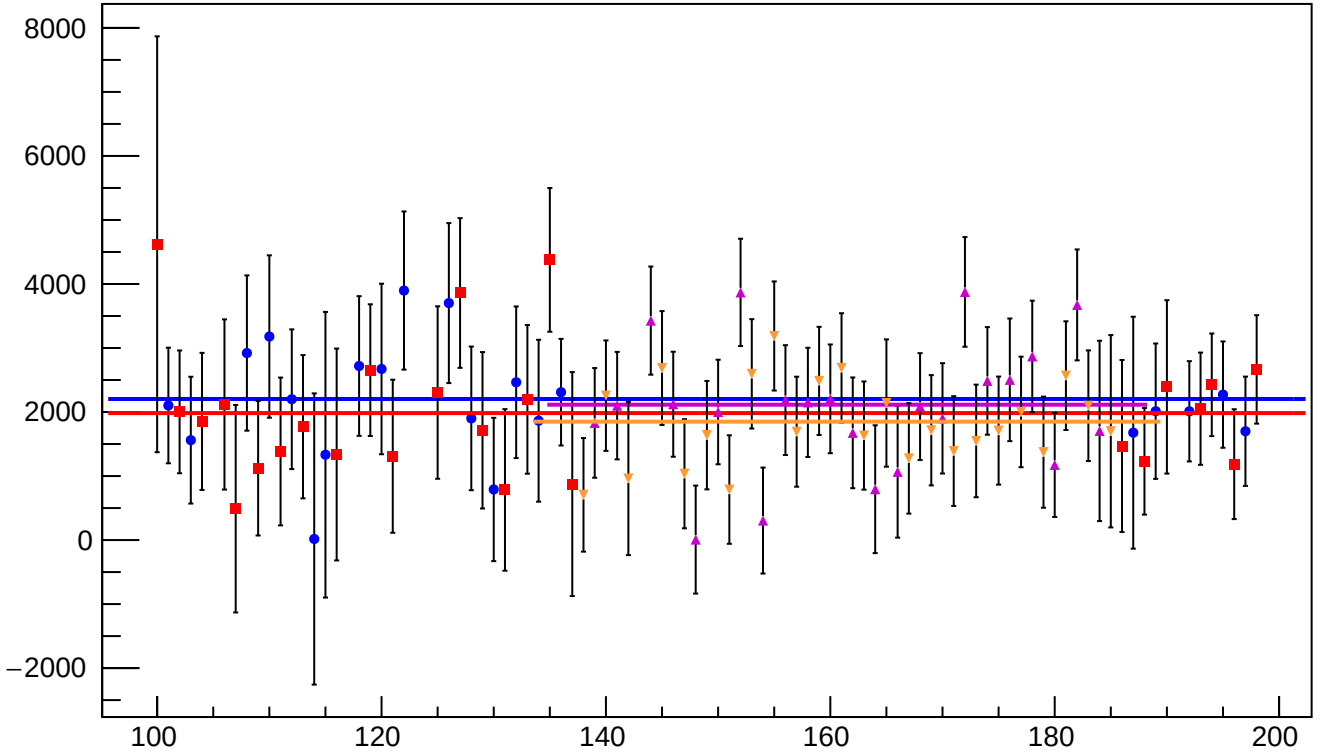
reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2203.765+/-238.994 χ^2/NDF: 8.5/20

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

Right Out: 1983.463+/-223.285 χ^2/NDF: 14.8/24

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

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

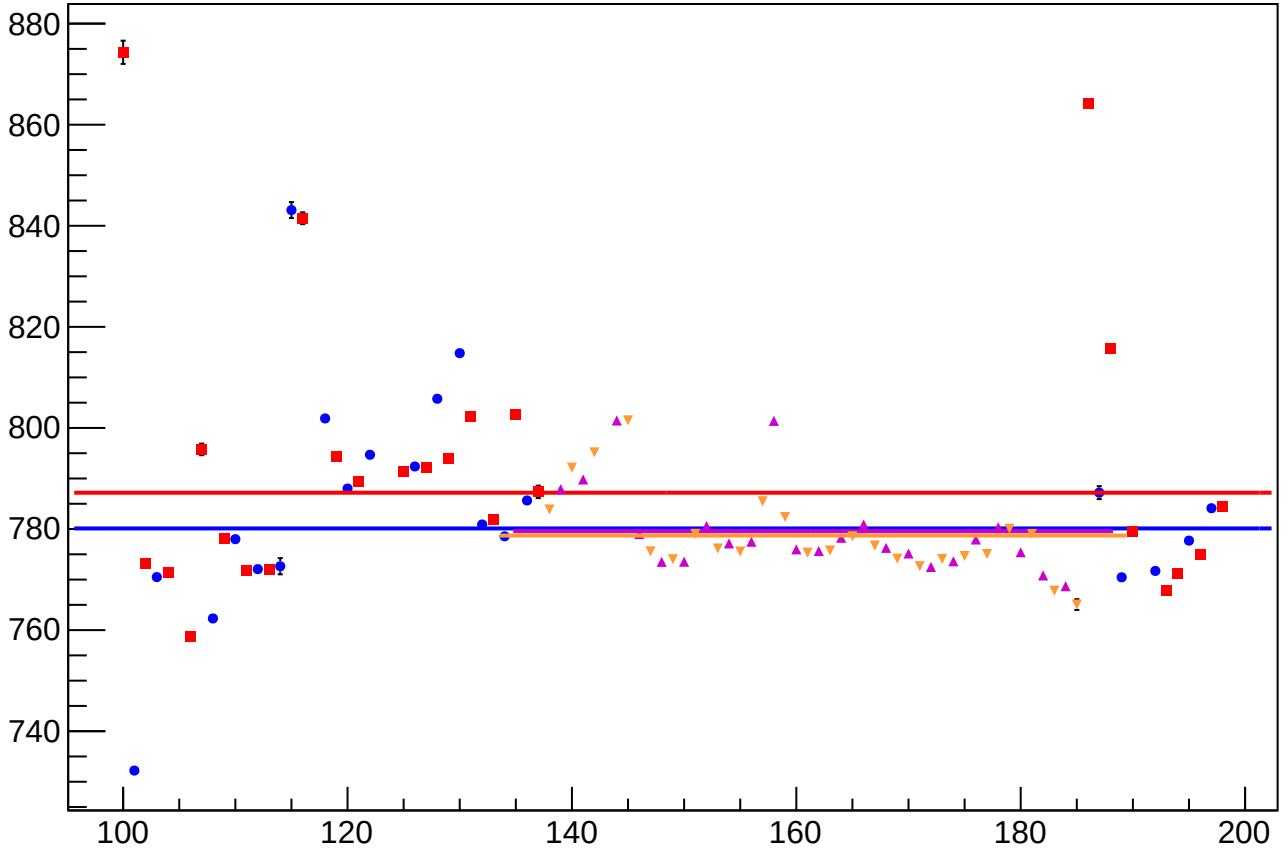
Right: 2086.136+/-163.157 χ^2/NDF: 23.8/45

In: 2147.235+/-144.809 χ^2/NDF:39.6/43

Out: 1902.585+/-140.483 χ^2/NDF:27.9/48

All: 2021.201+/-100.831 χ^2/NDF: 69.0/92

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 780.118+/-0.169 χ^2/NDF: 12864.1/20

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

Right Out: 787.186+/-0.158 χ^2/NDF: 18427.6/24

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

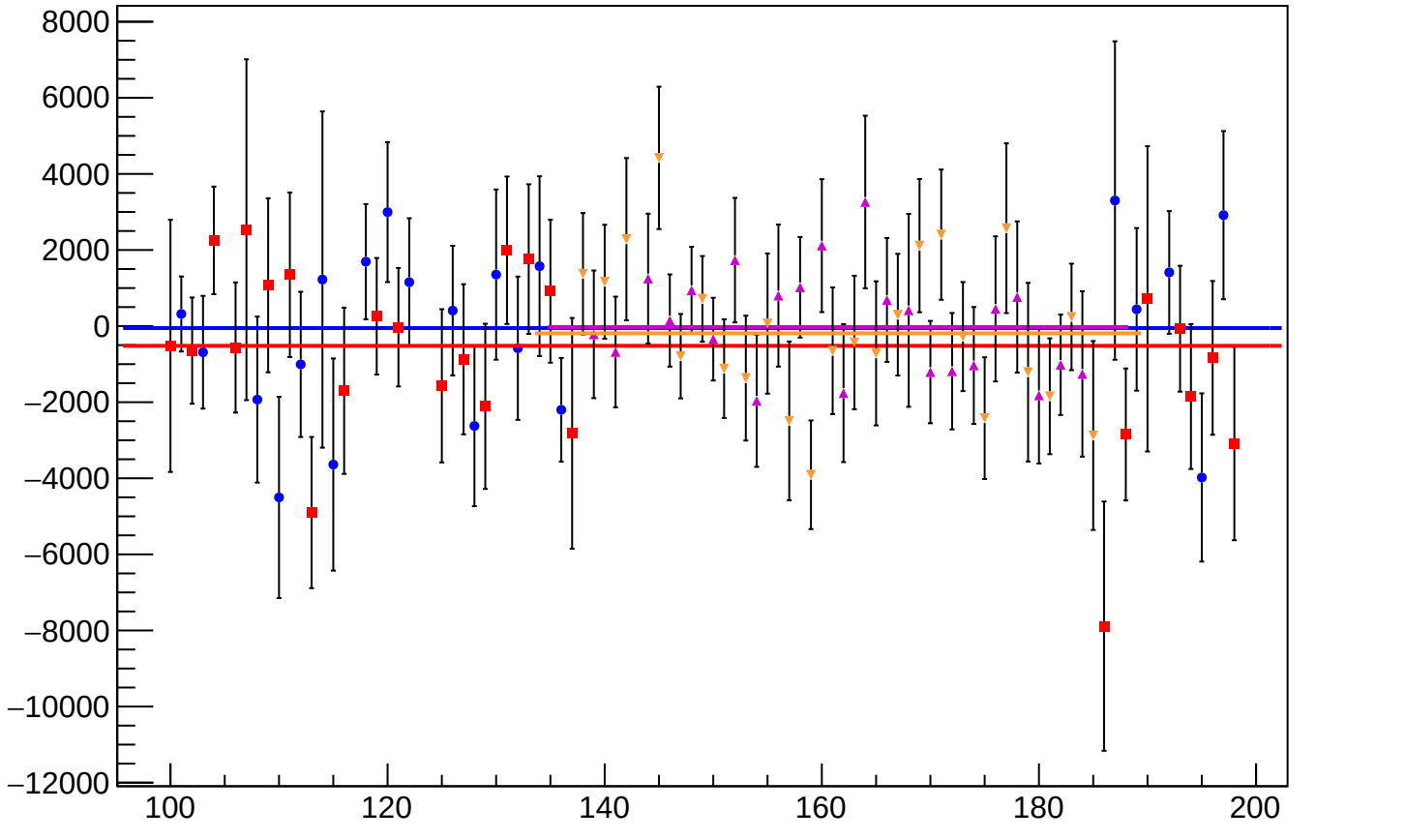
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 783.892+/-0.115 χ^2/NDF: 32225.7/45

In: 779.774+/-0.102 χ^2/NDF:17043.6/43

Out: 782.064+/-0.099 χ^2/NDF:23559.3/48

All: 780.954+/-0.071 χ^2/NDF: 40860.5/92



Right In: -50.697+/-401.048 χ^2/NDF: 22.0/20

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

Right Out: -518.038+/-396.425 χ^2/NDF: 24.6/24

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

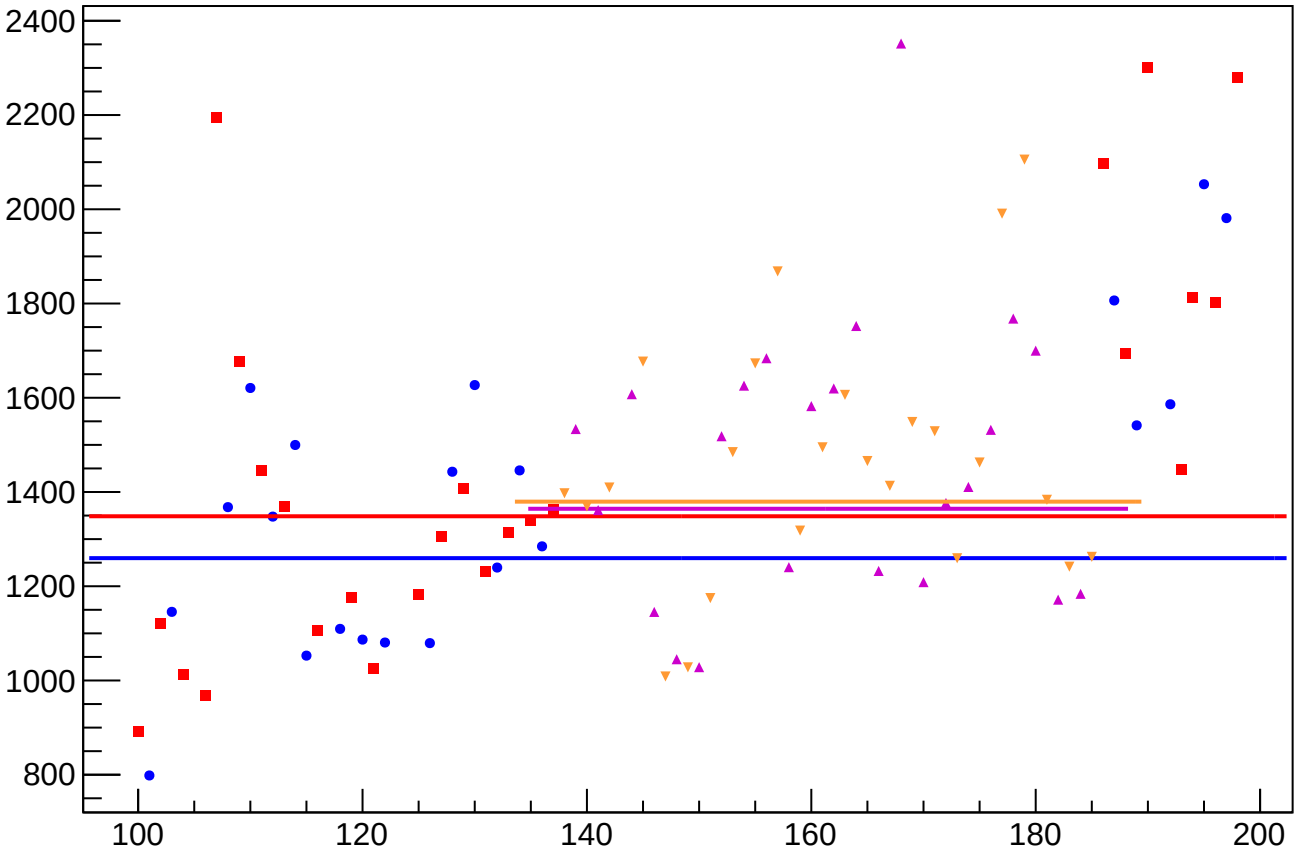
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -287.077+/-281.935 χ^2/NDF: 47.3/45

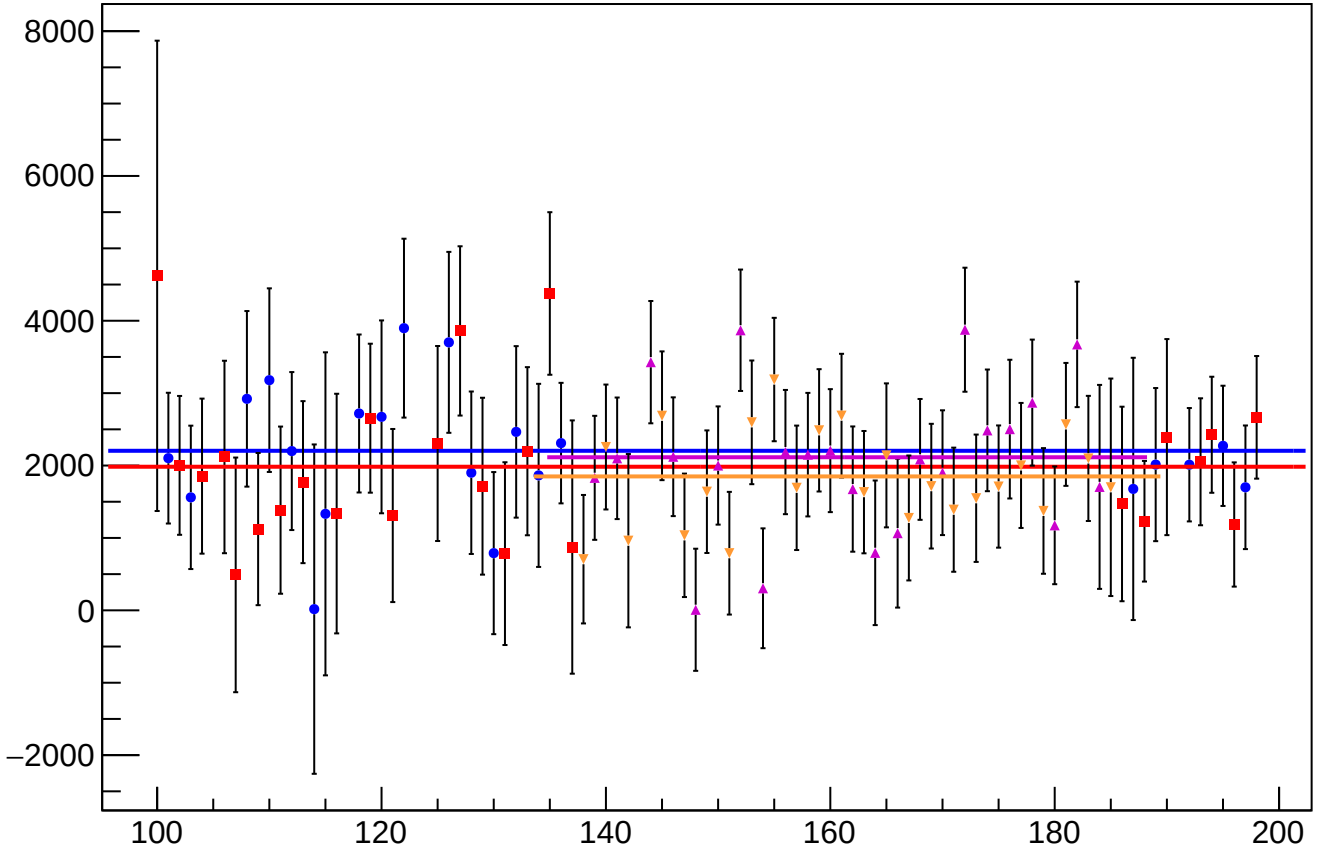
In: -34.464+/-252.878 χ^2/NDF:35.4/43

Out: -322.561+/-252.564 χ^2/NDF:54.7/48

All: -178.691+/-178.701 χ^2/NDF: 90.7/92


asym_us_avg_reg_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
200
Right In: 1259.653+/-0.284 χ²/NDF: 1299540.9/20
Left Out: 1379.536+/-0.232 χ²/NDF:1158468.5/23
Right Out: 1348.510+/-0.280 χ²/NDF: 1372271.2/24
Left In: 1364.412+/-0.230 χ²/NDF:1312299.5/22
Left: 1371.931+/-0.163 χ²/NDF: 2472910.6/46
Right: 1304.597+/-0.199 χ²/NDF: 2721471.0/45
In: 1322.761+/-0.179 χ²/NDF:2694048.8/43
Out: 1366.942+/-0.179 χ²/NDF:2538017.8/48
All: 1344.879+/-0.126 χ²/NDF: 5262629.2/92

cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2203.765+/-238.994 χ^2/NDF: 8.5/20

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

Right Out: 1983.463+/-223.285 χ^2/NDF: 14.8/24

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

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

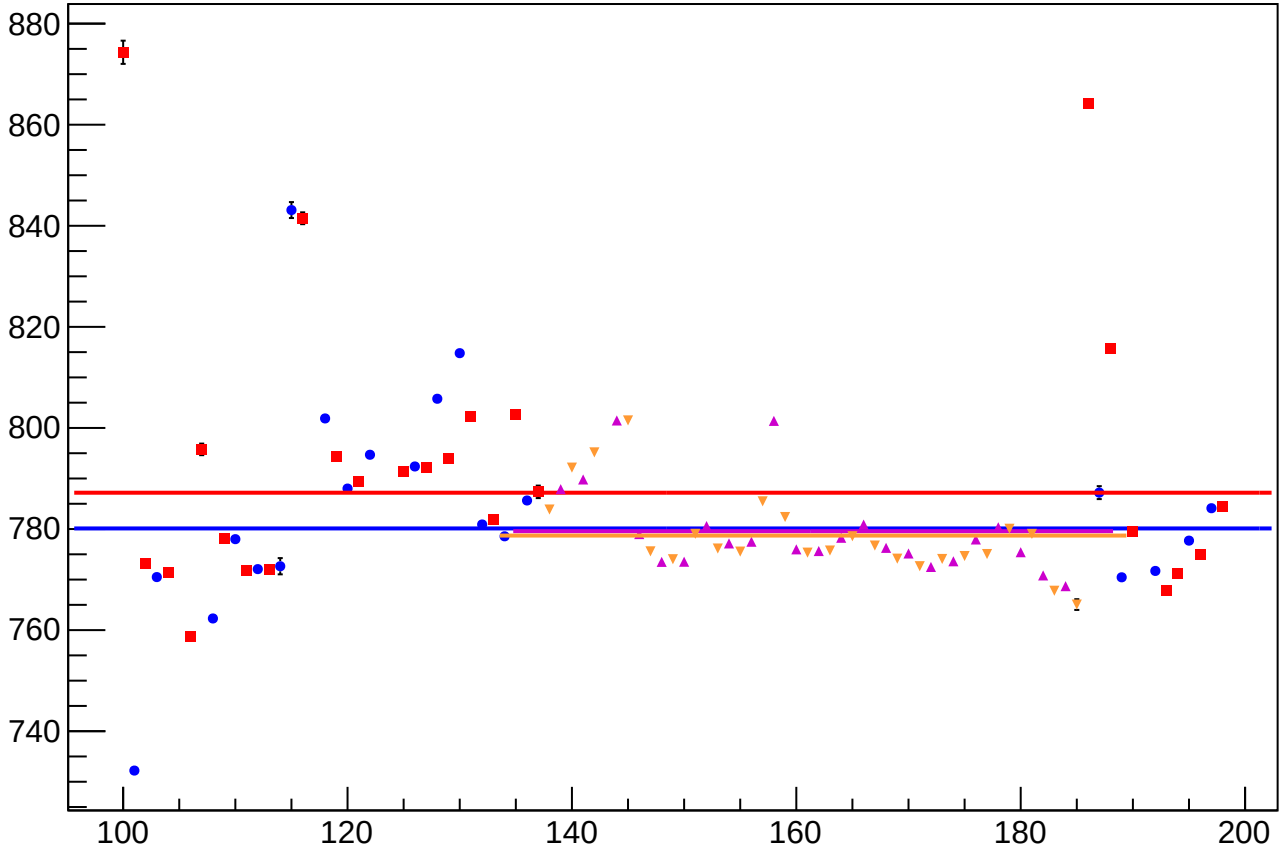
Right: 2086.136+/-163.157 χ^2/NDF: 23.8/45

In: 2147.235+/-144.809 χ^2/NDF:39.6/43

Out: 1902.585+/-140.483 χ^2/NDF:27.9/48

All: 2021.201+/-100.831 χ^2/NDF: 69.0/92

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 780.118+/-0.169 χ^2/NDF: 12864.1/20

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

Right Out: 787.186+/-0.158 χ^2/NDF: 18427.6/24

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

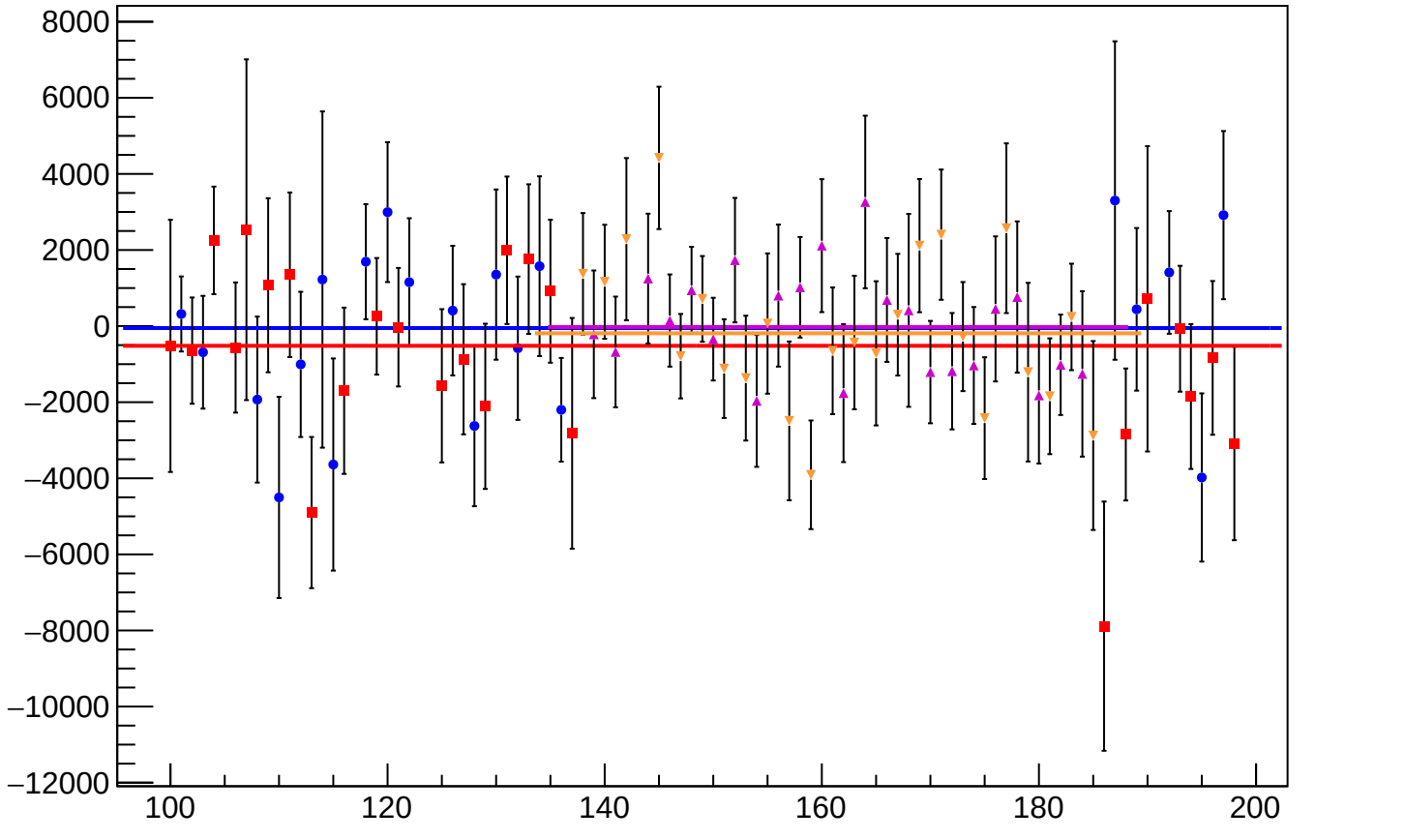
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 783.892+/-0.115 χ^2/NDF: 32225.7/45

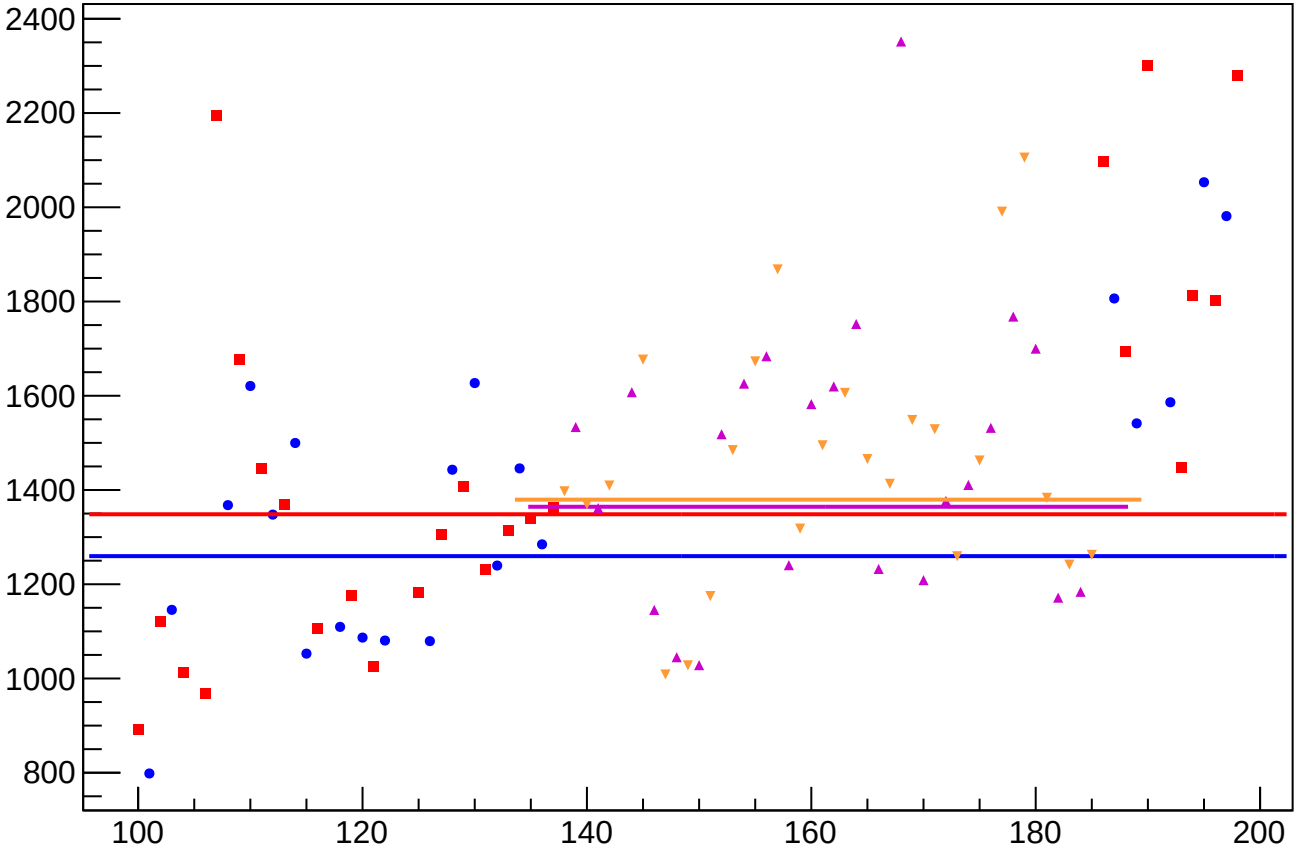
In: 779.774+/-0.102 χ^2/NDF:17043.6/43

Out: 782.064+/-0.099 χ^2/NDF:23559.3/48

All: 780.954+/-0.071 χ^2/NDF: 40860.5/92


asym_us_avg_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: -50.697+/-401.048 χ²/NDF: 22.0/20
Left Out: -189.006+/-327.675 χ²/NDF:29.6/23
Right Out: -518.038+/-396.425 χ²/NDF: 24.6/24
Left In: -23.750+/-325.809 χ²/NDF:13.5/22
Left: -105.906+/-231.038 χ²/NDF: 43.2/46
Right: -287.077+/-281.935 χ²/NDF: 47.3/45
In: -34.464+/-252.878 χ²/NDF:35.4/43
Out: -322.561+/-252.564 χ²/NDF:54.7/48
All: -178.691+/-178.701 χ²/NDF: 90.7/92

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1259.653+/-0.284 χ^2/NDF: 1299540.9/20

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

Right Out: 1348.510+/-0.280 χ^2/NDF: 1372271.2/24

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

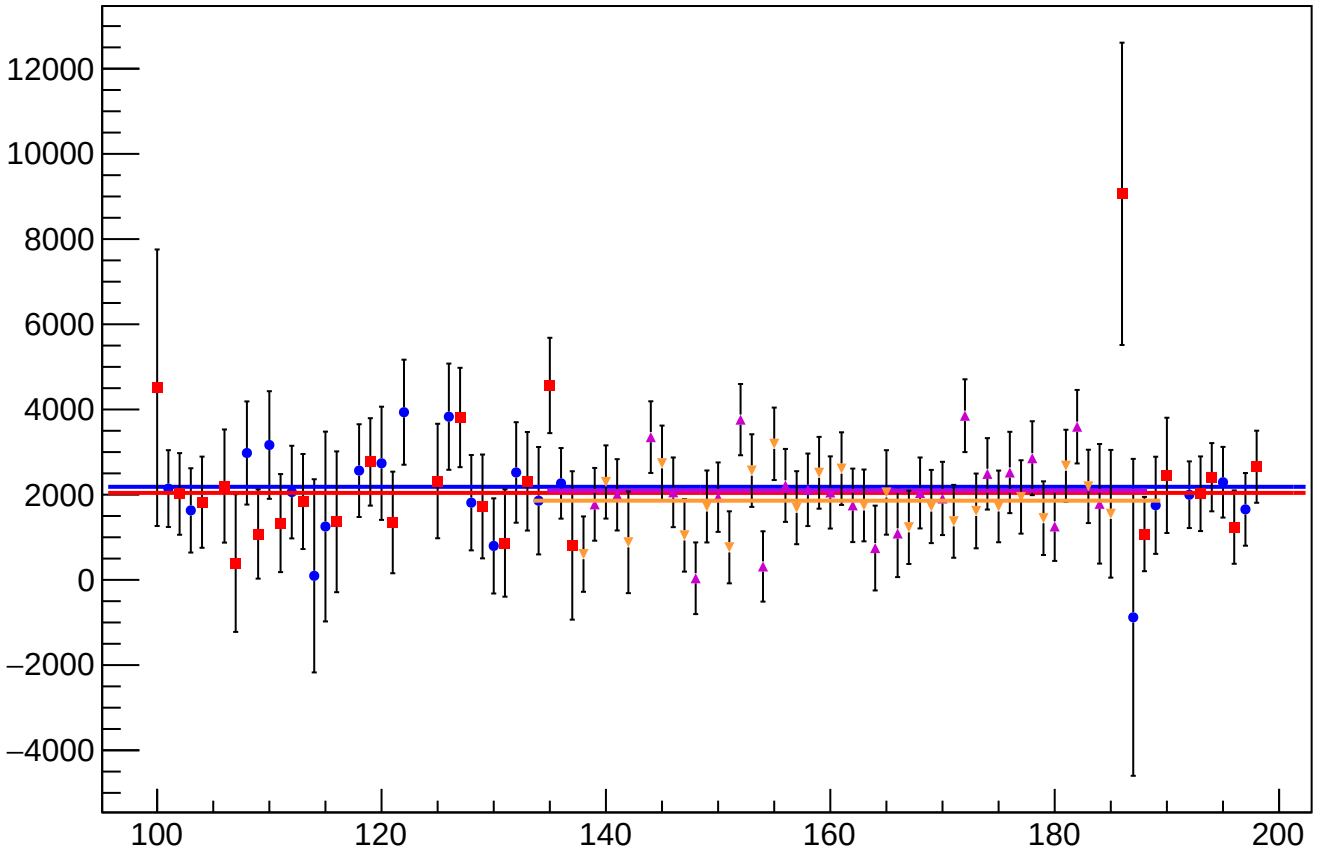
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1304.597+/-0.199 χ^2/NDF: 2721471.0/45

In: 1322.761+/-0.179 χ^2/NDF:2694048.8/43

Out: 1366.942+/-0.179 χ^2/NDF:2538017.8/48

All: 1344.879+/-0.126 χ^2/NDF: 5262629.2/92



Right In: 2184.827+/-241.001 χ^2/NDF: 9.5/20

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

Right Out: 2042.038+/-226.386 χ^2/NDF: 19.7/24

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

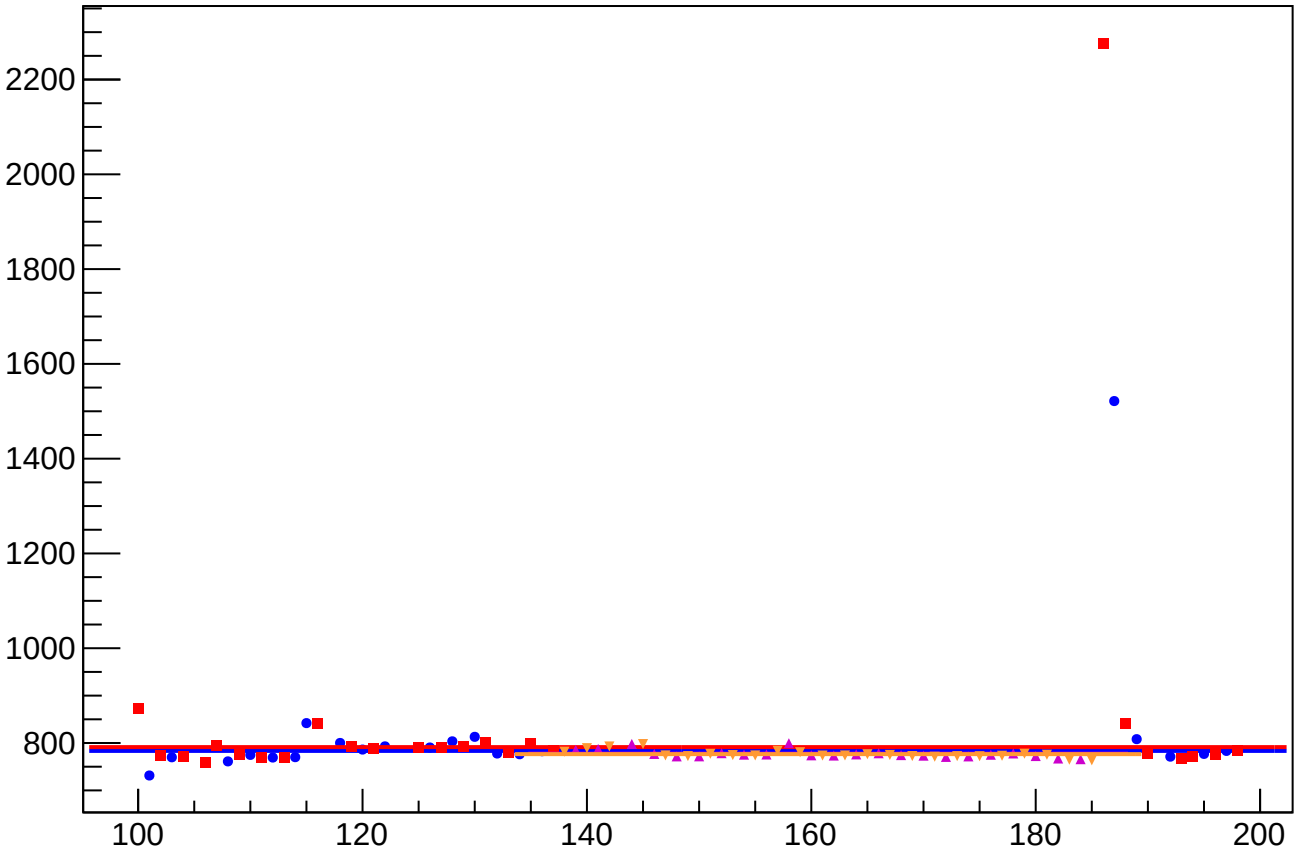
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2108.972+/-165.004 χ^2/NDF: 29.4/45

In: 2124.000+/-144.995 χ^2/NDF:39.3/43

Out: 1930.330+/-141.003 χ^2/NDF:33.6/48

All: 2024.462+/-101.086 χ^2/NDF: 73.8/92



Right In: 783.340+/-0.170 χ^2/NDF: 92690.0/20

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

Right Out: 791.332+/-0.160 χ^2/NDF: 368798.4/24

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

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

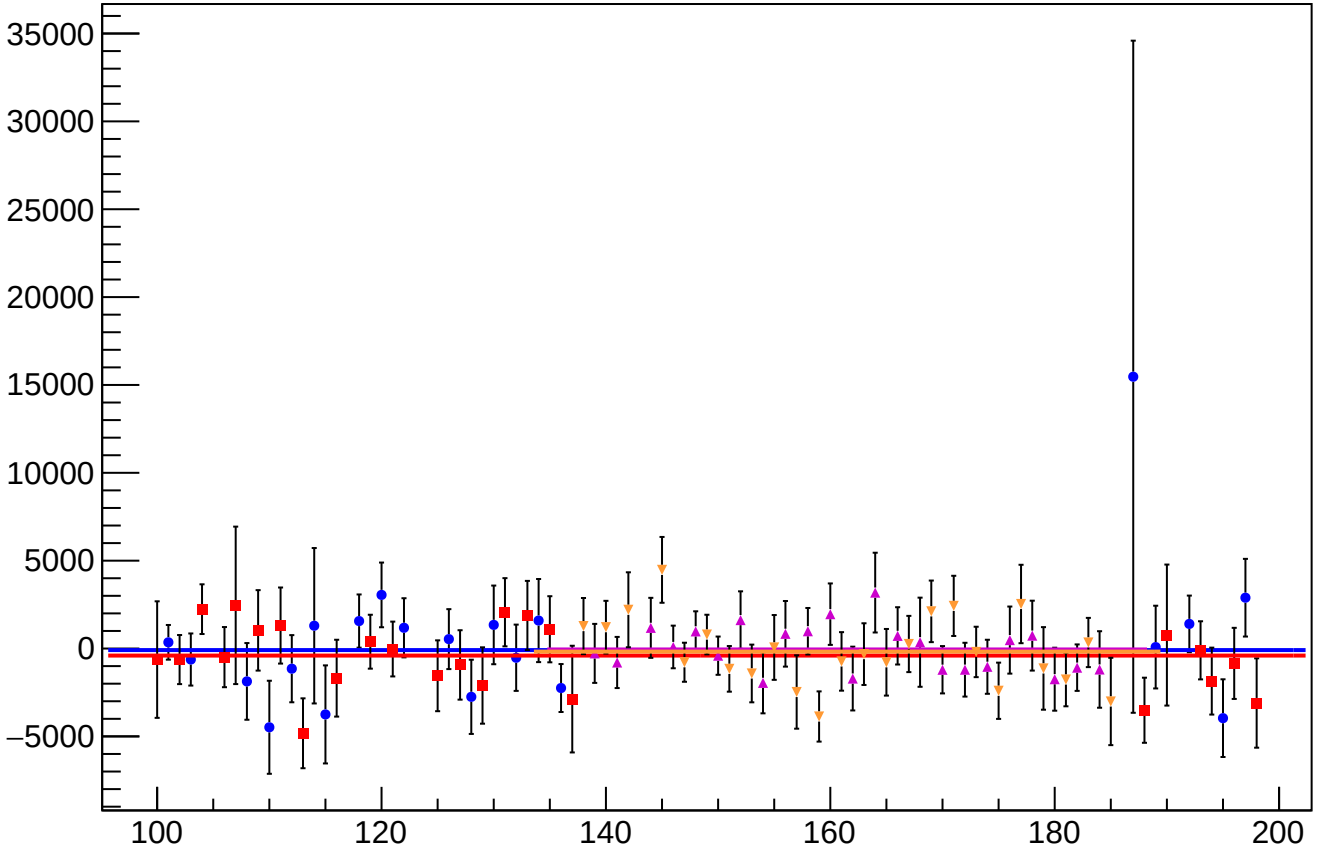
Right: 787.586+/-0.117 χ^2/NDF: 462656.7/45

In: 779.558+/-0.103 χ^2/NDF:97524.1/43

Out: 782.268+/-0.100 χ^2/NDF:377173.9/48

All: 780.951+/-0.071 χ^2/NDF: 475056.9/92

asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: -88.205+/-404.429 χ^2/NDF: 22.1/20

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

Right Out: -400.395+/-400.980 χ^2/NDF: 20.5/23

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

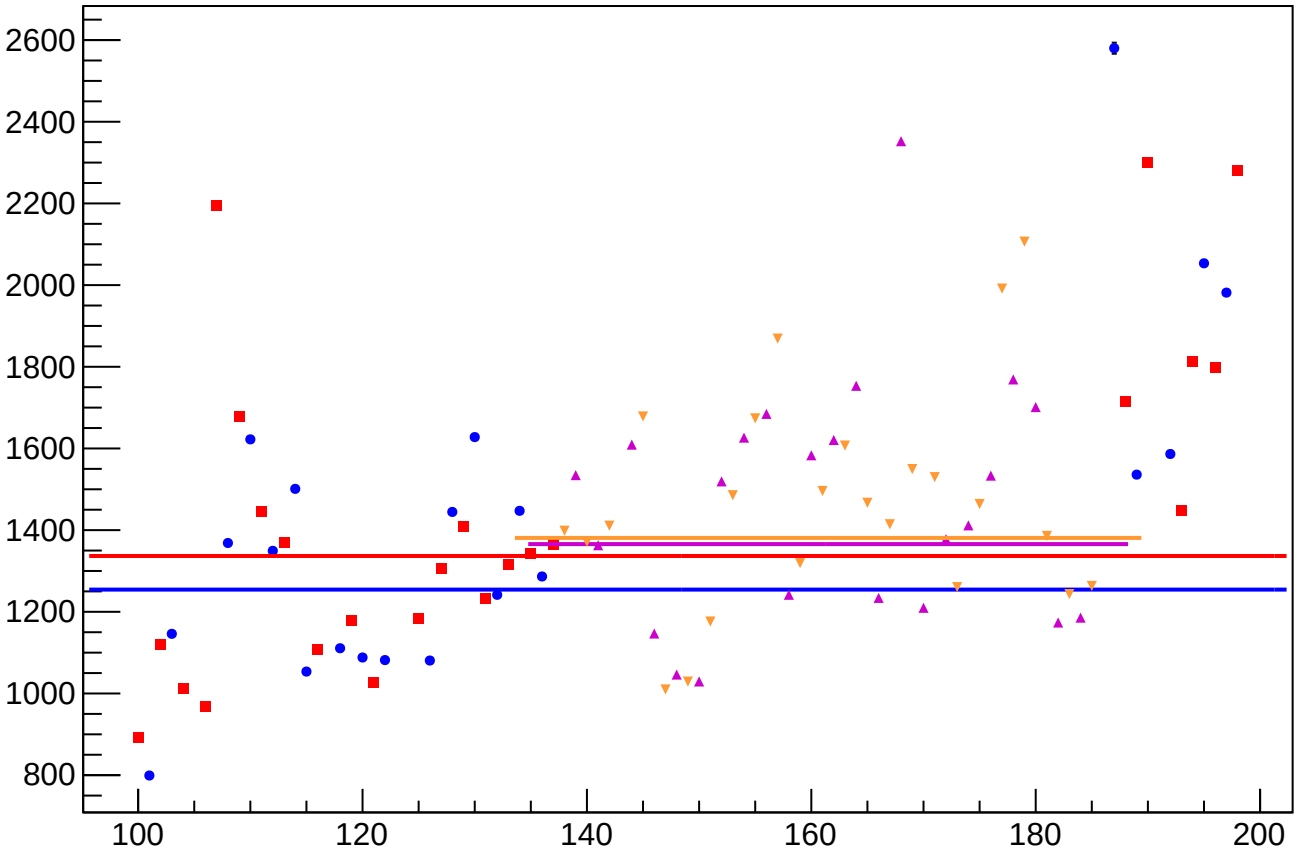
Left: -113.528+/-231.262 χ^2/NDF: 42.7/46

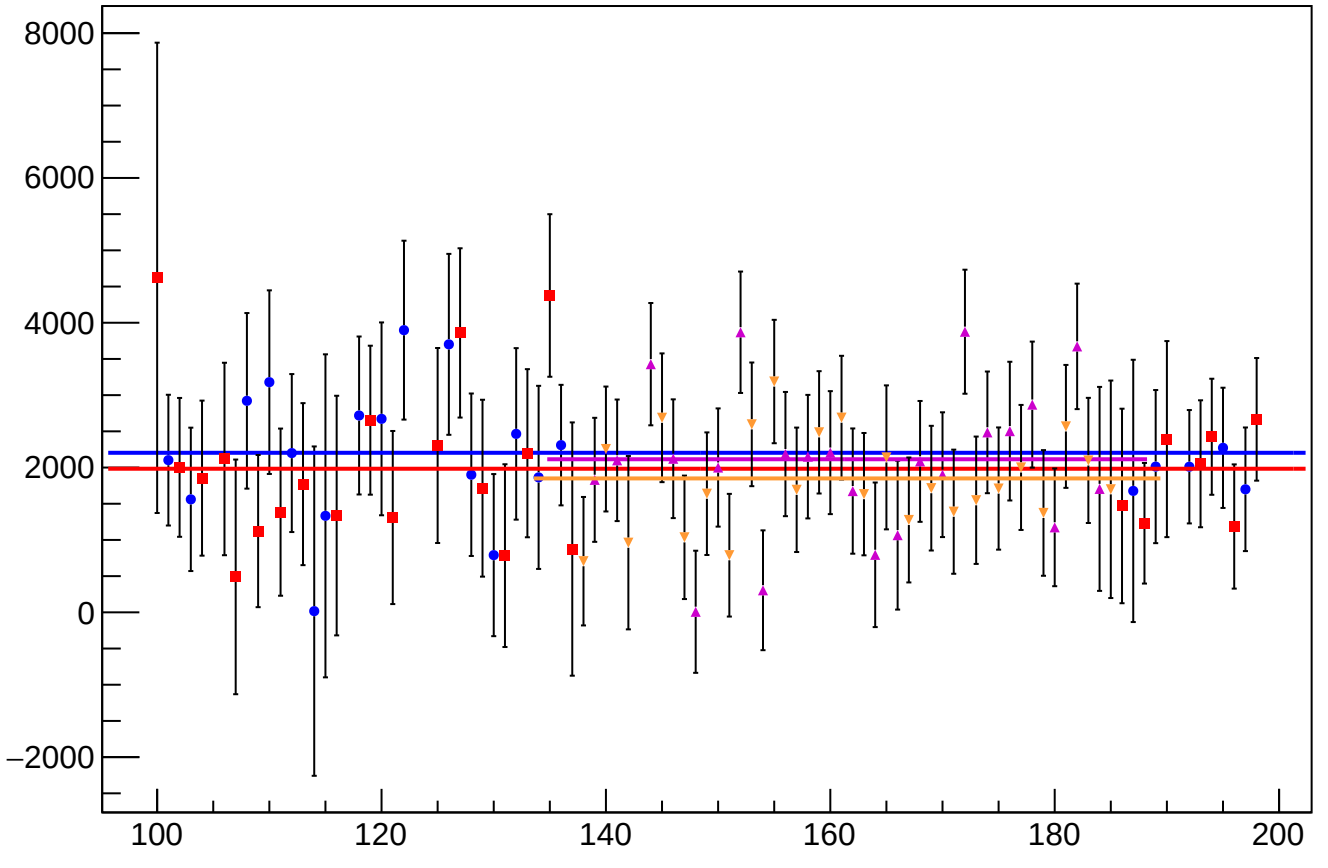
Right: -245.637+/-284.747 χ^2/NDF: 43.0/44

In: -66.763+/-253.868 χ^2/NDF:35.1/43

Out: -265.313+/-253.877 χ^2/NDF:50.3/47

All: -166.034+/-179.515 χ^2/NDF: 85.8/91


asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
200
Right In: 1254.386+/-0.286 χ²/NDF: 1265028.2/20
Left Out: 1380.952+/-0.232 χ²/NDF:1155437.6/23
Right Out: 1336.726+/-0.284 χ²/NDF: 1259044.7/23
Left In: 1365.811+/-0.231 χ²/NDF:1308862.5/22
Left: 1373.338+/-0.164 χ²/NDF: 2466443.3/46
Right: 1295.908+/-0.201 χ²/NDF: 2565878.8/44
In: 1321.906+/-0.180 χ²/NDF:2665885.4/43
Out: 1363.223+/-0.180 χ²/NDF:2429059.6/47
All: 1342.564+/-0.127 χ²/NDF: 5121431.7/91



Right In: 2203.765+/-238.994 χ^2/NDF: 8.5/20

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

Right Out: 1983.463+/-223.285 χ^2/NDF: 14.8/24

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

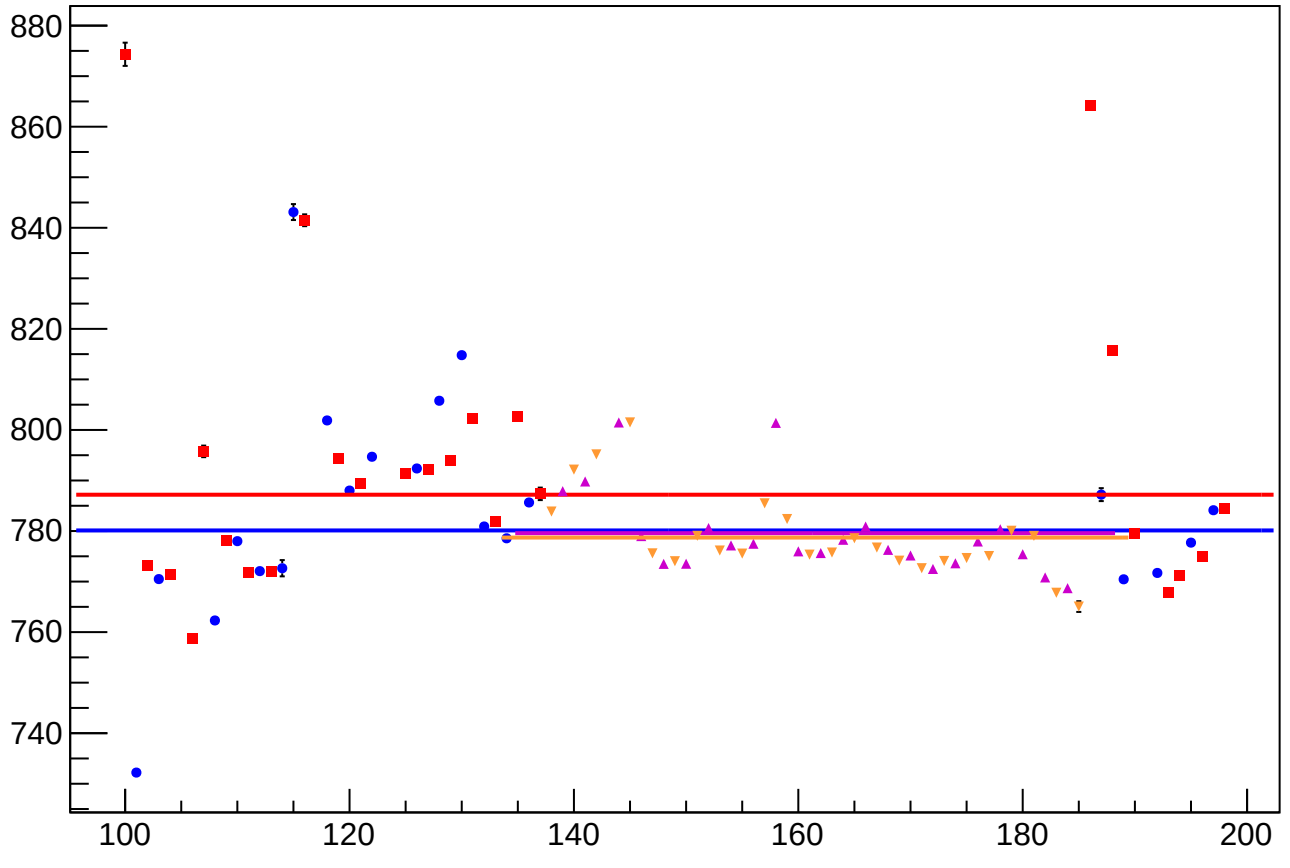
Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

Right: 2086.136+/-163.157 χ^2/NDF: 23.8/45

In: 2147.235+/-144.809 χ^2/NDF:39.6/43

Out: 1902.585+/-140.483 χ^2/NDF:27.9/48

All: 2021.201+/-100.831 χ^2/NDF: 69.0/92



Right In: 780.118+/-0.169 χ^2/NDF: 12864.1/20

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

Right Out: 787.186+/-0.158 χ^2/NDF: 18427.6/24

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

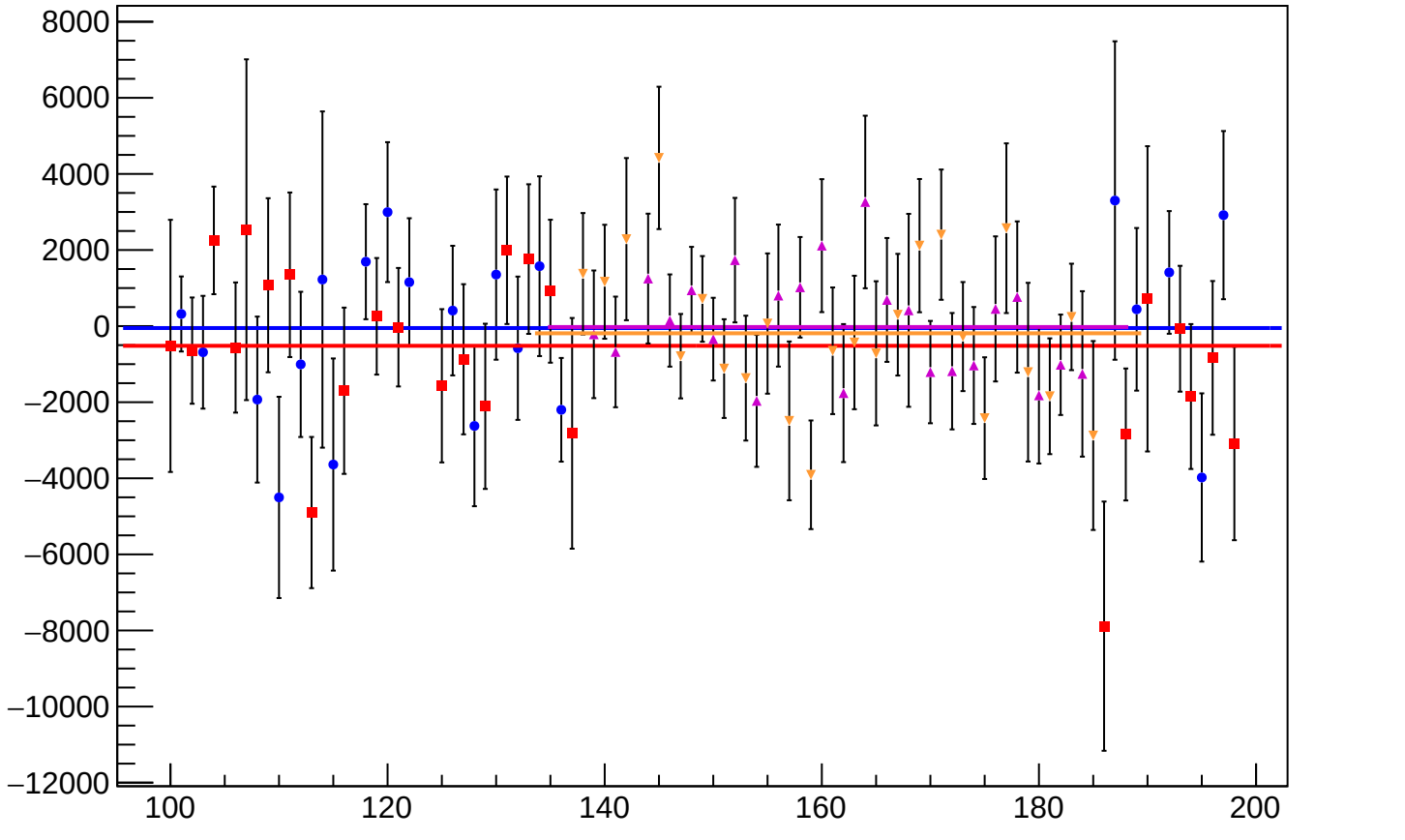
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 783.892+/-0.115 χ^2/NDF: 32225.7/45

In: 779.774+/-0.102 χ^2/NDF:17043.6/43

Out: 782.064+/-0.099 χ^2/NDF:23559.3/48

All: 780.954+/-0.071 χ^2/NDF: 40860.5/92



Right In: -50.697+/-401.048 χ^2/NDF: 22.0/20

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

Right Out: -518.038+/-396.425 χ^2/NDF: 24.6/24

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

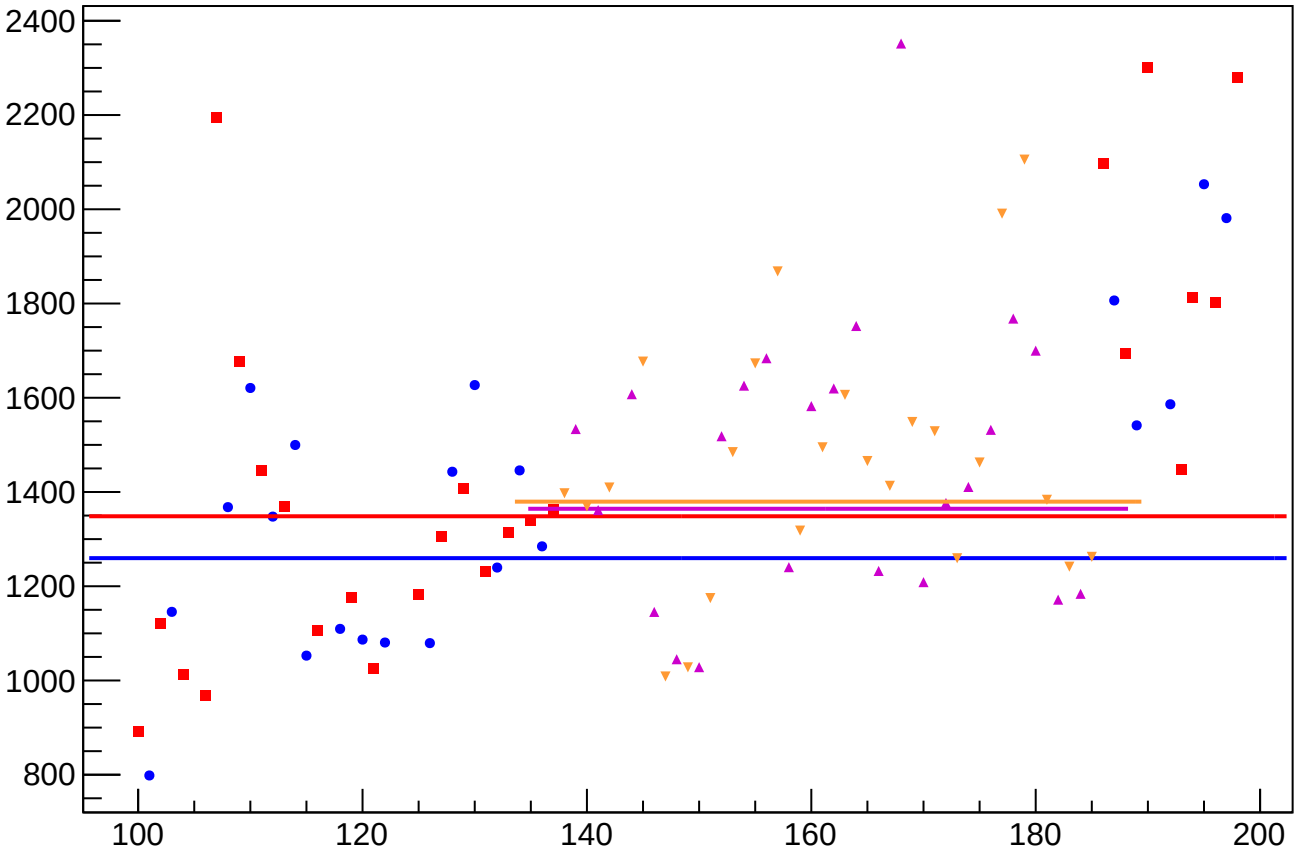
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -287.077+/-281.935 χ^2/NDF: 47.3/45

In: -34.464+/-252.878 χ^2/NDF:35.4/43

Out: -322.561+/-252.564 χ^2/NDF:54.7/48

All: -178.691+/-178.701 χ^2/NDF: 90.7/92



Right In: 1259.653+/-0.284 χ^2/NDF: 1299540.9/20

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

Right Out: 1348.510+/-0.280 χ^2/NDF: 1372271.2/24

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

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

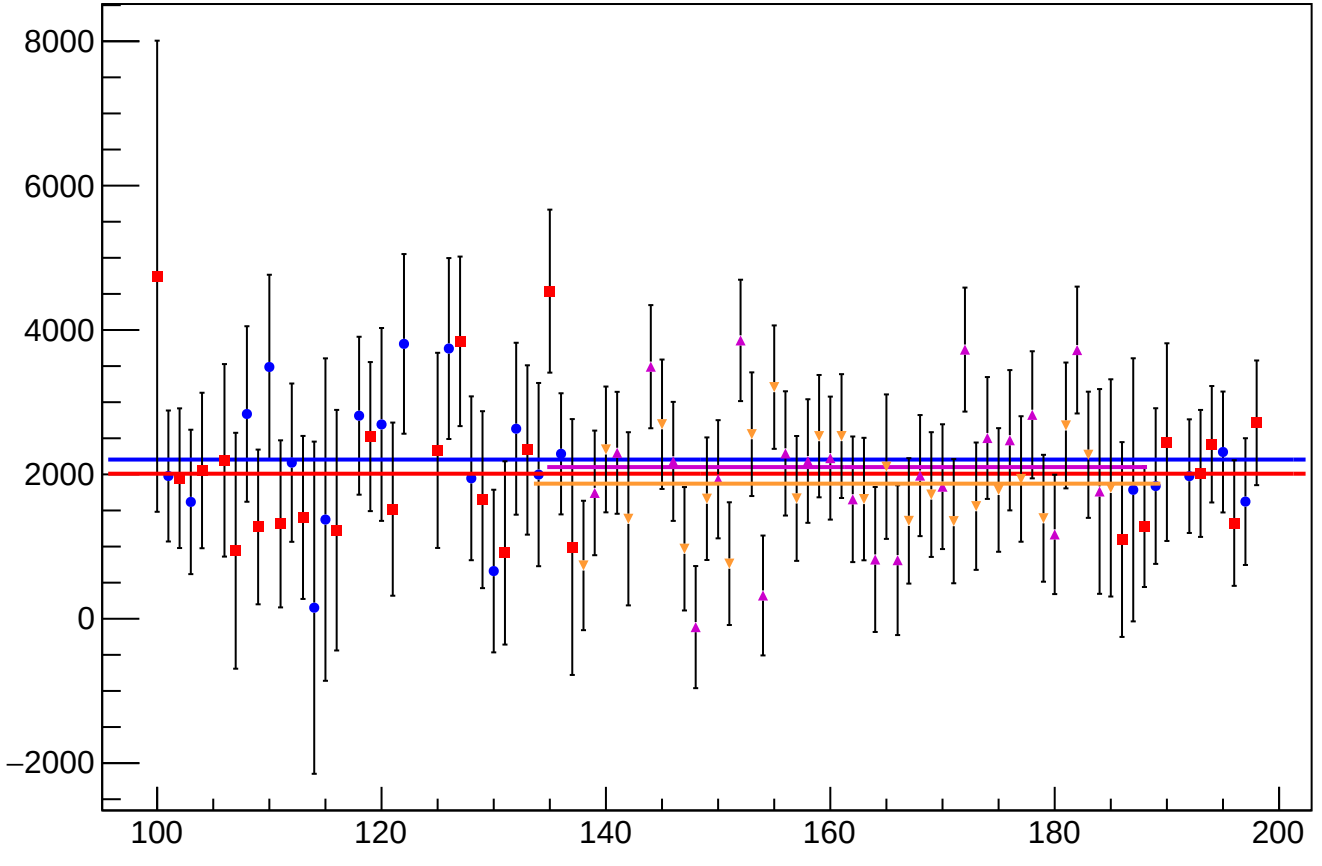
Right: 1304.597+/-0.199 χ^2/NDF: 2721471.0/45

In: 1322.761+/-0.179 χ^2/NDF:2694048.8/43

Out: 1366.942+/-0.179 χ^2/NDF:2538017.8/48

All: 1344.879+/-0.126 χ^2/NDF: 5262629.2/92

dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2205.273+/-241.031 χ^2/NDF: 9.0/20

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

Right Out: 2009.278+/-225.012 χ^2/NDF: 14.5/24

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

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

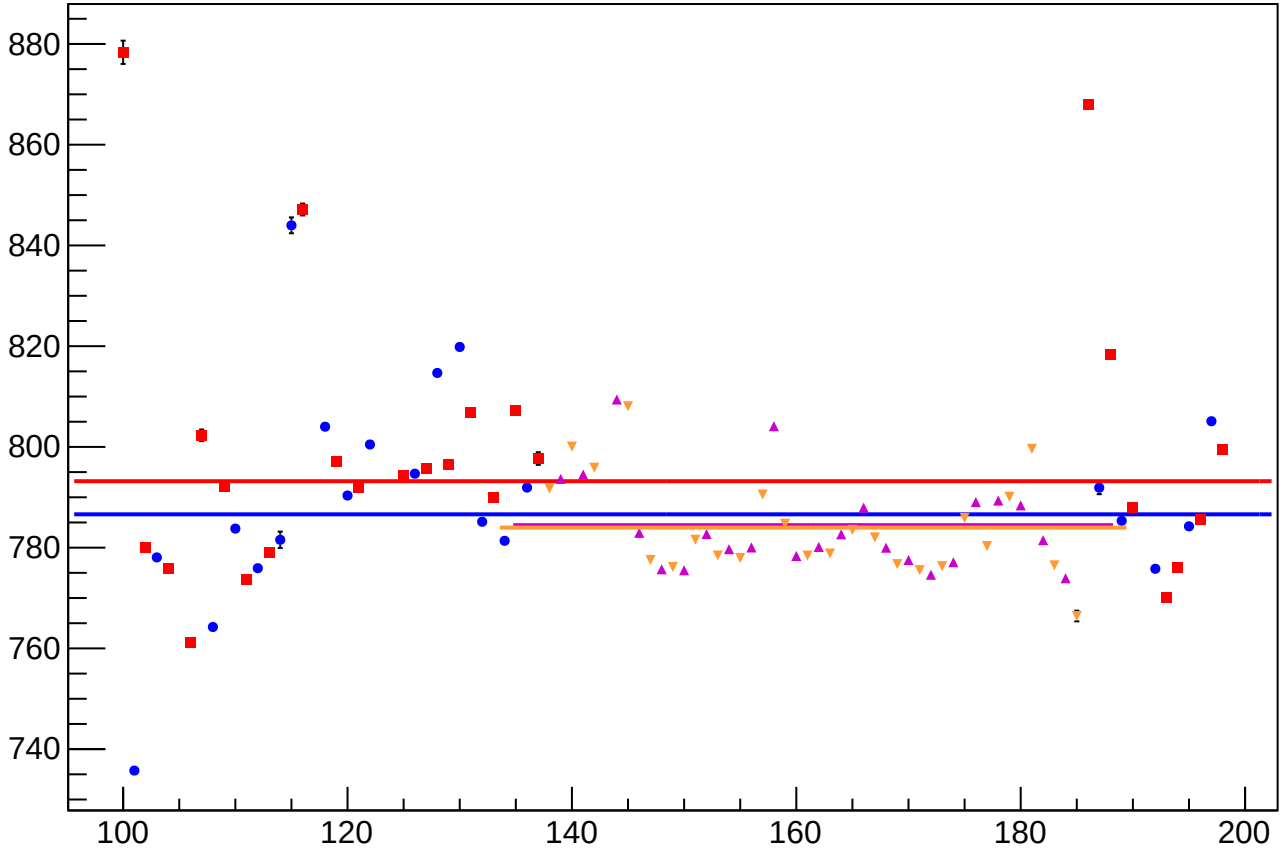
Right: 2100.547+/-164.479 χ^2/NDF: 23.9/45

In: 2139.206+/-145.842 χ^2/NDF:40.9/43

Out: 1925.955+/-141.494 χ^2/NDF:27.2/48

All: 2029.355+/-101.554 χ^2/NDF: 69.3/92

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 786.618+/-0.170 χ^2/NDF: 13873.2/20

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

Right Out: 793.193+/-0.159 χ^2/NDF: 17598.6/24

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

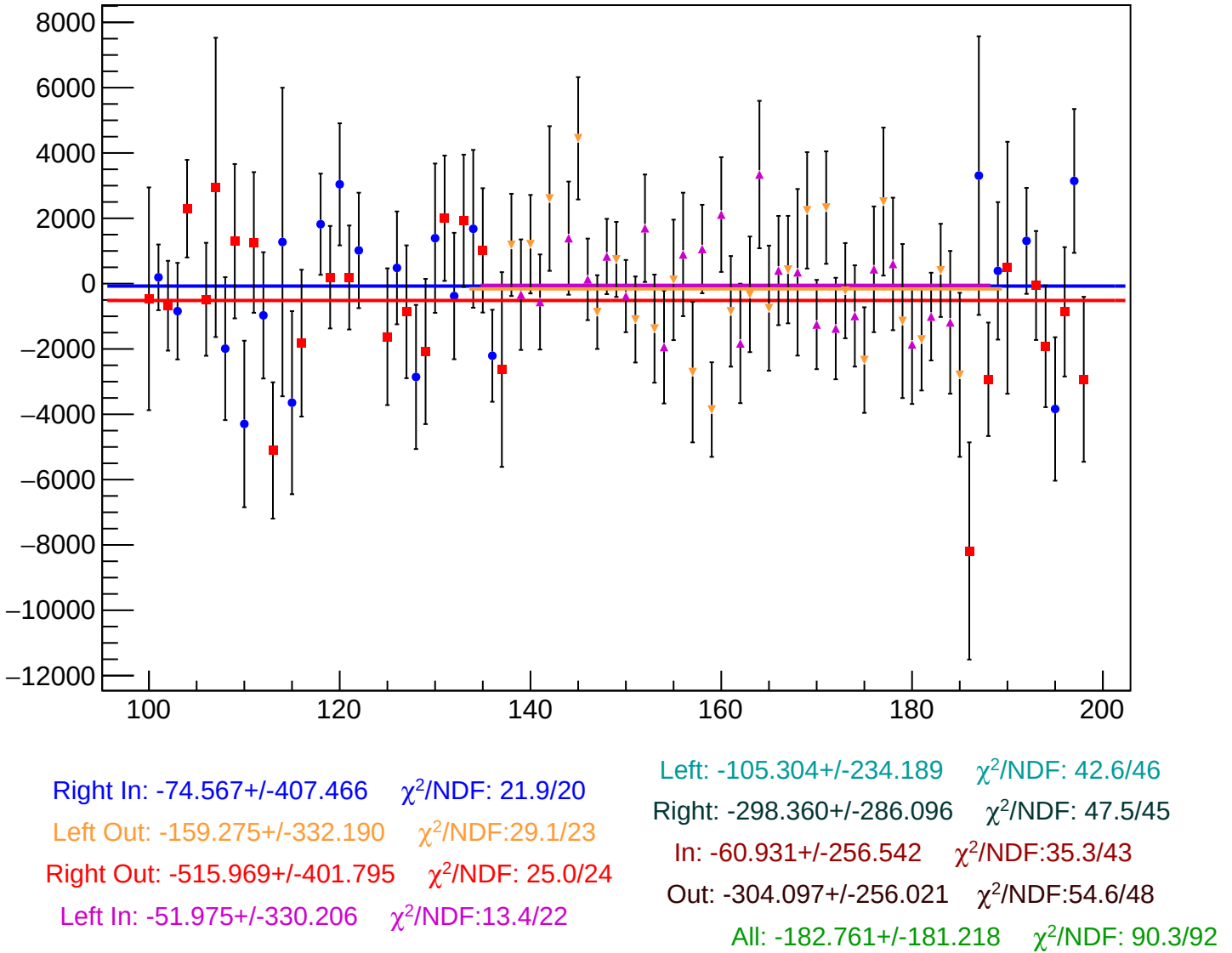
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 790.131+/-0.116 χ^2/NDF: 32266.9/45

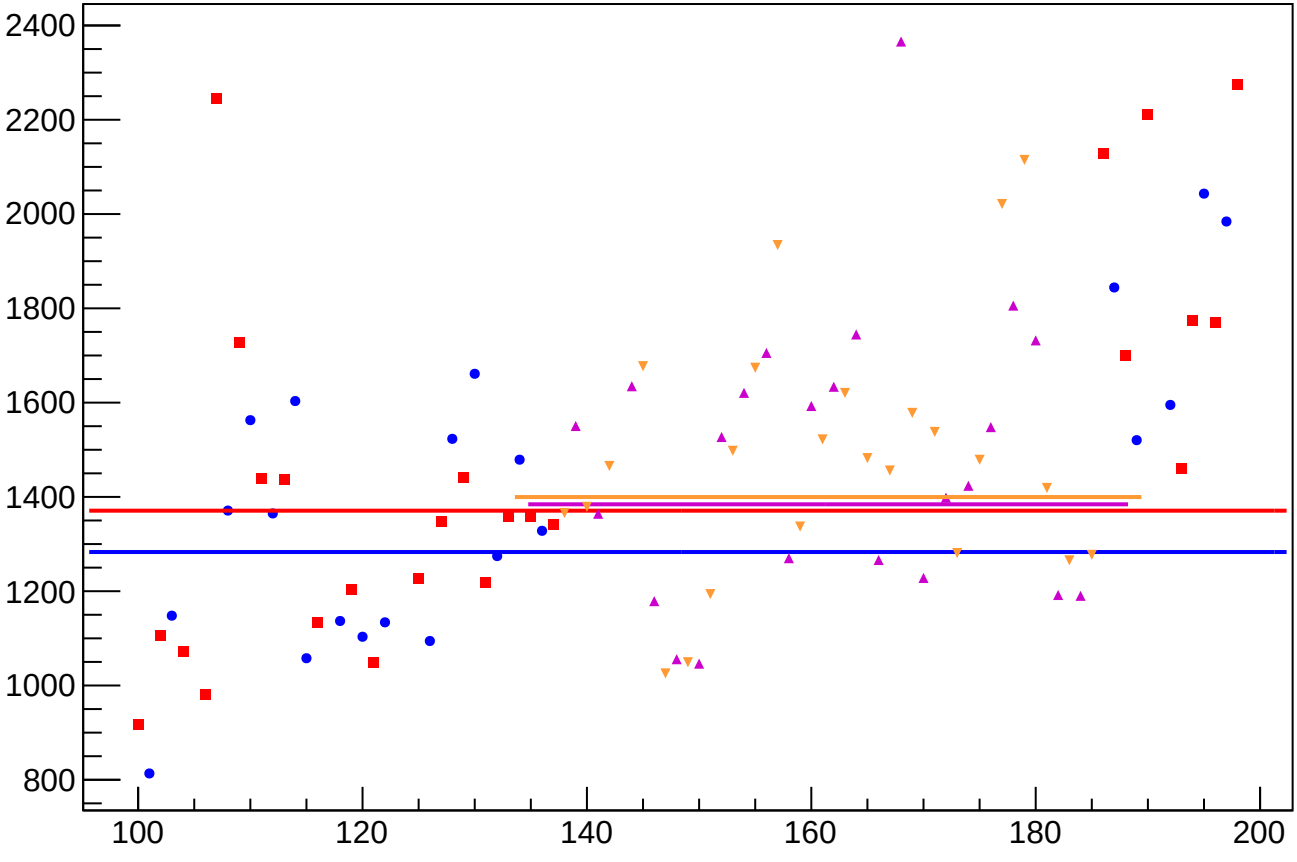
In: 785.258+/-0.103 χ^2/NDF:18901.4/43

Out: 787.624+/-0.100 χ^2/NDF:24553.0/48

All: 786.477+/-0.072 χ^2/NDF: 43725.6/92


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: -74.567+/-407.466 χ²/NDF: 21.9/20
Left Out: -159.275+/-332.190 χ²/NDF:29.1/23
Right Out: -515.969+/-401.795 χ²/NDF: 25.0/24
Left In: -51.975+/-330.206 χ²/NDF:13.4/22
Left: -105.304+/-234.189 χ²/NDF: 42.6/46
Right: -298.360+/-286.096 χ²/NDF: 47.5/45
In: -60.931+/-256.542 χ²/NDF:35.3/43
Out: -304.097+/-256.021 χ²/NDF:54.6/48
All: -182.761+/-181.218 χ²/NDF: 90.3/92

asym_us_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1283.108+/-0.288 χ^2/NDF: 1250766.1/20

Left Out: 1399.717+/-0.235 χ^2/NDF:1136350.2/23

Right Out: 1370.810+/-0.284 χ^2/NDF: 1272673.9/24

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

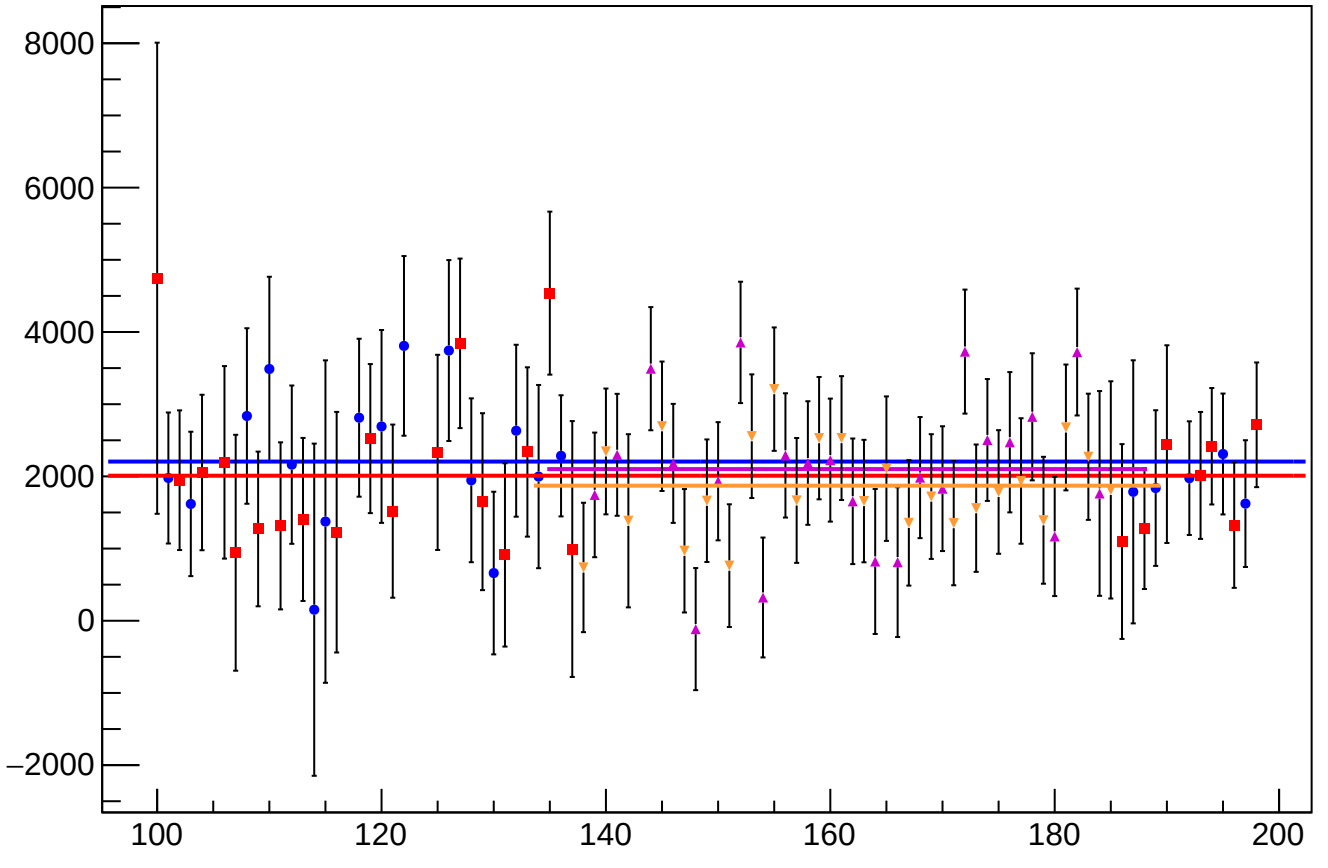
Left: 1391.979+/-0.166 χ^2/NDF: 2408444.2/46

Right: 1327.573+/-0.202 χ^2/NDF: 2570416.2/45

In: 1344.208+/-0.181 χ^2/NDF:2595205.9/43

Out: 1387.980+/-0.181 χ^2/NDF:2415173.1/48

All: 1366.138+/-0.128 χ^2/NDF: 5039551.3/92



Right In: 2205.271+/-241.031 χ^2/NDF: 9.0/20

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

Right Out: 2009.276+/-225.012 χ^2/NDF: 14.5/24

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

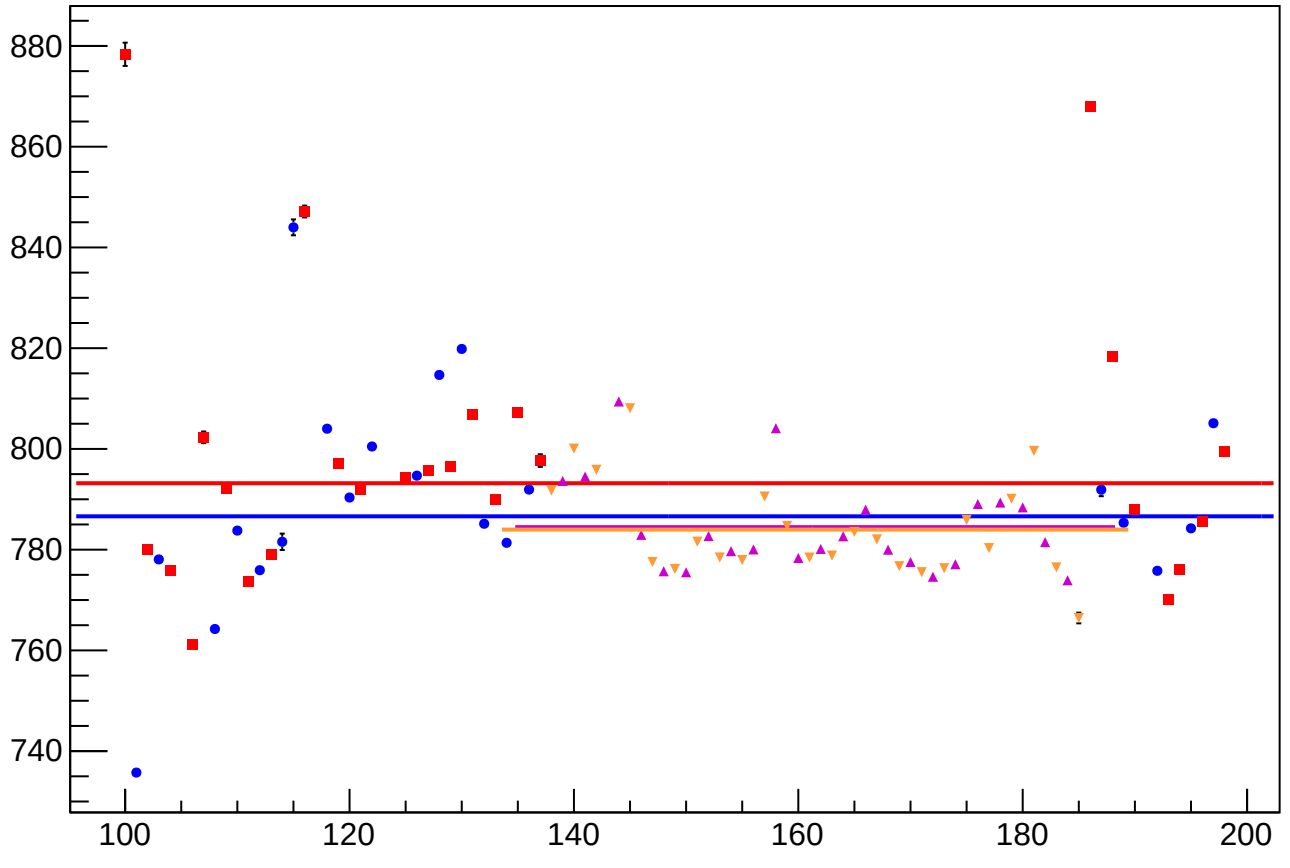
Left: 1985.495+/-129.100 χ^2/NDF: 45.0/46

Right: 2100.545+/-164.479 χ^2/NDF: 23.9/45

In: 2139.205+/-145.842 χ^2/NDF:40.9/43

Out: 1925.953+/-141.494 χ^2/NDF:27.2/48

All: 2029.354+/-101.554 χ^2/NDF: 69.3/92



Right In: 786.618+/-0.170 χ^2/NDF: 13873.2/20

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

Right Out: 793.193+/-0.159 χ^2/NDF: 17598.6/24

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

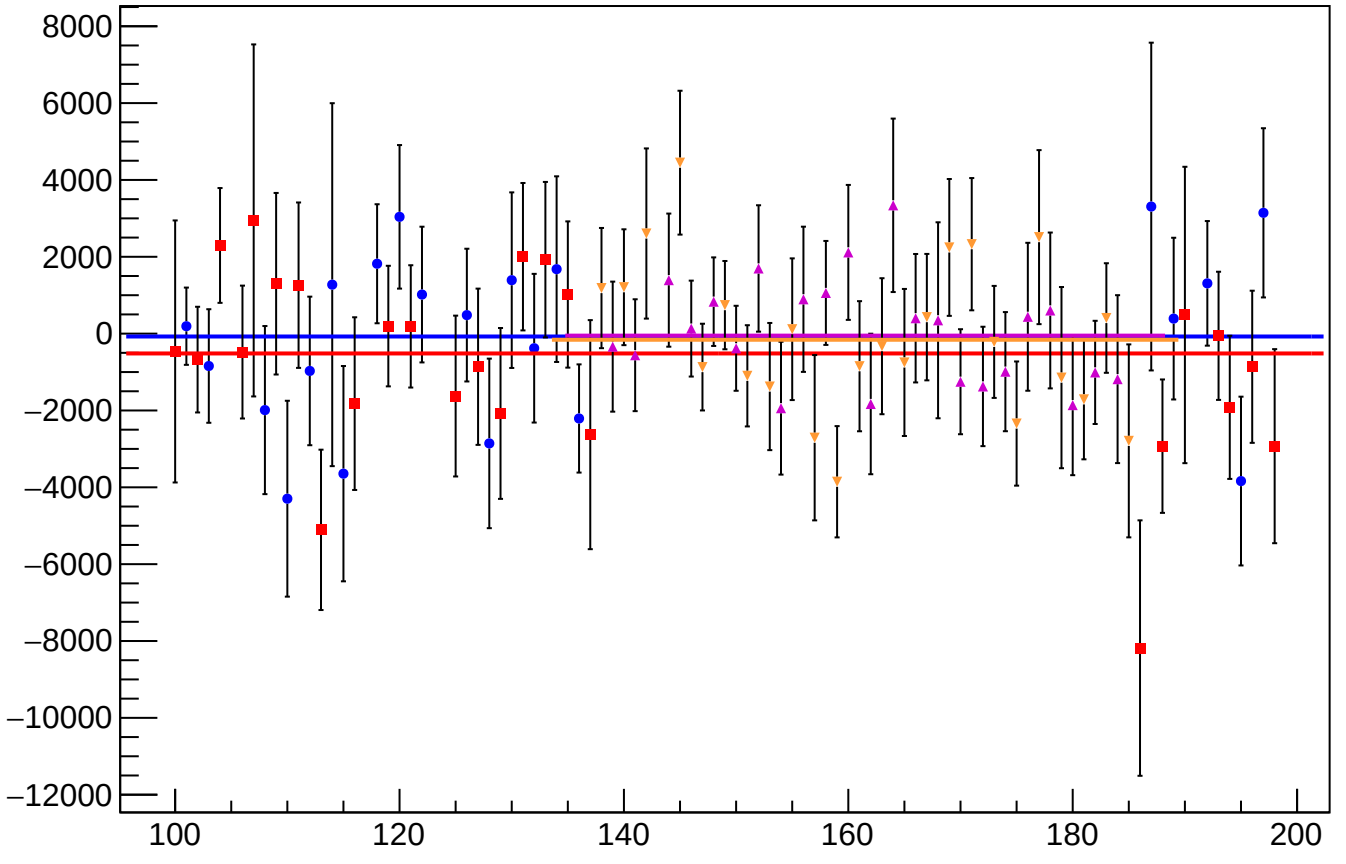
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 790.131+/-0.116 χ^2/NDF: 32266.9/45

In: 785.258+/-0.103 χ^2/NDF:18901.4/43

Out: 787.624+/-0.100 χ^2/NDF:24553.0/48

All: 786.477+/-0.072 χ^2/NDF: 43725.5/92



Right In: -74.566+/-407.465 χ^2/NDF: 21.9/20

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

Right Out: -515.965+/-401.795 χ^2/NDF: 25.0/24

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

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

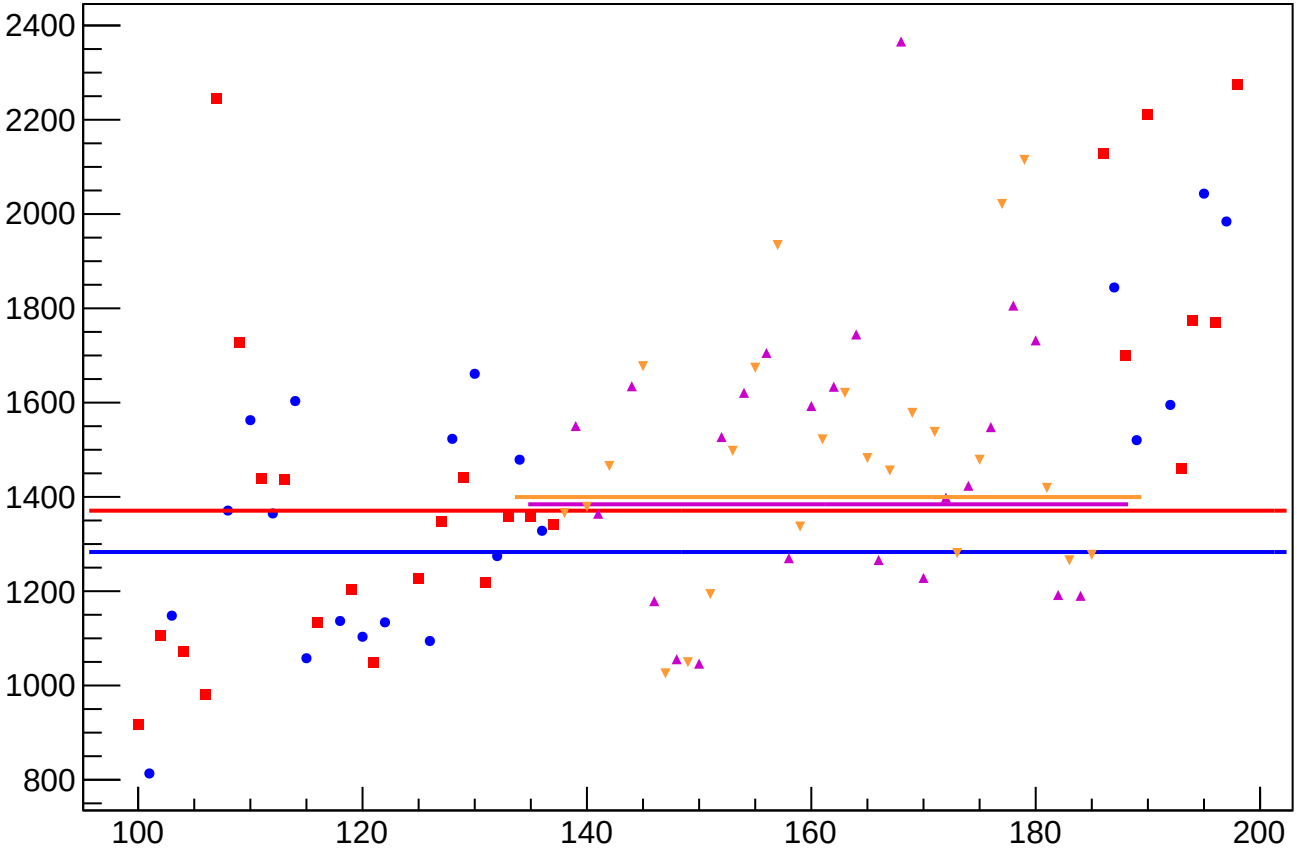
Right: -298.359+/-286.095 χ^2/NDF: 47.5/45

In: -60.930+/-256.542 χ^2/NDF:35.3/43

Out: -304.099+/-256.021 χ^2/NDF:54.6/48

All: -182.762+/-181.218 χ^2/NDF: 90.3/92

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1283.105+/-0.288 χ^2/NDF: 1250772.0/20

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

Right Out: 1370.807+/-0.284 χ^2/NDF: 1272684.9/24

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

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

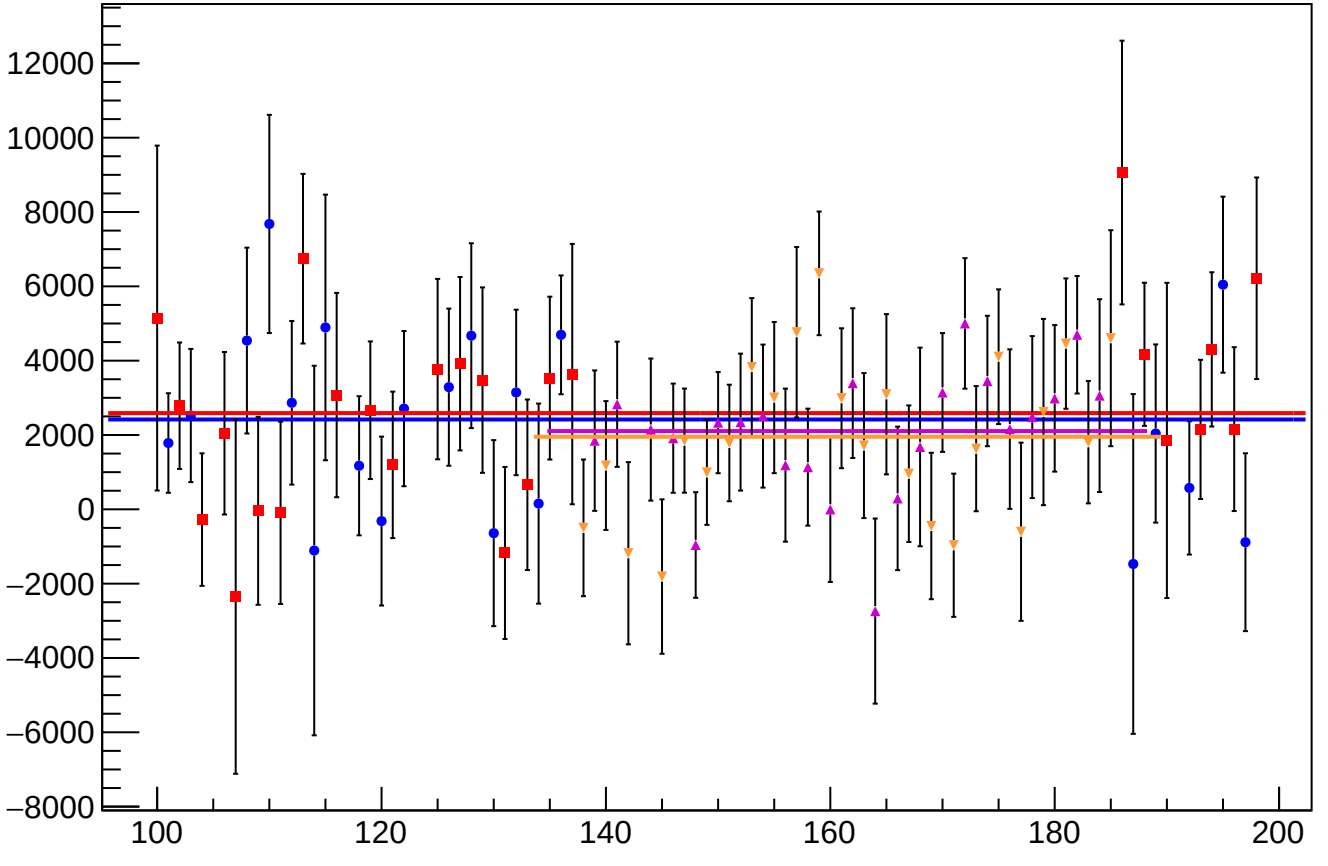
Right: 1327.571+/-0.202 χ^2/NDF: 2570433.0/45

In: 1344.208+/-0.181 χ^2/NDF:2595220.3/43

Out: 1387.981+/-0.181 χ^2/NDF:2415187.6/48

All: 1366.139+/-0.128 χ^2/NDF: 5039580.3/92

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2417.277+/-480.019 χ^2/NDF: 18.5/20

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

Right Out: 2589.806+/-466.257 χ^2/NDF: 21.1/24

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

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

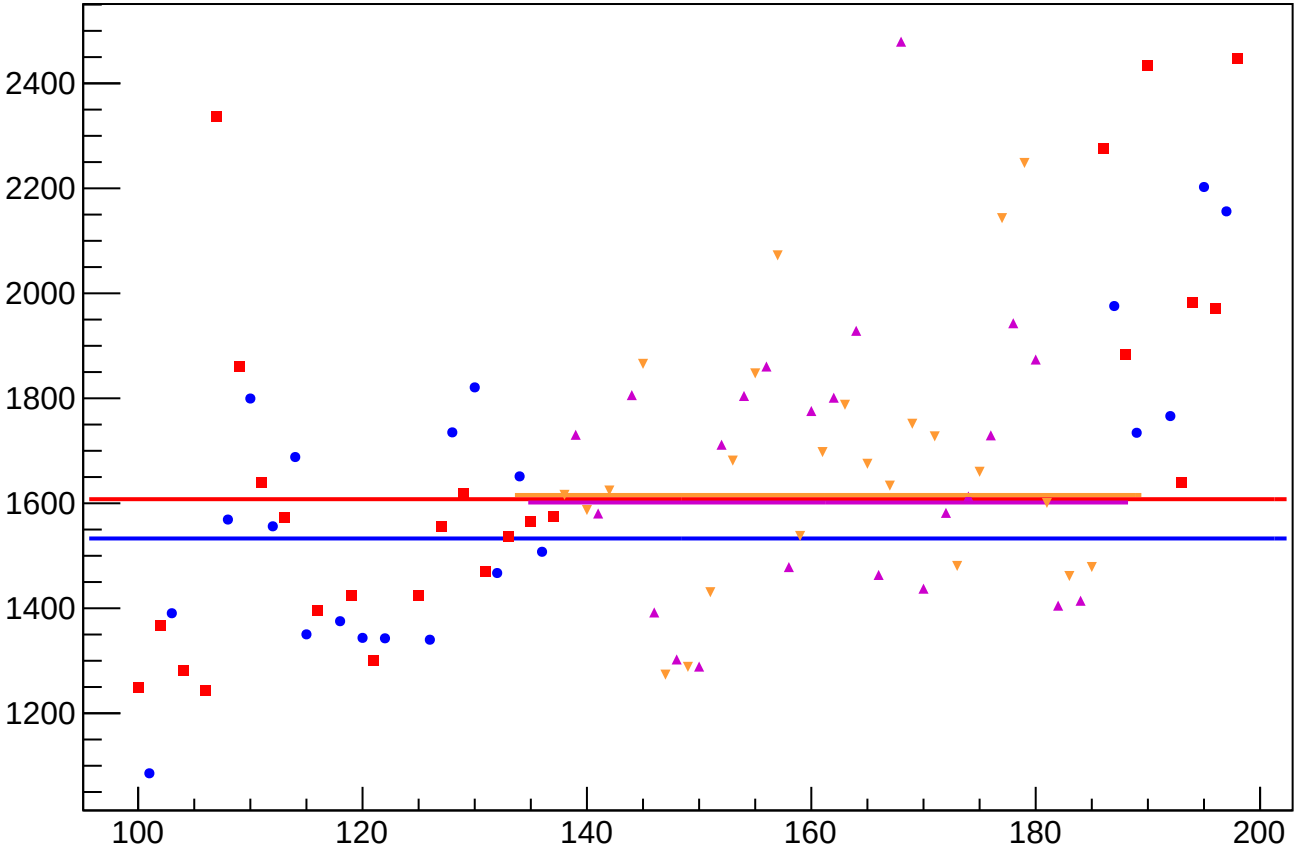
Right: 2506.050+/-334.453 χ^2/NDF: 39.6/45

In: 2225.192+/-297.484 χ^2/NDF:37.3/43

Out: 2207.022+/-294.687 χ^2/NDF:49.6/48

All: 2216.021+/-209.357 χ^2/NDF: 86.9/92

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1532.975+/-0.339 χ^2/NDF: 729369.4/20

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

Right Out: 1607.814+/-0.330 χ^2/NDF: 842899.2/24

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

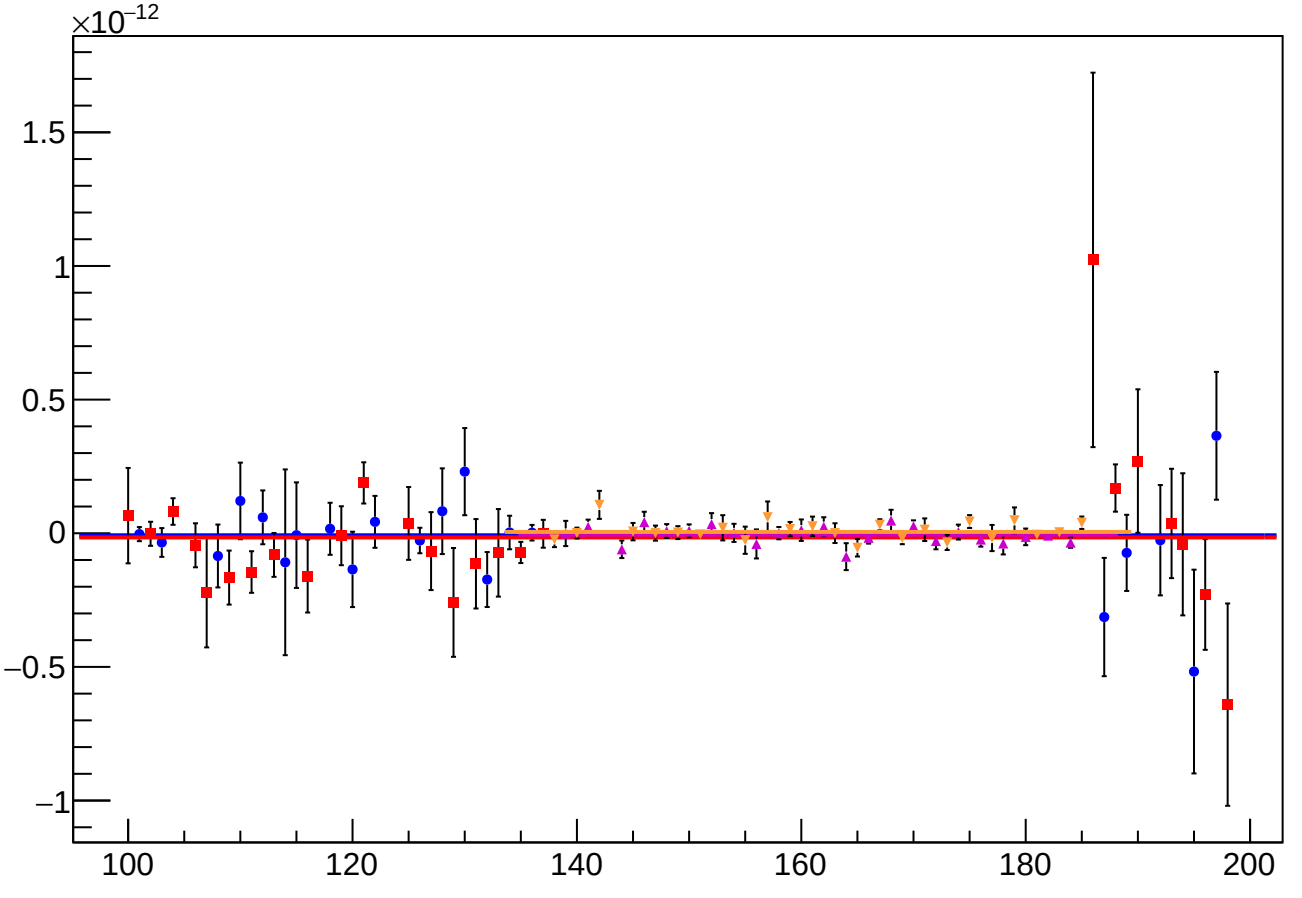
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1571.483+/-0.236 χ^2/NDF: 1597283.2/45

In: 1575.179+/-0.210 χ^2/NDF:1548193.2/43

Out: 1612.642+/-0.208 χ^2/NDF:1537609.6/48

All: 1594.088+/-0.148 χ^2/NDF: 3101811.4/92



Right In: -0.000+/-0.000 χ^2/NDF: 14.9/20

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

Right Out: -0.000+/-0.000 χ^2/NDF: 34.8/24

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

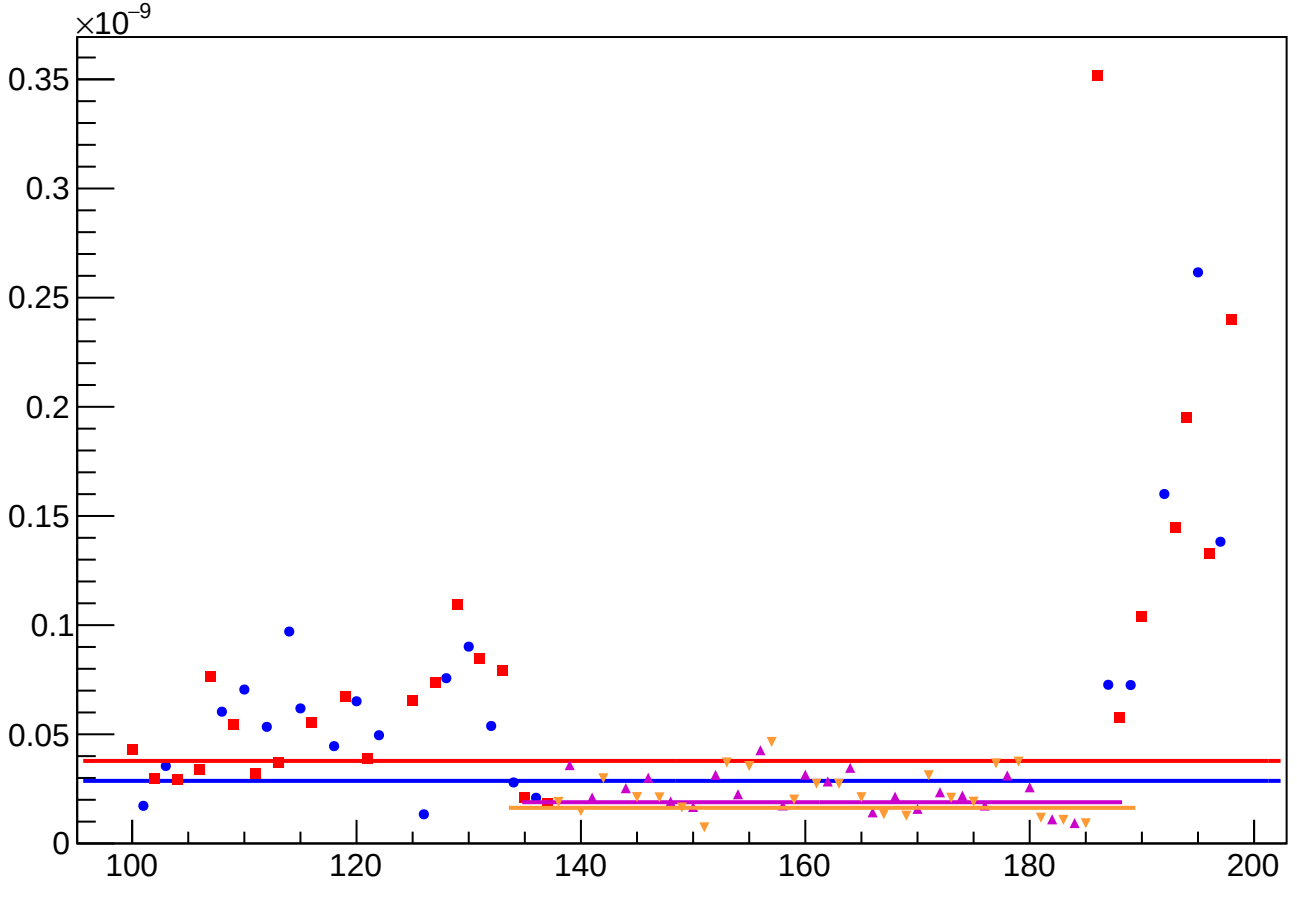
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 49.8/45

In: -0.000+/-0.000 χ^2/NDF:34.3/43

Out: 0.000+/-0.000 χ^2/NDF:57.0/48

All: -0.000+/-0.000 χ^2/NDF: 92.7/92



Right In: 0.000+/-0.000 χ^2/NDF: 4427539.7/20

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

Right Out: 0.000+/-0.000 χ^2/NDF: 4680779.4/24

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

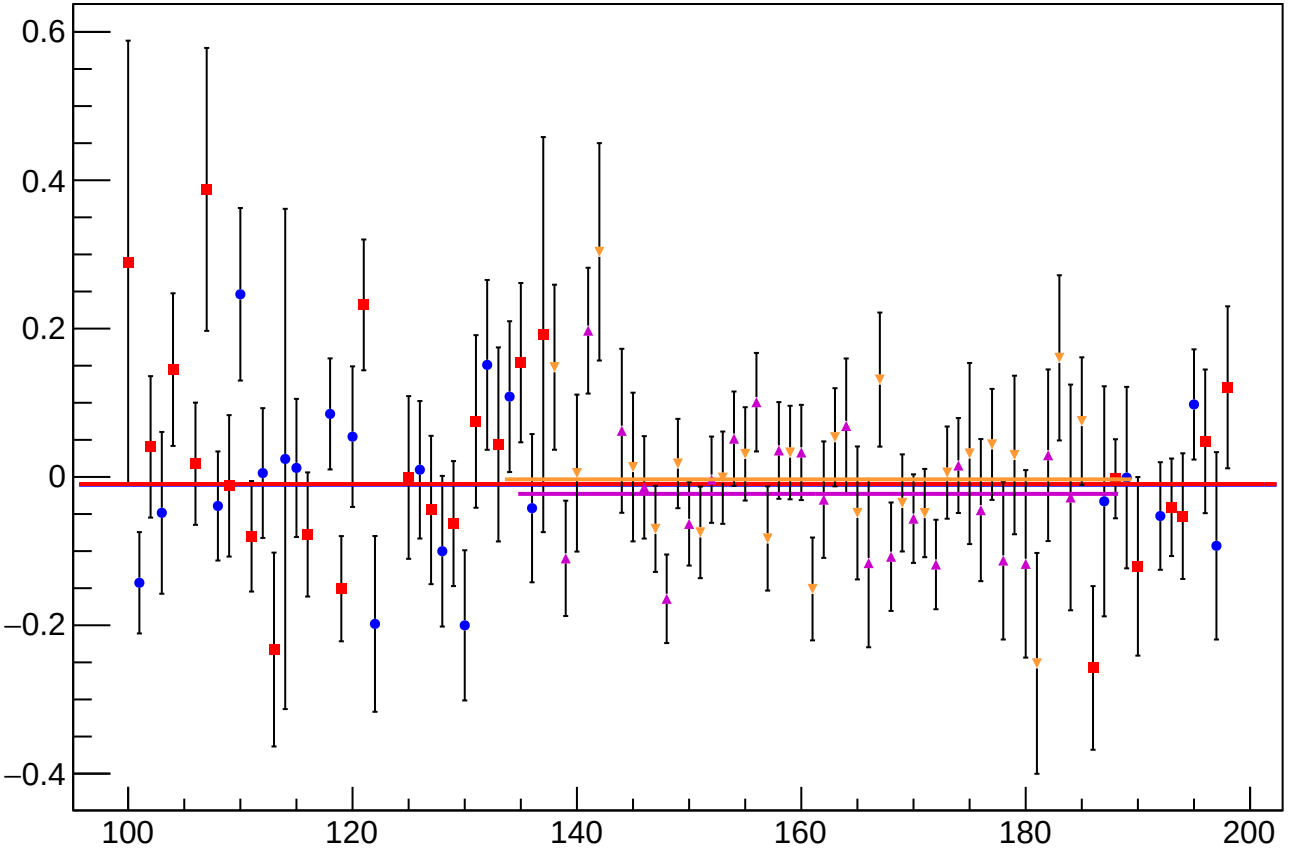
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

Right: 0.000+/-0.000 χ^2/NDF: 9421483.4/45

In: 0.000+/-0.000 χ^2/NDF:8425865.8/43

Out: 0.000+/-0.000 χ^2/NDF:11677735.9/48

All: 0.000+/-0.000 χ^2/NDF: 20254542.2/92



Right In: -0.011+/-0.021 χ^2/NDF: 24.3/20

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

Right Out: -0.010+/-0.019 χ^2/NDF: 36.2/24

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

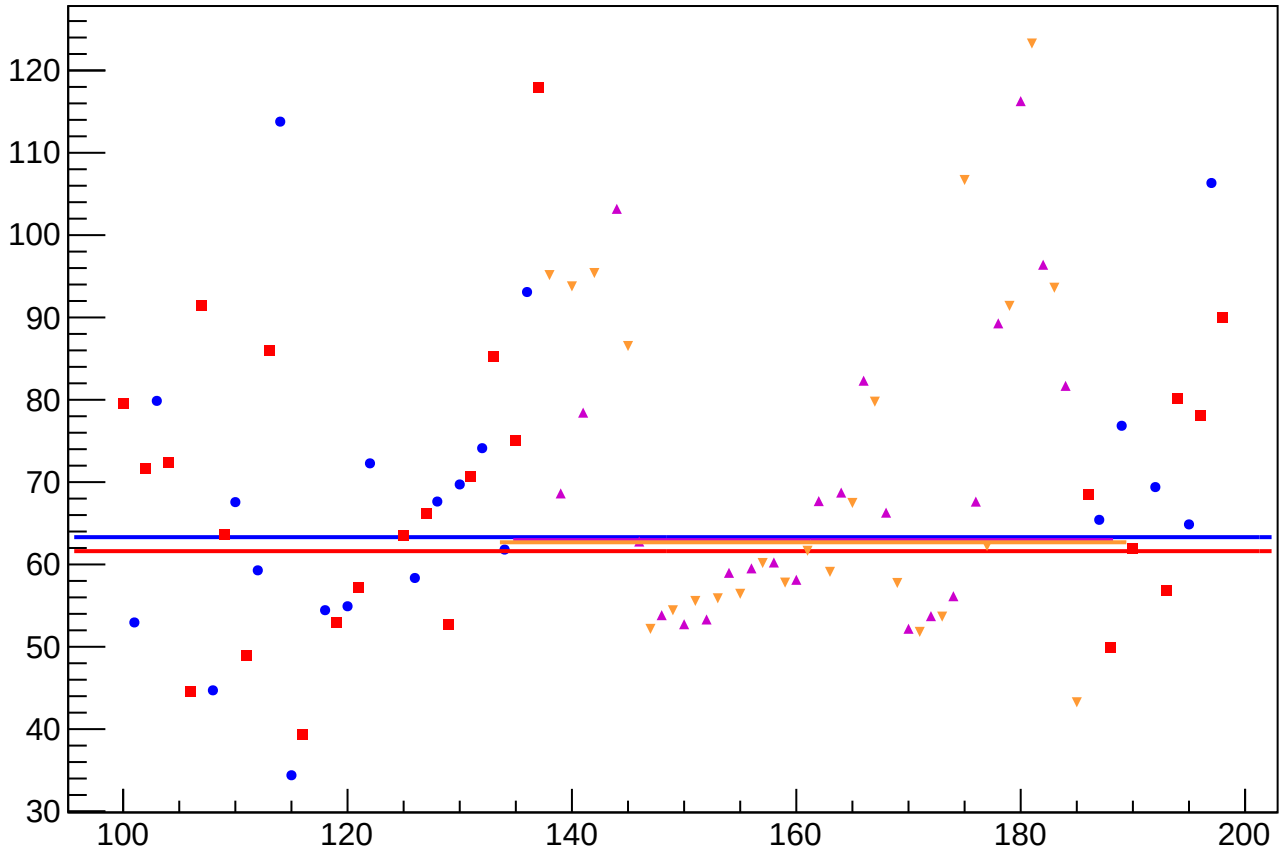
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.010+/-0.014 χ^2/NDF: 60.5/45

In: -0.018+/-0.012 χ^2/NDF:53.5/43

Out: -0.006+/-0.012 χ^2/NDF:62.2/48

All: -0.012+/-0.009 χ^2/NDF: 116.2/92



Right In: 63.316+/-0.015 χ^2/NDF: 1004707.5/20

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

Right Out: 61.616+/-0.013 χ^2/NDF: 1119879.2/24

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

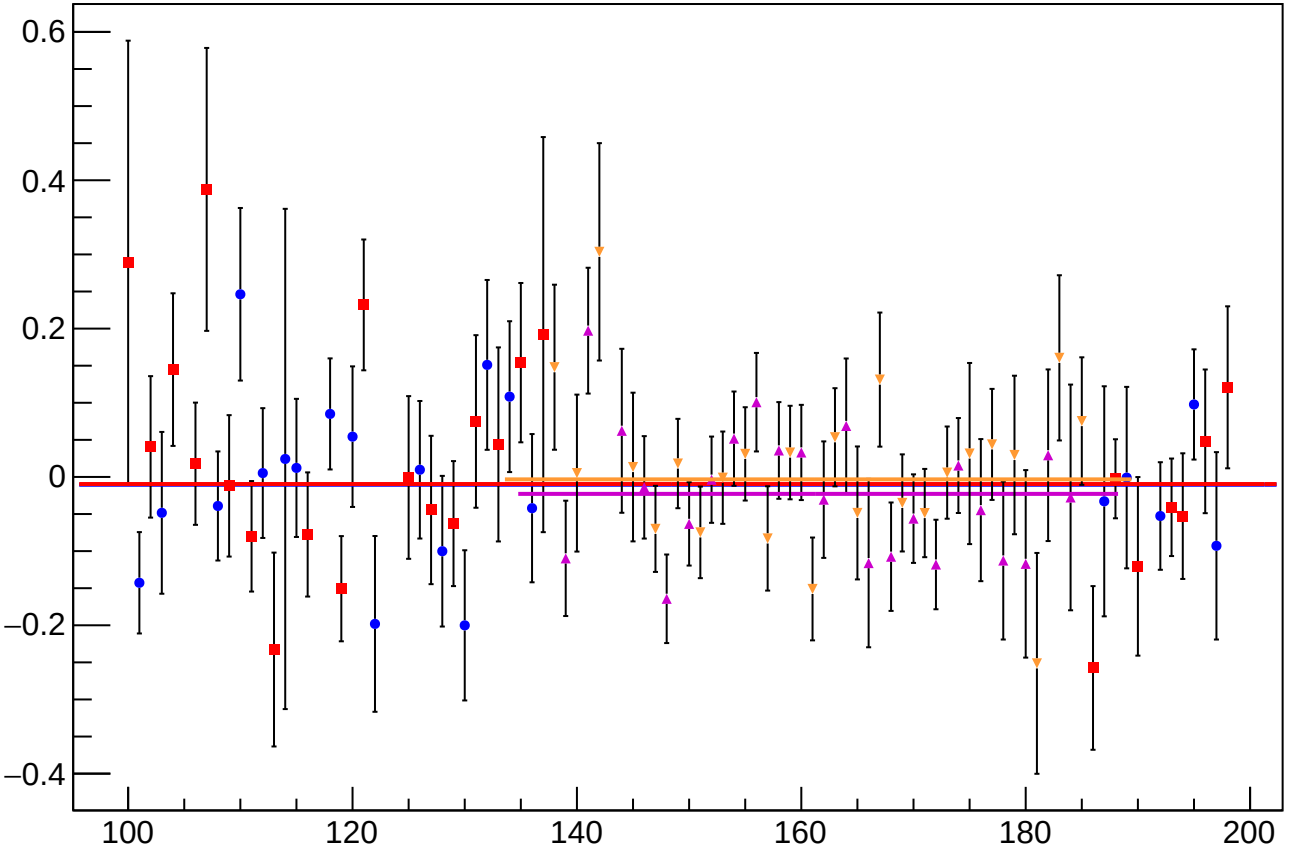
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

Right: 62.378+/-0.010 χ^2/NDF: 2131922.1/45

In: 63.084+/-0.009 χ^2/NDF:2435519.2/43

Out: 62.258+/-0.008 χ^2/NDF:3063196.0/48

All: 62.654+/-0.006 χ^2/NDF: 5503301.5/92



Right In: -0.011+/-0.021 χ^2/NDF: 24.3/20

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

Right Out: -0.010+/-0.019 χ^2/NDF: 36.2/24

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

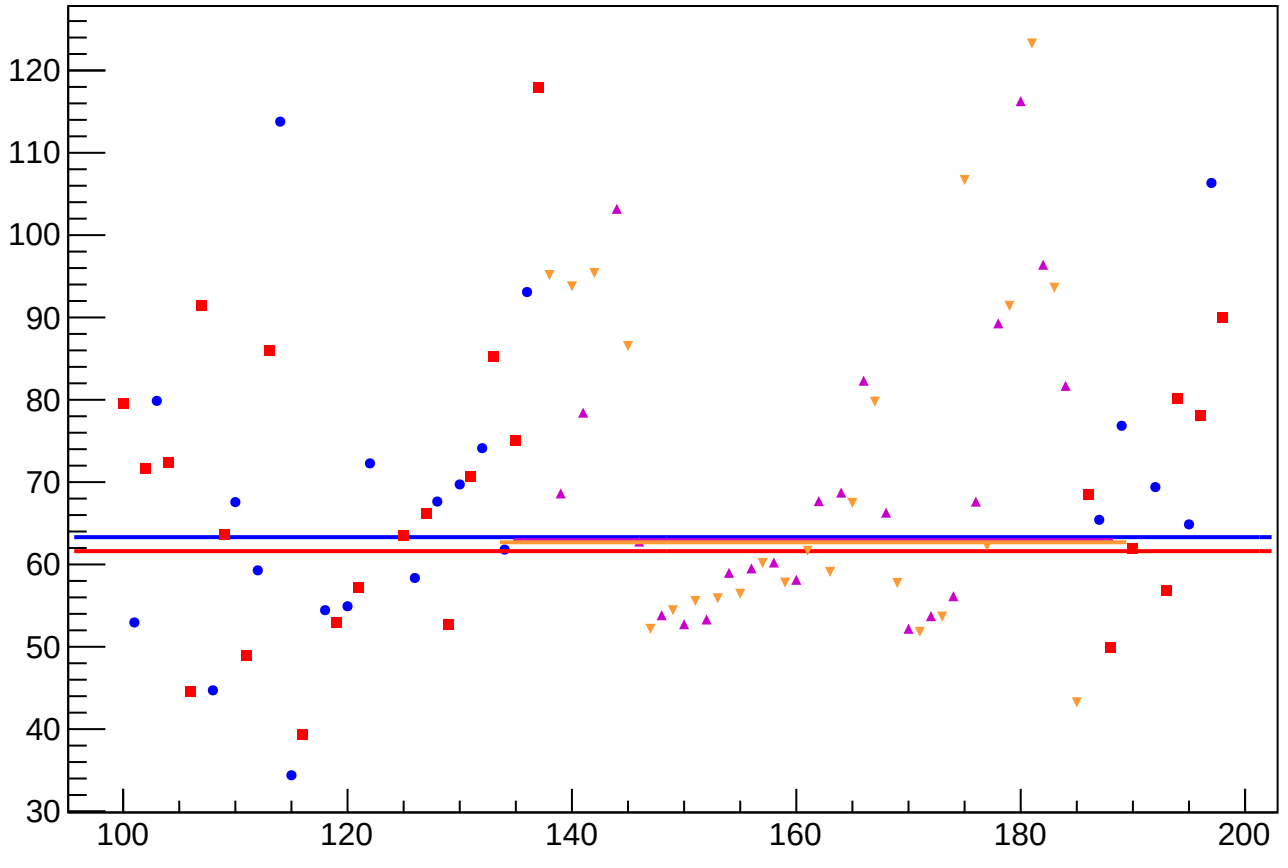
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.010+/-0.014 χ^2/NDF: 60.5/45

In: -0.018+/-0.012 χ^2/NDF:53.5/43

Out: -0.006+/-0.012 χ^2/NDF:62.2/48

All: -0.012+/-0.009 χ^2/NDF: 116.2/92



Right In: 63.316+/-0.015 χ^2/NDF: 1004707.5/20

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

Right Out: 61.616+/-0.013 χ^2/NDF: 1119879.2/24

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

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

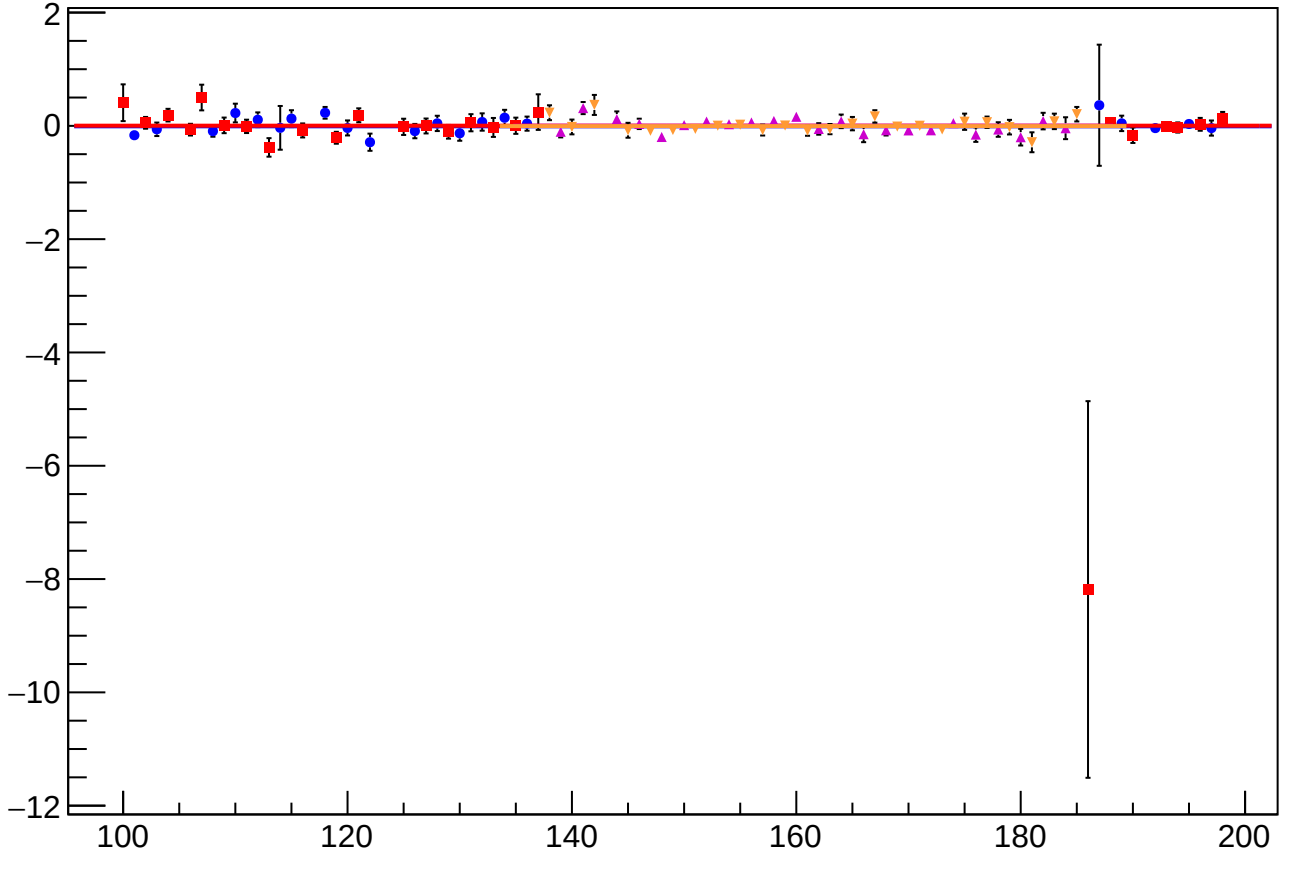
Right: 62.378+/-0.010 χ^2/NDF: 2131922.1/45

In: 63.084+/-0.009 χ^2/NDF:2435519.2/43

Out: 62.258+/-0.008 χ^2/NDF:3063196.0/48

All: 62.654+/-0.006 χ^2/NDF: 5503301.5/92

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.027 χ^2/NDF: 20.9/20

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

Right Out: 0.003+/-0.024 χ^2/NDF: 33.3/24

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

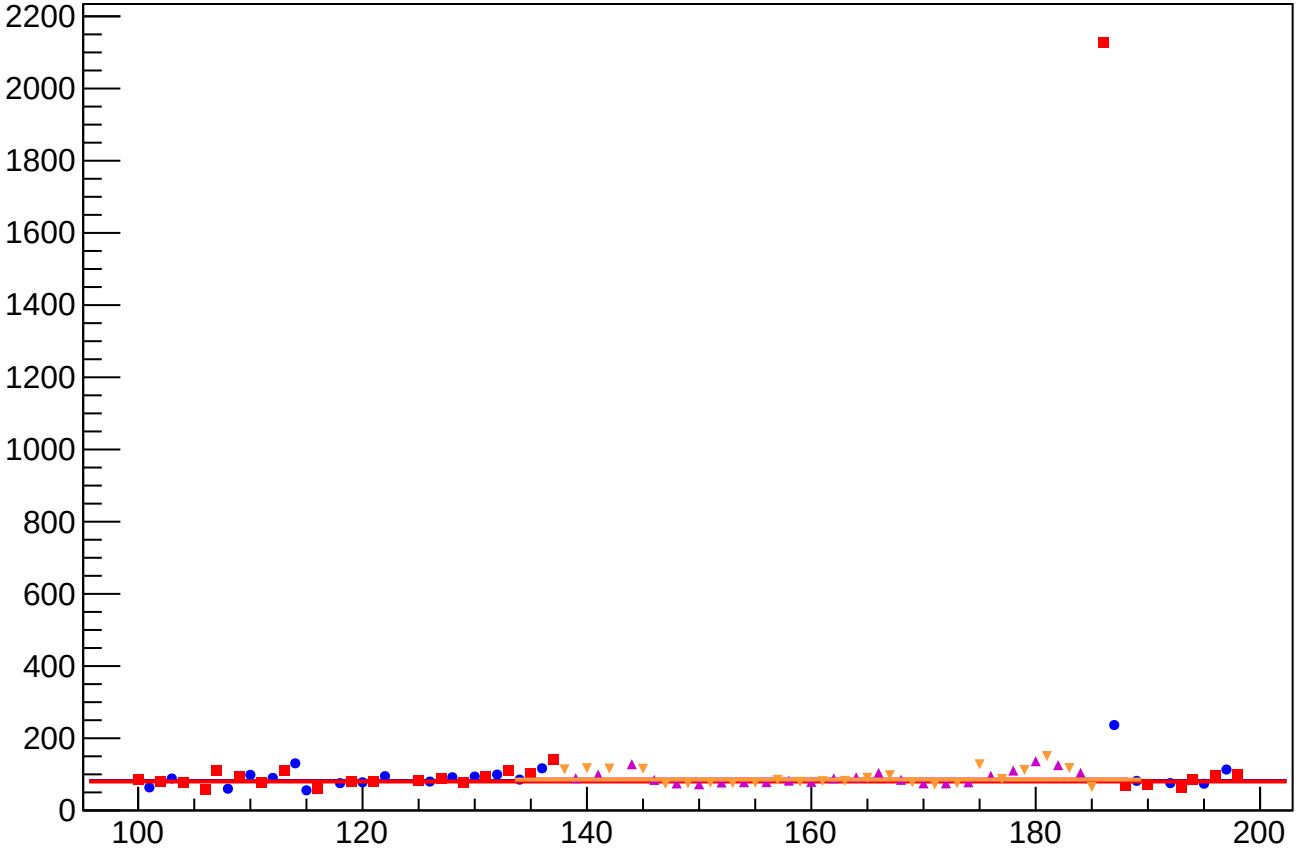
Right: -0.002+/-0.018 χ^2/NDF: 54.3/45

In: -0.002+/-0.016 χ^2/NDF:51.5/43

Out: -0.001+/-0.016 χ^2/NDF:54.7/48

All: -0.002+/-0.011 χ^2/NDF: 106.2/92

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 81.582+/-0.019 χ^2/NDF: 744043.4/20

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

Right Out: 80.269+/-0.017 χ^2/NDF: 1512746.4/24

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

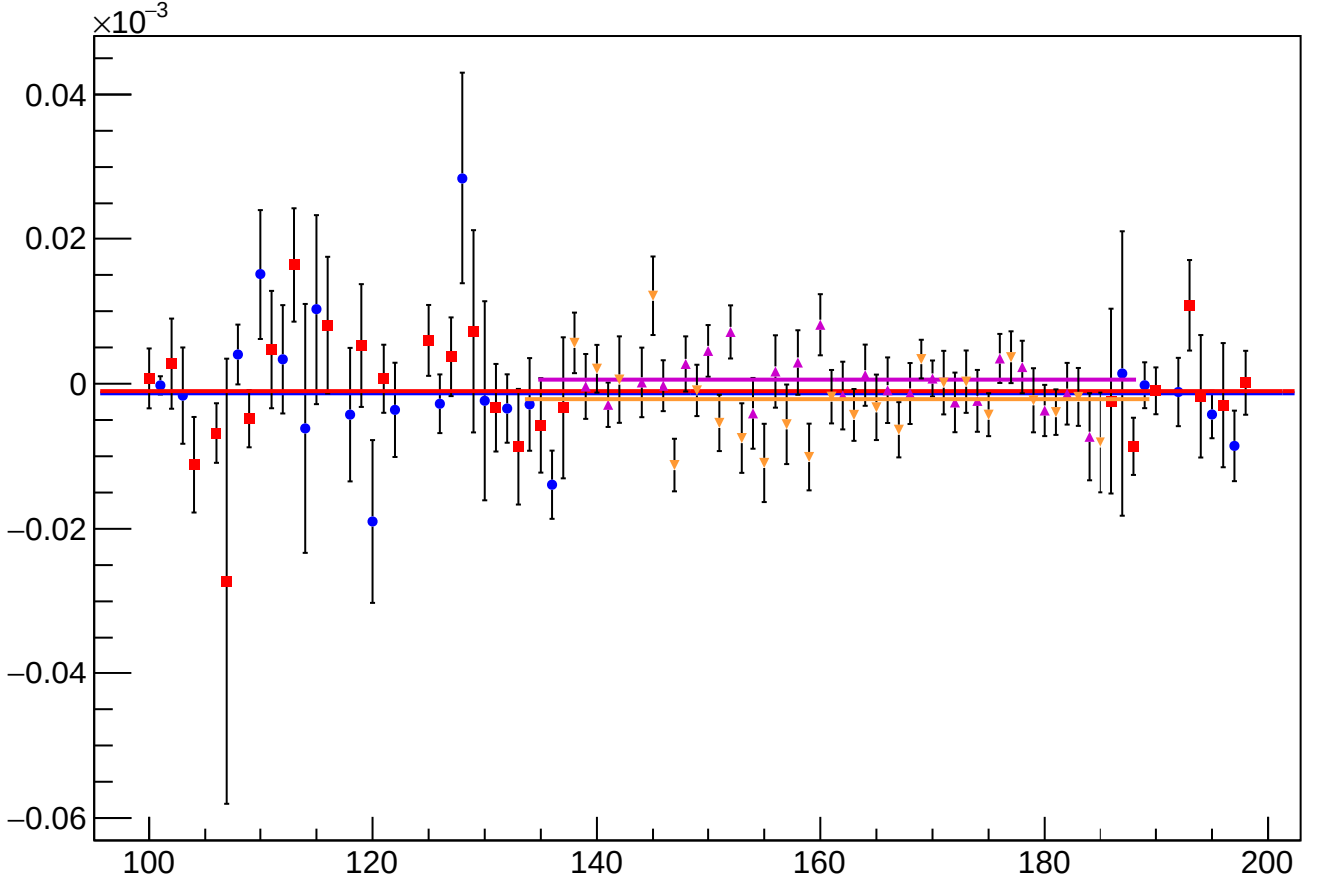
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 80.868+/-0.013 χ^2/NDF: 2259443.0/45

In: 84.134+/-0.012 χ^2/NDF:1769526.3/43

Out: 83.395+/-0.011 χ^2/NDF:2922243.3/48

All: 83.752+/-0.008 χ^2/NDF: 4693888.5/92



Right In: -0.000+/-0.000 χ^2/NDF: 24.7/20

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

Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/24

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

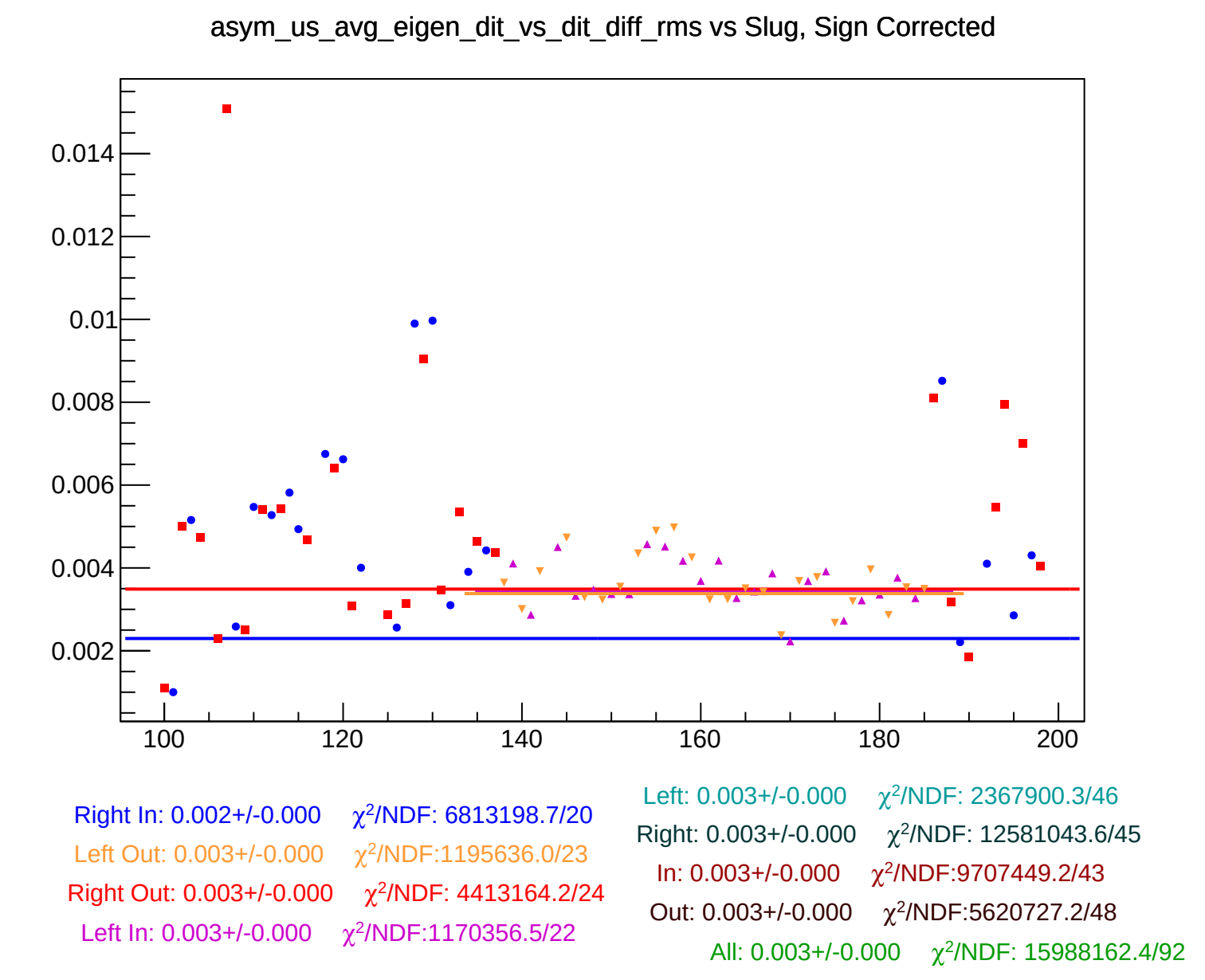
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

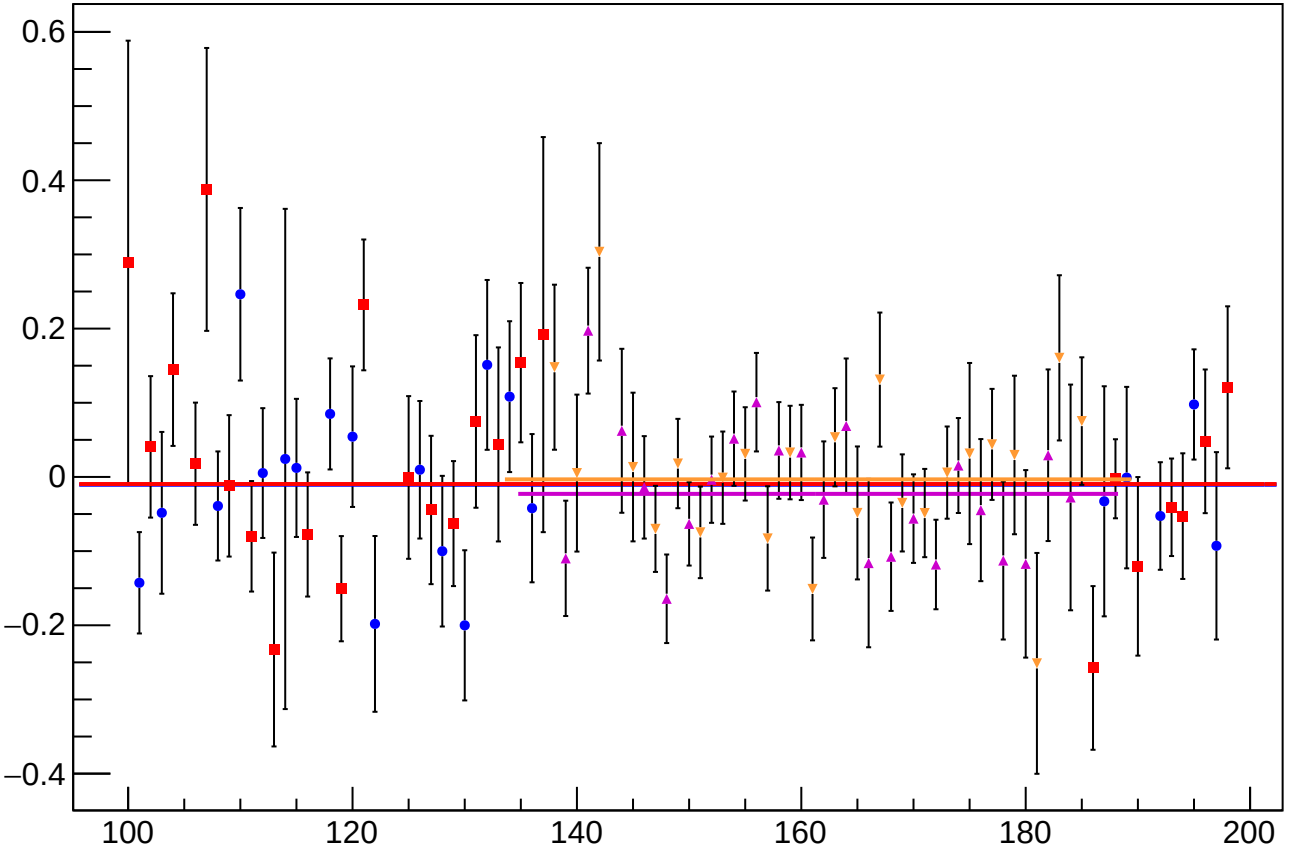
Right: -0.000+/-0.000 χ^2/NDF: 50.6/45

In: -0.000+/-0.000 χ^2/NDF:43.7/43

Out: -0.000+/-0.000 χ^2/NDF:63.9/48

All: -0.000+/-0.000 χ^2/NDF: 110.3/92


asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 6813198.7/20
Left Out: 0.003+/-0.000 χ²/NDF:1195636.0/23
Right Out: 0.003+/-0.000 χ²/NDF: 4413164.2/24
Left In: 0.003+/-0.000 χ²/NDF:1170356.5/22
Left: 0.003+/-0.000 χ²/NDF: 2367900.3/46
Right: 0.003+/-0.000 χ²/NDF: 12581043.6/45
In: 0.003+/-0.000 χ²/NDF:9707449.2/43
Out: 0.003+/-0.000 χ²/NDF:5620727.2/48
All: 0.003+/-0.000 χ²/NDF: 15988162.4/92



Right In: -0.011+/-0.021 χ^2/NDF: 24.3/20

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

Right Out: -0.010+/-0.019 χ^2/NDF: 36.2/24

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

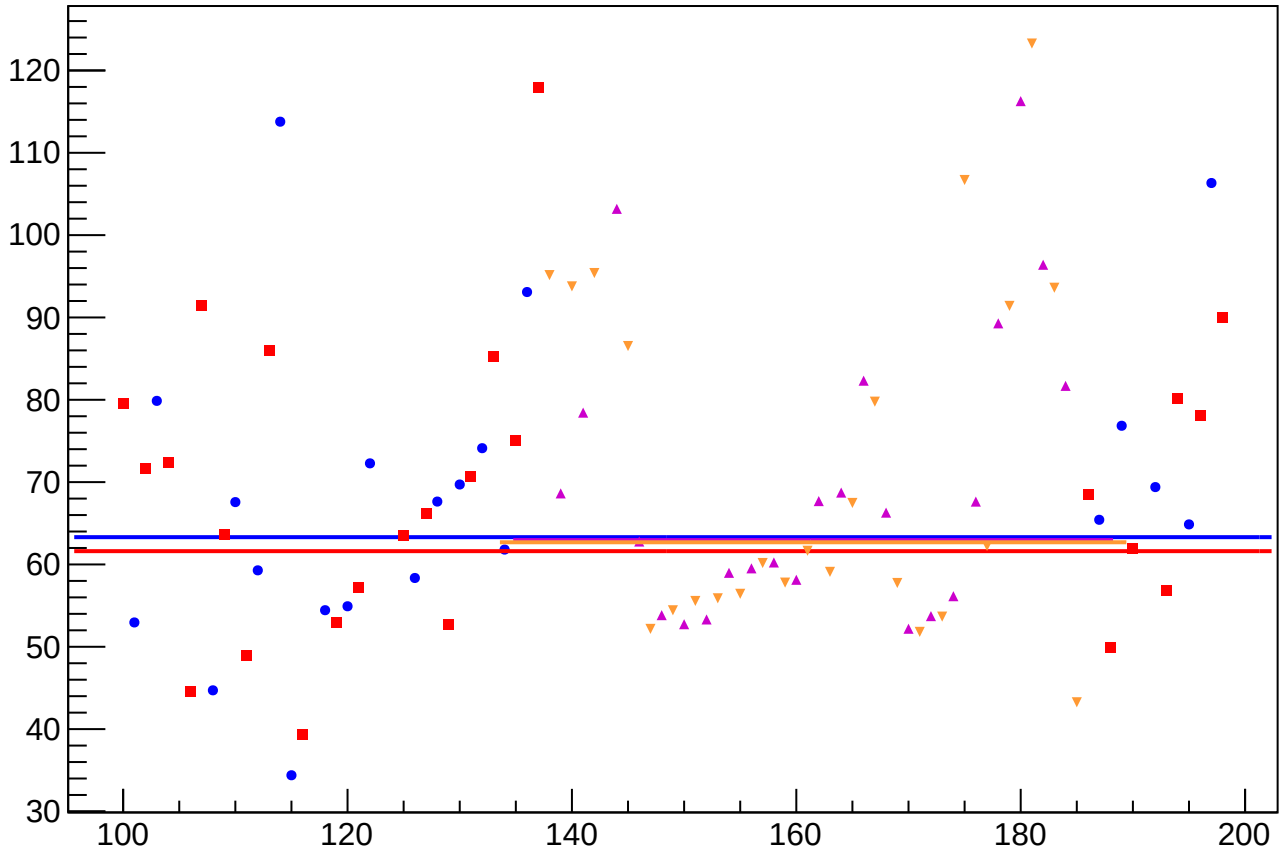
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.010+/-0.014 χ^2/NDF: 60.5/45

In: -0.018+/-0.012 χ^2/NDF:53.5/43

Out: -0.006+/-0.012 χ^2/NDF:62.2/48

All: -0.012+/-0.009 χ^2/NDF: 116.2/92



Right In: 63.315+/-0.015 χ^2/NDF: 1004746.5/20

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

Right Out: 61.615+/-0.013 χ^2/NDF: 1119832.2/24

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

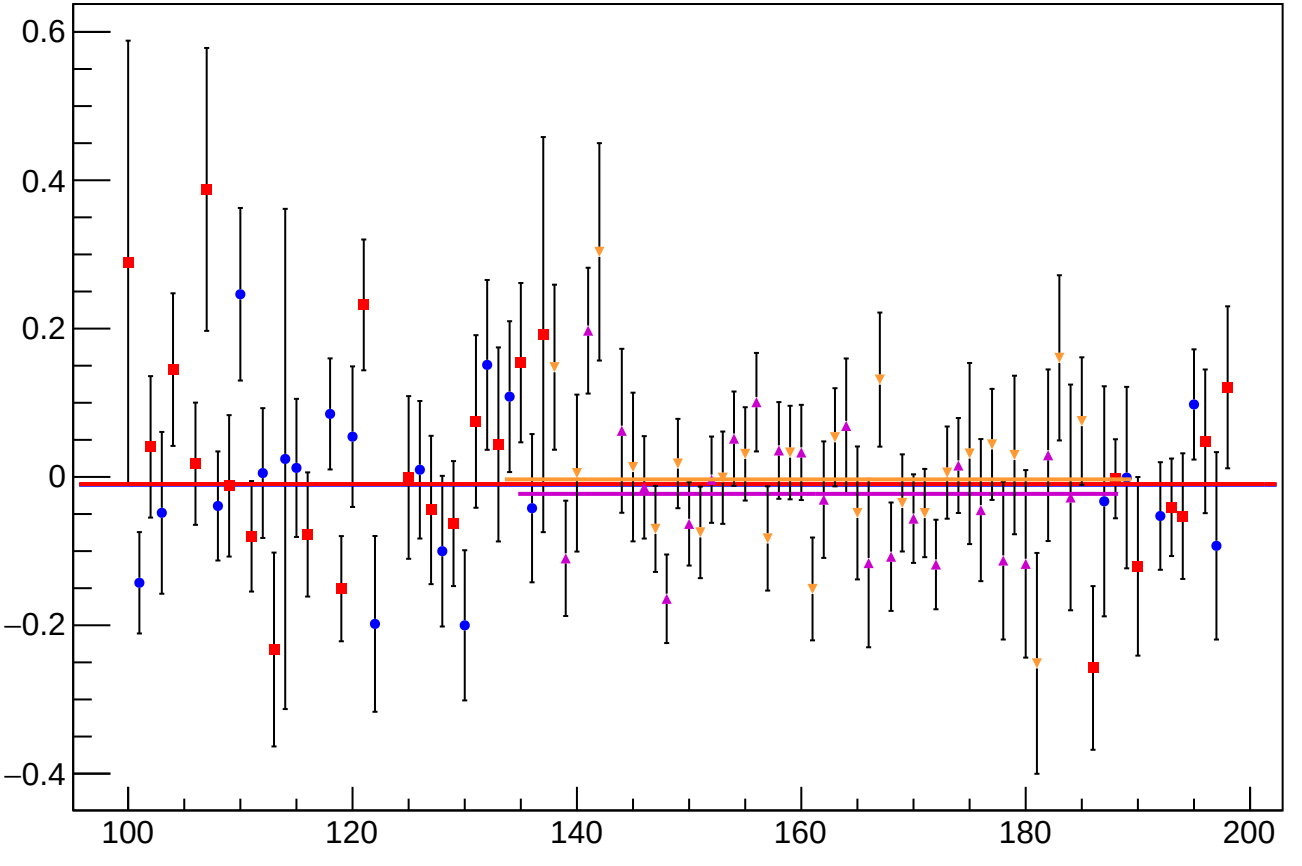
Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

Right: 62.377+/-0.010 χ^2/NDF: 2131914.3/45

In: 63.084+/-0.009 χ^2/NDF:2435530.4/43

Out: 62.258+/-0.008 χ^2/NDF:3063142.8/48

All: 62.654+/-0.006 χ^2/NDF: 5503259.7/92



Right In: -0.011+/-0.021 χ^2/NDF: 24.3/20

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

Right Out: -0.010+/-0.019 χ^2/NDF: 36.2/24

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

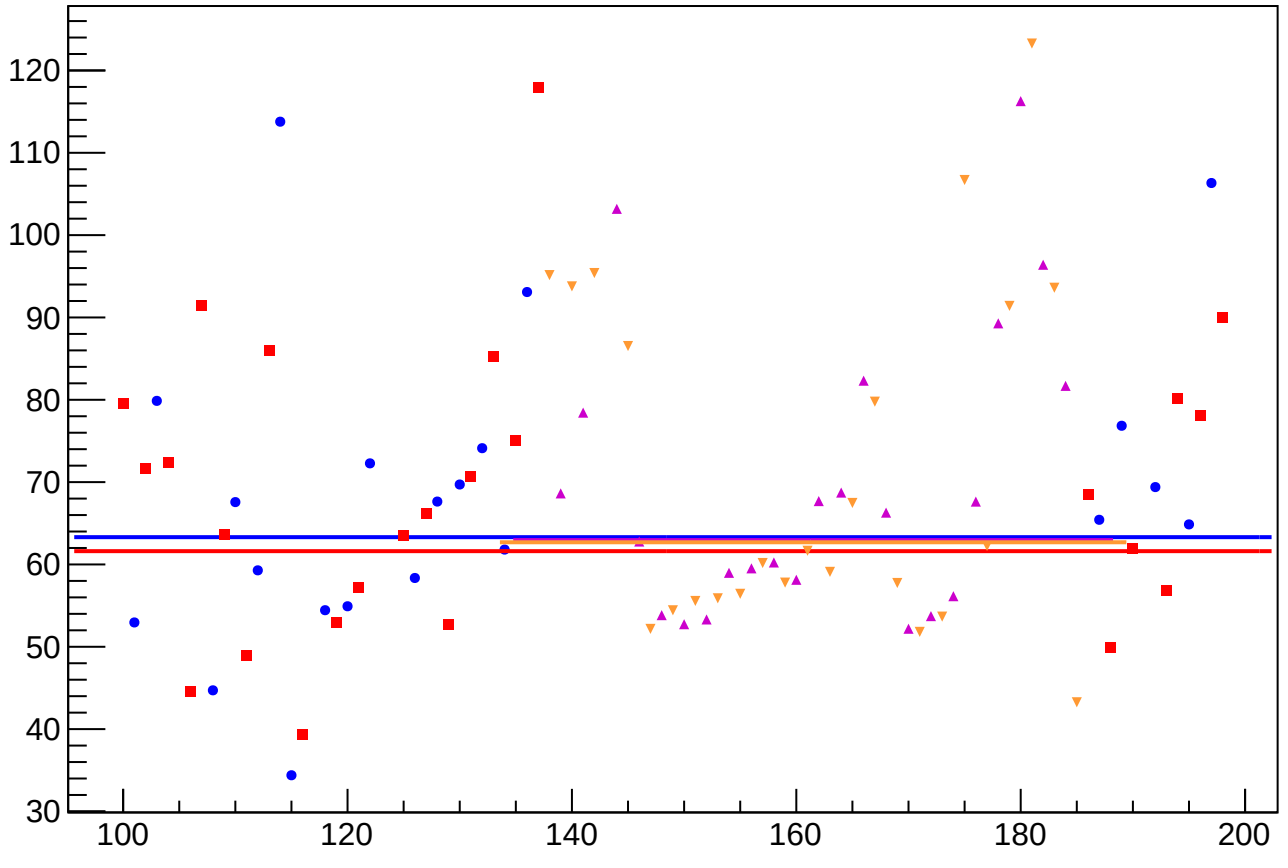
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.010+/-0.014 χ^2/NDF: 60.5/45

In: -0.018+/-0.012 χ^2/NDF:53.5/43

Out: -0.006+/-0.012 χ^2/NDF:62.2/48

All: -0.012+/-0.009 χ^2/NDF: 116.2/92



Right In: 63.315+/-0.015 χ^2/NDF: 1004746.5/20

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

Right Out: 61.615+/-0.013 χ^2/NDF: 1119832.2/24

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

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

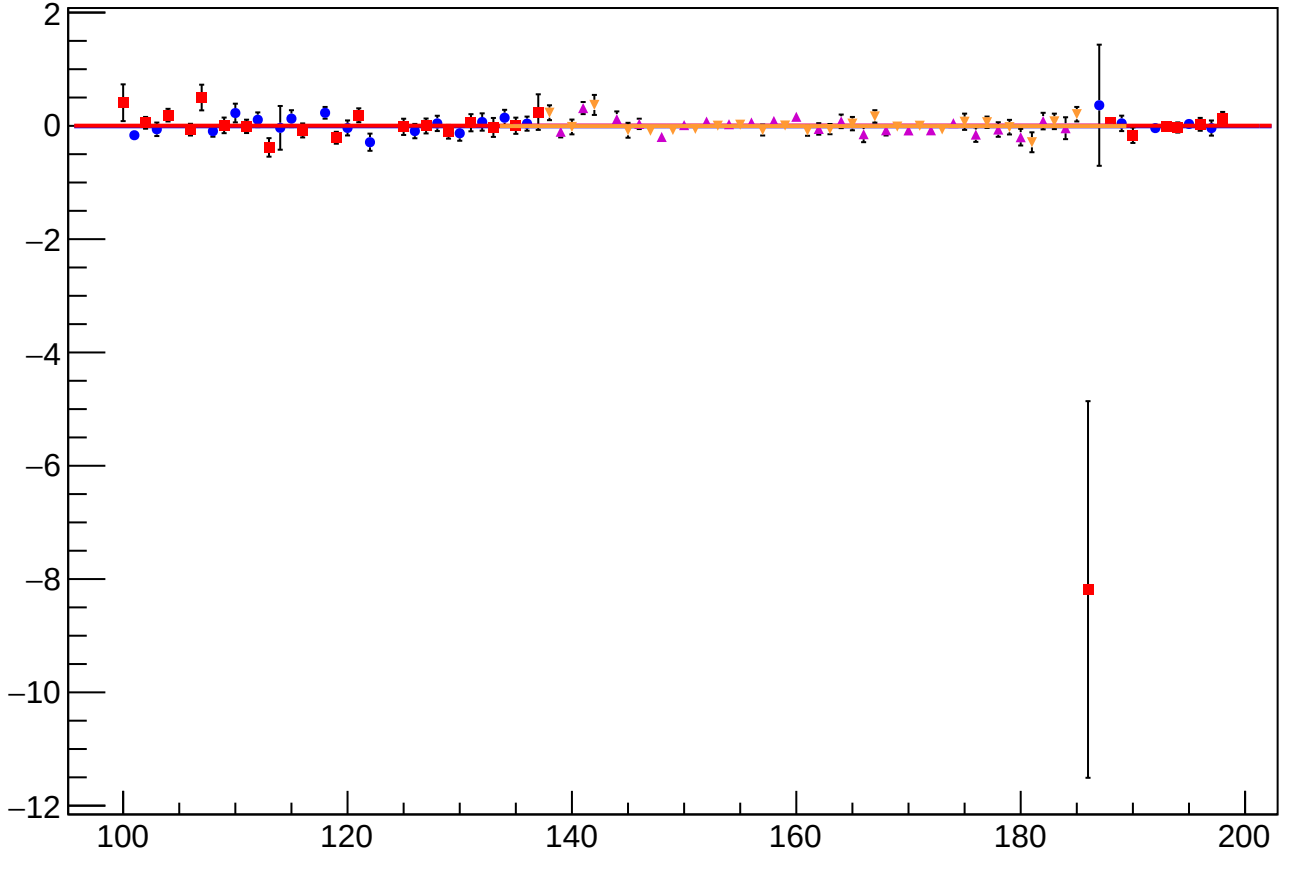
Right: 62.377+/-0.010 χ^2/NDF: 2131914.3/45

In: 63.084+/-0.009 χ^2/NDF:2435530.4/43

Out: 62.258+/-0.008 χ^2/NDF:3063142.8/48

All: 62.654+/-0.006 χ^2/NDF: 5503259.7/92

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.027 χ^2/NDF: 20.9/20

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

Right Out: 0.003+/-0.024 χ^2/NDF: 33.3/24

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

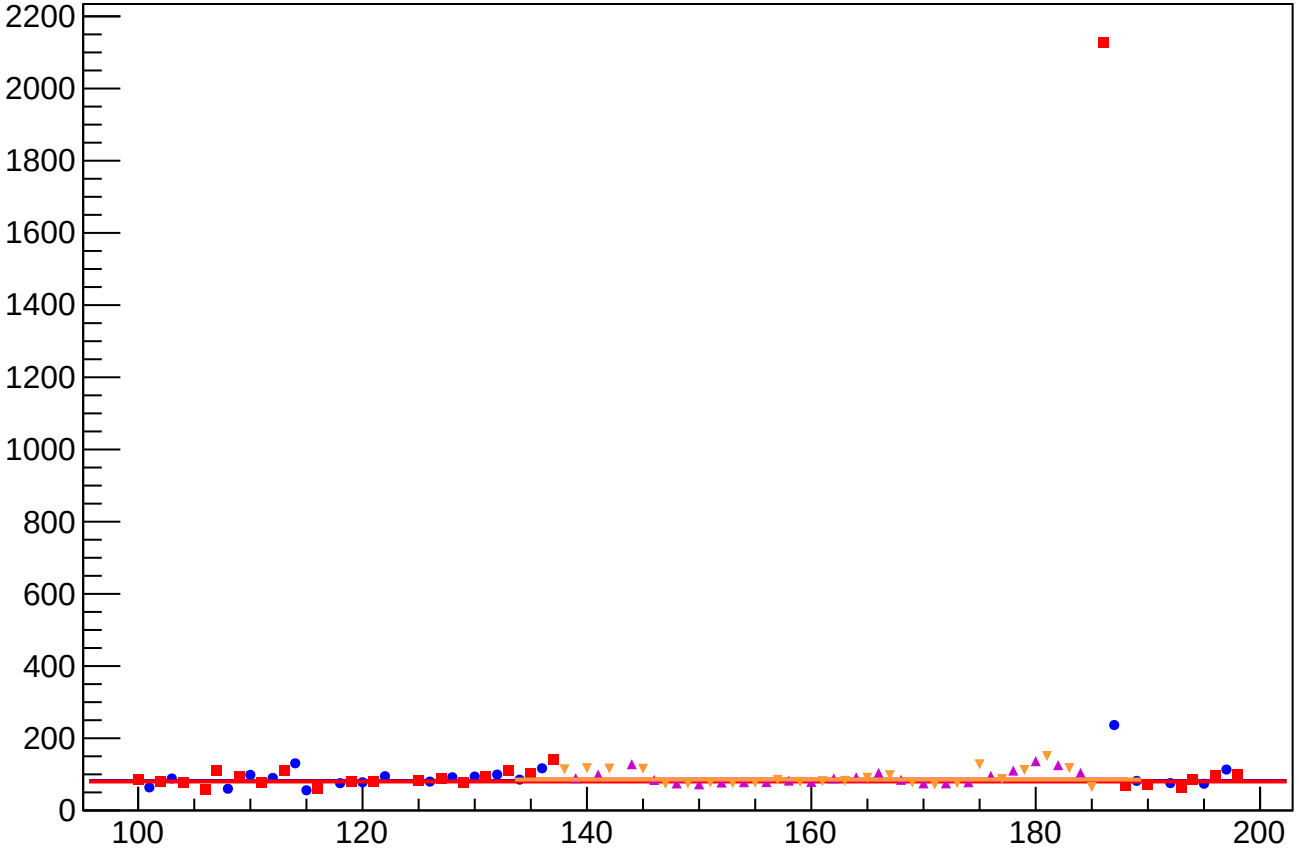
Right: -0.002+/-0.018 χ^2/NDF: 54.3/45

In: -0.002+/-0.016 χ^2/NDF:51.5/43

Out: -0.001+/-0.016 χ^2/NDF:54.7/48

All: -0.002+/-0.011 χ^2/NDF: 106.2/92

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 81.581+/-0.019 χ^2/NDF: 744034.6/20

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

Right Out: 80.268+/-0.017 χ^2/NDF: 1512714.6/24

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

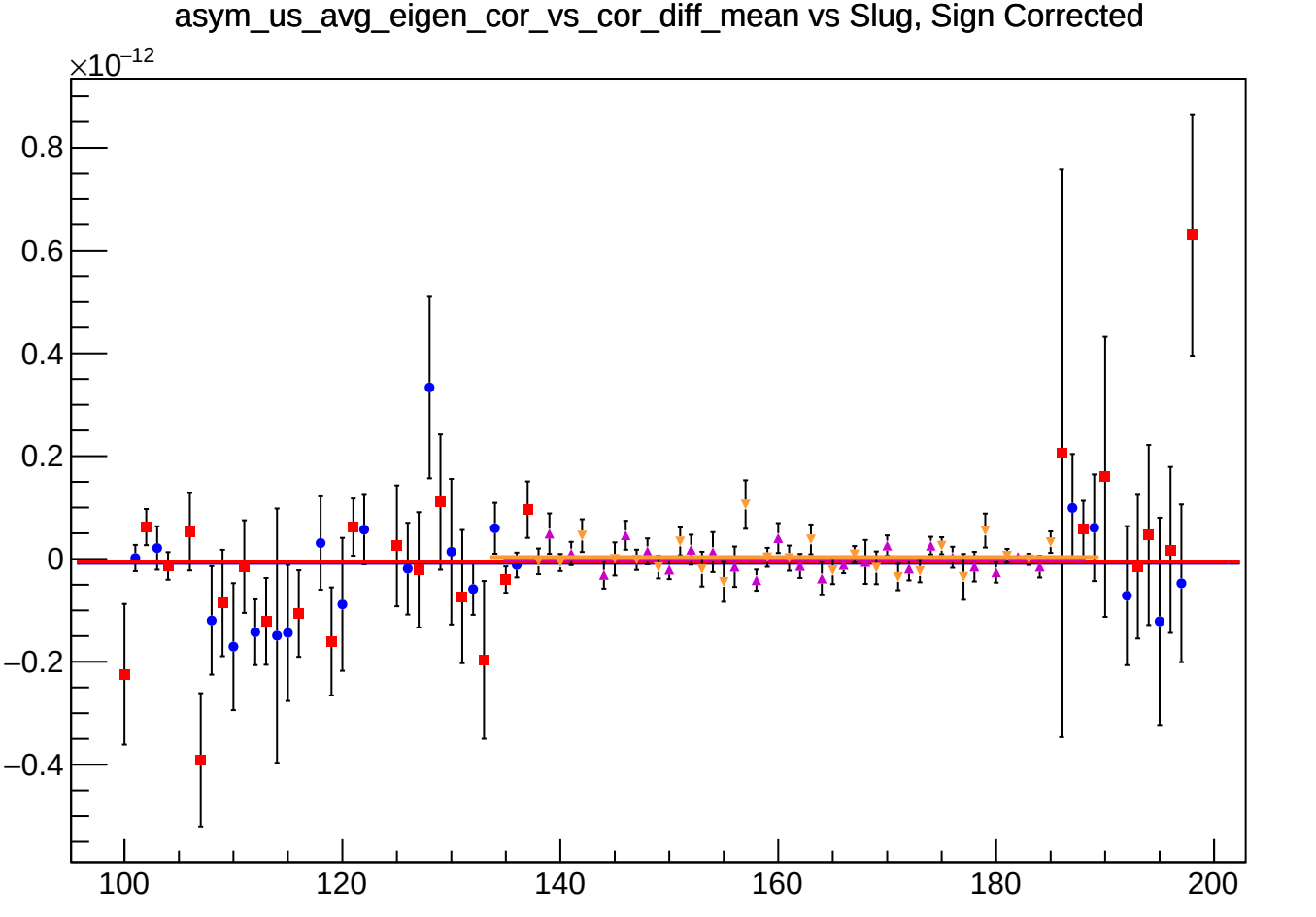
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 80.867+/-0.013 χ^2/NDF: 2259402.0/45

In: 84.133+/-0.012 χ^2/NDF:1769522.9/43

Out: 83.395+/-0.011 χ^2/NDF:2922222.8/48

All: 83.751+/-0.008 χ^2/NDF: 4693864.4/92



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/20

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

Right Out: -0.000+/-0.000 χ^2/NDF: 40.6/24

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

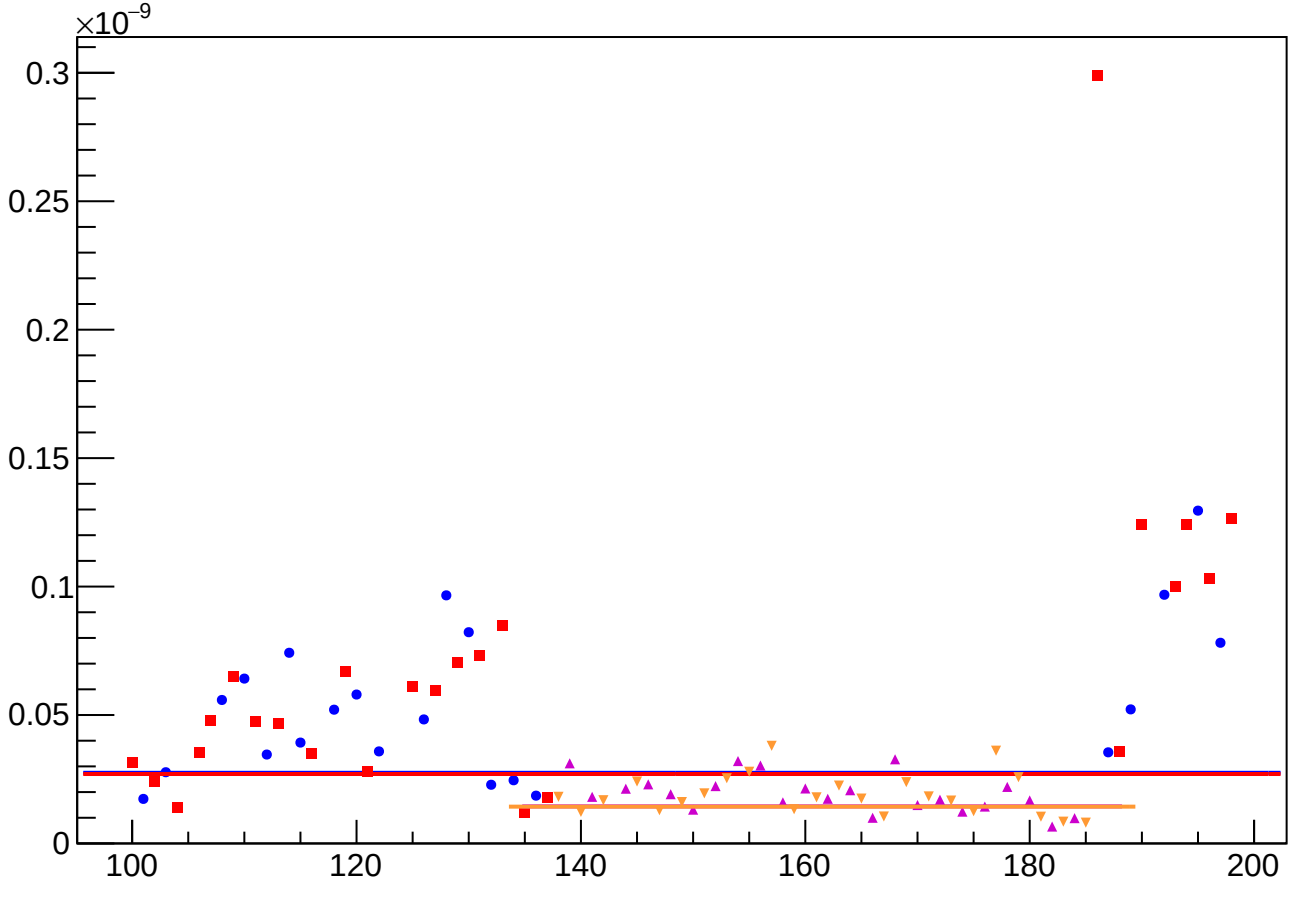
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: -0.000+/-0.000 χ^2/NDF: 60.1/45

In: -0.000+/-0.000 χ^2/NDF:43.4/43

Out: 0.000+/-0.000 χ^2/NDF:66.0/48

All: 0.000+/-0.000 χ^2/NDF: 110.0/92



Right In: 0.000+/-0.000 χ^2/NDF: 3426569.9/20

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

Right Out: 0.000+/-0.000 χ^2/NDF: 5941520.8/24

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

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

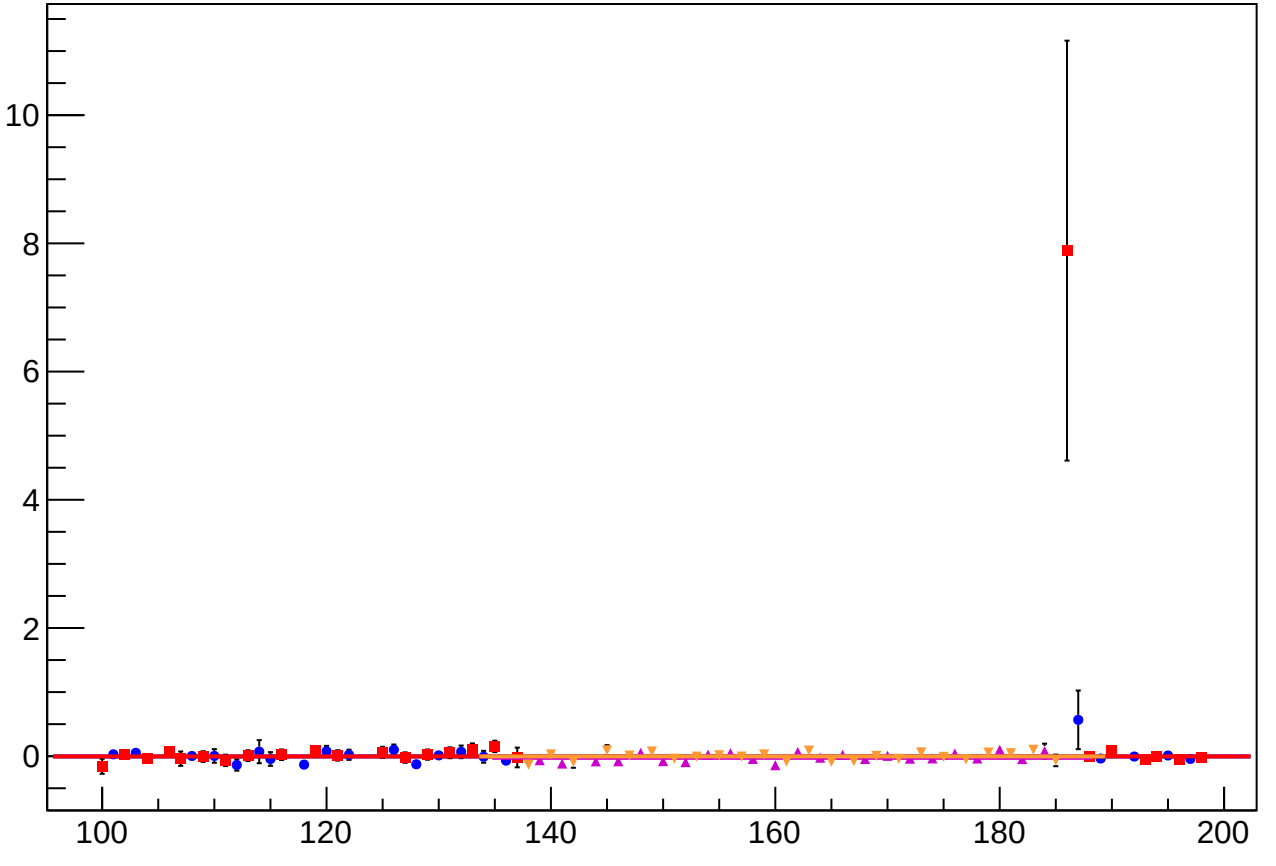
Right: 0.000+/-0.000 χ^2/NDF: 9369422.4/45

In: 0.000+/-0.000 χ^2/NDF:9520694.0/43

Out: 0.000+/-0.000 χ^2/NDF:11304284.6/48

All: 0.000+/-0.000 χ^2/NDF: 20826250.6/92

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.011 χ^2/NDF: 19.6/20

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

Right Out: -0.003+/-0.010 χ^2/NDF: 28.9/24

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

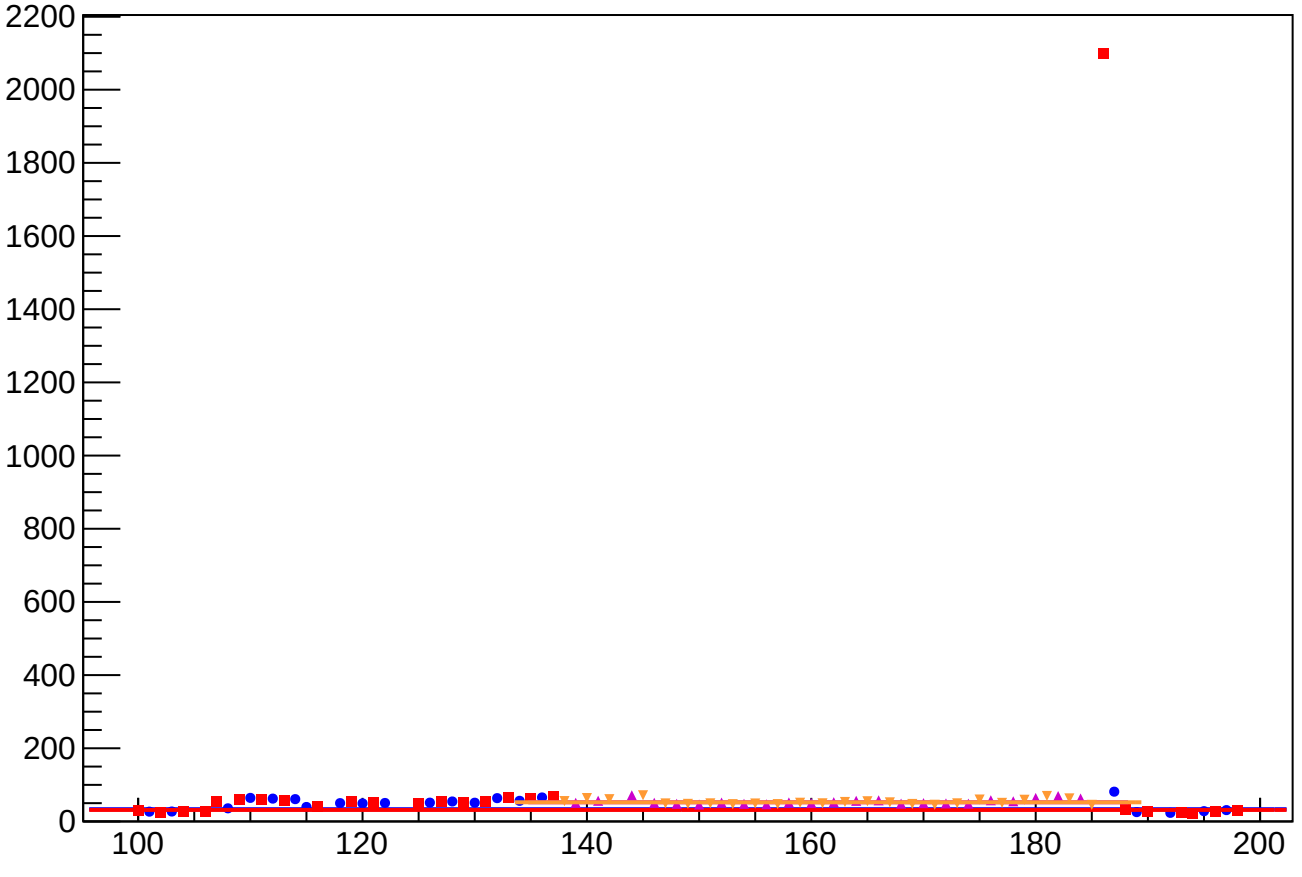
Right: -0.004+/-0.008 χ^2/NDF: 48.5/45

In: -0.014+/-0.008 χ^2/NDF:45.5/43

Out: -0.003+/-0.008 χ^2/NDF:52.0/48

All: -0.008+/-0.006 χ^2/NDF: 98.3/92

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.470+/-0.008 χ^2/NDF: 2445085.6/20

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

Right Out: 31.509+/-0.007 χ^2/NDF: 3578519.0/24

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

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

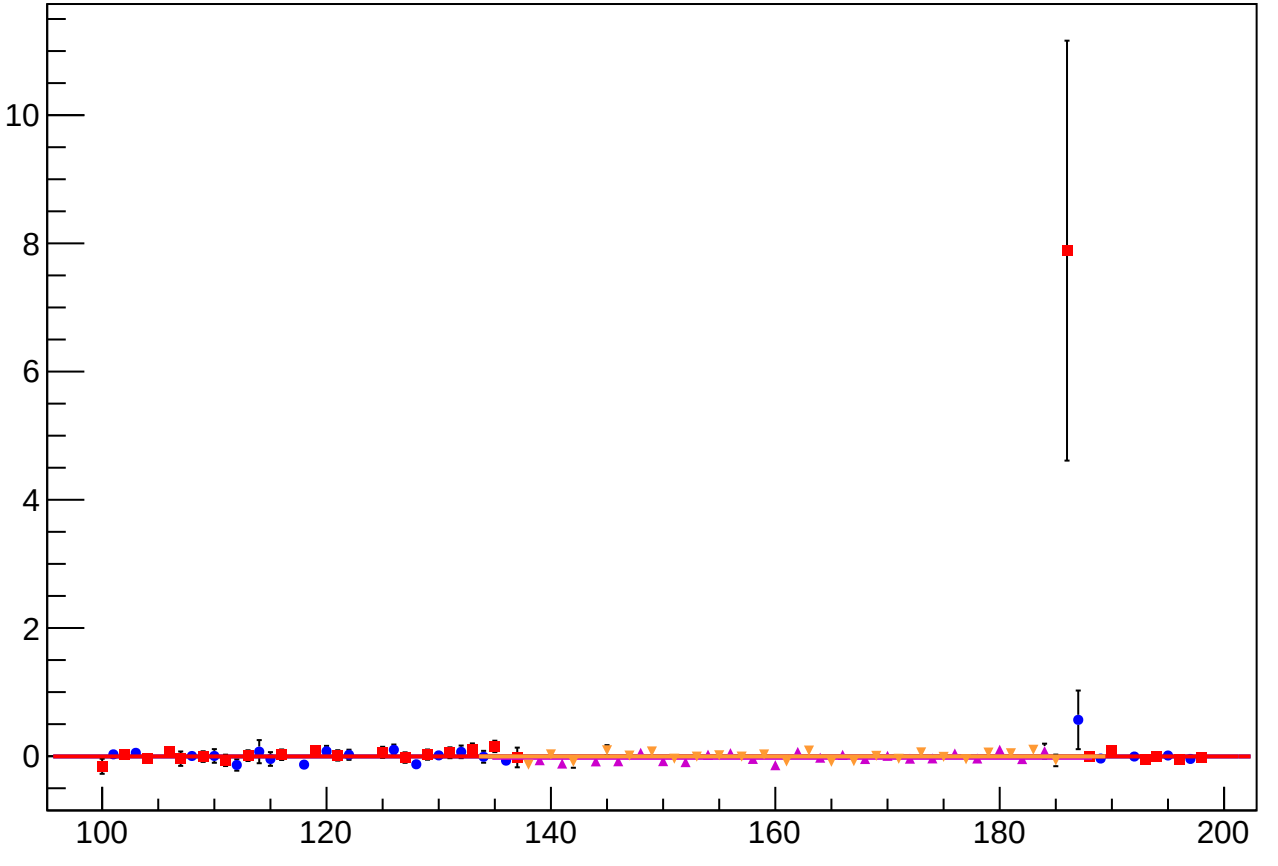
Right: 32.370+/-0.005 χ^2/NDF: 6057253.2/45

In: 42.034+/-0.006 χ^2/NDF:5428871.9/43

Out: 39.731+/-0.006 χ^2/NDF:7516799.2/48

All: 40.797+/-0.004 χ^2/NDF: 13026443.4/92

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.011 χ^2/NDF: 19.6/20

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

Right Out: -0.003+/-0.010 χ^2/NDF: 28.9/24

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

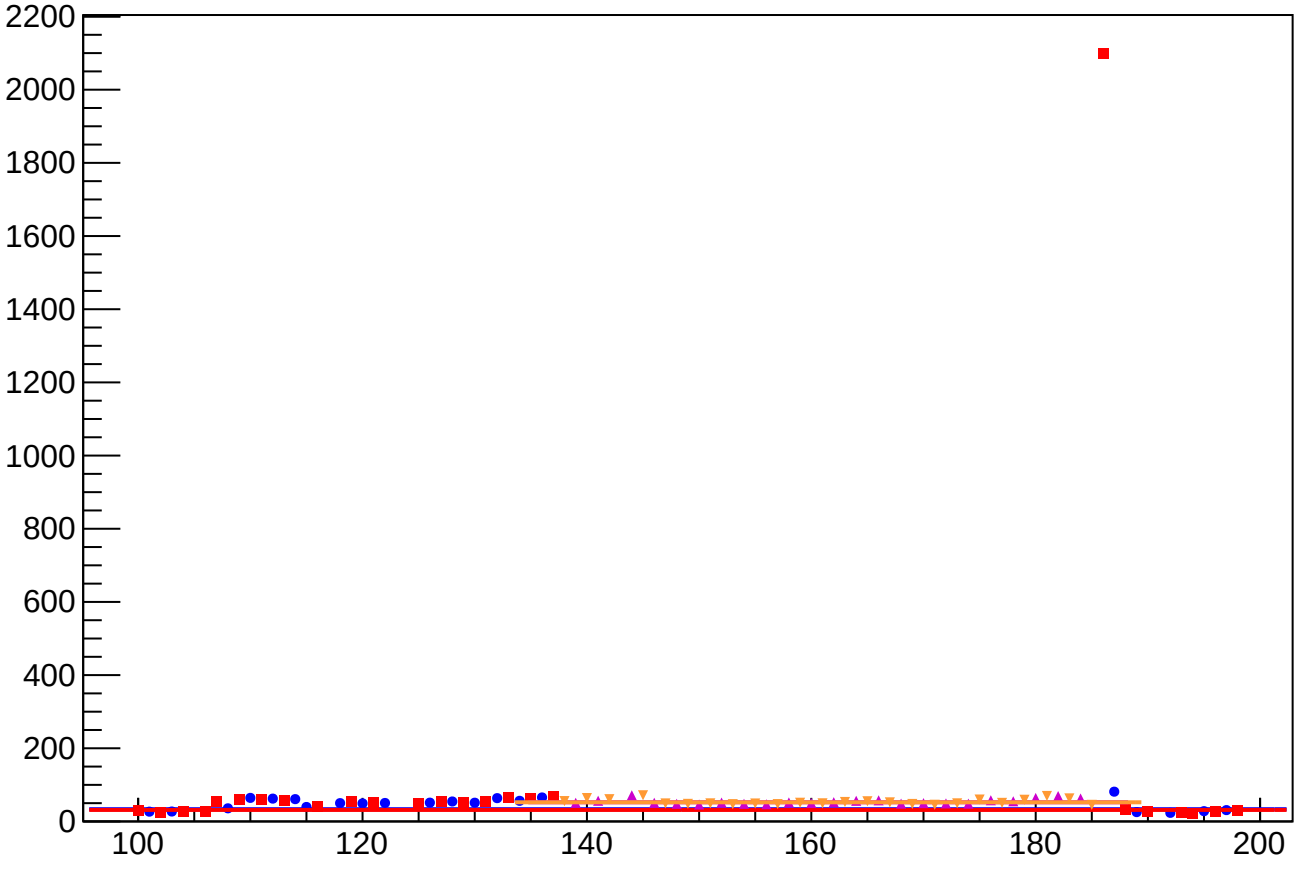
Right: -0.004+/-0.008 χ^2/NDF: 48.5/45

In: -0.014+/-0.008 χ^2/NDF:45.5/43

Out: -0.003+/-0.008 χ^2/NDF:52.0/48

All: -0.008+/-0.006 χ^2/NDF: 98.3/92

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.470+/-0.008 χ^2/NDF: 2445085.6/20

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

Right Out: 31.509+/-0.007 χ^2/NDF: 3578519.0/24

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

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

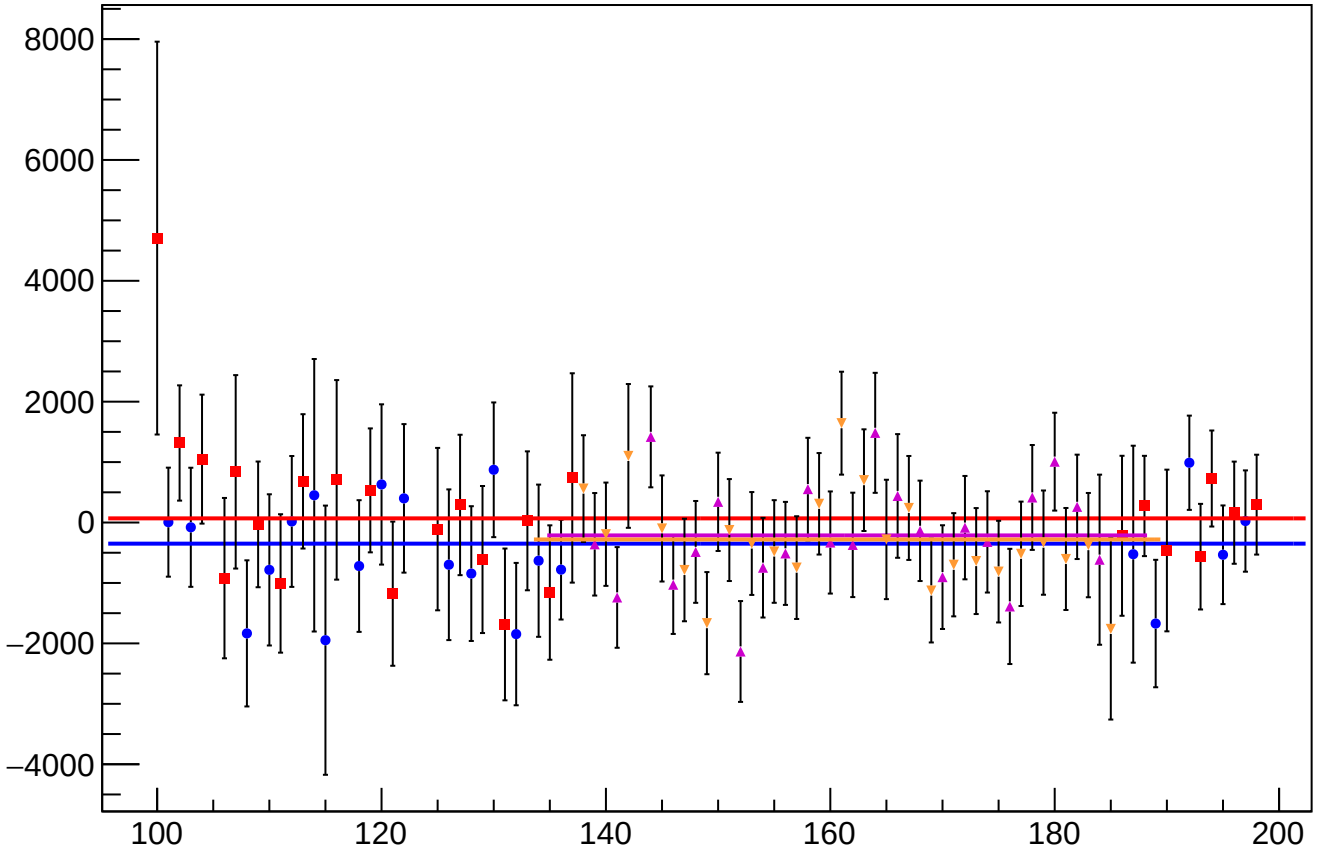
Right: 32.370+/-0.005 χ^2/NDF: 6057253.2/45

In: 42.034+/-0.006 χ^2/NDF:5428871.9/43

Out: 39.731+/-0.006 χ^2/NDF:7516799.2/48

All: 40.797+/-0.004 χ^2/NDF: 13026443.4/92

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -349.561+/-237.328 χ^2/NDF: 11.8/20

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

Right Out: 68.855+/-221.464 χ^2/NDF: 13.3/24

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

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

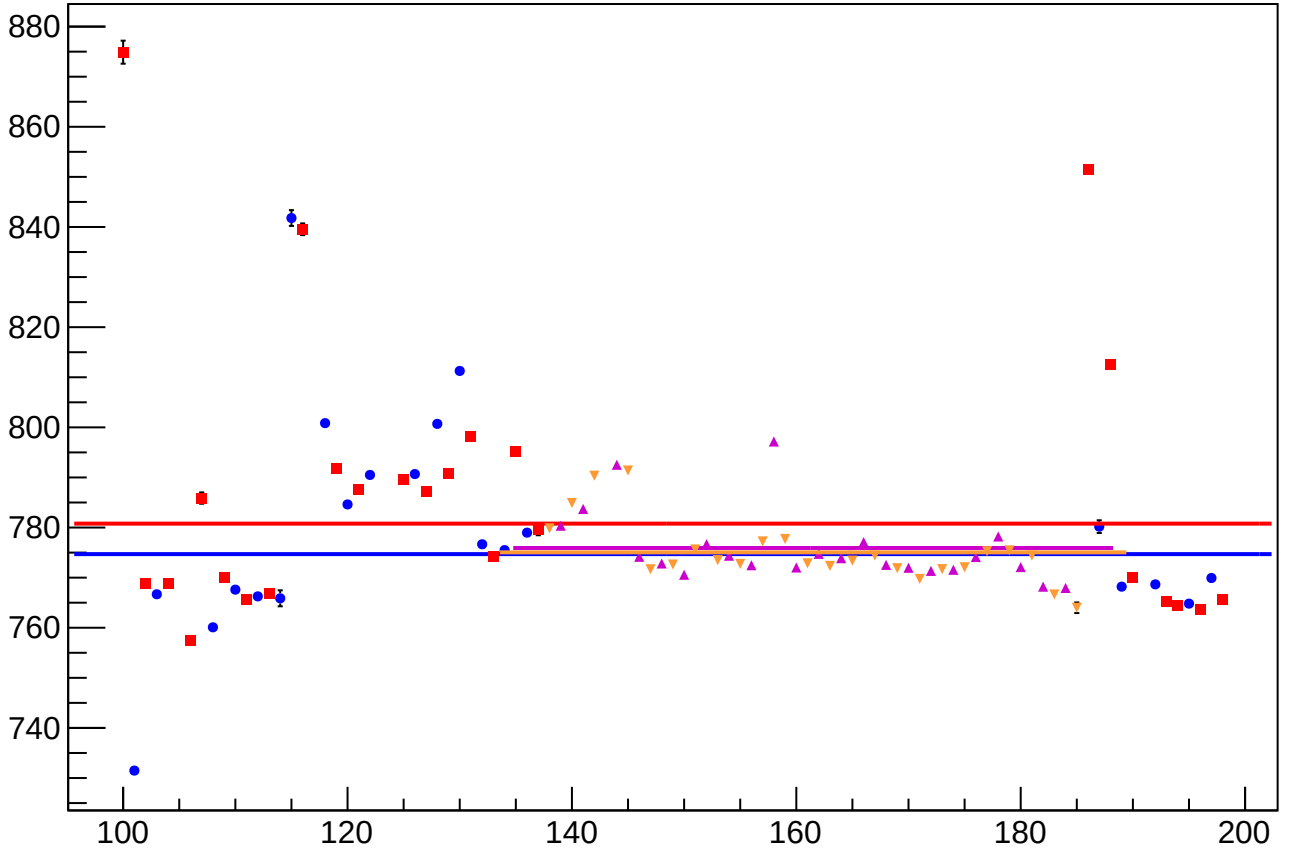
Right: -125.903+/-161.917 χ^2/NDF: 26.8/45

In: -263.547+/-144.005 χ^2/NDF:34.4/43

Out: -141.553+/-139.626 χ^2/NDF:30.8/48

All: -200.667+/-100.243 χ^2/NDF: 65.6/92

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 774.696+/-0.168 χ^2/NDF: 12840.1/20

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

Right Out: 780.784+/-0.157 χ^2/NDF: 19418.3/24

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

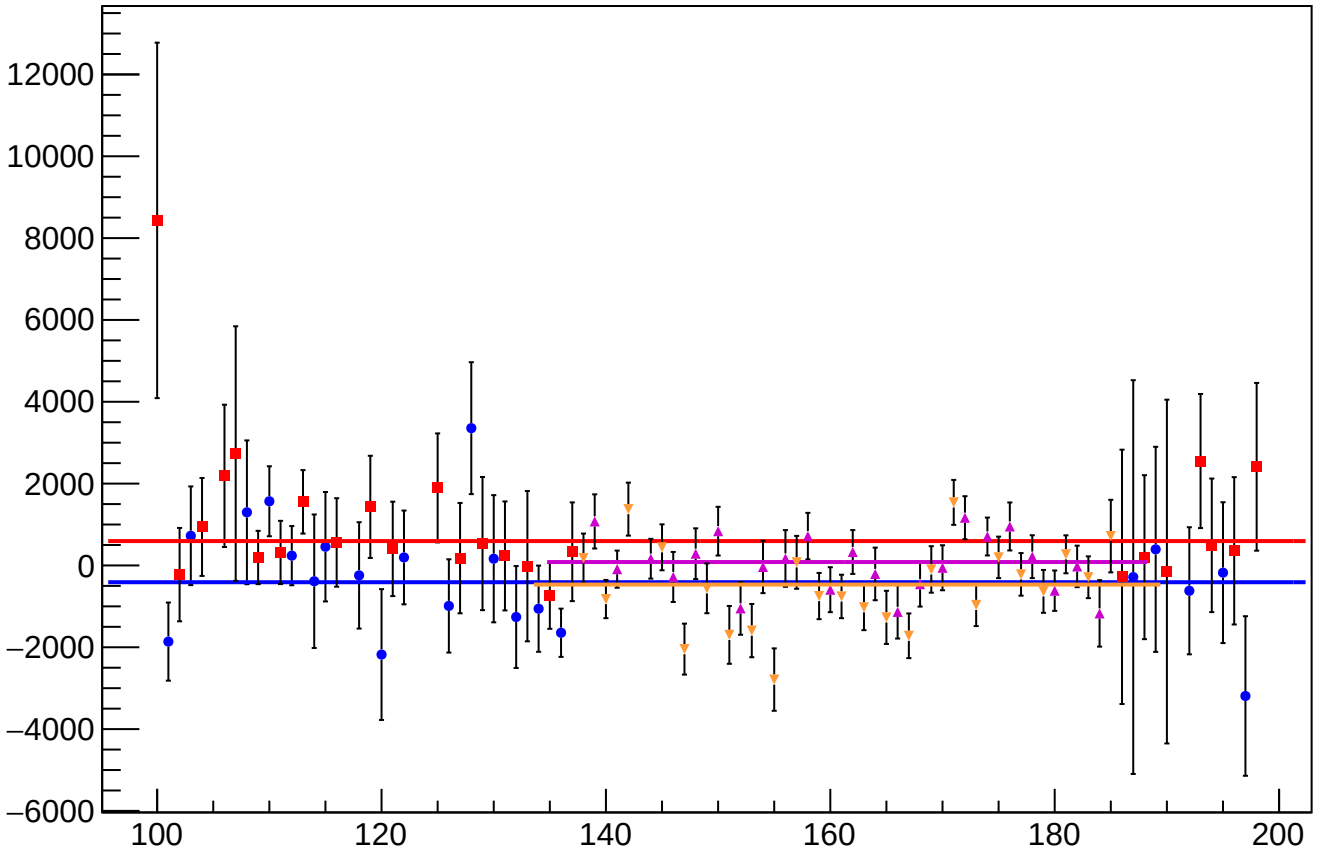
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 777.950+/-0.114 χ^2/NDF: 32962.1/45

In: 775.470+/-0.102 χ^2/NDF:15846.8/43

Out: 777.329+/-0.099 χ^2/NDF:22177.6/48

All: 776.428+/-0.071 χ^2/NDF: 38196.1/92



Right In: -410.097+/-255.849 χ^2/NDF: 25.5/20

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

Right Out: 595.385+/-248.673 χ^2/NDF: 14.1/24

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

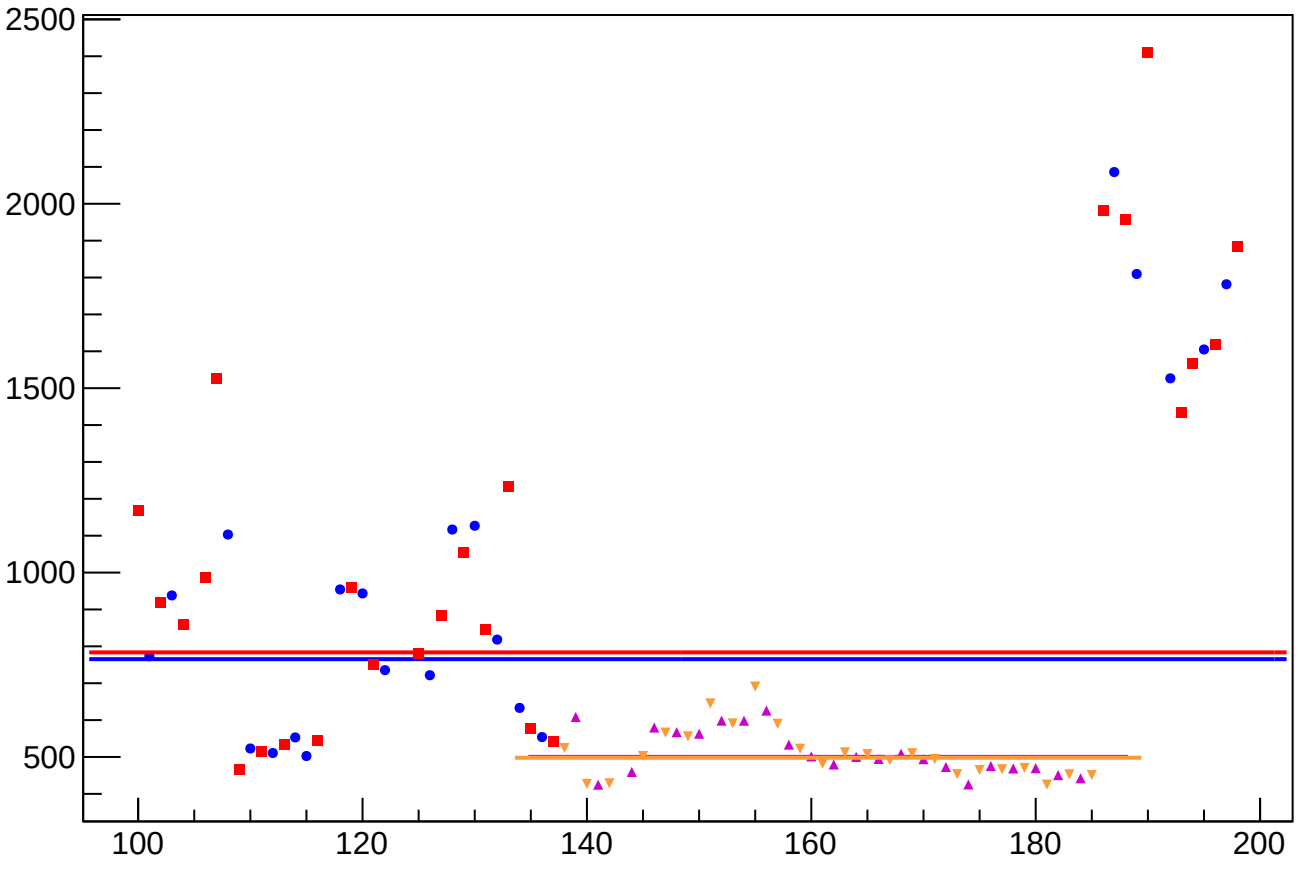
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 106.943+/-178.321 χ^2/NDF: 47.5/45

In: -3.131+/-107.009 χ^2/NDF:56.7/43

Out: -275.346+/-105.654 χ^2/NDF:93.5/48

All: -140.972+/-75.183 χ^2/NDF: 153.4/92



Right In: 765.236+/-0.181 χ^2/NDF: 3199301.2/20

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

Right Out: 783.576+/-0.176 χ^2/NDF: 4718923.7/24

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

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

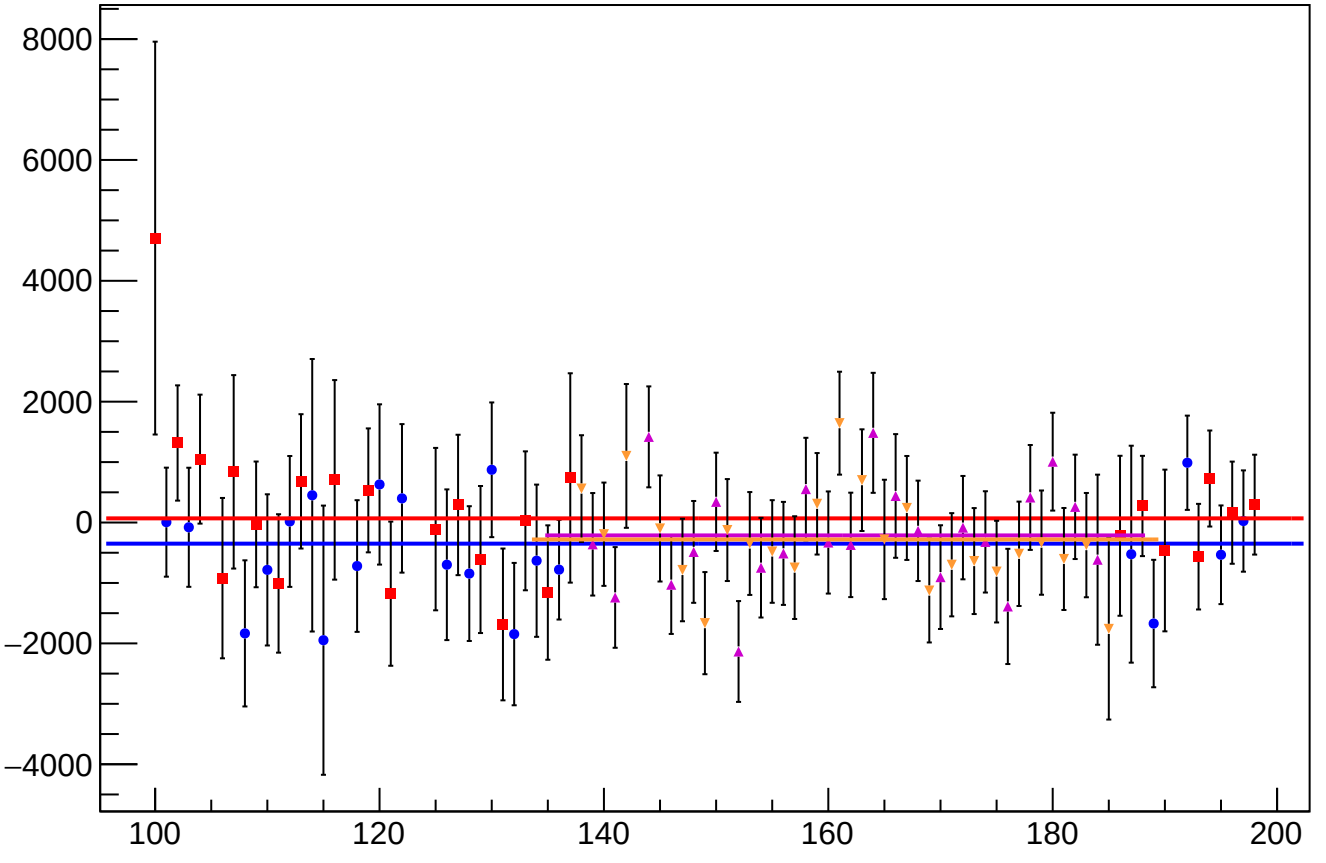
Right: 774.667+/-0.126 χ^2/NDF: 7923509.2/45

In: 546.651+/-0.076 χ^2/NDF:5446028.4/43

Out: 549.523+/-0.075 χ^2/NDF:7407932.8/48

All: 548.106+/-0.053 χ^2/NDF: 12854690.5/92

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -349.561+/-237.328 χ^2/NDF: 11.8/20

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

Right Out: 68.855+/-221.464 χ^2/NDF: 13.3/24

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

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

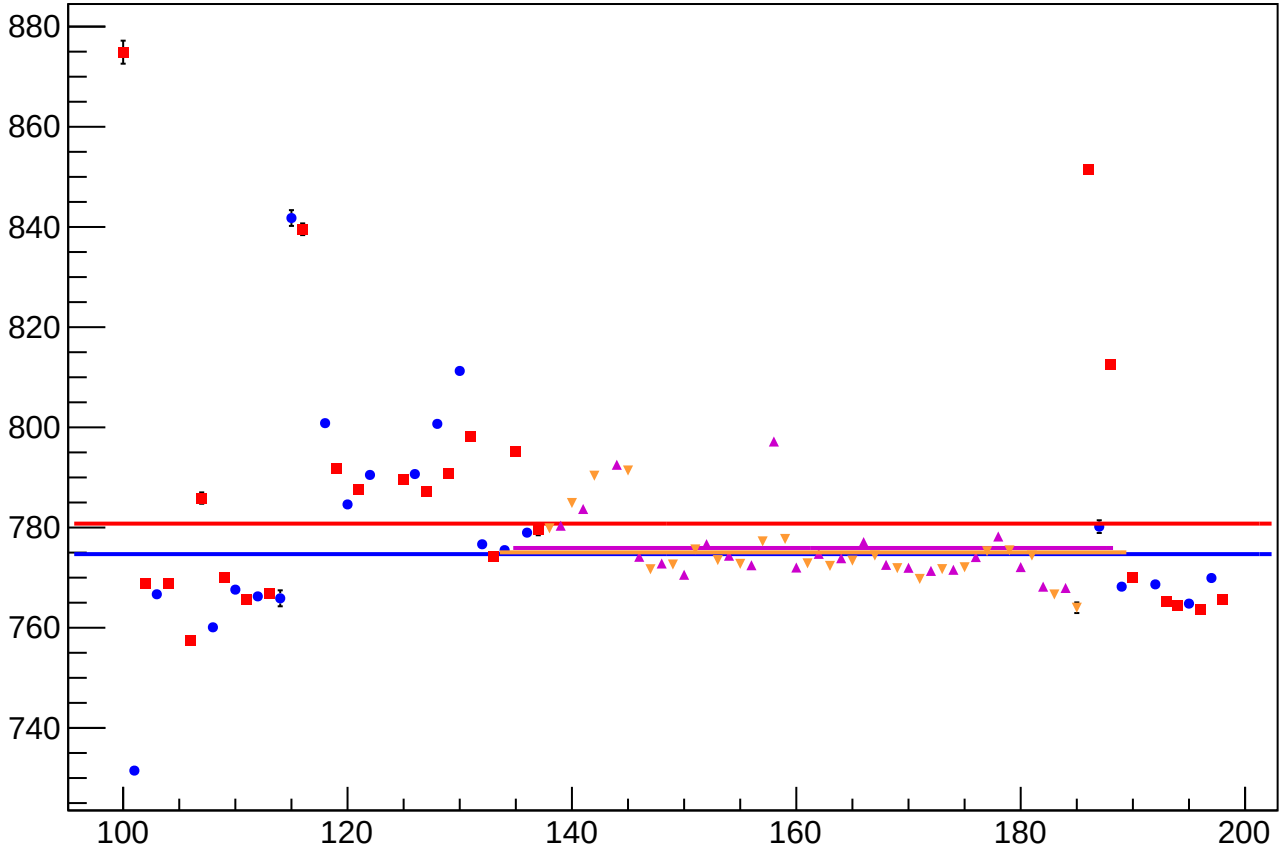
Right: -125.903+/-161.917 χ^2/NDF: 26.8/45

In: -263.547+/-144.005 χ^2/NDF:34.4/43

Out: -141.553+/-139.626 χ^2/NDF:30.8/48

All: -200.667+/-100.243 χ^2/NDF: 65.6/92

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 774.696+/-0.168 χ^2/NDF: 12840.1/20

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

Right Out: 780.784+/-0.157 χ^2/NDF: 19418.3/24

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

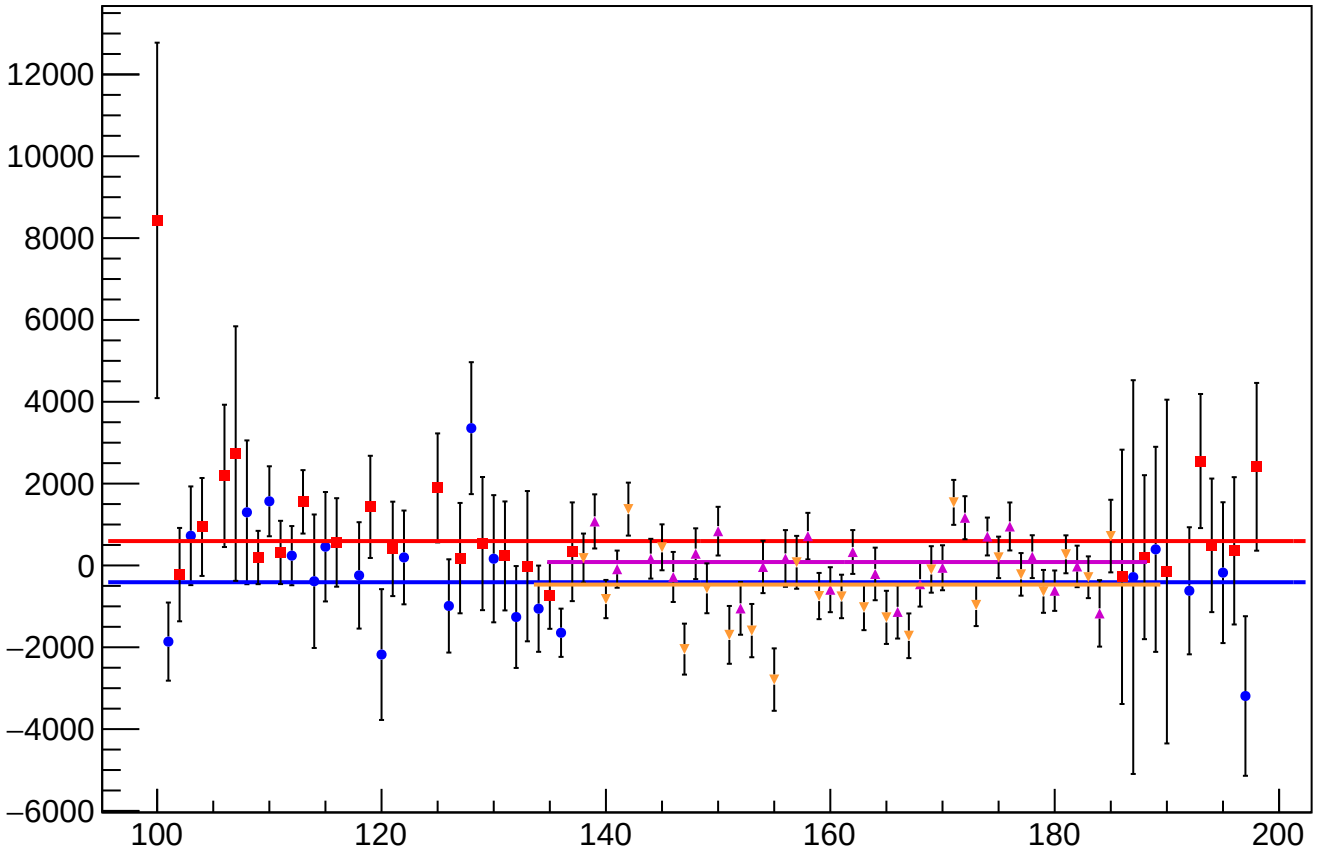
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 777.950+/-0.114 χ^2/NDF: 32962.1/45

In: 775.470+/-0.102 χ^2/NDF:15846.8/43

Out: 777.329+/-0.099 χ^2/NDF:22177.6/48

All: 776.428+/-0.071 χ^2/NDF: 38196.1/92



Right In: -410.097+/-255.849 χ^2/NDF: 25.5/20

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

Right Out: 595.385+/-248.673 χ^2/NDF: 14.1/24

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

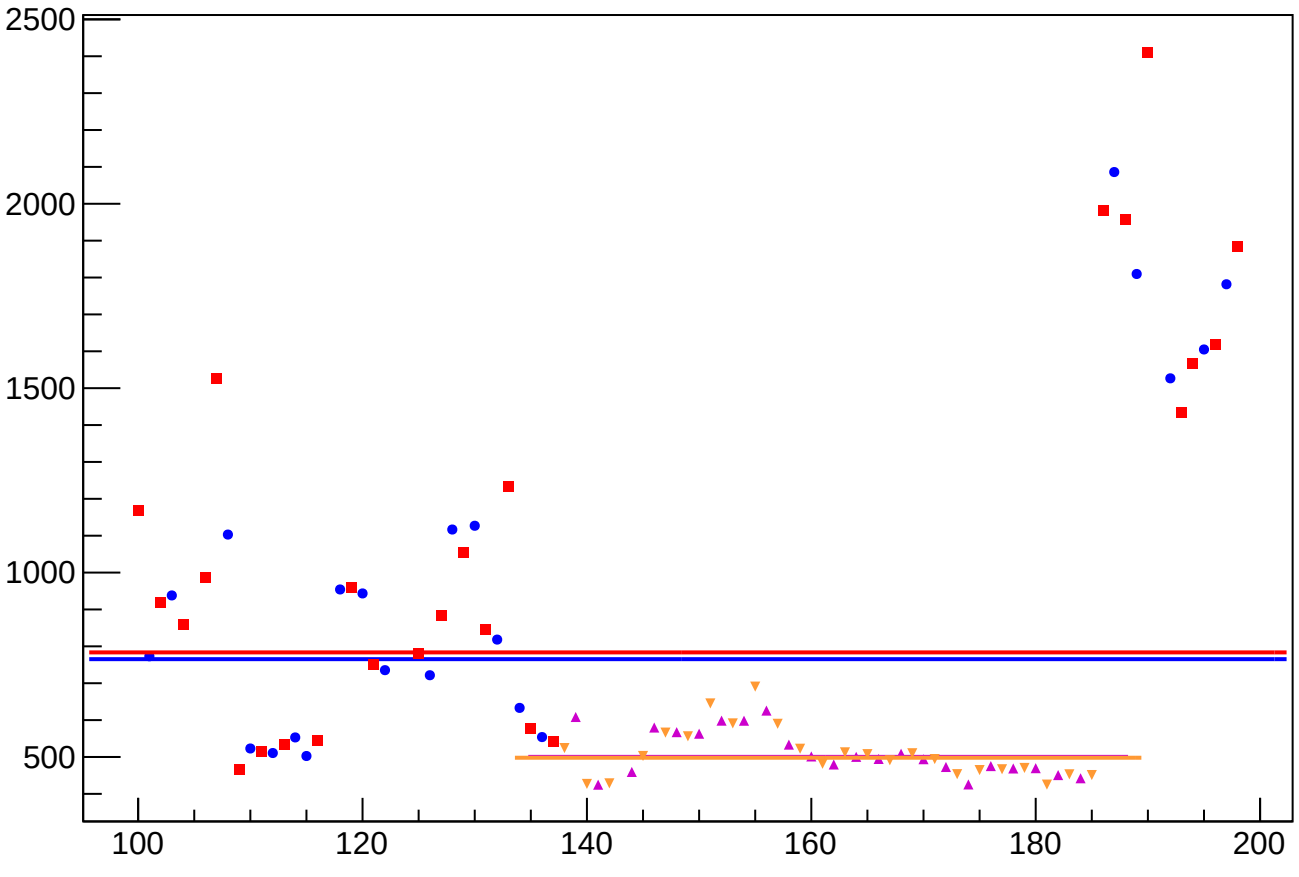
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 106.943+/-178.321 χ^2/NDF: 47.5/45

In: -3.131+/-107.009 χ^2/NDF:56.7/43

Out: -275.346+/-105.654 χ^2/NDF:93.5/48

All: -140.972+/-75.183 χ^2/NDF: 153.4/92



Right In: 765.236+/-0.181 χ^2/NDF: 3199301.2/20

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

Right Out: 783.576+/-0.176 χ^2/NDF: 4718923.7/24

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

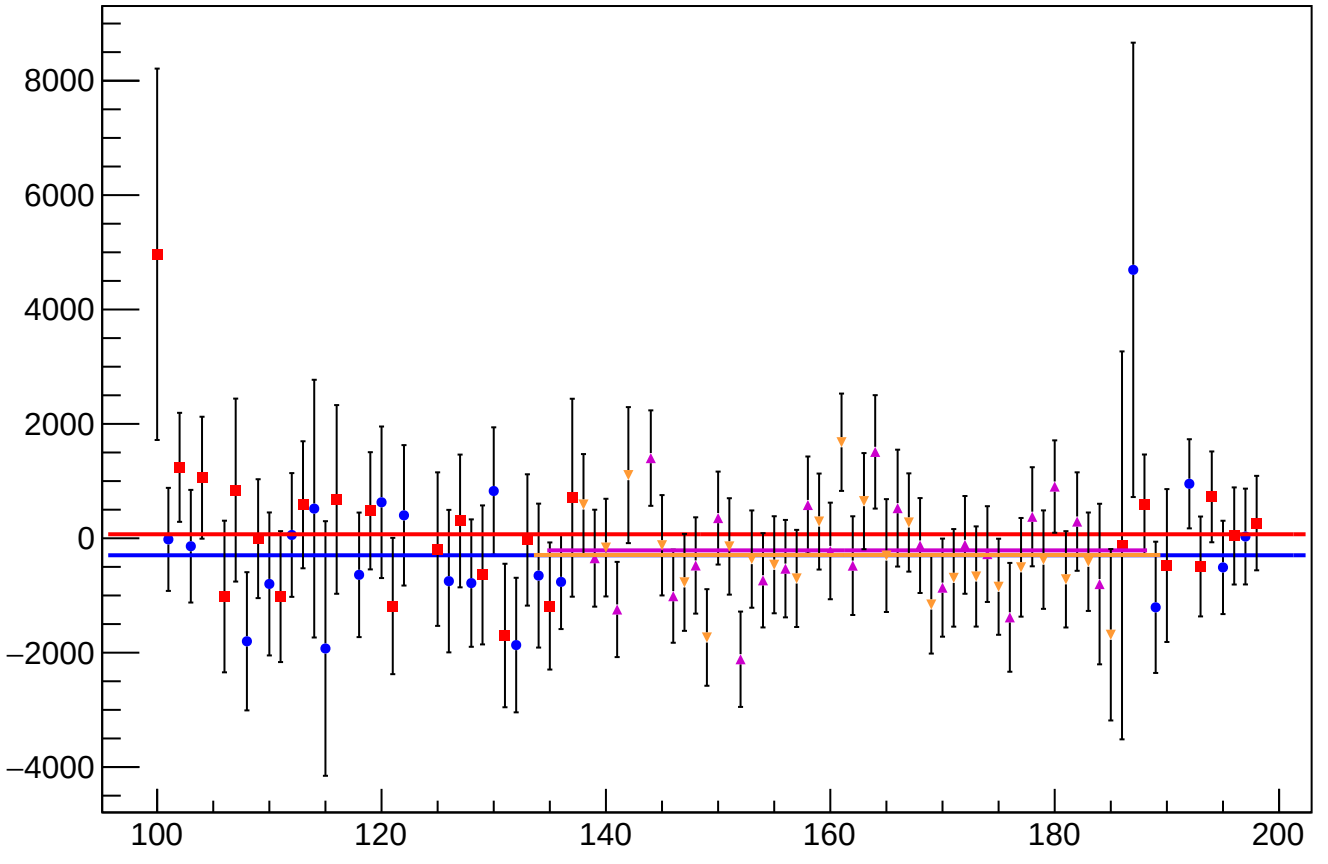
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

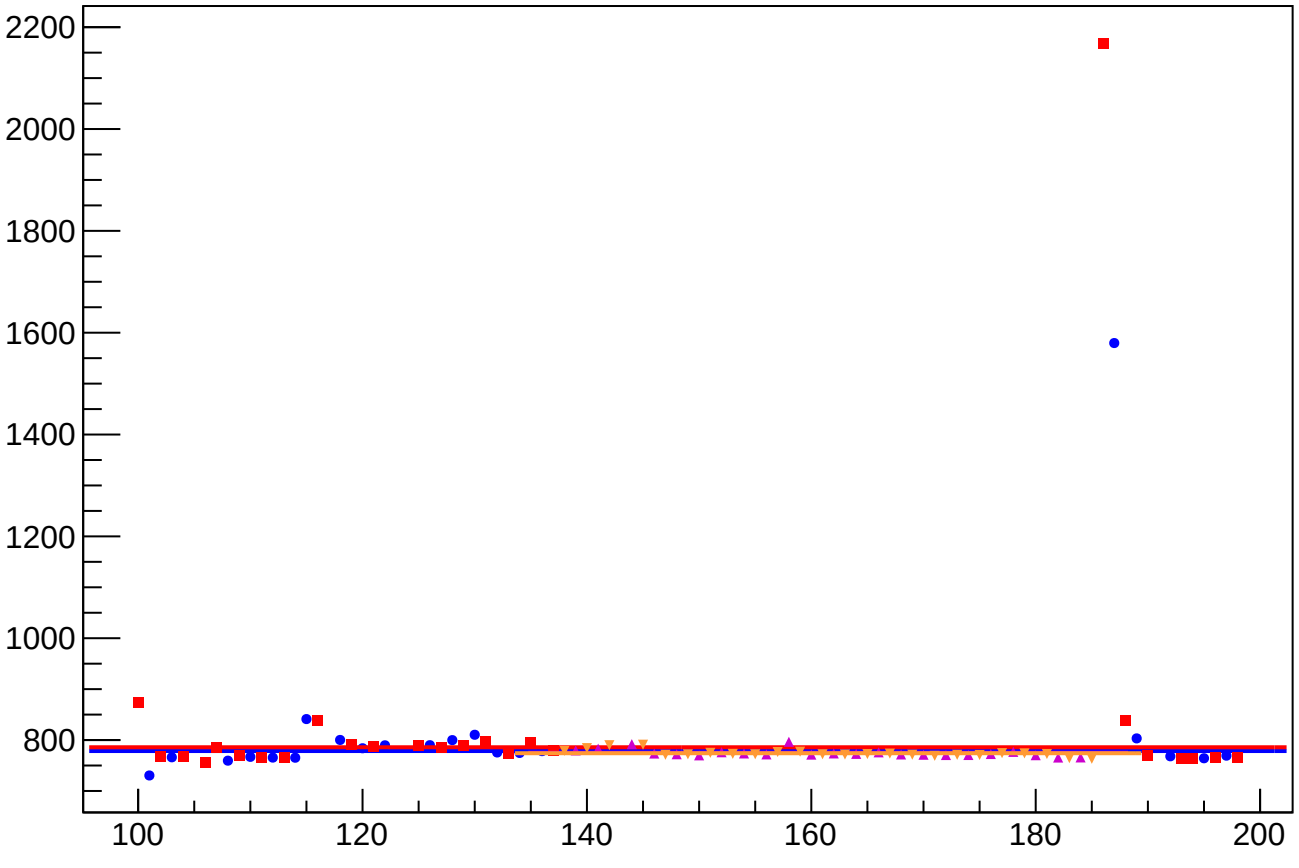
Right: 774.667+/-0.126 χ^2/NDF: 7923509.2/45

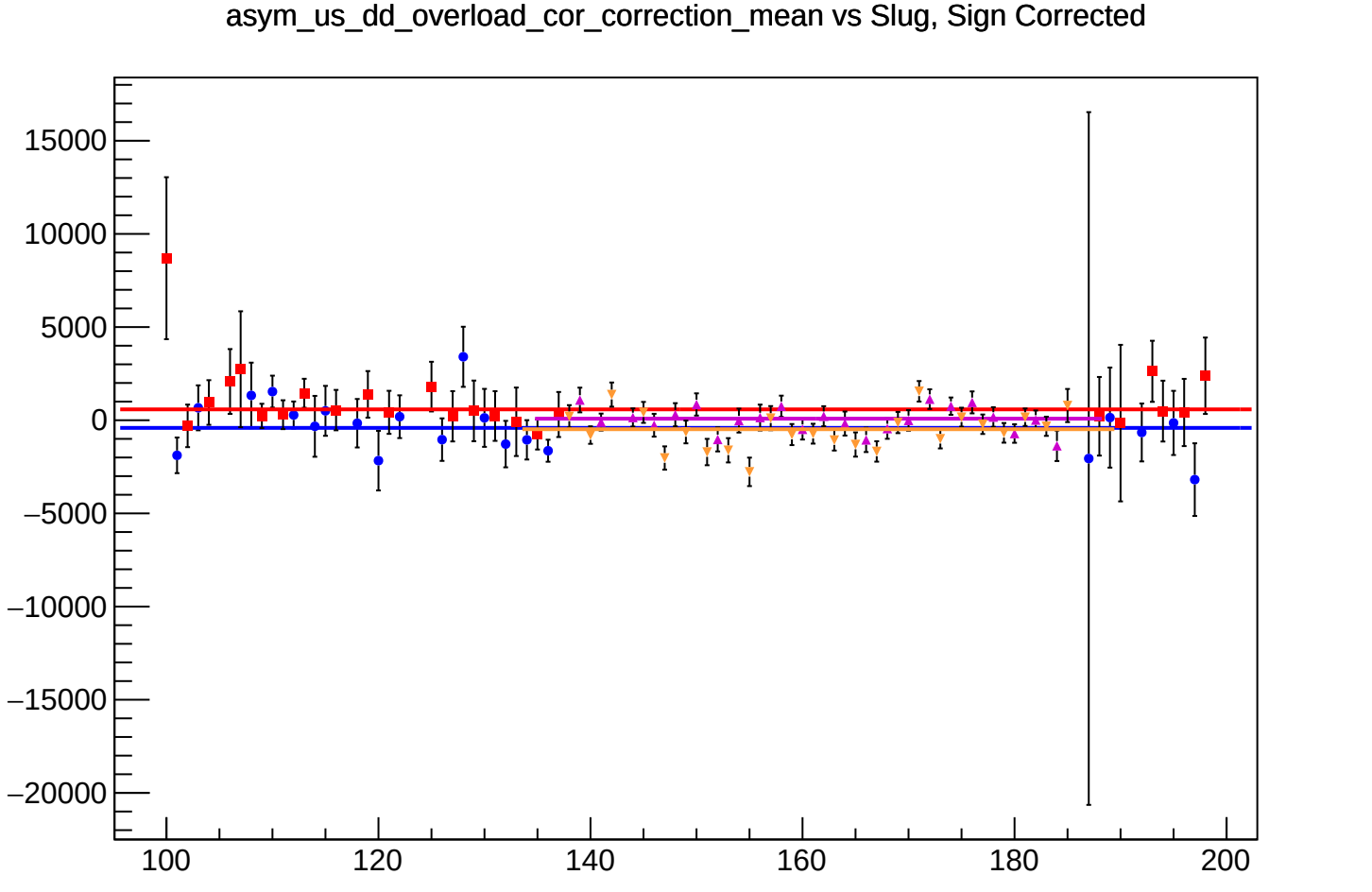
In: 546.651+/-0.076 χ^2/NDF:5446028.4/43

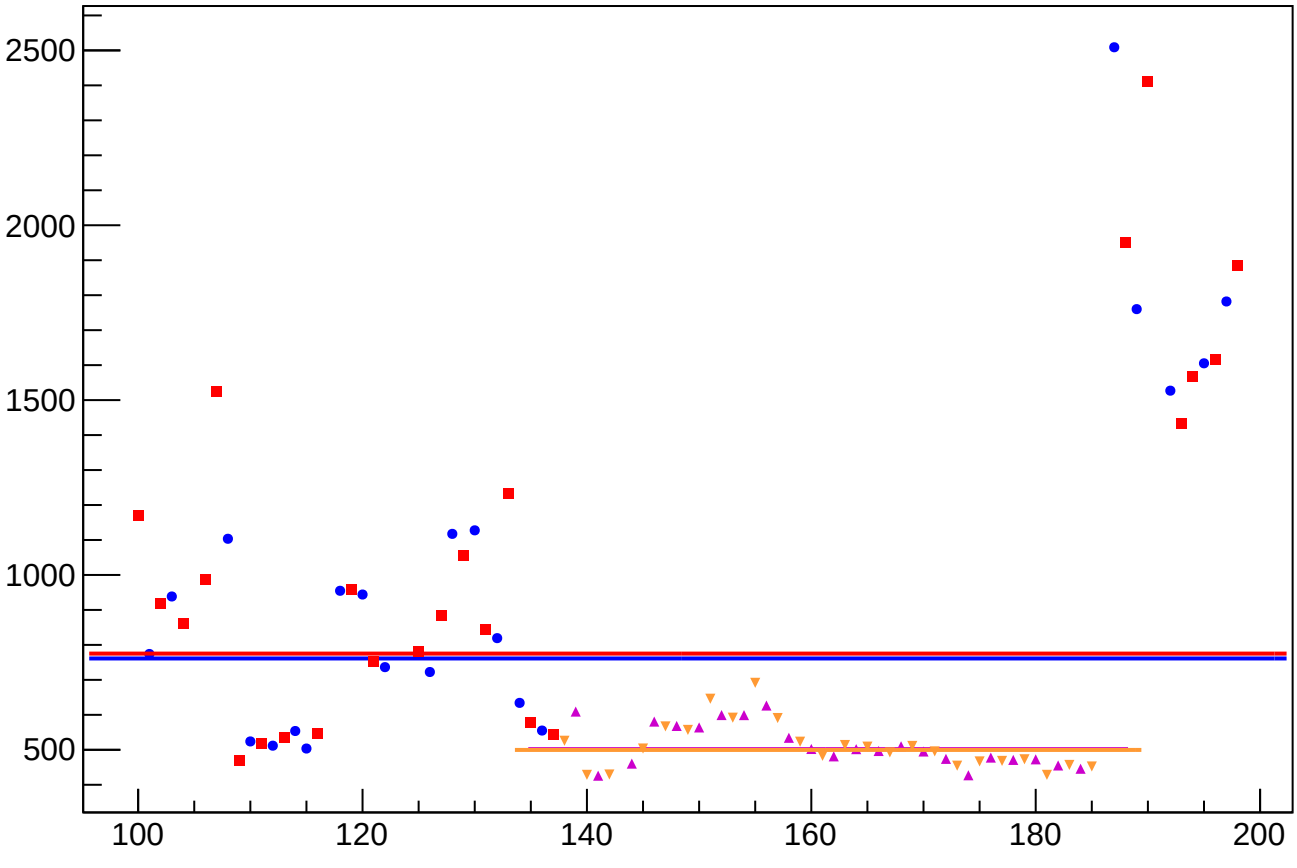
Out: 549.523+/-0.075 χ^2/NDF:7407932.8/48

All: 548.106+/-0.053 χ^2/NDF: 12854690.5/92


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: -296.962+/-239.747 χ²/NDF: 12.0/20
Left Out: -292.036+/-179.670 χ²/NDF:16.6/23
Right Out: 70.251+/-224.846 χ²/NDF: 13.6/24
Left In: -211.238+/-180.951 χ²/NDF:22.1/22
Left: -251.924+/-127.496 χ²/NDF: 38.8/46
Right: -101.590+/-164.005 χ²/NDF: 26.9/45
In: -242.349+/-144.430 χ²/NDF:34.2/43
Out: -150.854+/-140.362 χ²/NDF:31.8/48
All: -195.295+/-100.658 χ²/NDF: 66.2/92


overload_cor_asym_us_dd_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
200
Right In: 778.439+/-0.170 χ²/NDF: 95683.2/20
Left Out: 774.142+/-0.127 χ²/NDF:2060.4/23
Right Out: 785.836+/-0.159 χ²/NDF: 352721.1/24
Left In: 774.990+/-0.128 χ²/NDF:3148.2/22
Left: 774.563+/-0.090 χ²/NDF: 5230.7/46
Right: 782.374+/-0.116 χ²/NDF: 449417.5/45
In: 776.241+/-0.102 χ²/NDF:99095.1/43
Out: 778.699+/-0.099 χ²/NDF:358083.5/48
All: 777.505+/-0.071 χ²/NDF: 457476.5/92


asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: -410.627+/-256.708 χ²/NDF: 25.5/20
Left Out: -481.314+/-117.092 χ²/NDF:63.5/23
Right Out: 583.107+/-250.014 χ²/NDF: 13.9/23
Left In: 83.196+/-118.194 χ²/NDF:28.2/22
Left: -201.704+/-83.183 χ²/NDF: 103.3/46
Right: 99.365+/-179.106 χ²/NDF: 47.1/44
In: -3.178+/-107.361 χ²/NDF:56.8/43
Out: -289.839+/-106.038 χ²/NDF:92.2/47
All: -148.285+/-75.444 χ²/NDF: 152.7/91



Right In: 761.175+/-0.182 χ^2/NDF: 2984198.7/20

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

Right Out: 775.135+/-0.177 χ^2/NDF: 4326620.5/23

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

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

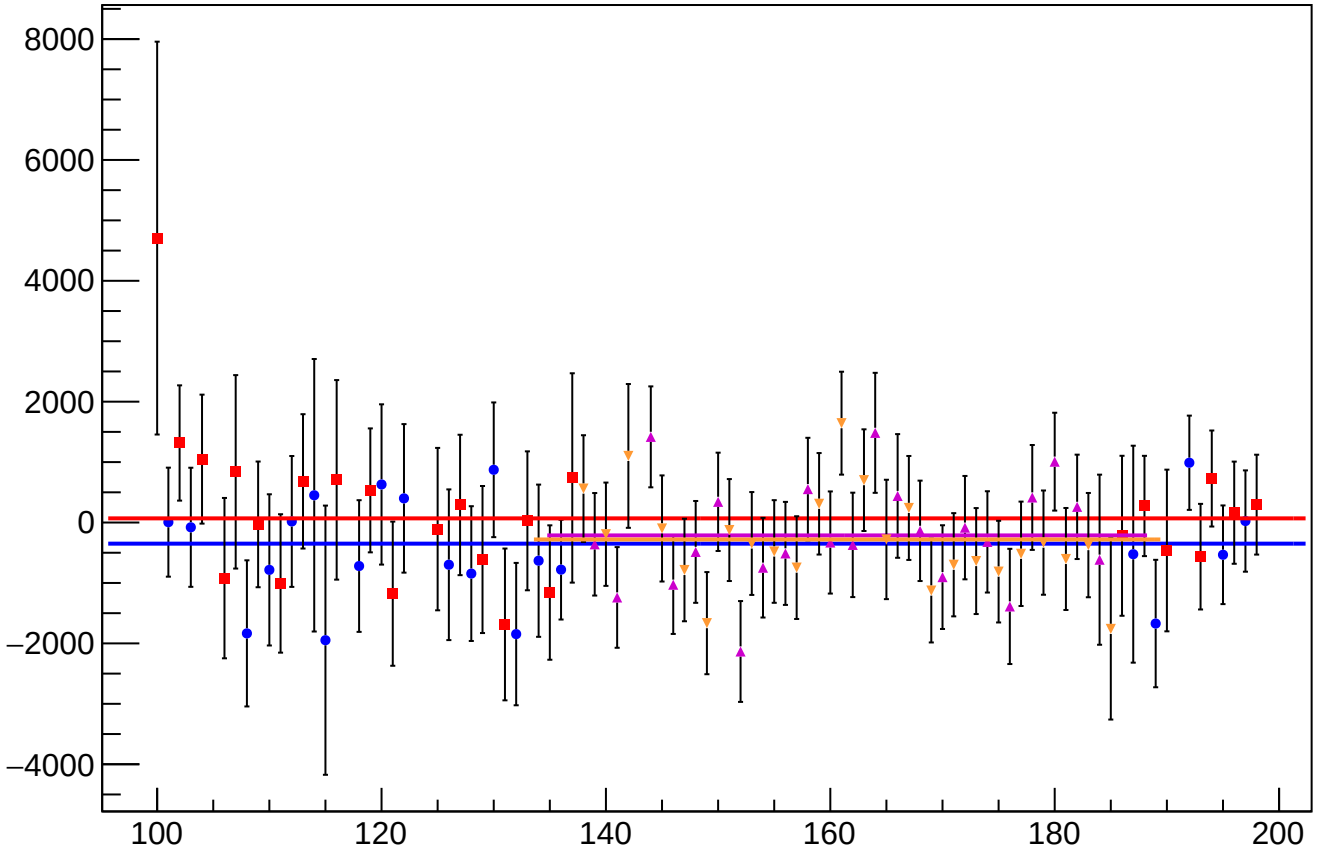
Right: 768.339+/-0.127 χ^2/NDF: 7313854.7/44

In: 547.354+/-0.076 χ^2/NDF:5133357.0/43

Out: 549.222+/-0.075 χ^2/NDF:6834105.4/47

All: 548.300+/-0.053 χ^2/NDF: 11967769.0/91

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -349.561+/-237.328 χ^2/NDF: 11.8/20

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

Right Out: 68.855+/-221.464 χ^2/NDF: 13.3/24

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

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

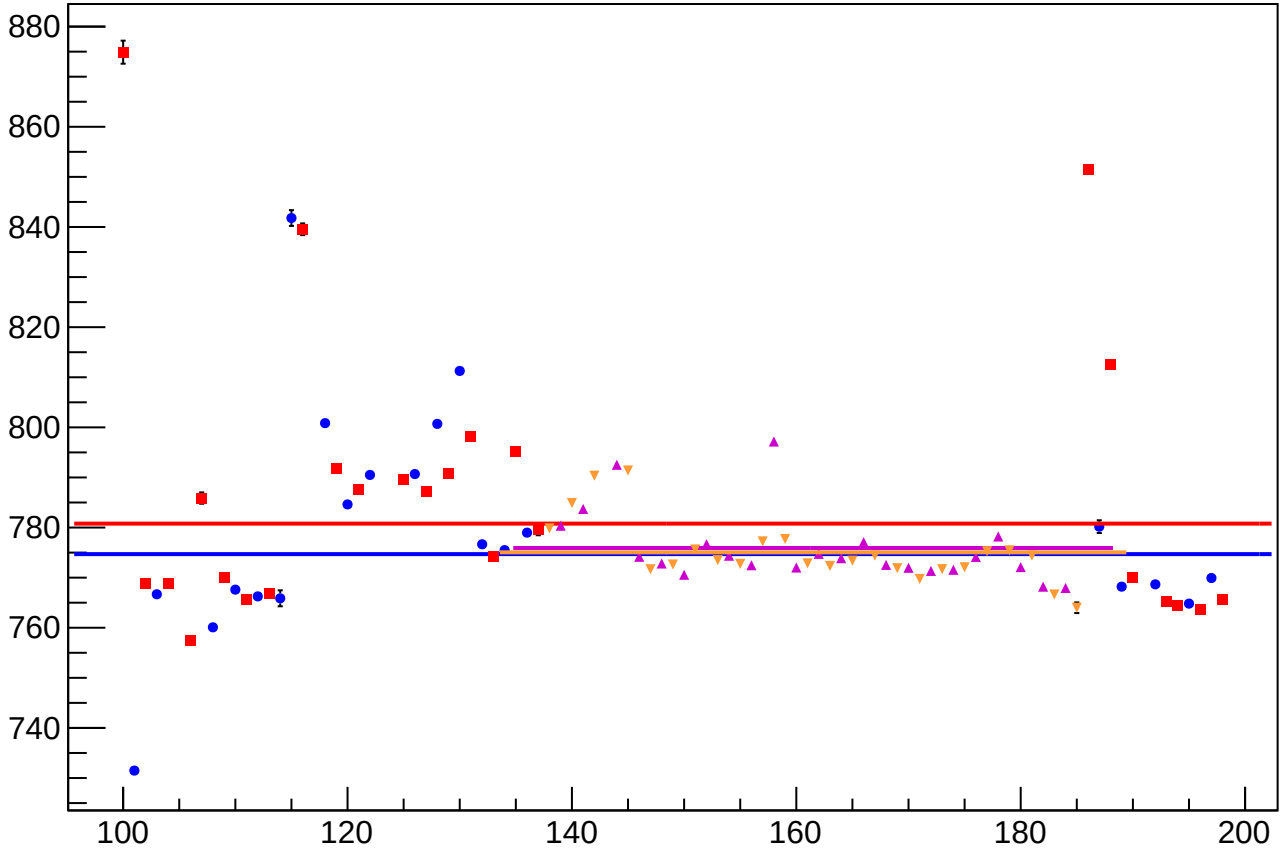
Right: -125.903+/-161.917 χ^2/NDF: 26.8/45

In: -263.547+/-144.005 χ^2/NDF:34.4/43

Out: -141.553+/-139.626 χ^2/NDF:30.8/48

All: -200.667+/-100.243 χ^2/NDF: 65.6/92

eigen_cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 774.696+/-0.168 χ^2/NDF: 12840.1/20

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

Right Out: 780.784+/-0.157 χ^2/NDF: 19418.3/24

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

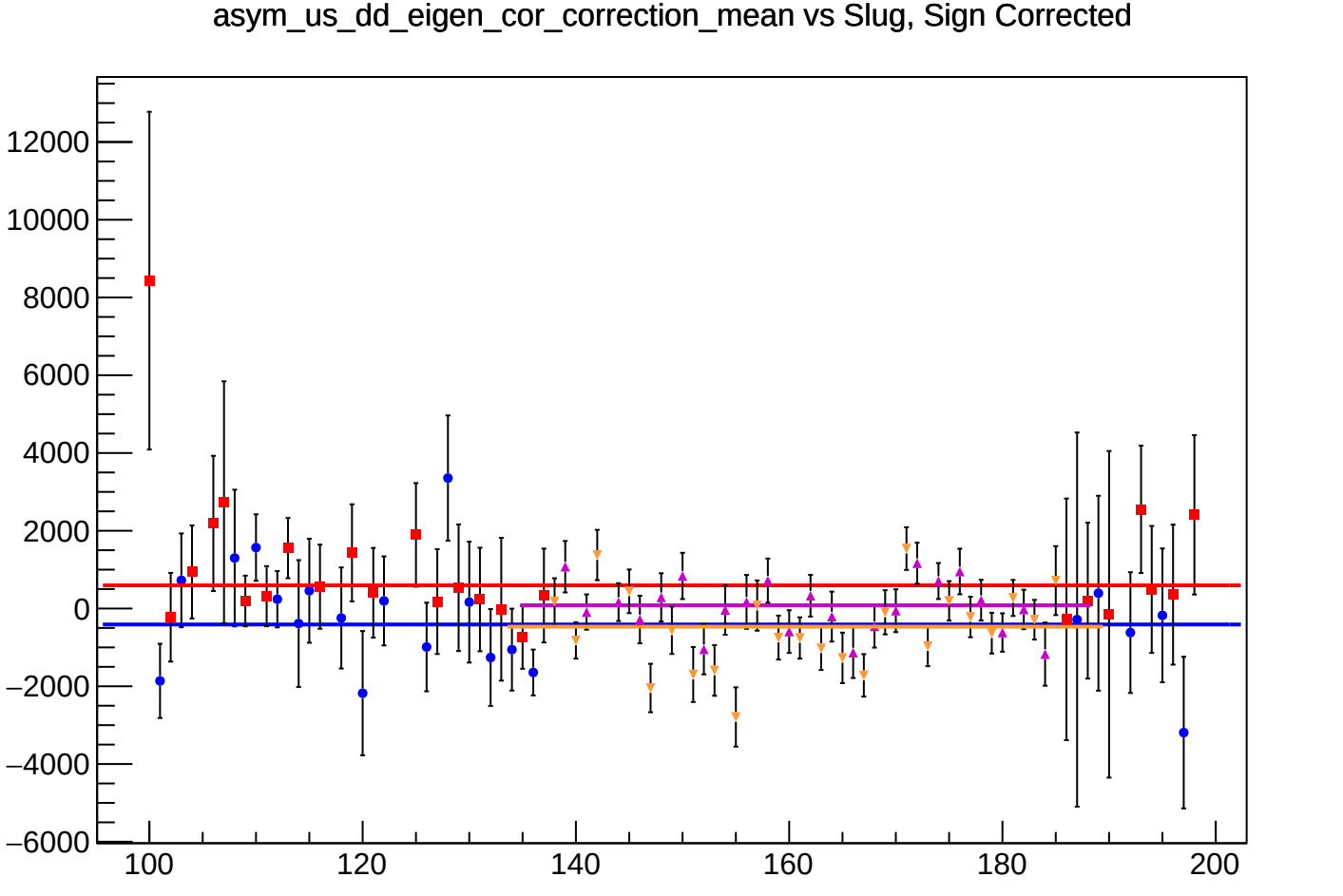
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

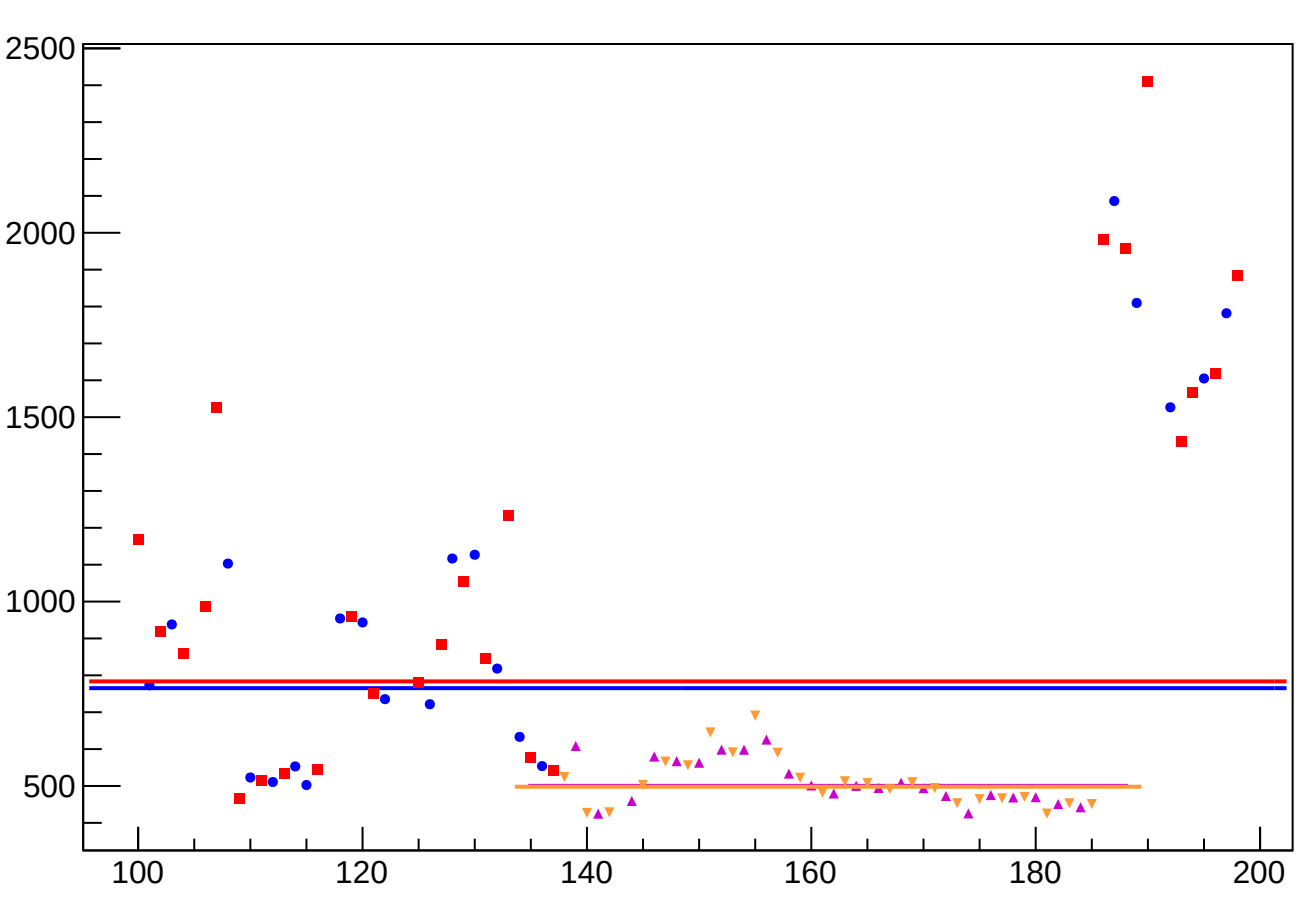
Right: 777.950+/-0.114 χ^2/NDF: 32962.1/45

In: 775.470+/-0.102 χ^2/NDF:15846.8/43

Out: 777.329+/-0.099 χ^2/NDF:22177.6/48

All: 776.428+/-0.071 χ^2/NDF: 38196.1/92


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: -410.097+/-255.849 χ²/NDF: 25.5/20
Left Out: -467.151+/-116.712 χ²/NDF:64.4/23
Right Out: 595.385+/-248.673 χ²/NDF: 14.1/24
Left In: 83.154+/-117.808 χ²/NDF:28.1/22
Left: -194.569+/-82.913 χ²/NDF: 103.6/46
Right: 106.943+/-178.321 χ²/NDF: 47.5/45
In: -3.131+/-107.009 χ²/NDF:56.7/43
Out: -275.346+/-105.654 χ²/NDF:93.5/48
All: -140.972+/-75.183 χ²/NDF: 153.4/92



Right In: 765.236+/-0.181 χ^2/NDF: 3199301.2/20

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

Right Out: 783.576+/-0.176 χ^2/NDF: 4718923.7/24

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

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

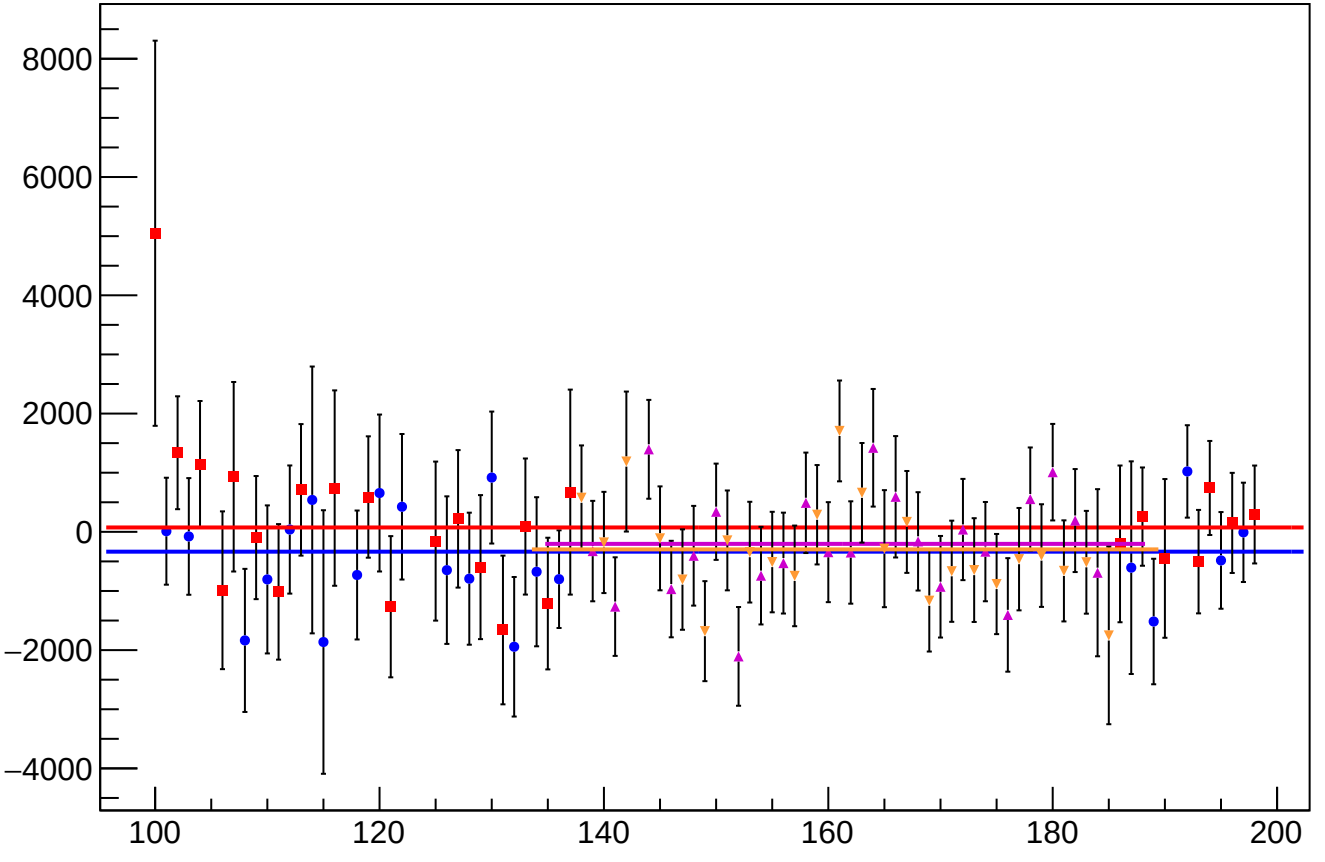
Right: 774.667+/-0.126 χ^2/NDF: 7923509.2/45

In: 546.651+/-0.076 χ^2/NDF:5446028.4/43

Out: 549.523+/-0.075 χ^2/NDF:7407932.8/48

All: 548.106+/-0.053 χ^2/NDF: 12854690.5/92

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -335.250+/-237.677 χ^2/NDF: 11.9/20

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

Right Out: 74.086+/-221.725 χ^2/NDF: 14.1/24

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

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

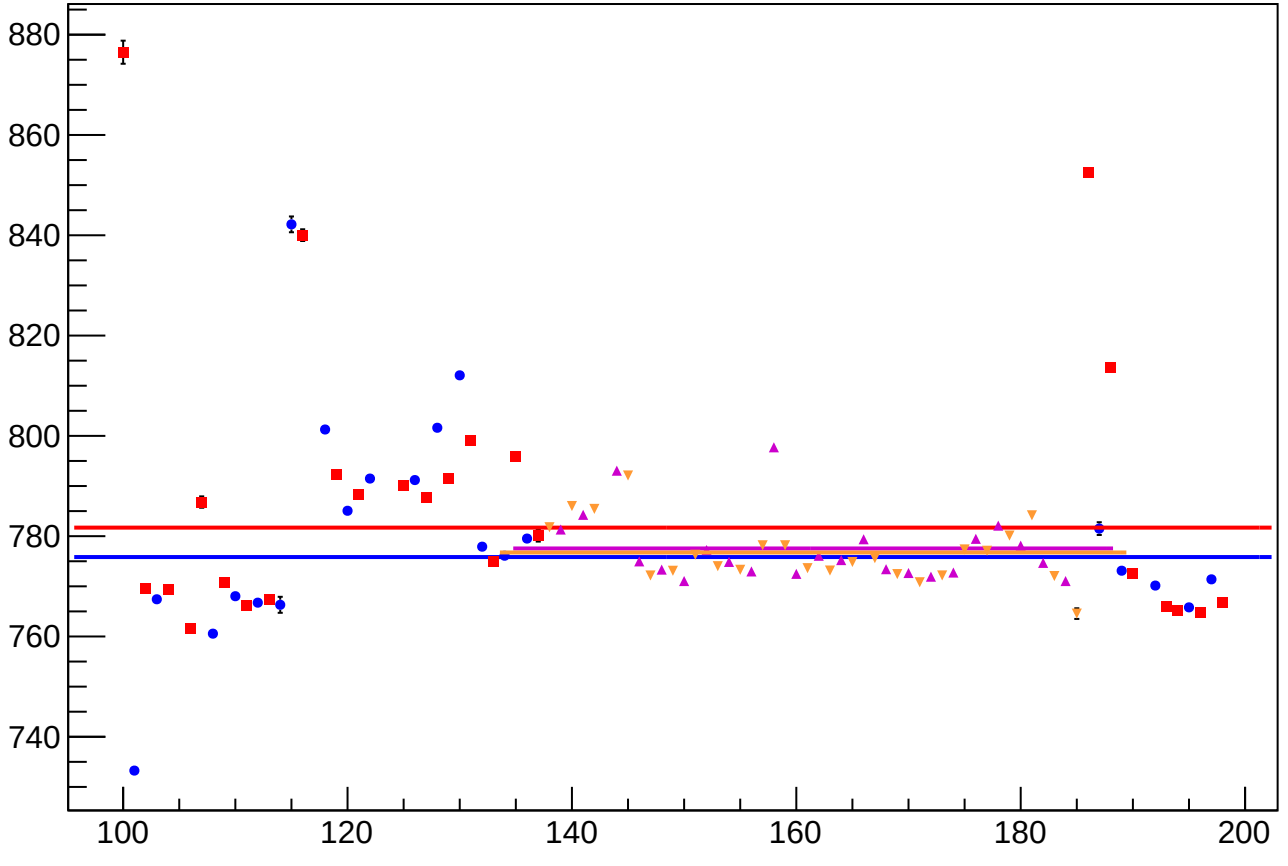
Right: -116.386+/-162.129 χ^2/NDF: 27.6/45

In: -251.944+/-144.274 χ^2/NDF:34.2/43

Out: -149.173+/-139.878 χ^2/NDF:32.5/48

All: -198.969+/-100.427 χ^2/NDF: 67.0/92

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 775.838+/-0.168 χ^2/NDF: 12455.2/20

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

Right Out: 781.707+/-0.157 χ^2/NDF: 19211.8/24

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

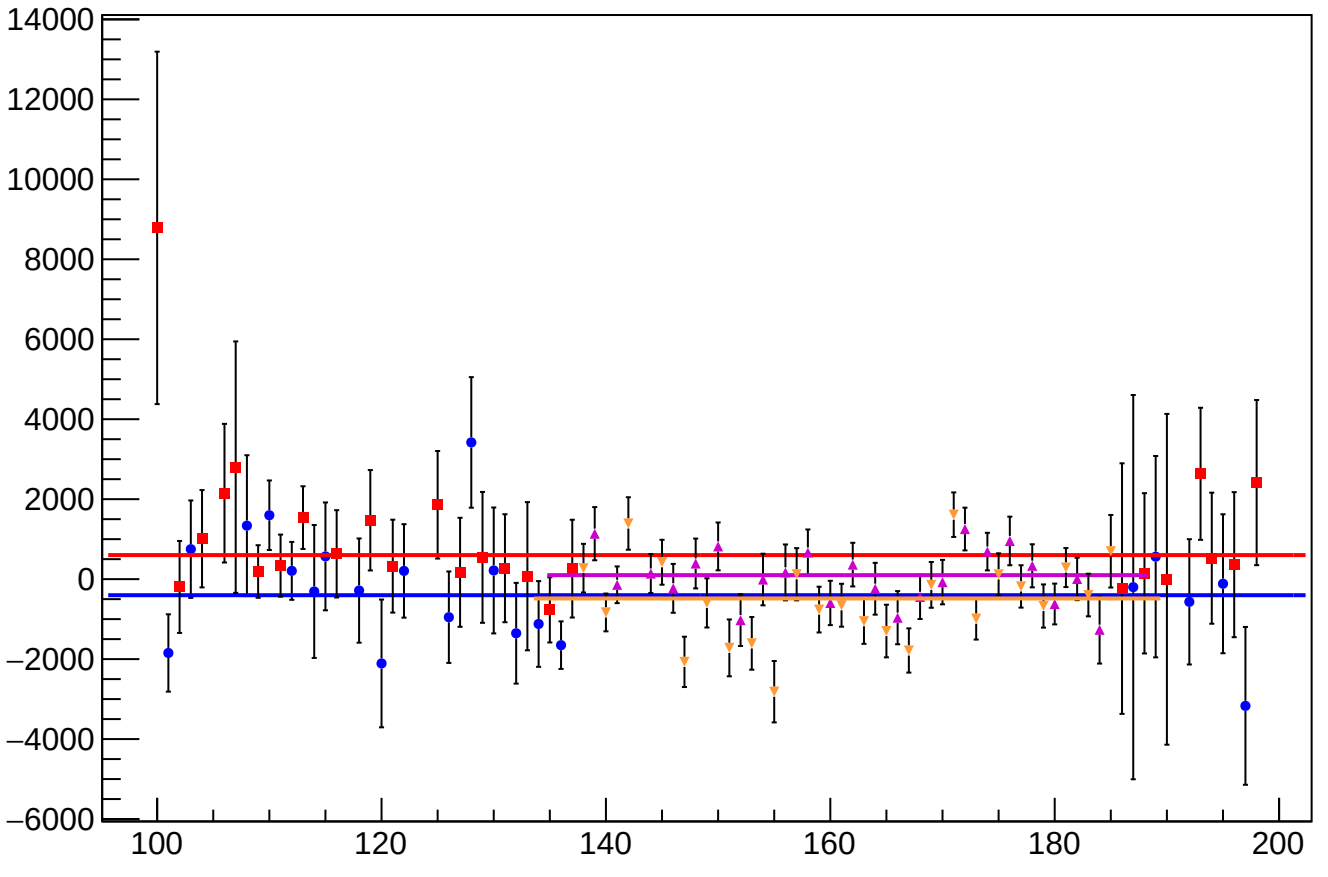
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 778.976+/-0.115 χ^2/NDF: 32319.0/45

In: 776.919+/-0.102 χ^2/NDF:15271.4/43

Out: 778.723+/-0.099 χ^2/NDF:21639.8/48

All: 777.849+/-0.071 χ^2/NDF: 37072.4/92



Right In: -401.841+/-258.345 χ^2/NDF: 25.5/20

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

Right Out: 601.596+/-250.809 χ^2/NDF: 14.3/24

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

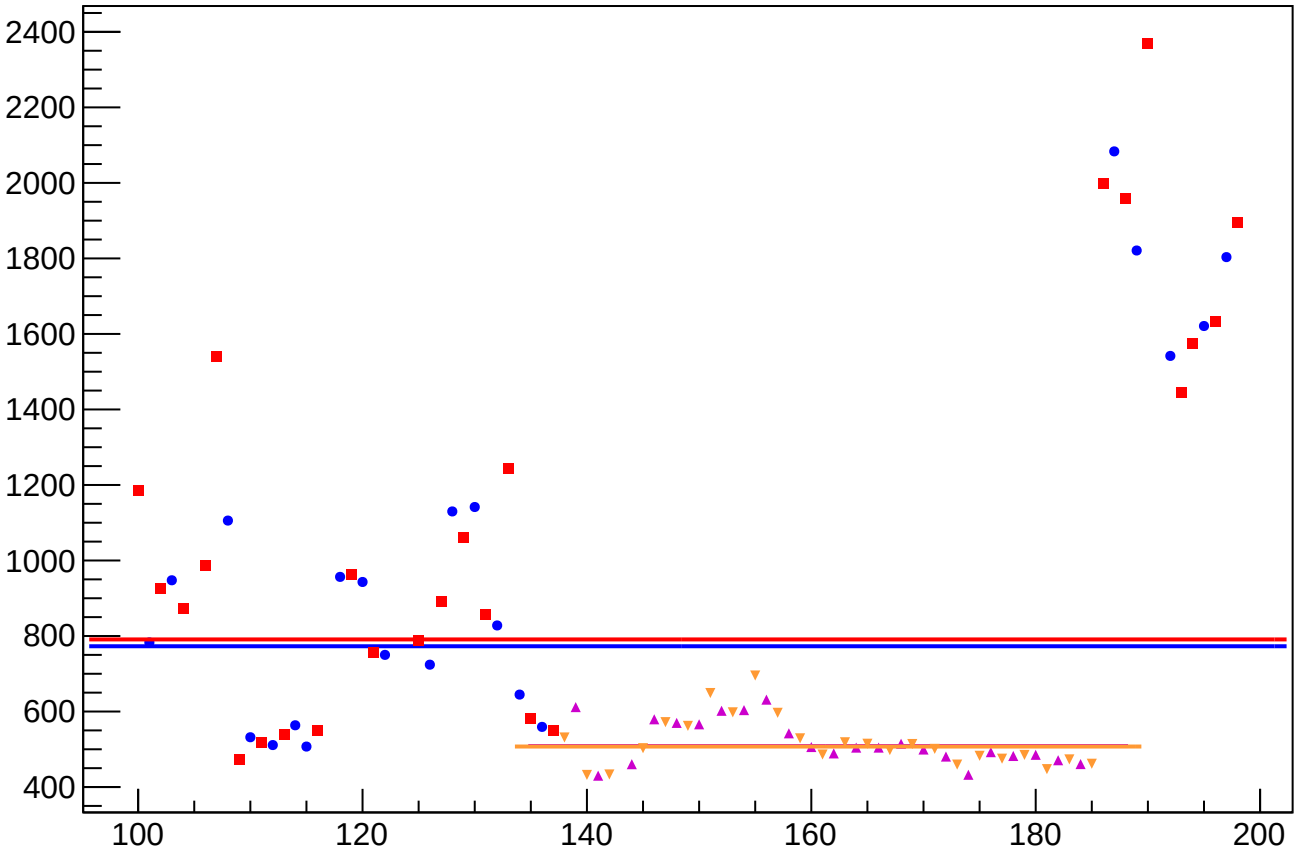
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 114.726+/-179.954 χ^2/NDF: 47.5/45

In: 11.322+/-108.591 χ^2/NDF:56.0/43

Out: -284.143+/-107.369 χ^2/NDF:94.6/48

All: -138.082+/-76.350 χ^2/NDF: 154.4/92



Right In: 772.884+/-0.183 χ^2/NDF: 3197328.8/20

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

Right Out: 790.966+/-0.177 χ^2/NDF: 4690945.6/24

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

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

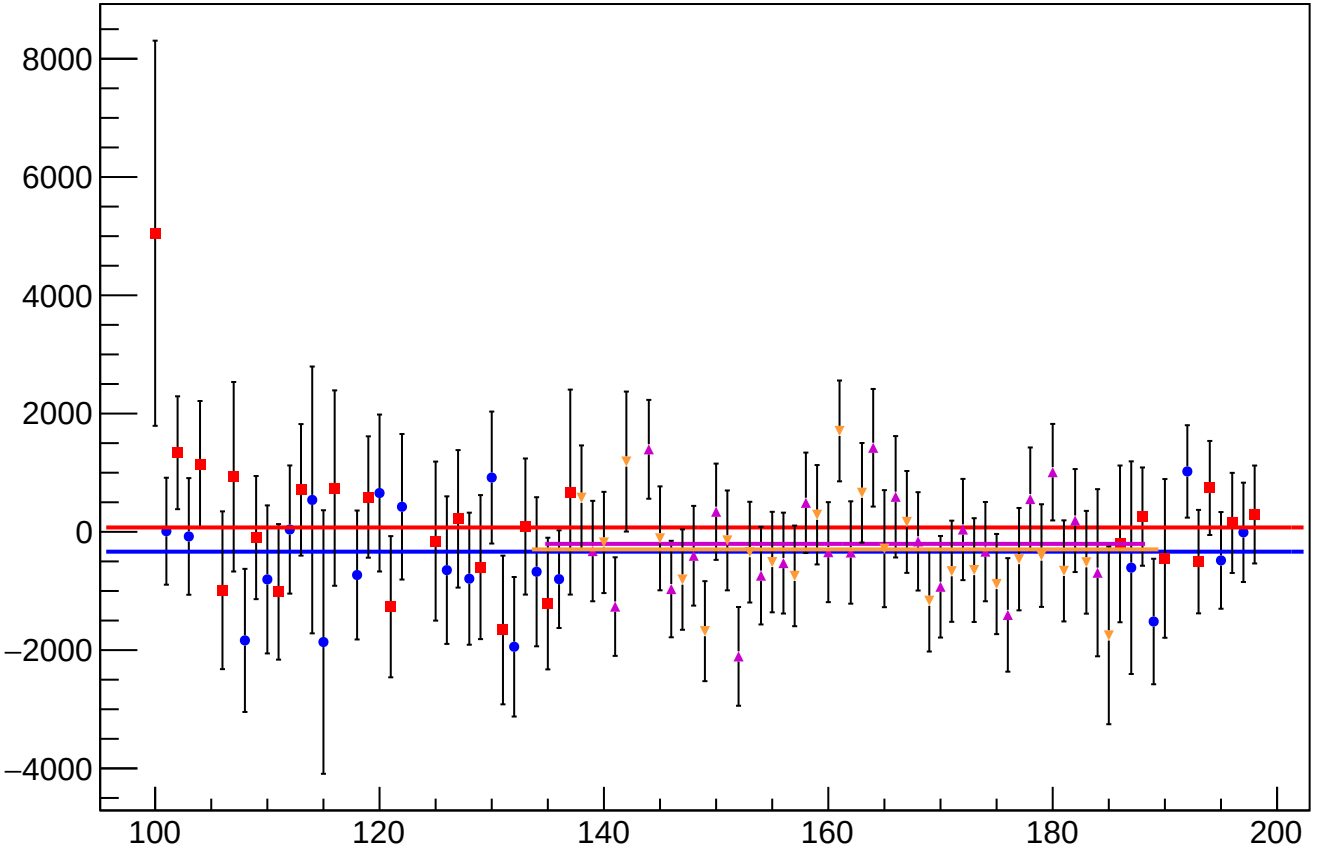
Right: 782.192+/-0.127 χ^2/NDF: 7893318.6/45

In: 555.325+/-0.077 χ^2/NDF:5352491.7/43

Out: 559.300+/-0.076 χ^2/NDF:7254149.7/48

All: 557.335+/-0.054 χ^2/NDF: 12607996.6/92

eigen_dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -335.249+/-237.677 χ^2/NDF: 11.9/20

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

Right Out: 74.086+/-221.725 χ^2/NDF: 14.1/24

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

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

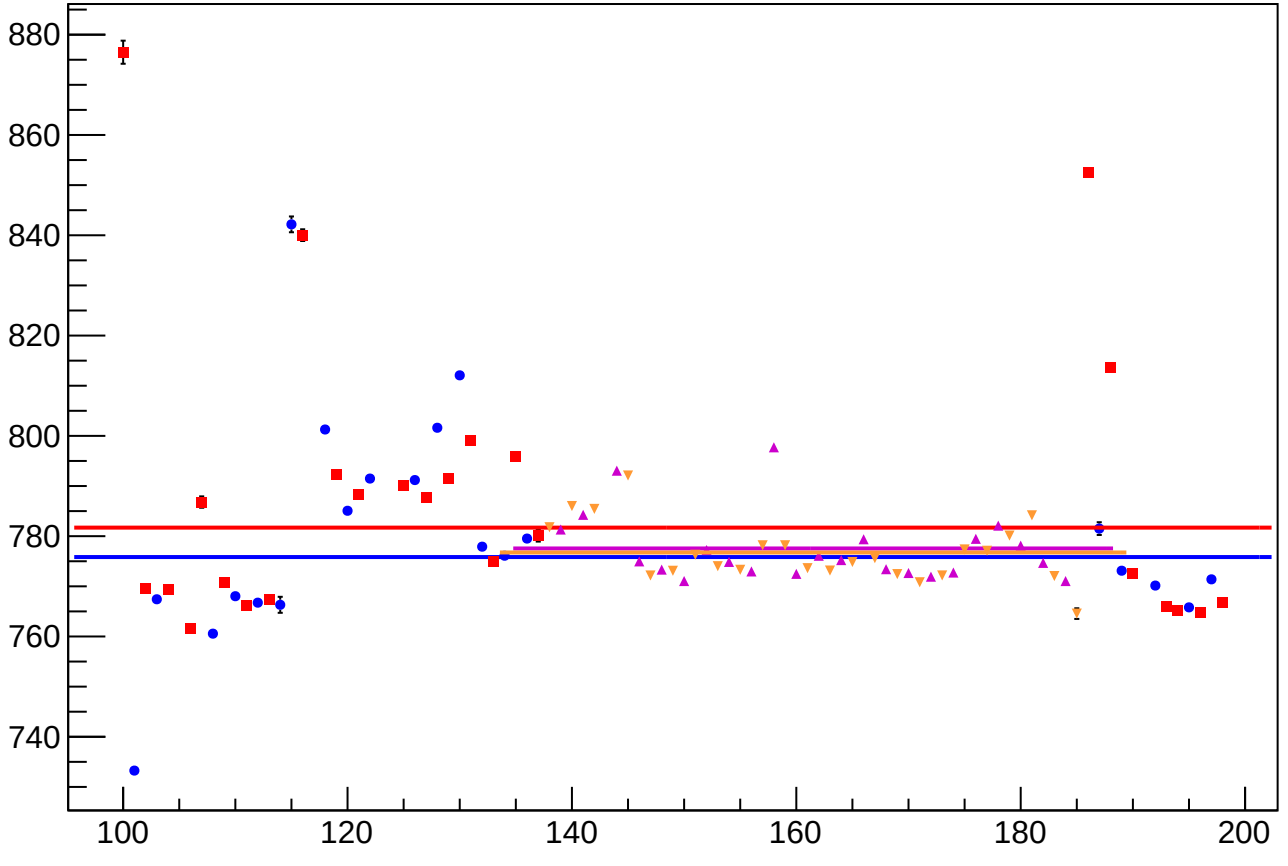
Right: -116.385+/-162.129 χ^2/NDF: 27.6/45

In: -251.943+/-144.274 χ^2/NDF:34.2/43

Out: -149.174+/-139.878 χ^2/NDF:32.5/48

All: -198.969+/-100.427 χ^2/NDF: 67.0/92

eigen_dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 775.838+/-0.168 χ^2/NDF: 12455.1/20

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

Right Out: 781.707+/-0.157 χ^2/NDF: 19211.8/24

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

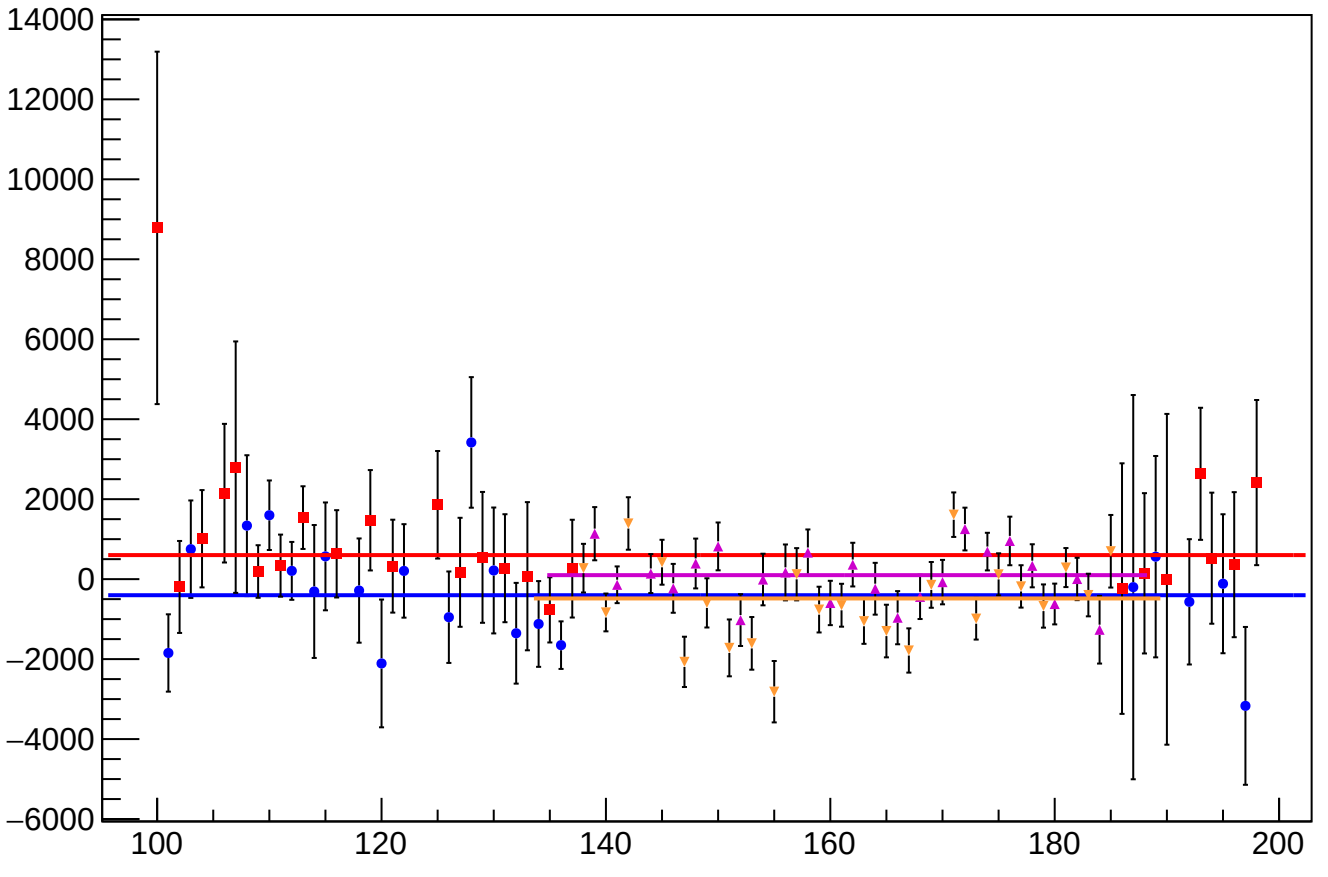
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 778.976+/-0.115 χ^2/NDF: 32319.0/45

In: 776.919+/-0.102 χ^2/NDF:15271.4/43

Out: 778.723+/-0.099 χ^2/NDF:21639.8/48

All: 777.849+/-0.071 χ^2/NDF: 37072.4/92



Right In: -401.837+/-258.343 χ^2/NDF: 25.5/20

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

Right Out: 601.595+/-250.808 χ^2/NDF: 14.3/24

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

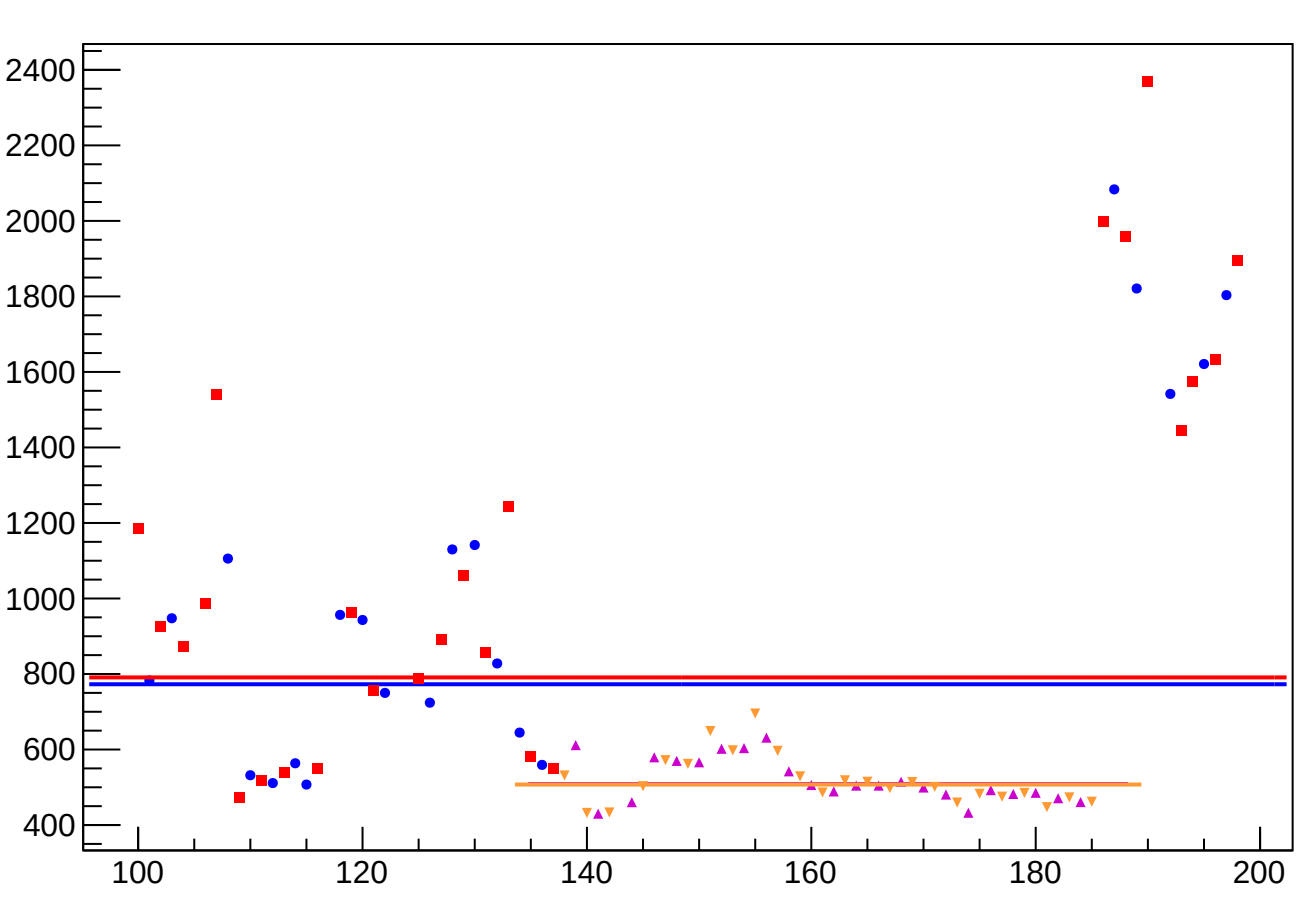
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 114.727+/-179.953 χ^2/NDF: 47.5/45

In: 11.322+/-108.591 χ^2/NDF:56.0/43

Out: -284.142+/-107.369 χ^2/NDF:94.6/48

All: -138.082+/-76.350 χ^2/NDF: 154.4/92



Right In: 772.880+/-0.183 χ^2/NDF: 3197352.7/20

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

Right Out: 790.962+/-0.177 χ^2/NDF: 4690983.4/24

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

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

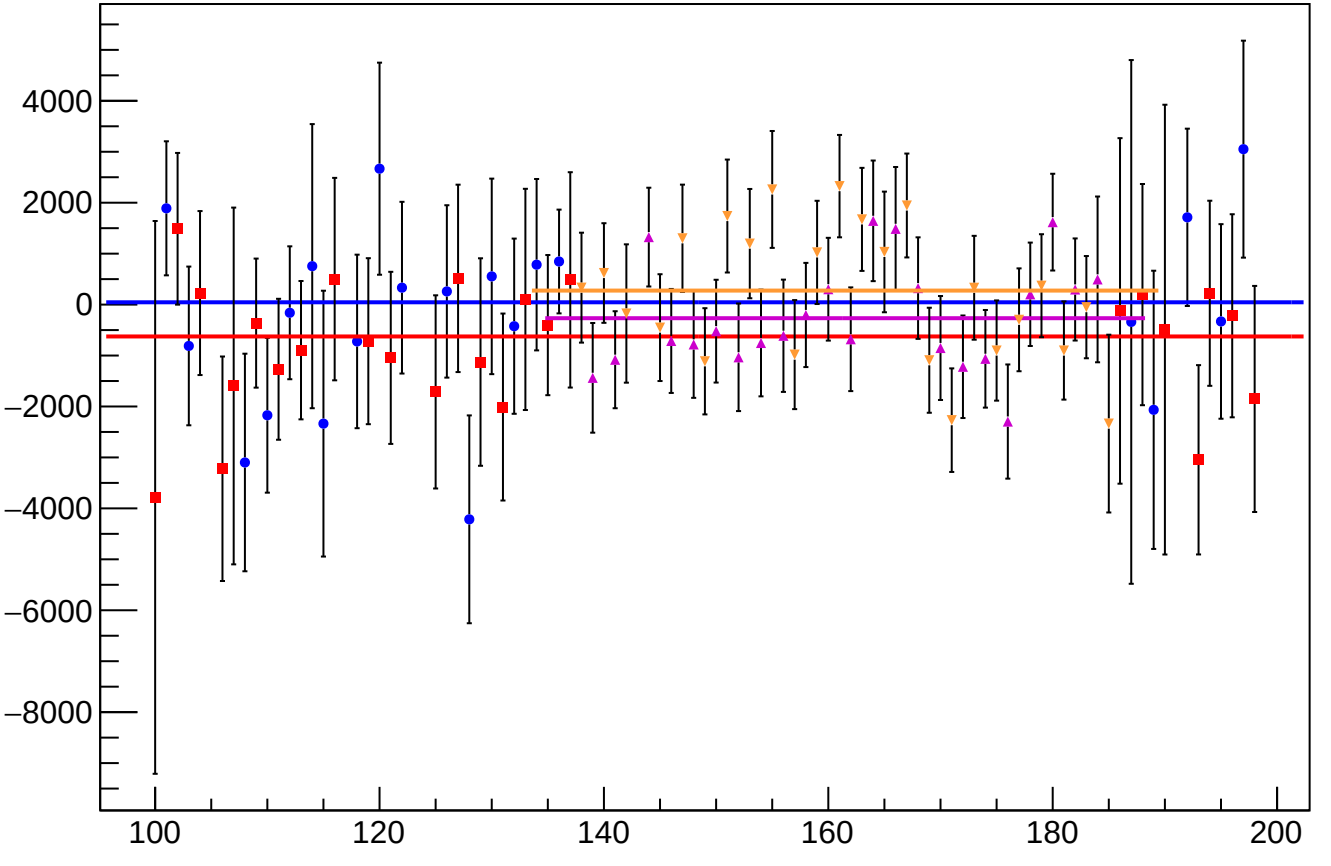
Right: 782.188+/-0.127 χ^2/NDF: 7893380.4/45

In: 555.325+/-0.077 χ^2/NDF:5352492.5/43

Out: 559.300+/-0.076 χ^2/NDF:7254152.8/48

All: 557.335+/-0.054 χ^2/NDF: 12608000.6/92

asym_us_dd_mean vs Slug, Sign Corrected



Right In: 45.272+/-379.406 χ^2/NDF: 18.2/20

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

Right Out: -625.391+/-370.077 χ^2/NDF: 9.0/24

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

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

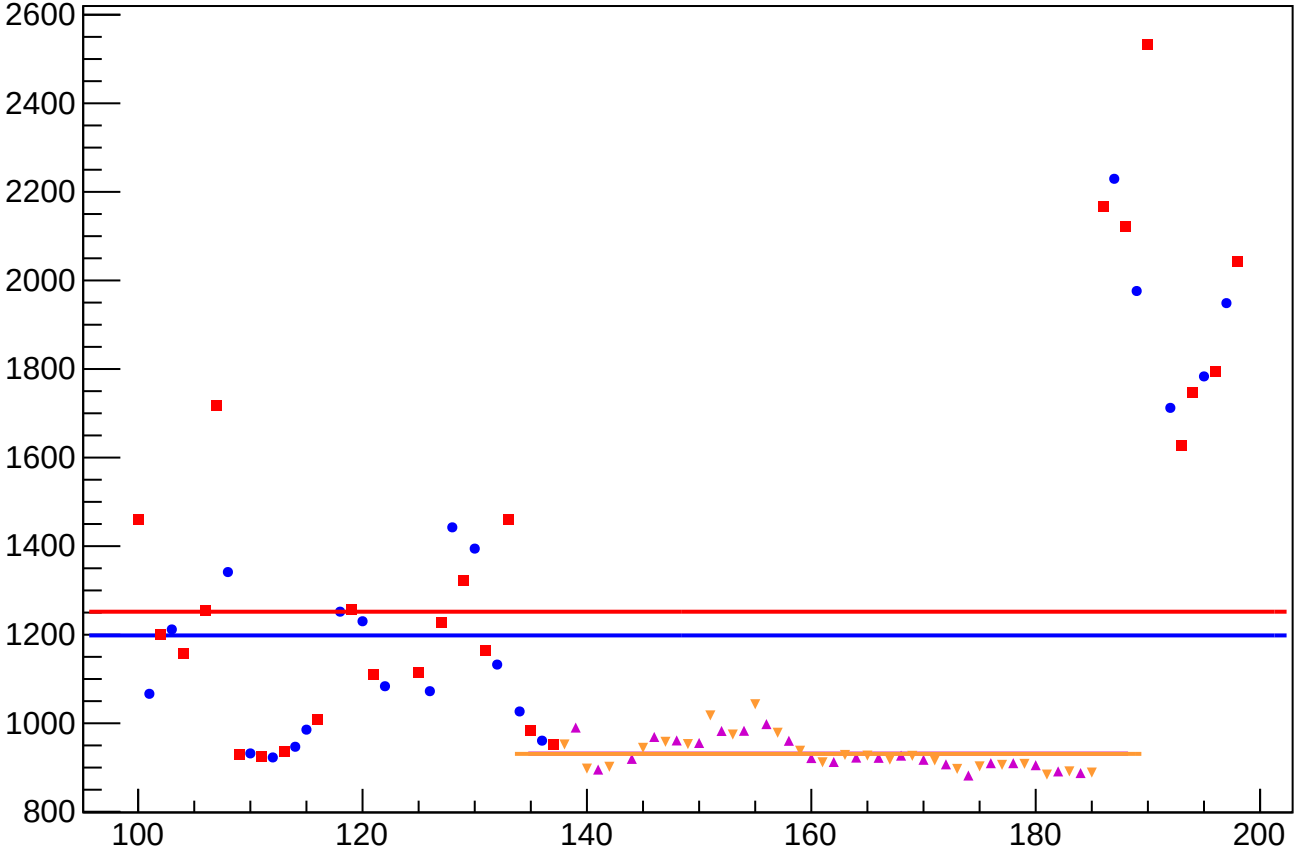
Right: -298.406+/-264.921 χ^2/NDF: 28.8/45

In: -189.707+/-188.814 χ^2/NDF:40.1/43

Out: 45.889+/-186.736 χ^2/NDF:47.0/48

All: -70.605+/-132.771 χ^2/NDF: 87.9/92

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1198.404+/-0.268 χ^2/NDF: 1267495.0/20

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

Right Out: 1251.954+/-0.262 χ^2/NDF: 1861432.7/24

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

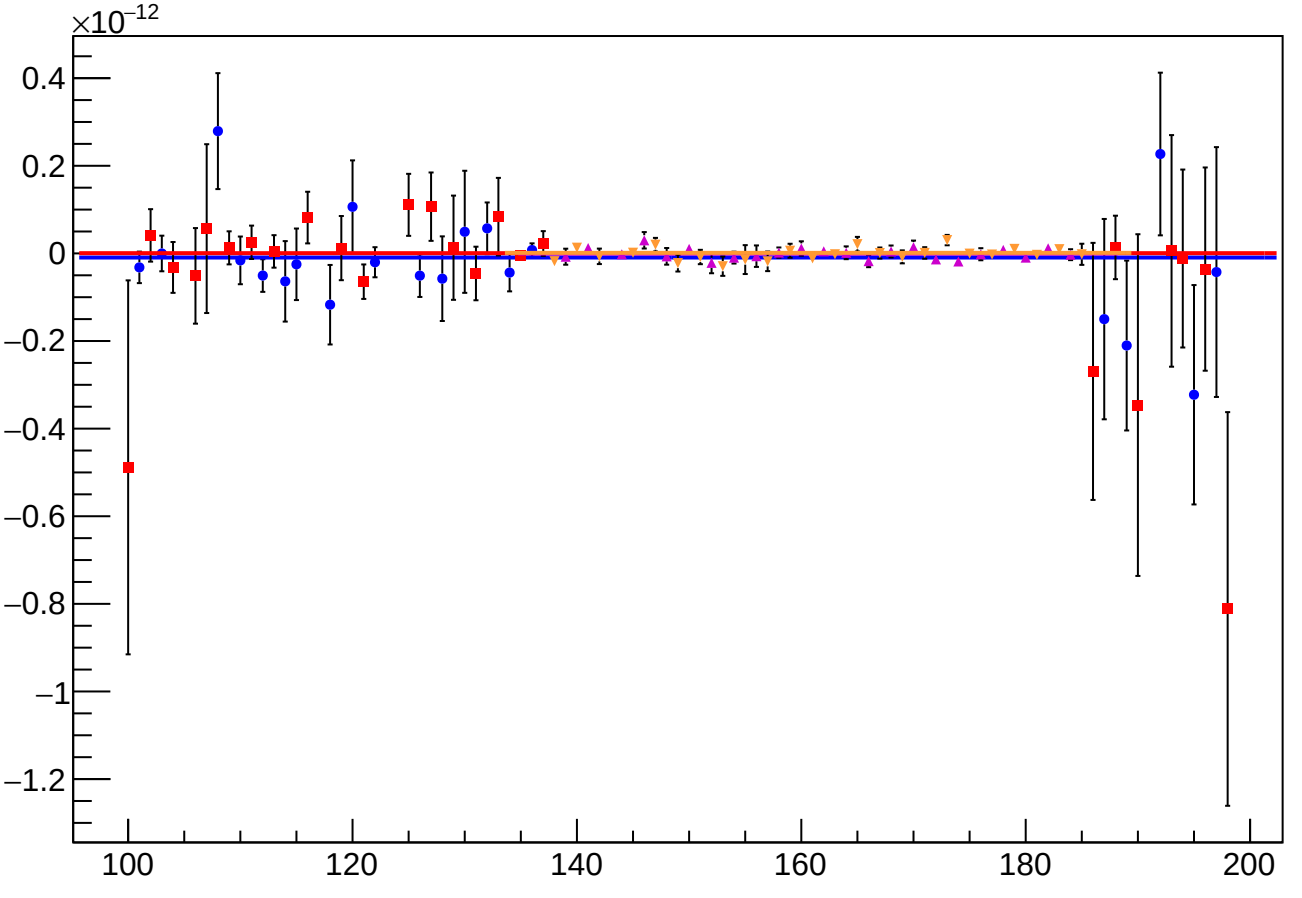
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1225.846+/-0.187 χ^2/NDF: 3149344.9/45

In: 997.649+/-0.134 χ^2/NDF:2060699.1/43

Out: 1012.659+/-0.132 χ^2/NDF:3045216.0/48

All: 1005.237+/-0.094 χ^2/NDF: 5112305.2/92



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/20

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

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/24

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

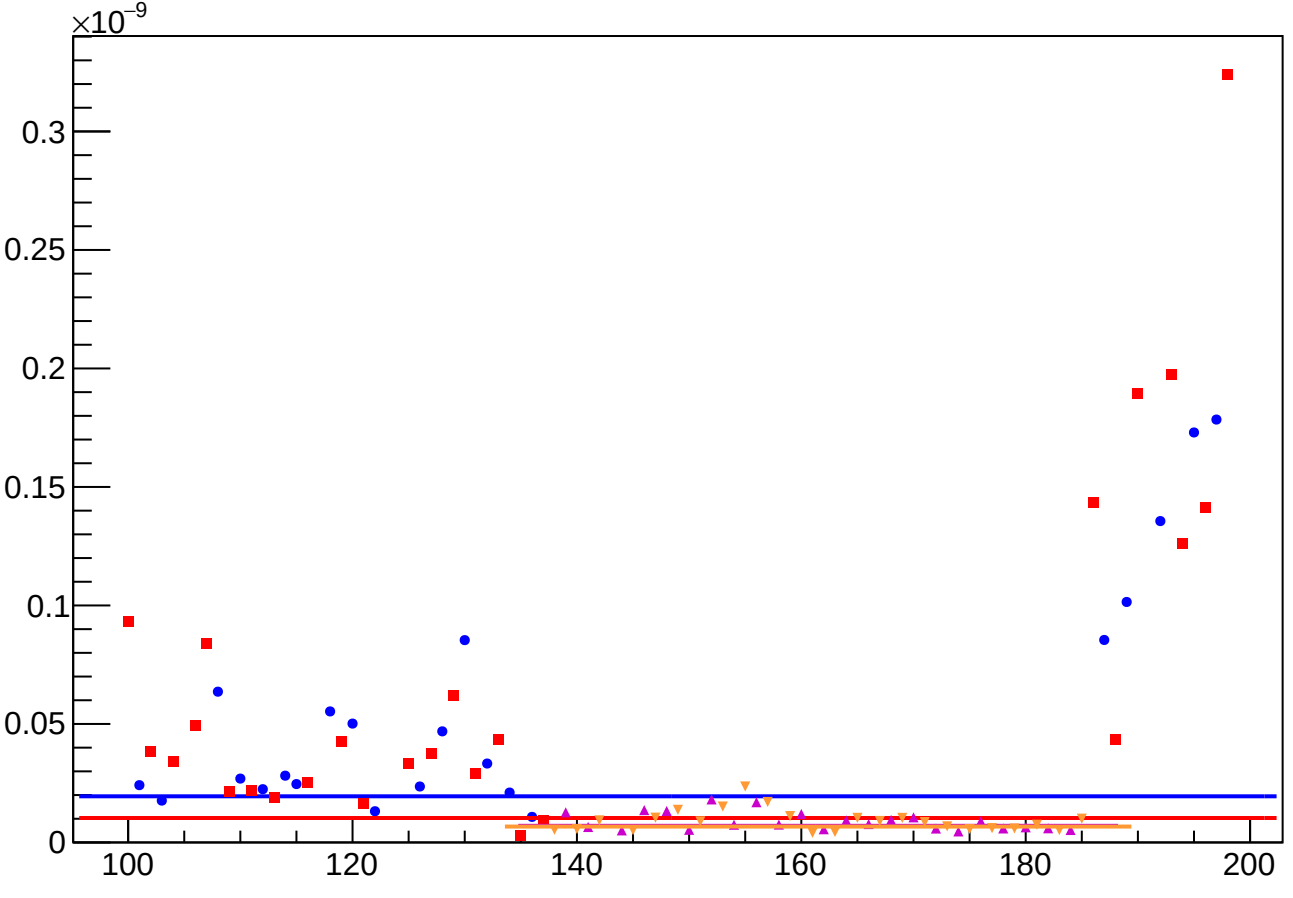
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 38.4/45

In: -0.000+/-0.000 χ^2/NDF:41.4/43

Out: 0.000+/-0.000 χ^2/NDF:45.0/48

All: 0.000+/-0.000 χ^2/NDF: 86.7/92



Right In: 0.000+/-0.000 χ^2/NDF: 4948783.7/20

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

Right Out: 0.000+/-0.000 χ^2/NDF: 9691310.7/24

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

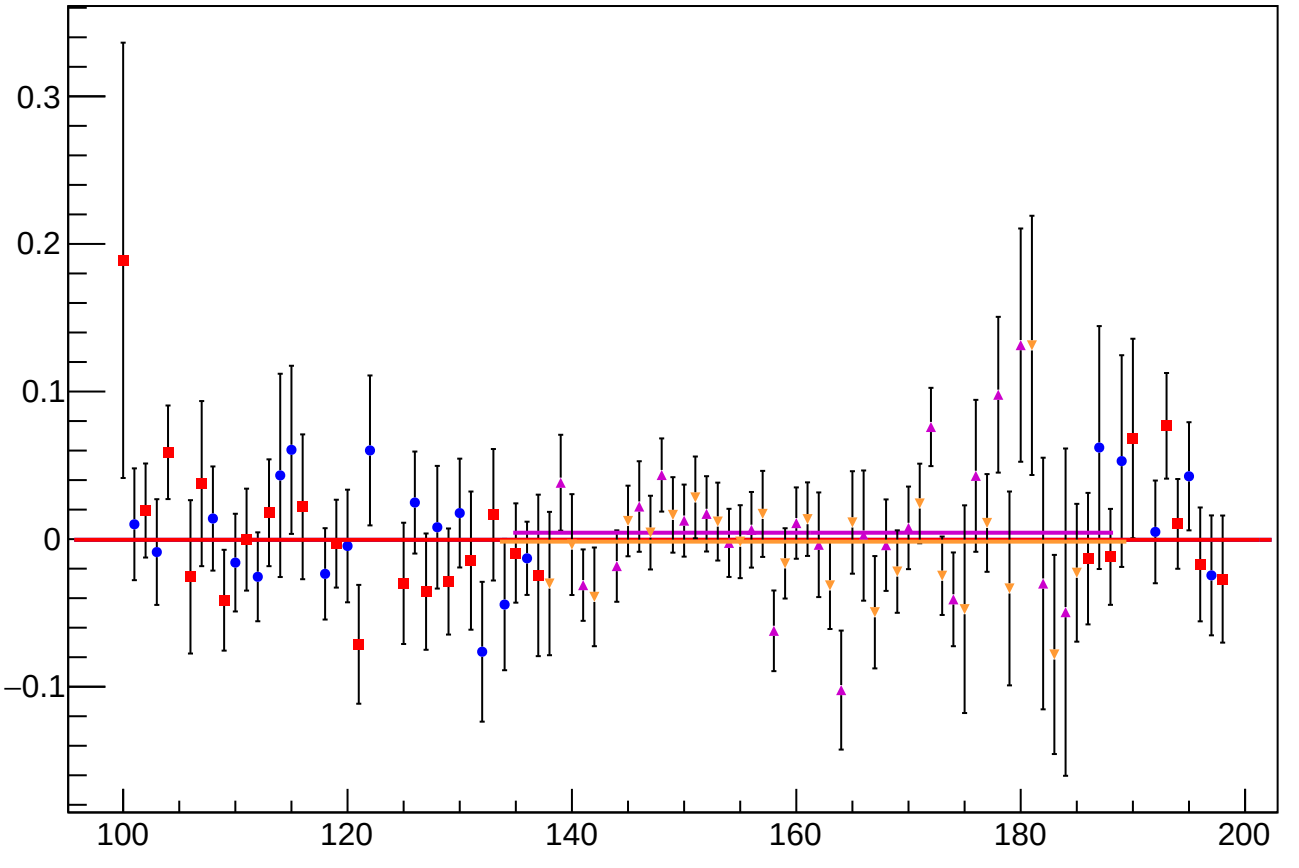
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 15713993.0/45

In: 0.000+/-0.000 χ^2/NDF:10230591.2/43

Out: 0.000+/-0.000 χ^2/NDF:13074690.7/48

All: 0.000+/-0.000 χ^2/NDF: 23384949.1/92



Right In: -0.000+/-0.008 χ^2/NDF: 12.2/20

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

Right Out: -0.000+/-0.008 χ^2/NDF: 20.3/24

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

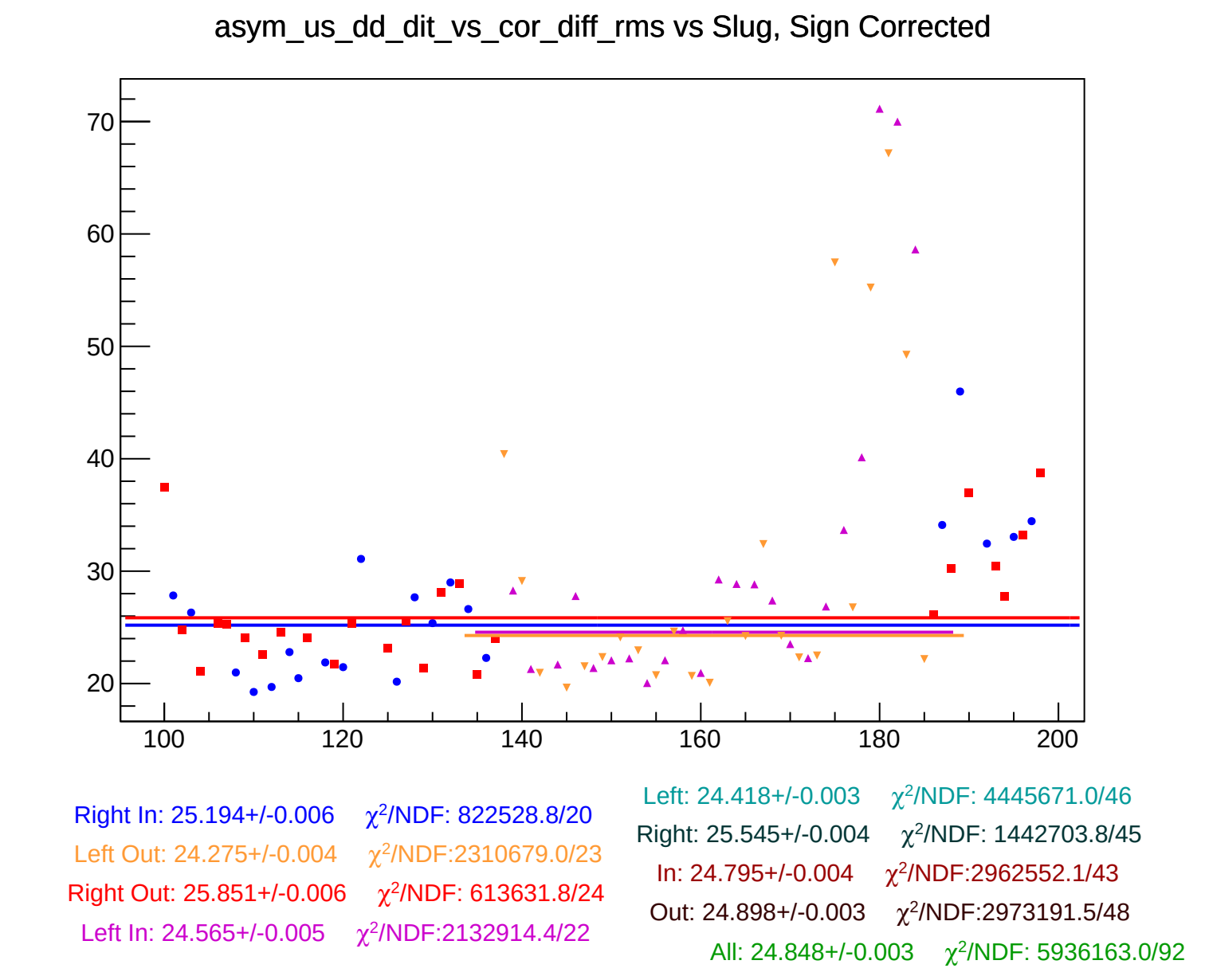
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.000+/-0.006 χ^2/NDF: 32.5/45

In: 0.003+/-0.005 χ^2/NDF:49.0/43

Out: -0.001+/-0.005 χ^2/NDF:34.9/48

All: 0.001+/-0.004 χ^2/NDF: 84.1/92


asym_us_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
70
60
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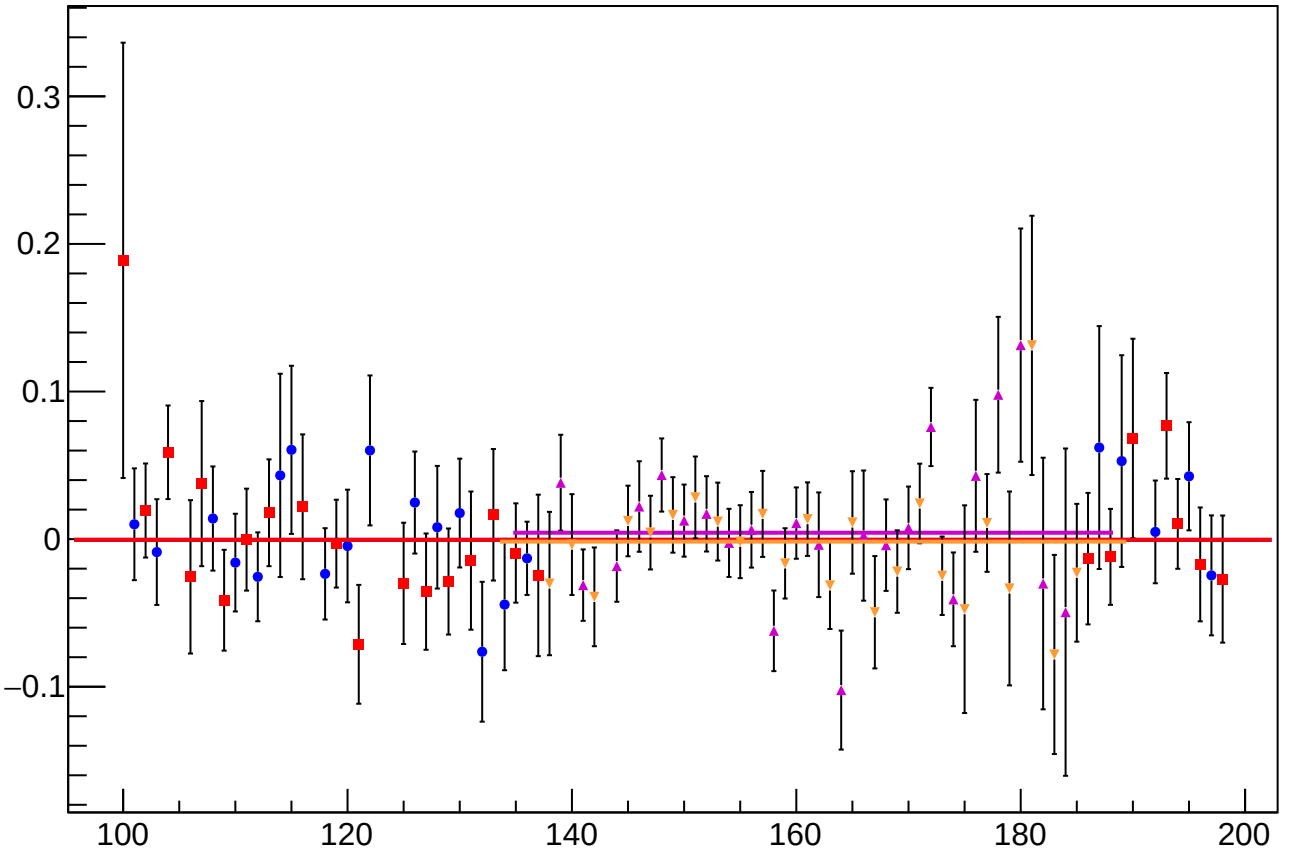
100
120
140
160
180
200
Right In: 25.194+/-0.006 χ²/NDF: 822528.8/20
Left Out: 24.275+/-0.004 χ²/NDF:2310679.0/23
Right Out: 25.851+/-0.006 χ²/NDF: 613631.8/24
Left In: 24.565+/-0.005 χ²/NDF:2132914.4/22
Left: 24.418+/-0.003 χ²/NDF: 4445671.0/46
Right: 25.545+/-0.004 χ²/NDF: 1442703.8/45
In: 24.795+/-0.004 χ²/NDF:2962552.1/43
Out: 24.898+/-0.003 χ²/NDF:2973191.5/48
All: 24.848+/-0.003 χ²/NDF: 5936163.0/92



Right In: -0.000+/-0.008 χ^2/NDF: 12.2/20

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

Right Out: -0.000+/-0.008 χ^2/NDF: 20.3/24

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

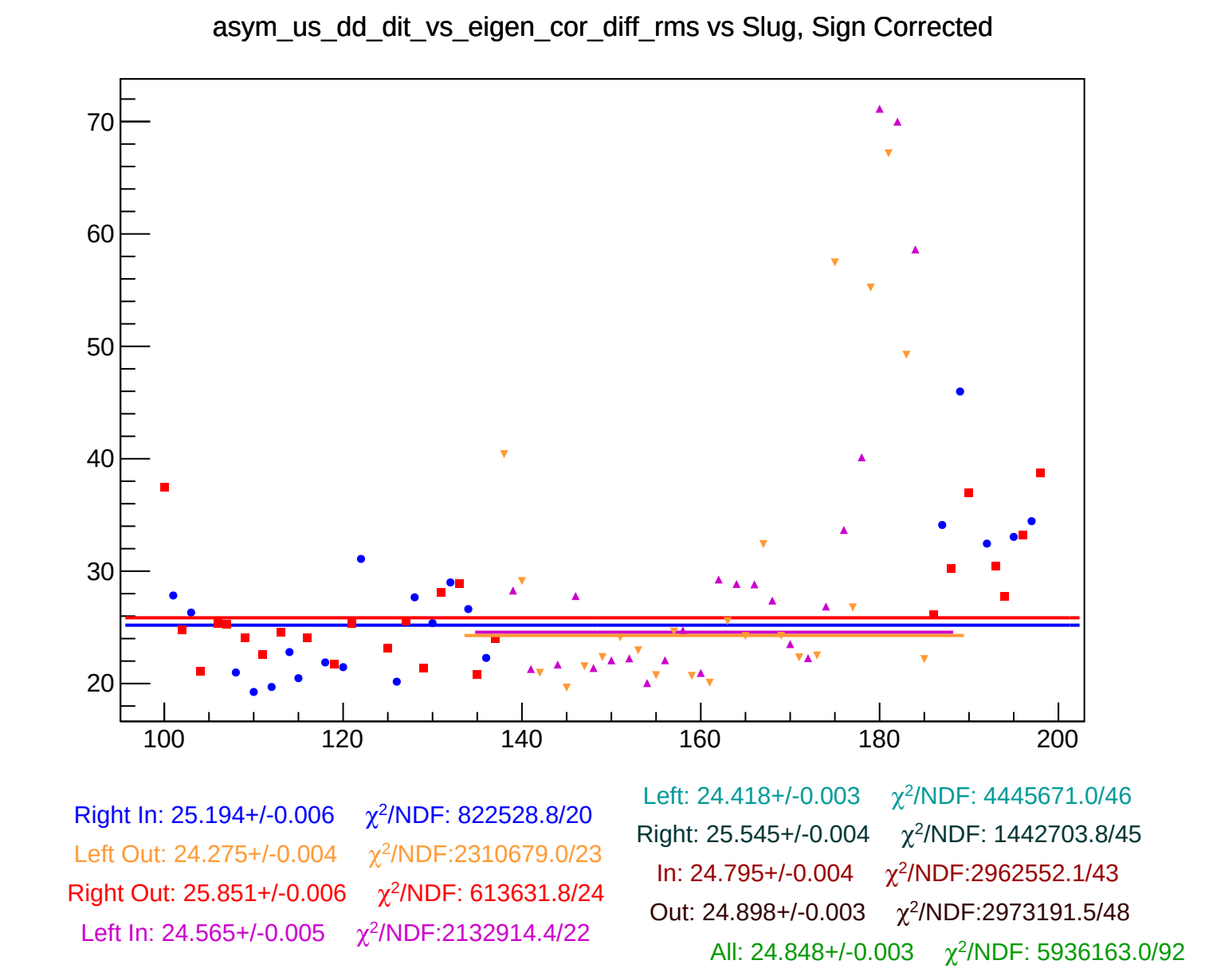
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.000+/-0.006 χ^2/NDF: 32.5/45

In: 0.003+/-0.005 χ^2/NDF:49.0/43

Out: -0.001+/-0.005 χ^2/NDF:34.9/48

All: 0.001+/-0.004 χ^2/NDF: 84.1/92


asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
60
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120
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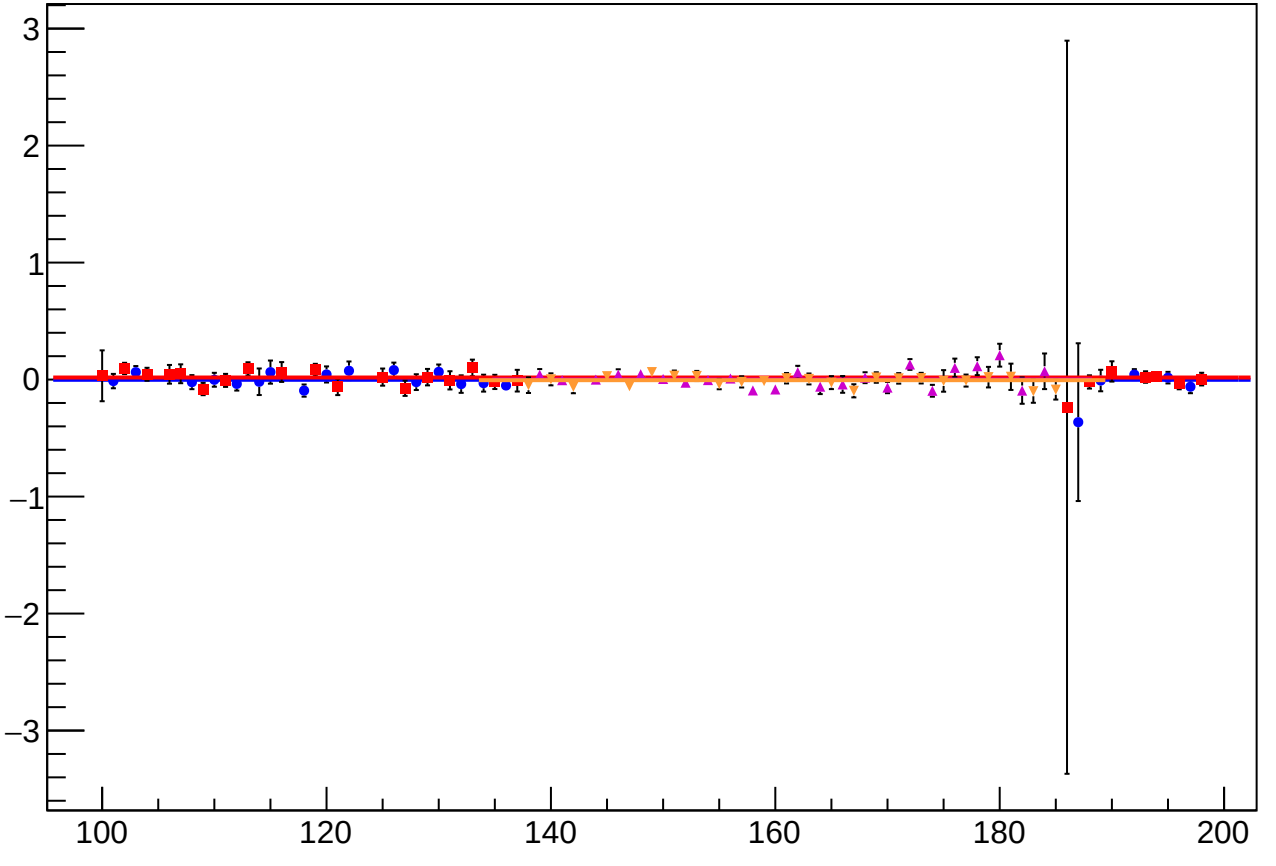
160
180
200
Right In: 25.194+/-0.006 χ²/NDF: 822528.8/20
Left Out: 24.275+/-0.004 χ²/NDF:2310679.0/23
Right Out: 25.851+/-0.006 χ²/NDF: 613631.8/24
Left In: 24.565+/-0.005 χ²/NDF:2132914.4/22
Left: 24.418+/-0.003 χ²/NDF: 4445671.0/46
Right: 25.545+/-0.004 χ²/NDF: 1442703.8/45
In: 24.795+/-0.004 χ²/NDF:2962552.1/43
Out: 24.898+/-0.003 χ²/NDF:2973191.5/48
All: 24.848+/-0.003 χ²/NDF: 5936163.0/92

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.014 χ^2/NDF: 14.1/20

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

Right Out: 0.018+/-0.013 χ^2/NDF: 17.4/24

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

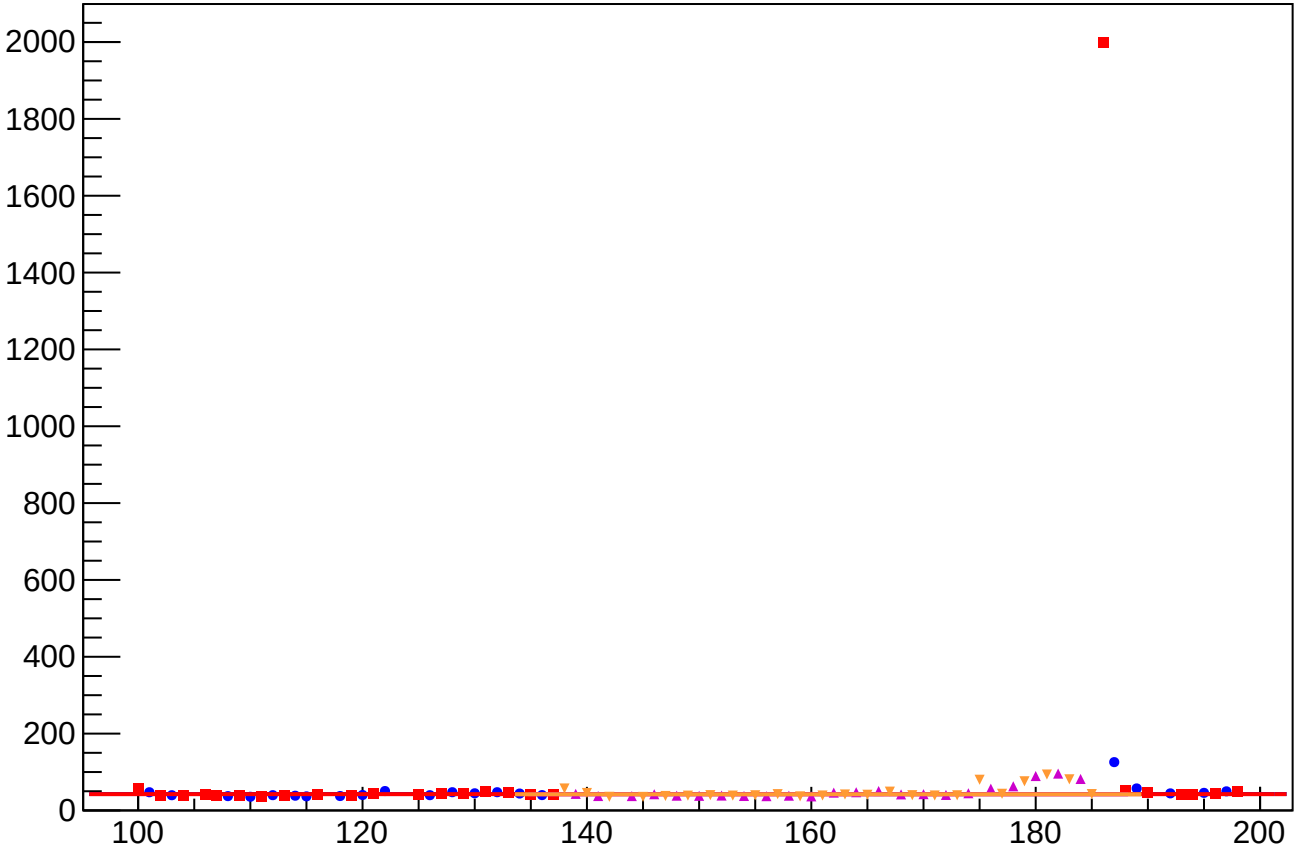
Right: 0.009+/-0.009 χ^2/NDF: 32.6/45

In: -0.001+/-0.008 χ^2/NDF:52.1/43

Out: 0.004+/-0.008 χ^2/NDF:33.2/48

All: 0.002+/-0.006 χ^2/NDF: 85.5/92

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.767+/-0.010 χ^2/NDF: 276007.9/20

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

Right Out: 42.470+/-0.009 χ^2/NDF: 991880.1/24

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

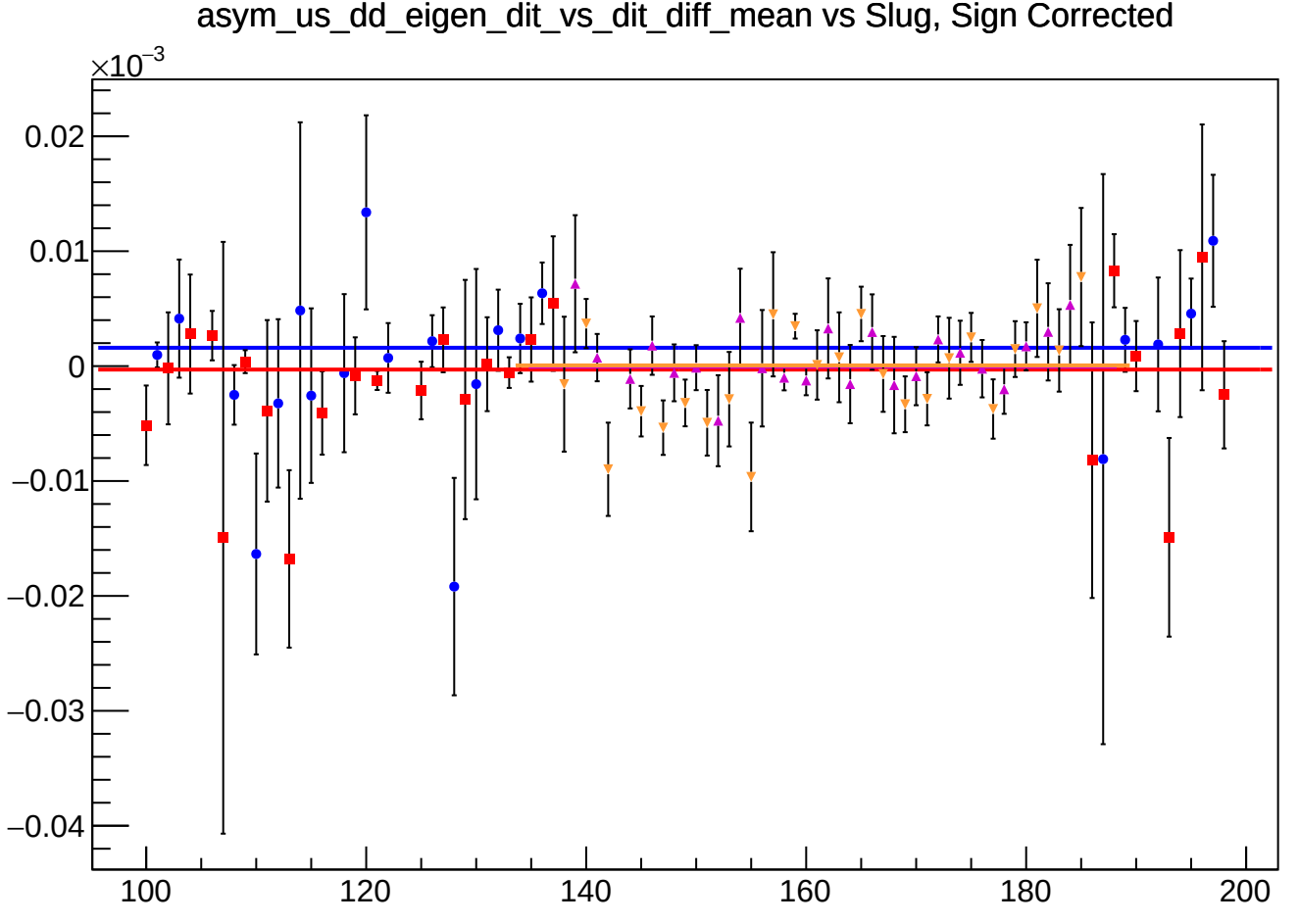
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 42.607+/-0.007 χ^2/NDF: 1268401.1/45

In: 42.331+/-0.006 χ^2/NDF:1822738.4/43

Out: 42.243+/-0.006 χ^2/NDF:2709016.1/48

All: 42.285+/-0.004 χ^2/NDF: 4531871.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/20

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

Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/24

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

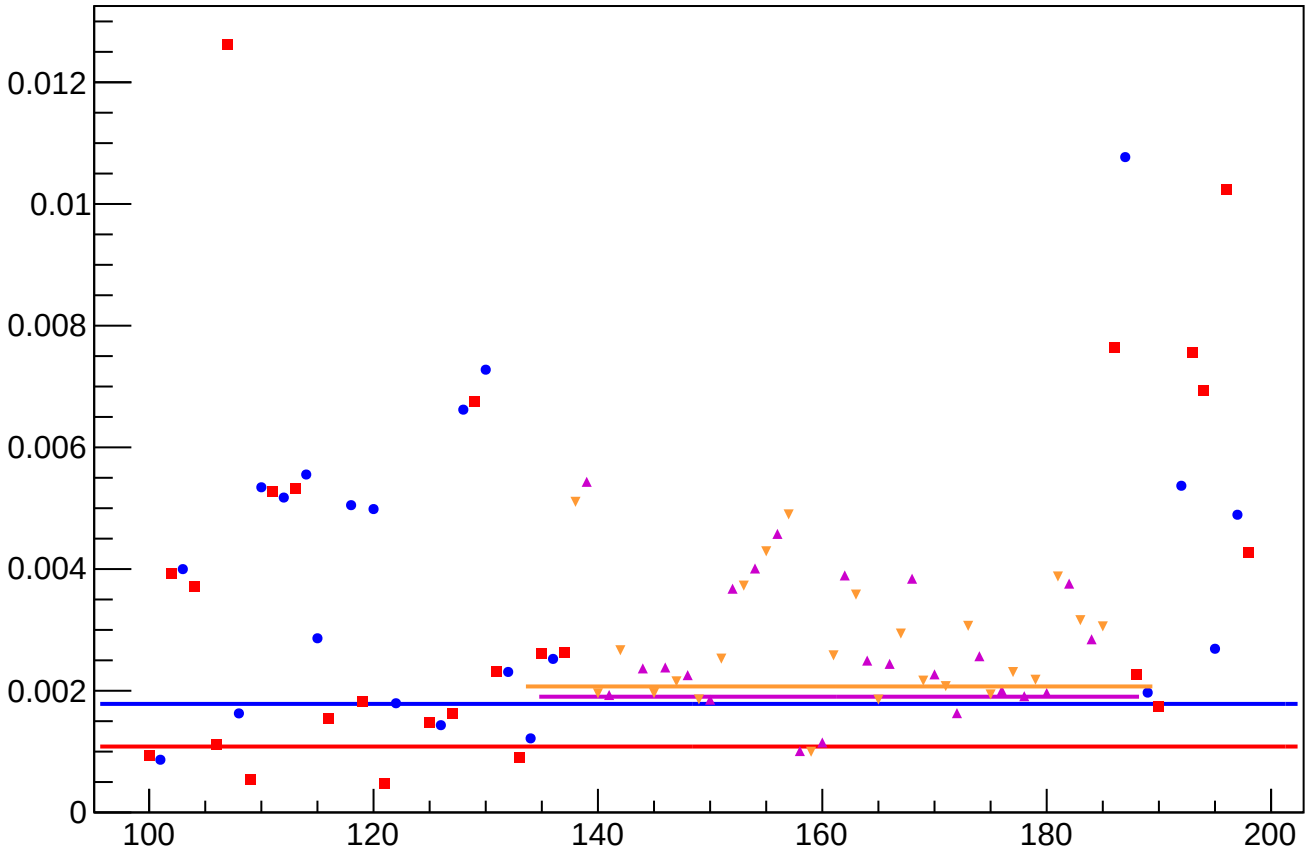
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: 0.000+/-0.000 χ^2/NDF: 54.4/45

In: 0.000+/-0.000 χ^2/NDF:39.1/43

Out: -0.000+/-0.000 χ^2/NDF:78.9/48

All: 0.000+/-0.000 χ^2/NDF: 119.4/92



Right In: 0.002+/-0.000 χ^2/NDF: 6680885.0/20

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

Right Out: 0.001+/-0.000 χ^2/NDF: 11561974.1/24

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

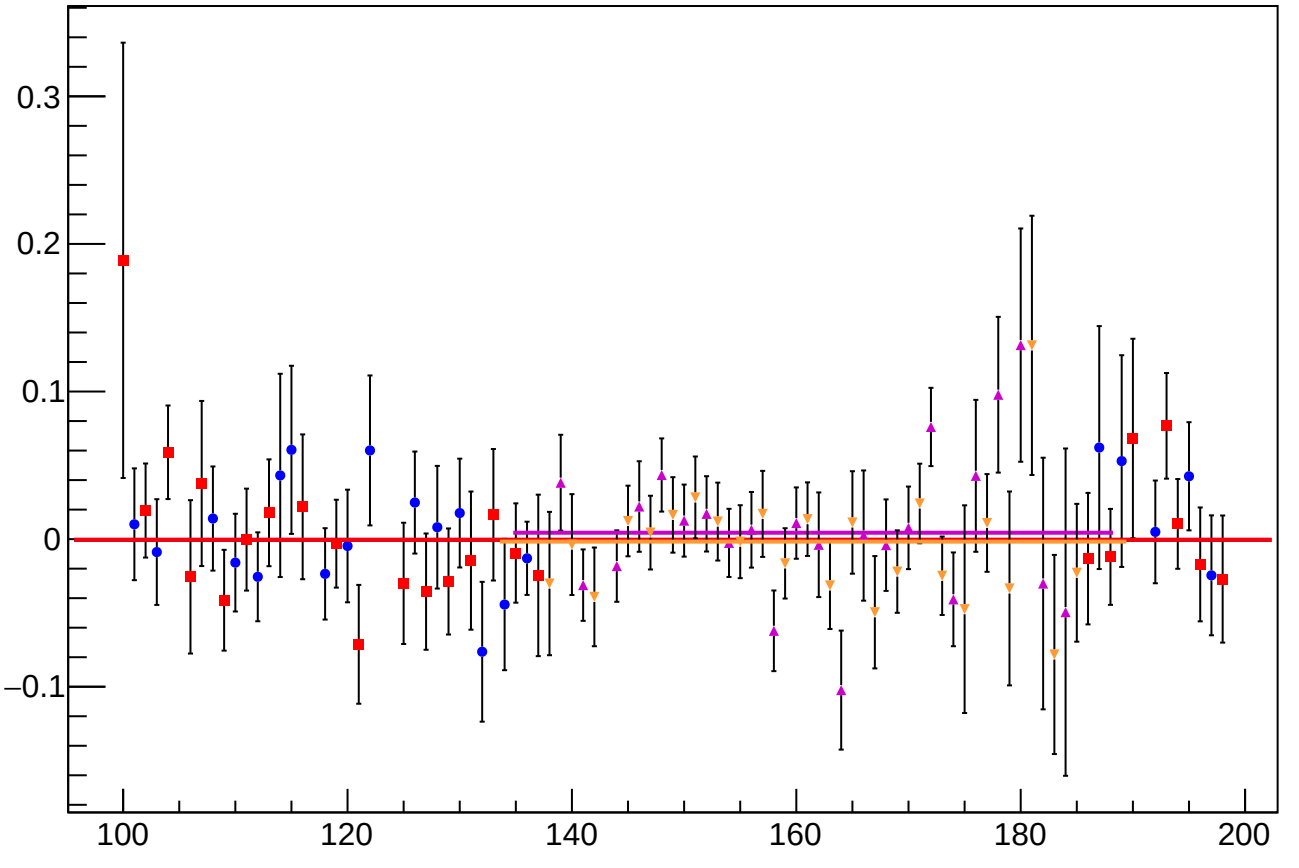
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.001+/-0.000 χ^2/NDF: 19622044.3/45

In: 0.002+/-0.000 χ^2/NDF:12655345.2/43

Out: 0.002+/-0.000 χ^2/NDF:20687468.3/48

All: 0.002+/-0.000 χ^2/NDF: 34098130.9/92



Right In: -0.000+/-0.008 χ^2/NDF: 12.2/20

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

Right Out: -0.000+/-0.008 χ^2/NDF: 20.3/24

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

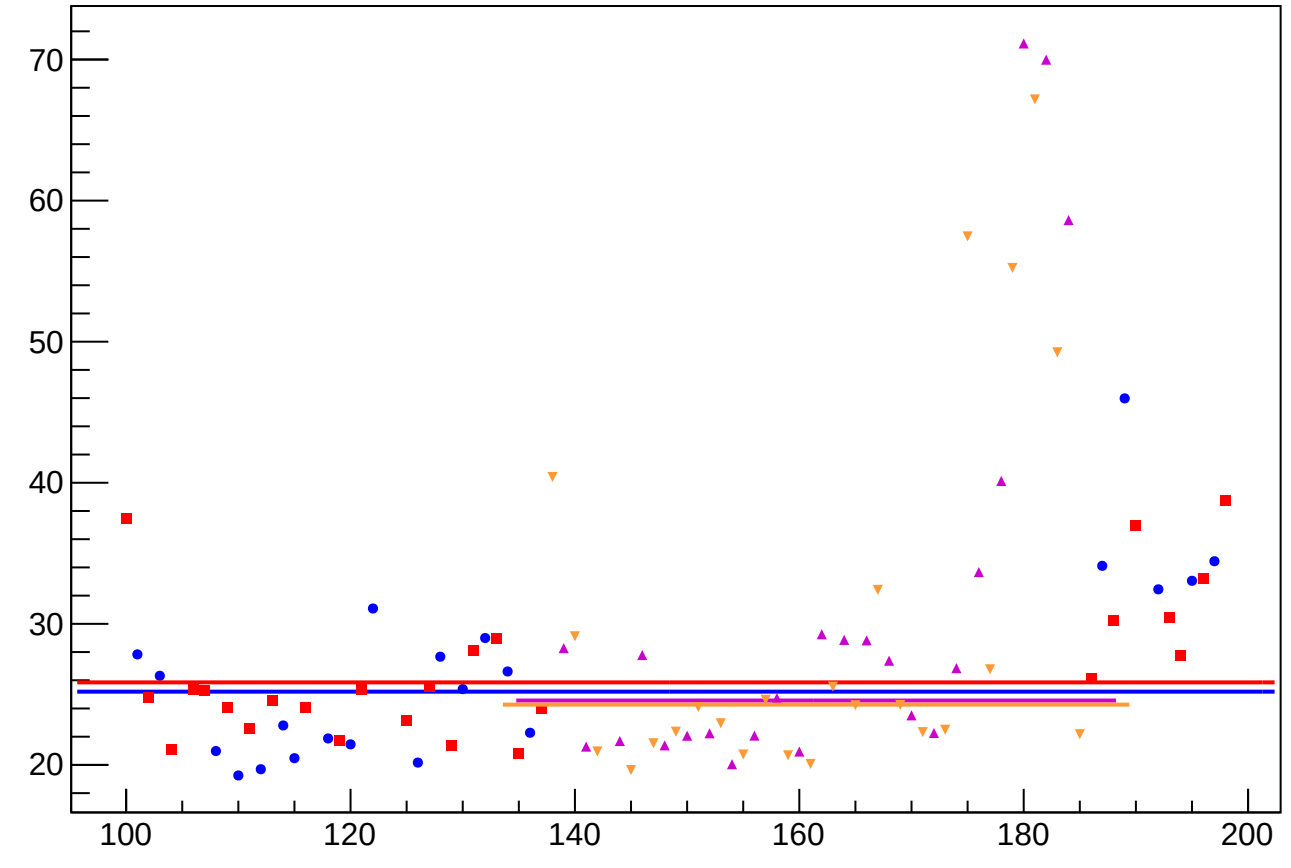
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.000+/-0.006 χ^2/NDF: 32.5/45

In: 0.003+/-0.005 χ^2/NDF:49.0/43

Out: -0.001+/-0.005 χ^2/NDF:34.9/48

All: 0.001+/-0.004 χ^2/NDF: 84.1/92



Right In: 25.193+/-0.006 χ^2/NDF: 822439.7/20

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

Right Out: 25.851+/-0.006 χ^2/NDF: 613555.7/24

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

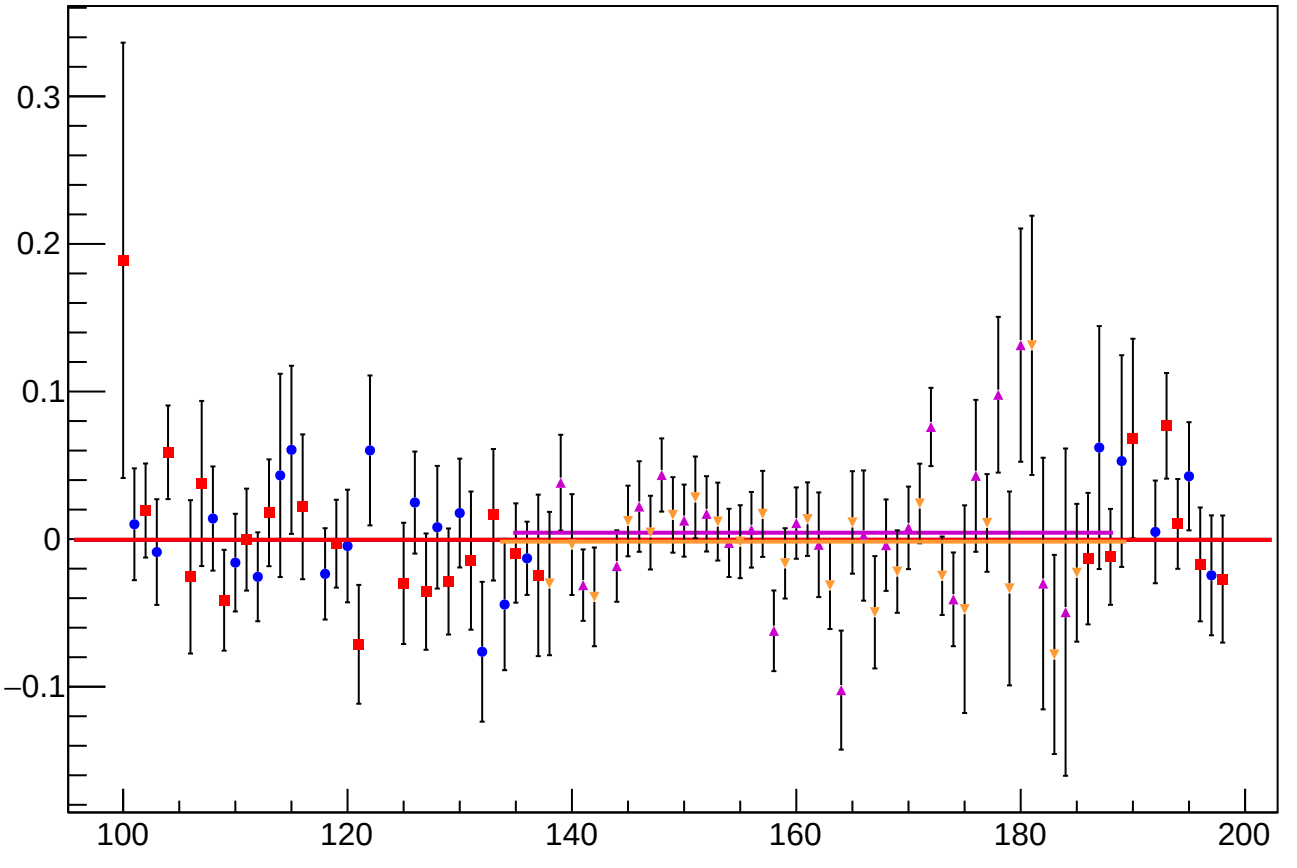
Left: 24.419+/-0.003 χ^2/NDF: 4445544.6/46

Right: 25.545+/-0.004 χ^2/NDF: 1442558.0/45

In: 24.795+/-0.004 χ^2/NDF:2962301.9/43

Out: 24.898+/-0.003 χ^2/NDF:2973124.6/48

All: 24.848+/-0.003 χ^2/NDF: 5935847.5/92



Right In: -0.000+/-0.008 χ^2/NDF: 12.2/20

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

Right Out: -0.000+/-0.008 χ^2/NDF: 20.3/24

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

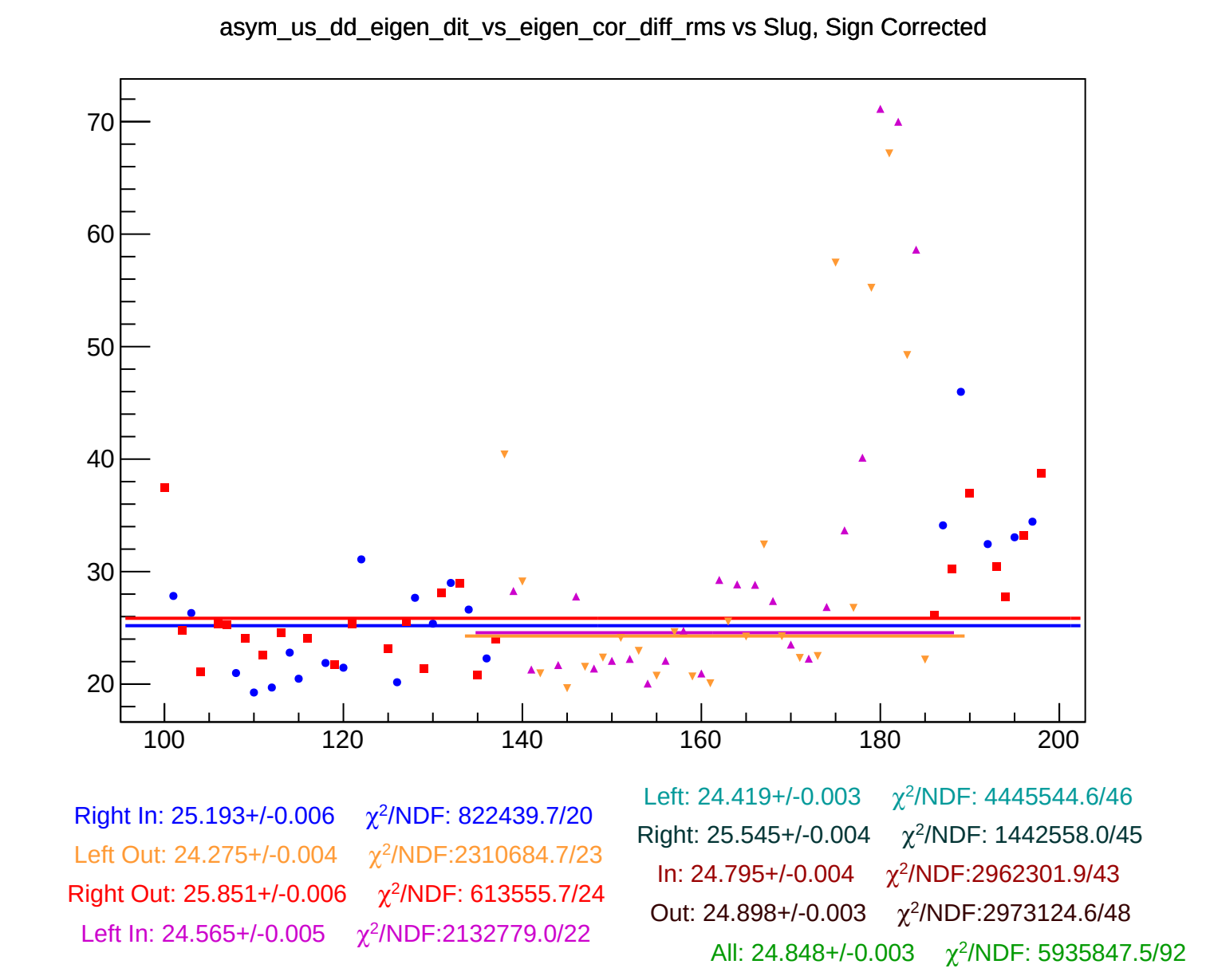
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.000+/-0.006 χ^2/NDF: 32.5/45

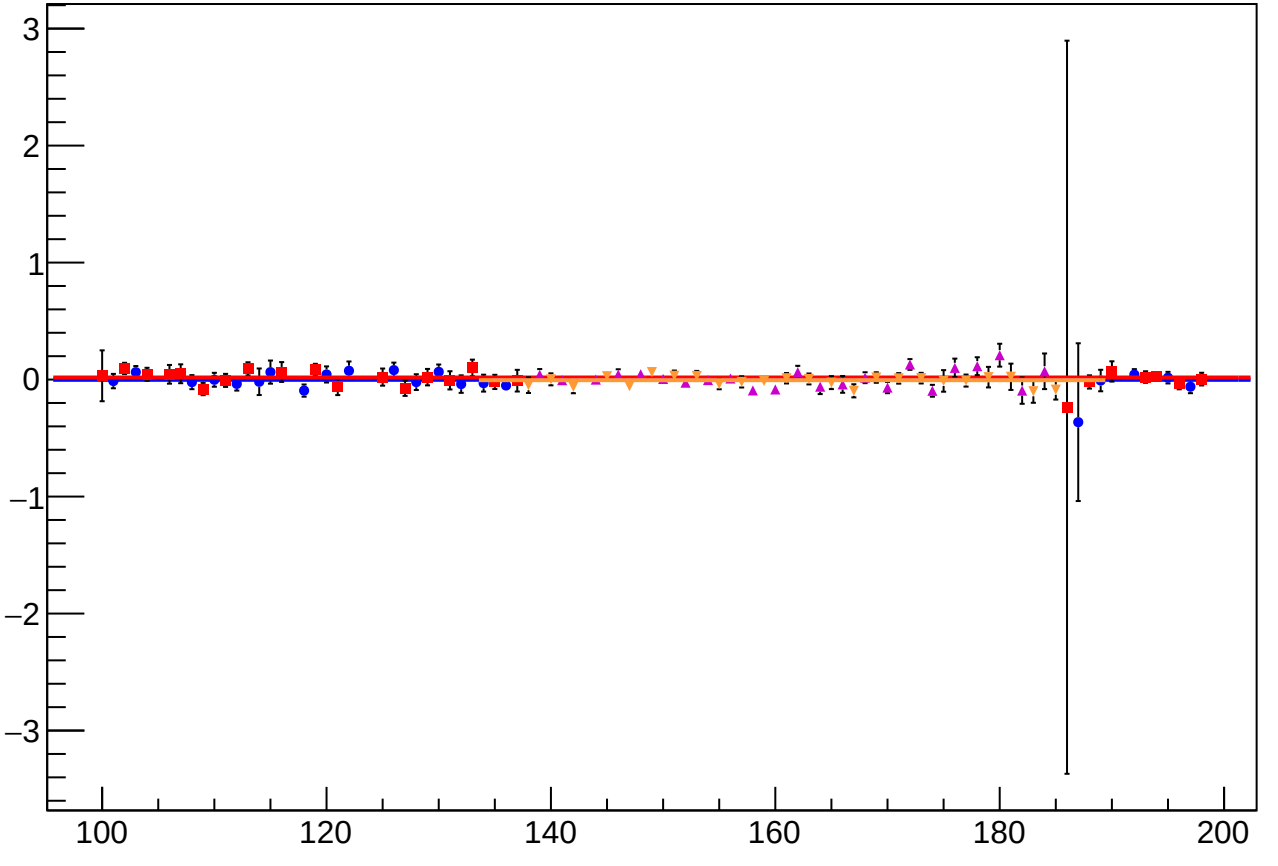
In: 0.003+/-0.005 χ^2/NDF:49.0/43

Out: -0.001+/-0.005 χ^2/NDF:34.9/48

All: 0.001+/-0.004 χ^2/NDF: 84.1/92


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
100
120
140
160
180
200
Right In: 25.193+/-0.006 χ²/NDF: 822439.7/20
Left Out: 24.275+/-0.004 χ²/NDF:2310684.7/23
Right Out: 25.851+/-0.006 χ²/NDF: 613555.7/24
Left In: 24.565+/-0.005 χ²/NDF:2132779.0/22
Left: 24.419+/-0.003 χ²/NDF: 4445544.6/46
Right: 25.545+/-0.004 χ²/NDF: 1442558.0/45
In: 24.795+/-0.004 χ²/NDF:2962301.9/43
Out: 24.898+/-0.003 χ²/NDF:2973124.6/48
All: 24.848+/-0.003 χ²/NDF: 5935847.5/92

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.014 χ^2/NDF: 14.1/20

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

Right Out: 0.018+/-0.013 χ^2/NDF: 17.4/24

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

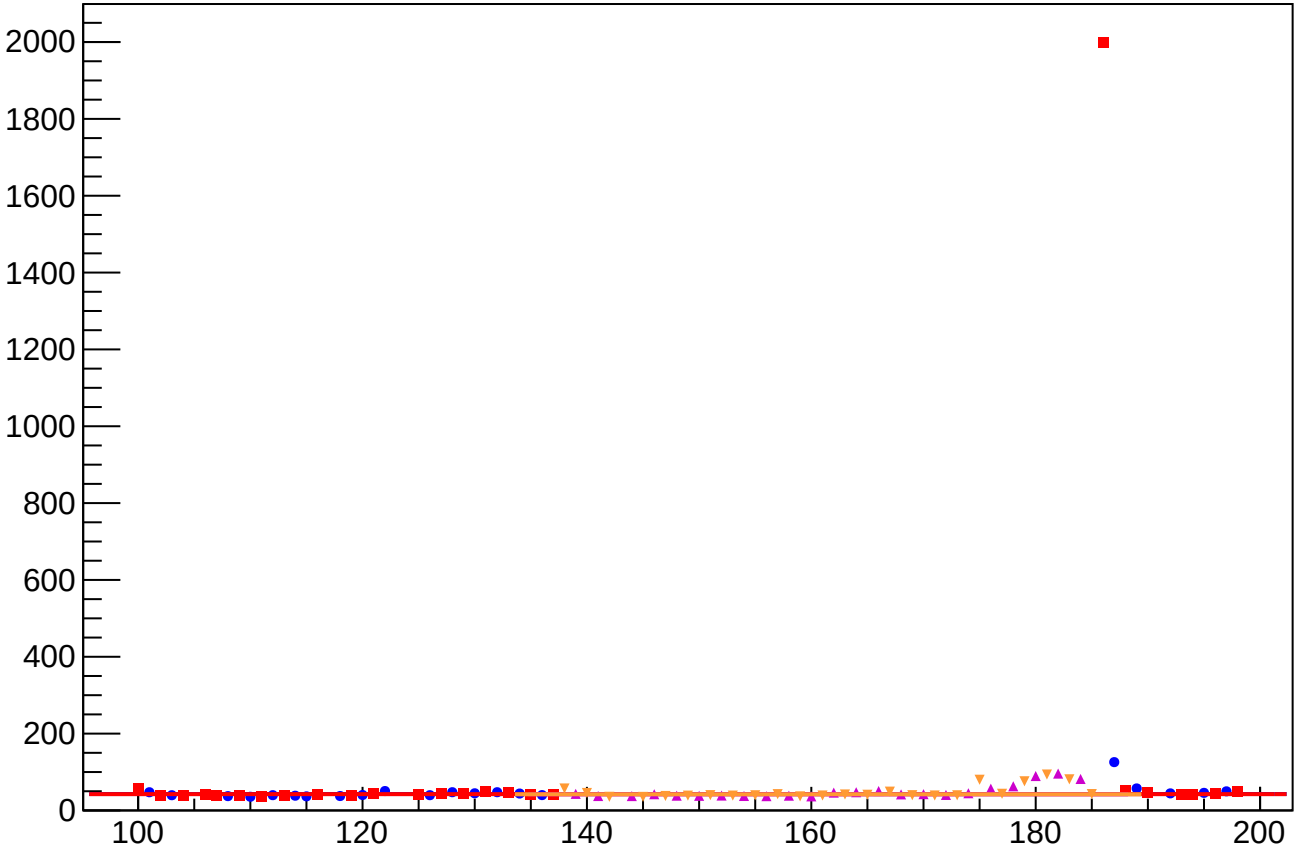
Right: 0.009+/-0.009 χ^2/NDF: 32.6/45

In: -0.001+/-0.008 χ^2/NDF:52.1/43

Out: 0.004+/-0.008 χ^2/NDF:33.2/48

All: 0.002+/-0.006 χ^2/NDF: 85.5/92

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.767+/-0.010 χ^2/NDF: 275972.7/20

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

Right Out: 42.470+/-0.009 χ^2/NDF: 991872.1/24

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

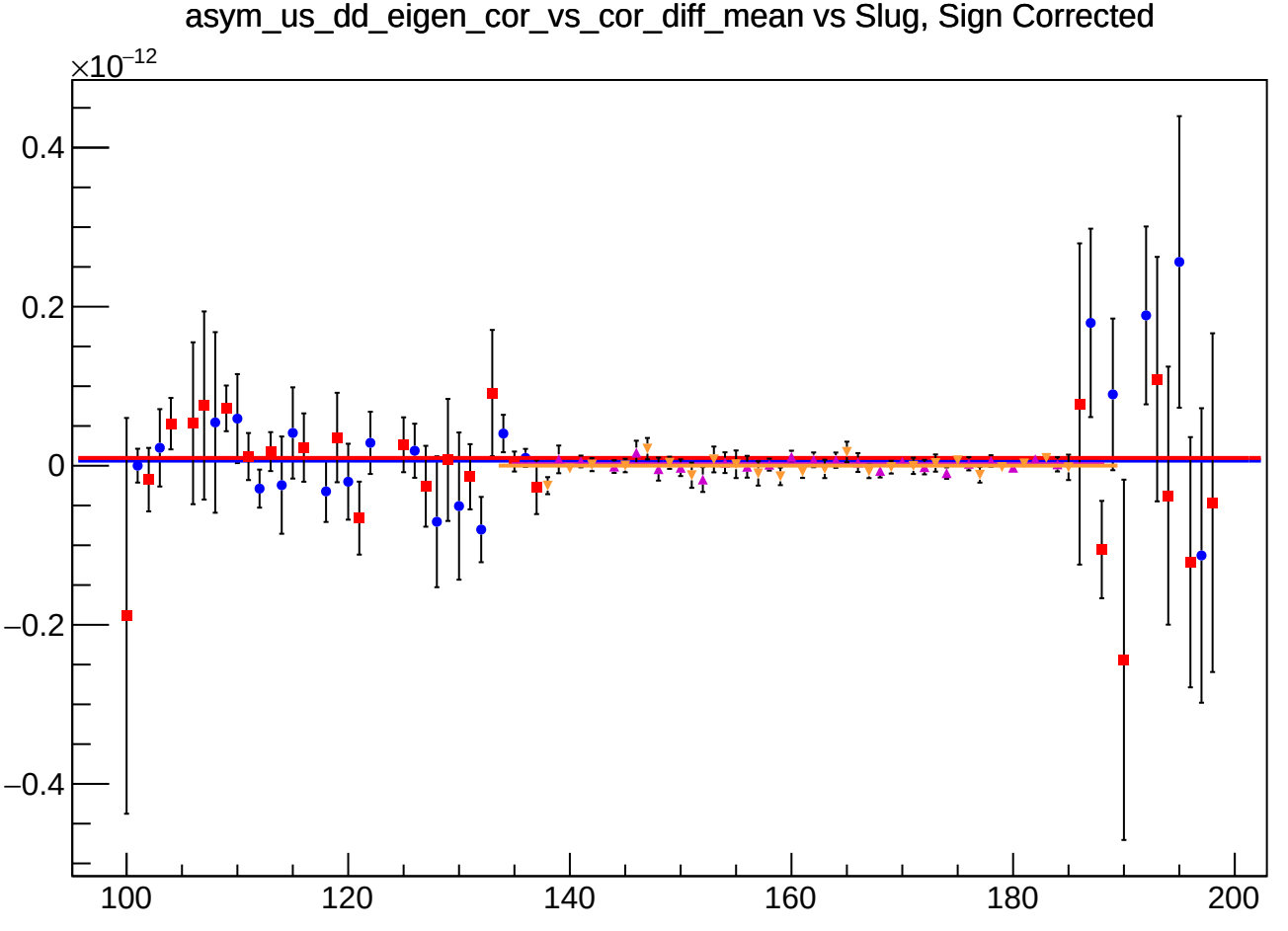
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 42.606+/-0.007 χ^2/NDF: 1268356.7/45

In: 42.331+/-0.006 χ^2/NDF:1822673.7/43

Out: 42.243+/-0.006 χ^2/NDF:2708997.8/48

All: 42.285+/-0.004 χ^2/NDF: 4531788.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 21.6/20

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

Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/24

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

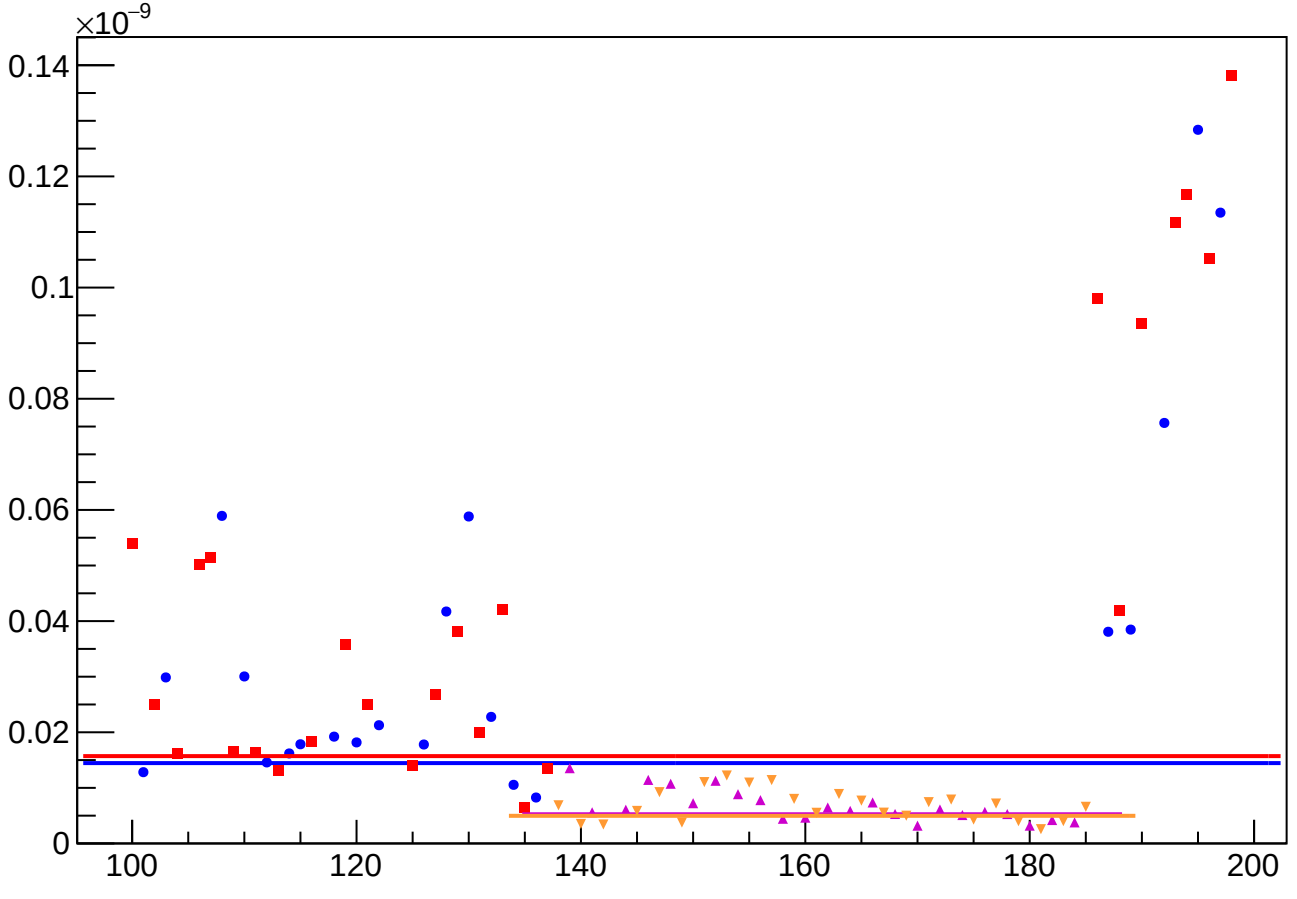
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 42.5/45

In: 0.000+/-0.000 χ^2/NDF:33.7/43

Out: 0.000+/-0.000 χ^2/NDF:43.5/48

All: 0.000+/-0.000 χ^2/NDF: 77.6/92



Right In: 0.000+/-0.000 χ^2/NDF: 4365164.5/20

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

Right Out: 0.000+/-0.000 χ^2/NDF: 6346230.4/24

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

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

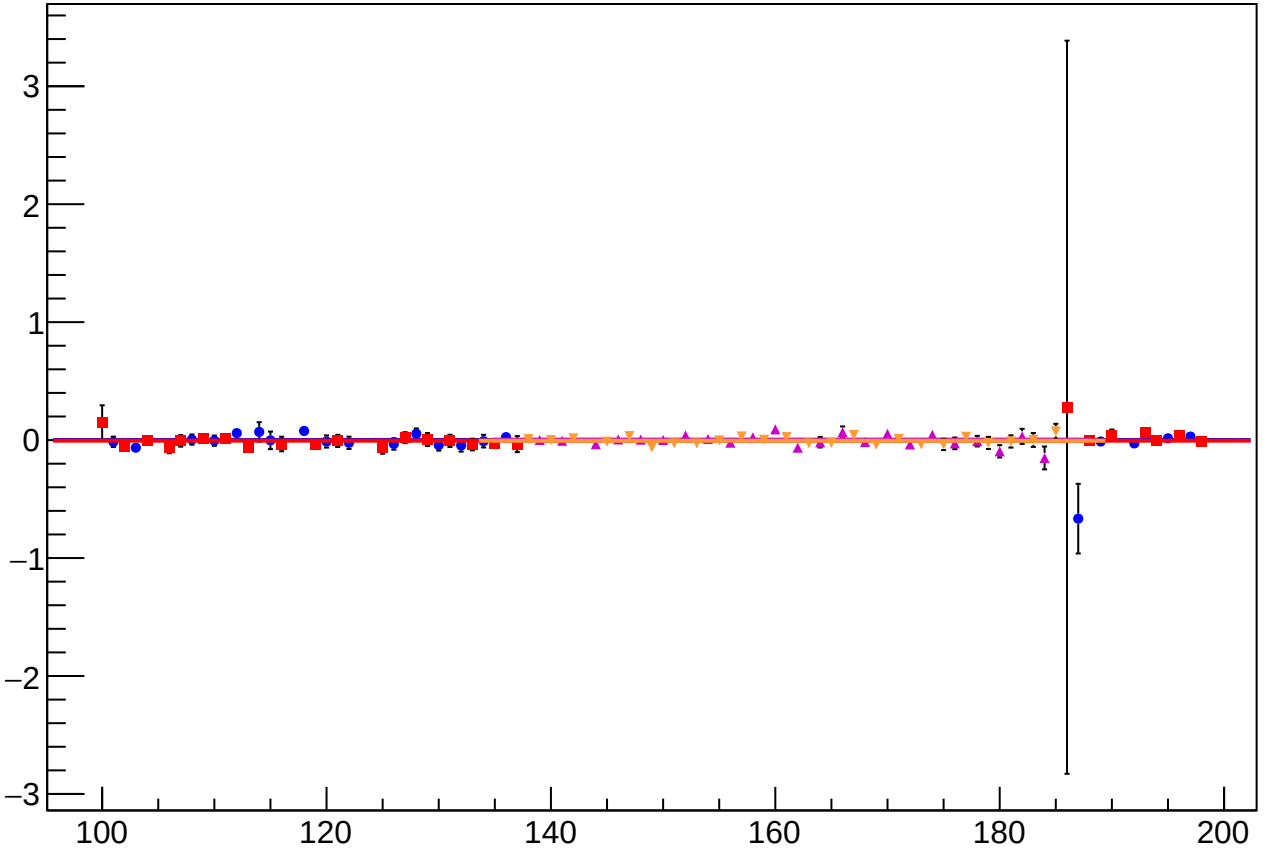
Right: 0.000+/-0.000 χ^2/NDF: 10739460.8/45

In: 0.000+/-0.000 χ^2/NDF:9983141.4/43

Out: 0.000+/-0.000 χ^2/NDF:13614178.4/48

All: 0.000+/-0.000 χ^2/NDF: 23626767.0/92

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.009 χ^2/NDF: 22.9/20

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

Right Out: -0.005+/-0.008 χ^2/NDF: 21.0/24

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

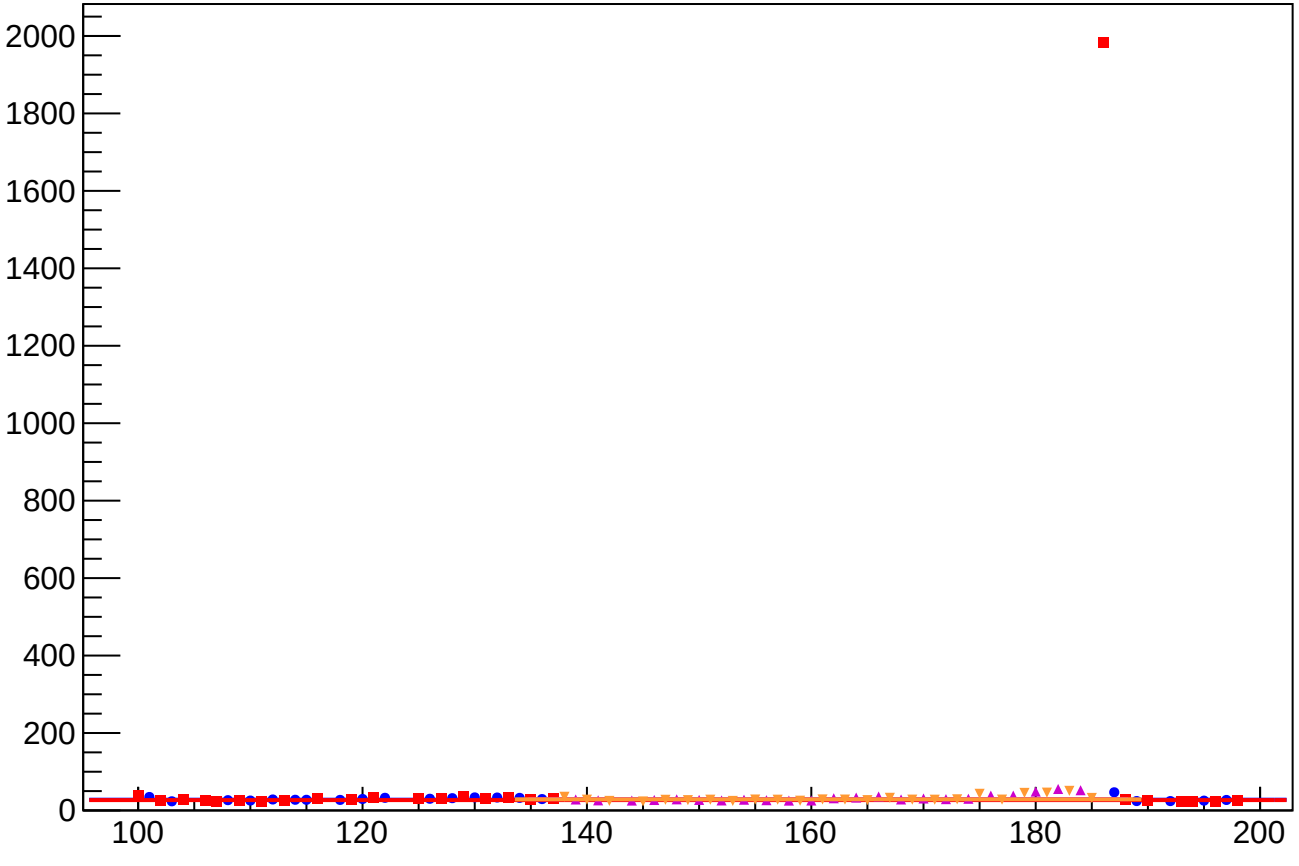
Right: -0.002+/-0.006 χ^2/NDF: 44.1/45

In: 0.003+/-0.006 χ^2/NDF:54.3/43

Out: -0.005+/-0.005 χ^2/NDF:37.7/48

All: -0.001+/-0.004 χ^2/NDF: 93.0/92

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.746+/-0.006 χ^2/NDF: 285389.0/20

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

Right Out: 26.764+/-0.006 χ^2/NDF: 1079739.3/24

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

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

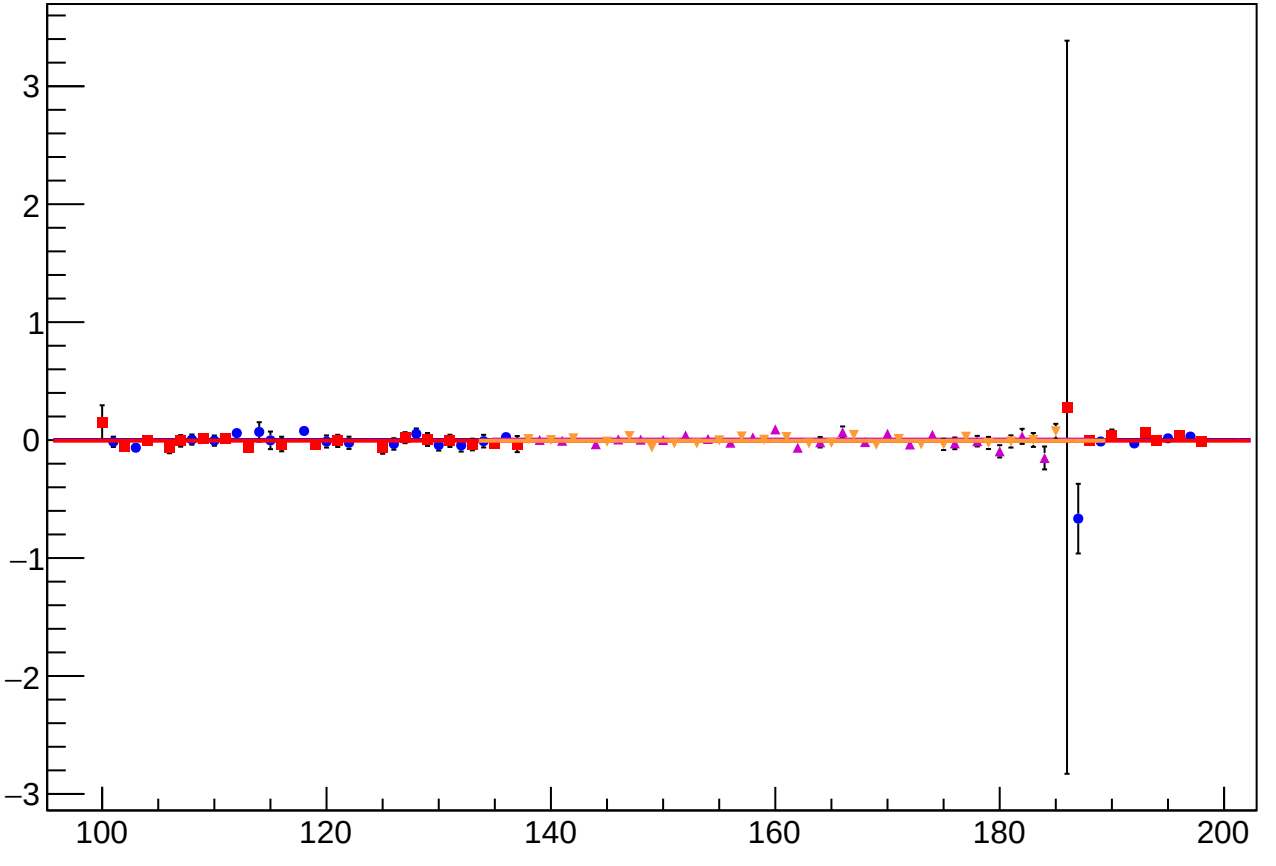
Right: 27.207+/-0.004 χ^2/NDF: 1378347.4/45

In: 28.664+/-0.004 χ^2/NDF:1460324.4/43

Out: 27.912+/-0.004 χ^2/NDF:2320684.4/48

All: 28.269+/-0.003 χ^2/NDF: 3799910.8/92

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.009 χ^2/NDF: 22.9/20

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

Right Out: -0.005+/-0.008 χ^2/NDF: 21.0/24

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

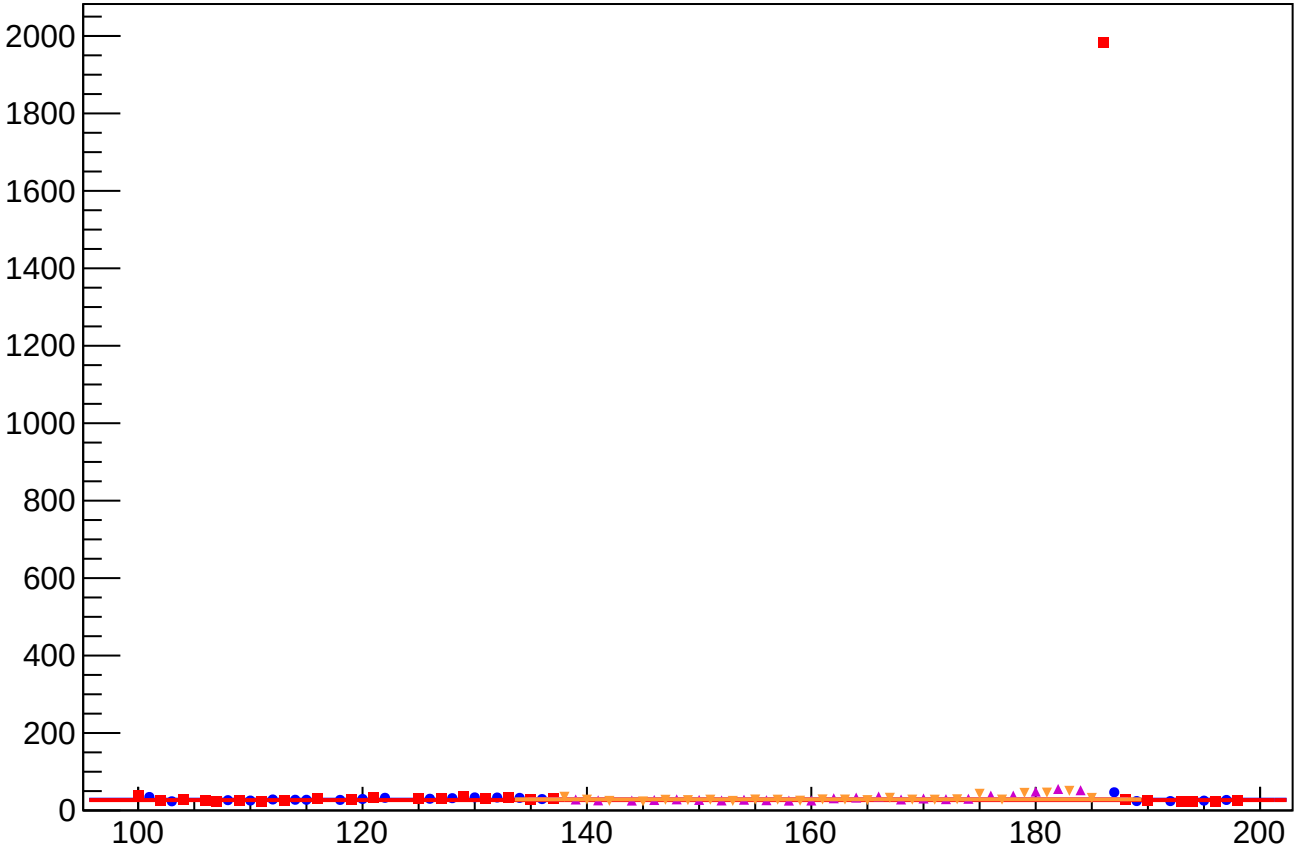
Right: -0.002+/-0.006 χ^2/NDF: 44.1/45

In: 0.003+/-0.006 χ^2/NDF:54.3/43

Out: -0.005+/-0.005 χ^2/NDF:37.7/48

All: -0.001+/-0.004 χ^2/NDF: 93.0/92

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.746+/-0.006 χ^2/NDF: 285389.0/20

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

Right Out: 26.764+/-0.006 χ^2/NDF: 1079739.3/24

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

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

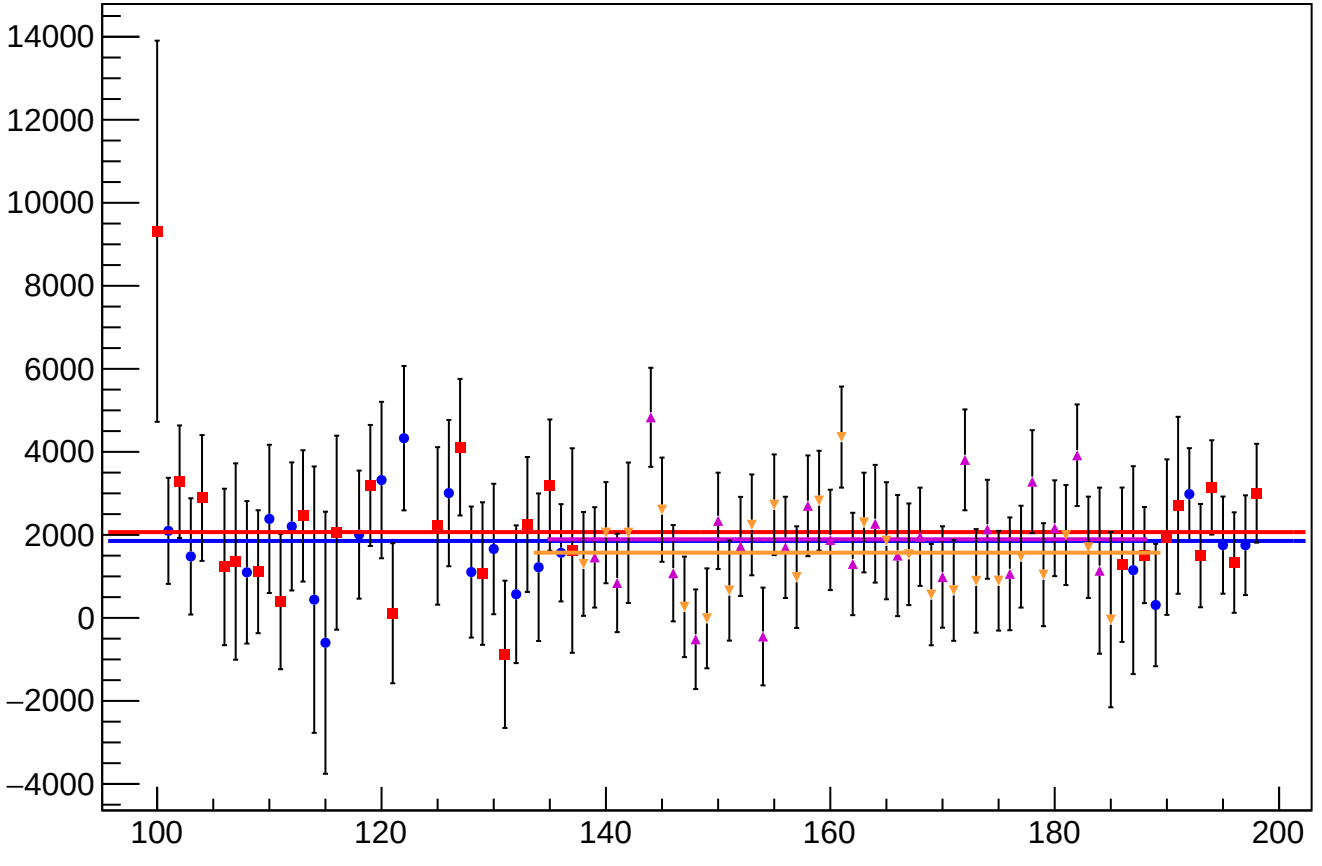
Right: 27.207+/-0.004 χ^2/NDF: 1378347.4/45

In: 28.664+/-0.004 χ^2/NDF:1460324.4/43

Out: 27.912+/-0.004 χ^2/NDF:2320684.4/48

All: 28.269+/-0.003 χ^2/NDF: 3799910.8/92

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 1853.832+/-336.719 χ^2/NDF: 7.6/20

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

Right Out: 2067.055+/-311.288 χ^2/NDF: 15.1/25

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

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

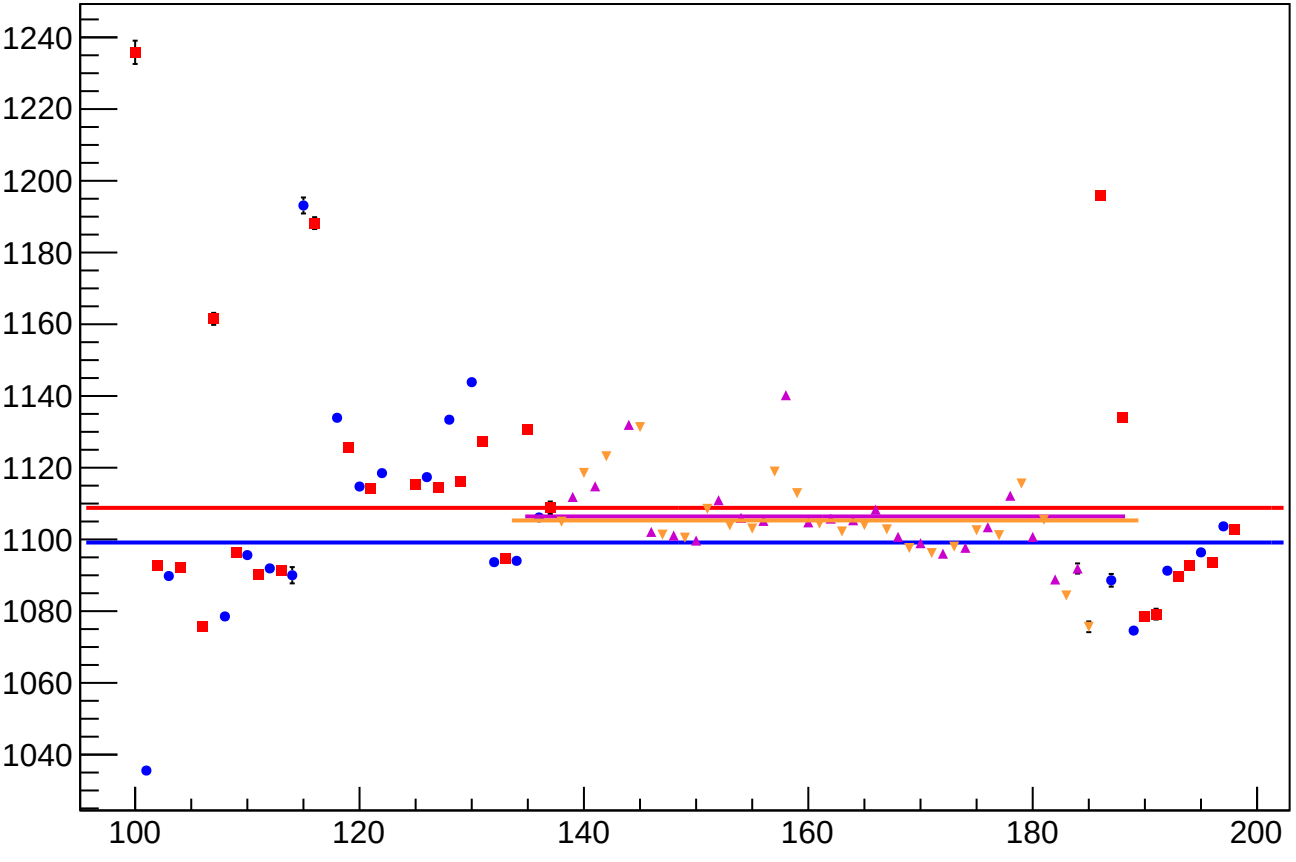
Right: 1968.799+/-228.576 χ^2/NDF: 22.9/46

In: 1878.705+/-204.964 χ^2/NDF:31.7/43

Out: 1771.669+/-197.971 χ^2/NDF:32.0/49

All: 1823.330+/-142.395 χ^2/NDF: 63.8/93

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1099.142+/-0.238 χ^2/NDF: 12190.6/20

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

Right Out: 1108.806+/-0.220 χ^2/NDF: 15240.3/25

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

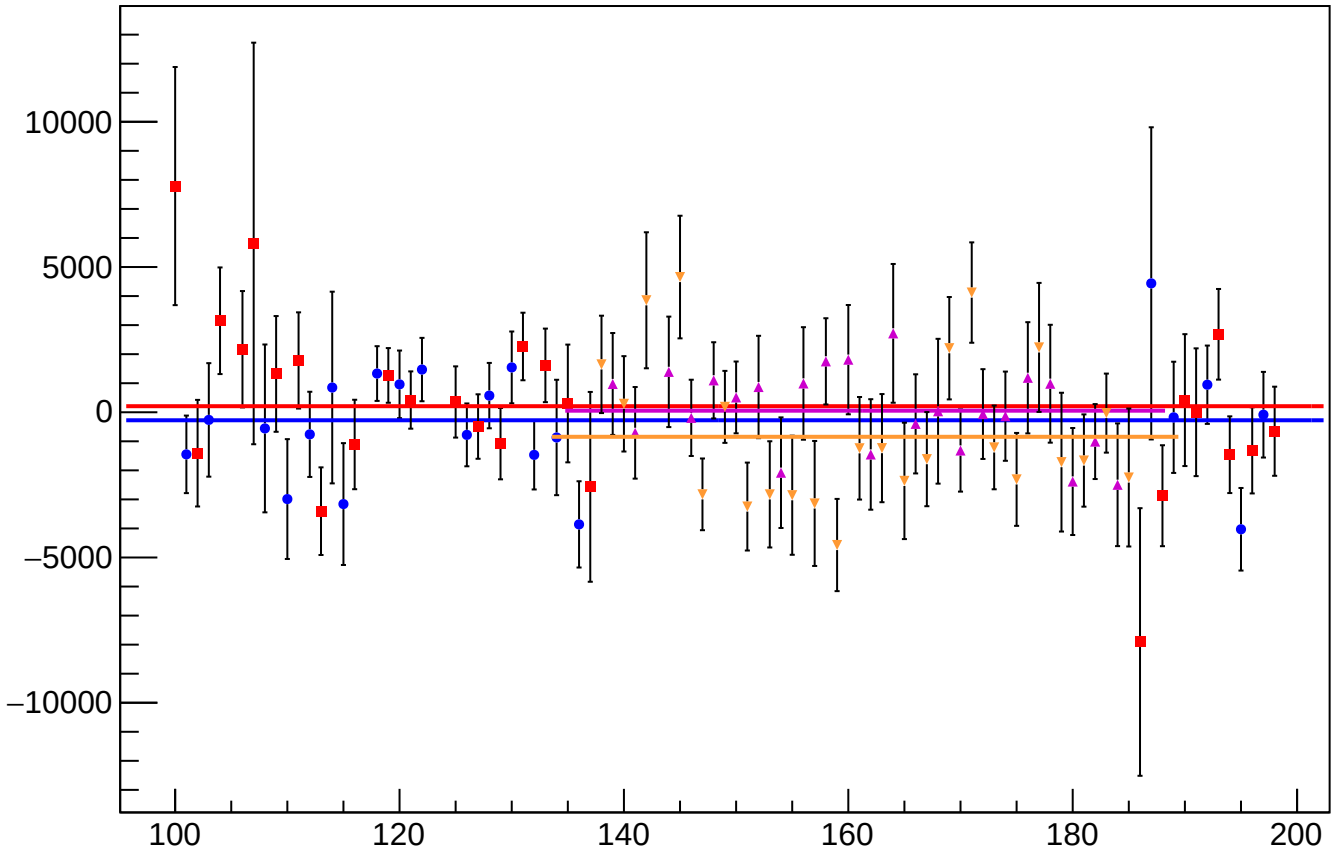
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1104.352+/-0.162 χ^2/NDF: 28319.1/46

In: 1103.714+/-0.145 χ^2/NDF:16552.8/43

Out: 1106.714+/-0.140 χ^2/NDF:18553.6/49

All: 1105.266+/-0.101 χ^2/NDF: 35328.2/93



Right In: -275.806+/-313.228 χ^2/NDF: 29.7/20

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

Right Out: 208.806+/-300.932 χ^2/NDF: 35.7/25

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

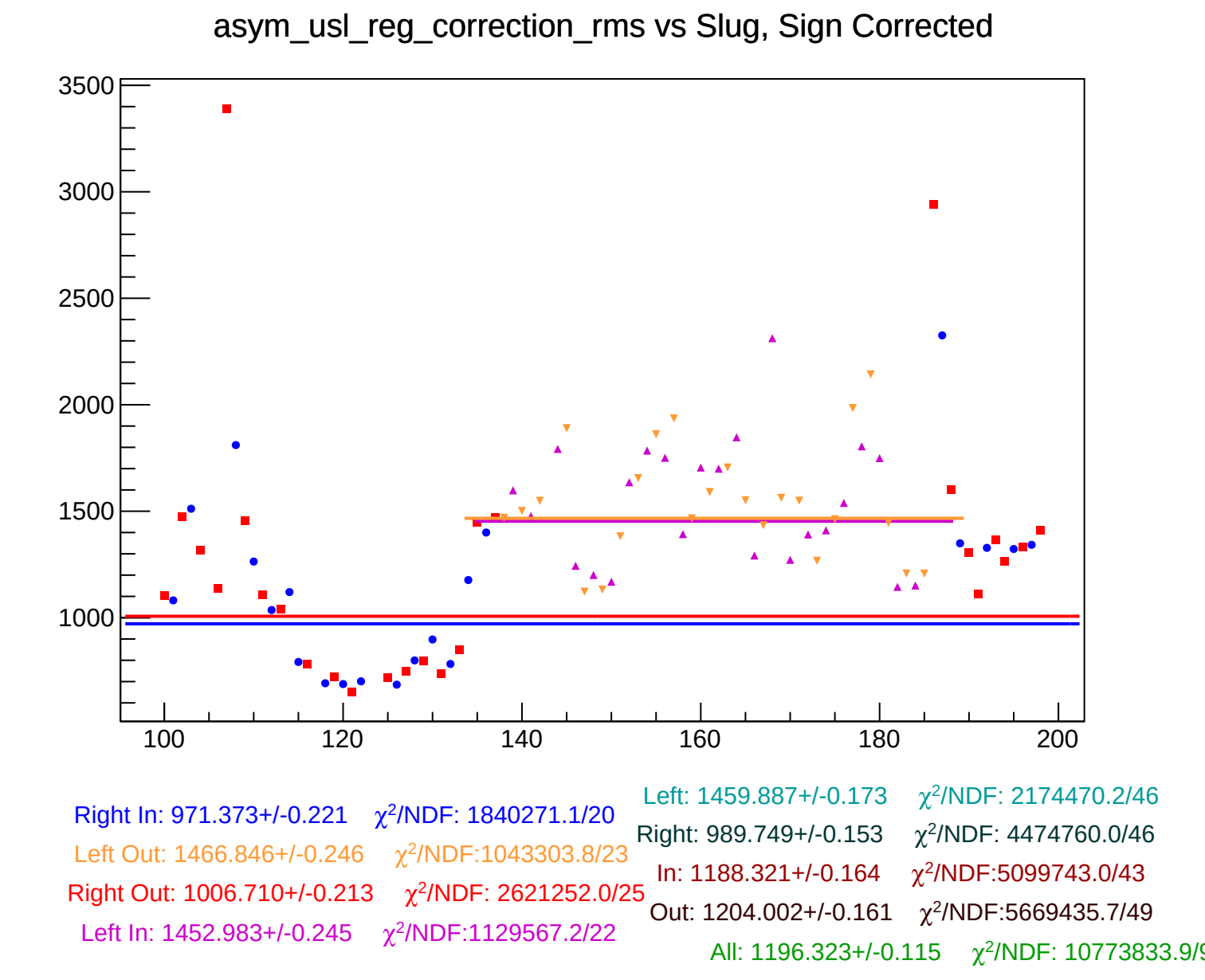
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: -23.802+/-217.008 χ^2/NDF: 66.7/46

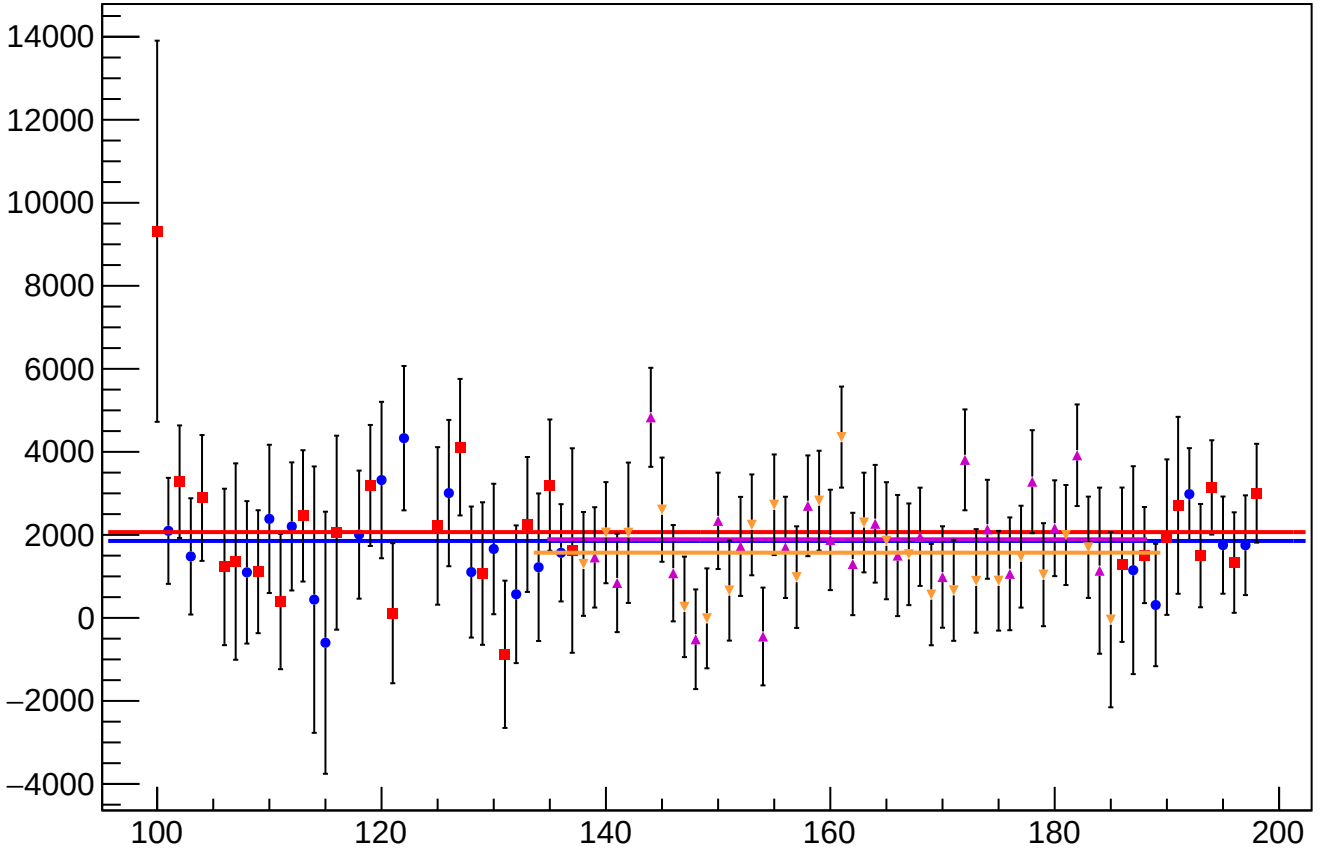
In: -127.084+/-232.198 χ^2/NDF:43.2/43

Out: -242.883+/-227.444 χ^2/NDF:85.1/49

All: -186.181+/-162.482 χ^2/NDF: 128.5/93


asym_usl_reg_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
Right In: 971.373+/-0.221 χ²/NDF: 1840271.1/20
Left Out: 1466.846+/-0.246 χ²/NDF:1043303.8/23
Right Out: 1006.710+/-0.213 χ²/NDF: 2621252.0/25
Left In: 1452.983+/-0.245 χ²/NDF:1129567.2/22
Left: 1459.887+/-0.173 χ²/NDF: 2174470.2/46
Right: 989.749+/-0.153 χ²/NDF: 4474760.0/46
In: 1188.321+/-0.164 χ²/NDF:5099743.0/43
Out: 1204.002+/-0.161 χ²/NDF:5669435.7/49
All: 1196.323+/-0.115 χ²/NDF: 10773833.9/9

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1853.832+/-336.719 χ^2/NDF: 7.6/20

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

Right Out: 2067.045+/-311.288 χ^2/NDF: 15.1/25

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

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

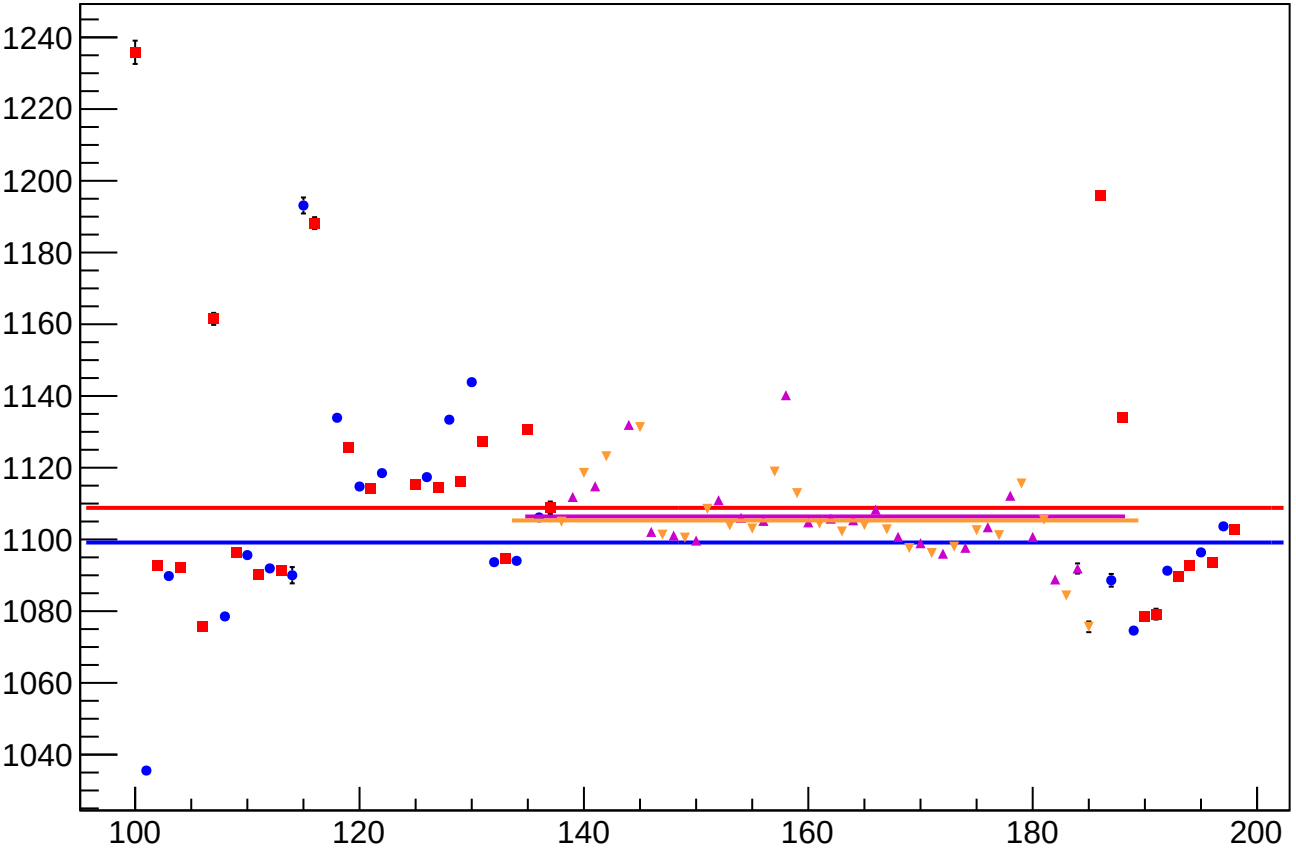
Right: 1968.793+/-228.576 χ^2/NDF: 22.9/46

In: 1878.705+/-204.964 χ^2/NDF:31.7/43

Out: 1771.665+/-197.971 χ^2/NDF:32.0/49

All: 1823.328+/-142.395 χ^2/NDF: 63.8/93

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1099.142+/-0.238 χ^2/NDF: 12190.6/20

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

Right Out: 1108.806+/-0.220 χ^2/NDF: 15240.3/25

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

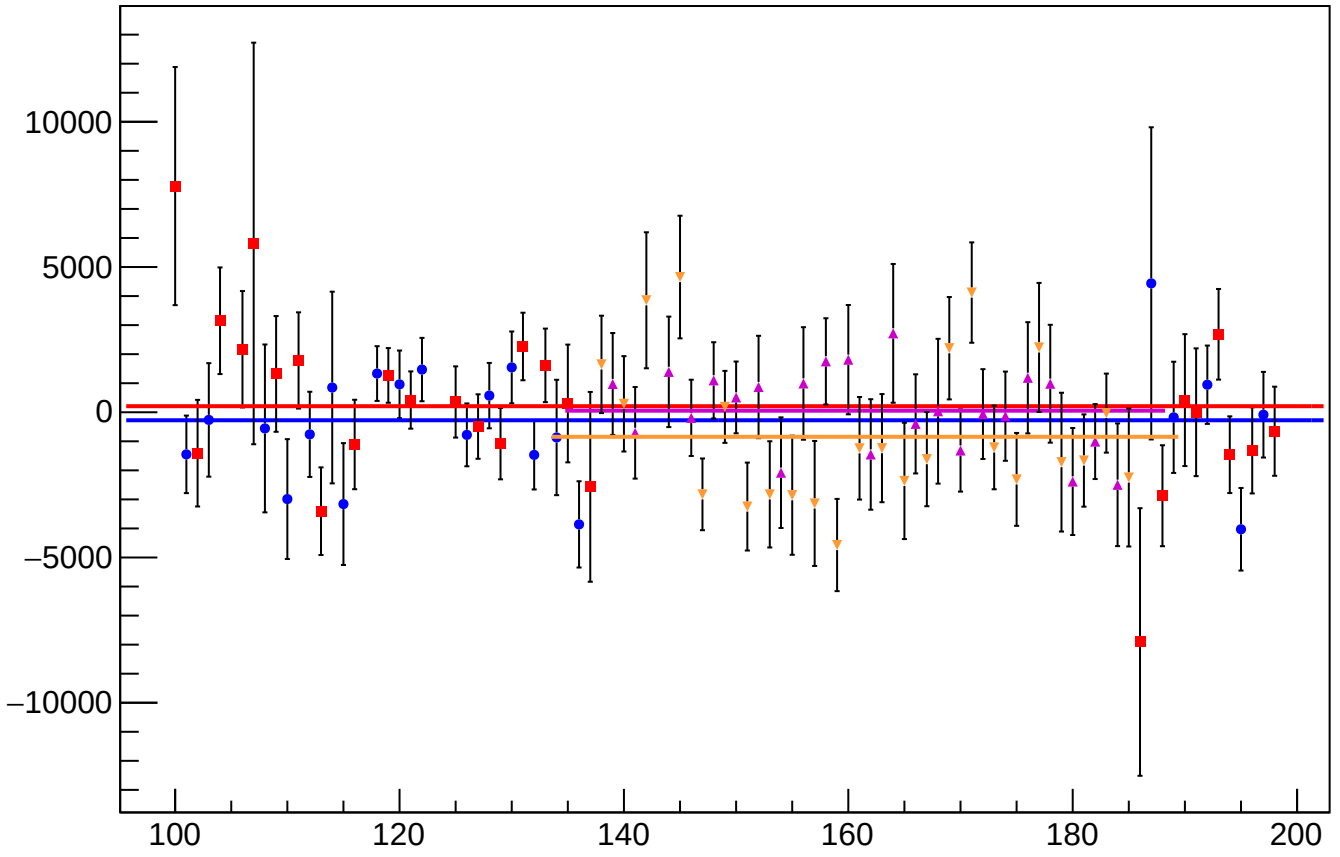
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1104.352+/-0.162 χ^2/NDF: 28319.1/46

In: 1103.714+/-0.145 χ^2/NDF:16552.8/43

Out: 1106.714+/-0.140 χ^2/NDF:18553.6/49

All: 1105.266+/-0.101 χ^2/NDF: 35328.2/93



Right In: -275.806+/-313.228 χ^2/NDF: 29.7/20

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

Right Out: 208.805+/-300.932 χ^2/NDF: 35.7/25

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

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

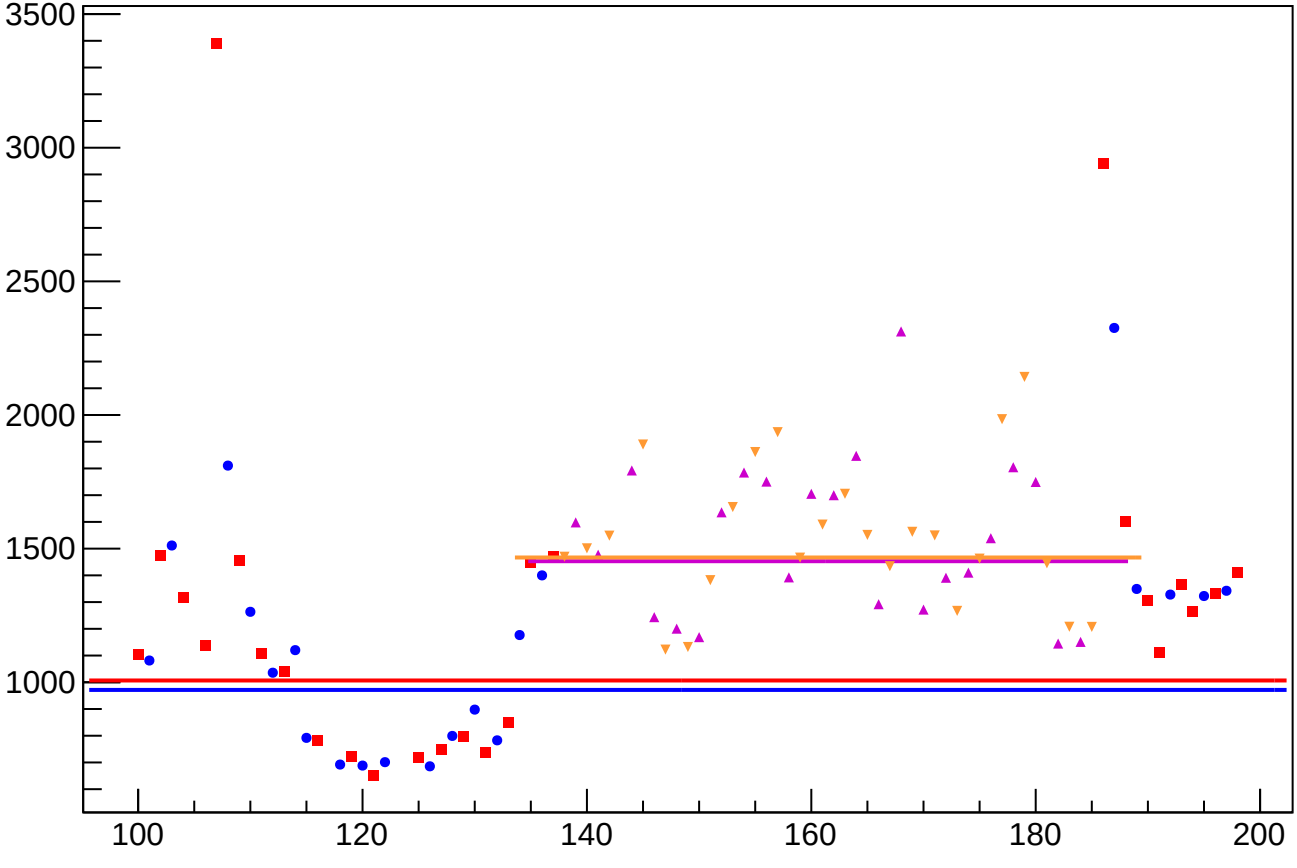
Right: -23.802+/-217.008 χ^2/NDF: 66.7/46

In: -127.084+/-232.198 χ^2/NDF:43.2/43

Out: -242.883+/-227.444 χ^2/NDF:85.1/49

All: -186.181+/-162.482 χ^2/NDF: 128.5/93

asym_usl_cor_correction_rms vs Slug, Sign Corrected



Right In: 971.373+/-0.221 χ^2/NDF: 1840271.1/20

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

Right Out: 1006.710+/-0.213 χ^2/NDF: 2621251.0/25

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

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

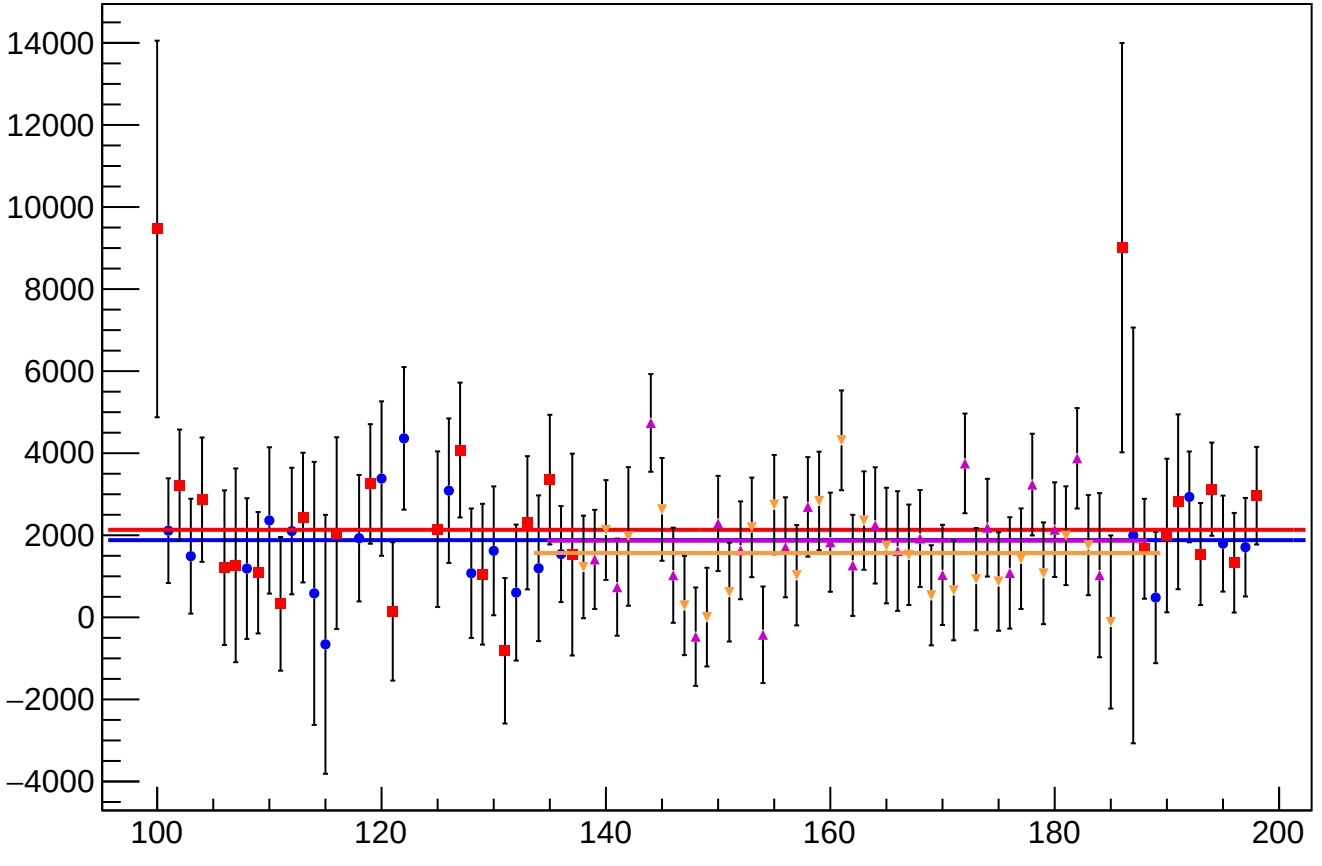
Right: 989.749+/-0.153 χ^2/NDF: 4474758.8/46

In: 1188.321+/-0.164 χ^2/NDF:5099743.0/43

Out: 1204.002+/-0.161 χ^2/NDF:5669436.7/49

All: 1196.323+/-0.115 χ^2/NDF: 10773834.9/9

overload_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1881.610+/-340.131 χ^2/NDF: 7.1/20

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

Right Out: 2133.305+/-316.075 χ^2/NDF: 16.9/25

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

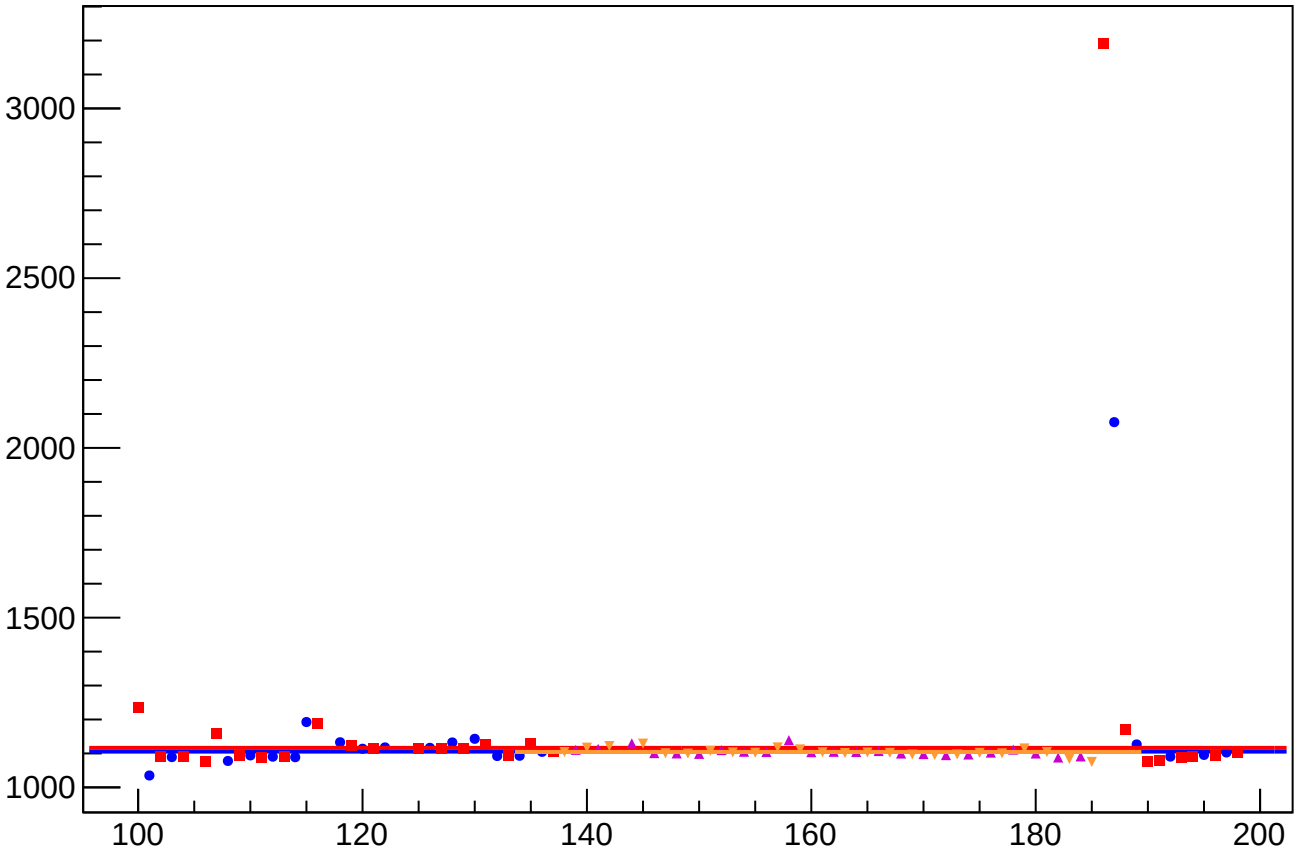
Left: 1718.009+/-181.862 χ^2/NDF: 39.5/46

Right: 2016.672+/-231.536 χ^2/NDF: 24.3/46

In: 1873.825+/-205.605 χ^2/NDF:30.5/43

Out: 1792.721+/-199.073 χ^2/NDF:34.2/49

All: 1831.964+/-143.019 χ^2/NDF: 64.8/93



Right In: 1105.440+/-0.241 χ^2/NDF: 85768.5/20

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

Right Out: 1116.367+/-0.223 χ^2/NDF: 362275.8/25

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

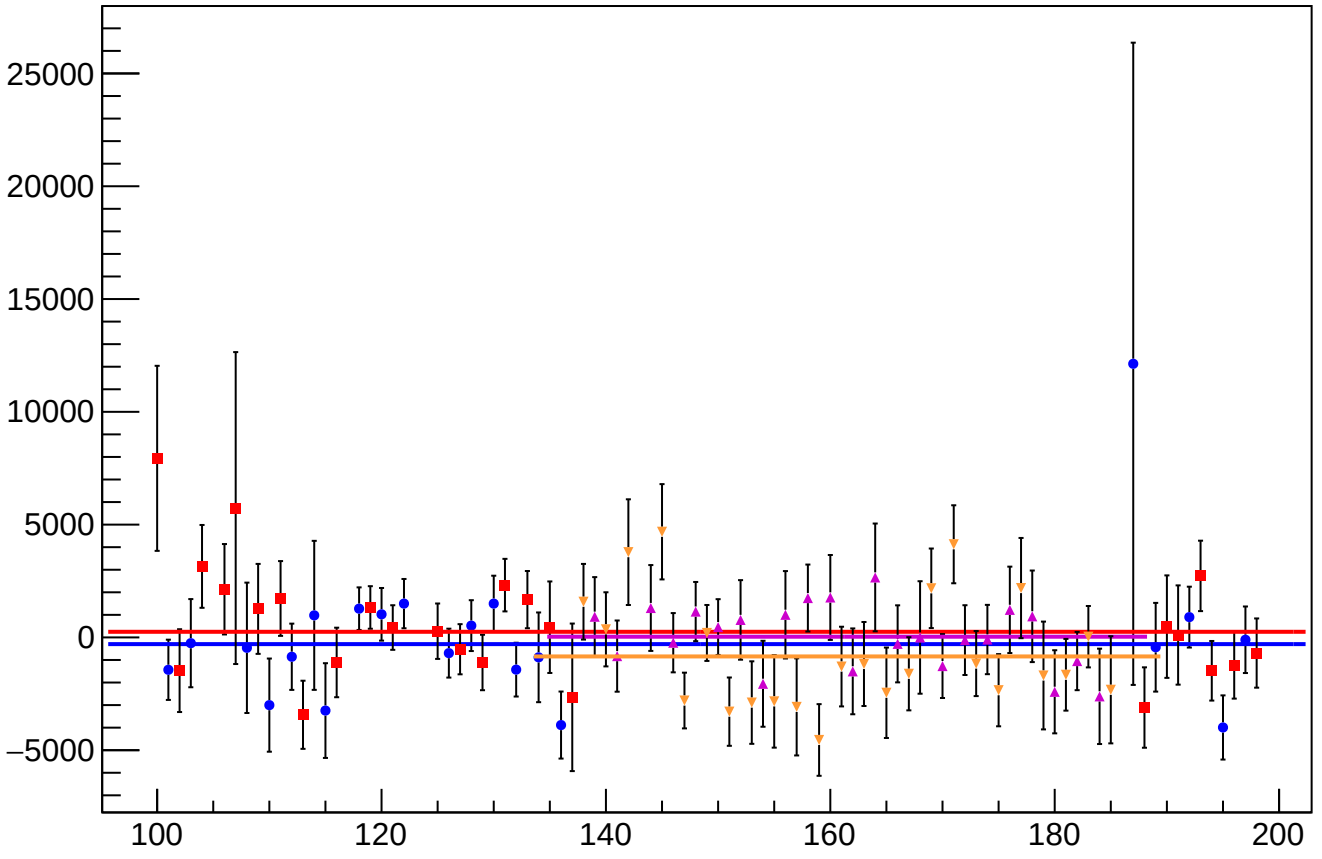
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

Right: 1111.304+/-0.164 χ^2/NDF: 449151.9/46

In: 1105.402+/-0.145 χ^2/NDF:89429.6/43

Out: 1109.062+/-0.141 χ^2/NDF:367046.0/49

All: 1107.291+/-0.101 χ^2/NDF: 456802.6/93



Right In: -297.132+/-314.332 χ^2/NDF: 29.4/20

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

Right Out: 249.299+/-302.211 χ^2/NDF: 33.6/24

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

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

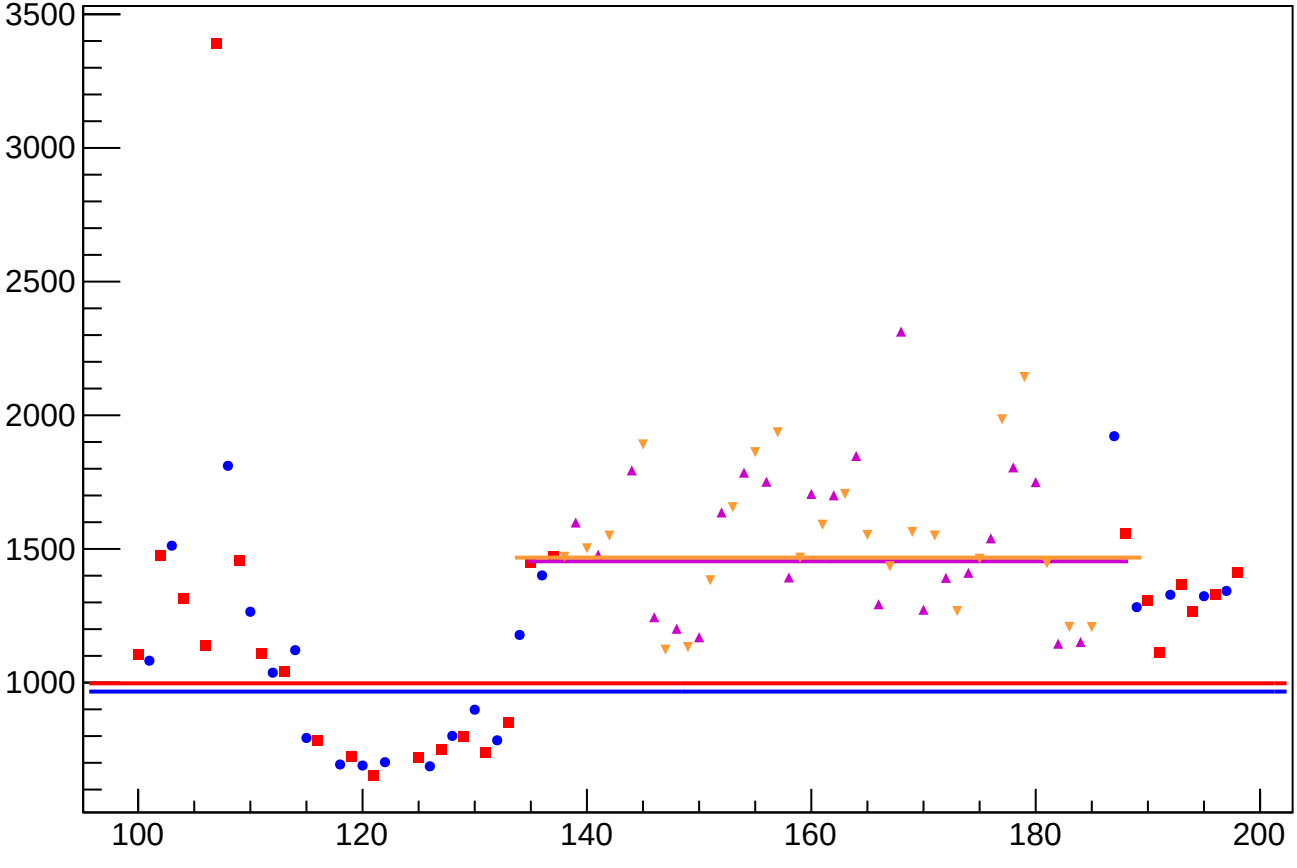
Right: -13.178+/-217.855 χ^2/NDF: 64.5/45

In: -148.664+/-232.706 χ^2/NDF:42.9/43

Out: -221.140+/-228.049 χ^2/NDF:83.3/48

All: -185.635+/-162.876 χ^2/NDF: 126.2/92

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 966.475+/-0.222 χ^2/NDF: 1686020.6/20

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

Right Out: 997.486+/-0.214 χ^2/NDF: 2212778.0/24

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

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

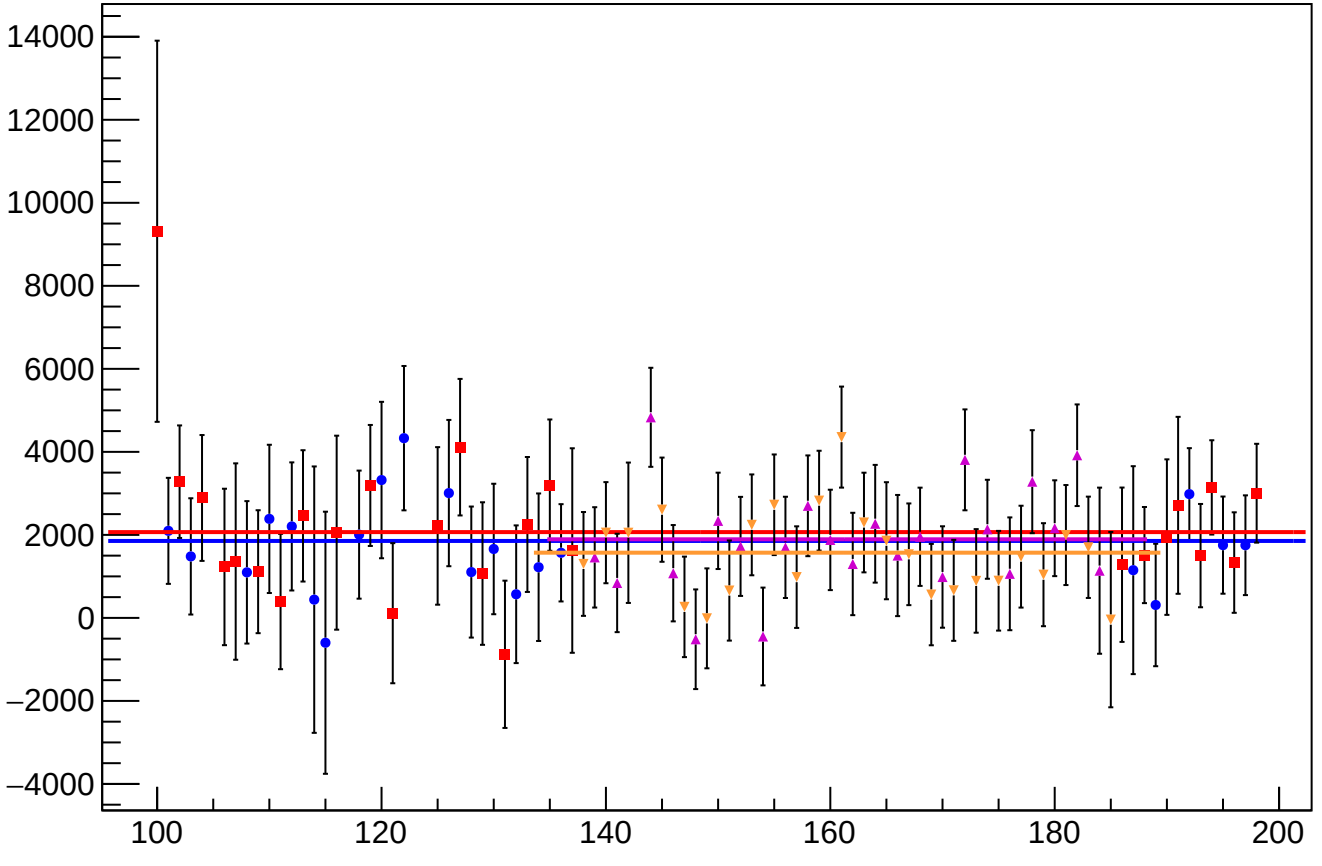
Right: 982.590+/-0.154 χ^2/NDF: 3908914.5/45

In: 1186.727+/-0.165 χ^2/NDF:4986827.9/43

Out: 1199.948+/-0.161 χ^2/NDF:5339362.3/48

All: 1193.471+/-0.115 χ^2/NDF: 10329483.3/9

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1853.832+/-336.719 χ^2/NDF: 7.6/20

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

Right Out: 2067.045+/-311.288 χ^2/NDF: 15.1/25

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

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

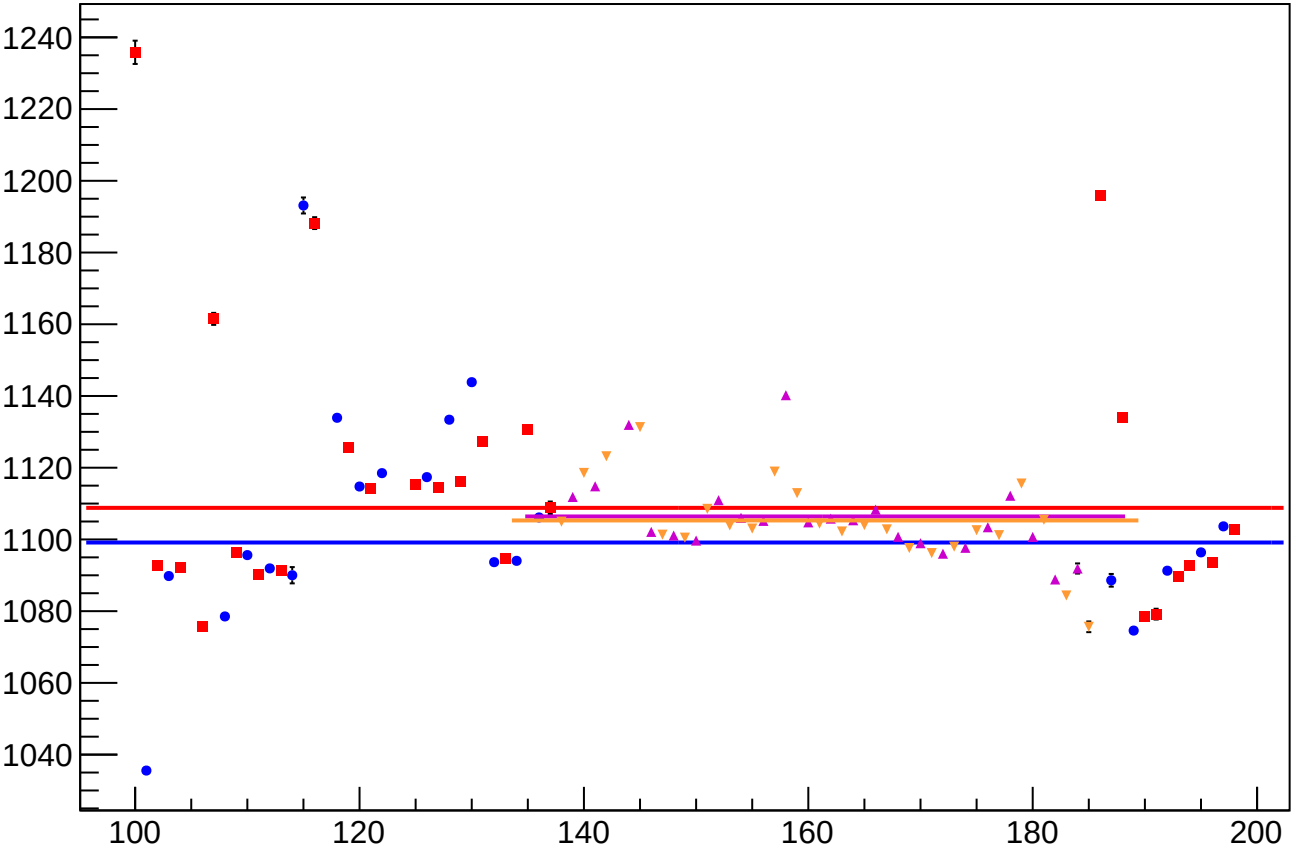
Right: 1968.793+/-228.576 χ^2/NDF: 22.9/46

In: 1878.705+/-204.964 χ^2/NDF:31.7/43

Out: 1771.665+/-197.971 χ^2/NDF:32.0/49

All: 1823.328+/-142.395 χ^2/NDF: 63.8/93

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1099.142+/-0.238 χ^2/NDF: 12190.6/20

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

Right Out: 1108.806+/-0.220 χ^2/NDF: 15240.3/25

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

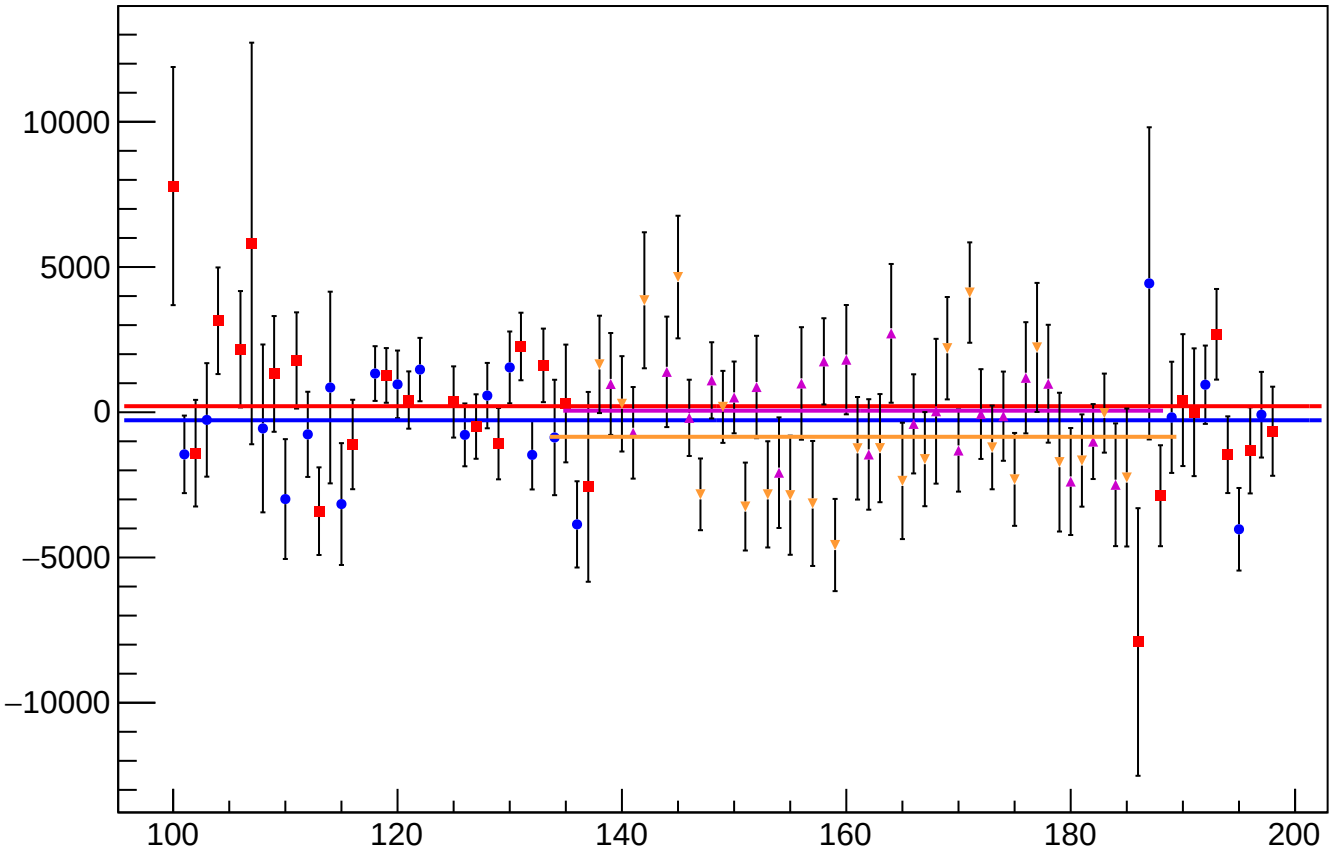
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1104.352+/-0.162 χ^2/NDF: 28319.1/46

In: 1103.714+/-0.145 χ^2/NDF:16552.8/43

Out: 1106.714+/-0.140 χ^2/NDF:18553.6/49

All: 1105.266+/-0.101 χ^2/NDF: 35328.2/93



Right In: -275.806+/-313.228 χ^2/NDF: 29.7/20

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

Right Out: 208.805+/-300.932 χ^2/NDF: 35.7/25

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

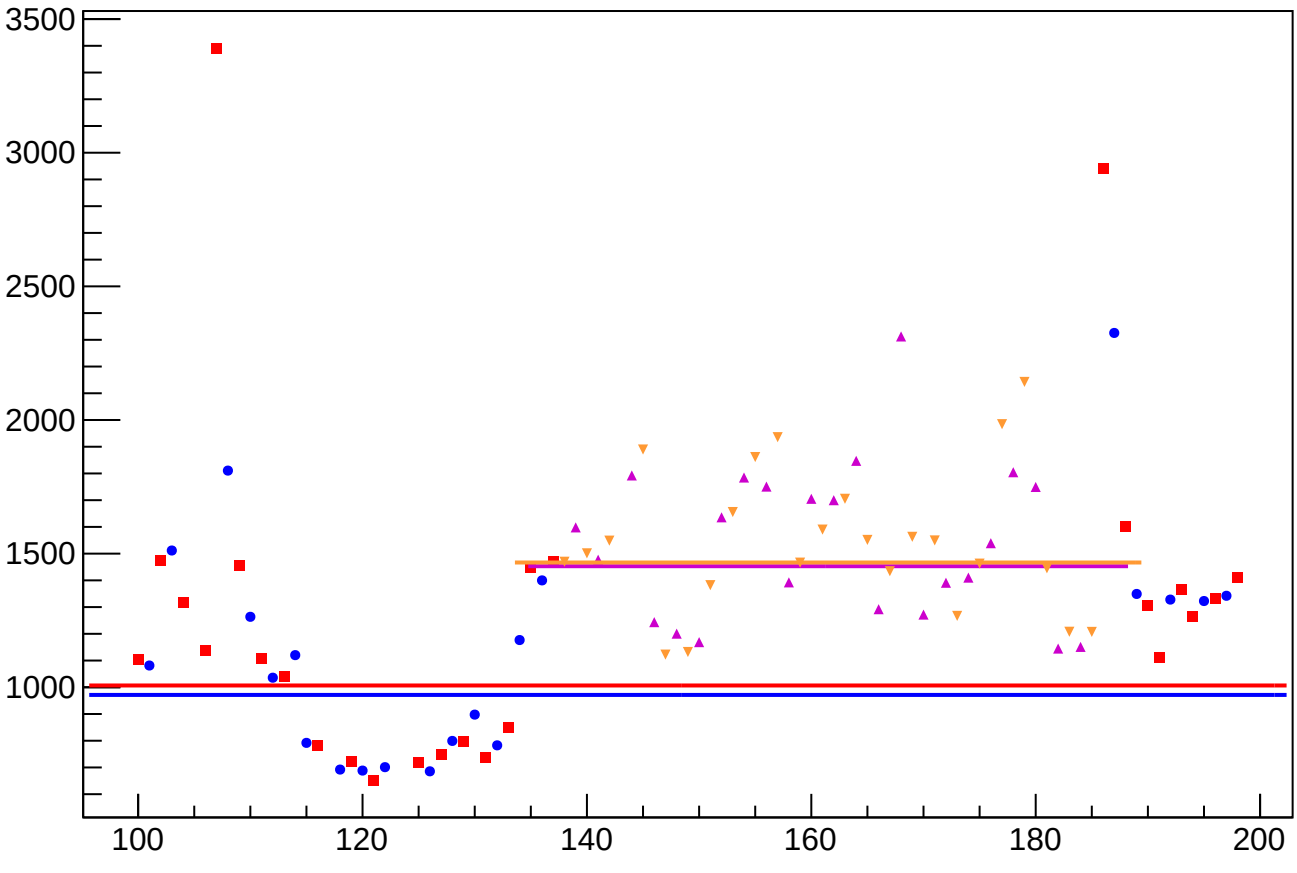
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: -23.802+/-217.008 χ^2/NDF: 66.7/46

In: -127.084+/-232.198 χ^2/NDF:43.2/43

Out: -242.883+/-227.444 χ^2/NDF:85.1/49

All: -186.181+/-162.482 χ^2/NDF: 128.5/93



Right In: 971.373+/-0.221 χ^2/NDF: 1840271.1/20

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

Right Out: 1006.710+/-0.213 χ^2/NDF: 2621251.0/25

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

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

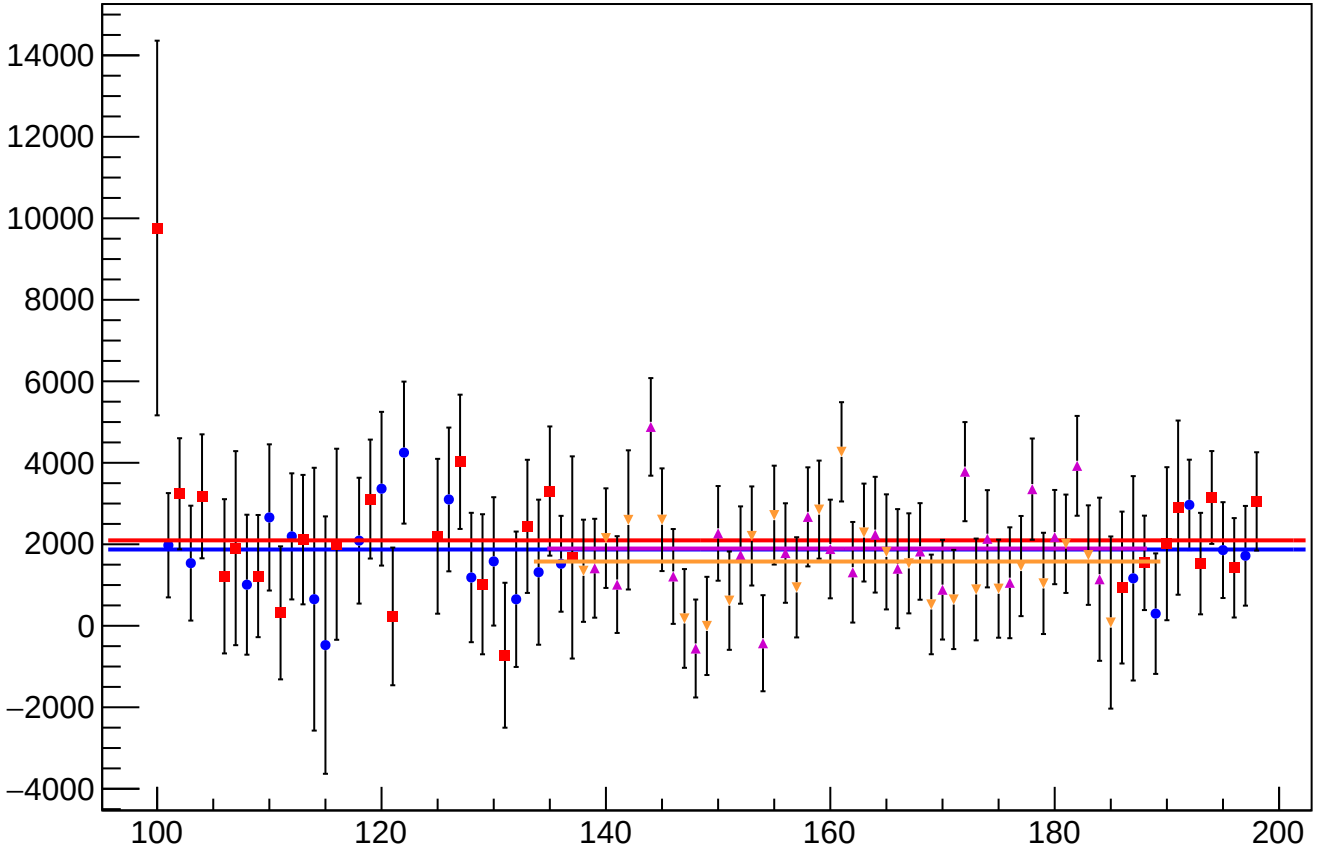
Right: 989.749+/-0.153 χ^2/NDF: 4474758.8/46

In: 1188.321+/-0.164 χ^2/NDF:5099743.0/43

Out: 1204.002+/-0.161 χ^2/NDF:5669436.7/49

All: 1196.323+/-0.115 χ^2/NDF: 10773834.9/9

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1872.223+/-338.081 χ^2/NDF: 7.4/20

Left Out: 1577.402+/-257.003 χ^2/NDF:15.5/23

Right Out: 2096.532+/-312.553 χ^2/NDF: 15.1/25

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

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

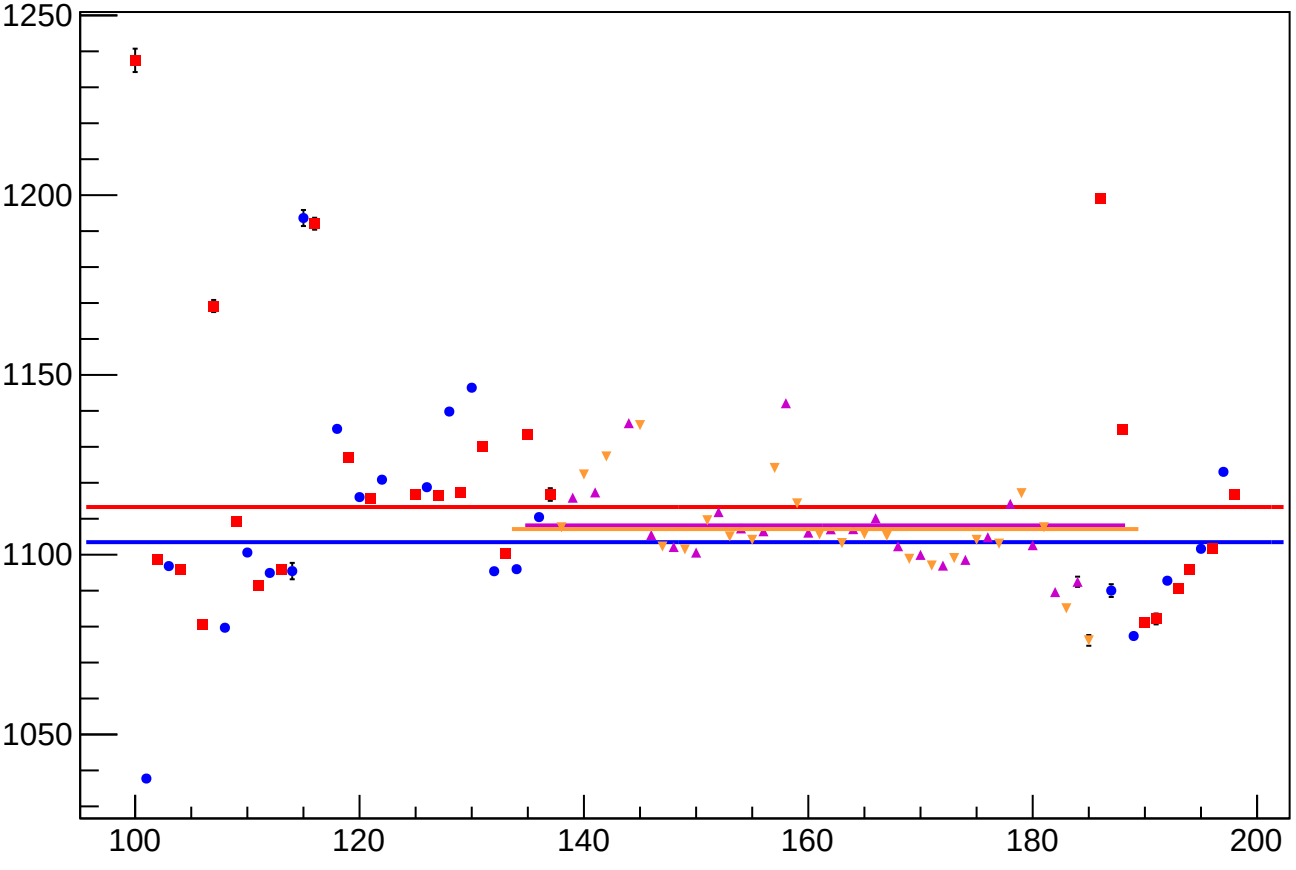
Right: 1993.165+/-229.503 χ^2/NDF: 22.8/46

In: 1886.932+/-205.476 χ^2/NDF:31.5/43

Out: 1786.813+/-198.511 χ^2/NDF:32.3/49

All: 1835.146+/-142.767 χ^2/NDF: 63.9/93

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1103.488+/-0.239 χ^2/NDF: 12755.6/20

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1113.260+/-0.221 χ^2/NDF: 14609.9/25

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

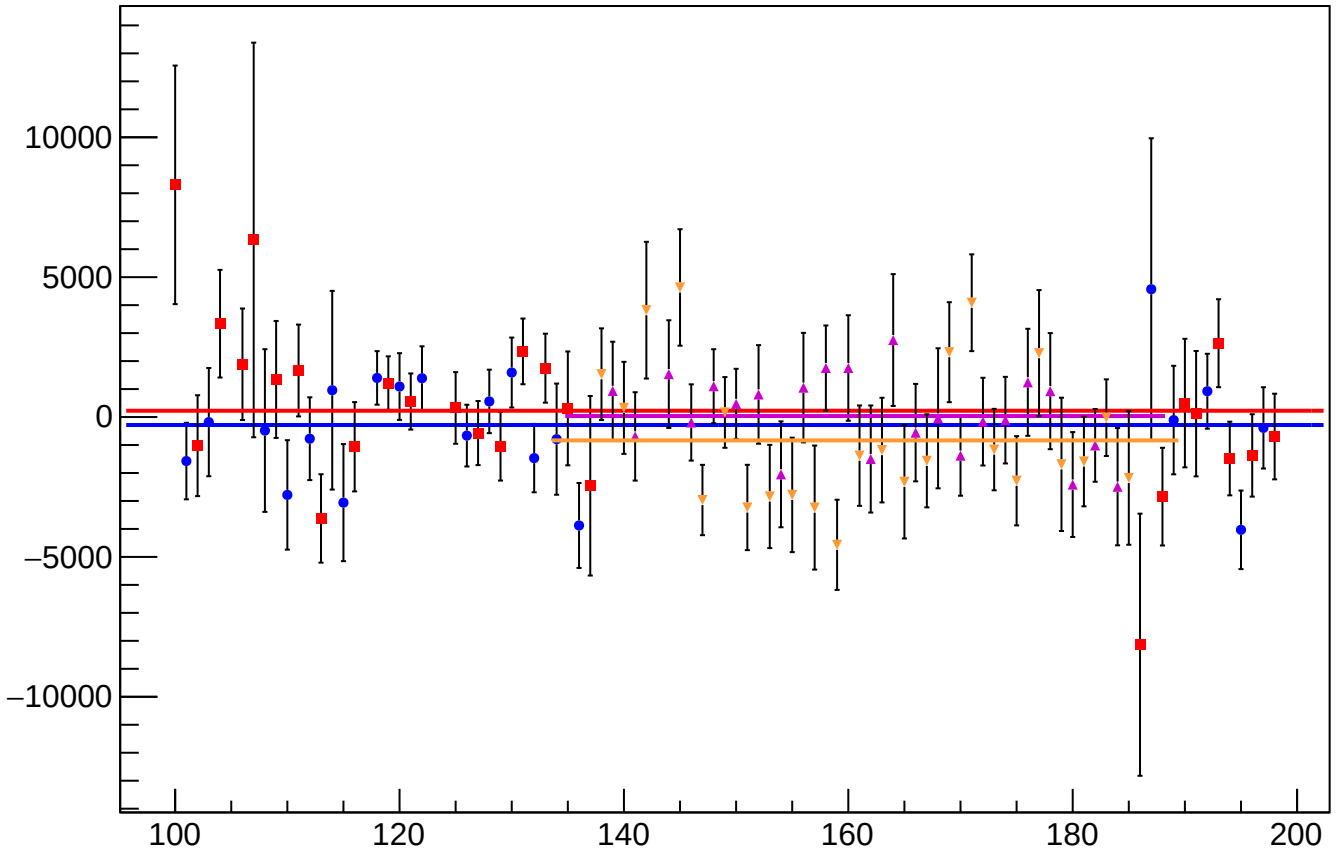
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1108.757+/-0.162 χ^2/NDF: 28266.5/46

In: 1106.425+/-0.145 χ^2/NDF:17185.5/43

Out: 1109.601+/-0.140 χ^2/NDF:18853.2/49

All: 1108.068+/-0.101 χ^2/NDF: 36285.8/93



Right In: -284.957+/-317.165 χ^2/NDF: 29.4/20

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

Right Out: 225.551+/-304.625 χ^2/NDF: 35.9/25

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

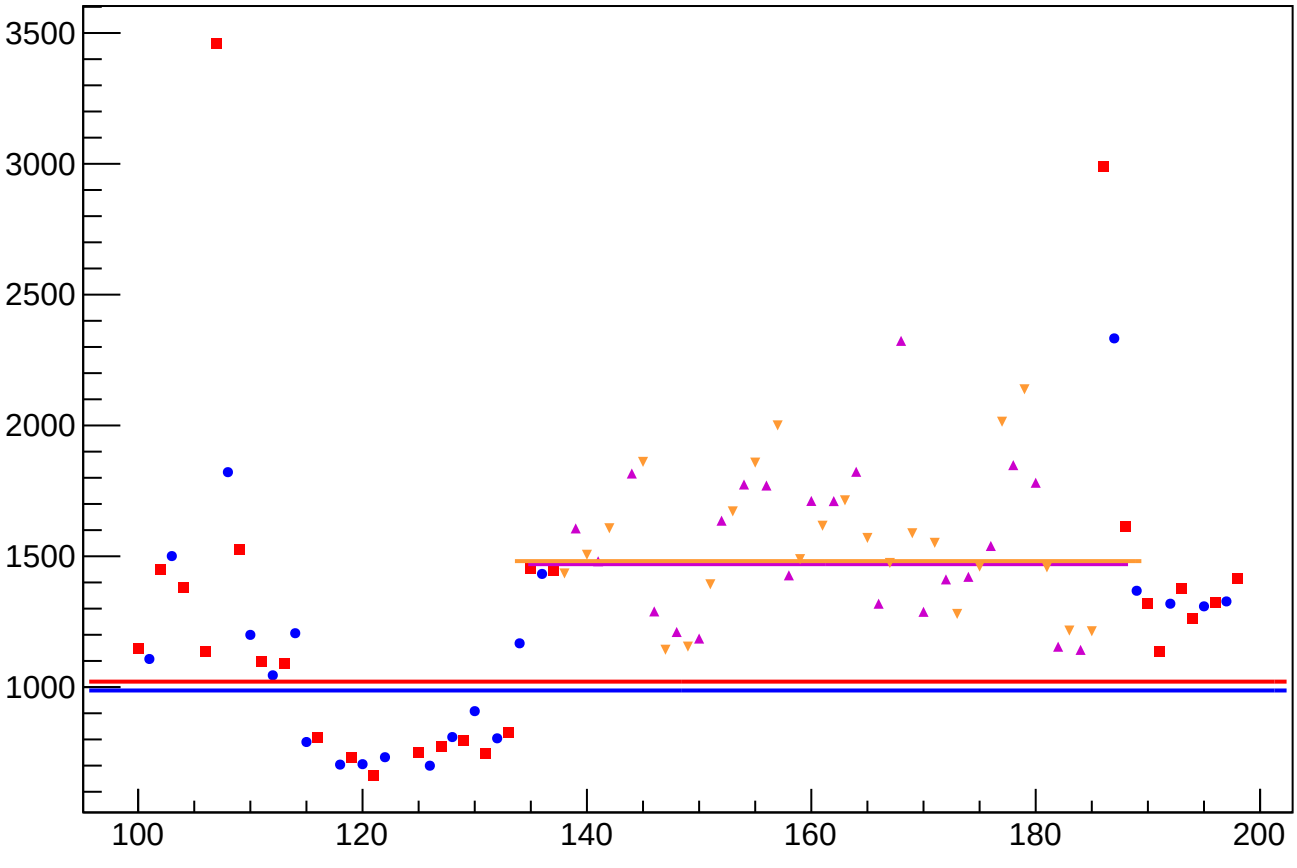
Left: -398.668+/-247.575 χ^2/NDF: 59.8/46

Right: -19.411+/-219.702 χ^2/NDF: 66.6/46

In: -140.289+/-234.912 χ^2/NDF:43.0/43

Out: -230.775+/-229.955 χ^2/NDF:84.6/49

All: -186.497+/-164.328 χ^2/NDF: 127.7/93



Right In: 987.109+/-0.224 χ^2/NDF: 1724980.8/20

Left Out: 1481.543+/-0.248 χ^2/NDF:1017463.8/23

Right Out: 1020.949+/-0.215 χ^2/NDF: 2572276.2/25

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

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

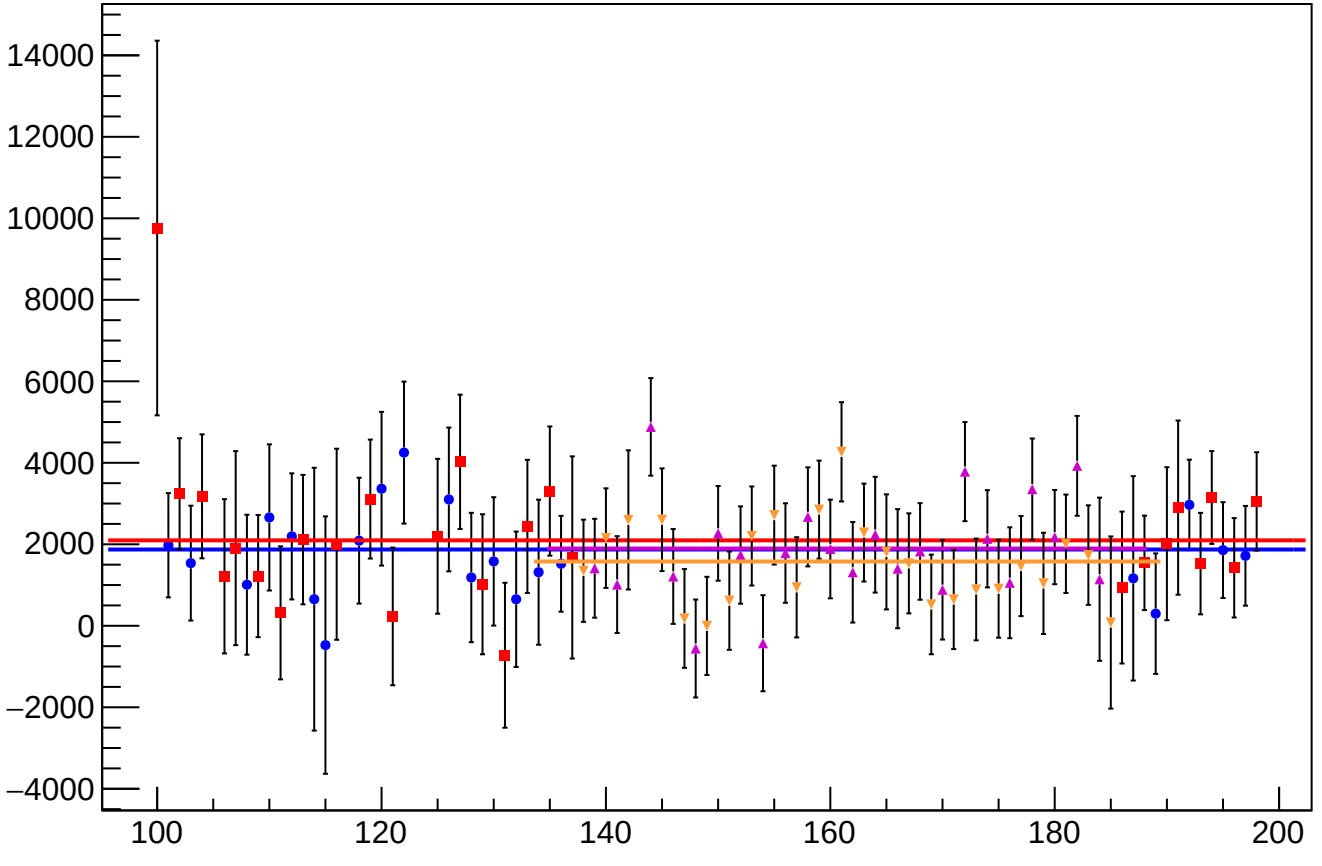
Right: 1004.711+/-0.155 χ^2/NDF: 4309100.2/46

In: 1205.053+/-0.166 χ^2/NDF:4912074.0/43

Out: 1219.077+/-0.163 χ^2/NDF:5556545.0/49

All: 1212.215+/-0.116 χ^2/NDF: 10472258.6/9

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1872.222+/-338.081 χ^2/NDF: 7.4/20

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

Right Out: 2096.530+/-312.553 χ^2/NDF: 15.1/25

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

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

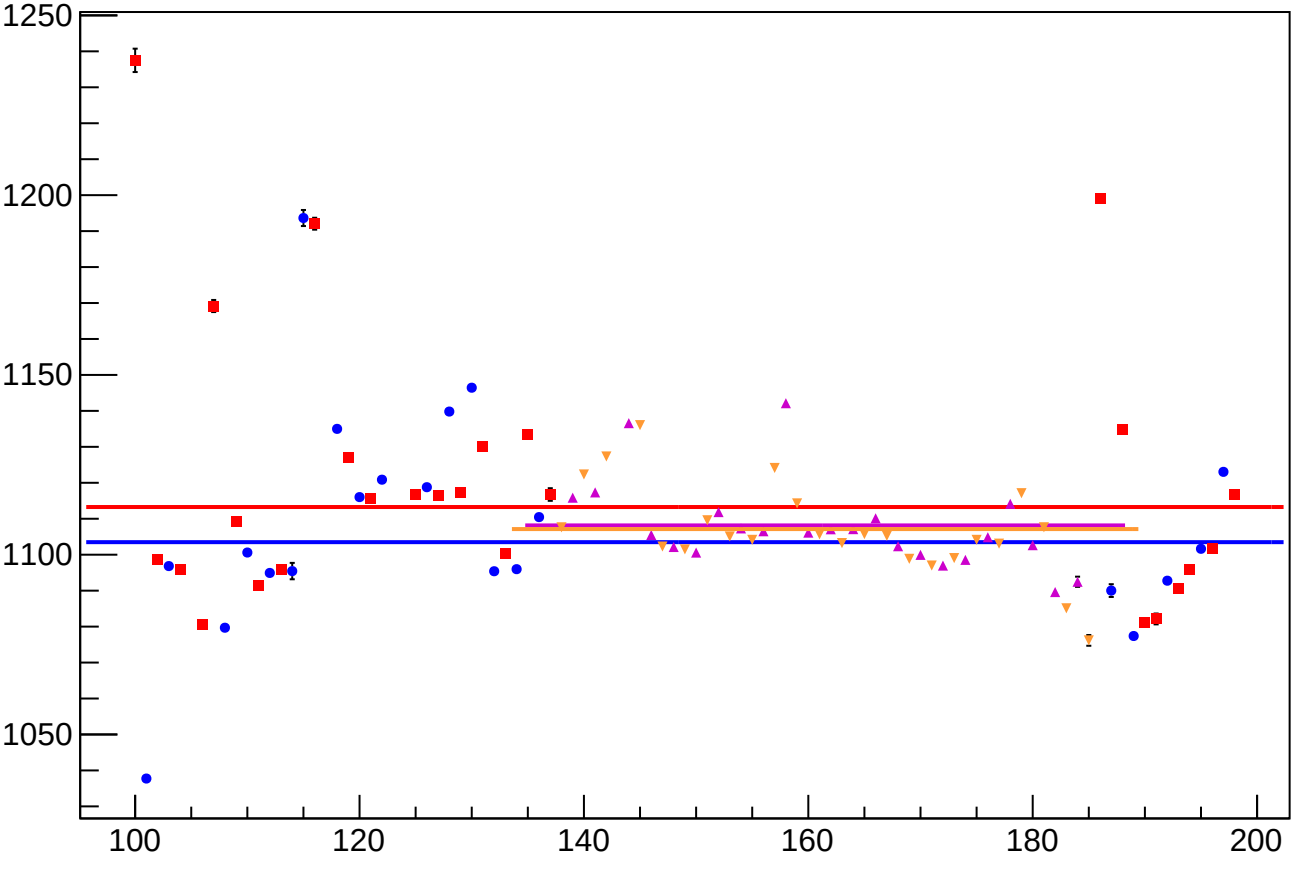
Right: 1993.164+/-229.503 χ^2/NDF: 22.8/46

In: 1886.932+/-205.476 χ^2/NDF:31.5/43

Out: 1786.810+/-198.511 χ^2/NDF:32.3/49

All: 1835.145+/-142.767 χ^2/NDF: 63.9/93

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1103.488+/-0.239 χ^2/NDF: 12755.6/20

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1113.260+/-0.221 χ^2/NDF: 14609.9/25

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

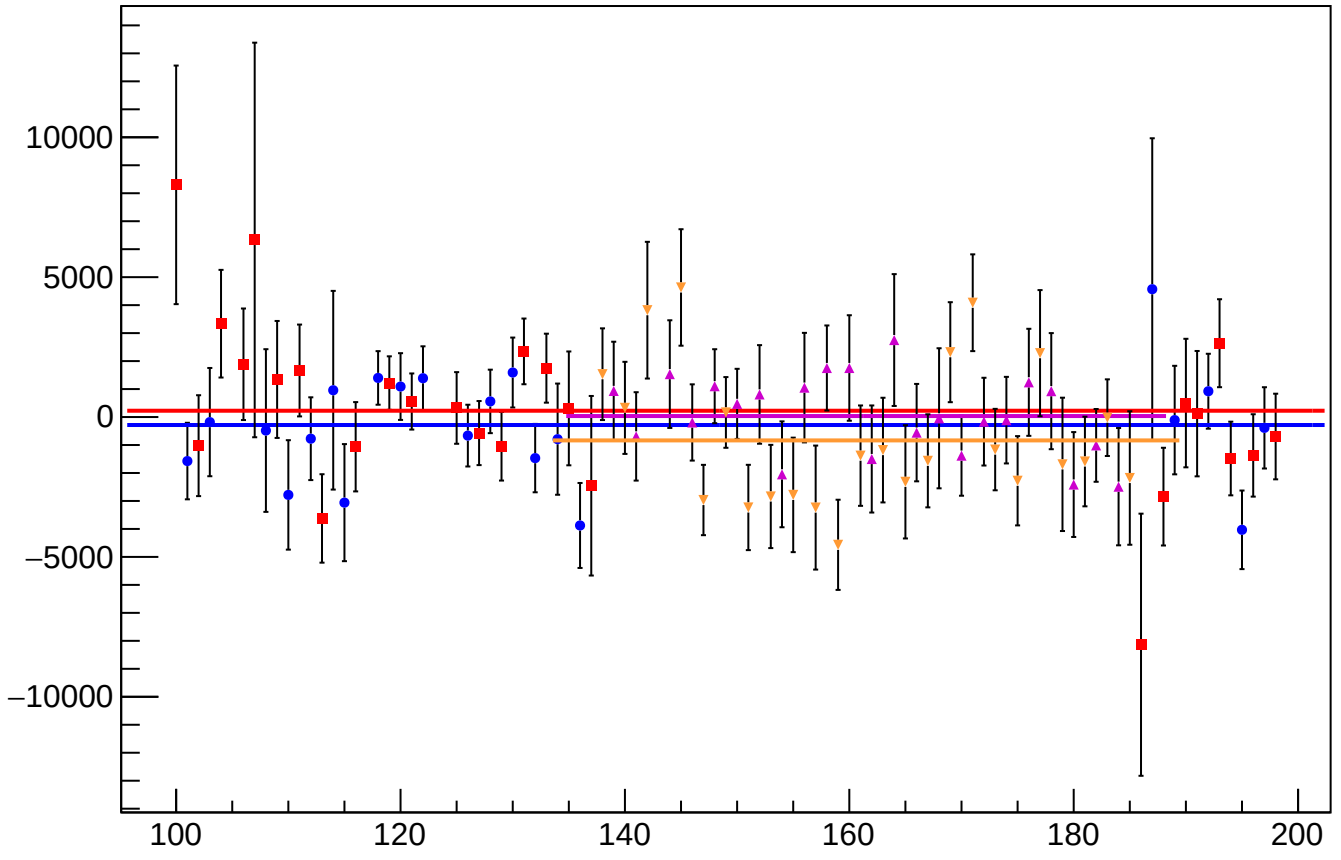
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1108.757+/-0.162 χ^2/NDF: 28266.5/46

In: 1106.425+/-0.145 χ^2/NDF:17185.5/43

Out: 1109.601+/-0.140 χ^2/NDF:18853.1/49

All: 1108.068+/-0.101 χ^2/NDF: 36285.8/93



Right In: -284.956+/-317.165 χ^2/NDF: 29.4/20

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

Right Out: 225.551+/-304.625 χ^2/NDF: 35.9/25

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

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

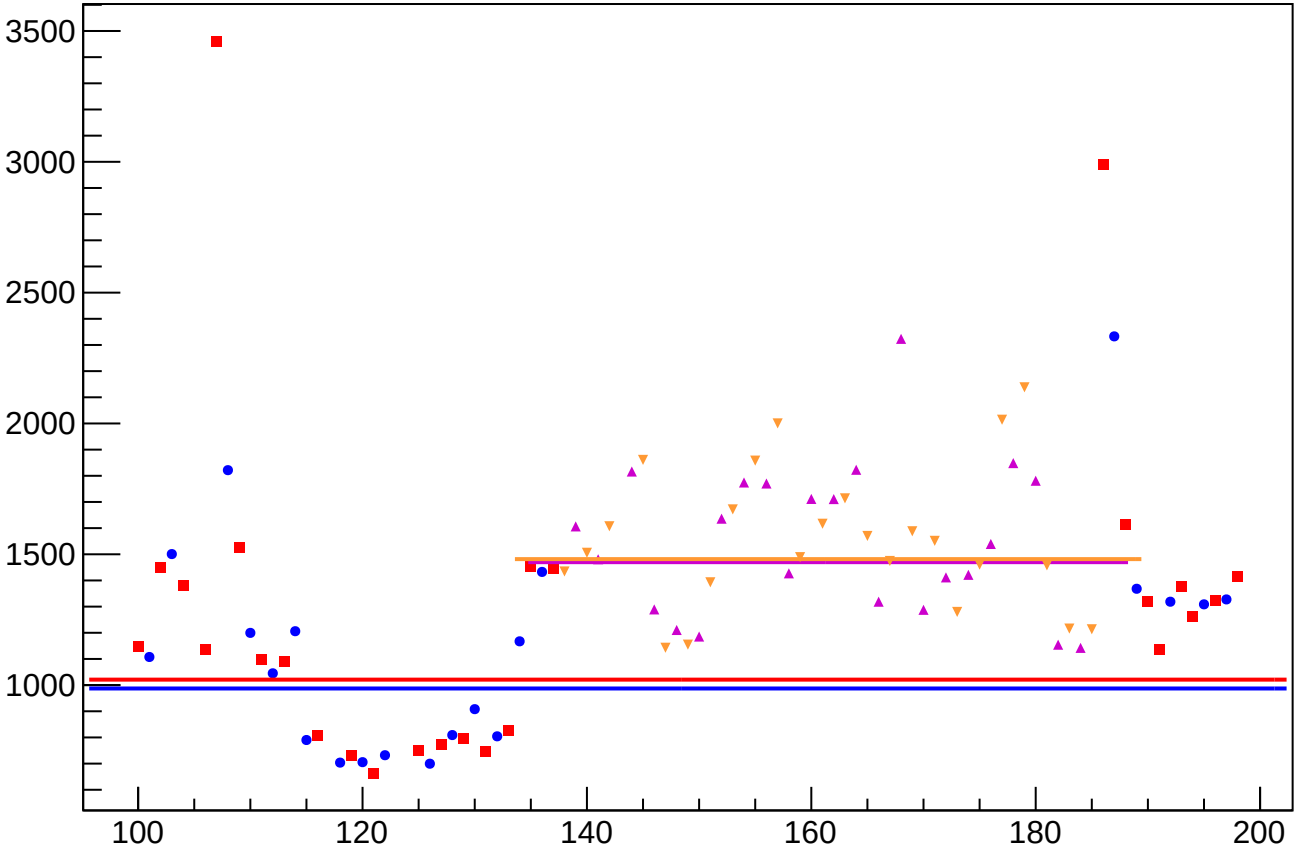
Right: -19.410+/-219.702 χ^2/NDF: 66.6/46

In: -140.289+/-234.912 χ^2/NDF:43.0/43

Out: -230.775+/-229.955 χ^2/NDF:84.6/49

All: -186.497+/-164.328 χ^2/NDF: 127.7/93

asym_usl_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 987.107+/-0.224 χ^2/NDF: 1724991.1/20

Left Out: 1481.545+/-0.248 χ^2/NDF:1017460.8/23

Right Out: 1020.947+/-0.215 χ^2/NDF: 2572288.8/25

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

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

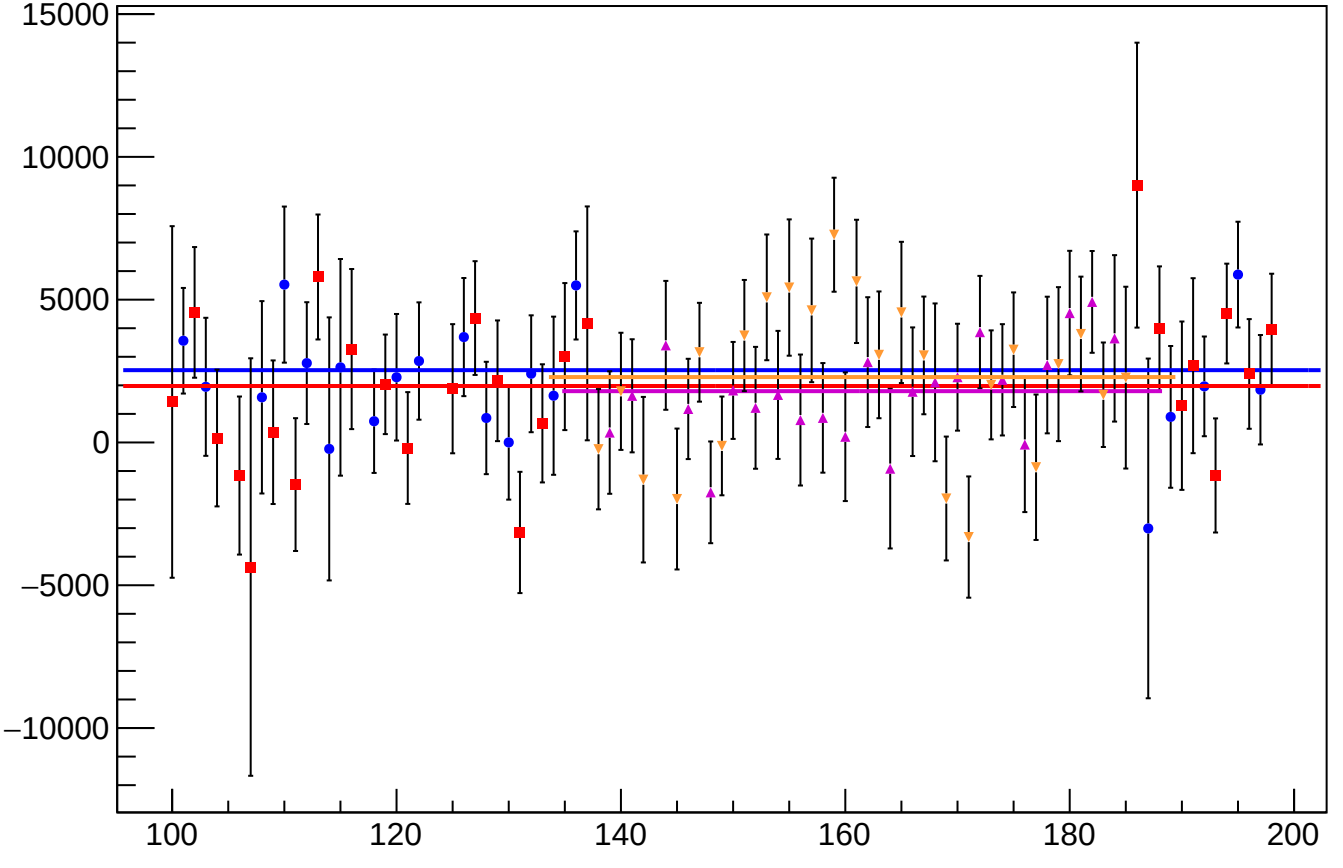
Right: 1004.710+/-0.155 χ^2/NDF: 4309123.0/46

In: 1205.052+/-0.166 χ^2/NDF:4912110.5/43

Out: 1219.076+/-0.163 χ^2/NDF:5556584.6/49

All: 1212.214+/-0.116 χ^2/NDF: 10472334.8/9

asym_usl_mean vs Slug, Sign Corrected



Right In: 2531.444+/-485.645 χ^2/NDF: 13.0/20

Left Out: 2289.701+/-439.328 χ^2/NDF:36.0/23

Right Out: 1976.673+/-459.662 χ^2/NDF: 27.7/25

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

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

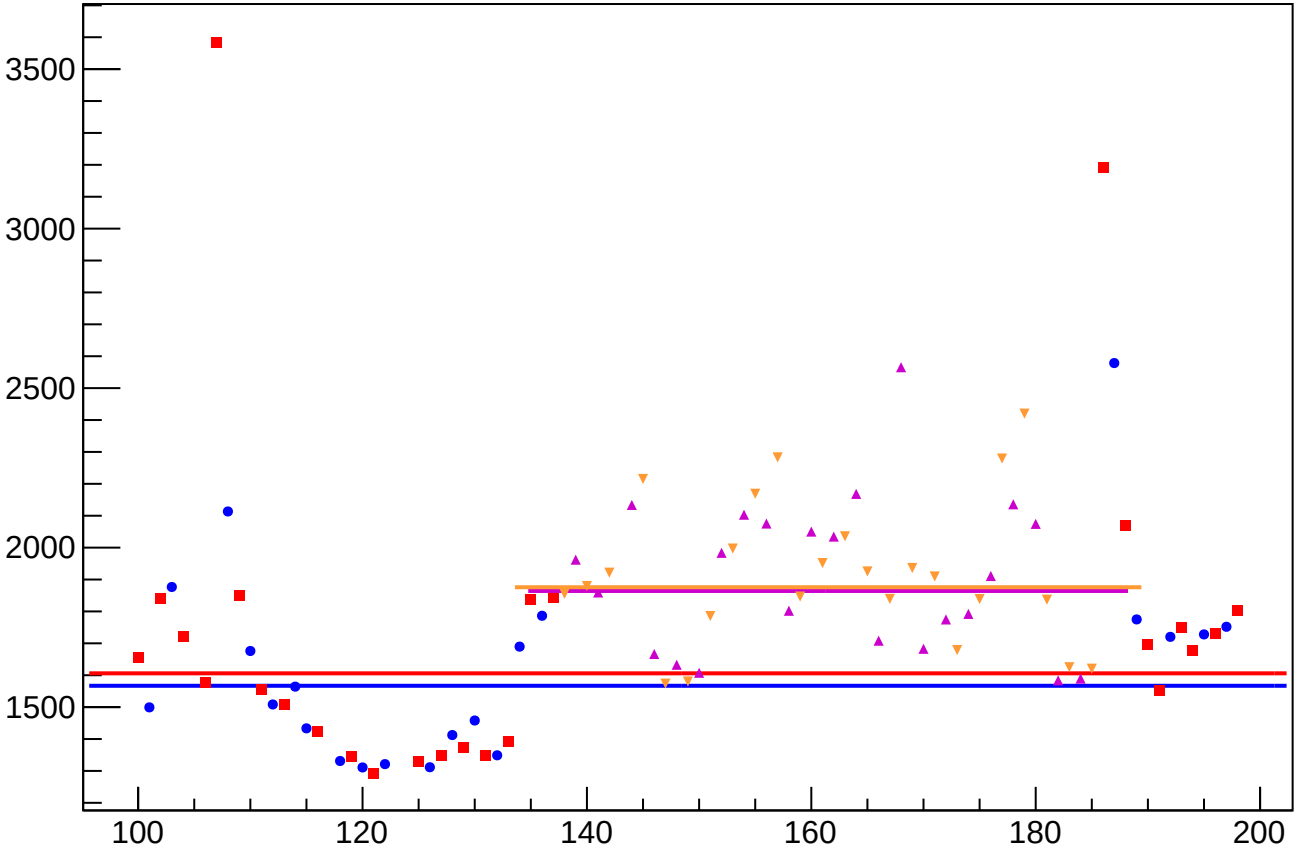
Right: 2238.821+/-333.838 χ^2/NDF: 41.4/46

In: 2127.003+/-325.724 χ^2/NDF:28.5/43

Out: 2140.263+/-317.597 χ^2/NDF:64.0/49

All: 2133.801+/-227.394 χ^2/NDF: 92.5/93

asym_usl_rms vs Slug, Sign Corrected



Right In: 1566.907+/-0.343 χ^2/NDF: 407858.1/20

Left Out: 1875.818+/-0.311 χ^2/NDF:472556.0/23

Right Out: 1605.942+/-0.325 χ^2/NDF: 800386.1/25

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

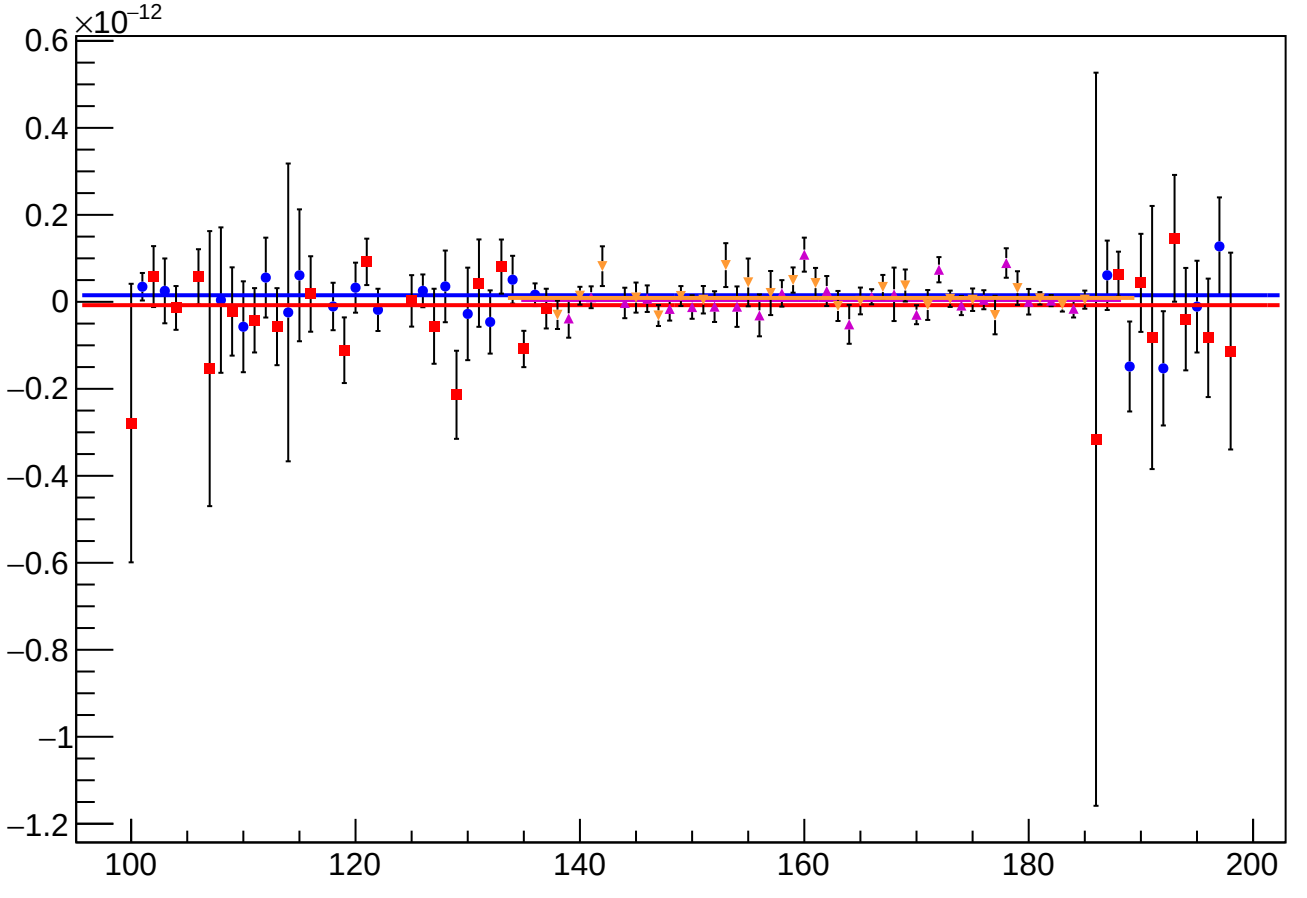
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1587.496+/-0.236 χ^2/NDF: 1215059.6/46

In: 1730.444+/-0.230 χ^2/NDF:1330687.6/43

Out: 1746.981+/-0.225 χ^2/NDF:1633237.6/49

All: 1738.921+/-0.161 χ^2/NDF: 2966567.9/93



Right In: 0.000+/-0.000 χ^2/NDF: 9.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/25

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

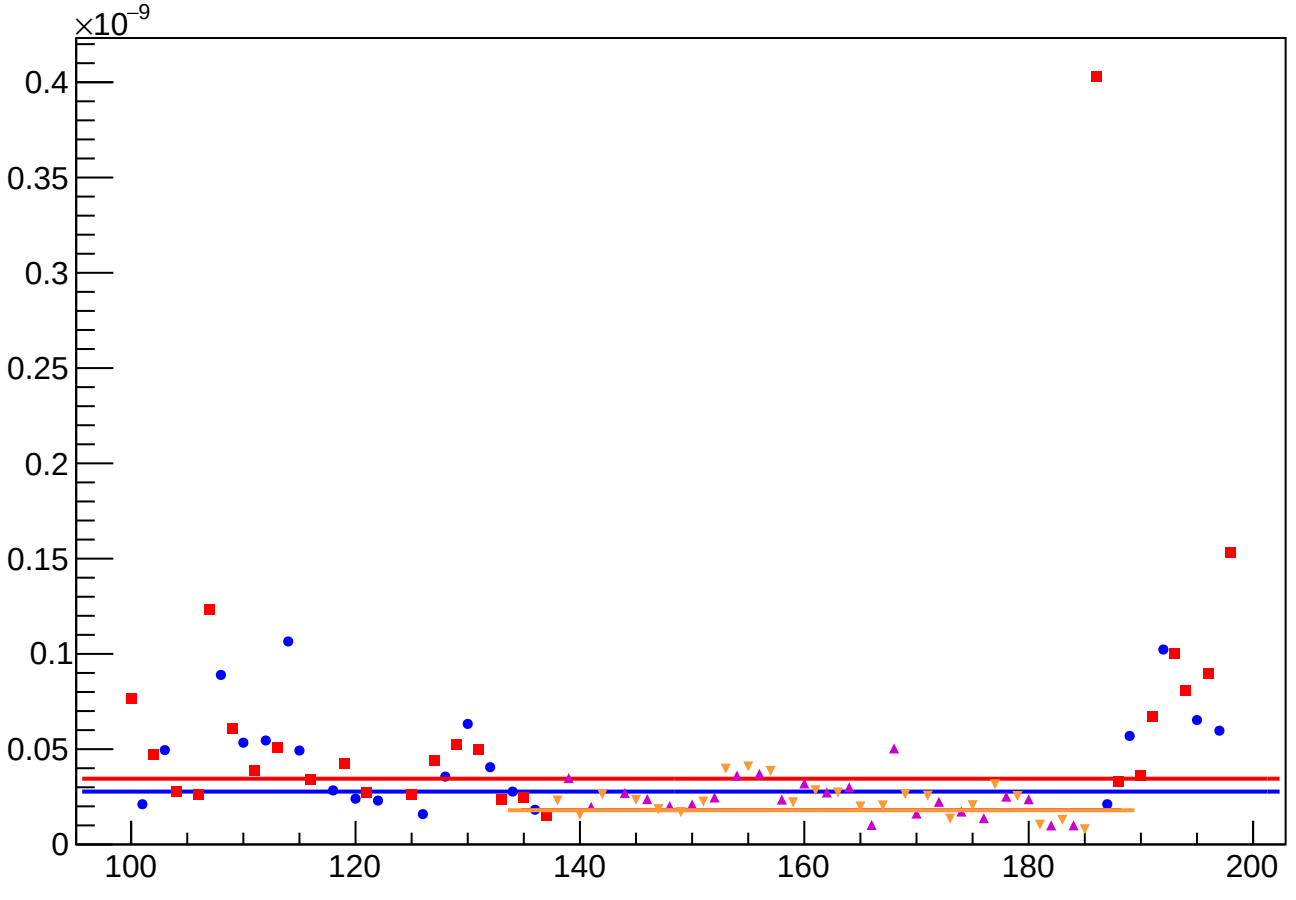
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 35.8/46

In: 0.000+/-0.000 χ^2/NDF:37.6/43

Out: 0.000+/-0.000 χ^2/NDF:43.2/49

All: 0.000+/-0.000 χ^2/NDF: 80.9/93



Right In: 0.000+/-0.000 χ^2/NDF: 2992031.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:3491055.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3306014.1/25

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

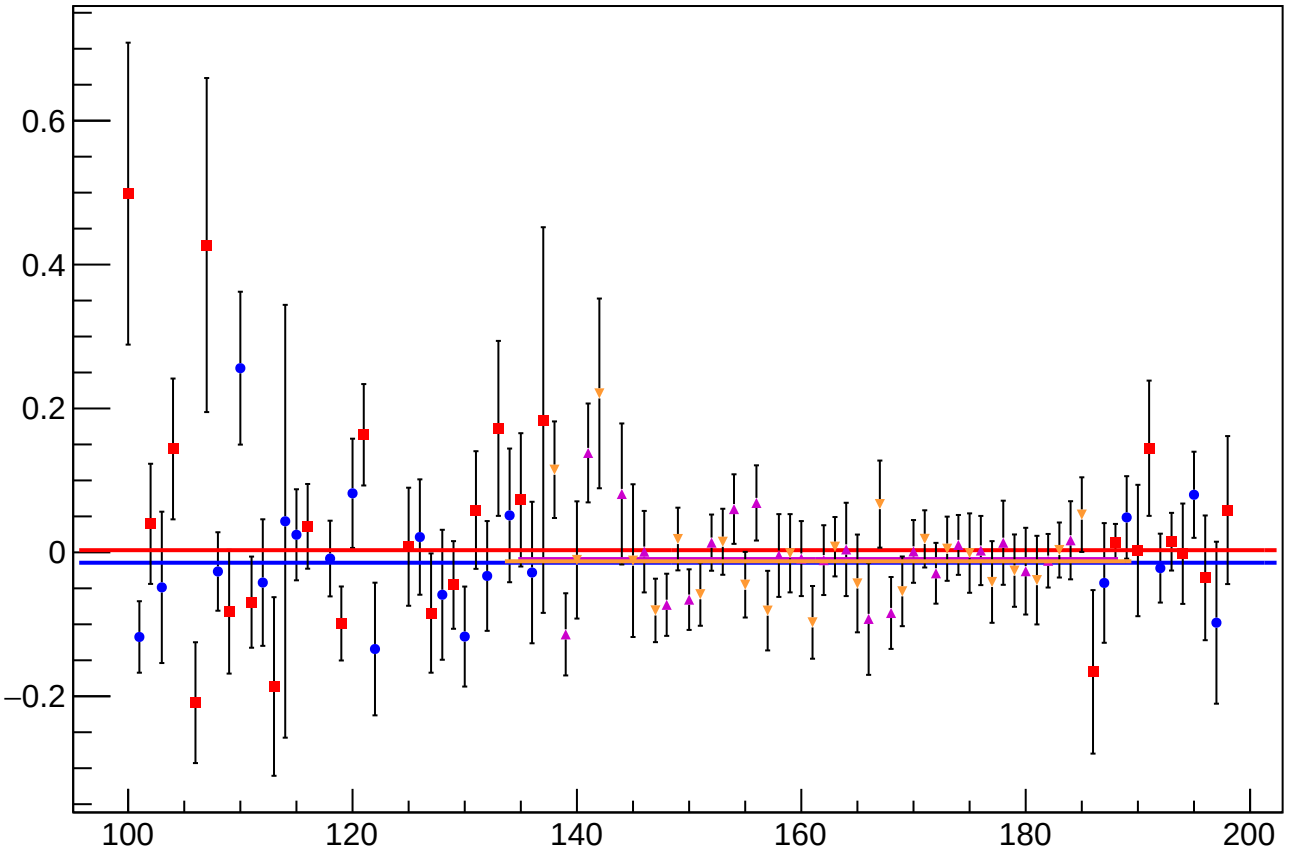
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 6532673.7/46

In: 0.000+/-0.000 χ^2/NDF:8116049.4/43

Out: 0.000+/-0.000 χ^2/NDF:8976720.9/49

All: 0.000+/-0.000 χ^2/NDF: 17098425.0/93



Right In: -0.014+/-0.016 χ^2/NDF: 22.4/20

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.003+/-0.014 χ^2/NDF: 42.0/25

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

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

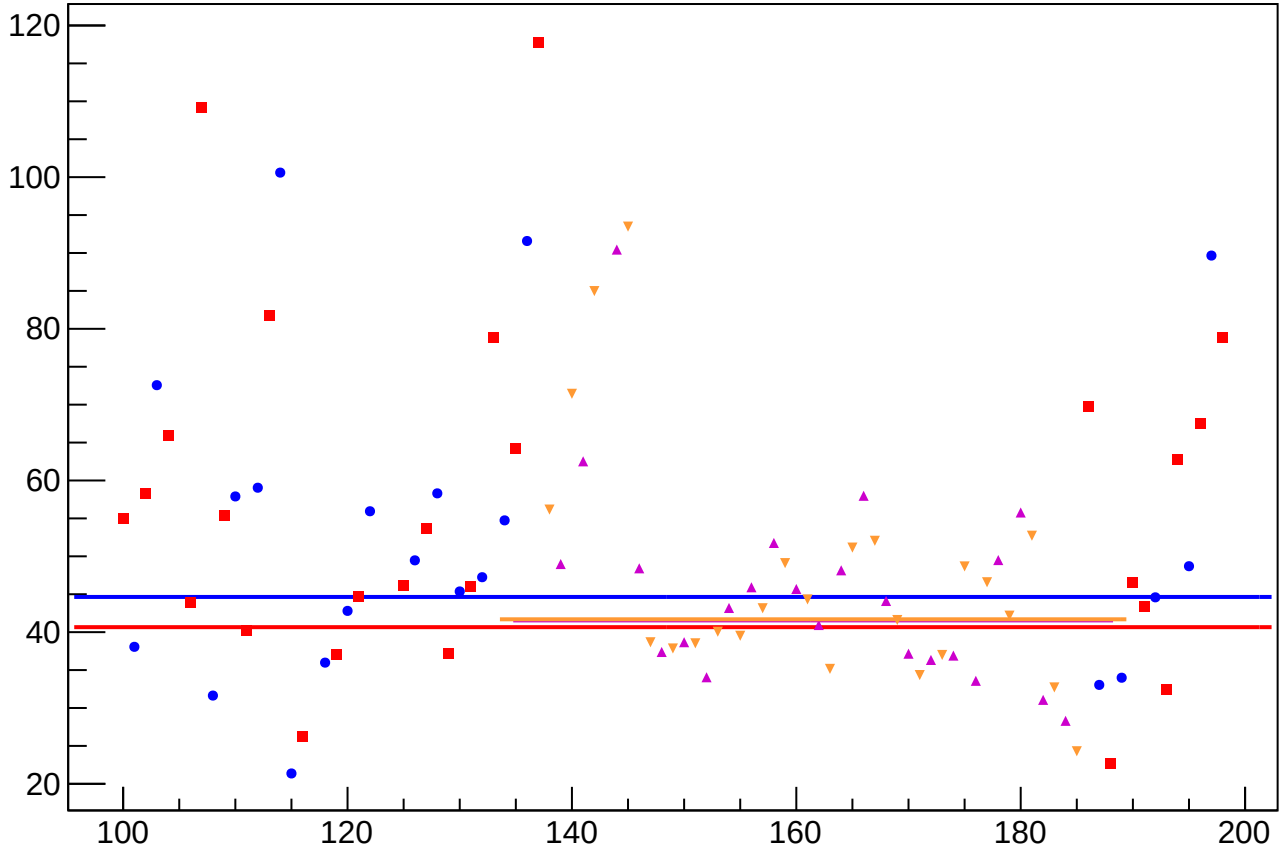
Right: -0.004+/-0.010 χ^2/NDF: 65.1/46

In: -0.011+/-0.009 χ^2/NDF:44.3/43

Out: -0.007+/-0.008 χ^2/NDF:64.7/49

All: -0.009+/-0.006 χ^2/NDF: 109.2/93

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.643+/-0.011 χ^2/NDF: 1771583.9/20

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 40.658+/-0.010 χ^2/NDF: 3213171.4/25

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

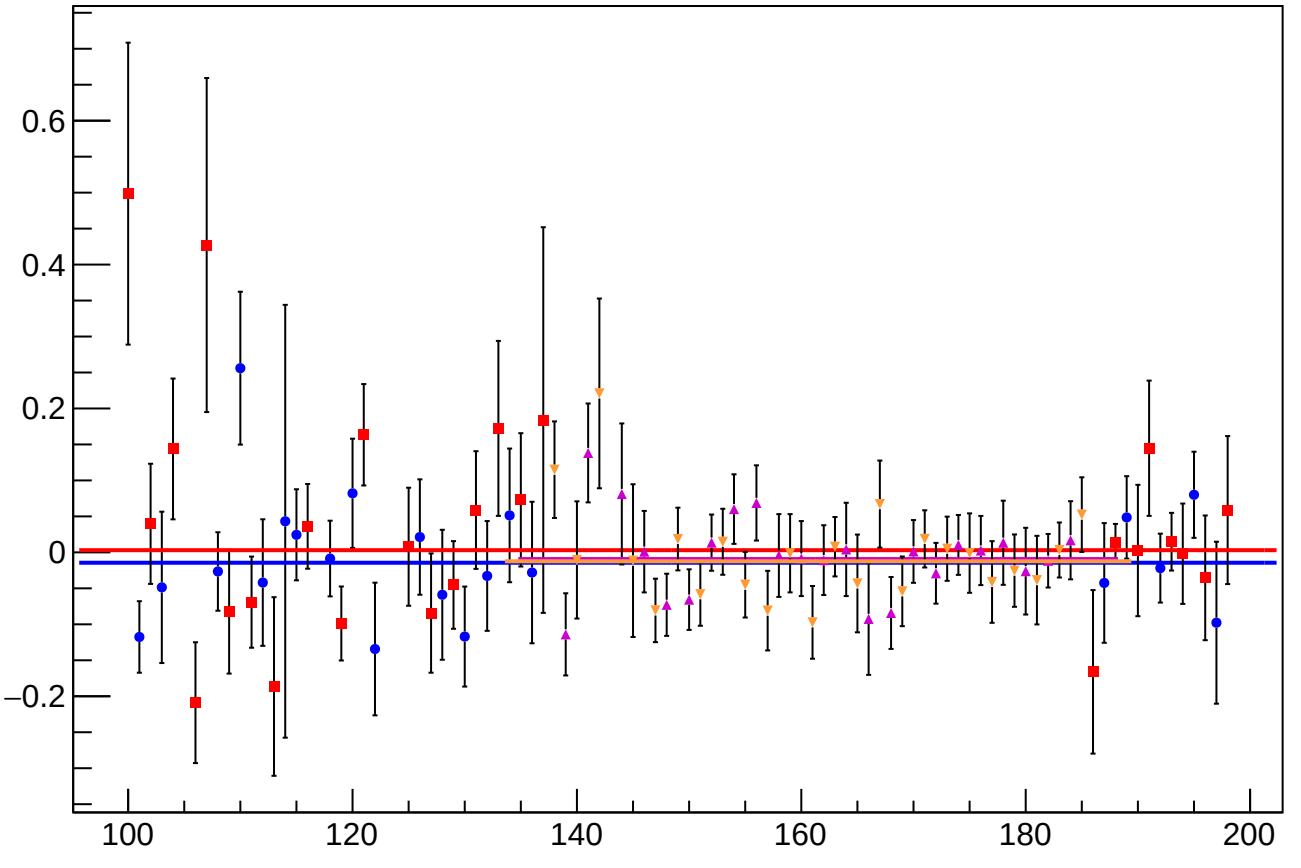
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 42.361+/-0.007 χ^2/NDF: 5058981.4/46

In: 42.508+/-0.006 χ^2/NDF:3438471.9/43

Out: 41.305+/-0.006 χ^2/NDF:5042293.0/49

All: 41.877+/-0.004 χ^2/NDF: 8500775.2/93



Right In: -0.014+/-0.016 χ^2/NDF: 22.4/20

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.003+/-0.014 χ^2/NDF: 42.0/25

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

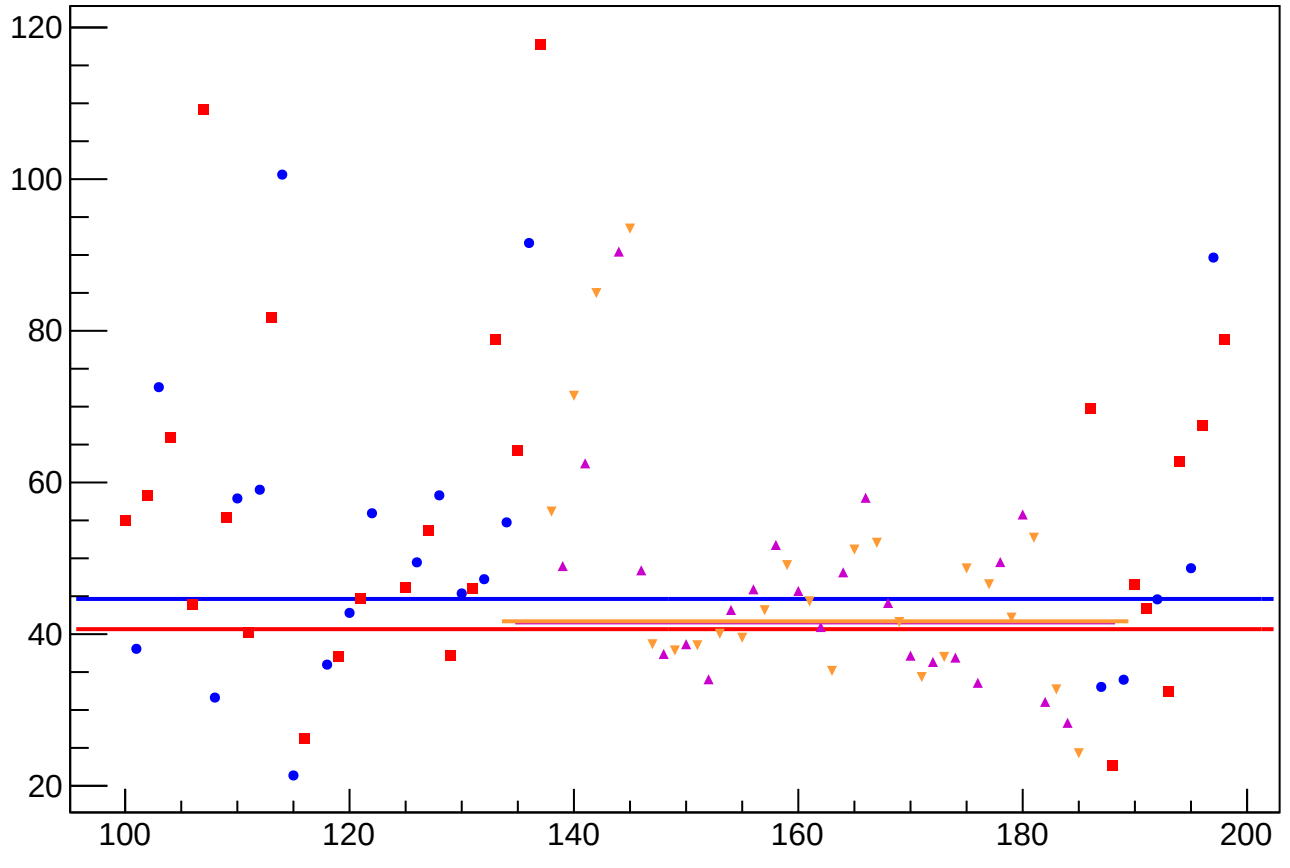
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.004+/-0.010 χ^2/NDF: 65.1/46

In: -0.011+/-0.009 χ^2/NDF:44.3/43

Out: -0.007+/-0.008 χ^2/NDF:64.7/49

All: -0.009+/-0.006 χ^2/NDF: 109.2/93



Right In: 44.643+/-0.011 χ^2/NDF: 1771583.9/20

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 40.658+/-0.010 χ^2/NDF: 3213171.4/25

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

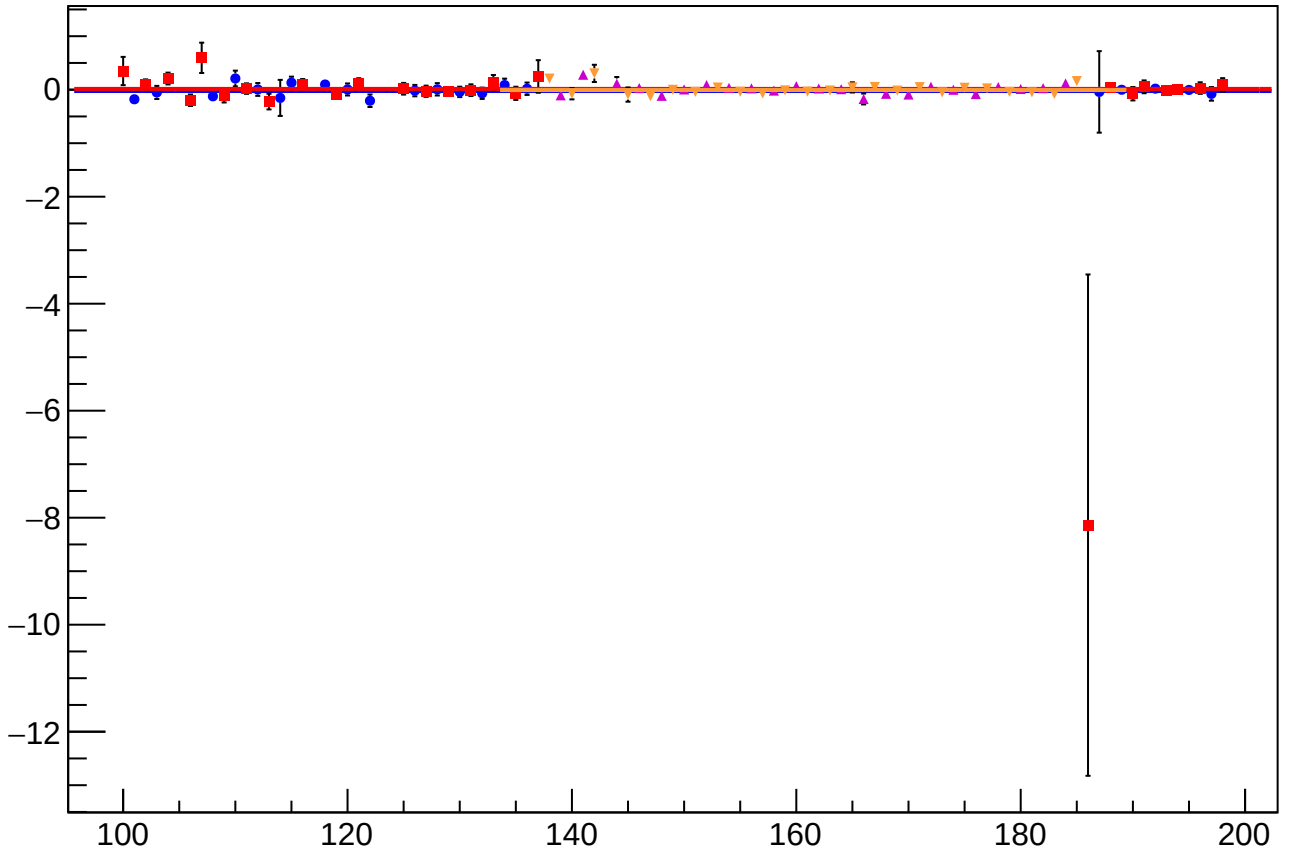
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 42.361+/-0.007 χ^2/NDF: 5058981.4/46

In: 42.508+/-0.006 χ^2/NDF:3438471.9/43

Out: 41.305+/-0.006 χ^2/NDF:5042293.0/49

All: 41.877+/-0.004 χ^2/NDF: 8500775.2/93



Right In: -0.025+/-0.022 χ^2/NDF: 18.4/20

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.015+/-0.020 χ^2/NDF: 27.2/25

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

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

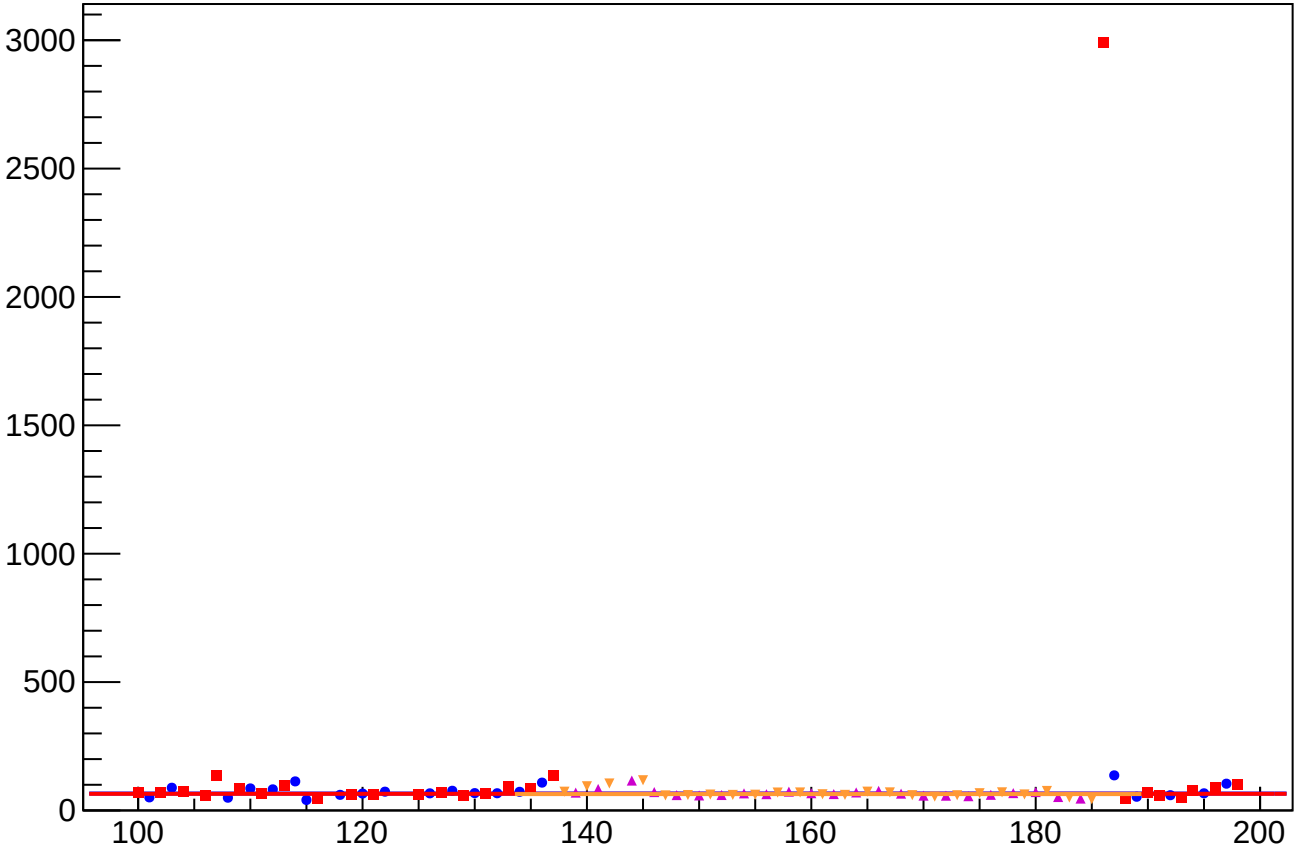
Right: -0.003+/-0.015 χ^2/NDF: 47.4/46

In: -0.003+/-0.013 χ^2/NDF:48.0/43

Out: 0.001+/-0.012 χ^2/NDF:51.6/49

All: -0.001+/-0.009 χ^2/NDF: 99.7/93

asym_usl_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.905+/-0.016 χ^2/NDF: 1034400.0/20

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 64.811+/-0.014 χ^2/NDF: 2161613.0/25

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

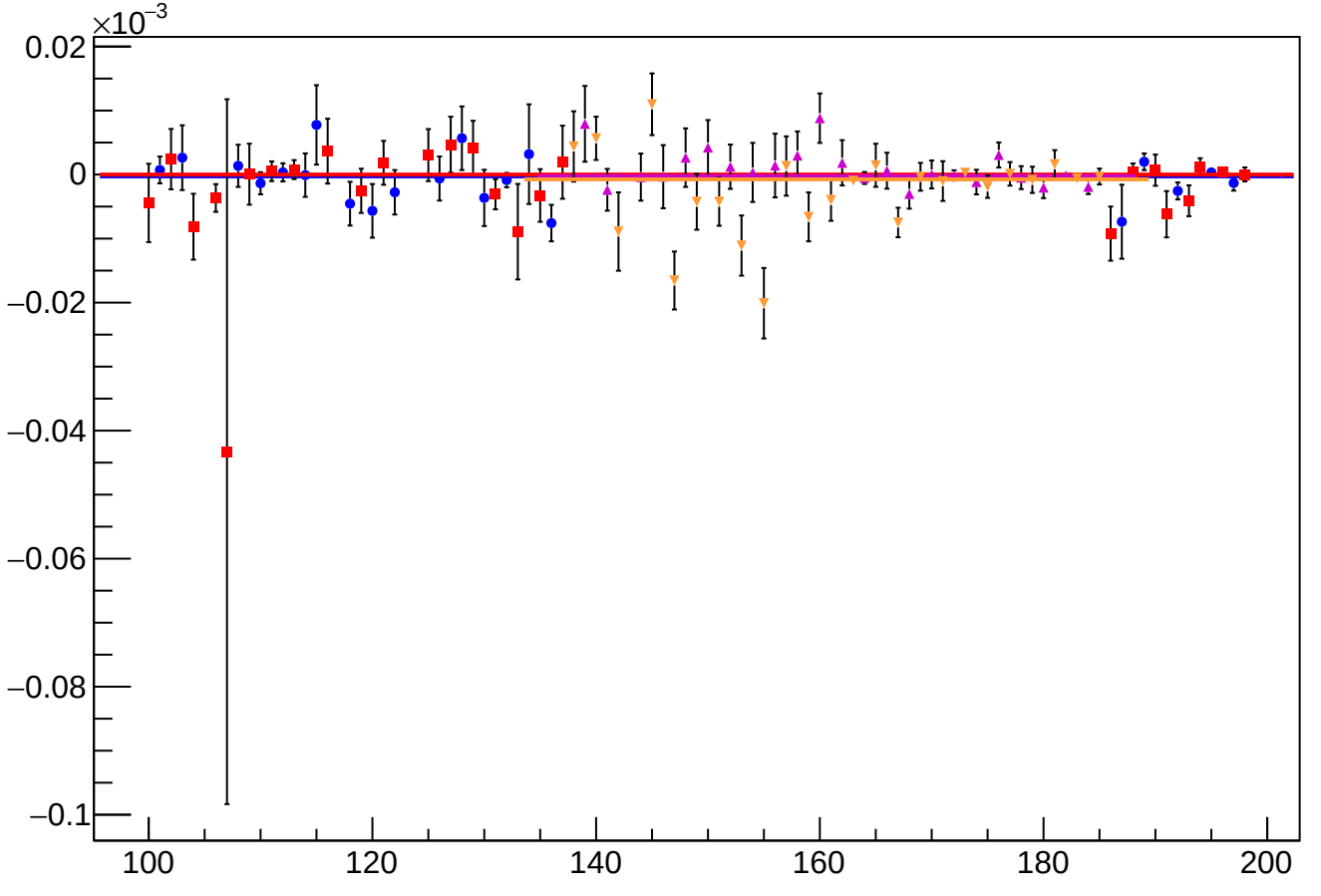
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

Right: 65.309+/-0.010 χ^2/NDF: 3198707.3/46

In: 64.655+/-0.009 χ^2/NDF:1882833.2/43

Out: 64.161+/-0.009 χ^2/NDF:3243760.7/49

All: 64.399+/-0.006 χ^2/NDF: 5128168.1/93



Right In: -0.000+/-0.000 χ^2/NDF: 25.5/20

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

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/25

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

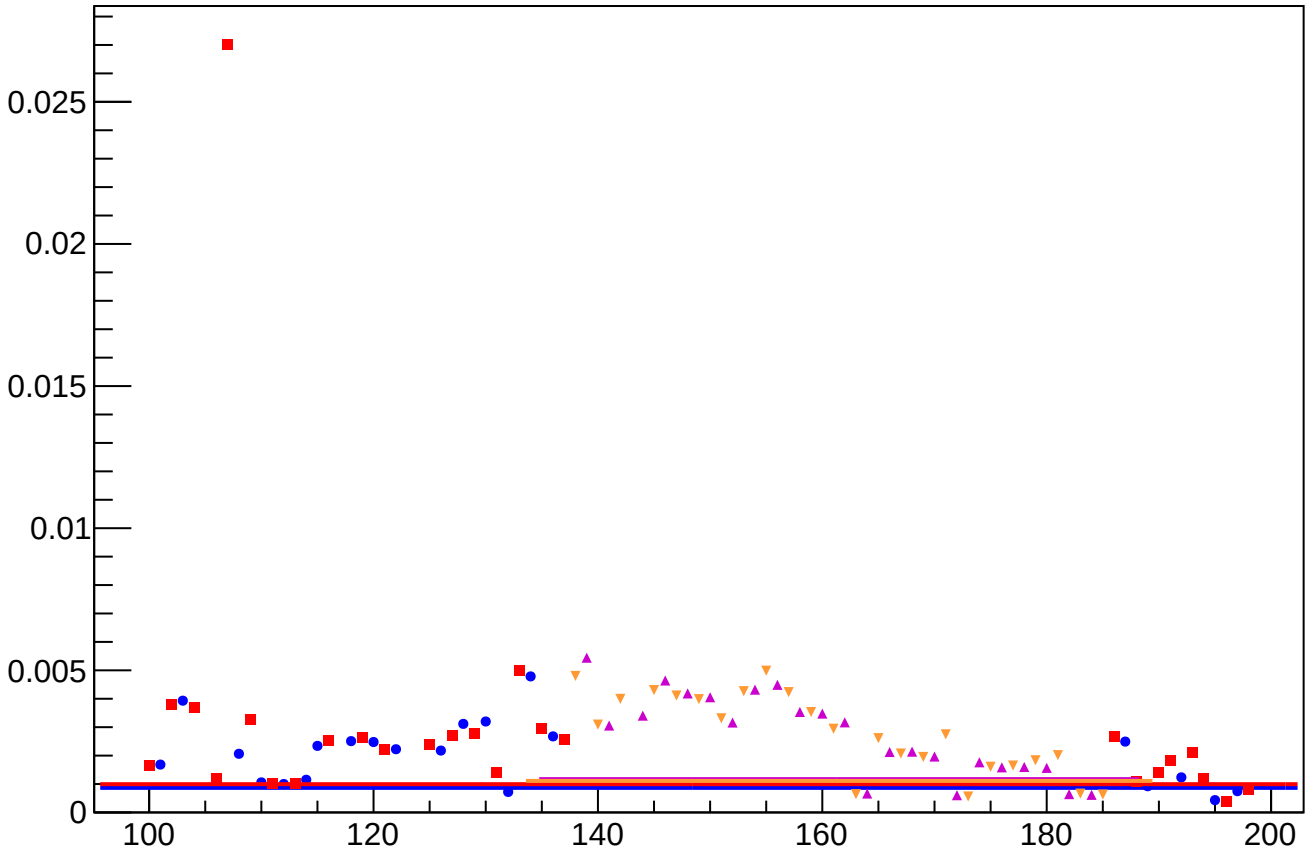
Left: -0.000+/-0.000 χ^2/NDF: 79.8/46

Right: -0.000+/-0.000 χ^2/NDF: 52.9/46

In: -0.000+/-0.000 χ^2/NDF:44.3/43

Out: -0.000+/-0.000 χ^2/NDF:89.3/49

All: -0.000+/-0.000 χ^2/NDF: 133.8/93



Right In: 0.001+/-0.000 χ^2/NDF: 6919192.8/20

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 8305963.0/25

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

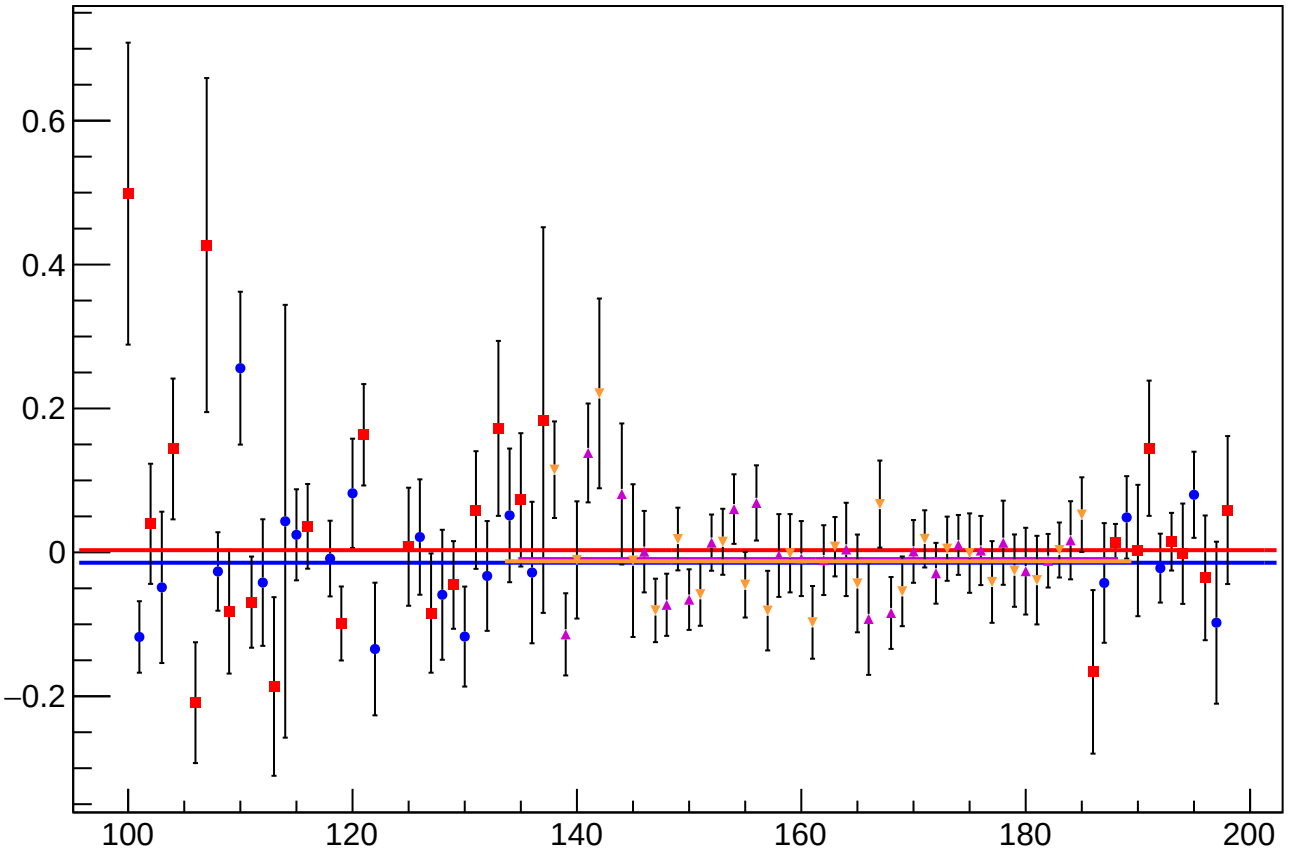
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 15354431.3/46

In: 0.001+/-0.000 χ^2/NDF:21930688.2/43

Out: 0.001+/-0.000 χ^2/NDF:23569577.4/49

All: 0.001+/-0.000 χ^2/NDF: 45530300.7/93



Right In: -0.014+/-0.016 χ^2/NDF: 22.4/20

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.003+/-0.014 χ^2/NDF: 42.0/25

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

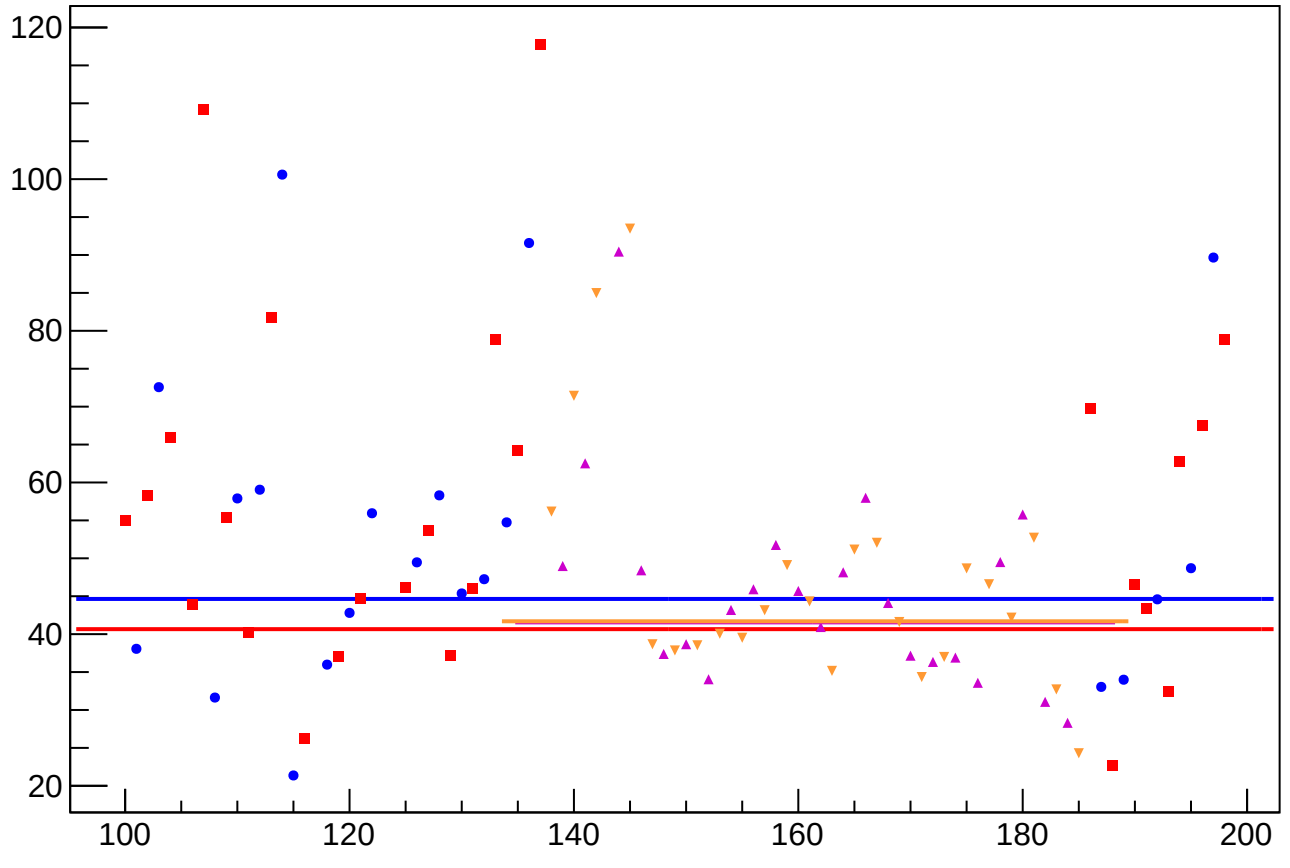
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.004+/-0.010 χ^2/NDF: 65.1/46

In: -0.011+/-0.009 χ^2/NDF:44.3/43

Out: -0.007+/-0.008 χ^2/NDF:64.7/49

All: -0.009+/-0.006 χ^2/NDF: 109.2/93



Right In: 44.642+/-0.011 χ^2/NDF: 1771655.0/20

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 40.658+/-0.010 χ^2/NDF: 3212984.2/25

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

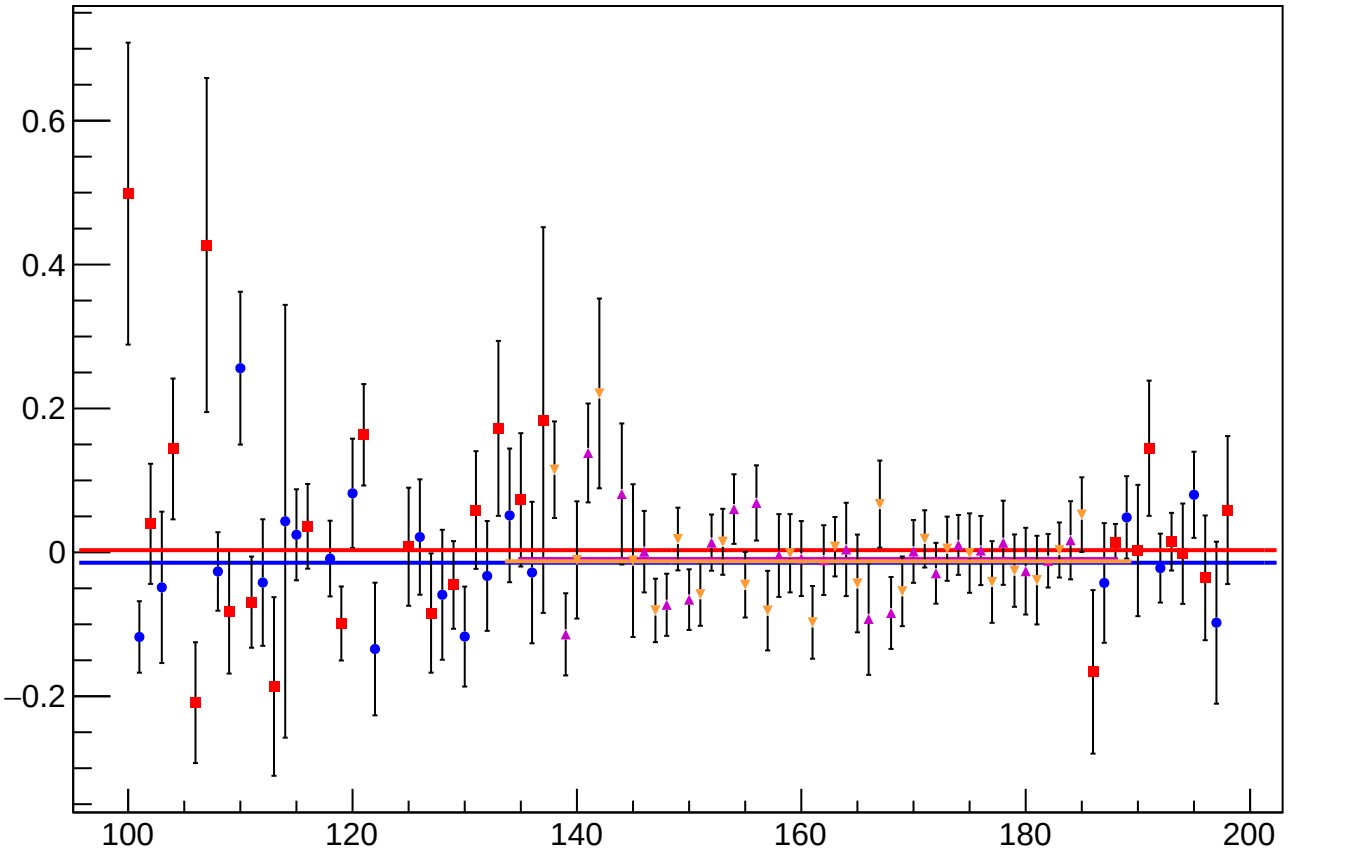
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 42.361+/-0.007 χ^2/NDF: 5058837.1/46

In: 42.508+/-0.006 χ^2/NDF:3438472.6/43

Out: 41.305+/-0.006 χ^2/NDF:5042069.2/49

All: 41.877+/-0.004 χ^2/NDF: 8500548.4/93



Right In: -0.014+/-0.016 χ^2/NDF: 22.4/20

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.003+/-0.014 χ^2/NDF: 42.0/25

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

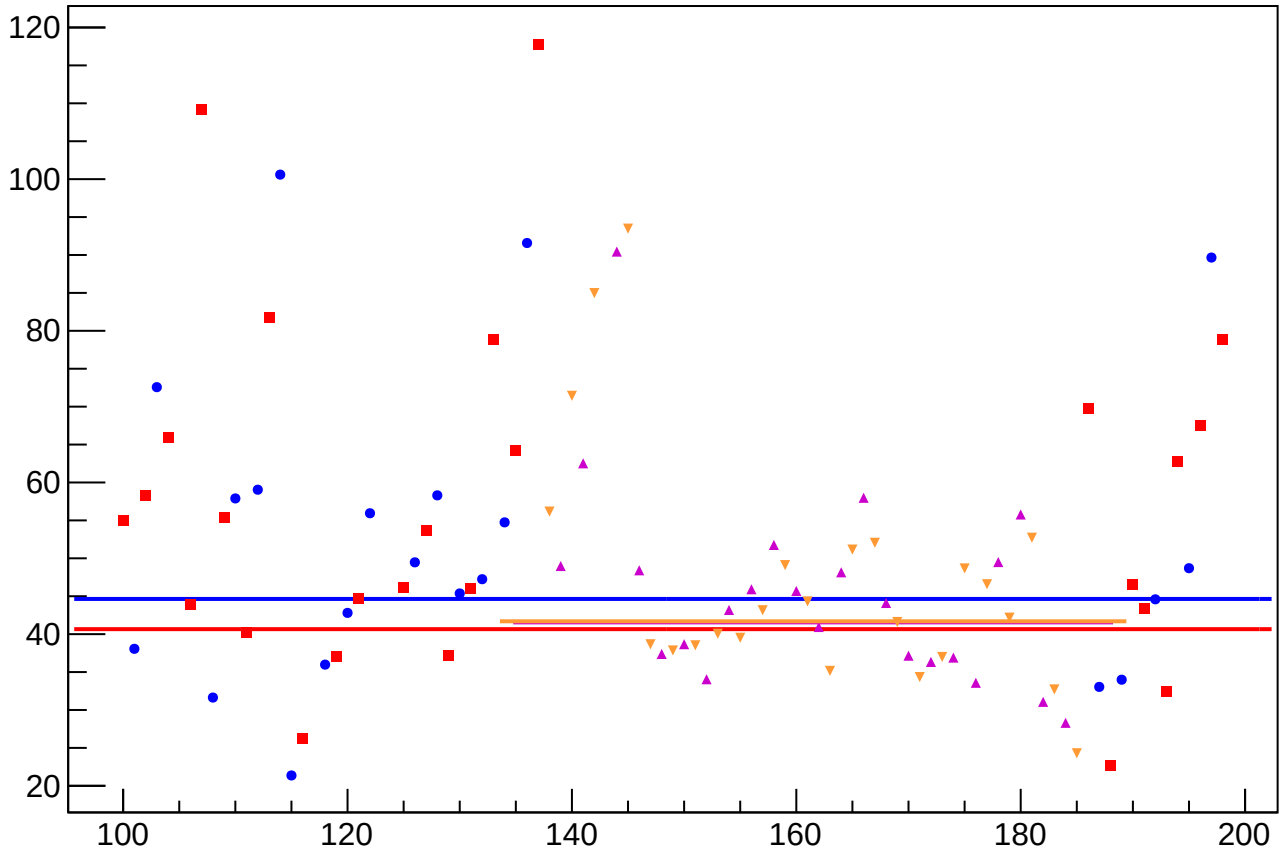
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.004+/-0.010 χ^2/NDF: 65.1/46

In: -0.011+/-0.009 χ^2/NDF:44.3/43

Out: -0.007+/-0.008 χ^2/NDF:64.7/49

All: -0.009+/-0.006 χ^2/NDF: 109.2/93



Right In: 44.642+/-0.011 χ^2/NDF: 1771655.0/20

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 40.658+/-0.010 χ^2/NDF: 3212984.2/25

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

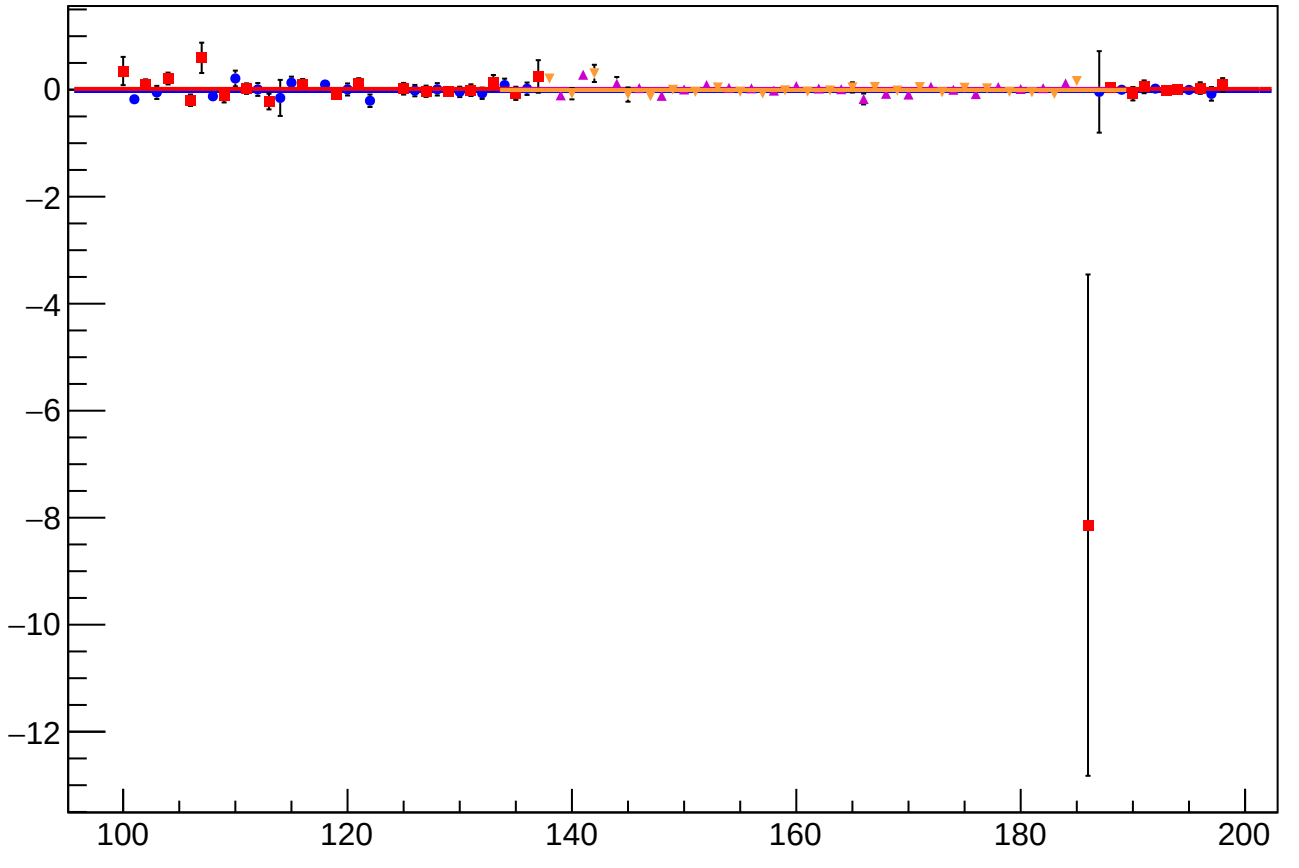
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 42.361+/-0.007 χ^2/NDF: 5058837.1/46

In: 42.508+/-0.006 χ^2/NDF:3438472.6/43

Out: 41.305+/-0.006 χ^2/NDF:5042069.2/49

All: 41.877+/-0.004 χ^2/NDF: 8500548.4/93



Right In: -0.025+/-0.022 χ^2/NDF: 18.4/20

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.015+/-0.020 χ^2/NDF: 27.2/25

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

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

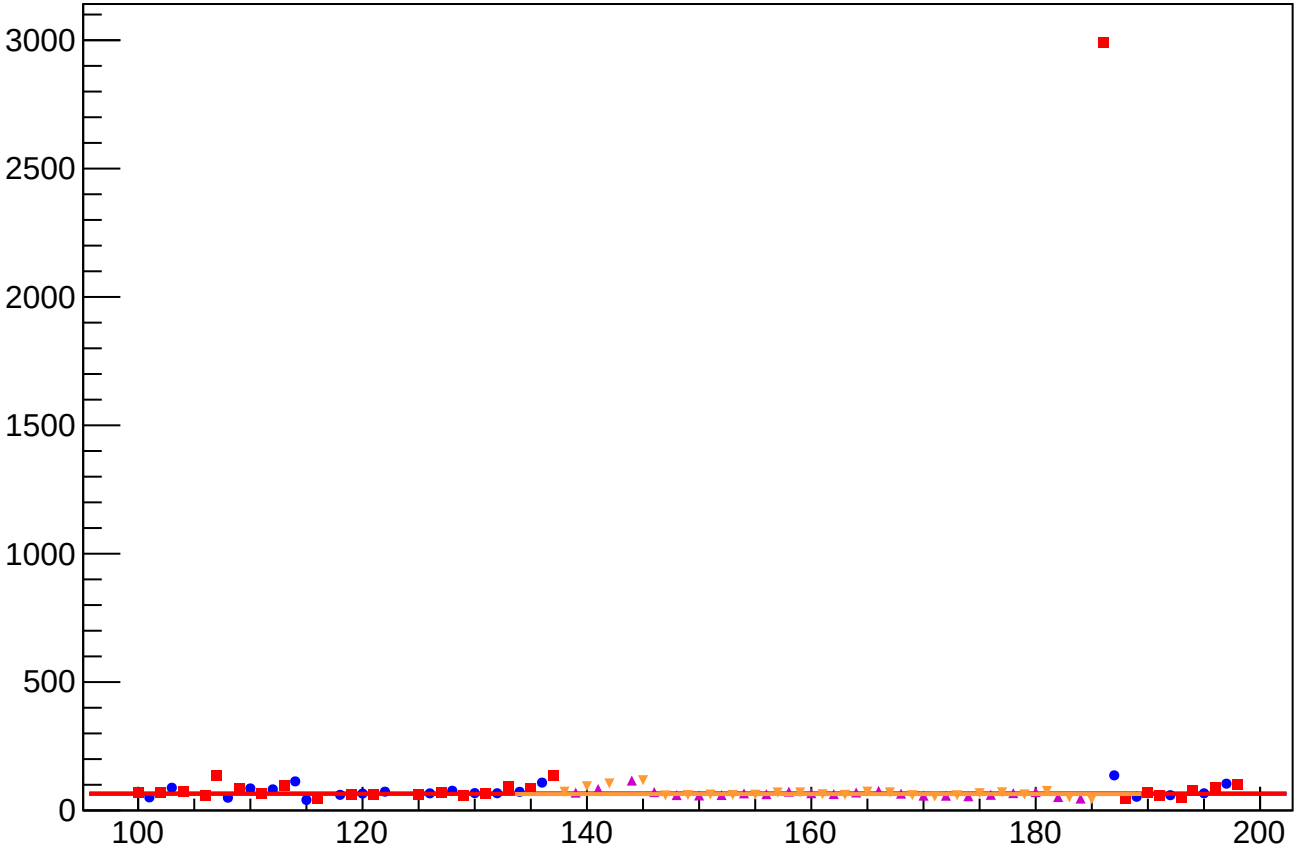
Right: -0.003+/-0.015 χ^2/NDF: 47.4/46

In: -0.003+/-0.013 χ^2/NDF:48.0/43

Out: 0.001+/-0.012 χ^2/NDF:51.6/49

All: -0.001+/-0.009 χ^2/NDF: 99.7/93

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.905+/-0.016 χ^2/NDF: 1034412.4/20

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 64.811+/-0.014 χ^2/NDF: 2161592.3/25

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

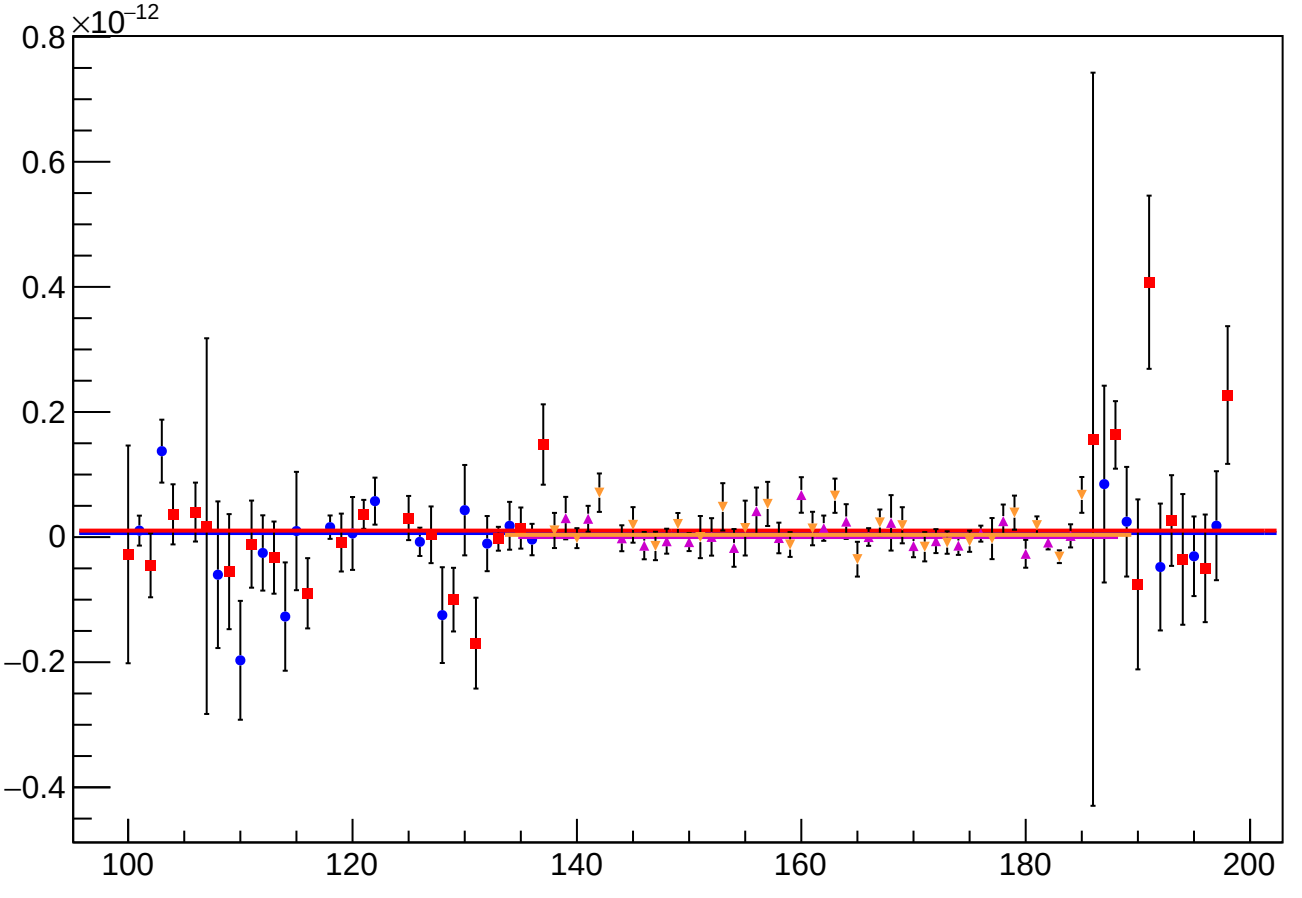
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 65.308+/-0.010 χ^2/NDF: 3198699.2/46

In: 64.655+/-0.009 χ^2/NDF:1882835.8/43

Out: 64.161+/-0.009 χ^2/NDF:3243724.4/49

All: 64.399+/-0.006 χ^2/NDF: 5128134.9/93



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 45.3/25

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

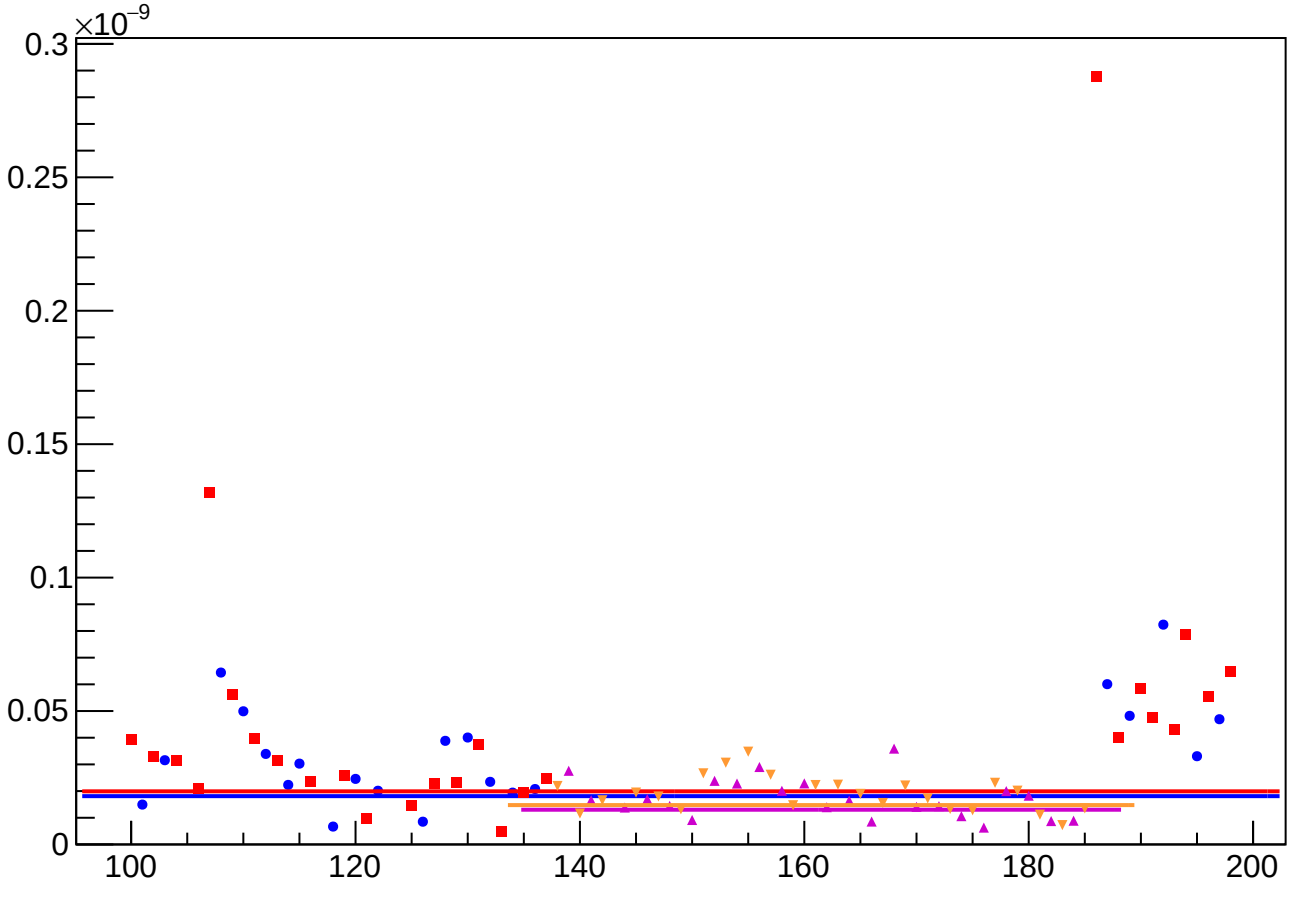
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 66.7/46

In: 0.000+/-0.000 χ^2/NDF:38.9/43

Out: 0.000+/-0.000 χ^2/NDF:86.3/49

All: 0.000+/-0.000 χ^2/NDF: 125.7/93



Right In: 0.000+/-0.000 χ^2/NDF: 3920443.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5397859.7/25

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

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

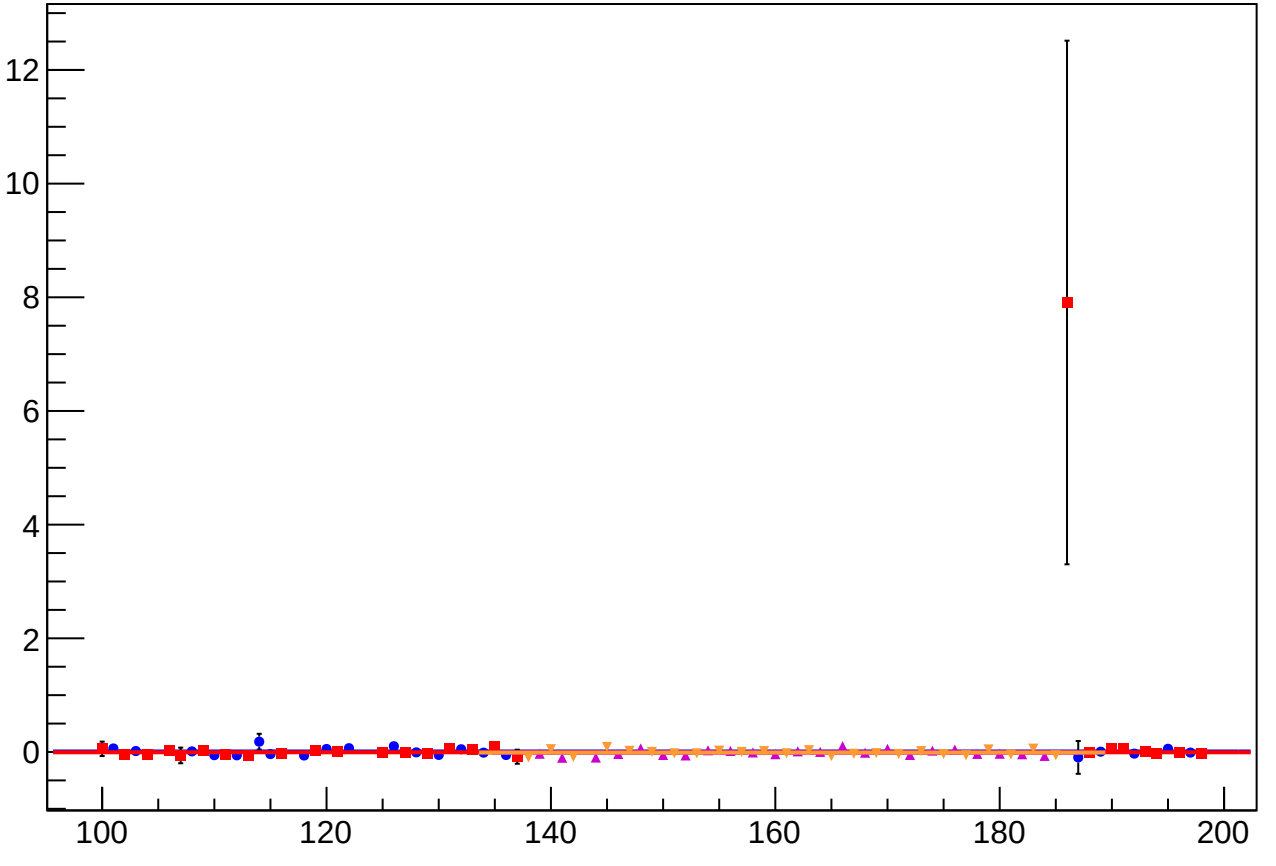
Right: 0.000+/-0.000 χ^2/NDF: 9357033.1/46

In: 0.000+/-0.000 χ^2/NDF:8381766.5/43

Out: 0.000+/-0.000 χ^2/NDF:9423984.8/49

All: 0.000+/-0.000 χ^2/NDF: 18025266.0/93

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.011 χ^2/NDF: 18.1/20

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.005+/-0.010 χ^2/NDF: 16.4/25

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

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

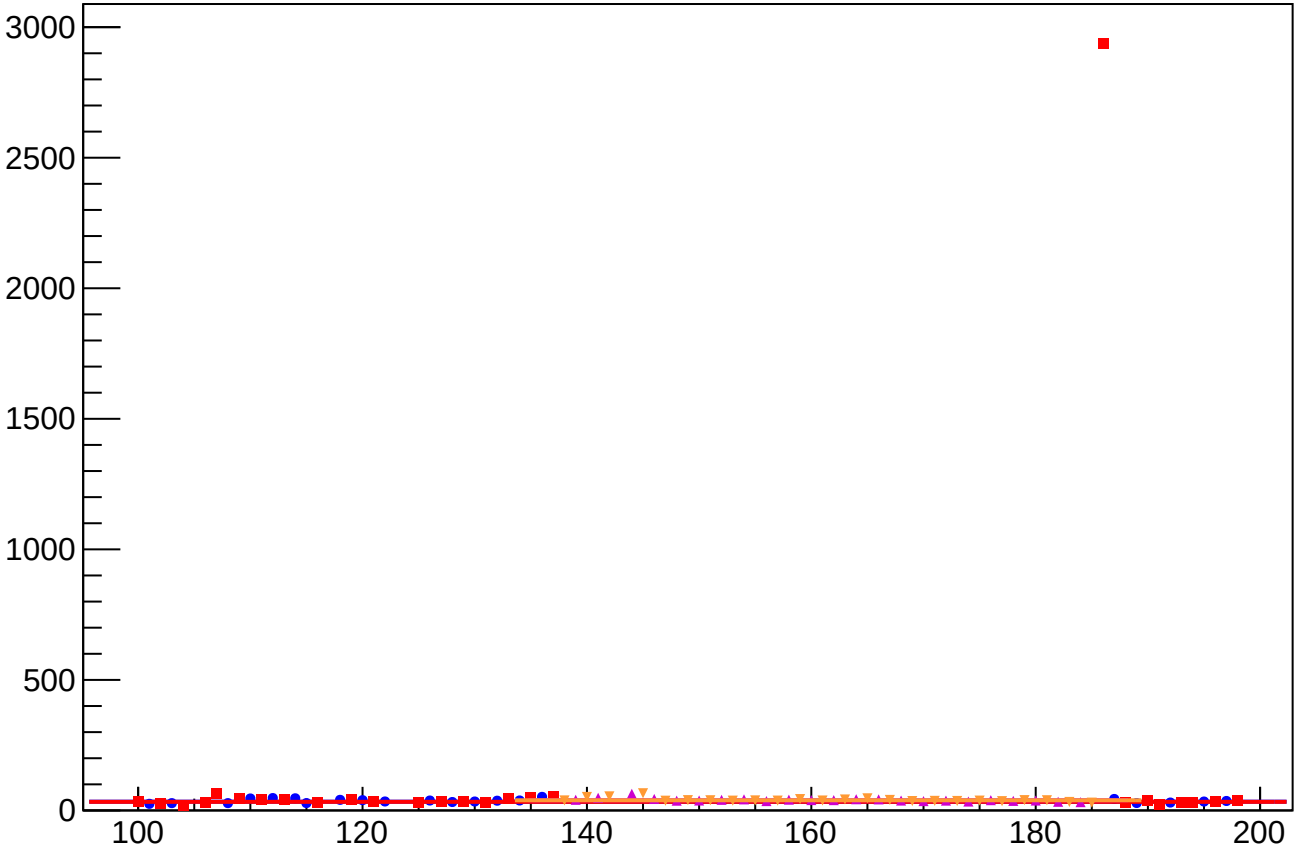
Right: 0.001+/-0.007 χ^2/NDF: 35.3/46

In: -0.003+/-0.007 χ^2/NDF:43.2/43

Out: -0.008+/-0.007 χ^2/NDF:35.9/49

All: -0.005+/-0.005 χ^2/NDF: 79.3/93

asym_usl_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.610+/-0.008 χ^2/NDF: 698369.4/20

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 33.000+/-0.007 χ^2/NDF: 1838688.8/25

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

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

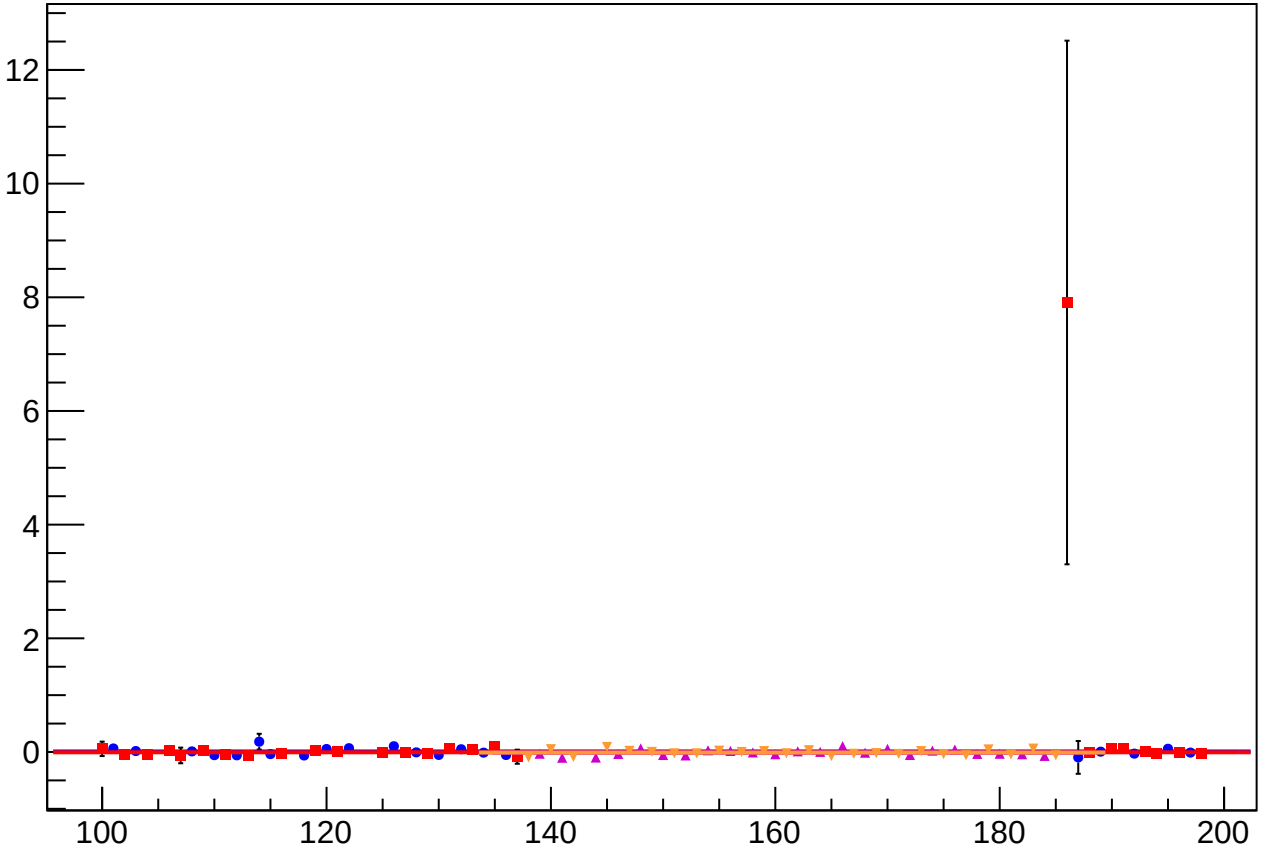
Right: 33.277+/-0.005 χ^2/NDF: 2540368.2/46

In: 36.801+/-0.005 χ^2/NDF:1509905.9/43

Out: 36.180+/-0.005 χ^2/NDF:2835523.1/49

All: 36.476+/-0.004 χ^2/NDF: 4353136.9/93

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.011 χ^2/NDF: 18.1/20

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.005+/-0.010 χ^2/NDF: 16.4/25

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

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

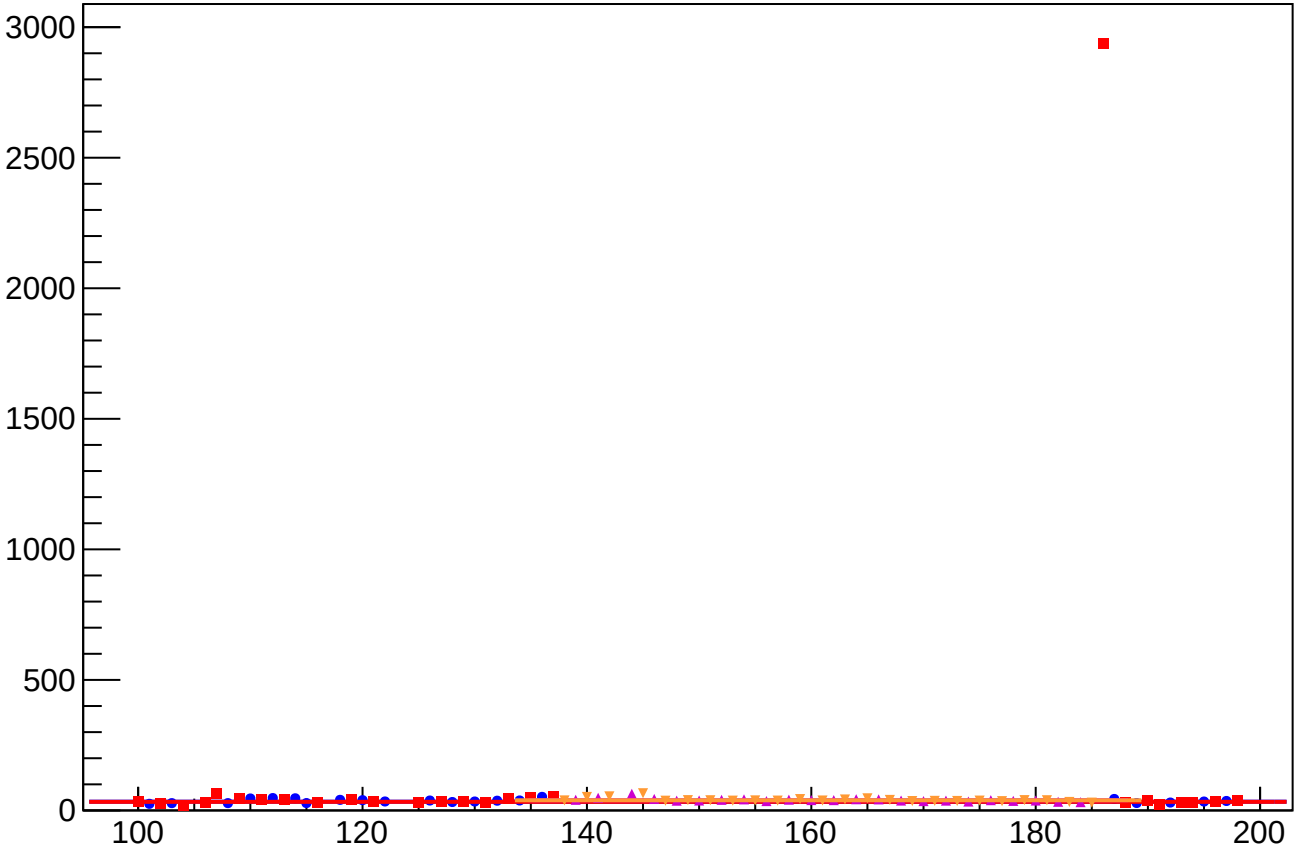
Right: 0.001+/-0.007 χ^2/NDF: 35.3/46

In: -0.003+/-0.007 χ^2/NDF:43.2/43

Out: -0.008+/-0.007 χ^2/NDF:35.9/49

All: -0.005+/-0.005 χ^2/NDF: 79.3/93

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.610+/-0.008 χ^2/NDF: 698369.4/20

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 33.000+/-0.007 χ^2/NDF: 1838688.8/25

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

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

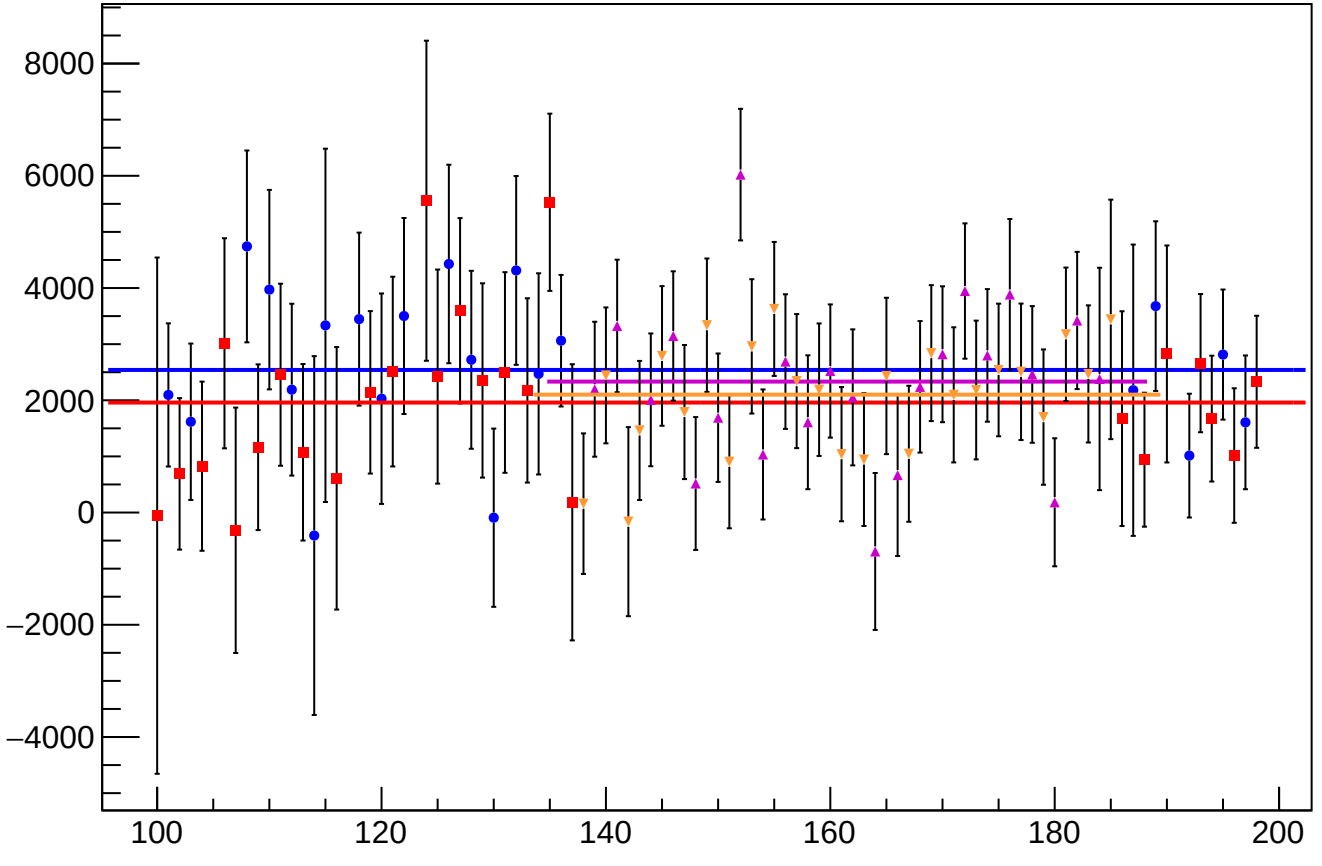
Right: 33.277+/-0.005 χ^2/NDF: 2540368.2/46

In: 36.801+/-0.005 χ^2/NDF:1509905.9/43

Out: 36.180+/-0.005 χ^2/NDF:2835523.1/49

All: 36.476+/-0.004 χ^2/NDF: 4353136.9/93

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2540.681+/-336.895 χ^2/NDF: 12.9/20

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1959.699+/-312.354 χ^2/NDF: 14.7/25

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

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

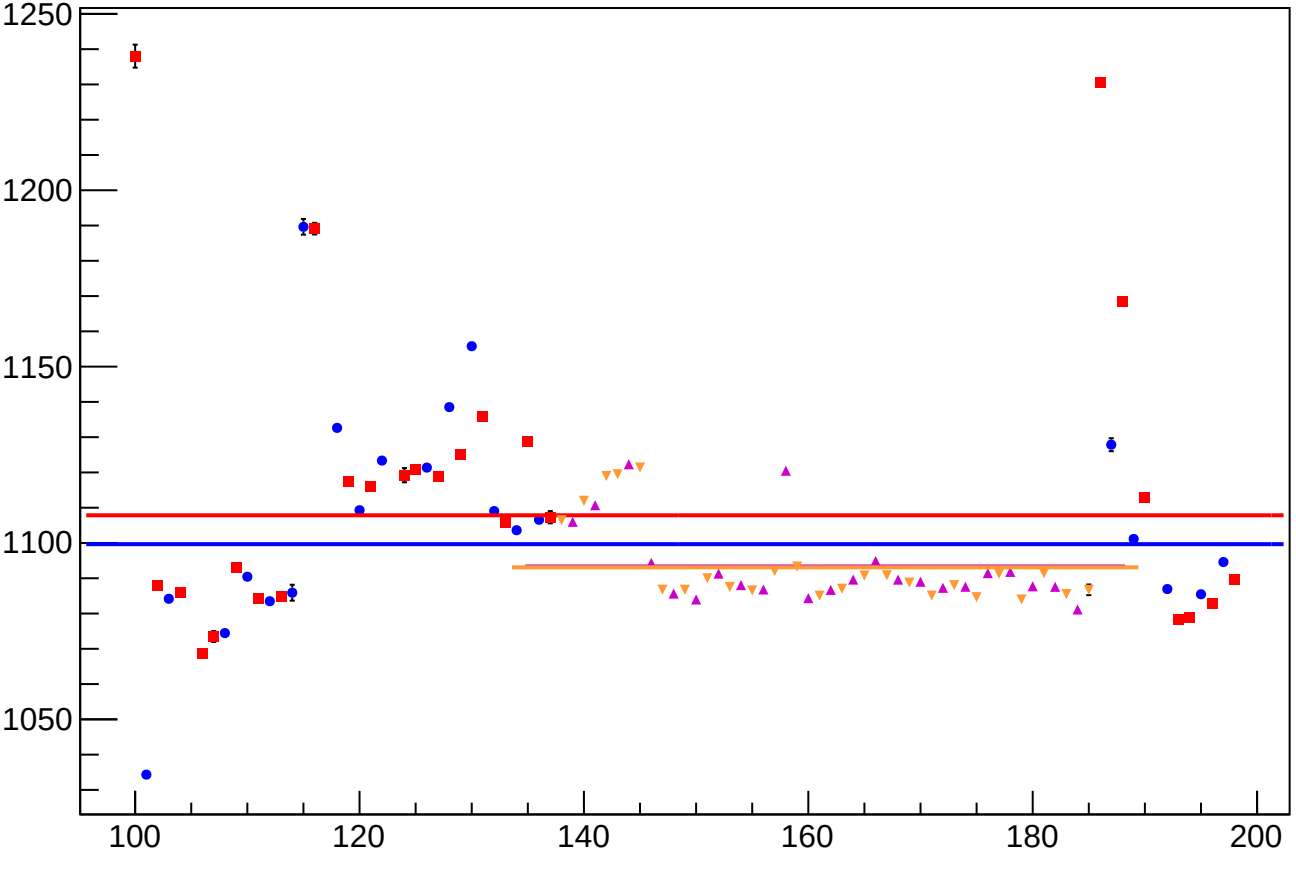
Right: 2228.261+/-229.053 χ^2/NDF: 29.2/46

In: 2408.724+/-203.467 χ^2/NDF:42.7/43

Out: 2045.914+/-194.372 χ^2/NDF:28.6/50

All: 2219.029+/-140.547 χ^2/NDF: 73.0/94

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1099.666+/-0.238 χ^2/NDF: 14196.1/20

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1107.853+/-0.221 χ^2/NDF: 25914.0/25

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

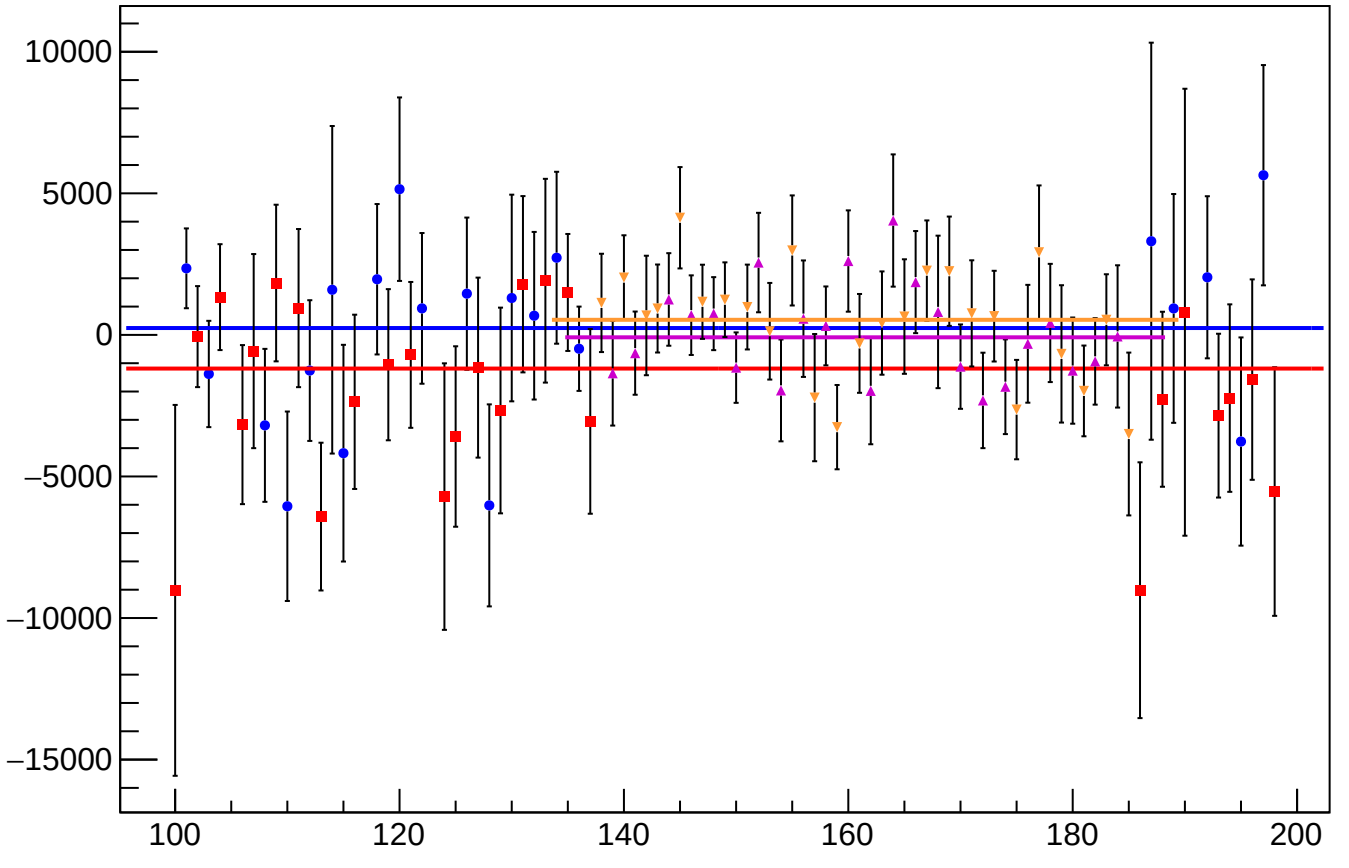
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1104.069+/-0.162 χ^2/NDF: 40745.1/46

In: 1095.647+/-0.144 χ^2/NDF:18370.0/43

Out: 1098.814+/-0.137 χ^2/NDF:32630.3/50

All: 1097.303+/-0.099 χ^2/NDF: 51253.7/94



Right In: 242.534+/-581.125 χ^2/NDF: 20.7/20

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1189.000+/-579.589 χ^2/NDF: 20.1/25

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

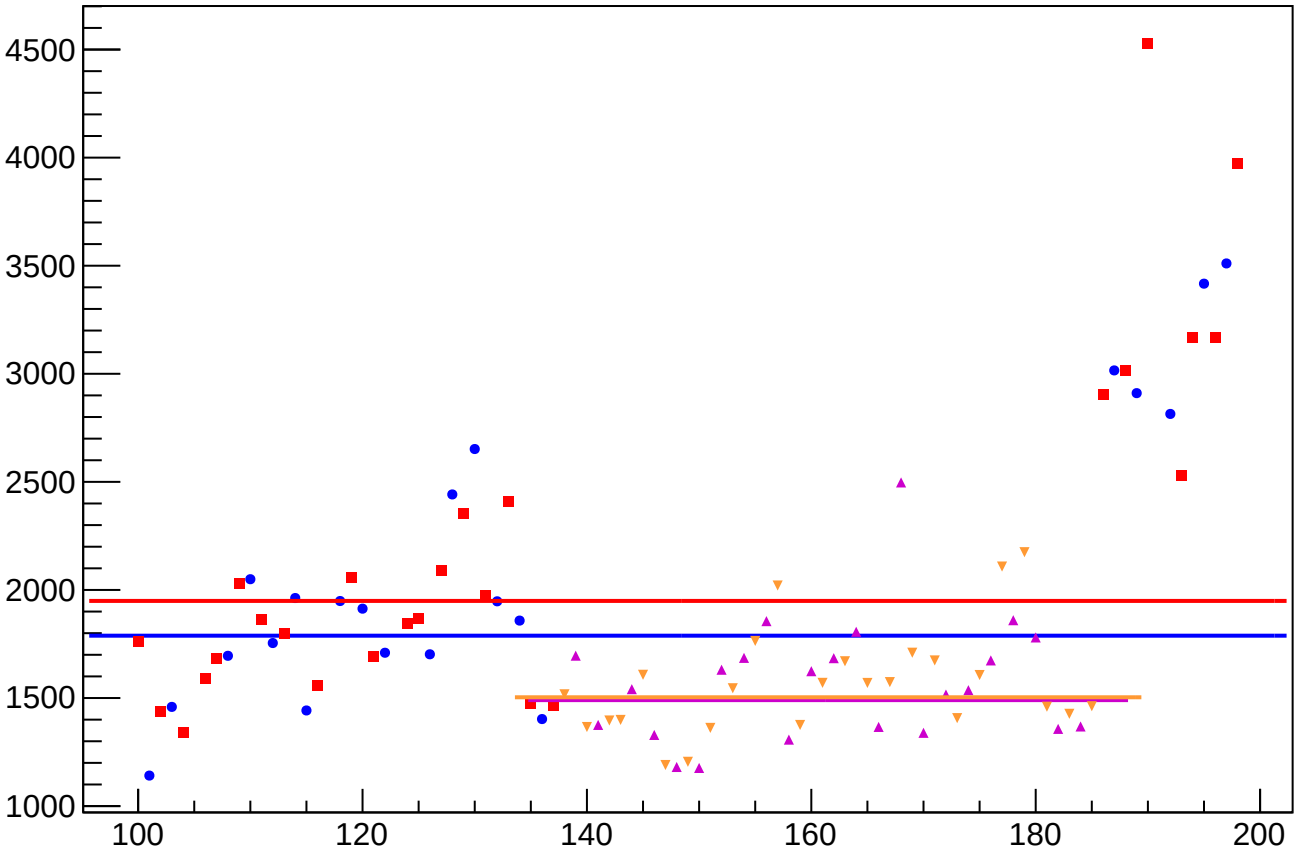
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -475.127+/-410.373 χ^2/NDF: 43.9/46

In: 3.382+/-302.282 χ^2/NDF:39.0/43

Out: 78.187+/-297.861 χ^2/NDF:53.0/50

All: 41.335+/-212.165 χ^2/NDF: 92.1/94



Right In: 1788.415+/-0.411 χ^2/NDF: 2107002.7/20

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1949.236+/-0.410 χ^2/NDF: 2258869.4/25

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

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

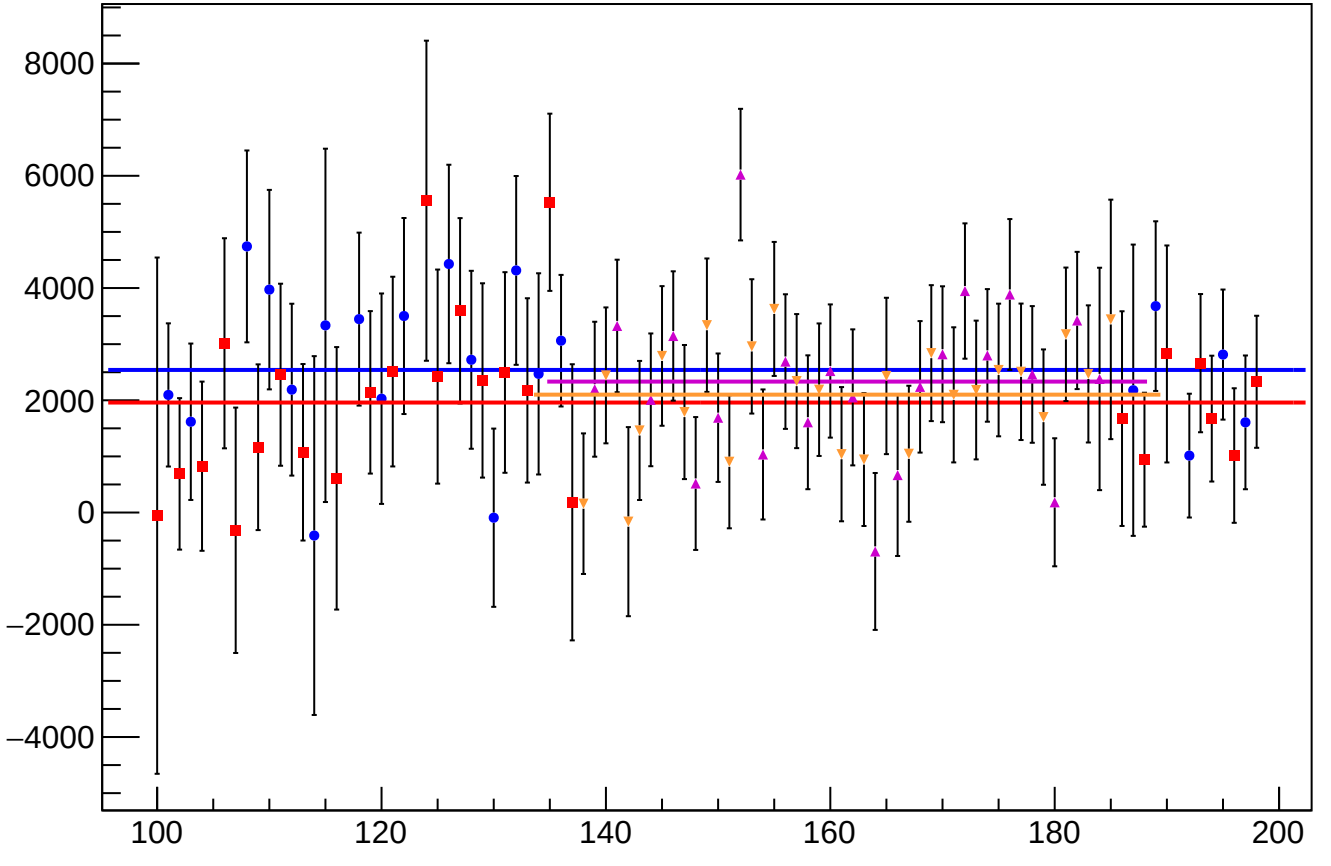
Right: 1869.038+/-0.290 χ^2/NDF: 4442660.4/46

In: 1570.973+/-0.214 χ^2/NDF:3459106.6/43

Out: 1621.178+/-0.211 χ^2/NDF:3929263.3/50

All: 1596.445+/-0.150 χ^2/NDF: 7416361.1/94

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2540.681+/-336.895 χ^2/NDF: 12.9/20

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1959.699+/-312.354 χ^2/NDF: 14.7/25

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

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

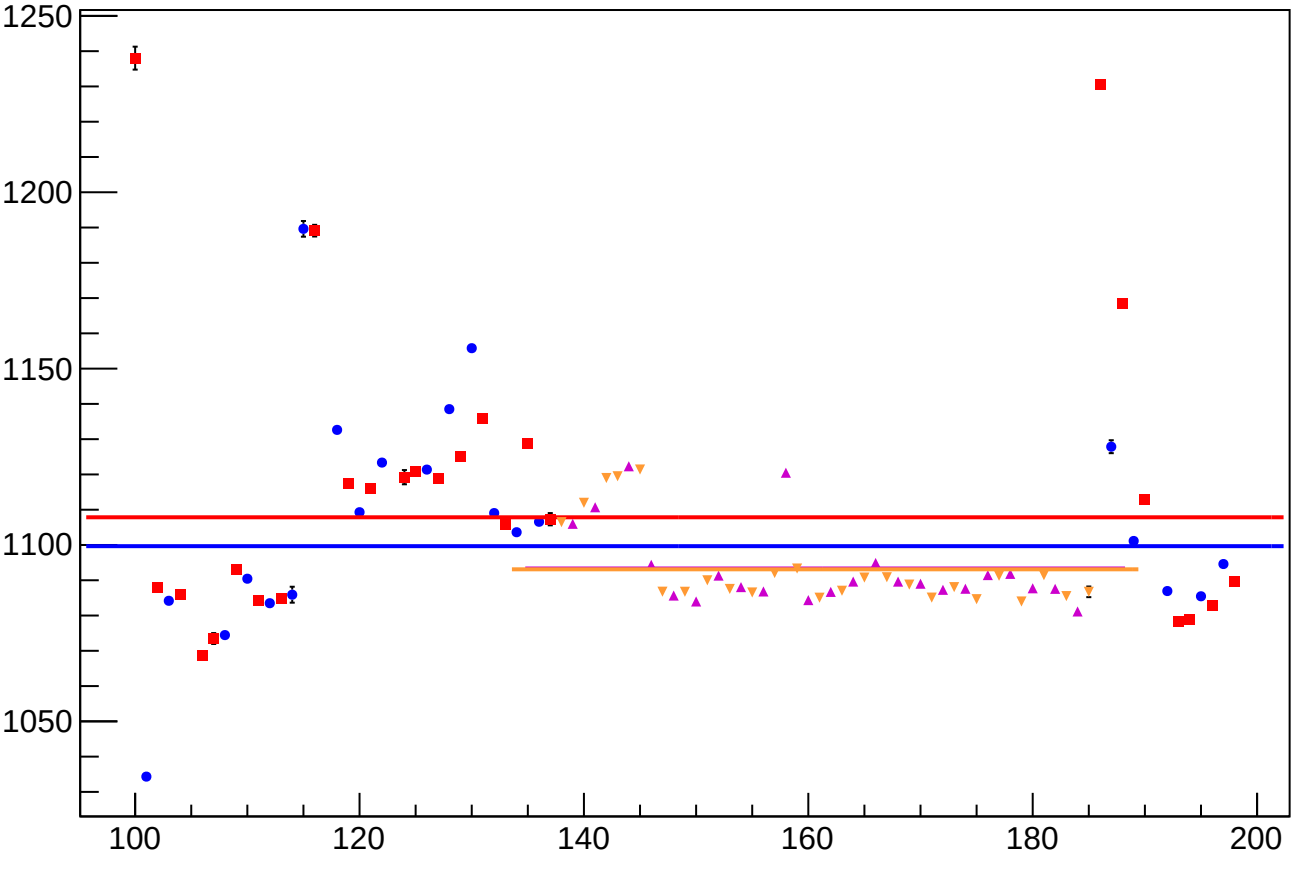
Right: 2228.261+/-229.053 χ^2/NDF: 29.2/46

In: 2408.724+/-203.467 χ^2/NDF:42.7/43

Out: 2045.914+/-194.372 χ^2/NDF:28.6/50

All: 2219.029+/-140.547 χ^2/NDF: 73.0/94

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1099.666+/-0.238 χ^2/NDF: 14196.1/20

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1107.853+/-0.221 χ^2/NDF: 25914.0/25

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

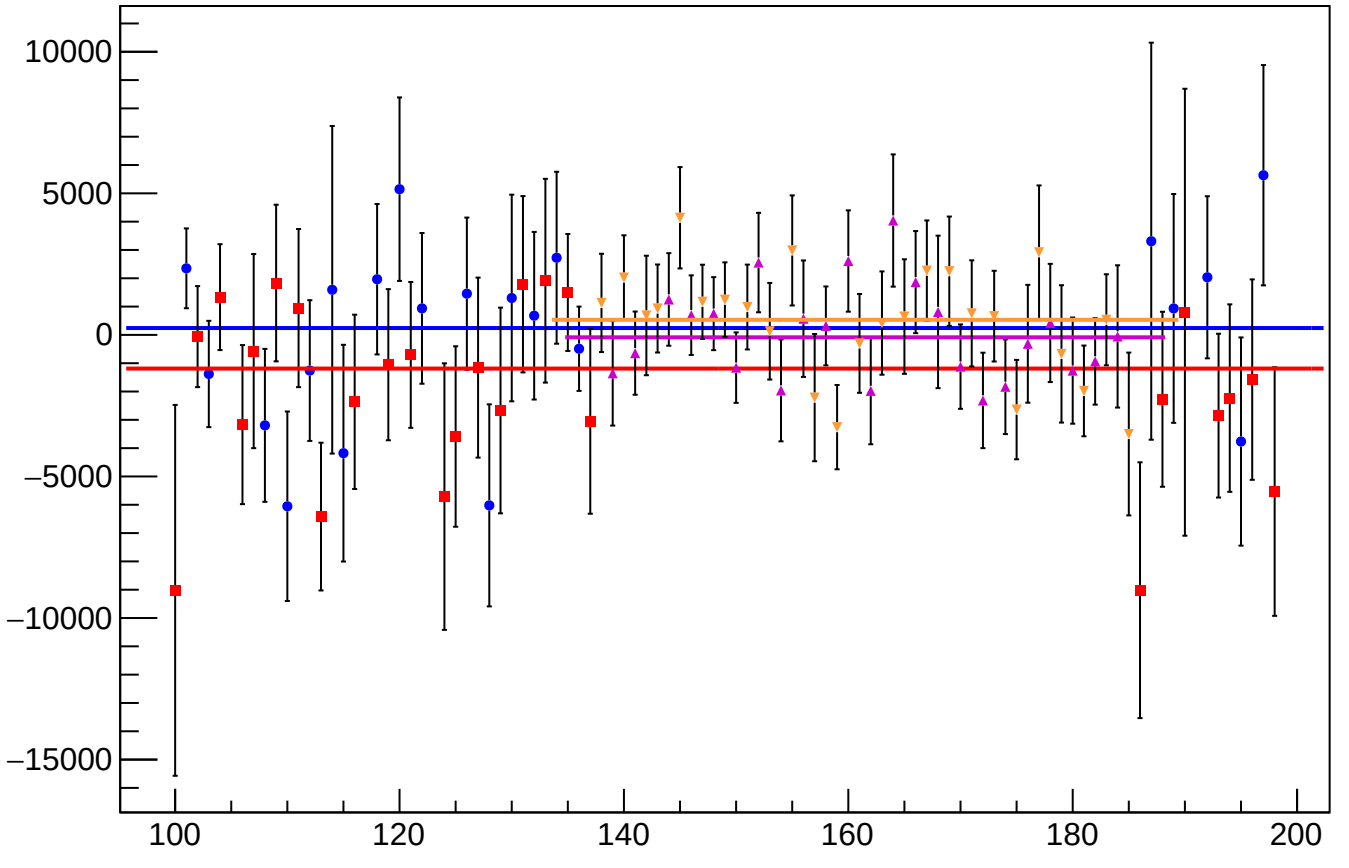
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1104.069+/-0.162 χ^2/NDF: 40745.1/46

In: 1095.647+/-0.144 χ^2/NDF:18370.0/43

Out: 1098.814+/-0.137 χ^2/NDF:32630.3/50

All: 1097.303+/-0.099 χ^2/NDF: 51253.7/94



Right In: 242.534+/-581.125 χ^2/NDF: 20.7/20

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1189.000+/-579.589 χ^2/NDF: 20.1/25

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

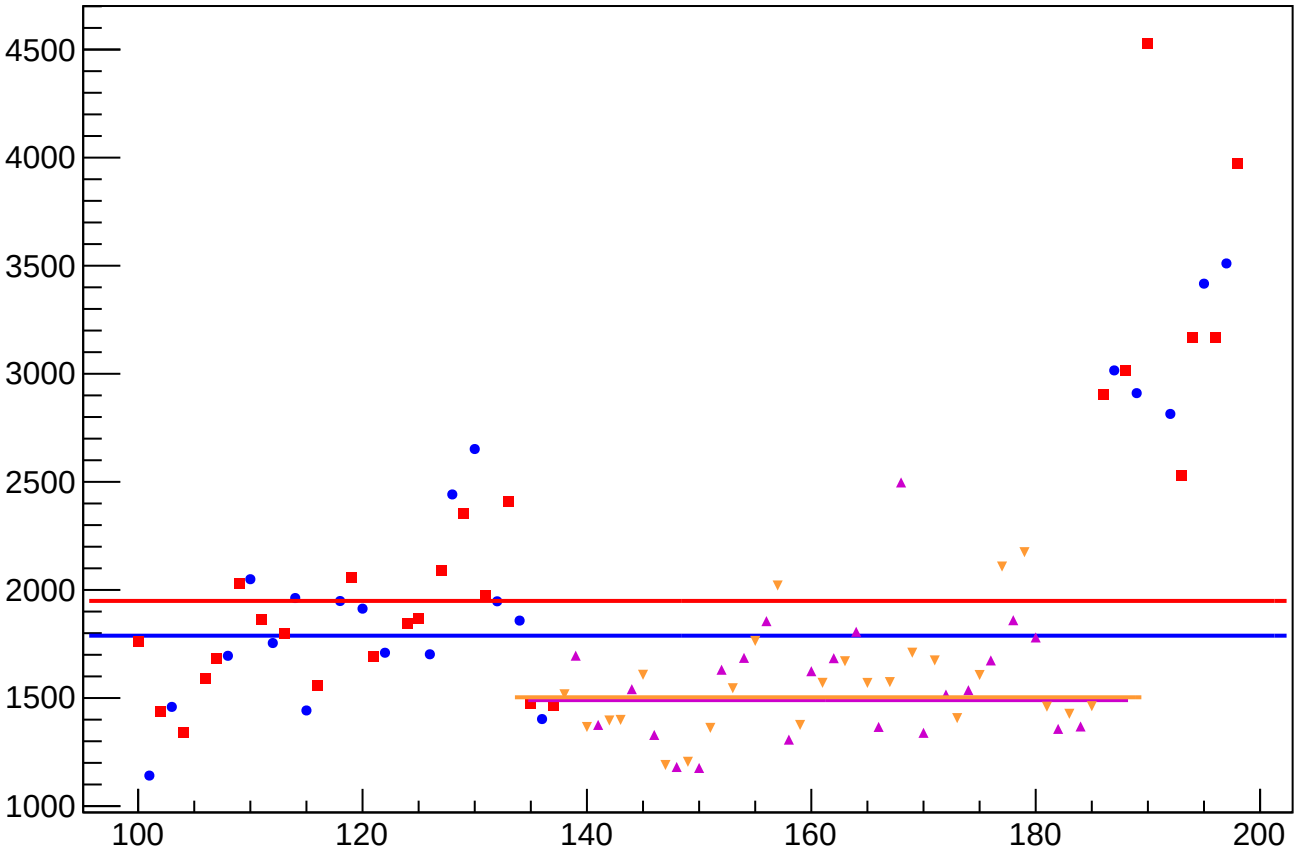
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -475.127+/-410.373 χ^2/NDF: 43.9/46

In: 3.382+/-302.282 χ^2/NDF:39.0/43

Out: 78.187+/-297.861 χ^2/NDF:53.0/50

All: 41.335+/-212.165 χ^2/NDF: 92.1/94



Right In: 1788.415+/-0.411 χ^2/NDF: 2107002.7/20

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1949.236+/-0.410 χ^2/NDF: 2258869.4/25

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

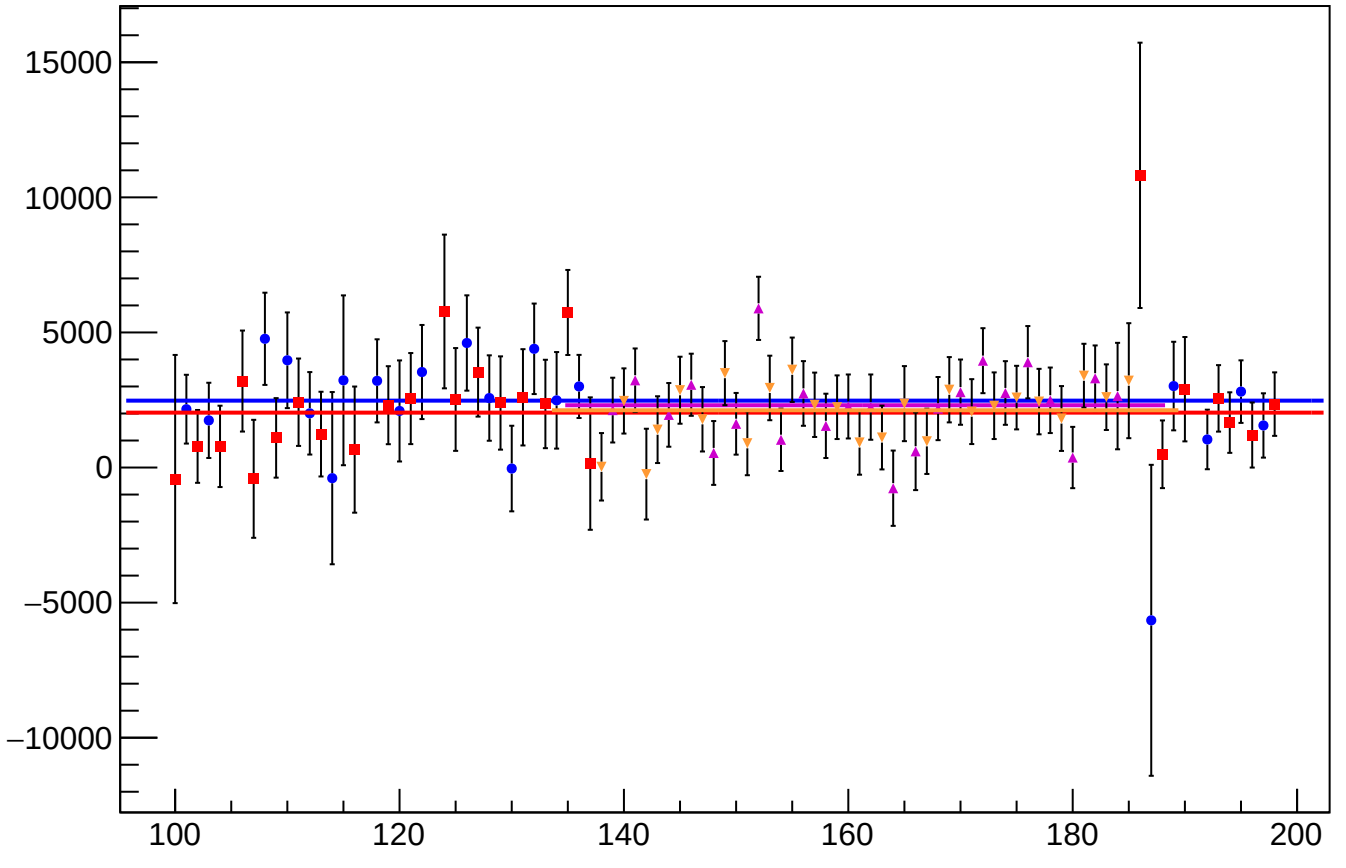
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 1869.038+/-0.290 χ^2/NDF: 4442660.4/46

In: 1570.973+/-0.214 χ^2/NDF:3459106.6/43

Out: 1621.178+/-0.211 χ^2/NDF:3929263.3/50

All: 1596.445+/-0.150 χ^2/NDF: 7416361.1/94



Right In: 2476.072+/-339.758 χ^2/NDF: 14.4/20

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: 2031.910+/-316.515 χ^2/NDF: 19.4/25

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

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

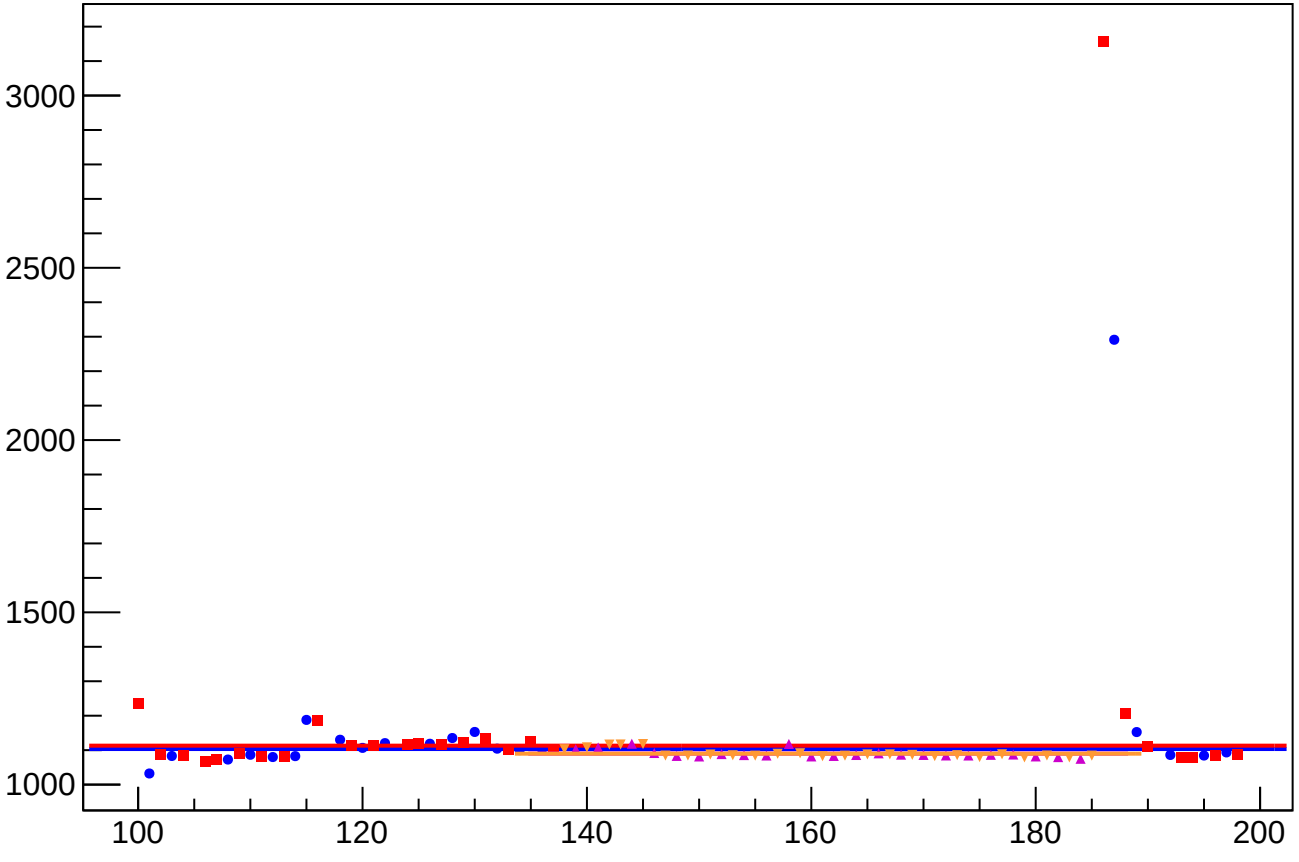
Right: 2238.280+/-231.591 χ^2/NDF: 34.7/46

In: 2366.750+/-203.690 χ^2/NDF:43.1/43

Out: 2086.551+/-194.991 χ^2/NDF:34.5/50

All: 2220.539+/-140.854 χ^2/NDF: 78.6/94

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1103.267+/-0.240 χ^2/NDF: 101373.8/20

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1113.048+/-0.224 χ^2/NDF: 372104.3/25

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

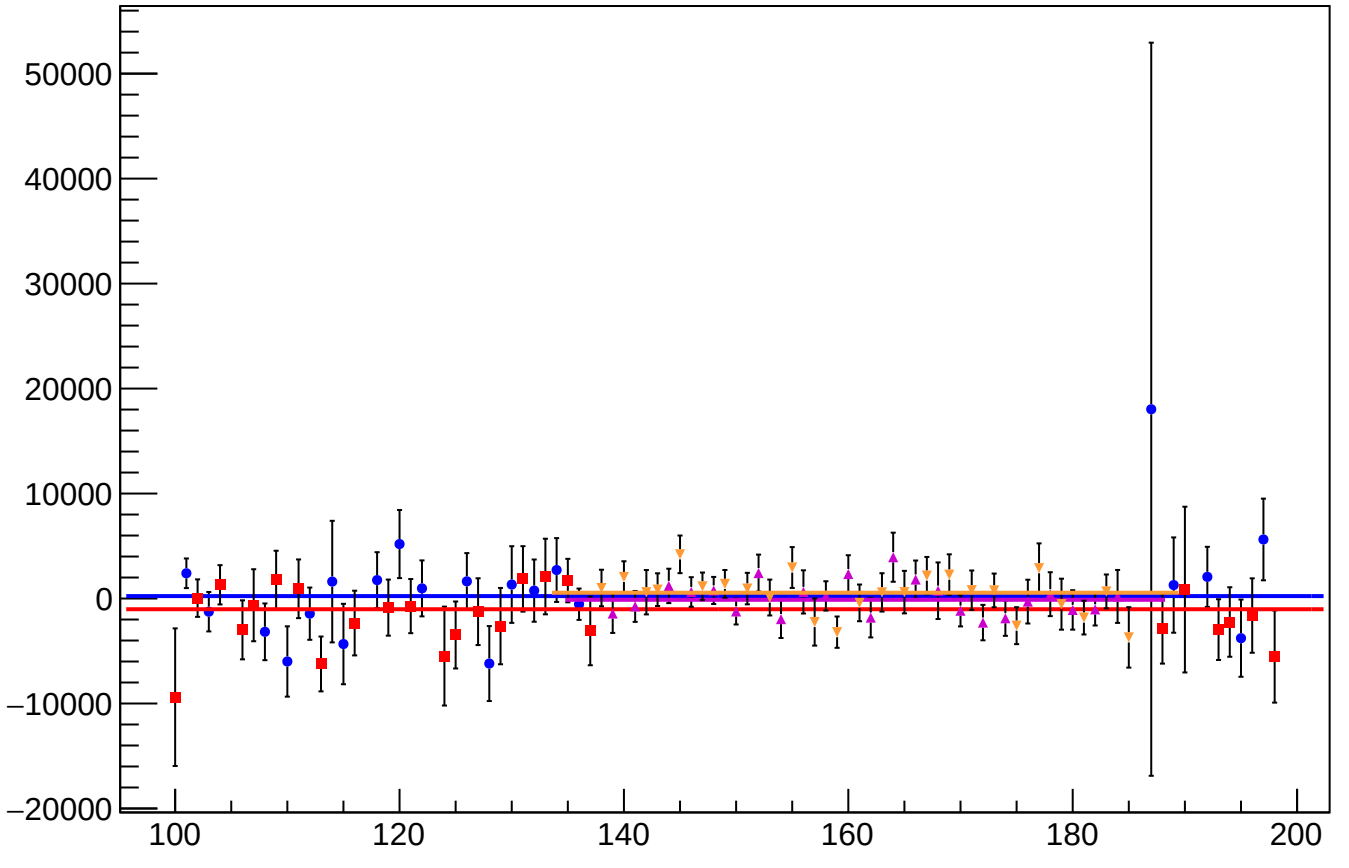
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1108.503+/-0.164 χ^2/NDF: 474365.5/46

In: 1094.745+/-0.144 χ^2/NDF:107233.7/43

Out: 1098.588+/-0.138 χ^2/NDF:382889.1/50

All: 1096.751+/-0.100 χ^2/NDF: 490494.3/94



Right In: 231.142+/-584.979 χ^2/NDF: 21.1/20

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: -1020.381+/-586.398 χ^2/NDF: 17.2/24

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

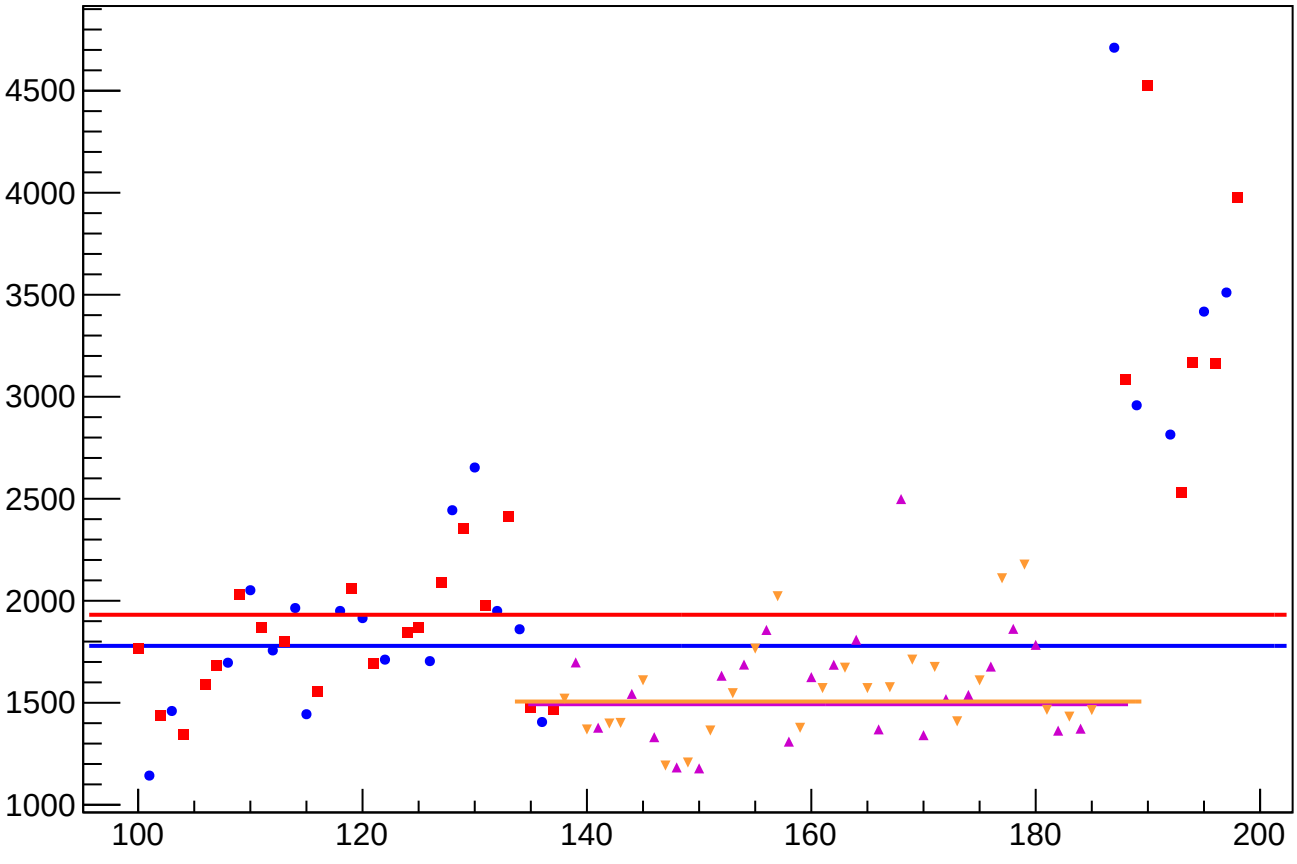
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

Right: -393.104+/-414.143 χ^2/NDF: 40.6/45

In: -26.706+/-303.200 χ^2/NDF:38.5/43

Out: 144.089+/-299.149 χ^2/NDF:48.7/49

All: 59.840+/-212.948 χ^2/NDF: 87.3/93



Right In: 1778.947+/-0.414 χ^2/NDF: 2031950.9/20

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 1931.405+/-0.415 χ^2/NDF: 2152768.2/24

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

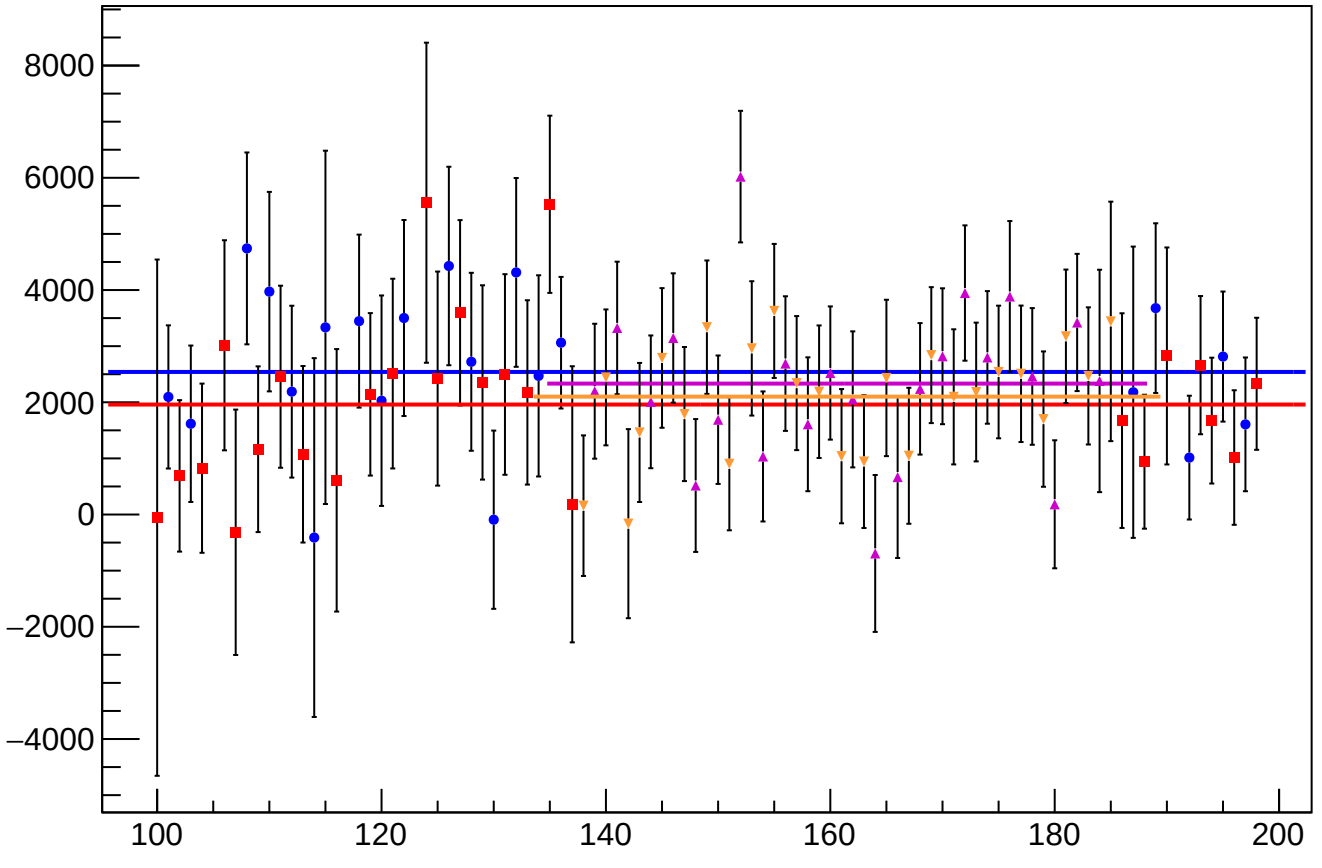
Left: 1499.665+/-0.176 χ^2/NDF: 1762156.9/47

Right: 1854.992+/-0.293 χ^2/NDF: 4252477.7/45

In: 1569.801+/-0.214 χ^2/NDF:3345869.7/43

Out: 1616.788+/-0.212 χ^2/NDF:3727431.5/49

All: 1593.610+/-0.151 χ^2/NDF: 7097640.0/93



Right In: 2540.681+/-336.895 χ^2/NDF: 12.9/20

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1959.699+/-312.354 χ^2/NDF: 14.7/25

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

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

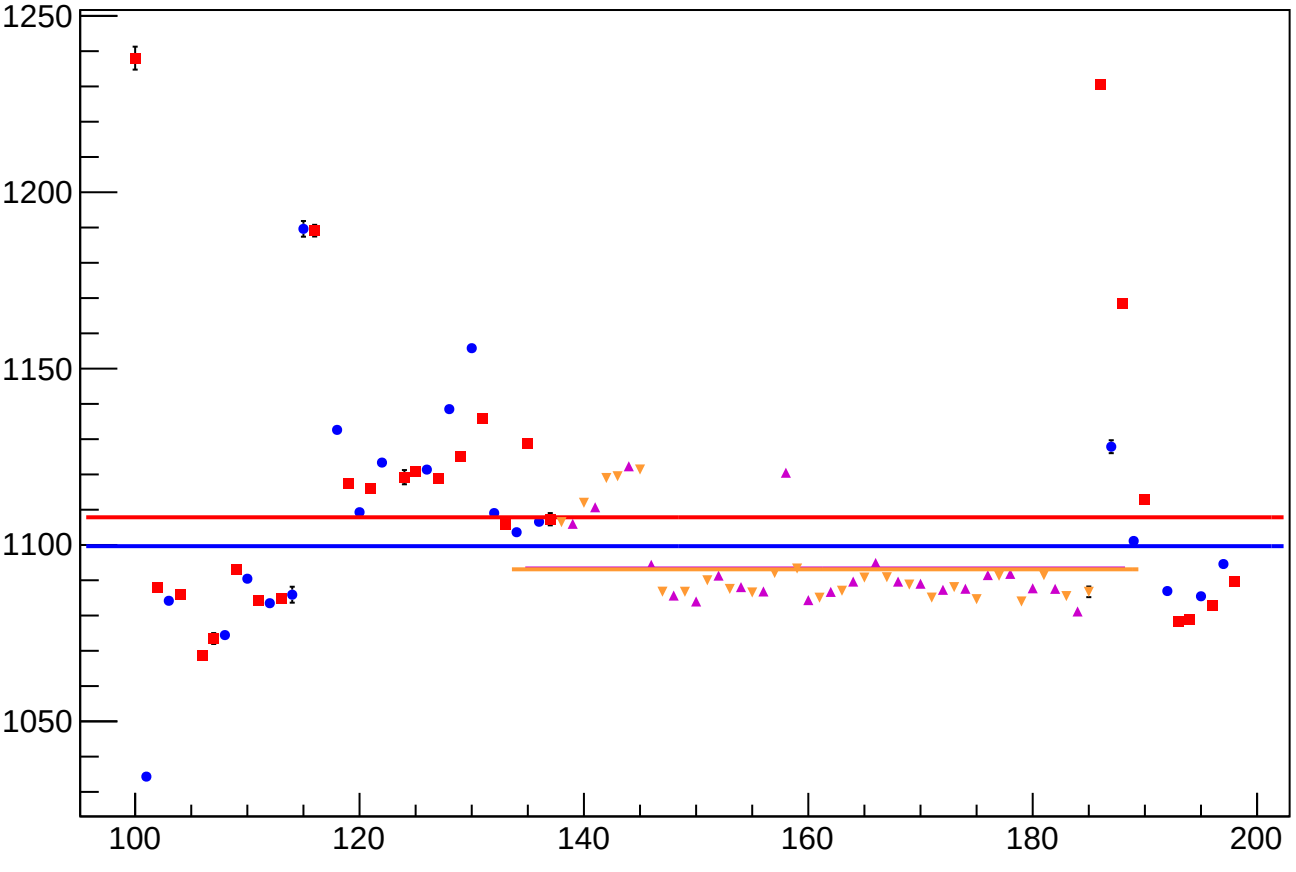
Right: 2228.261+/-229.053 χ^2/NDF: 29.2/46

In: 2408.724+/-203.467 χ^2/NDF:42.7/43

Out: 2045.914+/-194.372 χ^2/NDF:28.6/50

All: 2219.029+/-140.547 χ^2/NDF: 73.0/94

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1099.666+/-0.238 χ^2/NDF: 14196.1/20

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1107.853+/-0.221 χ^2/NDF: 25914.0/25

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

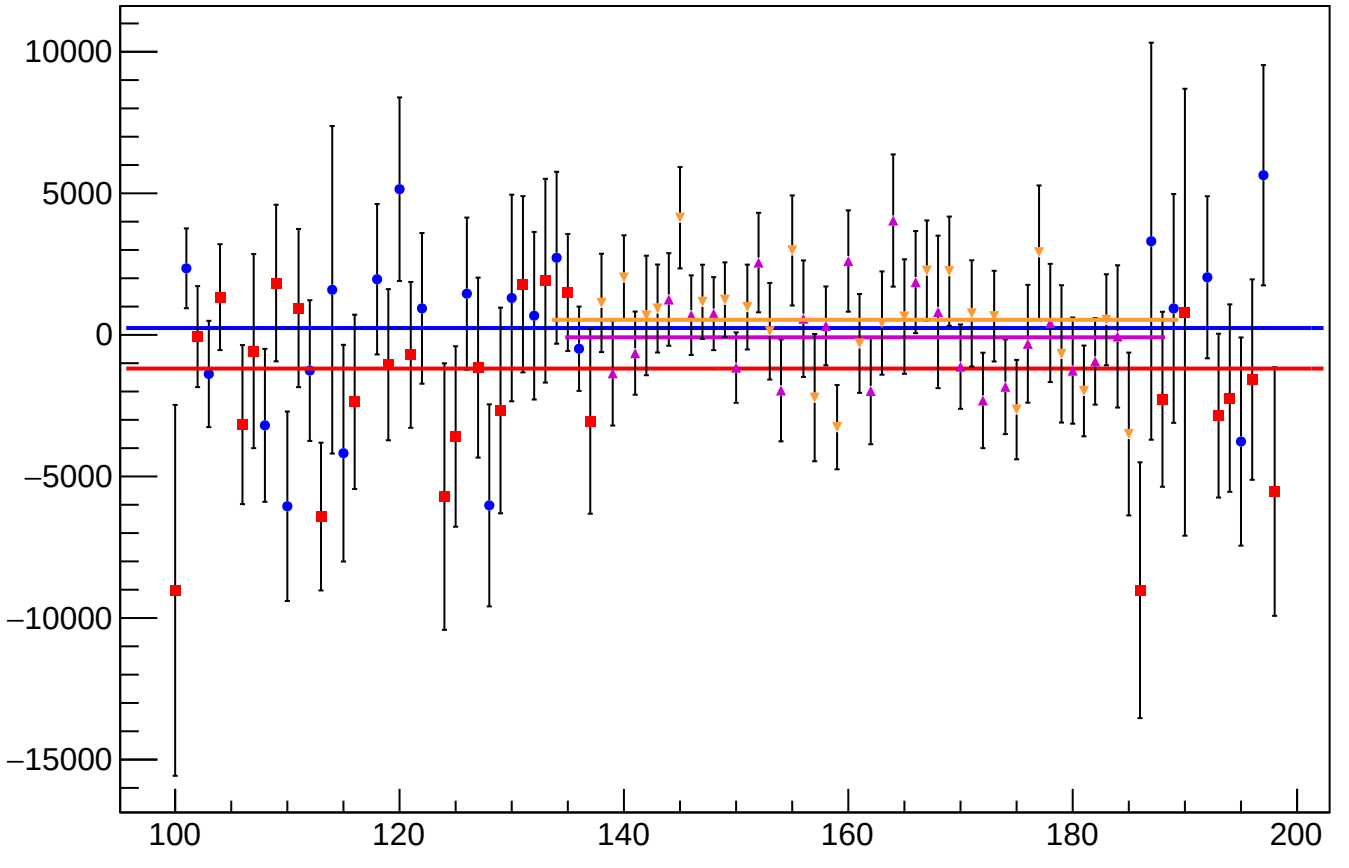
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1104.069+/-0.162 χ^2/NDF: 40745.1/46

In: 1095.647+/-0.144 χ^2/NDF:18370.0/43

Out: 1098.814+/-0.137 χ^2/NDF:32630.3/50

All: 1097.303+/-0.099 χ^2/NDF: 51253.7/94



Right In: 242.534+/-581.125 χ^2/NDF: 20.7/20

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1189.000+/-579.589 χ^2/NDF: 20.1/25

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

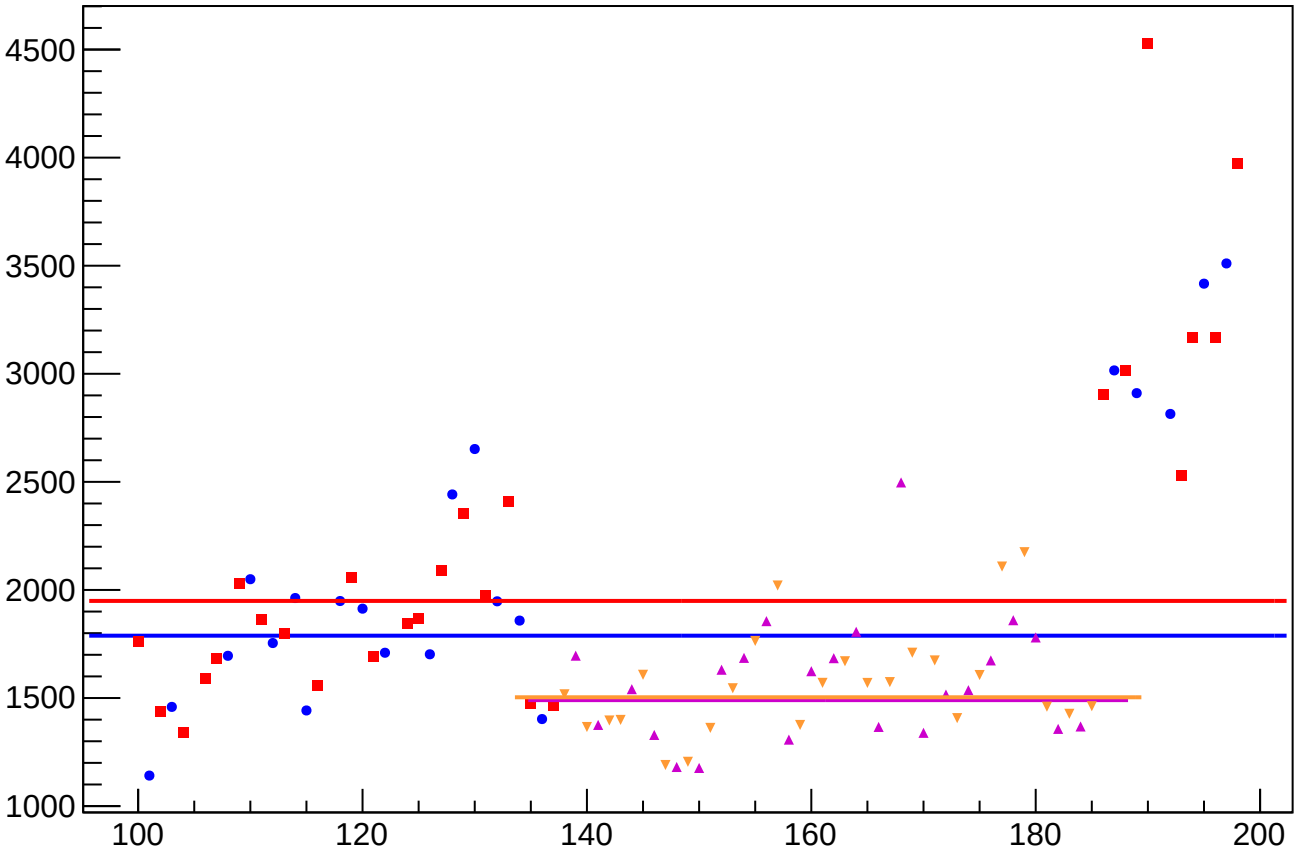
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -475.127+/-410.373 χ^2/NDF: 43.9/46

In: 3.382+/-302.282 χ^2/NDF:39.0/43

Out: 78.187+/-297.861 χ^2/NDF:53.0/50

All: 41.335+/-212.165 χ^2/NDF: 92.1/94



Right In: 1788.415+/-0.411 χ^2/NDF: 2107002.7/20

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1949.236+/-0.410 χ^2/NDF: 2258869.4/25

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

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

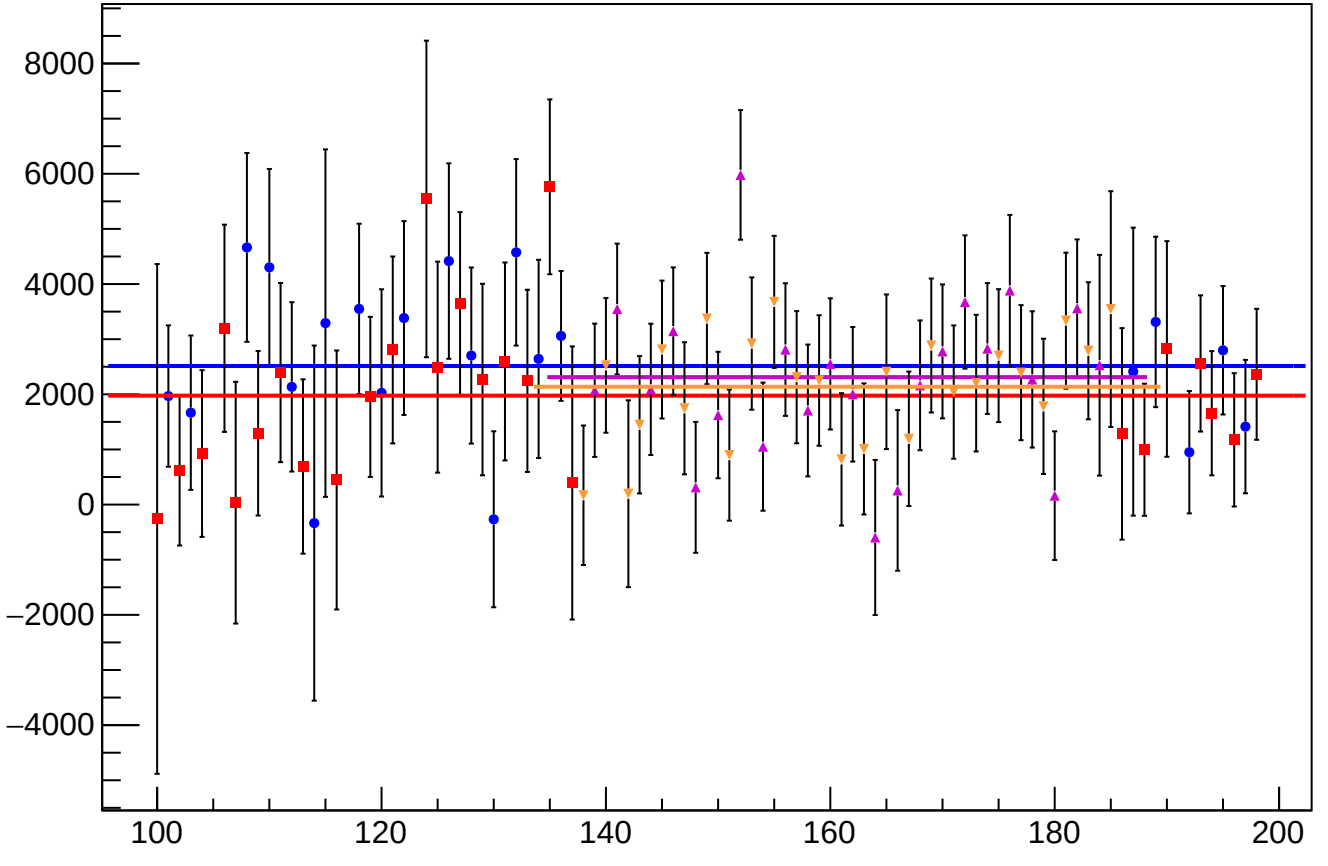
Right: 1869.038+/-0.290 χ^2/NDF: 4442660.4/46

In: 1570.973+/-0.214 χ^2/NDF:3459106.6/43

Out: 1621.178+/-0.211 χ^2/NDF:3929263.3/50

All: 1596.445+/-0.150 χ^2/NDF: 7416361.1/94

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2513.849+/-338.997 χ^2/NDF: 13.8/20

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: 1975.899+/-313.948 χ^2/NDF: 15.3/25

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.119+/-179.284 χ^2/NDF: 44.1/47

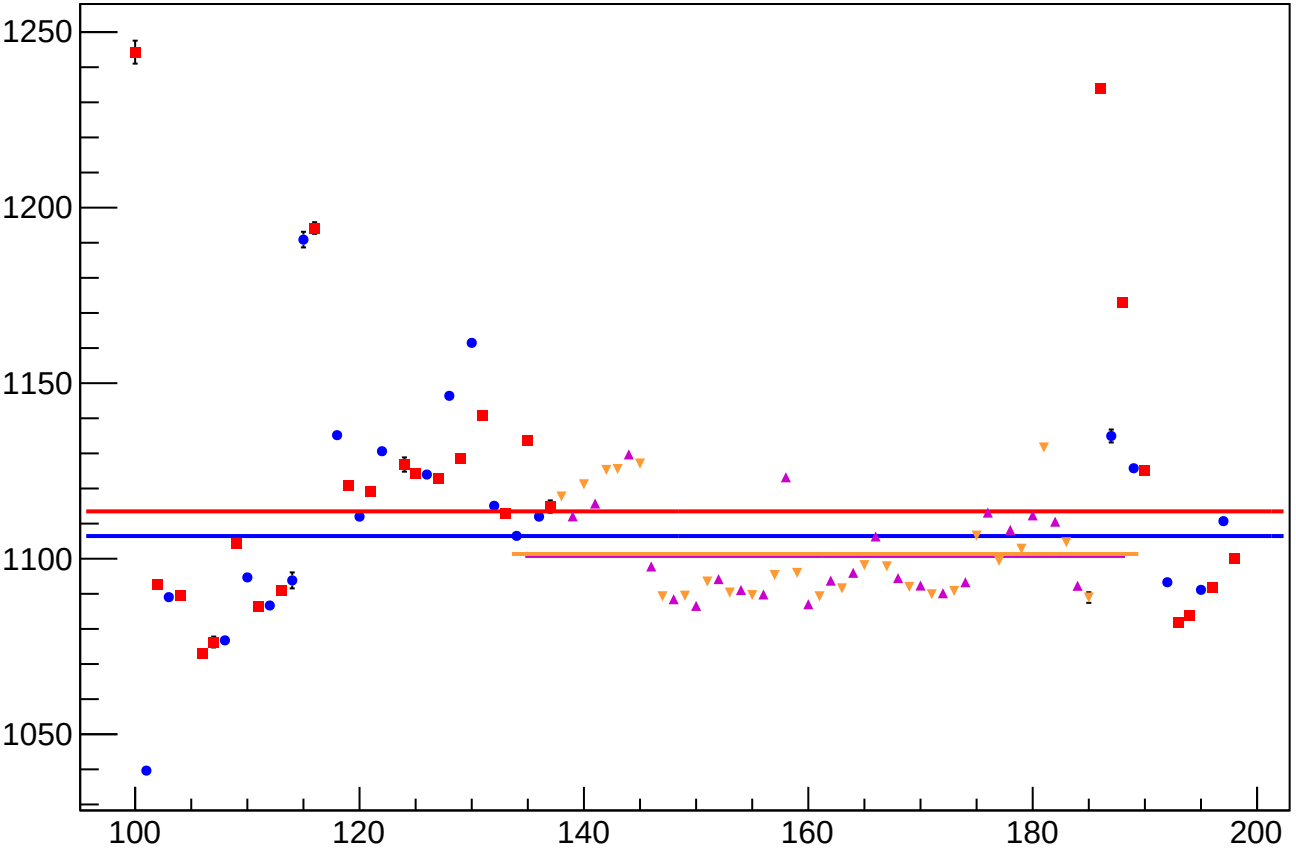
Right: 2224.266+/-230.342 χ^2/NDF: 30.5/46

In: 2385.531+/-204.817 χ^2/NDF:44.0/43

Out: 2074.539+/-195.662 χ^2/NDF:29.4/50

All: 2222.929+/-141.480 χ^2/NDF: 74.6/94

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1106.457+/-0.240 χ^2/NDF: 14439.3/20

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1113.481+/-0.222 χ^2/NDF: 25178.7/25

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

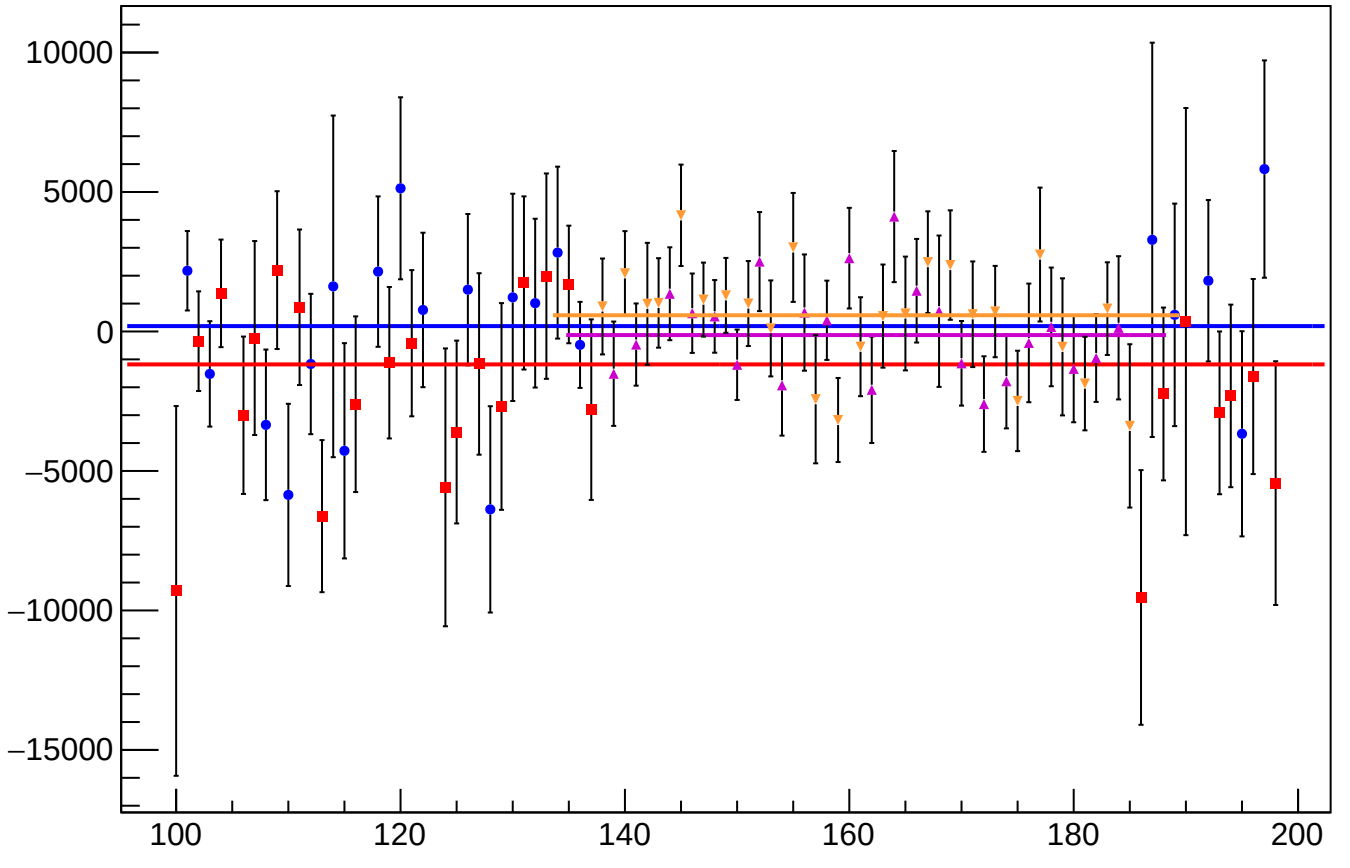
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1110.238+/-0.163 χ^2/NDF: 40080.2/46

In: 1102.860+/-0.145 χ^2/NDF:19435.6/43

Out: 1106.064+/-0.138 χ^2/NDF:32954.6/50

All: 1104.535+/-0.100 χ^2/NDF: 52646.1/94



Right In: 192.542+/-589.535 χ^2/NDF: 20.6/20

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: -1180.216+/-587.480 χ^2/NDF: 20.4/25

Left In: -128.769+/-359.128 χ^2/NDF:17.9/22

Left: 232.050+/-251.888 χ^2/NDF: 45.2/47

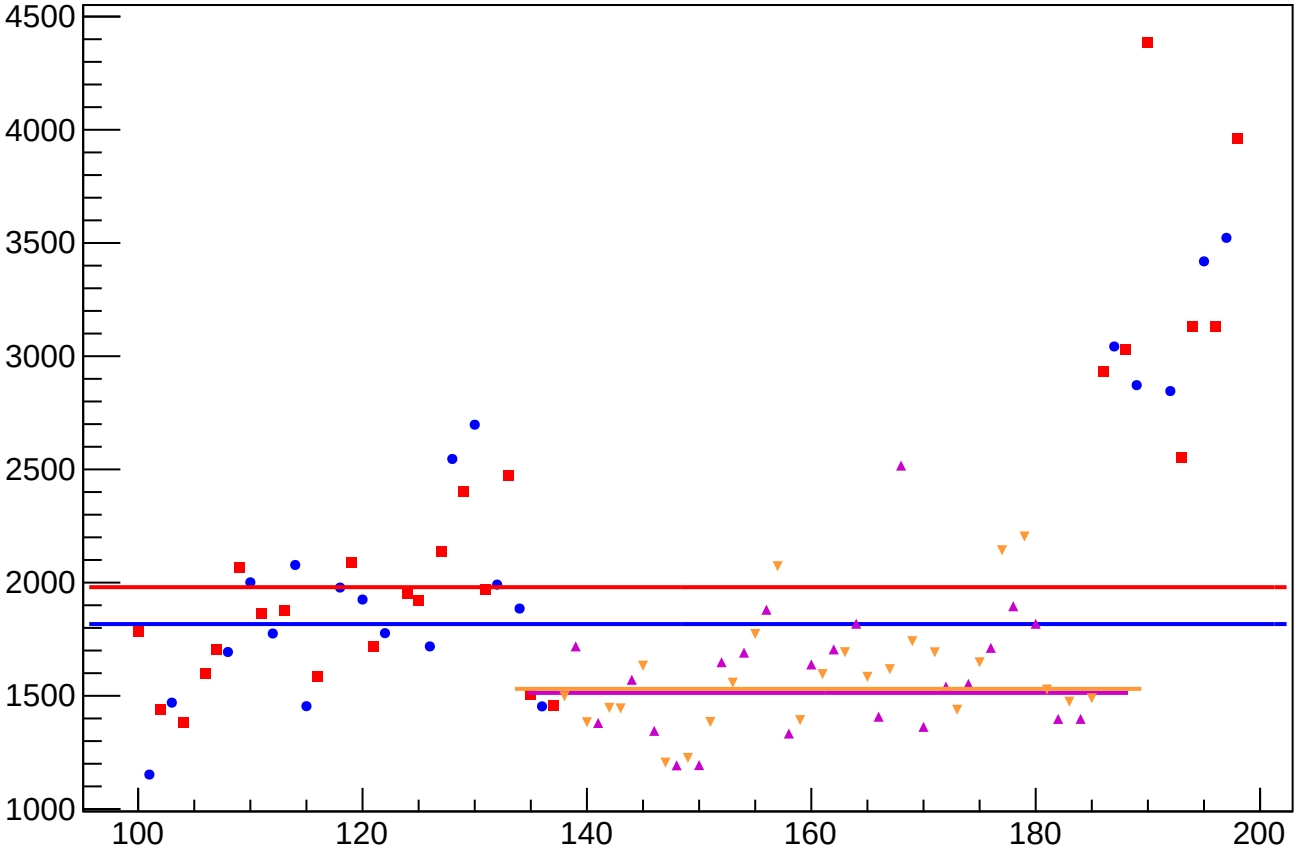
Right: -496.233+/-416.136 χ^2/NDF: 43.7/46

In: -41.805+/-306.702 χ^2/NDF:38.7/43

Out: 113.358+/-302.823 χ^2/NDF:52.3/50

All: 36.764+/-215.487 χ^2/NDF: 91.2/94

asym_usr_dit_correction_rms vs Slug, Sign Corrected



Right In: 1816.940+/-0.417 χ^2/NDF: 2073530.3/20

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 1979.861+/-0.415 χ^2/NDF: 2175860.2/25

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

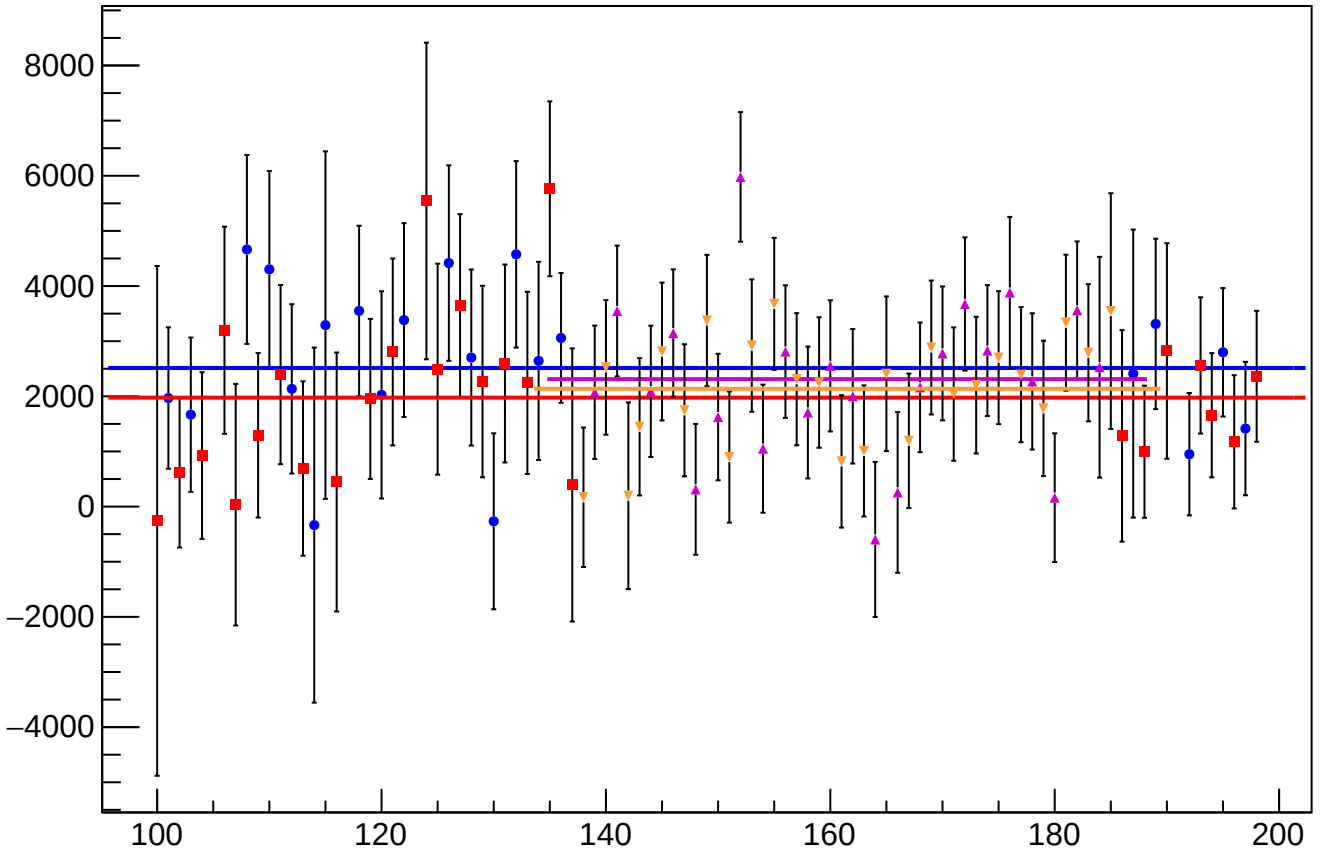
Left: 1521.999+/-0.178 χ^2/NDF: 1755195.1/47

Right: 1898.685+/-0.294 χ^2/NDF: 4326029.6/46

In: 1595.224+/-0.217 χ^2/NDF:3418447.7/43

Out: 1650.090+/-0.214 χ^2/NDF:3829712.4/50

All: 1623.006+/-0.152 χ^2/NDF: 7280568.9/94



Right In: 2513.845+/-338.997 χ^2/NDF: 13.8/20

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: 1975.899+/-313.947 χ^2/NDF: 15.3/25

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.118+/-179.284 χ^2/NDF: 44.1/47

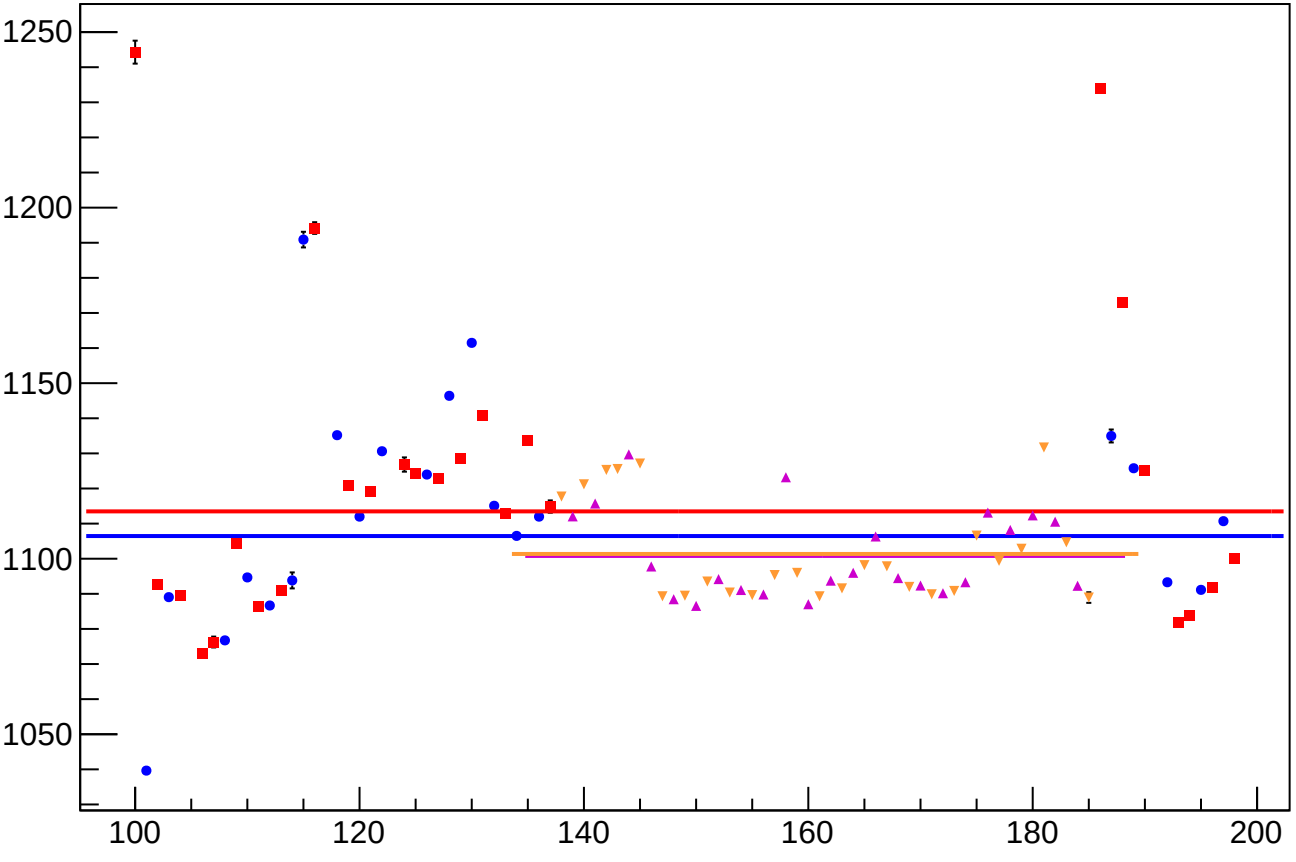
Right: 2224.264+/-230.342 χ^2/NDF: 30.5/46

In: 2385.530+/-204.817 χ^2/NDF:44.0/43

Out: 2074.537+/-195.662 χ^2/NDF:29.4/50

All: 2222.927+/-141.480 χ^2/NDF: 74.6/94

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1106.457+/-0.240 χ^2/NDF: 14439.3/20

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1113.481+/-0.222 χ^2/NDF: 25178.7/25

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

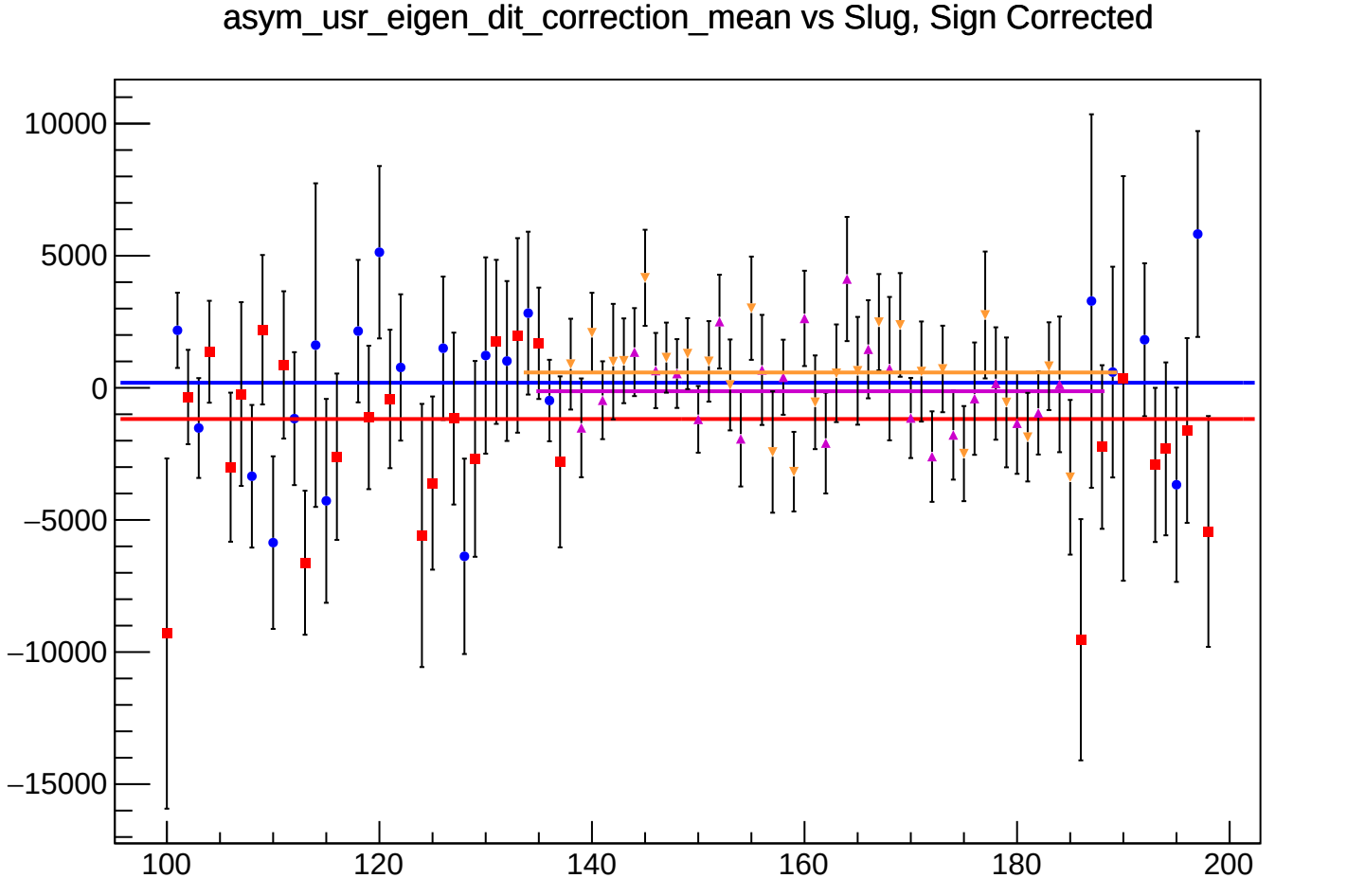
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1110.238+/-0.163 χ^2/NDF: 40080.2/46

In: 1102.860+/-0.145 χ^2/NDF:19435.5/43

Out: 1106.064+/-0.138 χ^2/NDF:32954.5/50

All: 1104.535+/-0.100 χ^2/NDF: 52645.9/94



Right In: 192.538+/-589.534 χ^2/NDF: 20.6/20

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: -1180.217+/-587.479 χ^2/NDF: 20.4/25

Left In: -128.769+/-359.129 χ^2/NDF:17.9/22

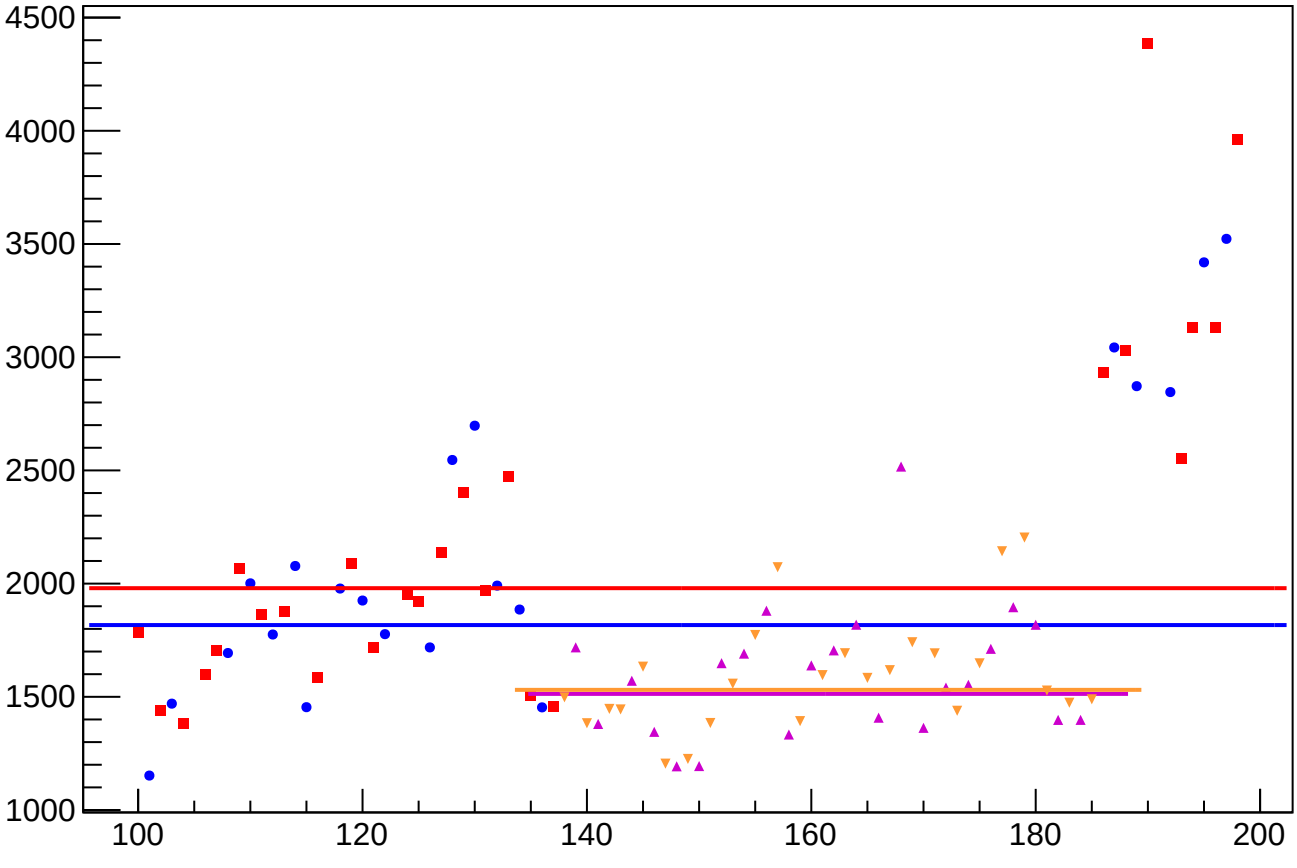
Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

Right: -496.235+/-416.135 χ^2/NDF: 43.7/46

In: -41.806+/-306.702 χ^2/NDF:38.7/43

Out: 113.354+/-302.824 χ^2/NDF:52.3/50

All: 36.761+/-215.487 χ^2/NDF: 91.2/94



Right In: 1816.938+/-0.417 χ^2/NDF: 2073519.6/20

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

Right Out: 1979.860+/-0.415 χ^2/NDF: 2175848.4/25

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

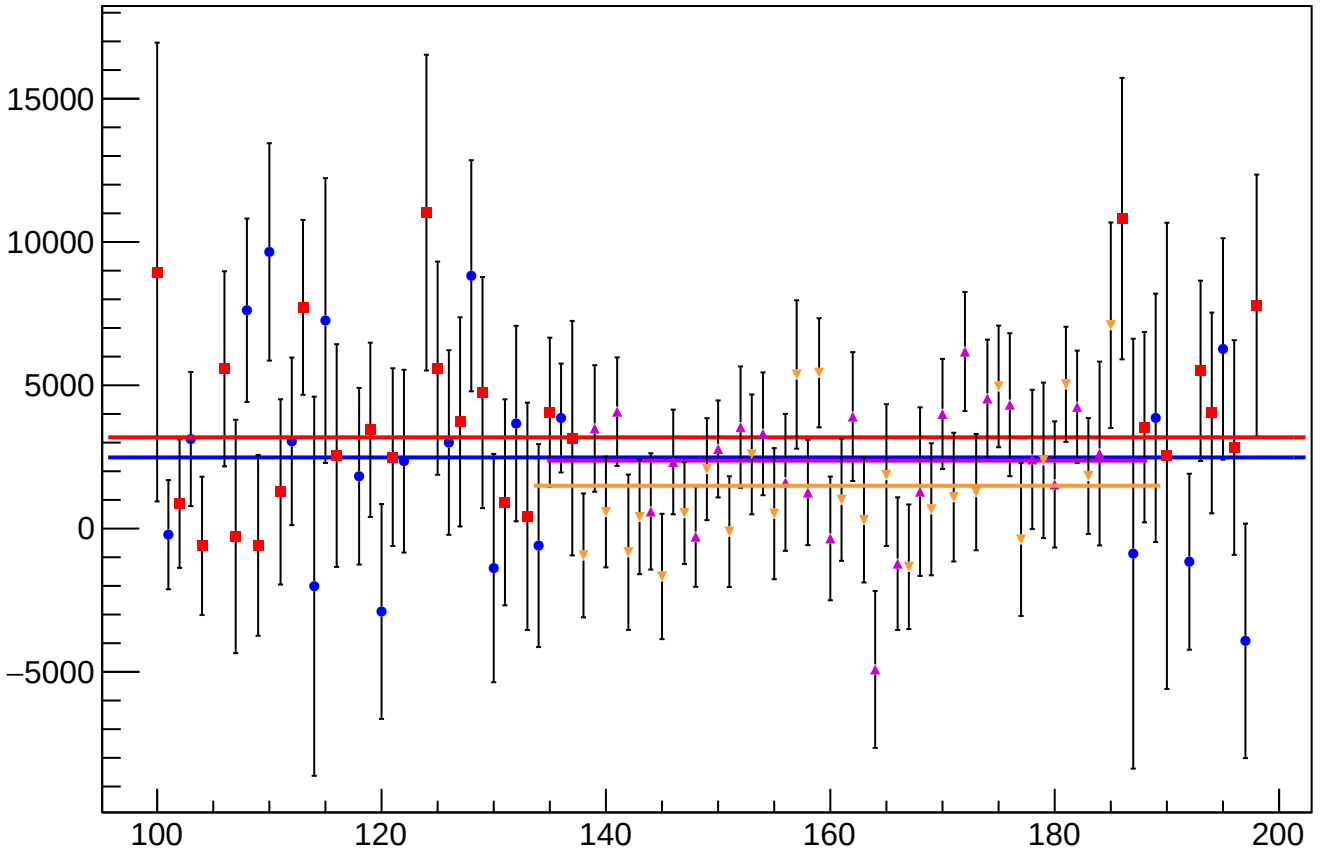
Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

Right: 1898.683+/-0.294 χ^2/NDF: 4326007.8/46

In: 1595.226+/-0.217 χ^2/NDF:3418427.5/43

Out: 1650.093+/-0.214 χ^2/NDF:3829683.0/50

All: 1623.009+/-0.152 χ^2/NDF: 7280519.7/94



Right In: 2482.614+/-698.704 χ^2/NDF: 21.7/20

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: 3183.644+/-681.316 χ^2/NDF: 17.0/25

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

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

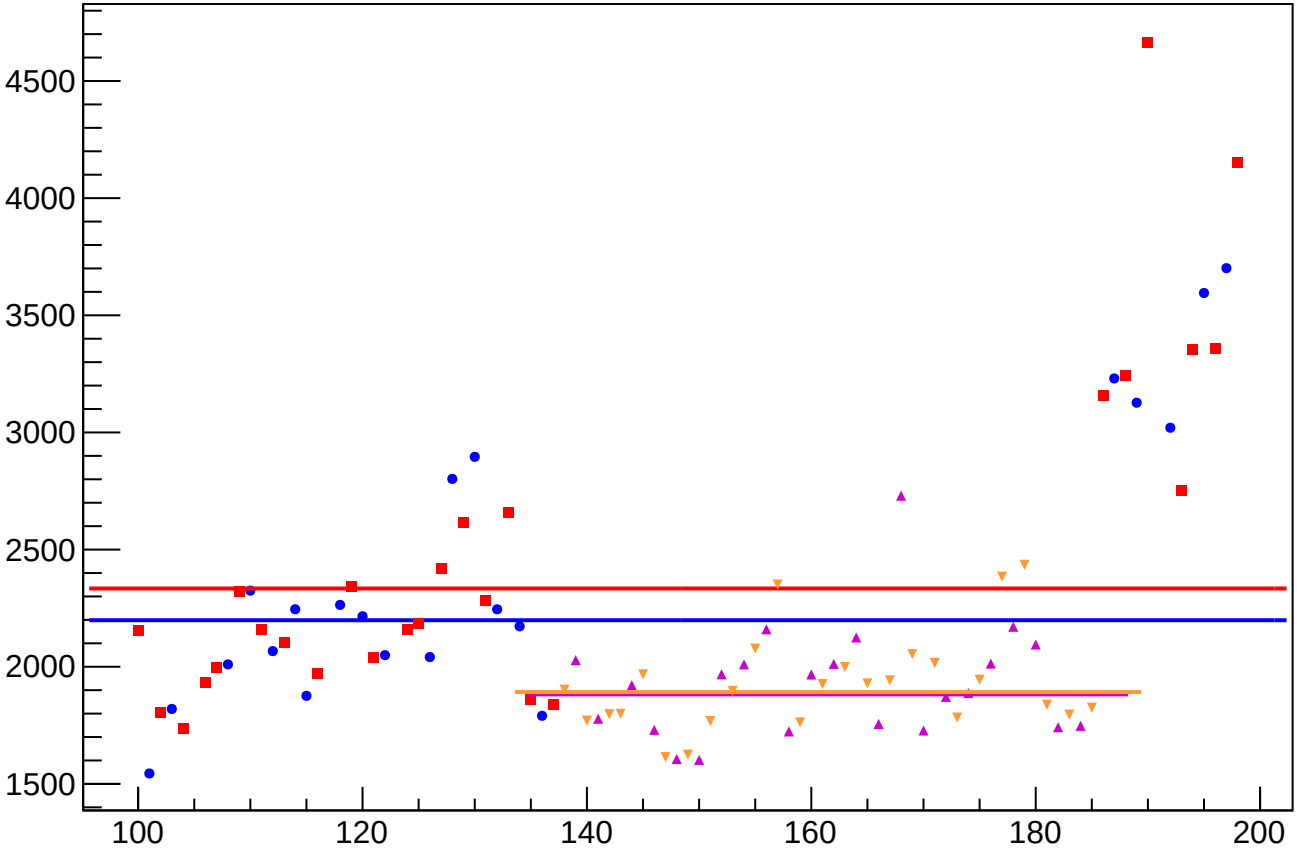
Right: 2841.961+/-487.795 χ^2/NDF: 39.2/46

In: 2402.780+/-374.108 χ^2/NDF:45.4/43

Out: 1981.153+/-365.560 χ^2/NDF:45.1/50

All: 2187.094+/-261.460 χ^2/NDF: 91.2/94

asym_usr_rms vs Slug, Sign Corrected



Right In: 2198.537+/-0.494 χ^2/NDF: 1322755.7/20

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

Right Out: 2333.963+/-0.482 χ^2/NDF: 1496916.6/25

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

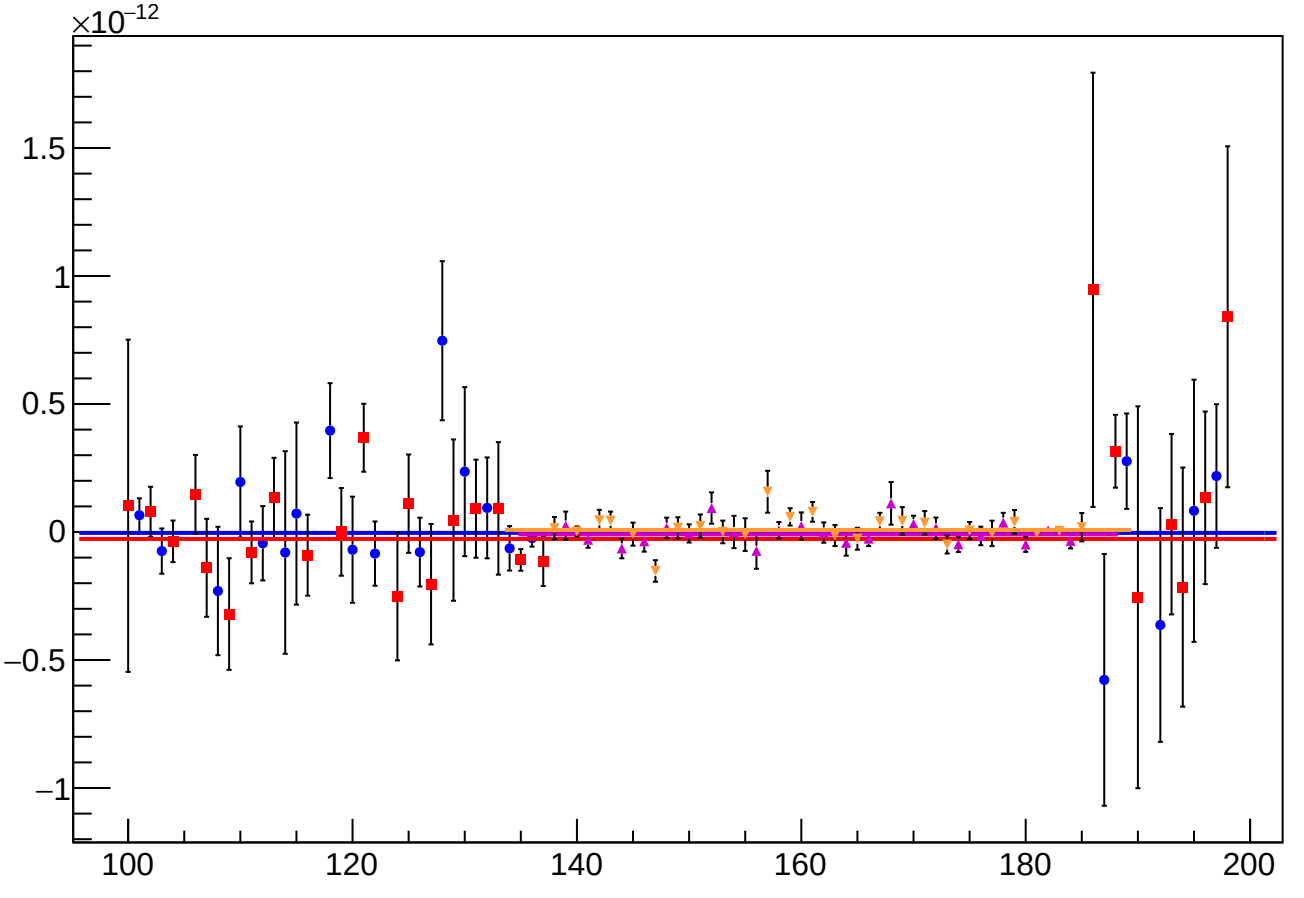
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2267.956+/-0.345 χ^2/NDF: 2858186.9/46

In: 1972.670+/-0.265 χ^2/NDF:2078417.2/43

Out: 2019.318+/-0.258 χ^2/NDF:2485562.5/50

All: 1996.533+/-0.185 χ^2/NDF: 4579887.4/94



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.4/25

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

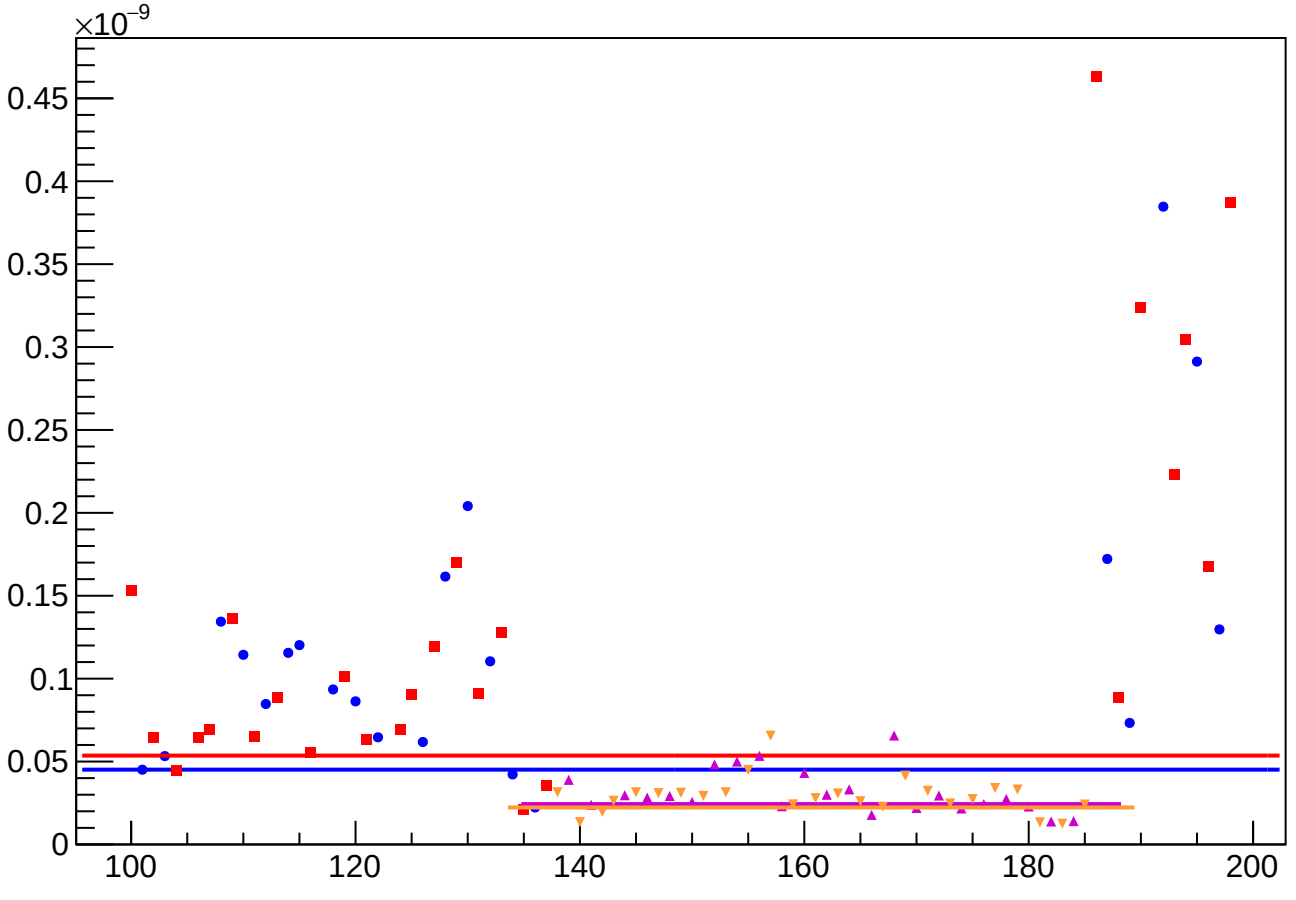
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 53.2/46

In: -0.000+/-0.000 χ^2/NDF:40.5/43

Out: 0.000+/-0.000 χ^2/NDF:65.4/50

All: -0.000+/-0.000 χ^2/NDF: 108.1/94



Right In: 0.000+/-0.000 χ^2/NDF: 4892467.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5300283.9/25

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

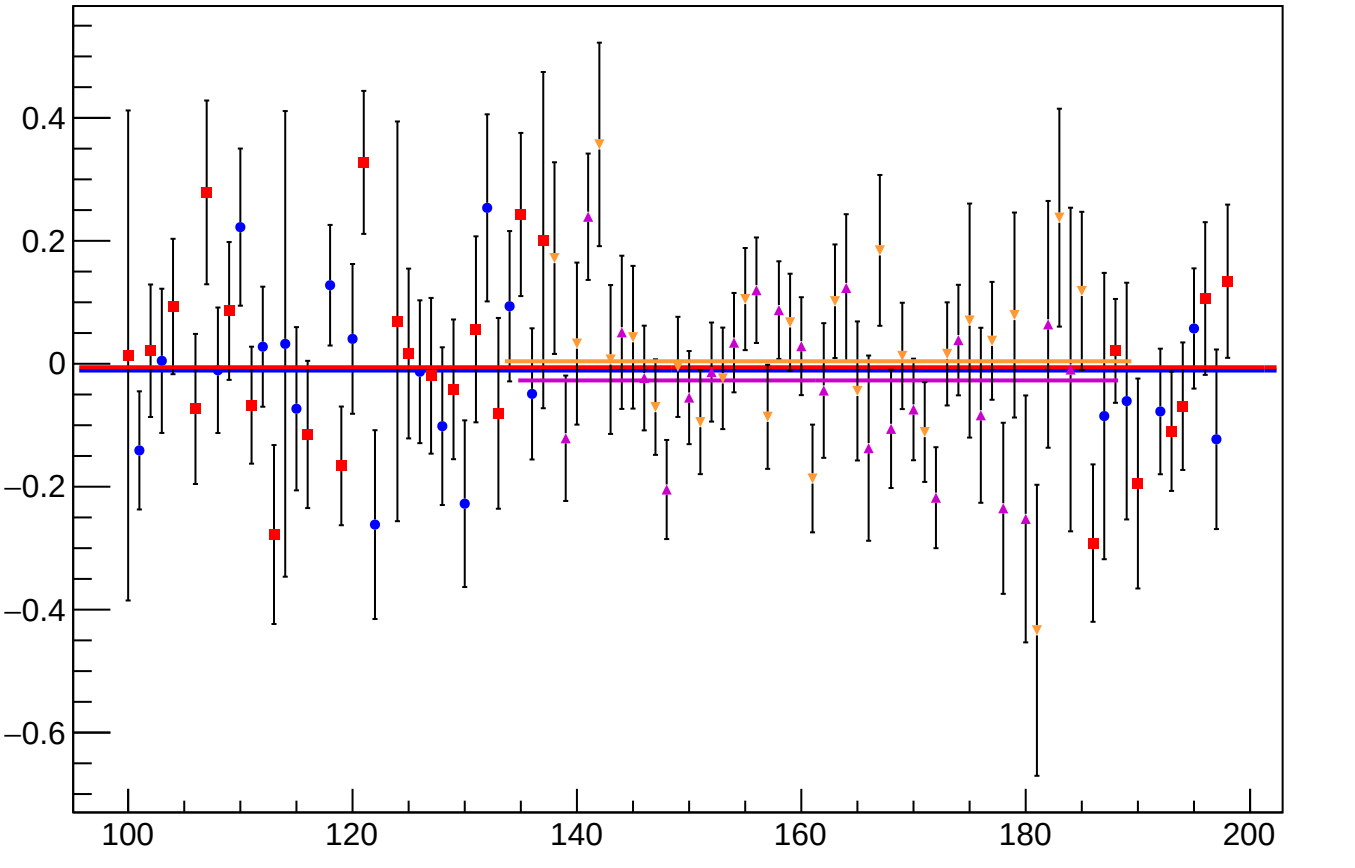
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 10306445.3/46

In: 0.000+/-0.000 χ^2/NDF:9391344.5/43

Out: 0.000+/-0.000 χ^2/NDF:11579238.0/50

All: 0.000+/-0.000 χ^2/NDF: 21045744.2/94



Right In: -0.011+/-0.027 χ^2/NDF: 19.0/20

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.006+/-0.024 χ^2/NDF: 35.8/25

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

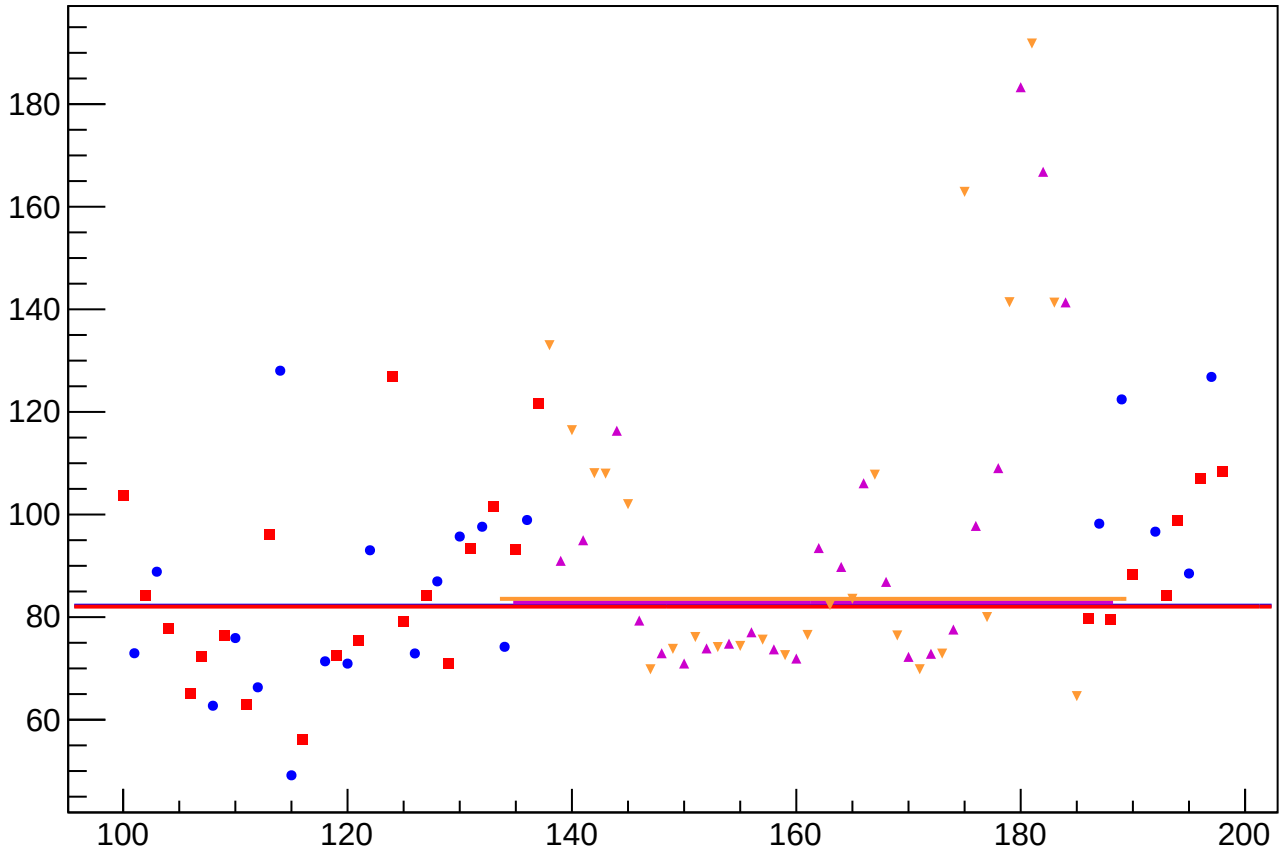
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.008+/-0.018 χ^2/NDF: 54.8/46

In: -0.021+/-0.016 χ^2/NDF:51.2/43

Out: 0.000+/-0.016 χ^2/NDF:64.0/50

All: -0.010+/-0.011 χ^2/NDF: 116.1/94



Right In: 82.232+/-0.019 χ^2/NDF: 805163.2/20

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 82.054+/-0.017 χ^2/NDF: 664634.6/25

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

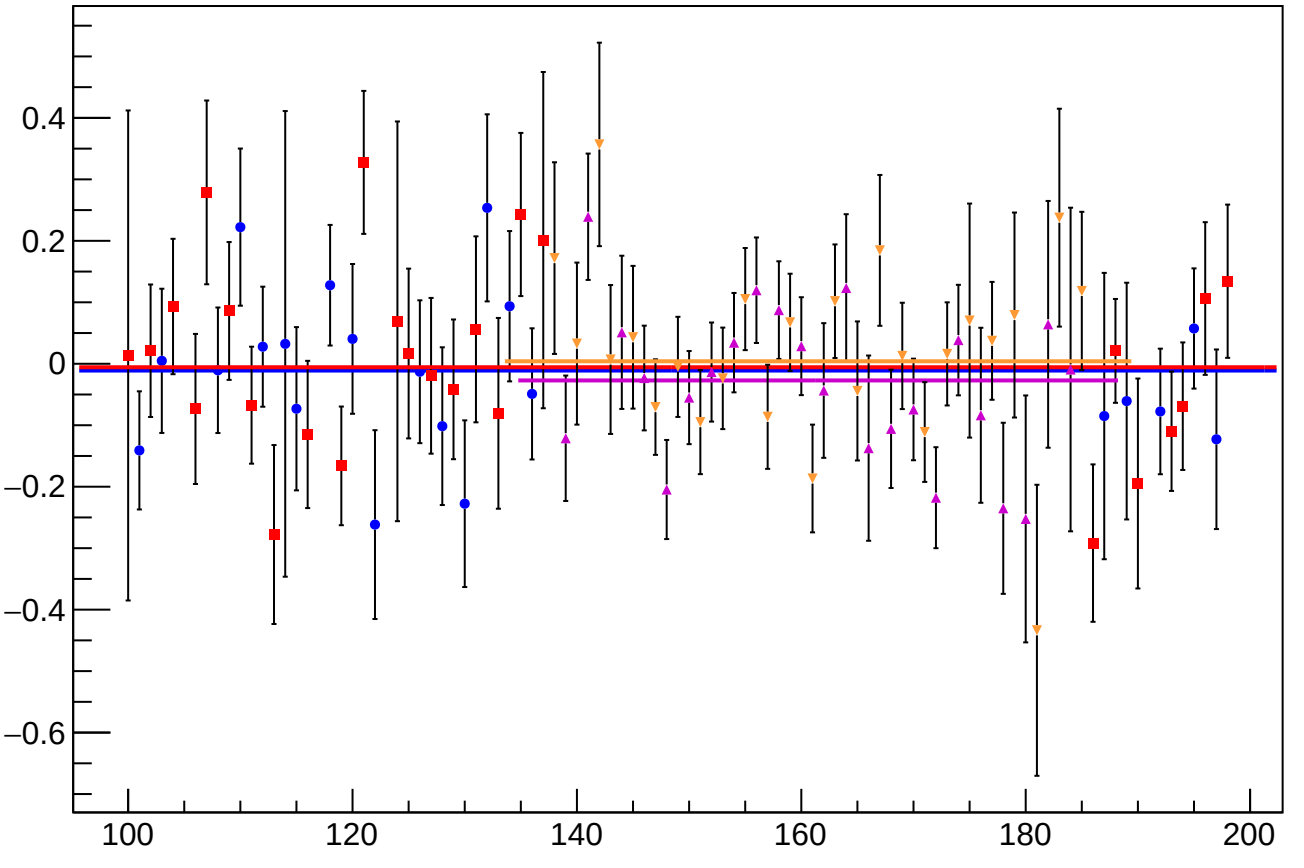
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 82.134+/-0.013 χ^2/NDF: 1469846.1/46

In: 82.646+/-0.012 χ^2/NDF:2378930.4/43

Out: 82.943+/-0.011 χ^2/NDF:2842117.8/50

All: 82.801+/-0.008 χ^2/NDF: 5221396.3/94



Right In: -0.011+/-0.027 χ^2/NDF: 19.0/20

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.006+/-0.024 χ^2/NDF: 35.8/25

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

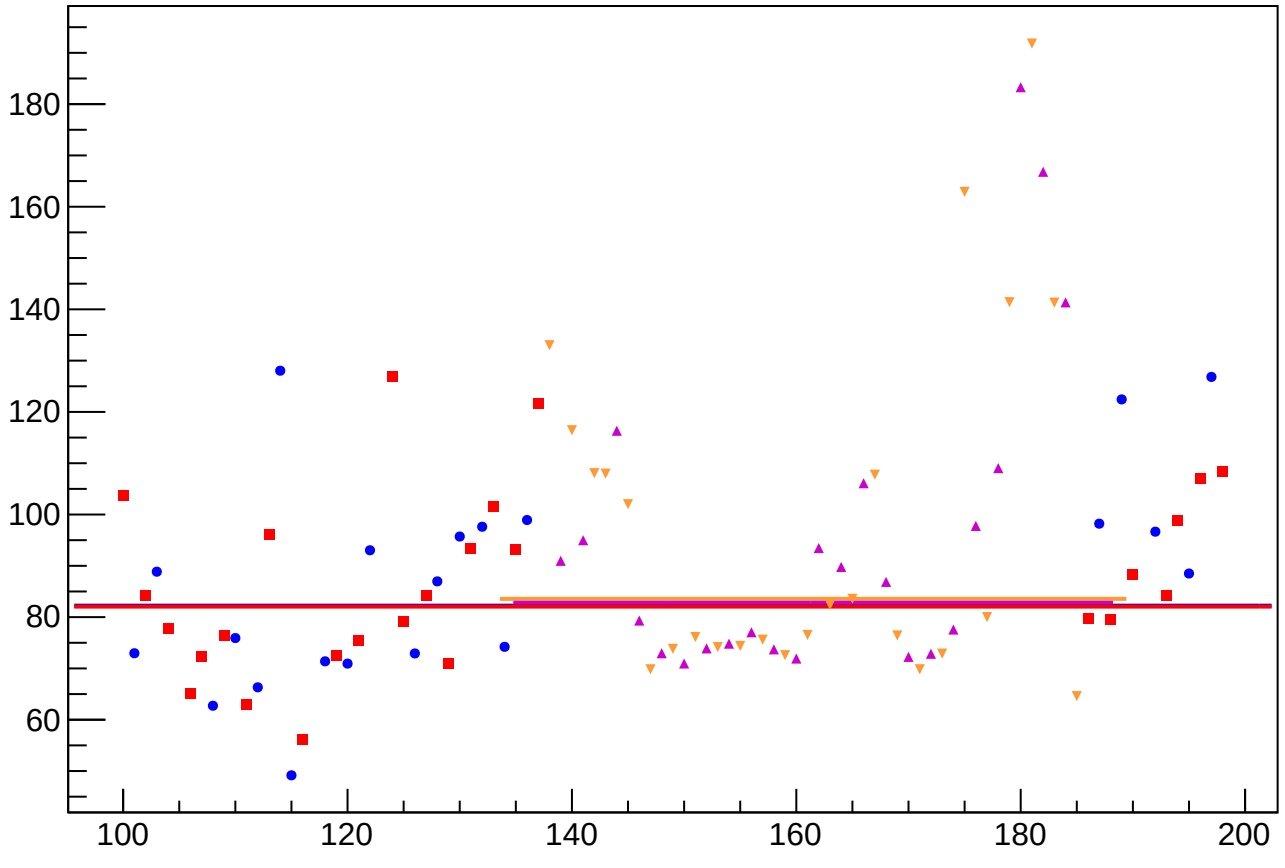
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.008+/-0.018 χ^2/NDF: 54.8/46

In: -0.021+/-0.016 χ^2/NDF:51.2/43

Out: 0.000+/-0.016 χ^2/NDF:64.0/50

All: -0.010+/-0.011 χ^2/NDF: 116.1/94



Right In: 82.232+/-0.019 χ^2/NDF: 805163.2/20

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 82.054+/-0.017 χ^2/NDF: 664634.6/25

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

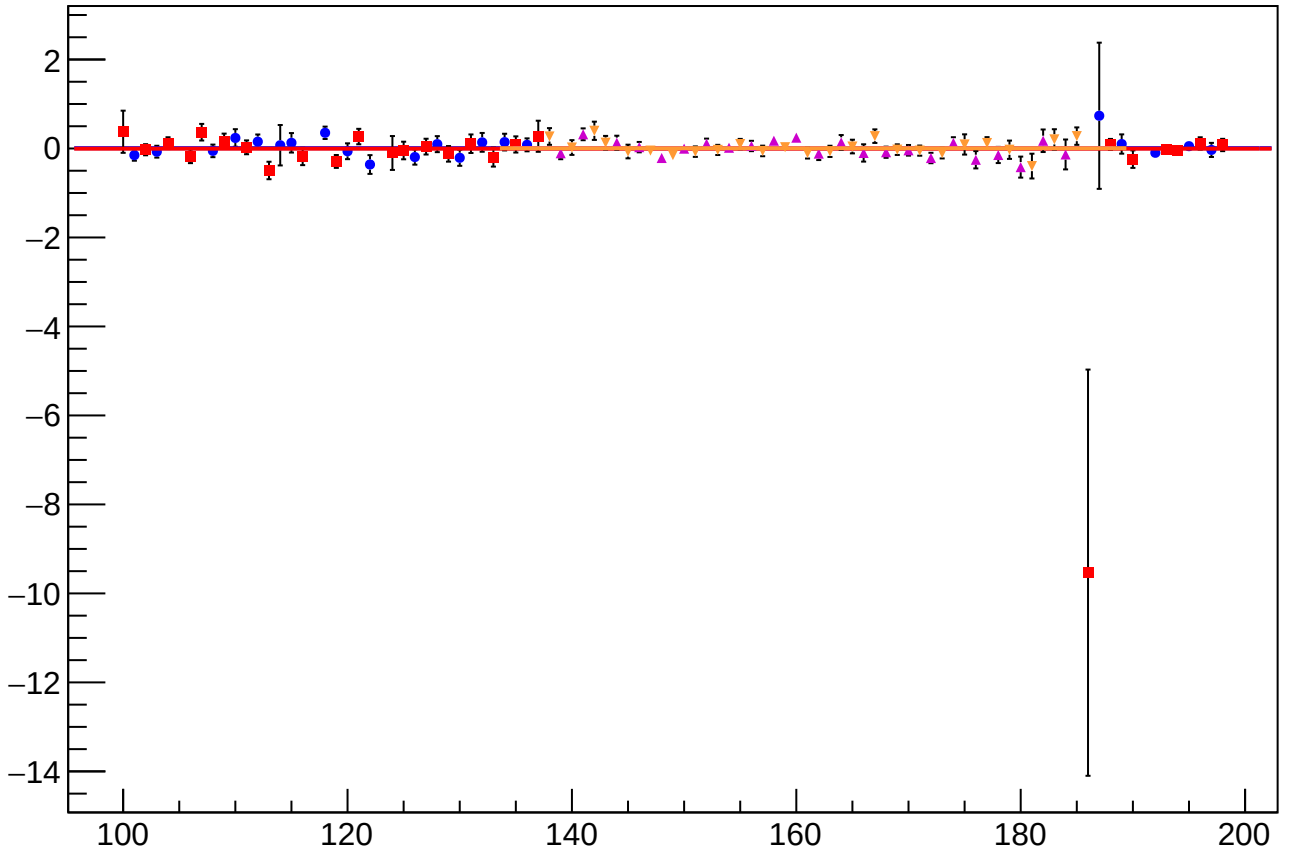
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 82.134+/-0.013 χ^2/NDF: 1469846.1/46

In: 82.646+/-0.012 χ^2/NDF:2378930.4/43

Out: 82.943+/-0.011 χ^2/NDF:2842117.8/50

All: 82.801+/-0.008 χ^2/NDF: 5221396.3/94



Right In: 0.007+/-0.036 χ^2/NDF: 19.7/20

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.004+/-0.032 χ^2/NDF: 31.5/25

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

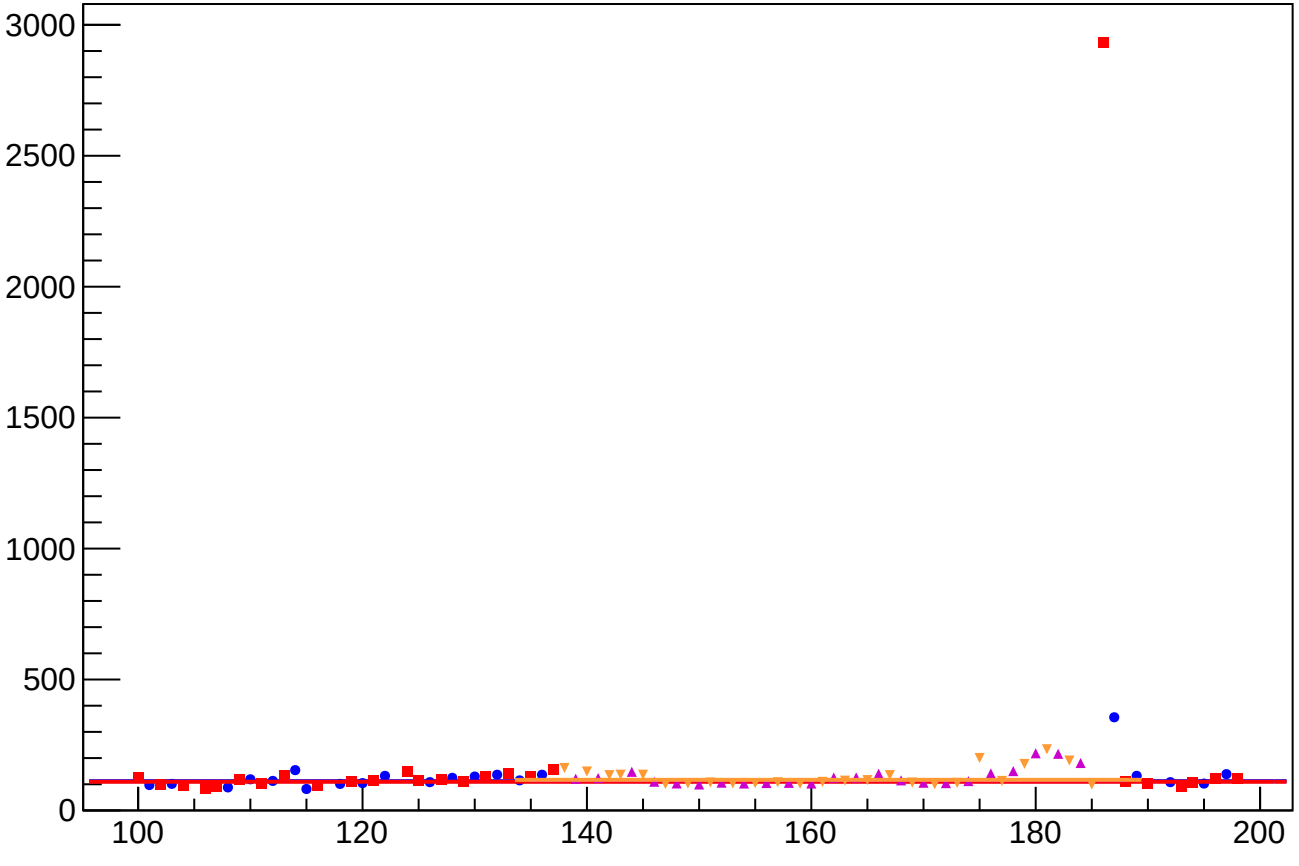
Right: 0.001+/-0.024 χ^2/NDF: 51.2/46

In: 0.009+/-0.022 χ^2/NDF:51.0/43

Out: 0.002+/-0.021 χ^2/NDF:52.8/50

All: 0.005+/-0.015 χ^2/NDF: 103.9/94

asym_usr_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.760+/-0.025 χ^2/NDF: 435904.2/20

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 109.672+/-0.023 χ^2/NDF: 1170638.4/25

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

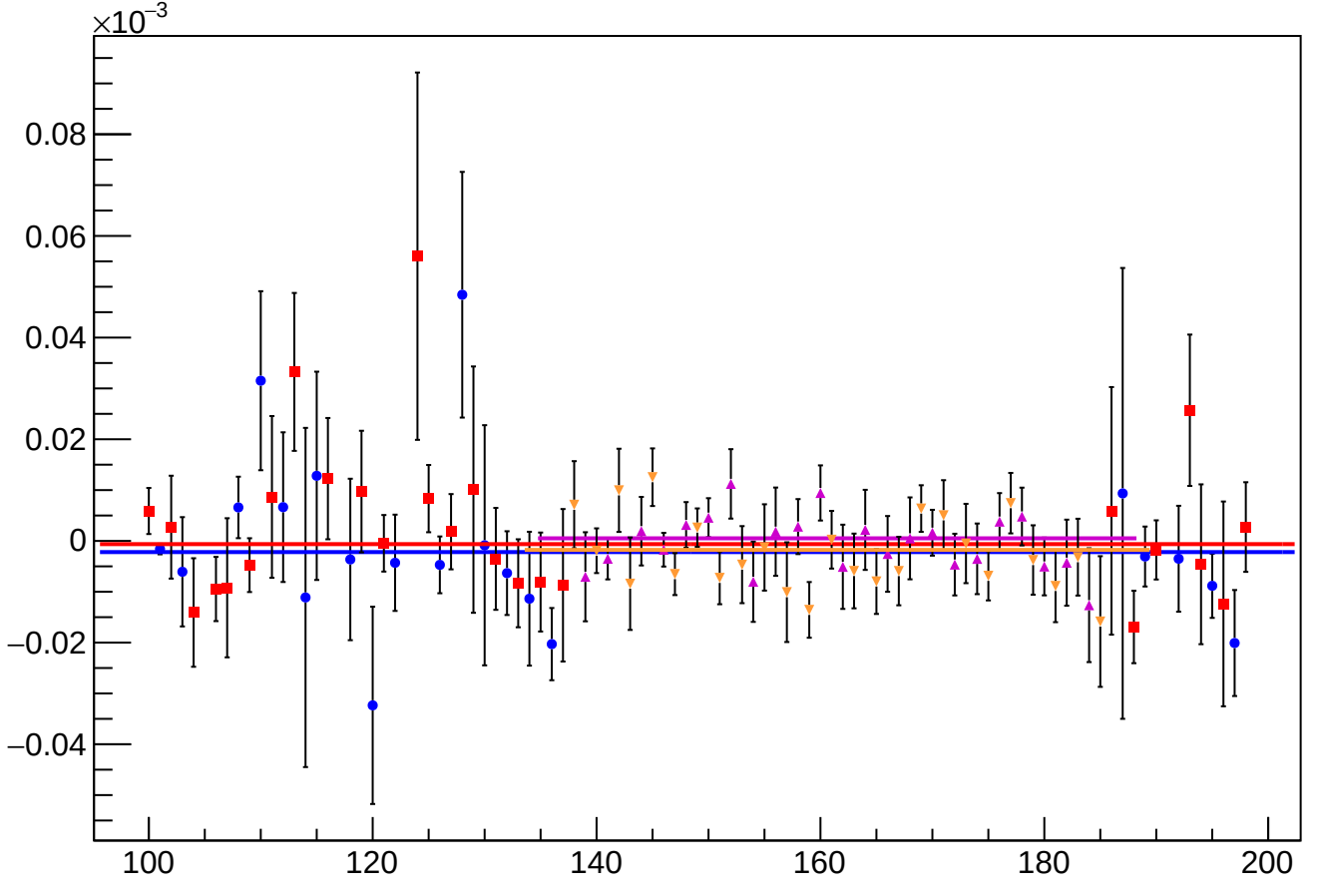
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 110.613+/-0.017 χ^2/NDF: 1610269.3/46

In: 114.293+/-0.016 χ^2/NDF:1683449.8/43

Out: 113.836+/-0.015 χ^2/NDF:2824506.5/50

All: 114.054+/-0.011 χ^2/NDF: 4508403.9/94



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.1/25

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

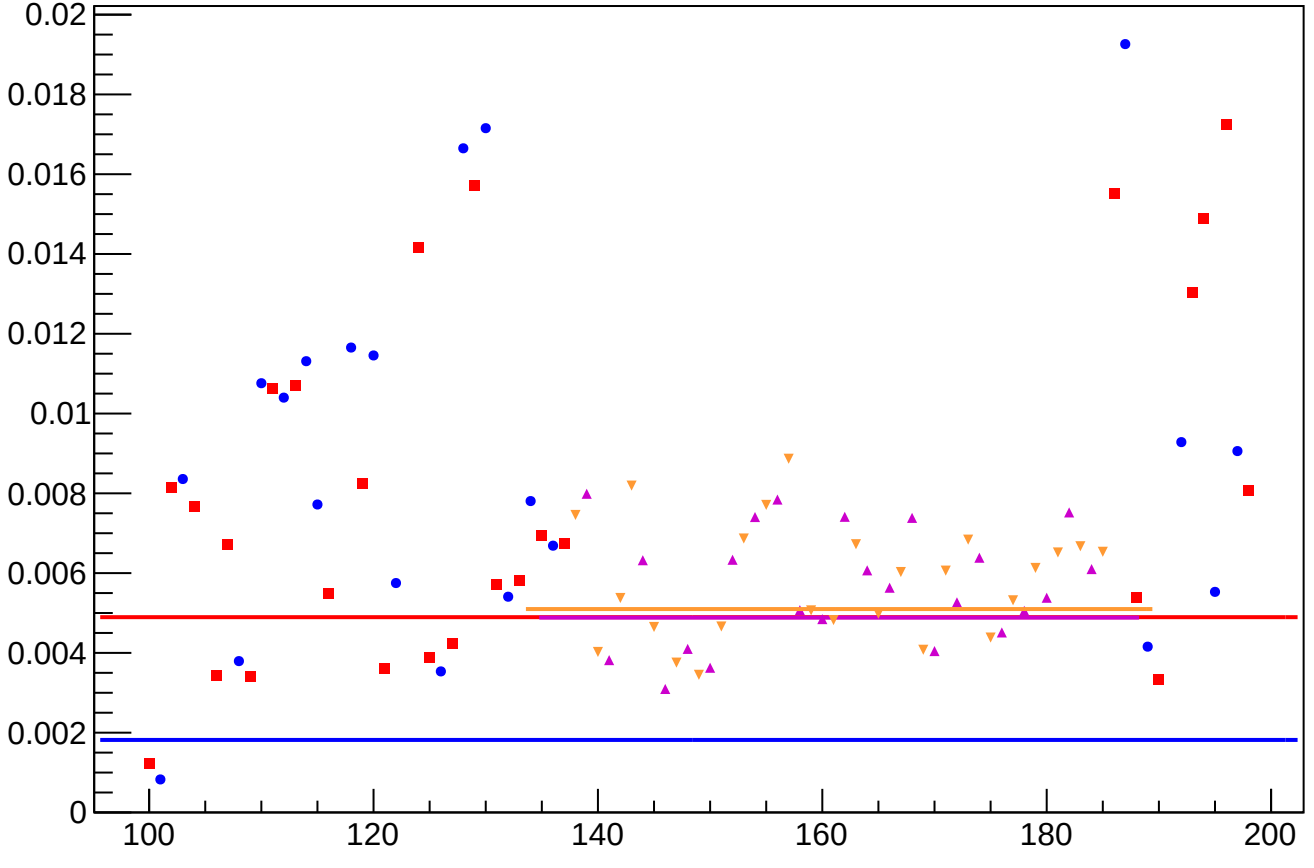
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 55.4/46

In: -0.000+/-0.000 χ^2/NDF:44.4/43

Out: -0.000+/-0.000 χ^2/NDF:60.5/50

All: -0.000+/-0.000 χ^2/NDF: 104.9/94



Right In: 0.002+/-0.000 χ^2/NDF: 12706698.0/20

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 6462801.5/25

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

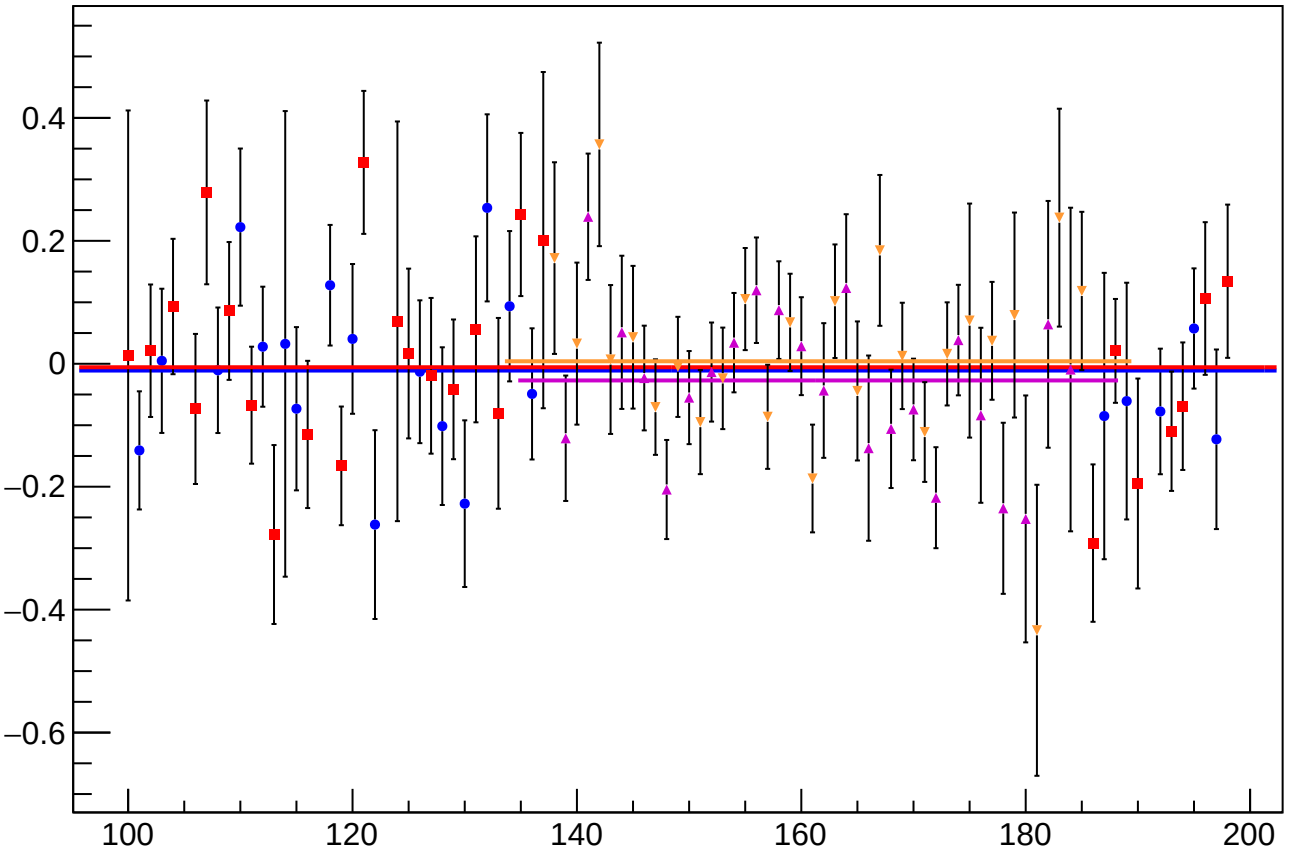
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.003+/-0.000 χ^2/NDF: 24168431.1/46

In: 0.003+/-0.000 χ^2/NDF:23560761.5/43

Out: 0.005+/-0.000 χ^2/NDF:8860387.8/50

All: 0.004+/-0.000 χ^2/NDF: 37885930.1/94



Right In: -0.011+/-0.027 χ^2/NDF: 19.0/20

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.006+/-0.024 χ^2/NDF: 35.8/25

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

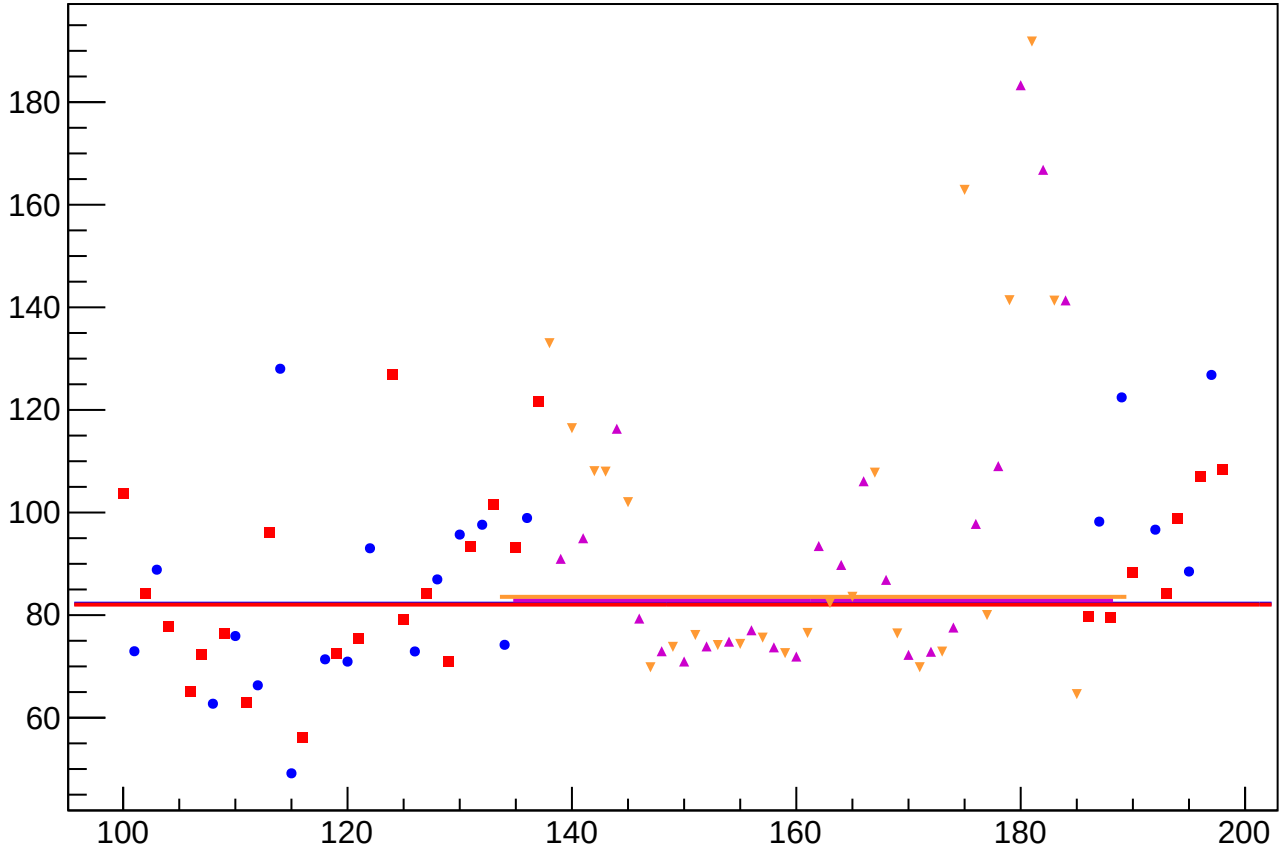
Right: -0.008+/-0.018 χ^2/NDF: 54.8/46

In: -0.021+/-0.016 χ^2/NDF:51.2/43

Out: 0.000+/-0.016 χ^2/NDF:64.0/50

All: -0.010+/-0.011 χ^2/NDF: 116.1/94

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 82.230+/-0.019 χ^2/NDF: 805179.8/20

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 82.053+/-0.017 χ^2/NDF: 664649.0/25

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

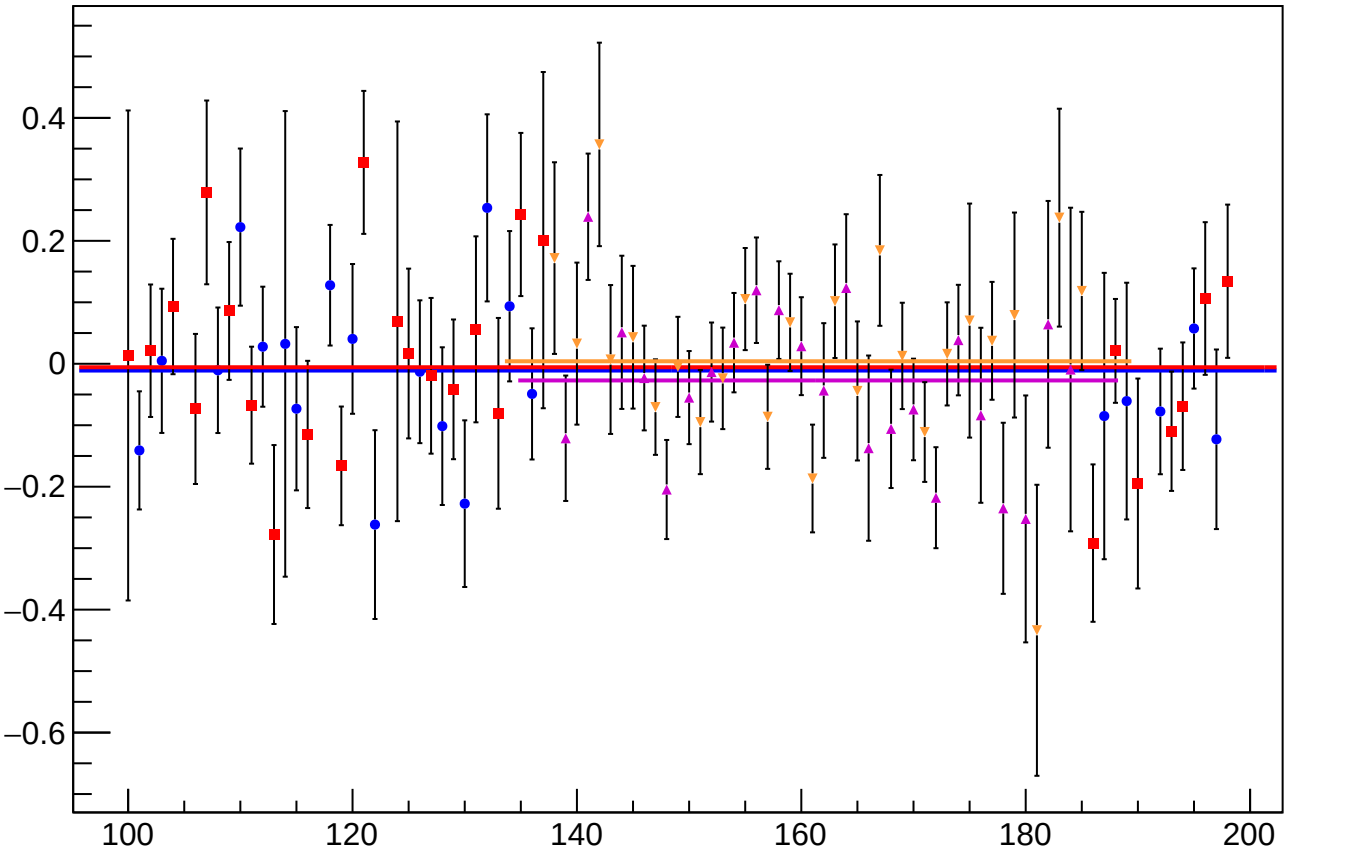
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 82.133+/-0.013 χ^2/NDF: 1469877.0/46

In: 82.645+/-0.012 χ^2/NDF:2378929.5/43

Out: 82.943+/-0.011 χ^2/NDF:2842134.1/50

All: 82.801+/-0.008 χ^2/NDF: 5221411.8/94



Right In: -0.011+/-0.027 χ^2/NDF: 19.0/20

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.006+/-0.024 χ^2/NDF: 35.8/25

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

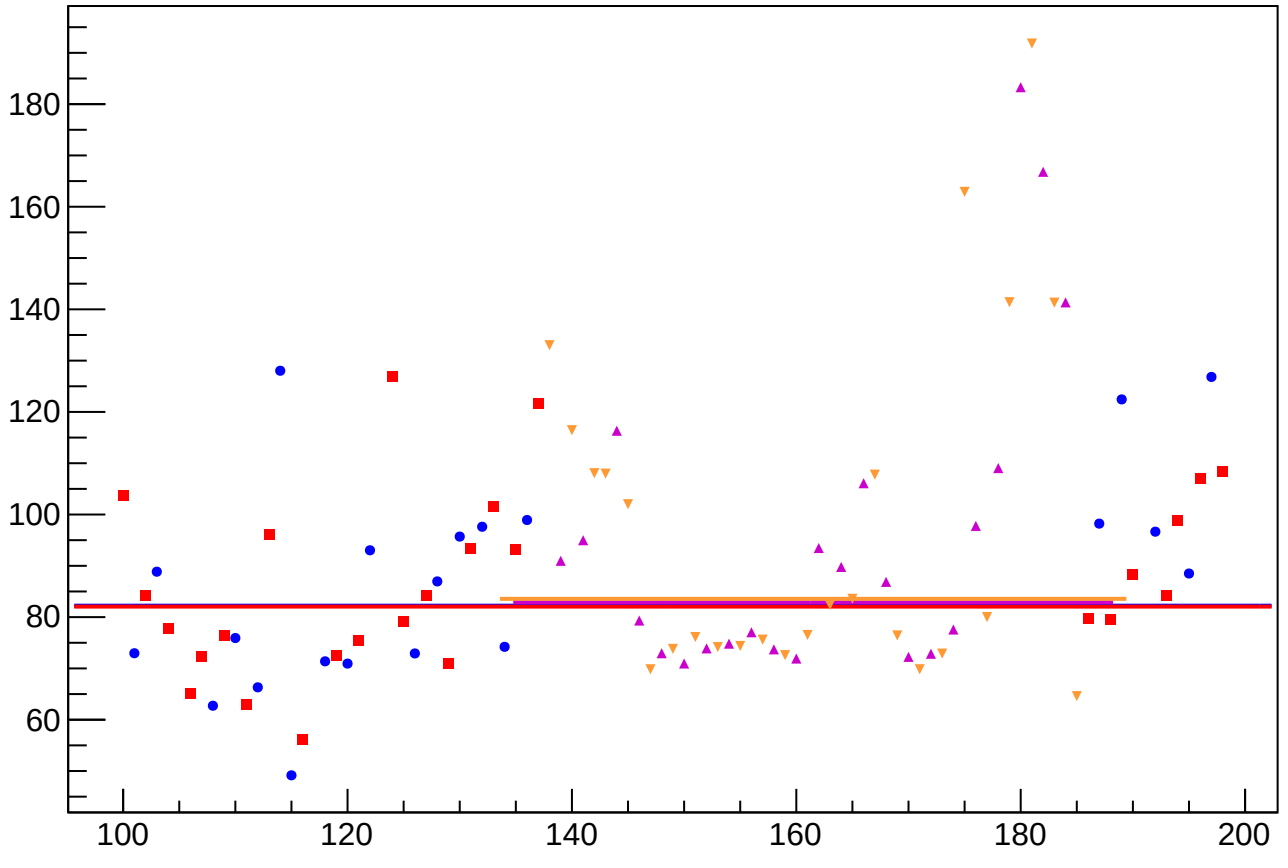
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.008+/-0.018 χ^2/NDF: 54.8/46

In: -0.021+/-0.016 χ^2/NDF:51.2/43

Out: 0.000+/-0.016 χ^2/NDF:64.0/50

All: -0.010+/-0.011 χ^2/NDF: 116.1/94



Right In: 82.230+/-0.019 χ^2/NDF: 805179.8/20

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 82.053+/-0.017 χ^2/NDF: 664649.0/25

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

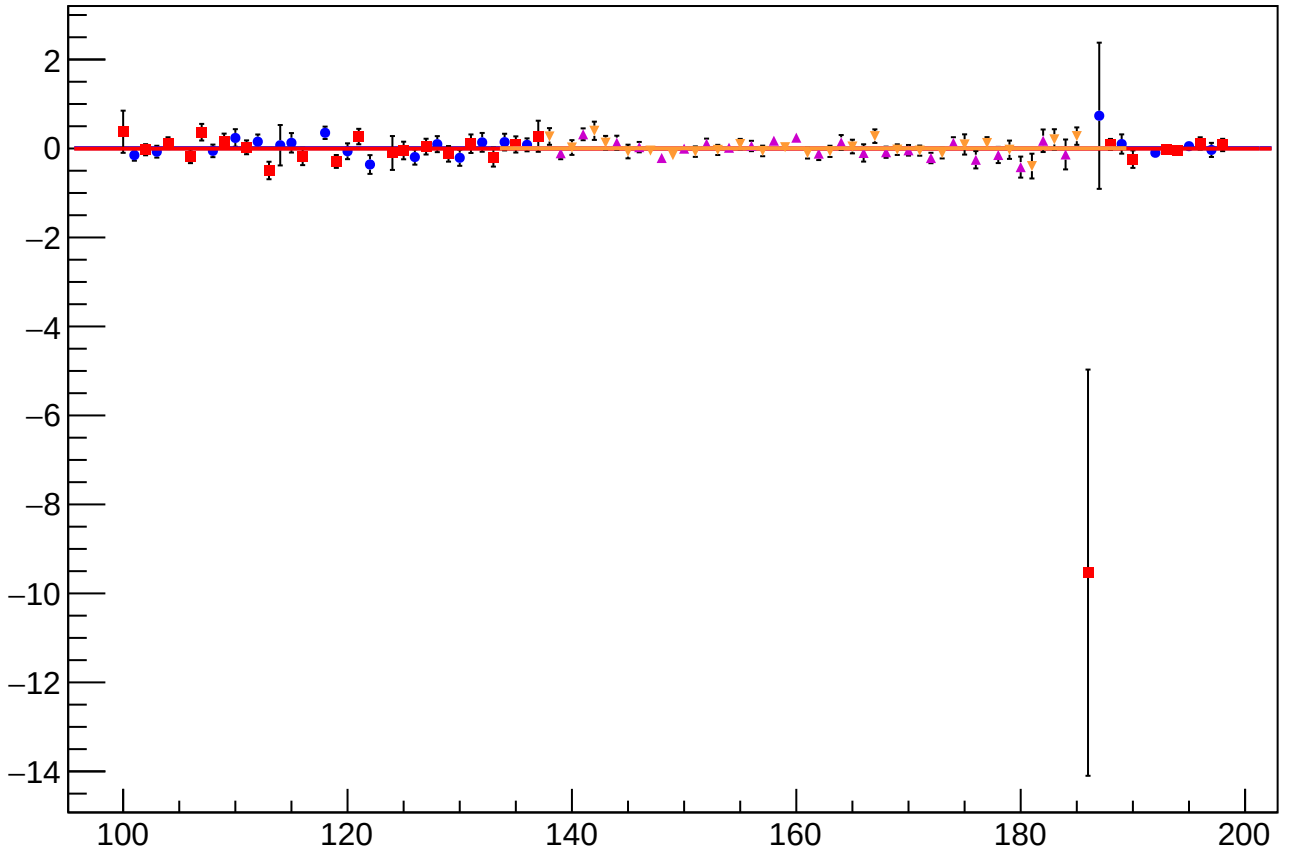
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 82.133+/-0.013 χ^2/NDF: 1469877.0/46

In: 82.645+/-0.012 χ^2/NDF:2378929.5/43

Out: 82.943+/-0.011 χ^2/NDF:2842134.1/50

All: 82.801+/-0.008 χ^2/NDF: 5221411.8/94



Right In: 0.007+/-0.036 χ^2/NDF: 19.7/20

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.004+/-0.032 χ^2/NDF: 31.5/25

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

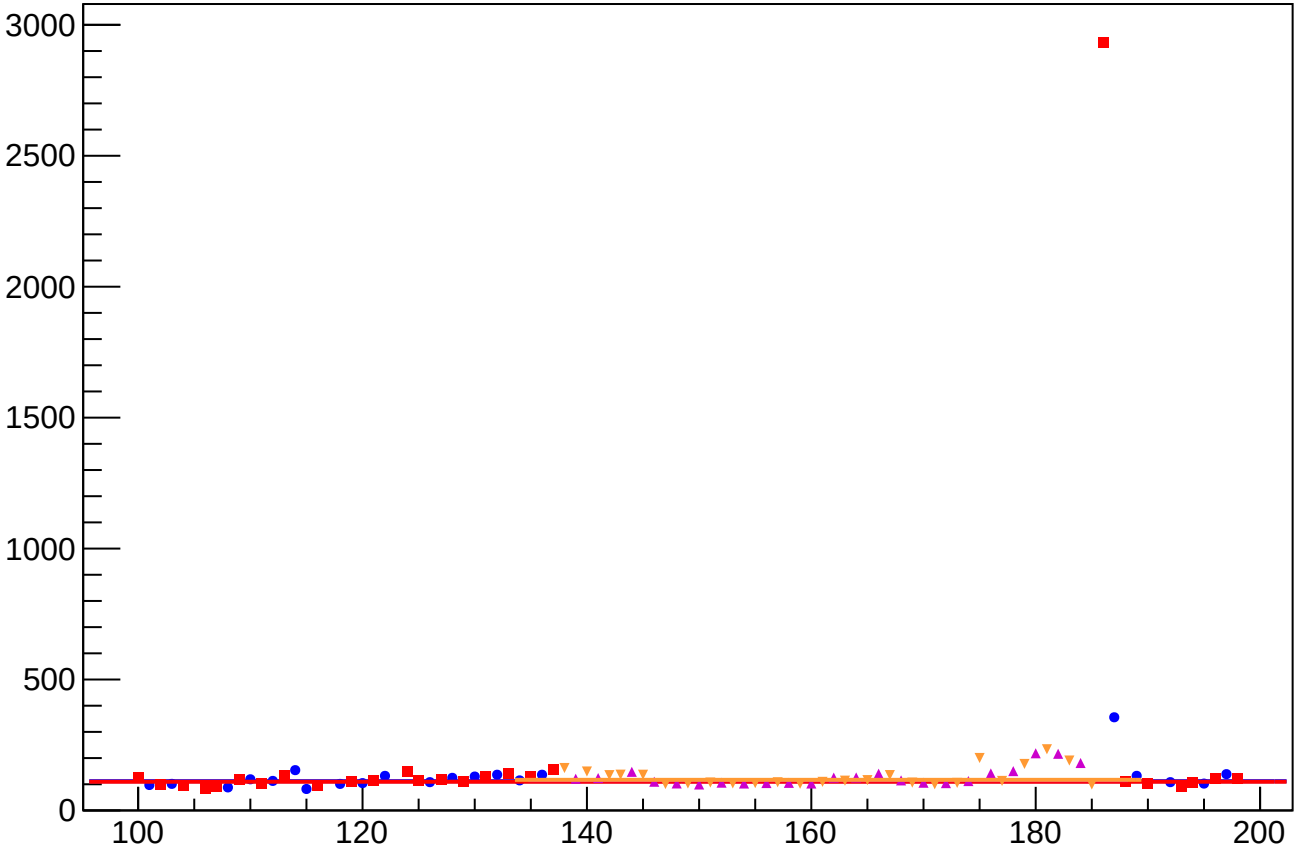
Right: 0.001+/-0.024 χ^2/NDF: 51.2/46

In: 0.009+/-0.022 χ^2/NDF:51.0/43

Out: 0.002+/-0.021 χ^2/NDF:52.8/50

All: 0.005+/-0.015 χ^2/NDF: 103.9/94

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.759+/-0.025 χ^2/NDF: 435881.9/20

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 109.672+/-0.023 χ^2/NDF: 1170612.0/25

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

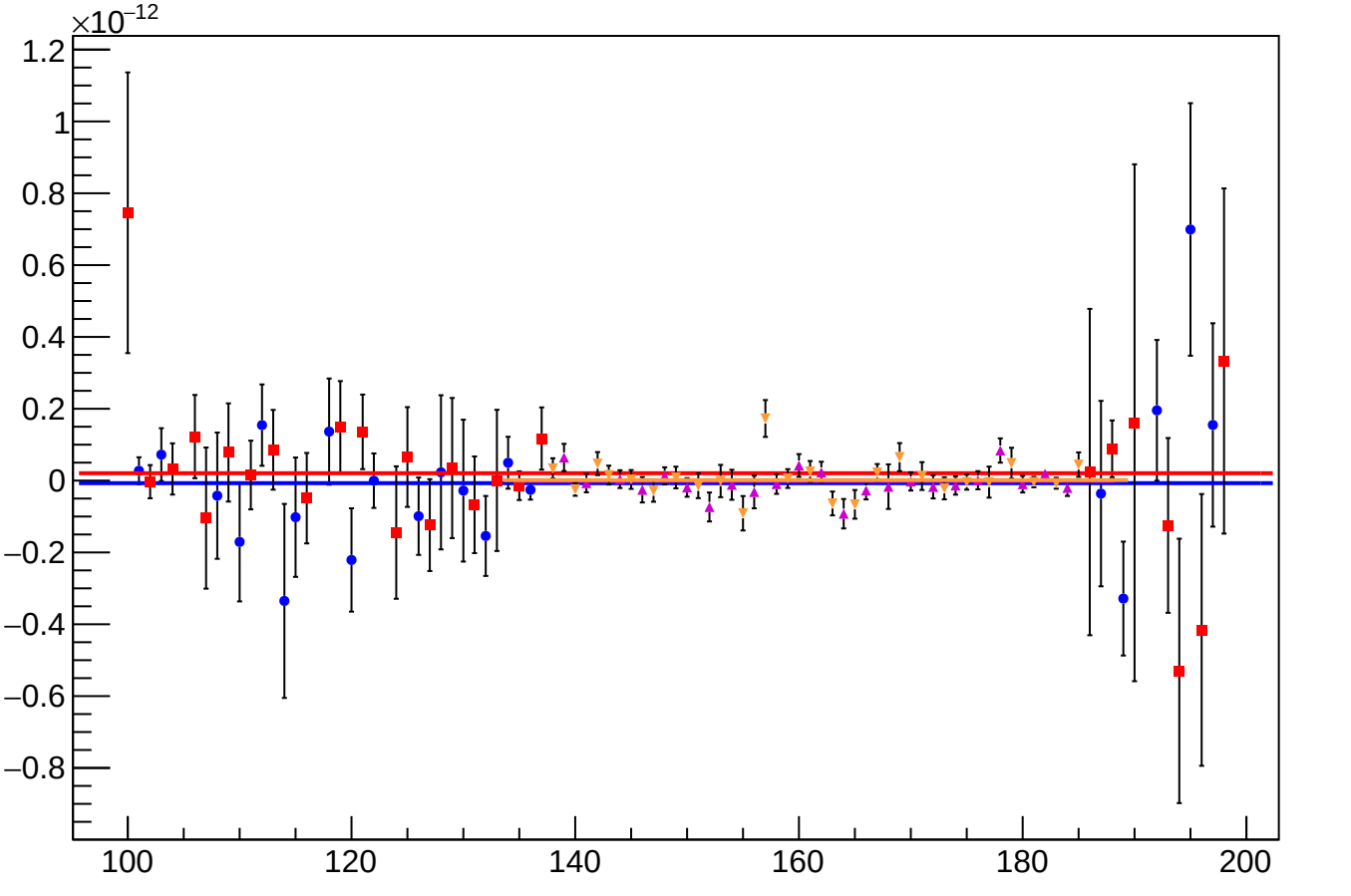
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

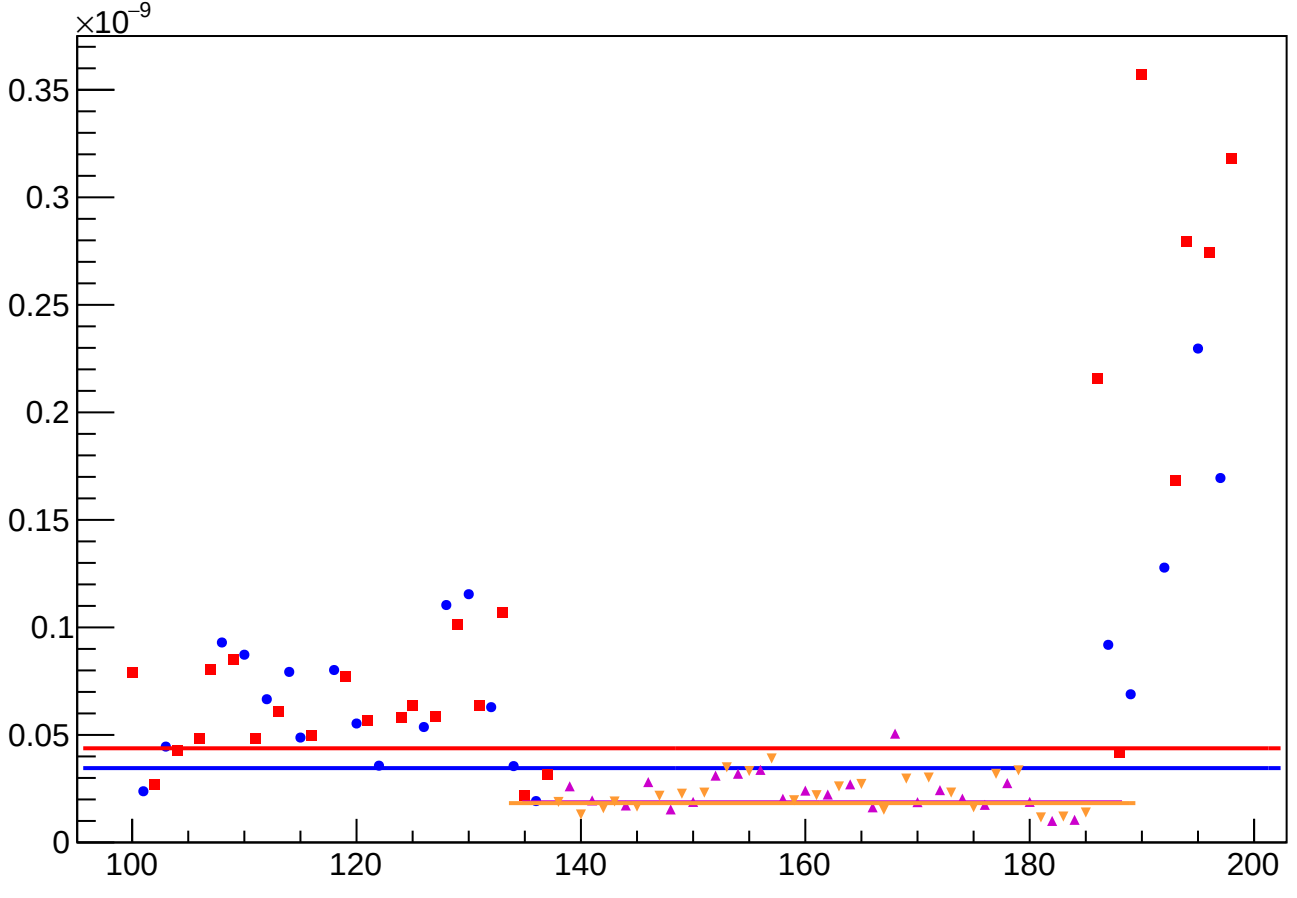
Right: 110.612+/-0.017 χ^2/NDF: 1610219.1/46

In: 114.293+/-0.016 χ^2/NDF:1683428.3/43

Out: 113.836+/-0.015 χ^2/NDF:2824491.5/50

All: 114.053+/-0.011 χ^2/NDF: 4508367.1/94


asym_usr_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 23.2/20
Left Out: 0.000+/-0.000 χ²/NDF:36.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 17.7/25
Left In: -0.000+/-0.000 χ²/NDF:26.7/22
Left: 0.000+/-0.000 χ²/NDF: 63.4/47
Right: 0.000+/-0.000 χ²/NDF: 42.0/46
In: -0.000+/-0.000 χ²/NDF:50.0/43
Out: 0.000+/-0.000 χ²/NDF:55.2/50
All: 0.000+/-0.000 χ²/NDF: 105.5/94



Right In: 0.000+/-0.000 χ^2/NDF: 4214675.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5328127.1/25

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

Left: 0.000+/-0.000 χ^2/NDF: 5943205.7/47

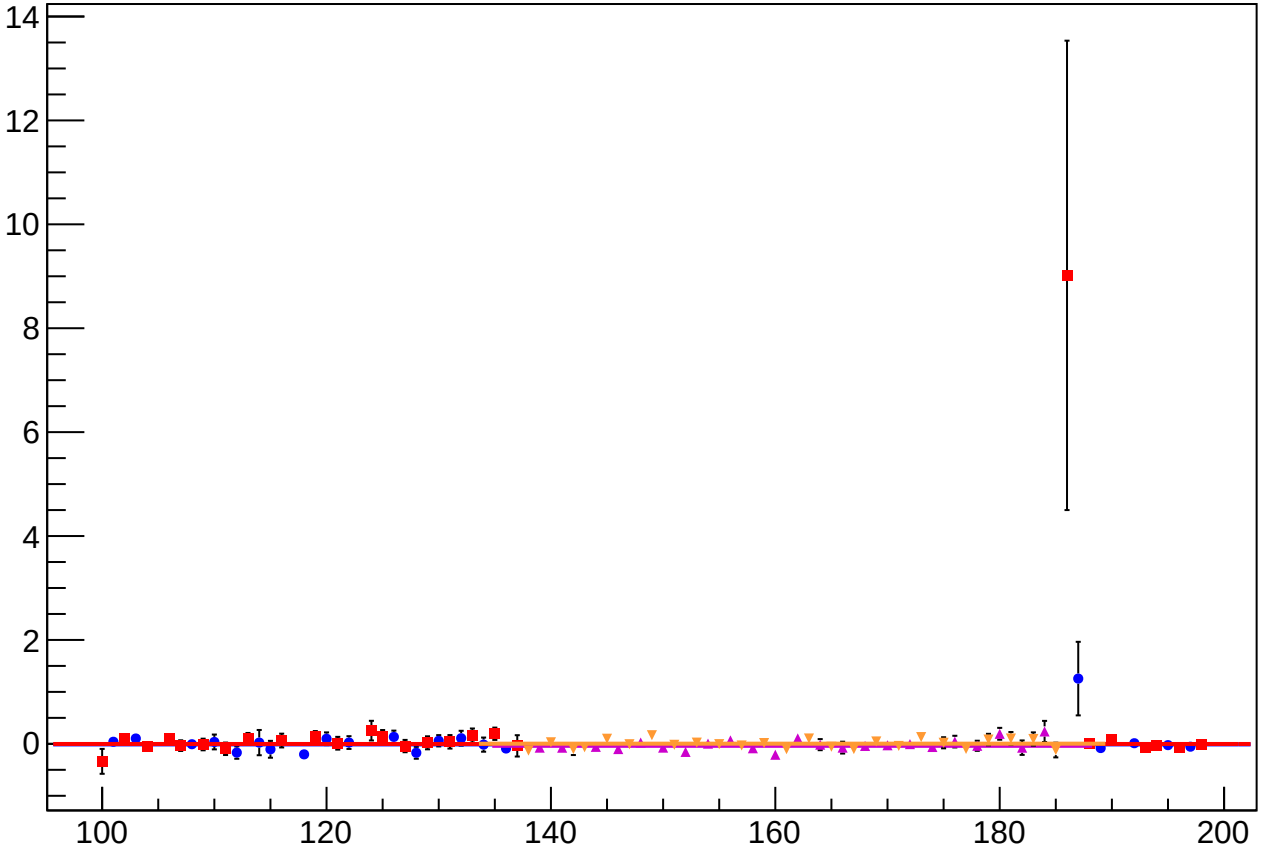
Right: 0.000+/-0.000 χ^2/NDF: 9778895.9/46

In: 0.000+/-0.000 χ^2/NDF:8595728.8/43

Out: 0.000+/-0.000 χ^2/NDF:11322490.8/50

All: 0.000+/-0.000 χ^2/NDF: 19919166.6/94

asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.018 χ^2/NDF: 22.6/20

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.002+/-0.015 χ^2/NDF: 32.9/25

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

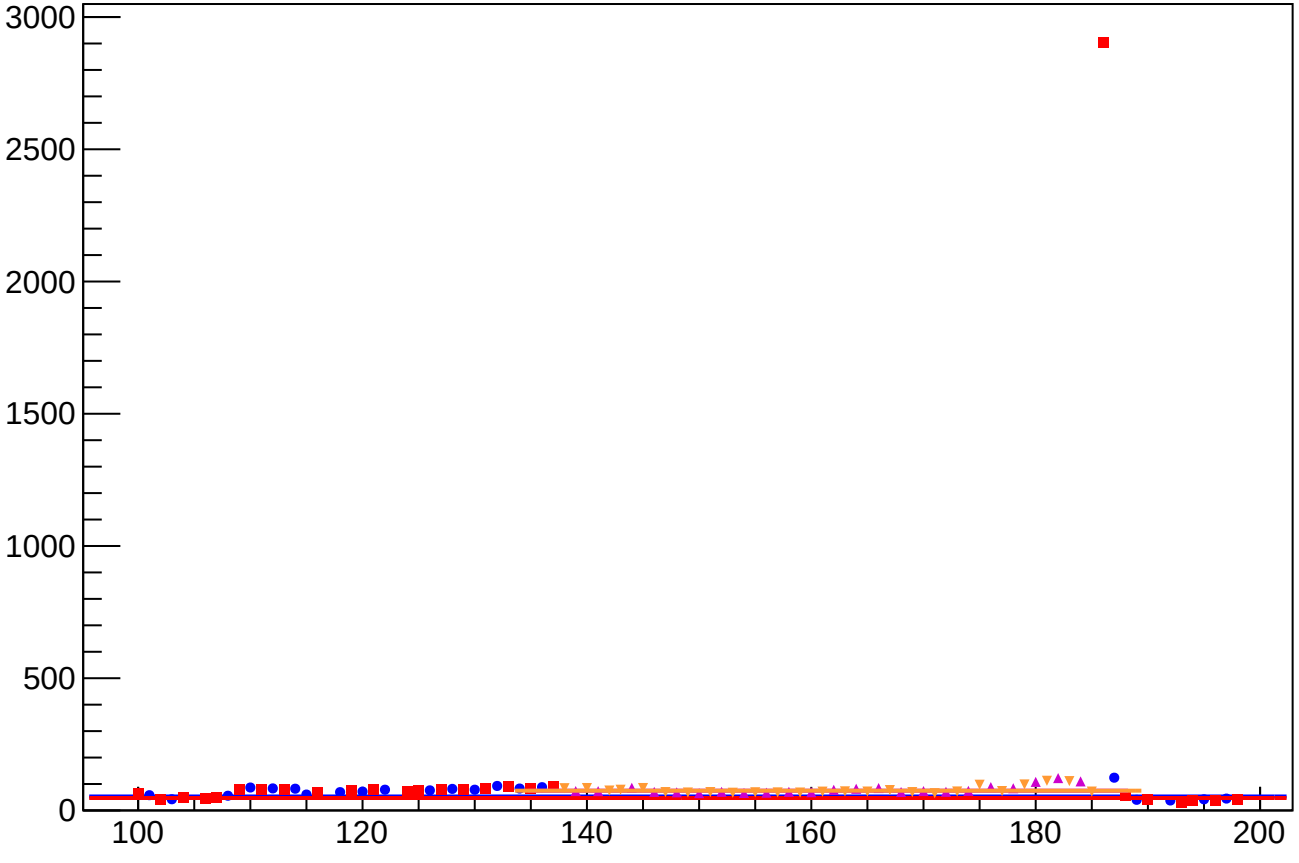
Right: -0.006+/-0.011 χ^2/NDF: 55.6/46

In: -0.024+/-0.013 χ^2/NDF:45.4/43

Out: -0.000+/-0.011 χ^2/NDF:54.4/50

All: -0.011+/-0.008 χ^2/NDF: 101.9/94

asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.818+/-0.012 χ^2/NDF: 1940454.5/20

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 47.104+/-0.011 χ^2/NDF: 3507255.4/25

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

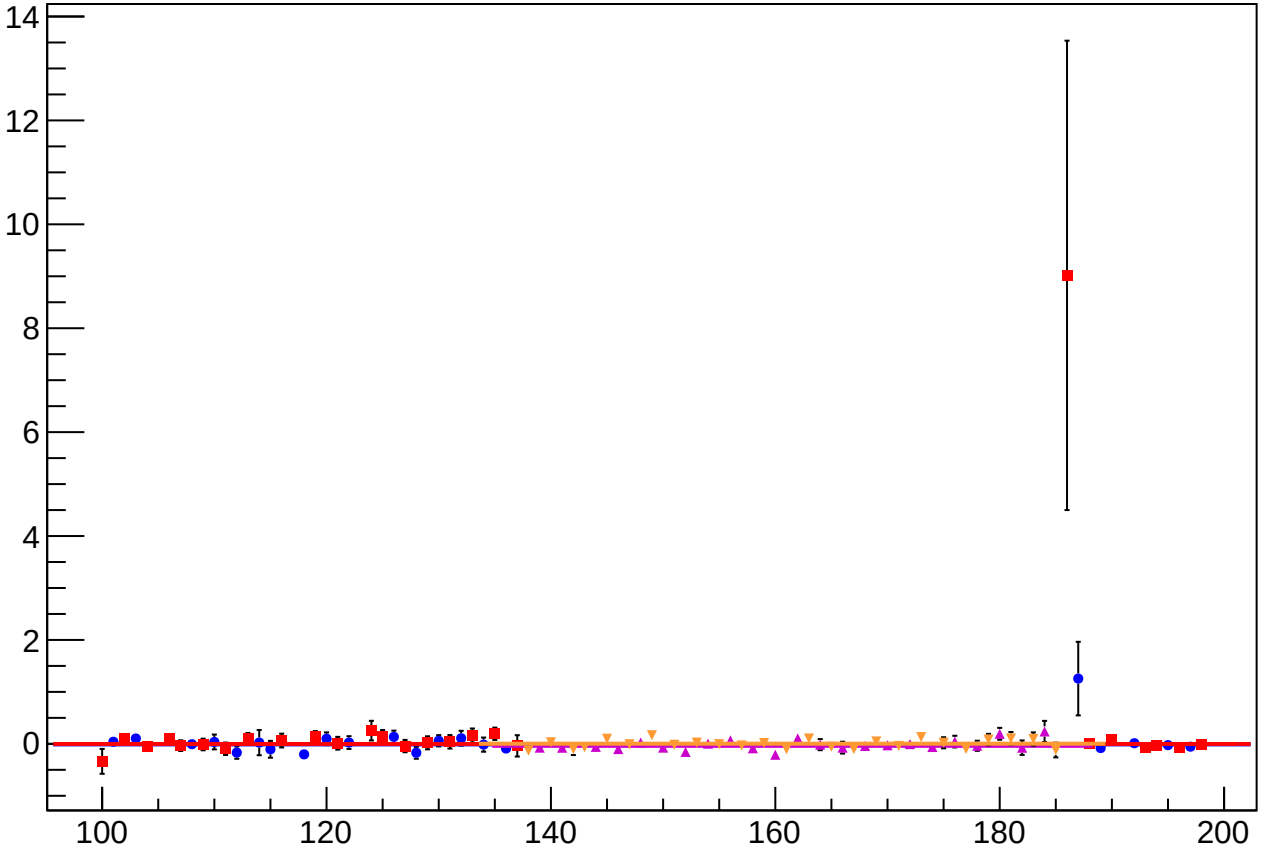
Right: 49.492+/-0.008 χ^2/NDF: 5570948.8/46

In: 63.517+/-0.009 χ^2/NDF:4165292.9/43

Out: 58.763+/-0.008 χ^2/NDF:7162324.7/50

All: 60.899+/-0.006 χ^2/NDF: 11486239.5/94

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.018 χ^2/NDF: 22.6/20

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.002+/-0.015 χ^2/NDF: 32.9/25

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

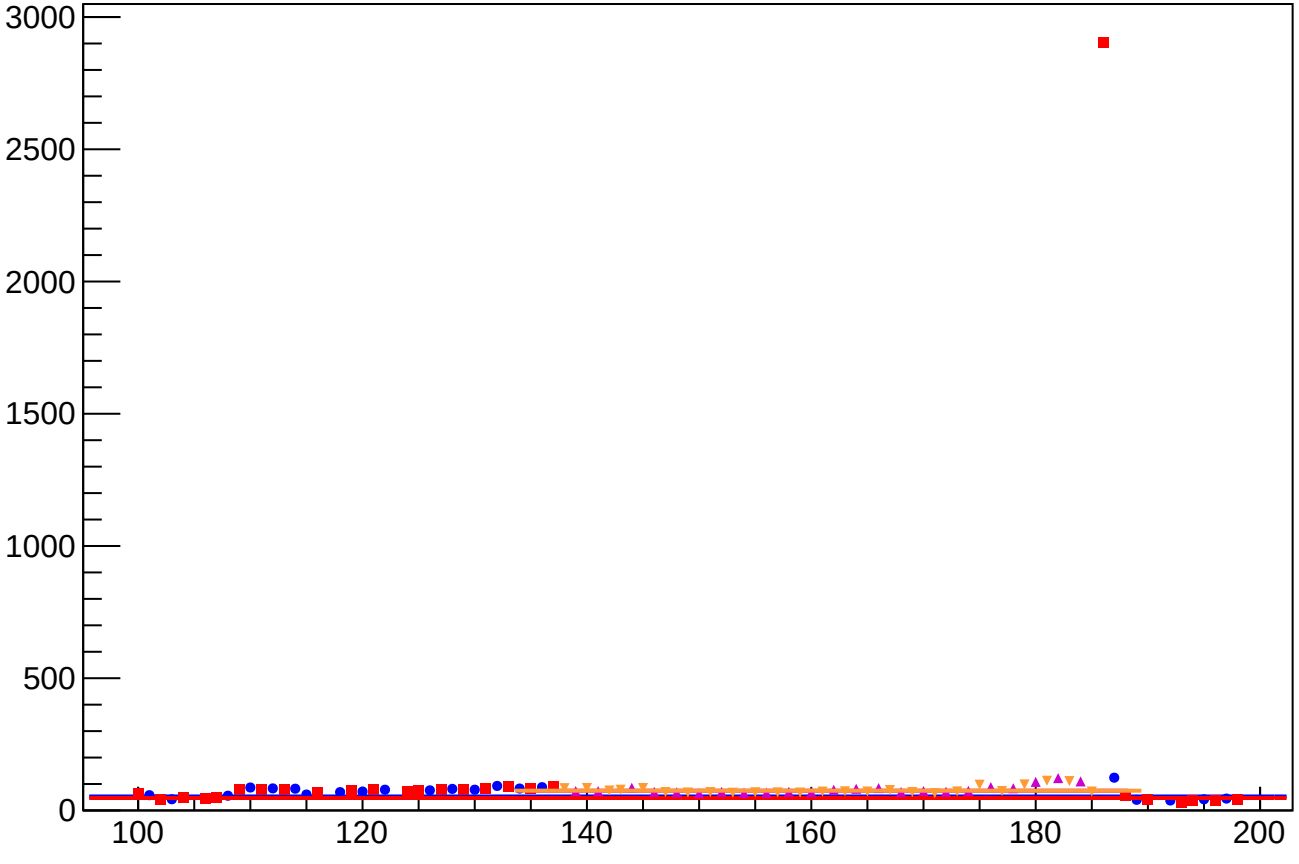
Right: -0.006+/-0.011 χ^2/NDF: 55.6/46

In: -0.024+/-0.013 χ^2/NDF:45.4/43

Out: -0.000+/-0.011 χ^2/NDF:54.4/50

All: -0.011+/-0.008 χ^2/NDF: 101.9/94

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.818+/-0.012 χ^2/NDF: 1940454.5/20

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 47.104+/-0.011 χ^2/NDF: 3507255.4/25

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

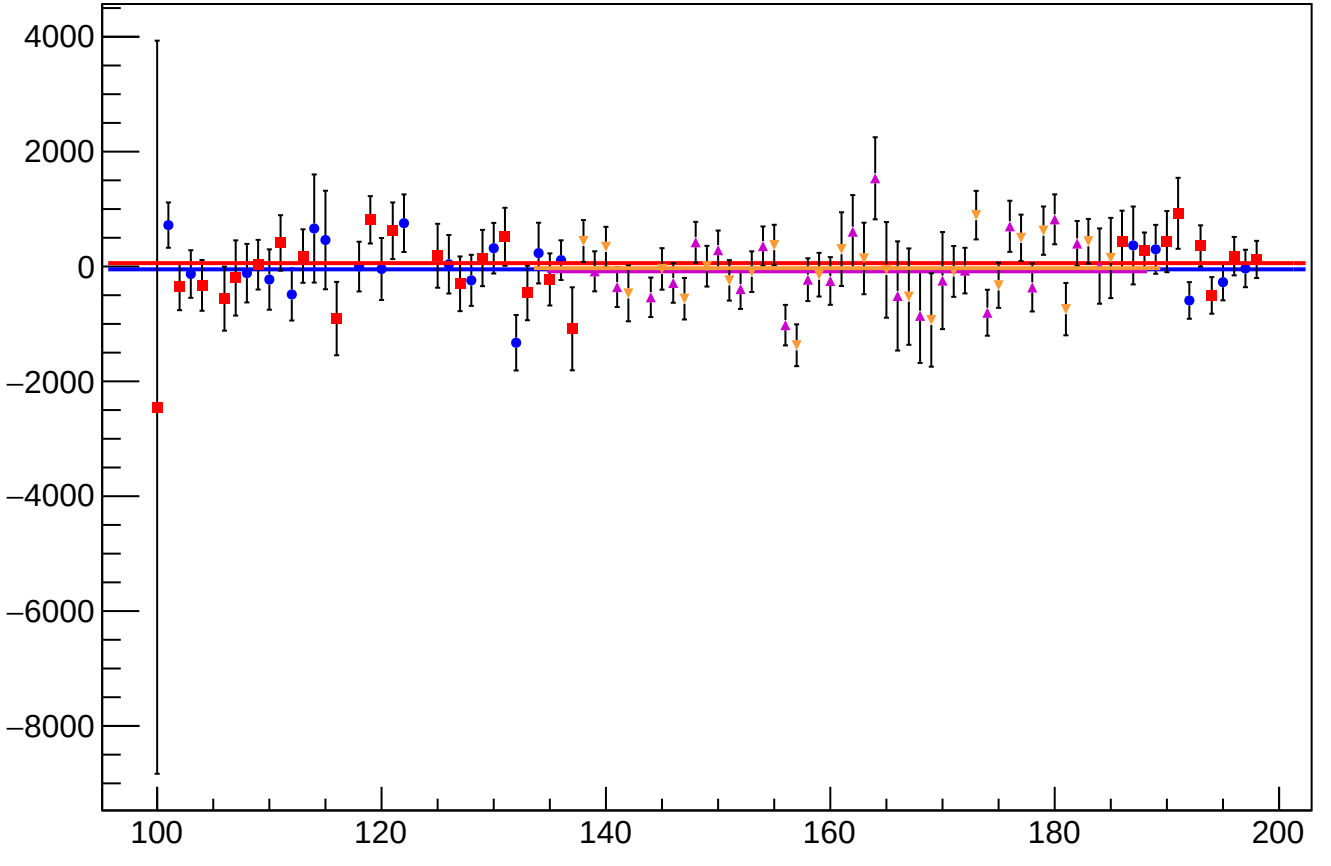
Right: 49.492+/-0.008 χ^2/NDF: 5570948.8/46

In: 63.517+/-0.009 χ^2/NDF:4165292.9/43

Out: 58.763+/-0.008 χ^2/NDF:7162324.7/50

All: 60.899+/-0.006 χ^2/NDF: 11486239.5/94

asym_dsl_mean vs Slug, Sign Corrected



Right In: -49.697+/-96.686 χ^2/NDF: 21.3/20

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: 58.490+/-88.976 χ^2/NDF: 23.9/25

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

Left: -56.550+/-61.167 χ^2/NDF: 72.6/46

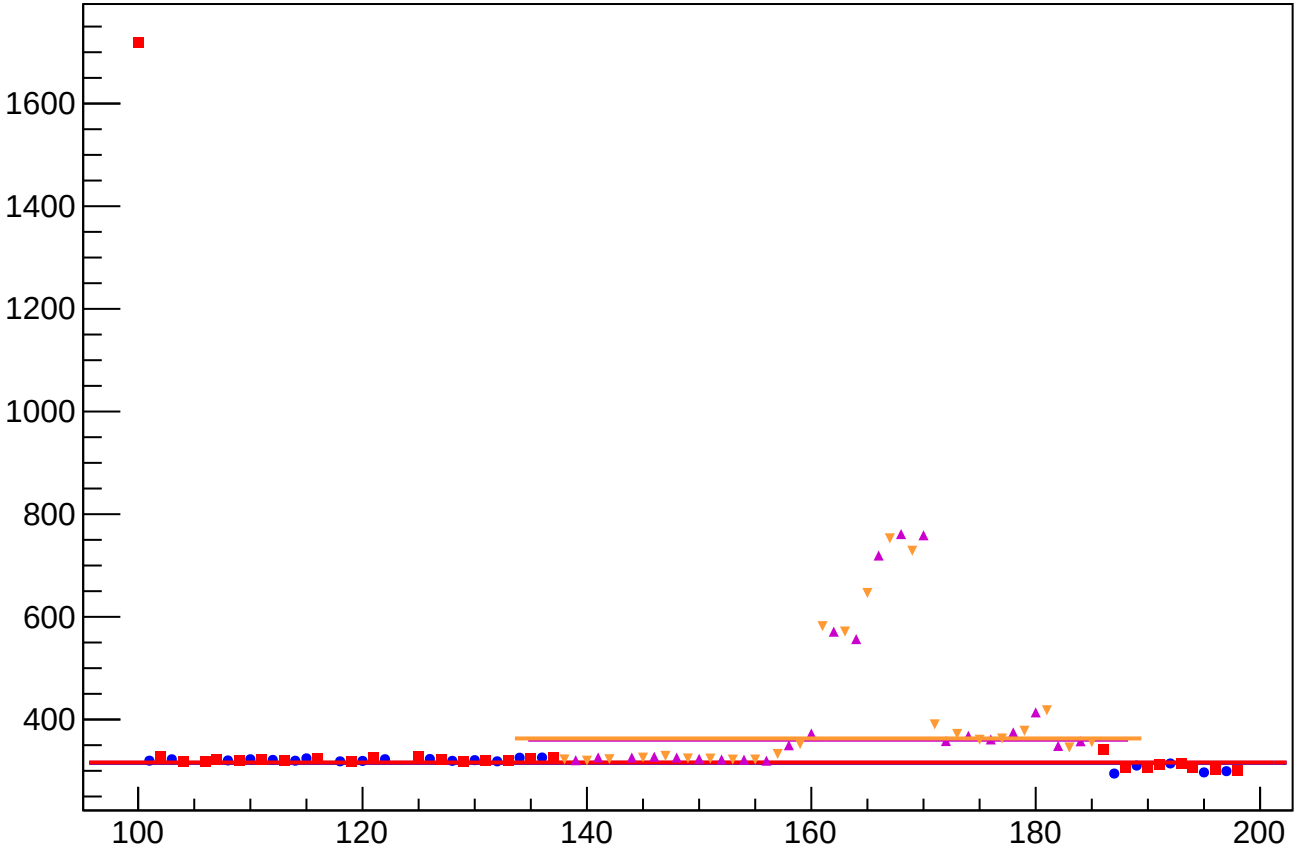
Right: 8.881+/-65.472 χ^2/NDF: 45.8/46

In: -68.599+/-64.456 χ^2/NDF:57.2/43

Out: 13.348+/-62.032 χ^2/NDF:61.0/49

All: -26.056+/-44.696 χ^2/NDF: 118.9/93

asym_dsl_rms vs Slug, Sign Corrected



Right In: 315.557+/-0.068 χ^2/NDF: 20015.6/20

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 316.238+/-0.063 χ^2/NDF: 119941.6/25

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

Left: 361.831+/-0.043 χ^2/NDF: 3614092.1/46

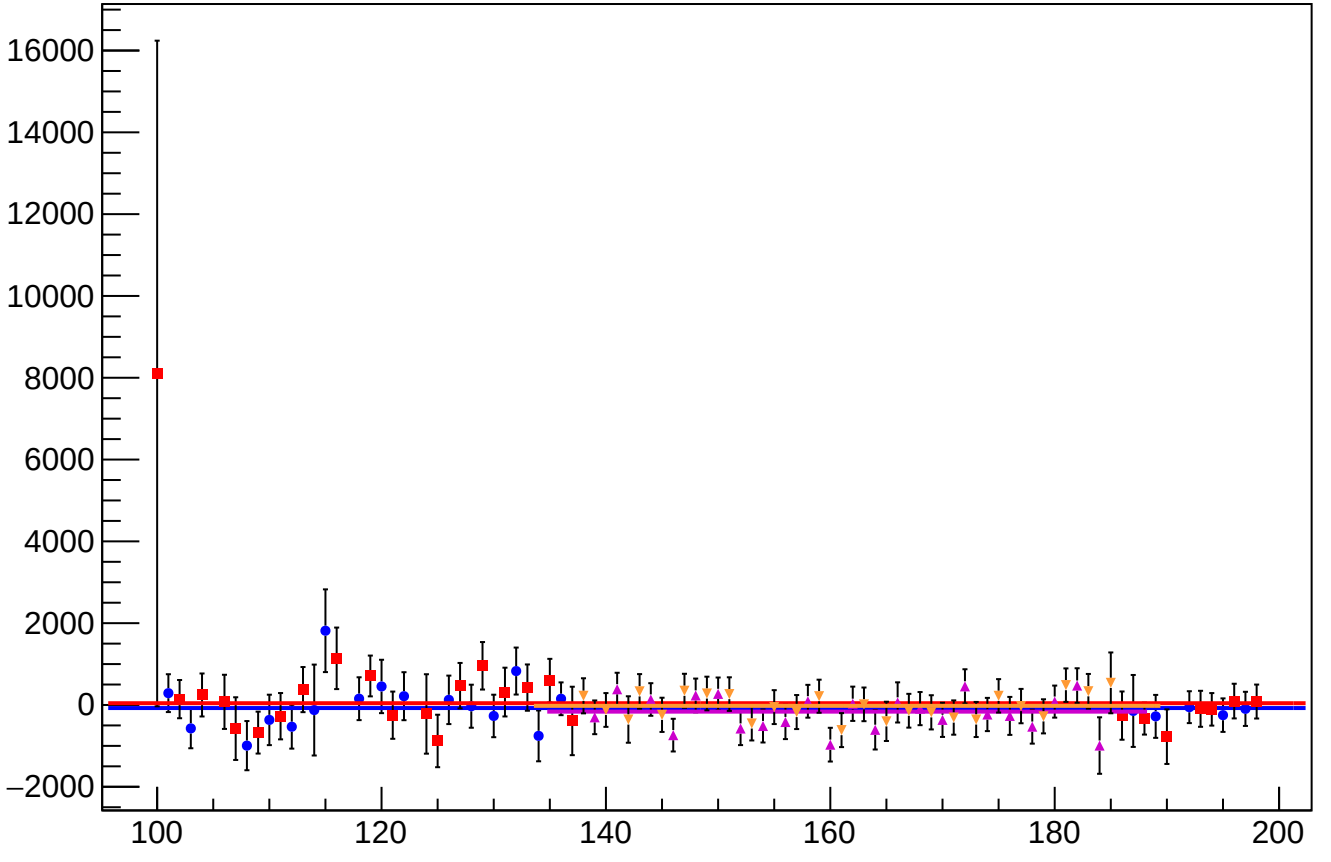
Right: 315.926+/-0.046 χ^2/NDF: 140010.9/46

In: 340.574+/-0.046 χ^2/NDF:2078701.4/43

Out: 340.311+/-0.044 χ^2/NDF:2200385.7/49

All: 340.437+/-0.032 χ^2/NDF: 4279104.3/93

asym_dsr_mean vs Slug, Sign Corrected



Right In: -75.242+/-116.477 χ^2/NDF: 14.1/20

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: 42.963+/-107.628 χ^2/NDF: 18.8/25

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

Left: -90.087+/-61.364 χ^2/NDF: 35.7/47

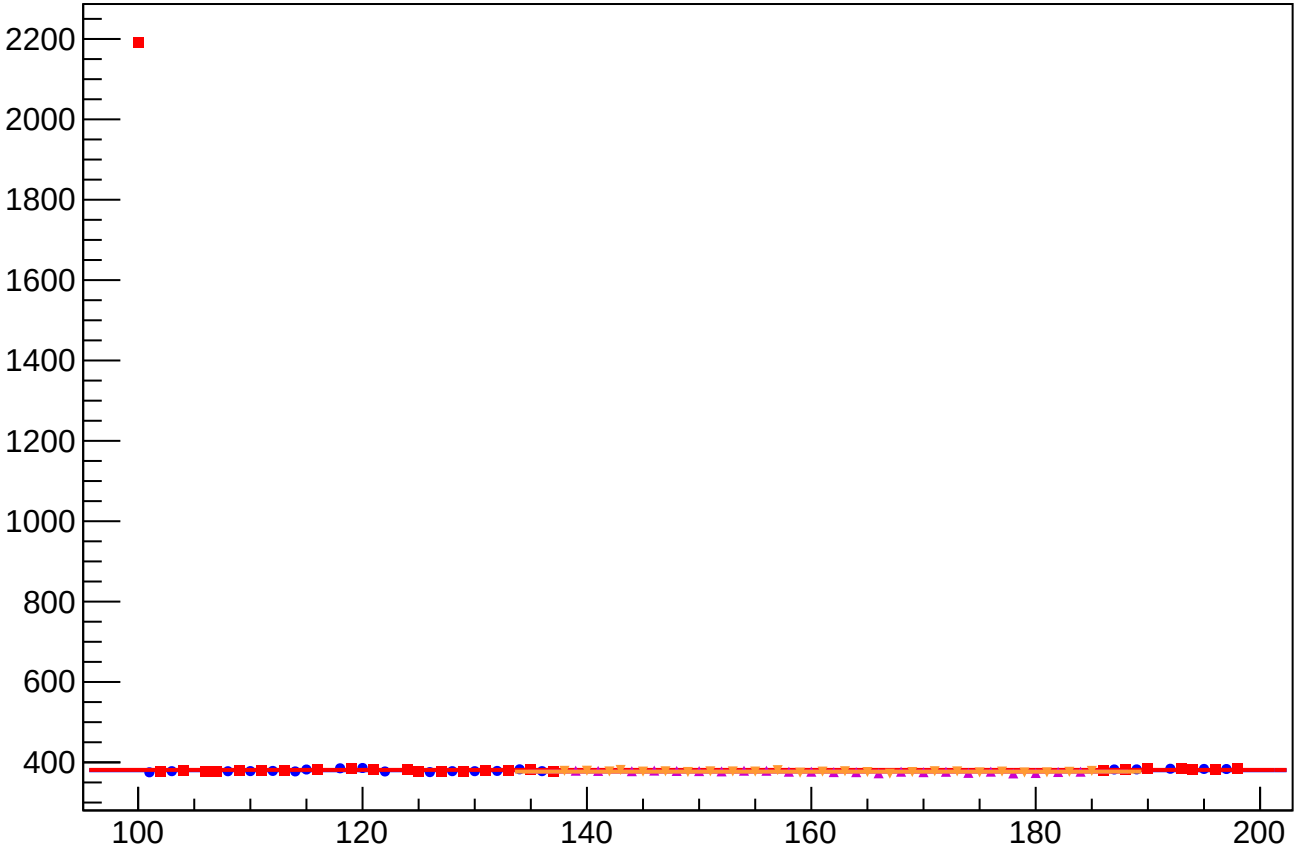
Right: -11.480+/-79.048 χ^2/NDF: 33.5/46

In: -131.109+/-70.209 χ^2/NDF:36.3/43

Out: 3.753+/-67.004 χ^2/NDF:31.7/50

All: -60.529+/-48.473 χ^2/NDF: 69.8/94

asym_dsr_rms vs Slug, Sign Corrected



Right In: 380.335+/-0.082 χ^2/NDF: 1517.8/20

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 381.236+/-0.076 χ^2/NDF: 100262.6/25

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

Left: 376.877+/-0.043 χ^2/NDF: 2132.9/47

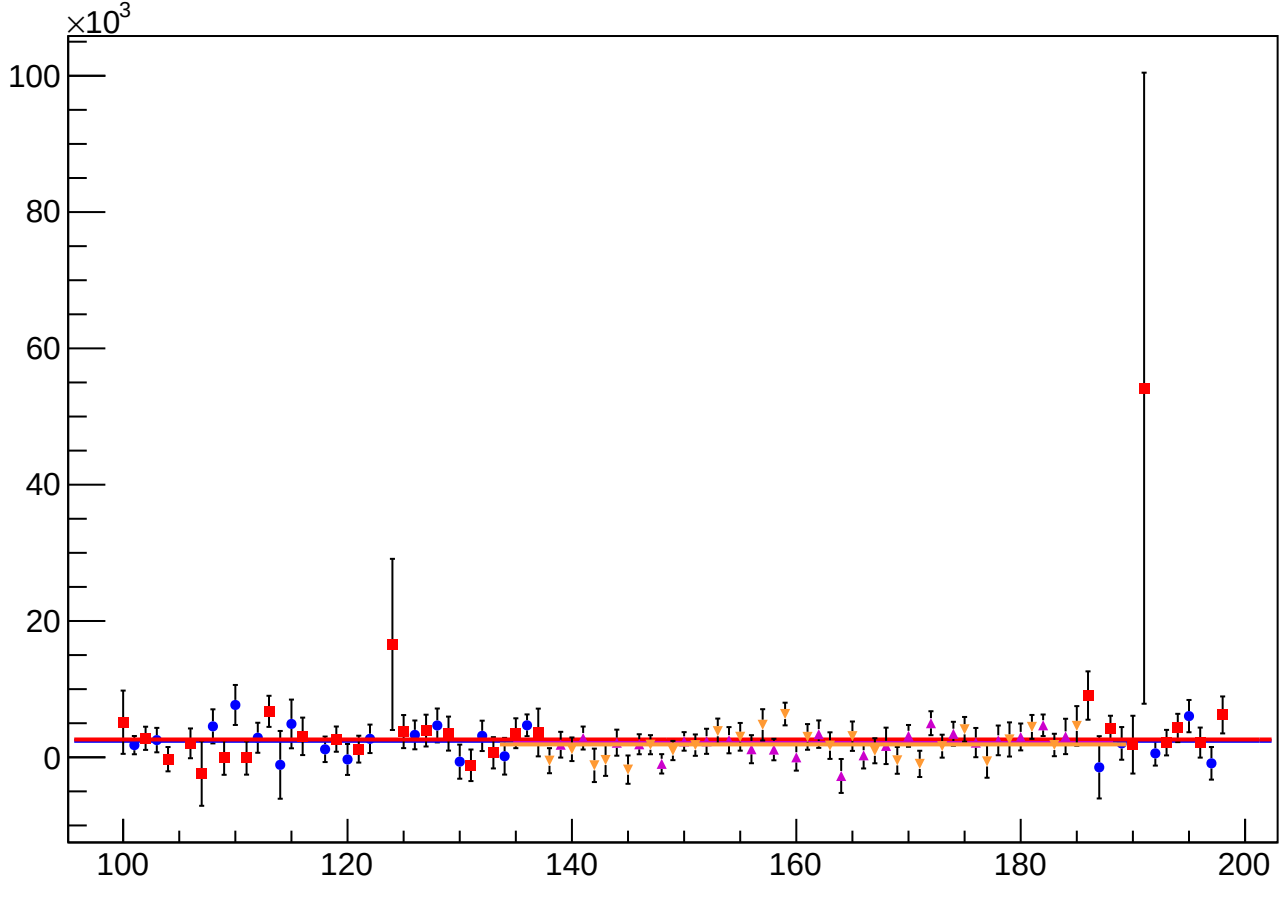
Right: 380.821+/-0.056 χ^2/NDF: 101844.8/46

In: 378.114+/-0.050 χ^2/NDF:3734.6/43

Out: 378.584+/-0.047 χ^2/NDF:103303.1/50

All: 378.360+/-0.034 χ^2/NDF: 107084.7/94

asym_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 2417.277+/-480.019 χ^2/NDF: 18.5/20

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: 2614.264+/-465.912 χ^2/NDF: 23.5/26

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

Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

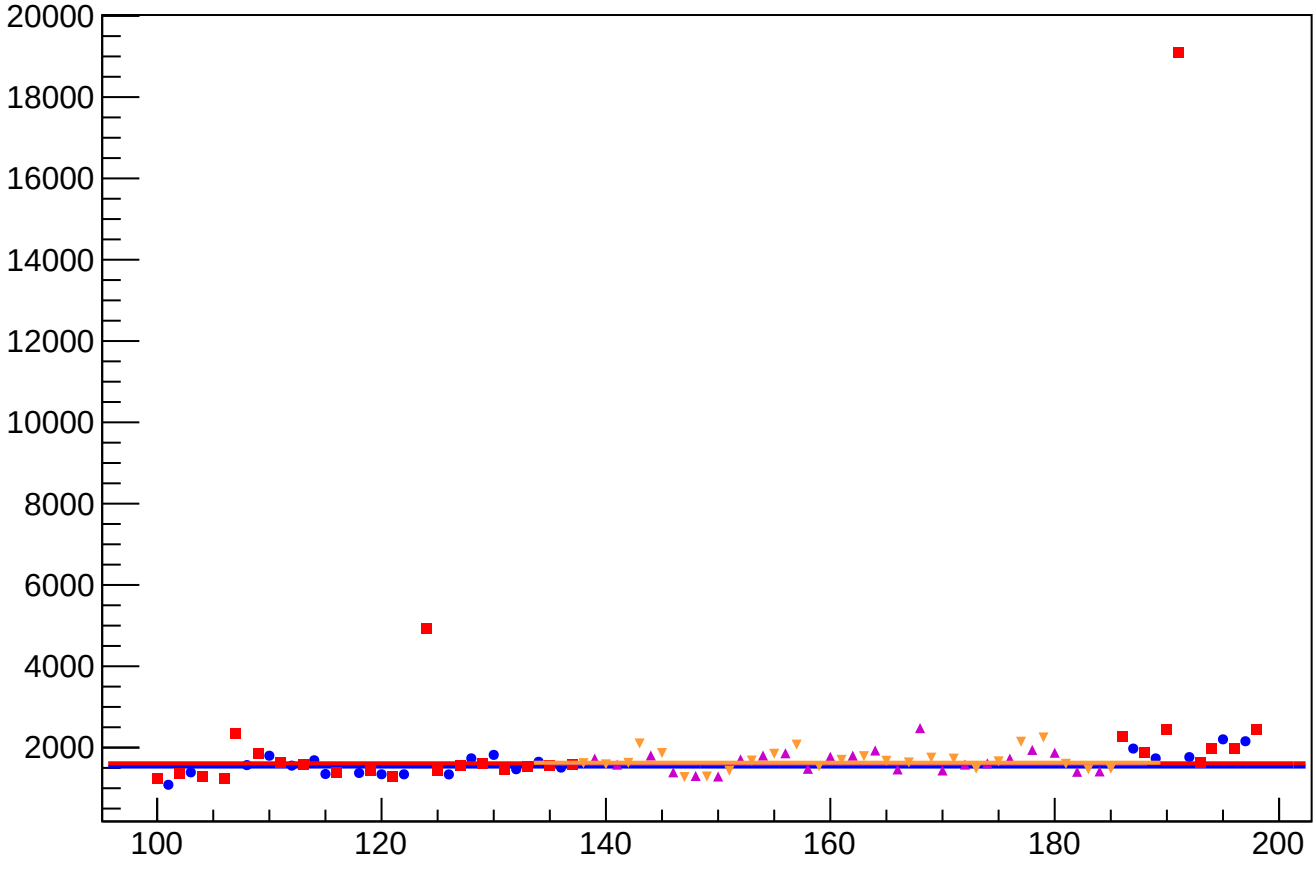
Right: 2518.707+/-334.325 χ^2/NDF: 42.1/47

In: 2225.192+/-297.484 χ^2/NDF:37.3/43

Out: 2175.731+/-292.267 χ^2/NDF:53.4/51

All: 2200.024+/-208.484 χ^2/NDF: 90.7/95

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 1532.975+/-0.339 χ^2/NDF: 729369.4/20

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1614.173+/-0.329 χ^2/NDF: 1270181.5/26

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

Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

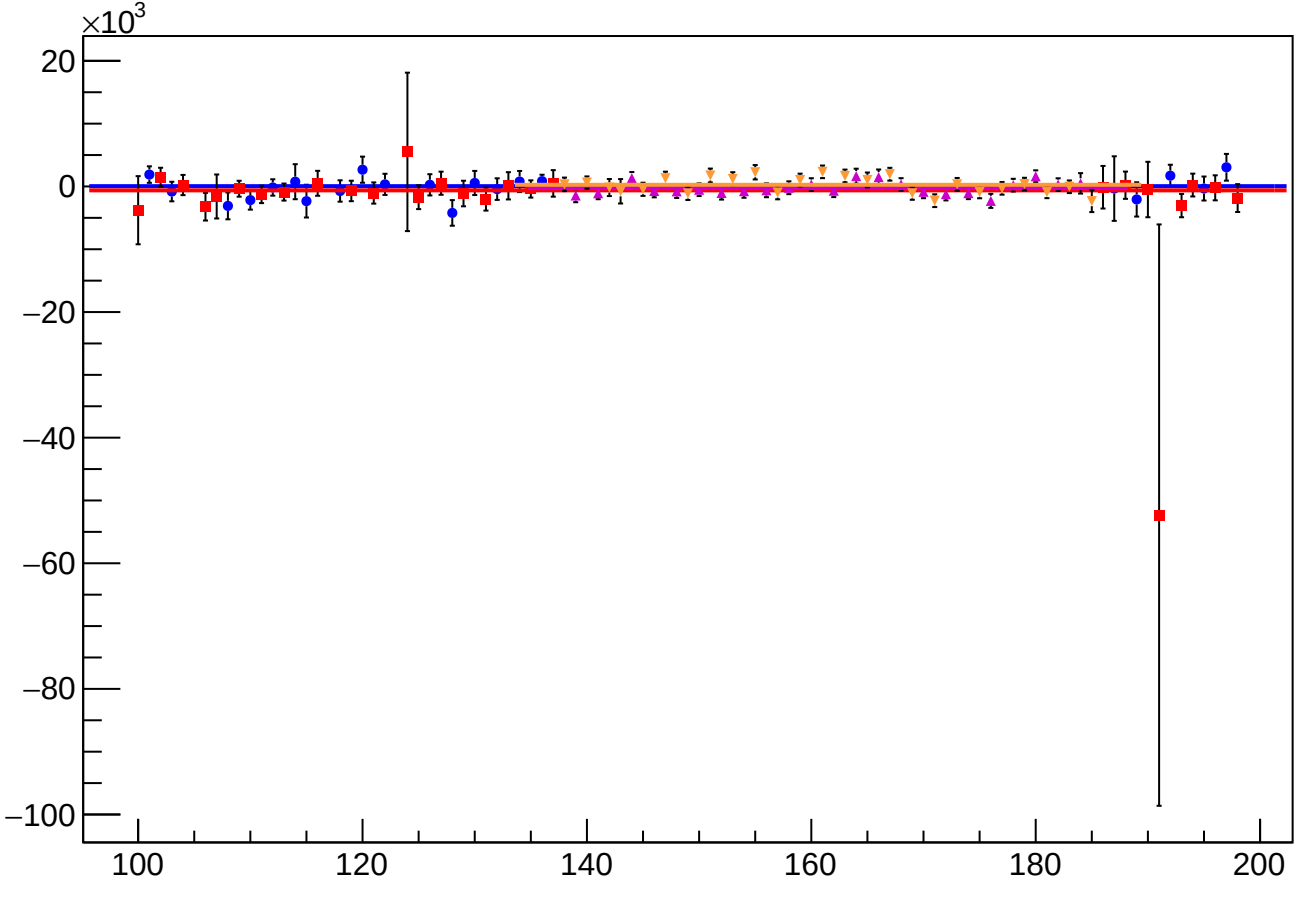
Right: 1574.785+/-0.236 χ^2/NDF: 2029017.9/47

In: 1575.179+/-0.210 χ^2/NDF:1548193.2/43

Out: 1622.849+/-0.207 χ^2/NDF:2050419.8/51

All: 1599.436+/-0.147 χ^2/NDF: 3624745.4/95

asym_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 45.272+/-379.406 χ^2/NDF: 18.2/20

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: -623.423+/-369.906 χ^2/NDF: 10.5/26

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

Left: 0.994+/-152.955 χ^2/NDF: 58.3/47

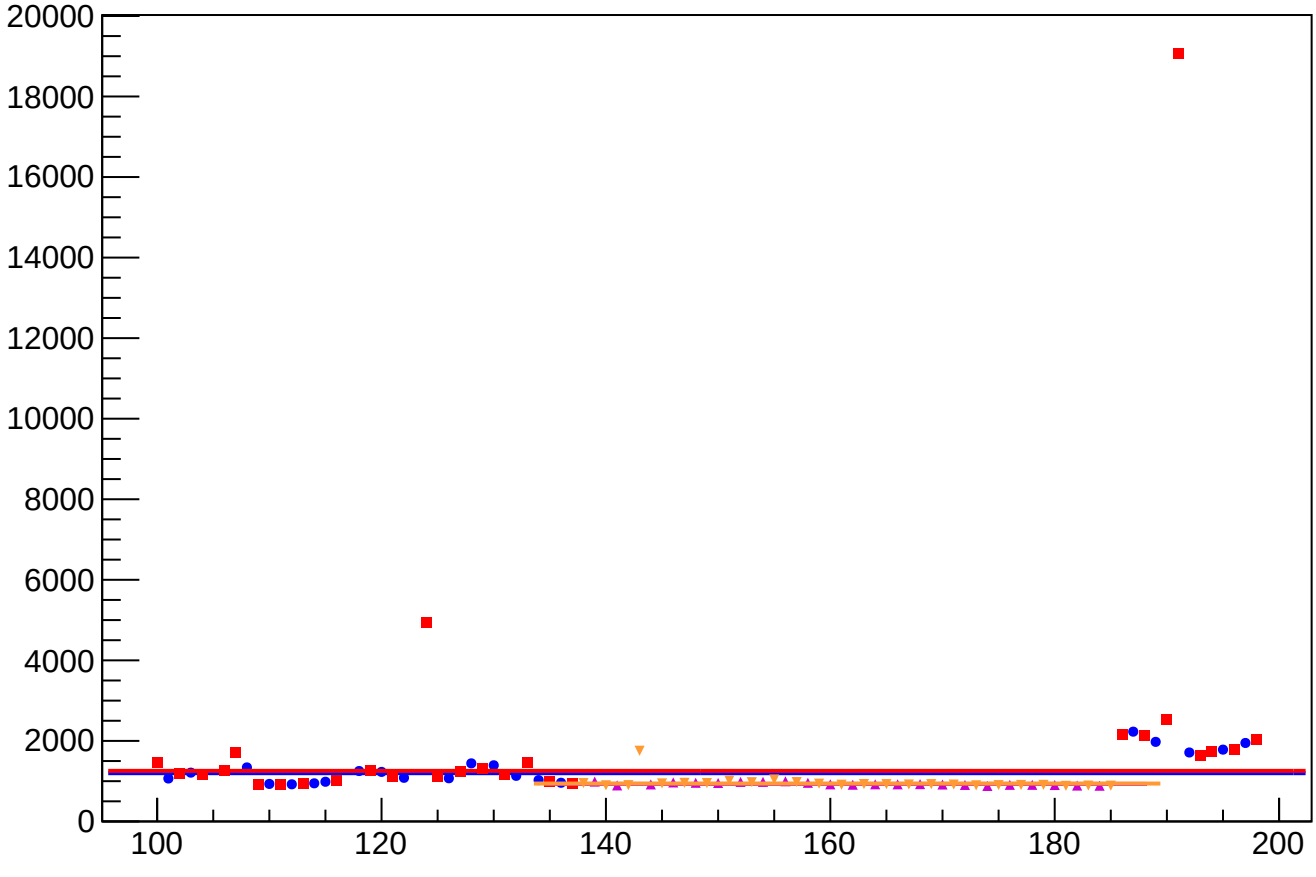
Right: -297.552+/-264.858 χ^2/NDF: 30.2/47

In: -189.707+/-188.814 χ^2/NDF:40.1/43

Out: 38.759+/-185.858 χ^2/NDF:48.7/51

All: -73.671+/-132.454 χ^2/NDF: 89.5/95

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 1198.404+/-0.268 χ^2/NDF: 1267495.0/20

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1256.285+/-0.262 χ^2/NDF: 2332735.9/26

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

Left: 936.347+/-0.108 χ^2/NDF: 468535.2/47

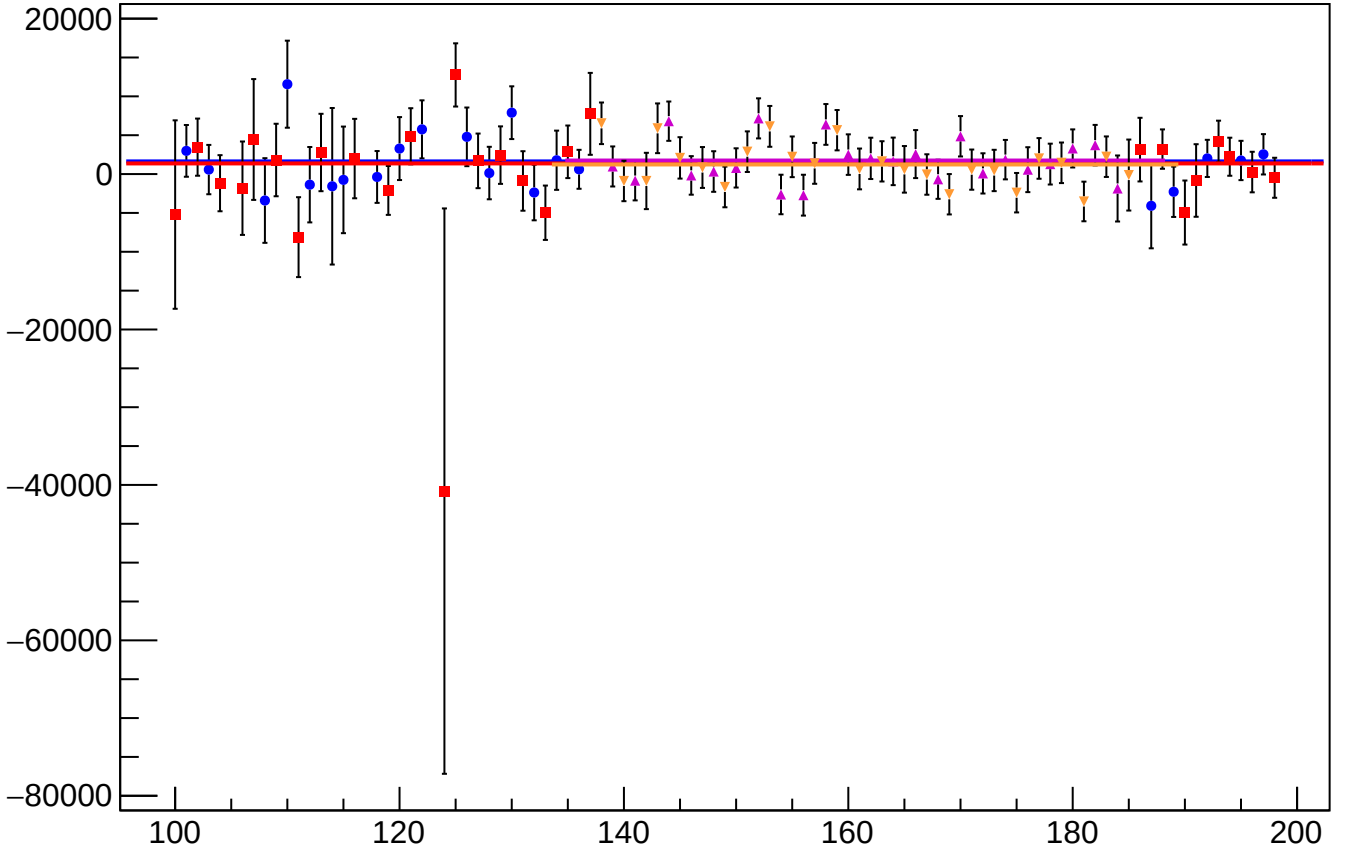
Right: 1228.078+/-0.187 χ^2/NDF: 3624094.8/47

In: 997.649+/-0.134 χ^2/NDF:2060699.1/43

Out: 1020.604+/-0.131 χ^2/NDF:3836511.4/51

All: 1009.308+/-0.094 χ^2/NDF: 5912224.9/95

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1629.179+/-764.598 χ^2/NDF: 15.1/20

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: 1368.043+/-715.360 χ^2/NDF: 27.0/26

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

Left: 1482.688+/-386.910 χ^2/NDF: 48.7/47

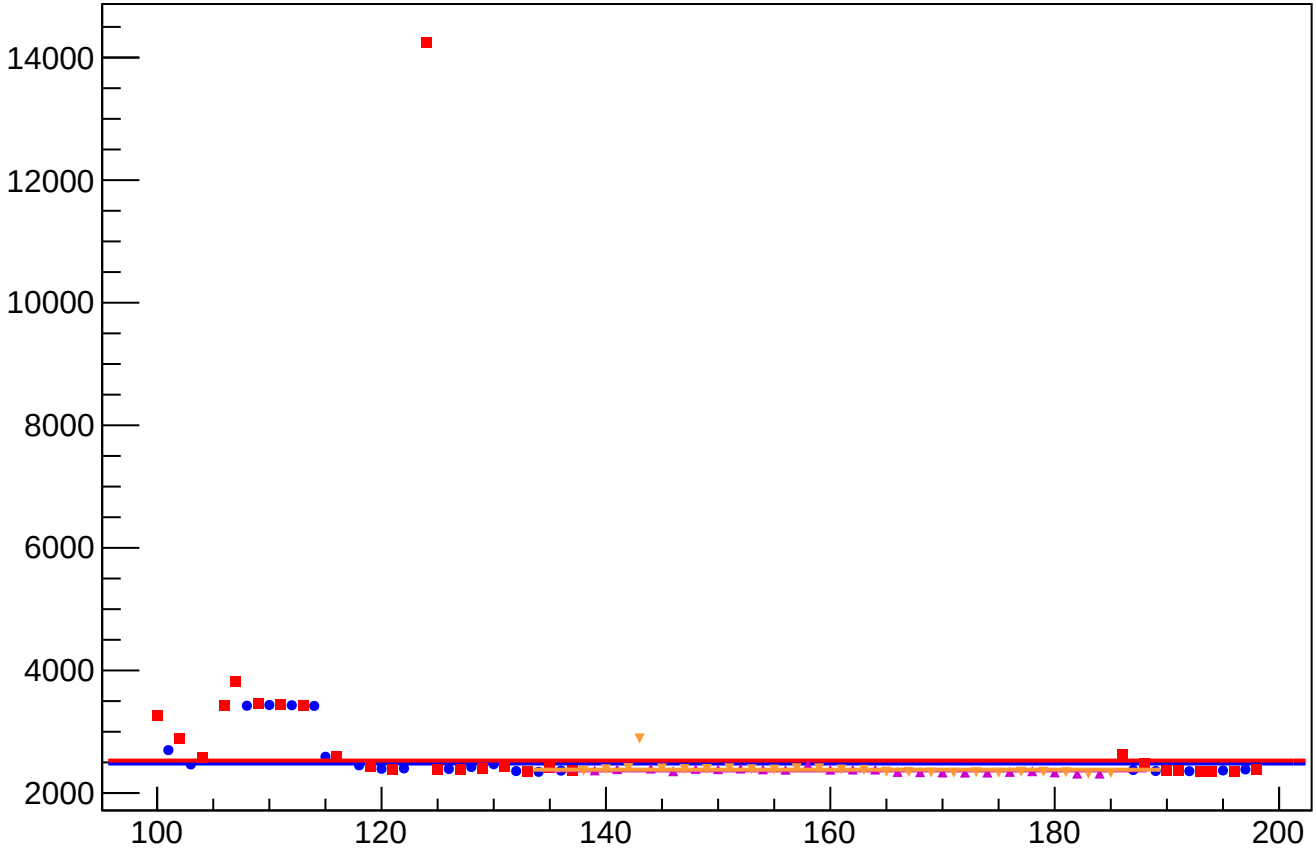
Right: 1489.932+/-522.376 χ^2/NDF: 42.1/47

In: 1703.052+/-448.221 χ^2/NDF:39.4/43

Out: 1283.267+/-431.646 χ^2/NDF:50.9/51

All: 1485.254+/-310.914 χ^2/NDF: 90.8/95

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2481.732+/-0.541 χ^2/NDF: 250111.3/20

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2529.780+/-0.506 χ^2/NDF: 606296.9/26

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

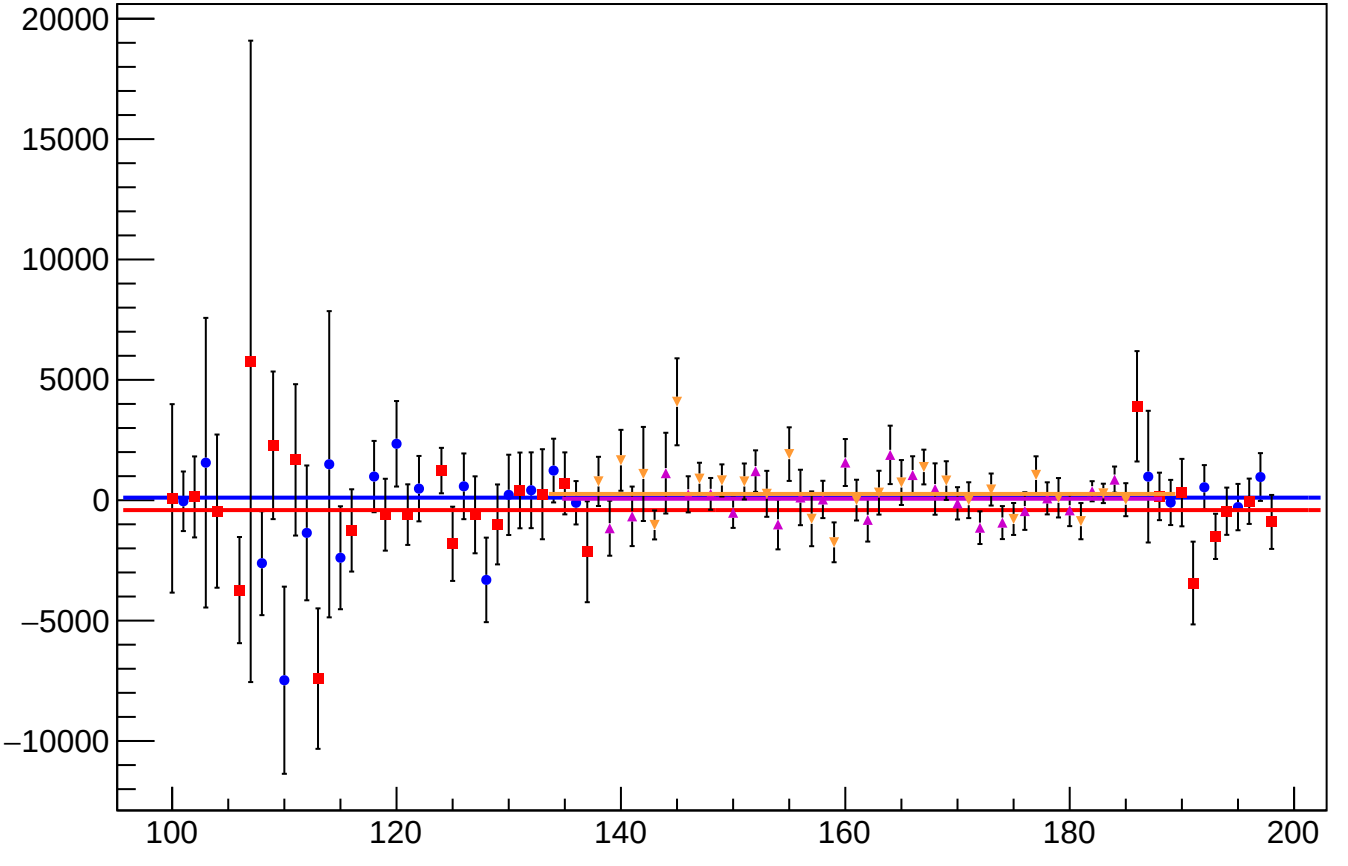
Right: 2507.353+/-0.369 χ^2/NDF: 860619.6/47

In: 2407.993+/-0.317 χ^2/NDF:285487.1/43

Out: 2435.319+/-0.305 χ^2/NDF:718759.6/51

All: 2422.170+/-0.220 χ^2/NDF: 1008103.5/95

asym_atl1_reg_correction_mean vs Slug, Sign Corrected



Right In: 107.711+/-306.894 χ^2/NDF: 15.2/20

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: -409.771+/-283.325 χ^2/NDF: 24.6/26

Left In: 61.960+/-157.394 χ^2/NDF:22.0/22

Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

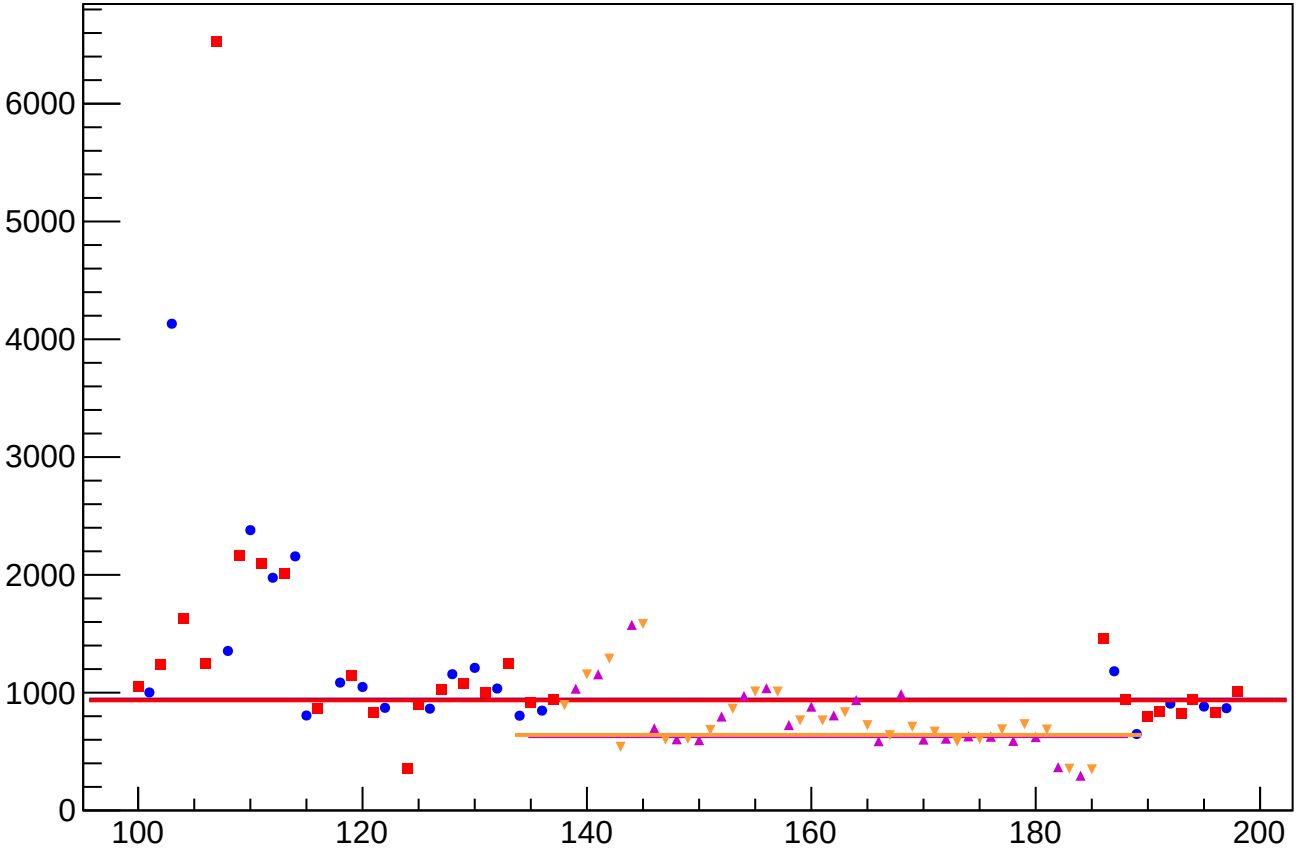
Right: -171.661+/-208.175 χ^2/NDF: 41.3/47

In: 71.487+/-140.049 χ^2/NDF:37.2/43

Out: 108.685+/-135.311 χ^2/NDF:60.1/51

All: 90.726+/-97.311 χ^2/NDF: 97.3/95

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 940.929+/-0.217 χ^2/NDF: 1669963.1/20

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 935.152+/-0.200 χ^2/NDF: 2513260.2/26

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

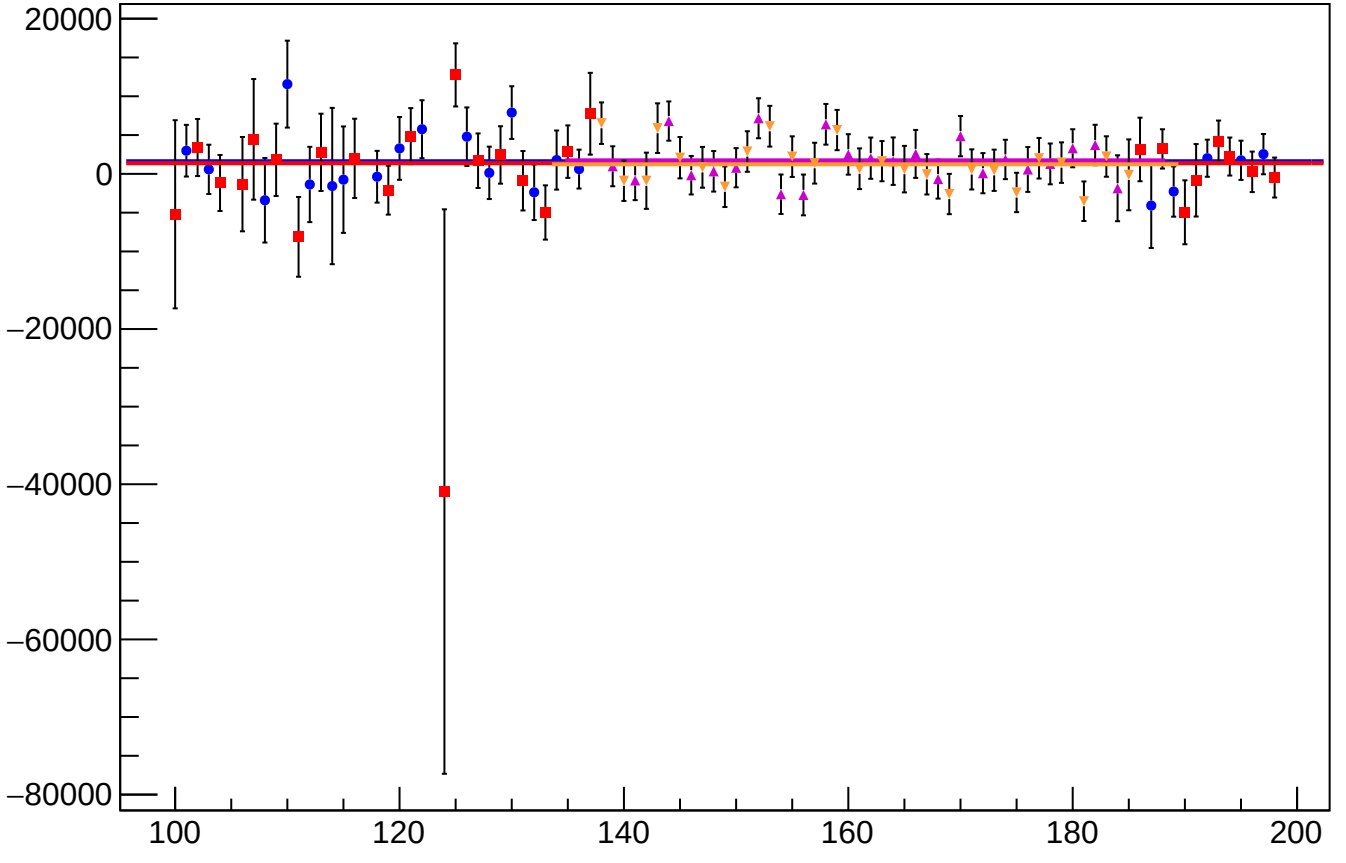
Right: 937.810+/-0.147 χ^2/NDF: 4183605.9/47

In: 695.700+/-0.099 χ^2/NDF:7258314.4/43

Out: 708.212+/-0.096 χ^2/NDF:7650433.0/51

All: 702.171+/-0.069 χ^2/NDF: 14917003.3/95

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1629.409+/-764.598 χ^2/NDF: 15.1/20

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1373.136+/-715.475 χ^2/NDF: 26.9/26

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

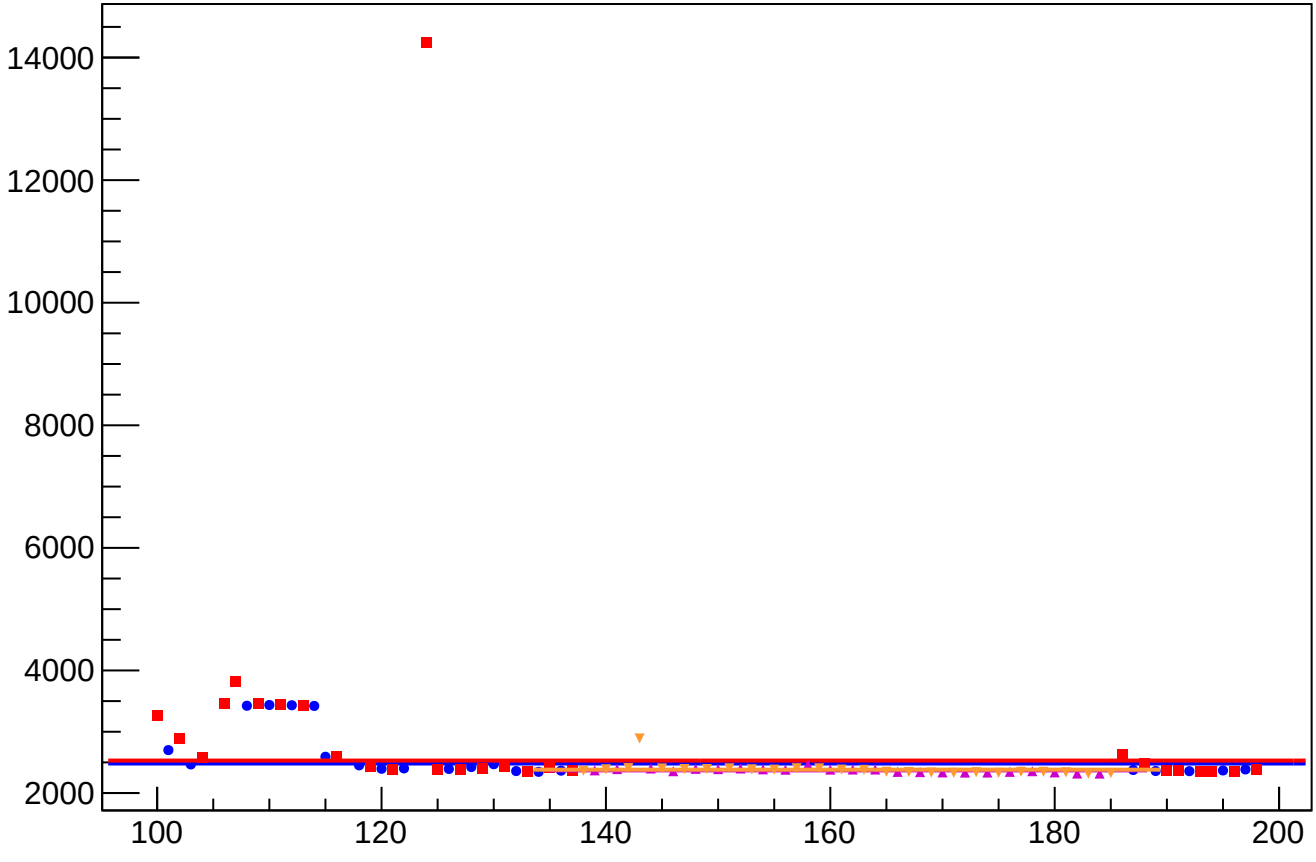
Right: 1492.776+/-522.421 χ^2/NDF: 42.0/47

In: 1703.166+/-448.221 χ^2/NDF:39.4/43

Out: 1285.096+/-431.672 χ^2/NDF:50.8/51

All: 1486.271+/-310.924 χ^2/NDF: 90.7/95

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2481.732+/-0.541 χ^2/NDF: 250111.3/20

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2530.036+/-0.506 χ^2/NDF: 609127.4/26

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

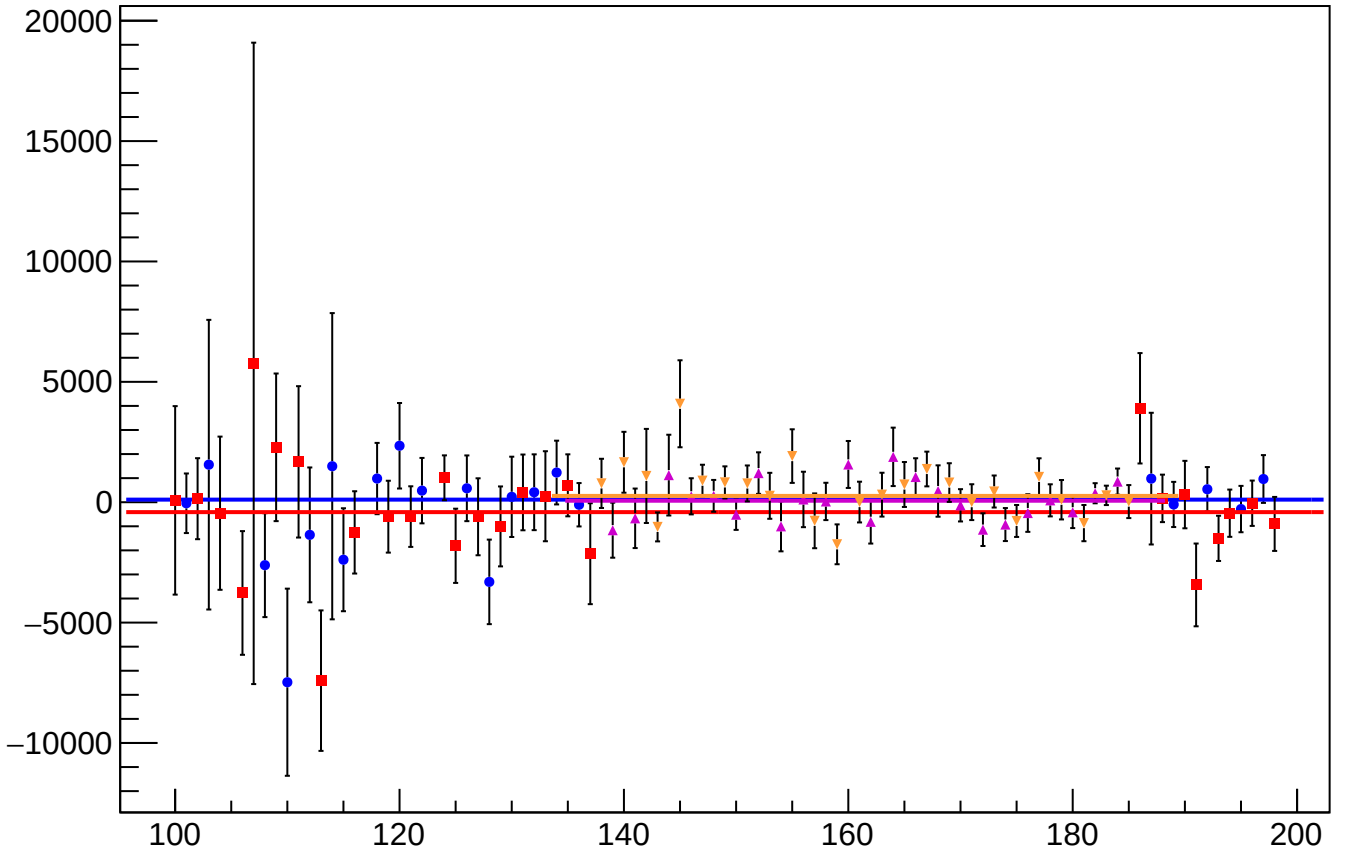
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2507.486+/-0.369 χ^2/NDF: 863494.6/47

In: 2407.993+/-0.317 χ^2/NDF:285487.1/43

Out: 2435.401+/-0.305 χ^2/NDF:721768.0/51

All: 2422.212+/-0.220 χ^2/NDF: 1011135.0/95



Right In: 107.648+/-306.894 χ^2/NDF: 15.2/20

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -411.514+/-283.602 χ^2/NDF: 23.4/26

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

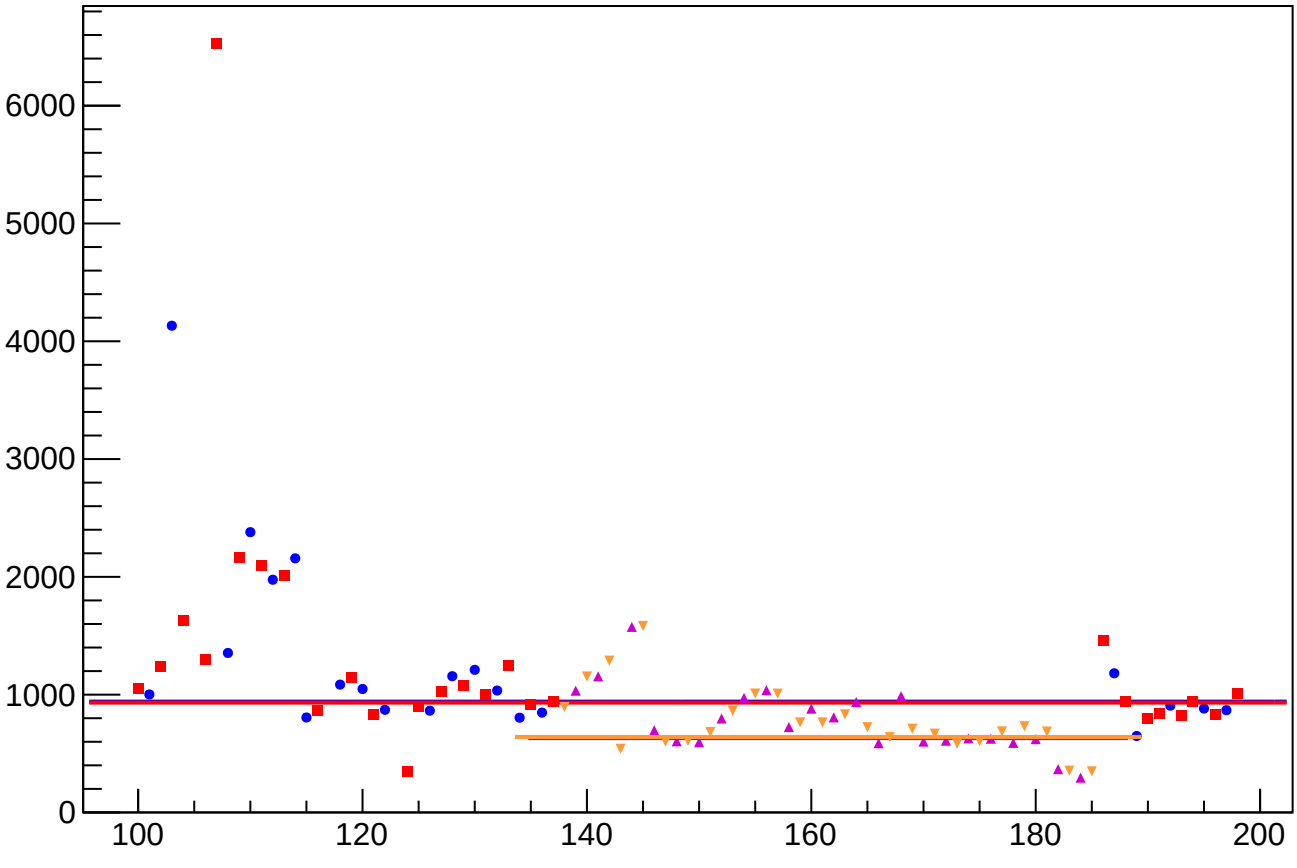
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -172.379+/-208.285 χ^2/NDF: 40.1/47

In: 71.487+/-140.049 χ^2/NDF:37.2/43

Out: 108.734+/-135.342 χ^2/NDF:58.8/51

All: 90.747+/-97.323 χ^2/NDF: 96.0/95



Right In: 940.932+/-0.217 χ^2/NDF: 1669914.7/20

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 932.563+/-0.201 χ^2/NDF: 2544747.9/26

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

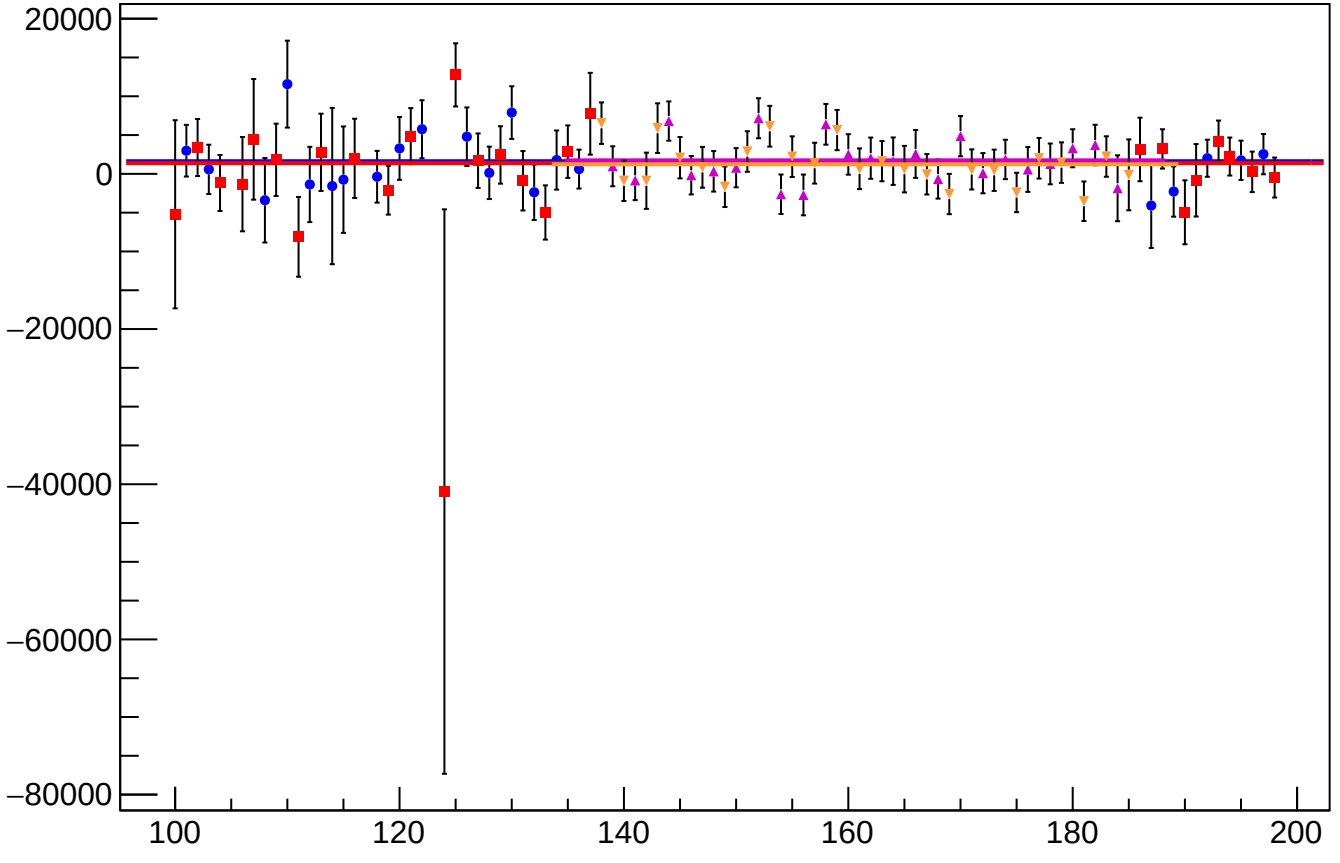
Right: 936.418+/-0.147 χ^2/NDF: 4215464.9/47

In: 695.699+/-0.099 χ^2/NDF:7258444.8/43

Out: 707.533+/-0.096 χ^2/NDF:7649876.1/51

All: 701.818+/-0.069 χ^2/NDF: 14915705.2/95

eigen_cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1629.409+/-764.598 χ^2/NDF: 15.1/20

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1373.136+/-715.475 χ^2/NDF: 26.9/26

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

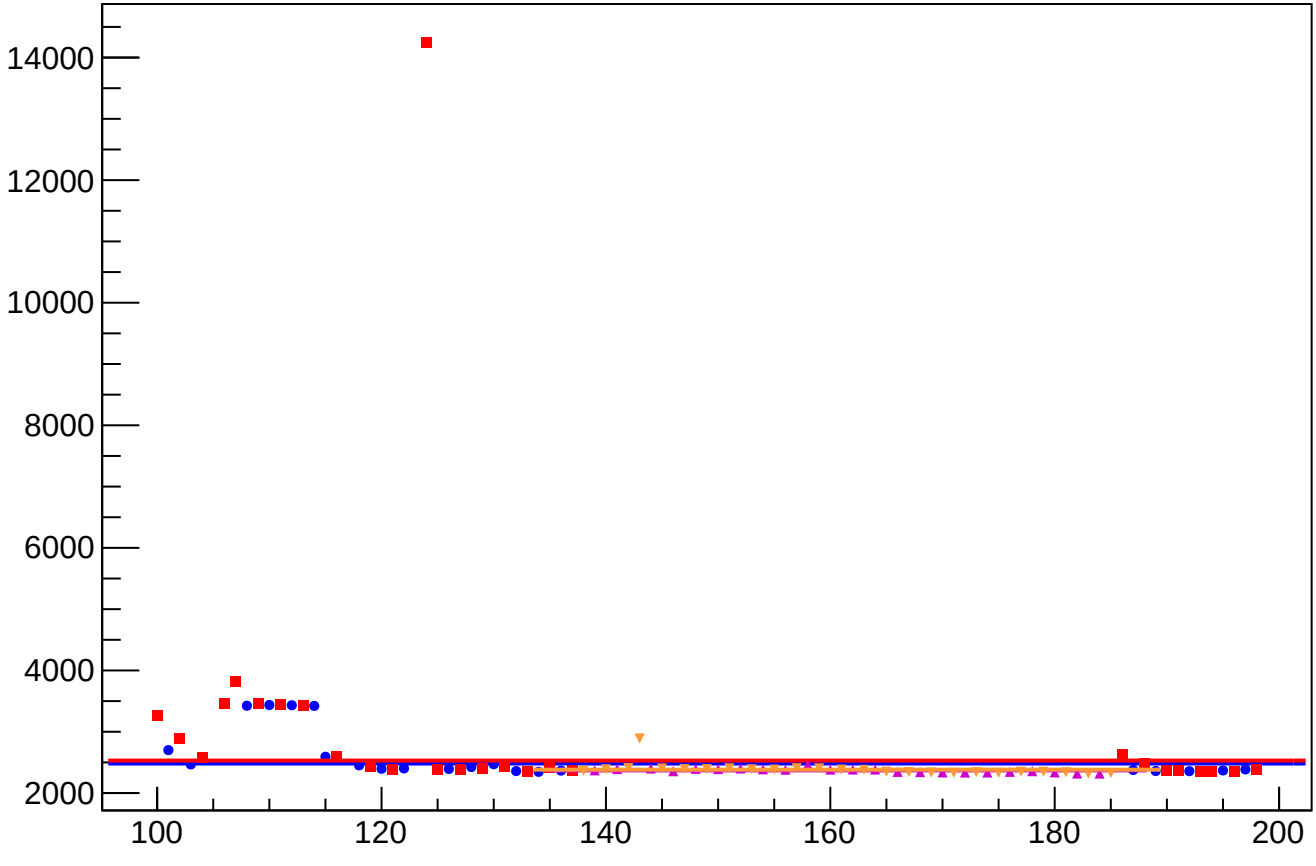
Right: 1492.776+/-522.421 χ^2/NDF: 42.0/47

In: 1703.166+/-448.221 χ^2/NDF:39.4/43

Out: 1285.096+/-431.672 χ^2/NDF:50.8/51

All: 1486.271+/-310.924 χ^2/NDF: 90.7/95

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2481.732+/-0.541 χ^2/NDF: 250111.3/20

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2530.036+/-0.506 χ^2/NDF: 609127.4/26

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

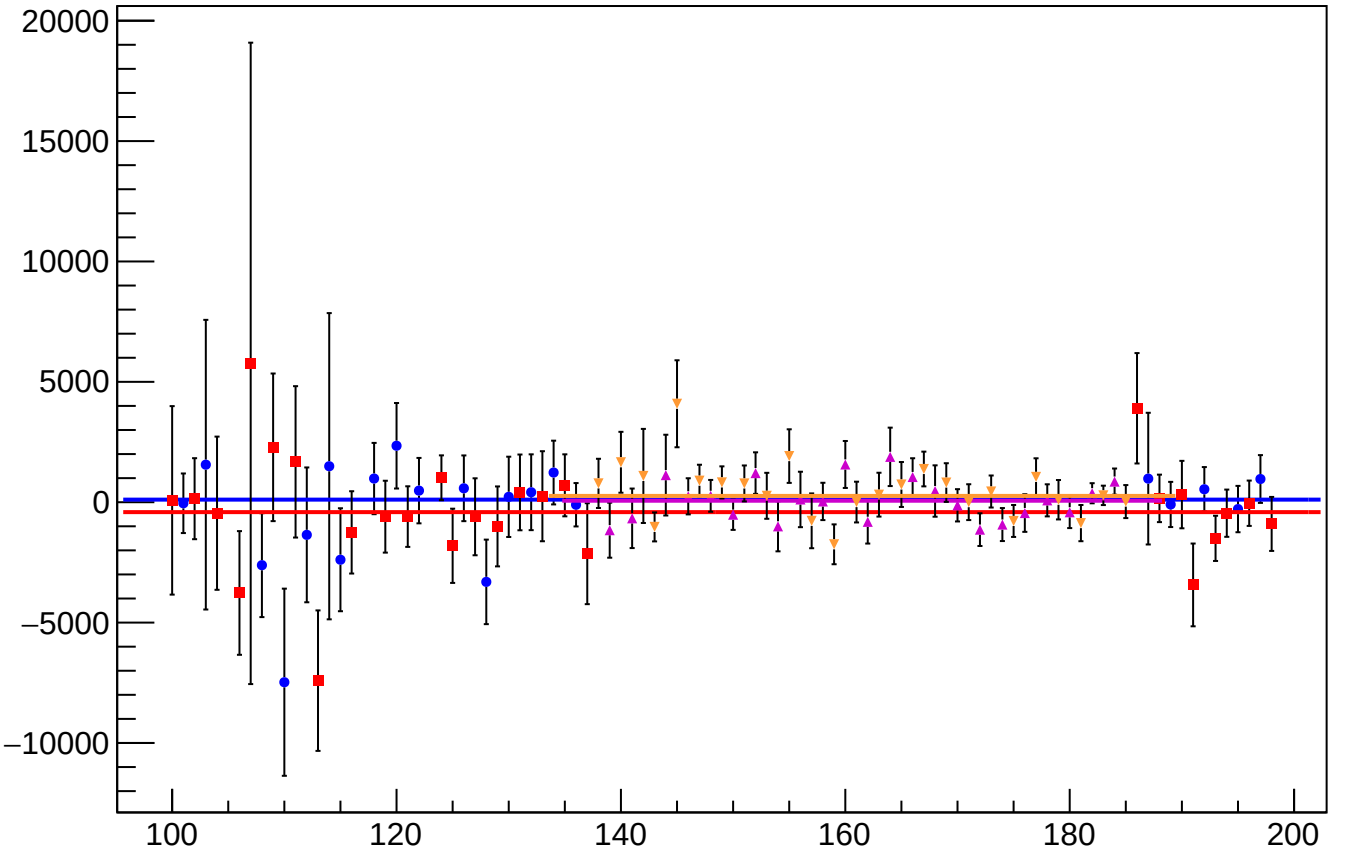
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2507.486+/-0.369 χ^2/NDF: 863494.6/47

In: 2407.993+/-0.317 χ^2/NDF:285487.1/43

Out: 2435.401+/-0.305 χ^2/NDF:721768.0/51

All: 2422.212+/-0.220 χ^2/NDF: 1011135.0/95



Right In: 107.648+/-306.894 χ^2/NDF: 15.2/20

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -411.514+/-283.602 χ^2/NDF: 23.4/26

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

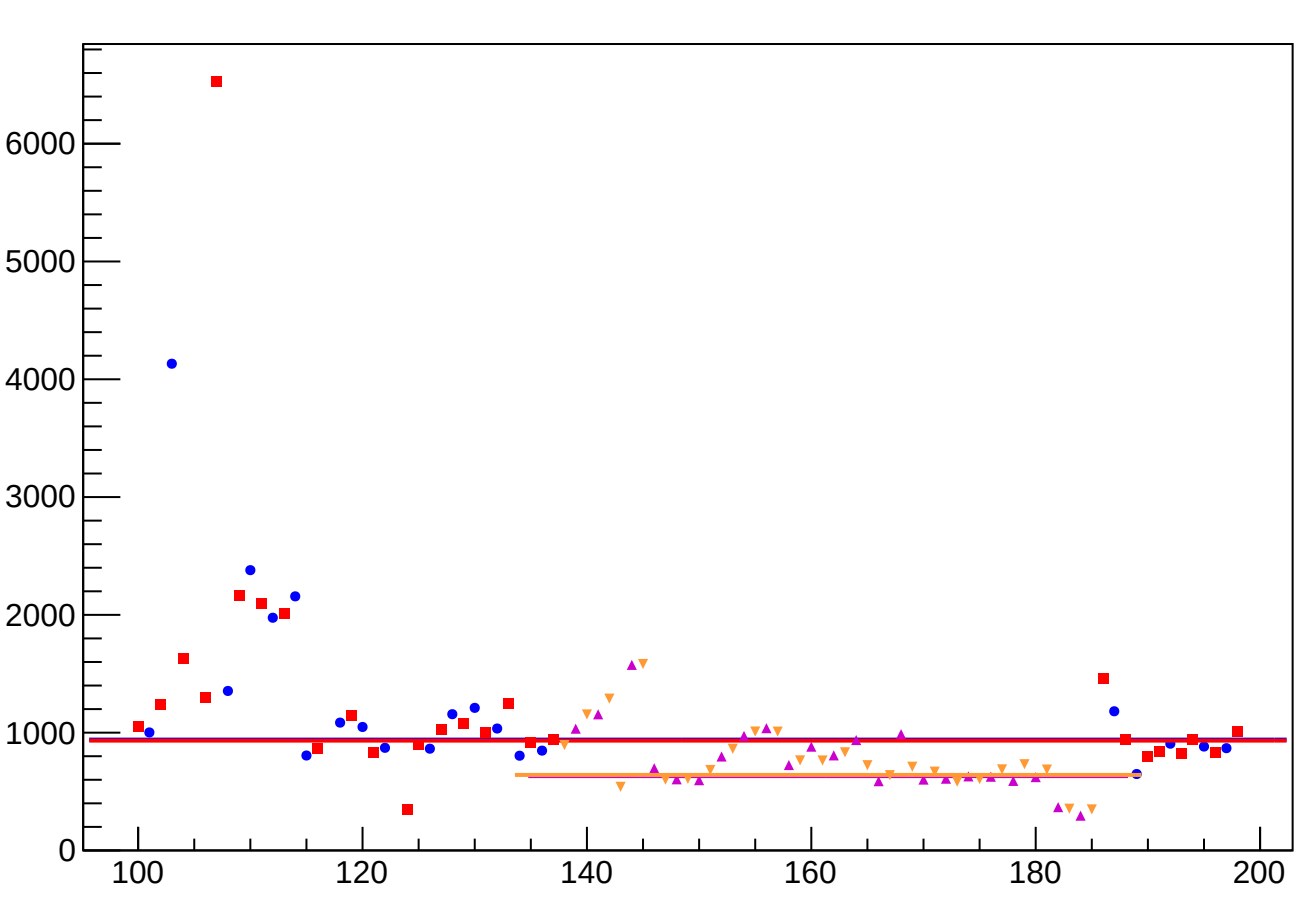
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -172.379+/-208.285 χ^2/NDF: 40.1/47

In: 71.487+/-140.049 χ^2/NDF:37.2/43

Out: 108.734+/-135.342 χ^2/NDF:58.8/51

All: 90.747+/-97.323 χ^2/NDF: 96.0/95



Right In: 940.932+/-0.217 χ^2/NDF: 1669914.7/20

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 932.563+/-0.201 χ^2/NDF: 2544747.9/26

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

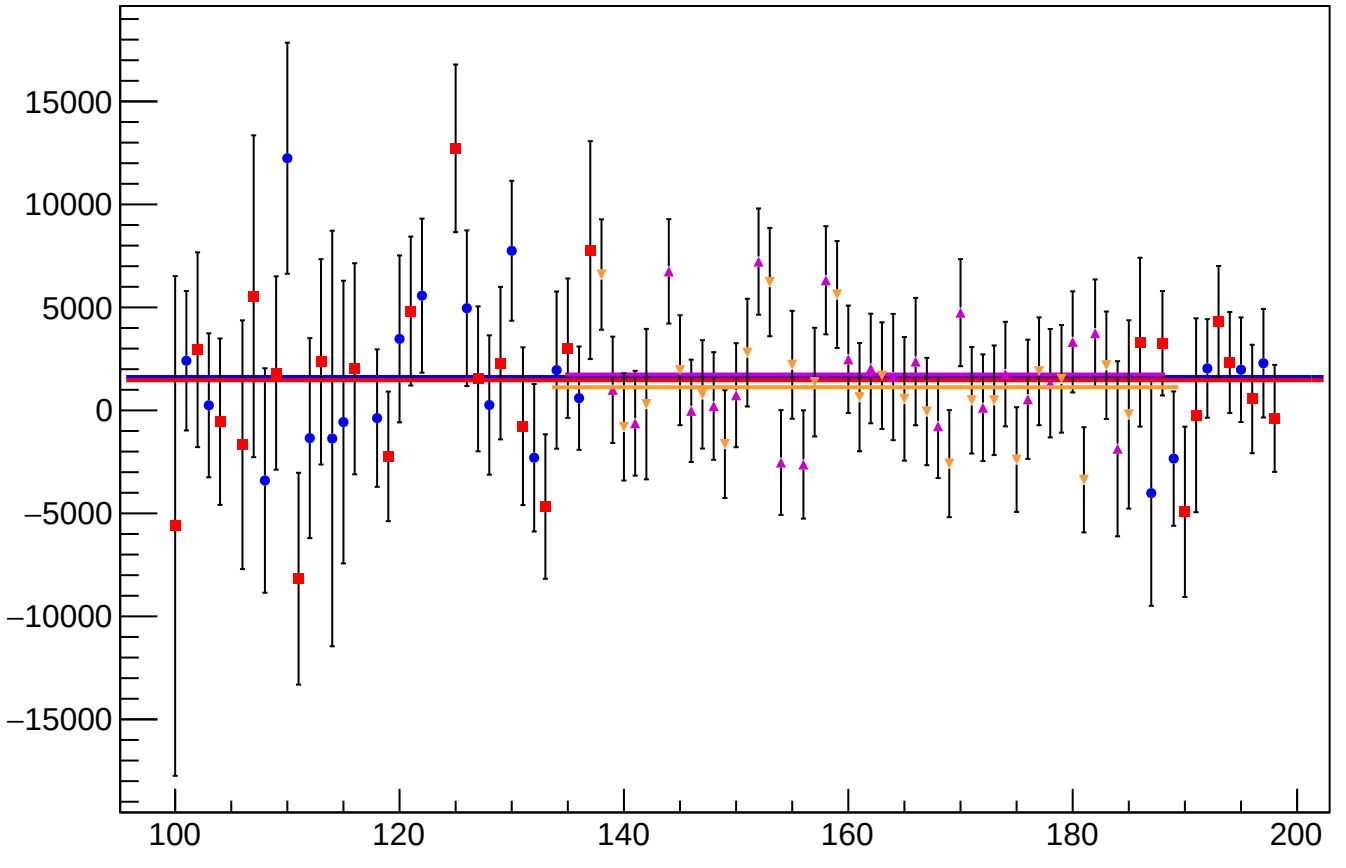
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 936.418+/-0.147 χ^2/NDF: 4215464.9/47

In: 695.699+/-0.099 χ^2/NDF:7258444.8/43

Out: 707.533+/-0.096 χ^2/NDF:7649876.1/51

All: 701.818+/-0.069 χ^2/NDF: 14915705.2/95



Right In: 1623.291+/-771.291 χ^2/NDF: 15.1/20

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1462.862+/-725.767 χ^2/NDF: 24.9/25

Left In: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

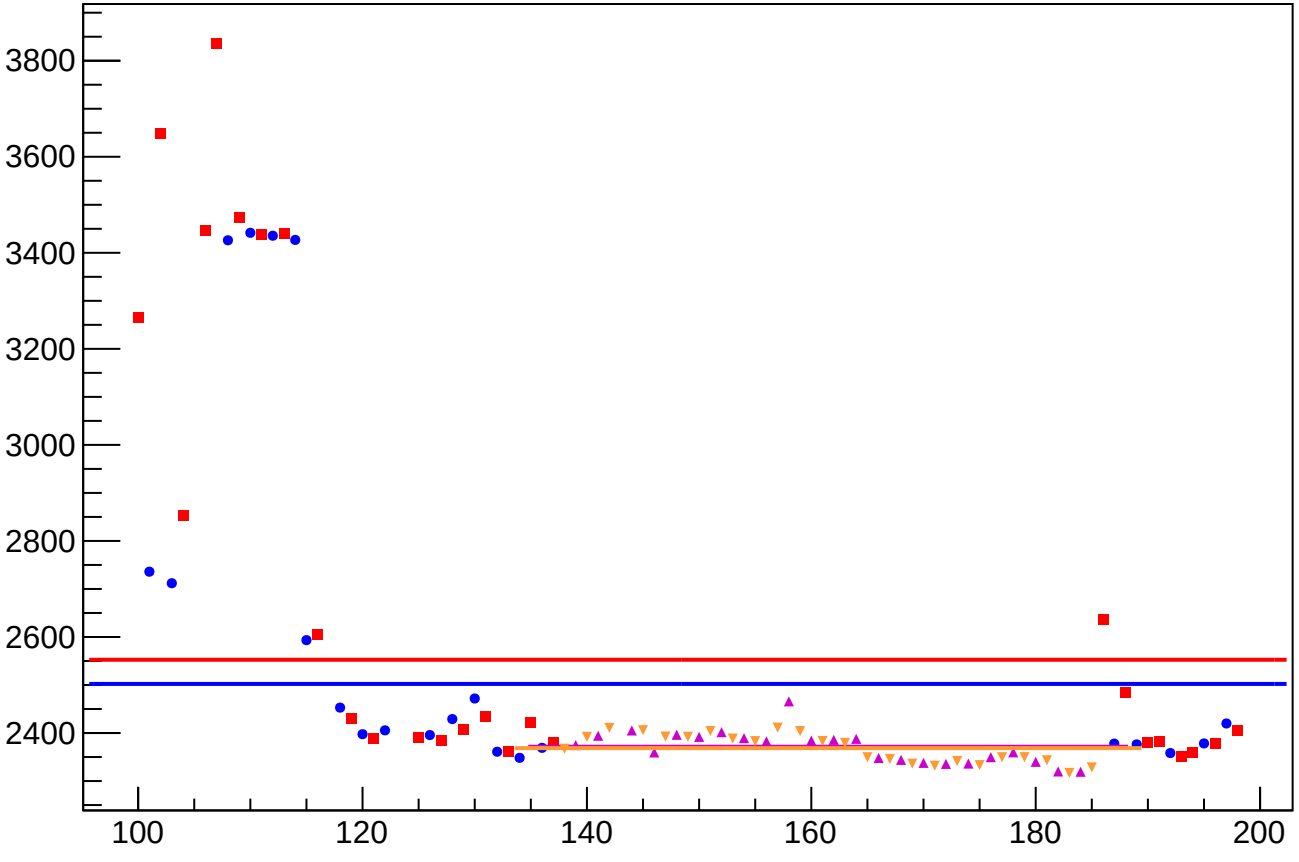
Right: 1538.202+/-528.556 χ^2/NDF: 40.0/46

In: 1701.823+/-449.826 χ^2/NDF:38.9/43

Out: 1248.559+/-438.265 χ^2/NDF:46.2/49

All: 1469.292+/-313.908 χ^2/NDF: 85.6/93

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2502.258+/-0.545 χ^2/NDF: 257114.0/20

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2552.577+/-0.513 χ^2/NDF: 501478.7/25

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

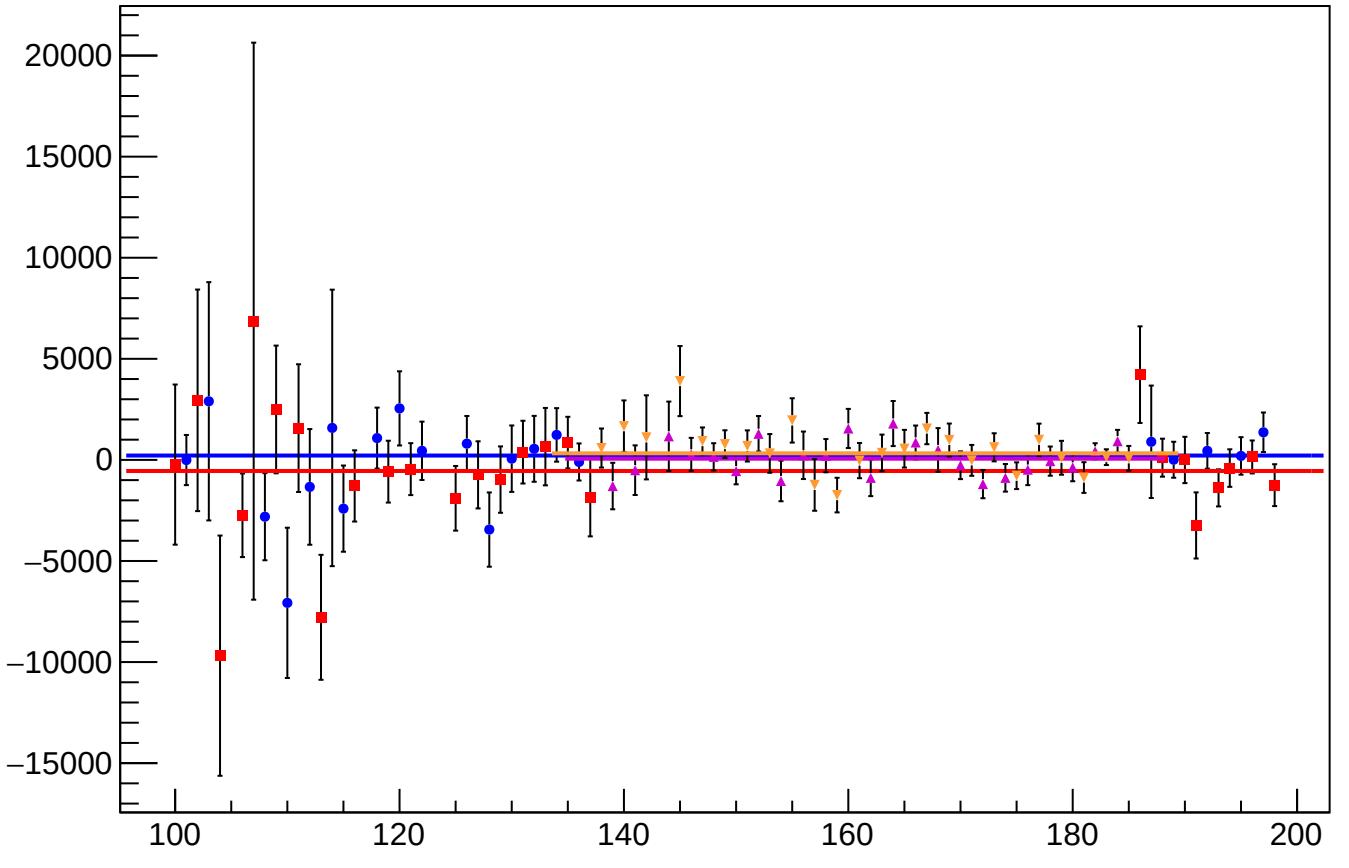
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

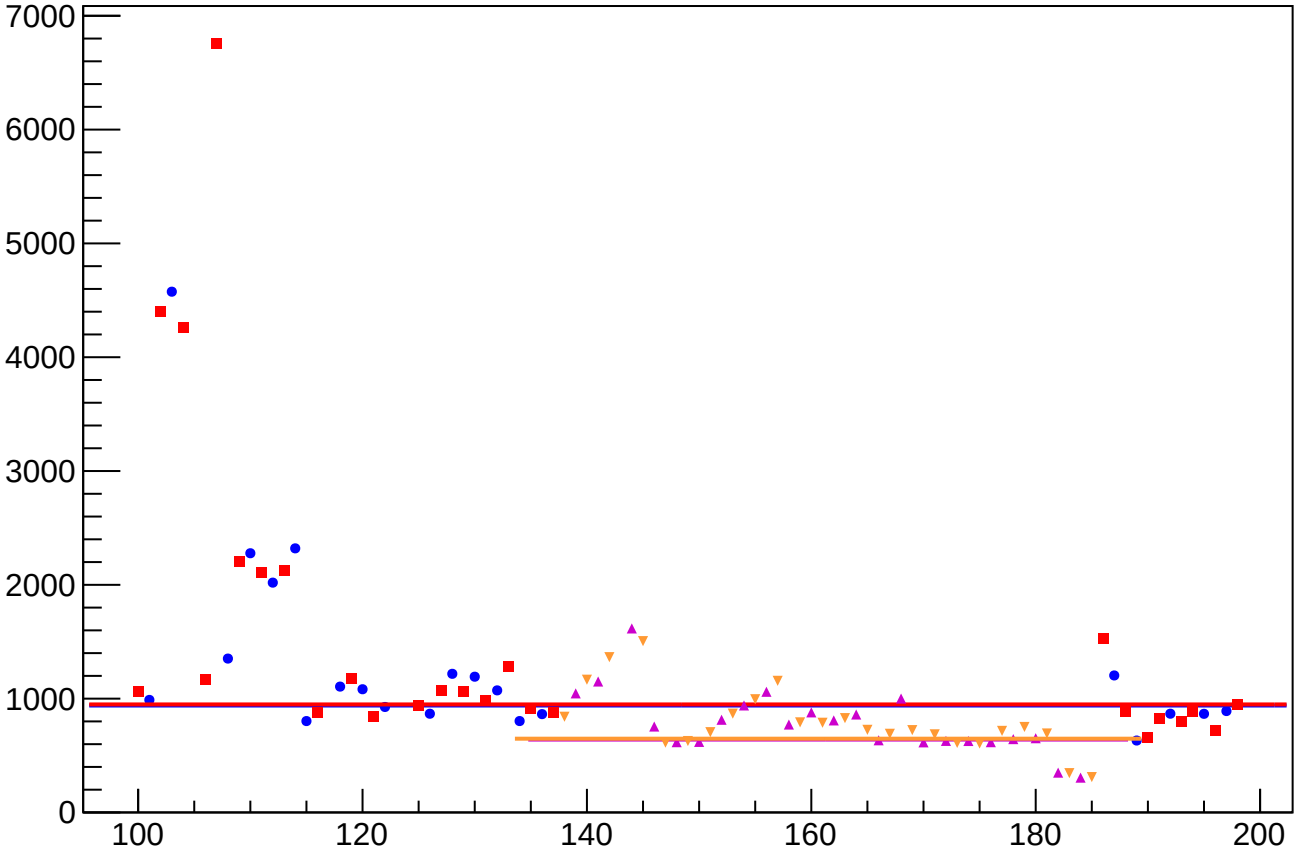
Right: 2528.947+/-0.374 χ^2/NDF: 763107.6/46

In: 2415.988+/-0.318 χ^2/NDF:302087.4/43

Out: 2435.668+/-0.310 χ^2/NDF:588731.1/49

All: 2426.084+/-0.222 χ^2/NDF: 892782.5/93


asym_atl1_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 215.621+/-304.747 χ²/NDF: 16.4/20
Left Out: 325.955+/-160.041 χ²/NDF:26.8/23
Right Out: -548.619+/-289.313 χ²/NDF: 23.9/25
Left In: 59.619+/-159.669 χ²/NDF:22.7/22
Left: 192.477+/-113.035 χ²/NDF: 50.9/46
Right: -186.341+/-209.820 χ²/NDF: 43.5/46
In: 93.219+/-141.433 χ²/NDF:39.3/43
Out: 121.037+/-140.042 χ²/NDF:57.7/49
All: 107.266+/-99.513 χ²/NDF: 96.9/93



Right In: 939.748+/-0.215 χ^2/NDF: 1943111.4/20

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 949.127+/-0.205 χ^2/NDF: 3300574.4/25

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

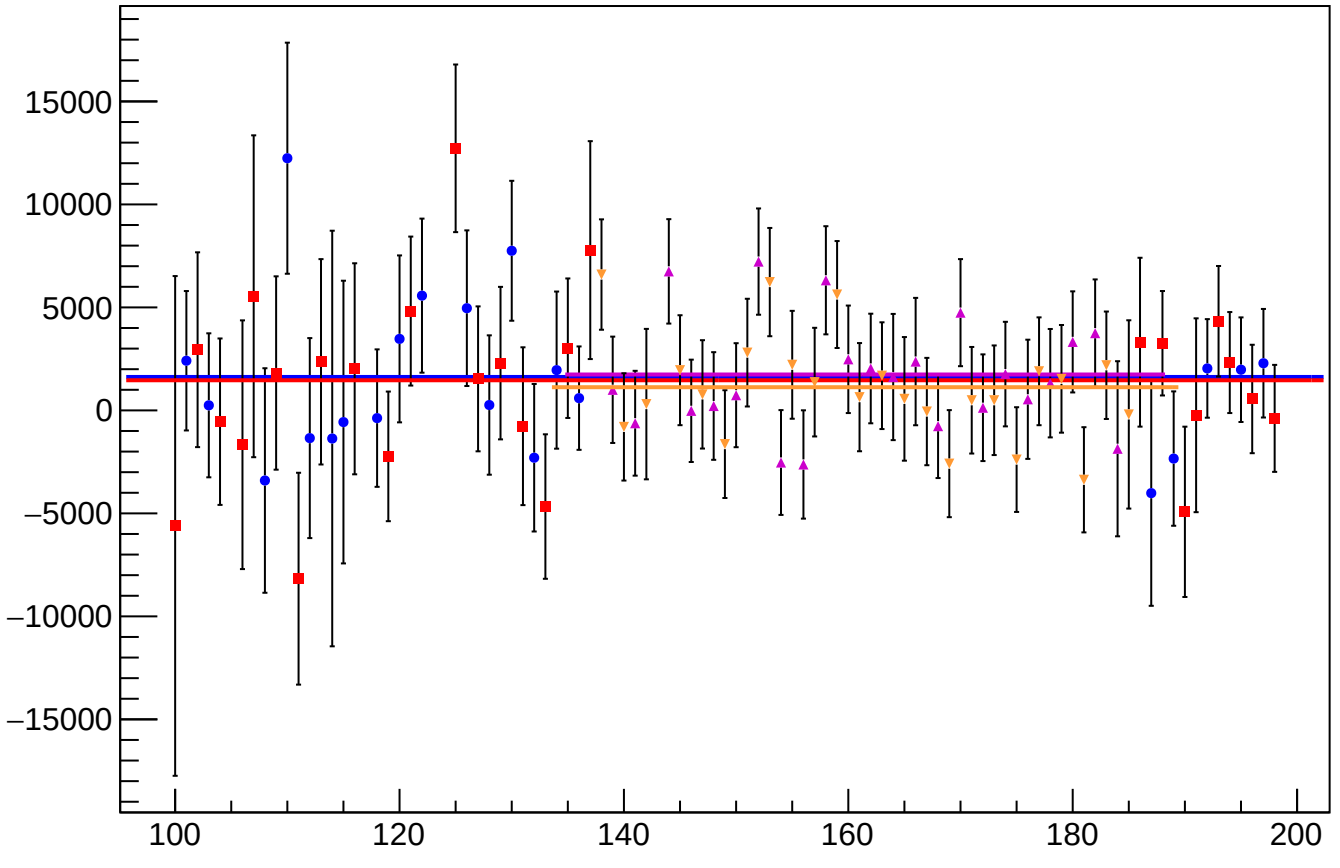
Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

Right: 944.681+/-0.148 χ^2/NDF: 5244682.2/46

In: 704.893+/-0.100 χ^2/NDF:7585761.1/43

Out: 718.633+/-0.099 χ^2/NDF:8845465.5/49

All: 711.831+/-0.070 χ^2/NDF: 16440757.5/93



Right In: 1623.288+/-771.291 χ^2/NDF: 15.1/20

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1462.861+/-725.767 χ^2/NDF: 24.9/25

Left In: 1742.305+/-553.755 χ^2/NDF:23.8/22

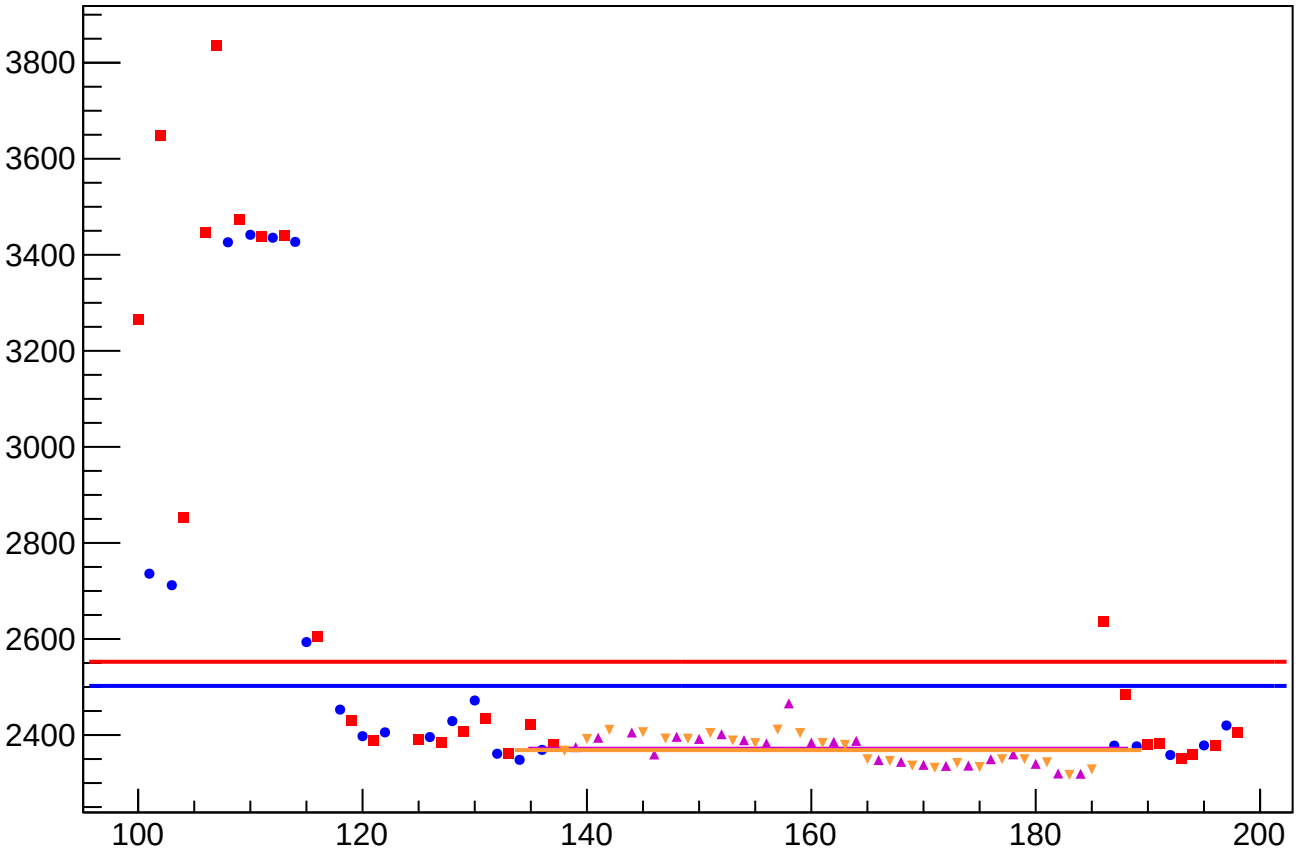
Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

Right: 1538.200+/-528.556 χ^2/NDF: 40.0/46

In: 1701.823+/-449.826 χ^2/NDF:38.9/43

Out: 1248.559+/-438.265 χ^2/NDF:46.2/49

All: 1469.292+/-313.908 χ^2/NDF: 85.6/93



Right In: 2502.258+/-0.545 χ^2/NDF: 257113.6/20

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2552.577+/-0.513 χ^2/NDF: 501477.9/25

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

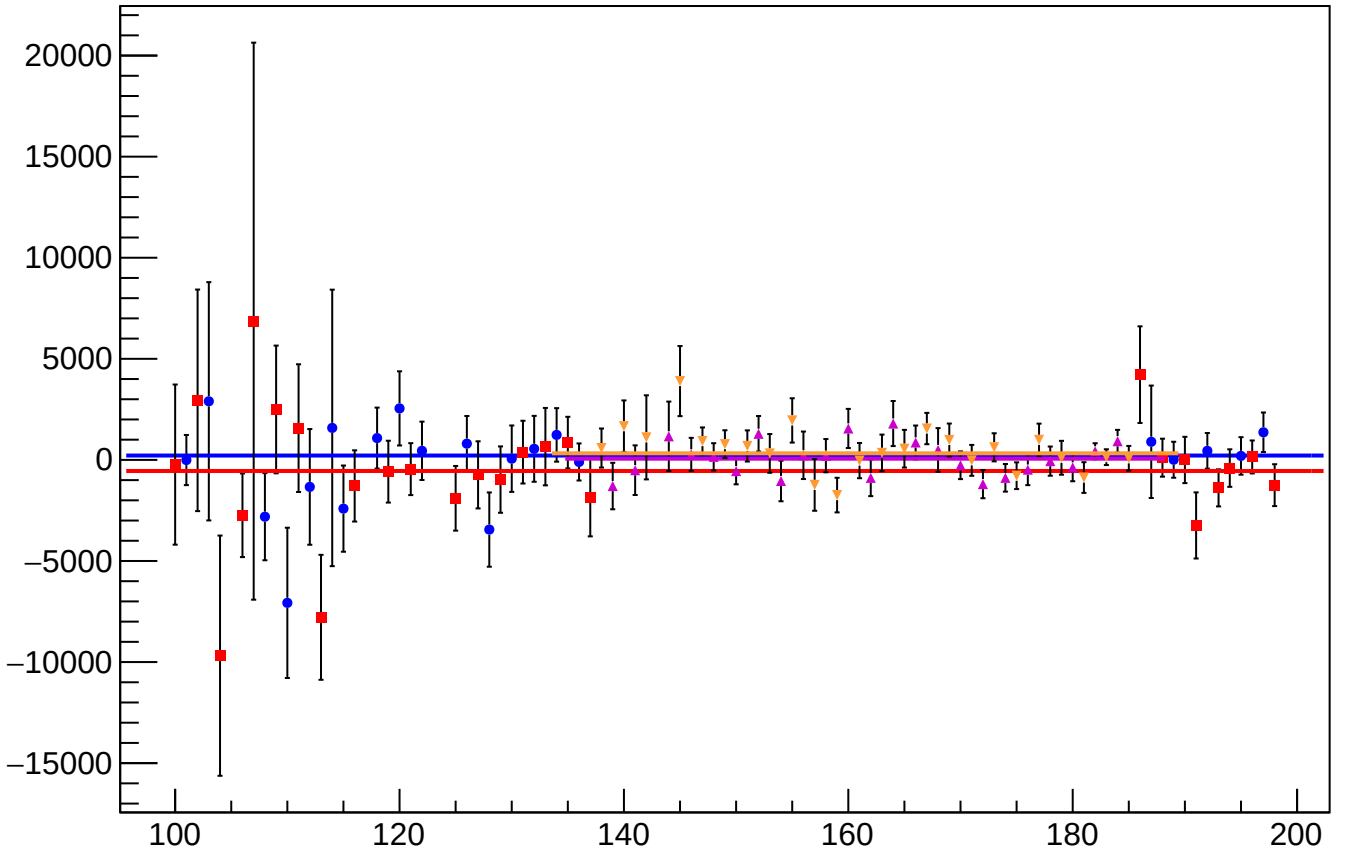
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

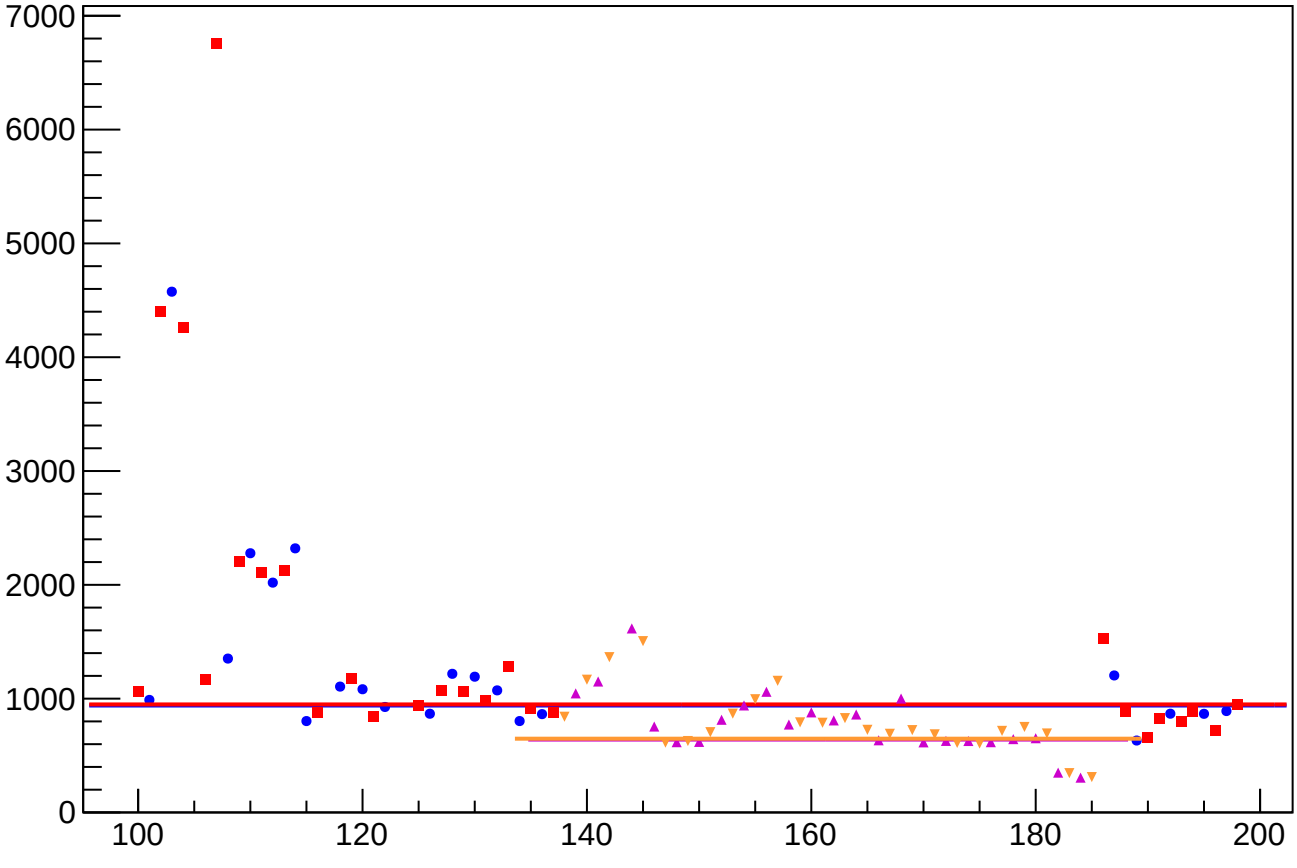
Right: 2528.946+/-0.374 χ^2/NDF: 763106.4/46

In: 2415.987+/-0.318 χ^2/NDF:302086.9/43

Out: 2435.668+/-0.310 χ^2/NDF:588730.1/49

All: 2426.084+/-0.222 χ^2/NDF: 892781.0/93


asym_atl1_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 215.620+/-304.747 χ²/NDF: 16.4/20
Left Out: 325.955+/-160.042 χ²/NDF:26.8/23
Right Out: -548.620+/-289.313 χ²/NDF: 23.9/25
Left In: 59.619+/-159.670 χ²/NDF:22.7/22
Left: 192.477+/-113.035 χ²/NDF: 50.9/46
Right: -186.342+/-209.820 χ²/NDF: 43.5/46
In: 93.220+/-141.433 χ²/NDF:39.3/43
Out: 121.036+/-140.043 χ²/NDF:57.7/49
All: 107.265+/-99.513 χ²/NDF: 96.9/93



Right In: 939.747+/-0.215 χ^2/NDF: 1943109.7/20

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 949.127+/-0.205 χ^2/NDF: 3300572.9/25

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

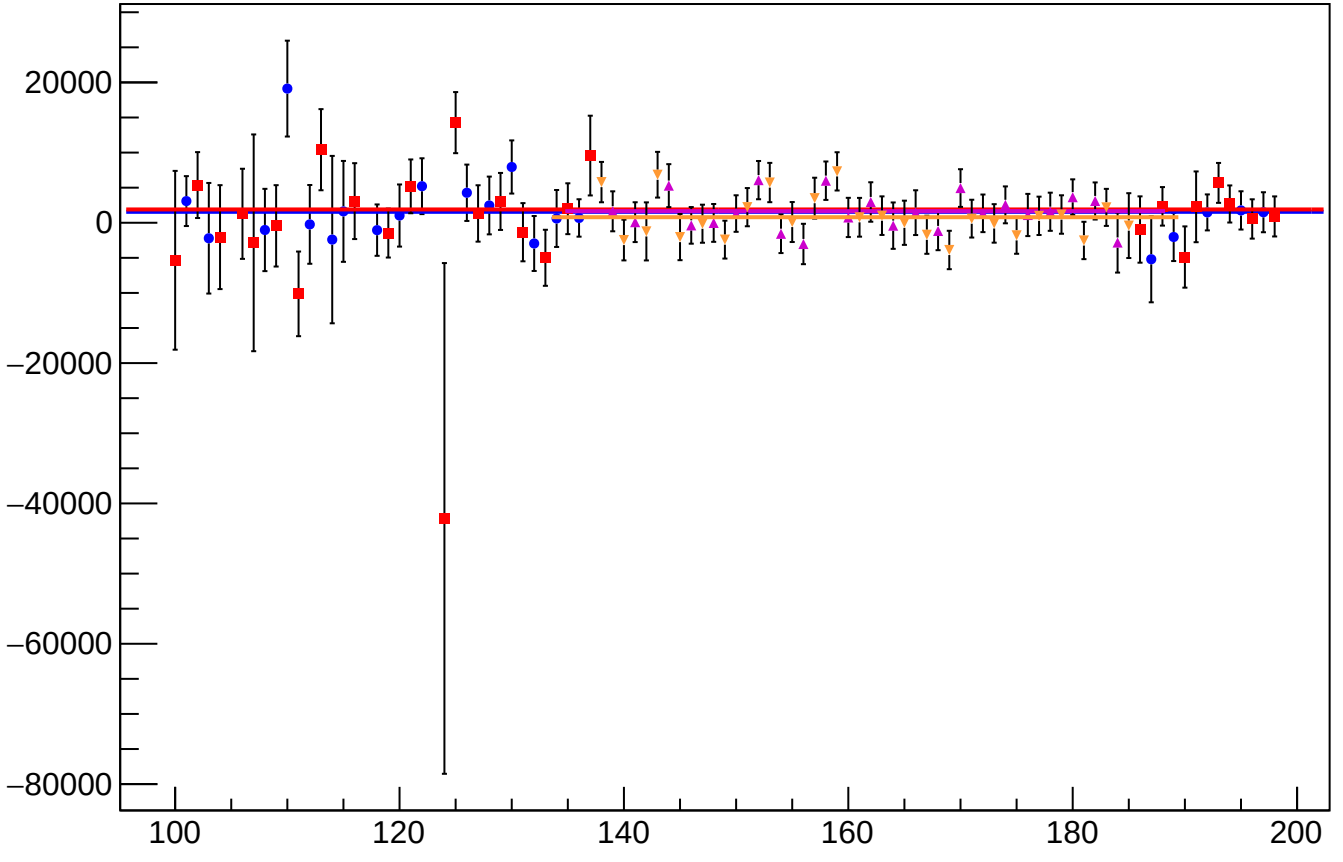
Right: 944.681+/-0.148 χ^2/NDF: 5244679.0/46

In: 704.893+/-0.100 χ^2/NDF:7585761.9/43

Out: 718.633+/-0.099 χ^2/NDF:8845461.2/49

All: 711.831+/-0.070 χ^2/NDF: 16440754.2/93

asym_atl1_mean vs Slug, Sign Corrected



Right In: 1559.385+/-854.007 χ^2/NDF: 15.9/20

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: 1896.831+/-800.671 χ^2/NDF: 29.4/26

Left In: 1654.626+/-586.767 χ^2/NDF:17.3/22

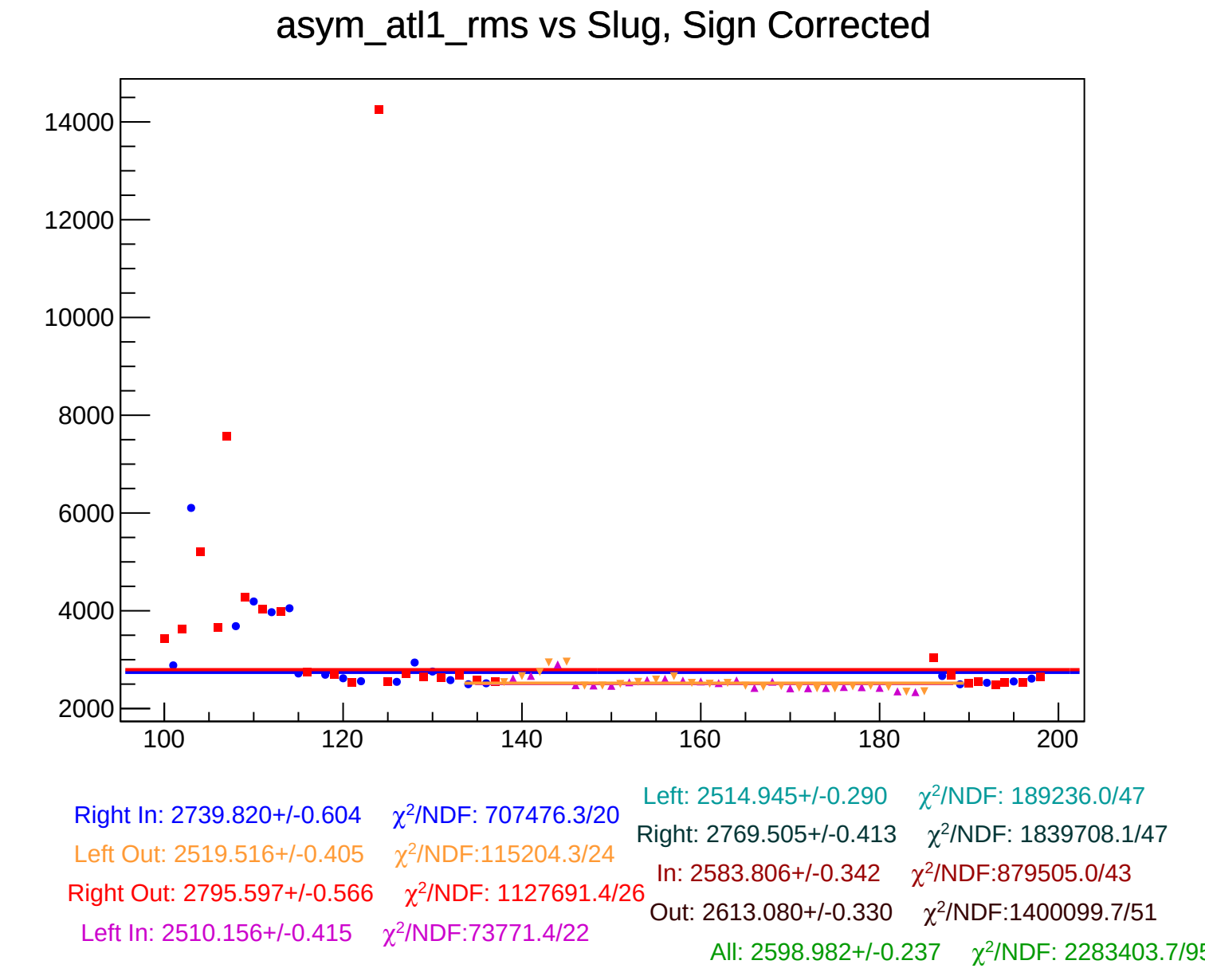
Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

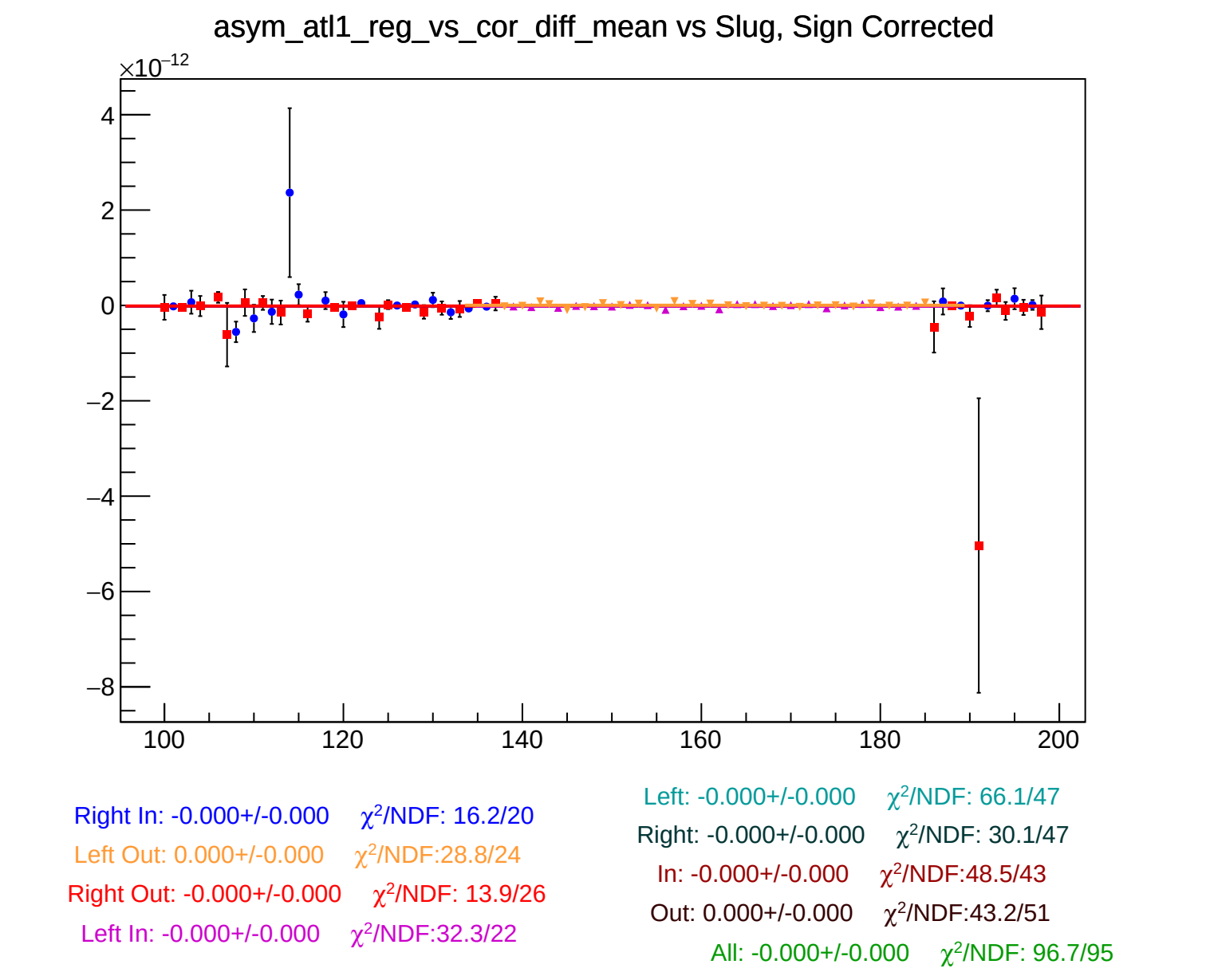
Right: 1738.974+/-584.106 χ^2/NDF: 45.4/47

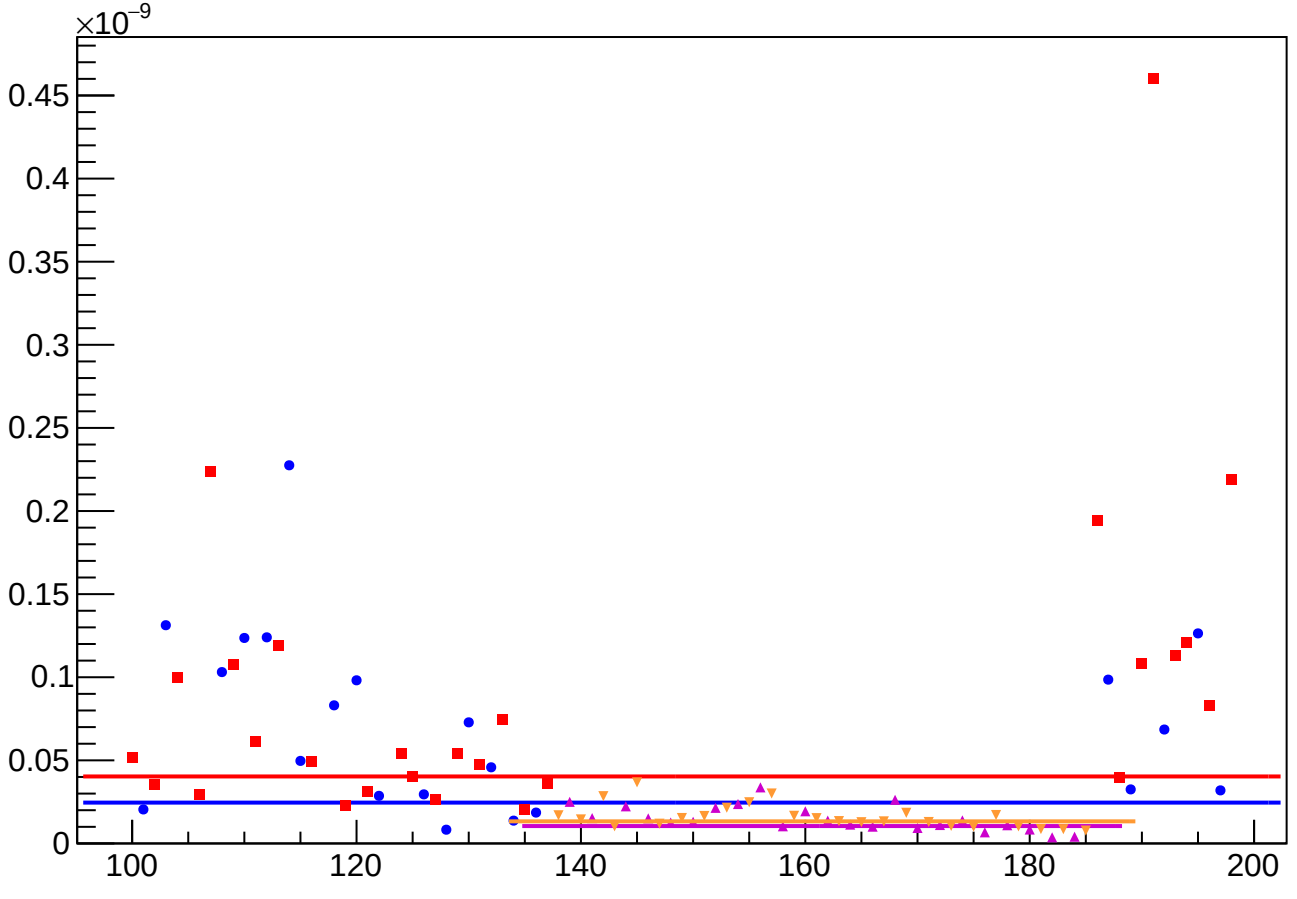
In: 1624.084+/-483.617 χ^2/NDF:33.3/43

Out: 1166.055+/-466.112 χ^2/NDF:57.7/51

All: 1386.630+/-335.609 χ^2/NDF: 91.5/95


asym_atl1_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 2739.820+/-0.604 χ²/NDF: 707476.3/20
Left Out: 2519.516+/-0.405 χ²/NDF:115204.3/24
Right Out: 2795.597+/-0.566 χ²/NDF: 1127691.4/26
Left In: 2510.156+/-0.415 χ²/NDF:73771.4/22
Left: 2514.945+/-0.290 χ²/NDF: 189236.0/47
Right: 2769.505+/-0.413 χ²/NDF: 1839708.1/47
In: 2583.806+/-0.342 χ²/NDF:879505.0/43
Out: 2613.080+/-0.330 χ²/NDF:1400099.7/51
All: 2598.982+/-0.237 χ²/NDF: 2283403.7/95


asym_atl1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 16.2/20
Left Out: 0.000+/-0.000 χ²/NDF:28.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 13.9/26
Left In: -0.000+/-0.000 χ²/NDF:32.3/22
Left: -0.000+/-0.000 χ²/NDF: 66.1/47
Right: -0.000+/-0.000 χ²/NDF: 30.1/47
In: -0.000+/-0.000 χ²/NDF:48.5/43
Out: 0.000+/-0.000 χ²/NDF:43.2/51
All: -0.000+/-0.000 χ²/NDF: 96.7/95



Right In: 0.000+/-0.000 χ^2/NDF: 3277047.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3095217.7/26

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

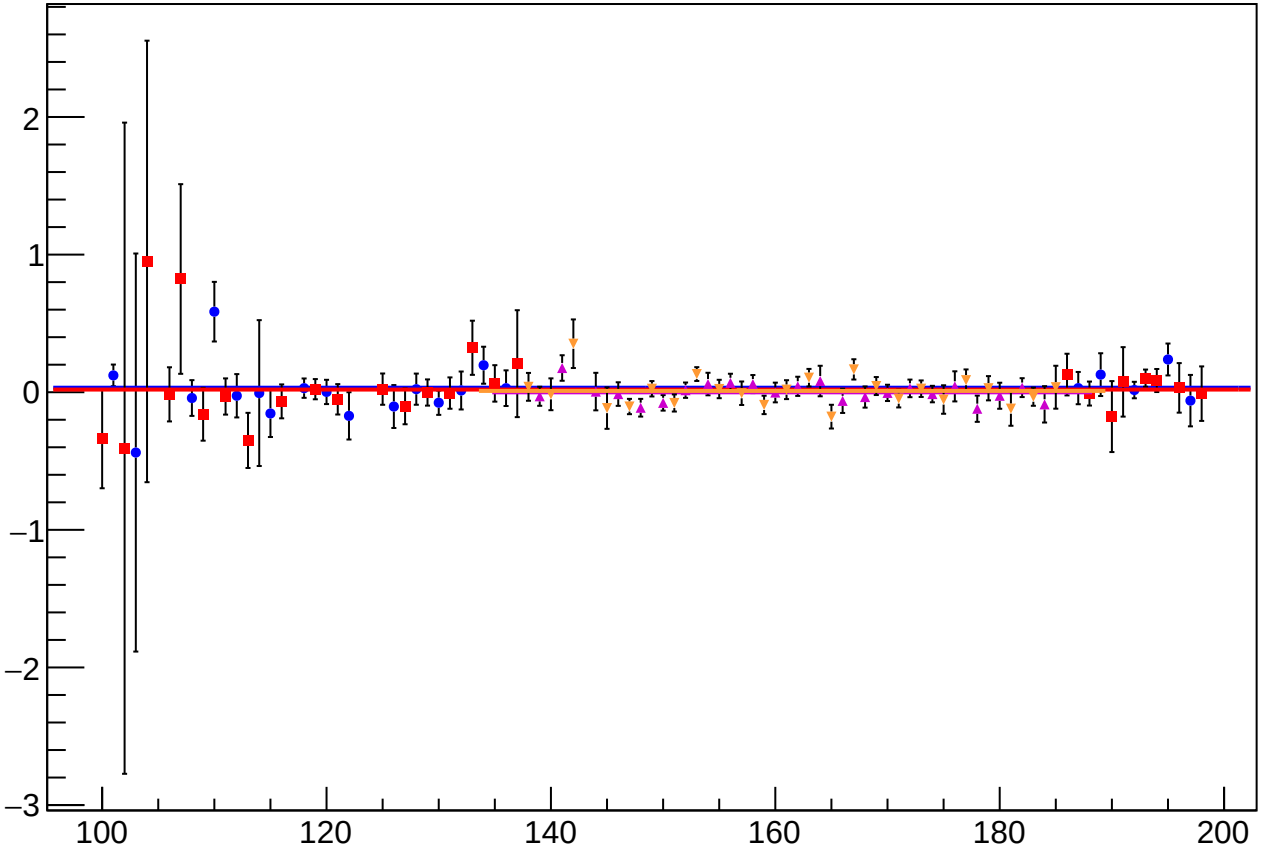
Right: 0.000+/-0.000 χ^2/NDF: 7032002.1/47

In: 0.000+/-0.000 χ^2/NDF:7480534.9/43

Out: 0.000+/-0.000 χ^2/NDF:7401050.5/51

All: 0.000+/-0.000 χ^2/NDF: 15301237.9/95

asym_atl1_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.033+/-0.025 χ^2/NDF: 18.8/20

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.019+/-0.025 χ^2/NDF: 15.5/25

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

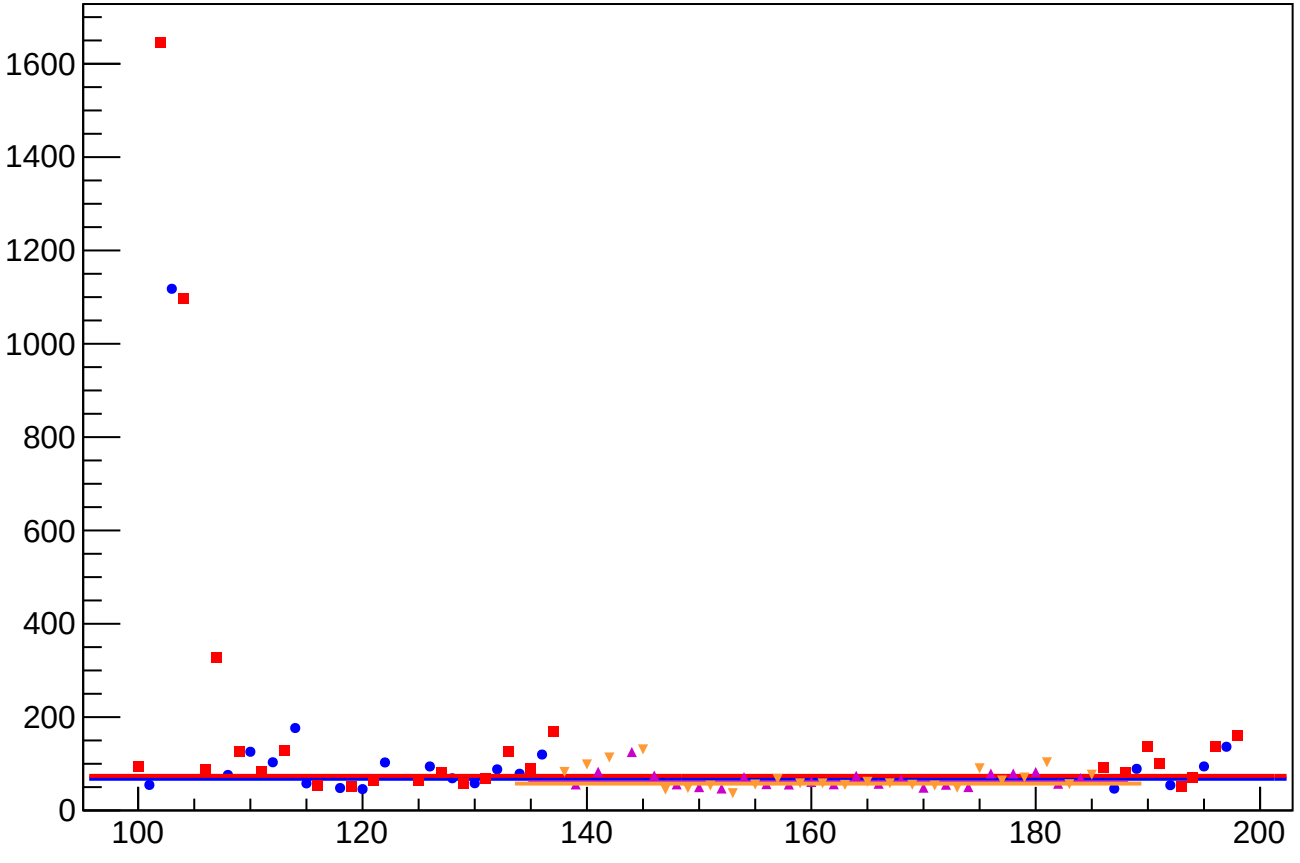
Right: 0.026+/-0.018 χ^2/NDF: 34.4/46

In: 0.009+/-0.013 χ^2/NDF:35.6/43

Out: 0.012+/-0.013 χ^2/NDF:50.3/49

All: 0.010+/-0.009 χ^2/NDF: 86.0/93

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.912+/-0.018 χ^2/NDF: 2860663.4/20

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 74.116+/-0.018 χ^2/NDF: 4002884.6/25

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

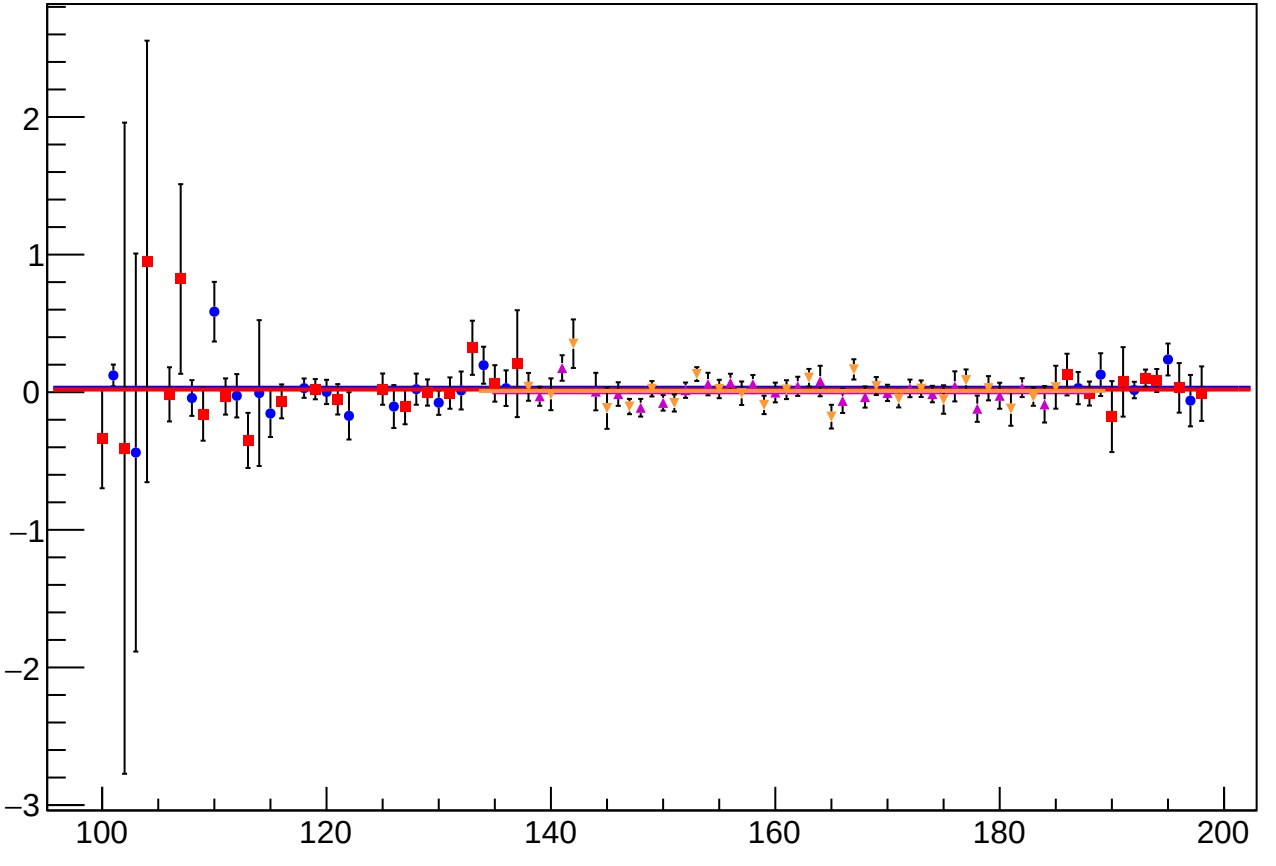
Right: 70.973+/-0.013 χ^2/NDF: 6924175.2/46

In: 62.067+/-0.009 χ^2/NDF:4352226.7/43

Out: 61.929+/-0.009 χ^2/NDF:6841555.2/49

All: 61.997+/-0.007 χ^2/NDF: 11193893.4/93

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.033+/-0.025 χ^2/NDF: 18.8/20

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.019+/-0.025 χ^2/NDF: 15.5/25

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

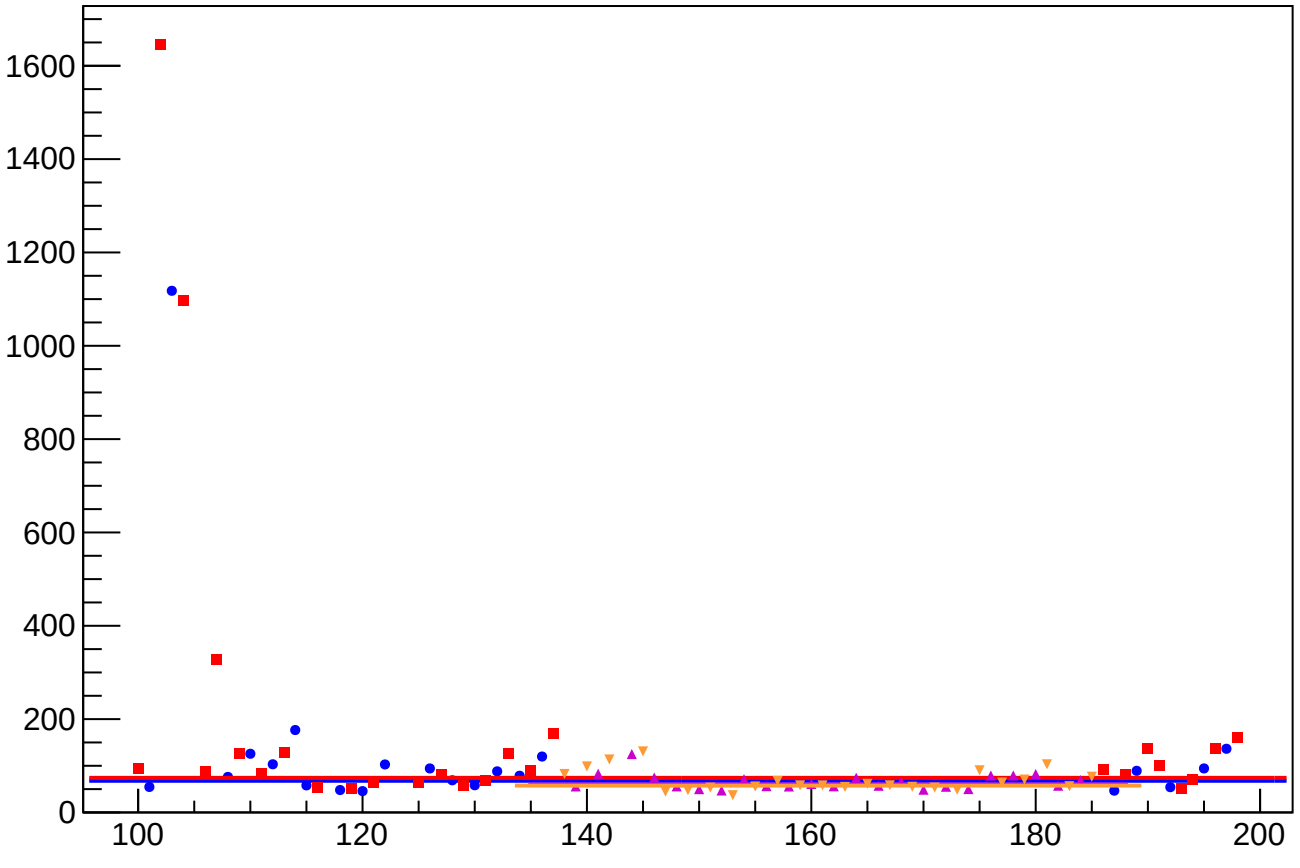
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.026+/-0.018 χ^2/NDF: 34.4/46

In: 0.009+/-0.013 χ^2/NDF:35.6/43

Out: 0.012+/-0.013 χ^2/NDF:50.3/49

All: 0.010+/-0.009 χ^2/NDF: 86.0/93



Right In: 67.912+/-0.018 χ^2/NDF: 2860663.4/20

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 74.116+/-0.018 χ^2/NDF: 4002884.6/25

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

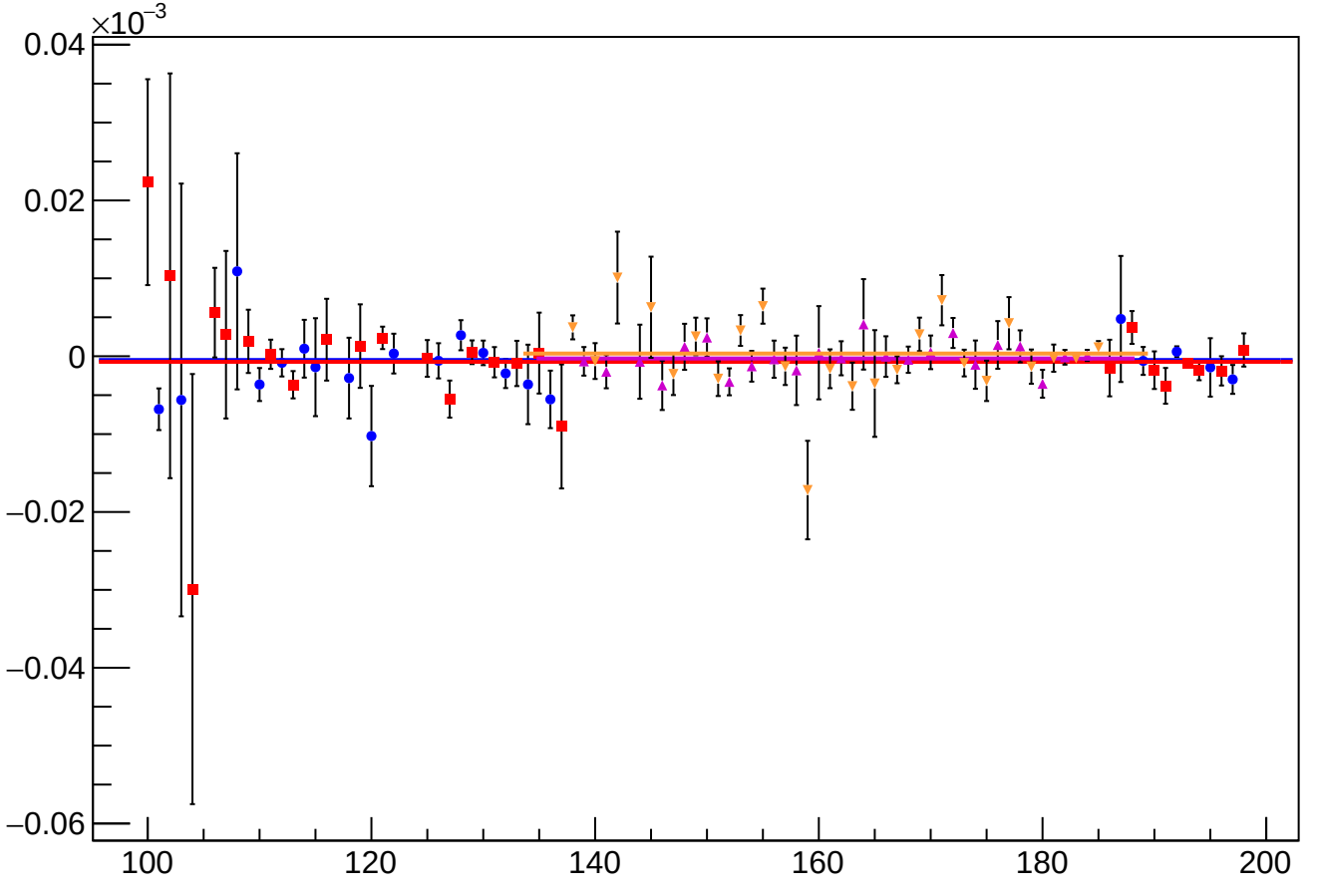
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 70.973+/-0.013 χ^2/NDF: 6924175.2/46

In: 62.067+/-0.009 χ^2/NDF:4352226.7/43

Out: 61.929+/-0.009 χ^2/NDF:6841555.2/49

All: 61.997+/-0.007 χ^2/NDF: 11193893.4/93



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.3/25

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

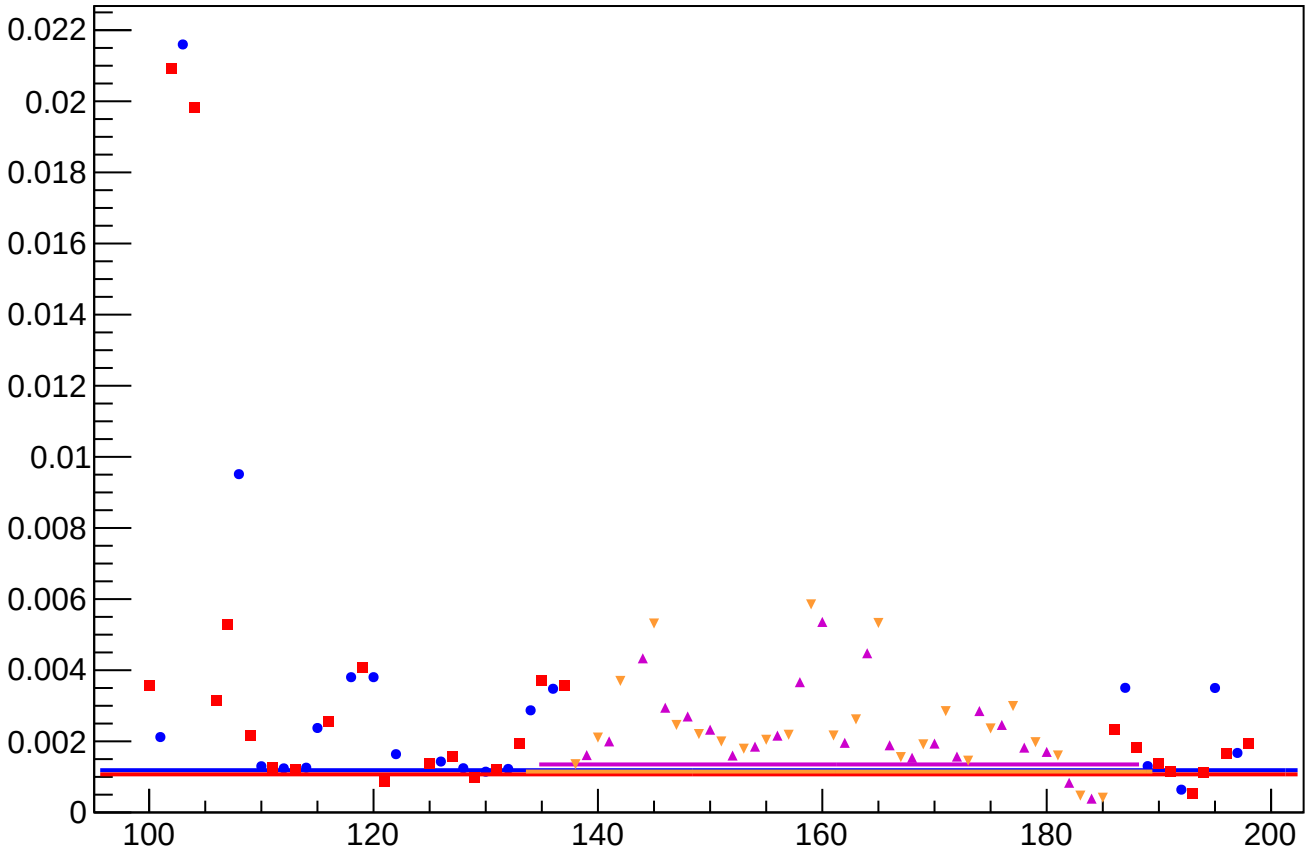
Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

Right: -0.000+/-0.000 χ^2/NDF: 50.5/46

In: -0.000+/-0.000 χ^2/NDF:37.1/43

Out: -0.000+/-0.000 χ^2/NDF:79.4/49

All: -0.000+/-0.000 χ^2/NDF: 116.9/93



Right In: 0.001+/-0.000 χ^2/NDF: 6265650.4/20

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 7452271.7/25

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

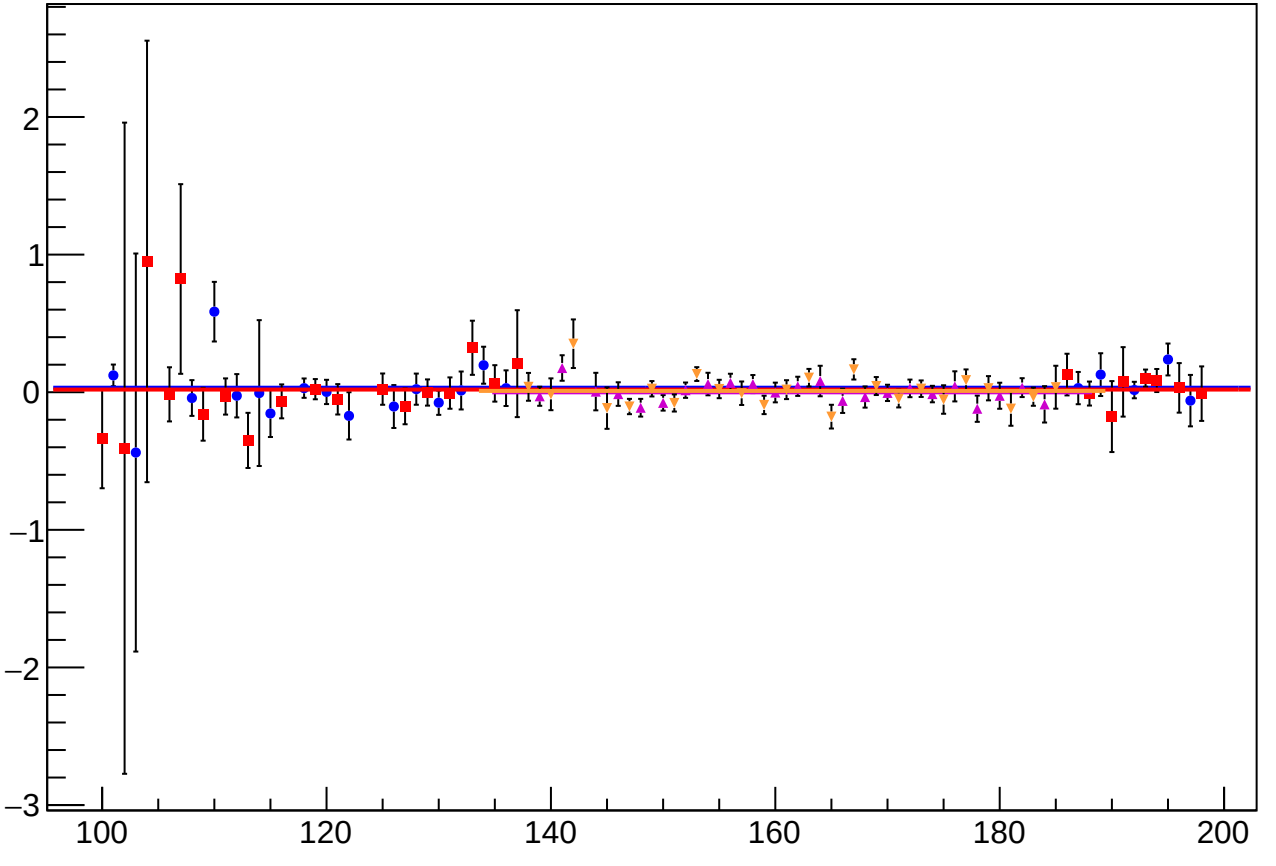
Right: 0.001+/-0.000 χ^2/NDF: 13798757.0/46

In: 0.001+/-0.000 χ^2/NDF:16665721.9/43

Out: 0.001+/-0.000 χ^2/NDF:20742623.2/49

All: 0.001+/-0.000 χ^2/NDF: 37784038.0/93

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.033+/-0.025 χ^2/NDF: 18.8/20

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.019+/-0.025 χ^2/NDF: 15.5/25

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

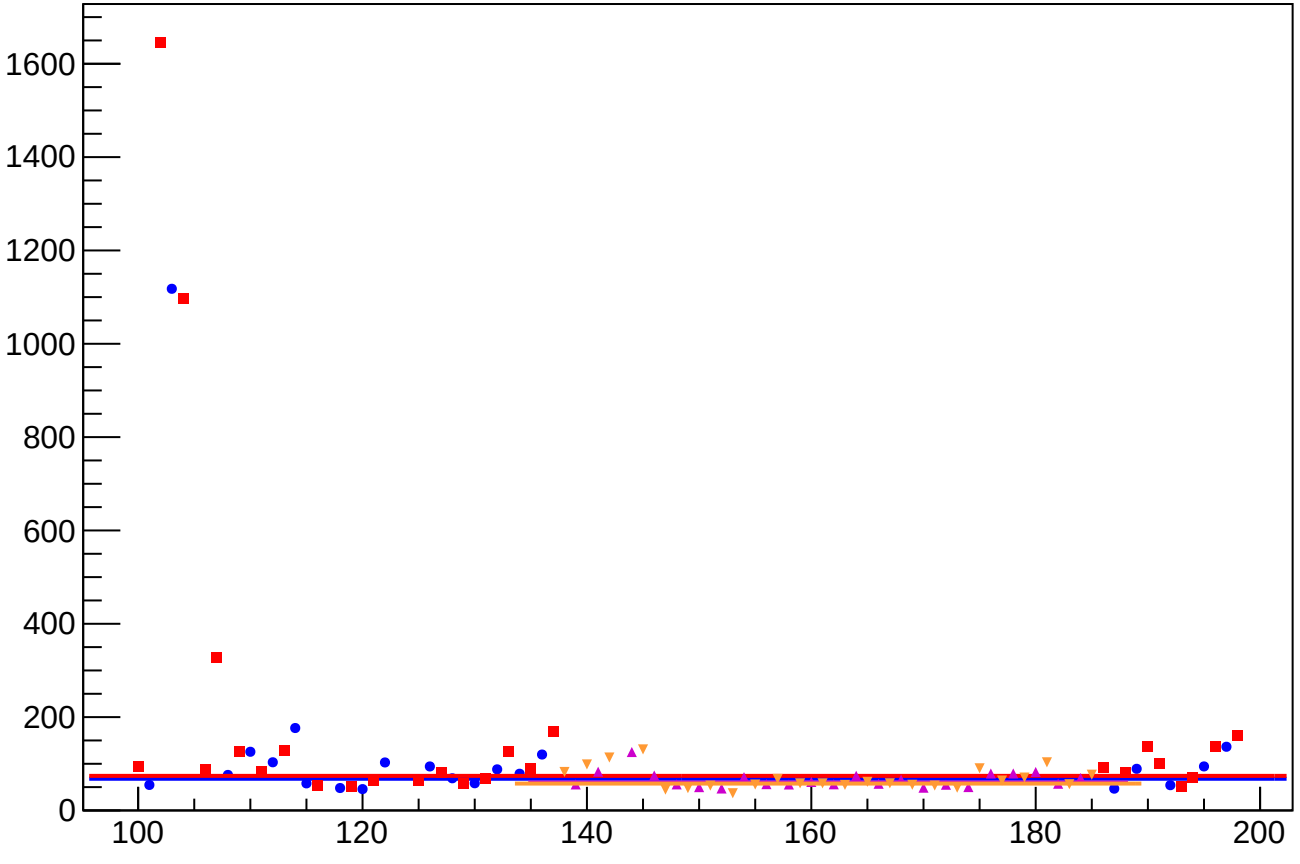
Right: 0.026+/-0.018 χ^2/NDF: 34.4/46

In: 0.009+/-0.013 χ^2/NDF:35.6/43

Out: 0.012+/-0.013 χ^2/NDF:50.3/49

All: 0.010+/-0.009 χ^2/NDF: 86.0/93

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.911+/-0.018 χ^2/NDF: 2860784.6/20

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 74.116+/-0.018 χ^2/NDF: 4002902.9/25

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

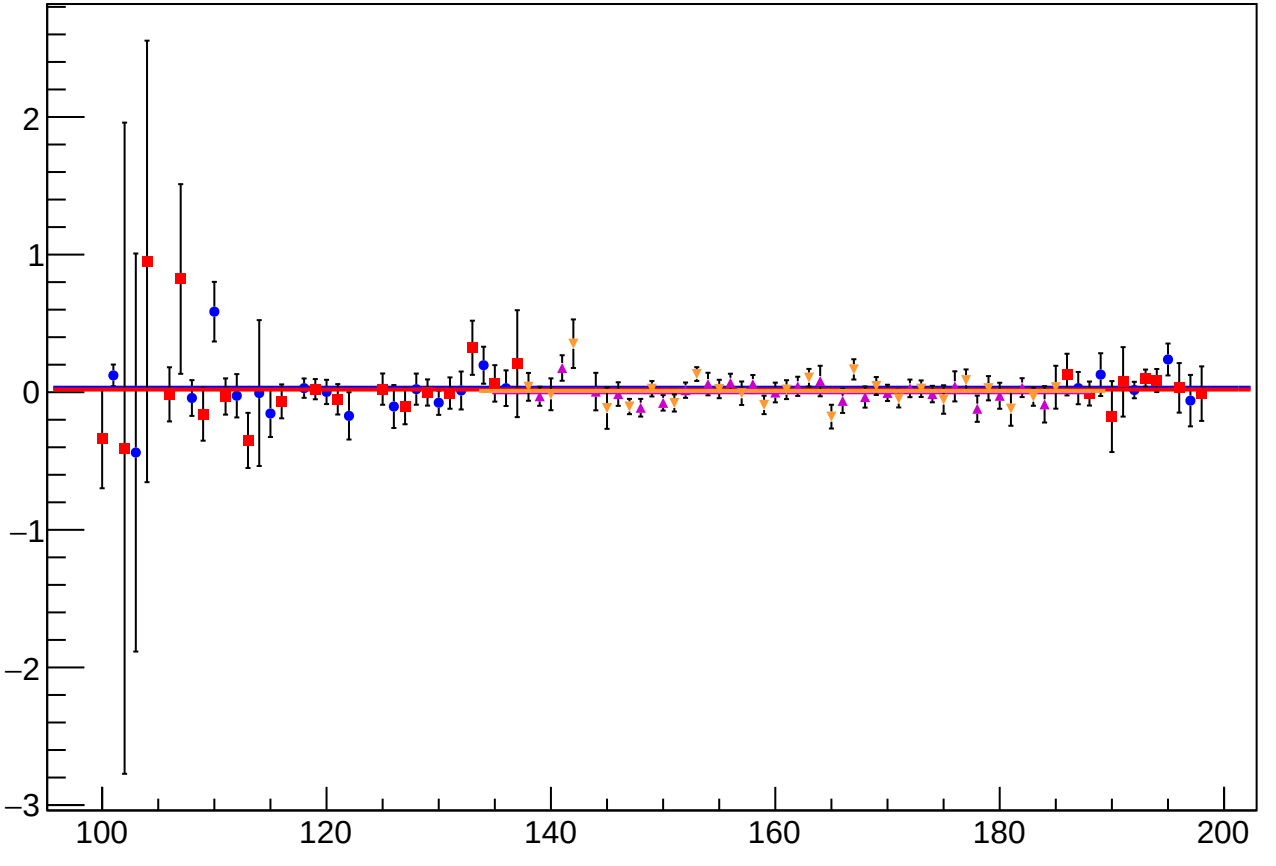
Right: 70.972+/-0.013 χ^2/NDF: 6924323.0/46

In: 62.067+/-0.009 χ^2/NDF:4352296.9/43

Out: 61.929+/-0.009 χ^2/NDF:6841618.7/49

All: 61.997+/-0.007 χ^2/NDF: 11194027.1/93

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.033+/-0.025 χ^2/NDF: 18.8/20

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.019+/-0.025 χ^2/NDF: 15.5/25

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

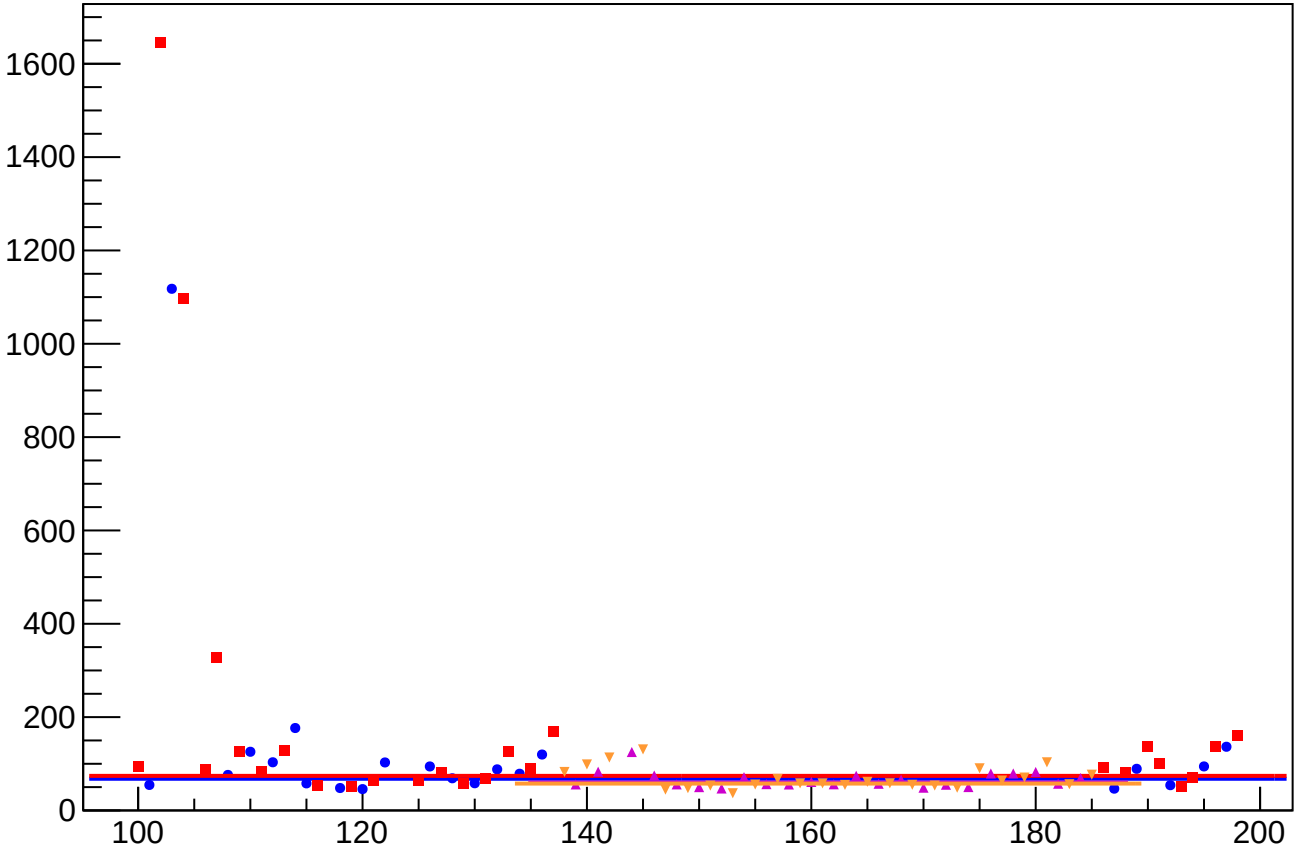
Right: 0.026+/-0.018 χ^2/NDF: 34.4/46

In: 0.009+/-0.013 χ^2/NDF:35.6/43

Out: 0.012+/-0.013 χ^2/NDF:50.3/49

All: 0.010+/-0.009 χ^2/NDF: 86.0/93

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.911+/-0.018 χ^2/NDF: 2860784.6/20

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 74.116+/-0.018 χ^2/NDF: 4002902.9/25

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

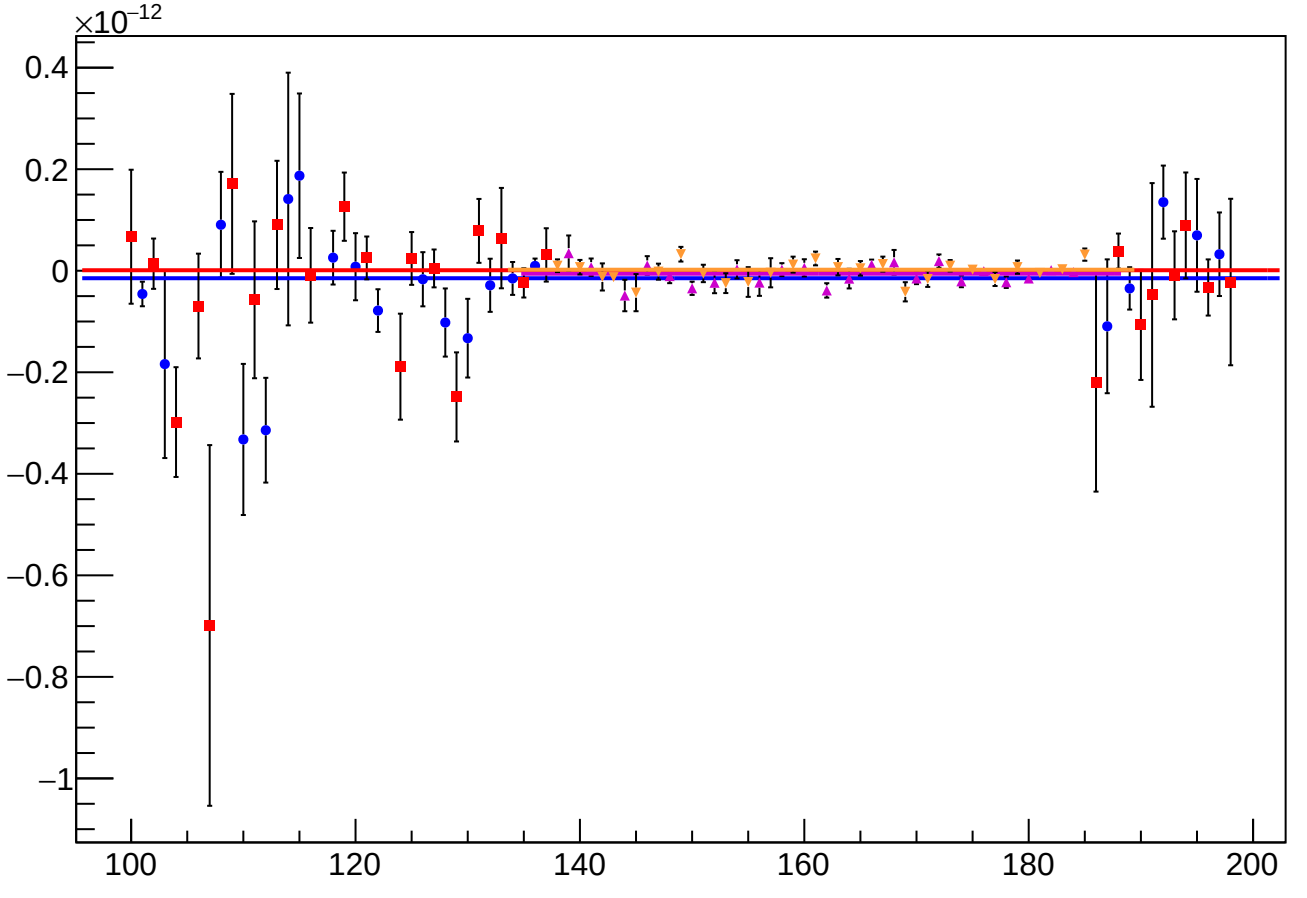
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 70.972+/-0.013 χ^2/NDF: 6924323.0/46

In: 62.067+/-0.009 χ^2/NDF:4352296.9/43

Out: 61.929+/-0.009 χ^2/NDF:6841618.7/49

All: 61.997+/-0.007 χ^2/NDF: 11194027.1/93



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.7/26

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

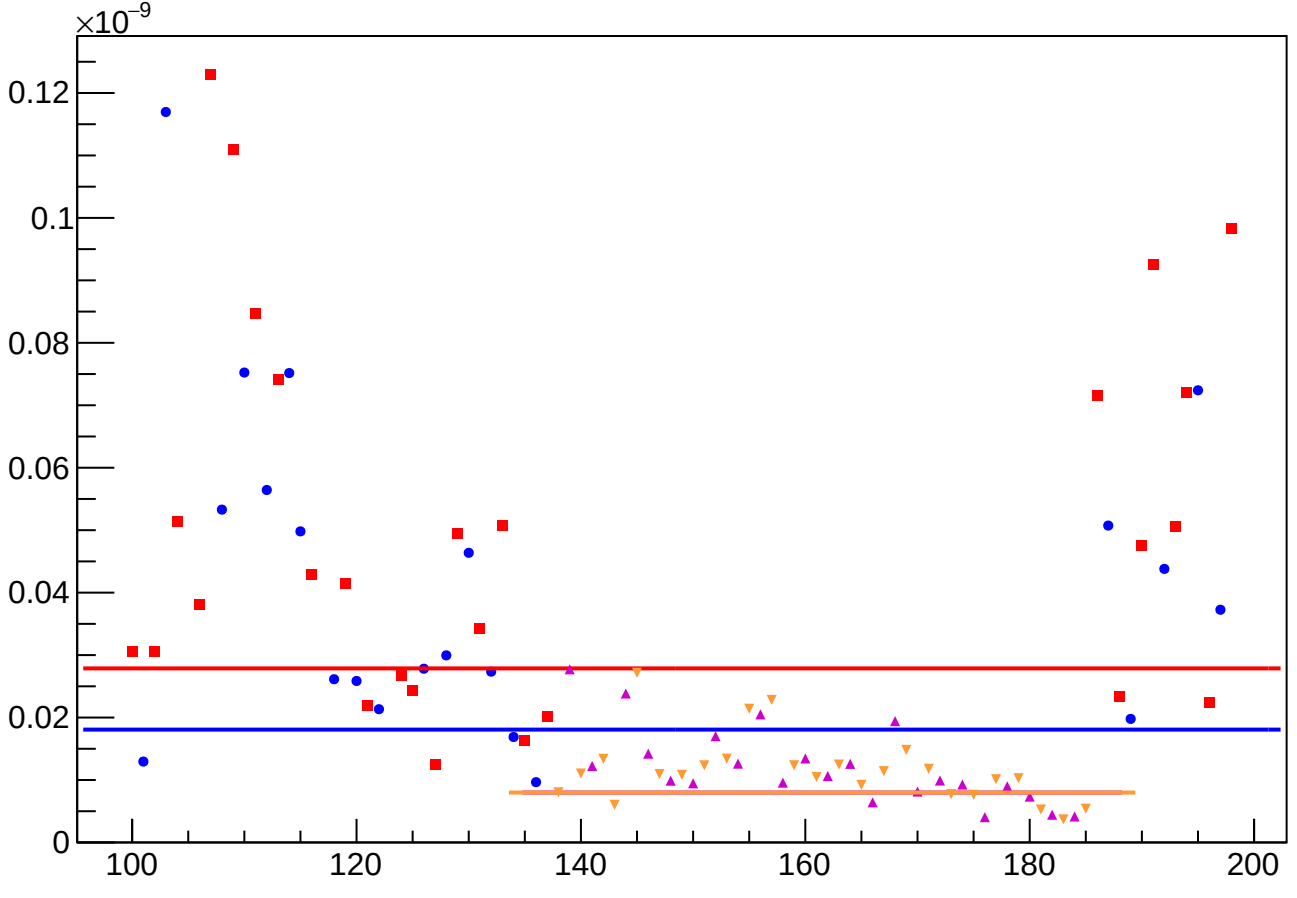
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 72.0/47

In: -0.000+/-0.000 χ^2/NDF:67.7/43

Out: 0.000+/-0.000 χ^2/NDF:68.6/51

All: -0.000+/-0.000 χ^2/NDF: 142.3/95



Right In: 0.000+/-0.000 χ^2/NDF: 3837199.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3615121.6/26

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

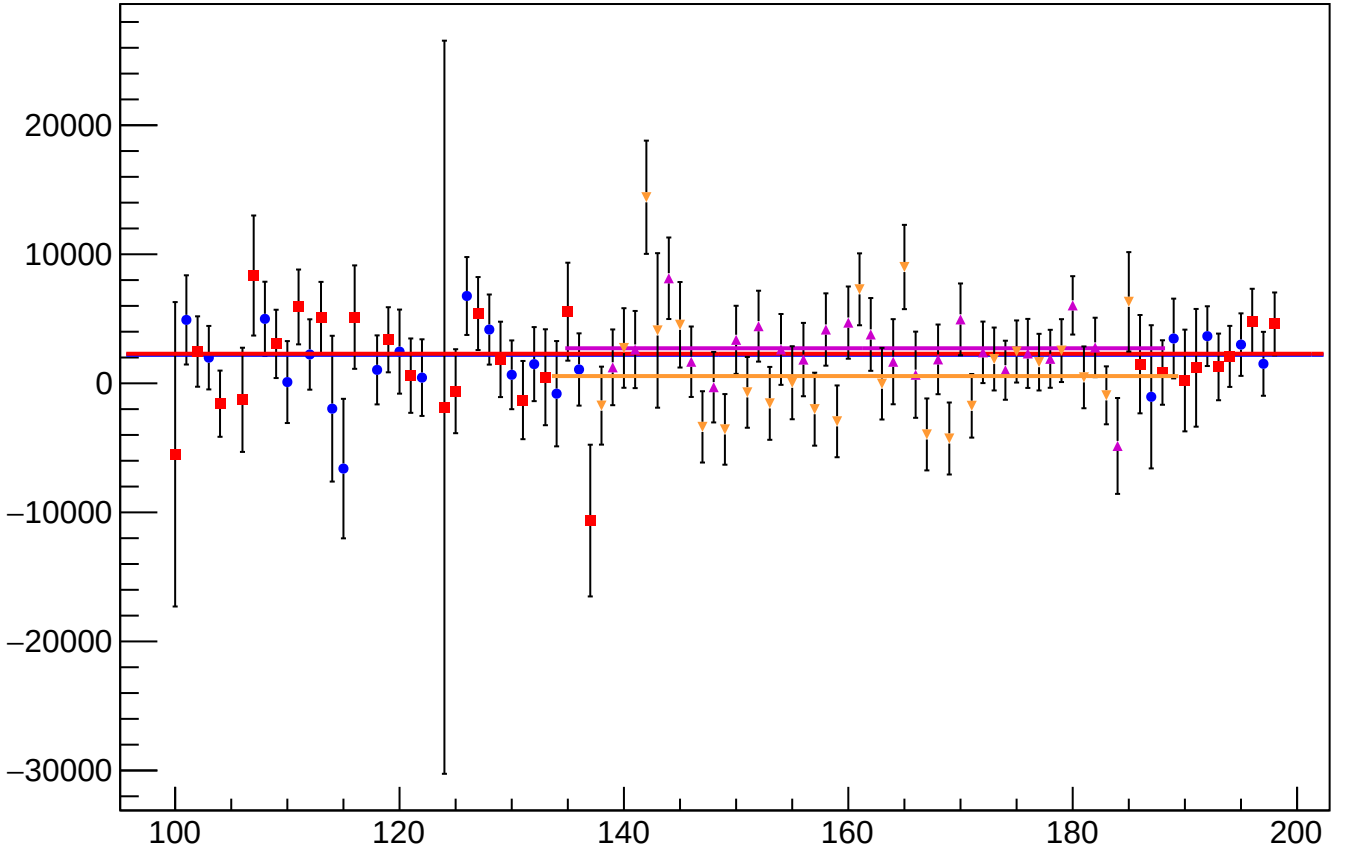
Right: 0.000+/-0.000 χ^2/NDF: 8237338.2/47

In: 0.000+/-0.000 χ^2/NDF:11125973.5/43

Out: 0.000+/-0.000 χ^2/NDF:13427341.9/51

All: 0.000+/-0.000 χ^2/NDF: 24554351.1/95

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2208.515+/-649.729 χ^2/NDF: 10.8/20

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: 2292.285+/-603.238 χ^2/NDF: 21.0/26

Left In: 2716.200+/-566.202 χ^2/NDF:14.3/22

Left: 1622.262+/-397.186 χ^2/NDF: 65.6/47

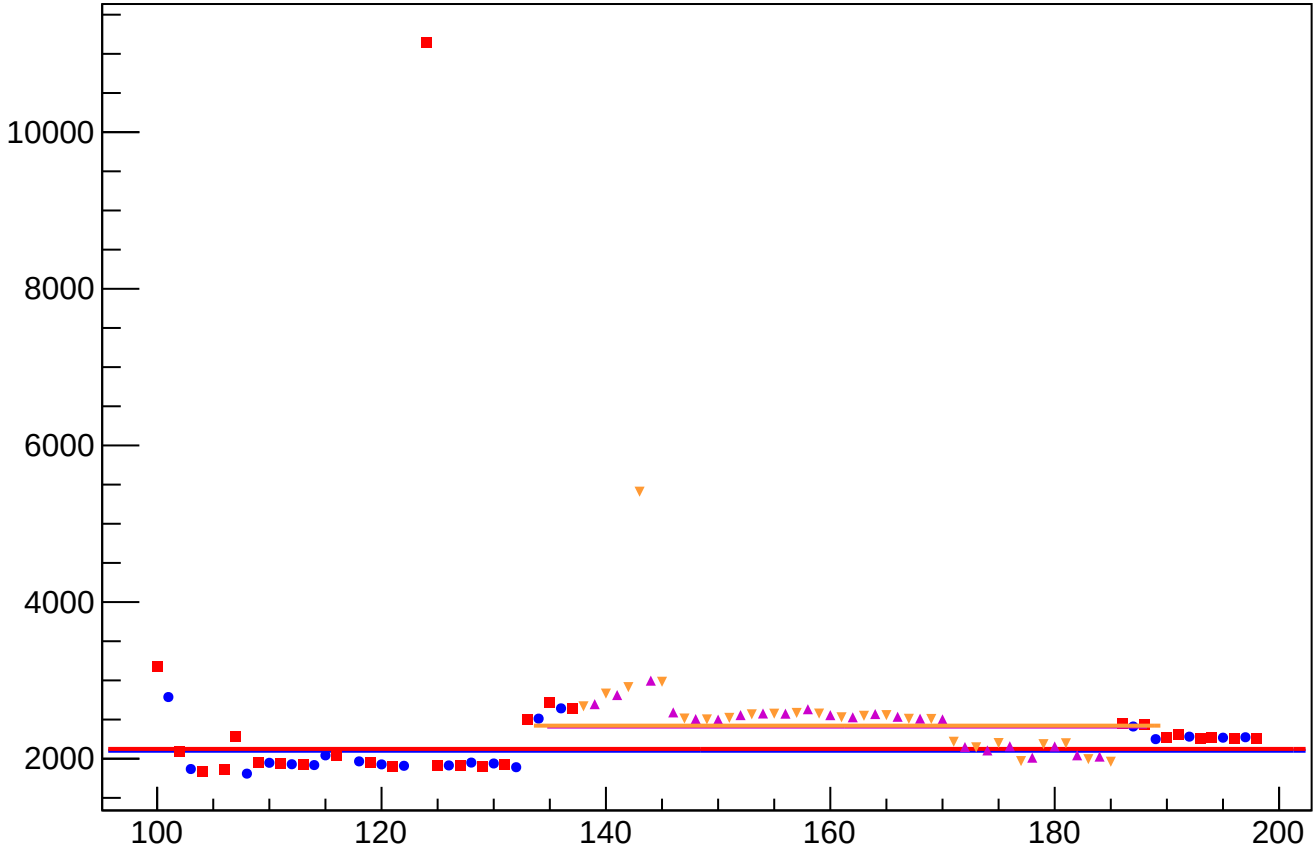
Right: 2253.504+/-442.077 χ^2/NDF: 31.7/47

In: 2497.069+/-426.862 χ^2/NDF:25.4/43

Out: 1358.995+/-409.355 χ^2/NDF:69.3/51

All: 1904.216+/-295.453 χ^2/NDF: 98.4/95

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2101.757+/-0.459 χ^2/NDF: 320699.4/20

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2125.253+/-0.427 χ^2/NDF: 505328.2/26

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

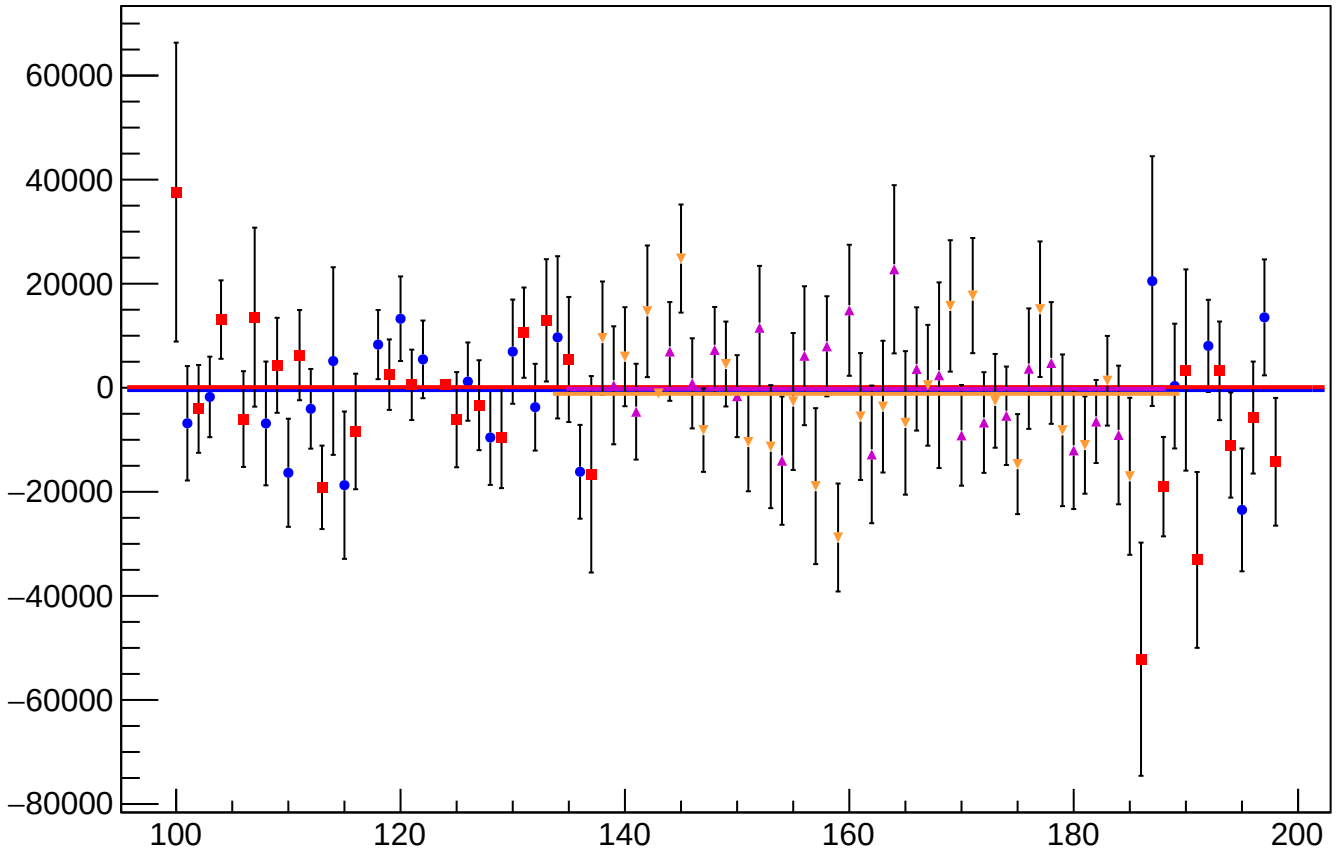
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2114.375+/-0.313 χ^2/NDF: 827432.3/47

In: 2276.851+/-0.302 χ^2/NDF:1004613.8/43

Out: 2285.432+/-0.289 χ^2/NDF:1719562.9/51

All: 2281.321+/-0.209 χ^2/NDF: 2724597.7/95



Right In: -444.238+/-2088.336 χ^2/NDF: 22.4/20

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: 119.110+/-756.045 χ^2/NDF: 35.0/26

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

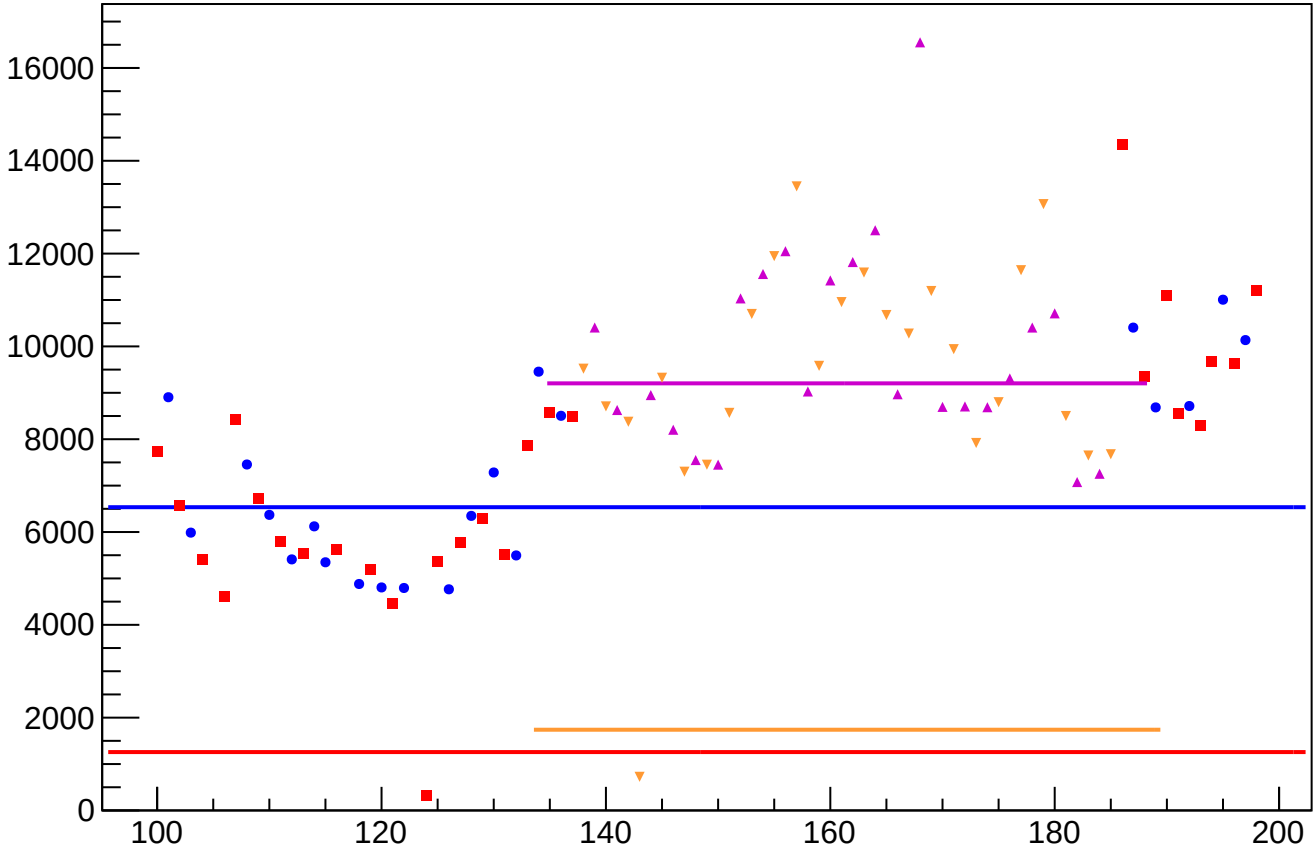
Right: 53.830+/-710.891 χ^2/NDF: 57.5/47

In: -332.788+/-1512.999 χ^2/NDF:35.9/43

Out: -518.073+/-535.223 χ^2/NDF:68.4/51

All: -497.466+/-504.582 χ^2/NDF: 104.3/95

asym_atl2_reg_correction_rms vs Slug, Sign Corrected



Right In: 6534.945+/-1.477 χ^2/NDF: 1549740.8/20

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1258.081+/-0.535 χ^2/NDF: 19690349.5/26

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

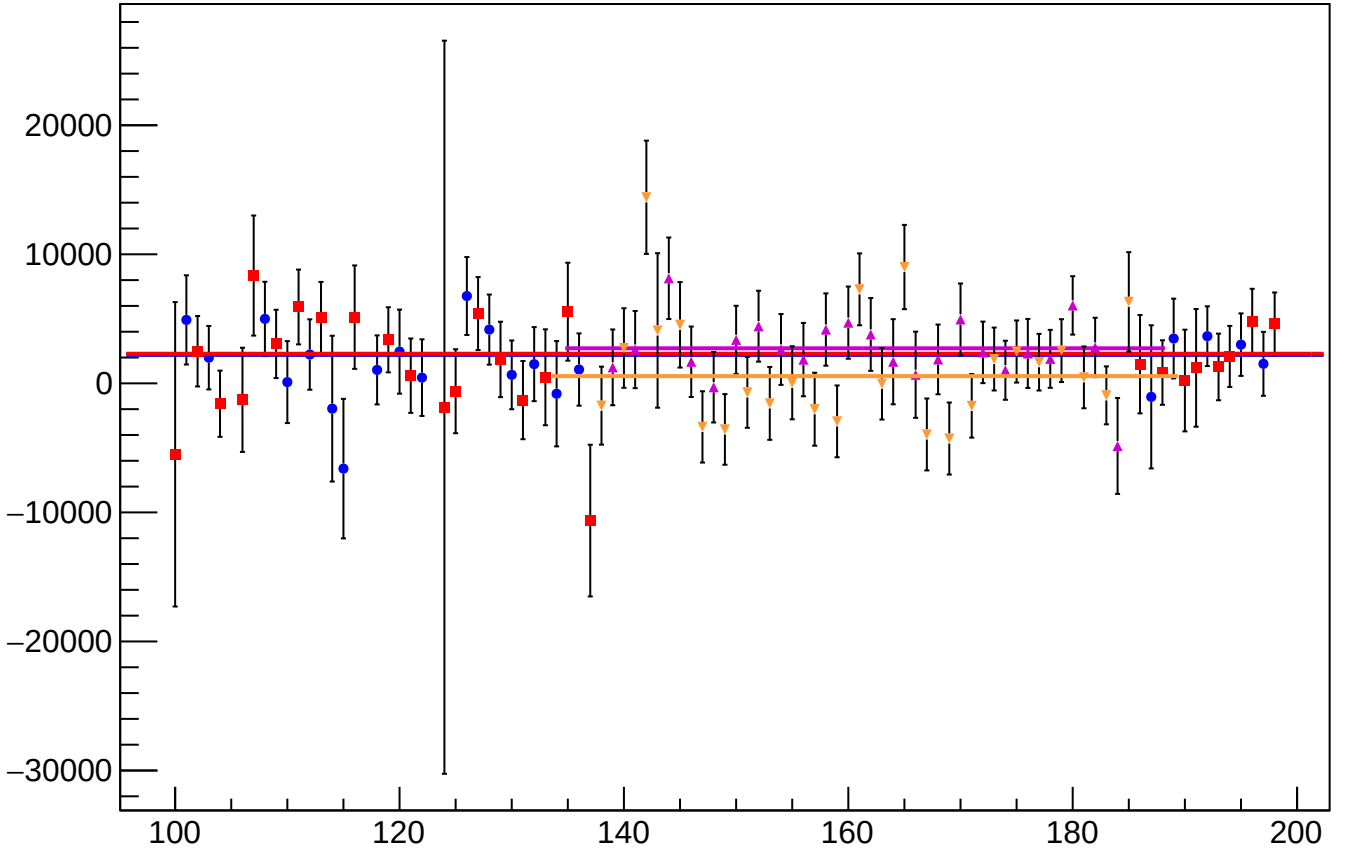
Right: 1869.561+/-0.503 χ^2/NDF: 32530056.7/47

In: 7802.898+/-1.070 χ^2/NDF:4373661.0/43

Out: 1498.329+/-0.378 χ^2/NDF:47829241.9/51

All: 2199.528+/-0.357 χ^2/NDF: 83067280.6/9

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2208.612+/-649.729 χ^2/NDF: 10.8/20

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2293.457+/-603.242 χ^2/NDF: 21.0/26

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

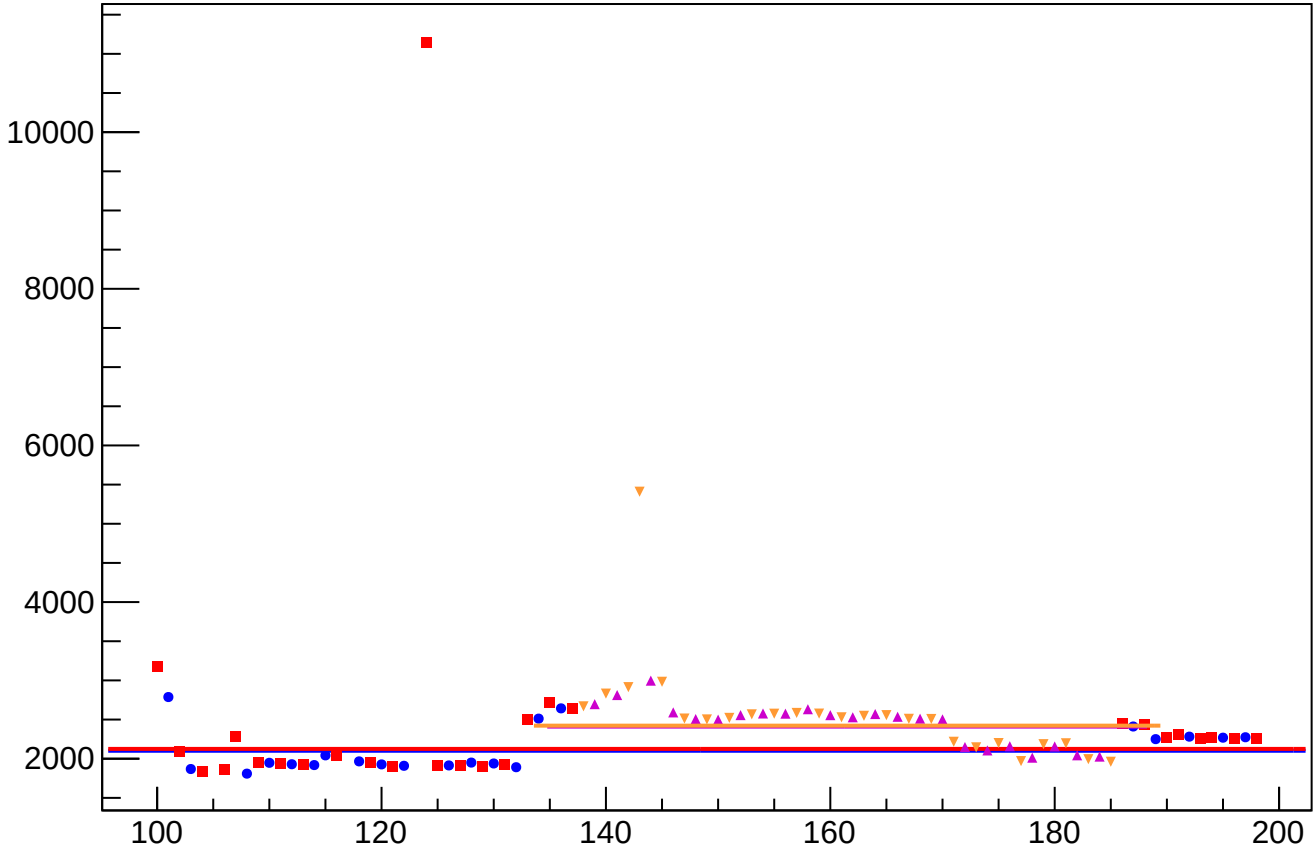
Right: 2254.178+/-442.078 χ^2/NDF: 31.7/47

In: 2497.089+/-426.862 χ^2/NDF:25.4/43

Out: 1359.530+/-409.356 χ^2/NDF:69.3/51

All: 1904.506+/-295.453 χ^2/NDF: 98.4/95

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2101.757+/-0.459 χ^2/NDF: 320699.3/20

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2125.268+/-0.427 χ^2/NDF: 505323.5/26

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

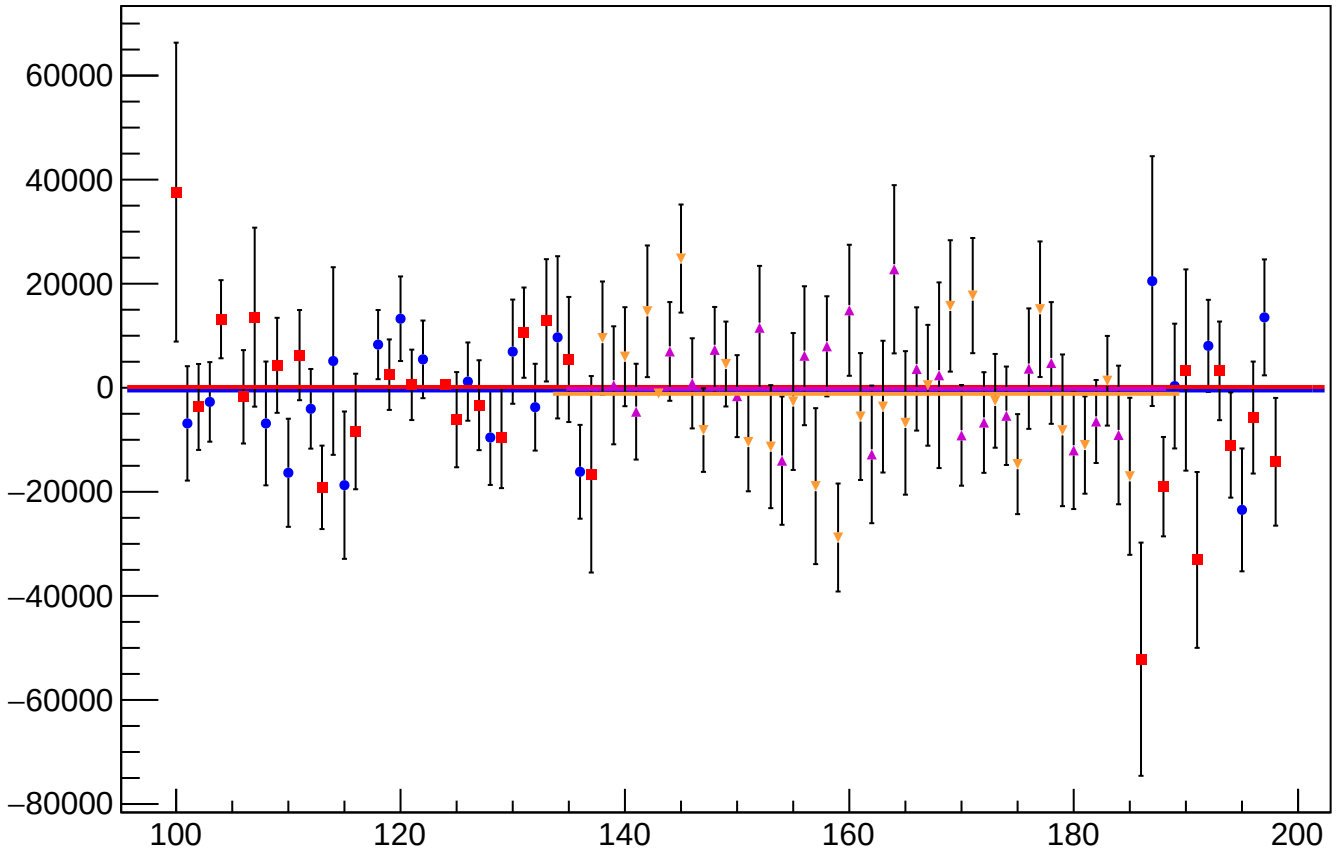
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2114.383+/-0.313 χ^2/NDF: 827429.3/47

In: 2276.851+/-0.302 χ^2/NDF:1004613.8/43

Out: 2285.440+/-0.289 χ^2/NDF:1719530.0/51

All: 2281.325+/-0.209 χ^2/NDF: 2724565.6/95



Right In: -518.587+/-2086.525 χ^2/NDF: 22.5/20

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 151.691+/-755.721 χ^2/NDF: 34.6/26

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

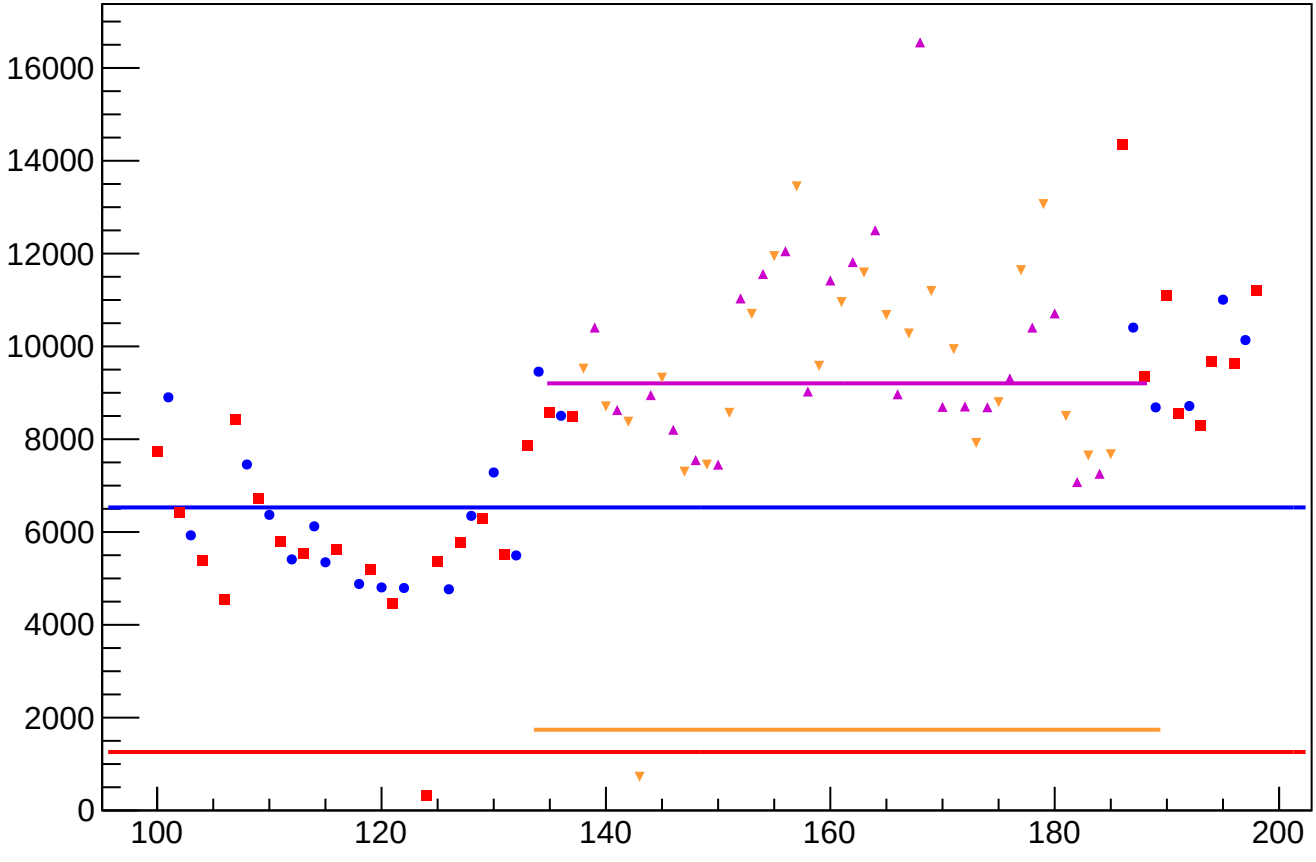
Right: 73.959+/-710.551 χ^2/NDF: 57.2/47

In: -371.874+/-1512.309 χ^2/NDF:35.9/43

Out: -501.401+/-535.085 χ^2/NDF:68.1/51

All: -486.990+/-504.441 χ^2/NDF: 104.0/95

asym_atl2_cor_correction_rms vs Slug, Sign Corrected



Right In: 6529.611+/-1.475 χ^2/NDF: 1552164.5/20

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1259.520+/-0.534 χ^2/NDF: 19683514.5/26

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

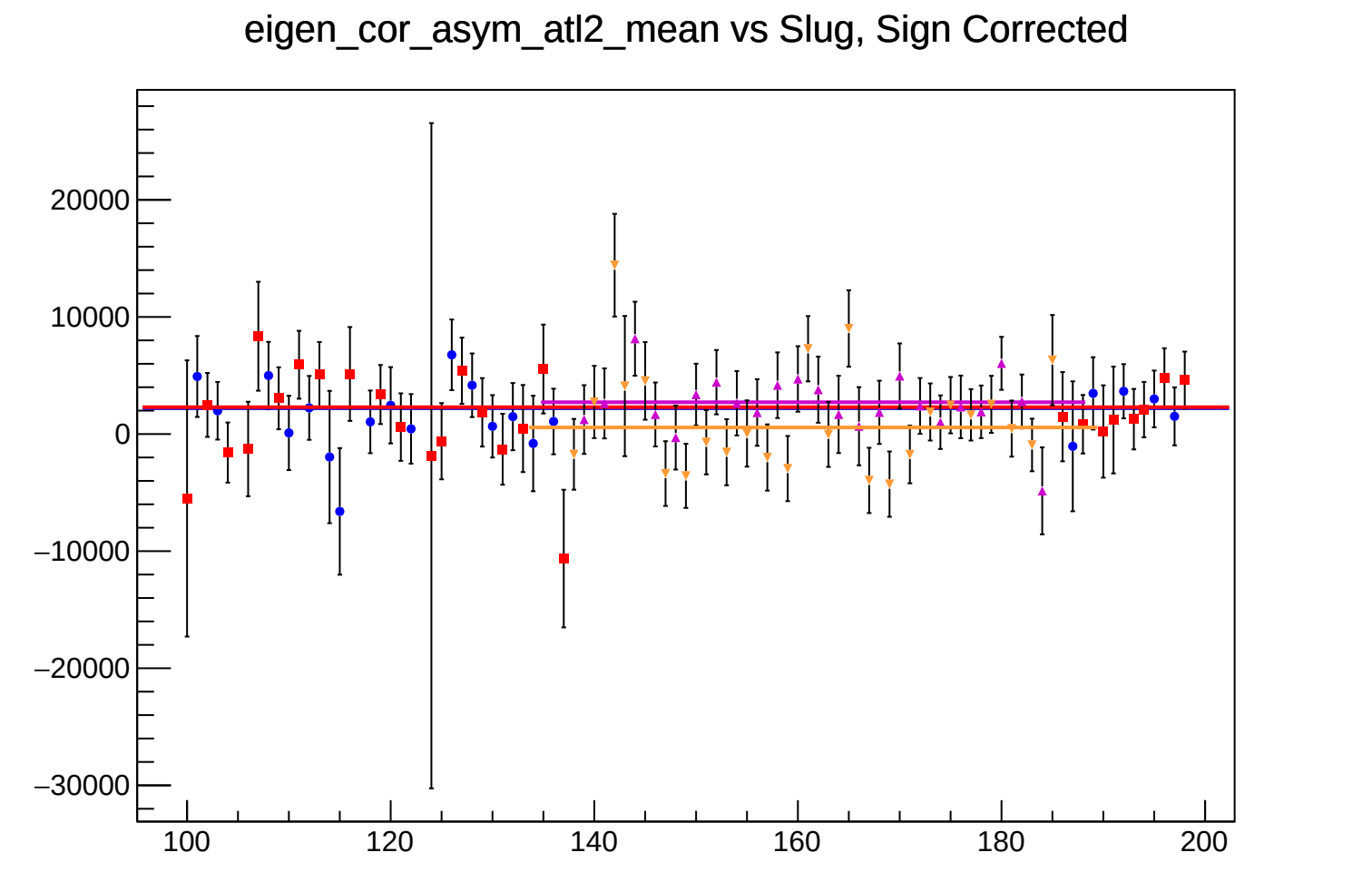
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 1870.689+/-0.502 χ^2/NDF: 32515087.1/47

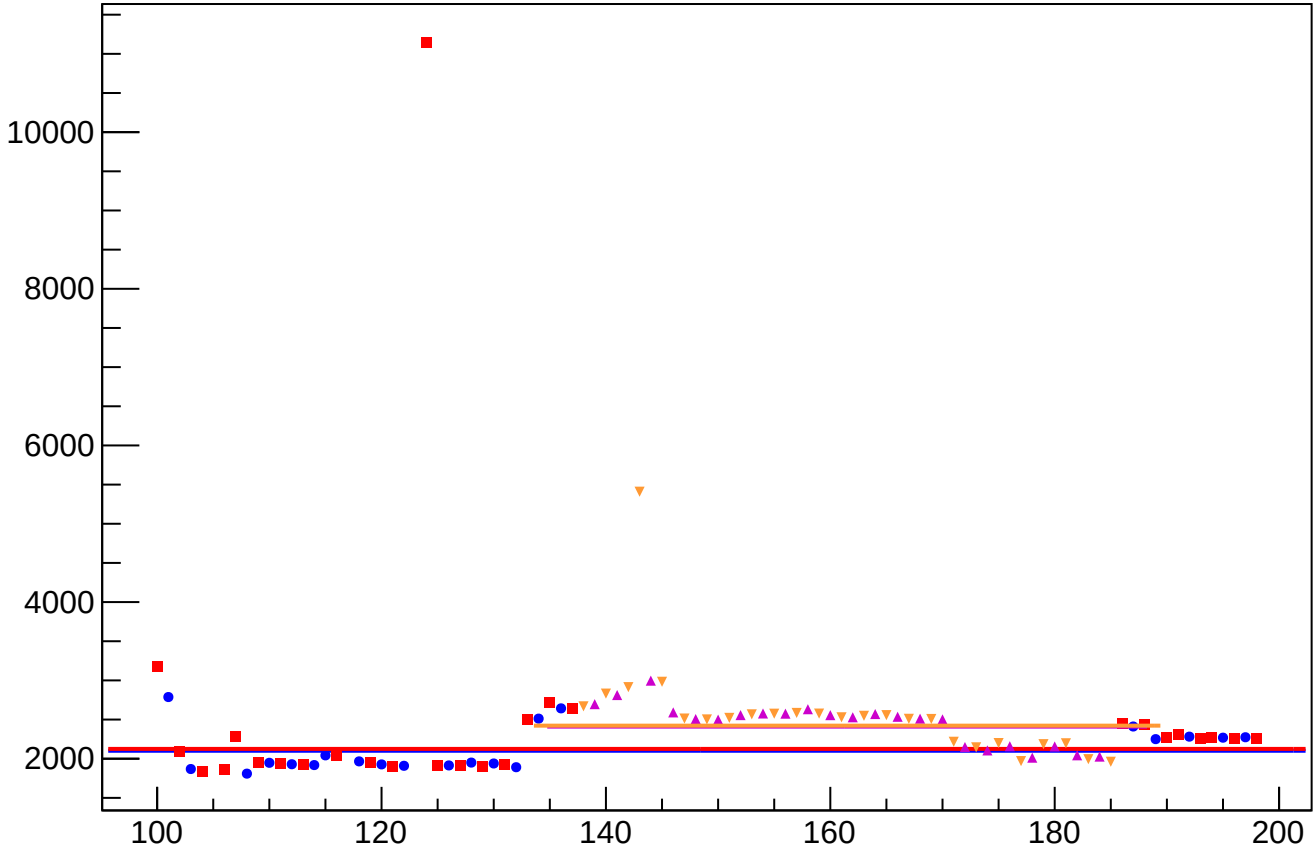
In: 7798.936+/-1.069 χ^2/NDF:4383577.1/43

Out: 1498.851+/-0.378 χ^2/NDF:47820851.6/51

All: 2199.799+/-0.357 χ^2/NDF: 83051685.9/9


eigen_cor_asym_atl2_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 2208.612+/-649.729 χ²/NDF: 10.8/20
Left Out: 562.392+/-557.316 χ²/NDF:43.9/24
Right Out: 2293.457+/-603.242 χ²/NDF: 21.0/26
Left In: 2716.163+/-566.202 χ²/NDF:14.3/22
Left: 1622.245+/-397.186 χ²/NDF: 65.6/47
Right: 2254.178+/-442.078 χ²/NDF: 31.7/47
In: 2497.089+/-426.862 χ²/NDF:25.4/43
Out: 1359.530+/-409.356 χ²/NDF:69.3/51
All: 1904.506+/-295.453 χ²/NDF: 98.4/95

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2101.757+/-0.459 χ^2/NDF: 320699.3/20

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2125.268+/-0.427 χ^2/NDF: 505323.5/26

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

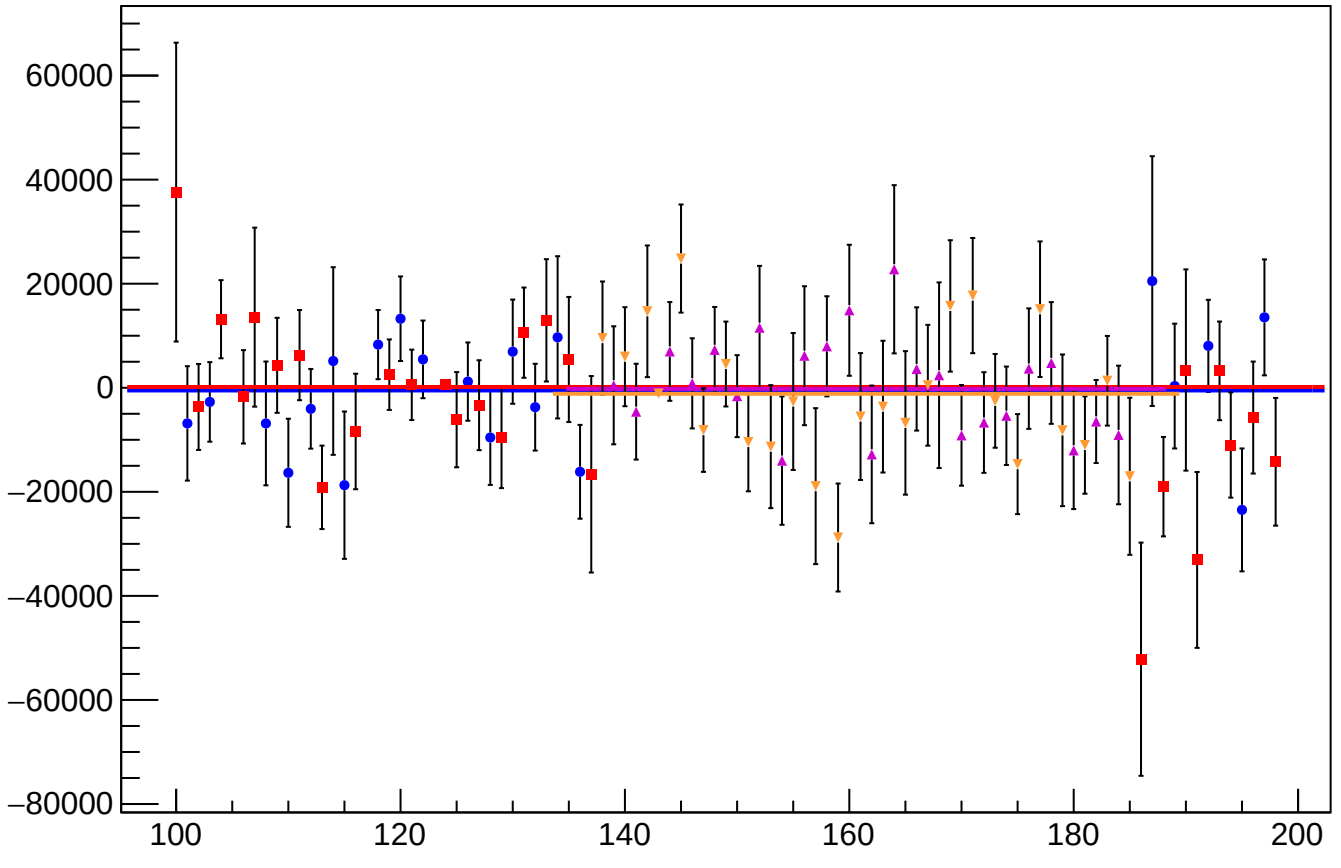
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2114.383+/-0.313 χ^2/NDF: 827429.3/47

In: 2276.851+/-0.302 χ^2/NDF:1004613.8/43

Out: 2285.440+/-0.289 χ^2/NDF:1719530.0/51

All: 2281.325+/-0.209 χ^2/NDF: 2724565.6/95



Right In: -518.587+/-2086.525 χ^2/NDF: 22.5/20

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 151.691+/-755.721 χ^2/NDF: 34.6/26

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

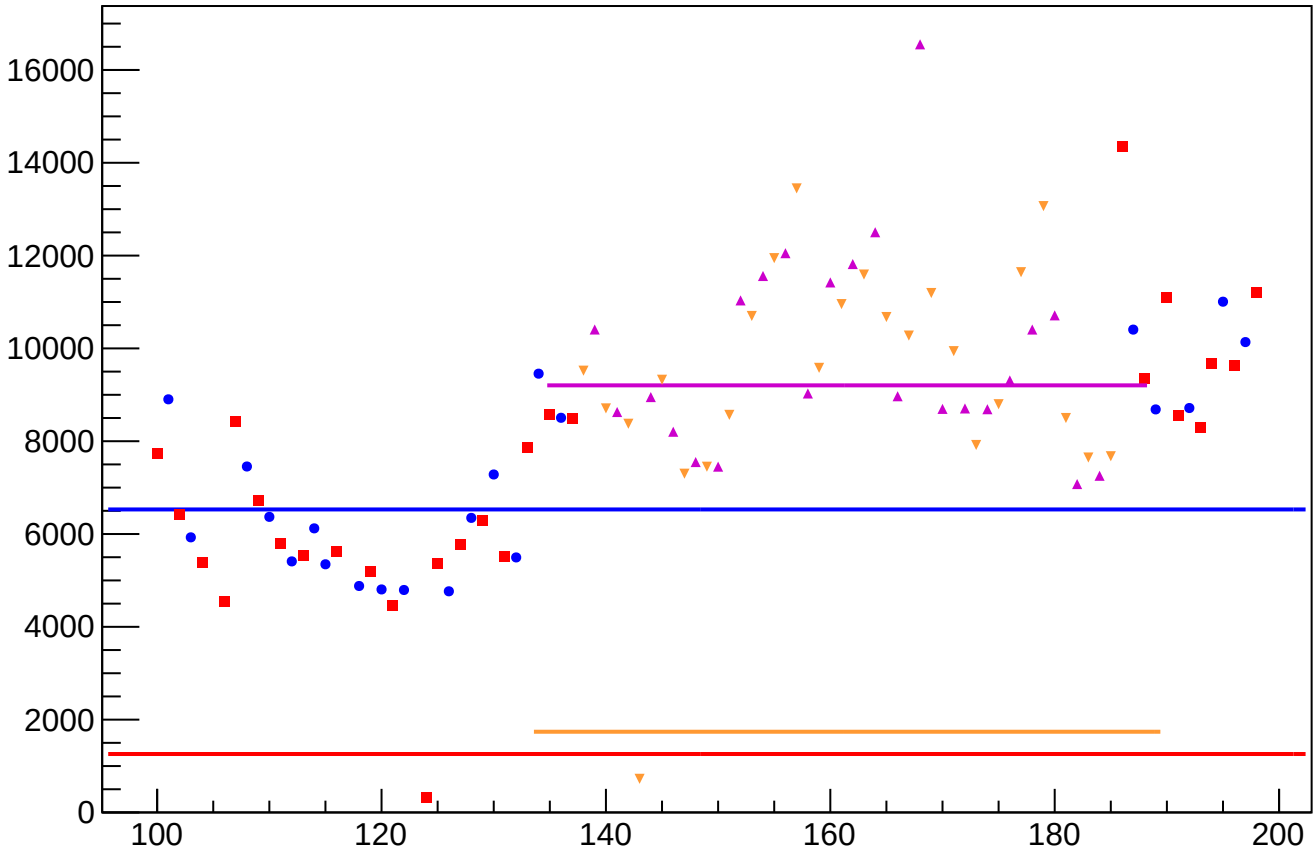
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 73.959+/-710.551 χ^2/NDF: 57.2/47

In: -371.874+/-1512.309 χ^2/NDF:35.9/43

Out: -501.401+/-535.085 χ^2/NDF:68.1/51

All: -486.990+/-504.441 χ^2/NDF: 104.0/95



Right In: 6529.611+/-1.475 χ^2/NDF: 1552164.5/20

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1259.520+/-0.534 χ^2/NDF: 19683514.5/26

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

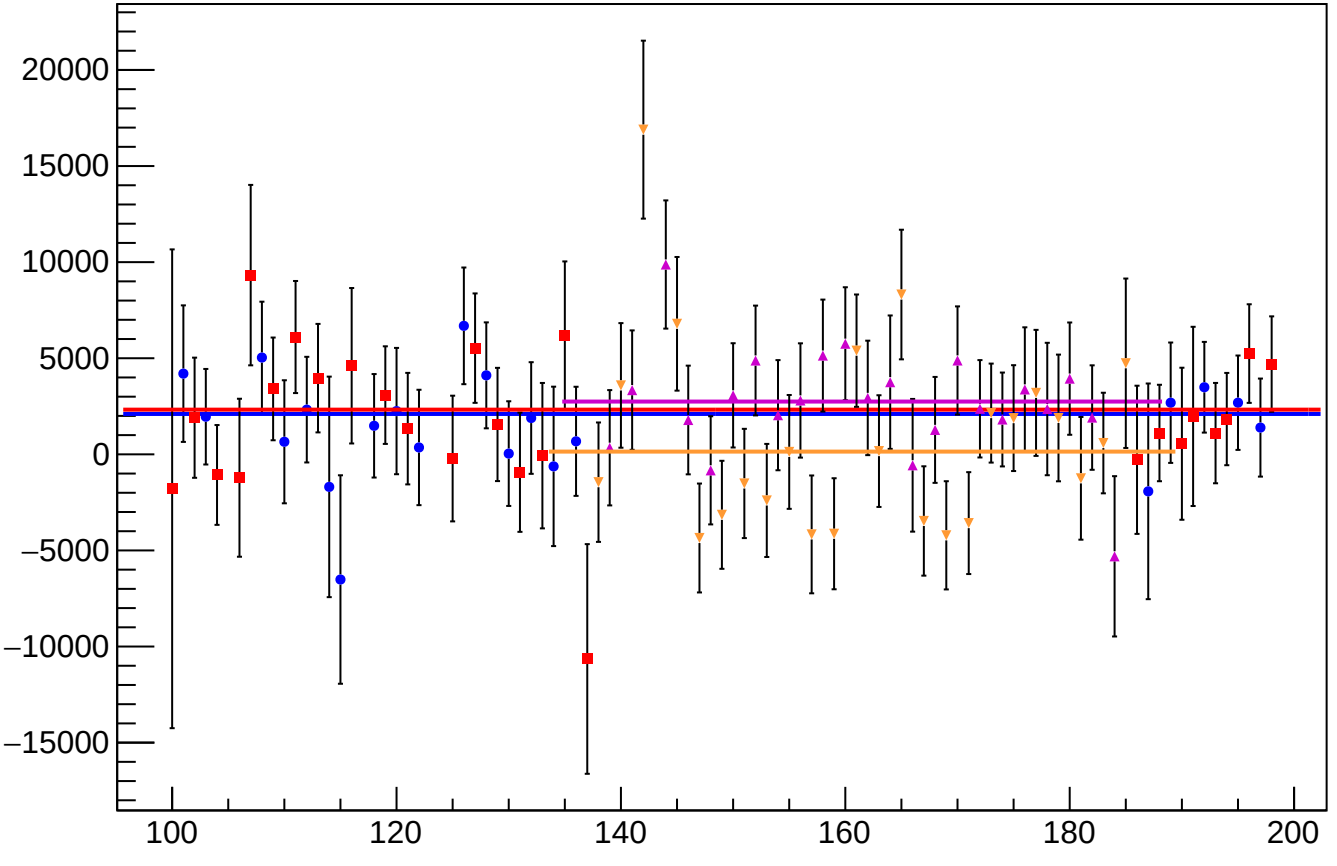
Right: 1870.689+/-0.502 χ^2/NDF: 32515087.1/47

In: 7798.936+/-1.069 χ^2/NDF:4383577.1/43

Out: 1498.851+/-0.378 χ^2/NDF:47820851.6/51

All: 2199.799+/-0.357 χ^2/NDF: 83051685.9/9

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2100.738+/-658.794 χ^2/NDF: 10.0/20

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: 2325.456+/-614.121 χ^2/NDF: 20.0/25

Left In: 2745.982+/-616.123 χ^2/NDF:15.4/22

Left: 1443.410+/-435.526 χ^2/NDF: 70.2/46

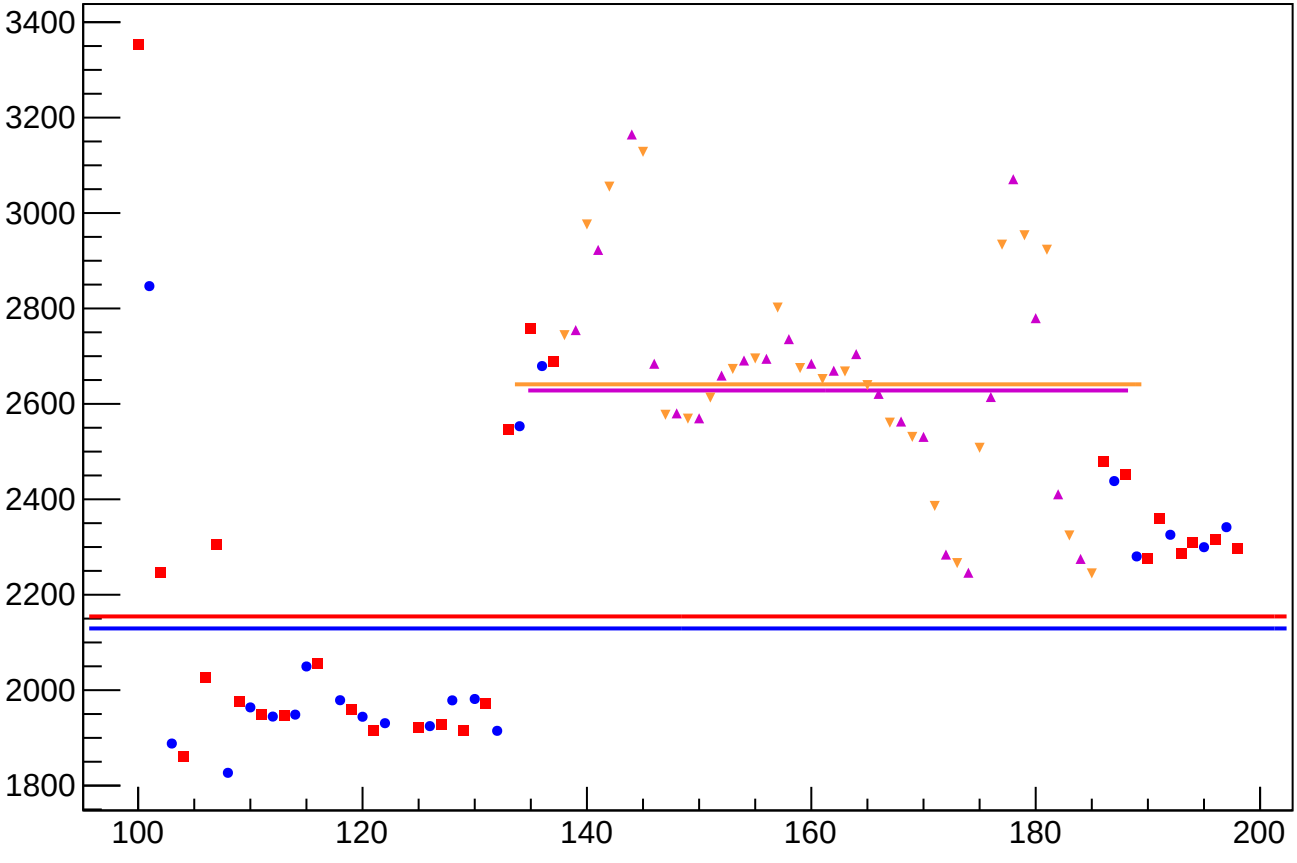
Right: 2220.974+/-449.212 χ^2/NDF: 30.1/46

In: 2444.932+/-449.994 χ^2/NDF:26.0/43

Out: 1236.834+/-434.817 χ^2/NDF:72.1/49

All: 1820.166+/-312.690 χ^2/NDF: 101.8/93

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2129.381+/-0.466 χ^2/NDF: 336068.8/20

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2154.536+/-0.434 χ^2/NDF: 311559.5/25

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

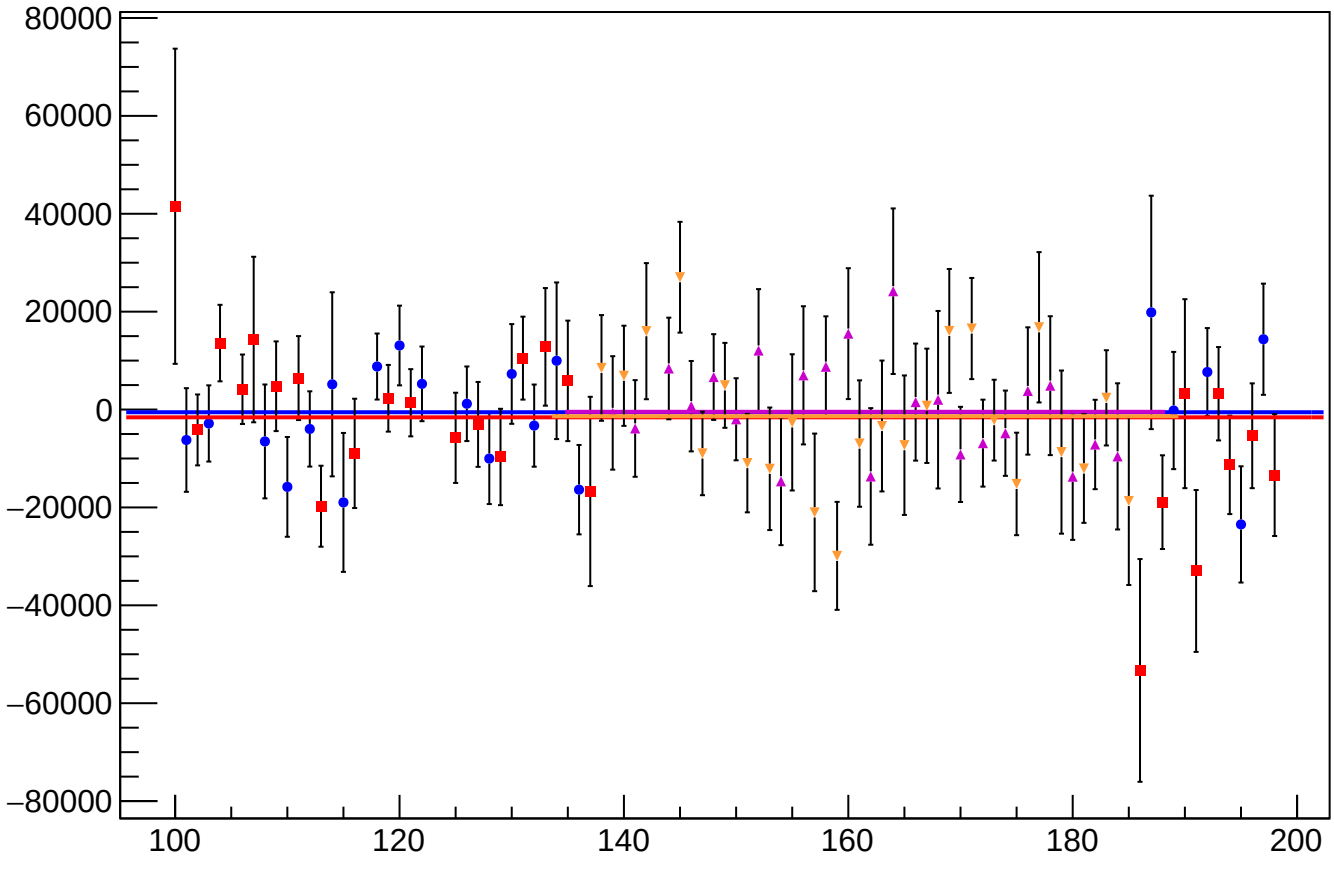
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2142.852+/-0.317 χ^2/NDF: 649190.0/46

In: 2395.421+/-0.318 χ^2/NDF:1185004.9/43

Out: 2396.893+/-0.307 χ^2/NDF:1191362.7/49

All: 2396.183+/-0.221 χ^2/NDF: 2376378.7/93



Right In: -551.042+/-2103.986 χ^2/NDF: 22.4/20

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: -1591.268+/-1919.591 χ^2/NDF: 34.0/25

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

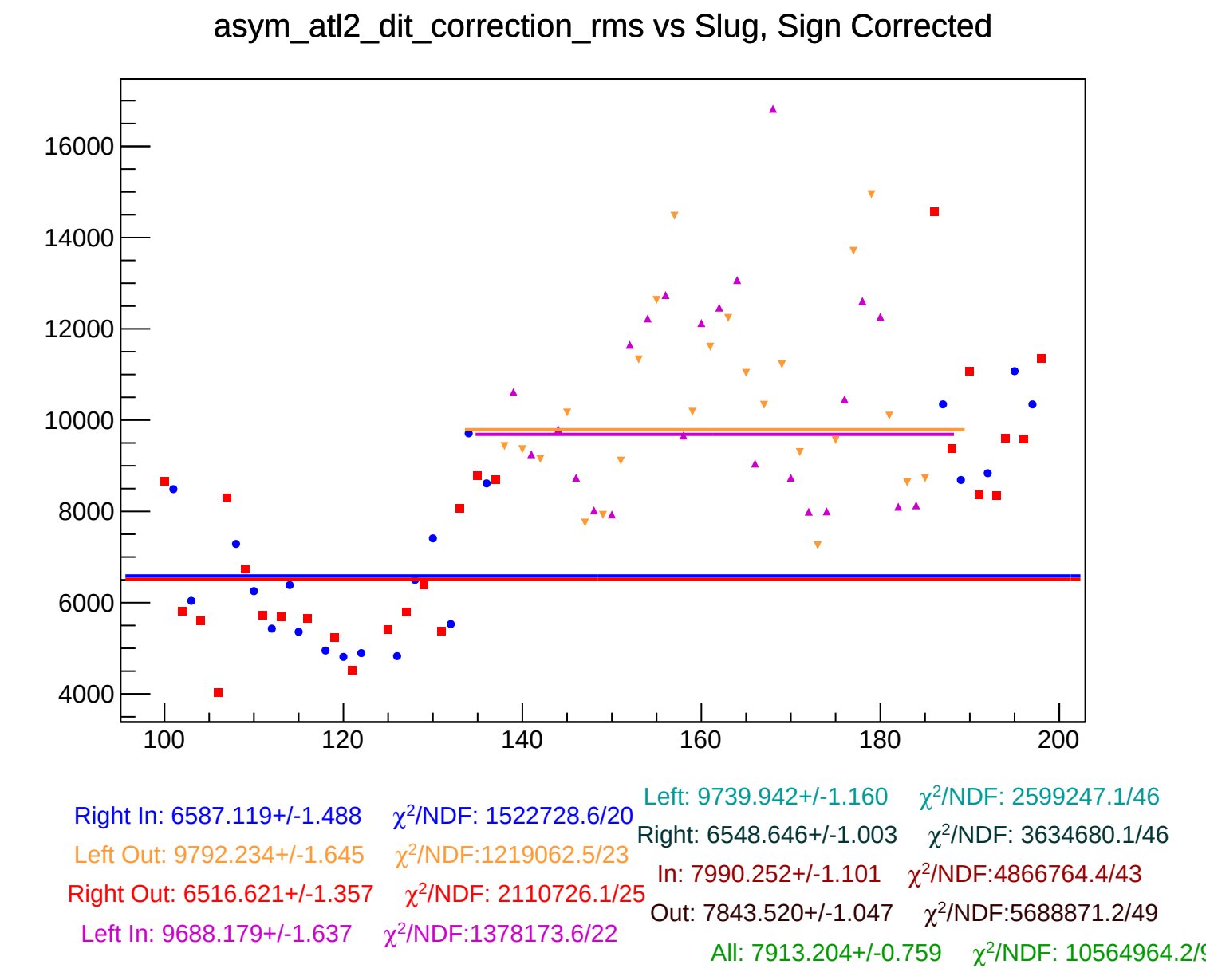
Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

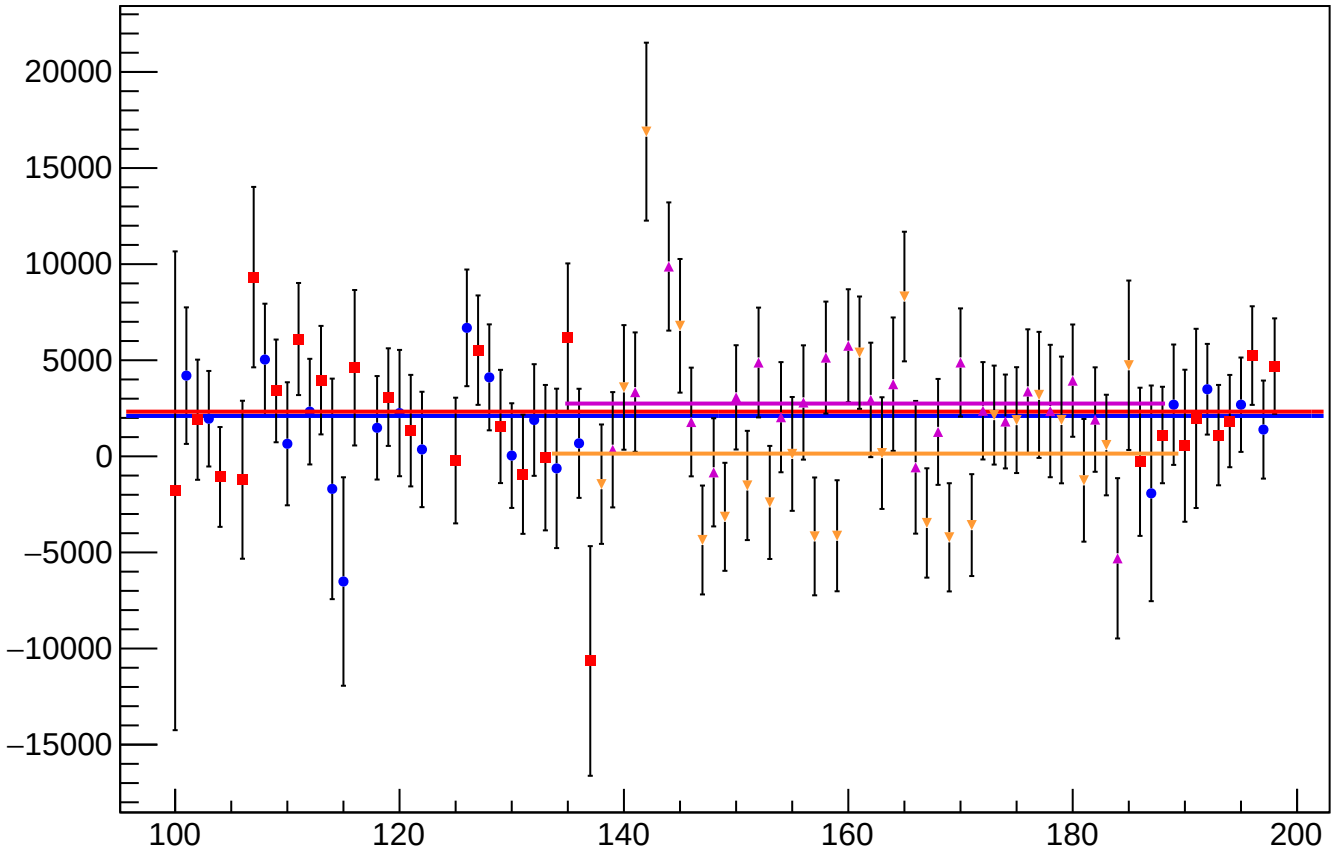
Right: -1118.727+/-1418.073 χ^2/NDF: 56.5/46

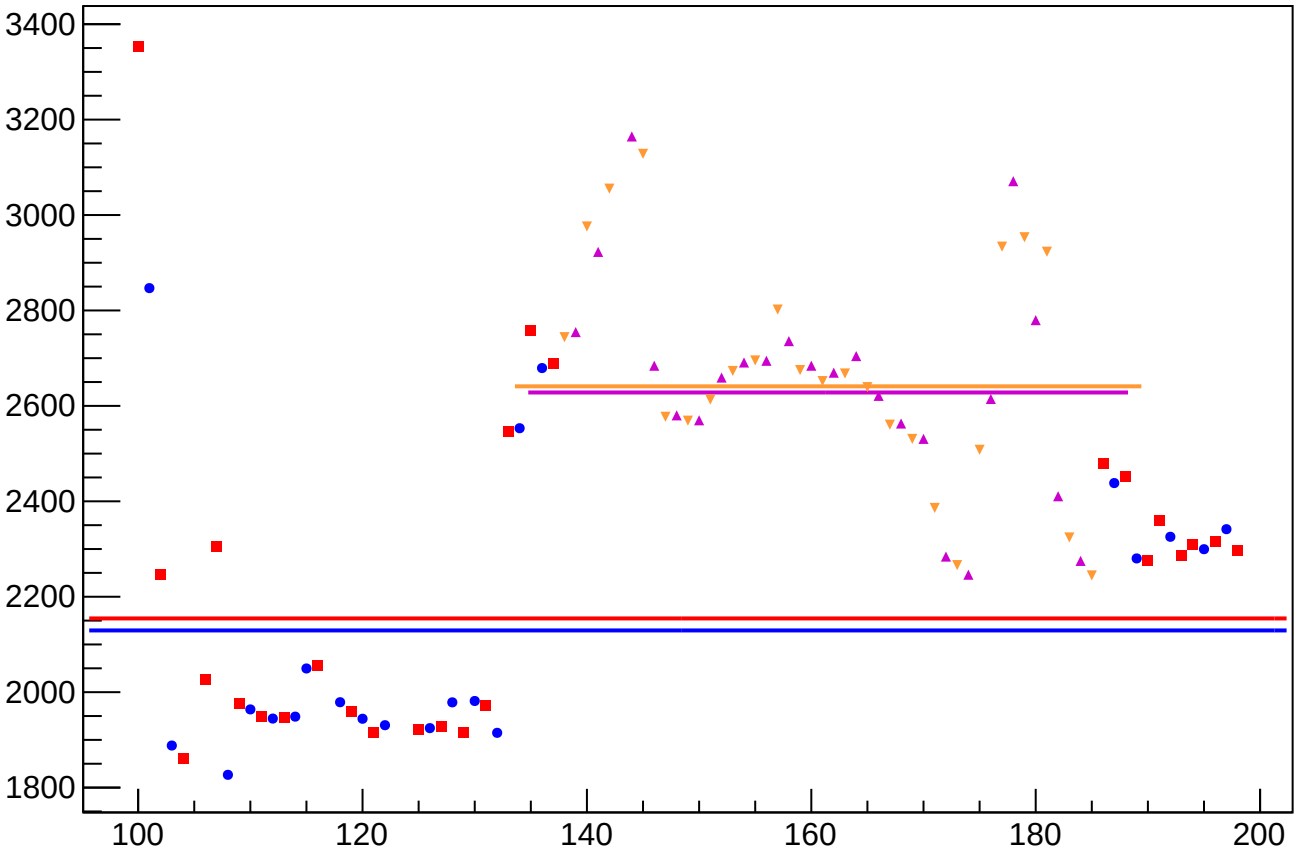
In: -511.557+/-1556.852 χ^2/NDF:35.5/43

Out: -1500.355+/-1480.595 χ^2/NDF:65.3/49

All: -1030.765+/-1072.885 χ^2/NDF: 101.0/93


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 6587.119+/-1.488 χ²/NDF: 1522728.6/20
Left Out: 9792.234+/-1.645 χ²/NDF:1219062.5/23
Right Out: 6516.621+/-1.357 χ²/NDF: 2110726.1/25
Left In: 9688.179+/-1.637 χ²/NDF:1378173.6/22
Left: 9739.942+/-1.160 χ²/NDF: 2599247.1/46
Right: 6548.646+/-1.003 χ²/NDF: 3634680.1/46
In: 7990.252+/-1.101 χ²/NDF:4866764.4/43
Out: 7843.520+/-1.047 χ²/NDF:5688871.2/49
All: 7913.204+/-0.759 χ²/NDF: 10564964.2/9


eigen_dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 2100.737+/-658.794 χ²/NDF: 10.0/20
Left Out: 142.487+/-615.732 χ²/NDF:45.8/23
Right Out: 2325.457+/-614.121 χ²/NDF: 20.0/25
Left In: 2745.980+/-616.124 χ²/NDF:15.4/22
Left: 1443.405+/-435.527 χ²/NDF: 70.2/46
Right: 2220.974+/-449.212 χ²/NDF: 30.1/46
In: 2444.930+/-449.995 χ²/NDF:26.0/43
Out: 1236.831+/-434.817 χ²/NDF:72.1/49
All: 1820.164+/-312.690 χ²/NDF: 101.8/93



Right In: 2129.381+/-0.466 χ^2/NDF: 336068.9/20

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2154.536+/-0.434 χ^2/NDF: 311560.0/25

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

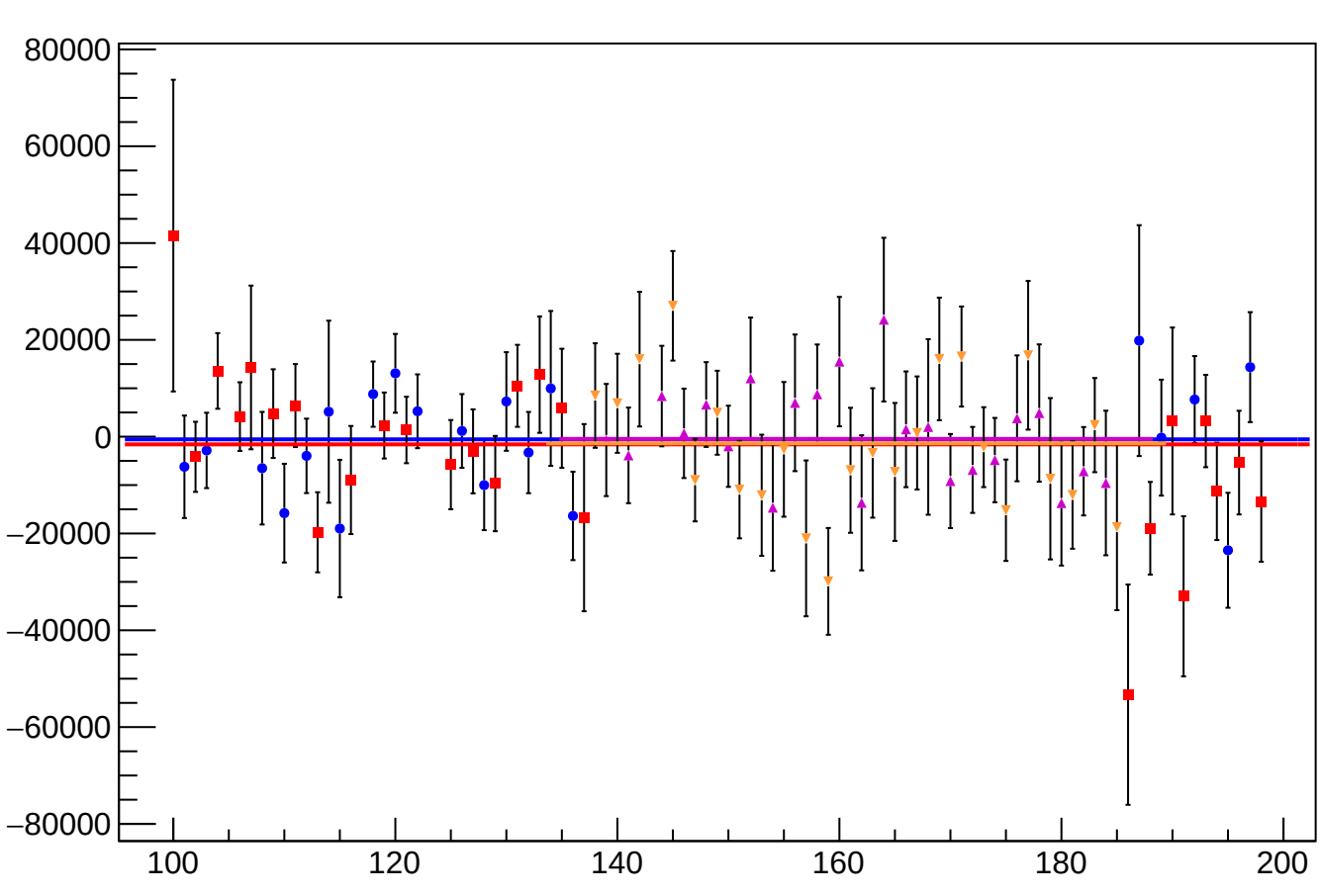
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2142.852+/-0.317 χ^2/NDF: 649190.5/46

In: 2395.422+/-0.318 χ^2/NDF:1185018.7/43

Out: 2396.894+/-0.307 χ^2/NDF:1191377.6/49

All: 2396.184+/-0.221 χ^2/NDF: 2376407.4/93



Right In: -551.033+/-2103.981 χ^2/NDF: 22.4/20

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: -1591.255+/-1919.587 χ^2/NDF: 34.0/25

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

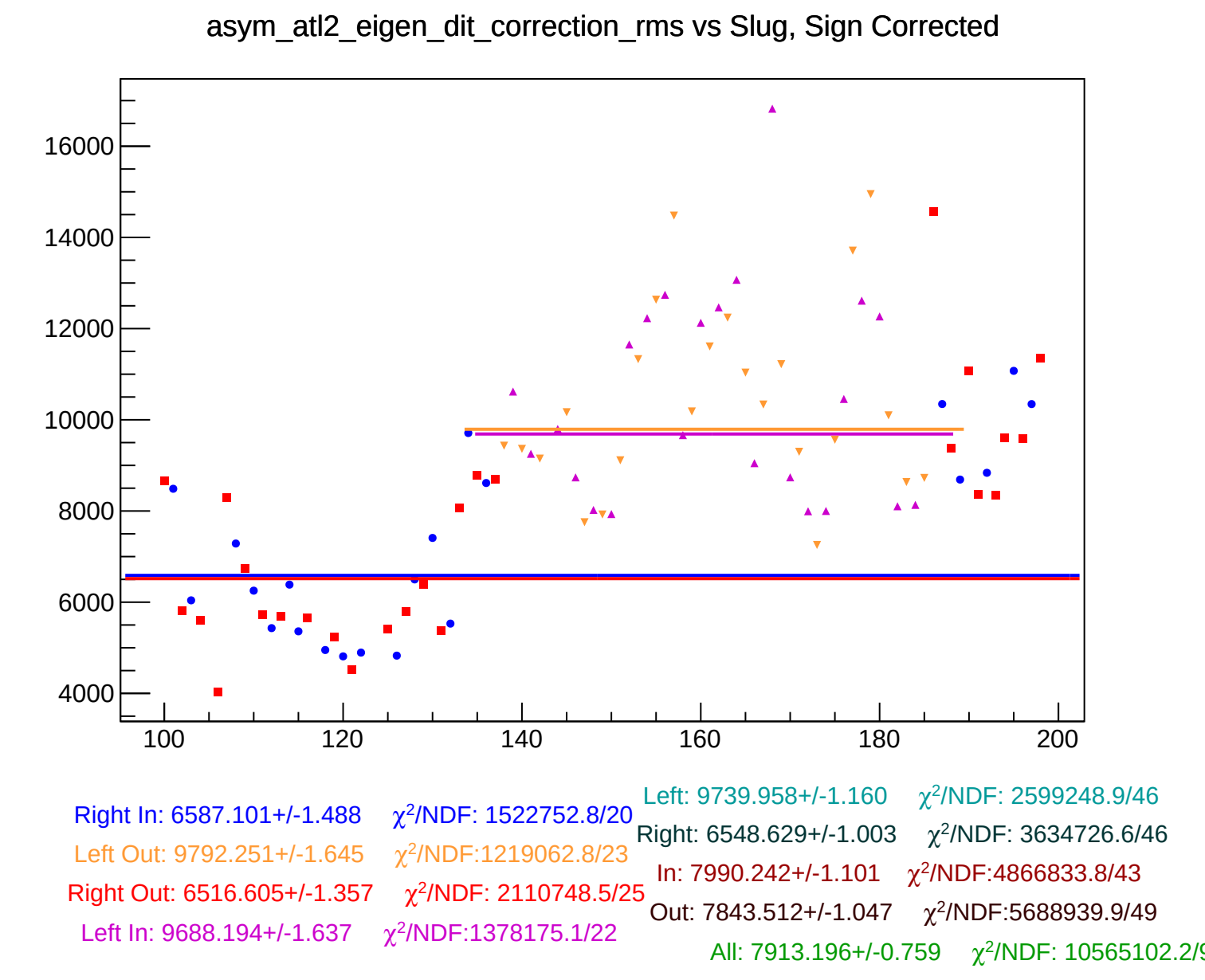
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -1118.716+/-1418.070 χ^2/NDF: 56.5/46

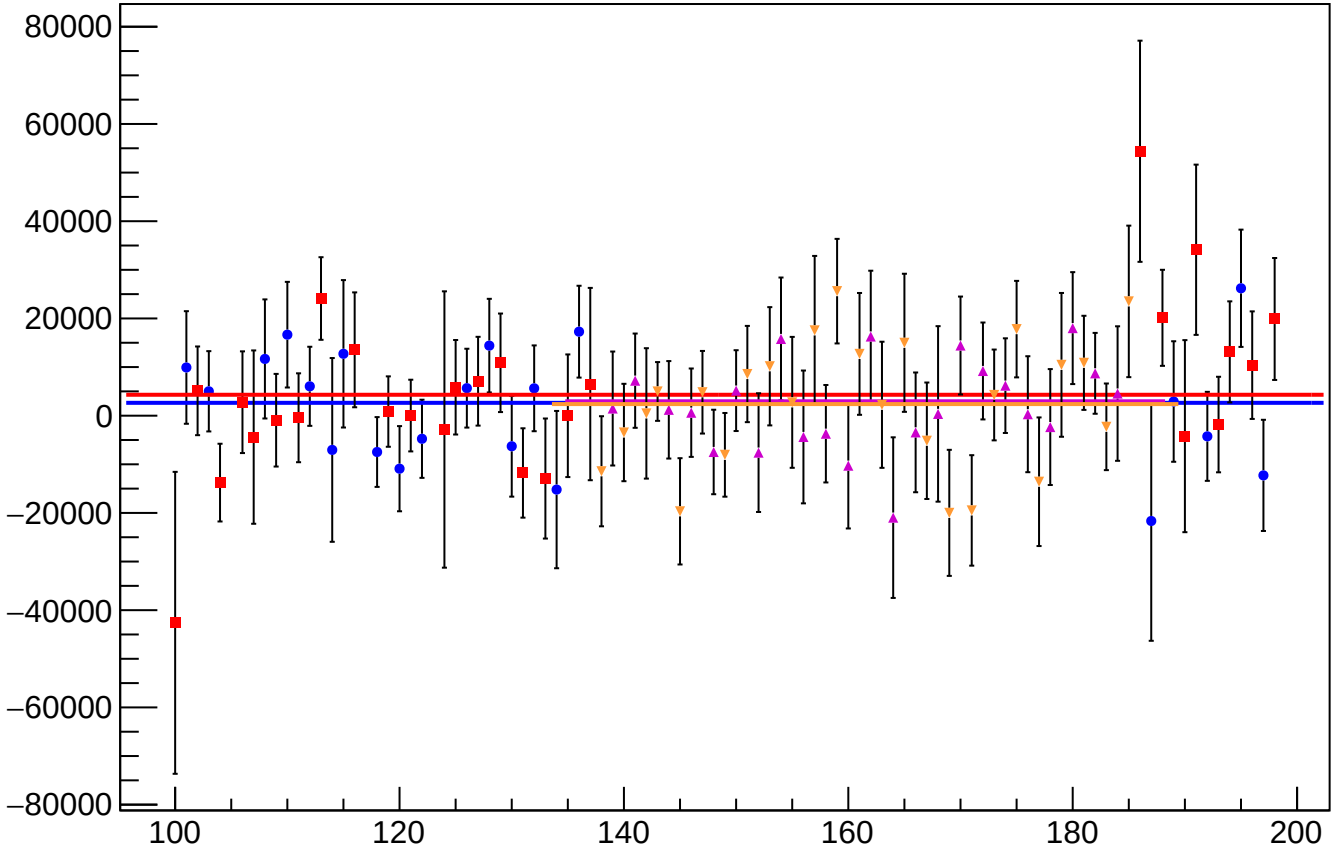
In: -511.552+/-1556.851 χ^2/NDF:35.5/43

Out: -1500.352+/-1480.595 χ^2/NDF:65.3/49

All: -1030.761+/-1072.884 χ^2/NDF: 101.0/93


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: 6587.101+/-1.488 χ²/NDF: 1522752.8/20
Left Out: 9792.251+/-1.645 χ²/NDF:1219062.8/23
Right Out: 6516.605+/-1.357 χ²/NDF: 2110748.5/25
Left In: 9688.194+/-1.637 χ²/NDF:1378175.1/22
Left: 9739.958+/-1.160 χ²/NDF: 2599248.9/46
Right: 6548.629+/-1.003 χ²/NDF: 3634726.6/46
In: 7990.242+/-1.101 χ²/NDF:4866833.8/43
Out: 7843.512+/-1.047 χ²/NDF:5688939.9/49
All: 7913.196+/-0.759 χ²/NDF: 10565102.2/9

asym_atl2_mean vs Slug, Sign Corrected



Right In: 2644.334+/-2207.166 χ^2/NDF: 22.0/20

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: 4303.684+/-2060.979 χ^2/NDF: 34.0/26

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

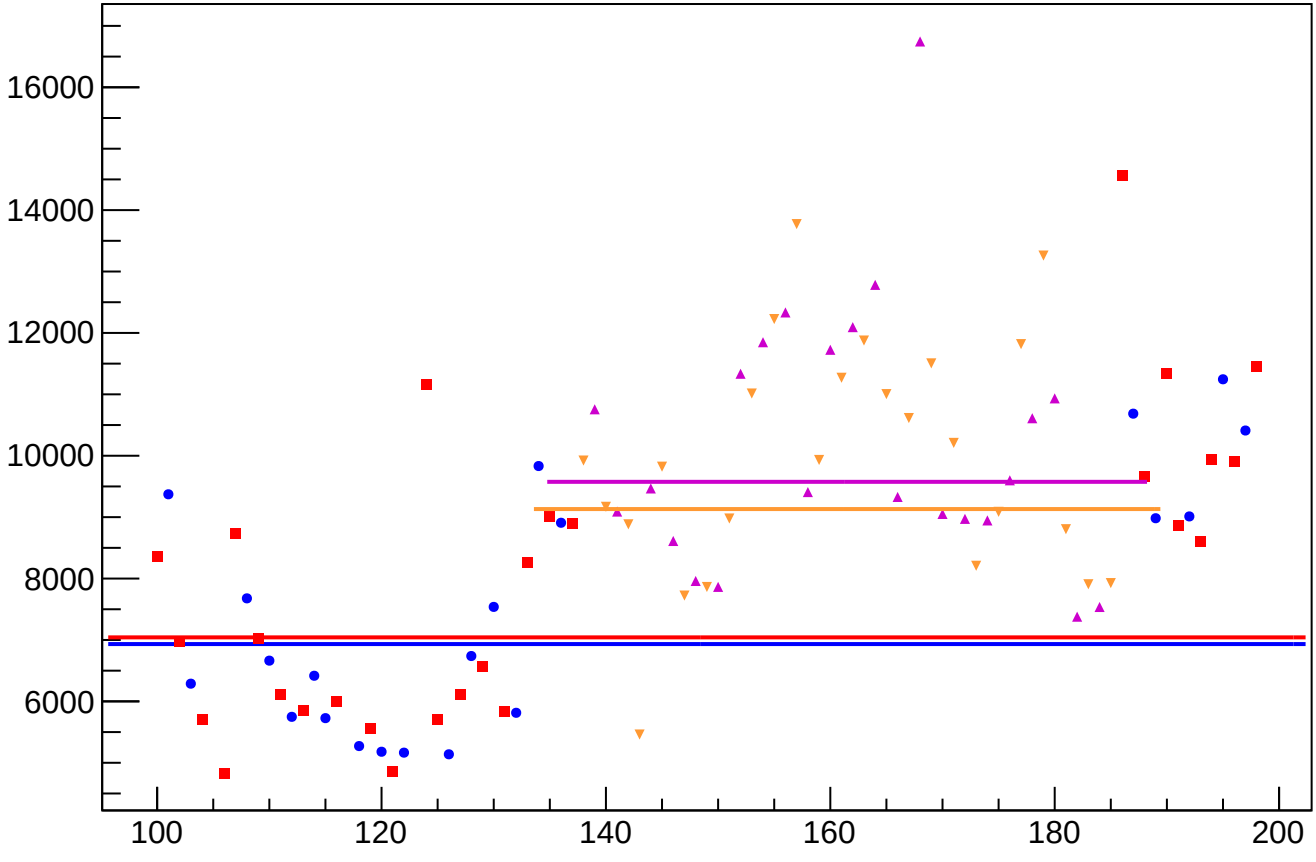
Right: 3530.776+/-1506.364 χ^2/NDF: 56.3/47

In: 2798.831+/-1585.465 χ^2/NDF:34.9/43

Out: 3380.242+/-1483.323 χ^2/NDF:64.2/51

All: 3108.867+/-1083.178 χ^2/NDF: 99.2/95

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6933.215+/-1.561 χ^2/NDF: 1384734.3/20

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 7042.329+/-1.457 χ^2/NDF: 1791543.7/26

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

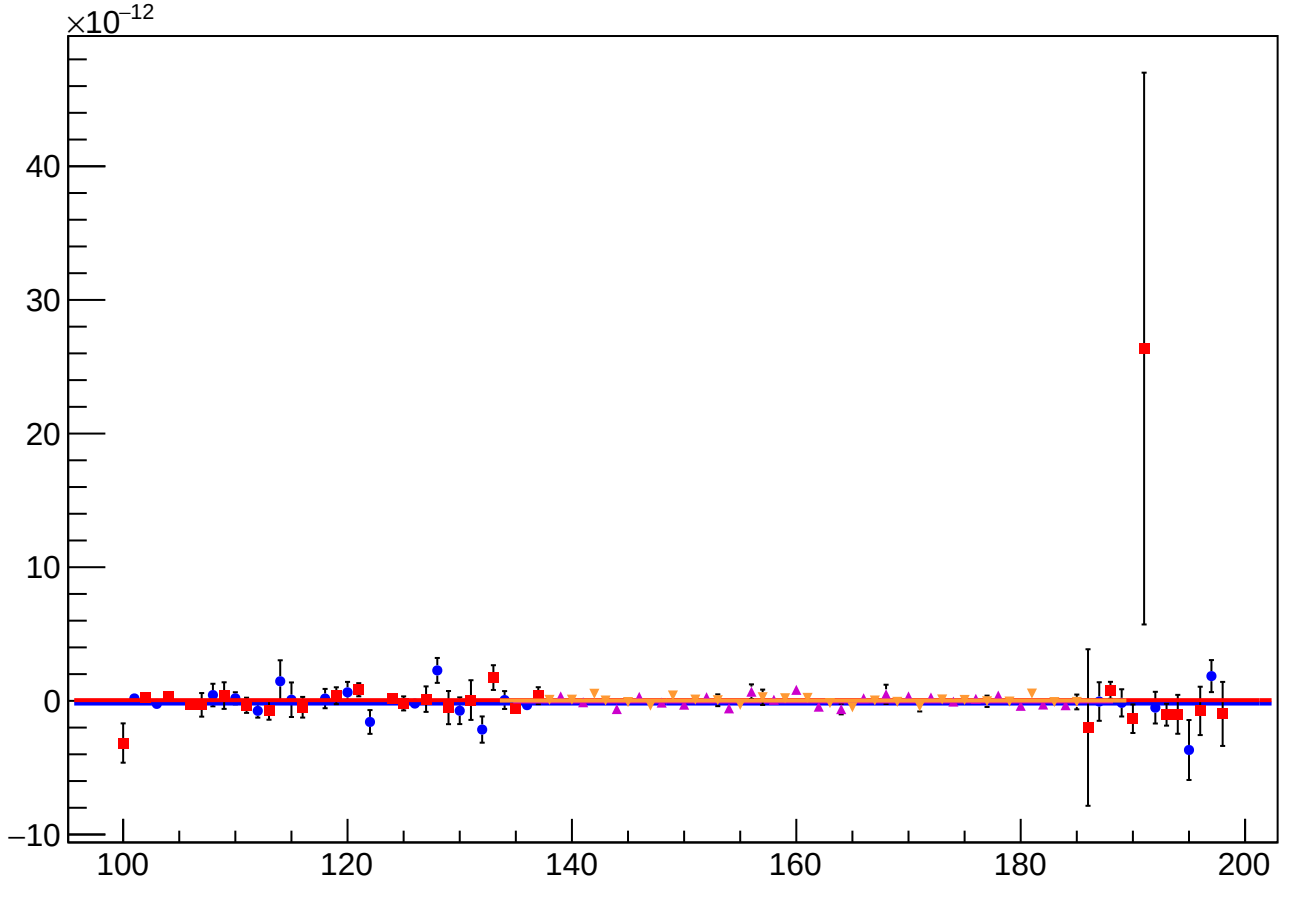
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 6991.505+/-1.065 χ^2/NDF: 3178889.2/47

In: 8211.970+/-1.121 χ^2/NDF:3925561.8/43

Out: 8049.425+/-1.049 χ^2/NDF:4593977.0/51

All: 8125.294+/-0.766 χ^2/NDF: 8530748.6/95



Right In: -0.000+/-0.000 χ^2/NDF: 26.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.4/26

Left In: -0.000+/-0.000 χ^2/NDF:36.8/22

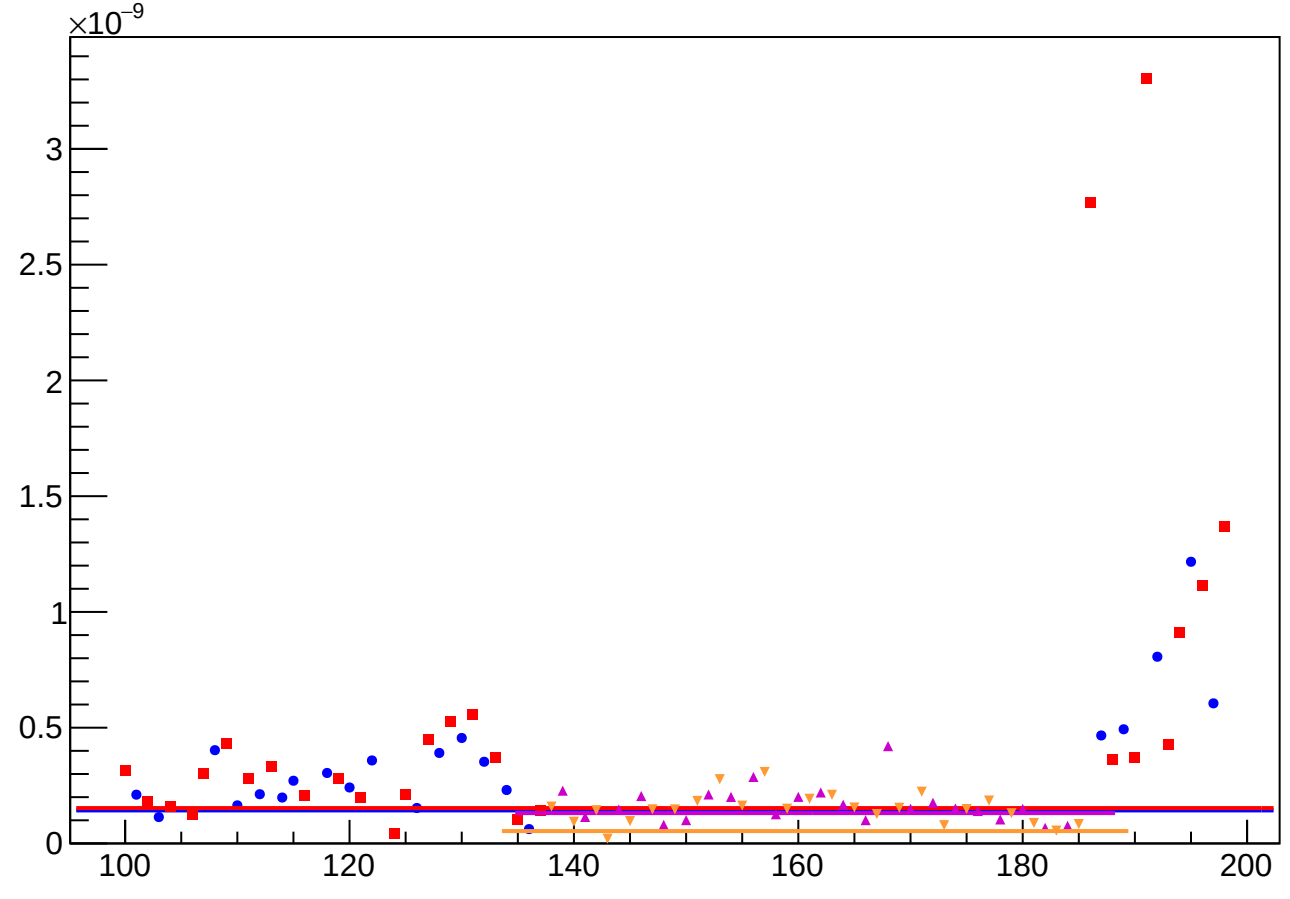
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 58.4/47

In: -0.000+/-0.000 χ^2/NDF:65.1/43

Out: 0.000+/-0.000 χ^2/NDF:46.3/51

All: -0.000+/-0.000 χ^2/NDF: 115.8/95



Right In: 0.000+/-0.000 χ^2/NDF: 3481949.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4980014.1/26

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

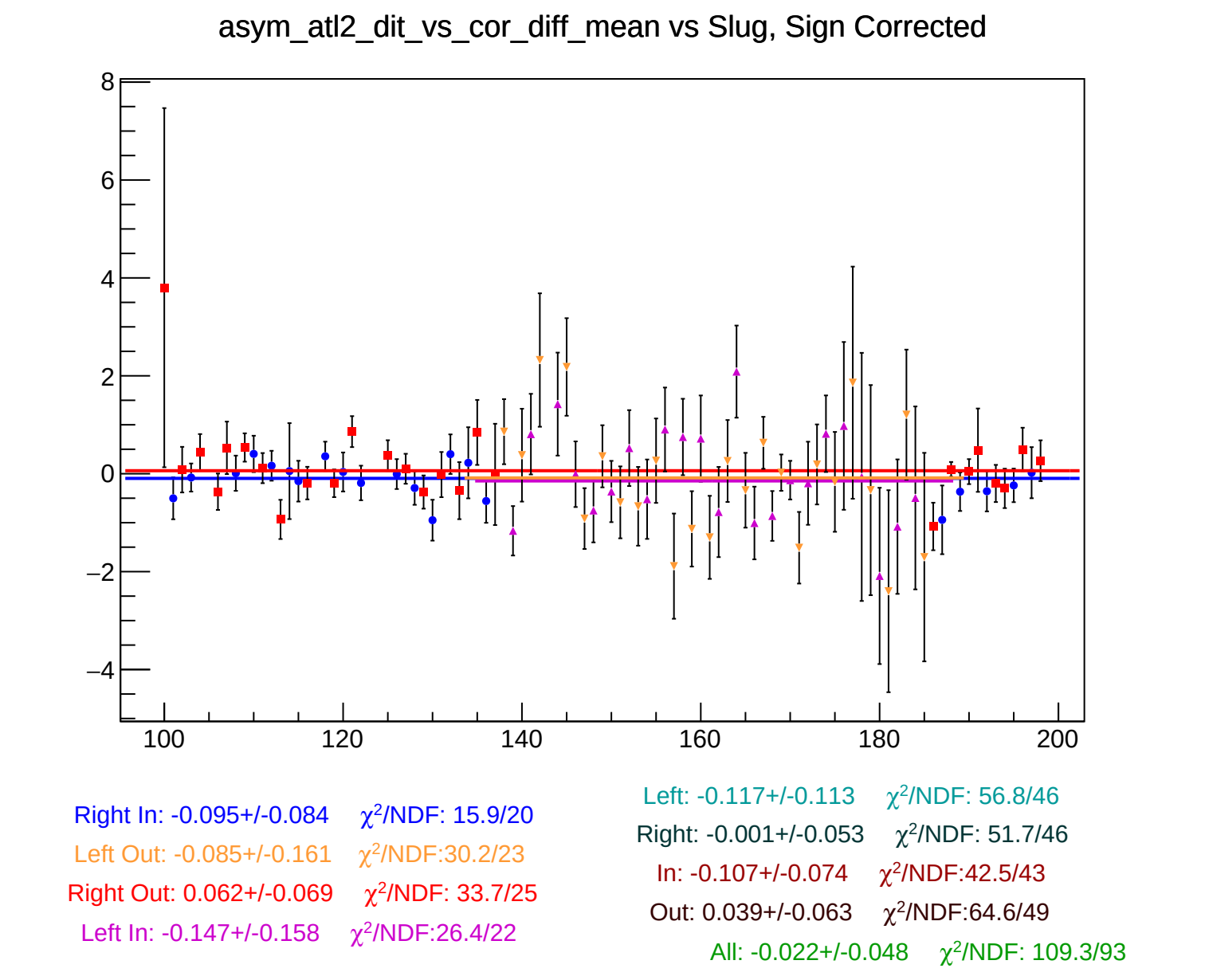
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

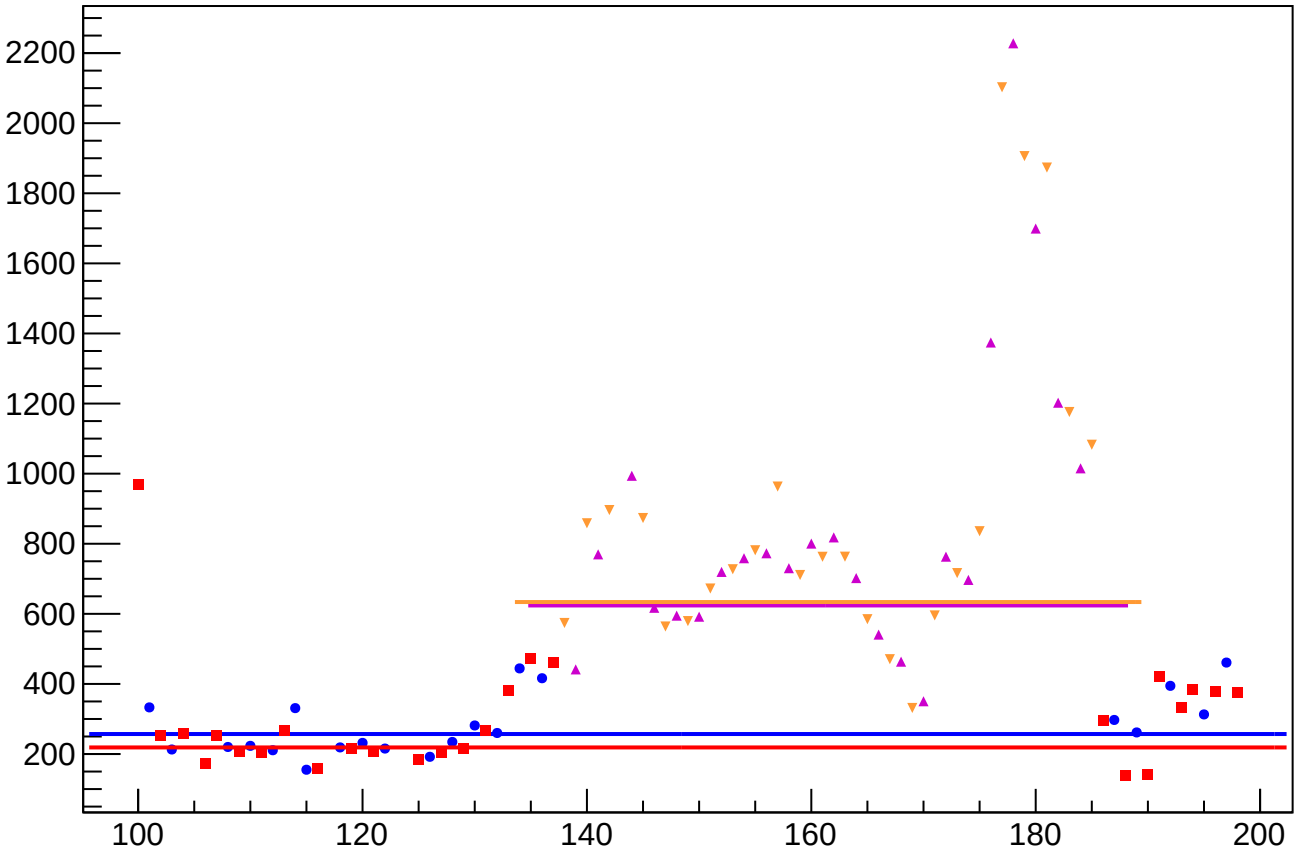
Right: 0.000+/-0.000 χ^2/NDF: 8473771.3/47

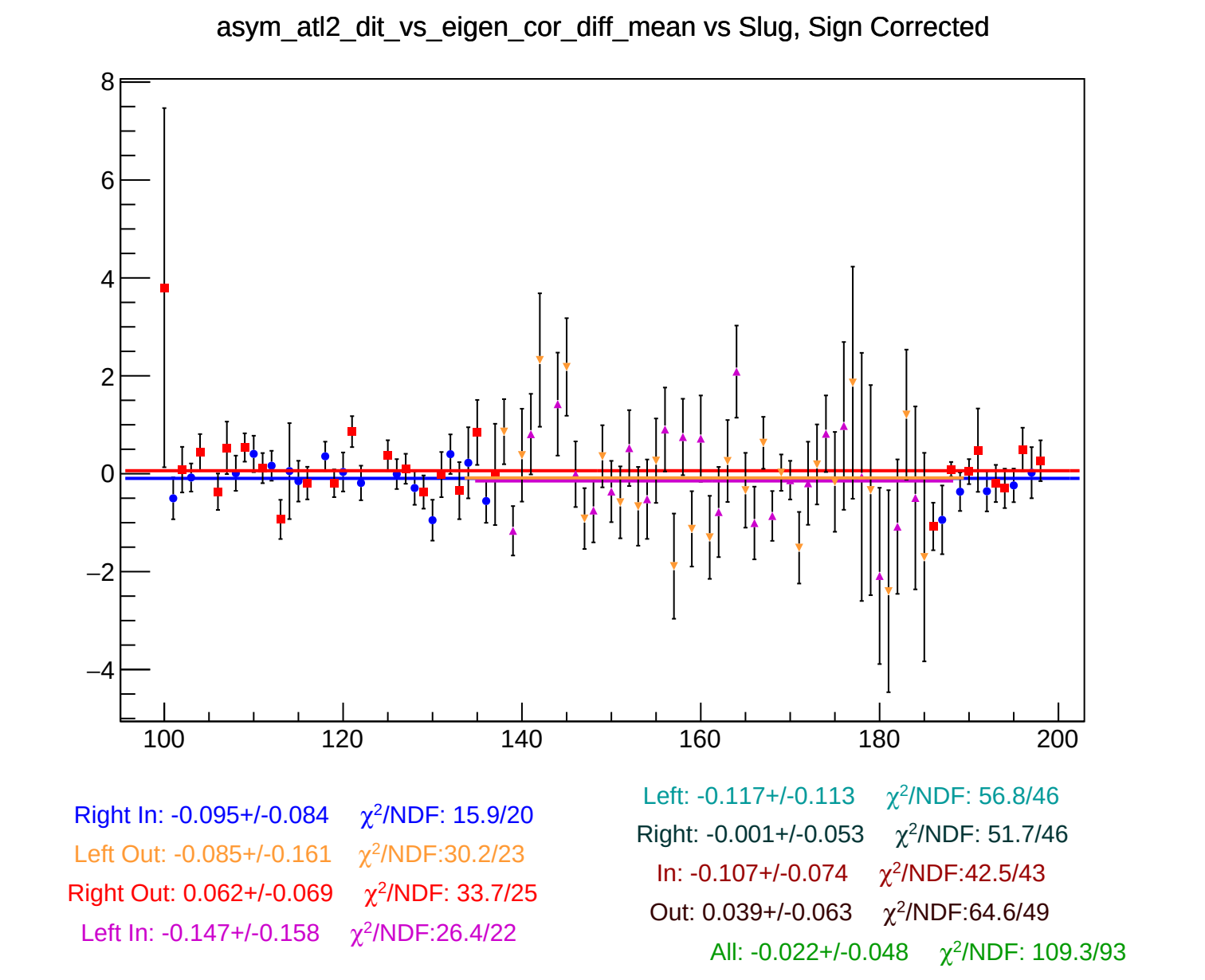
In: 0.000+/-0.000 χ^2/NDF:5408870.1/43

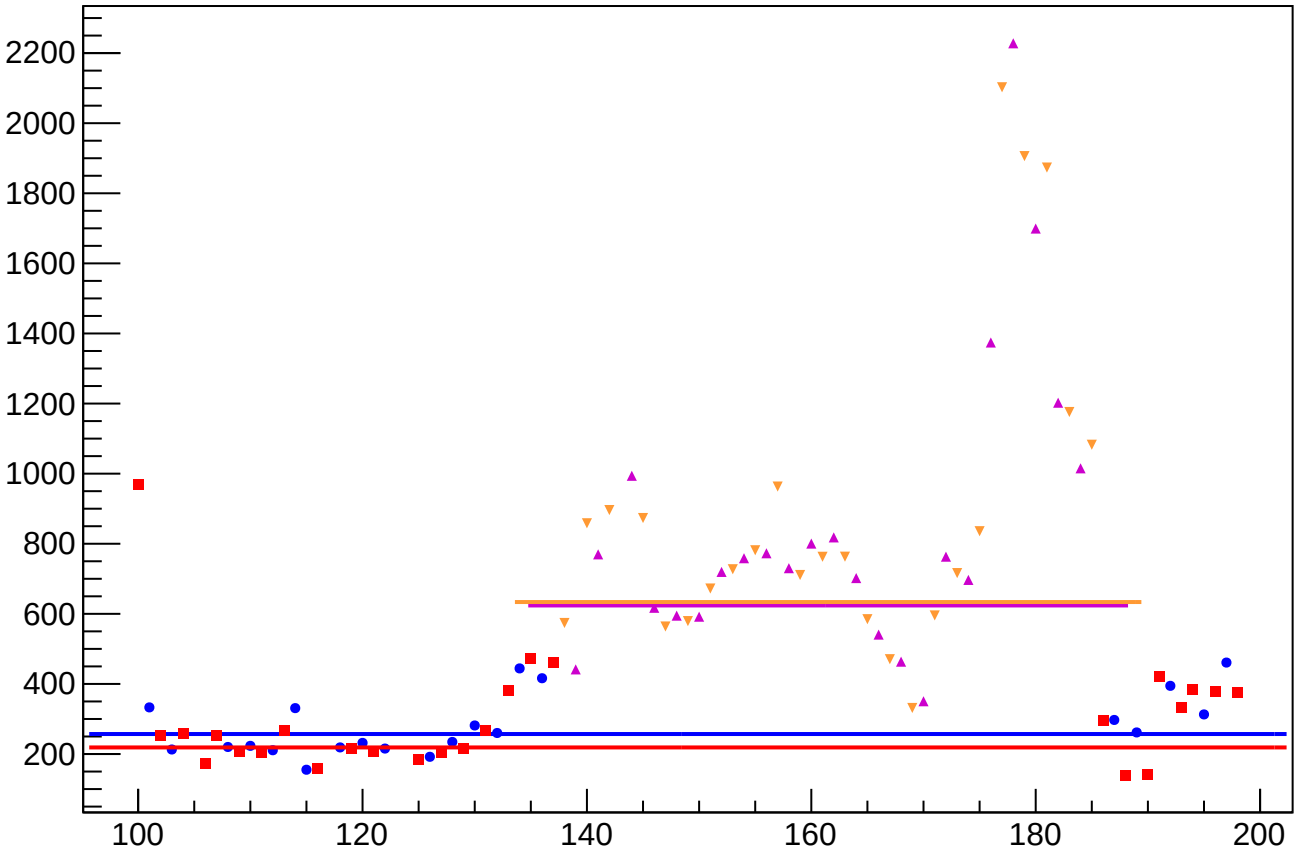
Out: 0.000+/-0.000 χ^2/NDF:14286340.5/51

All: 0.000+/-0.000 χ^2/NDF: 23060606.1/95


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: -0.095+/-0.084 χ²/NDF: 15.9/20
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.062+/-0.069 χ²/NDF: 33.7/25
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: -0.001+/-0.053 χ²/NDF: 51.7/46
In: -0.107+/-0.074 χ²/NDF:42.5/43
Out: 0.039+/-0.063 χ²/NDF:64.6/49
All: -0.022+/-0.048 χ²/NDF: 109.3/93


asym_atl2_dit_vs_cor_diff_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 257.063+/-0.060 χ²/NDF: 1477095.2/20
Left Out: 633.674+/-0.114 χ²/NDF:4994105.8/23
Right Out: 218.792+/-0.049 χ²/NDF: 2834753.5/25
Left In: 623.916+/-0.112 χ²/NDF:4541431.8/22
Left: 628.697+/-0.080 χ²/NDF: 9539265.1/46
Right: 234.046+/-0.038 χ²/NDF: 4558904.4/46
In: 338.403+/-0.053 χ²/NDF:14387467.2/43
Out: 282.481+/-0.045 χ²/NDF:19010984.8/49
All: 305.906+/-0.034 χ²/NDF: 34053362.9/93


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: -0.095+/-0.084 χ²/NDF: 15.9/20
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.062+/-0.069 χ²/NDF: 33.7/25
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: -0.001+/-0.053 χ²/NDF: 51.7/46
In: -0.107+/-0.074 χ²/NDF:42.5/43
Out: 0.039+/-0.063 χ²/NDF:64.6/49
All: -0.022+/-0.048 χ²/NDF: 109.3/93



Right In: 257.063+/-0.060 χ^2/NDF: 1477095.2/20

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 218.792+/-0.049 χ^2/NDF: 2834753.5/25

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

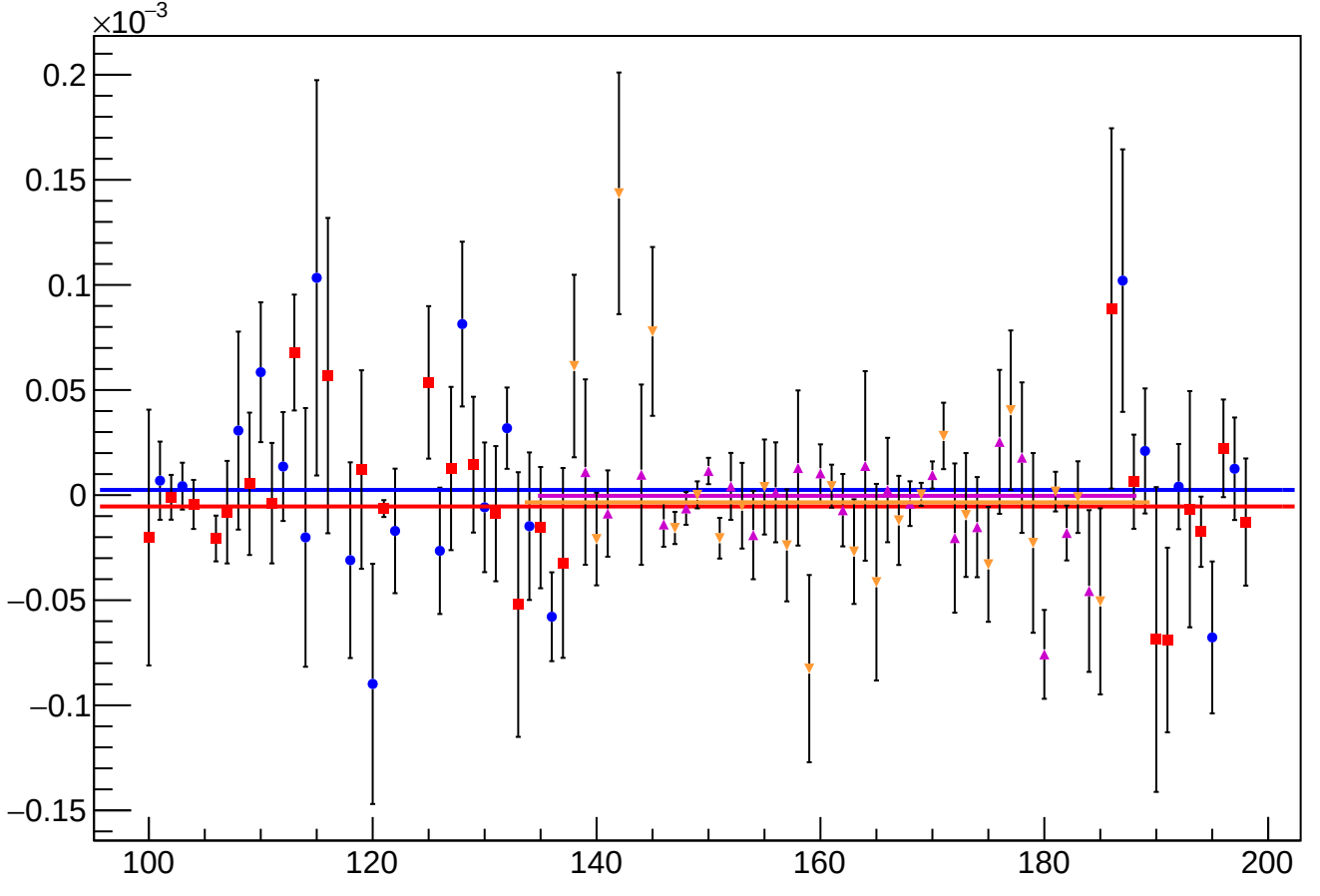
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 234.046+/-0.038 χ^2/NDF: 4558904.4/46

In: 338.403+/-0.053 χ^2/NDF:14387467.2/43

Out: 282.481+/-0.045 χ^2/NDF:19010984.8/49

All: 305.906+/-0.034 χ^2/NDF: 34053362.9/93



Right In: 0.000+/-0.000 χ^2/NDF: 30.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/25

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

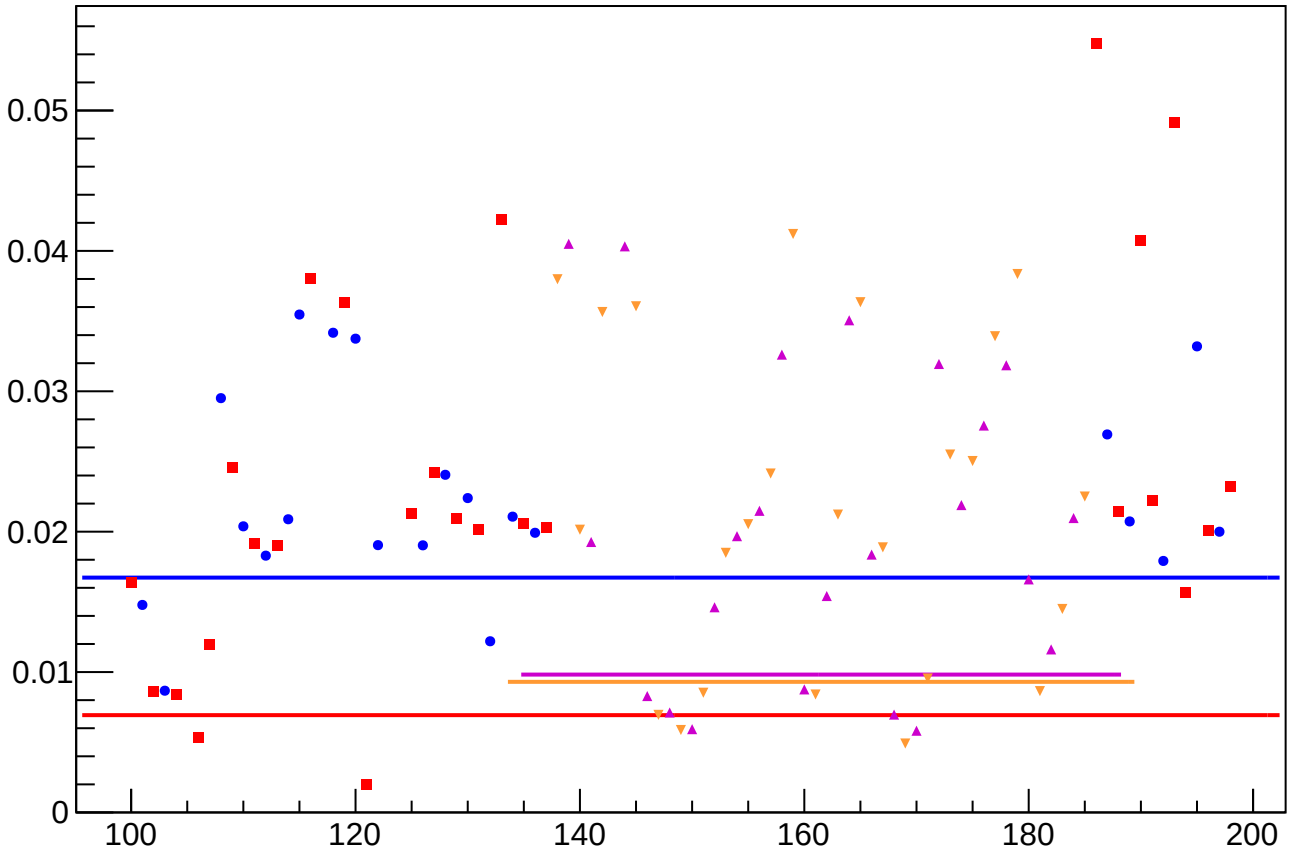
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: -0.000+/-0.000 χ^2/NDF: 53.3/46

In: 0.000+/-0.000 χ^2/NDF:59.0/43

Out: -0.000+/-0.000 χ^2/NDF:55.4/49

All: -0.000+/-0.000 χ^2/NDF: 116.3/93



Right In: 0.017+/-0.000 χ^2/NDF: 2686721.1/20

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.007+/-0.000 χ^2/NDF: 13369716.8/25

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

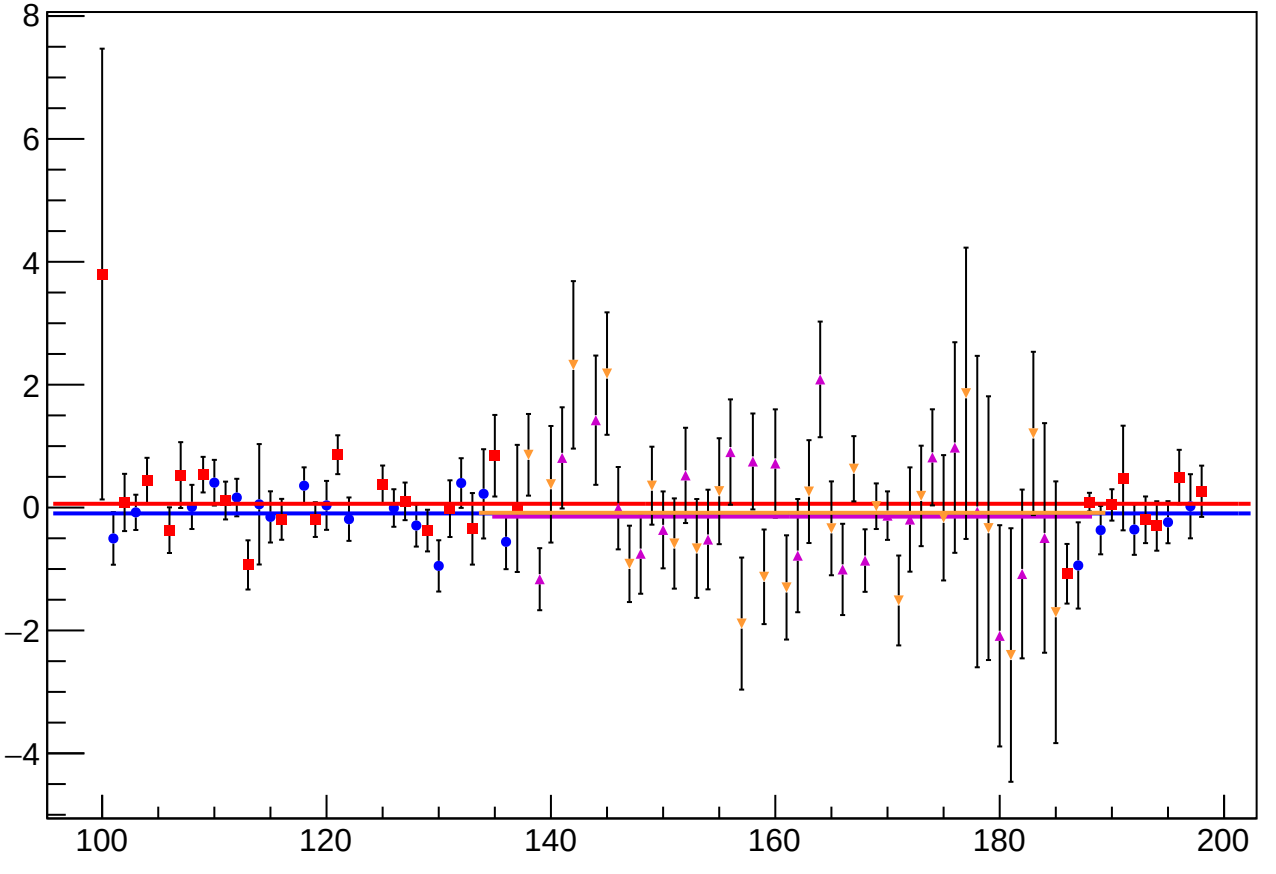
Right: 0.009+/-0.000 χ^2/NDF: 20658491.2/46

In: 0.011+/-0.000 χ^2/NDF:15333933.3/43

Out: 0.008+/-0.000 χ^2/NDF:26260783.0/49

All: 0.009+/-0.000 χ^2/NDF: 43256890.2/93

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.084 χ^2/NDF: 16.0/20

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.062+/-0.069 χ^2/NDF: 33.7/25

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

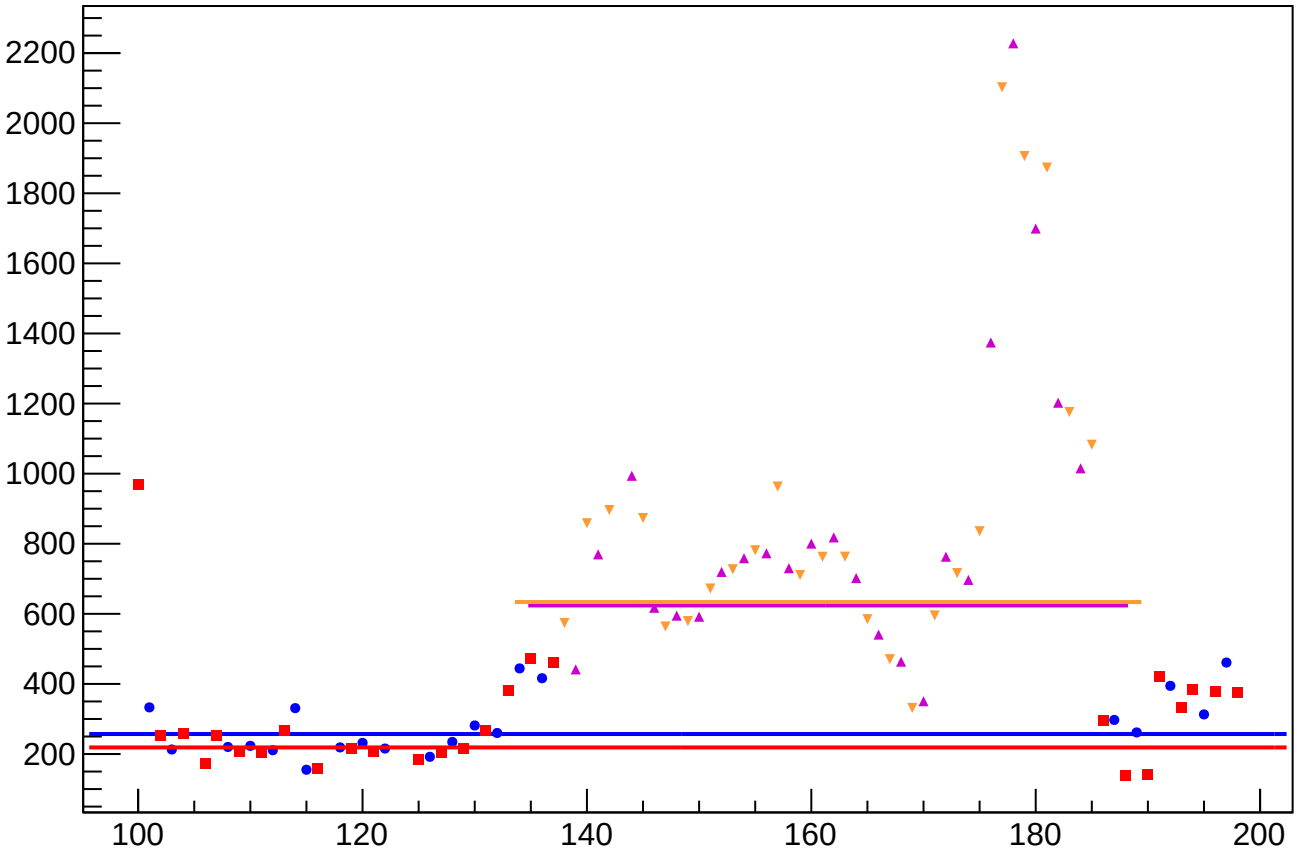
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: -0.001+/-0.053 χ^2/NDF: 51.7/46

In: -0.107+/-0.074 χ^2/NDF:42.5/43

Out: 0.039+/-0.063 χ^2/NDF:64.6/49

All: -0.022+/-0.048 χ^2/NDF: 109.3/93



Right In: 257.064+/-0.060 χ^2/NDF: 1477059.0/20

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 218.790+/-0.049 χ^2/NDF: 2834854.5/25

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

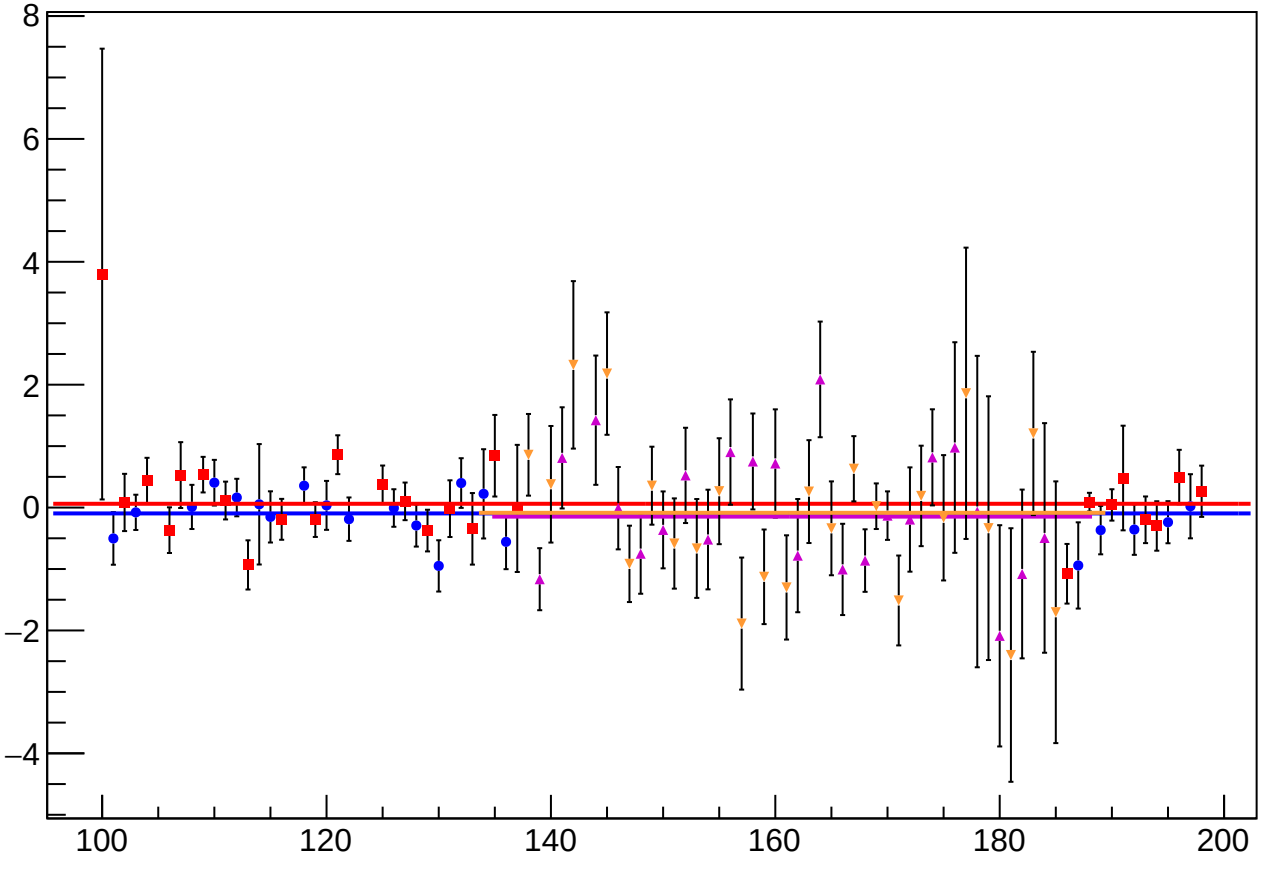
Right: 234.045+/-0.038 χ^2/NDF: 4559014.3/46

In: 338.405+/-0.053 χ^2/NDF:14387515.8/43

Out: 282.478+/-0.045 χ^2/NDF:19011387.1/49

All: 305.904+/-0.034 χ^2/NDF: 34053915.1/93

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.084 χ^2/NDF: 16.0/20

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.062+/-0.069 χ^2/NDF: 33.7/25

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

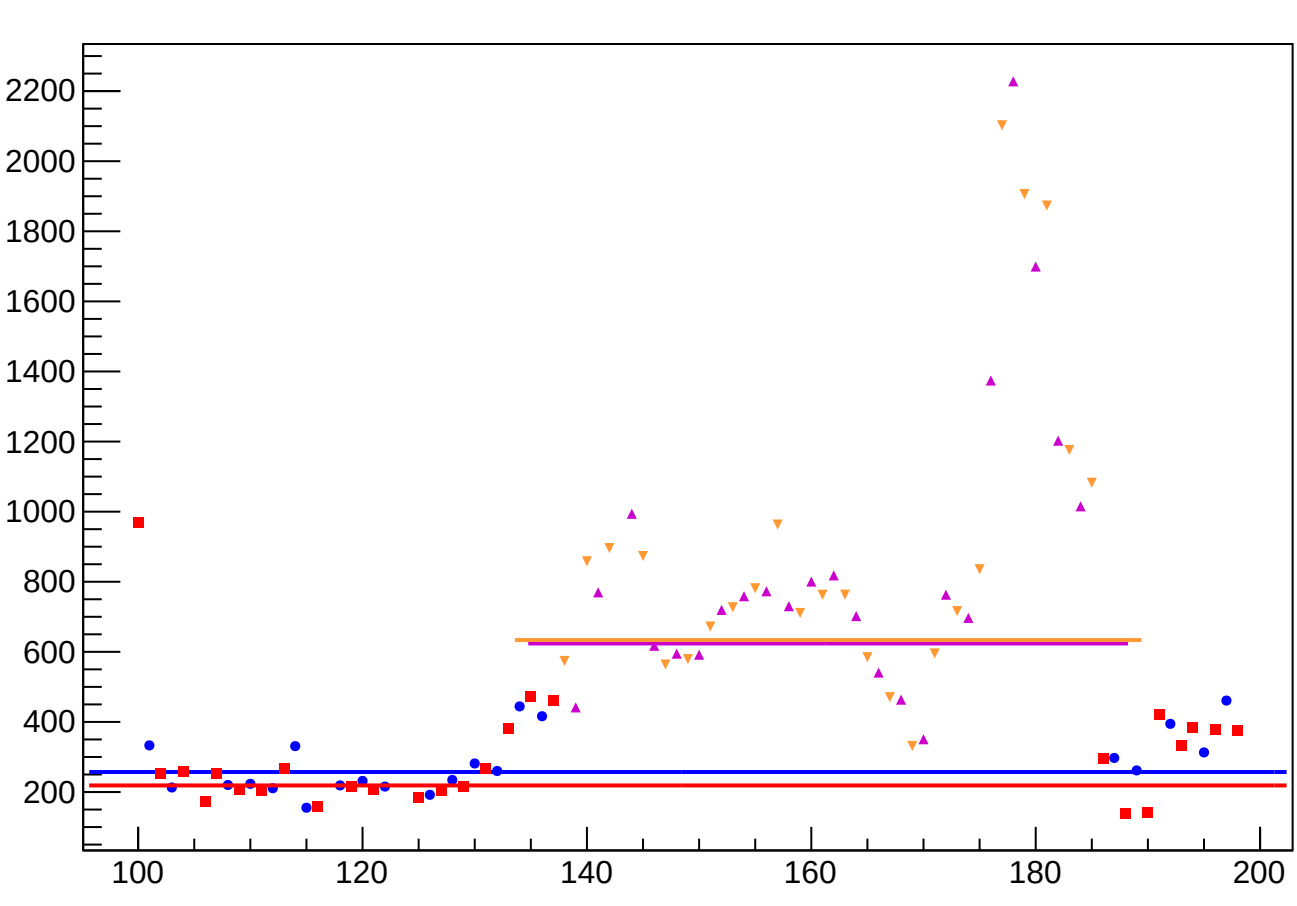
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: -0.001+/-0.053 χ^2/NDF: 51.7/46

In: -0.107+/-0.074 χ^2/NDF:42.5/43

Out: 0.039+/-0.063 χ^2/NDF:64.6/49

All: -0.022+/-0.048 χ^2/NDF: 109.3/93



Right In: 257.064+/-0.060 χ^2/NDF: 1477059.0/20

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 218.790+/-0.049 χ^2/NDF: 2834854.5/25

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

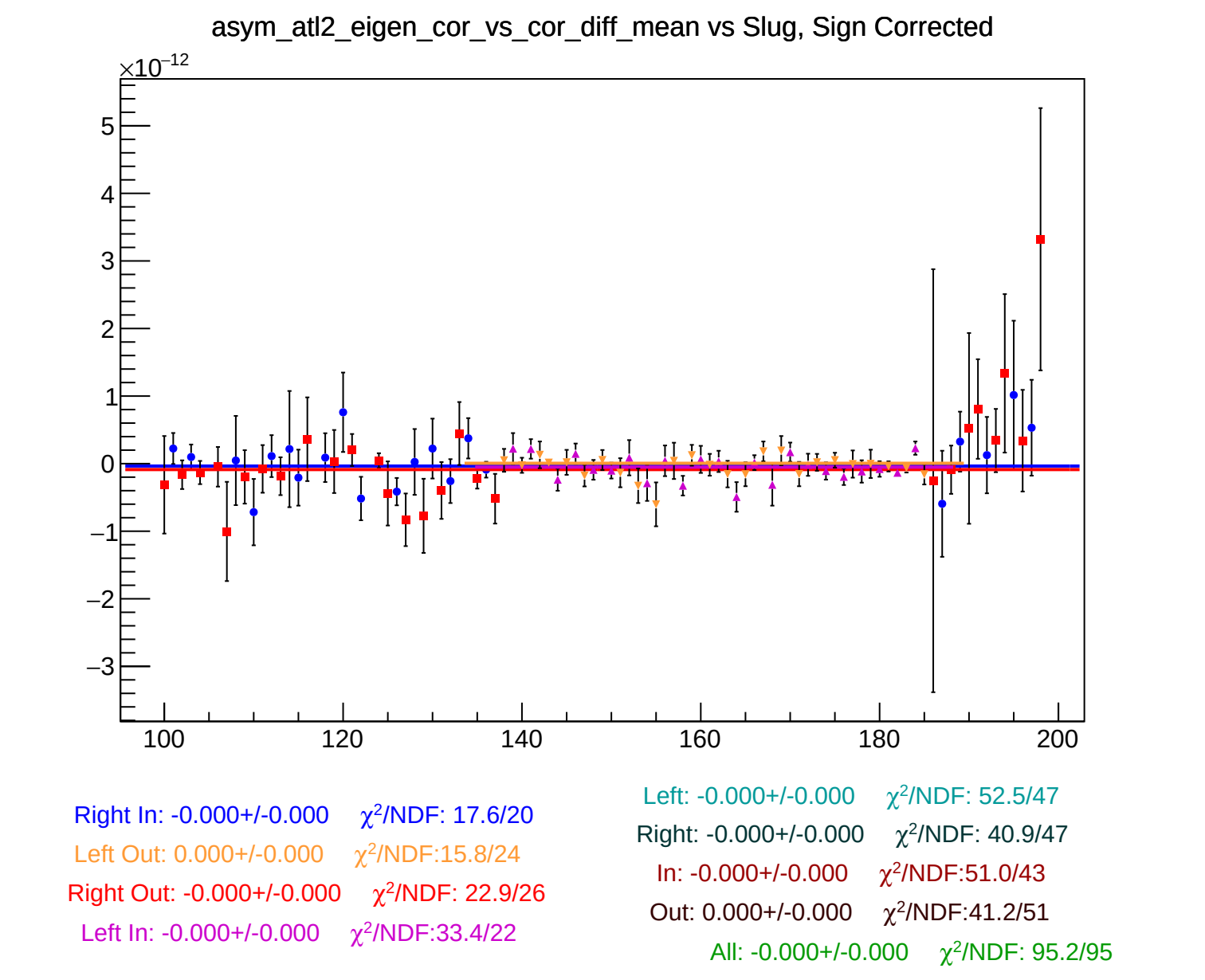
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

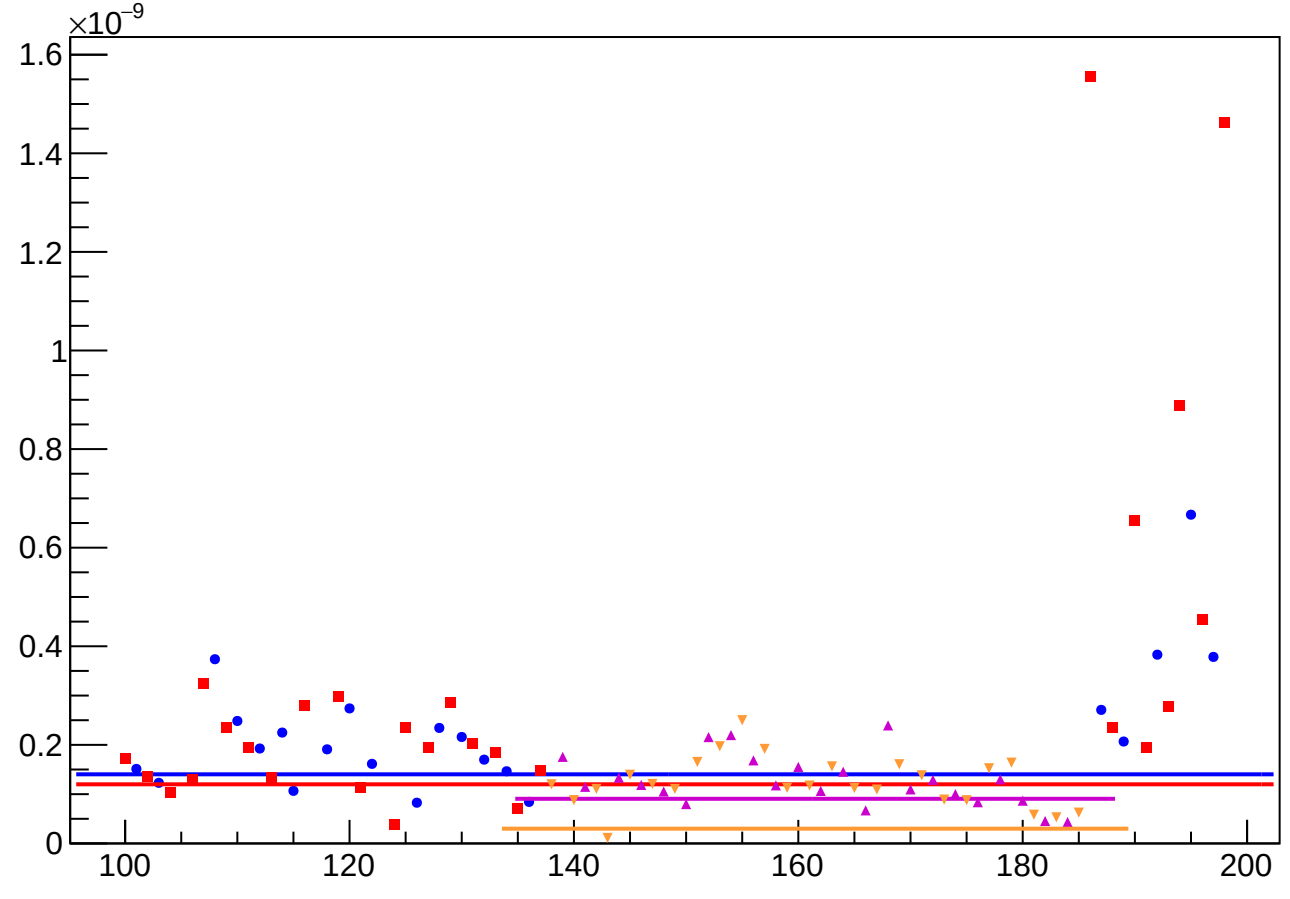
Right: 234.045+/-0.038 χ^2/NDF: 4559014.3/46

In: 338.405+/-0.053 χ^2/NDF:14387515.8/43

Out: 282.478+/-0.045 χ^2/NDF:19011387.1/49

All: 305.904+/-0.034 χ^2/NDF: 34053915.1/93


asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 17.6/20
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 22.9/26
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: 40.9/47
In: -0.000+/-0.000 χ²/NDF:51.0/43
Out: 0.000+/-0.000 χ²/NDF:41.2/51
All: -0.000+/-0.000 χ²/NDF: 95.2/95



Right In: 0.000+/-0.000 χ^2/NDF: 2532378.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6130276.7/26

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

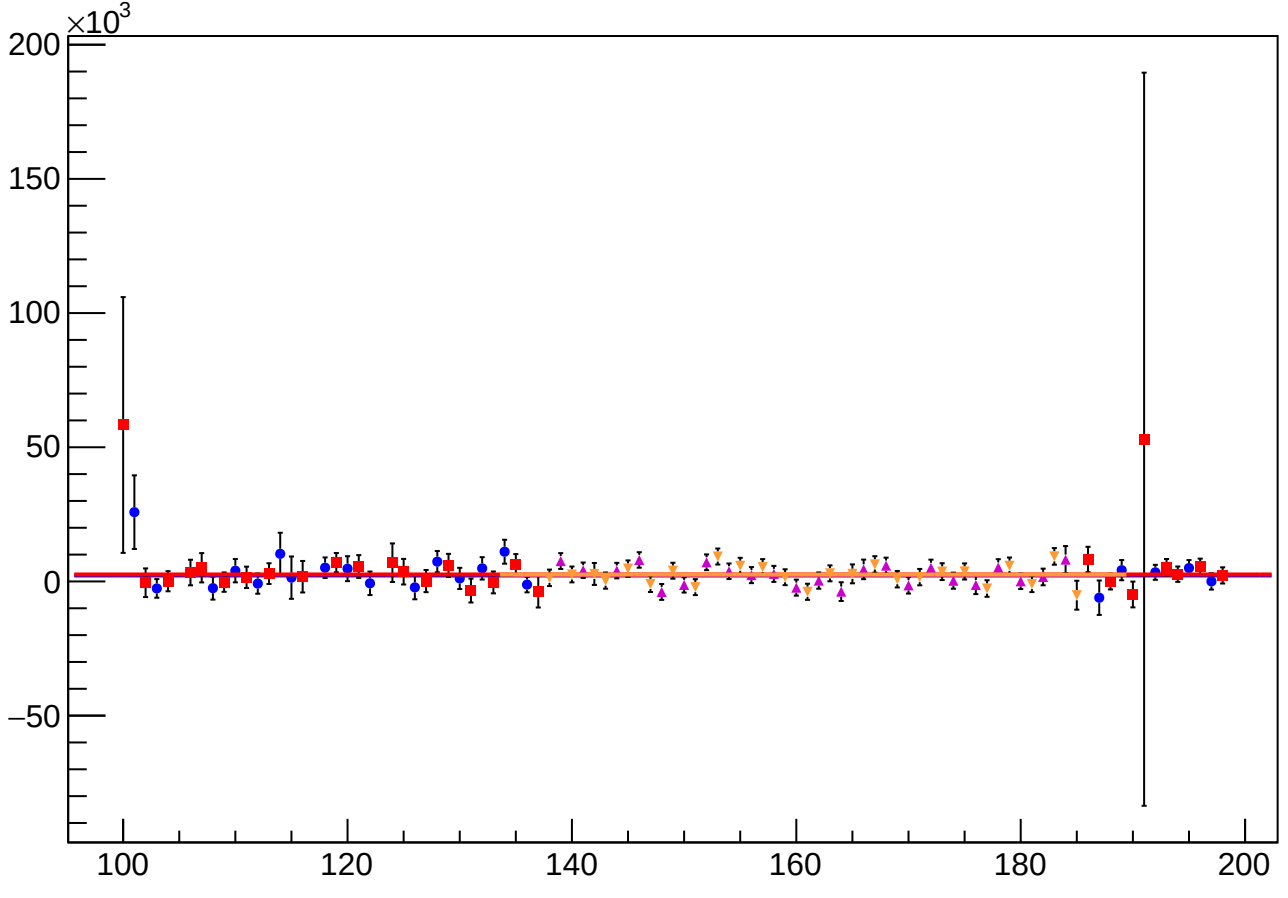
Right: 0.000+/-0.000 χ^2/NDF: 8770838.6/47

In: 0.000+/-0.000 χ^2/NDF:8218457.9/43

Out: 0.000+/-0.000 χ^2/NDF:28067432.2/51

All: 0.000+/-0.000 χ^2/NDF: 45906026.6/95

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2234.041+/-871.389 χ^2/NDF: 21.3/20

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: 2597.917+/-796.574 χ^2/NDF: 17.1/26

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

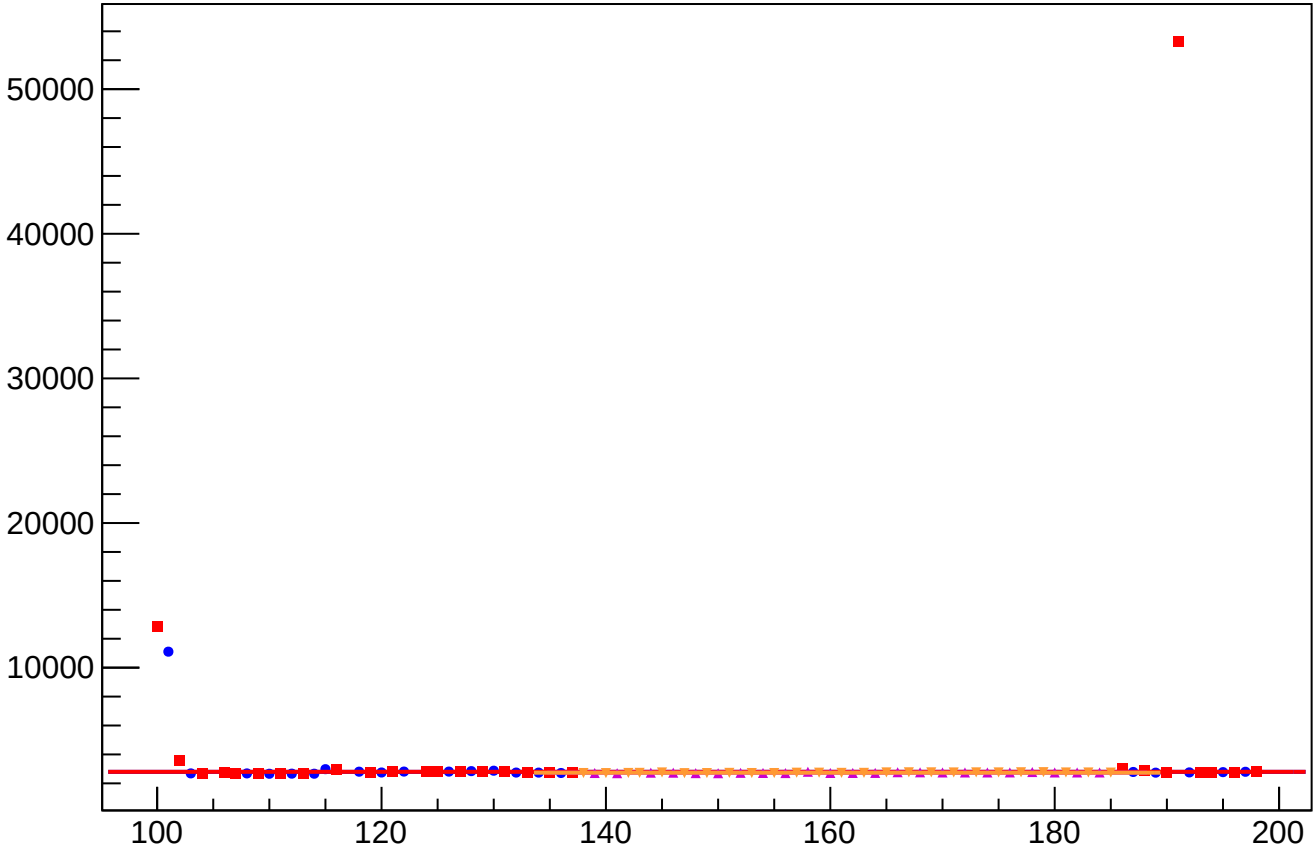
Right: 2432.268+/-587.936 χ^2/NDF: 38.6/47

In: 2347.285+/-515.679 χ^2/NDF:52.7/43

Out: 2572.386+/-490.164 χ^2/NDF:48.7/51

All: 2465.542+/-355.276 χ^2/NDF: 101.5/95

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2793.996+/-0.616 χ^2/NDF: 747310.4/20

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2798.042+/-0.563 χ^2/NDF: 478602.4/26

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

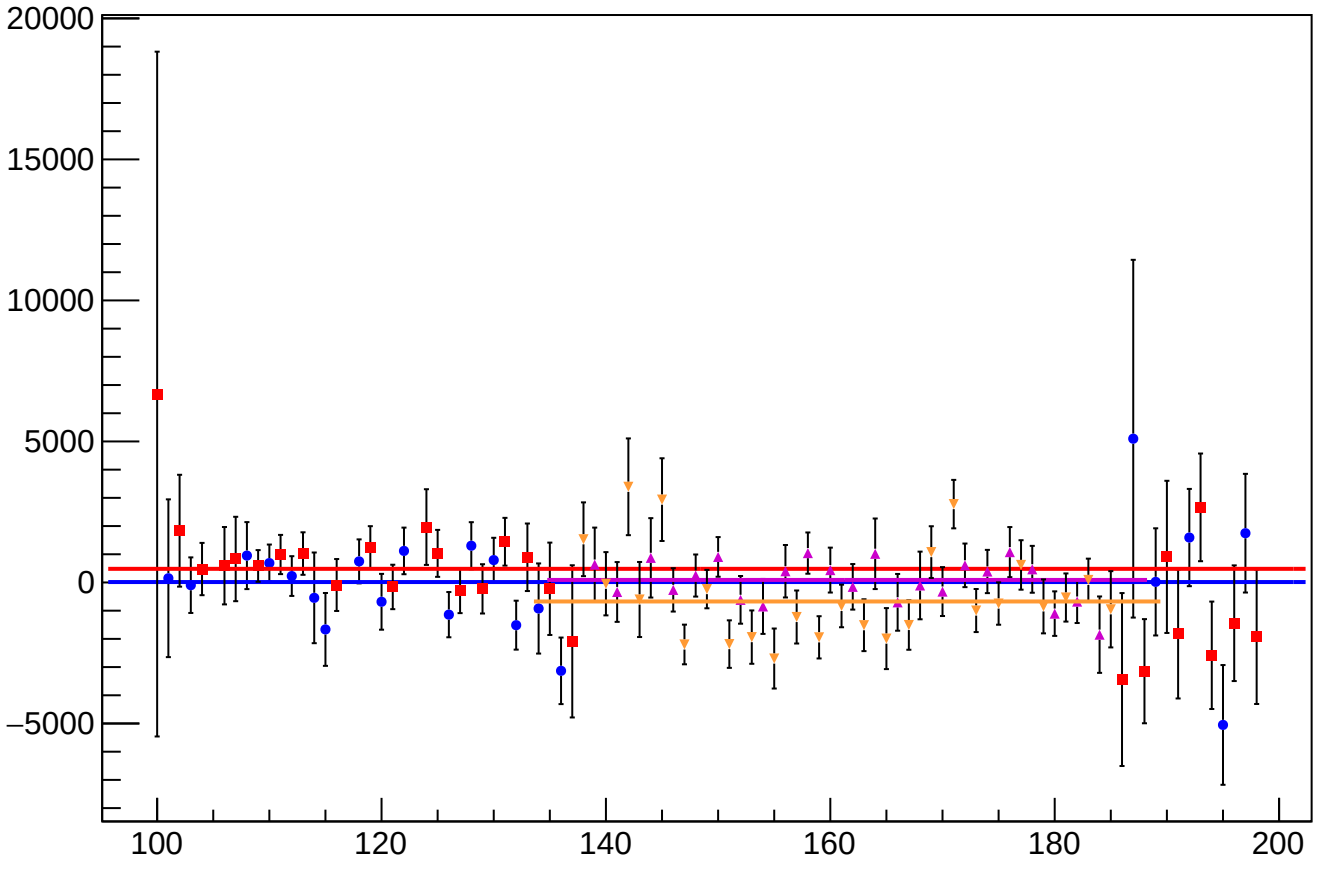
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2796.200+/-0.416 χ^2/NDF: 1225936.3/47

In: 2758.821+/-0.365 χ^2/NDF:755687.6/43

Out: 2760.436+/-0.347 χ^2/NDF:488094.1/51

All: 2759.669+/-0.251 χ^2/NDF: 1243792.0/95



Right In: 14.937+/-226.864 χ^2/NDF: 30.6/20

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: 483.416+/-207.900 χ^2/NDF: 22.0/26

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

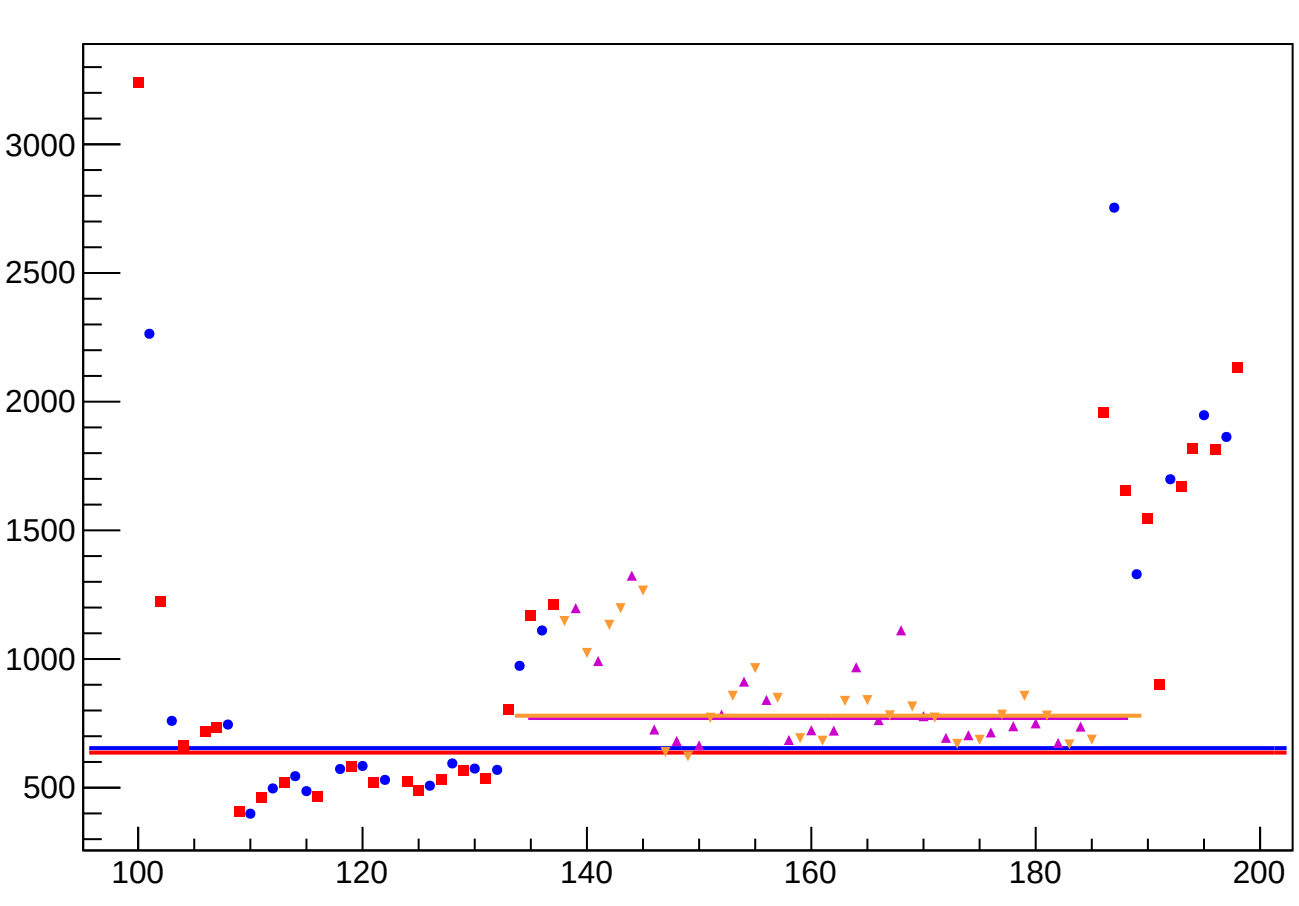
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 269.572+/-153.274 χ^2/NDF: 55.0/47

In: 60.024+/-142.667 χ^2/NDF:45.5/43

Out: -174.071+/-136.612 χ^2/NDF:98.0/51

All: -62.097+/-98.670 χ^2/NDF: 144.9/95



Right In: 653.793+/-0.160 χ^2/NDF: 4322326.5/20

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 636.418+/-0.147 χ^2/NDF: 5446994.1/26

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

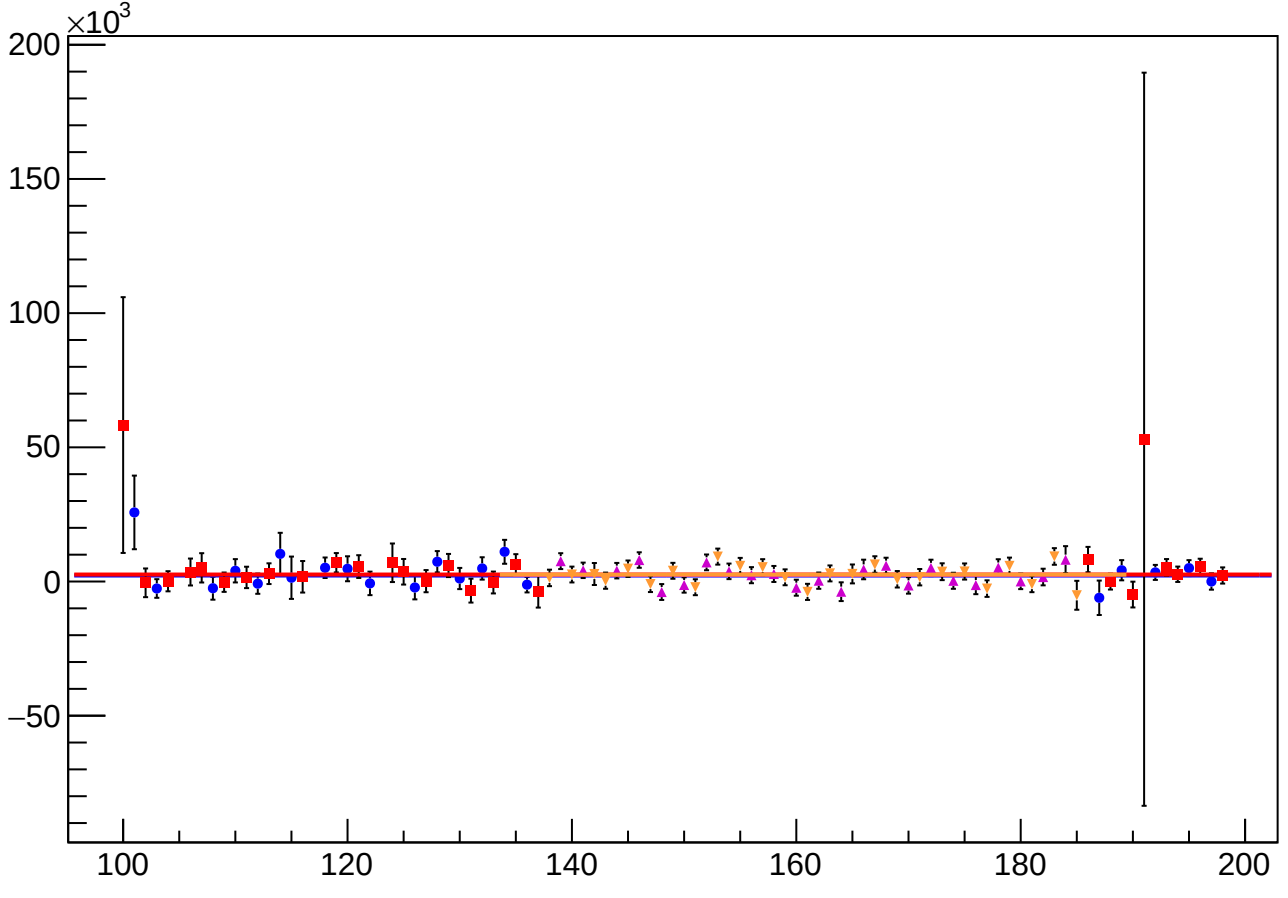
Right: 644.349+/-0.108 χ^2/NDF: 9775696.9/47

In: 724.524+/-0.101 χ^2/NDF:5720271.3/43

Out: 717.841+/-0.097 χ^2/NDF:7230632.5/51

All: 721.038+/-0.070 χ^2/NDF: 12953192.7/95

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2233.600+/-871.389 χ^2/NDF: 21.3/20

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2601.919+/-797.658 χ^2/NDF: 17.1/26

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

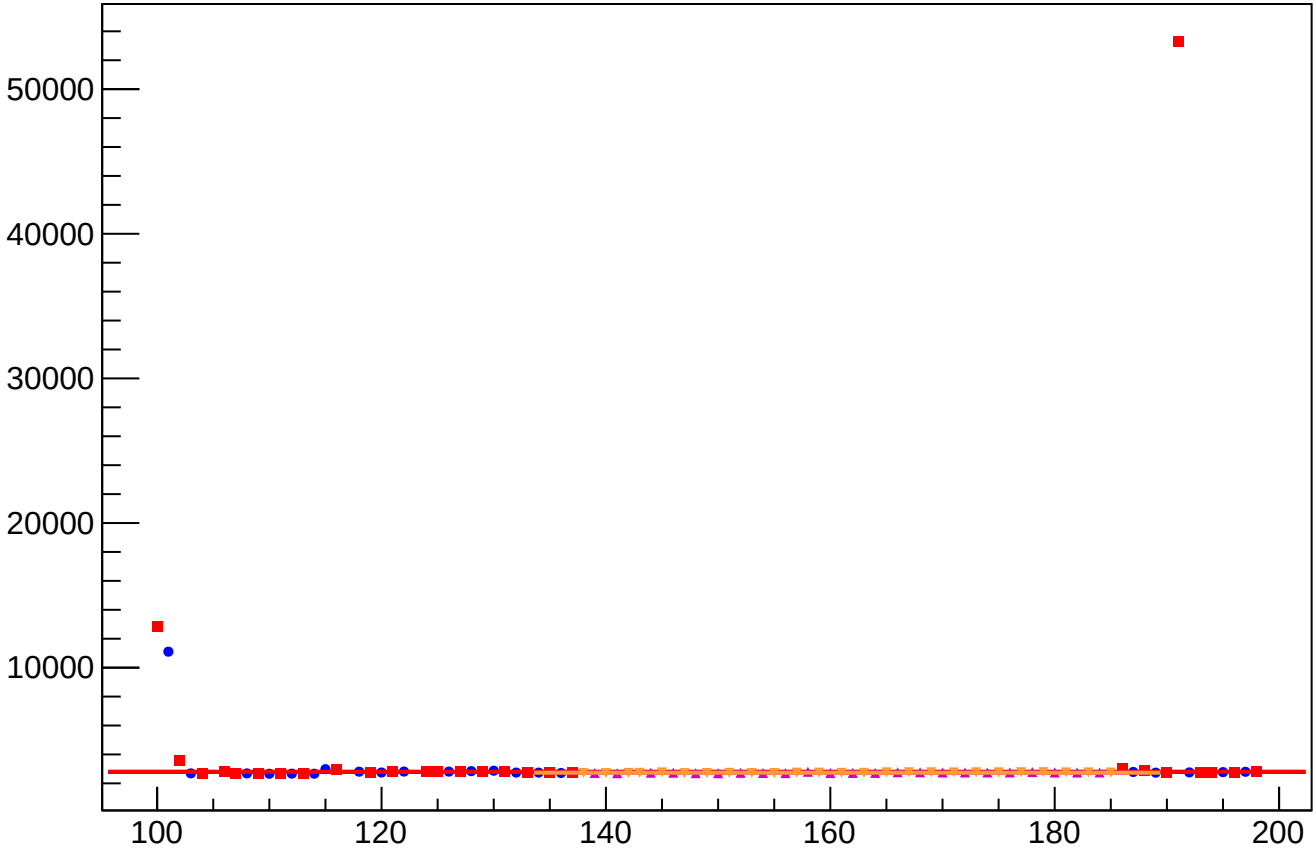
Right: 2433.998+/-588.372 χ^2/NDF: 38.6/47

In: 2347.222+/-515.679 χ^2/NDF:52.7/43

Out: 2573.847+/-490.416 χ^2/NDF:48.7/51

All: 2466.221+/-355.372 χ^2/NDF: 101.5/95

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2793.996+/-0.616 χ^2/NDF: 747309.5/20

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2801.220+/-0.564 χ^2/NDF: 478186.0/26

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

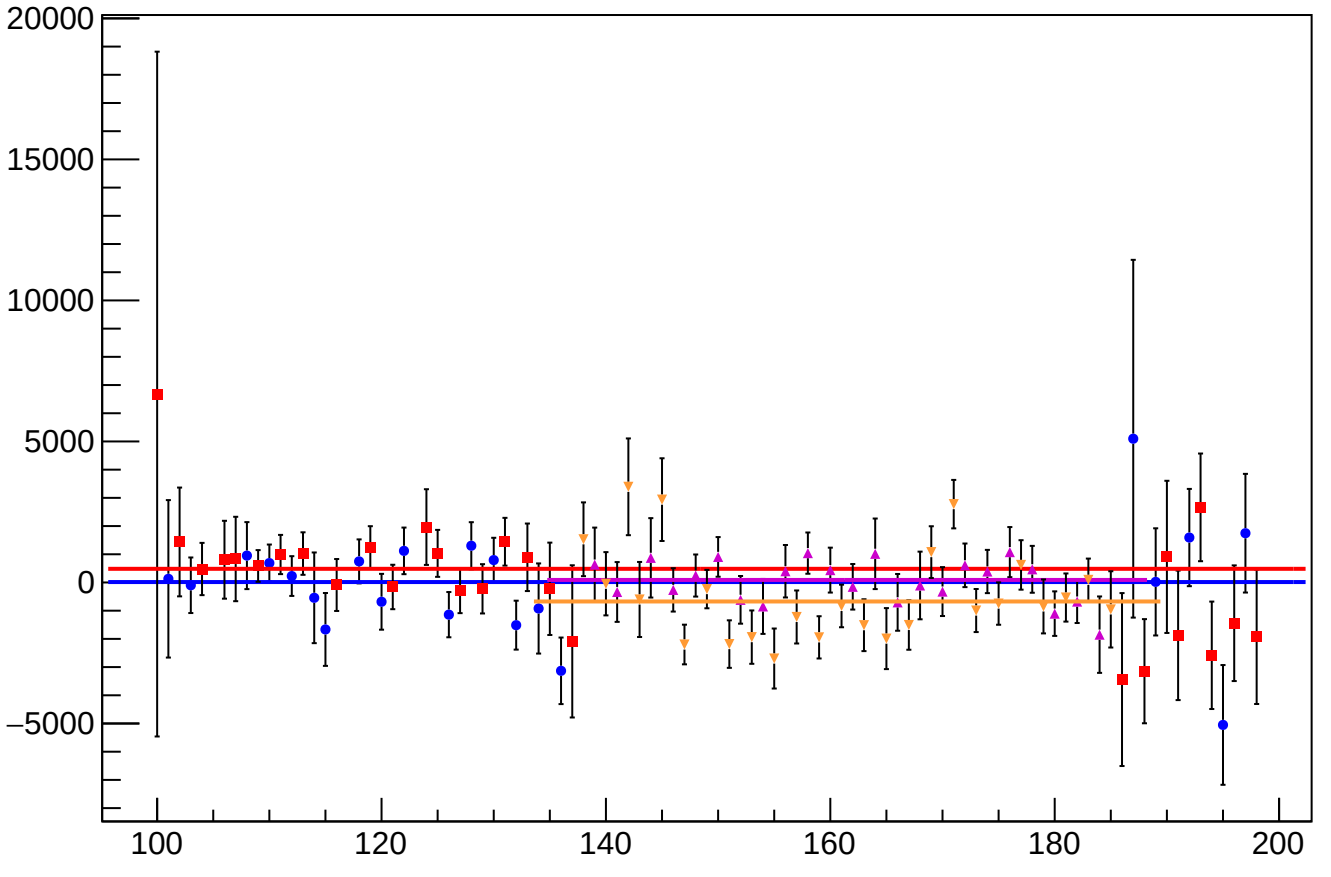
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2797.926+/-0.416 χ^2/NDF: 1225570.4/47

In: 2758.821+/-0.365 χ^2/NDF:755686.7/43

Out: 2761.598+/-0.347 χ^2/NDF:488437.4/51

All: 2760.279+/-0.251 χ^2/NDF: 1244154.6/95



Right In: 14.905+/-226.853 χ^2/NDF: 30.6/20

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 484.255+/-207.865 χ^2/NDF: 21.9/26

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

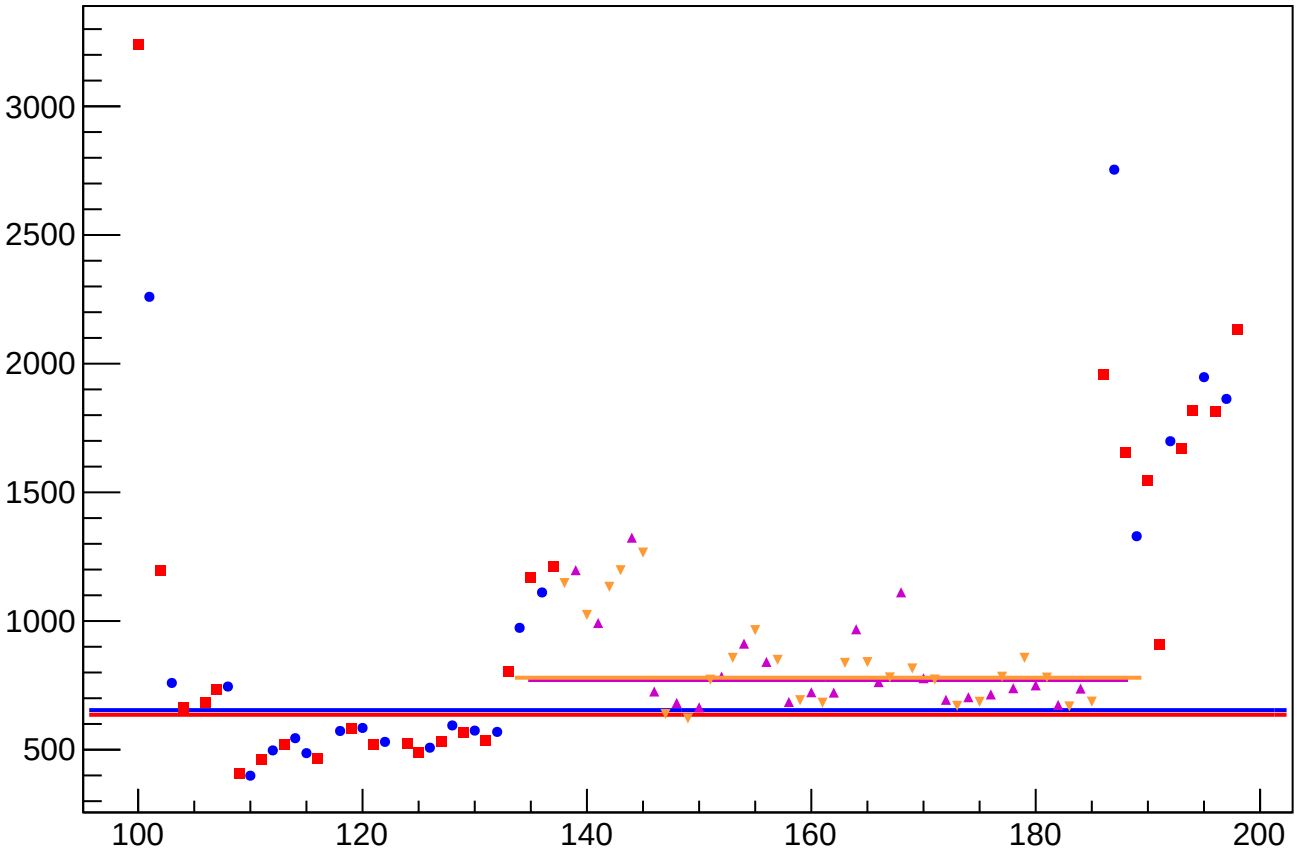
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 270.042+/-153.257 χ^2/NDF: 54.8/47

In: 60.085+/-142.665 χ^2/NDF:45.5/43

Out: -173.566+/-136.602 χ^2/NDF:97.9/51

All: -61.811+/-98.666 χ^2/NDF: 144.8/95



Right In: 653.785+/-0.160 χ^2/NDF: 4321364.5/20

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 635.733+/-0.147 χ^2/NDF: 5438405.1/26

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

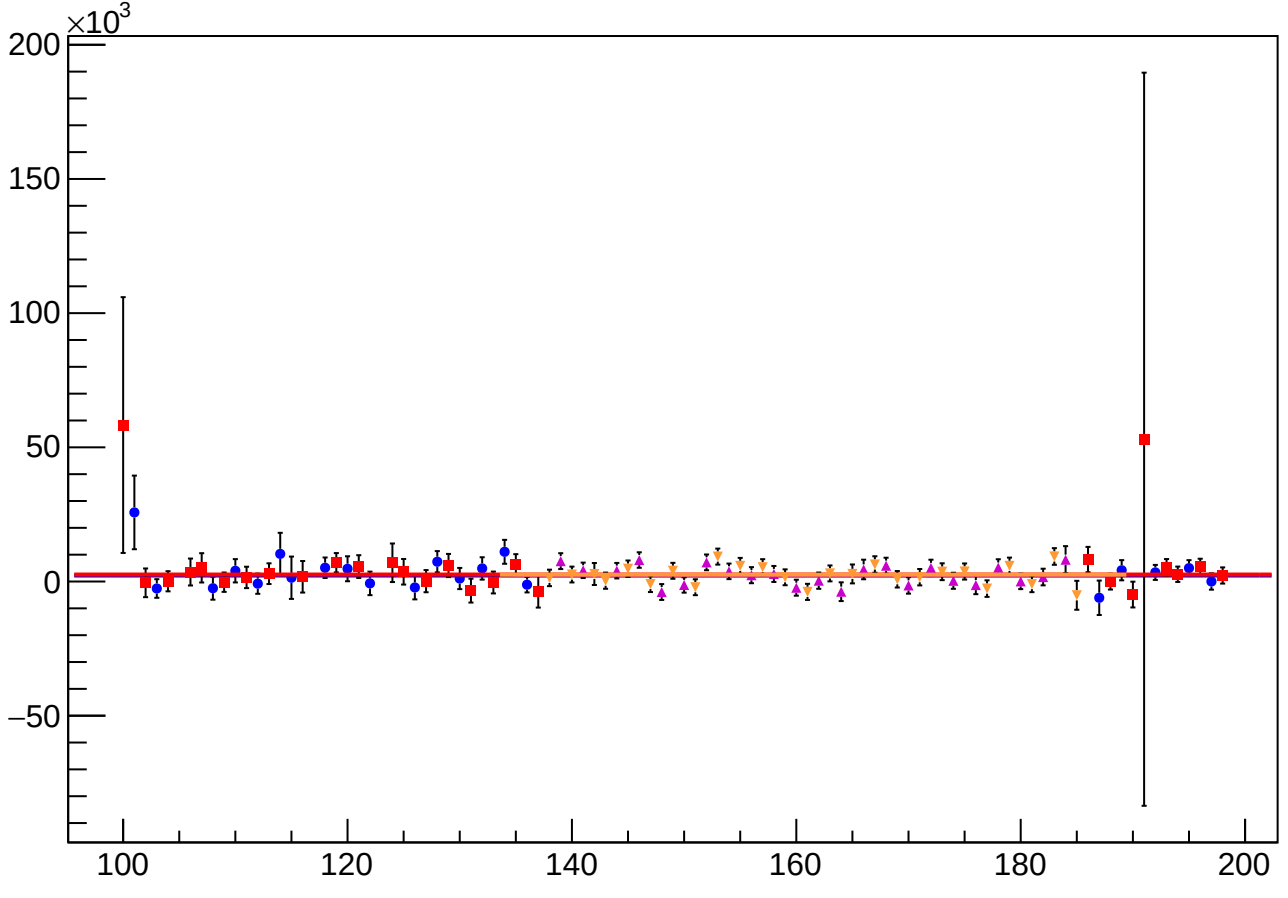
Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

Right: 643.972+/-0.108 χ^2/NDF: 9766654.1/47

In: 724.520+/-0.101 χ^2/NDF:5719326.6/43

Out: 717.533+/-0.097 χ^2/NDF:7227332.8/51

All: 720.875+/-0.070 χ^2/NDF: 12949162.3/95



Right In: 2233.600+/-871.389 χ^2/NDF: 21.3/20

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2601.919+/-797.658 χ^2/NDF: 17.1/26

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

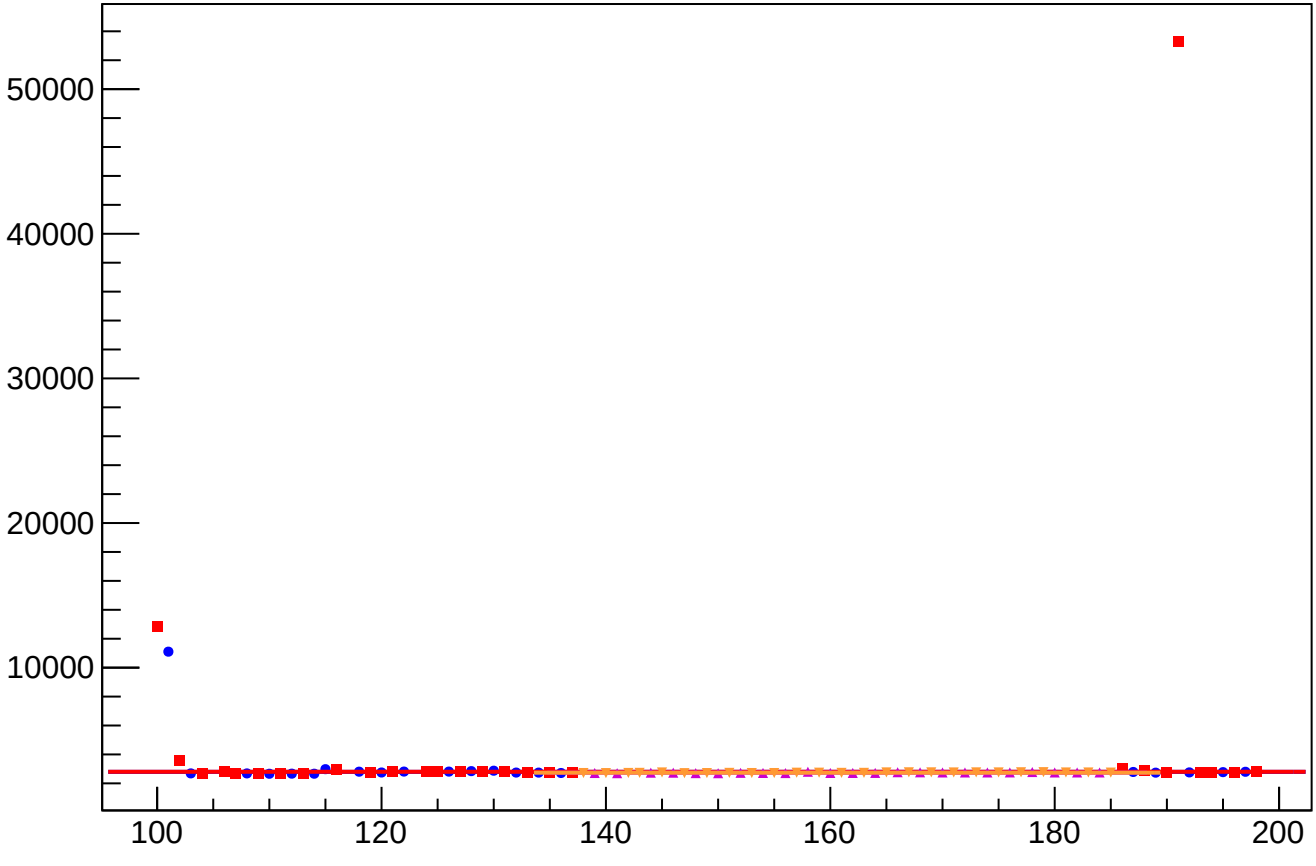
Right: 2433.998+/-588.372 χ^2/NDF: 38.6/47

In: 2347.222+/-515.679 χ^2/NDF:52.7/43

Out: 2573.847+/-490.416 χ^2/NDF:48.7/51

All: 2466.221+/-355.372 χ^2/NDF: 101.5/95

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2793.996+/-0.616 χ^2/NDF: 747309.5/20

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2801.220+/-0.564 χ^2/NDF: 478186.0/26

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

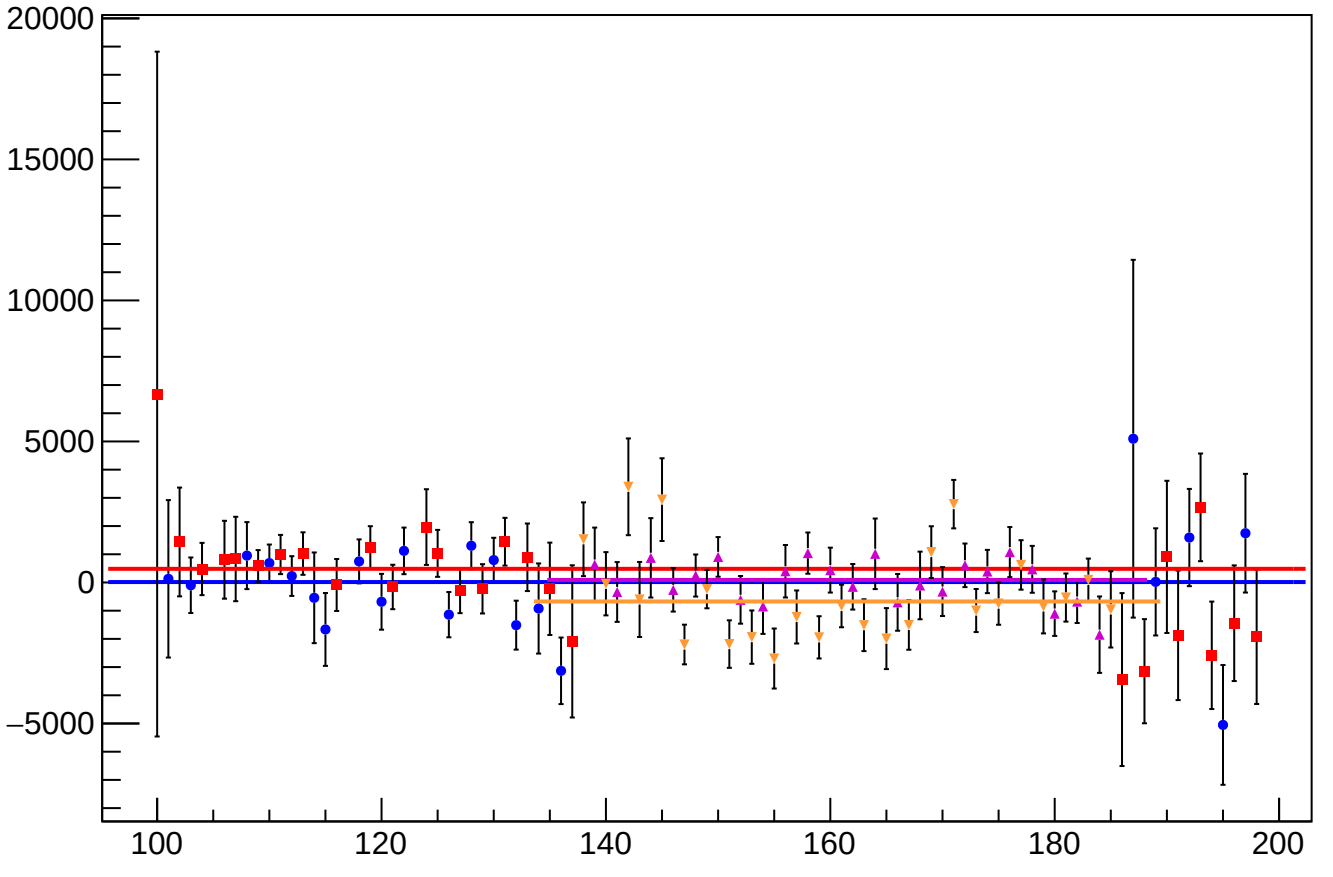
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2797.926+/-0.416 χ^2/NDF: 1225570.4/47

In: 2758.821+/-0.365 χ^2/NDF:755686.7/43

Out: 2761.598+/-0.347 χ^2/NDF:488437.4/51

All: 2760.279+/-0.251 χ^2/NDF: 1244154.6/95



Right In: 14.905+/-226.853 χ^2/NDF: 30.6/20

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 484.255+/-207.865 χ^2/NDF: 21.9/26

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

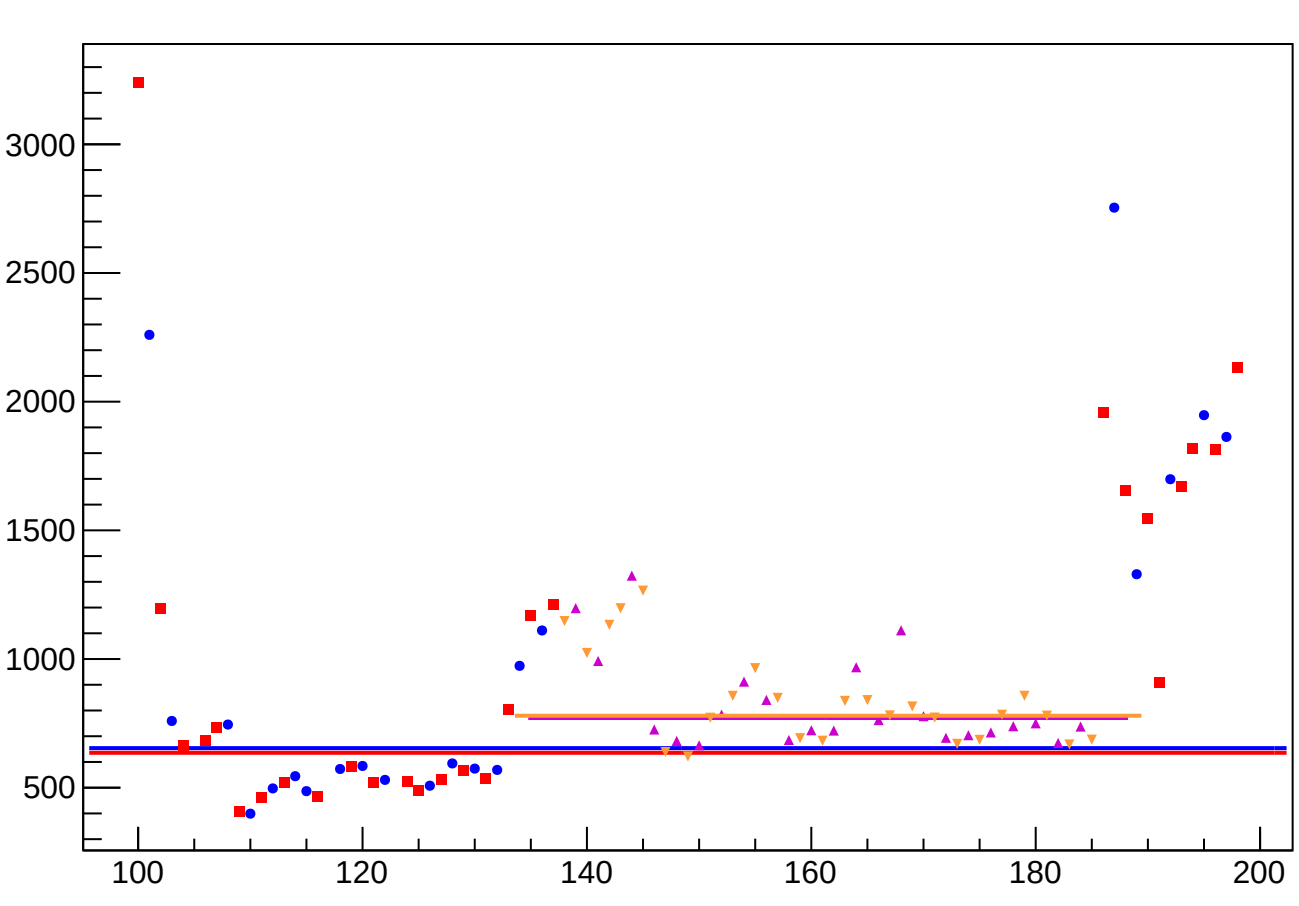
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 270.042+/-153.257 χ^2/NDF: 54.8/47

In: 60.085+/-142.665 χ^2/NDF:45.5/43

Out: -173.566+/-136.602 χ^2/NDF:97.9/51

All: -61.811+/-98.666 χ^2/NDF: 144.8/95



Right In: 653.785+/-0.160 χ^2/NDF: 4321364.5/20

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 635.733+/-0.147 χ^2/NDF: 5438405.1/26

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

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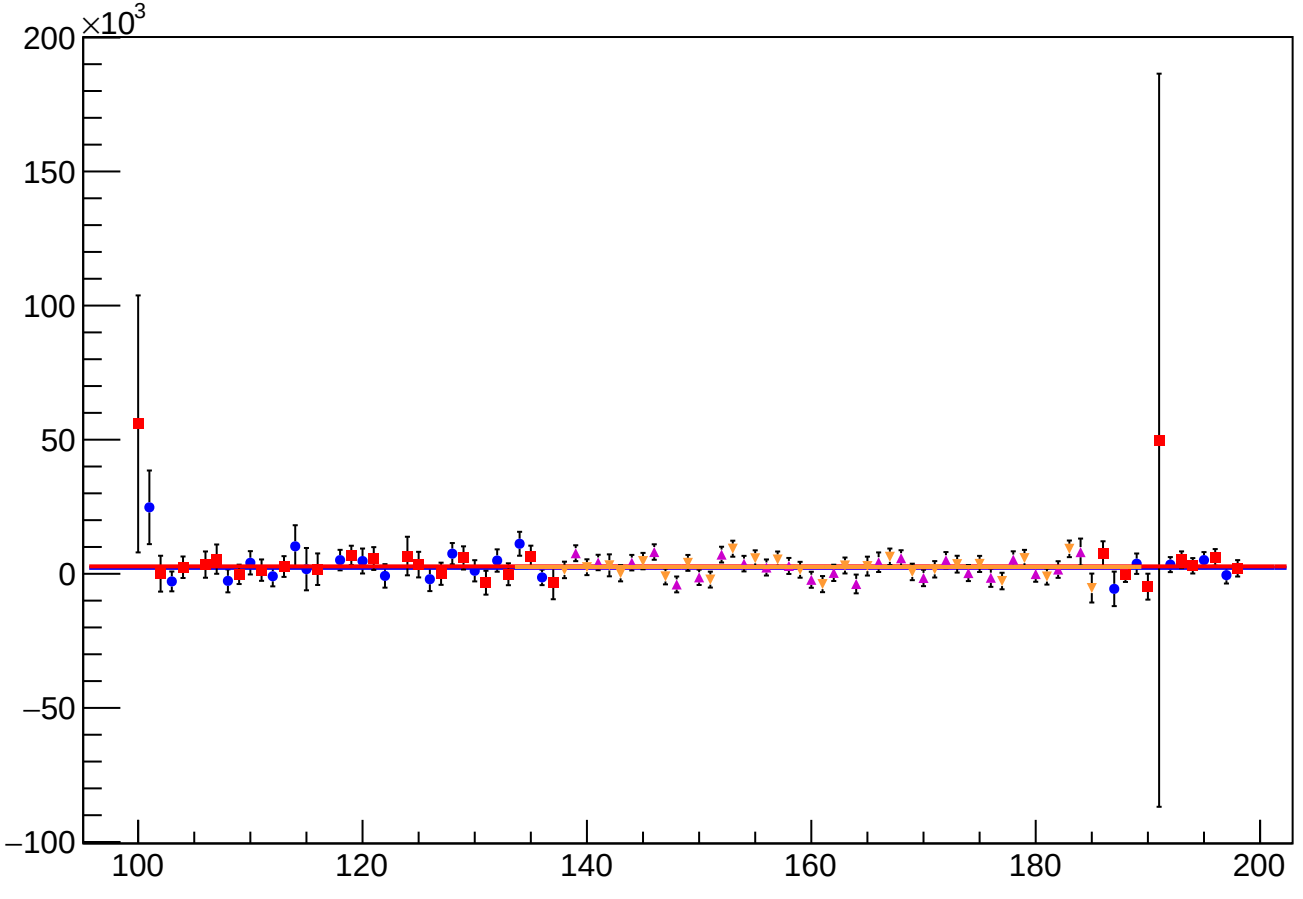
Right: 643.972+/-0.108 χ^2/NDF: 9766654.1/47

In: 724.520+/-0.101 χ^2/NDF:5719326.6/43

Out: 717.533+/-0.097 χ^2/NDF:7227332.8/51

All: 720.875+/-0.070 χ^2/NDF: 12949162.3/95

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2211.971+/-877.860 χ^2/NDF: 21.4/20

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: 2772.755+/-805.111 χ^2/NDF: 16.2/26

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

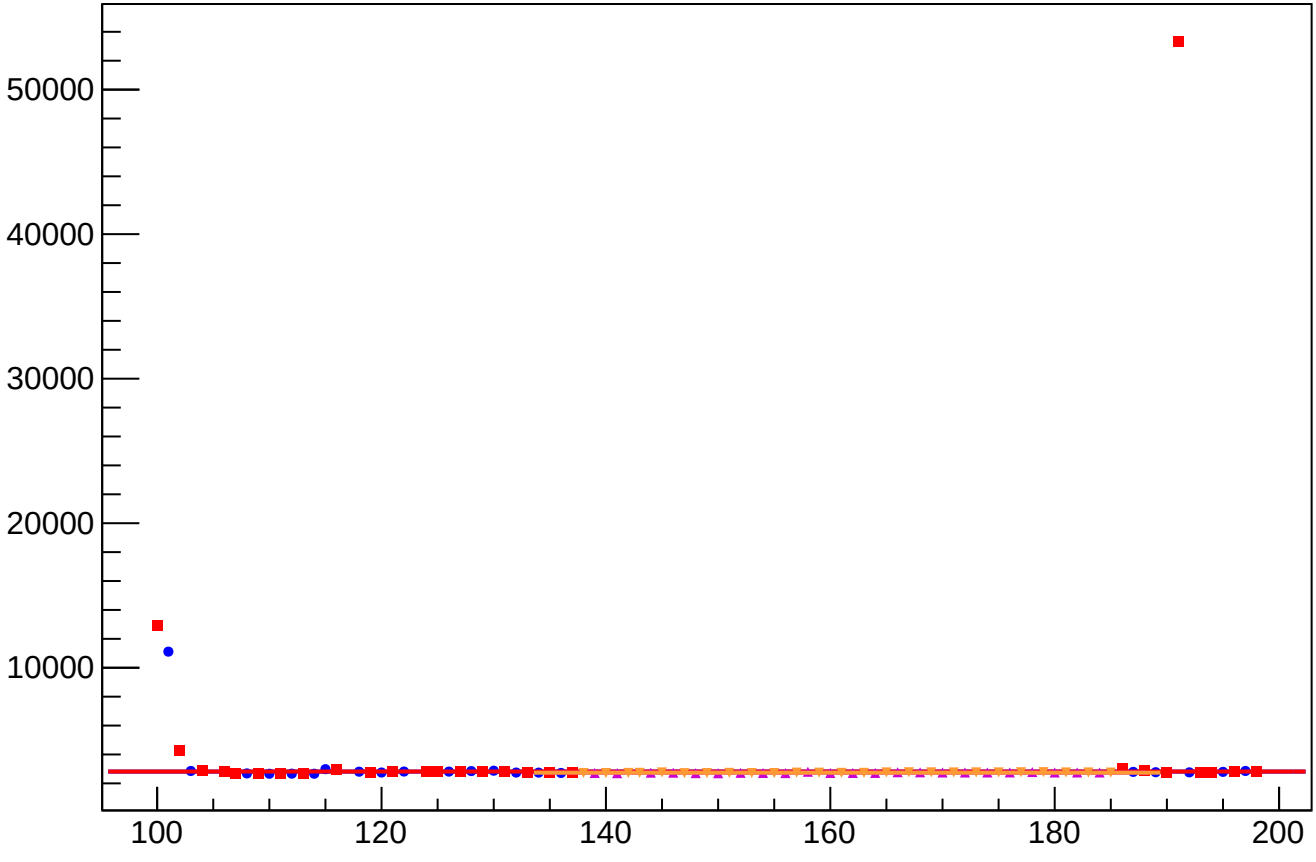
Right: 2516.559+/-593.354 χ^2/NDF: 37.9/47

In: 2339.211+/-517.199 χ^2/NDF:53.3/43

Out: 2630.196+/-492.335 χ^2/NDF:48.2/51

All: 2491.866+/-356.600 χ^2/NDF: 101.6/95

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2814.611+/-0.621 χ^2/NDF: 745514.9/20

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2819.885+/-0.569 χ^2/NDF: 531329.5/26

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

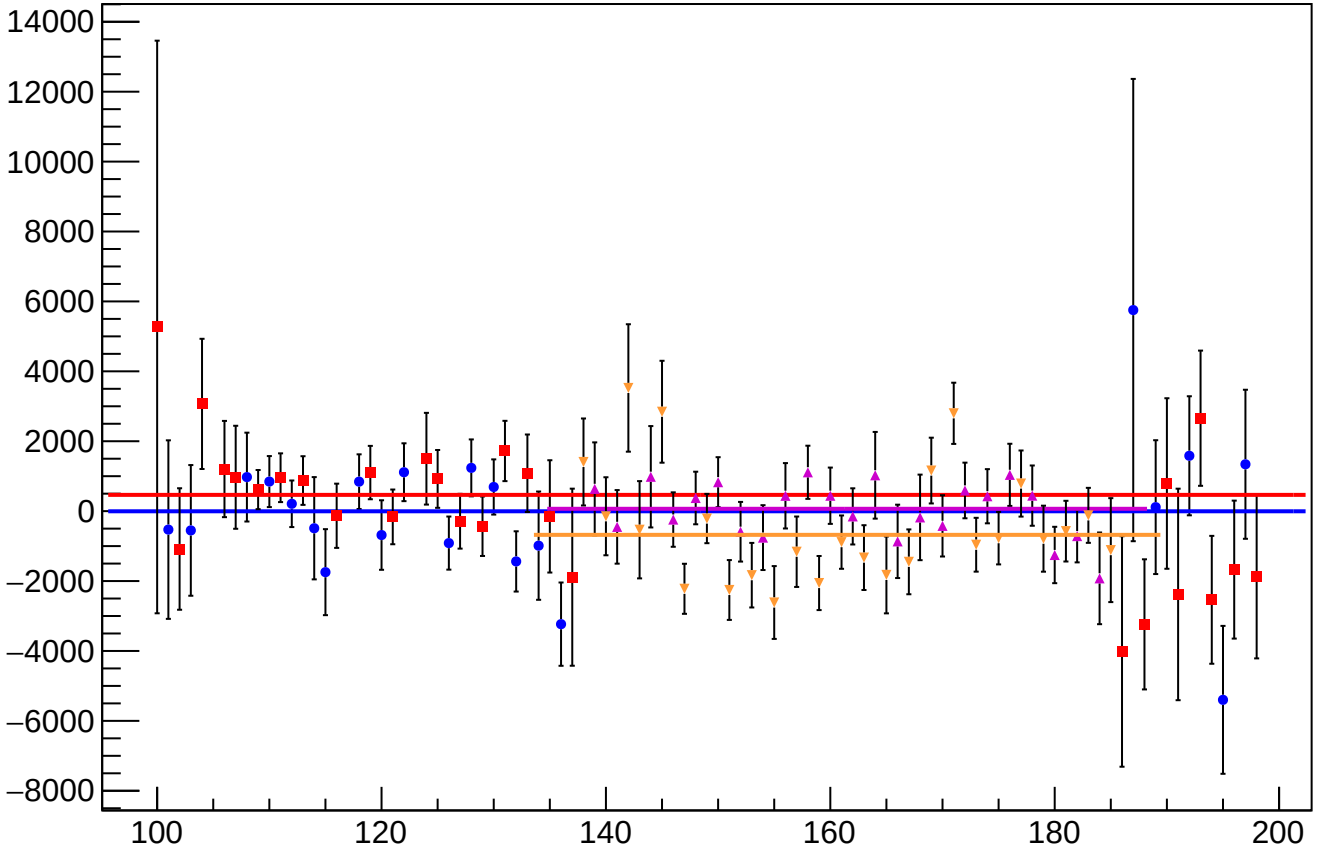
Right: 2817.476+/-0.420 χ^2/NDF: 1276883.6/47

In: 2766.806+/-0.366 χ^2/NDF:757968.6/43

Out: 2769.437+/-0.348 χ^2/NDF:546194.9/51

All: 2768.186+/-0.252 χ^2/NDF: 1304190.7/95

asym_atr1_dit_correction_mean vs Slug, Sign Corrected



Right In: -4.095+/-230.516 χ^2/NDF: 31.3/20

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: 465.280+/-209.059 χ^2/NDF: 25.4/26

Left In: 67.156+/-185.436 χ^2/NDF:15.8/22

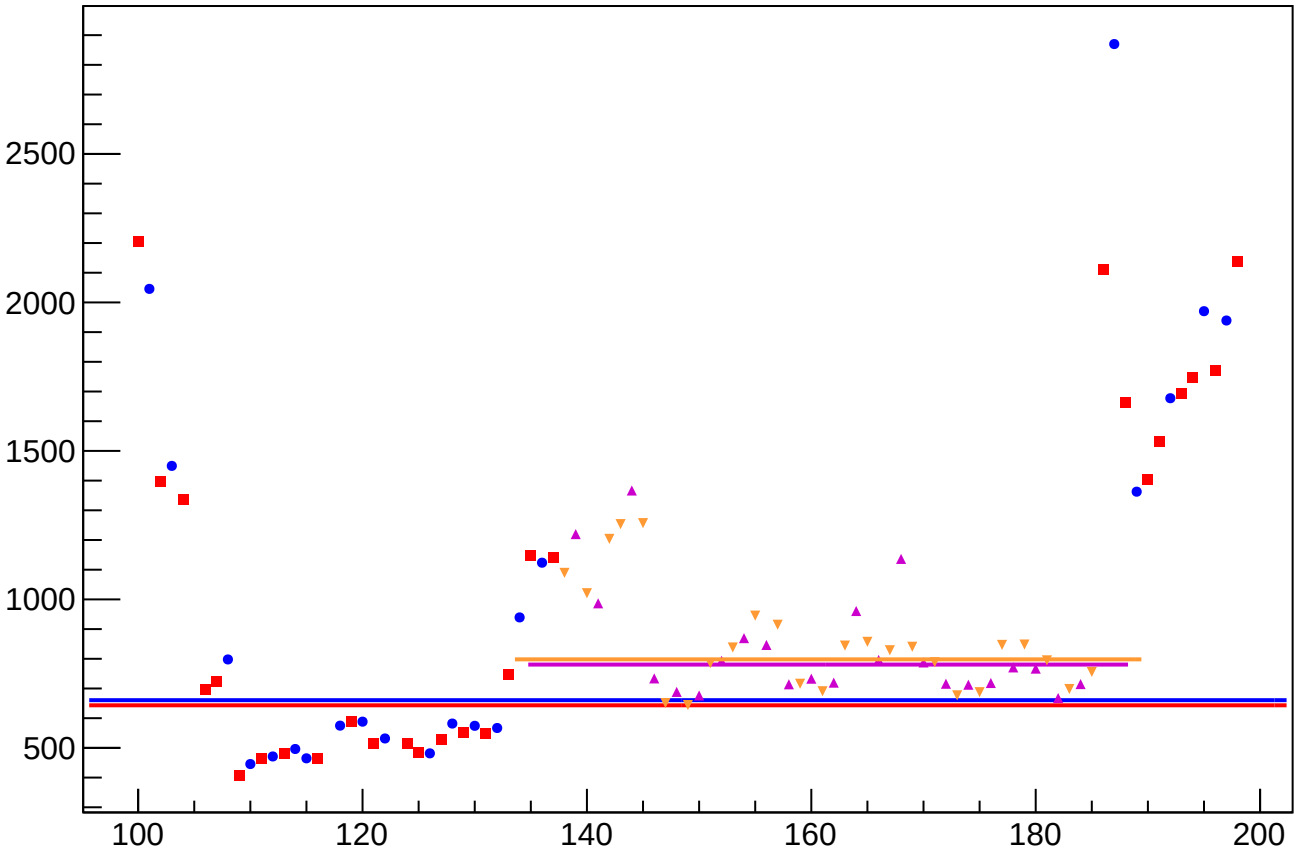
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 253.450+/-154.858 χ^2/NDF: 59.1/47

In: 39.163+/-144.488 χ^2/NDF:47.2/43

Out: -176.016+/-138.545 χ^2/NDF:98.4/51

All: -72.942+/-100.001 χ^2/NDF: 146.8/95



Right In: 660.634+/-0.163 χ^2/NDF: 4697083.0/20

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 643.385+/-0.148 χ^2/NDF: 6085377.3/26

Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

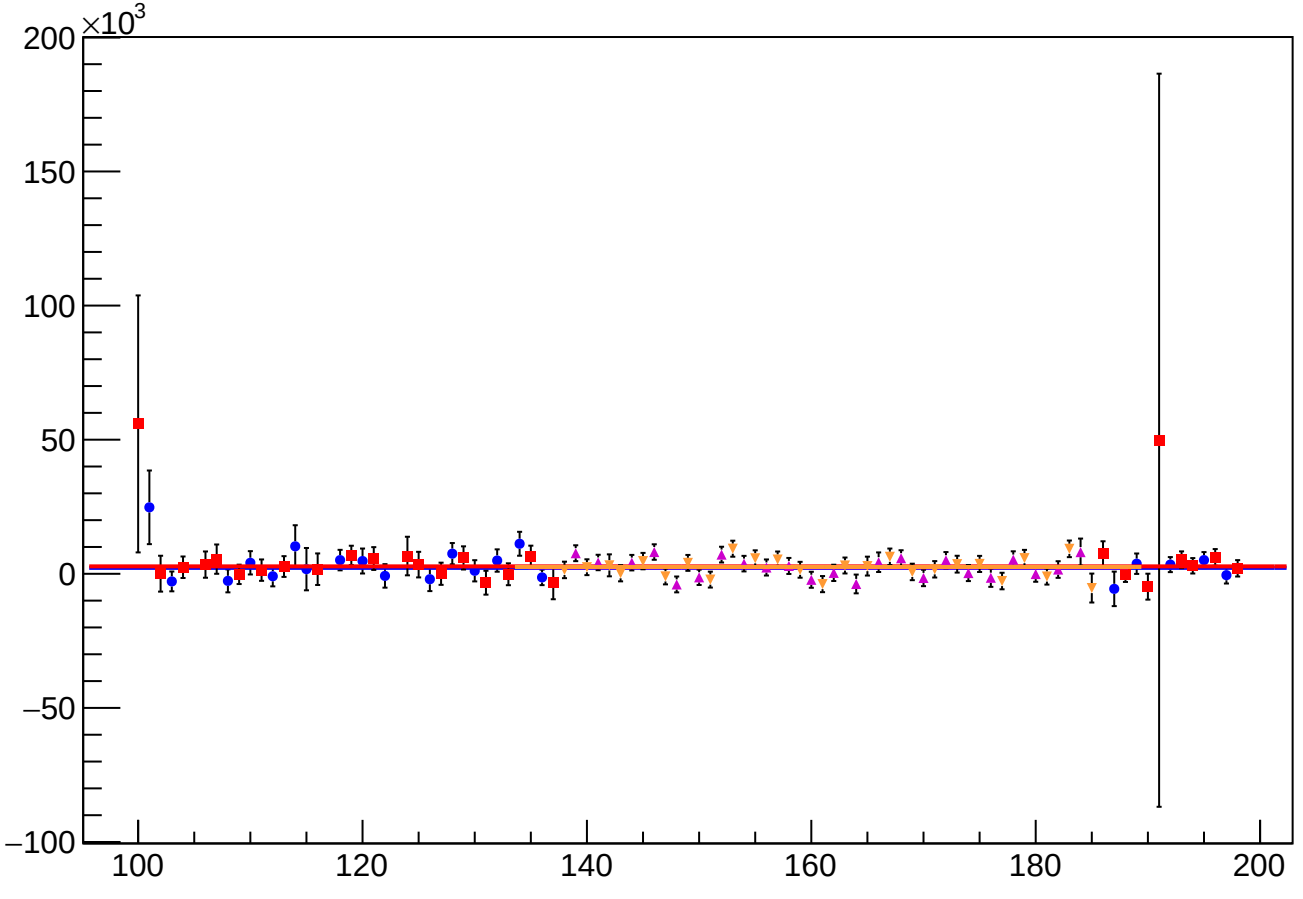
Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

Right: 651.169+/-0.110 χ^2/NDF: 10788604.9/47

In: 733.422+/-0.102 χ^2/NDF:6090368.9/43

Out: 730.147+/-0.098 χ^2/NDF:7867959.3/51

All: 731.716+/-0.071 χ^2/NDF: 13958863.8/95



Right In: 2211.971+/-877.860 χ^2/NDF: 21.4/20

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: 2772.752+/-805.111 χ^2/NDF: 16.2/26

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

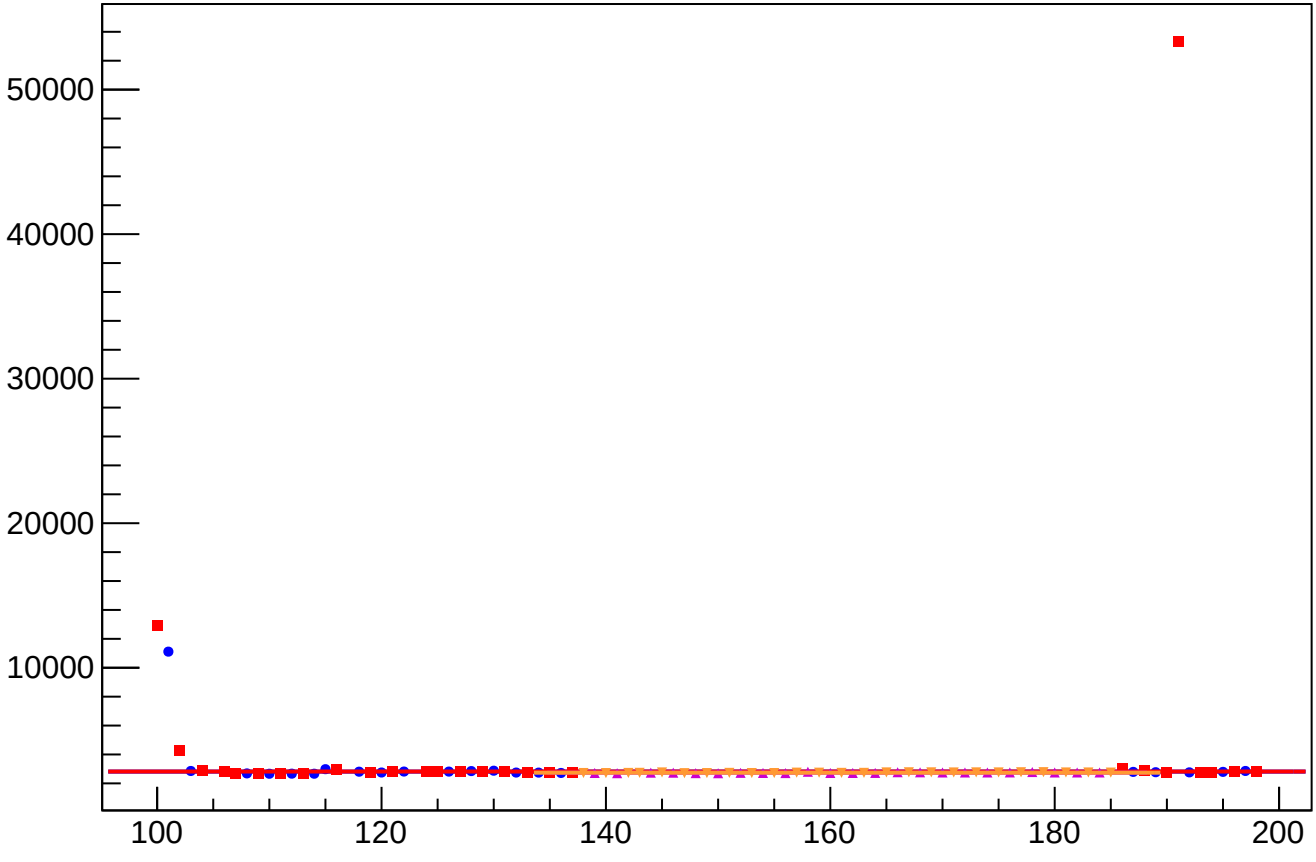
Right: 2516.557+/-593.354 χ^2/NDF: 37.9/47

In: 2339.211+/-517.199 χ^2/NDF:53.3/43

Out: 2630.195+/-492.335 χ^2/NDF:48.2/51

All: 2491.865+/-356.600 χ^2/NDF: 101.6/95

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2814.611+/-0.621 χ^2/NDF: 745514.9/20

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2819.885+/-0.569 χ^2/NDF: 531329.3/26

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

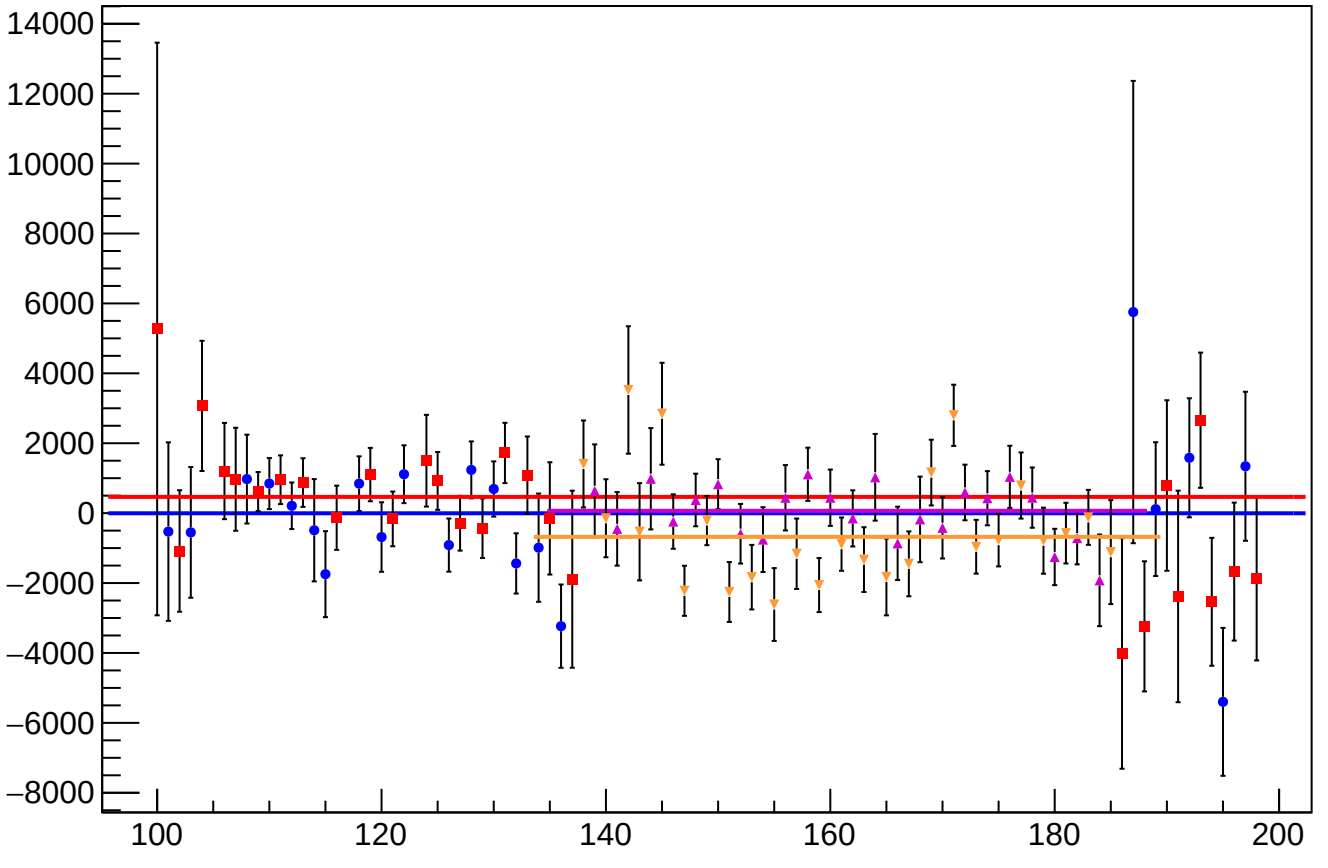
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2817.476+/-0.420 χ^2/NDF: 1276883.4/47

In: 2766.806+/-0.366 χ^2/NDF:757968.6/43

Out: 2769.437+/-0.348 χ^2/NDF:546194.7/51

All: 2768.186+/-0.252 χ^2/NDF: 1304190.4/95



Right In: -4.094+/-230.516 χ^2/NDF: 31.3/20

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: 465.280+/-209.059 χ^2/NDF: 25.4/26

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

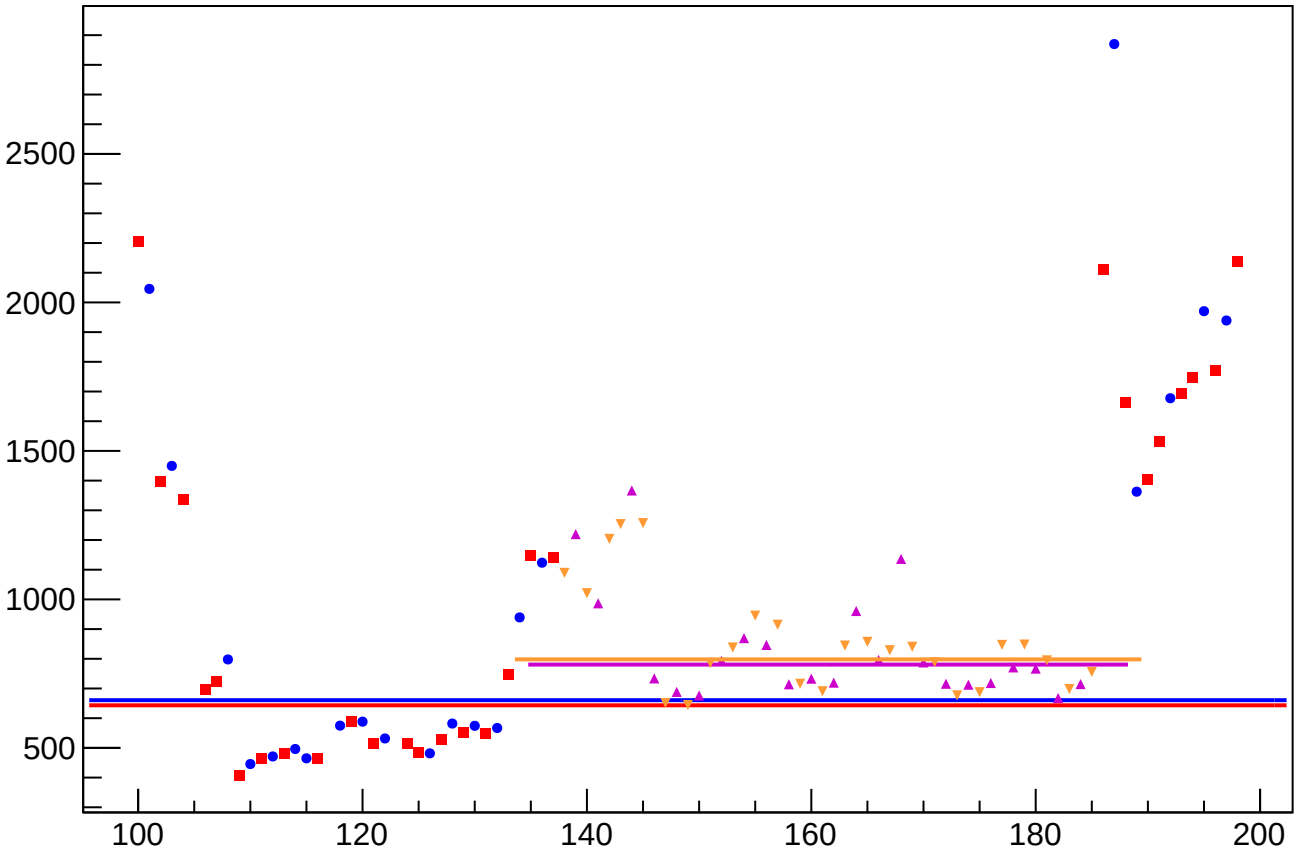
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 253.450+/-154.858 χ^2/NDF: 59.1/47

In: 39.164+/-144.488 χ^2/NDF:47.2/43

Out: -176.016+/-138.545 χ^2/NDF:98.4/51

All: -72.942+/-100.001 χ^2/NDF: 146.8/95



Right In: 660.634+/-0.163 χ^2/NDF: 4697078.5/20

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 643.385+/-0.148 χ^2/NDF: 6085378.2/26

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

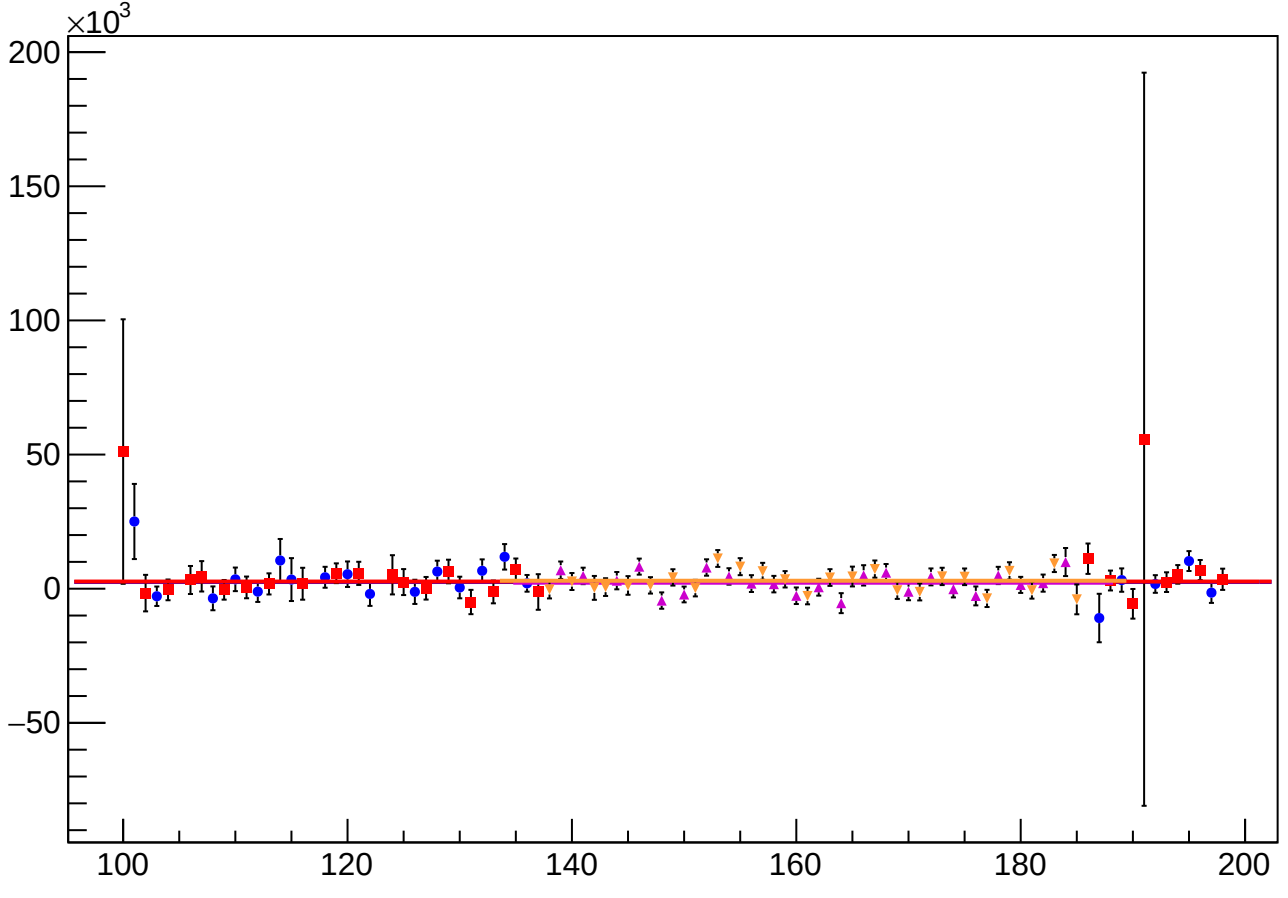
Right: 651.170+/-0.110 χ^2/NDF: 10788601.5/47

In: 733.422+/-0.102 χ^2/NDF:6090364.1/43

Out: 730.147+/-0.098 χ^2/NDF:7867961.5/51

All: 731.716+/-0.071 χ^2/NDF: 13958861.2/95

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2493.437+/-946.593 χ^2/NDF: 24.7/20

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: 2670.407+/-878.884 χ^2/NDF: 17.3/26

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

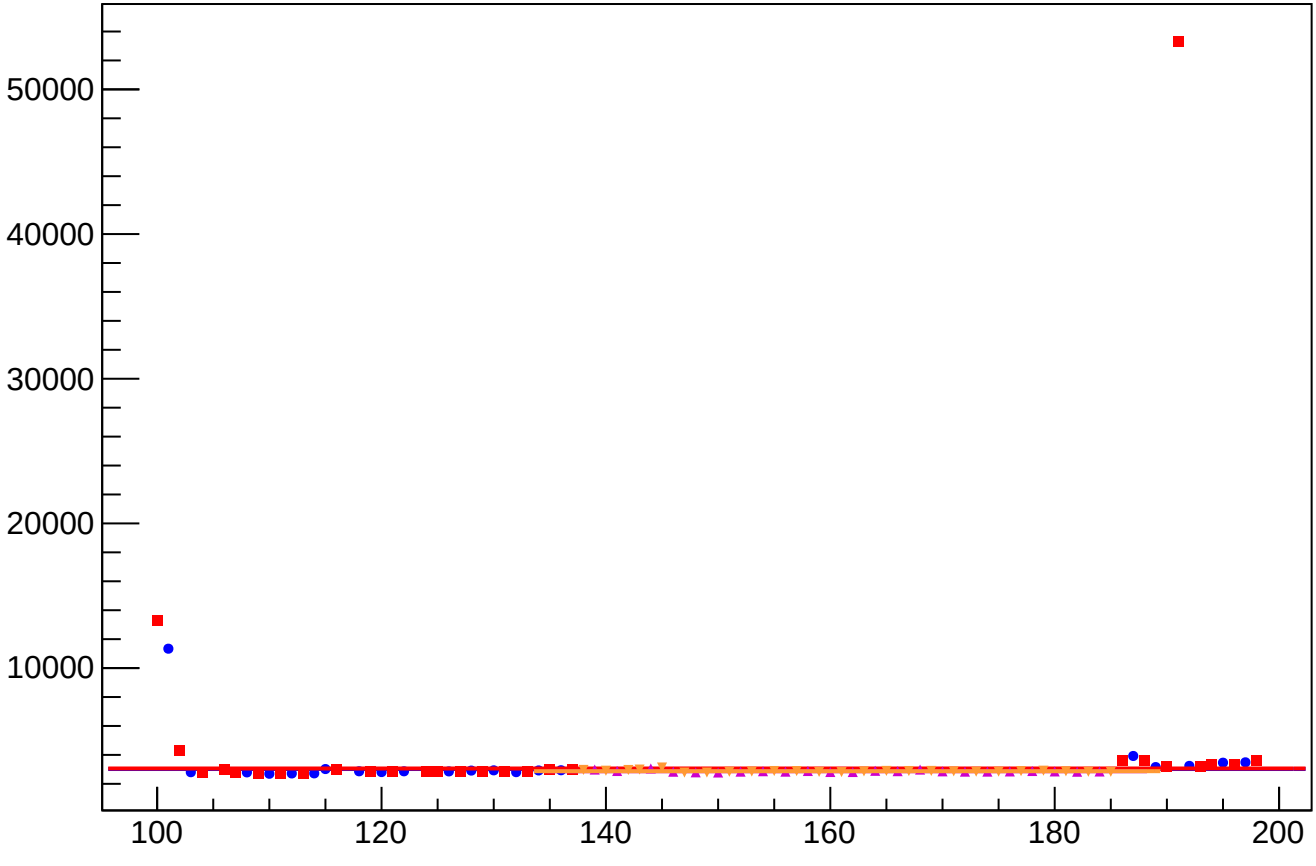
Right: 2588.477+/-644.073 χ^2/NDF: 42.0/47

In: 2322.976+/-547.051 χ^2/NDF:58.5/43

Out: 2862.953+/-524.307 χ^2/NDF:53.1/51

All: 2604.423+/-378.526 χ^2/NDF: 112.1/95

asym_atr1_rms vs Slug, Sign Corrected



Right In: 3024.214+/-0.669 χ^2/NDF: 854743.3/20

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 3060.366+/-0.621 χ^2/NDF: 705015.5/26

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

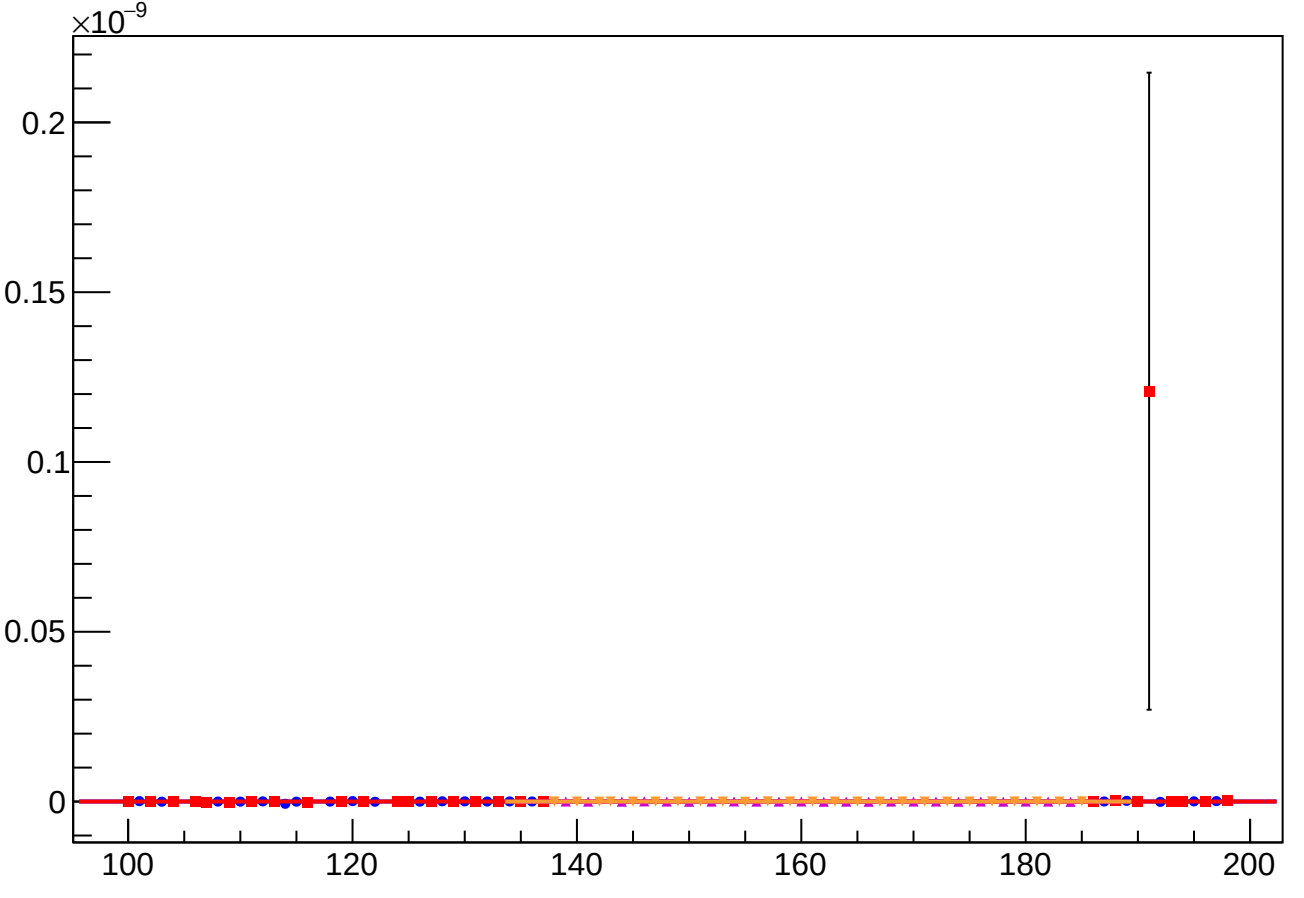
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 3043.629+/-0.455 χ^2/NDF: 1561325.5/47

In: 2921.607+/-0.387 χ^2/NDF:907714.3/43

Out: 2940.926+/-0.371 χ^2/NDF:784150.9/51

All: 2931.677+/-0.268 χ^2/NDF: 1693165.2/95



Right In: 0.000+/-0.000 χ^2/NDF: 14.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.0/26

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

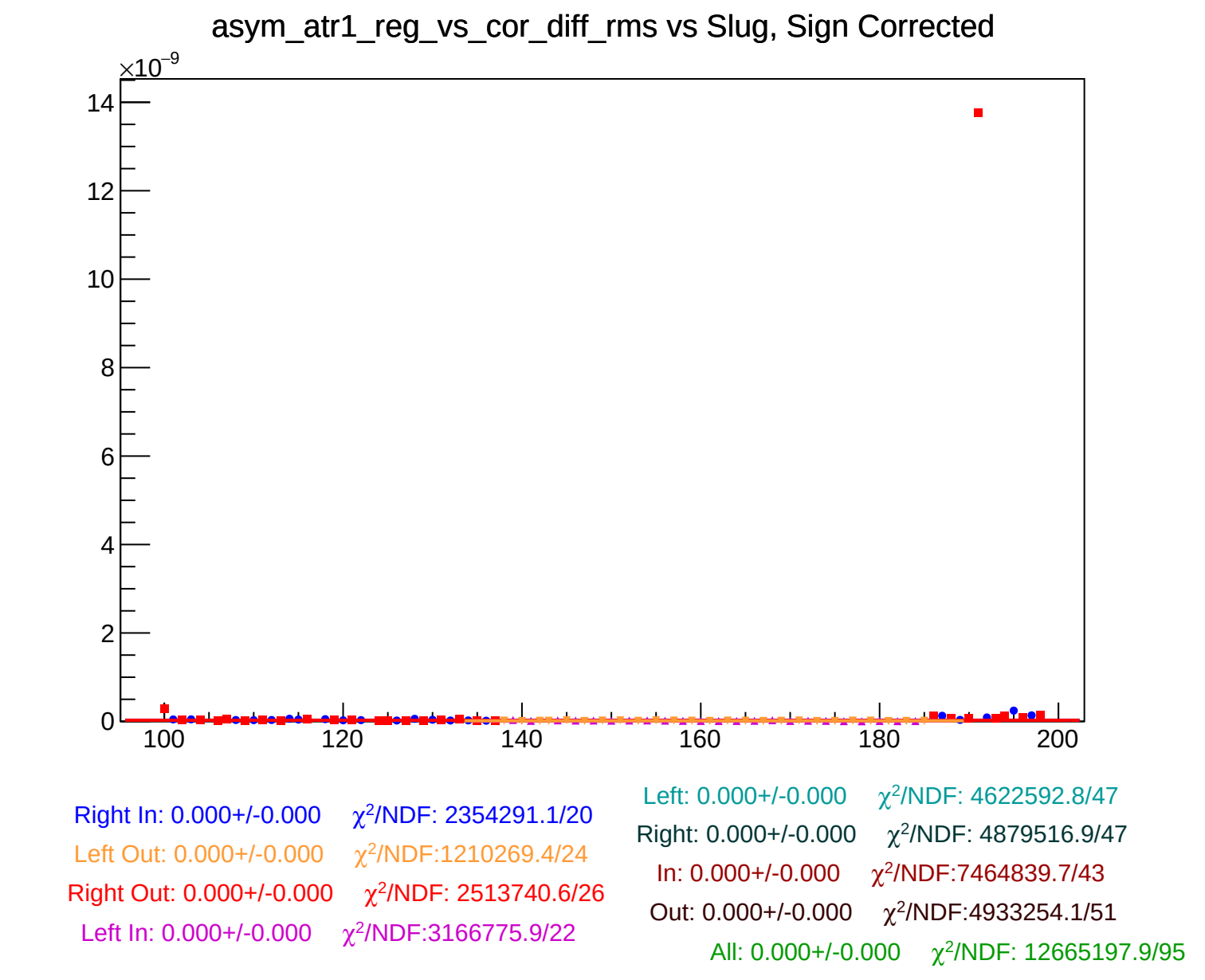
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

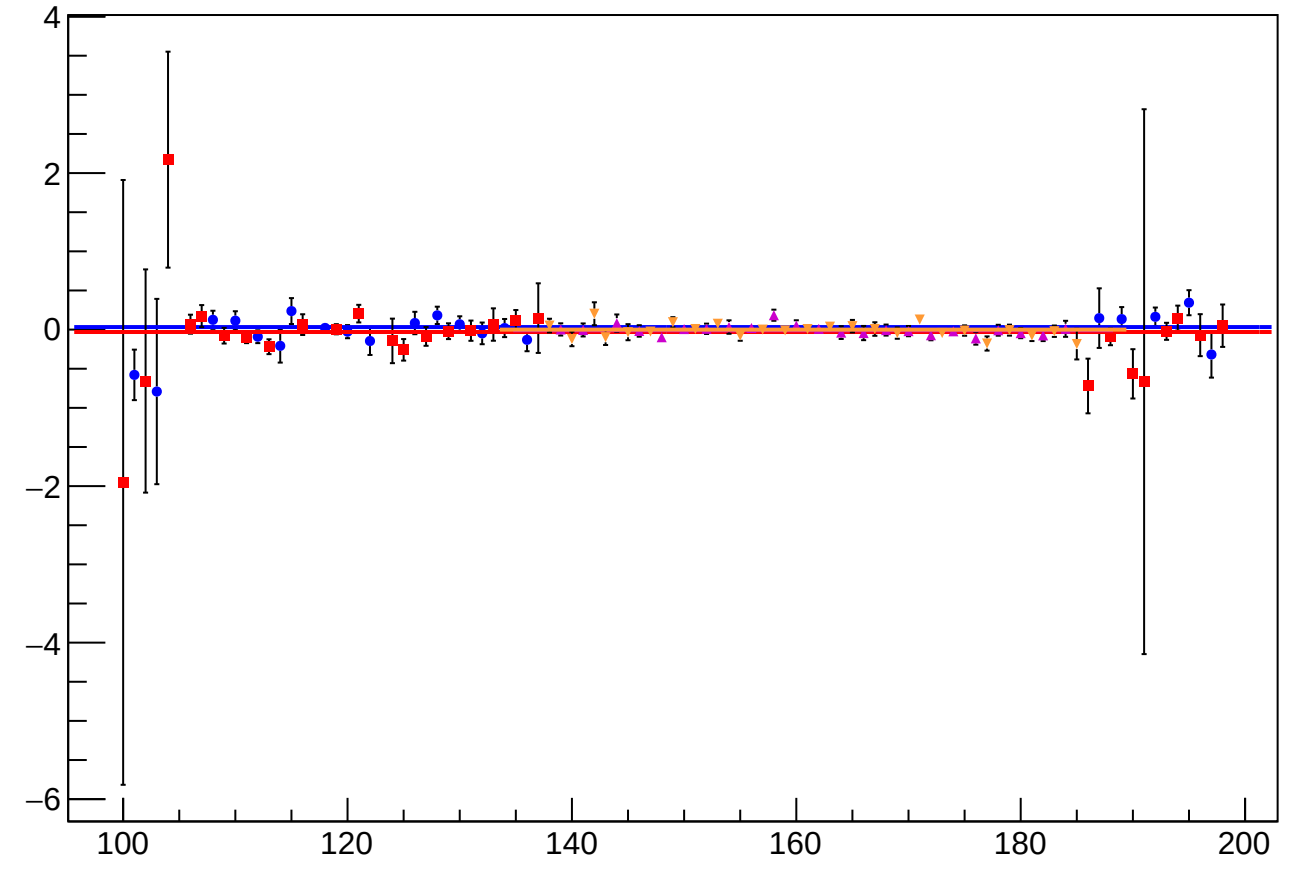
Right: 0.000+/-0.000 χ^2/NDF: 46.0/47

In: -0.000+/-0.000 χ^2/NDF:45.3/43

Out: 0.000+/-0.000 χ^2/NDF:45.6/51

All: -0.000+/-0.000 χ^2/NDF: 91.5/95


asym_atr1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
14
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2354291.1/20
Left Out: 0.000+/-0.000 χ²/NDF:1210269.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 2513740.6/26
Left In: 0.000+/-0.000 χ²/NDF:3166775.9/22
Left: 0.000+/-0.000 χ²/NDF: 4622592.8/47
Right: 0.000+/-0.000 χ²/NDF: 4879516.9/47
In: 0.000+/-0.000 χ²/NDF:7464839.7/43
Out: 0.000+/-0.000 χ²/NDF:4933254.1/51
All: 0.000+/-0.000 χ²/NDF: 12665197.9/95



Right In: 0.032+/-0.026 χ^2/NDF: 22.4/20

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.031+/-0.026 χ^2/NDF: 29.4/26

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

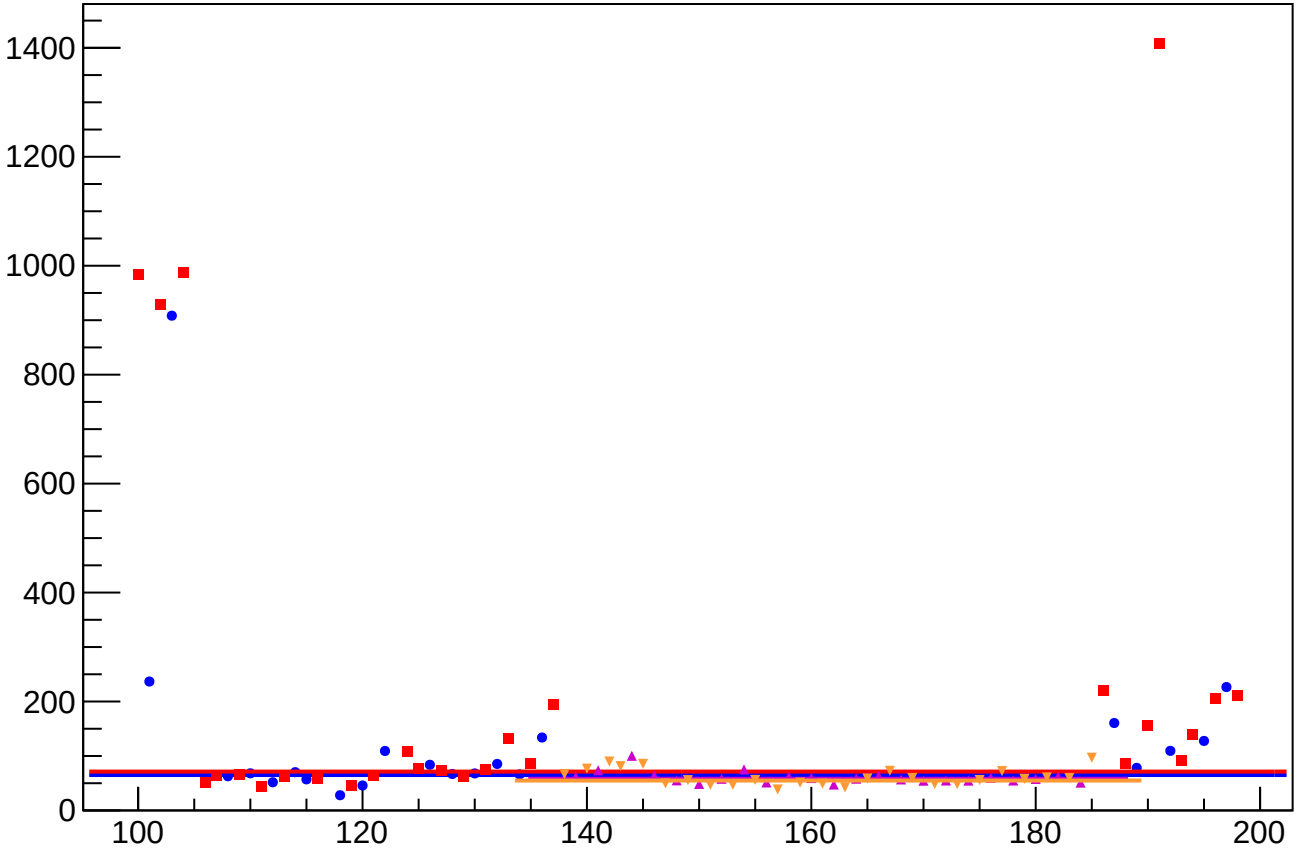
Right: 0.000+/-0.018 χ^2/NDF: 54.7/47

In: 0.002+/-0.013 χ^2/NDF:39.7/43

Out: -0.007+/-0.012 χ^2/NDF:53.0/51

All: -0.003+/-0.009 χ^2/NDF: 93.0/95

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.020+/-0.018 χ^2/NDF: 4700884.7/20

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 71.361+/-0.018 χ^2/NDF: 5144680.9/26

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

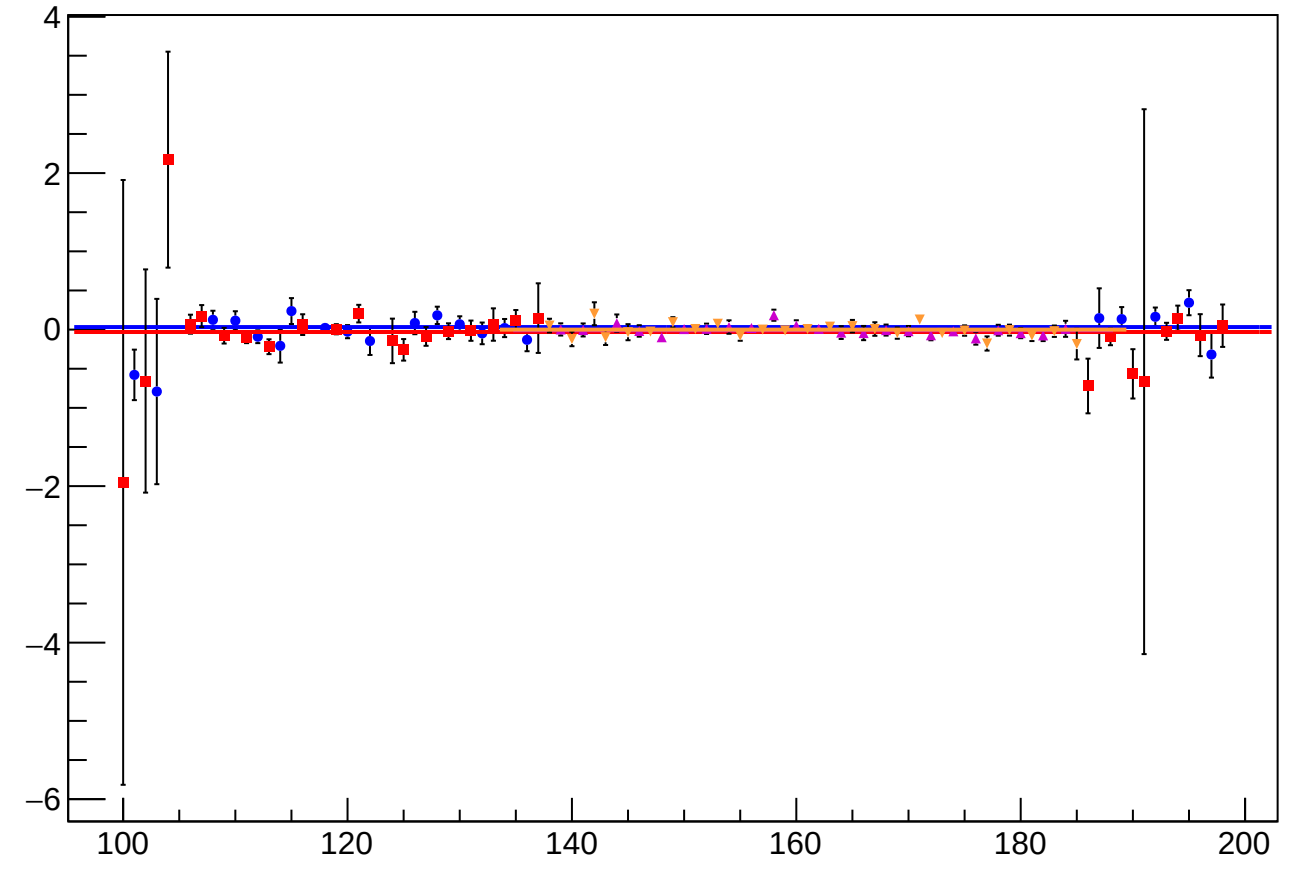
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 68.263+/-0.013 χ^2/NDF: 9905701.8/47

In: 59.813+/-0.009 χ^2/NDF:5463072.0/43

Out: 58.761+/-0.009 χ^2/NDF:7075983.2/51

All: 59.264+/-0.006 χ^2/NDF: 12545993.6/95



Right In: 0.032+/-0.026 χ^2/NDF: 22.4/20

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.031+/-0.026 χ^2/NDF: 29.4/26

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

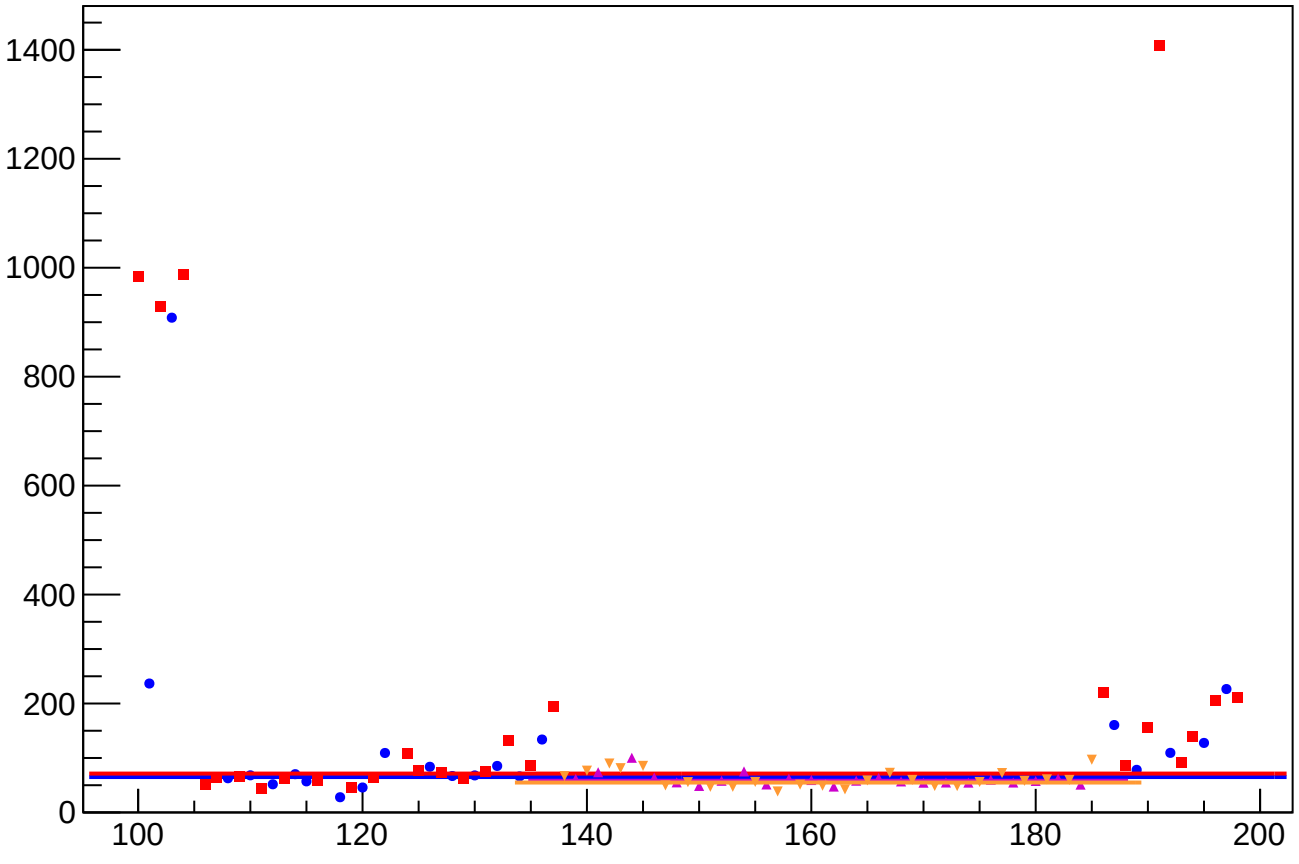
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.000+/-0.018 χ^2/NDF: 54.7/47

In: 0.002+/-0.013 χ^2/NDF:39.7/43

Out: -0.007+/-0.012 χ^2/NDF:53.0/51

All: -0.003+/-0.009 χ^2/NDF: 93.0/95



Right In: 65.020+/-0.018 χ^2/NDF: 4700884.7/20

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 71.361+/-0.018 χ^2/NDF: 5144680.9/26

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

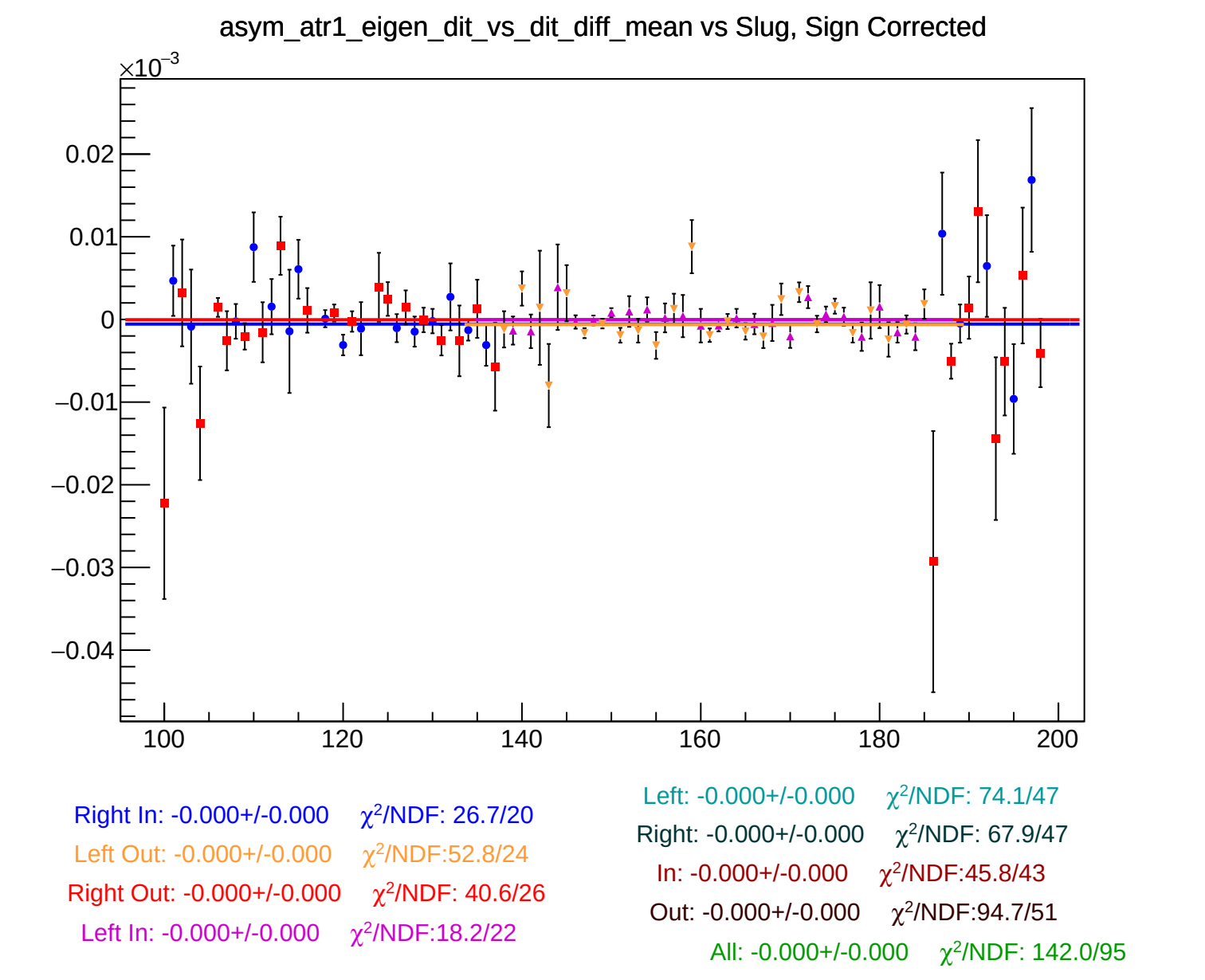
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

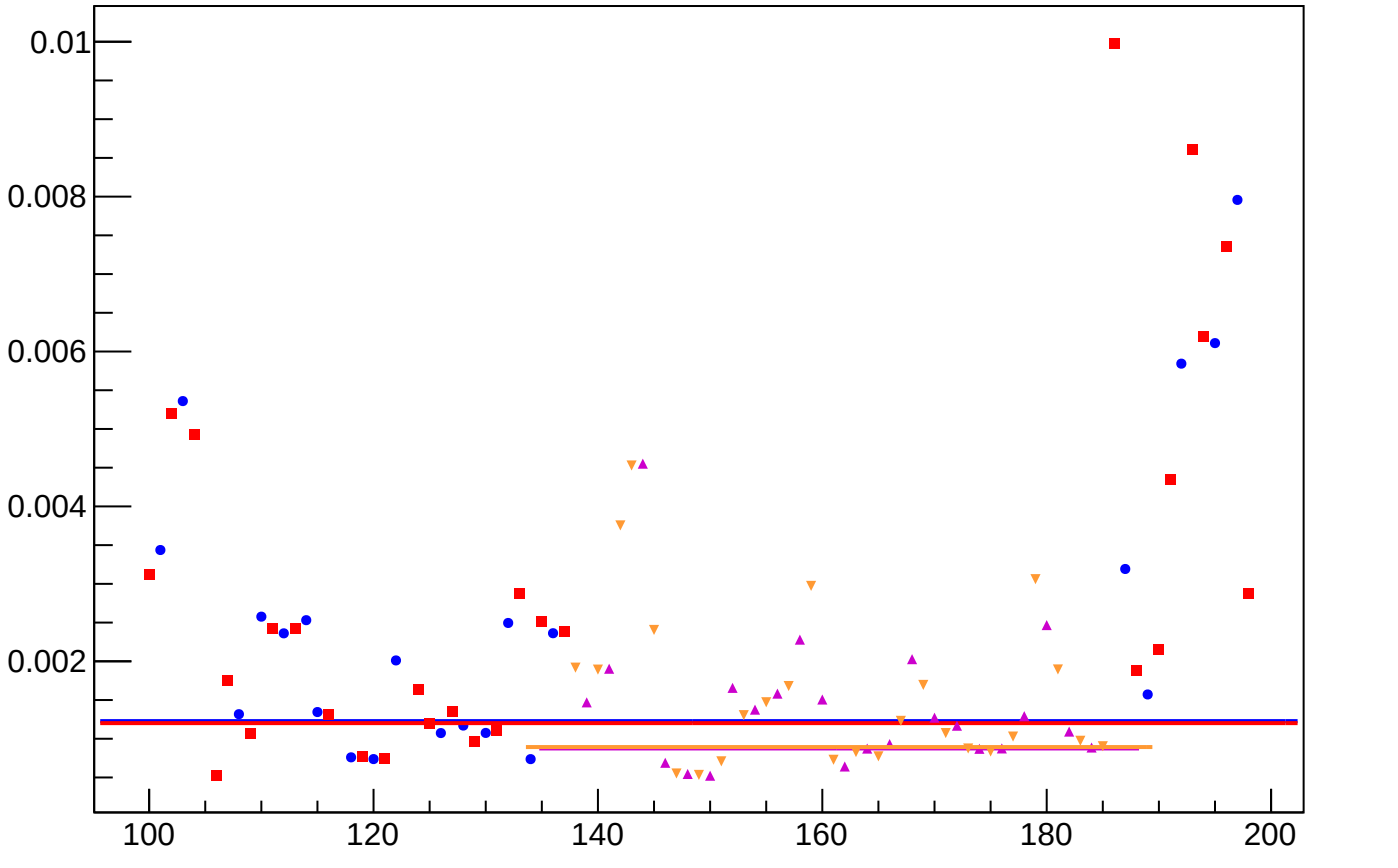
Right: 68.263+/-0.013 χ^2/NDF: 9905701.8/47

In: 59.813+/-0.009 χ^2/NDF:5463072.0/43

Out: 58.761+/-0.009 χ^2/NDF:7075983.2/51

All: 59.264+/-0.006 χ^2/NDF: 12545993.6/95


asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 26.7/20
Left Out: -0.000+/-0.000 χ²/NDF:52.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 40.6/26
Left In: -0.000+/-0.000 χ²/NDF:18.2/22
Left: -0.000+/-0.000 χ²/NDF: 74.1/47
Right: -0.000+/-0.000 χ²/NDF: 67.9/47
In: -0.000+/-0.000 χ²/NDF:45.8/43
Out: -0.000+/-0.000 χ²/NDF:94.7/51
All: -0.000+/-0.000 χ²/NDF: 142.0/95



Right In: 0.001+/-0.000 χ^2/NDF: 7133016.2/20

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9027333.0/26

Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

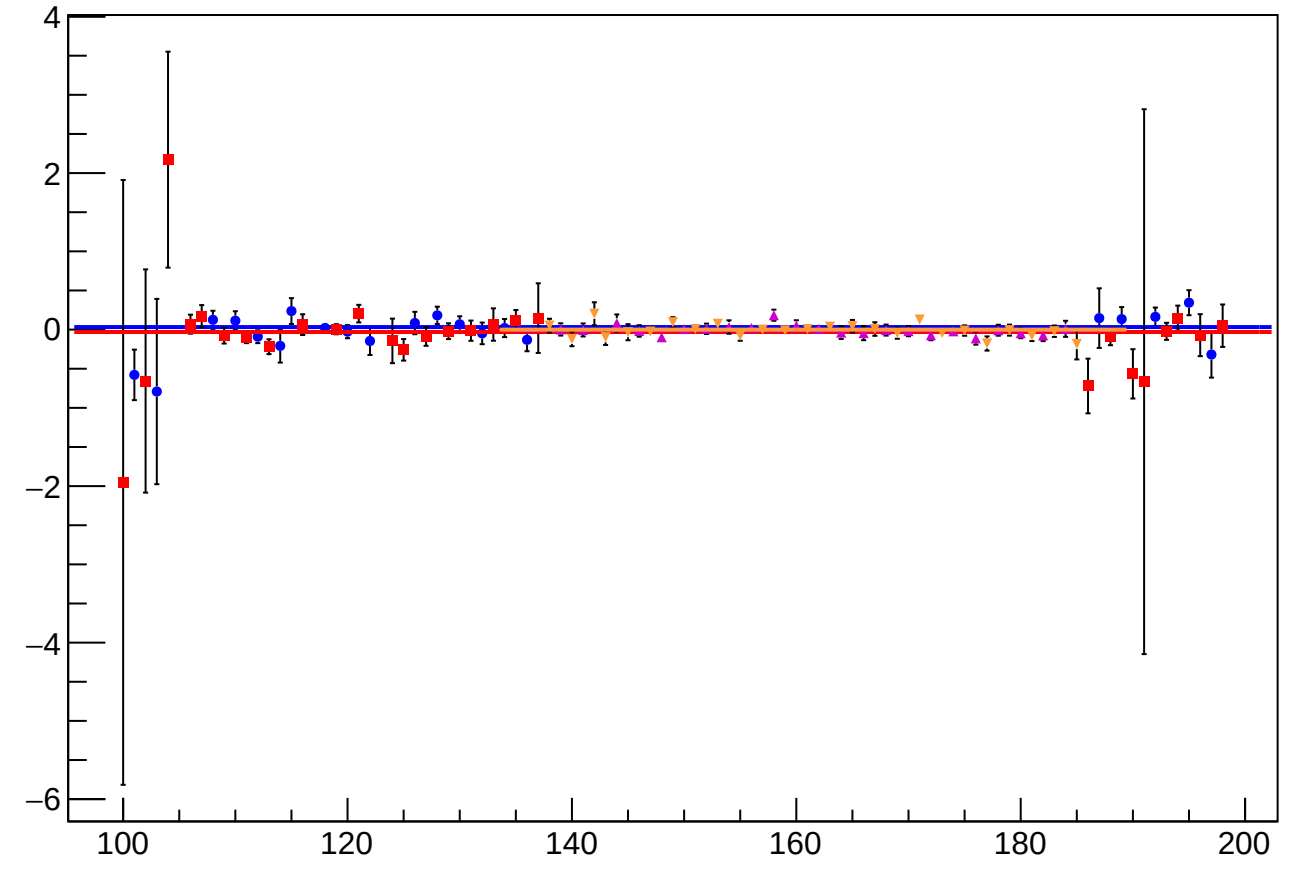
Left: 0.001+/-0.000 χ^2/NDF: 14708860.3/47

Right: 0.001+/-0.000 χ^2/NDF: 16163539.9/47

In: 0.001+/-0.000 χ^2/NDF:14982812.5/43

Out: 0.001+/-0.000 χ^2/NDF:17522282.6/51

All: 0.001+/-0.000 χ^2/NDF: 32509972.8/95



Right In: 0.032+/-0.026 χ^2/NDF: 22.4/20

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.031+/-0.026 χ^2/NDF: 29.4/26

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

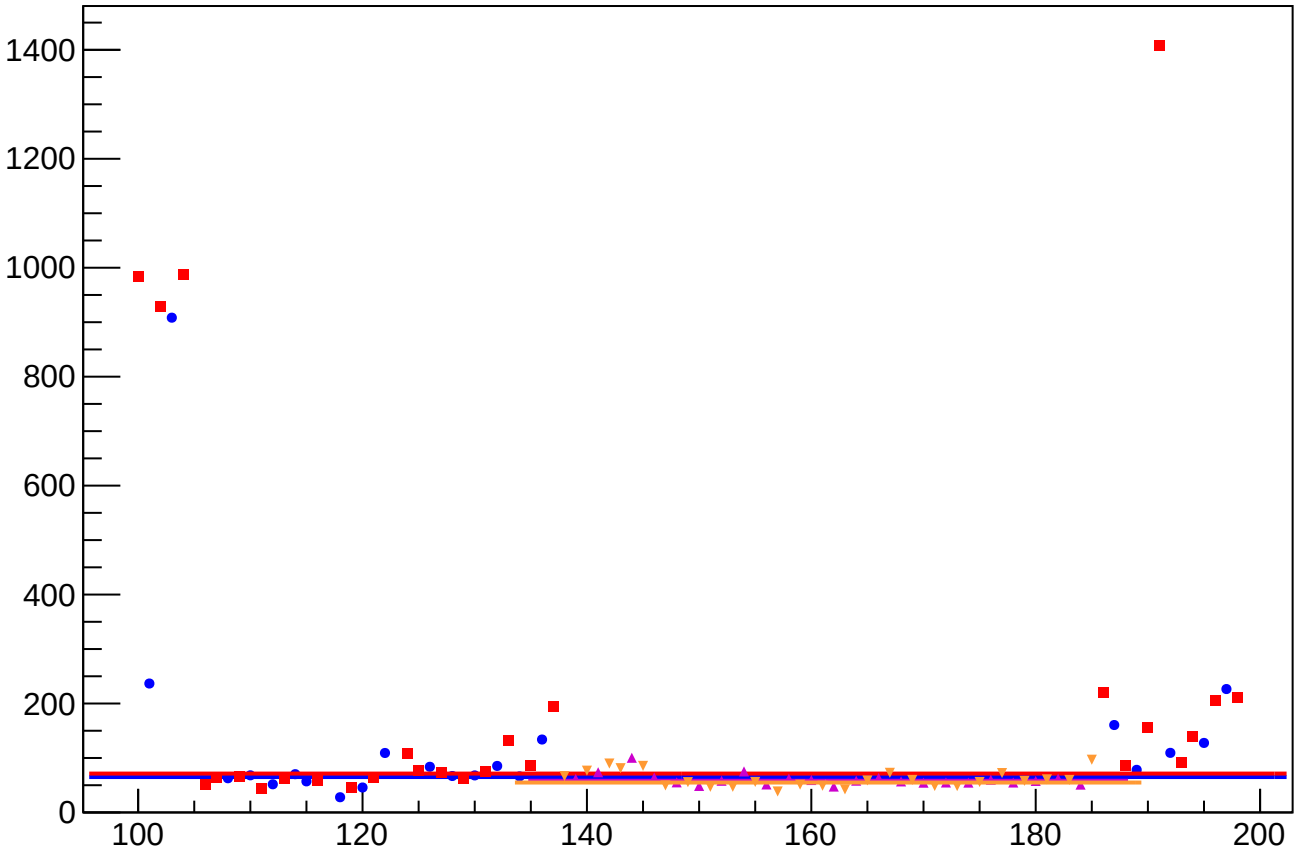
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.000+/-0.018 χ^2/NDF: 54.7/47

In: 0.002+/-0.013 χ^2/NDF:39.7/43

Out: -0.007+/-0.012 χ^2/NDF:53.0/51

All: -0.003+/-0.009 χ^2/NDF: 93.0/95



Right In: 65.019+/-0.018 χ^2/NDF: 4700986.6/20

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 71.361+/-0.018 χ^2/NDF: 5144697.9/26

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

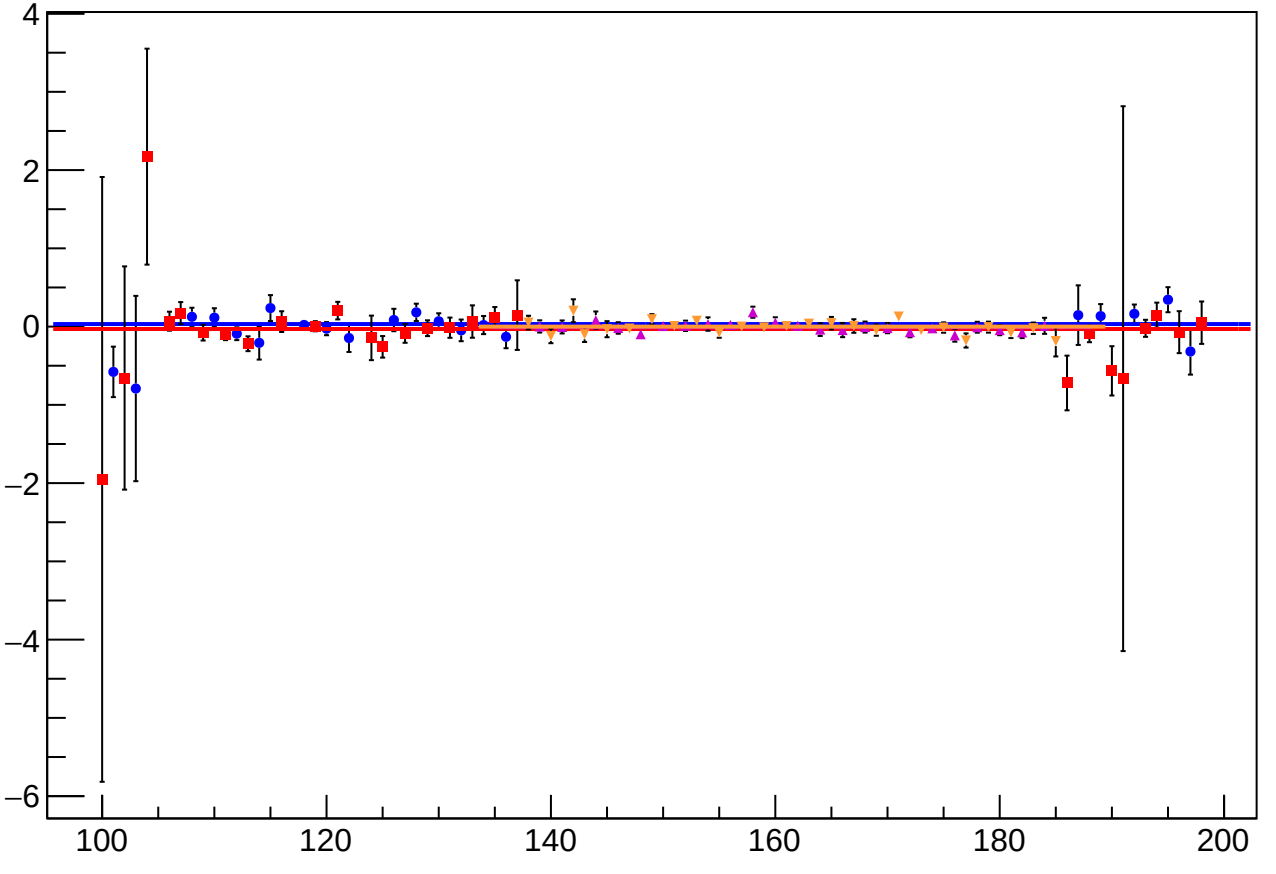
Right: 68.263+/-0.013 χ^2/NDF: 9905832.3/47

In: 59.813+/-0.009 χ^2/NDF:5463170.6/43

Out: 58.761+/-0.009 χ^2/NDF:7076090.1/51

All: 59.264+/-0.006 χ^2/NDF: 12546202.2/95

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.032+/-0.026 χ^2/NDF: 22.4/20

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.031+/-0.026 χ^2/NDF: 29.4/26

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

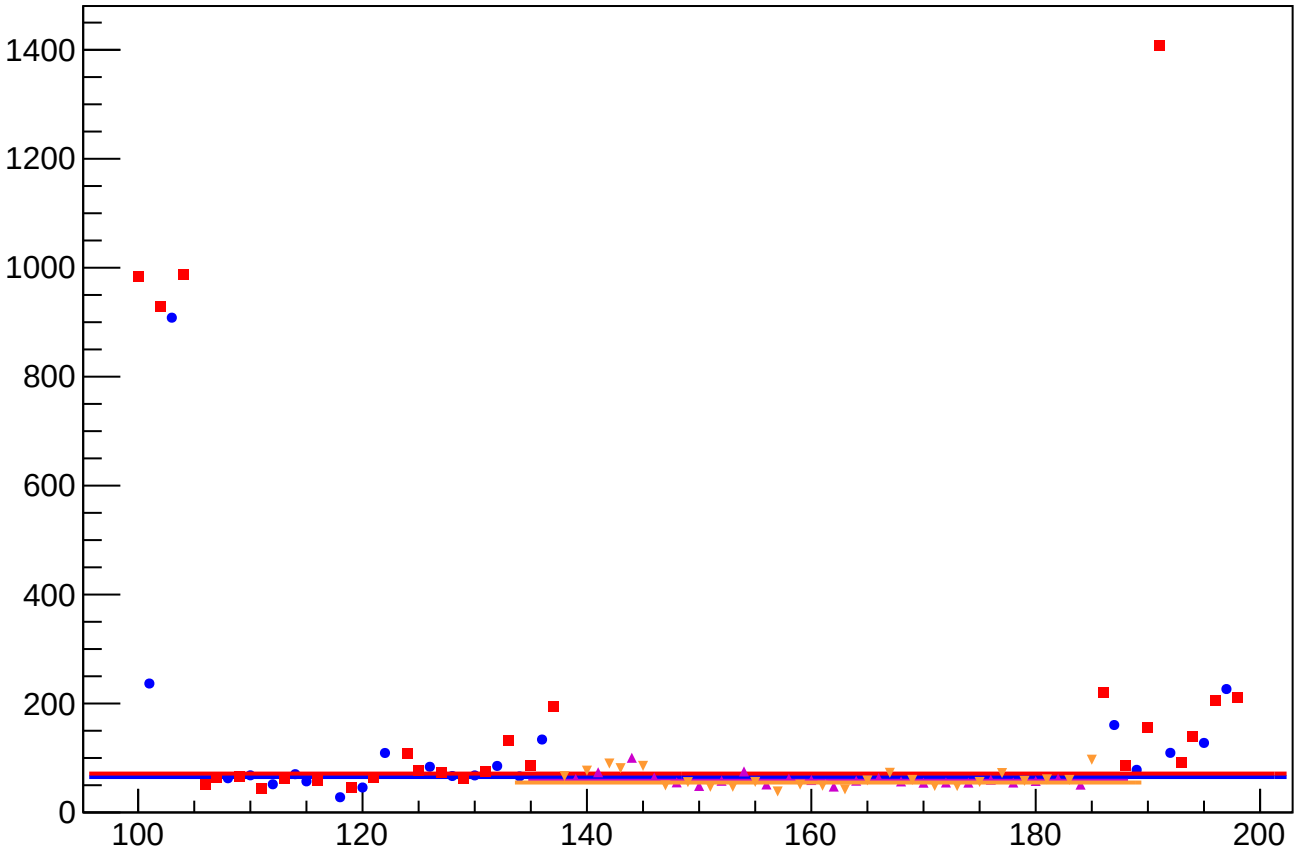
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.000+/-0.018 χ^2/NDF: 54.7/47

In: 0.002+/-0.013 χ^2/NDF:39.7/43

Out: -0.007+/-0.012 χ^2/NDF:53.0/51

All: -0.003+/-0.009 χ^2/NDF: 93.0/95



Right In: 65.019+/-0.018 χ^2/NDF: 4700986.6/20

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 71.361+/-0.018 χ^2/NDF: 5144697.9/26

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

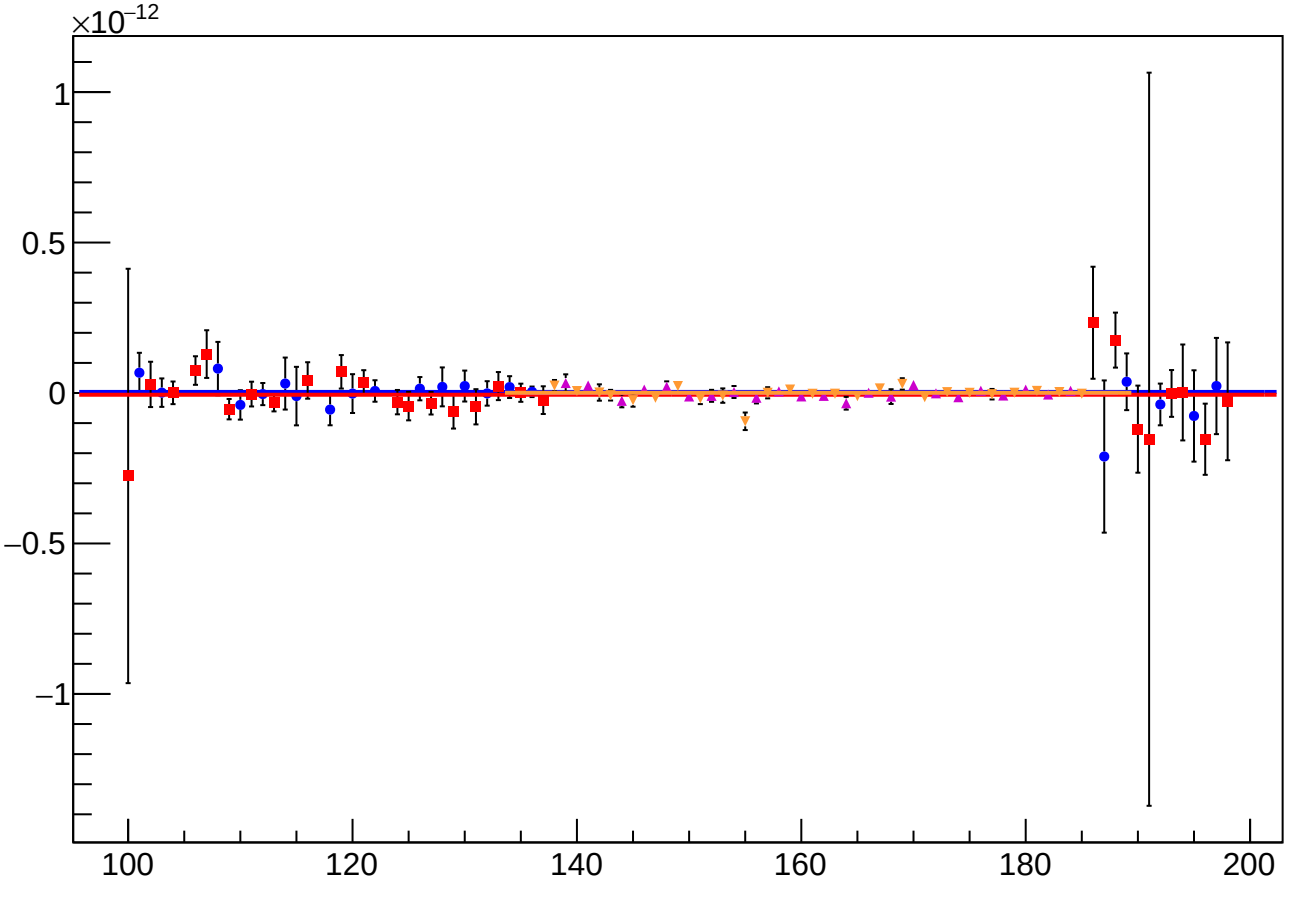
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 68.263+/-0.013 χ^2/NDF: 9905832.3/47

In: 59.813+/-0.009 χ^2/NDF:5463170.6/43

Out: 58.761+/-0.009 χ^2/NDF:7076090.1/51

All: 59.264+/-0.006 χ^2/NDF: 12546202.2/95



Right In: 0.000+/-0.000 χ^2/NDF: 5.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/26

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

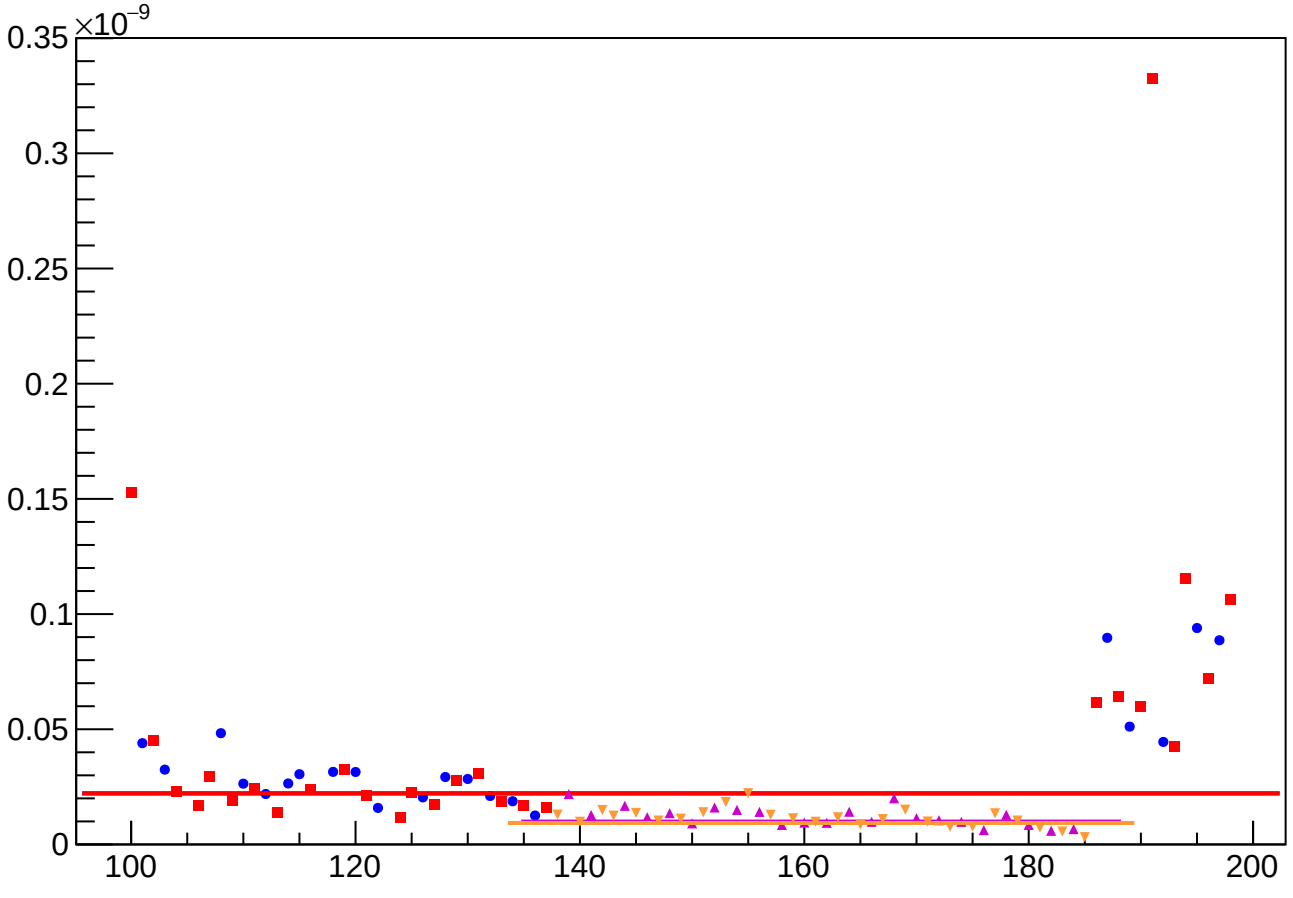
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: -0.000+/-0.000 χ^2/NDF: 30.3/47

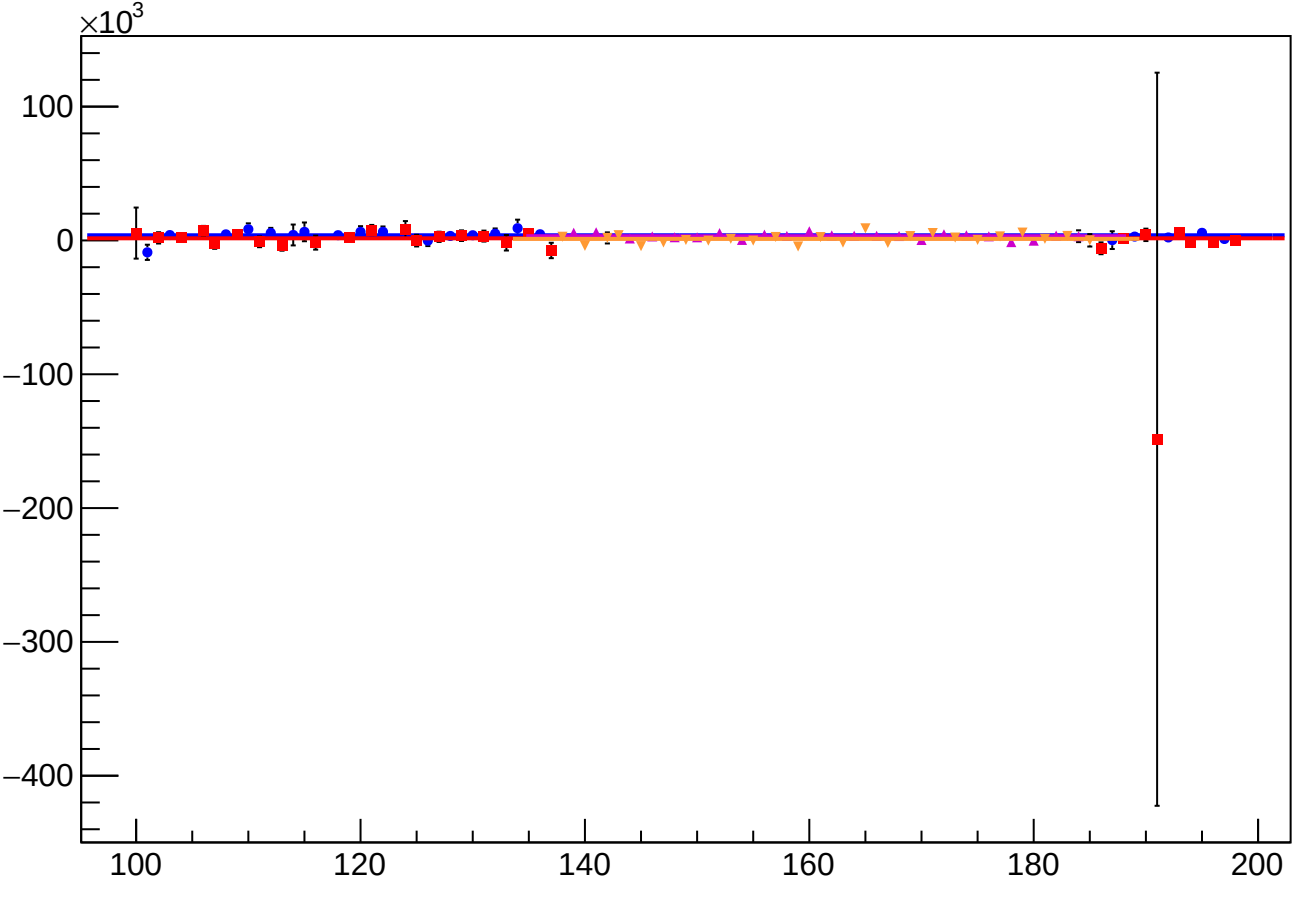
In: 0.000+/-0.000 χ^2/NDF:26.3/43

Out: 0.000+/-0.000 χ^2/NDF:49.7/51

All: 0.000+/-0.000 χ^2/NDF: 76.0/95


asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2699779.3/20
Left Out: 0.000+/-0.000 χ²/NDF:3070809.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 3226088.6/26
Left In: 0.000+/-0.000 χ²/NDF:2573277.3/22
Left: 0.000+/-0.000 χ²/NDF: 5690216.6/47
Right: 0.000+/-0.000 χ²/NDF: 5926016.2/47
In: 0.000+/-0.000 χ²/NDF:7988910.3/43
Out: 0.000+/-0.000 χ²/NDF:9476995.2/51
All: 0.000+/-0.000 χ²/NDF: 17521580.9/95

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3871.428+/-808.107 χ^2/NDF: 10.9/20

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: 1587.239+/-744.413 χ^2/NDF: 23.1/26

Left In: 3147.419+/-569.221 χ^2/NDF:12.7/22

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

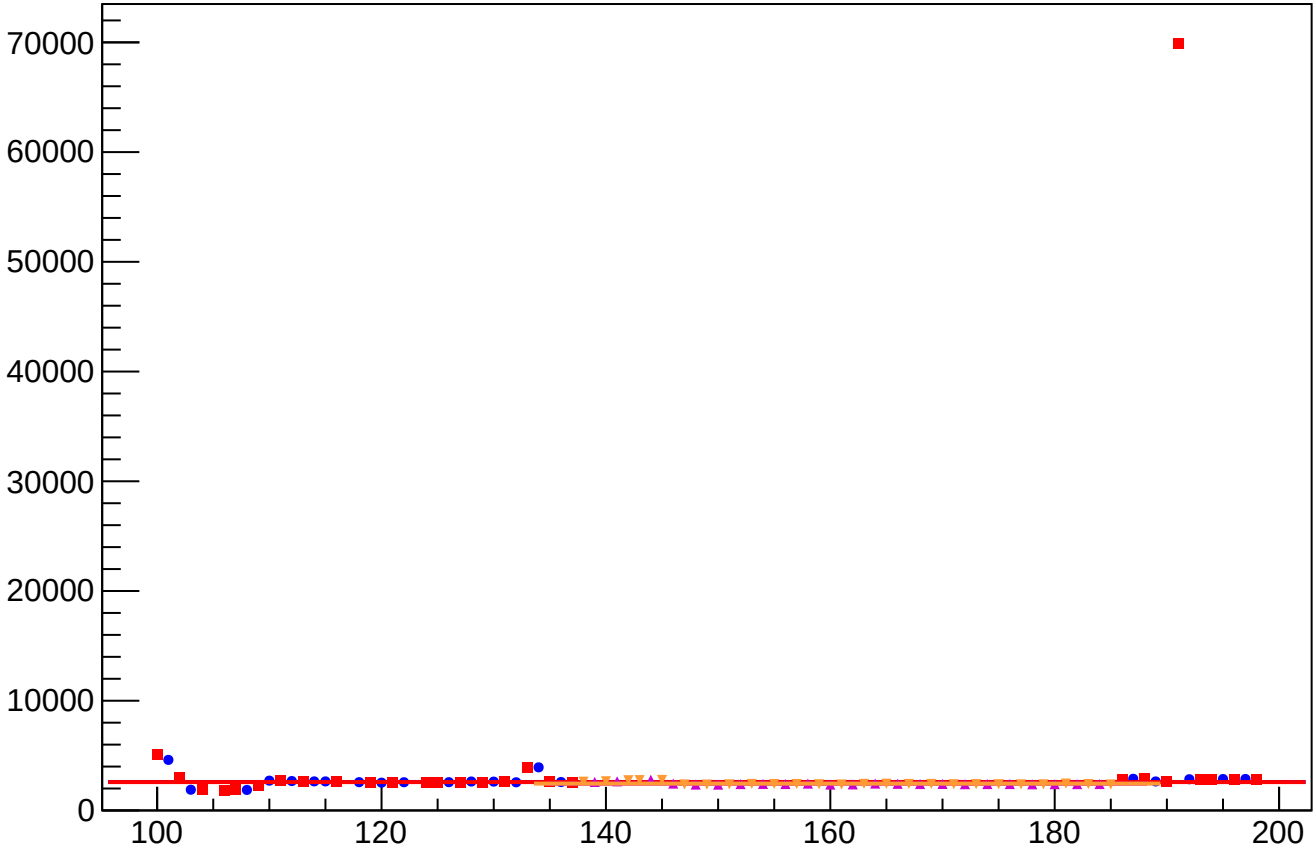
Right: 2635.779+/-547.514 χ^2/NDF: 38.4/47

In: 3387.518+/-465.363 χ^2/NDF:24.1/43

Out: 1331.580+/-445.587 χ^2/NDF:54.4/51

All: 2314.937+/-321.842 χ^2/NDF: 88.7/95

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2596.025+/-0.571 χ^2/NDF: 678105.3/20

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2585.453+/-0.526 χ^2/NDF: 709326.4/26

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

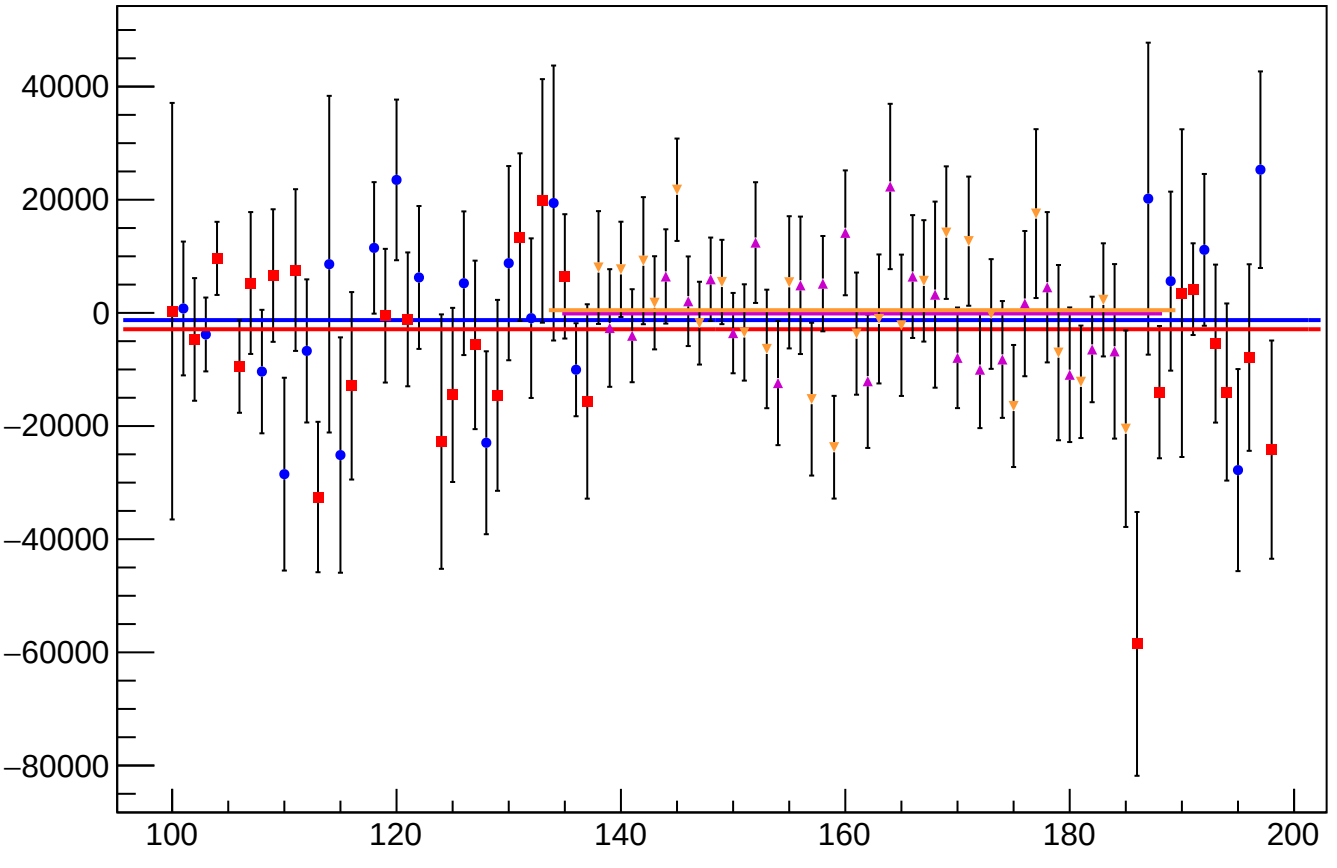
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2590.306+/-0.387 χ^2/NDF: 1387616.8/47

In: 2489.035+/-0.329 χ^2/NDF:789747.2/43

Out: 2495.853+/-0.315 χ^2/NDF:844493.9/51

All: 2492.592+/-0.228 χ^2/NDF: 1634465.1/95



Right In: -1273.978+/-2850.935 χ^2/NDF: 20.1/20

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: -2889.364+/-2469.171 χ^2/NDF: 26.2/26

Left In: -104.954+/-2090.899 χ^2/NDF:14.5/22

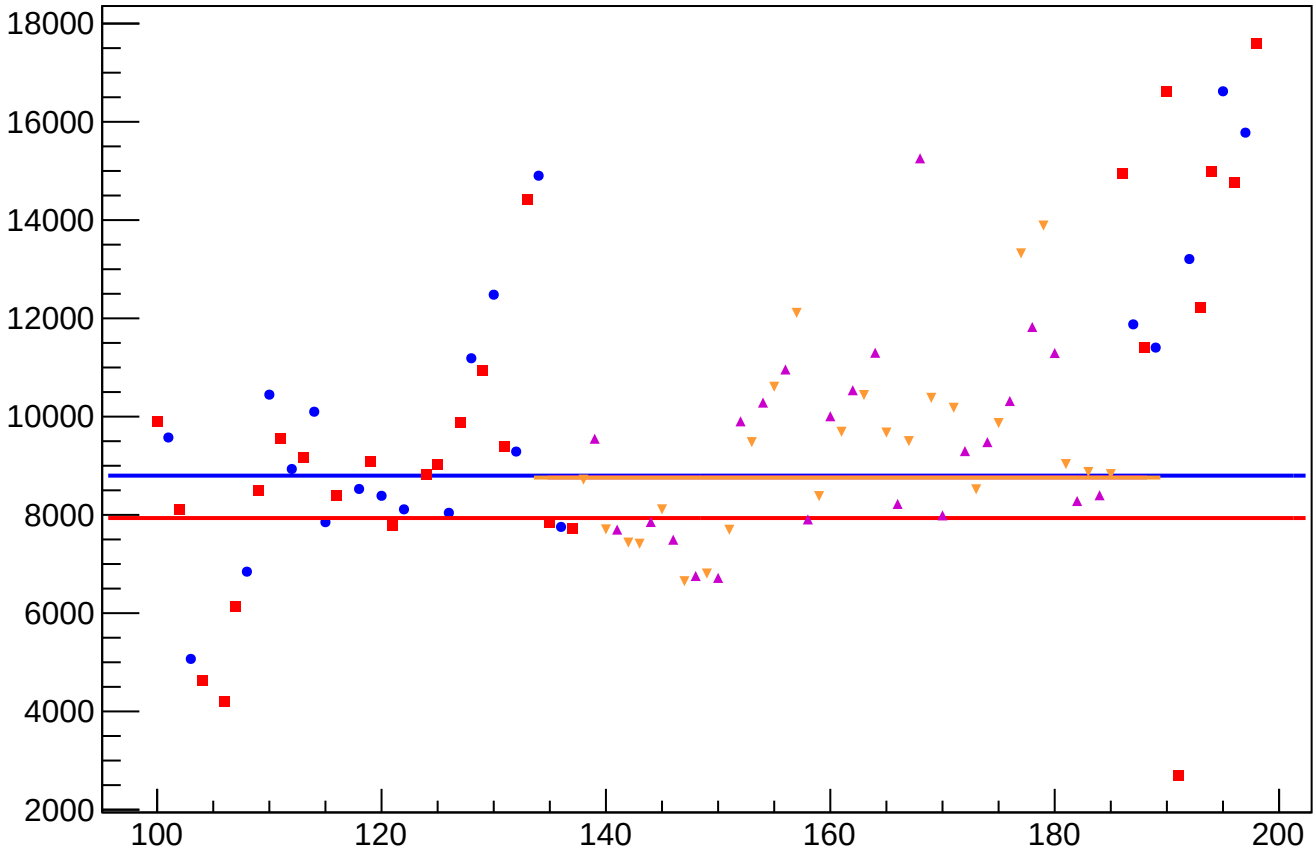
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: -2196.995+/-1866.457 χ^2/NDF: 46.5/47

In: -513.829+/-1686.051 χ^2/NDF:34.7/43

Out: -885.336+/-1570.834 χ^2/NDF:54.7/51

All: -712.708+/-1149.323 χ^2/NDF: 89.4/95



Right In: 8798.845+/-2.016 χ^2/NDF: 2066948.4/20

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 7935.757+/-1.746 χ^2/NDF: 4176933.4/26

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

Left: 8761.827+/-1.031 χ^2/NDF: 2513941.7/47

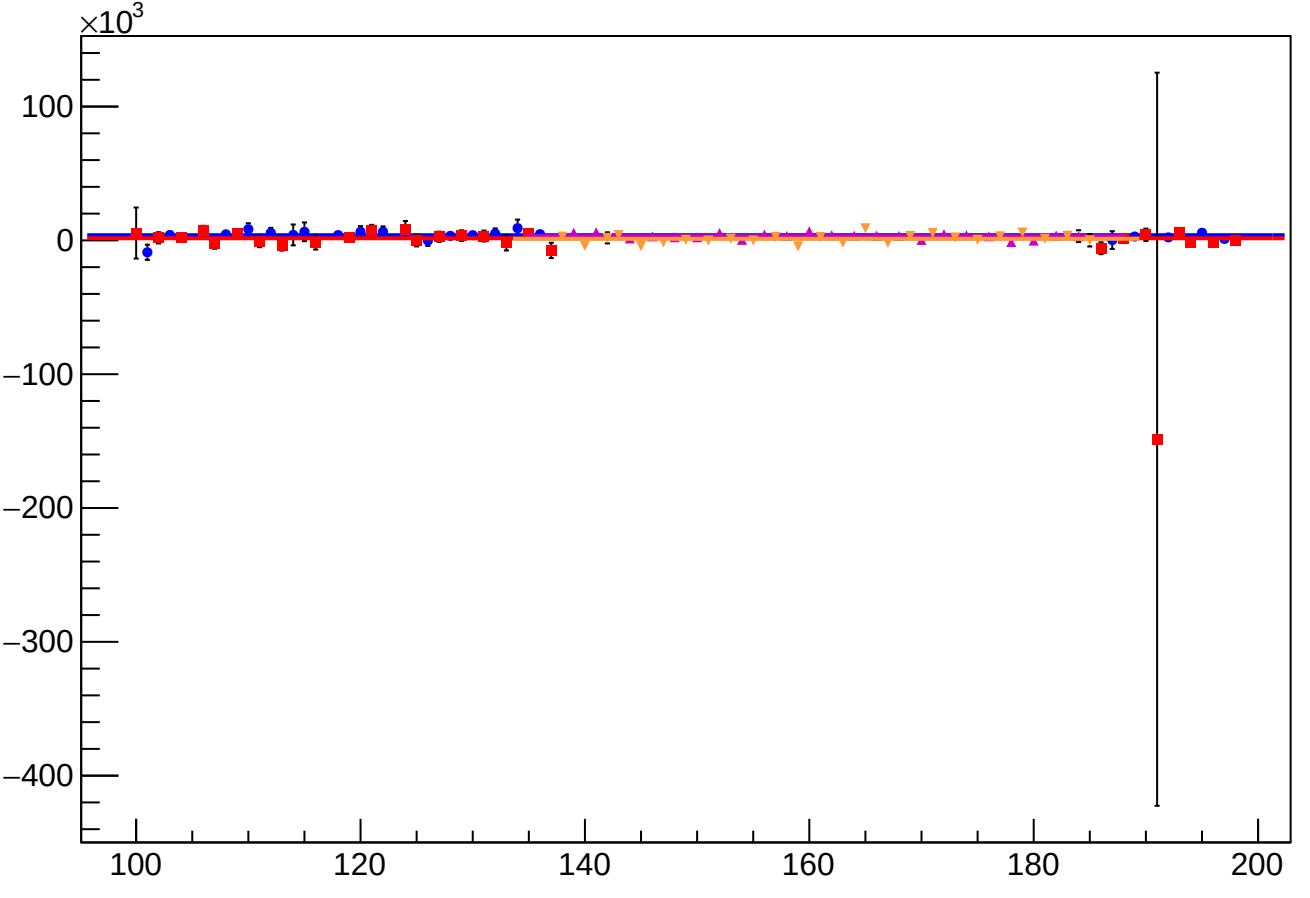
Right: 8305.683+/-1.320 χ^2/NDF: 6348618.8/47

In: 8776.277+/-1.192 χ^2/NDF:3358840.1/43

Out: 8426.191+/-1.111 χ^2/NDF:5531719.5/51

All: 8588.865+/-0.813 χ^2/NDF: 8936719.1/95

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3871.155+/-808.107 χ^2/NDF: 10.9/20

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1587.641+/-744.416 χ^2/NDF: 23.1/26

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

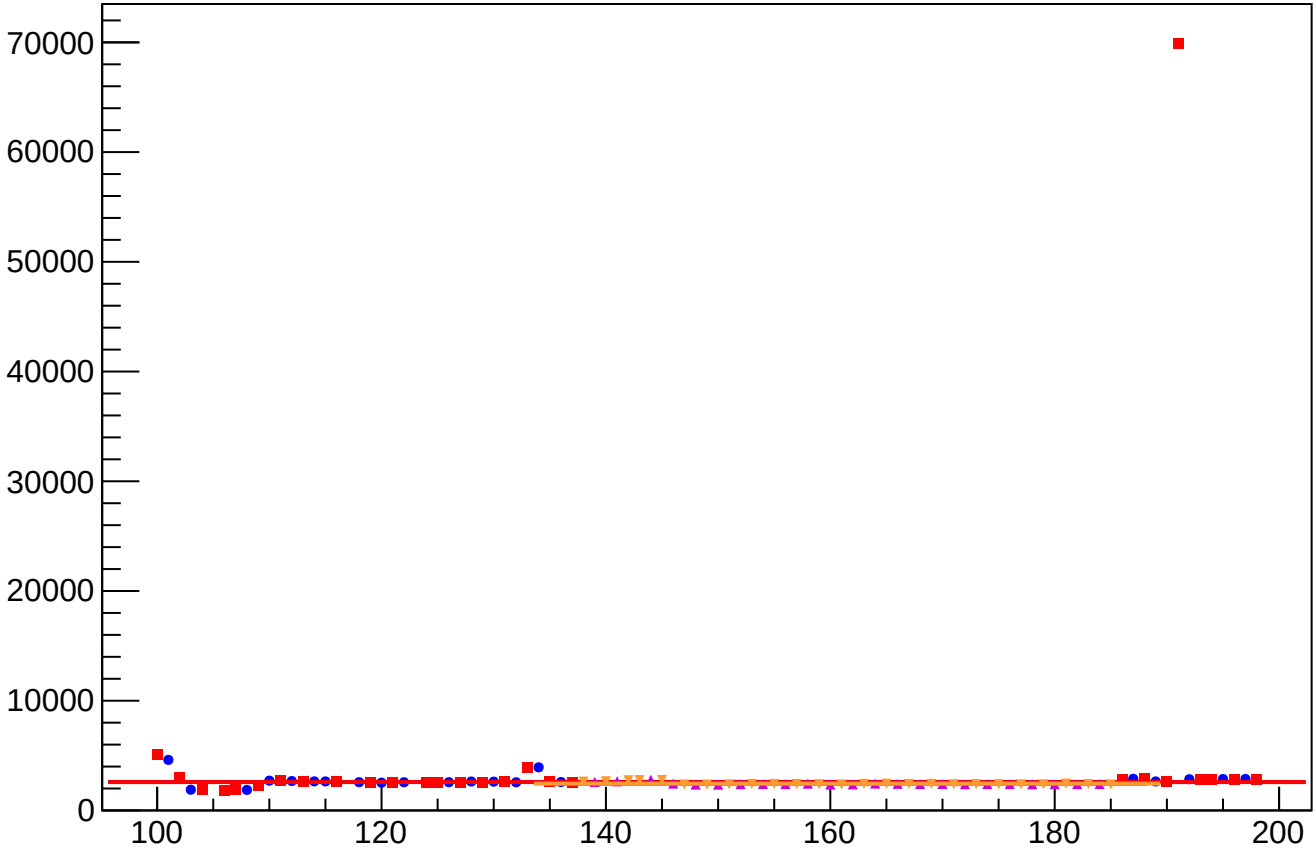
Right: 2635.877+/-547.516 χ^2/NDF: 38.4/47

In: 3387.295+/-465.363 χ^2/NDF:24.1/43

Out: 1331.615+/-445.588 χ^2/NDF:54.5/51

All: 2314.851+/-321.842 χ^2/NDF: 88.8/95

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2596.026+/-0.571 χ^2/NDF: 678102.7/20

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2585.470+/-0.526 χ^2/NDF: 709255.7/26

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

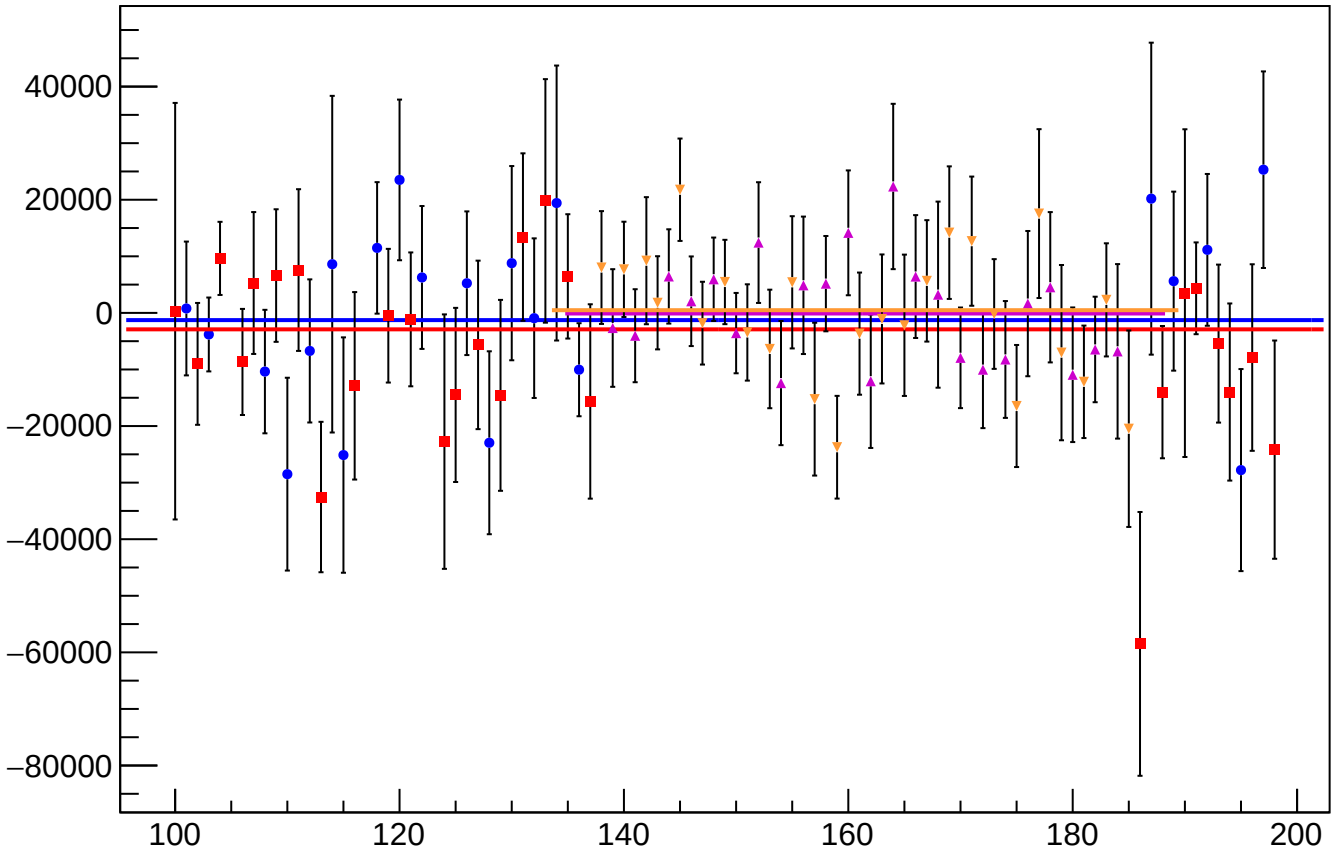
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2590.316+/-0.387 χ^2/NDF: 1387543.0/47

In: 2489.035+/-0.329 χ^2/NDF:789745.0/43

Out: 2495.859+/-0.315 χ^2/NDF:844434.1/51

All: 2492.595+/-0.228 χ^2/NDF: 1634403.5/95



Right In: -1273.681+/-2851.006 χ^2/NDF: 20.1/20

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2907.742+/-2495.585 χ^2/NDF: 26.2/26

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

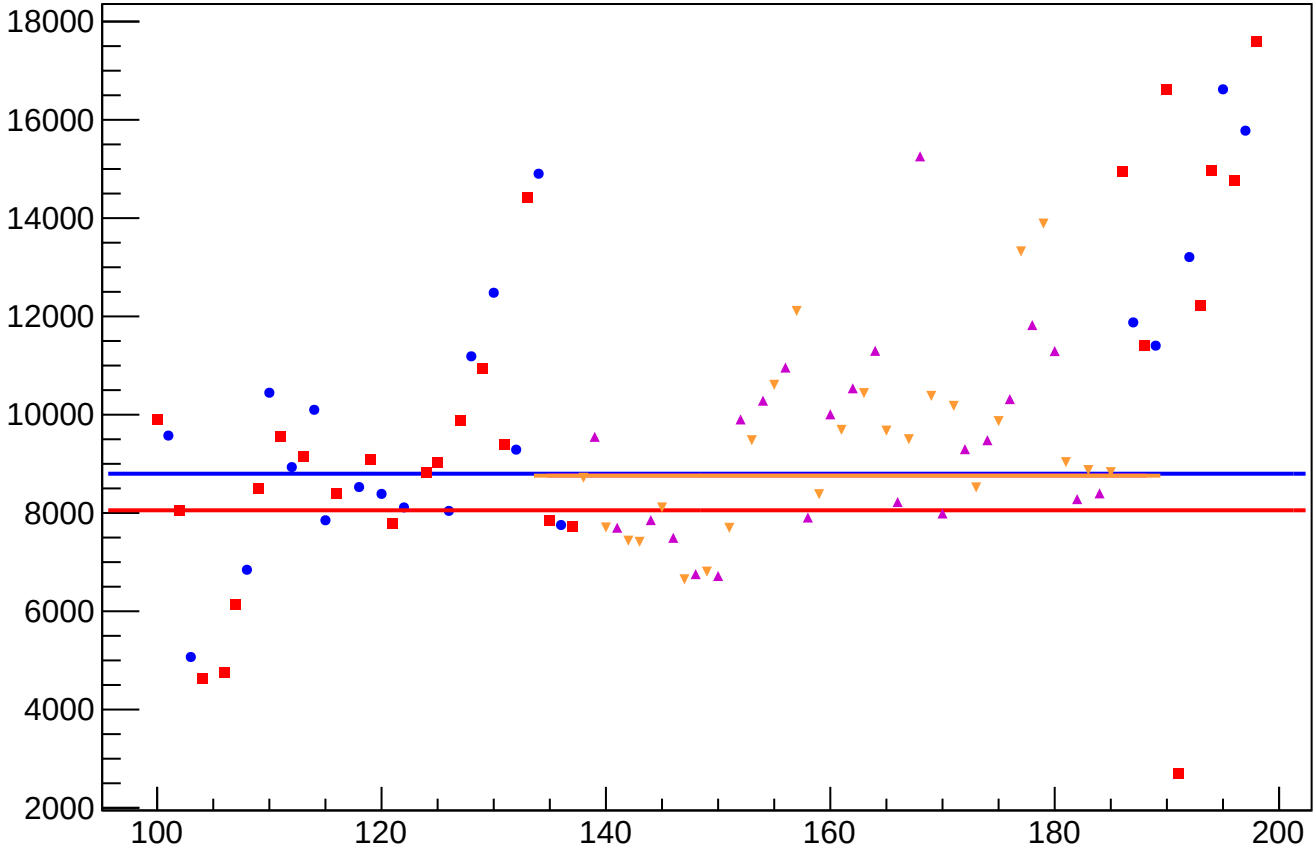
Right: -2198.859+/-1877.808 χ^2/NDF: 46.5/47

In: -513.757+/-1686.065 χ^2/NDF:34.7/43

Out: -875.446+/-1577.570 χ^2/NDF:54.7/51

All: -706.612+/-1151.958 χ^2/NDF: 89.5/95

asym_atr2_cor_correction_rms vs Slug, Sign Corrected



Right In: 8799.164+/-2.016 χ^2/NDF: 2066531.4/20

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8054.553+/-1.765 χ^2/NDF: 3983463.9/26

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

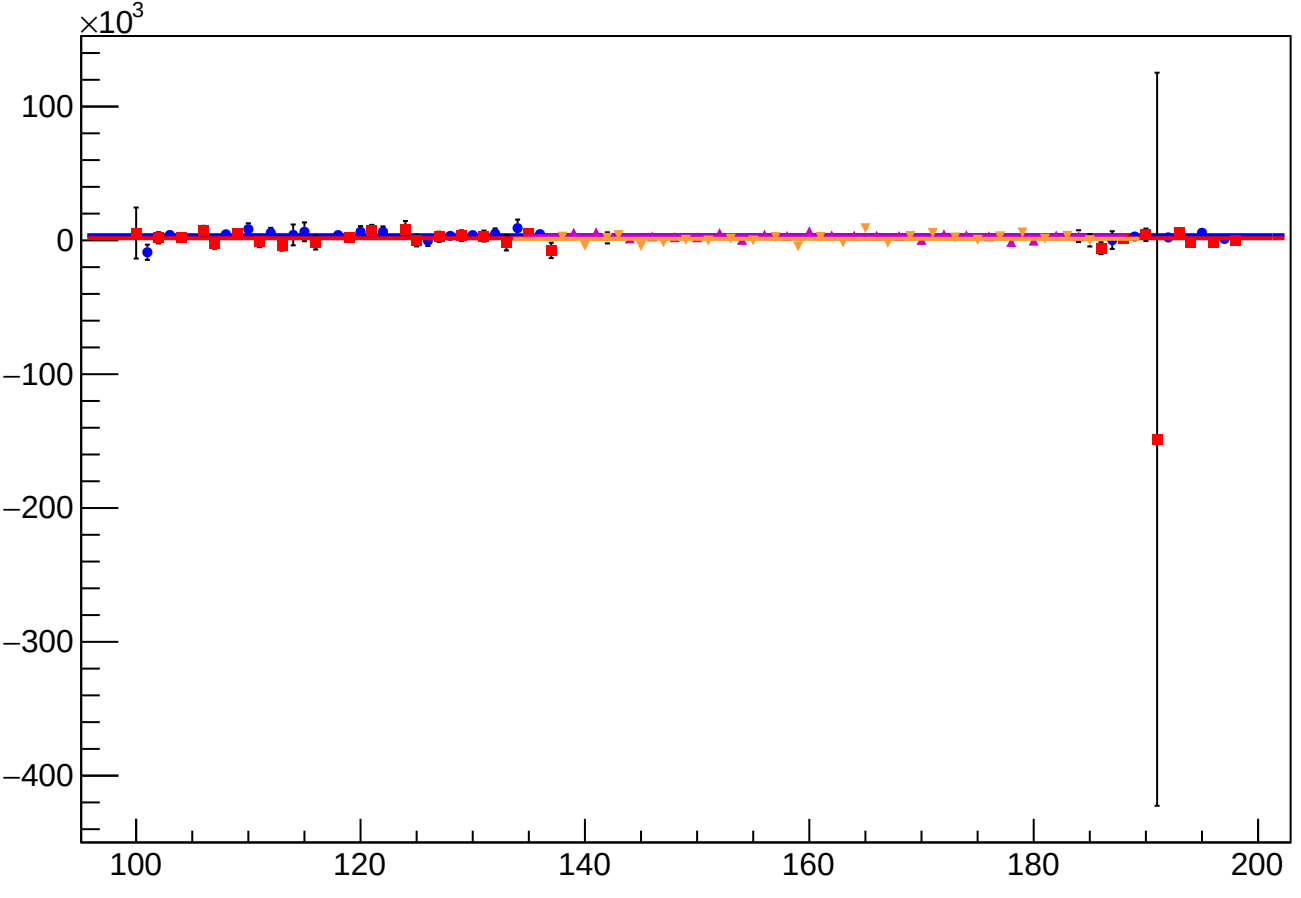
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 8377.577+/-1.328 χ^2/NDF: 6127236.7/47

In: 8776.385+/-1.192 χ^2/NDF:3358428.1/43

Out: 8477.873+/-1.116 χ^2/NDF:5301562.0/51

All: 8617.216+/-0.815 χ^2/NDF: 8693417.3/95



Right In: 3871.155+/-808.107 χ^2/NDF: 10.9/20

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1587.641+/-744.416 χ^2/NDF: 23.1/26

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

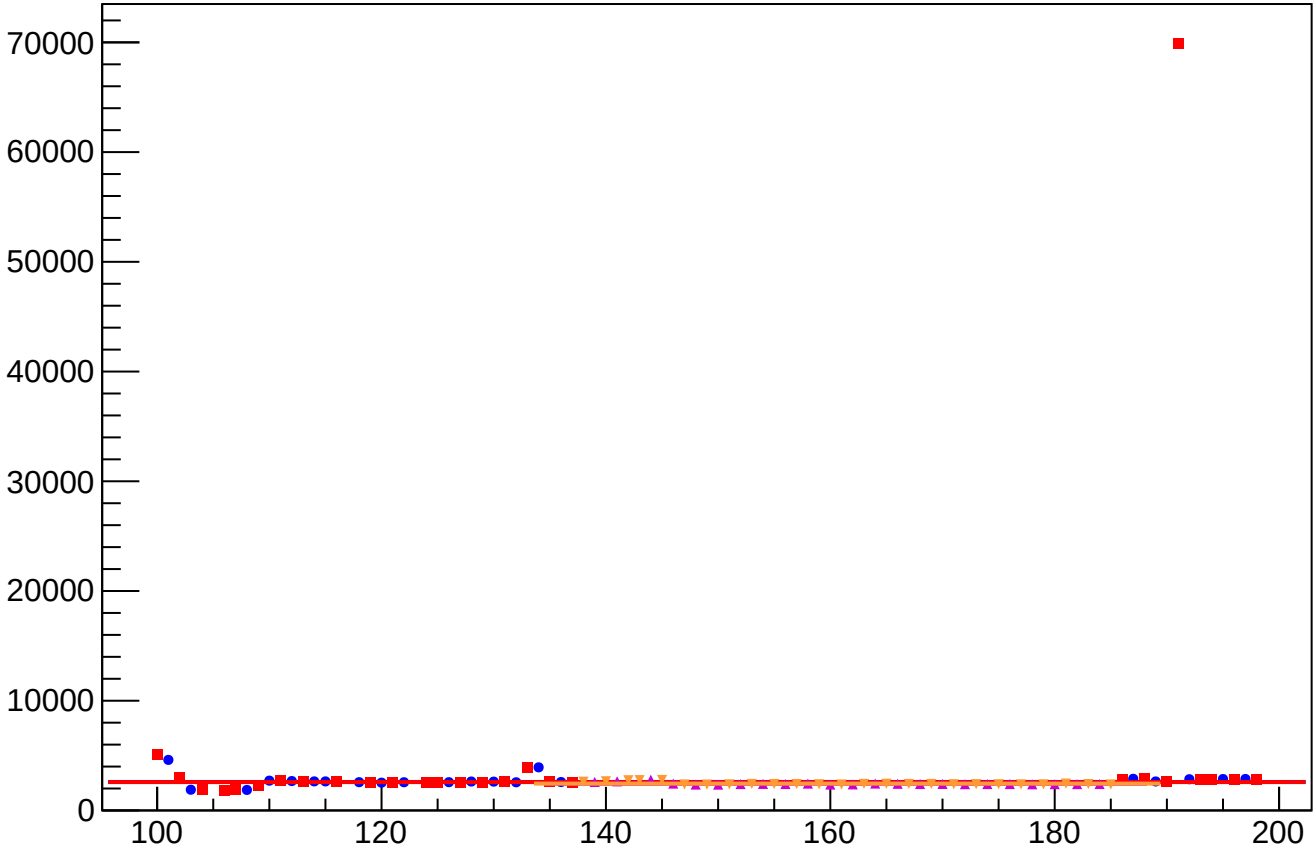
Right: 2635.877+/-547.516 χ^2/NDF: 38.4/47

In: 3387.295+/-465.363 χ^2/NDF:24.1/43

Out: 1331.615+/-445.588 χ^2/NDF:54.5/51

All: 2314.851+/-321.842 χ^2/NDF: 88.8/95

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2596.026+/-0.571 χ^2/NDF: 678102.7/20

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2585.470+/-0.526 χ^2/NDF: 709255.7/26

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

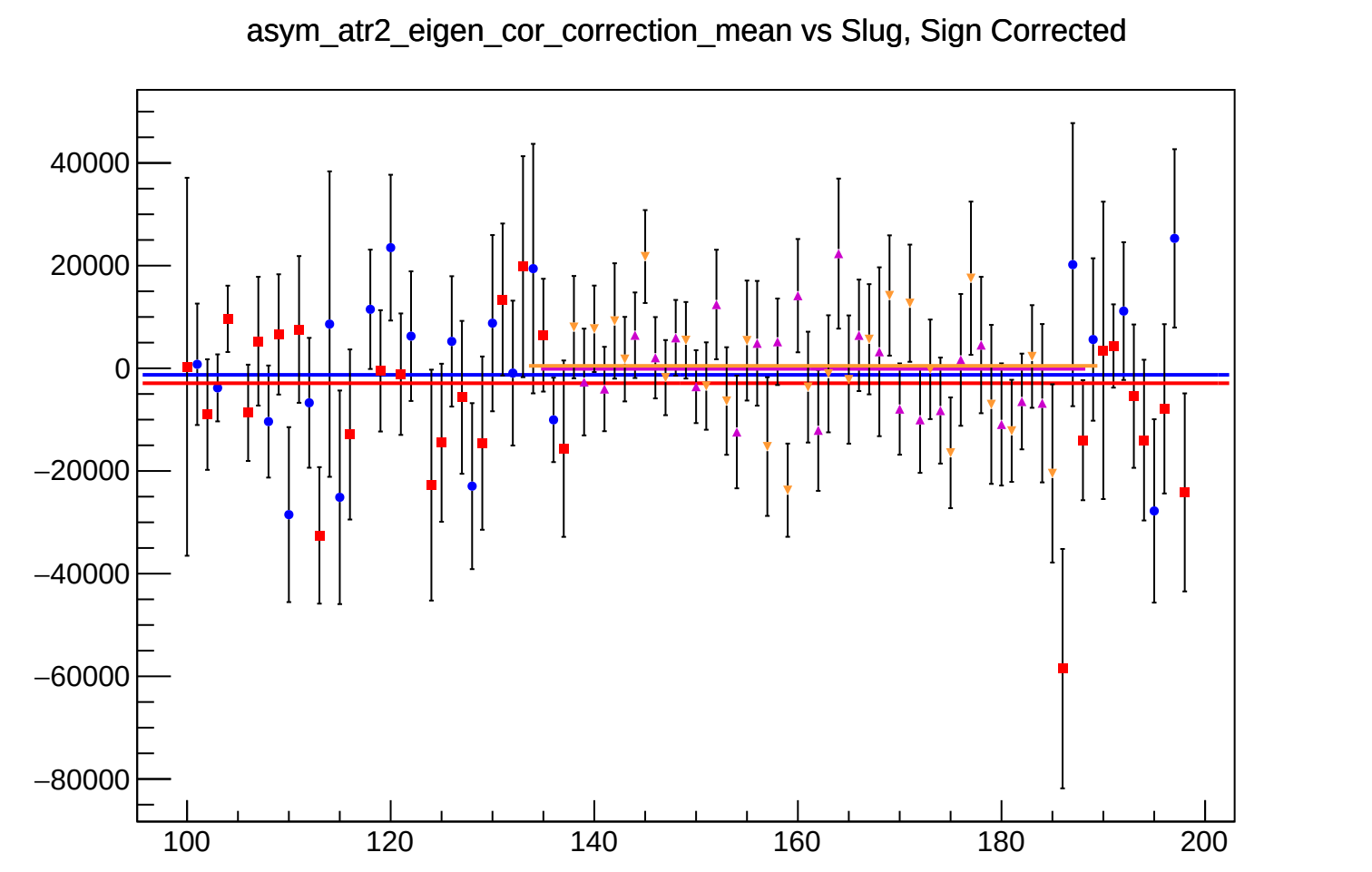
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2590.316+/-0.387 χ^2/NDF: 1387543.0/47

In: 2489.035+/-0.329 χ^2/NDF:789745.0/43

Out: 2495.859+/-0.315 χ^2/NDF:844434.1/51

All: 2492.595+/-0.228 χ^2/NDF: 1634403.5/95



Right In: -1273.681+/-2851.006 χ^2/NDF: 20.1/20

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2907.742+/-2495.585 χ^2/NDF: 26.2/26

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

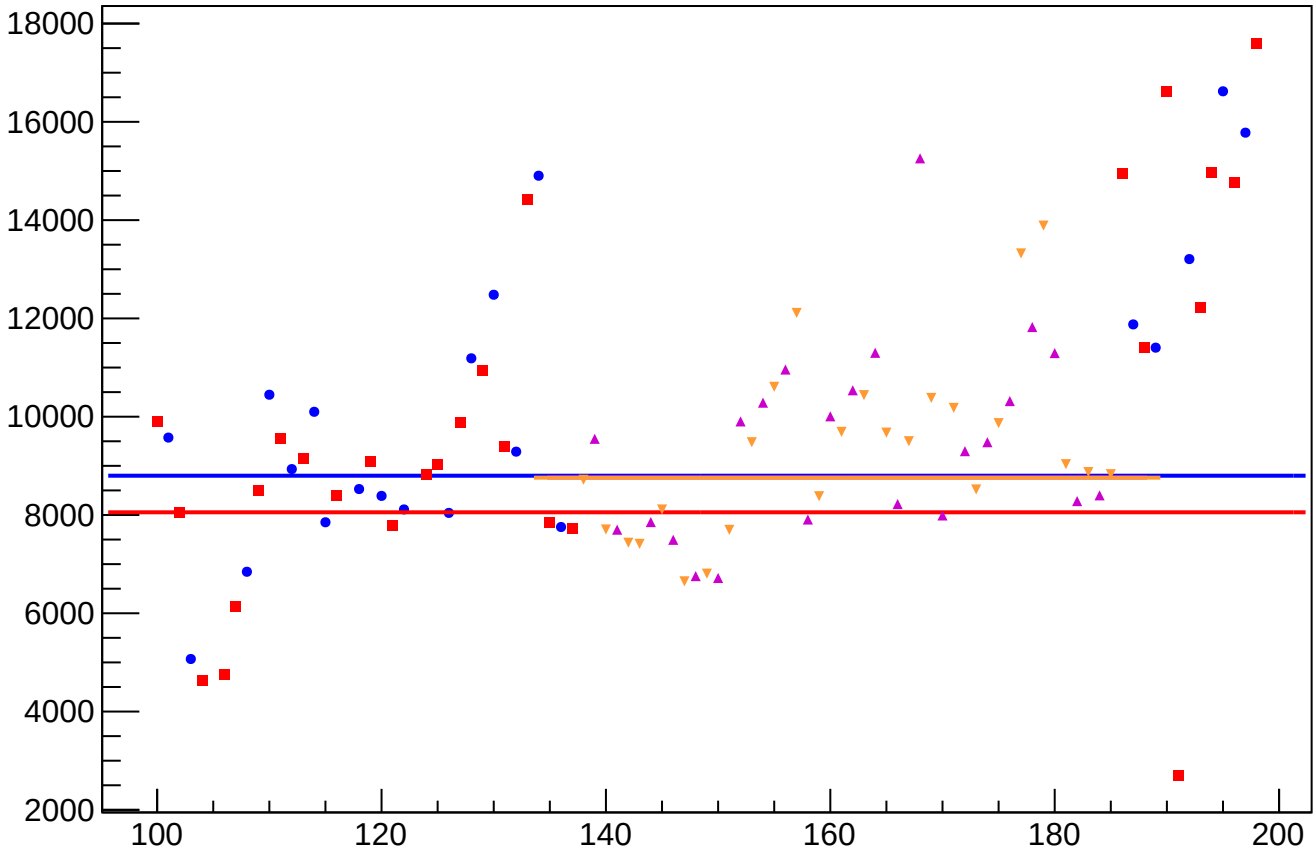
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -2198.859+/-1877.808 χ^2/NDF: 46.5/47

In: -513.757+/-1686.065 χ^2/NDF:34.7/43

Out: -875.446+/-1577.570 χ^2/NDF:54.7/51

All: -706.612+/-1151.958 χ^2/NDF: 89.5/95



Right In: 8799.164+/-2.016 χ^2/NDF: 2066531.4/20

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8054.553+/-1.765 χ^2/NDF: 3983463.9/26

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

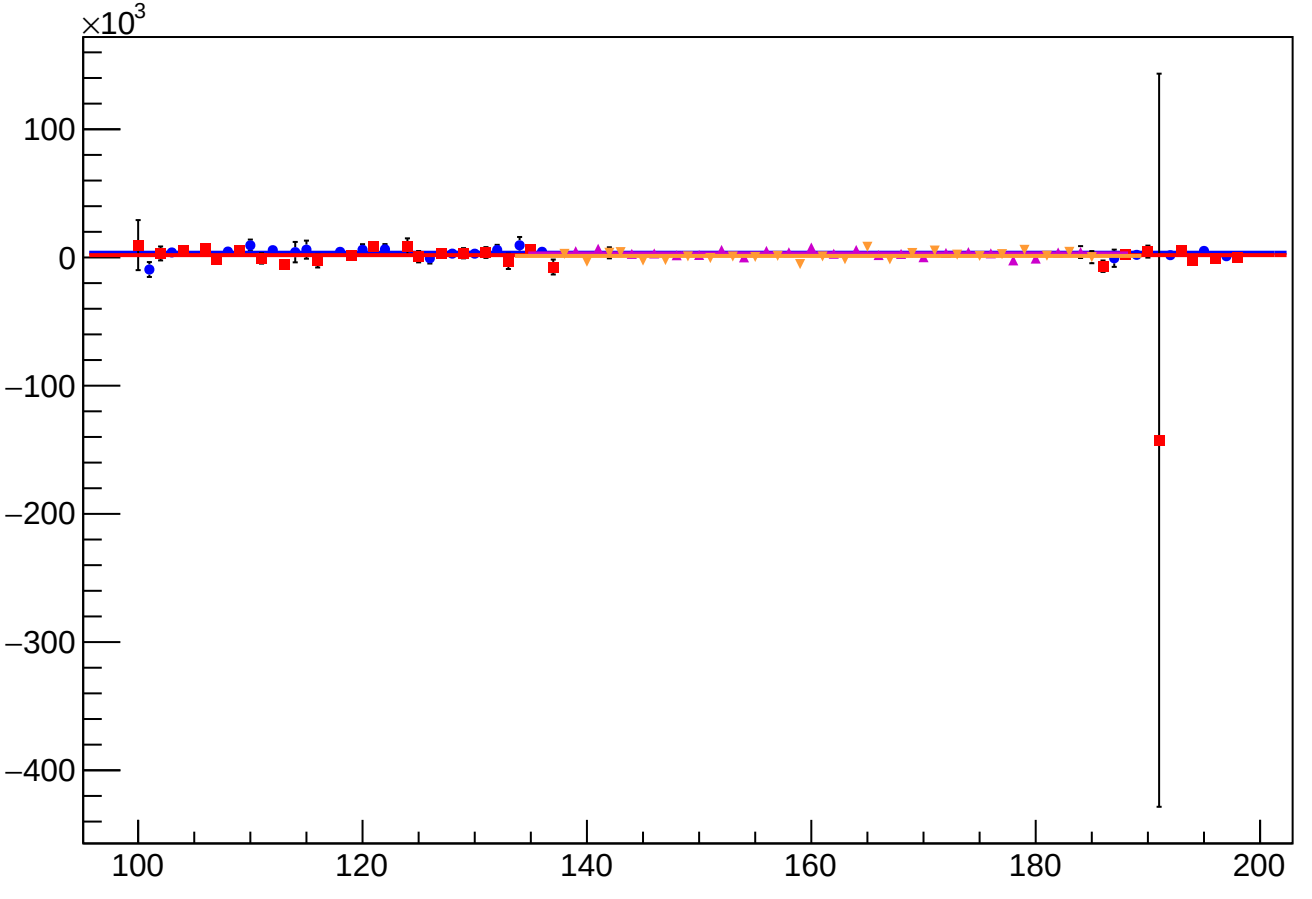
Right: 8377.577+/-1.328 χ^2/NDF: 6127236.7/47

In: 8776.385+/-1.192 χ^2/NDF:3358428.1/43

Out: 8477.873+/-1.116 χ^2/NDF:5301562.0/51

All: 8617.216+/-0.815 χ^2/NDF: 8693417.3/95

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3716.324+/-837.866 χ^2/NDF: 12.3/20

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: 1828.427+/-772.723 χ^2/NDF: 26.5/26

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

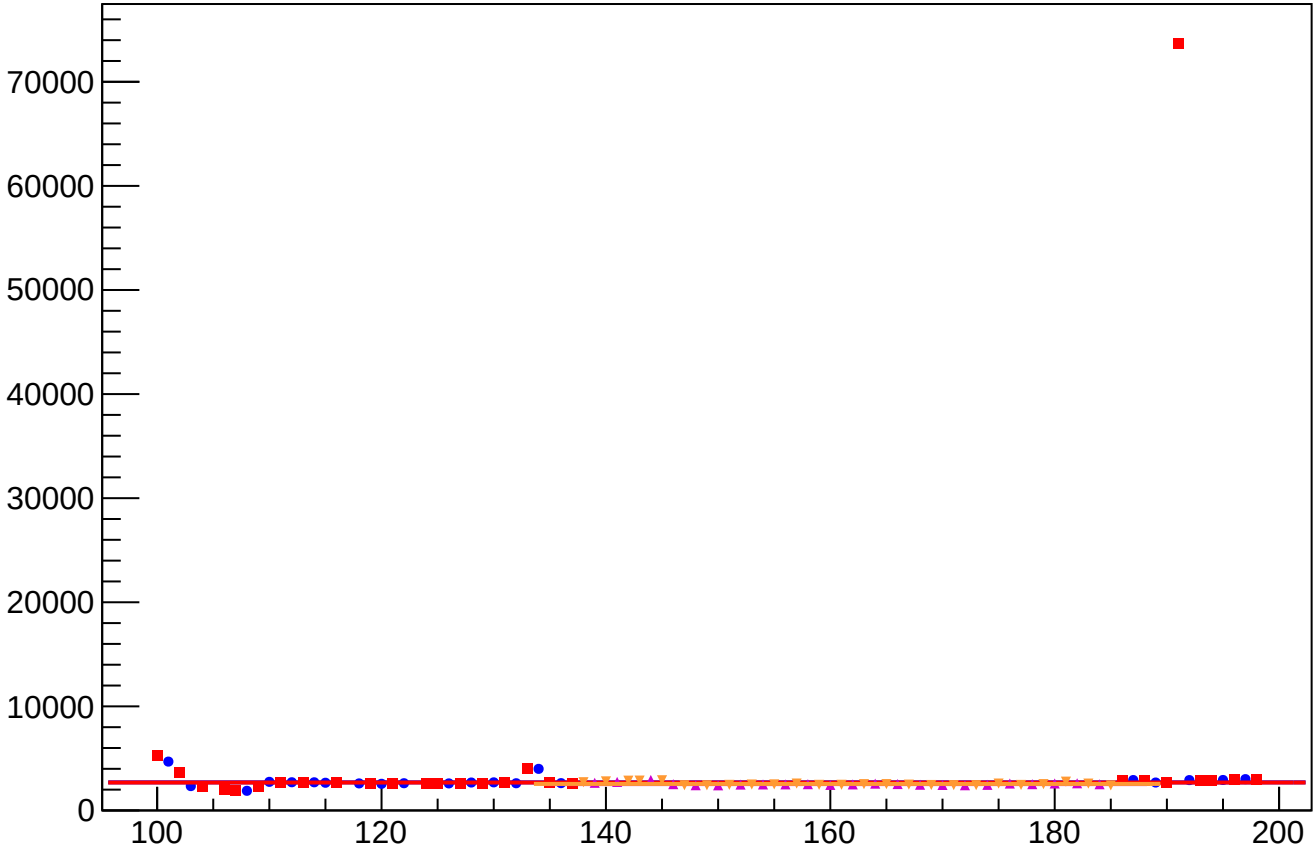
Right: 2696.140+/-568.033 χ^2/NDF: 41.5/47

In: 3338.805+/-483.555 χ^2/NDF:29.1/43

Out: 1435.188+/-463.711 χ^2/NDF:53.7/51

All: 2347.136+/-334.689 χ^2/NDF: 90.9/95

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2699.935+/-0.592 χ^2/NDF: 539946.8/20

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2682.796+/-0.546 χ^2/NDF: 620782.8/26

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

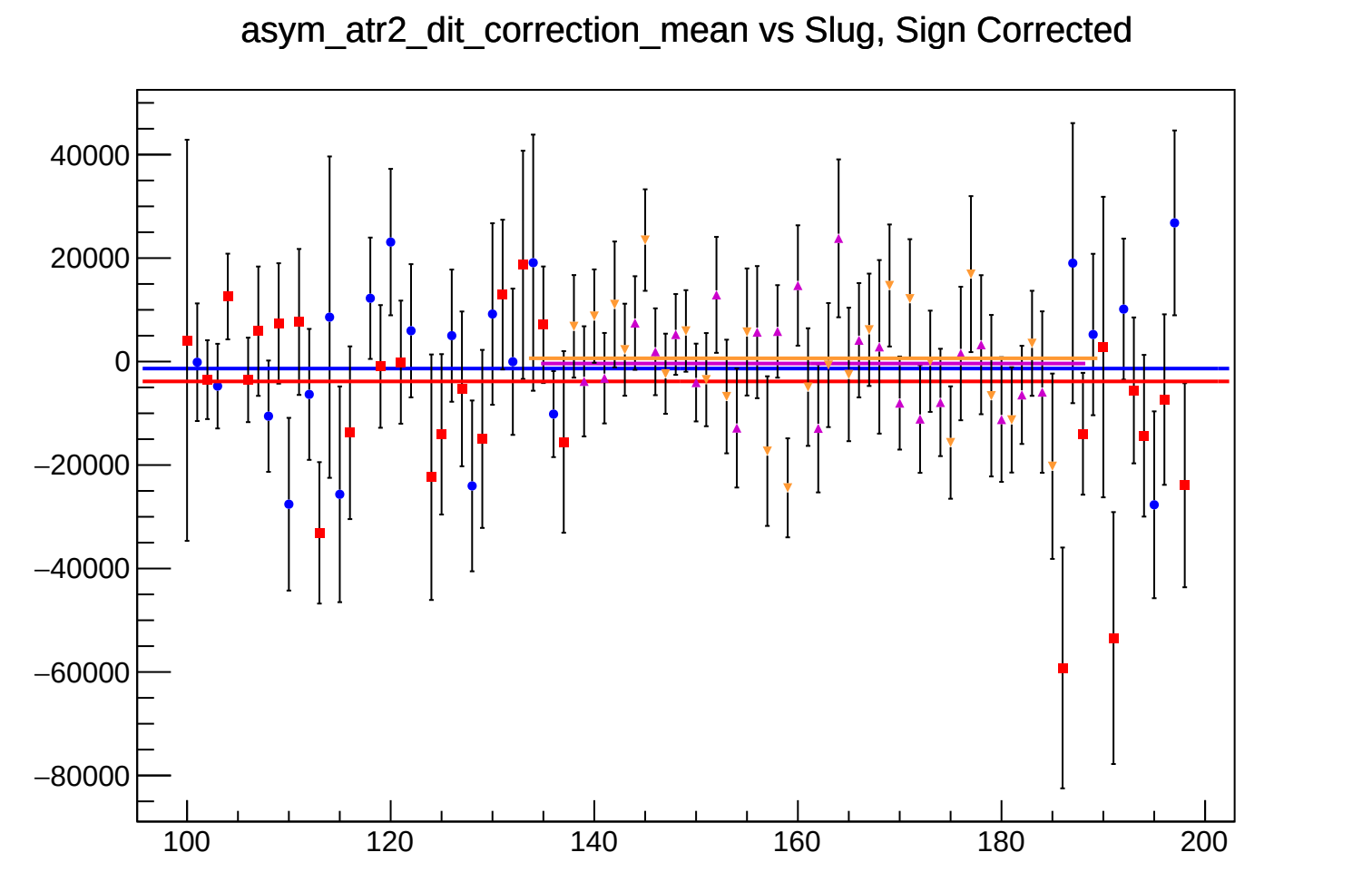
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

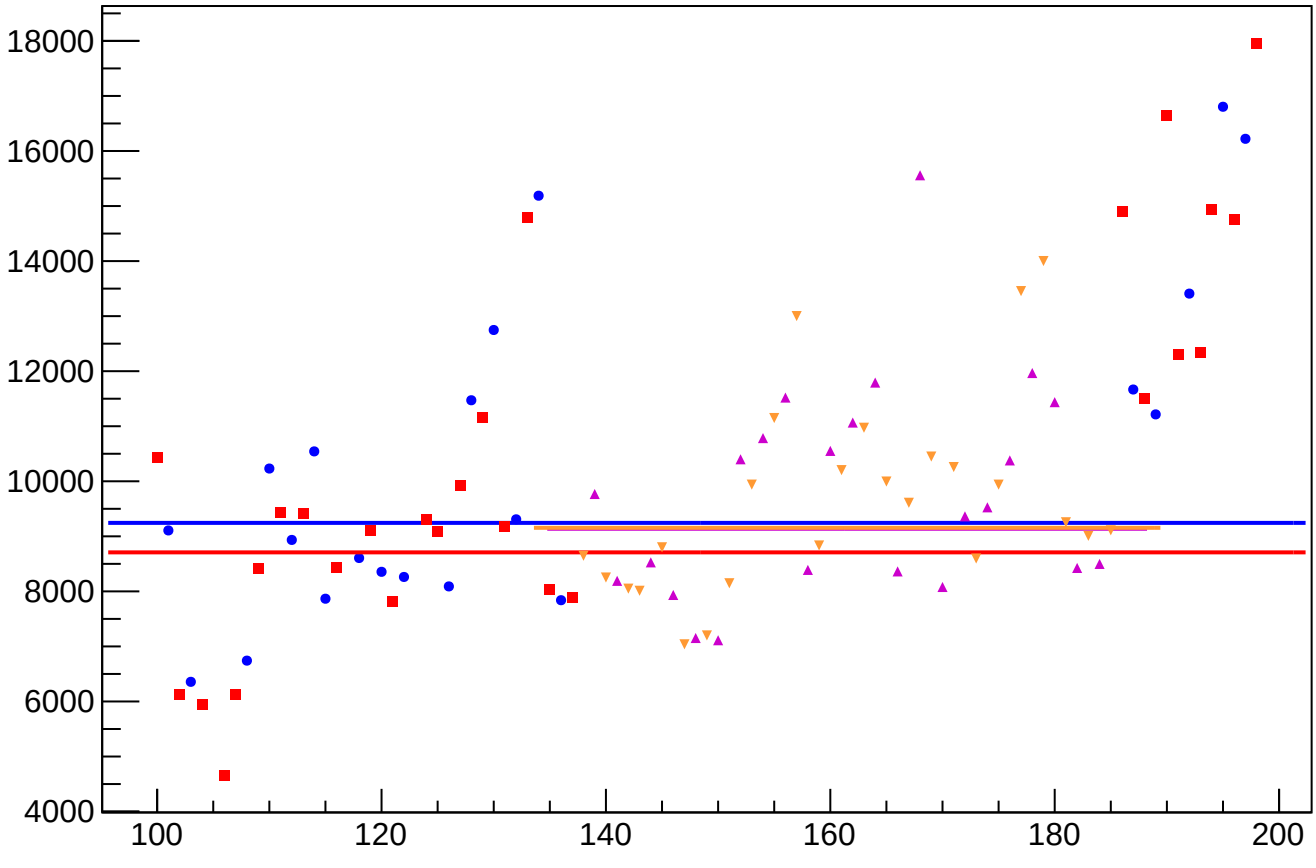
Right: 2690.670+/-0.402 χ^2/NDF: 1161181.9/47

In: 2588.450+/-0.342 χ^2/NDF:661480.7/43

Out: 2596.025+/-0.328 χ^2/NDF:777533.7/51

All: 2592.396+/-0.237 χ^2/NDF: 1439270.1/95


asym_atr2_dit_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -1351.030+/-2961.500 χ²/NDF: 20.0/20
Left Out: 631.360+/-2123.101 χ²/NDF:26.7/24
Right Out: -3834.508+/-2595.308 χ²/NDF: 28.7/26
Left In: -377.922+/-2176.347 χ²/NDF:14.2/22
Left: 139.216+/-1519.735 χ²/NDF: 41.0/47
Right: -2755.722+/-1951.863 χ²/NDF: 49.1/47
In: -719.162+/-1753.723 χ²/NDF:34.3/43
Out: -1159.073+/-1643.293 χ²/NDF:57.1/51
All: -953.403+/-1199.124 χ²/NDF: 91.5/95



Right In: 9244.386+/-2.094 χ^2/NDF: 1599107.0/20

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 8708.600+/-1.835 χ^2/NDF: 2889637.6/26

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

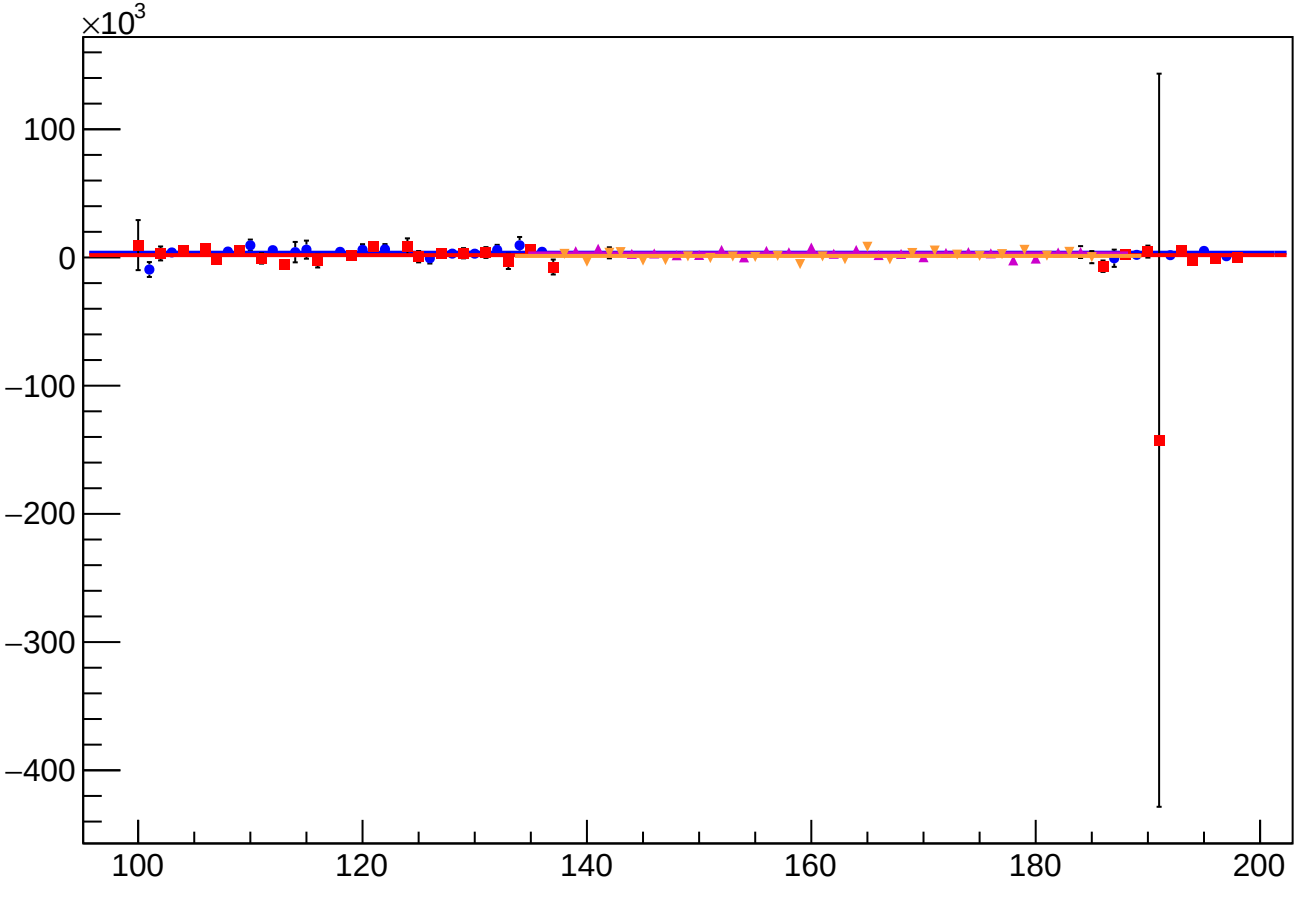
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 8941.338+/-1.380 χ^2/NDF: 4525770.7/47

In: 9175.031+/-1.240 χ^2/NDF:2773588.4/43

Out: 8975.845+/-1.162 χ^2/NDF:3997109.8/51

All: 9068.970+/-0.848 χ^2/NDF: 6784436.2/95



Right In: 3716.326+/-837.866 χ^2/NDF: 12.3/20

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: 1828.431+/-772.723 χ^2/NDF: 26.5/26

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

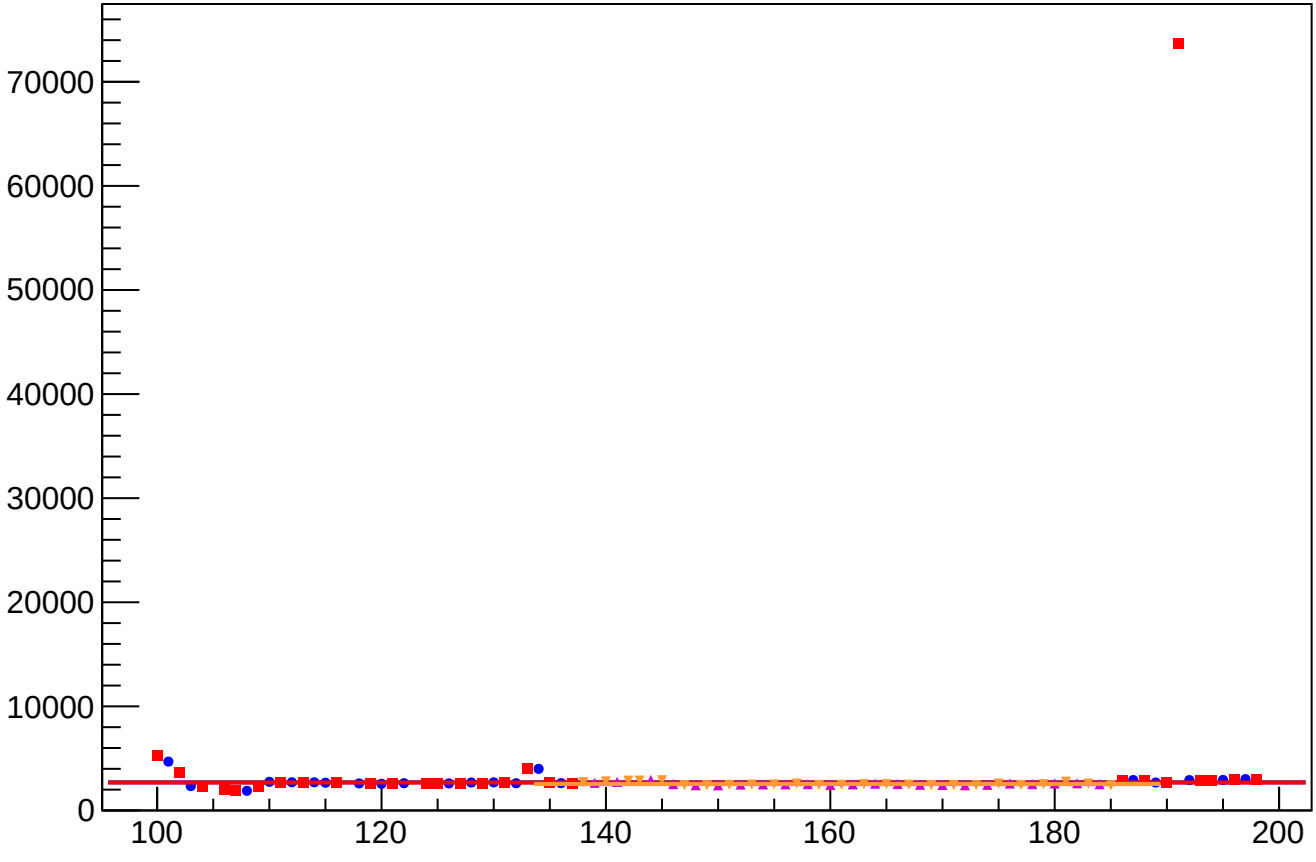
Right: 2696.143+/-568.033 χ^2/NDF: 41.5/47

In: 3338.805+/-483.555 χ^2/NDF:29.1/43

Out: 1435.182+/-463.711 χ^2/NDF:53.7/51

All: 2347.133+/-334.689 χ^2/NDF: 90.9/95

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2699.934+/-0.592 χ^2/NDF: 539947.1/20

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2682.795+/-0.546 χ^2/NDF: 620782.5/26

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

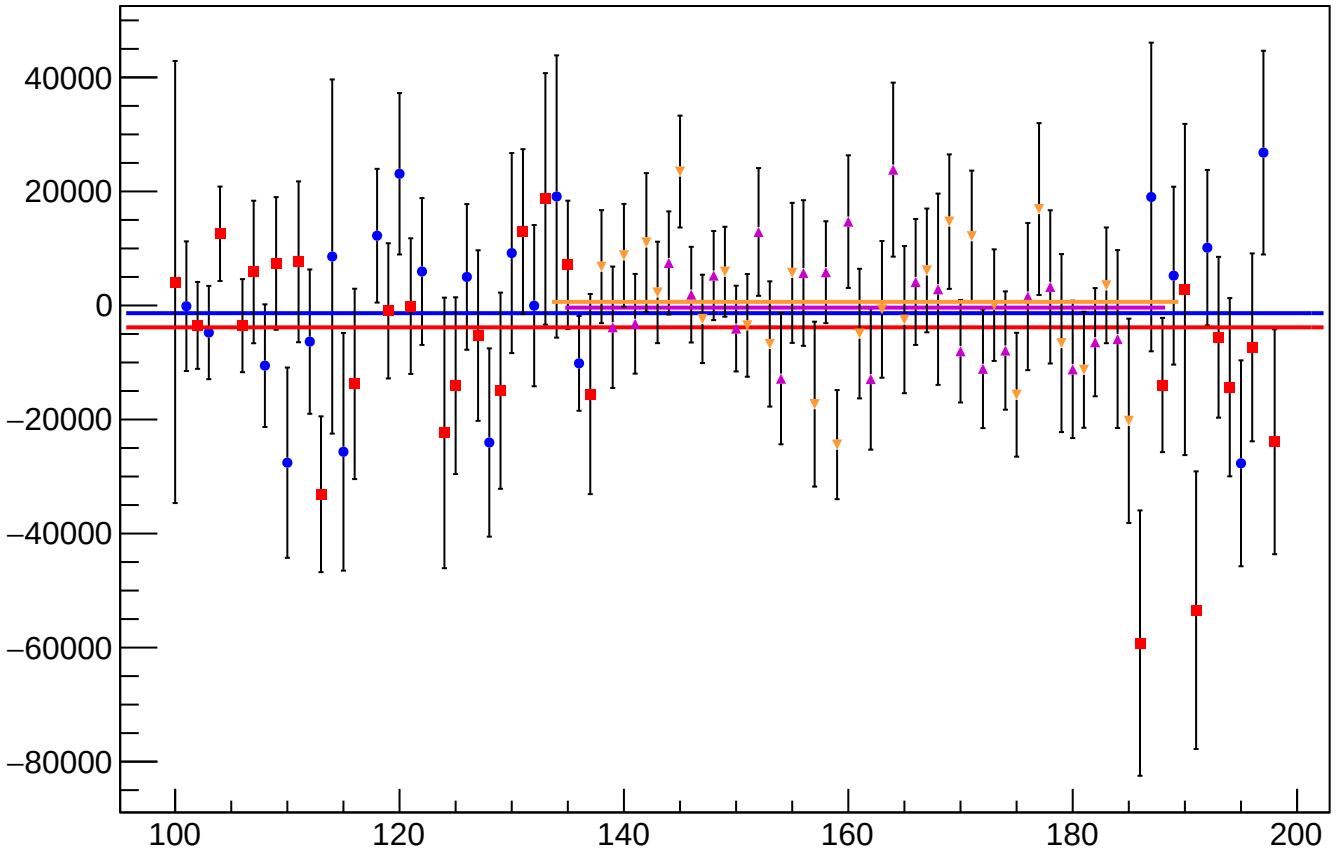
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2690.669+/-0.402 χ^2/NDF: 1161181.9/47

In: 2588.451+/-0.342 χ^2/NDF:661478.9/43

Out: 2596.026+/-0.328 χ^2/NDF:777532.4/51

All: 2592.397+/-0.237 χ^2/NDF: 1439267.1/95



Right In: -1351.002+/-2961.497 χ^2/NDF: 20.0/20

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: -3834.495+/-2595.304 χ^2/NDF: 28.7/26

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

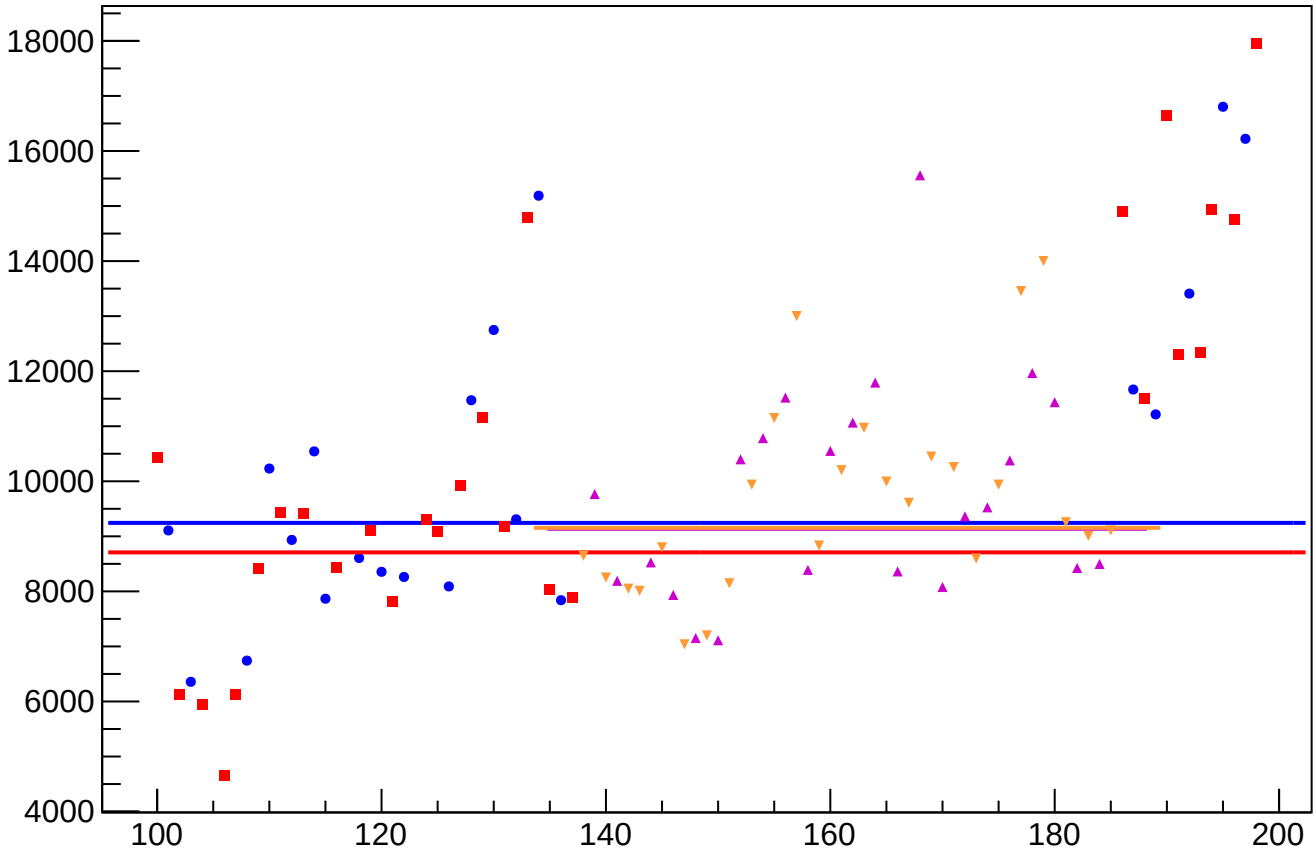
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -2755.703+/-1951.860 χ^2/NDF: 49.1/47

In: -719.156+/-1753.724 χ^2/NDF:34.3/43

Out: -1159.076+/-1643.293 χ^2/NDF:57.1/51

All: -953.402+/-1199.124 χ^2/NDF: 91.5/95



Right In: 9244.376+/-2.094 χ^2/NDF: 1599108.0/20

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 8708.588+/-1.835 χ^2/NDF: 2889642.9/26

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

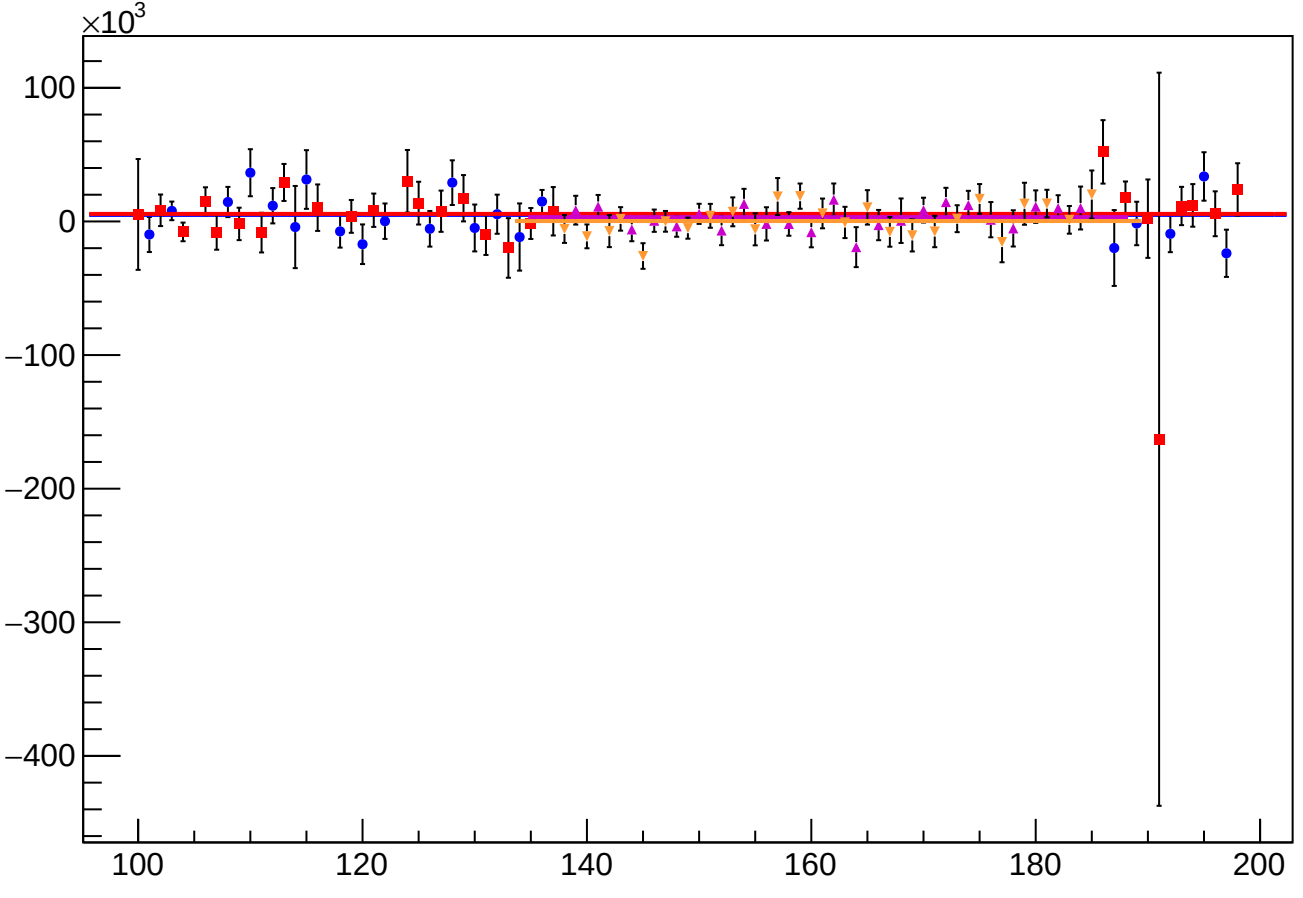
Right: 8941.327+/-1.380 χ^2/NDF: 4525777.6/47

In: 9175.037+/-1.240 χ^2/NDF:2773592.6/43

Out: 8975.848+/-1.162 χ^2/NDF:3997121.3/51

All: 9068.974+/-0.848 χ^2/NDF: 6784452.2/95

asym_atr2_mean vs Slug, Sign Corrected



Right In: 4894.954+/-2990.101 χ^2/NDF: 22.4/20

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: 5649.401+/-2763.507 χ^2/NDF: 21.0/26

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

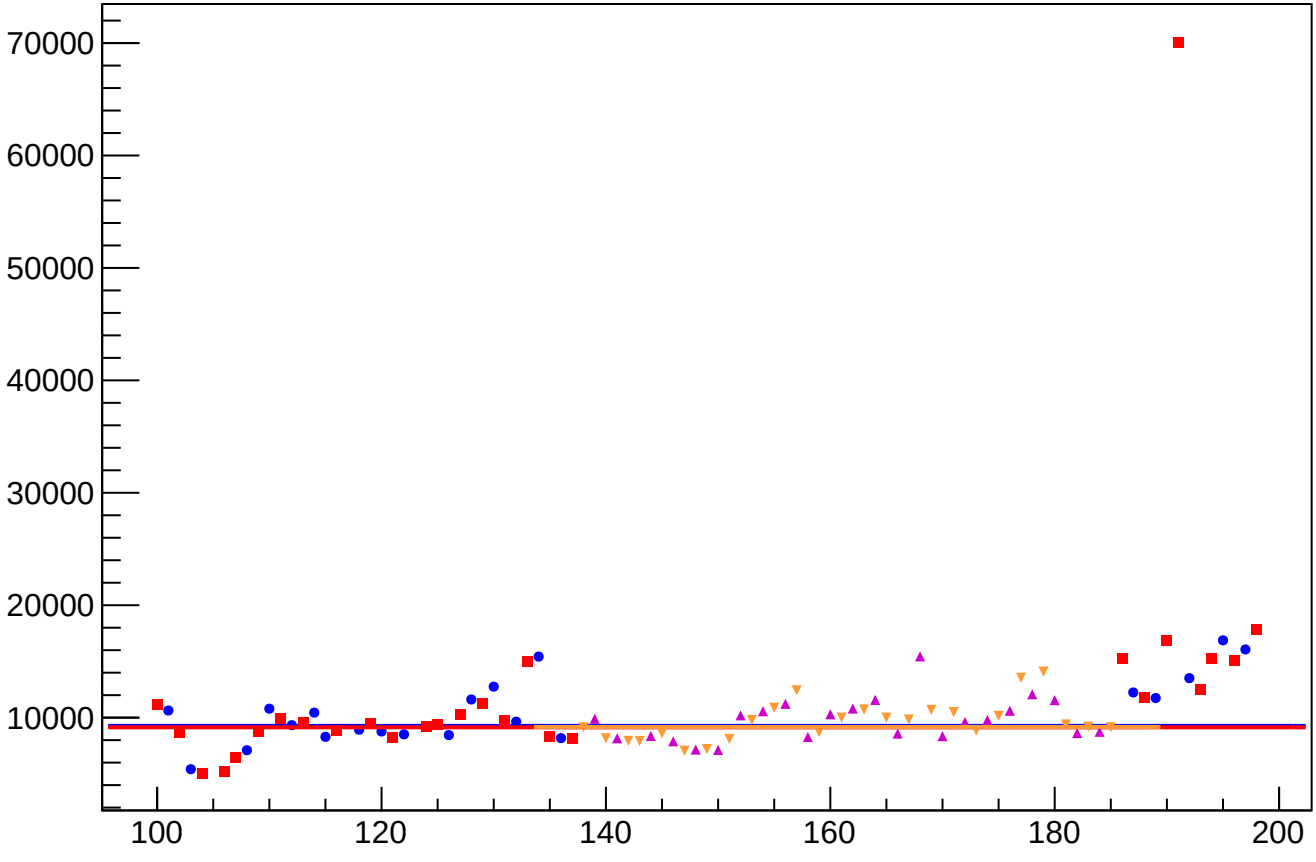
Right: 5301.843+/-2029.479 χ^2/NDF: 43.4/47

In: 3810.188+/-1761.453 χ^2/NDF:36.2/43

Out: 2285.047+/-1684.745 χ^2/NDF:49.7/51

All: 3013.686+/-1217.510 χ^2/NDF: 86.2/95

asym_atr2_rms vs Slug, Sign Corrected



Right In: 9267.472+/-2.114 χ^2/NDF: 1925657.0/20

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 9139.922+/-1.954 χ^2/NDF: 2838763.6/26

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

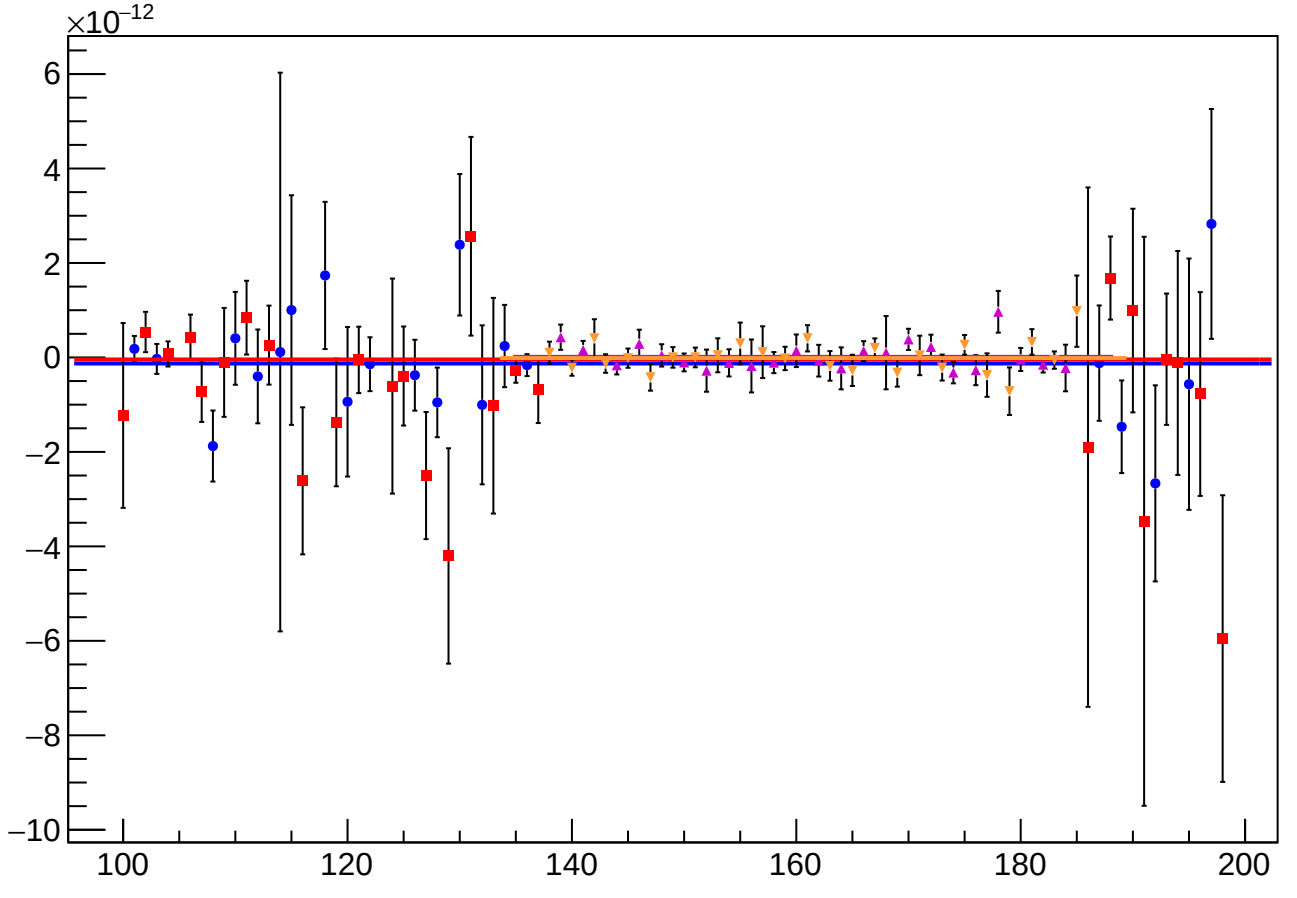
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 9198.680+/-1.435 χ^2/NDF: 4766383.3/47

In: 9198.783+/-1.246 χ^2/NDF:3054806.8/43

Out: 9160.596+/-1.191 χ^2/NDF:3895888.6/51

All: 9178.840+/-0.861 χ^2/NDF: 6951186.3/95



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/20

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.1/26

Left In: 0.000+/-0.000 χ^2/NDF:19.2/22

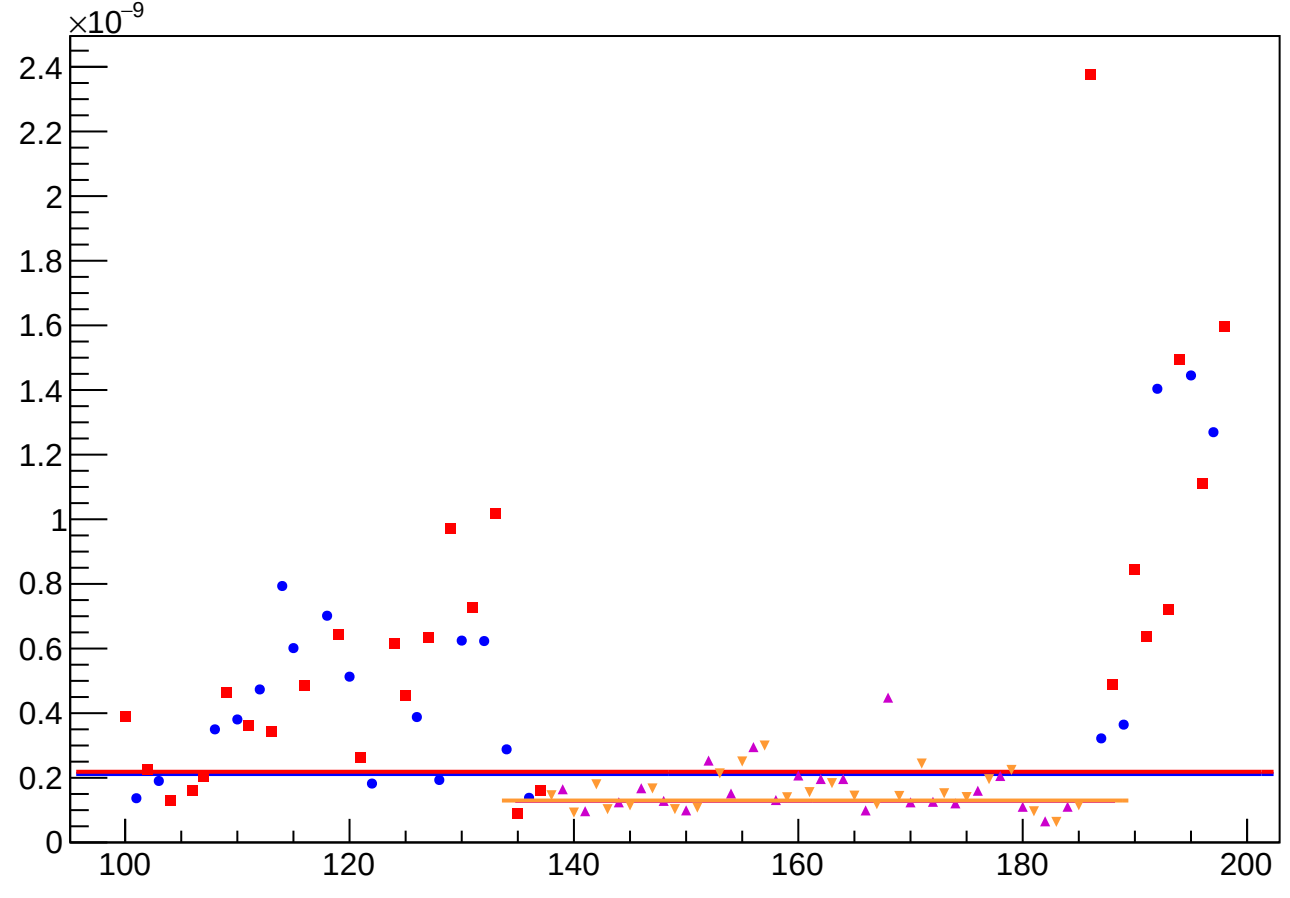
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 46.8/47

In: -0.000+/-0.000 χ^2/NDF:38.7/43

Out: -0.000+/-0.000 χ^2/NDF:47.5/51

All: -0.000+/-0.000 χ^2/NDF: 86.2/95



Right In: 0.000+/-0.000 χ^2/NDF: 2901619.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4410357.3/26

Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

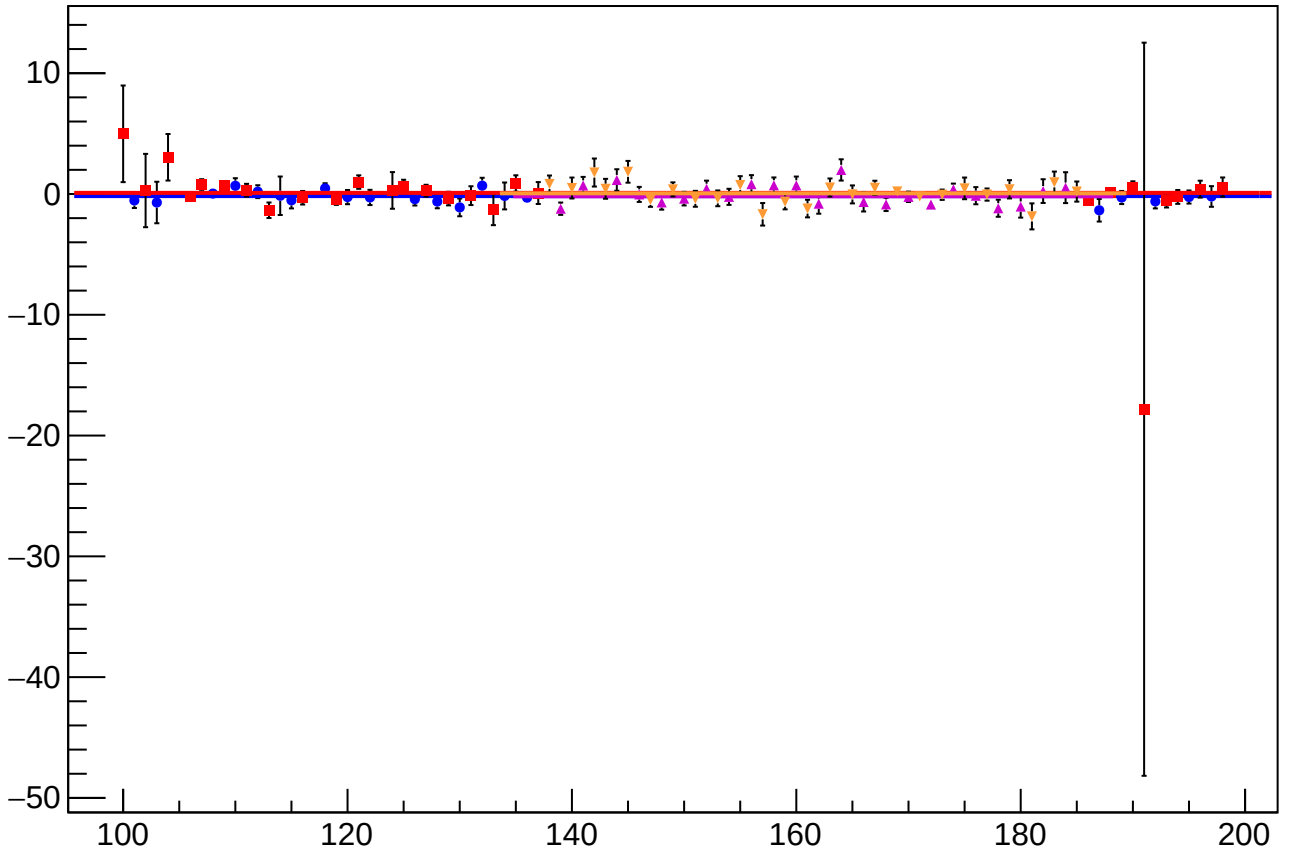
Left: 0.000+/-0.000 χ^2/NDF: 2907331.7/47

Right: 0.000+/-0.000 χ^2/NDF: 7314782.6/47

In: 0.000+/-0.000 χ^2/NDF:5102827.6/43

Out: 0.000+/-0.000 χ^2/NDF:6547127.4/51

All: 0.000+/-0.000 χ^2/NDF: 11650250.3/95



Right In: -0.175+/-0.129 χ^2/NDF: 12.1/20

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.093+/-0.102 χ^2/NDF: 31.4/26

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

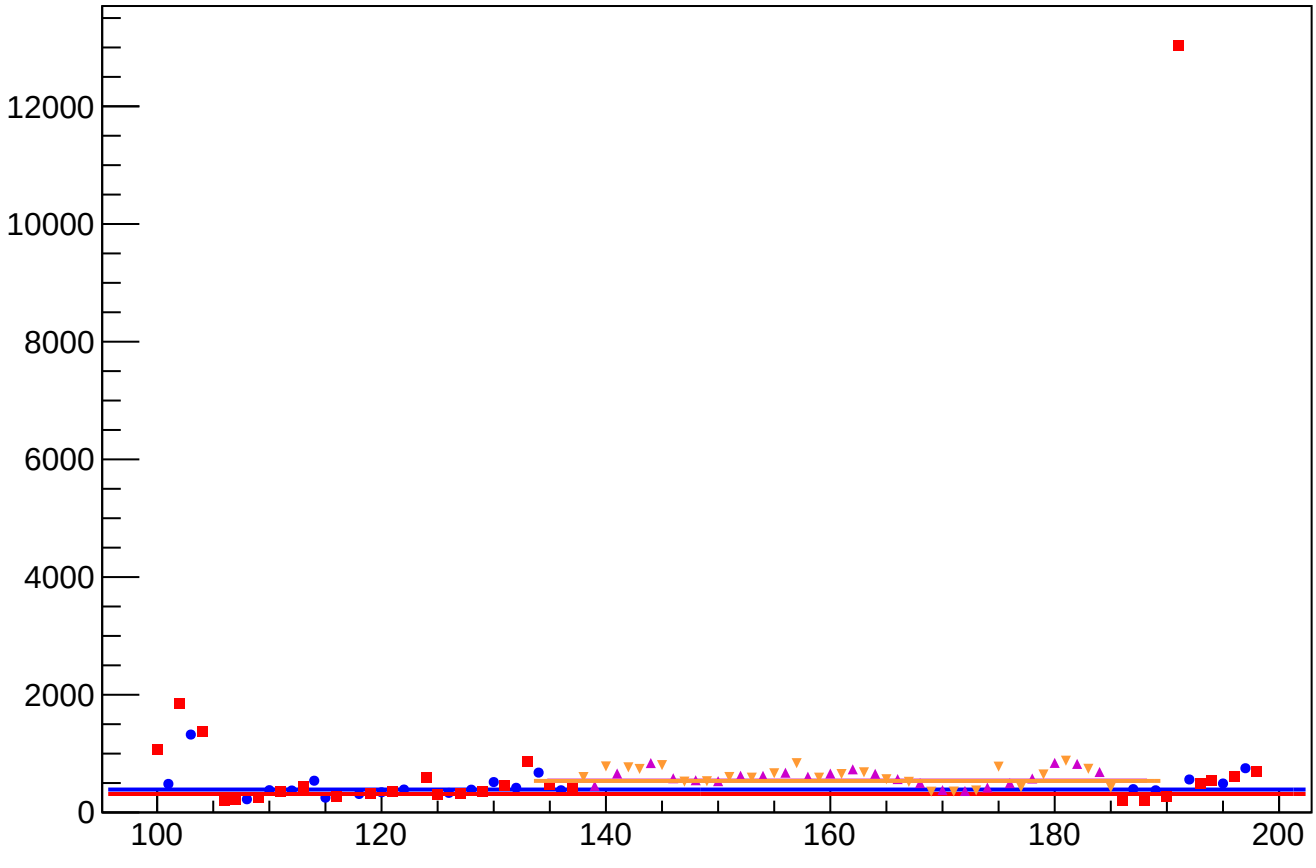
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.010+/-0.080 χ^2/NDF: 46.2/47

In: -0.183+/-0.093 χ^2/NDF:43.3/43

Out: 0.078+/-0.080 χ^2/NDF:56.1/51

All: -0.034+/-0.061 χ^2/NDF: 103.9/95



Right In: 389.480+/-0.091 χ^2/NDF: 2053351.2/20

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 313.752+/-0.072 χ^2/NDF: 4724753.0/26

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

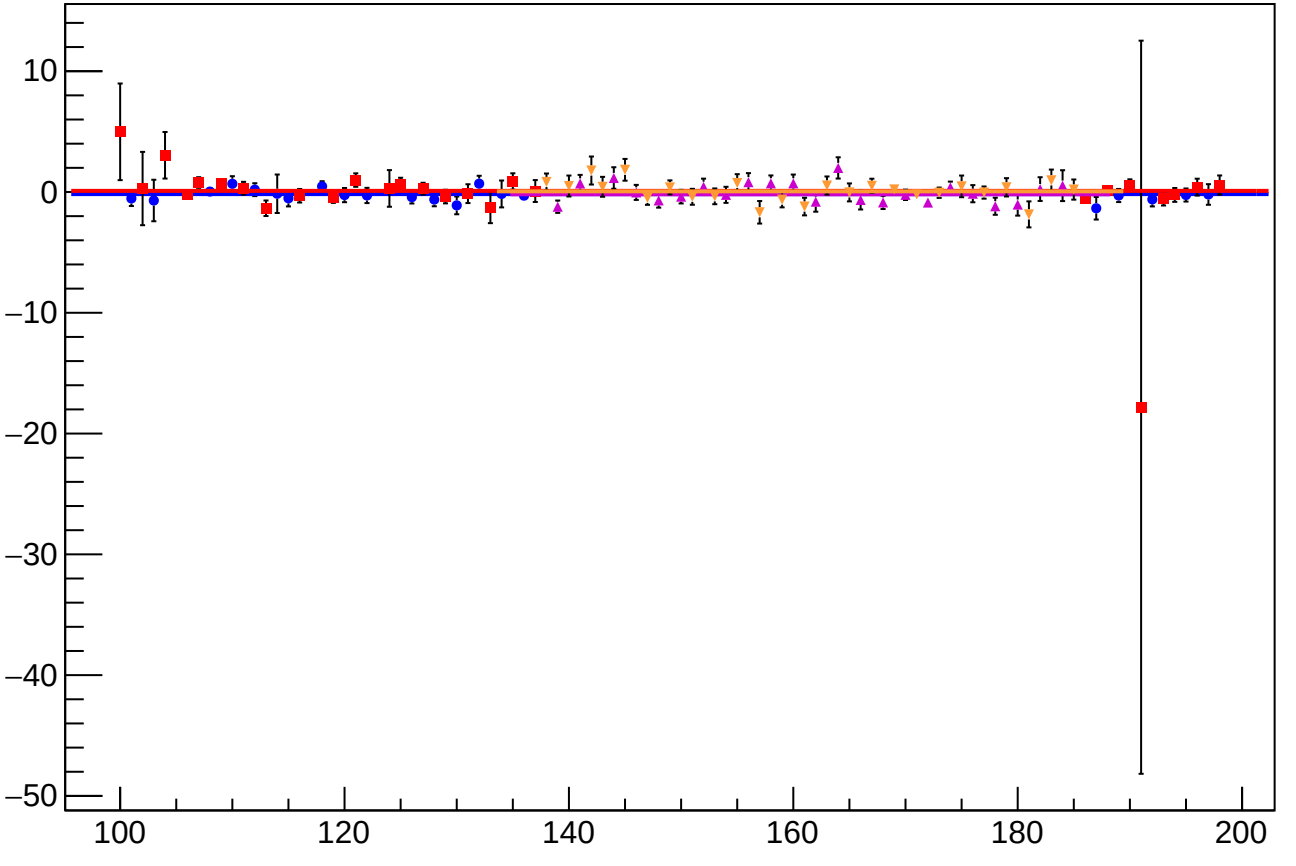
Right: 342.874+/-0.057 χ^2/NDF: 7201756.6/47

In: 462.803+/-0.066 χ^2/NDF:5290205.3/43

Out: 398.856+/-0.057 χ^2/NDF:11107034.2/51

All: 426.219+/-0.043 χ^2/NDF: 16942035.3/95

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.175+/-0.129 χ^2/NDF: 12.1/20

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.093+/-0.102 χ^2/NDF: 31.4/26

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

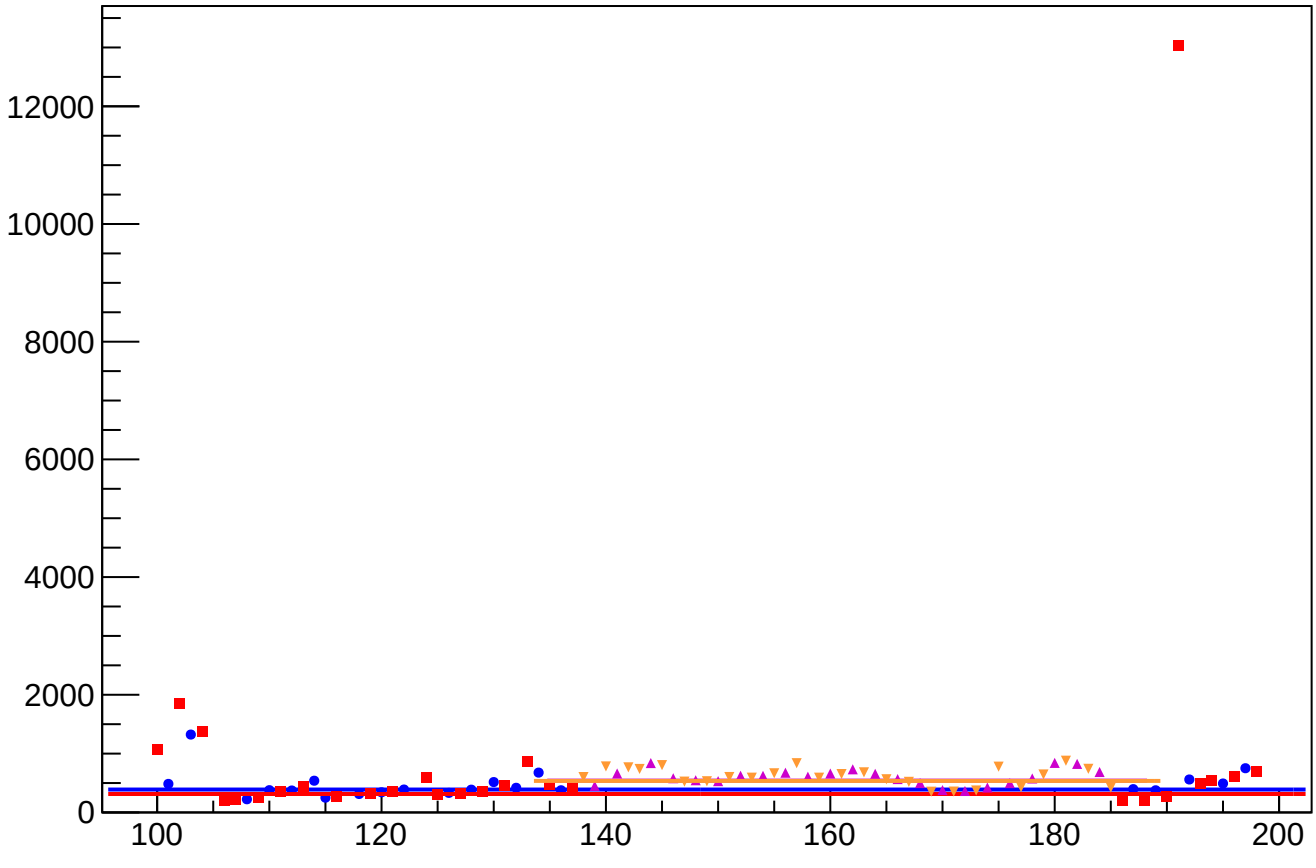
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.010+/-0.080 χ^2/NDF: 46.2/47

In: -0.183+/-0.093 χ^2/NDF:43.3/43

Out: 0.078+/-0.080 χ^2/NDF:56.1/51

All: -0.034+/-0.061 χ^2/NDF: 103.9/95



Right In: 389.480+/-0.091 χ^2/NDF: 2053351.2/20

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 313.752+/-0.072 χ^2/NDF: 4724753.0/26

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

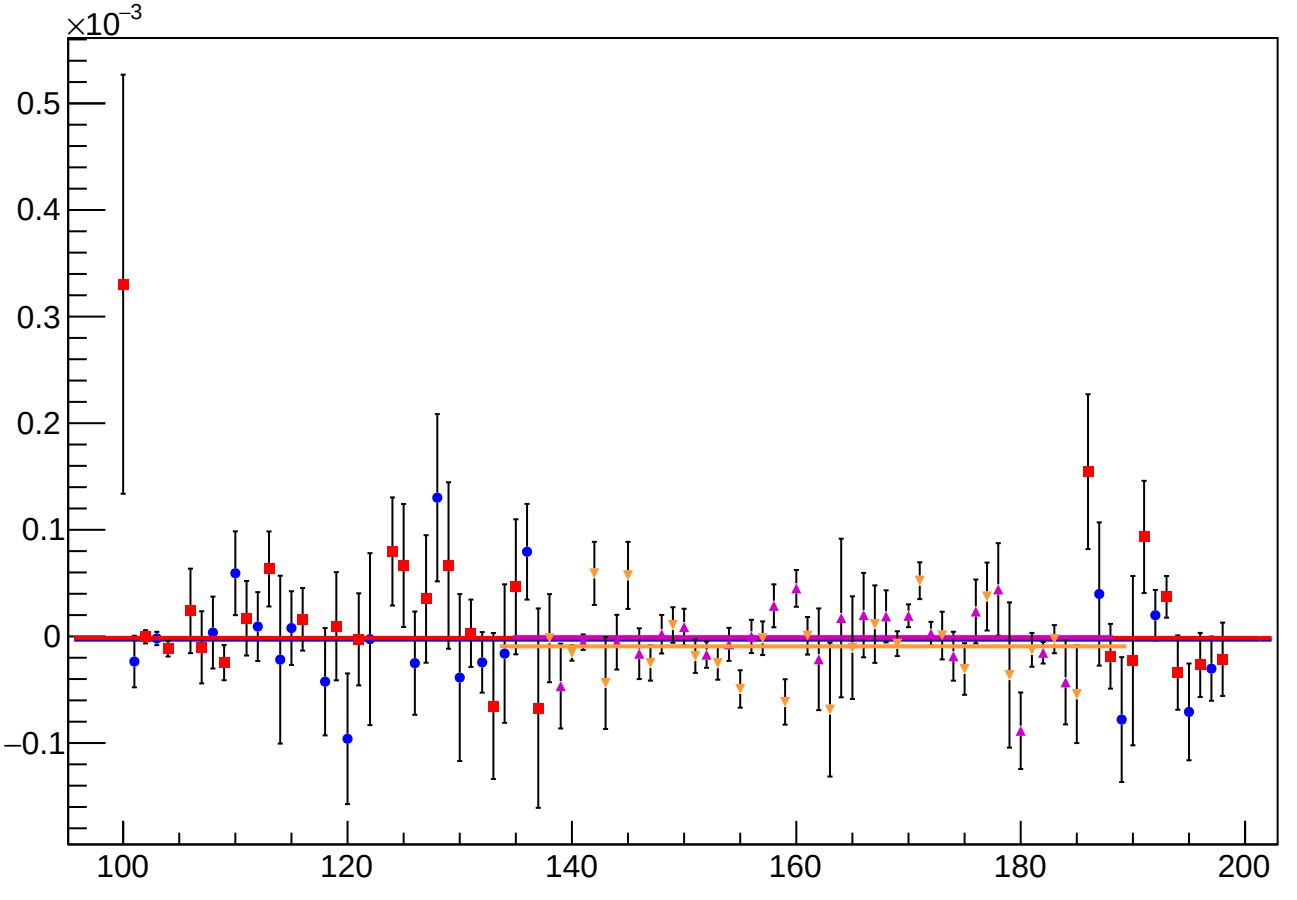
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 342.874+/-0.057 χ^2/NDF: 7201756.6/47

In: 462.803+/-0.066 χ^2/NDF:5290205.3/43

Out: 398.856+/-0.057 χ^2/NDF:11107034.2/51

All: 426.219+/-0.043 χ^2/NDF: 16942035.3/95



Right In: -0.000+/-0.000 χ^2/NDF: 19.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.4/26

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

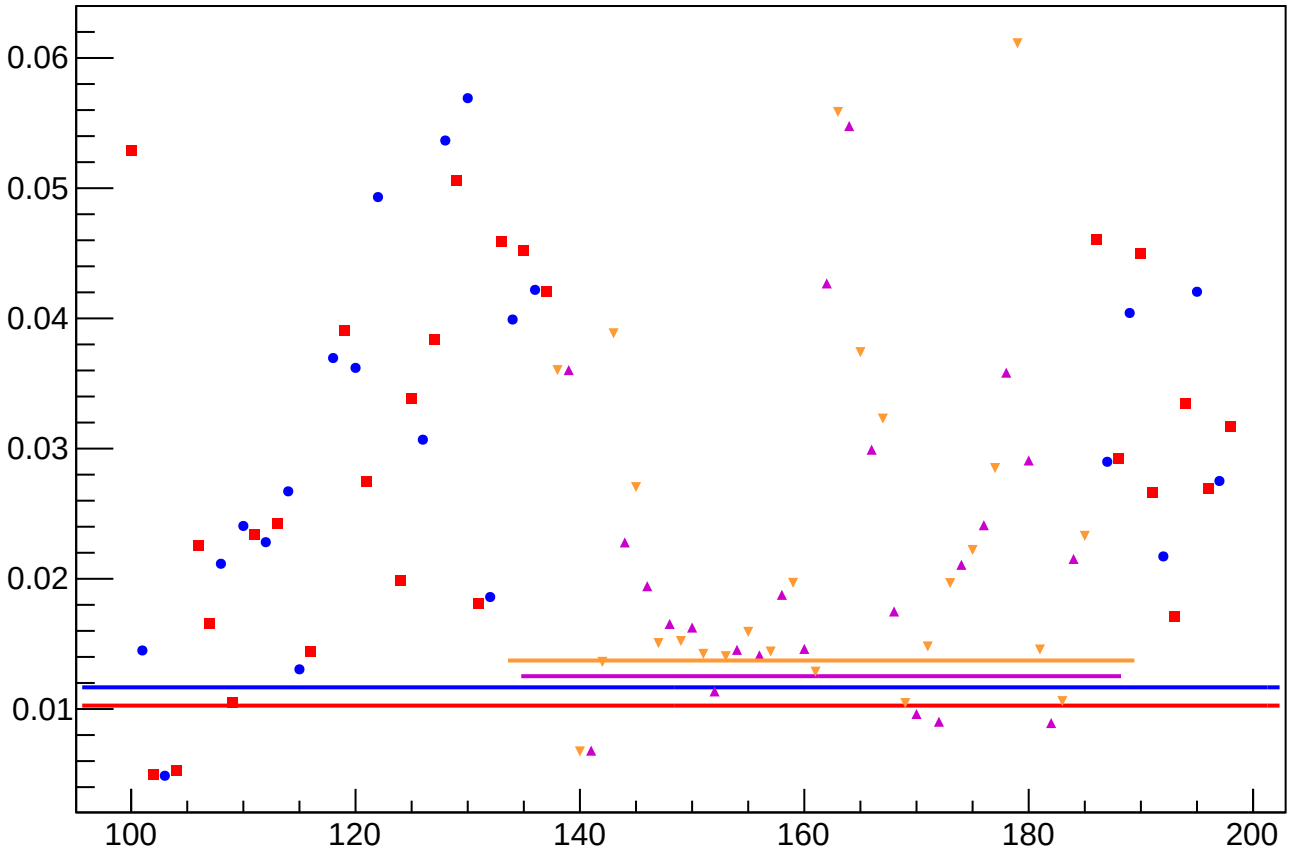
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 52.2/47

In: -0.000+/-0.000 χ^2/NDF:49.9/43

Out: -0.000+/-0.000 χ^2/NDF:79.7/51

All: -0.000+/-0.000 χ^2/NDF: 130.8/95



Right In: 0.012+/-0.000 χ^2/NDF: 9702868.2/20

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.010+/-0.000 χ^2/NDF: 11556108.4/26

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

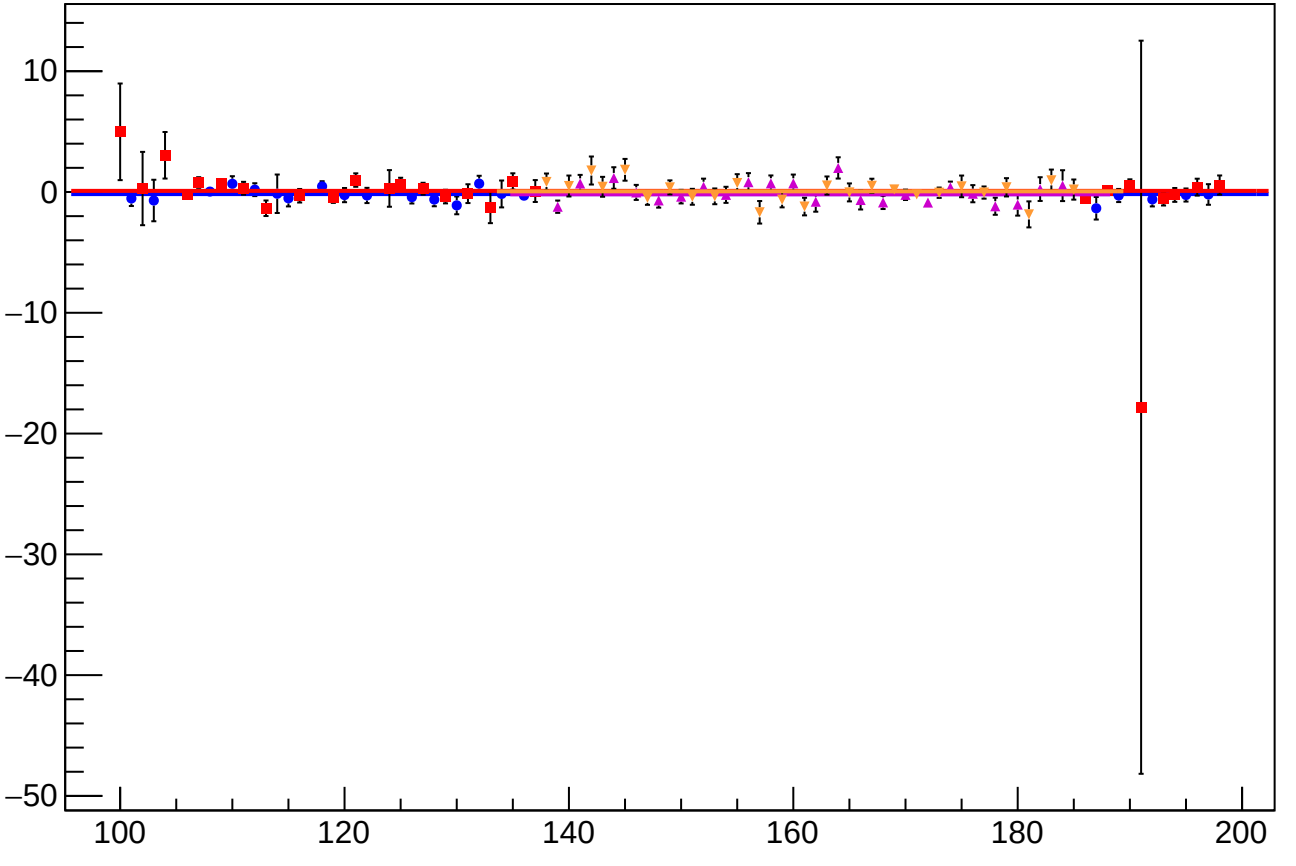
Right: 0.011+/-0.000 χ^2/NDF: 21352505.6/47

In: 0.012+/-0.000 χ^2/NDF:16862794.7/43

Out: 0.012+/-0.000 χ^2/NDF:20106657.4/51

All: 0.012+/-0.000 χ^2/NDF: 36970470.7/95

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.175+/-0.129 χ^2/NDF: 12.1/20

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.093+/-0.102 χ^2/NDF: 31.4/26

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

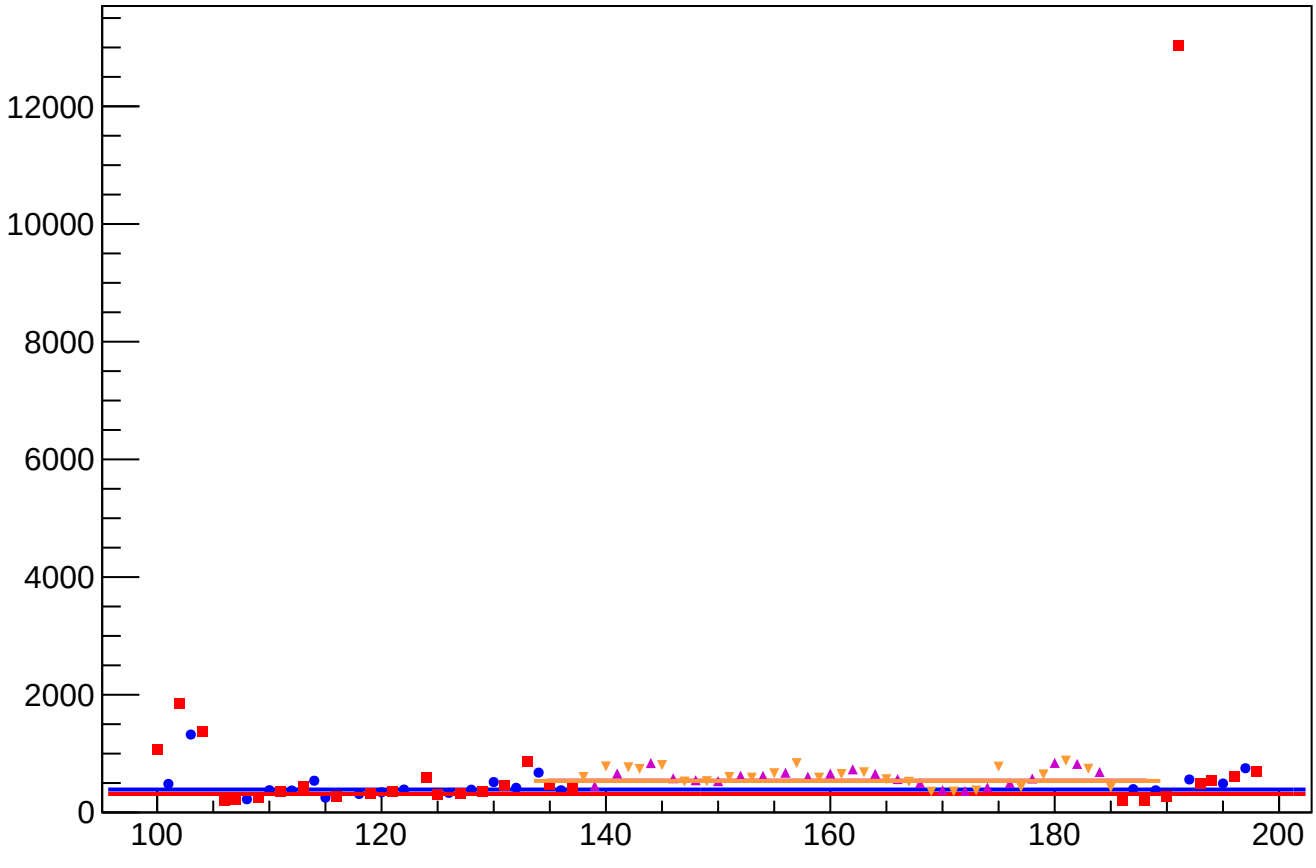
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.010+/-0.080 χ^2/NDF: 46.2/47

In: -0.183+/-0.093 χ^2/NDF:43.3/43

Out: 0.078+/-0.080 χ^2/NDF:56.1/51

All: -0.034+/-0.061 χ^2/NDF: 103.9/95



Right In: 389.476+/-0.091 χ^2/NDF: 2053355.9/20

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 313.752+/-0.072 χ^2/NDF: 4724704.2/26

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

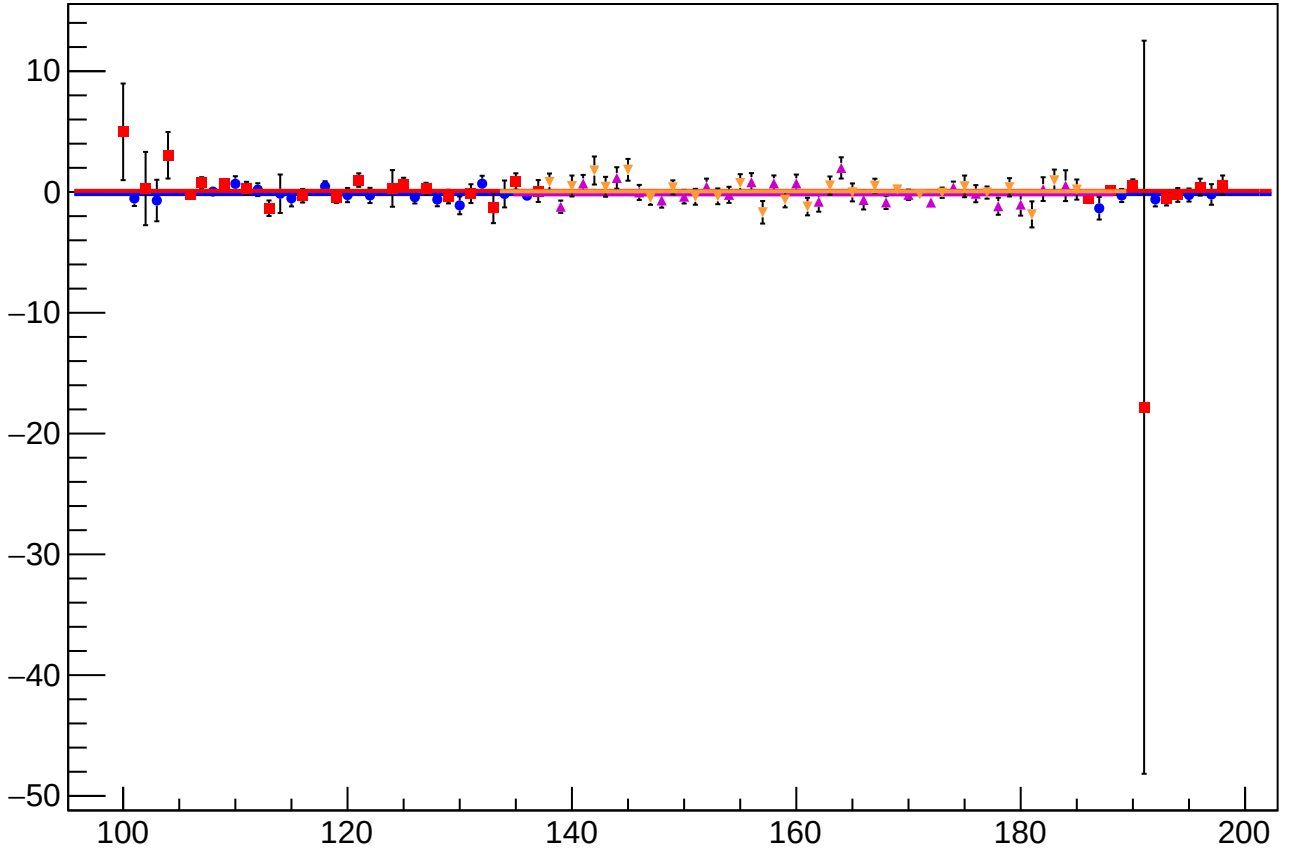
Right: 342.872+/-0.057 χ^2/NDF: 7201673.2/47

In: 462.802+/-0.066 χ^2/NDF:5290406.3/43

Out: 398.857+/-0.057 χ^2/NDF:11107177.1/51

All: 426.219+/-0.043 χ^2/NDF: 16942348.9/95

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.175+/-0.129 χ^2/NDF: 12.1/20

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.093+/-0.102 χ^2/NDF: 31.4/26

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

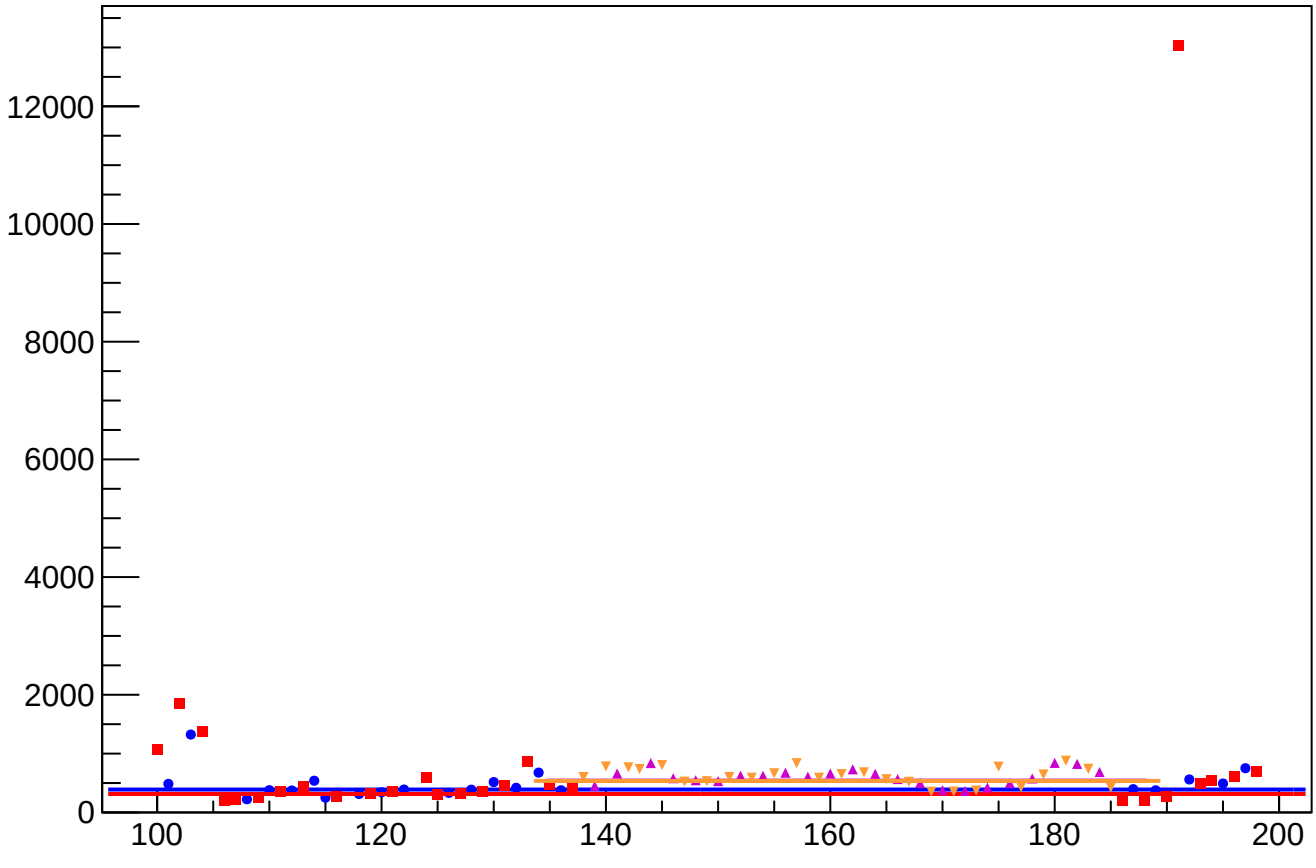
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.010+/-0.080 χ^2/NDF: 46.2/47

In: -0.183+/-0.093 χ^2/NDF:43.3/43

Out: 0.078+/-0.080 χ^2/NDF:56.1/51

All: -0.034+/-0.061 χ^2/NDF: 103.9/95



Right In: 389.476+/-0.091 χ^2/NDF: 2053355.9/20

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 313.752+/-0.072 χ^2/NDF: 4724704.2/26

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

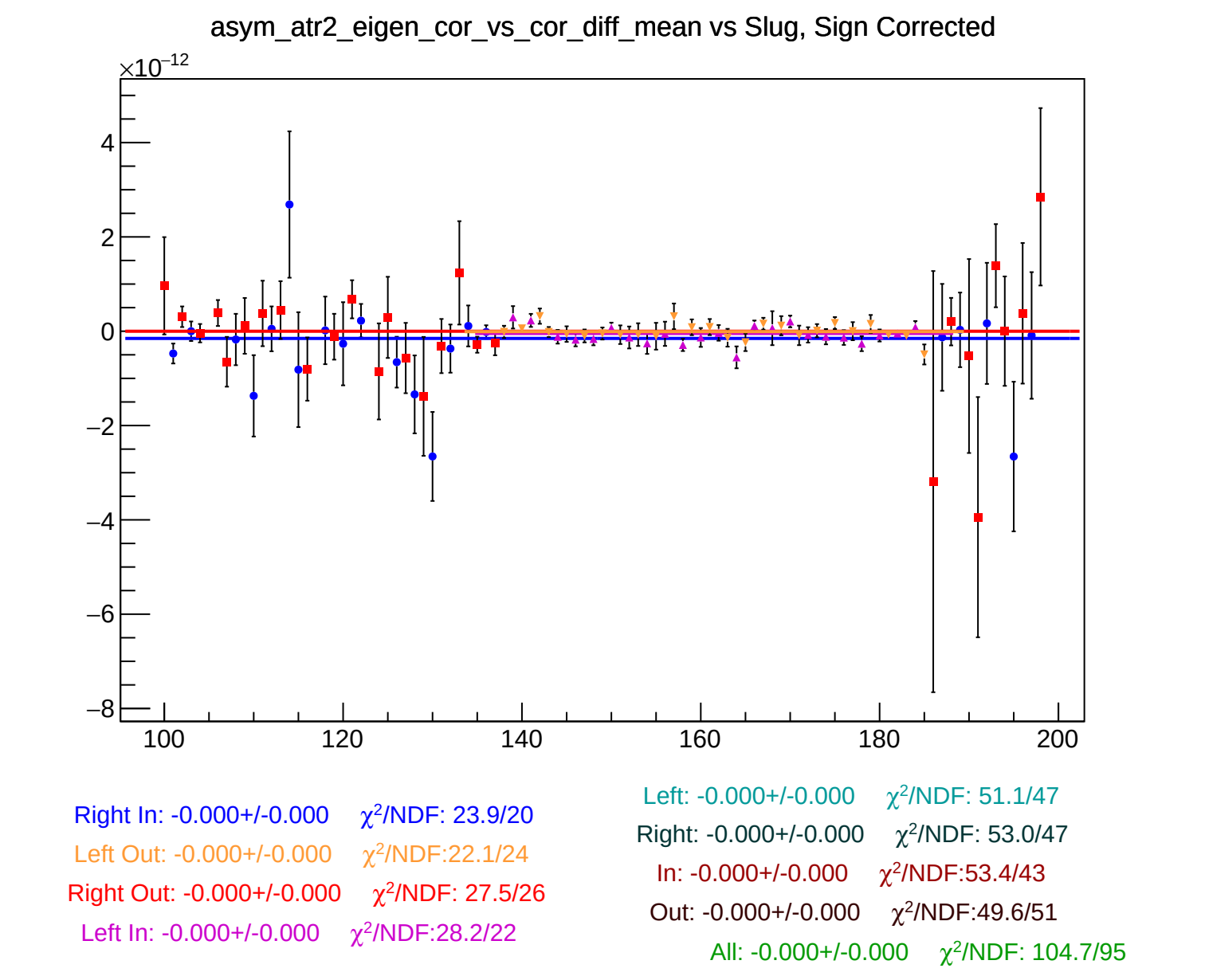
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

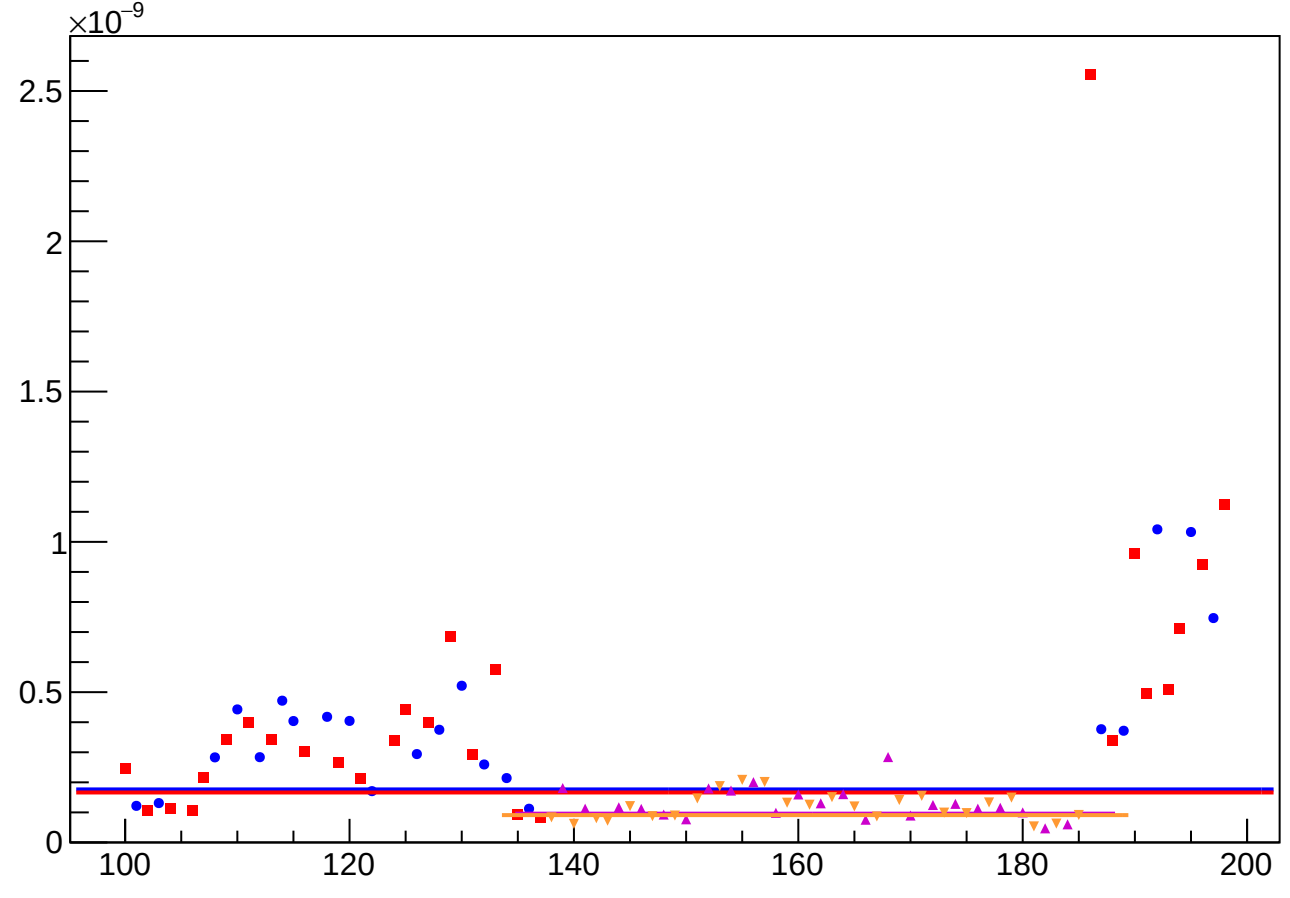
Right: 342.872+/-0.057 χ^2/NDF: 7201673.2/47

In: 462.802+/-0.066 χ^2/NDF:5290406.3/43

Out: 398.857+/-0.057 χ^2/NDF:11107177.1/51

All: 426.219+/-0.043 χ^2/NDF: 16942348.9/95


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 23.9/20
Left Out: -0.000+/-0.000 χ²/NDF:22.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.5/26
Left In: -0.000+/-0.000 χ²/NDF:28.2/22
Left: -0.000+/-0.000 χ²/NDF: 51.1/47
Right: -0.000+/-0.000 χ²/NDF: 53.0/47
In: -0.000+/-0.000 χ²/NDF:53.4/43
Out: -0.000+/-0.000 χ²/NDF:49.6/51
All: -0.000+/-0.000 χ²/NDF: 104.7/95



Right In: 0.000+/-0.000 χ^2/NDF: 4087721.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5851886.3/26

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

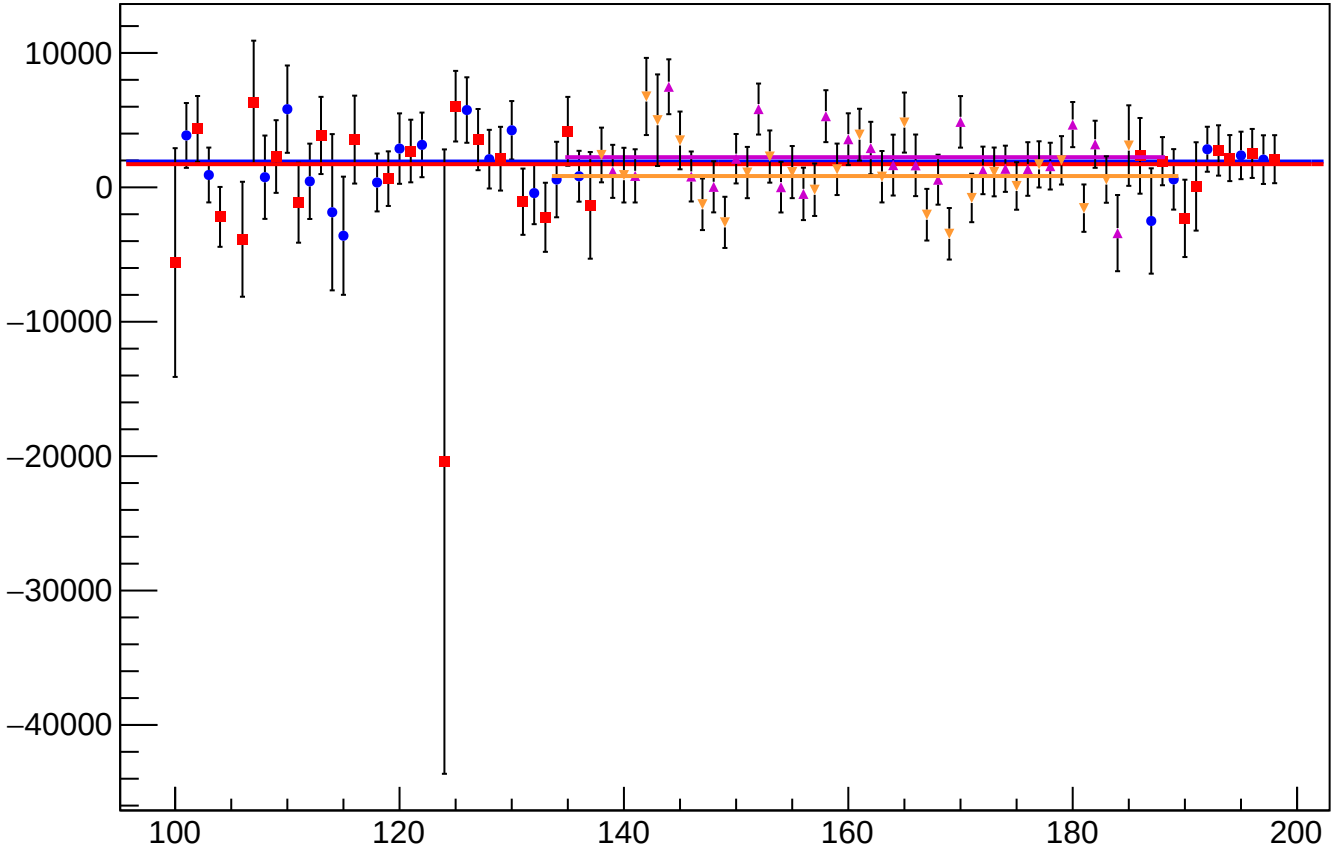
Right: 0.000+/-0.000 χ^2/NDF: 9954342.9/47

In: 0.000+/-0.000 χ^2/NDF:9571480.5/43

Out: 0.000+/-0.000 χ^2/NDF:10750665.7/51

All: 0.000+/-0.000 χ^2/NDF: 20362192.0/95

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1921.235+/-514.257 χ^2/NDF: 12.9/20

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: 1725.197+/-481.386 χ^2/NDF: 22.3/26

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

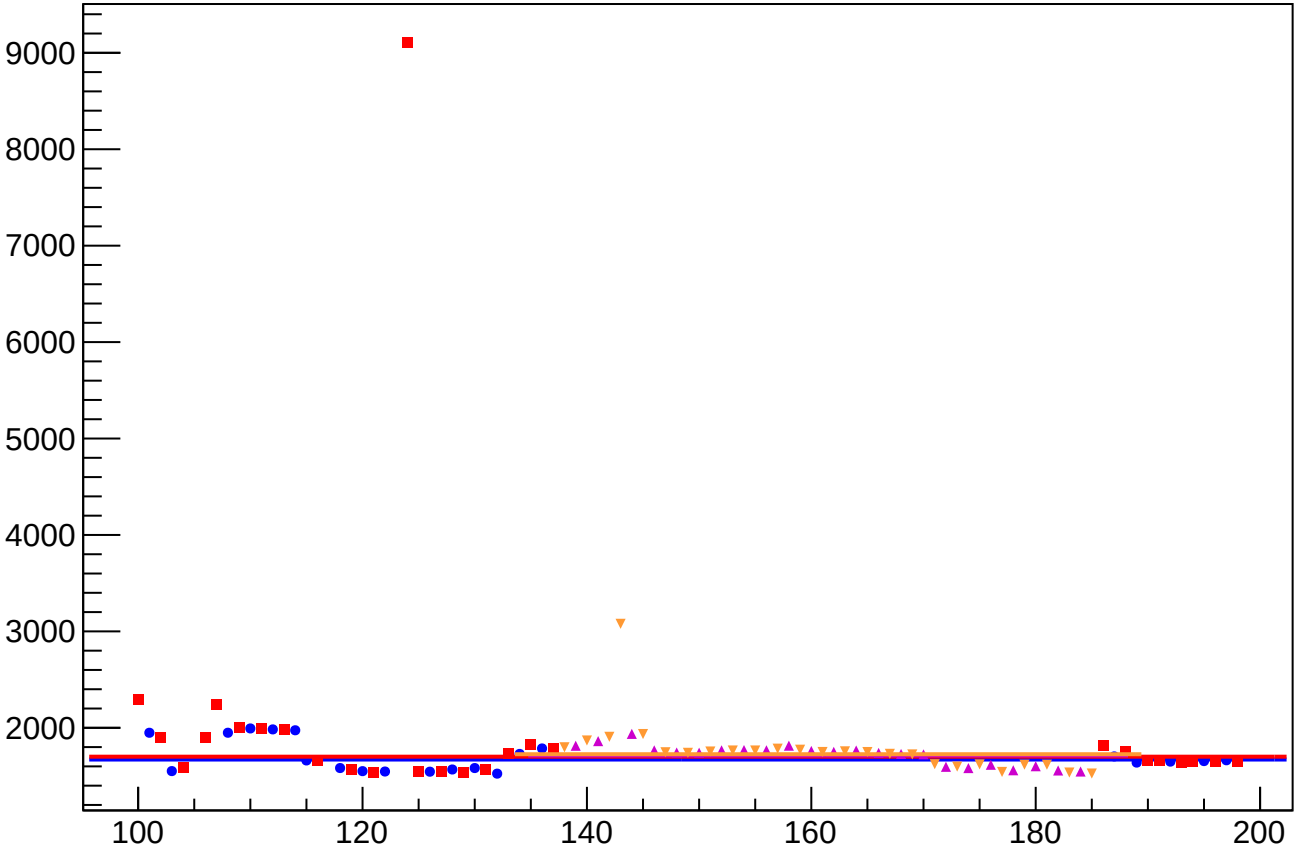
Right: 1816.751+/-351.438 χ^2/NDF: 35.3/47

In: 2122.696+/-316.104 χ^2/NDF:42.5/43

Out: 1196.525+/-305.102 χ^2/NDF:54.7/51

All: 1643.212+/-219.526 χ^2/NDF: 101.7/95

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1670.969+/-0.364 χ^2/NDF: 142831.3/20

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1700.520+/-0.339 χ^2/NDF: 397287.8/26

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

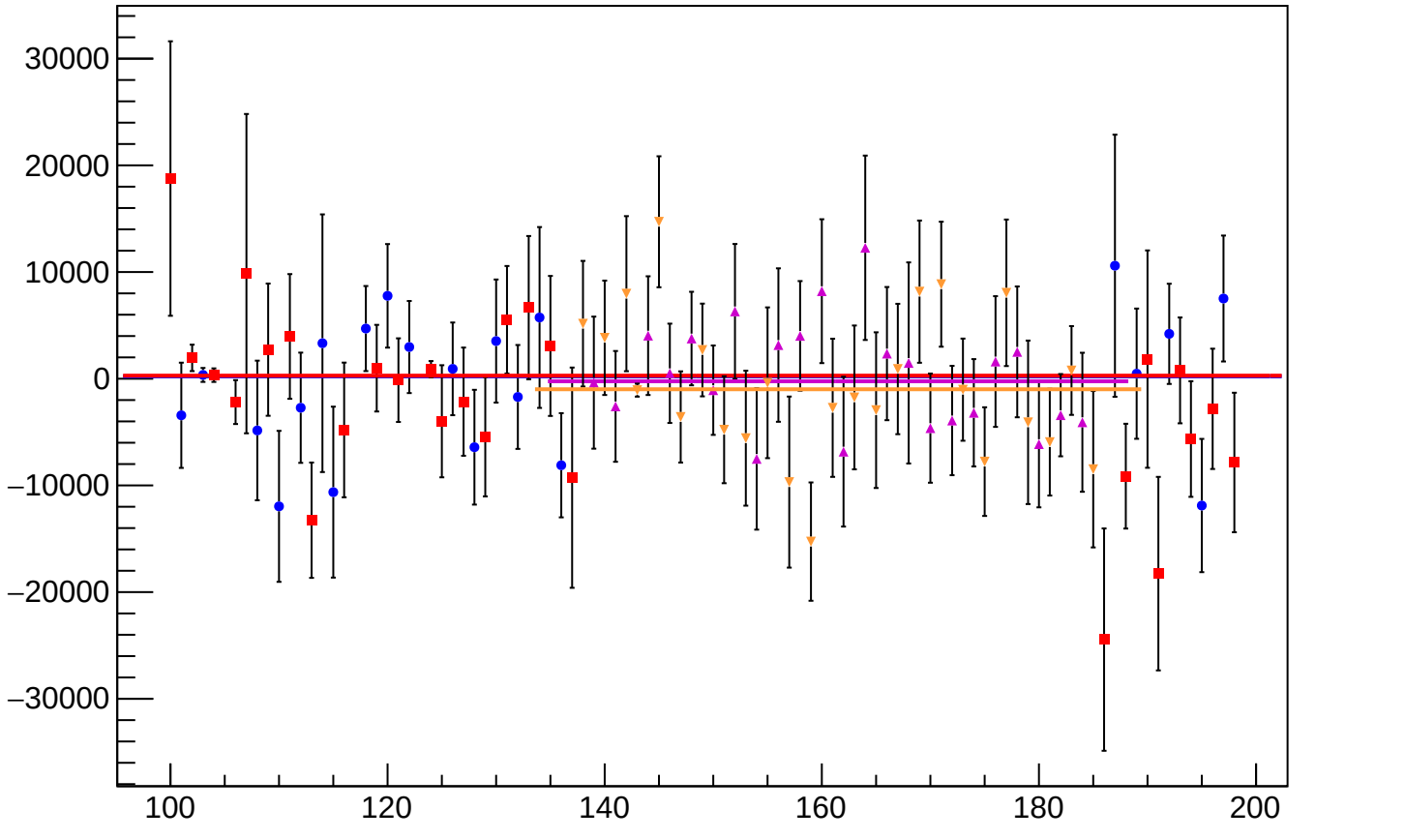
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1686.758+/-0.248 χ^2/NDF: 543647.6/47

In: 1697.216+/-0.224 χ^2/NDF:280495.9/43

Out: 1715.767+/-0.216 χ^2/NDF:855597.2/51

All: 1706.830+/-0.155 χ^2/NDF: 1139662.7/95



Right In: 222.522+/-578.285 χ^2/NDF: 22.6/20

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: 286.548+/-417.245 χ^2/NDF: 35.4/26

Left In: -239.582+/-1165.046 χ^2/NDF:13.5/22

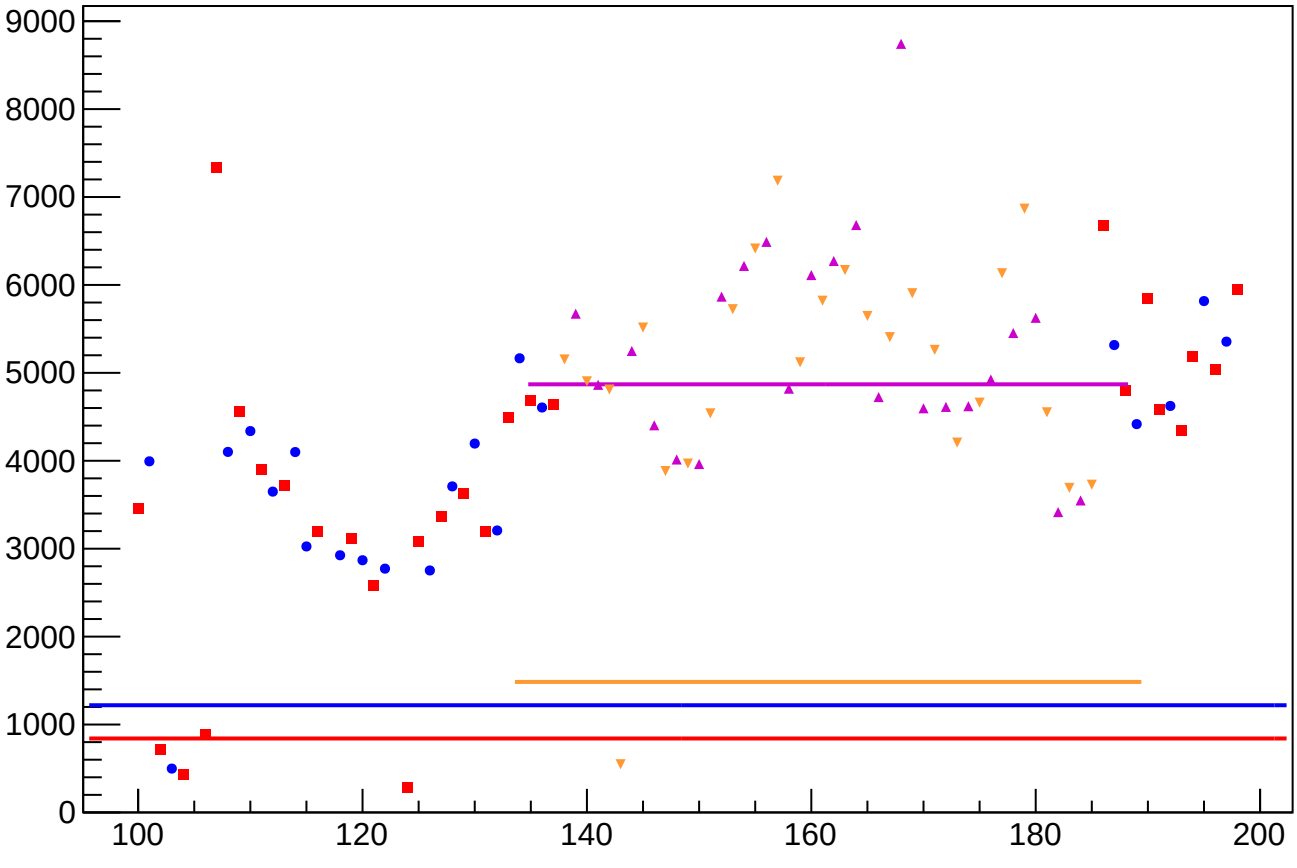
Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

Right: 264.628+/-338.364 χ^2/NDF: 58.0/47

In: 131.176+/-517.985 χ^2/NDF:36.2/43

Out: -188.404+/-330.453 χ^2/NDF:69.7/51

All: -95.961+/-278.589 χ^2/NDF: 106.2/95



Right In: 1219.489+/-0.409 χ^2/NDF: 12177594.4/20

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 841.350+/-0.295 χ^2/NDF: 16257432.9/26

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

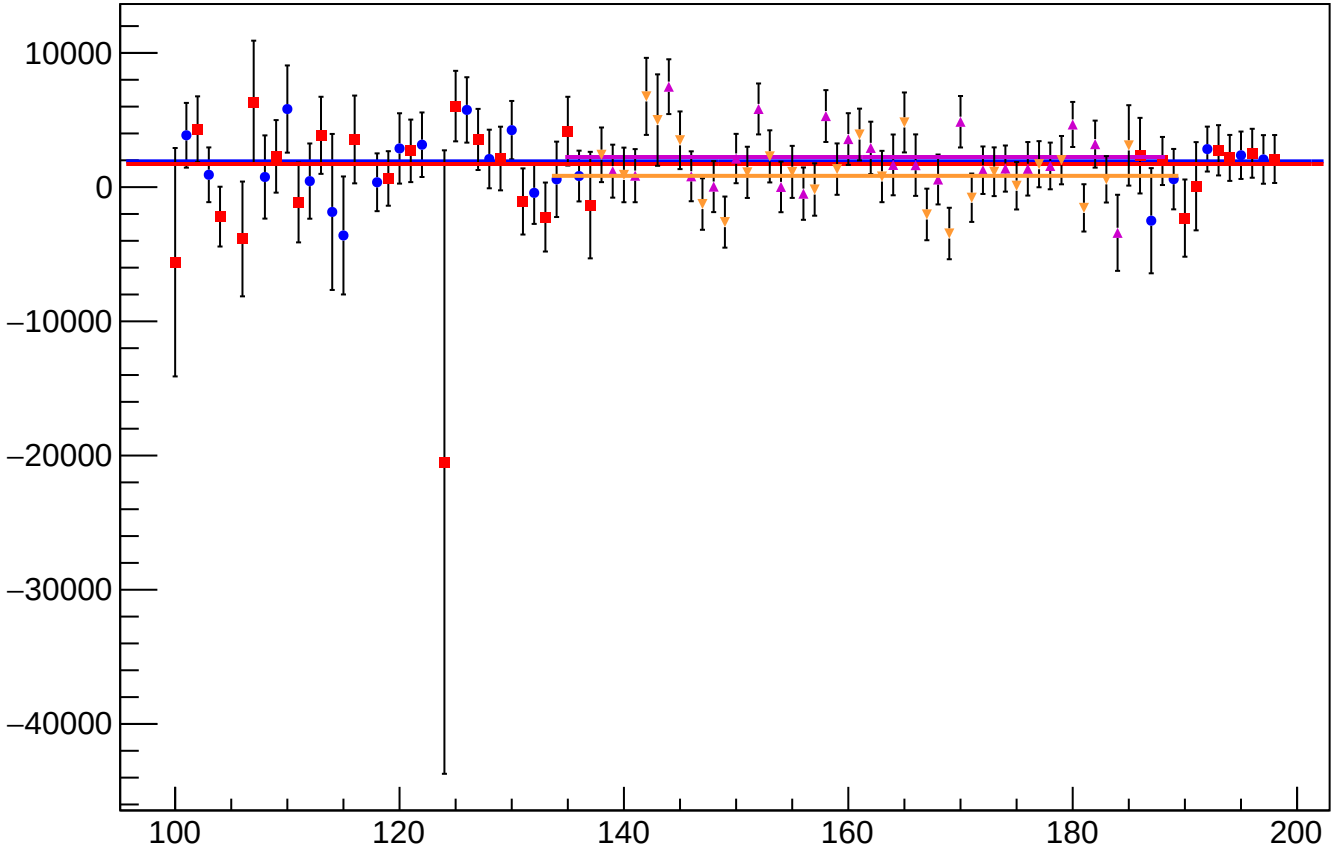
Right: 970.810+/-0.239 χ^2/NDF: 28997413.6/47

In: 1941.040+/-0.366 χ^2/NDF:29403700.6/43

Out: 1081.111+/-0.234 χ^2/NDF:41254040.8/51

All: 1329.857+/-0.197 χ^2/NDF: 74575422.6/9

cor_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1921.318+/-514.257 χ^2/NDF: 12.9/20

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1723.823+/-481.388 χ^2/NDF: 22.3/26

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

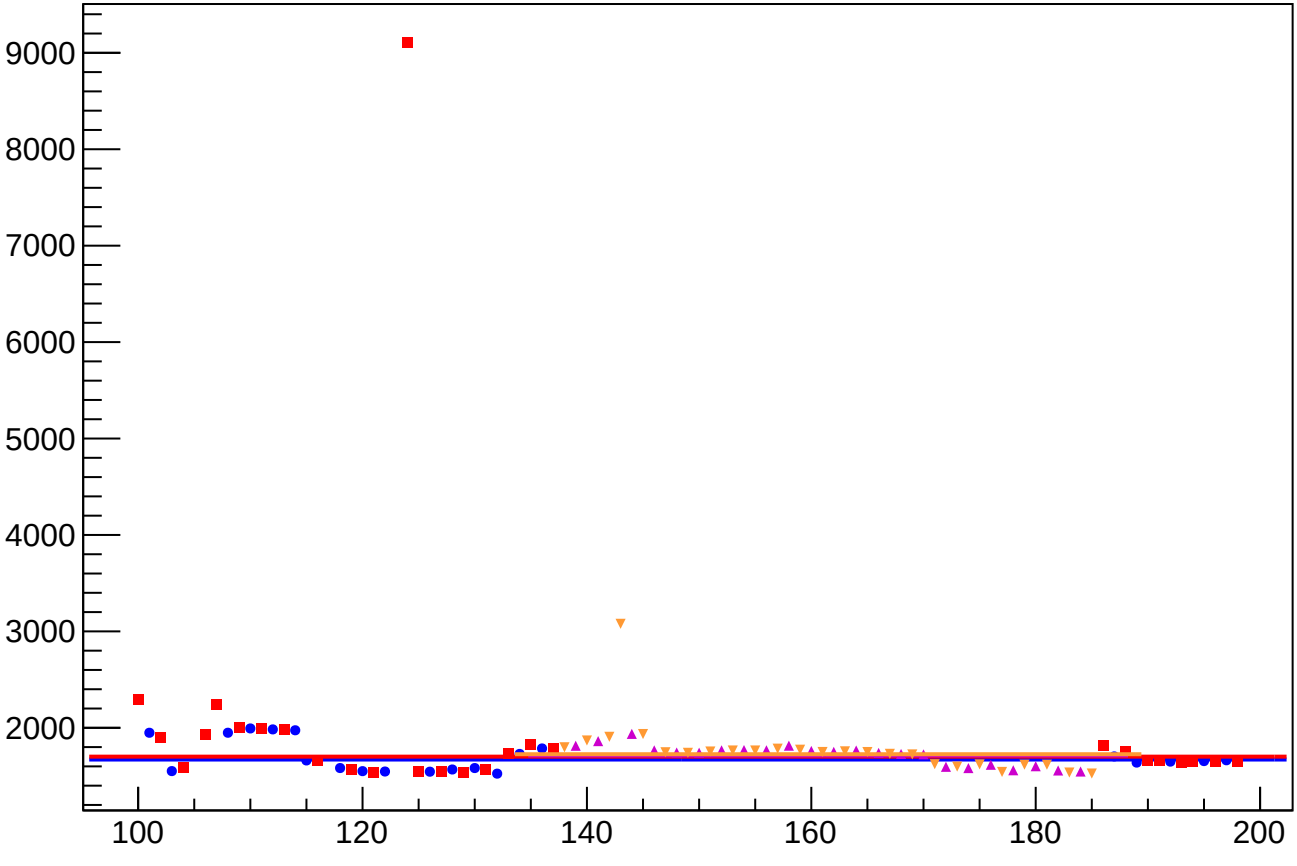
Right: 1816.058+/-351.439 χ^2/NDF: 35.3/47

In: 2122.740+/-316.104 χ^2/NDF:42.5/43

Out: 1195.967+/-305.102 χ^2/NDF:54.7/51

All: 1642.945+/-219.526 χ^2/NDF: 101.7/95

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1670.969+/-0.364 χ^2/NDF: 142831.4/20

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1700.980+/-0.340 χ^2/NDF: 399176.0/26

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

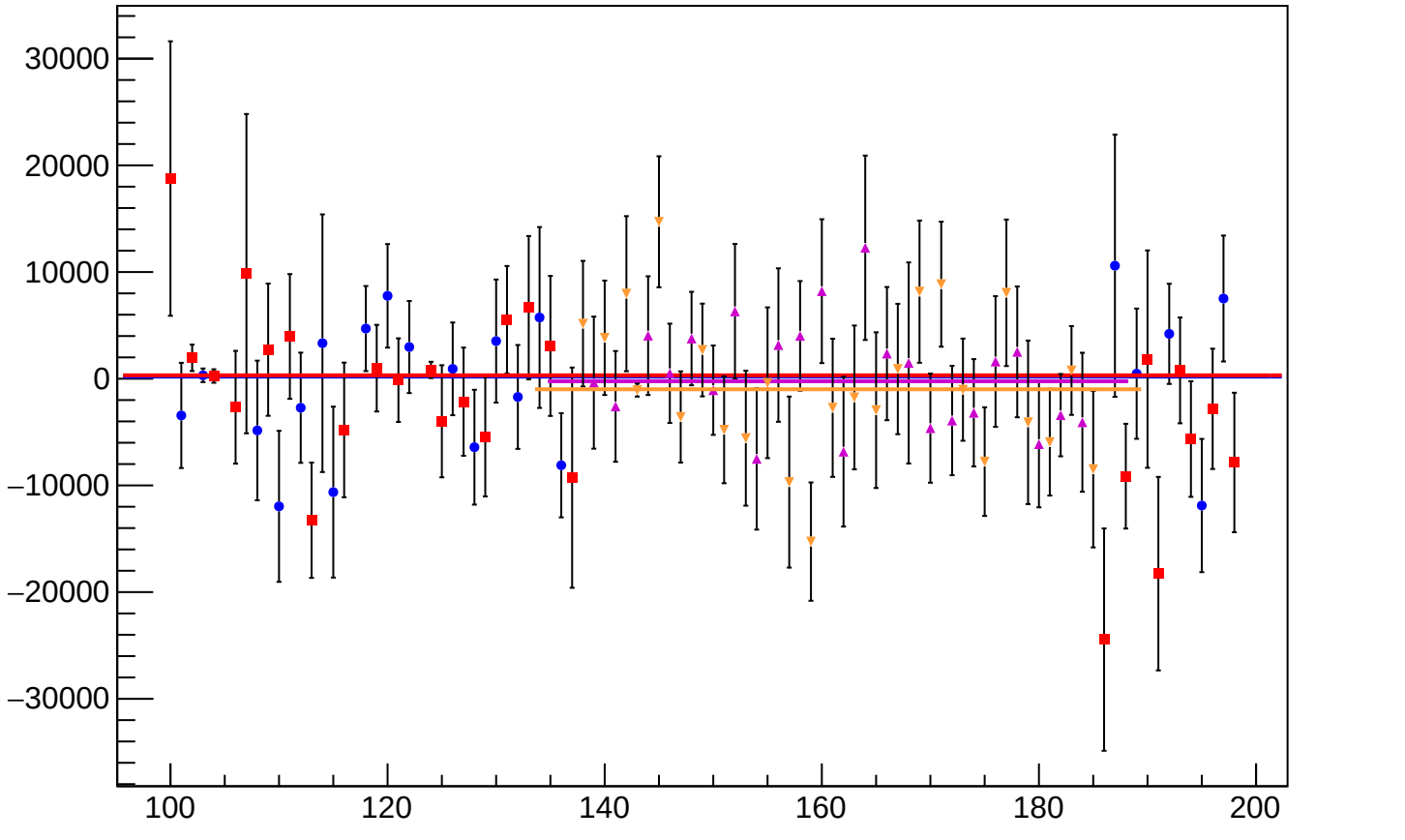
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1687.000+/-0.248 χ^2/NDF: 545645.8/47

In: 1697.216+/-0.224 χ^2/NDF:280496.0/43

Out: 1715.956+/-0.216 χ^2/NDF:857363.6/51

All: 1706.927+/-0.155 χ^2/NDF: 1141501.8/95



Right In: 199.594+/-566.828 χ^2/NDF: 22.5/20

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 319.202+/-422.774 χ^2/NDF: 34.2/26

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

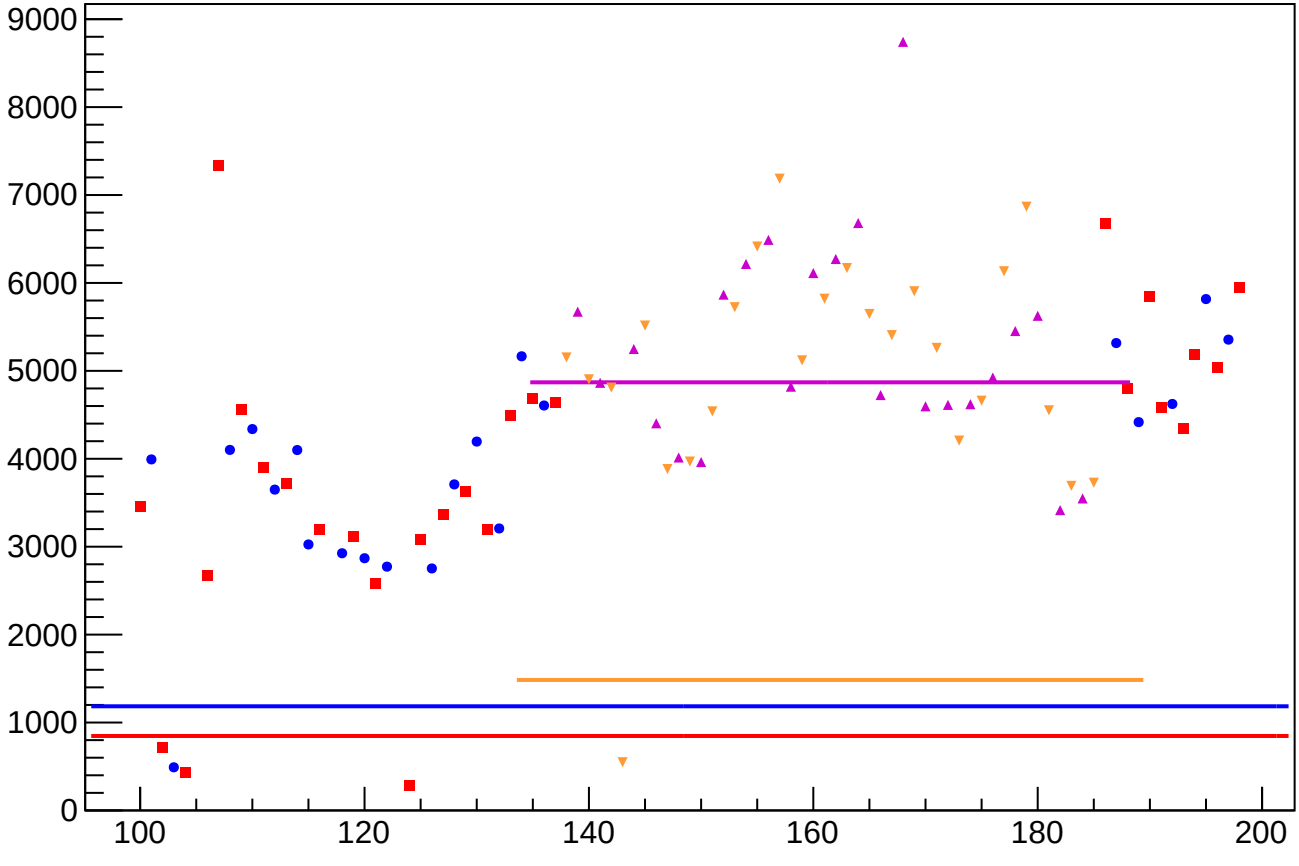
Right: 276.448+/-338.891 χ^2/NDF: 56.8/47

In: 115.555+/-509.703 χ^2/NDF:36.2/43

Out: -175.889+/-333.175 χ^2/NDF:68.6/51

All: -88.641+/-278.881 χ^2/NDF: 105.1/95

asym_atl_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1184.788+/-0.401 χ^2/NDF: 12354834.3/20

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 847.122+/-0.299 χ^2/NDF: 16523123.0/26

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

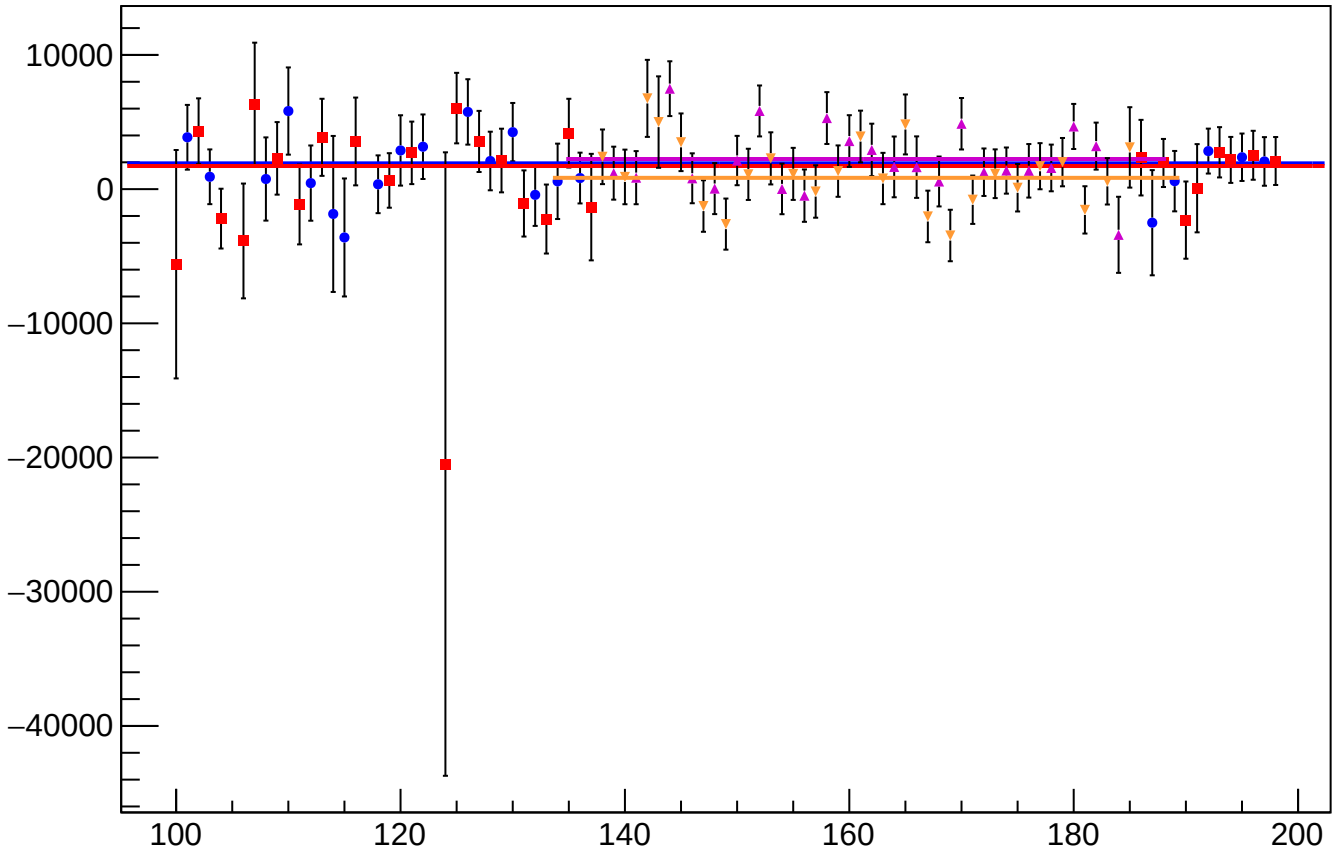
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 967.822+/-0.240 χ^2/NDF: 29334001.8/47

In: 1890.091+/-0.360 χ^2/NDF:30007307.1/43

Out: 1088.649+/-0.236 χ^2/NDF:41471213.5/51

All: 1328.573+/-0.197 χ^2/NDF: 74942951.9/9



Right In: 1921.318+/-514.257 χ^2/NDF: 12.9/20

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1723.823+/-481.388 χ^2/NDF: 22.3/26

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

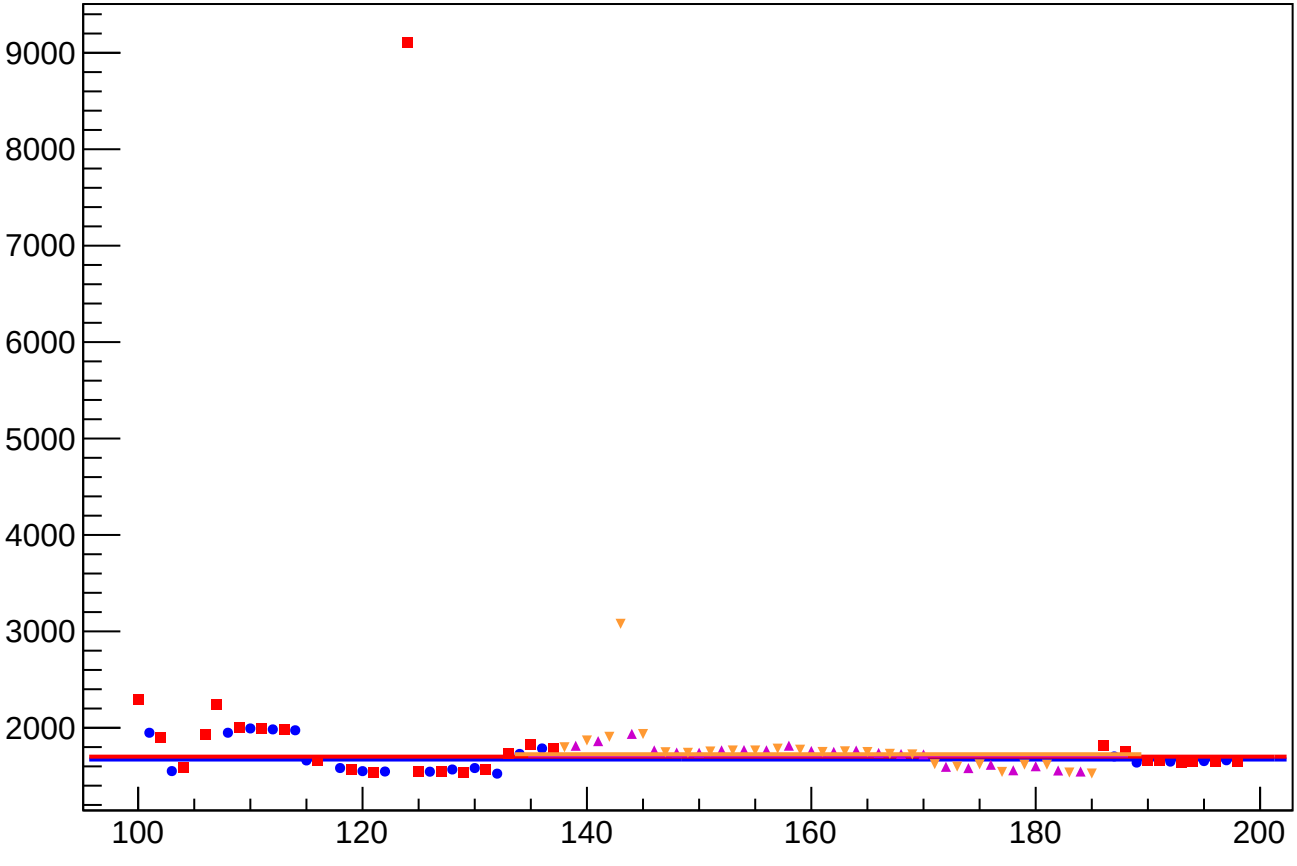
Right: 1816.058+/-351.439 χ^2/NDF: 35.3/47

In: 2122.740+/-316.104 χ^2/NDF:42.5/43

Out: 1195.967+/-305.102 χ^2/NDF:54.7/51

All: 1642.945+/-219.526 χ^2/NDF: 101.7/95

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1670.969+/-0.364 χ^2/NDF: 142831.4/20

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1700.980+/-0.340 χ^2/NDF: 399176.0/26

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

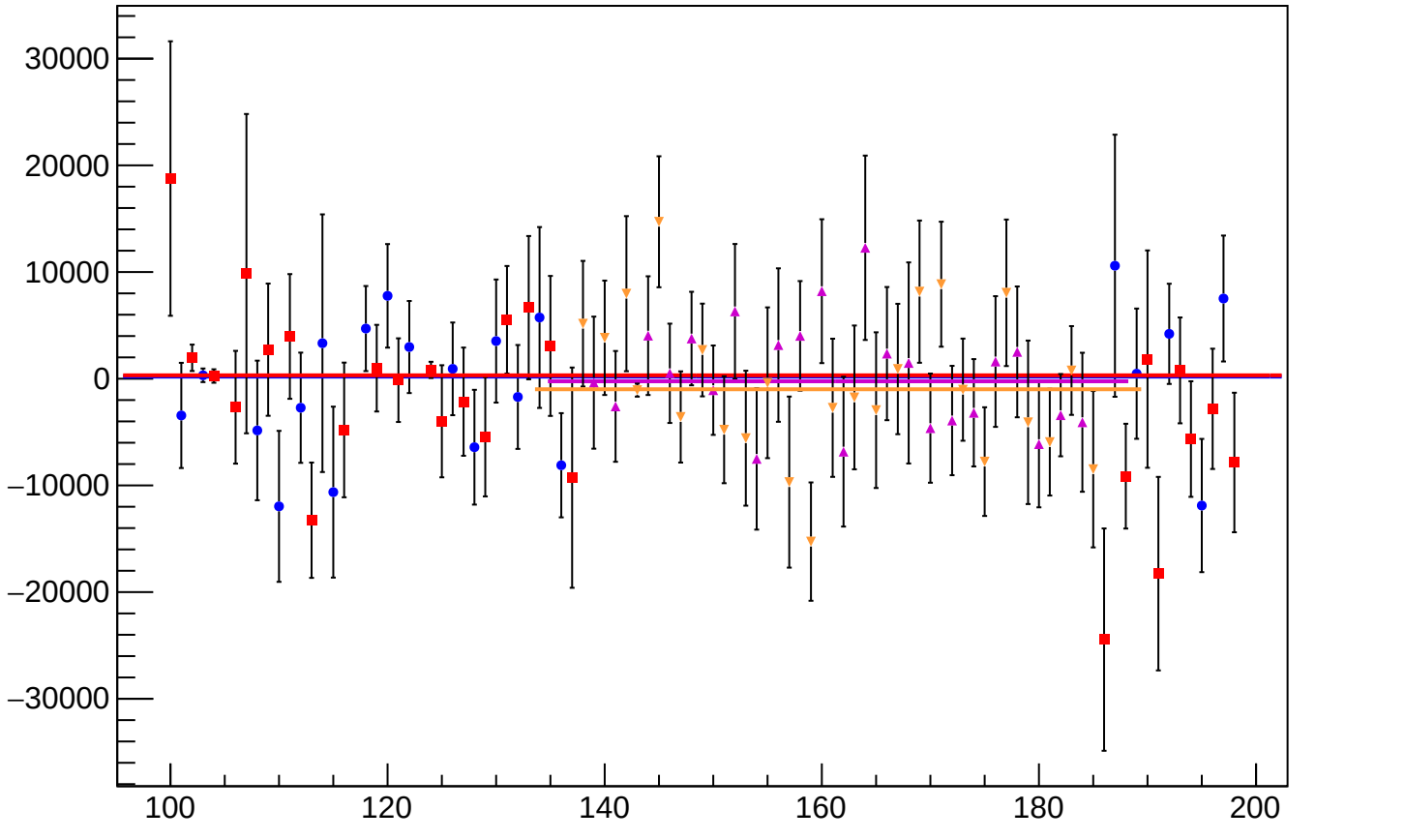
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1687.000+/-0.248 χ^2/NDF: 545645.8/47

In: 1697.216+/-0.224 χ^2/NDF:280496.0/43

Out: 1715.956+/-0.216 χ^2/NDF:857363.6/51

All: 1706.927+/-0.155 χ^2/NDF: 1141501.8/95



Right In: 199.594+/-566.828 χ^2/NDF: 22.5/20

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 319.202+/-422.774 χ^2/NDF: 34.2/26

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

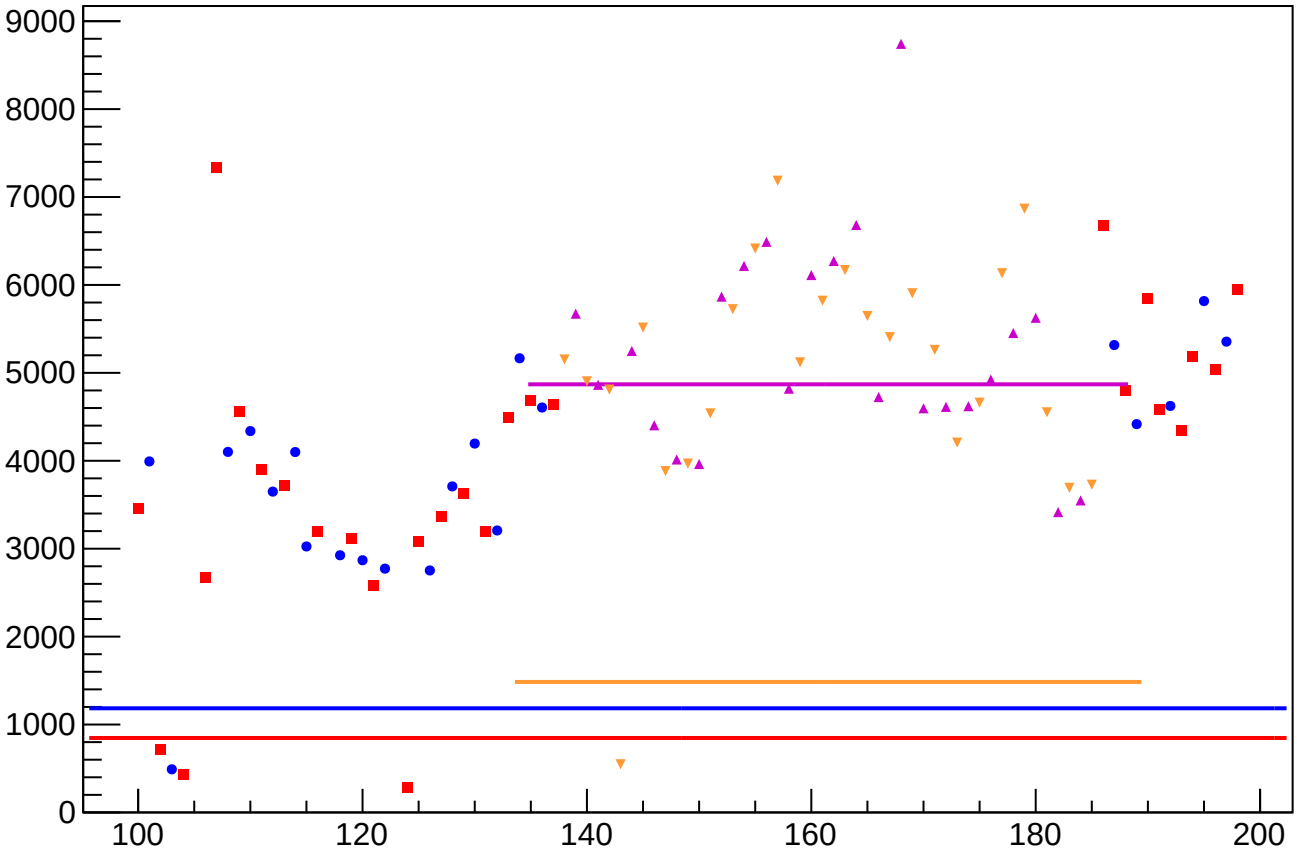
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 276.448+/-338.891 χ^2/NDF: 56.8/47

In: 115.555+/-509.703 χ^2/NDF:36.2/43

Out: -175.889+/-333.175 χ^2/NDF:68.6/51

All: -88.641+/-278.881 χ^2/NDF: 105.1/95



Right In: 1184.788+/-0.401 χ^2/NDF: 12354834.3/20

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 847.122+/-0.299 χ^2/NDF: 16523123.0/26

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

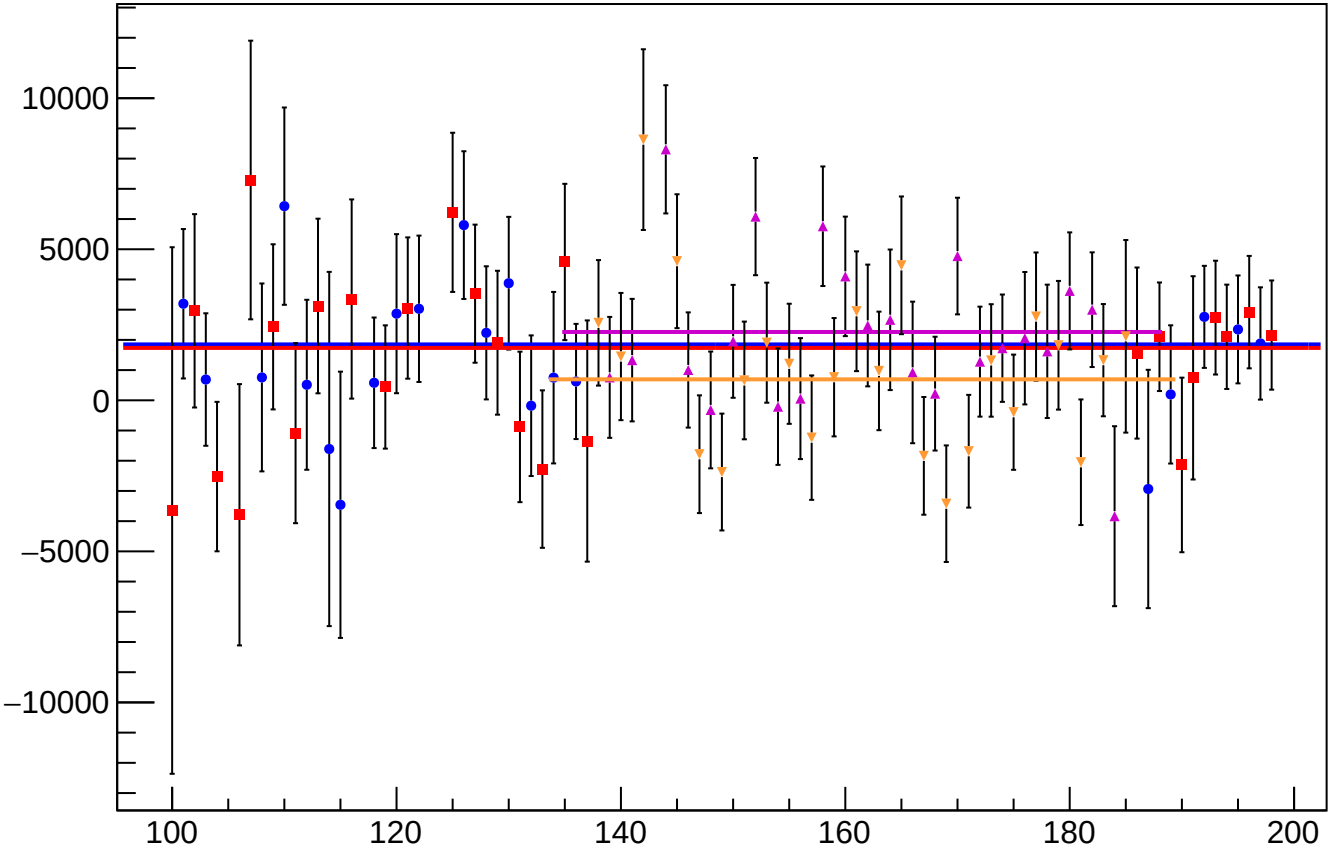
Right: 967.822+/-0.240 χ^2/NDF: 29334001.8/47

In: 1890.091+/-0.360 χ^2/NDF:30007307.1/43

Out: 1088.649+/-0.236 χ^2/NDF:41471213.5/51

All: 1328.573+/-0.197 χ^2/NDF: 74942951.9/9

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1849.892+/-521.429 χ^2/NDF: 12.6/20

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: 1734.389+/-491.268 χ^2/NDF: 20.2/25

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

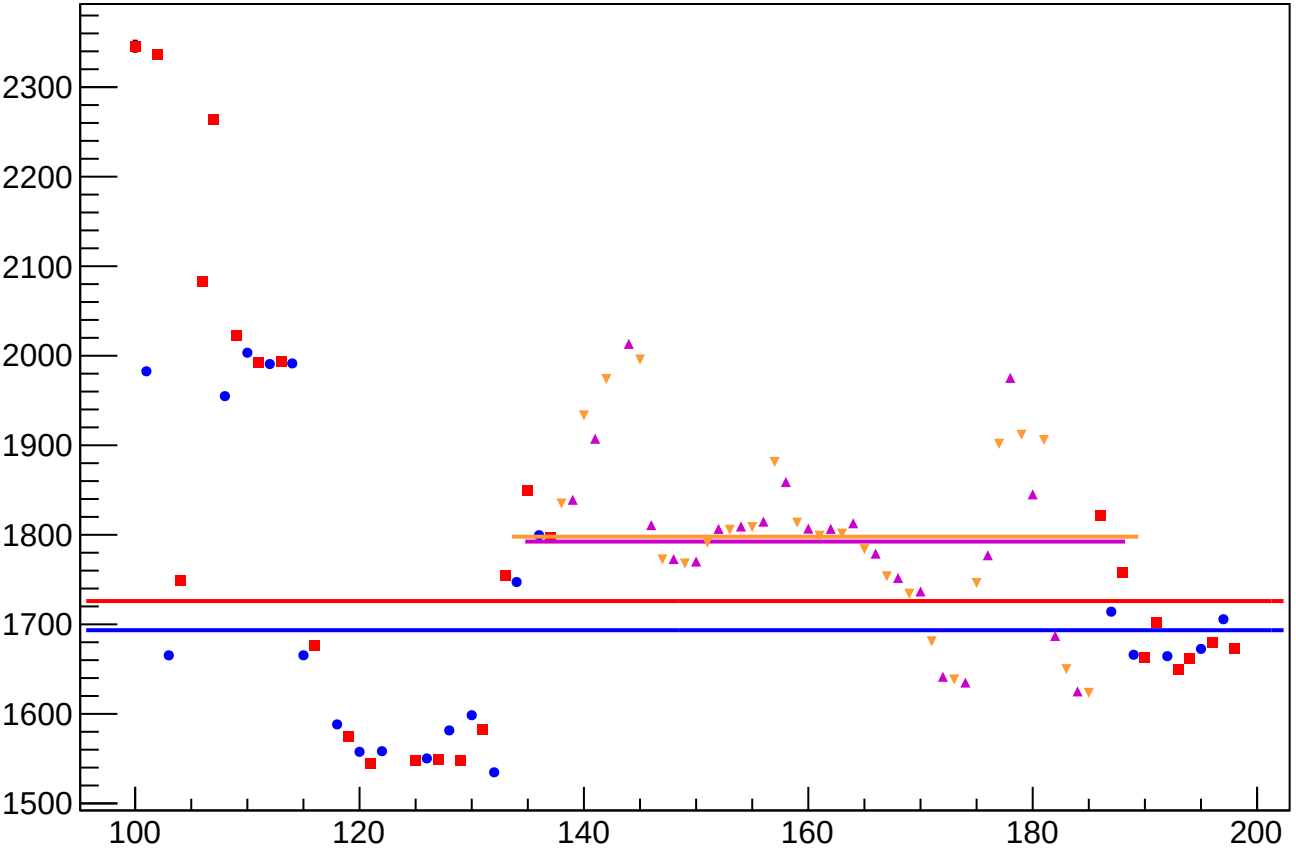
Right: 1788.703+/-357.566 χ^2/NDF: 32.9/46

In: 2100.081+/-326.699 χ^2/NDF:43.4/43

Out: 1131.147+/-318.378 χ^2/NDF:55.1/49

All: 1603.117+/-228.012 χ^2/NDF: 103.0/93

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1693.440+/-0.369 χ^2/NDF: 136947.6/20

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1726.006+/-0.347 χ^2/NDF: 264105.7/25

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

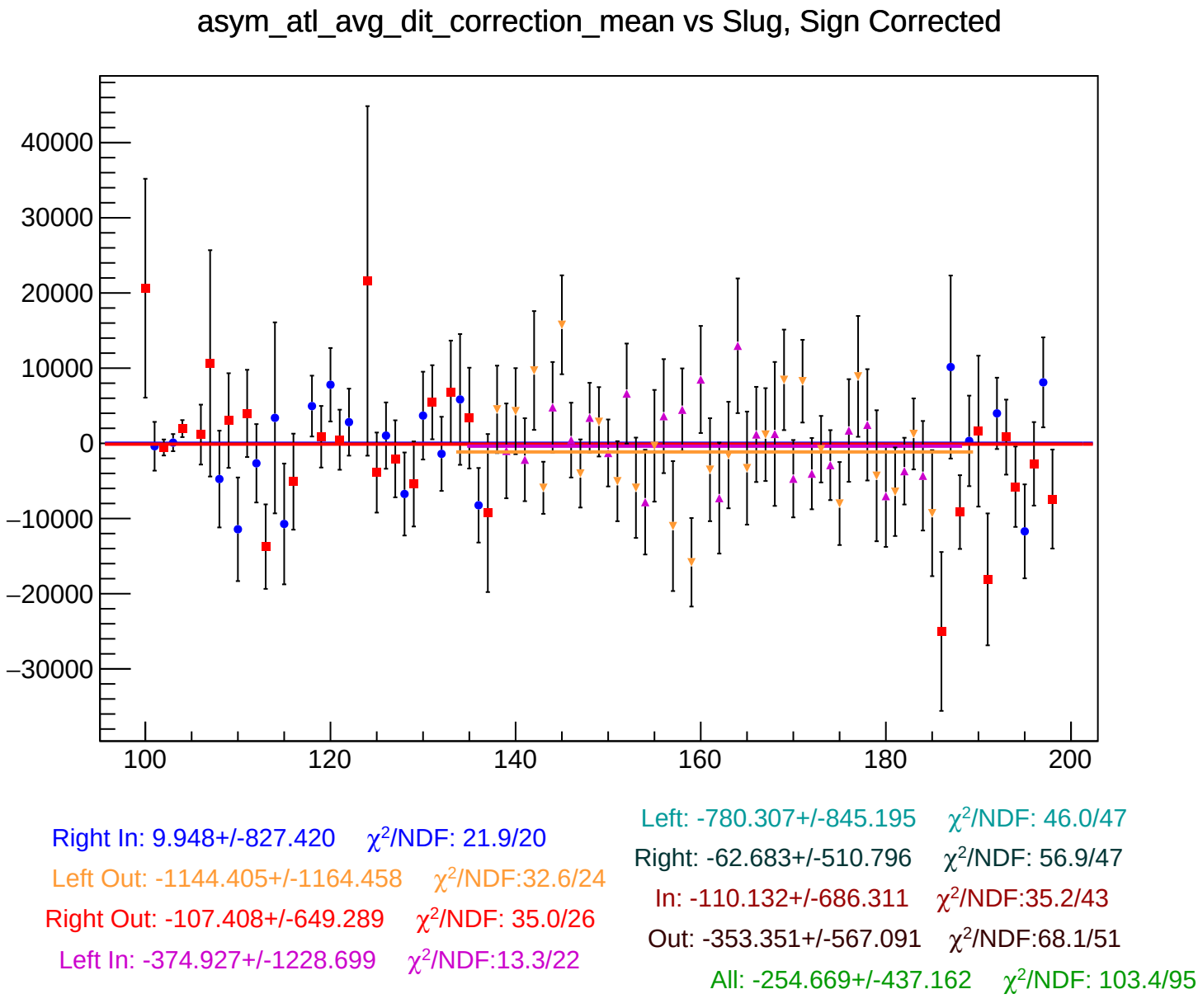
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

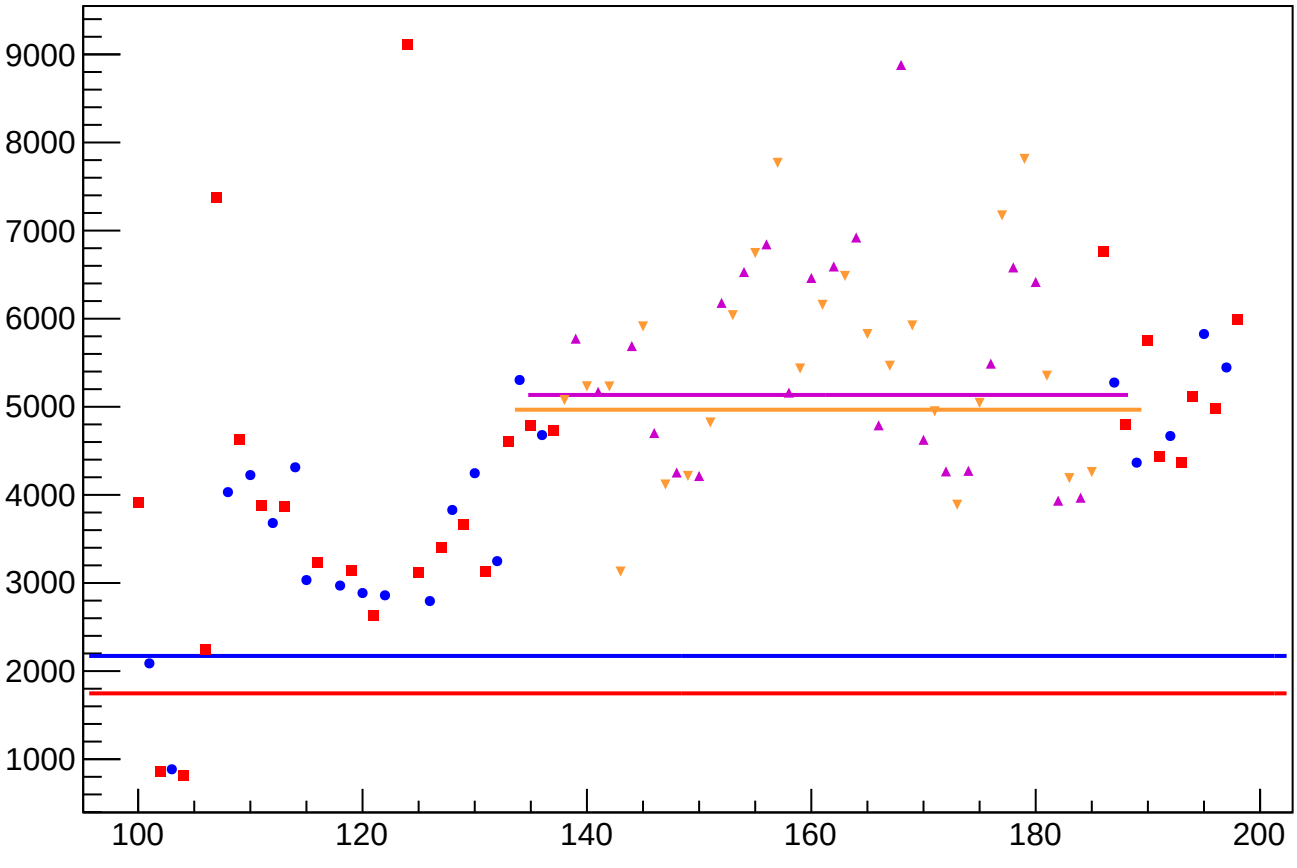
Right: 1710.713+/-0.253 χ^2/NDF: 405191.0/46

In: 1753.583+/-0.231 χ^2/NDF:273625.5/43

Out: 1767.666+/-0.225 χ^2/NDF:386993.6/49

All: 1760.810+/-0.161 χ^2/NDF: 662526.3/93


asym_atl_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 9.948+/-827.420 χ²/NDF: 21.9/20
Left Out: -1144.405+/-1164.458 χ²/NDF:32.6/24
Right Out: -107.408+/-649.289 χ²/NDF: 35.0/26
Left In: -374.927+/-1228.699 χ²/NDF:13.3/22
Left: -780.307+/-845.195 χ²/NDF: 46.0/47
Right: -62.683+/-510.796 χ²/NDF: 56.9/47
In: -110.132+/-686.311 χ²/NDF:35.2/43
Out: -353.351+/-567.091 χ²/NDF:68.1/51
All: -254.669+/-437.162 χ²/NDF: 103.4/95



Right In: 2172.070+/-0.585 χ^2/NDF: 6871634.6/20

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1747.156+/-0.459 χ^2/NDF: 10966751.9/26

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

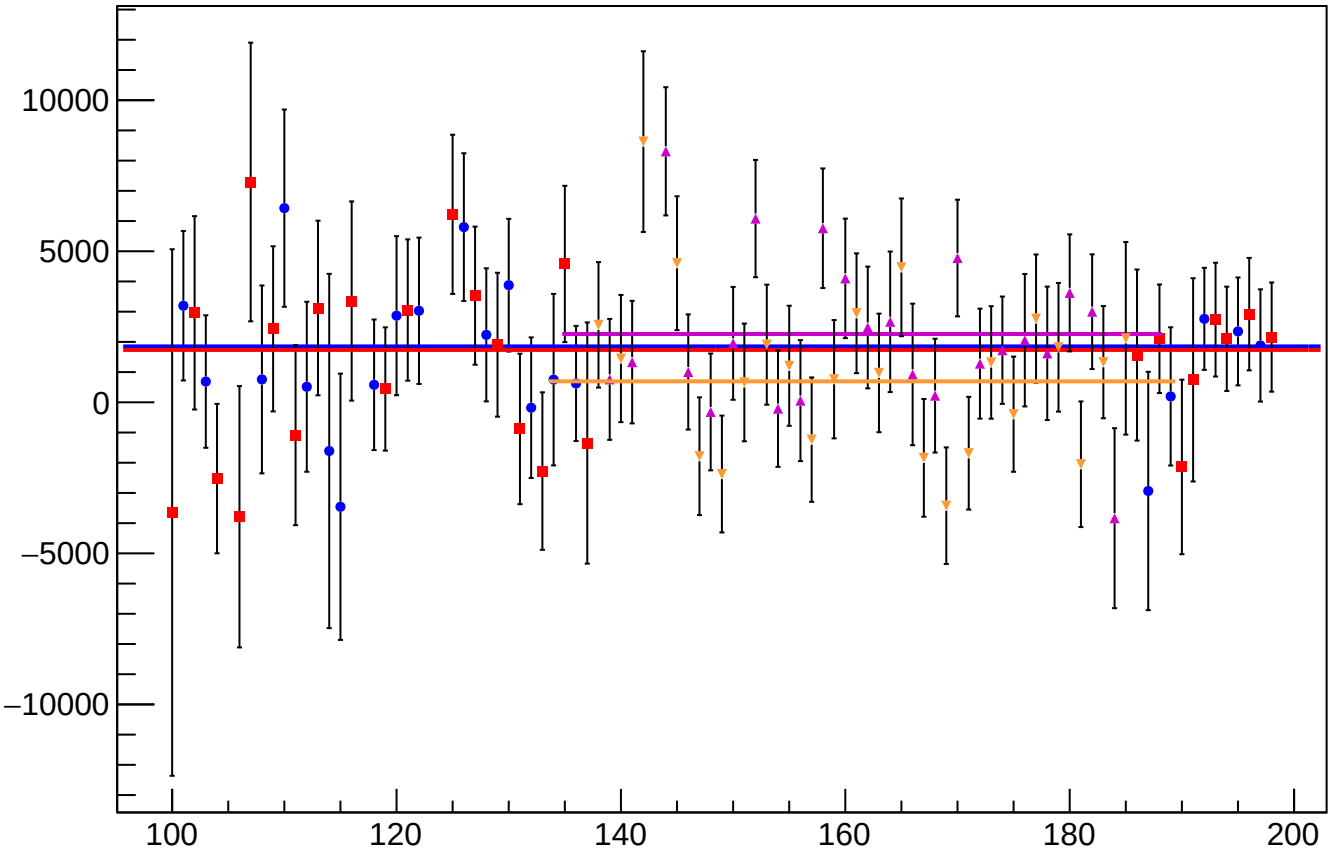
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 1909.092+/-0.361 χ^2/NDF: 18164821.1/47

In: 3096.323+/-0.485 χ^2/NDF:16357217.3/43

Out: 2510.774+/-0.401 χ^2/NDF:24548692.6/51

All: 2748.352+/-0.309 χ^2/NDF: 41771067.4/9



Right In: 1849.888+/-521.428 χ^2/NDF: 12.6/20

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: 1734.386+/-491.268 χ^2/NDF: 20.2/25

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

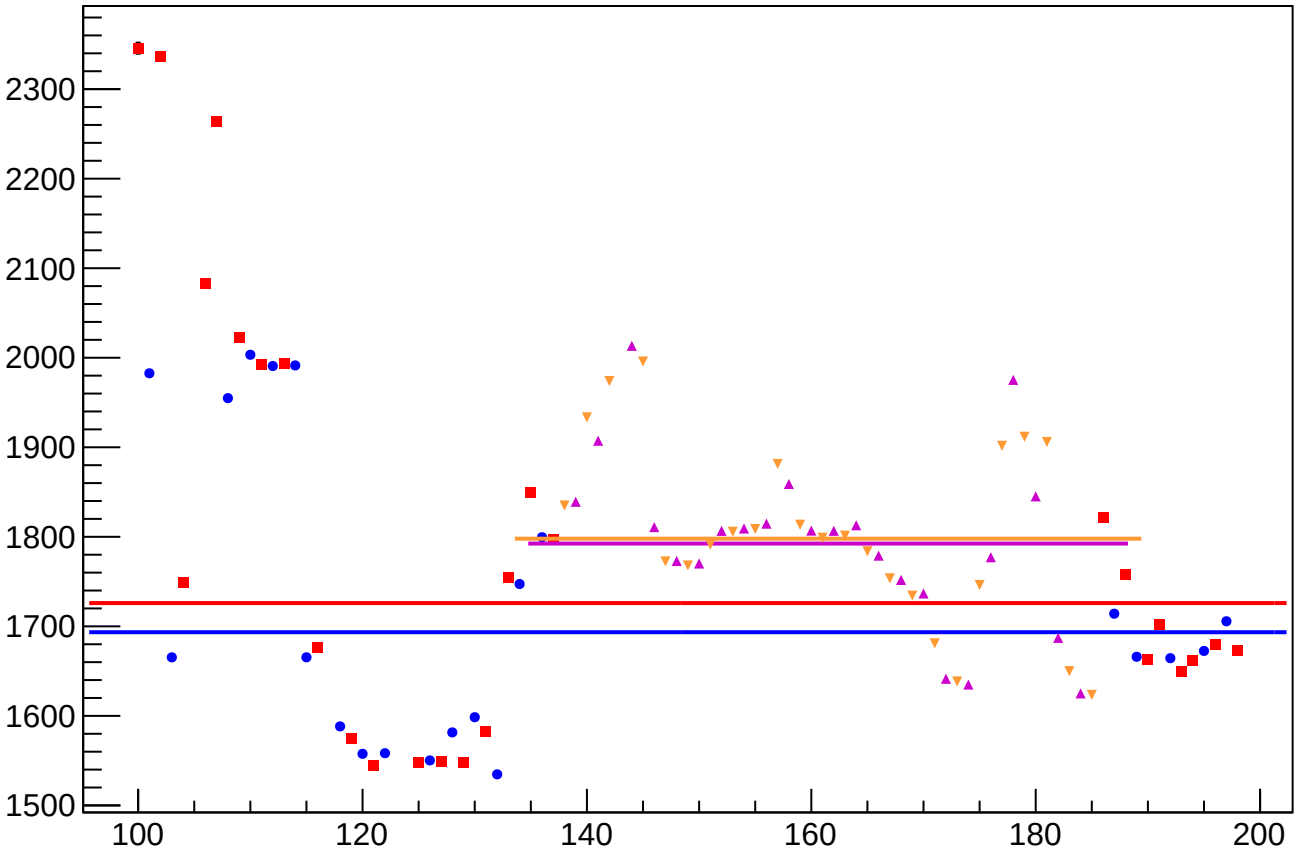
Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

Right: 1788.700+/-357.566 χ^2/NDF: 32.9/46

In: 2100.079+/-326.700 χ^2/NDF:43.4/43

Out: 1131.144+/-318.378 χ^2/NDF:55.1/49

All: 1603.114+/-228.012 χ^2/NDF: 103.0/93



Right In: 1693.440+/-0.369 χ^2/NDF: 136947.9/20

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1726.006+/-0.347 χ^2/NDF: 264105.0/25

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

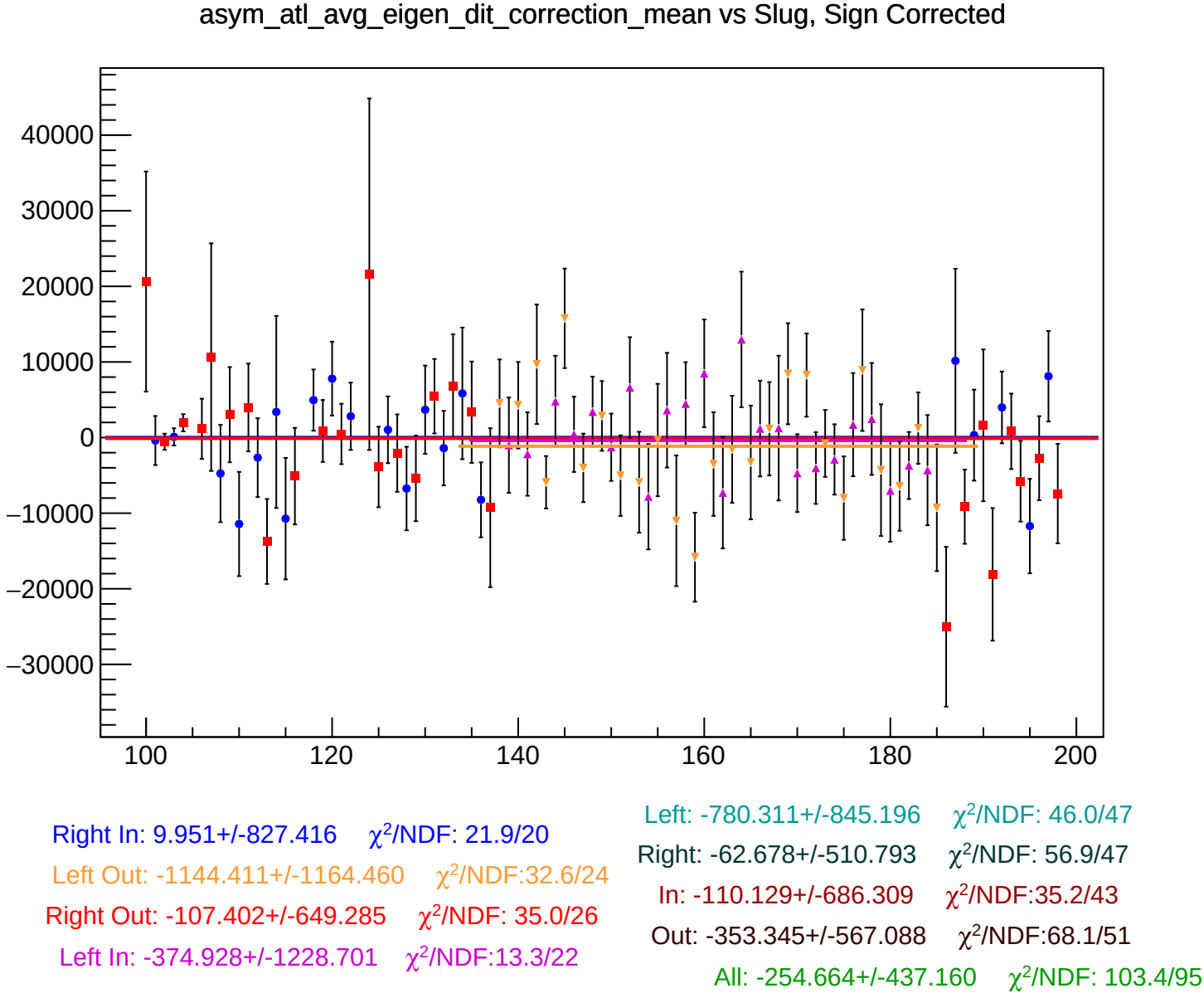
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

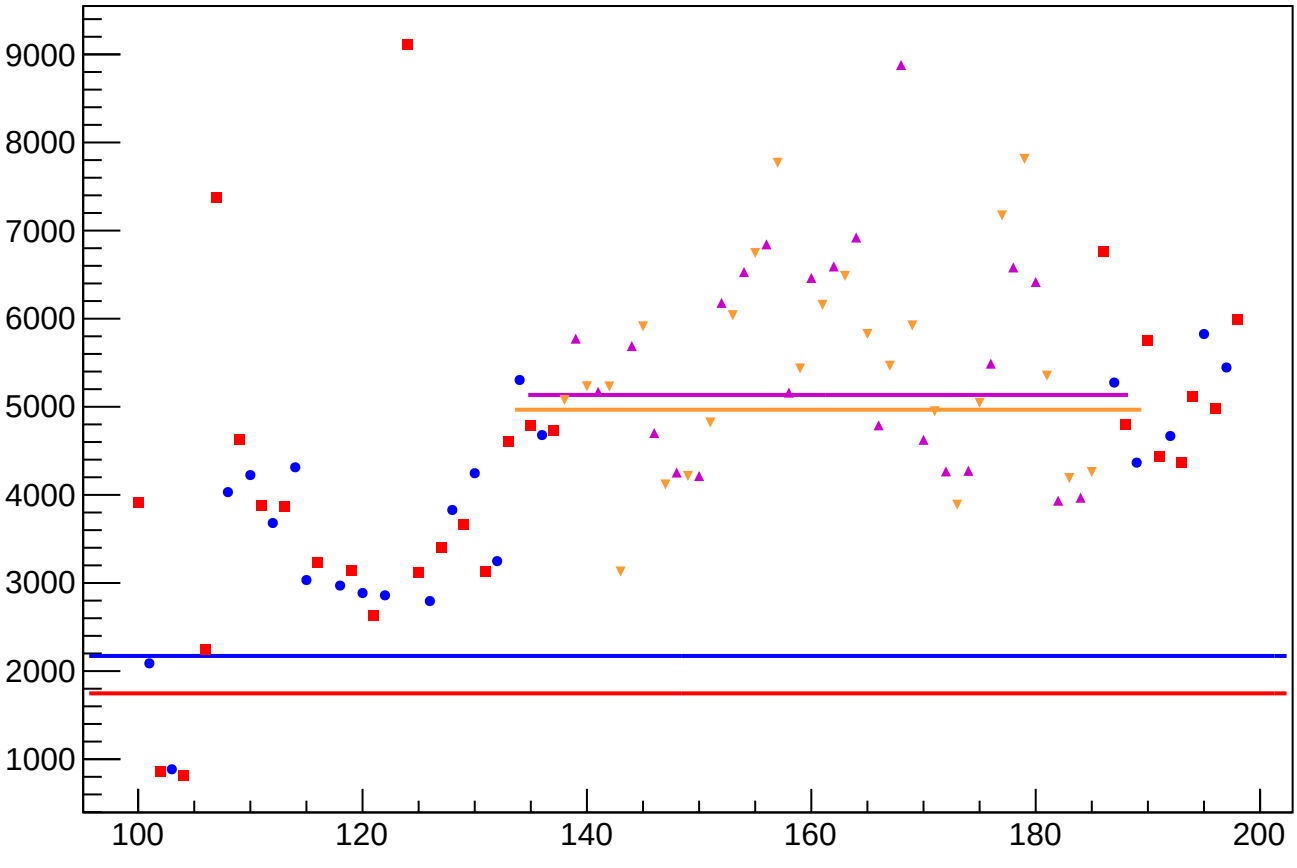
Right: 1710.712+/-0.253 χ^2/NDF: 405190.5/46

In: 1753.583+/-0.231 χ^2/NDF:273630.3/43

Out: 1767.667+/-0.225 χ^2/NDF:386997.3/49

All: 1760.810+/-0.161 χ^2/NDF: 662534.8/93


asym_atl_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 9.951+/-827.416 χ²/NDF: 21.9/20
Left Out: -1144.411+/-1164.460 χ²/NDF:32.6/24
Right Out: -107.402+/-649.285 χ²/NDF: 35.0/26
Left In: -374.928+/-1228.701 χ²/NDF:13.3/22
Left: -780.311+/-845.196 χ²/NDF: 46.0/47
Right: -62.678+/-510.793 χ²/NDF: 56.9/47
In: -110.129+/-686.309 χ²/NDF:35.2/43
Out: -353.345+/-567.088 χ²/NDF:68.1/51
All: -254.664+/-437.160 χ²/NDF: 103.4/95



Right In: 2172.051+/-0.585 χ^2/NDF: 6871705.8/20

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1747.140+/-0.459 χ^2/NDF: 10966834.9/26

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

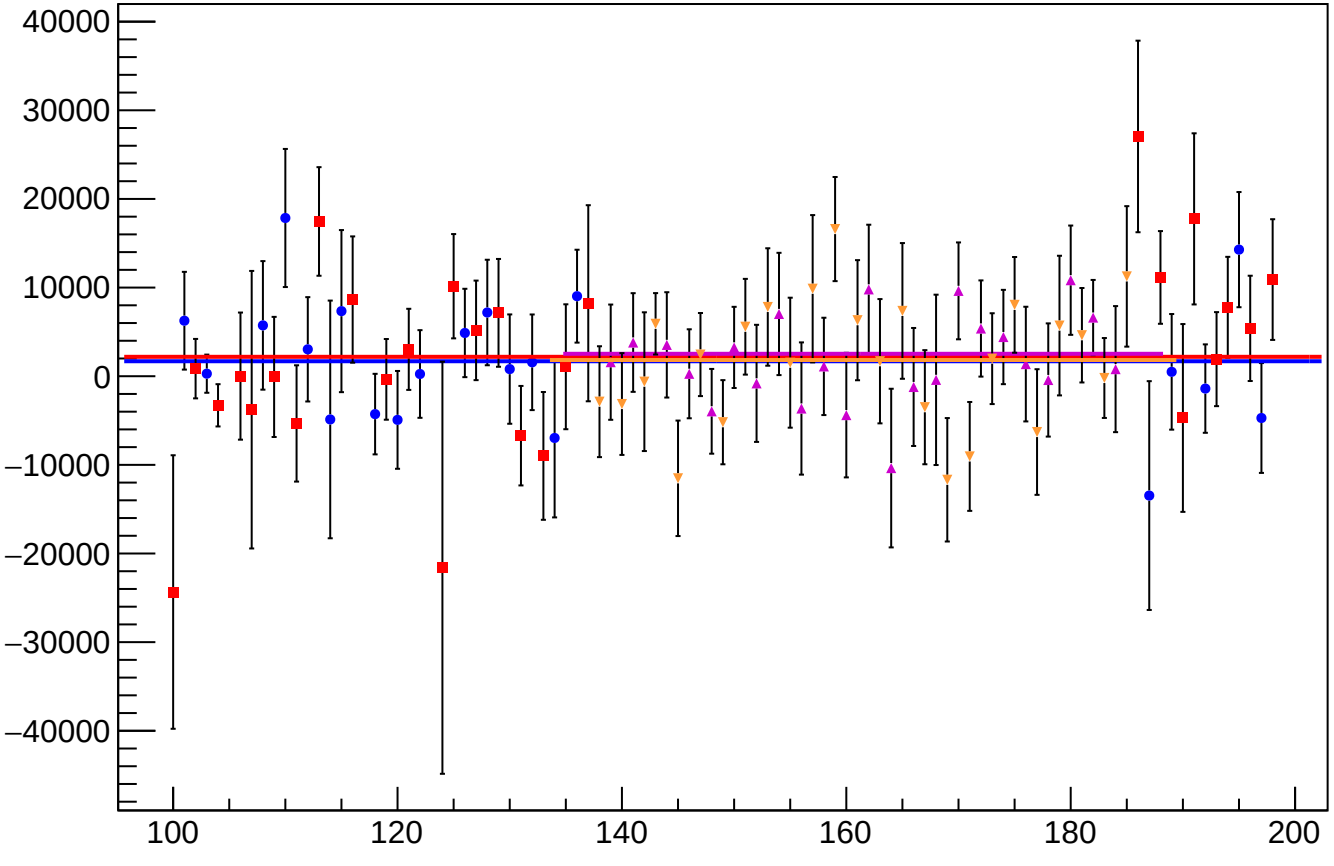
Right: 1909.074+/-0.361 χ^2/NDF: 18164976.5/47

In: 3096.304+/-0.485 χ^2/NDF:16357445.9/43

Out: 2510.753+/-0.401 χ^2/NDF:24548965.5/51

All: 2748.331+/-0.309 χ^2/NDF: 41771579.2/9

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1689.710+/-1154.589 χ^2/NDF: 20.4/20

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: 2189.585+/-1097.707 χ^2/NDF: 40.6/26

Left In: 2529.501+/-1242.040 χ^2/NDF:13.2/22

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

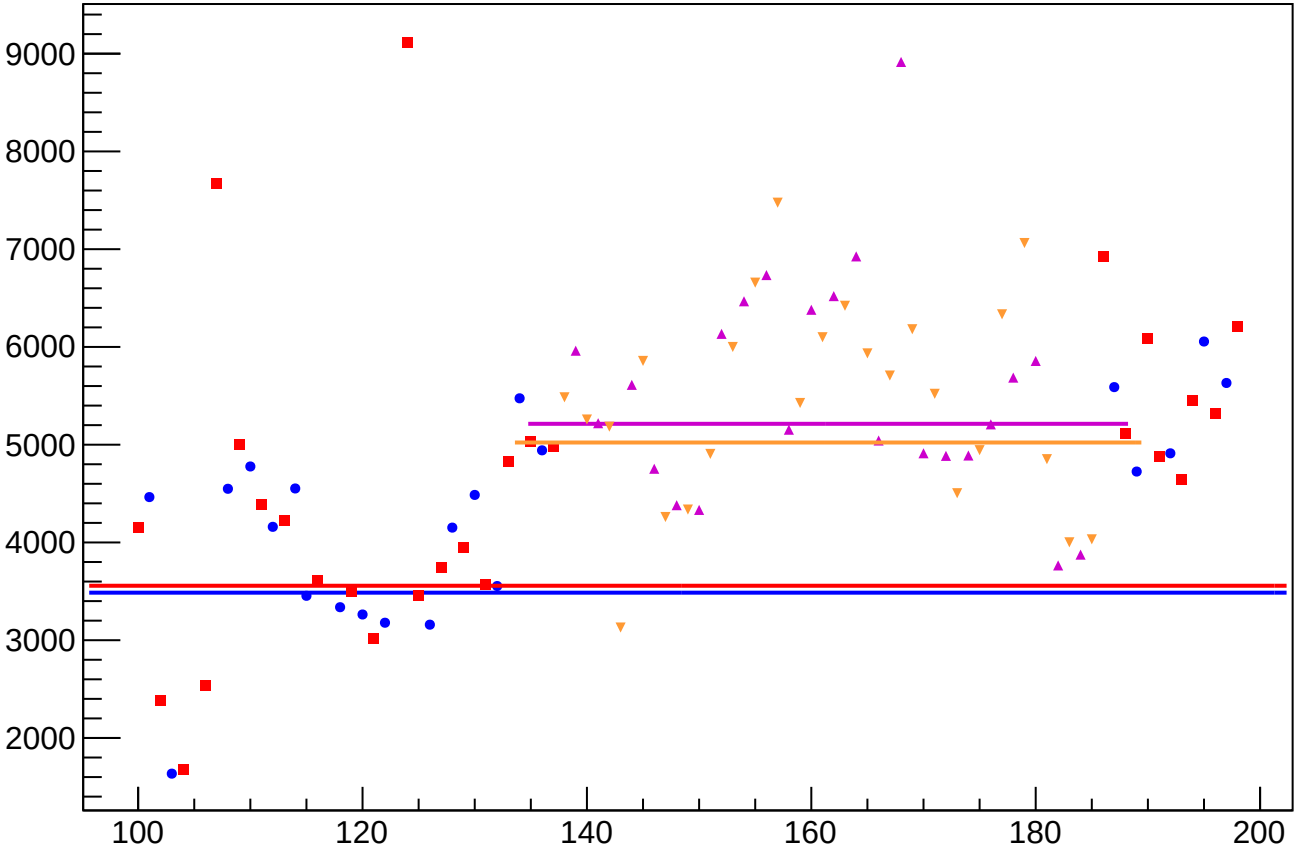
Right: 1952.264+/-795.546 χ^2/NDF: 61.2/47

In: 2079.003+/-845.645 χ^2/NDF:33.9/43

Out: 2019.849+/-801.327 χ^2/NDF:71.8/51

All: 2047.835+/-581.660 χ^2/NDF: 105.7/95

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3486.299+/-0.816 χ^2/NDF: 2871963.1/20

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3557.146+/-0.767 χ^2/NDF: 3508627.5/26

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

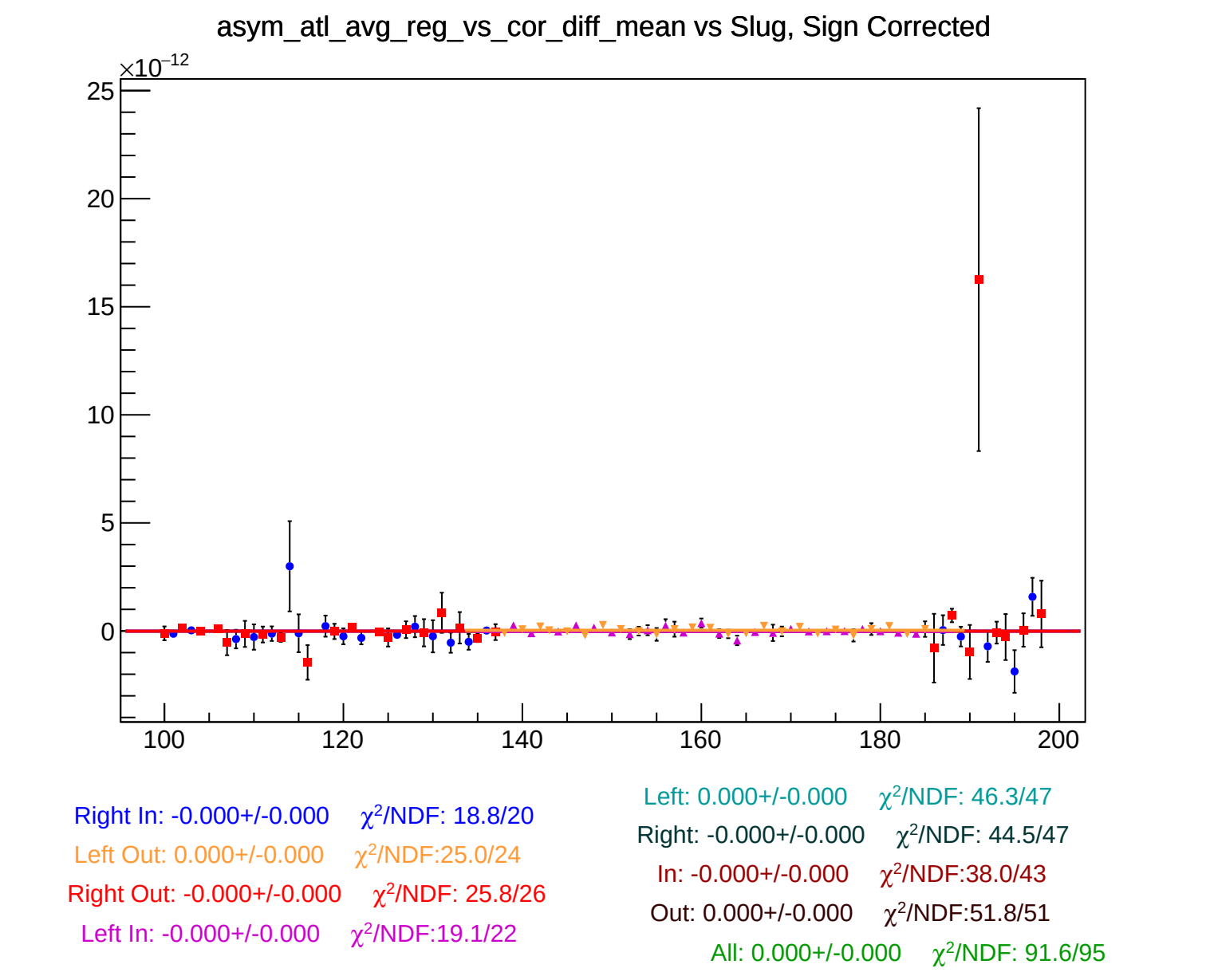
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

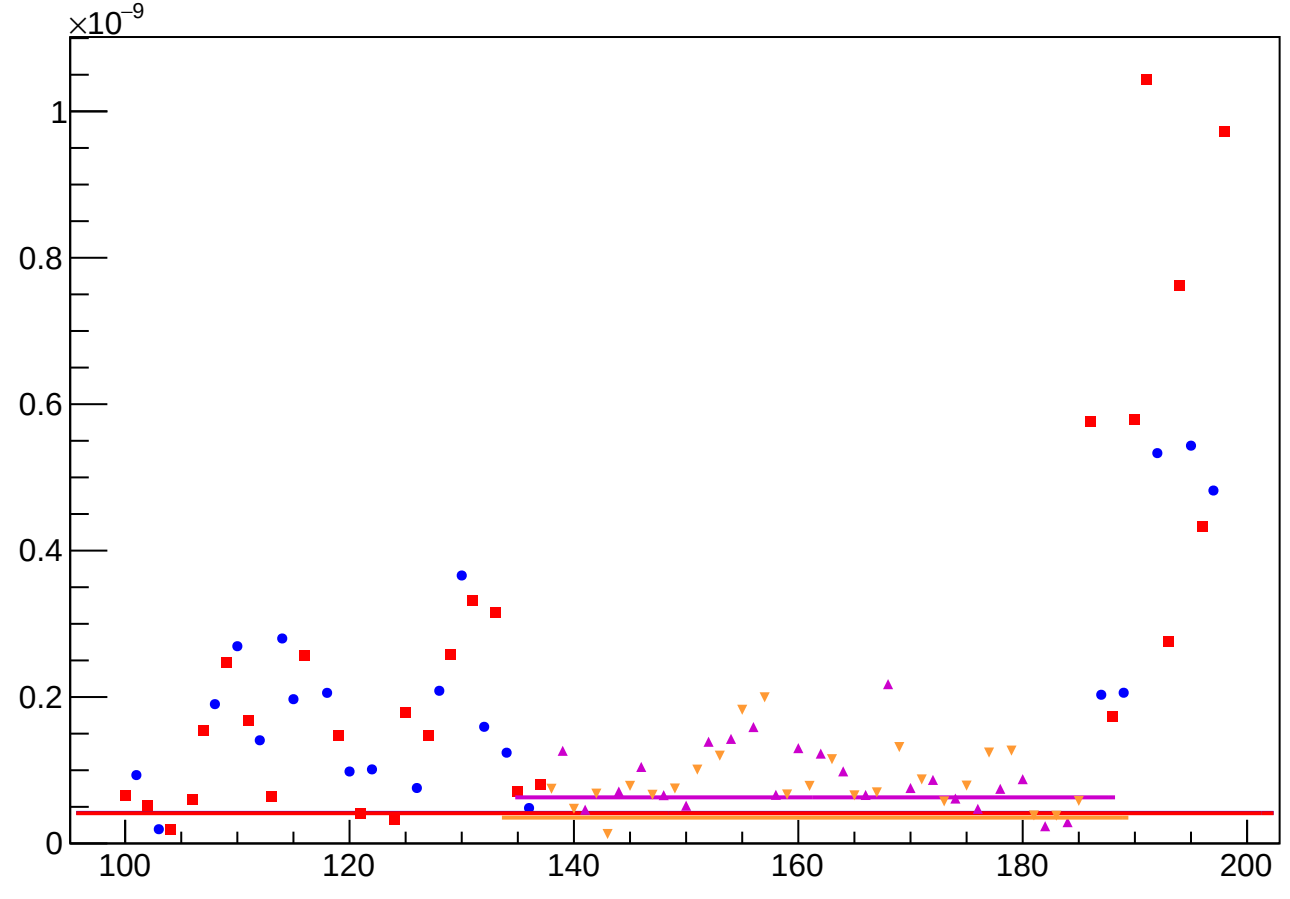
Right: 3523.945+/-0.559 χ^2/NDF: 6384592.1/47

In: 4287.016+/-0.598 χ^2/NDF:6170211.4/43

Out: 4232.591+/-0.563 χ^2/NDF:6868927.6/51

All: 4258.161+/-0.410 χ^2/NDF: 13043531.2/9


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: 18.8/20
Left Out: 0.000+/-0.000 χ²/NDF:25.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/26
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: 44.5/47
In: -0.000+/-0.000 χ²/NDF:38.0/43
Out: 0.000+/-0.000 χ²/NDF:51.8/51
All: 0.000+/-0.000 χ²/NDF: 91.6/95



Right In: 0.000+/-0.000 χ^2/NDF: 5228566.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6308564.3/26

Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

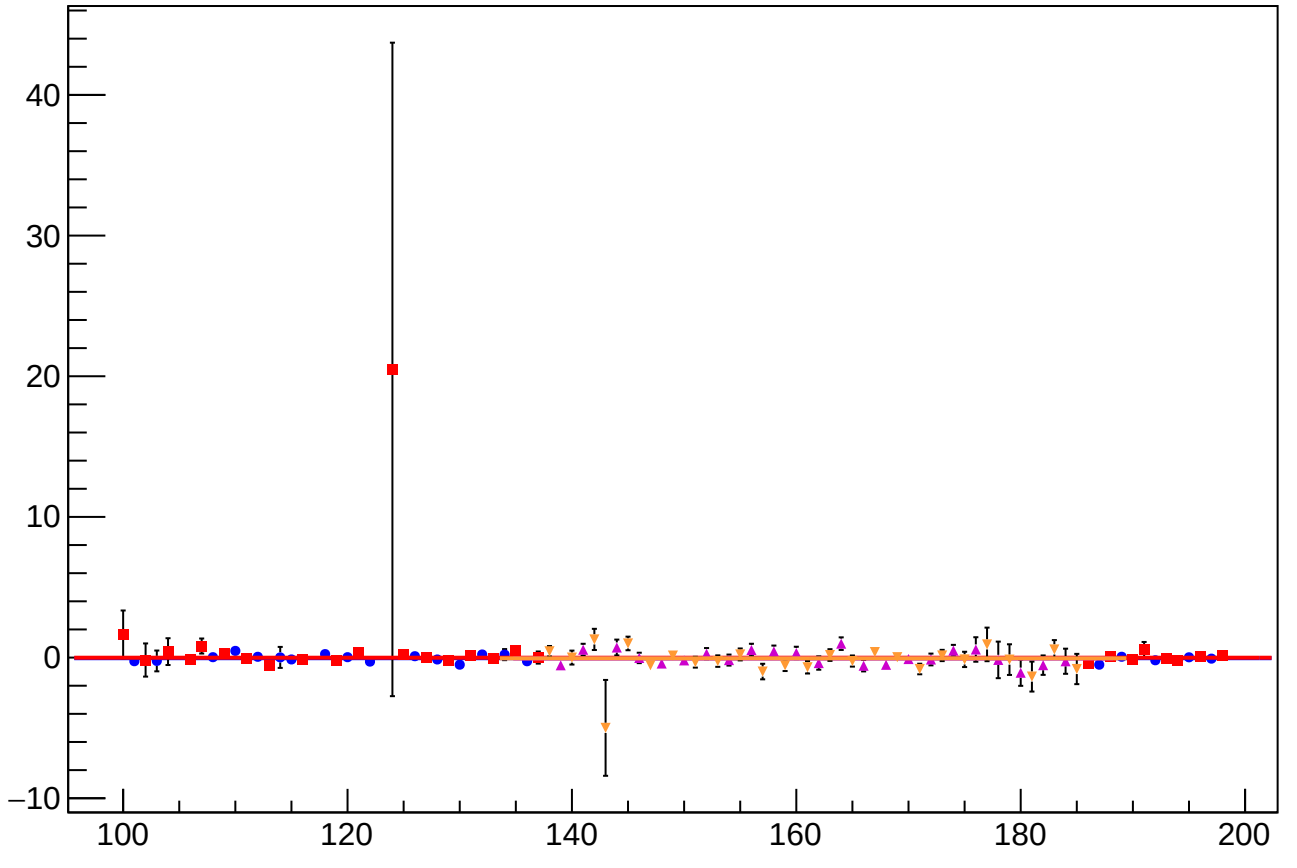
Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

Right: 0.000+/-0.000 χ^2/NDF: 11537277.9/47

In: 0.000+/-0.000 χ^2/NDF:8636339.2/43

Out: 0.000+/-0.000 χ^2/NDF:12872999.7/51

All: 0.000+/-0.000 χ^2/NDF: 22389355.8/95



Right In: -0.044+/-0.051 χ^2/NDF: 20.2/20

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.010+/-0.041 χ^2/NDF: 29.2/26

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

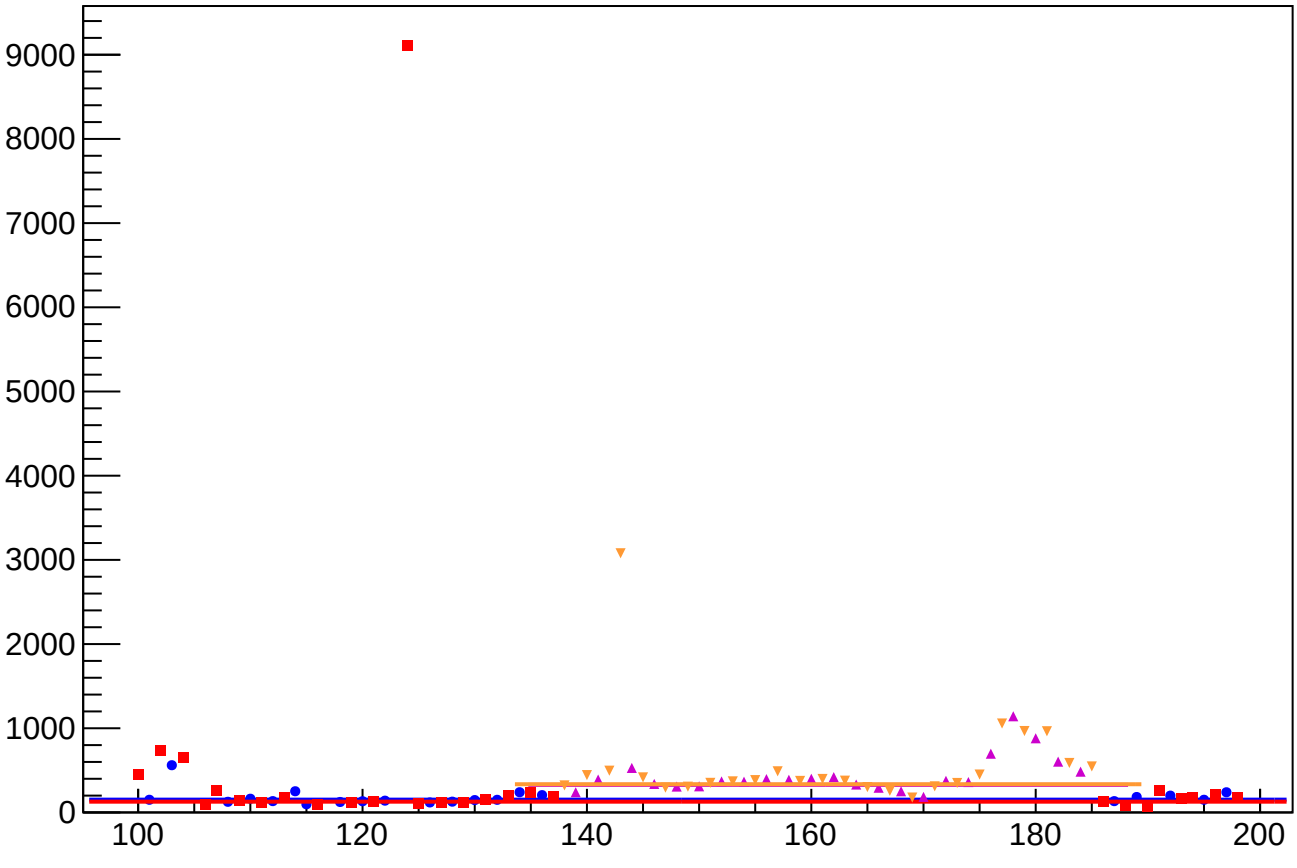
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: -0.023+/-0.032 χ^2/NDF: 49.7/47

In: -0.049+/-0.043 χ^2/NDF:48.2/43

Out: -0.018+/-0.037 χ^2/NDF:62.6/51

All: -0.031+/-0.028 χ^2/NDF: 111.1/95



Right In: 152.212+/-0.036 χ^2/NDF: 1491677.5/20

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 128.080+/-0.029 χ^2/NDF: 3620565.3/26

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

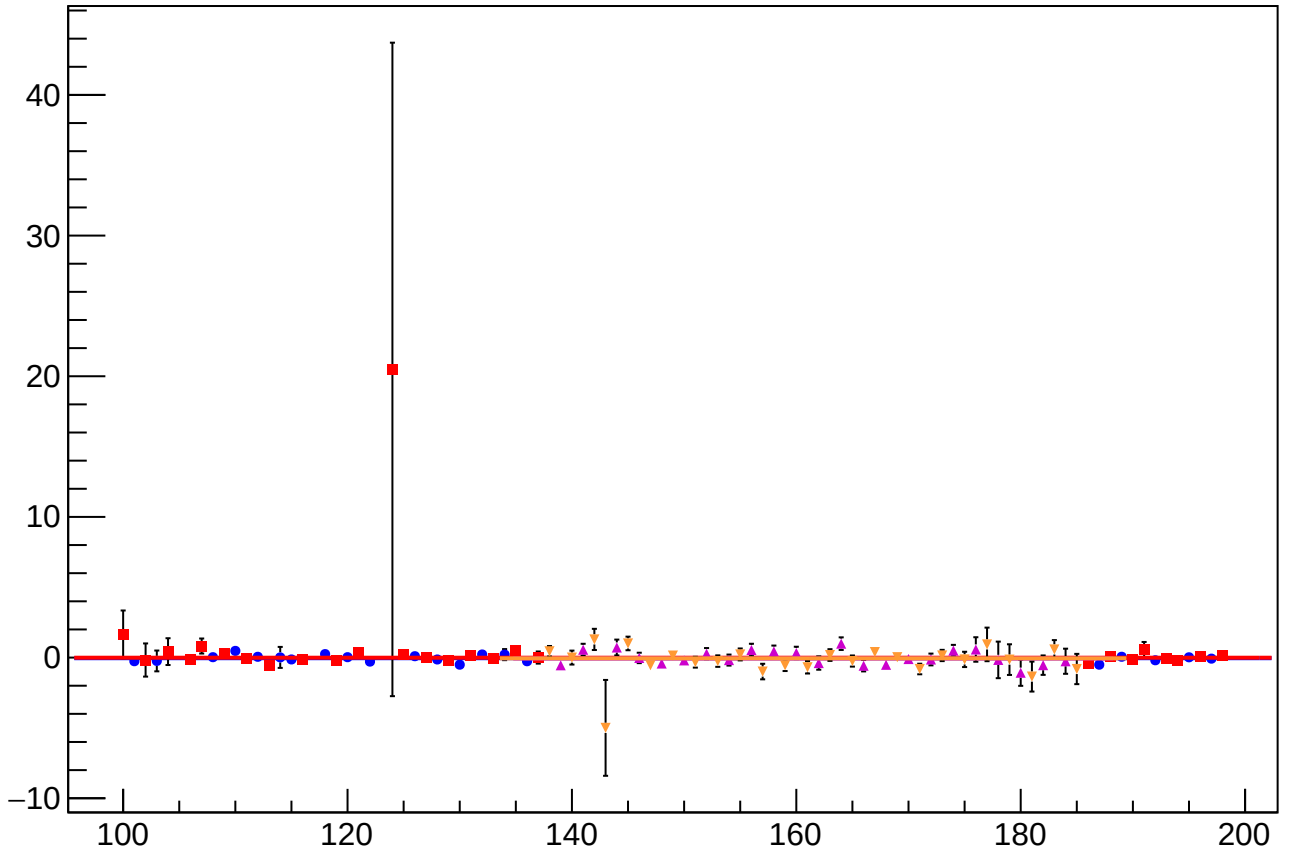
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 137.729+/-0.023 χ^2/NDF: 5385802.0/47

In: 199.877+/-0.031 χ^2/NDF:12186818.7/43

Out: 167.863+/-0.026 χ^2/NDF:19151877.1/51

All: 181.469+/-0.020 χ^2/NDF: 31972093.4/95



Right In: -0.044+/-0.051 χ^2/NDF: 20.2/20

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.010+/-0.041 χ^2/NDF: 29.2/26

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

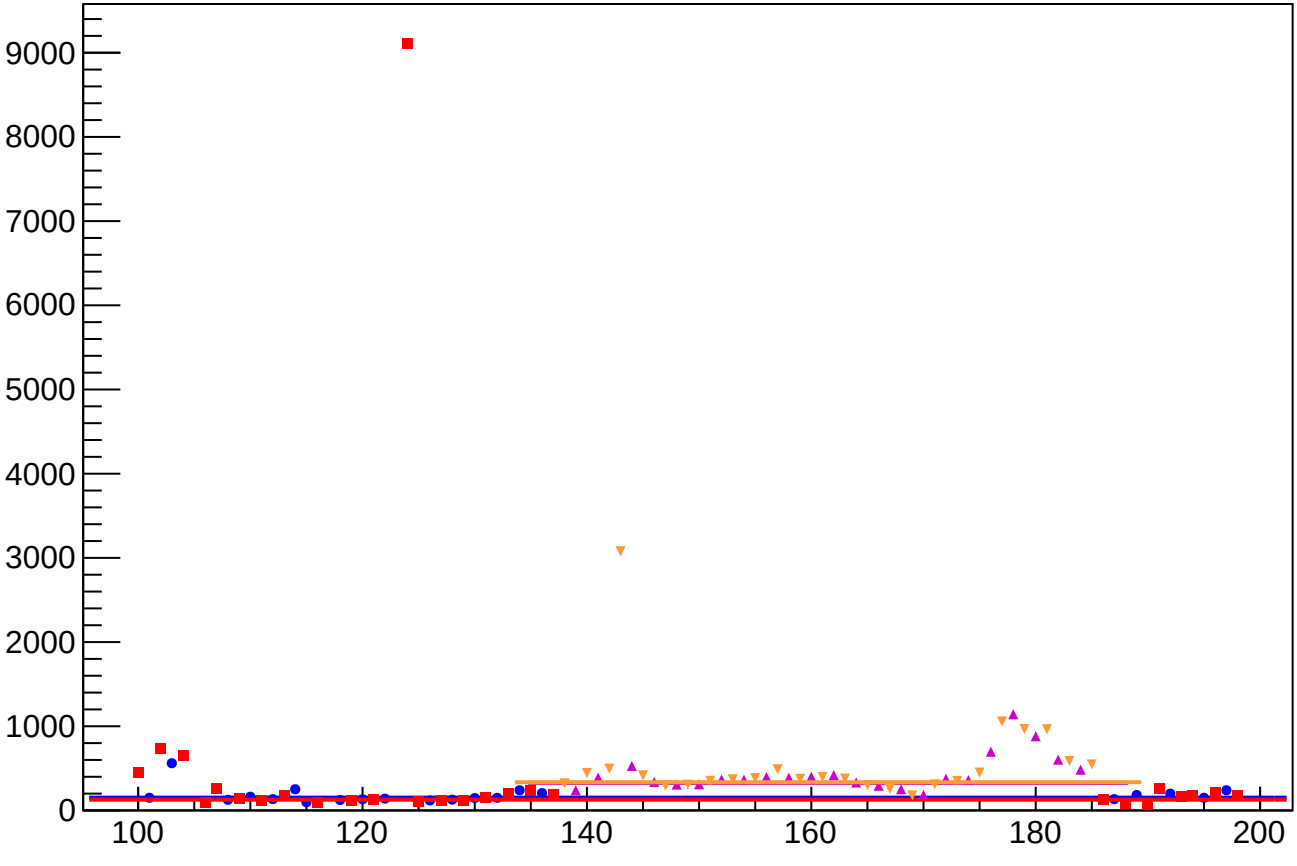
Right: -0.023+/-0.032 χ^2/NDF: 49.7/47

In: -0.049+/-0.043 χ^2/NDF:48.2/43

Out: -0.018+/-0.037 χ^2/NDF:62.6/51

All: -0.031+/-0.028 χ^2/NDF: 111.1/95

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 152.212+/-0.036 χ^2/NDF: 1491677.5/20

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 128.080+/-0.029 χ^2/NDF: 3620565.3/26

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

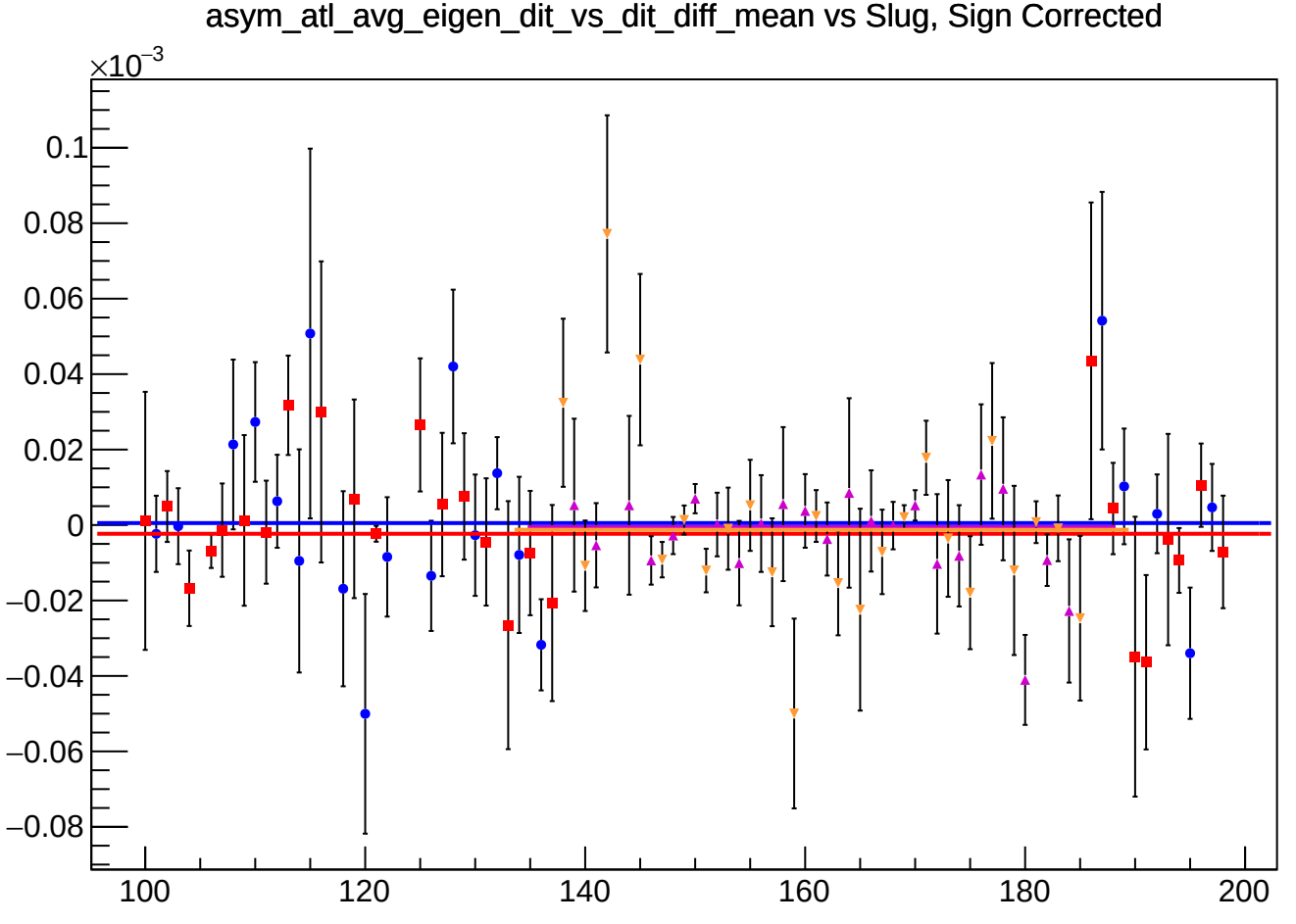
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 137.729+/-0.023 χ^2/NDF: 5385802.0/47

In: 199.877+/-0.031 χ^2/NDF:12186818.7/43

Out: 167.863+/-0.026 χ^2/NDF:19151877.1/51

All: 181.469+/-0.020 χ^2/NDF: 31972093.4/95



Right In: 0.000+/-0.000 χ^2/NDF: 29.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/25

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

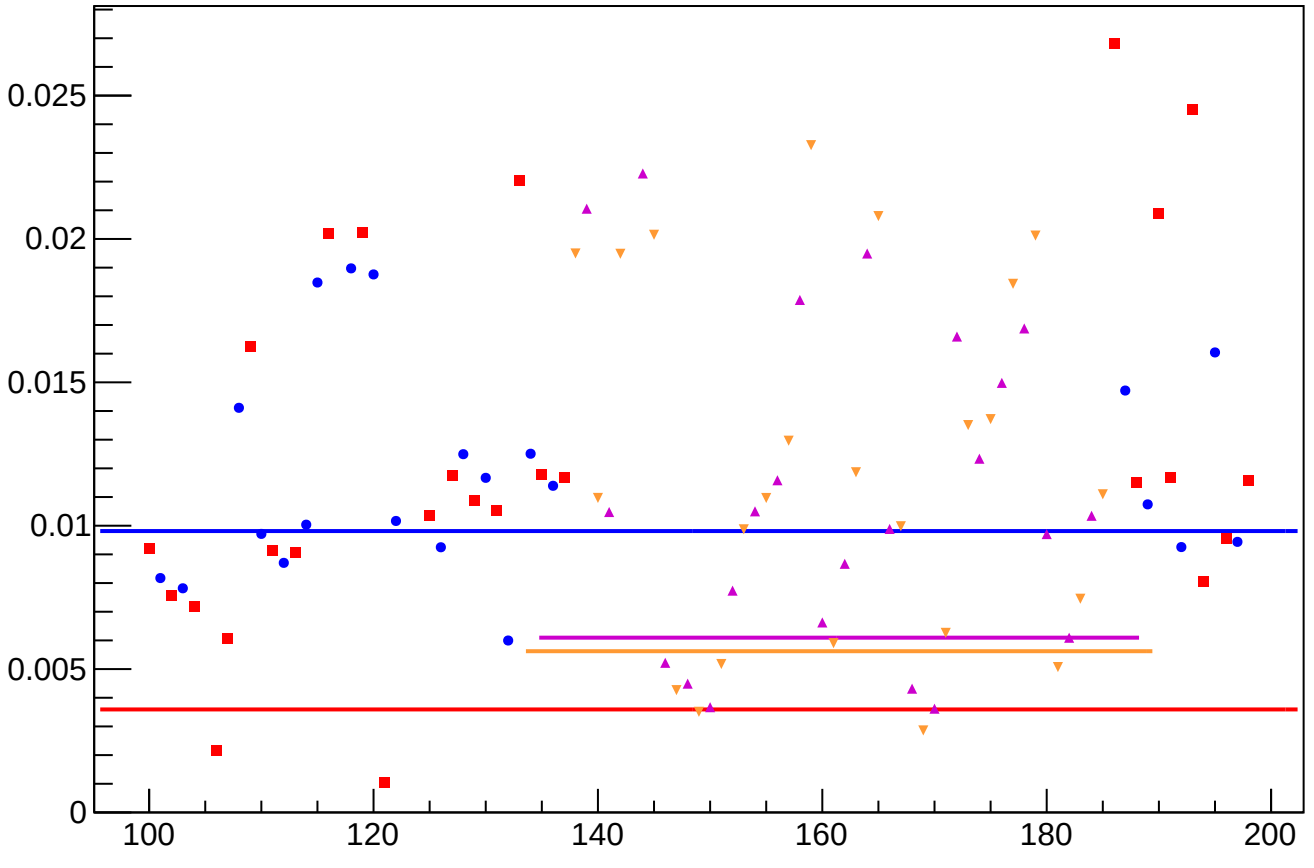
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: -0.000+/-0.000 χ^2/NDF: 52.6/46

In: -0.000+/-0.000 χ^2/NDF:55.4/43

Out: -0.000+/-0.000 χ^2/NDF:58.1/49

All: -0.000+/-0.000 χ^2/NDF: 114.1/93



Right In: 0.010+/-0.000 χ^2/NDF: 1457675.0/20

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.004+/-0.000 χ^2/NDF: 13947578.0/25

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

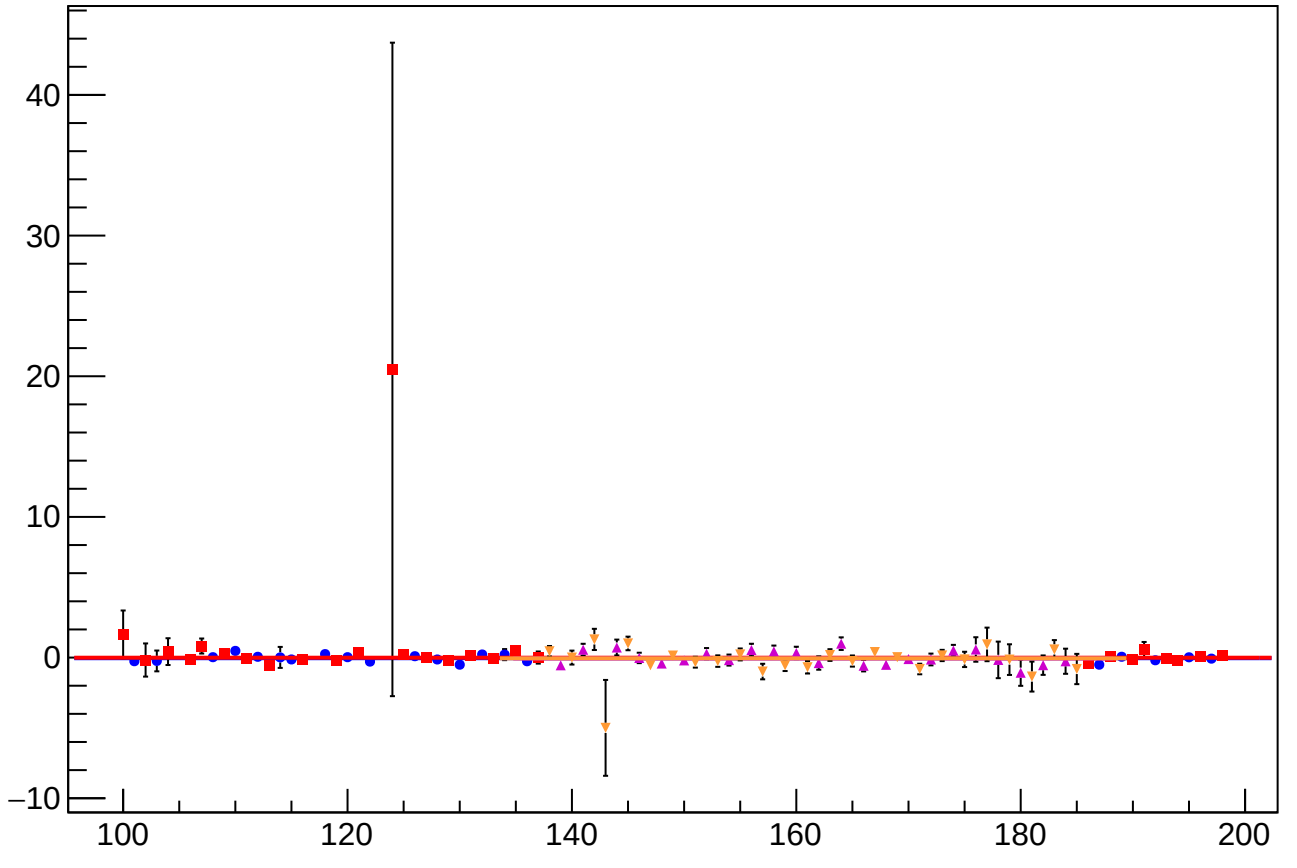
Left: 0.006+/-0.000 χ^2/NDF: 20062256.6/46

Right: 0.005+/-0.000 χ^2/NDF: 21344251.6/46

In: 0.007+/-0.000 χ^2/NDF:12326103.8/43

Out: 0.005+/-0.000 χ^2/NDF:26694230.8/49

All: 0.005+/-0.000 χ^2/NDF: 41953684.5/93



Right In: -0.044+/-0.051 χ^2/NDF: 20.2/20

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.010+/-0.041 χ^2/NDF: 29.3/26

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

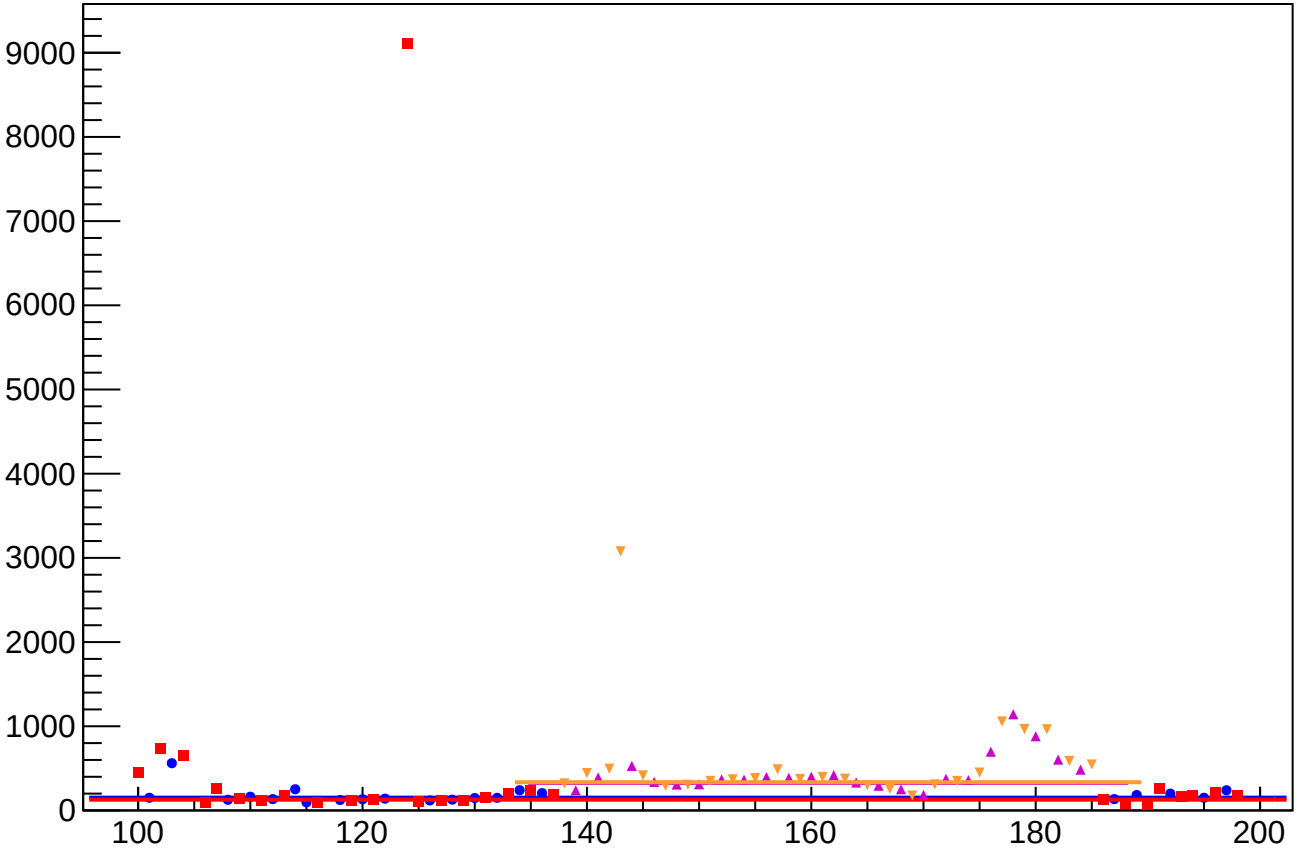
Right: -0.023+/-0.032 χ^2/NDF: 49.7/47

In: -0.049+/-0.043 χ^2/NDF:48.2/43

Out: -0.018+/-0.037 χ^2/NDF:62.6/51

All: -0.031+/-0.028 χ^2/NDF: 111.1/95

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 152.211+/-0.036 χ^2/NDF: 1491701.9/20

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 128.078+/-0.029 χ^2/NDF: 3620583.9/26

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

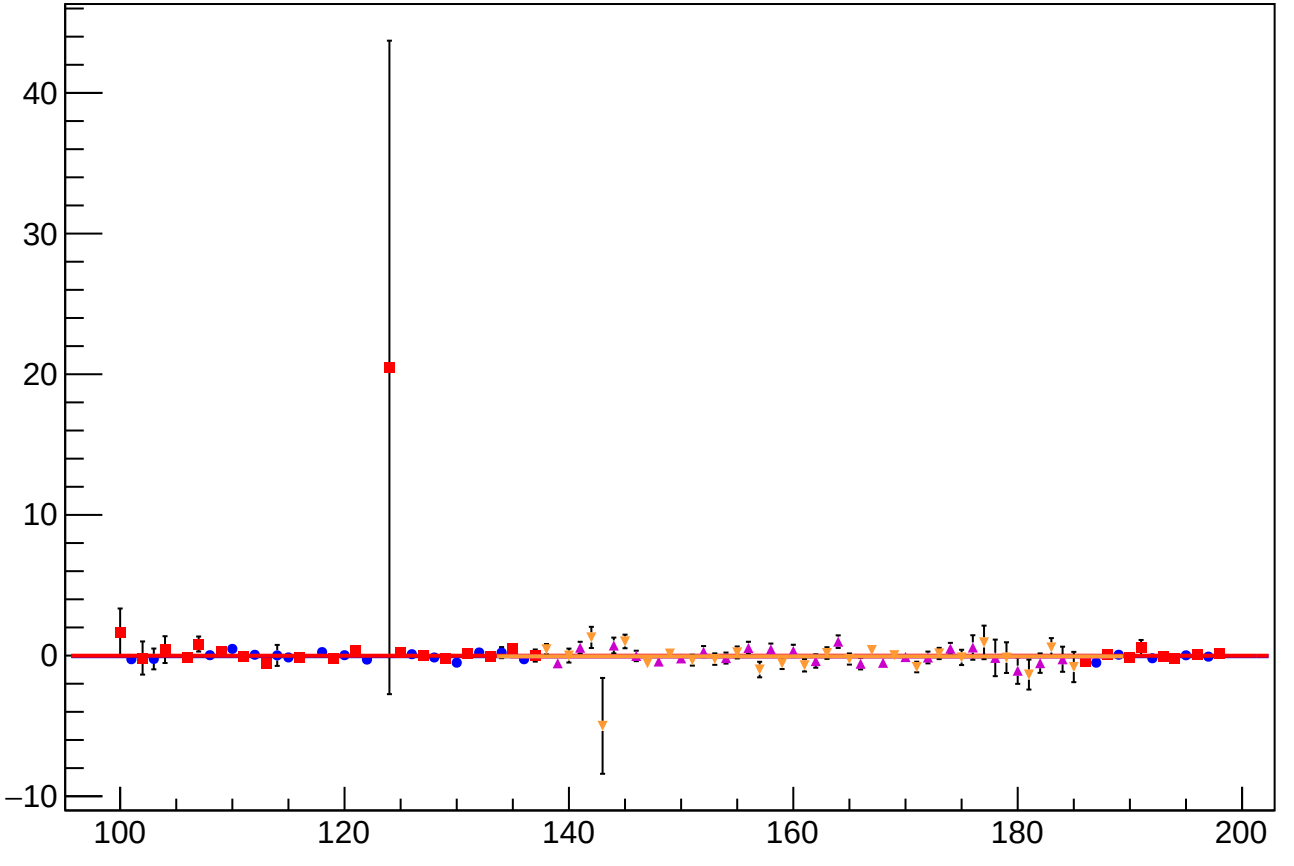
Right: 137.727+/-0.023 χ^2/NDF: 5385868.6/47

In: 199.875+/-0.031 χ^2/NDF:12187099.2/43

Out: 167.861+/-0.026 χ^2/NDF:19152289.4/51

All: 181.467+/-0.020 χ^2/NDF: 31972841.6/95

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.051 χ^2/NDF: 20.2/20

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.010+/-0.041 χ^2/NDF: 29.3/26

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

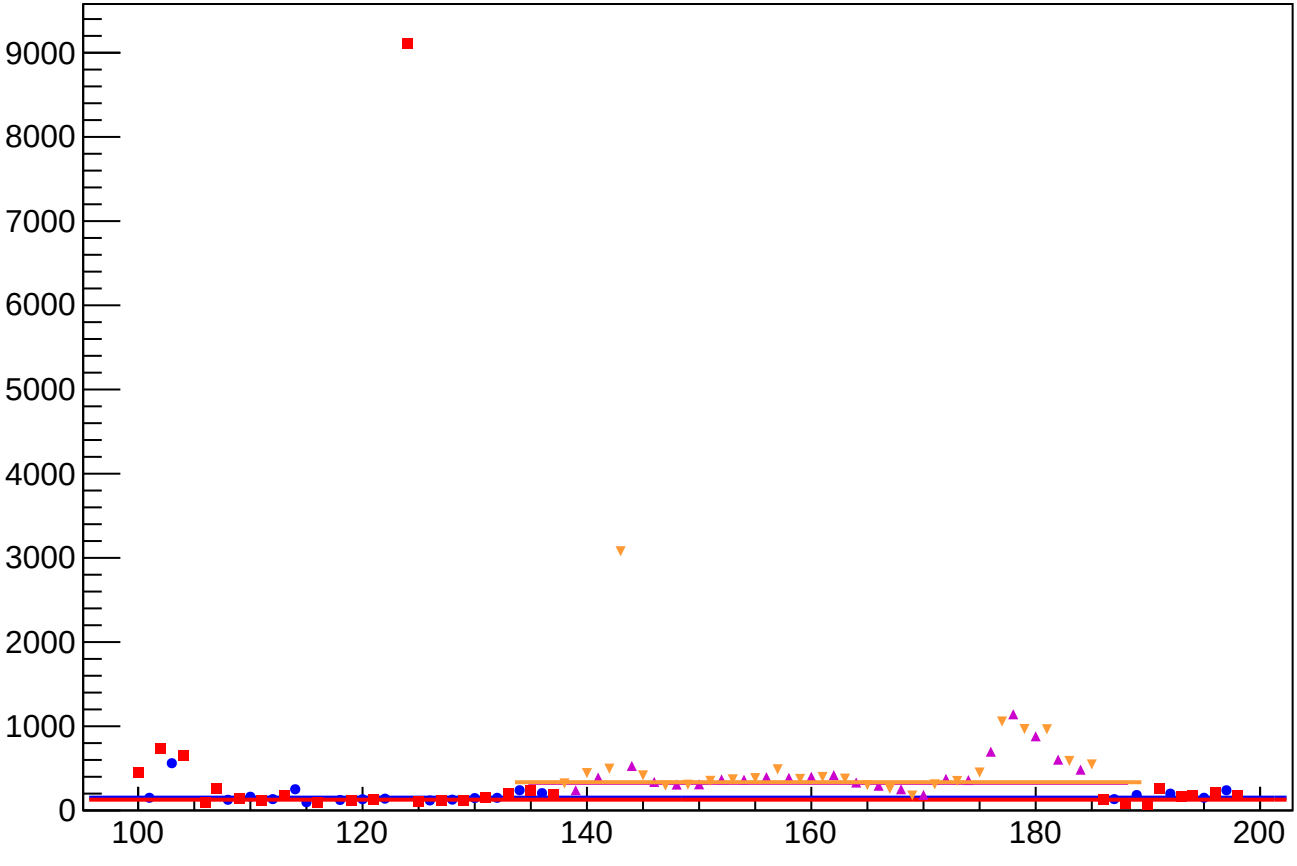
Right: -0.023+/-0.032 χ^2/NDF: 49.7/47

In: -0.049+/-0.043 χ^2/NDF:48.2/43

Out: -0.018+/-0.037 χ^2/NDF:62.6/51

All: -0.031+/-0.028 χ^2/NDF: 111.1/95

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 152.211+/-0.036 χ^2/NDF: 1491701.9/20

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 128.078+/-0.029 χ^2/NDF: 3620583.9/26

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

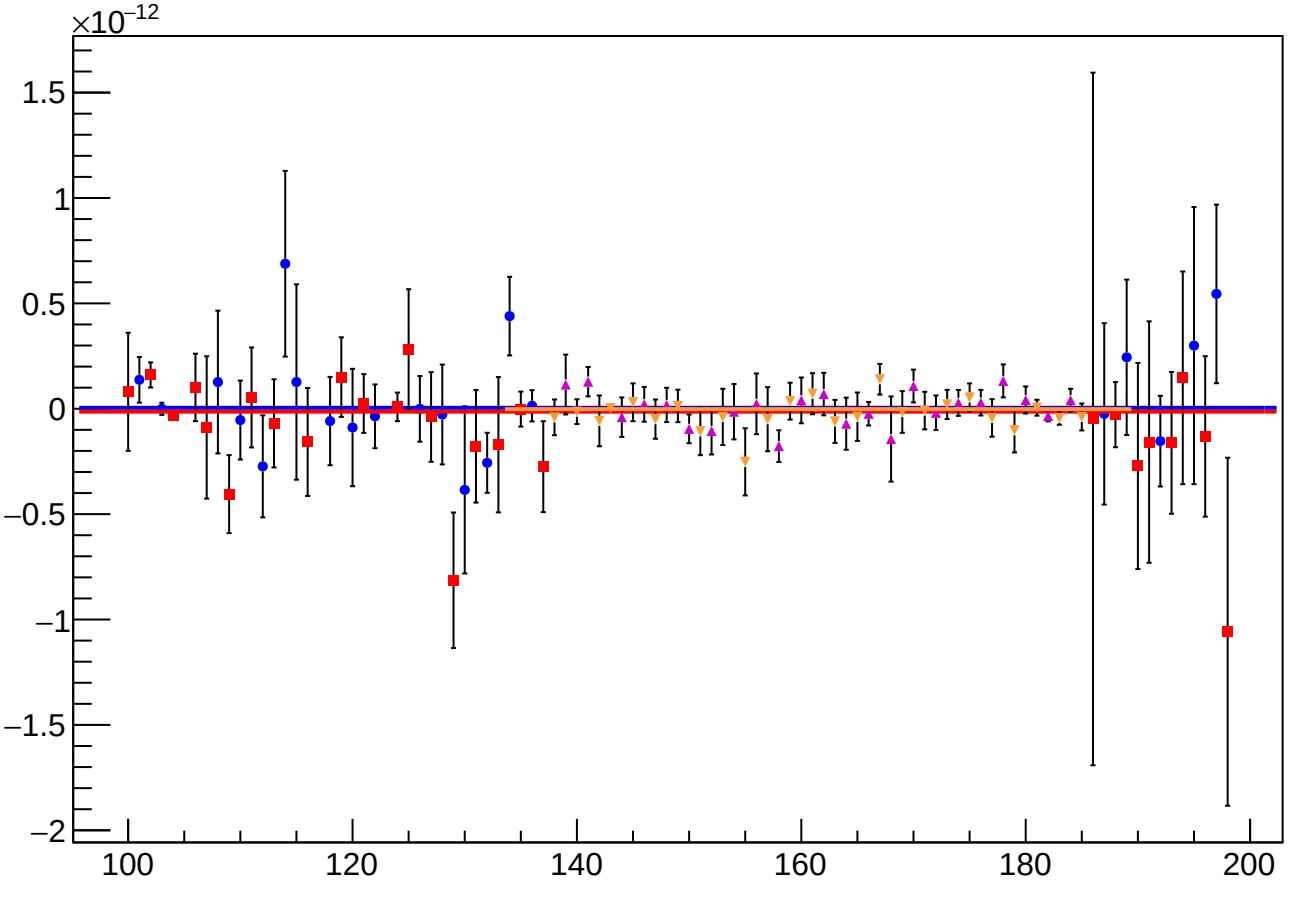
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 137.727+/-0.023 χ^2/NDF: 5385868.6/47

In: 199.875+/-0.031 χ^2/NDF:12187099.2/43

Out: 167.861+/-0.026 χ^2/NDF:19152289.4/51

All: 181.467+/-0.020 χ^2/NDF: 31972841.6/95



Right In: 0.000+/-0.000 χ^2/NDF: 18.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.5/26

Left In: -0.000+/-0.000 χ^2/NDF:22.5/22

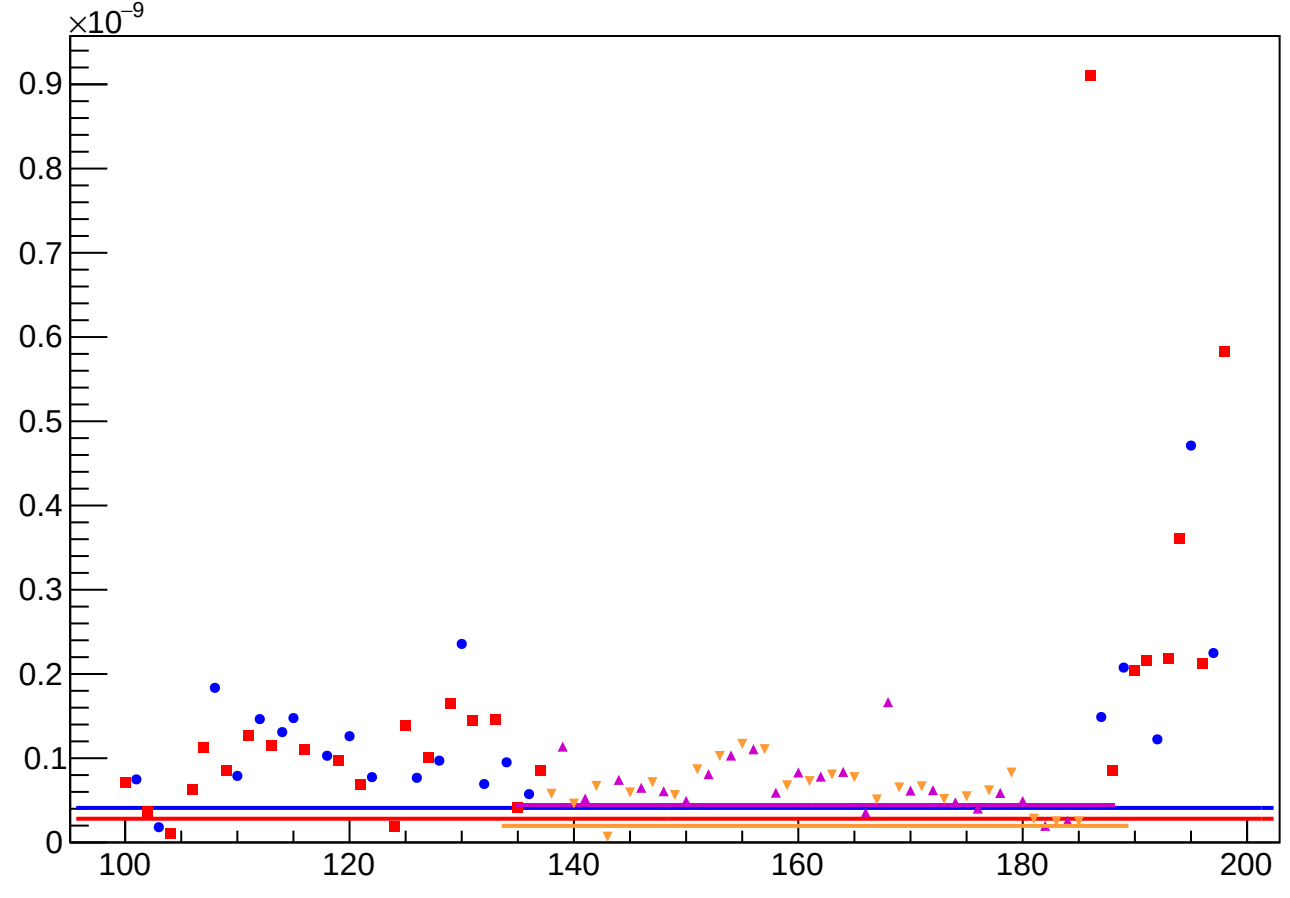
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 46.3/47

In: -0.000+/-0.000 χ^2/NDF:41.0/43

Out: -0.000+/-0.000 χ^2/NDF:41.4/51

All: -0.000+/-0.000 χ^2/NDF: 82.4/95



Right In: 0.000+/-0.000 χ^2/NDF: 6032821.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8959704.9/26

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

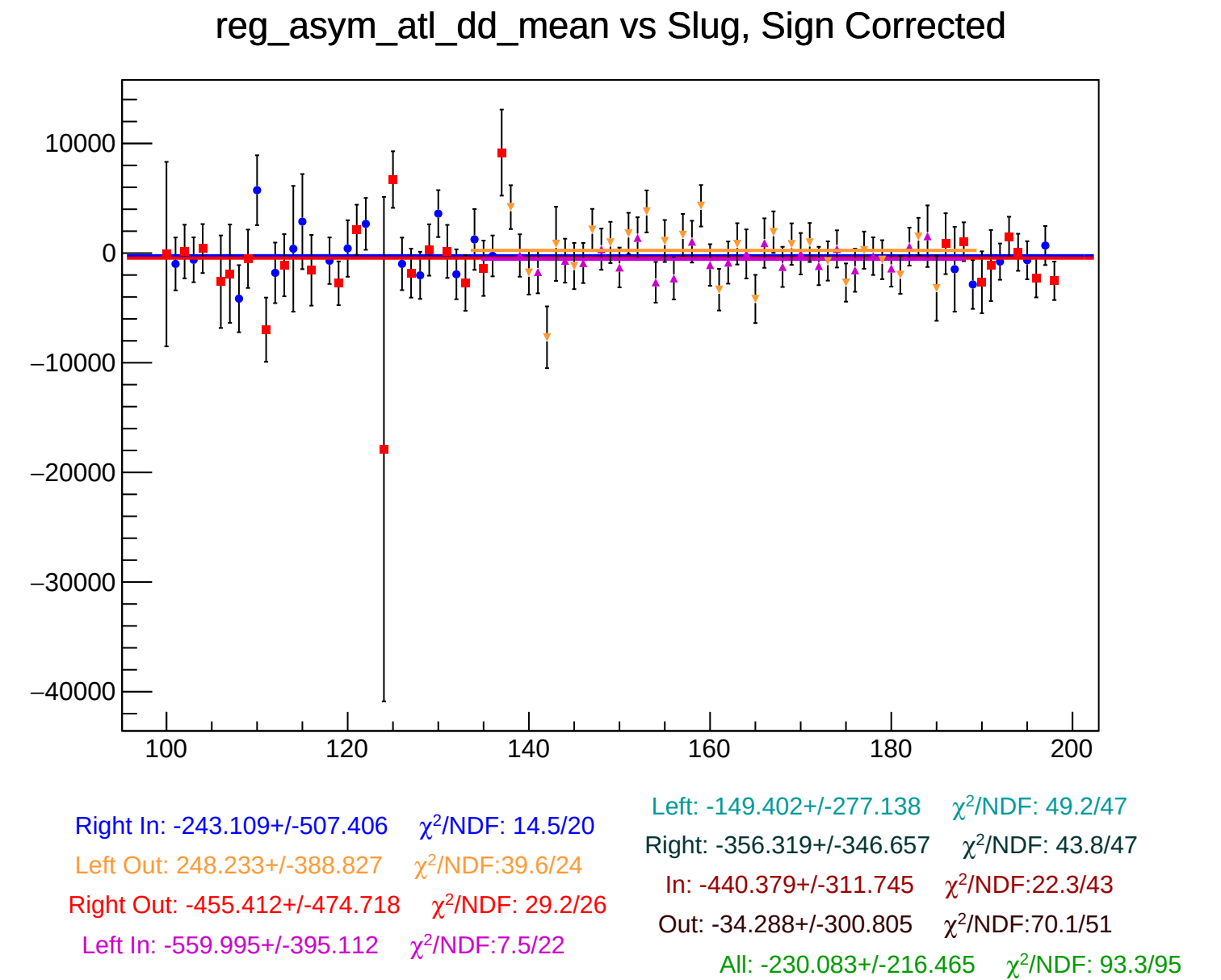
Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

Right: 0.000+/-0.000 χ^2/NDF: 15360835.5/47

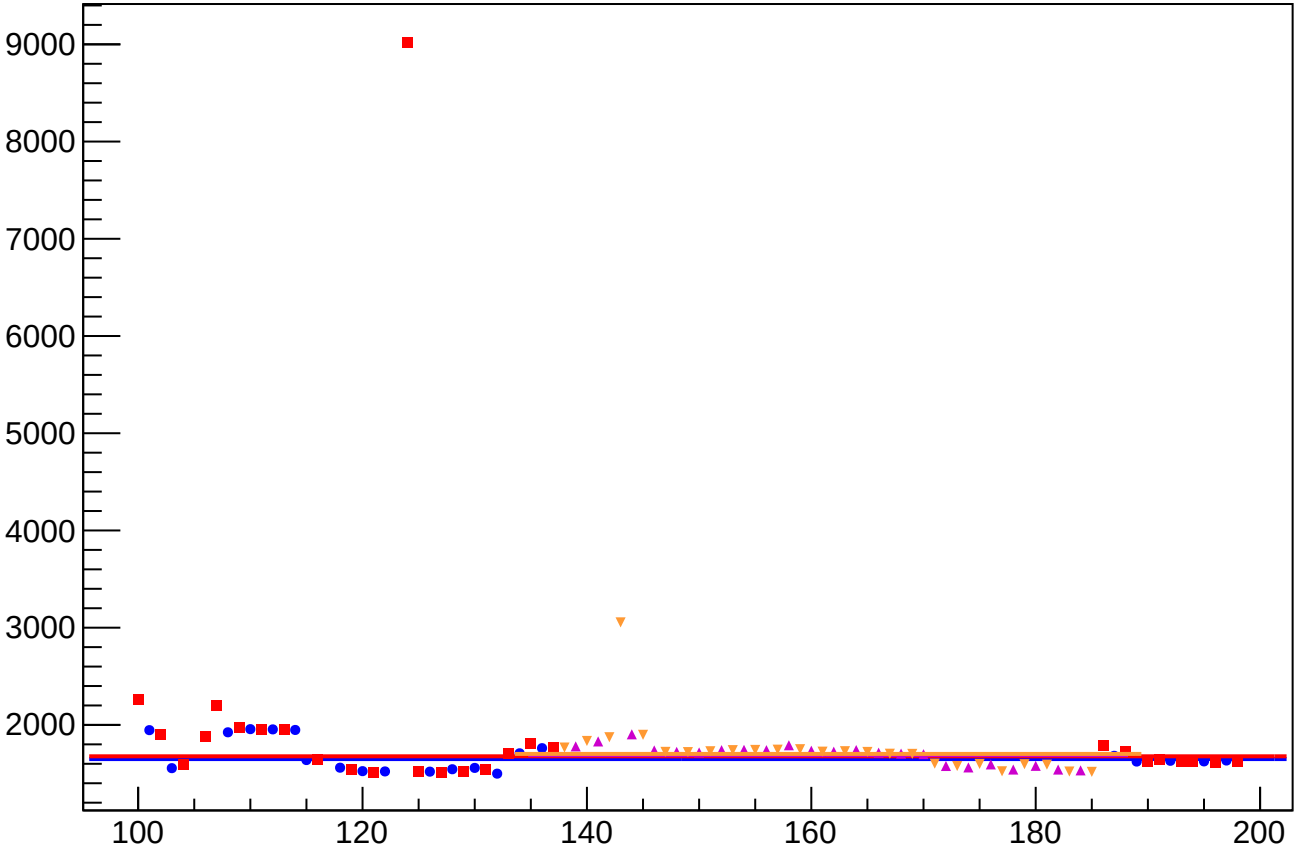
In: 0.000+/-0.000 χ^2/NDF:11984328.8/43

Out: 0.000+/-0.000 χ^2/NDF:24202255.9/51

All: 0.000+/-0.000 χ^2/NDF: 41089793.1/95


reg_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -243.109+/-507.406 χ²/NDF: 14.5/20
Left Out: 248.233+/-388.827 χ²/NDF:39.6/24
Right Out: -455.412+/-474.718 χ²/NDF: 29.2/26
Left In: -559.995+/-395.112 χ²/NDF:7.5/22
Left: -149.402+/-277.138 χ²/NDF: 49.2/47
Right: -356.319+/-346.657 χ²/NDF: 43.8/47
In: -440.379+/-311.745 χ²/NDF:22.3/43
Out: -34.288+/-300.805 χ²/NDF:70.1/51
All: -230.083+/-216.465 χ²/NDF: 93.3/95

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1648.645+/-0.359 χ^2/NDF: 145517.7/20

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1677.044+/-0.335 χ^2/NDF: 401265.5/26

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

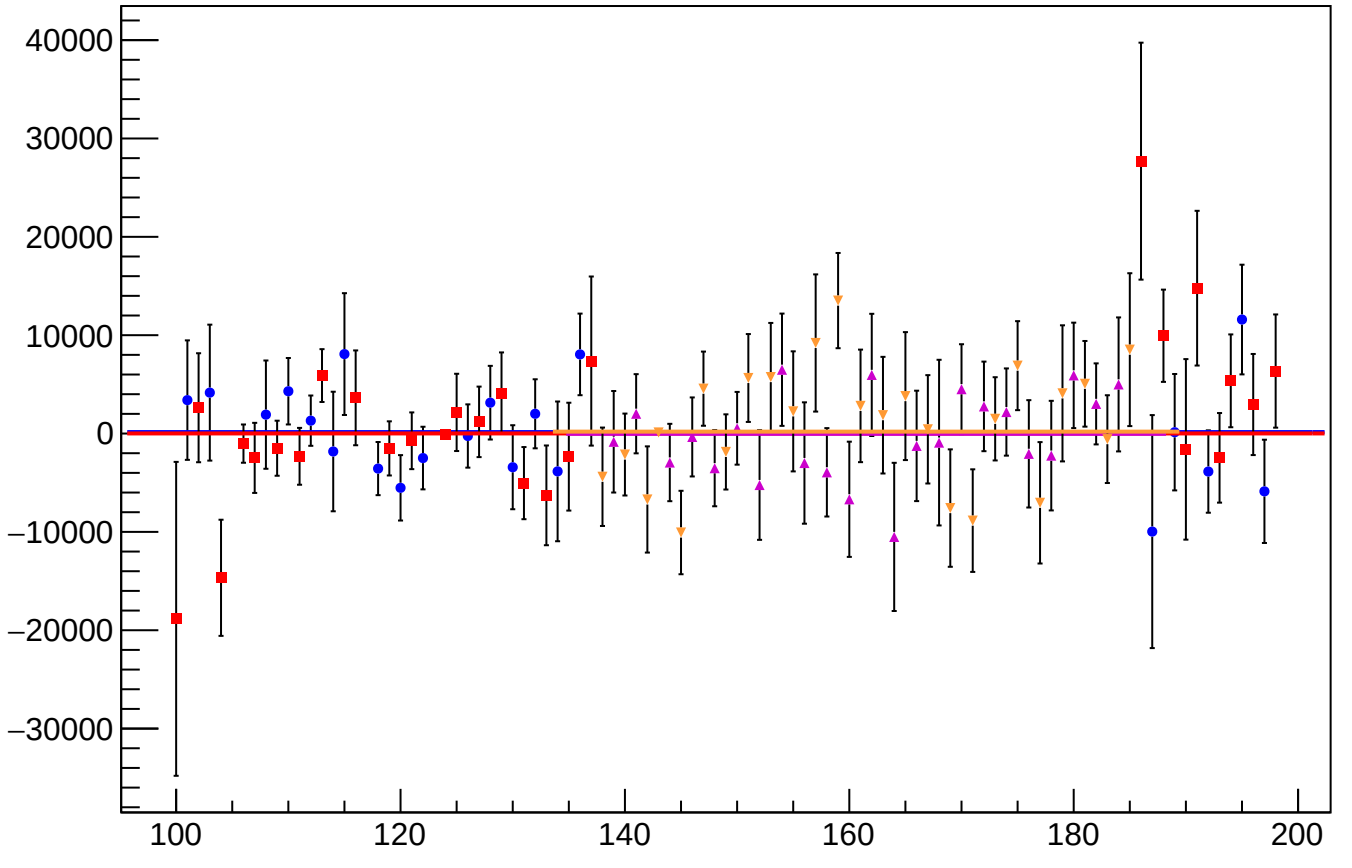
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1663.825+/-0.245 χ^2/NDF: 550132.1/47

In: 1673.928+/-0.220 χ^2/NDF:275812.4/43

Out: 1691.699+/-0.212 χ^2/NDF:856852.9/51

All: 1683.140+/-0.153 χ^2/NDF: 1136034.3/95



Right In: 148.940+/-896.662 χ^2/NDF: 22.4/20

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: 9.117+/-319.694 χ^2/NDF: 37.5/26

Left In: -28.728+/-1025.481 χ^2/NDF:13.3/22

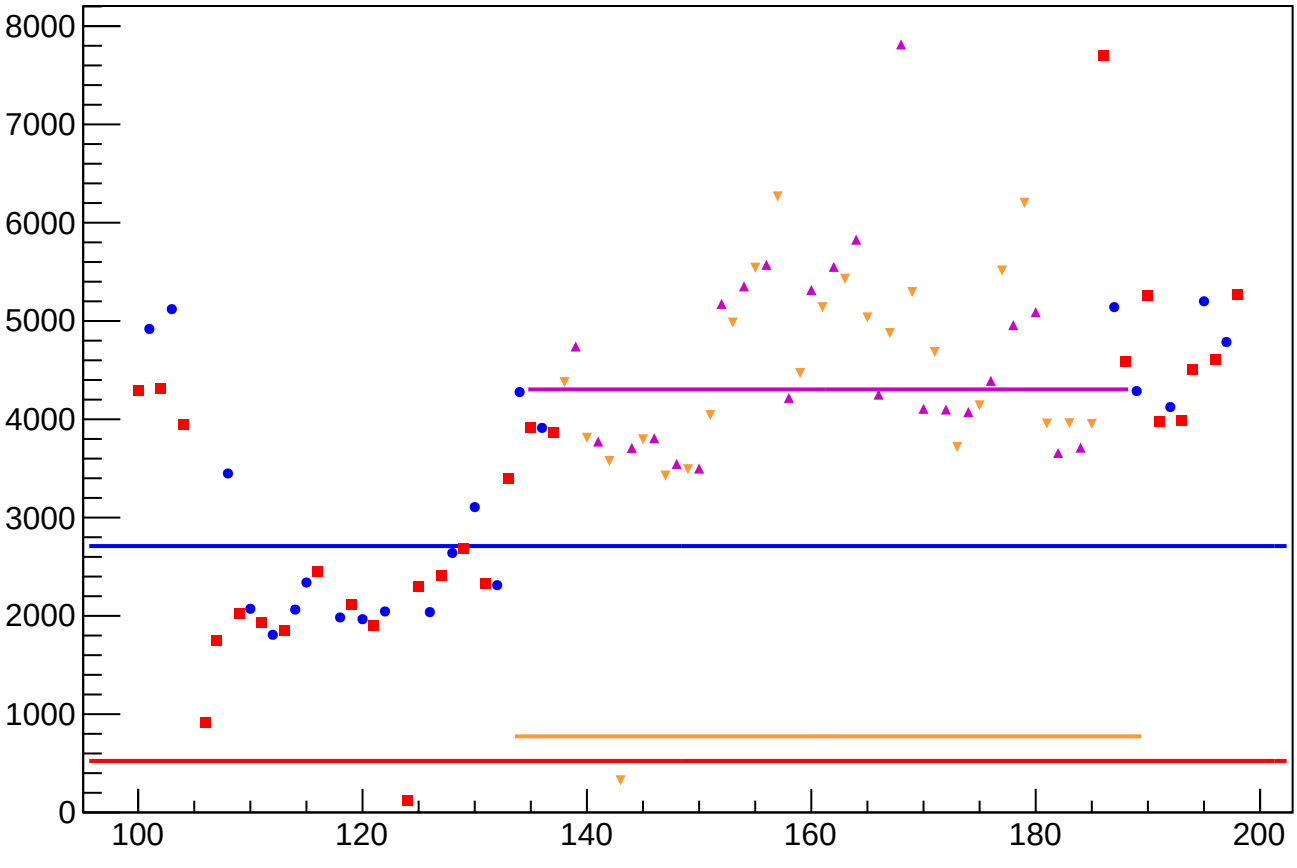
Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

Right: 24.887+/-301.127 χ^2/NDF: 59.9/47

In: 71.960+/-675.014 χ^2/NDF:35.7/43

Out: 94.799+/-233.905 χ^2/NDF:71.5/51

All: 92.350+/-221.012 χ^2/NDF: 107.2/95



Right In: 2710.204+/-0.634 χ^2/NDF: 2788204.5/20

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 524.038+/-0.226 χ^2/NDF: 19605415.9/26

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

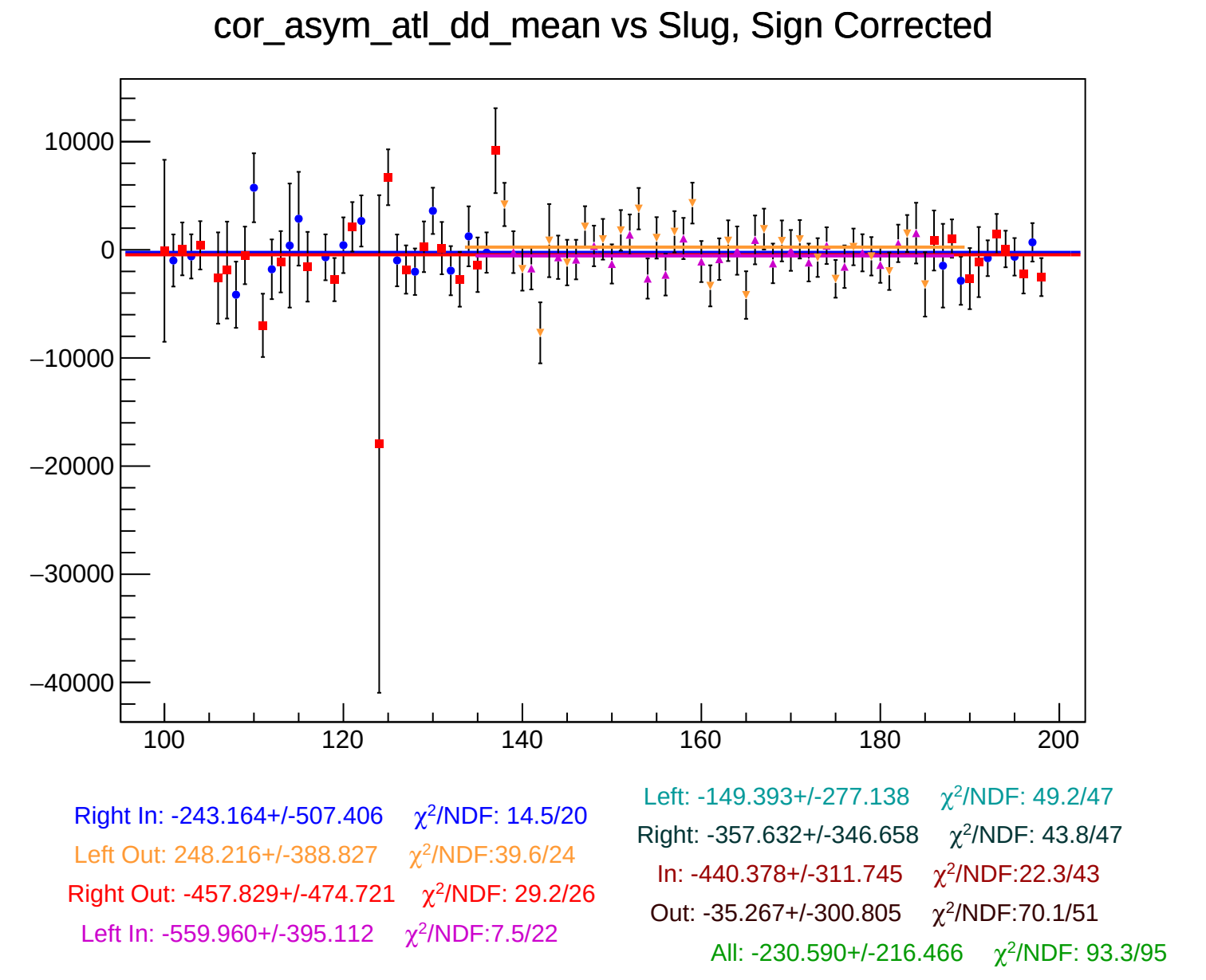
Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

Right: 770.600+/-0.213 χ^2/NDF: 32941593.6/47

In: 3400.769+/-0.477 χ^2/NDF:6742643.0/43

Out: 640.299+/-0.165 χ^2/NDF:48260213.5/51

All: 936.230+/-0.156 χ^2/NDF: 84865174.8/95


cor_asym_atl_dd_mean vs Slug, Sign Corrected
10000
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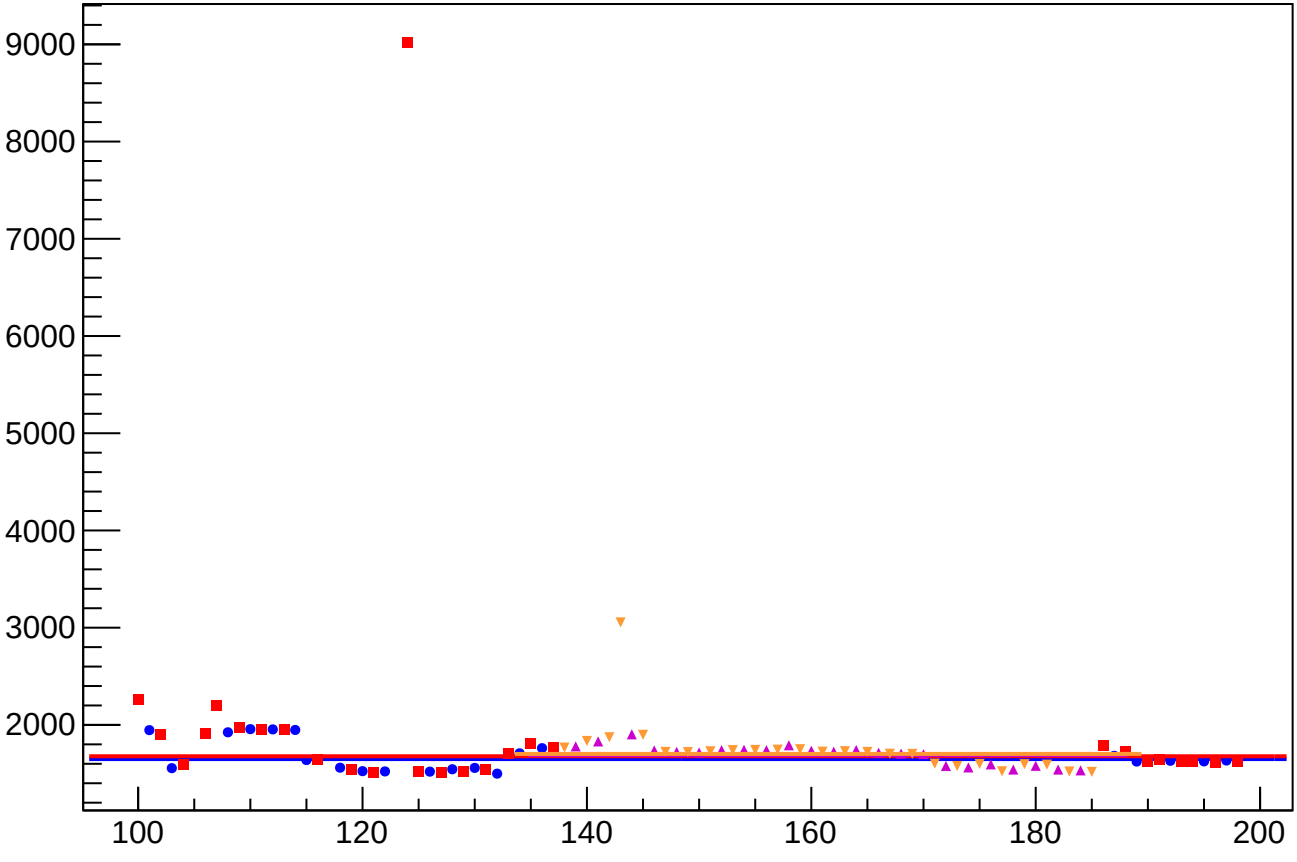
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -243.164+/-507.406 χ²/NDF: 14.5/20
Left Out: 248.216+/-388.827 χ²/NDF:39.6/24
Right Out: -457.829+/-474.721 χ²/NDF: 29.2/26
Left In: -559.960+/-395.112 χ²/NDF:7.5/22
Left: -149.393+/-277.138 χ²/NDF: 49.2/47
Right: -357.632+/-346.658 χ²/NDF: 43.8/47
In: -440.378+/-311.745 χ²/NDF:22.3/43
Out: -35.267+/-300.805 χ²/NDF:70.1/51
All: -230.590+/-216.466 χ²/NDF: 93.3/95

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1648.645+/-0.359 χ^2/NDF: 145517.7/20

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1677.480+/-0.335 χ^2/NDF: 403171.8/26

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

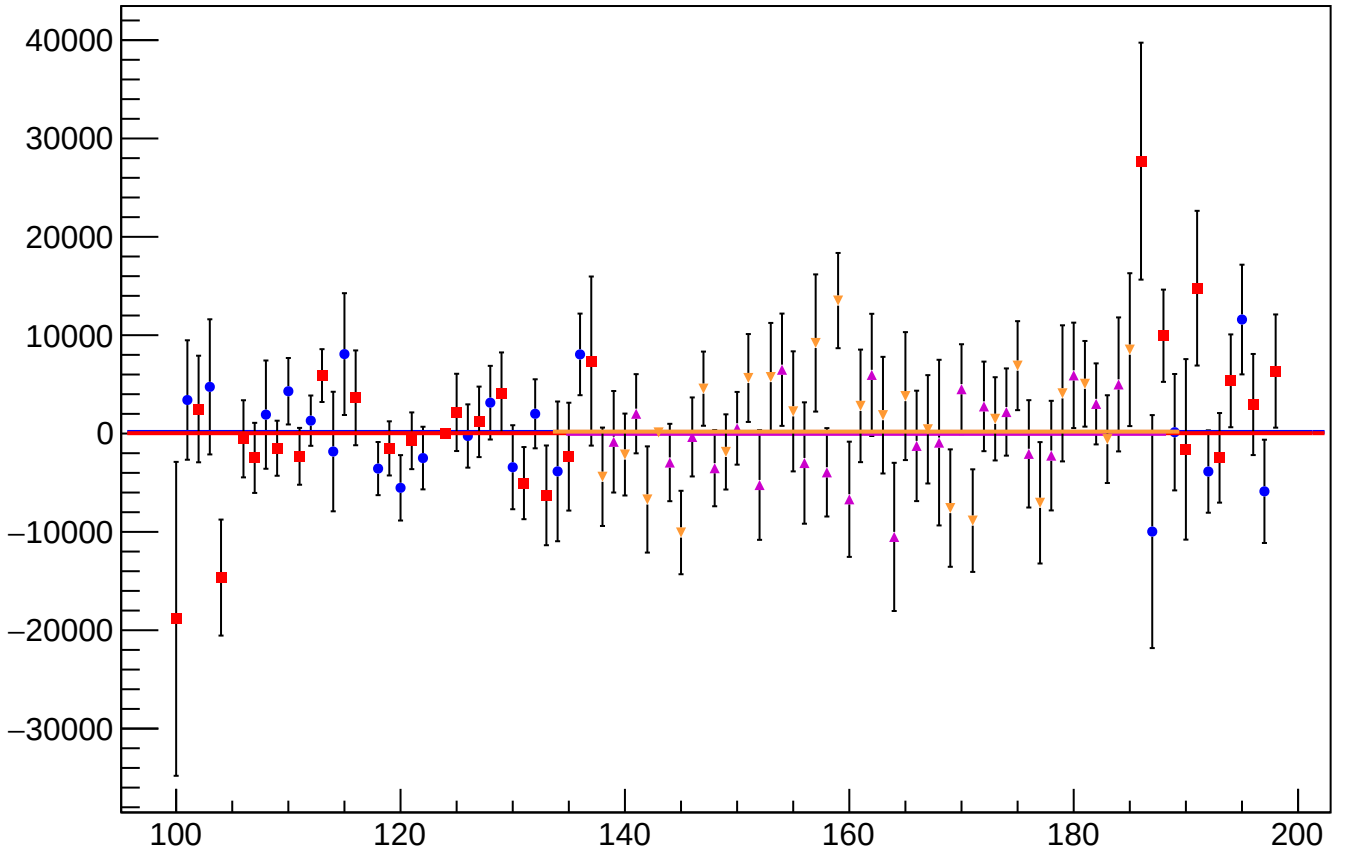
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1664.055+/-0.245 χ^2/NDF: 552141.3/47

In: 1673.928+/-0.220 χ^2/NDF:275812.4/43

Out: 1691.878+/-0.213 χ^2/NDF:858645.0/51

All: 1683.232+/-0.153 χ^2/NDF: 1137894.4/95



Right In: 159.939+/-896.566 χ^2/NDF: 22.5/20

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 35.289+/-312.023 χ^2/NDF: 37.2/26

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

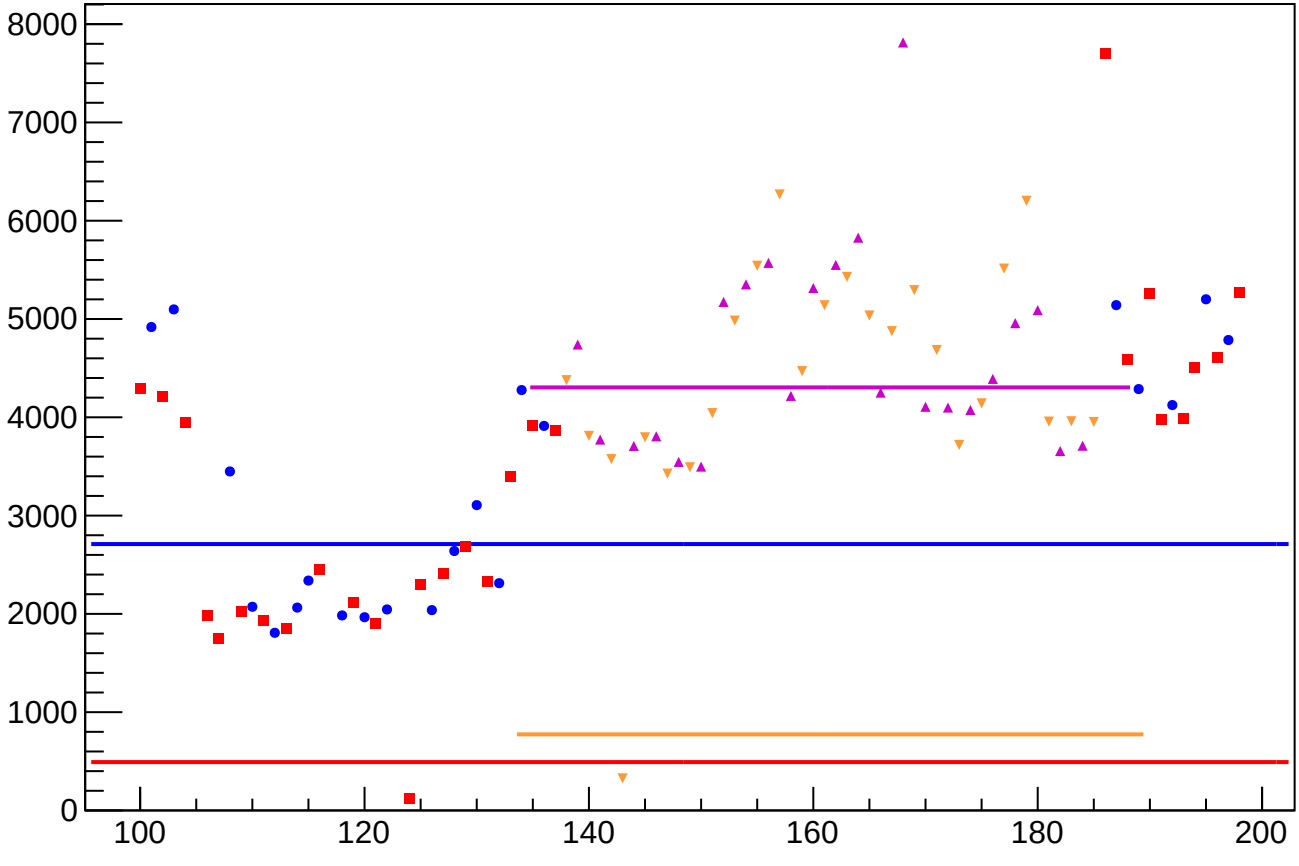
Right: 48.755+/-294.687 χ^2/NDF: 59.7/47

In: 78.186+/-674.972 χ^2/NDF:35.8/43

Out: 107.093+/-230.842 χ^2/NDF:71.2/51

All: 104.066+/-218.422 χ^2/NDF: 107.0/95

asym_atl_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 2710.289+/-0.634 χ^2/NDF: 2786357.1/20

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 492.142+/-0.221 χ^2/NDF: 20069329.6/26

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

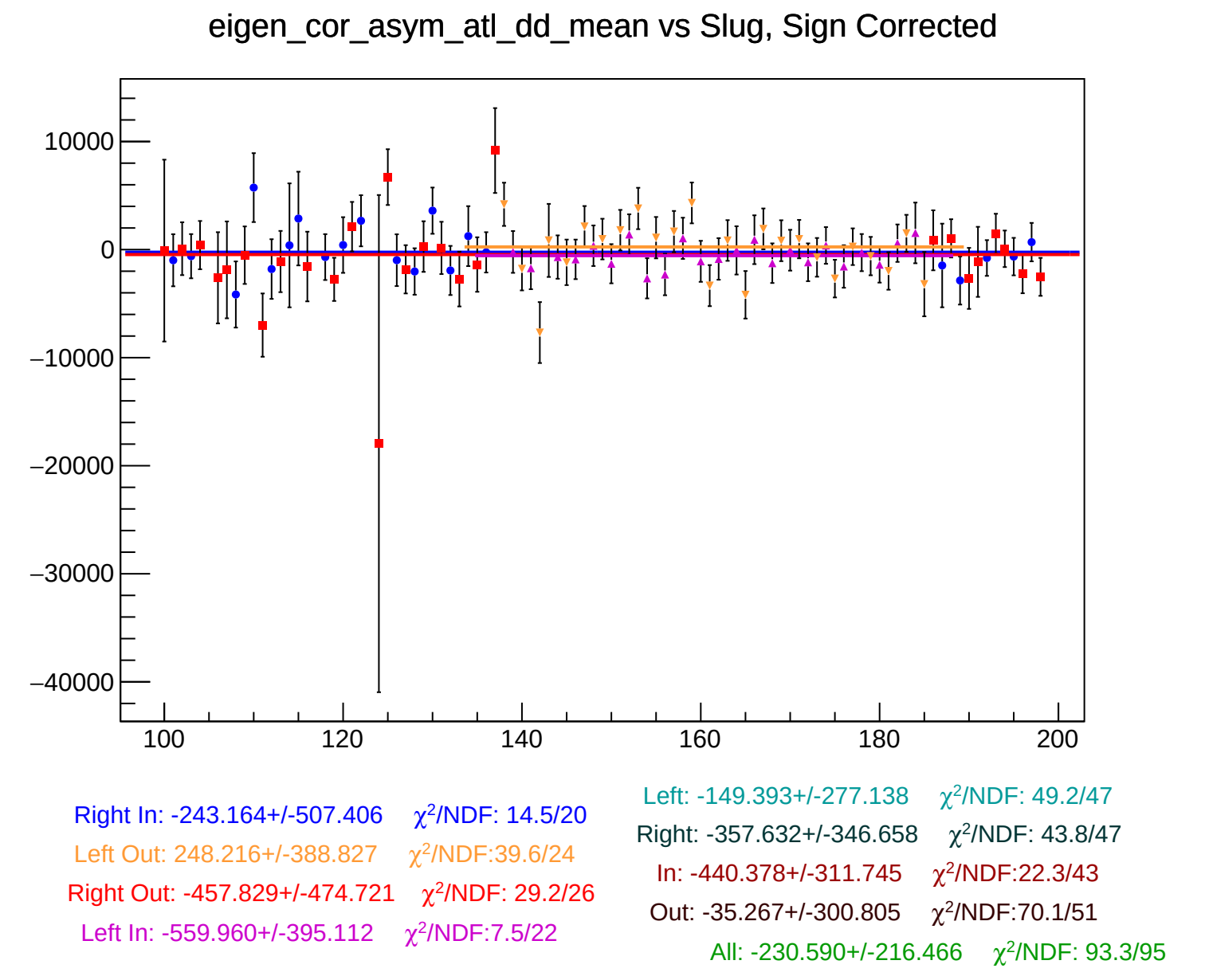
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 731.775+/-0.208 χ^2/NDF: 33774997.2/47

In: 3400.732+/-0.477 χ^2/NDF:6740738.0/43

Out: 619.792+/-0.163 χ^2/NDF:48895273.0/51

All: 911.005+/-0.154 χ^2/NDF: 86030955.4/95


eigen_cor_asym_atl_dd_mean vs Slug, Sign Corrected
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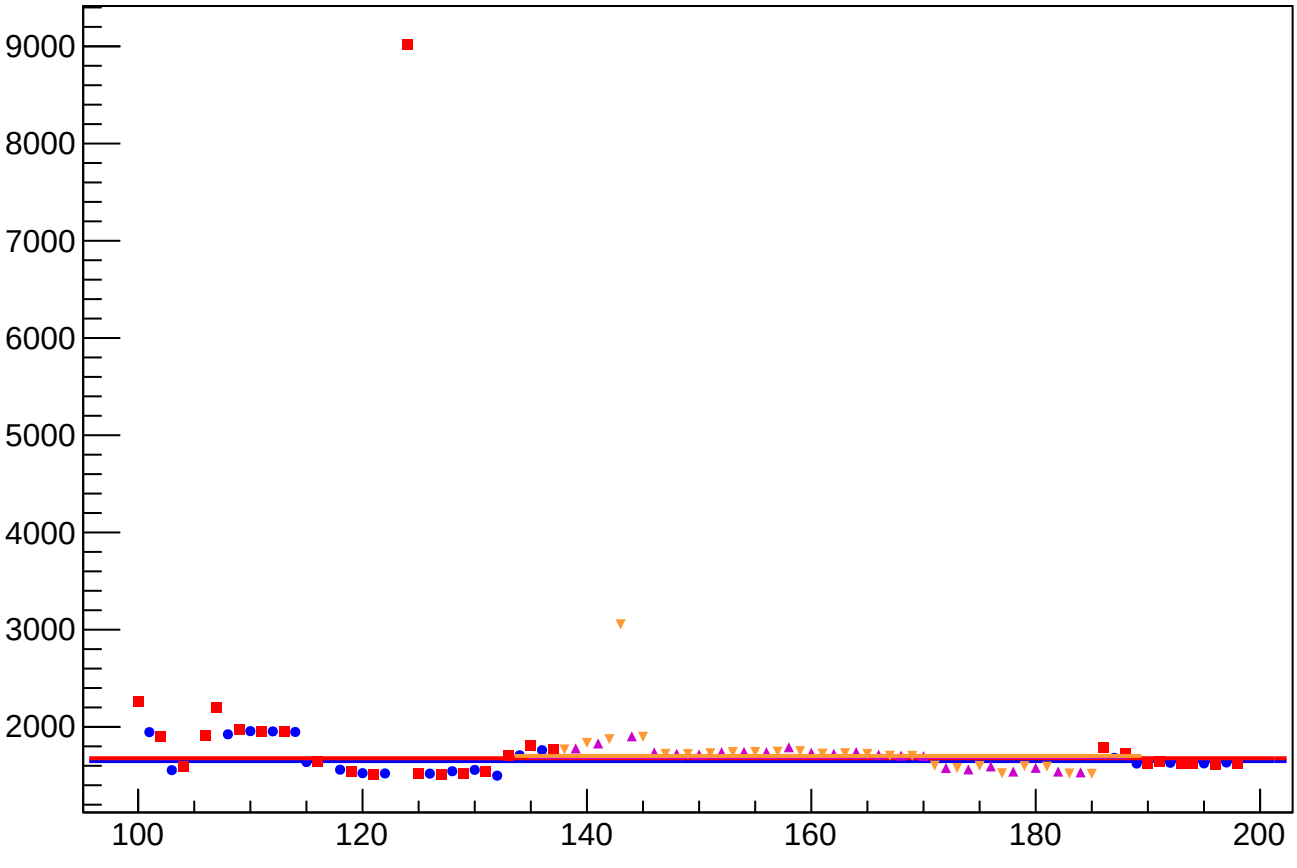
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -243.164+/-507.406 χ²/NDF: 14.5/20
Left Out: 248.216+/-388.827 χ²/NDF:39.6/24
Right Out: -457.829+/-474.721 χ²/NDF: 29.2/26
Left In: -559.960+/-395.112 χ²/NDF:7.5/22
Left: -149.393+/-277.138 χ²/NDF: 49.2/47
Right: -357.632+/-346.658 χ²/NDF: 43.8/47
In: -440.378+/-311.745 χ²/NDF:22.3/43
Out: -35.267+/-300.805 χ²/NDF:70.1/51
All: -230.590+/-216.466 χ²/NDF: 93.3/95



Right In: 1648.645+/-0.359 χ^2/NDF: 145517.7/20

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1677.480+/-0.335 χ^2/NDF: 403171.8/26

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

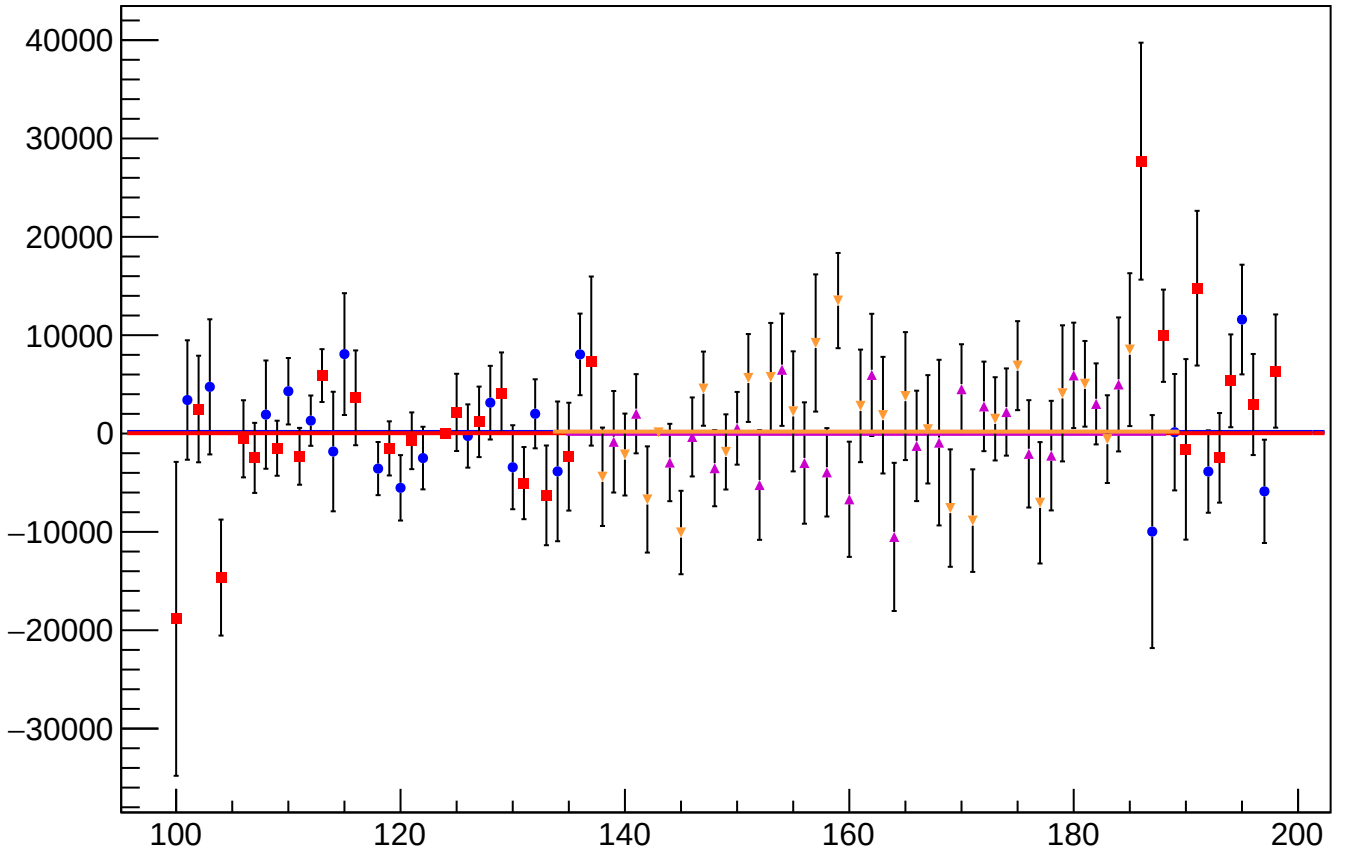
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1664.055+/-0.245 χ^2/NDF: 552141.3/47

In: 1673.928+/-0.220 χ^2/NDF:275812.4/43

Out: 1691.878+/-0.213 χ^2/NDF:858645.0/51

All: 1683.232+/-0.153 χ^2/NDF: 1137894.4/95



Right In: 159.939+/-896.566 χ^2/NDF: 22.5/20

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 35.289+/-312.023 χ^2/NDF: 37.2/26

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

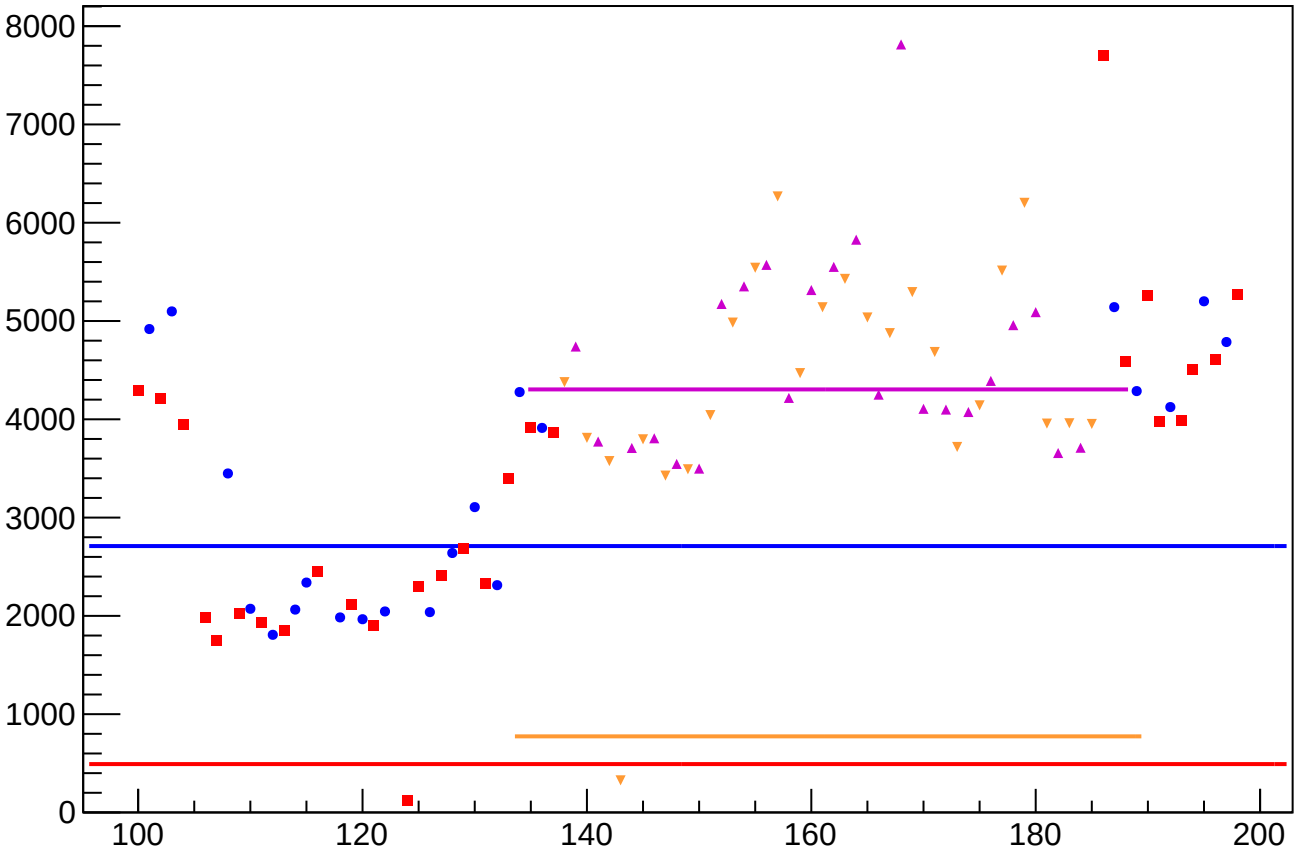
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: 48.755+/-294.687 χ^2/NDF: 59.7/47

In: 78.186+/-674.972 χ^2/NDF:35.8/43

Out: 107.093+/-230.842 χ^2/NDF:71.2/51

All: 104.066+/-218.422 χ^2/NDF: 107.0/95



Right In: 2710.289+/-0.634 χ^2/NDF: 2786357.1/20

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 492.142+/-0.221 χ^2/NDF: 20069329.6/26

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

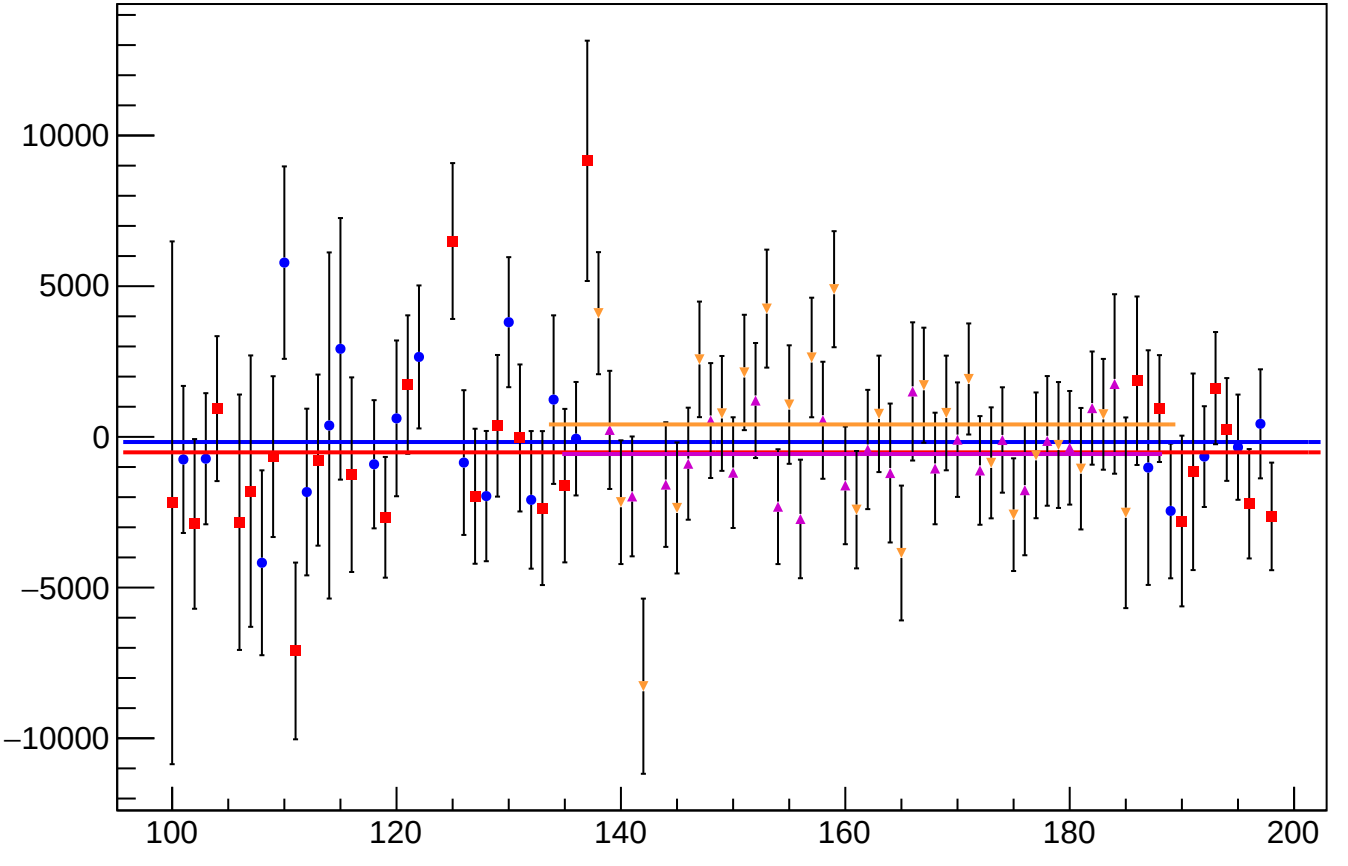
Right: 731.775+/-0.208 χ^2/NDF: 33774997.2/47

In: 3400.732+/-0.477 χ^2/NDF:6740738.0/43

Out: 619.792+/-0.163 χ^2/NDF:48895273.0/51

All: 911.005+/-0.154 χ^2/NDF: 86030955.4/95

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -170.595+/-512.441 χ^2/NDF: 14.2/20

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: -512.949+/-481.337 χ^2/NDF: 29.2/25

Left In: -568.823+/-412.052 χ^2/NDF:7.7/22

Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

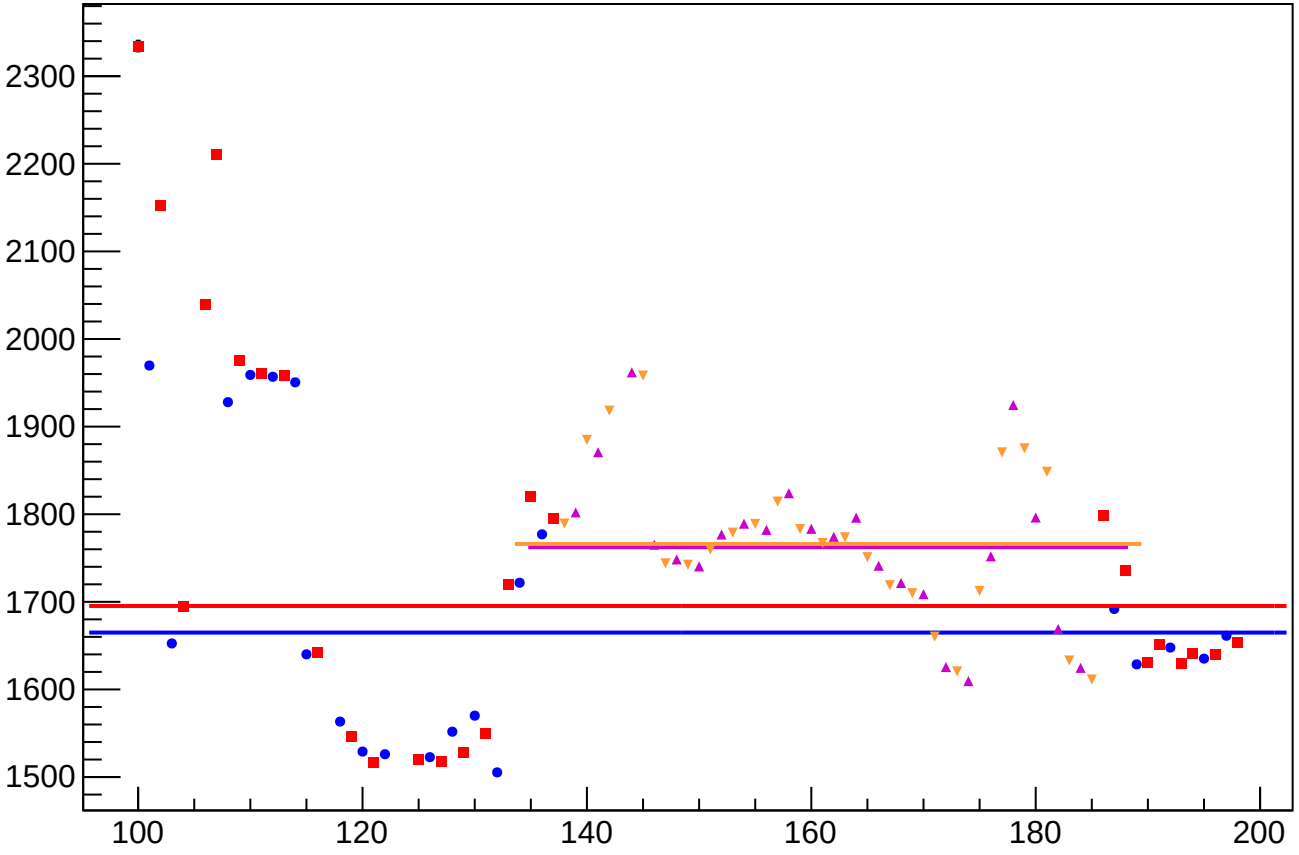
Right: -352.477+/-350.837 χ^2/NDF: 43.6/46

In: -412.448+/-321.116 χ^2/NDF:22.3/43

Out: 23.250+/-312.355 χ^2/NDF:71.3/49

All: -188.574+/-223.901 χ^2/NDF: 94.6/93

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1664.914+/-0.362 χ^2/NDF: 142691.7/20

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1695.302+/-0.340 χ^2/NDF: 242756.2/25

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

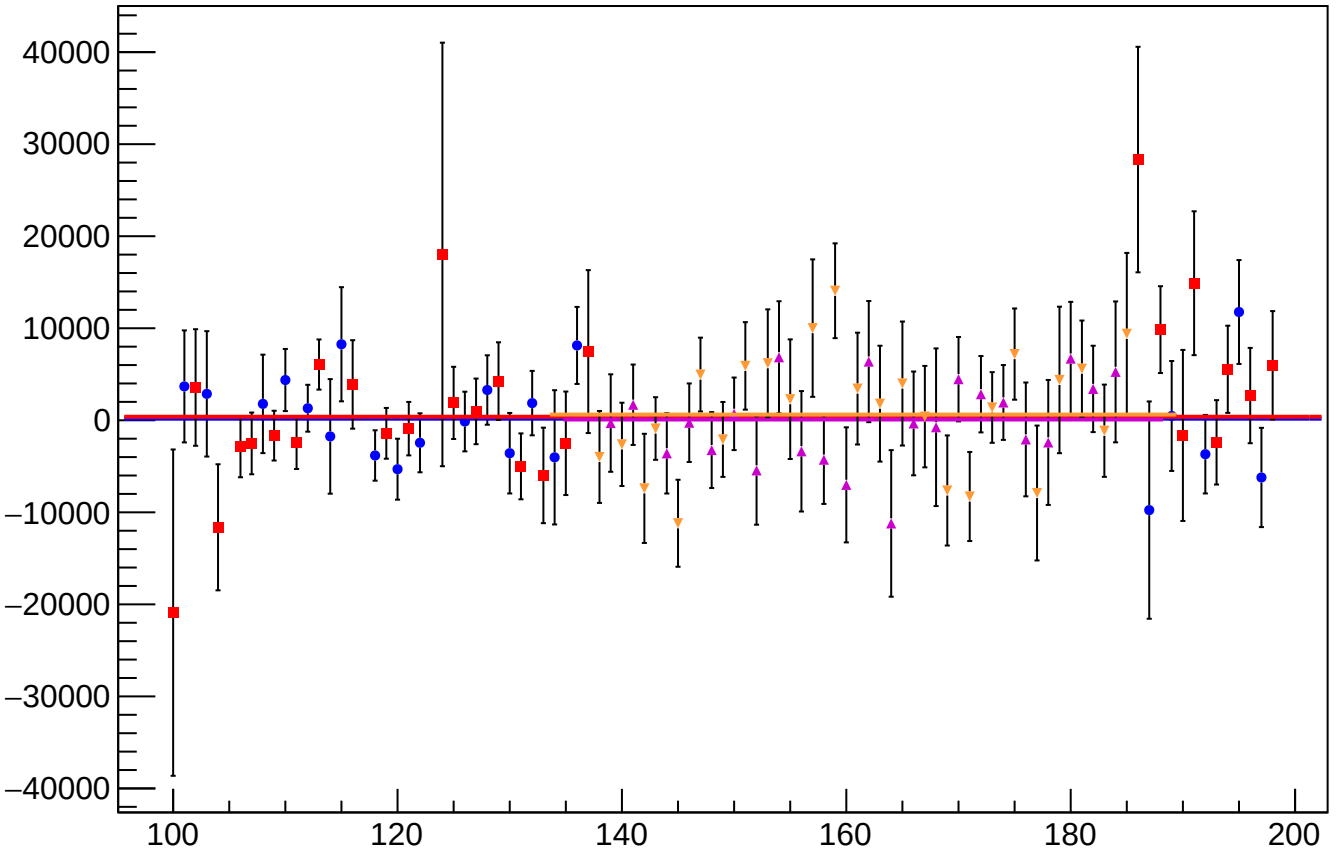
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1681.078+/-0.248 χ^2/NDF: 389188.8/46

In: 1724.123+/-0.227 χ^2/NDF:266745.9/43

Out: 1736.250+/-0.221 χ^2/NDF:351104.4/49

All: 1730.357+/-0.158 χ^2/NDF: 619316.8/93



Right In: 174.645+/-901.484 χ^2/NDF: 22.4/20

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: 383.675+/-811.742 χ^2/NDF: 35.2/26

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

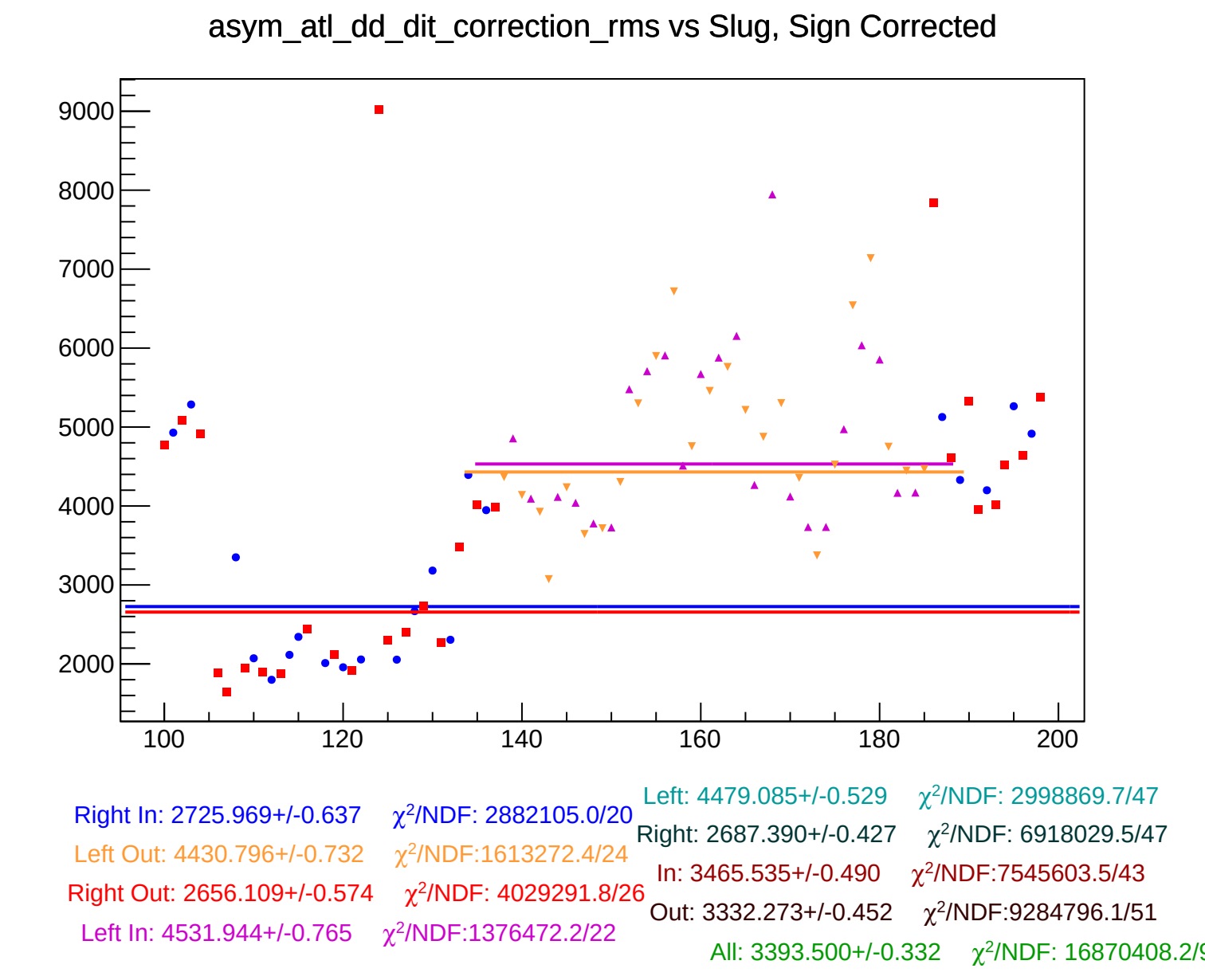
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: 290.079+/-603.228 χ^2/NDF: 57.7/47

In: 138.144+/-692.730 χ^2/NDF:35.3/43

Out: 473.586+/-638.648 χ^2/NDF:68.3/51

All: 319.468+/-469.549 χ^2/NDF: 103.8/95


asym_atl_dd_dit_correction_rms vs Slug, Sign Corrected
9000
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140
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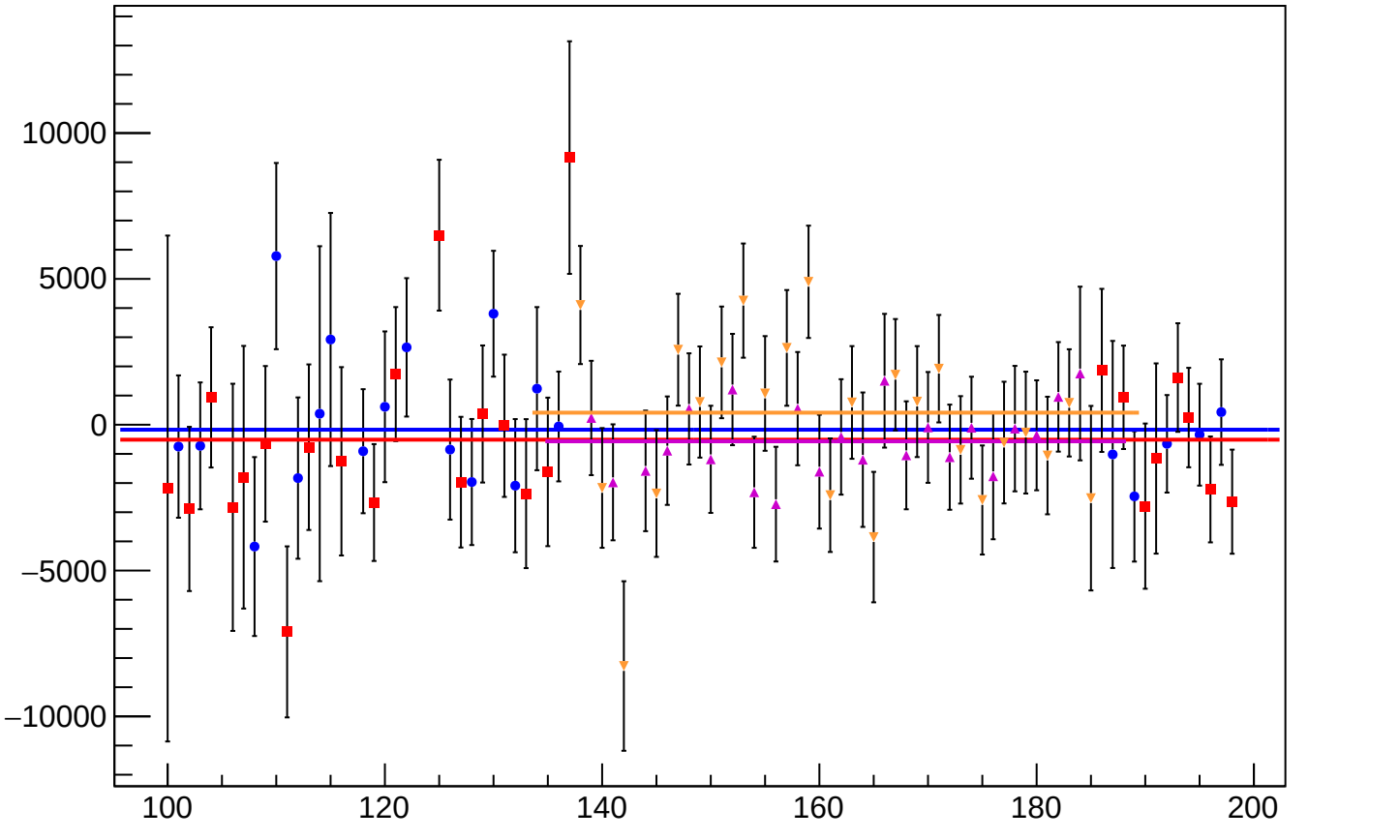
180
200
Right In: 2725.969+/-0.637 χ²/NDF: 2882105.0/20
Left Out: 4430.796+/-0.732 χ²/NDF:1613272.4/24
Right Out: 2656.109+/-0.574 χ²/NDF: 4029291.8/26
Left In: 4531.944+/-0.765 χ²/NDF:1376472.2/22
Left: 4479.085+/-0.529 χ²/NDF: 2998869.7/47
Right: 2687.390+/-0.427 χ²/NDF: 6918029.5/47
In: 3465.535+/-0.490 χ²/NDF:7545603.5/43
Out: 3332.273+/-0.452 χ²/NDF:9284796.1/51
All: 3393.500+/-0.332 χ²/NDF: 16870408.2/9



Right In: -170.595+/-512.441 χ^2/NDF: 14.2/20

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: -512.949+/-481.337 χ^2/NDF: 29.2/25

Left In: -568.821+/-412.052 χ^2/NDF:7.7/22

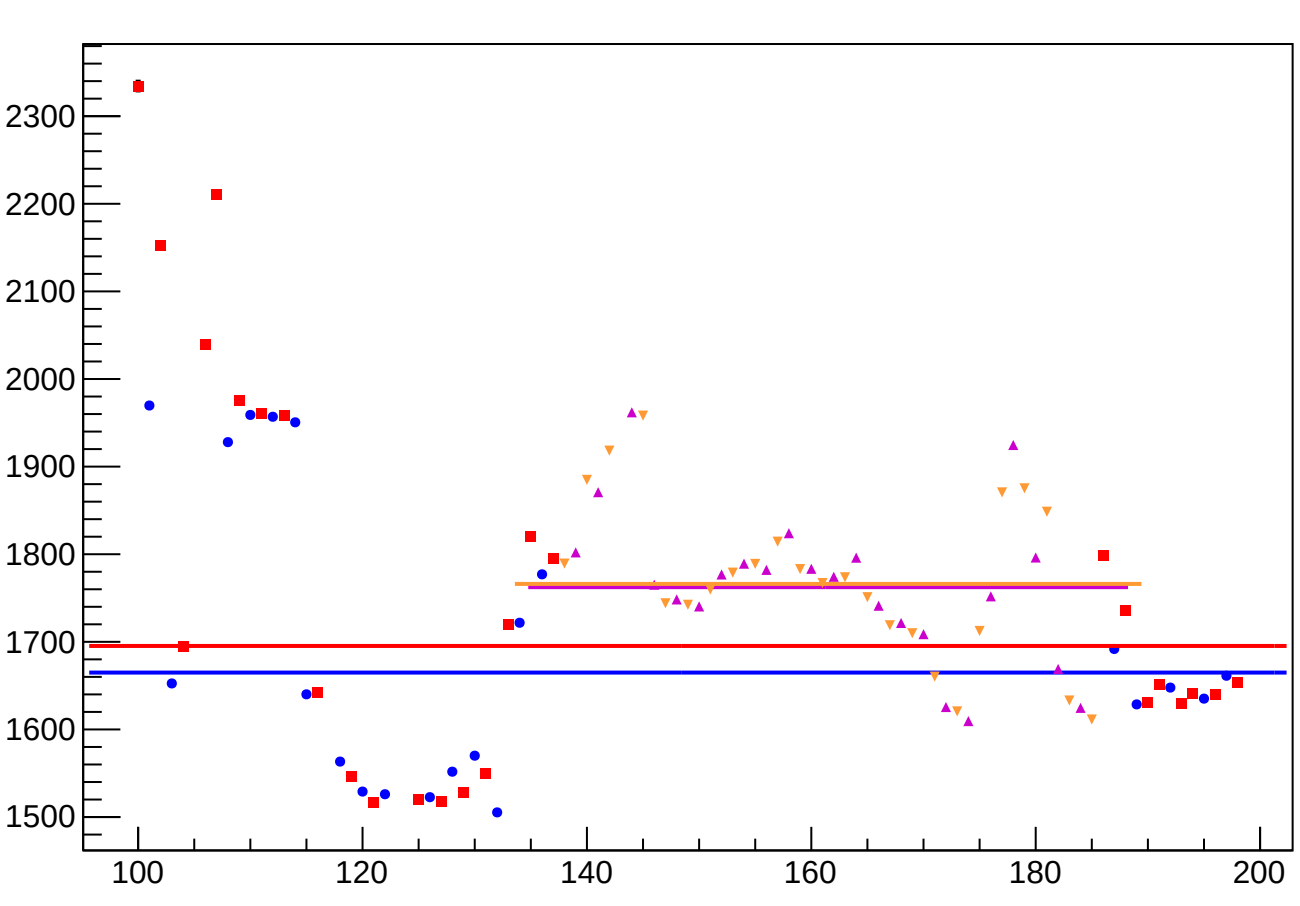
Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

Right: -352.477+/-350.837 χ^2/NDF: 43.6/46

In: -412.447+/-321.116 χ^2/NDF:22.3/43

Out: 23.251+/-312.355 χ^2/NDF:71.3/49

All: -188.573+/-223.901 χ^2/NDF: 94.6/93



Right In: 1664.914+/-0.362 χ^2/NDF: 142691.7/20

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1695.302+/-0.340 χ^2/NDF: 242755.2/25

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

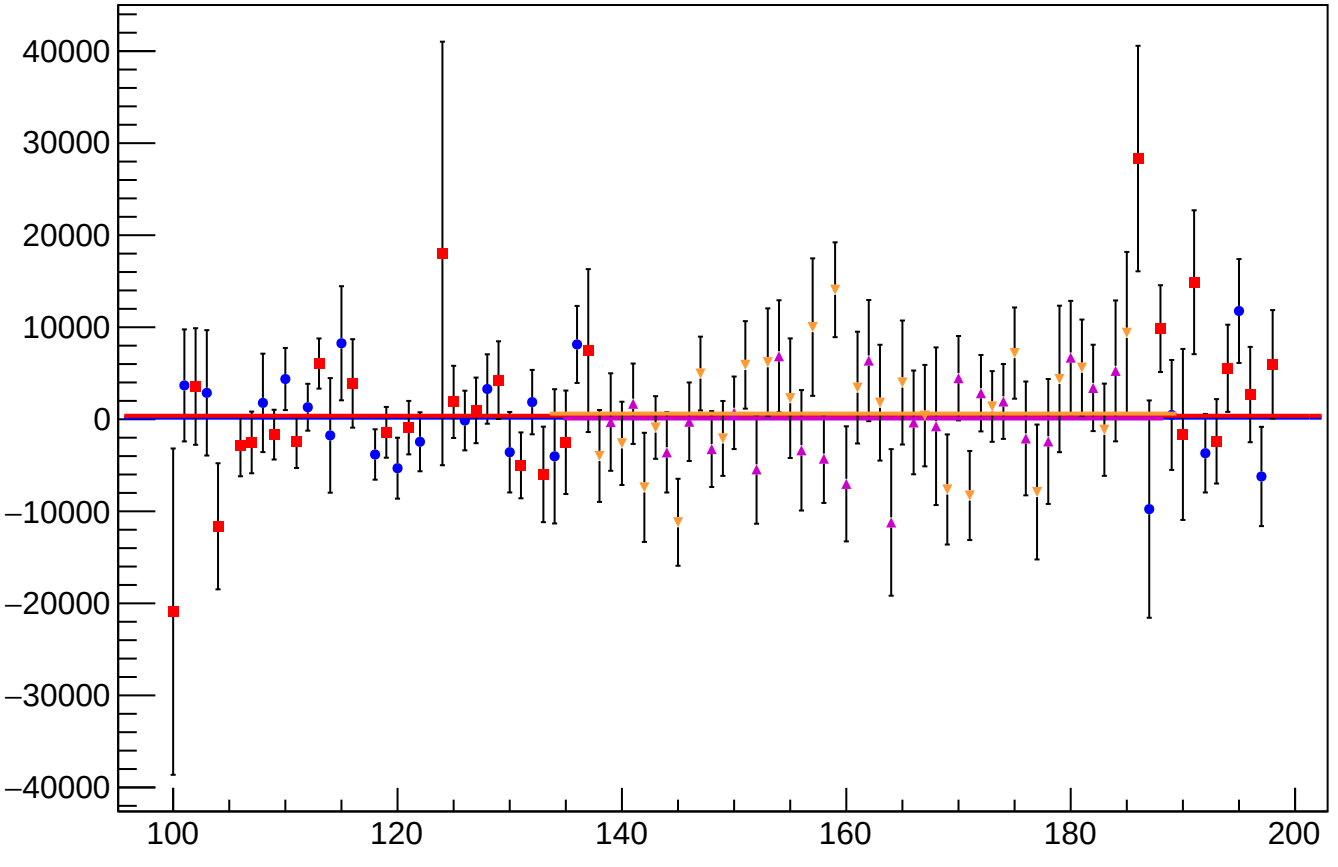
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1681.078+/-0.248 χ^2/NDF: 389187.9/46

In: 1724.123+/-0.227 χ^2/NDF:266749.4/43

Out: 1736.251+/-0.221 χ^2/NDF:351107.1/49

All: 1730.358+/-0.158 χ^2/NDF: 619323.1/93



Right In: 174.640+/-901.481 χ^2/NDF: 22.4/20

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: 383.669+/-811.740 χ^2/NDF: 35.2/26

Left In: 85.511+/-1082.509 χ^2/NDF:12.9/22

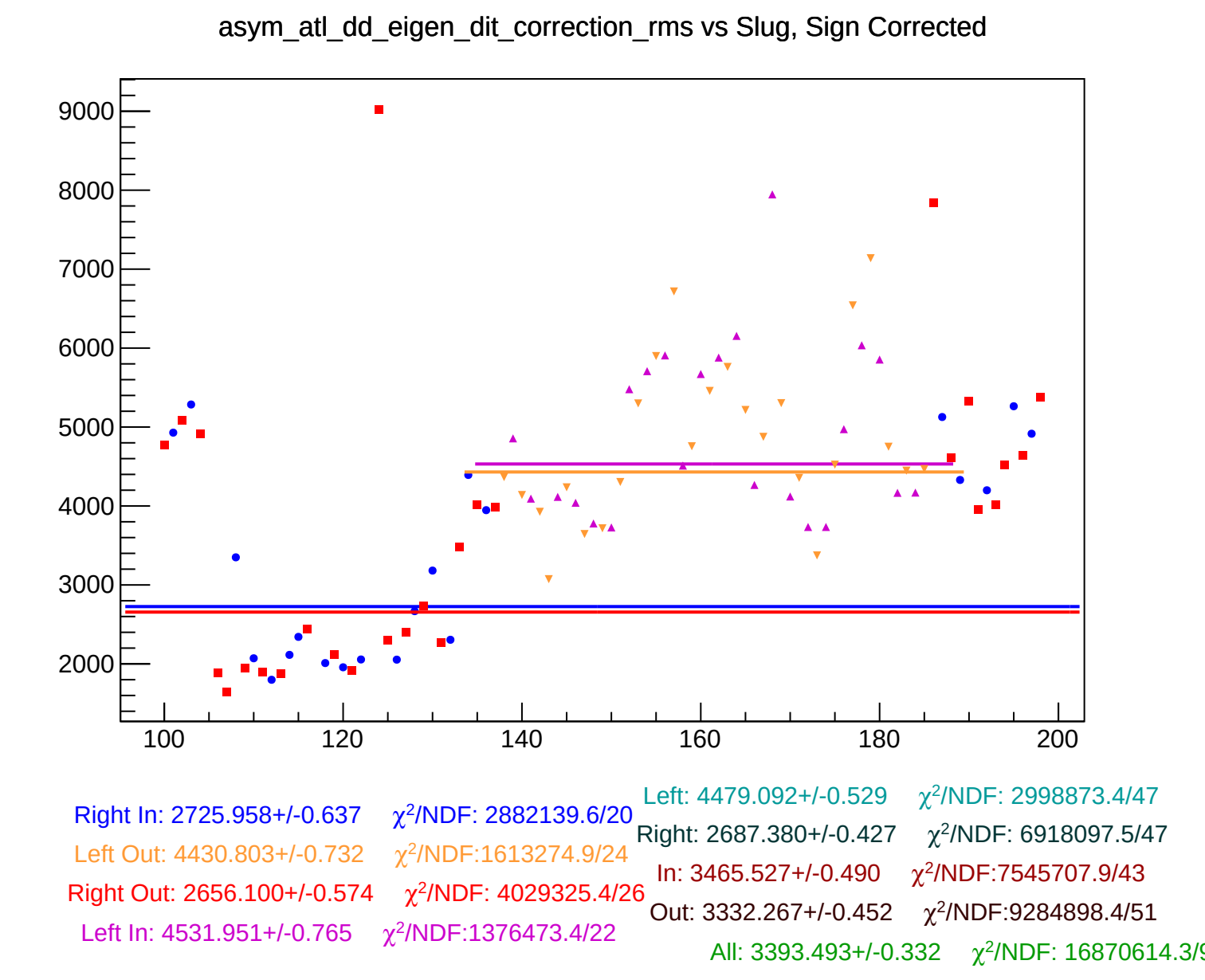
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: 290.073+/-603.226 χ^2/NDF: 57.7/47

In: 138.141+/-692.729 χ^2/NDF:35.3/43

Out: 473.583+/-638.648 χ^2/NDF:68.3/51

All: 319.465+/-469.549 χ^2/NDF: 103.8/95


asym_atl_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
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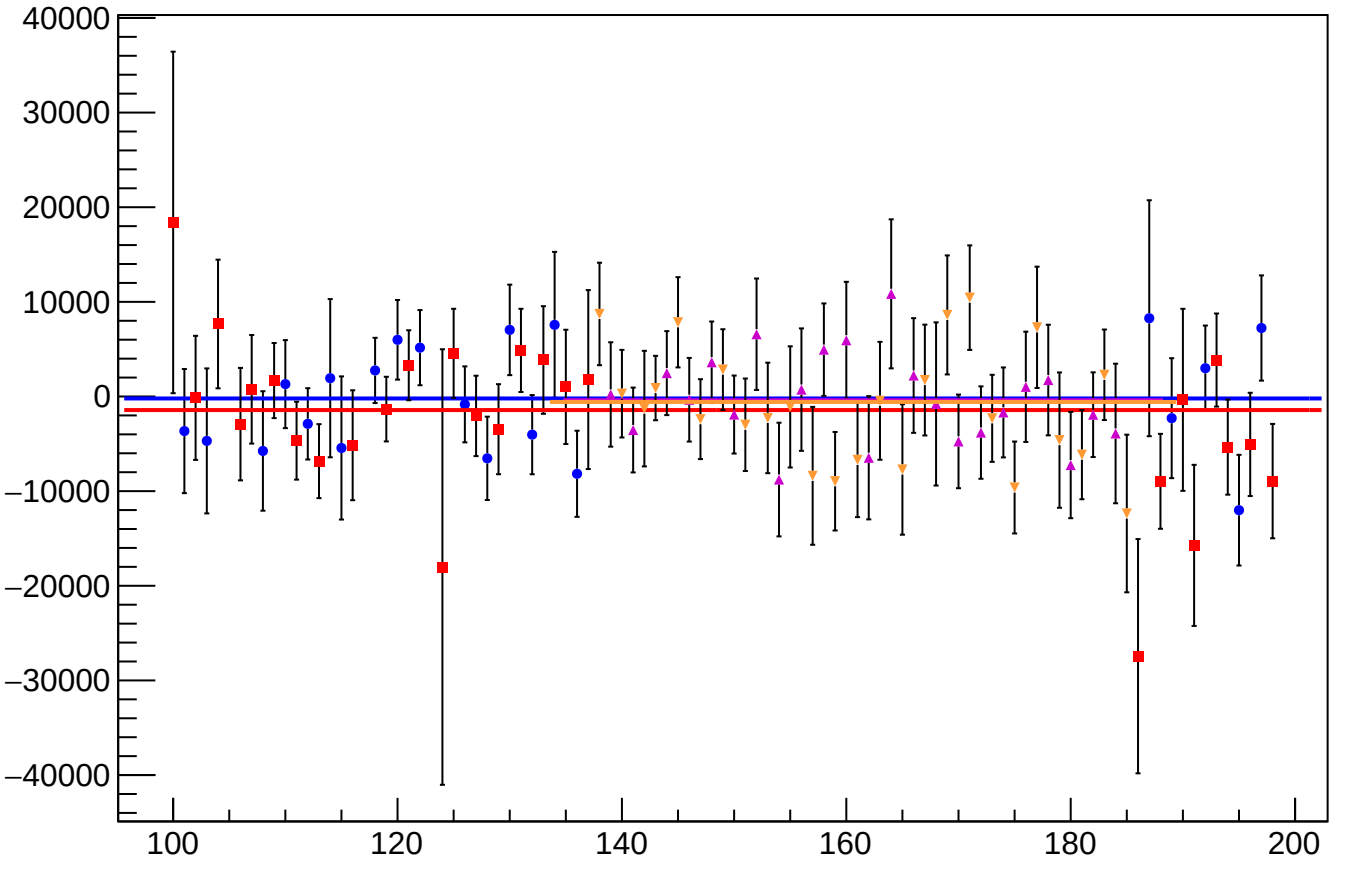
Right In: 2725.958+/-0.637 χ²/NDF: 2882139.6/20
Left Out: 4430.803+/-0.732 χ²/NDF:1613274.9/24
Right Out: 2656.100+/-0.574 χ²/NDF: 4029325.4/26
Left In: 4531.951+/-0.765 χ²/NDF:1376473.4/22
Left: 4479.092+/-0.529 χ²/NDF: 2998873.4/47
Right: 2687.380+/-0.427 χ²/NDF: 6918097.5/47
In: 3465.527+/-0.490 χ²/NDF:7545707.9/43
Out: 3332.267+/-0.452 χ²/NDF:9284898.4/51
All: 3393.493+/-0.332 χ²/NDF: 16870614.3/9



Right In: -207.344+/-1091.265 χ^2/NDF: 23.5/20

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: -1432.756+/-1018.457 χ^2/NDF: 27.2/26

Left In: -398.404+/-1109.490 χ^2/NDF:14.0/22

Left: -490.172+/-764.473 χ^2/NDF: 42.8/47

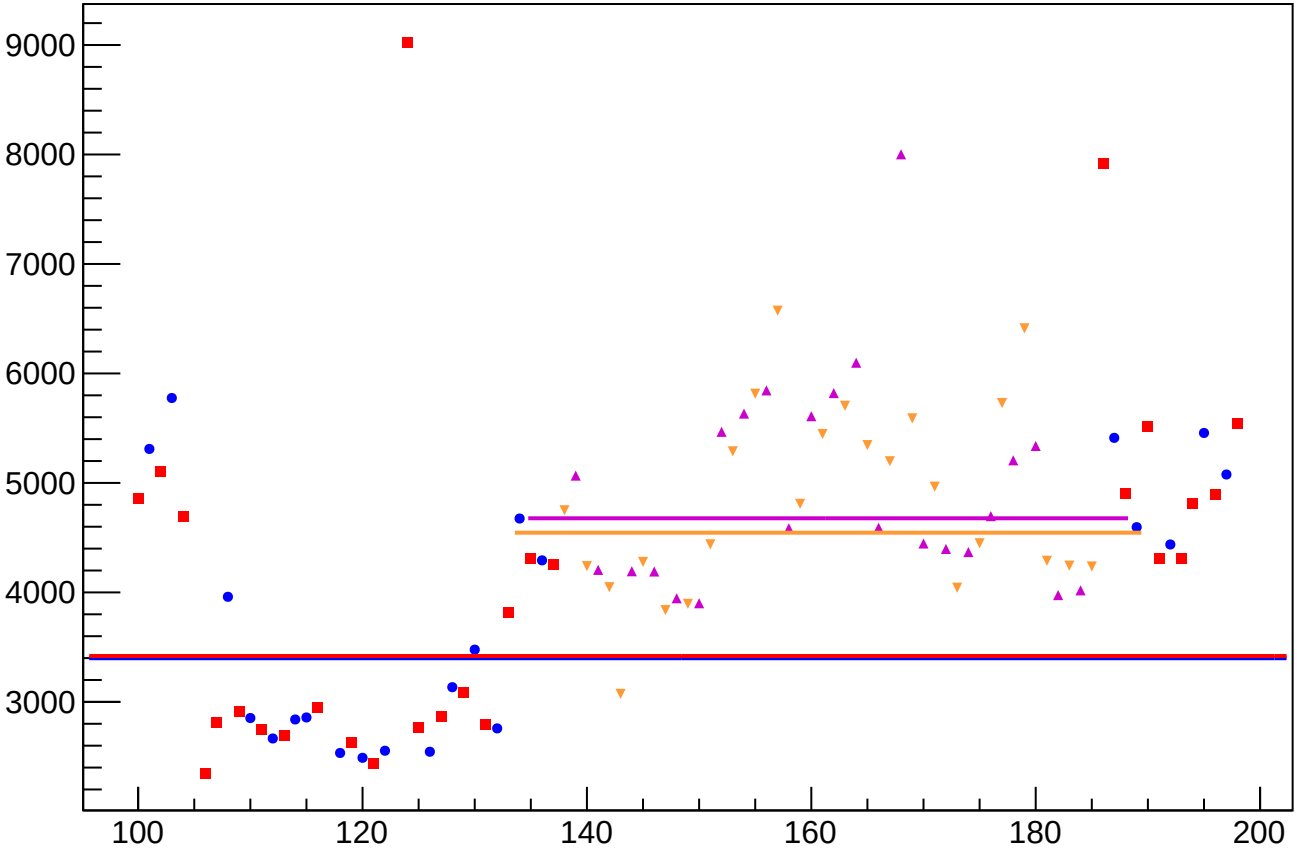
Right: -862.289+/-744.568 χ^2/NDF: 51.4/47

In: -301.292+/-778.004 χ^2/NDF:37.5/43

Out: -1018.017+/-732.681 χ^2/NDF:56.3/51

All: -681.138+/-533.387 χ^2/NDF: 94.3/95

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3398.897+/-0.772 χ^2/NDF: 1747852.0/20

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

Right Out: 3419.137+/-0.713 χ^2/NDF: 2246038.0/26

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

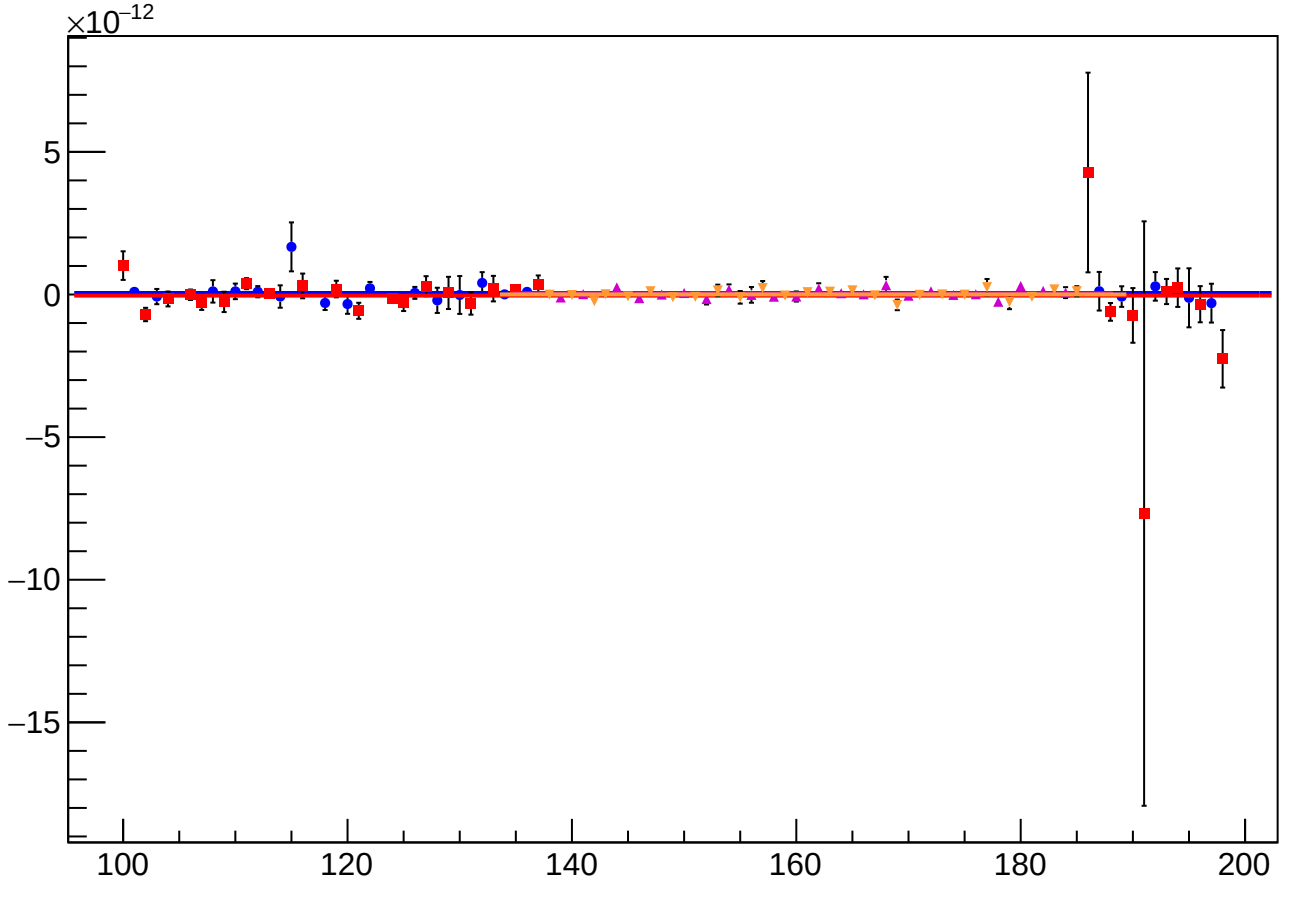
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3409.821+/-0.523 χ^2/NDF: 3994261.3/47

In: 4027.388+/-0.550 χ^2/NDF:4056864.1/43

Out: 3956.585+/-0.515 χ^2/NDF:4696859.5/51

All: 3989.670+/-0.376 χ^2/NDF: 8762547.9/95



Right In: 0.000+/-0.000 χ^2/NDF: 10.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 41.5/26

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

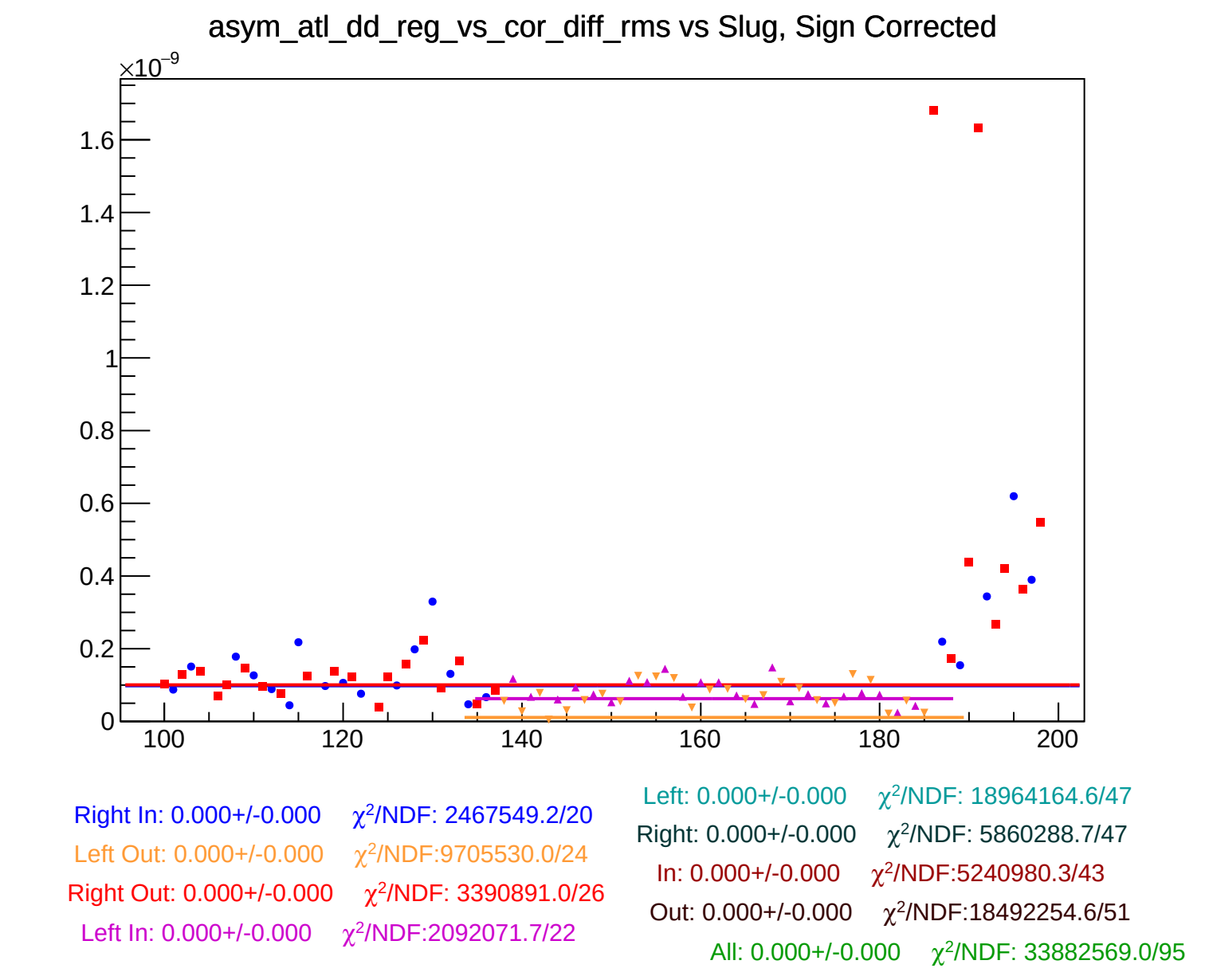
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

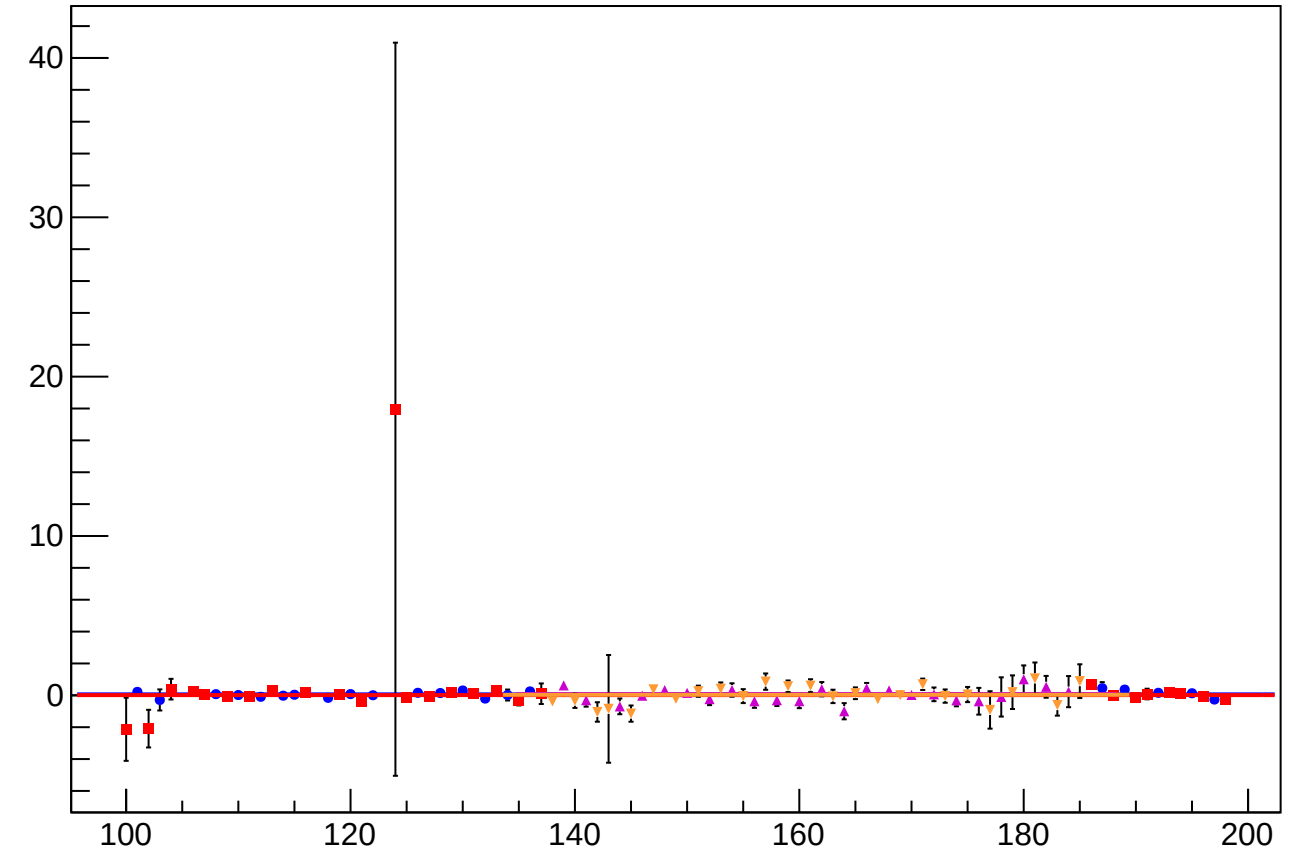
Right: 0.000+/-0.000 χ^2/NDF: 52.9/47

In: 0.000+/-0.000 χ^2/NDF:30.6/43

Out: 0.000+/-0.000 χ^2/NDF:60.3/51

All: 0.000+/-0.000 χ^2/NDF: 93.9/95


asym_atl_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2467549.2/20
Left Out: 0.000+/-0.000 χ²/NDF:9705530.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 3390891.0/26
Left In: 0.000+/-0.000 χ²/NDF:2092071.7/22
Left: 0.000+/-0.000 χ²/NDF: 18964164.6/47
Right: 0.000+/-0.000 χ²/NDF: 5860288.7/47
In: 0.000+/-0.000 χ²/NDF:5240980.3/43
Out: 0.000+/-0.000 χ²/NDF:18492254.6/51
All: 0.000+/-0.000 χ²/NDF: 33882569.0/95



Right In: 0.059+/-0.041 χ^2/NDF: 15.5/20

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.014+/-0.035 χ^2/NDF: 30.5/26

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

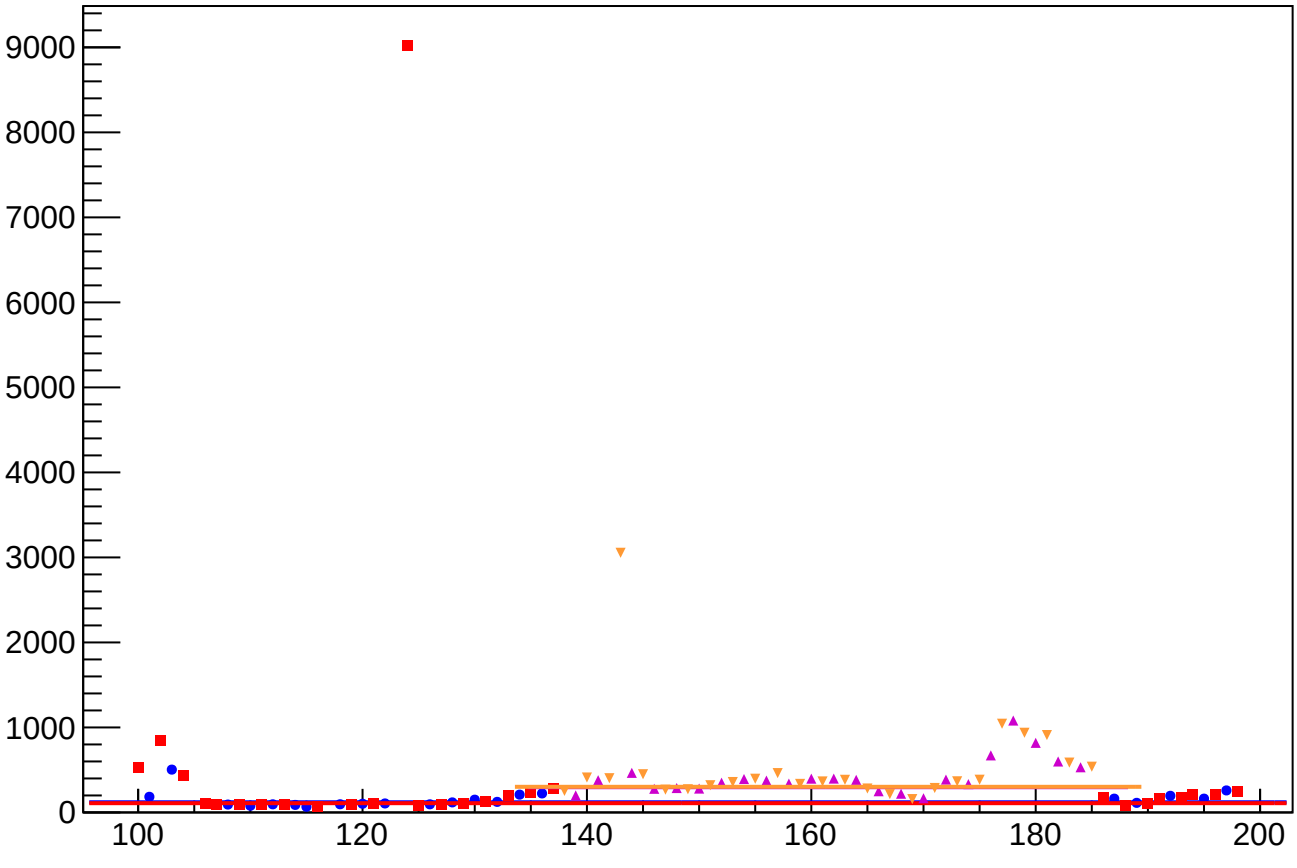
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.033+/-0.027 χ^2/NDF: 46.8/47

In: 0.063+/-0.036 χ^2/NDF:39.7/43

Out: 0.018+/-0.032 χ^2/NDF:60.2/51

All: 0.038+/-0.024 χ^2/NDF: 100.8/95



Right In: 119.810+/-0.029 χ^2/NDF: 2892619.3/20

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 109.068+/-0.025 χ^2/NDF: 4554301.2/26

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

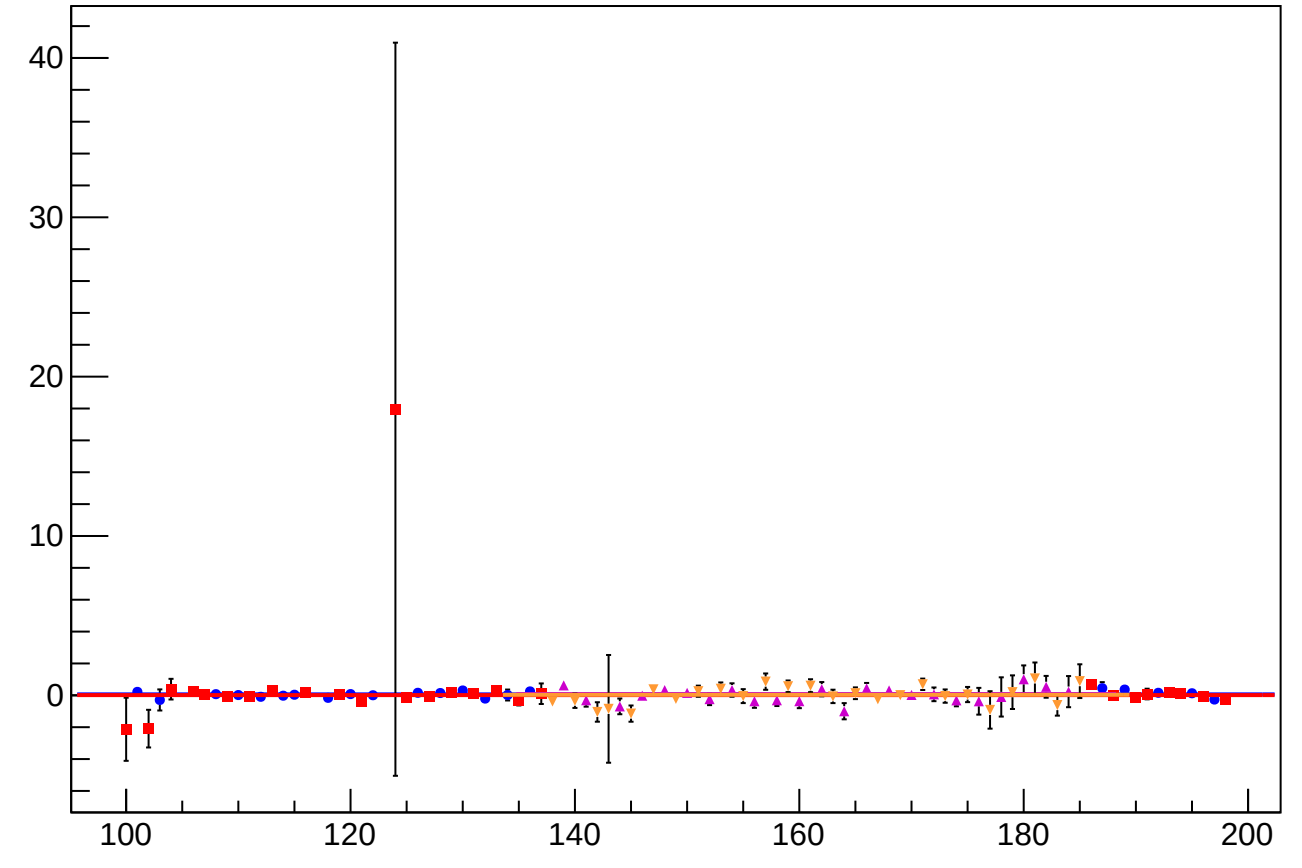
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 113.659+/-0.019 χ^2/NDF: 7526188.8/47

In: 159.682+/-0.025 χ^2/NDF:16280158.6/43

Out: 142.532+/-0.023 χ^2/NDF:21612771.1/51

All: 150.133+/-0.017 χ^2/NDF: 38146508.0/95



Right In: 0.059+/-0.041 χ^2/NDF: 15.5/20

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.014+/-0.035 χ^2/NDF: 30.5/26

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

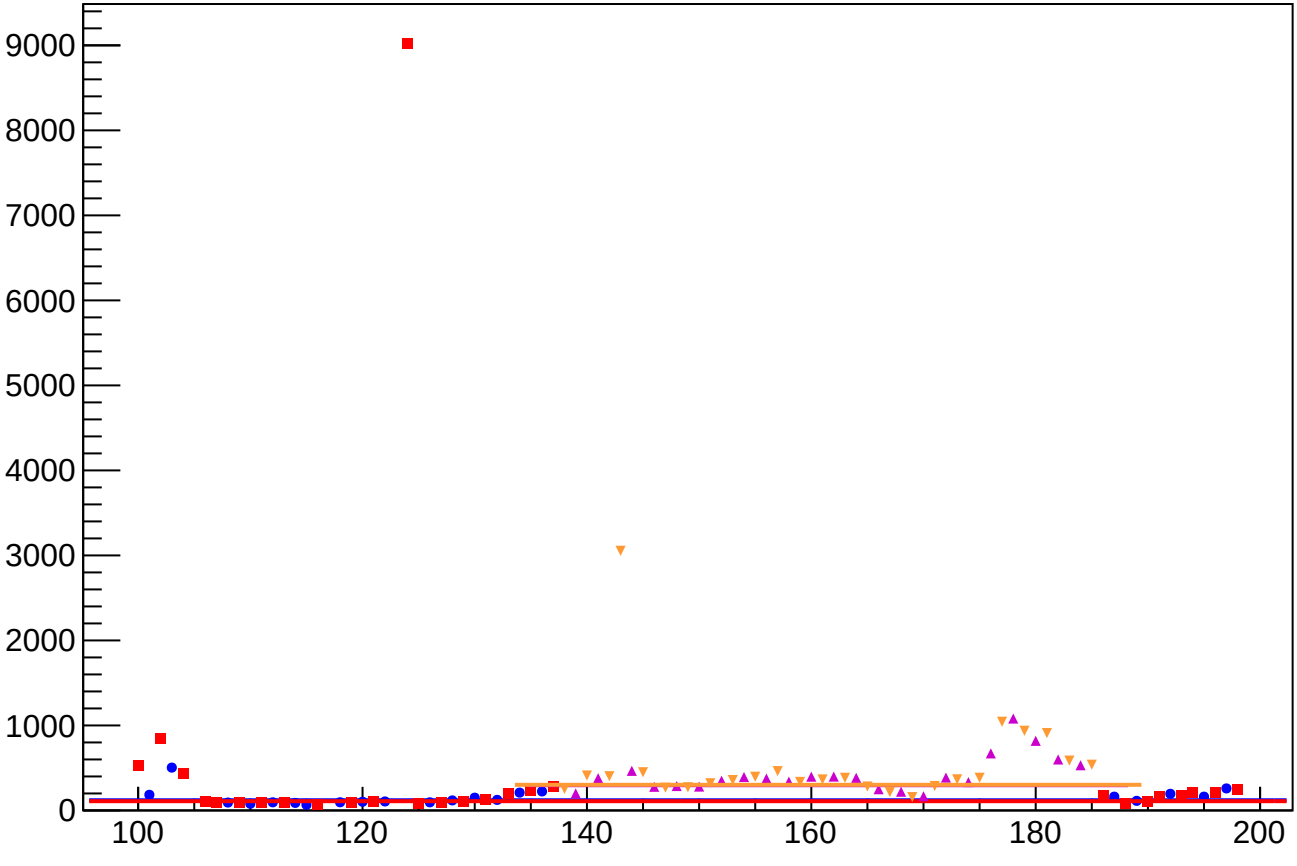
Right: 0.033+/-0.027 χ^2/NDF: 46.8/47

In: 0.063+/-0.036 χ^2/NDF:39.7/43

Out: 0.018+/-0.032 χ^2/NDF:60.2/51

All: 0.038+/-0.024 χ^2/NDF: 100.8/95

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 119.810+/-0.029 χ^2/NDF: 2892619.3/20

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 109.068+/-0.025 χ^2/NDF: 4554301.2/26

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

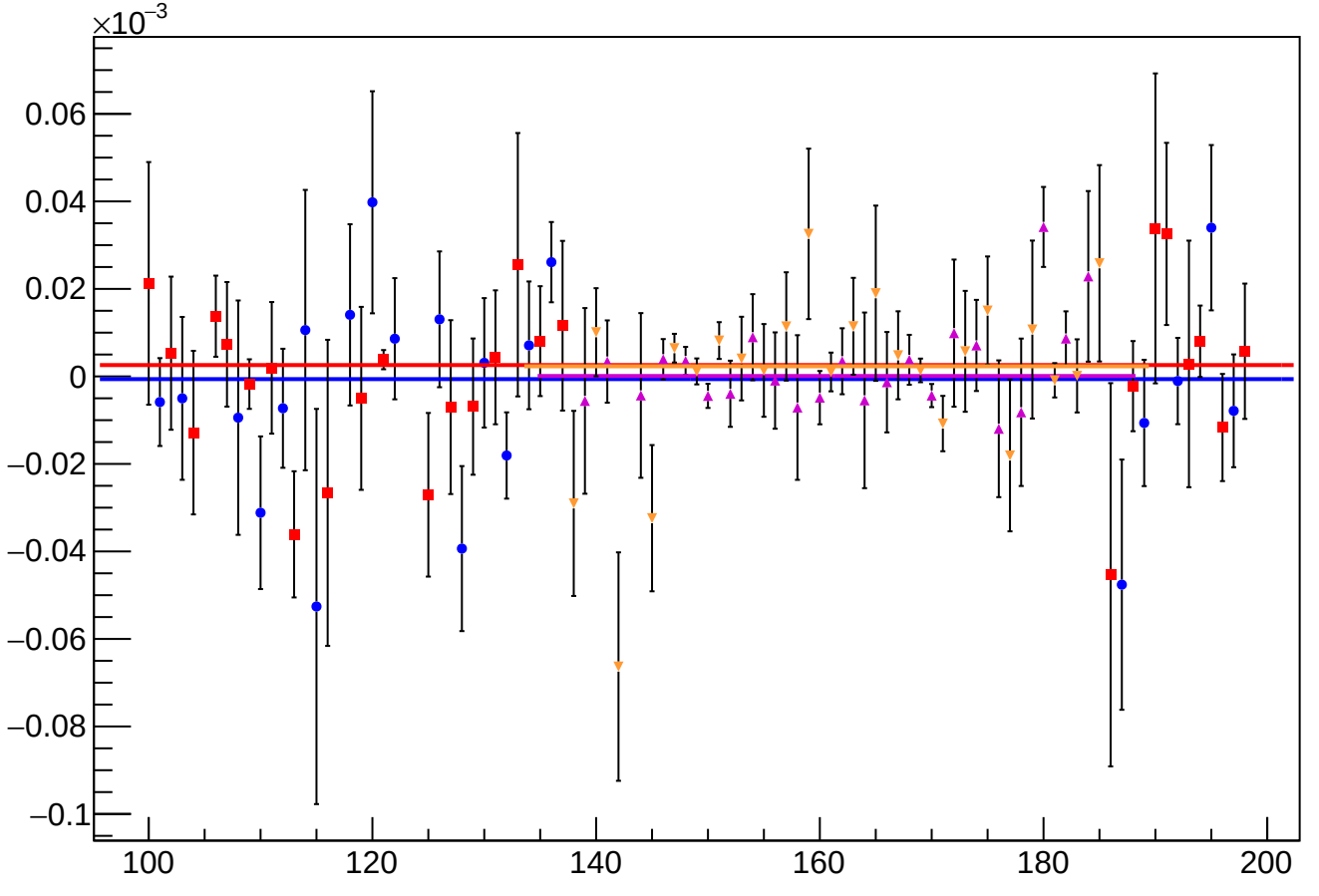
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 113.659+/-0.019 χ^2/NDF: 7526188.8/47

In: 159.682+/-0.025 χ^2/NDF:16280158.6/43

Out: 142.532+/-0.023 χ^2/NDF:21612771.1/51

All: 150.133+/-0.017 χ^2/NDF: 38146508.0/95



Right In: -0.000+/-0.000 χ^2/NDF: 32.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/25

Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

Left: 0.000+/-0.000 χ^2/NDF: 61.8/46

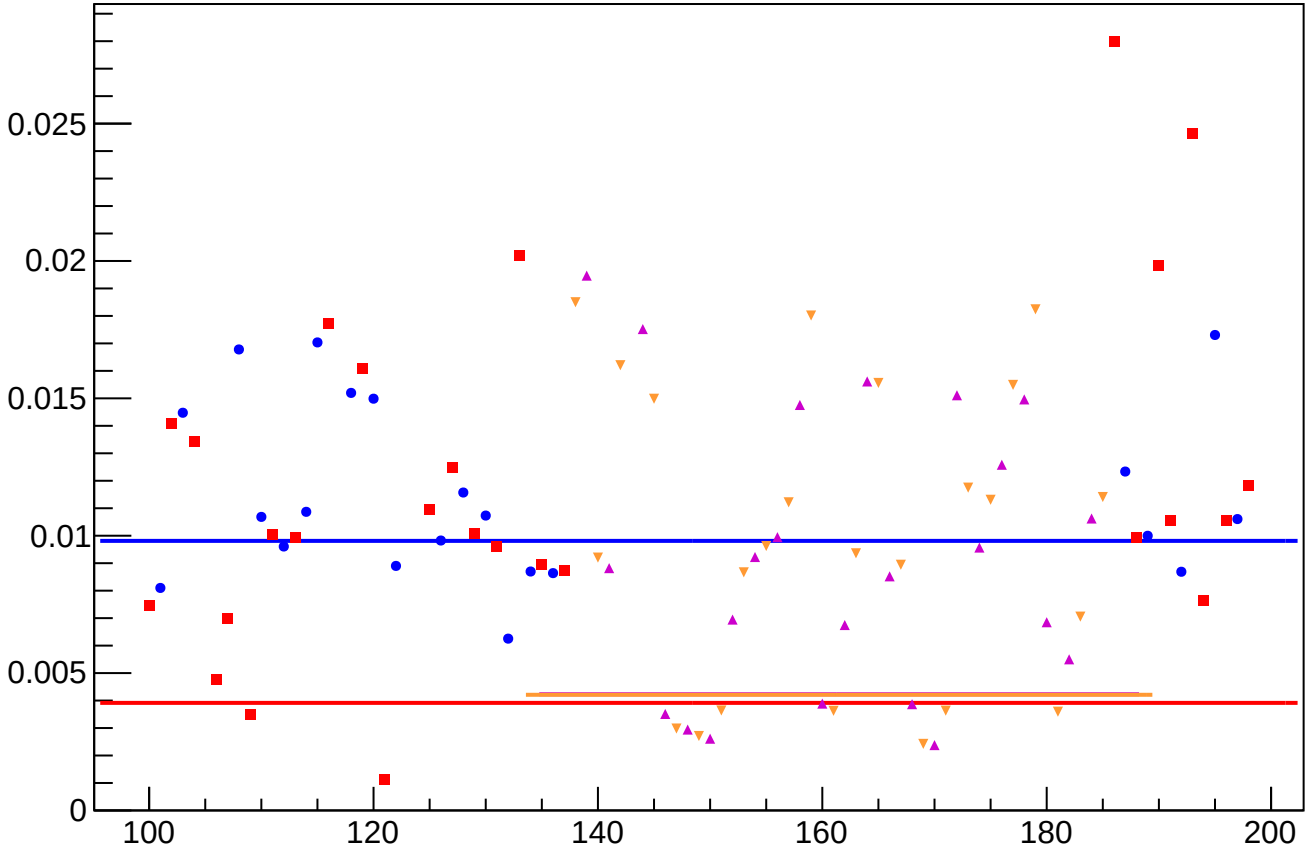
Right: 0.000+/-0.000 χ^2/NDF: 55.2/46

In: -0.000+/-0.000 χ^2/NDF:61.6/43

Out: 0.000+/-0.000 χ^2/NDF:53.1/49

All: 0.000+/-0.000 χ^2/NDF: 117.1/93

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1299473.9/20

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 13060524.6/25

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

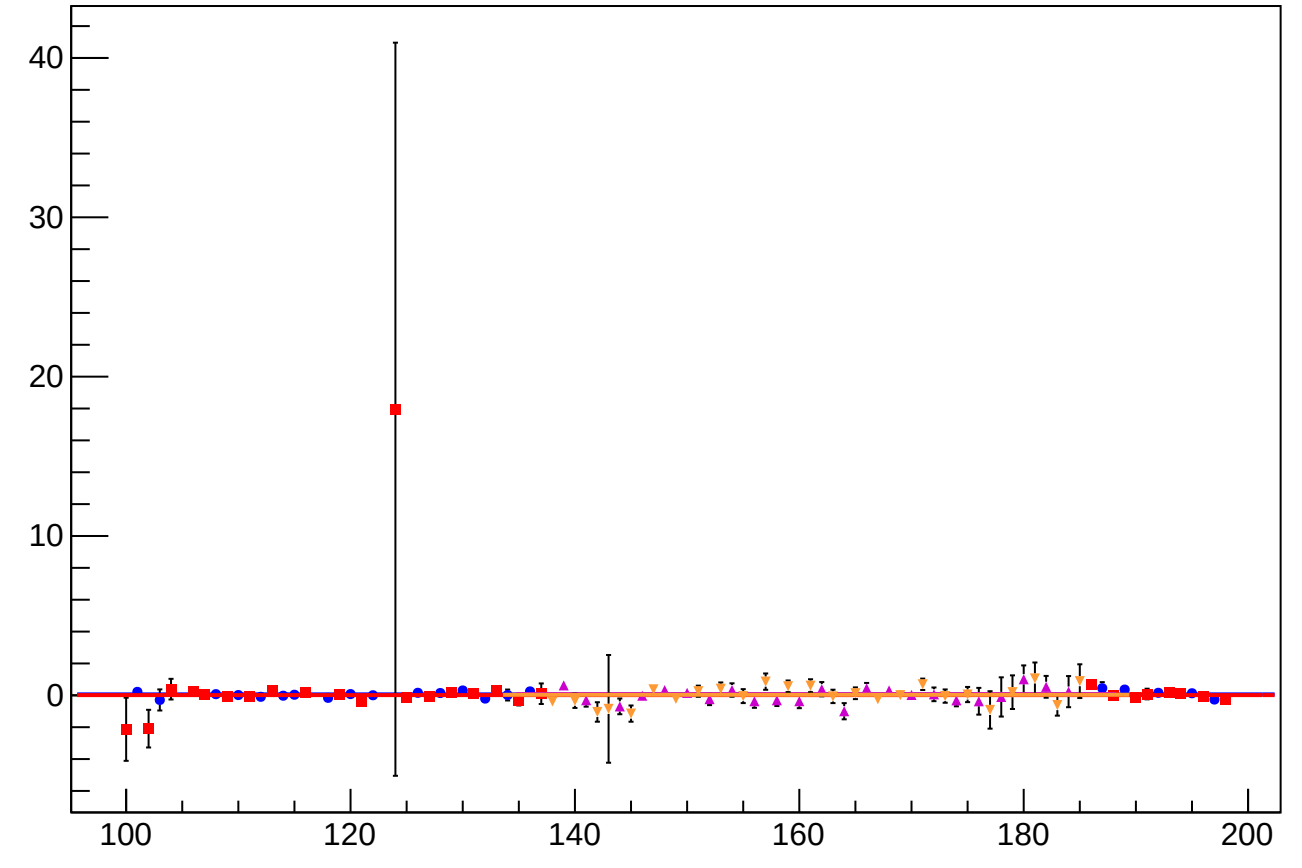
Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

Right: 0.005+/-0.000 χ^2/NDF: 19604299.3/46

In: 0.005+/-0.000 χ^2/NDF:17561147.8/43

Out: 0.004+/-0.000 χ^2/NDF:25177058.9/49

All: 0.004+/-0.000 χ^2/NDF: 43374358.1/93



Right In: 0.059+/-0.041 χ^2/NDF: 15.5/20

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.014+/-0.035 χ^2/NDF: 30.5/26

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

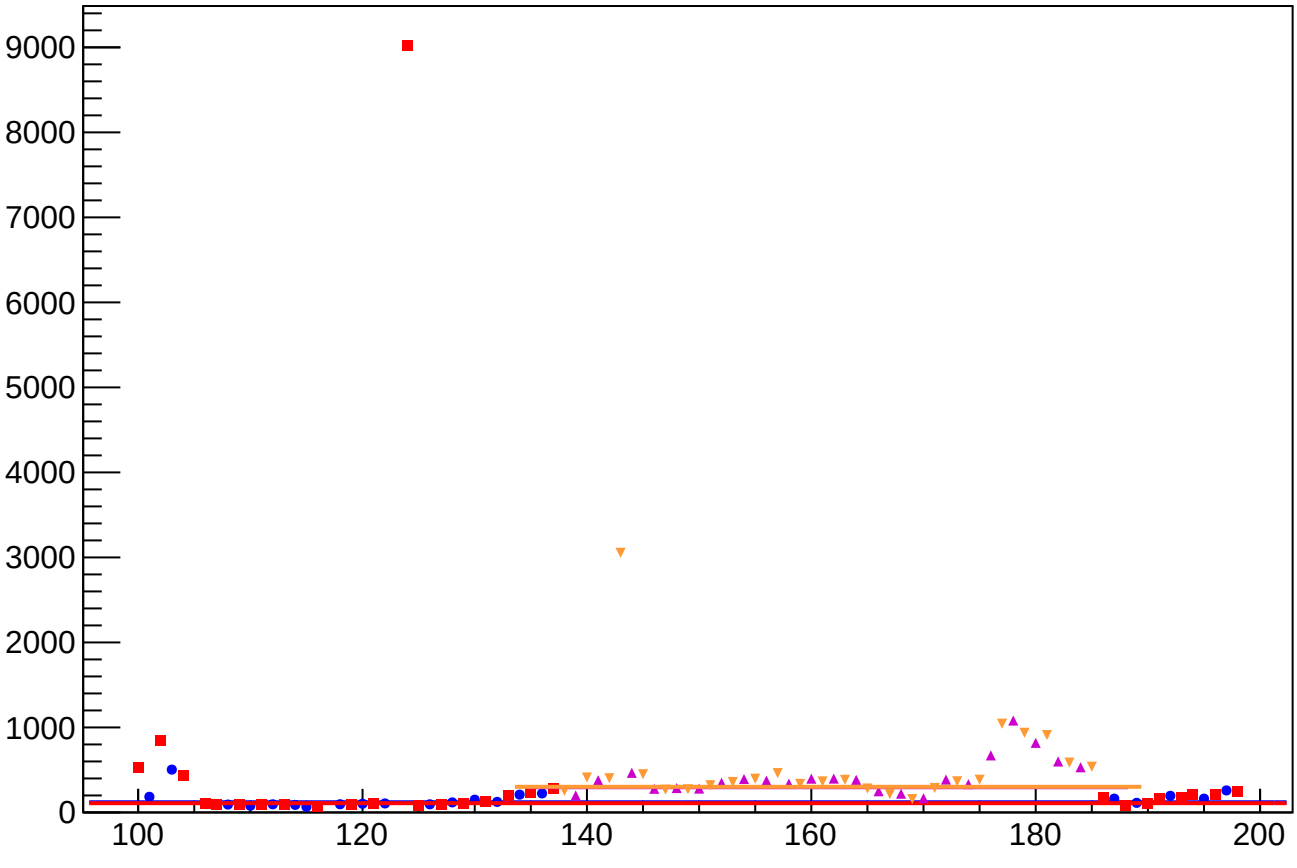
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.033+/-0.027 χ^2/NDF: 46.8/47

In: 0.063+/-0.036 χ^2/NDF:39.7/43

Out: 0.018+/-0.032 χ^2/NDF:60.2/51

All: 0.038+/-0.024 χ^2/NDF: 100.8/95



Right In: 119.810+/-0.029 χ^2/NDF: 2892571.3/20

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 109.069+/-0.025 χ^2/NDF: 4554156.7/26

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

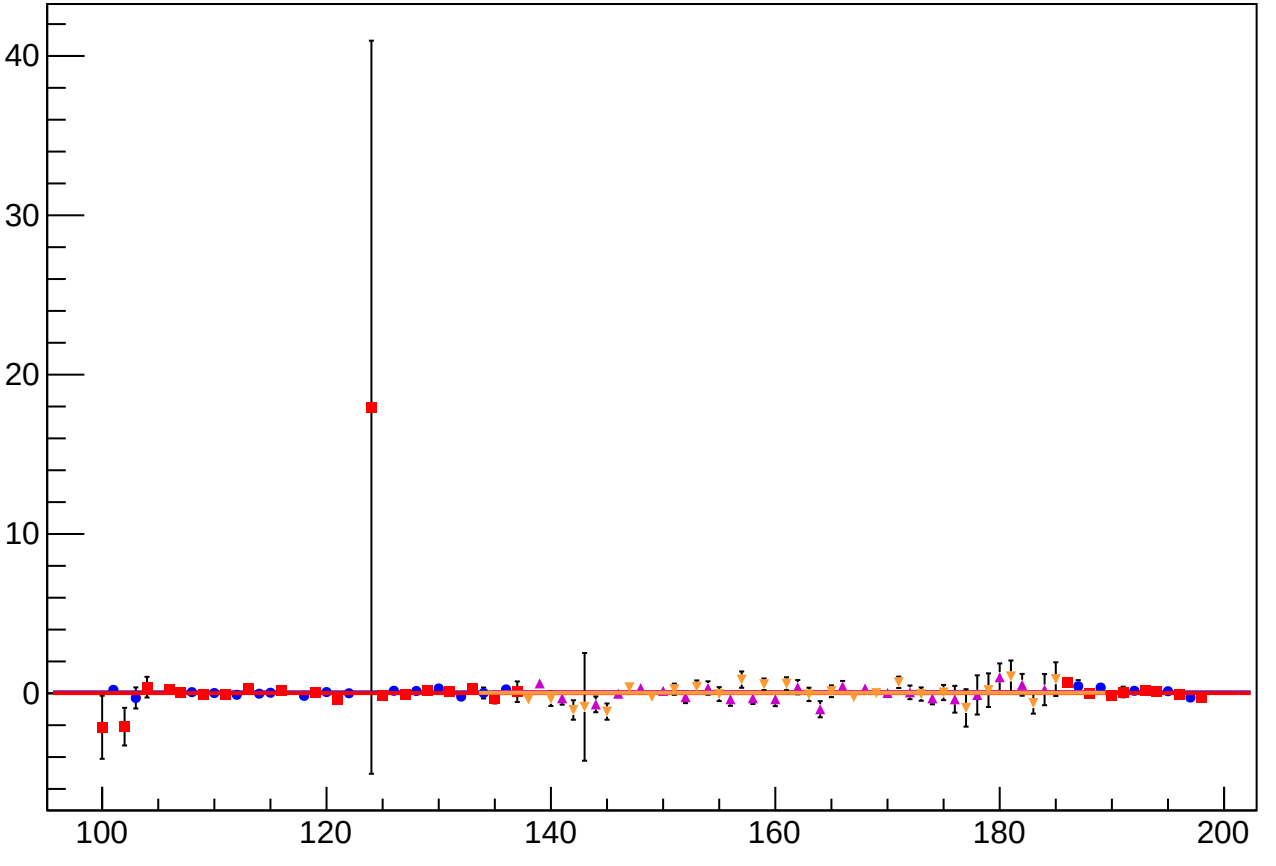
Right: 113.659+/-0.019 χ^2/NDF: 7525990.3/47

In: 159.683+/-0.025 χ^2/NDF:16280210.9/43

Out: 142.533+/-0.023 χ^2/NDF:21612685.0/51

All: 150.133+/-0.017 χ^2/NDF: 38146466.6/95

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.059+/-0.041 χ^2/NDF: 15.5/20

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.014+/-0.035 χ^2/NDF: 30.5/26

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

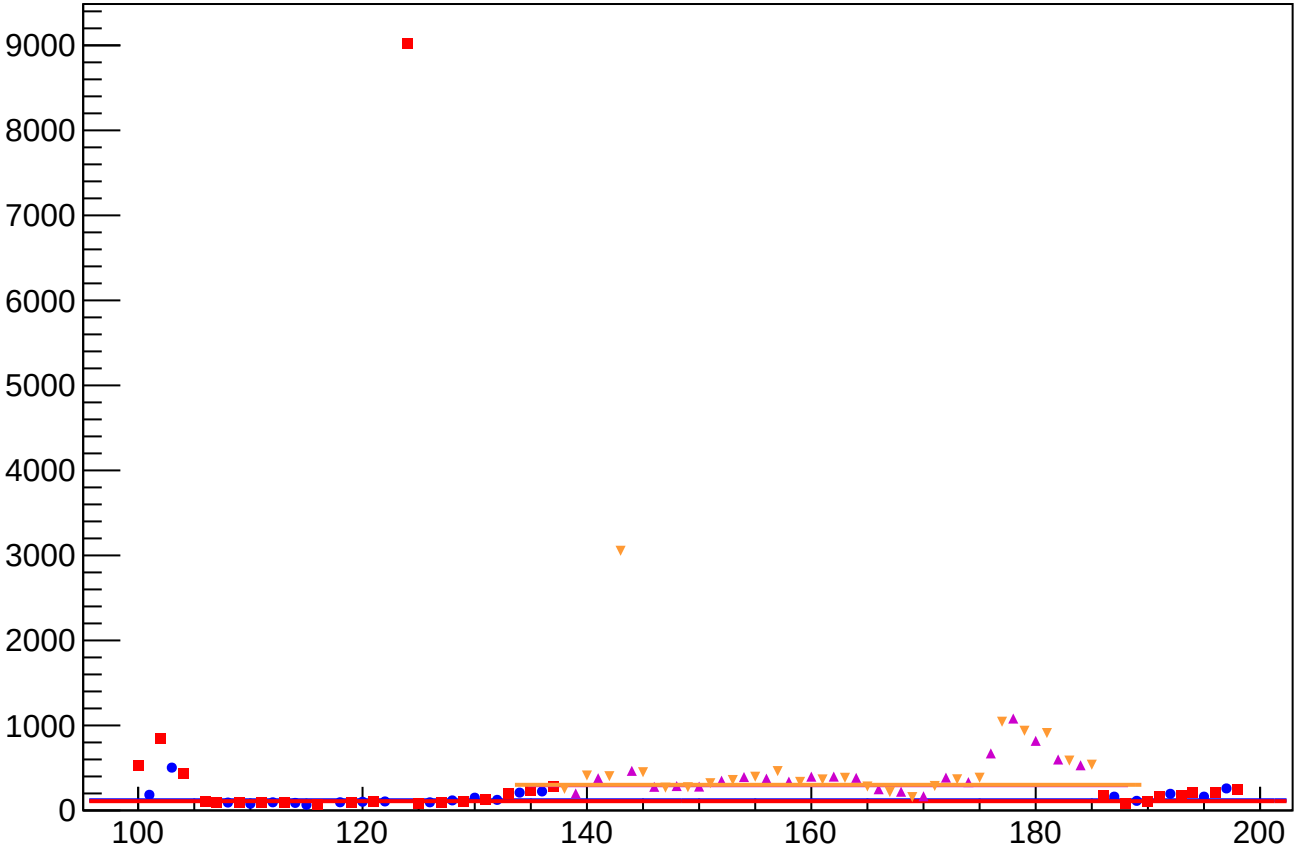
Right: 0.033+/-0.027 χ^2/NDF: 46.8/47

In: 0.063+/-0.036 χ^2/NDF:39.7/43

Out: 0.018+/-0.032 χ^2/NDF:60.2/51

All: 0.038+/-0.024 χ^2/NDF: 100.8/95

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 119.810+/-0.029 χ^2/NDF: 2892571.3/20

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 109.069+/-0.025 χ^2/NDF: 4554156.7/26

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

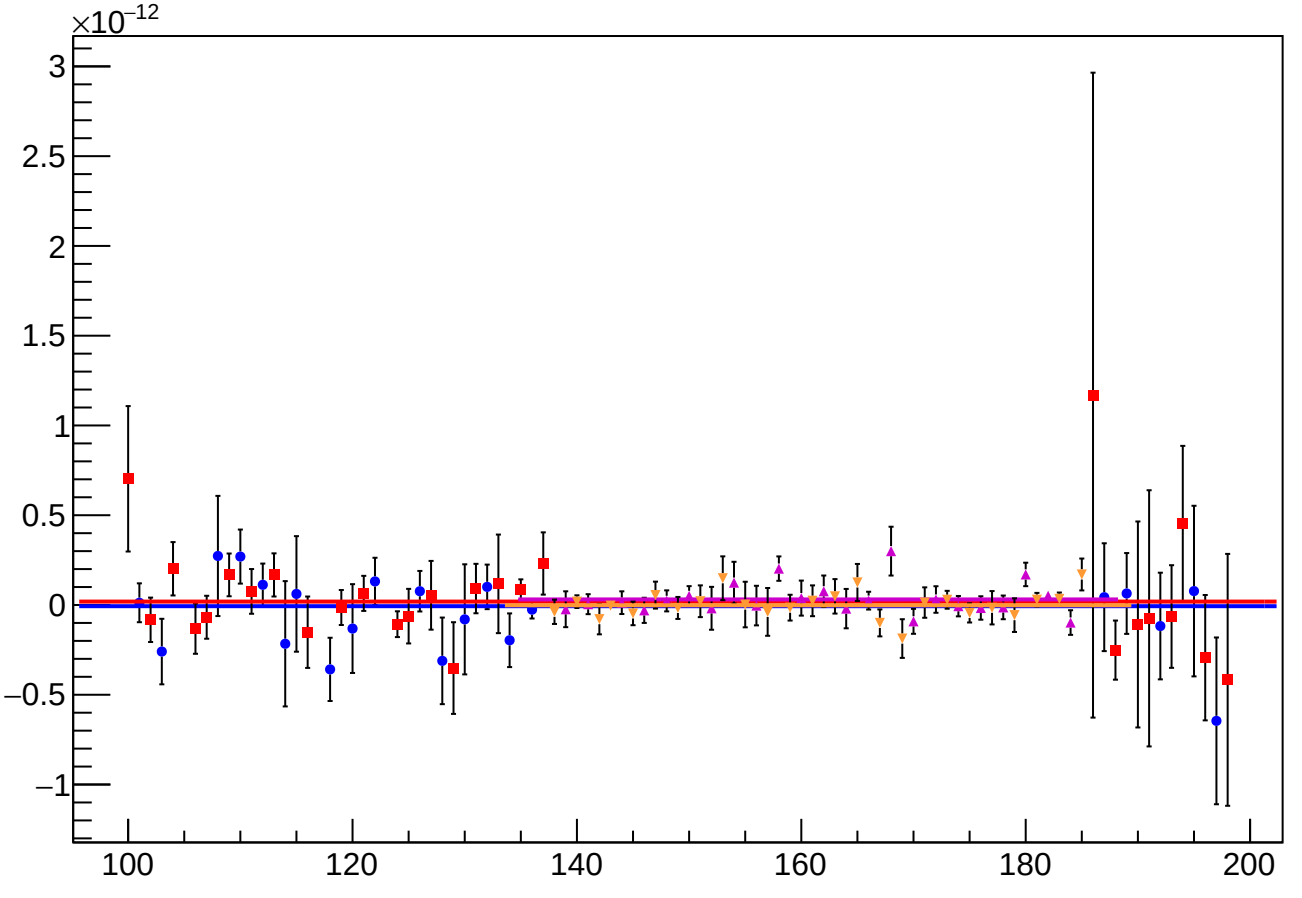
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 113.659+/-0.019 χ^2/NDF: 7525990.3/47

In: 159.683+/-0.025 χ^2/NDF:16280210.9/43

Out: 142.533+/-0.023 χ^2/NDF:21612685.0/51

All: 150.133+/-0.017 χ^2/NDF: 38146466.6/95



Right In: -0.000+/-0.000 χ^2/NDF: 19.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.2/26

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

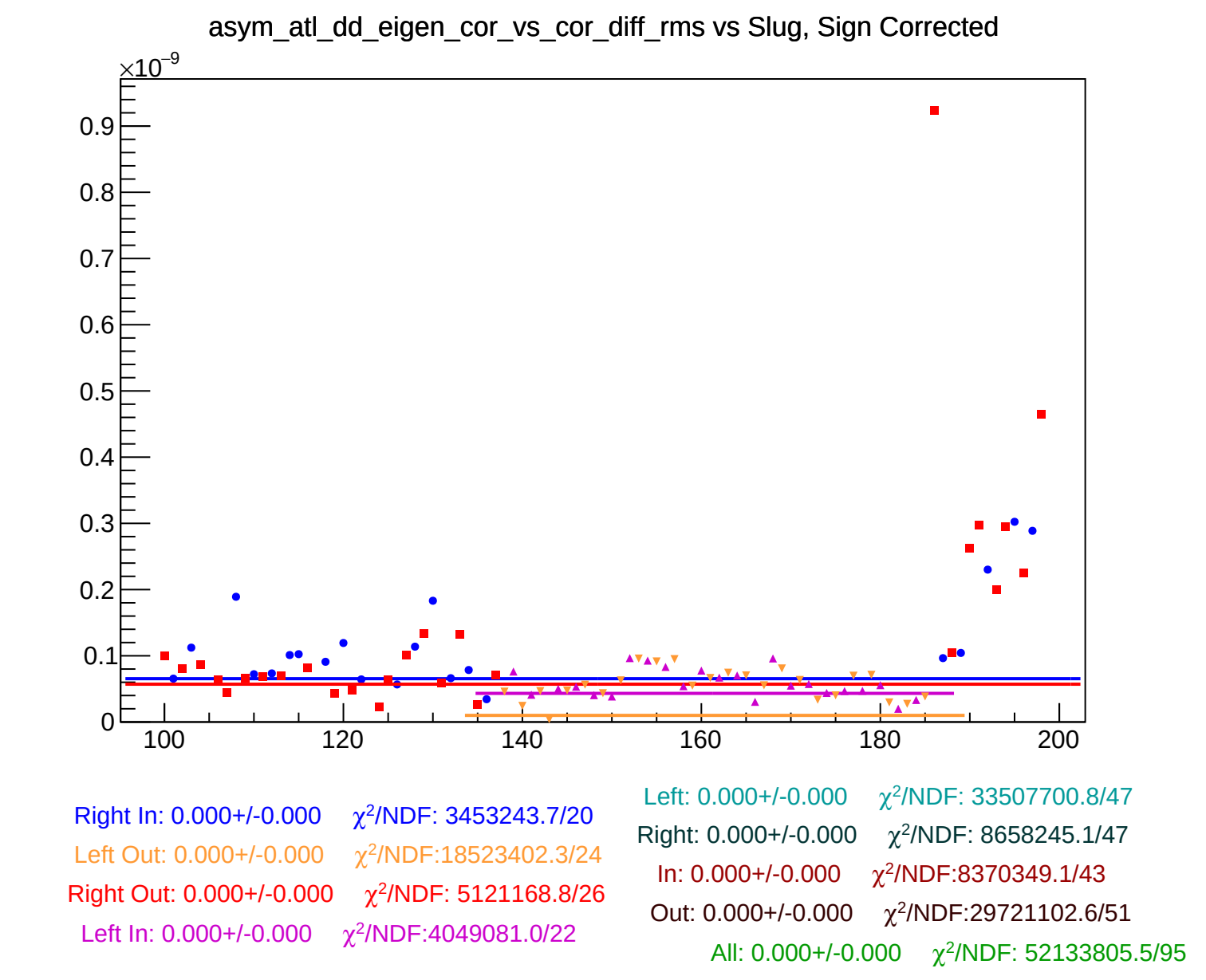
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 45.3/47

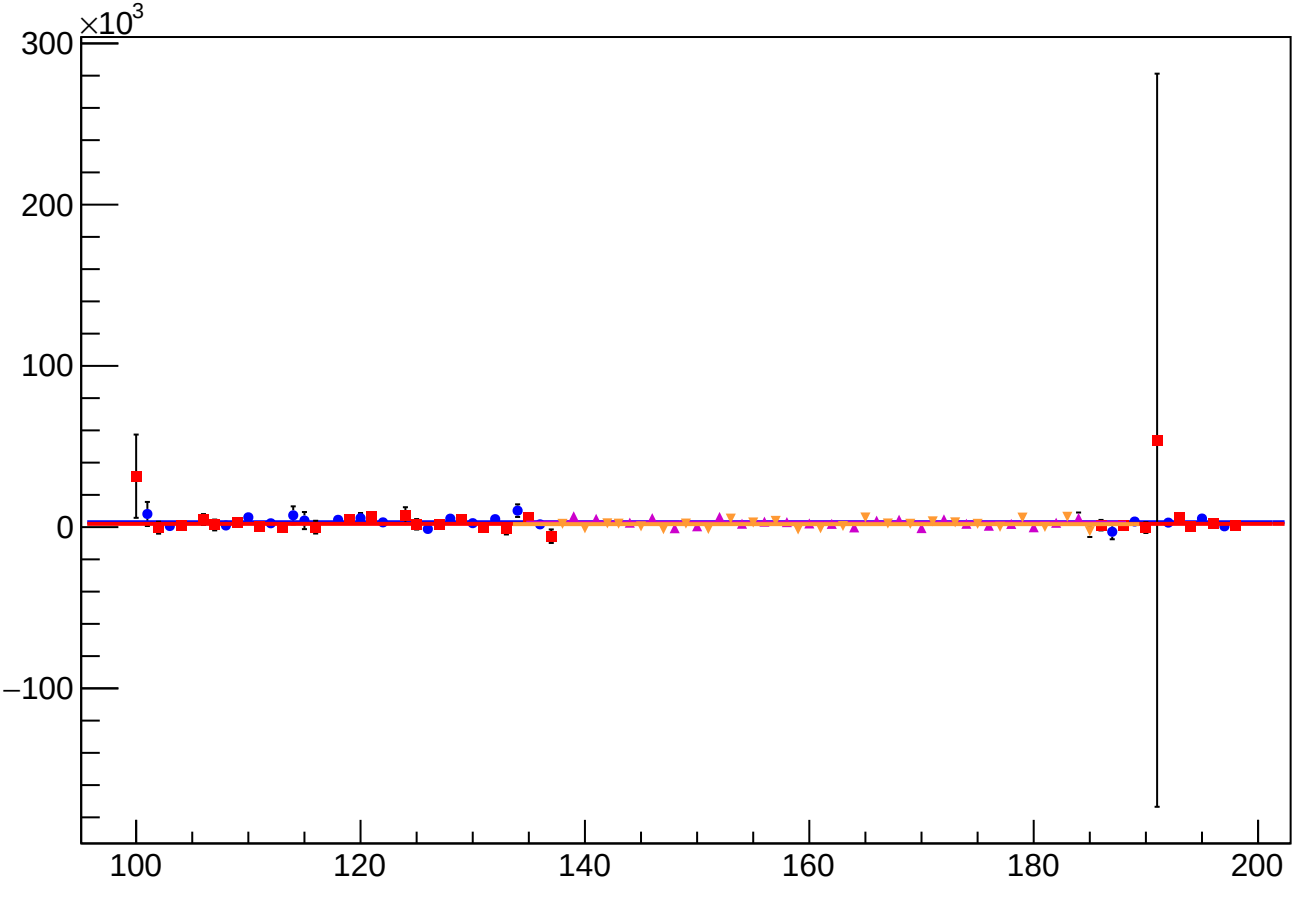
In: 0.000+/-0.000 χ^2/NDF:47.3/43

Out: -0.000+/-0.000 χ^2/NDF:43.5/51

All: 0.000+/-0.000 χ^2/NDF: 94.7/95


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3453243.7/20
Left Out: 0.000+/-0.000 χ²/NDF:18523402.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 5121168.8/26
Left In: 0.000+/-0.000 χ²/NDF:4049081.0/22
Left: 0.000+/-0.000 χ²/NDF: 33507700.8/47
Right: 0.000+/-0.000 χ²/NDF: 8658245.1/47
In: 0.000+/-0.000 χ²/NDF:8370349.1/43
Out: 0.000+/-0.000 χ²/NDF:29721102.6/51
All: 0.000+/-0.000 χ²/NDF: 52133805.5/95

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3027.848+/-605.160 χ^2/NDF: 15.9/20

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: 2024.240+/-556.023 χ^2/NDF: 21.0/26

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

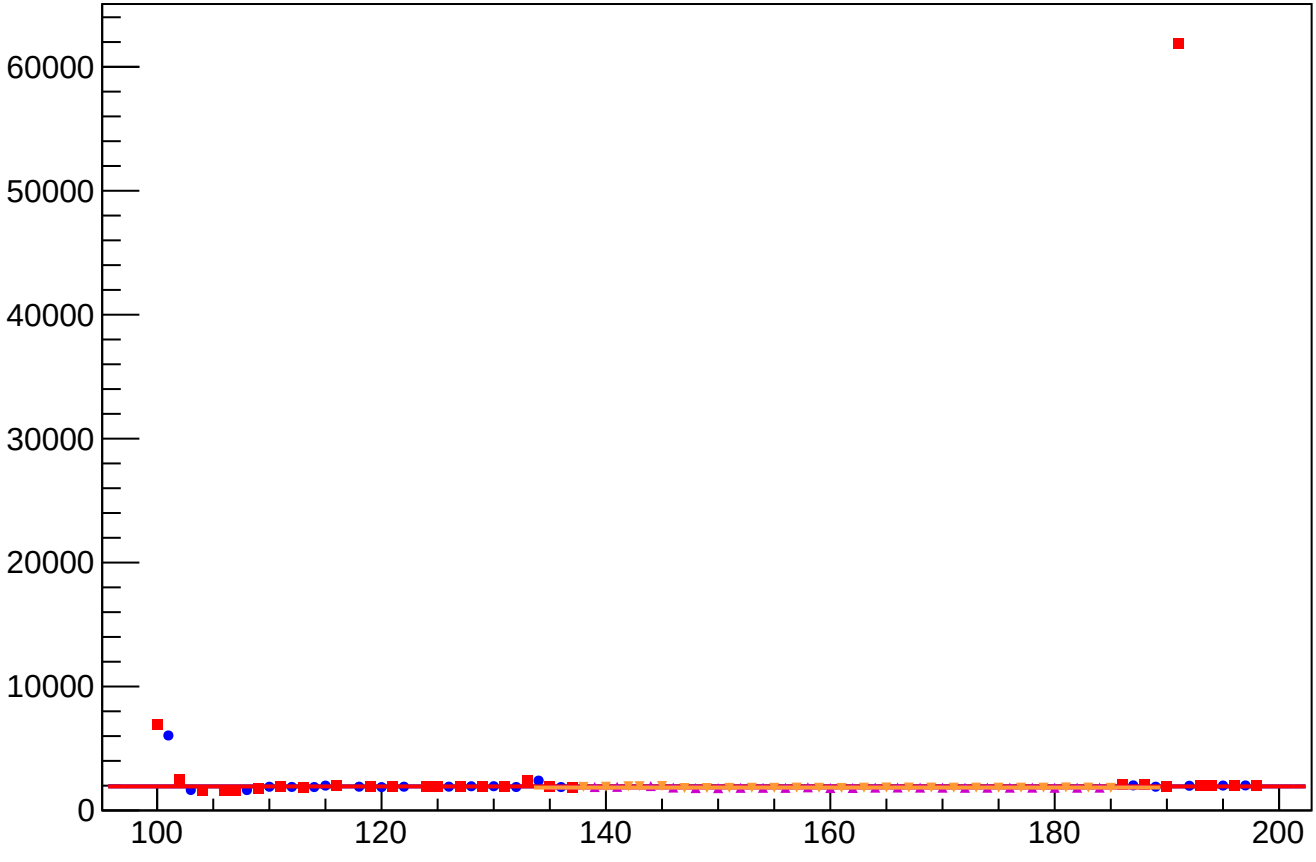
Right: 2483.651+/-409.439 χ^2/NDF: 38.4/47

In: 2860.569+/-350.993 χ^2/NDF:41.4/43

Out: 1914.574+/-335.138 χ^2/NDF:52.6/51

All: 2365.723+/-242.390 χ^2/NDF: 97.8/95

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1942.340+/-0.428 χ^2/NDF: 705520.9/20

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1939.385+/-0.392 χ^2/NDF: 402710.7/26

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

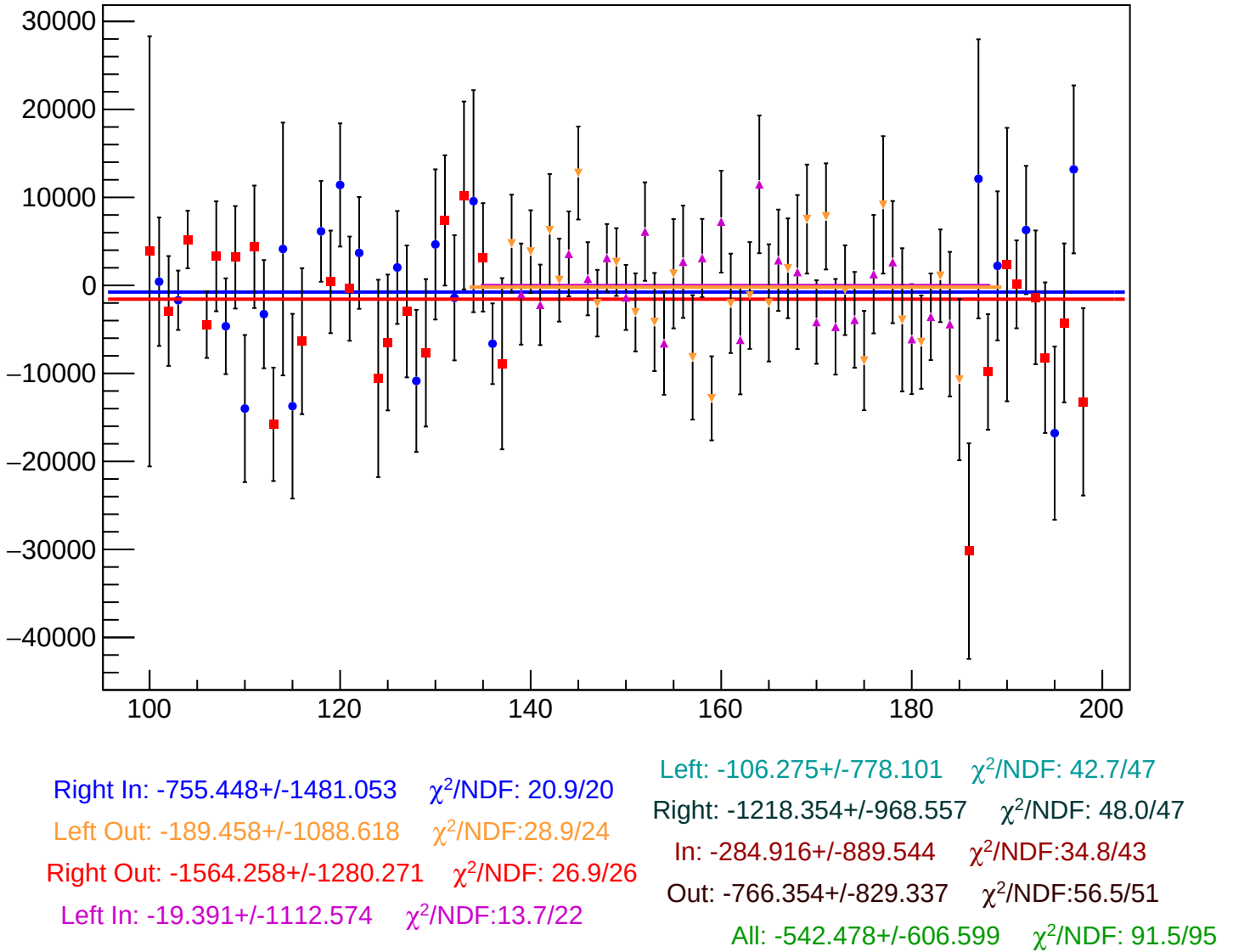
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

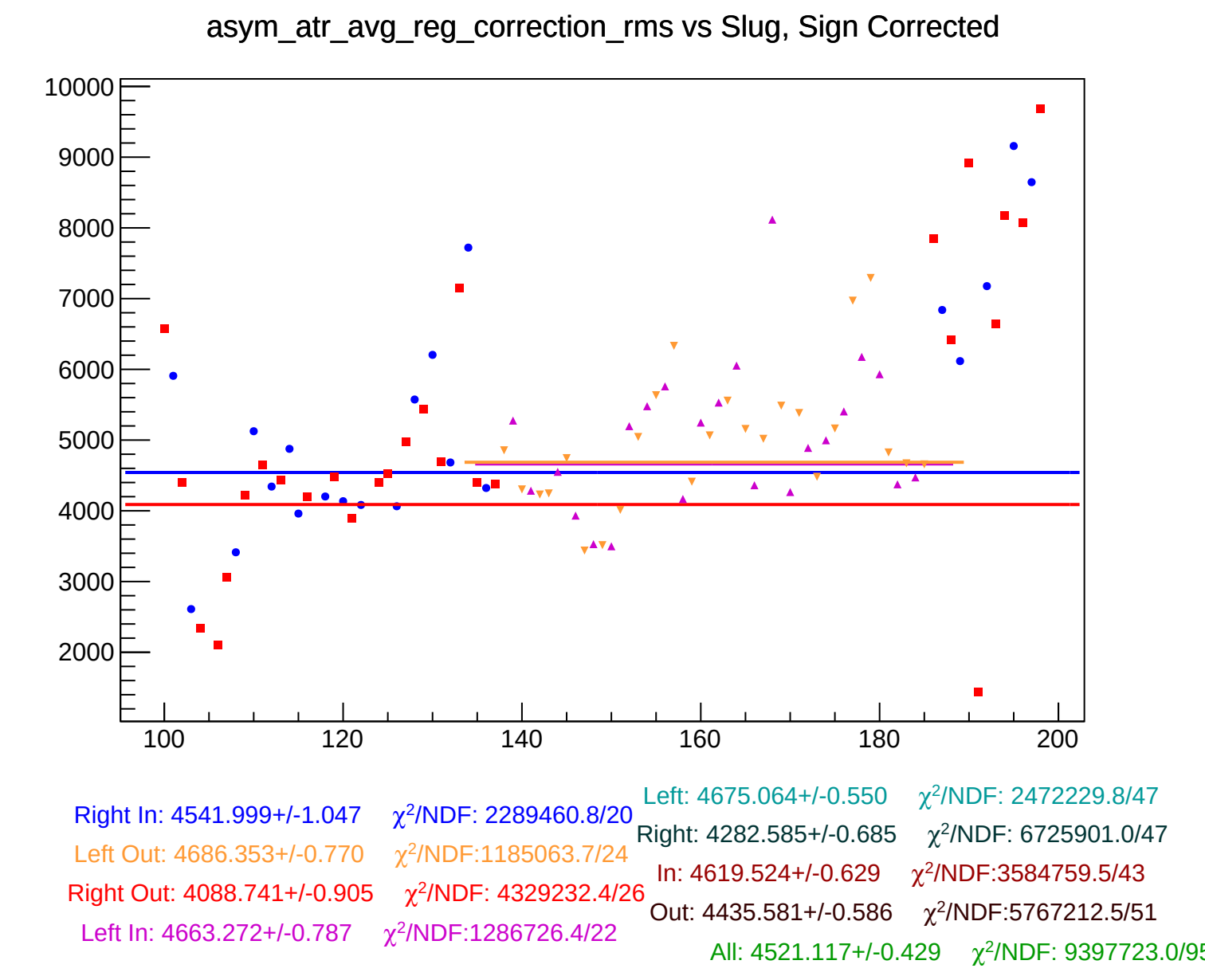
Right: 1940.735+/-0.289 χ^2/NDF: 1108257.5/47

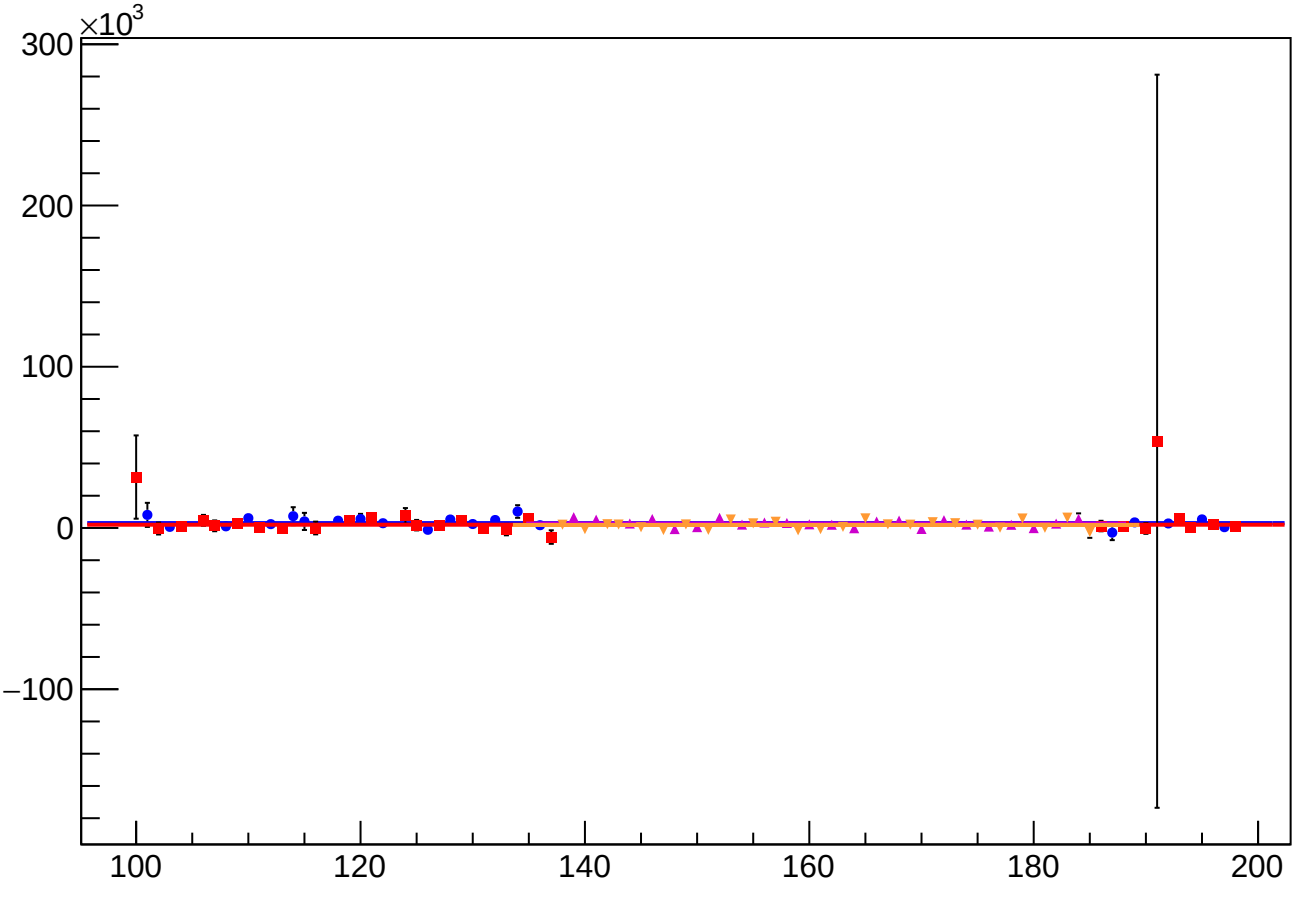
In: 1877.786+/-0.248 χ^2/NDF:753842.3/43

Out: 1881.622+/-0.237 χ^2/NDF:457695.5/51

All: 1879.794+/-0.171 χ^2/NDF: 1211662.8/95


asym_atr_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -755.448+/-1481.053 χ²/NDF: 20.9/20
Left Out: -189.458+/-1088.618 χ²/NDF:28.9/24
Right Out: -1564.258+/-1280.271 χ²/NDF: 26.9/26
Left In: -19.391+/-1112.574 χ²/NDF:13.7/22
Left: -106.275+/-778.101 χ²/NDF: 42.7/47
Right: -1218.354+/-968.557 χ²/NDF: 48.0/47
In: -284.916+/-889.544 χ²/NDF:34.8/43
Out: -766.354+/-829.337 χ²/NDF:56.5/51
All: -542.478+/-606.599 χ²/NDF: 91.5/95


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: 4541.999+/-1.047 χ²/NDF: 2289460.8/20
Left Out: 4686.353+/-0.770 χ²/NDF:1185063.7/24
Right Out: 4088.741+/-0.905 χ²/NDF: 4329232.4/26
Left In: 4663.272+/-0.787 χ²/NDF:1286726.4/22
Left: 4675.064+/-0.550 χ²/NDF: 2472229.8/47
Right: 4282.585+/-0.685 χ²/NDF: 6725901.0/47
In: 4619.524+/-0.629 χ²/NDF:3584759.5/43
Out: 4435.581+/-0.586 χ²/NDF:5767212.5/51
All: 4521.117+/-0.429 χ²/NDF: 9397723.0/95



Right In: 3027.433+/-605.160 χ^2/NDF: 15.9/20

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2024.896+/-556.025 χ^2/NDF: 21.0/26

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

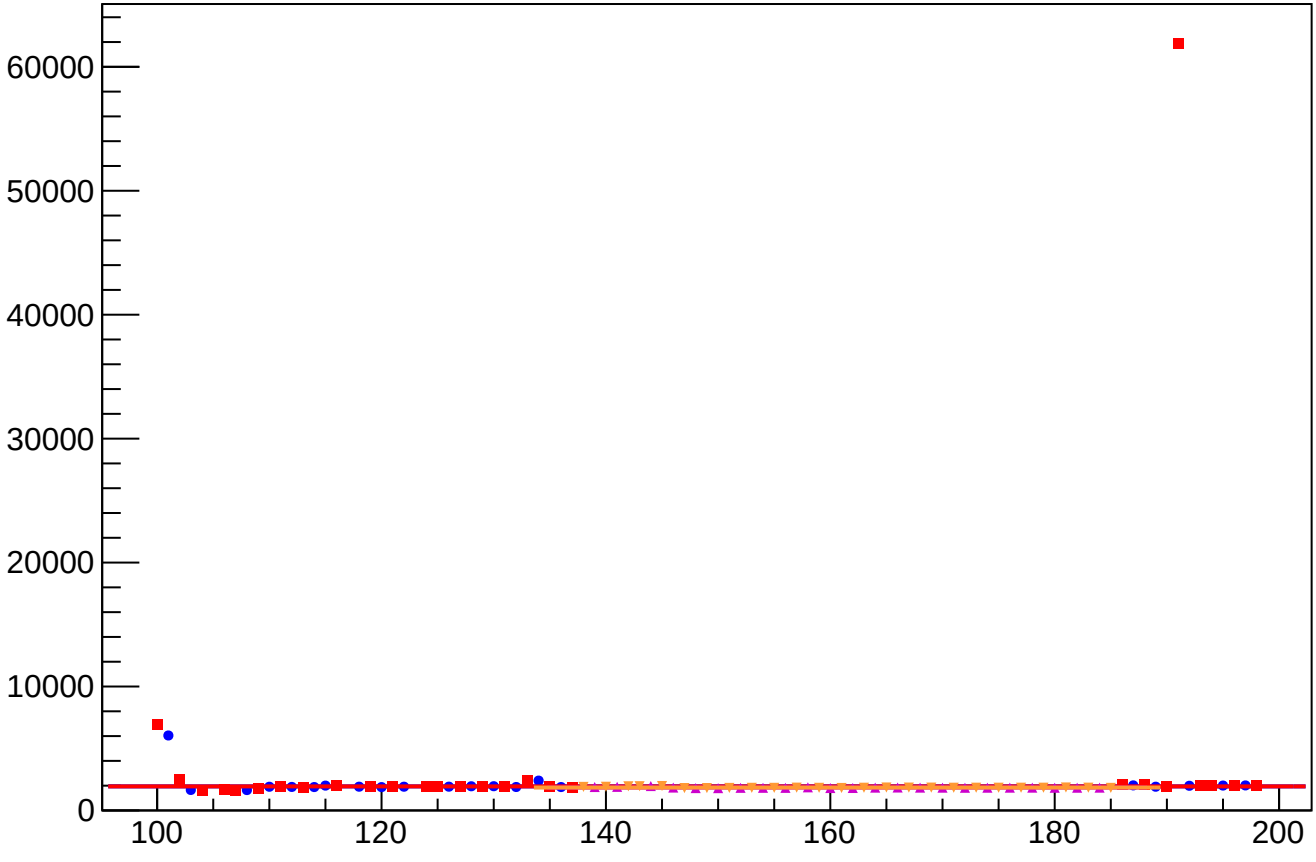
Right: 2483.819+/-409.440 χ^2/NDF: 38.4/47

In: 2860.413+/-350.993 χ^2/NDF:41.4/43

Out: 1914.741+/-335.139 χ^2/NDF:52.6/51

All: 2365.737+/-242.390 χ^2/NDF: 97.8/95

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1942.340+/-0.428 χ^2/NDF: 705520.0/20

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1941.939+/-0.393 χ^2/NDF: 394684.1/26

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

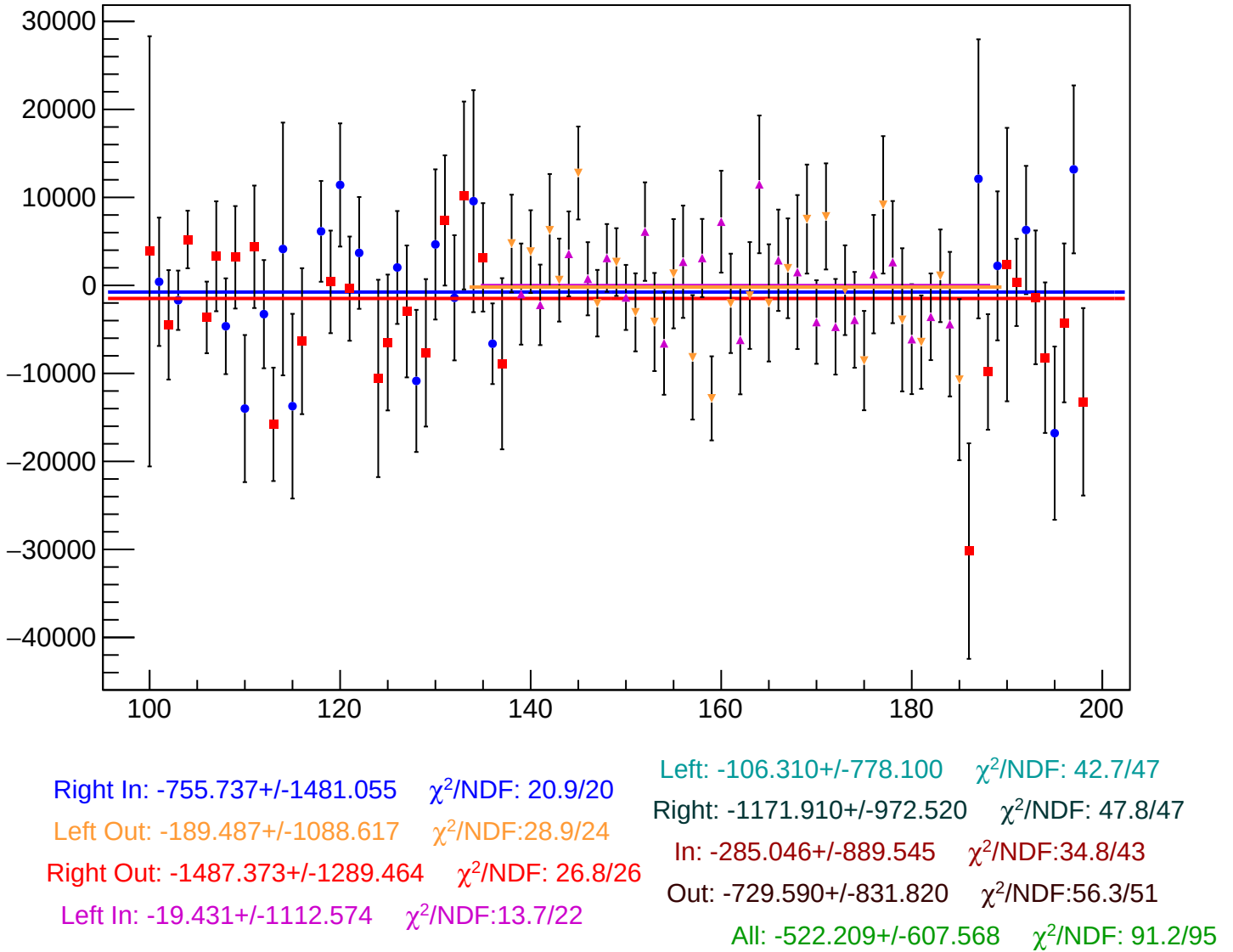
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1942.122+/-0.289 χ^2/NDF: 1100204.5/47

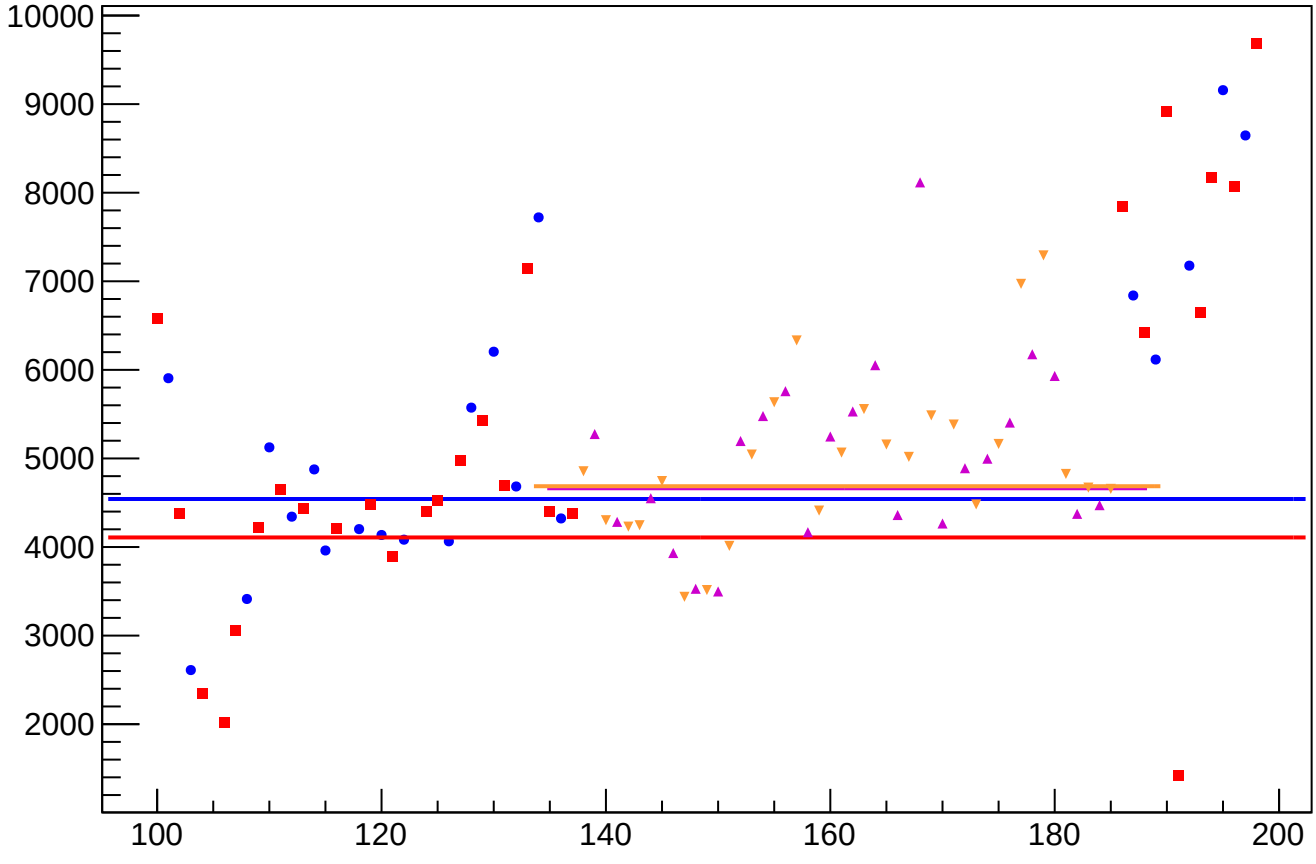
In: 1877.786+/-0.248 χ^2/NDF:753841.6/43

Out: 1882.502+/-0.237 χ^2/NDF:451559.2/51

All: 1880.253+/-0.171 χ^2/NDF: 1205589.7/95


asym_atr_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -755.737+/-1481.055 χ²/NDF: 20.9/20
Left Out: -189.487+/-1088.617 χ²/NDF:28.9/24
Right Out: -1487.373+/-1289.464 χ²/NDF: 26.8/26
Left In: -19.431+/-1112.574 χ²/NDF:13.7/22
Left: -106.310+/-778.100 χ²/NDF: 42.7/47
Right: -1171.910+/-972.520 χ²/NDF: 47.8/47
In: -285.046+/-889.545 χ²/NDF:34.8/43
Out: -729.590+/-831.820 χ²/NDF:56.3/51
All: -522.209+/-607.568 χ²/NDF: 91.2/95

asym_atr_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4542.081+/-1.047 χ^2/NDF: 2288901.9/20

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4108.042+/-0.912 χ^2/NDF: 4305430.9/26

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

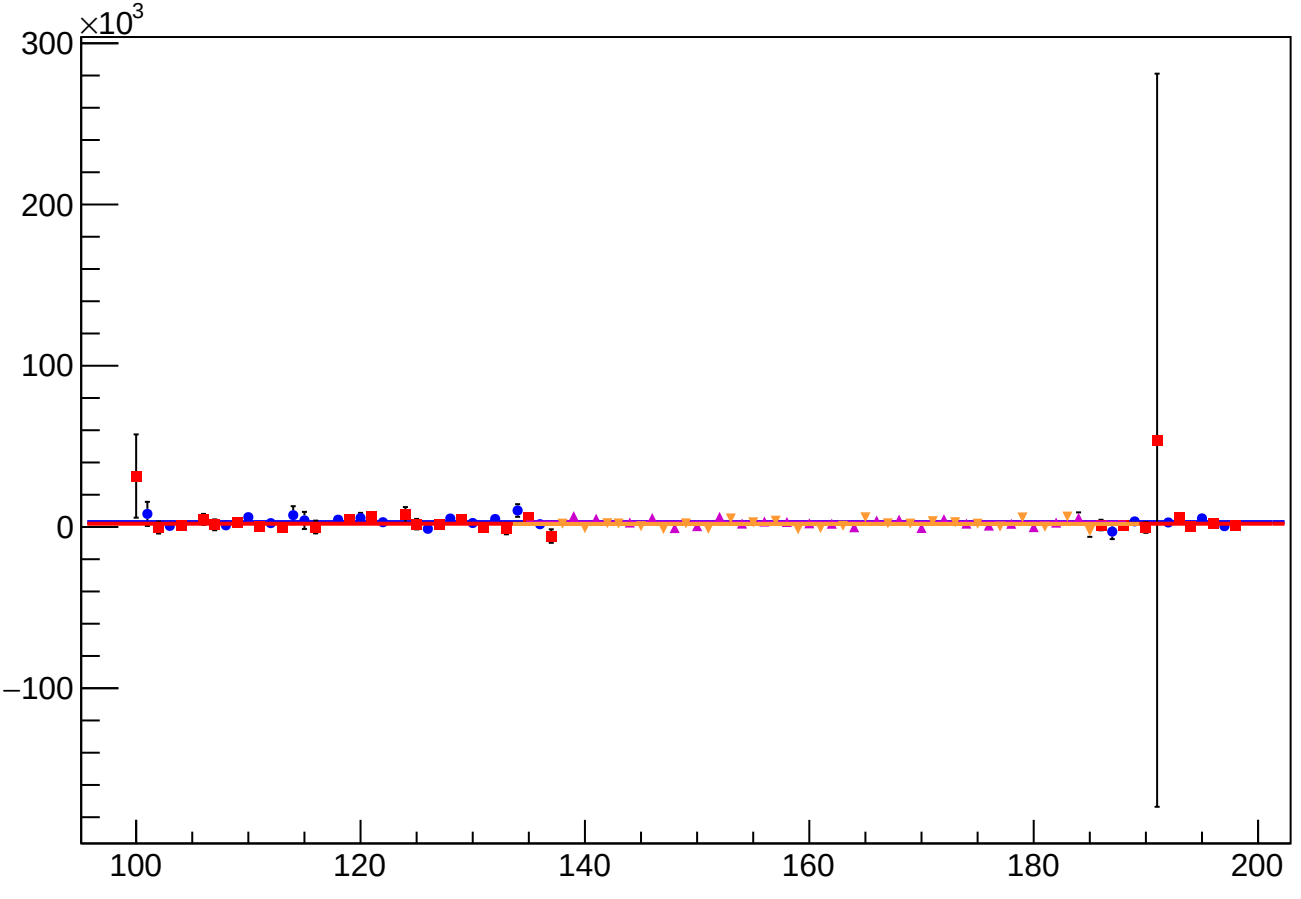
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4295.189+/-0.688 χ^2/NDF: 6692039.5/47

In: 4619.555+/-0.629 χ^2/NDF:3584185.5/43

Out: 4445.689+/-0.588 χ^2/NDF:5725393.0/51

All: 4526.798+/-0.430 χ^2/NDF: 9350340.1/95



Right In: 3027.433+/-605.160 χ^2/NDF: 15.9/20

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2024.896+/-556.025 χ^2/NDF: 21.0/26

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

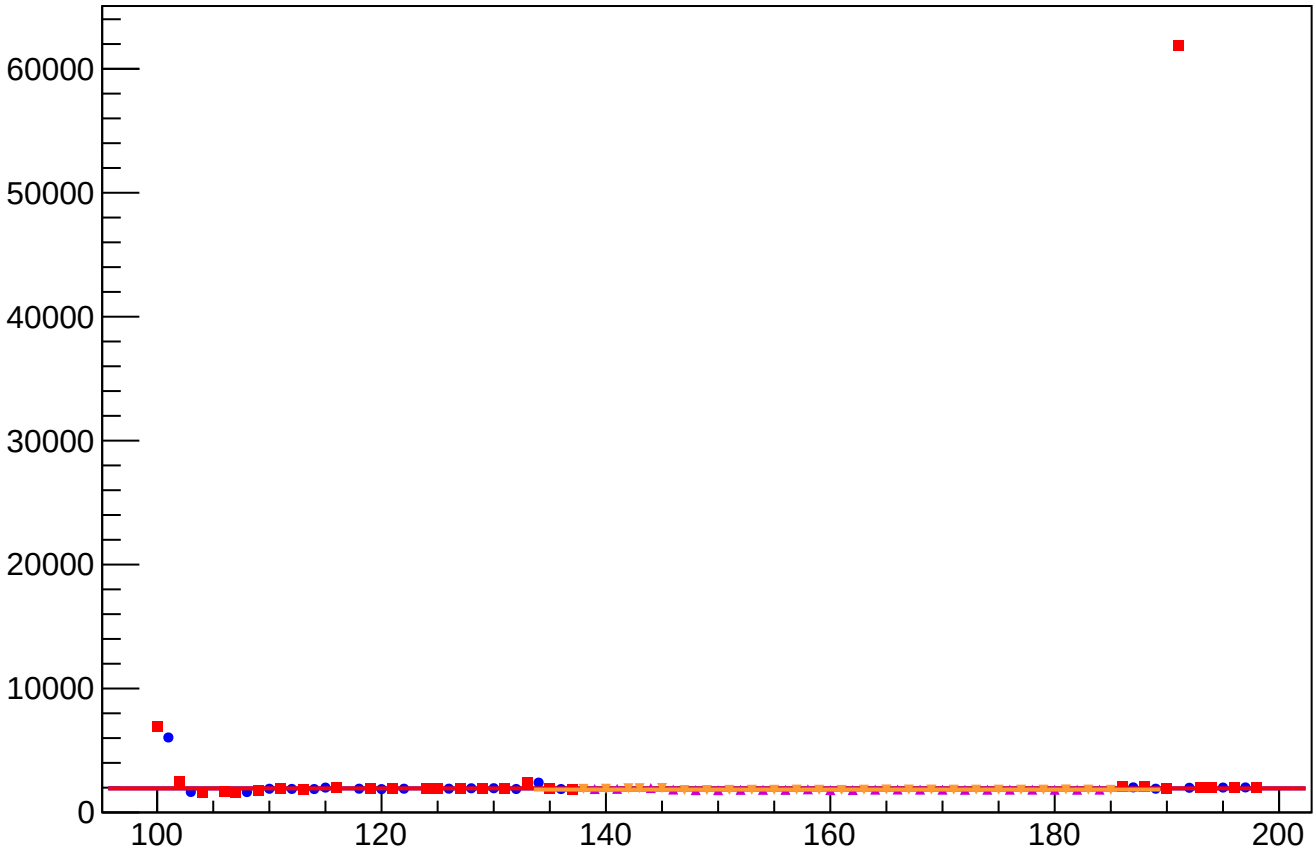
Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

Right: 2483.819+/-409.440 χ^2/NDF: 38.4/47

In: 2860.413+/-350.993 χ^2/NDF:41.4/43

Out: 1914.741+/-335.139 χ^2/NDF:52.6/51

All: 2365.737+/-242.390 χ^2/NDF: 97.8/95



Right In: 1942.340+/-0.428 χ^2/NDF: 705520.0/20

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1941.939+/-0.393 χ^2/NDF: 394684.1/26

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

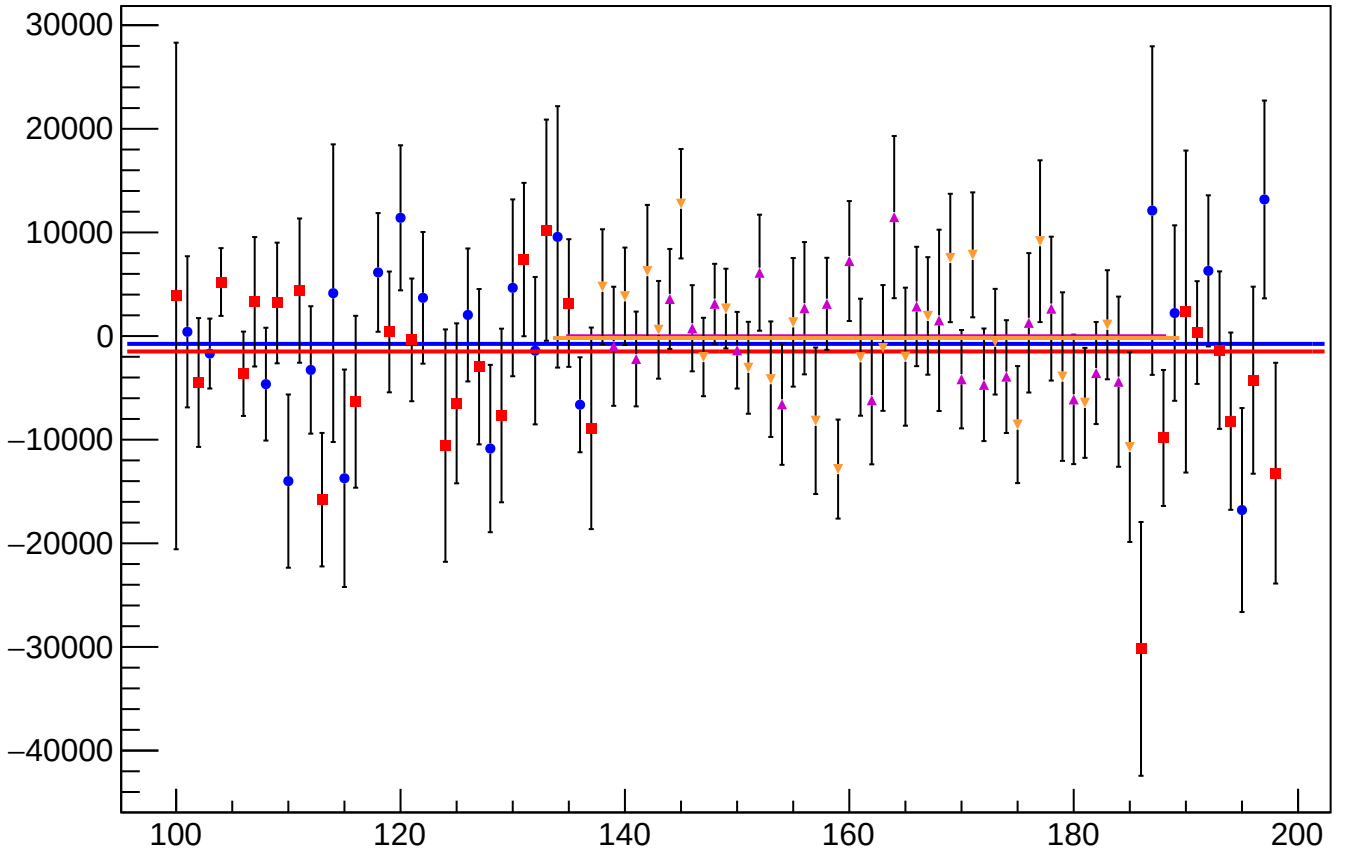
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1942.122+/-0.289 χ^2/NDF: 1100204.5/47

In: 1877.786+/-0.248 χ^2/NDF:753841.6/43

Out: 1882.502+/-0.237 χ^2/NDF:451559.2/51

All: 1880.253+/-0.171 χ^2/NDF: 1205589.7/95



Right In: -755.737+/-1481.055 χ^2/NDF: 20.9/20

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -1487.373+/-1289.464 χ^2/NDF: 26.8/26

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

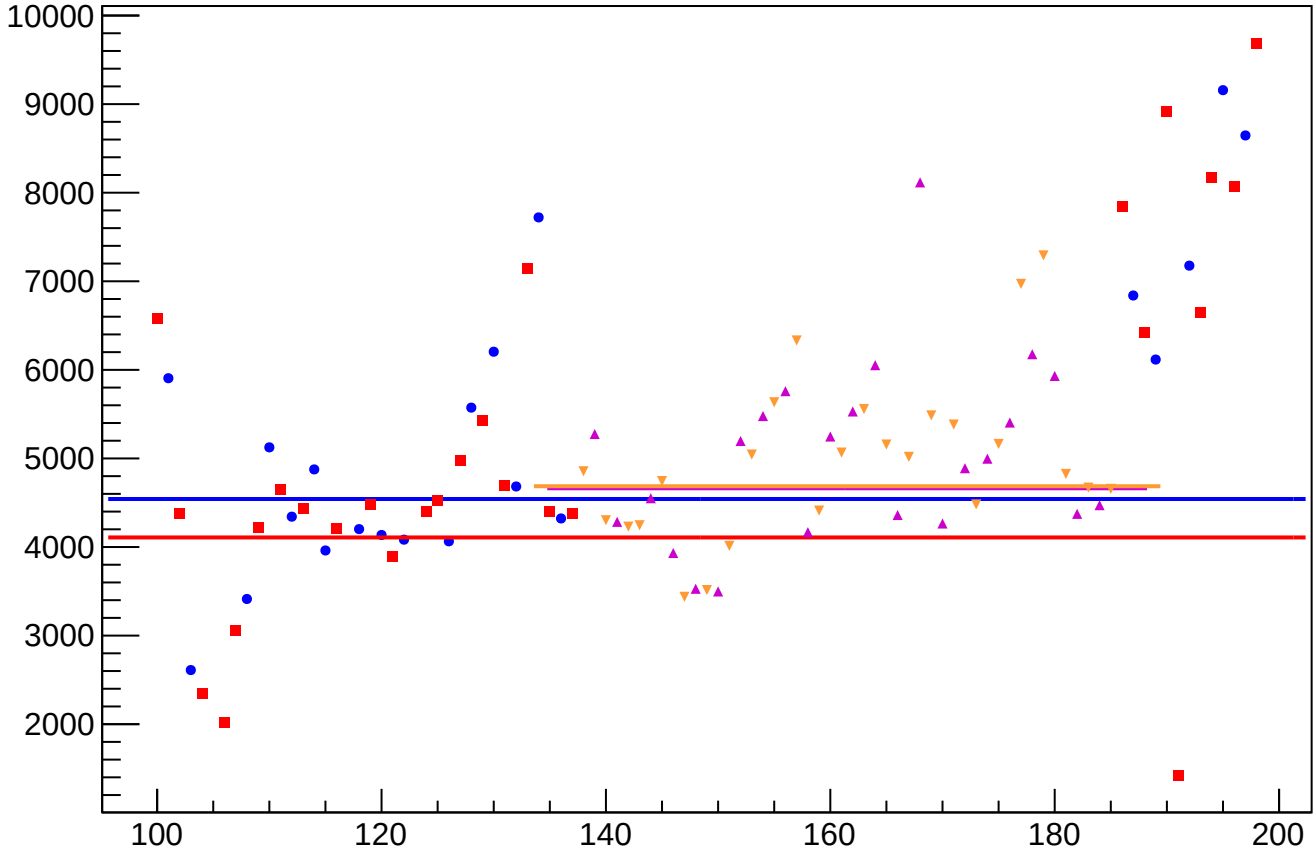
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

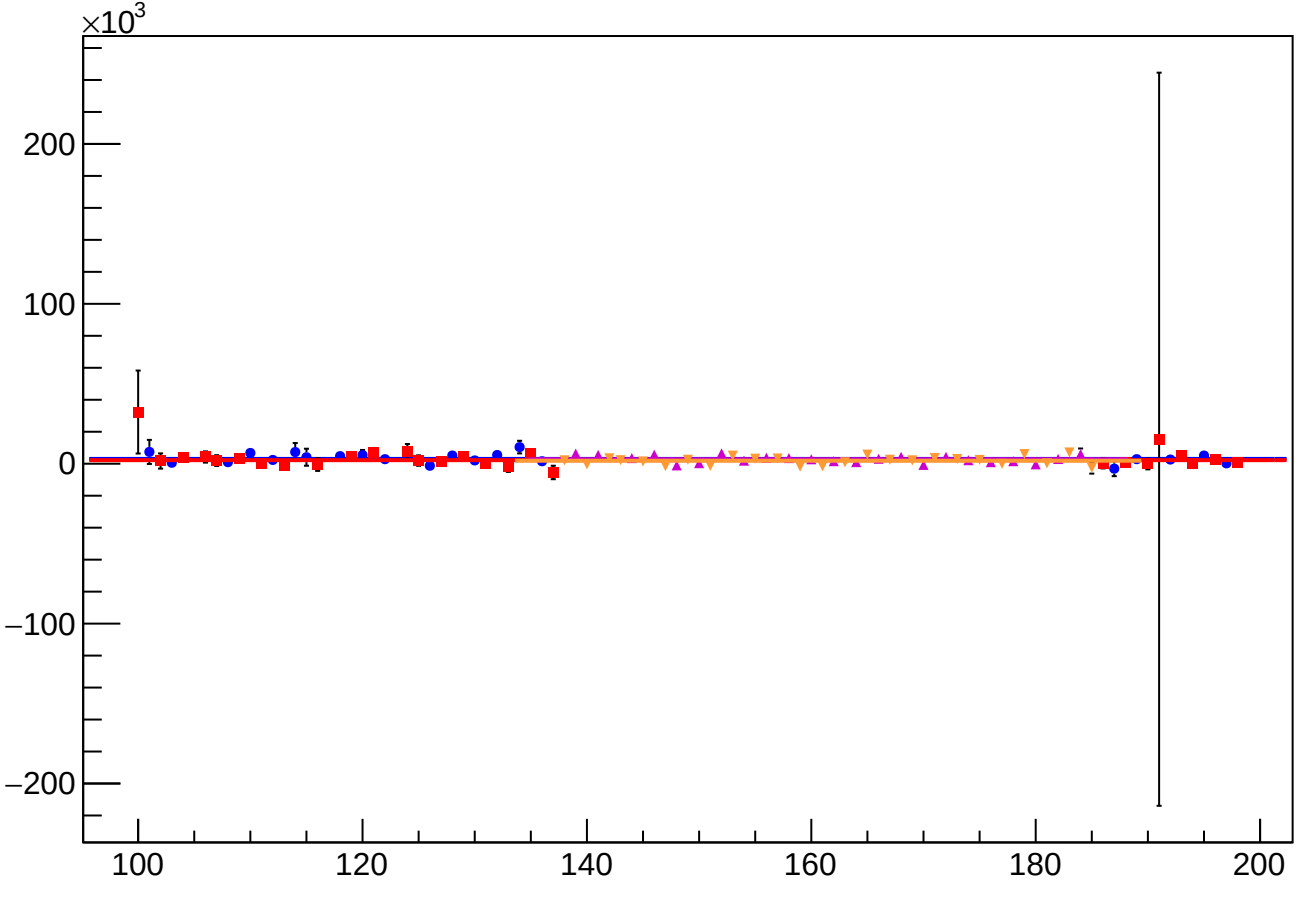
Right: -1171.910+/-972.520 χ^2/NDF: 47.8/47

In: -285.046+/-889.545 χ^2/NDF:34.8/43

Out: -729.590+/-831.820 χ^2/NDF:56.3/51

All: -522.209+/-607.568 χ^2/NDF: 91.2/95


asym_atr_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 4542.081+/-1.047 χ²/NDF: 2288901.9/20
Left Out: 4686.346+/-0.770 χ²/NDF:1185089.0/24
Right Out: 4108.042+/-0.912 χ²/NDF: 4305430.9/26
Left In: 4663.273+/-0.787 χ²/NDF:1286722.8/22
Left: 4675.061+/-0.550 χ²/NDF: 2472251.2/47
Right: 4295.189+/-0.688 χ²/NDF: 6692039.5/47
In: 4619.555+/-0.629 χ²/NDF:3584185.5/43
Out: 4445.689+/-0.588 χ²/NDF:5725393.0/51
All: 4526.798+/-0.430 χ²/NDF: 9350340.1/95



Right In: 2999.084+/-620.871 χ^2/NDF: 16.4/20

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: 2230.541+/-570.450 χ^2/NDF: 21.5/26

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

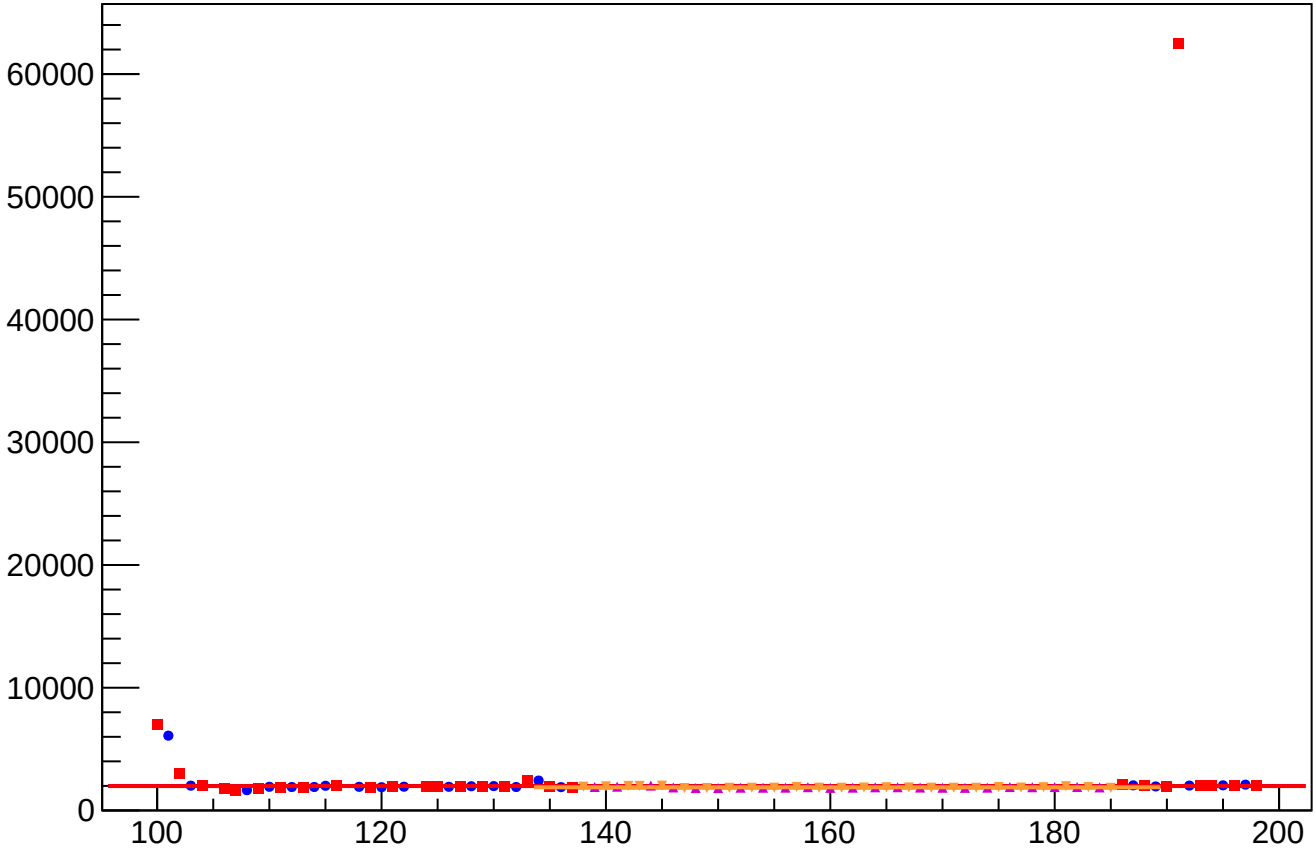
Right: 2582.343+/-420.065 χ^2/NDF: 38.7/47

In: 2865.361+/-358.575 χ^2/NDF:41.9/43

Out: 2007.218+/-342.854 χ^2/NDF:54.7/51

All: 2417.065+/-247.806 χ^2/NDF: 99.5/95

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1994.025+/-0.439 χ^2/NDF: 673174.3/20

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1987.290+/-0.403 χ^2/NDF: 417058.4/26

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

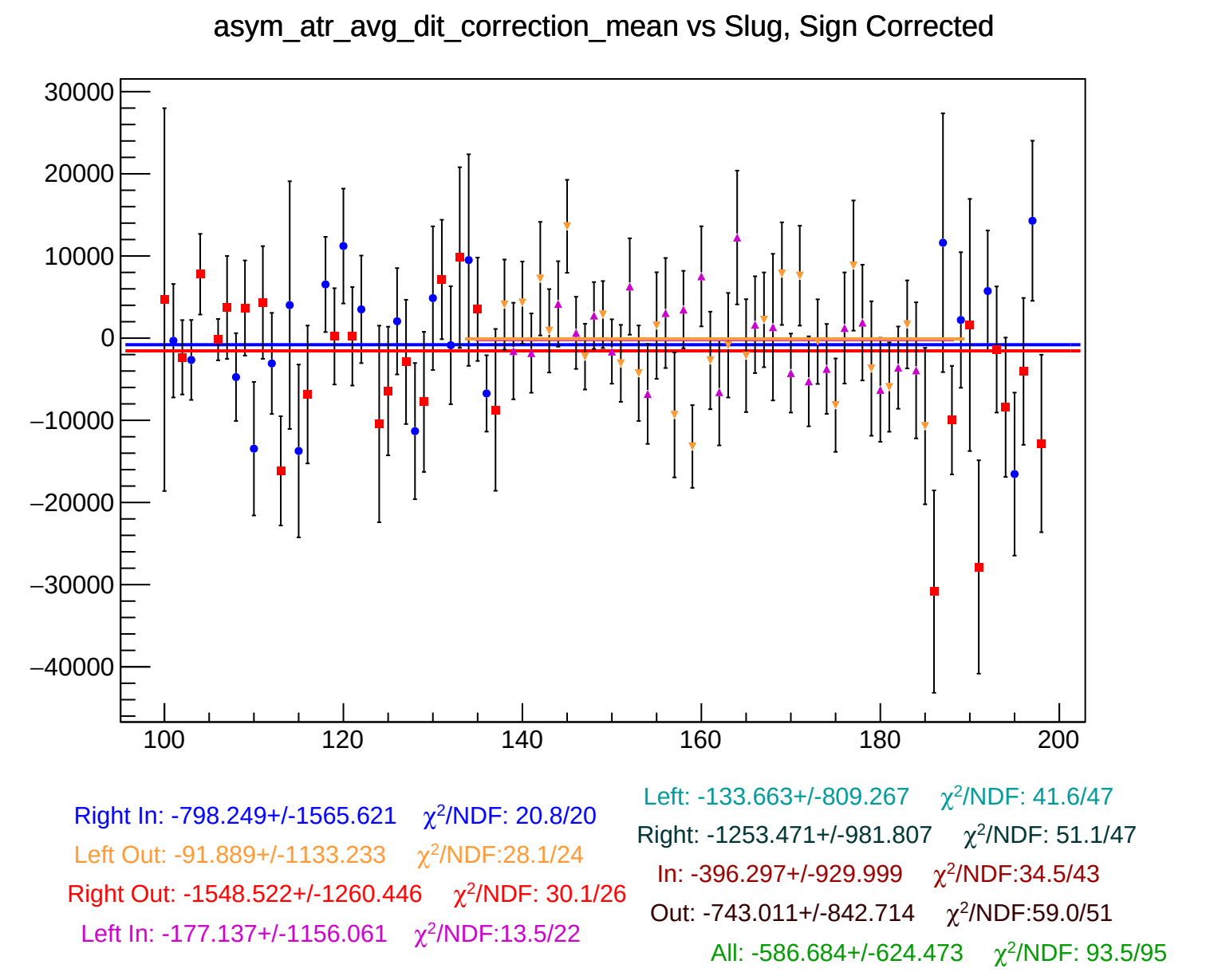
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

Right: 1990.371+/-0.297 χ^2/NDF: 1090360.4/47

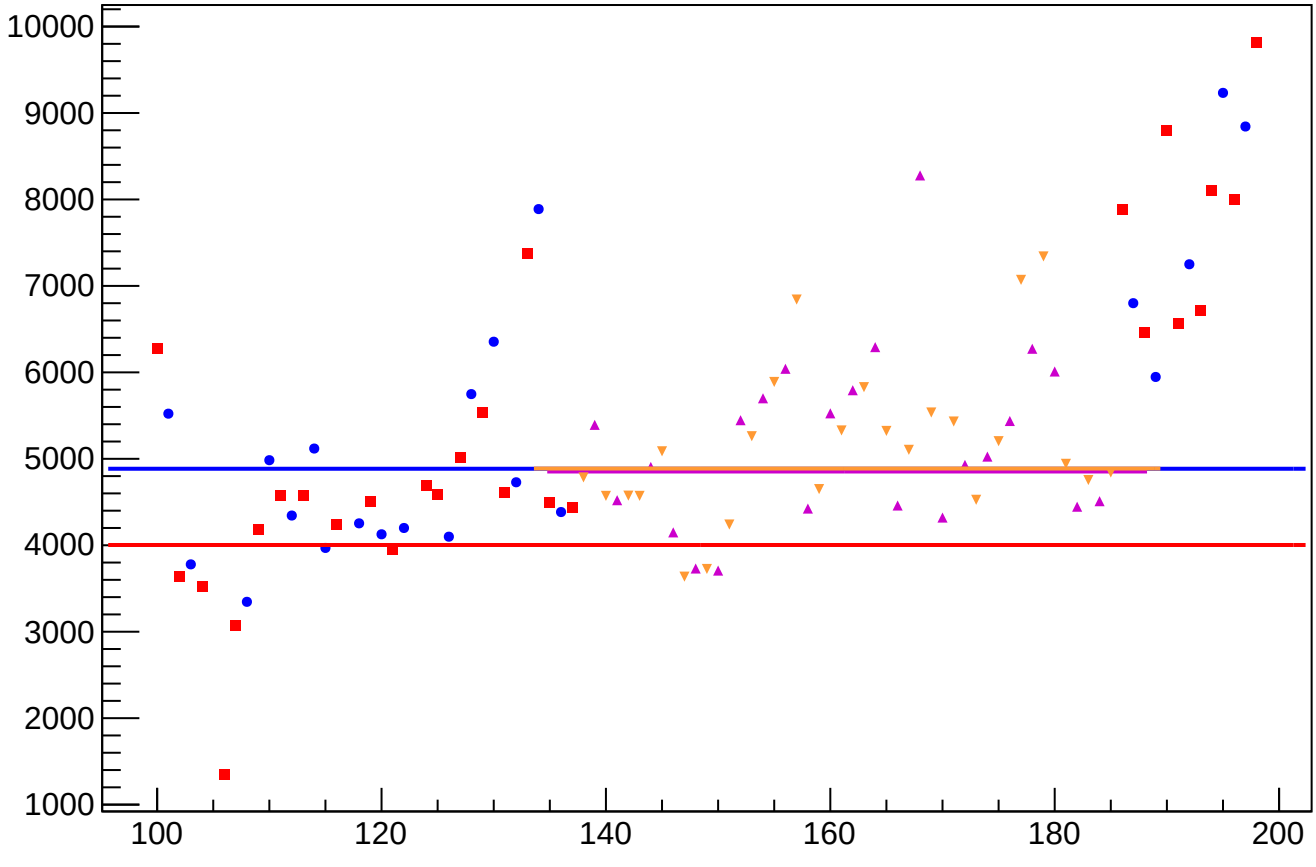
In: 1918.416+/-0.254 χ^2/NDF:736716.8/43

Out: 1923.600+/-0.242 χ^2/NDF:488099.6/51

All: 1921.125+/-0.175 χ^2/NDF: 1225034.8/95


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: -798.249+/-1565.621 χ²/NDF: 20.8/20
Left Out: -91.889+/-1133.233 χ²/NDF:28.1/24
Right Out: -1548.522+/-1260.446 χ²/NDF: 30.1/26
Left In: -177.137+/-1156.061 χ²/NDF:13.5/22
Left: -133.663+/-809.267 χ²/NDF: 41.6/47
Right: -1253.471+/-981.807 χ²/NDF: 51.1/47
In: -396.297+/-929.999 χ²/NDF:34.5/43
Out: -743.011+/-842.714 χ²/NDF:59.0/51
All: -586.684+/-624.473 χ²/NDF: 93.5/95

asym_atr_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 4885.068+/-1.107 χ^2/NDF: 1611301.2/20

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 4003.176+/-0.891 χ^2/NDF: 5154798.6/26

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

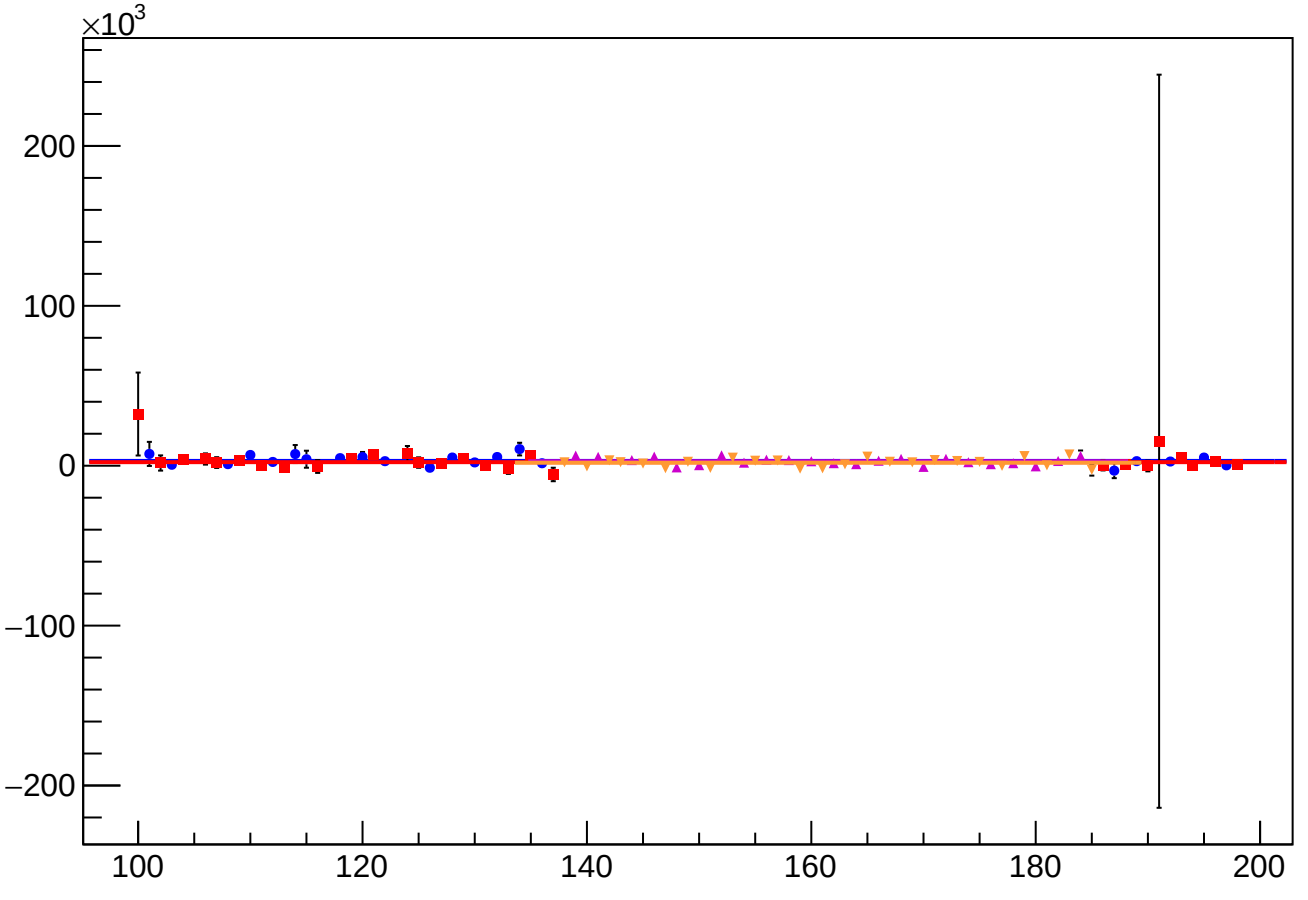
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 4349.988+/-0.694 χ^2/NDF: 7151126.5/47

In: 4864.550+/-0.658 χ^2/NDF:2790468.9/43

Out: 4492.382+/-0.596 χ^2/NDF:6762904.7/51

All: 4660.185+/-0.442 χ^2/NDF: 9729251.3/95



Right In: 2999.085+/-620.871 χ^2/NDF: 16.4/20

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: 2230.542+/-570.450 χ^2/NDF: 21.5/26

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

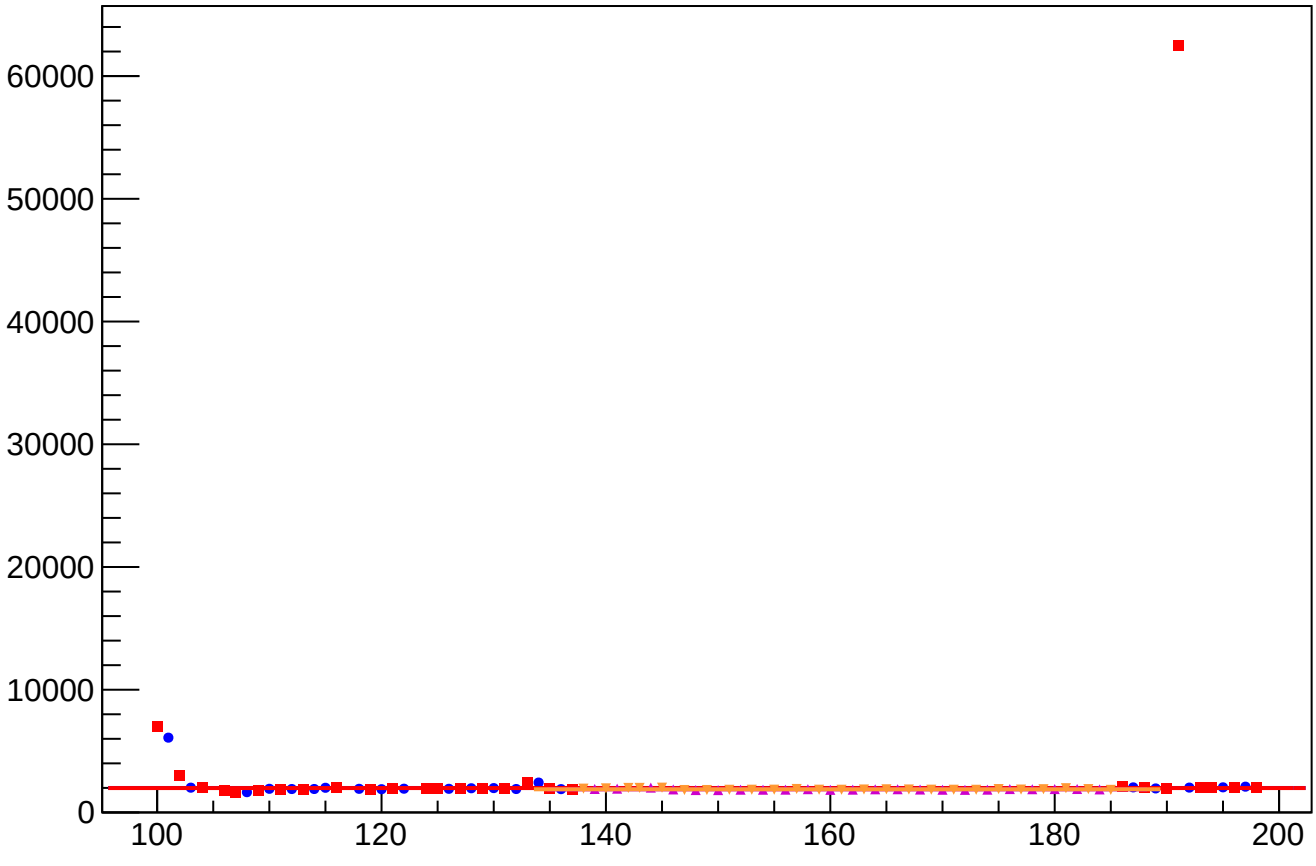
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2582.344+/-420.065 χ^2/NDF: 38.7/47

In: 2865.361+/-358.576 χ^2/NDF:41.9/43

Out: 2007.215+/-342.854 χ^2/NDF:54.7/51

All: 2417.064+/-247.806 χ^2/NDF: 99.5/95



Right In: 1994.025+/-0.439 χ^2/NDF: 673174.4/20

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 1987.290+/-0.403 χ^2/NDF: 417058.0/26

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

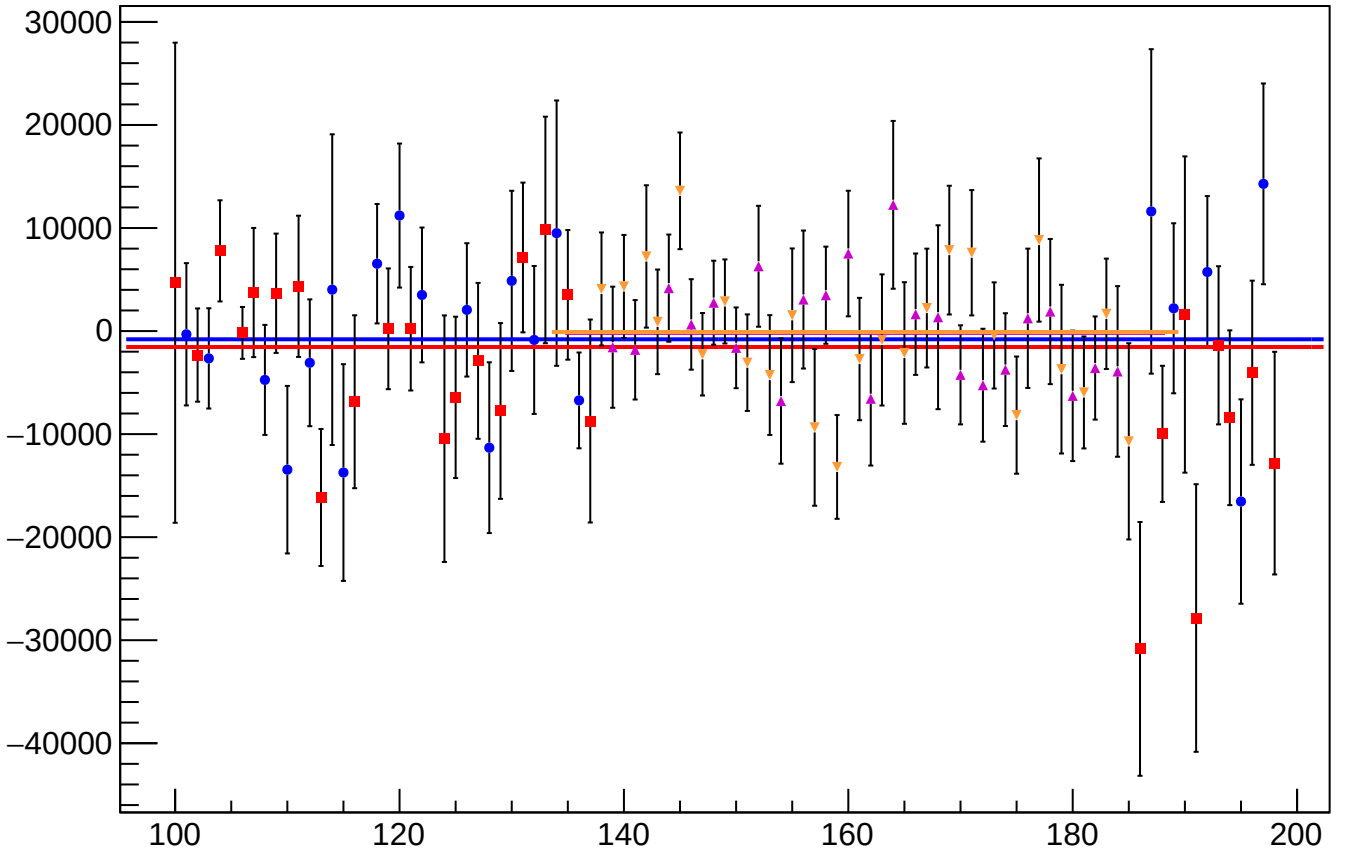
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

Right: 1990.371+/-0.297 χ^2/NDF: 1090360.1/47

In: 1918.416+/-0.254 χ^2/NDF:736716.0/43

Out: 1923.601+/-0.242 χ^2/NDF:488098.5/51

All: 1921.125+/-0.175 χ^2/NDF: 1225033.0/95



Right In: -798.234+/-1565.619 χ^2/NDF: 20.8/20

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: -1548.518+/-1260.444 χ^2/NDF: 30.1/26

Left In: -177.140+/-1156.062 χ^2/NDF:13.5/22

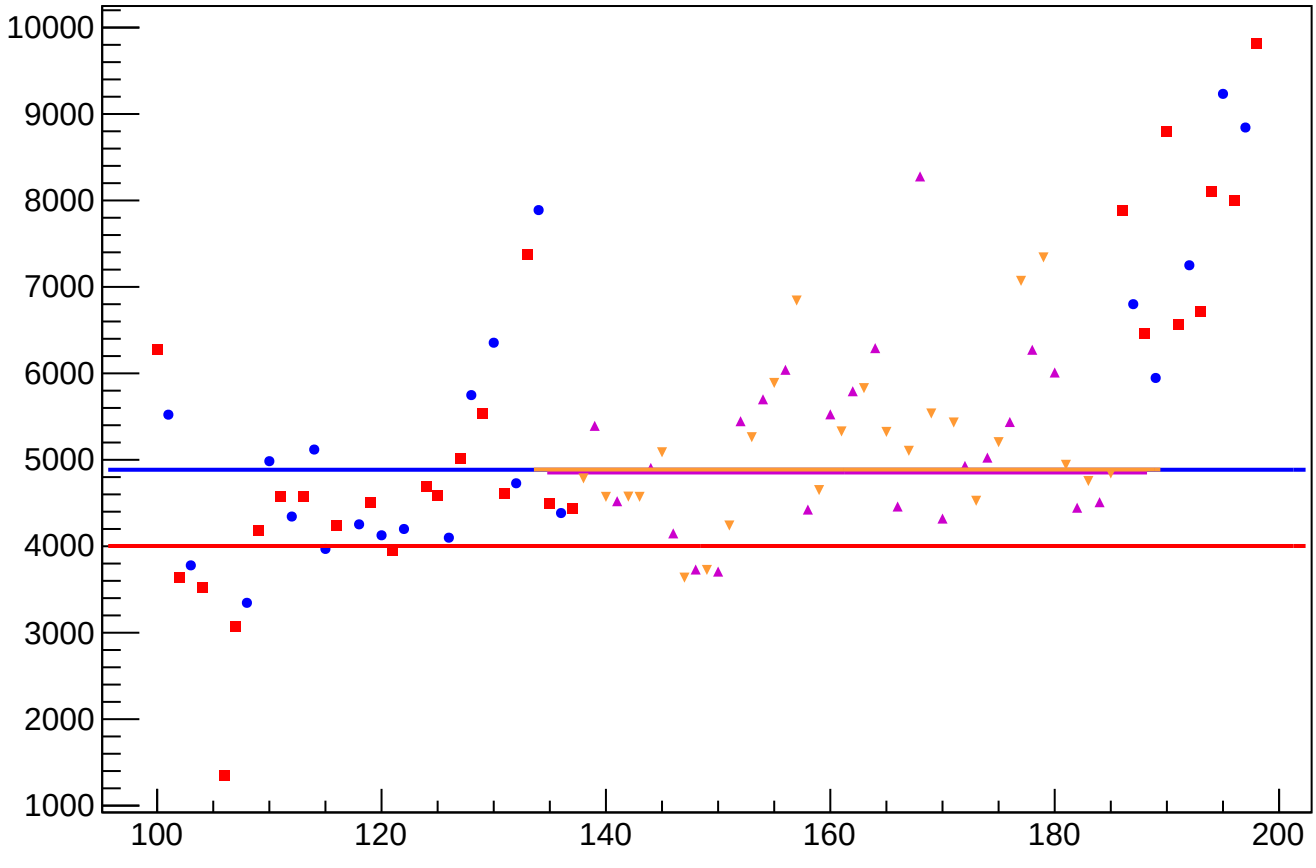
Left: -133.666+/-809.268 χ^2/NDF: 41.6/47

Right: -1253.462+/-981.805 χ^2/NDF: 51.1/47

In: -396.295+/-930.000 χ^2/NDF:34.5/43

Out: -743.013+/-842.714 χ^2/NDF:59.0/51

All: -586.684+/-624.473 χ^2/NDF: 93.5/95



Right In: 4885.061+/-1.107 χ^2/NDF: 1611307.2/20

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4003.167+/-0.891 χ^2/NDF: 5154817.9/26

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

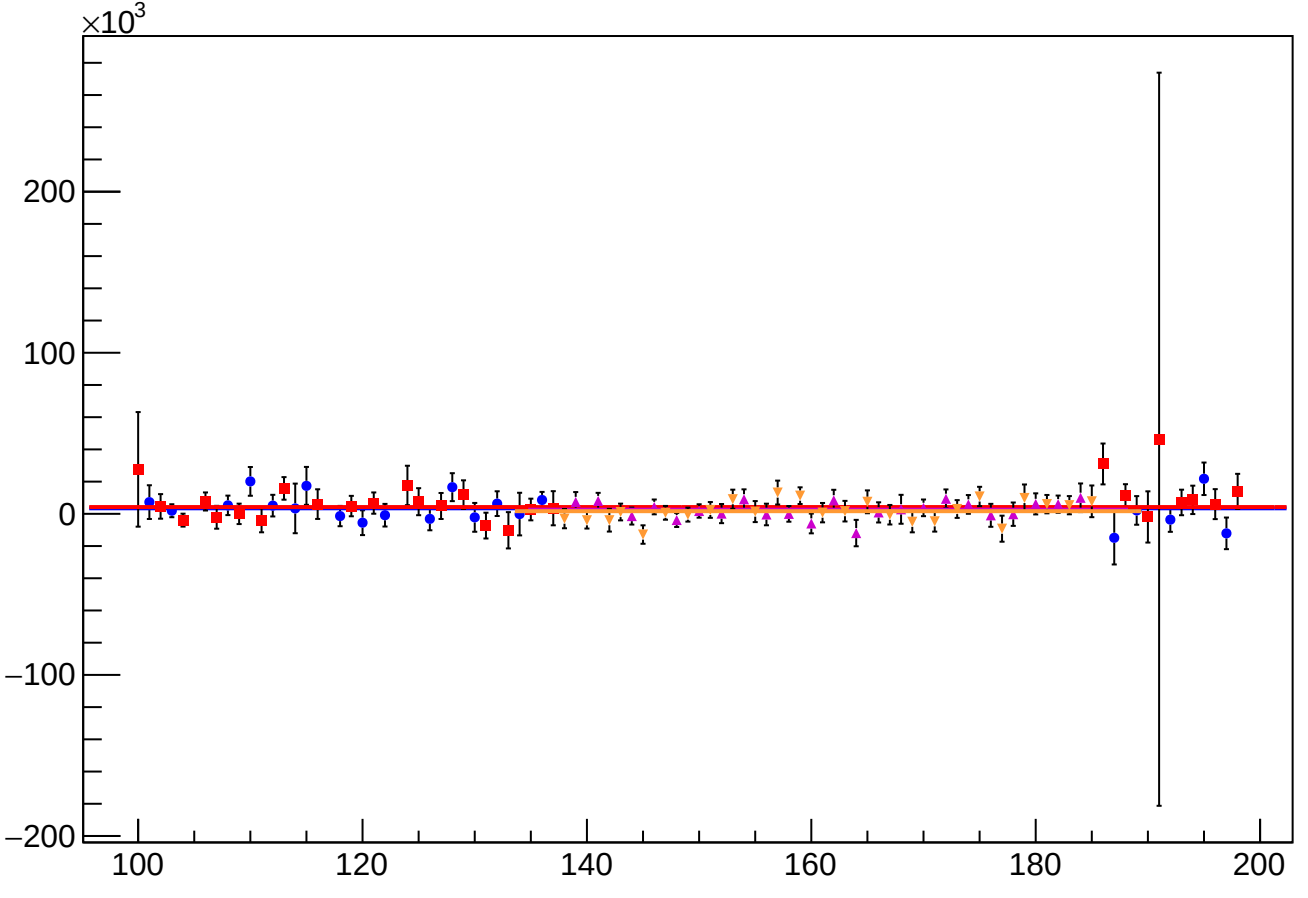
Right: 4349.979+/-0.694 χ^2/NDF: 7151154.7/47

In: 4864.553+/-0.658 χ^2/NDF:2790476.9/43

Out: 4492.380+/-0.596 χ^2/NDF:6762946.4/51

All: 4660.186+/-0.442 χ^2/NDF: 9729304.3/95

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3437.690+/-1646.457 χ^2/NDF: 20.4/20

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: 4203.321+/-1511.552 χ^2/NDF: 23.1/26

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

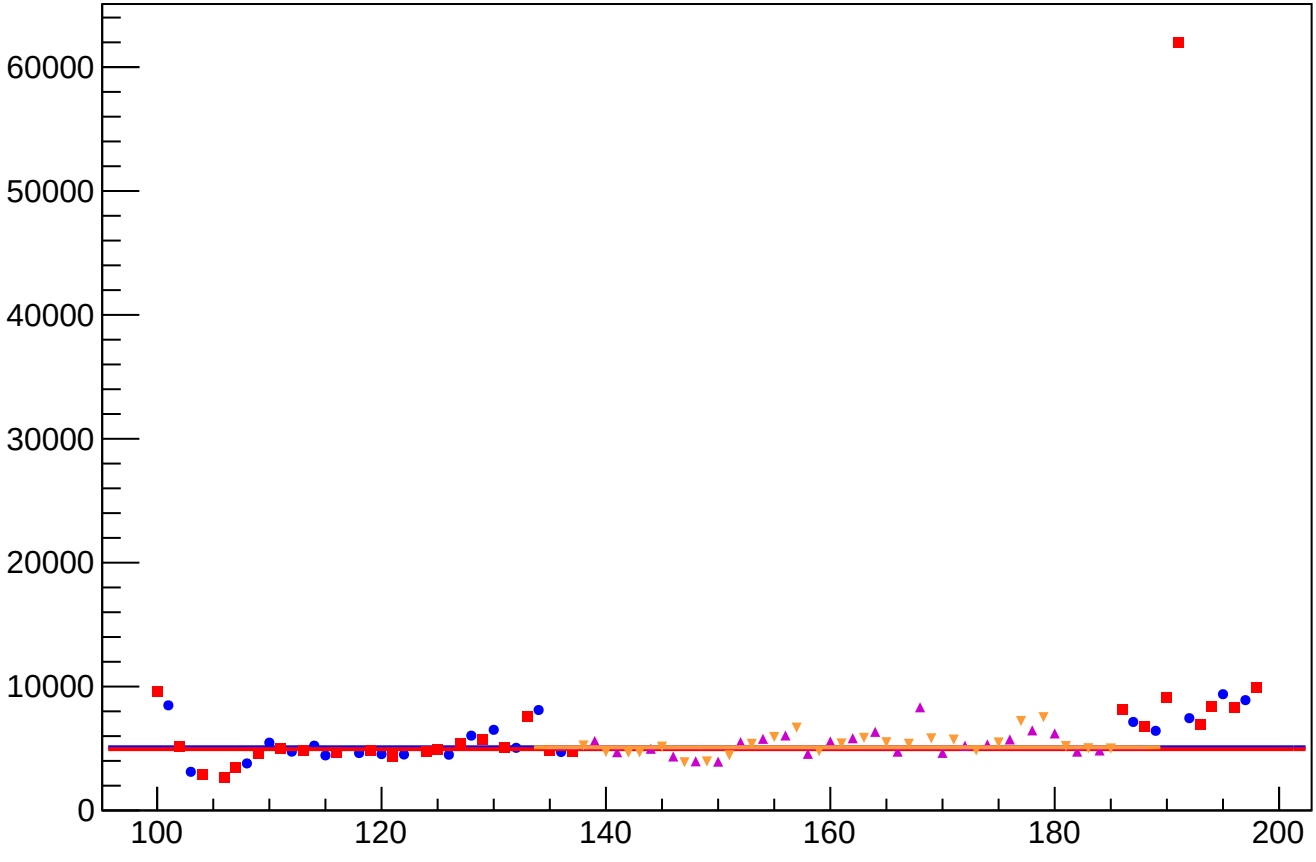
Right: 3853.152+/-1113.472 χ^2/NDF: 43.6/47

In: 2868.309+/-972.105 χ^2/NDF:36.5/43

Out: 2618.335+/-929.477 χ^2/NDF:50.9/51

All: 2737.721+/-671.804 χ^2/NDF: 87.4/95

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 5097.158+/-1.164 χ^2/NDF: 1969216.5/20

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 4950.316+/-1.061 χ^2/NDF: 2861175.0/26

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

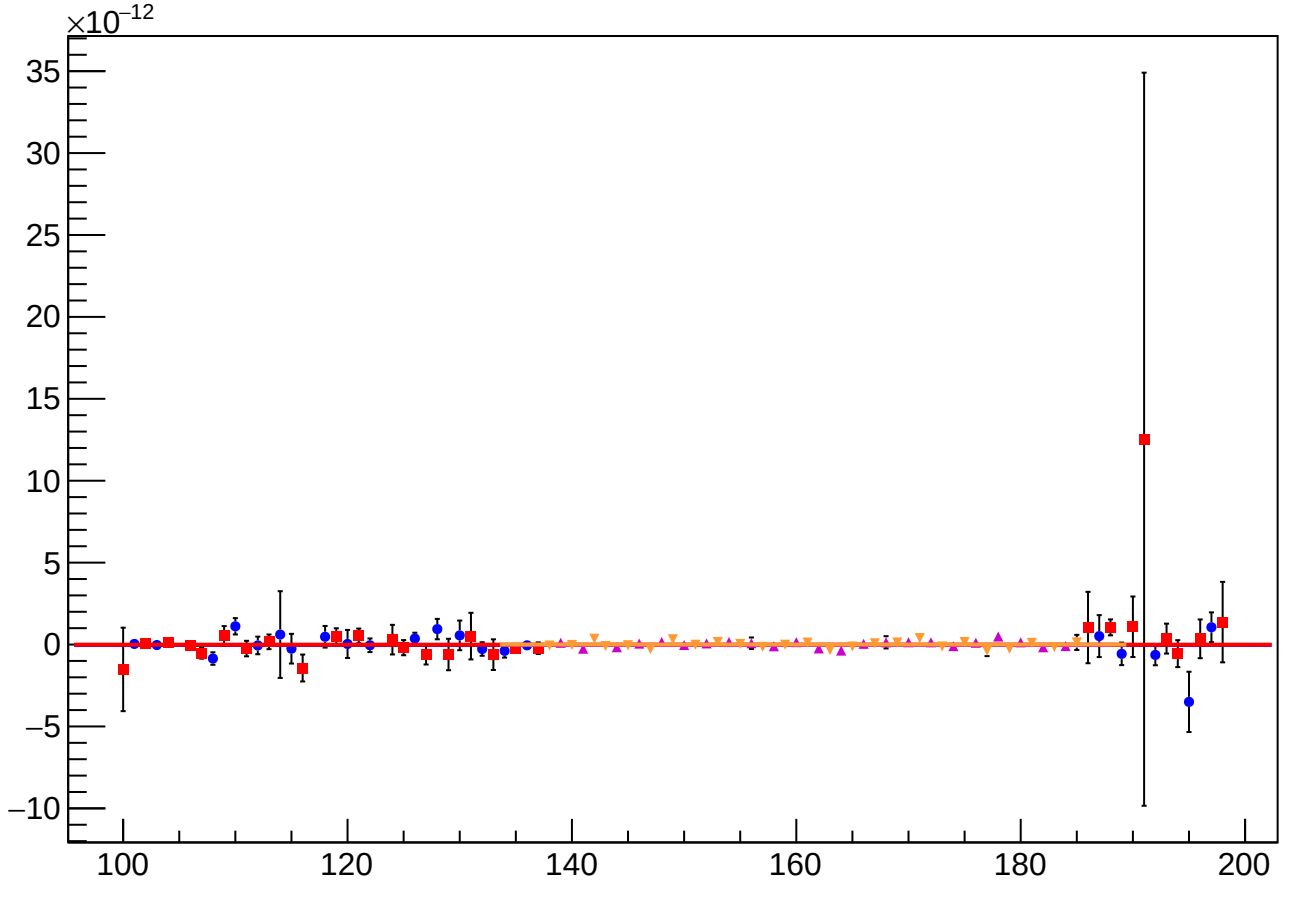
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 5016.957+/-0.784 χ^2/NDF: 4839080.2/47

In: 5081.775+/-0.687 χ^2/NDF:2961399.9/43

Out: 5043.296+/-0.655 χ^2/NDF:3782916.0/51

All: 5061.621+/-0.474 χ^2/NDF: 6745957.2/95



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

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

Left In: -0.000+/-0.000 χ^2/NDF:32.4/22

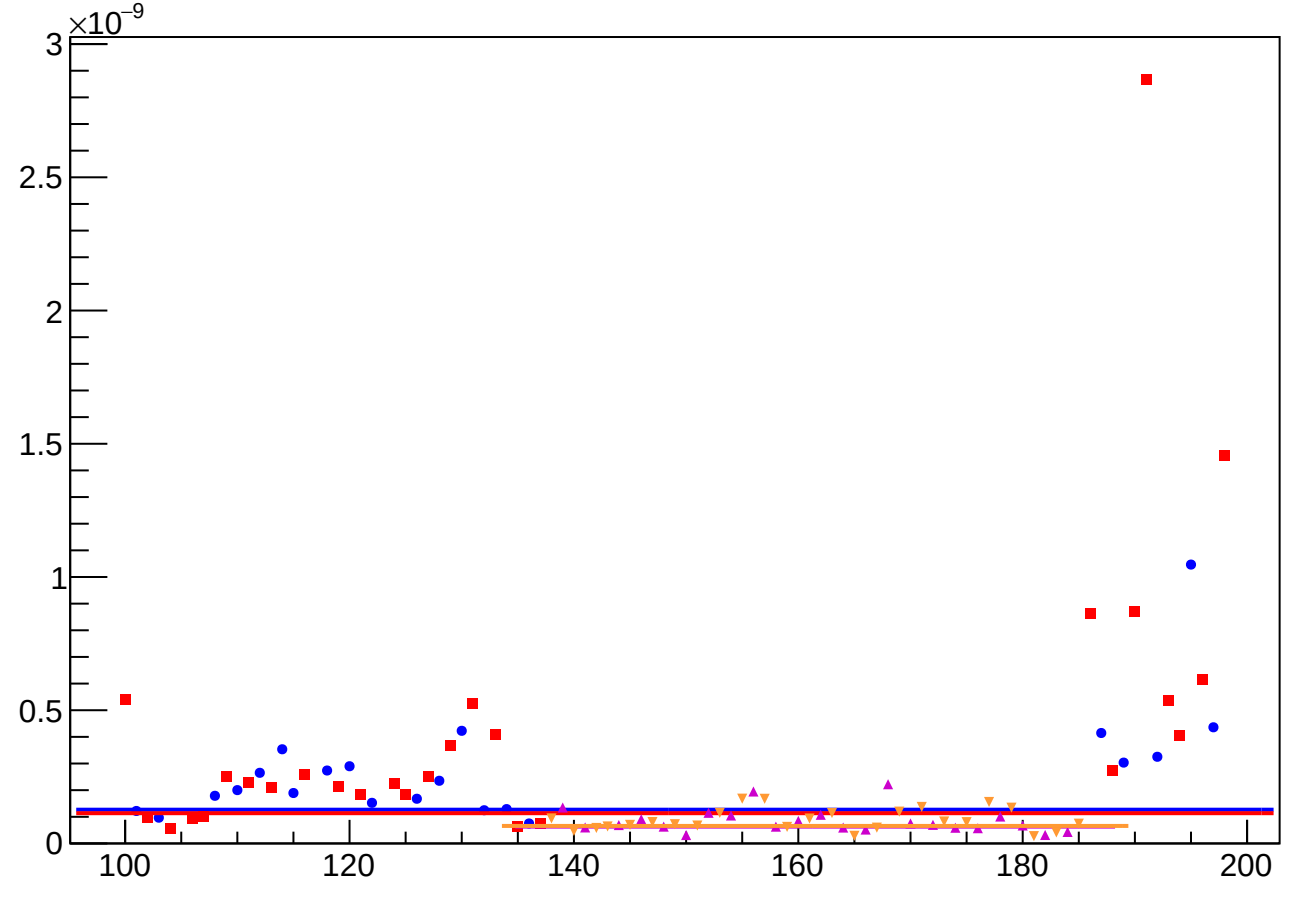
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 44.4/47

In: -0.000+/-0.000 χ^2/NDF:55.1/43

Out: -0.000+/-0.000 χ^2/NDF:55.1/51

All: -0.000+/-0.000 χ^2/NDF: 110.4/95



Right In: 0.000+/-0.000 χ^2/NDF: 2296503.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4369465.2/26

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

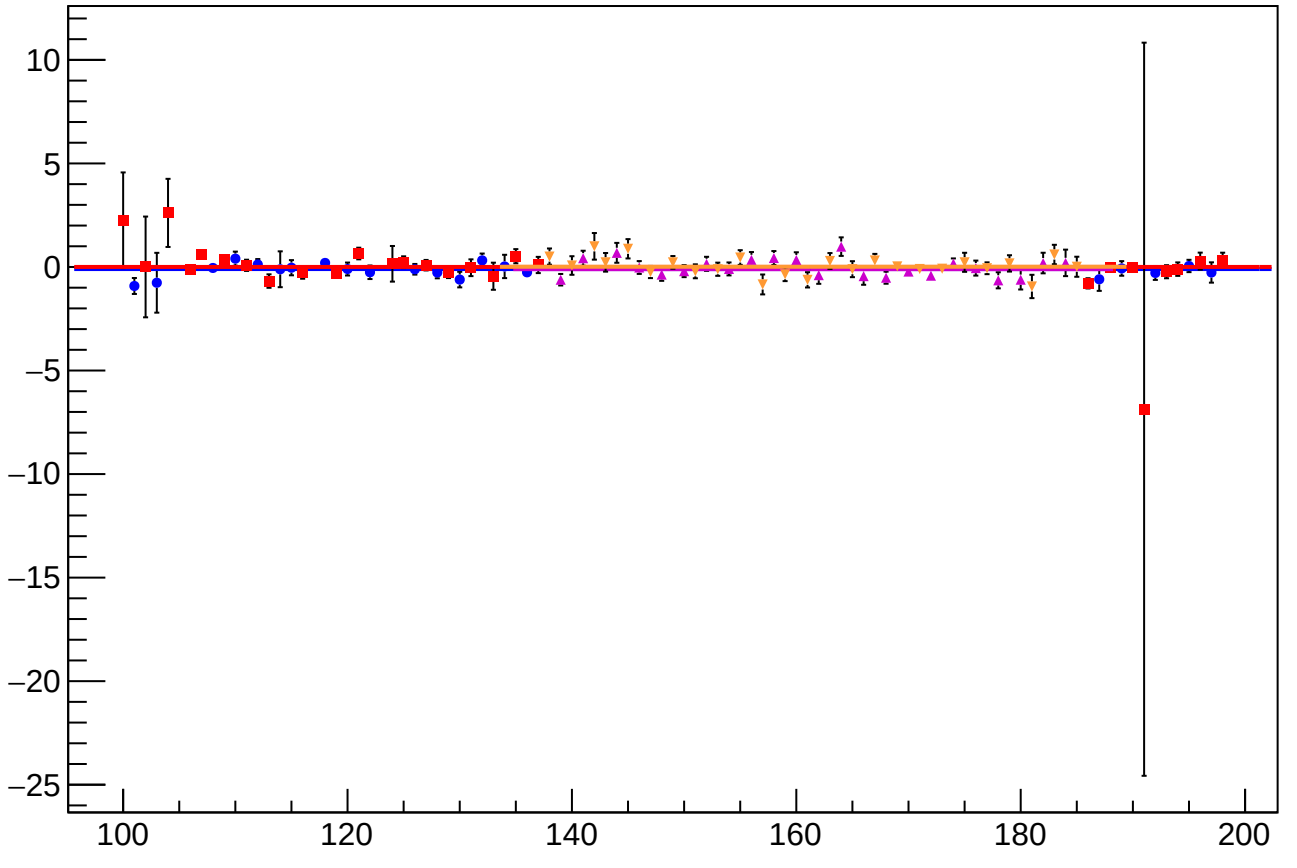
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 6698716.0/47

In: 0.000+/-0.000 χ^2/NDF:5786737.2/43

Out: 0.000+/-0.000 χ^2/NDF:7628179.2/51

All: 0.000+/-0.000 χ^2/NDF: 13416695.0/95



Right In: -0.100+/-0.070 χ^2/NDF: 15.4/20

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.002+/-0.055 χ^2/NDF: 42.0/26

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

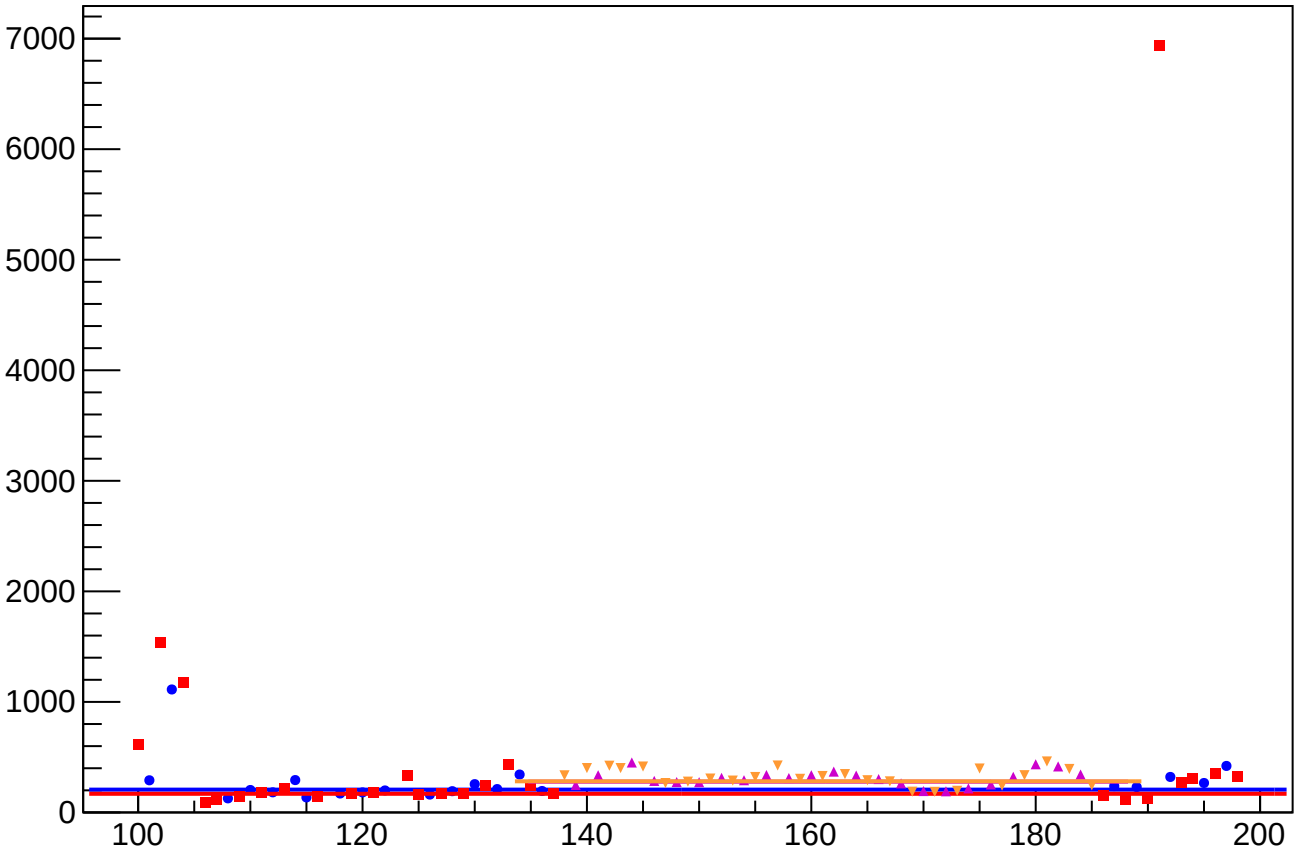
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.037+/-0.043 χ^2/NDF: 58.7/47

In: -0.103+/-0.049 χ^2/NDF:46.8/43

Out: 0.006+/-0.043 χ^2/NDF:67.2/51

All: -0.041+/-0.032 χ^2/NDF: 116.8/95



Right In: 206.551+/-0.049 χ^2/NDF: 2273813.2/20

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 168.745+/-0.039 χ^2/NDF: 4639379.3/26

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

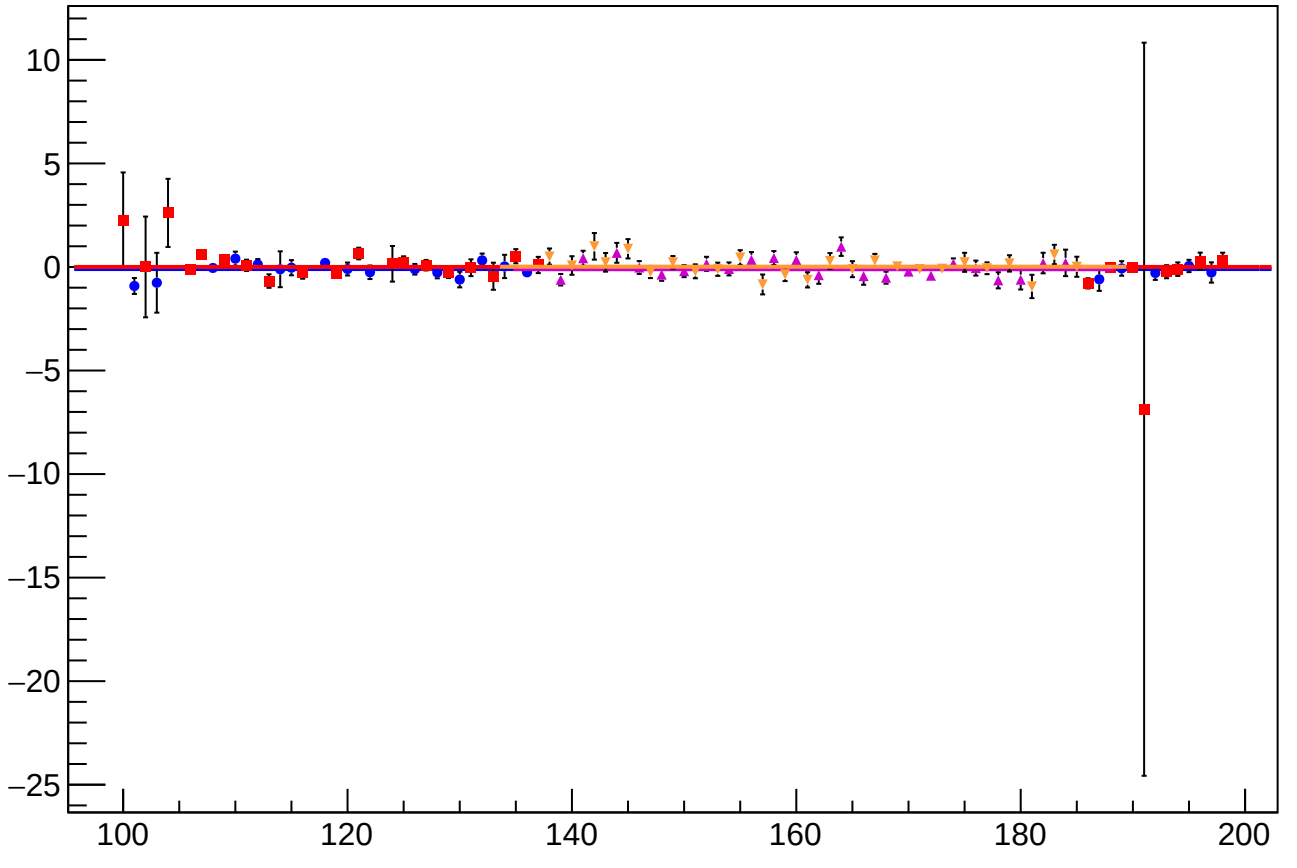
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 183.310+/-0.031 χ^2/NDF: 7273851.2/47

In: 243.106+/-0.035 χ^2/NDF:5151740.6/43

Out: 213.679+/-0.030 χ^2/NDF:10488116.3/51

All: 226.468+/-0.023 χ^2/NDF: 16048921.8/95



Right In: -0.100+/-0.070 χ^2/NDF: 15.4/20

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.002+/-0.055 χ^2/NDF: 42.0/26

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

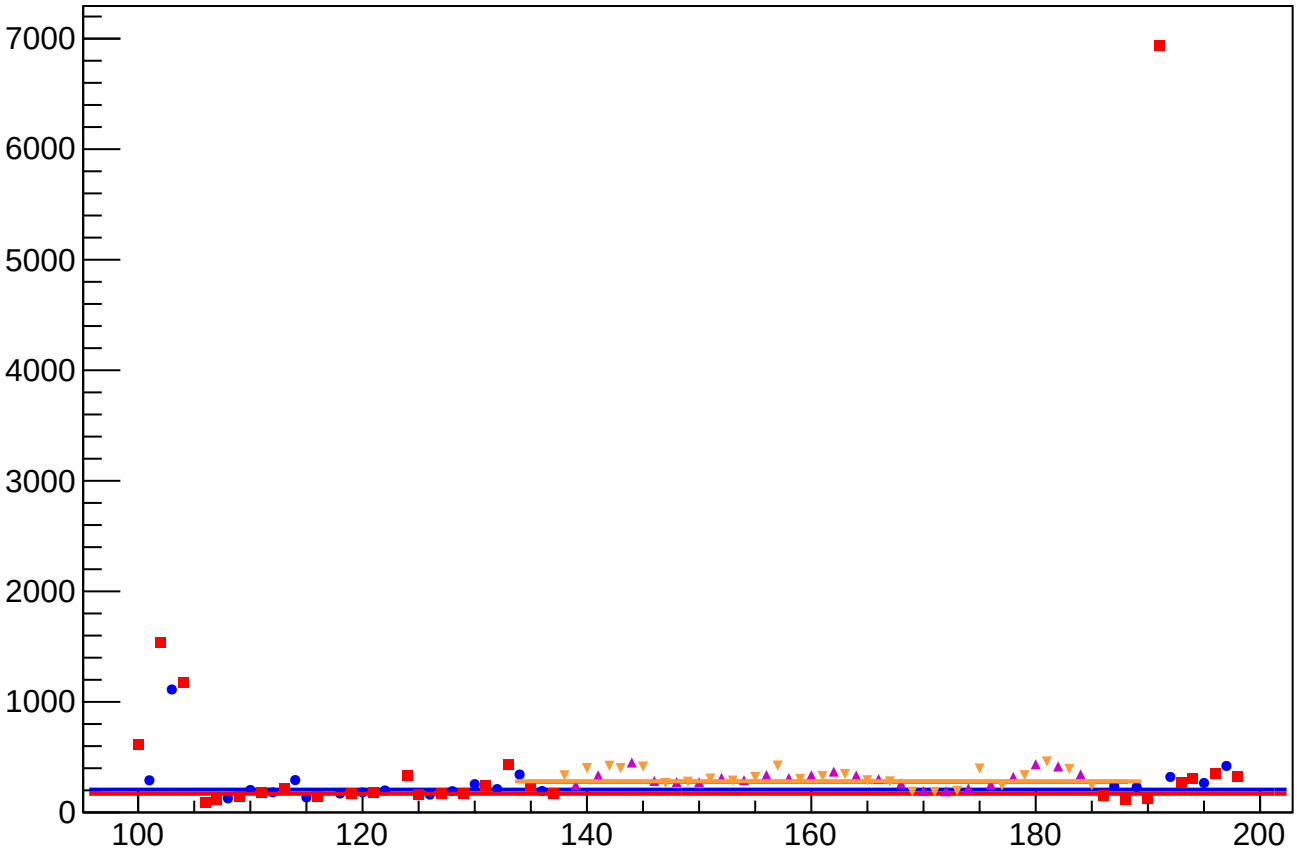
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.037+/-0.043 χ^2/NDF: 58.7/47

In: -0.103+/-0.049 χ^2/NDF:46.8/43

Out: 0.006+/-0.043 χ^2/NDF:67.2/51

All: -0.041+/-0.032 χ^2/NDF: 116.8/95



Right In: 206.551+/-0.049 χ^2/NDF: 2273813.2/20

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 168.745+/-0.039 χ^2/NDF: 4639379.3/26

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

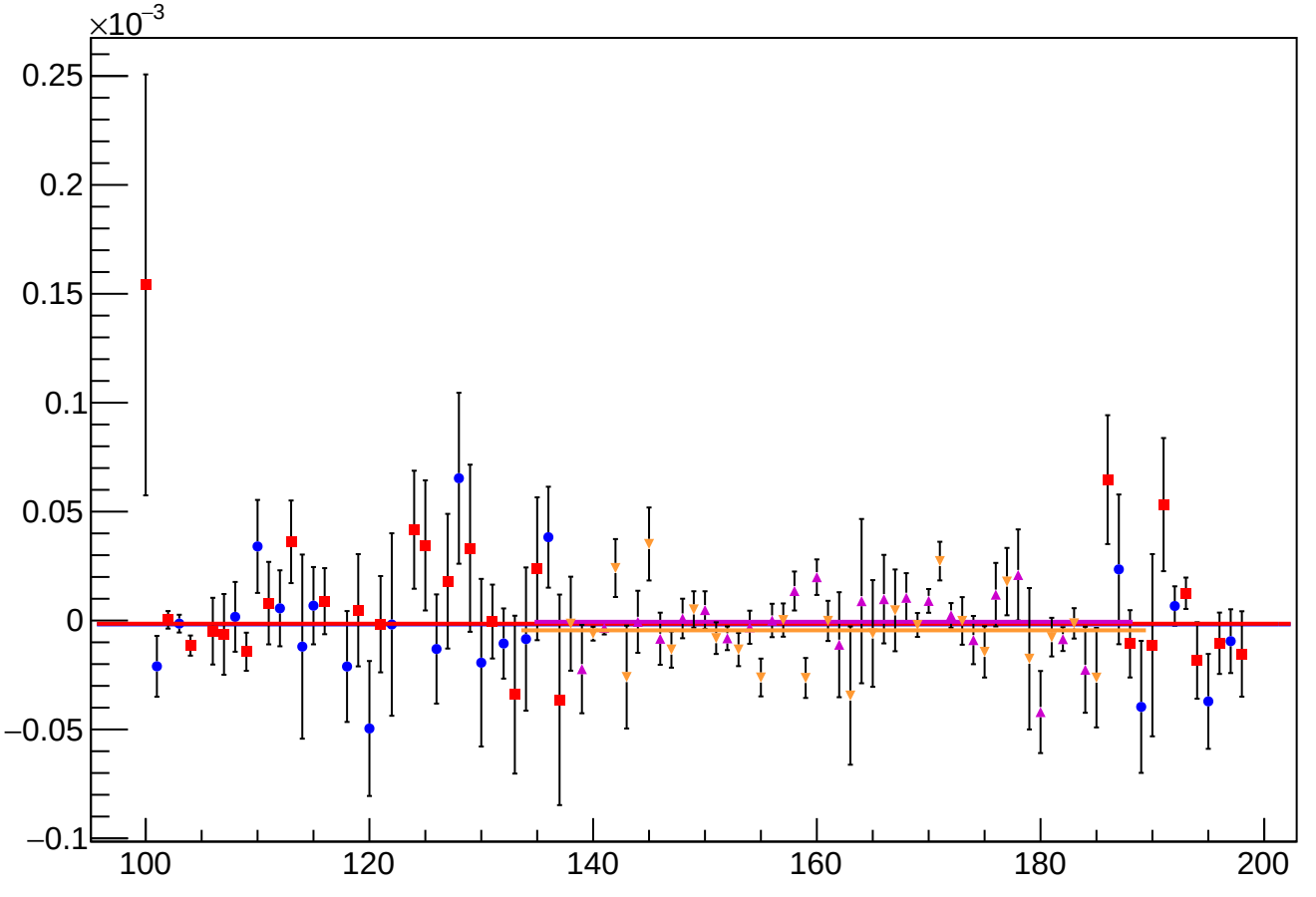
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 183.310+/-0.031 χ^2/NDF: 7273851.2/47

In: 243.106+/-0.035 χ^2/NDF:5151740.6/43

Out: 213.679+/-0.030 χ^2/NDF:10488116.3/51

All: 226.468+/-0.023 χ^2/NDF: 16048921.8/95



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.9/26

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

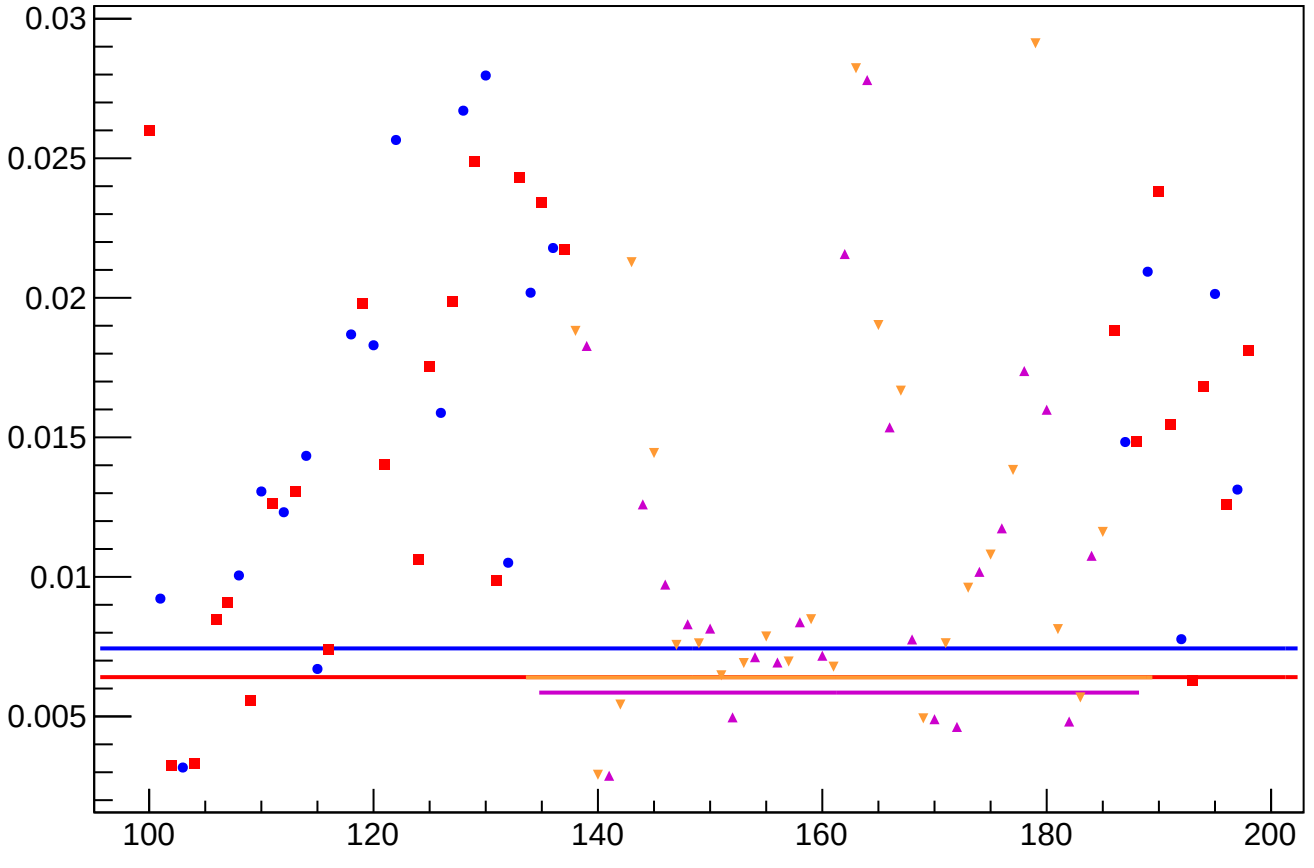
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

Right: -0.000+/-0.000 χ^2/NDF: 56.6/47

In: -0.000+/-0.000 χ^2/NDF:49.9/43

Out: -0.000+/-0.000 χ^2/NDF:83.3/51

All: -0.000+/-0.000 χ^2/NDF: 134.9/95



Right In: 0.007+/-0.000 χ^2/NDF: 7537555.9/20

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.006+/-0.000 χ^2/NDF: 9311048.5/26

Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

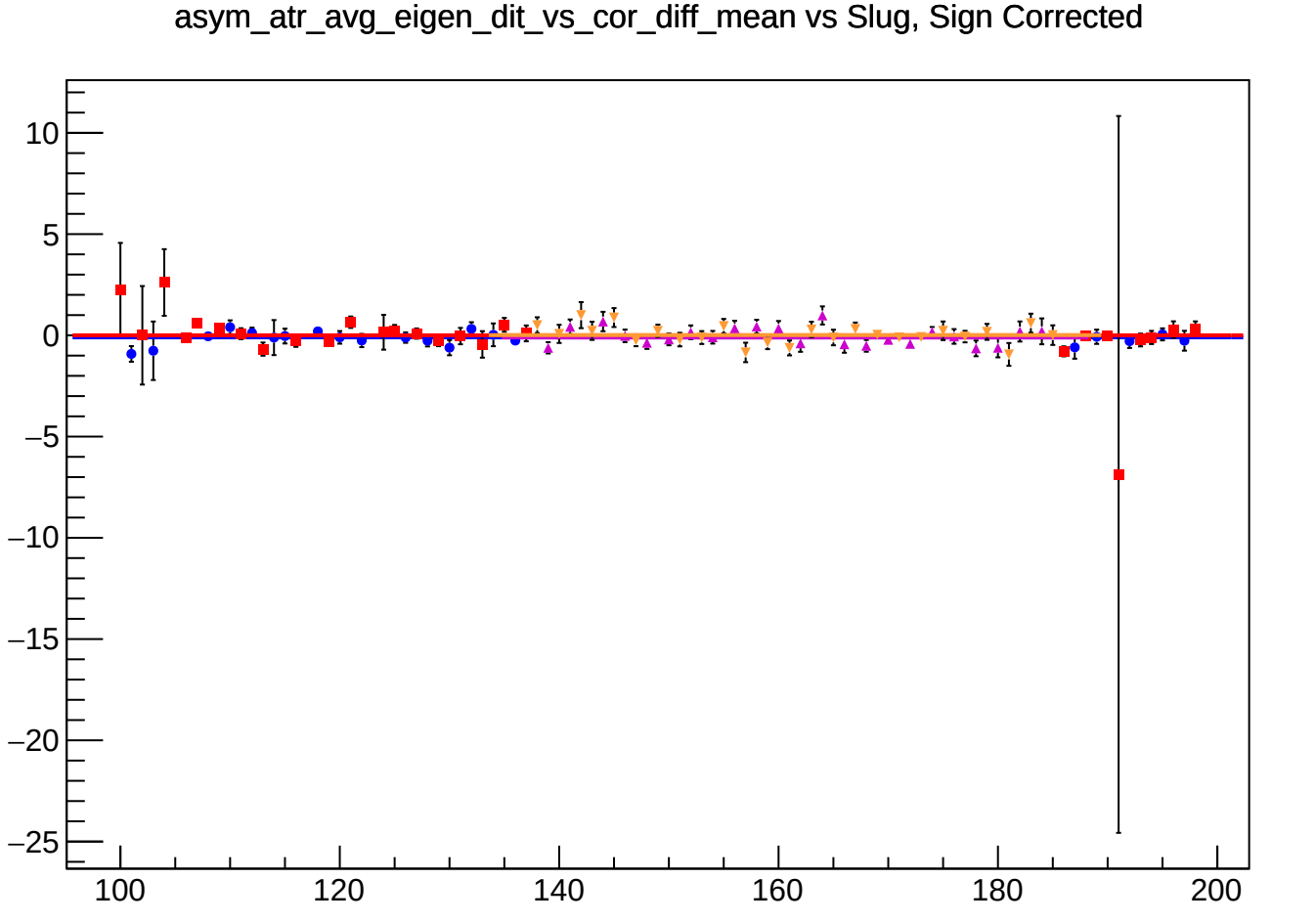
Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

Right: 0.007+/-0.000 χ^2/NDF: 16997624.0/47

In: 0.006+/-0.000 χ^2/NDF:16114237.3/43

Out: 0.006+/-0.000 χ^2/NDF:18275331.5/51

All: 0.006+/-0.000 χ^2/NDF: 34406743.8/95



Right In: -0.100+/-0.070 χ^2/NDF: 15.4/20

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.002+/-0.055 χ^2/NDF: 42.0/26

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

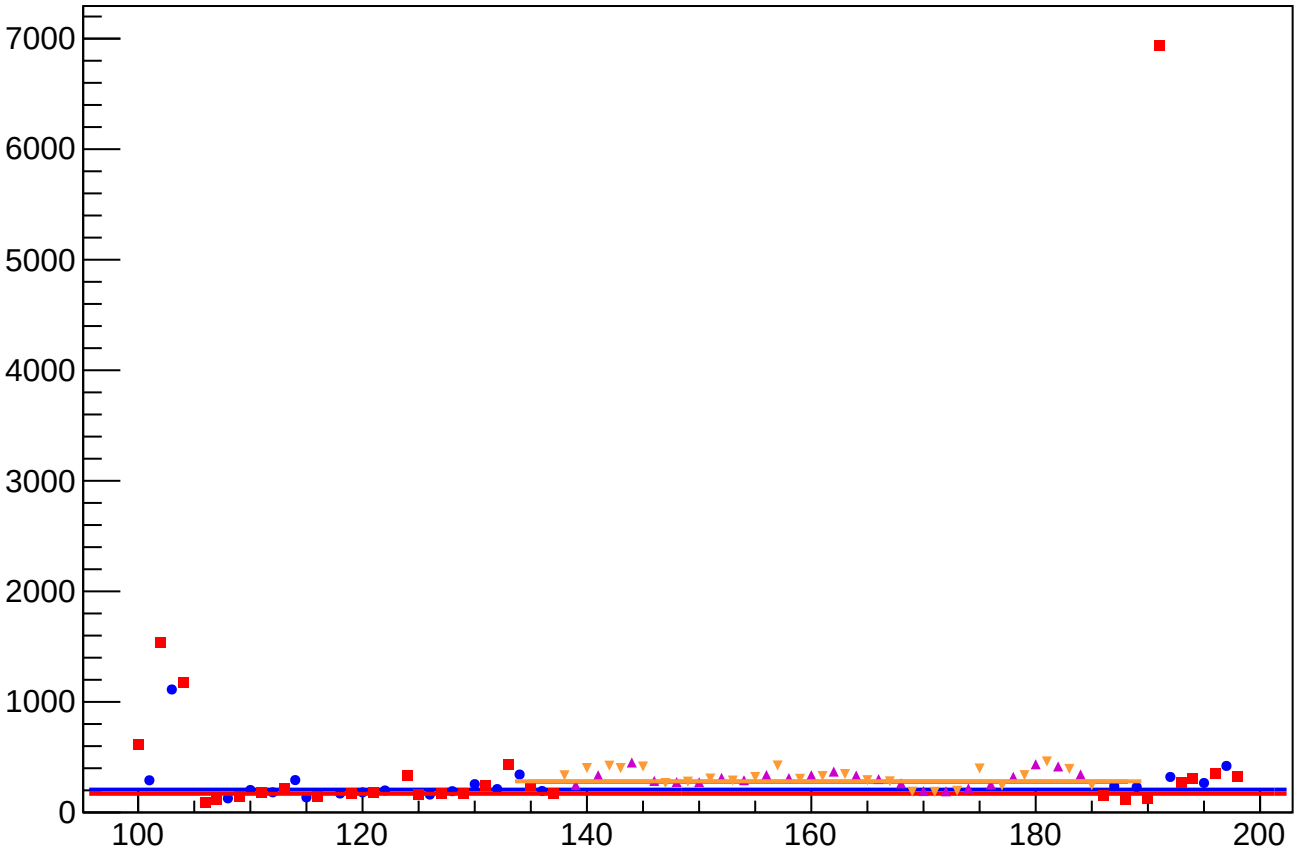
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.037+/-0.043 χ^2/NDF: 58.7/47

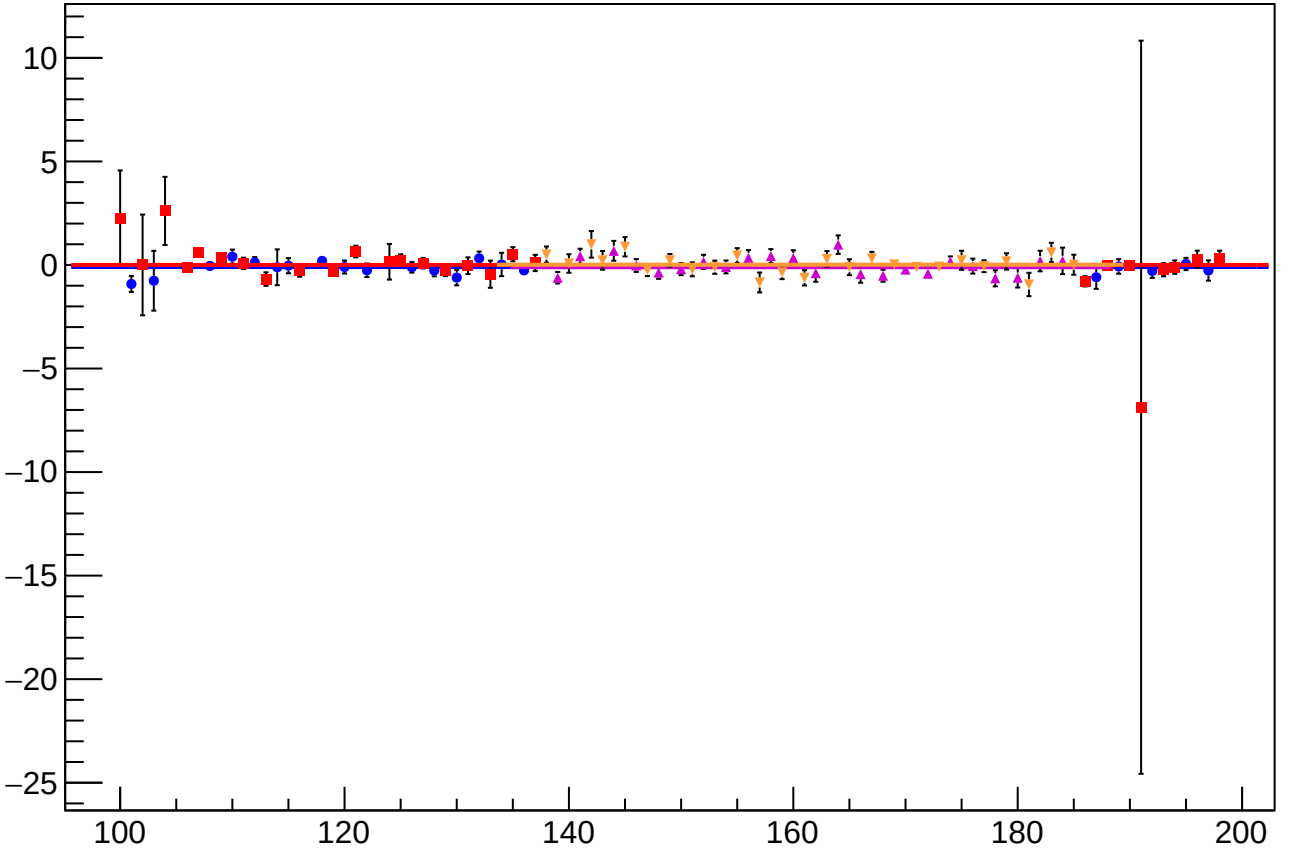
In: -0.103+/-0.049 χ^2/NDF:46.8/43

Out: 0.006+/-0.043 χ^2/NDF:67.2/51

All: -0.041+/-0.032 χ^2/NDF: 116.8/95


asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 206.550+/-0.049 χ²/NDF: 2273801.3/20
Left Out: 281.820+/-0.048 χ²/NDF:2520889.0/24
Right Out: 168.742+/-0.039 χ²/NDF: 4639484.7/26
Left In: 278.412+/-0.049 χ²/NDF:1799730.1/22
Left: 280.130+/-0.034 χ²/NDF: 4323107.7/47
Right: 183.307+/-0.031 χ²/NDF: 7274003.6/47
In: 243.106+/-0.035 χ²/NDF:5151851.7/43
Out: 213.677+/-0.030 χ²/NDF:10488631.6/51
All: 226.467+/-0.023 χ²/NDF: 16049628.3/95

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.100+/-0.070 χ^2/NDF: 15.4/20

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.002+/-0.055 χ^2/NDF: 42.0/26

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

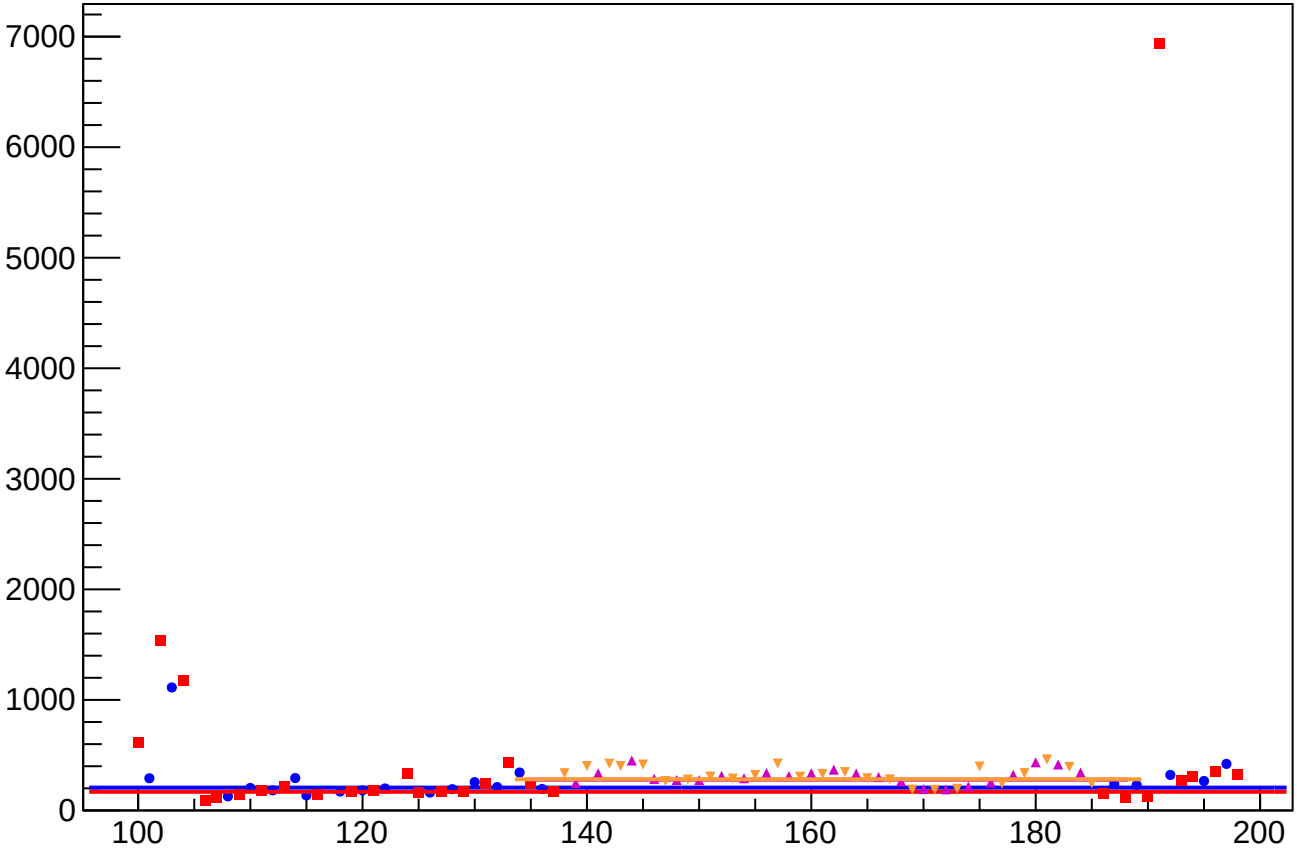
Right: -0.037+/-0.043 χ^2/NDF: 58.7/47

In: -0.103+/-0.049 χ^2/NDF:46.8/43

Out: 0.006+/-0.043 χ^2/NDF:67.2/51

All: -0.041+/-0.032 χ^2/NDF: 116.8/95

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 206.550+/-0.049 χ^2/NDF: 2273801.3/20

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 168.742+/-0.039 χ^2/NDF: 4639484.7/26

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

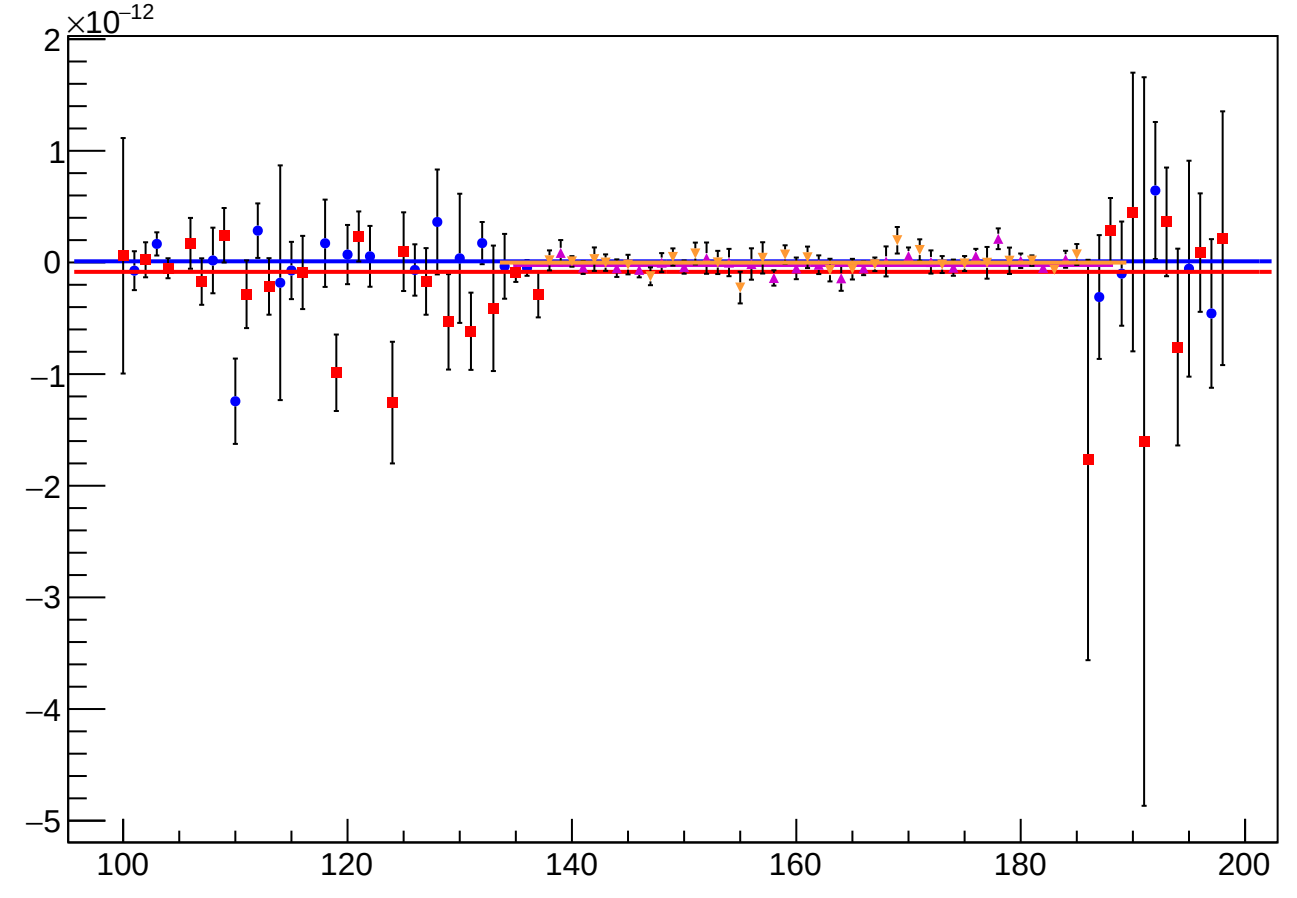
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

Right: 183.307+/-0.031 χ^2/NDF: 7274003.6/47

In: 243.106+/-0.035 χ^2/NDF:5151851.7/43

Out: 213.677+/-0.030 χ^2/NDF:10488631.6/51

All: 226.467+/-0.023 χ^2/NDF: 16049628.3/95



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.7/26

Left In: -0.000+/-0.000 χ^2/NDF:16.8/22

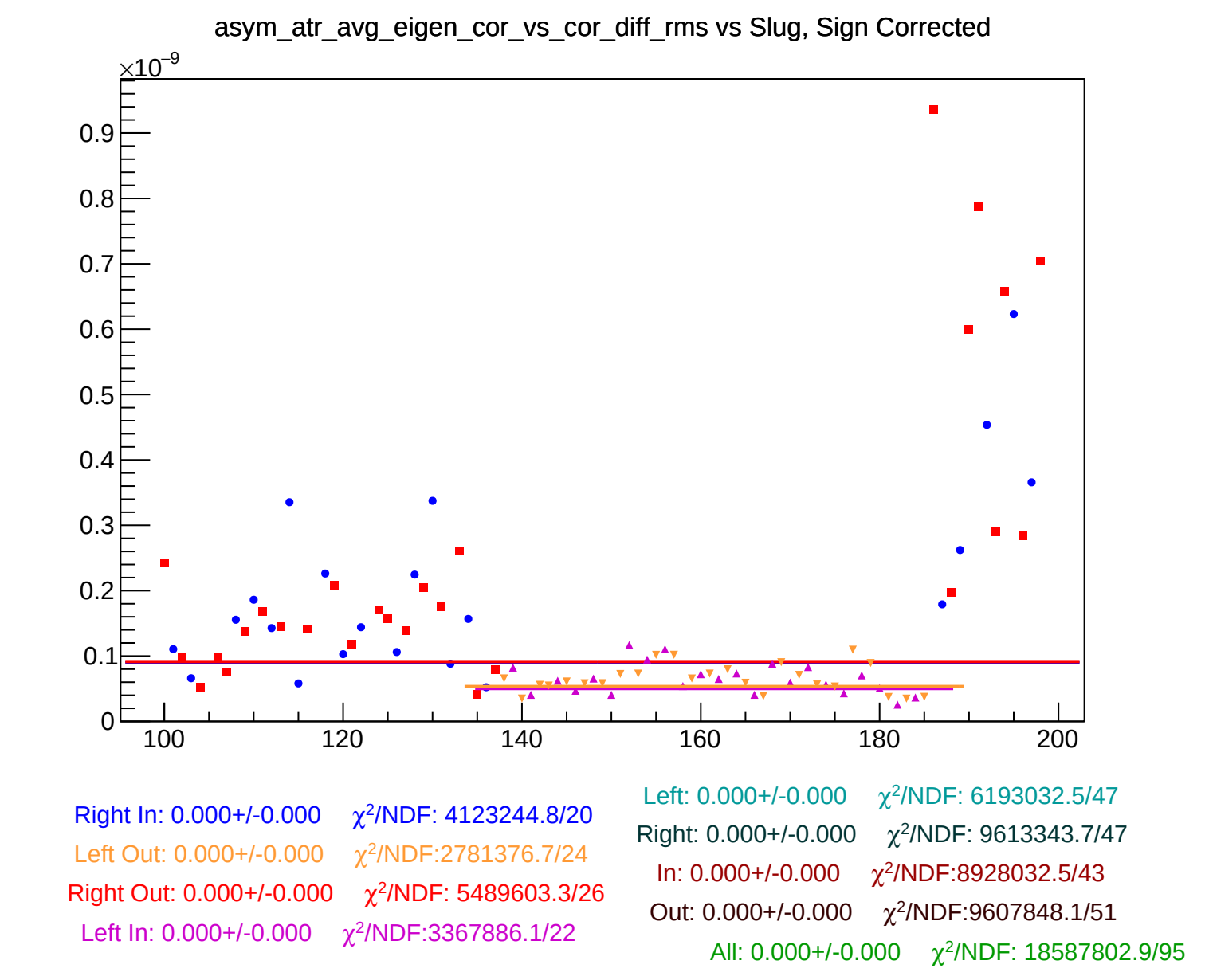
Left: -0.000+/-0.000 χ^2/NDF: 33.1/47

Right: -0.000+/-0.000 χ^2/NDF: 49.0/47

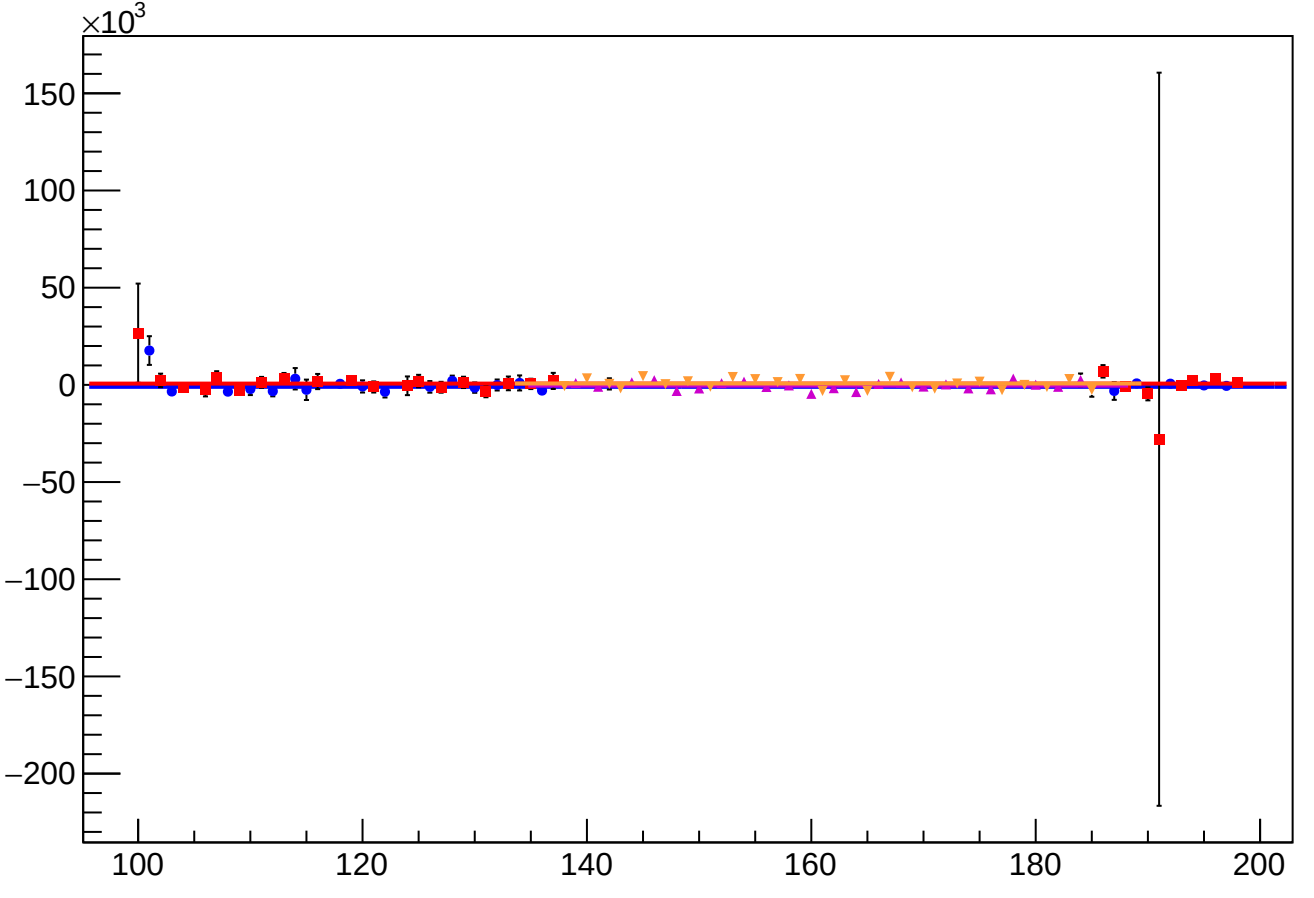
In: -0.000+/-0.000 χ^2/NDF:36.3/43

Out: -0.000+/-0.000 χ^2/NDF:46.3/51

All: -0.000+/-0.000 χ^2/NDF: 82.8/95


asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4123244.8/20
Left Out: 0.000+/-0.000 χ²/NDF:2781376.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 5489603.3/26
Left In: 0.000+/-0.000 χ²/NDF:3367886.1/22
Left: 0.000+/-0.000 χ²/NDF: 6193032.5/47
Right: 0.000+/-0.000 χ²/NDF: 9613343.7/47
In: 0.000+/-0.000 χ²/NDF:8928032.5/43
Out: 0.000+/-0.000 χ²/NDF:9607848.1/51
All: 0.000+/-0.000 χ²/NDF: 18587802.9/95

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1011.902+/-598.217 χ^2/NDF: 15.4/20

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: 650.516+/-549.645 χ^2/NDF: 19.6/26

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

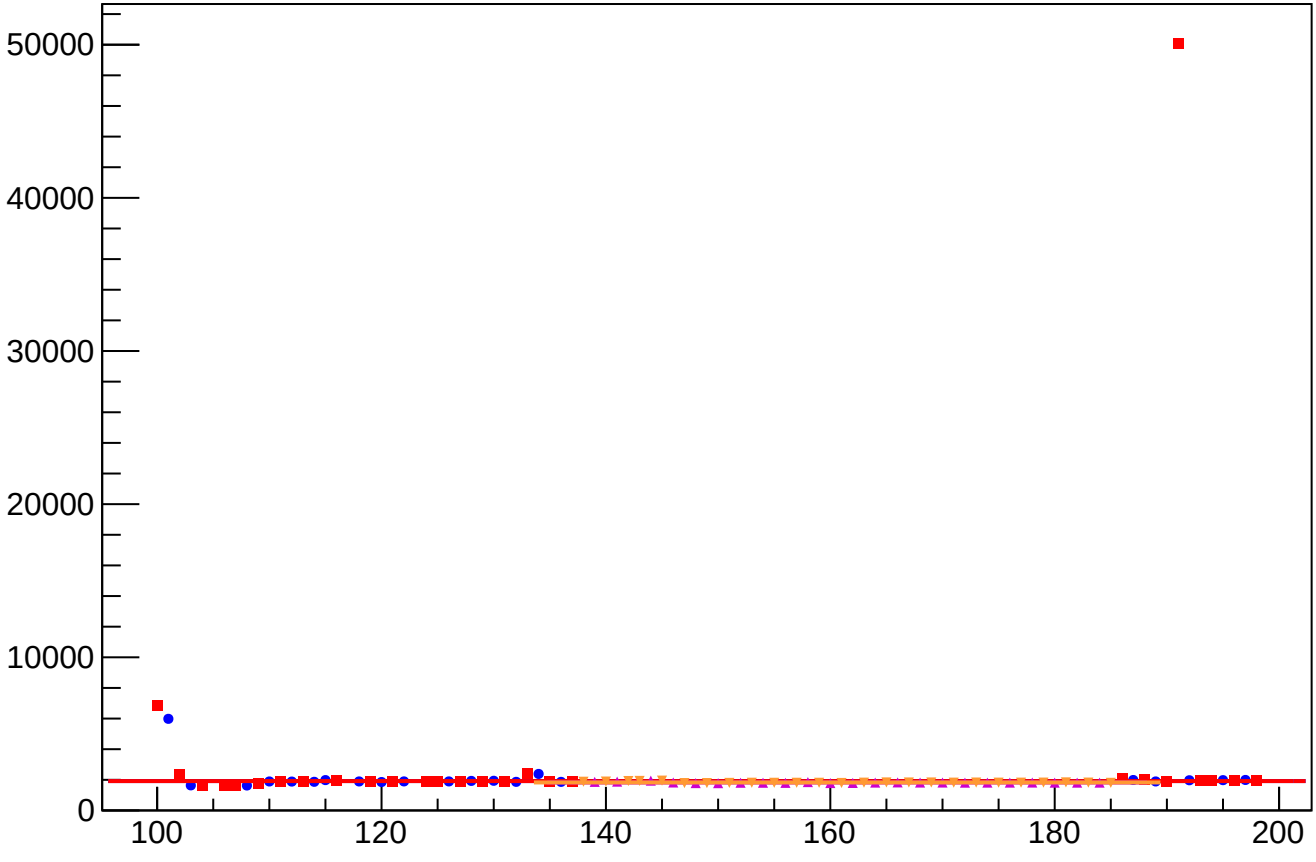
Right: -110.474+/-404.742 χ^2/NDF: 39.2/47

In: -608.115+/-347.122 χ^2/NDF:36.8/43

Out: 685.667+/-331.393 χ^2/NDF:51.6/51

All: 68.752+/-239.698 χ^2/NDF: 95.6/95

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1920.134+/-0.423 χ^2/NDF: 704987.3/20

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1917.842+/-0.388 χ^2/NDF: 373299.4/26

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

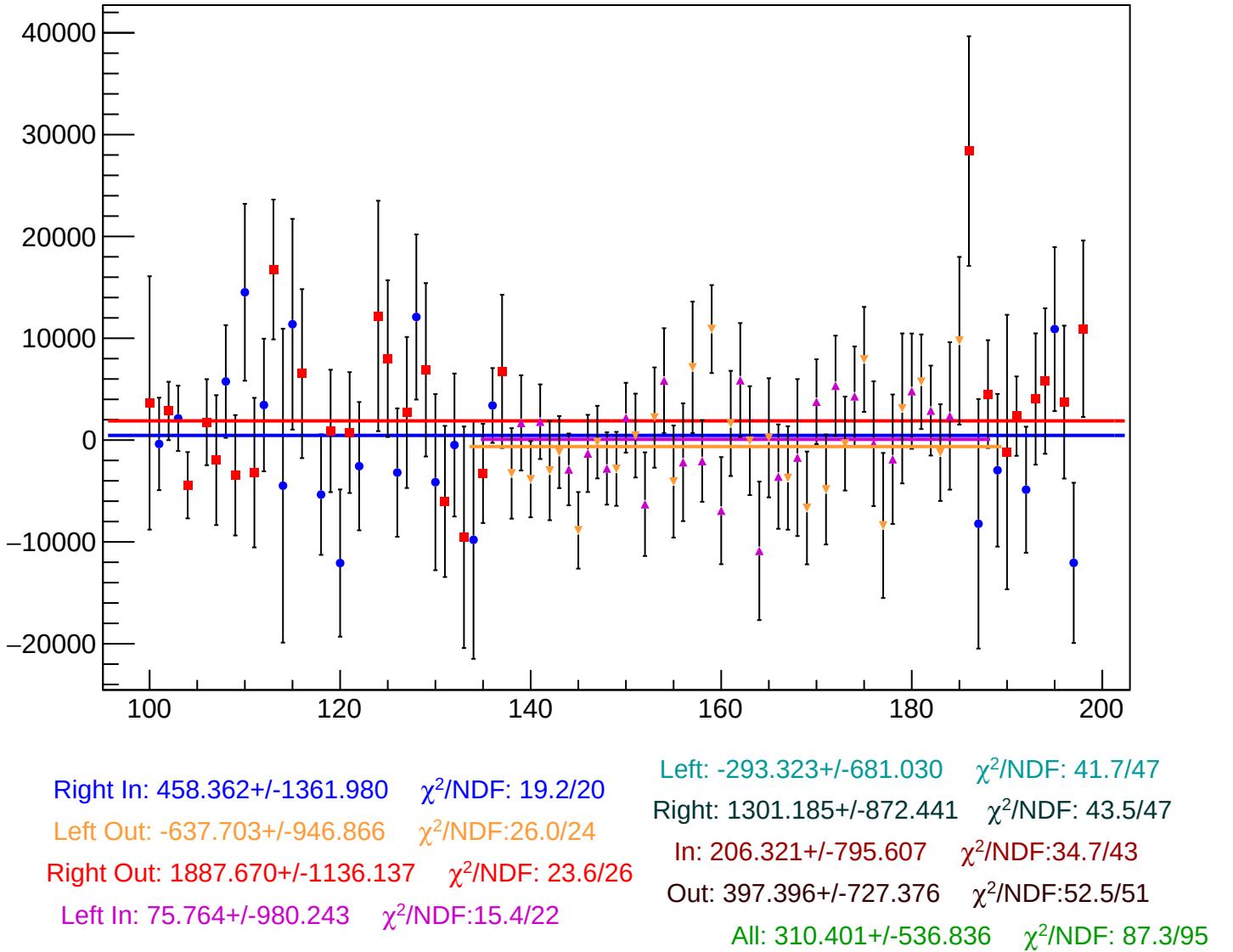
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

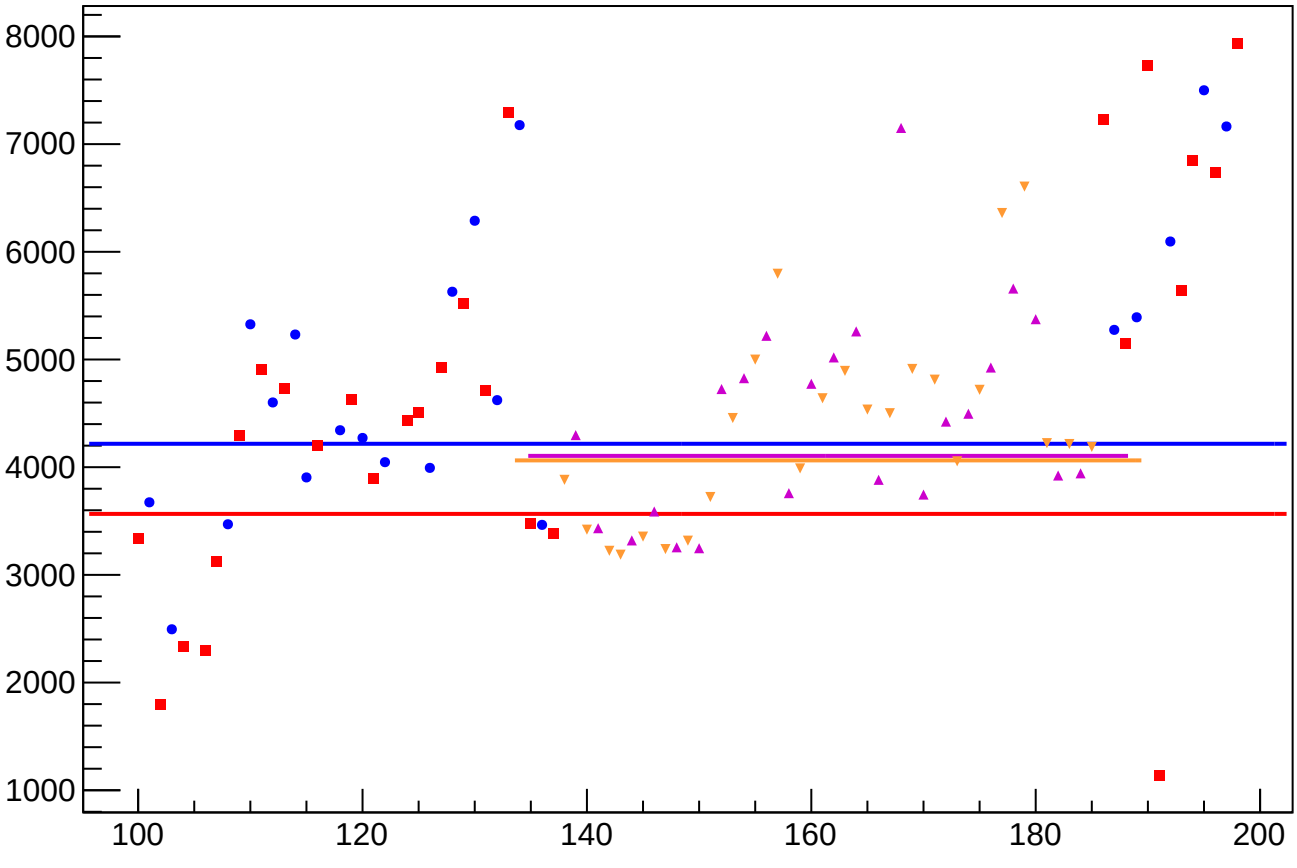
Right: 1918.889+/-0.286 χ^2/NDF: 1078302.7/47

In: 1857.141+/-0.245 χ^2/NDF:751781.4/43

Out: 1860.899+/-0.234 χ^2/NDF:426544.8/51

All: 1859.109+/-0.169 χ^2/NDF: 1178448.9/95


asym_atr_dd_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 458.362+/-1361.980 χ²/NDF: 19.2/20
Left Out: -637.703+/-946.866 χ²/NDF:26.0/24
Right Out: 1887.670+/-1136.137 χ²/NDF: 23.6/26
Left In: 75.764+/-980.243 χ²/NDF:15.4/22
Left: -293.323+/-681.030 χ²/NDF: 41.7/47
Right: 1301.185+/-872.441 χ²/NDF: 43.5/47
In: 206.321+/-795.607 χ²/NDF:34.7/43
Out: 397.396+/-727.376 χ²/NDF:52.5/51
All: 310.401+/-536.836 χ²/NDF: 87.3/95



Right In: 4217.368+/-0.963 χ^2/NDF: 1951684.3/20

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3566.232+/-0.803 χ^2/NDF: 4820479.5/26

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

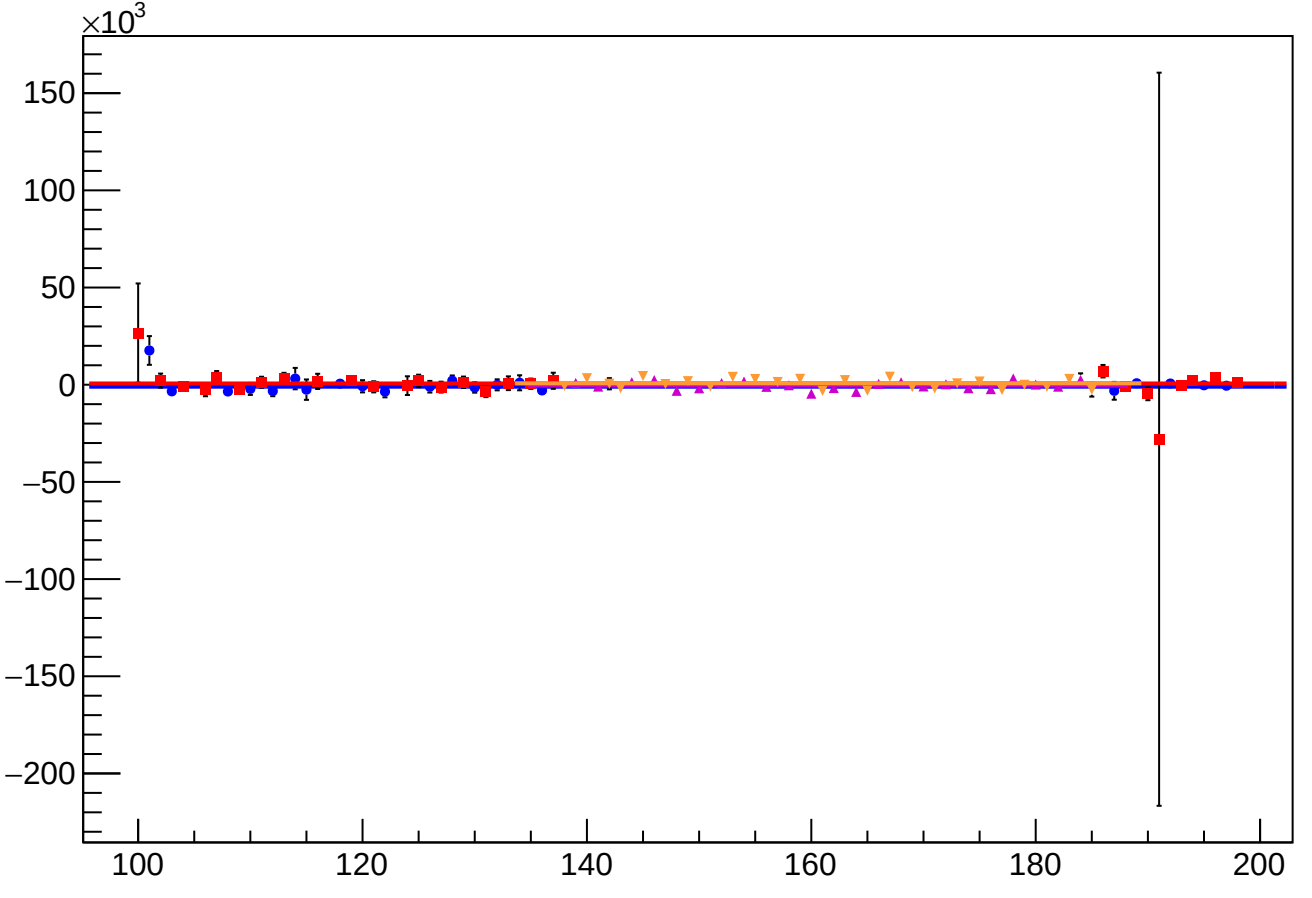
Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

Right: 3833.411+/-0.617 χ^2/NDF: 7041716.2/47

In: 4143.382+/-0.563 χ^2/NDF:3320136.5/43

Out: 3859.449+/-0.514 χ^2/NDF:6451254.3/51

All: 3988.720+/-0.380 χ^2/NDF: 9910140.5/95



Right In: -1012.167+/-598.217 χ^2/NDF: 15.3/20

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 644.629+/-550.099 χ^2/NDF: 19.6/26

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

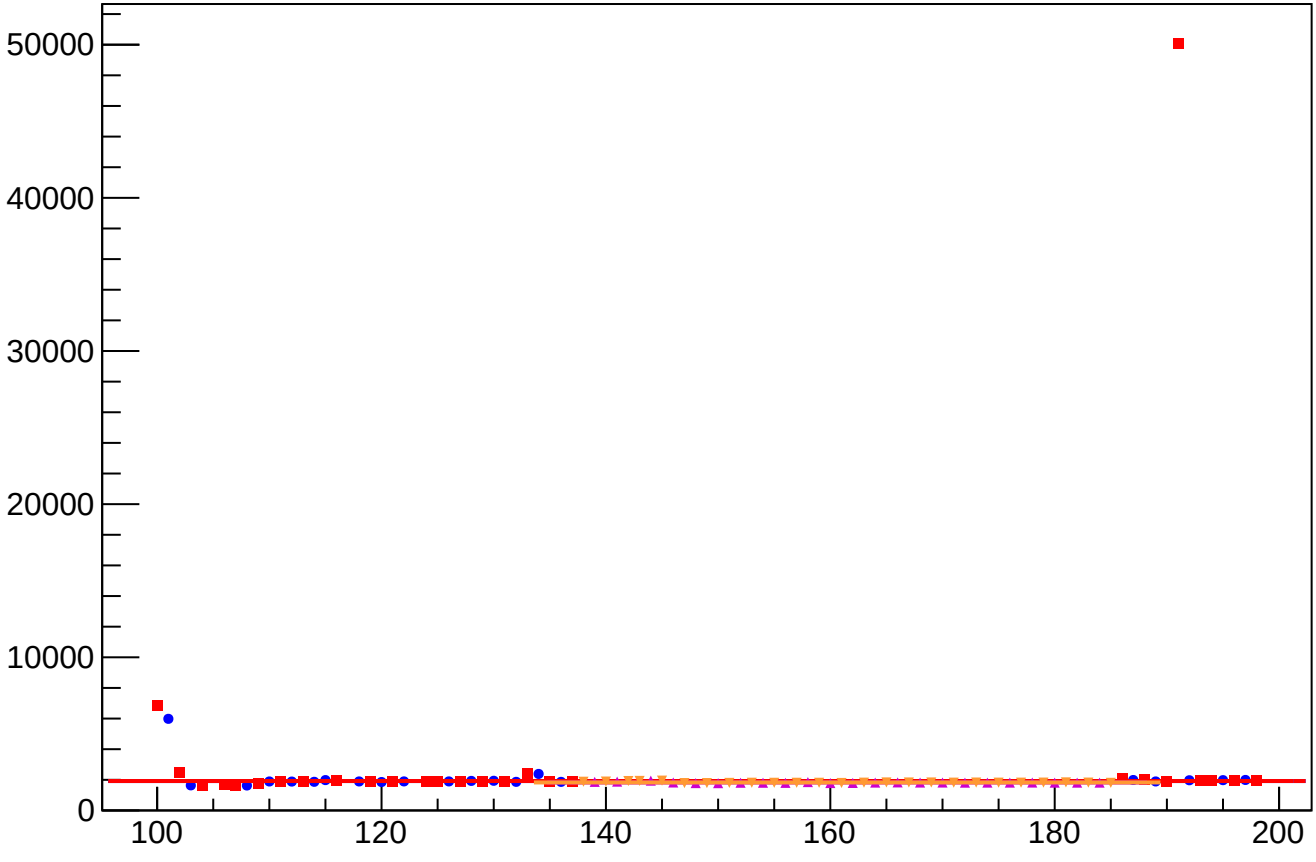
Right: -114.465+/-404.923 χ^2/NDF: 39.1/47

In: -608.096+/-347.122 χ^2/NDF:36.8/43

Out: 683.587+/-331.492 χ^2/NDF:51.5/51

All: 67.480+/-239.736 χ^2/NDF: 95.5/95

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1920.134+/-0.423 χ^2/NDF: 704987.5/20

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1922.147+/-0.389 χ^2/NDF: 379832.2/26

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

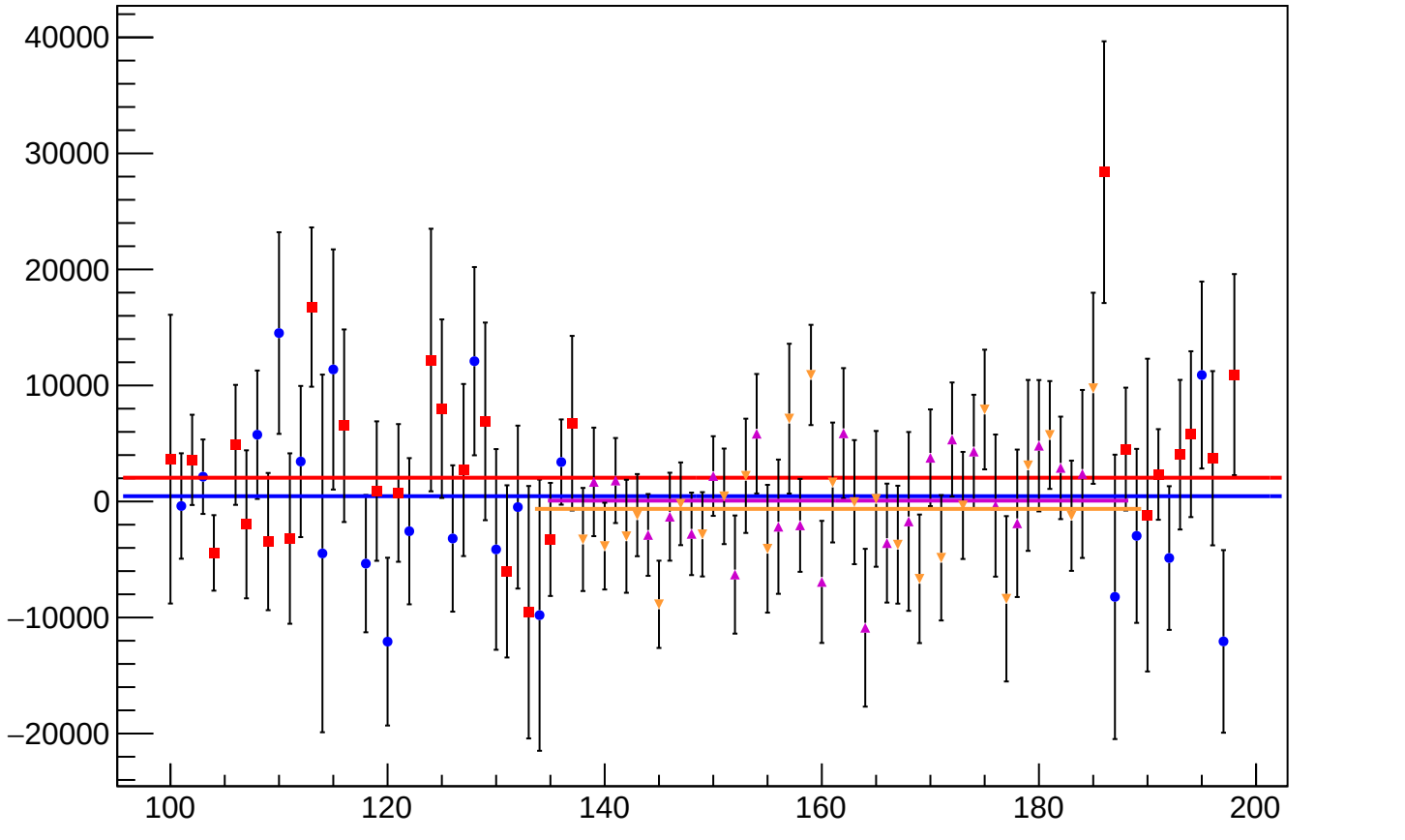
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

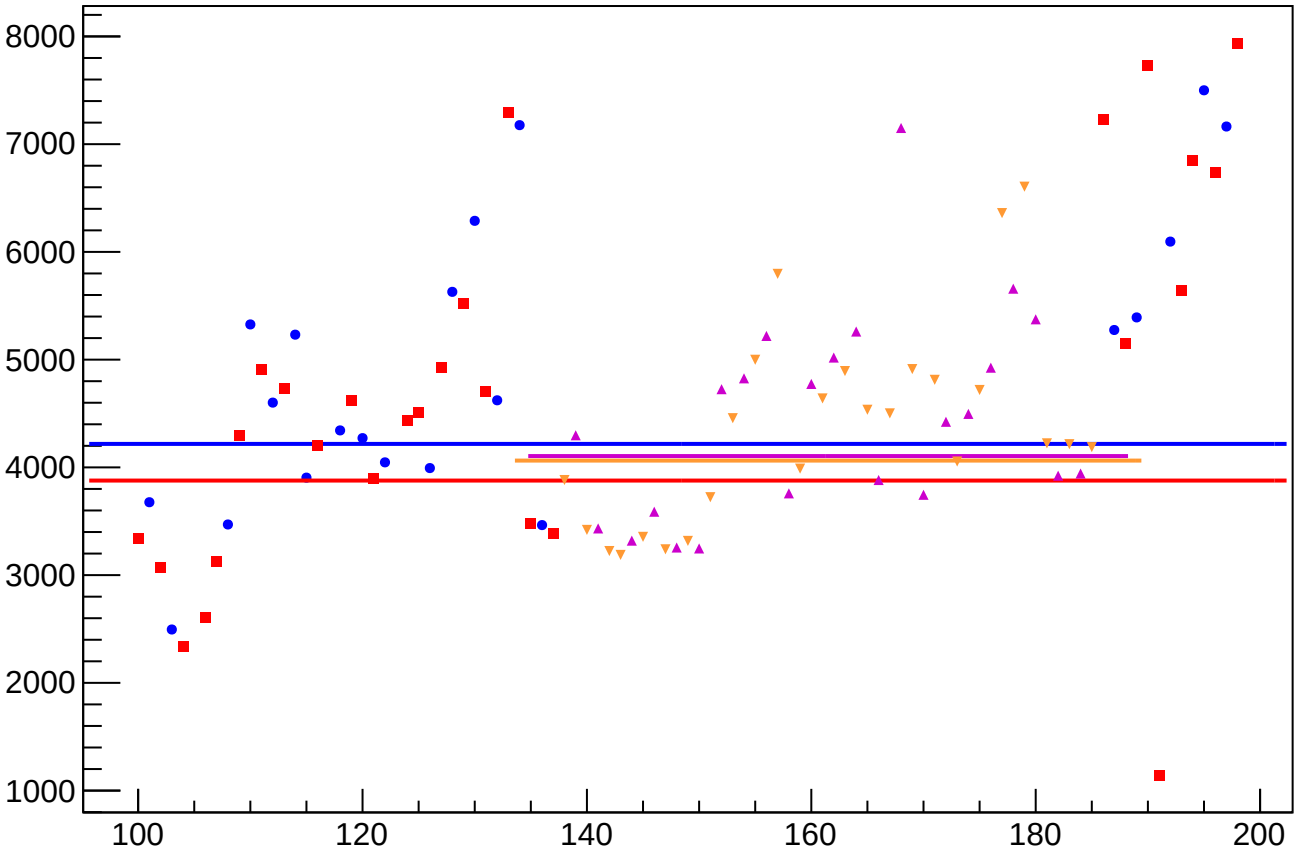
Right: 1921.225+/-0.286 χ^2/NDF: 1084832.0/47

In: 1857.141+/-0.245 χ^2/NDF:751781.5/43

Out: 1862.384+/-0.234 χ^2/NDF:436322.7/51

All: 1859.884+/-0.169 χ^2/NDF: 1188342.8/95


asym_atr_dd_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 457.225+/-1362.115 χ²/NDF: 19.2/20
Left Out: -637.720+/-946.866 χ²/NDF:26.0/24
Right Out: 2047.299+/-1195.021 χ²/NDF: 24.0/26
Left In: 75.789+/-980.241 χ²/NDF:15.4/22
Left: -293.319+/-681.029 χ²/NDF: 41.7/47
Right: 1355.723+/-898.308 χ²/NDF: 44.0/47
In: 205.932+/-795.633 χ²/NDF:34.7/43
Out: 397.829+/-742.142 χ²/NDF:53.1/51
All: 308.547+/-542.699 χ²/NDF: 87.8/95



Right In: 4217.890+/-0.963 χ^2/NDF: 1950820.0/20

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3877.710+/-0.845 χ^2/NDF: 3840518.2/26

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

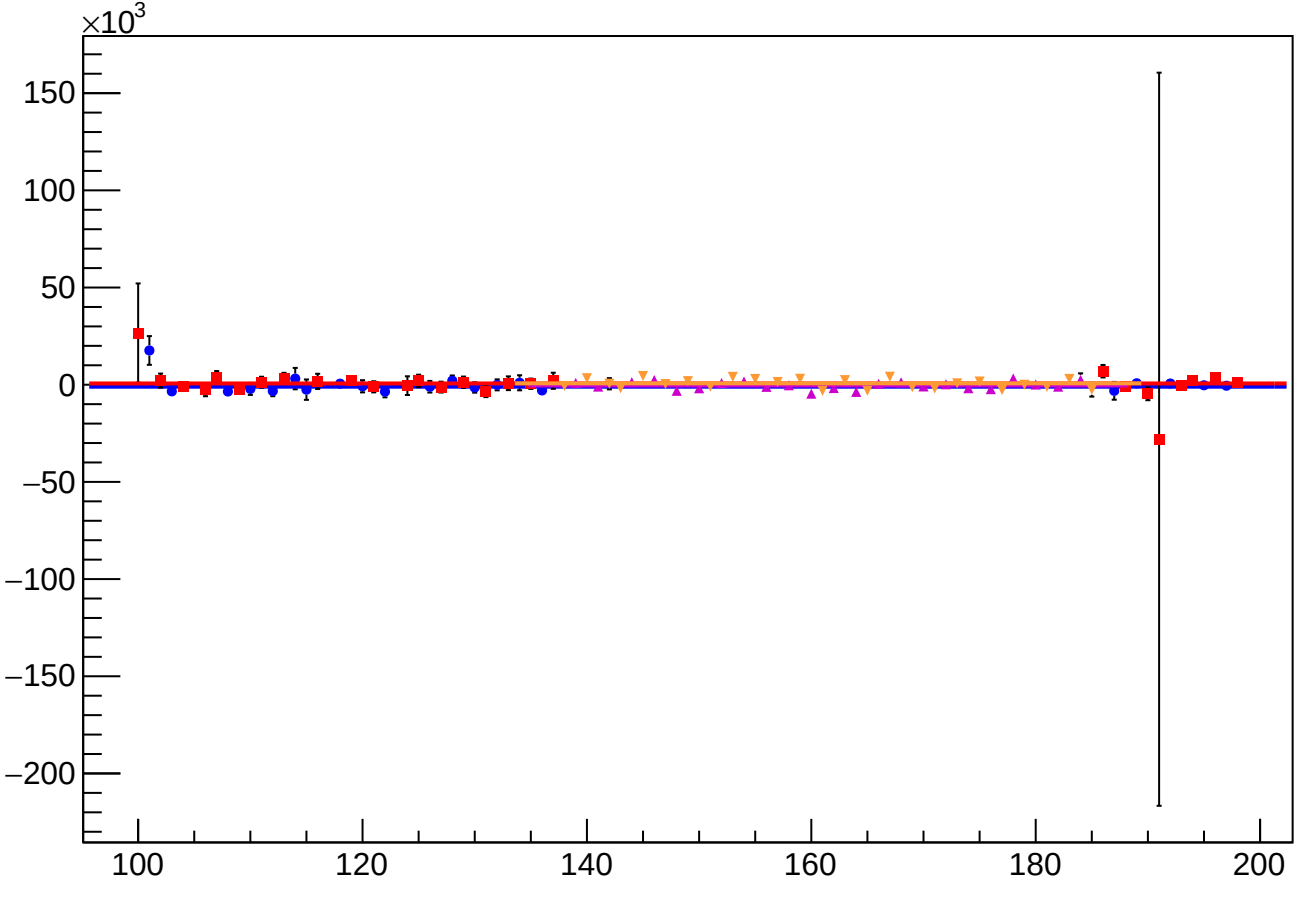
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 4025.665+/-0.635 χ^2/NDF: 5861827.3/47

In: 4143.550+/-0.563 χ^2/NDF:3319364.4/43

Out: 3991.603+/-0.525 χ^2/NDF:5275120.6/51

All: 4062.297+/-0.384 χ^2/NDF: 8633491.3/95



Right In: -1012.167+/-598.217 χ^2/NDF: 15.3/20

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 644.629+/-550.099 χ^2/NDF: 19.6/26

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

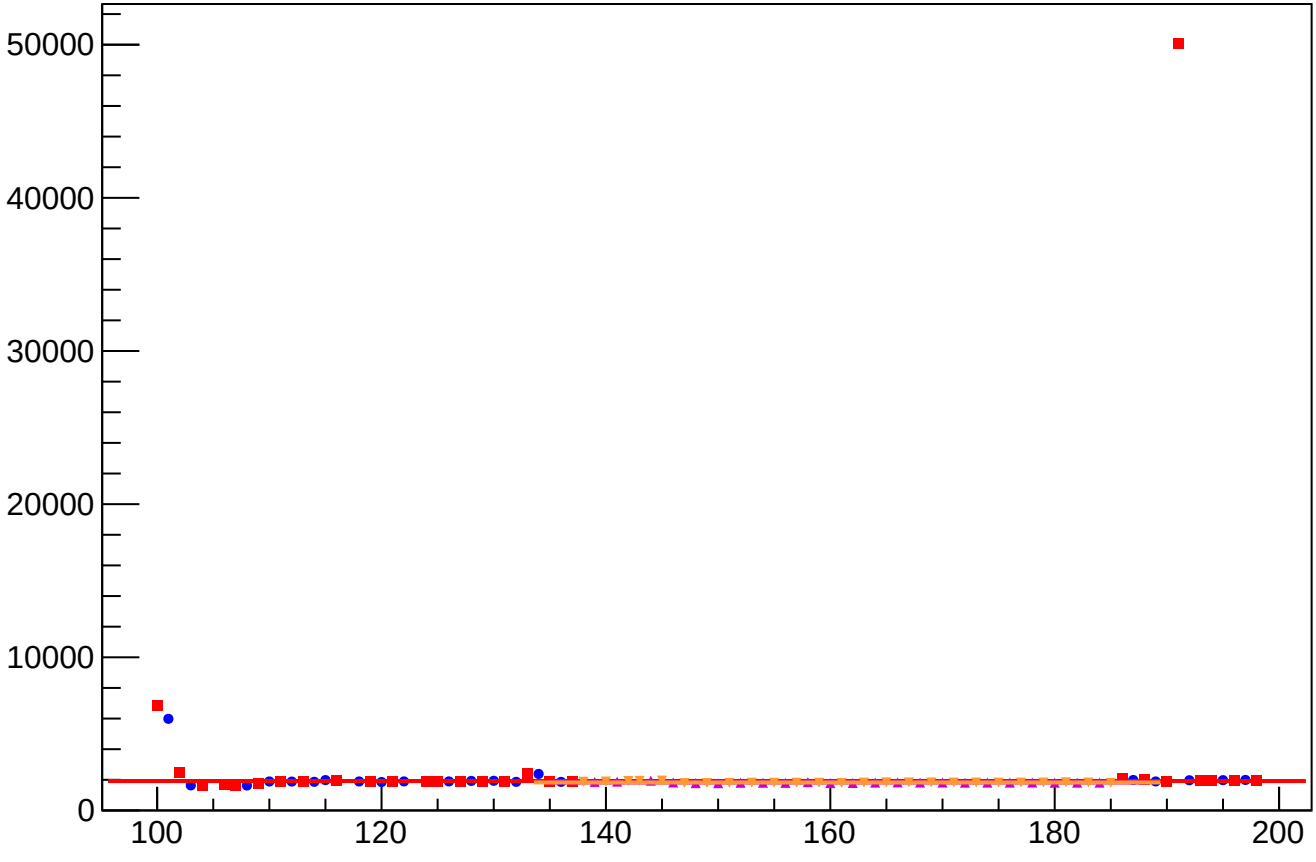
Right: -114.465+/-404.923 χ^2/NDF: 39.1/47

In: -608.096+/-347.122 χ^2/NDF:36.8/43

Out: 683.587+/-331.492 χ^2/NDF:51.5/51

All: 67.480+/-239.736 χ^2/NDF: 95.5/95

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1920.134+/-0.423 χ^2/NDF: 704987.5/20

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1922.147+/-0.389 χ^2/NDF: 379832.2/26

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

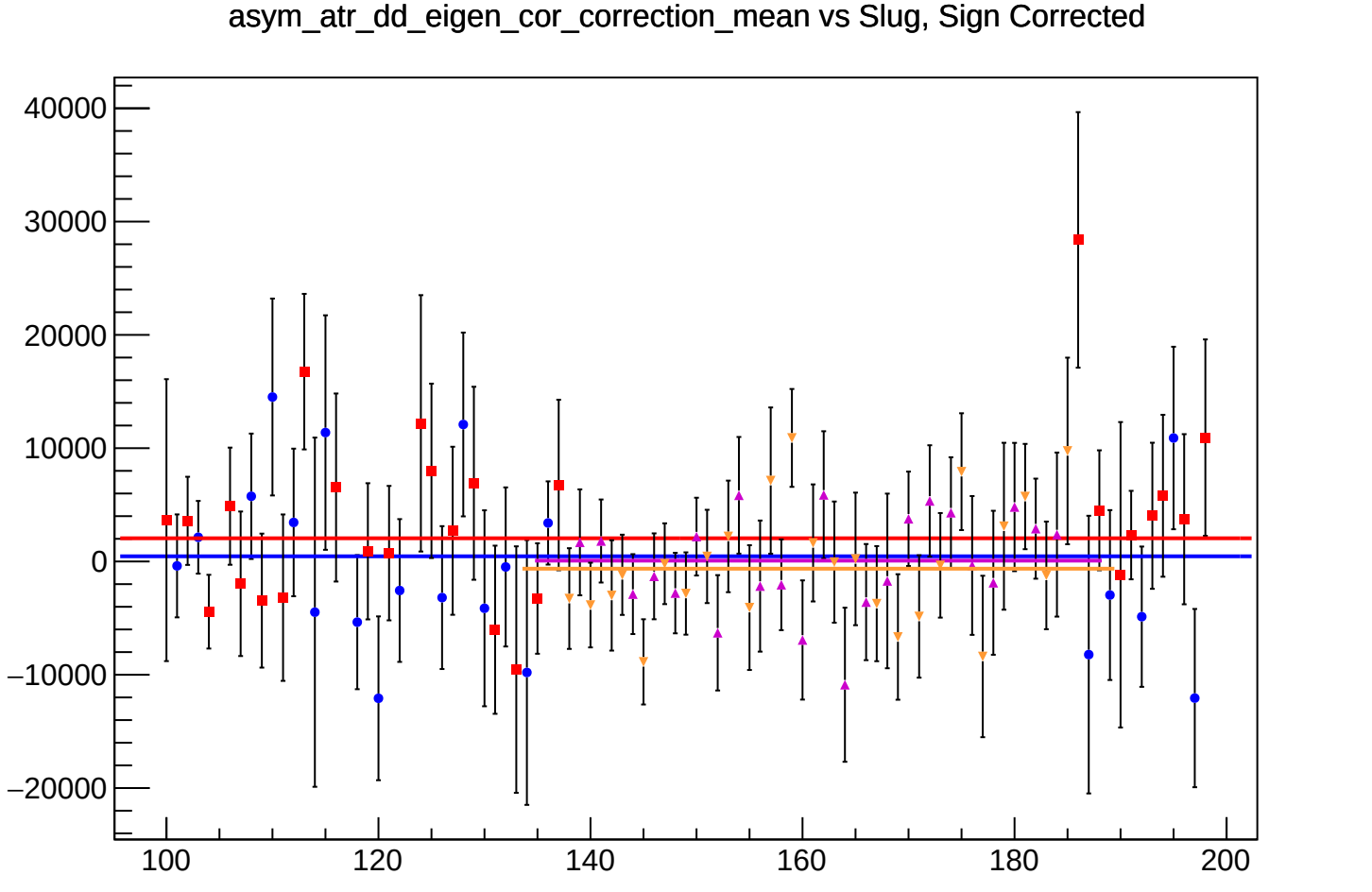
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

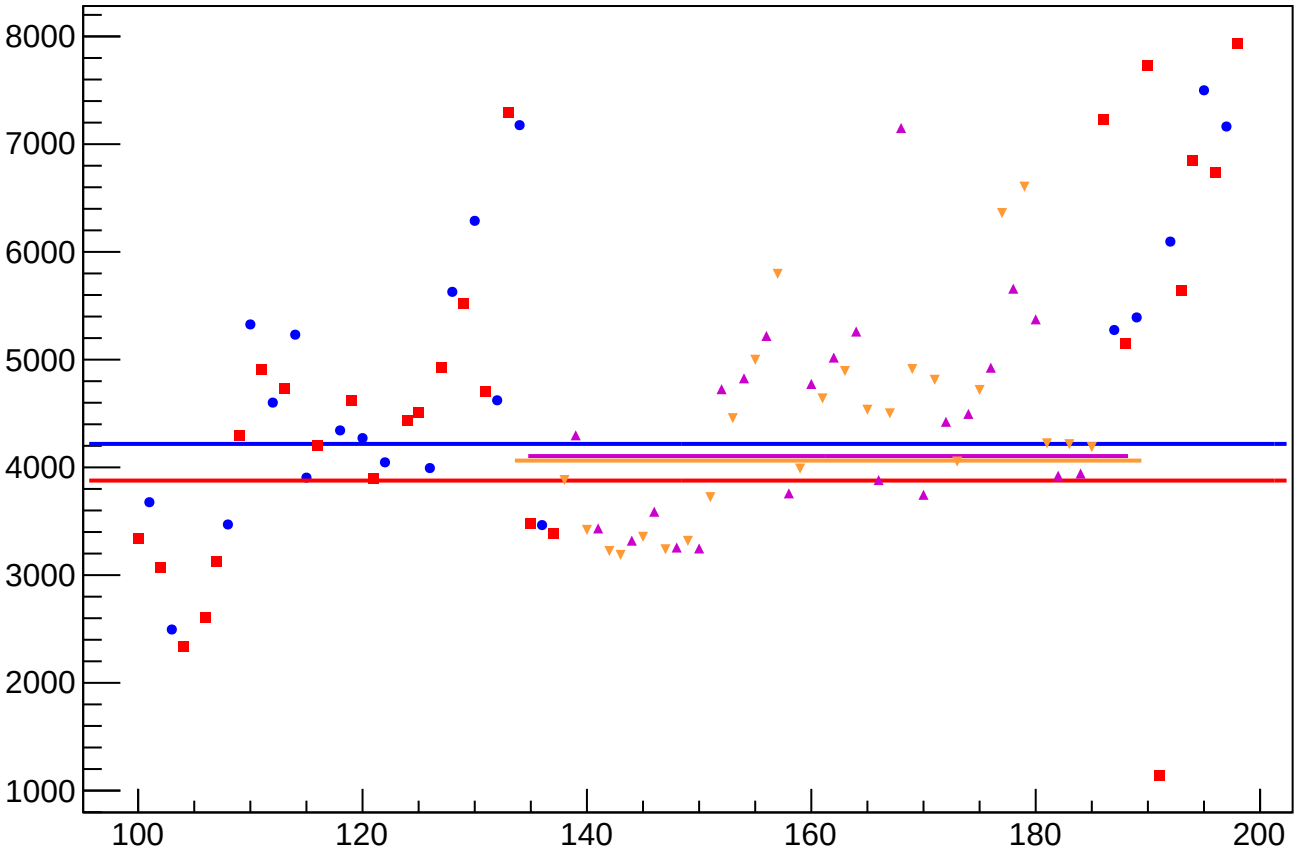
Right: 1921.225+/-0.286 χ^2/NDF: 1084832.0/47

In: 1857.141+/-0.245 χ^2/NDF:751781.5/43

Out: 1862.384+/-0.234 χ^2/NDF:436322.7/51

All: 1859.884+/-0.169 χ^2/NDF: 1188342.8/95


asym_atr_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 457.225+/-1362.115 χ²/NDF: 19.2/20
Left Out: -637.720+/-946.866 χ²/NDF:26.0/24
Right Out: 2047.299+/-1195.021 χ²/NDF: 24.0/26
Left In: 75.789+/-980.241 χ²/NDF:15.4/22
Left: -293.319+/-681.029 χ²/NDF: 41.7/47
Right: 1355.723+/-898.308 χ²/NDF: 44.0/47
In: 205.932+/-795.633 χ²/NDF:34.7/43
Out: 397.829+/-742.142 χ²/NDF:53.1/51
All: 308.547+/-542.699 χ²/NDF: 87.8/95



Right In: 4217.890+/-0.963 χ^2/NDF: 1950820.0/20

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3877.710+/-0.845 χ^2/NDF: 3840518.2/26

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

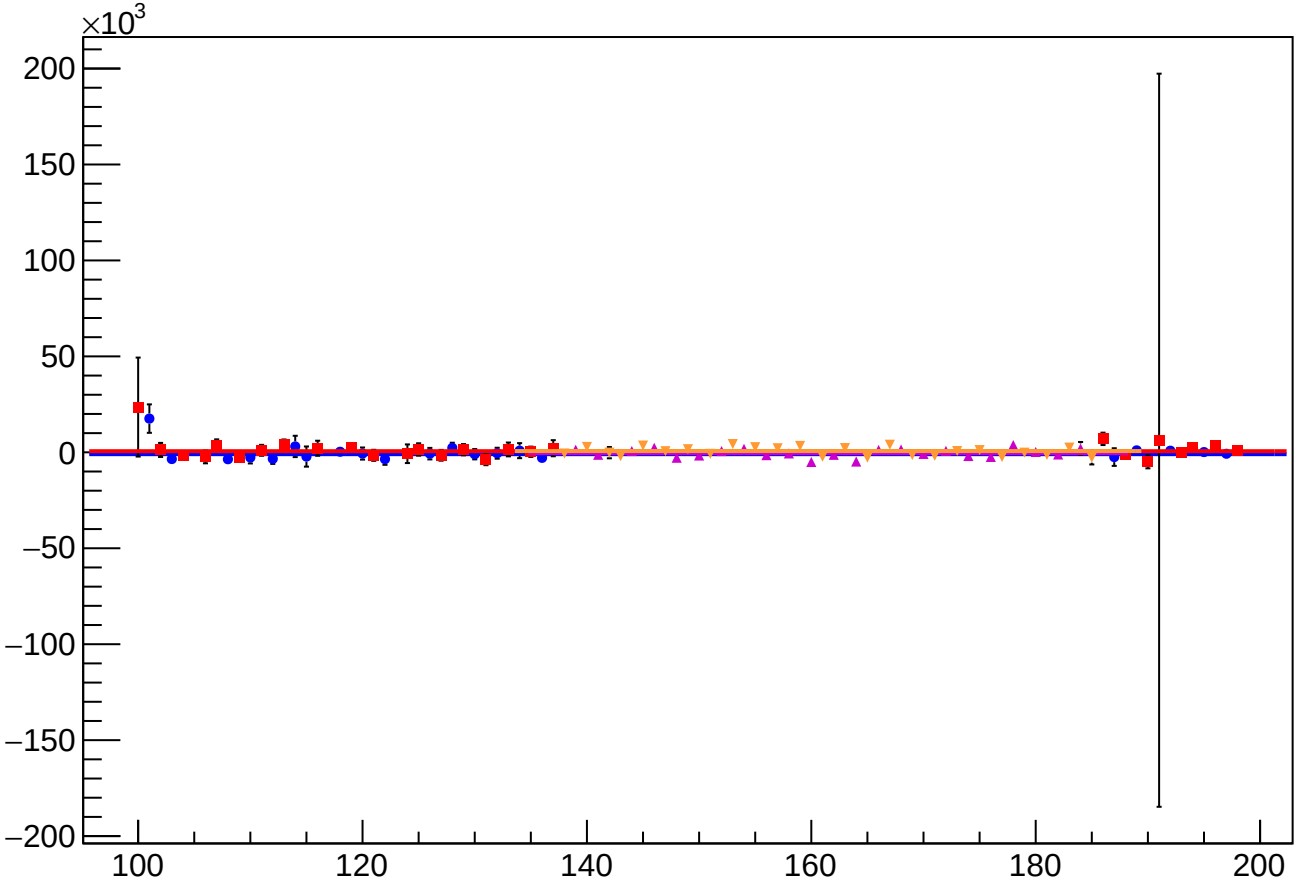
Right: 4025.665+/-0.635 χ^2/NDF: 5861827.3/47

In: 4143.550+/-0.563 χ^2/NDF:3319364.4/43

Out: 3991.603+/-0.525 χ^2/NDF:5275120.6/51

All: 4062.297+/-0.384 χ^2/NDF: 8633491.3/95

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -960.149+/-603.640 χ^2/NDF: 15.8/20

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: 590.191+/-555.381 χ^2/NDF: 21.1/26

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

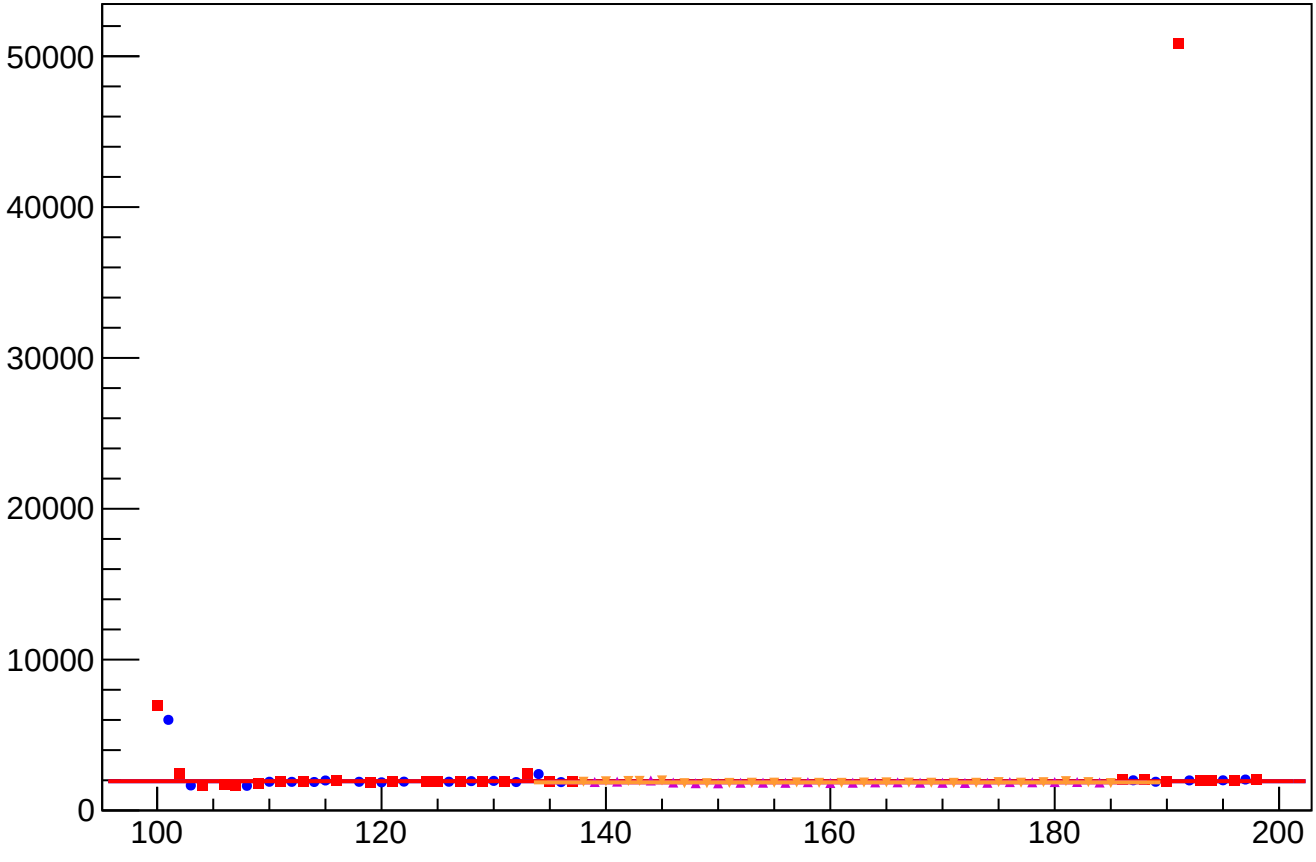
Right: -120.538+/-408.711 χ^2/NDF: 40.5/47

In: -597.965+/-352.301 χ^2/NDF:40.0/43

Out: 632.858+/-336.542 χ^2/NDF:48.1/51

All: 45.589+/-243.352 χ^2/NDF: 94.5/95

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1937.336+/-0.427 χ^2/NDF: 707456.5/20

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1940.227+/-0.392 χ^2/NDF: 388042.1/26

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

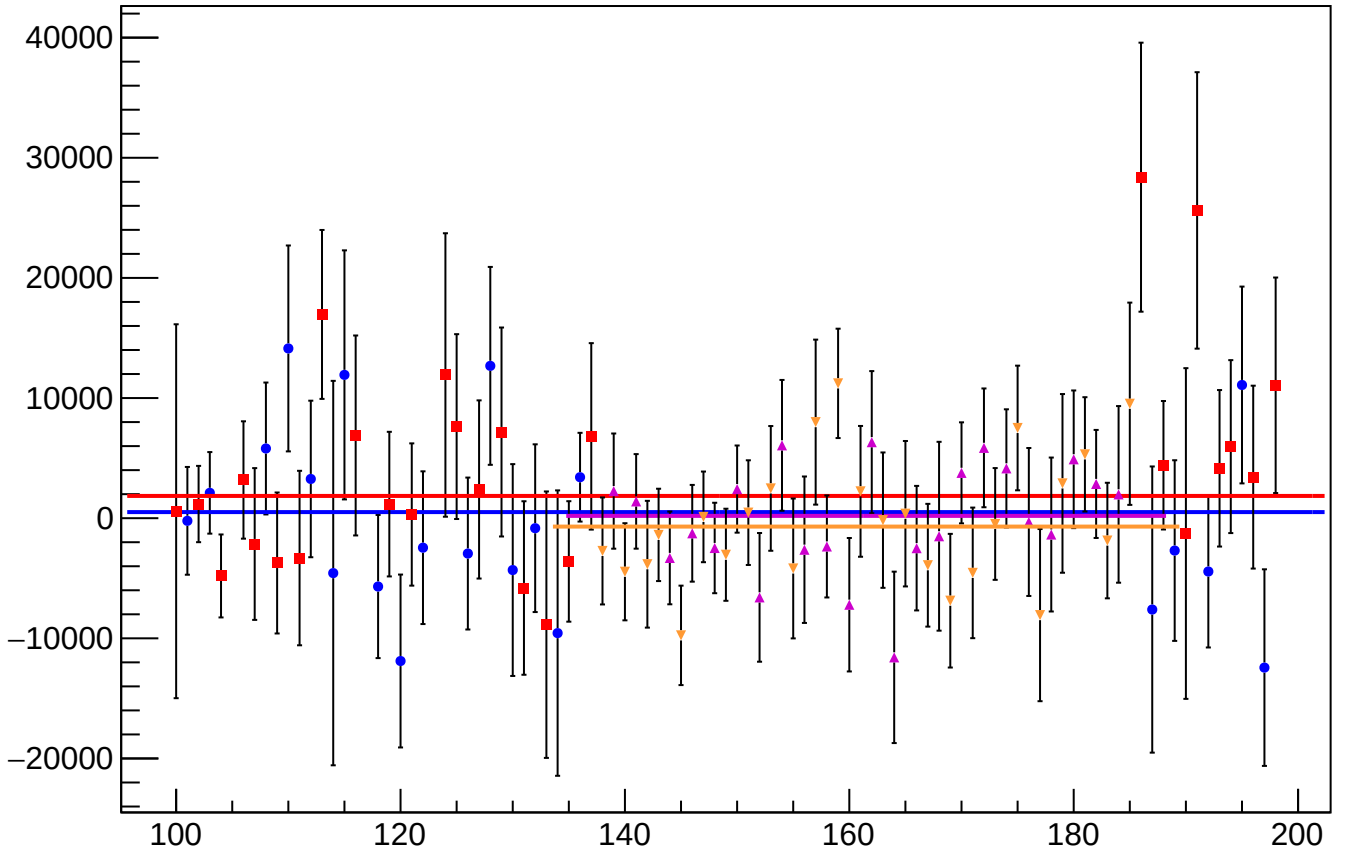
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

Right: 1938.903+/-0.289 χ^2/NDF: 1095523.5/47

In: 1884.800+/-0.249 χ^2/NDF:746812.8/43

Out: 1890.578+/-0.238 χ^2/NDF:439360.4/51

All: 1887.822+/-0.172 χ^2/NDF: 1186454.7/95



Right In: 507.488+/-1379.577 χ^2/NDF: 19.0/20

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: 1852.896+/-1230.435 χ^2/NDF: 27.8/26

Left In: 192.486+/-1022.469 χ^2/NDF:15.2/22

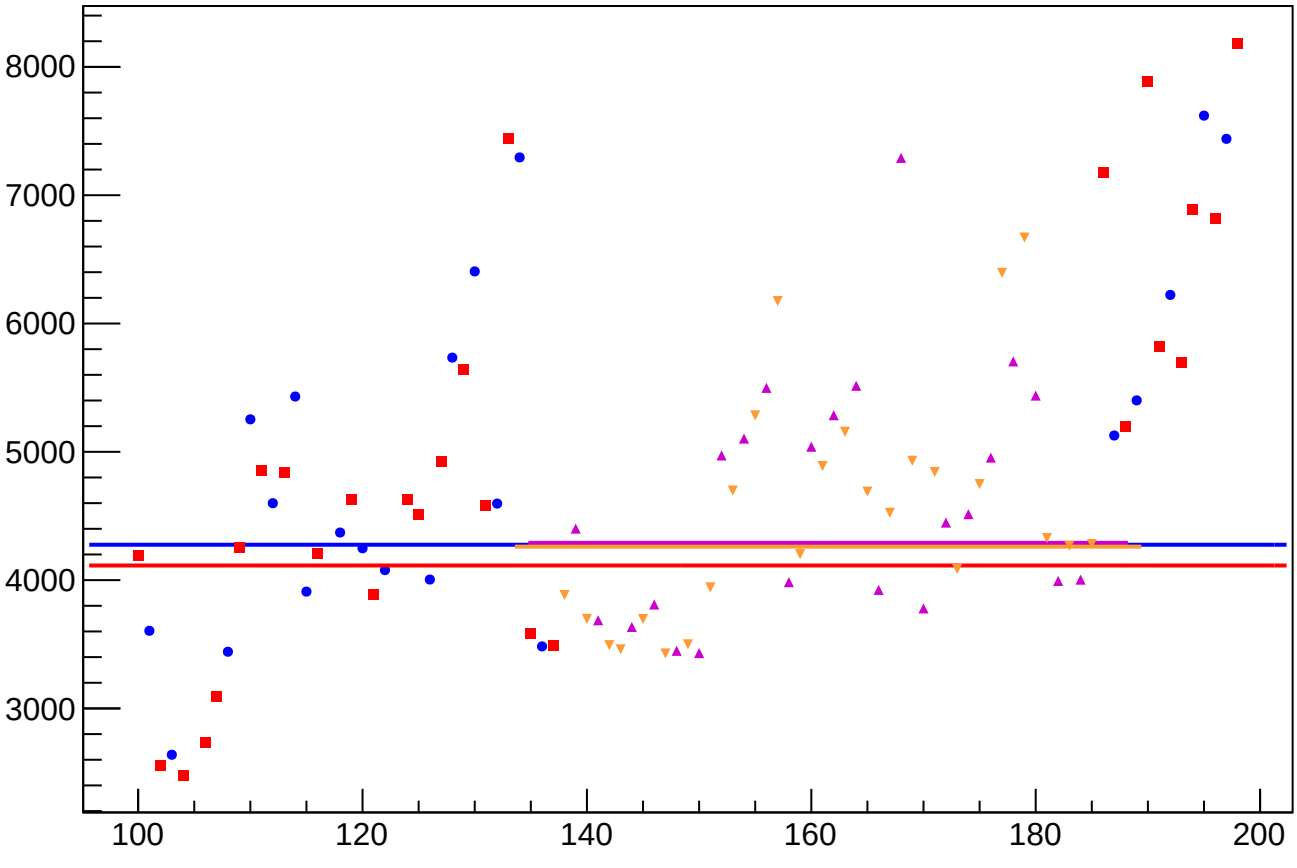
Left: -267.253+/-711.250 χ^2/NDF: 40.9/47

Right: 1256.822+/-918.268 χ^2/NDF: 47.3/47

In: 304.169+/-821.453 χ^2/NDF:34.3/43

Out: 304.300+/-771.345 χ^2/NDF:55.7/51

All: 304.238+/-562.304 χ^2/NDF: 89.9/95



Right In: 4275.852+/-0.976 χ^2/NDF: 1887748.5/20

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4114.158+/-0.870 χ^2/NDF: 3028984.2/26

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

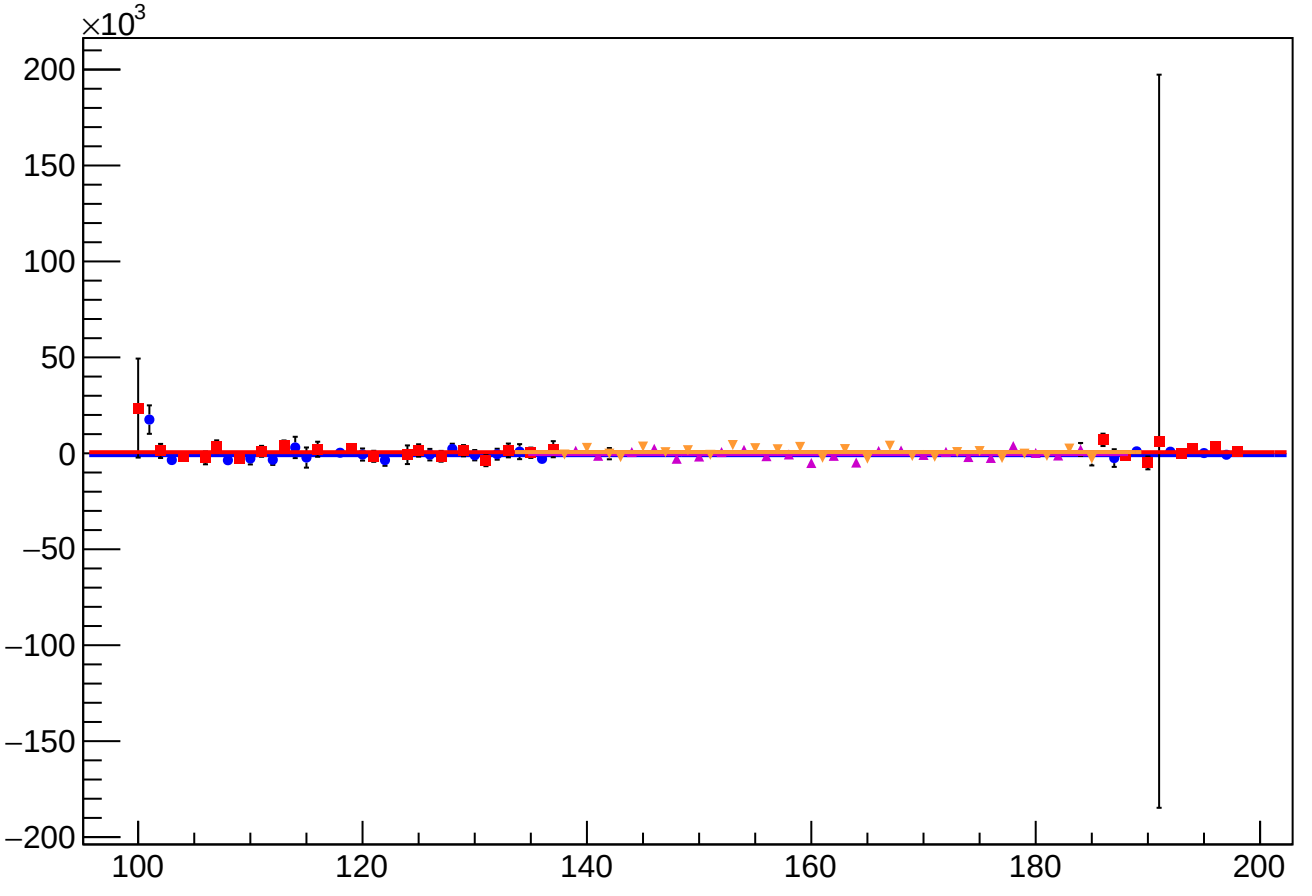
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 4185.796+/-0.649 χ^2/NDF: 4932034.5/47

In: 4285.241+/-0.581 χ^2/NDF:3101856.7/43

Out: 4203.368+/-0.545 χ^2/NDF:4236865.3/51

All: 4241.731+/-0.398 χ^2/NDF: 7349280.1/95



Right In: -960.150+/-603.640 χ^2/NDF: 15.8/20

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: 590.187+/-555.381 χ^2/NDF: 21.1/26

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

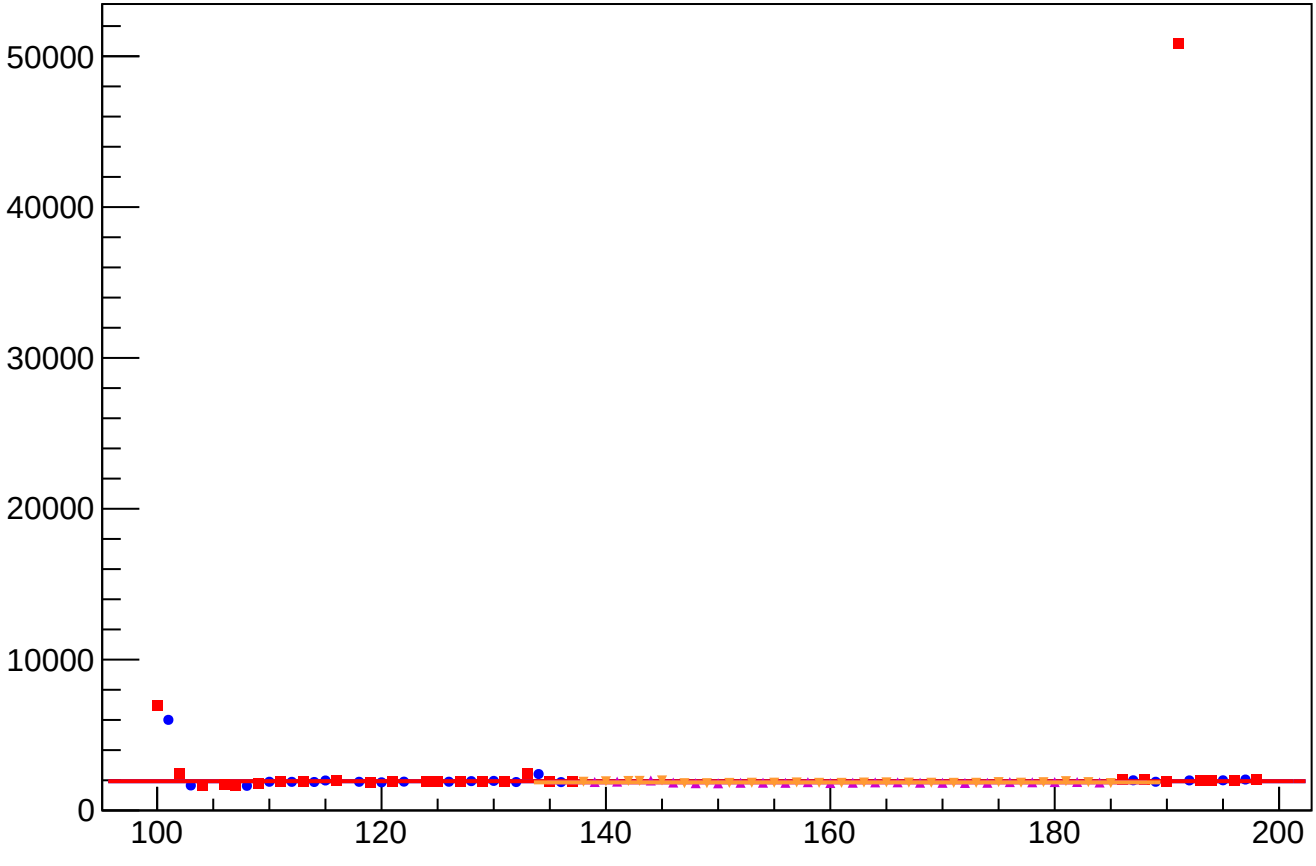
Right: -120.540+/-408.711 χ^2/NDF: 40.5/47

In: -597.965+/-352.301 χ^2/NDF:40.0/43

Out: 632.860+/-336.542 χ^2/NDF:48.1/51

All: 45.590+/-243.352 χ^2/NDF: 94.5/95

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1937.336+/-0.427 χ^2/NDF: 707456.4/20

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1940.227+/-0.392 χ^2/NDF: 388042.2/26

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

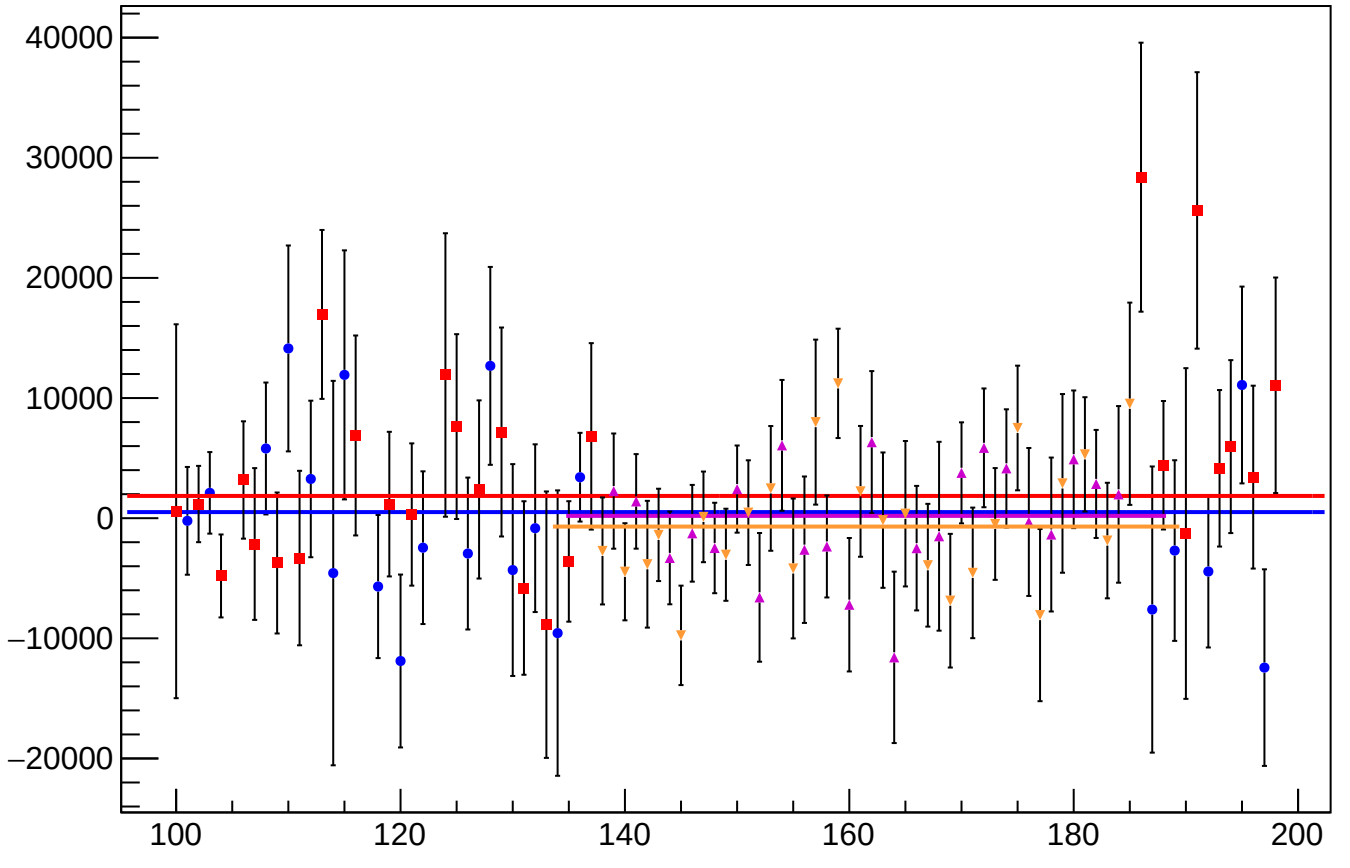
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

Right: 1938.903+/-0.289 χ^2/NDF: 1095523.5/47

In: 1884.800+/-0.249 χ^2/NDF:746812.1/43

Out: 1890.579+/-0.238 χ^2/NDF:439360.2/51

All: 1887.822+/-0.172 χ^2/NDF: 1186453.7/95



Right In: 507.475+/-1379.576 χ^2/NDF: 19.0/20

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: 1852.893+/-1230.434 χ^2/NDF: 27.8/26

Left In: 192.488+/-1022.471 χ^2/NDF:15.2/22

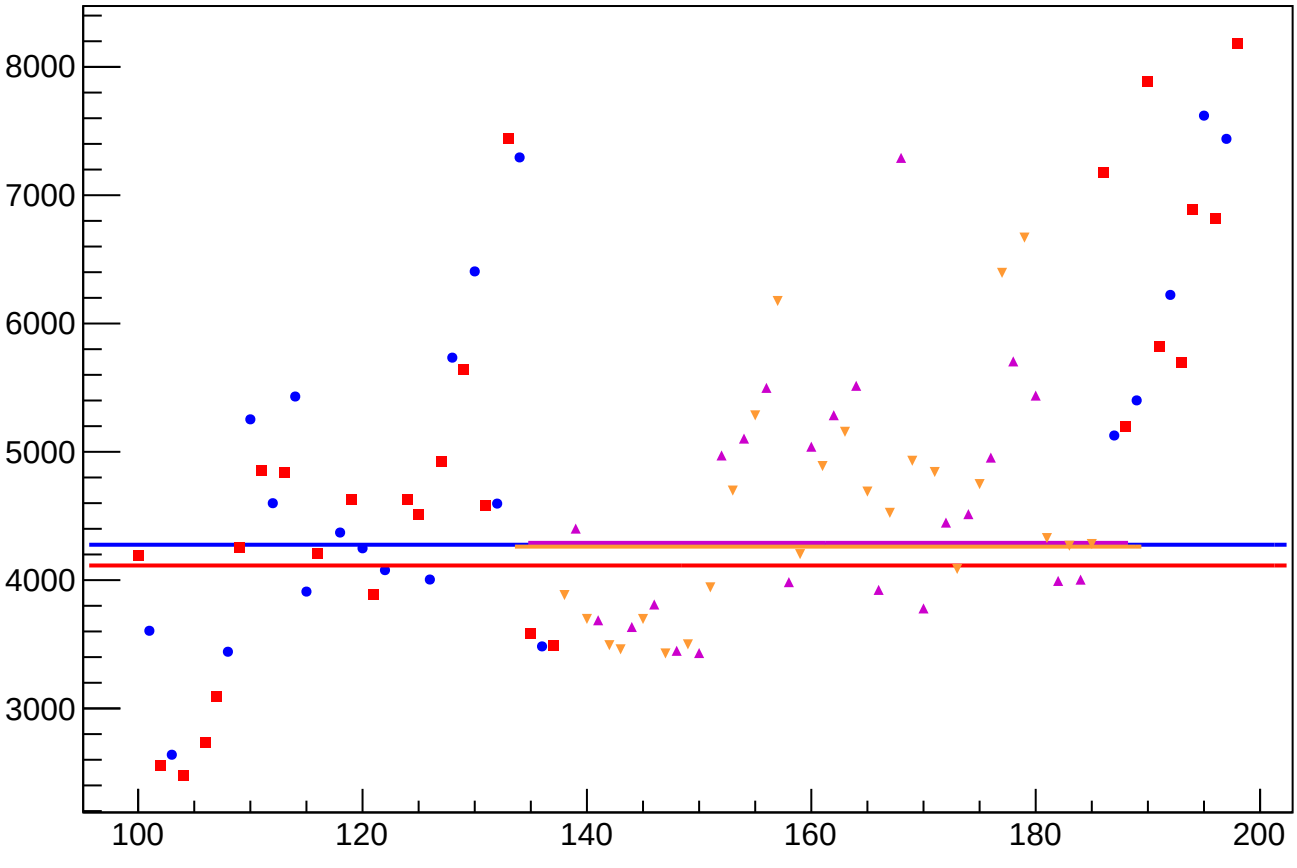
Left: -267.251+/-711.252 χ^2/NDF: 40.9/47

Right: 1256.814+/-918.267 χ^2/NDF: 47.3/47

In: 304.166+/-821.454 χ^2/NDF:34.3/43

Out: 304.302+/-771.346 χ^2/NDF:55.7/51

All: 304.239+/-562.304 χ^2/NDF: 89.9/95



Right In: 4275.849+/-0.976 χ^2/NDF: 1887744.0/20

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4114.155+/-0.870 χ^2/NDF: 3028979.8/26

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

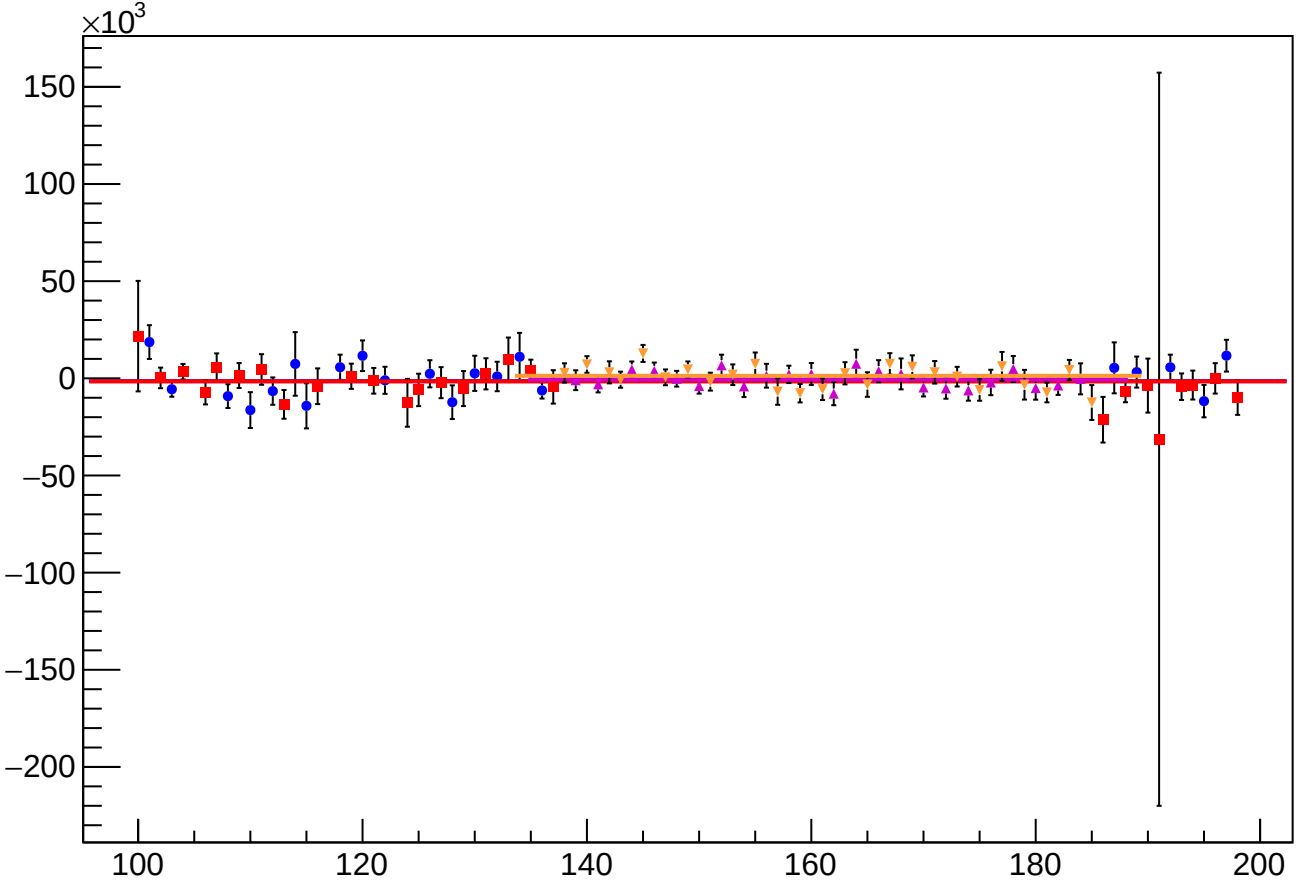
Right: 4185.793+/-0.649 χ^2/NDF: 4932025.7/47

In: 4285.244+/-0.581 χ^2/NDF:3101858.2/43

Out: 4203.371+/-0.545 χ^2/NDF:4236866.0/51

All: 4241.734+/-0.398 χ^2/NDF: 7349282.4/95

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1470.790+/-1556.856 χ^2/NDF: 27.1/20

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: -1537.479+/-1427.003 χ^2/NDF: 16.1/26

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

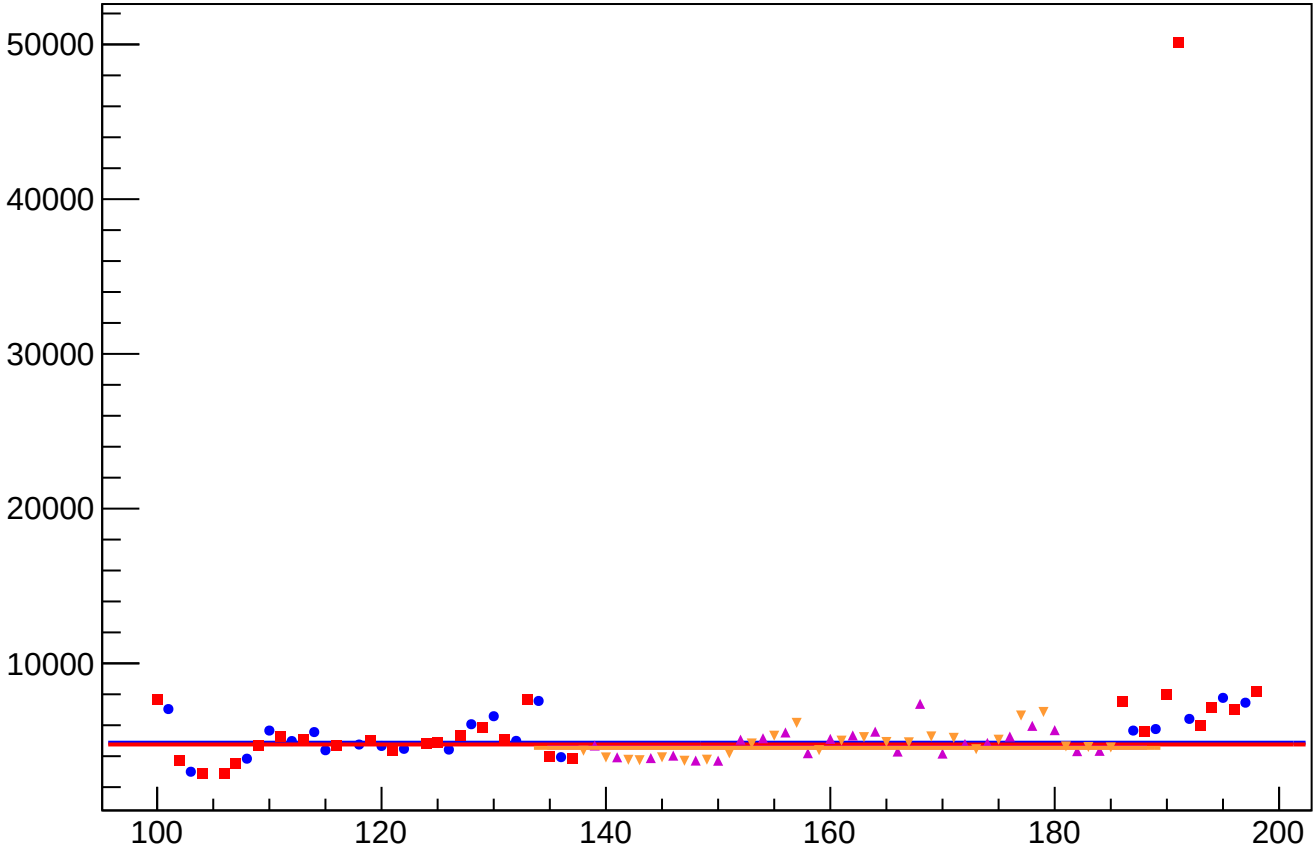
Right: -1507.031+/-1051.960 χ^2/NDF: 43.2/47

In: -867.774+/-888.565 χ^2/NDF:41.7/43

Out: 302.843+/-845.494 χ^2/NDF:47.2/51

All: -253.407+/-612.515 χ^2/NDF: 89.8/95

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4871.298+/-1.101 χ^2/NDF: 1584443.8/20

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

Right Out: 4757.089+/-1.003 χ^2/NDF: 2198668.1/26

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

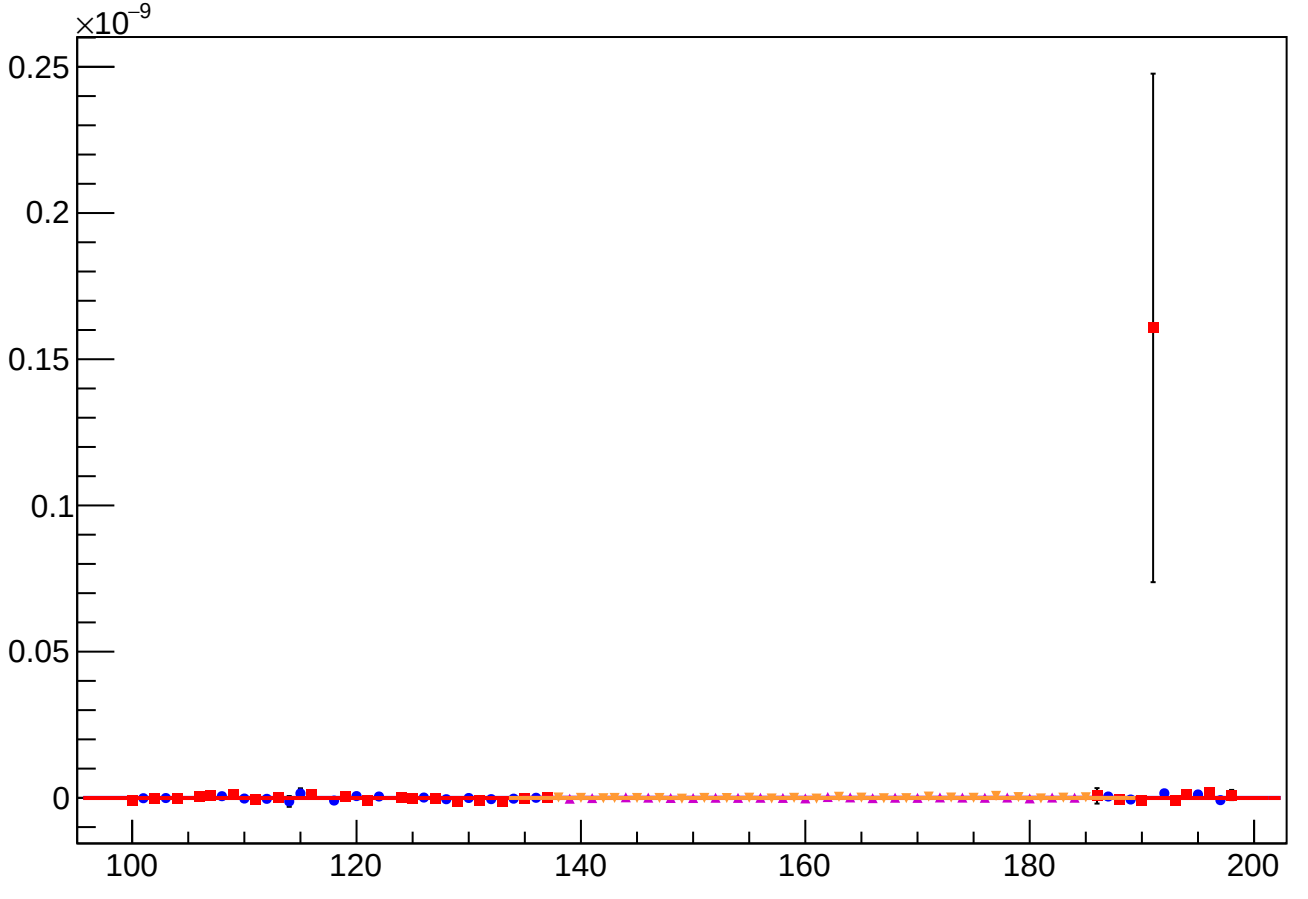
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 4808.873+/-0.741 χ^2/NDF: 3788994.9/47

In: 4661.746+/-0.628 χ^2/NDF:2618384.8/43

Out: 4615.504+/-0.597 χ^2/NDF:3222438.2/51

All: 4637.425+/-0.433 χ^2/NDF: 5843671.8/95



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.9/26

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

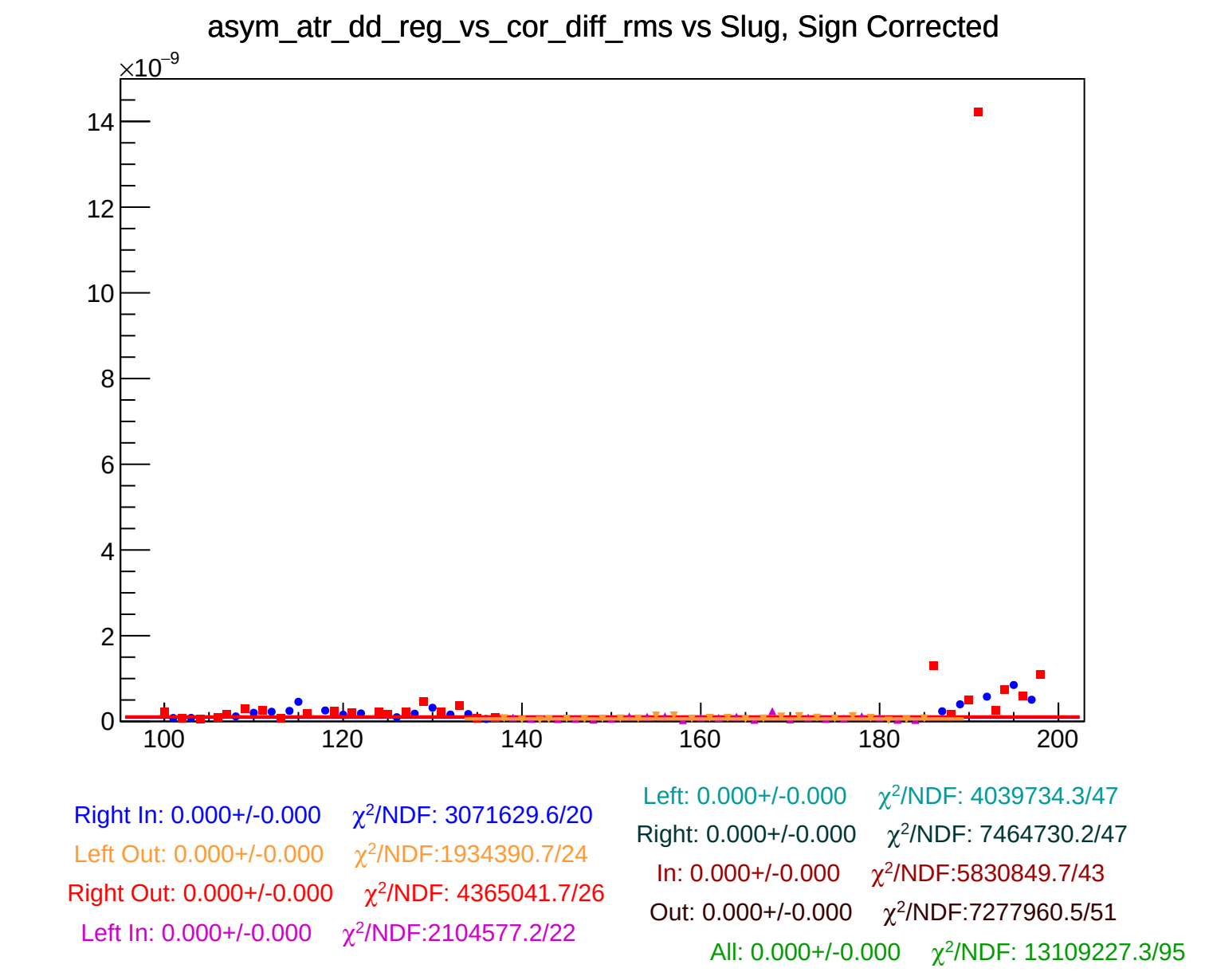
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

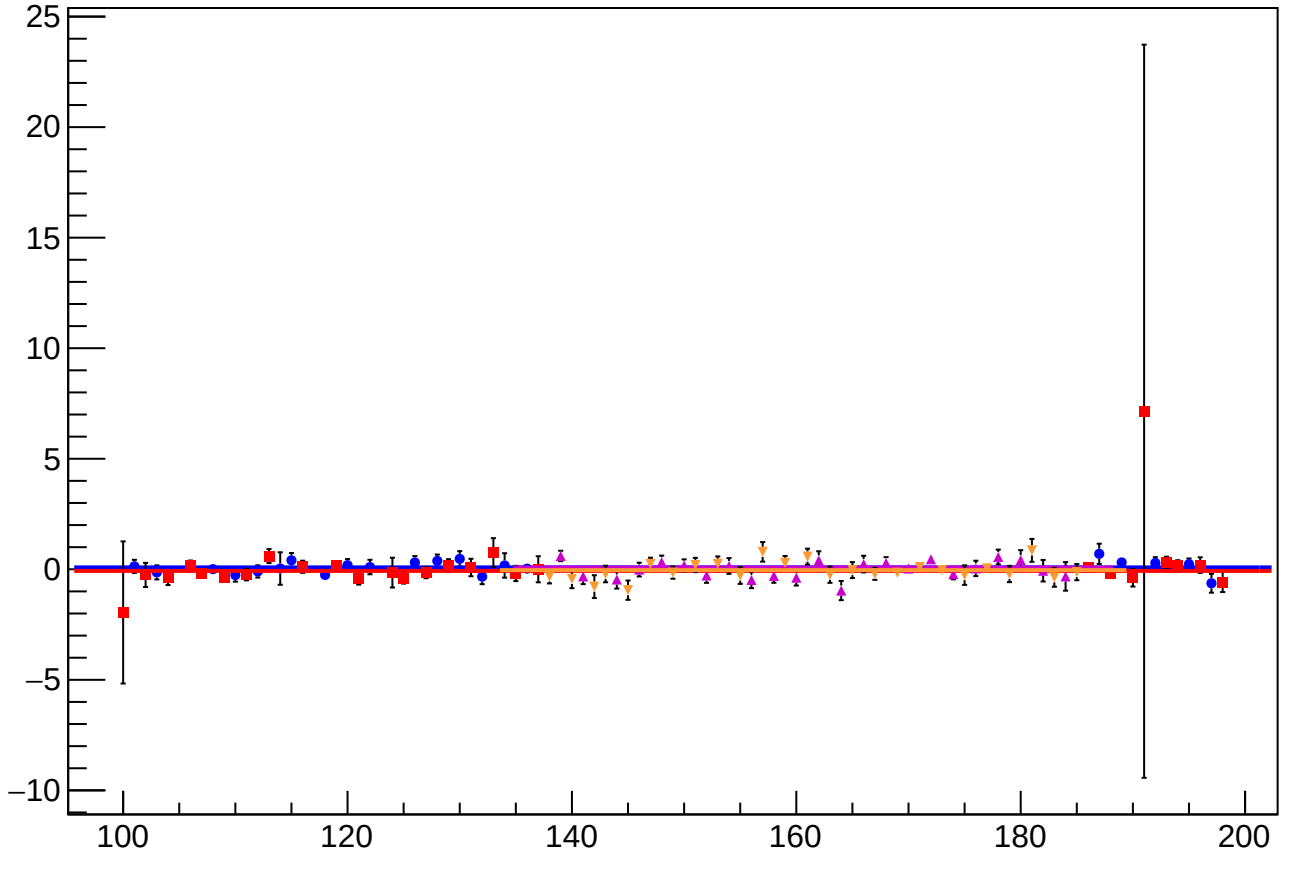
Right: -0.000+/-0.000 χ^2/NDF: 52.2/47

In: 0.000+/-0.000 χ^2/NDF:38.7/43

Out: -0.000+/-0.000 χ^2/NDF:72.0/51

All: -0.000+/-0.000 χ^2/NDF: 112.6/95


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: 3071629.6/20
Left Out: 0.000+/-0.000 χ²/NDF:1934390.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 4365041.7/26
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: 7464730.2/47
In: 0.000+/-0.000 χ²/NDF:5830849.7/43
Out: 0.000+/-0.000 χ²/NDF:7277960.5/51
All: 0.000+/-0.000 χ²/NDF: 13109227.3/95



Right In: 0.086+/-0.061 χ^2/NDF: 17.9/20

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.073+/-0.054 χ^2/NDF: 24.7/26

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

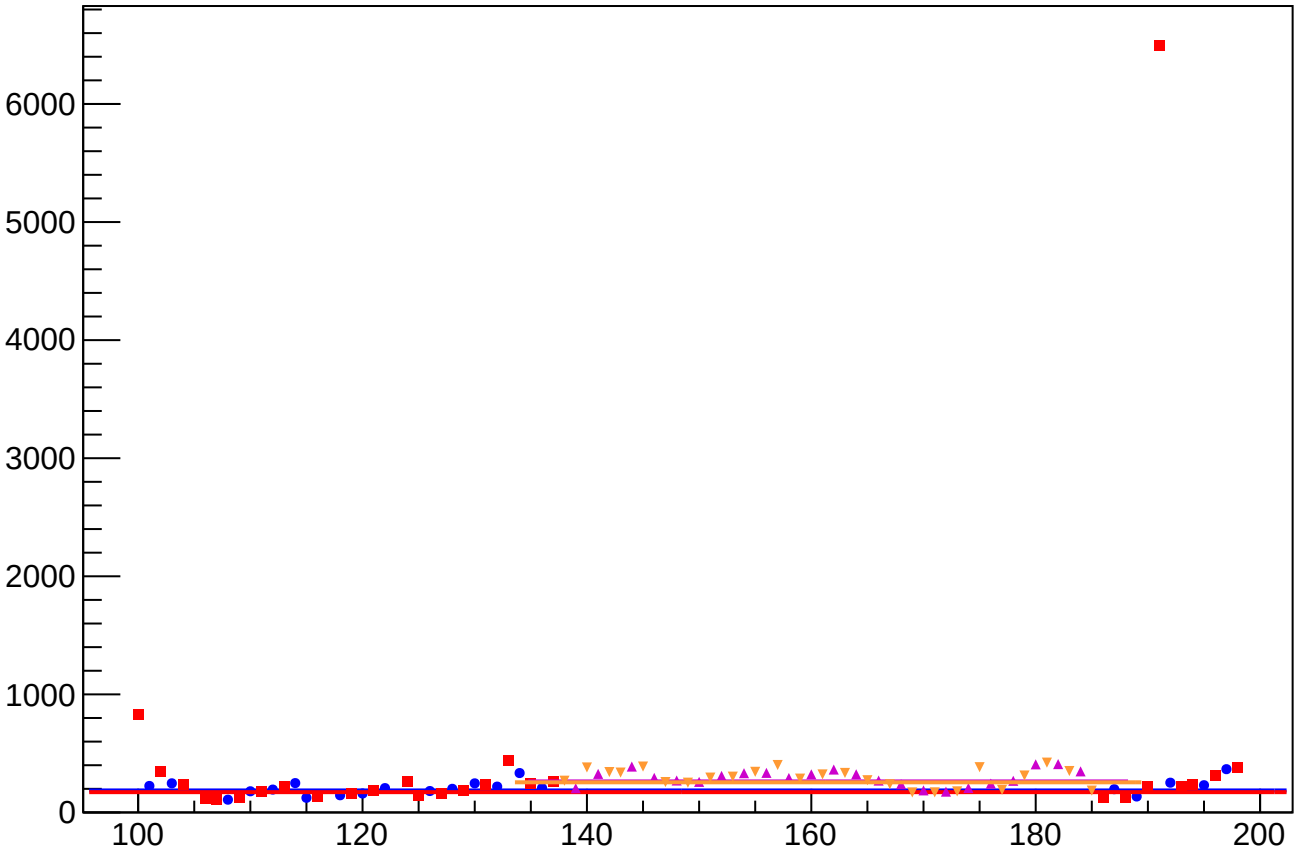
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.004+/-0.040 χ^2/NDF: 46.4/47

In: 0.082+/-0.045 χ^2/NDF:49.0/43

Out: -0.058+/-0.041 χ^2/NDF:49.3/51

All: 0.005+/-0.030 χ^2/NDF: 103.7/95



Right In: 186.423+/-0.043 χ^2/NDF: 1618945.7/20

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 171.965+/-0.038 χ^2/NDF: 2995043.0/26

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

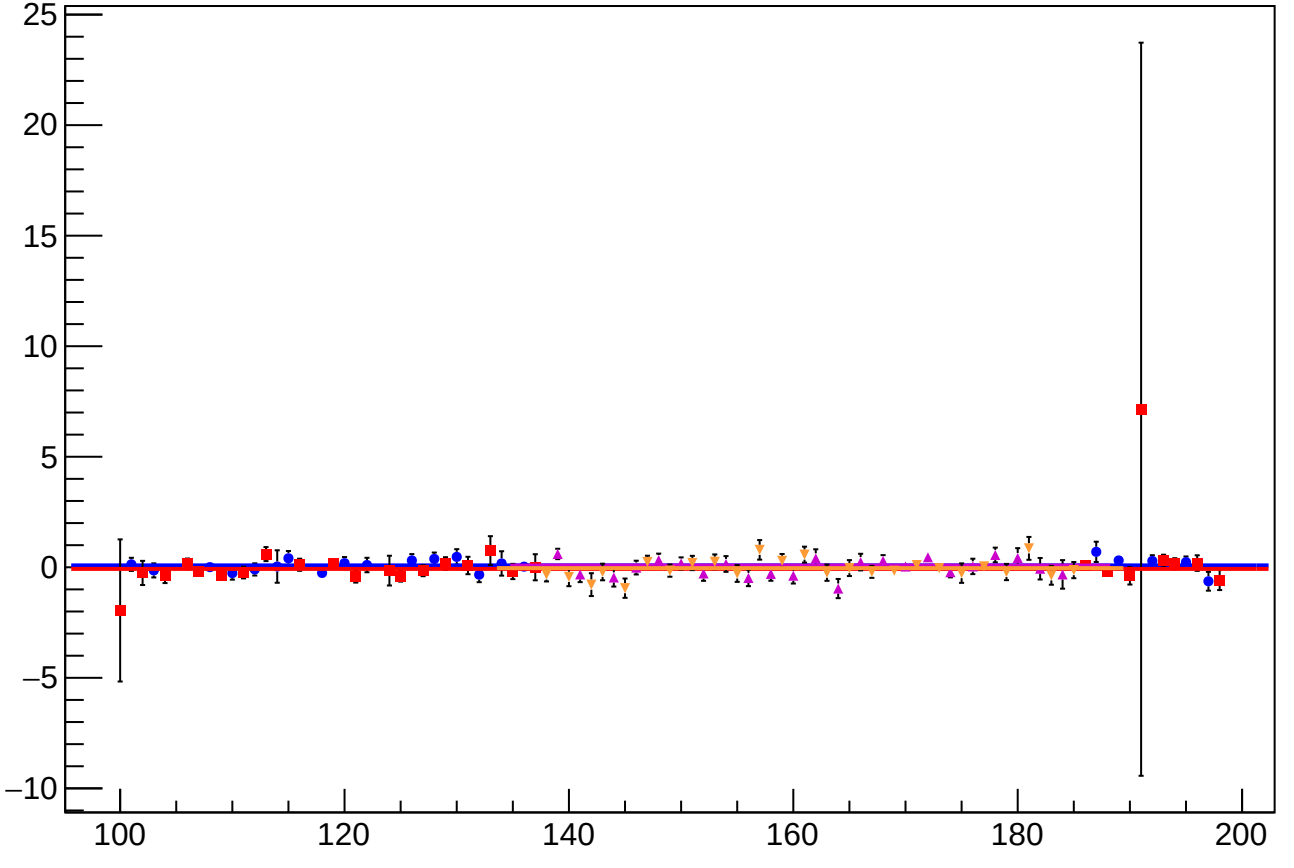
Right: 178.257+/-0.029 χ^2/NDF: 4677049.7/47

In: 222.372+/-0.031 χ^2/NDF:5110459.7/43

Out: 207.769+/-0.029 χ^2/NDF:8000153.9/51

All: 214.395+/-0.021 χ^2/NDF: 13228156.7/95

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.086+/-0.061 χ^2/NDF: 17.9/20

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.073+/-0.054 χ^2/NDF: 24.7/26

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

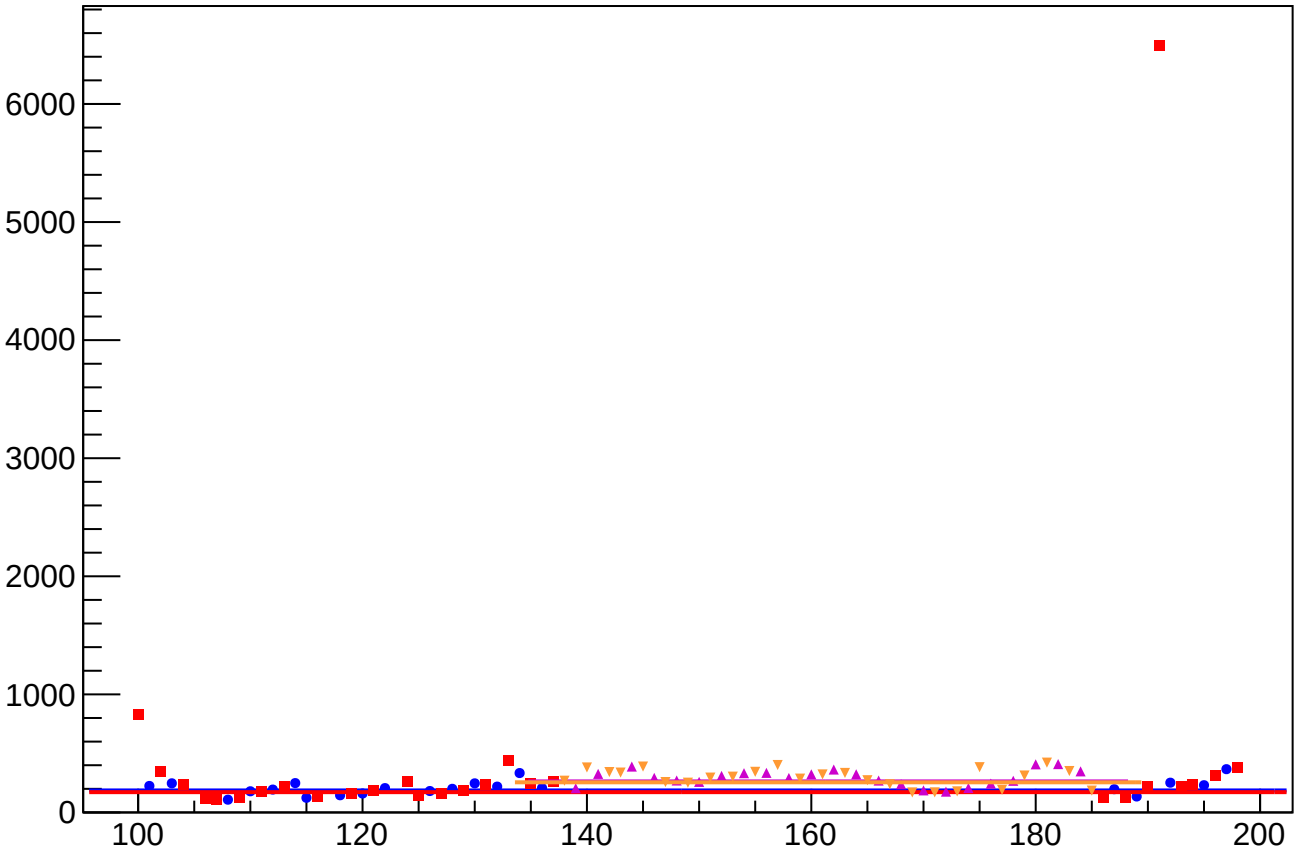
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.004+/-0.040 χ^2/NDF: 46.4/47

In: 0.082+/-0.045 χ^2/NDF:49.0/43

Out: -0.058+/-0.041 χ^2/NDF:49.3/51

All: 0.005+/-0.030 χ^2/NDF: 103.7/95



Right In: 186.423+/-0.043 χ^2/NDF: 1618945.7/20

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 171.965+/-0.038 χ^2/NDF: 2995043.0/26

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

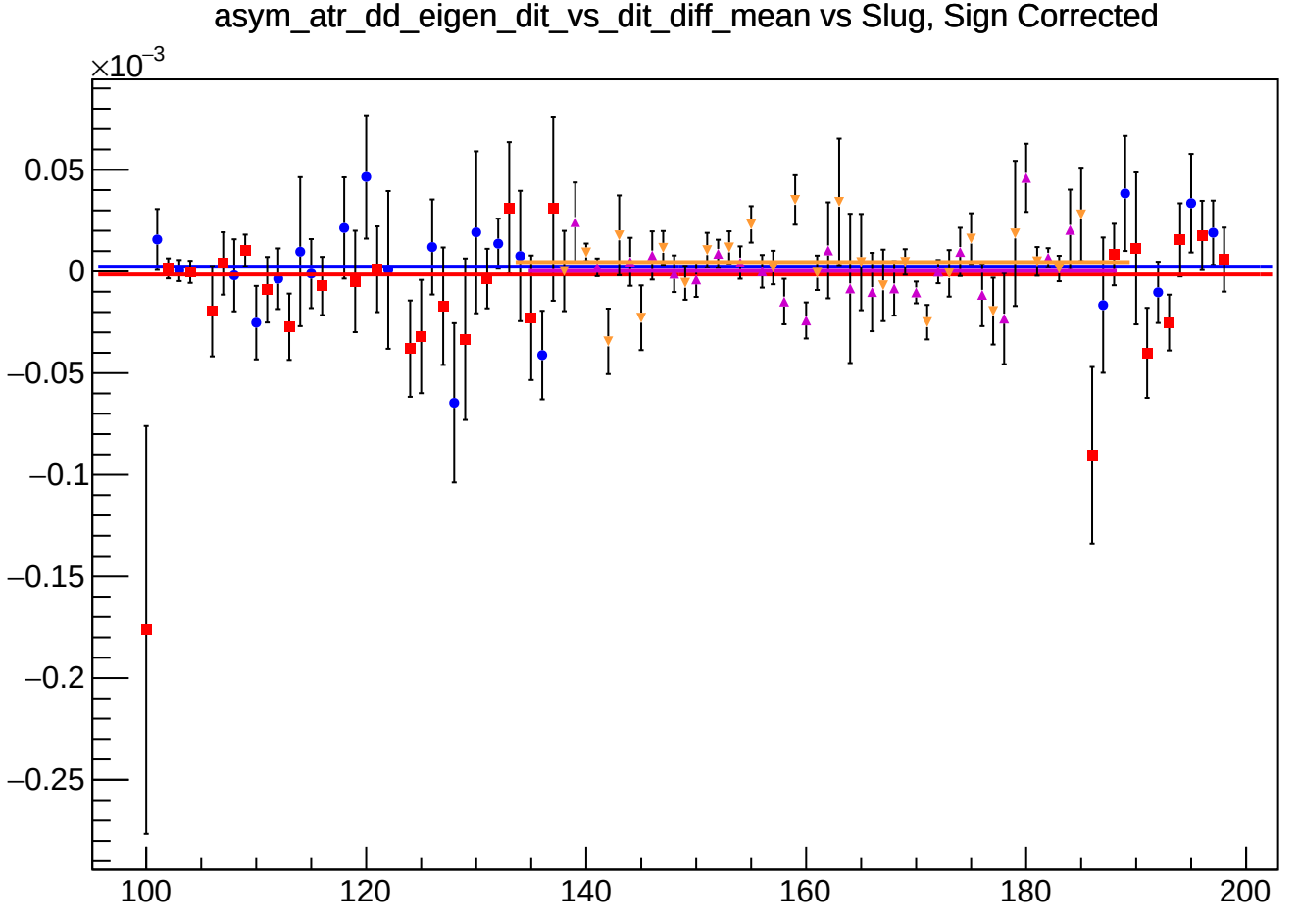
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 178.257+/-0.029 χ^2/NDF: 4677049.7/47

In: 222.372+/-0.031 χ^2/NDF:5110459.7/43

Out: 207.769+/-0.029 χ^2/NDF:8000153.9/51

All: 214.395+/-0.021 χ^2/NDF: 13228156.7/95



Right In: 0.000+/-0.000 χ^2/NDF: 19.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.1/26

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

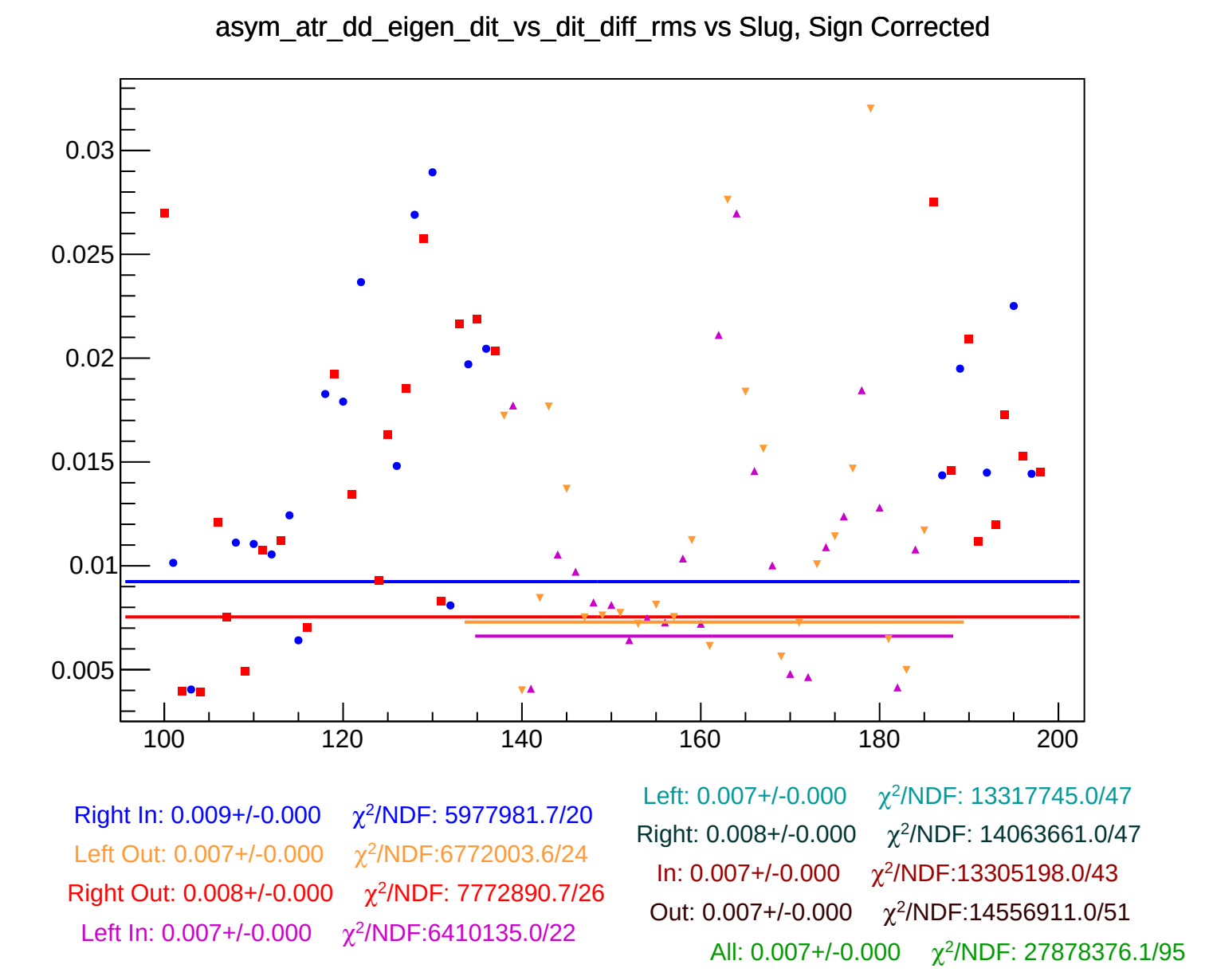
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

Right: -0.000+/-0.000 χ^2/NDF: 49.8/47

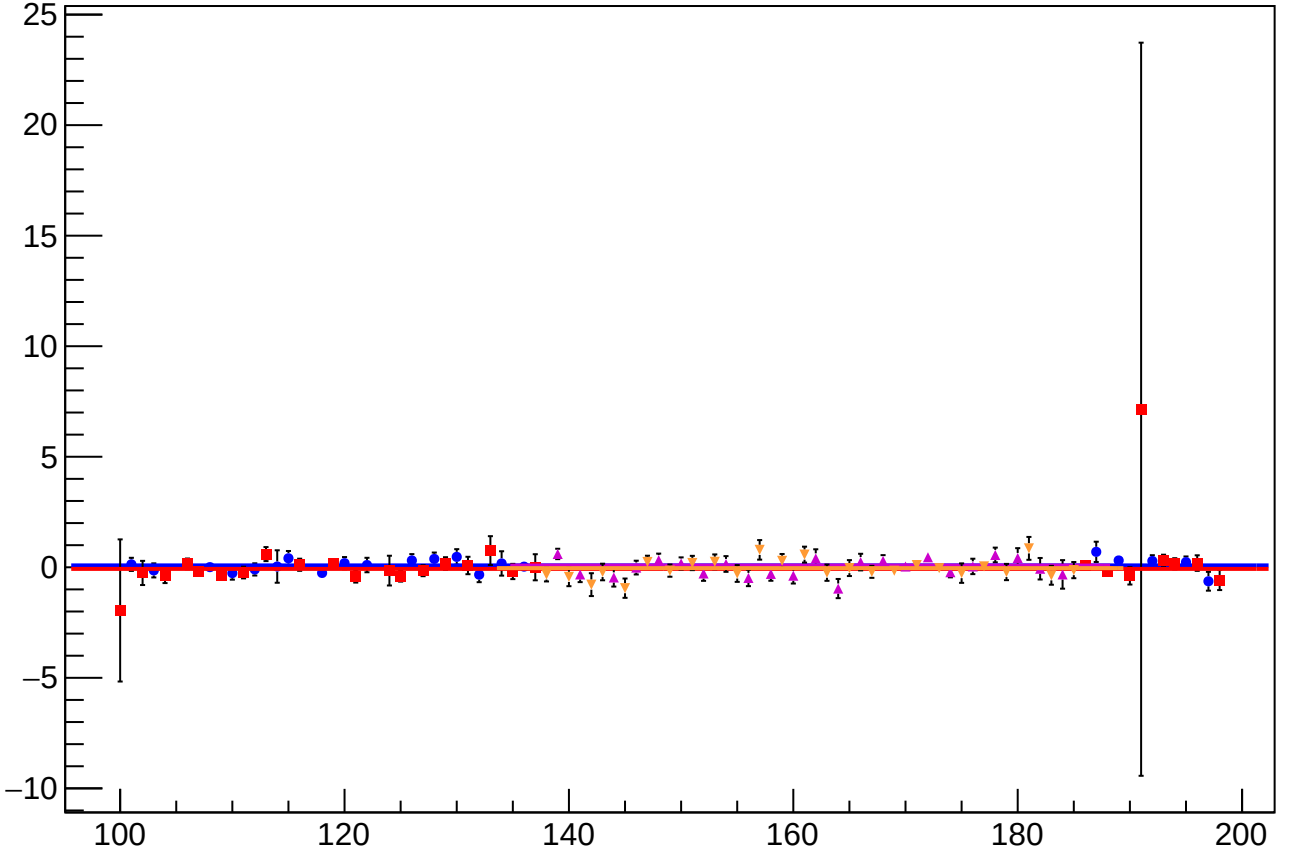
In: 0.000+/-0.000 χ^2/NDF:51.3/43

Out: 0.000+/-0.000 χ^2/NDF:76.2/51

All: 0.000+/-0.000 χ^2/NDF: 128.1/95


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: 0.009+/-0.000 χ²/NDF: 5977981.7/20
Left Out: 0.007+/-0.000 χ²/NDF:6772003.6/24
Right Out: 0.008+/-0.000 χ²/NDF: 7772890.7/26
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: 14063661.0/47
In: 0.007+/-0.000 χ²/NDF:13305198.0/43
Out: 0.007+/-0.000 χ²/NDF:14556911.0/51
All: 0.007+/-0.000 χ²/NDF: 27878376.1/95

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.086+/-0.061 χ^2/NDF: 17.9/20

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.073+/-0.054 χ^2/NDF: 24.7/26

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

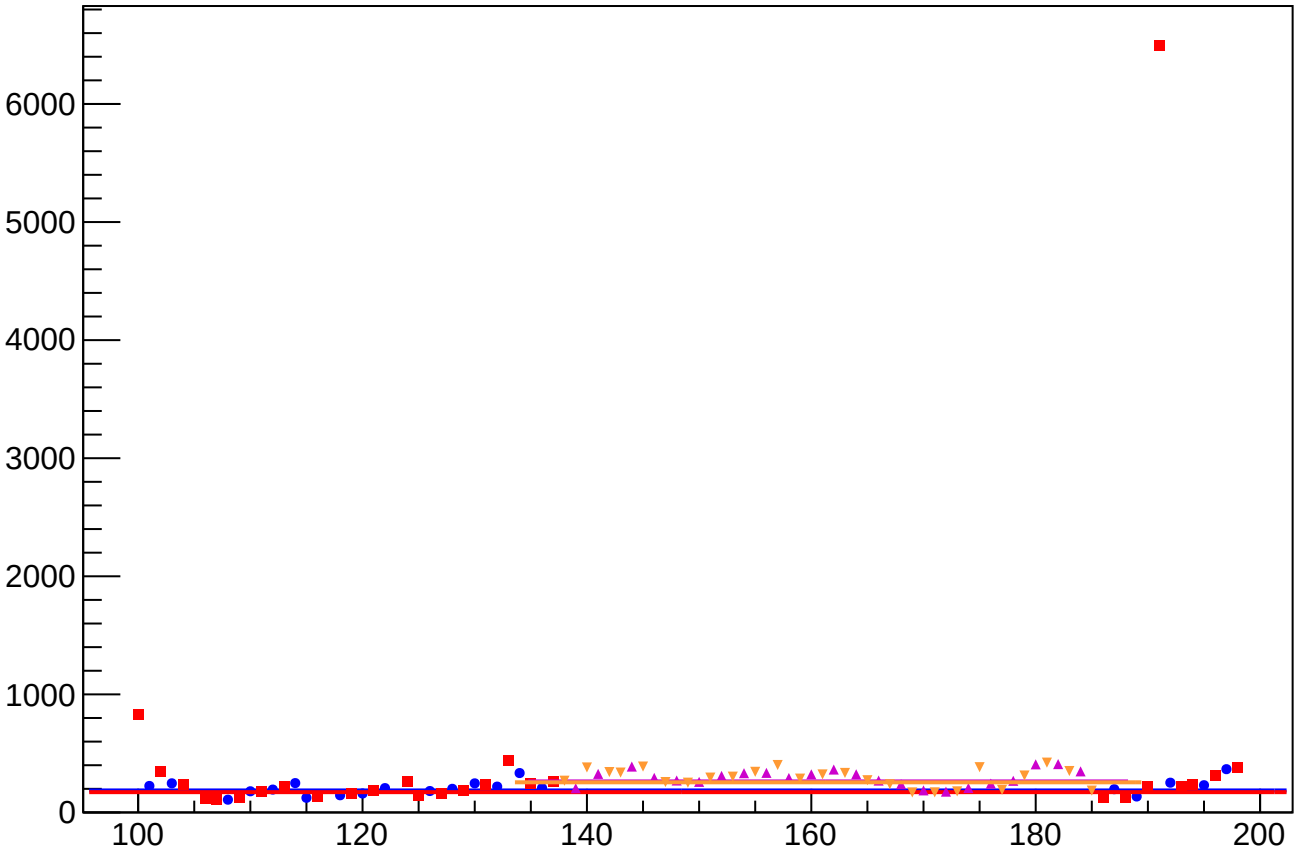
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.004+/-0.040 χ^2/NDF: 46.4/47

In: 0.082+/-0.045 χ^2/NDF:49.0/43

Out: -0.058+/-0.041 χ^2/NDF:49.3/51

All: 0.005+/-0.030 χ^2/NDF: 103.7/95



Right In: 186.423+/-0.043 χ^2/NDF: 1618935.3/20

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 171.966+/-0.038 χ^2/NDF: 2994981.7/26

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

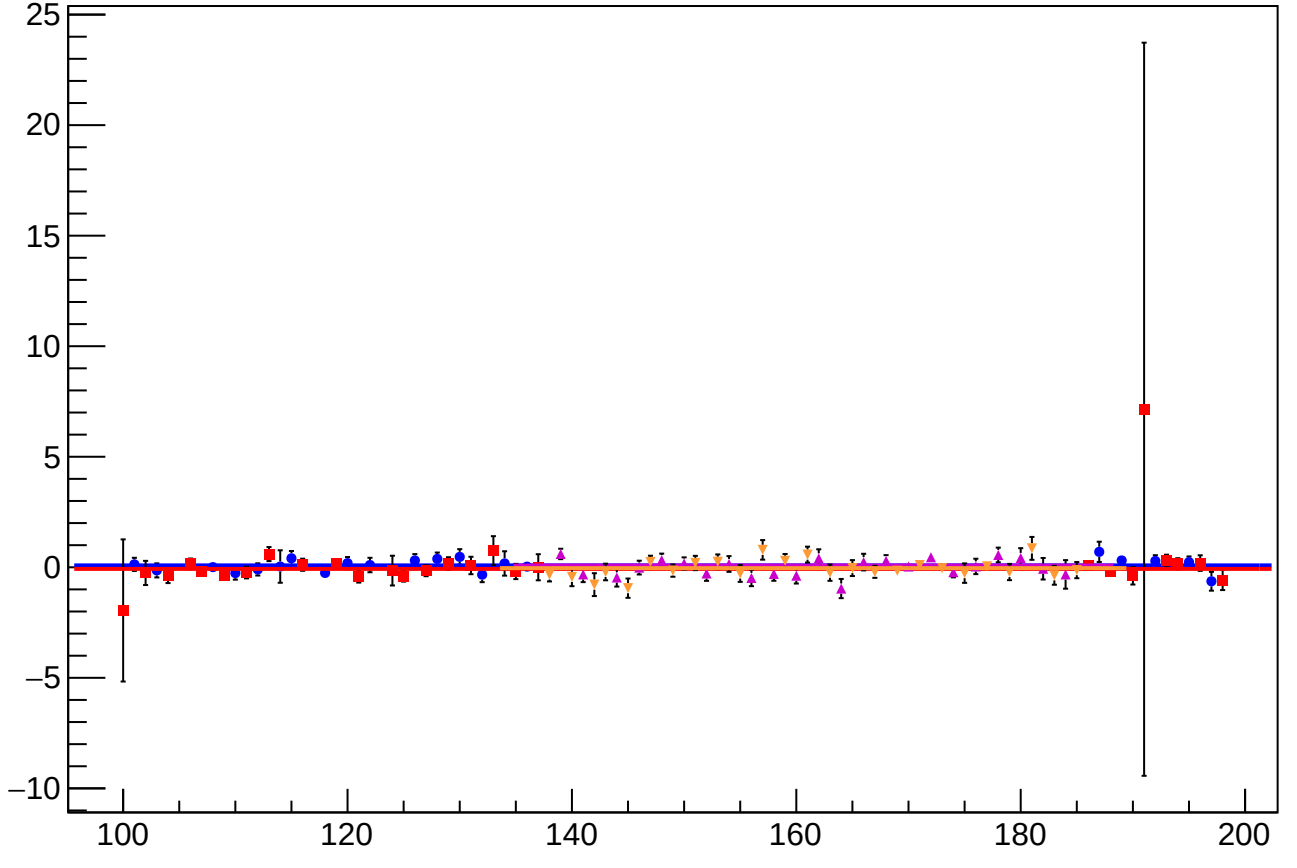
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 178.257+/-0.029 χ^2/NDF: 4676963.7/47

In: 222.373+/-0.031 χ^2/NDF:5110584.1/43

Out: 207.771+/-0.029 χ^2/NDF:8000195.4/51

All: 214.396+/-0.021 χ^2/NDF: 13228305.9/95



Right In: 0.086+/-0.061 χ^2/NDF: 17.9/20

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.073+/-0.054 χ^2/NDF: 24.7/26

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

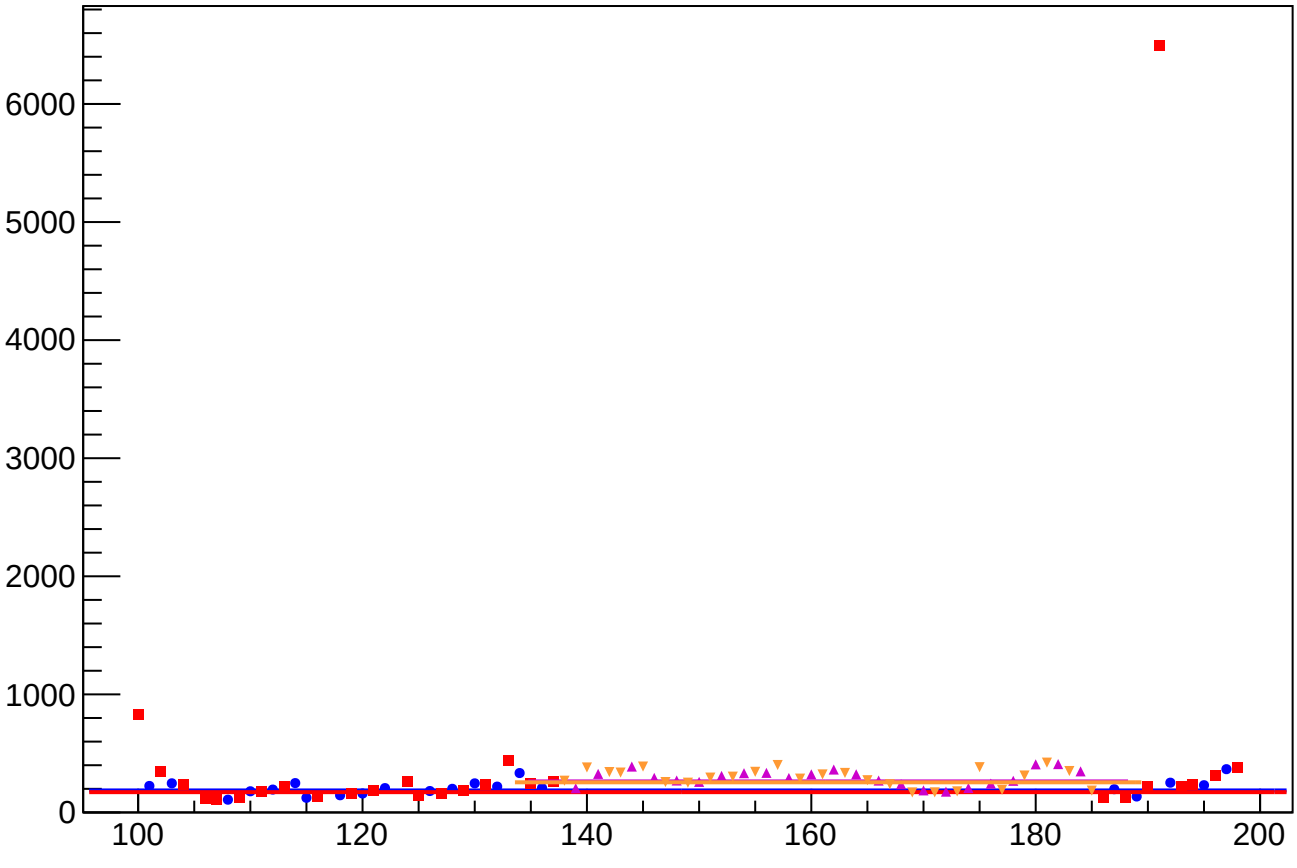
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.004+/-0.040 χ^2/NDF: 46.4/47

In: 0.082+/-0.045 χ^2/NDF:49.0/43

Out: -0.058+/-0.041 χ^2/NDF:49.3/51

All: 0.005+/-0.030 χ^2/NDF: 103.7/95



Right In: 186.423+/-0.043 χ^2/NDF: 1618935.3/20

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 171.966+/-0.038 χ^2/NDF: 2994981.7/26

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

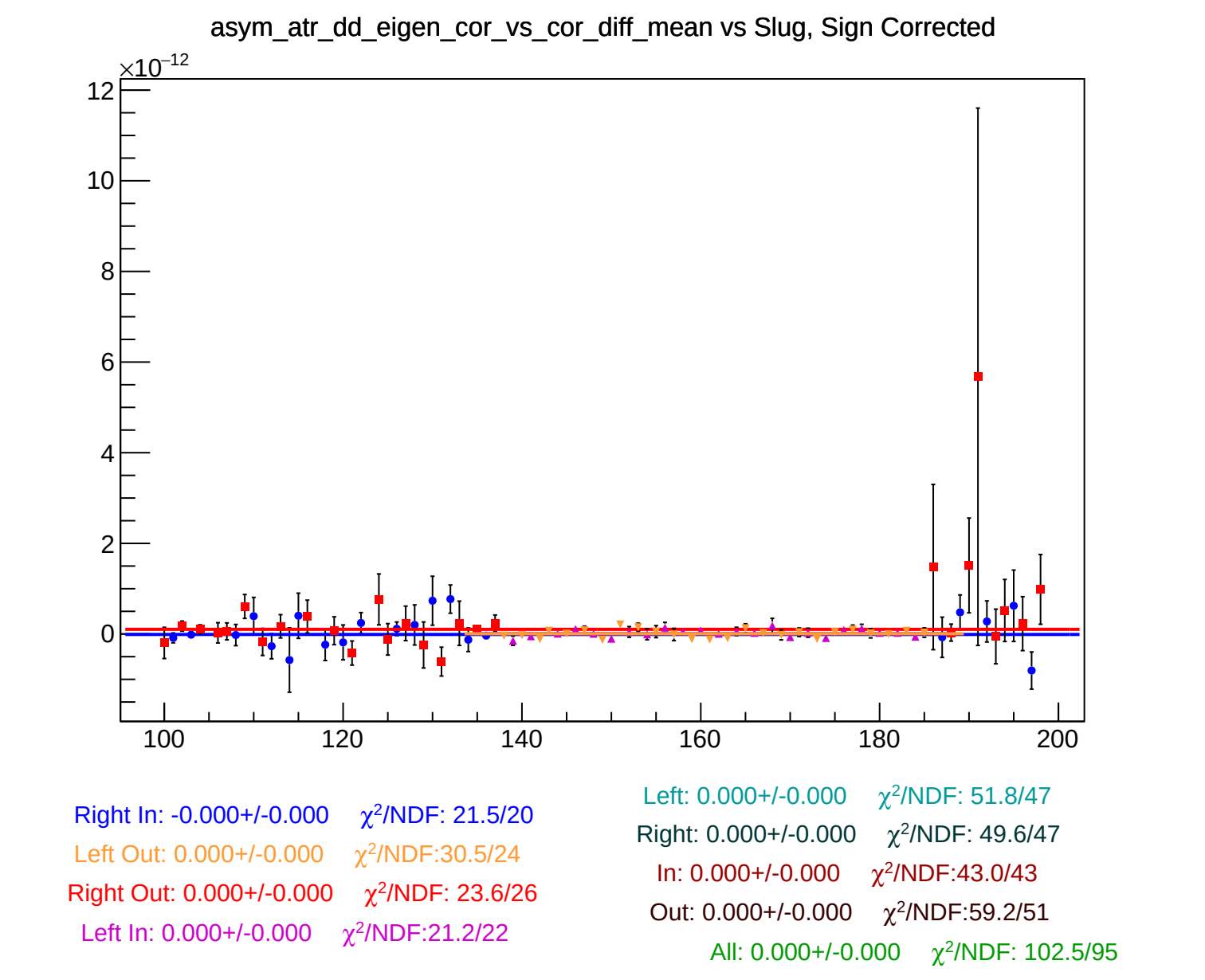
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 178.257+/-0.029 χ^2/NDF: 4676963.7/47

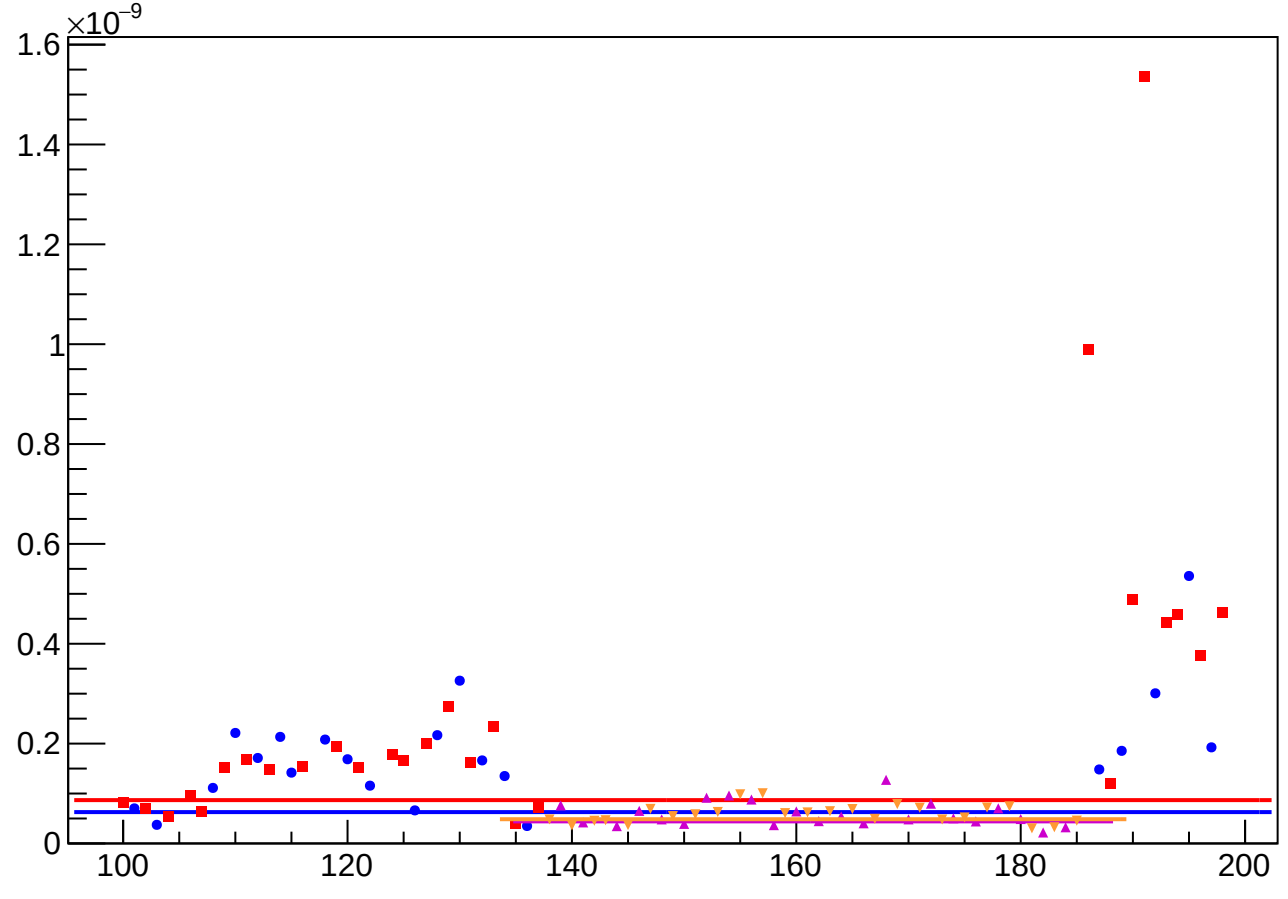
In: 222.373+/-0.031 χ^2/NDF:5110584.1/43

Out: 207.771+/-0.029 χ^2/NDF:8000195.4/51

All: 214.396+/-0.021 χ^2/NDF: 13228305.9/95


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: 21.5/20
Left Out: 0.000+/-0.000 χ²/NDF:30.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 23.6/26
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: 49.6/47
In: 0.000+/-0.000 χ²/NDF:43.0/43
Out: 0.000+/-0.000 χ²/NDF:59.2/51
All: 0.000+/-0.000 χ²/NDF: 102.5/95

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5111709.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6020327.7/26

Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

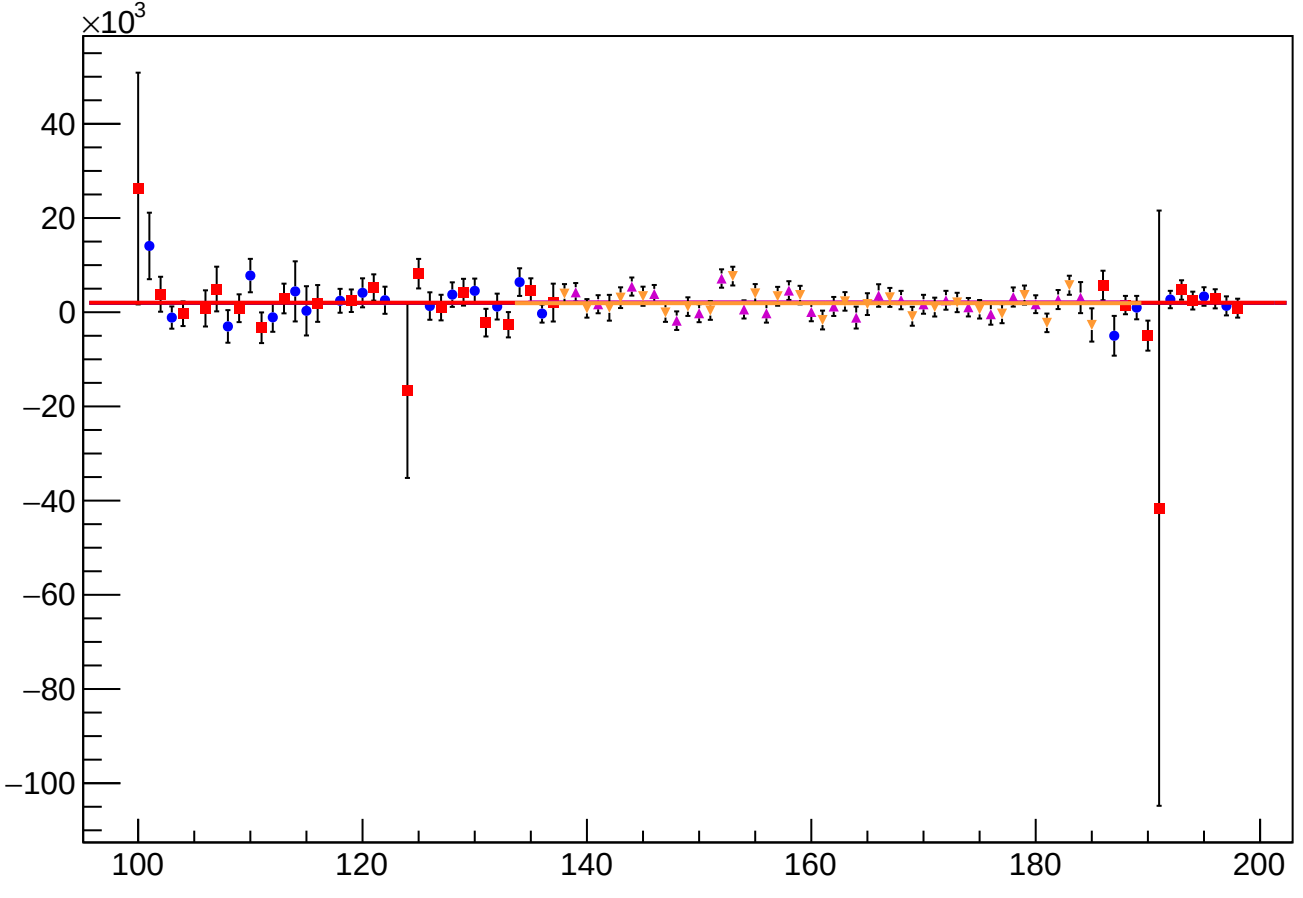
Left: 0.000+/-0.000 χ^2/NDF: 6214196.4/47

Right: 0.000+/-0.000 χ^2/NDF: 11533910.5/47

In: 0.000+/-0.000 χ^2/NDF:9231160.3/43

Out: 0.000+/-0.000 χ^2/NDF:10086802.3/51

All: 0.000+/-0.000 χ^2/NDF: 19523796.1/95



Right In: 1967.371+/-591.271 χ^2/NDF: 20.1/20

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: 2015.377+/-549.601 χ^2/NDF: 27.5/26

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

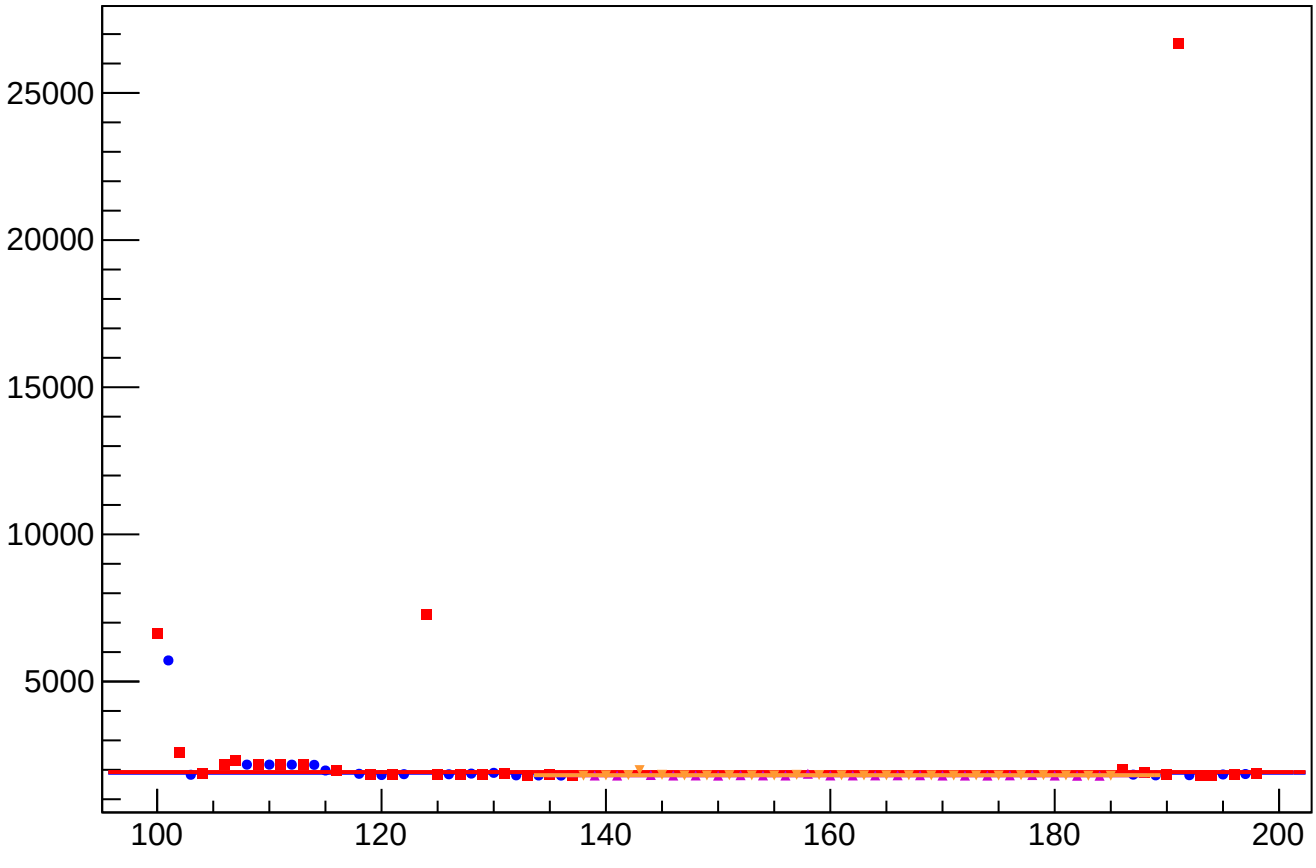
Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

Right: 1993.125+/-402.553 χ^2/NDF: 47.6/47

In: 2038.014+/-344.136 χ^2/NDF:46.6/43

Out: 1954.810+/-330.126 χ^2/NDF:60.1/51

All: 1994.684+/-238.233 χ^2/NDF: 106.7/95



Right In: 1900.223+/-0.418 χ^2/NDF: 652959.2/20

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1923.598+/-0.389 χ^2/NDF: 717804.0/26

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

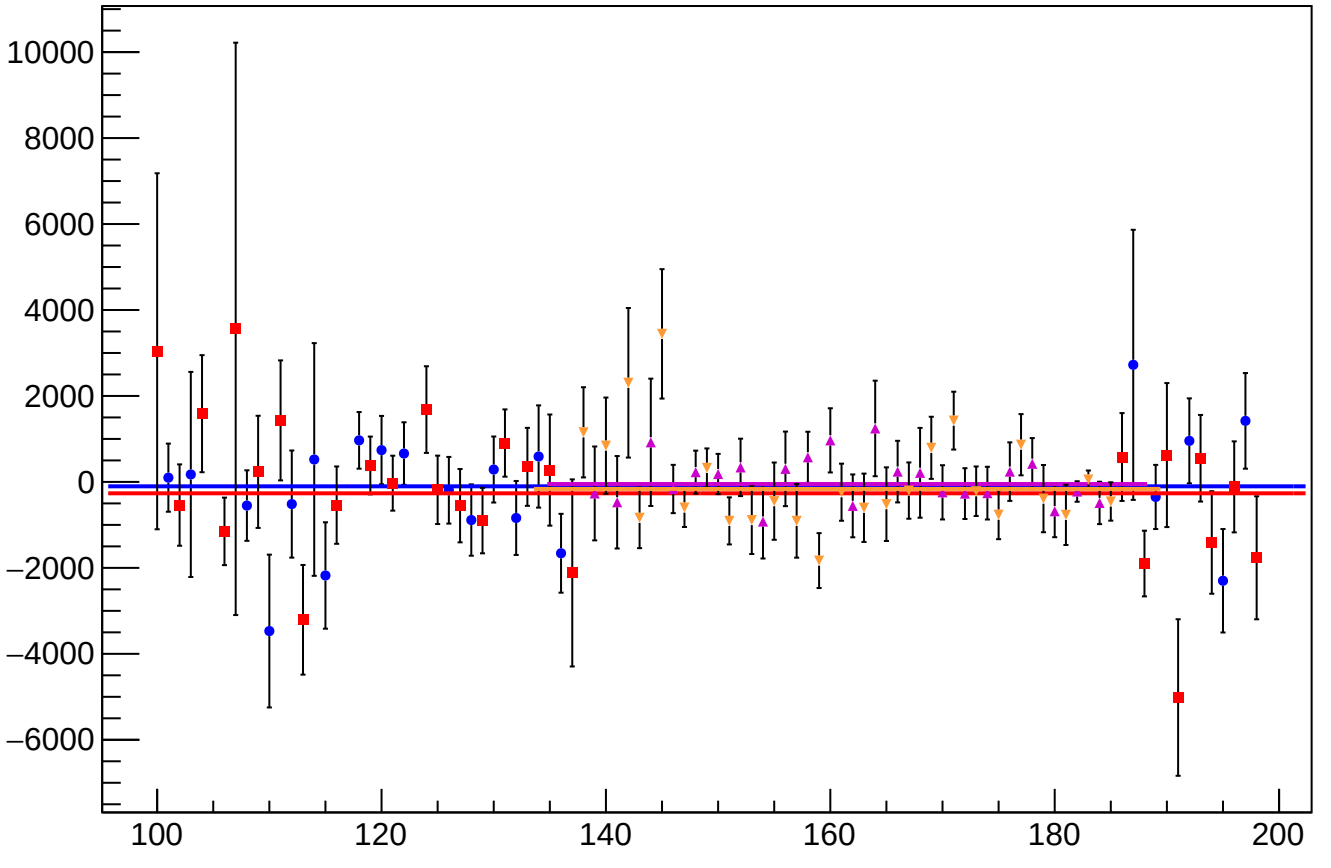
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1912.763+/-0.285 χ^2/NDF: 1372440.1/47

In: 1842.246+/-0.243 χ^2/NDF:684052.7/43

Out: 1855.795+/-0.233 χ^2/NDF:778379.0/51

All: 1849.302+/-0.168 χ^2/NDF: 1464046.2/95



Right In: -102.687+/-207.388 χ^2/NDF: 24.2/20

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: -265.060+/-193.584 χ^2/NDF: 35.5/26

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

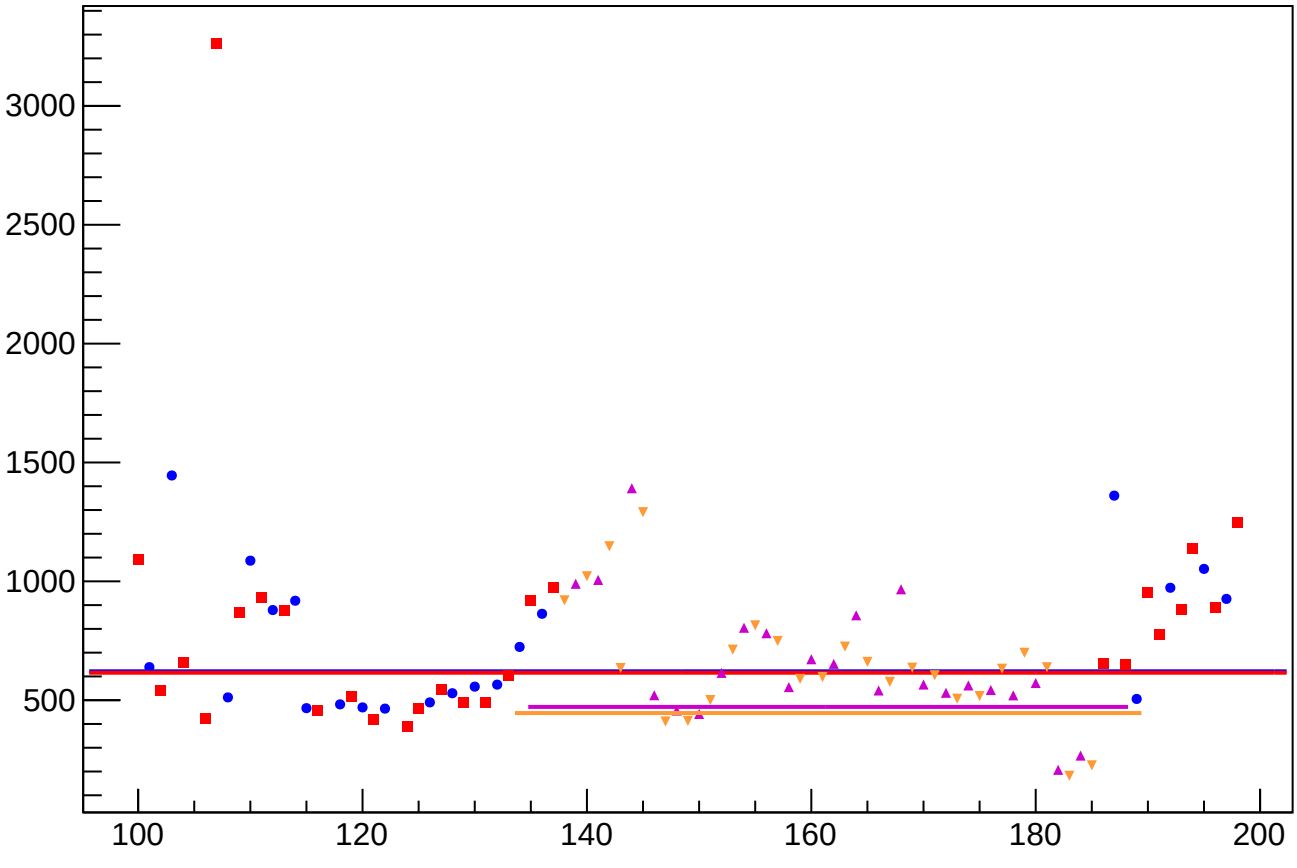
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -189.456+/-141.513 χ^2/NDF: 60.0/47

In: -63.133+/-105.596 χ^2/NDF:35.6/43

Out: -189.720+/-99.058 χ^2/NDF:72.5/51

All: -130.467+/-72.245 χ^2/NDF: 108.8/95



Right In: 621.473+/-0.147 χ^2/NDF: 1884527.7/20

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 615.601+/-0.137 χ^2/NDF: 2636527.8/26

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

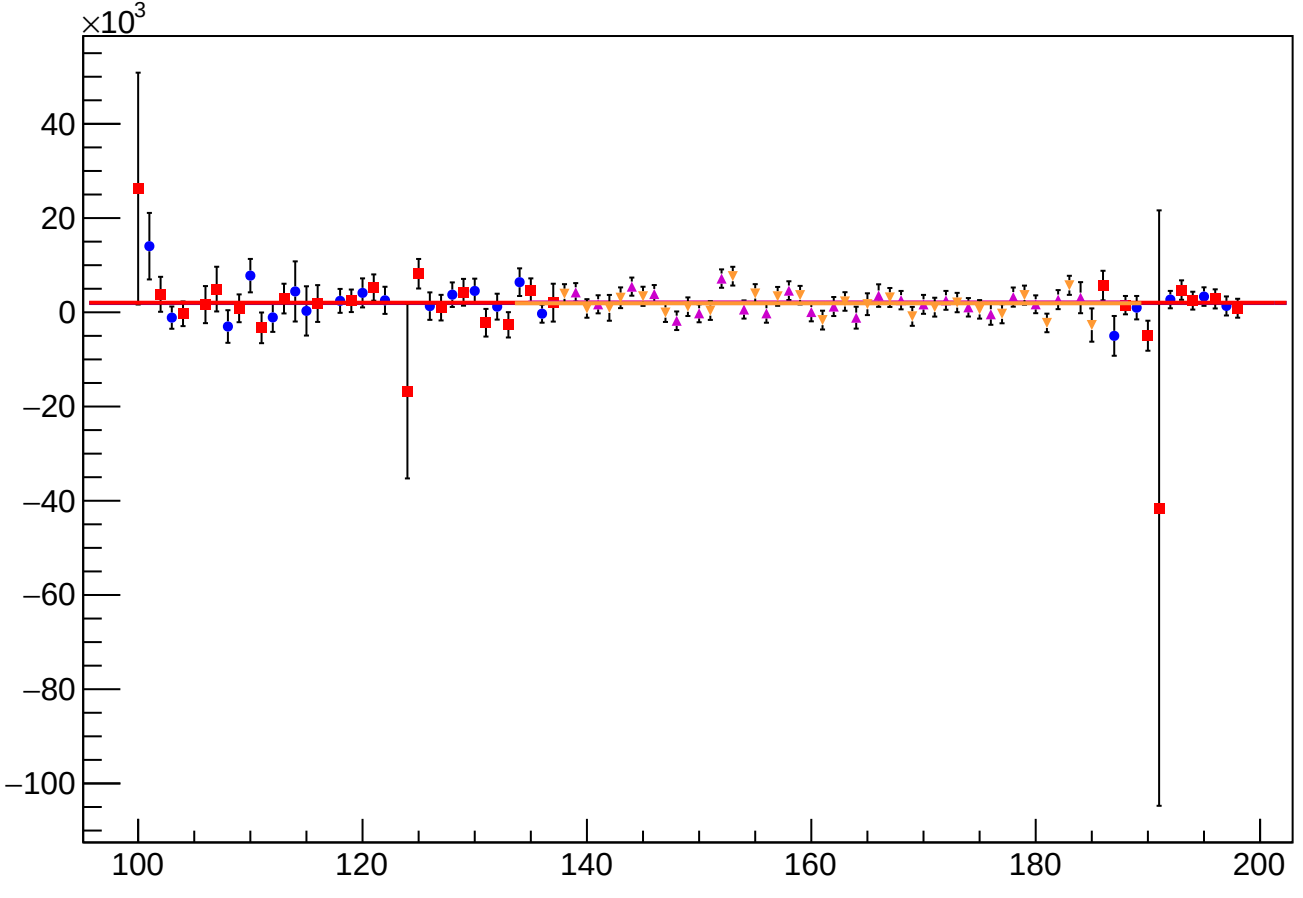
Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

Right: 618.335+/-0.100 χ^2/NDF: 4521912.3/47

In: 510.564+/-0.075 χ^2/NDF:9070646.3/43

Out: 490.329+/-0.070 χ^2/NDF:11753595.0/51

All: 499.801+/-0.051 χ^2/NDF: 20863303.4/95



Right In: 1967.183+/-591.271 χ^2/NDF: 20.1/20

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2032.727+/-549.870 χ^2/NDF: 27.4/26

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

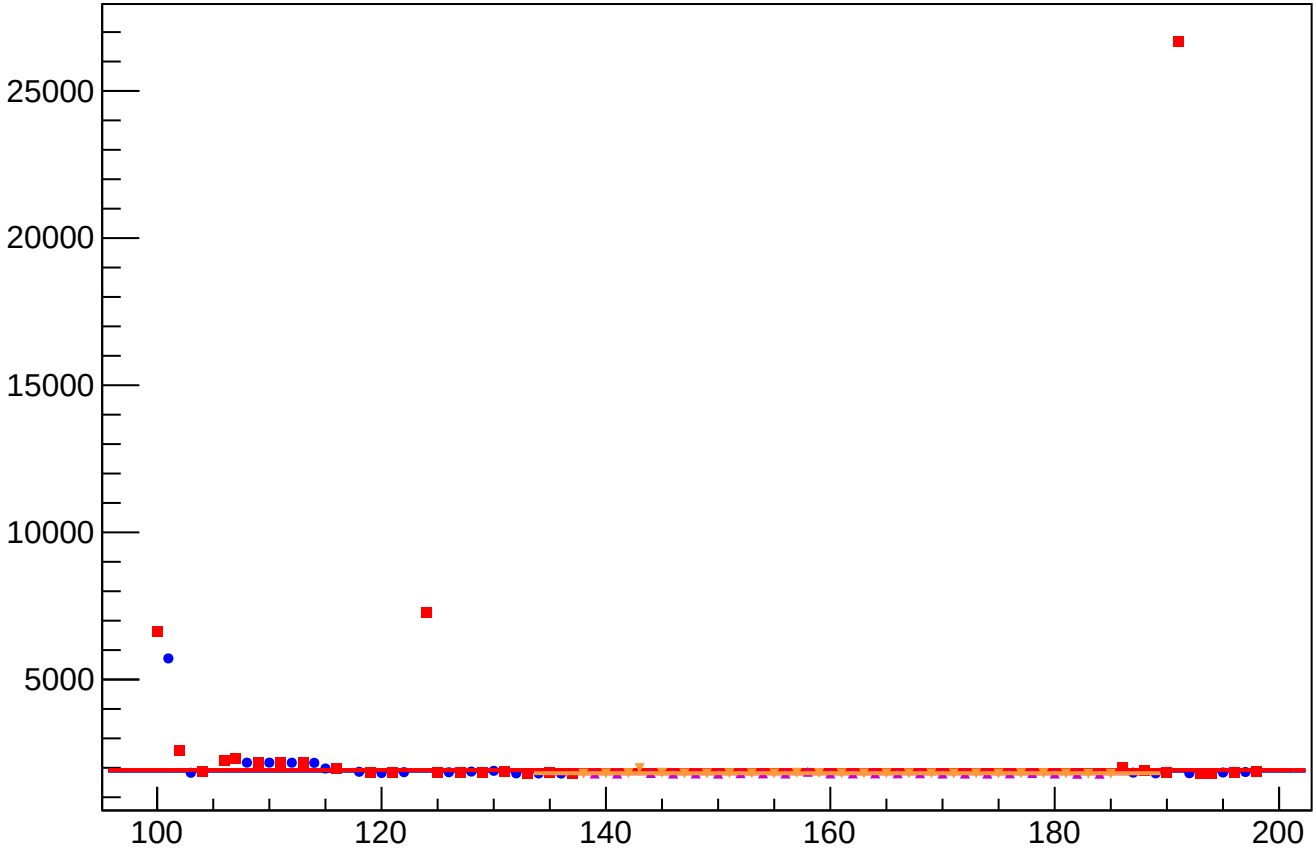
Right: 2002.330+/-402.659 χ^2/NDF: 47.5/47

In: 2038.018+/-344.136 χ^2/NDF:46.6/43

Out: 1961.022+/-330.184 χ^2/NDF:60.0/51

All: 1997.927+/-238.255 χ^2/NDF: 106.6/95

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1900.223+/-0.418 χ^2/NDF: 652959.2/20

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1924.325+/-0.389 χ^2/NDF: 721190.0/26

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

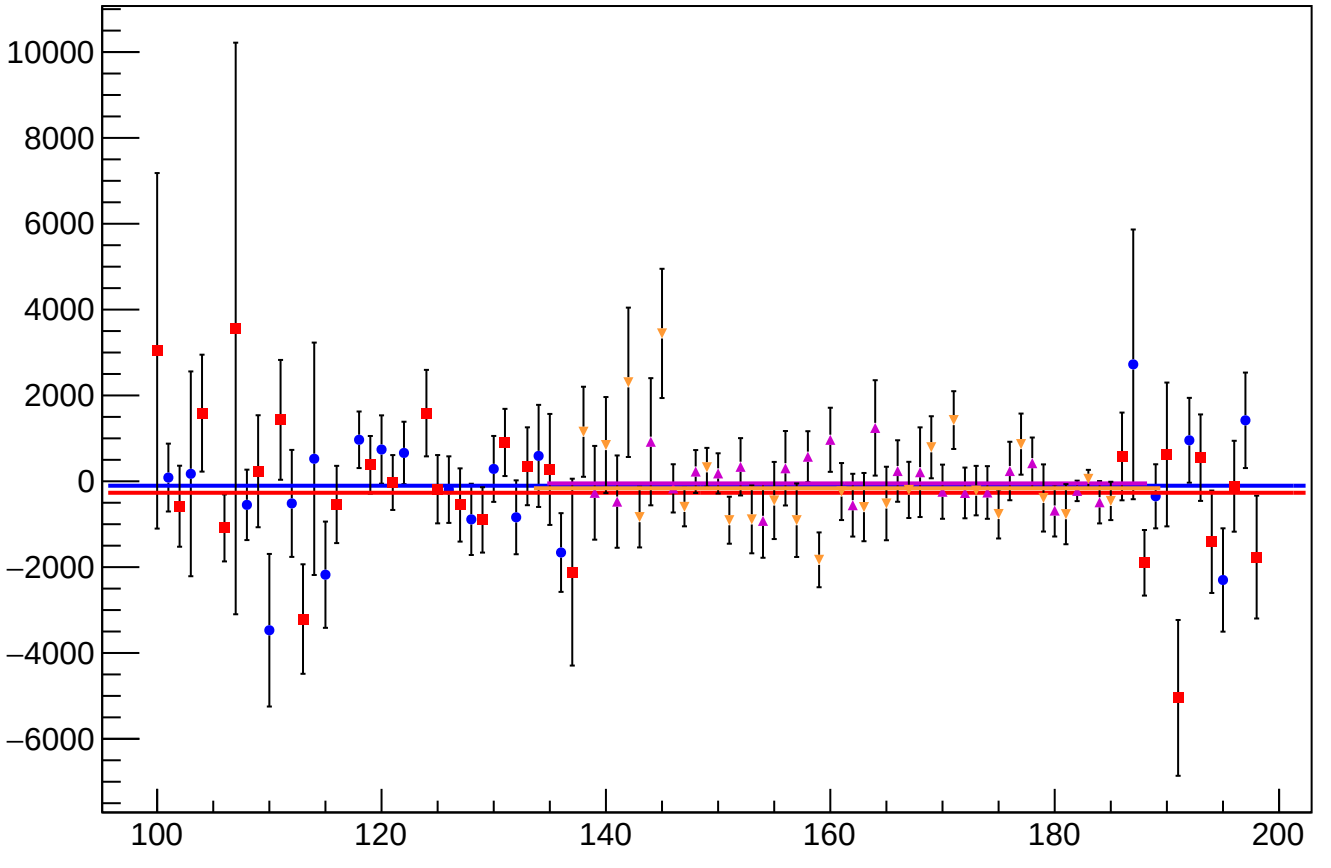
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1913.147+/-0.285 χ^2/NDF: 1375931.3/47

In: 1842.246+/-0.243 χ^2/NDF:684052.6/43

Out: 1856.034+/-0.233 χ^2/NDF:782390.0/51

All: 1849.425+/-0.168 χ^2/NDF: 1468114.1/95



Right In: -103.360+/-207.352 χ^2/NDF: 24.2/20

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -267.634+/-193.485 χ^2/NDF: 35.1/26

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

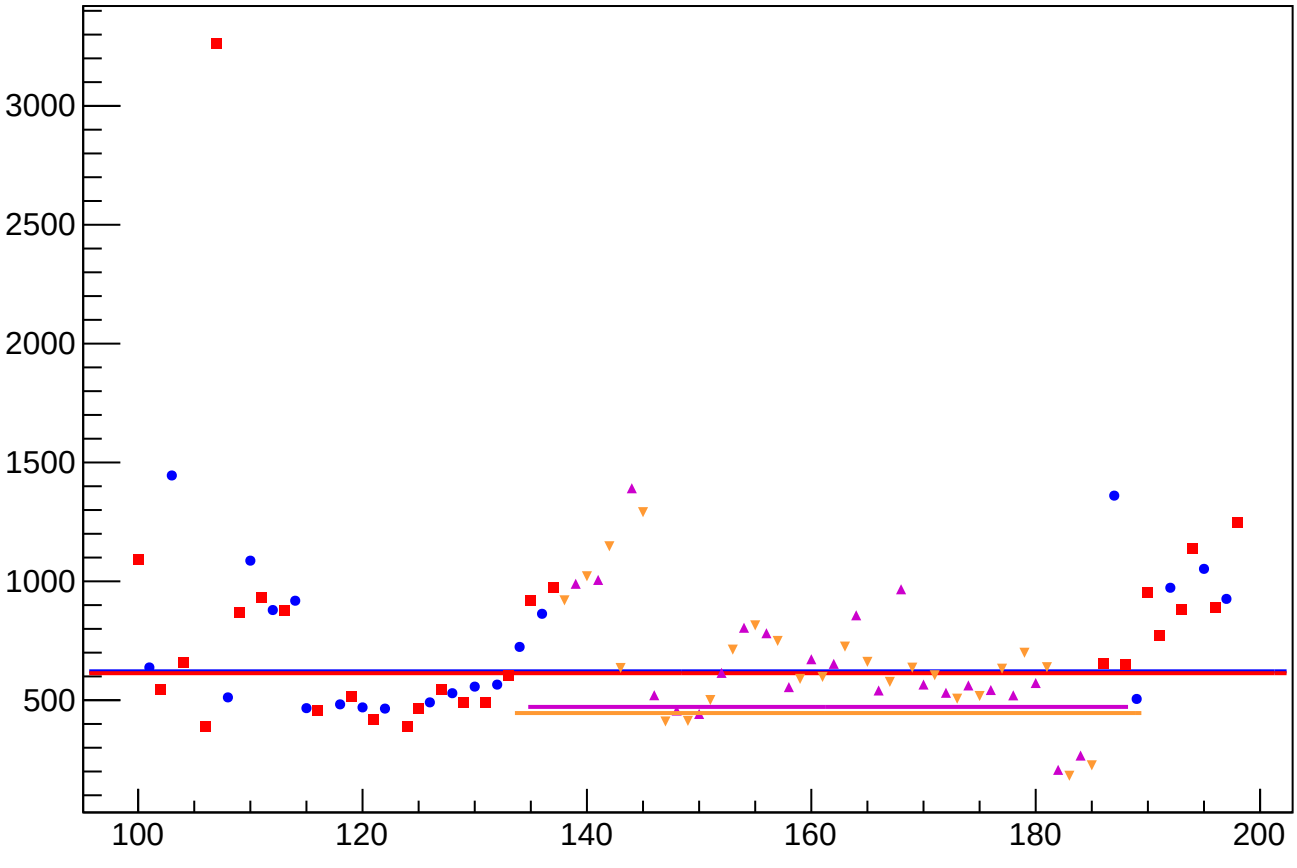
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -191.173+/-141.463 χ^2/NDF: 59.6/47

In: -63.326+/-105.593 χ^2/NDF:35.6/43

Out: -190.351+/-99.042 χ^2/NDF:72.2/51

All: -130.901+/-72.238 χ^2/NDF: 108.5/95



Right In: 621.386+/-0.147 χ^2/NDF: 1884448.9/20

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 613.543+/-0.137 χ^2/NDF: 2682587.4/26

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

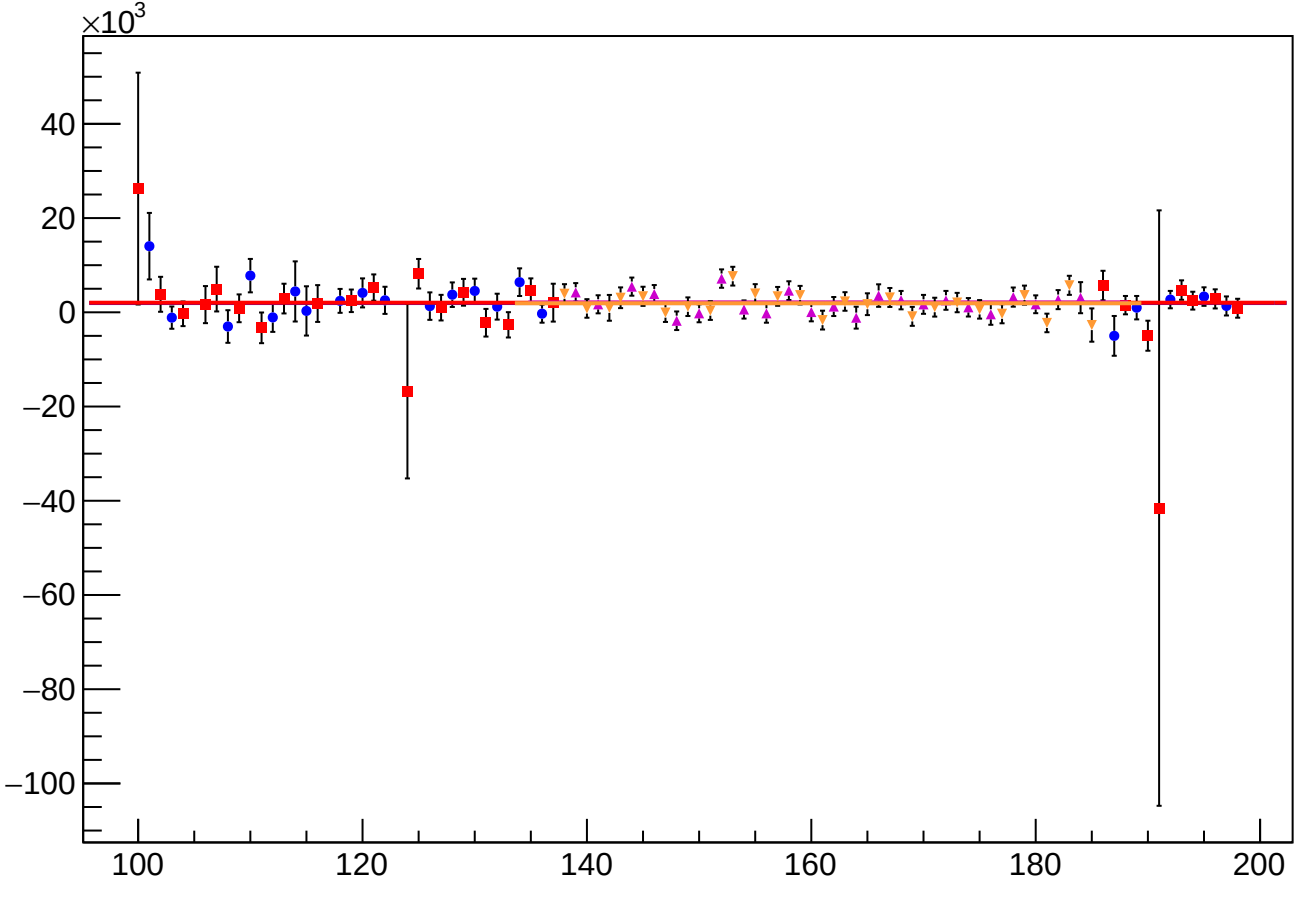
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 617.193+/-0.100 χ^2/NDF: 4568565.8/47

In: 510.560+/-0.075 χ^2/NDF:9069510.1/43

Out: 489.802+/-0.070 χ^2/NDF:11774911.6/51

All: 499.517+/-0.051 χ^2/NDF: 20885540.0/95



Right In: 1967.183+/-591.271 χ^2/NDF: 20.1/20

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2032.727+/-549.870 χ^2/NDF: 27.4/26

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

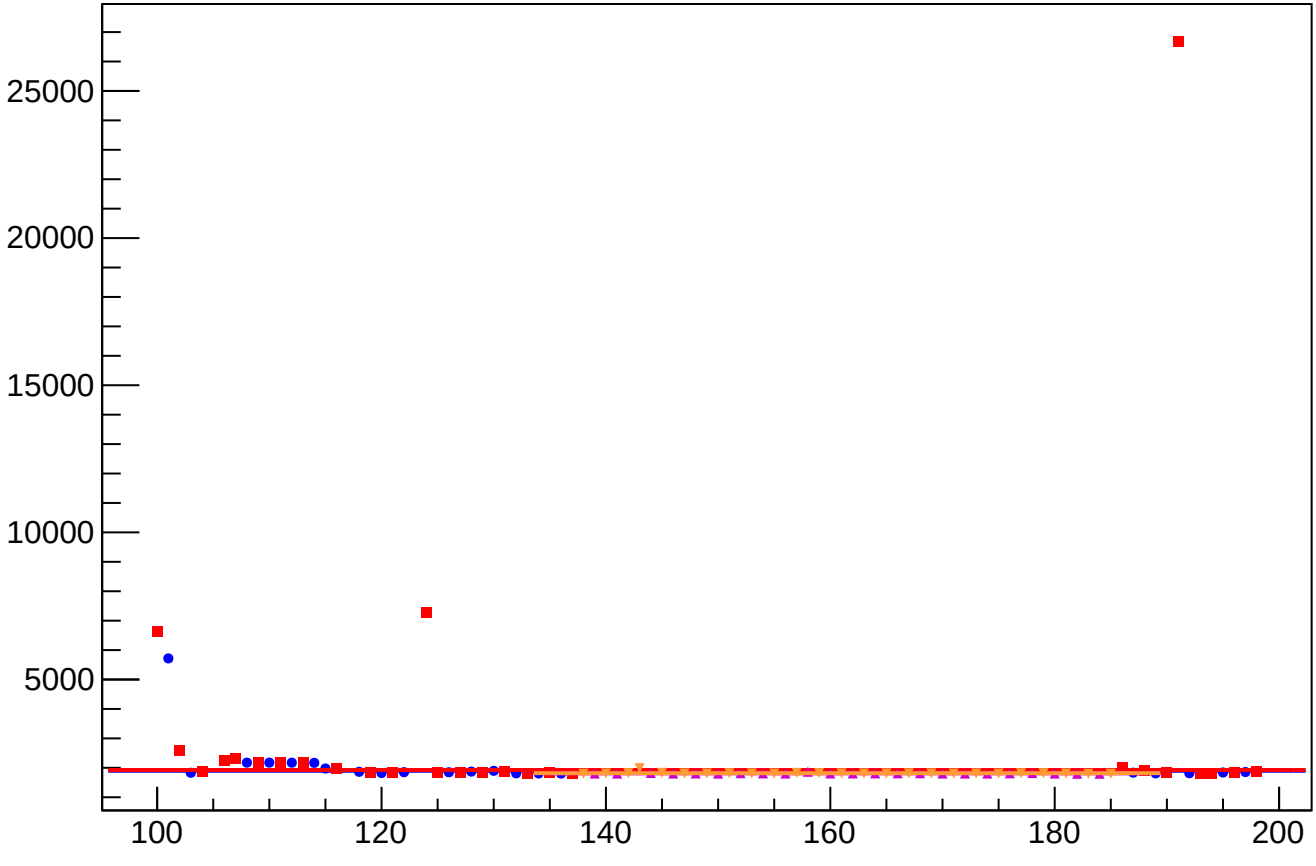
Right: 2002.330+/-402.659 χ^2/NDF: 47.5/47

In: 2038.018+/-344.136 χ^2/NDF:46.6/43

Out: 1961.022+/-330.184 χ^2/NDF:60.0/51

All: 1997.927+/-238.255 χ^2/NDF: 106.6/95

eigen_cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1900.223+/-0.418 χ^2/NDF: 652959.2/20

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1924.325+/-0.389 χ^2/NDF: 721190.0/26

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

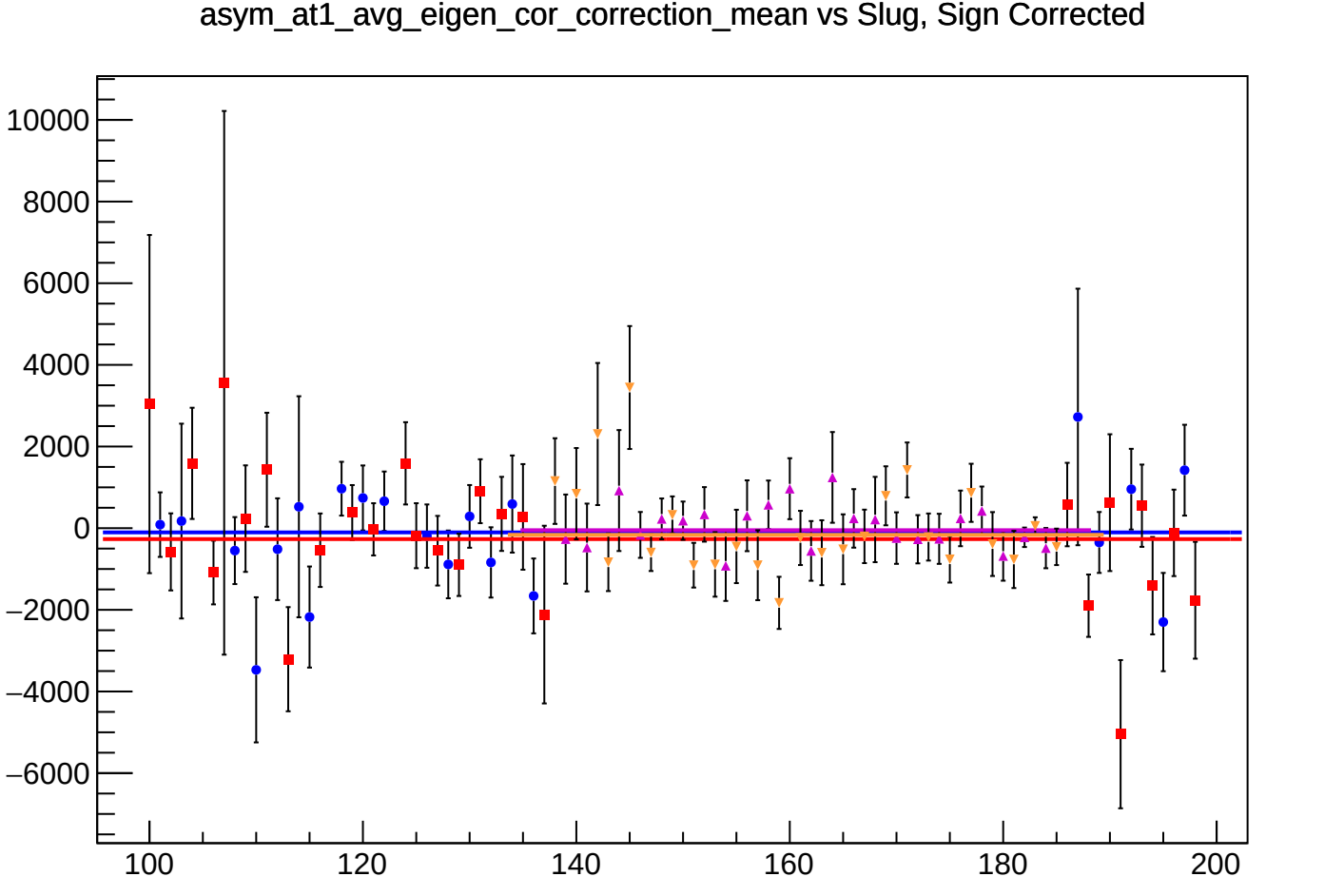
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1913.147+/-0.285 χ^2/NDF: 1375931.3/47

In: 1842.246+/-0.243 χ^2/NDF:684052.6/43

Out: 1856.034+/-0.233 χ^2/NDF:782390.0/51

All: 1849.425+/-0.168 χ^2/NDF: 1468114.1/95


asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: -103.360+/-207.352 χ²/NDF: 24.2/20
Left Out: -162.911+/-115.291 χ²/NDF:36.9/24
Right Out: -267.634+/-193.485 χ²/NDF: 35.1/26
Left In: -49.310+/-122.694 χ²/NDF:11.3/22
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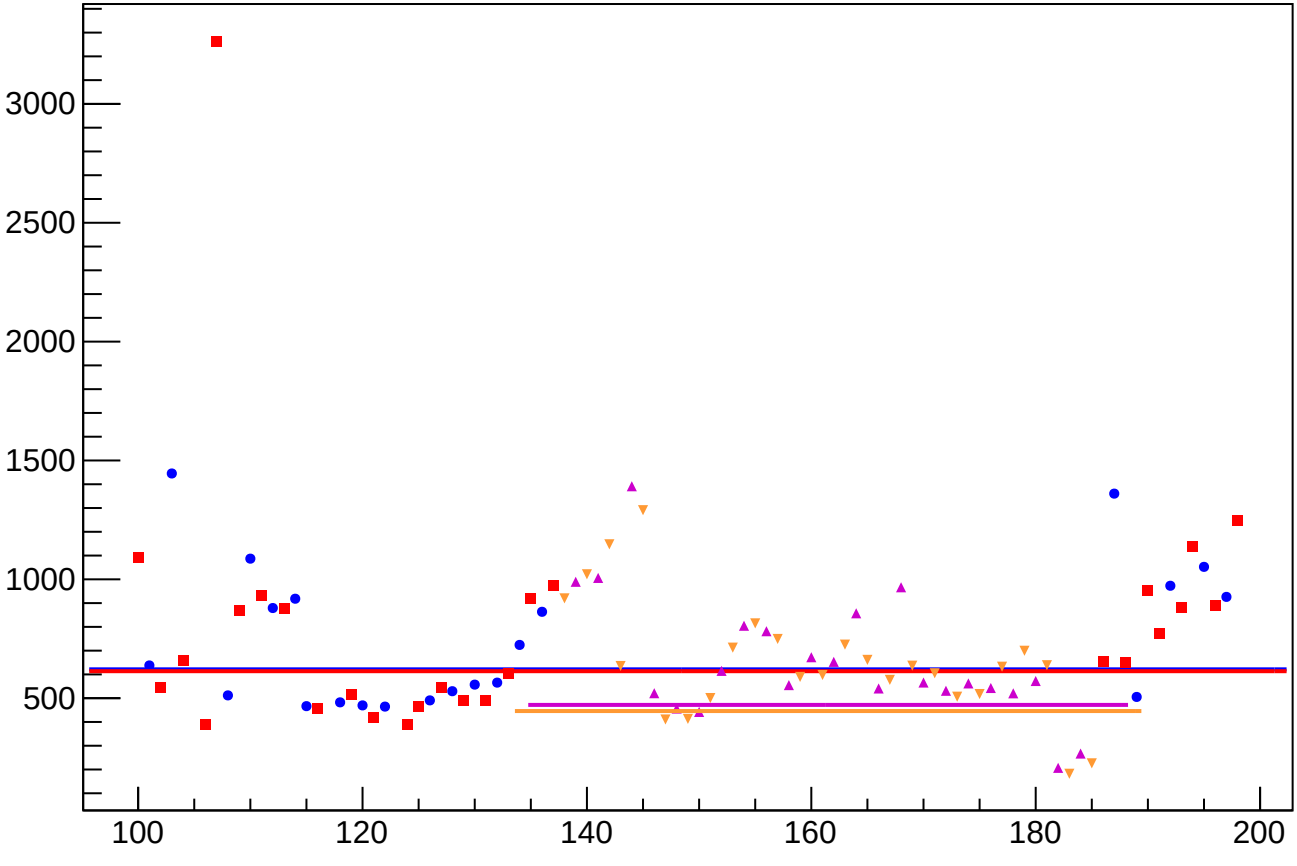
Right: -191.173+/-141.463 χ²/NDF: 59.6/47
In: -63.326+/-105.593 χ²/NDF:35.6/43
Out: -190.351+/-99.042 χ²/NDF:72.2/51
All: -130.901+/-72.238 χ²/NDF: 108.5/95

asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 621.386+/-0.147 χ^2/NDF: 1884448.9/20

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 613.543+/-0.137 χ^2/NDF: 2682587.4/26

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

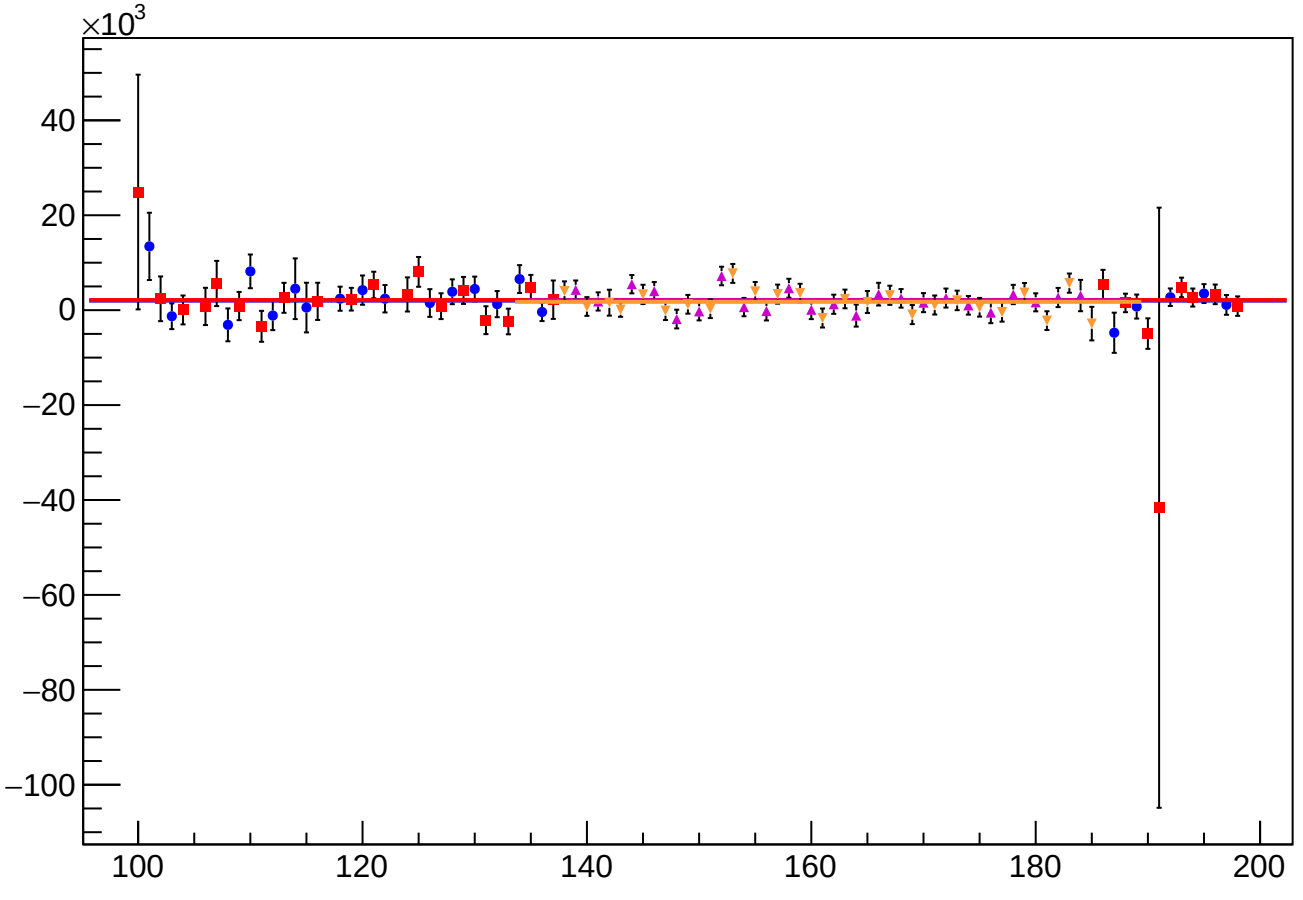
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 617.193+/-0.100 χ^2/NDF: 4568565.8/47

In: 510.560+/-0.075 χ^2/NDF:9069510.1/43

Out: 489.802+/-0.070 χ^2/NDF:11774911.6/51

All: 499.517+/-0.051 χ^2/NDF: 20885540.0/95



Right In: 2017.661+/-599.320 χ^2/NDF: 20.2/20

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2125.019+/-551.850 χ^2/NDF: 25.7/26

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

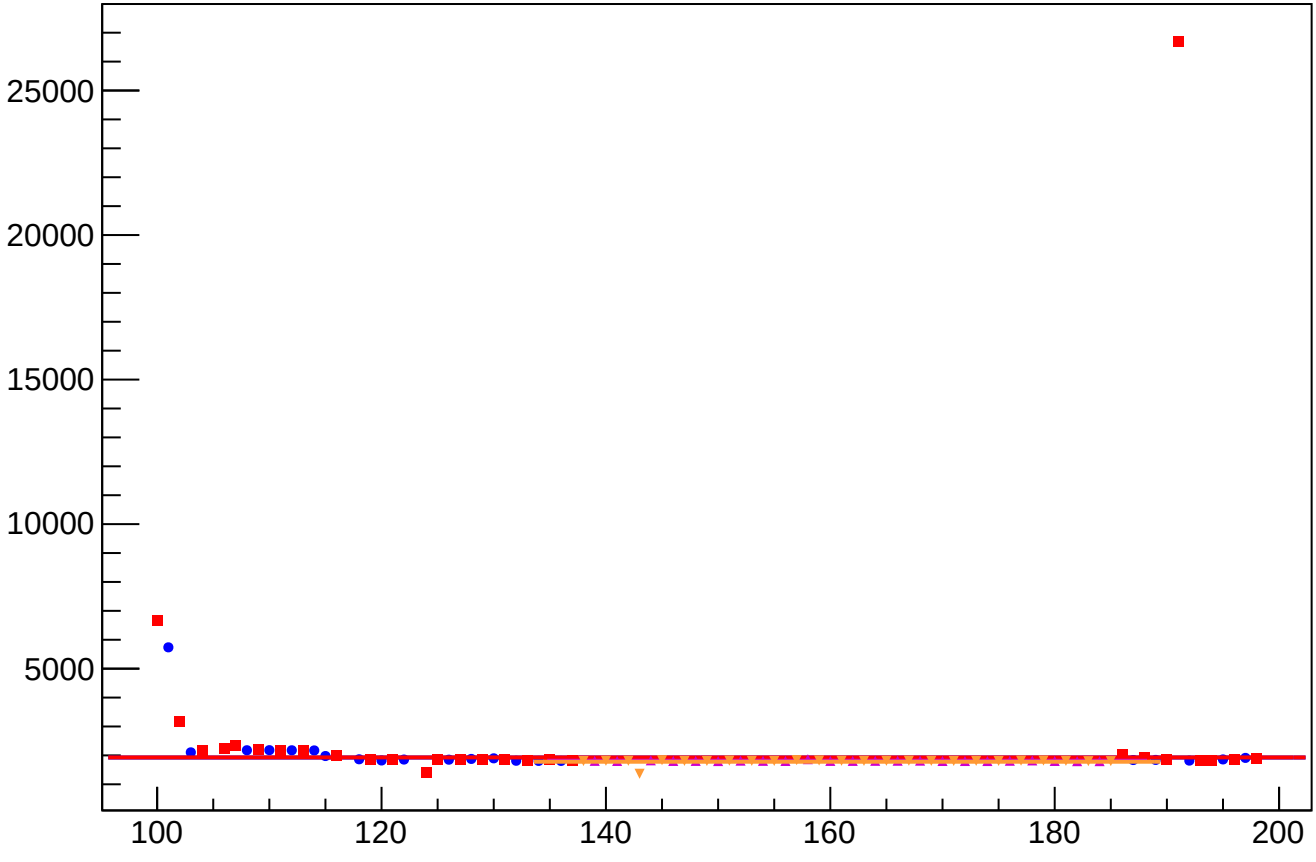
Right: 2075.759+/-405.963 χ^2/NDF: 45.9/47

In: 2054.855+/-345.944 χ^2/NDF:47.2/43

Out: 1885.016+/-326.717 χ^2/NDF:59.8/51

All: 1965.085+/-237.530 χ^2/NDF: 107.1/95

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1925.549+/-0.424 χ^2/NDF: 657129.5/20

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1929.617+/-0.390 χ^2/NDF: 678731.1/26

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

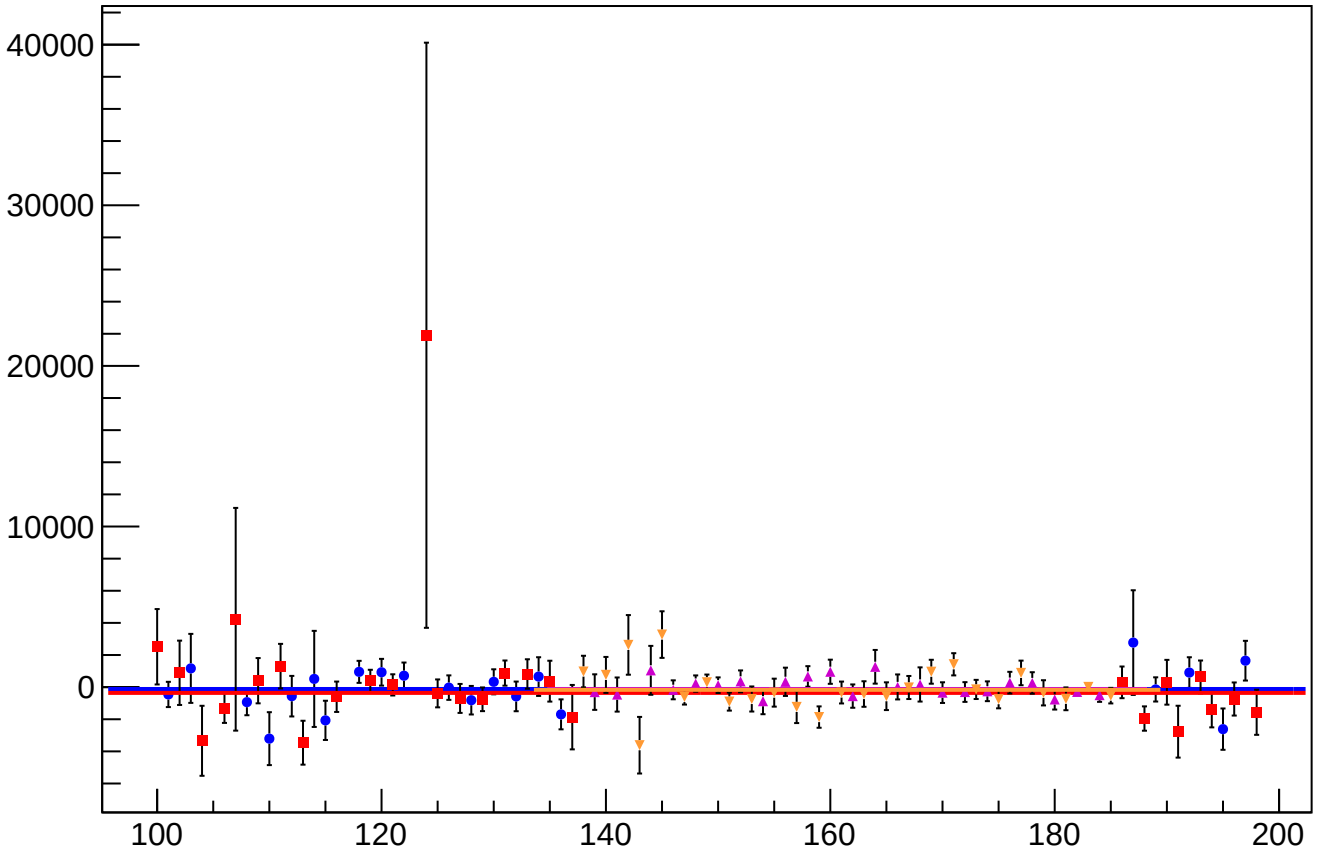
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1927.750+/-0.287 χ^2/NDF: 1335910.5/47

In: 1851.457+/-0.245 χ^2/NDF:705065.1/43

Out: 1833.035+/-0.231 χ^2/NDF:937988.3/51

All: 1841.720+/-0.168 χ^2/NDF: 1646050.9/95



Right In: -115.371+/-213.064 χ^2/NDF: 25.0/20

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: -358.496+/-204.757 χ^2/NDF: 30.9/26

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

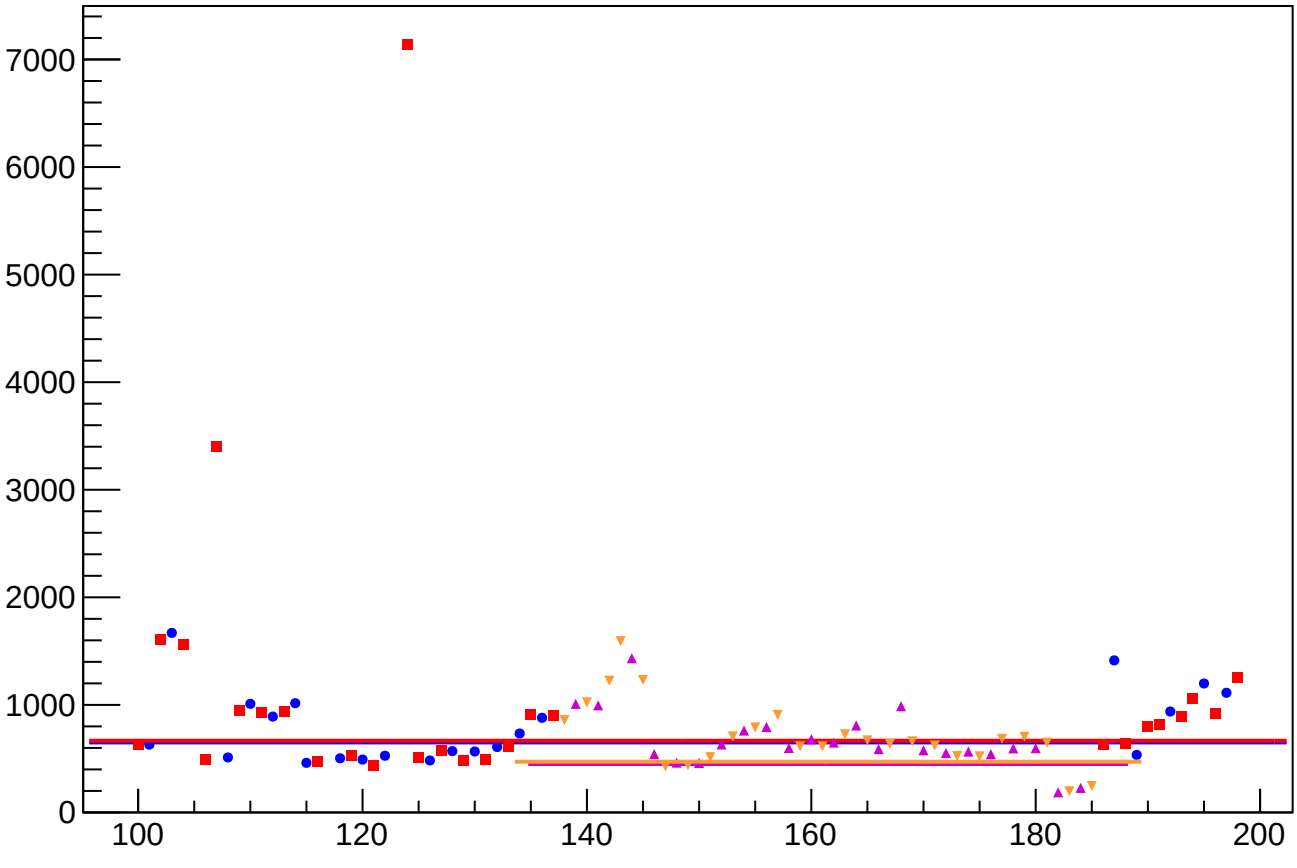
Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

Right: -241.765+/-147.634 χ^2/NDF: 56.6/47

In: -116.769+/-104.406 χ^2/NDF:37.3/43

Out: -217.618+/-104.571 χ^2/NDF:69.9/51

All: -167.114+/-73.884 χ^2/NDF: 107.7/95



Right In: 651.209+/-0.151 χ^2/NDF: 2215634.1/20

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 666.697+/-0.145 χ^2/NDF: 3338855.1/26

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

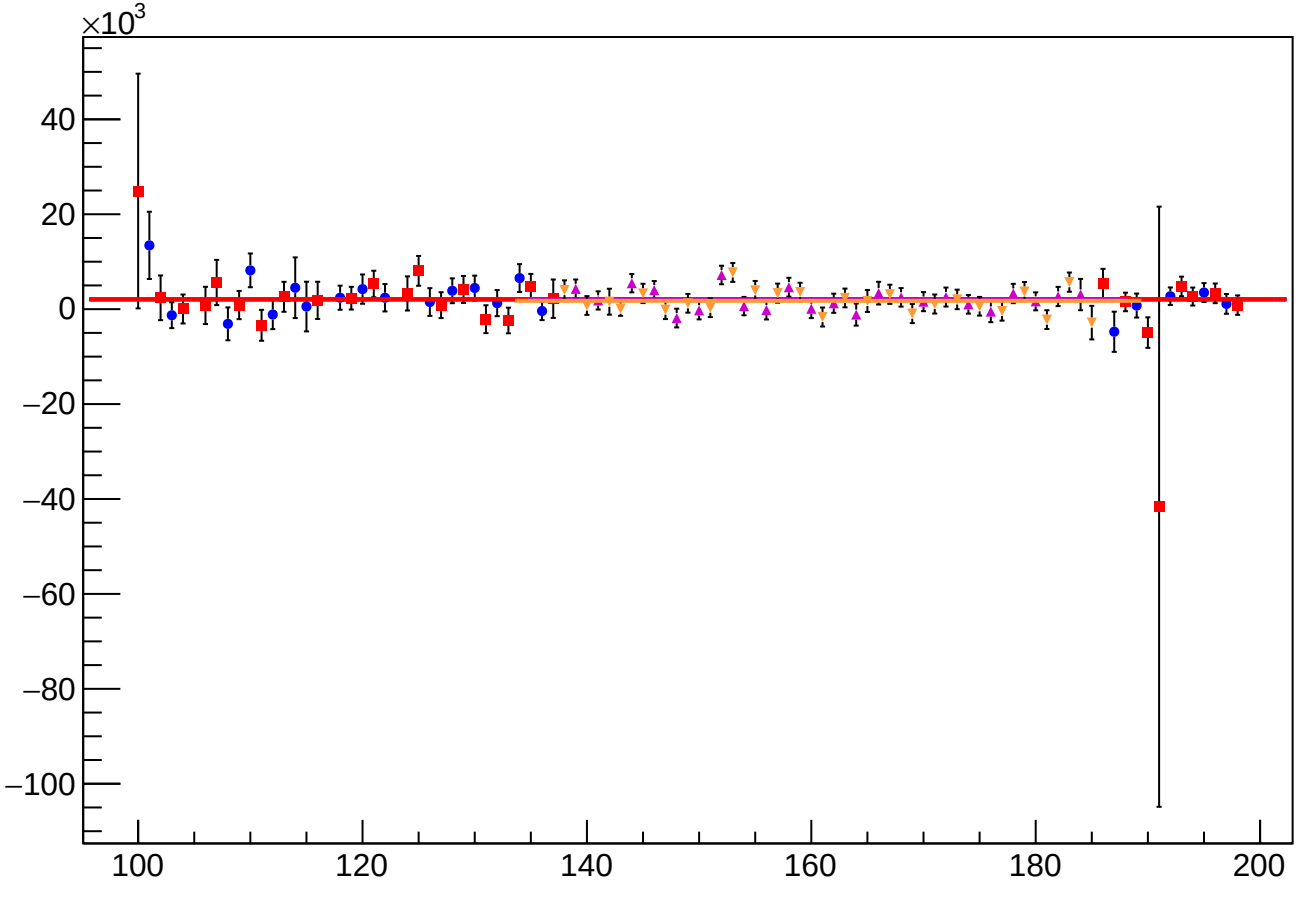
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 659.261+/-0.104 χ^2/NDF: 5559983.0/47

In: 498.810+/-0.074 χ^2/NDF:11490543.8/43

Out: 522.616+/-0.074 χ^2/NDF:12791247.5/51

All: 510.694+/-0.052 χ^2/NDF: 24333699.7/95



Right In: 2017.659+/-599.320 χ^2/NDF: 20.2/20

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2125.016+/-551.850 χ^2/NDF: 25.7/26

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

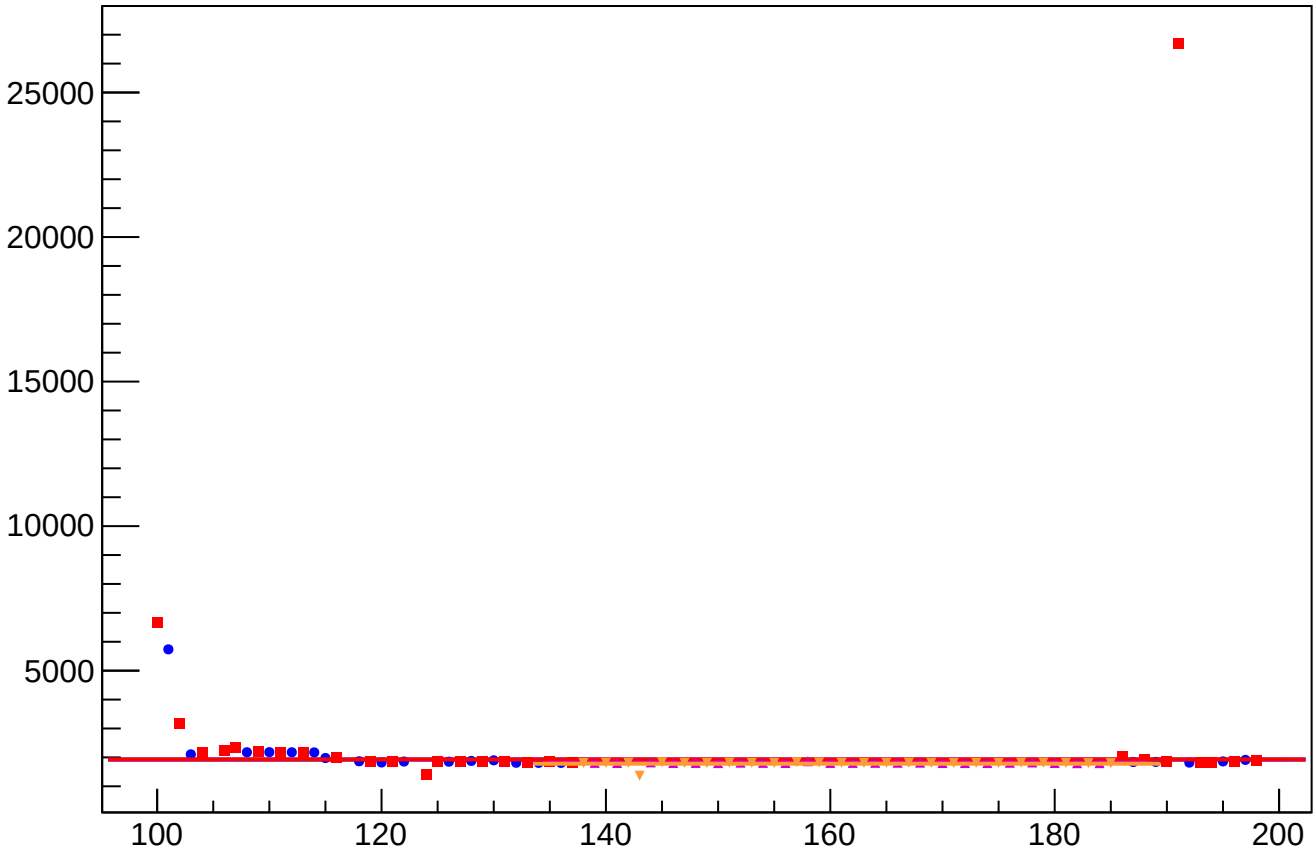
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

Right: 2075.757+/-405.963 χ^2/NDF: 45.9/47

In: 2054.855+/-345.944 χ^2/NDF:47.2/43

Out: 1885.015+/-326.717 χ^2/NDF:59.8/51

All: 1965.084+/-237.530 χ^2/NDF: 107.1/95



Right In: 1925.548+/-0.424 χ^2/NDF: 657129.1/20

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1929.617+/-0.390 χ^2/NDF: 678729.8/26

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

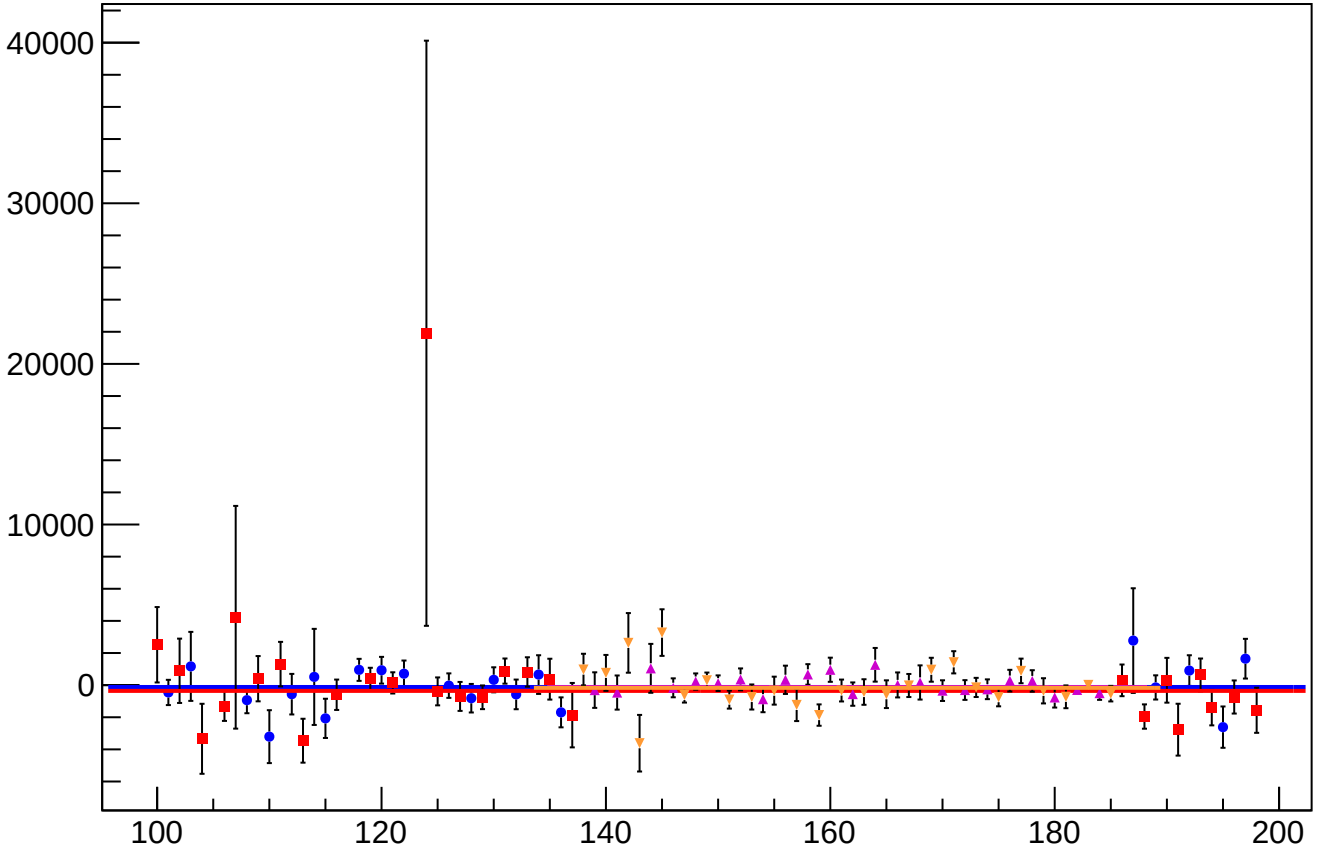
Right: 1927.750+/-0.287 χ^2/NDF: 1335908.8/47

In: 1851.457+/-0.245 χ^2/NDF:705064.7/43

Out: 1833.035+/-0.231 χ^2/NDF:937986.7/51

All: 1841.720+/-0.168 χ^2/NDF: 1646048.8/95

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -115.371+/-213.064 χ^2/NDF: 25.0/20

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: -358.495+/-204.757 χ^2/NDF: 30.9/26

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

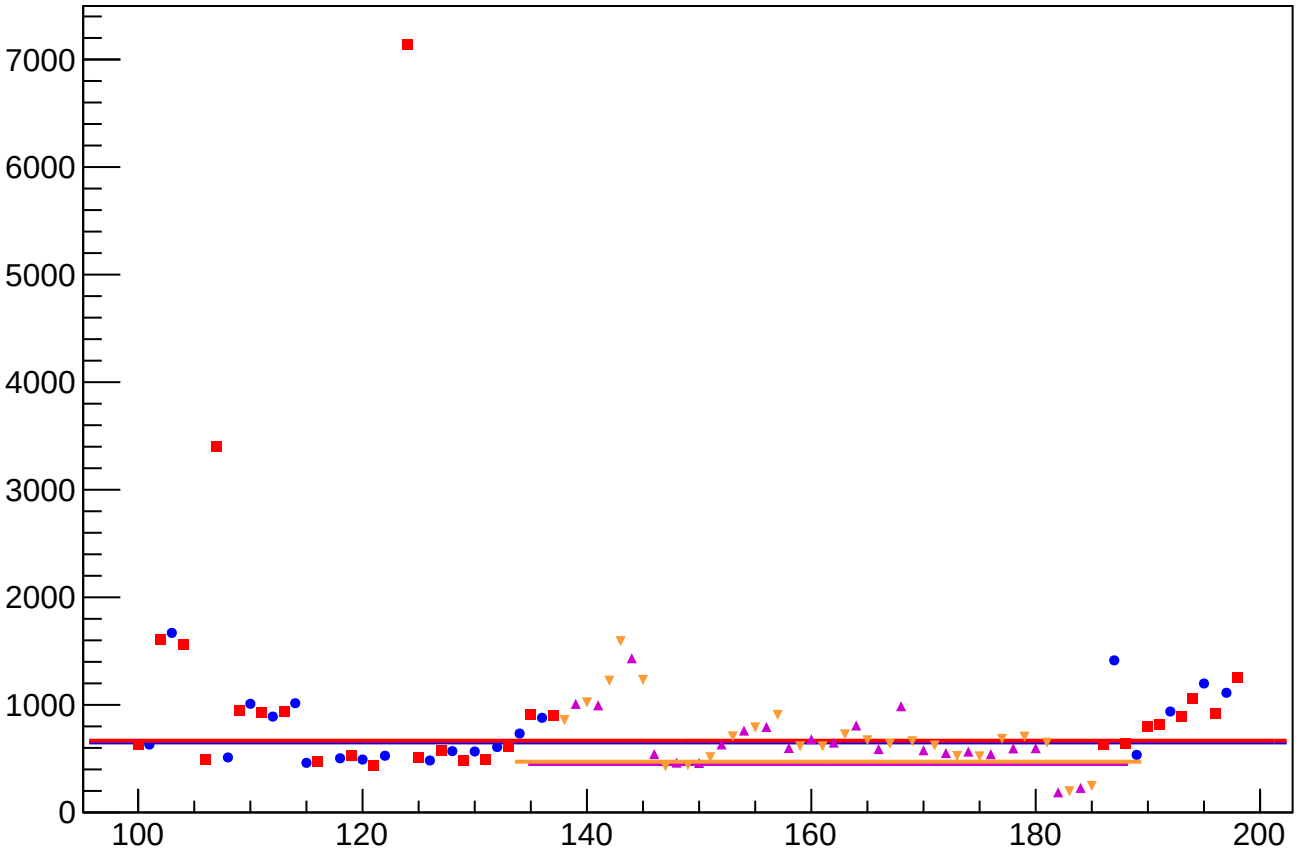
Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

Right: -241.765+/-147.634 χ^2/NDF: 56.6/47

In: -116.769+/-104.406 χ^2/NDF:37.3/43

Out: -217.618+/-104.571 χ^2/NDF:69.9/51

All: -167.115+/-73.884 χ^2/NDF: 107.7/95



Right In: 651.209+/-0.151 χ^2/NDF: 2215647.5/20

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 666.696+/-0.145 χ^2/NDF: 3338871.5/26

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

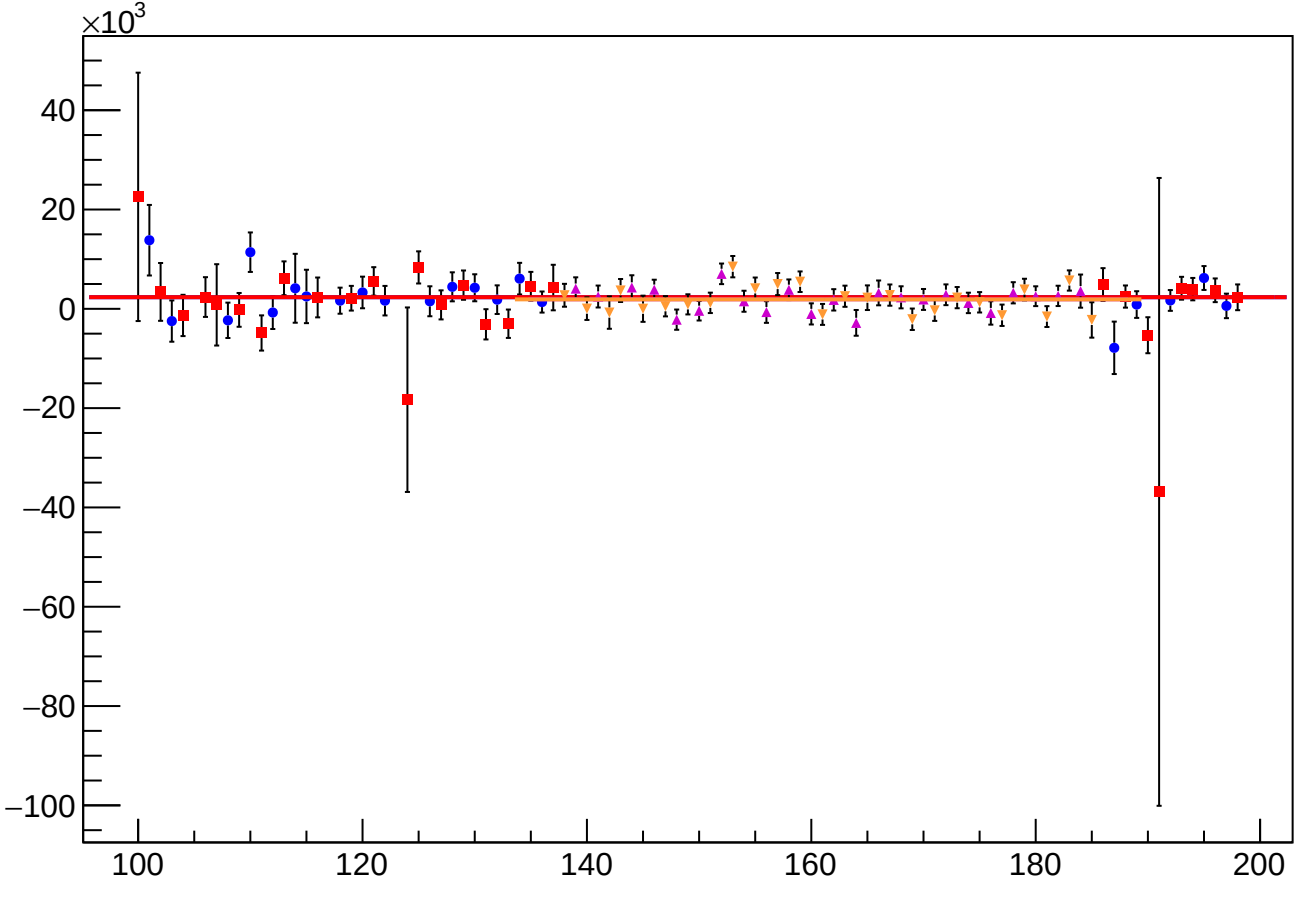
Right: 659.260+/-0.104 χ^2/NDF: 5560012.9/47

In: 498.811+/-0.074 χ^2/NDF:11490519.6/43

Out: 522.617+/-0.074 χ^2/NDF:12791245.3/51

All: 510.695+/-0.052 χ^2/NDF: 24333672.3/95

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2339.605+/-664.418 χ^2/NDF: 21.9/20

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: 2345.094+/-623.786 χ^2/NDF: 28.7/26

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

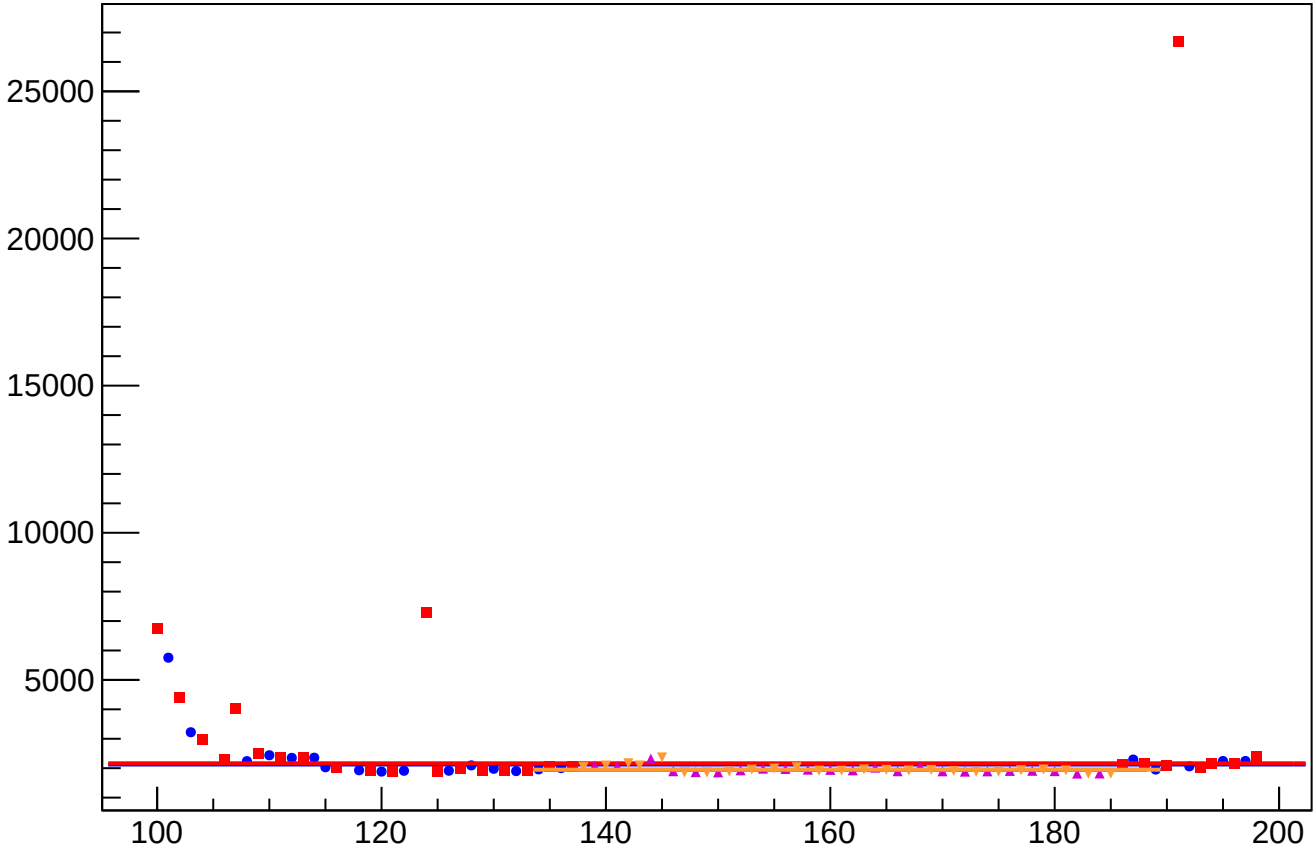
Right: 2342.523+/-454.770 χ^2/NDF: 50.6/47

In: 2058.383+/-375.342 χ^2/NDF:46.9/43

Out: 2054.352+/-361.467 χ^2/NDF:65.3/51

All: 2056.292+/-260.363 χ^2/NDF: 112.2/95

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2125.831+/-0.470 χ^2/NDF: 781493.8/20

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

Right Out: 2166.051+/-0.441 χ^2/NDF: 1151865.3/26

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

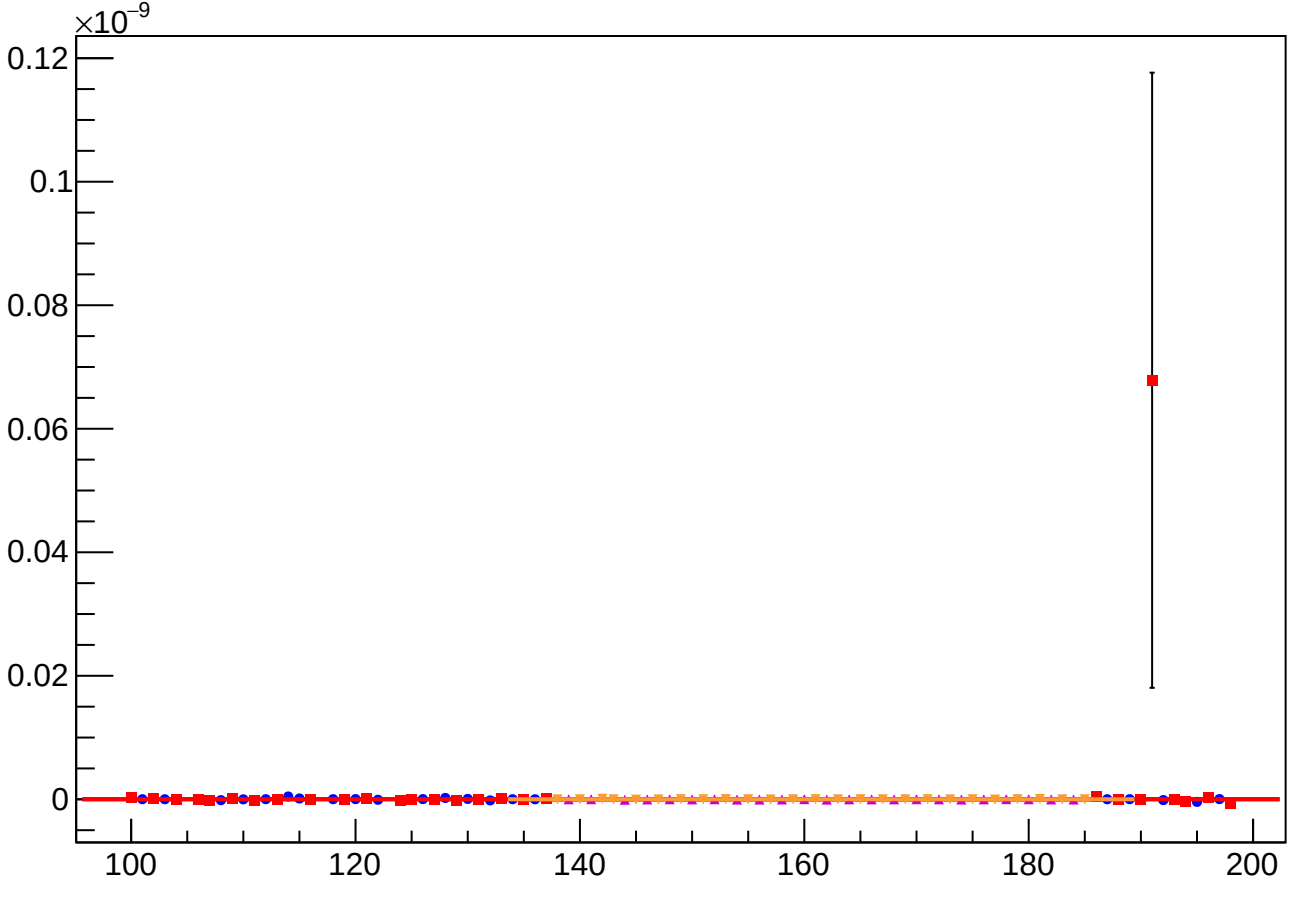
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2147.208+/-0.322 χ^2/NDF: 1937254.6/47

In: 2002.799+/-0.265 χ^2/NDF:978169.2/43

Out: 2021.885+/-0.256 χ^2/NDF:1421225.9/51

All: 2012.701+/-0.184 χ^2/NDF: 2402078.0/95



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.0/26

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

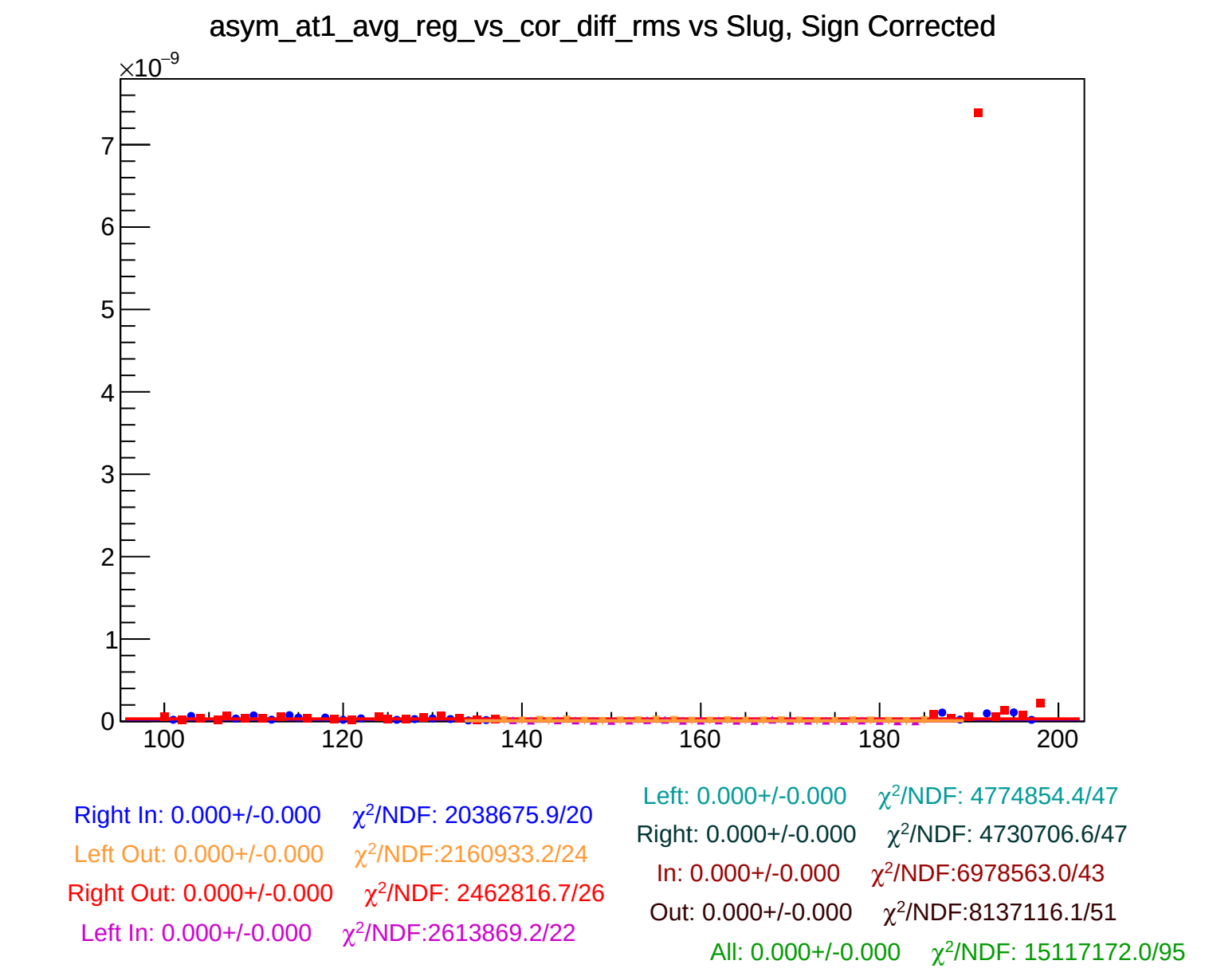
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 51.6/47

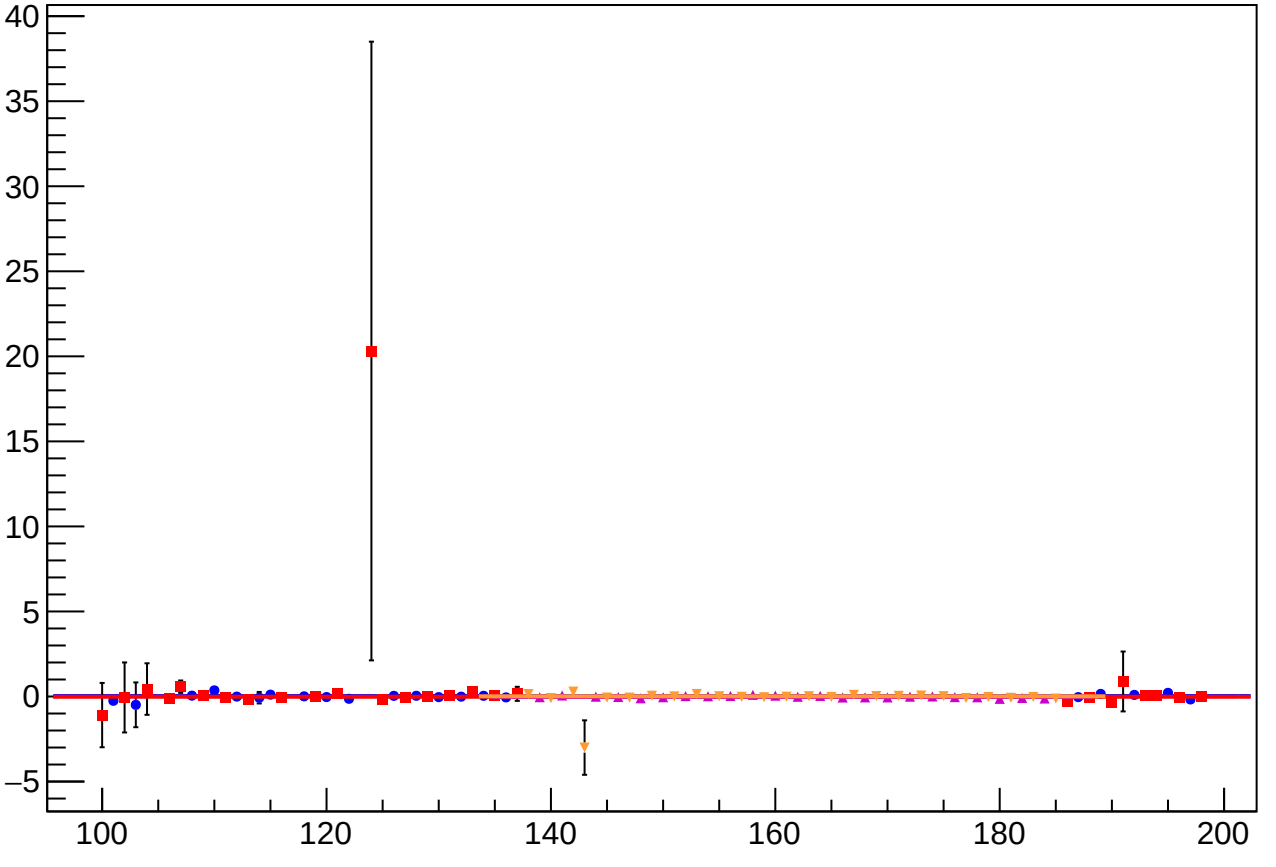
In: -0.000+/-0.000 χ^2/NDF:54.8/43

Out: 0.000+/-0.000 χ^2/NDF:58.2/51

All: -0.000+/-0.000 χ^2/NDF: 113.6/95


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
7
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2038675.9/20
Left Out: 0.000+/-0.000 χ²/NDF:2160933.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 2462816.7/26
Left In: 0.000+/-0.000 χ²/NDF:2613869.2/22
Left: 0.000+/-0.000 χ²/NDF: 4774854.4/47
Right: 0.000+/-0.000 χ²/NDF: 4730706.6/47
In: 0.000+/-0.000 χ²/NDF:6978563.0/43
Out: 0.000+/-0.000 χ²/NDF:8137116.1/51
All: 0.000+/-0.000 χ²/NDF: 15117172.0/95

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.024+/-0.024 χ^2/NDF: 17.1/20

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.013+/-0.022 χ^2/NDF: 23.9/26

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

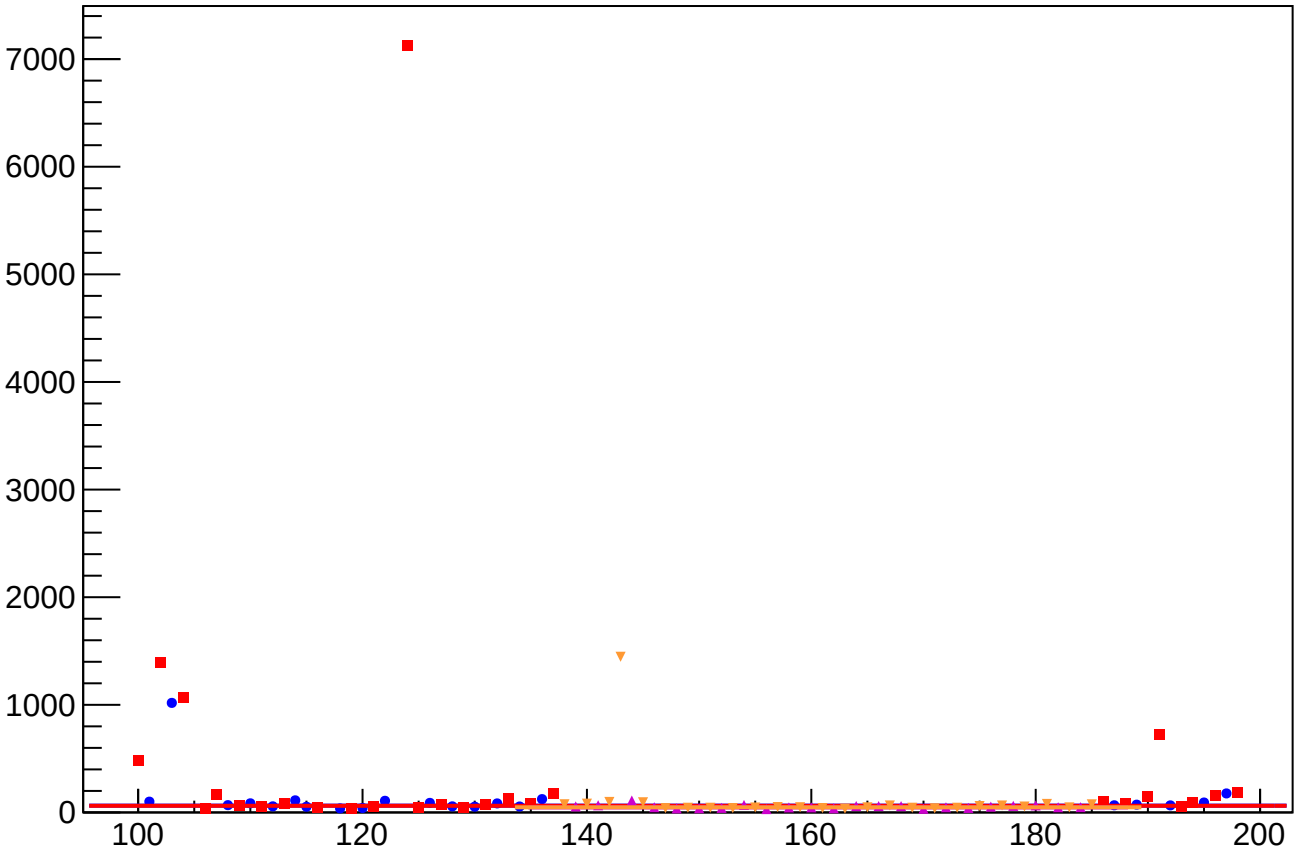
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: 0.005+/-0.016 χ^2/NDF: 42.3/47

In: -0.009+/-0.011 χ^2/NDF:39.9/43

Out: 0.006+/-0.011 χ^2/NDF:54.4/51

All: -0.002+/-0.008 χ^2/NDF: 95.3/95



Right In: 63.483+/-0.017 χ^2/NDF: 3175717.5/20

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 61.895+/-0.016 χ^2/NDF: 5488184.8/26

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

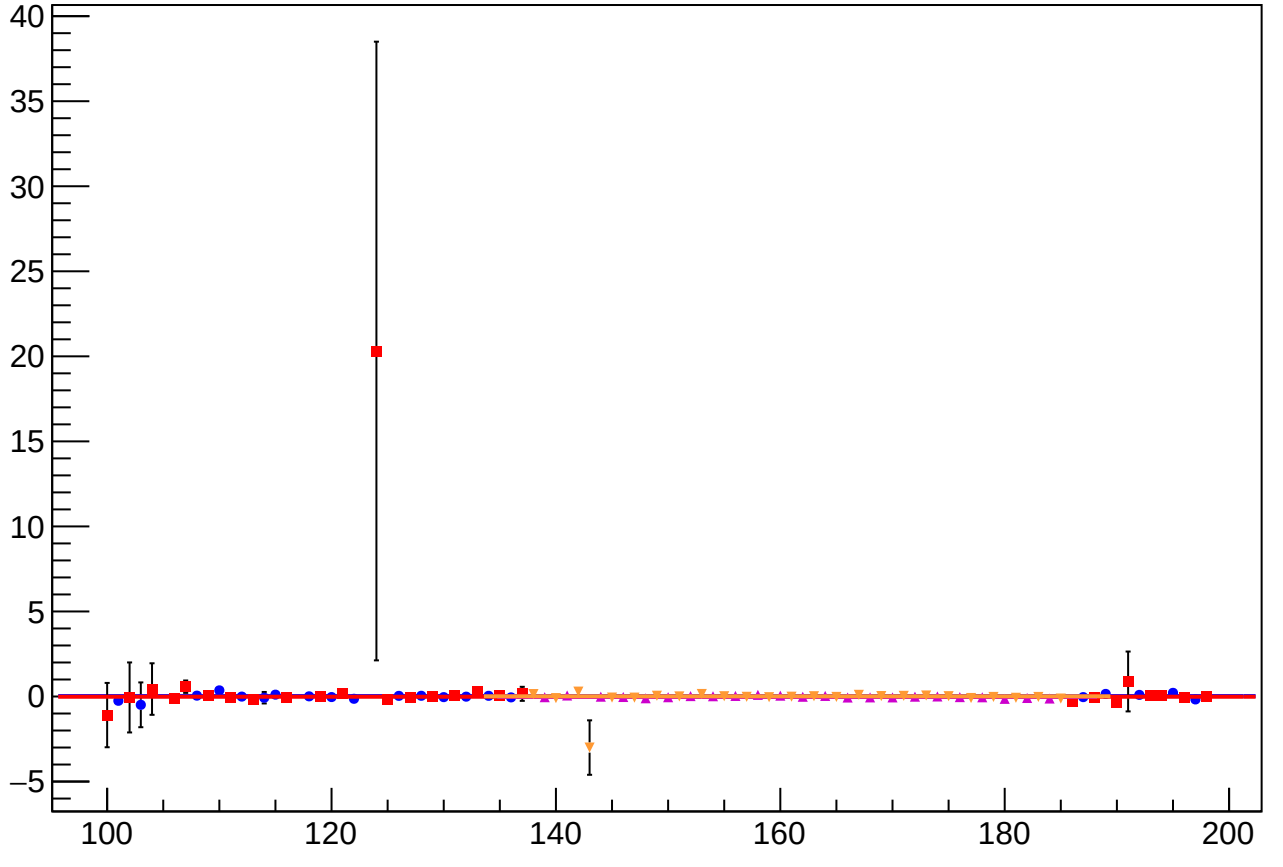
Right: 62.641+/-0.012 χ^2/NDF: 8668642.9/47

In: 50.296+/-0.008 χ^2/NDF:5905718.6/43

Out: 51.210+/-0.008 χ^2/NDF:9582914.9/51

All: 50.753+/-0.005 χ^2/NDF: 15495688.5/95

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.024+/-0.024 χ^2/NDF: 17.1/20

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.013+/-0.022 χ^2/NDF: 23.9/26

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

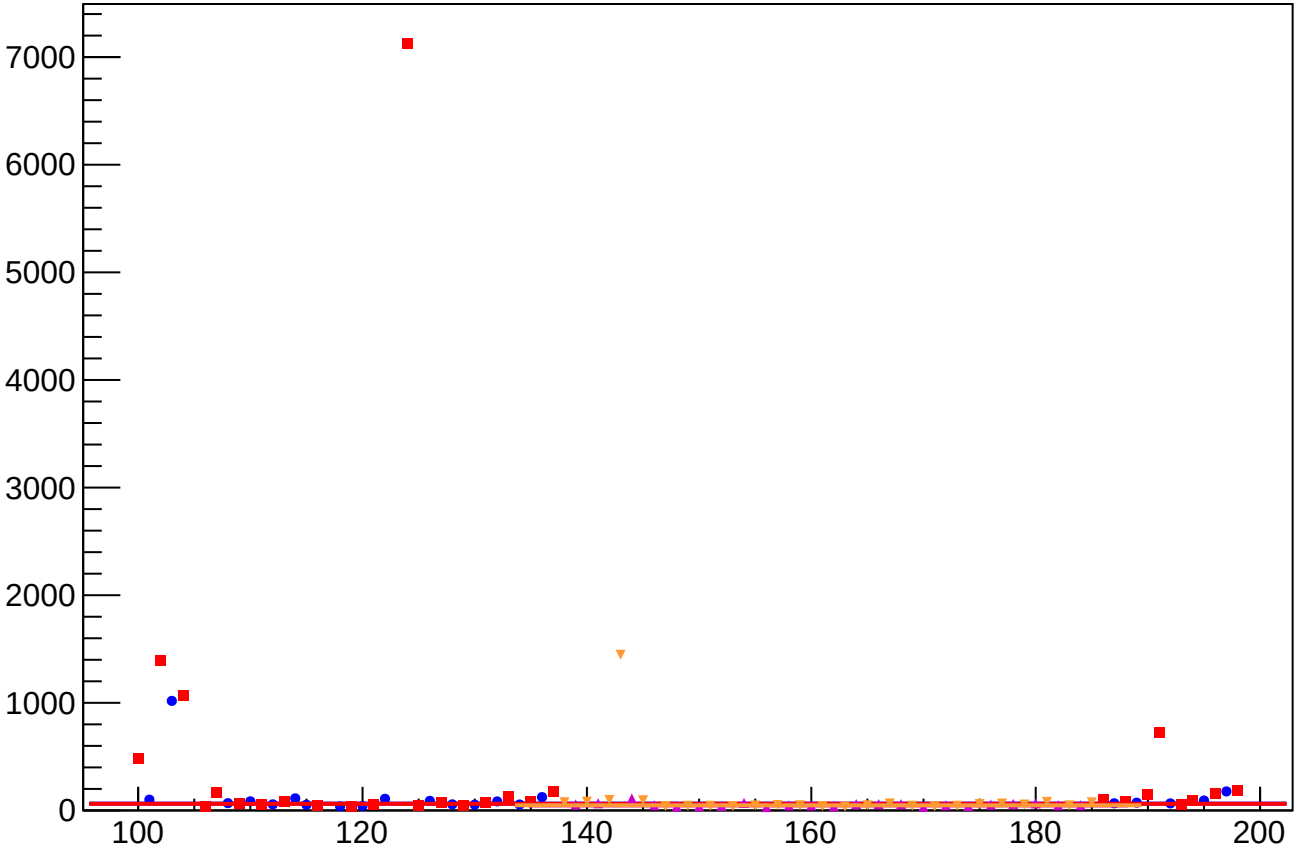
Right: 0.005+/-0.016 χ^2/NDF: 42.3/47

In: -0.009+/-0.011 χ^2/NDF:39.9/43

Out: 0.006+/-0.011 χ^2/NDF:54.4/51

All: -0.002+/-0.008 χ^2/NDF: 95.3/95

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.483+/-0.017 χ^2/NDF: 3175717.5/20

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 61.895+/-0.016 χ^2/NDF: 5488184.8/26

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

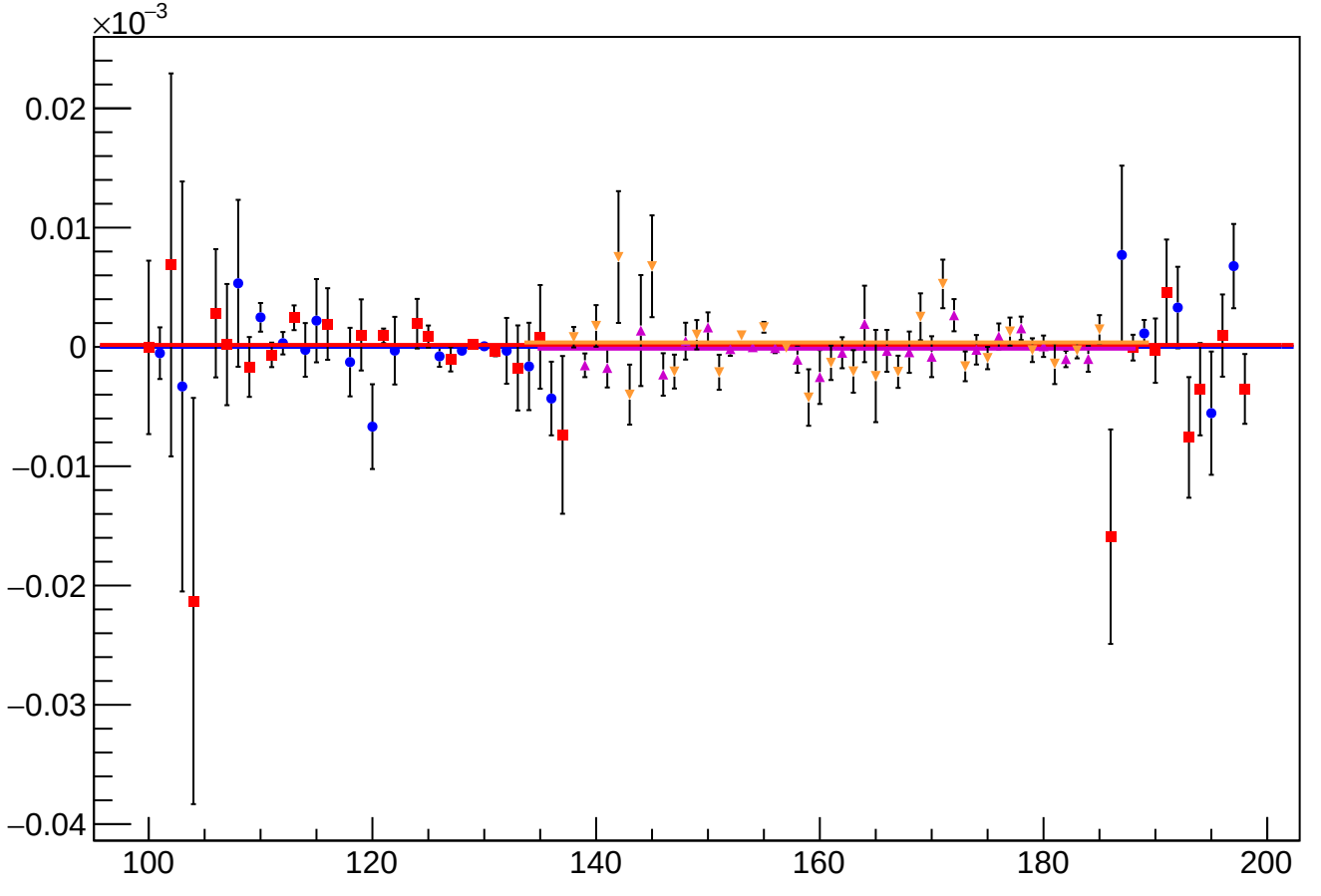
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 62.641+/-0.012 χ^2/NDF: 8668642.9/47

In: 50.296+/-0.008 χ^2/NDF:5905718.6/43

Out: 51.210+/-0.008 χ^2/NDF:9582914.9/51

All: 50.753+/-0.005 χ^2/NDF: 15495688.5/95



Right In: 0.000+/-0.000 χ^2/NDF: 20.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/26

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

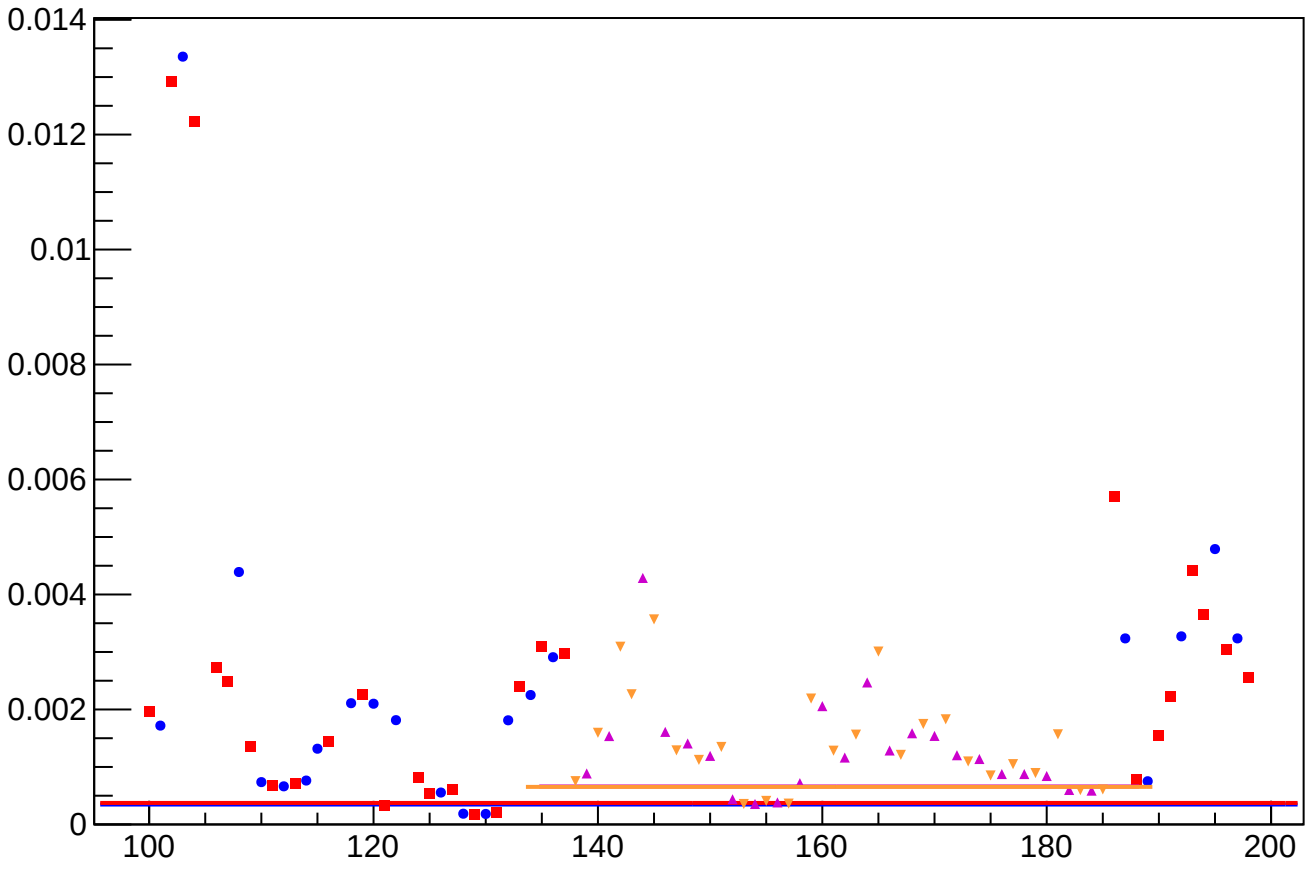
Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

Right: 0.000+/-0.000 χ^2/NDF: 45.9/47

In: -0.000+/-0.000 χ^2/NDF:40.9/43

Out: 0.000+/-0.000 χ^2/NDF:77.2/51

All: 0.000+/-0.000 χ^2/NDF: 121.5/95



Right In: 0.000+/-0.000 χ^2/NDF: 13673104.6/20

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14927553.4/26

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21780521.8/47

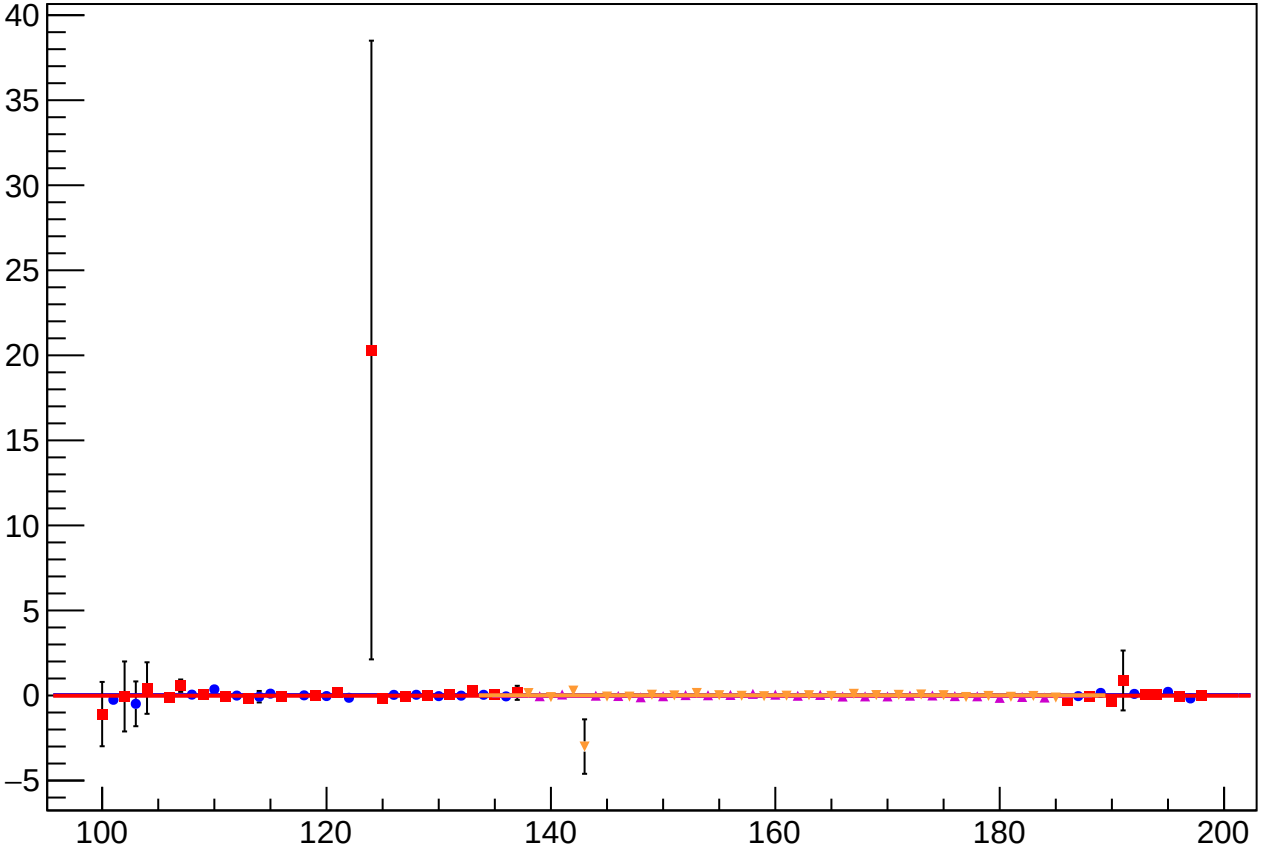
Right: 0.000+/-0.000 χ^2/NDF: 28622123.3/47

In: 0.001+/-0.000 χ^2/NDF:26137641.4/43

Out: 0.001+/-0.000 χ^2/NDF:29288862.1/51

All: 0.001+/-0.000 χ^2/NDF: 55435842.4/95

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.024+/-0.024 χ^2/NDF: 17.1/20

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.013+/-0.022 χ^2/NDF: 23.9/26

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

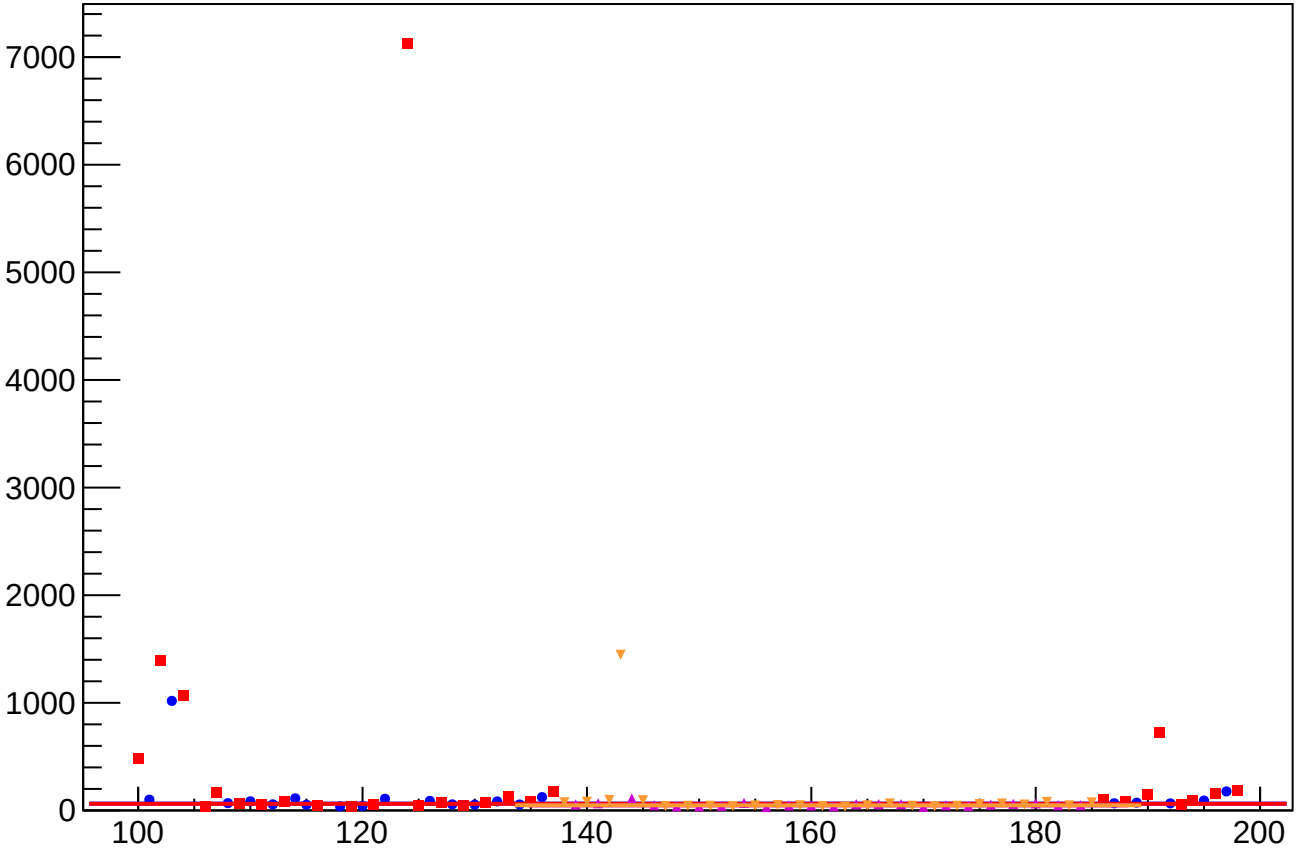
Right: 0.005+/-0.016 χ^2/NDF: 42.3/47

In: -0.009+/-0.011 χ^2/NDF:39.9/43

Out: 0.006+/-0.011 χ^2/NDF:54.4/51

All: -0.002+/-0.008 χ^2/NDF: 95.3/95

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.483+/-0.017 χ^2/NDF: 3175754.4/20

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 61.894+/-0.016 χ^2/NDF: 5488324.4/26

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

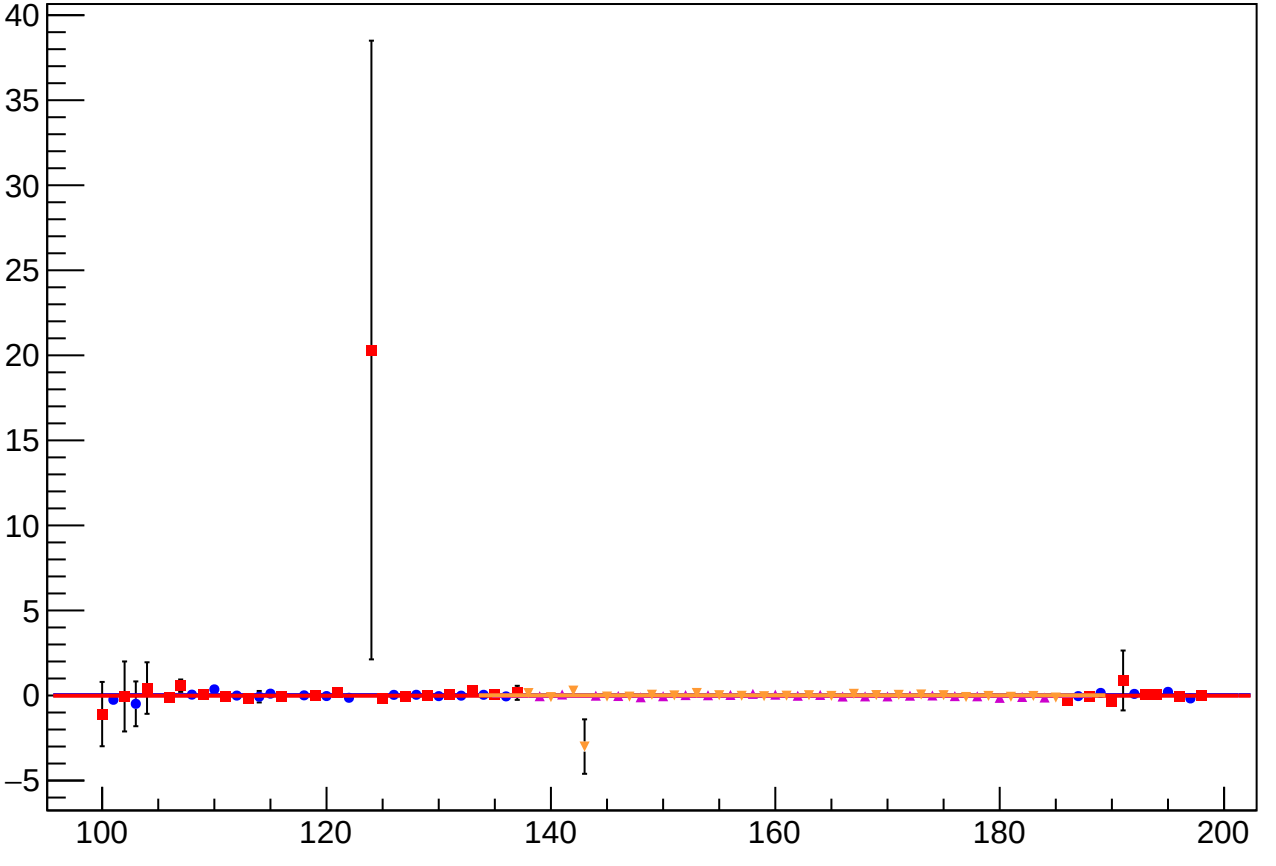
Right: 62.641+/-0.012 χ^2/NDF: 8668825.7/47

In: 50.296+/-0.008 χ^2/NDF:5905747.4/43

Out: 51.210+/-0.008 χ^2/NDF:9582928.2/51

All: 50.753+/-0.005 χ^2/NDF: 15495730.7/95

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.024+/-0.024 χ^2/NDF: 17.1/20

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.013+/-0.022 χ^2/NDF: 23.9/26

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

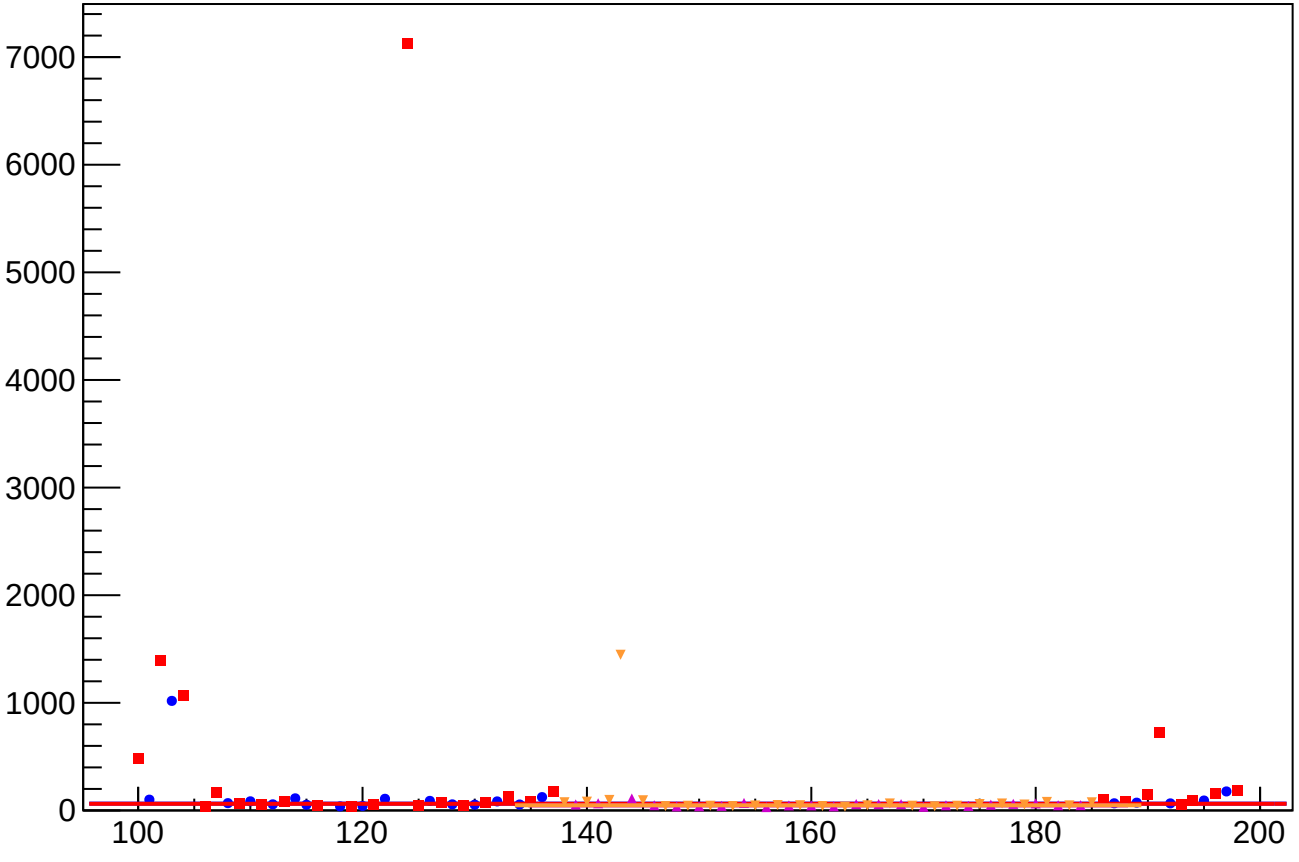
Right: 0.005+/-0.016 χ^2/NDF: 42.3/47

In: -0.009+/-0.011 χ^2/NDF:39.9/43

Out: 0.006+/-0.011 χ^2/NDF:54.4/51

All: -0.002+/-0.008 χ^2/NDF: 95.3/95

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.483+/-0.017 χ^2/NDF: 3175754.4/20

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 61.894+/-0.016 χ^2/NDF: 5488324.4/26

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

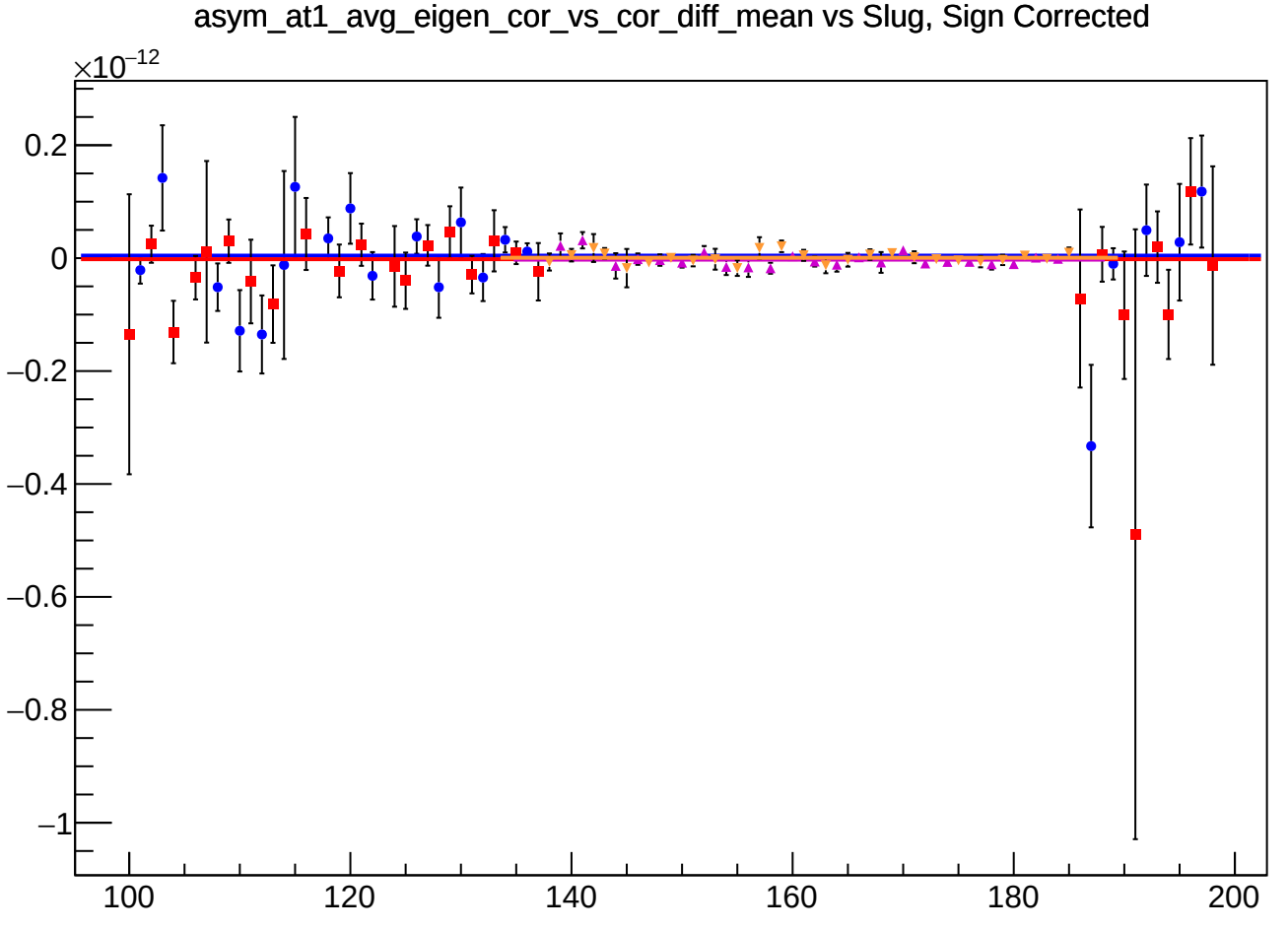
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 62.641+/-0.012 χ^2/NDF: 8668825.7/47

In: 50.296+/-0.008 χ^2/NDF:5905747.4/43

Out: 51.210+/-0.008 χ^2/NDF:9582928.2/51

All: 50.753+/-0.005 χ^2/NDF: 15495730.7/95



Right In: 0.000+/-0.000 χ^2/NDF: 30.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/26

Left In: -0.000+/-0.000 χ^2/NDF:21.8/22

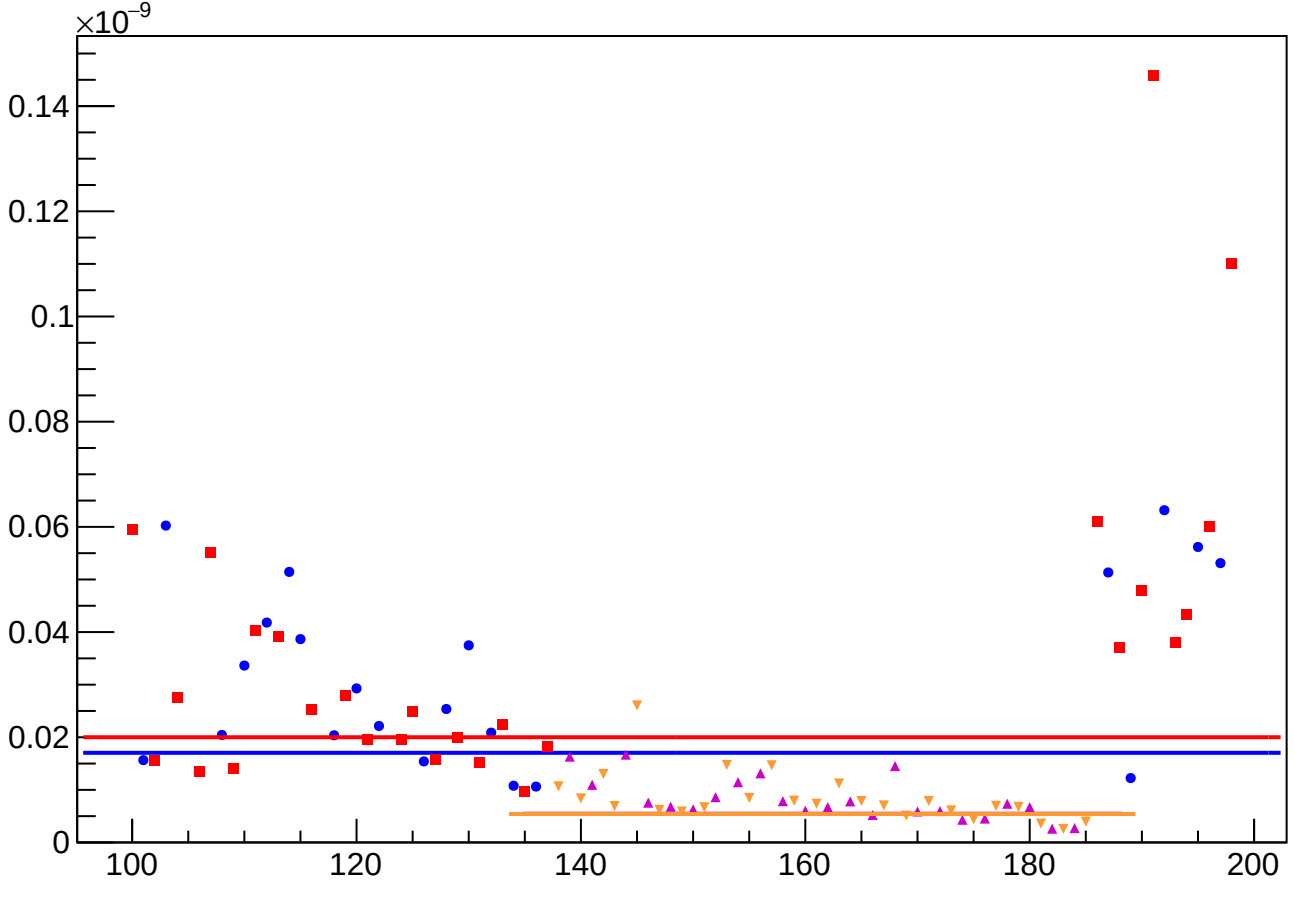
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 49.7/47

In: -0.000+/-0.000 χ^2/NDF:52.6/43

Out: 0.000+/-0.000 χ^2/NDF:34.6/51

All: -0.000+/-0.000 χ^2/NDF: 88.6/95



Right In: 0.000+/-0.000 χ^2/NDF: 3284365.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3172476.7/26

Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

Left: 0.000+/-0.000 χ^2/NDF: 10041467.9/47

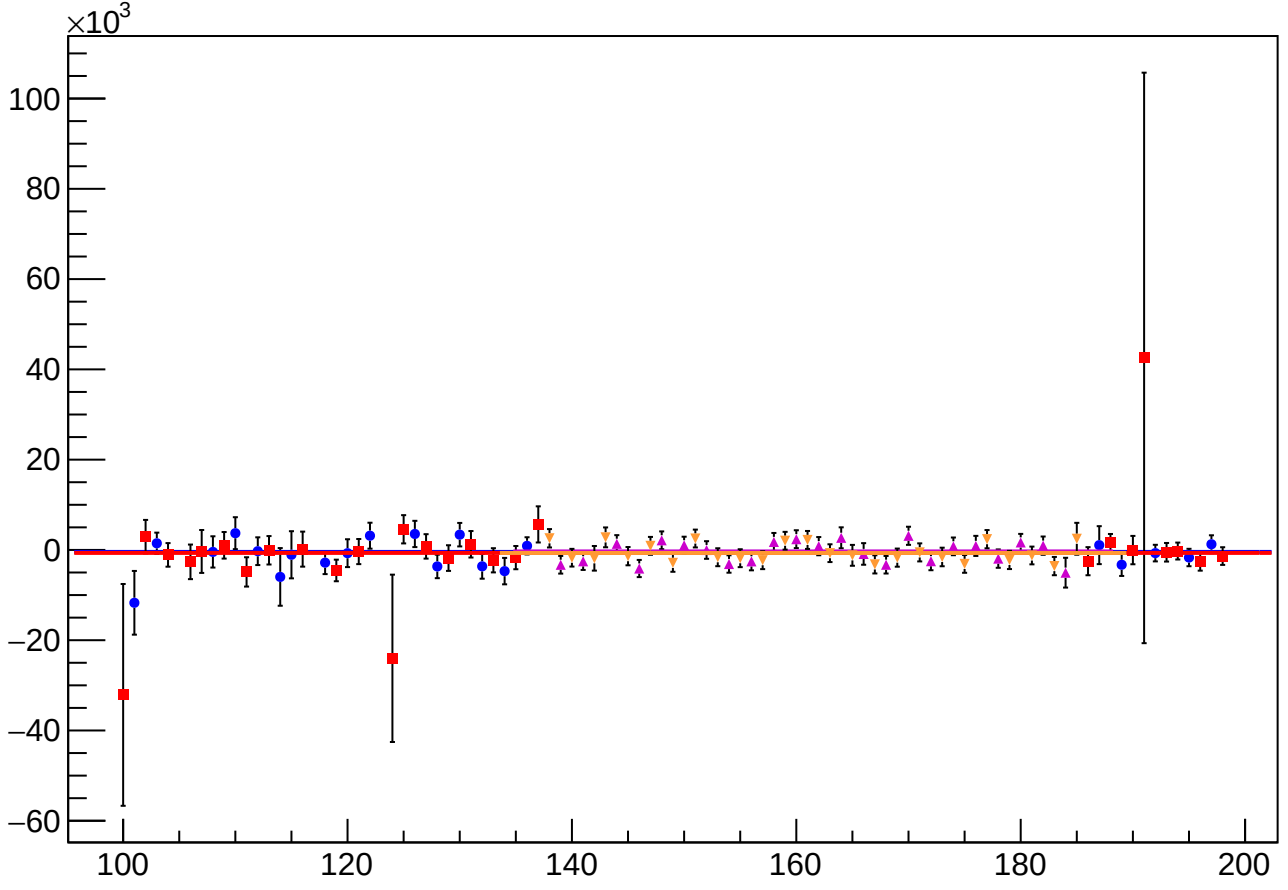
Right: 0.000+/-0.000 χ^2/NDF: 6571175.2/47

In: 0.000+/-0.000 χ^2/NDF:12053955.6/43

Out: 0.000+/-0.000 χ^2/NDF:13073885.0/51

All: 0.000+/-0.000 χ^2/NDF: 25131548.2/95

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -442.957+/-588.277 χ^2/NDF: 19.9/20

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: -658.548+/-546.243 χ^2/NDF: 19.2/26

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

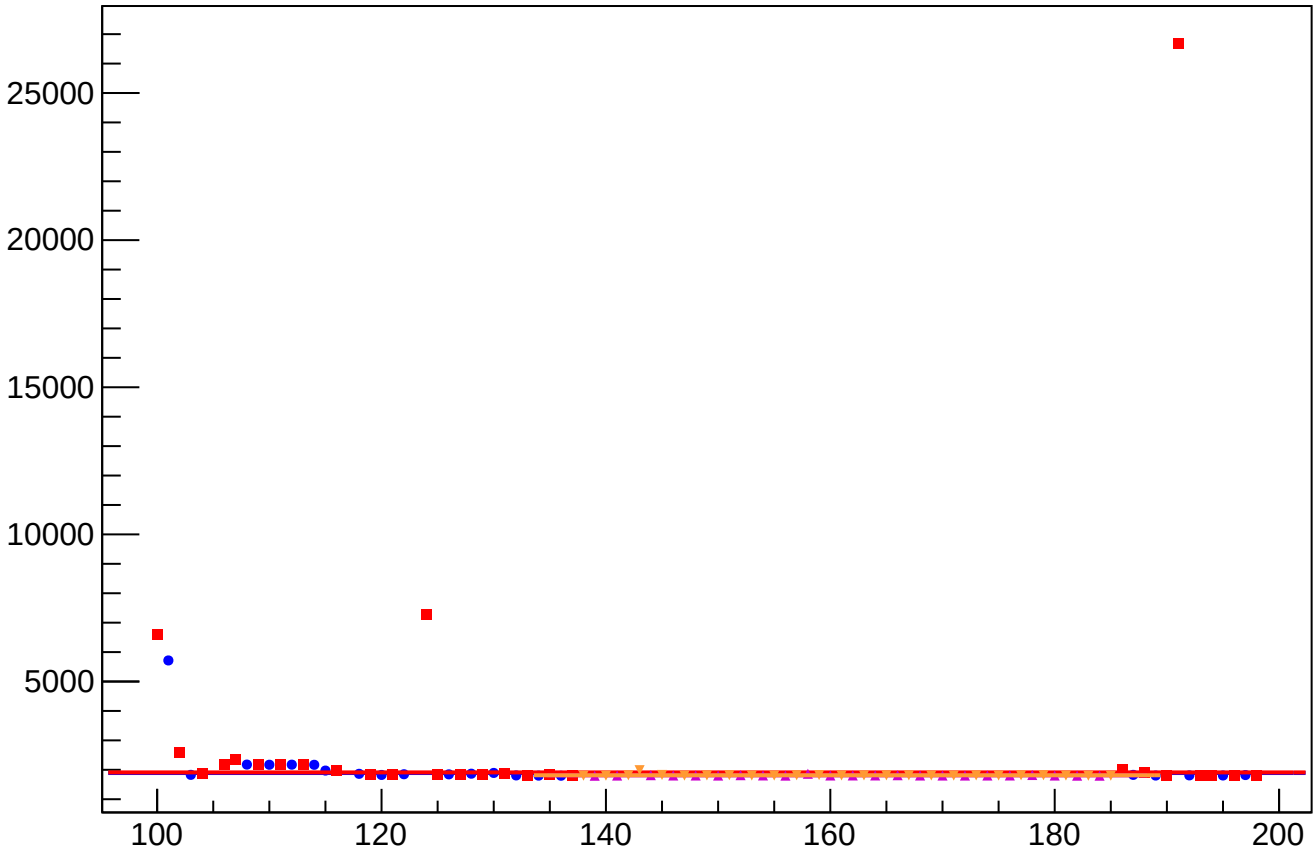
Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

Right: -558.730+/-400.288 χ^2/NDF: 39.2/47

In: -377.000+/-343.280 χ^2/NDF:50.0/43

Out: -665.871+/-329.033 χ^2/NDF:44.0/51

All: -527.554+/-237.538 χ^2/NDF: 94.4/95



Right In: 1890.325+/-0.416 χ^2/NDF: 659854.2/20

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1911.474+/-0.386 χ^2/NDF: 728030.2/26

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

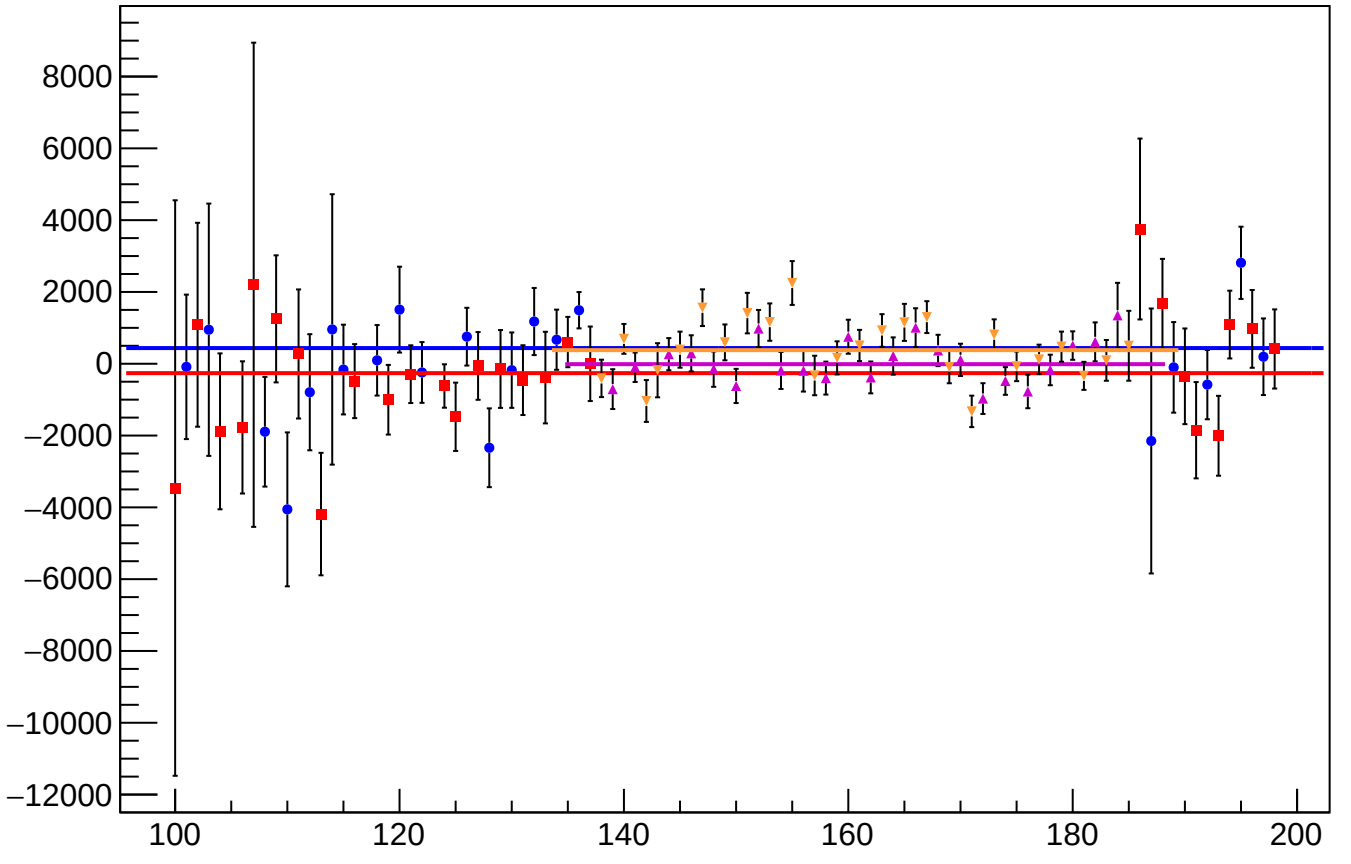
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1901.682+/-0.283 χ^2/NDF: 1389272.4/47

In: 1837.653+/-0.243 χ^2/NDF:686133.1/43

Out: 1849.644+/-0.233 χ^2/NDF:781349.0/51

All: 1843.903+/-0.168 χ^2/NDF: 1468753.9/95



Right In: 436.824+/-231.879 χ^2/NDF: 28.6/20

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: -261.063+/-217.365 χ^2/NDF: 24.7/26

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

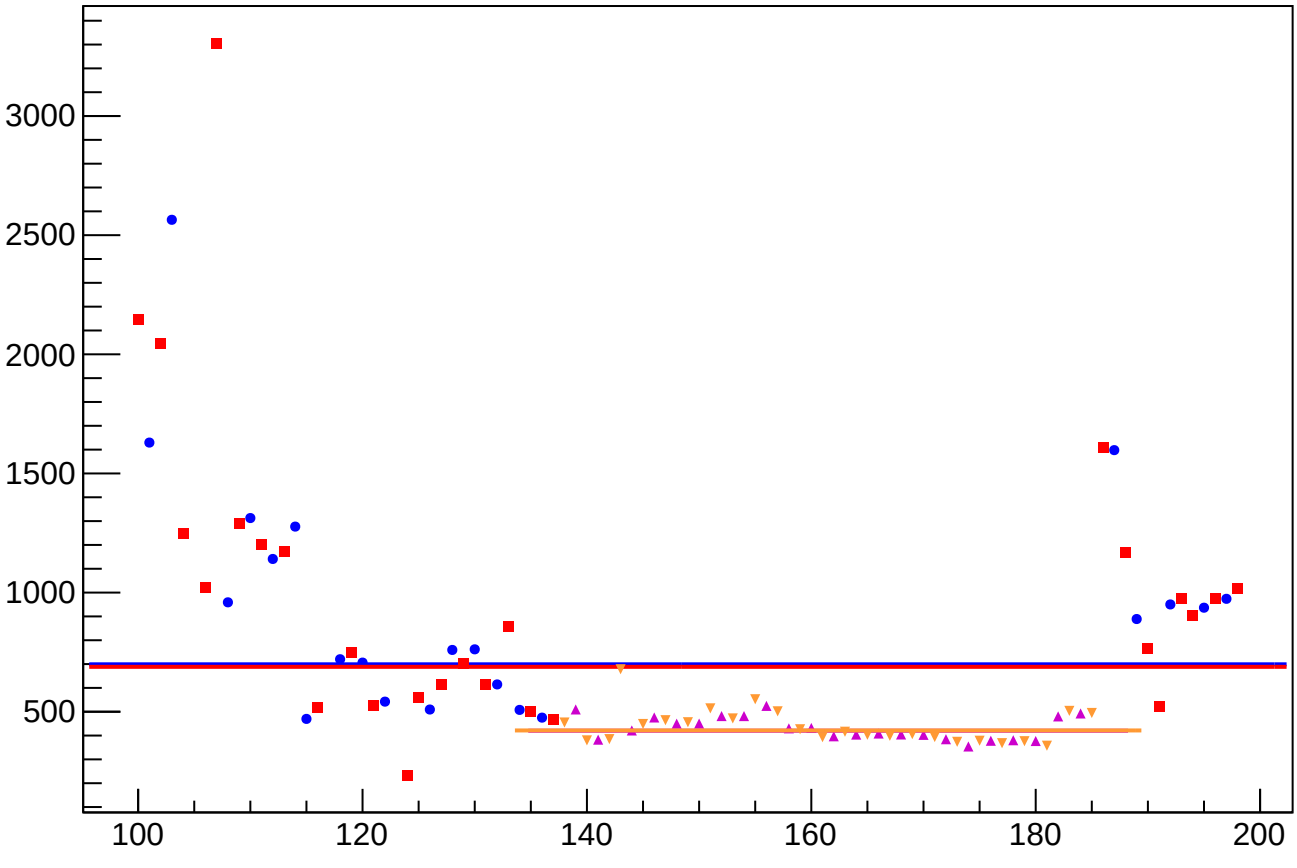
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: 65.357+/-158.583 χ^2/NDF: 58.1/47

In: 57.571+/-91.030 χ^2/NDF:62.8/43

Out: 272.975+/-88.590 χ^2/NDF:94.2/51

All: 168.198+/-63.488 χ^2/NDF: 160.0/95



Right In: 698.975+/-0.164 χ^2/NDF: 2726827.2/20

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 688.427+/-0.154 χ^2/NDF: 4342571.3/26

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

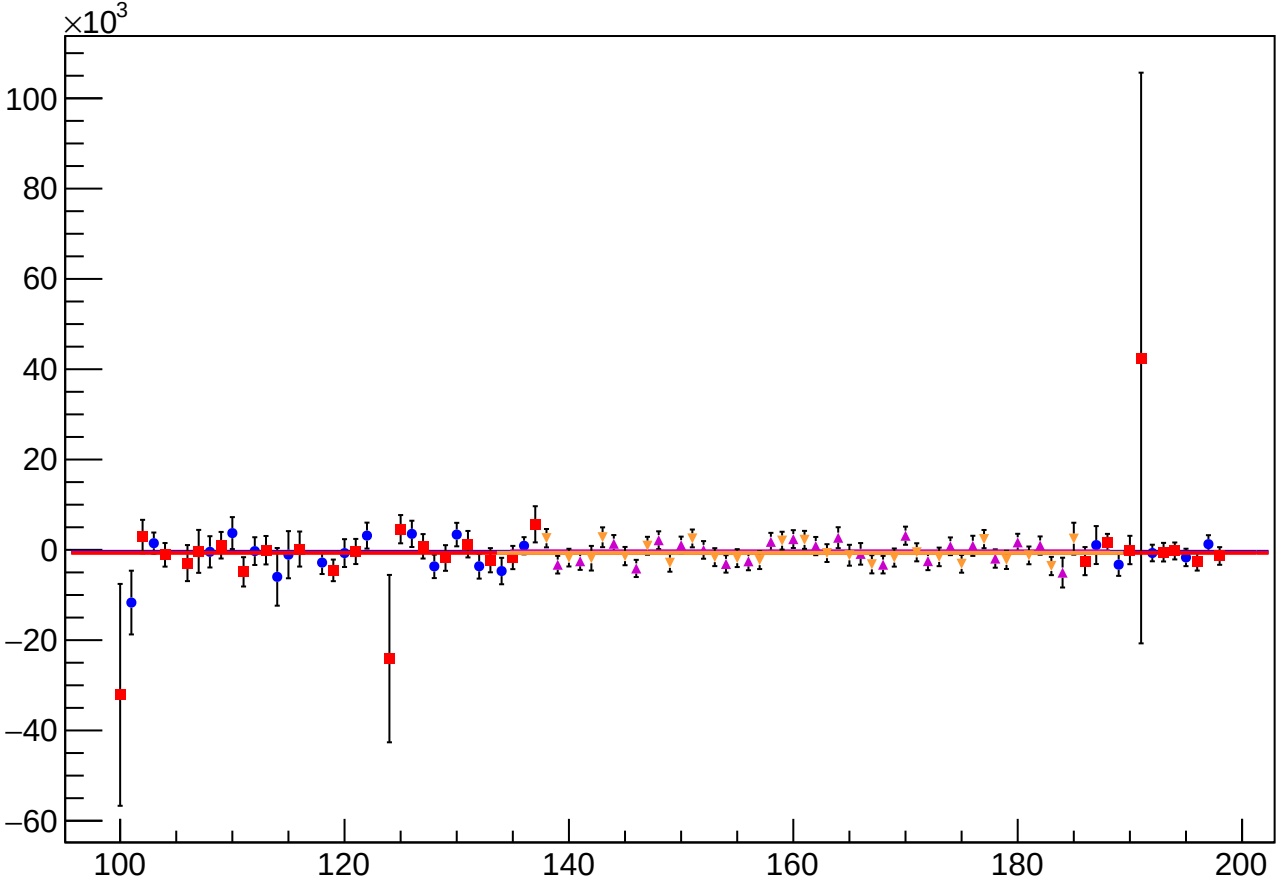
Right: 693.361+/-0.112 χ^2/NDF: 7071601.2/47

In: 463.183+/-0.064 χ^2/NDF:5584826.5/43

Out: 465.769+/-0.063 χ^2/NDF:7602236.1/51

All: 464.511+/-0.045 χ^2/NDF: 13187891.9/95

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -442.487+/-588.277 χ^2/NDF: 19.9/20

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -661.155+/-546.681 χ^2/NDF: 19.3/26

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

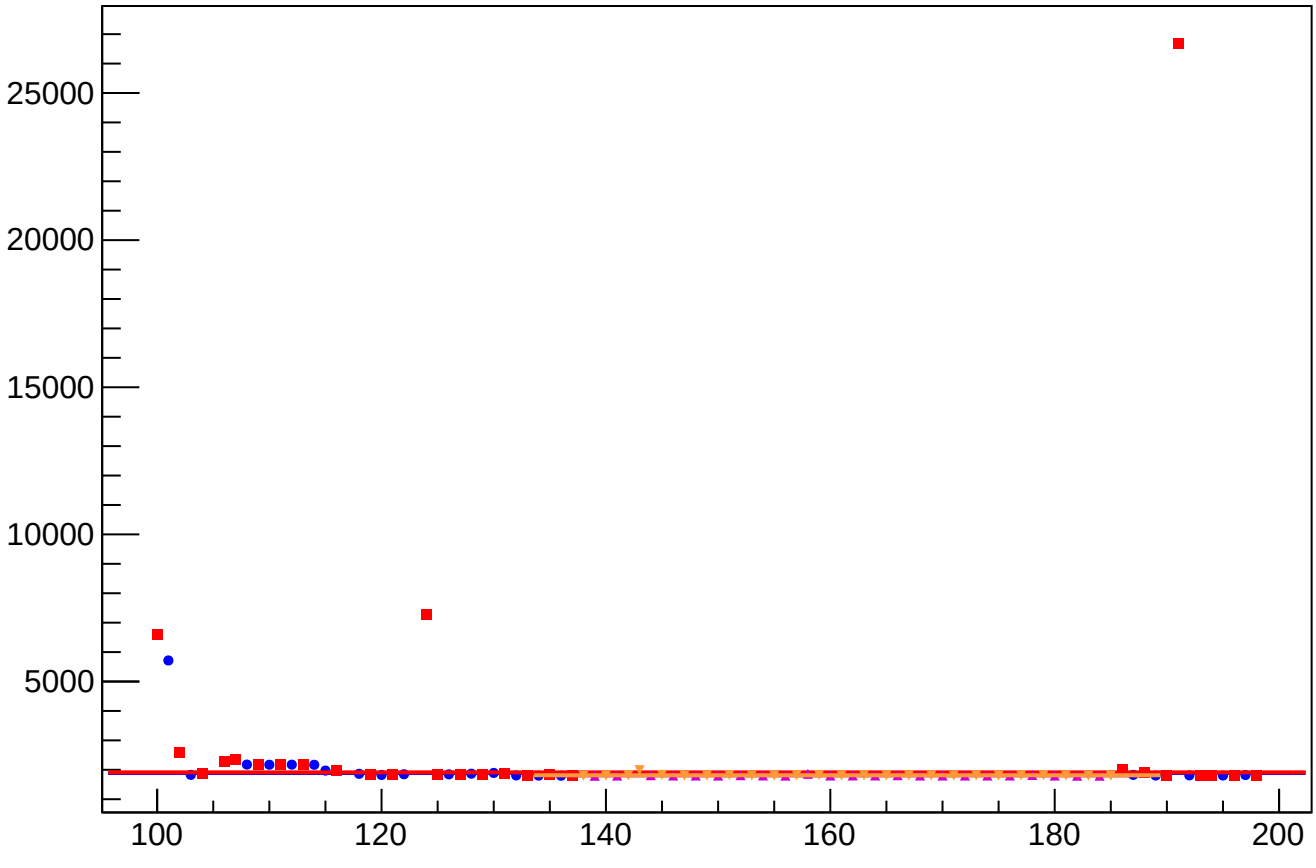
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -559.824+/-400.461 χ^2/NDF: 39.3/47

In: -376.869+/-343.280 χ^2/NDF:50.0/43

Out: -666.814+/-329.129 χ^2/NDF:44.0/51

All: -527.941+/-237.575 χ^2/NDF: 94.4/95



Right In: 1890.325+/-0.416 χ^2/NDF: 659854.1/20

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1912.567+/-0.387 χ^2/NDF: 733717.6/26

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

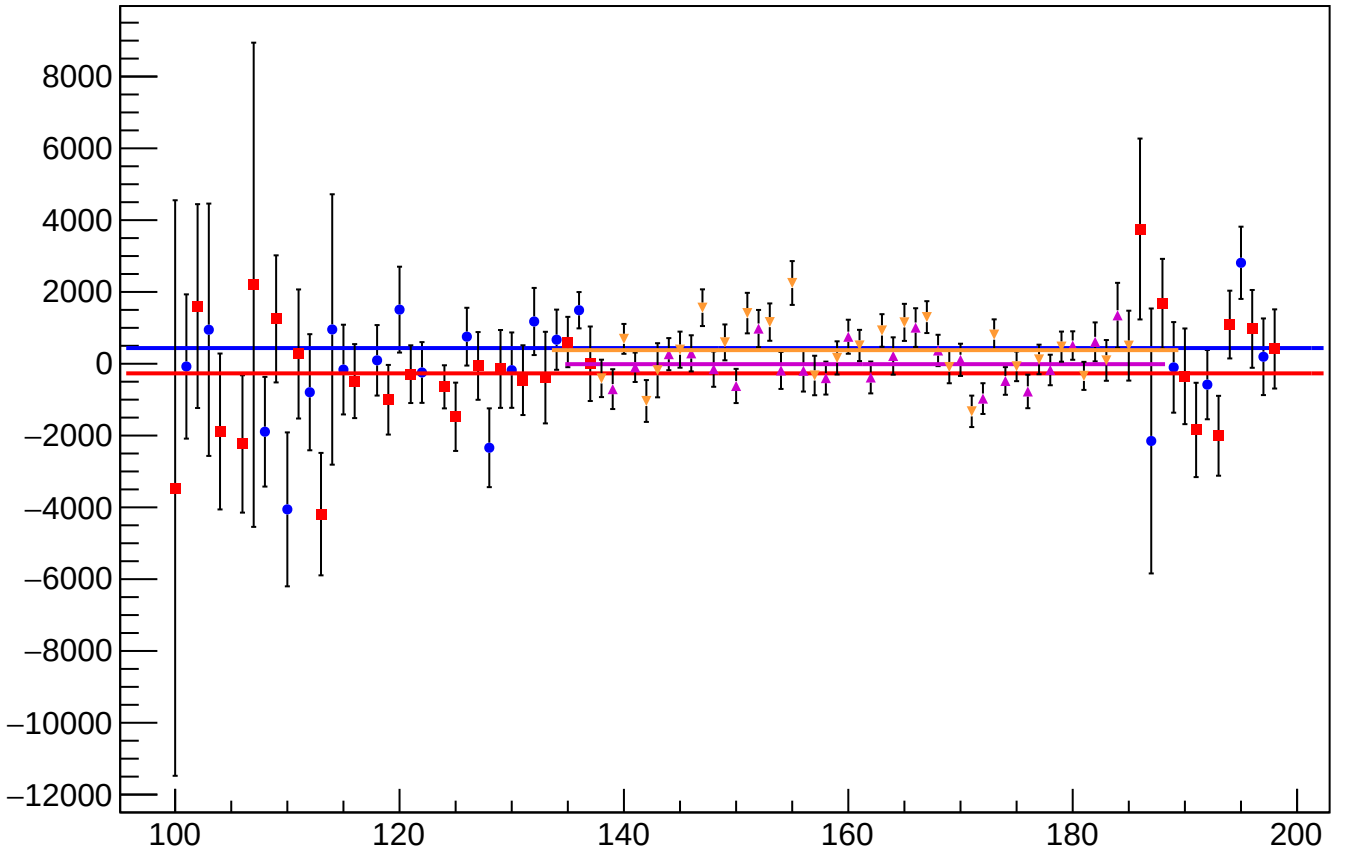
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1902.260+/-0.283 χ^2/NDF: 1395105.8/47

In: 1837.653+/-0.243 χ^2/NDF:686133.0/43

Out: 1850.004+/-0.233 χ^2/NDF:787905.5/51

All: 1844.089+/-0.168 χ^2/NDF: 1475387.5/95



Right In: 436.836+/-231.872 χ^2/NDF: 28.6/20

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -267.662+/-217.149 χ^2/NDF: 25.4/26

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

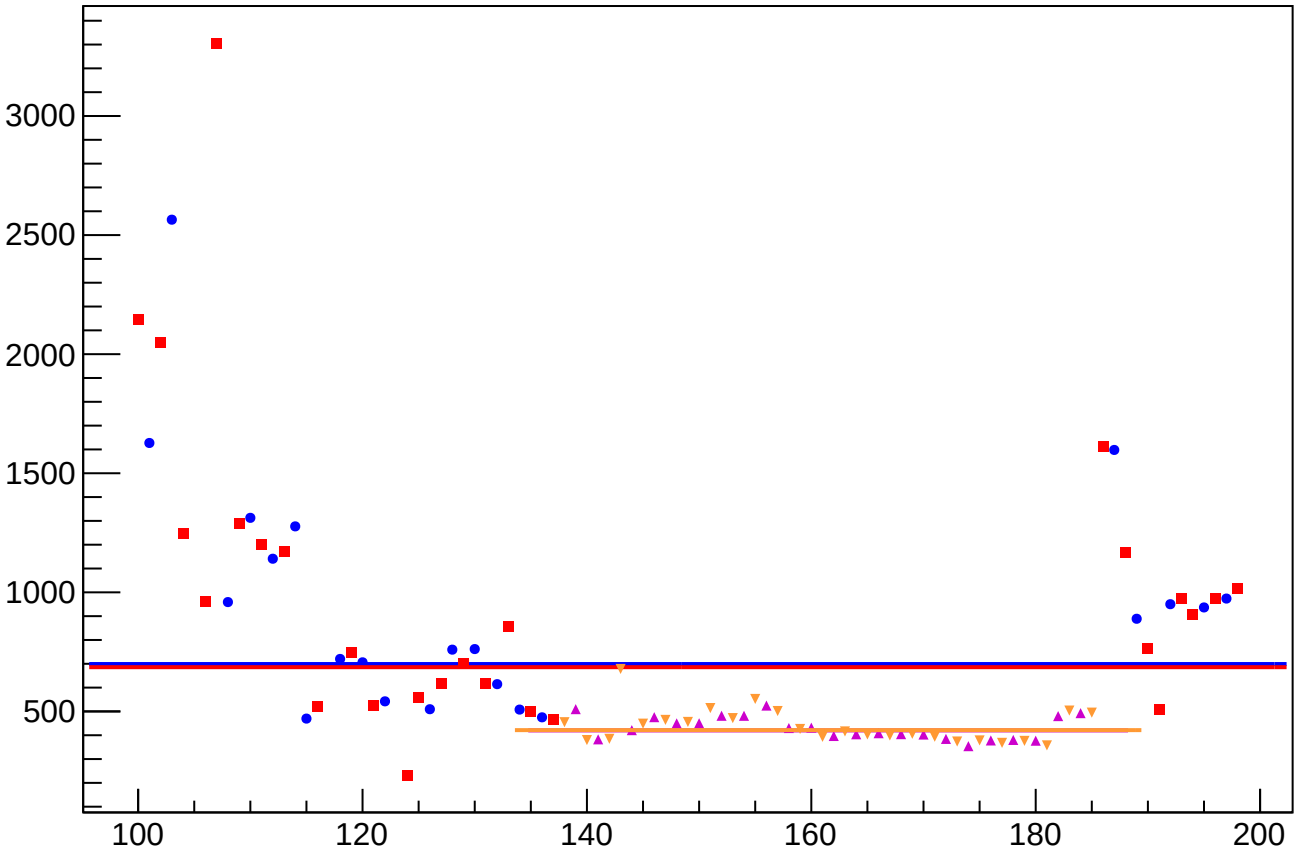
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: 61.512+/-158.497 χ^2/NDF: 58.9/47

In: 57.565+/-91.029 χ^2/NDF:62.8/43

Out: 271.691+/-88.576 χ^2/NDF:95.1/51

All: 167.552+/-63.482 χ^2/NDF: 160.8/95



Right In: 698.970+/-0.164 χ^2/NDF: 2726003.1/20

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 685.717+/-0.154 χ^2/NDF: 4351833.7/26

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

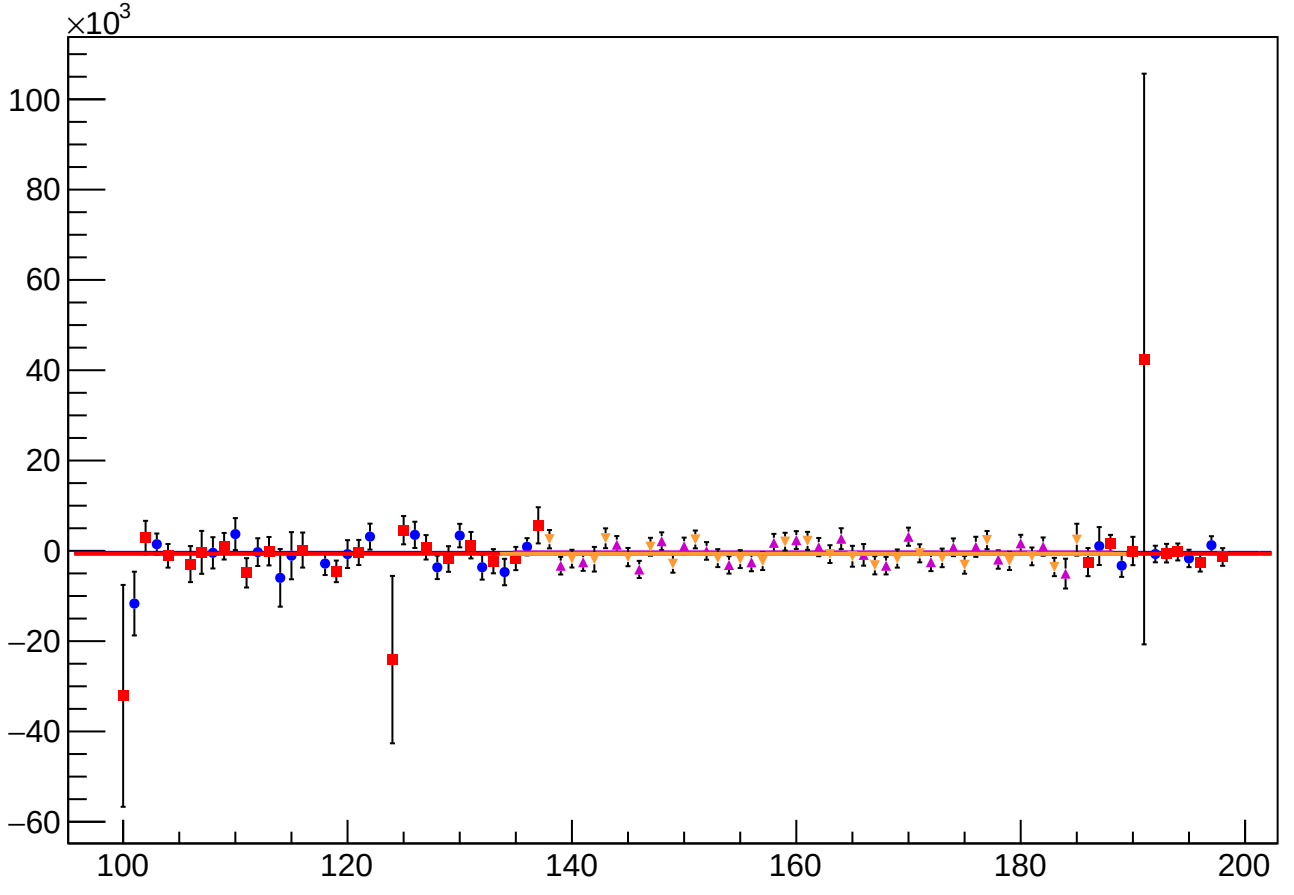
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 691.909+/-0.112 χ^2/NDF: 7081317.9/47

In: 463.180+/-0.064 χ^2/NDF:5584170.7/43

Out: 465.395+/-0.063 χ^2/NDF:7564631.2/51

All: 464.318+/-0.045 χ^2/NDF: 13149410.0/95



Right In: -442.487+/-588.277 χ^2/NDF: 19.9/20

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -661.155+/-546.681 χ^2/NDF: 19.3/26

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

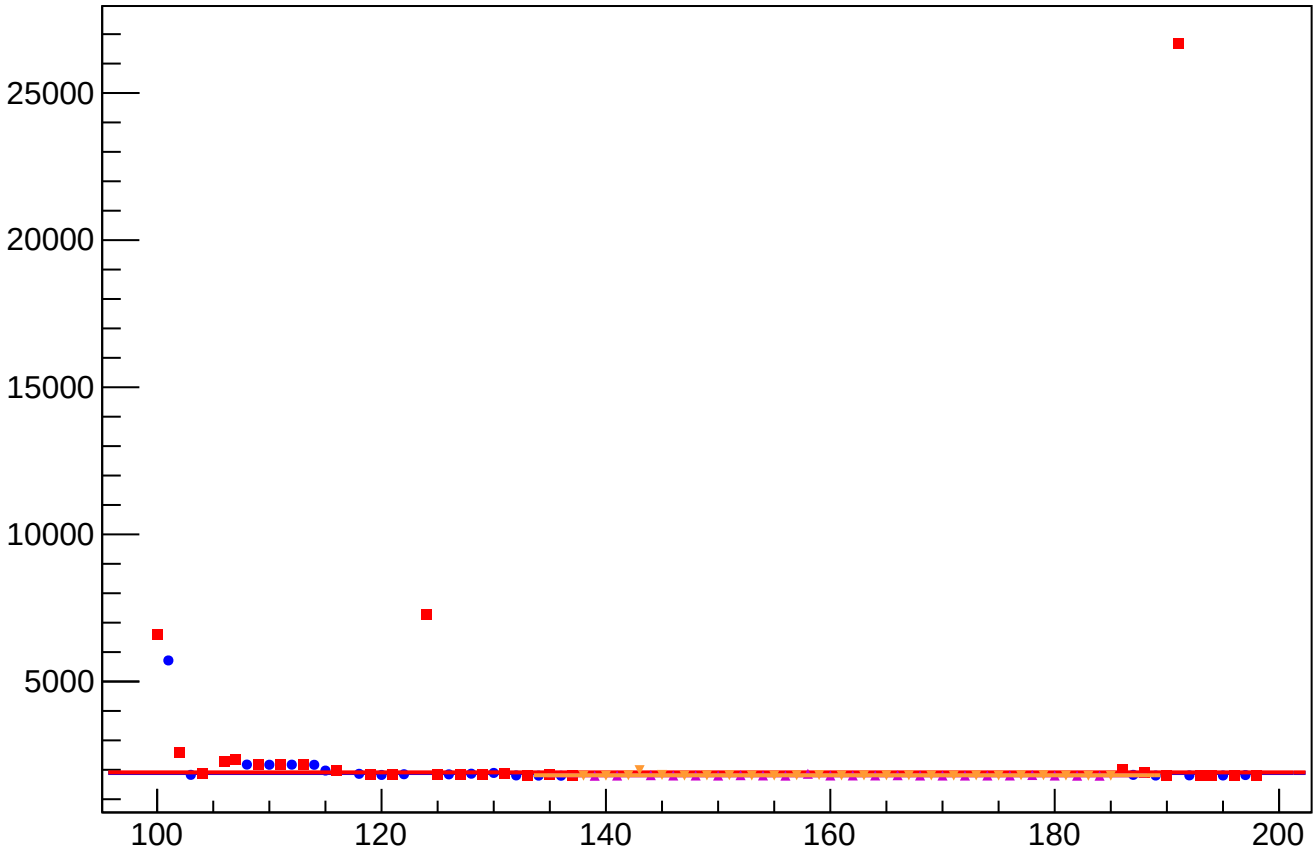
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -559.824+/-400.461 χ^2/NDF: 39.3/47

In: -376.869+/-343.280 χ^2/NDF:50.0/43

Out: -666.814+/-329.129 χ^2/NDF:44.0/51

All: -527.941+/-237.575 χ^2/NDF: 94.4/95



Right In: 1890.325+/-0.416 χ^2/NDF: 659854.1/20

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1912.567+/-0.387 χ^2/NDF: 733717.6/26

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

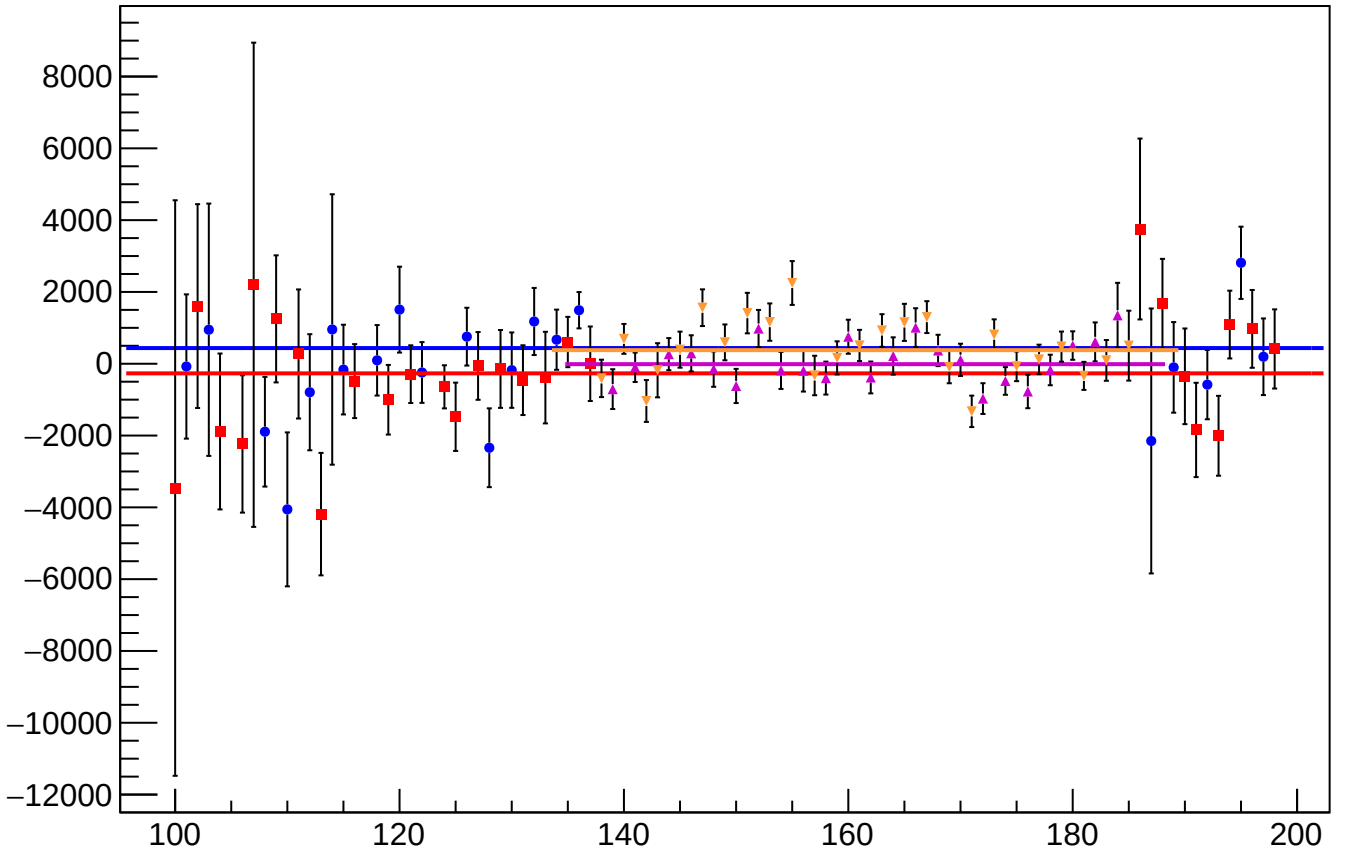
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1902.260+/-0.283 χ^2/NDF: 1395105.8/47

In: 1837.653+/-0.243 χ^2/NDF:686133.0/43

Out: 1850.004+/-0.233 χ^2/NDF:787905.5/51

All: 1844.089+/-0.168 χ^2/NDF: 1475387.5/95



Right In: 436.836+/-231.872 χ^2/NDF: 28.6/20

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -267.662+/-217.149 χ^2/NDF: 25.4/26

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

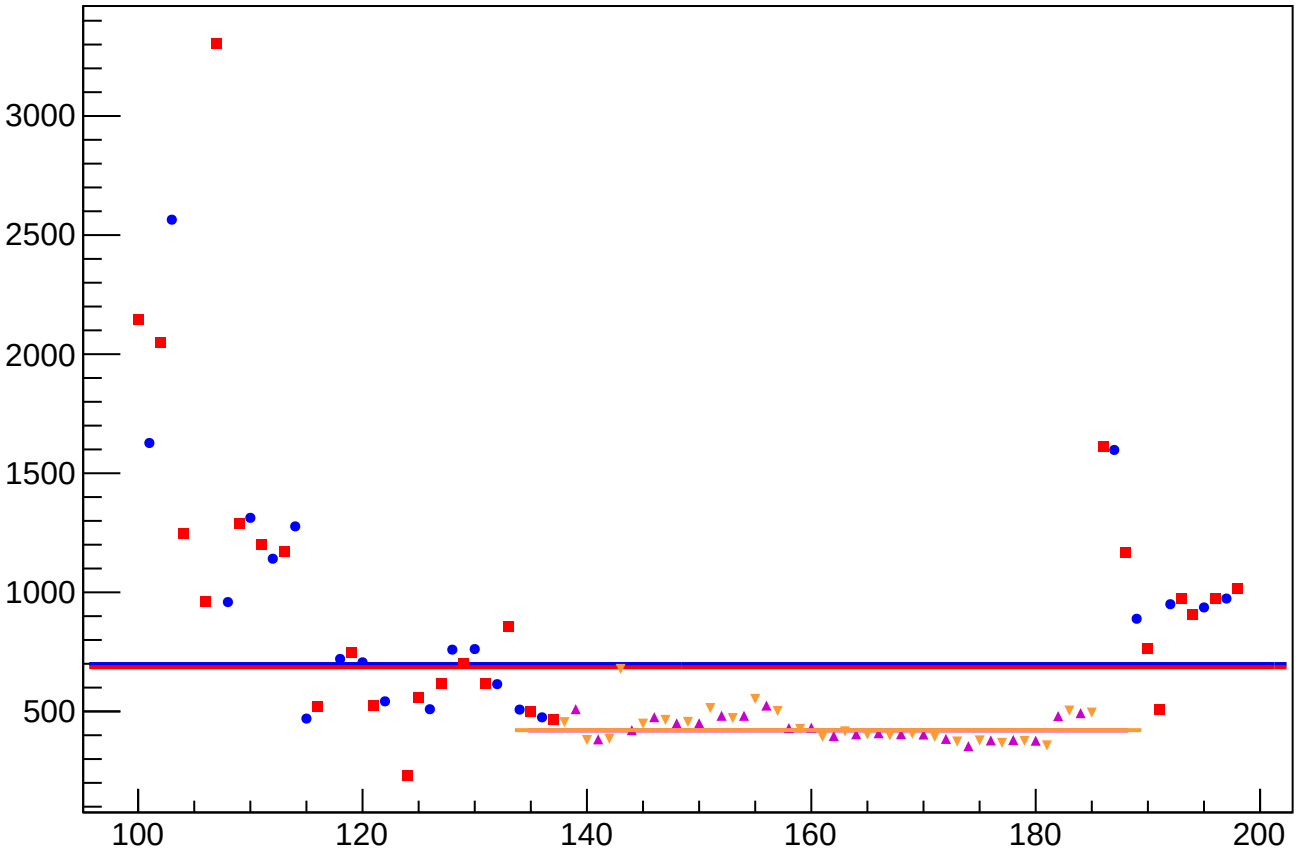
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: 61.512+/-158.497 χ^2/NDF: 58.9/47

In: 57.565+/-91.029 χ^2/NDF:62.8/43

Out: 271.691+/-88.576 χ^2/NDF:95.1/51

All: 167.552+/-63.482 χ^2/NDF: 160.8/95



Right In: 698.970+/-0.164 χ^2/NDF: 2726003.1/20

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 685.717+/-0.154 χ^2/NDF: 4351833.7/26

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

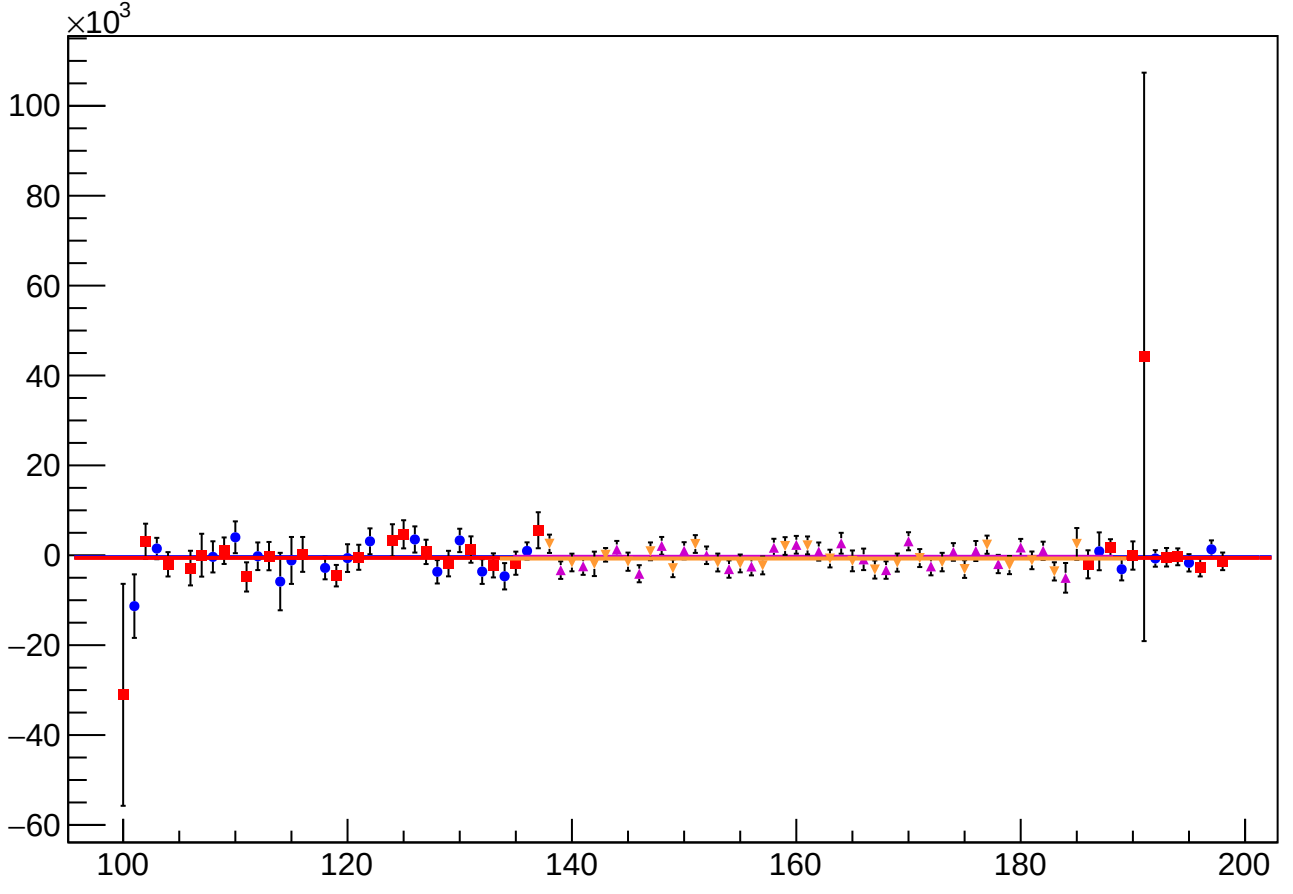
Right: 691.909+/-0.112 χ^2/NDF: 7081317.9/47

In: 463.180+/-0.064 χ^2/NDF:5584170.7/43

Out: 465.395+/-0.063 χ^2/NDF:7564631.2/51

All: 464.318+/-0.045 χ^2/NDF: 13149410.0/95

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -411.536+/-588.997 χ^2/NDF: 19.7/20

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: -586.035+/-542.196 χ^2/NDF: 19.0/26

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

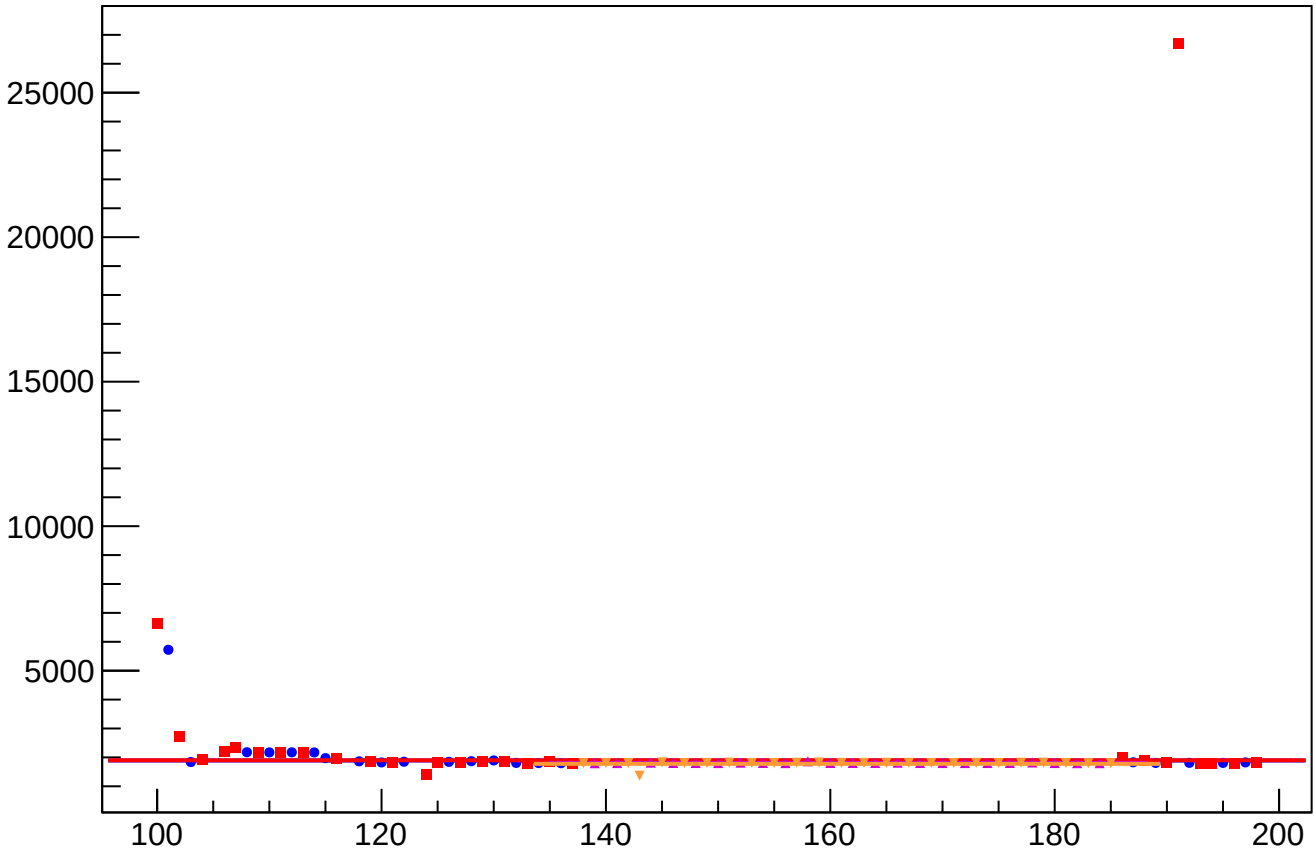
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -505.993+/-398.911 χ^2/NDF: 38.7/47

In: -365.138+/-343.501 χ^2/NDF:49.3/43

Out: -675.021+/-324.173 χ^2/NDF:41.2/51

All: -529.042+/-235.762 χ^2/NDF: 90.9/95



Right In: 1892.464+/-0.416 χ^2/NDF: 659395.6/20

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1899.643+/-0.383 χ^2/NDF: 615895.6/26

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

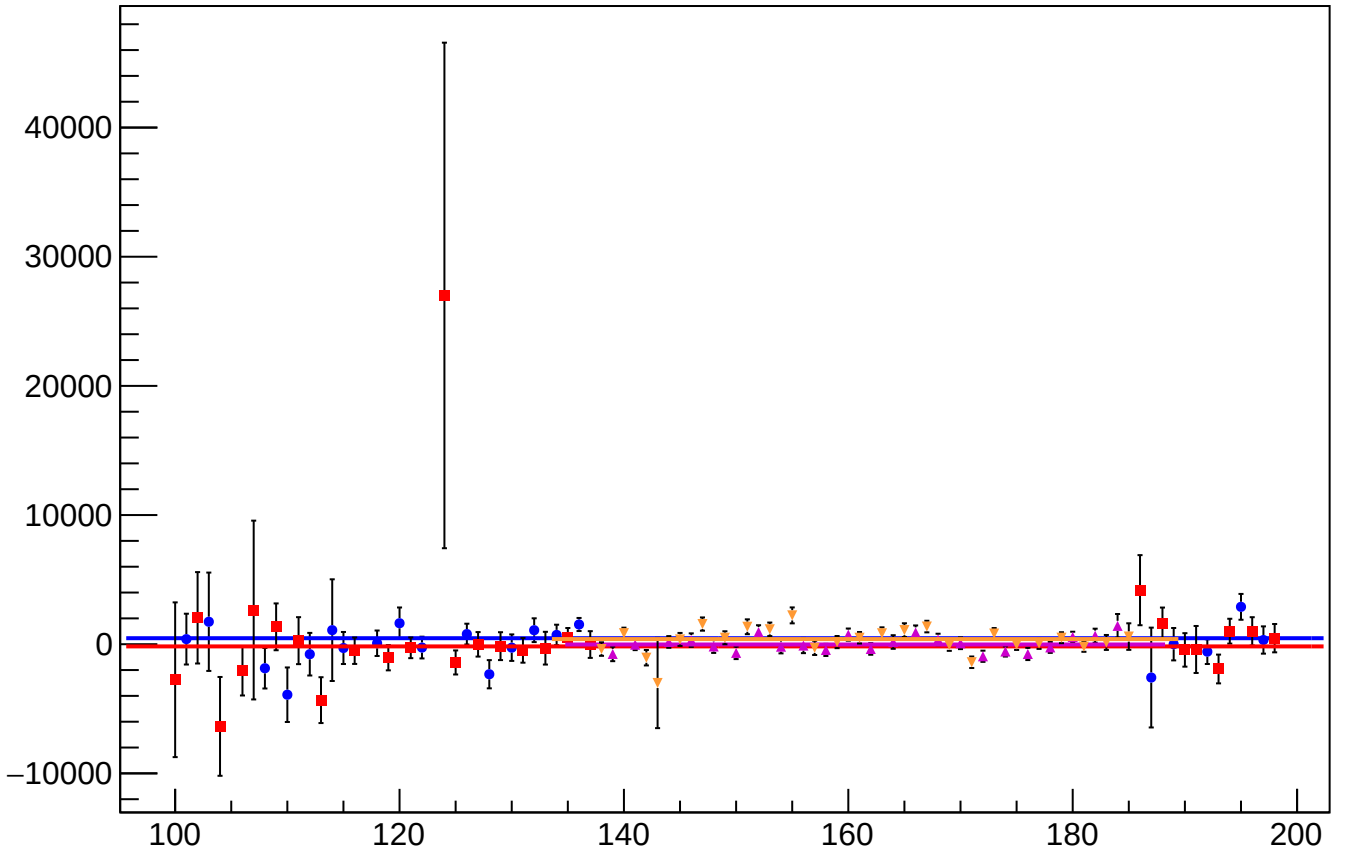
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1896.350+/-0.282 χ^2/NDF: 1275452.1/47

In: 1838.763+/-0.243 χ^2/NDF:686555.8/43

Out: 1820.662+/-0.229 χ^2/NDF:843240.0/51

All: 1829.189+/-0.167 χ^2/NDF: 1532733.1/95



Right In: 465.014+/-230.249 χ^2/NDF: 29.4/20

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: -169.996+/-235.531 χ^2/NDF: 26.6/26

Left In: -21.453+/-100.264 χ^2/NDF:30.8/22

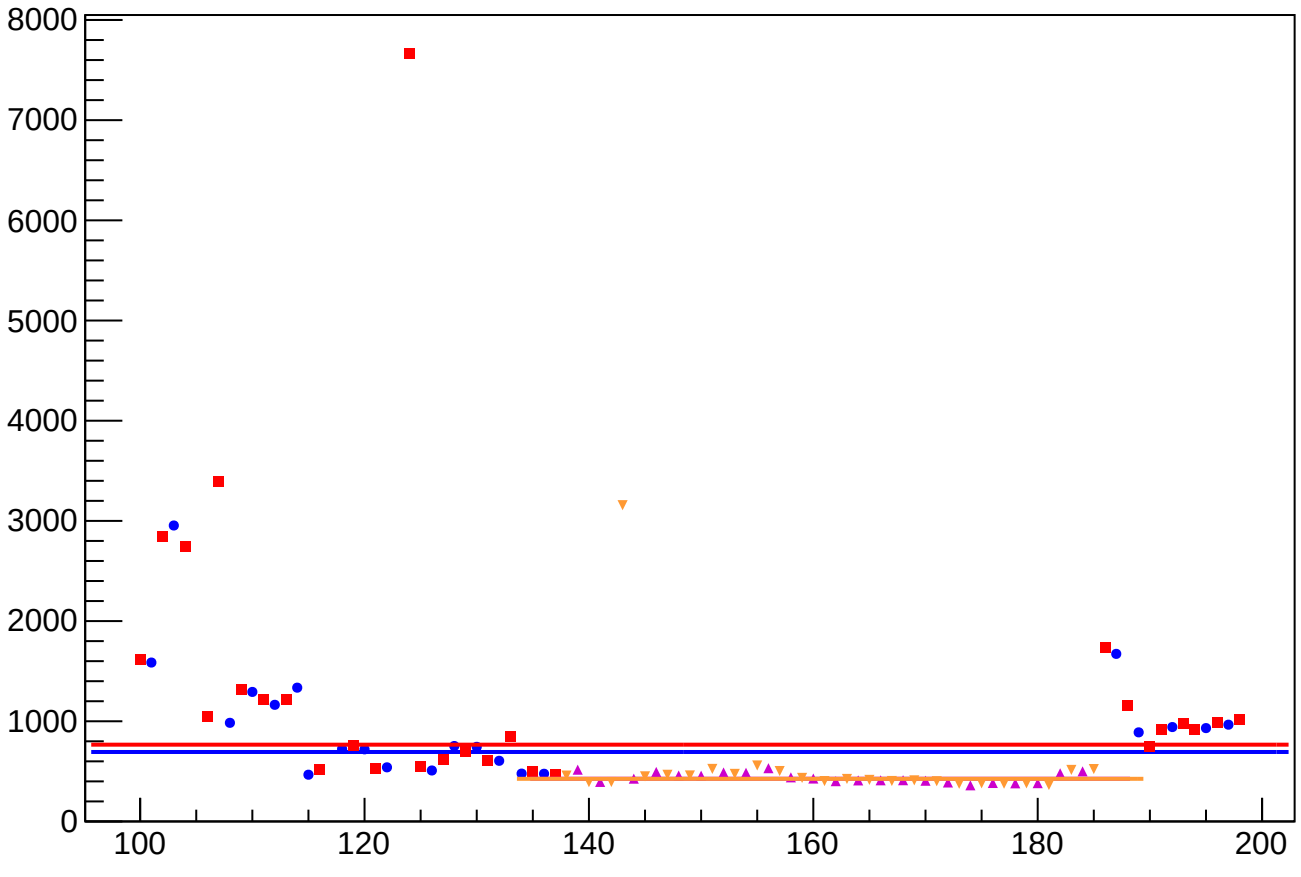
Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

Right: 154.709+/-164.647 χ^2/NDF: 59.6/47

In: 56.089+/-91.926 χ^2/NDF:64.0/43

Out: 312.704+/-91.395 χ^2/NDF:92.0/51

All: 185.141+/-64.813 χ^2/NDF: 159.9/95



Right In: 693.432+/-0.163 χ^2/NDF: 2911712.4/20

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 766.424+/-0.167 χ^2/NDF: 4050246.4/26

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

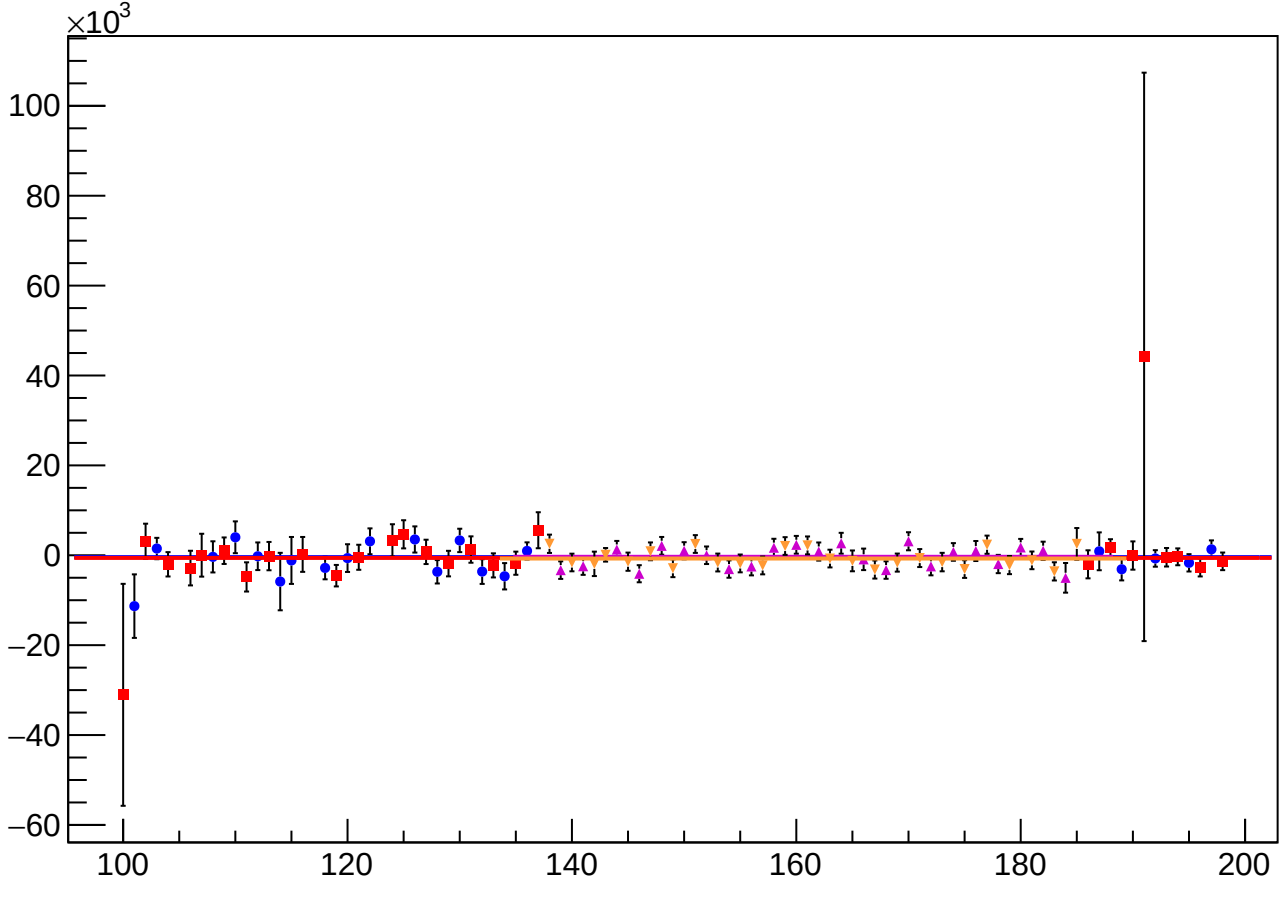
Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

Right: 729.101+/-0.116 χ^2/NDF: 7060176.4/47

In: 468.750+/-0.065 χ^2/NDF:5592719.7/43

Out: 477.001+/-0.065 χ^2/NDF:9323672.1/51

All: 472.899+/-0.046 χ^2/NDF: 14924495.0/95



Right In: -411.537+/-588.997 χ^2/NDF: 19.7/20

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: -586.034+/-542.196 χ^2/NDF: 19.0/26

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

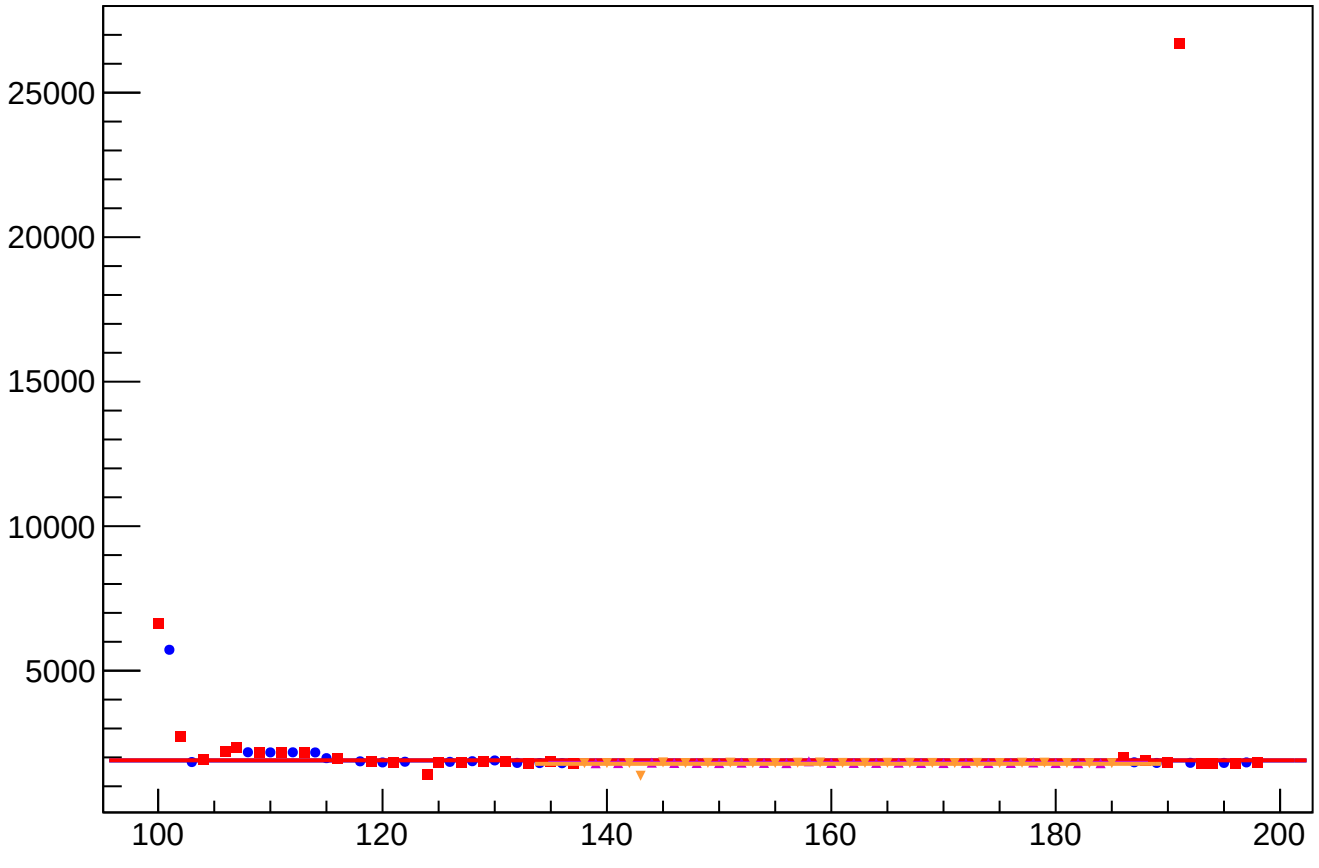
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -505.993+/-398.911 χ^2/NDF: 38.7/47

In: -365.138+/-343.501 χ^2/NDF:49.3/43

Out: -675.021+/-324.173 χ^2/NDF:41.2/51

All: -529.042+/-235.762 χ^2/NDF: 90.9/95



Right In: 1892.464+/-0.416 χ^2/NDF: 659395.7/20

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1899.643+/-0.383 χ^2/NDF: 615895.4/26

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

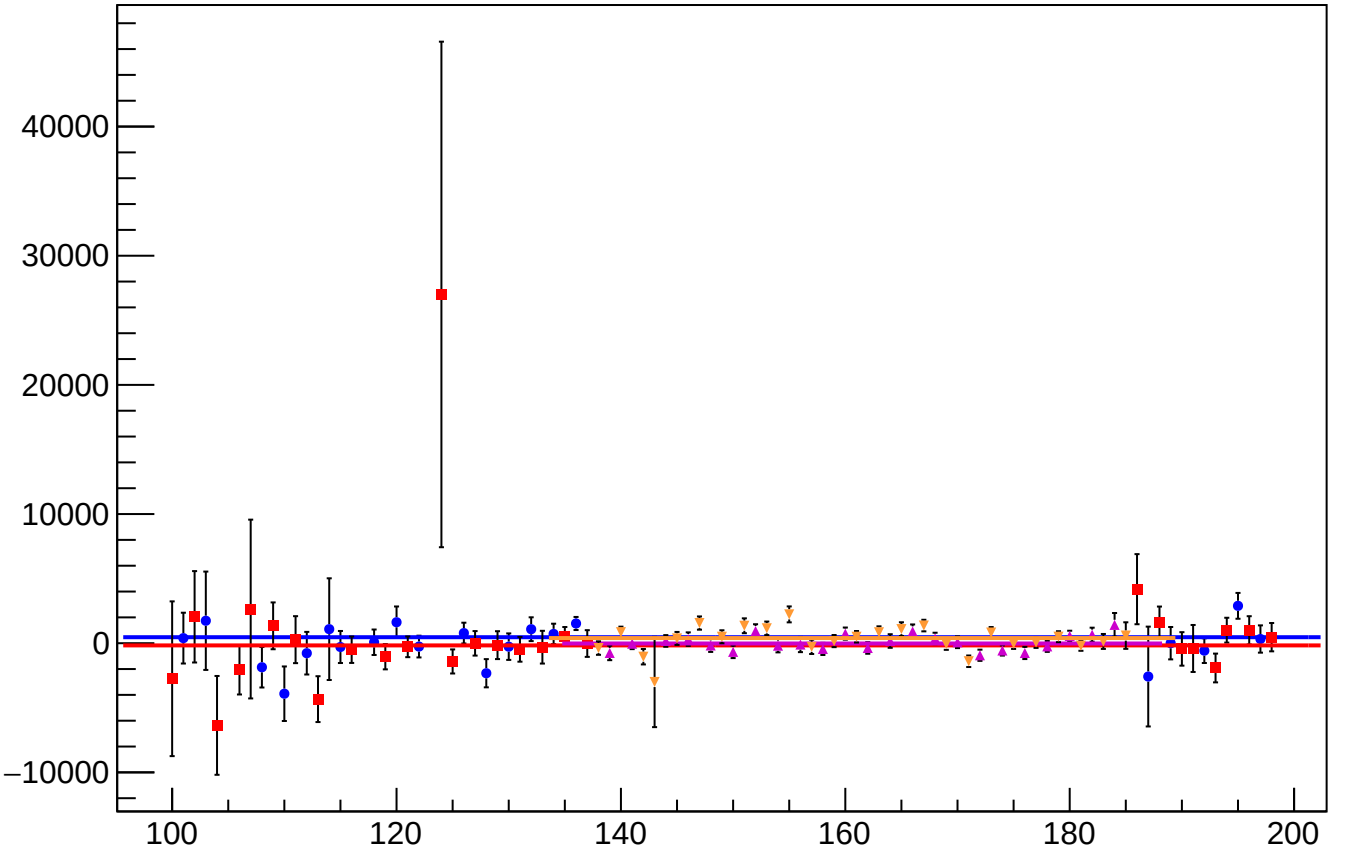
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1896.350+/-0.282 χ^2/NDF: 1275451.9/47

In: 1838.763+/-0.243 χ^2/NDF:686555.8/43

Out: 1820.662+/-0.229 χ^2/NDF:843239.8/51

All: 1829.189+/-0.167 χ^2/NDF: 1532732.9/95



Right In: 465.012+/-230.249 χ^2/NDF: 29.4/20

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: -169.996+/-235.531 χ^2/NDF: 26.6/26

Left In: -21.452+/-100.264 χ^2/NDF:30.8/22

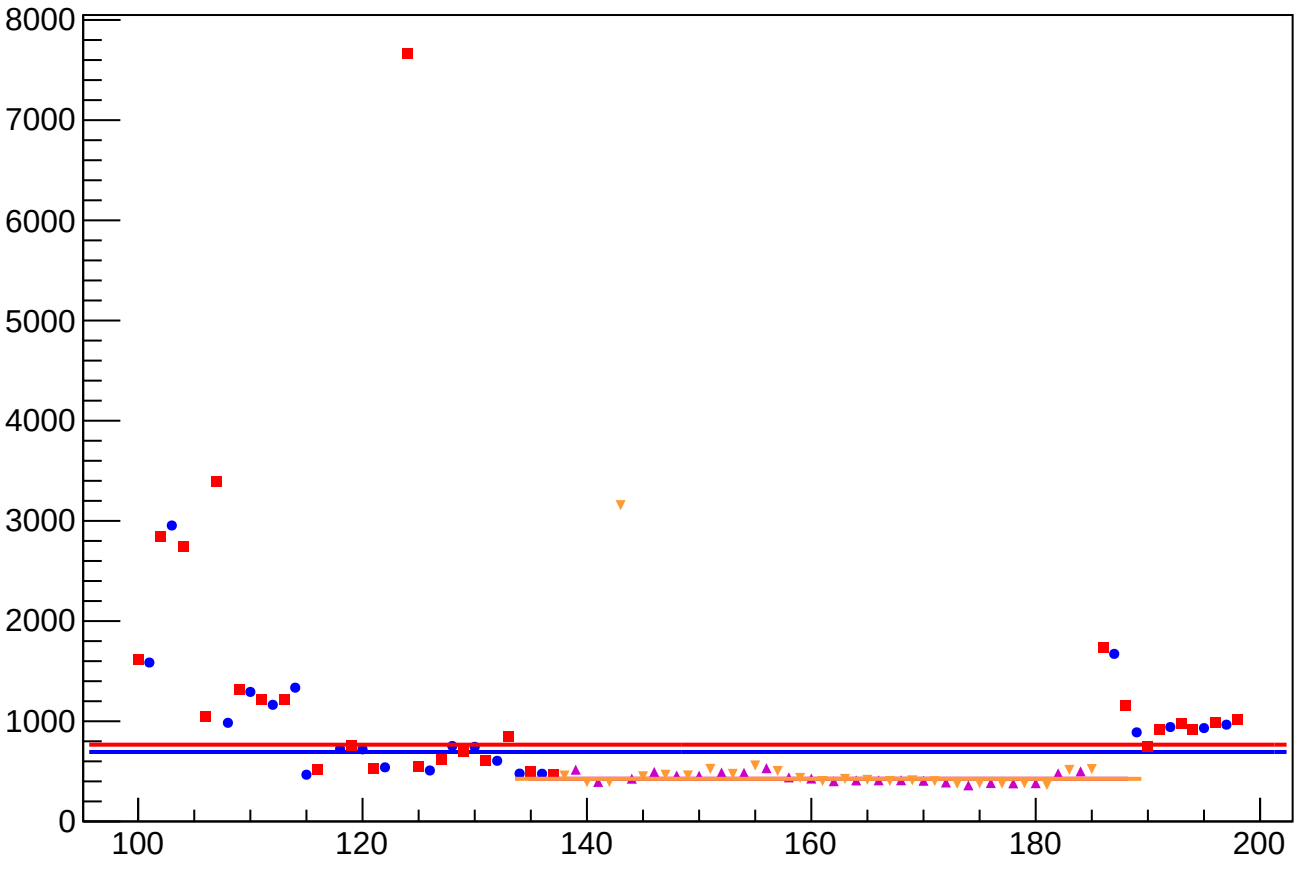
Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

Right: 154.708+/-164.647 χ^2/NDF: 59.6/47

In: 56.089+/-91.926 χ^2/NDF:64.0/43

Out: 312.704+/-91.395 χ^2/NDF:92.0/51

All: 185.141+/-64.813 χ^2/NDF: 159.9/95



Right In: 693.432+/-0.163 χ^2/NDF: 2911713.4/20

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 766.424+/-0.167 χ^2/NDF: 4050249.8/26

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

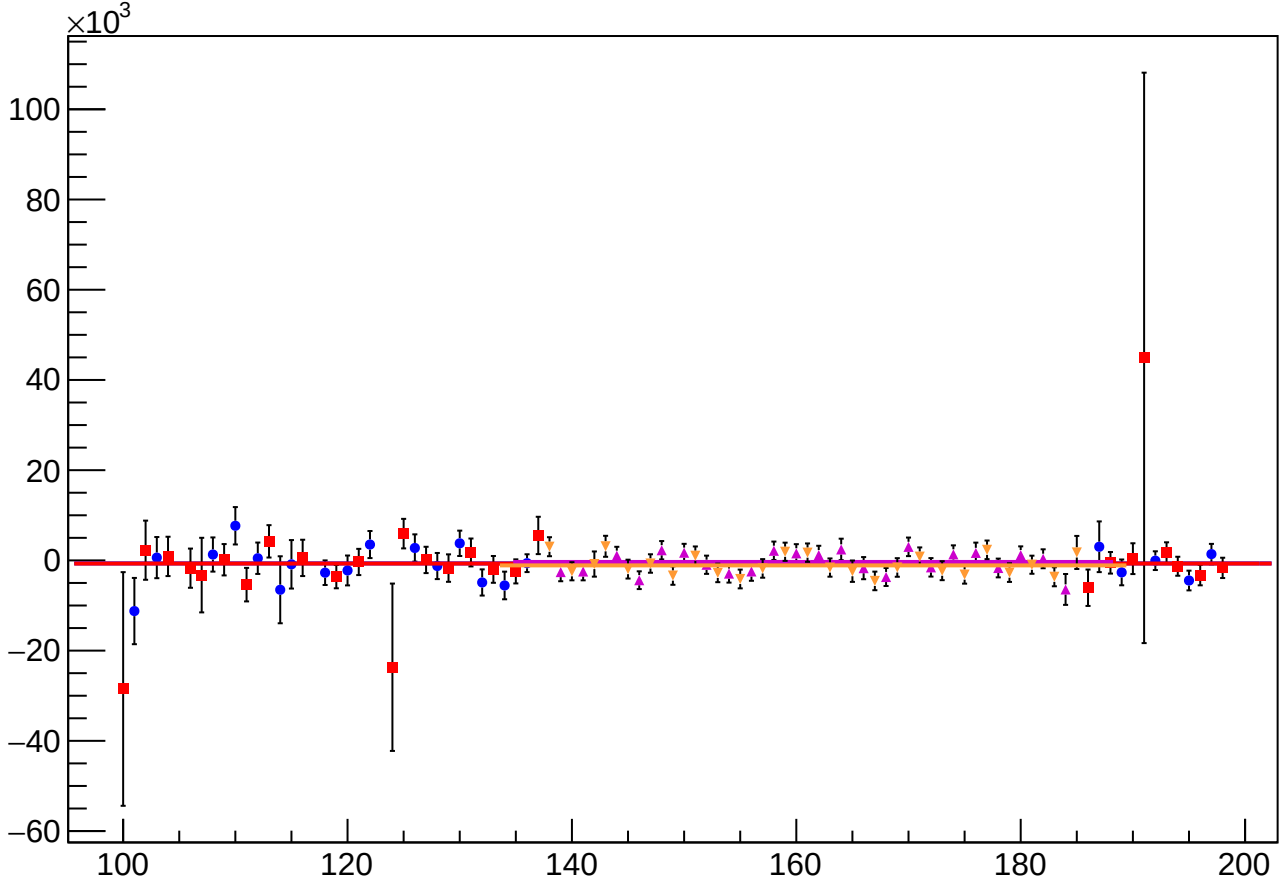
Right: 729.101+/-0.116 χ^2/NDF: 7060180.8/47

In: 468.749+/-0.065 χ^2/NDF:5592725.4/43

Out: 477.000+/-0.065 χ^2/NDF:9323681.7/51

All: 472.899+/-0.046 χ^2/NDF: 14924510.1/95

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -667.530+/-660.158 χ^2/NDF: 23.3/20

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: -698.104+/-624.133 χ^2/NDF: 20.8/26

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

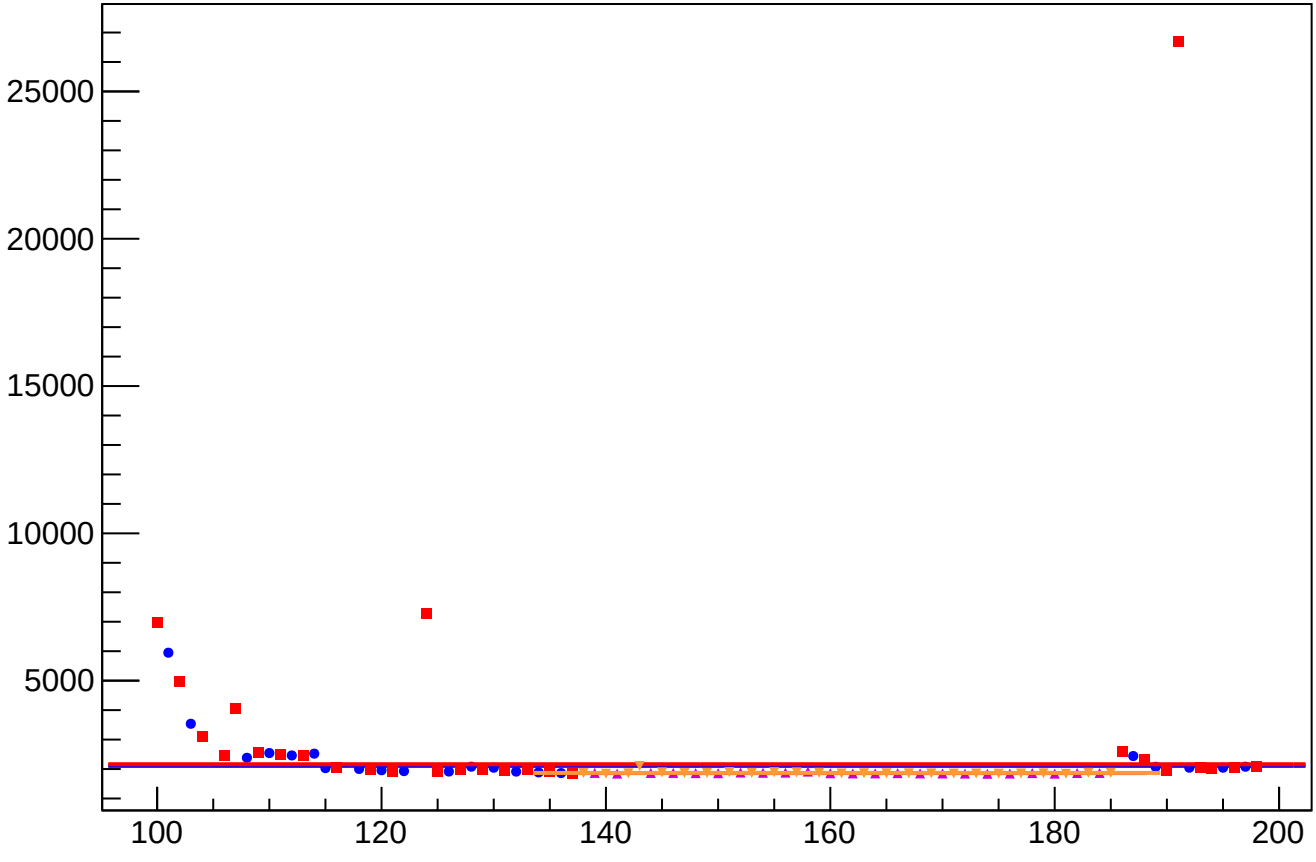
Right: -683.674+/-453.530 χ^2/NDF: 44.1/47

In: -443.977+/-363.202 χ^2/NDF:52.2/43

Out: -976.785+/-351.091 χ^2/NDF:49.1/51

All: -719.413+/-252.432 χ^2/NDF: 102.4/95

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2108.864+/-0.467 χ^2/NDF: 887208.7/20

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2163.247+/-0.441 χ^2/NDF: 1308031.5/26

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

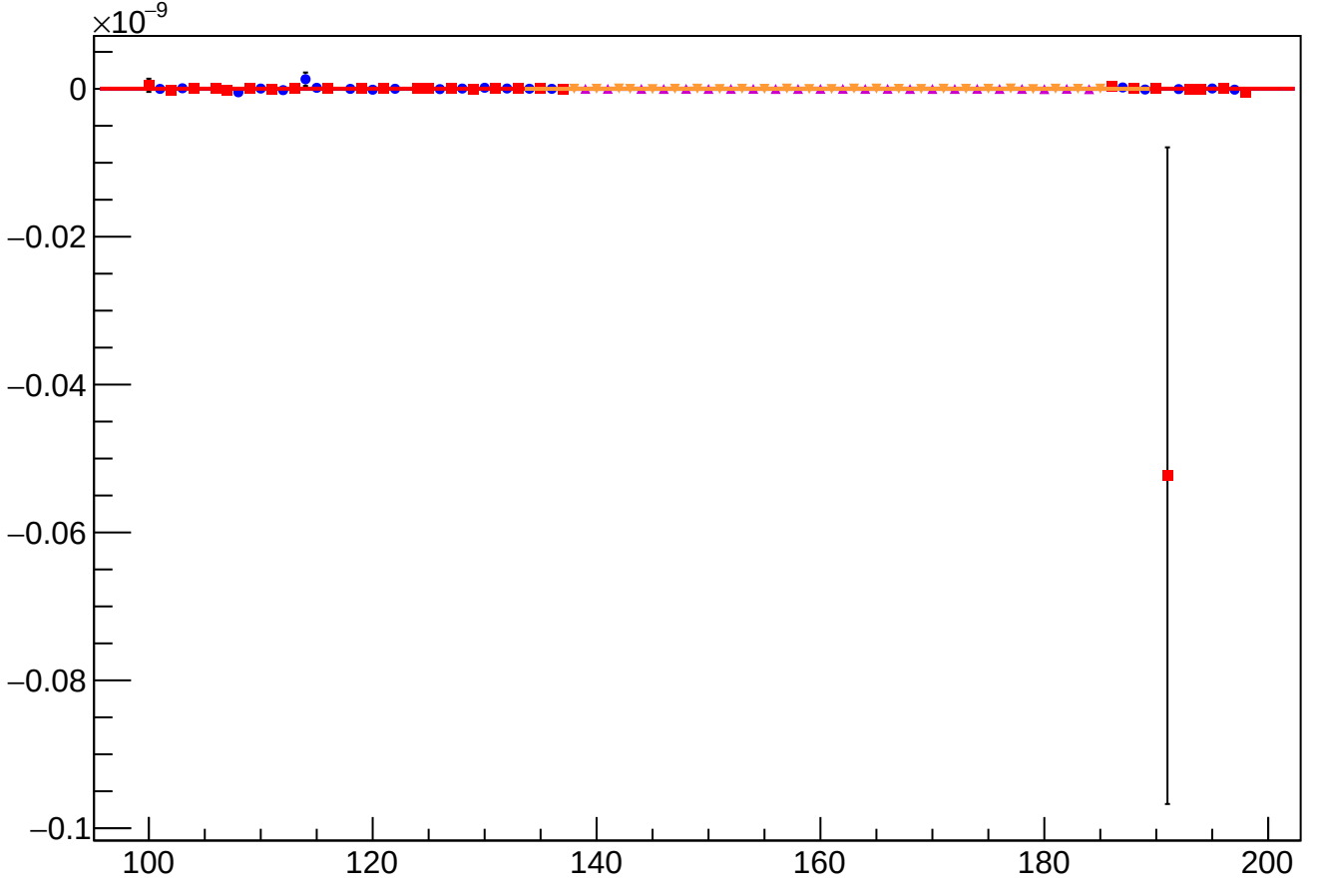
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2137.580+/-0.321 χ^2/NDF: 2202406.8/47

In: 1937.301+/-0.257 χ^2/NDF:1083634.7/43

Out: 1962.070+/-0.248 χ^2/NDF:1635333.1/51

All: 1950.105+/-0.178 χ^2/NDF: 2723775.9/95



Right In: -0.000+/-0.000 χ^2/NDF: 22.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.2/26

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

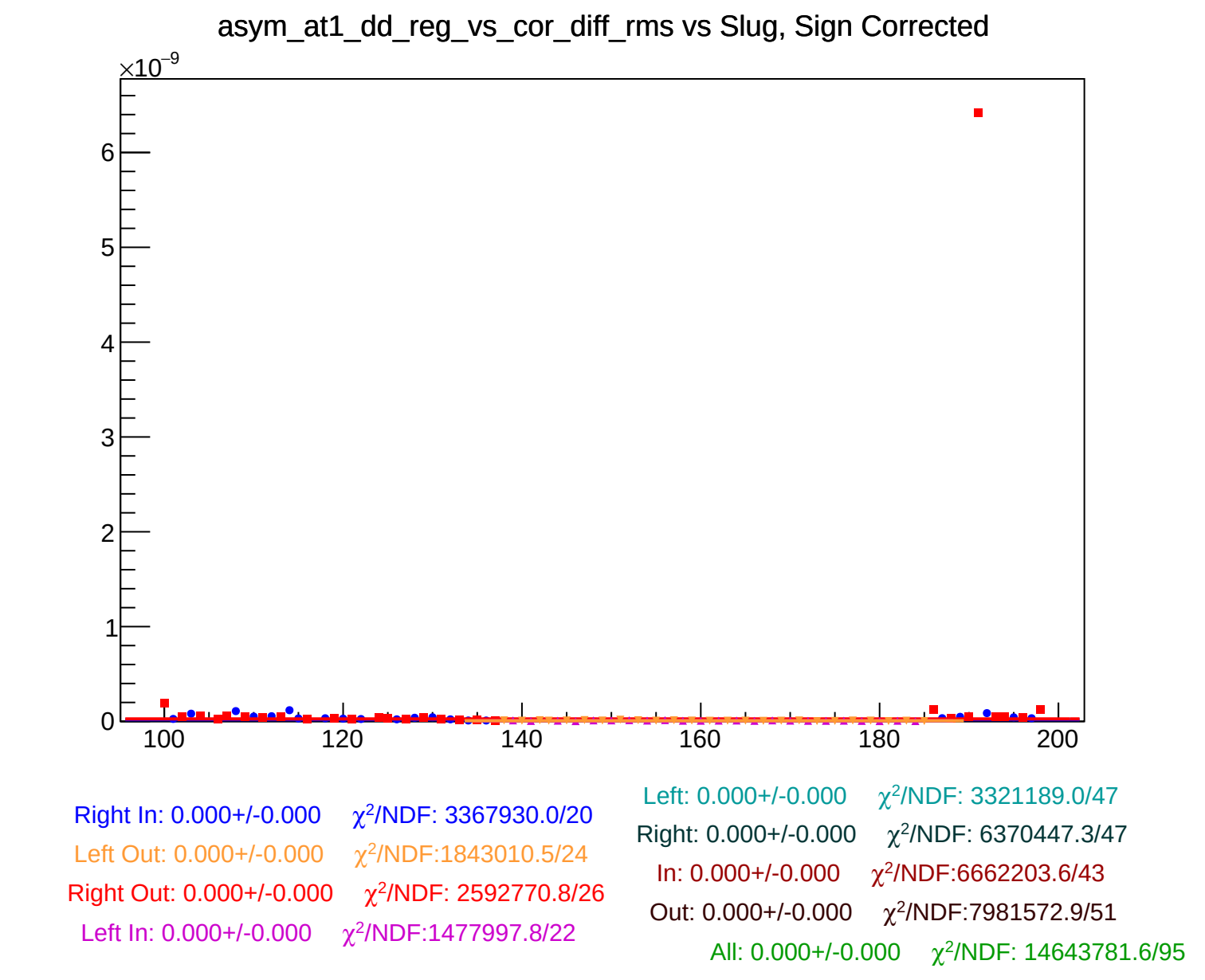
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

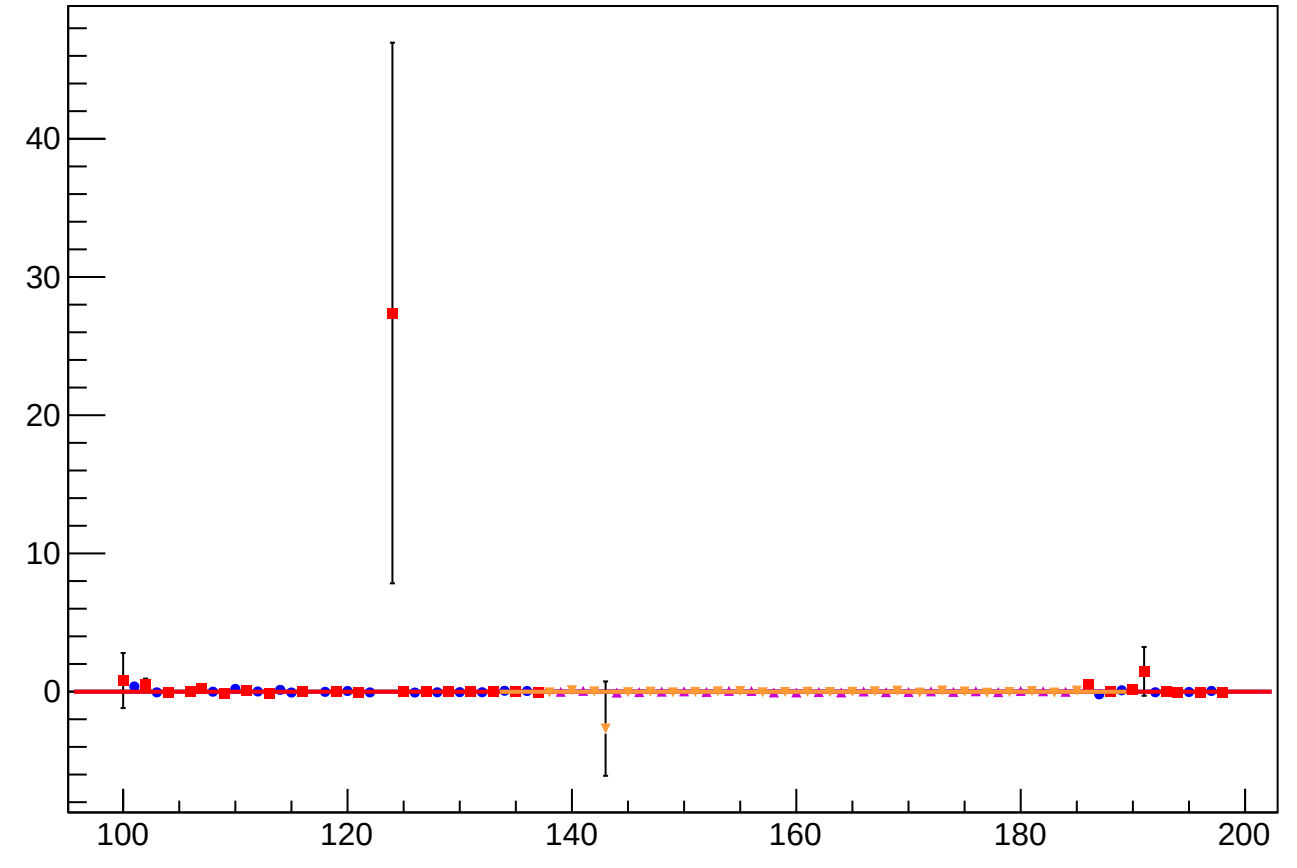
Right: 0.000+/-0.000 χ^2/NDF: 48.8/47

In: -0.000+/-0.000 χ^2/NDF:39.6/43

Out: 0.000+/-0.000 χ^2/NDF:69.2/51

All: -0.000+/-0.000 χ^2/NDF: 110.9/95


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: 3367930.0/20
Left Out: 0.000+/-0.000 χ²/NDF:1843010.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 2592770.8/26
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: 6370447.3/47
In: 0.000+/-0.000 χ²/NDF:6662203.6/43
Out: 0.000+/-0.000 χ²/NDF:7981572.9/51
All: 0.000+/-0.000 χ²/NDF: 14643781.6/95



Right In: -0.000+/-0.013 χ^2/NDF: 24.4/20

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.006+/-0.013 χ^2/NDF: 25.3/26

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

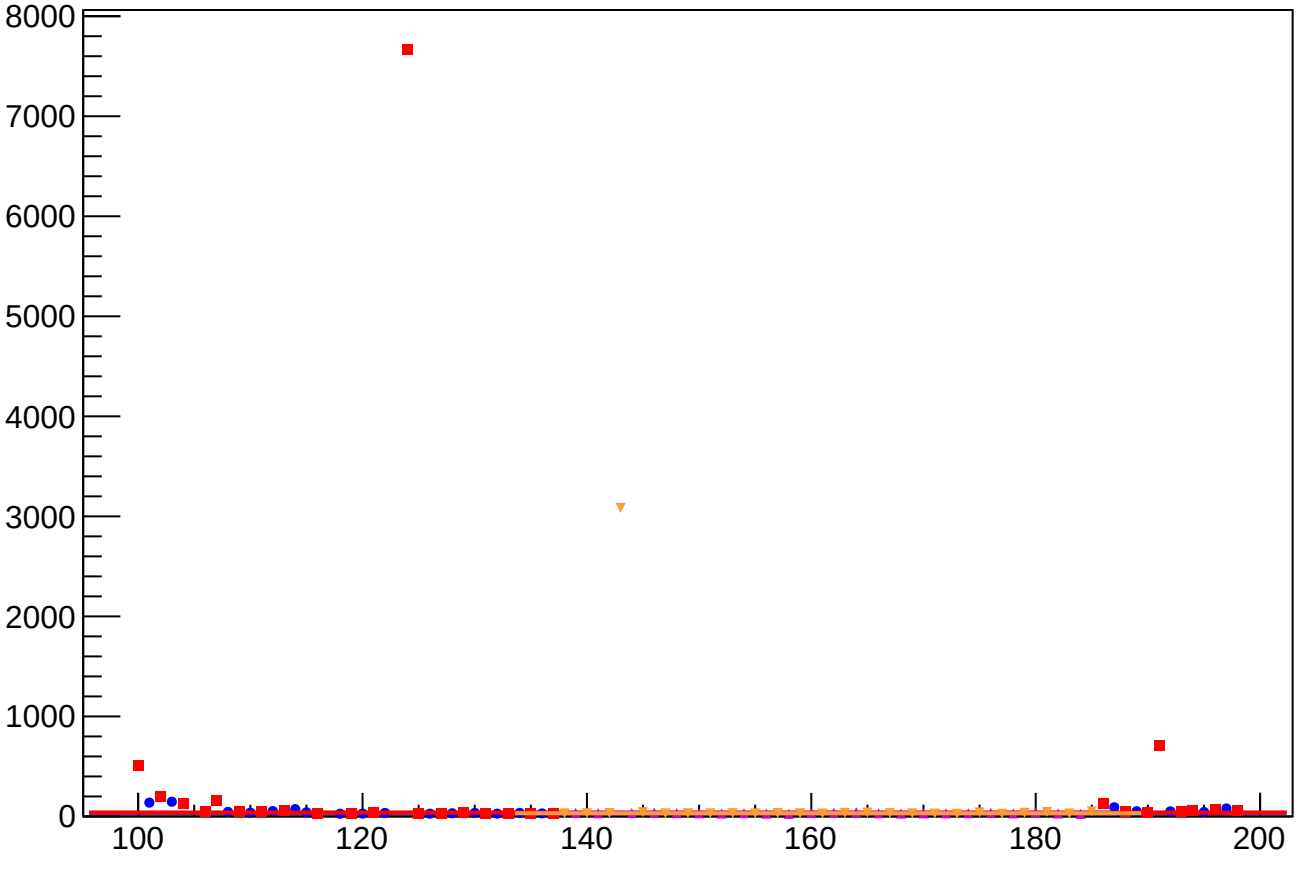
Right: -0.003+/-0.009 χ^2/NDF: 49.8/47

In: -0.003+/-0.007 χ^2/NDF:45.2/43

Out: -0.009+/-0.007 χ^2/NDF:64.9/51

All: -0.006+/-0.005 χ^2/NDF: 110.6/95

asym_at1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.327+/-0.010 χ^2/NDF: 2579448.0/20

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 38.145+/-0.009 χ^2/NDF: 3801500.3/26

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

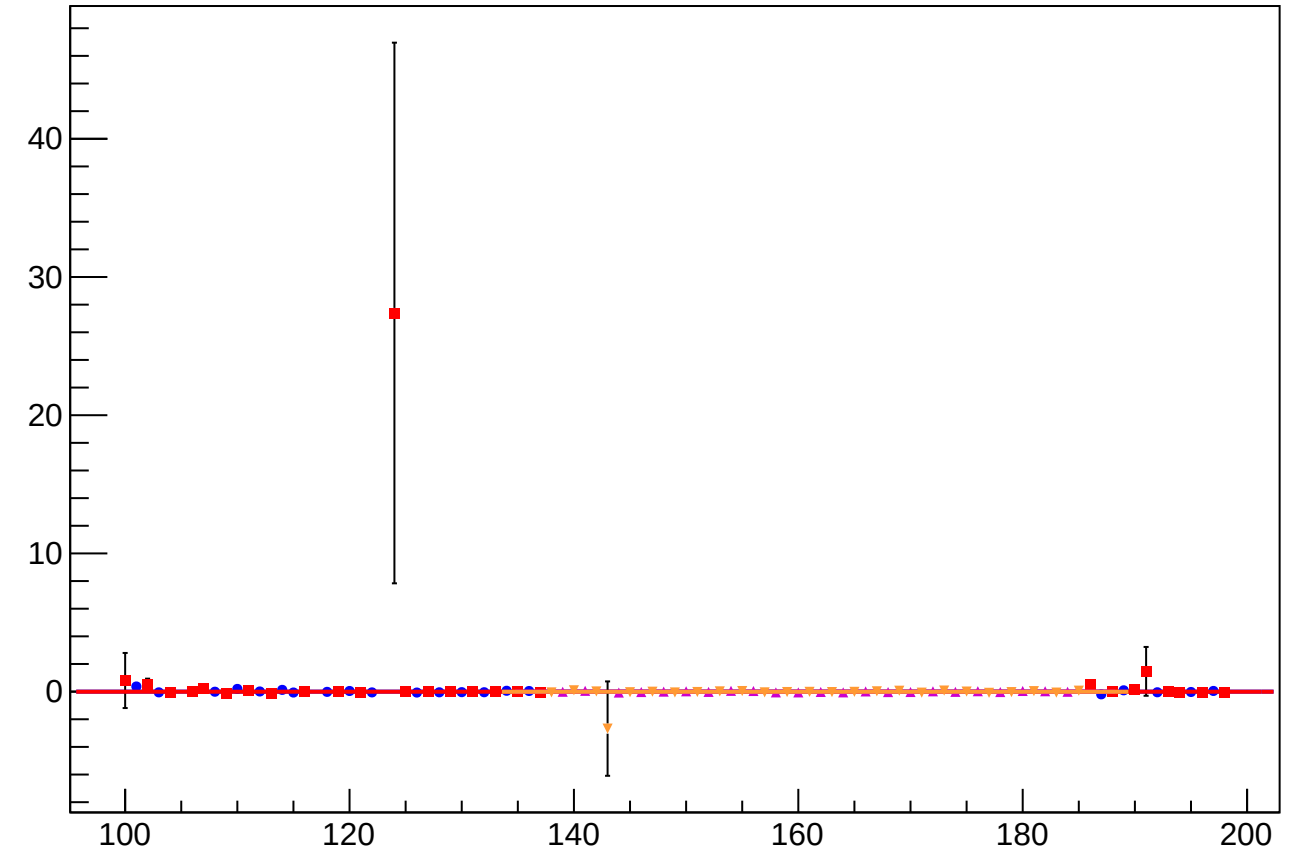
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 37.750+/-0.007 χ^2/NDF: 6384770.9/47

In: 33.770+/-0.005 χ^2/NDF:3198133.7/43

Out: 33.955+/-0.005 χ^2/NDF:6212944.4/51

All: 33.863+/-0.004 χ^2/NDF: 9411775.2/95



Right In: -0.000+/-0.013 χ^2/NDF: 24.4/20

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.006+/-0.013 χ^2/NDF: 25.3/26

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

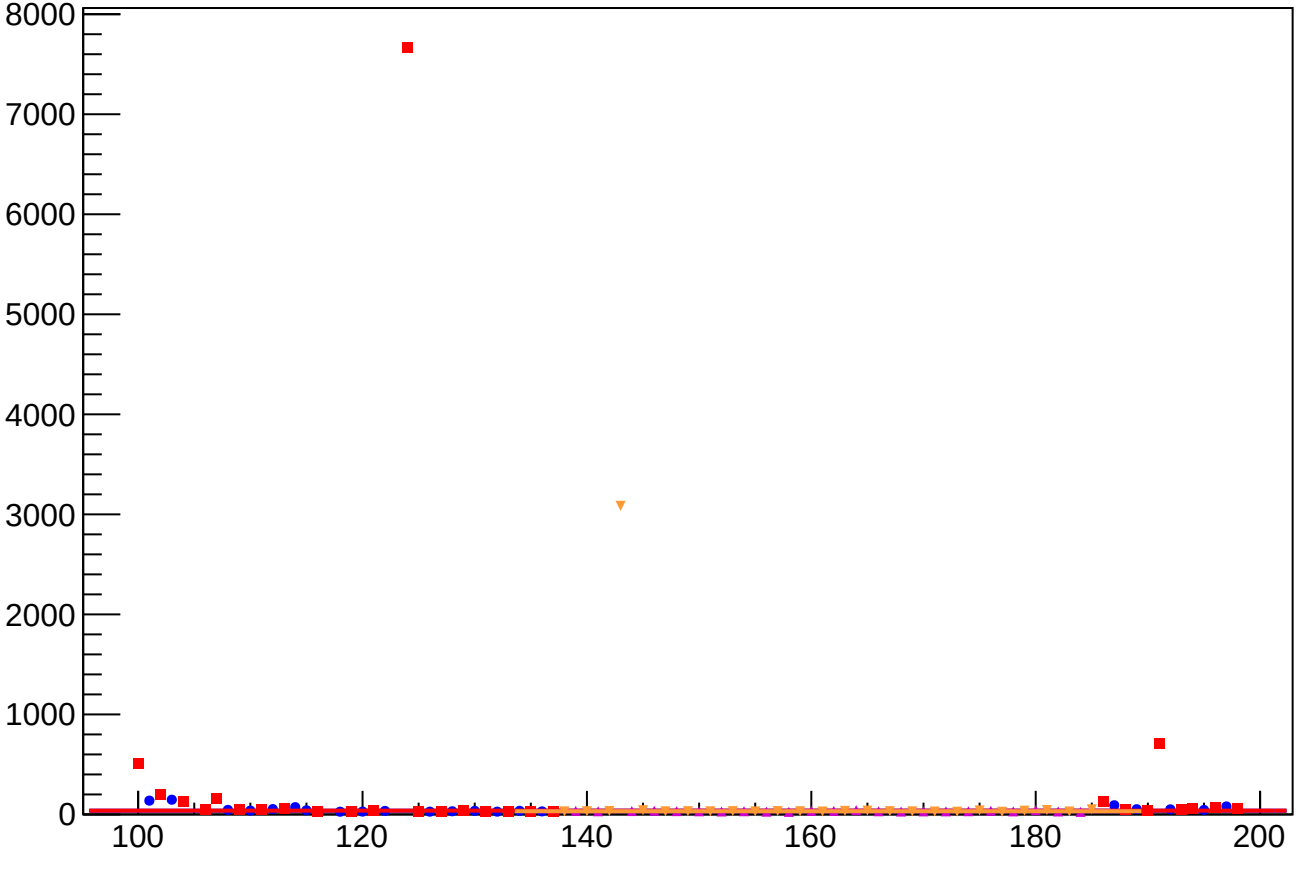
Right: -0.003+/-0.009 χ^2/NDF: 49.8/47

In: -0.003+/-0.007 χ^2/NDF:45.2/43

Out: -0.009+/-0.007 χ^2/NDF:64.9/51

All: -0.006+/-0.005 χ^2/NDF: 110.6/95

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.327+/-0.010 χ^2/NDF: 2579448.0/20

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 38.145+/-0.009 χ^2/NDF: 3801500.3/26

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

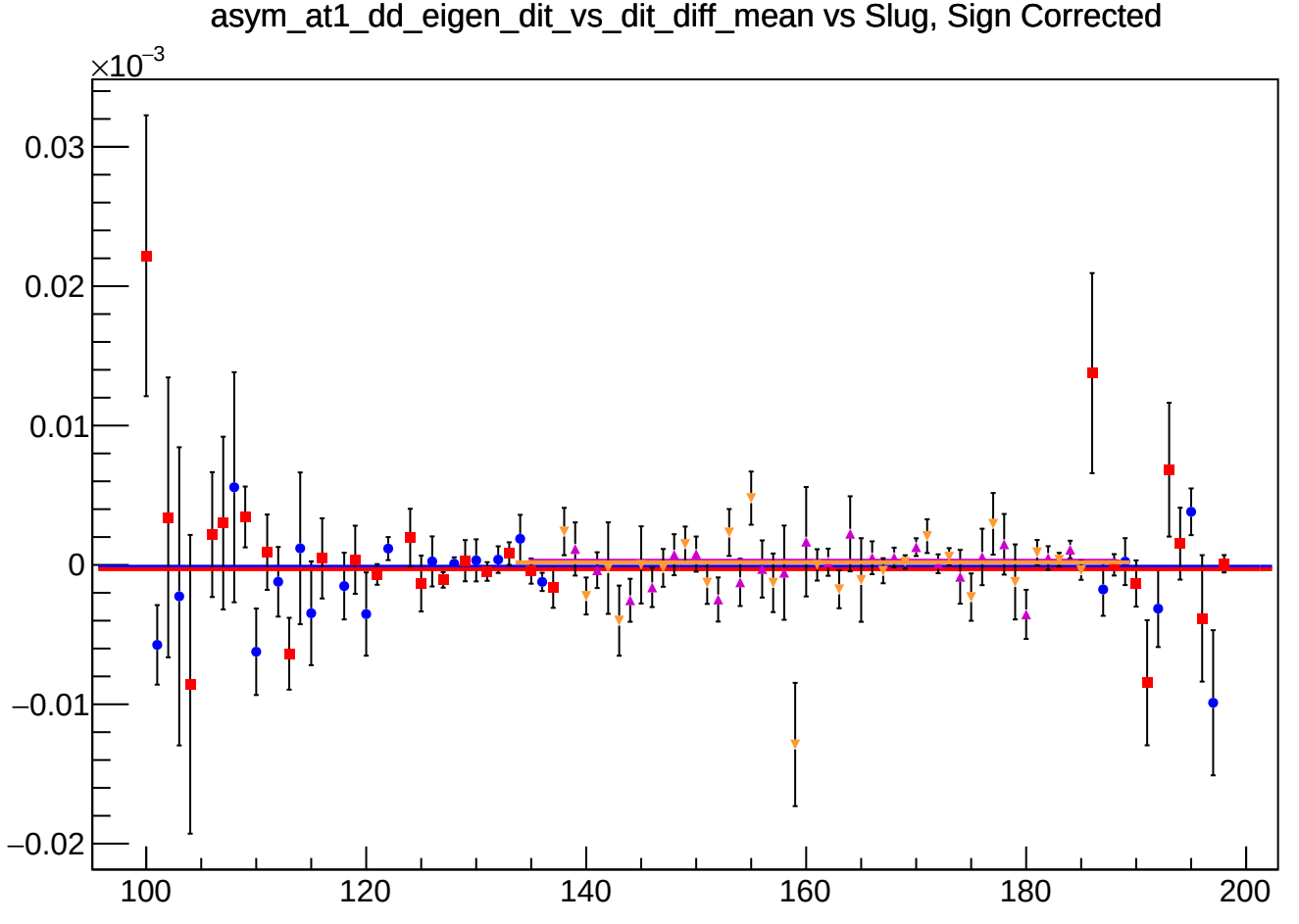
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 37.750+/-0.007 χ^2/NDF: 6384770.9/47

In: 33.770+/-0.005 χ^2/NDF:3198133.7/43

Out: 33.955+/-0.005 χ^2/NDF:6212944.4/51

All: 33.863+/-0.004 χ^2/NDF: 9411775.2/95



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.1/26

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

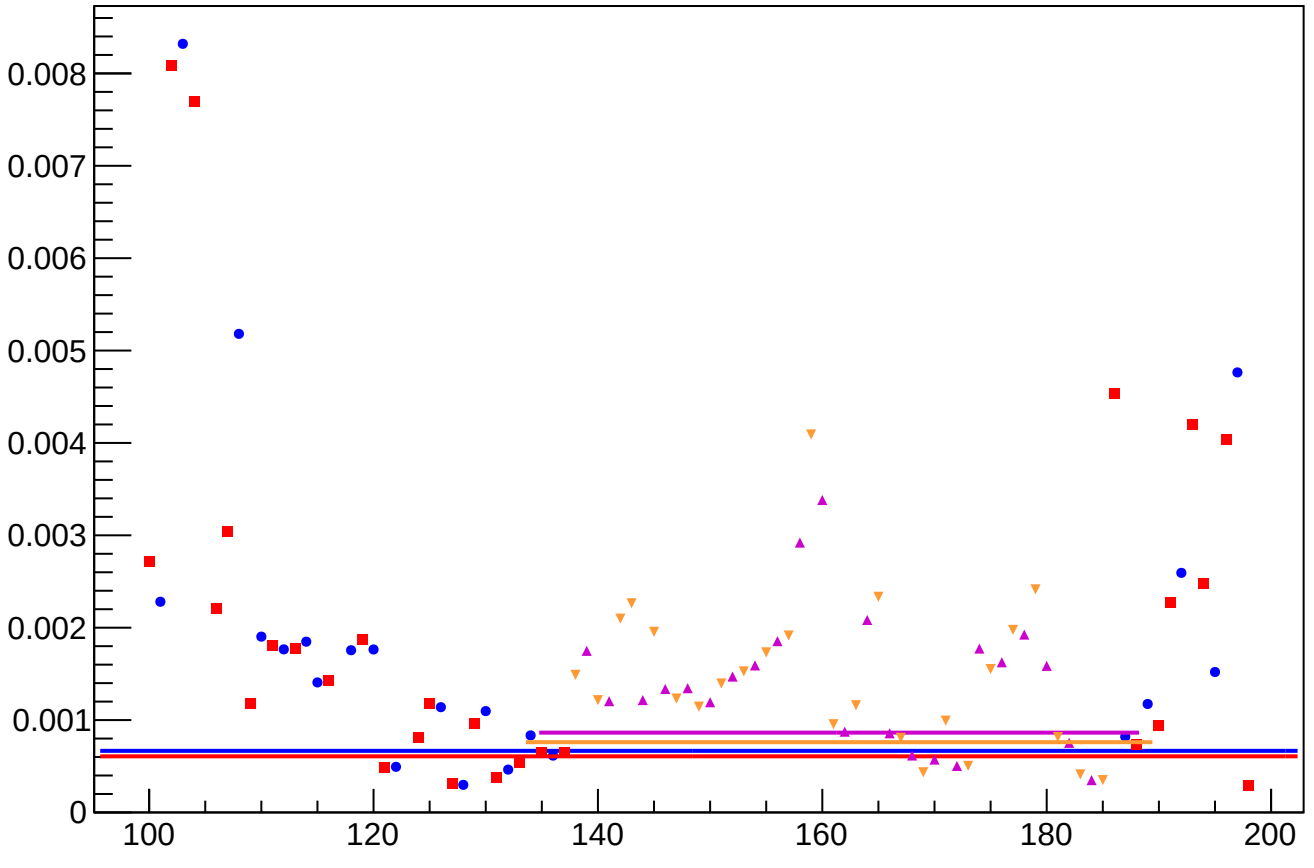
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 62.6/47

In: 0.000+/-0.000 χ^2/NDF:50.8/43

Out: -0.000+/-0.000 χ^2/NDF:73.0/51

All: 0.000+/-0.000 χ^2/NDF: 124.2/95



Right In: 0.001+/-0.000 χ^2/NDF: 8564884.4/20

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10271869.8/26

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

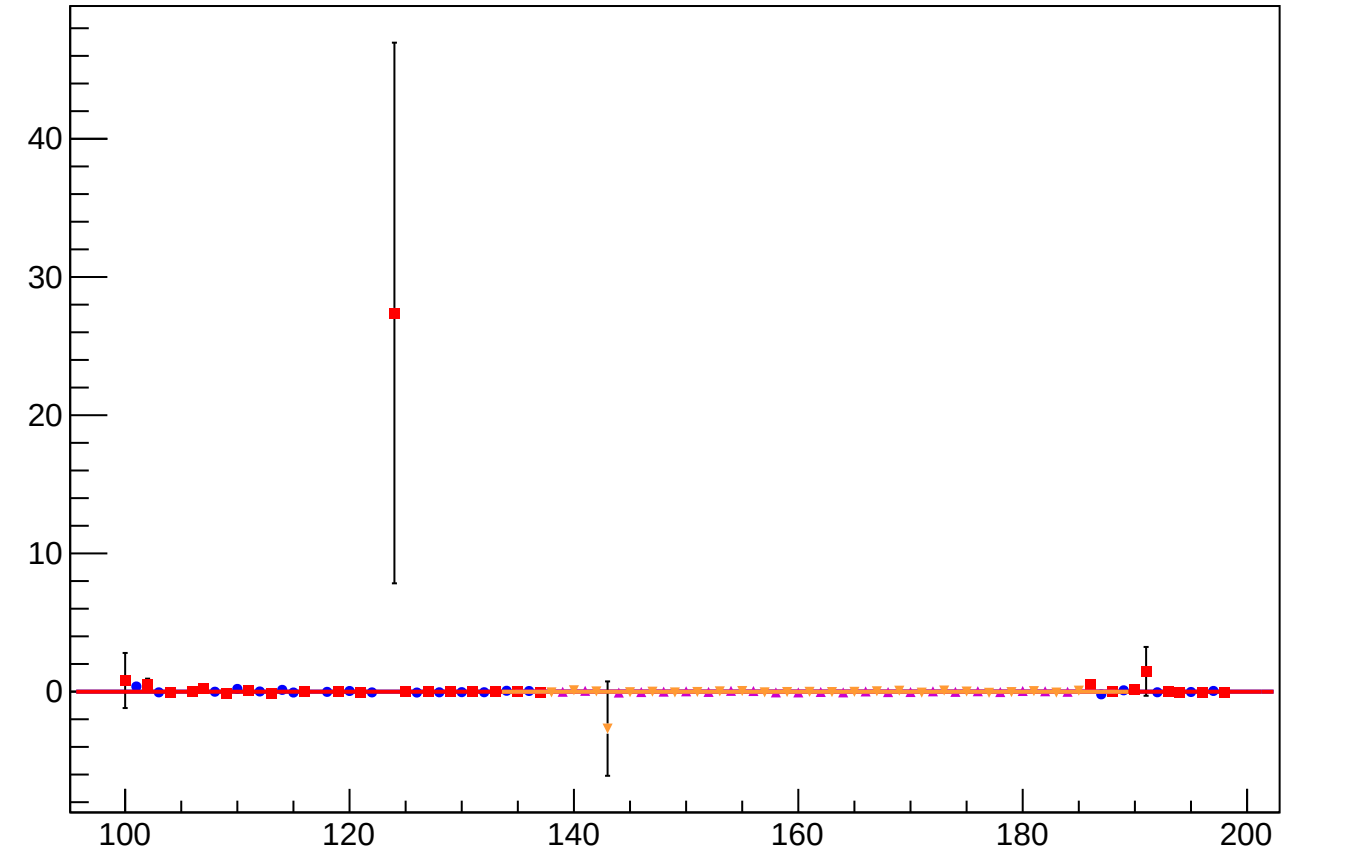
Left: 0.001+/-0.000 χ^2/NDF: 19733433.3/47

Right: 0.001+/-0.000 χ^2/NDF: 18888631.0/47

In: 0.001+/-0.000 χ^2/NDF:17576927.7/43

Out: 0.001+/-0.000 χ^2/NDF:21814375.1/51

All: 0.001+/-0.000 χ^2/NDF: 39650320.9/95



Right In: -0.000+/-0.013 χ^2/NDF: 24.4/20

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.006+/-0.013 χ^2/NDF: 25.3/26

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

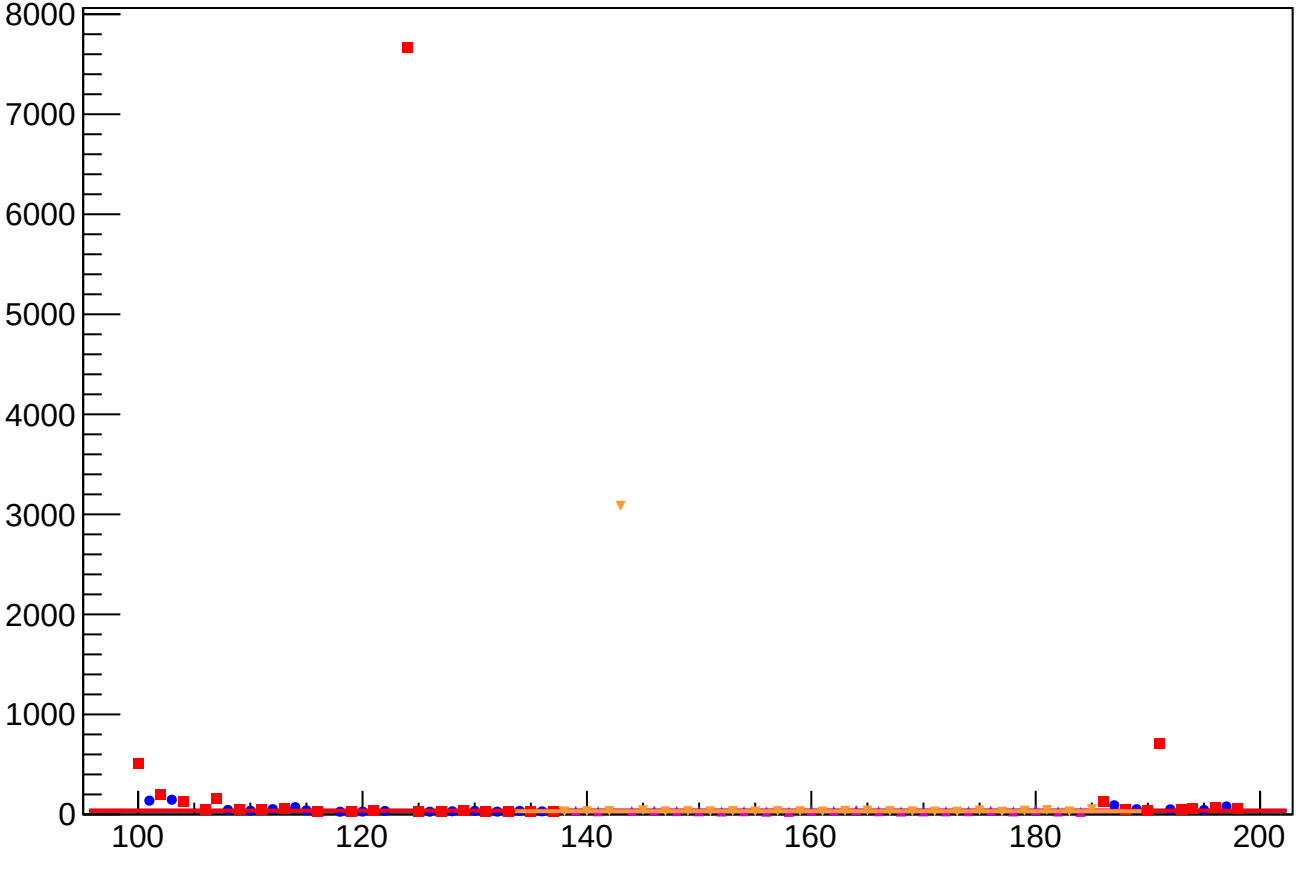
Right: -0.003+/-0.009 χ^2/NDF: 49.8/47

In: -0.003+/-0.007 χ^2/NDF:45.2/43

Out: -0.009+/-0.007 χ^2/NDF:64.9/51

All: -0.006+/-0.005 χ^2/NDF: 110.6/95

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.327+/-0.010 χ^2/NDF: 2579414.7/20

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 38.145+/-0.009 χ^2/NDF: 3801488.2/26

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

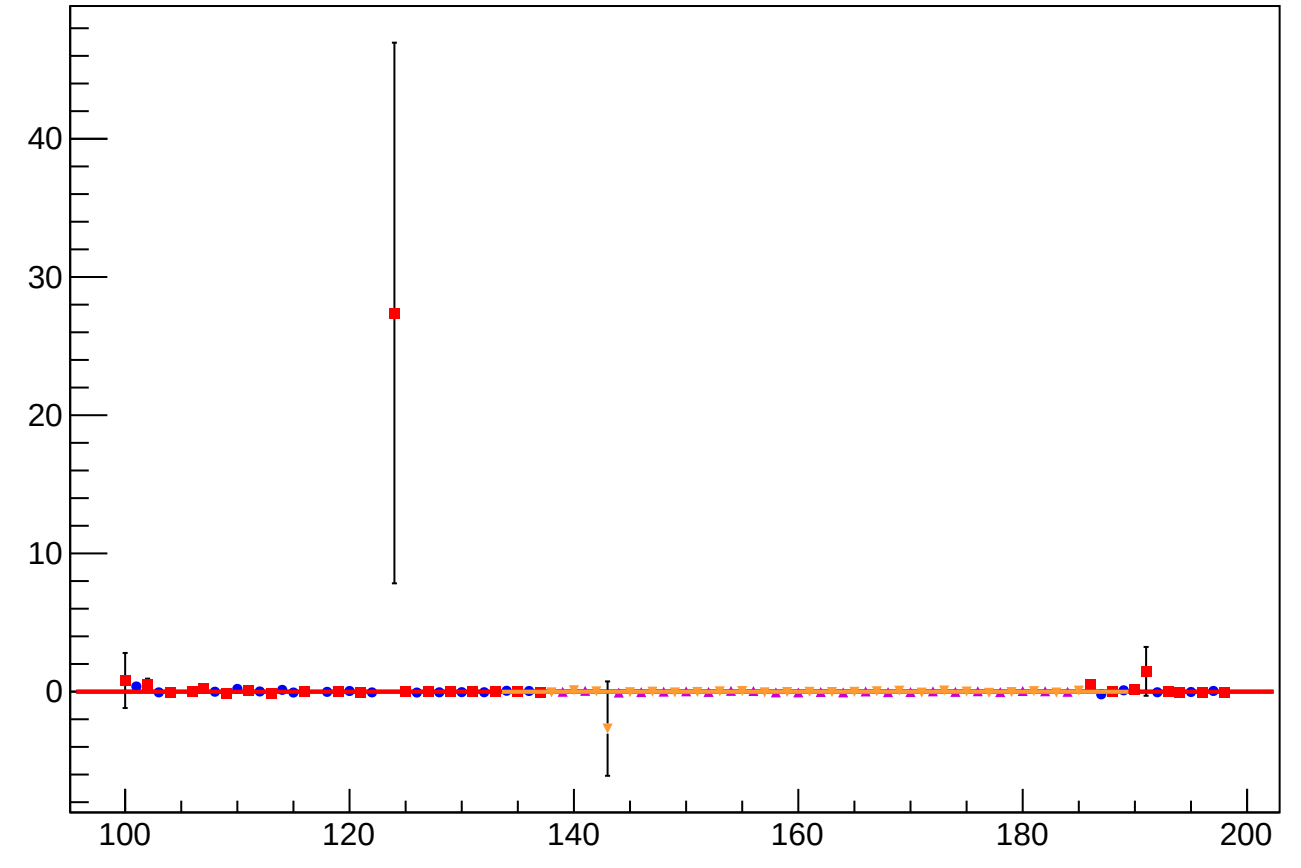
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 37.750+/-0.007 χ^2/NDF: 6384725.1/47

In: 33.770+/-0.005 χ^2/NDF:3197991.7/43

Out: 33.955+/-0.005 χ^2/NDF:6212972.0/51

All: 33.864+/-0.004 χ^2/NDF: 9411659.0/95



Right In: -0.000+/-0.013 χ^2/NDF: 24.4/20

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.006+/-0.013 χ^2/NDF: 25.3/26

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

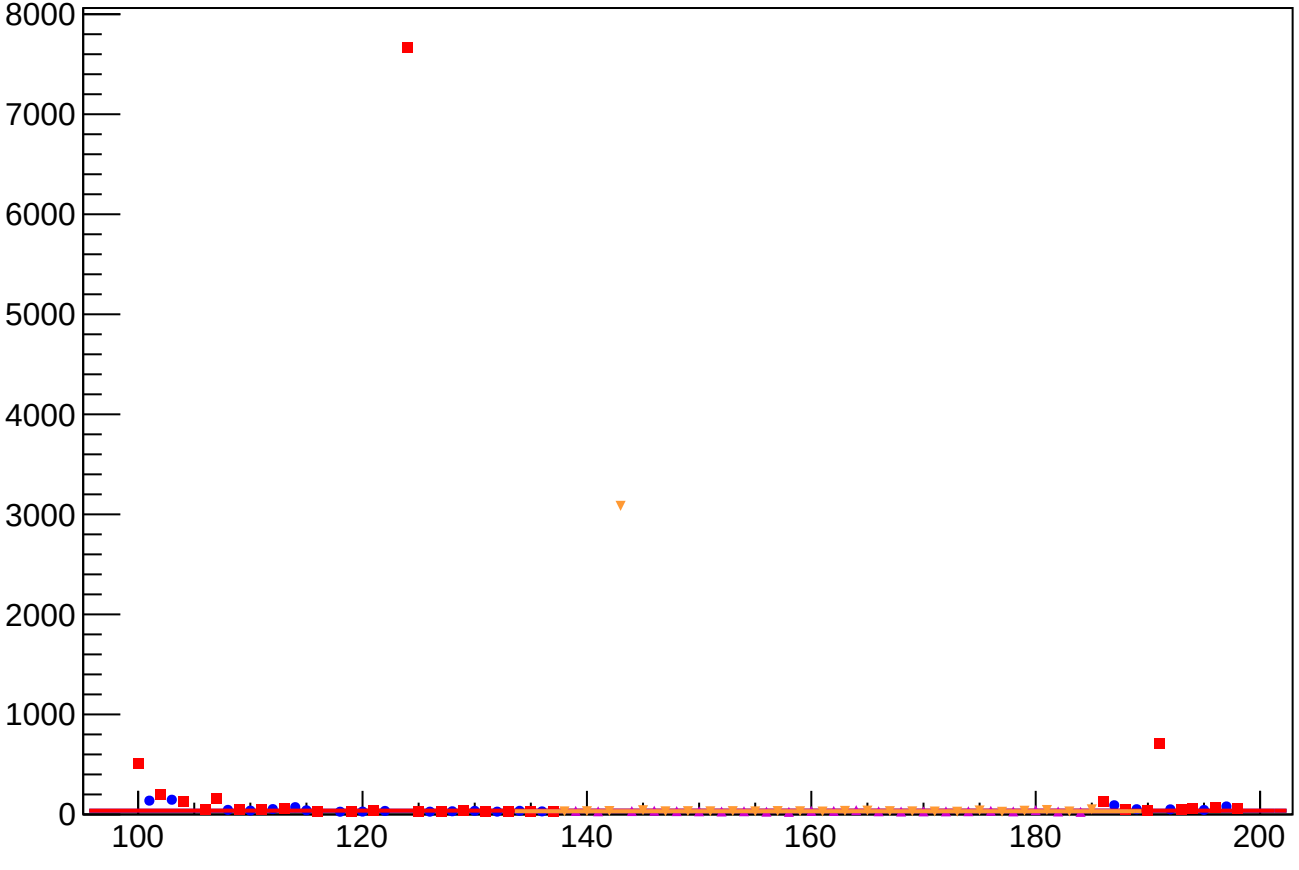
Right: -0.003+/-0.009 χ^2/NDF: 49.8/47

In: -0.003+/-0.007 χ^2/NDF:45.2/43

Out: -0.009+/-0.007 χ^2/NDF:64.9/51

All: -0.006+/-0.005 χ^2/NDF: 110.6/95

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.327+/-0.010 χ^2/NDF: 2579414.7/20

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 38.145+/-0.009 χ^2/NDF: 3801488.2/26

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

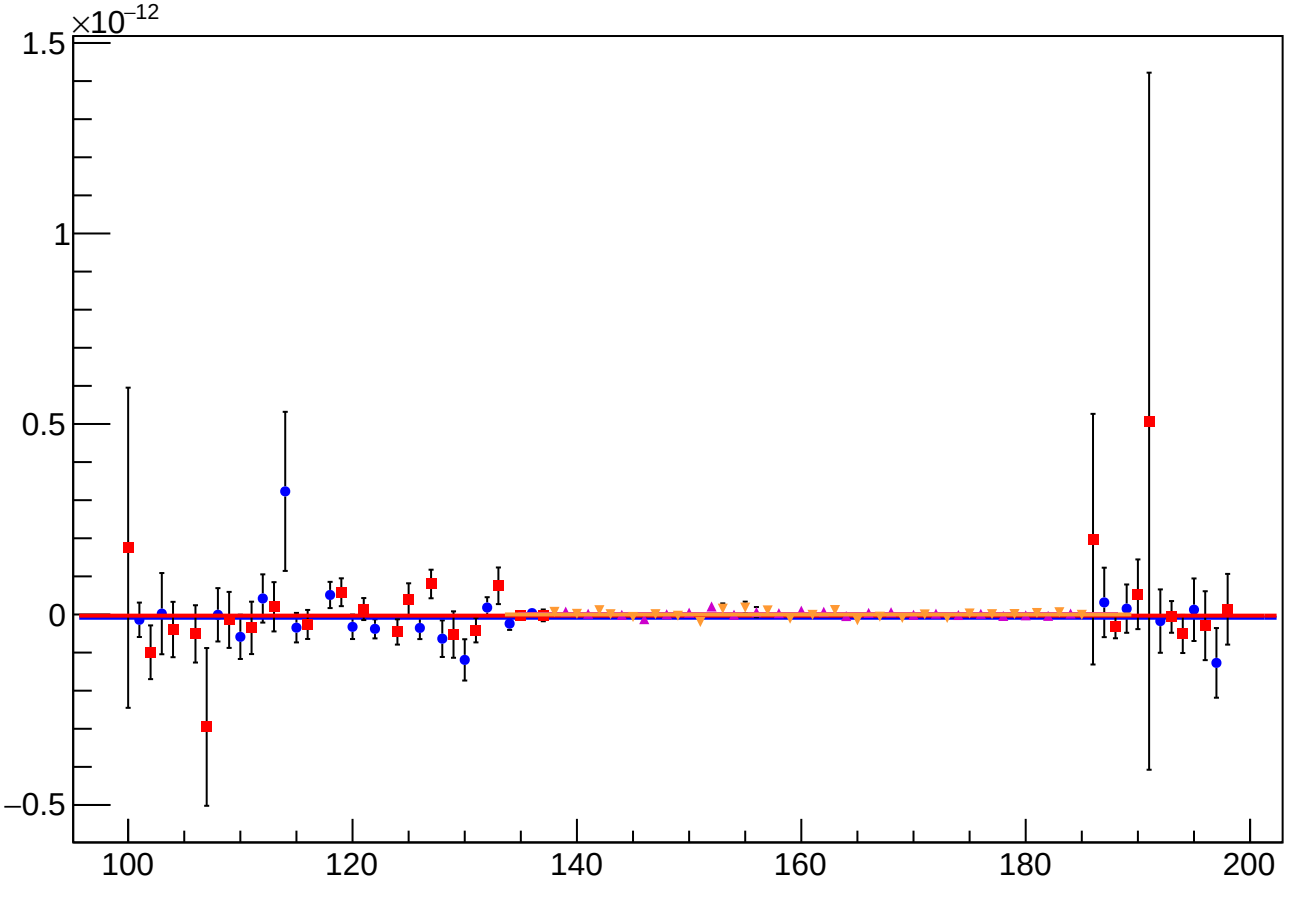
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 37.750+/-0.007 χ^2/NDF: 6384725.1/47

In: 33.770+/-0.005 χ^2/NDF:3197991.7/43

Out: 33.955+/-0.005 χ^2/NDF:6212972.0/51

All: 33.864+/-0.004 χ^2/NDF: 9411659.0/95



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/26

Left In: 0.000+/-0.000 χ^2/NDF:9.2/22

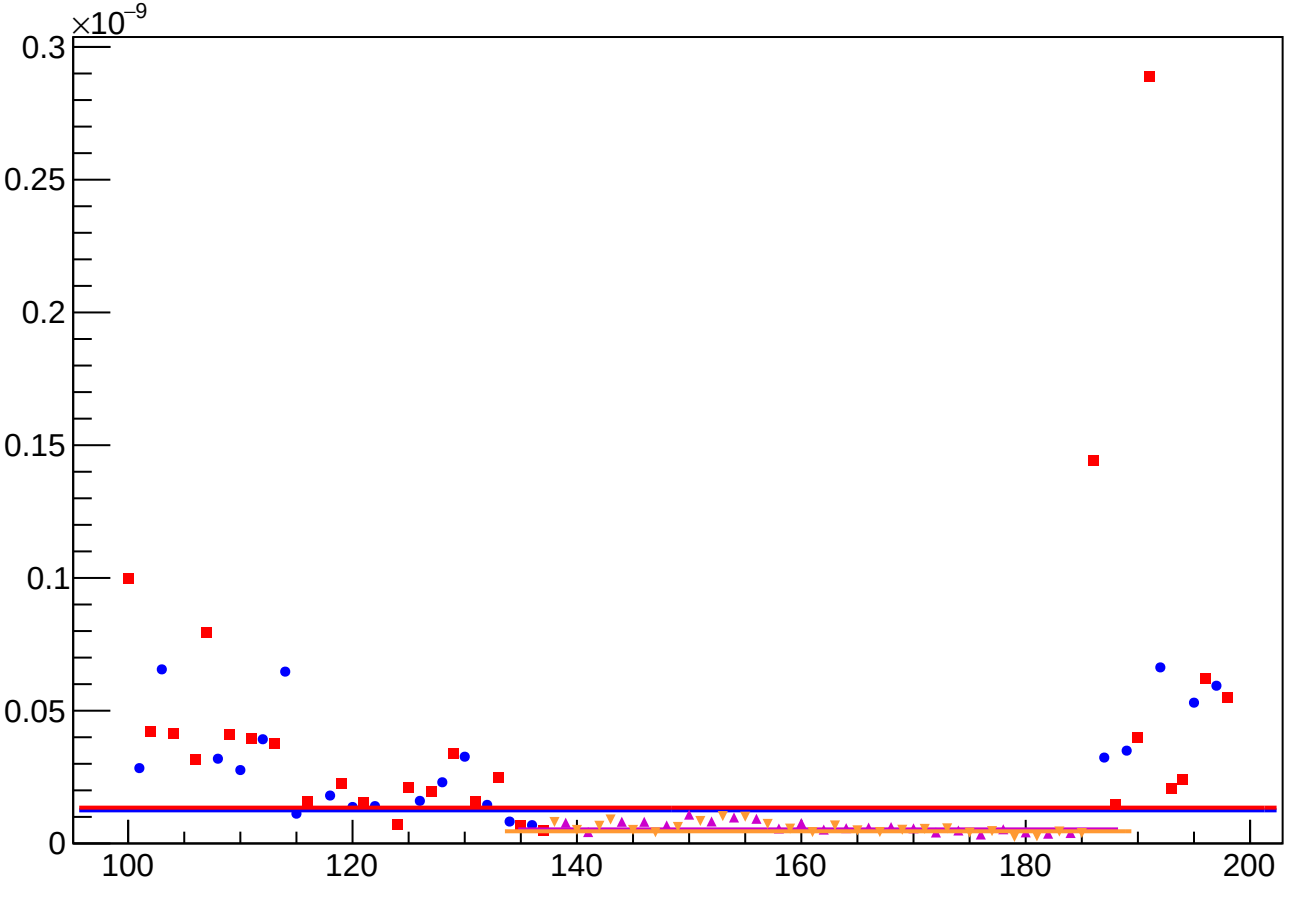
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 45.7/47

In: 0.000+/-0.000 χ^2/NDF:32.7/43

Out: -0.000+/-0.000 χ^2/NDF:45.3/51

All: 0.000+/-0.000 χ^2/NDF: 78.1/95



Right In: 0.000+/-0.000 χ^2/NDF: 5075489.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5621735.0/26

Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5240558.3/47

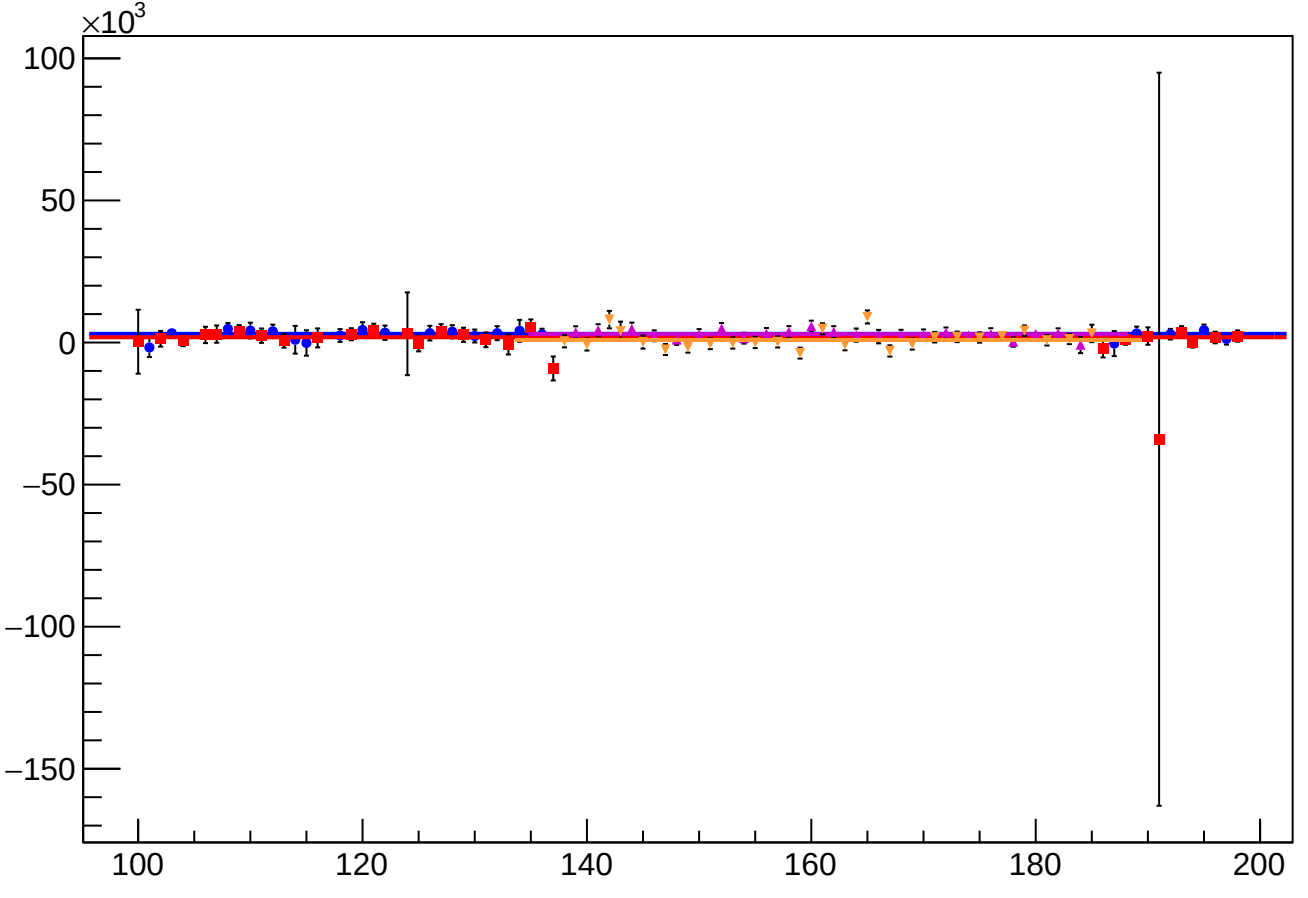
Right: 0.000+/-0.000 χ^2/NDF: 10721573.2/47

In: 0.000+/-0.000 χ^2/NDF:9733816.8/43

Out: 0.000+/-0.000 χ^2/NDF:11679945.4/51

All: 0.000+/-0.000 χ^2/NDF: 21681795.0/95

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3059.024+/-531.024 χ^2/NDF: 6.1/20

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: 1841.092+/-495.976 χ^2/NDF: 17.9/26

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

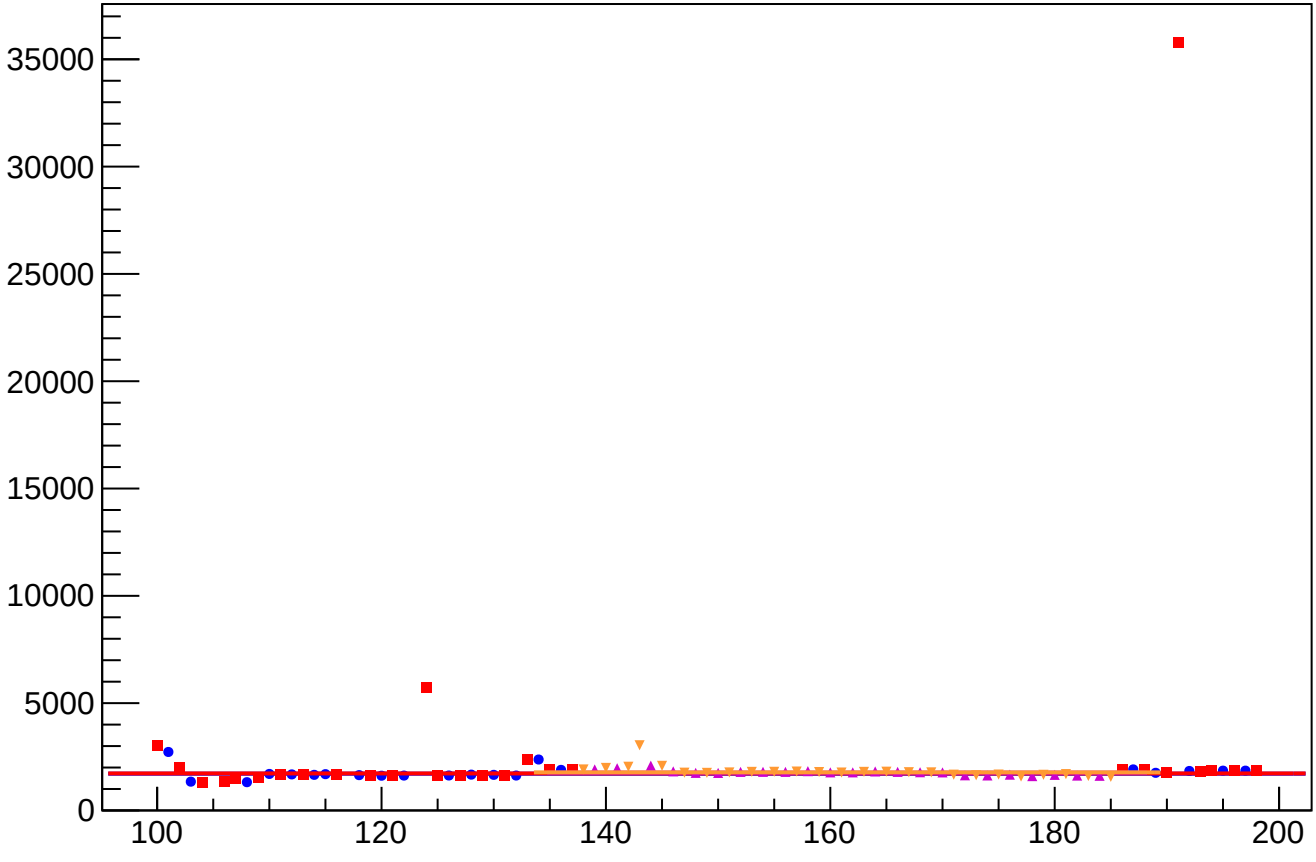
Right: 2408.543+/-362.465 χ^2/NDF: 26.9/47

In: 2986.785+/-325.550 χ^2/NDF:16.7/43

Out: 1276.434+/-313.951 χ^2/NDF:65.3/51

All: 2100.600+/-225.986 χ^2/NDF: 96.4/95

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1712.334+/-0.375 χ^2/NDF: 462396.6/20

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1724.568+/-0.351 χ^2/NDF: 660628.3/26

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

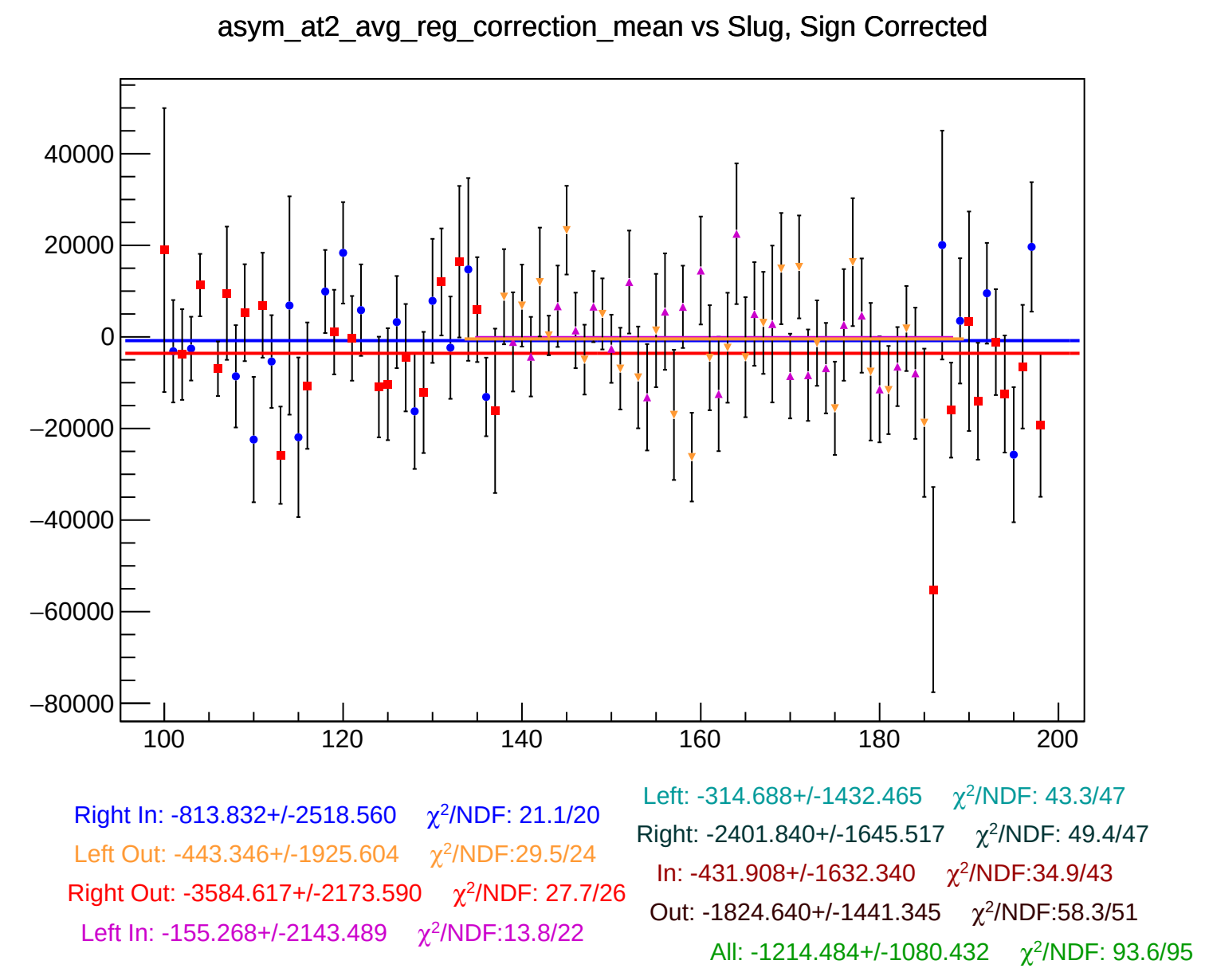
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

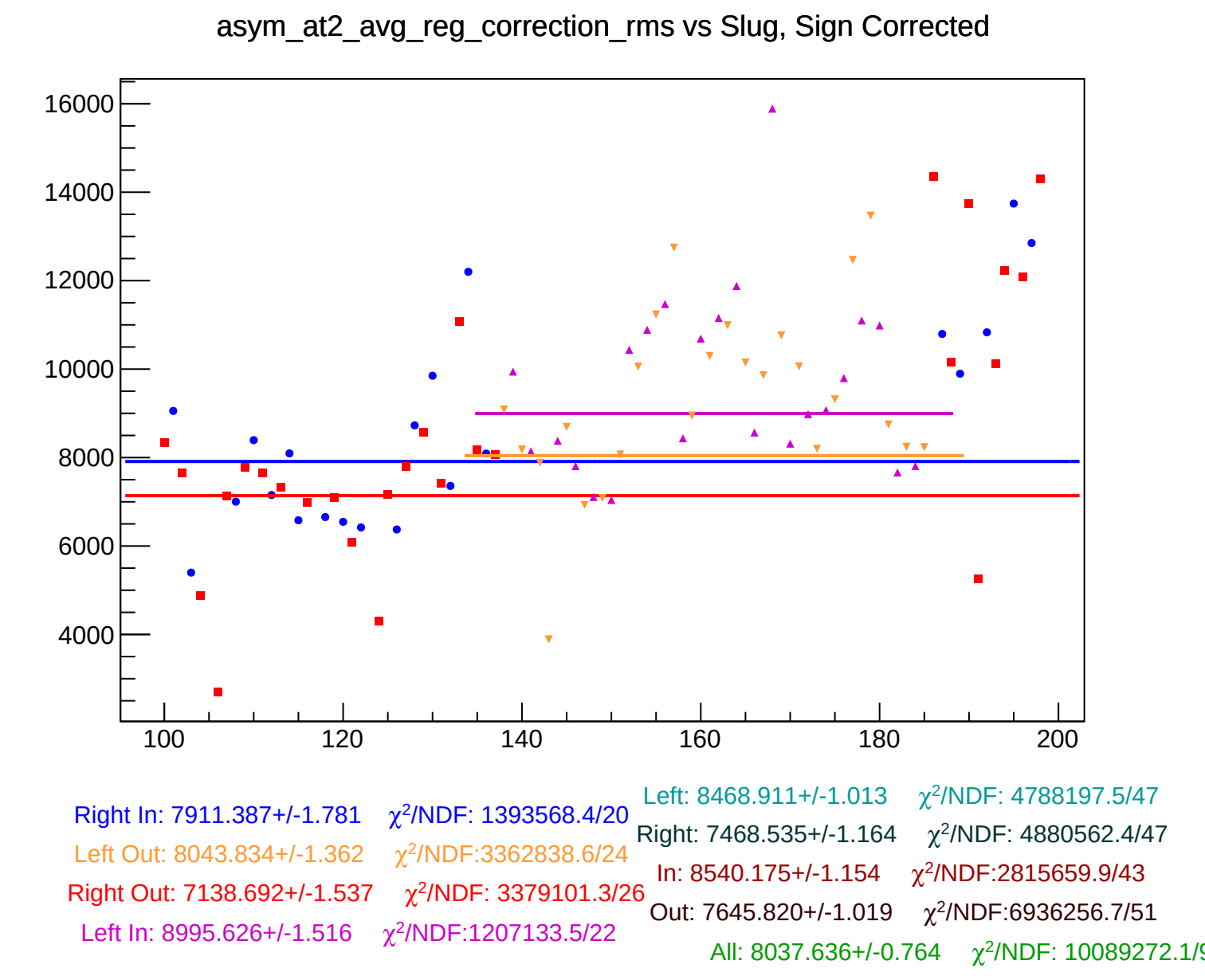
Right: 1718.868+/-0.256 χ^2/NDF: 1123591.9/47

In: 1742.765+/-0.230 χ^2/NDF:619185.8/43

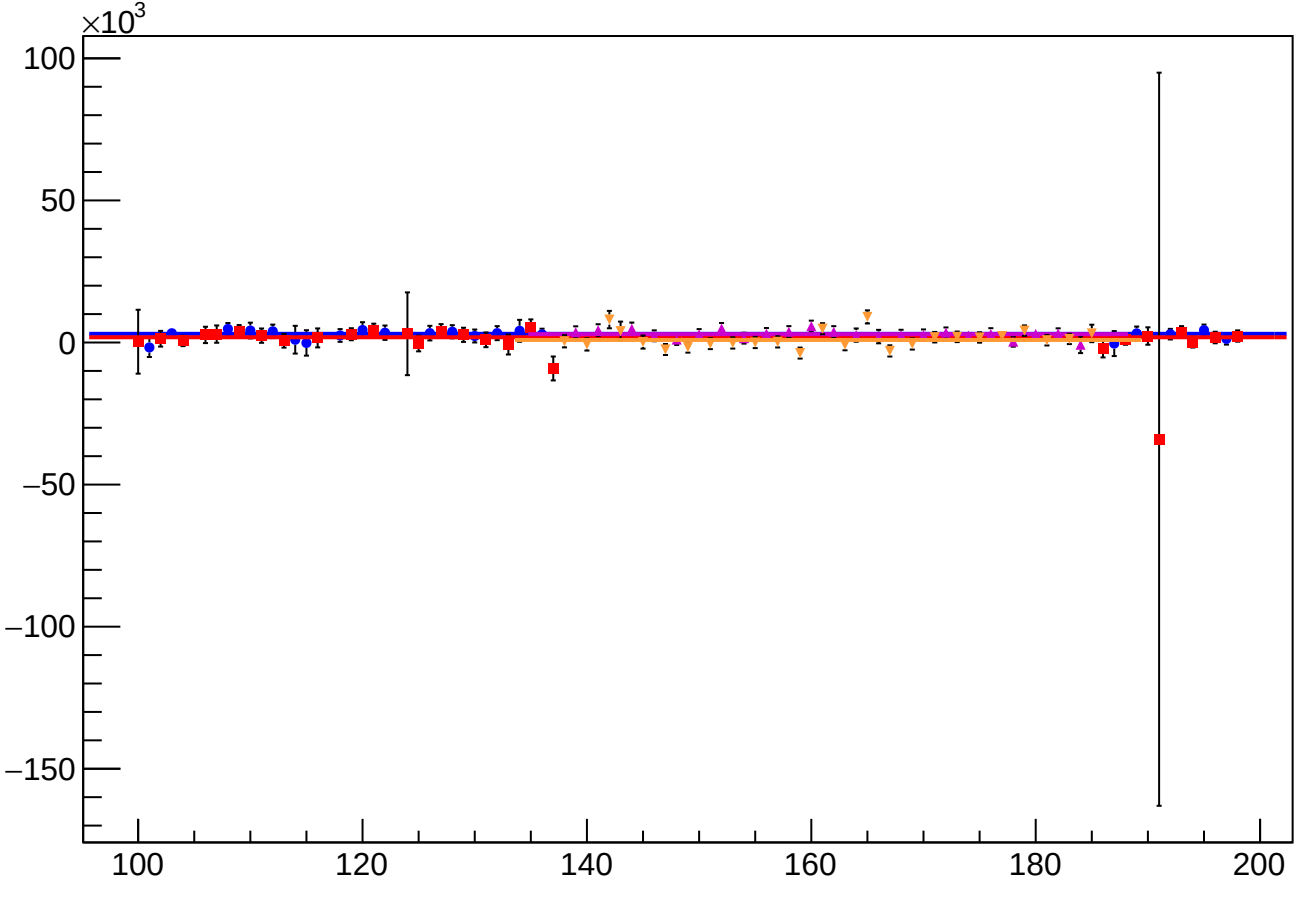
Out: 1754.631+/-0.222 χ^2/NDF:1119784.9/51

All: 1748.913+/-0.160 χ^2/NDF: 1740347.6/95


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: -813.832+/-2518.560 χ²/NDF: 21.1/20
Left Out: -443.346+/-1925.604 χ²/NDF:29.5/24
Right Out: -3584.617+/-2173.590 χ²/NDF: 27.7/26
Left In: -155.268+/-2143.489 χ²/NDF:13.8/22
Left: -314.688+/-1432.465 χ²/NDF: 43.3/47
Right: -2401.840+/-1645.517 χ²/NDF: 49.4/47
In: -431.908+/-1632.340 χ²/NDF:34.9/43
Out: -1824.640+/-1441.345 χ²/NDF:58.3/51
All: -1214.484+/-1080.432 χ²/NDF: 93.6/95


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: 7911.387+/-1.781 χ²/NDF: 1393568.4/20
Left Out: 8043.834+/-1.362 χ²/NDF:3362838.6/24
Right Out: 7138.692+/-1.537 χ²/NDF: 3379101.3/26
Left In: 8995.626+/-1.516 χ²/NDF:1207133.5/22
Left: 8468.911+/-1.013 χ²/NDF: 4788197.5/47
Right: 7468.535+/-1.164 χ²/NDF: 4880562.4/47
In: 8540.175+/-1.154 χ²/NDF:2815659.9/43
Out: 7645.820+/-1.019 χ²/NDF:6936256.7/51
All: 8037.636+/-0.764 χ²/NDF: 10089272.1/9

cor_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3059.132+/-531.024 χ^2/NDF: 6.1/20

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1840.979+/-495.976 χ^2/NDF: 17.9/26

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

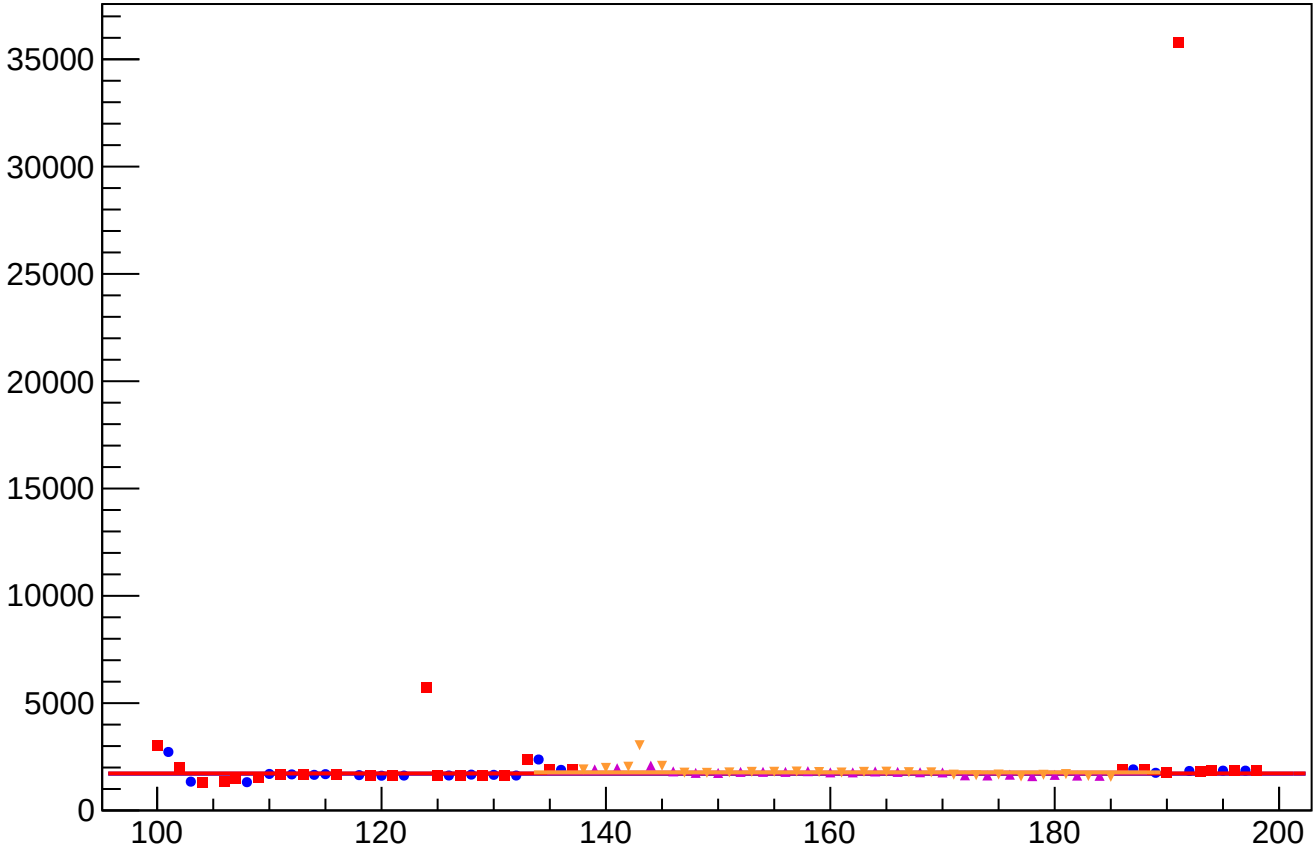
Right: 2408.533+/-362.465 χ^2/NDF: 26.9/47

In: 2986.755+/-325.550 χ^2/NDF:16.7/43

Out: 1276.341+/-313.951 χ^2/NDF:65.3/51

All: 2100.537+/-225.986 χ^2/NDF: 96.4/95

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1712.334+/-0.375 χ^2/NDF: 462397.0/20

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1724.568+/-0.351 χ^2/NDF: 660628.5/26

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

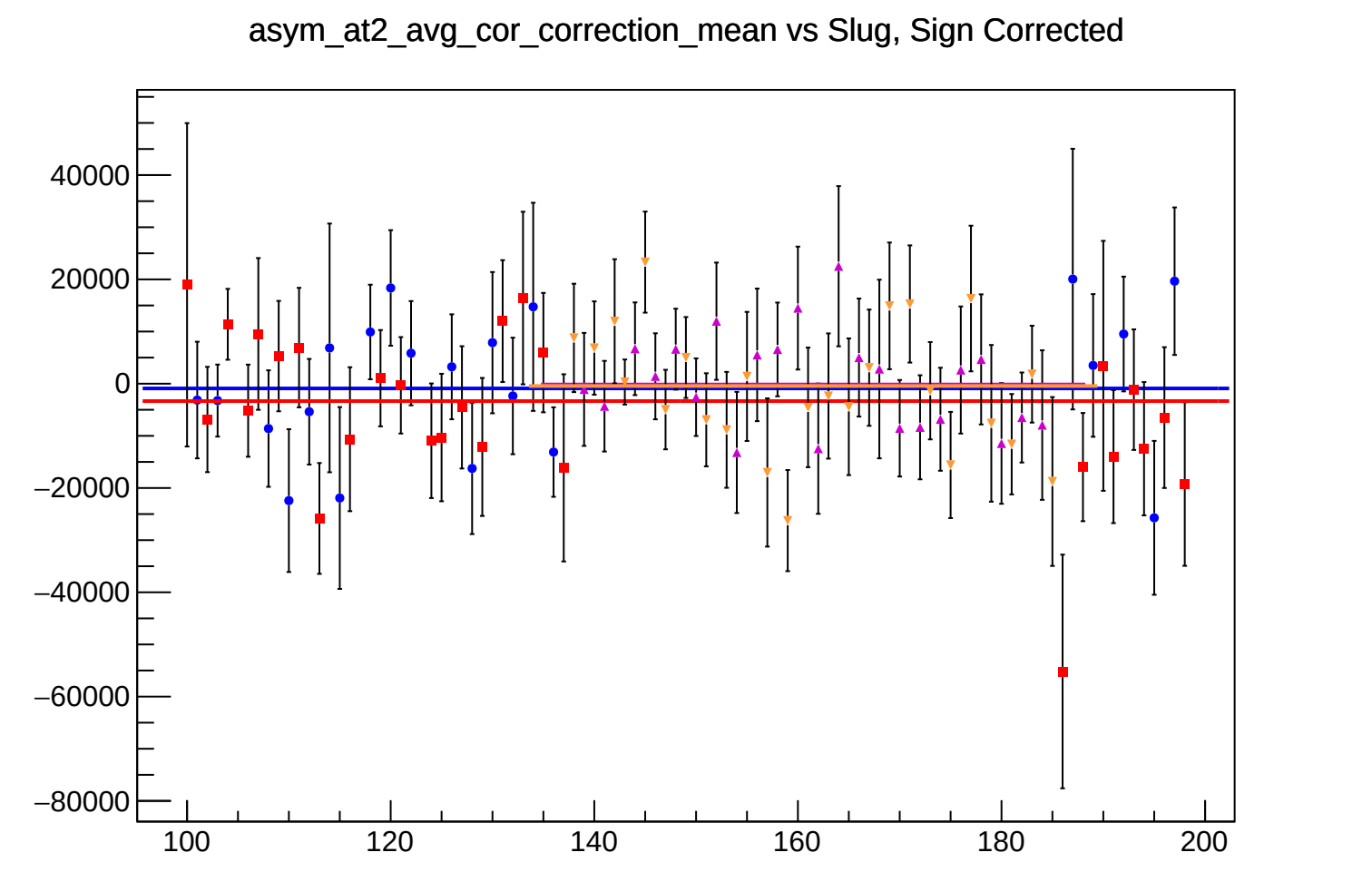
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1718.868+/-0.256 χ^2/NDF: 1123592.5/47

In: 1742.765+/-0.230 χ^2/NDF:619186.2/43

Out: 1754.631+/-0.222 χ^2/NDF:1119785.2/51

All: 1748.913+/-0.160 χ^2/NDF: 1740348.3/95



Right In: -907.977+/-2515.726 χ^2/NDF: 21.1/20

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -3337.807+/-2258.016 χ^2/NDF: 27.5/26

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

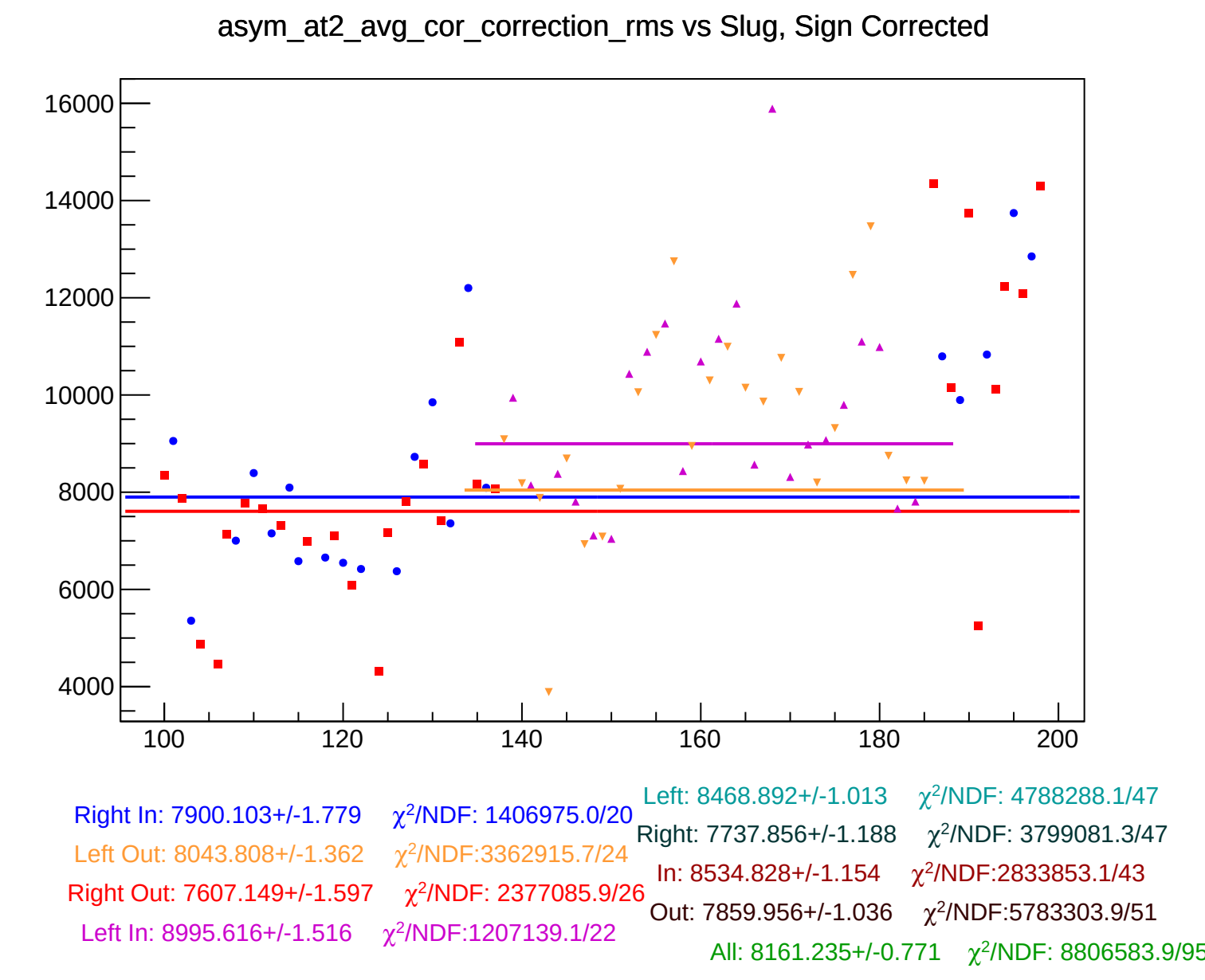
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

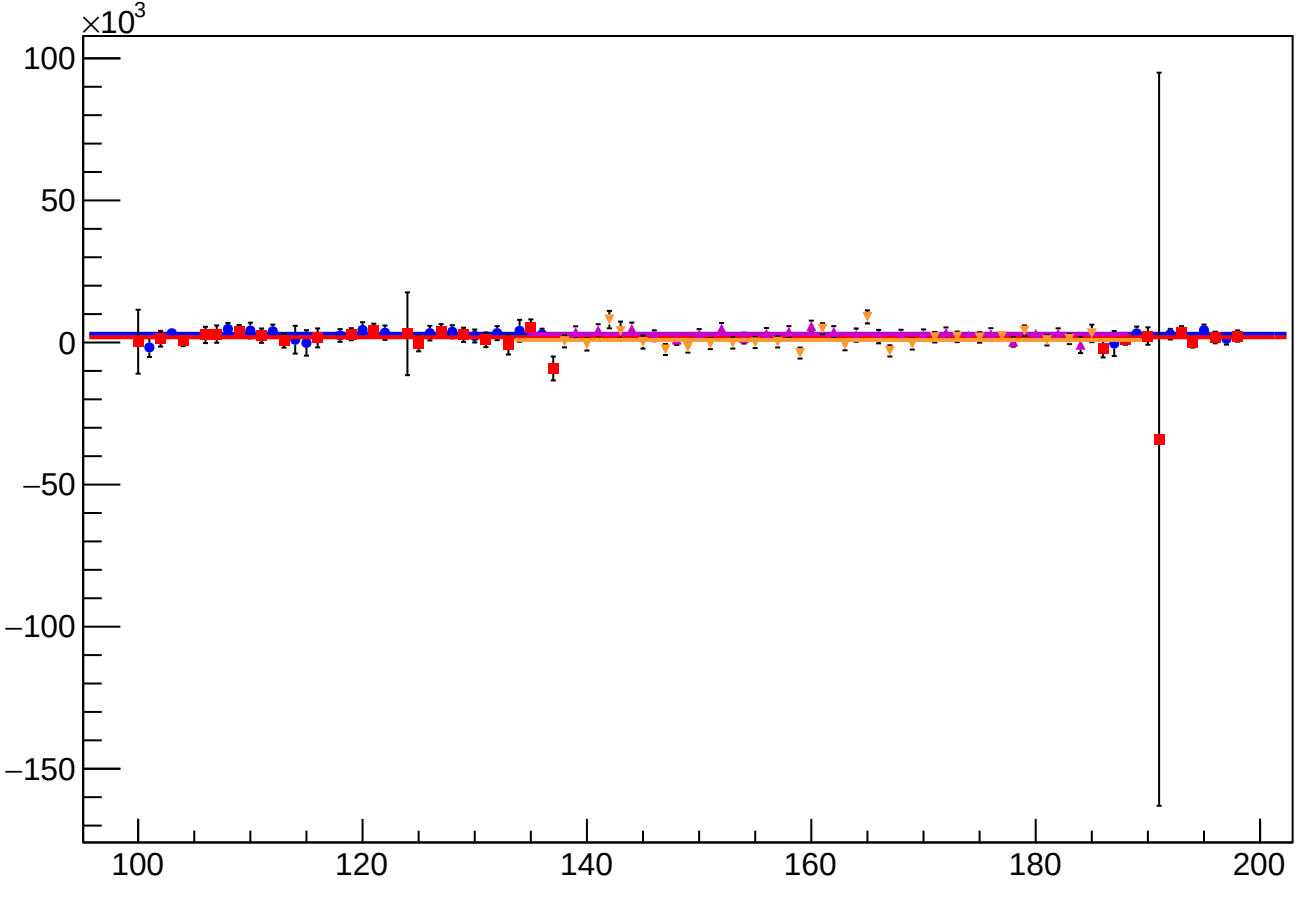
Right: -2253.685+/-1680.407 χ^2/NDF: 49.2/47

In: -471.851+/-1631.567 χ^2/NDF:35.0/43

Out: -1662.060+/-1465.176 χ^2/NDF:58.0/51

All: -1130.722+/-1090.131 χ^2/NDF: 93.3/95


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: 7900.103+/-1.779 χ²/NDF: 1406975.0/20
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 7607.149+/-1.597 χ²/NDF: 2377085.9/26
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 7737.856+/-1.188 χ²/NDF: 3799081.3/47
In: 8534.828+/-1.154 χ²/NDF:2833853.1/43
Out: 7859.956+/-1.036 χ²/NDF:5783303.9/51
All: 8161.235+/-0.771 χ²/NDF: 8806583.9/95



Right In: 3059.132+/-531.024 χ^2/NDF: 6.1/20

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1840.979+/-495.976 χ^2/NDF: 17.9/26

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

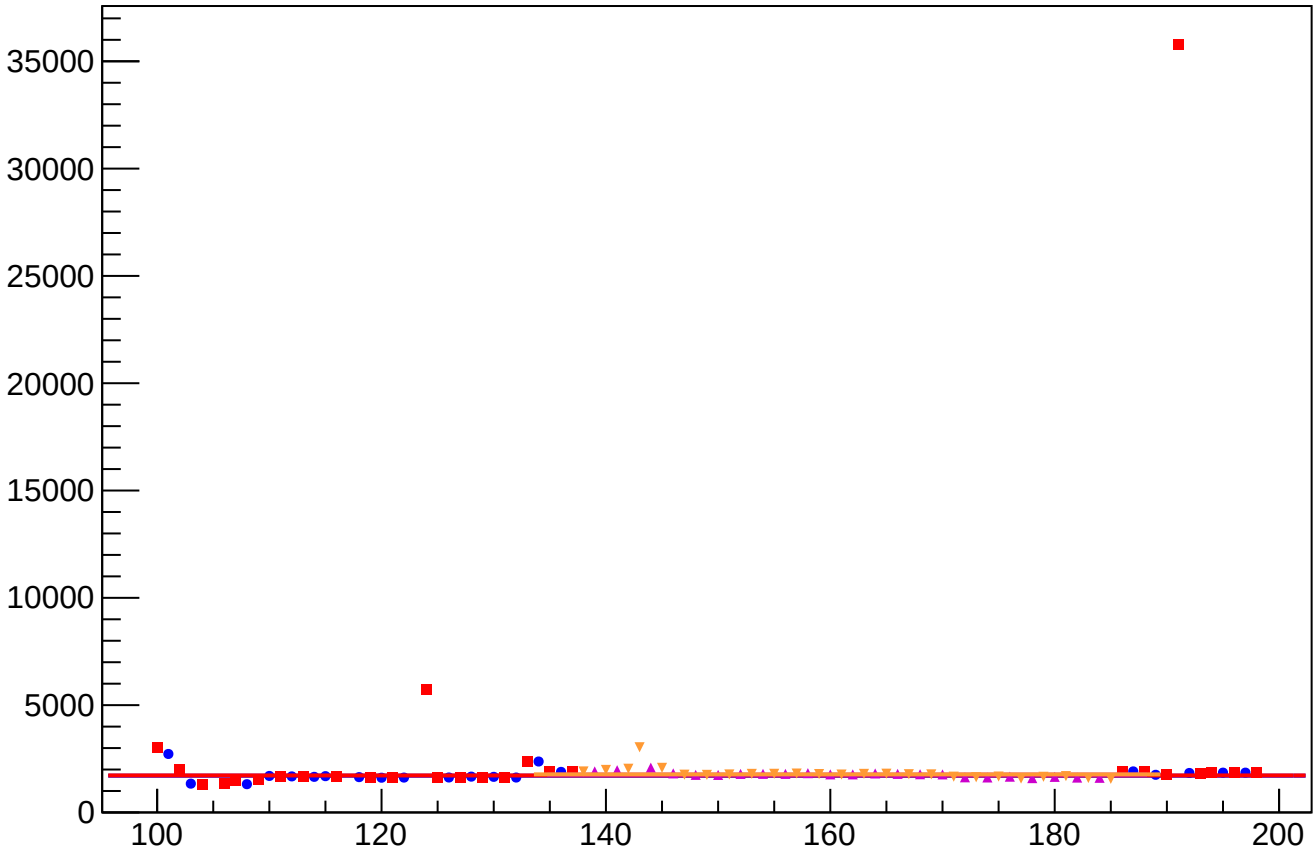
Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

Right: 2408.533+/-362.465 χ^2/NDF: 26.9/47

In: 2986.755+/-325.550 χ^2/NDF:16.7/43

Out: 1276.341+/-313.951 χ^2/NDF:65.3/51

All: 2100.537+/-225.986 χ^2/NDF: 96.4/95



Right In: 1712.334+/-0.375 χ^2/NDF: 462397.0/20

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1724.568+/-0.351 χ^2/NDF: 660628.5/26

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

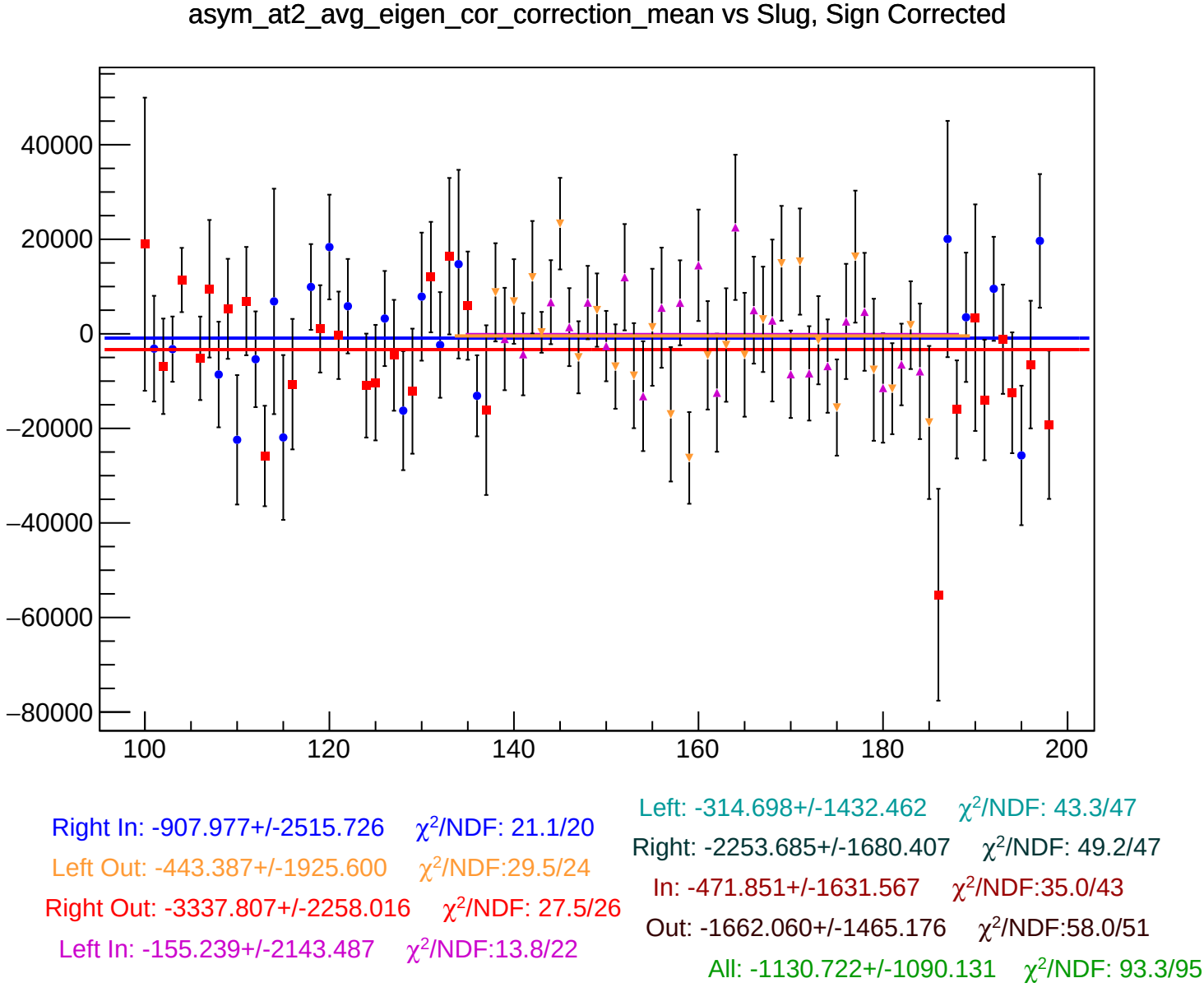
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

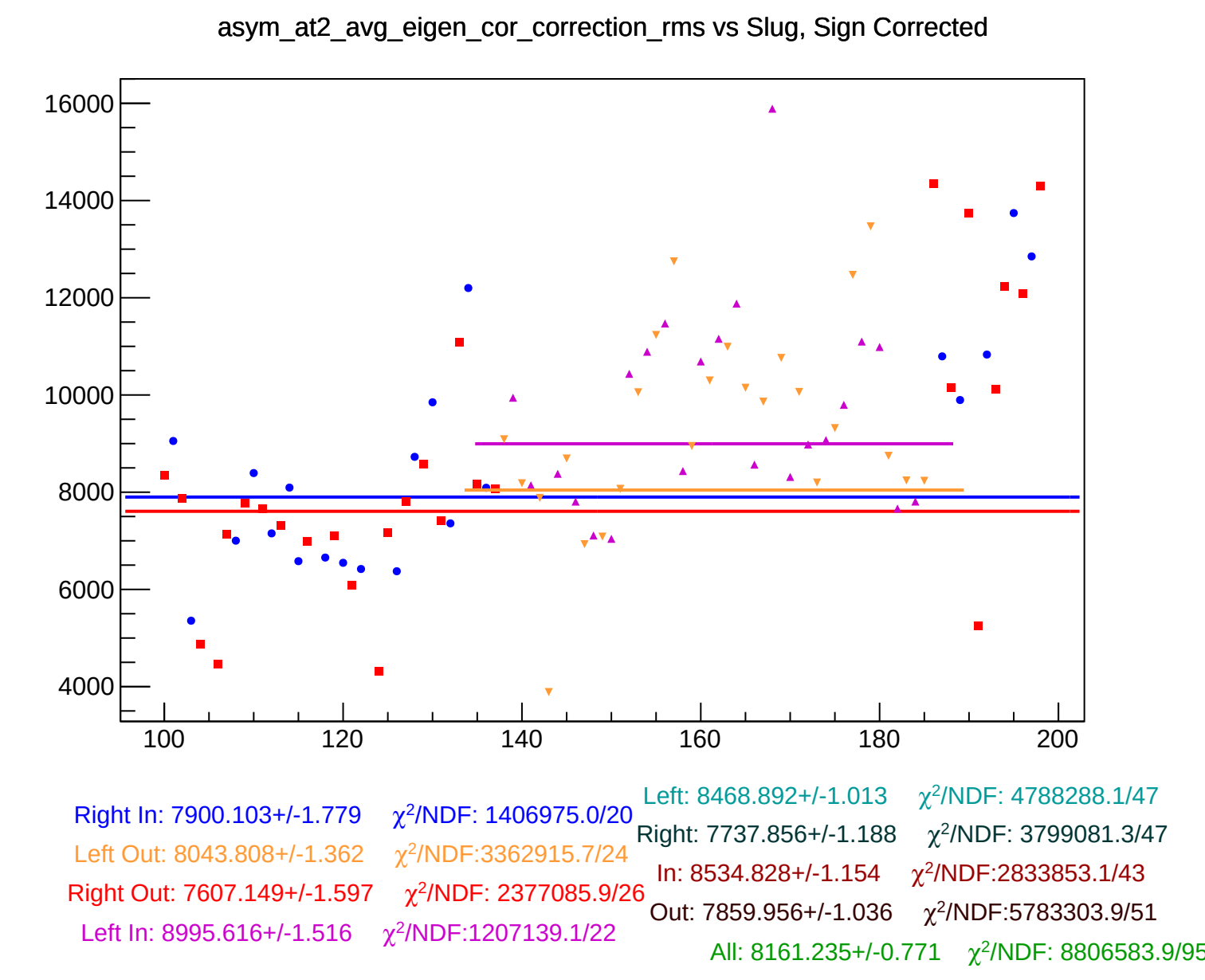
Right: 1718.868+/-0.256 χ^2/NDF: 1123592.5/47

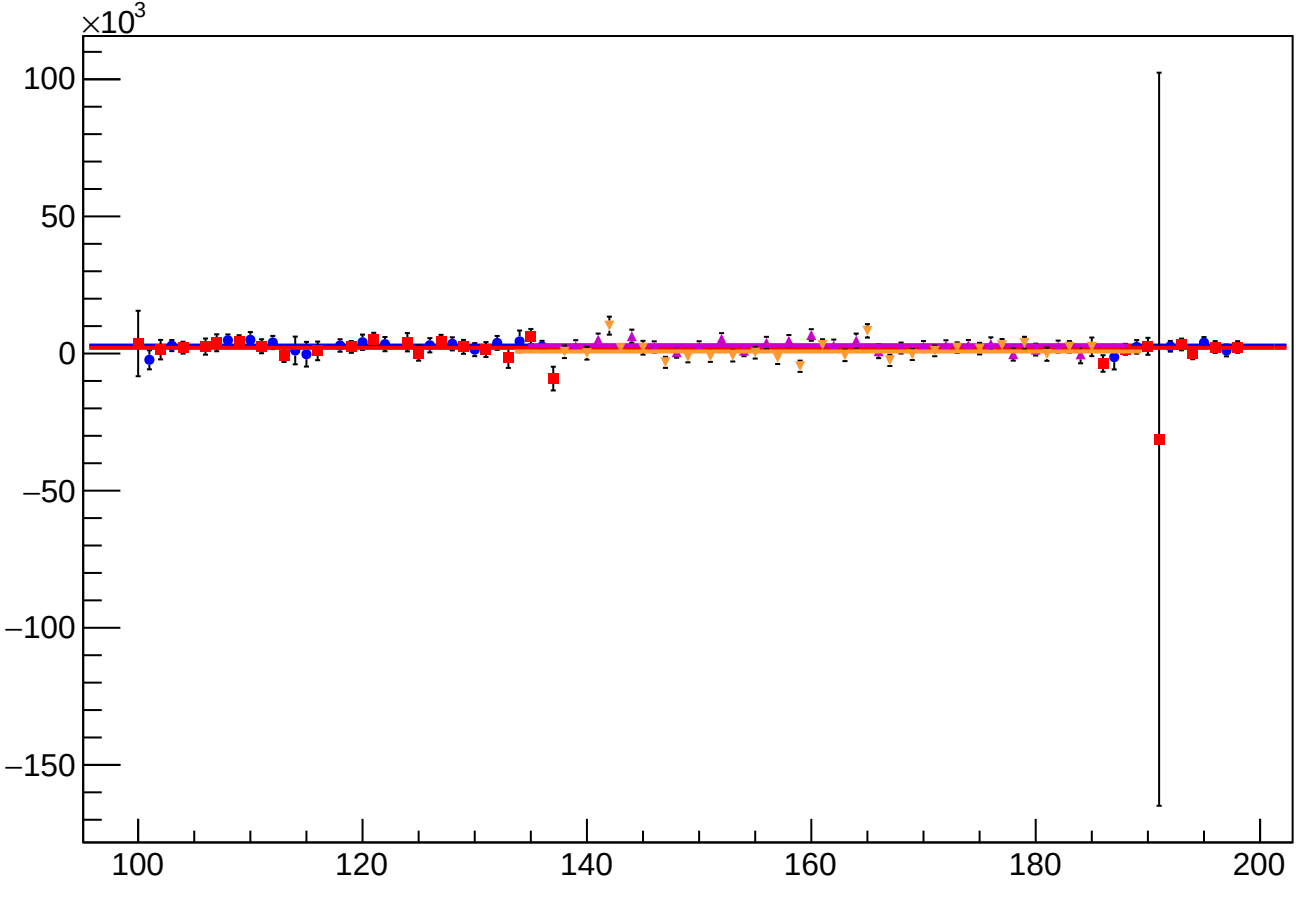
In: 1742.765+/-0.230 χ^2/NDF:619186.2/43

Out: 1754.631+/-0.222 χ^2/NDF:1119785.2/51

All: 1748.913+/-0.160 χ^2/NDF: 1740348.3/95


asym_at2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -907.977+/-2515.726 χ²/NDF: 21.1/20
Left Out: -443.387+/-1925.600 χ²/NDF:29.5/24
Right Out: -3337.807+/-2258.016 χ²/NDF: 27.5/26
Left In: -155.239+/-2143.487 χ²/NDF:13.8/22
Left: -314.698+/-1432.462 χ²/NDF: 43.3/47
Right: -2253.685+/-1680.407 χ²/NDF: 49.2/47
In: -471.851+/-1631.567 χ²/NDF:35.0/43
Out: -1662.060+/-1465.176 χ²/NDF:58.0/51
All: -1130.722+/-1090.131 χ²/NDF: 93.3/95


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: 7900.103+/-1.779 χ²/NDF: 1406975.0/20
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 7607.149+/-1.597 χ²/NDF: 2377085.9/26
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 7737.856+/-1.188 χ²/NDF: 3799081.3/47
In: 8534.828+/-1.154 χ²/NDF:2833853.1/43
Out: 7859.956+/-1.036 χ²/NDF:5783303.9/51
All: 8161.235+/-0.771 χ²/NDF: 8806583.9/95



Right In: 2911.591+/-551.510 χ^2/NDF: 7.3/20

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: 2068.094+/-510.591 χ^2/NDF: 21.6/26

Left In: 2979.225+/-450.334 χ^2/NDF:15.6/22

Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

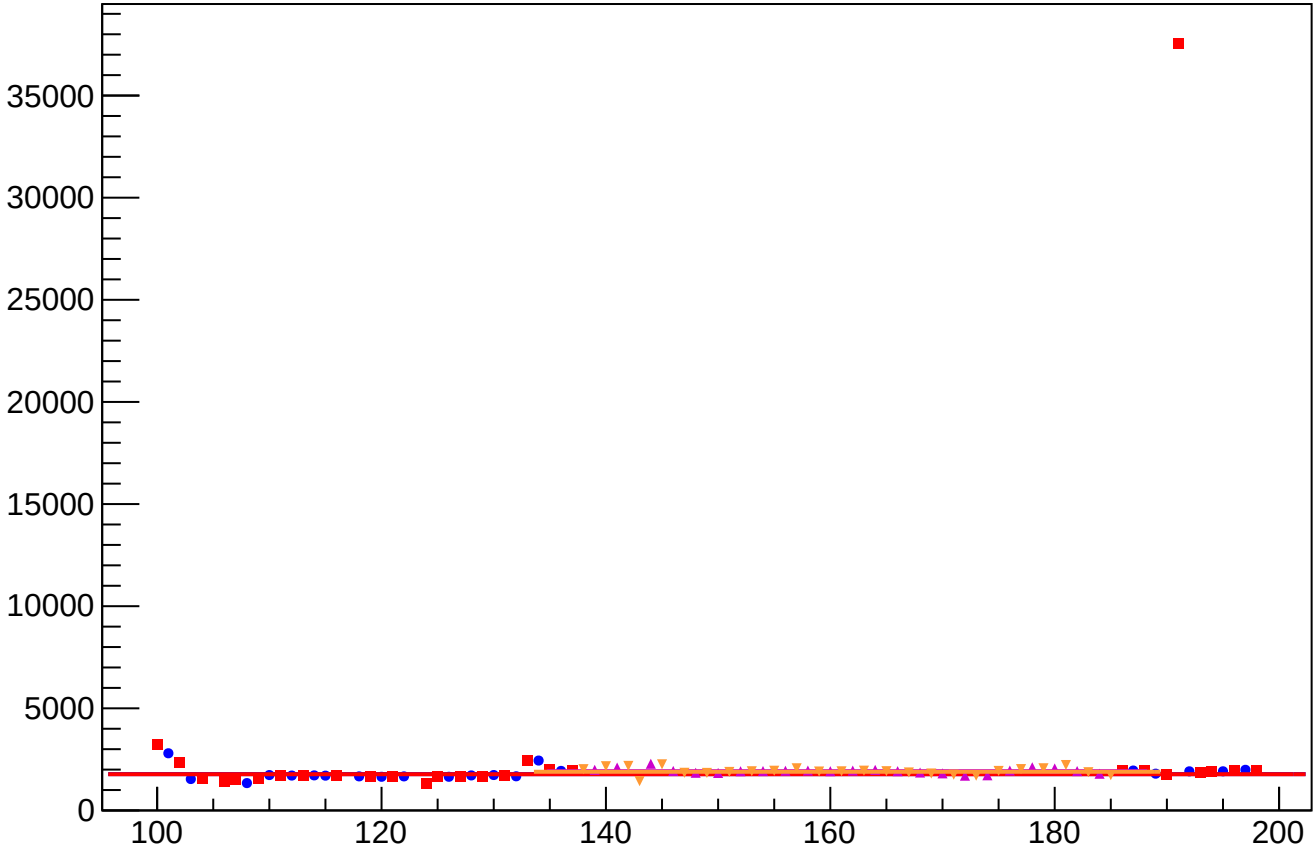
Right: 2457.394+/-374.674 χ^2/NDF: 30.2/47

In: 2952.169+/-348.819 χ^2/NDF:22.9/43

Out: 1294.826+/-330.185 χ^2/NDF:67.2/51

All: 2078.050+/-239.793 χ^2/NDF: 102.0/95

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1779.201+/-0.390 χ^2/NDF: 419826.0/20

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1773.552+/-0.361 χ^2/NDF: 526012.6/26

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

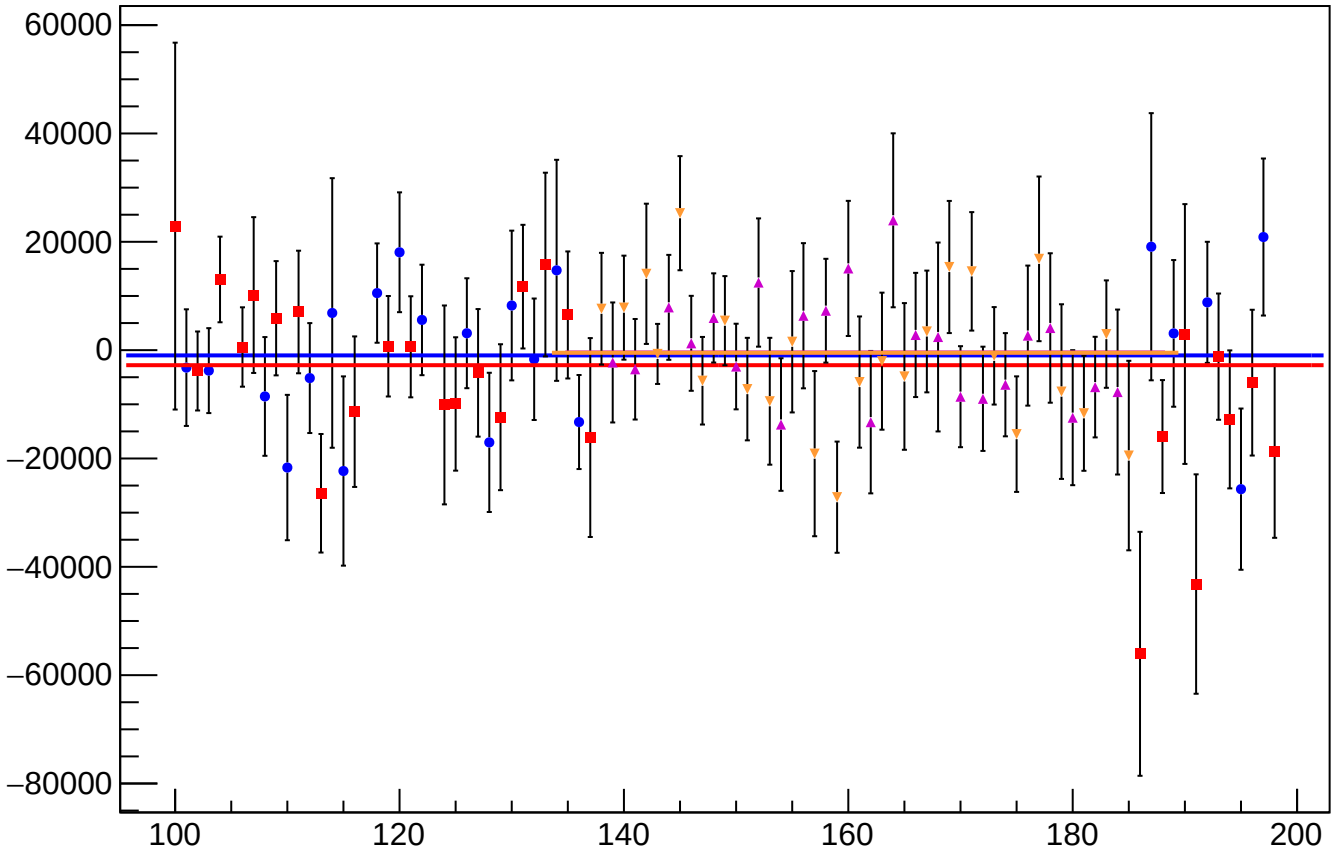
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1776.158+/-0.265 χ^2/NDF: 945951.7/47

In: 1865.499+/-0.247 χ^2/NDF:652423.4/43

Out: 1844.014+/-0.233 χ^2/NDF:960110.0/51

All: 1854.166+/-0.170 χ^2/NDF: 1616535.6/95



Right In: -970.754+/-2564.214 χ^2/NDF: 21.1/20

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: -2778.321+/-2266.855 χ^2/NDF: 30.3/26

Left In: -436.717+/-2245.180 χ^2/NDF:13.6/22

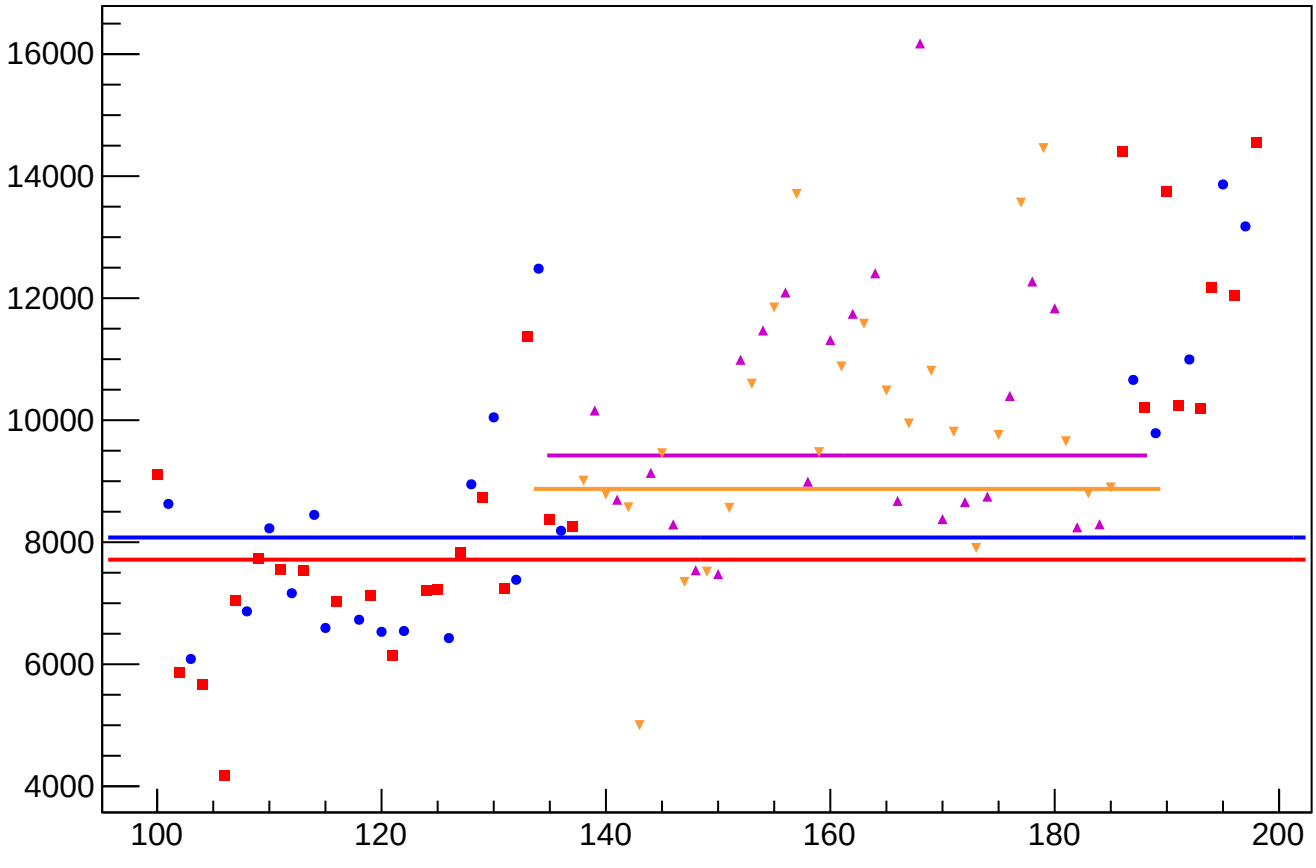
Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

Right: -1985.376+/-1698.356 χ^2/NDF: 51.6/47

In: -668.465+/-1689.183 χ^2/NDF:34.7/43

Out: -1535.244+/-1536.273 χ^2/NDF:59.6/51

All: -1142.854+/-1136.531 χ^2/NDF: 94.4/95



Right In: 8077.498+/-1.813 χ^2/NDF: 1261343.8/20

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 7714.512+/-1.603 χ^2/NDF: 2287358.2/26

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

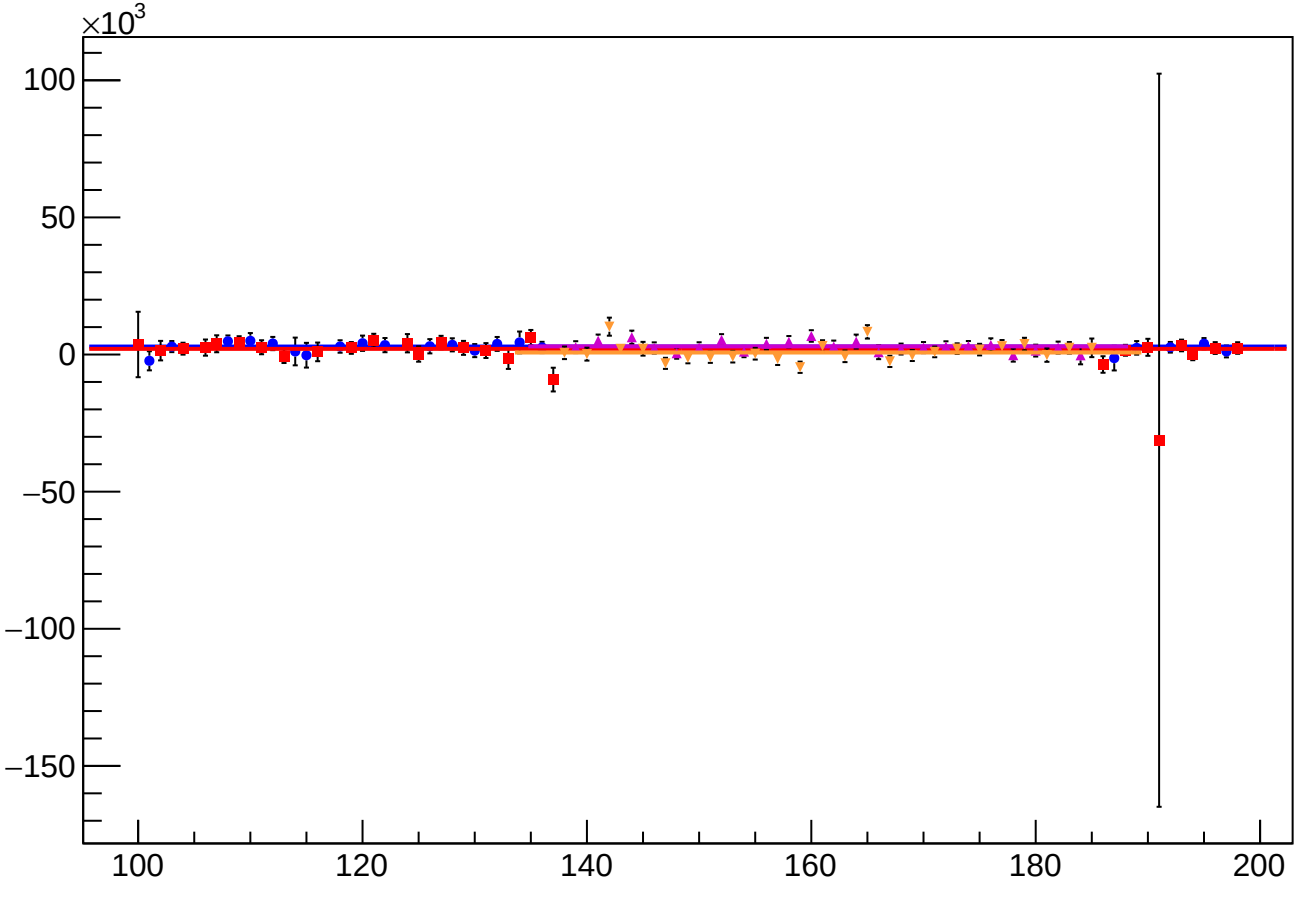
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 7873.747+/-1.201 χ^2/NDF: 3571198.4/47

In: 8838.381+/-1.194 χ^2/NDF:2777296.3/43

Out: 8341.236+/-1.086 χ^2/NDF:4773337.8/51

All: 8566.293+/-0.804 χ^2/NDF: 7645447.5/95



Right In: 2911.590+/-551.509 χ^2/NDF: 7.3/20

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: 2068.097+/-510.591 χ^2/NDF: 21.6/26

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

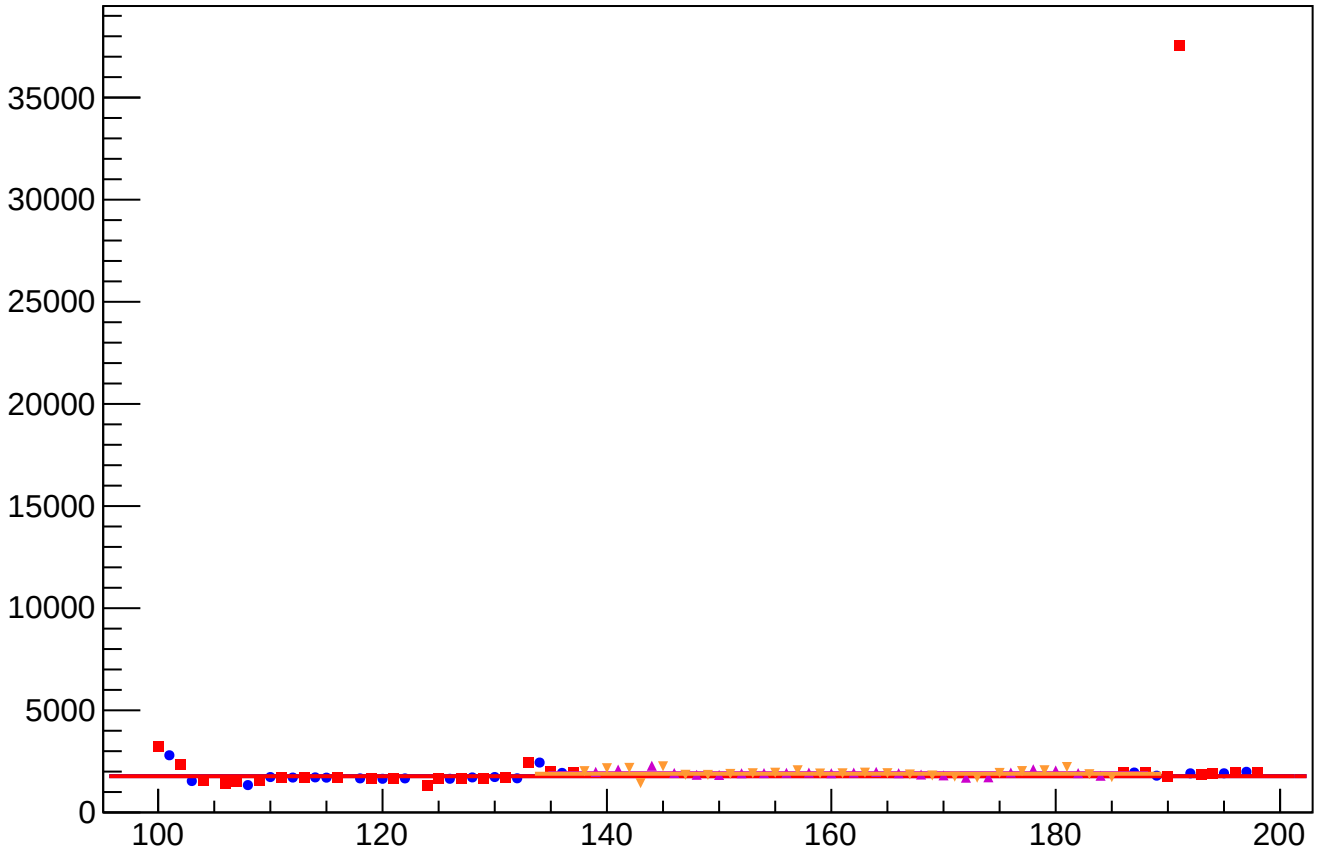
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2457.395+/-374.674 χ^2/NDF: 30.2/47

In: 2952.169+/-348.819 χ^2/NDF:22.9/43

Out: 1294.822+/-330.186 χ^2/NDF:67.2/51

All: 2078.048+/-239.793 χ^2/NDF: 102.0/95



Right In: 1779.200+/-0.390 χ^2/NDF: 419826.4/20

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1773.552+/-0.361 χ^2/NDF: 526013.8/26

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

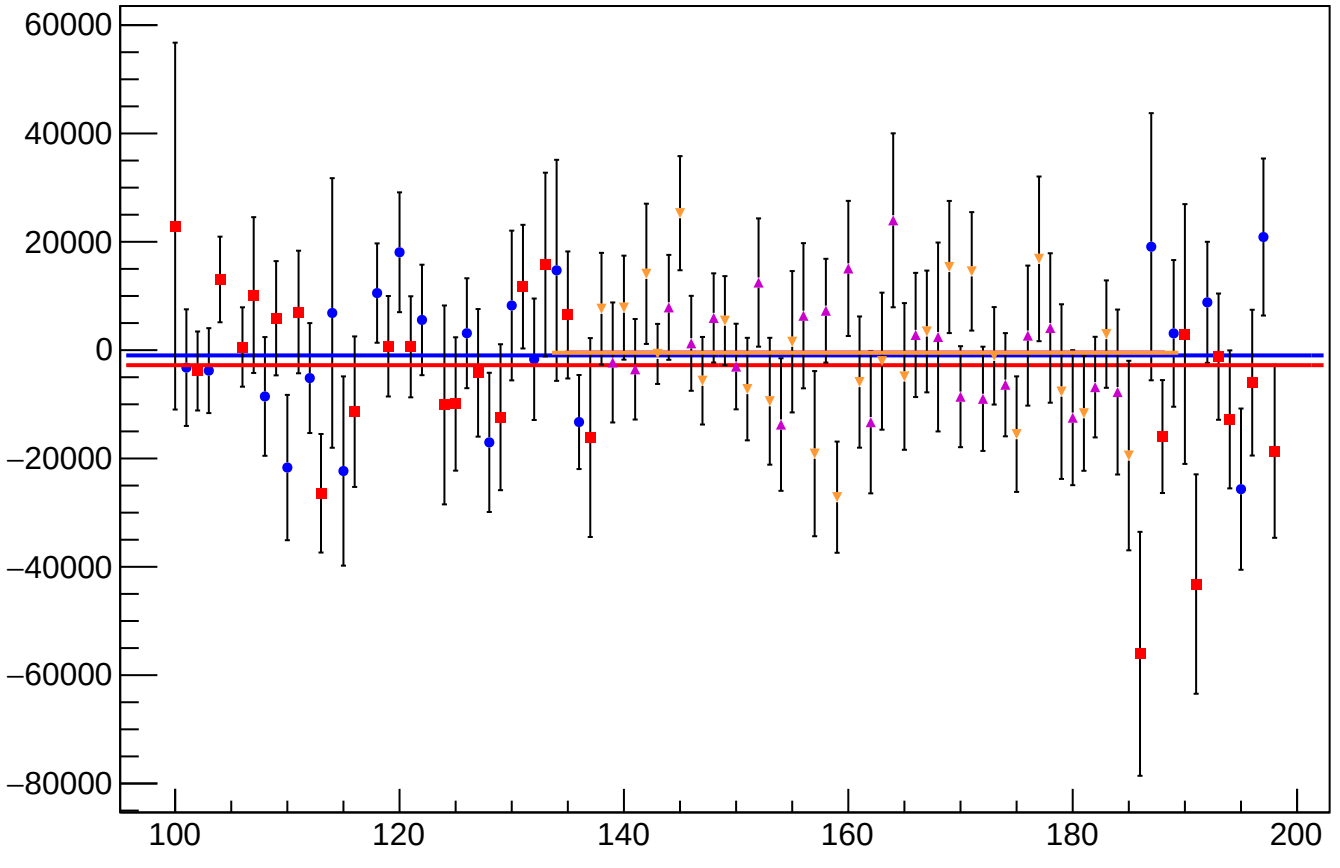
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1776.158+/-0.265 χ^2/NDF: 945953.2/47

In: 1865.501+/-0.247 χ^2/NDF:652435.5/43

Out: 1844.016+/-0.233 χ^2/NDF:960122.2/51

All: 1854.168+/-0.170 χ^2/NDF: 1616559.7/95



Right In: -970.739+/-2564.209 χ^2/NDF: 21.1/20

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: -2778.305+/-2266.851 χ^2/NDF: 30.3/26

Left In: -436.720+/-2245.183 χ^2/NDF:13.6/22

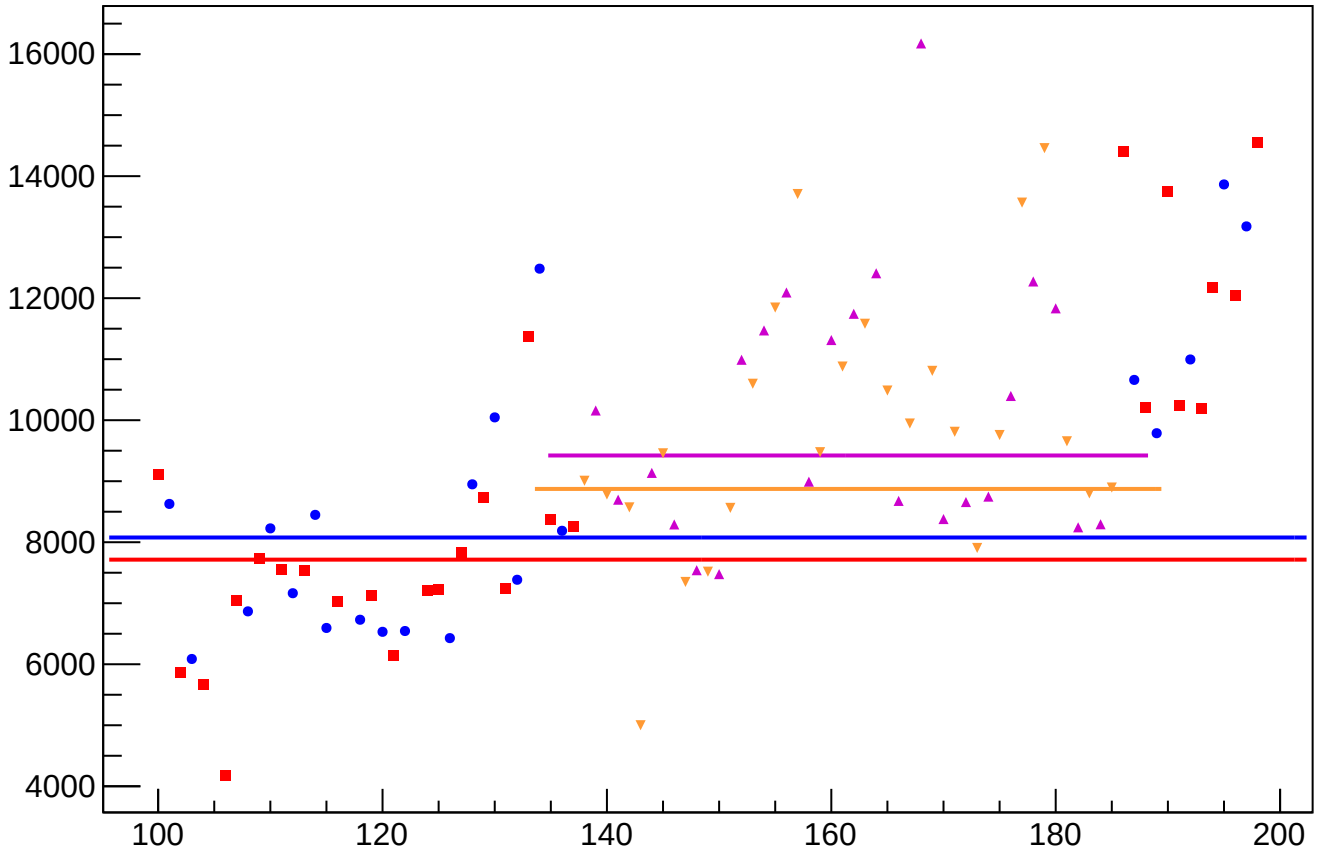
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -1985.360+/-1698.353 χ^2/NDF: 51.6/47

In: -668.461+/-1689.183 χ^2/NDF:34.7/43

Out: -1535.244+/-1536.273 χ^2/NDF:59.6/51

All: -1142.852+/-1136.532 χ^2/NDF: 94.4/95



Right In: 8077.482+/-1.813 χ^2/NDF: 1261357.5/20

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 7714.498+/-1.603 χ^2/NDF: 2287370.2/26

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

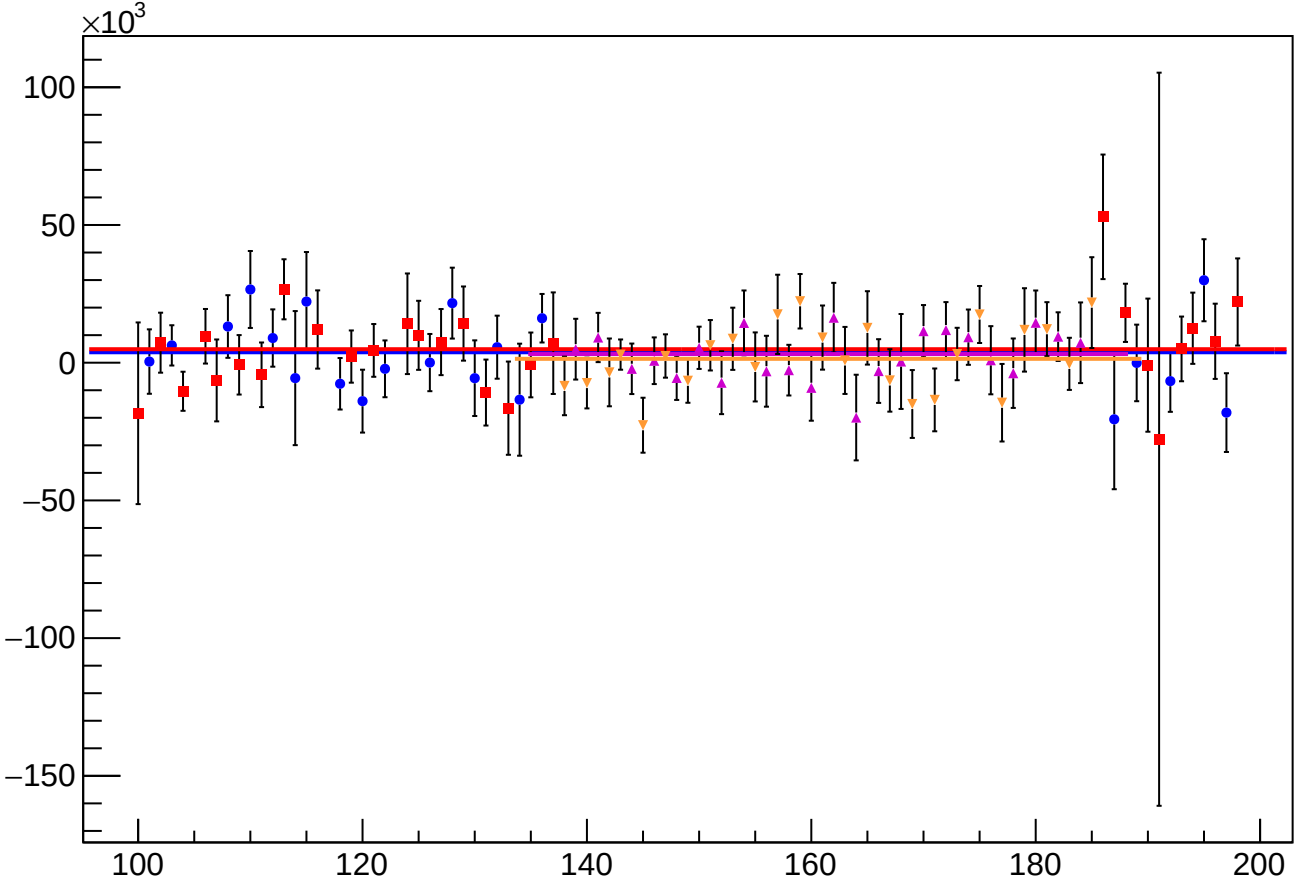
Right: 7873.733+/-1.201 χ^2/NDF: 3571223.8/47

In: 8838.380+/-1.194 χ^2/NDF:2777328.1/43

Out: 8341.235+/-1.086 χ^2/NDF:4773365.1/51

All: 8566.292+/-0.804 χ^2/NDF: 7645506.4/95

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3788.833+/-2589.634 χ^2/NDF: 21.8/20

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: 4898.521+/-2404.991 χ^2/NDF: 23.5/26

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

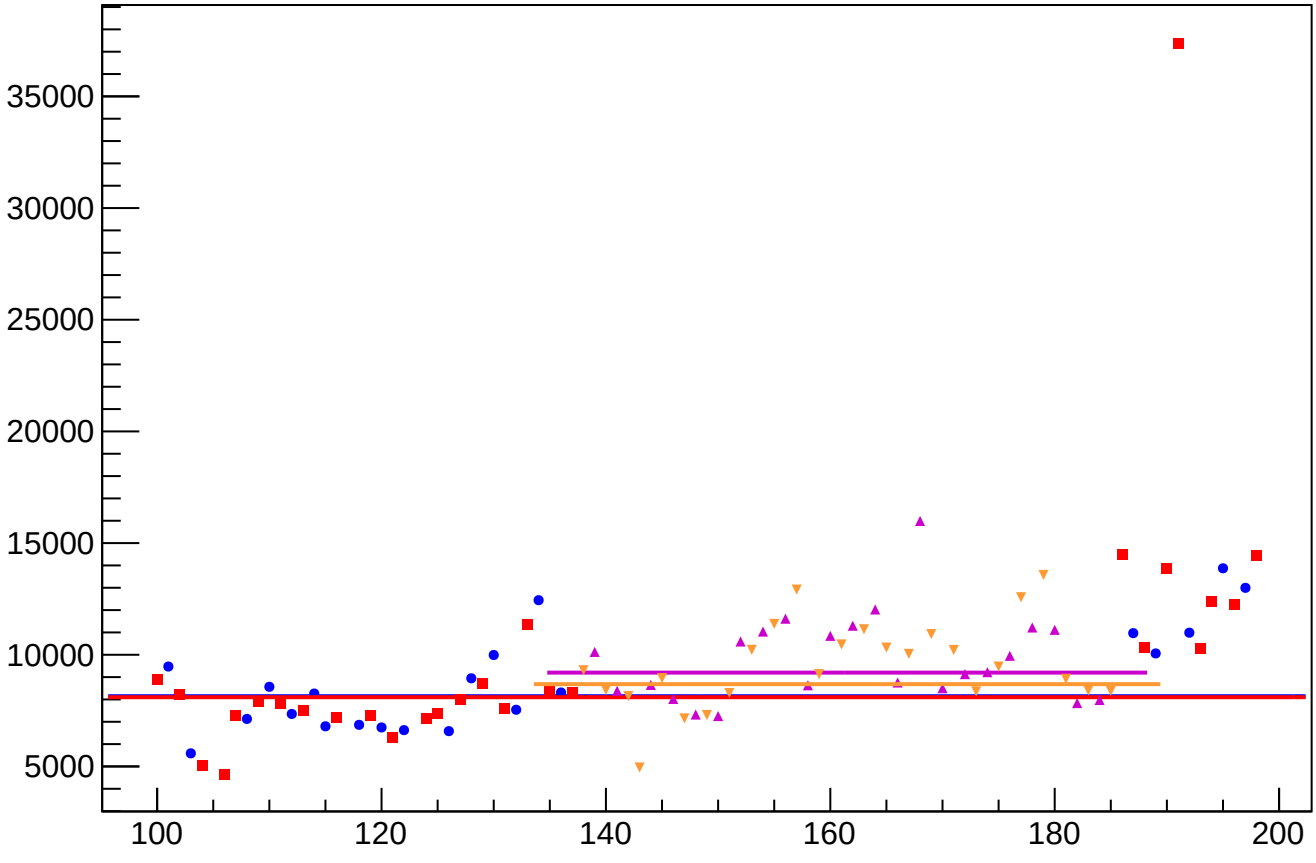
Right: 4384.644+/-1762.250 χ^2/NDF: 45.4/47

In: 3410.037+/-1671.969 χ^2/NDF:34.8/43

Out: 2868.669+/-1555.669 χ^2/NDF:52.2/51

All: 3119.871+/-1138.921 χ^2/NDF: 87.0/95

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 8143.933+/-1.831 χ^2/NDF: 1325855.9/20

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 8099.610+/-1.700 χ^2/NDF: 2071786.3/26

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

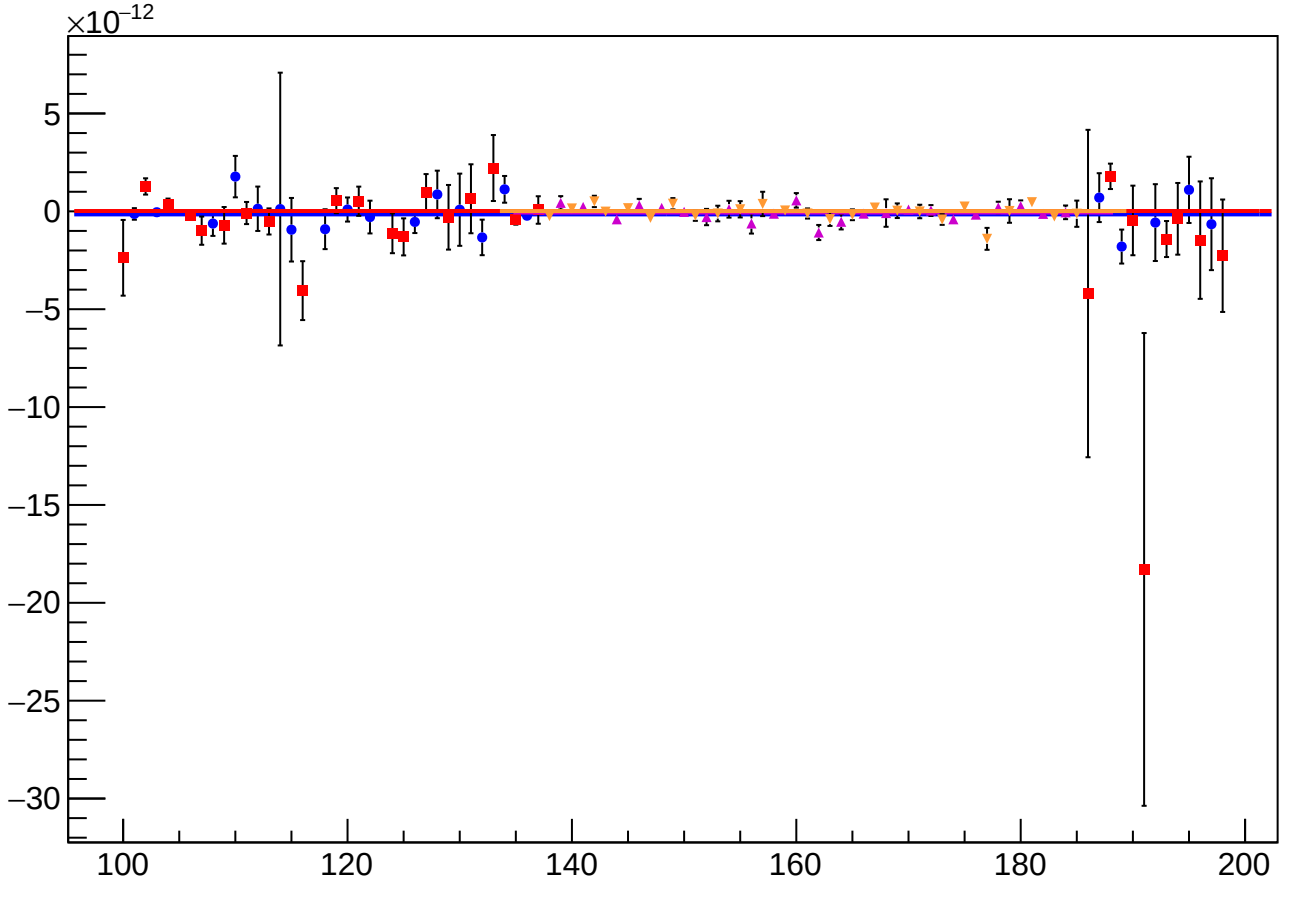
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 8120.134+/-1.246 χ^2/NDF: 3397956.8/47

In: 8760.239+/-1.182 χ^2/NDF:2649533.2/43

Out: 8439.783+/-1.100 χ^2/NDF:4192221.6/51

All: 8588.475+/-0.805 χ^2/NDF: 6881135.1/95



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.2/26

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

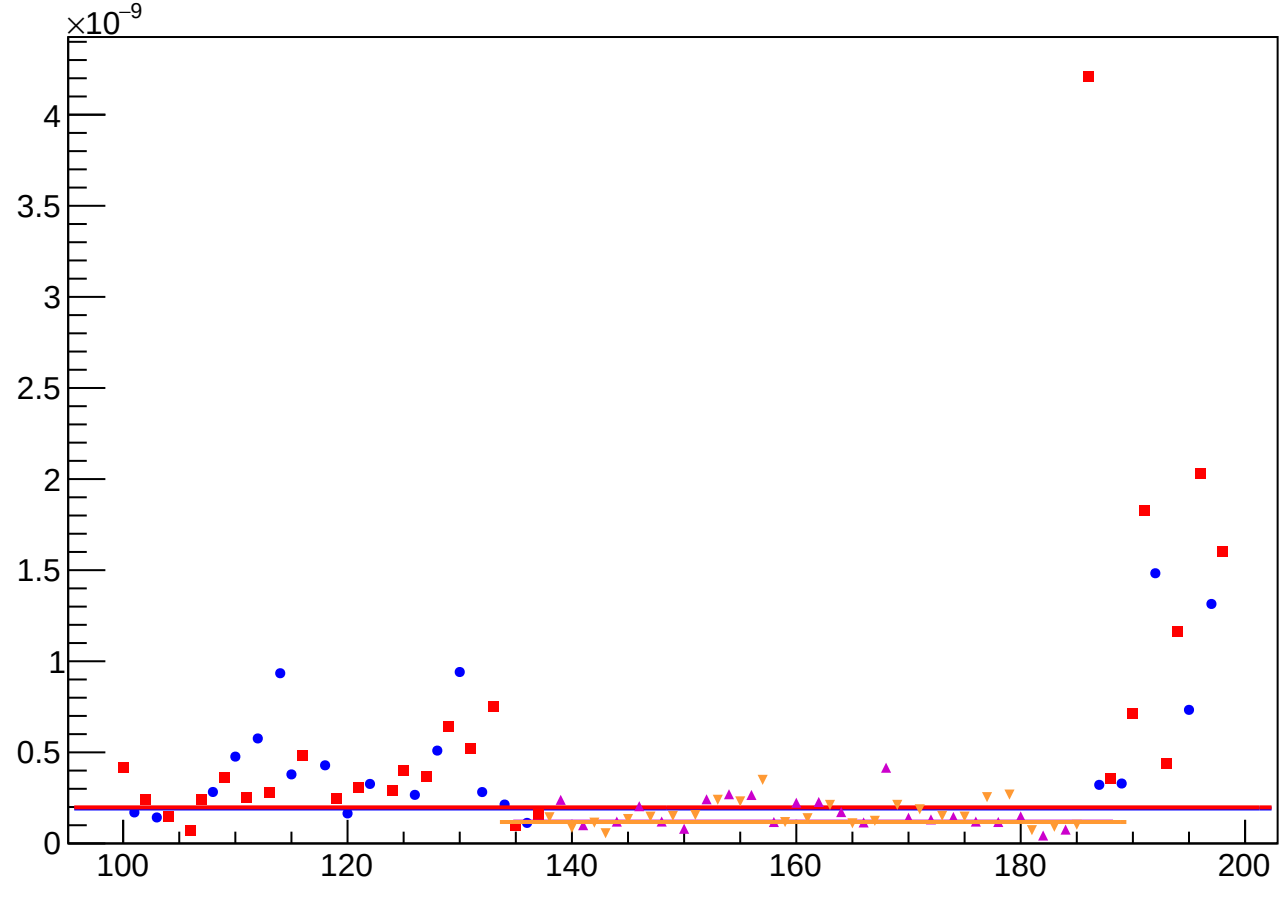
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 63.6/47

In: -0.000+/-0.000 χ^2/NDF:44.6/43

Out: 0.000+/-0.000 χ^2/NDF:75.1/51

All: -0.000+/-0.000 χ^2/NDF: 121.6/95



Right In: 0.000+/-0.000 χ^2/NDF: 3157992.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4417391.6/26

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

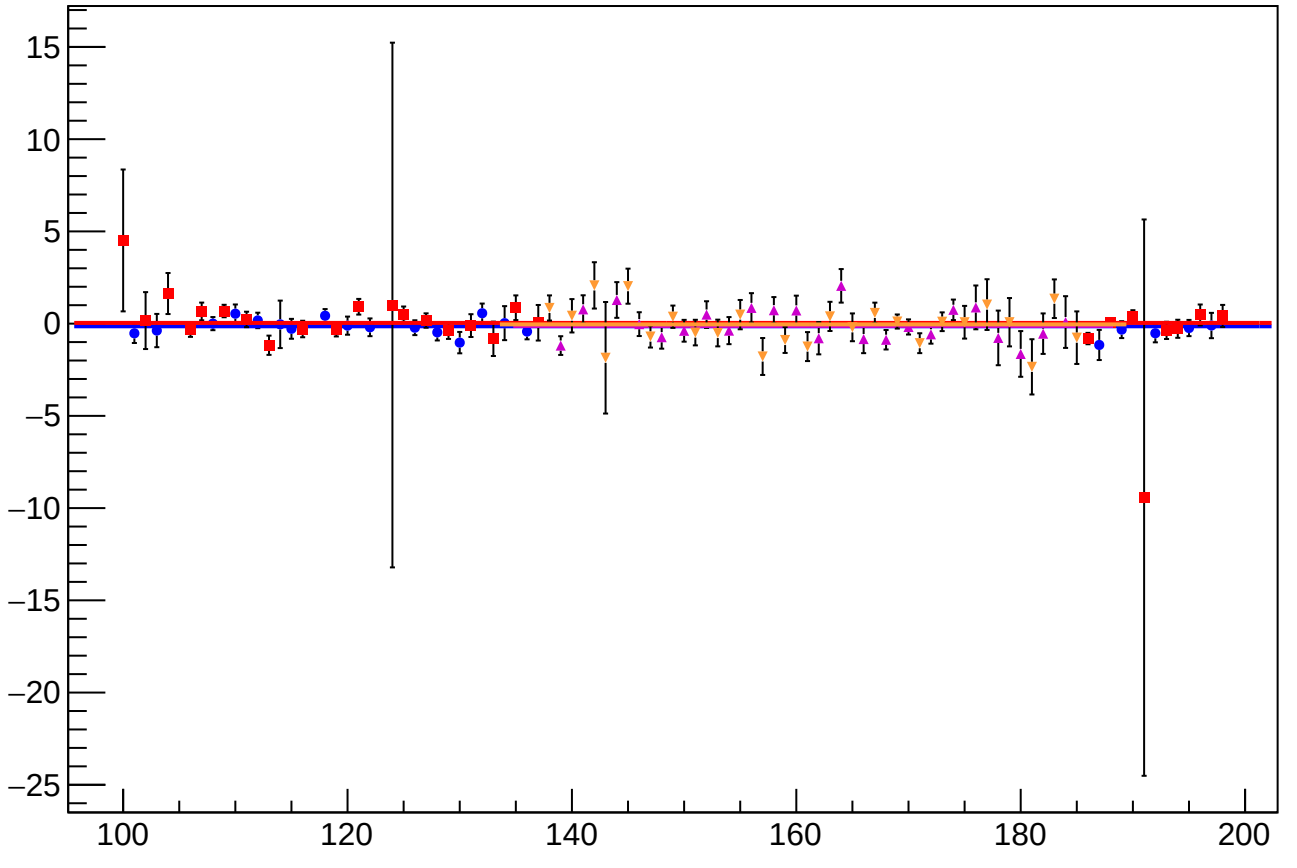
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 7578078.9/47

In: 0.000+/-0.000 χ^2/NDF:6447021.1/43

Out: 0.000+/-0.000 χ^2/NDF:7531604.2/51

All: 0.000+/-0.000 χ^2/NDF: 13981171.2/95



Right In: -0.144+/-0.108 χ^2/NDF: 13.4/20

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.039+/-0.085 χ^2/NDF: 36.9/26

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

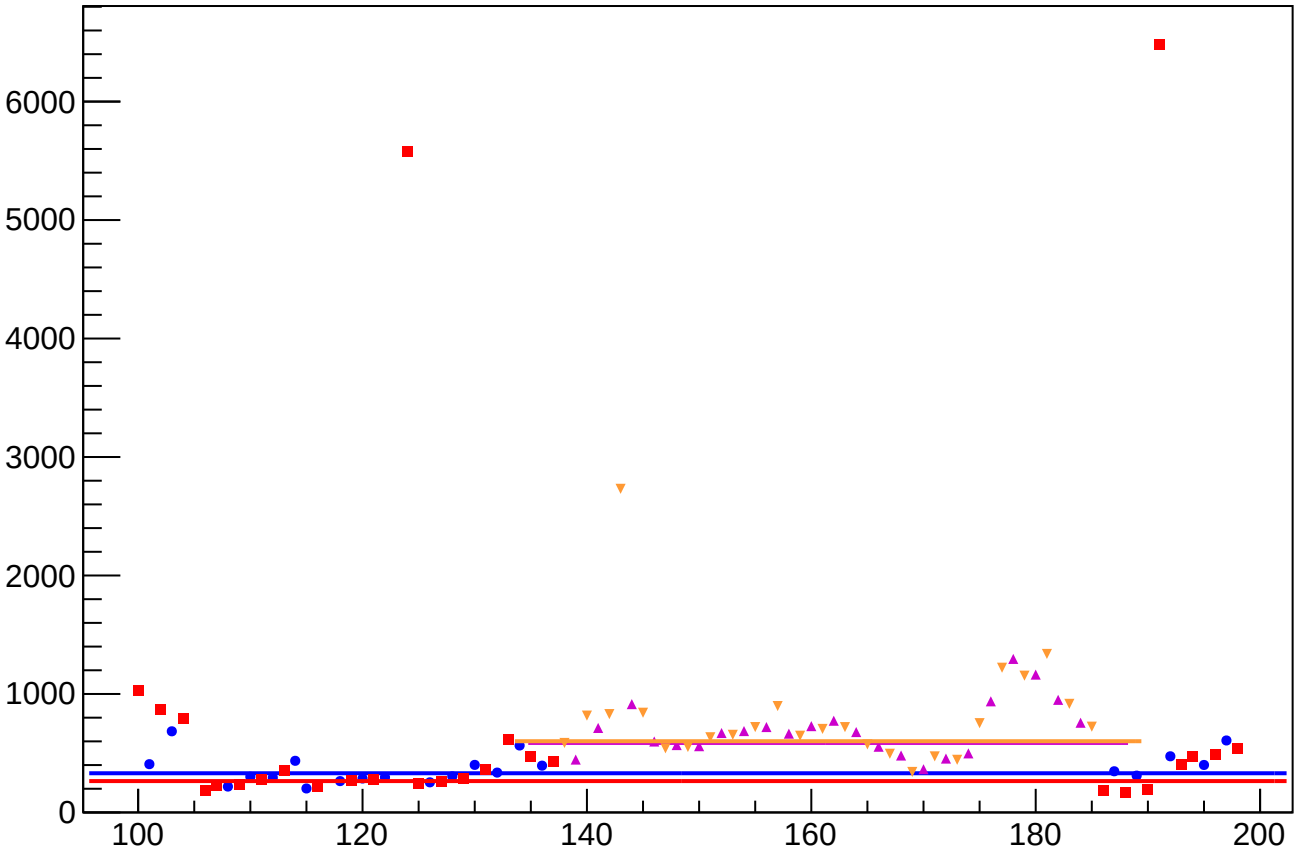
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.031+/-0.067 χ^2/NDF: 52.1/47

In: -0.138+/-0.087 χ^2/NDF:42.4/43

Out: 0.019+/-0.074 χ^2/NDF:67.3/51

All: -0.047+/-0.056 χ^2/NDF: 111.6/95



Right In: 330.893+/-0.077 χ^2/NDF: 1627477.5/20

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 264.761+/-0.060 χ^2/NDF: 4323246.4/26

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

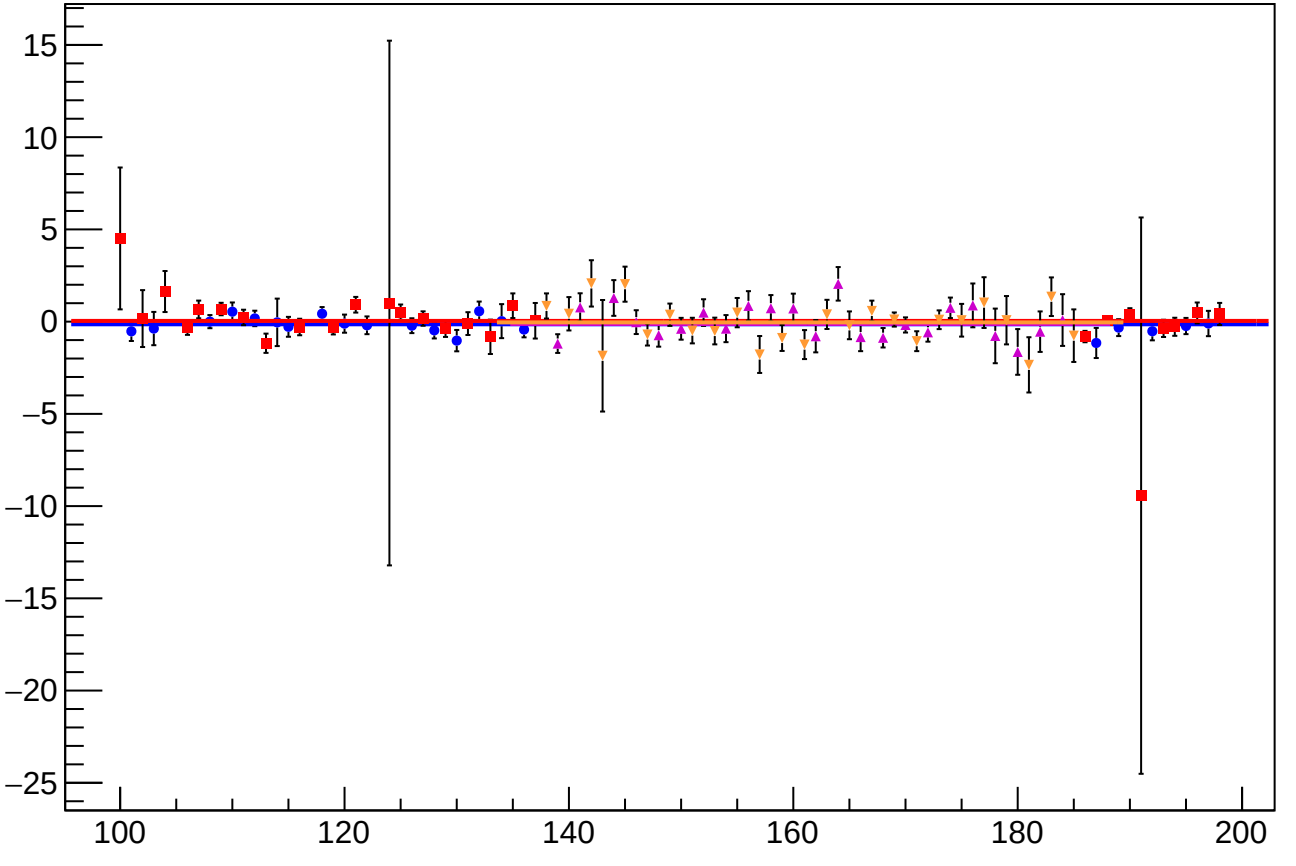
Right: 290.096+/-0.047 χ^2/NDF: 6409429.2/47

In: 422.549+/-0.061 χ^2/NDF:8550083.9/43

Out: 349.321+/-0.052 χ^2/NDF:16572834.7/51

All: 380.082+/-0.040 χ^2/NDF: 25946655.9/95

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.144+/-0.108 χ^2/NDF: 13.4/20

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.039+/-0.085 χ^2/NDF: 36.9/26

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

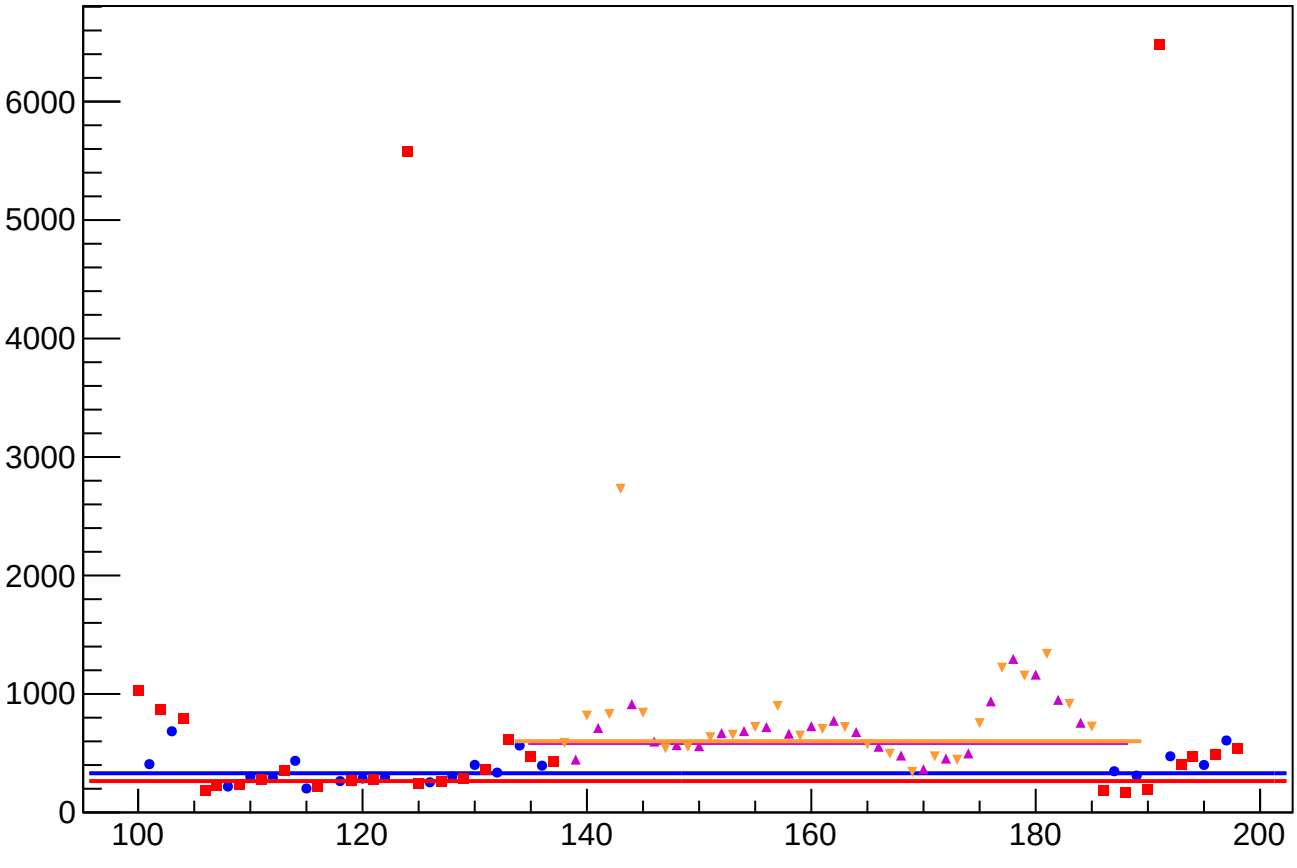
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.031+/-0.067 χ^2/NDF: 52.1/47

In: -0.138+/-0.087 χ^2/NDF:42.4/43

Out: 0.019+/-0.074 χ^2/NDF:67.3/51

All: -0.047+/-0.056 χ^2/NDF: 111.6/95



Right In: 330.893+/-0.077 χ^2/NDF: 1627477.5/20

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 264.761+/-0.060 χ^2/NDF: 4323246.4/26

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

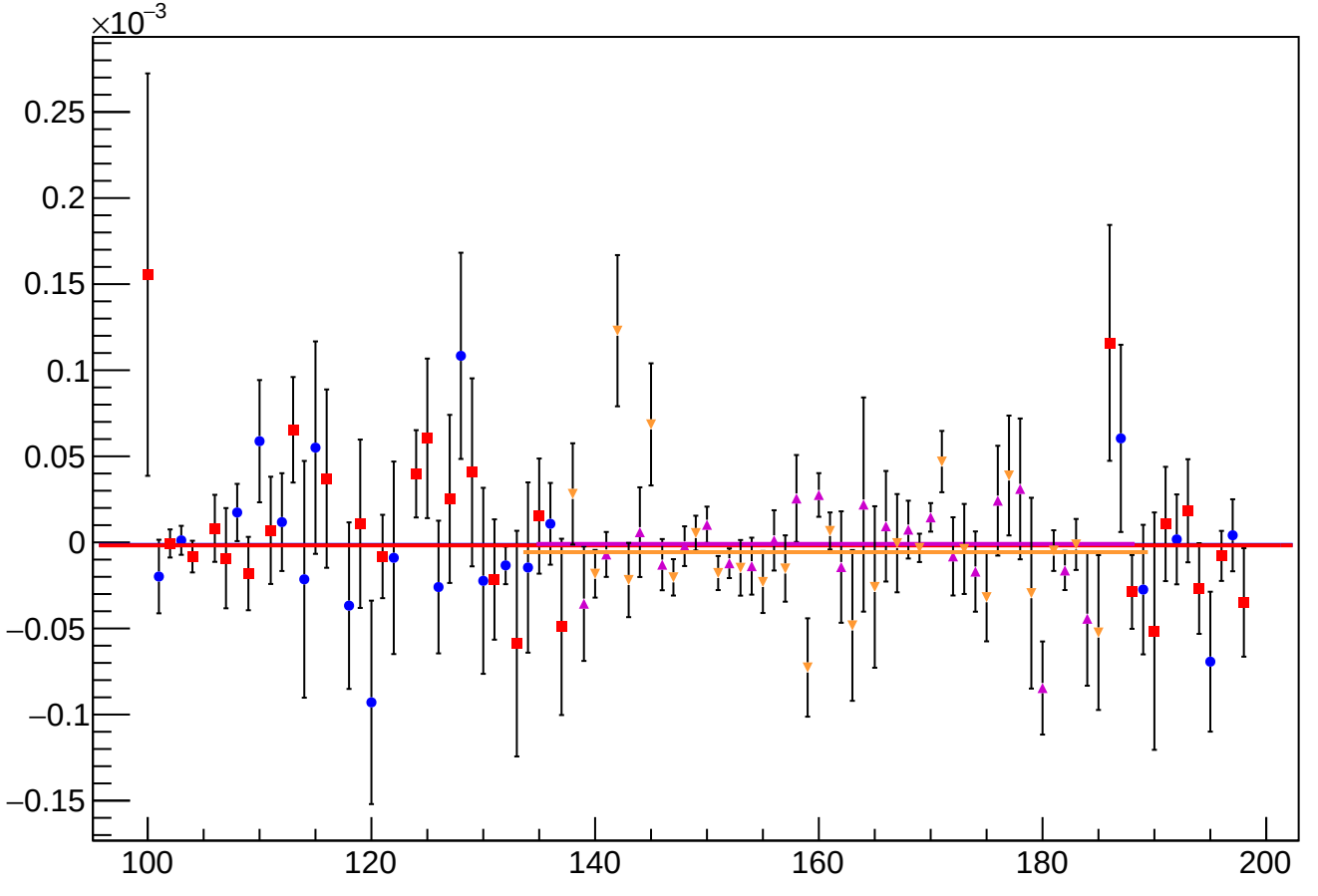
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 290.096+/-0.047 χ^2/NDF: 6409429.2/47

In: 422.549+/-0.061 χ^2/NDF:8550083.9/43

Out: 349.321+/-0.052 χ^2/NDF:16572834.7/51

All: 380.082+/-0.040 χ^2/NDF: 25946655.9/95



Right In: -0.000+/-0.000 χ^2/NDF: 19.2/20

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/26

Left In: -0.000+/-0.000 χ^2/NDF:30.2/22

Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

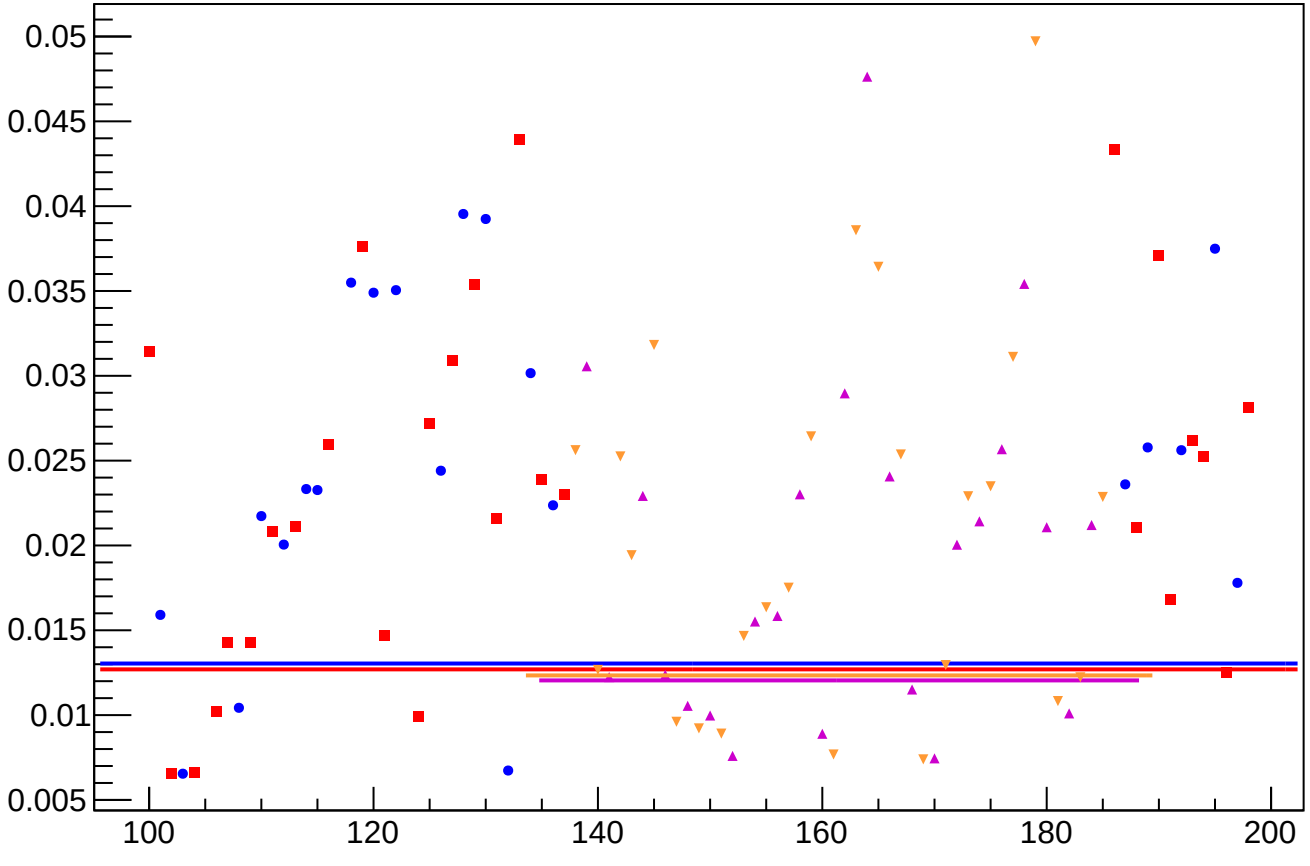
Right: -0.000+/-0.000 χ^2/NDF: 43.4/47

In: -0.000+/-0.000 χ^2/NDF:49.4/43

Out: -0.000+/-0.000 χ^2/NDF:67.4/51

All: -0.000+/-0.000 χ^2/NDF: 117.5/95

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 6478435.9/20

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 7109387.1/26

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

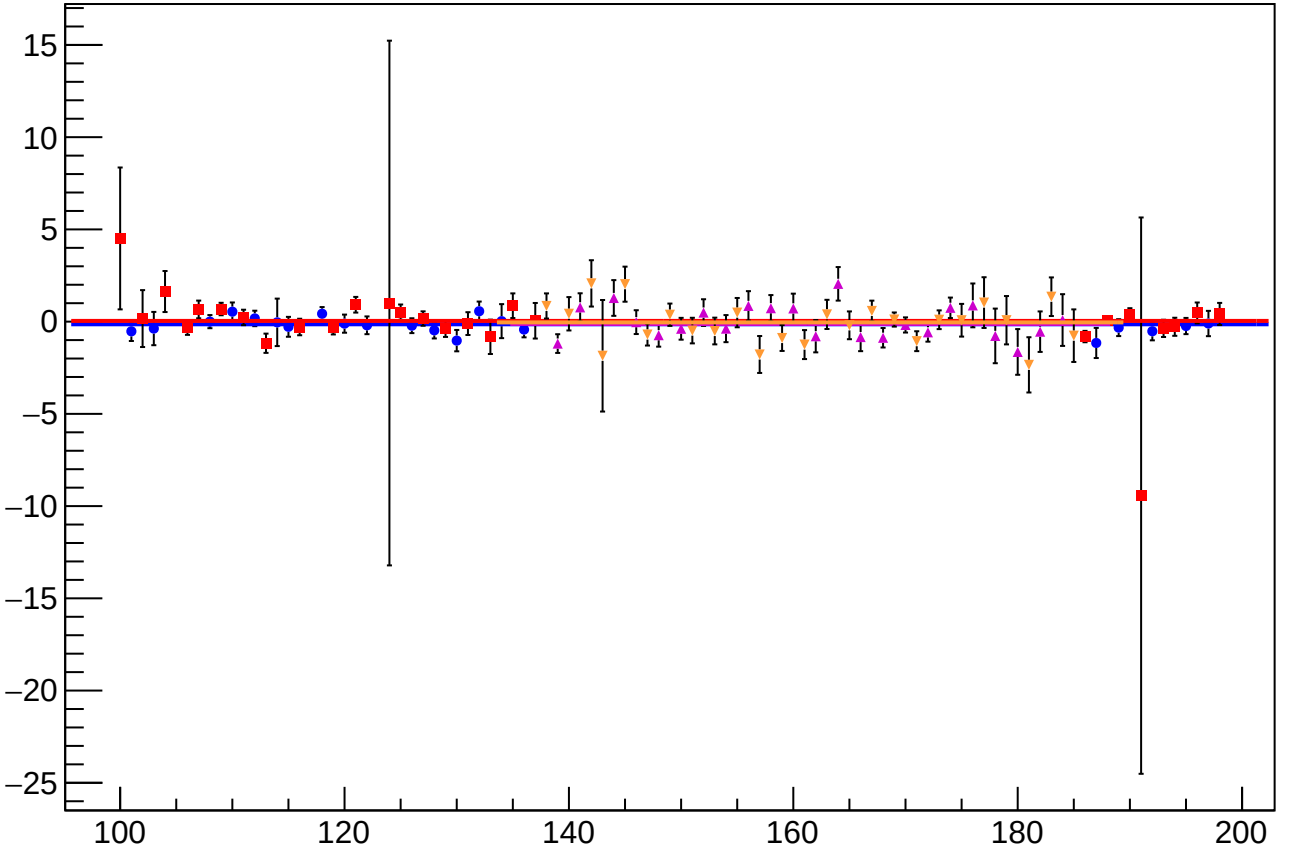
Right: 0.013+/-0.000 χ^2/NDF: 13593342.4/47

In: 0.012+/-0.000 χ^2/NDF:12913902.8/43

Out: 0.012+/-0.000 χ^2/NDF:14957283.7/51

All: 0.012+/-0.000 χ^2/NDF: 27873266.2/95

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.144+/-0.108 χ^2/NDF: 13.4/20

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.039+/-0.085 χ^2/NDF: 36.9/26

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

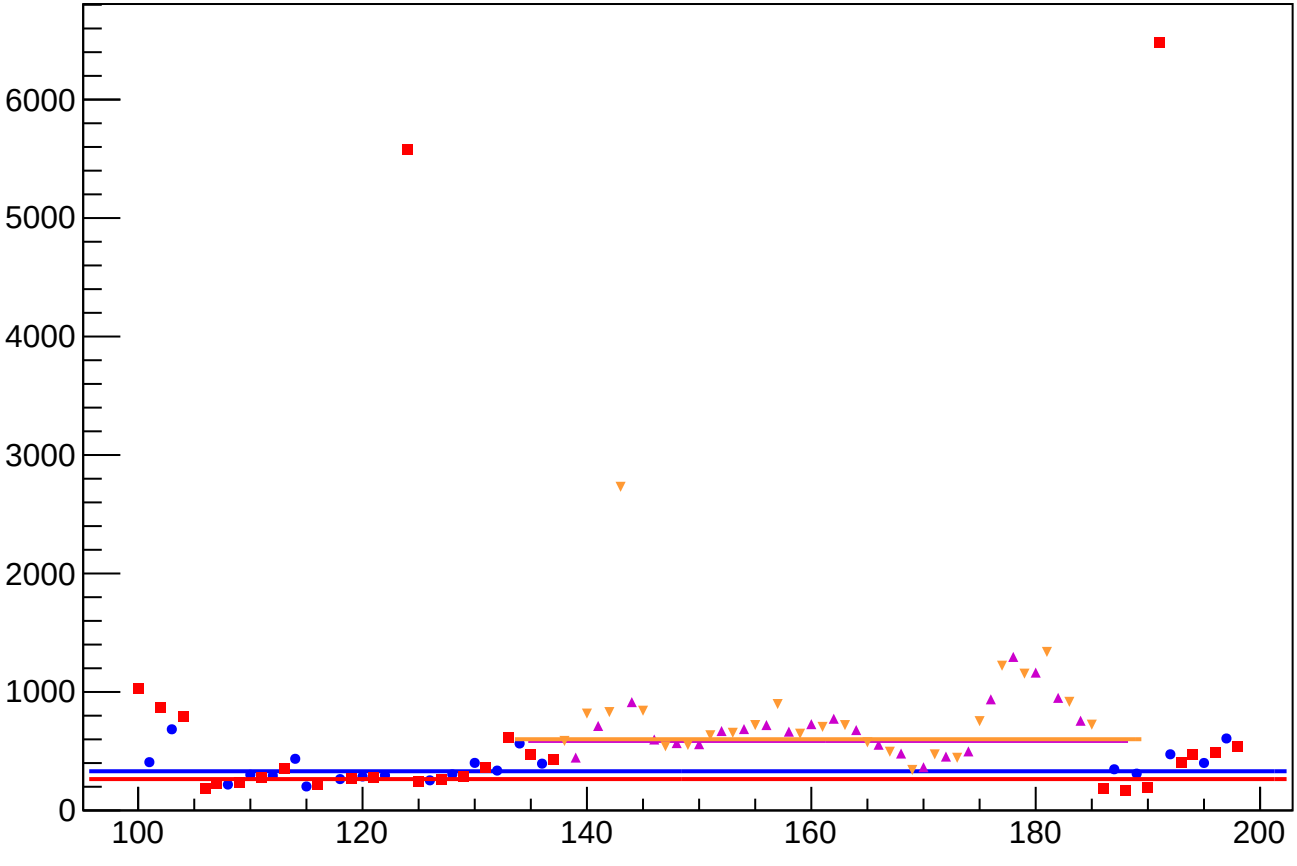
Right: -0.031+/-0.067 χ^2/NDF: 52.1/47

In: -0.138+/-0.087 χ^2/NDF:42.4/43

Out: 0.019+/-0.074 χ^2/NDF:67.3/51

All: -0.047+/-0.056 χ^2/NDF: 111.6/95

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 330.891+/-0.077 χ^2/NDF: 1627447.5/20

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 264.754+/-0.060 χ^2/NDF: 4323489.6/26

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

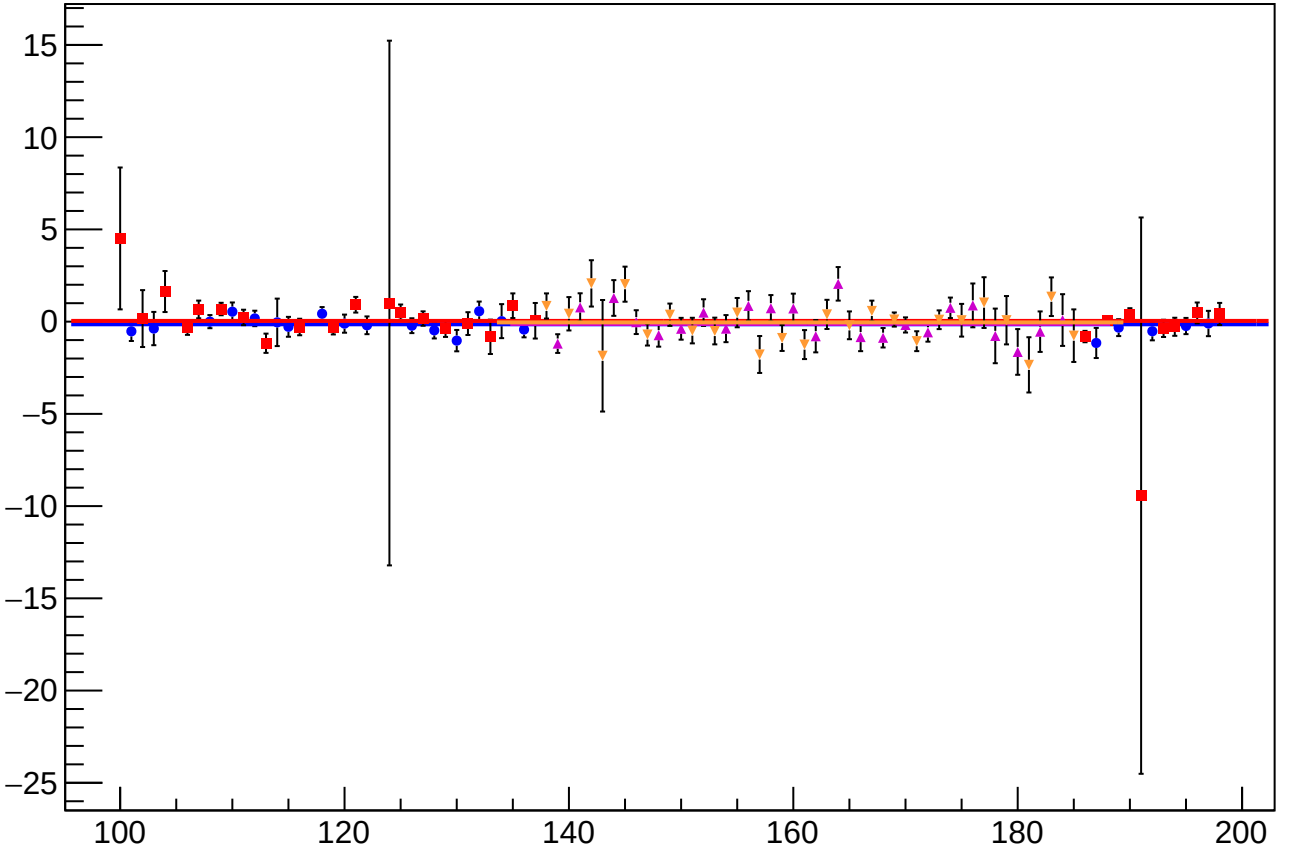
Right: 290.091+/-0.047 χ^2/NDF: 6409727.5/47

In: 422.548+/-0.061 χ^2/NDF:8550297.8/43

Out: 349.313+/-0.052 χ^2/NDF:16573659.4/51

All: 380.076+/-0.040 χ^2/NDF: 25947855.2/95

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.144+/-0.108 χ^2/NDF: 13.4/20

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.039+/-0.085 χ^2/NDF: 36.9/26

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

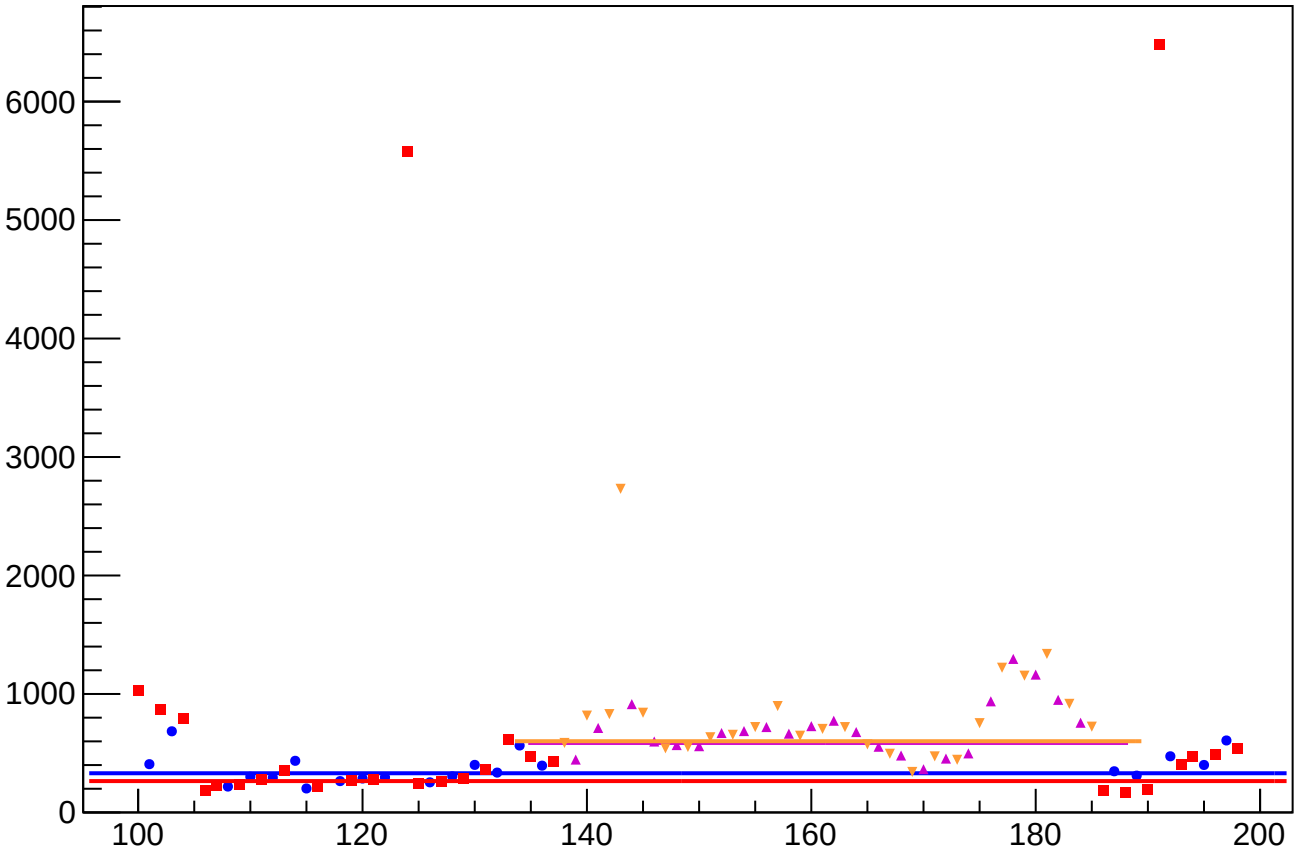
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.031+/-0.067 χ^2/NDF: 52.1/47

In: -0.138+/-0.087 χ^2/NDF:42.4/43

Out: 0.019+/-0.074 χ^2/NDF:67.3/51

All: -0.047+/-0.056 χ^2/NDF: 111.6/95



Right In: 330.891+/-0.077 χ^2/NDF: 1627447.5/20

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 264.754+/-0.060 χ^2/NDF: 4323489.6/26

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

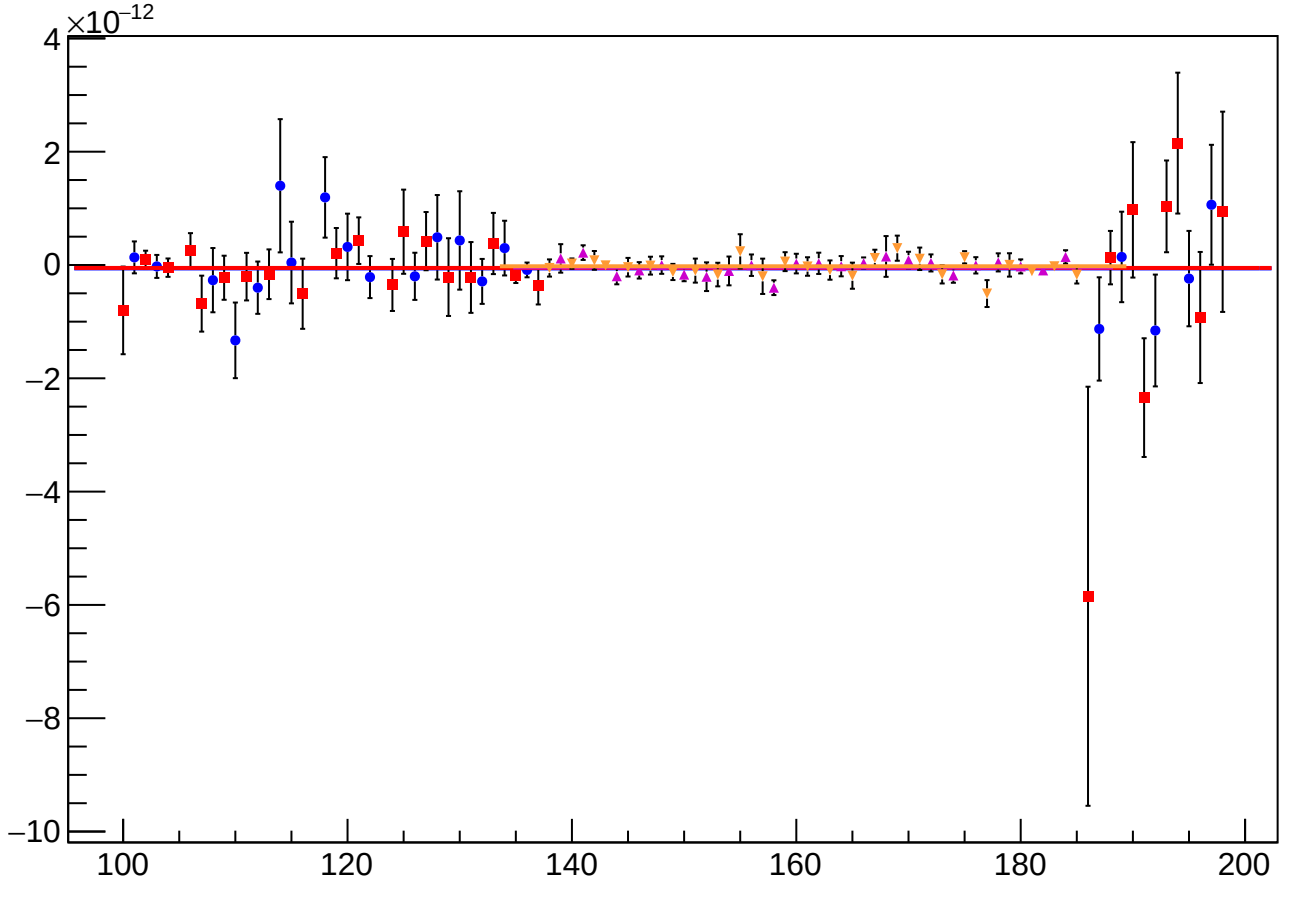
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 290.091+/-0.047 χ^2/NDF: 6409727.5/47

In: 422.548+/-0.061 χ^2/NDF:8550297.8/43

Out: 349.313+/-0.052 χ^2/NDF:16573659.4/51

All: 380.076+/-0.040 χ^2/NDF: 25947855.2/95



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/26

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

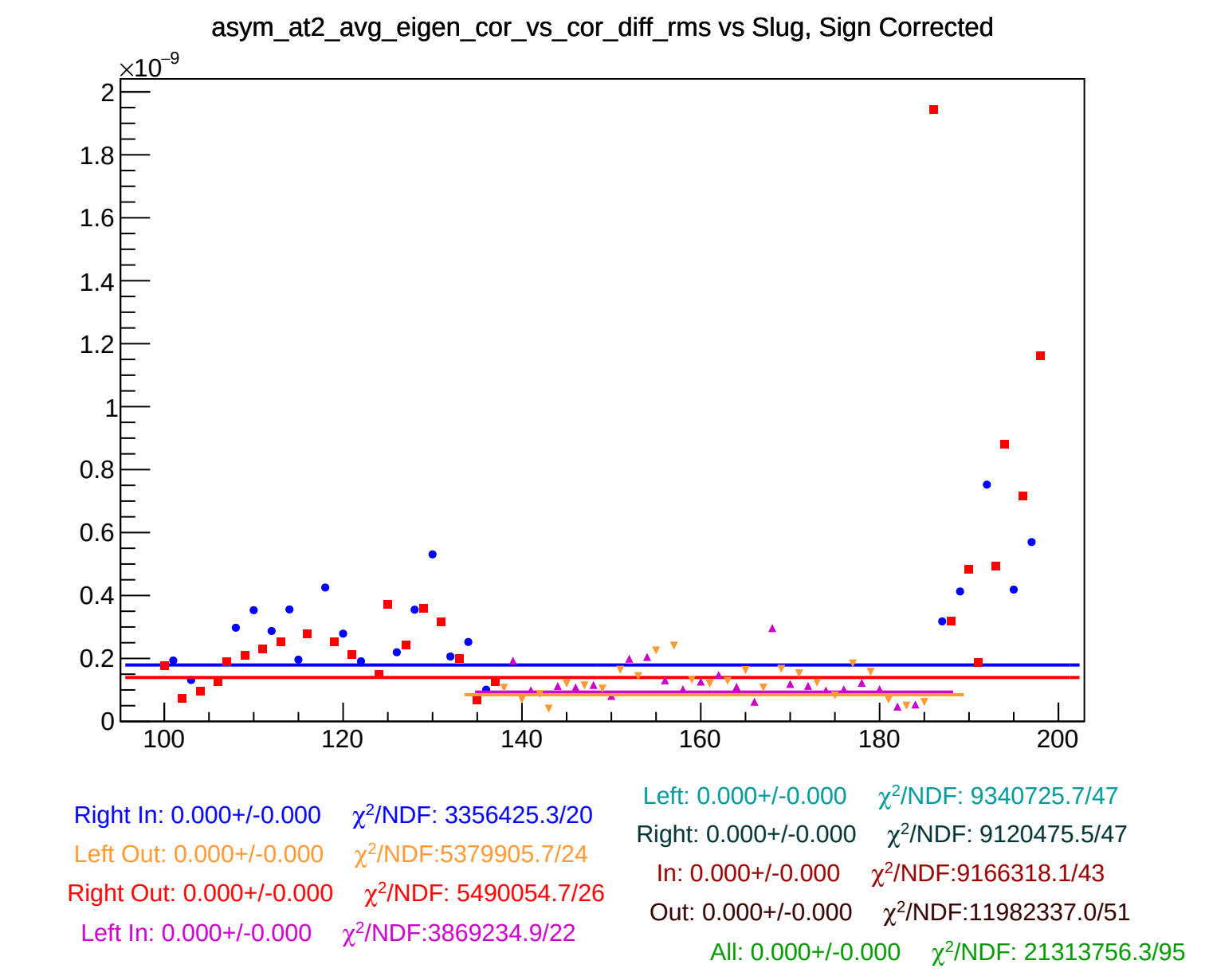
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 41.2/47

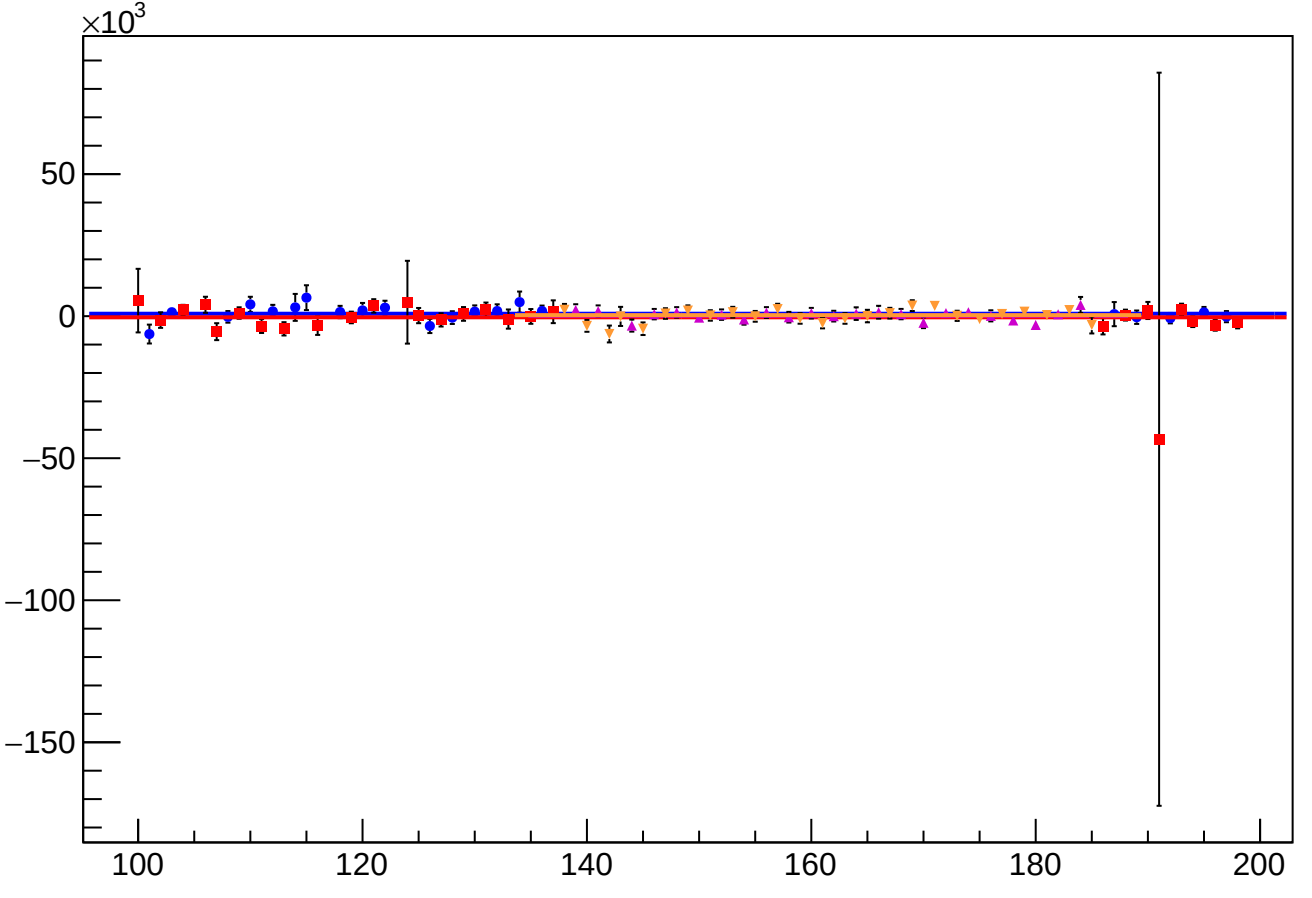
In: -0.000+/-0.000 χ^2/NDF:37.8/43

Out: -0.000+/-0.000 χ^2/NDF:41.9/51

All: -0.000+/-0.000 χ^2/NDF: 80.0/95


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: 3356425.3/20
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 5490054.7/26
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: 9120475.5/47
In: 0.000+/-0.000 χ²/NDF:9166318.1/43
Out: 0.000+/-0.000 χ²/NDF:11982337.0/51
All: 0.000+/-0.000 χ²/NDF: 21313756.3/95

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 858.184+/-515.894 χ^2/NDF: 16.0/20

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: -404.196+/-482.382 χ^2/NDF: 26.2/26

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

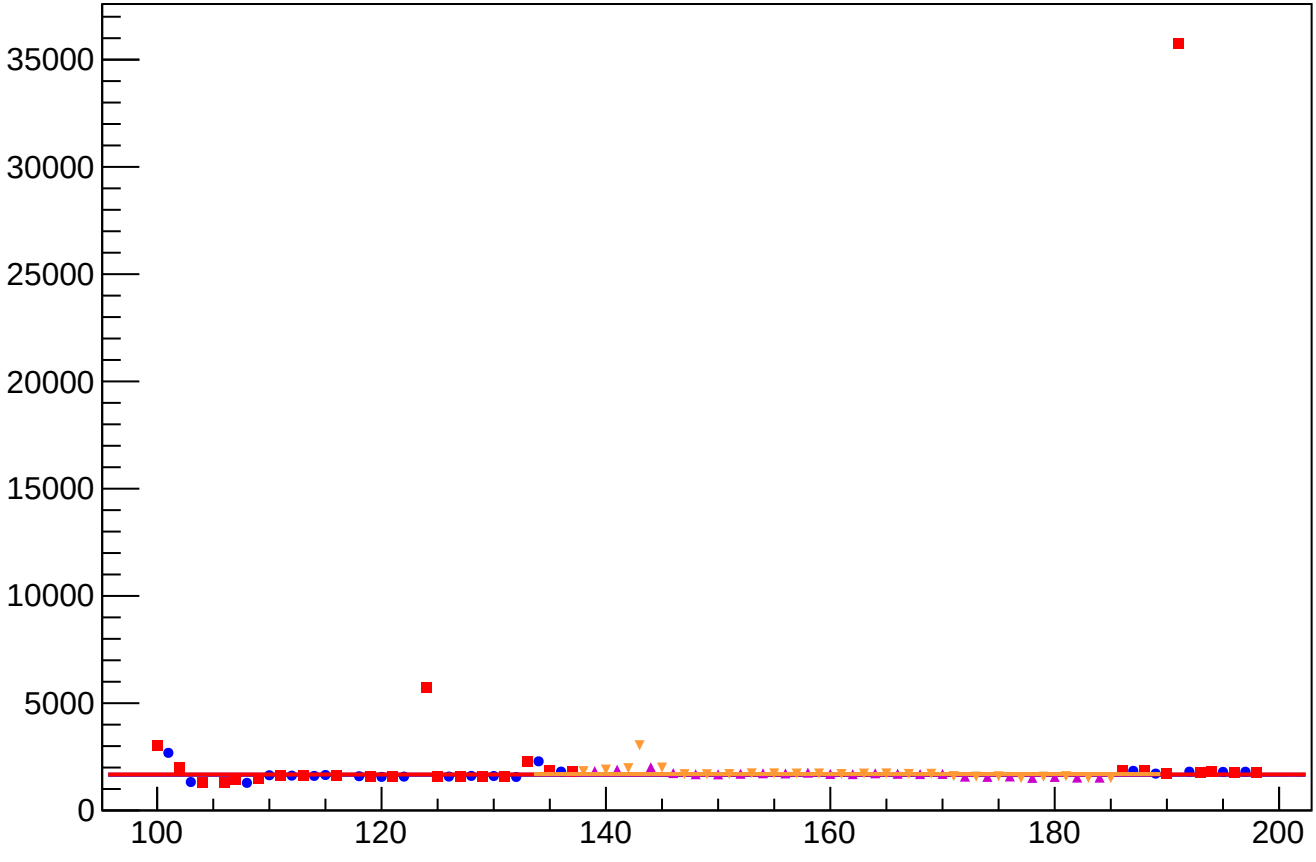
Right: 184.663+/-352.348 χ^2/NDF: 45.4/47

In: 415.545+/-313.255 χ^2/NDF:33.2/43

Out: 60.681+/-302.398 χ^2/NDF:57.3/51

All: 231.857+/-217.564 χ^2/NDF: 91.1/95

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1663.875+/-0.365 χ^2/NDF: 455313.3/20

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1677.417+/-0.341 χ^2/NDF: 660694.9/26

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

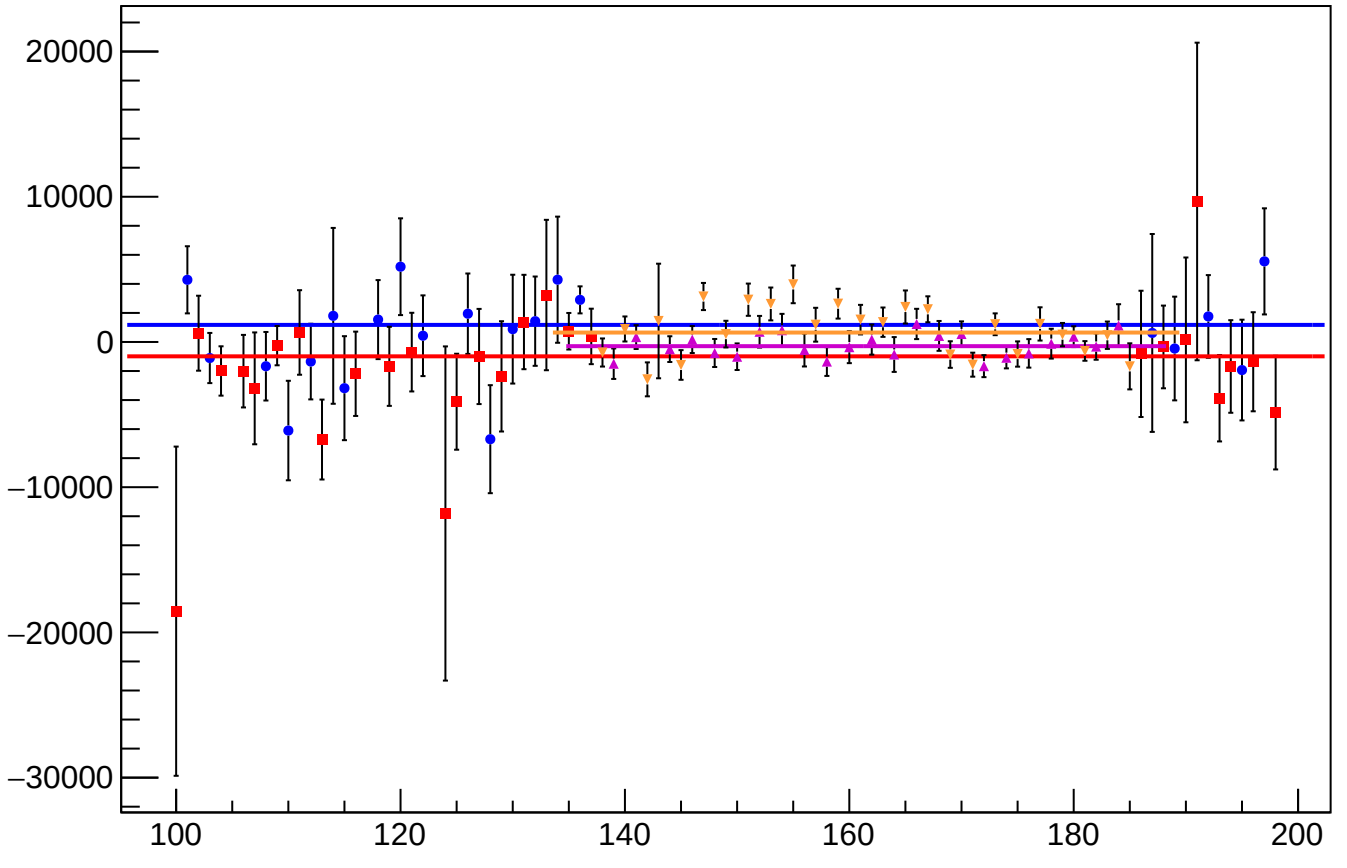
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1671.100+/-0.249 χ^2/NDF: 1116743.3/47

In: 1676.944+/-0.222 χ^2/NDF:622702.0/43

Out: 1689.605+/-0.214 χ^2/NDF:1158196.2/51

All: 1683.498+/-0.154 χ^2/NDF: 1782589.3/95



Right In: 1175.961+/-545.243 χ^2/NDF: 24.5/20

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: -988.909+/-513.227 χ^2/NDF: 17.4/26

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

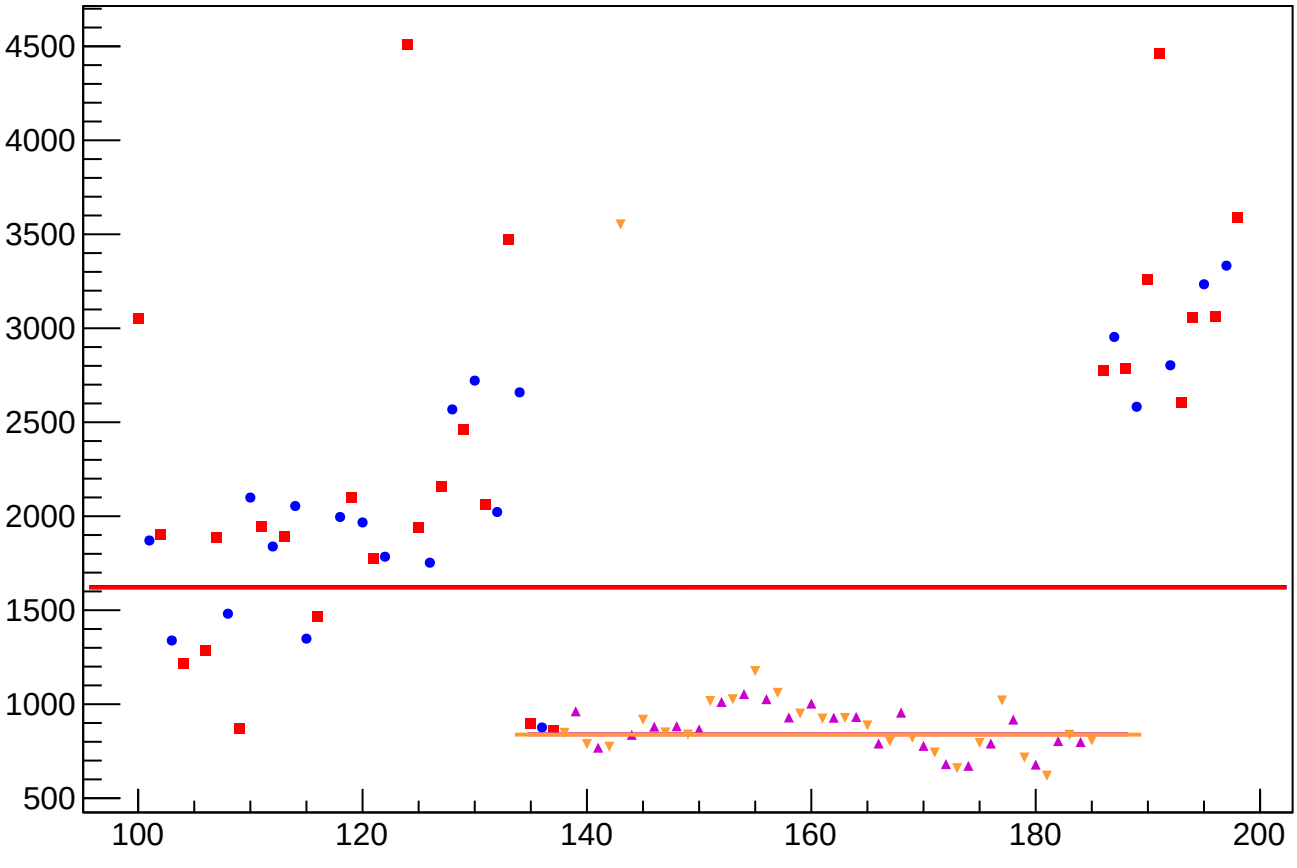
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 28.103+/-373.712 χ^2/NDF: 50.2/47

In: -117.229+/-186.519 χ^2/NDF:47.4/43

Out: 441.279+/-182.833 χ^2/NDF:91.8/51

All: 167.597+/-130.566 χ^2/NDF: 143.7/95



Right In: 1623.162+/-0.386 χ^2/NDF: 3400240.2/20

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1620.380+/-0.363 χ^2/NDF: 4784146.2/26

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

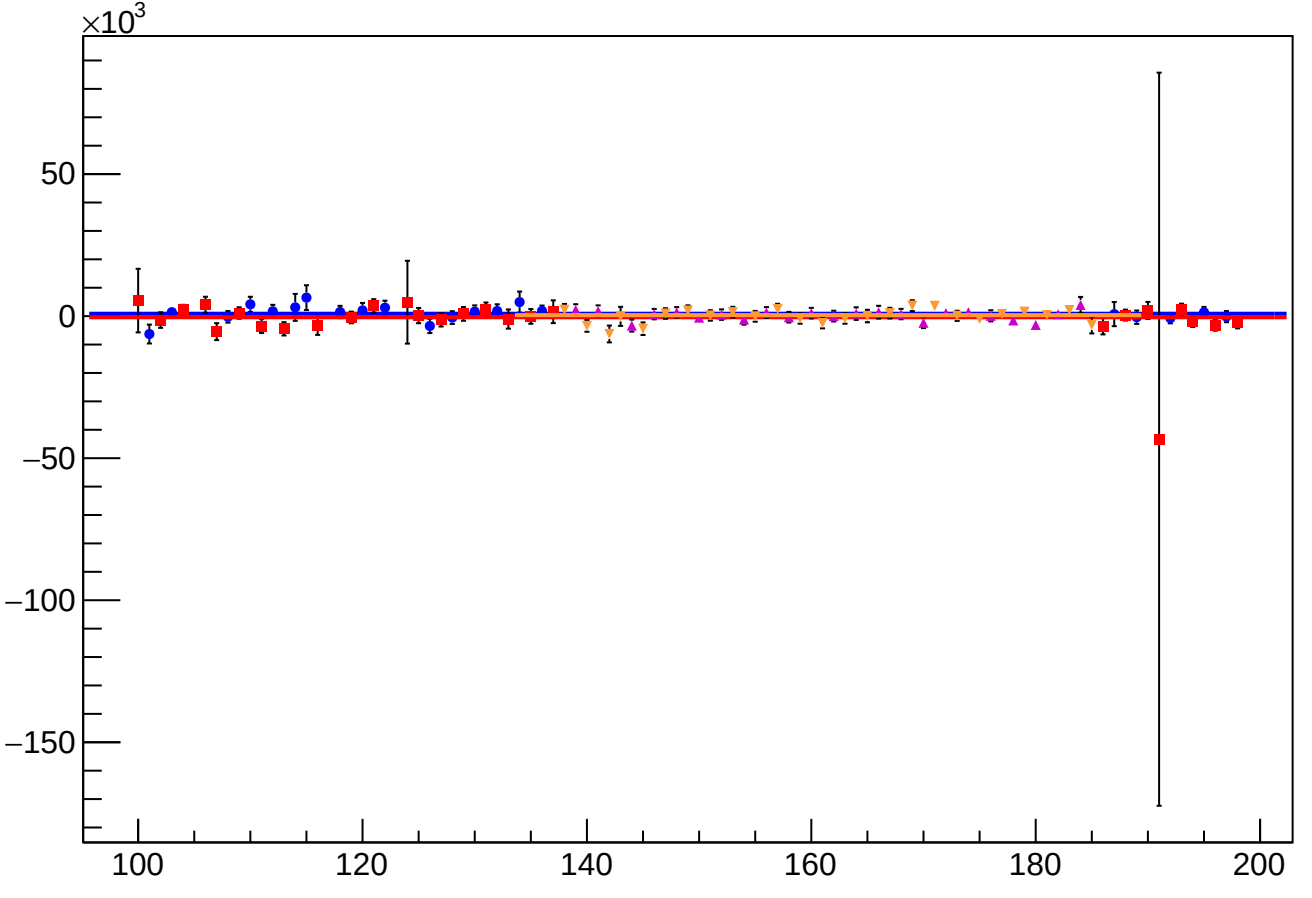
Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

Right: 1621.687+/-0.264 χ^2/NDF: 8184414.0/47

In: 931.625+/-0.132 χ^2/NDF:7713174.5/43

Out: 937.503+/-0.129 χ^2/NDF:10639824.2/51

All: 934.623+/-0.092 χ^2/NDF: 18354011.5/95



Right In: 858.154+/-515.894 χ^2/NDF: 16.0/20

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -404.407+/-482.382 χ^2/NDF: 26.2/26

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

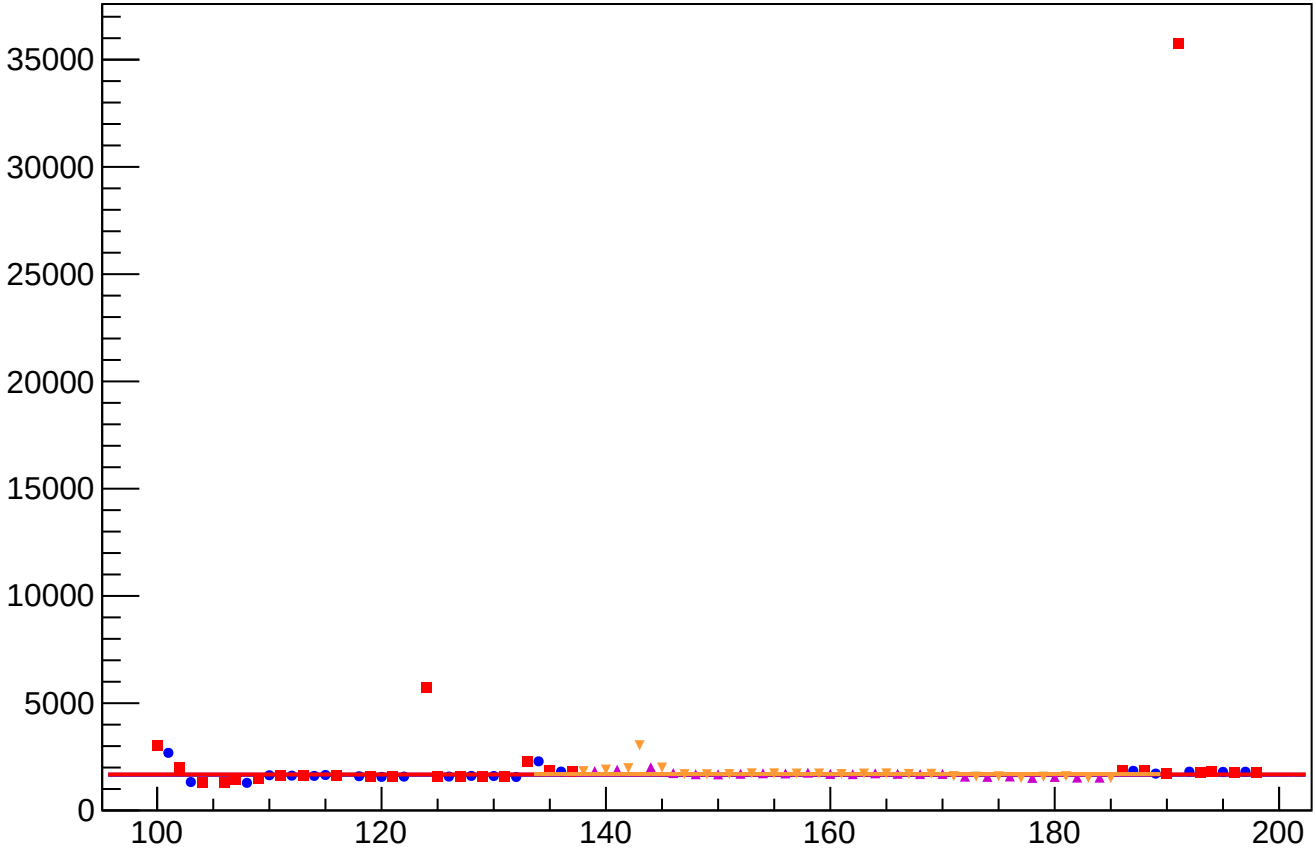
Right: 184.537+/-352.348 χ^2/NDF: 45.4/47

In: 415.475+/-313.255 χ^2/NDF:33.2/43

Out: 60.547+/-302.398 χ^2/NDF:57.3/51

All: 231.753+/-217.564 χ^2/NDF: 91.2/95

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1663.875+/-0.365 χ^2/NDF: 455313.6/20

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1677.417+/-0.341 χ^2/NDF: 660695.0/26

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

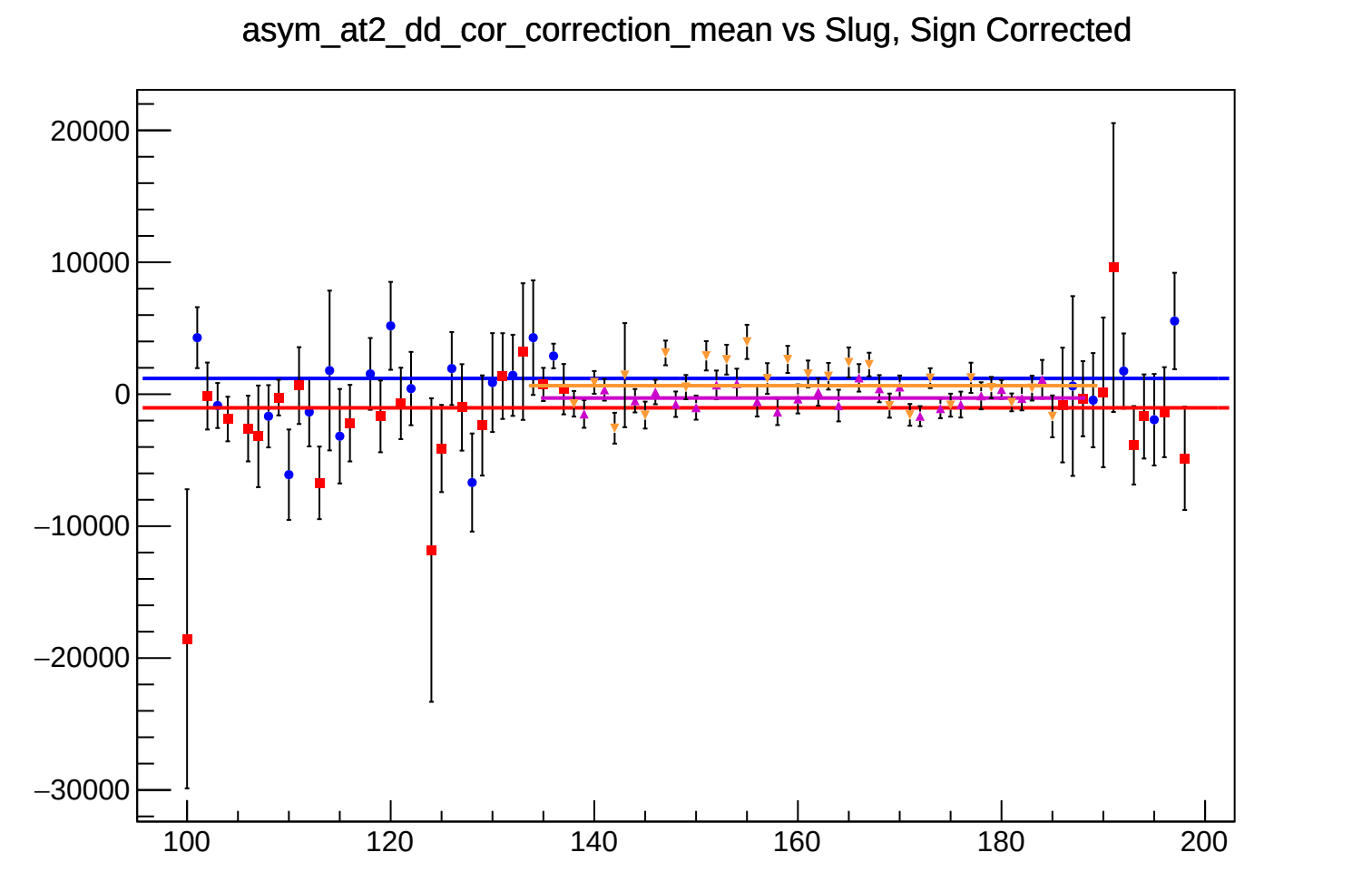
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1671.100+/-0.249 χ^2/NDF: 1116743.8/47

In: 1676.944+/-0.222 χ^2/NDF:622702.4/43

Out: 1689.605+/-0.214 χ^2/NDF:1158196.3/51

All: 1683.498+/-0.154 χ^2/NDF: 1782589.7/95



Right In: 1196.237+/-544.557 χ^2/NDF: 24.2/20

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -1032.539+/-512.625 χ^2/NDF: 17.2/26

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

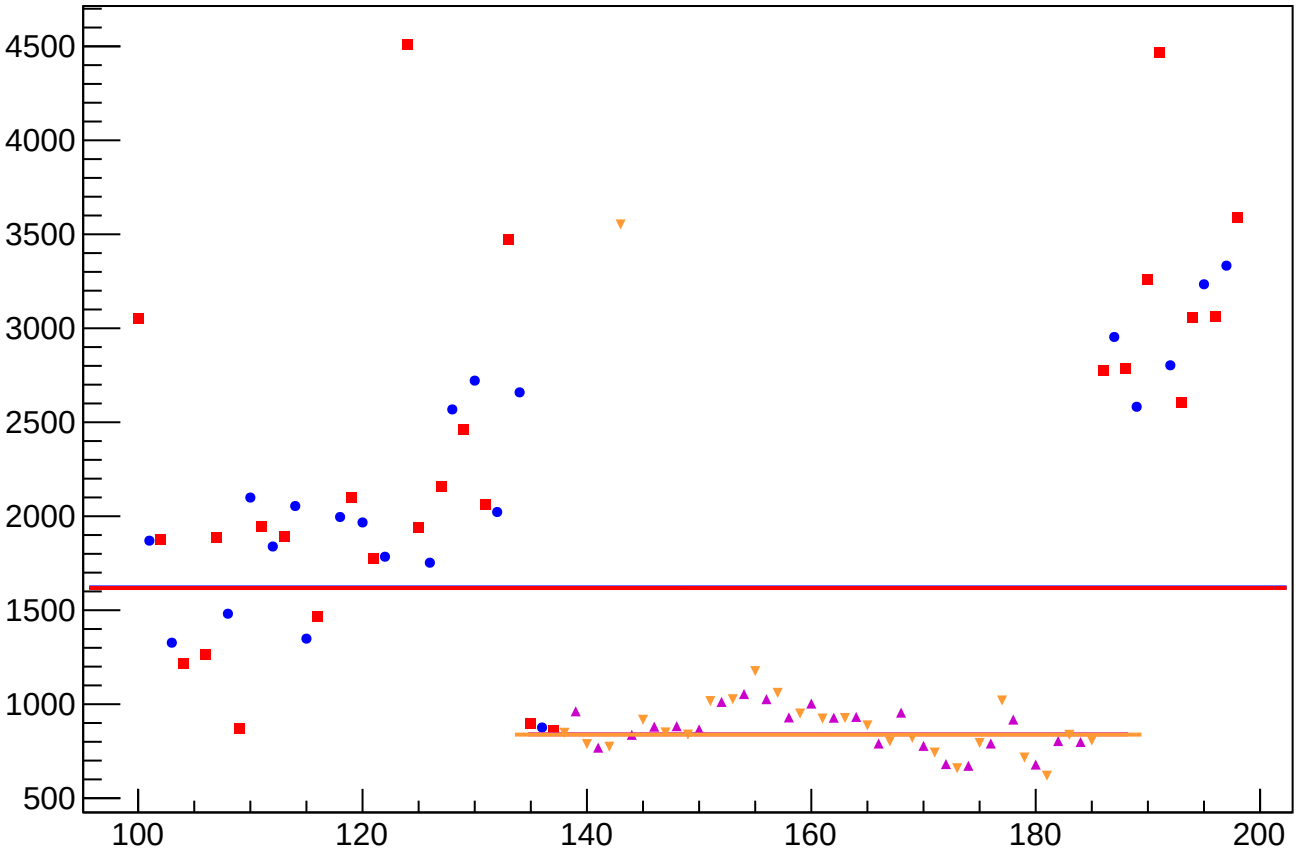
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 14.591+/-373.259 χ^2/NDF: 50.3/47

In: -114.456+/-186.492 χ^2/NDF:47.3/43

Out: 435.299+/-182.808 χ^2/NDF:92.2/51

All: 165.905+/-130.548 χ^2/NDF: 143.9/95



Right In: 1621.229+/-0.385 χ^2/NDF: 3406037.0/20

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1618.083+/-0.362 χ^2/NDF: 4787474.5/26

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

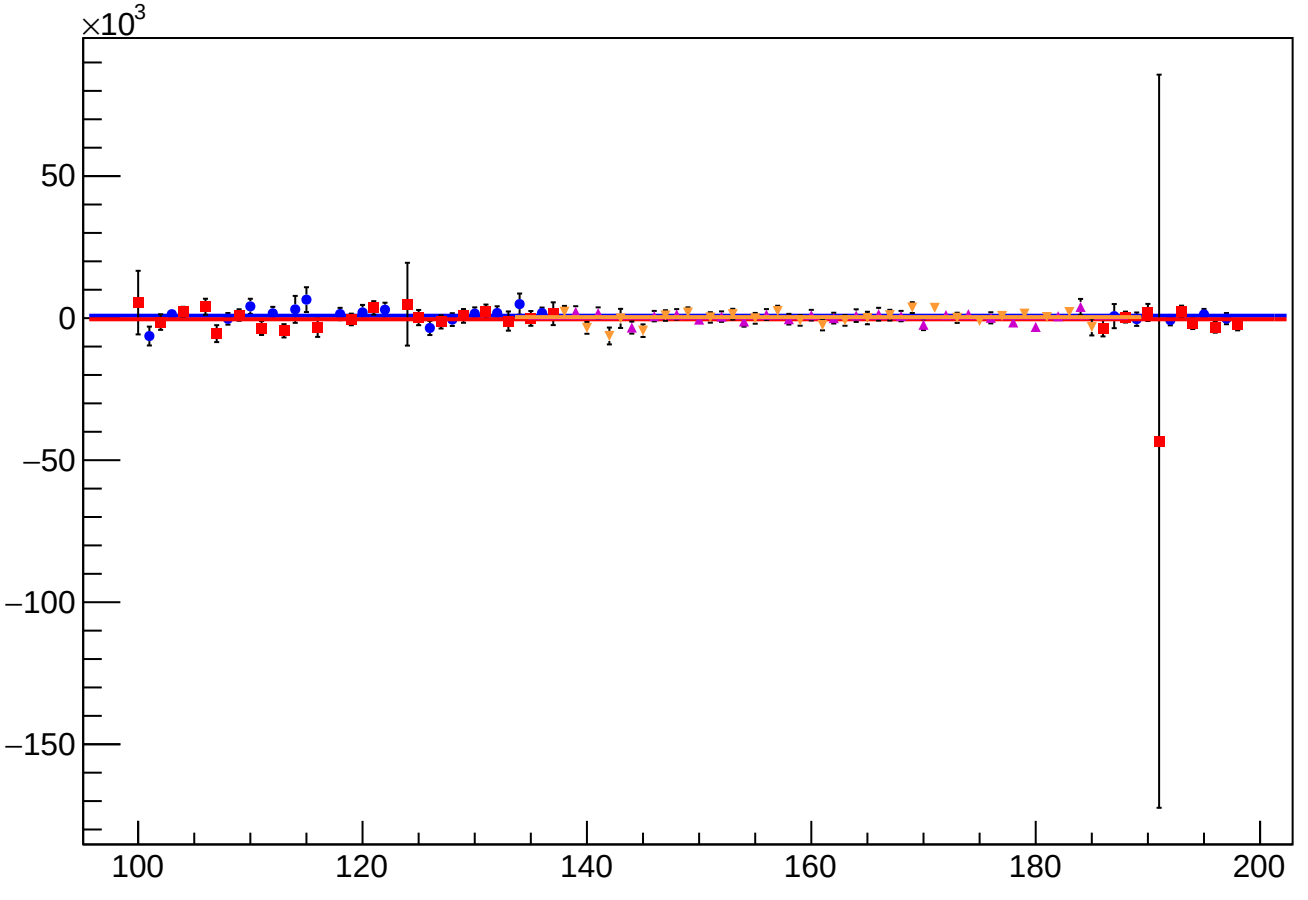
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1619.561+/-0.264 χ^2/NDF: 8193546.8/47

In: 931.605+/-0.132 χ^2/NDF:7709055.7/43

Out: 937.426+/-0.129 χ^2/NDF:10627394.0/51

All: 934.574+/-0.092 χ^2/NDF: 18337443.4/95



Right In: 858.154+/-515.894 χ^2/NDF: 16.0/20

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -404.407+/-482.382 χ^2/NDF: 26.2/26

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

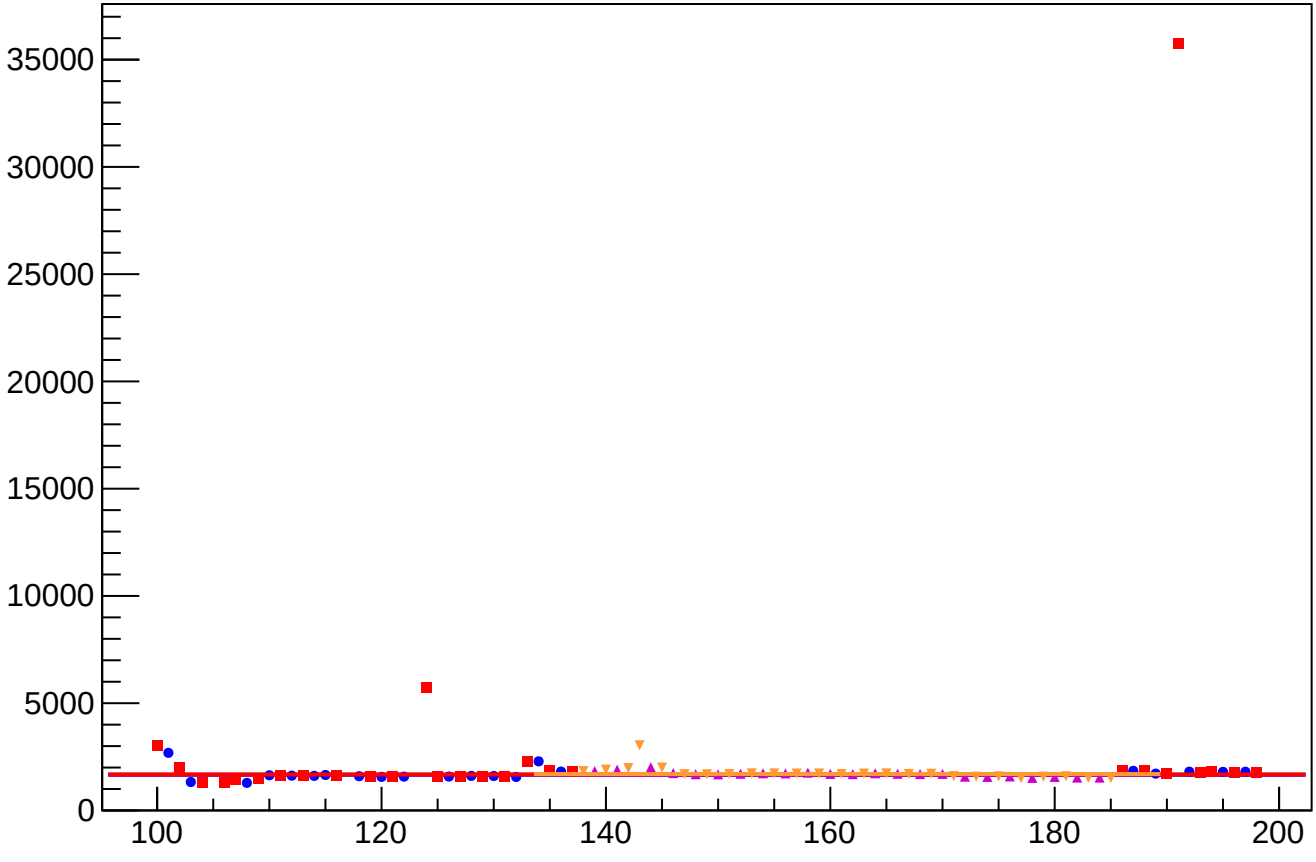
Right: 184.537+/-352.348 χ^2/NDF: 45.4/47

In: 415.475+/-313.255 χ^2/NDF:33.2/43

Out: 60.547+/-302.398 χ^2/NDF:57.3/51

All: 231.753+/-217.564 χ^2/NDF: 91.2/95

eigen_cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1663.875+/-0.365 χ^2/NDF: 455313.6/20

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1677.417+/-0.341 χ^2/NDF: 660695.0/26

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

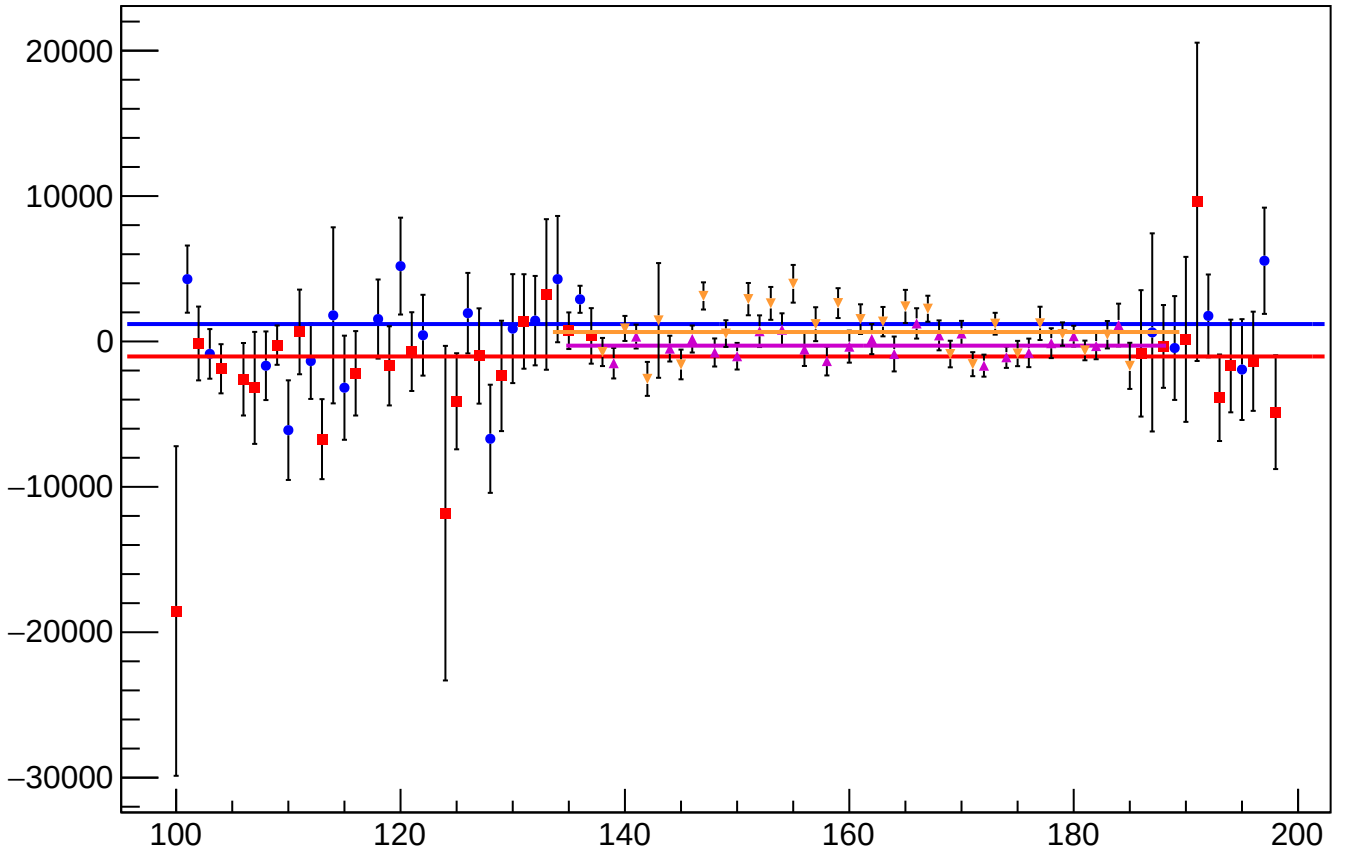
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1671.100+/-0.249 χ^2/NDF: 1116743.8/47

In: 1676.944+/-0.222 χ^2/NDF:622702.4/43

Out: 1689.605+/-0.214 χ^2/NDF:1158196.3/51

All: 1683.498+/-0.154 χ^2/NDF: 1782589.7/95



Right In: 1196.237+/-544.557 χ^2/NDF: 24.2/20

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -1032.539+/-512.625 χ^2/NDF: 17.2/26

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

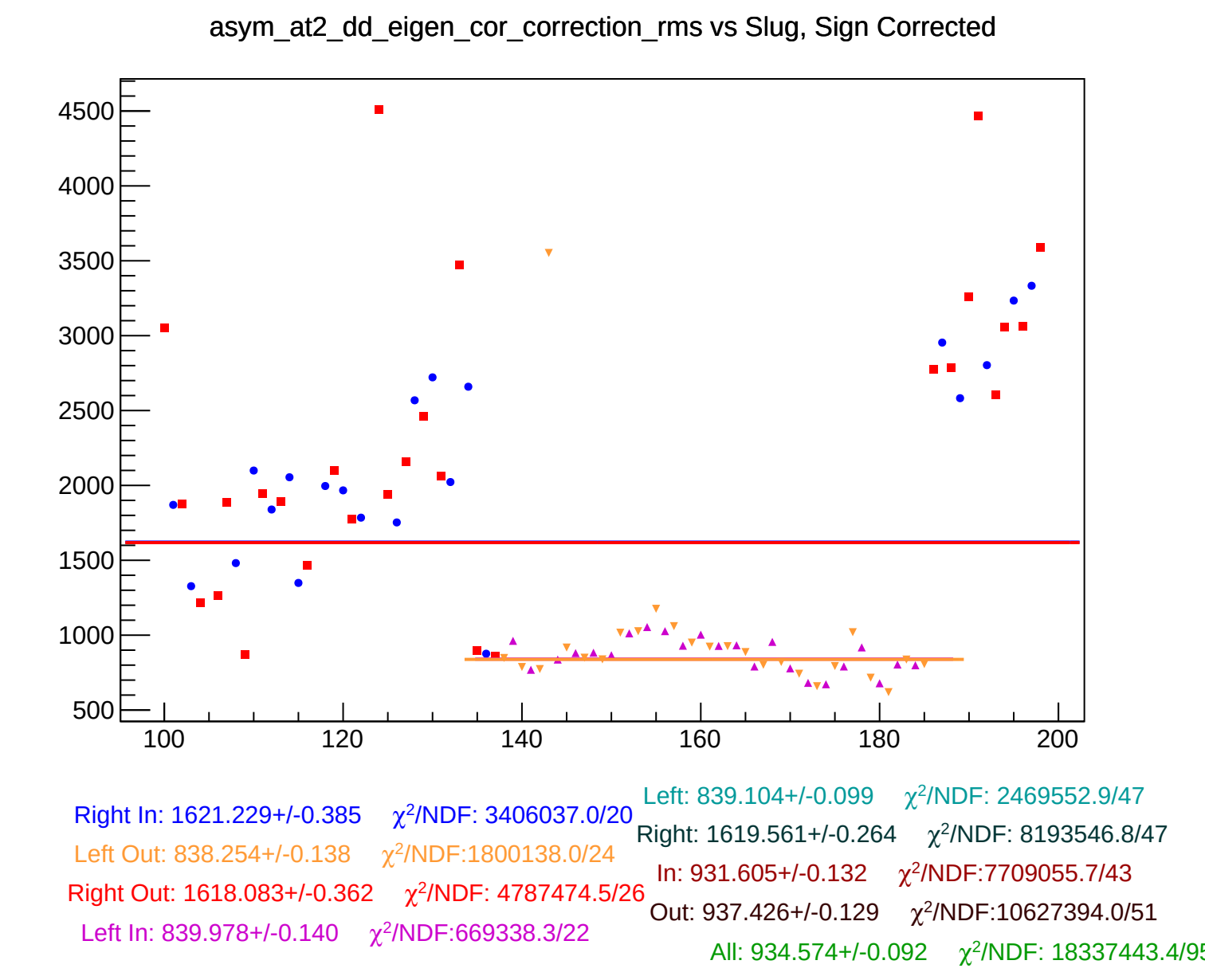
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

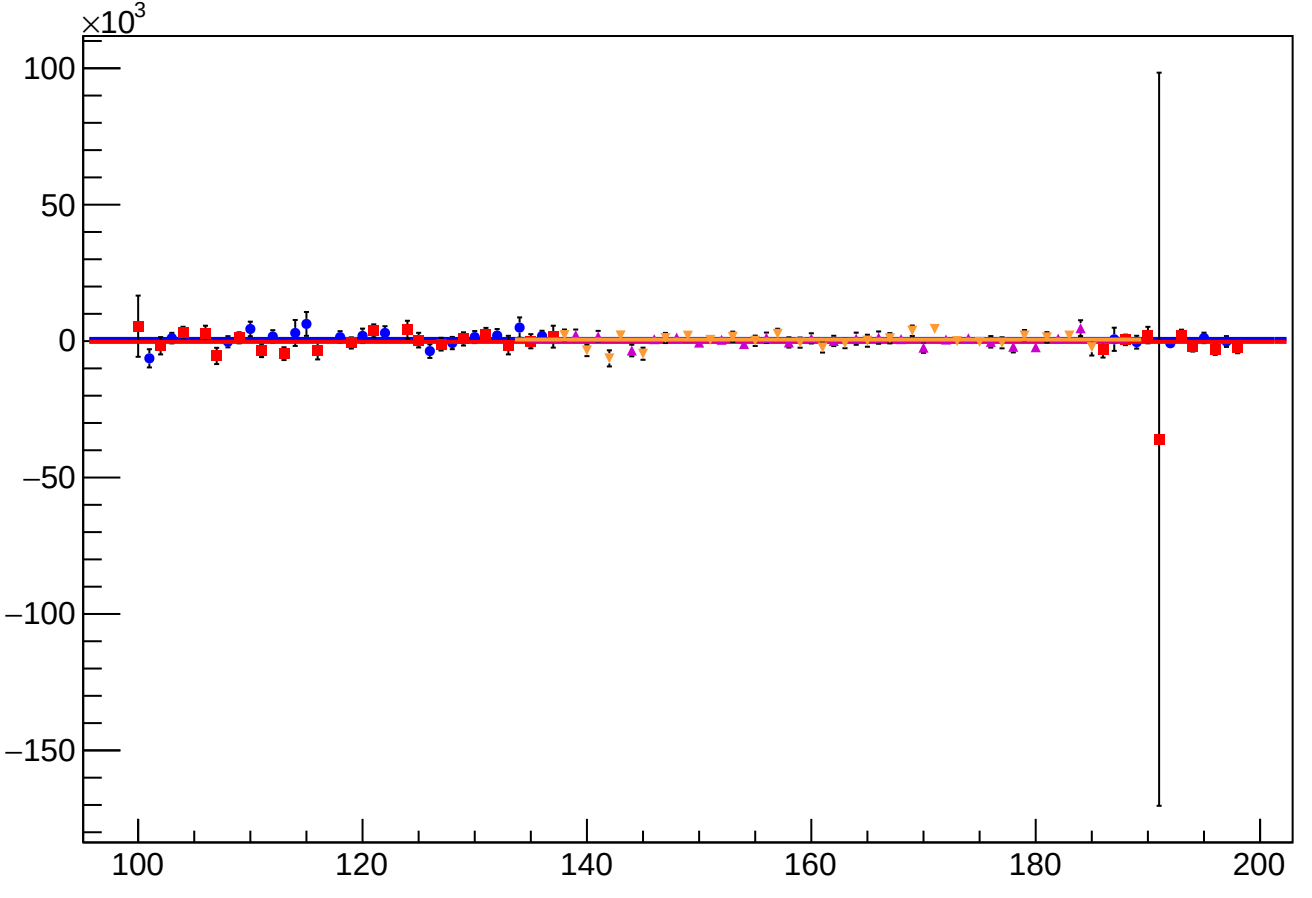
Right: 14.591+/-373.259 χ^2/NDF: 50.3/47

In: -114.456+/-186.492 χ^2/NDF:47.3/43

Out: 435.299+/-182.808 χ^2/NDF:92.2/51

All: 165.905+/-130.548 χ^2/NDF: 143.9/95


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: 1621.229+/-0.385 χ²/NDF: 3406037.0/20
Left Out: 838.254+/-0.138 χ²/NDF:1800138.0/24
Right Out: 1618.083+/-0.362 χ²/NDF: 4787474.5/26
Left In: 839.978+/-0.140 χ²/NDF:669338.3/22
Left: 839.104+/-0.099 χ²/NDF: 2469552.9/47
Right: 1619.561+/-0.264 χ²/NDF: 8193546.8/47
In: 931.605+/-0.132 χ²/NDF:7709055.7/43
Out: 937.426+/-0.129 χ²/NDF:10627394.0/51
All: 934.574+/-0.092 χ²/NDF: 18337443.4/95



Right In: 809.365+/-521.288 χ^2/NDF: 16.6/20

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: -287.971+/-482.830 χ^2/NDF: 28.4/26

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

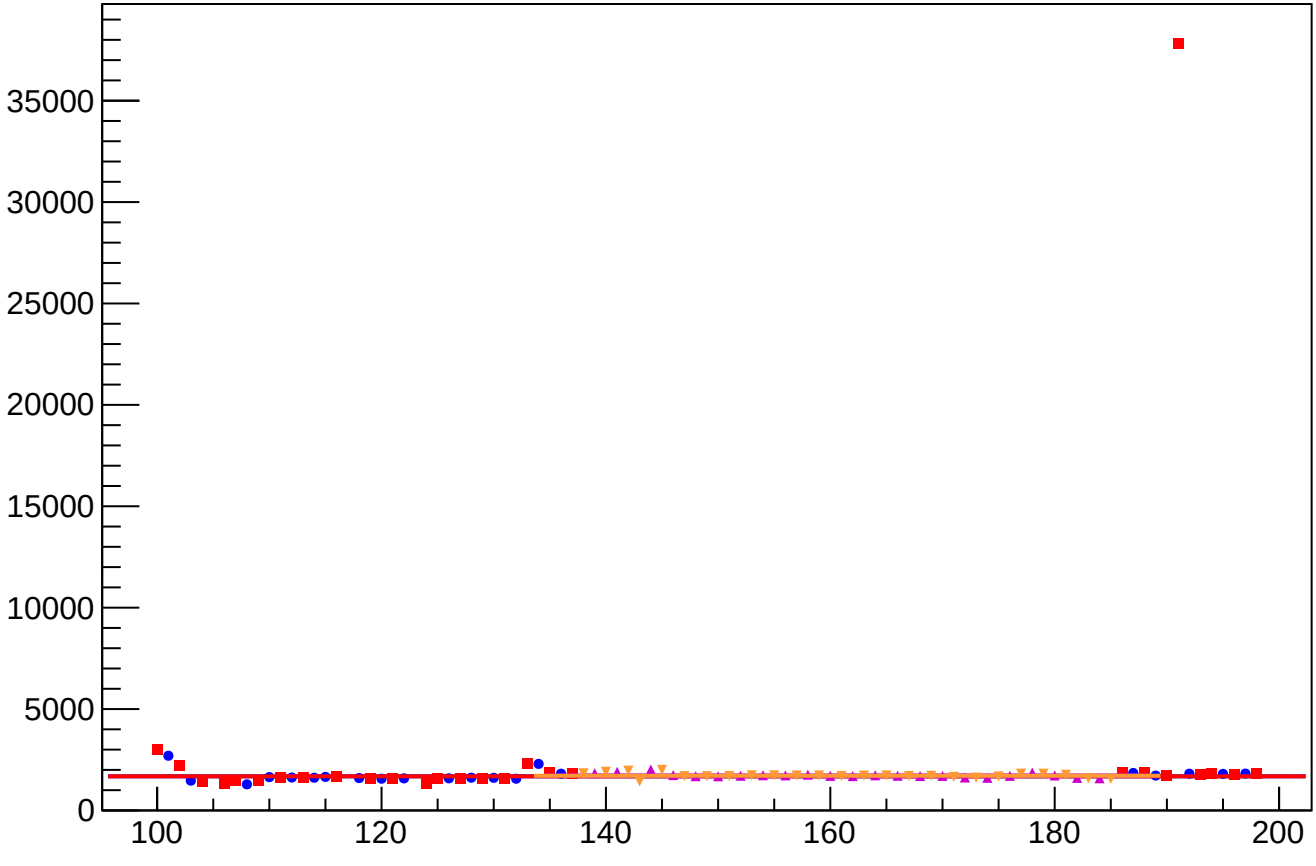
Right: 218.730+/-354.229 χ^2/NDF: 47.3/47

In: 419.881+/-319.374 χ^2/NDF:31.9/43

Out: 237.722+/-303.281 χ^2/NDF:62.3/51

All: 324.097+/-219.921 χ^2/NDF: 94.3/95

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1683.418+/-0.369 χ^2/NDF: 402742.9/20

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1683.502+/-0.341 χ^2/NDF: 521044.9/26

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

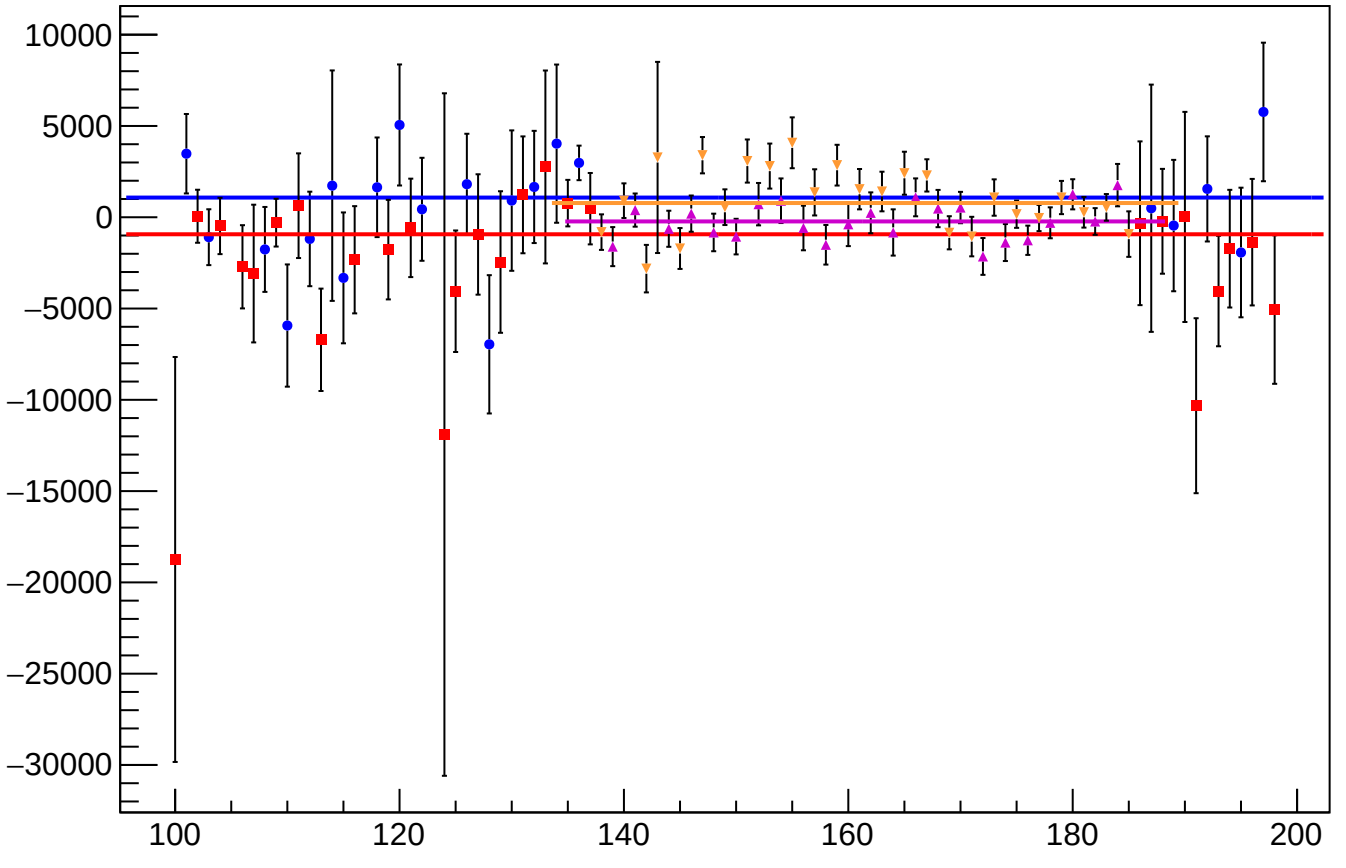
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1683.463+/-0.250 χ^2/NDF: 923787.9/47

In: 1711.211+/-0.226 χ^2/NDF:512071.4/43

Out: 1700.581+/-0.214 χ^2/NDF:693184.8/51

All: 1705.622+/-0.156 χ^2/NDF: 1206421.2/95



Right In: 1077.825+/-540.028 χ^2/NDF: 24.5/20

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: -932.189+/-485.455 χ^2/NDF: 19.9/26

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

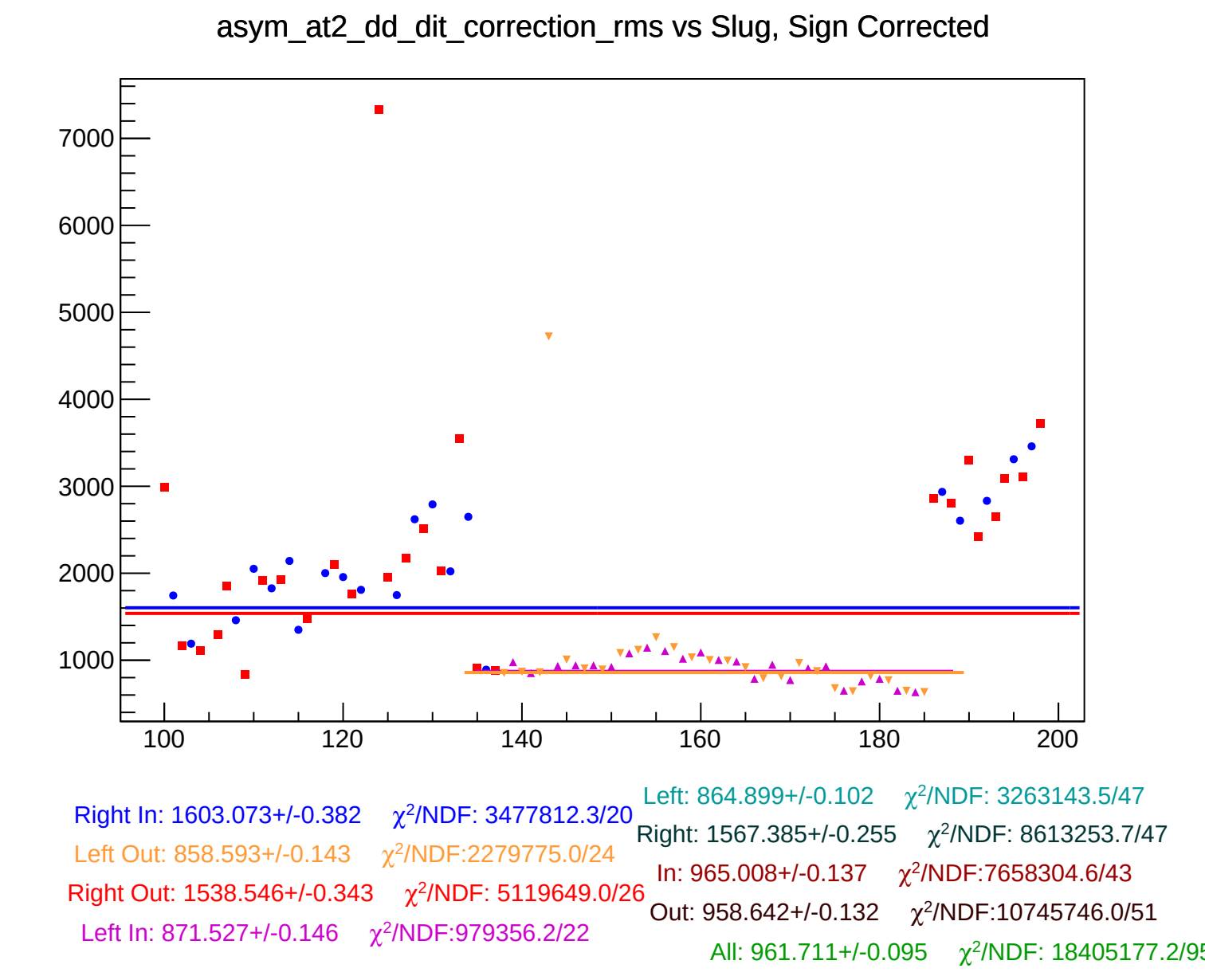
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

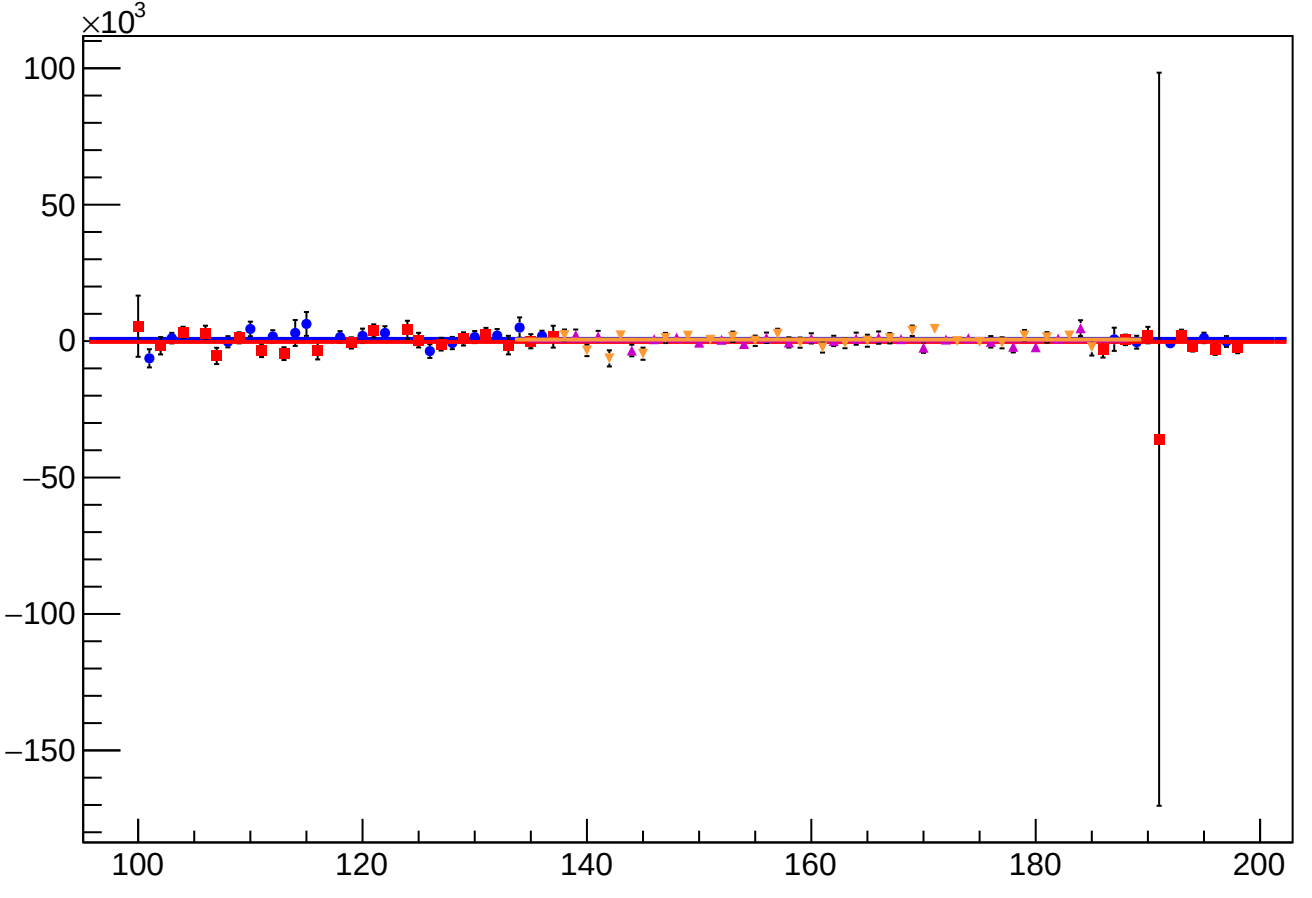
Right: -33.846+/-361.025 χ^2/NDF: 52.1/47

In: -61.899+/-193.045 χ^2/NDF:52.2/43

Out: 527.190+/-186.216 χ^2/NDF:85.0/51

All: 243.249+/-134.024 χ^2/NDF: 142.1/95


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: 1603.073+/-0.382 χ²/NDF: 3477812.3/20
Left Out: 858.593+/-0.143 χ²/NDF:2279775.0/24
Right Out: 1538.546+/-0.343 χ²/NDF: 5119649.0/26
Left In: 871.527+/-0.146 χ²/NDF:979356.2/22
Left: 864.899+/-0.102 χ²/NDF: 3263143.5/47
Right: 1567.385+/-0.255 χ²/NDF: 8613253.7/47
In: 965.008+/-0.137 χ²/NDF:7658304.6/43
Out: 958.642+/-0.132 χ²/NDF:10745746.0/51
All: 961.711+/-0.095 χ²/NDF: 18405177.2/95



Right In: 809.365+/-521.288 χ^2/NDF: 16.6/20

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: -287.969+/-482.830 χ^2/NDF: 28.4/26

Left In: 185.837+/-404.094 χ^2/NDF:14.4/22

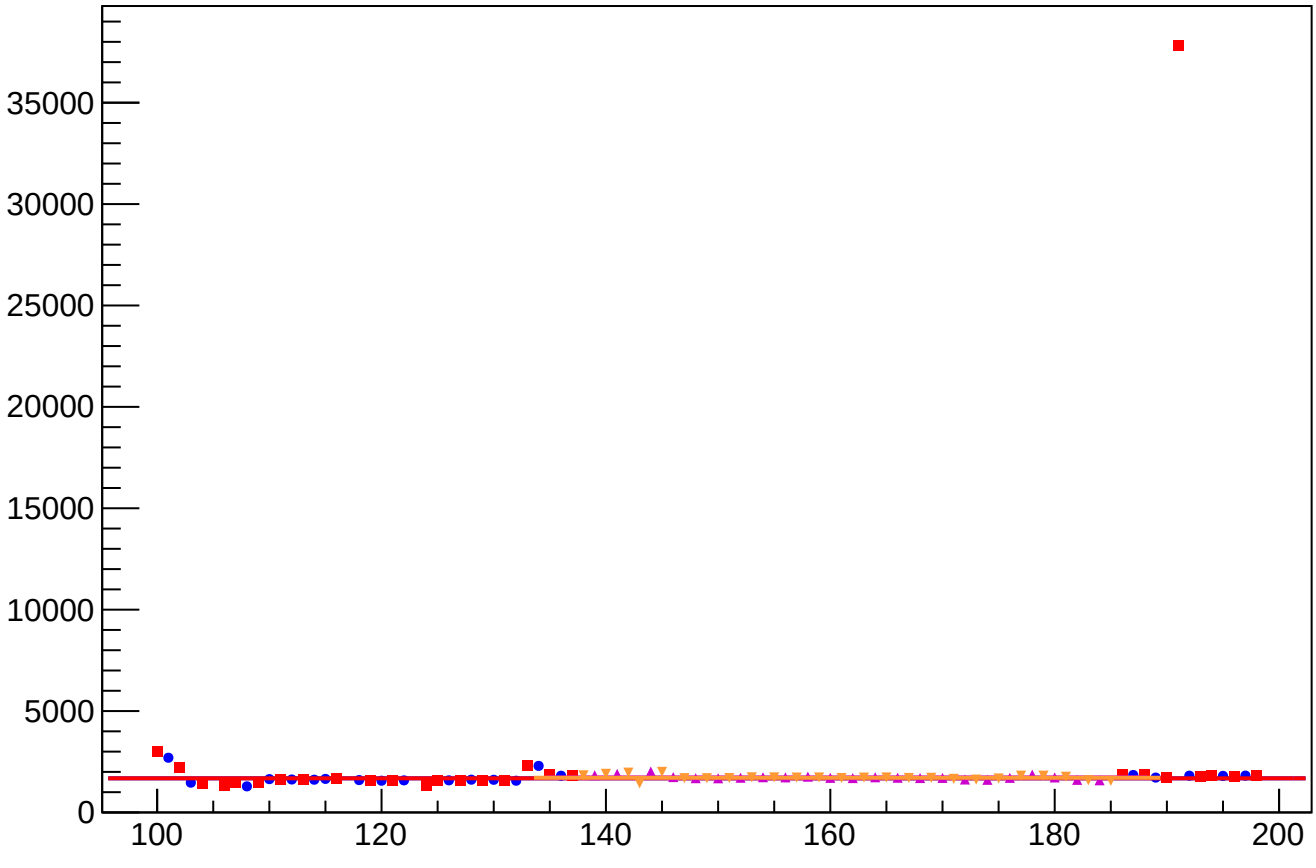
Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

Right: 218.731+/-354.229 χ^2/NDF: 47.3/47

In: 419.881+/-319.374 χ^2/NDF:31.9/43

Out: 237.720+/-303.281 χ^2/NDF:62.3/51

All: 324.096+/-219.921 χ^2/NDF: 94.3/95



Right In: 1683.418+/-0.369 χ^2/NDF: 402742.6/20

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1683.502+/-0.341 χ^2/NDF: 521045.0/26

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

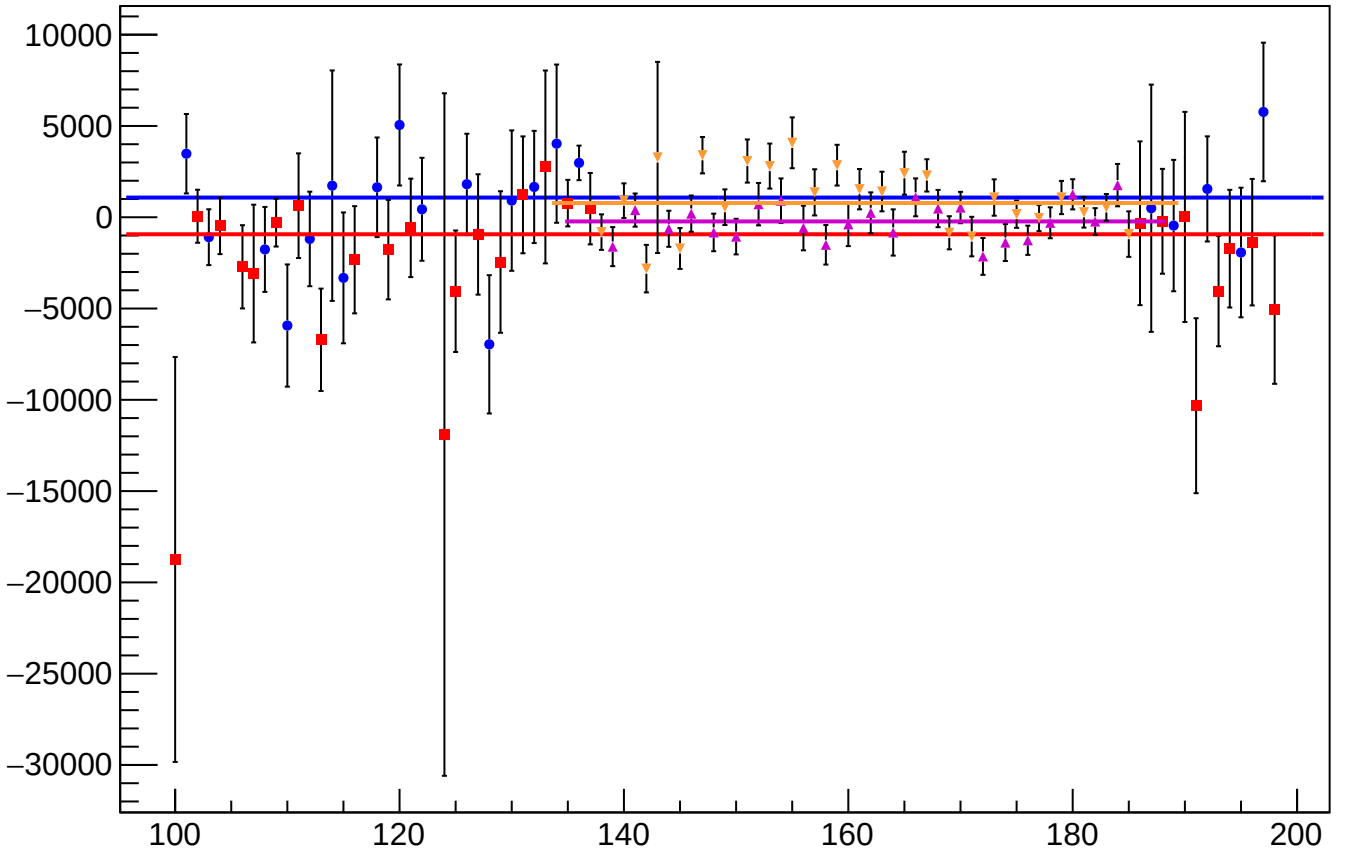
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1683.463+/-0.250 χ^2/NDF: 923787.6/47

In: 1711.211+/-0.226 χ^2/NDF:512071.0/43

Out: 1700.581+/-0.214 χ^2/NDF:693183.6/51

All: 1705.621+/-0.156 χ^2/NDF: 1206419.6/95



Right In: 1077.817+/-540.031 χ^2/NDF: 24.5/20

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: -932.205+/-485.458 χ^2/NDF: 19.9/26

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

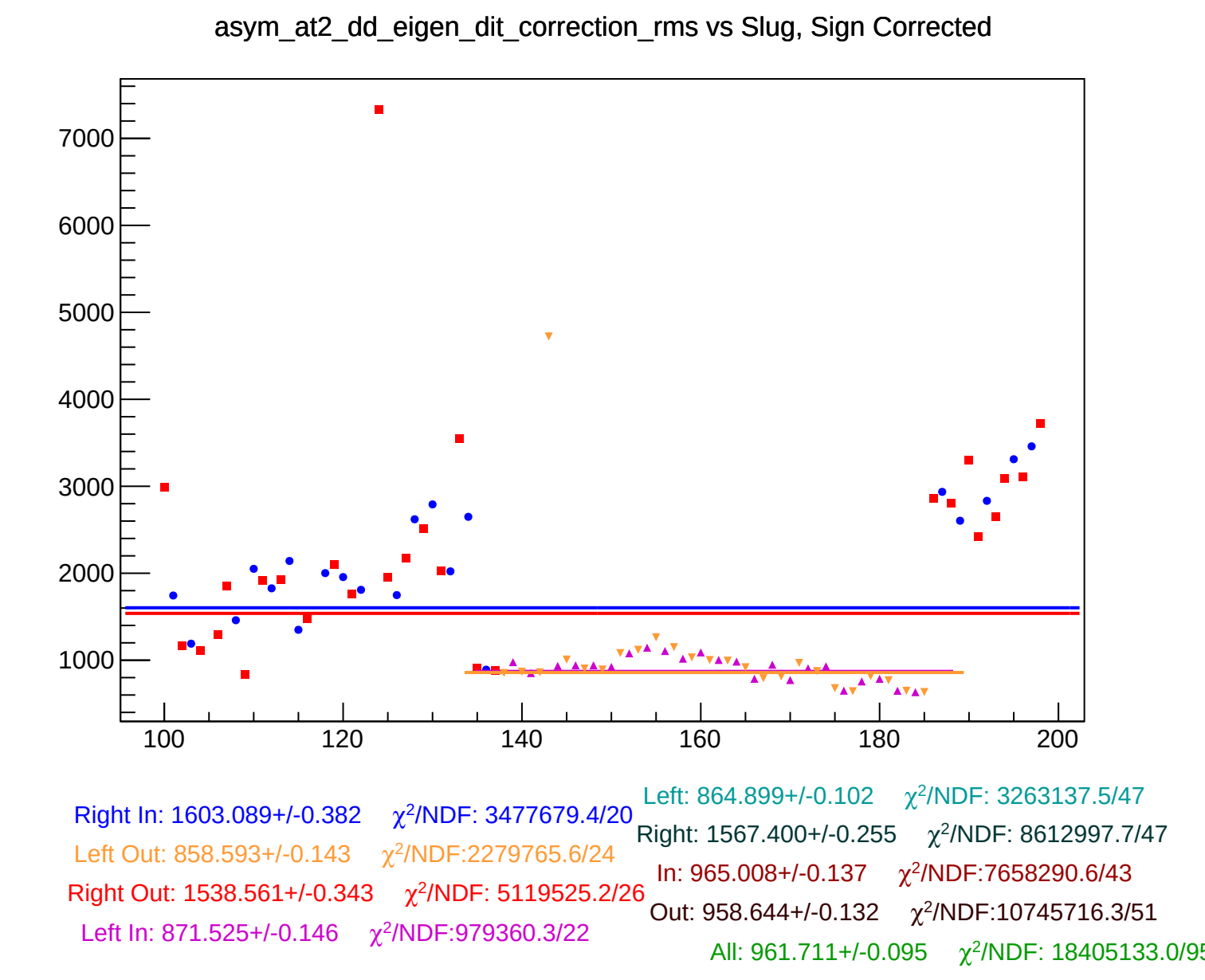
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: -33.859+/-361.027 χ^2/NDF: 52.1/47

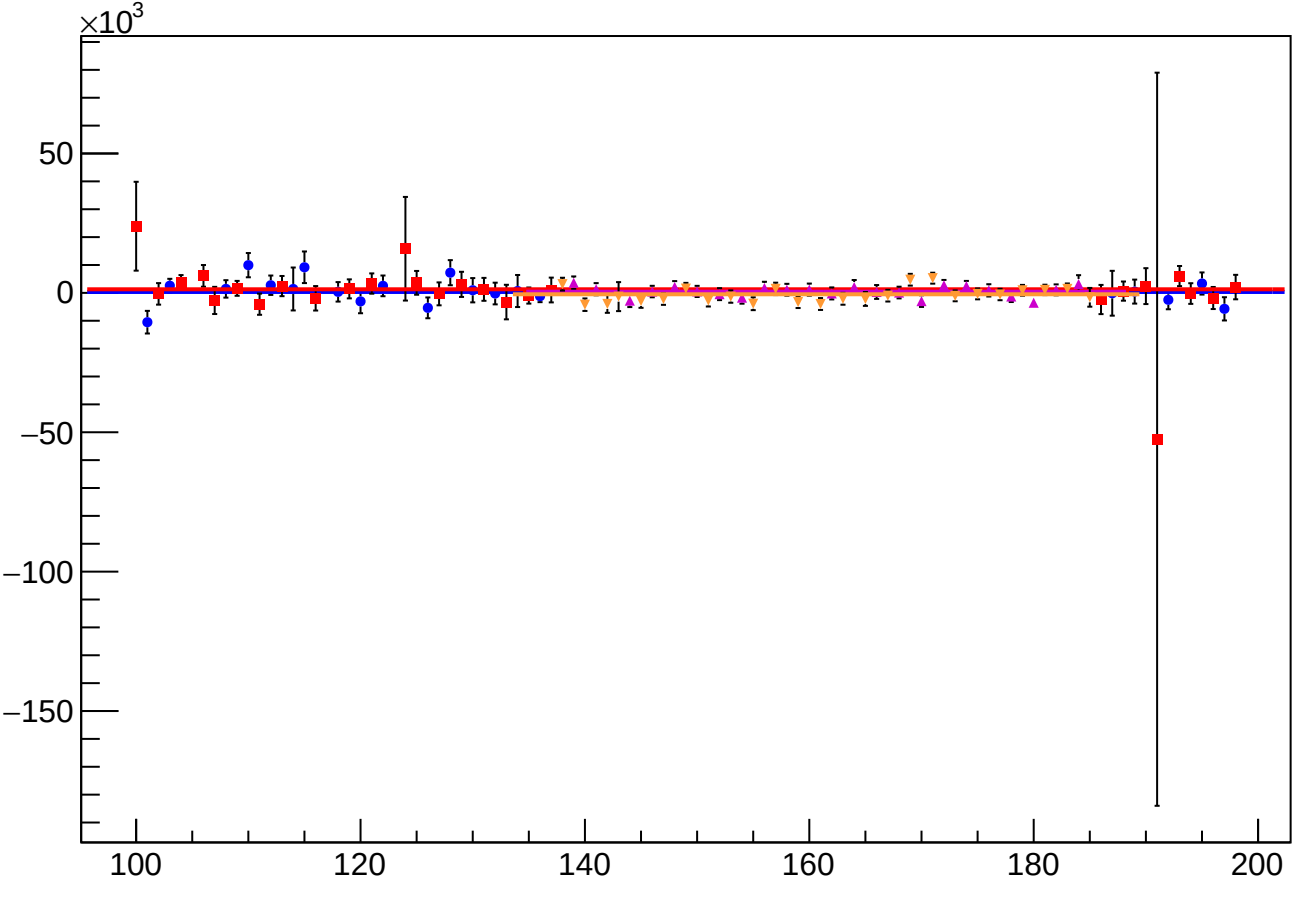
In: -61.900+/-193.045 χ^2/NDF:52.2/43

Out: 527.193+/-186.216 χ^2/NDF:85.0/51

All: 243.250+/-134.024 χ^2/NDF: 142.1/95


asym_at2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 1603.089+/-0.382 χ²/NDF: 3477679.4/20
Left Out: 858.593+/-0.143 χ²/NDF:2279765.6/24
Right Out: 1538.561+/-0.343 χ²/NDF: 5119525.2/26
Left In: 871.525+/-0.146 χ²/NDF:979360.3/22
Left: 864.899+/-0.102 χ²/NDF: 3263137.5/47
Right: 1567.400+/-0.255 χ²/NDF: 8612997.7/47
In: 965.008+/-0.137 χ²/NDF:7658290.6/43
Out: 958.644+/-0.132 χ²/NDF:10745716.3/51
All: 961.711+/-0.095 χ²/NDF: 18405133.0/95

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 327.106+/-820.293 χ^2/NDF: 25.5/20

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: 1286.123+/-773.514 χ^2/NDF: 14.1/26

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

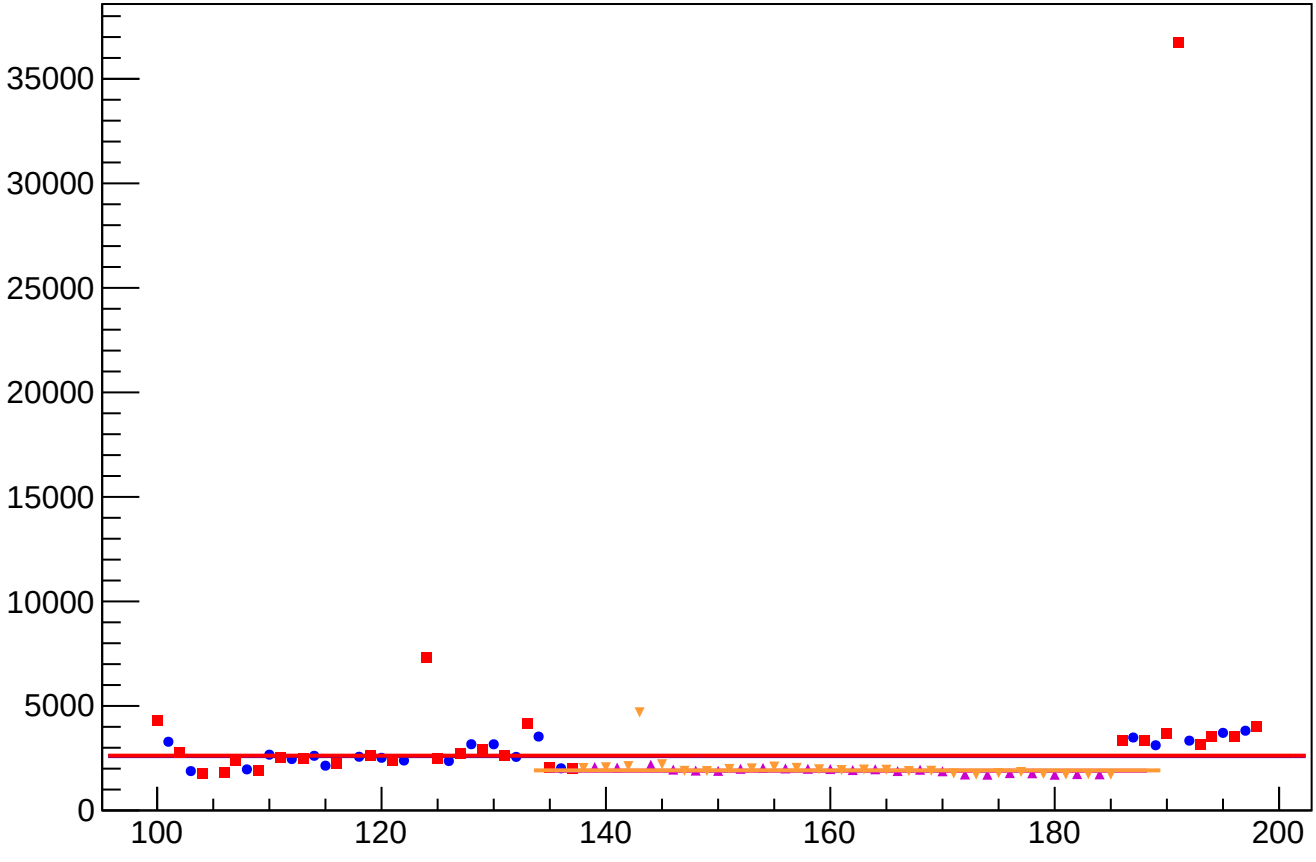
Right: 834.738+/-562.768 χ^2/NDF: 40.3/47

In: 392.203+/-390.860 χ^2/NDF:44.4/43

Out: -64.622+/-382.399 χ^2/NDF:54.1/51

All: 158.792+/-273.339 χ^2/NDF: 99.1/95

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2600.100+/-0.580 χ^2/NDF: 1083023.8/20

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2621.089+/-0.547 χ^2/NDF: 1715515.0/26

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

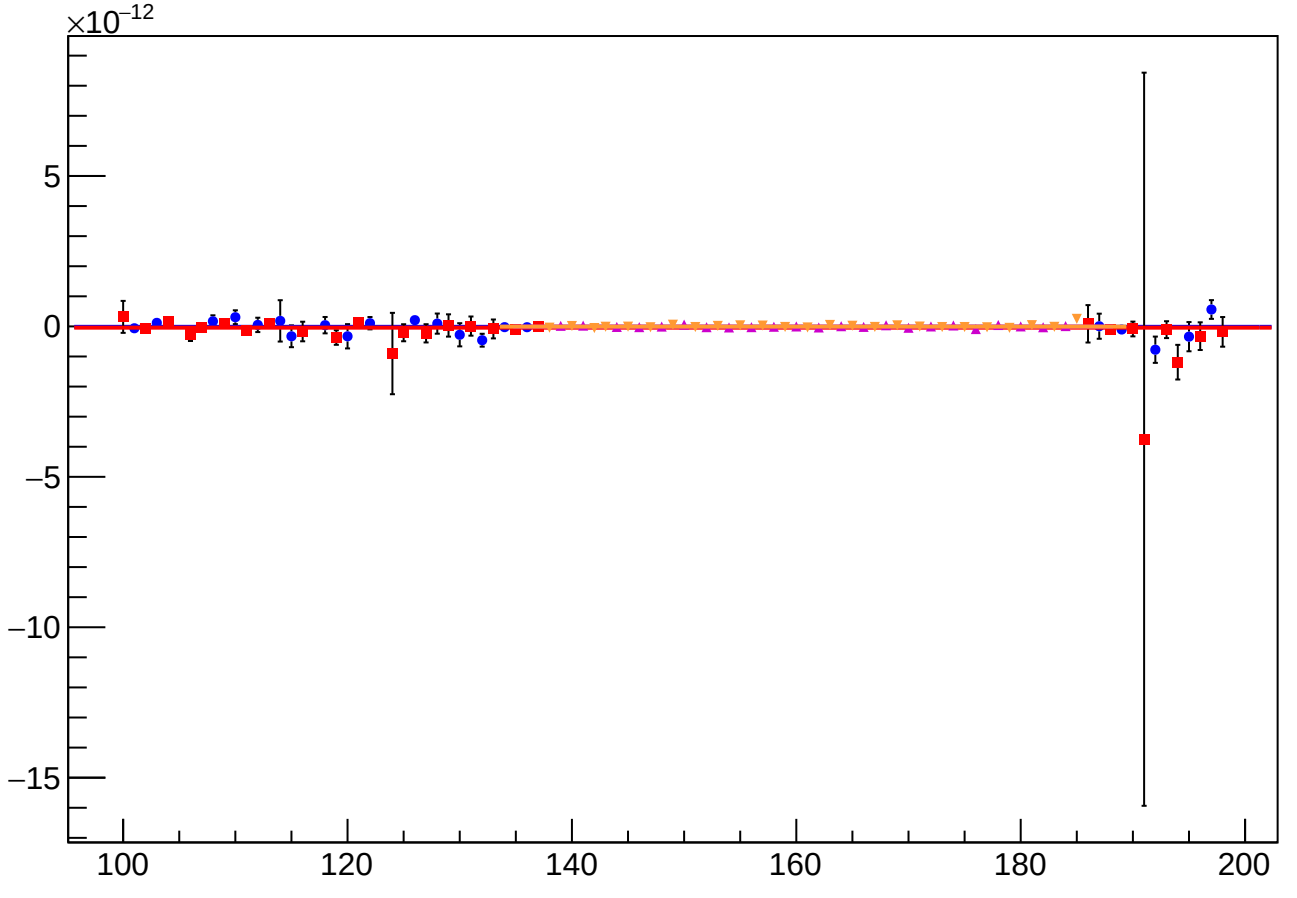
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2611.210+/-0.398 χ^2/NDF: 2799231.9/47

In: 2058.368+/-0.276 χ^2/NDF:2384909.8/43

Out: 2089.198+/-0.270 χ^2/NDF:3723460.2/51

All: 2074.121+/-0.193 χ^2/NDF: 6114727.7/95



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/26

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

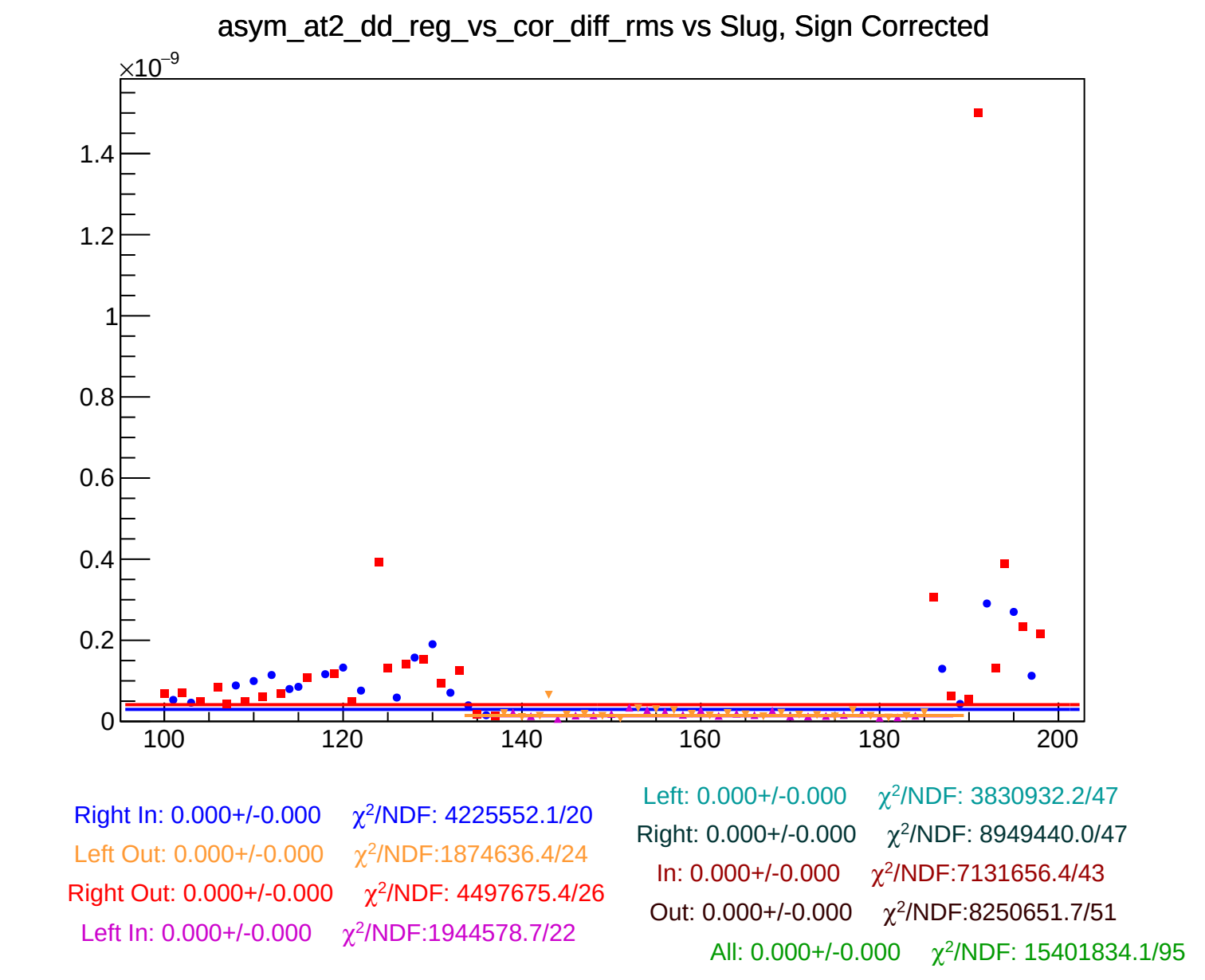
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 42.9/47

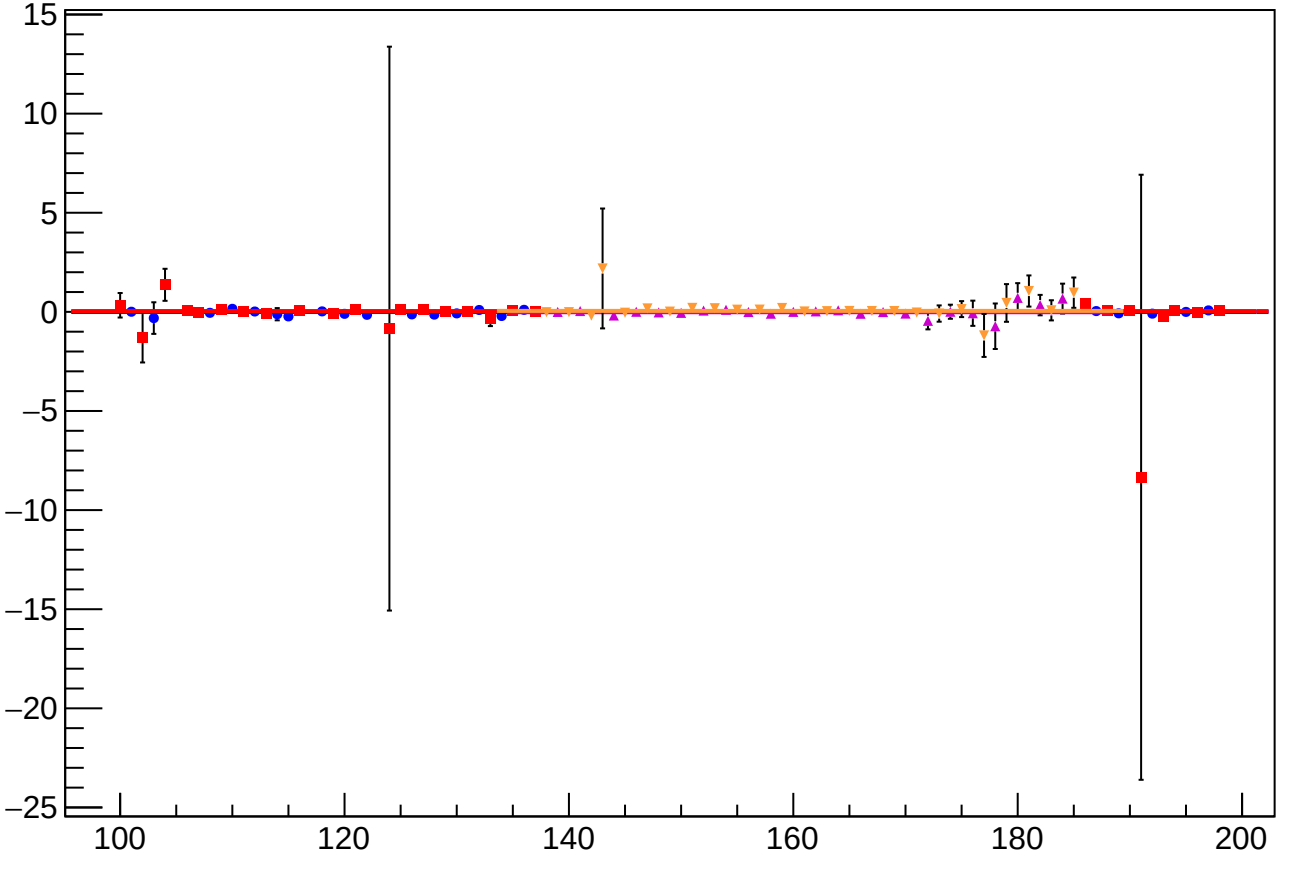
In: -0.000+/-0.000 χ^2/NDF:47.2/43

Out: -0.000+/-0.000 χ^2/NDF:50.4/51

All: -0.000+/-0.000 χ^2/NDF: 97.6/95


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: 4225552.1/20
Left Out: 0.000+/-0.000 χ²/NDF:1874636.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 4497675.4/26
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: 8949440.0/47
In: 0.000+/-0.000 χ²/NDF:7131656.4/43
Out: 0.000+/-0.000 χ²/NDF:8250651.7/51
All: 0.000+/-0.000 χ²/NDF: 15401834.1/95

asym_at2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/20

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.040+/-0.021 χ^2/NDF: 22.6/26

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

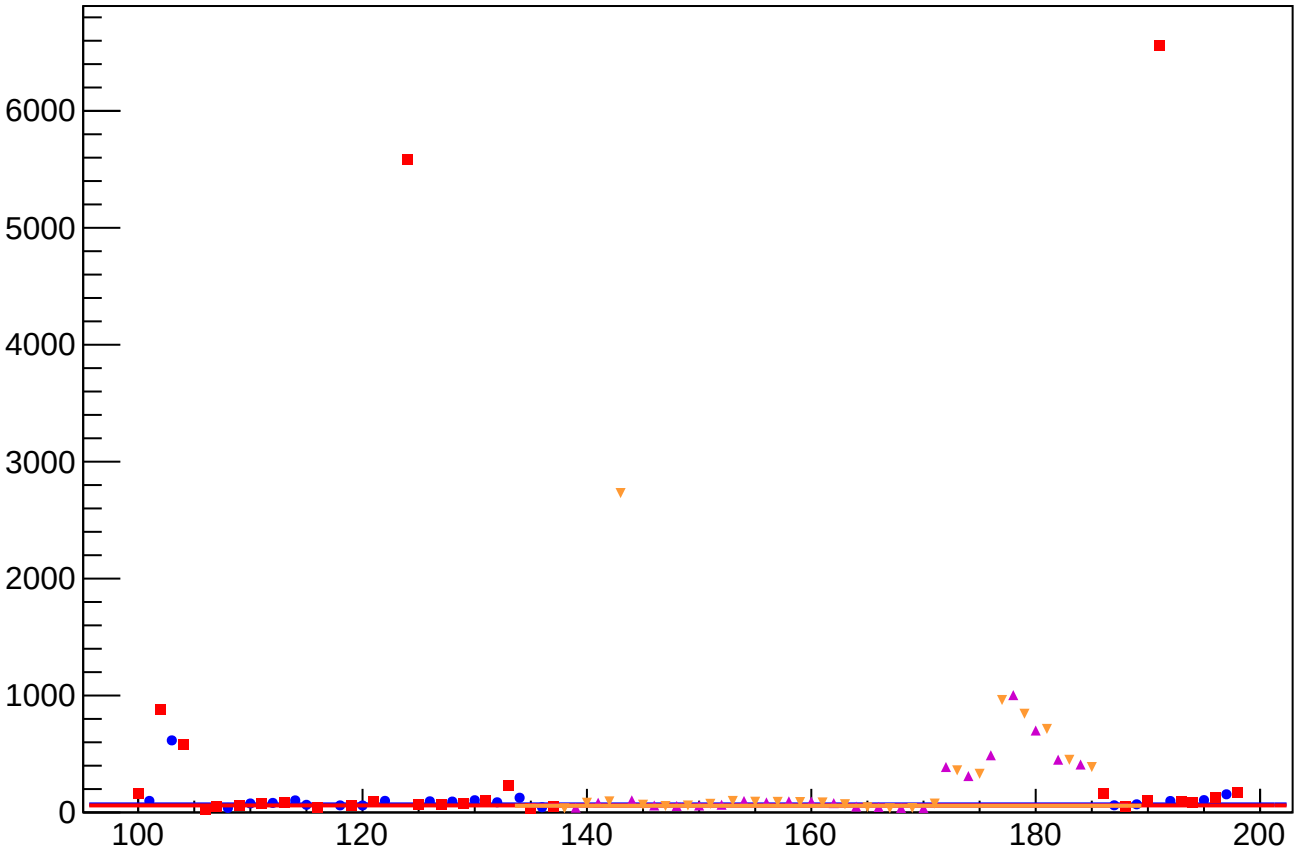
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.021+/-0.016 χ^2/NDF: 39.3/47

In: -0.014+/-0.014 χ^2/NDF:30.4/43

Out: 0.046+/-0.013 χ^2/NDF:47.2/51

All: 0.018+/-0.010 χ^2/NDF: 87.4/95



Right In: 69.017+/-0.017 χ^2/NDF: 3331151.4/20

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 60.091+/-0.015 χ^2/NDF: 6247812.0/26

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

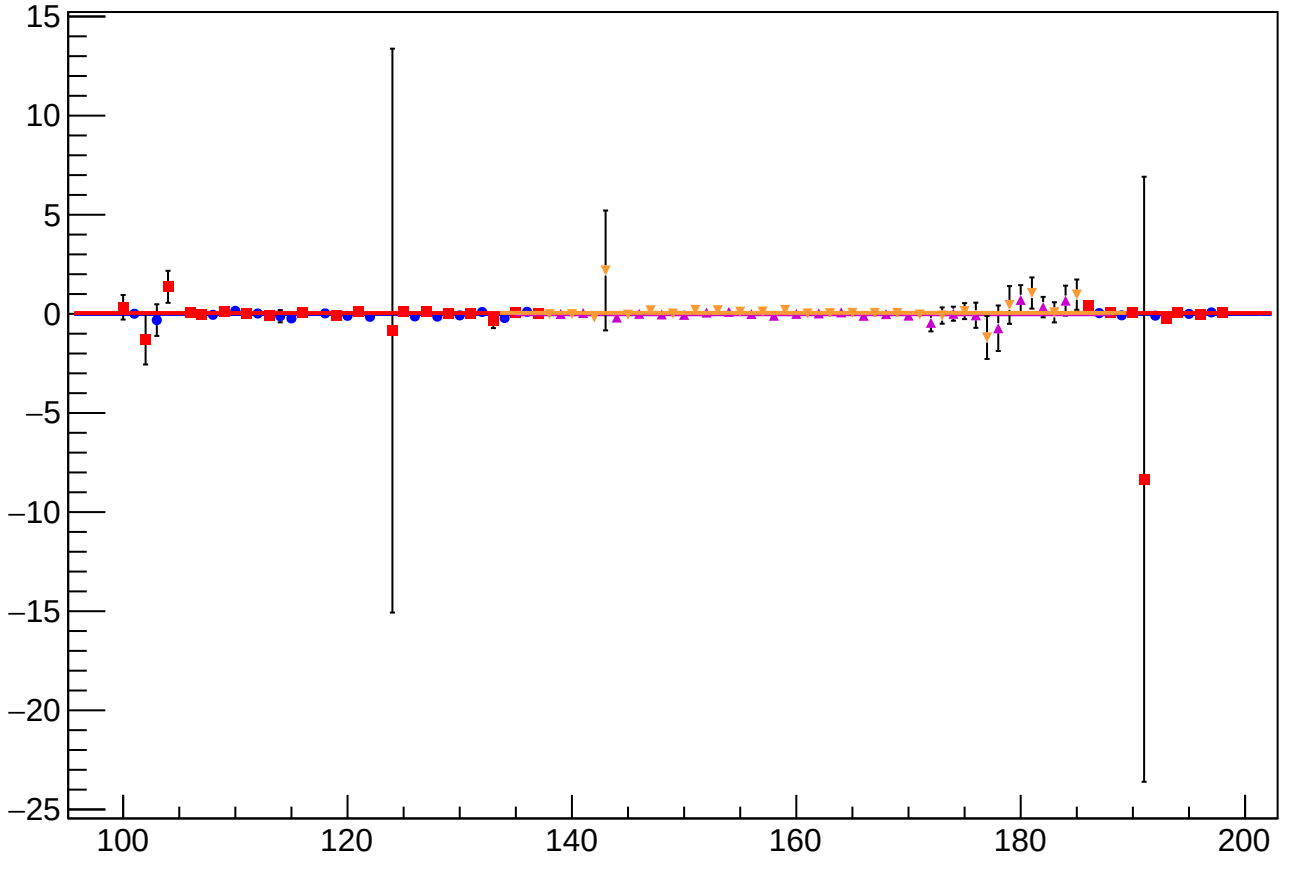
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 63.905+/-0.011 χ^2/NDF: 9732952.9/47

In: 62.036+/-0.010 χ^2/NDF:13824698.3/43

Out: 58.381+/-0.009 χ^2/NDF:18591733.3/51

All: 60.104+/-0.007 χ^2/NDF: 32488394.8/95



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/20

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.040+/-0.021 χ^2/NDF: 22.6/26

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

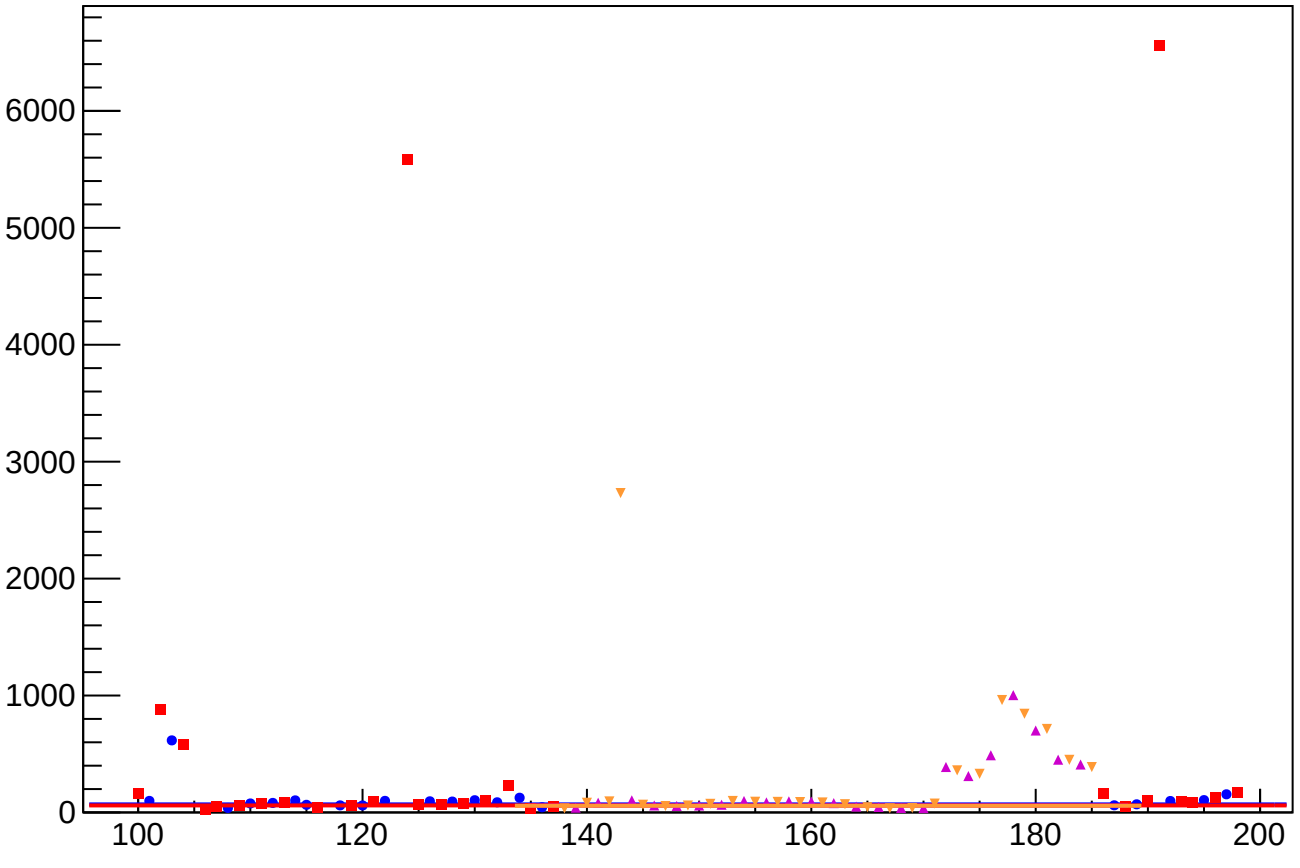
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.021+/-0.016 χ^2/NDF: 39.3/47

In: -0.014+/-0.014 χ^2/NDF:30.4/43

Out: 0.046+/-0.013 χ^2/NDF:47.2/51

All: 0.018+/-0.010 χ^2/NDF: 87.4/95



Right In: 69.017+/-0.017 χ^2/NDF: 3331151.4/20

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 60.091+/-0.015 χ^2/NDF: 6247812.0/26

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

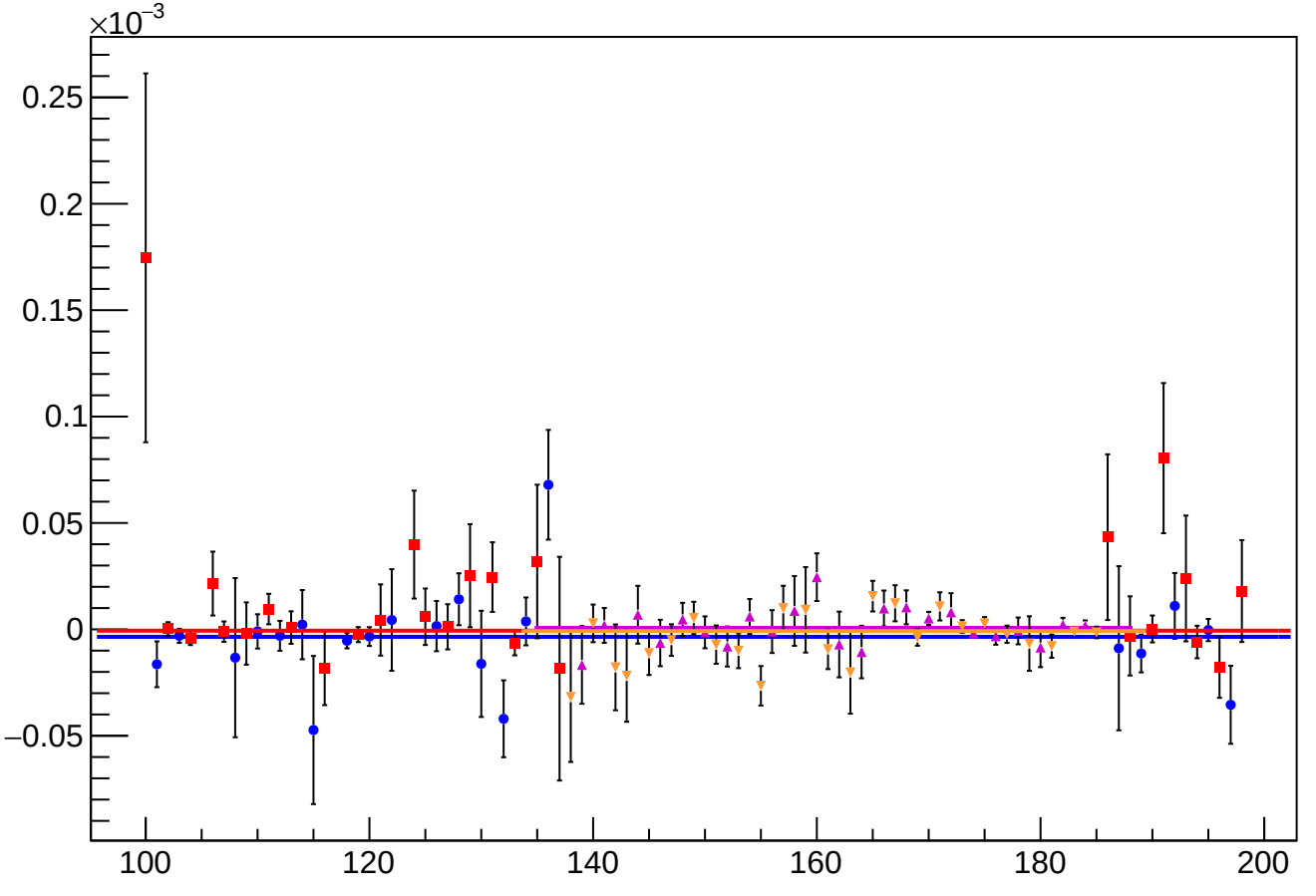
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 63.905+/-0.011 χ^2/NDF: 9732952.9/47

In: 62.036+/-0.010 χ^2/NDF:13824698.3/43

Out: 58.381+/-0.009 χ^2/NDF:18591733.3/51

All: 60.104+/-0.007 χ^2/NDF: 32488394.8/95



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.0/26

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

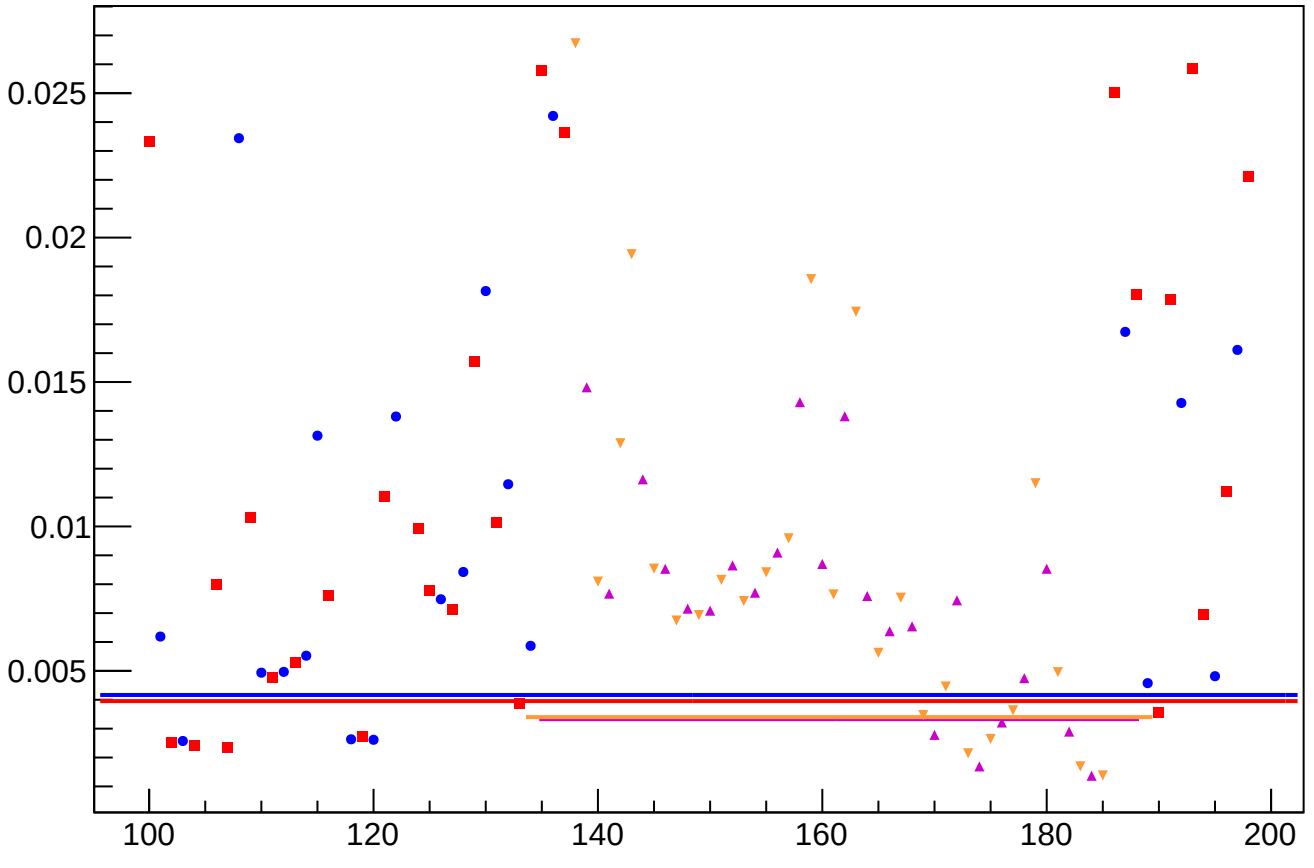
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 54.7/47

In: -0.000+/-0.000 χ^2/NDF:47.4/43

Out: -0.000+/-0.000 χ^2/NDF:61.8/51

All: -0.000+/-0.000 χ^2/NDF: 109.2/95



Right In: 0.004+/-0.000 χ^2/NDF: 6761471.6/20

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 9818692.5/26

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

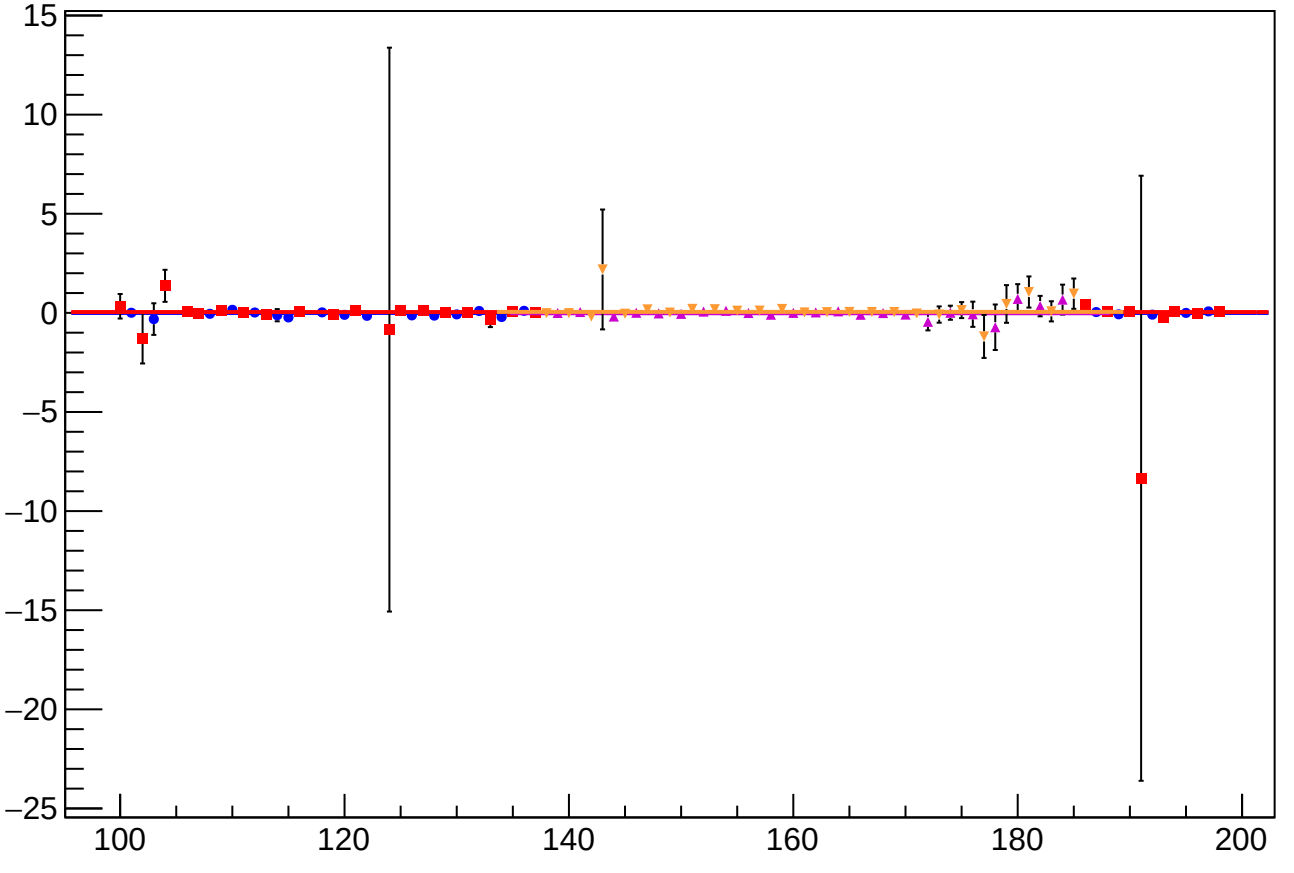
Right: 0.004+/-0.000 χ^2/NDF: 16598467.8/47

In: 0.004+/-0.000 χ^2/NDF:19688718.4/43

Out: 0.004+/-0.000 χ^2/NDF:24263110.6/51

All: 0.004+/-0.000 χ^2/NDF: 43952332.5/95

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/20

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.040+/-0.021 χ^2/NDF: 22.6/26

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

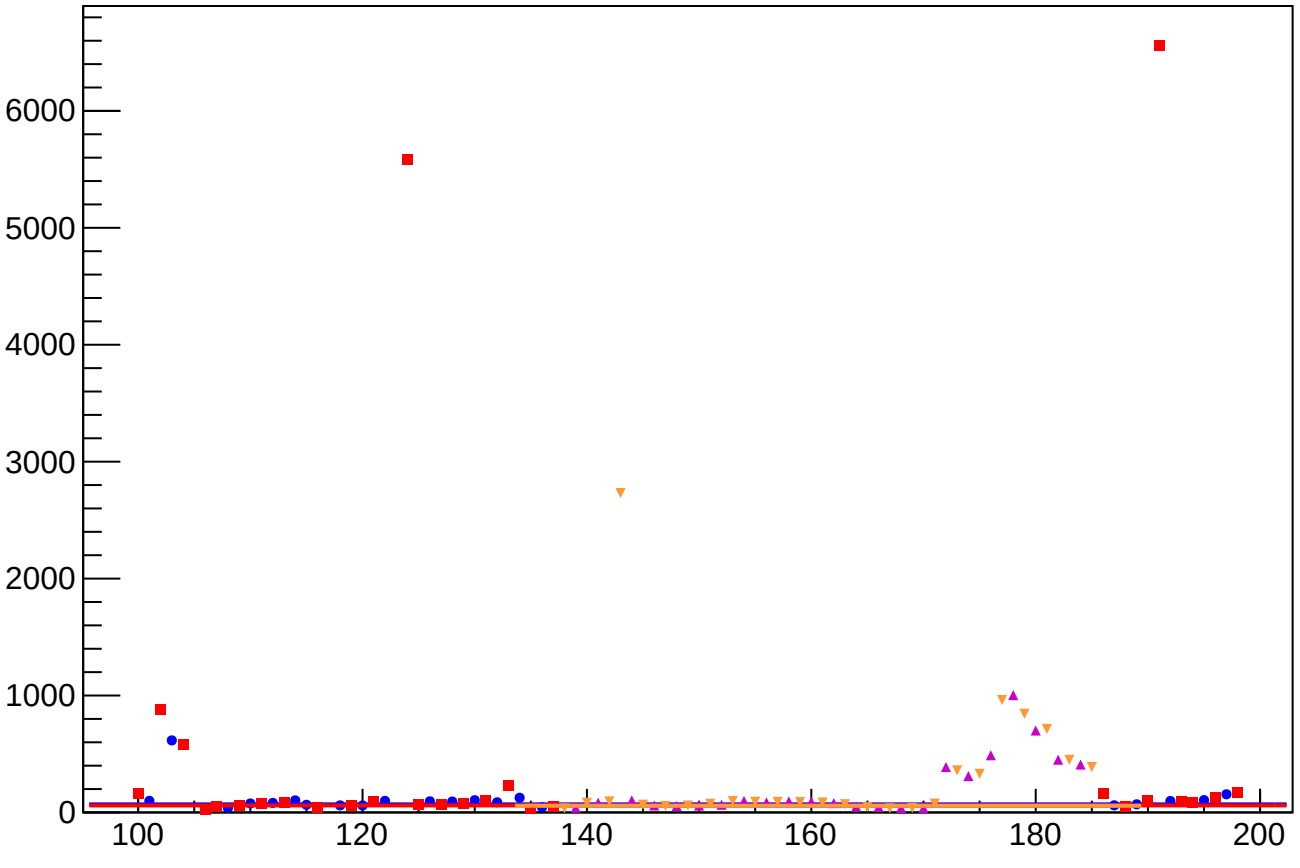
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.021+/-0.016 χ^2/NDF: 39.3/47

In: -0.014+/-0.014 χ^2/NDF:30.4/43

Out: 0.046+/-0.013 χ^2/NDF:47.2/51

All: 0.018+/-0.010 χ^2/NDF: 87.4/95



Right In: 69.024+/-0.017 χ^2/NDF: 3329899.8/20

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 60.086+/-0.015 χ^2/NDF: 6248663.0/26

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

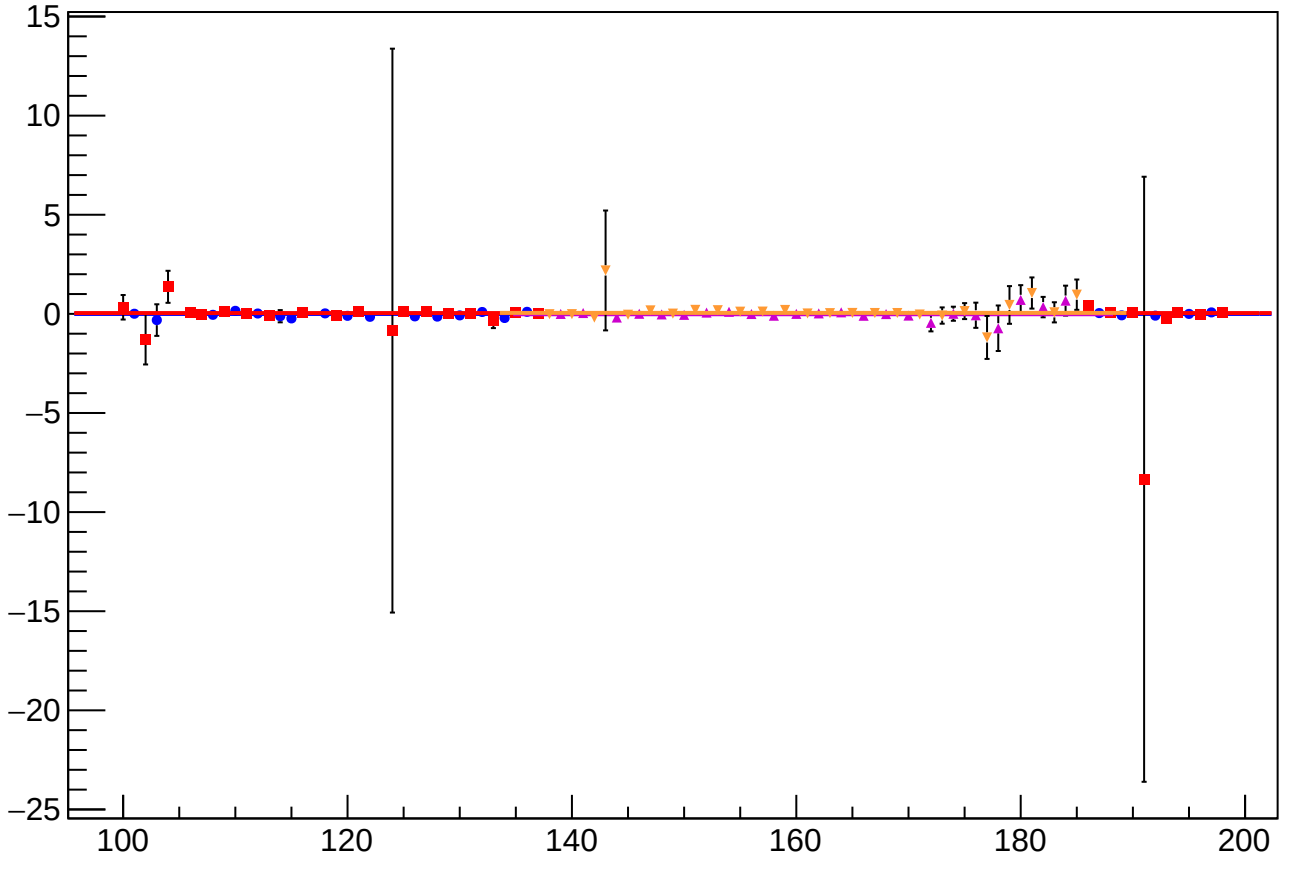
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 63.905+/-0.011 χ^2/NDF: 9732981.7/47

In: 62.040+/-0.010 χ^2/NDF:13823162.1/43

Out: 58.378+/-0.009 χ^2/NDF:18592270.0/51

All: 60.105+/-0.007 χ^2/NDF: 32487651.4/95



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/20

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.040+/-0.021 χ^2/NDF: 22.6/26

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

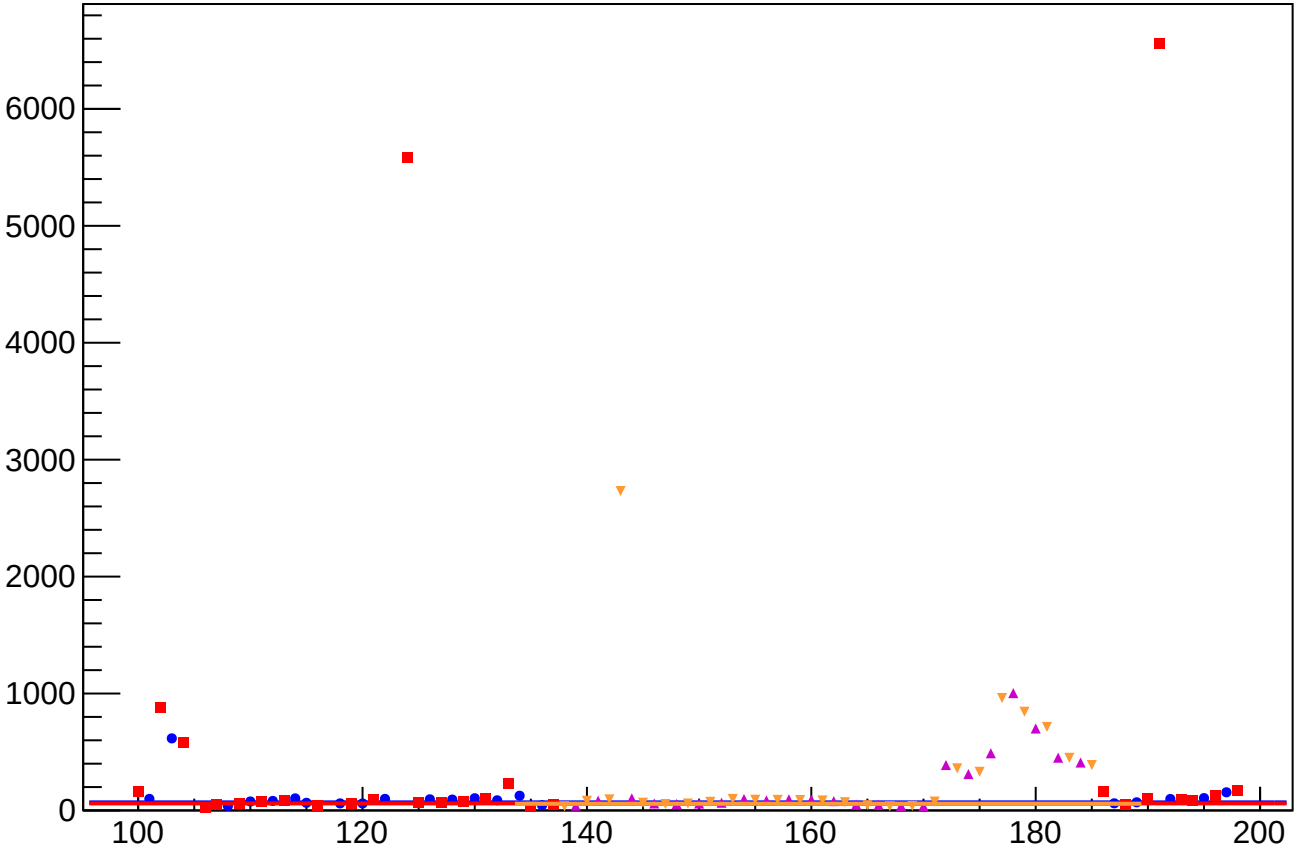
Right: 0.021+/-0.016 χ^2/NDF: 39.3/47

In: -0.014+/-0.014 χ^2/NDF:30.4/43

Out: 0.046+/-0.013 χ^2/NDF:47.2/51

All: 0.018+/-0.010 χ^2/NDF: 87.4/95

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.024+/-0.017 χ^2/NDF: 3329899.8/20

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 60.086+/-0.015 χ^2/NDF: 6248663.0/26

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

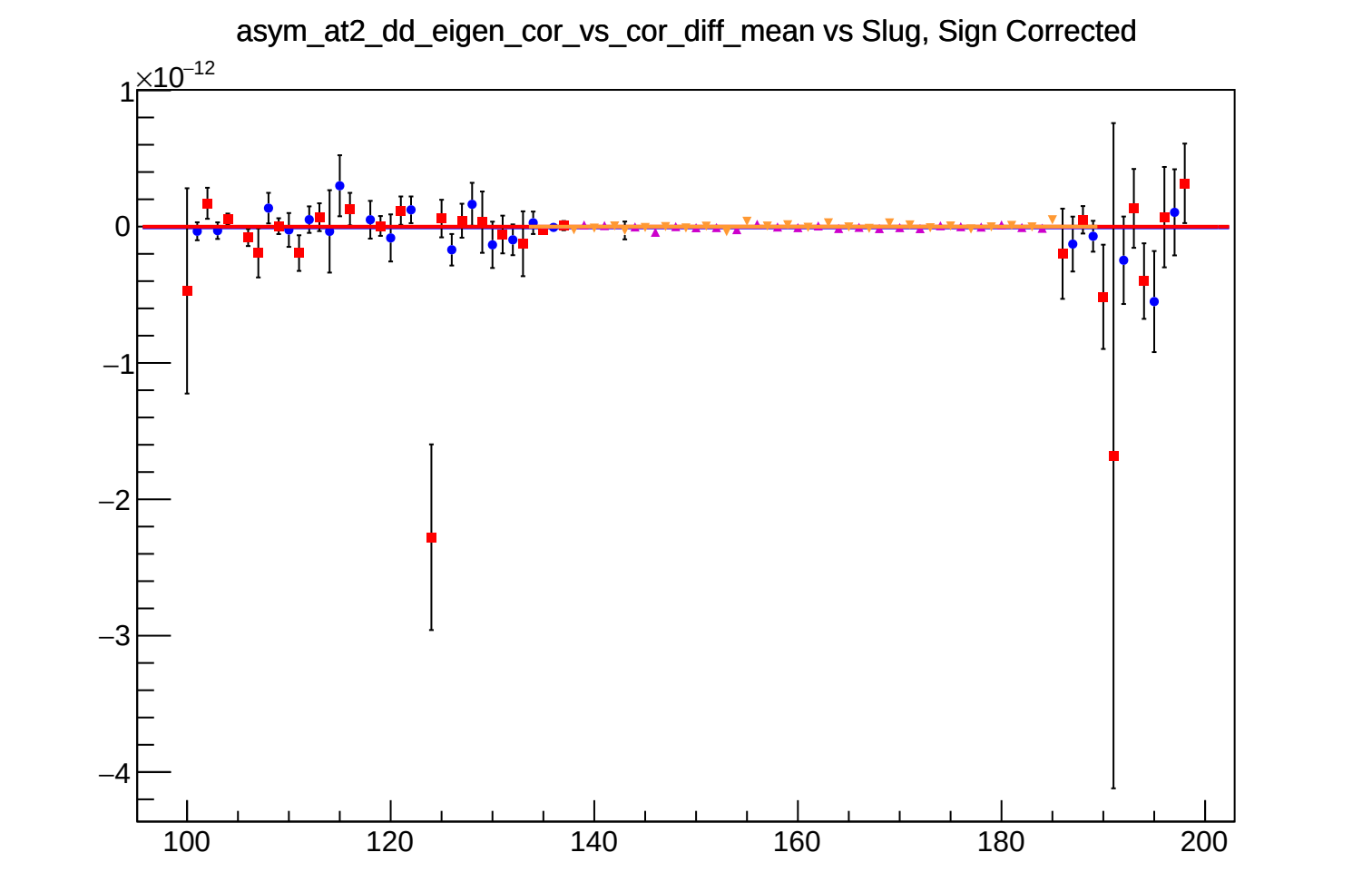
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 63.905+/-0.011 χ^2/NDF: 9732981.7/47

In: 62.040+/-0.010 χ^2/NDF:13823162.1/43

Out: 58.378+/-0.009 χ^2/NDF:18592270.0/51

All: 60.105+/-0.007 χ^2/NDF: 32487651.4/95



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.5/26

Left In: -0.000+/-0.000 χ^2/NDF:15.4/22

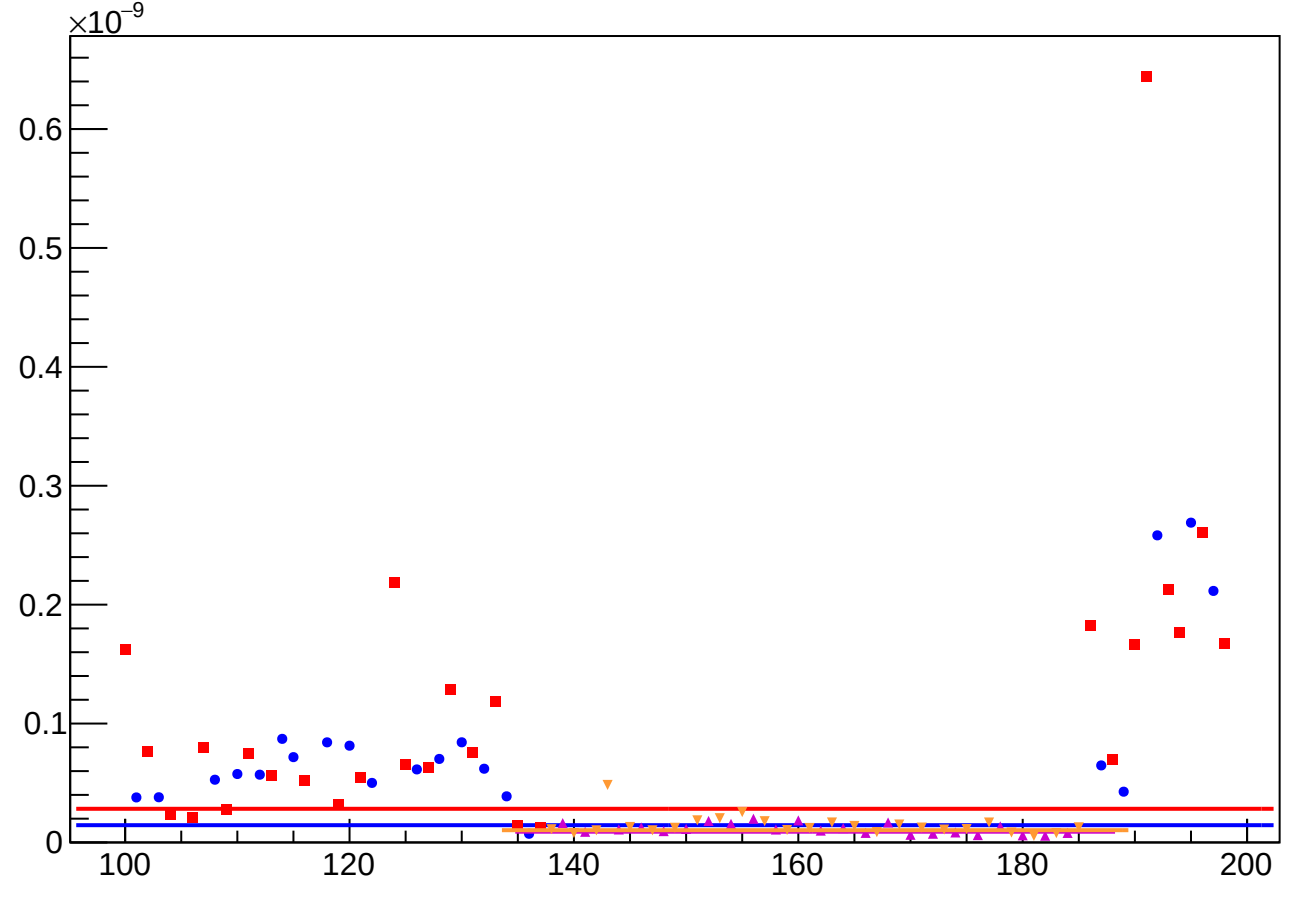
Left: -0.000+/-0.000 χ^2/NDF: 34.5/47

Right: -0.000+/-0.000 χ^2/NDF: 46.0/47

In: -0.000+/-0.000 χ^2/NDF:29.9/43

Out: -0.000+/-0.000 χ^2/NDF:50.3/51

All: -0.000+/-0.000 χ^2/NDF: 80.6/95



Right In: 0.000+/-0.000 χ^2/NDF: 8138012.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7474044.0/26

Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

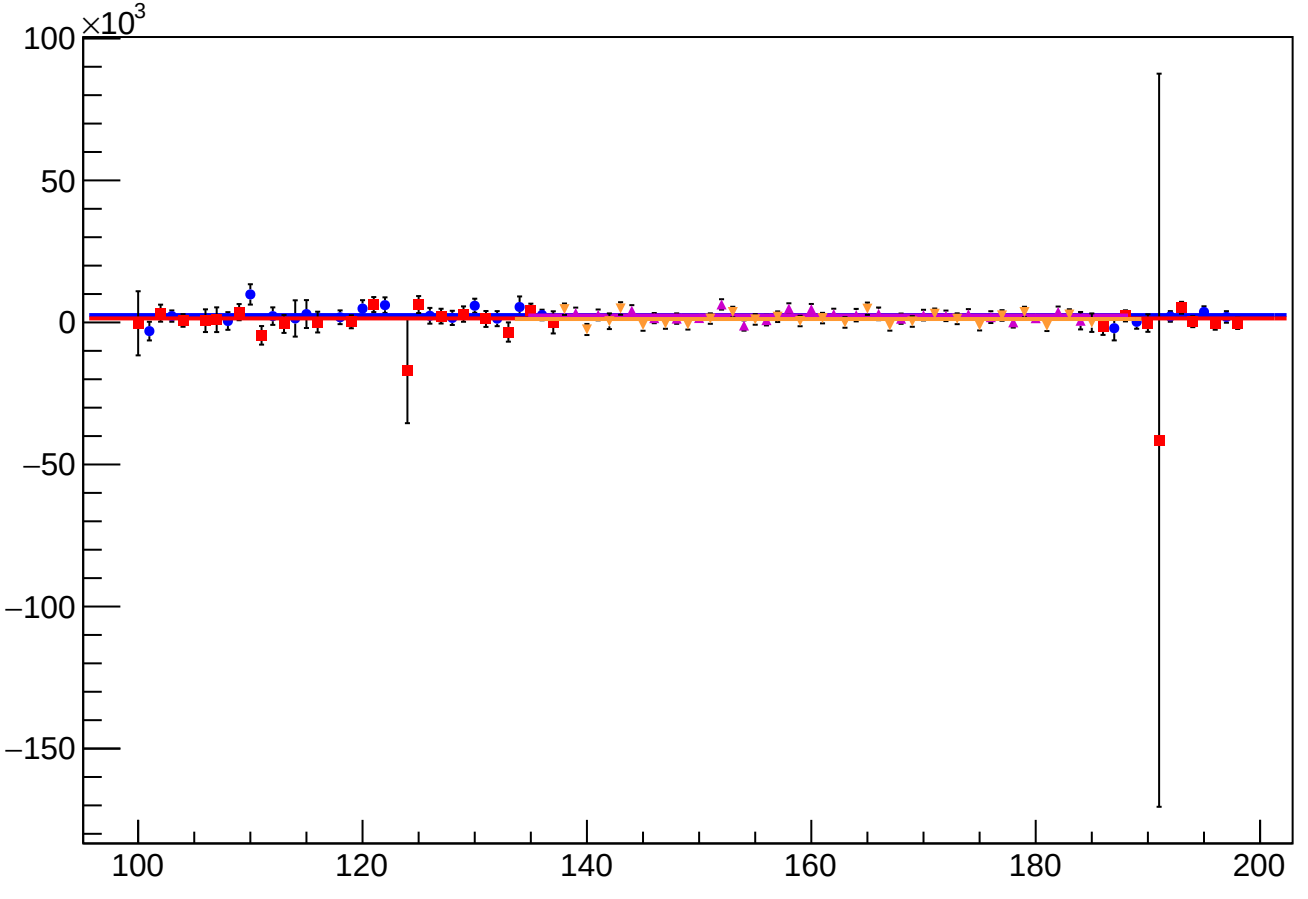
Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

Right: 0.000+/-0.000 χ^2/NDF: 16790000.4/47

In: 0.000+/-0.000 χ^2/NDF:11722542.9/43

Out: 0.000+/-0.000 χ^2/NDF:13962407.8/51

All: 0.000+/-0.000 χ^2/NDF: 26001645.3/95



Right In: 2592.019+/-570.423 χ^2/NDF: 15.2/20

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: 1414.134+/-537.174 χ^2/NDF: 22.6/26

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

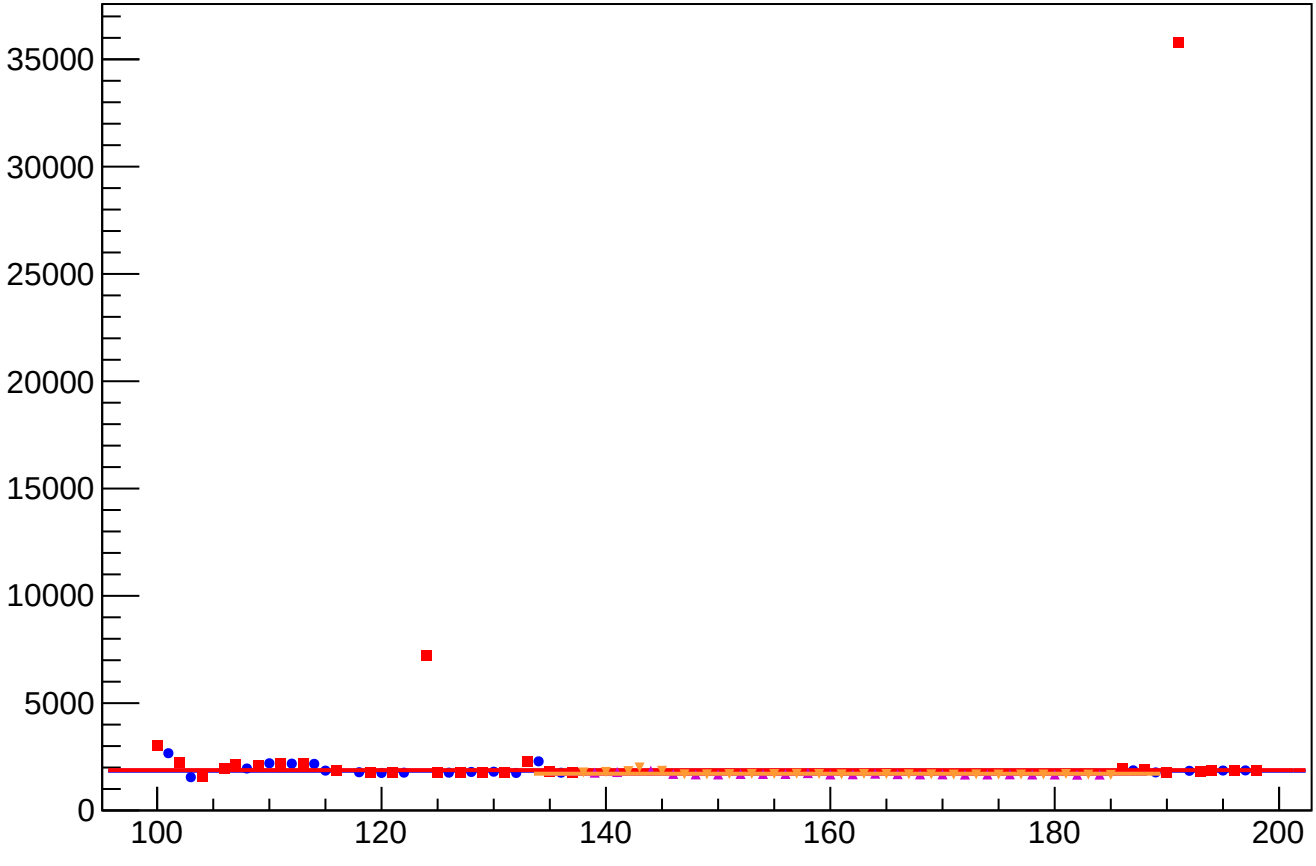
Right: 1967.749+/-391.066 χ^2/NDF: 40.1/47

In: 2489.102+/-326.385 χ^2/NDF:32.8/43

Out: 1275.272+/-315.137 χ^2/NDF:49.0/51

All: 1860.910+/-226.708 χ^2/NDF: 89.0/95

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1850.780+/-0.403 χ^2/NDF: 265632.8/20

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1878.839+/-0.379 χ^2/NDF: 517062.6/26

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

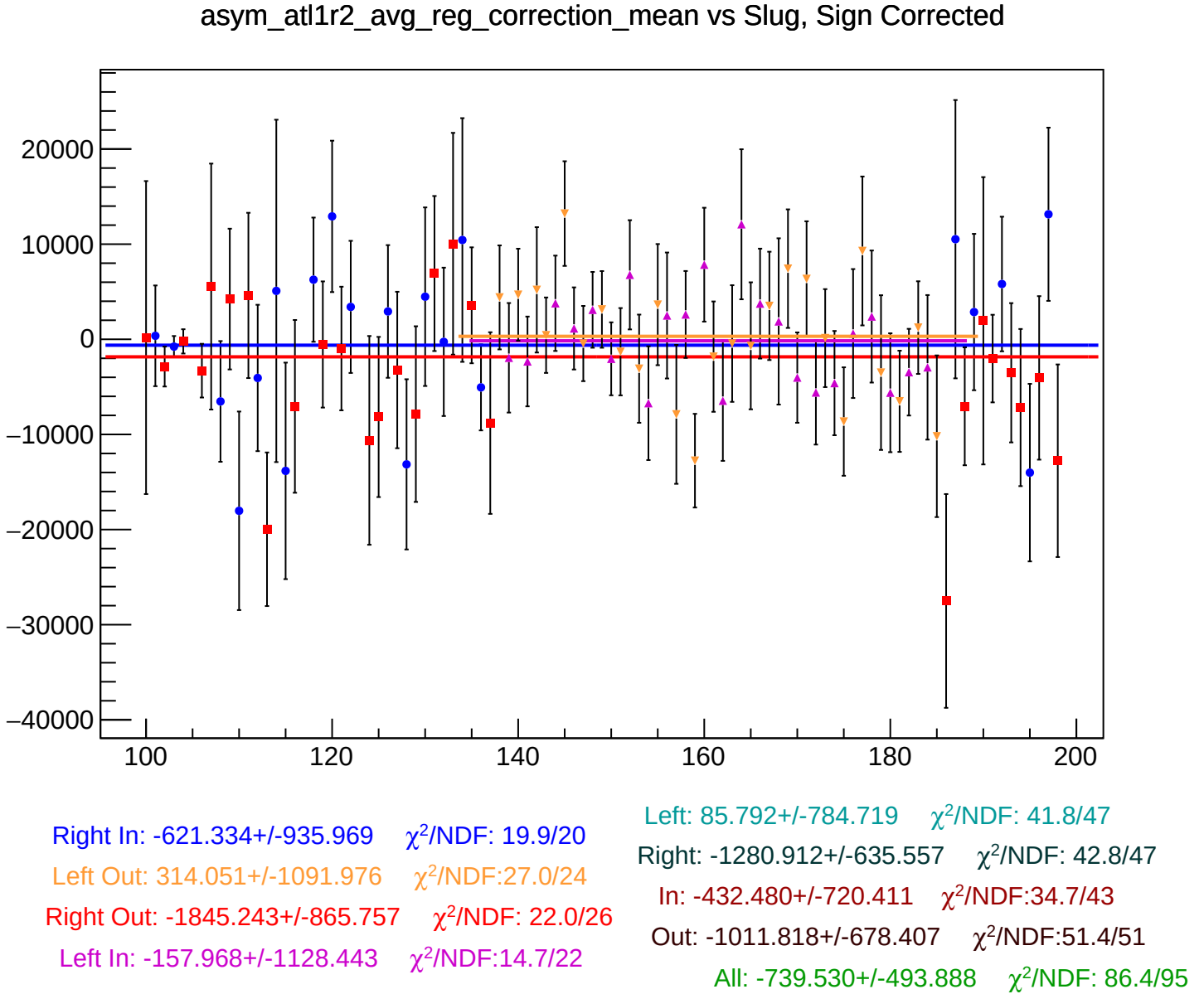
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

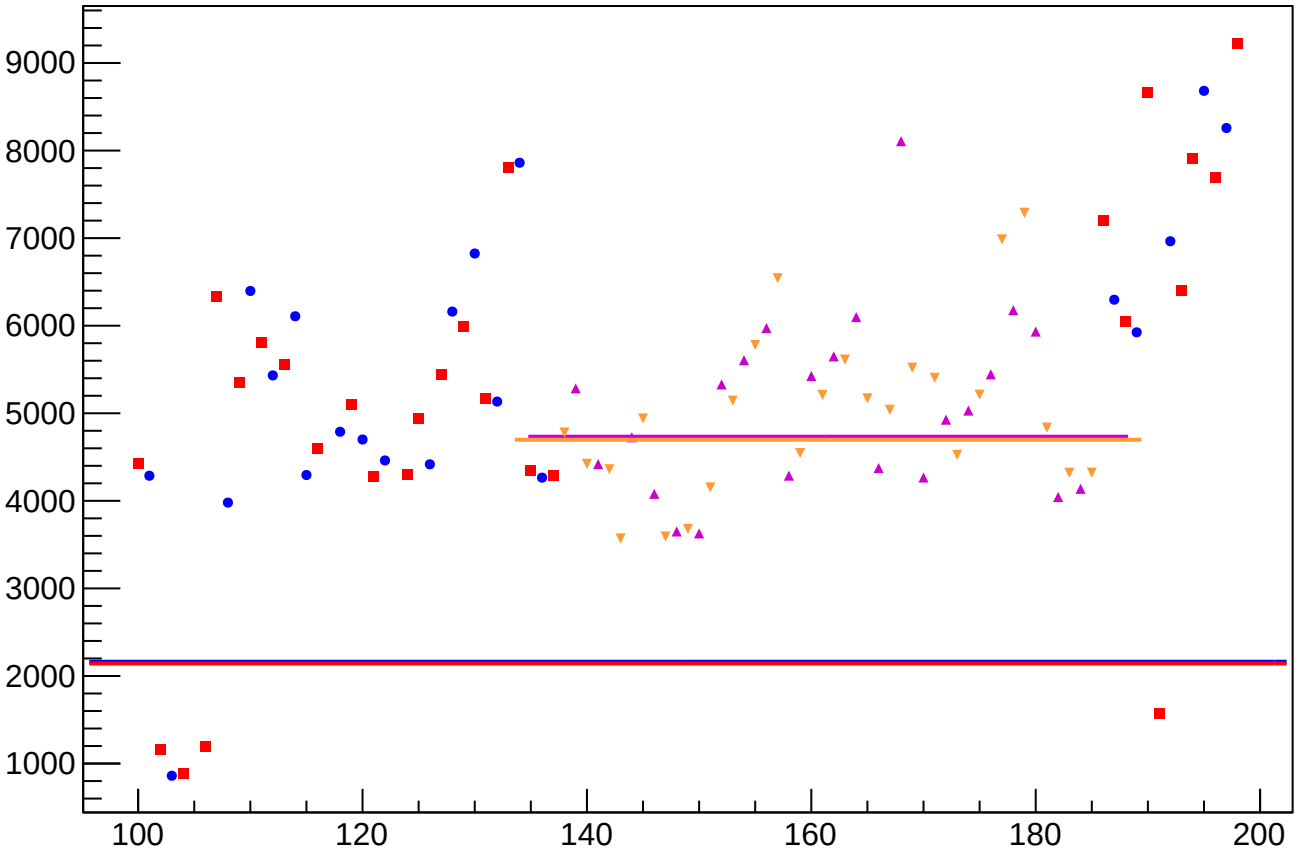
Right: 1865.669+/-0.276 χ^2/NDF: 785263.4/47

In: 1752.033+/-0.231 χ^2/NDF:377308.7/43

Out: 1769.375+/-0.223 χ^2/NDF:704222.1/51

All: 1761.012+/-0.160 χ^2/NDF: 1084454.1/95


asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -621.334+/-935.969 χ²/NDF: 19.9/20
Left Out: 314.051+/-1091.976 χ²/NDF:27.0/24
Right Out: -1845.243+/-865.757 χ²/NDF: 22.0/26
Left In: -157.968+/-1128.443 χ²/NDF:14.7/22
Left: 85.792+/-784.719 χ²/NDF: 41.8/47
Right: -1280.912+/-635.557 χ²/NDF: 42.8/47
In: -432.480+/-720.411 χ²/NDF:34.7/43
Out: -1011.818+/-678.407 χ²/NDF:51.4/51
All: -739.530+/-493.888 χ²/NDF: 86.4/95



Right In: 2162.514+/-0.662 χ^2/NDF: 10411597.7/20

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2142.927+/-0.612 χ^2/NDF: 11843837.8/26

Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

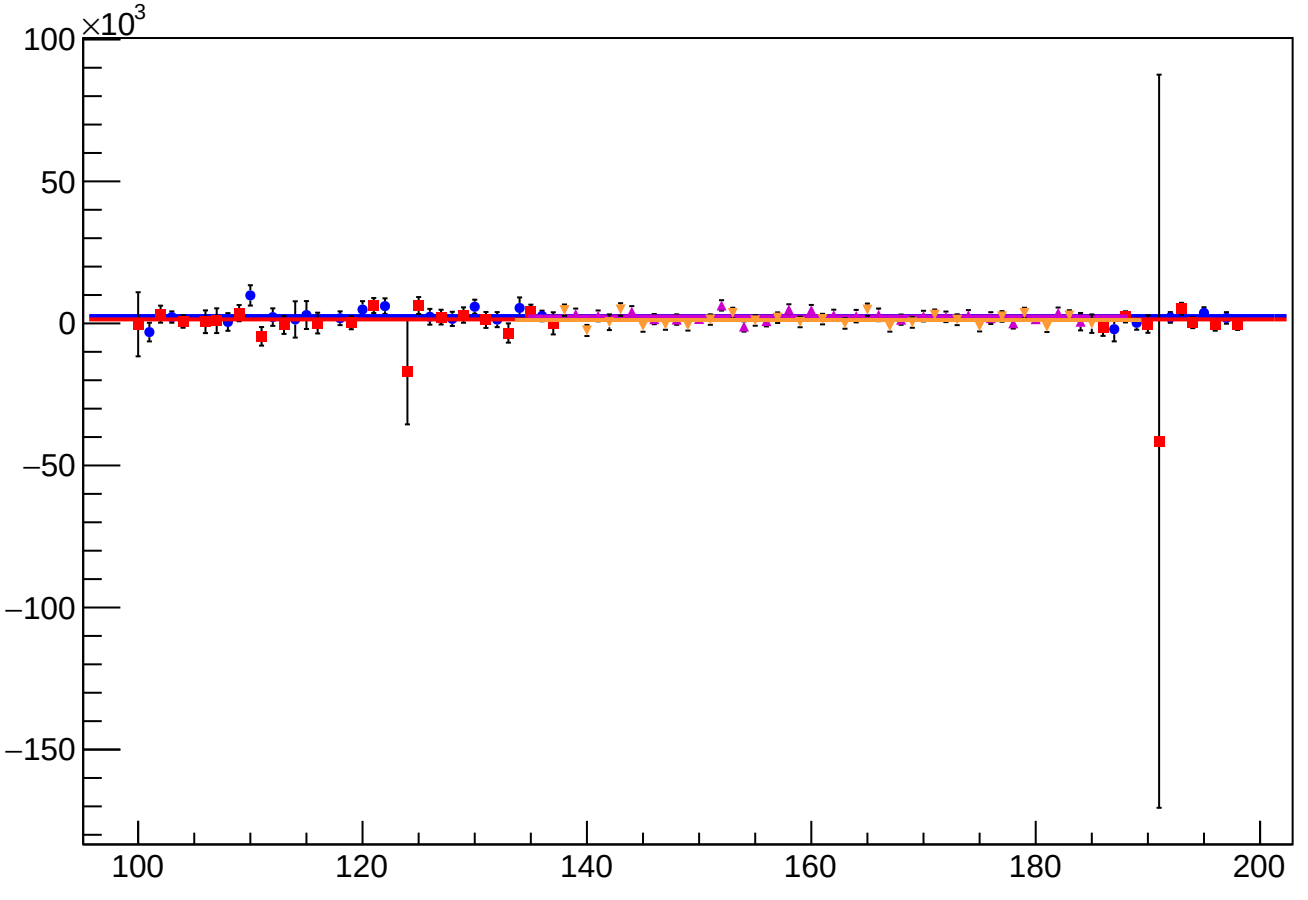
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 2151.958+/-0.449 χ^2/NDF: 22255907.6/47

In: 3209.930+/-0.509 χ^2/NDF:17799705.0/43

Out: 3128.964+/-0.480 χ^2/NDF:19804786.8/51

All: 3167.018+/-0.349 χ^2/NDF: 37617880.8/9



Right In: 2592.135+/-570.423 χ^2/NDF: 15.2/20

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1413.357+/-537.174 χ^2/NDF: 22.6/26

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

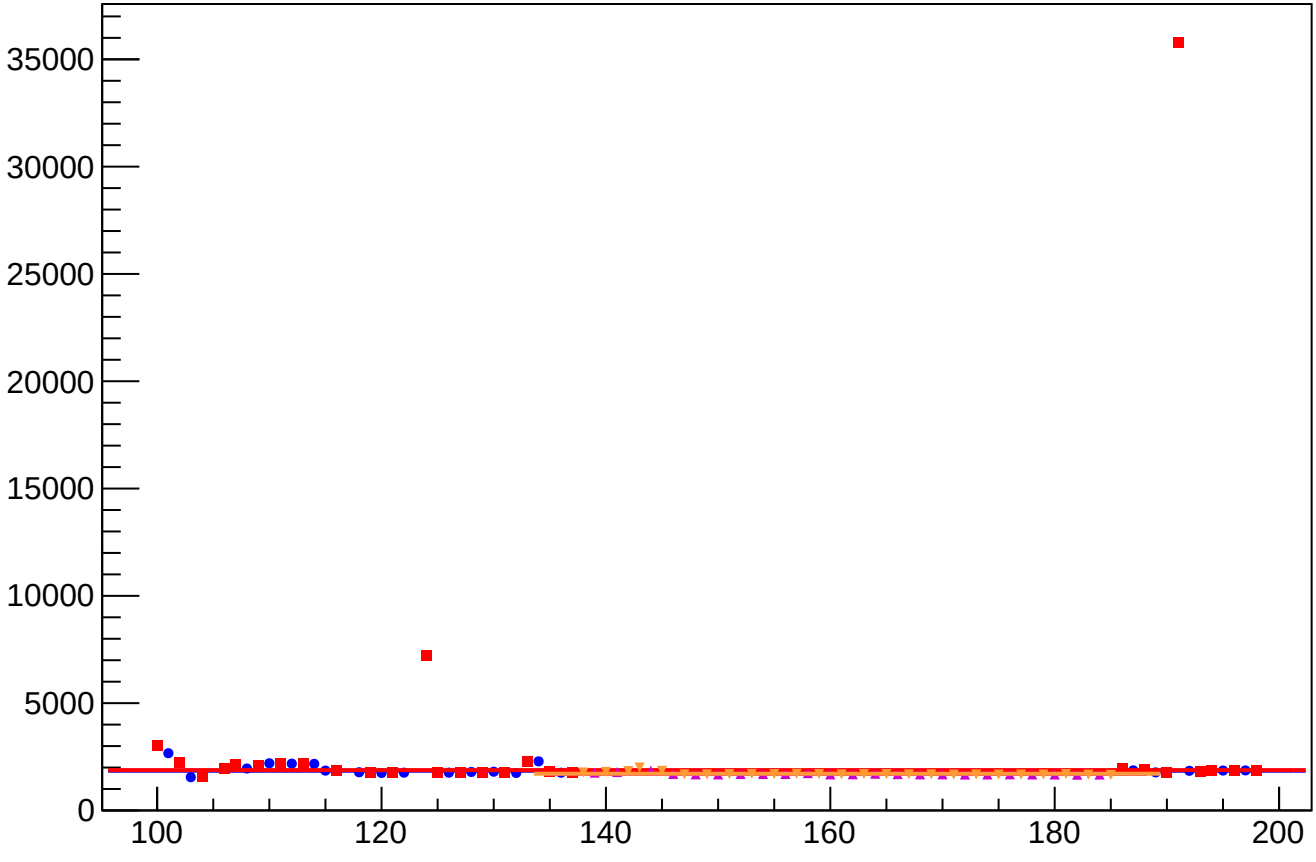
Right: 1967.392+/-391.066 χ^2/NDF: 40.1/47

In: 2489.095+/-326.385 χ^2/NDF:32.8/43

Out: 1274.941+/-315.137 χ^2/NDF:49.0/51

All: 1860.735+/-226.708 χ^2/NDF: 89.0/95

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1850.780+/-0.403 χ^2/NDF: 265632.7/20

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1879.100+/-0.379 χ^2/NDF: 517350.8/26

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

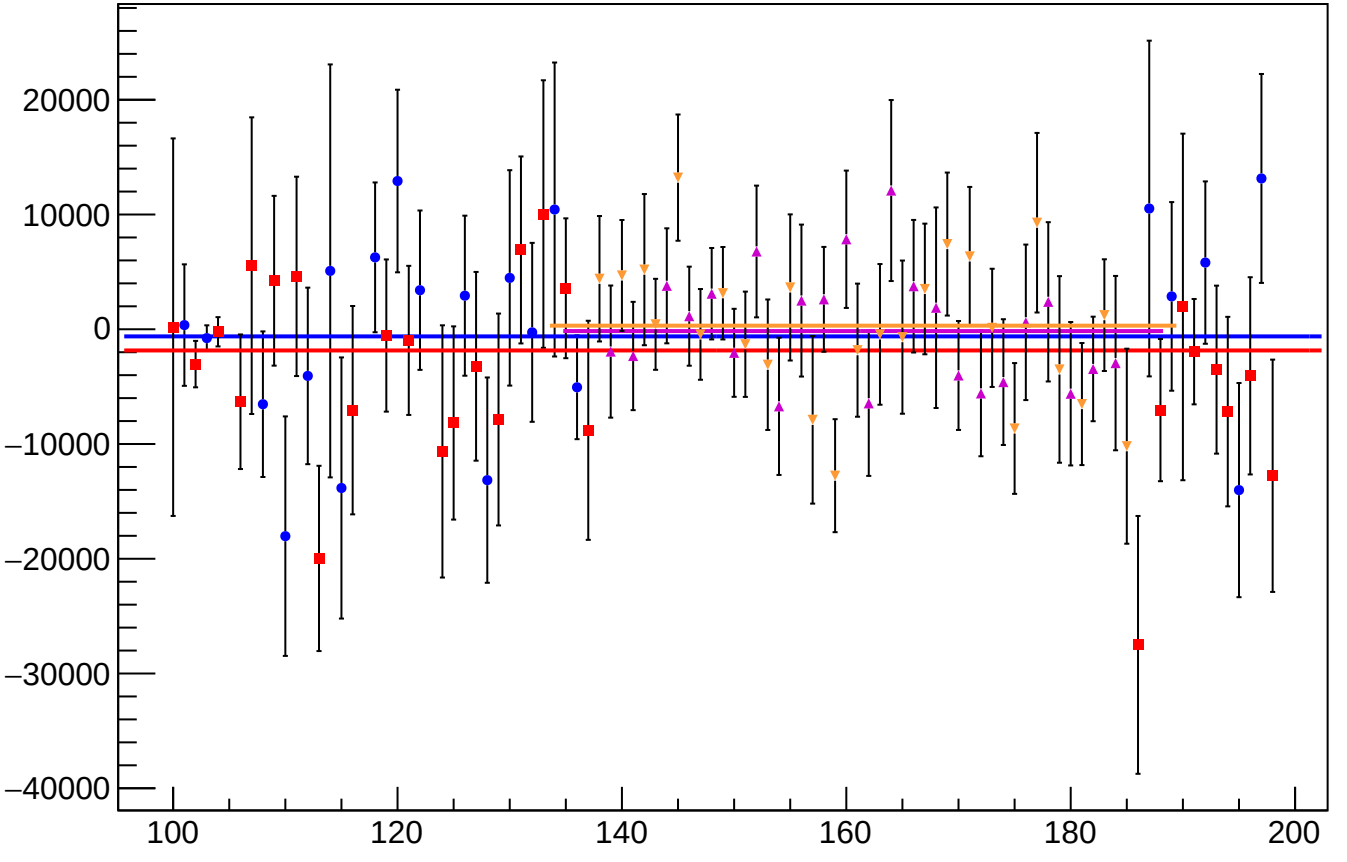
Right: 1865.807+/-0.276 χ^2/NDF: 785599.3/47

In: 1752.033+/-0.231 χ^2/NDF:377308.6/43

Out: 1769.455+/-0.223 χ^2/NDF:704887.1/51

All: 1761.053+/-0.160 χ^2/NDF: 1085146.0/95

asym_atl1r2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -620.895+/-935.920 χ^2/NDF: 19.9/20

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1846.429+/-892.742 χ^2/NDF: 22.4/26

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

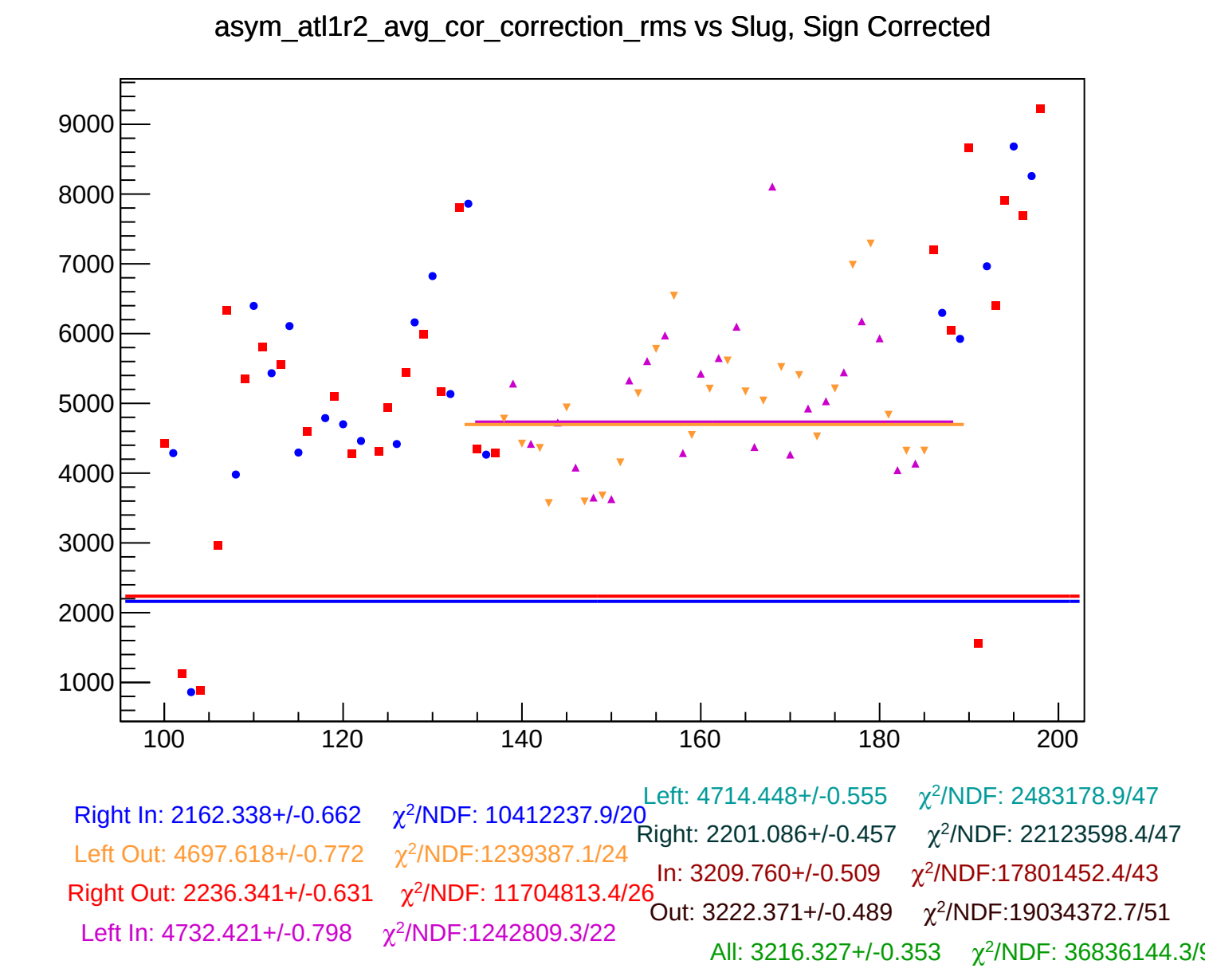
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -1262.584+/-645.989 χ^2/NDF: 43.2/47

In: -432.236+/-720.389 χ^2/NDF:34.7/43

Out: -980.890+/-691.159 χ^2/NDF:51.8/51

All: -717.919+/-498.736 χ^2/NDF: 86.7/95


asym_atl1r2_avg_cor_correction_rms vs Slug, Sign Corrected
9000
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7000
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120
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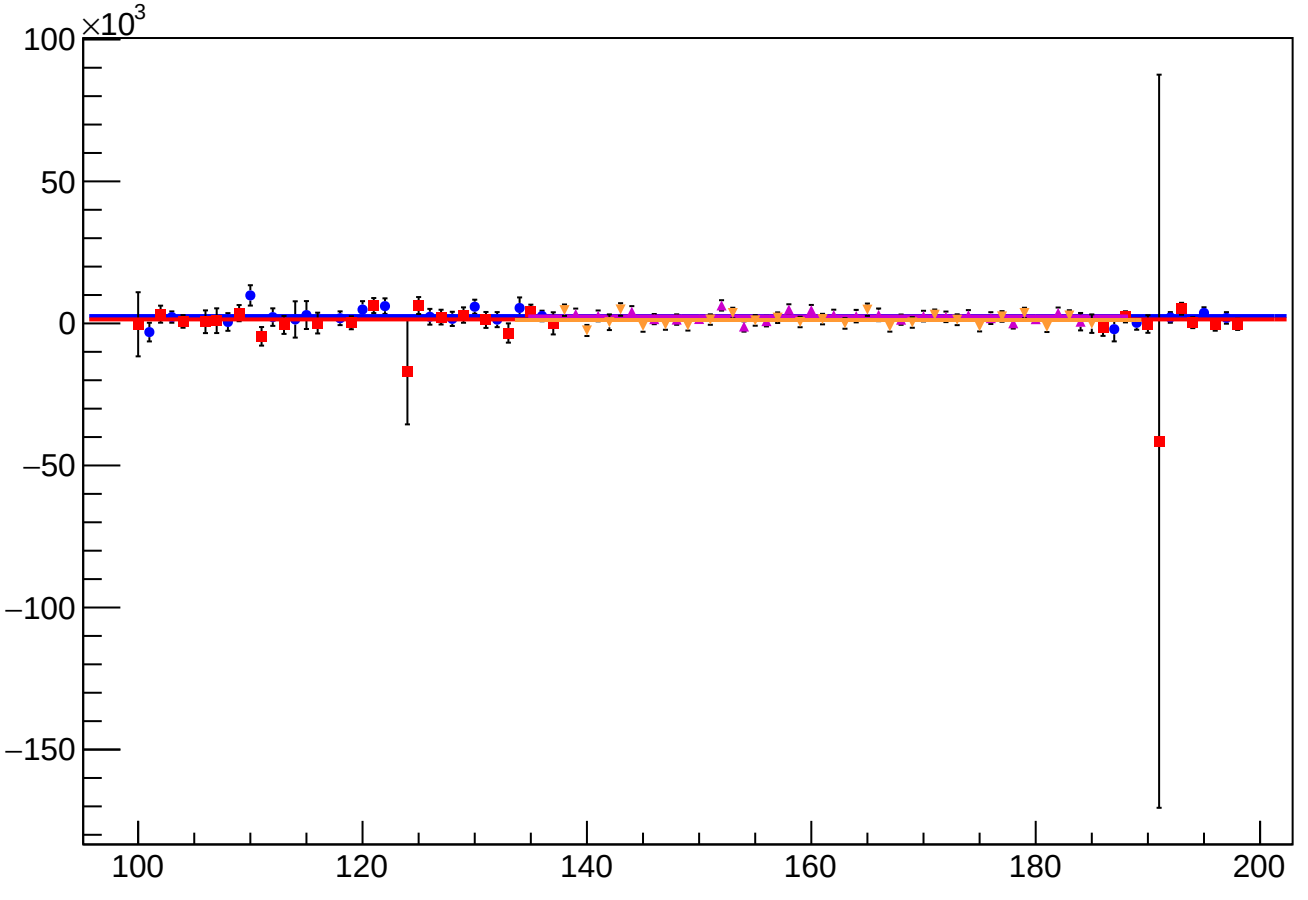
160
180
200
Right In: 2162.338+/-0.662 χ²/NDF: 10412237.9/20
Left Out: 4697.618+/-0.772 χ²/NDF:1239387.1/24
Right Out: 2236.341+/-0.631 χ²/NDF: 11704813.4/26
Left In: 4732.421+/-0.798 χ²/NDF:1242809.3/22
Left: 4714.448+/-0.555 χ²/NDF: 2483178.9/47
Right: 2201.086+/-0.457 χ²/NDF: 22123598.4/47
In: 3209.760+/-0.509 χ²/NDF:17801452.4/43
Out: 3222.371+/-0.489 χ²/NDF:19034372.7/51
All: 3216.327+/-0.353 χ²/NDF: 36836144.3/9



Right In: 2592.135+/-570.423 χ^2/NDF: 15.2/20

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1413.357+/-537.174 χ^2/NDF: 22.6/26

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

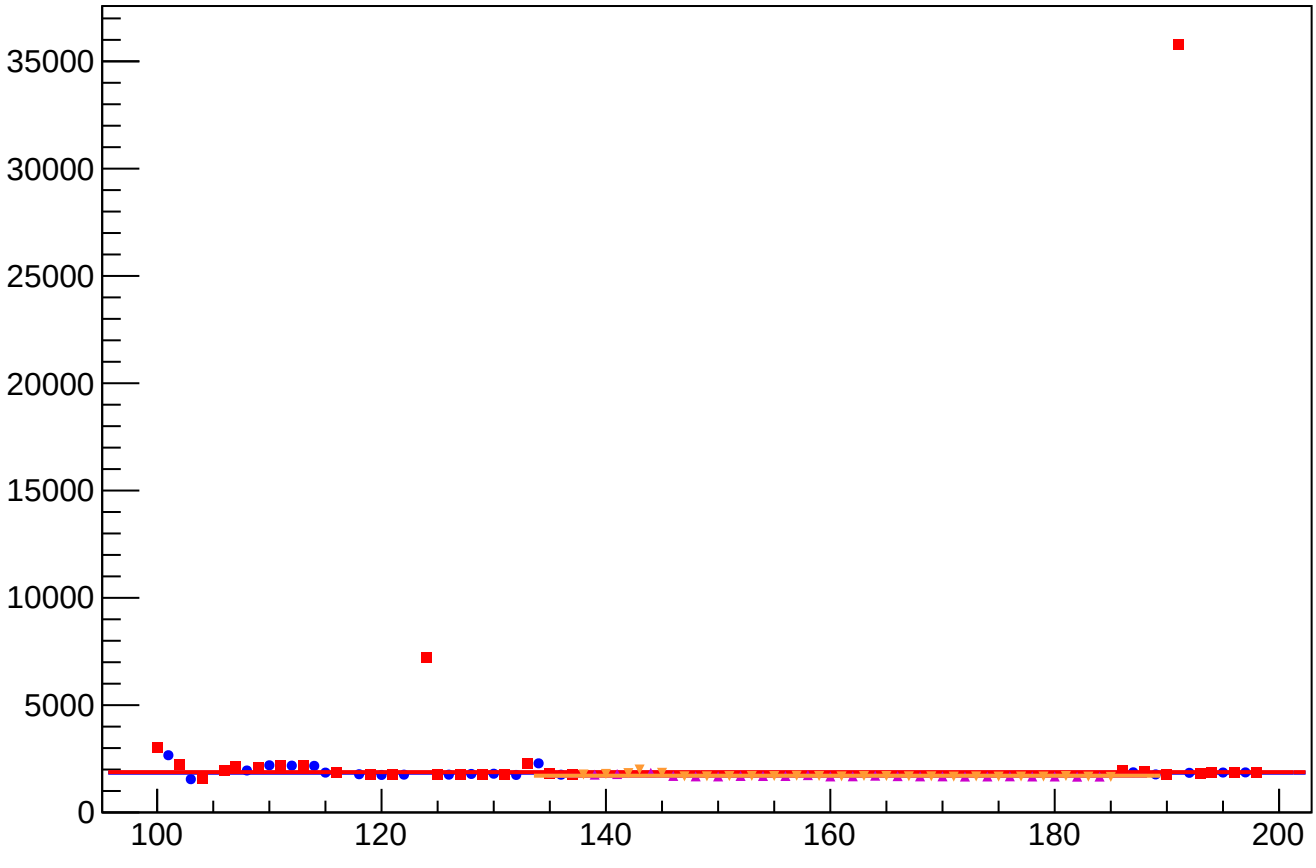
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 1967.392+/-391.066 χ^2/NDF: 40.1/47

In: 2489.095+/-326.385 χ^2/NDF:32.8/43

Out: 1274.941+/-315.137 χ^2/NDF:49.0/51

All: 1860.735+/-226.708 χ^2/NDF: 89.0/95



Right In: 1850.780+/-0.403 χ^2/NDF: 265632.7/20

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1879.100+/-0.379 χ^2/NDF: 517350.8/26

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

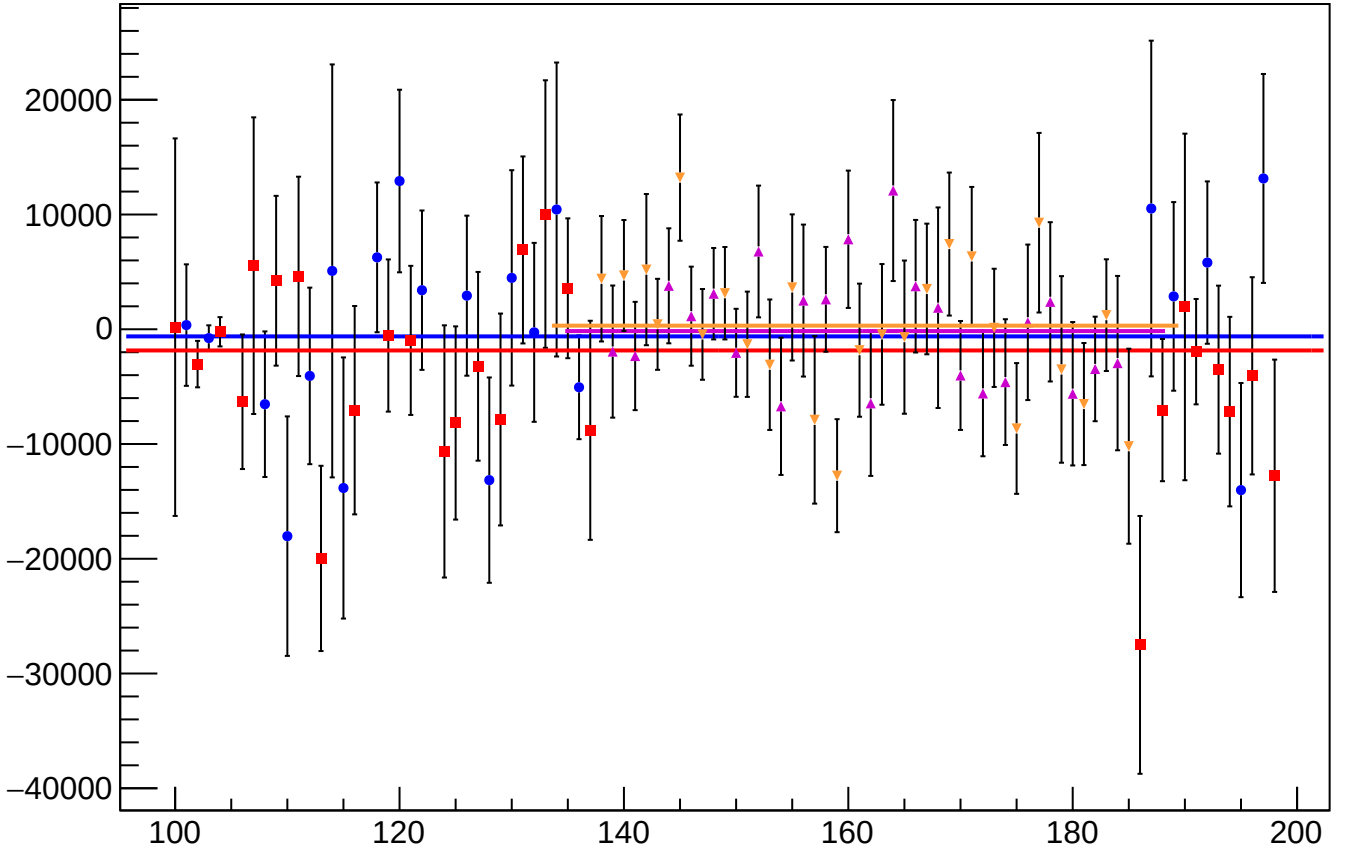
Right: 1865.807+/-0.276 χ^2/NDF: 785599.3/47

In: 1752.033+/-0.231 χ^2/NDF:377308.6/43

Out: 1769.455+/-0.223 χ^2/NDF:704887.1/51

All: 1761.053+/-0.160 χ^2/NDF: 1085146.0/95

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -620.895+/-935.920 χ^2/NDF: 19.9/20

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1846.429+/-892.742 χ^2/NDF: 22.4/26

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

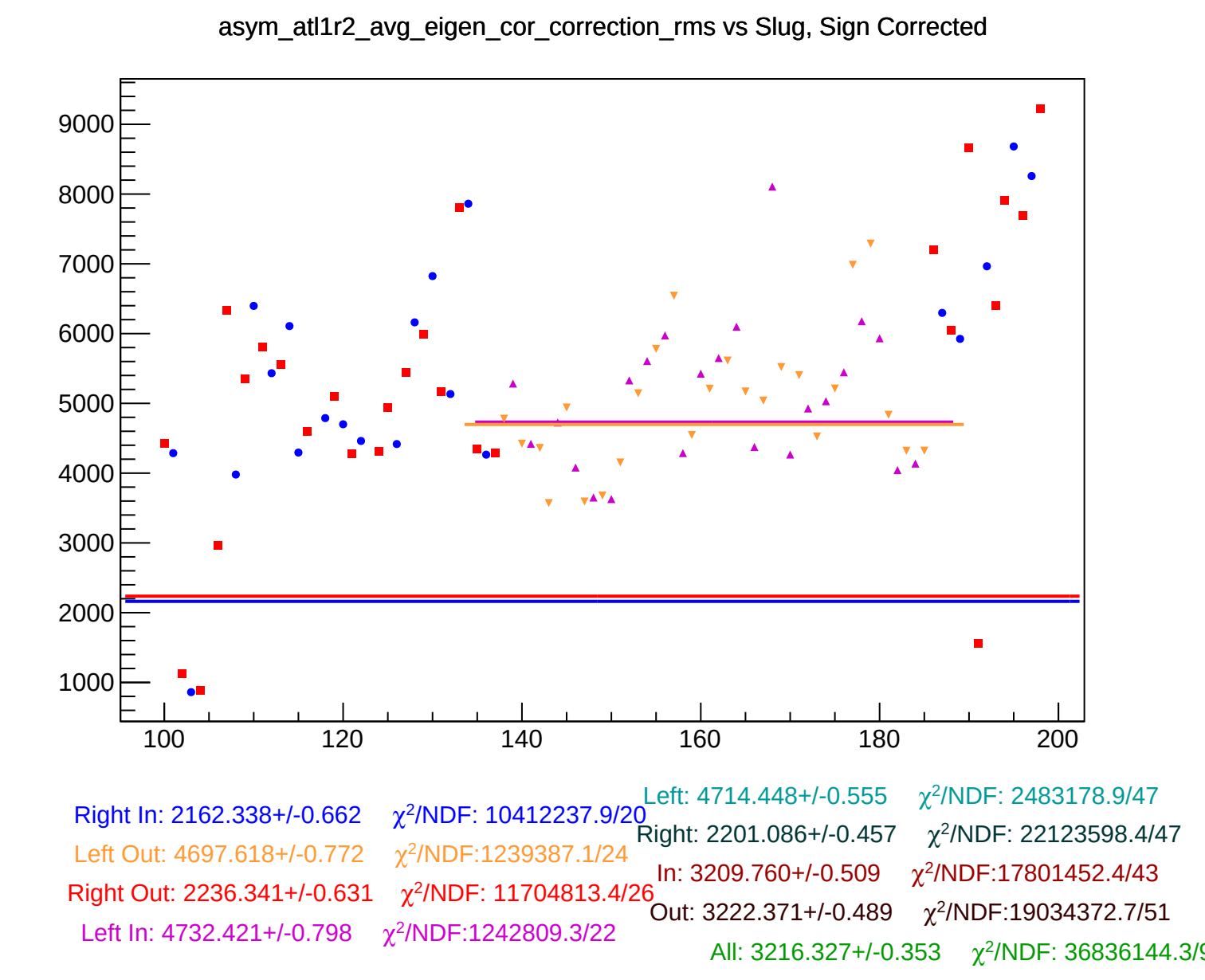
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -1262.584+/-645.989 χ^2/NDF: 43.2/47

In: -432.236+/-720.389 χ^2/NDF:34.7/43

Out: -980.890+/-691.159 χ^2/NDF:51.8/51

All: -717.919+/-498.736 χ^2/NDF: 86.7/95


asym_atl1r2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
9000
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6000
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2000
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100
120
140
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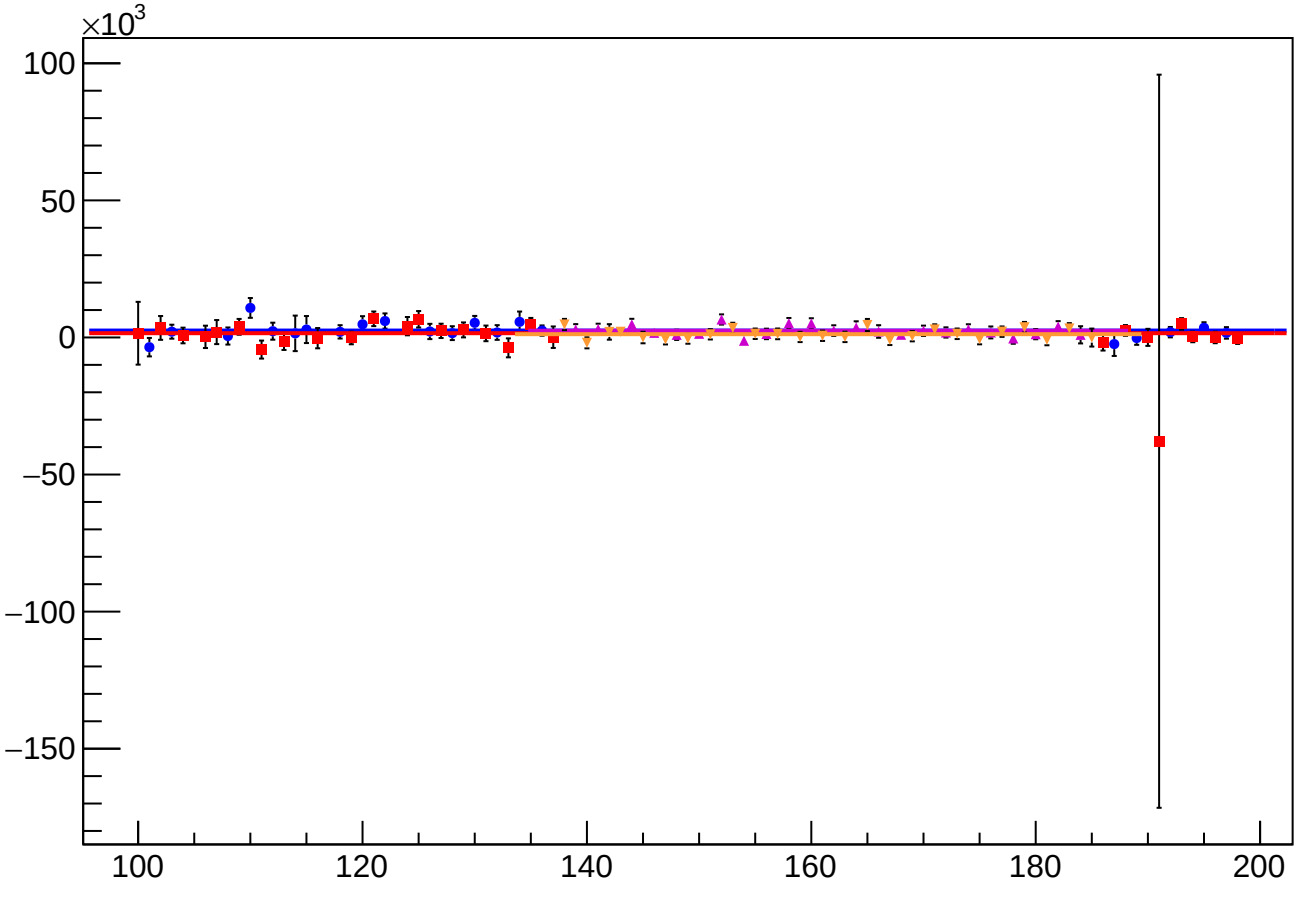
Right In: 2162.338+/-0.662 χ²/NDF: 10412237.9/20
Left Out: 4697.618+/-0.772 χ²/NDF:1239387.1/24
Right Out: 2236.341+/-0.631 χ²/NDF: 11704813.4/26
Left In: 4732.421+/-0.798 χ²/NDF:1242809.3/22
Left: 4714.448+/-0.555 χ²/NDF: 2483178.9/47
Right: 2201.086+/-0.457 χ²/NDF: 22123598.4/47
In: 3209.760+/-0.509 χ²/NDF:17801452.4/43
Out: 3222.371+/-0.489 χ²/NDF:19034372.7/51
All: 3216.327+/-0.353 χ²/NDF: 36836144.3/9



Right In: 2513.556+/-587.036 χ^2/NDF: 16.3/20

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: 1554.532+/-546.655 χ^2/NDF: 23.8/26

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

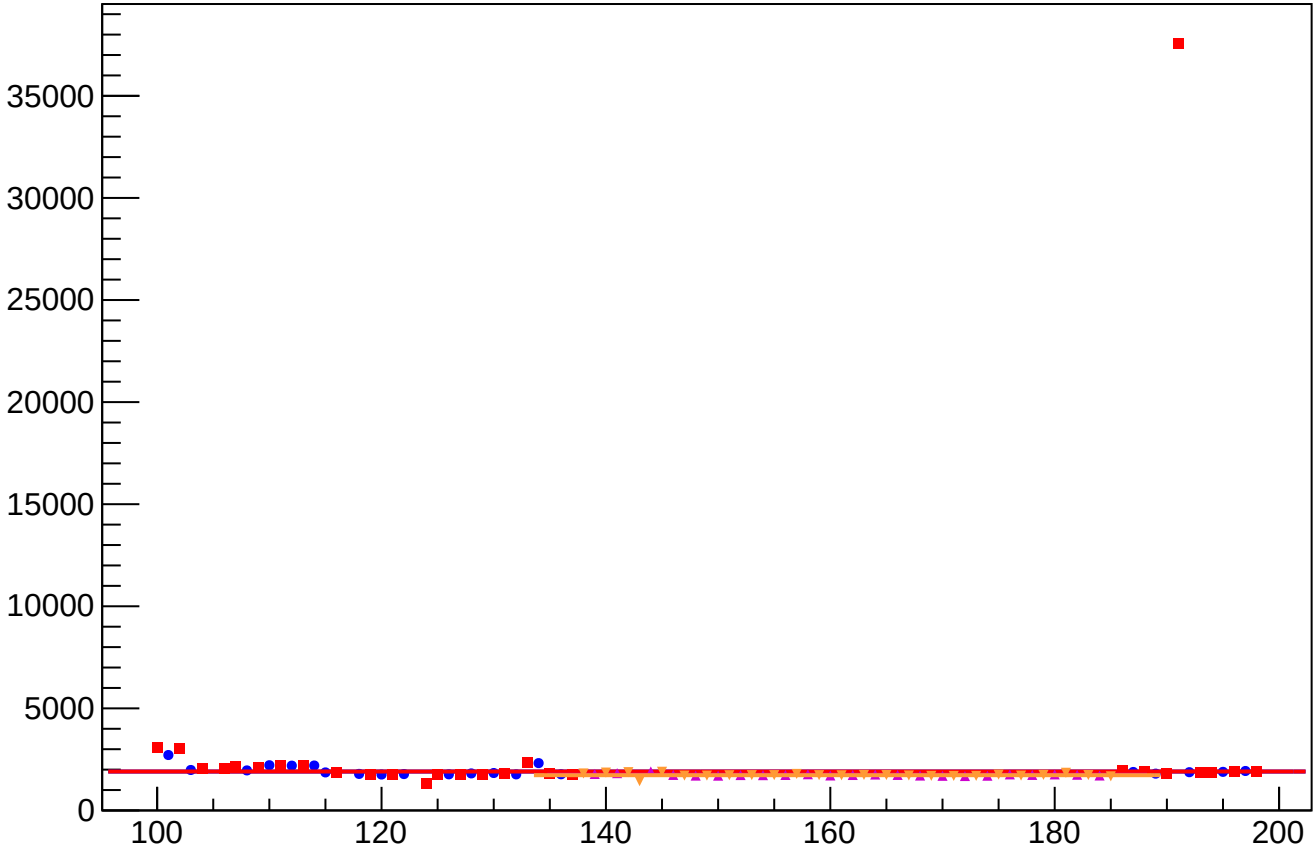
Right: 1999.928+/-400.058 χ^2/NDF: 41.6/47

In: 2462.615+/-334.780 χ^2/NDF:36.9/43

Out: 1319.055+/-319.087 χ^2/NDF:43.6/51

All: 1863.403+/-230.977 χ^2/NDF: 86.6/95

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1905.822+/-0.415 χ^2/NDF: 220703.2/20

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1908.057+/-0.386 χ^2/NDF: 498095.2/26

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

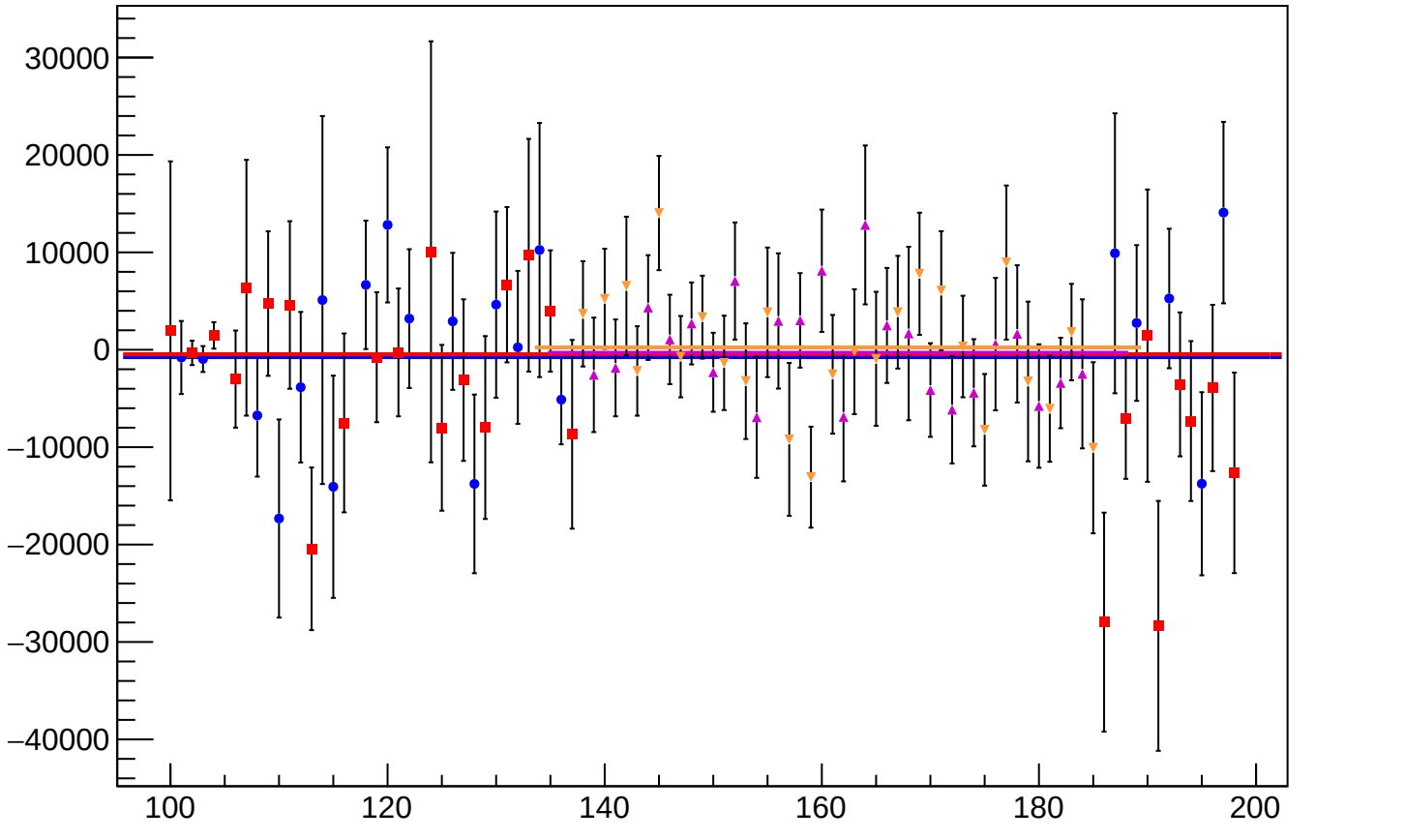
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1907.020+/-0.283 χ^2/NDF: 718813.9/47

In: 1797.057+/-0.237 χ^2/NDF:349250.5/43

Out: 1788.882+/-0.226 χ^2/NDF:752727.3/51

All: 1792.773+/-0.163 χ^2/NDF: 1102602.7/95



Right In: -756.766+/-1035.635 χ^2/NDF: 19.8/20

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: -453.591+/-807.777 χ^2/NDF: 28.5/26

Left In: -306.106+/-1171.019 χ^2/NDF:14.5/22

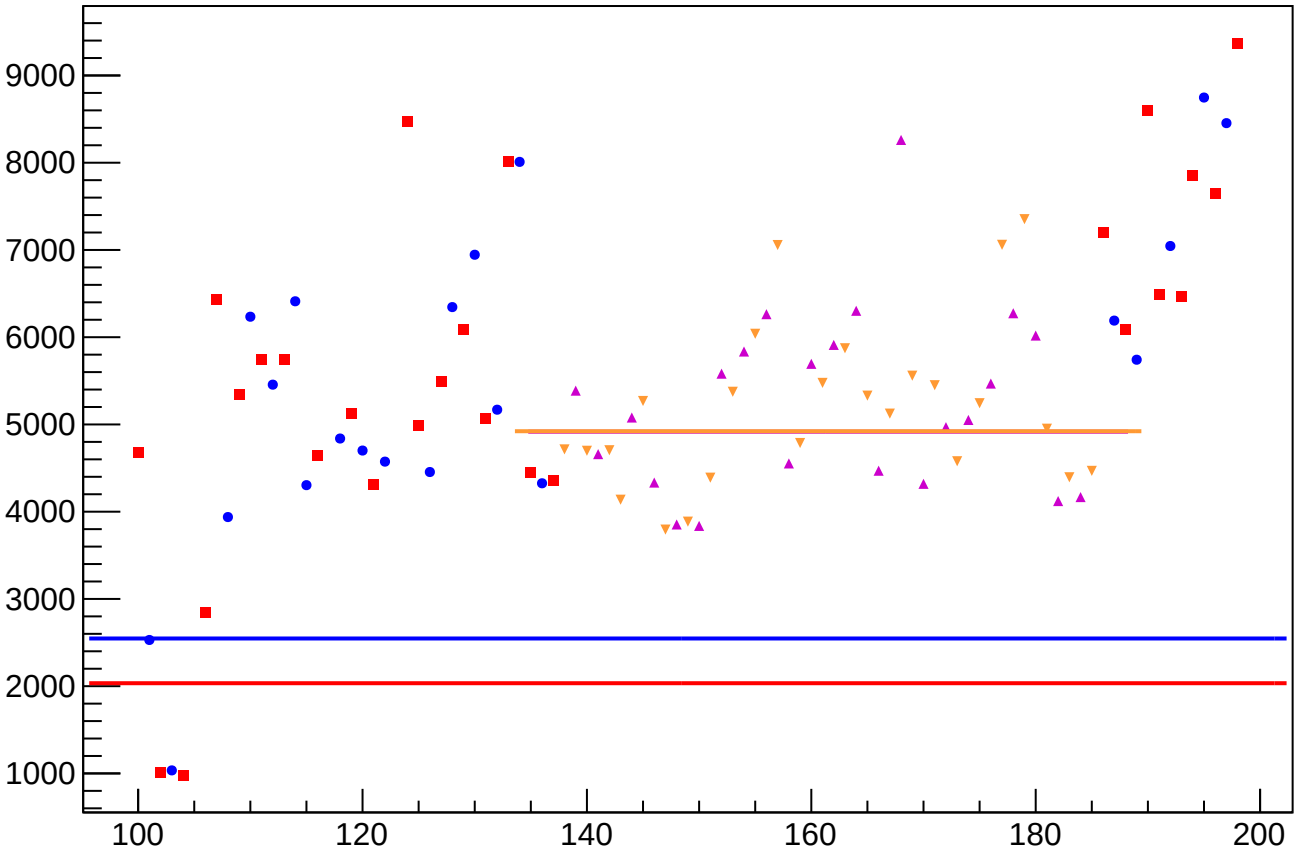
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -568.268+/-636.940 χ^2/NDF: 48.4/47

In: -558.982+/-775.775 χ^2/NDF:34.4/43

Out: -221.636+/-659.276 χ^2/NDF:55.5/51

All: -363.102+/-502.371 χ^2/NDF: 90.0/95



Right In: 2546.643+/-0.732 χ^2/NDF: 8609726.7/20

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 2034.023+/-0.571 χ^2/NDF: 12720628.0/26

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

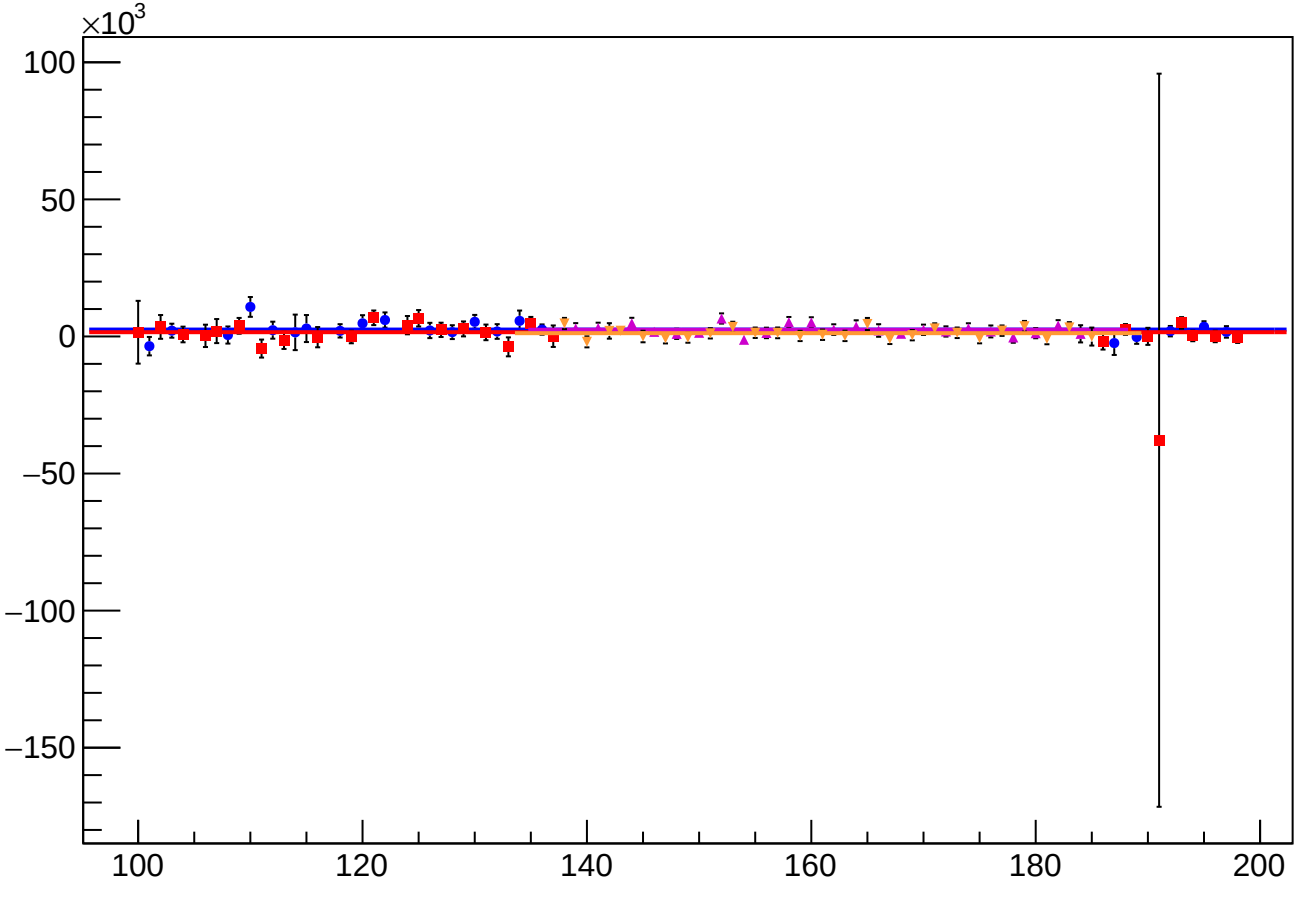
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 2227.923+/-0.450 χ^2/NDF: 21635018.1/47

In: 3586.924+/-0.549 χ^2/NDF:14369424.6/43

Out: 2998.393+/-0.466 χ^2/NDF:22308749.9/51

All: 3245.194+/-0.355 χ^2/NDF: 37346535.5/9



Right In: 2513.554+/-587.035 χ^2/NDF: 16.3/20

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: 1554.533+/-546.655 χ^2/NDF: 23.8/26

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

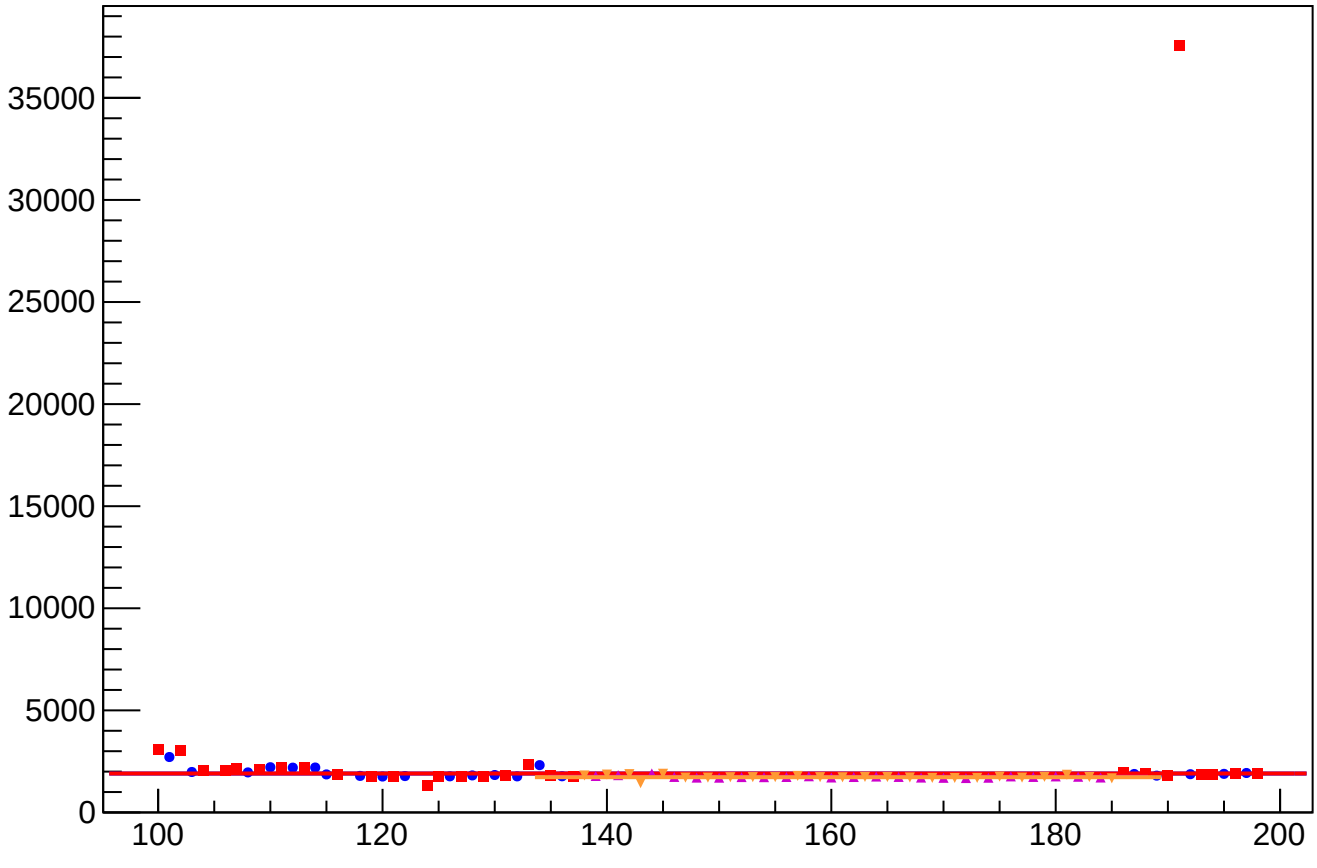
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 1999.928+/-400.058 χ^2/NDF: 41.6/47

In: 2462.615+/-334.781 χ^2/NDF:36.9/43

Out: 1319.051+/-319.087 χ^2/NDF:43.6/51

All: 1863.401+/-230.977 χ^2/NDF: 86.6/95



Right In: 1905.822+/-0.415 χ^2/NDF: 220703.4/20

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1908.057+/-0.386 χ^2/NDF: 498094.1/26

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

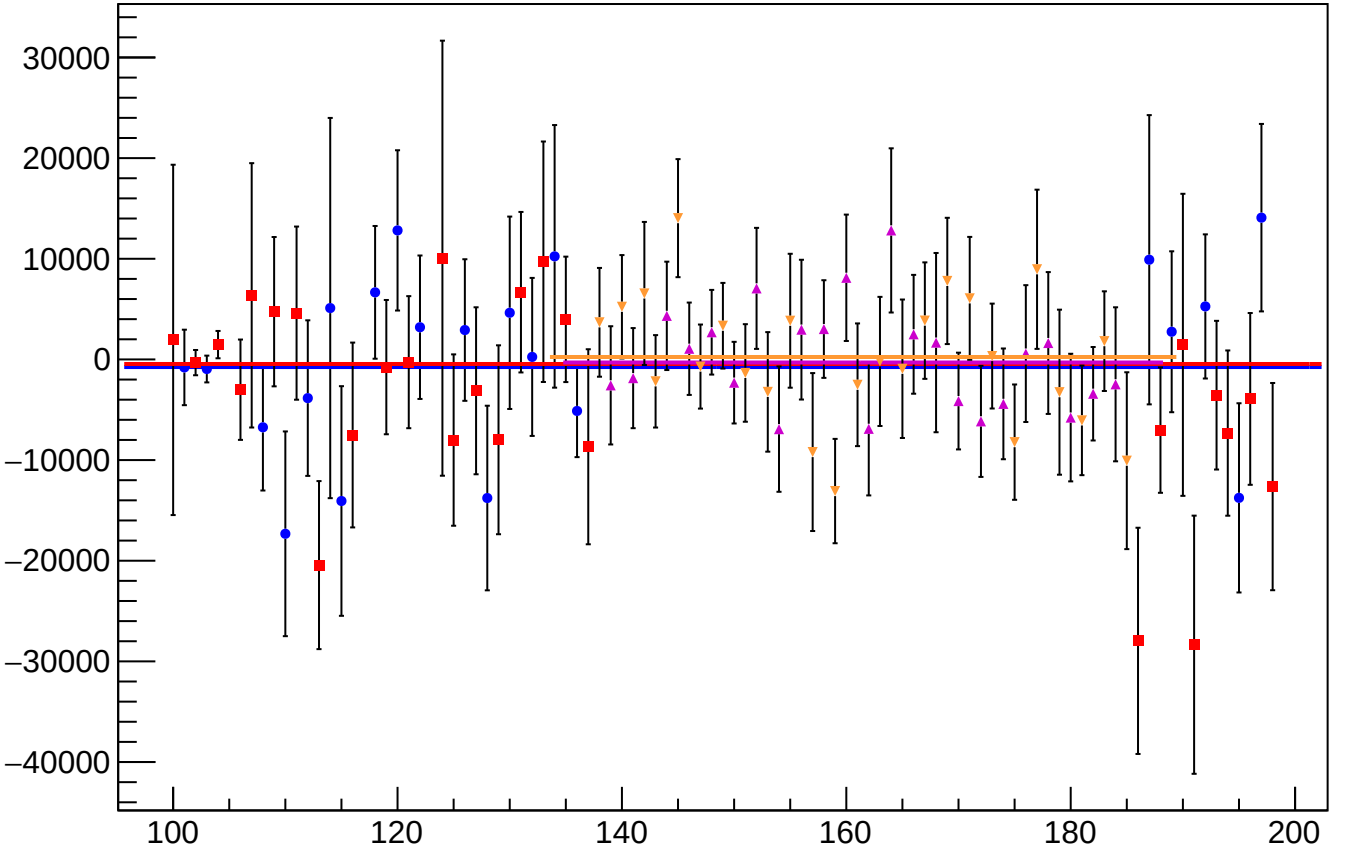
Right: 1907.019+/-0.283 χ^2/NDF: 718813.0/47

In: 1797.057+/-0.237 χ^2/NDF:349248.9/43

Out: 1788.882+/-0.226 χ^2/NDF:752723.5/51

All: 1792.773+/-0.163 χ^2/NDF: 1102597.2/95

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -756.764+/-1035.635 χ^2/NDF: 19.8/20

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: -453.596+/-807.777 χ^2/NDF: 28.5/26

Left In: -306.109+/-1171.021 χ^2/NDF:14.5/22

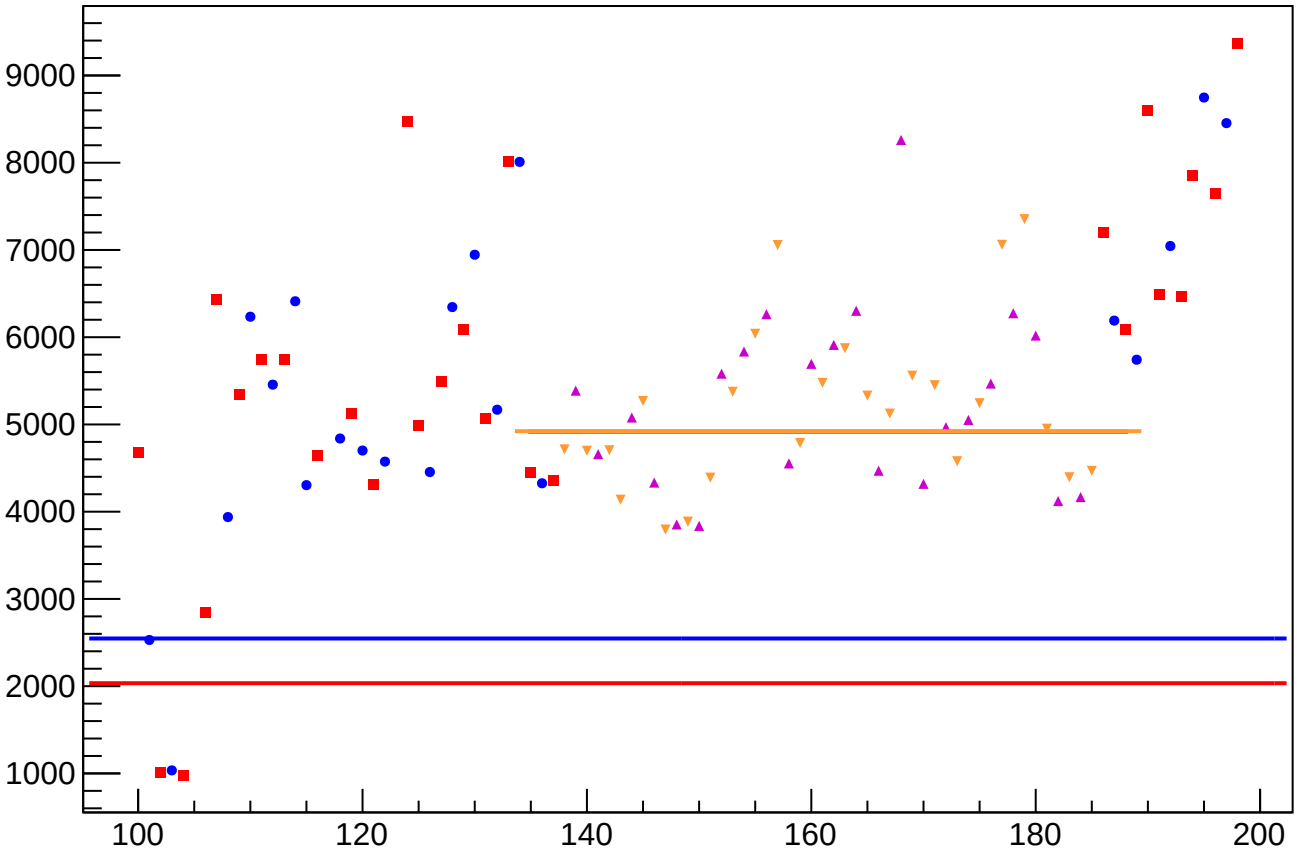
Left: -25.377+/-817.202 χ^2/NDF: 41.3/47

Right: -568.270+/-636.939 χ^2/NDF: 48.4/47

In: -558.982+/-775.775 χ^2/NDF:34.4/43

Out: -221.640+/-659.276 χ^2/NDF:55.5/51

All: -363.105+/-502.371 χ^2/NDF: 90.0/95



Right In: 2546.642+/-0.732 χ^2/NDF: 8609723.7/20

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 2034.023+/-0.571 χ^2/NDF: 12720622.4/26

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

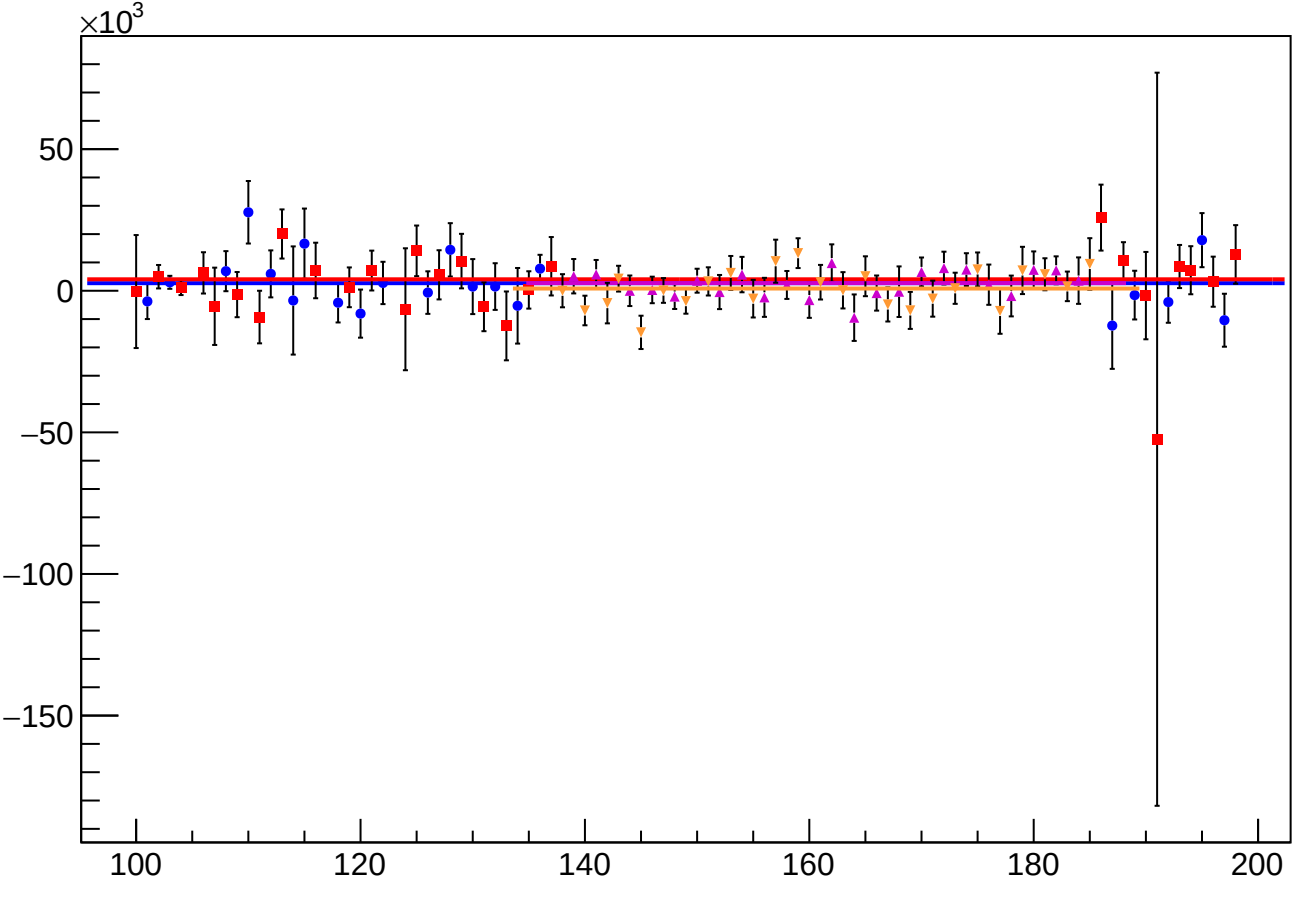
Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

Right: 2227.922+/-0.450 χ^2/NDF: 21635009.2/47

In: 3586.924+/-0.549 χ^2/NDF:14369454.2/43

Out: 2998.393+/-0.466 χ^2/NDF:22308782.0/51

All: 3245.194+/-0.355 χ^2/NDF: 37346598.2/9



Right In: 2674.541+/-1441.971 χ^2/NDF: 20.5/20

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: 4044.509+/-1409.227 χ^2/NDF: 20.0/26

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

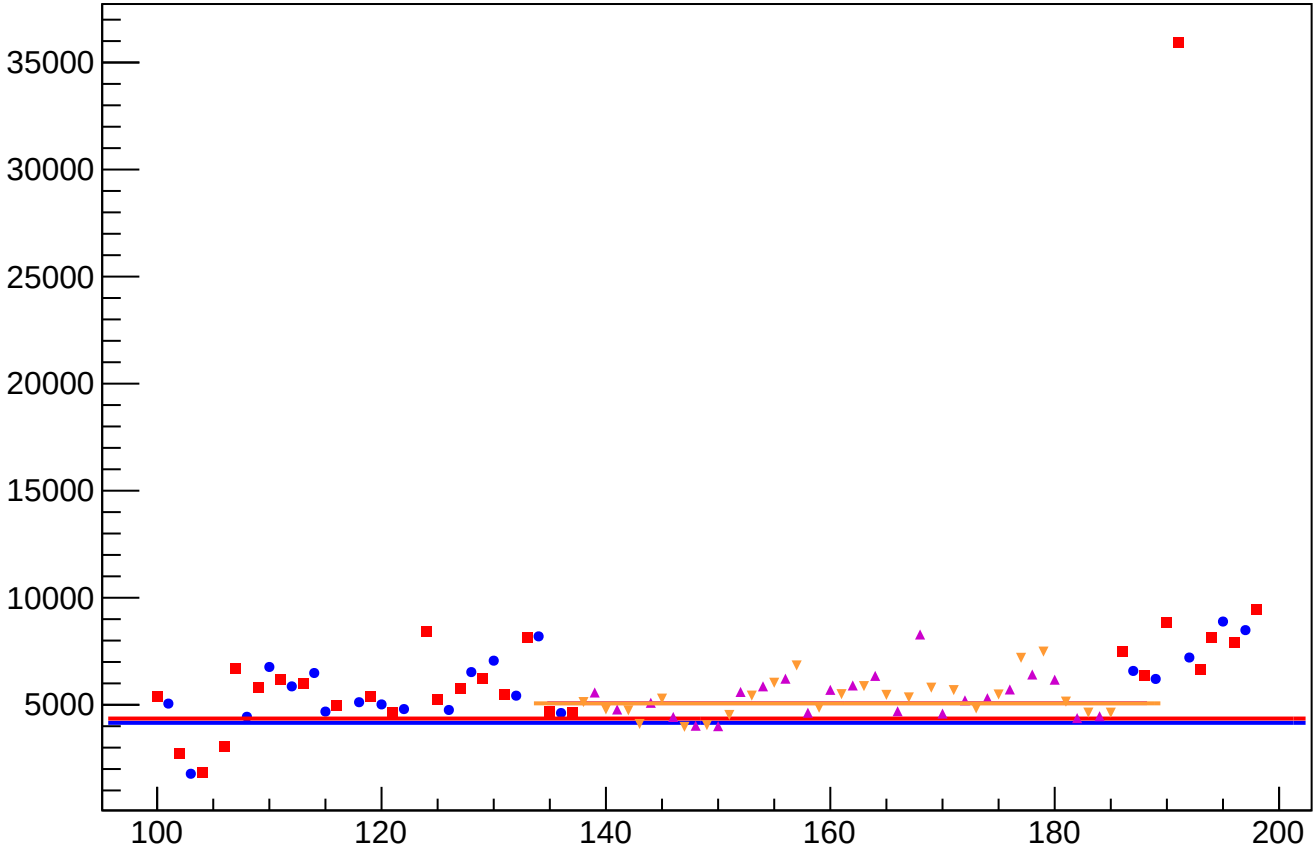
Right: 3375.256+/-1007.851 χ^2/NDF: 40.9/47

In: 2692.773+/-925.225 χ^2/NDF:32.4/43

Out: 2119.404+/-901.079 χ^2/NDF:50.8/51

All: 2398.509+/-645.527 χ^2/NDF: 83.3/95

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 4158.211+/-1.020 χ^2/NDF: 4499372.6/20

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4358.164+/-0.988 χ^2/NDF: 5057701.0/26

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

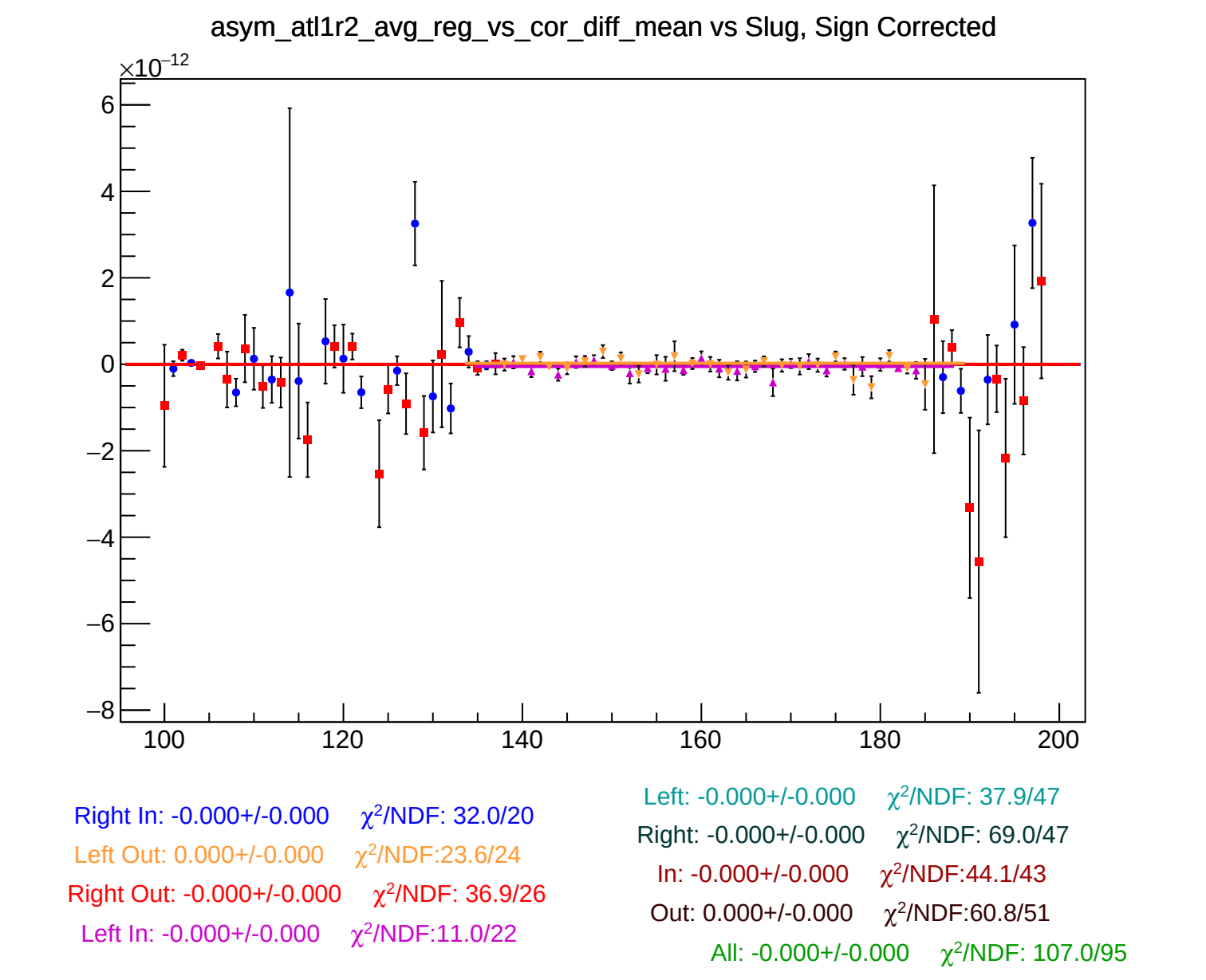
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

Right: 4261.311+/-0.710 χ^2/NDF: 9576902.9/47

In: 4700.331+/-0.654 χ^2/NDF:5981131.5/43

Out: 4774.875+/-0.635 χ^2/NDF:6314783.9/51

All: 4738.715+/-0.456 χ^2/NDF: 12302600.6/9


asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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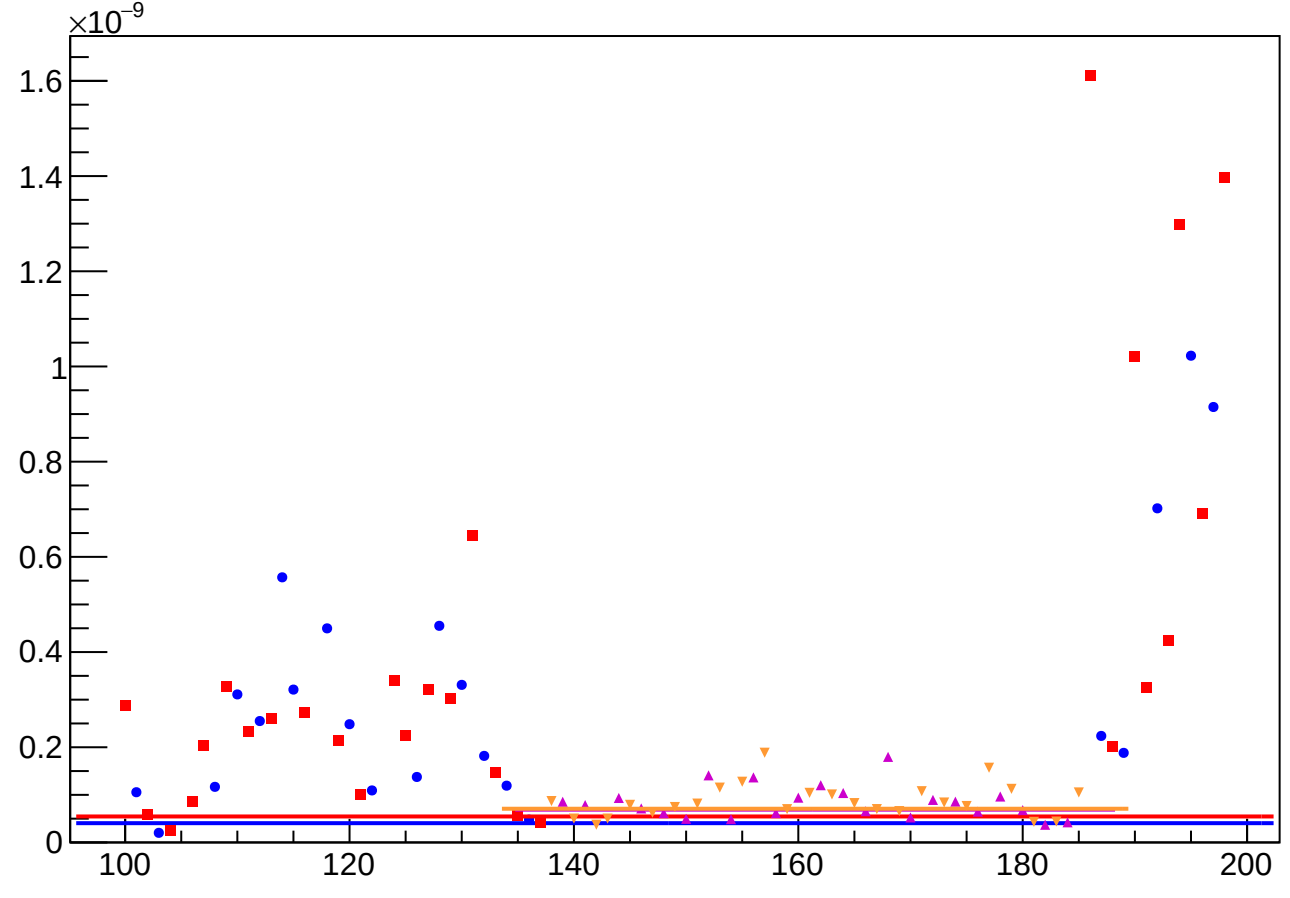
−2
−4
−6
−8
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 32.0/20
Left Out: 0.000+/-0.000 χ²/NDF:23.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 36.9/26
Left In: -0.000+/-0.000 χ²/NDF:11.0/22
Left: -0.000+/-0.000 χ²/NDF: 37.9/47
Right: -0.000+/-0.000 χ²/NDF: 69.0/47
In: -0.000+/-0.000 χ²/NDF:44.1/43
Out: 0.000+/-0.000 χ²/NDF:60.8/51
All: -0.000+/-0.000 χ²/NDF: 107.0/95



Right In: 0.000+/-0.000 χ^2/NDF: 5484702.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6780888.8/26

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

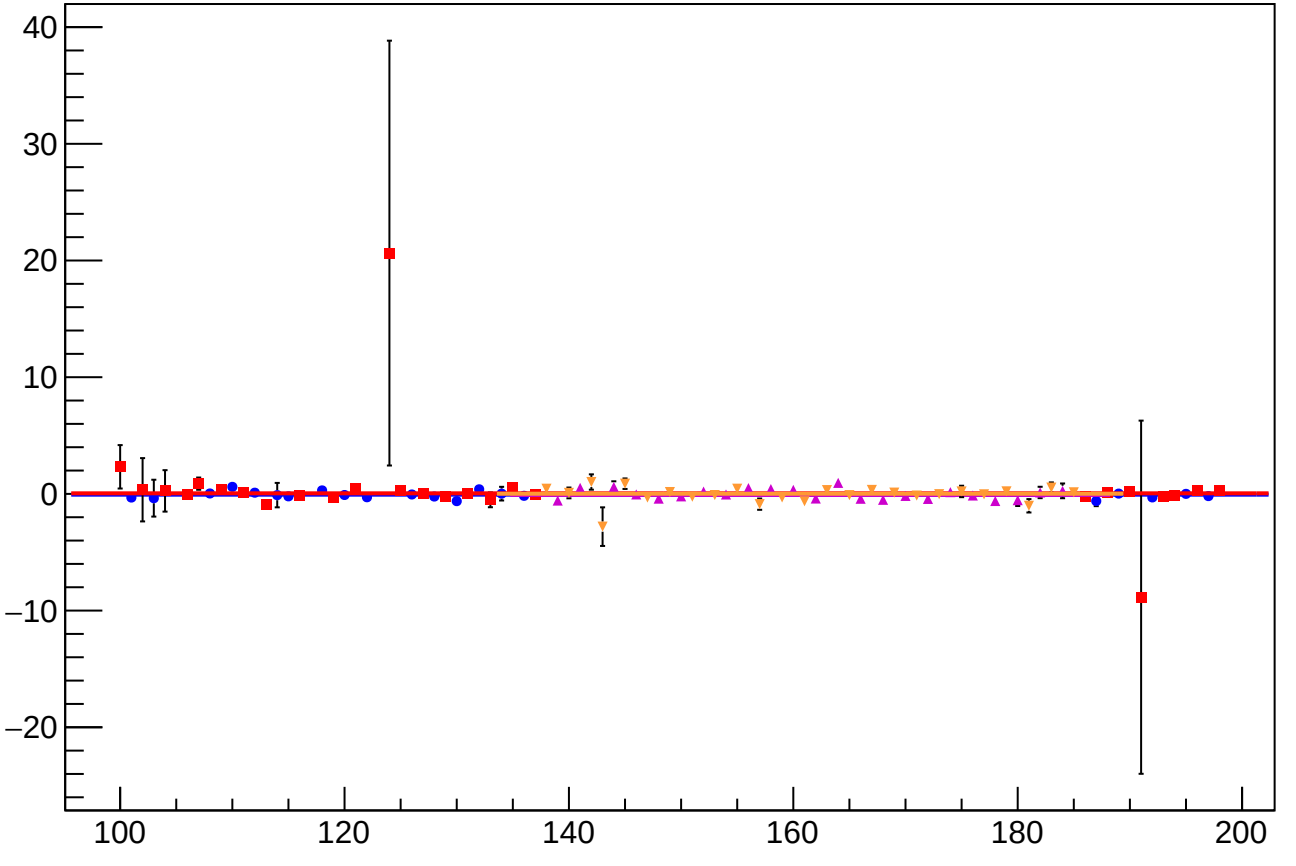
Right: 0.000+/-0.000 χ^2/NDF: 12386586.7/47

In: 0.000+/-0.000 χ^2/NDF:7657080.1/43

Out: 0.000+/-0.000 χ^2/NDF:8457741.9/51

All: 0.000+/-0.000 χ^2/NDF: 16243272.5/95

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.069 χ^2/NDF: 14.3/20

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.049+/-0.055 χ^2/NDF: 27.7/26

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

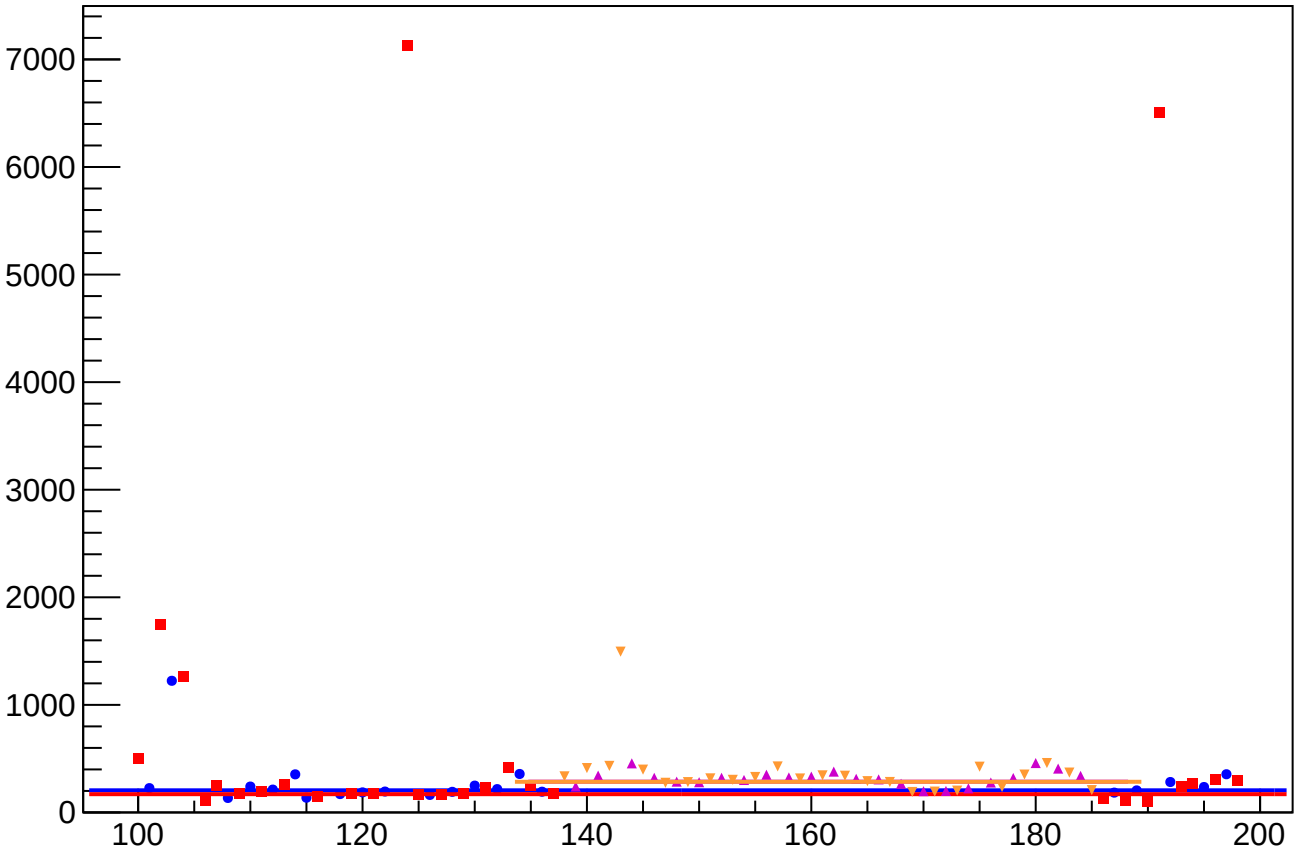
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.003+/-0.043 χ^2/NDF: 43.7/47

In: -0.078+/-0.049 χ^2/NDF:45.2/43

Out: 0.036+/-0.043 χ^2/NDF:56.1/51

All: -0.014+/-0.033 χ^2/NDF: 104.4/95



Right In: 205.812+/-0.048 χ^2/NDF: 1887807.7/20

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 169.905+/-0.039 χ^2/NDF: 4686054.4/26

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

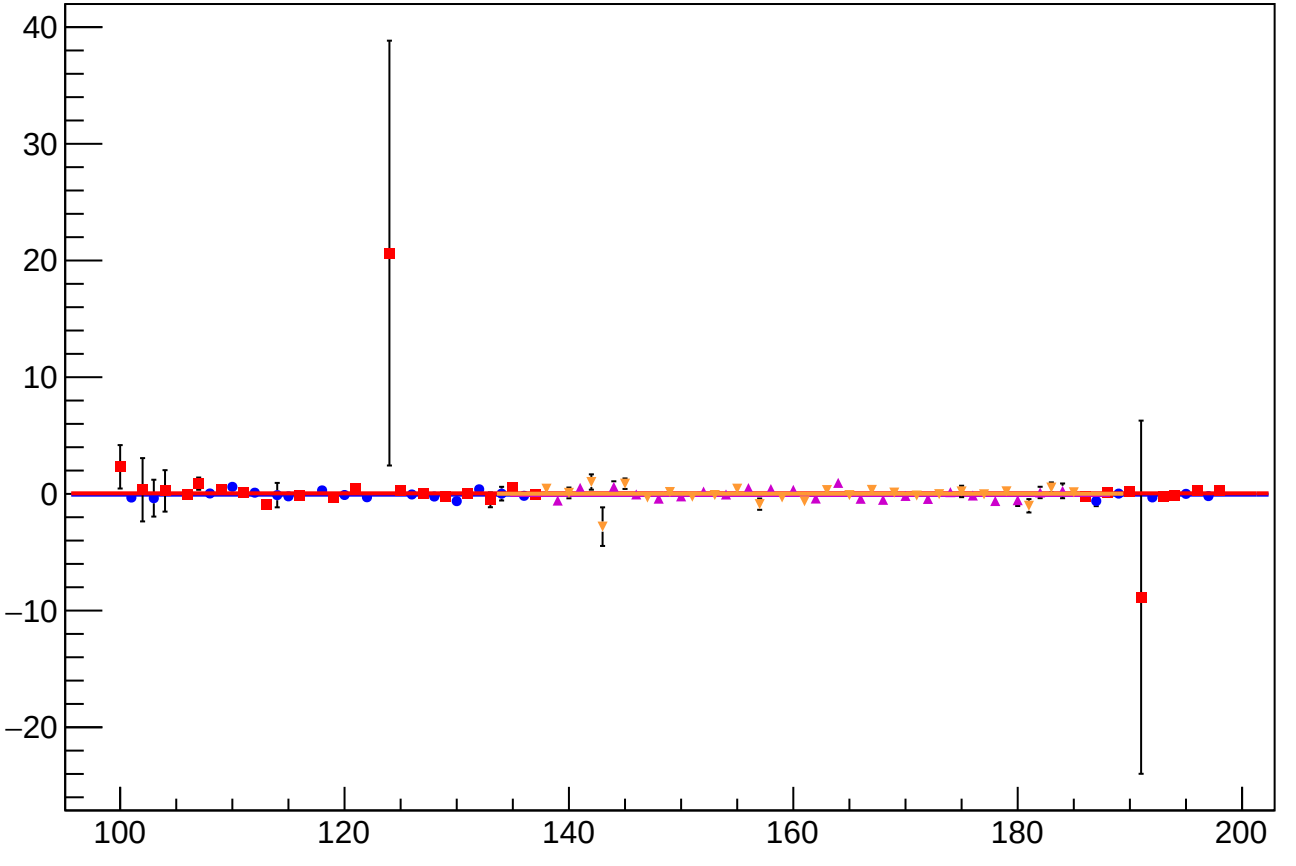
Right: 184.120+/-0.030 χ^2/NDF: 6905425.9/47

In: 244.761+/-0.035 χ^2/NDF:4959900.0/43

Out: 214.470+/-0.031 χ^2/NDF:11426197.8/51

All: 227.764+/-0.023 χ^2/NDF: 16812920.0/95

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.069 χ^2/NDF: 14.3/20

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.049+/-0.055 χ^2/NDF: 27.7/26

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

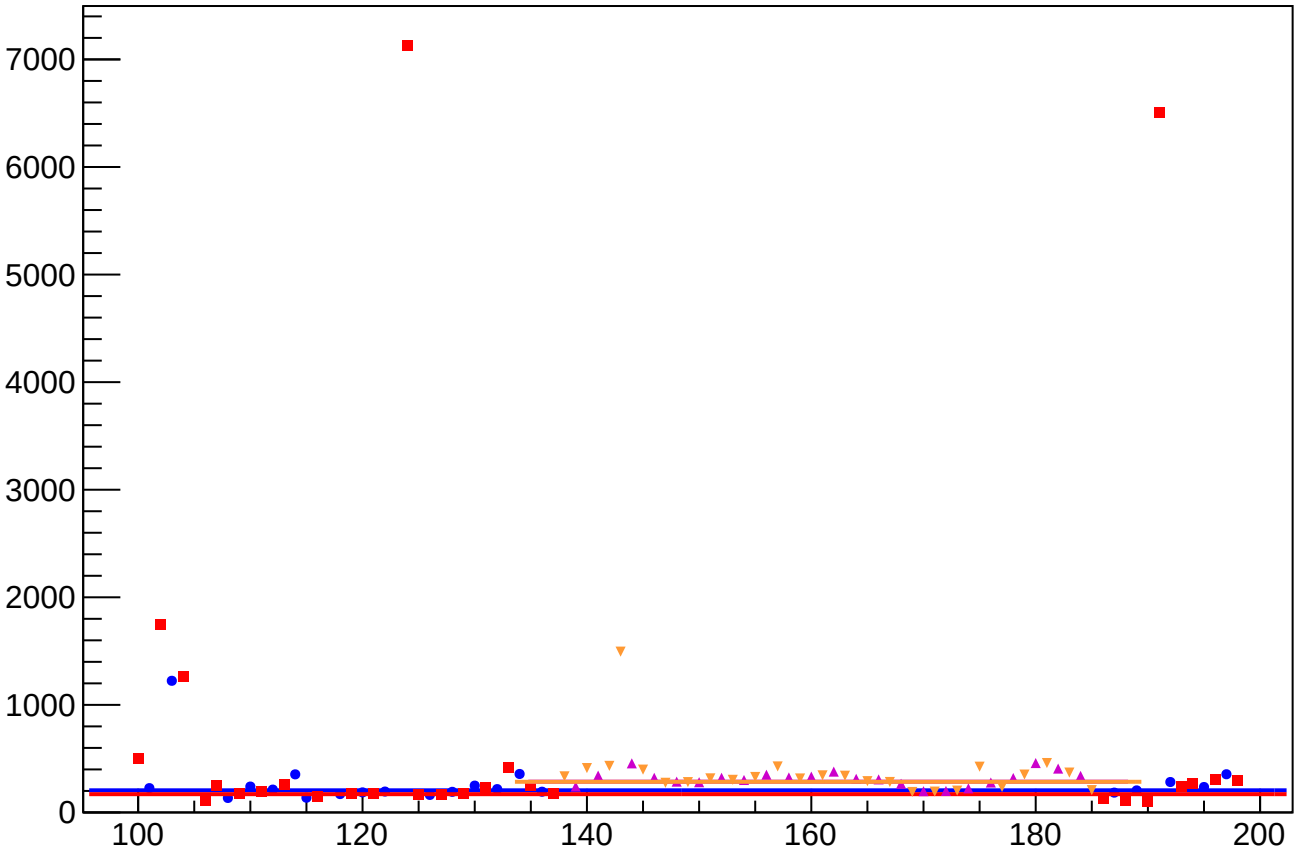
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.003+/-0.043 χ^2/NDF: 43.7/47

In: -0.078+/-0.049 χ^2/NDF:45.2/43

Out: 0.036+/-0.043 χ^2/NDF:56.1/51

All: -0.014+/-0.033 χ^2/NDF: 104.4/95



Right In: 205.812+/-0.048 χ^2/NDF: 1887807.7/20

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 169.905+/-0.039 χ^2/NDF: 4686054.4/26

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

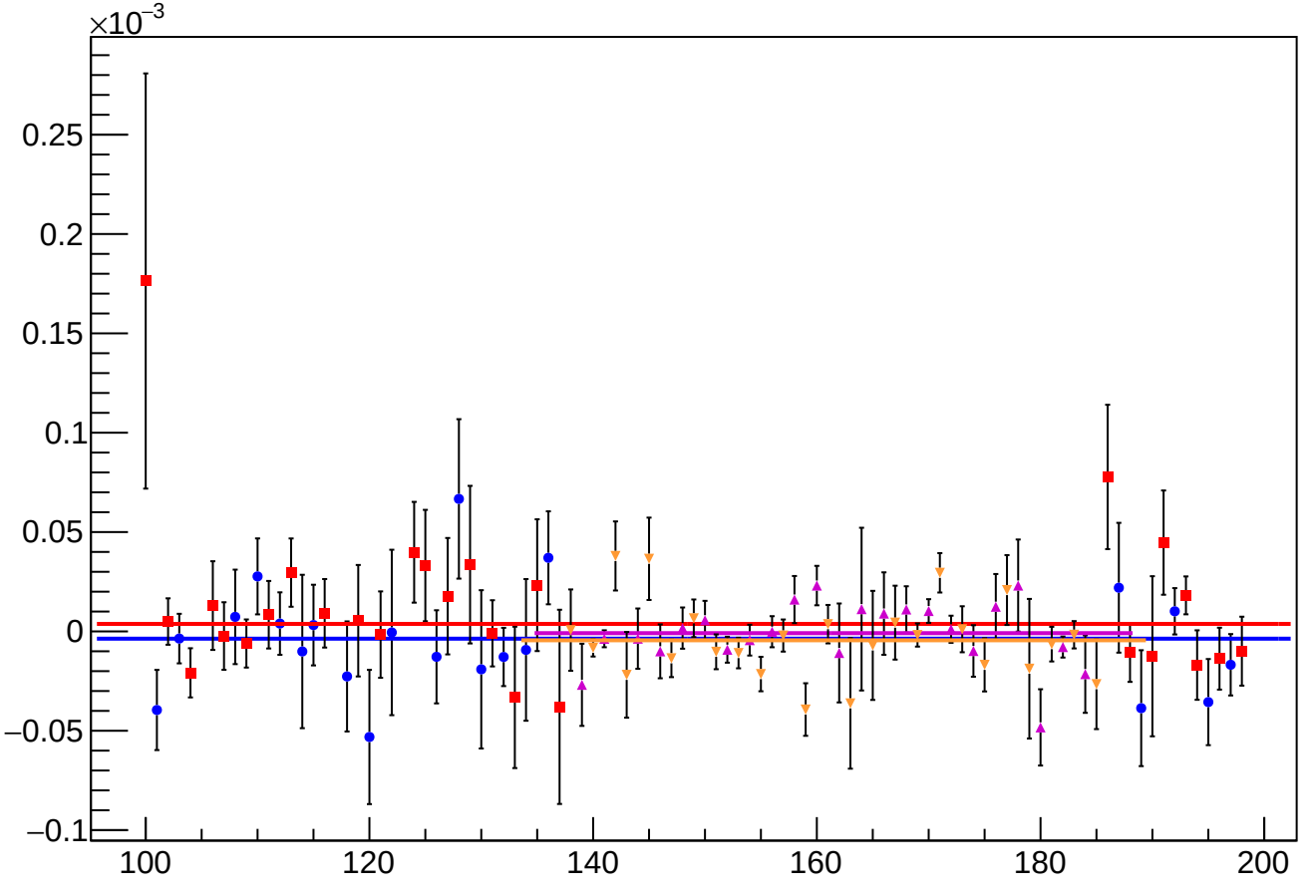
Right: 184.120+/-0.030 χ^2/NDF: 6905425.9/47

In: 244.761+/-0.035 χ^2/NDF:4959900.0/43

Out: 214.470+/-0.031 χ^2/NDF:11426197.8/51

All: 227.764+/-0.023 χ^2/NDF: 16812920.0/95

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.2/20

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.6/26

Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

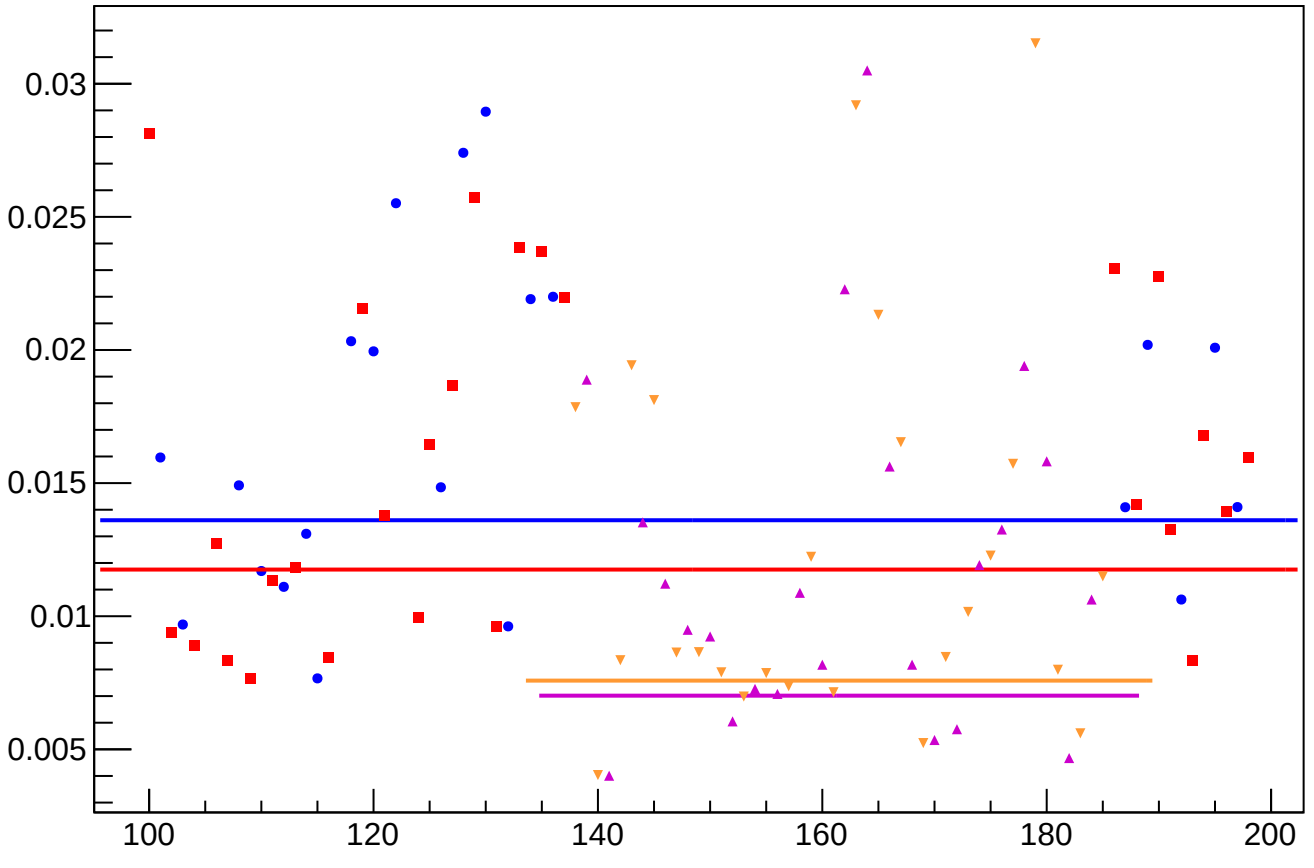
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: 0.000+/-0.000 χ^2/NDF: 53.5/47

In: -0.000+/-0.000 χ^2/NDF:51.5/43

Out: -0.000+/-0.000 χ^2/NDF:77.6/51

All: -0.000+/-0.000 χ^2/NDF: 129.4/95



Right In: 0.014+/-0.000 χ^2/NDF: 2291807.3/20

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

Right Out: 0.012+/-0.000 χ^2/NDF: 2909016.7/26

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

Left: 0.007+/-0.000 χ^2/NDF: 14177078.3/47

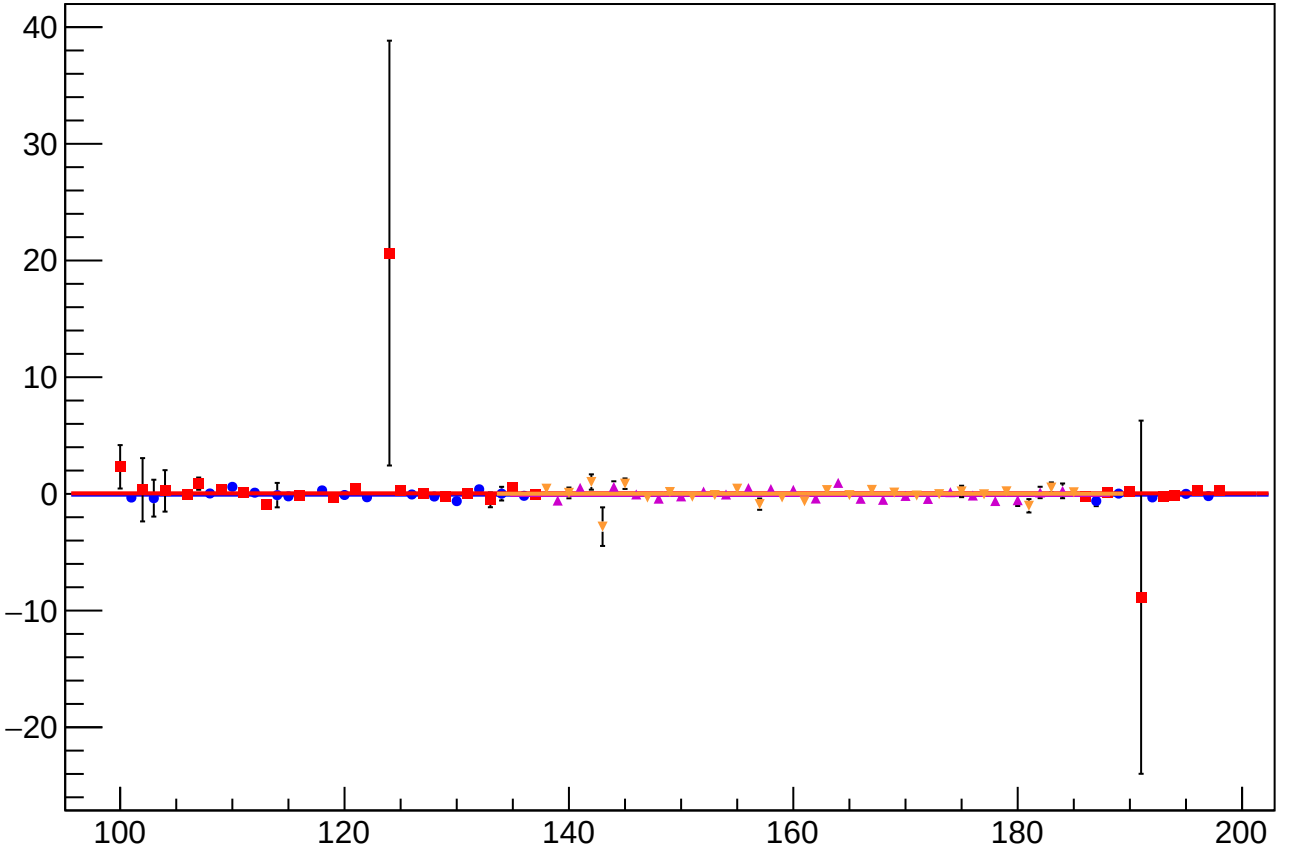
Right: 0.012+/-0.000 χ^2/NDF: 5409889.2/47

In: 0.008+/-0.000 χ^2/NDF:12669794.1/43

Out: 0.009+/-0.000 χ^2/NDF:12370451.5/51

All: 0.008+/-0.000 χ^2/NDF: 25138034.5/95

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.069 χ^2/NDF: 14.3/20

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.049+/-0.055 χ^2/NDF: 27.7/26

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

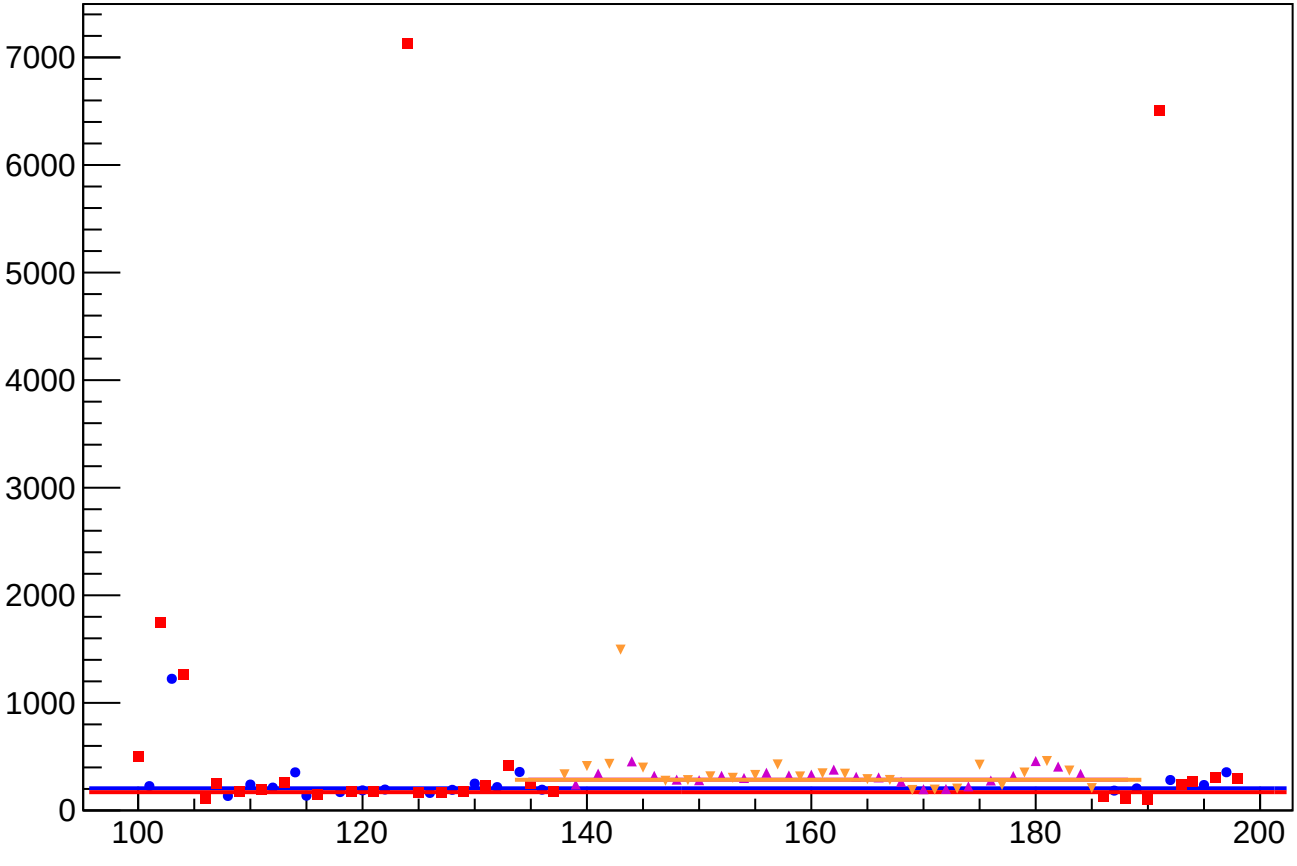
Right: 0.003+/-0.043 χ^2/NDF: 43.7/47

In: -0.078+/-0.049 χ^2/NDF:45.2/43

Out: 0.036+/-0.043 χ^2/NDF:56.1/51

All: -0.014+/-0.033 χ^2/NDF: 104.4/95

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 205.810+/-0.048 χ^2/NDF: 1887798.6/20

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 169.903+/-0.039 χ^2/NDF: 4686171.0/26

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

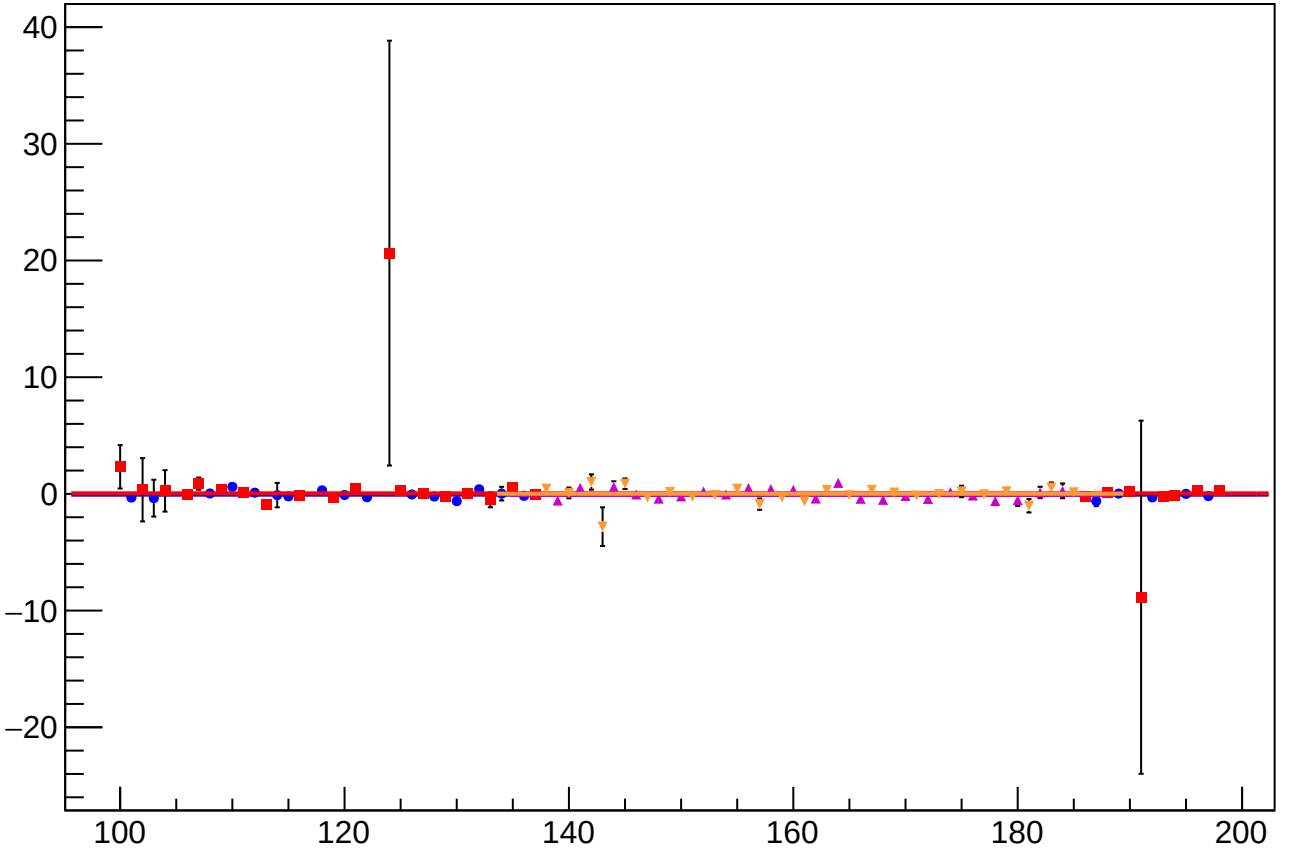
Right: 184.117+/-0.030 χ^2/NDF: 6905566.2/47

In: 244.760+/-0.035 χ^2/NDF:4960057.6/43

Out: 214.468+/-0.031 χ^2/NDF:11426665.4/51

All: 227.763+/-0.023 χ^2/NDF: 16813596.3/95

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.069 χ^2/NDF: 14.3/20

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.049+/-0.055 χ^2/NDF: 27.7/26

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

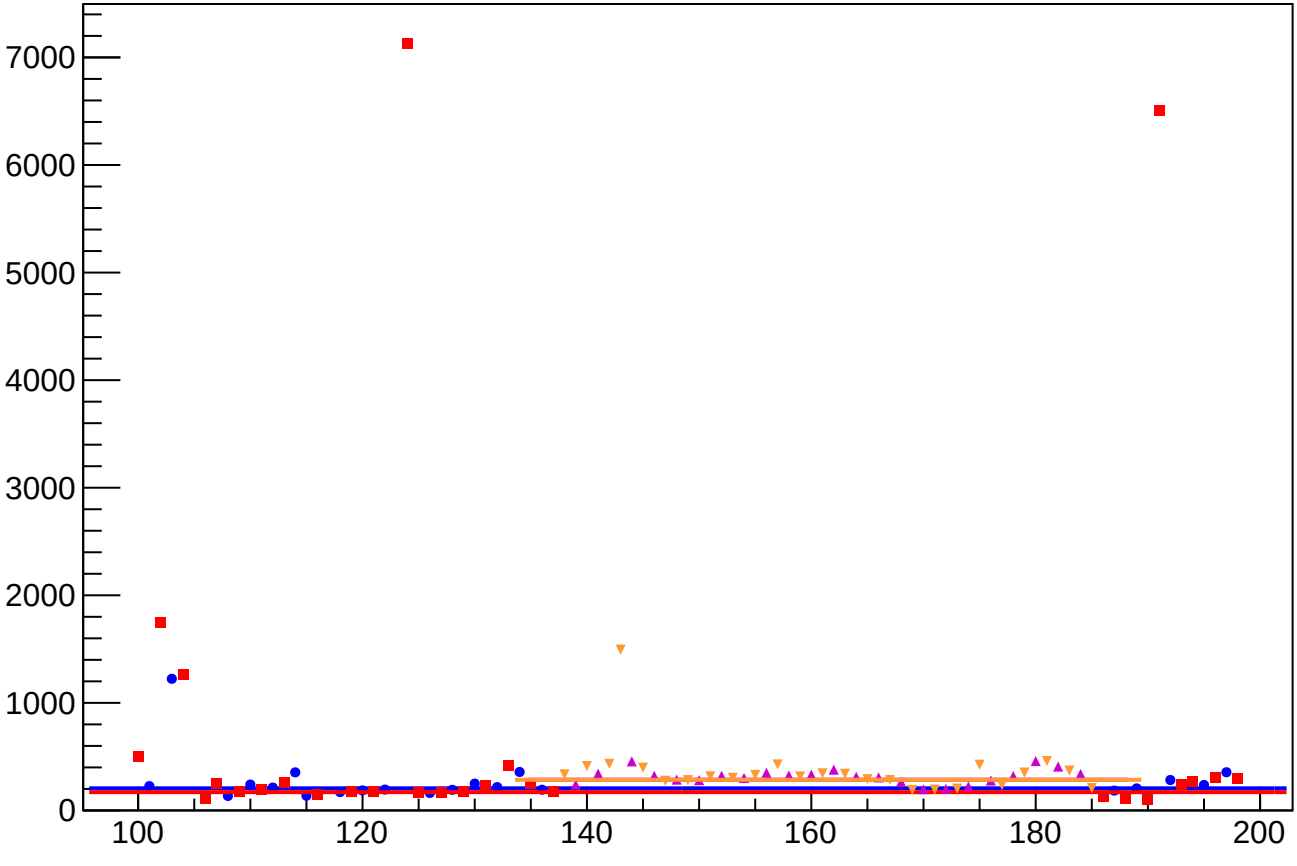
Right: 0.003+/-0.043 χ^2/NDF: 43.7/47

In: -0.078+/-0.049 χ^2/NDF:45.2/43

Out: 0.036+/-0.043 χ^2/NDF:56.1/51

All: -0.014+/-0.033 χ^2/NDF: 104.4/95

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 205.810+/-0.048 χ^2/NDF: 1887798.6/20

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 169.903+/-0.039 χ^2/NDF: 4686171.0/26

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

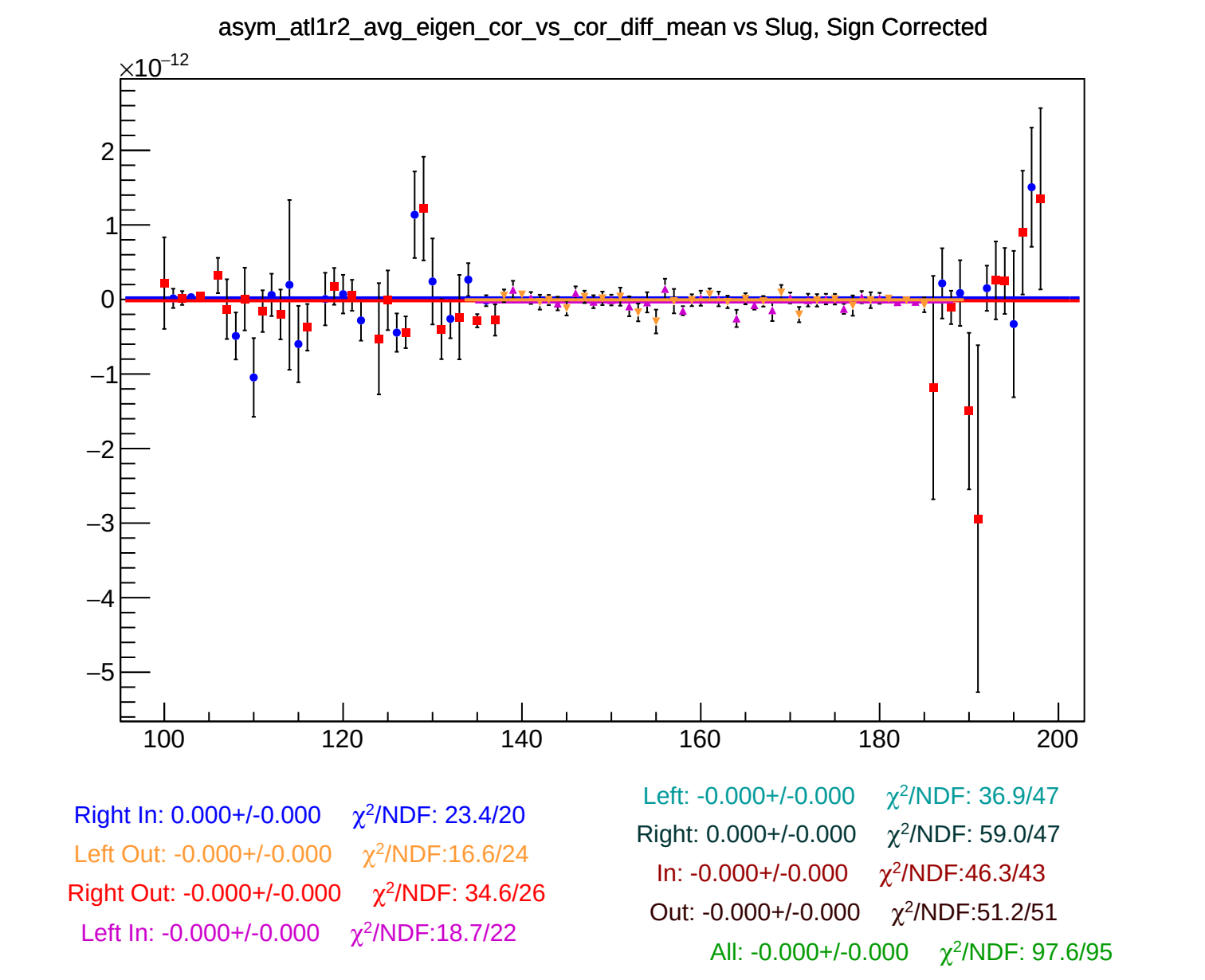
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

Right: 184.117+/-0.030 χ^2/NDF: 6905566.2/47

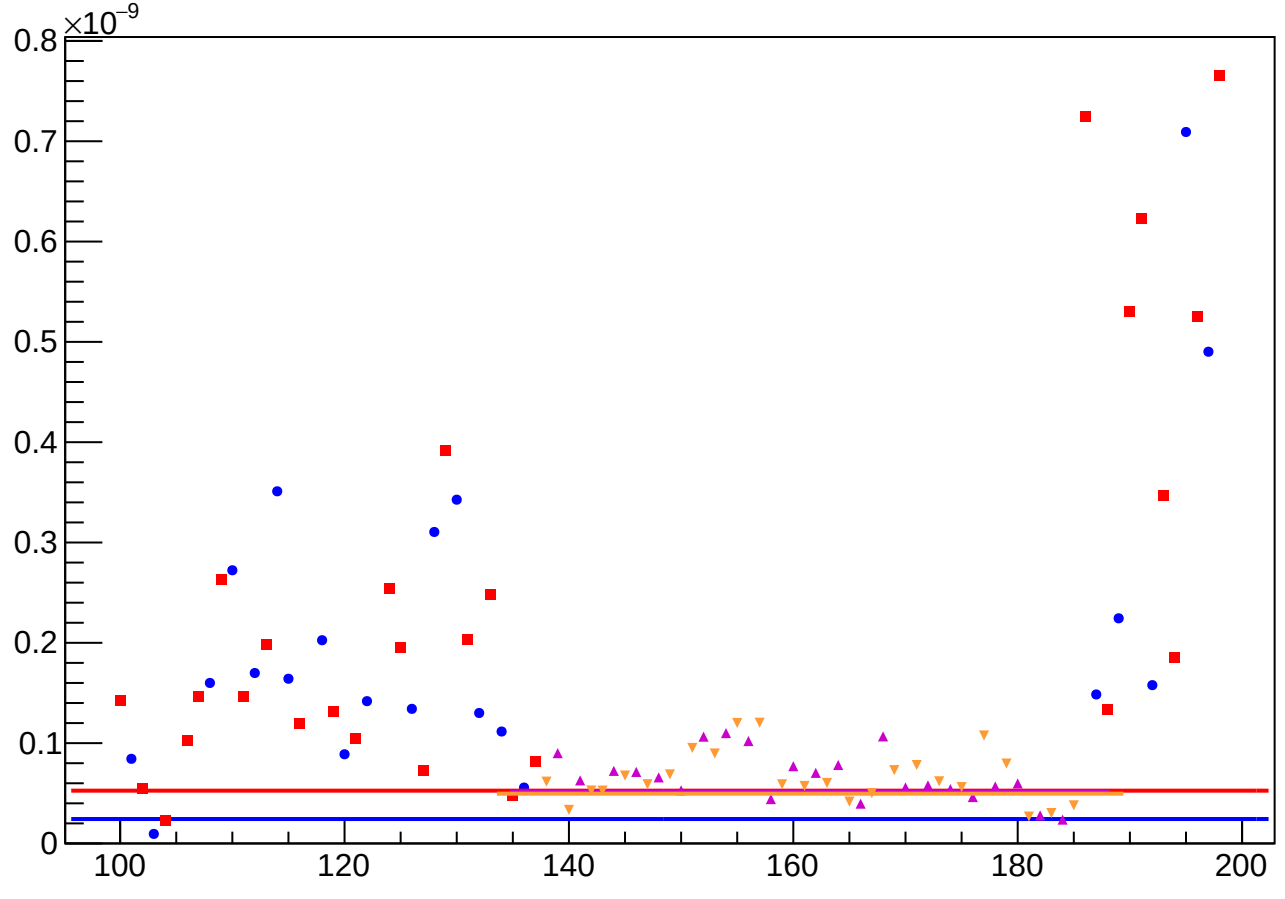
In: 244.760+/-0.035 χ^2/NDF:4960057.6/43

Out: 214.468+/-0.031 χ^2/NDF:11426665.4/51

All: 227.763+/-0.023 χ^2/NDF: 16813596.3/95


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: 23.4/20
Left Out: -0.000+/-0.000 χ²/NDF:16.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 34.6/26
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: 59.0/47
In: -0.000+/-0.000 χ²/NDF:46.3/43
Out: -0.000+/-0.000 χ²/NDF:51.2/51
All: -0.000+/-0.000 χ²/NDF: 97.6/95

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9020048.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7638584.7/26

Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

Left: 0.000+/-0.000 χ^2/NDF: 7555879.5/47

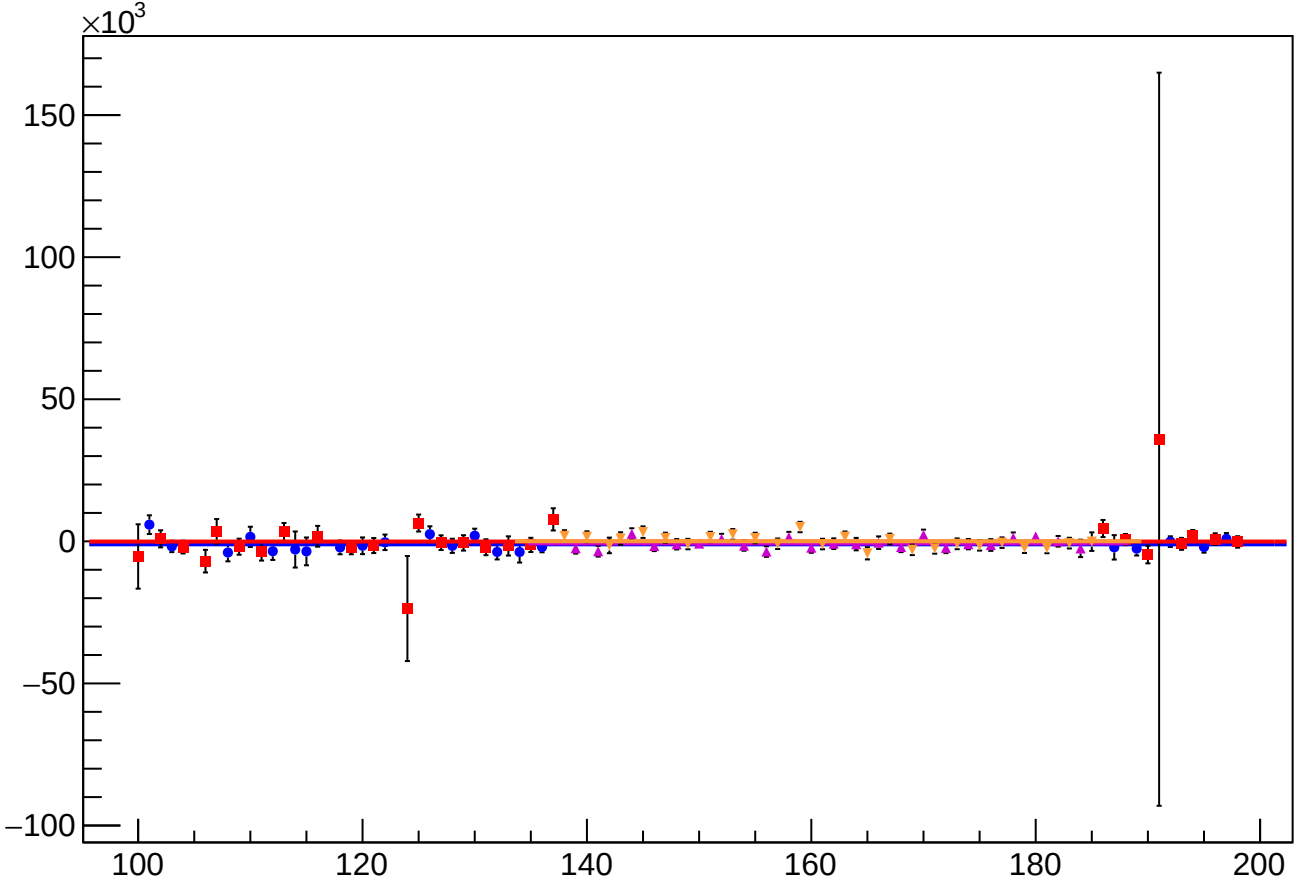
Right: 0.000+/-0.000 χ^2/NDF: 17829470.3/47

In: 0.000+/-0.000 χ^2/NDF:14871562.0/43

Out: 0.000+/-0.000 χ^2/NDF:11536664.0/51

All: 0.000+/-0.000 χ^2/NDF: 26868980.3/95

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1047.580+/-569.720 χ^2/NDF: 14.1/20

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: -73.200+/-536.987 χ^2/NDF: 26.6/26

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

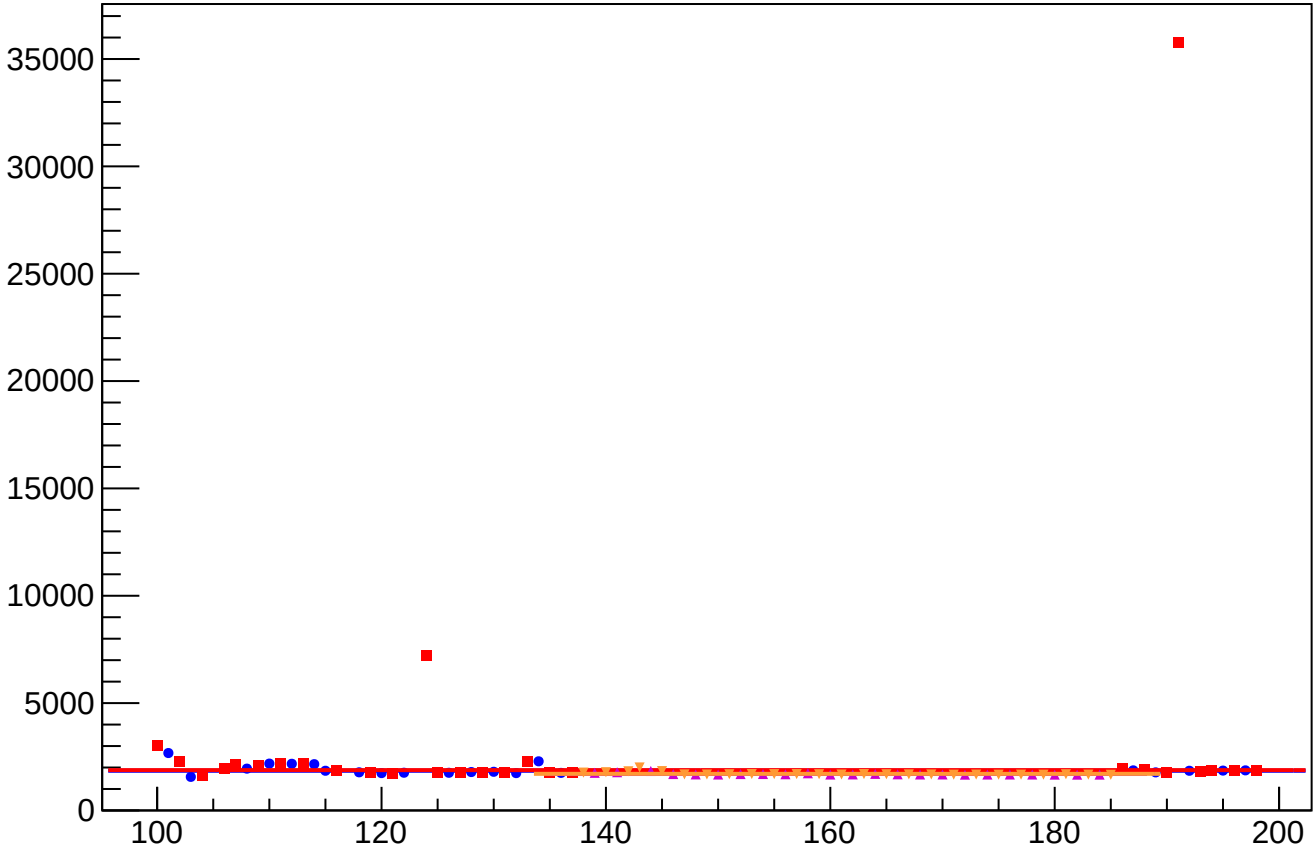
Right: -531.596+/-390.767 χ^2/NDF: 42.2/47

In: -826.539+/-325.414 χ^2/NDF:33.4/43

Out: -9.892+/-314.352 χ^2/NDF:56.1/51

All: -404.099+/-226.090 χ^2/NDF: 92.7/95

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1848.702+/-0.403 χ^2/NDF: 262136.3/20

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1878.601+/-0.379 χ^2/NDF: 511011.7/26

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

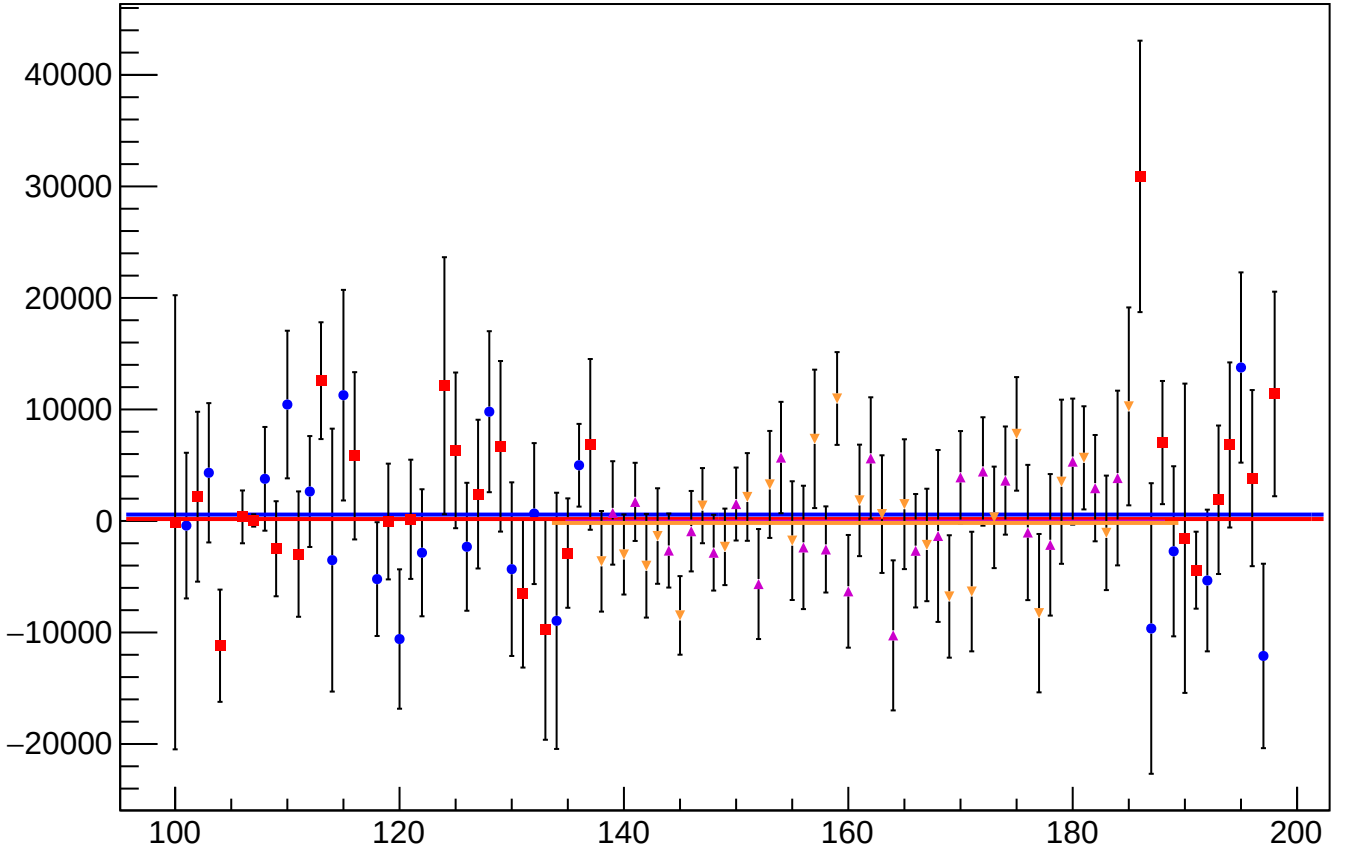
Right: 1864.555+/-0.276 χ^2/NDF: 776068.6/47

In: 1746.839+/-0.230 χ^2/NDF:378177.2/43

Out: 1765.013+/-0.222 χ^2/NDF:707575.0/51

All: 1756.245+/-0.160 χ^2/NDF: 1088980.7/95

asym_atl1r2_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 572.146+/-1387.541 χ^2/NDF: 20.3/20

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: 172.567+/-493.392 χ^2/NDF: 30.3/26

Left In: -56.448+/-956.389 χ^2/NDF:14.3/22

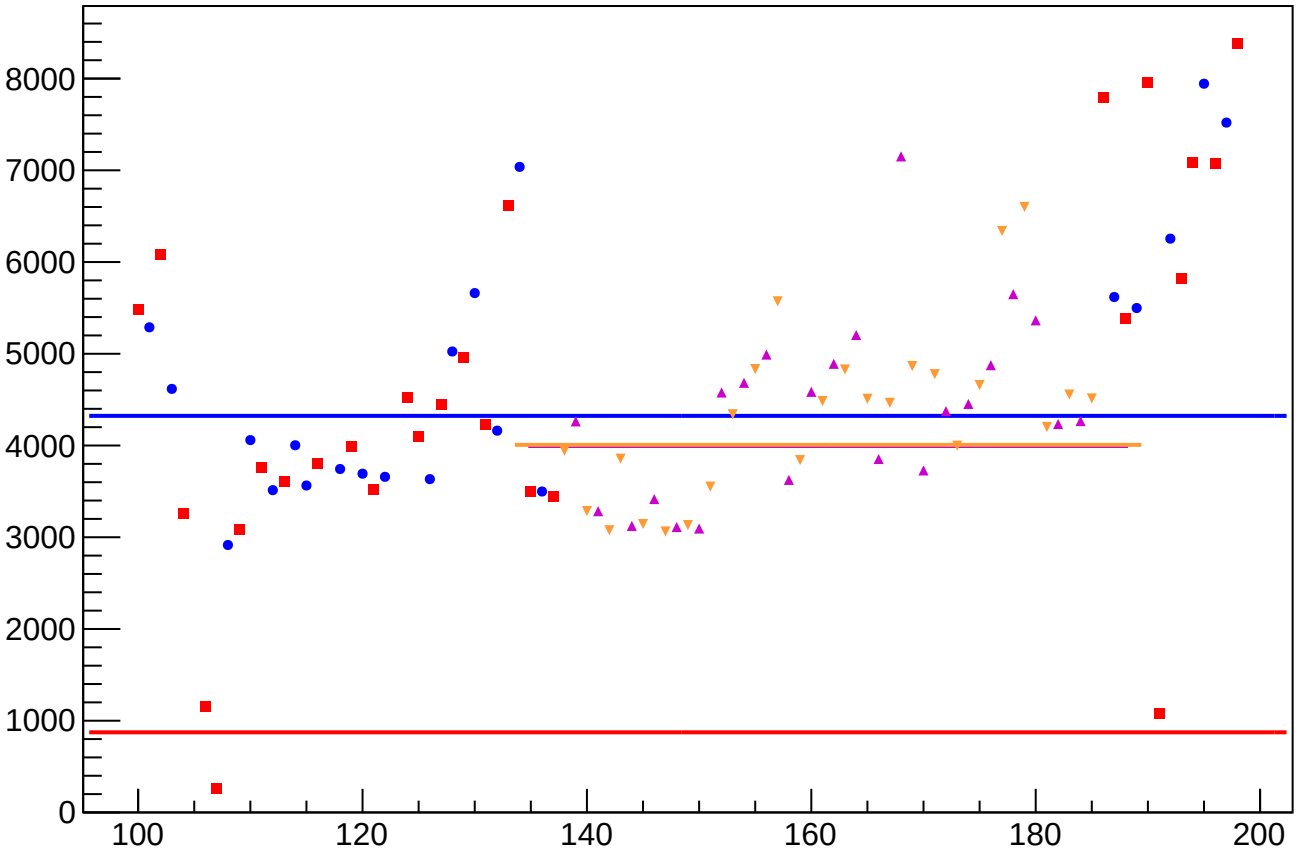
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: 217.419+/-464.877 χ^2/NDF: 50.6/47

In: 146.007+/-787.453 χ^2/NDF:34.7/43

Out: 96.713+/-436.378 χ^2/NDF:58.3/51

All: 108.294+/-381.689 χ^2/NDF: 93.0/95



Right In: 4323.266+/-0.981 χ^2/NDF: 1605294.2/20

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 873.667+/-0.349 χ^2/NDF: 18437769.4/26

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

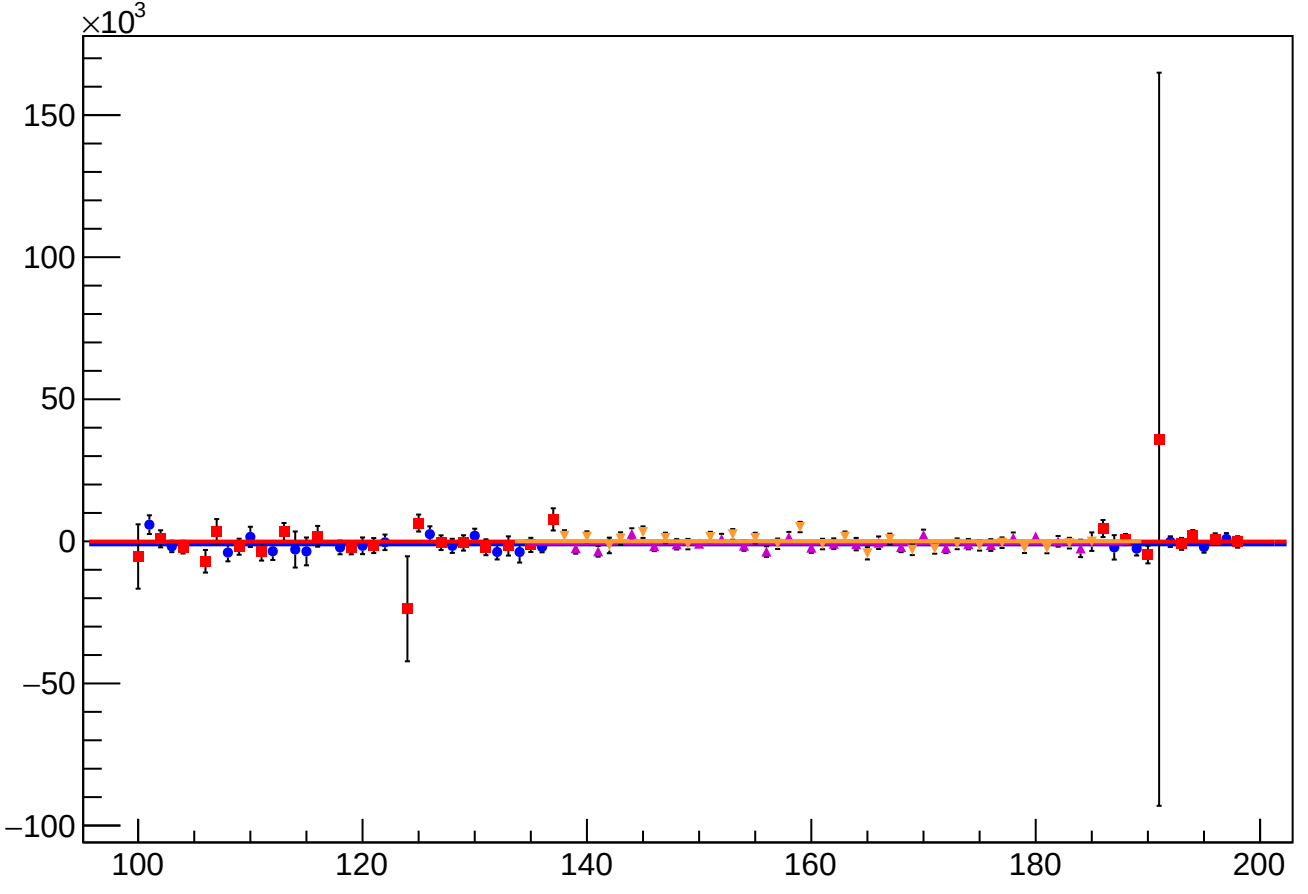
Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

Right: 1260.883+/-0.329 χ^2/NDF: 31017101.9/47

In: 4100.709+/-0.557 χ^2/NDF:3219309.2/43

Out: 1555.972+/-0.309 χ^2/NDF:37505702.7/51

All: 2153.848+/-0.270 χ^2/NDF: 56704318.1/9



Right In: -1047.336+/-569.720 χ^2/NDF: 14.1/20

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -73.398+/-536.988 χ^2/NDF: 26.6/26

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

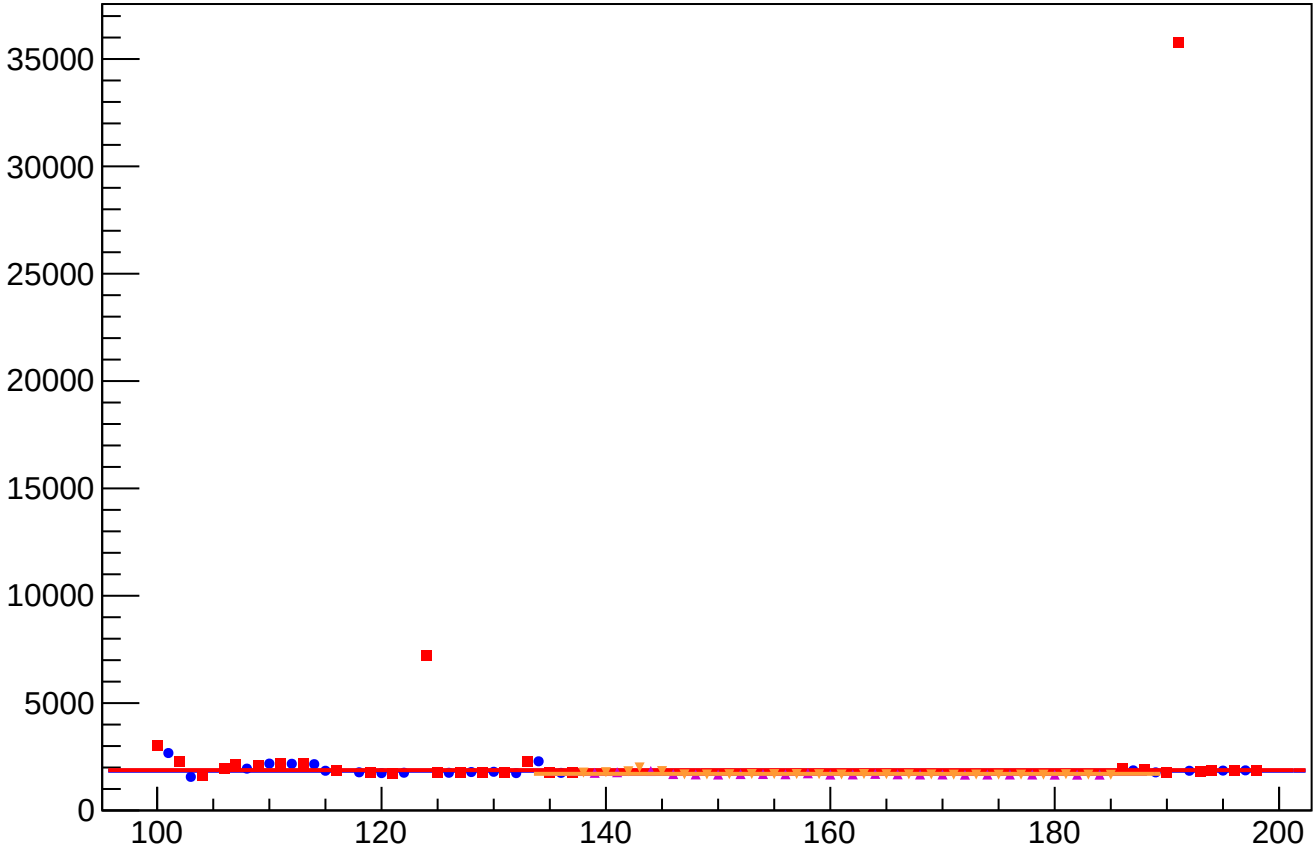
Right: -531.587+/-390.767 χ^2/NDF: 42.2/47

In: -826.376+/-325.414 χ^2/NDF:33.4/43

Out: -9.912+/-314.352 χ^2/NDF:56.1/51

All: -404.031+/-226.090 χ^2/NDF: 92.7/95

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1848.702+/-0.403 χ^2/NDF: 262135.4/20

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1878.864+/-0.379 χ^2/NDF: 511271.9/26

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

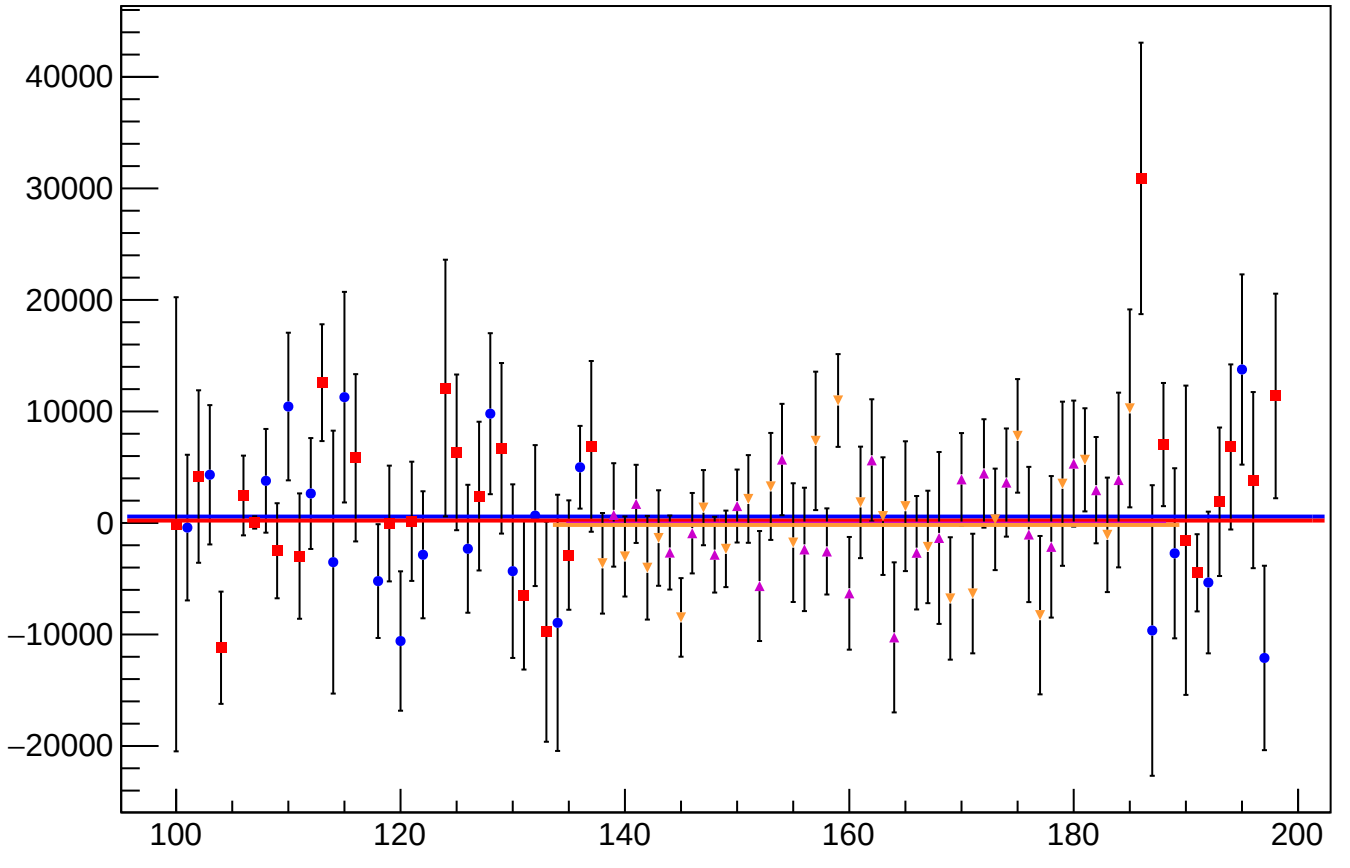
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1864.693+/-0.276 χ^2/NDF: 776379.1/47

In: 1746.839+/-0.230 χ^2/NDF:378176.7/43

Out: 1765.093+/-0.222 χ^2/NDF:708227.0/51

All: 1756.286+/-0.160 χ^2/NDF: 1089660.4/95



Right In: 572.119+/-1387.546 χ^2/NDF: 20.3/20

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 215.584+/-499.544 χ^2/NDF: 30.9/26

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

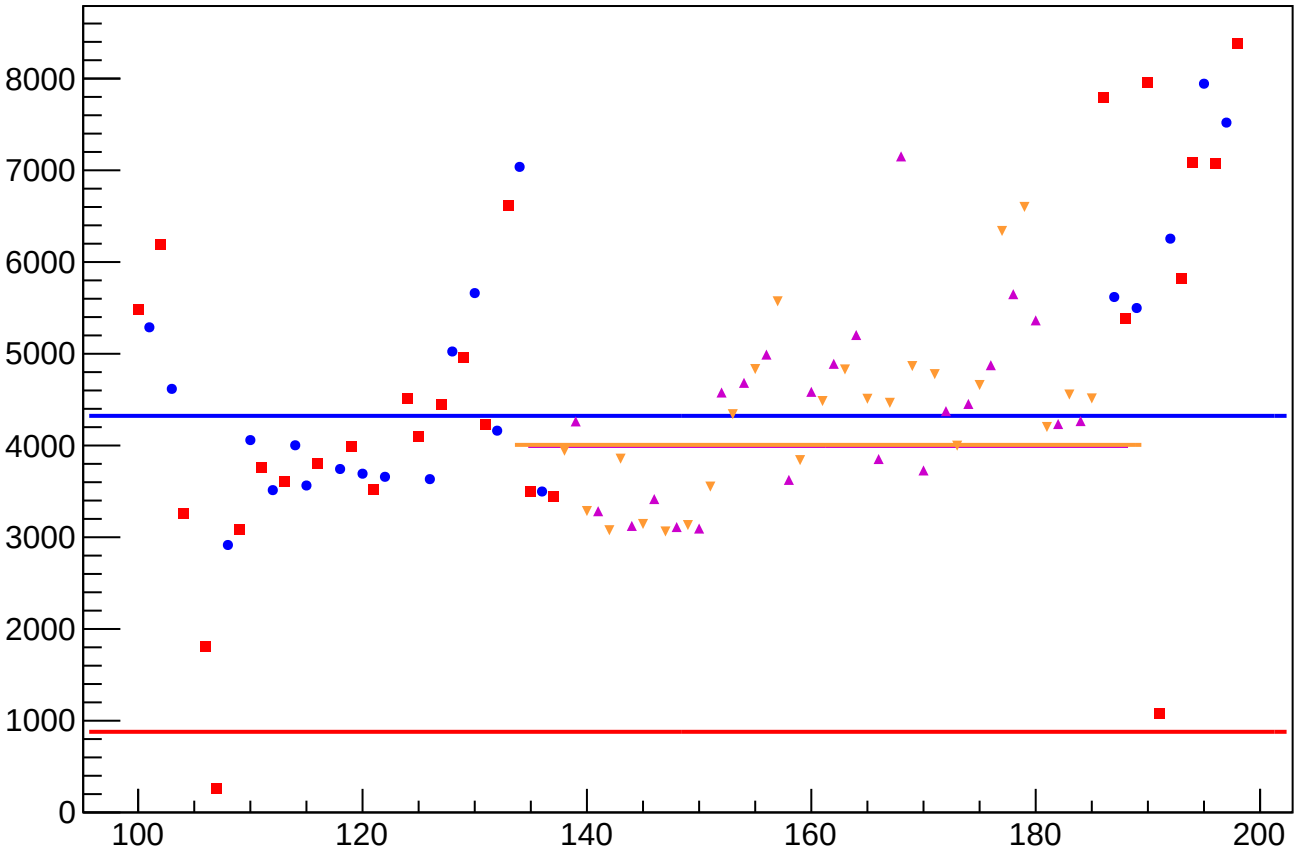
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 256.493+/-470.012 χ^2/NDF: 51.2/47

In: 146.045+/-787.454 χ^2/NDF:34.7/43

Out: 128.703+/-440.617 χ^2/NDF:59.0/51

All: 132.838+/-384.515 χ^2/NDF: 93.7/95



Right In: 4323.276+/-0.981 χ^2/NDF: 1605314.9/20

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 879.133+/-0.353 χ^2/NDF: 18557434.2/26

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

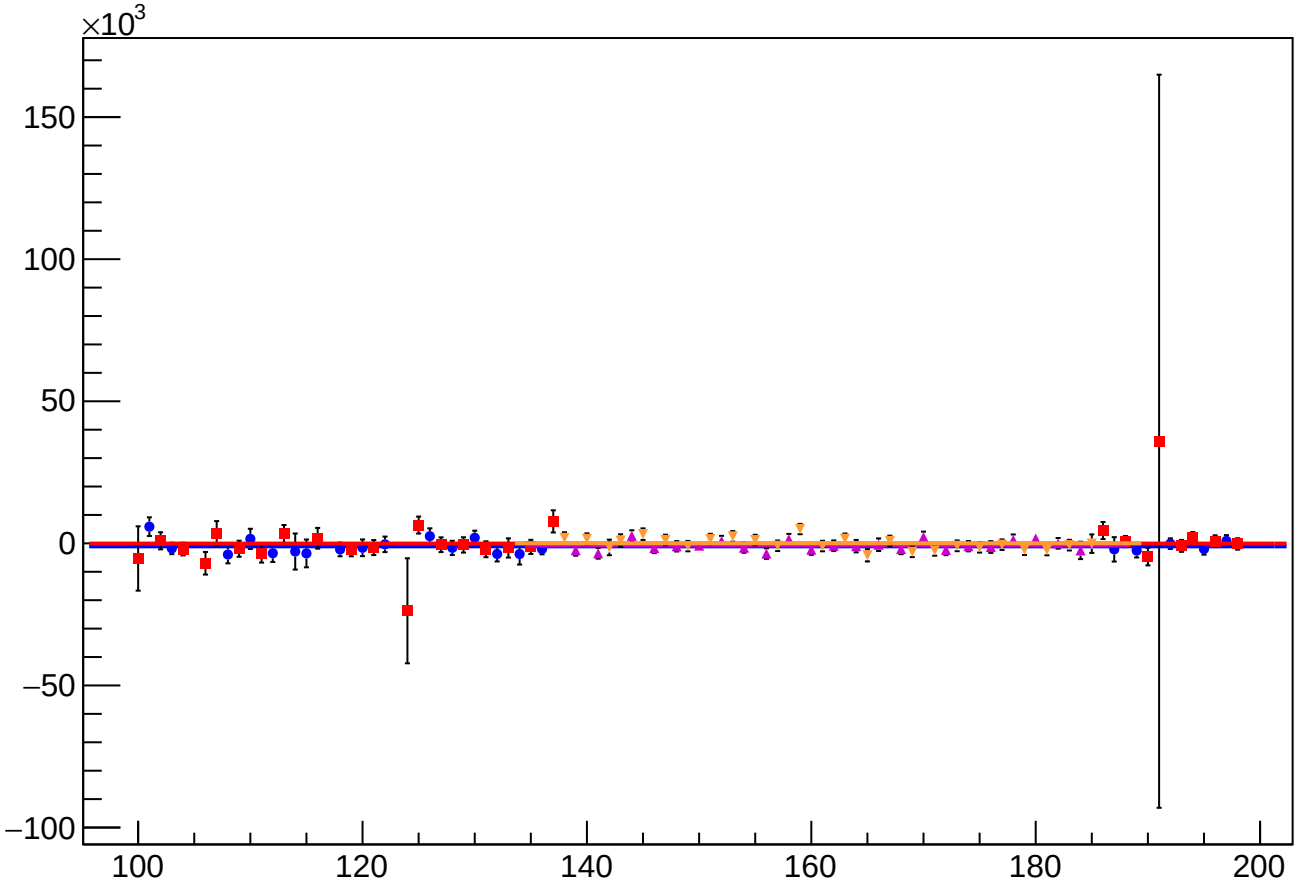
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1274.321+/-0.332 χ^2/NDF: 31071316.9/47

In: 4100.711+/-0.557 χ^2/NDF:3219318.2/43

Out: 1573.544+/-0.312 χ^2/NDF:37469002.2/51

All: 2176.119+/-0.272 χ^2/NDF: 56375760.3/9



Right In: -1047.336+/-569.720 χ^2/NDF: 14.1/20

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -73.398+/-536.988 χ^2/NDF: 26.6/26

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

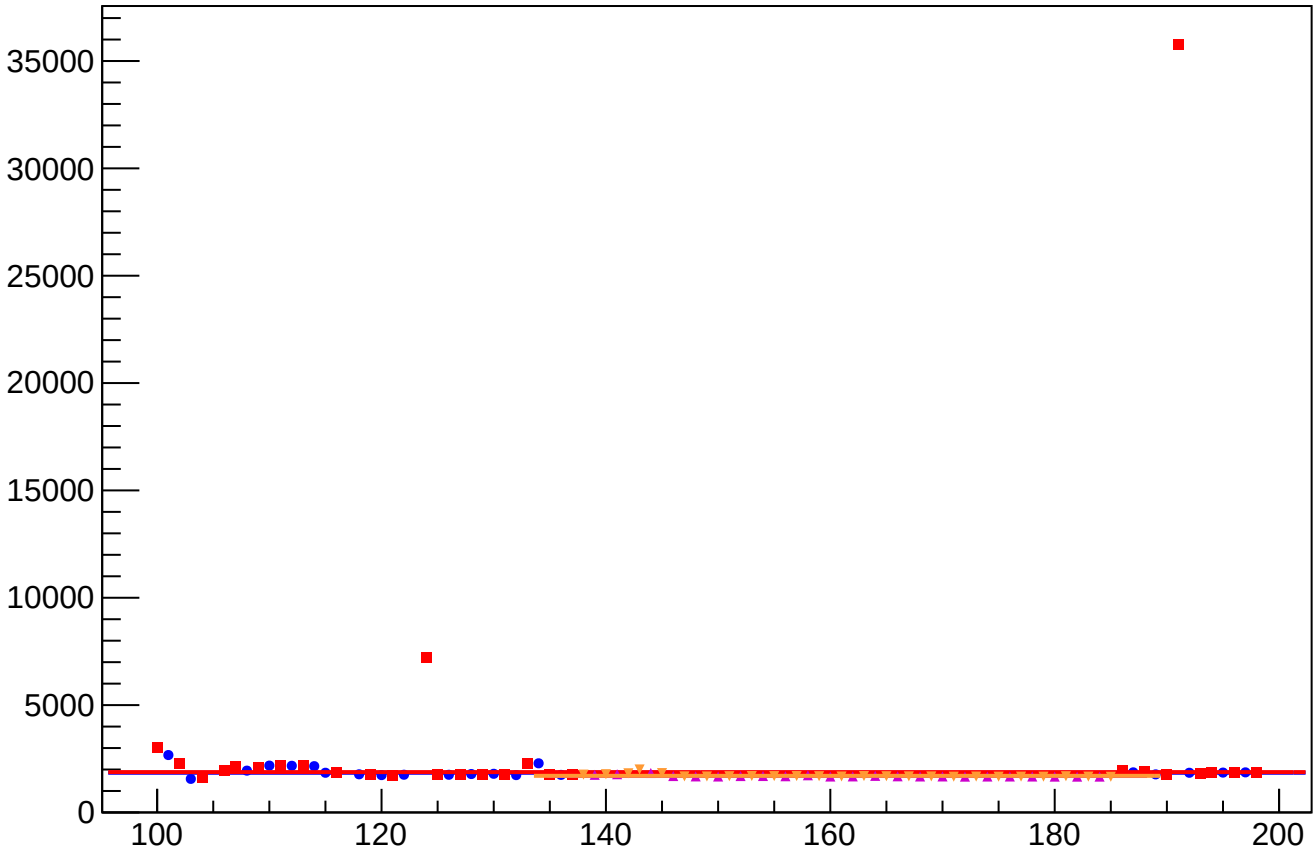
Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

Right: -531.587+/-390.767 χ^2/NDF: 42.2/47

In: -826.376+/-325.414 χ^2/NDF:33.4/43

Out: -9.912+/-314.352 χ^2/NDF:56.1/51

All: -404.031+/-226.090 χ^2/NDF: 92.7/95



Right In: 1848.702+/-0.403 χ^2/NDF: 262135.4/20

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1878.864+/-0.379 χ^2/NDF: 511271.9/26

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

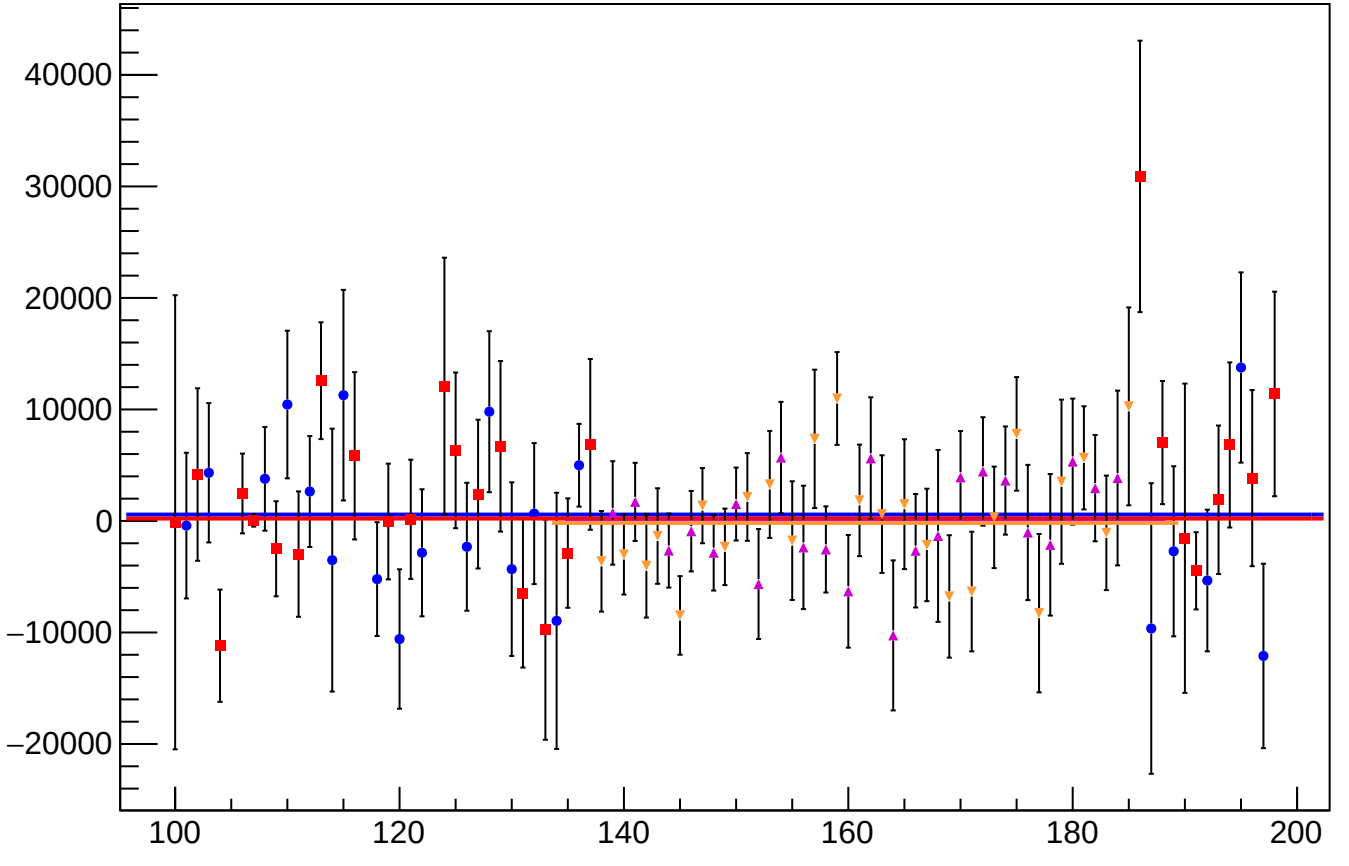
Right: 1864.693+/-0.276 χ^2/NDF: 776379.1/47

In: 1746.839+/-0.230 χ^2/NDF:378176.7/43

Out: 1765.093+/-0.222 χ^2/NDF:708227.0/51

All: 1756.286+/-0.160 χ^2/NDF: 1089660.4/95

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 572.119+/-1387.546 χ^2/NDF: 20.3/20

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 215.584+/-499.544 χ^2/NDF: 30.9/26

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

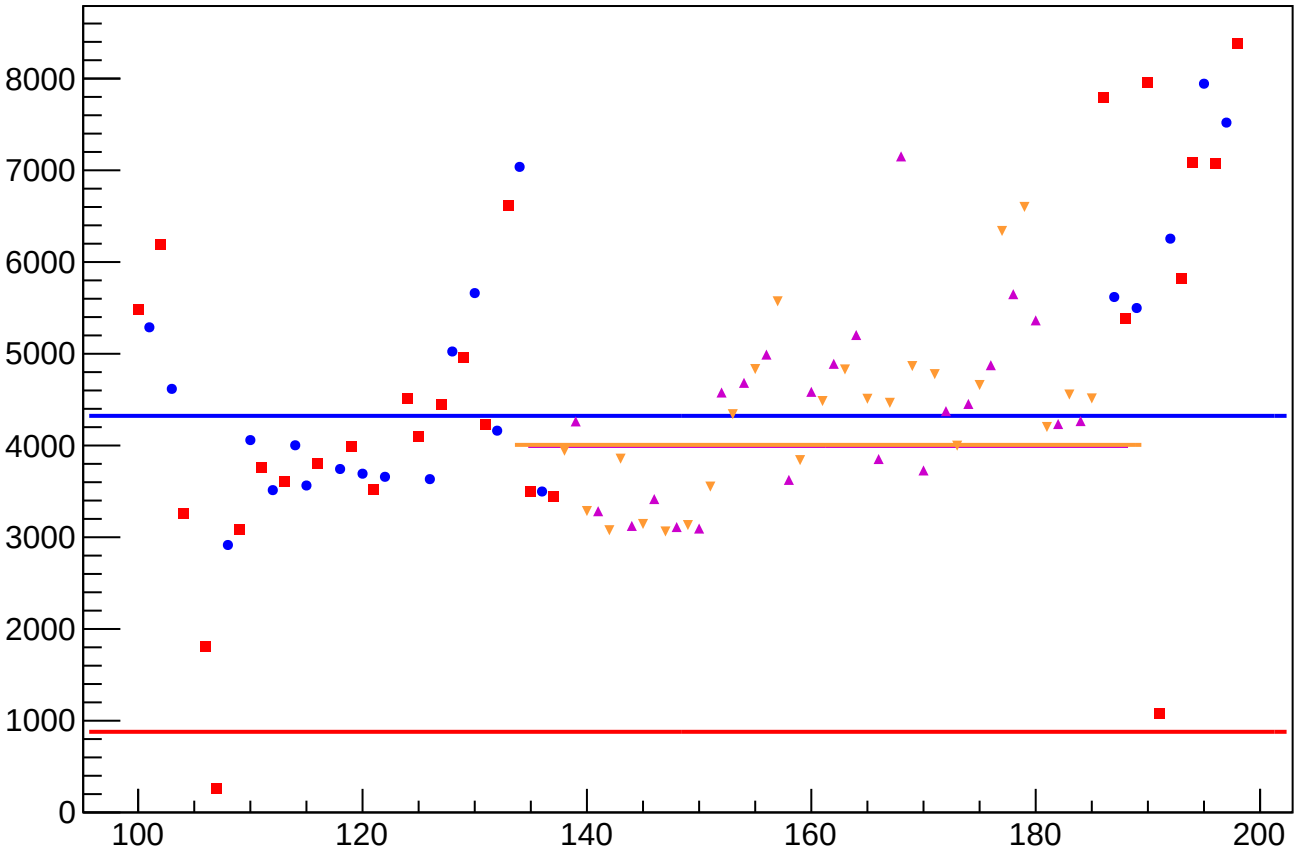
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 256.493+/-470.012 χ^2/NDF: 51.2/47

In: 146.045+/-787.454 χ^2/NDF:34.7/43

Out: 128.703+/-440.617 χ^2/NDF:59.0/51

All: 132.838+/-384.515 χ^2/NDF: 93.7/95



Right In: 4323.276+/-0.981 χ^2/NDF: 1605314.9/20

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 879.133+/-0.353 χ^2/NDF: 18557434.2/26

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

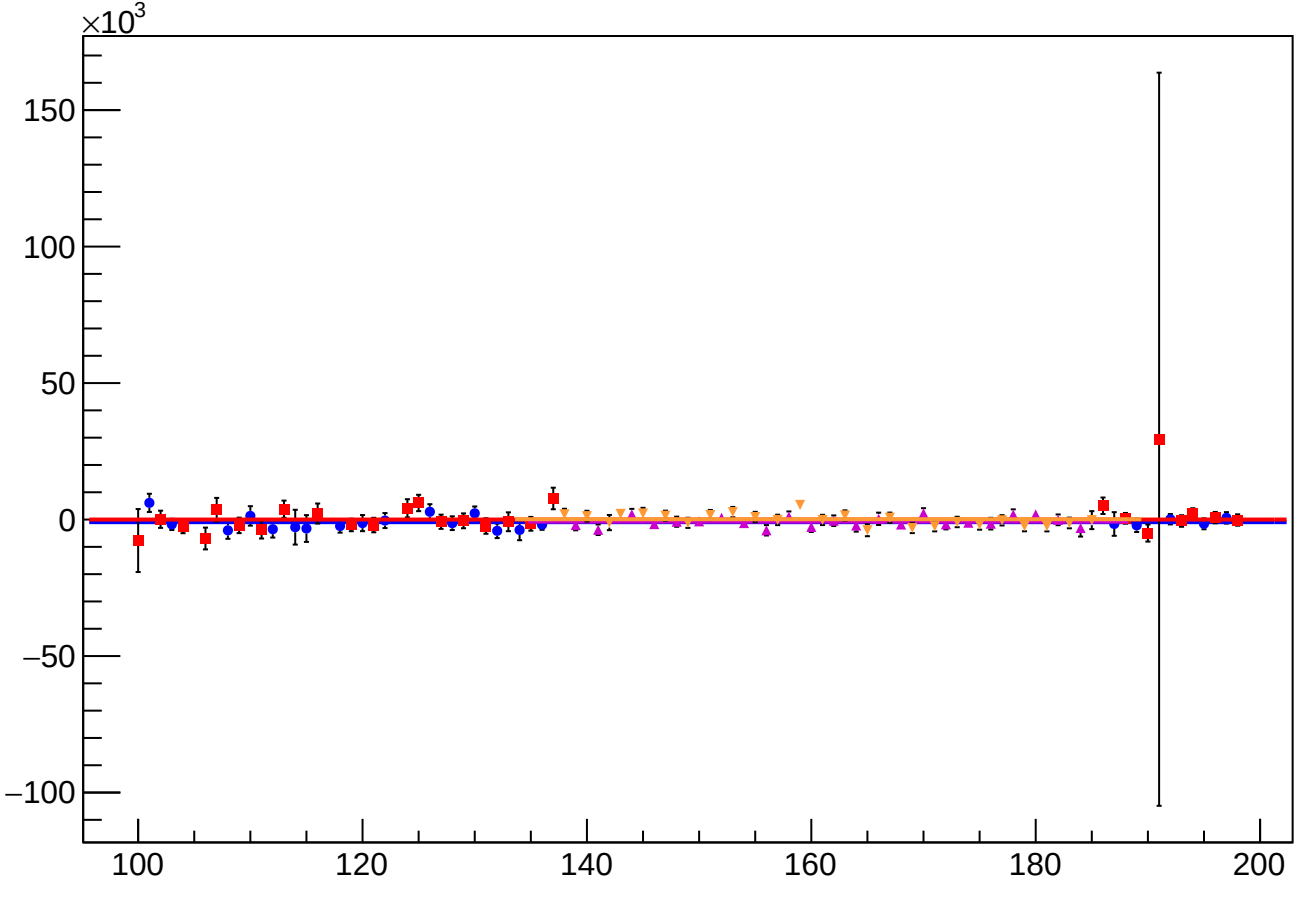
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1274.321+/-0.332 χ^2/NDF: 31071316.9/47

In: 4100.711+/-0.557 χ^2/NDF:3219318.2/43

Out: 1573.544+/-0.312 χ^2/NDF:37469002.2/51

All: 2176.119+/-0.272 χ^2/NDF: 56375760.3/9



Right In: -952.742+/-576.020 χ^2/NDF: 14.4/20

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: 7.450+/-537.501 χ^2/NDF: 28.0/26

Left In: -741.191+/-404.161 χ^2/NDF:19.0/22

Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

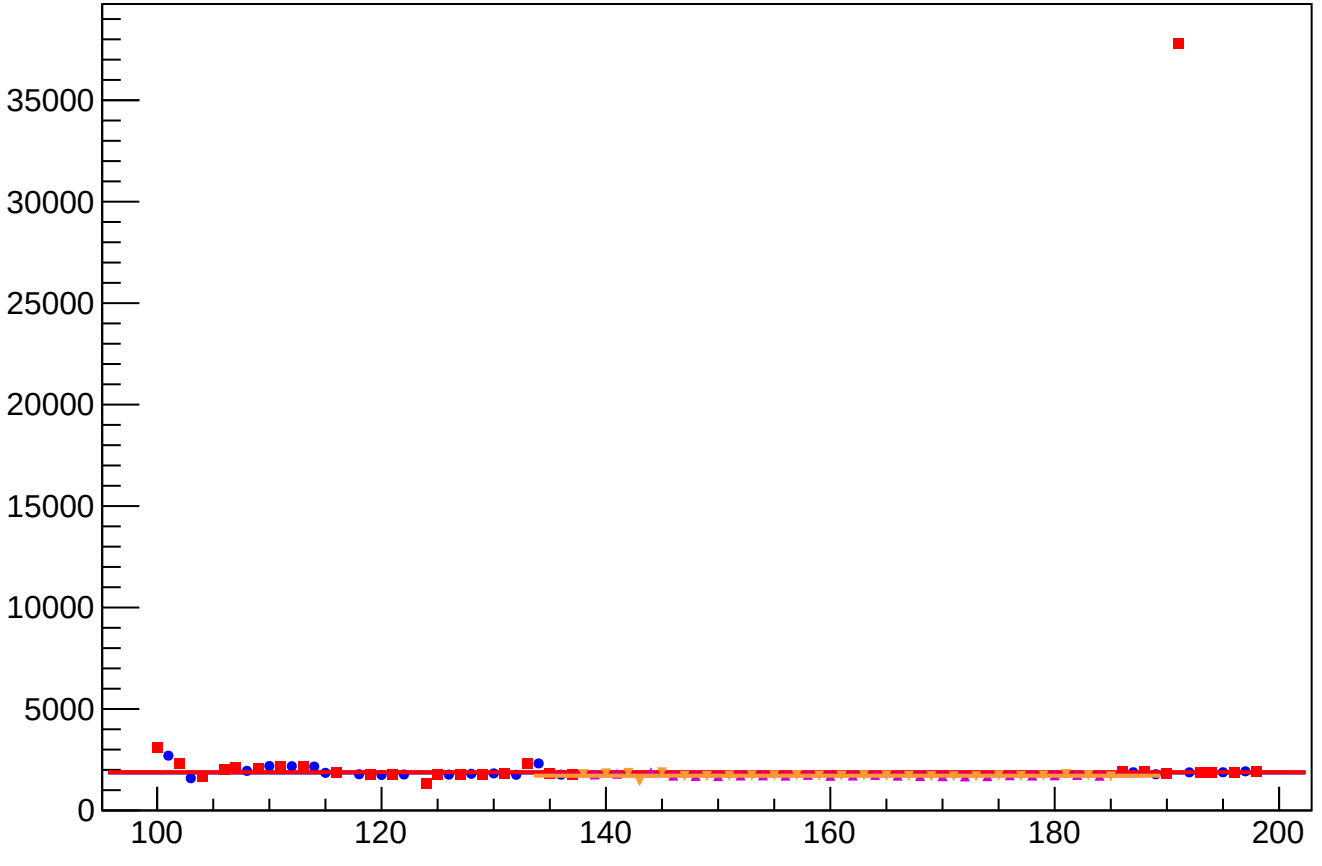
Right: -439.471+/-392.983 χ^2/NDF: 43.9/47

In: -810.980+/-330.846 χ^2/NDF:33.5/43

Out: 81.226+/-315.374 χ^2/NDF:57.7/51

All: -343.528+/-228.277 χ^2/NDF: 95.0/95

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1868.920+/-0.407 χ^2/NDF: 260442.1/20

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1883.248+/-0.380 χ^2/NDF: 409076.4/26

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

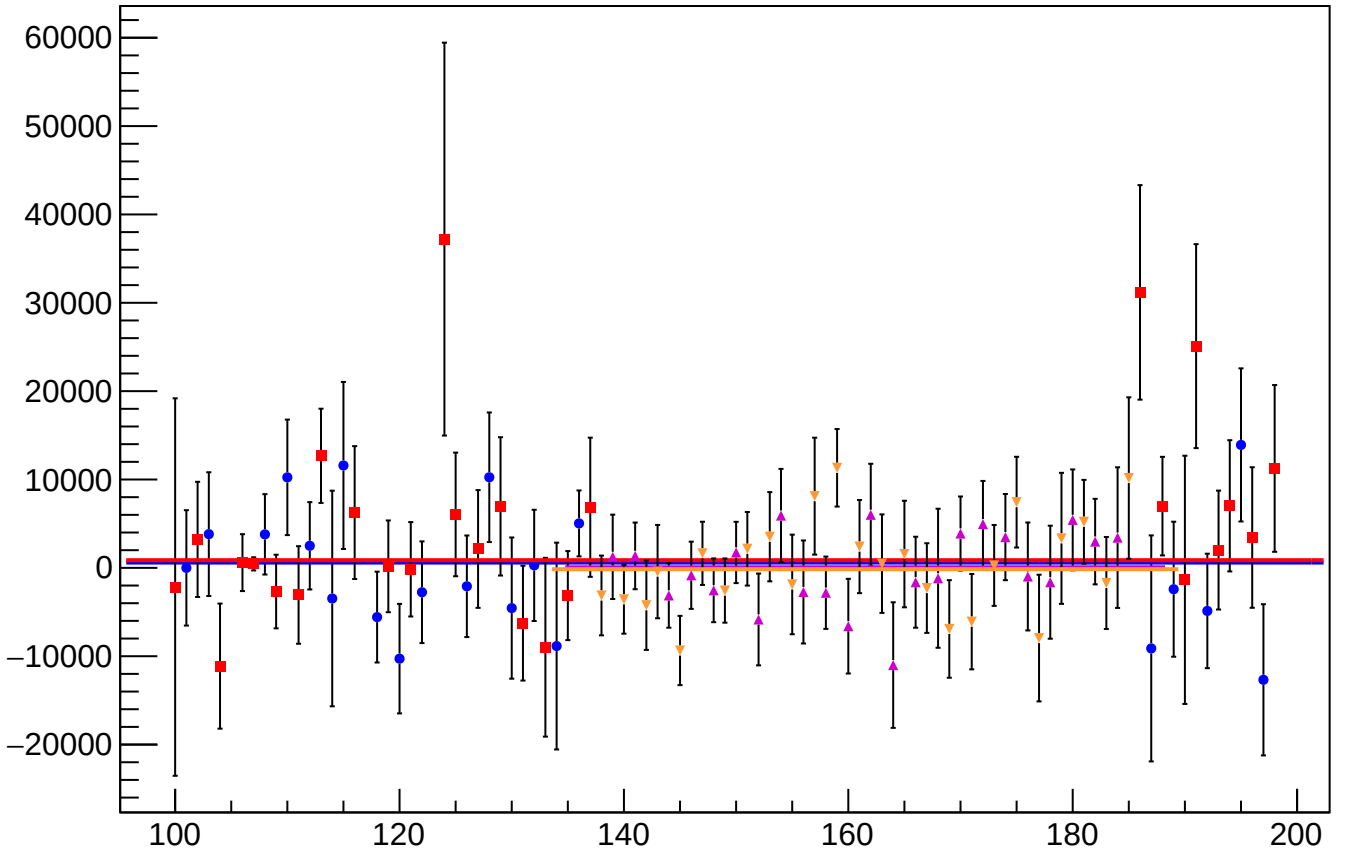
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1876.582+/-0.278 χ^2/NDF: 670180.3/47

In: 1776.058+/-0.234 χ^2/NDF:361086.3/43

Out: 1771.195+/-0.223 χ^2/NDF:636201.7/51

All: 1773.510+/-0.161 χ^2/NDF: 997514.3/95



Right In: 599.978+/-1398.456 χ^2/NDF: 20.0/20

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: 868.836+/-642.184 χ^2/NDF: 31.2/26

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

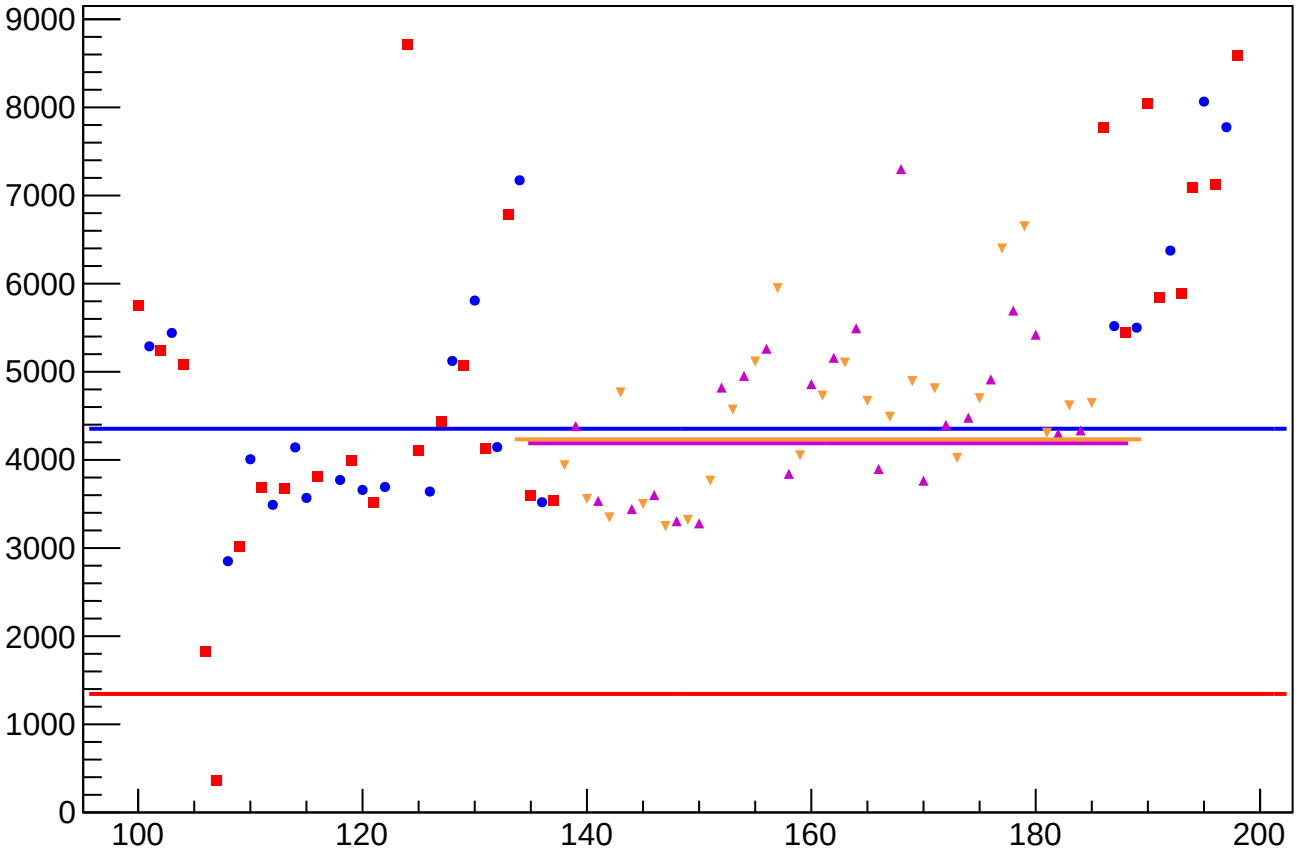
Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

Right: 822.015+/-583.593 χ^2/NDF: 51.2/47

In: 246.137+/-813.487 χ^2/NDF:34.1/43

Out: 564.887+/-537.949 χ^2/NDF:58.8/51

All: 467.907+/-448.712 χ^2/NDF: 93.0/95



Right In: 4353.626+/-0.989 χ^2/NDF: 1745390.1/20

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1344.929+/-0.454 χ^2/NDF: 16635012.0/26

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

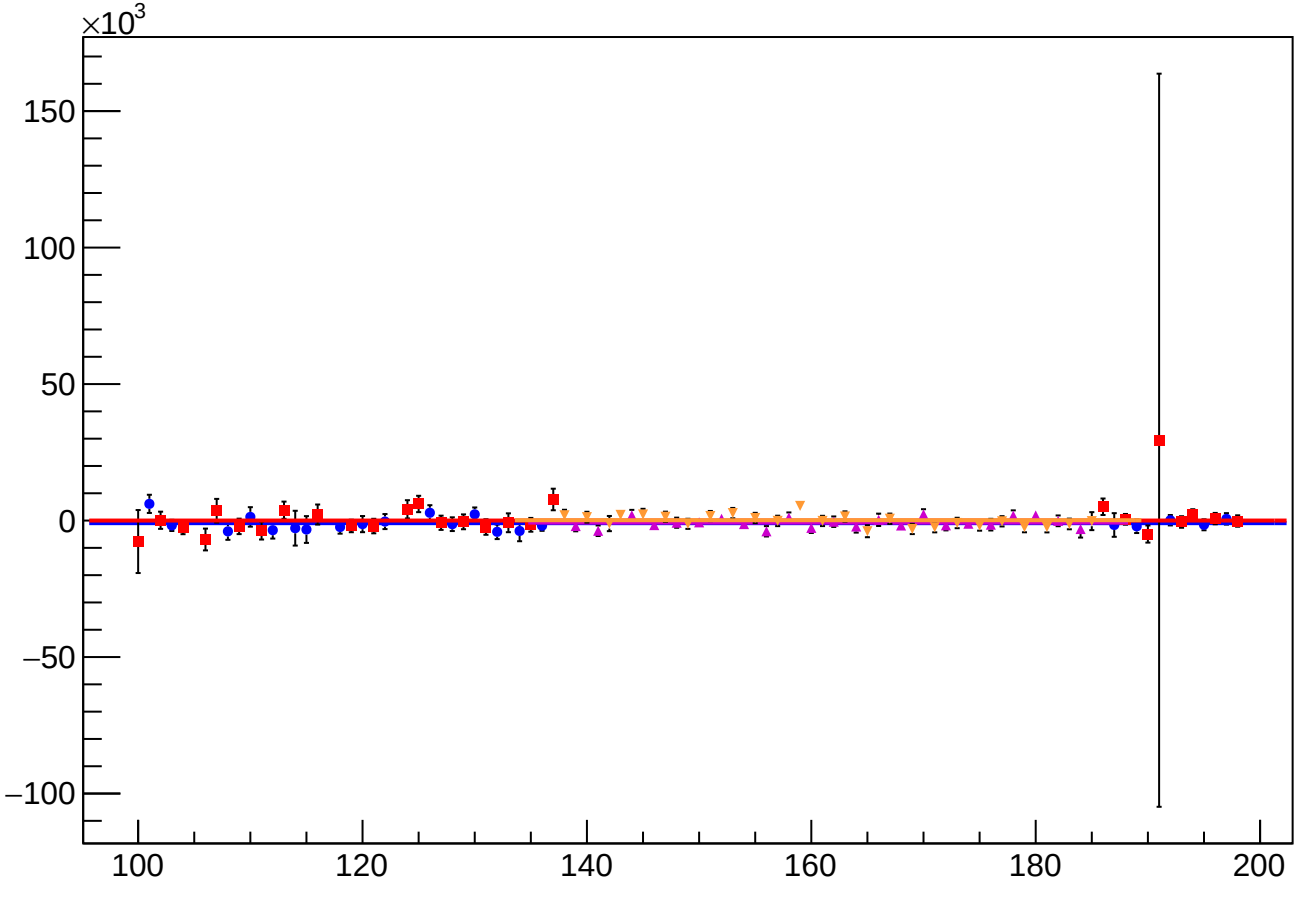
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 1868.892+/-0.413 χ^2/NDF: 26025635.8/47

In: 4244.623+/-0.575 χ^2/NDF:3108357.6/43

Out: 2206.653+/-0.380 χ^2/NDF:29993021.2/51

All: 2826.709+/-0.317 χ^2/NDF: 41834630.5/9



Right In: -952.743+/-576.019 χ^2/NDF: 14.4/20

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: 7.448+/-537.501 χ^2/NDF: 28.0/26

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

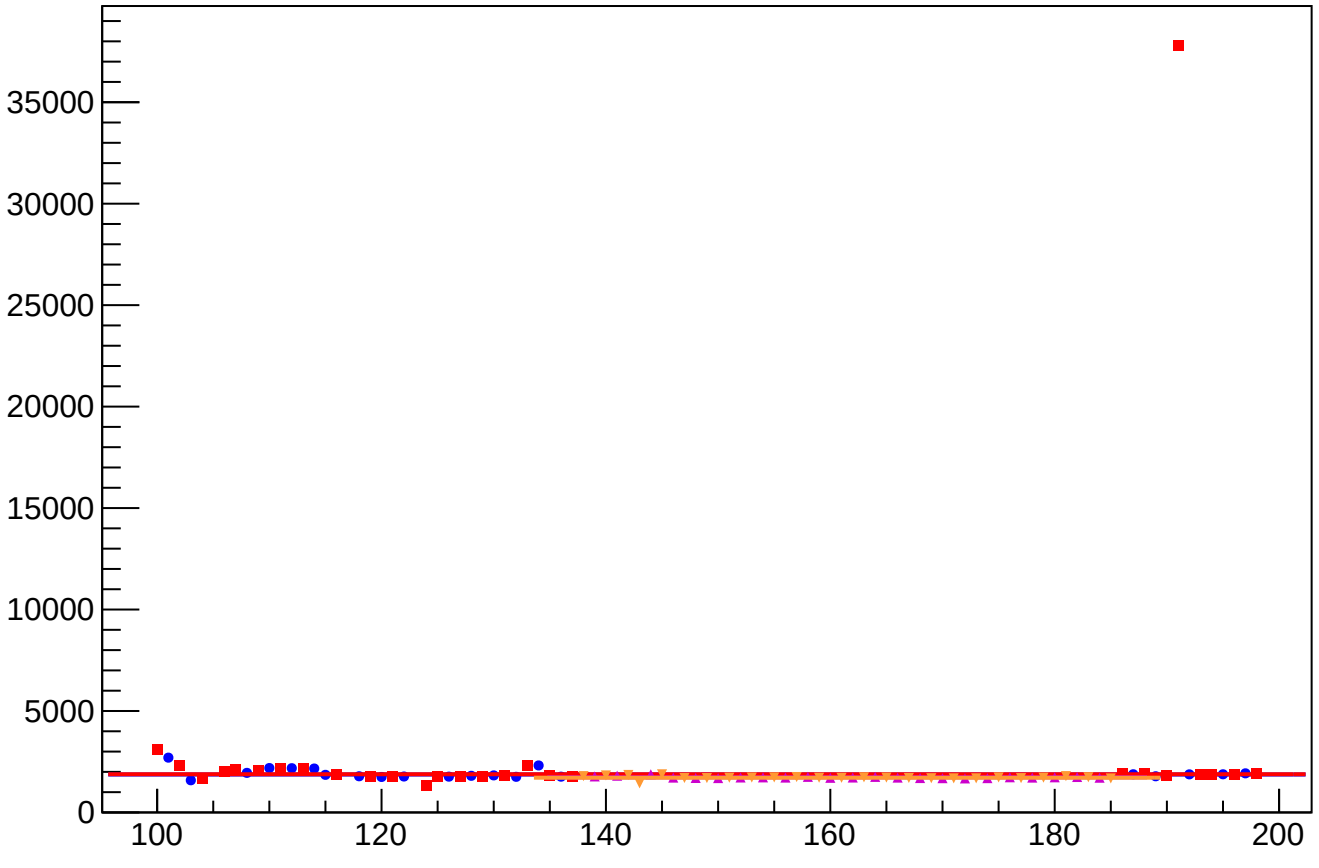
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -439.473+/-392.983 χ^2/NDF: 43.9/47

In: -810.980+/-330.846 χ^2/NDF:33.5/43

Out: 81.227+/-315.374 χ^2/NDF:57.7/51

All: -343.527+/-228.277 χ^2/NDF: 95.0/95



Right In: 1868.919+/-0.407 χ^2/NDF: 260442.0/20

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

Right Out: 1883.248+/-0.380 χ^2/NDF: 409076.8/26

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

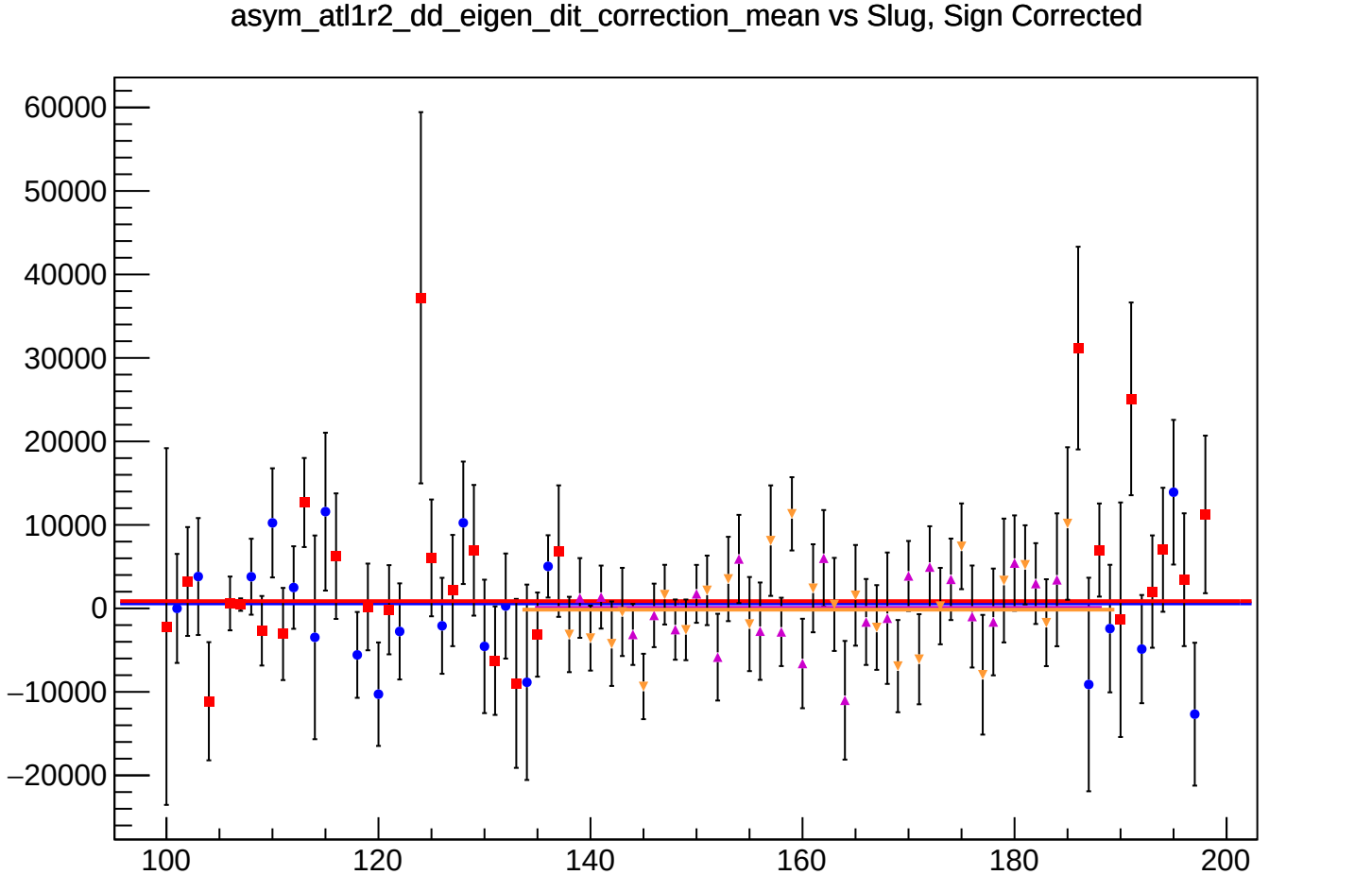
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

Right: 1876.582+/-0.278 χ^2/NDF: 670180.6/47

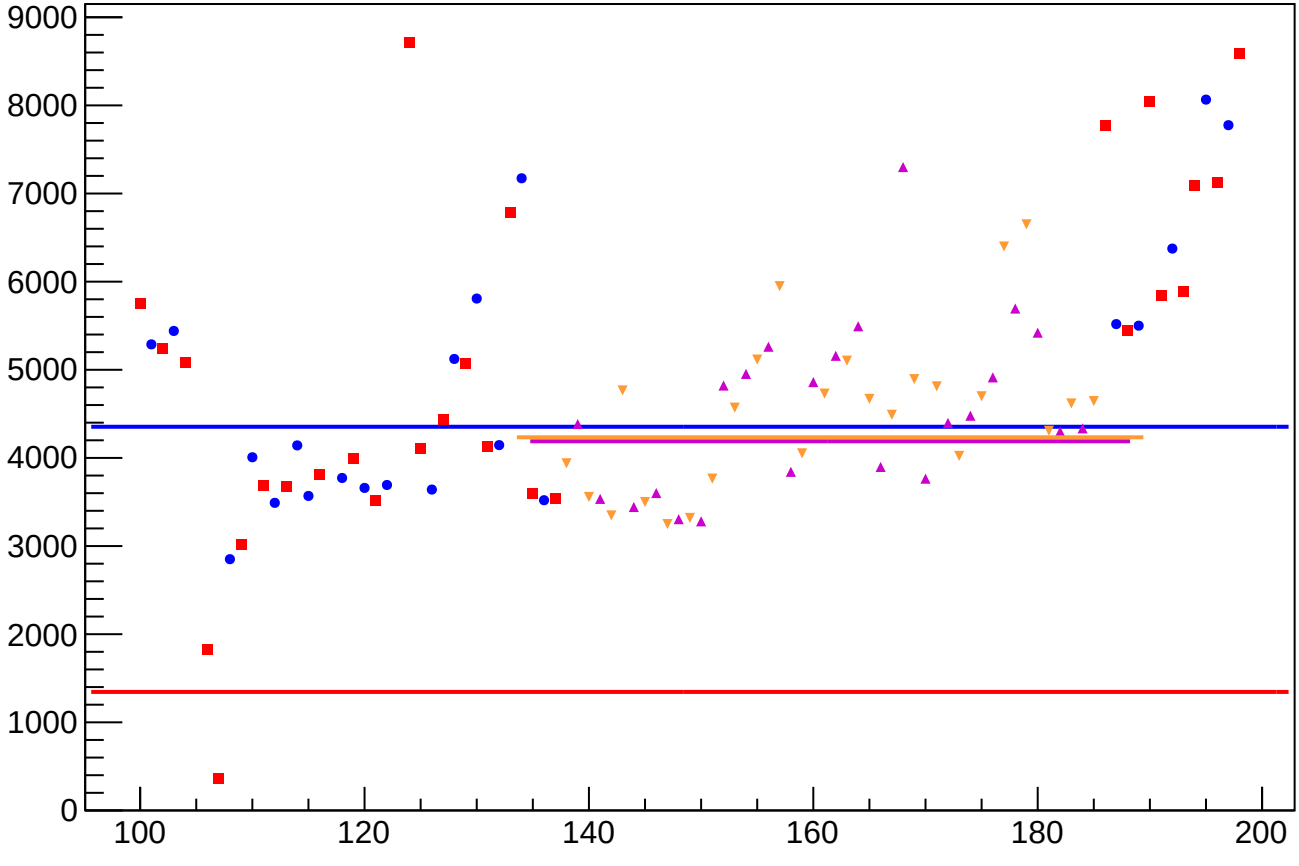
In: 1776.058+/-0.234 χ^2/NDF:361085.3/43

Out: 1771.196+/-0.223 χ^2/NDF:636200.2/51

All: 1773.510+/-0.161 χ^2/NDF: 997512.0/95


asym_atl1r2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 599.962+/-1398.454 χ²/NDF: 20.0/20
Left Out: -150.169+/-984.986 χ²/NDF:26.9/24
Right Out: 868.855+/-642.194 χ²/NDF: 31.2/26
Left In: 65.171+/-1000.108 χ²/NDF:14.0/22
Left: -44.139+/-701.775 χ²/NDF: 40.9/47
Right: 822.026+/-583.601 χ²/NDF: 51.2/47
In: 246.134+/-813.488 χ²/NDF:34.1/43
Out: 564.894+/-537.956 χ²/NDF:58.8/51
All: 467.909+/-448.715 χ²/NDF: 93.0/95

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4353.620+/-0.989 χ^2/NDF: 1745395.2/20

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1344.966+/-0.454 χ^2/NDF: 16634796.9/26

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

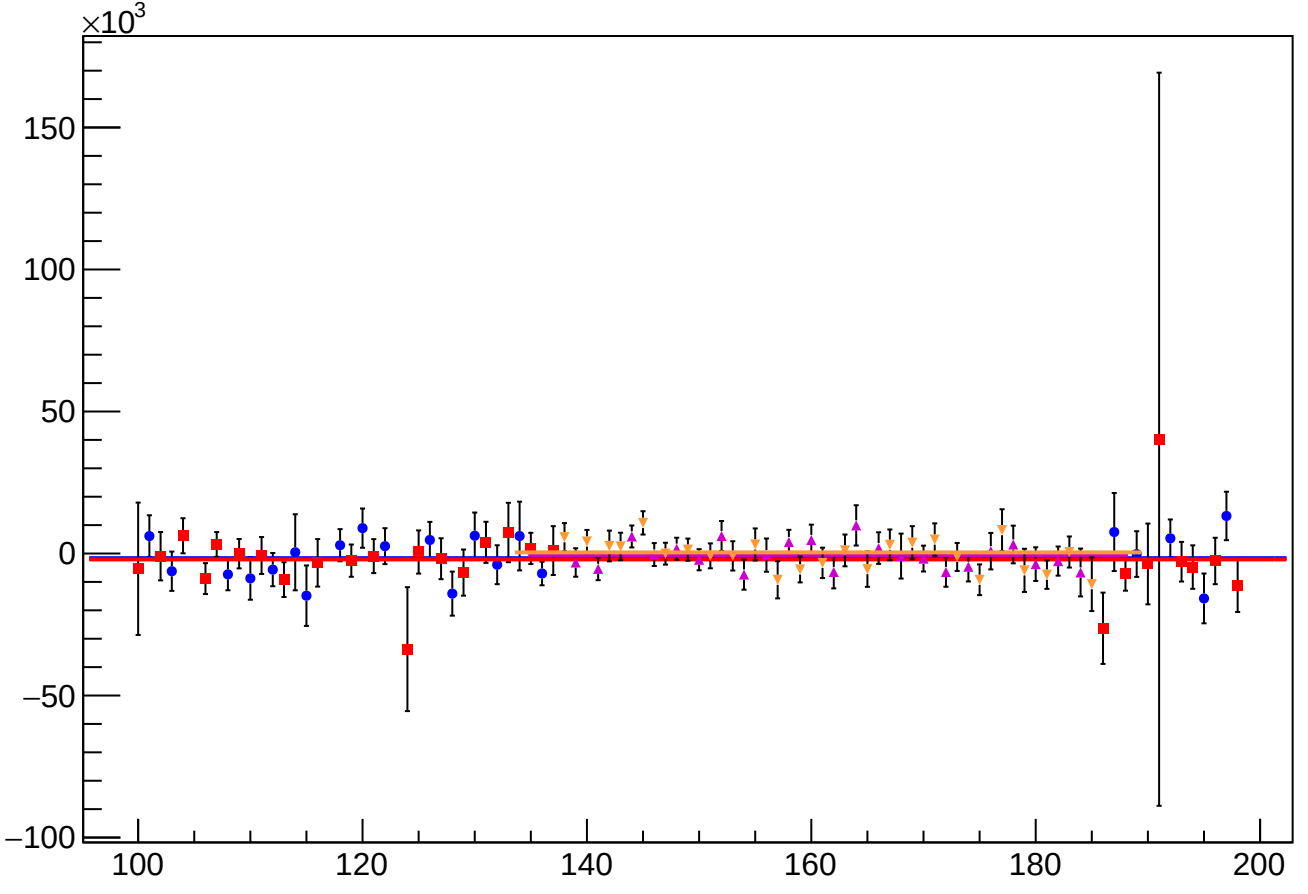
Right: 1868.937+/-0.413 χ^2/NDF: 26025178.4/47

In: 4244.625+/-0.575 χ^2/NDF:3108364.9/43

Out: 2206.698+/-0.380 χ^2/NDF:29992406.7/51

All: 2826.751+/-0.317 χ^2/NDF: 41833585.9/9

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1643.695+/-1538.297 χ^2/NDF: 23.0/20

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: -2075.790+/-1384.090 χ^2/NDF: 16.8/26

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

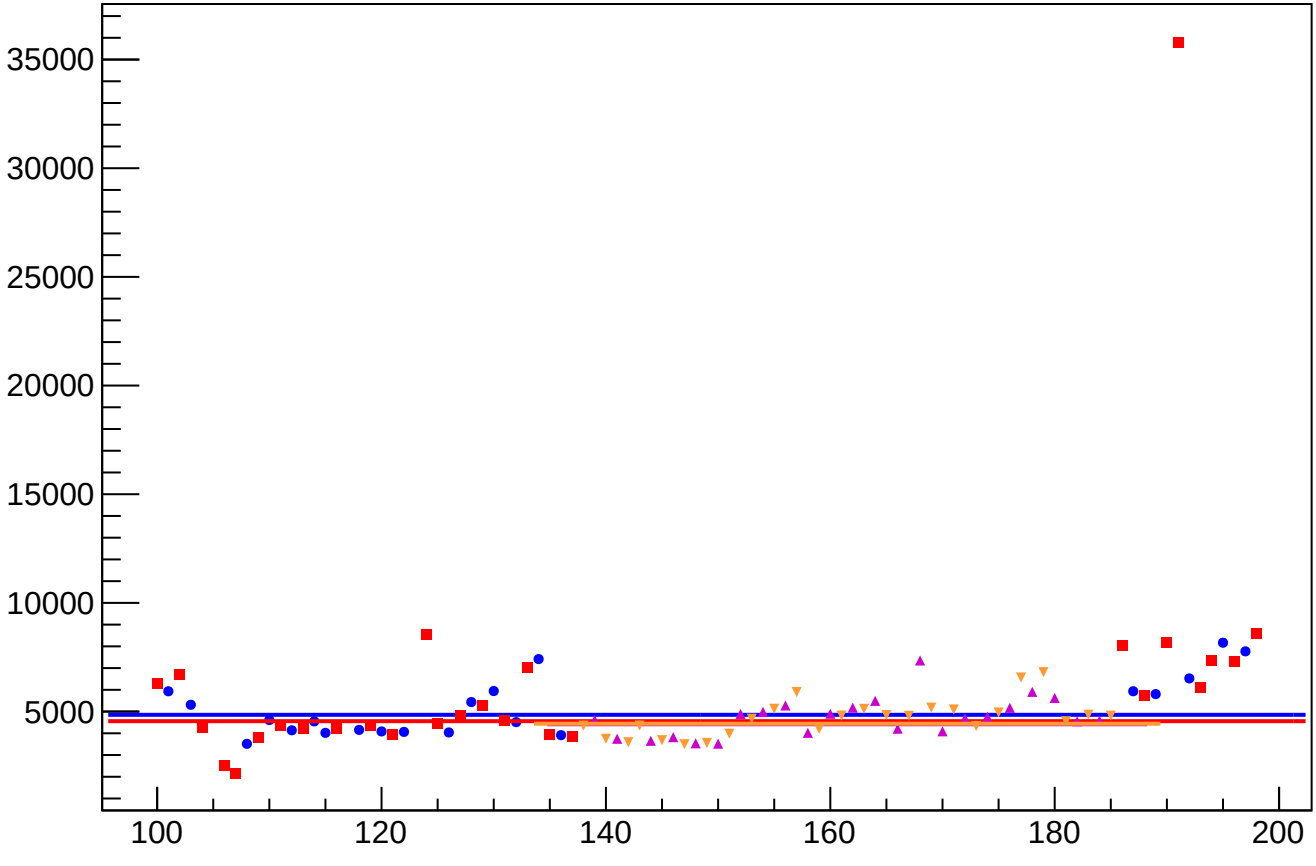
Right: -1882.479+/-1028.912 χ^2/NDF: 39.9/47

In: -865.394+/-867.055 χ^2/NDF:40.7/43

Out: -481.744+/-825.495 χ^2/NDF:43.6/51

All: -664.155+/-597.866 χ^2/NDF: 84.4/95

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4850.175+/-1.088 χ^2/NDF: 1261343.5/20

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4557.250+/-0.971 χ^2/NDF: 2869337.0/26

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

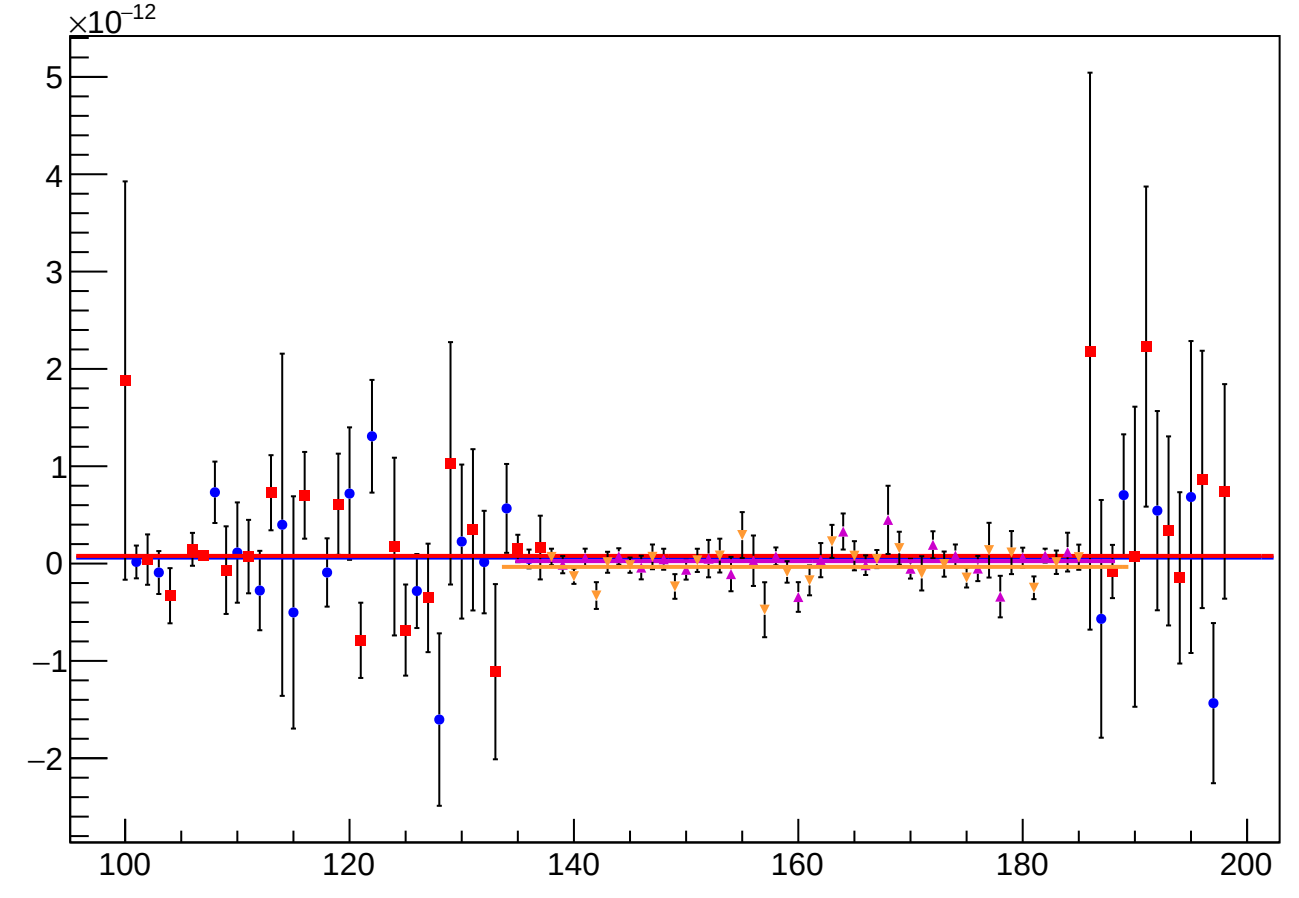
Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

Right: 4687.142+/-0.724 χ^2/NDF: 4171043.7/47

In: 4553.504+/-0.613 χ^2/NDF:2481779.4/43

Out: 4482.657+/-0.582 χ^2/NDF:3951670.1/51

All: 4516.241+/-0.422 χ^2/NDF: 6440472.7/95



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/26

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

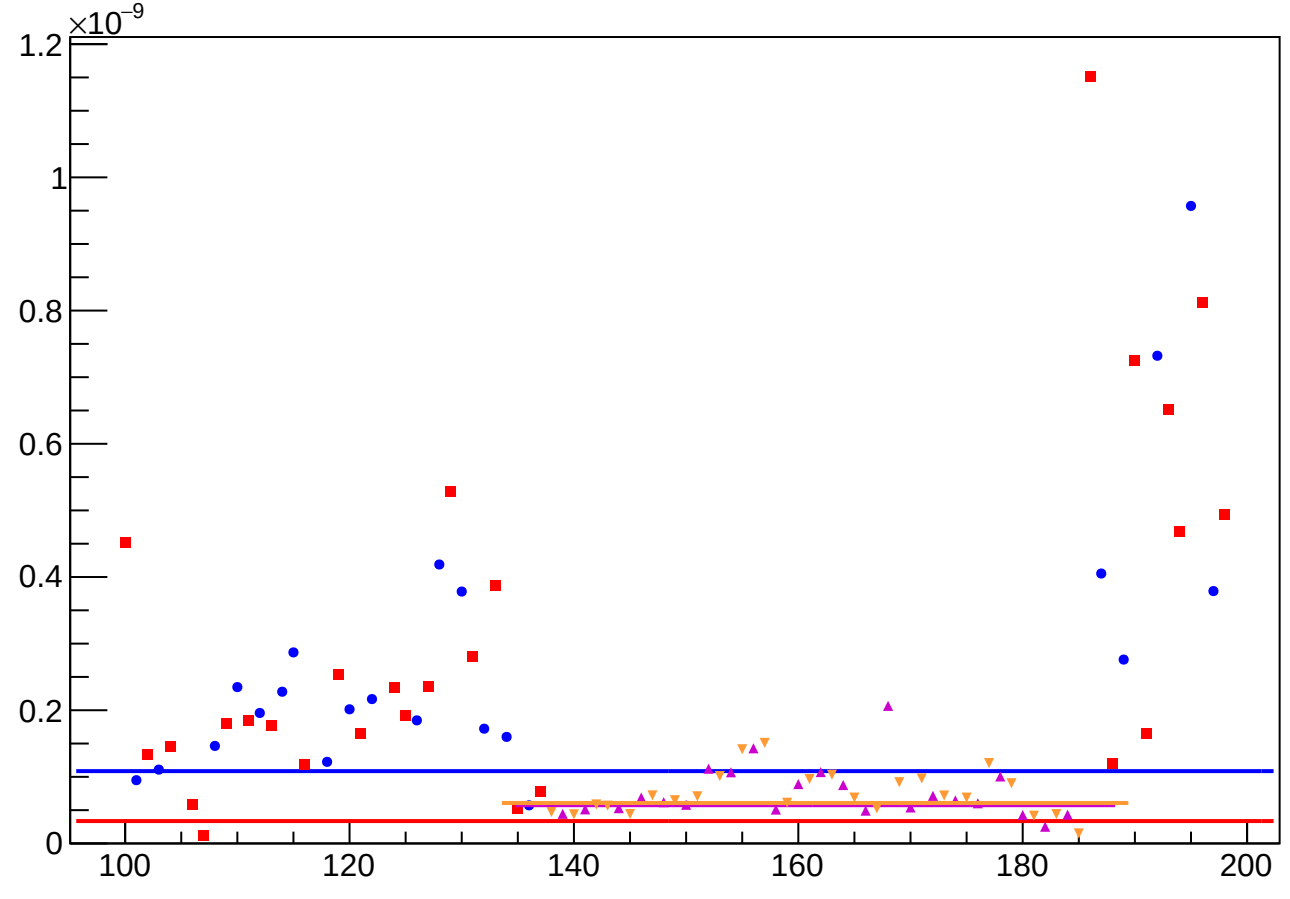
Left: -0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 46.0/47

In: 0.000+/-0.000 χ^2/NDF:42.0/43

Out: 0.000+/-0.000 χ^2/NDF:59.5/51

All: 0.000+/-0.000 χ^2/NDF: 102.0/95



Right In: 0.000+/-0.000 χ^2/NDF: 3379018.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7652431.6/26

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

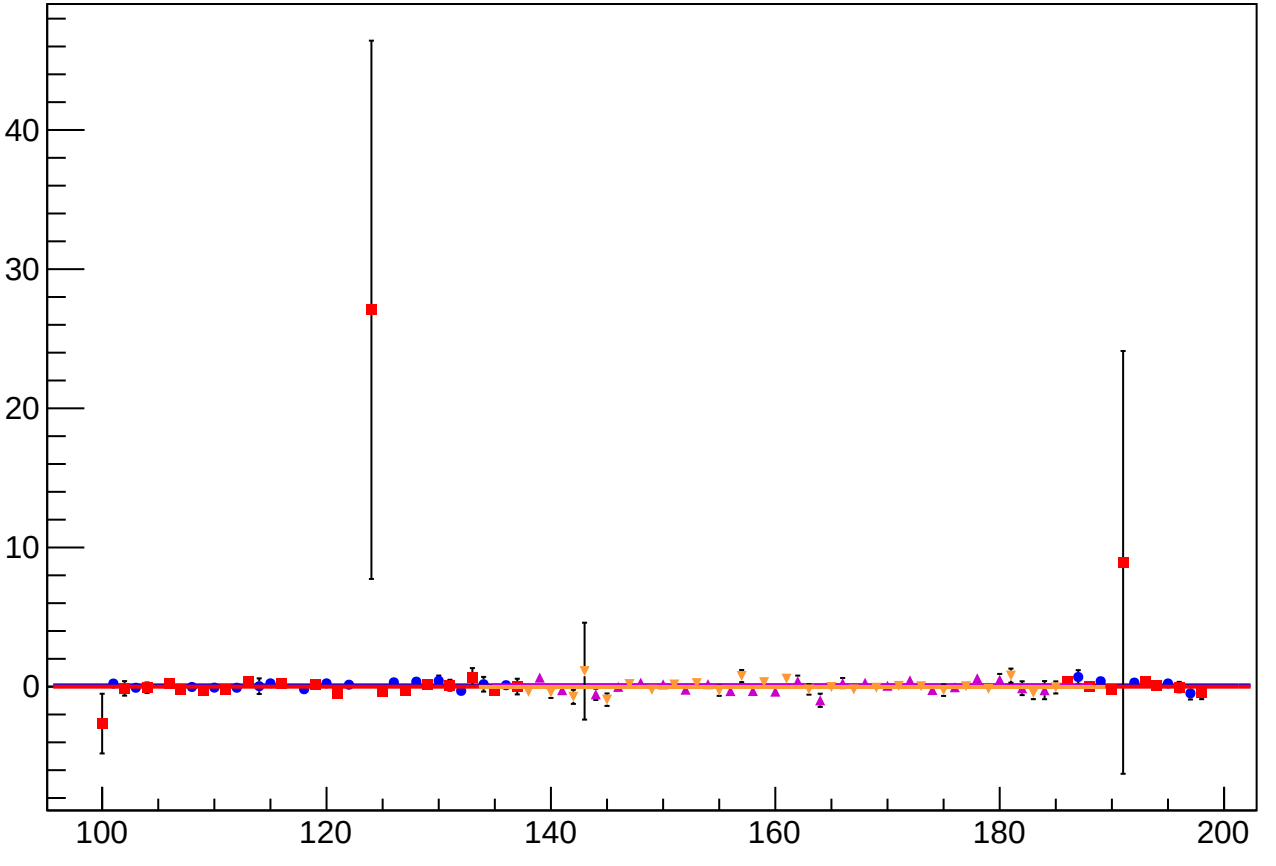
Right: 0.000+/-0.000 χ^2/NDF: 13040493.0/47

In: 0.000+/-0.000 χ^2/NDF:6281203.4/43

Out: 0.000+/-0.000 χ^2/NDF:10246272.6/51

All: 0.000+/-0.000 χ^2/NDF: 16863926.1/95

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.093+/-0.060 χ^2/NDF: 13.8/20

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.001+/-0.051 χ^2/NDF: 27.3/26

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

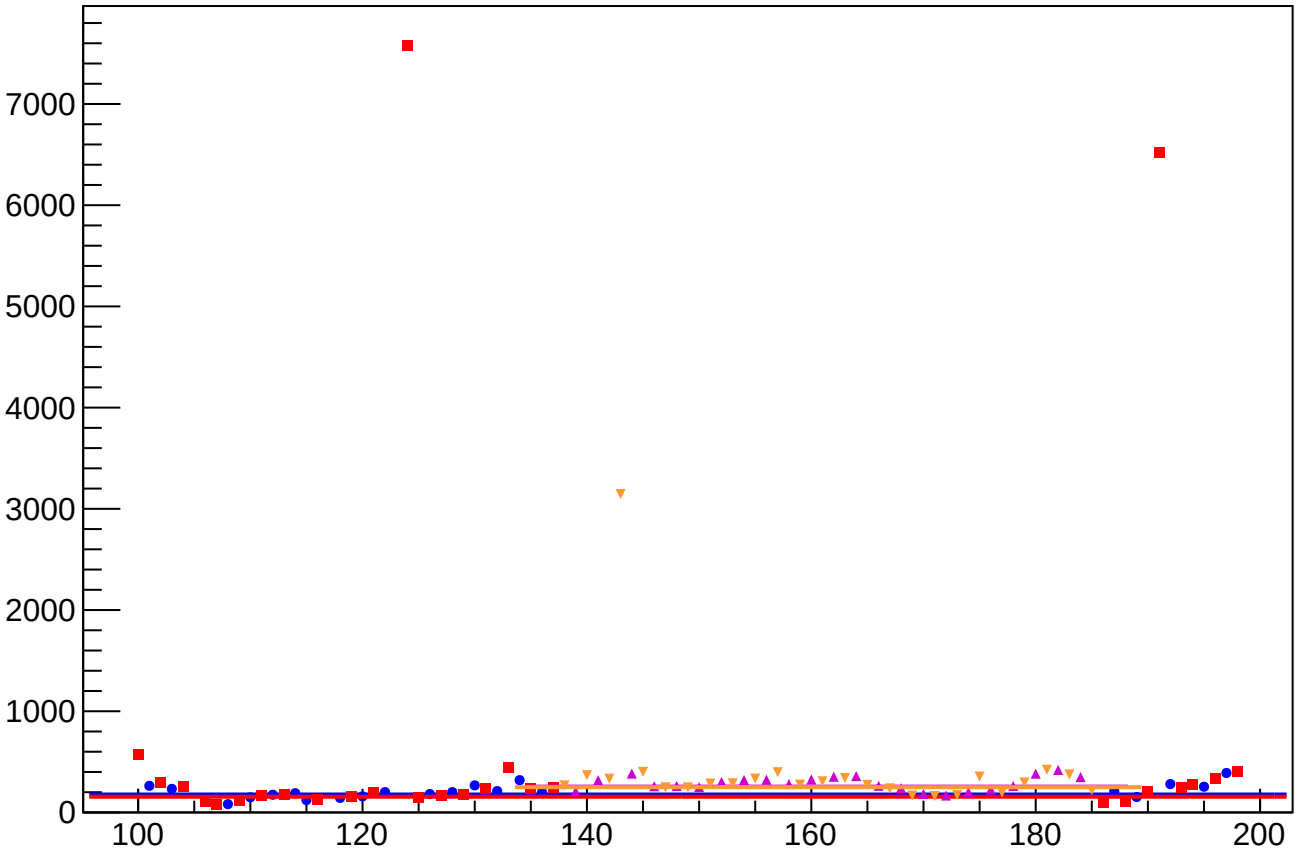
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.038+/-0.039 χ^2/NDF: 42.5/47

In: 0.094+/-0.043 χ^2/NDF:45.3/43

Out: -0.010+/-0.039 χ^2/NDF:50.9/51

All: 0.037+/-0.029 χ^2/NDF: 99.4/95



Right In: 177.342+/-0.042 χ^2/NDF: 2426354.8/20

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 155.374+/-0.036 χ^2/NDF: 4414960.8/26

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

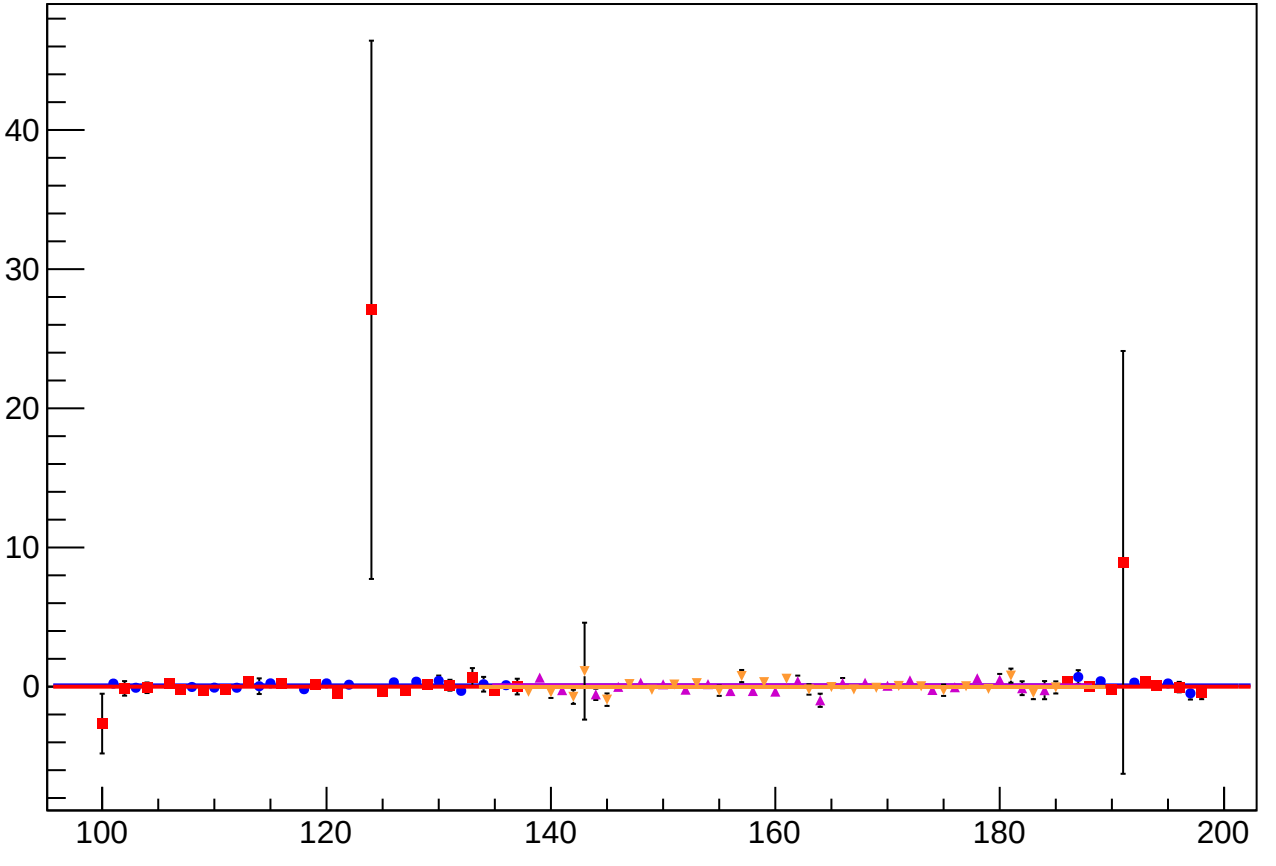
Right: 164.579+/-0.027 χ^2/NDF: 6999111.4/47

In: 214.167+/-0.031 χ^2/NDF:6153660.9/43

Out: 193.447+/-0.028 χ^2/NDF:11456241.7/51

All: 202.758+/-0.021 χ^2/NDF: 17862078.1/95

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.093+/-0.060 χ^2/NDF: 13.8/20

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.001+/-0.051 χ^2/NDF: 27.3/26

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

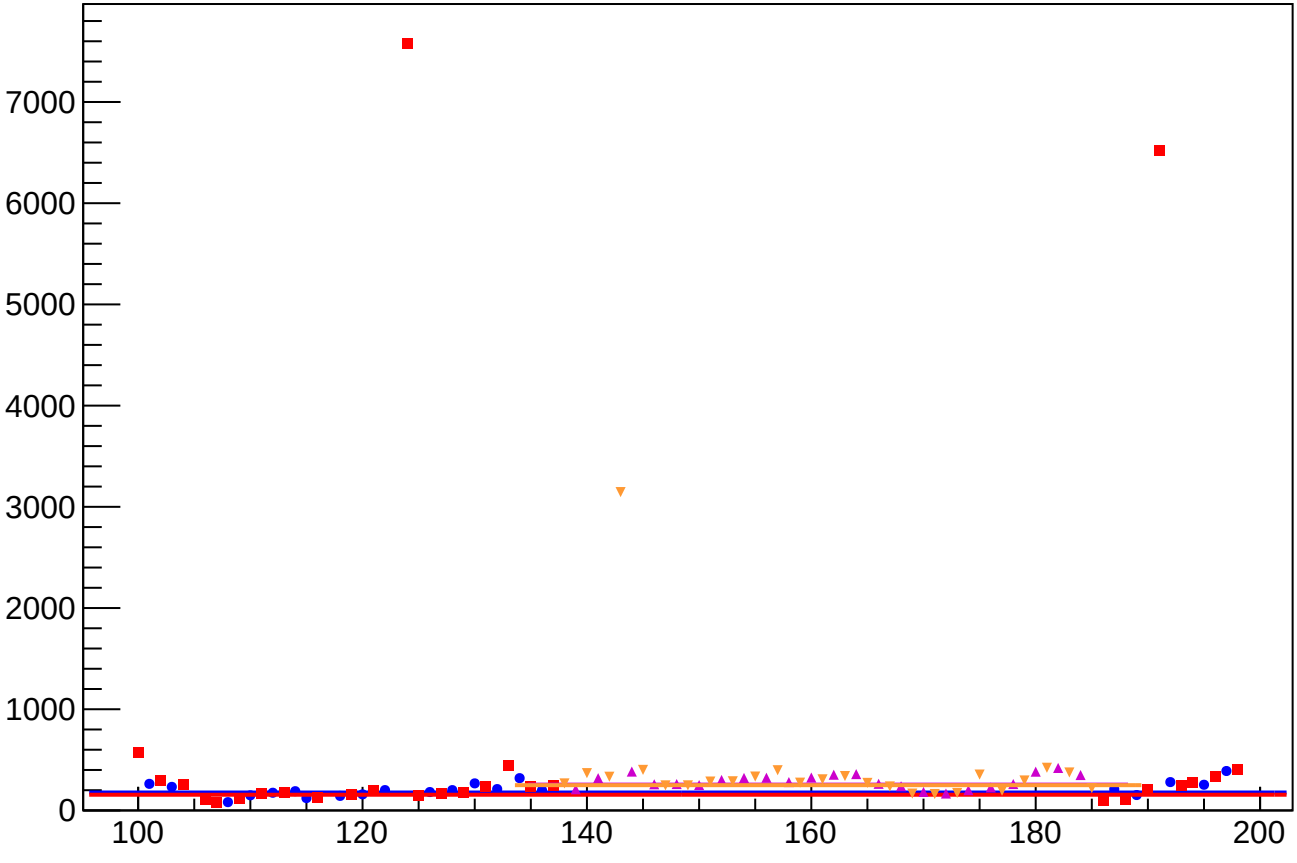
Right: 0.038+/-0.039 χ^2/NDF: 42.5/47

In: 0.094+/-0.043 χ^2/NDF:45.3/43

Out: -0.010+/-0.039 χ^2/NDF:50.9/51

All: 0.037+/-0.029 χ^2/NDF: 99.4/95

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 177.342+/-0.042 χ^2/NDF: 2426354.8/20

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 155.374+/-0.036 χ^2/NDF: 4414960.8/26

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

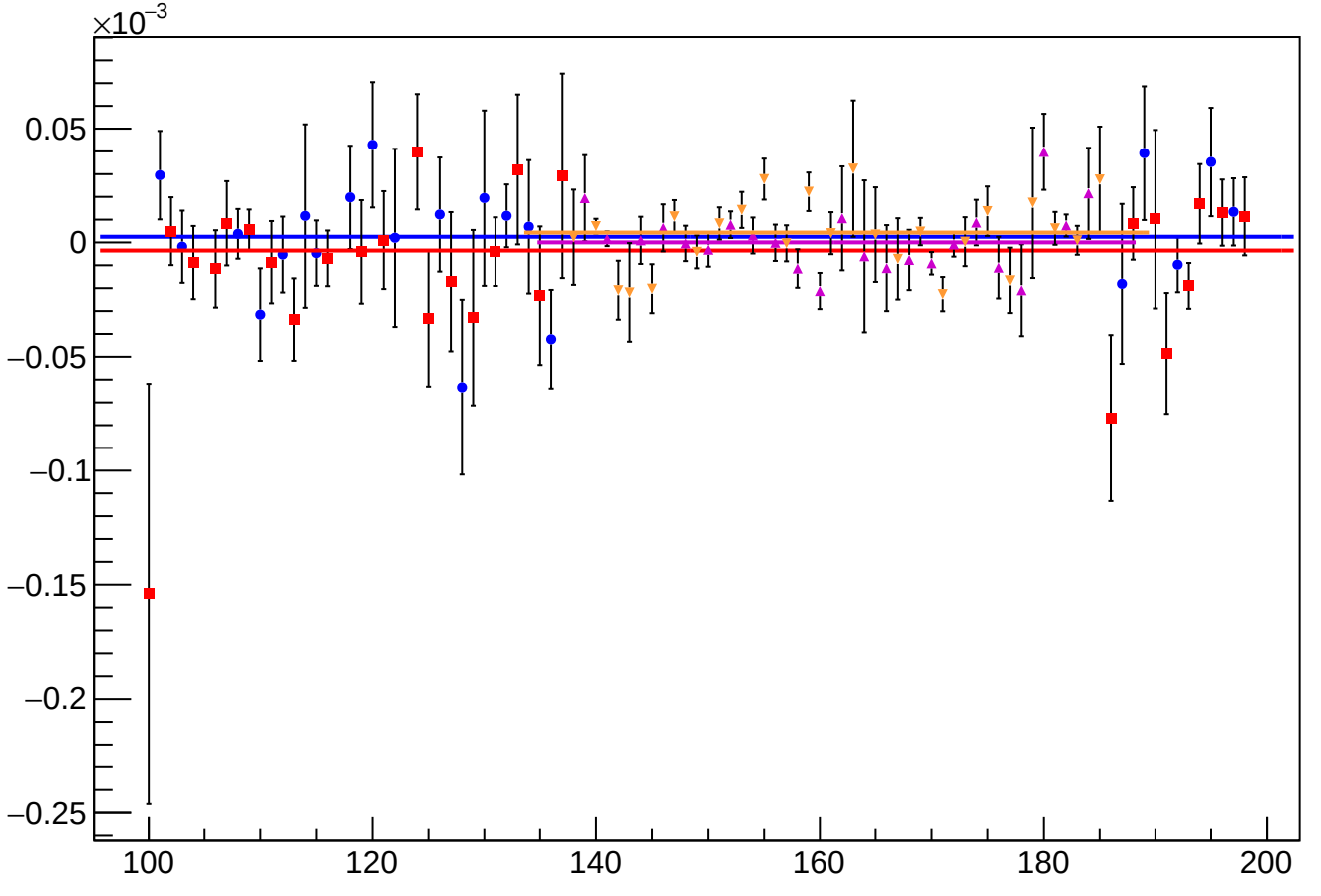
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 164.579+/-0.027 χ^2/NDF: 6999111.4/47

In: 214.167+/-0.031 χ^2/NDF:6153660.9/43

Out: 193.447+/-0.028 χ^2/NDF:11456241.7/51

All: 202.758+/-0.021 χ^2/NDF: 17862078.1/95



Right In: 0.000+/-0.000 χ^2/NDF: 21.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.1/26

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

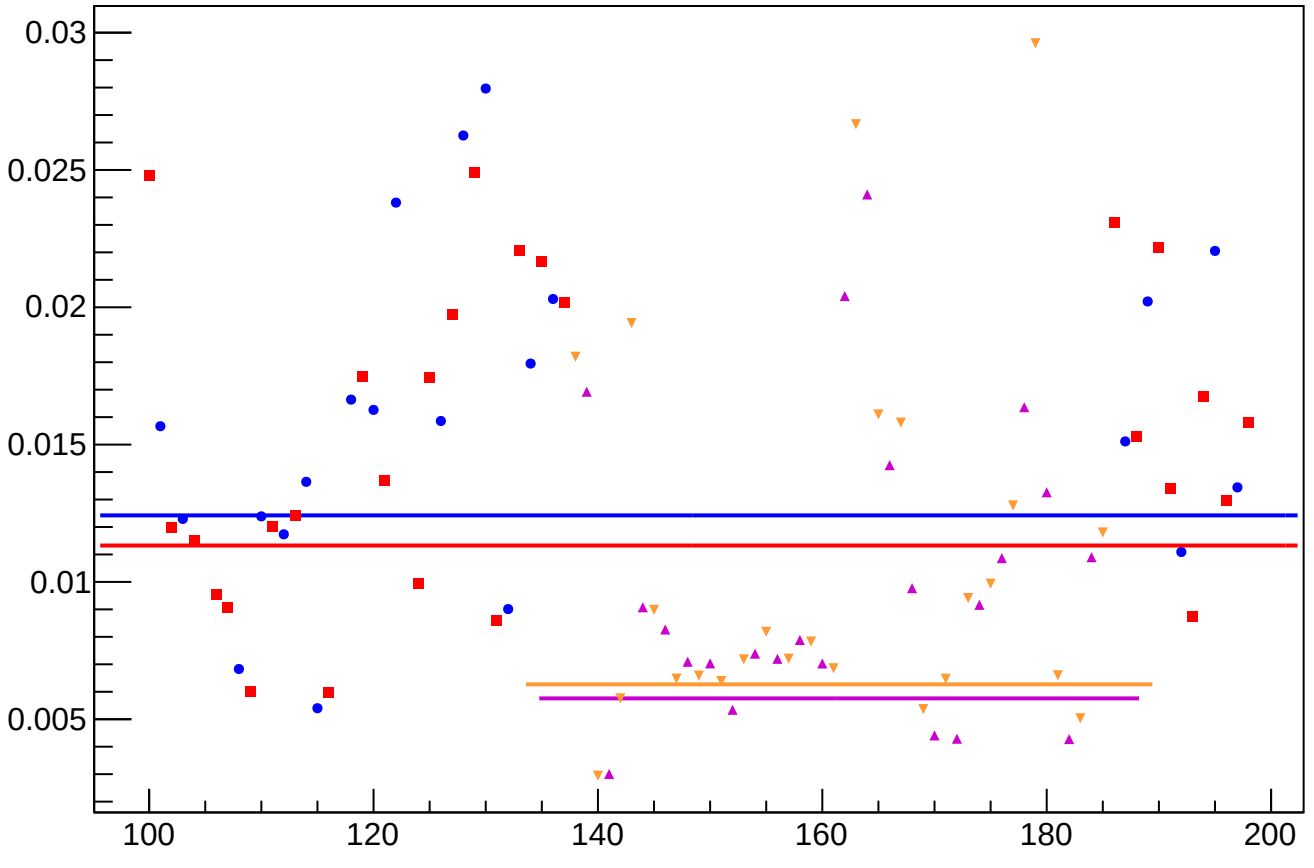
Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

Right: -0.000+/-0.000 χ^2/NDF: 50.9/47

In: 0.000+/-0.000 χ^2/NDF:50.9/43

Out: 0.000+/-0.000 χ^2/NDF:78.4/51

All: 0.000+/-0.000 χ^2/NDF: 130.7/95



Right In: 0.012+/-0.000 χ^2/NDF: 2947118.9/20

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.011+/-0.000 χ^2/NDF: 3432054.3/26

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

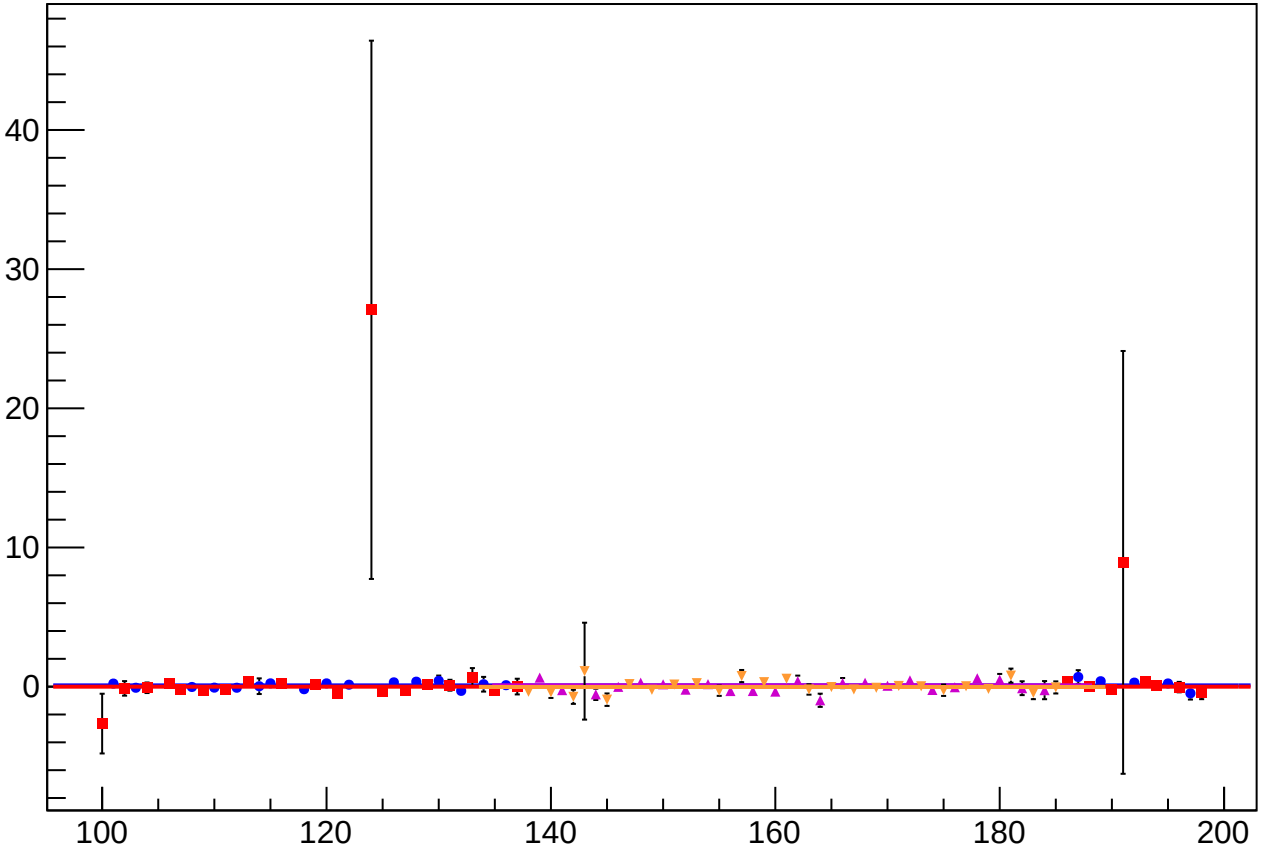
Right: 0.012+/-0.000 χ^2/NDF: 6461235.5/47

In: 0.007+/-0.000 χ^2/NDF:14482085.4/43

Out: 0.007+/-0.000 χ^2/NDF:14831731.4/51

All: 0.007+/-0.000 χ^2/NDF: 29486500.8/95

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.093+/-0.060 χ^2/NDF: 13.8/20

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.001+/-0.051 χ^2/NDF: 27.3/26

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

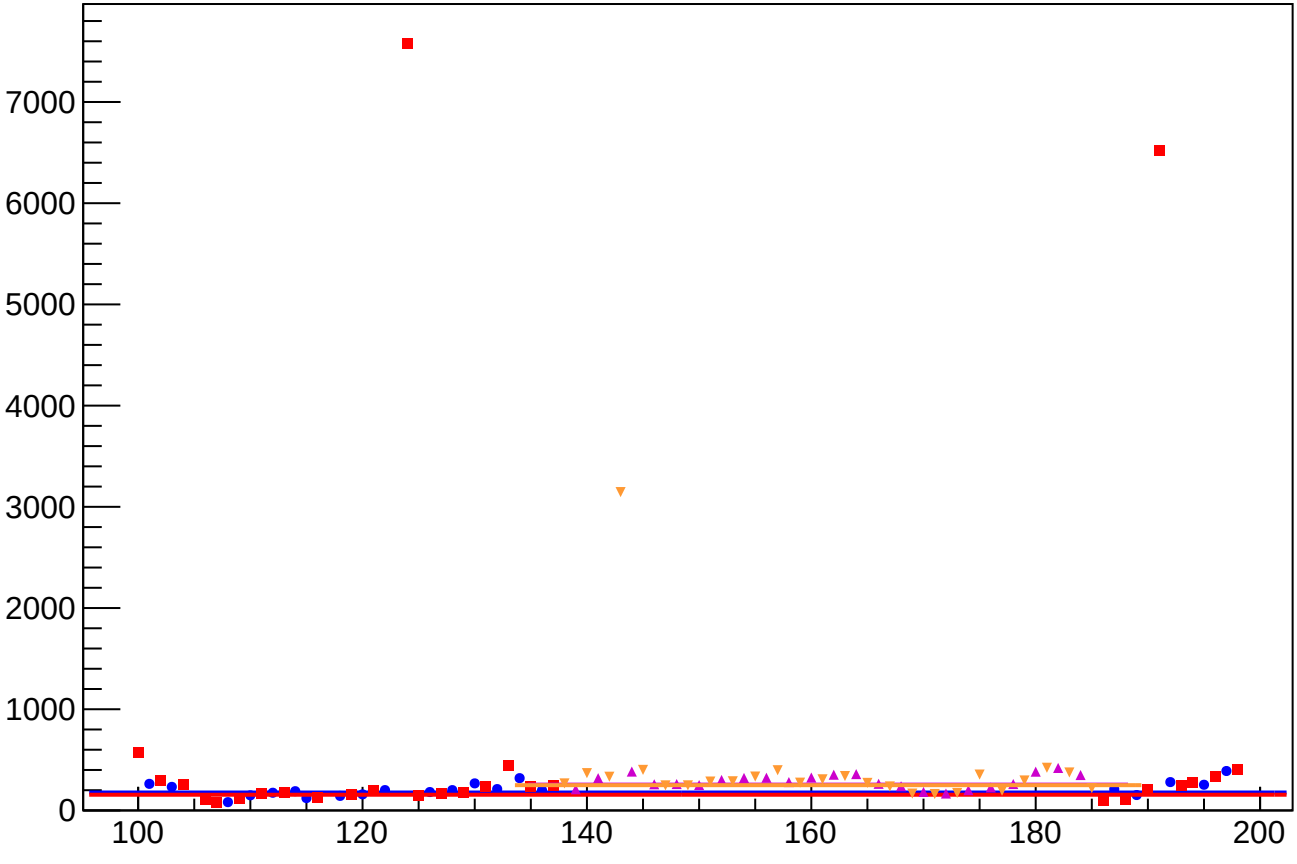
Right: 0.038+/-0.039 χ^2/NDF: 42.5/47

In: 0.094+/-0.043 χ^2/NDF:45.3/43

Out: -0.010+/-0.039 χ^2/NDF:50.9/51

All: 0.037+/-0.029 χ^2/NDF: 99.4/95

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 177.340+/-0.042 χ^2/NDF: 2426371.3/20

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 155.377+/-0.036 χ^2/NDF: 4414834.1/26

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

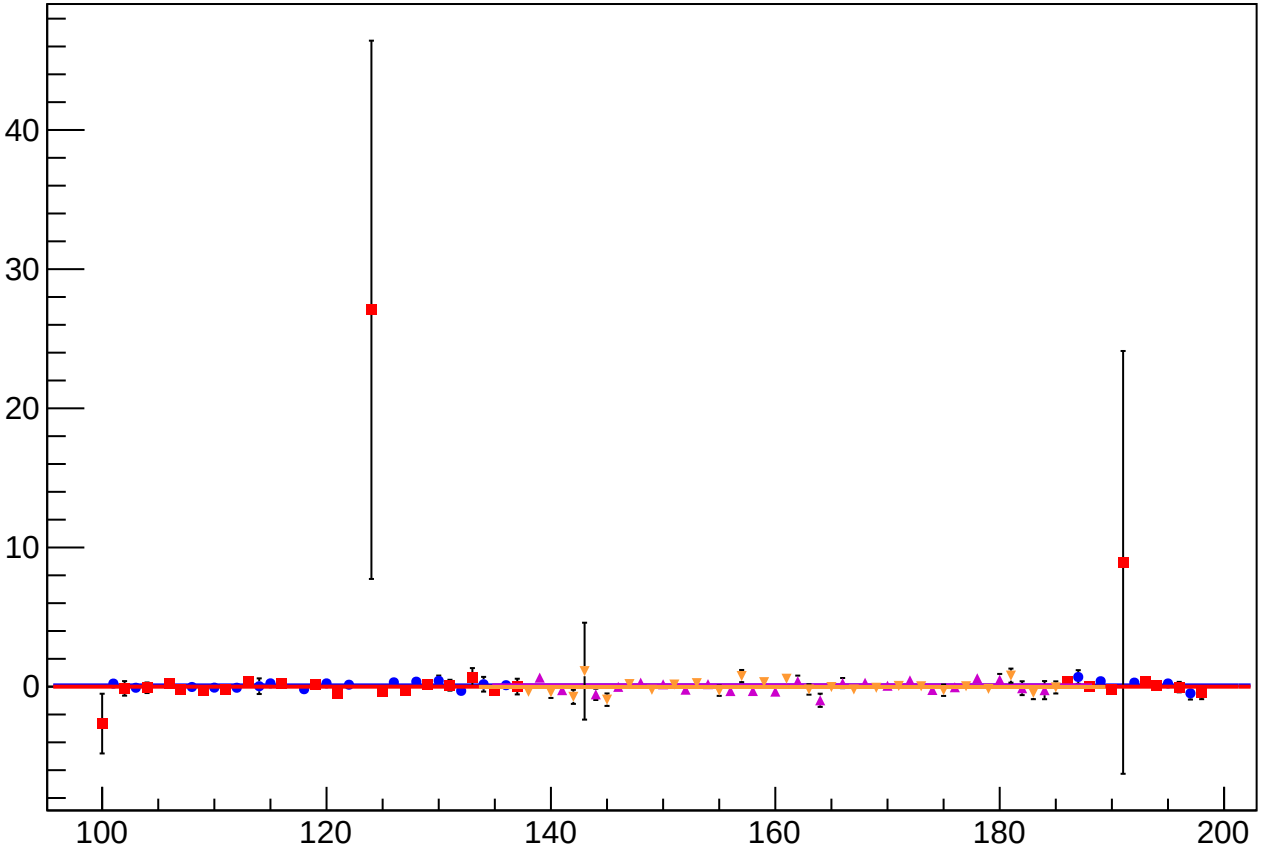
Right: 164.580+/-0.027 χ^2/NDF: 6998939.2/47

In: 214.166+/-0.031 χ^2/NDF:6153895.8/43

Out: 193.449+/-0.028 χ^2/NDF:11456122.4/51

All: 202.758+/-0.021 χ^2/NDF: 17862120.6/95

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.093+/-0.060 χ^2/NDF: 13.8/20

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.001+/-0.051 χ^2/NDF: 27.3/26

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

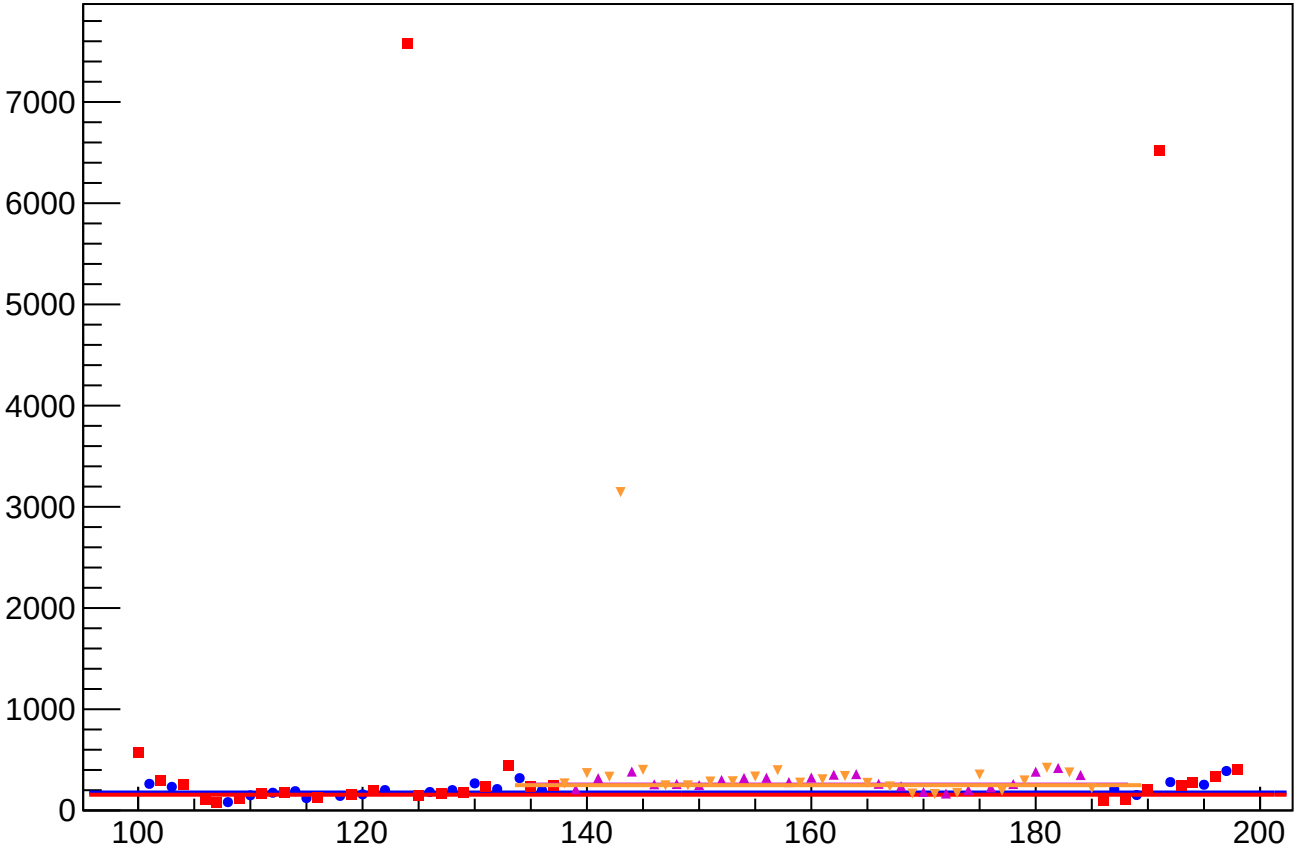
Right: 0.038+/-0.039 χ^2/NDF: 42.5/47

In: 0.094+/-0.043 χ^2/NDF:45.3/43

Out: -0.010+/-0.039 χ^2/NDF:50.9/51

All: 0.037+/-0.029 χ^2/NDF: 99.4/95

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 177.340+/-0.042 χ^2/NDF: 2426371.3/20

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 155.377+/-0.036 χ^2/NDF: 4414834.1/26

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

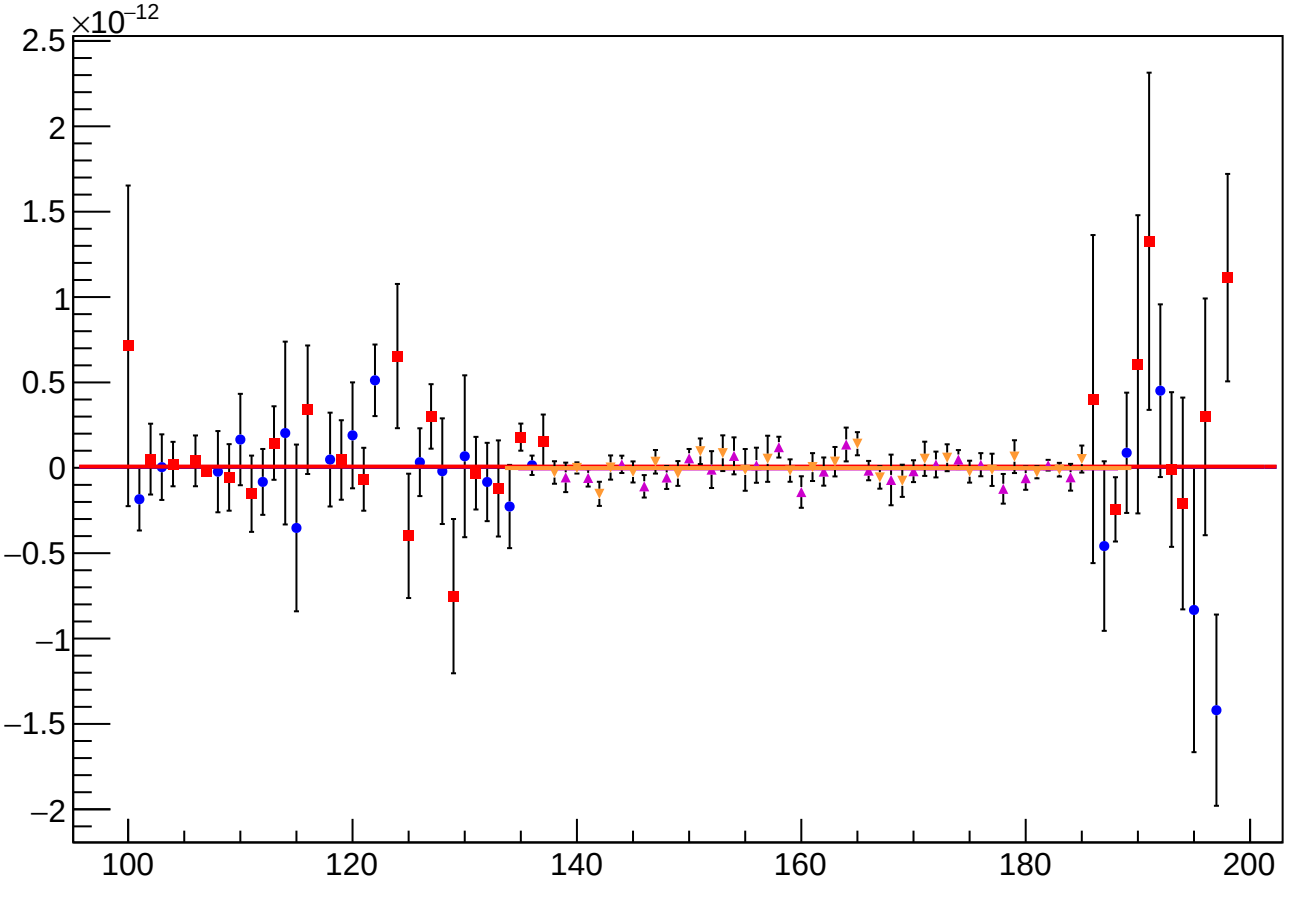
Right: 164.580+/-0.027 χ^2/NDF: 6998939.2/47

In: 214.166+/-0.031 χ^2/NDF:6153895.8/43

Out: 193.449+/-0.028 χ^2/NDF:11456122.4/51

All: 202.758+/-0.021 χ^2/NDF: 17862120.6/95

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.2/26

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

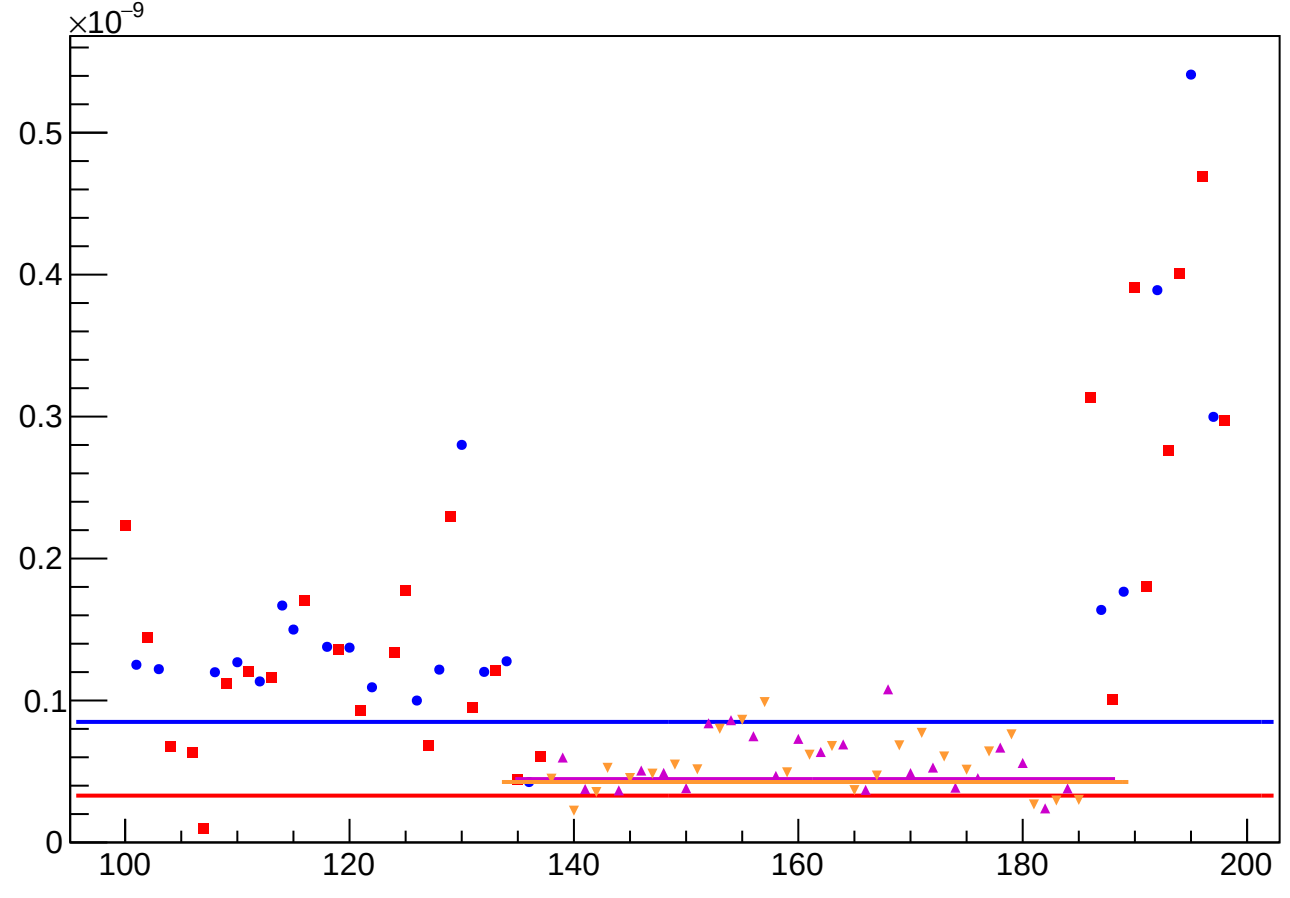
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

Right: 0.000+/-0.000 χ^2/NDF: 45.0/47

In: -0.000+/-0.000 χ^2/NDF:38.8/43

Out: 0.000+/-0.000 χ^2/NDF:42.6/51

All: -0.000+/-0.000 χ^2/NDF: 81.5/95



Right In: 0.000+/-0.000 χ^2/NDF: 3952567.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8792483.3/26

Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

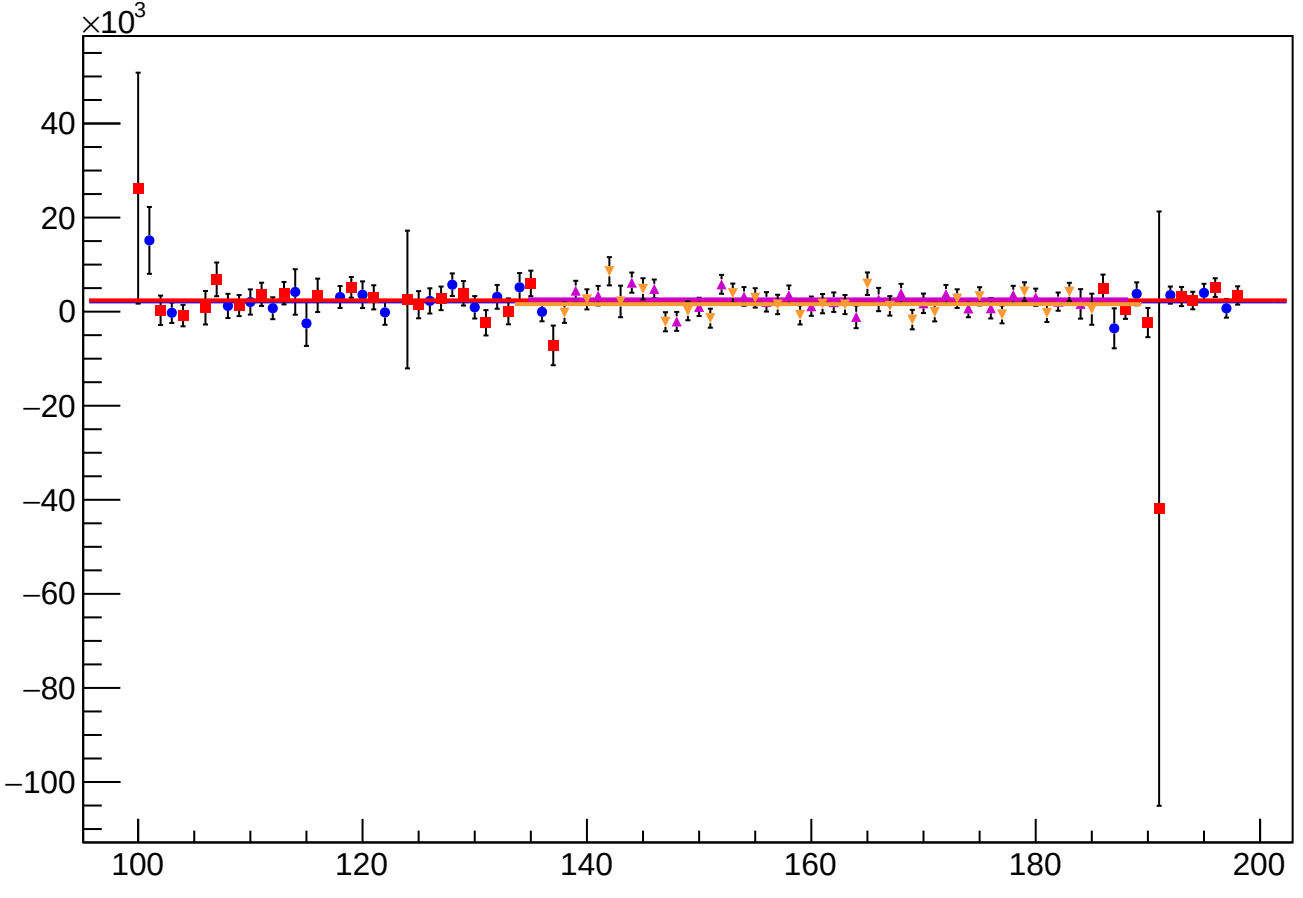
Left: 0.000+/-0.000 χ^2/NDF: 6543796.8/47

Right: 0.000+/-0.000 χ^2/NDF: 15143888.9/47

In: 0.000+/-0.000 χ^2/NDF:8515335.0/43

Out: 0.000+/-0.000 χ^2/NDF:12711769.8/51

All: 0.000+/-0.000 χ^2/NDF: 21694674.0/95



Right In: 2183.437+/-550.888 χ^2/NDF: 16.4/20

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: 2394.344+/-509.836 χ^2/NDF: 25.8/26

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

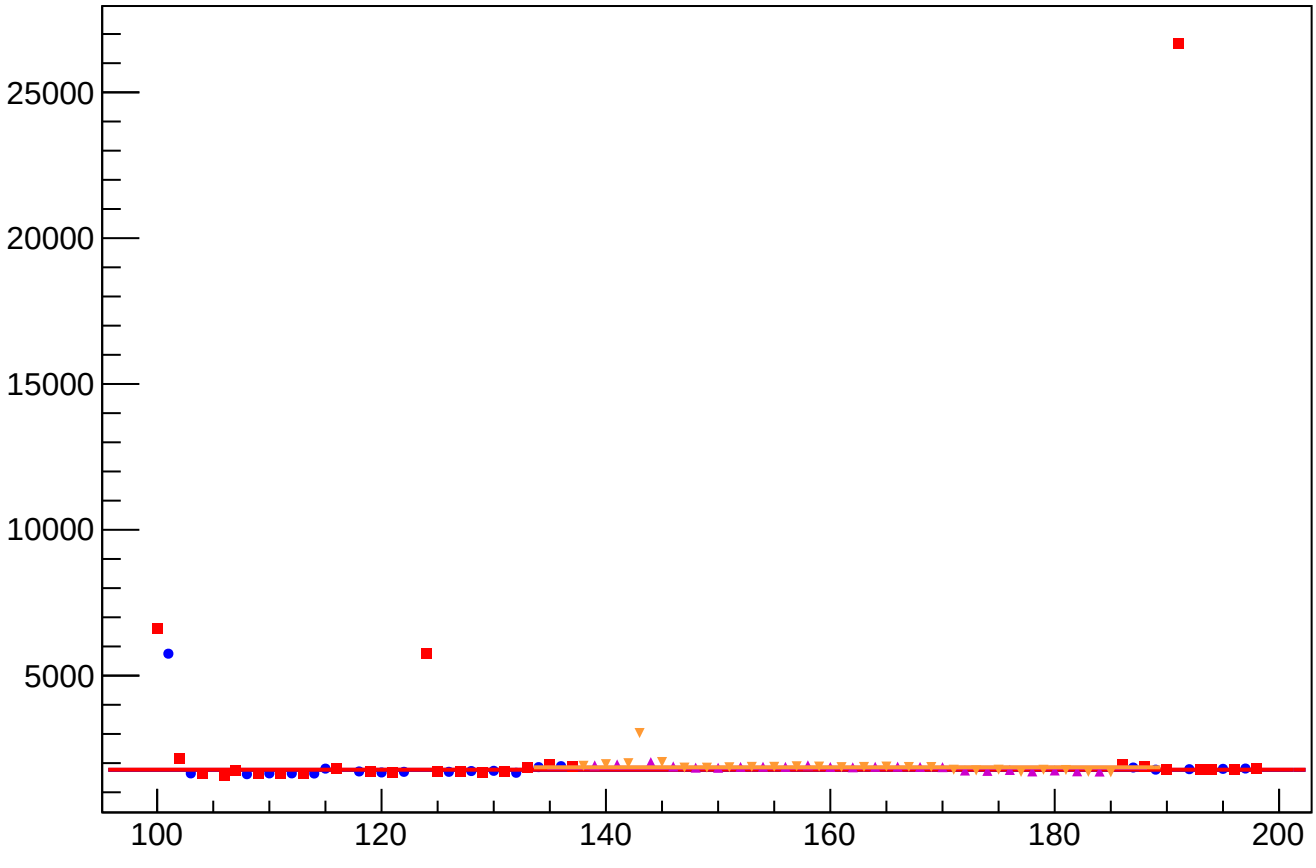
Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

Right: 2297.041+/-374.181 χ^2/NDF: 42.4/47

In: 2440.752+/-339.108 χ^2/NDF:36.9/43

Out: 1919.673+/-325.678 χ^2/NDF:58.6/51

All: 2169.690+/-234.893 χ^2/NDF: 96.7/95



Right In: 1767.237+/-0.390 χ^2/NDF: 674687.4/20

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1774.557+/-0.359 χ^2/NDF: 639229.7/26

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

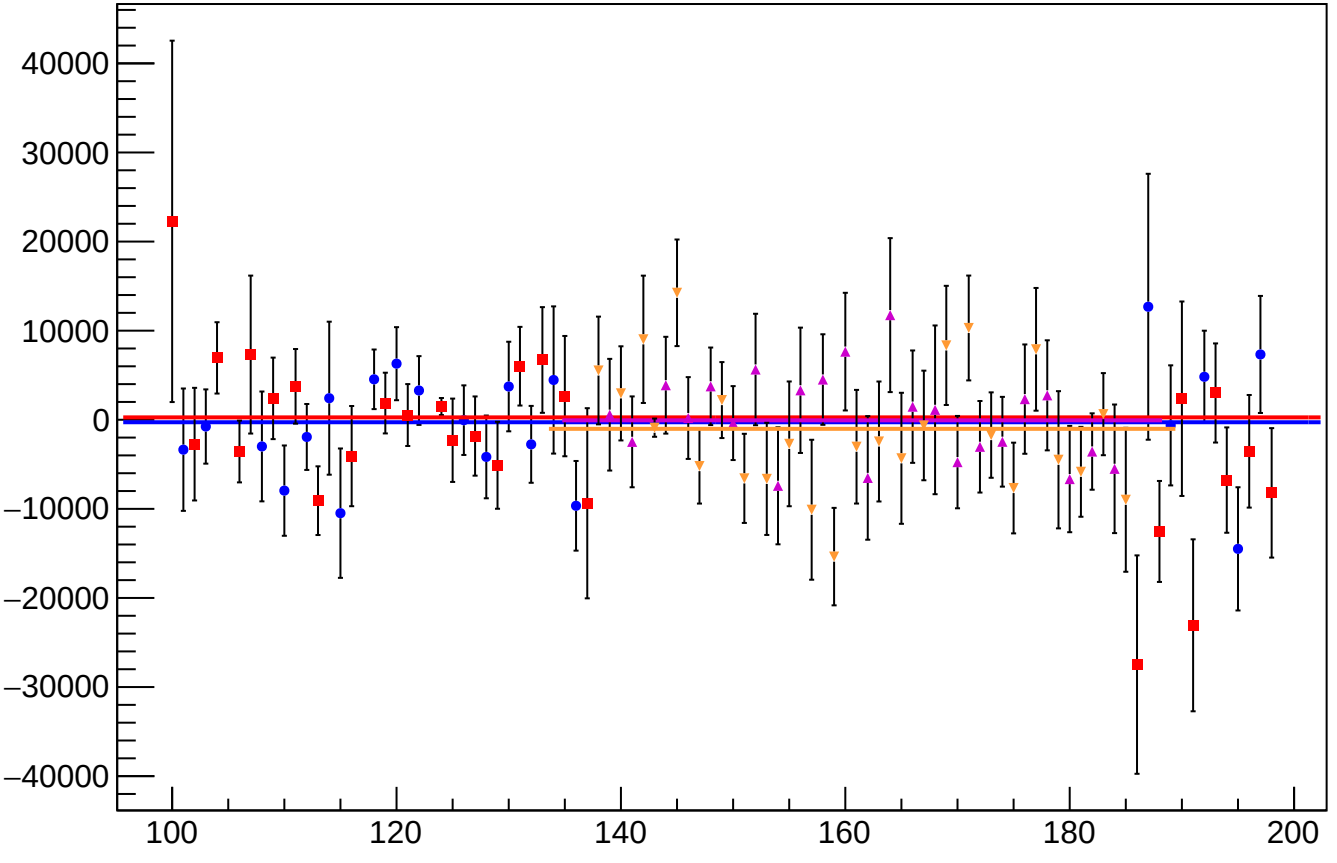
Right: 1771.196+/-0.264 χ^2/NDF: 1314108.2/47

In: 1813.038+/-0.240 χ^2/NDF:767932.5/43

Out: 1822.332+/-0.230 χ^2/NDF:993540.1/51

All: 1817.881+/-0.166 χ^2/NDF: 1762255.4/95

asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -278.764+/-1095.719 χ^2/NDF: 23.2/20

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: 268.114+/-696.656 χ^2/NDF: 40.3/26

Left In: -62.369+/-1173.429 χ^2/NDF:13.0/22

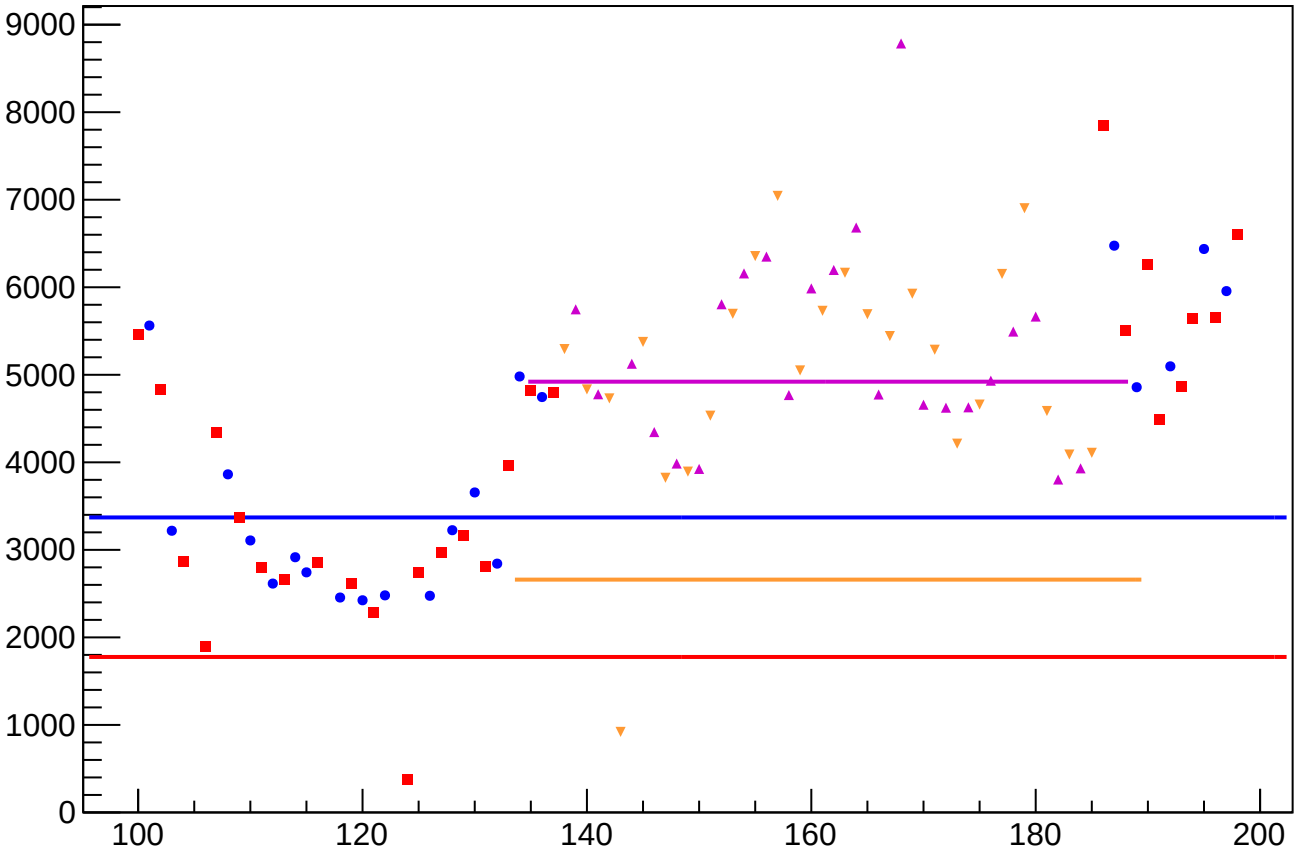
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: 110.684+/-587.893 χ^2/NDF: 63.7/47

In: -177.969+/-800.855 χ^2/NDF:36.3/43

Out: -309.675+/-517.146 χ^2/NDF:75.6/51

All: -270.917+/-434.441 χ^2/NDF: 111.9/95



Right In: 3370.344+/-0.775 χ^2/NDF: 2169881.1/20

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 1776.368+/-0.493 χ^2/NDF: 12158638.4/26

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

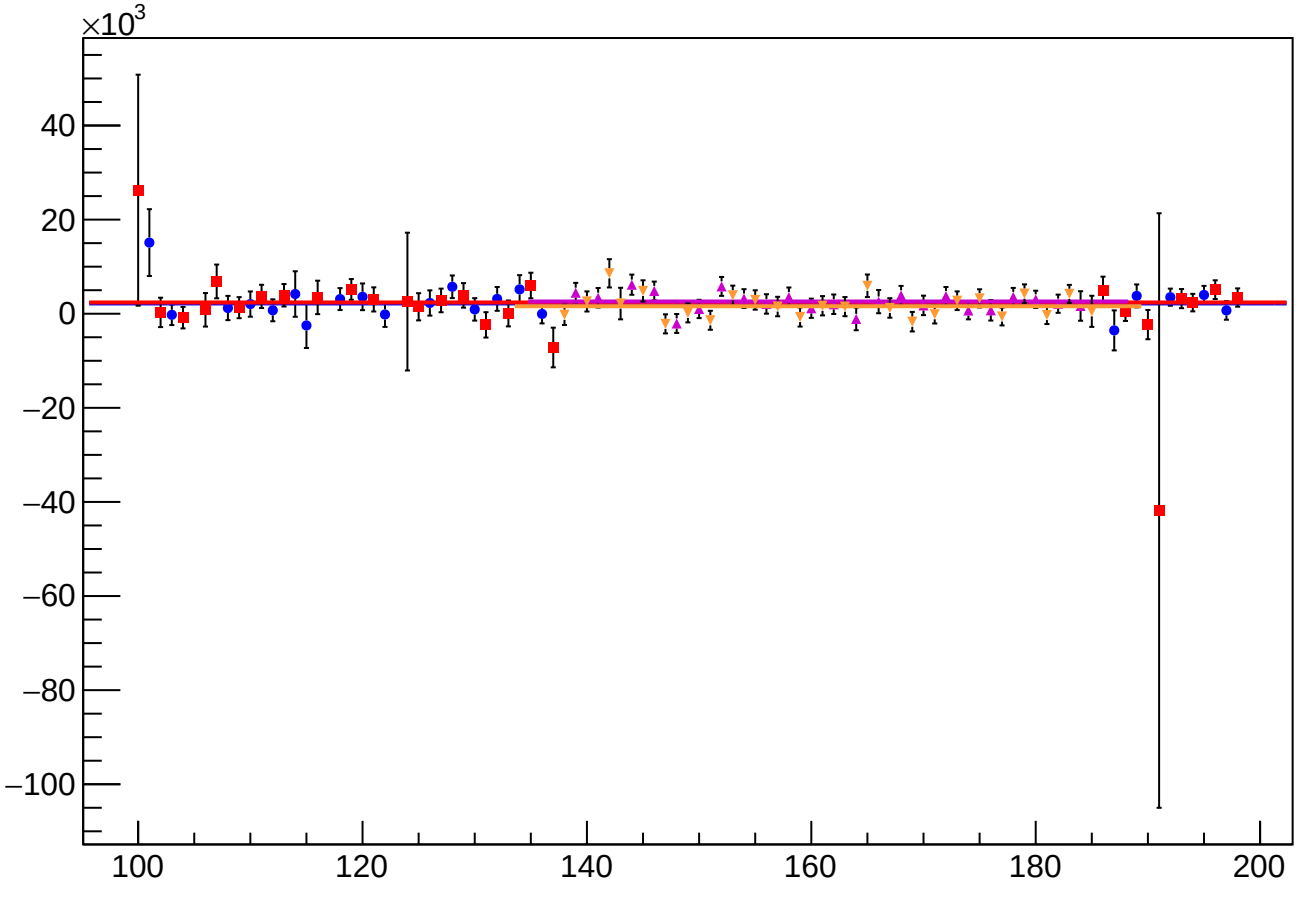
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 2235.227+/-0.416 χ^2/NDF: 17342591.7/47

In: 4092.778+/-0.566 χ^2/NDF:5287531.5/43

Out: 2173.080+/-0.366 χ^2/NDF:28139300.8/51

All: 2738.001+/-0.307 χ^2/NDF: 41536880.3/9



Right In: 2183.244+/-550.888 χ^2/NDF: 16.4/20

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2394.376+/-509.836 χ^2/NDF: 25.8/26

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

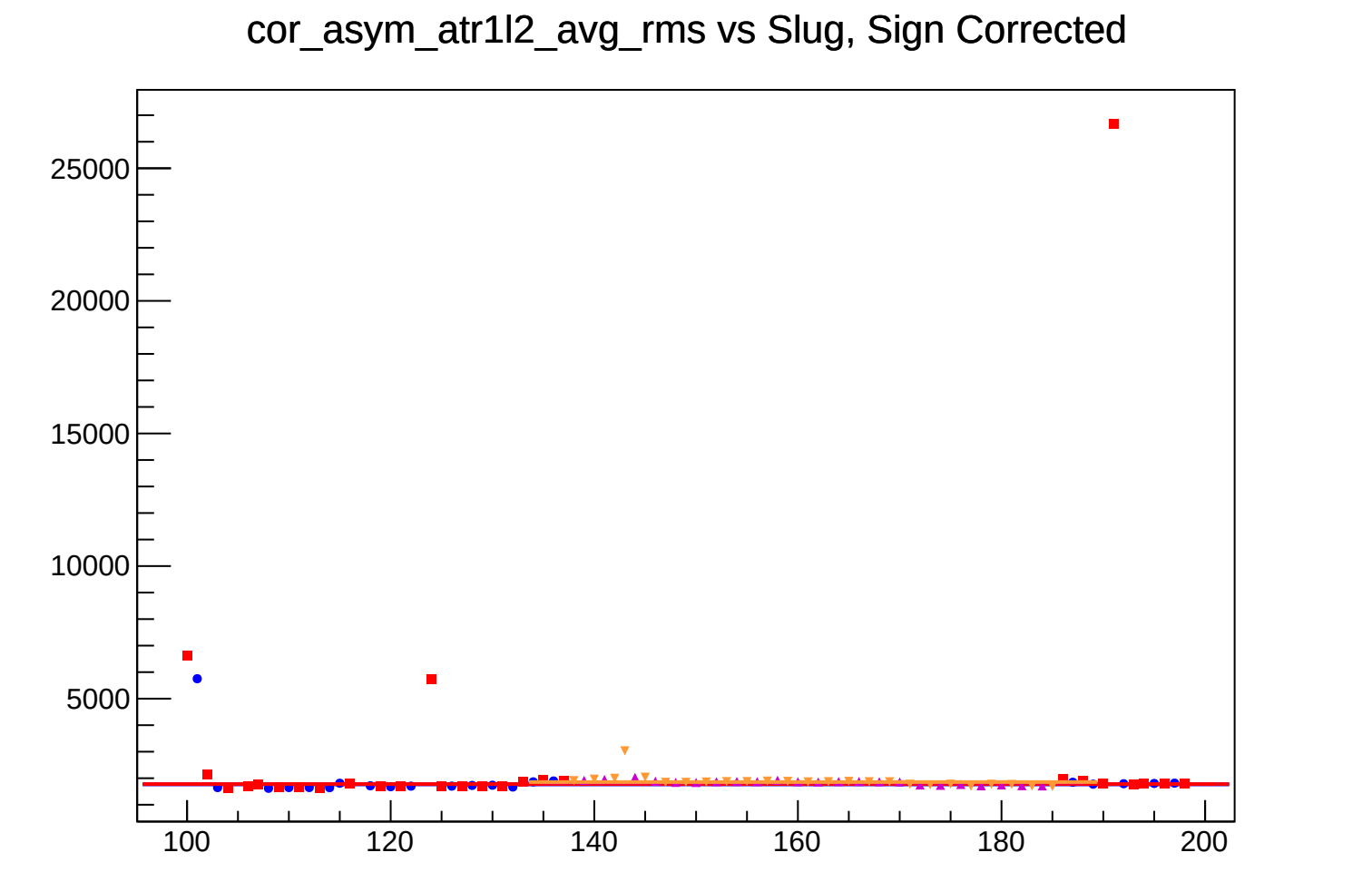
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2296.969+/-374.181 χ^2/NDF: 42.4/47

In: 2440.723+/-339.108 χ^2/NDF:36.9/43

Out: 1919.666+/-325.678 χ^2/NDF:58.6/51

All: 2169.673+/-234.893 χ^2/NDF: 96.7/95



Right In: 1767.236+/-0.390 χ^2/NDF: 674687.7/20

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.781+/-0.360 χ^2/NDF: 630417.0/26

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

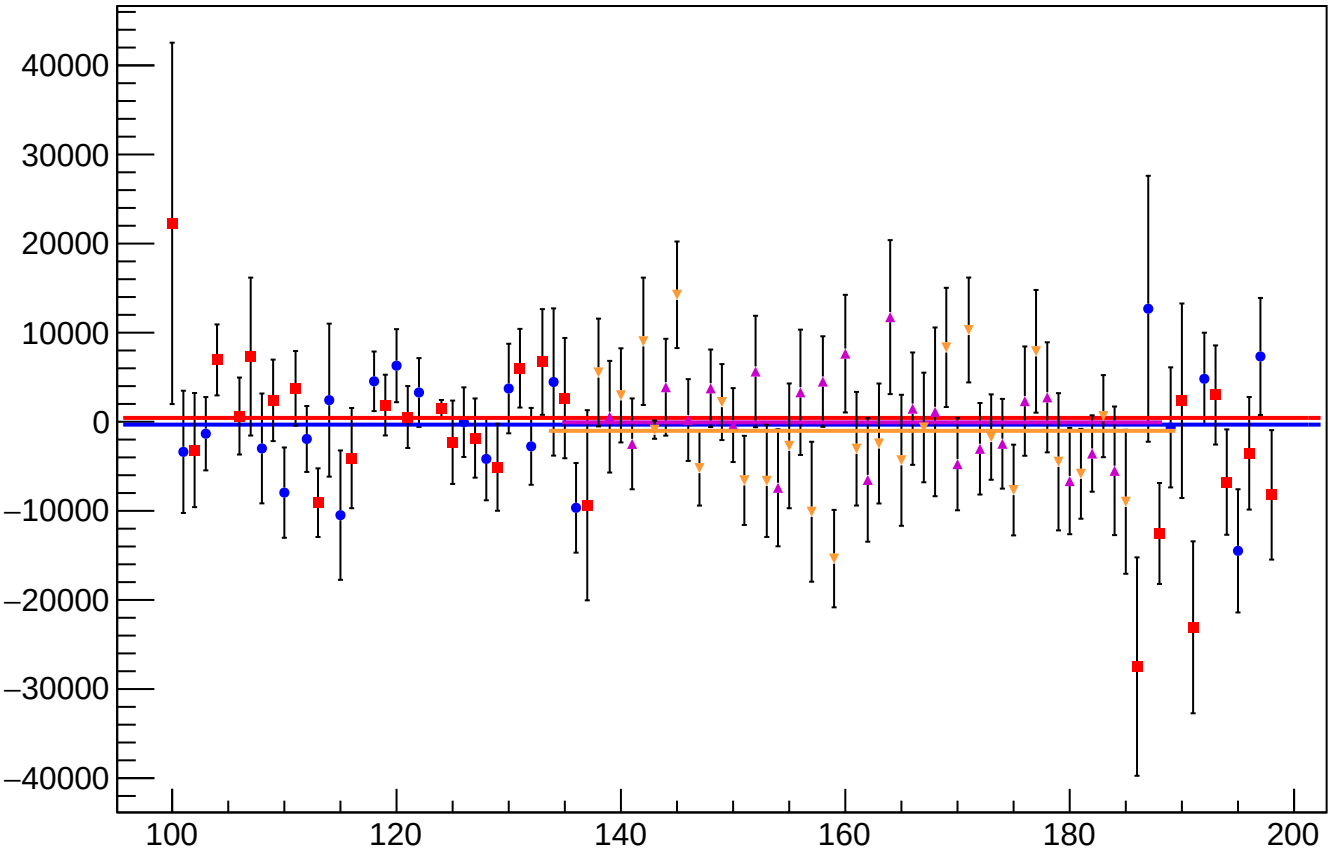
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1773.468+/-0.264 χ^2/NDF: 1305578.9/47

In: 1813.038+/-0.240 χ^2/NDF:767932.9/43

Out: 1824.146+/-0.230 χ^2/NDF:981605.9/51

All: 1818.821+/-0.166 χ^2/NDF: 1750656.2/95



Right In: -321.408+/-1094.737 χ^2/NDF: 23.3/20

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 432.646+/-701.712 χ^2/NDF: 39.1/26

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

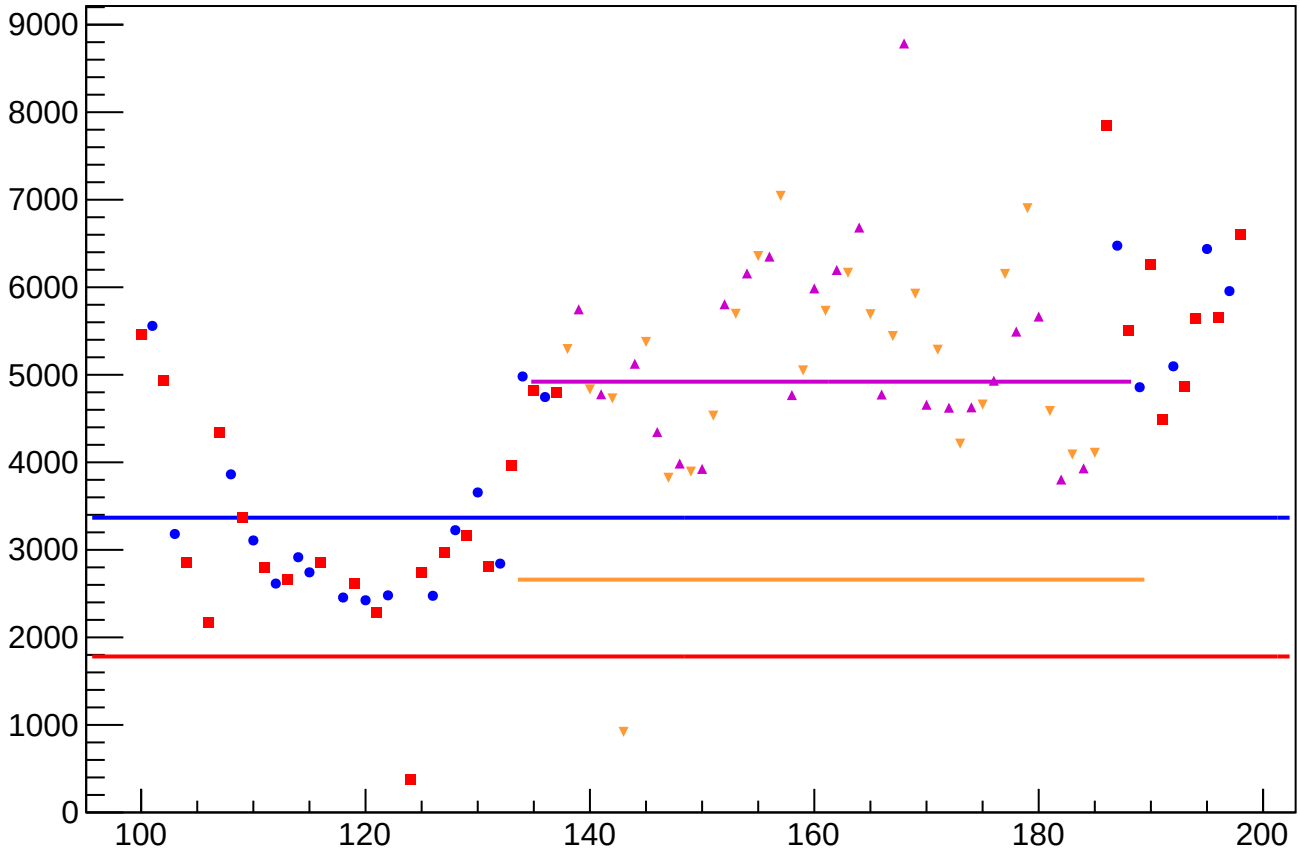
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 213.055+/-590.767 χ^2/NDF: 62.8/47

In: -200.826+/-800.471 χ^2/NDF:36.4/43

Out: -224.156+/-519.199 χ^2/NDF:74.8/51

All: -217.247+/-435.594 χ^2/NDF: 111.2/95



Right In: 3367.458+/-0.774 χ^2/NDF: 2170967.8/20

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1782.064+/-0.496 χ^2/NDF: 12188542.3/26

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

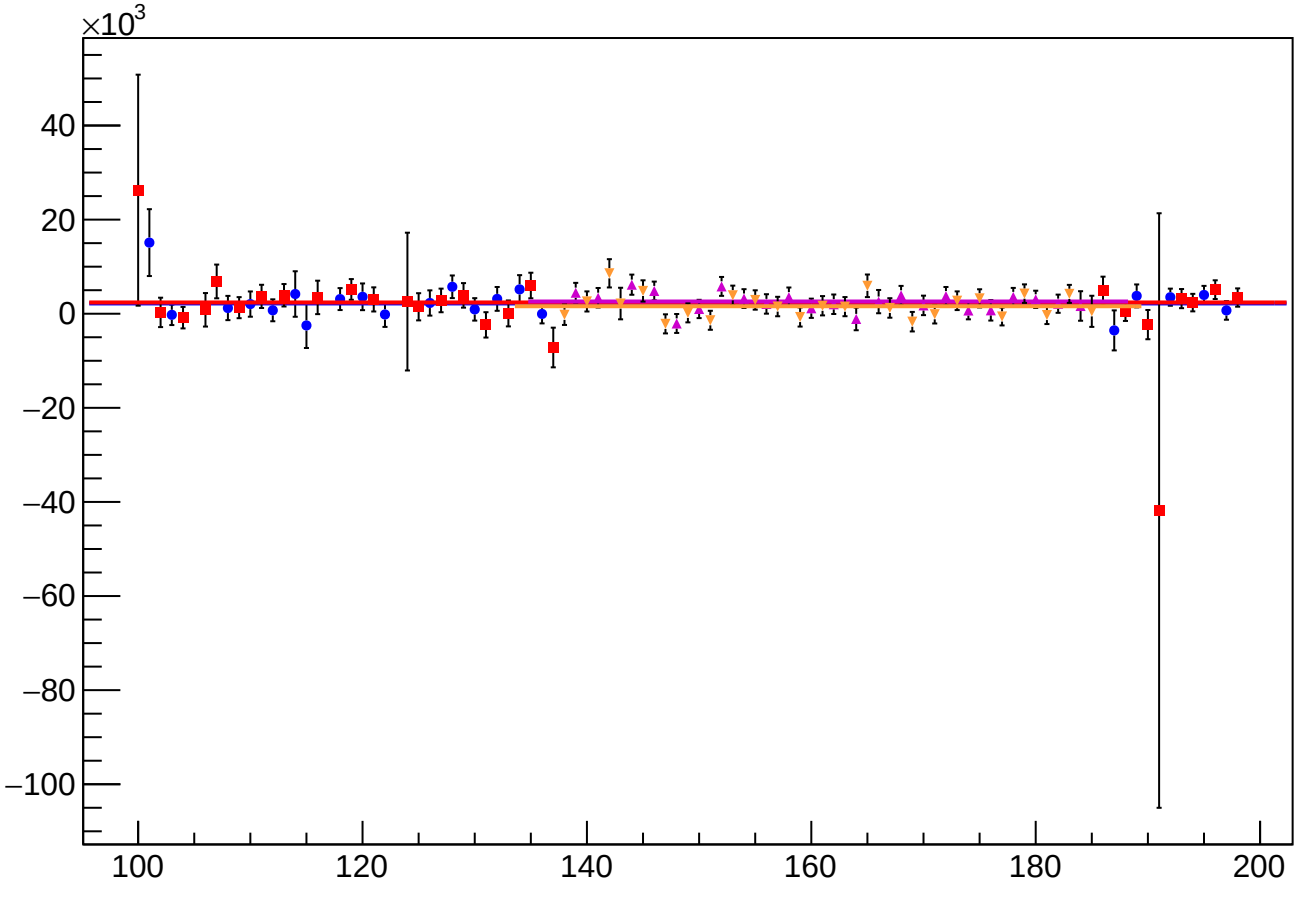
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2243.753+/-0.418 χ^2/NDF: 17332541.1/47

In: 4090.542+/-0.566 χ^2/NDF:5297138.4/43

Out: 2179.326+/-0.367 χ^2/NDF:28141820.6/51

All: 2745.282+/-0.308 χ^2/NDF: 41464144.1/9



Right In: 2183.244+/-550.888 χ^2/NDF: 16.4/20

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2394.376+/-509.836 χ^2/NDF: 25.8/26

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

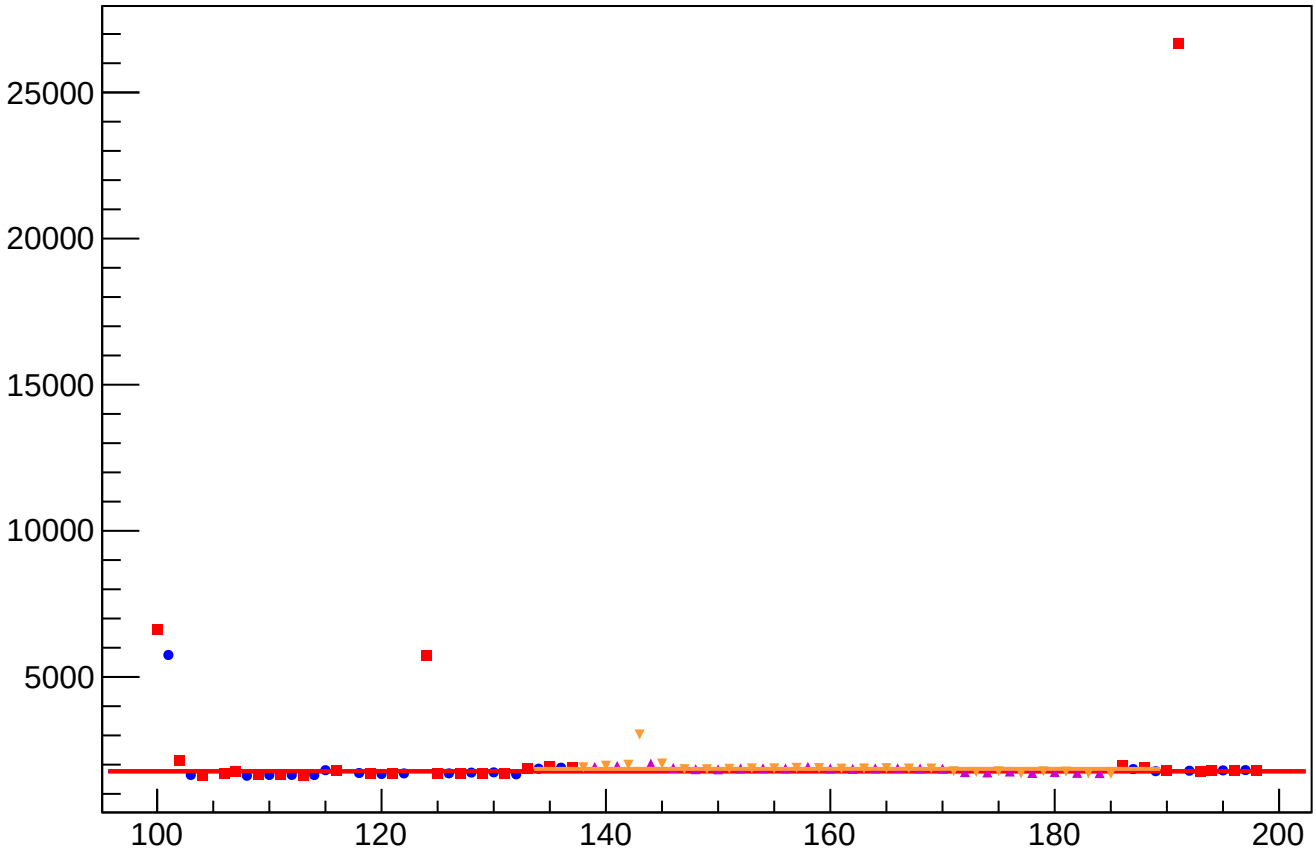
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2296.969+/-374.181 χ^2/NDF: 42.4/47

In: 2440.723+/-339.108 χ^2/NDF:36.9/43

Out: 1919.666+/-325.678 χ^2/NDF:58.6/51

All: 2169.673+/-234.893 χ^2/NDF: 96.7/95



Right In: 1767.236+/-0.390 χ^2/NDF: 674687.7/20

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.781+/-0.360 χ^2/NDF: 630417.0/26

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

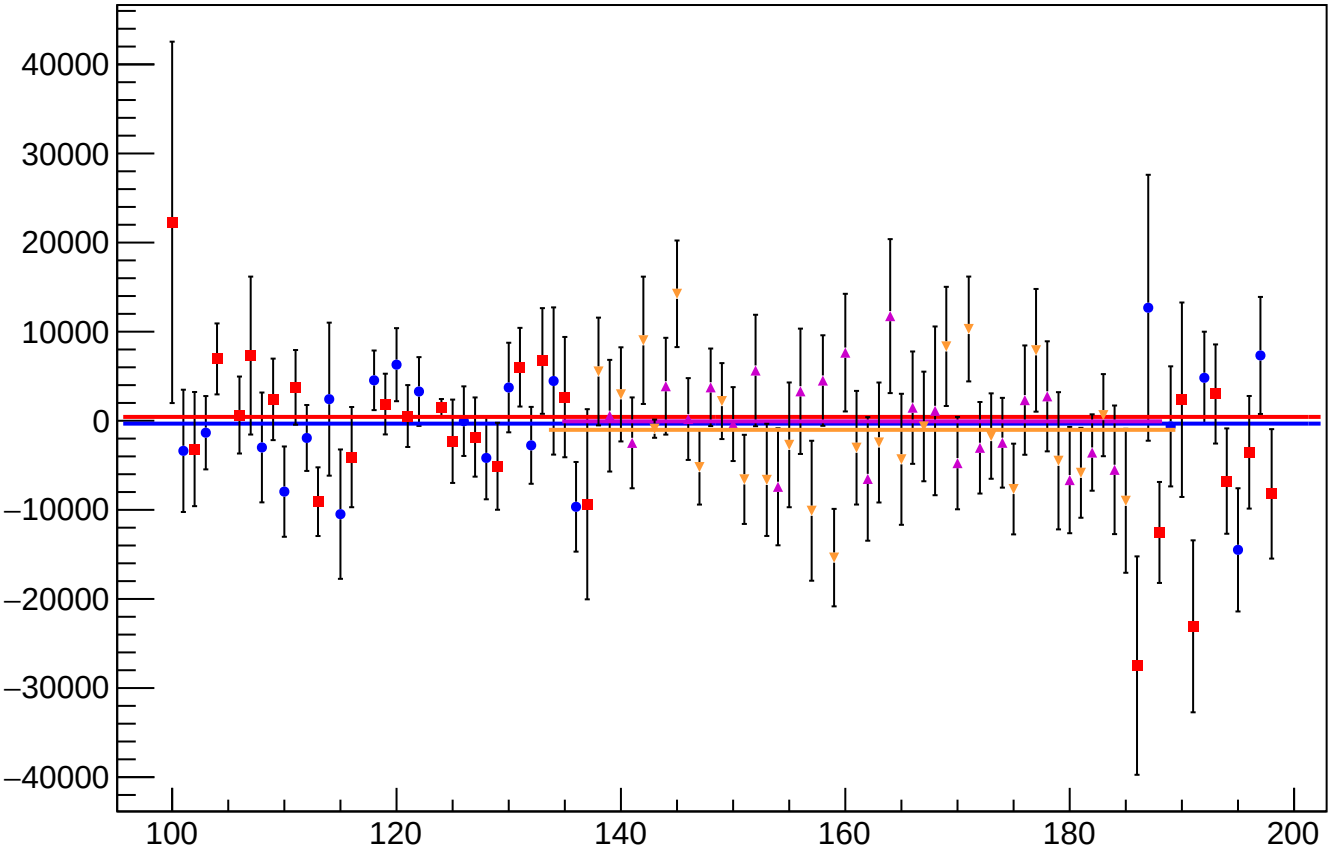
Right: 1773.468+/-0.264 χ^2/NDF: 1305578.9/47

In: 1813.038+/-0.240 χ^2/NDF:767932.9/43

Out: 1824.146+/-0.230 χ^2/NDF:981605.9/51

All: 1818.821+/-0.166 χ^2/NDF: 1750656.2/95

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -321.408+/-1094.737 χ^2/NDF: 23.3/20

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 432.646+/-701.712 χ^2/NDF: 39.1/26

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

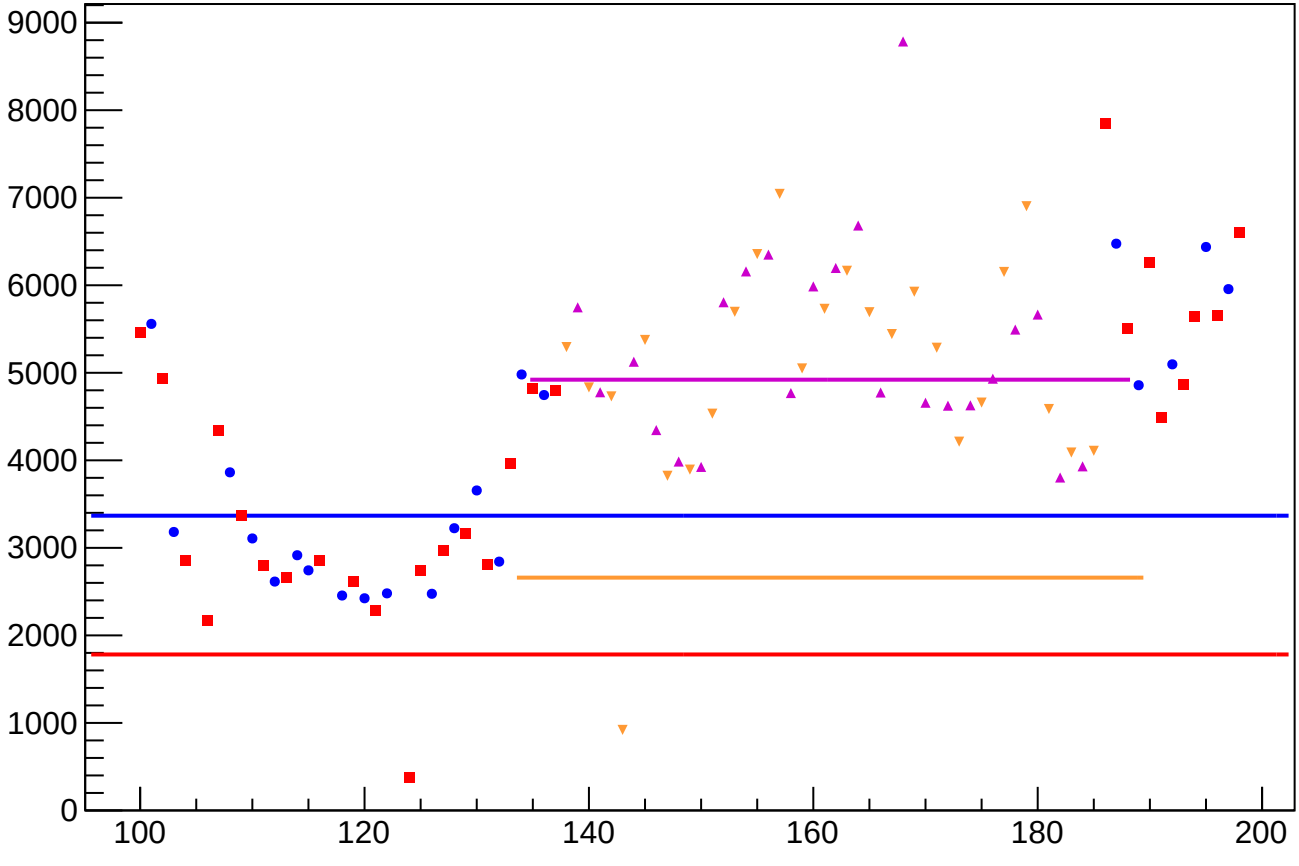
Right: 213.055+/-590.767 χ^2/NDF: 62.8/47

In: -200.826+/-800.471 χ^2/NDF:36.4/43

Out: -224.156+/-519.199 χ^2/NDF:74.8/51

All: -217.247+/-435.594 χ^2/NDF: 111.2/95

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3367.458+/-0.774 χ^2/NDF: 2170967.8/20

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1782.064+/-0.496 χ^2/NDF: 12188542.3/26

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

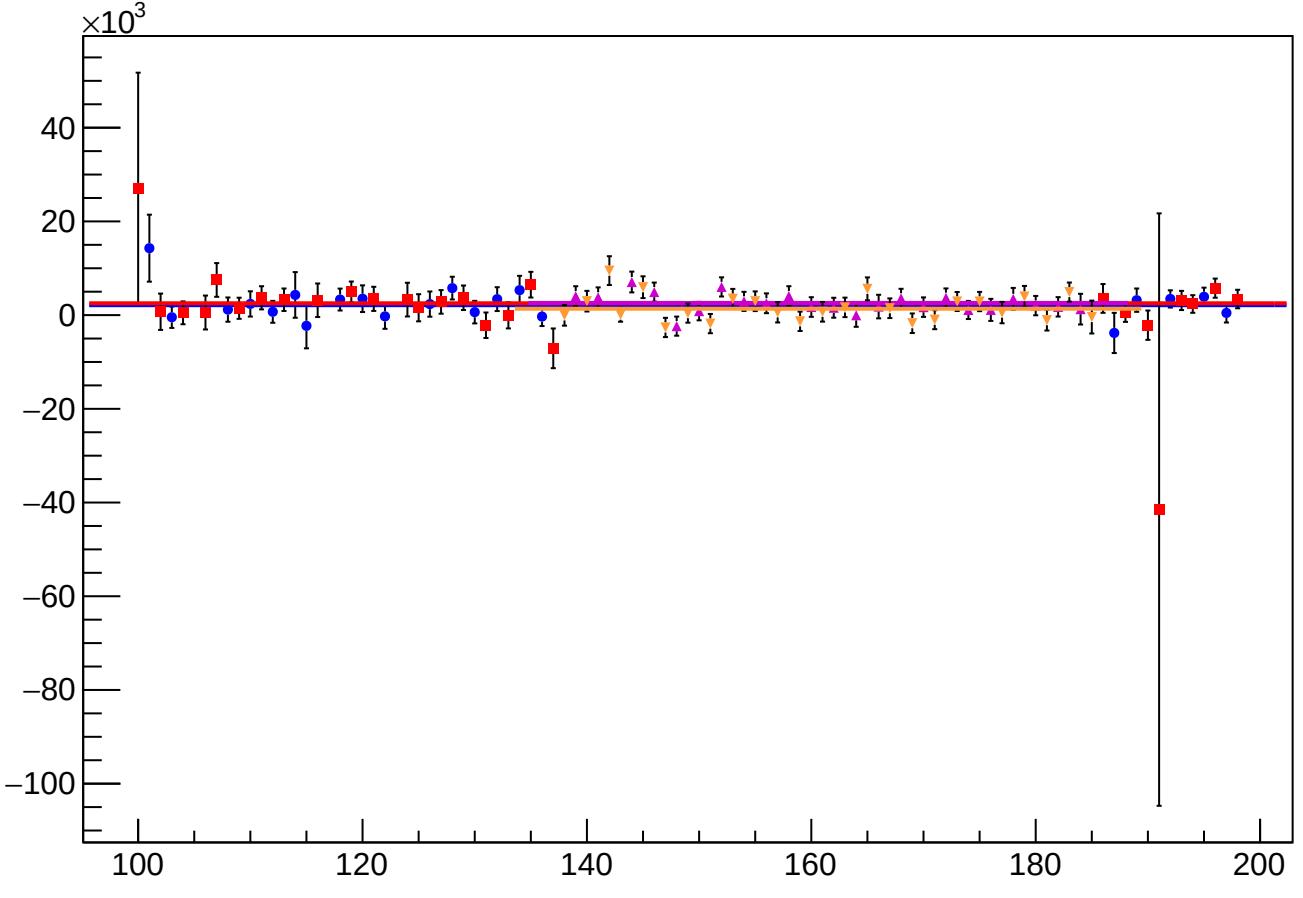
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2243.753+/-0.418 χ^2/NDF: 17332541.1/47

In: 4090.542+/-0.566 χ^2/NDF:5297138.4/43

Out: 2179.326+/-0.367 χ^2/NDF:28141820.6/51

All: 2745.282+/-0.308 χ^2/NDF: 41464144.1/9



Right In: 2120.428+/-557.782 χ^2/NDF: 16.6/20

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: 2527.932+/-512.908 χ^2/NDF: 24.2/26

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

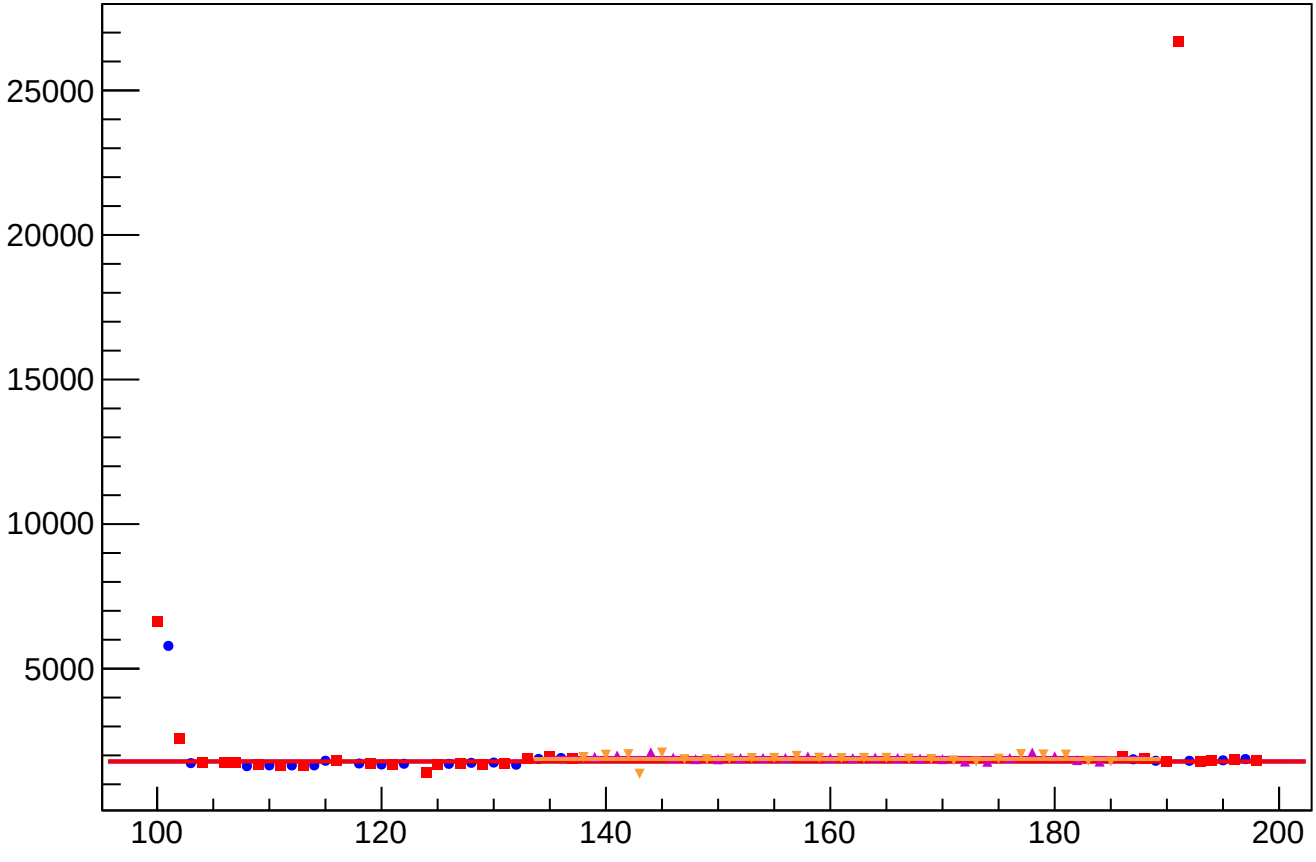
Right: 2341.229+/-377.549 χ^2/NDF: 41.1/47

In: 2414.313+/-348.689 χ^2/NDF:37.1/43

Out: 1840.835+/-328.314 χ^2/NDF:63.3/51

All: 2110.331+/-239.032 χ^2/NDF: 101.9/95

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1789.116+/-0.394 χ^2/NDF: 674618.1/20

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1790.444+/-0.362 χ^2/NDF: 554916.3/26

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

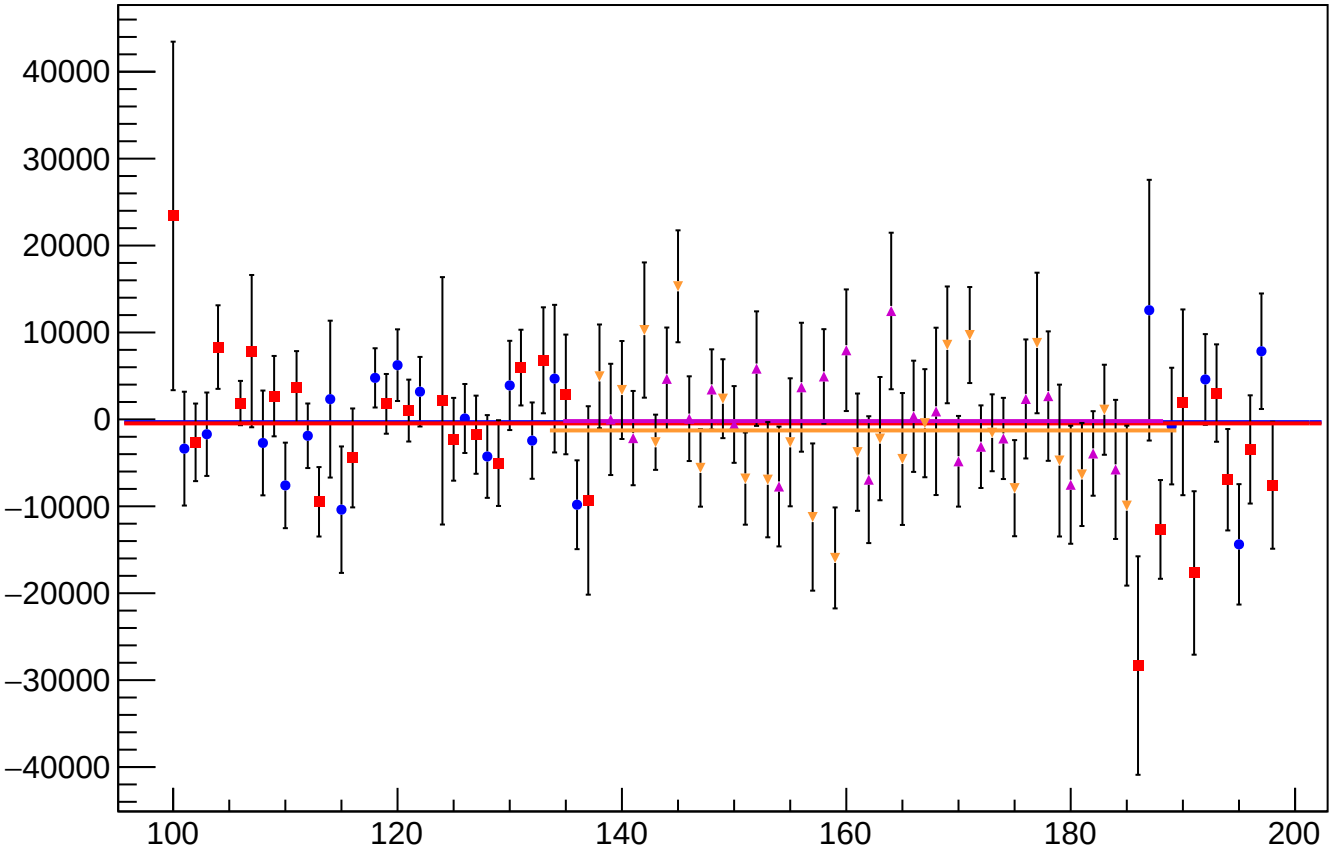
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1789.837+/-0.267 χ^2/NDF: 1229540.6/47

In: 1863.626+/-0.247 χ^2/NDF:792341.2/43

Out: 1839.214+/-0.232 χ^2/NDF:895424.3/51

All: 1850.678+/-0.169 χ^2/NDF: 1692965.0/95



Right In: -316.669+/-1115.897 χ^2/NDF: 23.0/20

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: -460.705+/-981.783 χ^2/NDF: 35.8/26

Left In: -196.917+/-1234.538 χ^2/NDF:12.7/22

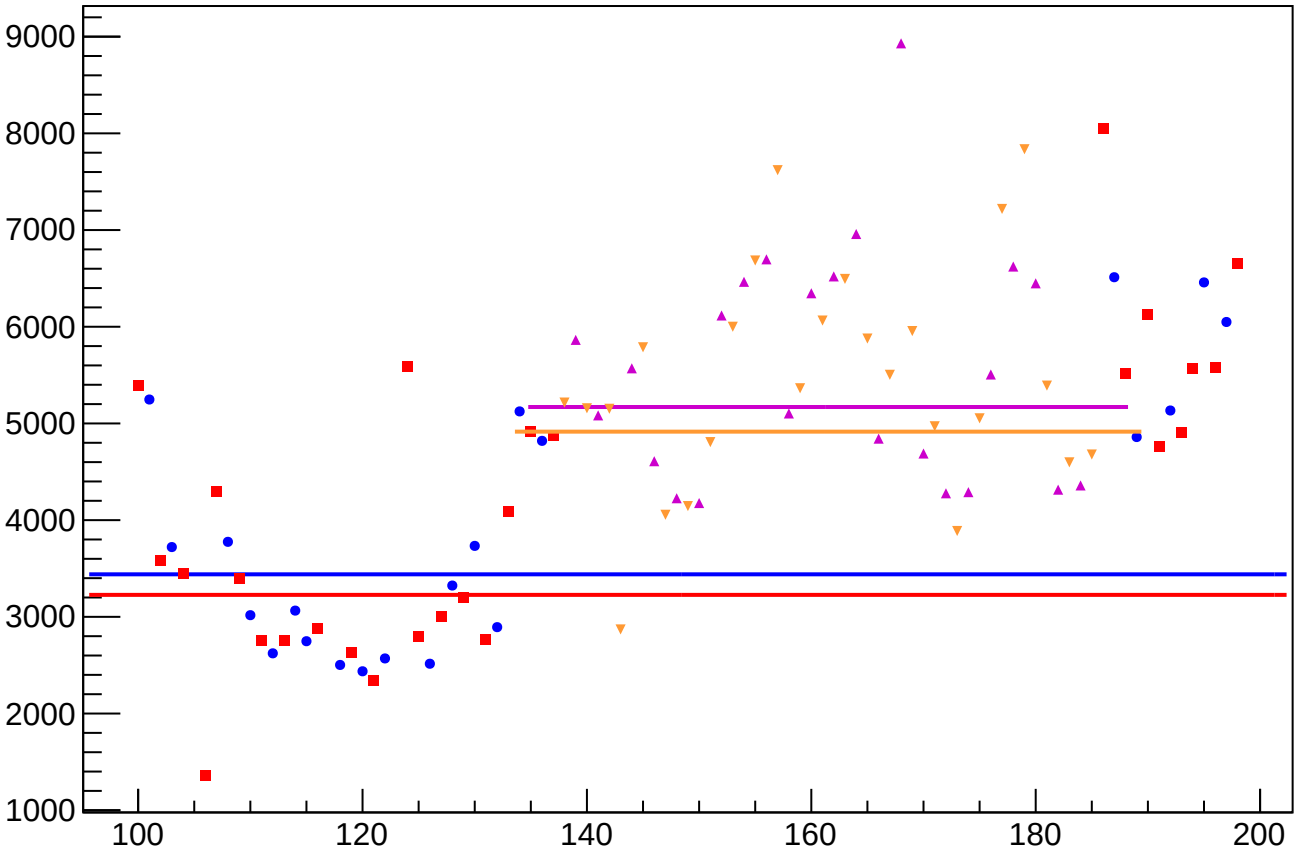
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: -397.858+/-737.105 χ^2/NDF: 58.8/47

In: -262.822+/-827.833 χ^2/NDF:35.8/43

Out: -799.689+/-748.356 χ^2/NDF:69.5/51

All: -558.258+/-555.145 χ^2/NDF: 105.4/95



Right In: 3439.718+/-0.789 χ^2/NDF: 2107139.8/20

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3227.176+/-0.694 χ^2/NDF: 3744831.1/26

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

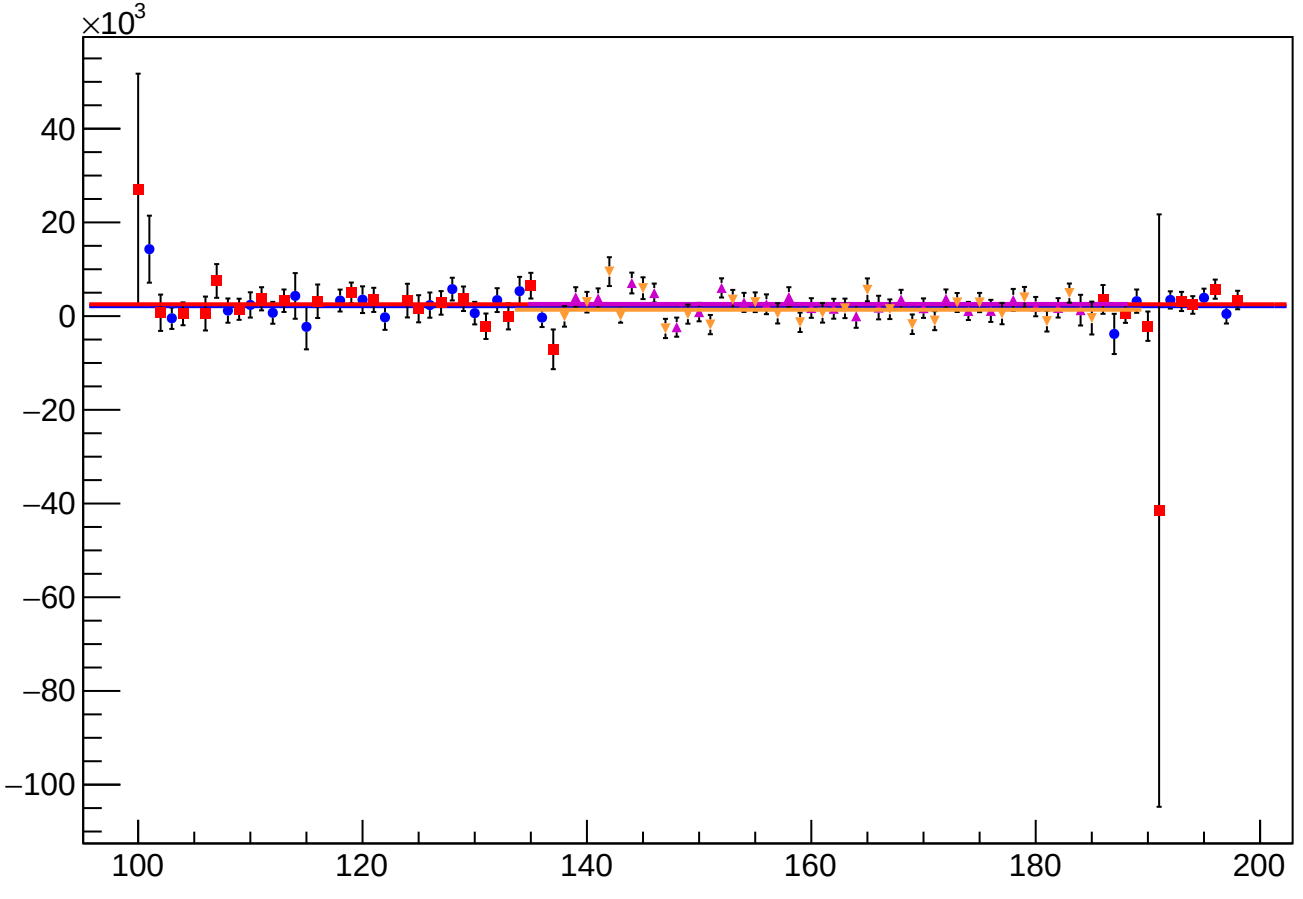
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 3319.913+/-0.521 χ^2/NDF: 5892868.8/47

In: 4217.755+/-0.585 χ^2/NDF:5618101.5/43

Out: 3934.456+/-0.529 χ^2/NDF:8388370.9/51

All: 4061.857+/-0.393 χ^2/NDF: 14135366.1/9



Right In: 2120.427+/-557.782 χ^2/NDF: 16.6/20

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: 2527.931+/-512.908 χ^2/NDF: 24.2/26

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

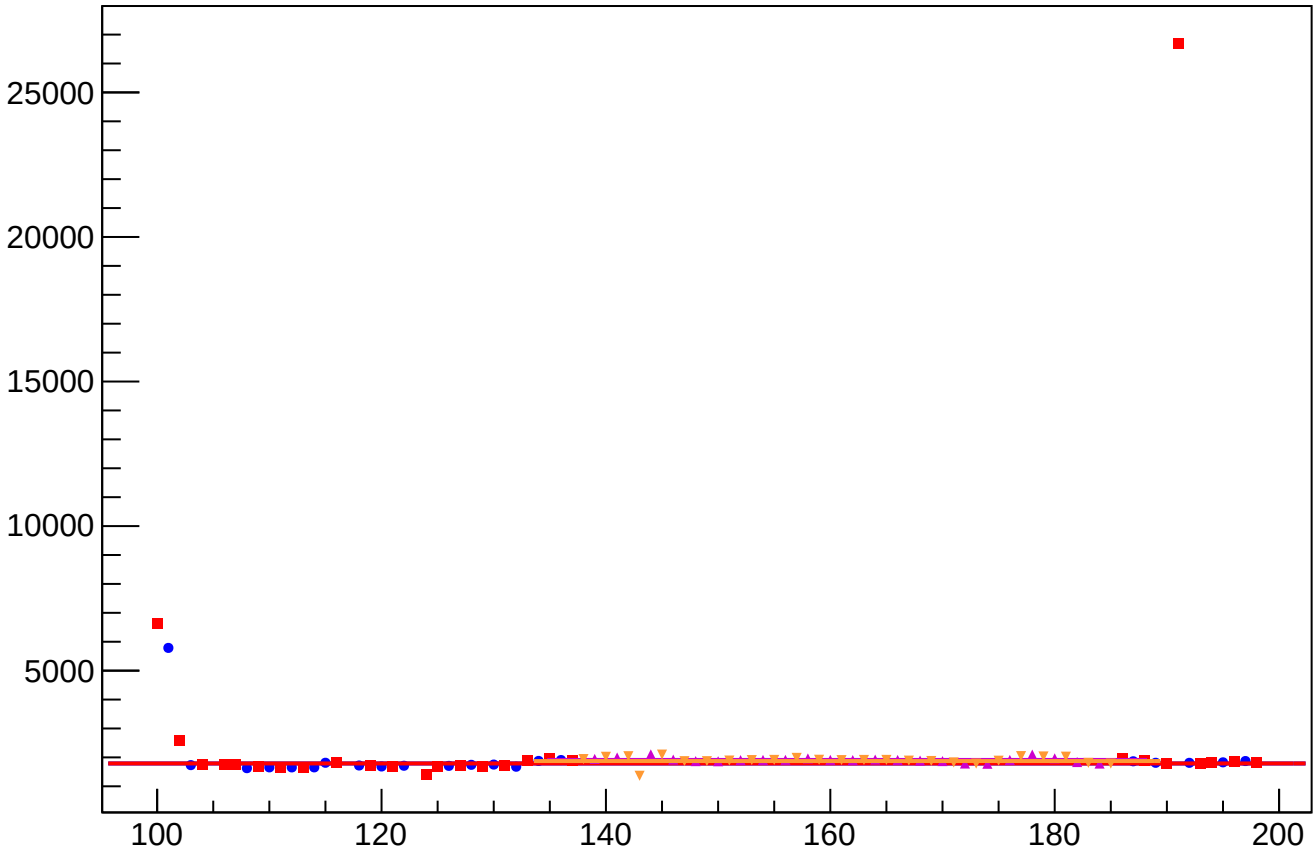
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2341.228+/-377.549 χ^2/NDF: 41.1/47

In: 2414.312+/-348.689 χ^2/NDF:37.1/43

Out: 1840.833+/-328.315 χ^2/NDF:63.3/51

All: 2110.329+/-239.032 χ^2/NDF: 101.9/95



Right In: 1789.116+/-0.394 χ^2/NDF: 674618.1/20

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1790.444+/-0.362 χ^2/NDF: 554916.3/26

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

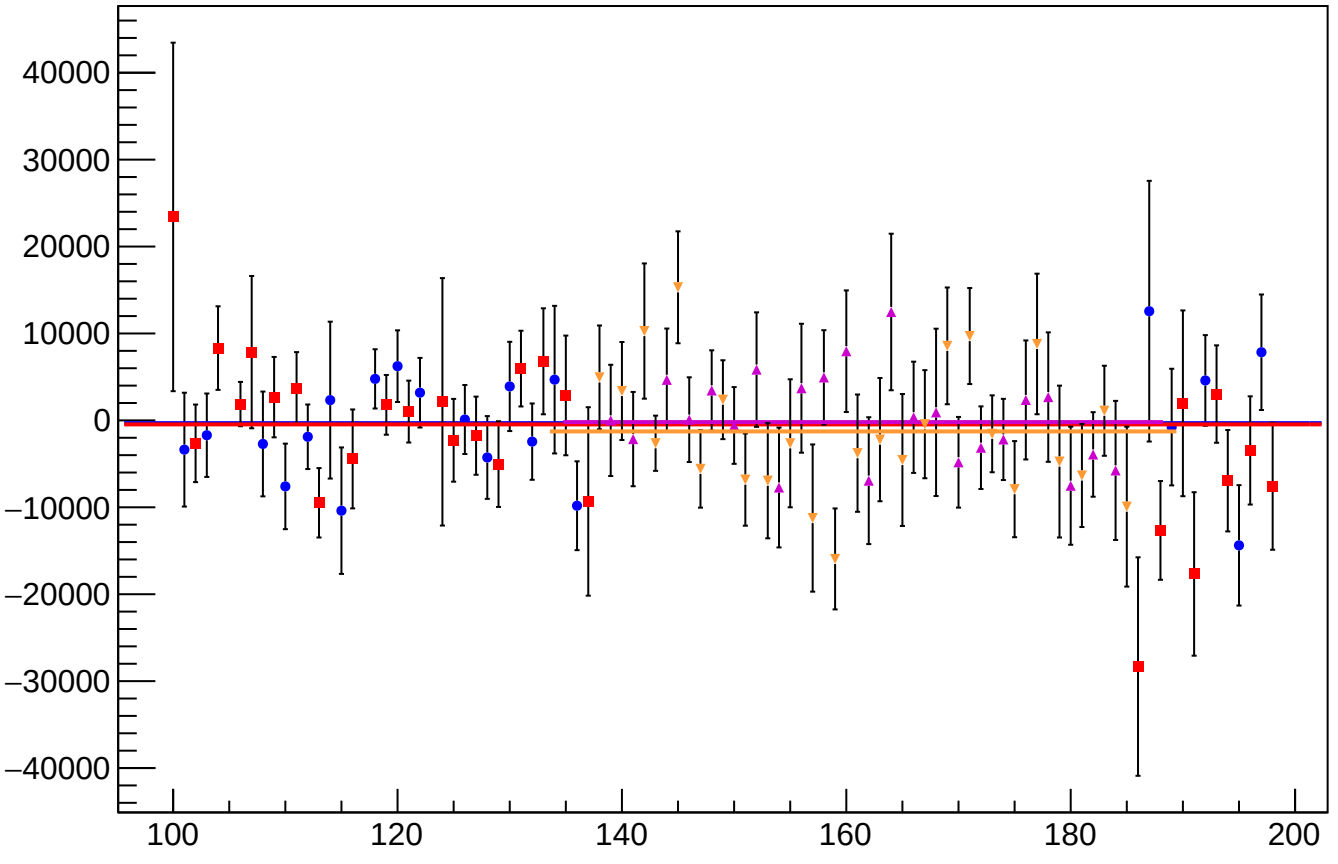
Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

Right: 1789.837+/-0.267 χ^2/NDF: 1229540.6/47

In: 1863.627+/-0.247 χ^2/NDF:792344.5/43

Out: 1839.215+/-0.232 χ^2/NDF:895428.5/51

All: 1850.679+/-0.169 χ^2/NDF: 1692972.6/95



Right In: -316.663+/-1115.894 χ^2/NDF: 23.0/20

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: -460.697+/-981.780 χ^2/NDF: 35.8/26

Left In: -196.918+/-1234.540 χ^2/NDF:12.7/22

Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

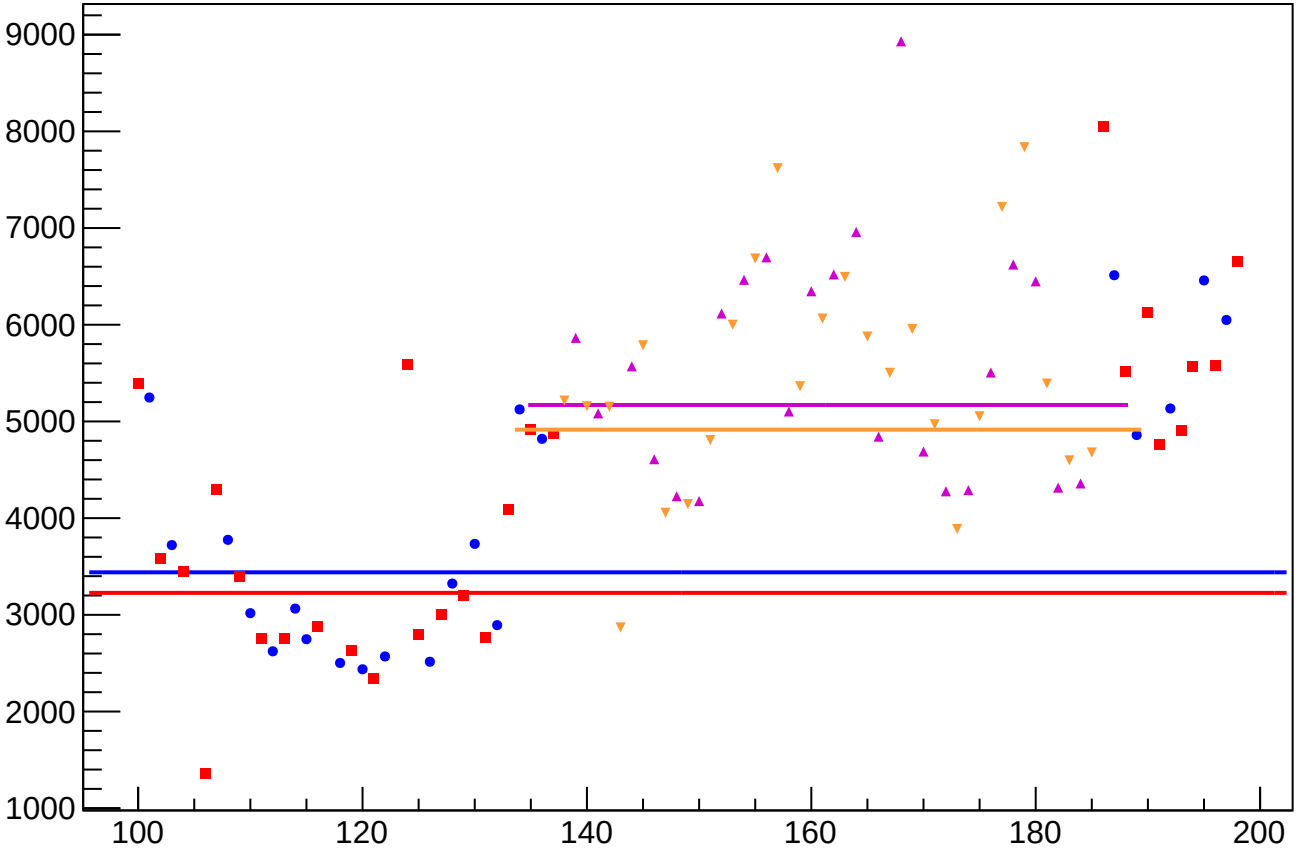
Right: -397.852+/-737.103 χ^2/NDF: 58.8/47

In: -262.820+/-827.832 χ^2/NDF:35.8/43

Out: -799.685+/-748.355 χ^2/NDF:69.5/51

All: -558.255+/-555.144 χ^2/NDF: 105.4/95

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3439.707+/-0.789 χ^2/NDF: 2107167.7/20

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3227.162+/-0.694 χ^2/NDF: 3744879.1/26

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

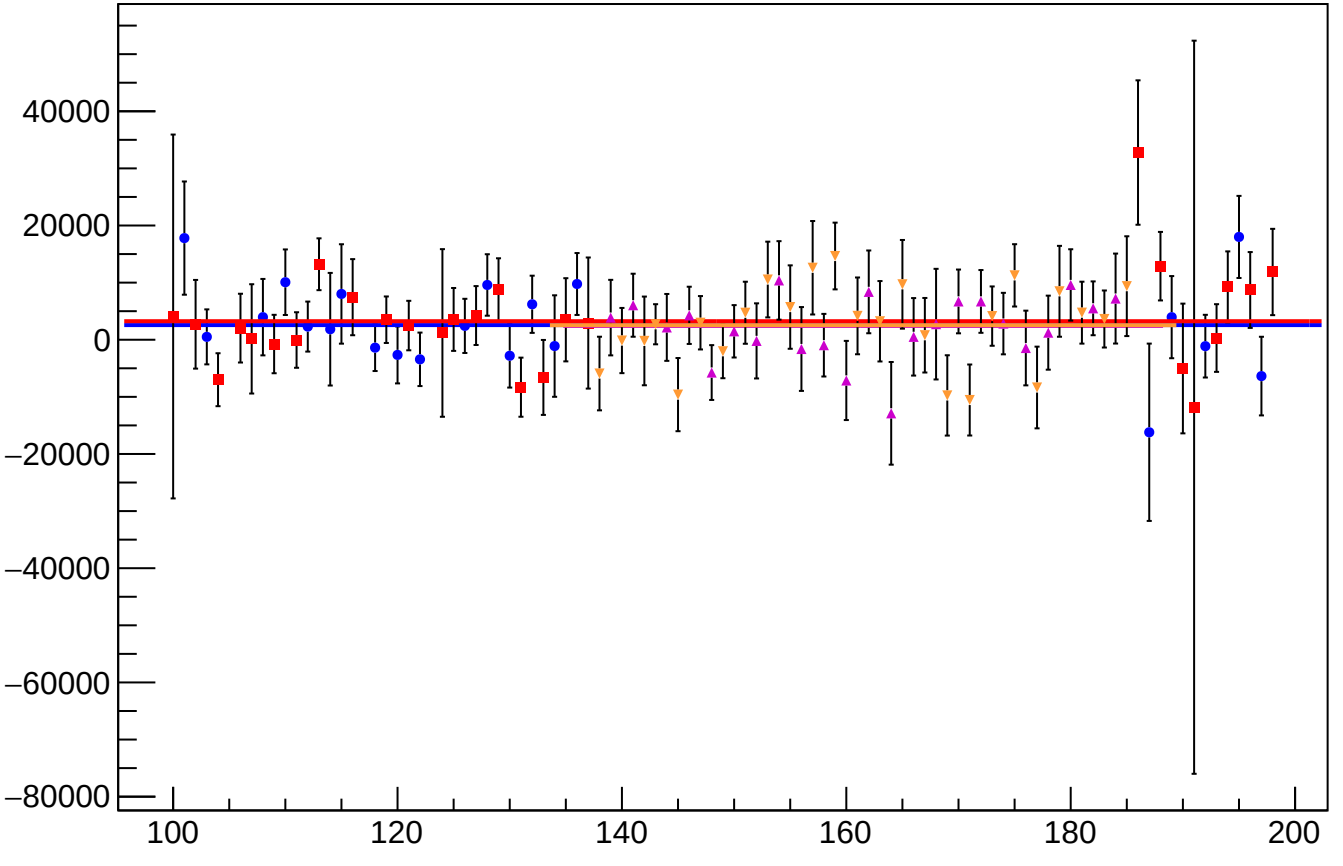
Right: 3319.901+/-0.521 χ^2/NDF: 5892945.8/47

In: 4217.749+/-0.585 χ^2/NDF:5618179.9/43

Out: 3934.447+/-0.529 χ^2/NDF:8388487.0/51

All: 4061.849+/-0.393 χ^2/NDF: 14135563.1/9

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2565.360+/-1267.627 χ^2/NDF: 21.7/20

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: 3245.287+/-1195.713 χ^2/NDF: 31.4/26

Left In: 2423.016+/-1259.653 χ^2/NDF:15.0/22

Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

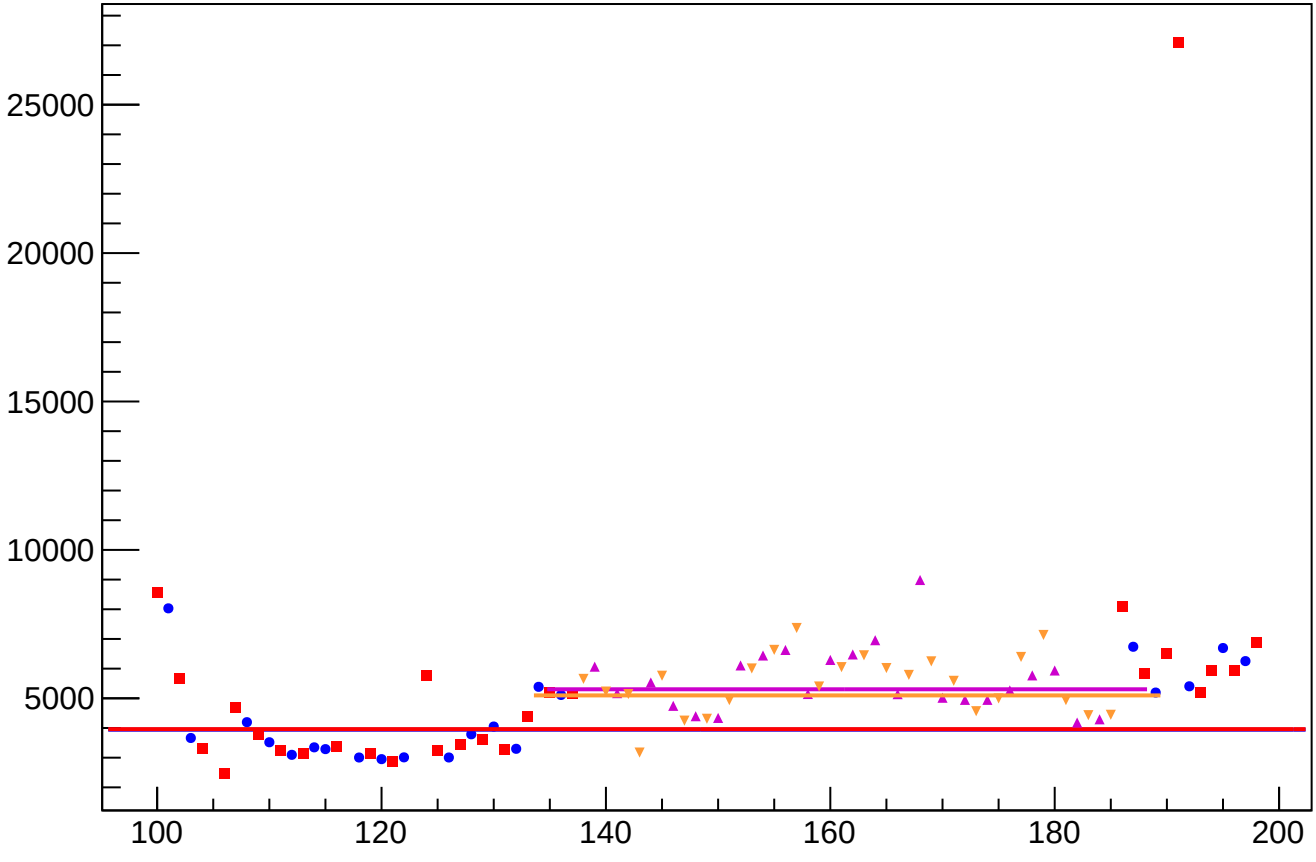
Right: 2925.156+/-869.810 χ^2/NDF: 53.3/47

In: 2493.739+/-893.515 χ^2/NDF:36.7/43

Out: 2893.822+/-842.638 χ^2/NDF:60.7/51

All: 2705.495+/-613.033 χ^2/NDF: 97.5/95

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3943.240+/-0.896 χ^2/NDF: 1762989.9/20

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

Right Out: 3961.225+/-0.835 χ^2/NDF: 2488771.3/26

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

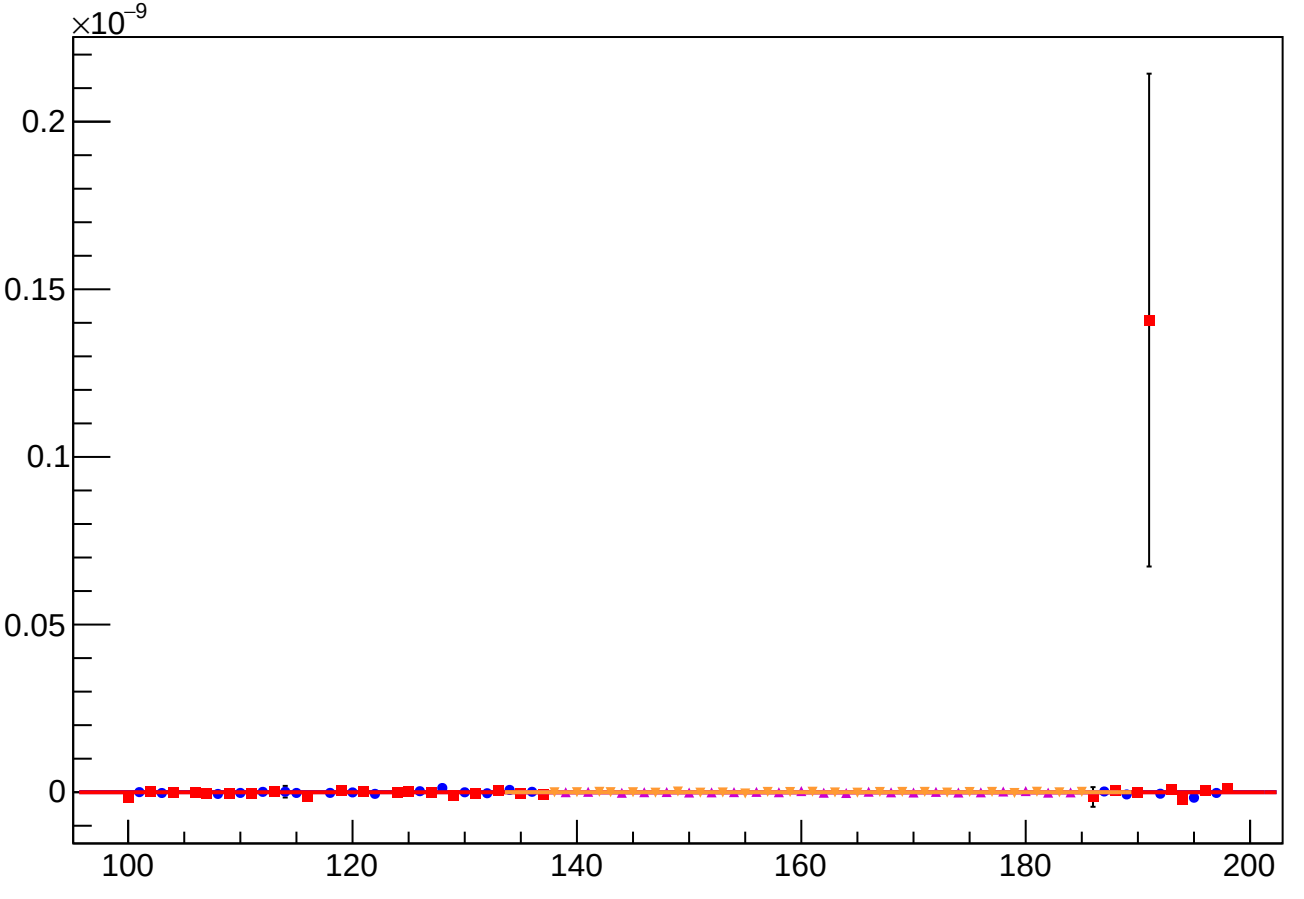
Left: 5195.024+/-0.611 χ^2/NDF: 2590724.7/47

Right: 3952.868+/-0.611 χ^2/NDF: 4251976.7/47

In: 4627.998+/-0.632 χ^2/NDF:3940867.4/43

Out: 4526.427+/-0.592 χ^2/NDF:4954414.1/51

All: 4573.926+/-0.432 χ^2/NDF: 8909040.0/95



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.7/26

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

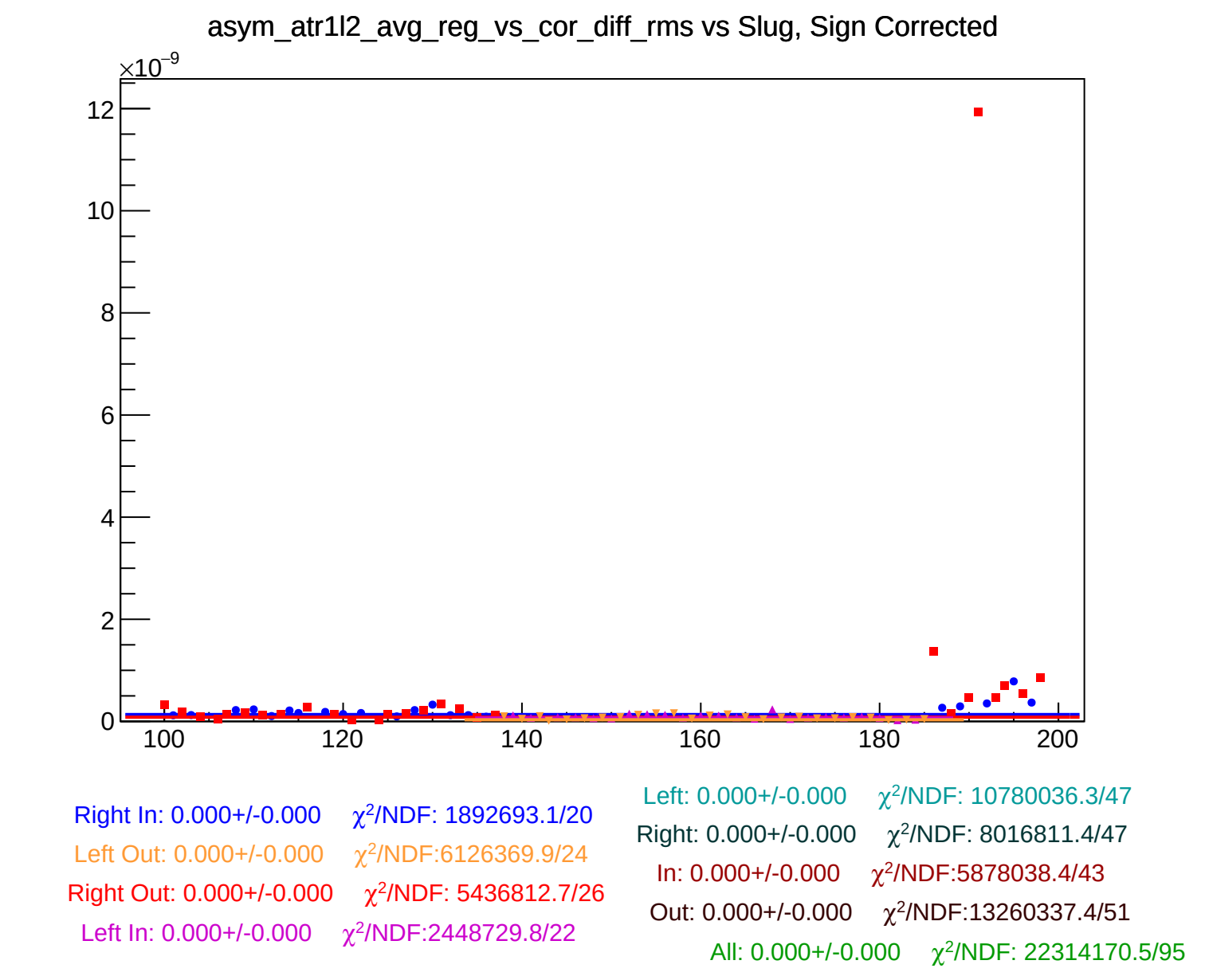
Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

Right: -0.000+/-0.000 χ^2/NDF: 57.7/47

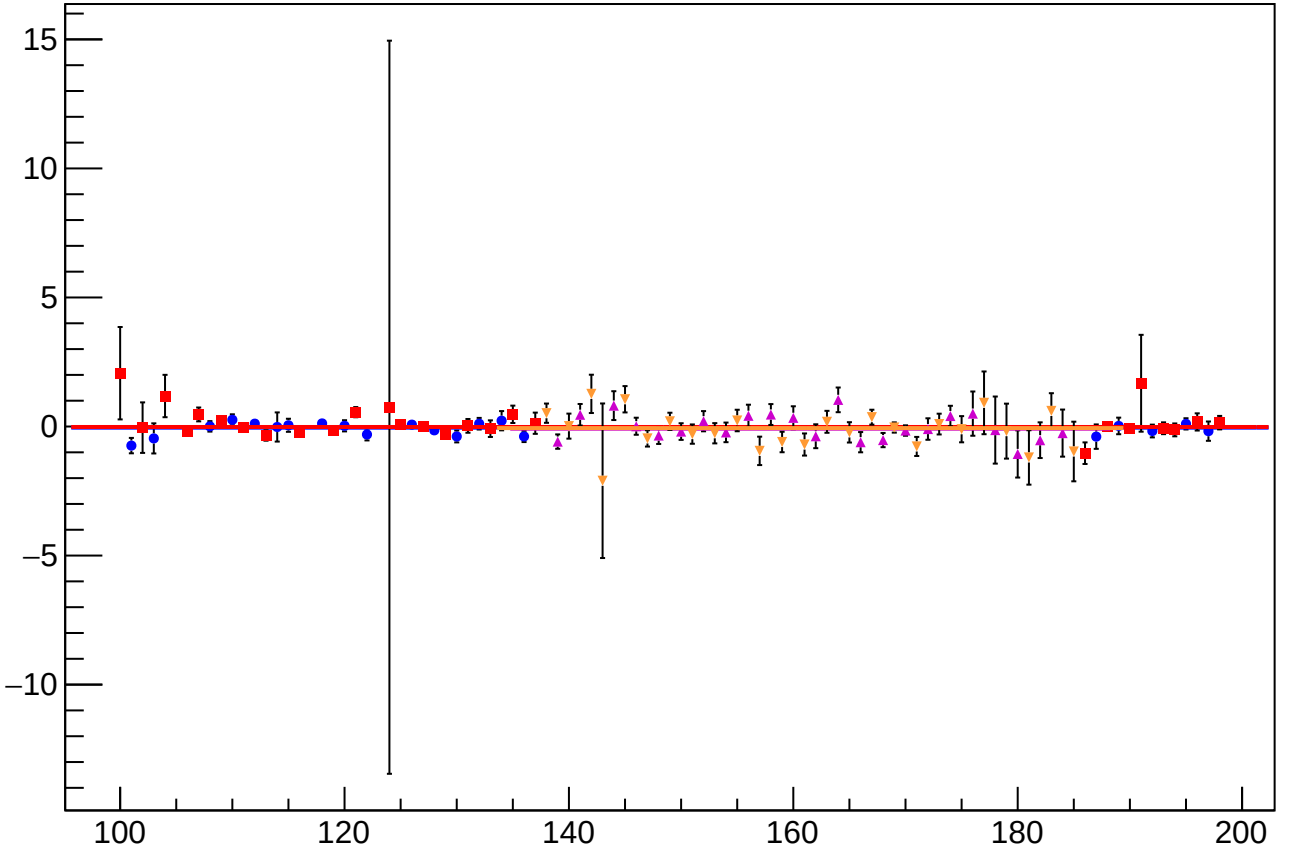
In: 0.000+/-0.000 χ^2/NDF:44.8/43

Out: 0.000+/-0.000 χ^2/NDF:51.1/51

All: 0.000+/-0.000 χ^2/NDF: 95.9/95


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: 1892693.1/20
Left Out: 0.000+/-0.000 χ²/NDF:6126369.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 5436812.7/26
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: 8016811.4/47
In: 0.000+/-0.000 χ²/NDF:5878038.4/43
Out: 0.000+/-0.000 χ²/NDF:13260337.4/51
All: 0.000+/-0.000 χ²/NDF: 22314170.5/95

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.043+/-0.051 χ^2/NDF: 19.4/20

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.018+/-0.043 χ^2/NDF: 36.7/26

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

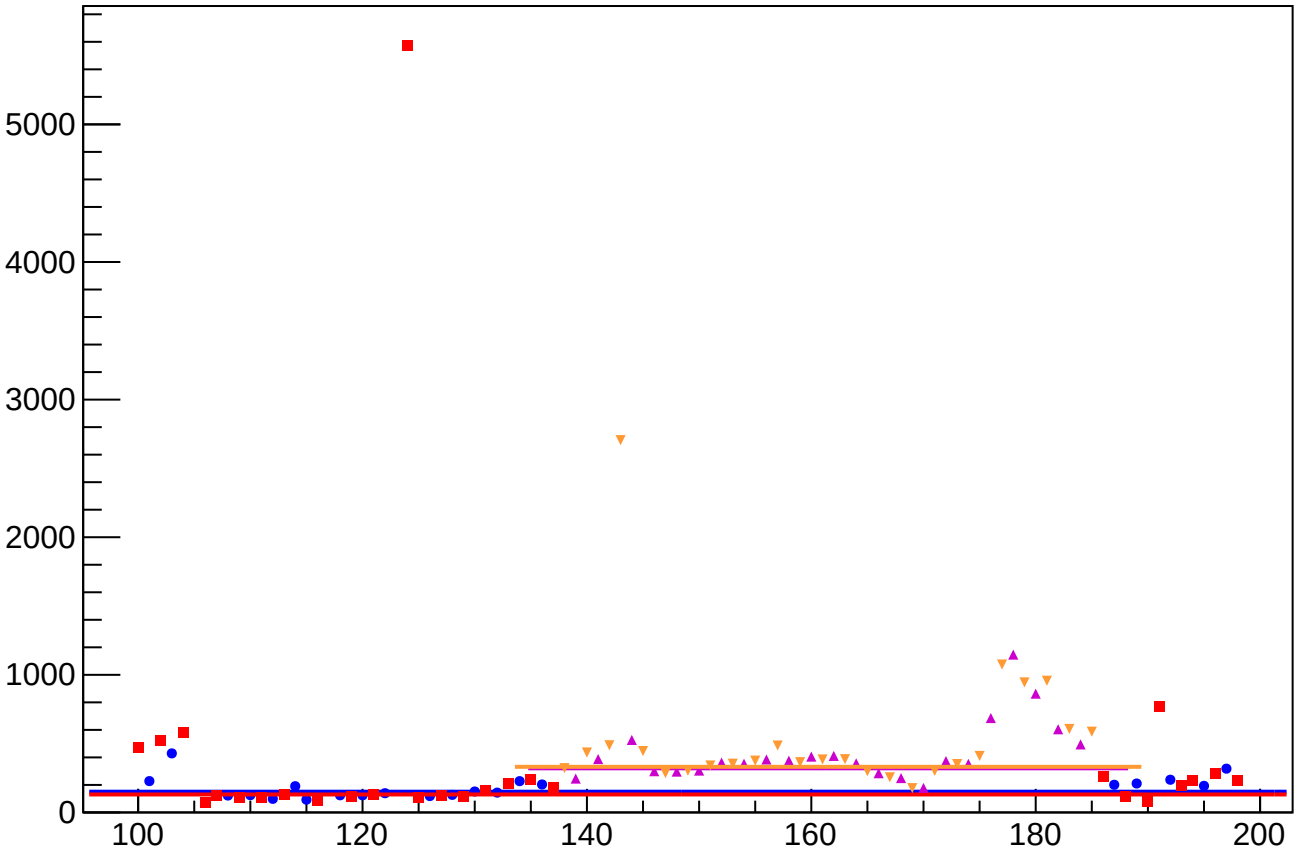
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: -0.028+/-0.033 χ^2/NDF: 56.2/47

In: -0.054+/-0.043 χ^2/NDF:46.6/43

Out: -0.027+/-0.038 χ^2/NDF:67.7/51

All: -0.039+/-0.029 χ^2/NDF: 114.5/95



Right In: 150.822+/-0.036 χ^2/NDF: 2197673.8/20

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 130.741+/-0.030 χ^2/NDF: 4087960.9/26

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

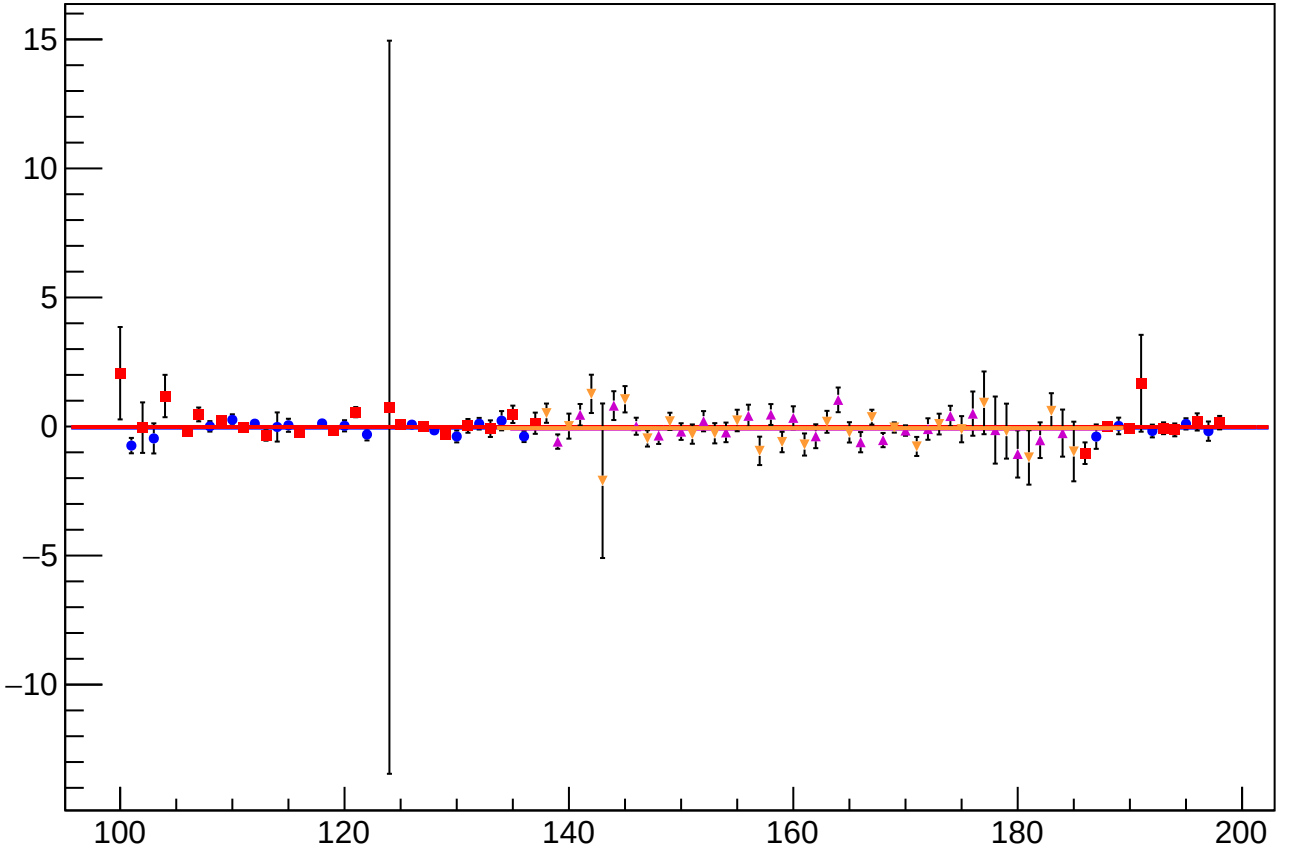
Right: 138.973+/-0.023 χ^2/NDF: 6466275.9/47

In: 199.377+/-0.031 χ^2/NDF:12709880.9/43

Out: 172.362+/-0.027 χ^2/NDF:19063965.9/51

All: 184.124+/-0.020 χ^2/NDF: 32211845.5/95

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.043+/-0.051 χ^2/NDF: 19.4/20

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.018+/-0.043 χ^2/NDF: 36.7/26

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

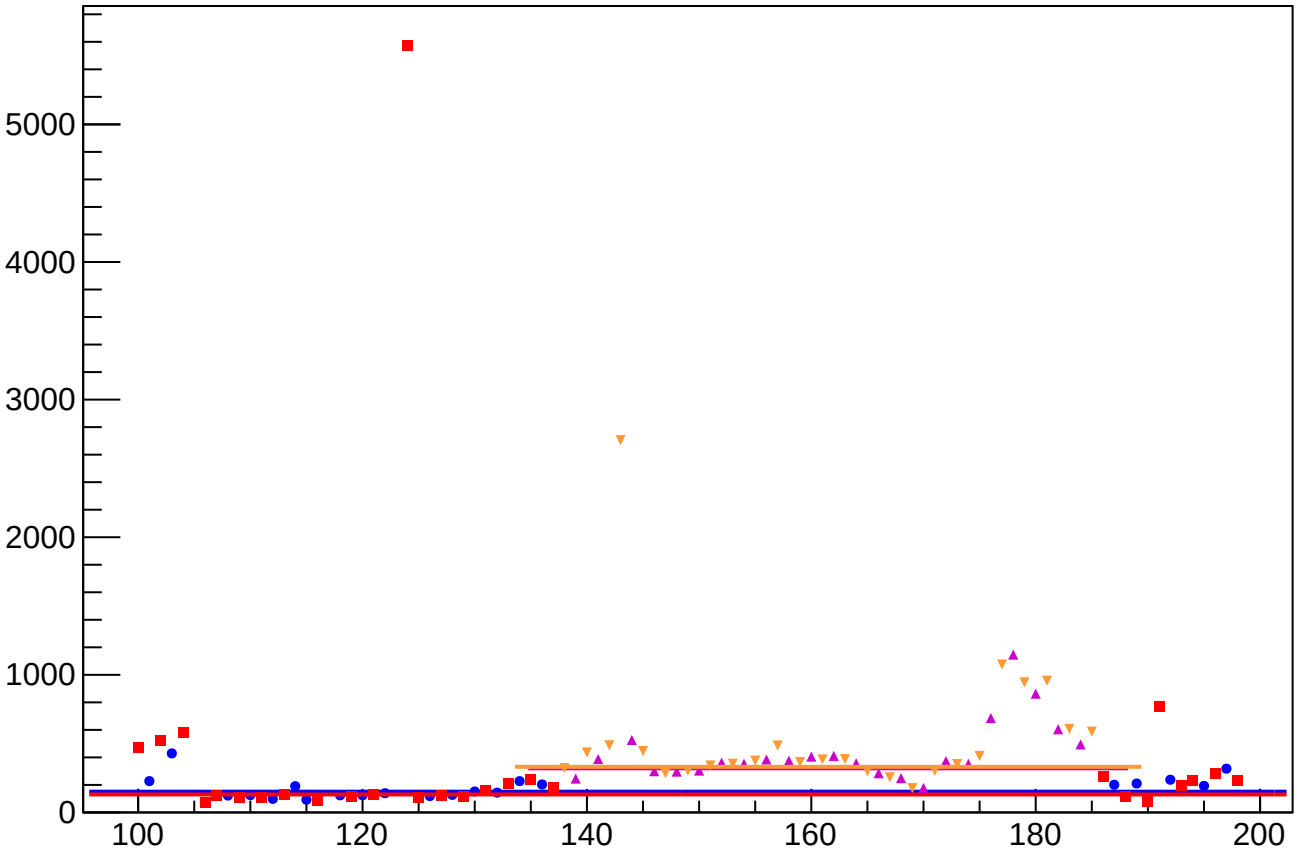
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: -0.028+/-0.033 χ^2/NDF: 56.2/47

In: -0.054+/-0.043 χ^2/NDF:46.6/43

Out: -0.027+/-0.038 χ^2/NDF:67.7/51

All: -0.039+/-0.029 χ^2/NDF: 114.5/95



Right In: 150.822+/-0.036 χ^2/NDF: 2197673.8/20

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 130.741+/-0.030 χ^2/NDF: 4087960.9/26

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

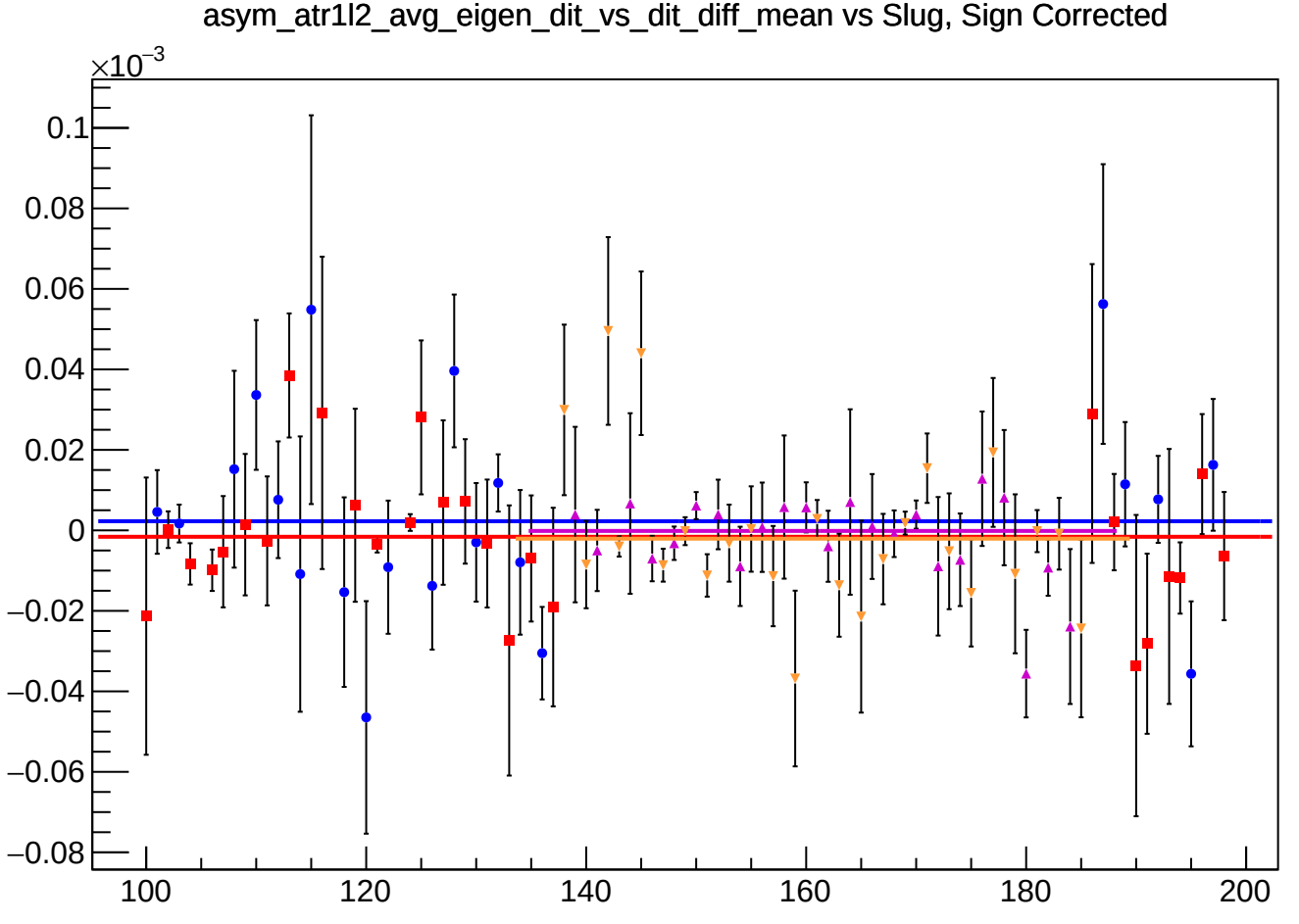
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

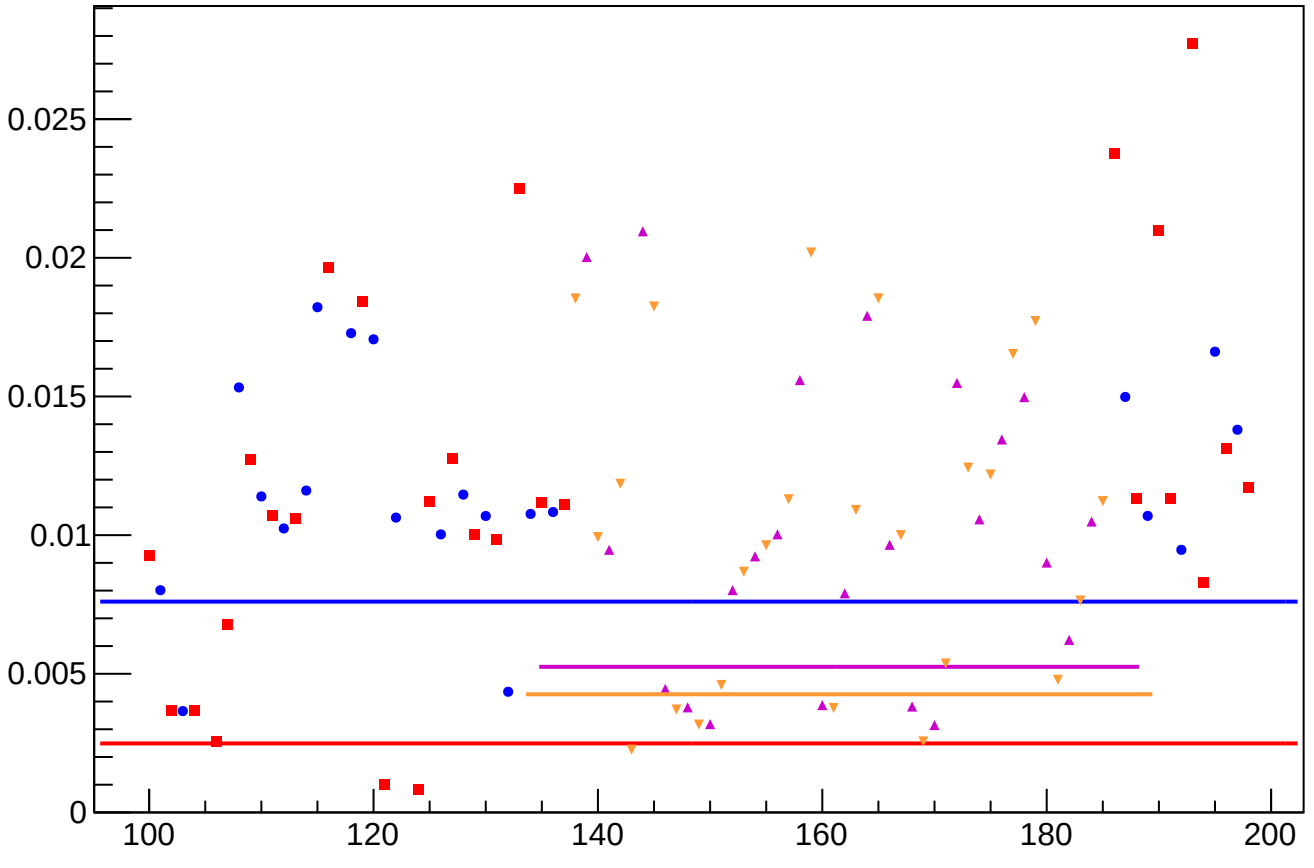
Right: 138.973+/-0.023 χ^2/NDF: 6466275.9/47

In: 199.377+/-0.031 χ^2/NDF:12709880.9/43

Out: 172.362+/-0.027 χ^2/NDF:19063965.9/51

All: 184.124+/-0.020 χ^2/NDF: 32211845.5/95


asym_atr1l2_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: 32.0/20
Left Out: -0.000+/-0.000 χ²/NDF:34.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/26
Left In: -0.000+/-0.000 χ²/NDF:24.9/22
Left: -0.000+/-0.000 χ²/NDF: 60.6/47
Right: -0.000+/-0.000 χ²/NDF: 59.5/47
In: 0.000+/-0.000 χ²/NDF:57.5/43
Out: -0.000+/-0.000 χ²/NDF:60.7/51
All: -0.000+/-0.000 χ²/NDF: 120.2/95



Right In: 0.008+/-0.000 χ^2/NDF: 4377571.0/20

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 15640120.8/26

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

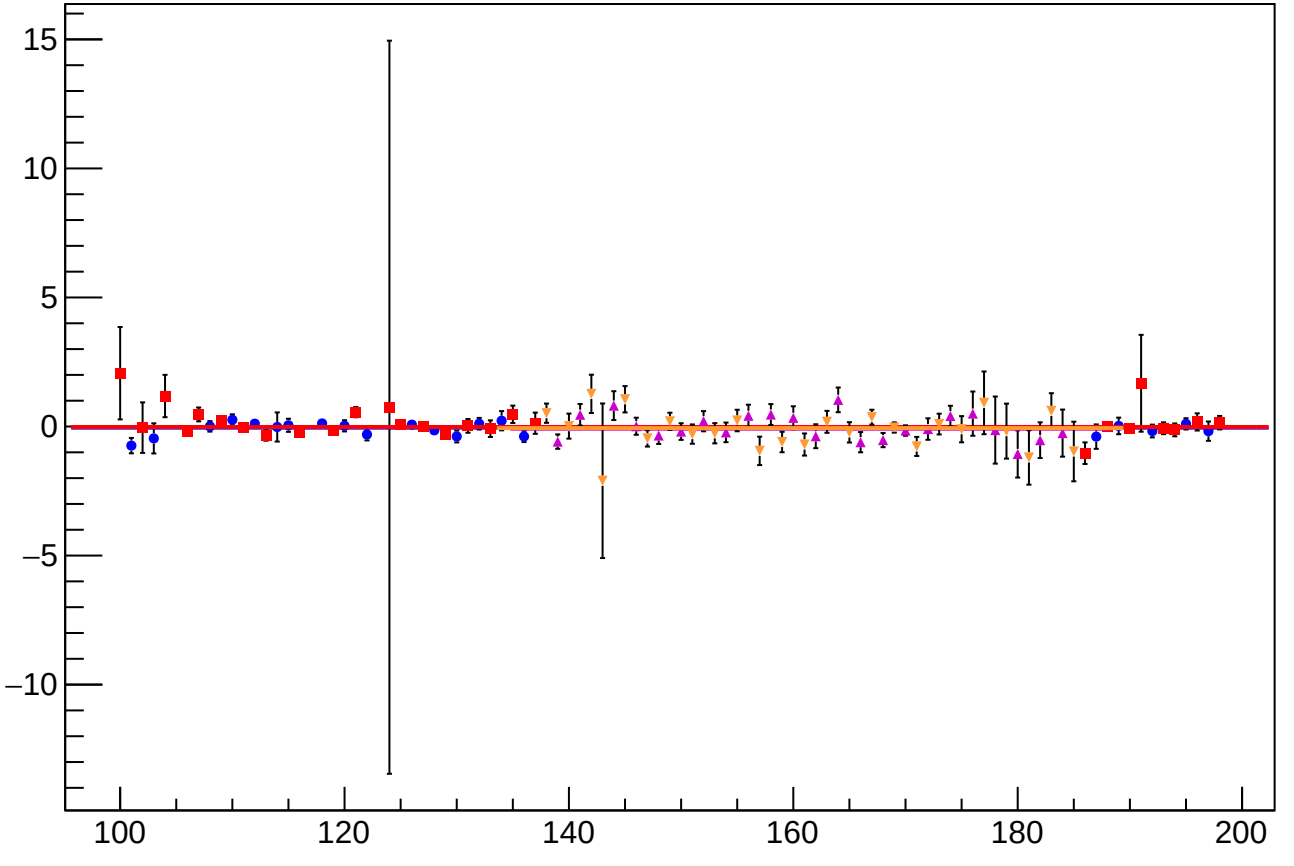
Right: 0.003+/-0.000 χ^2/NDF: 25851745.7/47

In: 0.006+/-0.000 χ^2/NDF:15040380.0/43

Out: 0.003+/-0.000 χ^2/NDF:30668478.5/51

All: 0.004+/-0.000 χ^2/NDF: 50447496.4/95

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.043+/-0.051 χ^2/NDF: 19.4/20

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.018+/-0.043 χ^2/NDF: 36.7/26

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

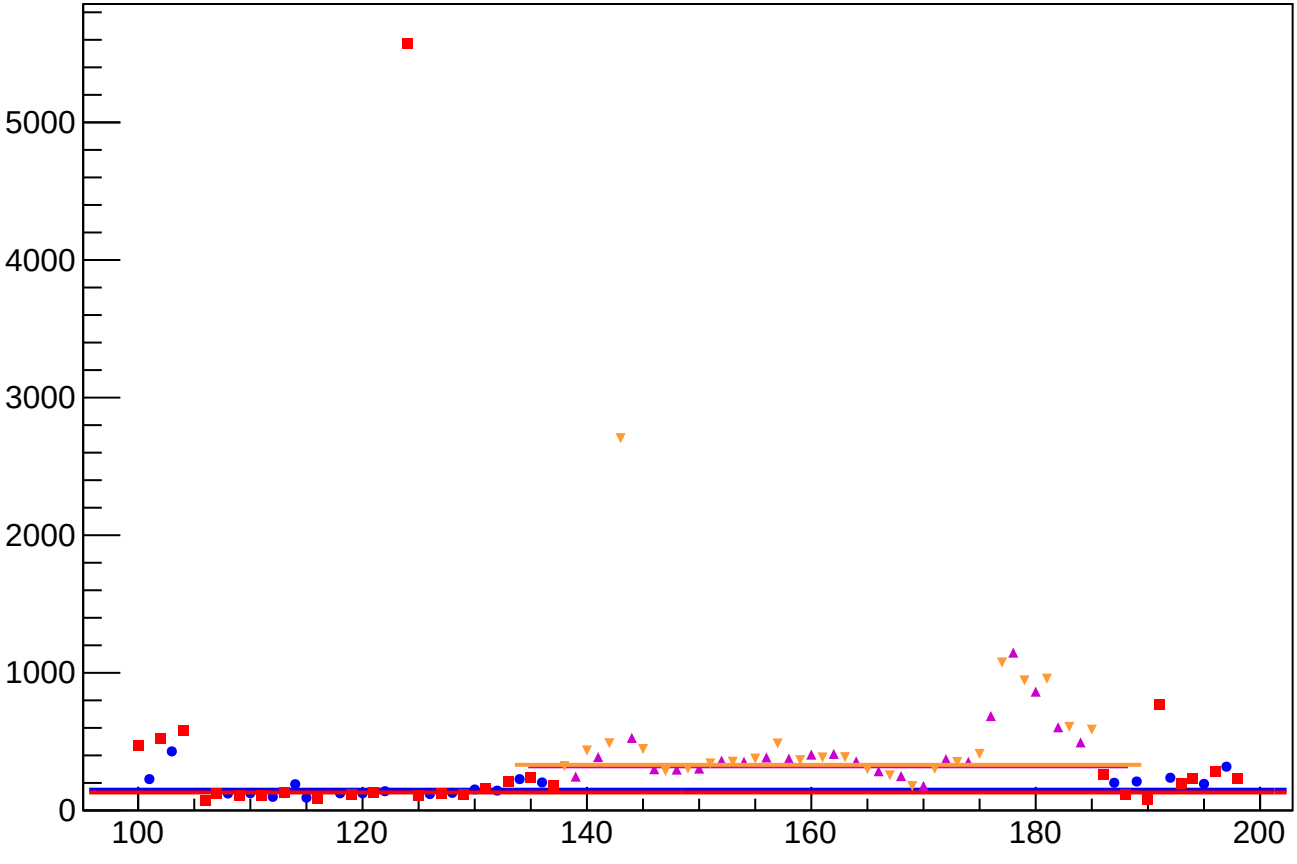
Right: -0.028+/-0.033 χ^2/NDF: 56.2/47

In: -0.054+/-0.043 χ^2/NDF:46.6/43

Out: -0.027+/-0.038 χ^2/NDF:67.7/51

All: -0.039+/-0.029 χ^2/NDF: 114.5/95

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 150.823+/-0.036 χ^2/NDF: 2197590.8/20

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 130.741+/-0.030 χ^2/NDF: 4087922.0/26

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

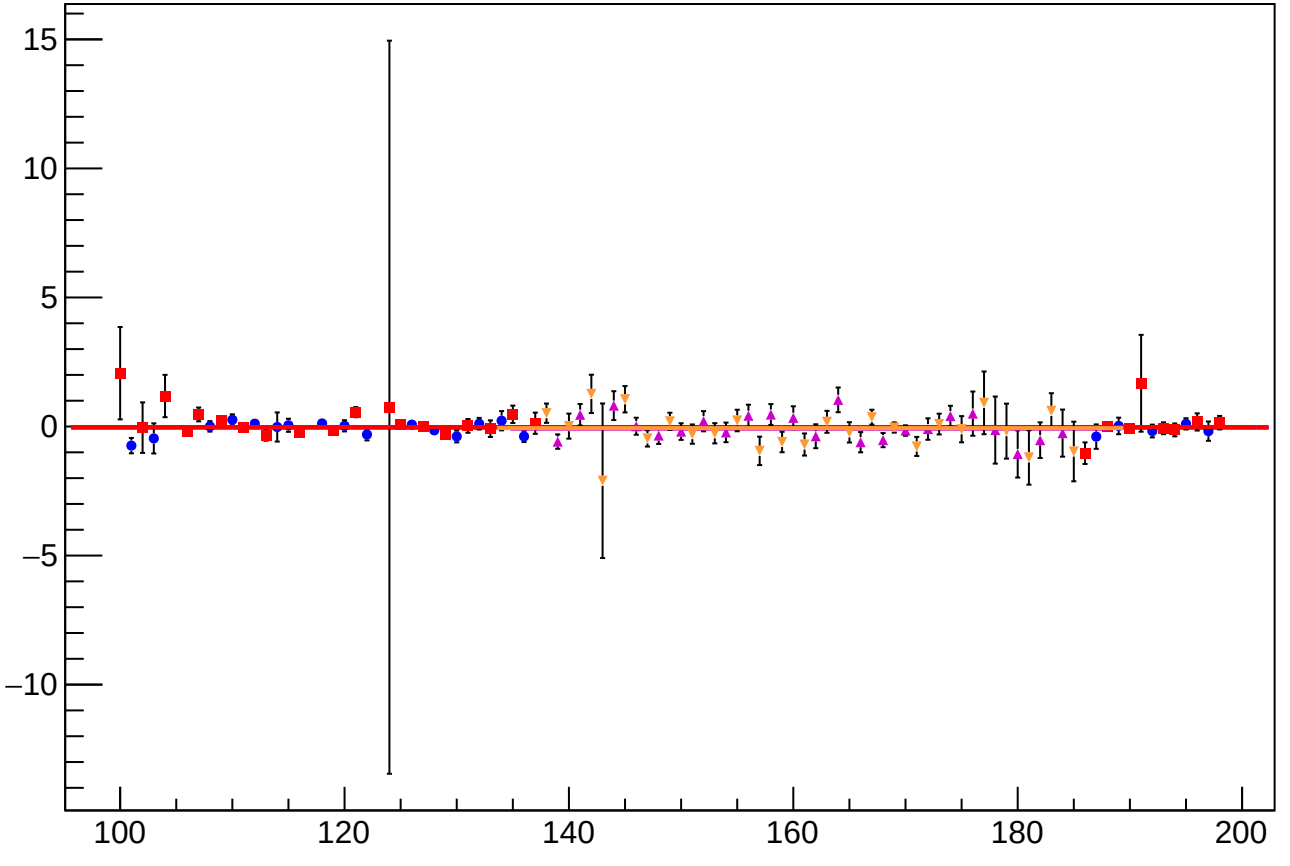
Right: 138.973+/-0.023 χ^2/NDF: 6466178.3/47

In: 199.378+/-0.031 χ^2/NDF:12709848.5/43

Out: 172.361+/-0.027 χ^2/NDF:19064119.9/51

All: 184.125+/-0.020 χ^2/NDF: 32212018.7/95

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.043+/-0.051 χ^2/NDF: 19.4/20

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.018+/-0.043 χ^2/NDF: 36.7/26

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

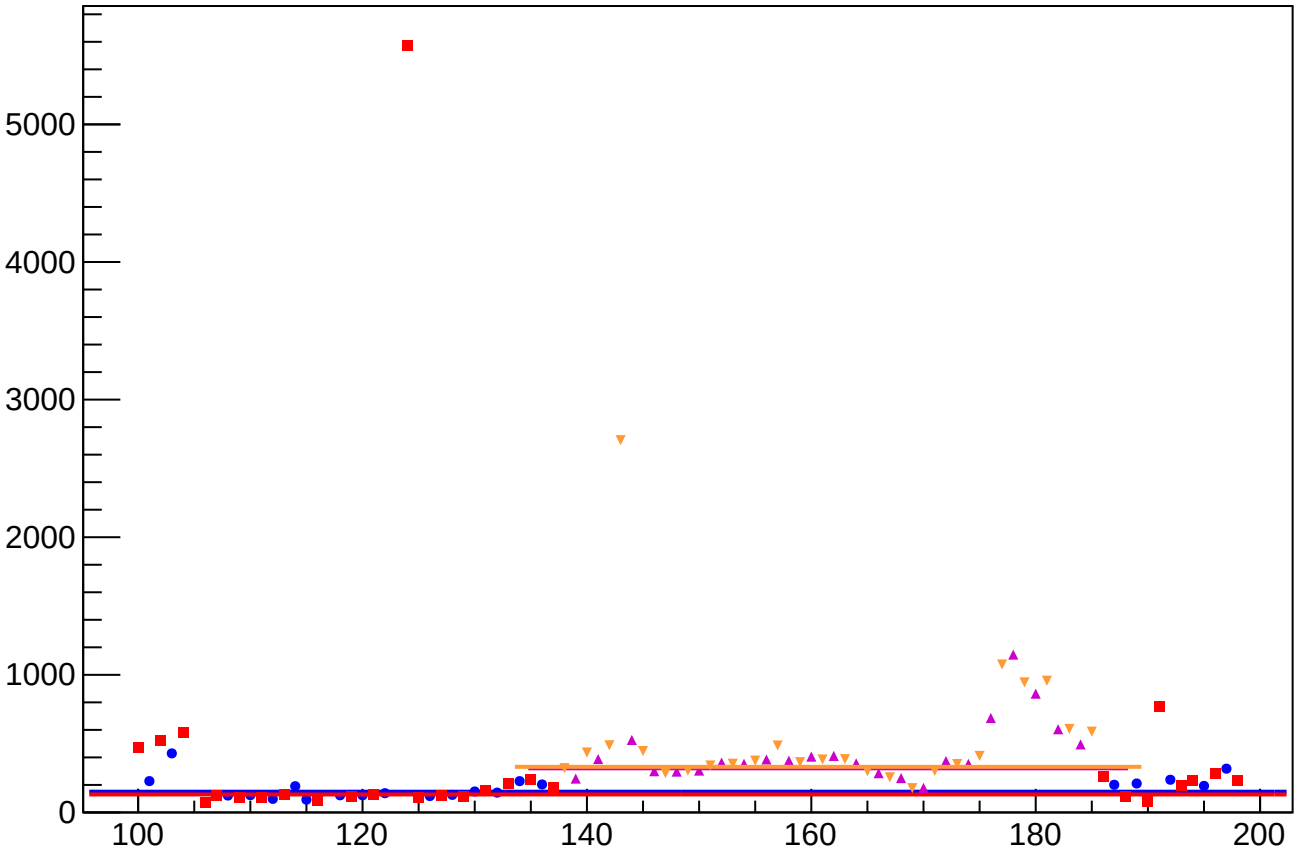
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: -0.028+/-0.033 χ^2/NDF: 56.2/47

In: -0.054+/-0.043 χ^2/NDF:46.6/43

Out: -0.027+/-0.038 χ^2/NDF:67.7/51

All: -0.039+/-0.029 χ^2/NDF: 114.5/95



Right In: 150.823+/-0.036 χ^2/NDF: 2197590.8/20

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 130.741+/-0.030 χ^2/NDF: 4087922.0/26

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

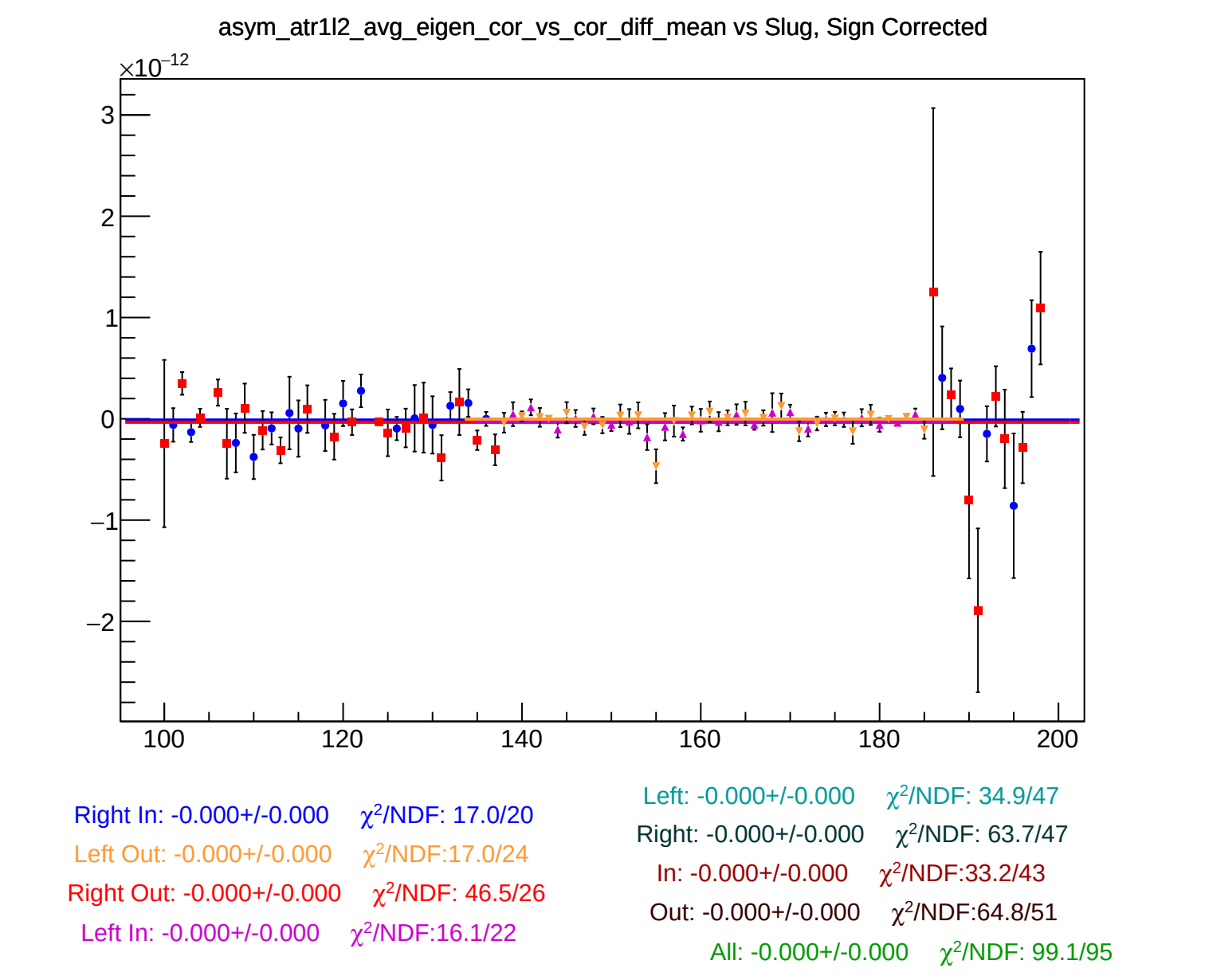
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

Right: 138.973+/-0.023 χ^2/NDF: 6466178.3/47

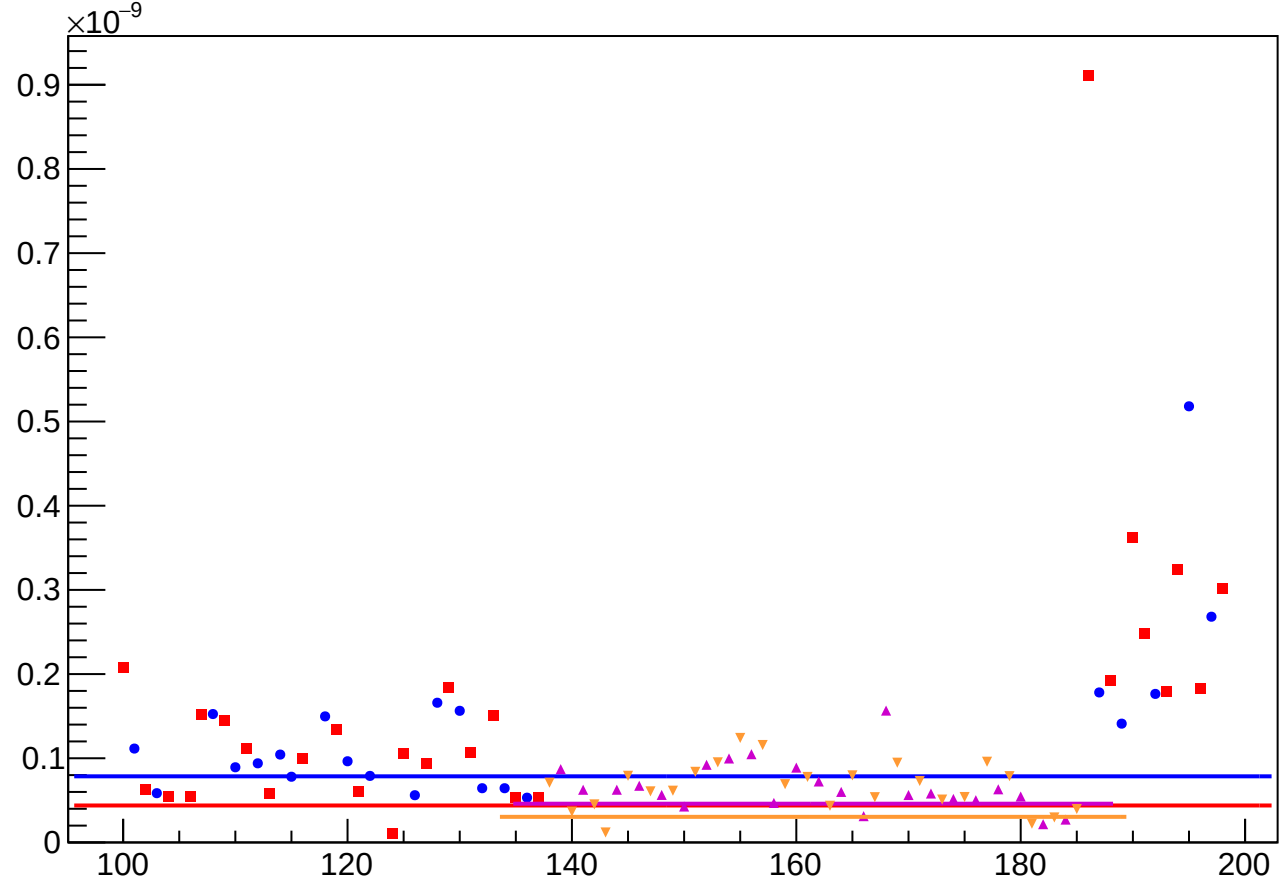
In: 199.378+/-0.031 χ^2/NDF:12709848.5/43

Out: 172.361+/-0.027 χ^2/NDF:19064119.9/51

All: 184.125+/-0.020 χ^2/NDF: 32212018.7/95


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: 17.0/20
Left Out: -0.000+/-0.000 χ²/NDF:17.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 46.5/26
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: 63.7/47
In: -0.000+/-0.000 χ²/NDF:33.2/43
Out: -0.000+/-0.000 χ²/NDF:64.8/51
All: -0.000+/-0.000 χ²/NDF: 99.1/95

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2684087.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7761953.4/26

Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

Left: 0.000+/-0.000 χ^2/NDF: 16912386.2/47

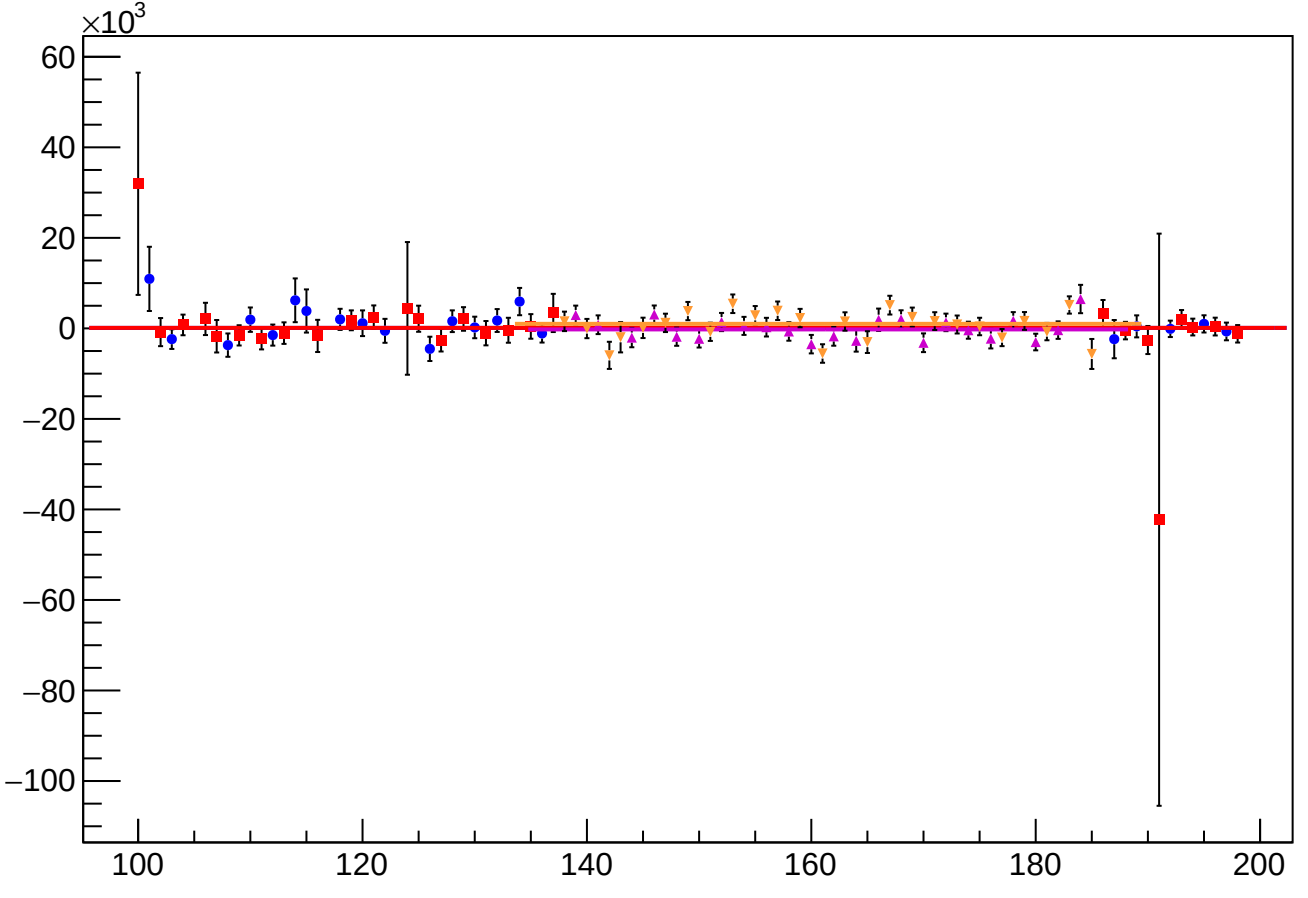
Right: 0.000+/-0.000 χ^2/NDF: 11678384.2/47

In: 0.000+/-0.000 χ^2/NDF:8968333.1/43

Out: 0.000+/-0.000 χ^2/NDF:18769138.2/51

All: 0.000+/-0.000 χ^2/NDF: 30048329.3/95

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 104.763+/-549.227 χ^2/NDF: 18.4/20

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: 112.047+/-508.167 χ^2/NDF: 12.7/26

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

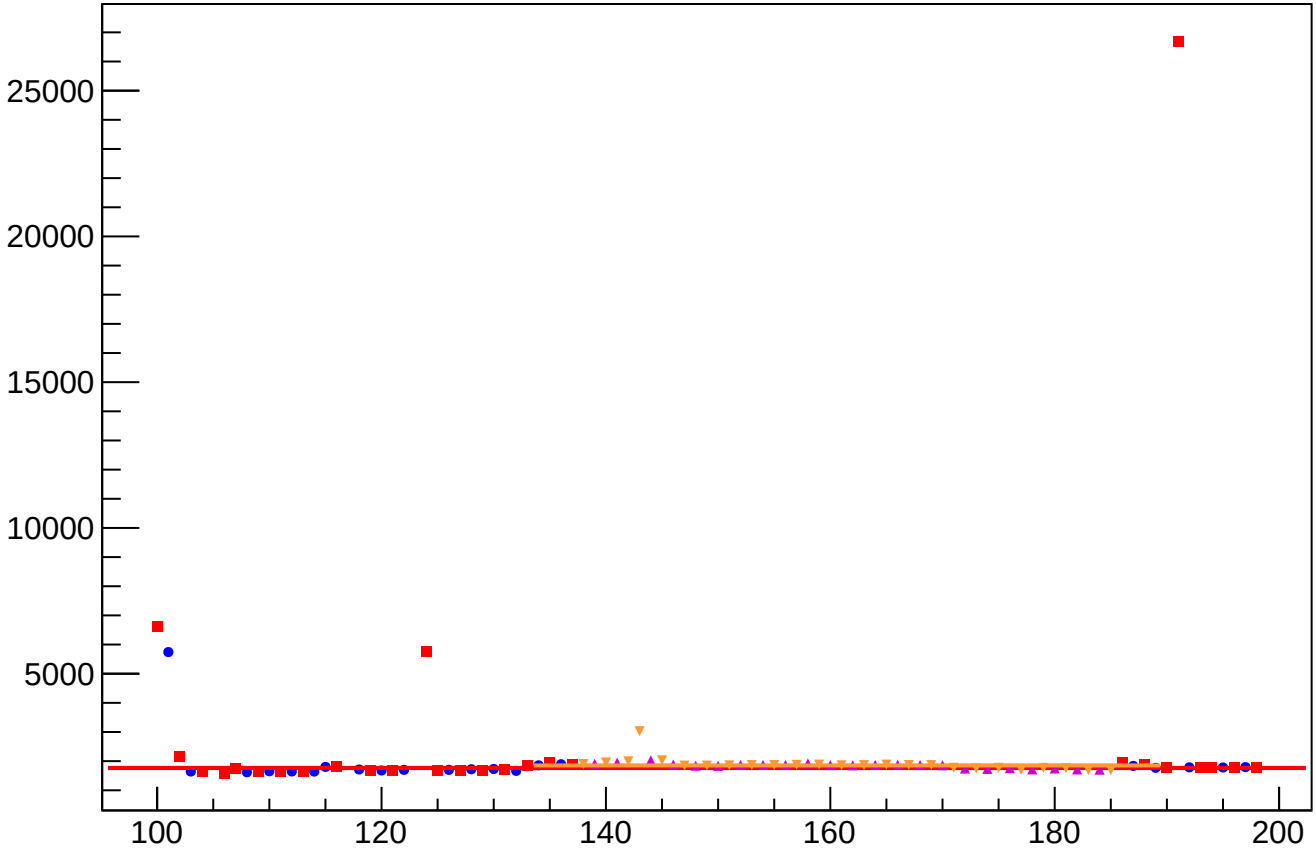
Right: 108.688+/-373.001 χ^2/NDF: 31.1/47

In: -102.472+/-338.429 χ^2/NDF:45.0/43

Out: 639.451+/-324.916 χ^2/NDF:61.9/51

All: 283.596+/-234.382 χ^2/NDF: 109.4/95

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.040+/-0.388 χ^2/NDF: 672053.2/20

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1768.959+/-0.358 χ^2/NDF: 637965.2/26

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

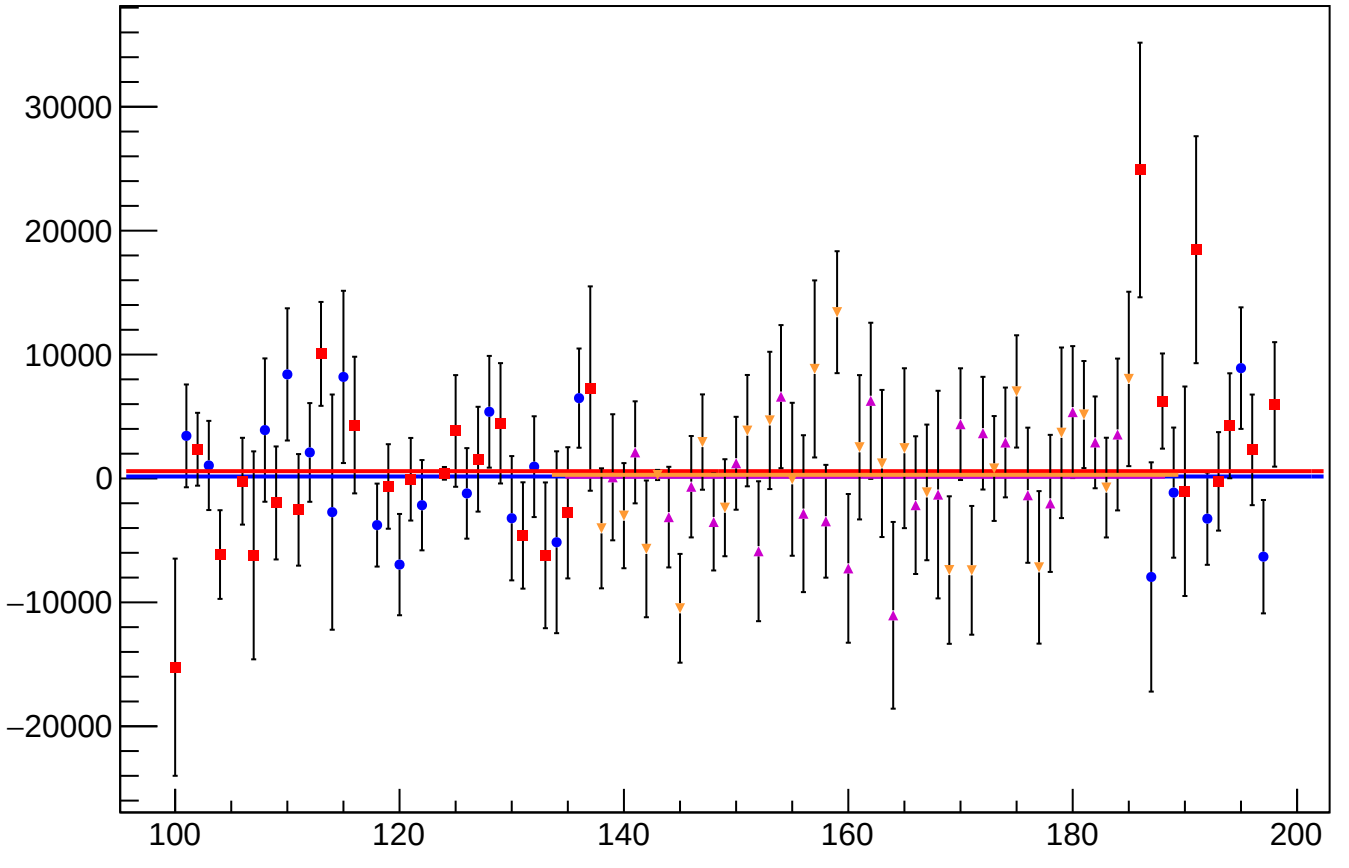
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1765.783+/-0.263 χ^2/NDF: 1310190.1/47

In: 1809.486+/-0.239 χ^2/NDF:764592.6/43

Out: 1818.188+/-0.229 χ^2/NDF:991152.7/51

All: 1814.022+/-0.166 χ^2/NDF: 1756434.5/95



Right In: 158.751+/-983.416 χ^2/NDF: 21.8/20

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: 588.991+/-443.663 χ^2/NDF: 33.3/26

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

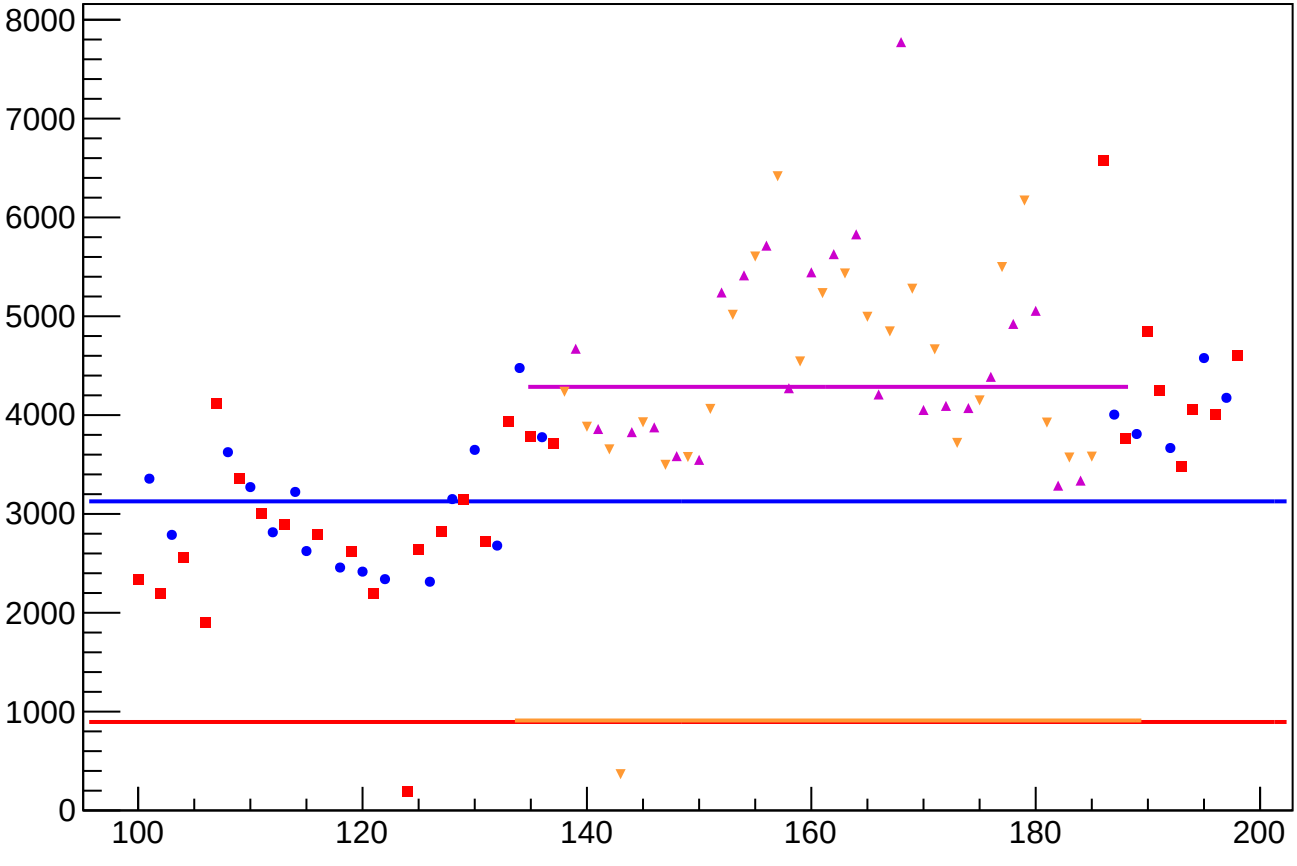
Right: 516.232+/-404.413 χ^2/NDF: 55.2/47

In: 148.952+/-708.942 χ^2/NDF:35.7/43

Out: 419.035+/-288.574 χ^2/NDF:63.5/51

All: 380.646+/-267.280 χ^2/NDF: 99.3/95

asym_atr1l2_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3127.308+/-0.695 χ^2/NDF: 935094.9/20

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 895.111+/-0.314 χ^2/NDF: 17005655.1/26

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

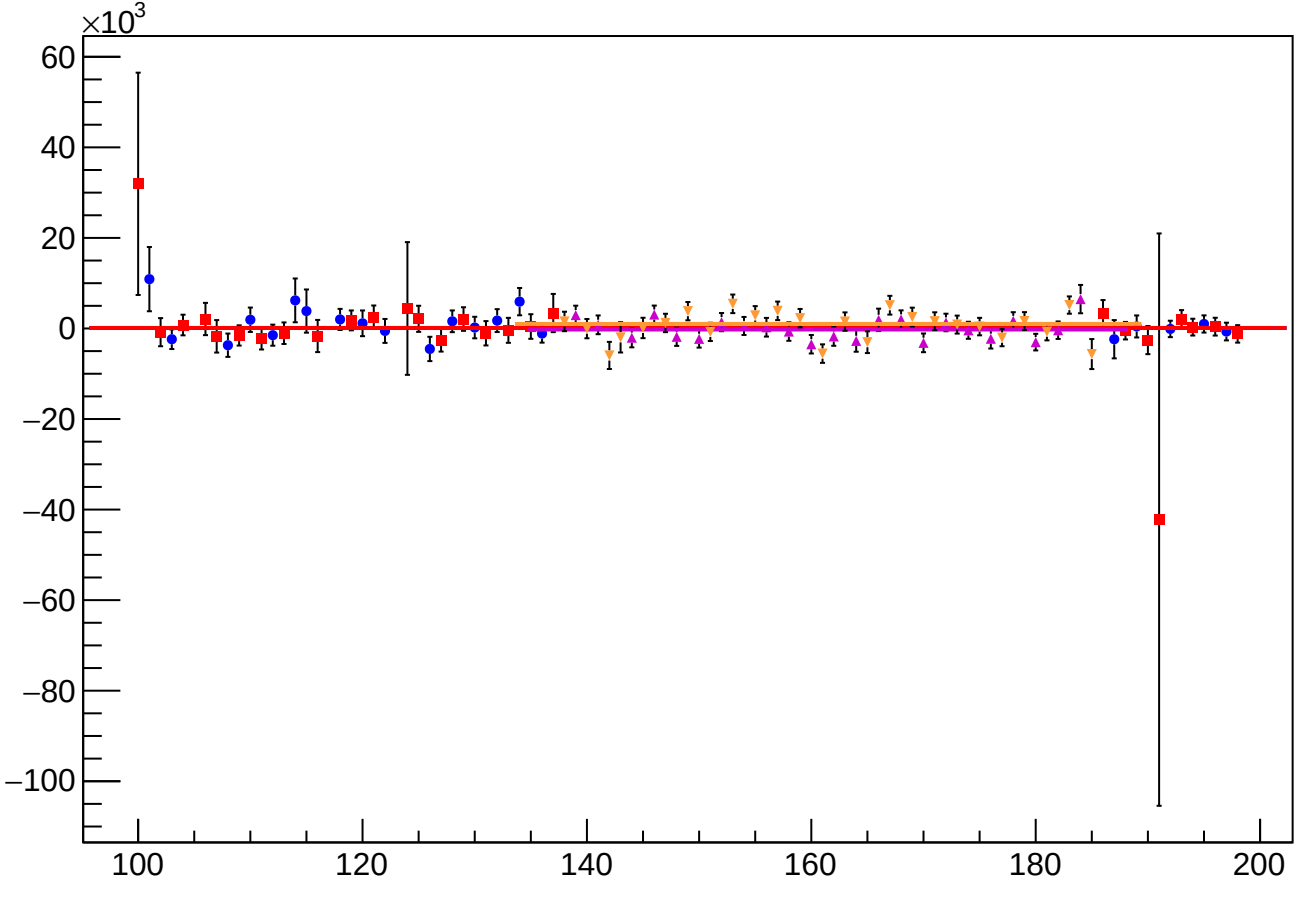
Right: 1272.602+/-0.286 χ^2/NDF: 26502507.4/47

In: 3683.758+/-0.501 χ^2/NDF:3596224.2/43

Out: 903.779+/-0.204 χ^2/NDF:43781102.2/51

All: 1298.920+/-0.189 χ^2/NDF: 73759401.7/9

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 104.487+/-549.227 χ^2/NDF: 18.4/20

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 112.035+/-508.167 χ^2/NDF: 12.7/26

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

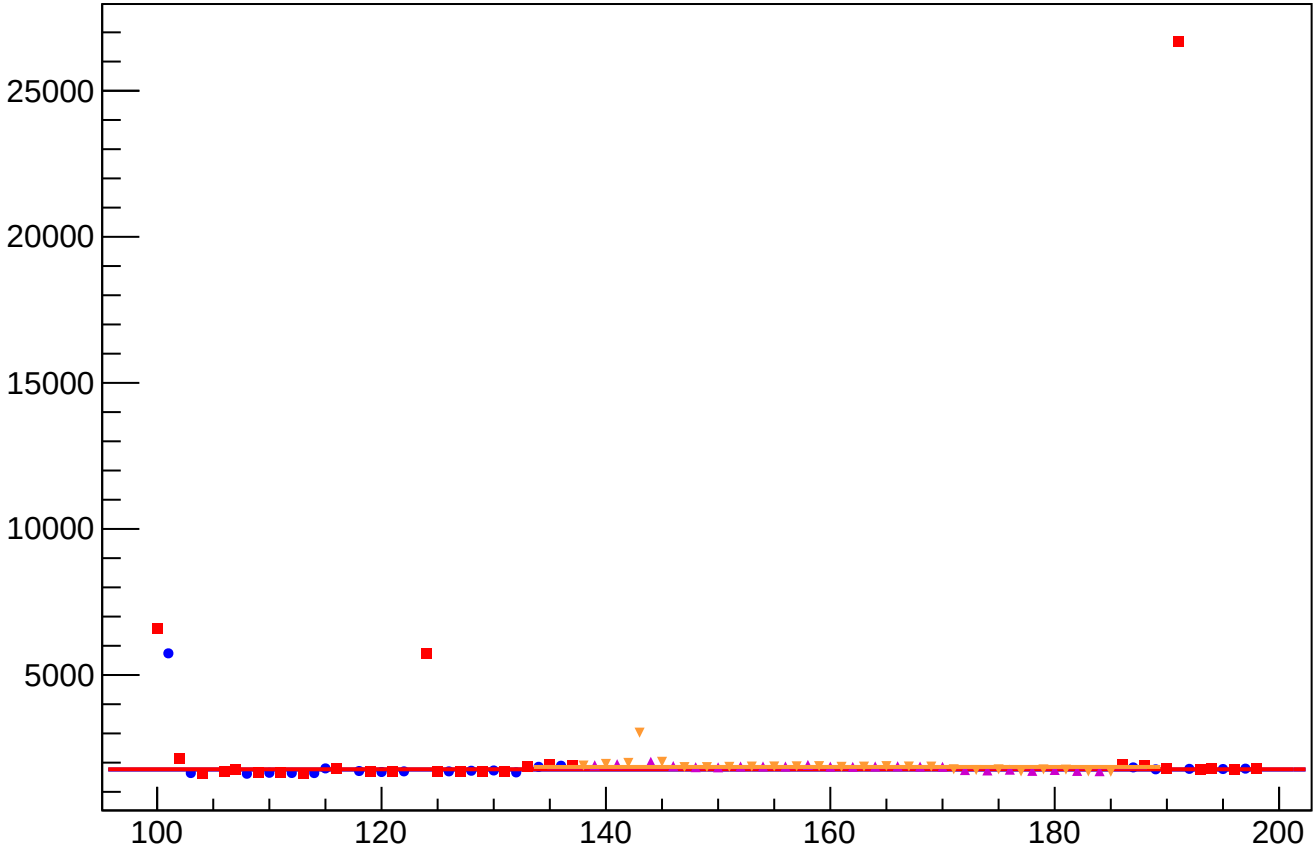
Right: 108.554+/-373.001 χ^2/NDF: 31.1/47

In: -102.524+/-338.429 χ^2/NDF:45.0/43

Out: 639.422+/-324.916 χ^2/NDF:61.9/51

All: 283.556+/-234.382 χ^2/NDF: 109.4/95

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.040+/-0.388 χ^2/NDF: 672053.4/20

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1773.131+/-0.359 χ^2/NDF: 629579.7/26

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

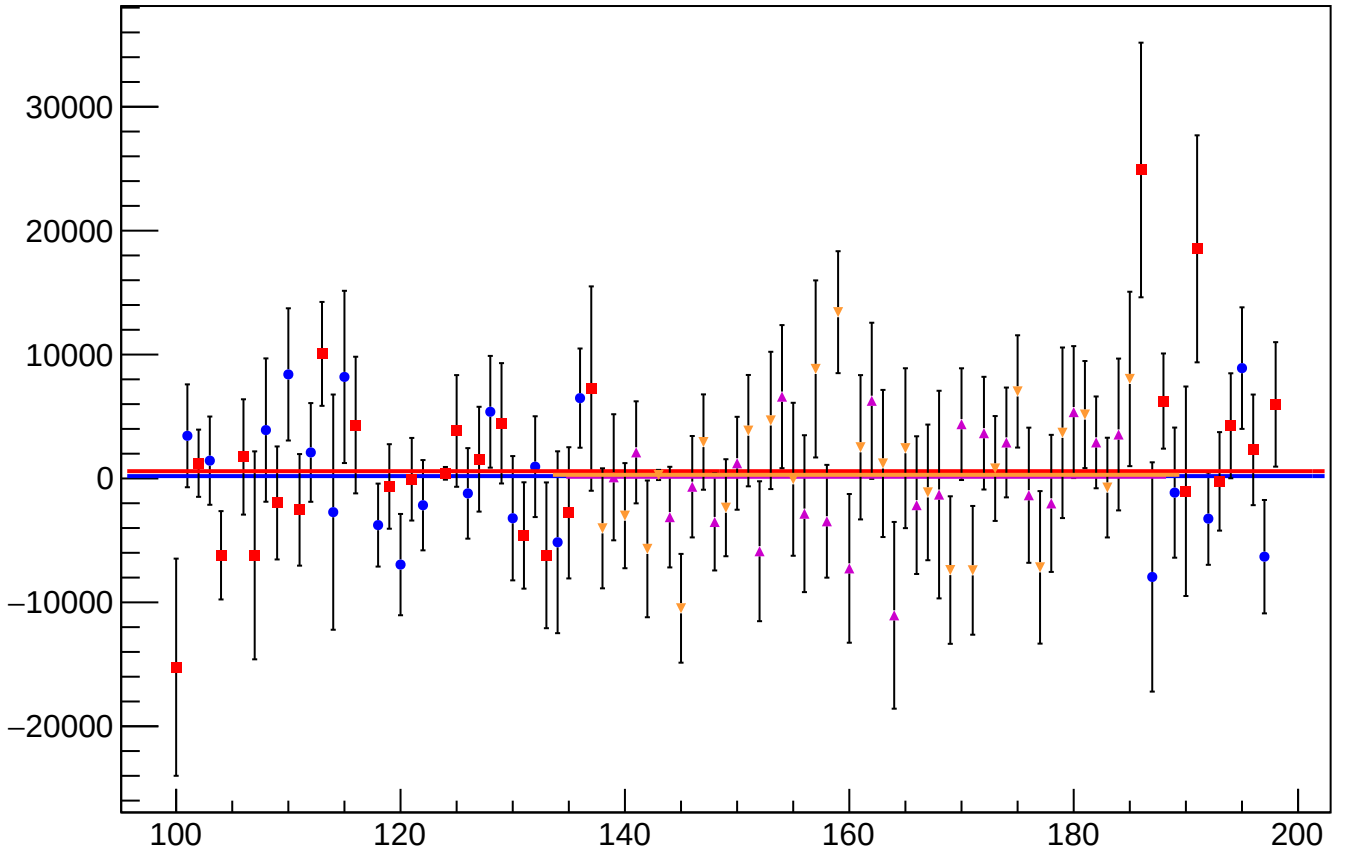
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1768.028+/-0.263 χ^2/NDF: 1302073.5/47

In: 1809.486+/-0.239 χ^2/NDF:764593.0/43

Out: 1819.986+/-0.230 χ^2/NDF:979563.1/51

All: 1814.955+/-0.166 χ^2/NDF: 1745158.8/95



Right In: 189.585+/-982.677 χ^2/NDF: 21.9/20

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 587.871+/-444.495 χ^2/NDF: 33.1/26

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

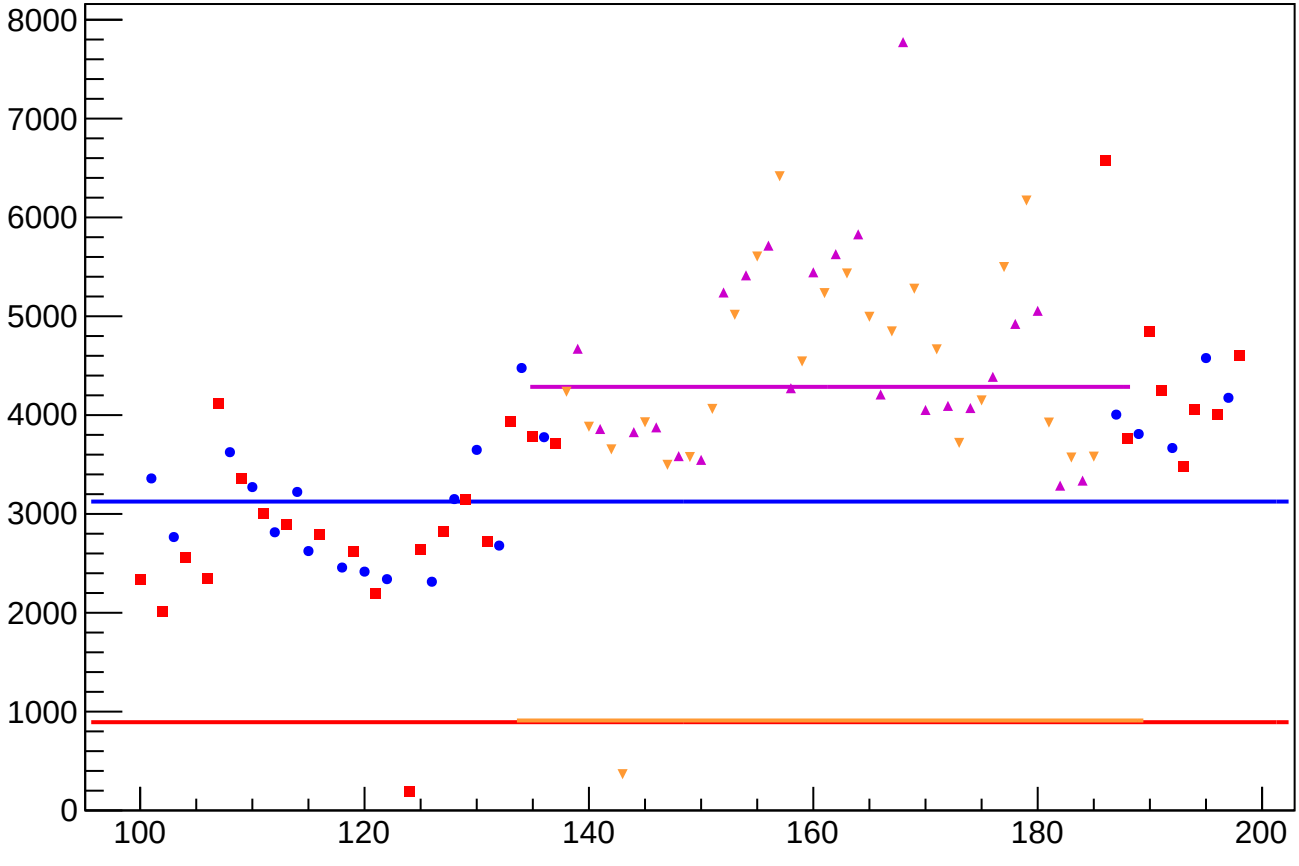
Right: 520.222+/-404.990 χ^2/NDF: 55.1/47

In: 164.958+/-708.664 χ^2/NDF:35.8/43

Out: 418.825+/-288.815 χ^2/NDF:63.4/51

All: 382.665+/-267.456 χ^2/NDF: 99.2/95

asym_atr1l2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3125.218+/-0.695 χ^2/NDF: 938028.4/20

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 893.011+/-0.314 χ^2/NDF: 16973017.4/26

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

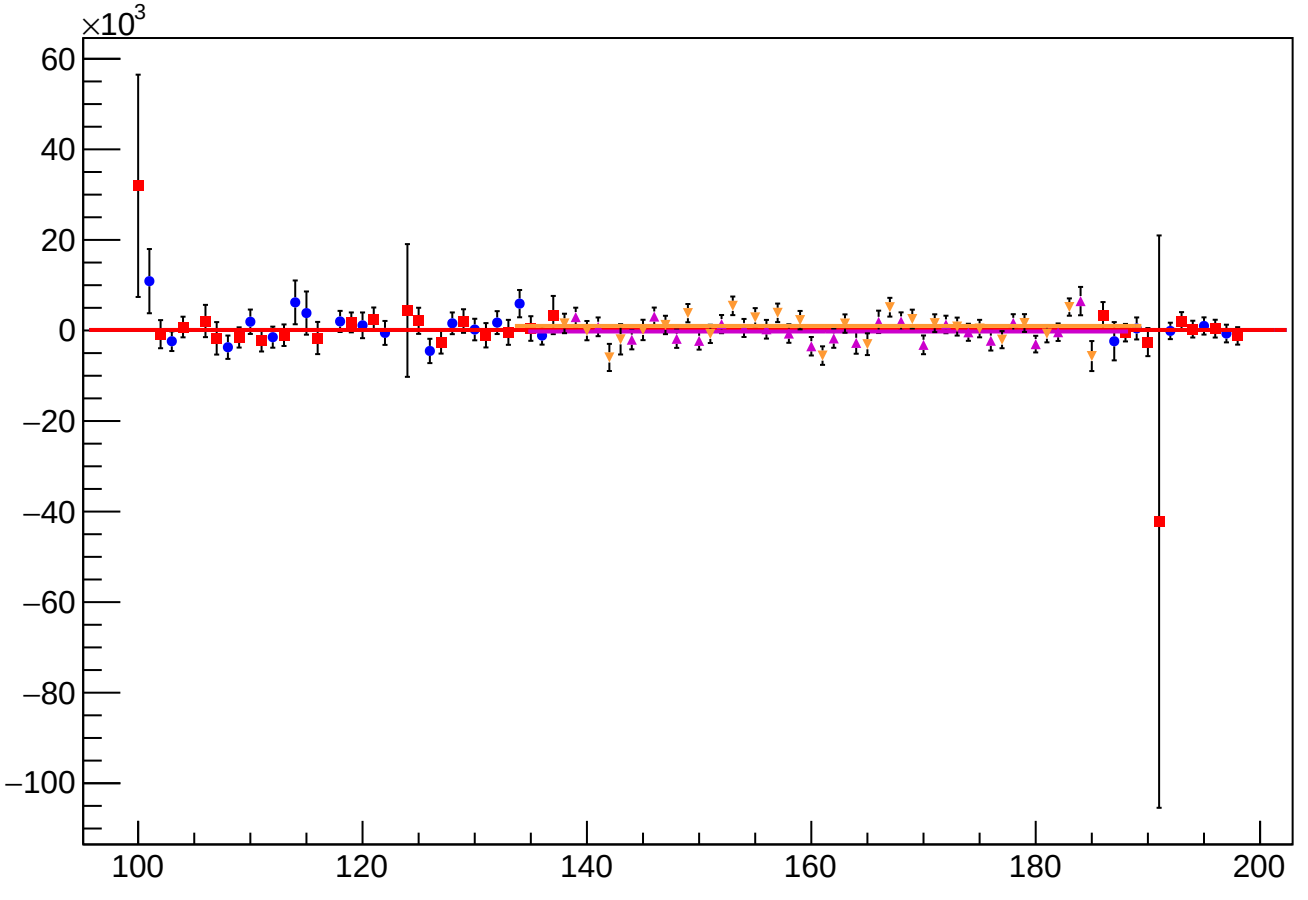
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1272.154+/-0.286 χ^2/NDF: 26478138.4/47

In: 3682.232+/-0.501 χ^2/NDF:3604932.6/43

Out: 902.974+/-0.204 χ^2/NDF:43747725.3/51

All: 1298.846+/-0.189 χ^2/NDF: 73732516.6/9



Right In: 104.487+/-549.227 χ^2/NDF: 18.4/20

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 112.035+/-508.167 χ^2/NDF: 12.7/26

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

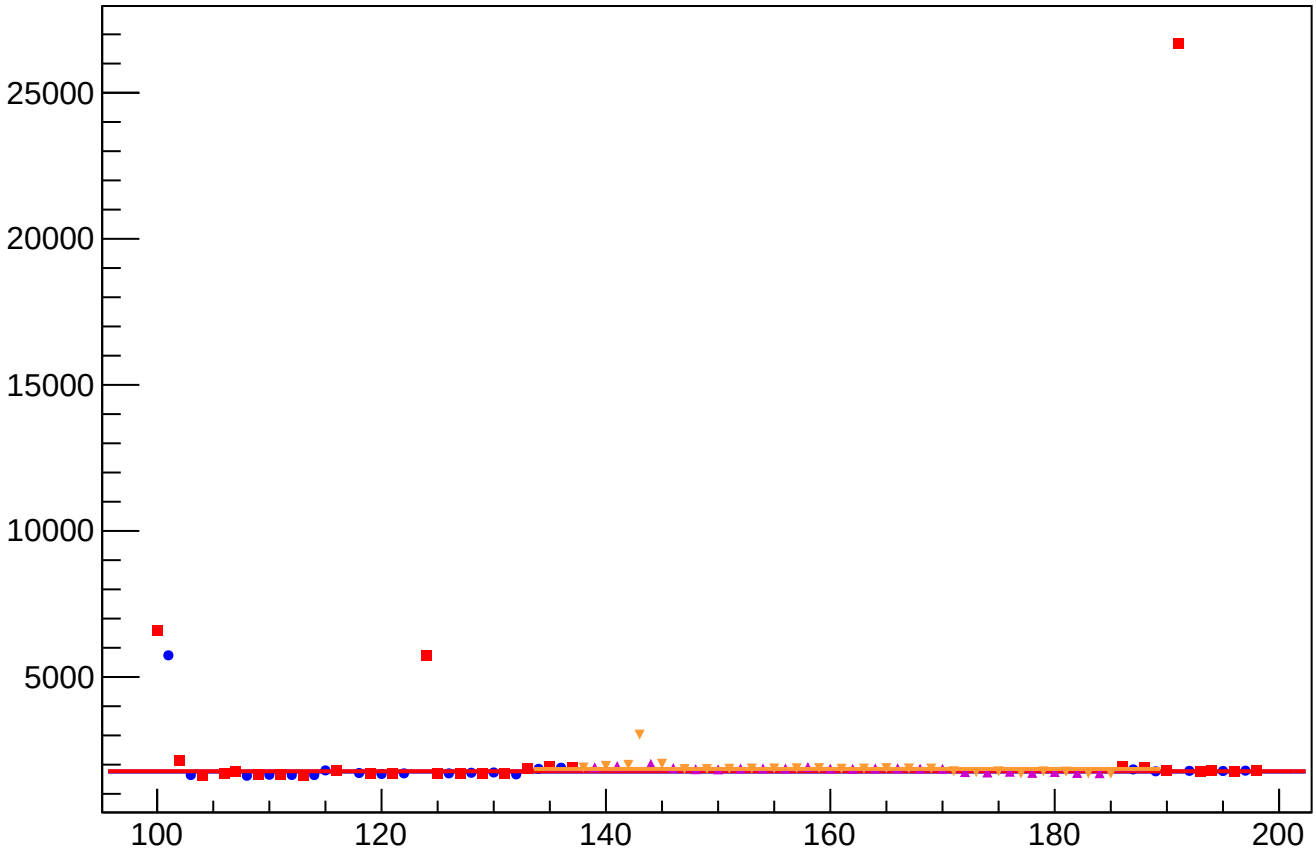
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: 108.554+/-373.001 χ^2/NDF: 31.1/47

In: -102.524+/-338.429 χ^2/NDF:45.0/43

Out: 639.422+/-324.916 χ^2/NDF:61.9/51

All: 283.556+/-234.382 χ^2/NDF: 109.4/95



Right In: 1762.040+/-0.388 χ^2/NDF: 672053.4/20

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1773.131+/-0.359 χ^2/NDF: 629579.7/26

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

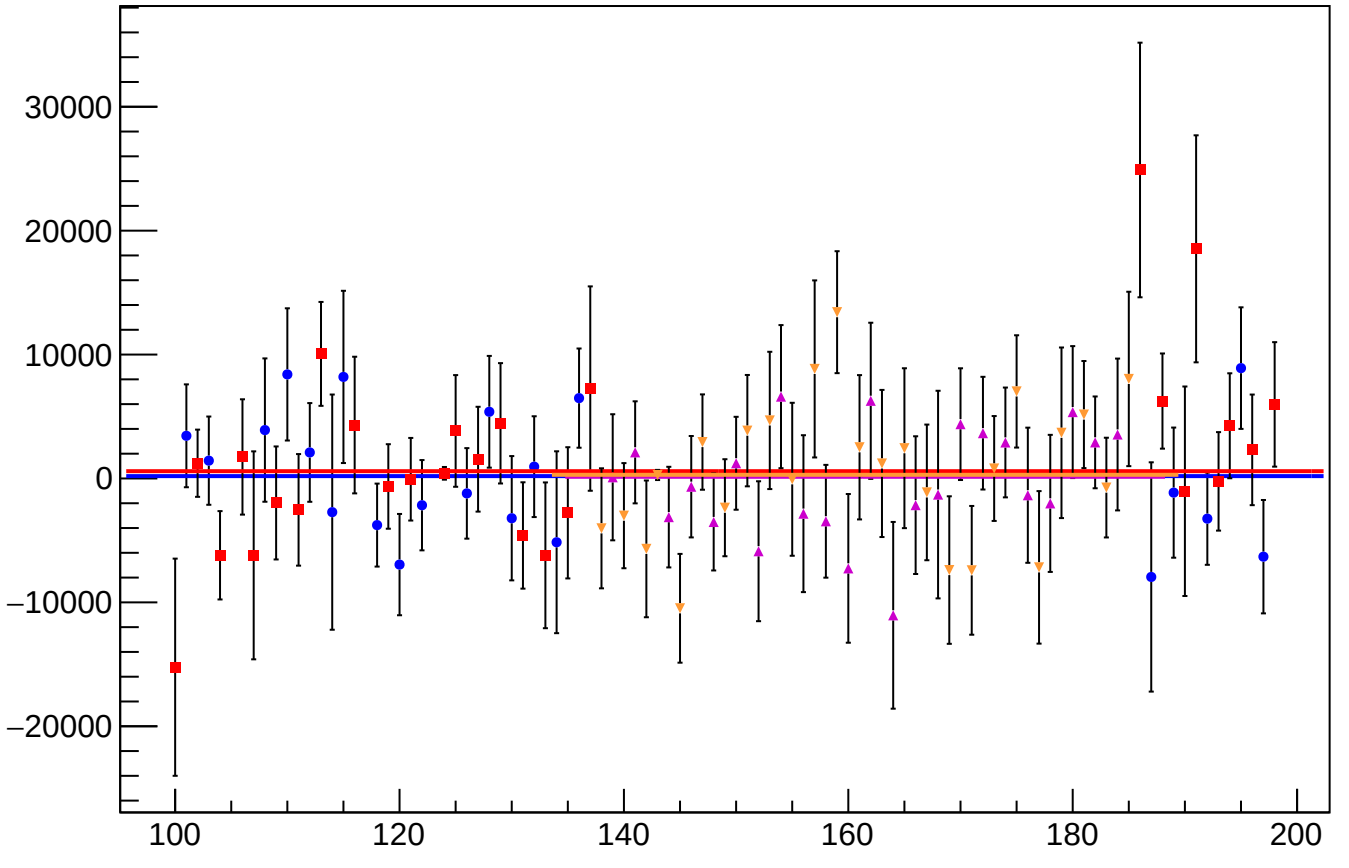
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1768.028+/-0.263 χ^2/NDF: 1302073.5/47

In: 1809.486+/-0.239 χ^2/NDF:764593.0/43

Out: 1819.986+/-0.230 χ^2/NDF:979563.1/51

All: 1814.955+/-0.166 χ^2/NDF: 1745158.8/95



Right In: 189.585+/-982.677 χ^2/NDF: 21.9/20

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 587.871+/-444.495 χ^2/NDF: 33.1/26

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

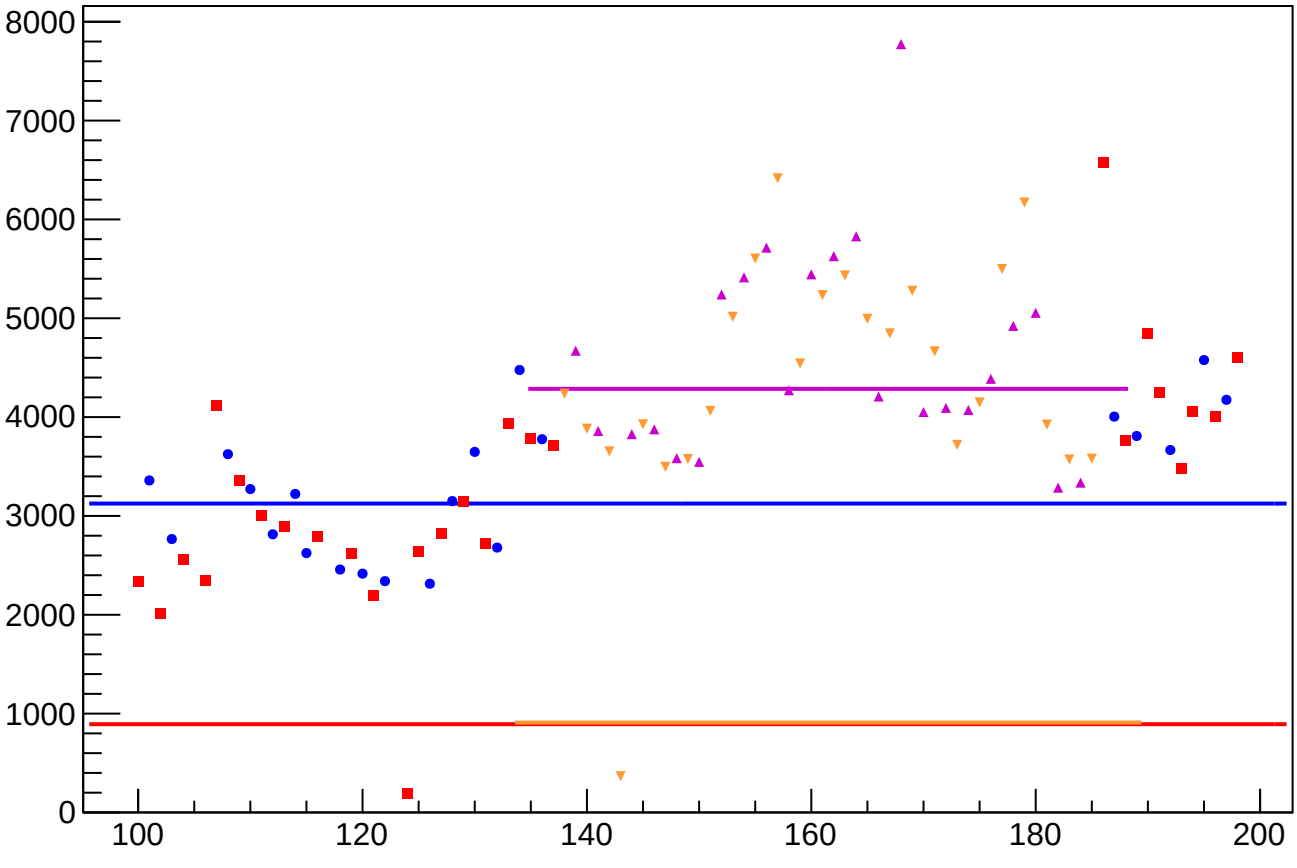
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 520.222+/-404.990 χ^2/NDF: 55.1/47

In: 164.958+/-708.664 χ^2/NDF:35.8/43

Out: 418.825+/-288.815 χ^2/NDF:63.4/51

All: 382.665+/-267.456 χ^2/NDF: 99.2/95



Right In: 3125.218+/-0.695 χ^2/NDF: 938028.4/20

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 893.011+/-0.314 χ^2/NDF: 16973017.4/26

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

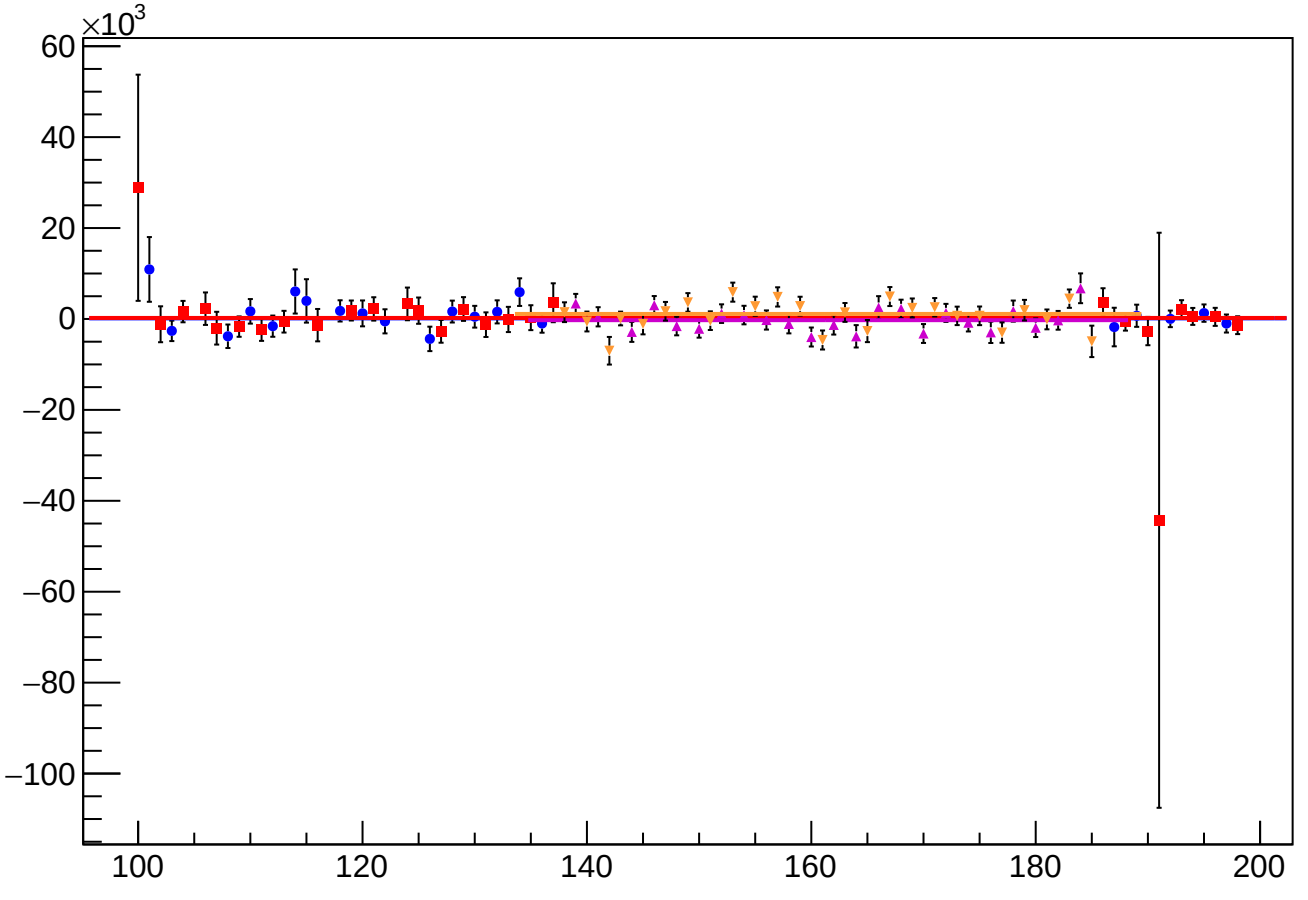
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1272.154+/-0.286 χ^2/NDF: 26478138.4/47

In: 3682.232+/-0.501 χ^2/NDF:3604932.6/43

Out: 902.974+/-0.204 χ^2/NDF:43747725.3/51

All: 1298.846+/-0.189 χ^2/NDF: 73732516.6/9



Right In: 128.965+/-553.122 χ^2/NDF: 18.2/20

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: 224.400+/-509.101 χ^2/NDF: 14.2/26

Left In: -264.609+/-445.353 χ^2/NDF:27.7/22

Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

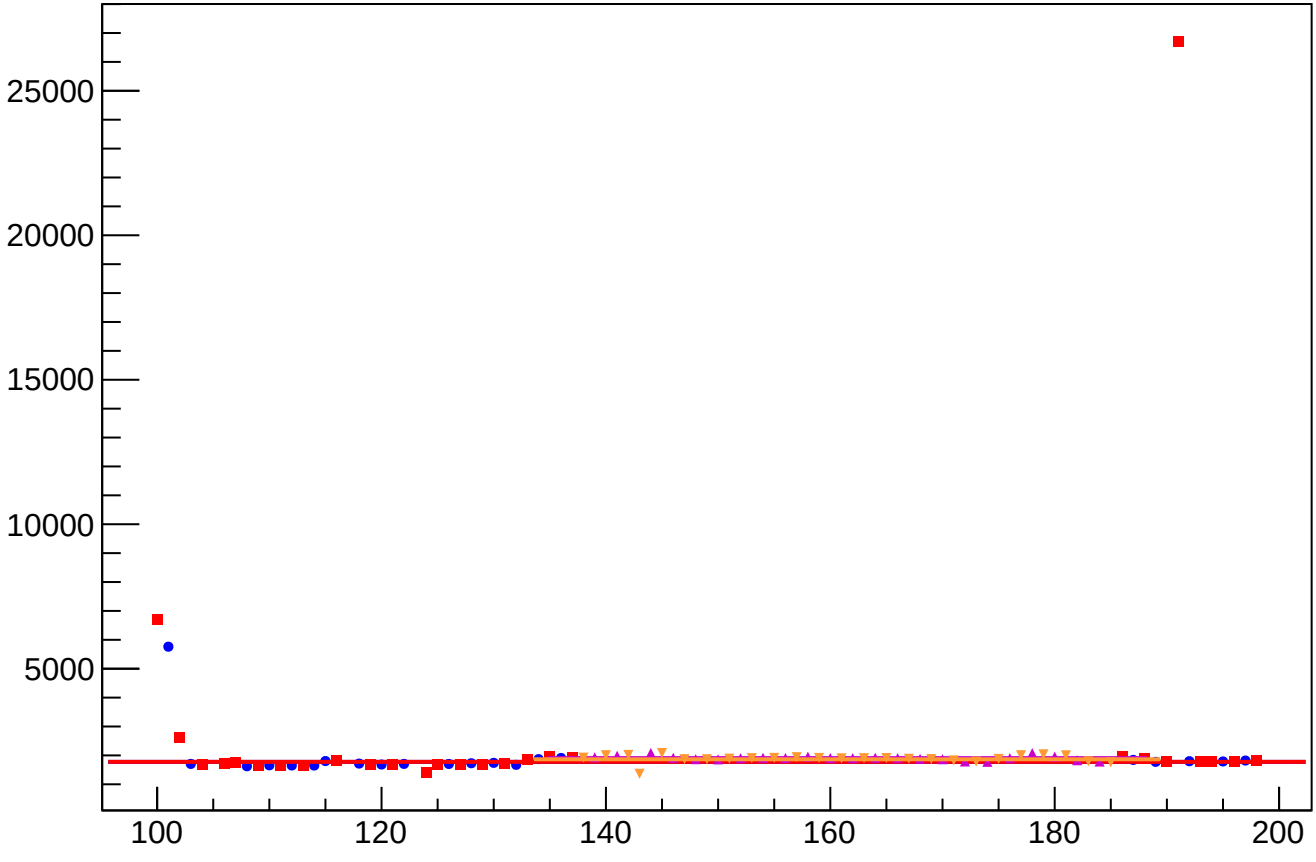
Right: 180.631+/-374.586 χ^2/NDF: 32.4/47

In: -109.812+/-346.887 χ^2/NDF:46.2/43

Out: 742.029+/-326.403 χ^2/NDF:60.7/51

All: 342.001+/-237.714 χ^2/NDF: 110.1/95

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1774.566+/-0.391 χ^2/NDF: 670545.6/20

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1776.730+/-0.359 χ^2/NDF: 561605.1/26

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

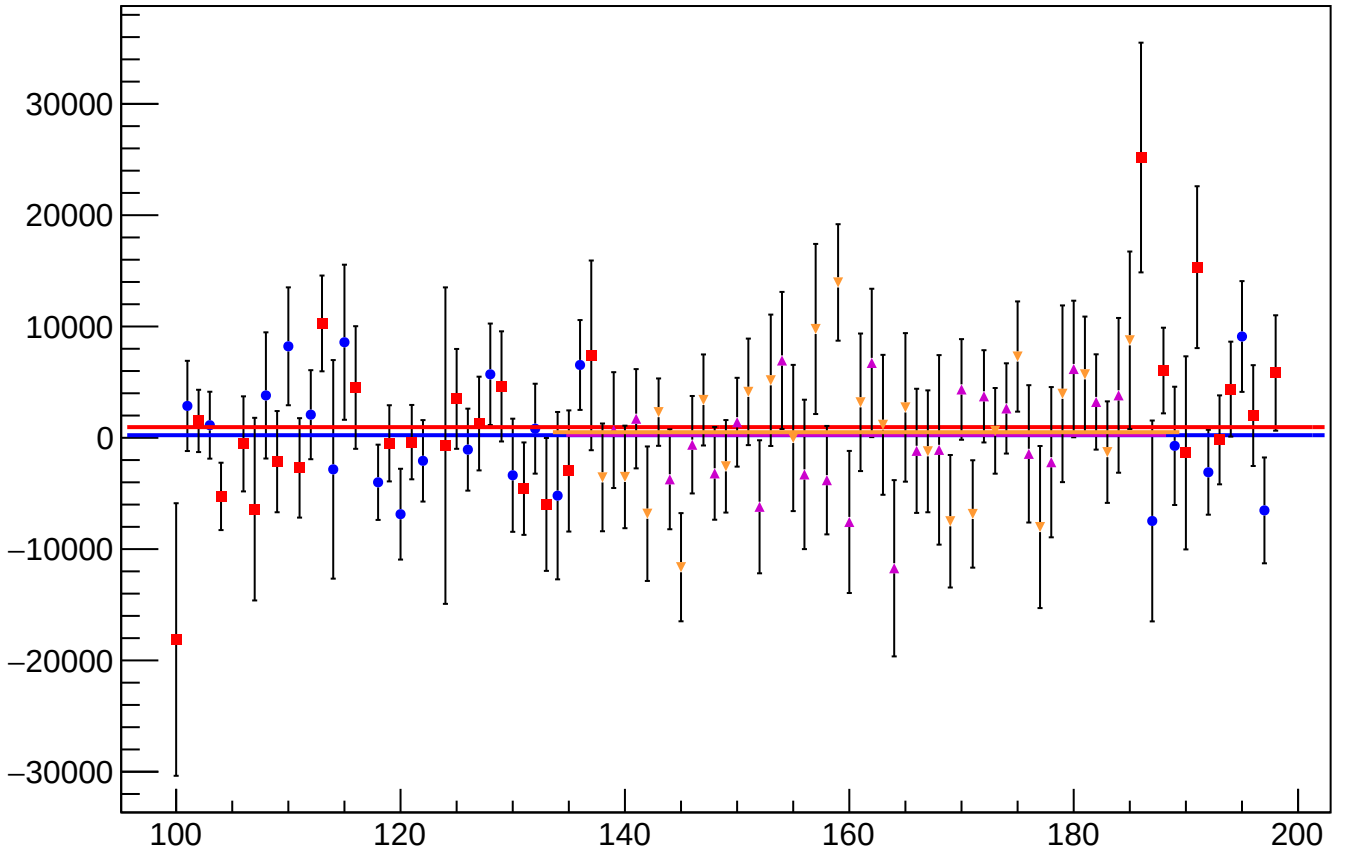
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1775.739+/-0.265 χ^2/NDF: 1232167.4/47

In: 1854.080+/-0.245 χ^2/NDF:791452.5/43

Out: 1828.548+/-0.231 χ^2/NDF:891671.8/51

All: 1840.529+/-0.168 χ^2/NDF: 1688874.8/95



Right In: 233.816+/-973.095 χ^2/NDF: 21.7/20

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: 958.726+/-886.680 χ^2/NDF: 32.2/26

Left In: 261.050+/-1081.402 χ^2/NDF:13.6/22

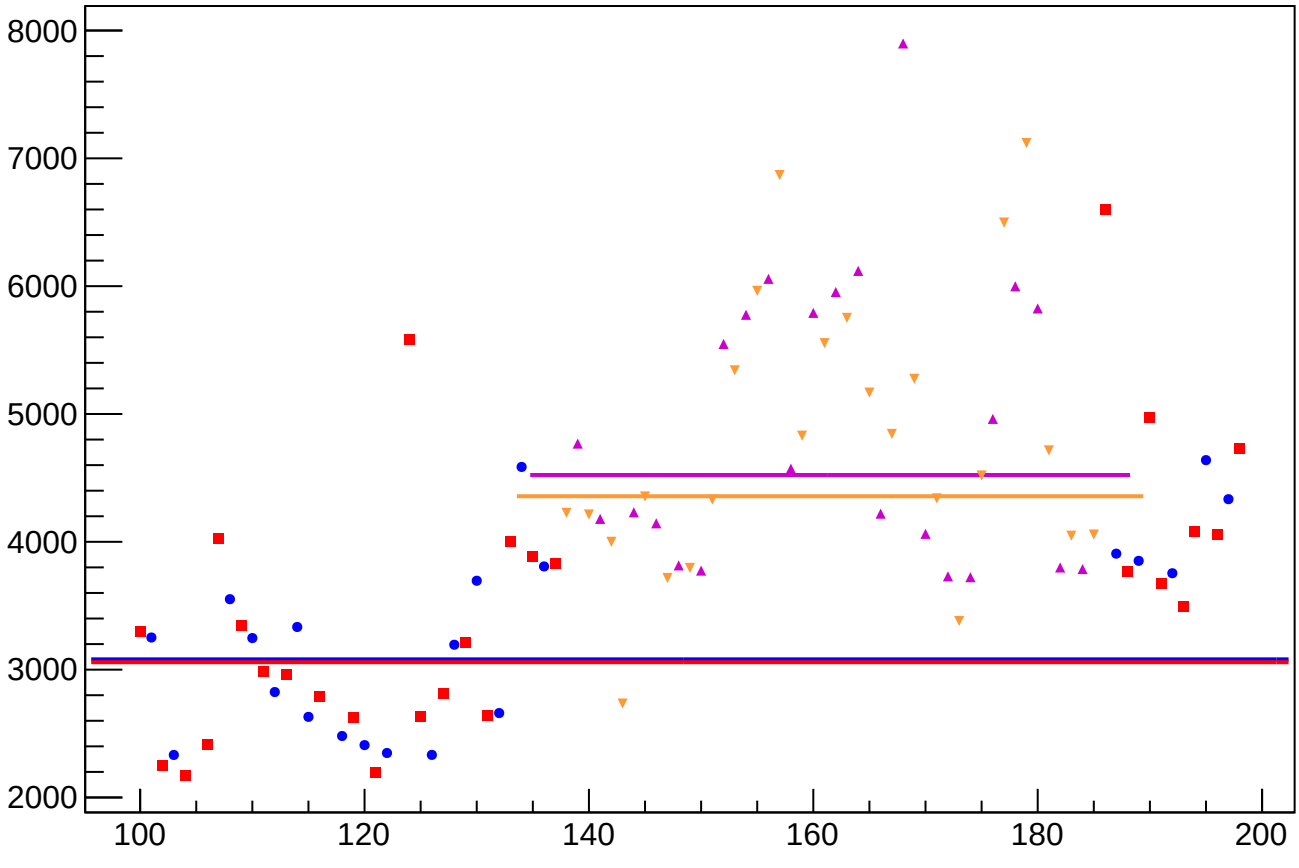
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: 629.881+/-655.403 χ^2/NDF: 54.2/47

In: 246.001+/-723.351 χ^2/NDF:35.3/43

Out: 763.484+/-669.658 χ^2/NDF:62.4/51

All: 524.659+/-491.407 χ^2/NDF: 97.9/95



Right In: 3080.578+/-0.688 χ^2/NDF: 1094024.2/20

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3058.254+/-0.627 χ^2/NDF: 1675763.4/26

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

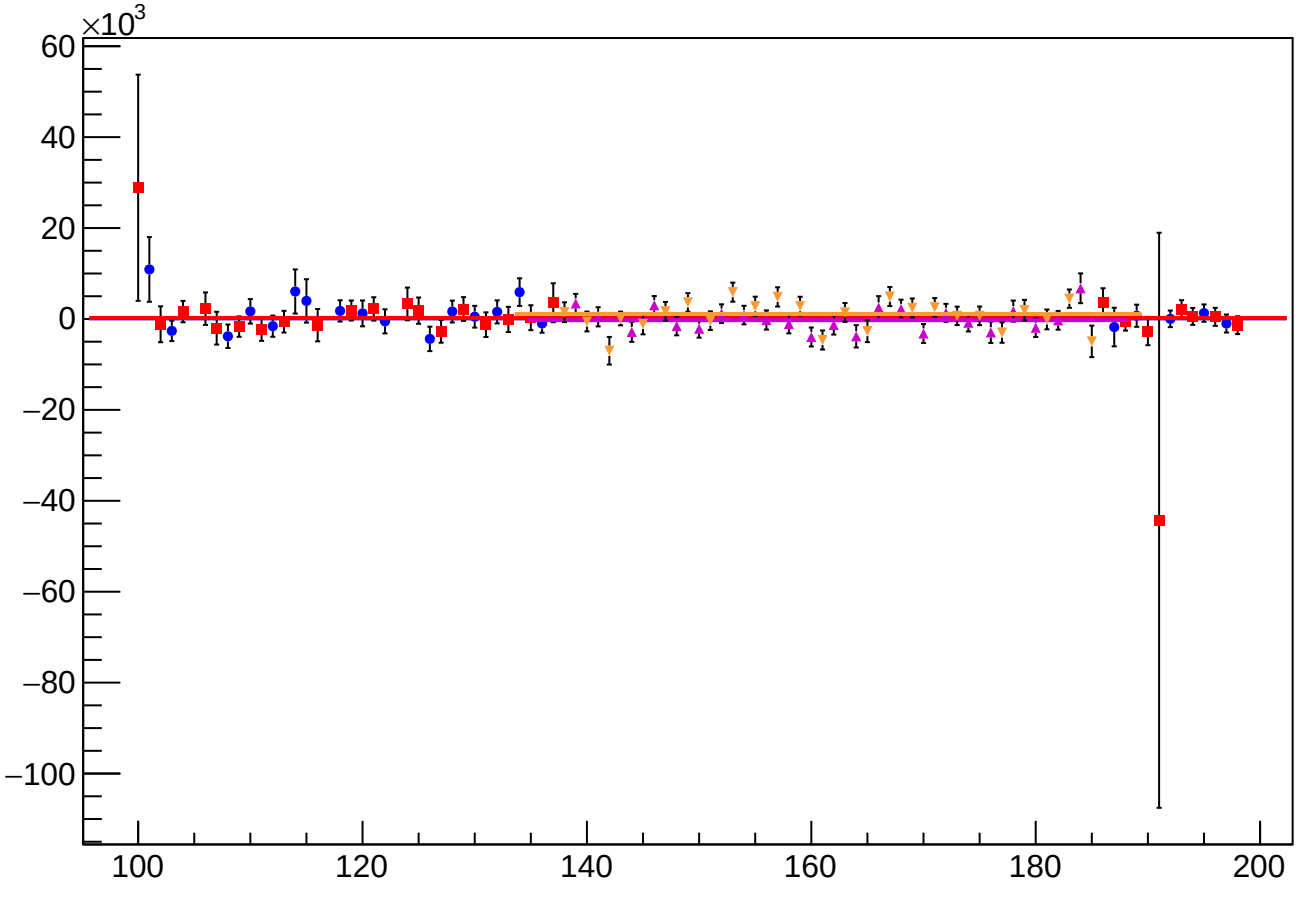
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 3068.381+/-0.463 χ^2/NDF: 2770362.6/47

In: 3725.865+/-0.511 χ^2/NDF:4493655.1/43

Out: 3616.054+/-0.474 χ^2/NDF:5430465.4/51

All: 3666.733+/-0.347 χ^2/NDF: 9948940.0/95



Right In: 128.966+/-553.122 χ^2/NDF: 18.2/20

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: 224.397+/-509.101 χ^2/NDF: 14.2/26

Left In: -264.609+/-445.354 χ^2/NDF:27.7/22

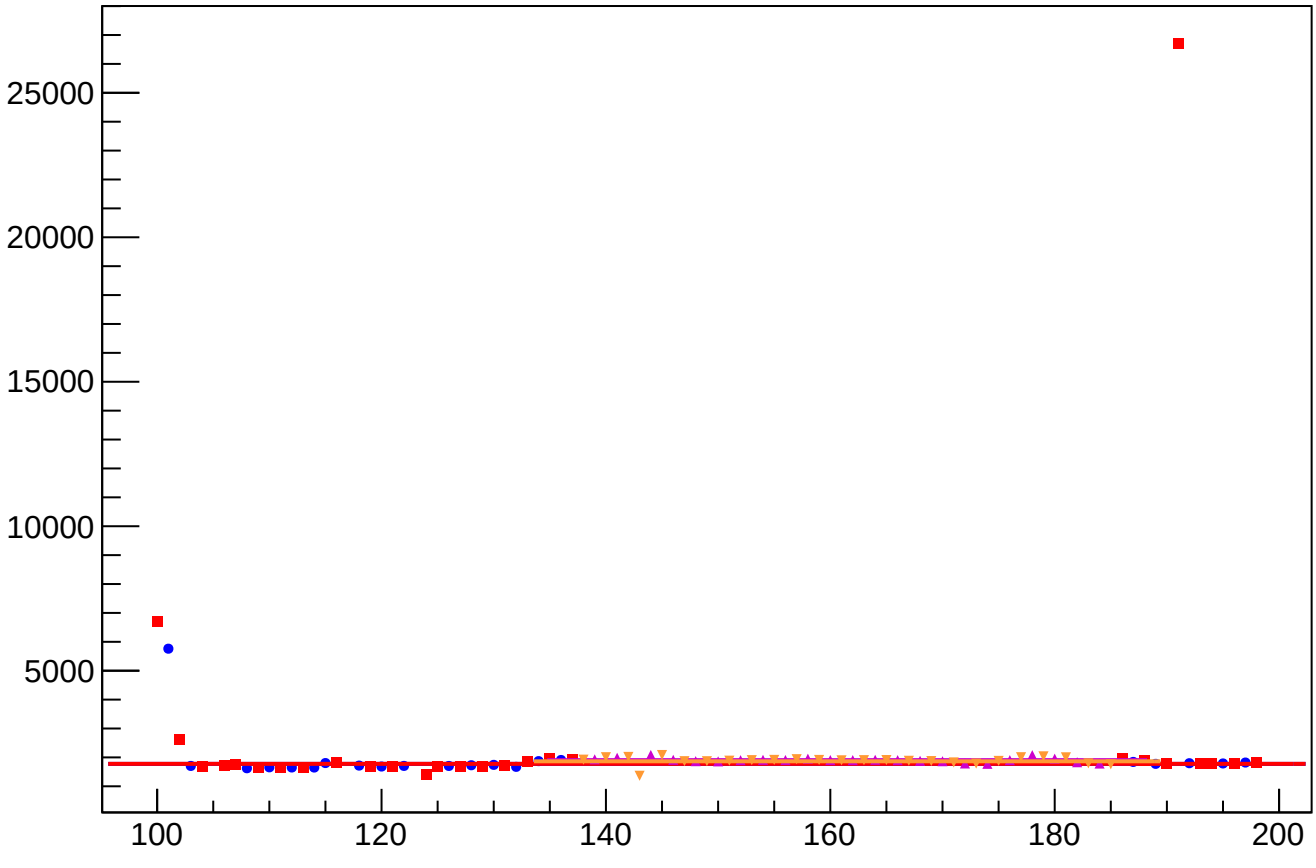
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: 180.630+/-374.586 χ^2/NDF: 32.4/47

In: -109.812+/-346.887 χ^2/NDF:46.2/43

Out: 742.029+/-326.403 χ^2/NDF:60.7/51

All: 342.001+/-237.714 χ^2/NDF: 110.1/95



Right In: 1774.566+/-0.391 χ^2/NDF: 670545.7/20

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

Right Out: 1776.730+/-0.359 χ^2/NDF: 561605.1/26

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

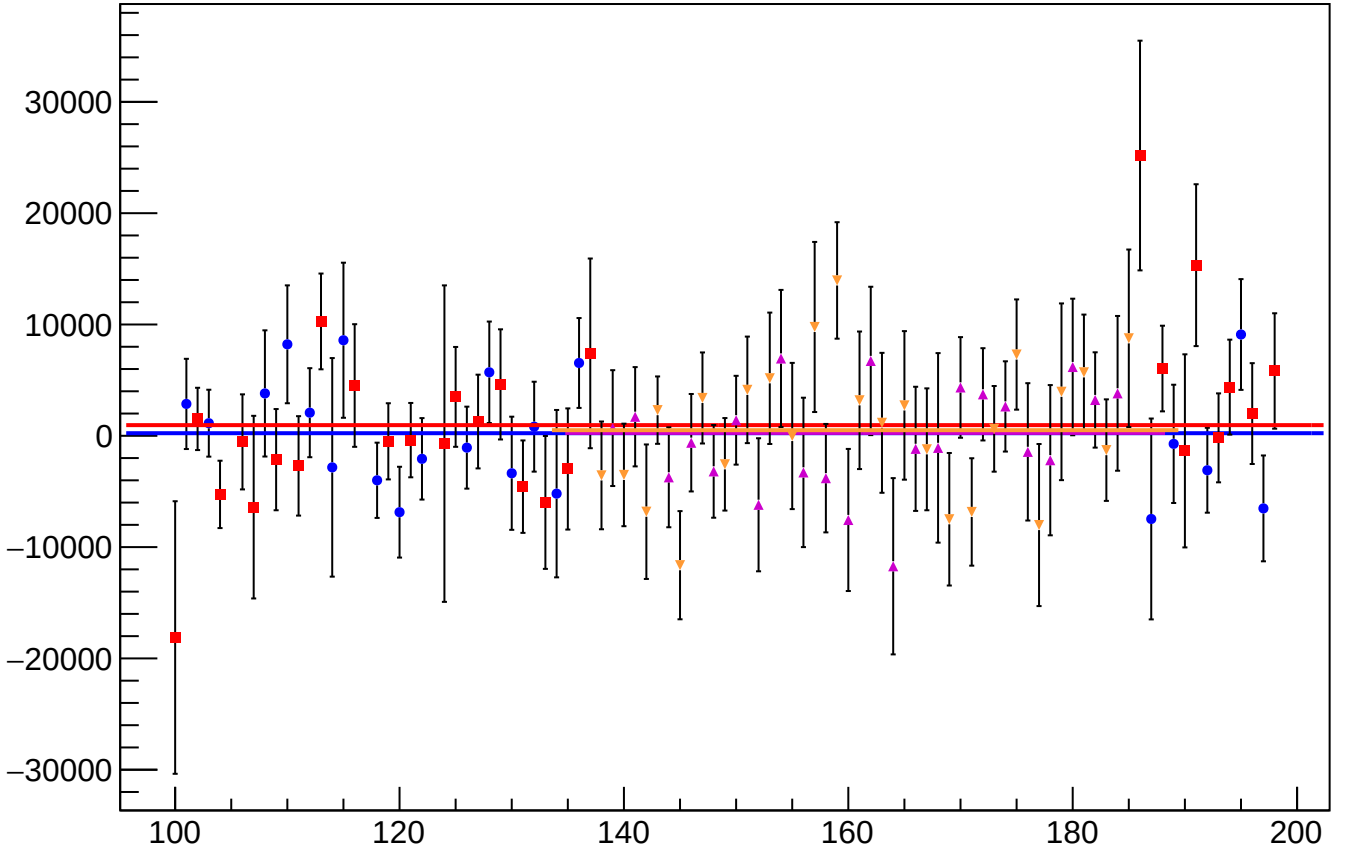
Right: 1775.740+/-0.265 χ^2/NDF: 1232167.4/47

In: 1854.080+/-0.245 χ^2/NDF:791455.8/43

Out: 1828.549+/-0.231 χ^2/NDF:891675.9/51

All: 1840.529+/-0.168 χ^2/NDF: 1688882.2/95

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 233.812+/-973.094 χ^2/NDF: 21.7/20

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: 958.722+/-886.679 χ^2/NDF: 32.2/26

Left In: 261.051+/-1081.404 χ^2/NDF:13.6/22

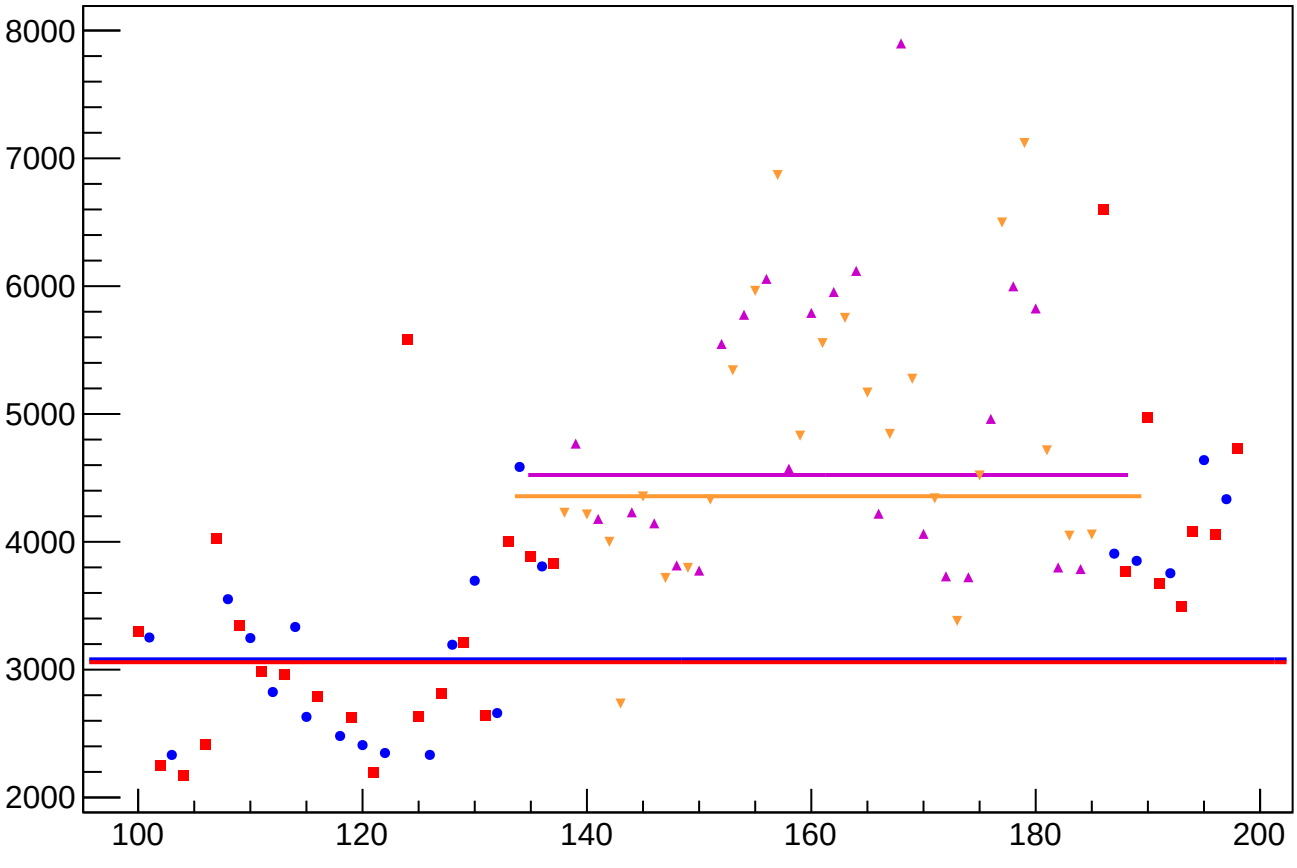
Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

Right: 629.877+/-655.402 χ^2/NDF: 54.2/47

In: 245.999+/-723.351 χ^2/NDF:35.3/43

Out: 763.484+/-669.658 χ^2/NDF:62.4/51

All: 524.658+/-491.407 χ^2/NDF: 97.9/95



Right In: 3080.572+/-0.688 χ^2/NDF: 1094040.3/20

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3058.250+/-0.627 χ^2/NDF: 1675771.8/26

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

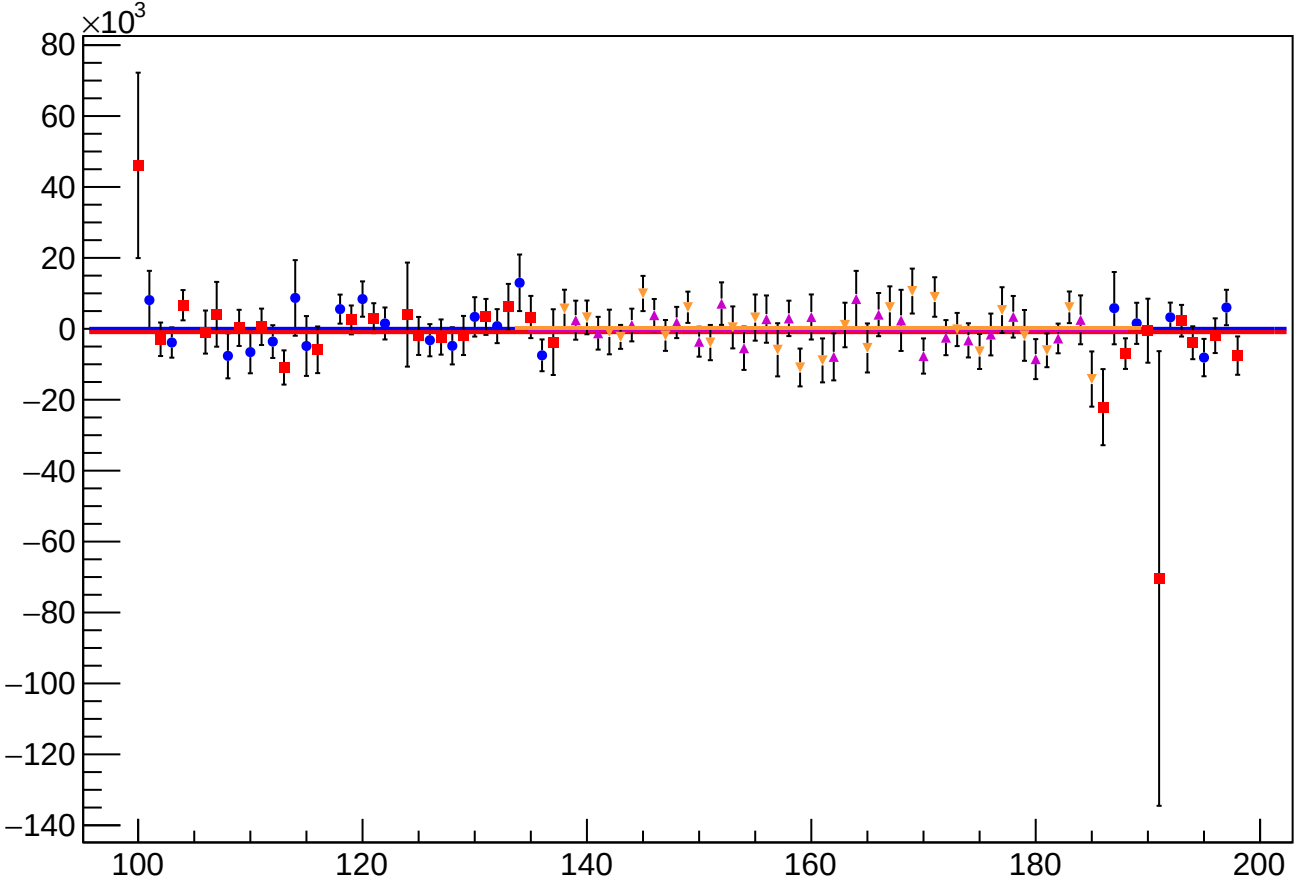
Right: 3068.376+/-0.463 χ^2/NDF: 2770387.0/47

In: 3725.862+/-0.511 χ^2/NDF:4493710.1/43

Out: 3616.053+/-0.474 χ^2/NDF:5430508.4/51

All: 3666.731+/-0.347 χ^2/NDF: 9949037.4/95

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -0.883+/-1161.517 χ^2/NDF: 22.8/20

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: -939.785+/-1077.003 χ^2/NDF: 25.7/26

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

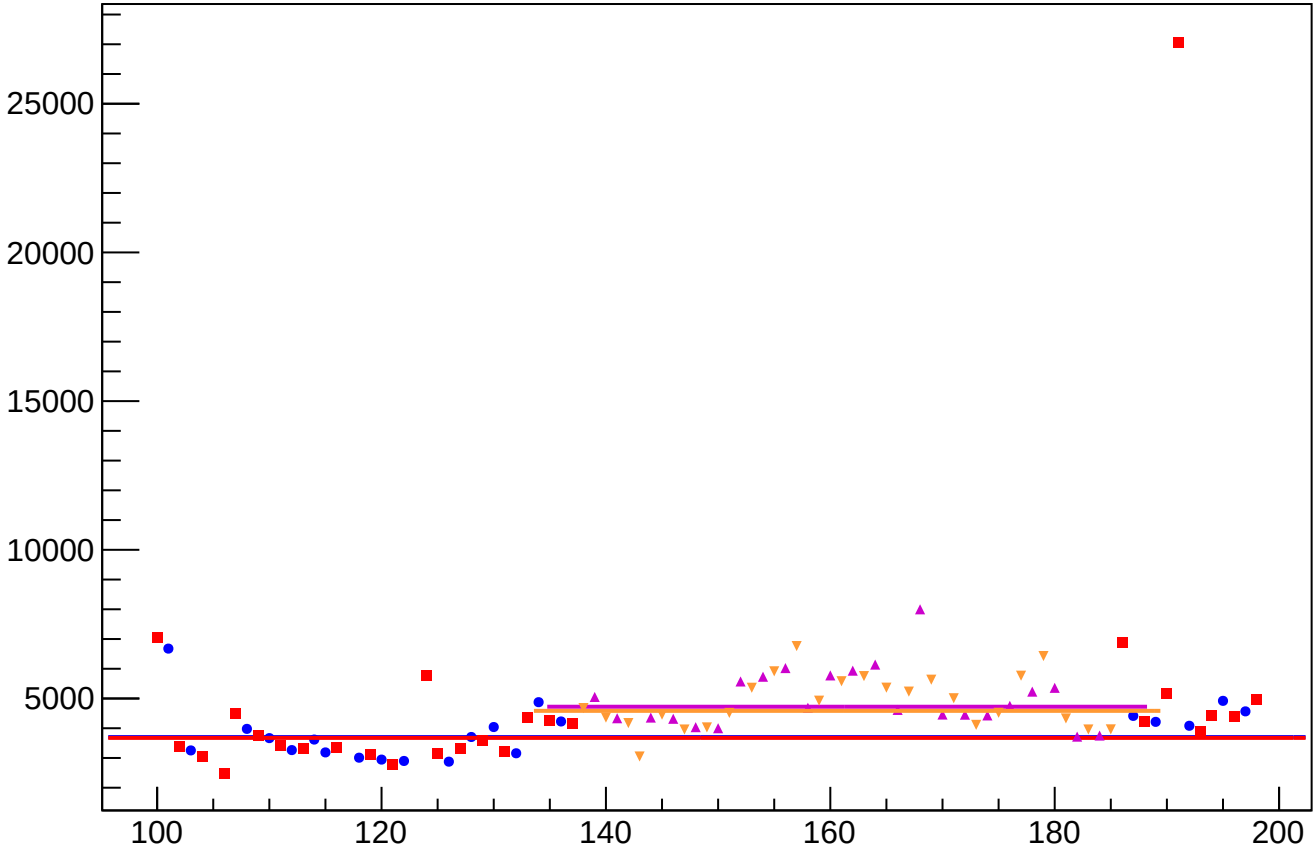
Right: -505.731+/-789.746 χ^2/NDF: 48.9/47

In: -206.370+/-806.731 χ^2/NDF:37.1/43

Out: -343.122+/-757.150 χ^2/NDF:58.5/51

All: -279.077+/-552.082 χ^2/NDF: 95.6/95

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3702.378+/-0.821 χ^2/NDF: 857949.2/20

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3676.013+/-0.754 χ^2/NDF: 1259681.9/26

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

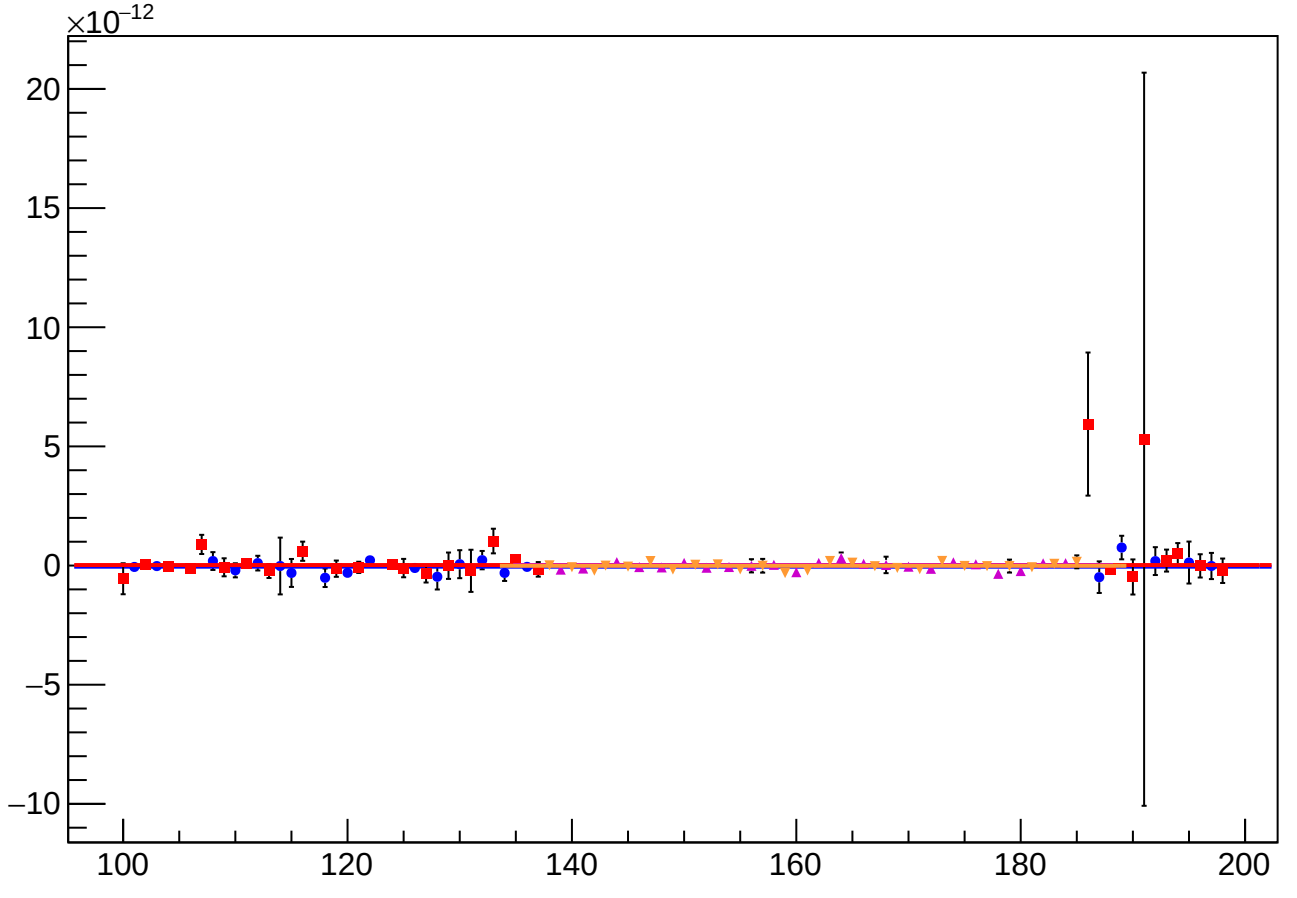
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3688.070+/-0.555 χ^2/NDF: 2118190.3/47

In: 4230.660+/-0.570 χ^2/NDF:2673874.8/43

Out: 4131.016+/-0.533 χ^2/NDF:3298737.6/51

All: 4177.435+/-0.389 χ^2/NDF: 5988910.8/95



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/26

Left In: 0.000+/-0.000 χ^2/NDF:26.0/22

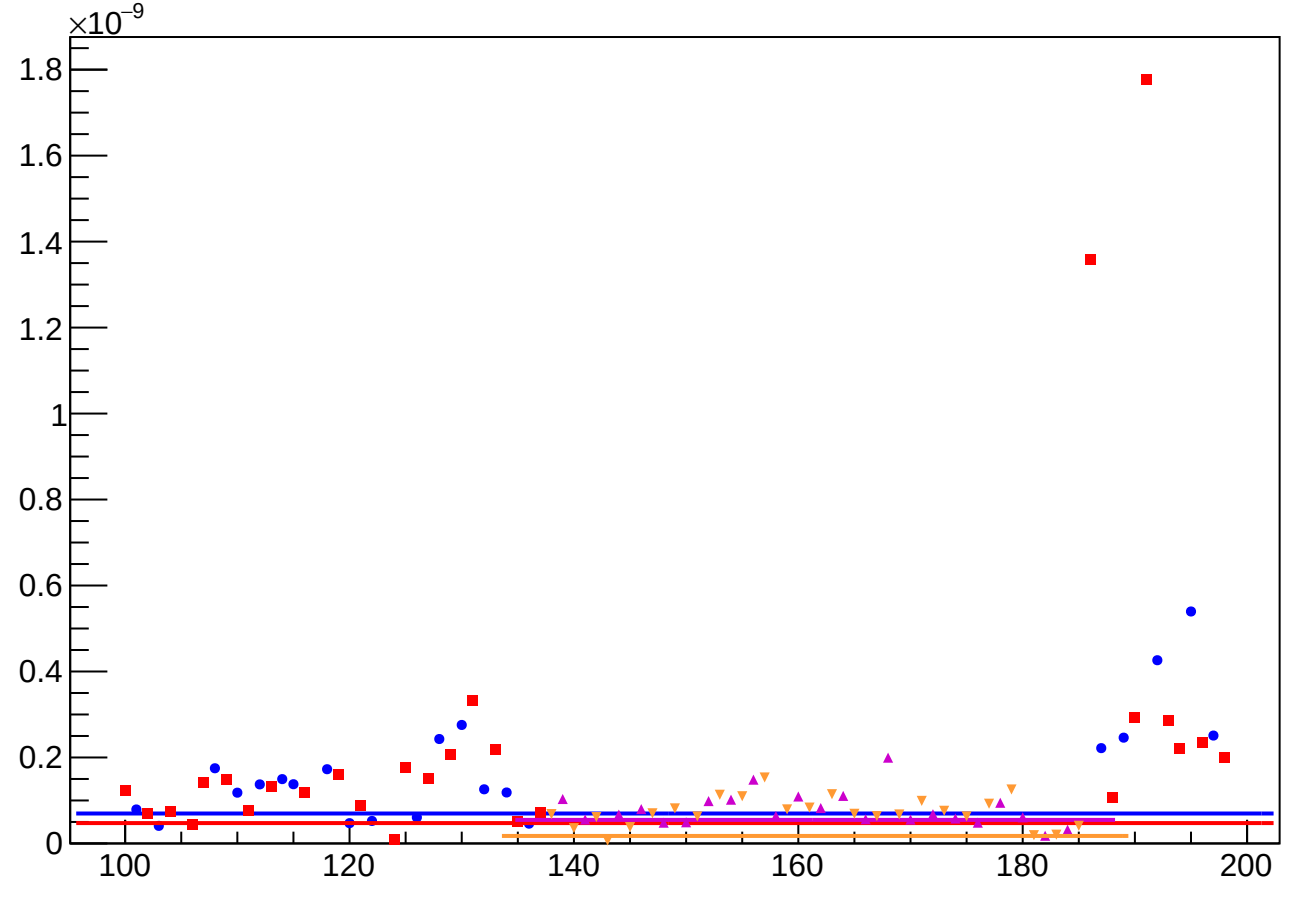
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 38.4/47

In: 0.000+/-0.000 χ^2/NDF:39.5/43

Out: -0.000+/-0.000 χ^2/NDF:48.5/51

All: -0.000+/-0.000 χ^2/NDF: 88.1/95



Right In: 0.000+/-0.000 χ^2/NDF: 3368020.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5336616.4/26

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

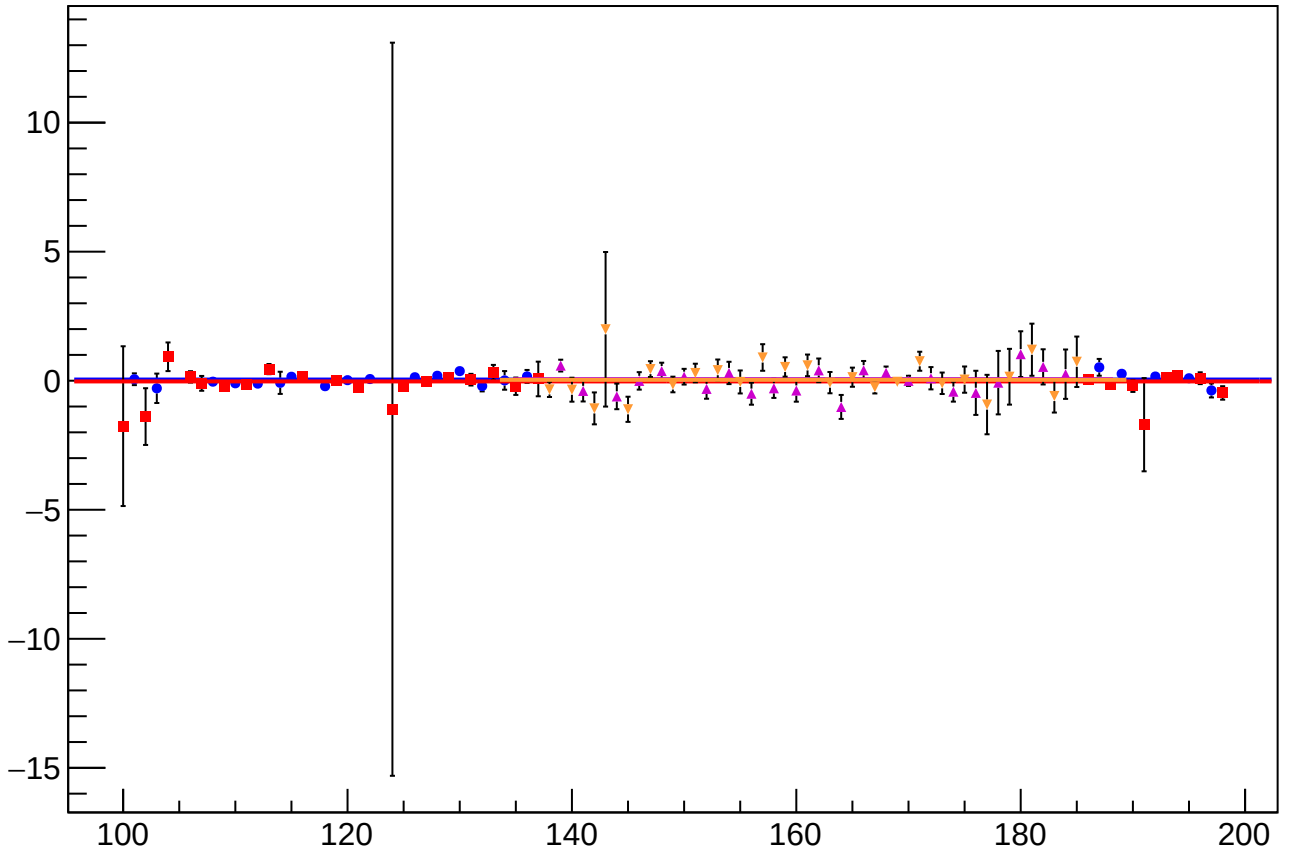
Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

Right: 0.000+/-0.000 χ^2/NDF: 9020978.1/47

In: 0.000+/-0.000 χ^2/NDF:6344300.2/43

Out: 0.000+/-0.000 χ^2/NDF:15545367.5/51

All: 0.000+/-0.000 χ^2/NDF: 27044272.1/95



Right In: 0.045+/-0.042 χ^2/NDF: 19.1/20

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.028+/-0.036 χ^2/NDF: 31.3/26

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

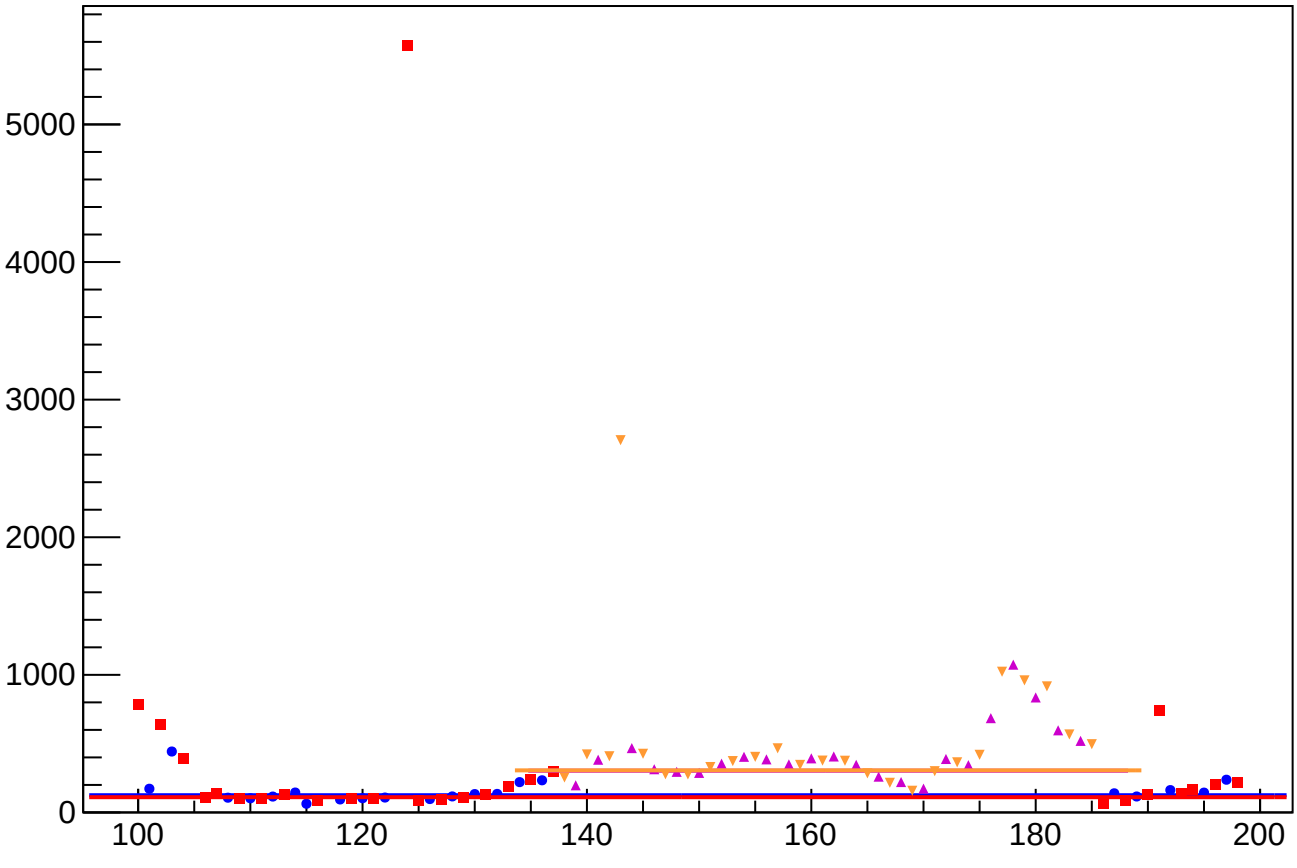
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: 0.003+/-0.027 χ^2/NDF: 52.2/47

In: 0.048+/-0.037 χ^2/NDF:45.2/43

Out: -0.017+/-0.032 χ^2/NDF:62.3/51

All: 0.011+/-0.024 χ^2/NDF: 109.2/95



Right In: 125.240+/-0.030 χ^2/NDF: 2245491.8/20

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 110.890+/-0.025 χ^2/NDF: 3911732.1/26

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

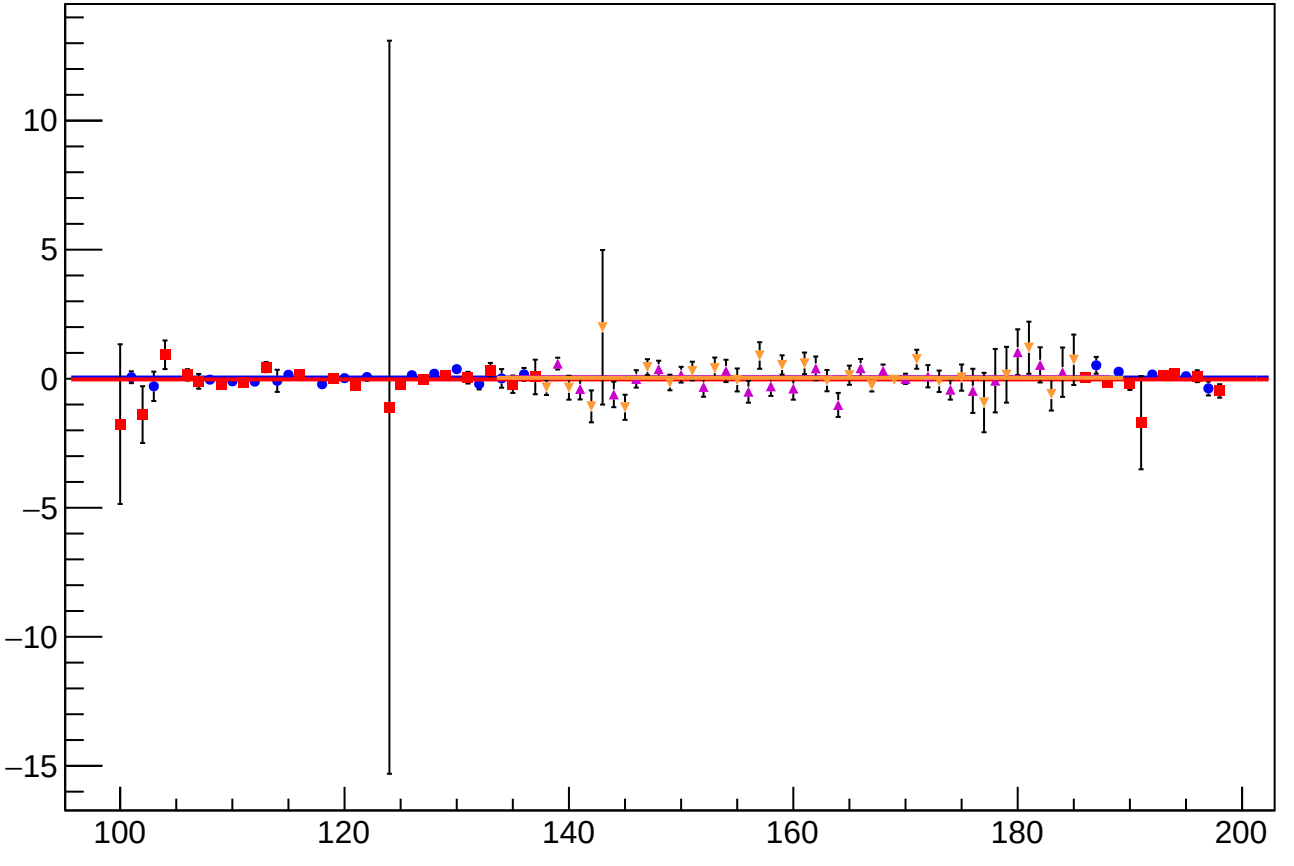
Right: 116.933+/-0.019 χ^2/NDF: 6292906.4/47

In: 165.690+/-0.026 χ^2/NDF:15256742.7/43

Out: 144.799+/-0.023 χ^2/NDF:20896770.8/51

All: 153.938+/-0.017 χ^2/NDF: 36515165.0/95

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.042 χ^2/NDF: 19.1/20

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.028+/-0.036 χ^2/NDF: 31.3/26

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

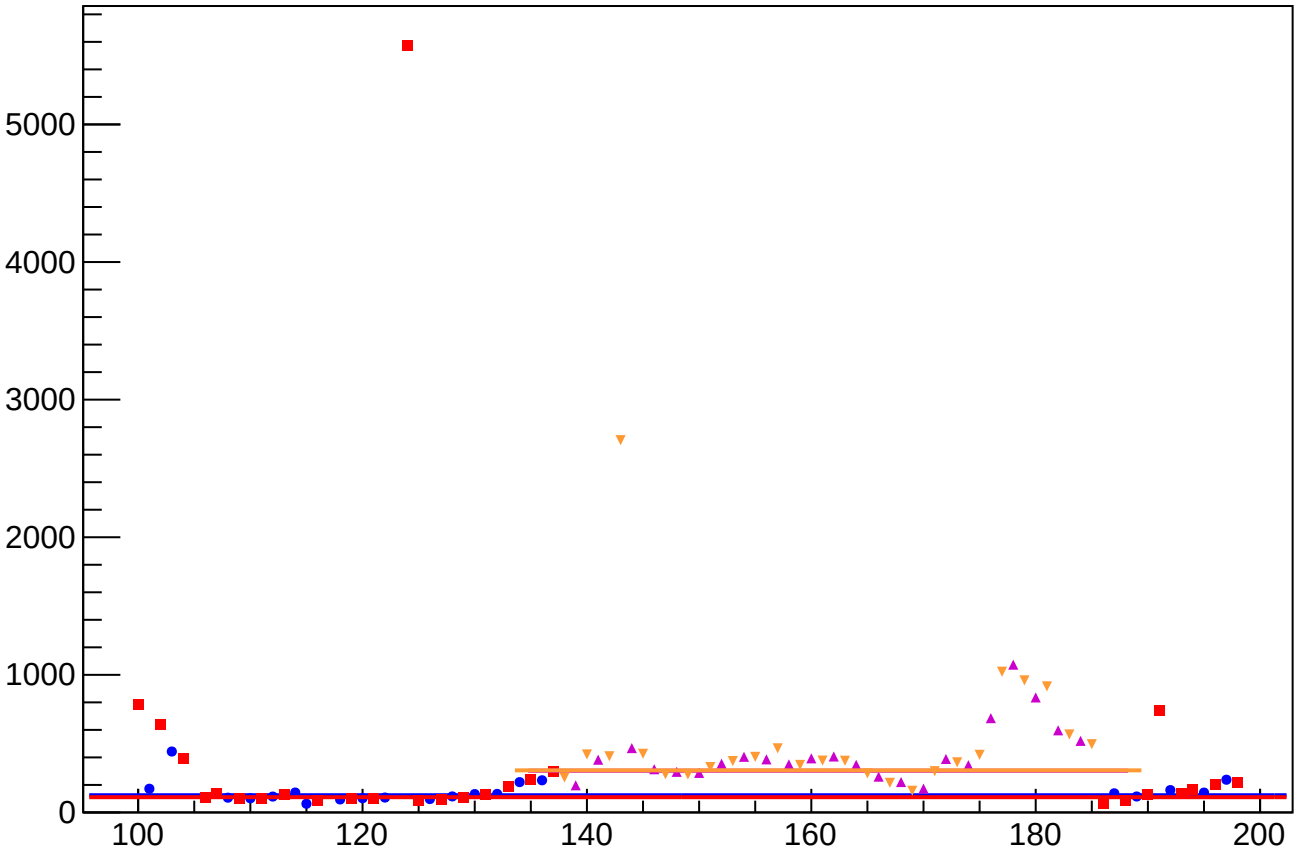
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: 0.003+/-0.027 χ^2/NDF: 52.2/47

In: 0.048+/-0.037 χ^2/NDF:45.2/43

Out: -0.017+/-0.032 χ^2/NDF:62.3/51

All: 0.011+/-0.024 χ^2/NDF: 109.2/95



Right In: 125.240+/-0.030 χ^2/NDF: 2245491.8/20

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 110.890+/-0.025 χ^2/NDF: 3911732.1/26

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

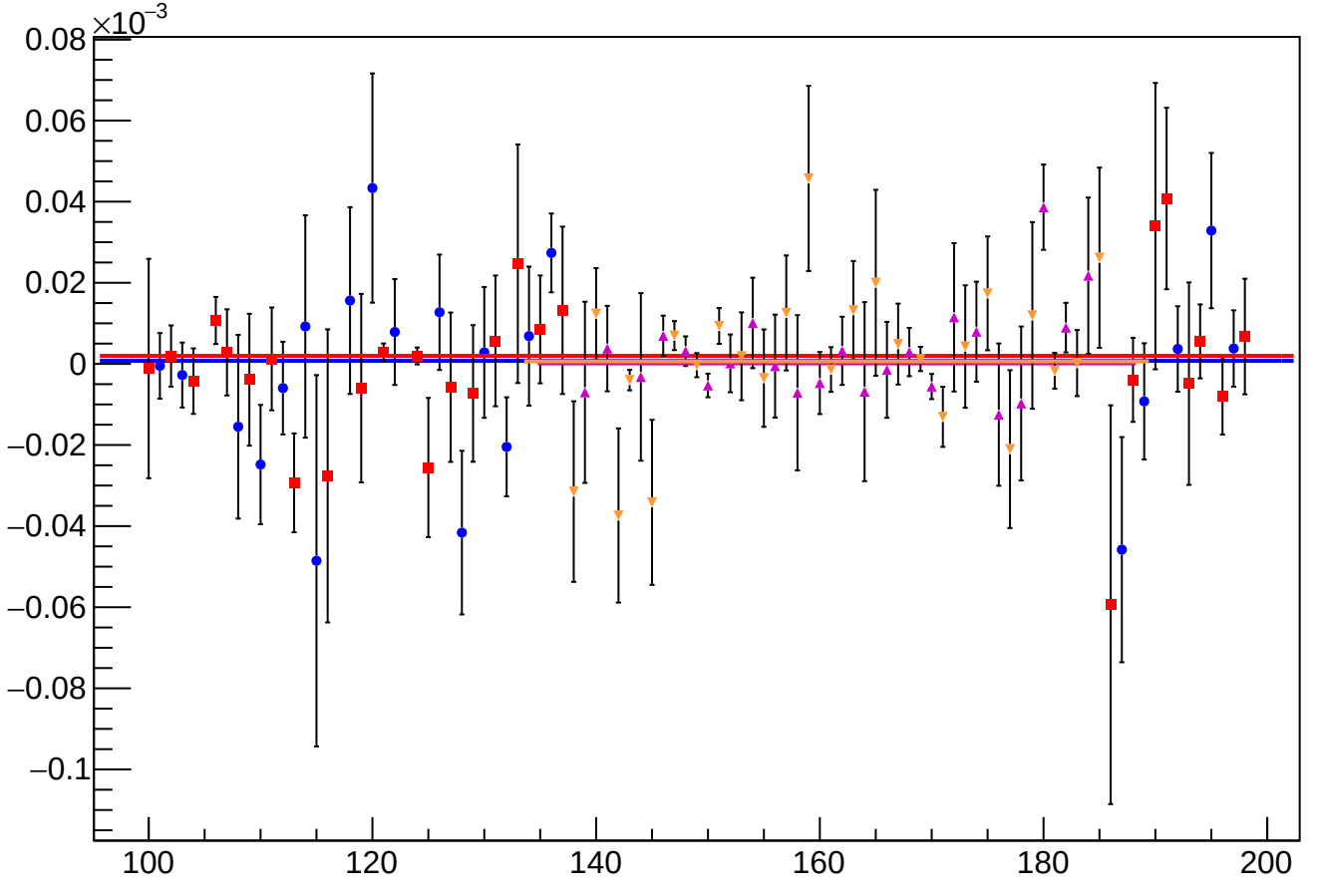
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

Right: 116.933+/-0.019 χ^2/NDF: 6292906.4/47

In: 165.690+/-0.026 χ^2/NDF:15256742.7/43

Out: 144.799+/-0.023 χ^2/NDF:20896770.8/51

All: 153.938+/-0.017 χ^2/NDF: 36515165.0/95



Right In: 0.000+/-0.000 χ^2/NDF: 30.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/26

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

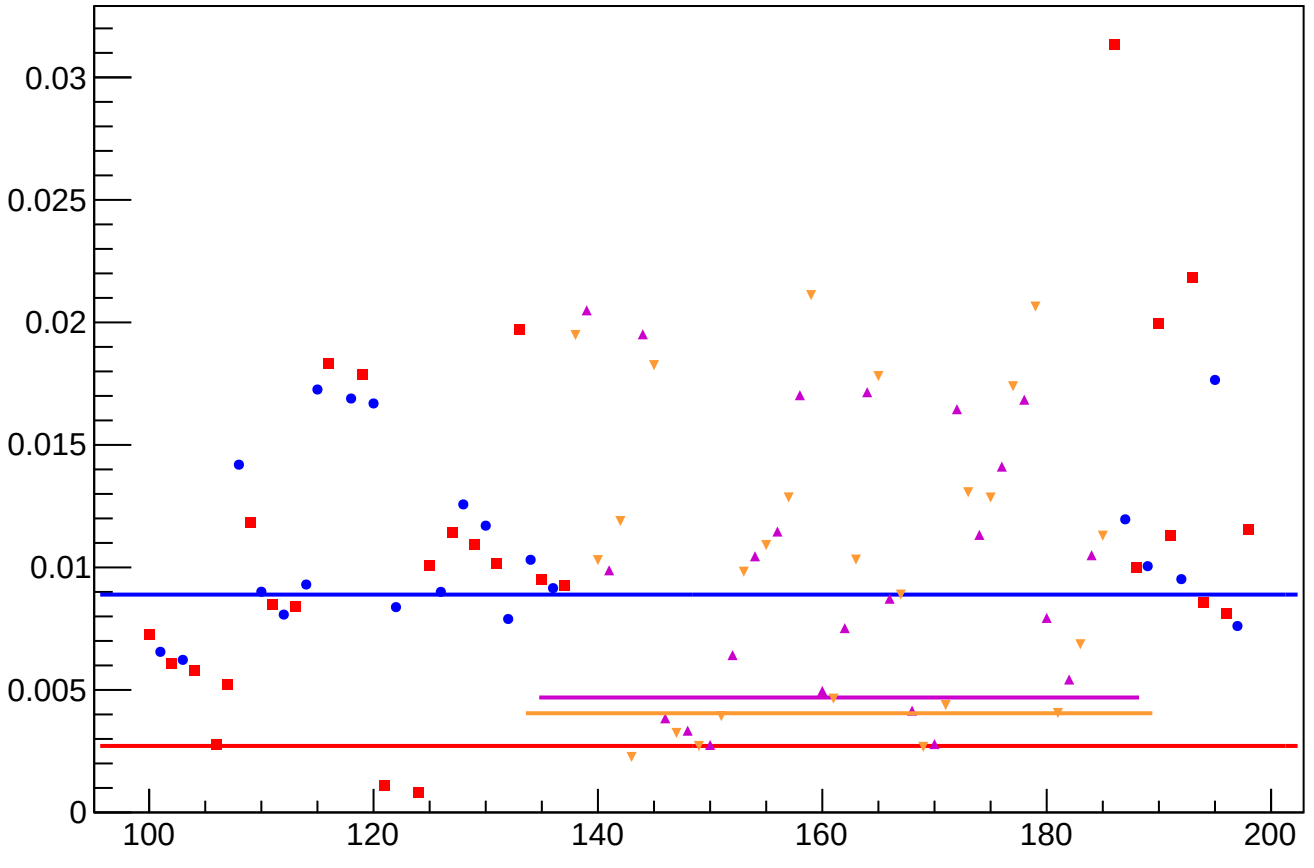
Left: 0.000+/-0.000 χ^2/NDF: 64.5/47

Right: 0.000+/-0.000 χ^2/NDF: 52.5/47

In: 0.000+/-0.000 χ^2/NDF:60.3/43

Out: 0.000+/-0.000 χ^2/NDF:57.1/51

All: 0.000+/-0.000 χ^2/NDF: 117.8/95



Right In: 0.009+/-0.000 χ^2/NDF: 1628951.2/20

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 15298484.1/26

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

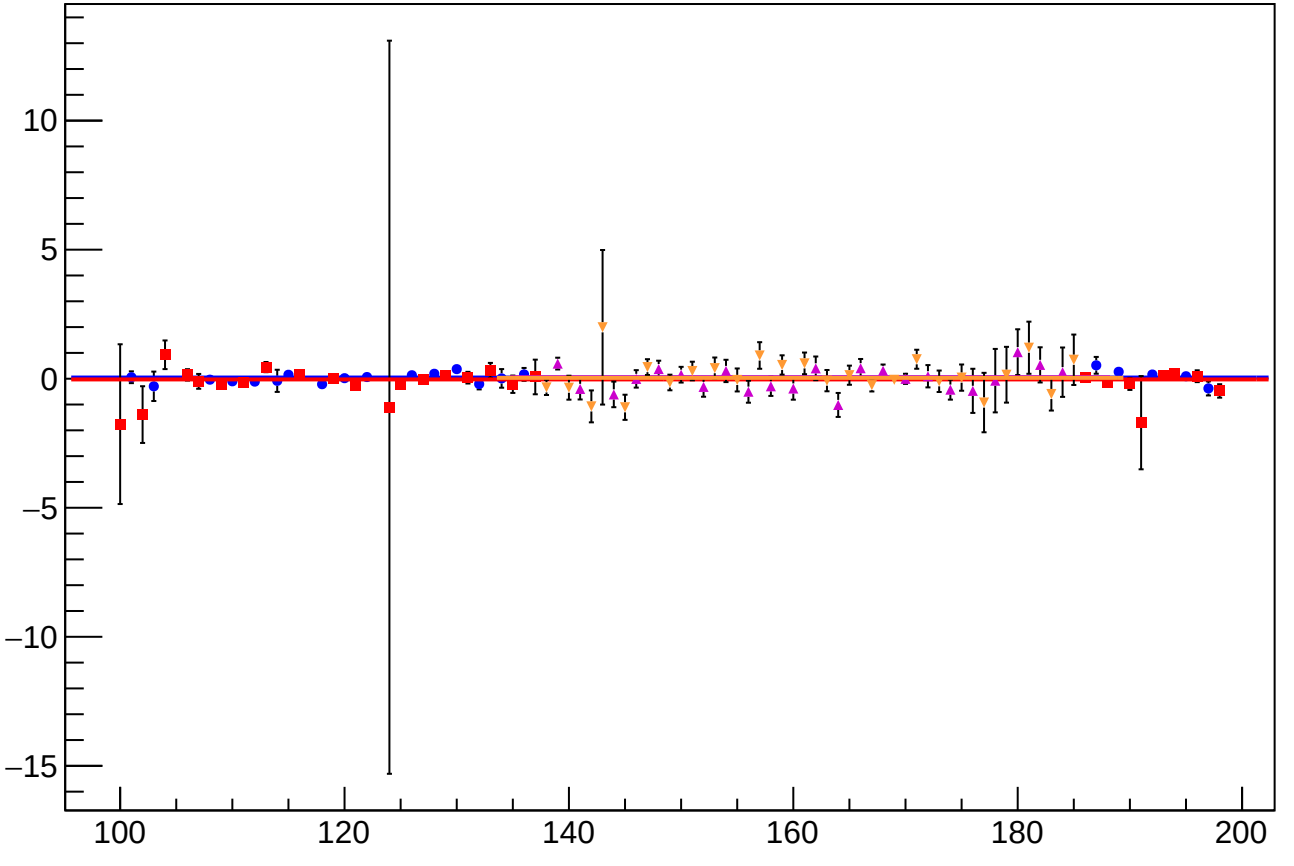
Right: 0.004+/-0.000 χ^2/NDF: 24403107.4/47

In: 0.005+/-0.000 χ^2/NDF:15846614.4/43

Out: 0.003+/-0.000 χ^2/NDF:30004742.3/51

All: 0.004+/-0.000 χ^2/NDF: 49382702.7/95

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.042 χ^2/NDF: 19.1/20

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.028+/-0.036 χ^2/NDF: 31.3/26

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

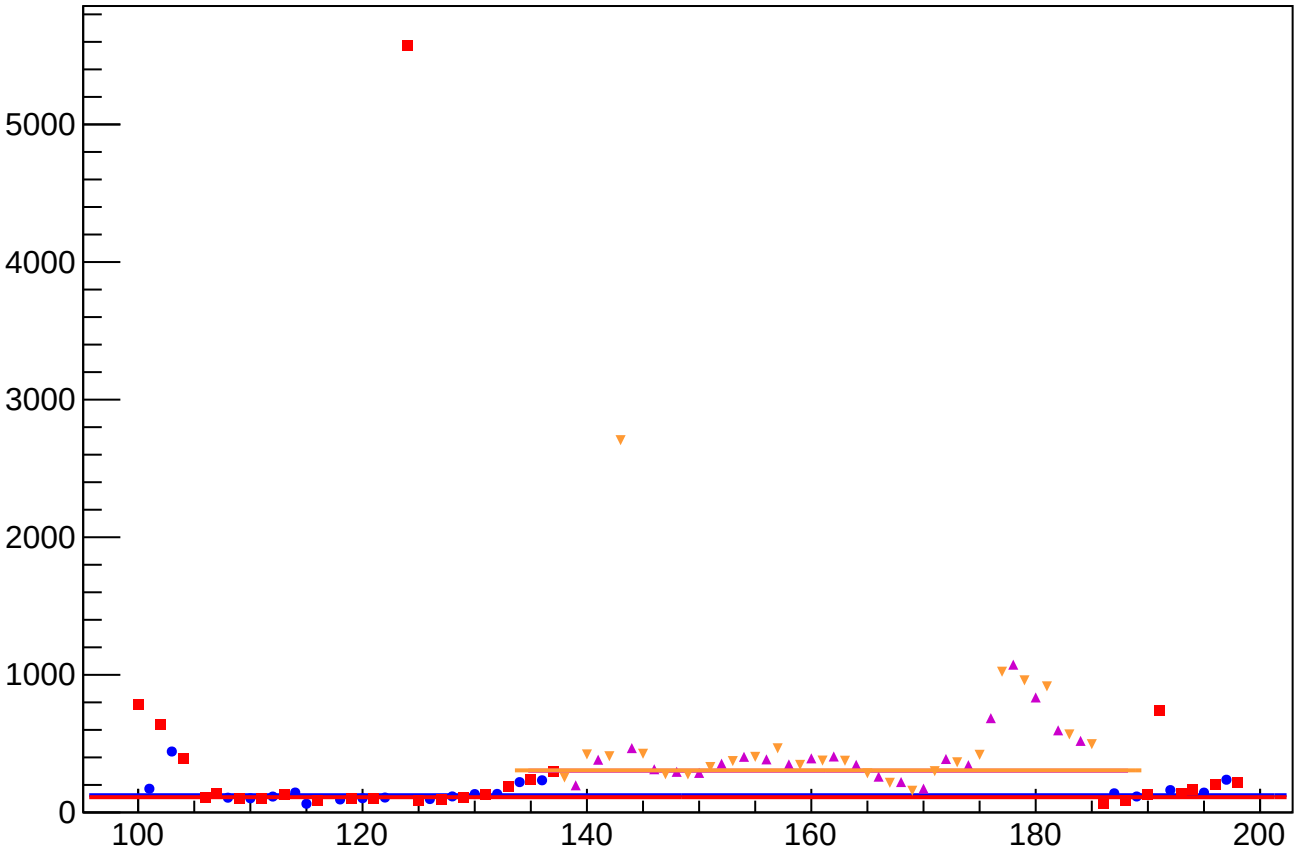
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: 0.003+/-0.027 χ^2/NDF: 52.2/47

In: 0.048+/-0.037 χ^2/NDF:45.2/43

Out: -0.017+/-0.032 χ^2/NDF:62.3/51

All: 0.011+/-0.024 χ^2/NDF: 109.2/95



Right In: 125.240+/-0.030 χ^2/NDF: 2245477.0/20

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 110.891+/-0.025 χ^2/NDF: 3911552.4/26

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

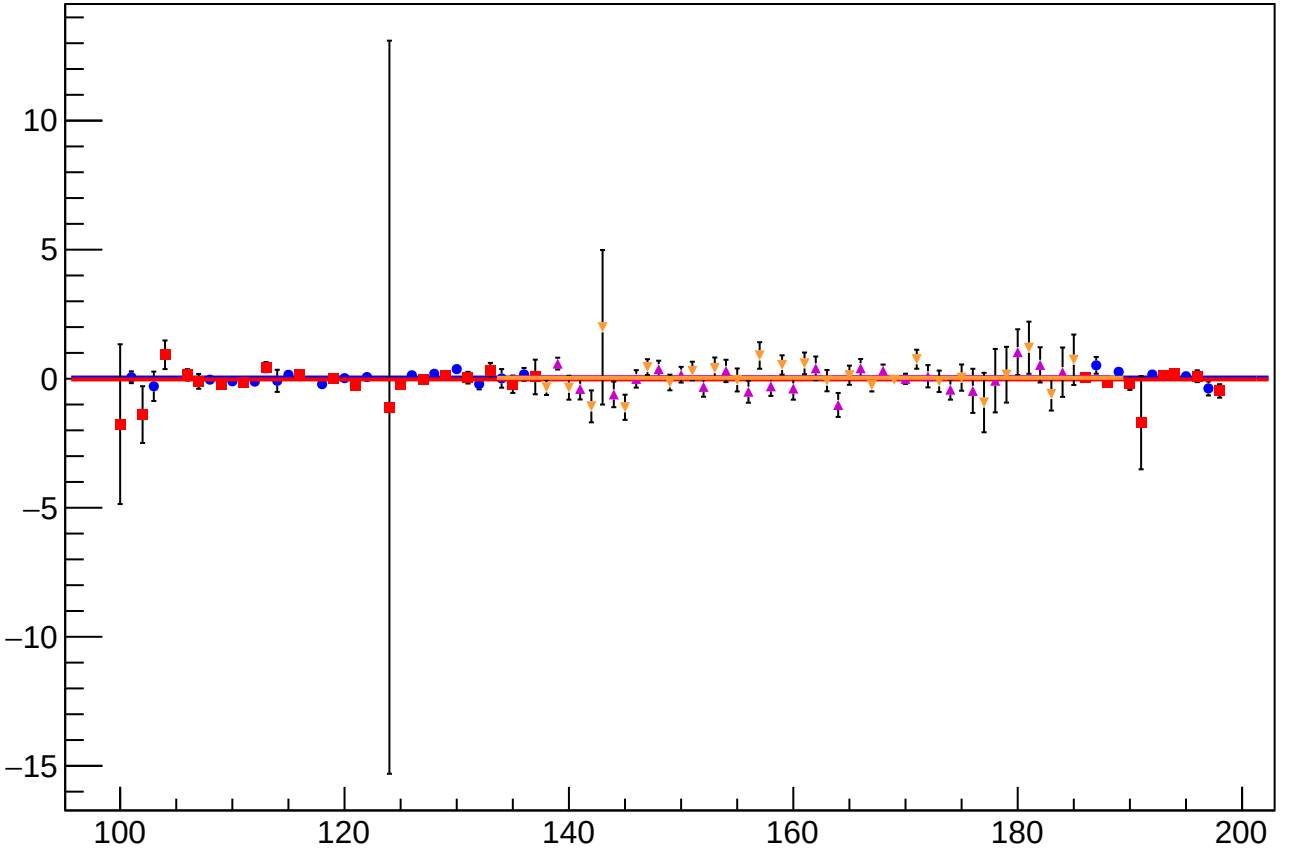
Right: 116.934+/-0.019 χ^2/NDF: 6292702.0/47

In: 165.691+/-0.026 χ^2/NDF:15256799.4/43

Out: 144.800+/-0.023 χ^2/NDF:20896621.3/51

All: 153.939+/-0.017 χ^2/NDF: 36515064.1/95

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.042 χ^2/NDF: 19.1/20

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.028+/-0.036 χ^2/NDF: 31.3/26

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

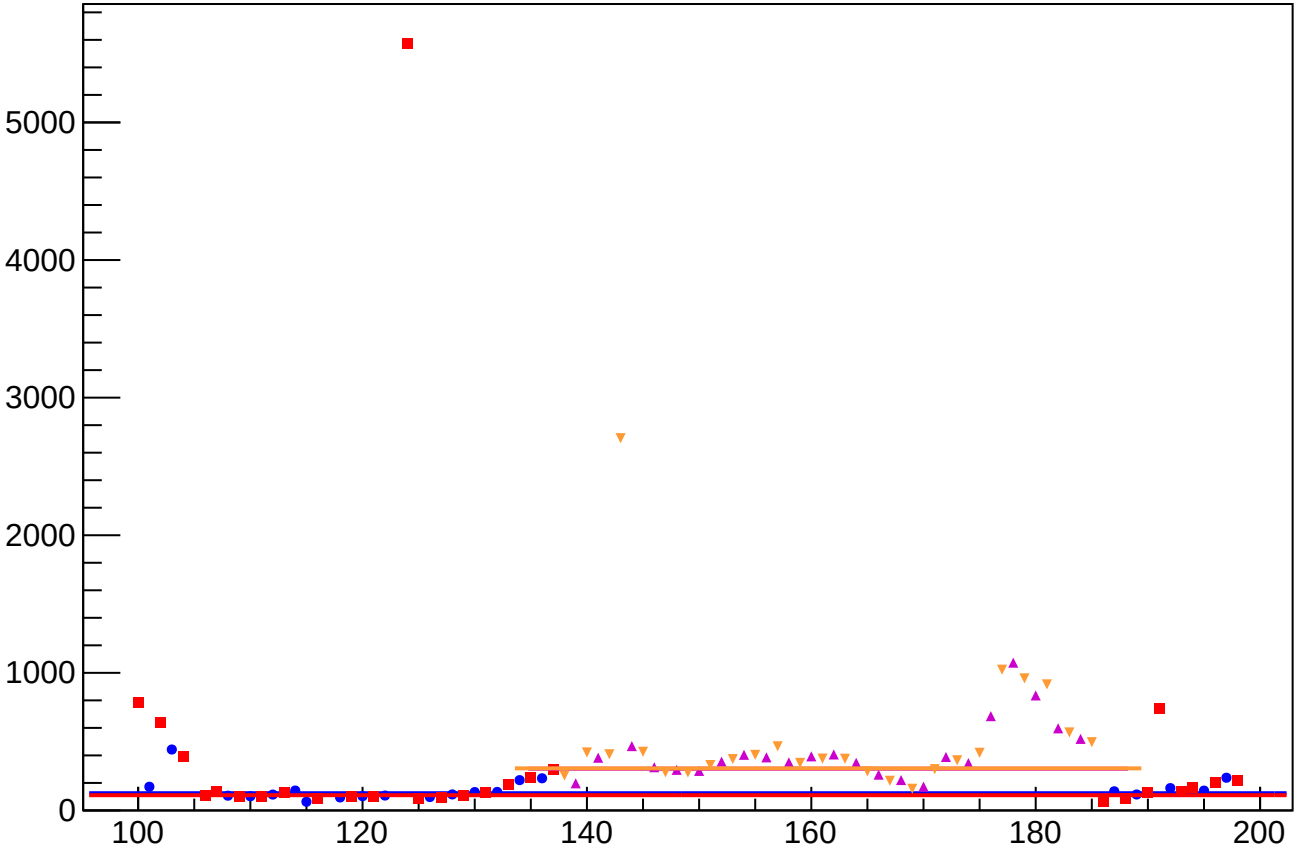
Right: 0.003+/-0.027 χ^2/NDF: 52.2/47

In: 0.048+/-0.037 χ^2/NDF:45.2/43

Out: -0.017+/-0.032 χ^2/NDF:62.3/51

All: 0.011+/-0.024 χ^2/NDF: 109.2/95

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 125.240+/-0.030 χ^2/NDF: 2245477.0/20

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 110.891+/-0.025 χ^2/NDF: 3911552.4/26

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

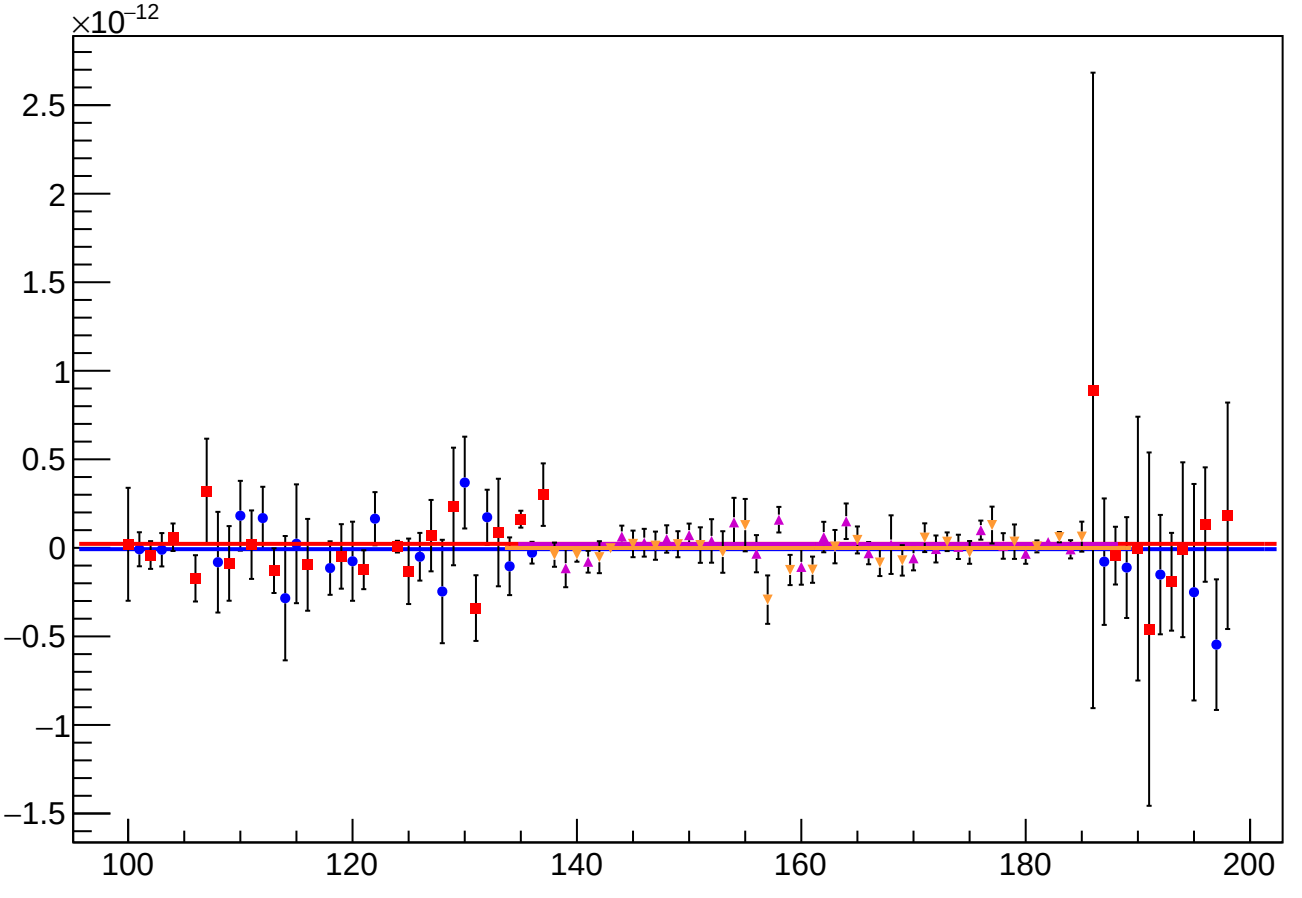
Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

Right: 116.934+/-0.019 χ^2/NDF: 6292702.0/47

In: 165.691+/-0.026 χ^2/NDF:15256799.4/43

Out: 144.800+/-0.023 χ^2/NDF:20896621.3/51

All: 153.939+/-0.017 χ^2/NDF: 36515064.1/95



Right In: -0.000+/-0.000 χ^2/NDF: 11.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/26

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

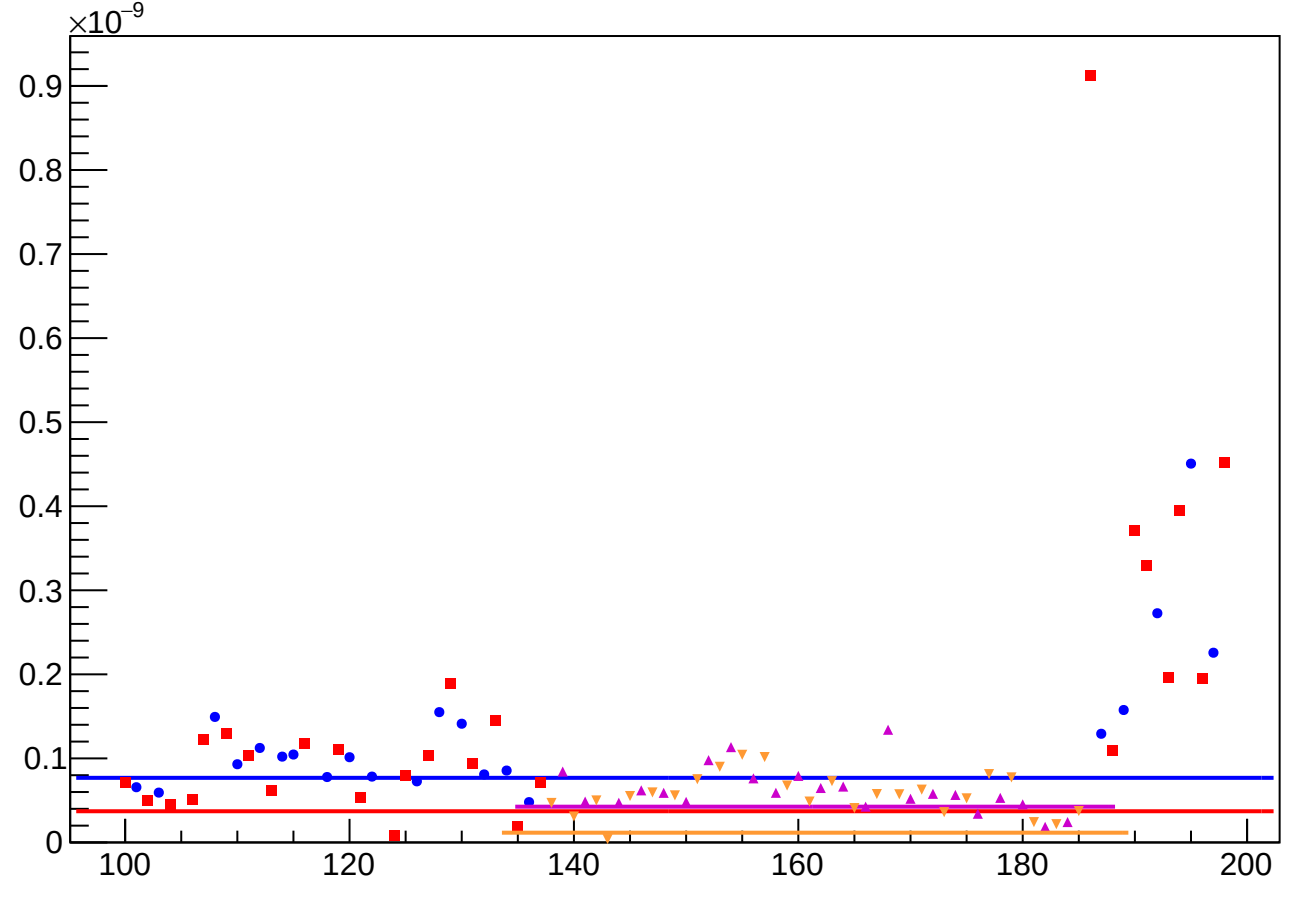
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

Right: 0.000+/-0.000 χ^2/NDF: 38.1/47

In: 0.000+/-0.000 χ^2/NDF:32.0/43

Out: 0.000+/-0.000 χ^2/NDF:48.8/51

All: 0.000+/-0.000 χ^2/NDF: 82.4/95



Right In: 0.000+/-0.000 χ^2/NDF: 3040695.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9022224.4/26

Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

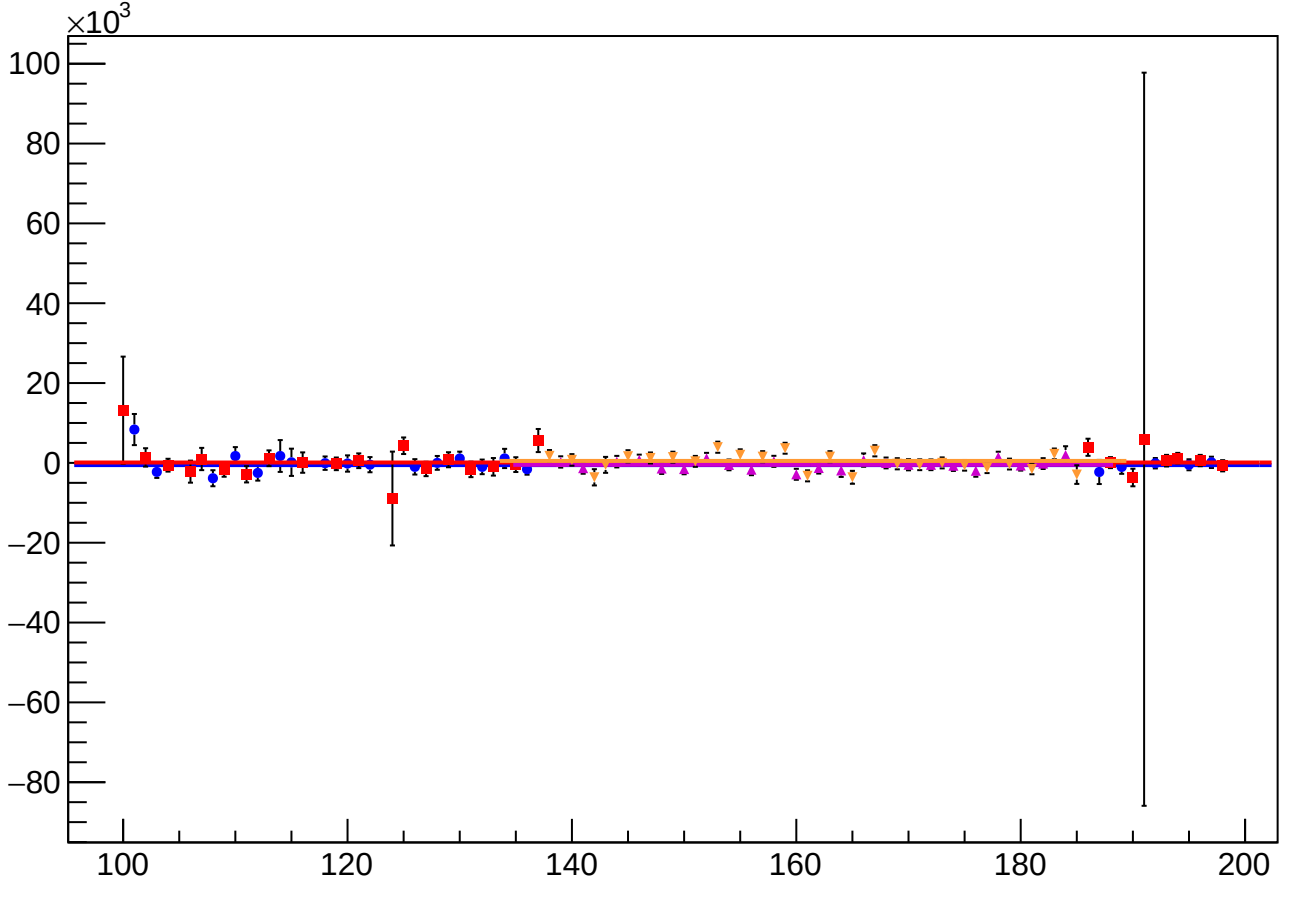
Left: 0.000+/-0.000 χ^2/NDF: 32408011.0/47

Right: 0.000+/-0.000 χ^2/NDF: 14055140.1/47

In: 0.000+/-0.000 χ^2/NDF:10260716.0/43

Out: 0.000+/-0.000 χ^2/NDF:29553902.3/51

All: 0.000+/-0.000 χ^2/NDF: 52161197.0/95



Right In: -554.707+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 94.811+/-372.963 χ^2/NDF: 23.3/26

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

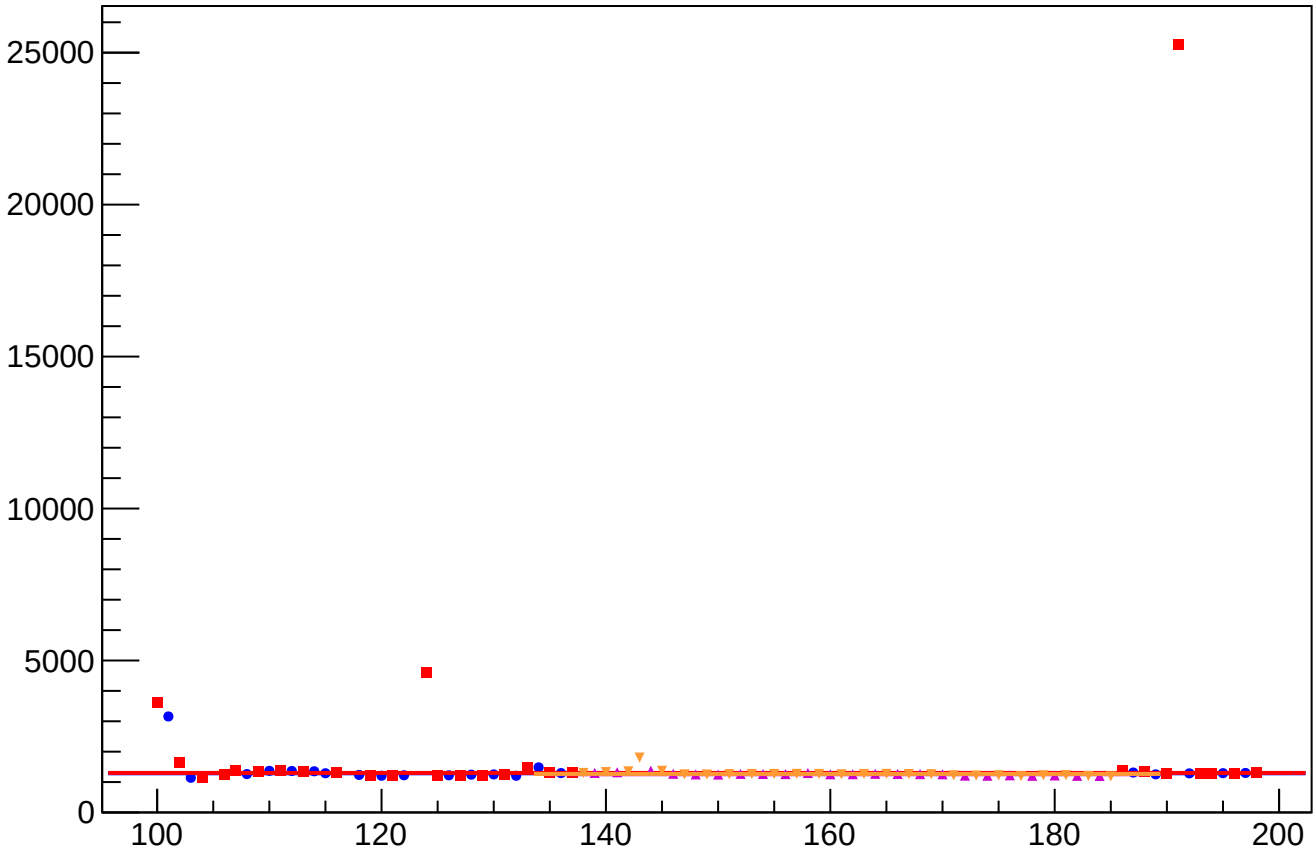
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -207.160+/-272.821 χ^2/NDF: 39.4/47

In: -510.598+/-236.799 χ^2/NDF:29.1/43

Out: 343.352+/-228.194 χ^2/NDF:70.9/51

All: -67.827+/-164.315 χ^2/NDF: 106.8/95



Right In: 1288.745+/-0.283 χ^2/NDF: 515758.7/20

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1300.666+/-0.263 χ^2/NDF: 465813.1/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

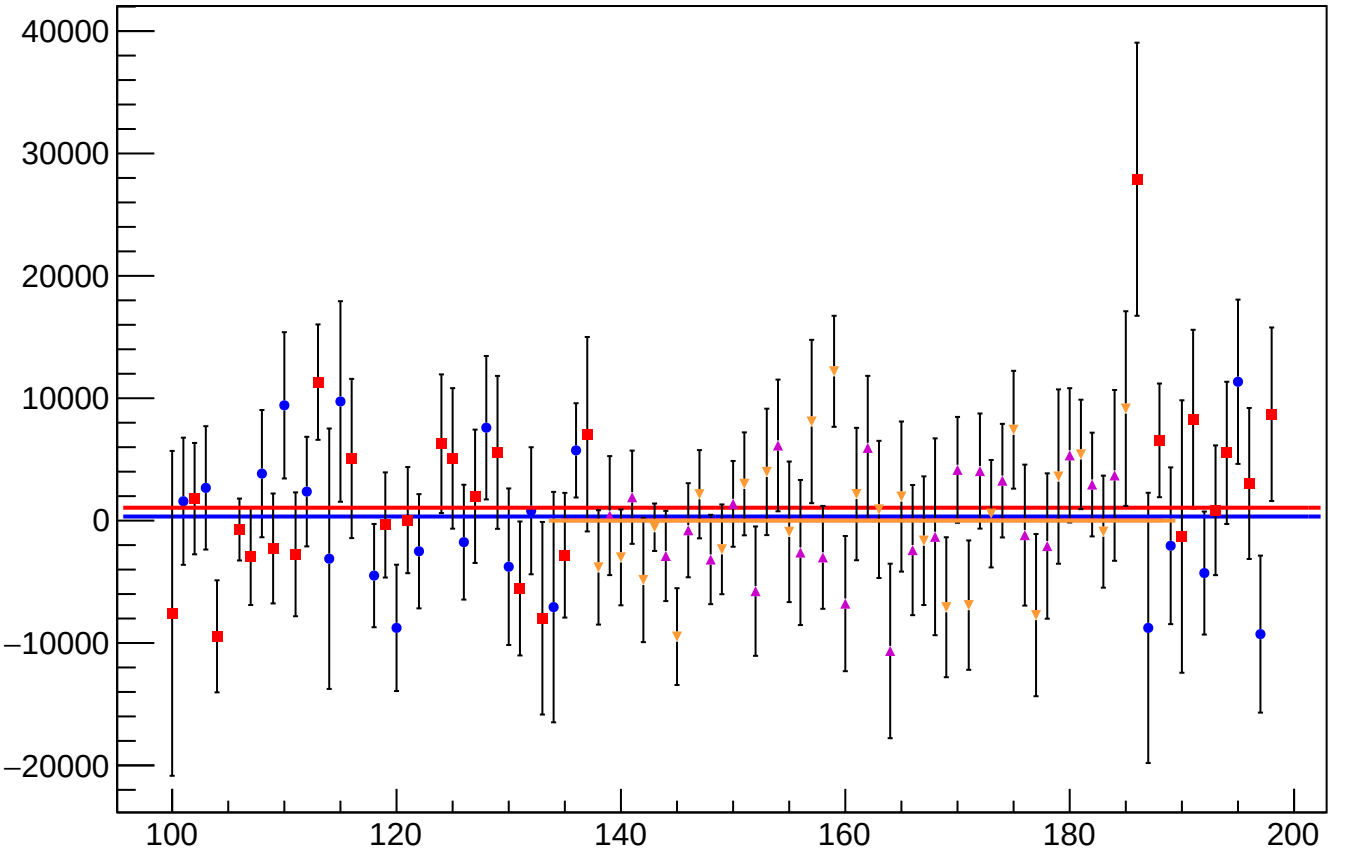
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1295.133+/-0.193 χ^2/NDF: 982523.1/47

In: 1268.477+/-0.167 χ^2/NDF:560473.2/43

Out: 1279.607+/-0.161 χ^2/NDF:663593.6/51

All: 1274.251+/-0.116 χ^2/NDF: 1226358.9/95



Right In: 334.878+/-1205.577 χ^2/NDF: 20.8/20

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 1054.355+/-998.678 χ^2/NDF: 29.5/26

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

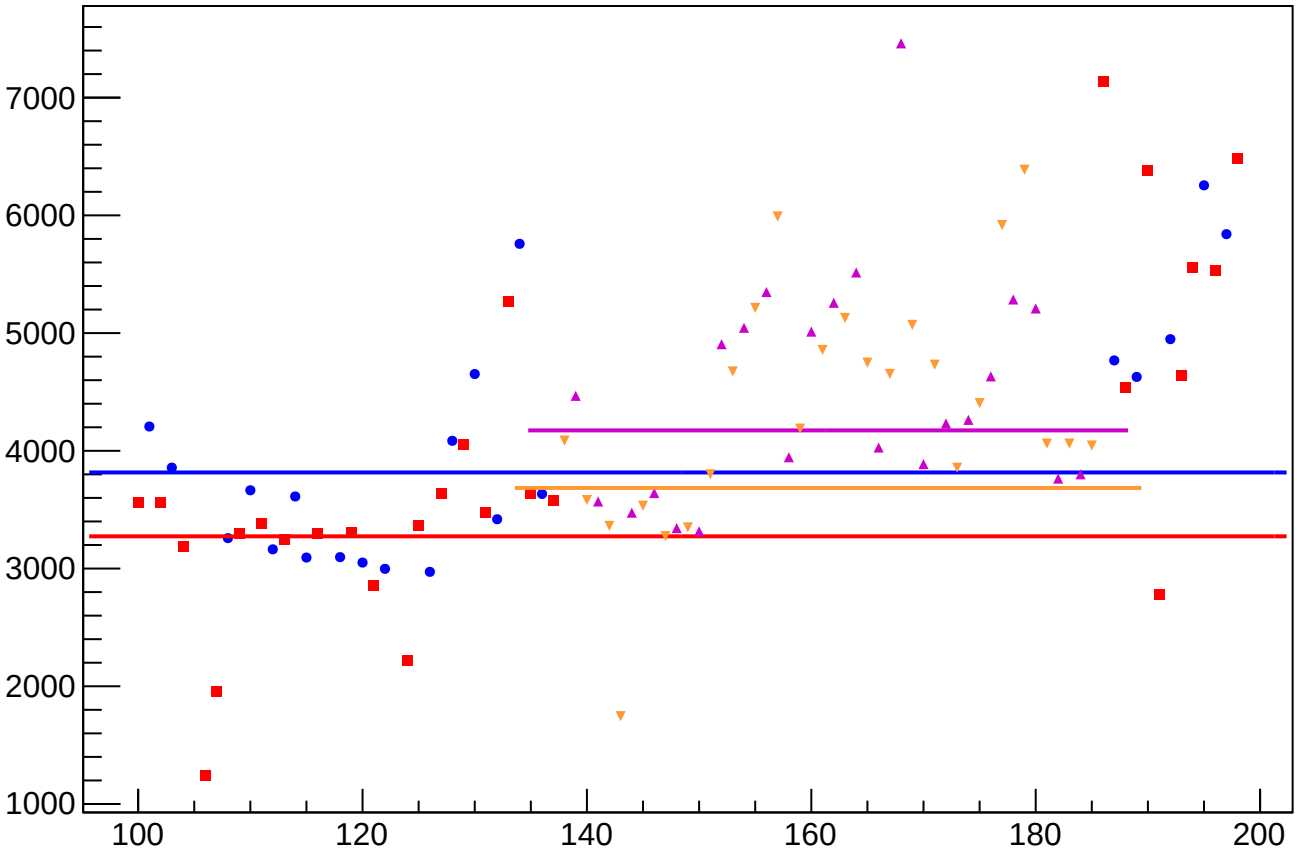
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 761.560+/-769.075 χ^2/NDF: 50.5/47

In: 154.528+/-767.552 χ^2/NDF:34.9/43

Out: 464.314+/-662.973 χ^2/NDF:59.2/51

All: 331.948+/-501.725 χ^2/NDF: 94.1/95



Right In: 3816.131+/-0.852 χ^2/NDF: 1074419.0/20

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3273.733+/-0.706 χ^2/NDF: 3466611.3/26

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

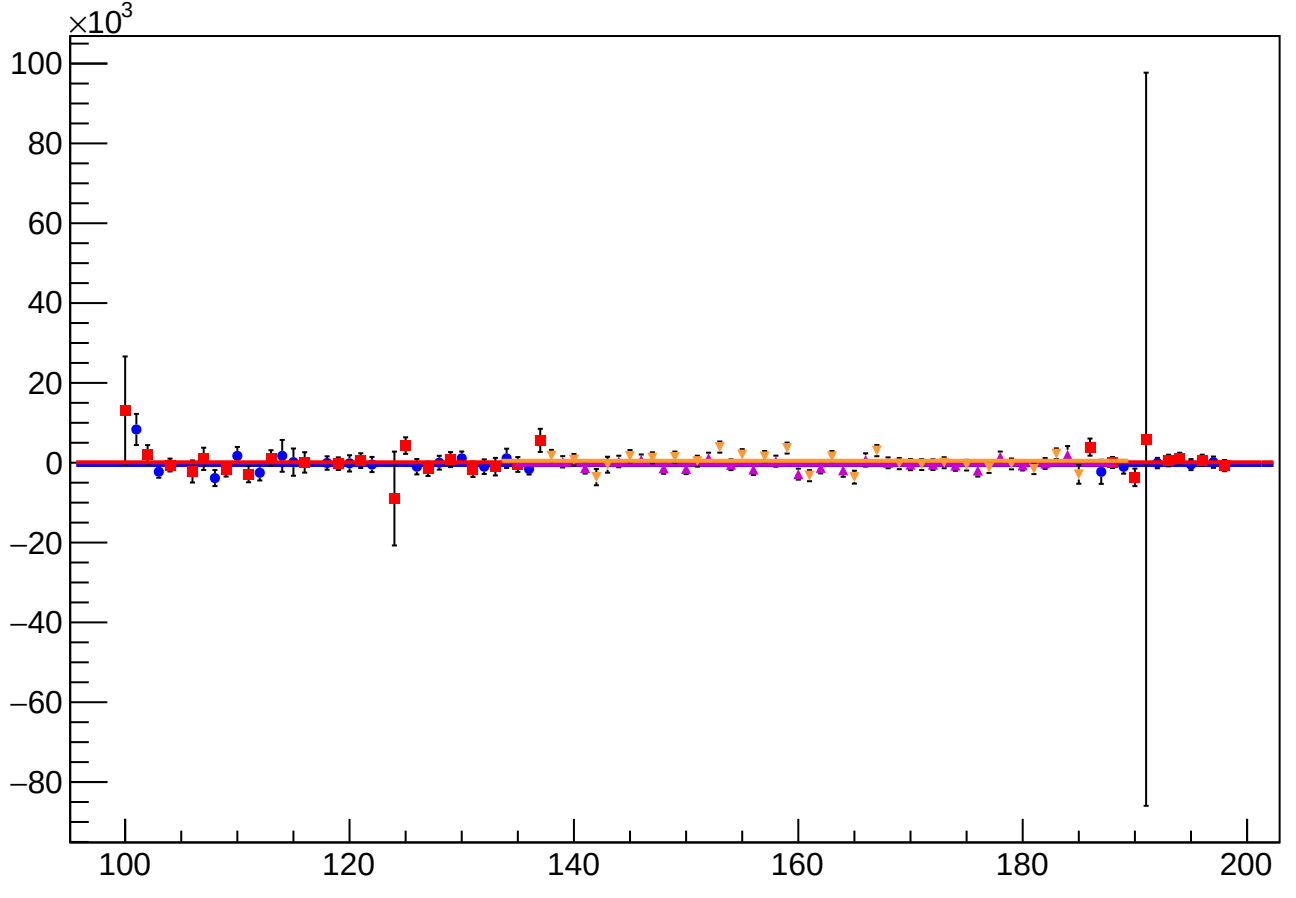
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3494.465+/-0.544 χ^2/NDF: 4781114.2/47

In: 4028.676+/-0.543 χ^2/NDF:2453925.9/43

Out: 3503.626+/-0.469 χ^2/NDF:7349747.5/51

All: 3727.971+/-0.355 χ^2/NDF: 10339661.8/9



Right In: -554.967+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 111.879+/-373.108 χ^2/NDF: 23.7/26

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

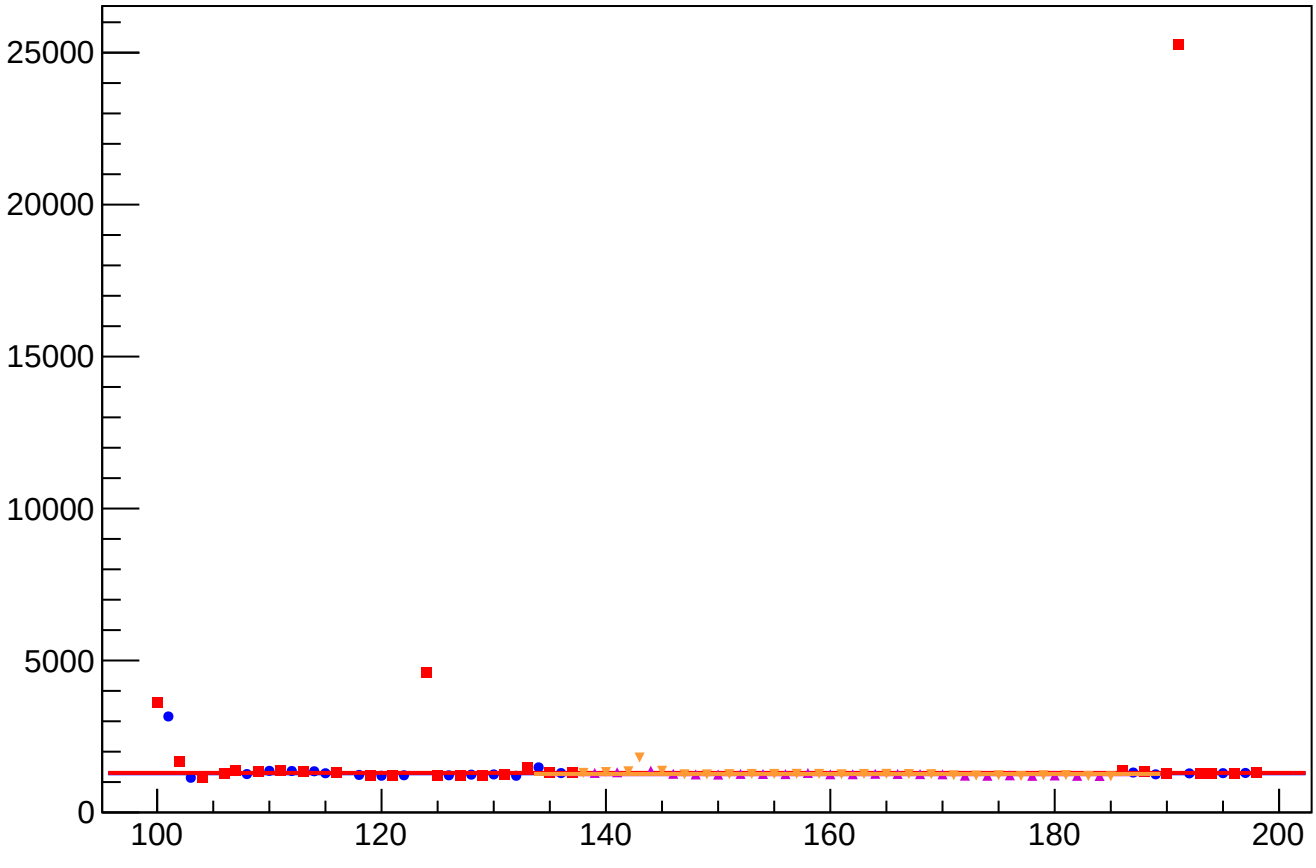
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -198.276+/-272.877 χ^2/NDF: 39.9/47

In: -510.623+/-236.799 χ^2/NDF:29.1/43

Out: 349.820+/-228.227 χ^2/NDF:71.3/51

All: -64.547+/-164.328 χ^2/NDF: 107.2/95



Right In: 1288.745+/-0.283 χ^2/NDF: 515760.2/20

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1301.856+/-0.264 χ^2/NDF: 472291.3/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

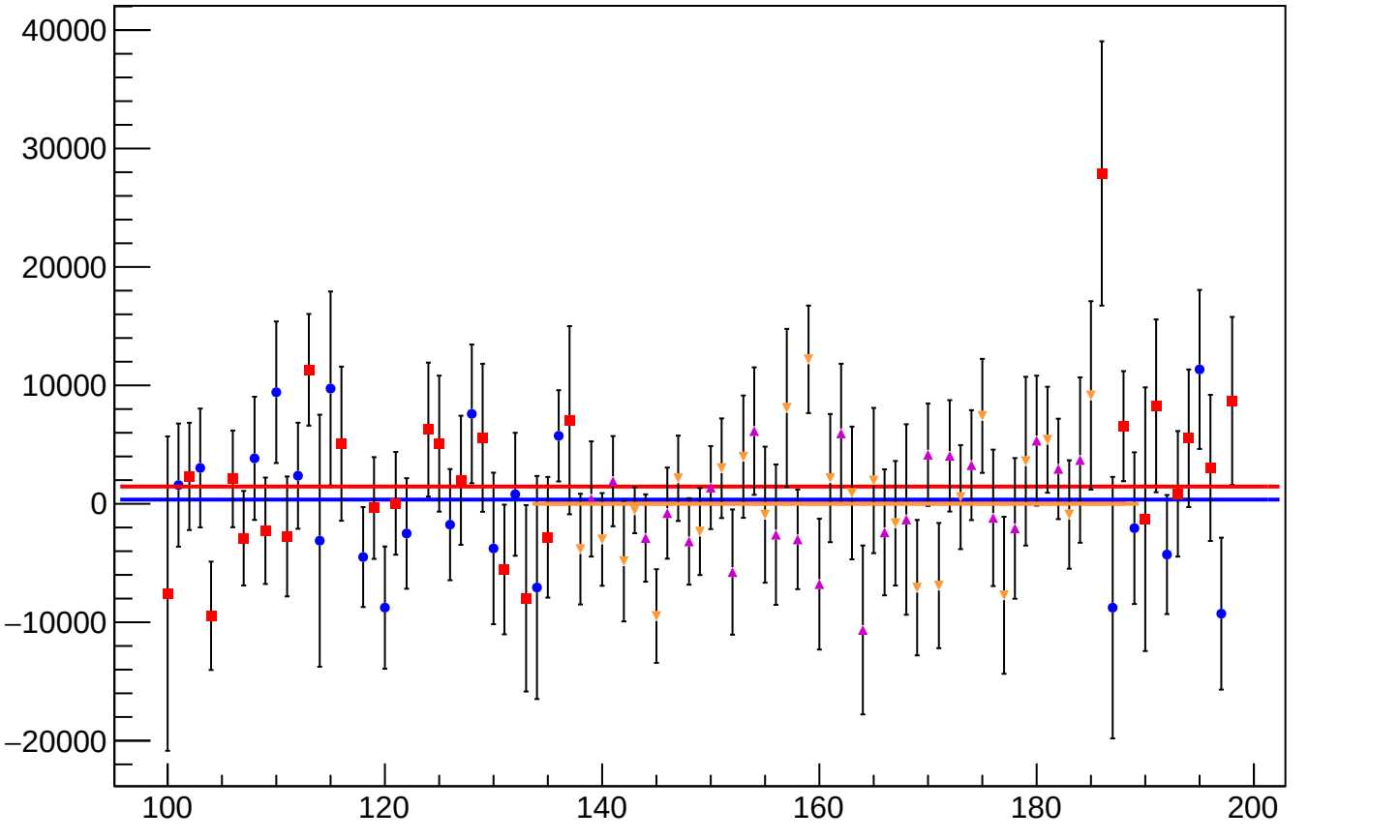
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1295.765+/-0.193 χ^2/NDF: 989201.5/47

In: 1268.477+/-0.167 χ^2/NDF:560474.6/43

Out: 1280.040+/-0.161 χ^2/NDF:670796.3/51

All: 1274.474+/-0.116 χ^2/NDF: 1233744.0/95



Right In: 356.476+/-1205.235 χ^2/NDF: 20.9/20

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1458.117+/-1050.045 χ^2/NDF: 29.0/26

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

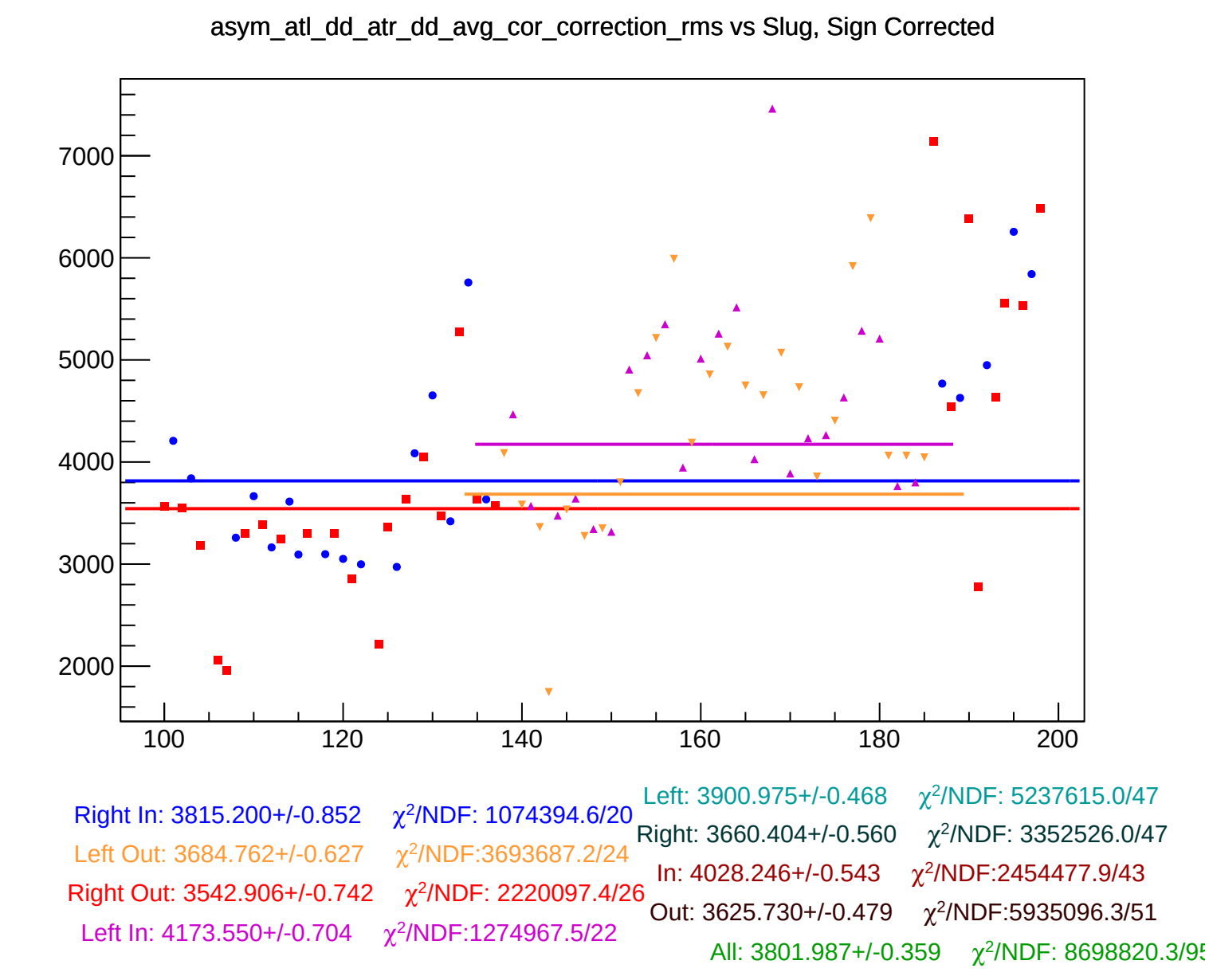
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

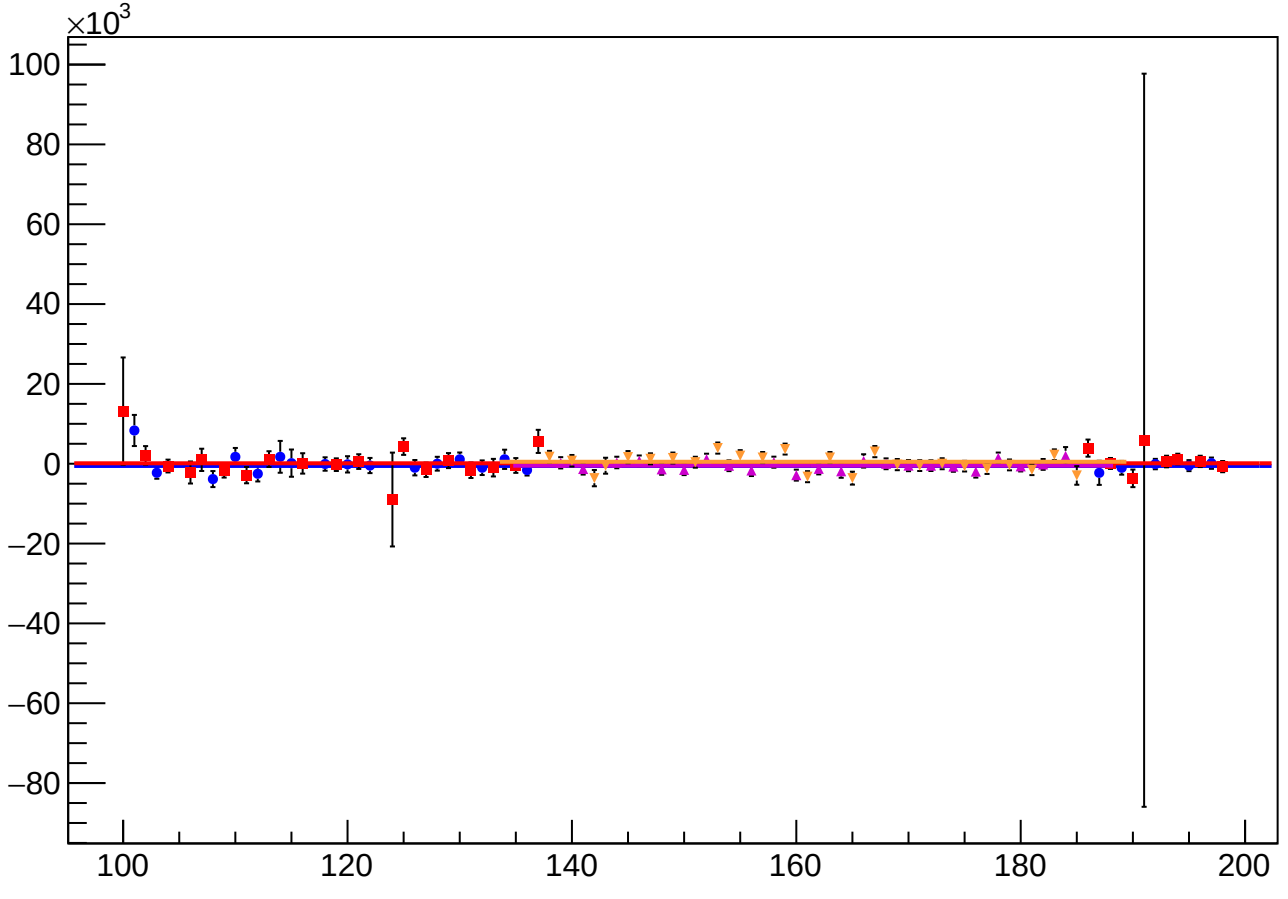
Right: 982.746+/-791.714 χ^2/NDF: 50.3/47

In: 163.329+/-767.462 χ^2/NDF:34.9/43

Out: 606.464+/-677.372 χ^2/NDF:59.1/51

All: 412.421+/-507.854 χ^2/NDF: 94.3/95


asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 3815.200+/-0.852 χ²/NDF: 1074394.6/20
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3542.906+/-0.742 χ²/NDF: 2220097.4/26
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 3660.404+/-0.560 χ²/NDF: 3352526.0/47
In: 4028.246+/-0.543 χ²/NDF:2454477.9/43
Out: 3625.730+/-0.479 χ²/NDF:5935096.3/51
All: 3801.987+/-0.359 χ²/NDF: 8698820.3/95



Right In: -554.967+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 111.879+/-373.108 χ^2/NDF: 23.7/26

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

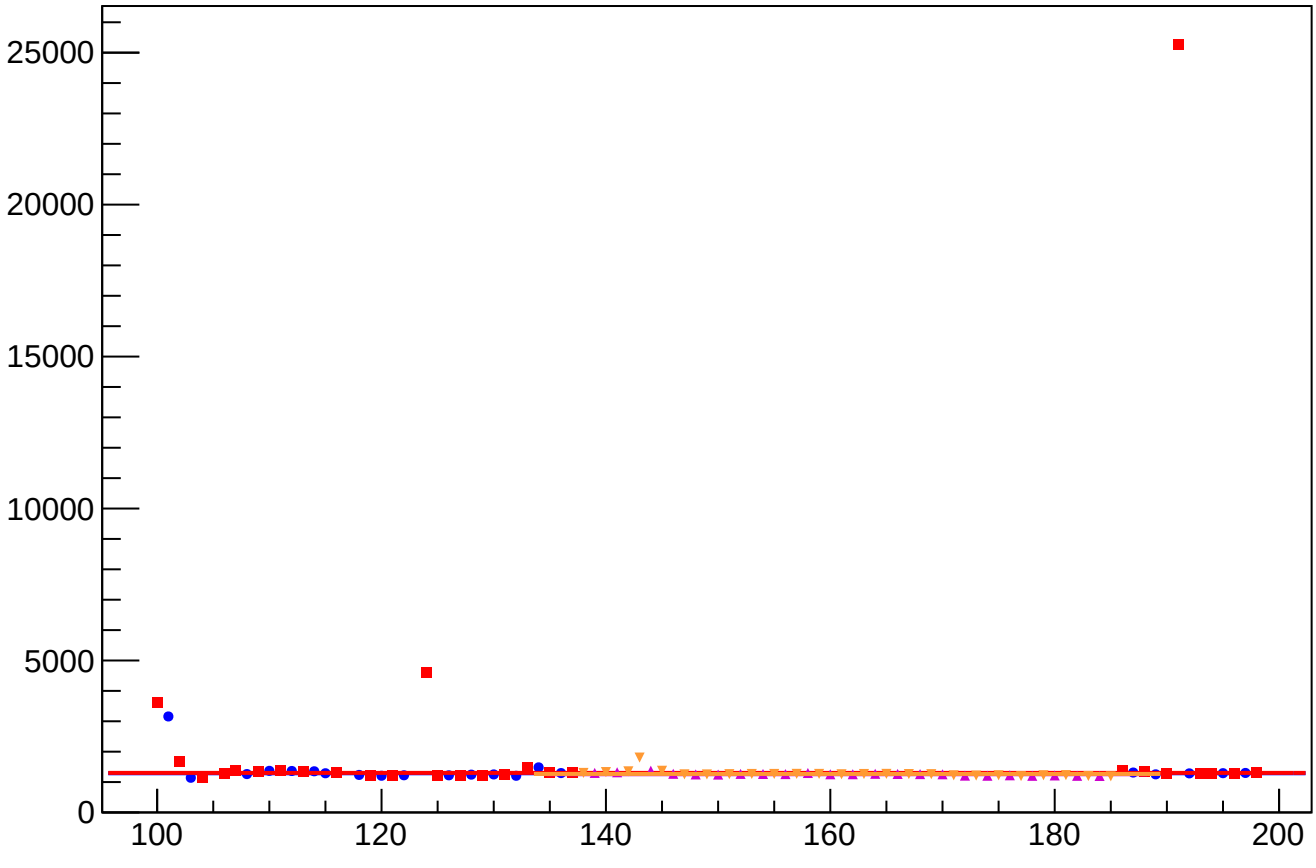
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -198.276+/-272.877 χ^2/NDF: 39.9/47

In: -510.623+/-236.799 χ^2/NDF:29.1/43

Out: 349.820+/-228.227 χ^2/NDF:71.3/51

All: -64.547+/-164.328 χ^2/NDF: 107.2/95



Right In: 1288.745+/-0.283 χ^2/NDF: 515760.2/20

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1301.856+/-0.264 χ^2/NDF: 472291.3/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

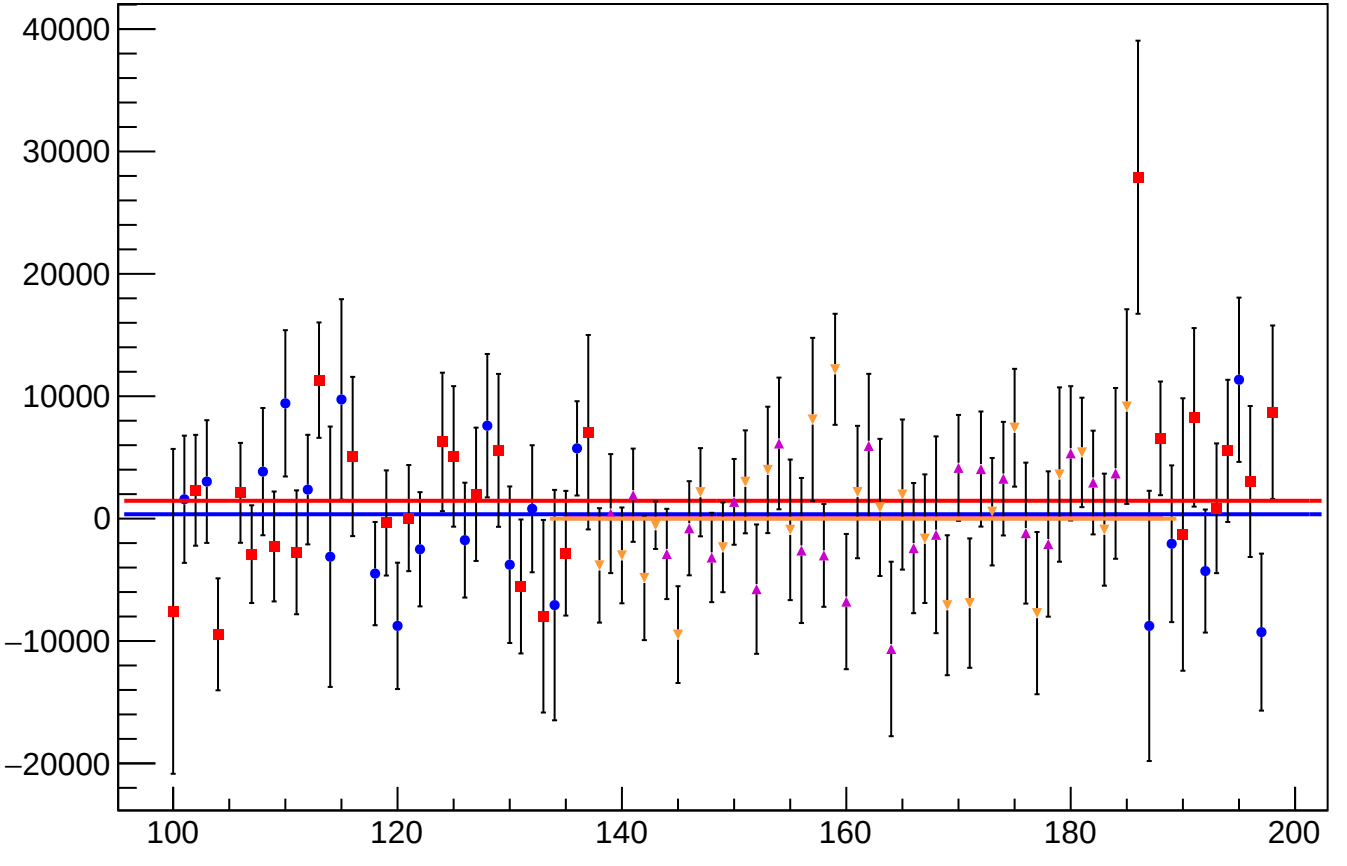
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1295.765+/-0.193 χ^2/NDF: 989201.5/47

In: 1268.477+/-0.167 χ^2/NDF:560474.6/43

Out: 1280.040+/-0.161 χ^2/NDF:670796.3/51

All: 1274.474+/-0.116 χ^2/NDF: 1233744.0/95



Right In: 356.476+/-1205.235 χ^2/NDF: 20.9/20

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1458.117+/-1050.045 χ^2/NDF: 29.0/26

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

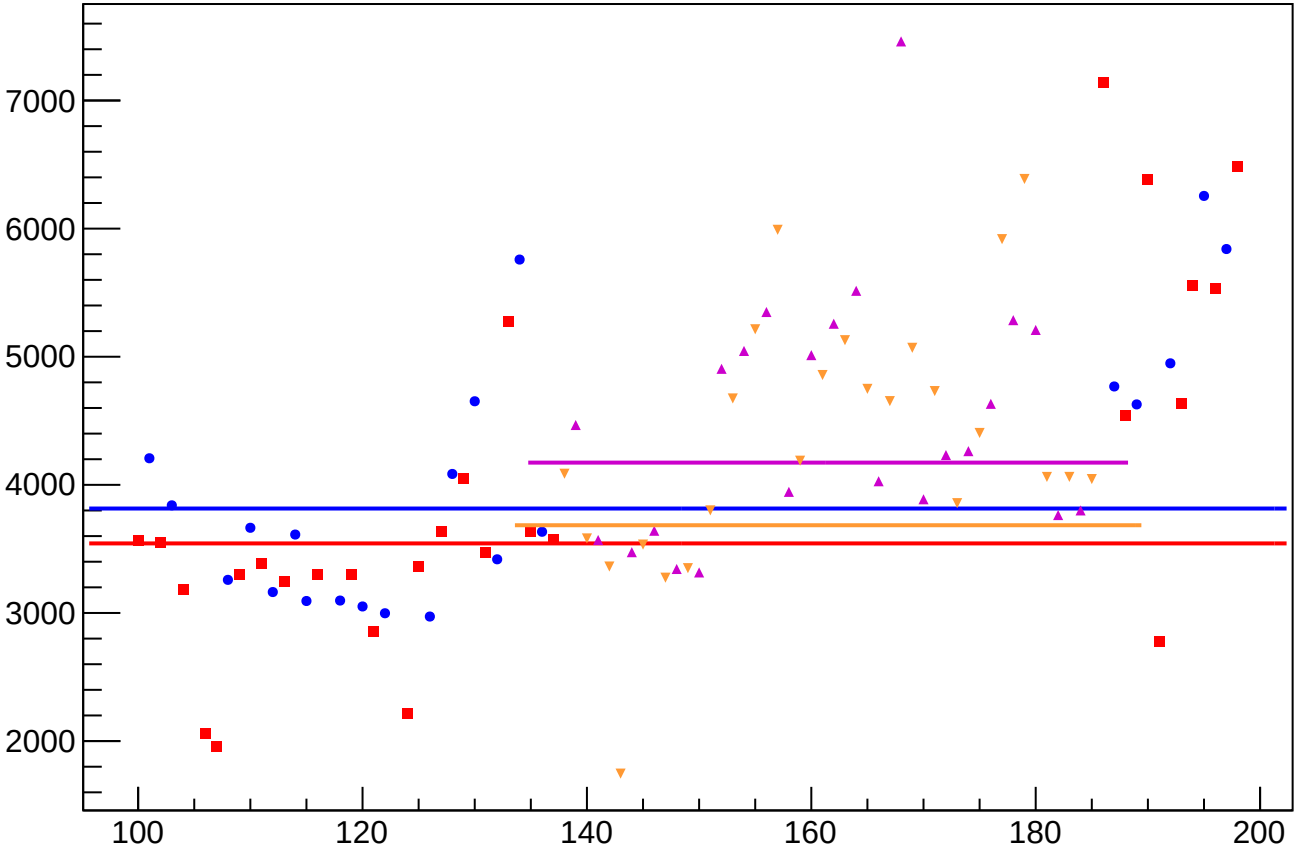
Right: 982.746+/-791.714 χ^2/NDF: 50.3/47

In: 163.329+/-767.462 χ^2/NDF:34.9/43

Out: 606.464+/-677.372 χ^2/NDF:59.1/51

All: 412.421+/-507.854 χ^2/NDF: 94.3/95

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3815.200+/-0.852 χ^2/NDF: 1074394.6/20

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3542.906+/-0.742 χ^2/NDF: 2220097.4/26

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

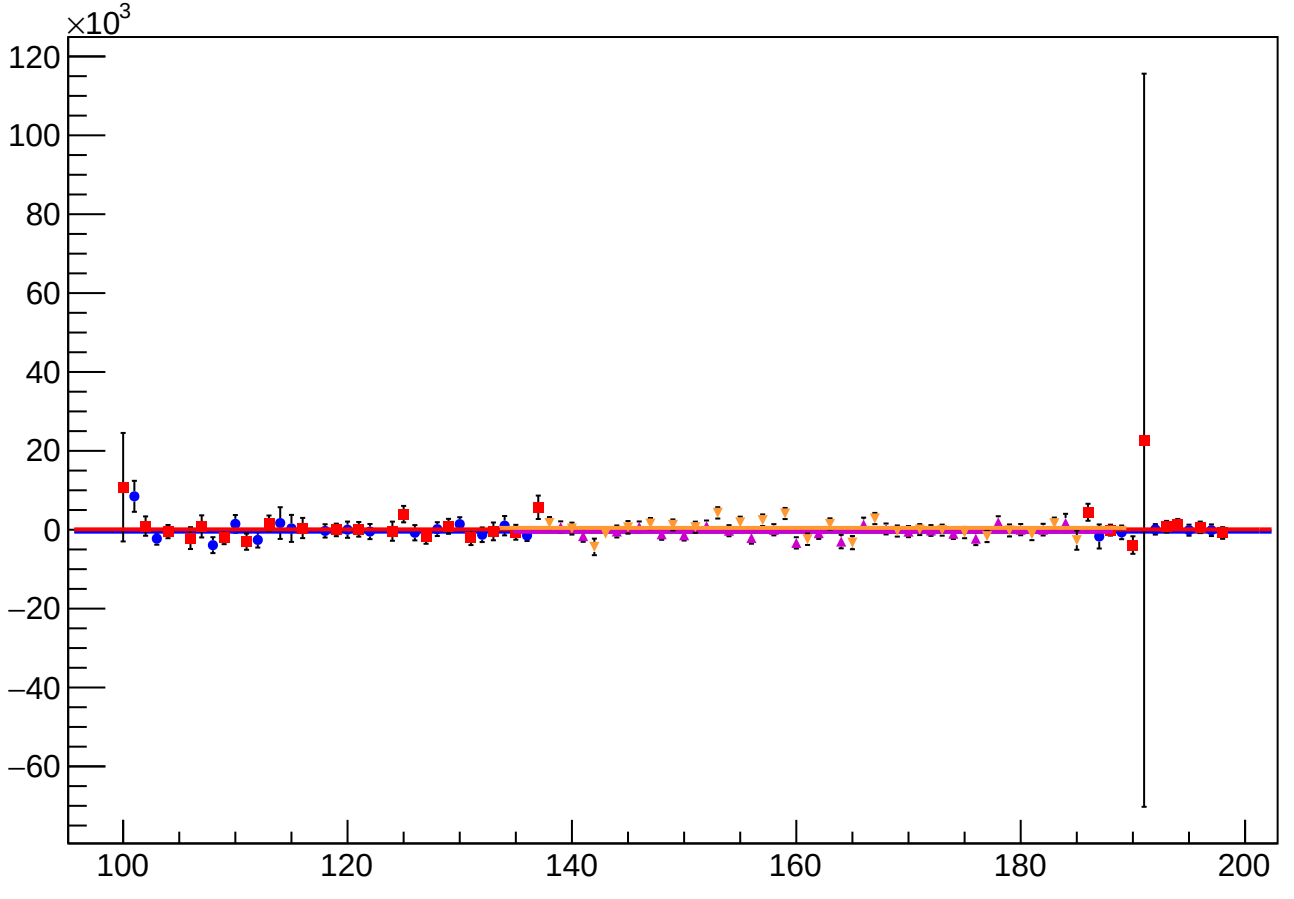
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3660.404+/-0.560 χ^2/NDF: 3352526.0/47

In: 4028.246+/-0.543 χ^2/NDF:2454477.9/43

Out: 3625.730+/-0.479 χ^2/NDF:5935096.3/51

All: 3801.987+/-0.359 χ^2/NDF: 8698820.3/95



Right In: -485.743+/-405.931 χ^2/NDF: 14.7/20

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 93.322+/-374.882 χ^2/NDF: 24.0/26

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

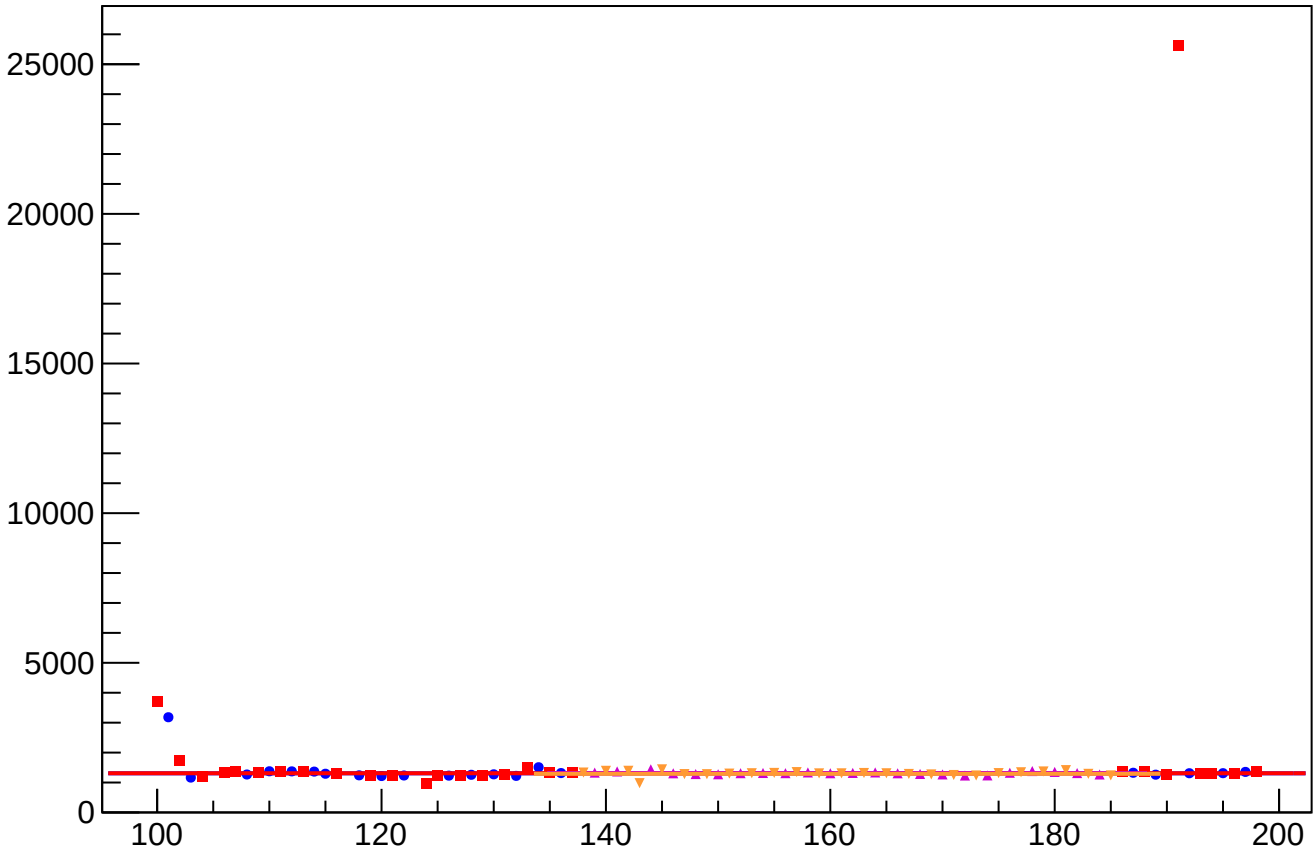
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -173.220+/-275.405 χ^2/NDF: 39.8/47

In: -497.074+/-244.887 χ^2/NDF:32.1/43

Out: 325.116+/-231.468 χ^2/NDF:68.7/51

All: -62.835+/-168.217 χ^2/NDF: 106.8/95



Right In: 1307.353+/-0.287 χ^2/NDF: 514221.9/20

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1310.196+/-0.265 χ^2/NDF: 363097.7/26

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

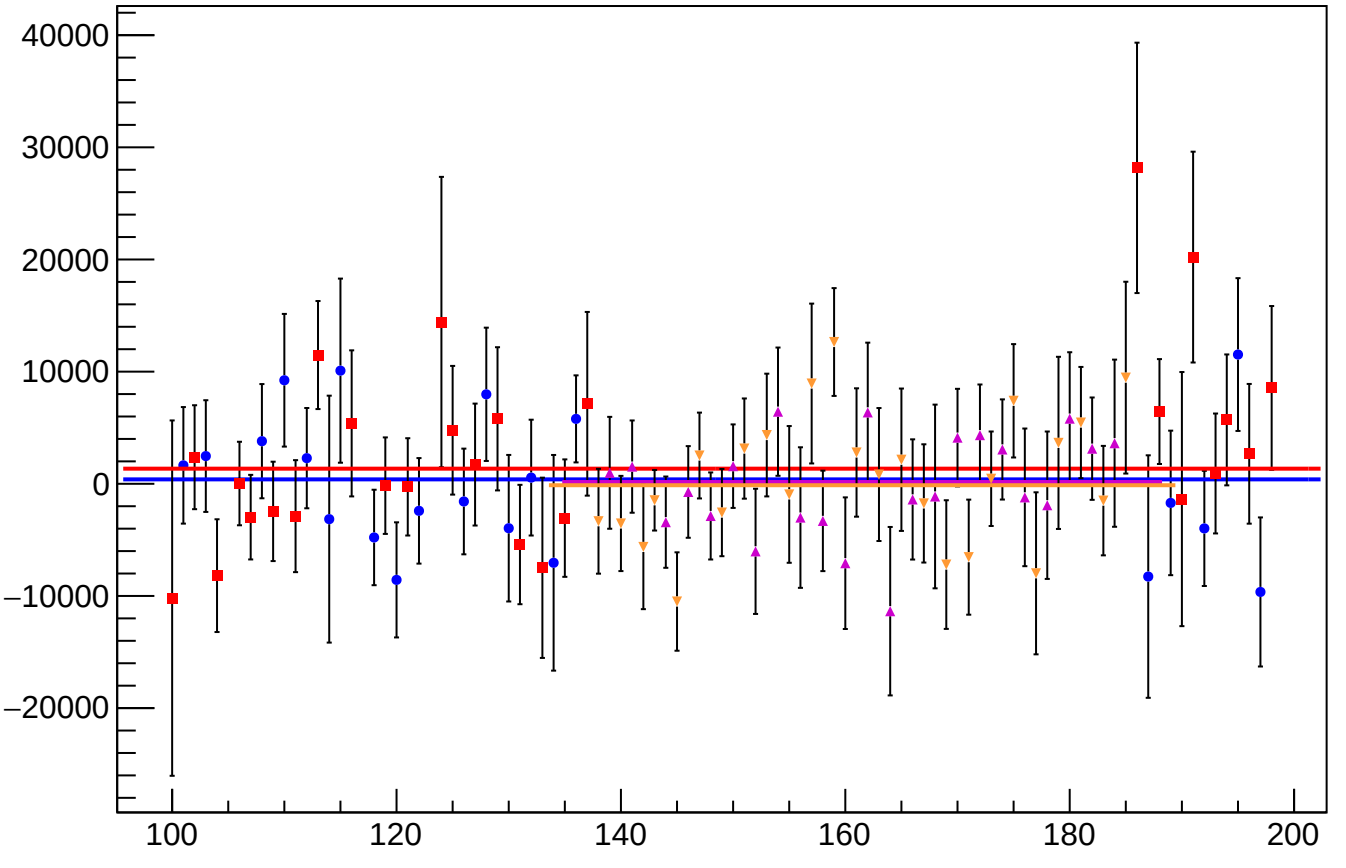
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1308.888+/-0.195 χ^2/NDF: 877372.6/47

In: 1311.585+/-0.173 χ^2/NDF:557608.2/43

Out: 1298.452+/-0.164 χ^2/NDF:597008.5/51

All: 1304.648+/-0.119 χ^2/NDF: 1157654.8/95



Right In: 394.384+/-1210.625 χ^2/NDF: 20.7/20

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1349.010+/-1068.322 χ^2/NDF: 30.7/26

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

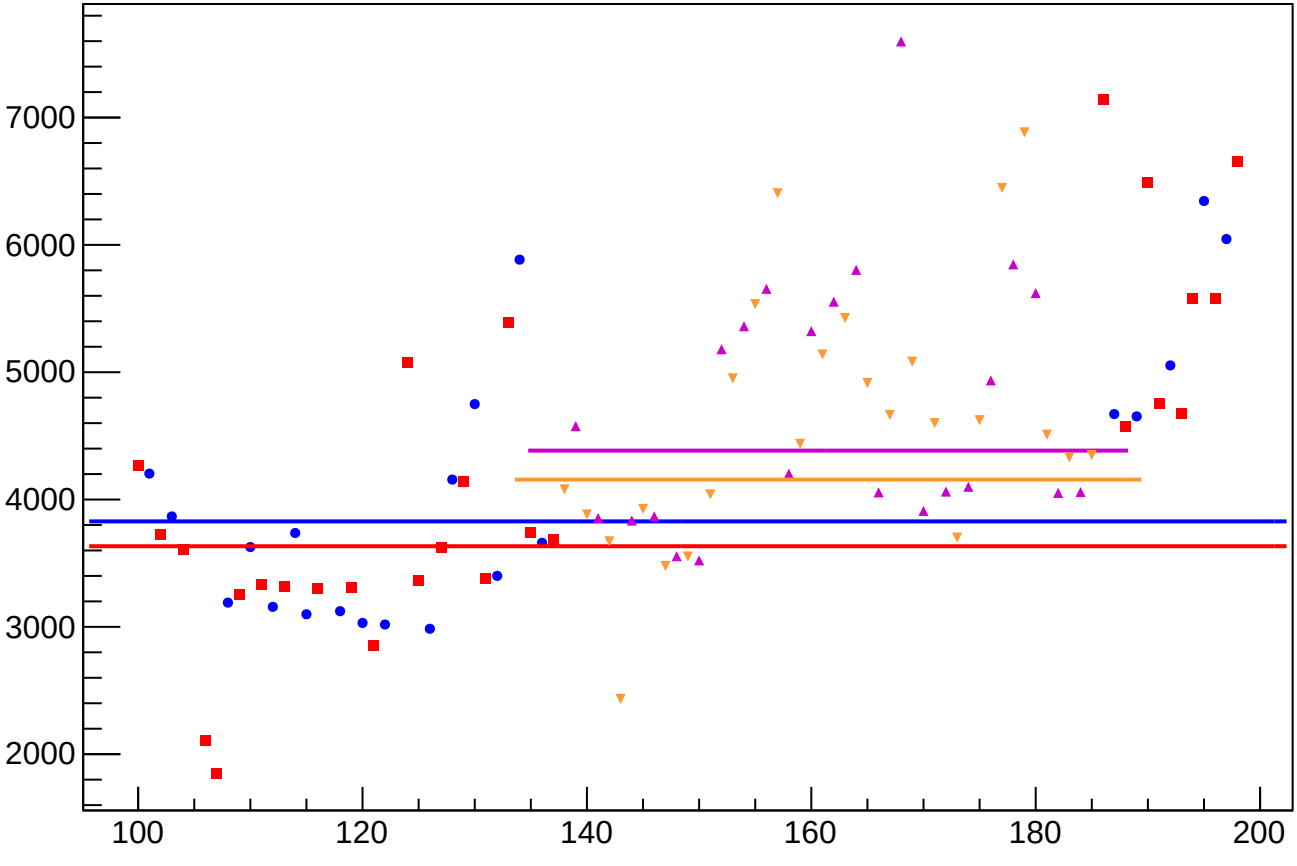
Right: 931.075+/-801.028 χ^2/NDF: 51.7/47

In: 259.816+/-791.276 χ^2/NDF:34.5/43

Out: 545.257+/-721.063 χ^2/NDF:60.3/51

All: 415.760+/-532.966 χ^2/NDF: 94.8/95

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 3828.348+/-0.856 χ^2/NDF: 1141062.0/20

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3633.326+/-0.755 χ^2/NDF: 2311441.1/26

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

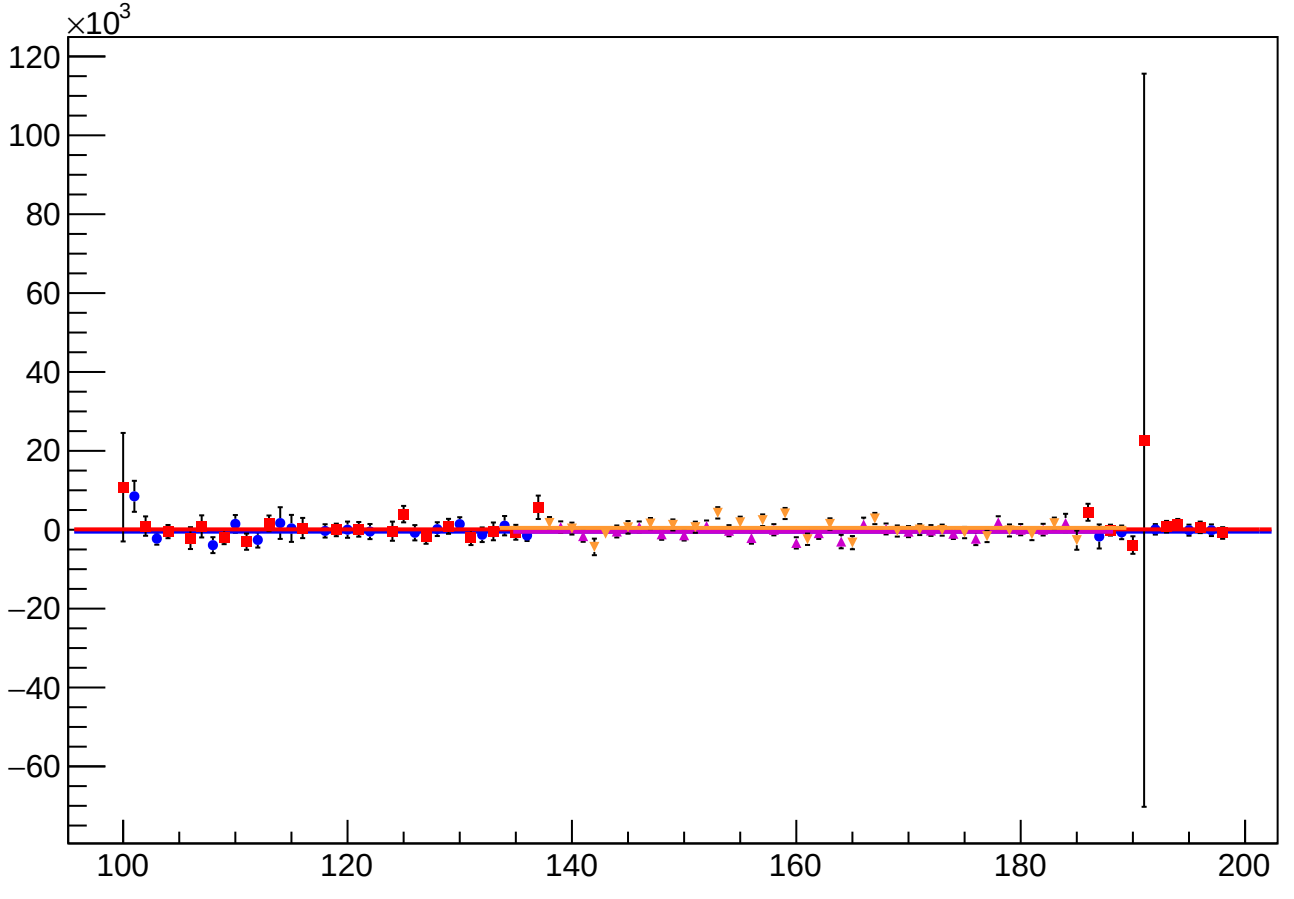
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3718.706+/-0.566 χ^2/NDF: 3481682.0/47

In: 4146.808+/-0.560 χ^2/NDF:2638145.8/43

Out: 3918.209+/-0.510 χ^2/NDF:4653427.1/51

All: 4021.918+/-0.377 χ^2/NDF: 7382768.6/95



Right In: -485.743+/-405.931 χ^2/NDF: 14.7/20

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 93.319+/-374.882 χ^2/NDF: 24.0/26

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

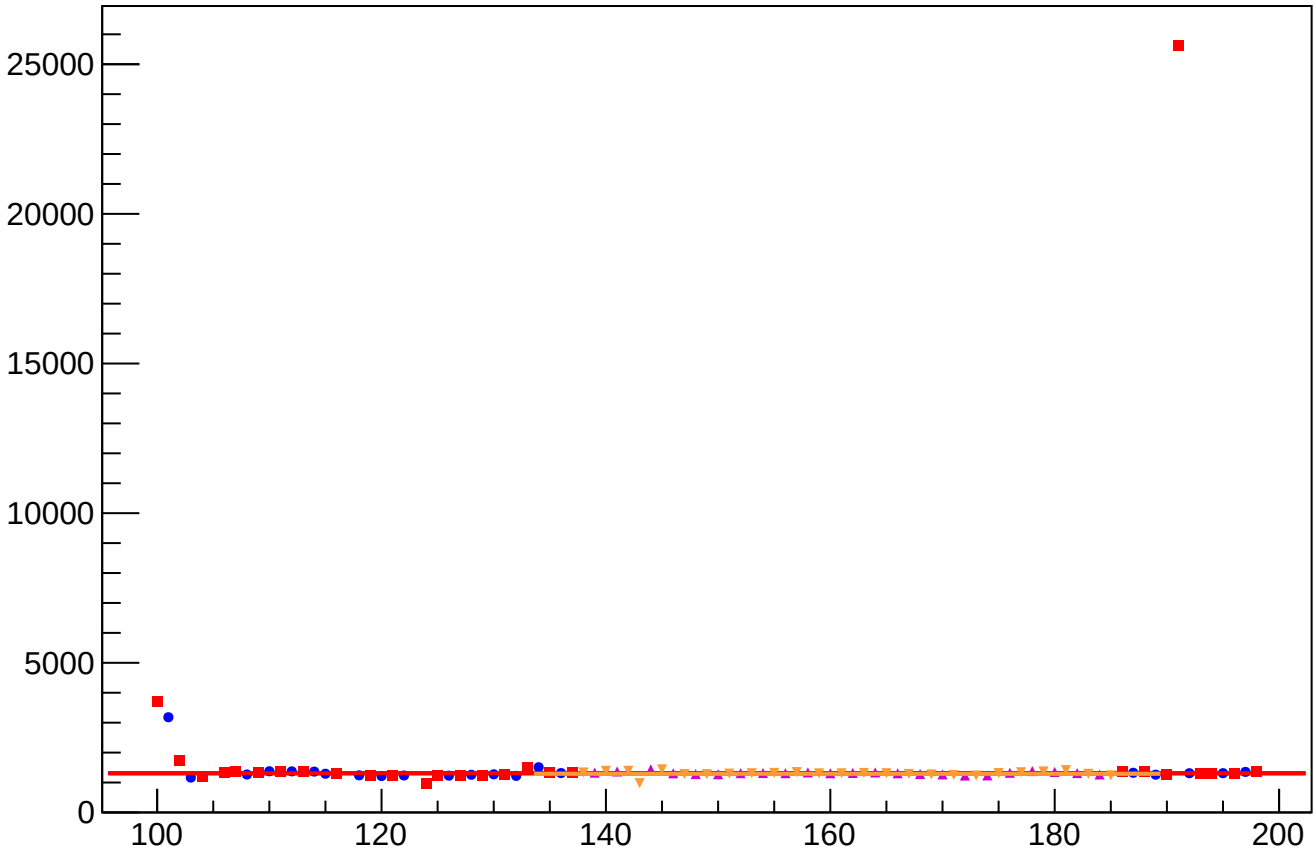
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -173.222+/-275.405 χ^2/NDF: 39.8/47

In: -497.075+/-244.887 χ^2/NDF:32.1/43

Out: 325.117+/-231.468 χ^2/NDF:68.7/51

All: -62.835+/-168.217 χ^2/NDF: 106.8/95



Right In: 1307.353+/-0.287 χ^2/NDF: 514222.1/20

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1310.196+/-0.265 χ^2/NDF: 363098.0/26

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

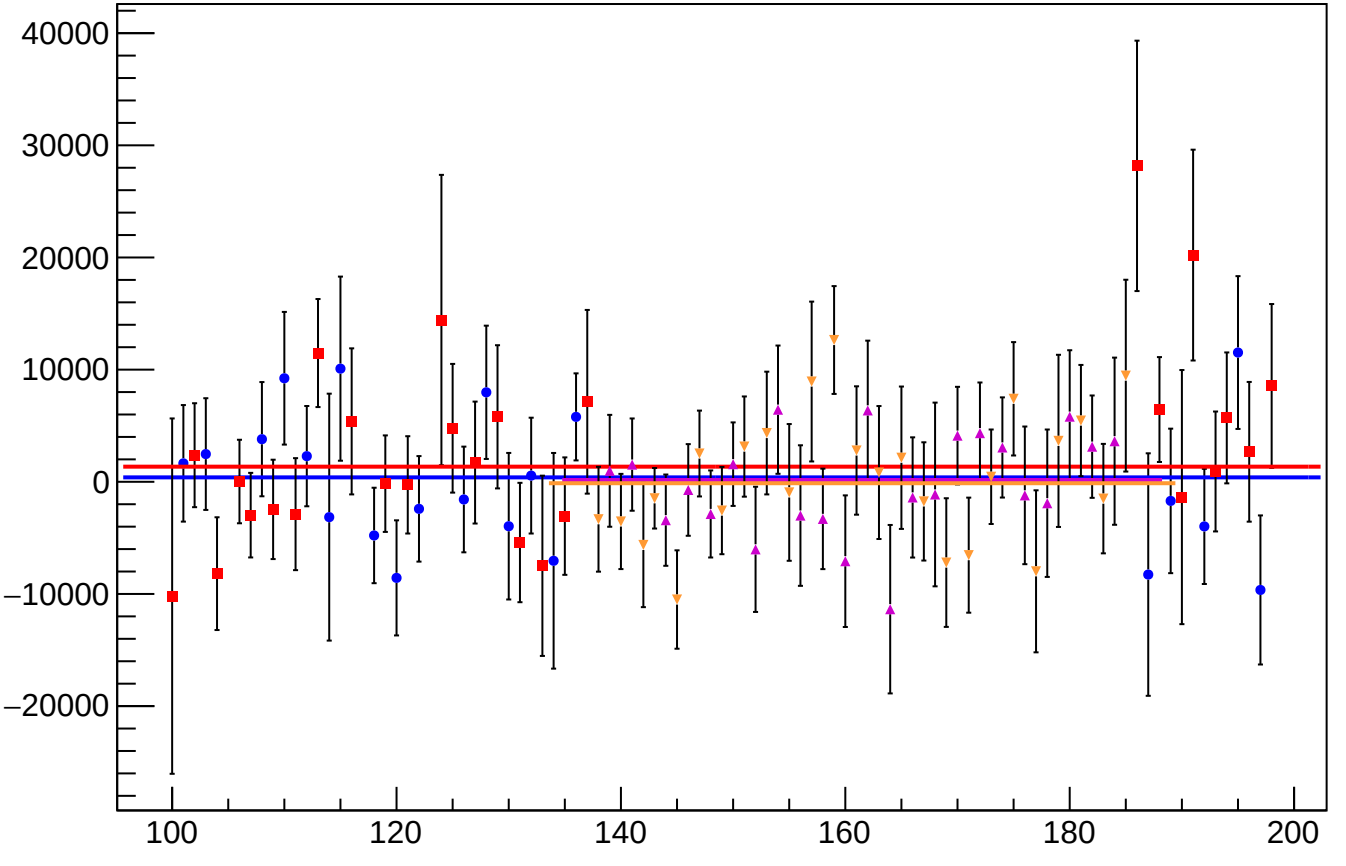
Right: 1308.888+/-0.195 χ^2/NDF: 877373.1/47

In: 1311.585+/-0.173 χ^2/NDF:557610.7/43

Out: 1298.453+/-0.164 χ^2/NDF:597010.9/51

All: 1304.649+/-0.119 χ^2/NDF: 1157659.7/95

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 394.376+/-1210.623 χ^2/NDF: 20.7/20

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1349.002+/-1068.321 χ^2/NDF: 30.7/26

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

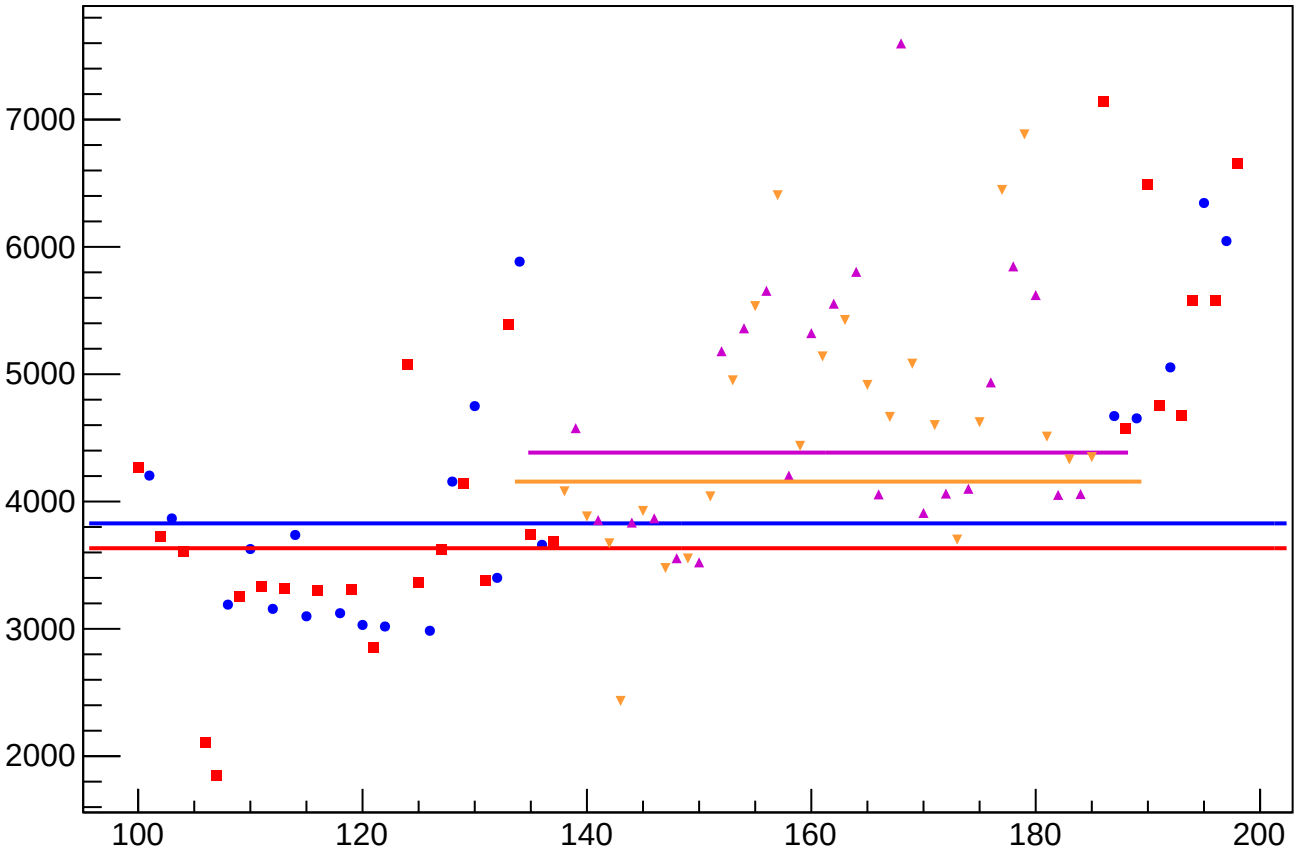
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 931.066+/-801.027 χ^2/NDF: 51.7/47

In: 259.814+/-791.276 χ^2/NDF:34.5/43

Out: 545.257+/-721.064 χ^2/NDF:60.3/51

All: 415.759+/-532.966 χ^2/NDF: 94.8/95



Right In: 3828.339+/-0.856 χ^2/NDF: 1141077.9/20

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3633.318+/-0.755 χ^2/NDF: 2311456.9/26

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

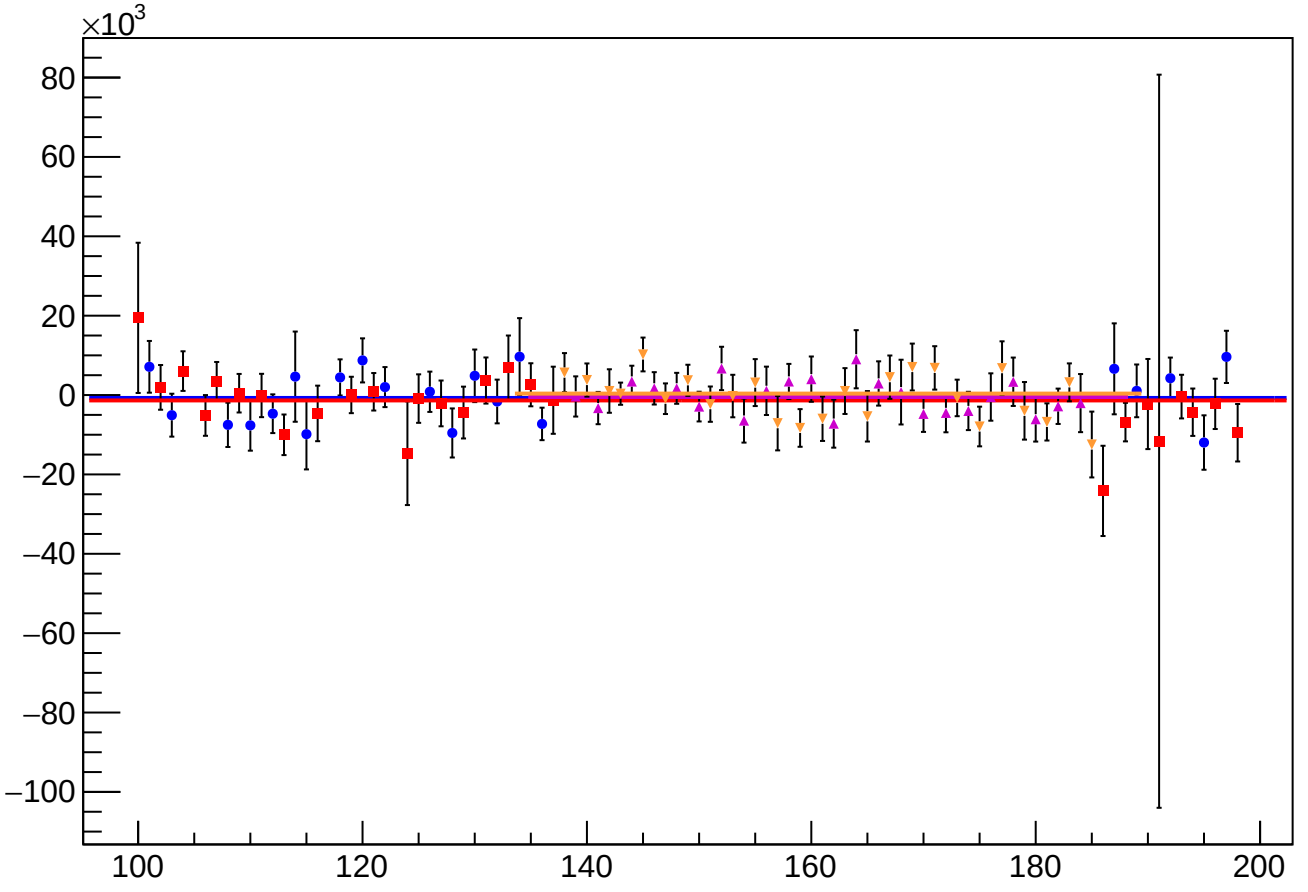
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3718.699+/-0.566 χ^2/NDF: 3481713.5/47

In: 4146.807+/-0.560 χ^2/NDF:2638179.2/43

Out: 3918.208+/-0.510 χ^2/NDF:4653459.7/51

All: 4021.918+/-0.377 χ^2/NDF: 7382834.4/95



Right In: -732.996+/-1291.410 χ^2/NDF: 24.3/20

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1352.994+/-1175.781 χ^2/NDF: 19.3/26

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

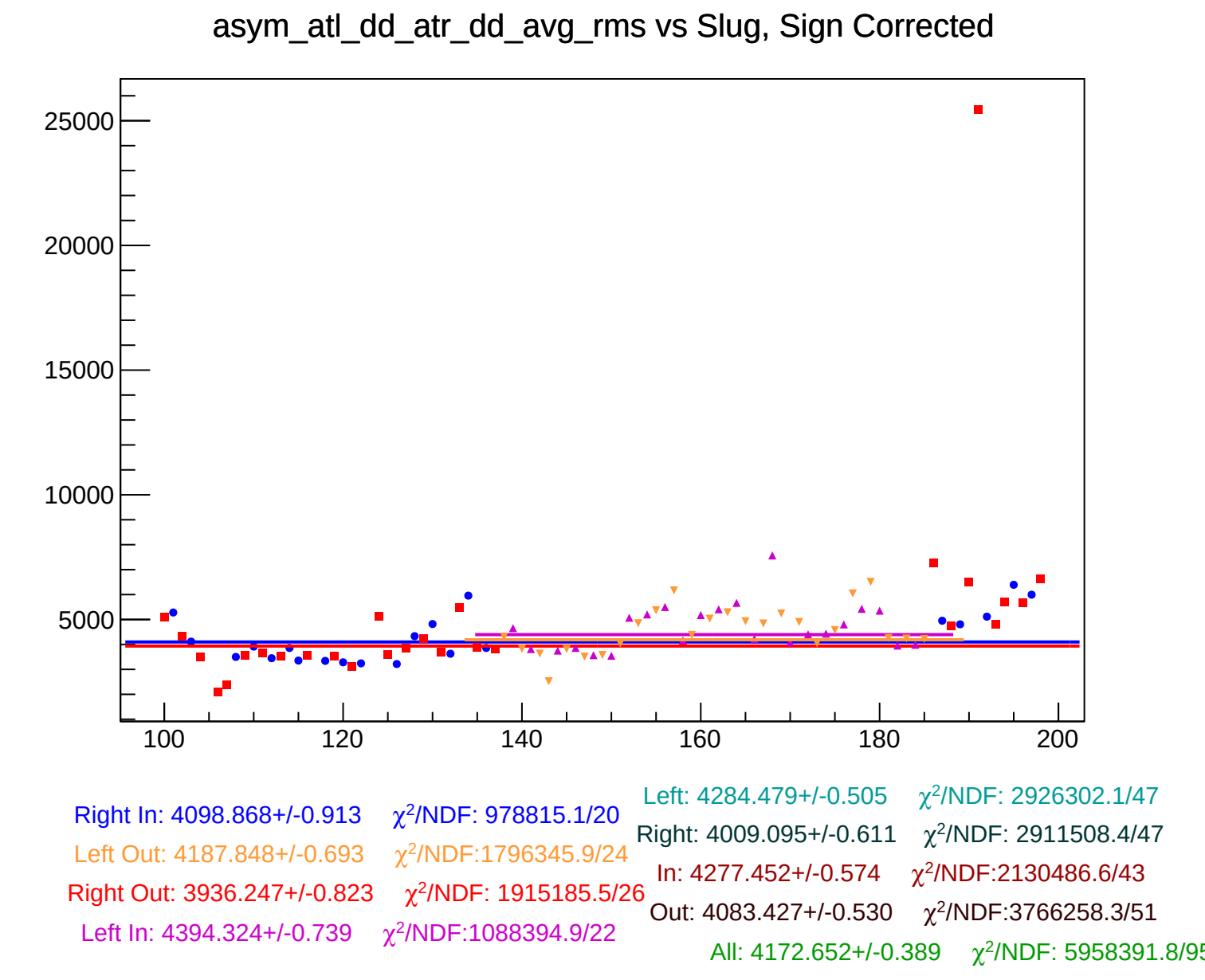
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -1071.989+/-869.413 χ^2/NDF: 43.7/47

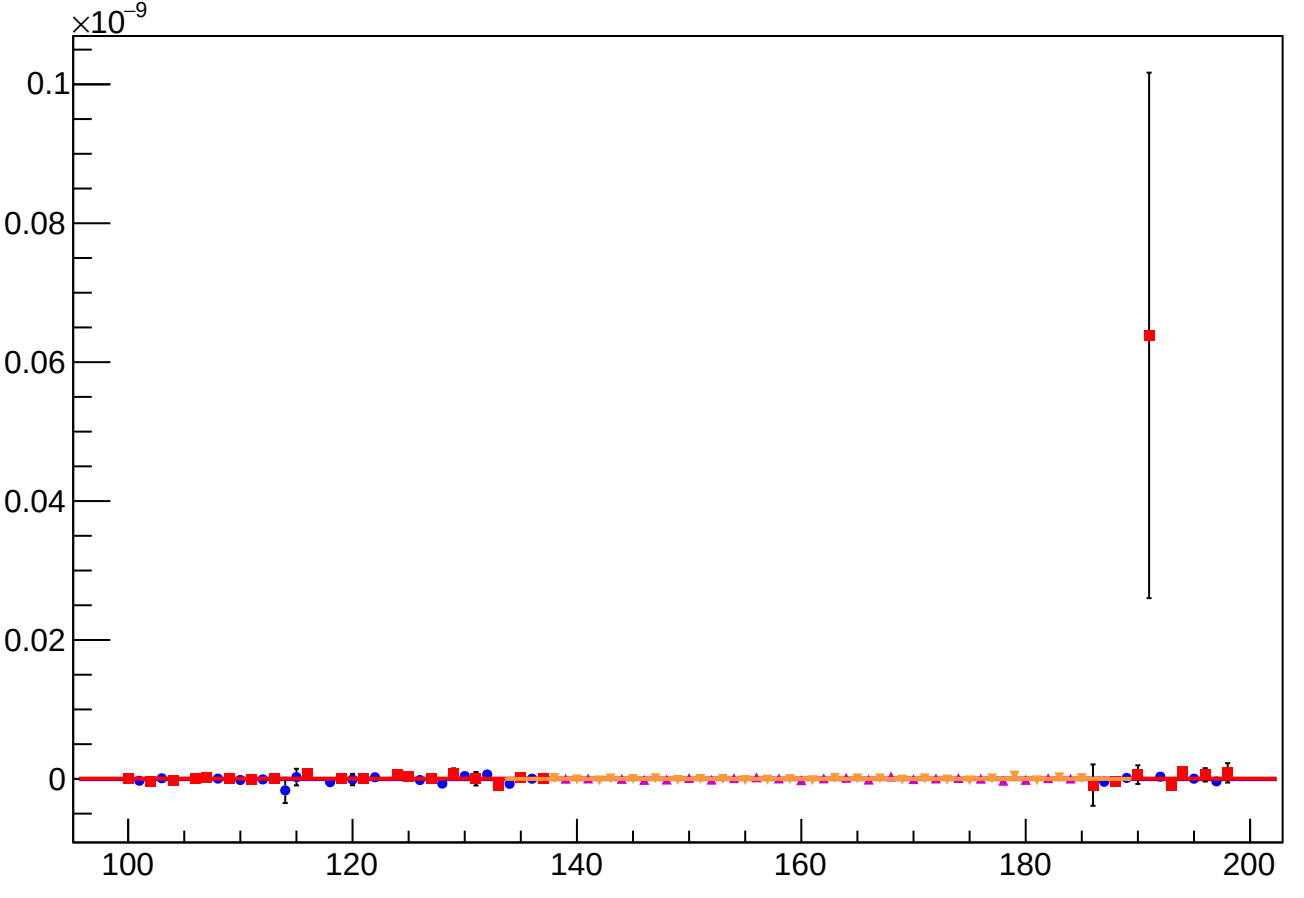
In: -590.667+/-812.214 χ^2/NDF:38.2/43

Out: -340.592+/-752.736 χ^2/NDF:48.2/51

All: -456.138+/-552.096 χ^2/NDF: 86.4/95


asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4098.868+/-0.913 χ²/NDF: 978815.1/20
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 3936.247+/-0.823 χ²/NDF: 1915185.5/26
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4009.095+/-0.611 χ²/NDF: 2911508.4/47
In: 4277.452+/-0.574 χ²/NDF:2130486.6/43
Out: 4083.427+/-0.530 χ²/NDF:3766258.3/51
All: 4172.652+/-0.389 χ²/NDF: 5958391.8/95

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.5/26

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

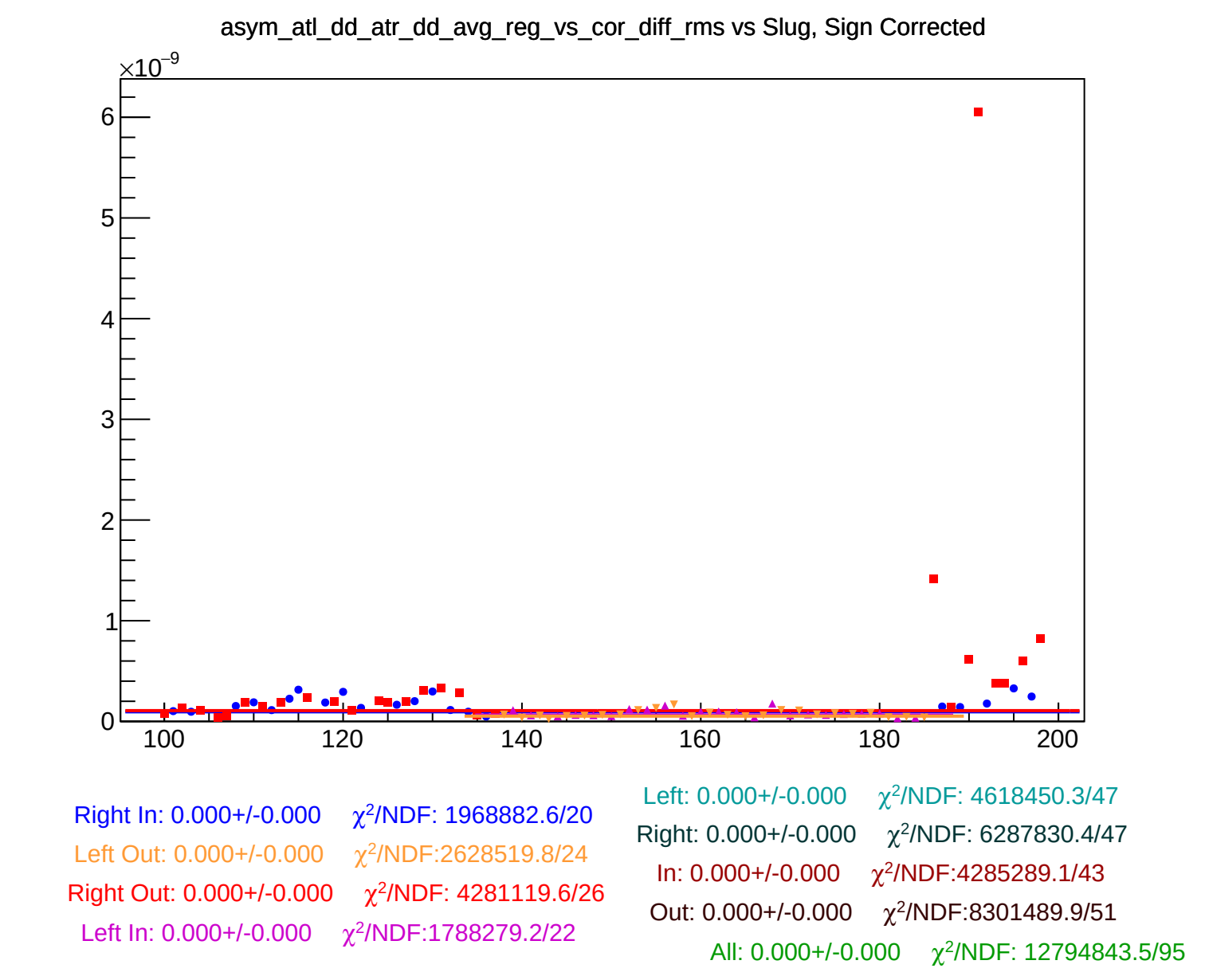
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

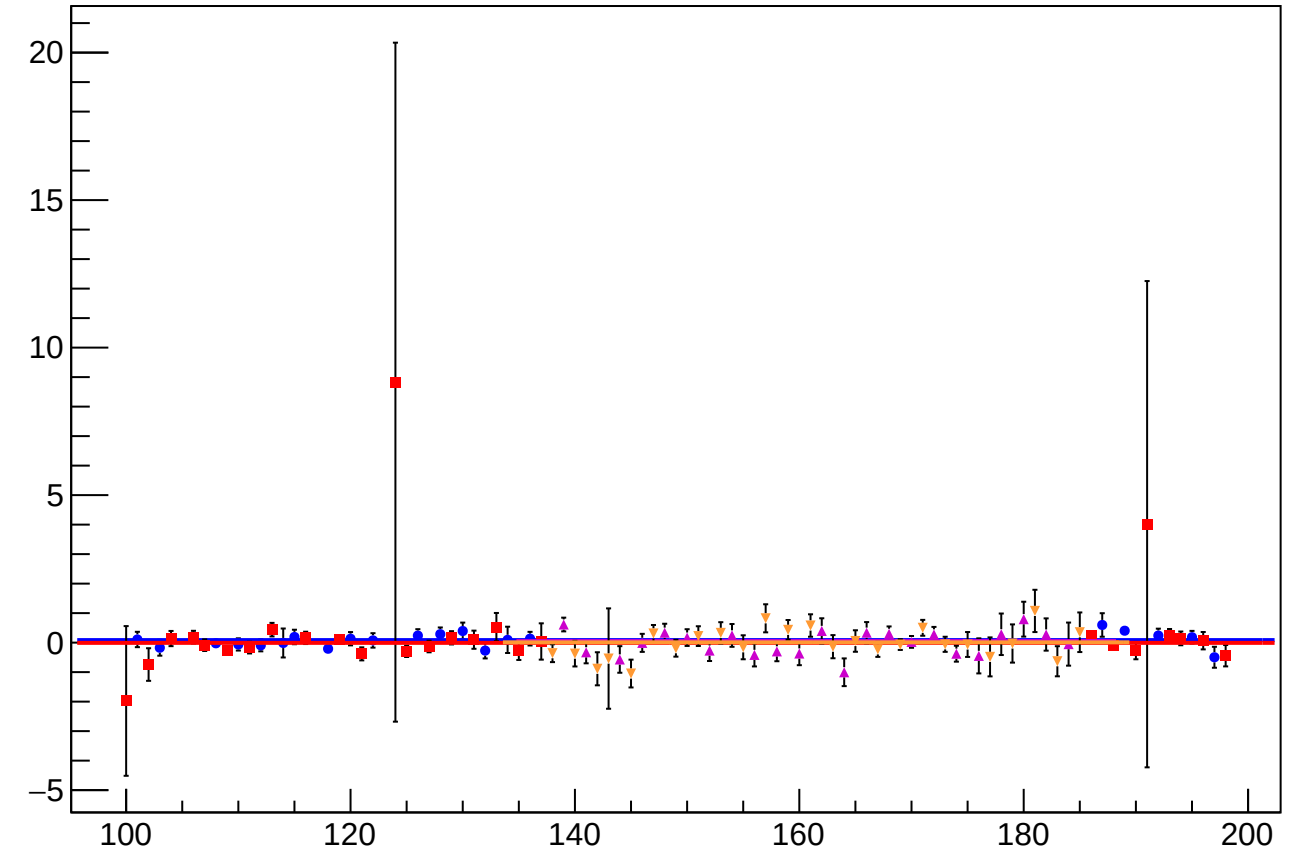
Right: -0.000+/-0.000 χ^2/NDF: 45.7/47

In: 0.000+/-0.000 χ^2/NDF:36.3/43

Out: 0.000+/-0.000 χ^2/NDF:57.3/51

All: 0.000+/-0.000 χ^2/NDF: 93.7/95


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: 1968882.6/20
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 4281119.6/26
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: 6287830.4/47
In: 0.000+/-0.000 χ²/NDF:4285289.1/43
Out: 0.000+/-0.000 χ²/NDF:8301489.9/51
All: 0.000+/-0.000 χ²/NDF: 12794843.5/95



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

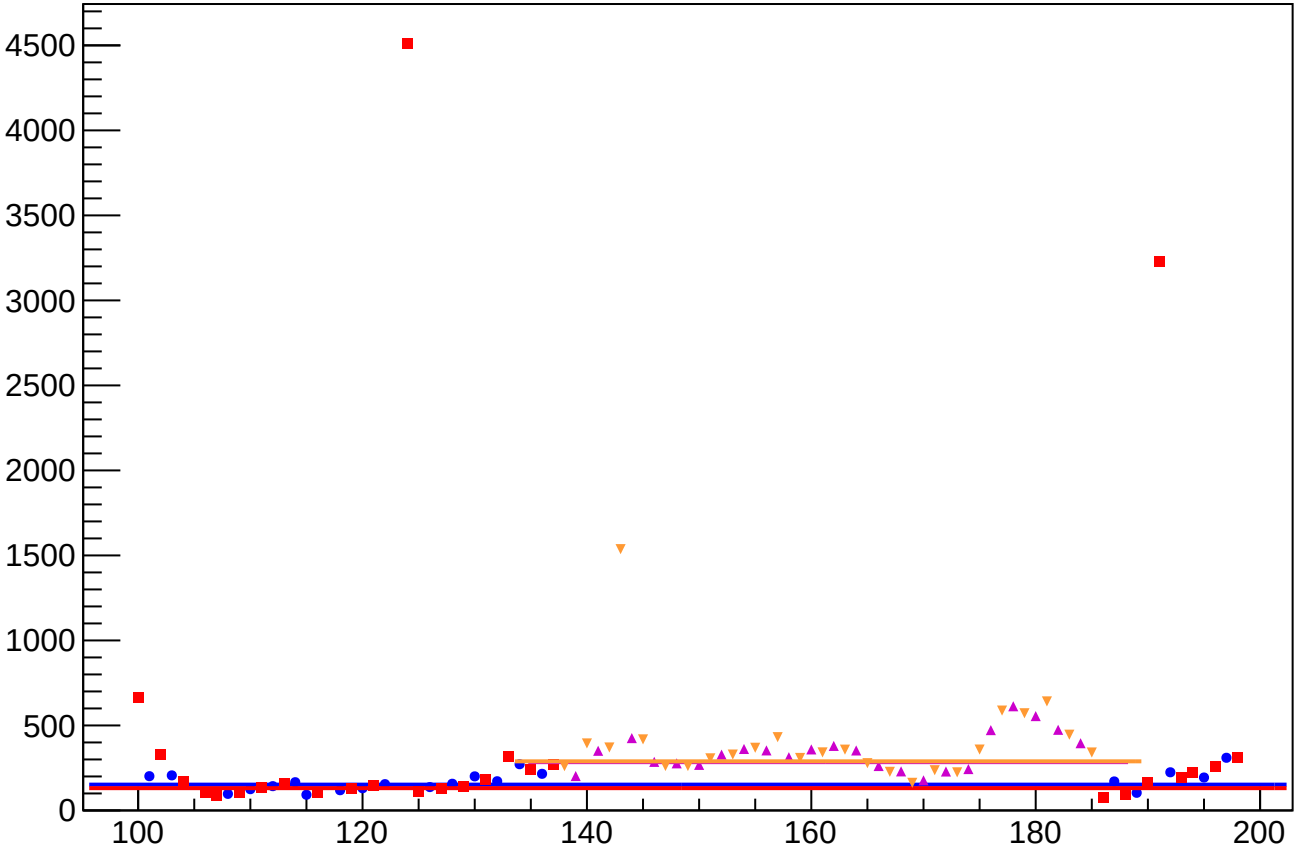
Right: 0.031+/-0.032 χ^2/NDF: 50.9/47

In: 0.075+/-0.041 χ^2/NDF:47.7/43

Out: -0.004+/-0.036 χ^2/NDF:57.9/51

All: 0.031+/-0.027 χ^2/NDF: 107.7/95

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 151.892+/-0.035 χ^2/NDF: 1883420.2/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 131.106+/-0.030 χ^2/NDF: 3952543.6/26

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

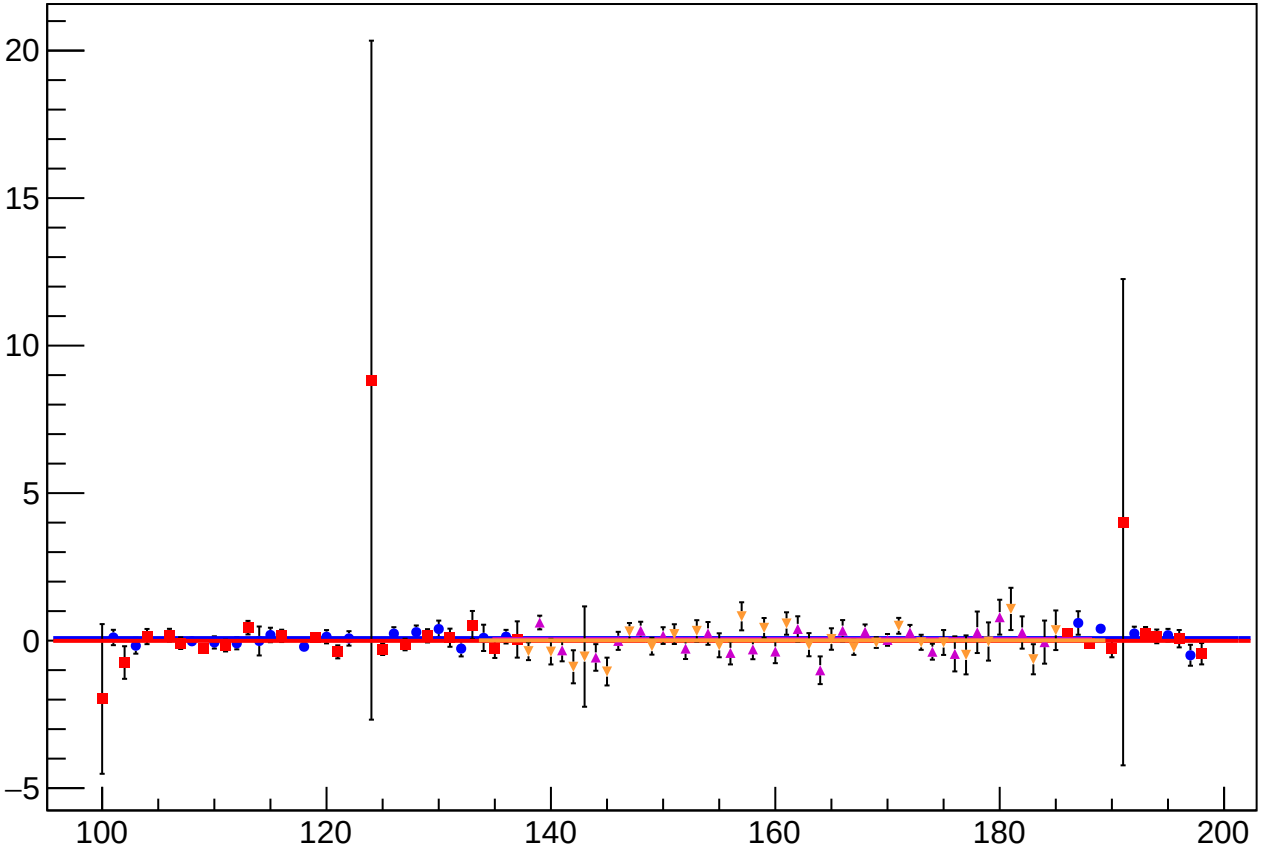
Right: 139.680+/-0.023 χ^2/NDF: 6038075.2/47

In: 196.383+/-0.029 χ^2/NDF:9646157.0/43

Out: 171.993+/-0.026 χ^2/NDF:15918226.6/51

All: 182.710+/-0.019 χ^2/NDF: 25964432.2/95

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

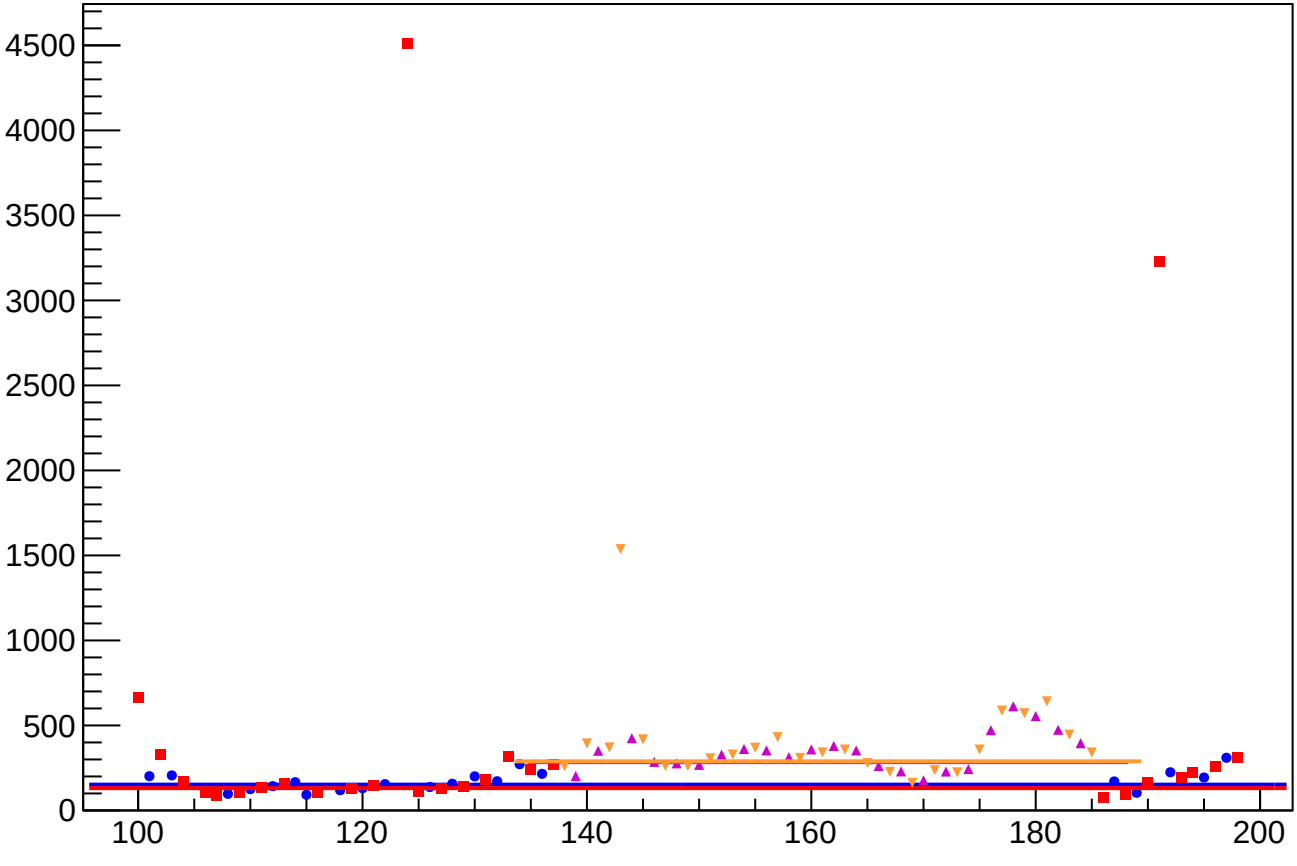
Right: 0.031+/-0.032 χ^2/NDF: 50.9/47

In: 0.075+/-0.041 χ^2/NDF:47.7/43

Out: -0.004+/-0.036 χ^2/NDF:57.9/51

All: 0.031+/-0.027 χ^2/NDF: 107.7/95

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 151.892+/-0.035 χ^2/NDF: 1883420.2/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 131.106+/-0.030 χ^2/NDF: 3952543.6/26

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

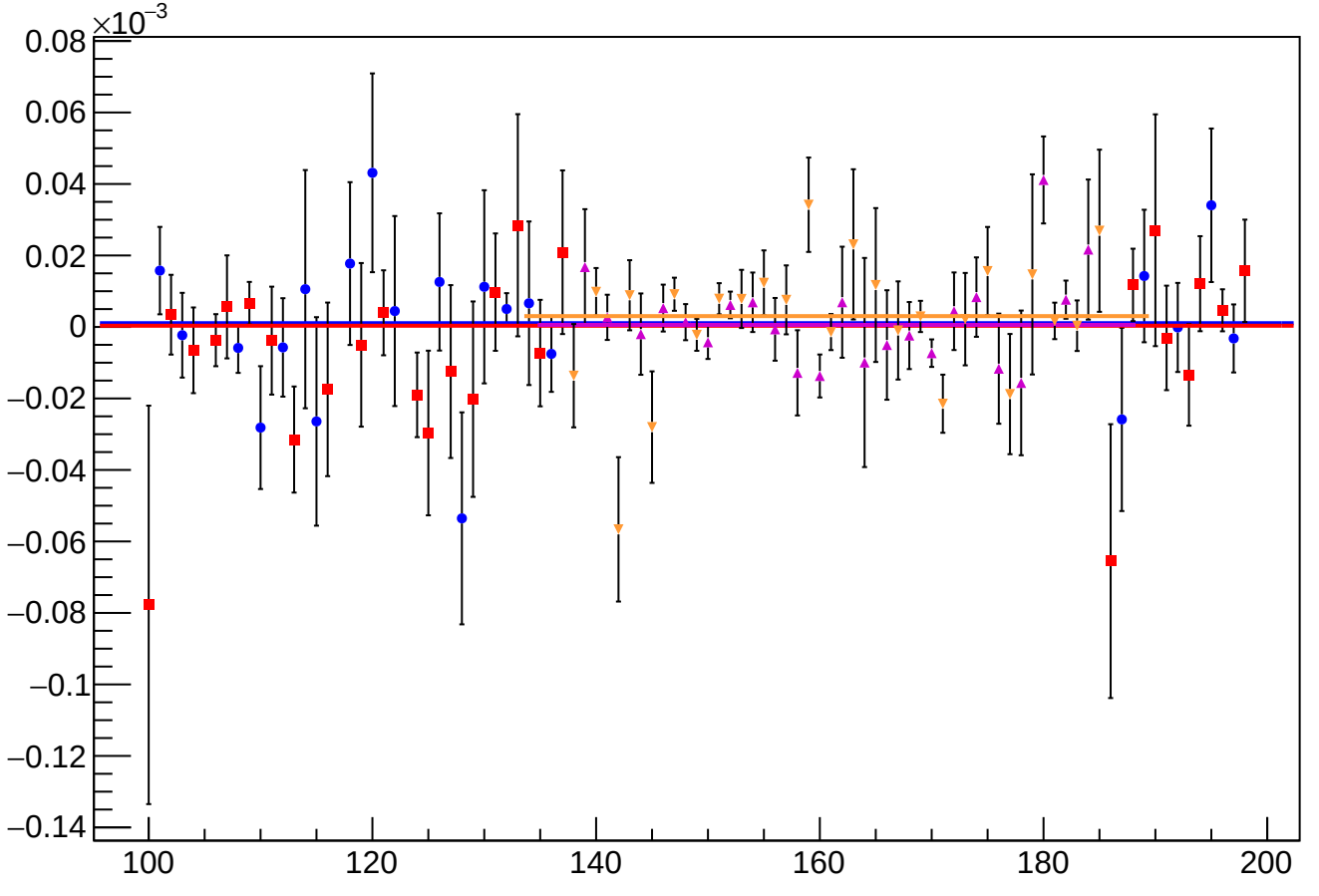
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 139.680+/-0.023 χ^2/NDF: 6038075.2/47

In: 196.383+/-0.029 χ^2/NDF:9646157.0/43

Out: 171.993+/-0.026 χ^2/NDF:15918226.6/51

All: 182.710+/-0.019 χ^2/NDF: 25964432.2/95



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/26

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

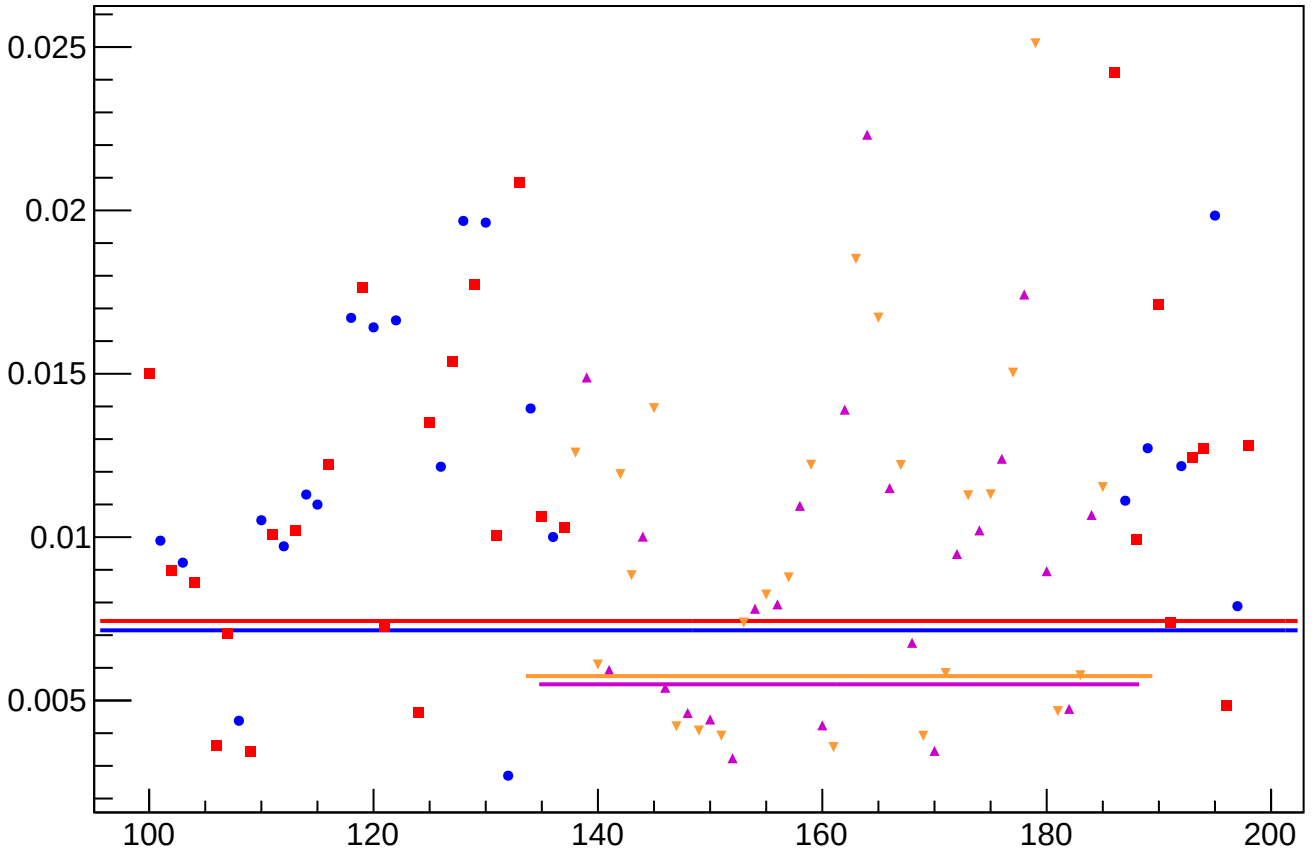
Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

Right: 0.000+/-0.000 χ^2/NDF: 44.2/47

In: 0.000+/-0.000 χ^2/NDF:52.3/43

Out: 0.000+/-0.000 χ^2/NDF:68.2/51

All: 0.000+/-0.000 χ^2/NDF: 121.2/95



Right In: 0.007+/-0.000 χ^2/NDF: 6044687.7/20

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 5374345.7/26

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

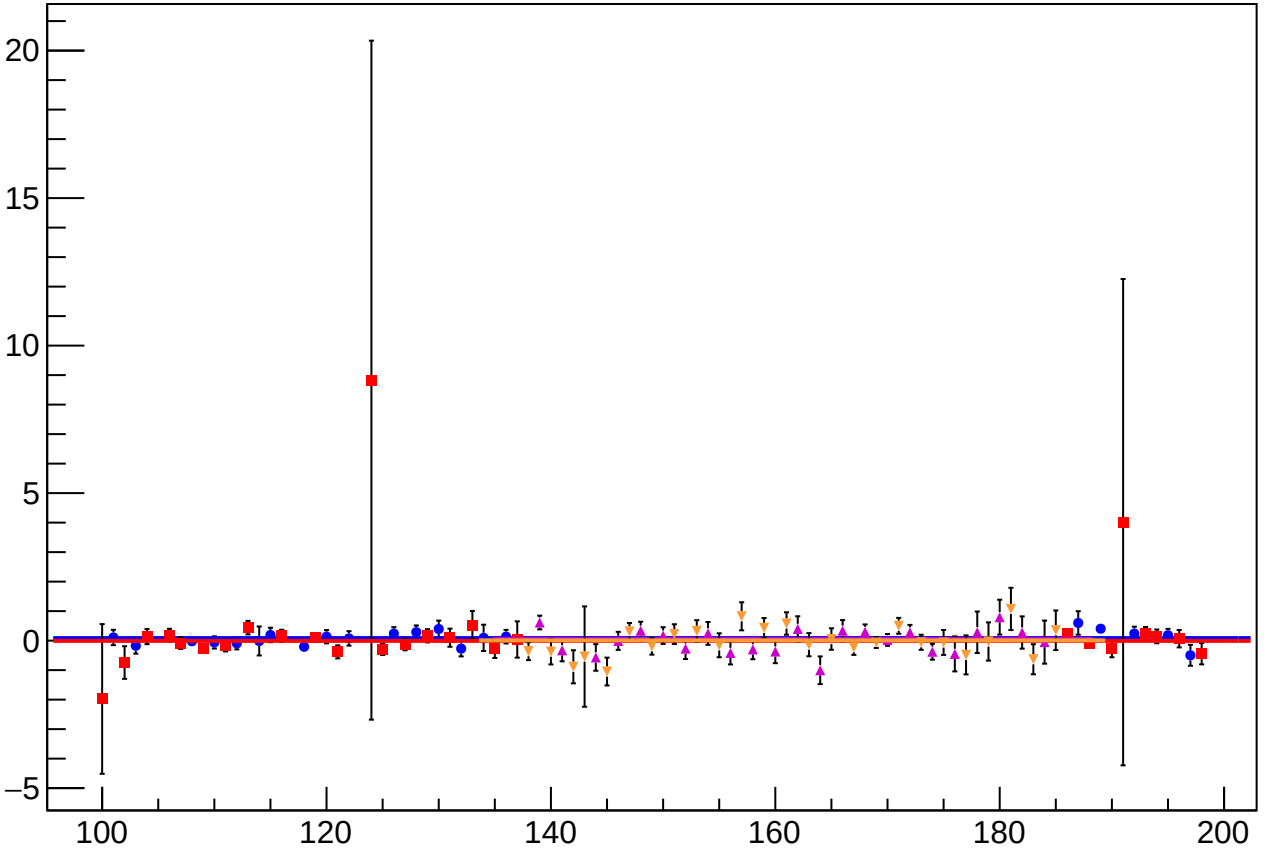
Right: 0.007+/-0.000 χ^2/NDF: 11431643.2/47

In: 0.006+/-0.000 χ^2/NDF:13563003.1/43

Out: 0.006+/-0.000 χ^2/NDF:14198612.3/51

All: 0.006+/-0.000 χ^2/NDF: 27823921.8/95

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

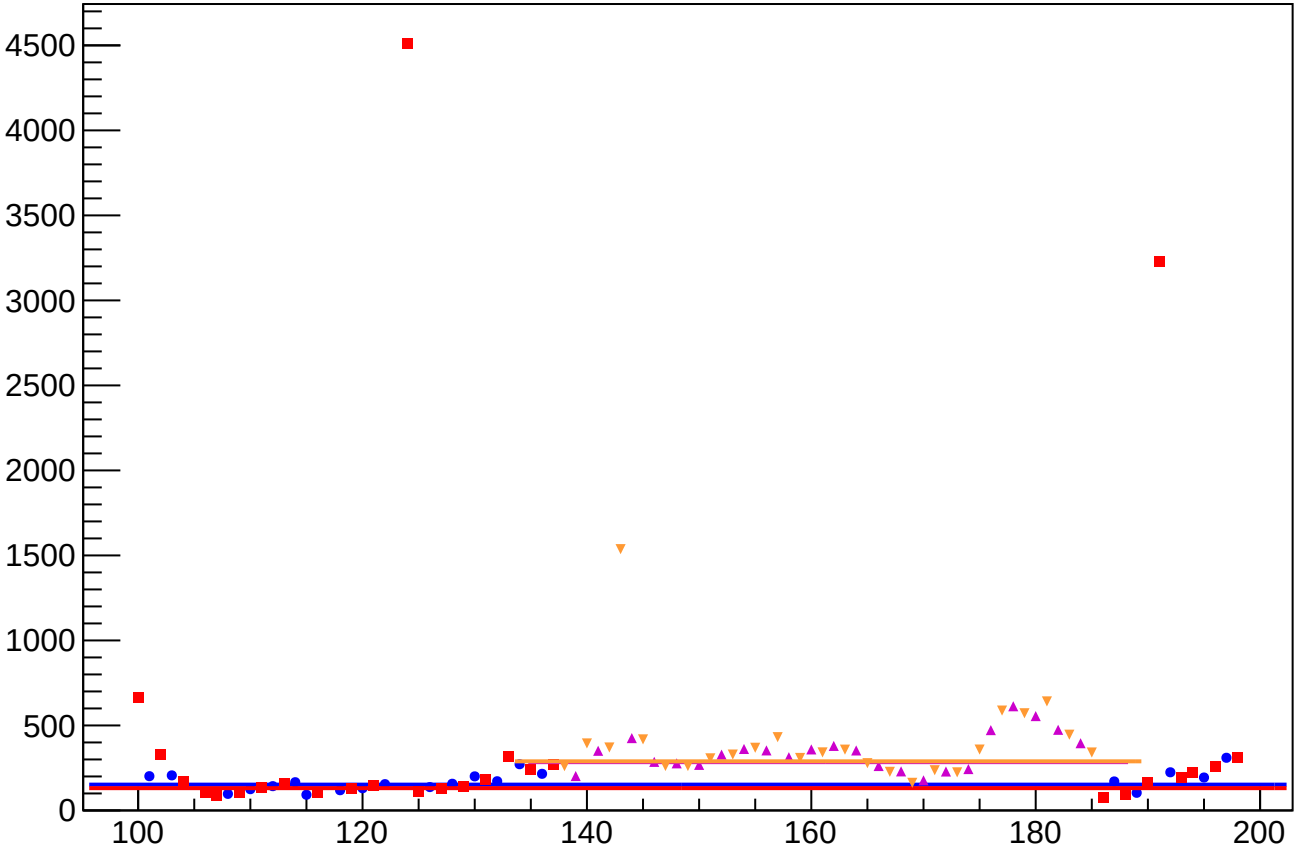
Right: 0.031+/-0.032 χ^2/NDF: 50.9/47

In: 0.075+/-0.041 χ^2/NDF:47.7/43

Out: -0.004+/-0.036 χ^2/NDF:57.9/51

All: 0.031+/-0.027 χ^2/NDF: 107.7/95

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 151.892+/-0.035 χ^2/NDF: 1883398.8/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 131.107+/-0.030 χ^2/NDF: 3952371.6/26

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

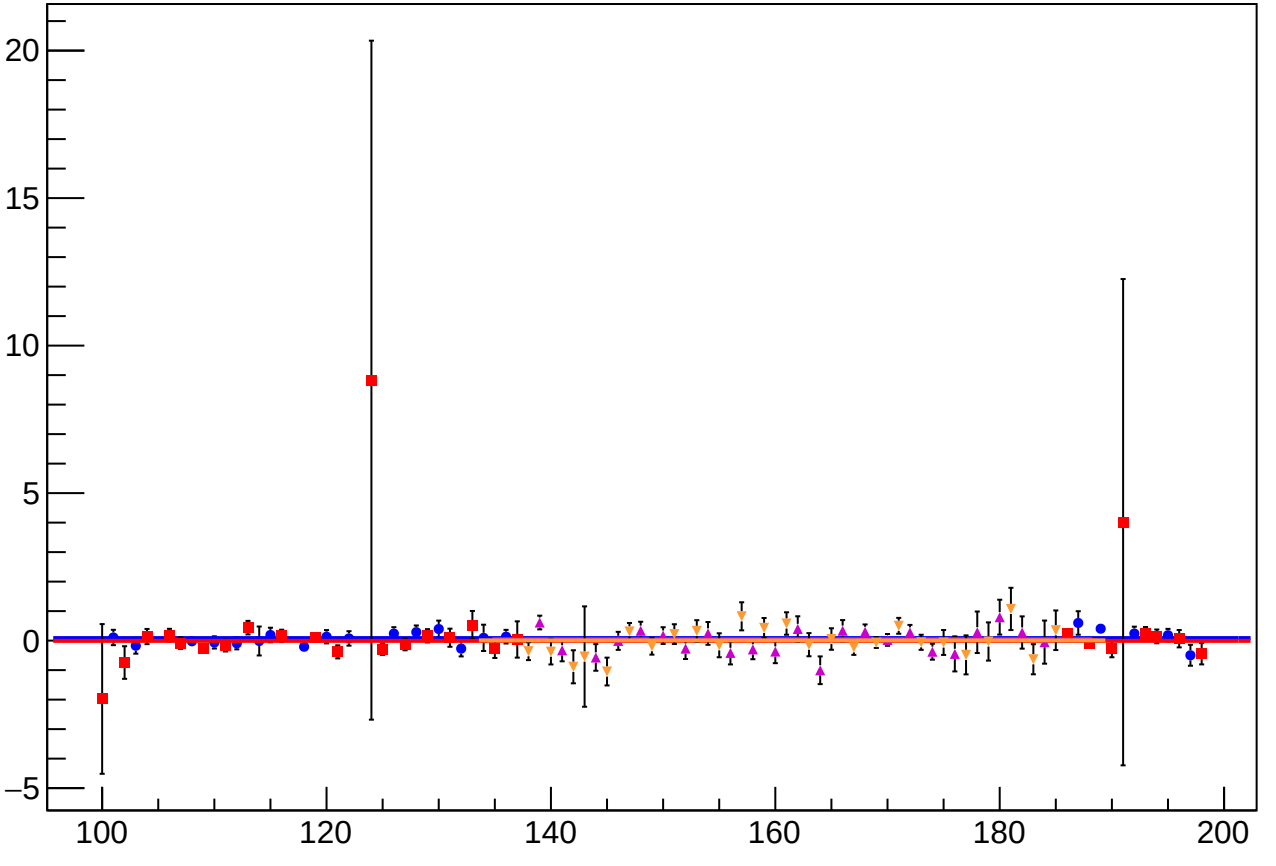
Right: 139.680+/-0.023 χ^2/NDF: 6037835.5/47

In: 196.382+/-0.029 χ^2/NDF:9646360.4/43

Out: 171.995+/-0.026 χ^2/NDF:15918031.3/51

All: 182.710+/-0.019 χ^2/NDF: 25964366.1/95

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

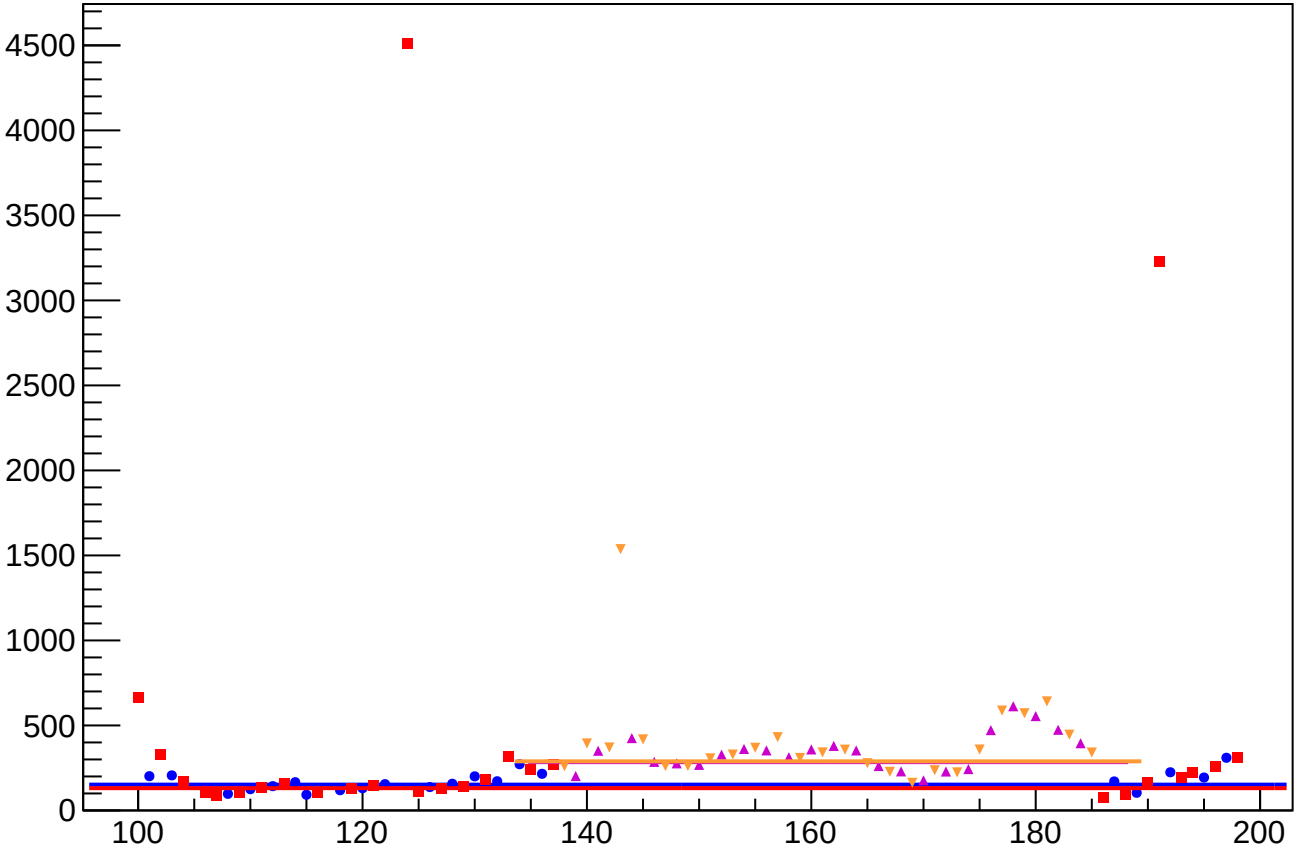
Right: 0.031+/-0.032 χ^2/NDF: 50.9/47

In: 0.075+/-0.041 χ^2/NDF:47.7/43

Out: -0.004+/-0.036 χ^2/NDF:57.9/51

All: 0.031+/-0.027 χ^2/NDF: 107.7/95

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 151.892+/-0.035 χ^2/NDF: 1883398.8/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 131.107+/-0.030 χ^2/NDF: 3952371.6/26

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

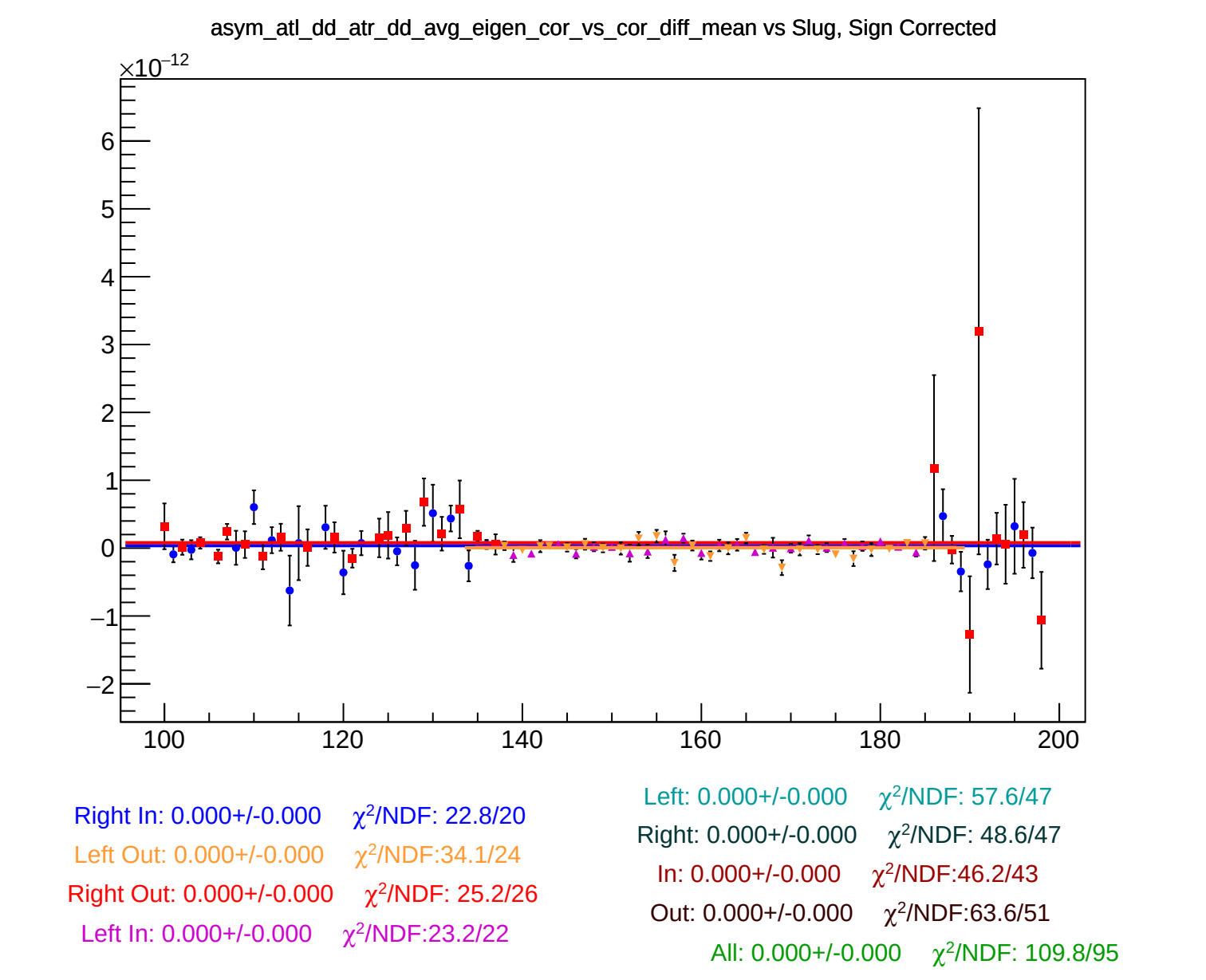
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 139.680+/-0.023 χ^2/NDF: 6037835.5/47

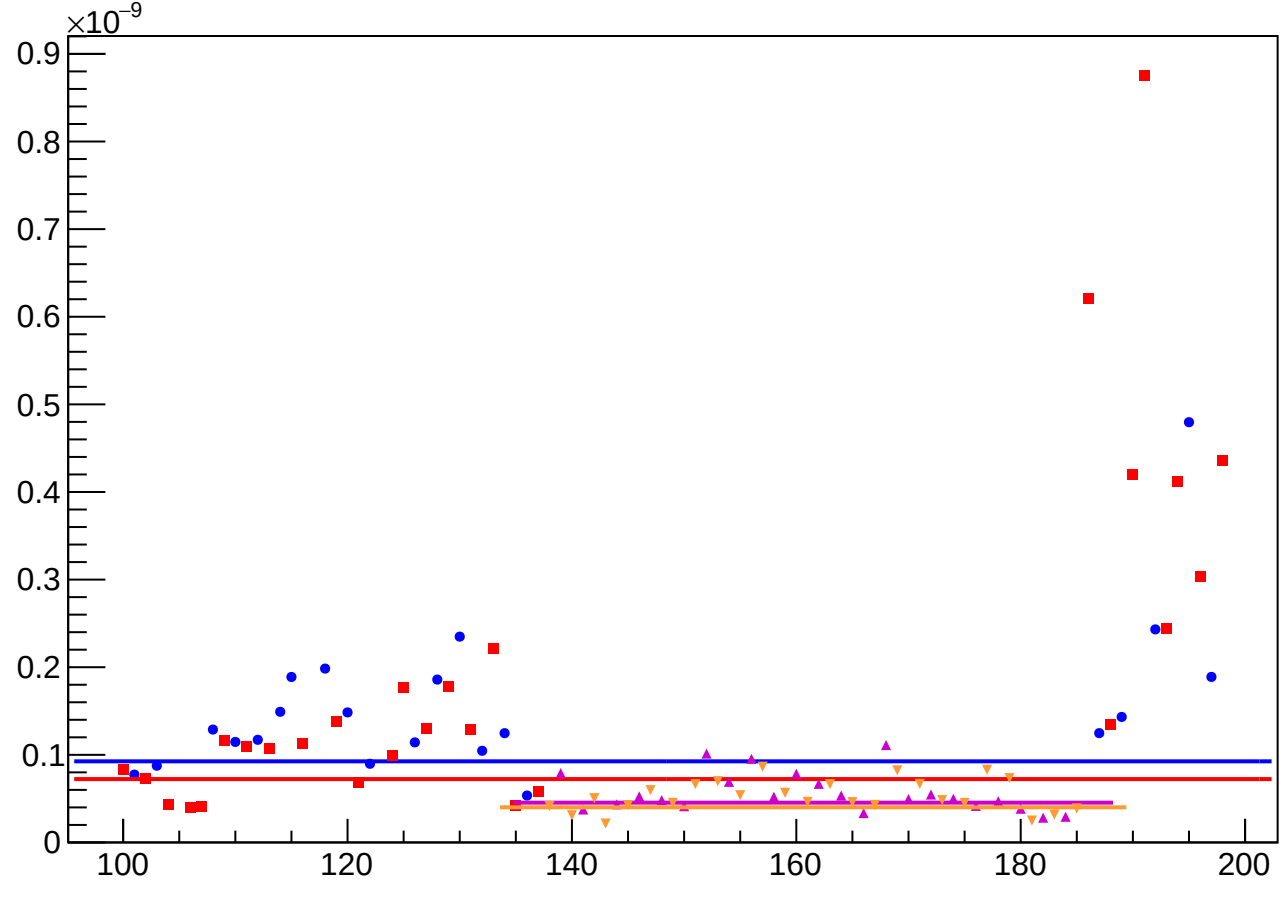
In: 196.382+/-0.029 χ^2/NDF:9646360.4/43

Out: 171.995+/-0.026 χ^2/NDF:15918031.3/51

All: 182.710+/-0.019 χ^2/NDF: 25964366.1/95


asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 22.8/20
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.2/26
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: 48.6/47
In: 0.000+/-0.000 χ²/NDF:46.2/43
Out: 0.000+/-0.000 χ²/NDF:63.6/51
All: 0.000+/-0.000 χ²/NDF: 109.8/95

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2771415.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5262858.4/26

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

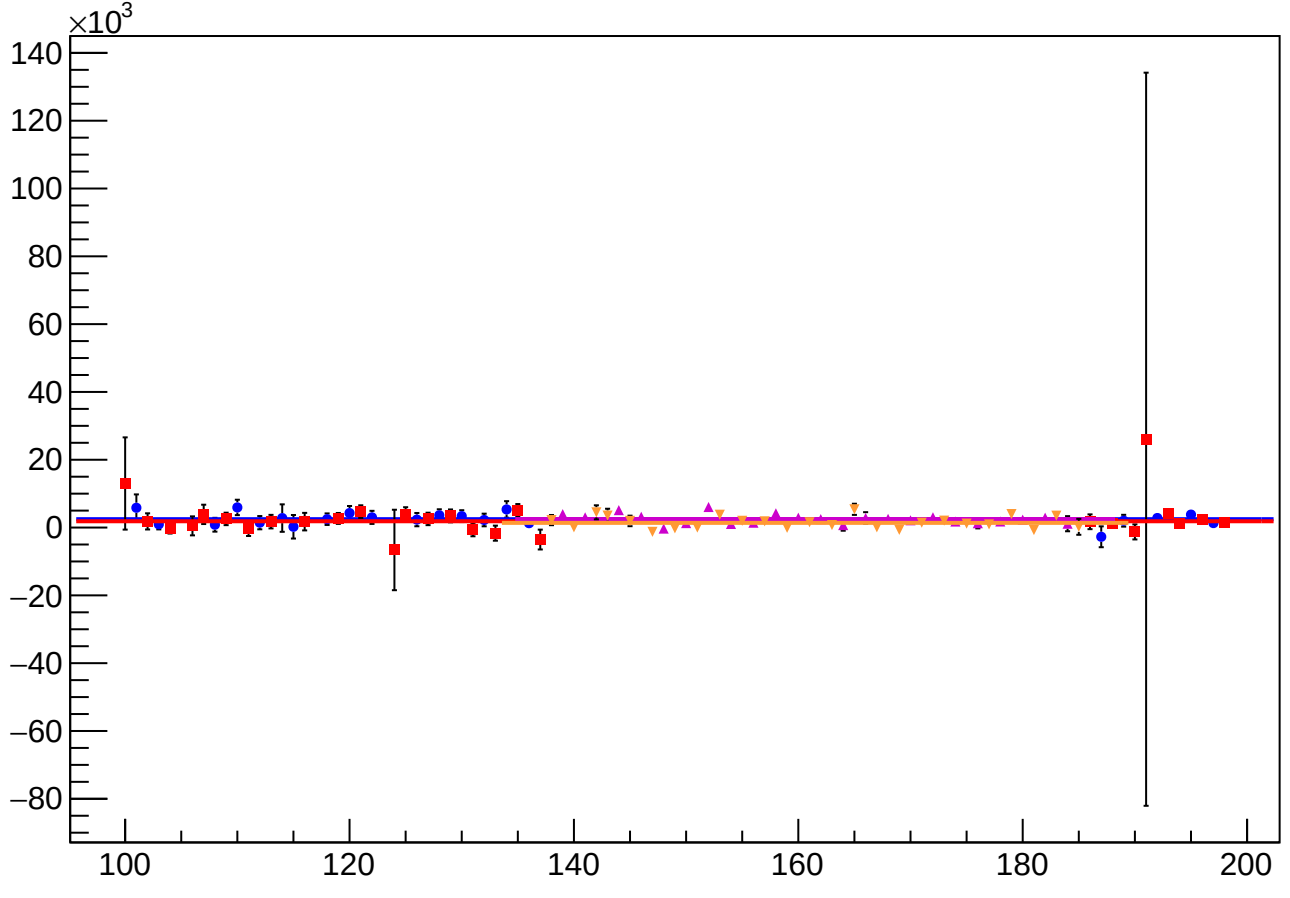
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 8323751.4/47

In: 0.000+/-0.000 χ^2/NDF:7890178.1/43

Out: 0.000+/-0.000 χ^2/NDF:10512283.4/51

All: 0.000+/-0.000 χ^2/NDF: 18649807.4/95



Right In: 2473.979+/-405.977 χ^2/NDF: 13.6/20

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: 1855.929+/-378.340 χ^2/NDF: 24.6/26

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

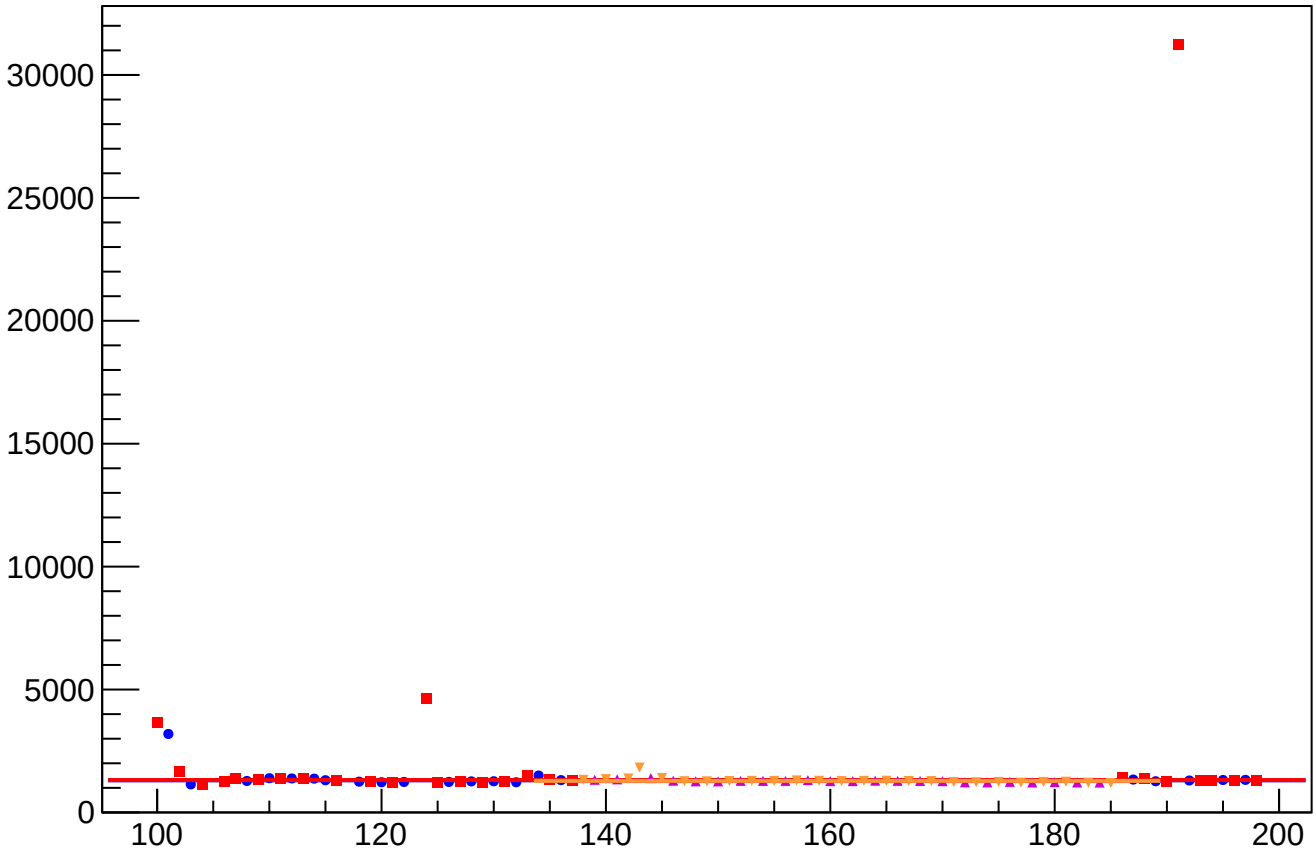
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2143.203+/-276.782 χ^2/NDF: 39.5/47

In: 2503.467+/-240.279 χ^2/NDF:36.1/43

Out: 1560.291+/-231.544 χ^2/NDF:58.5/51

All: 2014.425+/-166.729 χ^2/NDF: 102.6/95



Right In: 1307.455+/-0.287 χ^2/NDF: 517956.5/20

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1318.560+/-0.267 χ^2/NDF: 488391.3/26

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

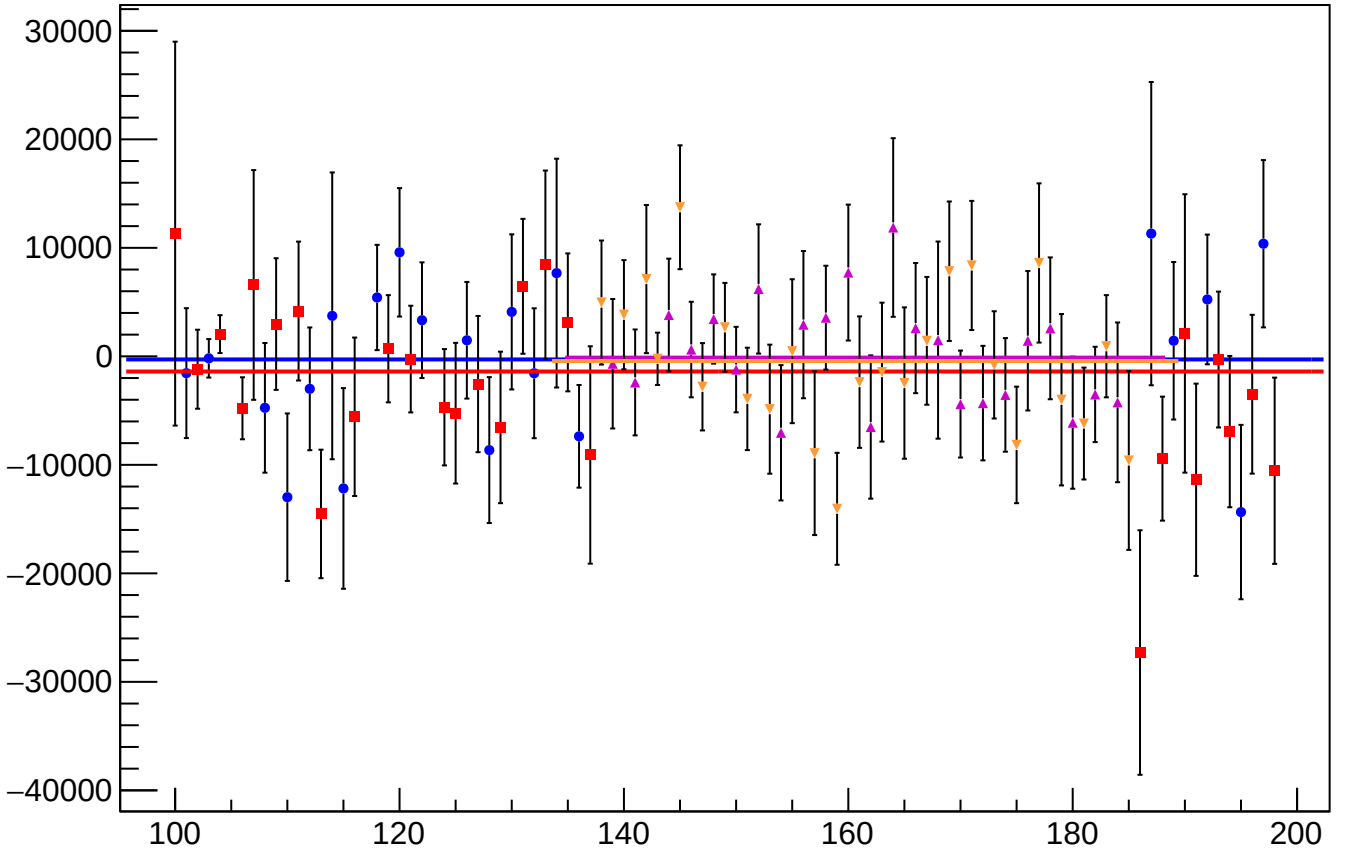
Right: 1313.407+/-0.196 χ^2/NDF: 1007149.8/47

In: 1286.980+/-0.170 χ^2/NDF:567185.8/43

Out: 1298.000+/-0.164 χ^2/NDF:688902.7/51

All: 1292.697+/-0.118 χ^2/NDF: 1258271.1/95

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -285.472+/-1127.108 χ^2/NDF: 21.4/20

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

Right Out: -1396.765+/-983.727 χ^2/NDF: 28.9/26

Left In: -119.335+/-1144.695 χ^2/NDF:13.6/22

Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

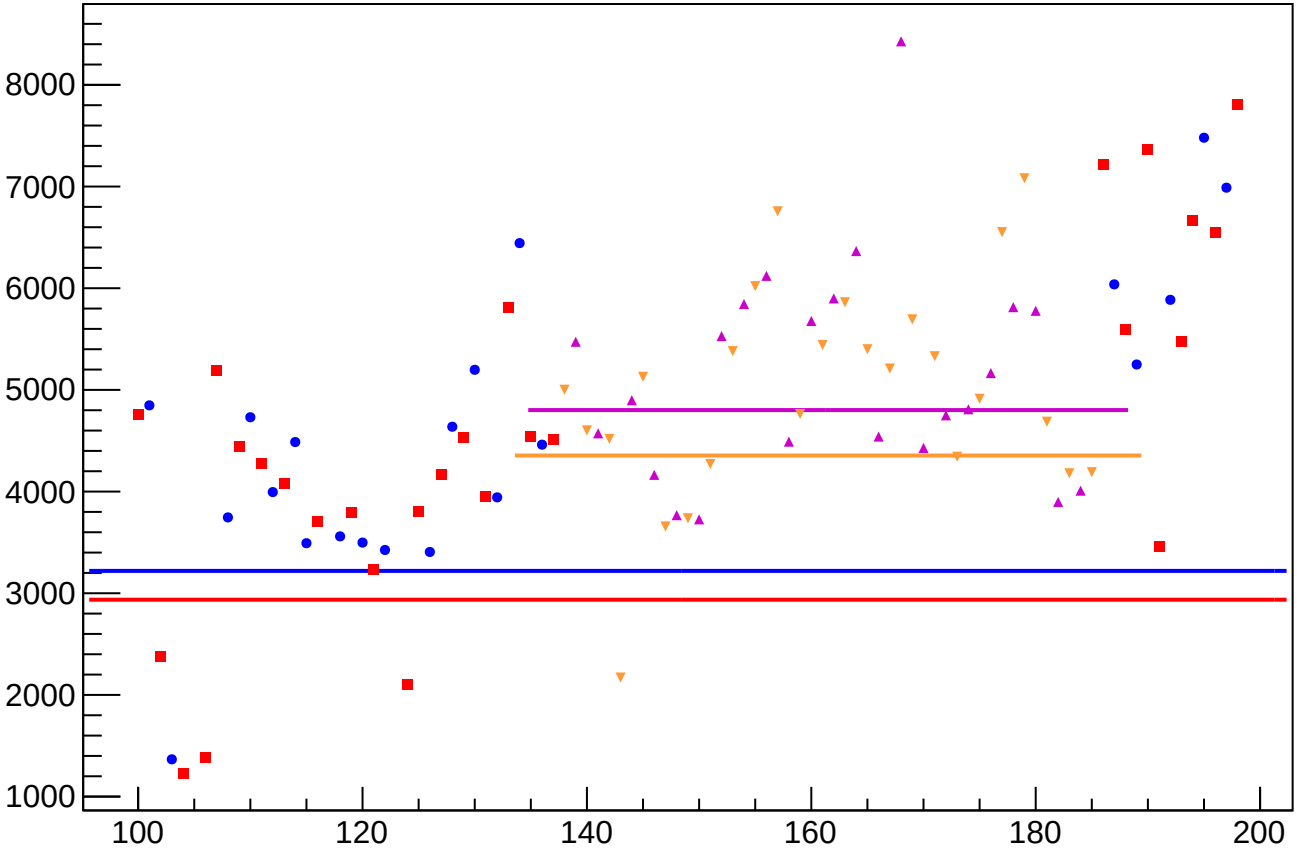
Right: -916.258+/-741.142 χ^2/NDF: 50.8/47

In: -203.690+/-803.132 χ^2/NDF:35.0/43

Out: -938.639+/-714.029 χ^2/NDF:59.2/51

All: -614.179+/-533.628 χ^2/NDF: 94.6/95

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 3219.897+/-0.797 χ^2/NDF: 4768274.0/20

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 2936.518+/-0.696 χ^2/NDF: 6753780.9/26

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

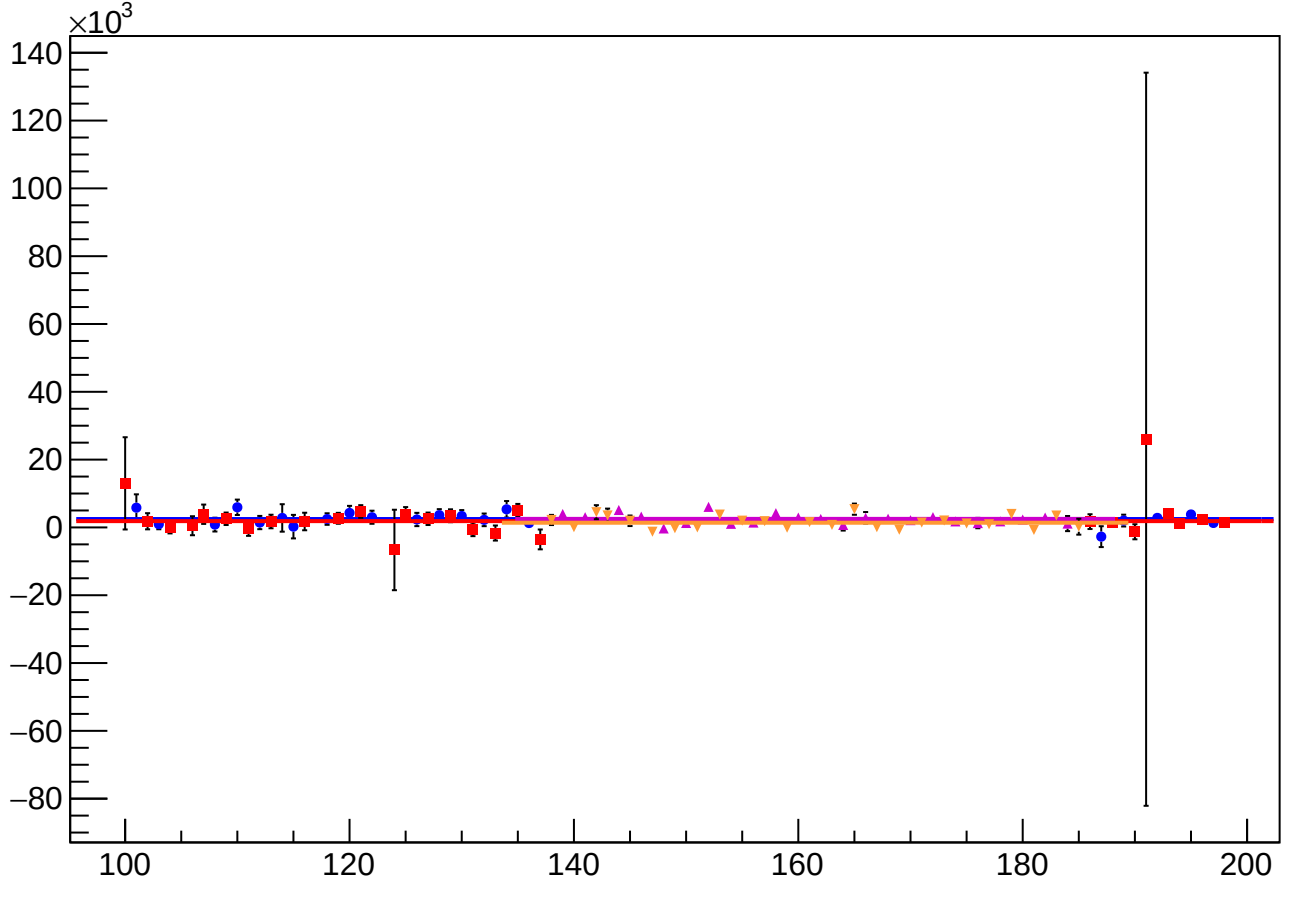
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 3059.047+/-0.524 χ^2/NDF: 11593815.4/47

In: 3998.491+/-0.568 χ^2/NDF:7938933.8/43

Out: 3607.458+/-0.505 χ^2/NDF:11791485.4/51

All: 3780.088+/-0.377 χ^2/NDF: 19995226.3/9



Right In: 2473.839+/-405.977 χ^2/NDF: 13.6/20

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1855.774+/-378.340 χ^2/NDF: 24.6/26

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

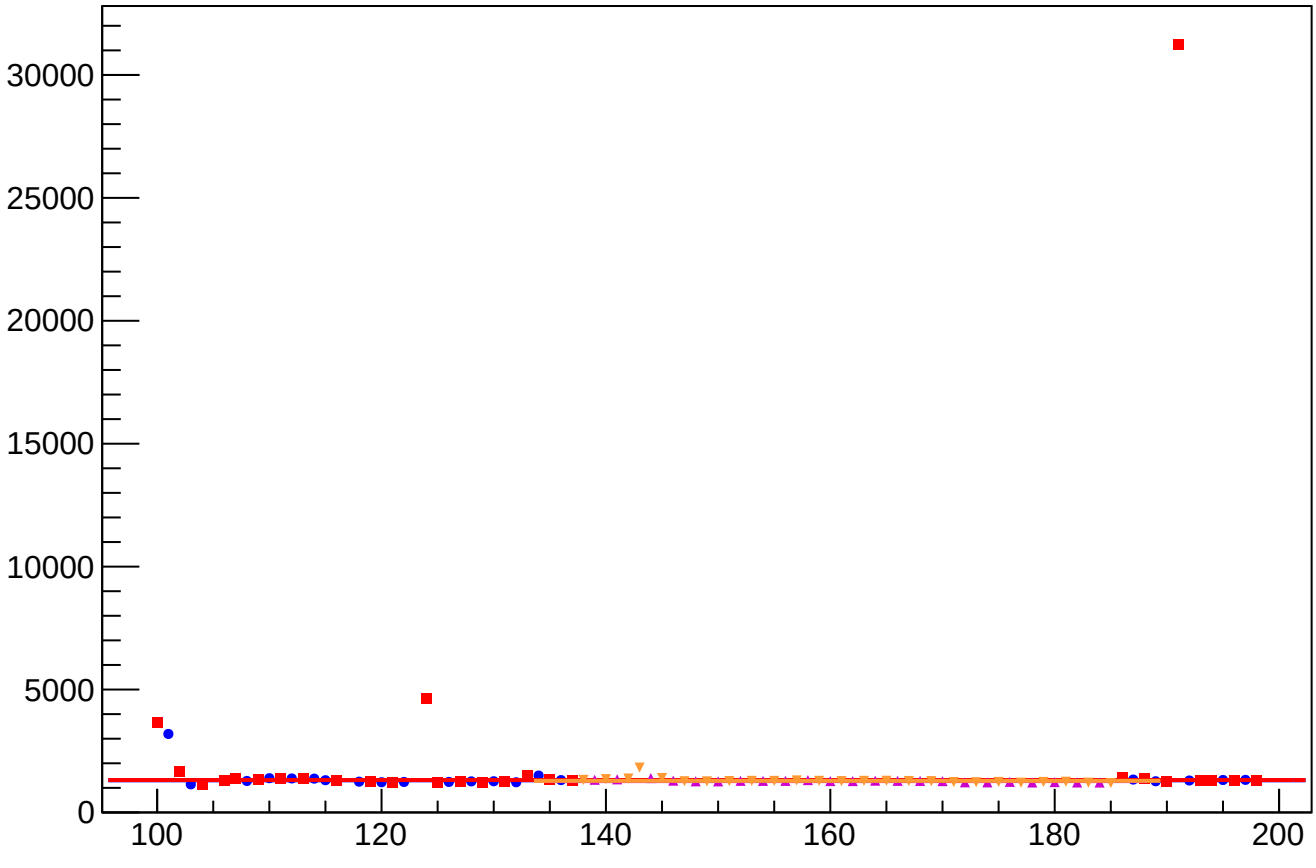
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2143.055+/-276.782 χ^2/NDF: 39.5/47

In: 2503.419+/-240.279 χ^2/NDF:36.1/43

Out: 1560.193+/-231.544 χ^2/NDF:58.5/51

All: 2014.351+/-166.729 χ^2/NDF: 102.6/95



Right In: 1307.455+/-0.287 χ^2/NDF: 517958.1/20

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1319.224+/-0.267 χ^2/NDF: 487854.8/26

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

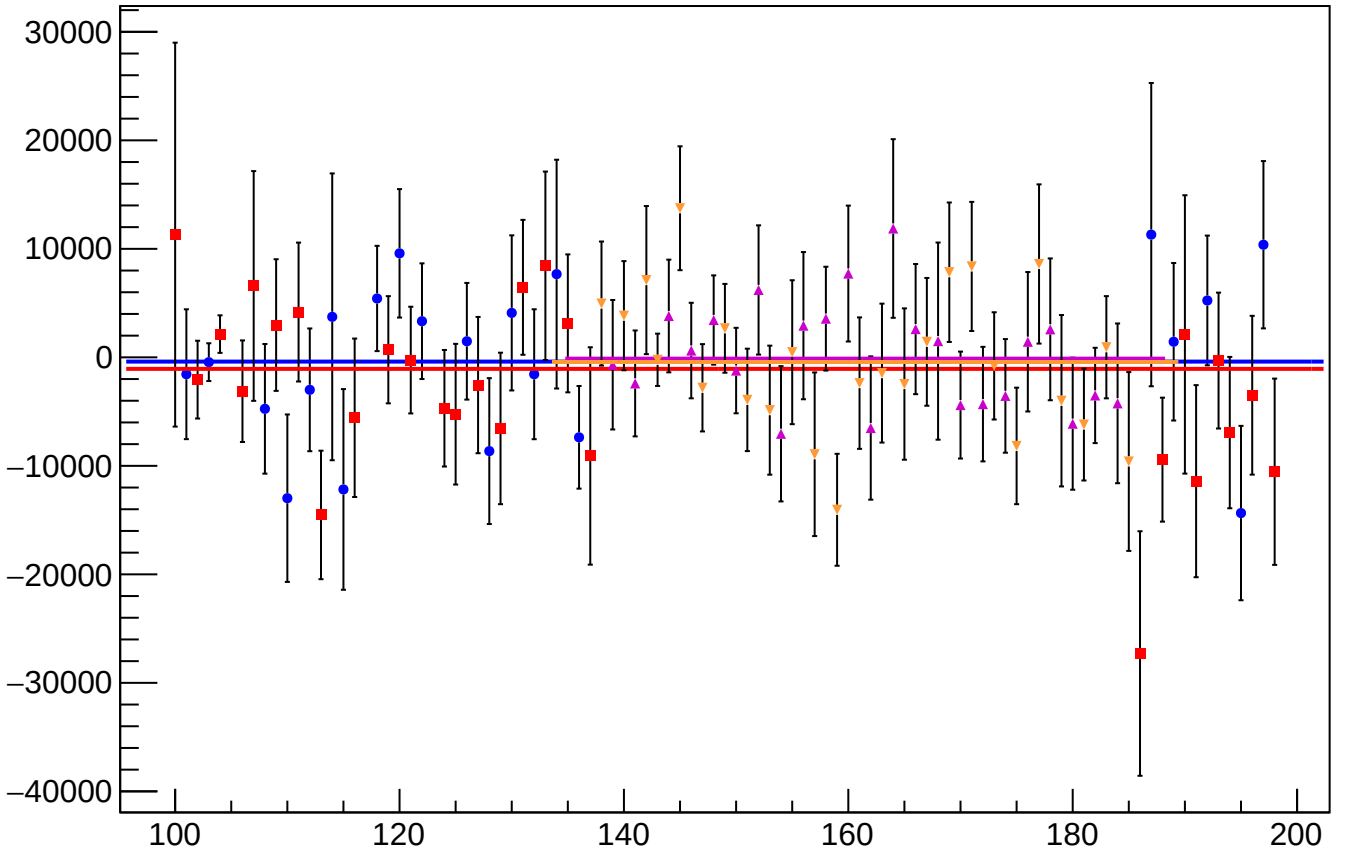
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1313.760+/-0.196 χ^2/NDF: 1006713.3/47

In: 1286.980+/-0.170 χ^2/NDF:567187.2/43

Out: 1298.242+/-0.164 χ^2/NDF:688747.0/51

All: 1292.822+/-0.118 χ^2/NDF: 1258213.3/95



Right In: -391.552+/-1118.298 χ^2/NDF: 21.4/20

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -1062.463+/-1018.073 χ^2/NDF: 27.9/26

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

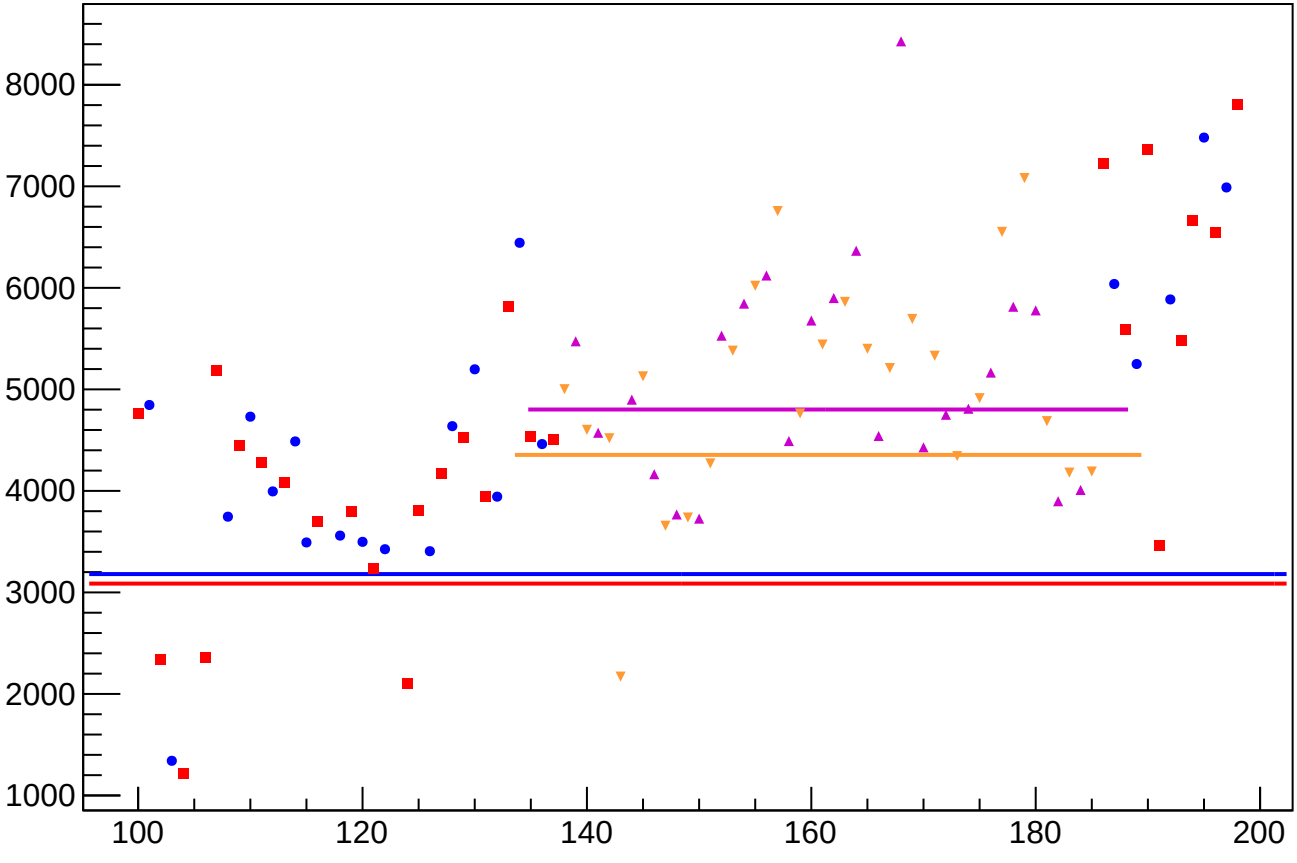
Right: -758.414+/-752.831 χ^2/NDF: 49.4/47

In: -258.605+/-799.926 χ^2/NDF:35.0/43

Out: -751.648+/-726.841 χ^2/NDF:57.9/51

All: -528.674+/-537.941 χ^2/NDF: 93.1/95

asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 3180.647+/-0.791 χ^2/NDF: 4913142.3/20

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3086.838+/-0.720 χ^2/NDF: 6222266.9/26

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

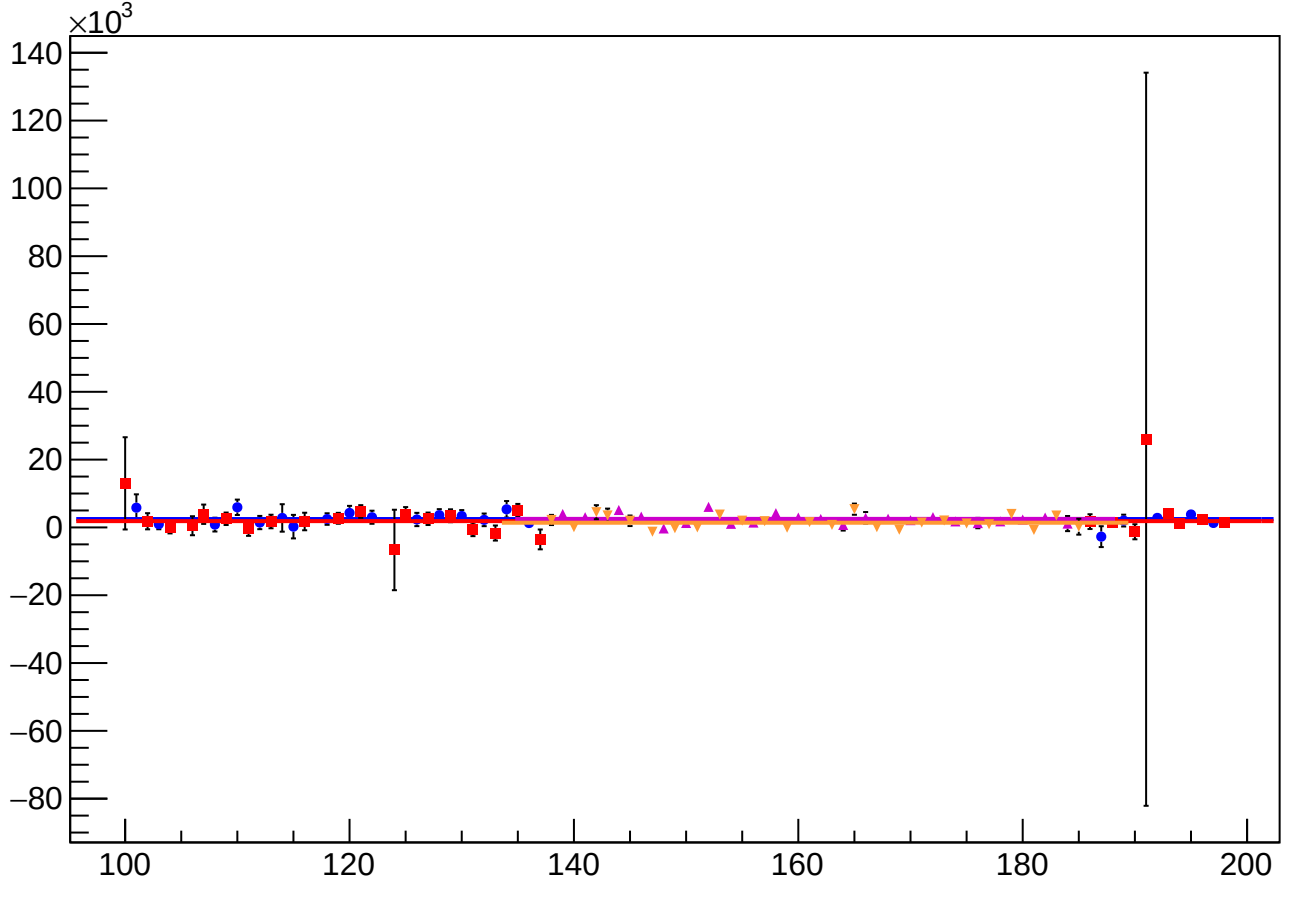
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3129.351+/-0.532 χ^2/NDF: 11143104.8/47

In: 3972.204+/-0.566 χ^2/NDF:8196952.6/43

Out: 3708.367+/-0.514 χ^2/NDF:10814139.0/51

All: 3827.685+/-0.380 χ^2/NDF: 19130268.0/9



Right In: 2473.839+/-405.977 χ^2/NDF: 13.6/20

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1855.774+/-378.340 χ^2/NDF: 24.6/26

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

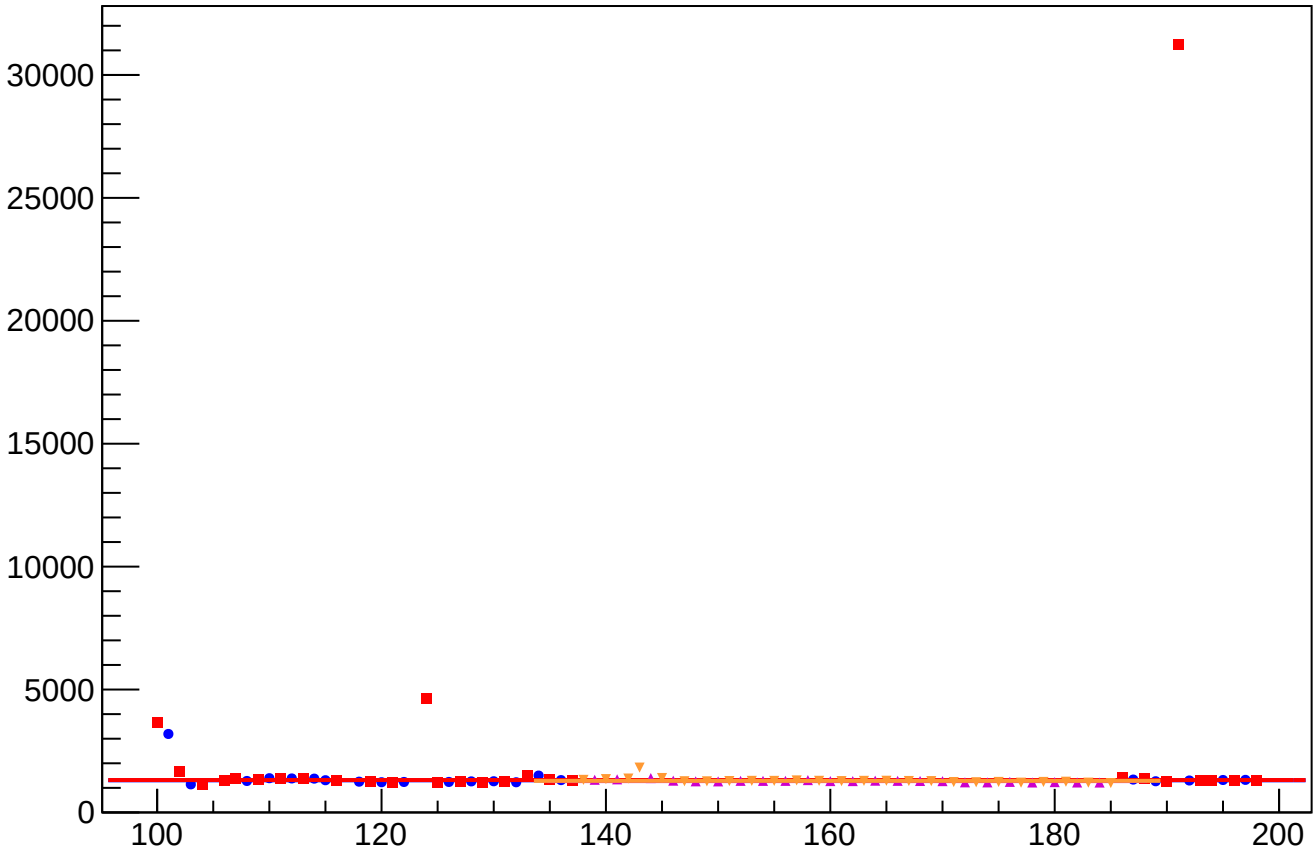
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2143.055+/-276.782 χ^2/NDF: 39.5/47

In: 2503.419+/-240.279 χ^2/NDF:36.1/43

Out: 1560.193+/-231.544 χ^2/NDF:58.5/51

All: 2014.351+/-166.729 χ^2/NDF: 102.6/95



Right In: 1307.455+/-0.287 χ^2/NDF: 517958.1/20

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1319.224+/-0.267 χ^2/NDF: 487854.8/26

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

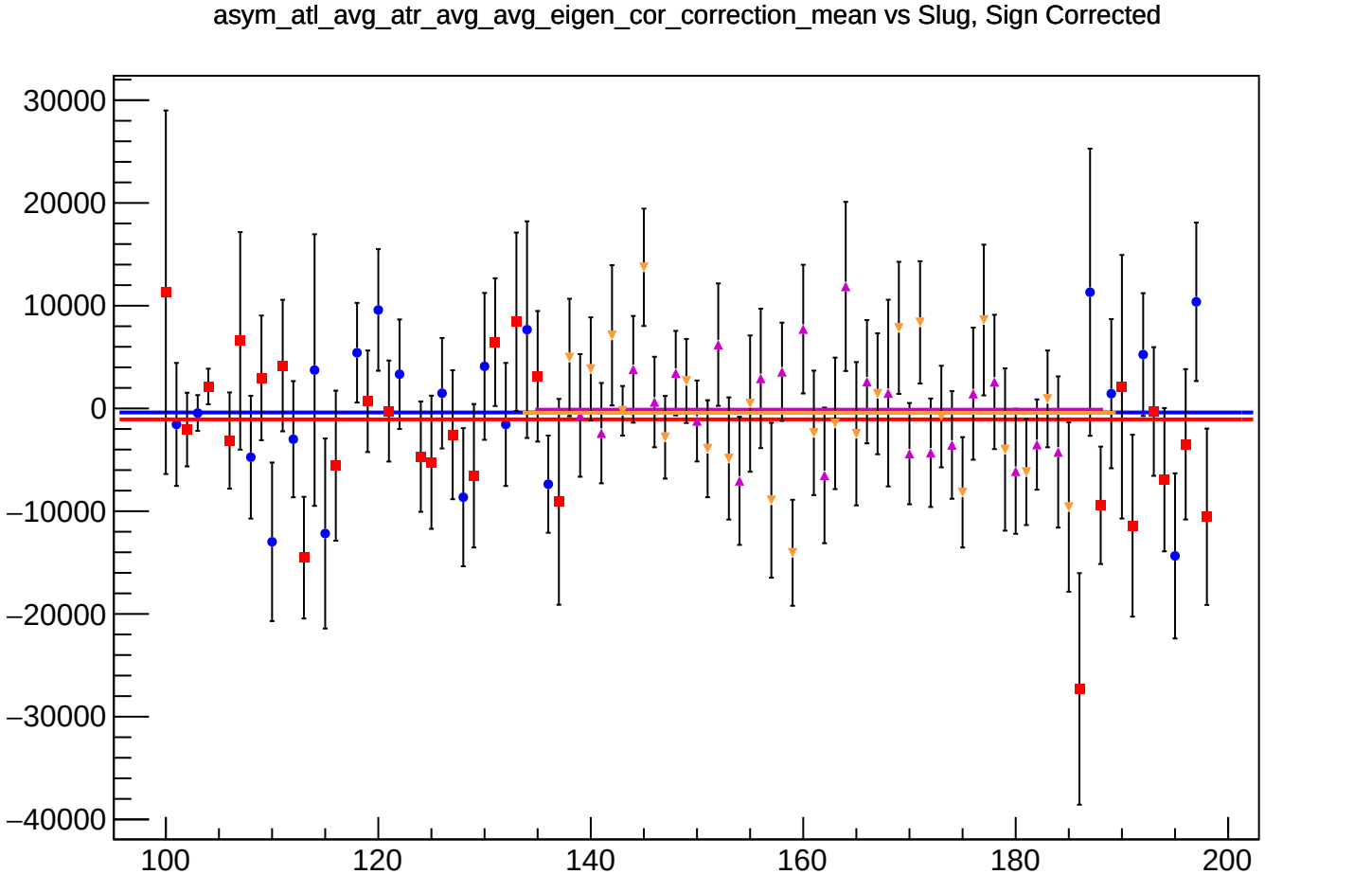
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1313.760+/-0.196 χ^2/NDF: 1006713.3/47

In: 1286.980+/-0.170 χ^2/NDF:567187.2/43

Out: 1298.242+/-0.164 χ^2/NDF:688747.0/51

All: 1292.822+/-0.118 χ^2/NDF: 1258213.3/95



Right In: -391.552+/-1118.298 χ^2/NDF: 21.4/20

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -1062.463+/-1018.073 χ^2/NDF: 27.9/26

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

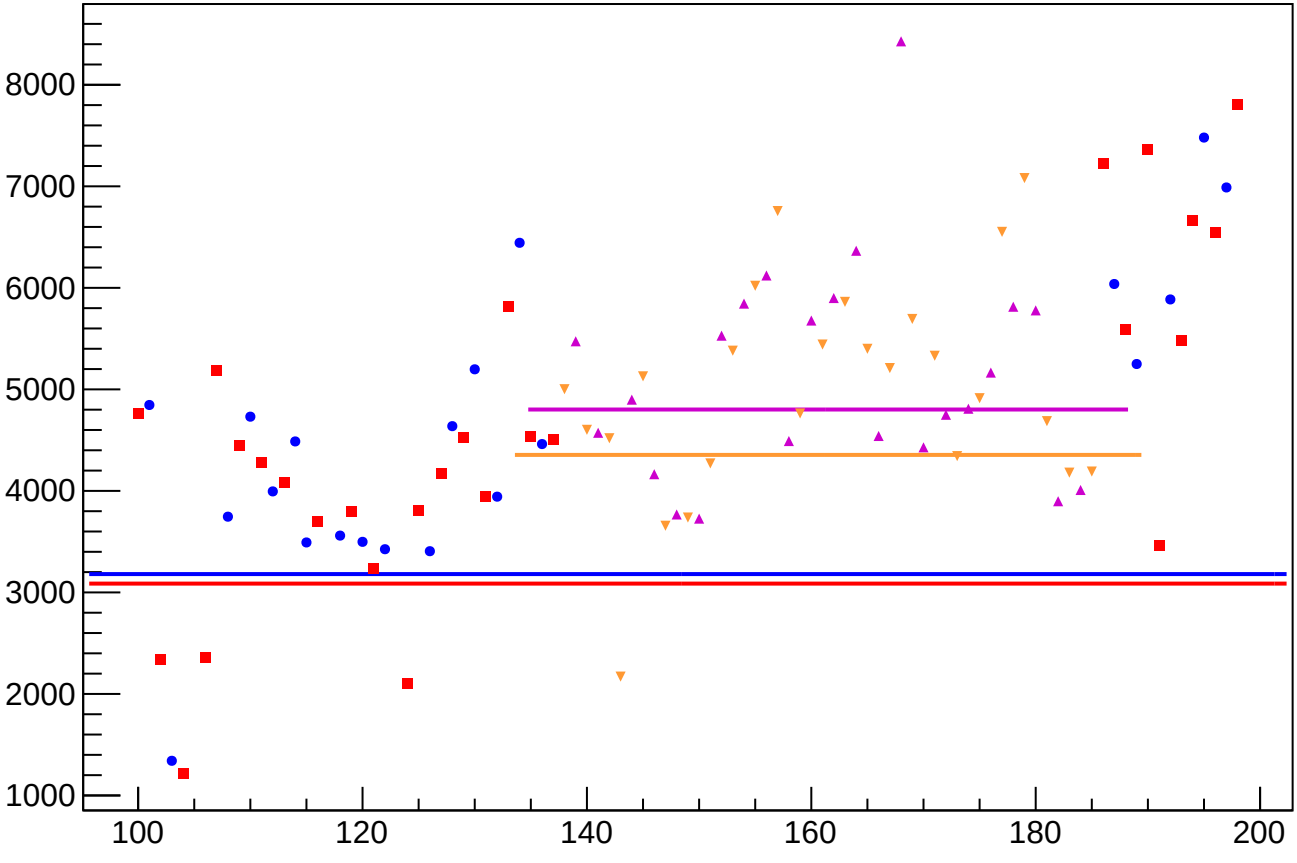
Right: -758.414+/-752.831 χ^2/NDF: 49.4/47

In: -258.605+/-799.926 χ^2/NDF:35.0/43

Out: -751.648+/-726.841 χ^2/NDF:57.9/51

All: -528.674+/-537.941 χ^2/NDF: 93.1/95

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3180.647+/-0.791 χ^2/NDF: 4913142.3/20

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3086.838+/-0.720 χ^2/NDF: 6222266.9/26

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

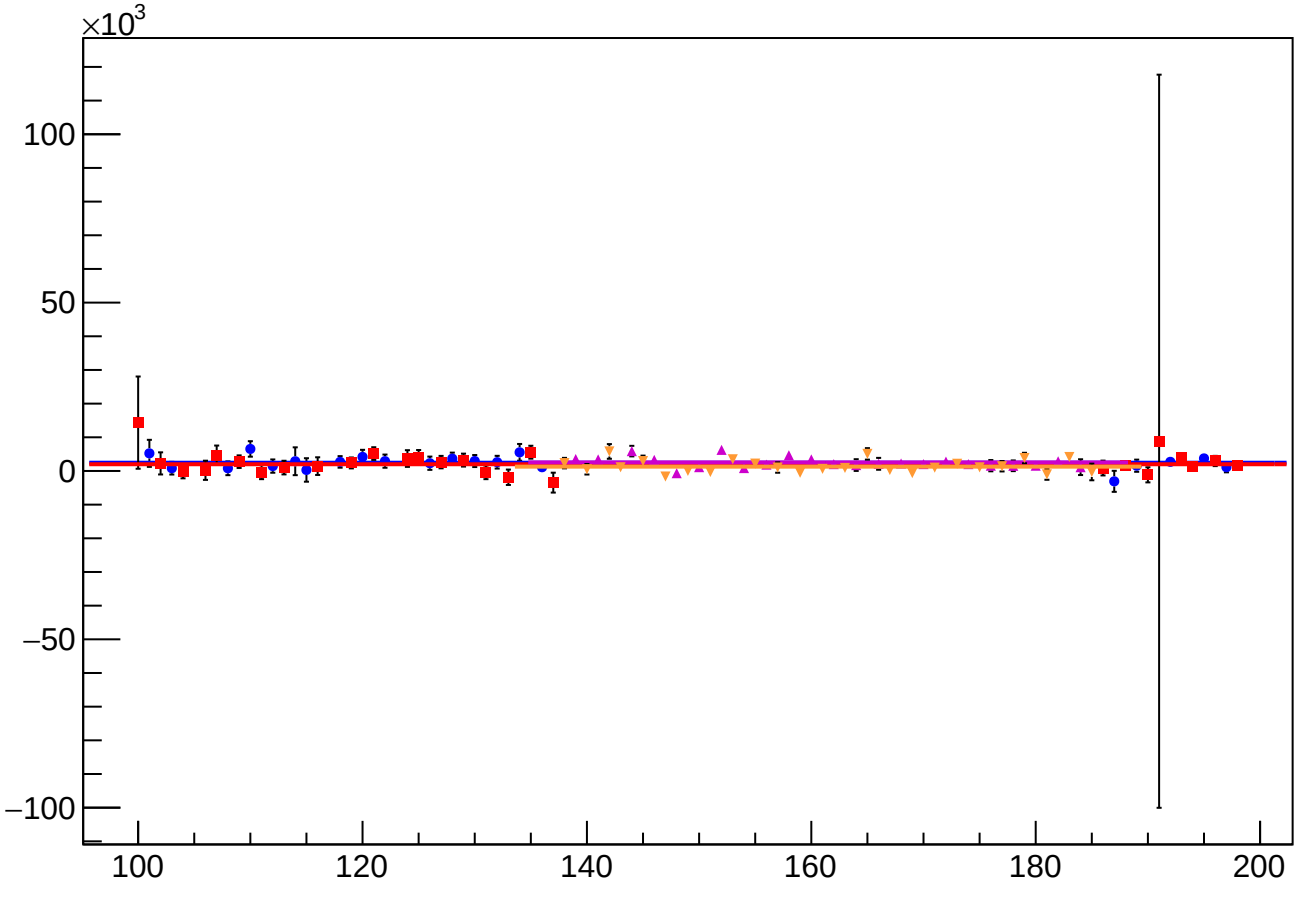
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3129.351+/-0.532 χ^2/NDF: 11143104.8/47

In: 3972.204+/-0.566 χ^2/NDF:8196952.6/43

Out: 3708.367+/-0.514 χ^2/NDF:10814139.0/51

All: 3827.685+/-0.380 χ^2/NDF: 19130268.0/9



Right In: 2450.377+/-419.523 χ^2/NDF: 14.4/20

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: 1996.718+/-386.153 χ^2/NDF: 26.0/26

Left In: 2531.791+/-312.886 χ^2/NDF:25.0/22

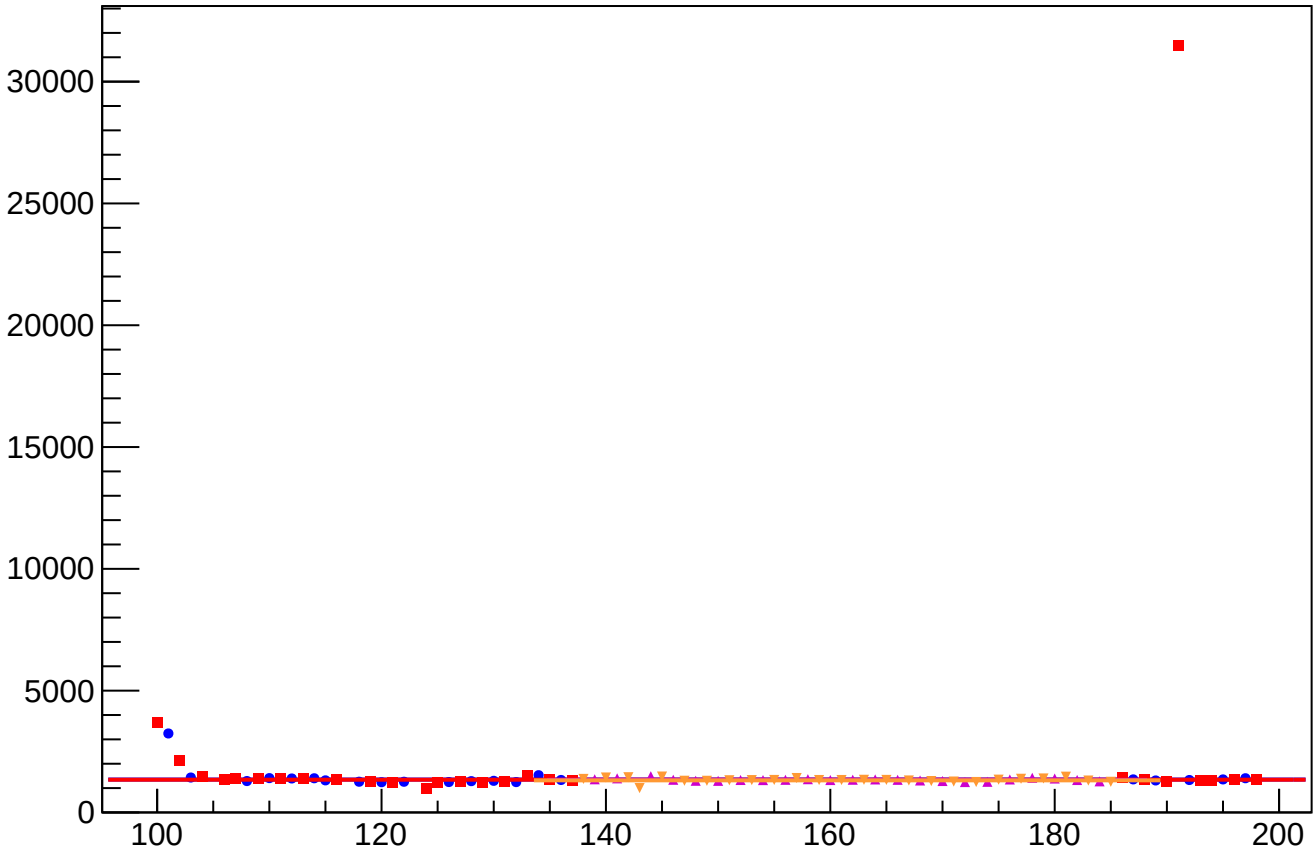
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2204.790+/-284.117 χ^2/NDF: 41.0/47

In: 2502.691+/-250.812 χ^2/NDF:39.4/43

Out: 1553.112+/-237.168 χ^2/NDF:61.5/51

All: 2001.371+/-172.325 χ^2/NDF: 108.4/95



Right In: 1351.214+/-0.297 χ^2/NDF: 497806.5/20

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

Right Out: 1344.195+/-0.273 χ^2/NDF: 434083.4/26

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

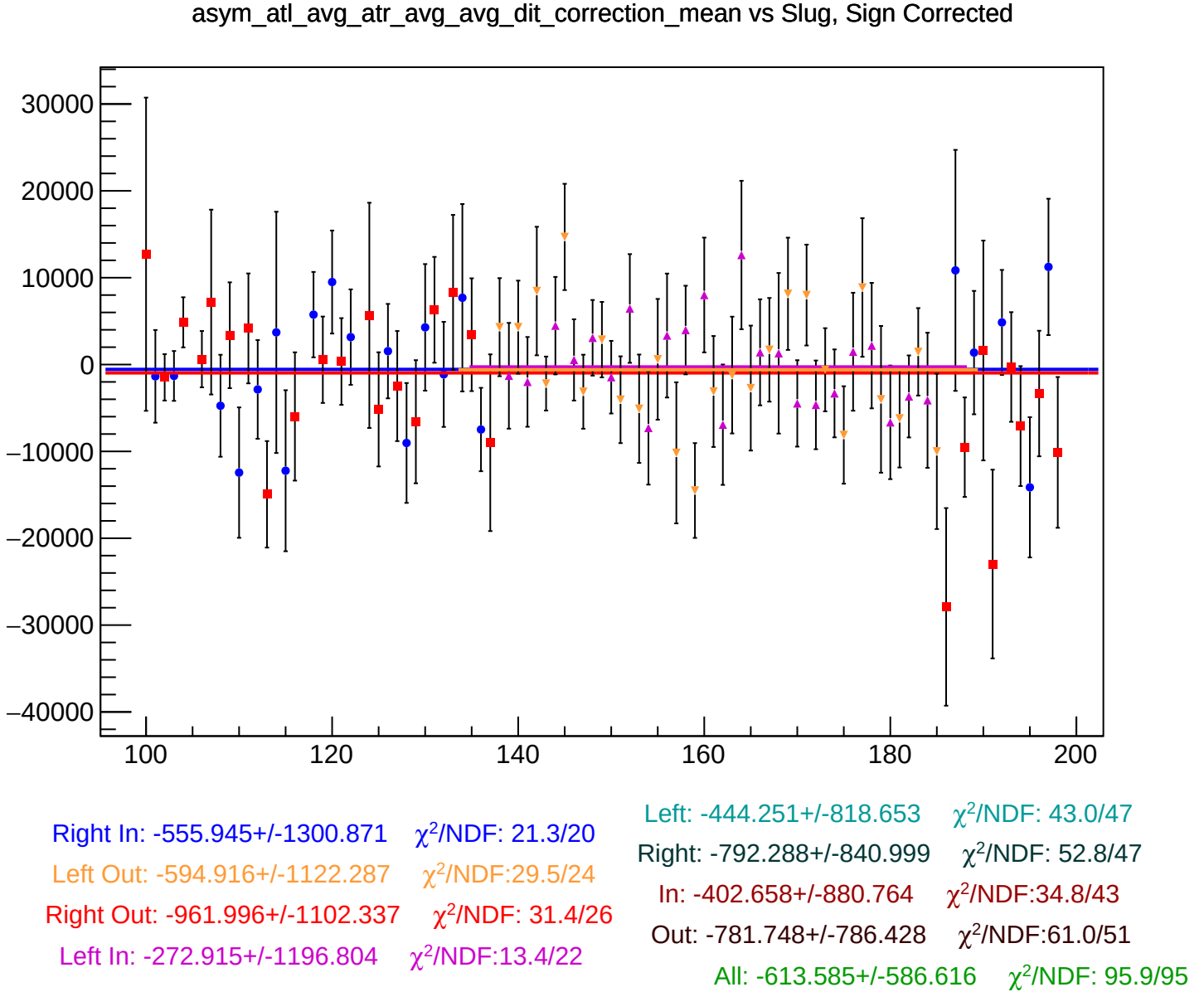
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

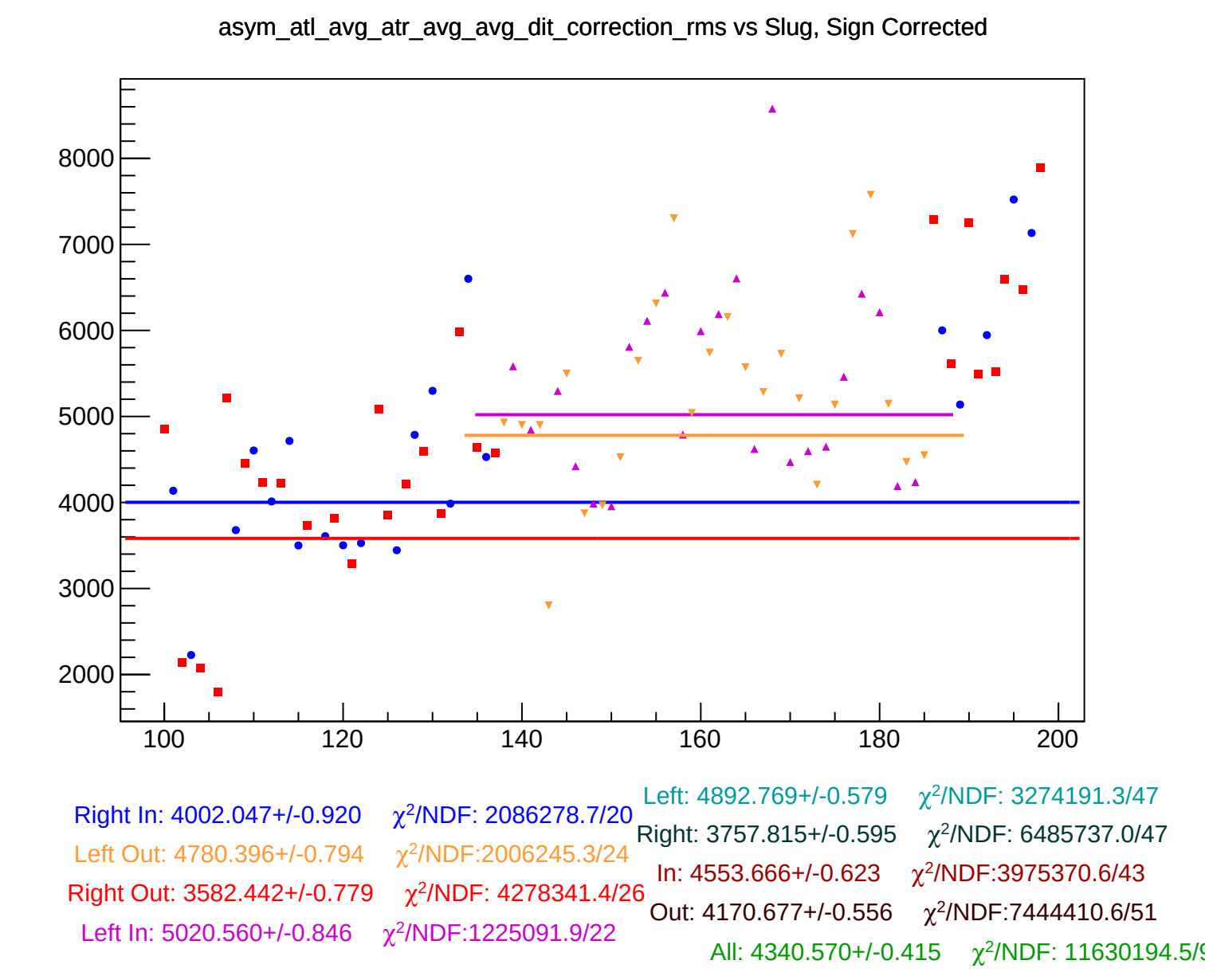
Right: 1347.413+/-0.201 χ^2/NDF: 932193.1/47

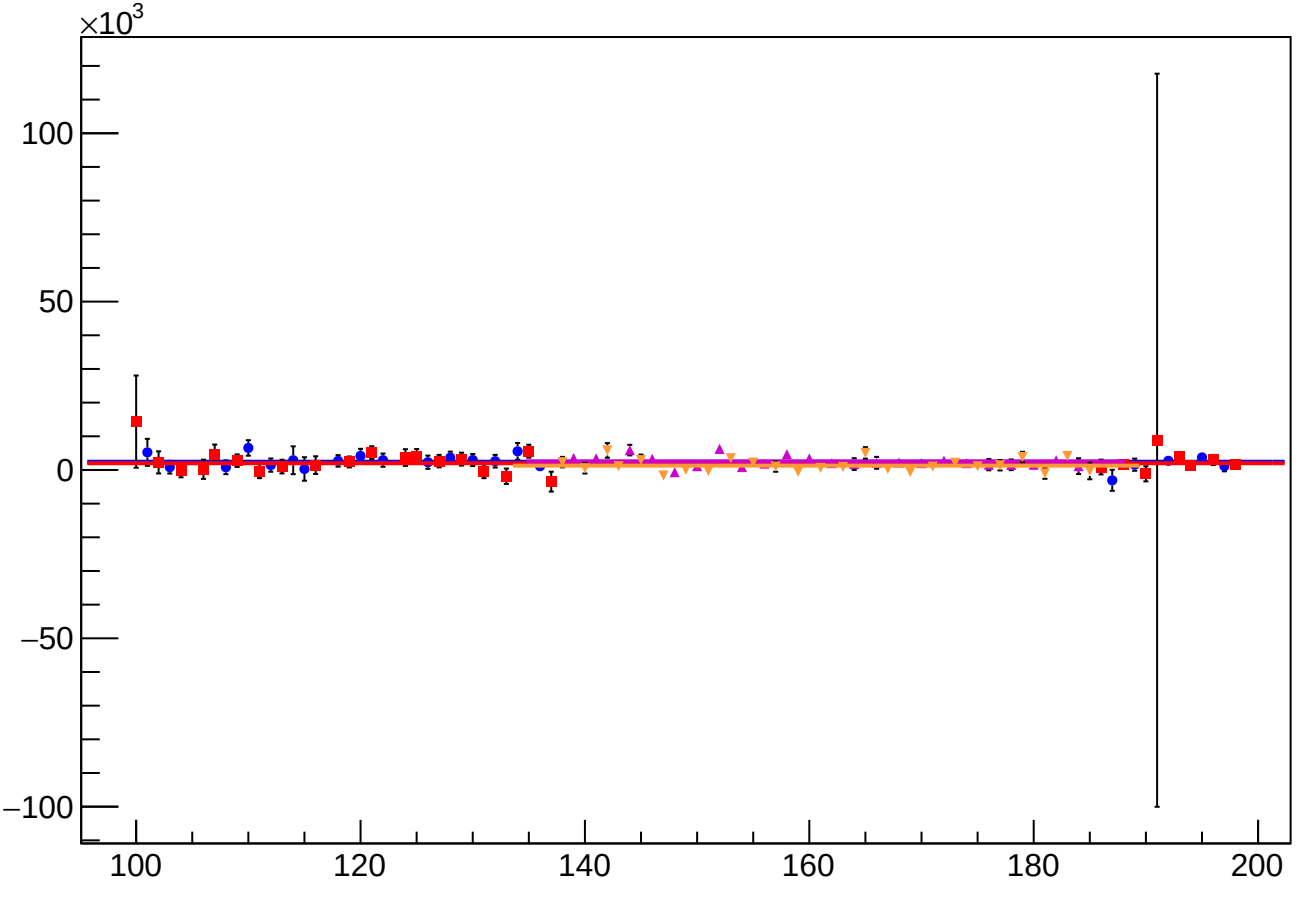
In: 1343.110+/-0.177 χ^2/NDF:553216.4/43

Out: 1327.994+/-0.168 χ^2/NDF:688289.2/51

All: 1335.129+/-0.122 χ^2/NDF: 1245341.4/95


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -555.945+/-1300.871 χ²/NDF: 21.3/20
Left Out: -594.916+/-1122.287 χ²/NDF:29.5/24
Right Out: -961.996+/-1102.337 χ²/NDF: 31.4/26
Left In: -272.915+/-1196.804 χ²/NDF:13.4/22
Left: -444.251+/-818.653 χ²/NDF: 43.0/47
Right: -792.288+/-840.999 χ²/NDF: 52.8/47
In: -402.658+/-880.764 χ²/NDF:34.8/43
Out: -781.748+/-786.428 χ²/NDF:61.0/51
All: -613.585+/-586.616 χ²/NDF: 95.9/95


asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 4002.047+/-0.920 χ²/NDF: 2086278.7/20
Left Out: 4780.396+/-0.794 χ²/NDF:2006245.3/24
Right Out: 3582.442+/-0.779 χ²/NDF: 4278341.4/26
Left In: 5020.560+/-0.846 χ²/NDF:1225091.9/22
Left: 4892.769+/-0.579 χ²/NDF: 3274191.3/47
Right: 3757.815+/-0.595 χ²/NDF: 6485737.0/47
In: 4553.666+/-0.623 χ²/NDF:3975370.6/43
Out: 4170.677+/-0.556 χ²/NDF:7444410.6/51
All: 4340.570+/-0.415 χ²/NDF: 11630194.5/9



Right In: 2450.375+/-419.523 χ^2/NDF: 14.4/20

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: 1996.718+/-386.153 χ^2/NDF: 26.0/26

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

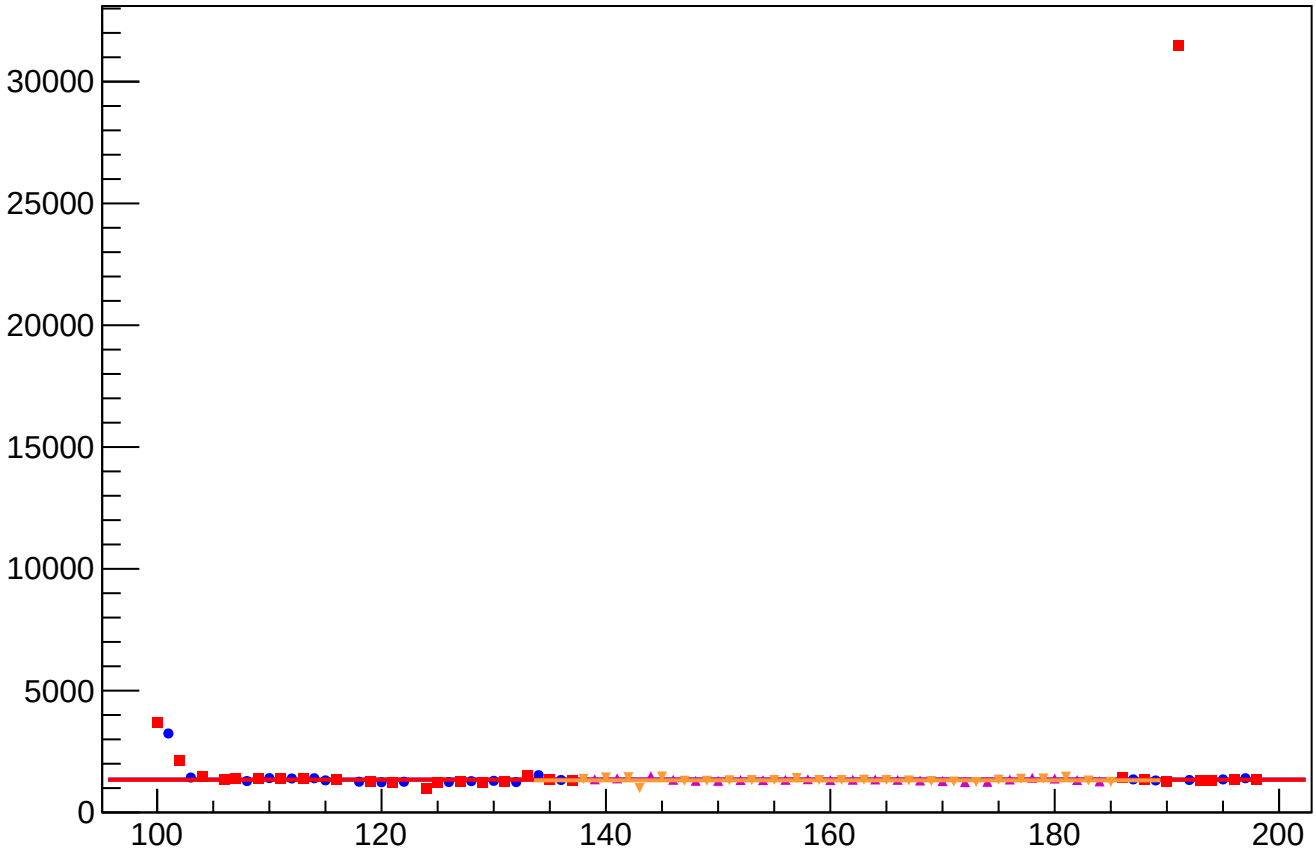
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2204.789+/-284.117 χ^2/NDF: 41.0/47

In: 2502.691+/-250.812 χ^2/NDF:39.4/43

Out: 1553.109+/-237.168 χ^2/NDF:61.5/51

All: 2001.369+/-172.325 χ^2/NDF: 108.4/95



Right In: 1351.214+/-0.297 χ^2/NDF: 497806.8/20

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

Right Out: 1344.195+/-0.273 χ^2/NDF: 434082.3/26

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

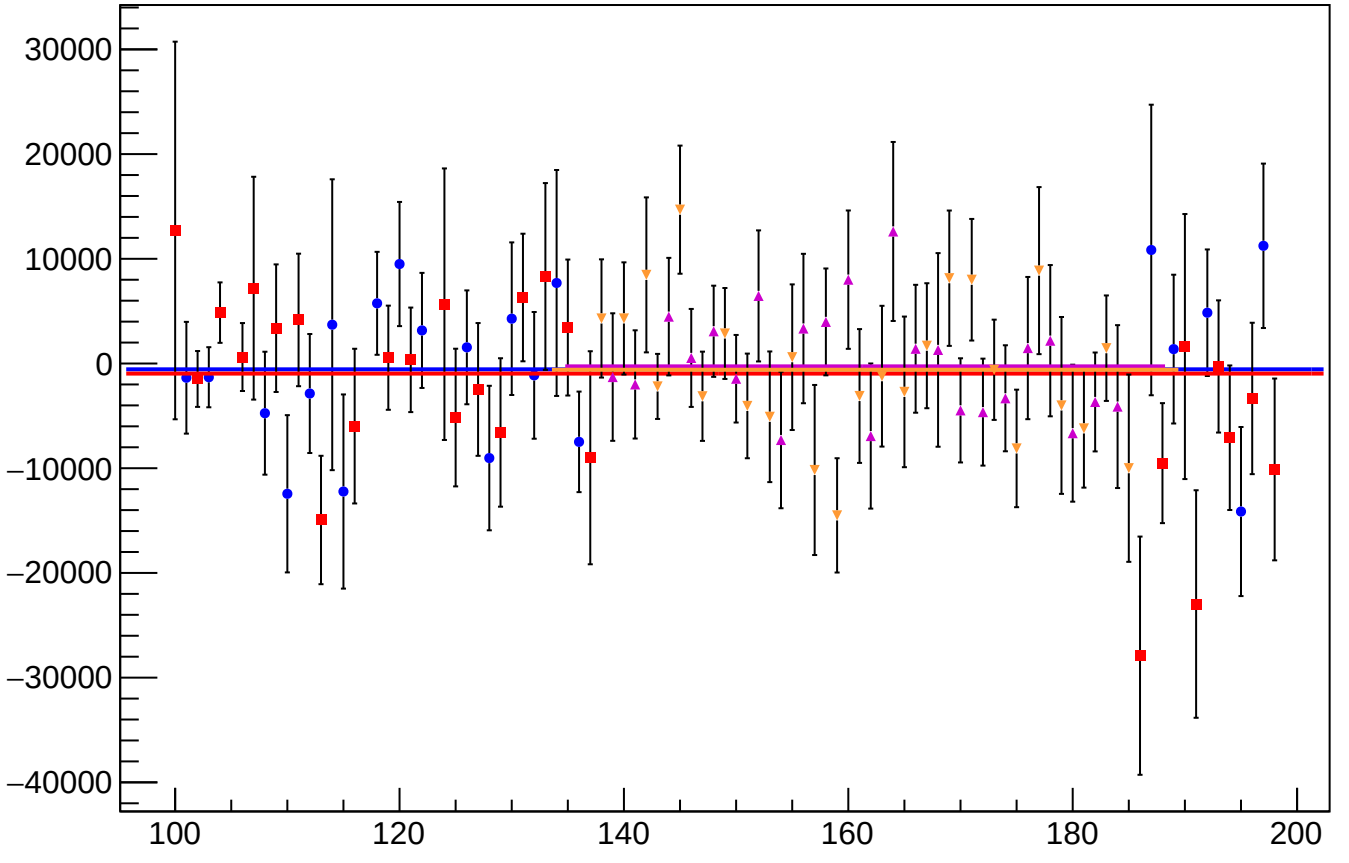
Right: 1347.413+/-0.201 χ^2/NDF: 932192.3/47

In: 1343.111+/-0.177 χ^2/NDF:553218.9/43

Out: 1327.995+/-0.168 χ^2/NDF:688290.0/51

All: 1335.130+/-0.122 χ^2/NDF: 1245344.7/95

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -555.939+/-1300.868 χ^2/NDF: 21.3/20

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

Right Out: -961.989+/-1102.335 χ^2/NDF: 31.4/26

Left In: -272.917+/-1196.806 χ^2/NDF:13.4/22

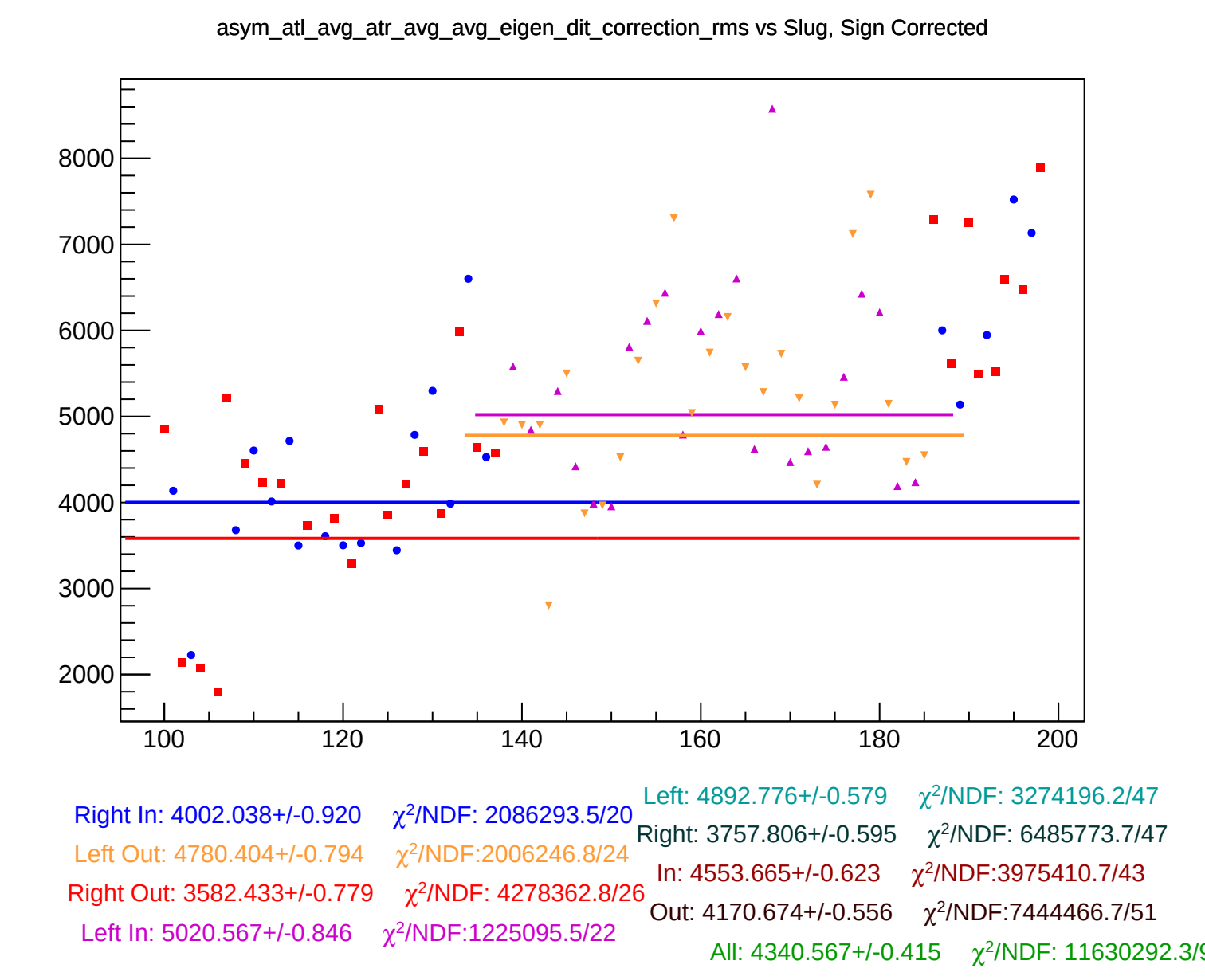
Left: -444.254+/-818.655 χ^2/NDF: 43.0/47

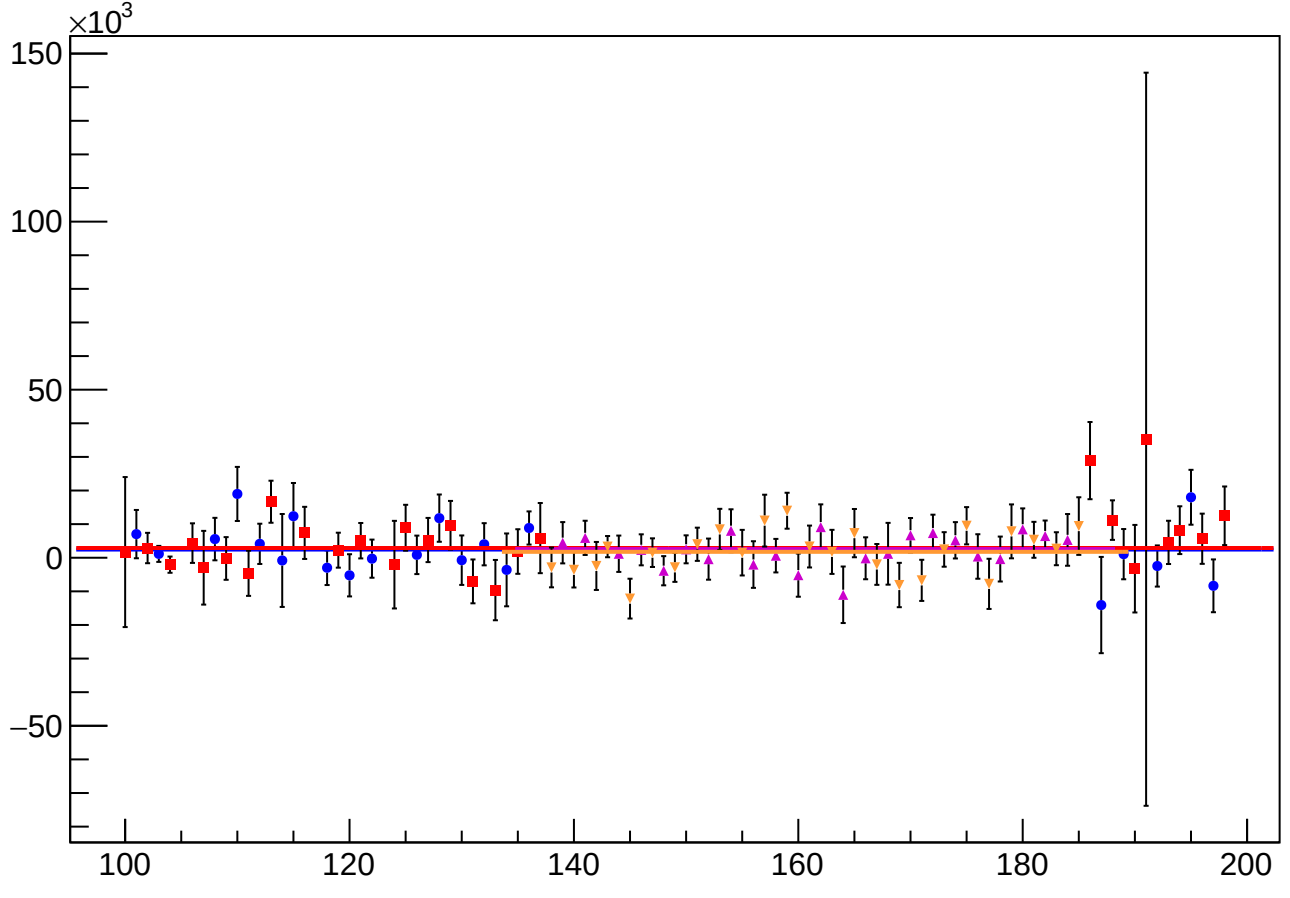
Right: -792.281+/-840.997 χ^2/NDF: 52.8/47

In: -402.656+/-880.764 χ^2/NDF:34.8/43

Out: -781.747+/-786.428 χ^2/NDF:61.0/51

All: -613.583+/-586.616 χ^2/NDF: 95.9/95


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: 4002.038+/-0.920 χ²/NDF: 2086293.5/20
Left Out: 4780.404+/-0.794 χ²/NDF:2006246.8/24
Right Out: 3582.433+/-0.779 χ²/NDF: 4278362.8/26
Left In: 5020.567+/-0.846 χ²/NDF:1225095.5/22
Left: 4892.776+/-0.579 χ²/NDF: 3274196.2/47
Right: 3757.806+/-0.595 χ²/NDF: 6485773.7/47
In: 4553.665+/-0.623 χ²/NDF:3975410.7/43
Out: 4170.674+/-0.556 χ²/NDF:7444466.7/51
All: 4340.567+/-0.415 χ²/NDF: 11630292.3/9



Right In: 2438.995+/-1292.448 χ^2/NDF: 20.8/20

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: 2897.221+/-1215.456 χ^2/NDF: 27.1/26

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

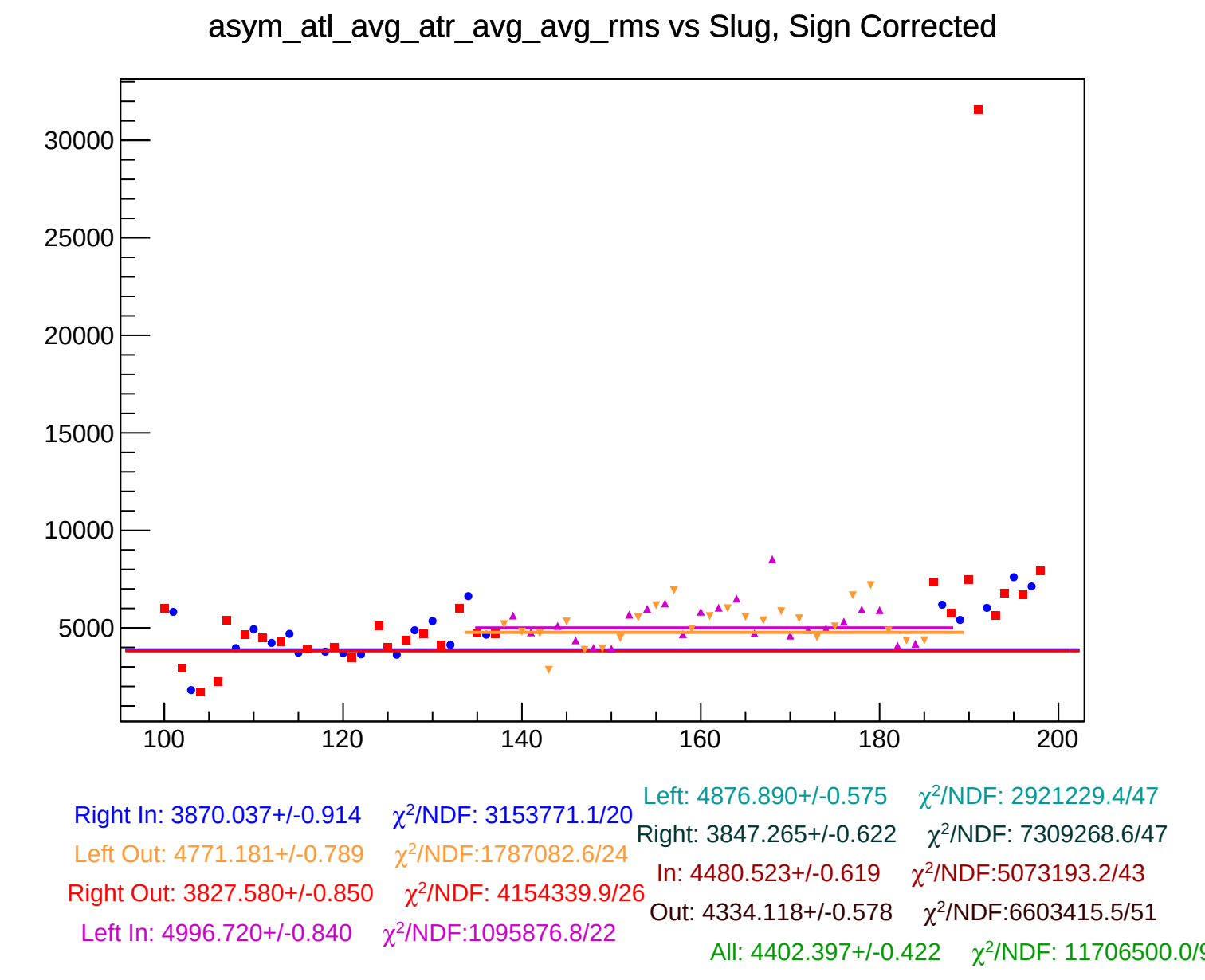
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

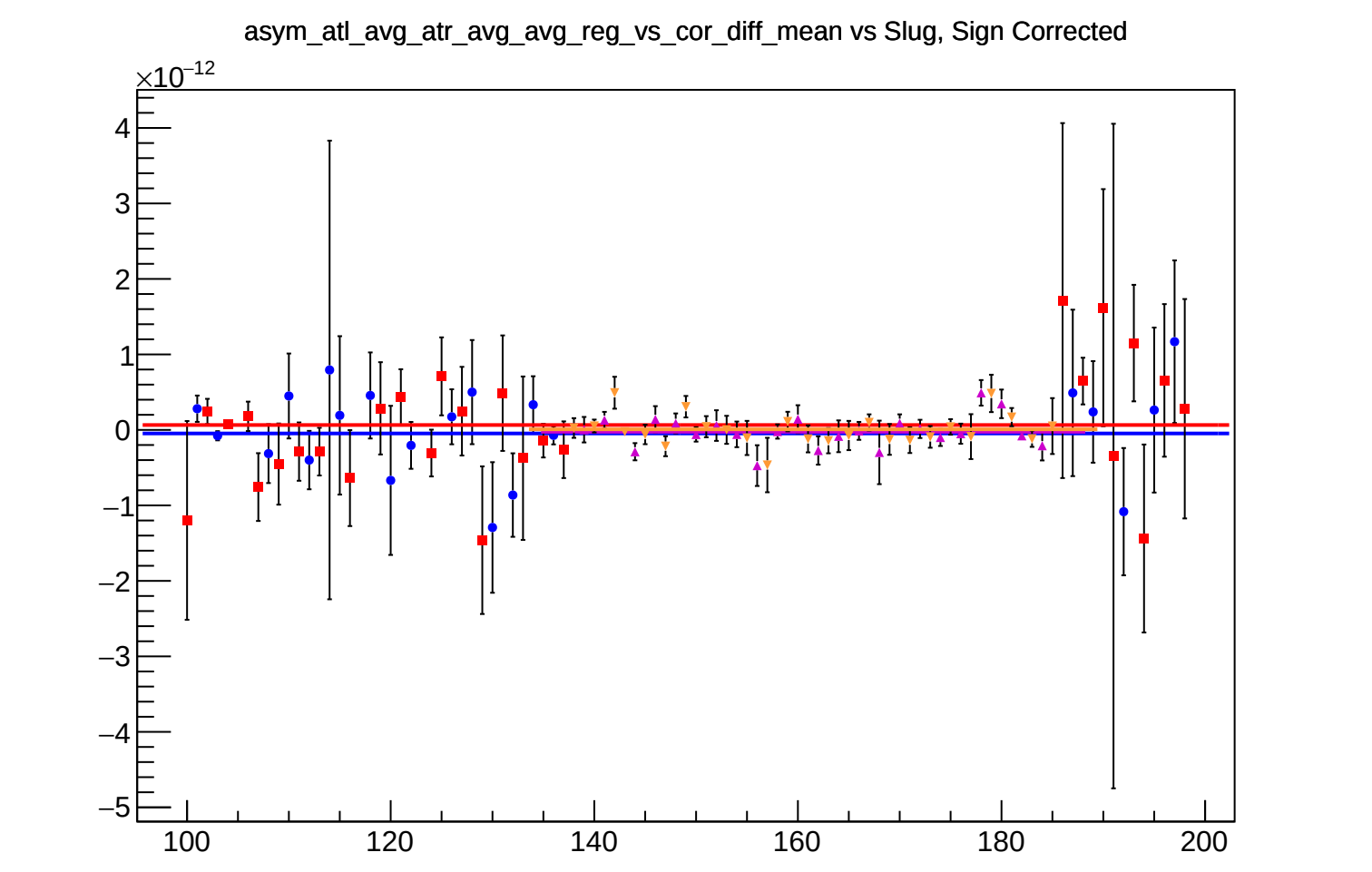
Right: 2682.162+/-885.425 χ^2/NDF: 48.0/47

In: 2515.376+/-874.819 χ^2/NDF:34.0/43

Out: 2281.217+/-822.139 χ^2/NDF:55.3/51

All: 2391.034+/-599.099 χ^2/NDF: 89.3/95


asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 3870.037+/-0.914 χ²/NDF: 3153771.1/20
Left Out: 4771.181+/-0.789 χ²/NDF:1787082.6/24
Right Out: 3827.580+/-0.850 χ²/NDF: 4154339.9/26
Left In: 4996.720+/-0.840 χ²/NDF:1095876.8/22
Left: 4876.890+/-0.575 χ²/NDF: 2921229.4/47
Right: 3847.265+/-0.622 χ²/NDF: 7309268.6/47
In: 4480.523+/-0.619 χ²/NDF:5073193.2/43
Out: 4334.118+/-0.578 χ²/NDF:6603415.5/51
All: 4402.397+/-0.422 χ²/NDF: 11706500.0/9



Right In: -0.000+/-0.000 χ^2/NDF: 17.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.5/26

Left In: -0.000+/-0.000 χ^2/NDF:31.7/22

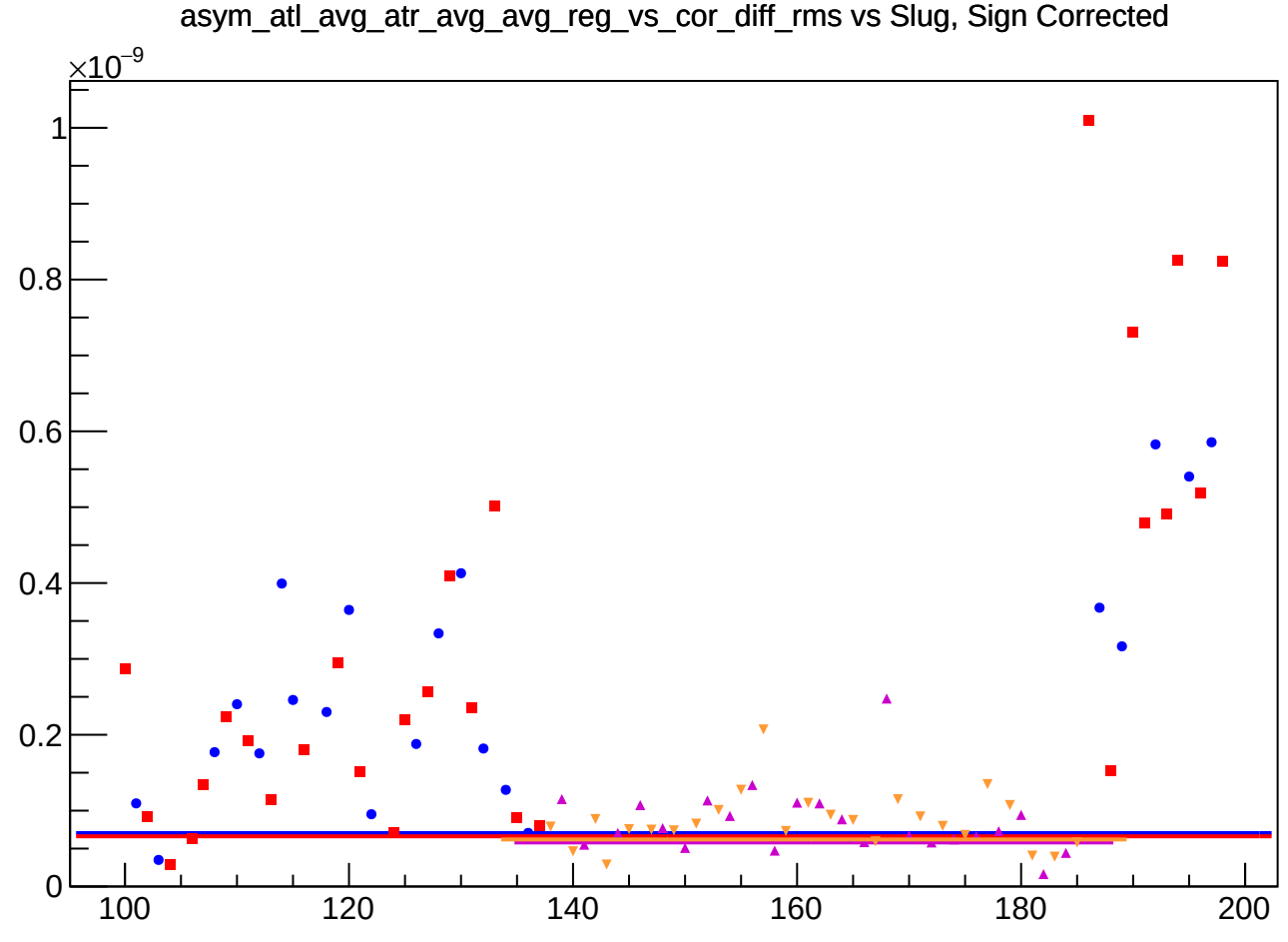
Left: -0.000+/-0.000 χ^2/NDF: 59.5/47

Right: 0.000+/-0.000 χ^2/NDF: 47.3/47

In: -0.000+/-0.000 χ^2/NDF:48.9/43

Out: 0.000+/-0.000 χ^2/NDF:55.8/51

All: -0.000+/-0.000 χ^2/NDF: 107.1/95



Right In: 0.000+/-0.000 χ^2/NDF: 4598024.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6056821.6/26

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

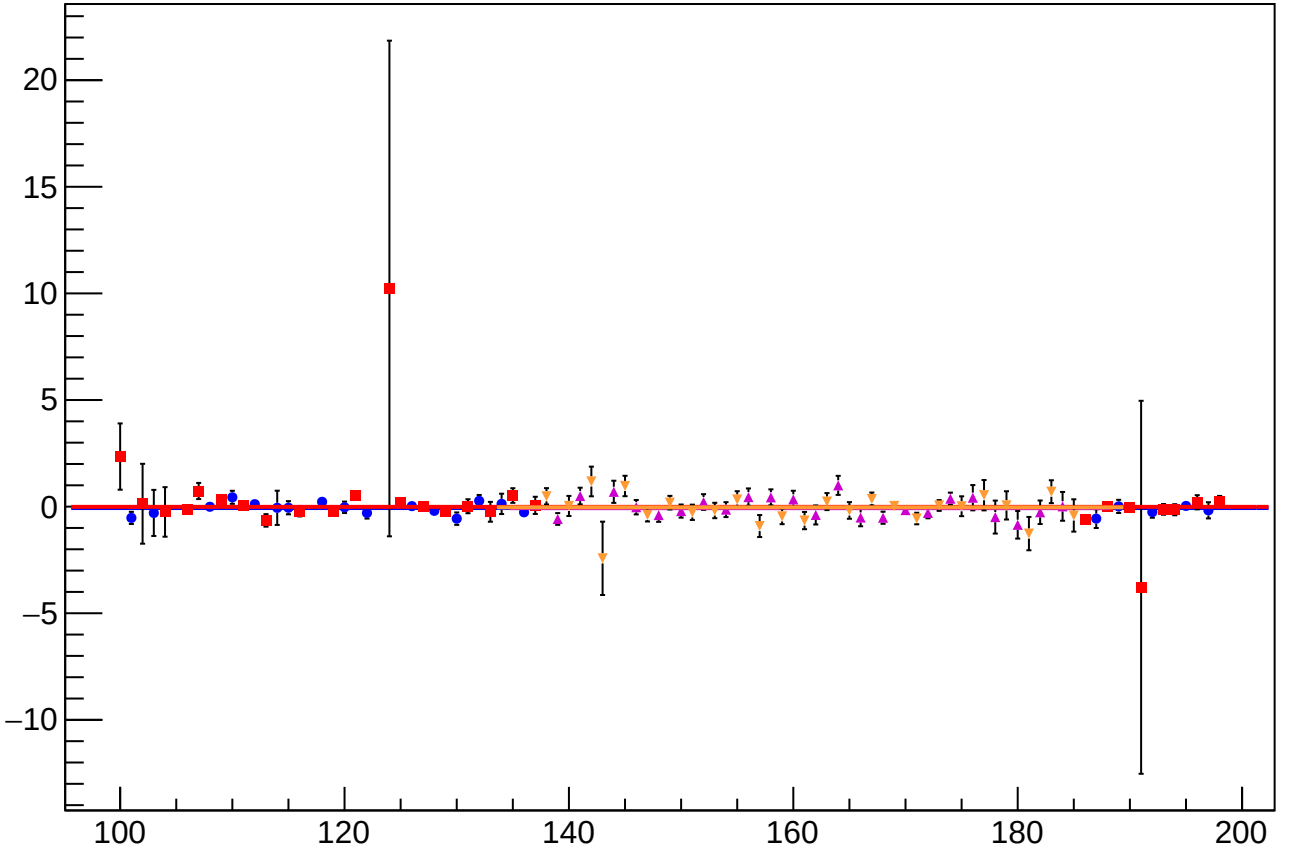
Right: 0.000+/-0.000 χ^2/NDF: 10662721.4/47

In: 0.000+/-0.000 χ^2/NDF:7665279.0/43

Out: 0.000+/-0.000 χ^2/NDF:8512367.9/51

All: 0.000+/-0.000 χ^2/NDF: 16185970.7/95

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.066+/-0.060 χ^2/NDF: 17.0/20

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.011+/-0.048 χ^2/NDF: 37.0/26

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

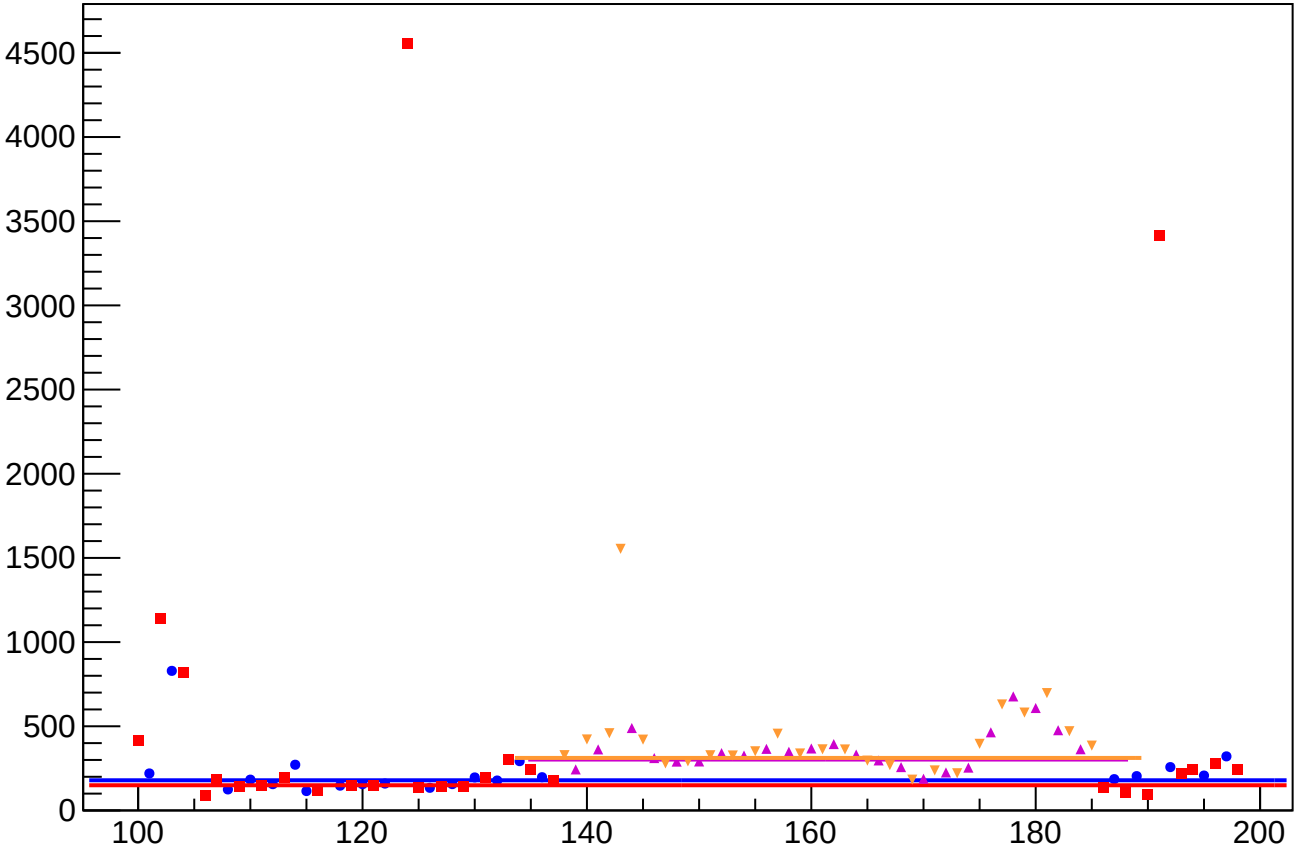
Right: -0.033+/-0.038 χ^2/NDF: 54.5/47

In: -0.067+/-0.047 χ^2/NDF:46.9/43

Out: -0.018+/-0.041 χ^2/NDF:69.6/51

All: -0.039+/-0.031 χ^2/NDF: 117.2/95

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.247+/-0.042 χ^2/NDF: 1851108.4/20

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 149.698+/-0.034 χ^2/NDF: 4089319.0/26

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

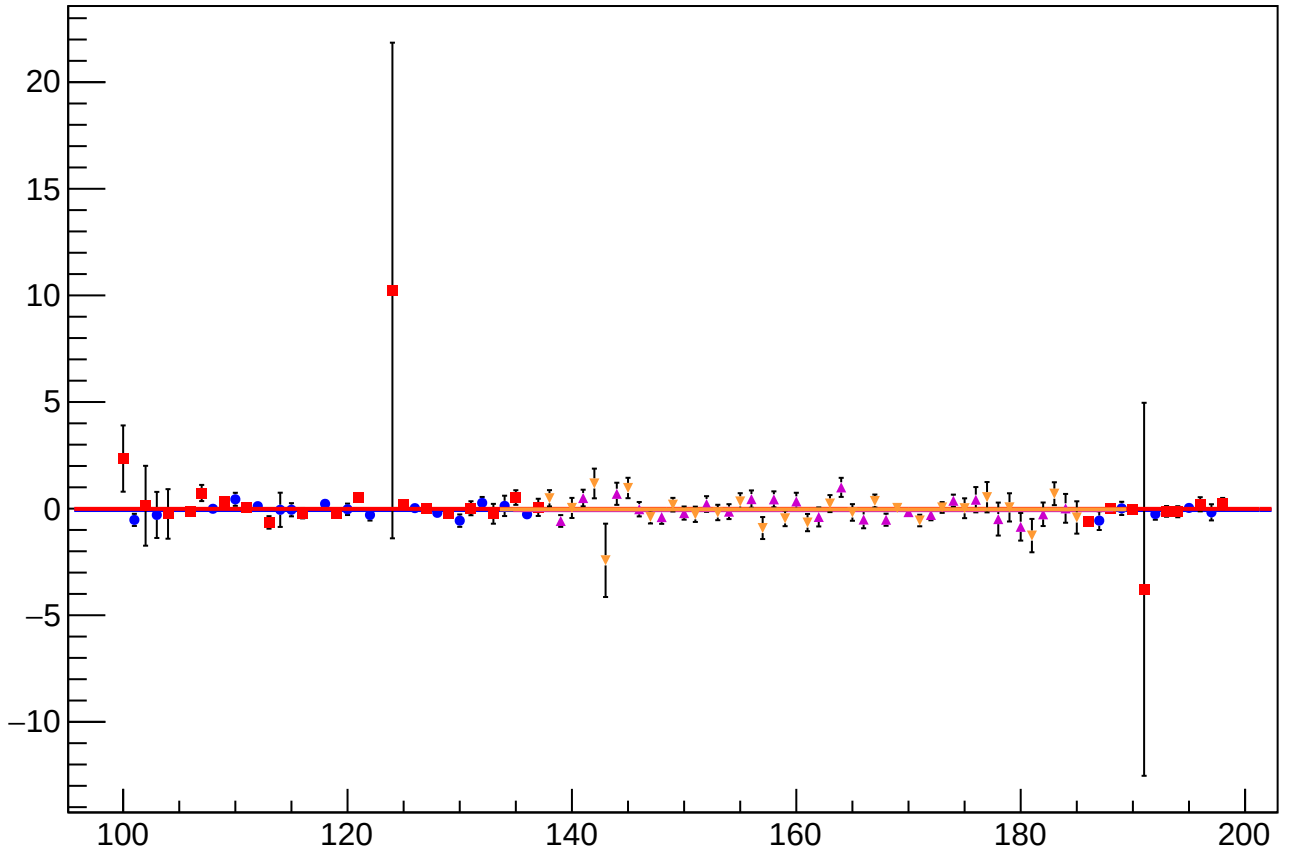
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 161.413+/-0.027 χ^2/NDF: 6235238.4/47

In: 227.174+/-0.033 χ^2/NDF:7961255.5/43

Out: 196.017+/-0.029 χ^2/NDF:14839839.7/51

All: 209.557+/-0.022 χ^2/NDF: 23303889.8/95



Right In: -0.066+/-0.060 χ^2/NDF: 17.0/20

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.011+/-0.048 χ^2/NDF: 37.0/26

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

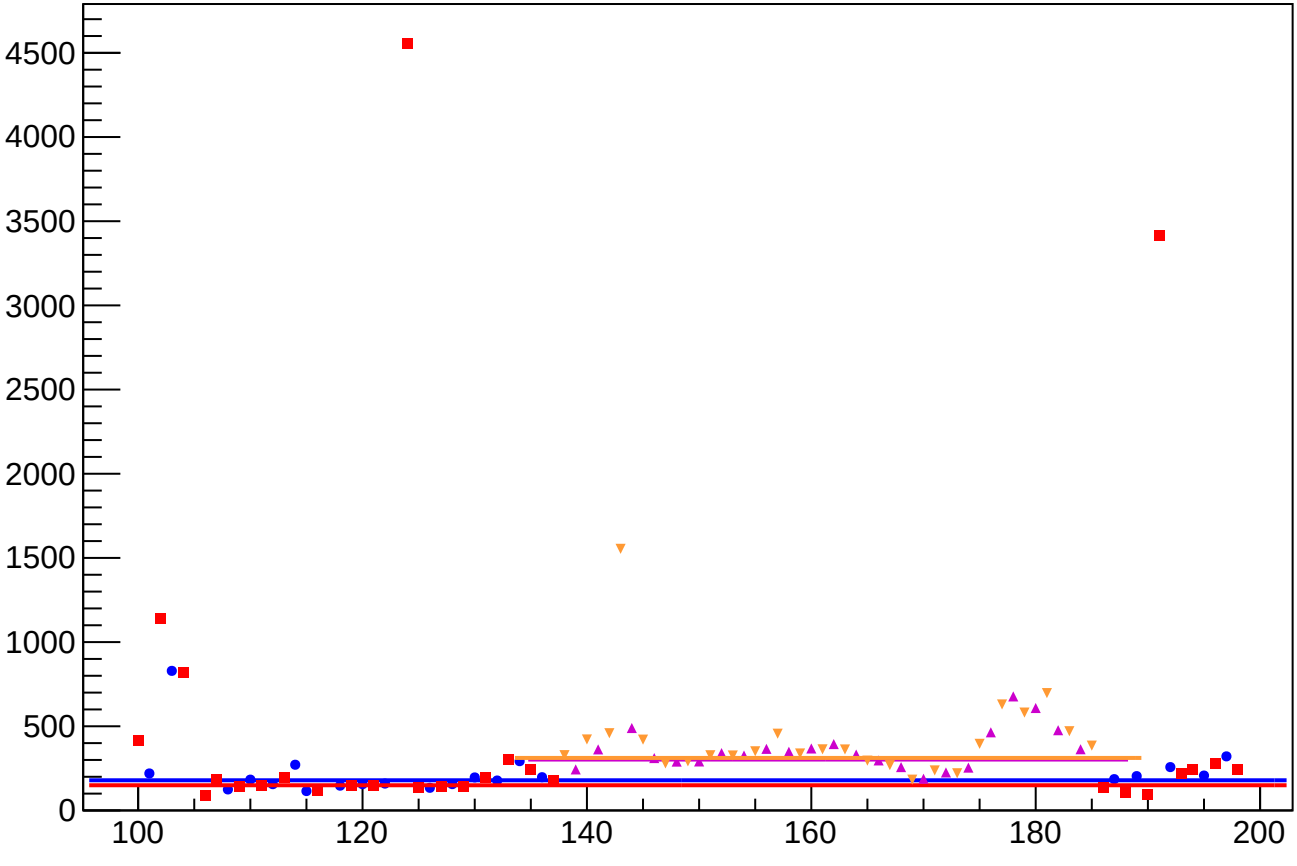
Right: -0.033+/-0.038 χ^2/NDF: 54.5/47

In: -0.067+/-0.047 χ^2/NDF:46.9/43

Out: -0.018+/-0.041 χ^2/NDF:69.6/51

All: -0.039+/-0.031 χ^2/NDF: 117.2/95

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.247+/-0.042 χ^2/NDF: 1851108.4/20

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 149.698+/-0.034 χ^2/NDF: 4089319.0/26

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

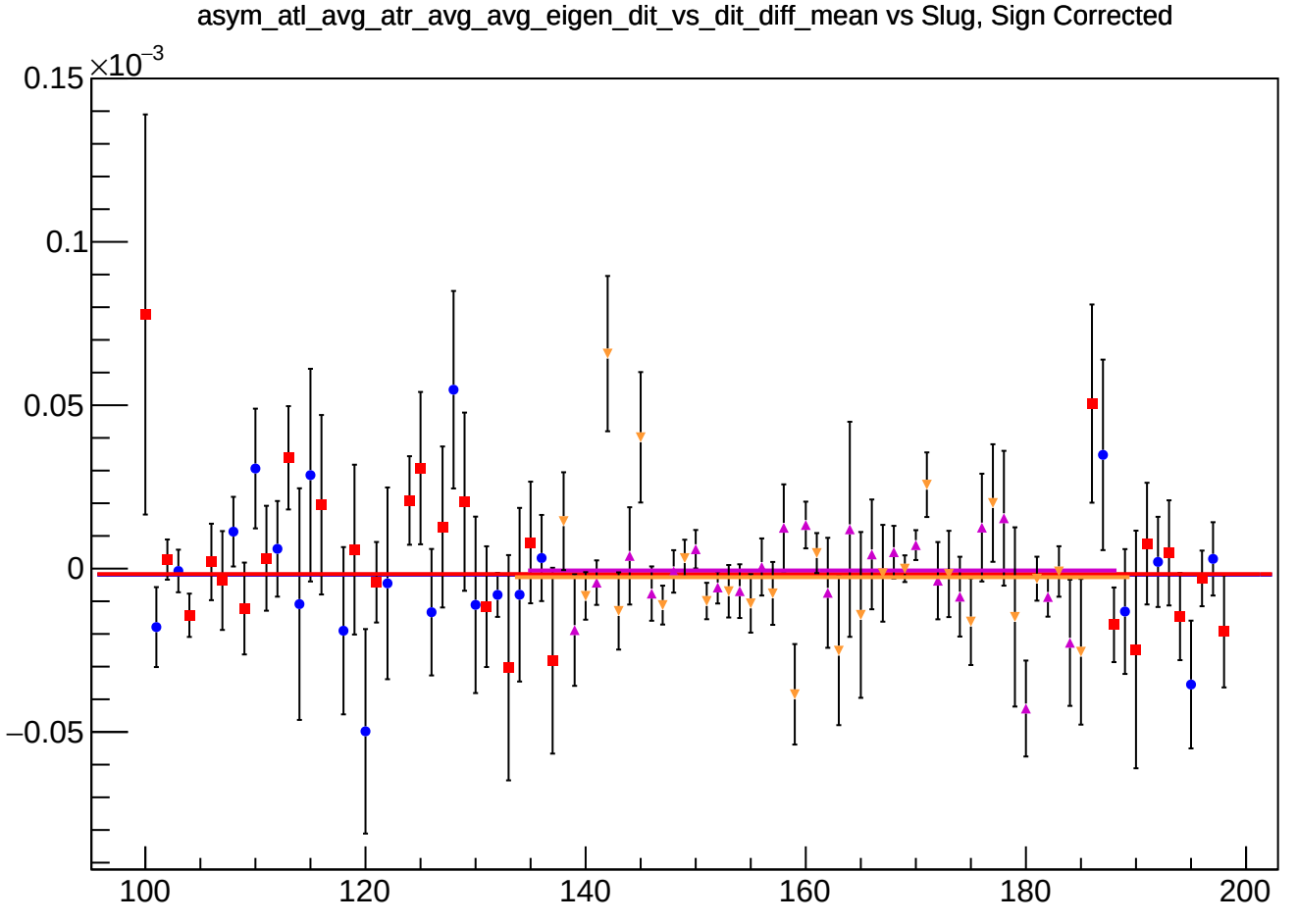
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 161.413+/-0.027 χ^2/NDF: 6235238.4/47

In: 227.174+/-0.033 χ^2/NDF:7961255.5/43

Out: 196.017+/-0.029 χ^2/NDF:14839839.7/51

All: 209.557+/-0.022 χ^2/NDF: 23303889.8/95



Right In: -0.000+/-0.000 χ^2/NDF: 20.6/20

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.8/26

Left In: -0.000+/-0.000 χ^2/NDF:26.9/22

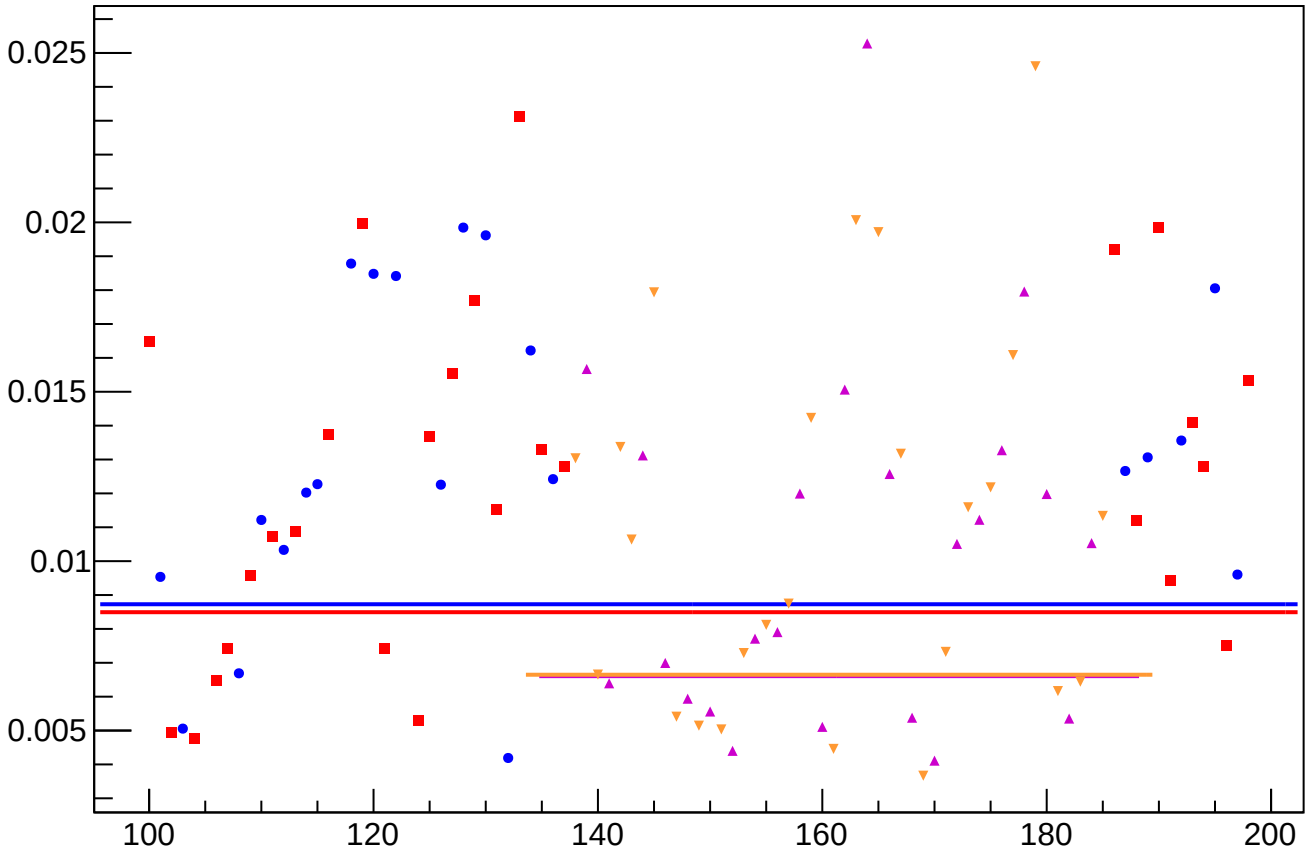
Left: -0.000+/-0.000 χ^2/NDF: 70.0/47

Right: -0.000+/-0.000 χ^2/NDF: 48.5/47

In: -0.000+/-0.000 χ^2/NDF:47.6/43

Out: -0.000+/-0.000 χ^2/NDF:70.4/51

All: -0.000+/-0.000 χ^2/NDF: 118.5/95



Right In: 0.009+/-0.000 χ^2/NDF: 4277520.8/20

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 4521878.5/26

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

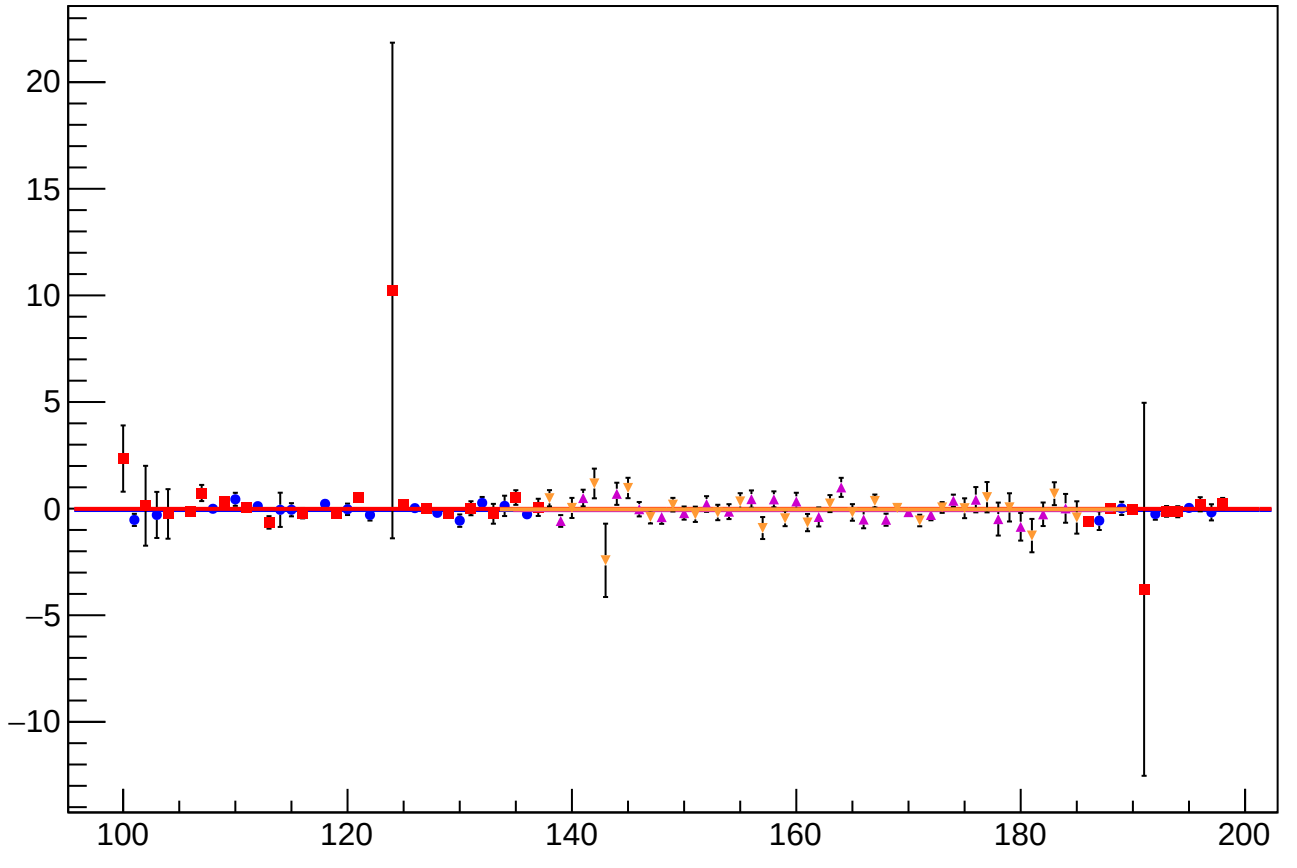
Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

Right: 0.009+/-0.000 χ^2/NDF: 8806063.5/47

In: 0.007+/-0.000 χ^2/NDF:10849940.1/43

Out: 0.007+/-0.000 χ^2/NDF:12708956.4/51

All: 0.007+/-0.000 χ^2/NDF: 23560471.7/95



Right In: -0.066+/-0.060 χ^2/NDF: 17.0/20

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.011+/-0.048 χ^2/NDF: 37.0/26

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

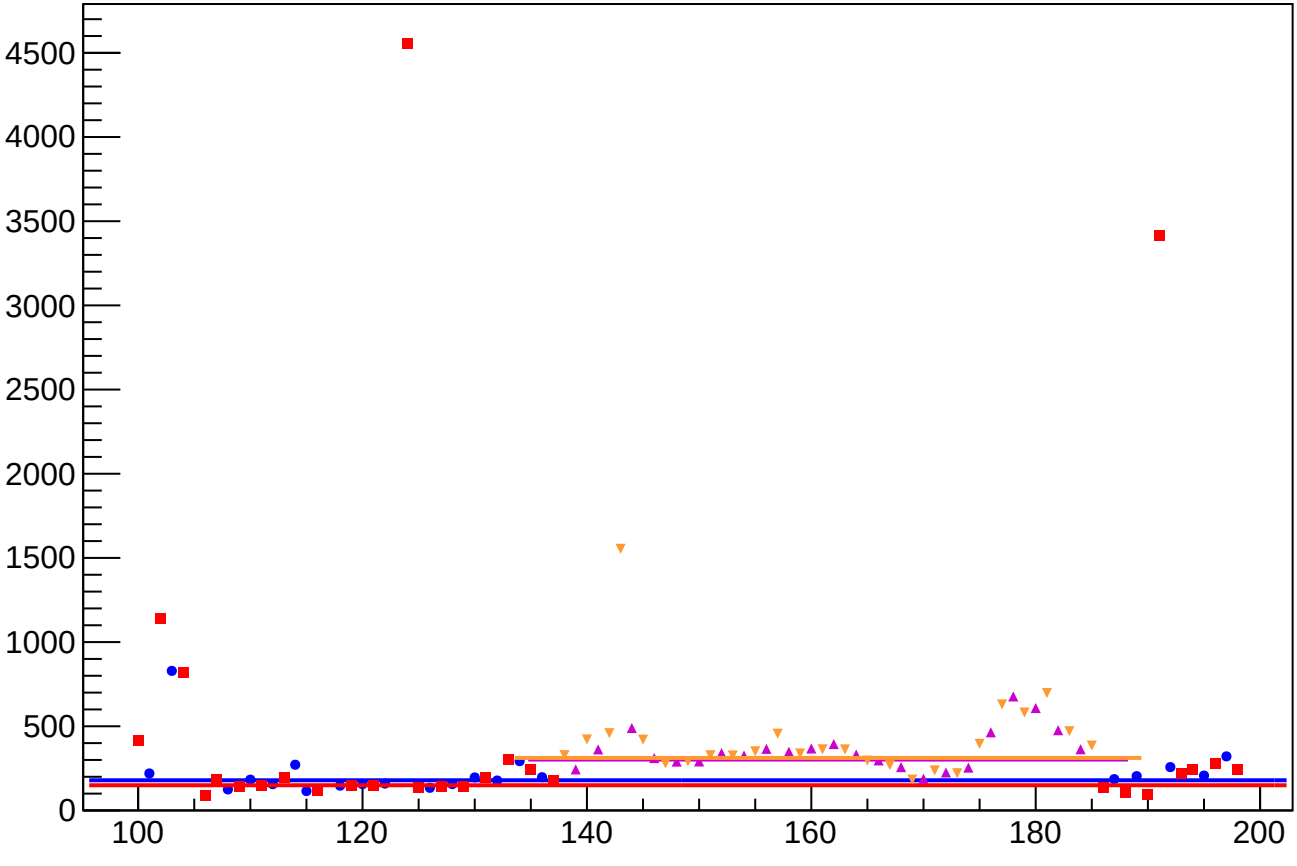
Right: -0.033+/-0.038 χ^2/NDF: 54.5/47

In: -0.067+/-0.047 χ^2/NDF:46.9/43

Out: -0.018+/-0.041 χ^2/NDF:69.6/51

All: -0.039+/-0.031 χ^2/NDF: 117.2/95

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.246+/-0.042 χ^2/NDF: 1851102.1/20

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 149.694+/-0.034 χ^2/NDF: 4089477.0/26

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

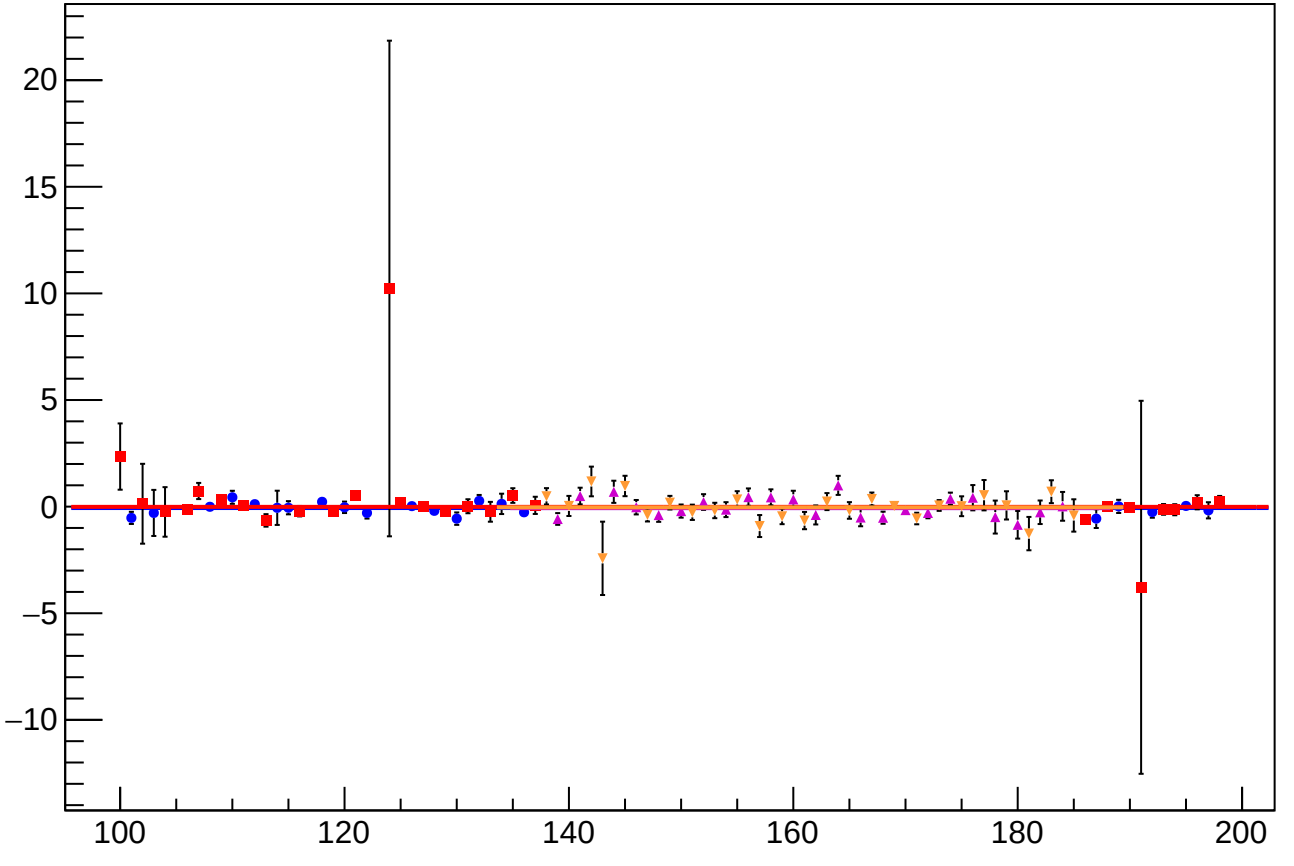
Right: 161.411+/-0.027 χ^2/NDF: 6235454.5/47

In: 227.174+/-0.033 χ^2/NDF:7961474.9/43

Out: 196.013+/-0.029 χ^2/NDF:14840529.1/51

All: 209.554+/-0.022 χ^2/NDF: 23304912.7/95

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.066+/-0.060 χ^2/NDF: 17.0/20

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.011+/-0.048 χ^2/NDF: 37.0/26

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

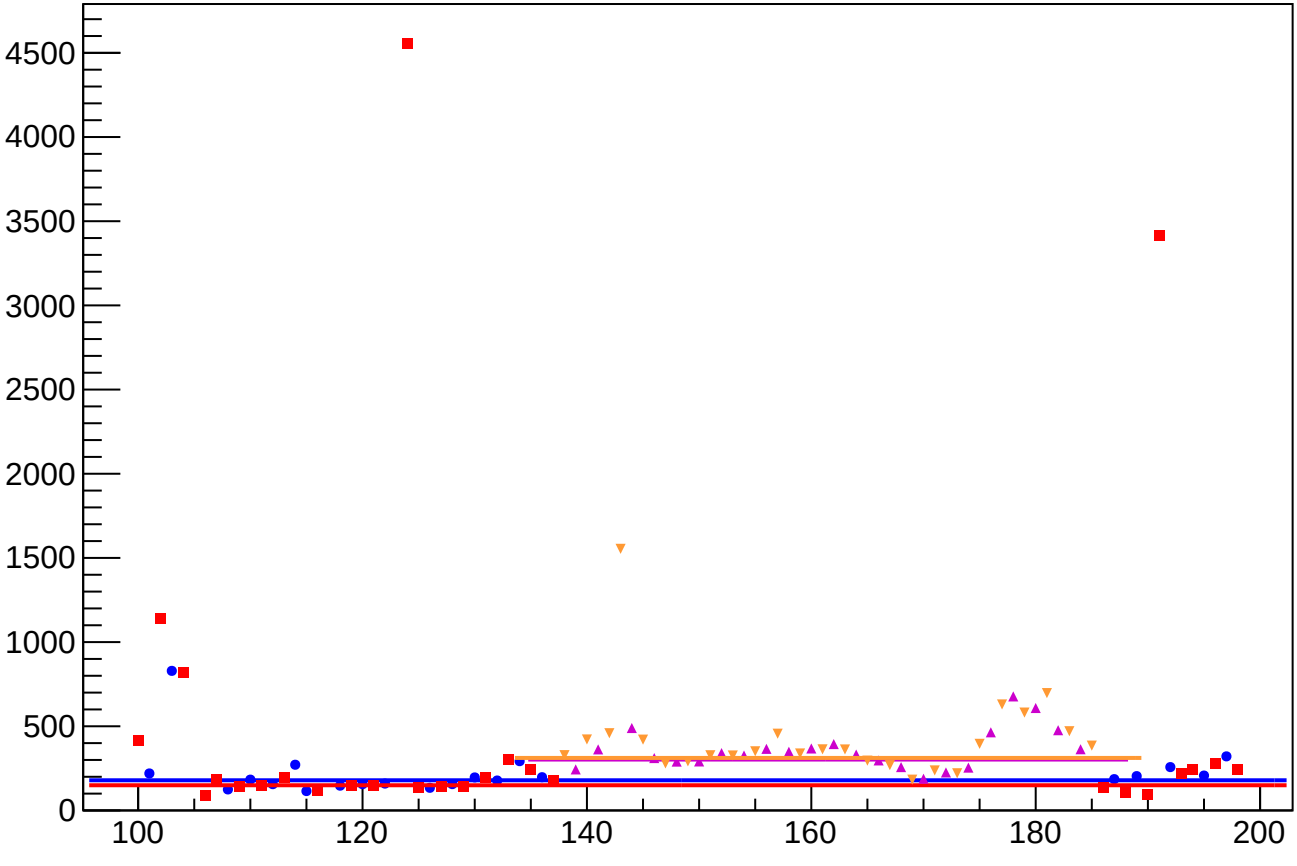
Right: -0.033+/-0.038 χ^2/NDF: 54.5/47

In: -0.067+/-0.047 χ^2/NDF:46.9/43

Out: -0.018+/-0.041 χ^2/NDF:69.6/51

All: -0.039+/-0.031 χ^2/NDF: 117.2/95

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.246+/-0.042 χ^2/NDF: 1851102.1/20

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 149.694+/-0.034 χ^2/NDF: 4089477.0/26

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

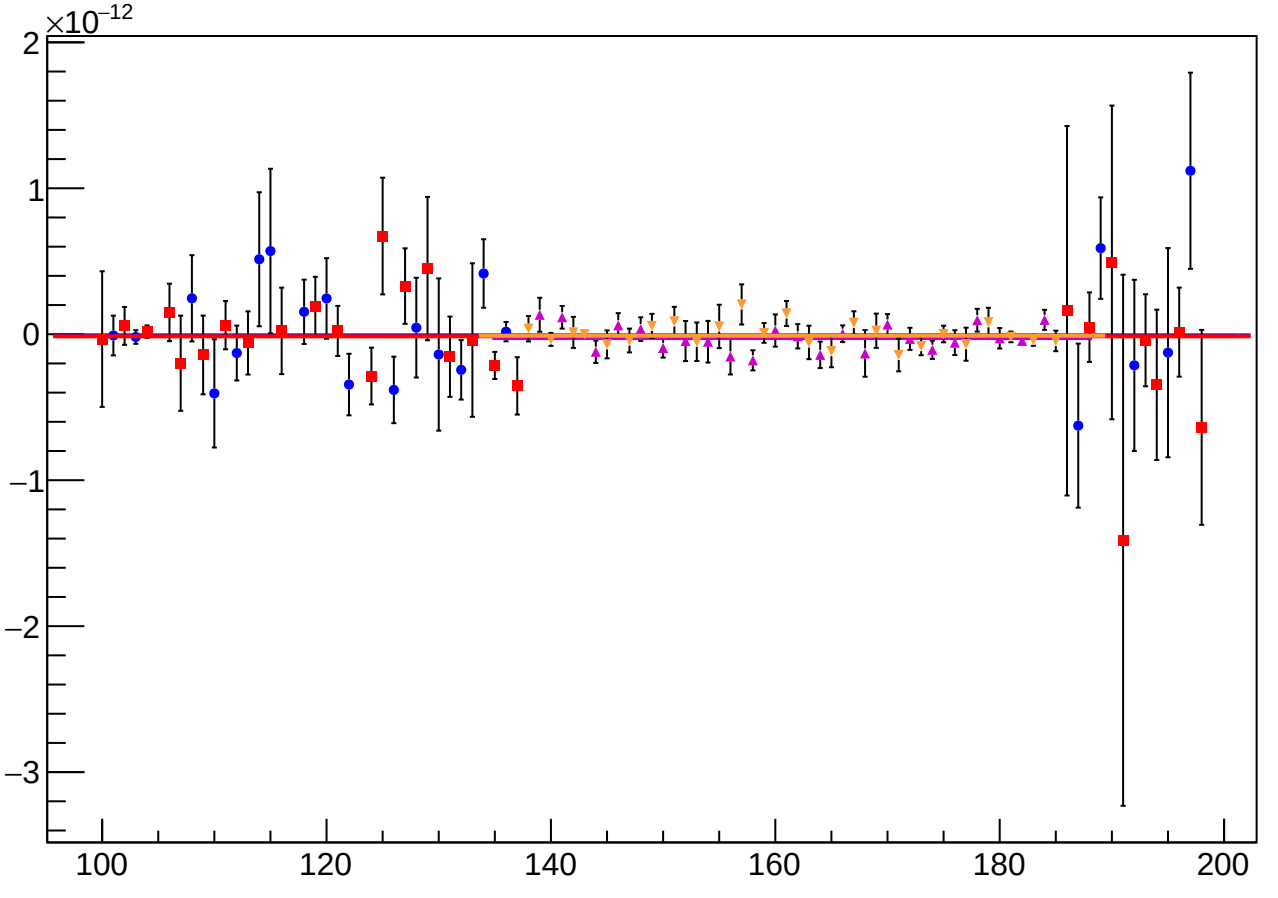
Right: 161.411+/-0.027 χ^2/NDF: 6235454.5/47

In: 227.174+/-0.033 χ^2/NDF:7961474.9/43

Out: 196.013+/-0.029 χ^2/NDF:14840529.1/51

All: 209.554+/-0.022 χ^2/NDF: 23304912.7/95

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: 23.3/20

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/26

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

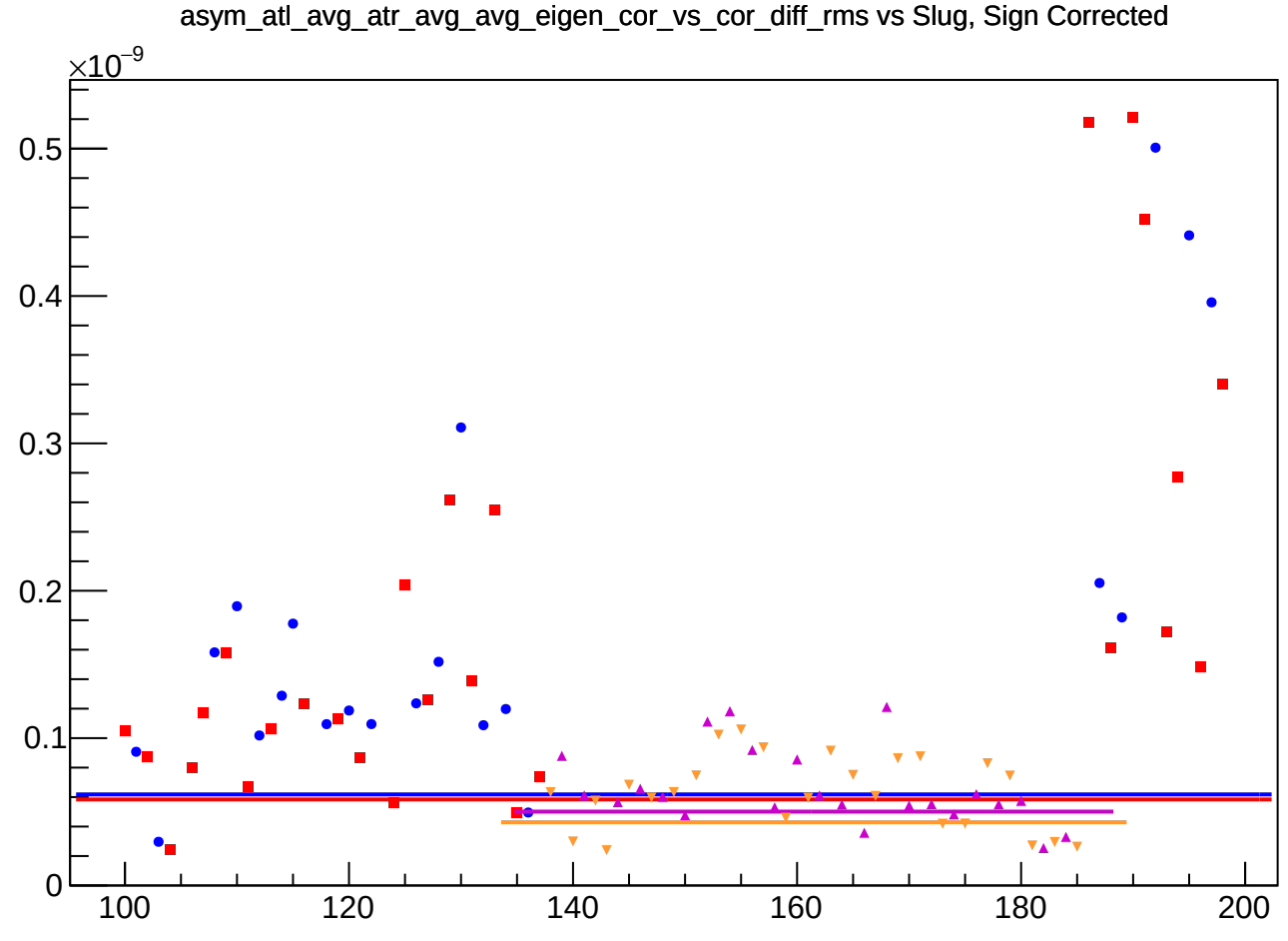
Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

Right: -0.000+/-0.000 χ^2/NDF: 44.4/47

In: -0.000+/-0.000 χ^2/NDF:51.2/43

Out: -0.000+/-0.000 χ^2/NDF:37.3/51

All: -0.000+/-0.000 χ^2/NDF: 88.9/95



Right In: 0.000+/-0.000 χ^2/NDF: 5564312.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5619623.8/26

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

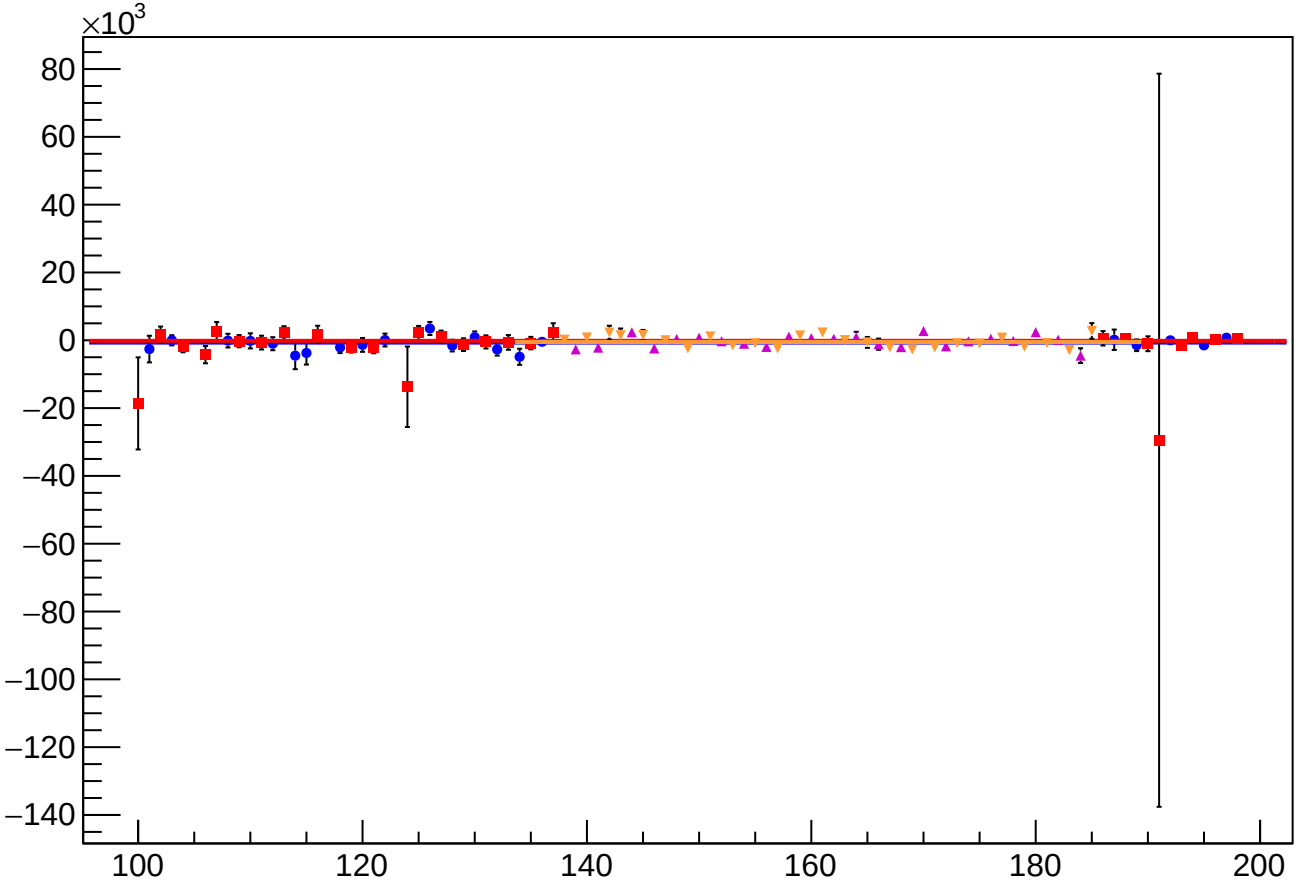
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11195812.9/47

In: 0.000+/-0.000 χ^2/NDF:9386626.8/43

Out: 0.000+/-0.000 χ^2/NDF:11114194.3/51

All: 0.000+/-0.000 χ^2/NDF: 20771413.4/95



Right In: -677.271+/-398.816 χ^2/NDF: 15.4/20

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -161.282+/-371.274 χ^2/NDF: 18.2/26

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

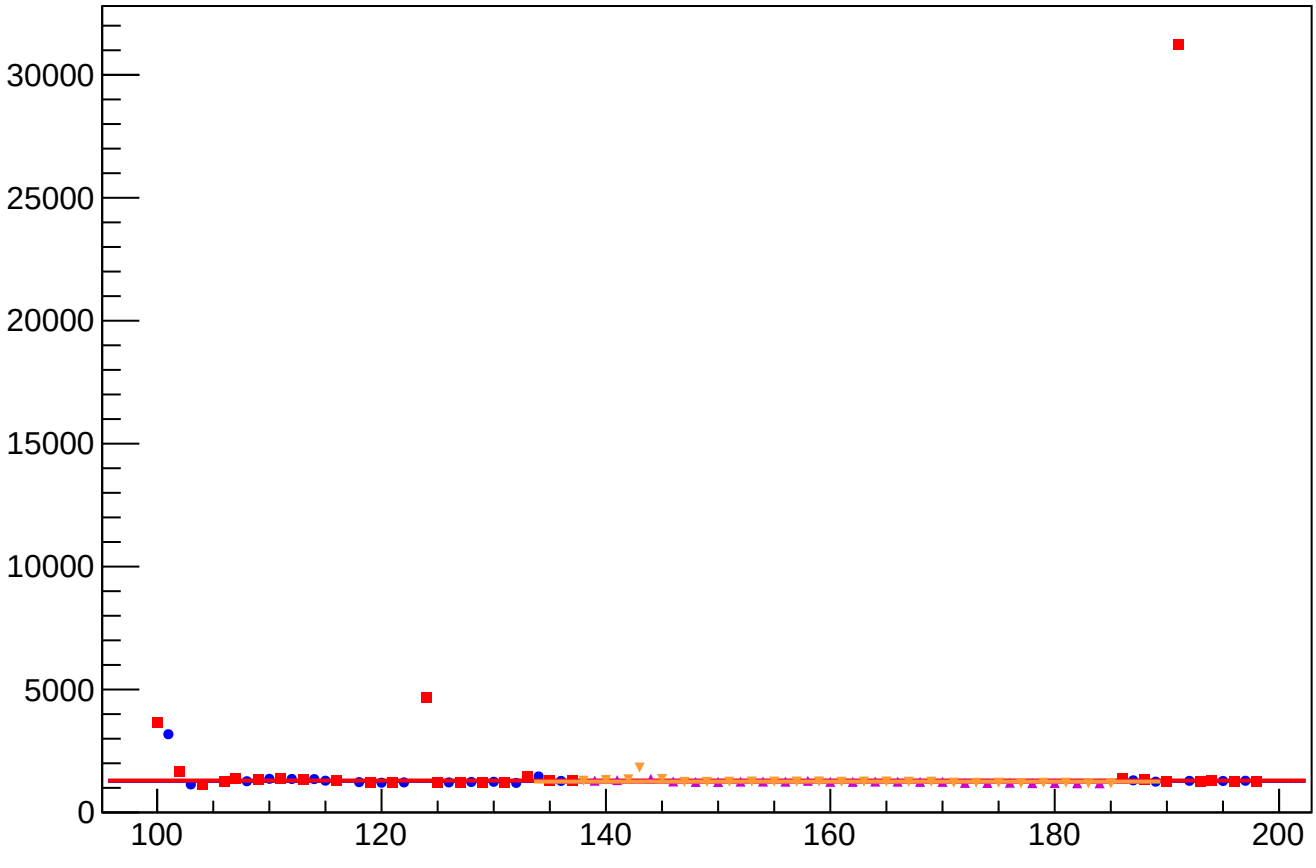
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -400.847+/-271.746 χ^2/NDF: 34.5/47

In: -393.787+/-235.162 χ^2/NDF:48.2/43

Out: -382.981+/-226.544 χ^2/NDF:49.6/51

All: -388.182+/-163.152 χ^2/NDF: 97.9/95



Right In: 1284.434+/-0.282 χ^2/NDF: 518993.6/20

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1296.181+/-0.263 χ^2/NDF: 490057.0/26

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

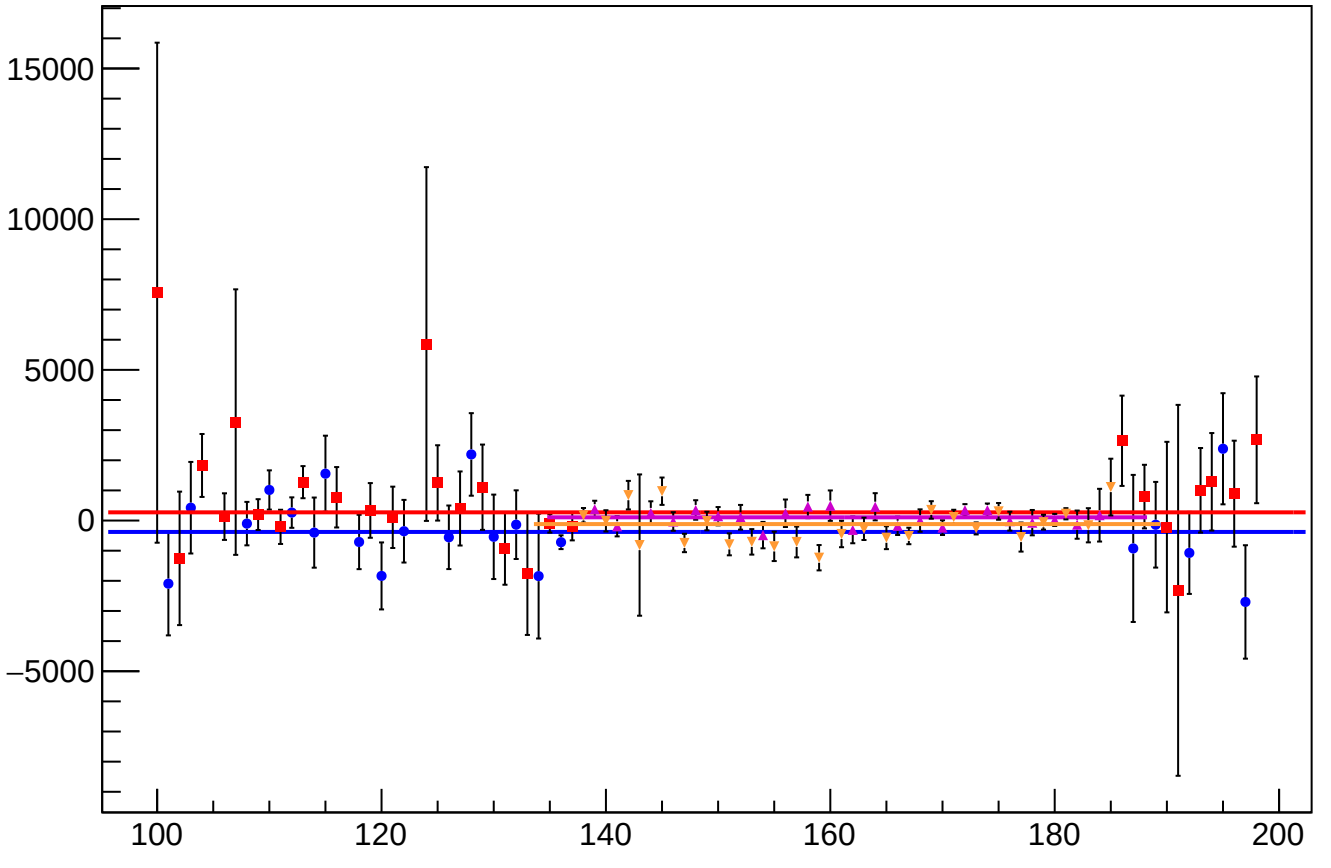
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1290.727+/-0.192 χ^2/NDF: 1009980.3/47

In: 1259.594+/-0.166 χ^2/NDF:570744.4/43

Out: 1270.655+/-0.160 χ^2/NDF:708242.6/51

All: 1265.331+/-0.115 χ^2/NDF: 1281281.8/95



Right In: -377.798+/-164.124 χ^2/NDF: 22.3/20

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 272.421+/-162.841 χ^2/NDF: 20.0/26

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

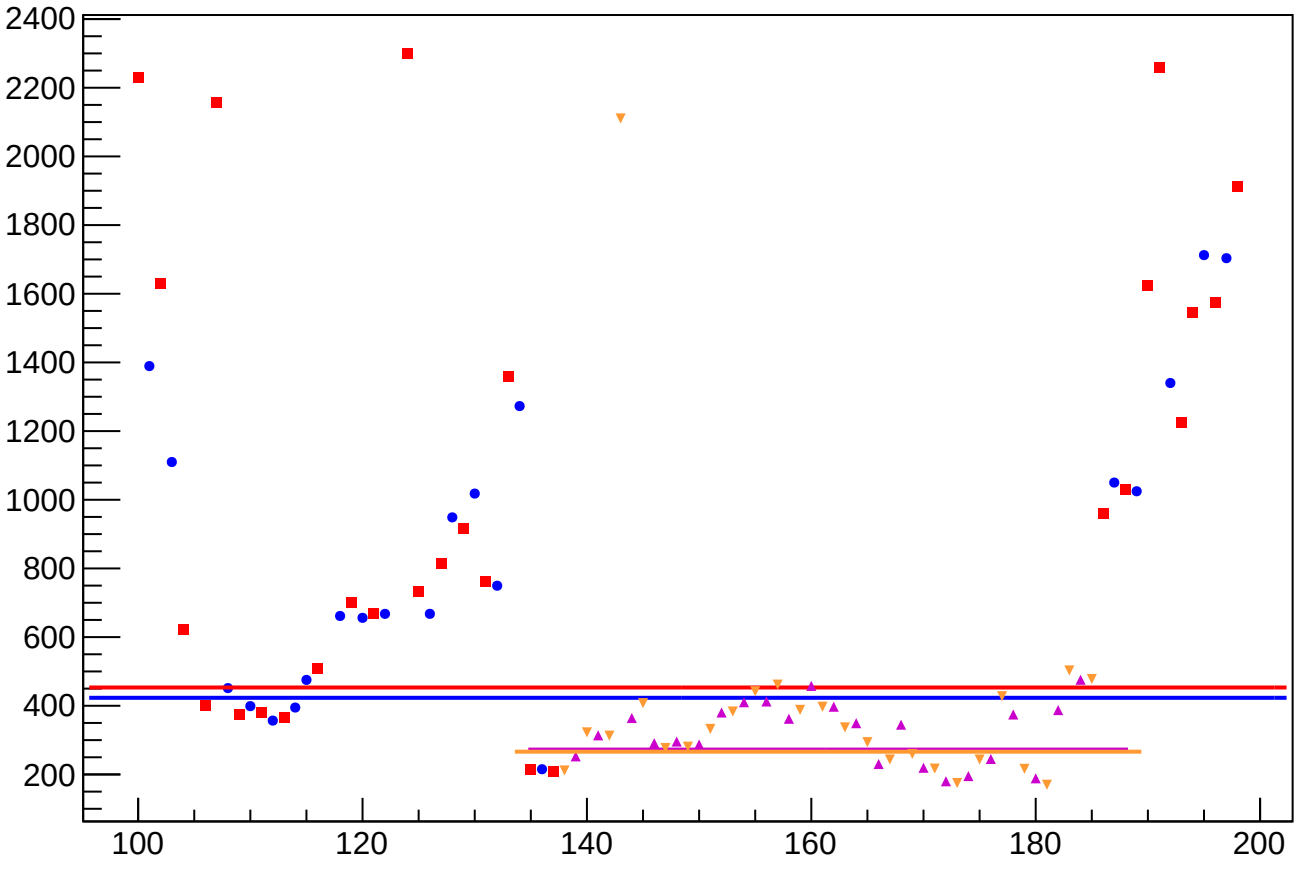
Right: -50.137+/-115.597 χ^2/NDF: 50.1/47

In: 38.040+/-62.031 χ^2/NDF:43.5/43

Out: -63.421+/-60.416 χ^2/NDF:73.3/51

All: -14.029+/-43.280 χ^2/NDF: 118.2/95

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 423.254+/-0.116 χ^2/NDF: 7643446.1/20

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 453.268+/-0.115 χ^2/NDF: 9033080.8/26

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

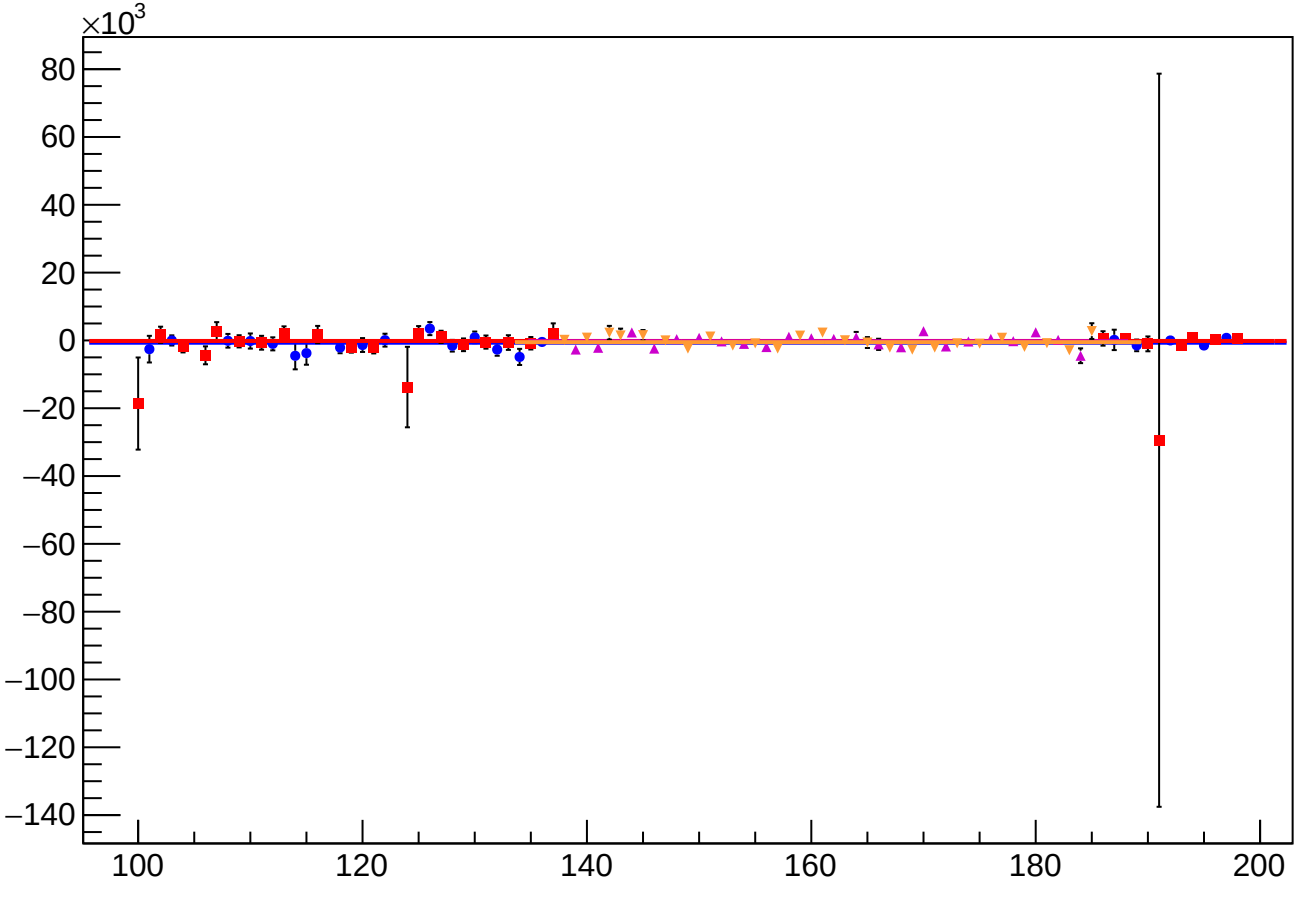
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 438.379+/-0.082 χ^2/NDF: 16710230.9/47

In: 293.922+/-0.044 χ^2/NDF:11980193.1/43

Out: 292.054+/-0.043 χ^2/NDF:15936346.4/51

All: 292.963+/-0.031 χ^2/NDF: 27917470.2/95



Right In: -677.045+/-398.816 χ^2/NDF: 15.4/20

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -159.506+/-371.507 χ^2/NDF: 18.2/26

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

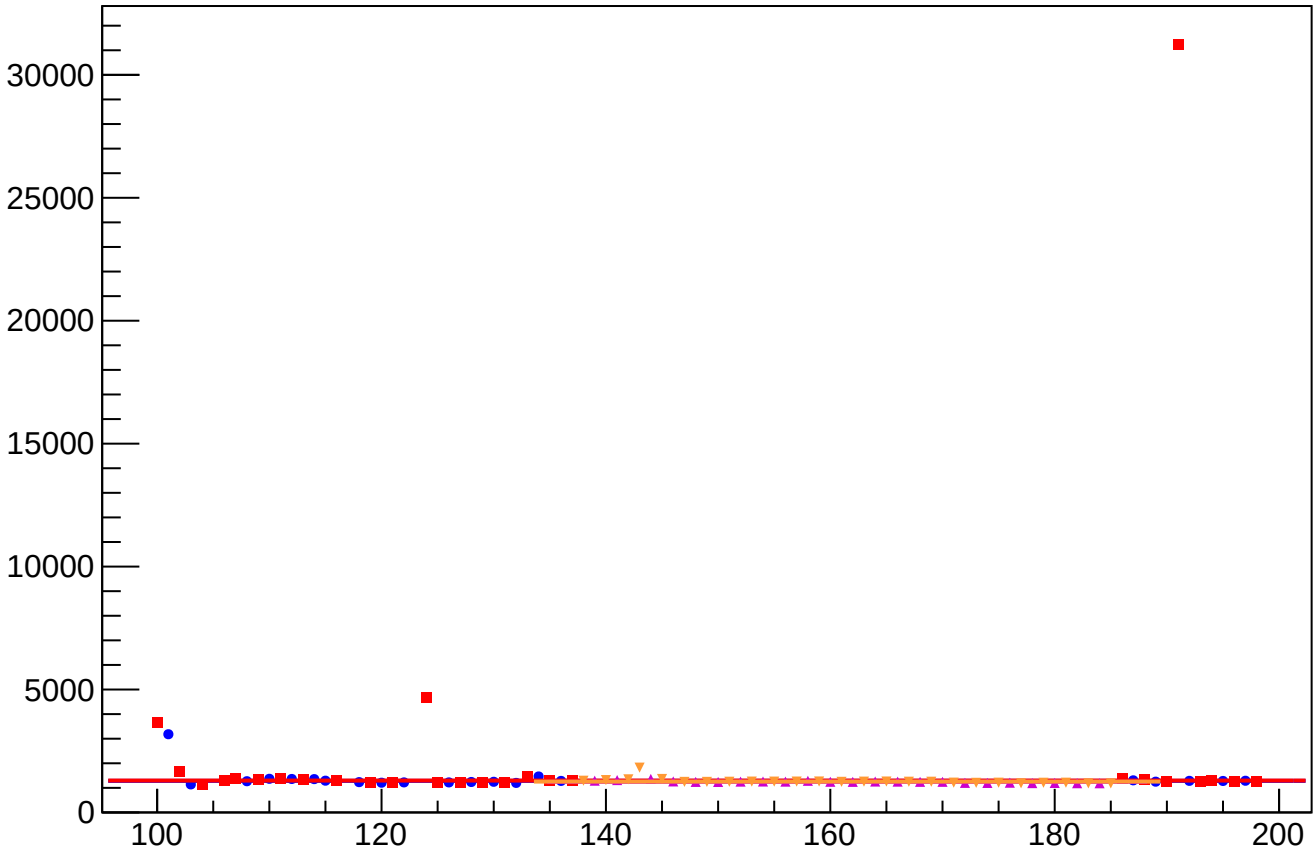
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -399.952+/-271.837 χ^2/NDF: 34.5/47

In: -393.693+/-235.163 χ^2/NDF:48.2/43

Out: -382.389+/-226.596 χ^2/NDF:49.7/51

All: -387.832+/-163.172 χ^2/NDF: 97.9/95



Right In: 1284.434+/-0.282 χ^2/NDF: 518995.1/20

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1297.028+/-0.263 χ^2/NDF: 489730.4/26

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

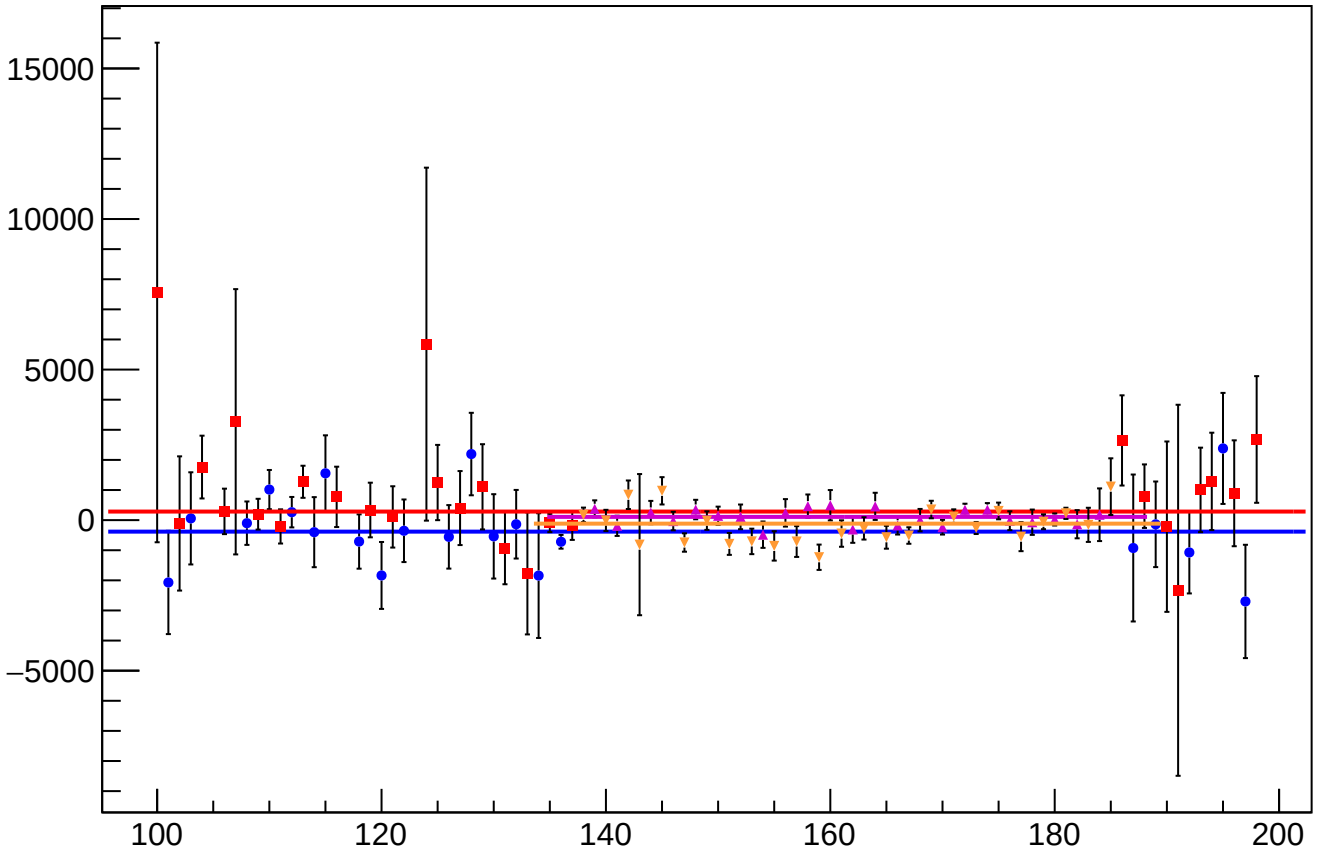
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1291.177+/-0.192 χ^2/NDF: 1009793.3/47

In: 1259.594+/-0.166 χ^2/NDF:570745.7/43

Out: 1270.958+/-0.160 χ^2/NDF:708537.5/51

All: 1265.487+/-0.115 χ^2/NDF: 1281705.0/95



Right In: -382.034+/-164.142 χ^2/NDF: 22.0/20

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 284.416+/-162.665 χ^2/NDF: 19.3/26

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

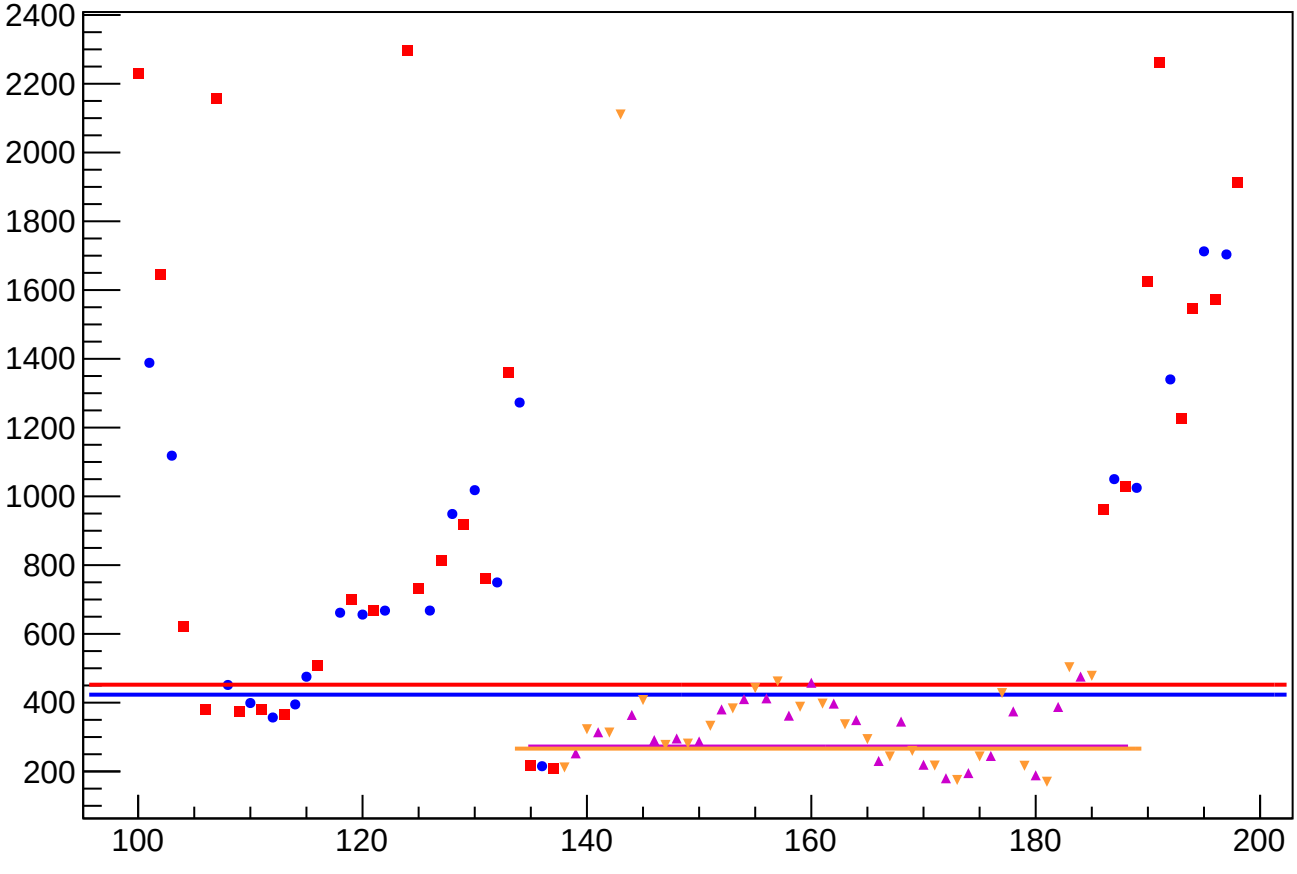
Right: -45.798+/-115.540 χ^2/NDF: 49.6/47

In: 37.546+/-62.033 χ^2/NDF:43.4/43

Out: -61.643+/-60.408 χ^2/NDF:73.0/51

All: -13.365+/-43.278 χ^2/NDF: 117.7/95

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 423.256+/-0.116 χ^2/NDF: 7646616.4/20

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 452.251+/-0.115 χ^2/NDF: 9048649.2/26

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

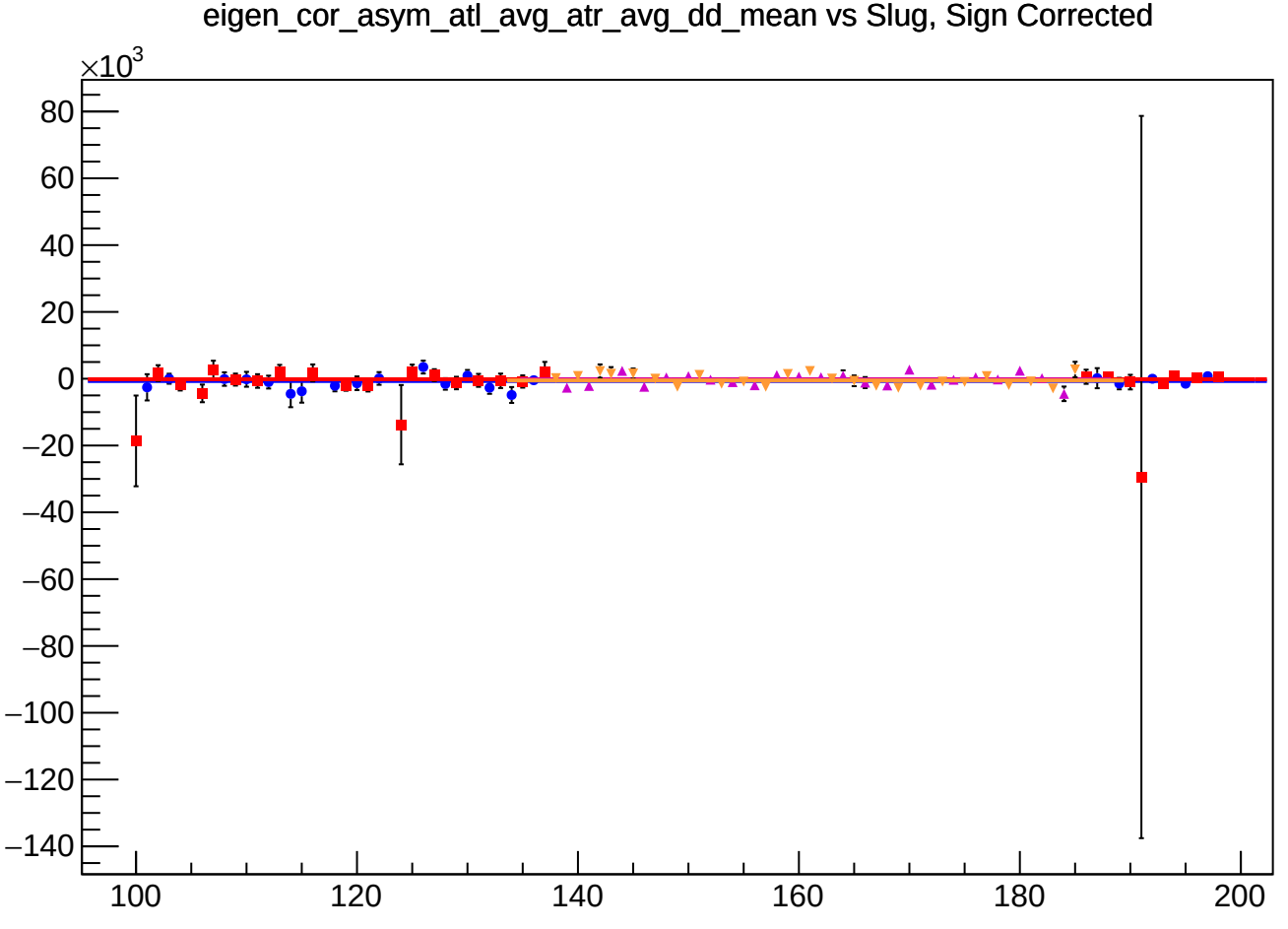
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 437.884+/-0.082 χ^2/NDF: 16726749.8/47

In: 293.927+/-0.044 χ^2/NDF:11982699.9/43

Out: 291.967+/-0.043 χ^2/NDF:15931316.9/51

All: 292.921+/-0.031 χ^2/NDF: 27915041.8/95



Right In: -677.045+/-398.816 χ^2/NDF: 15.4/20

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -159.506+/-371.507 χ^2/NDF: 18.2/26

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

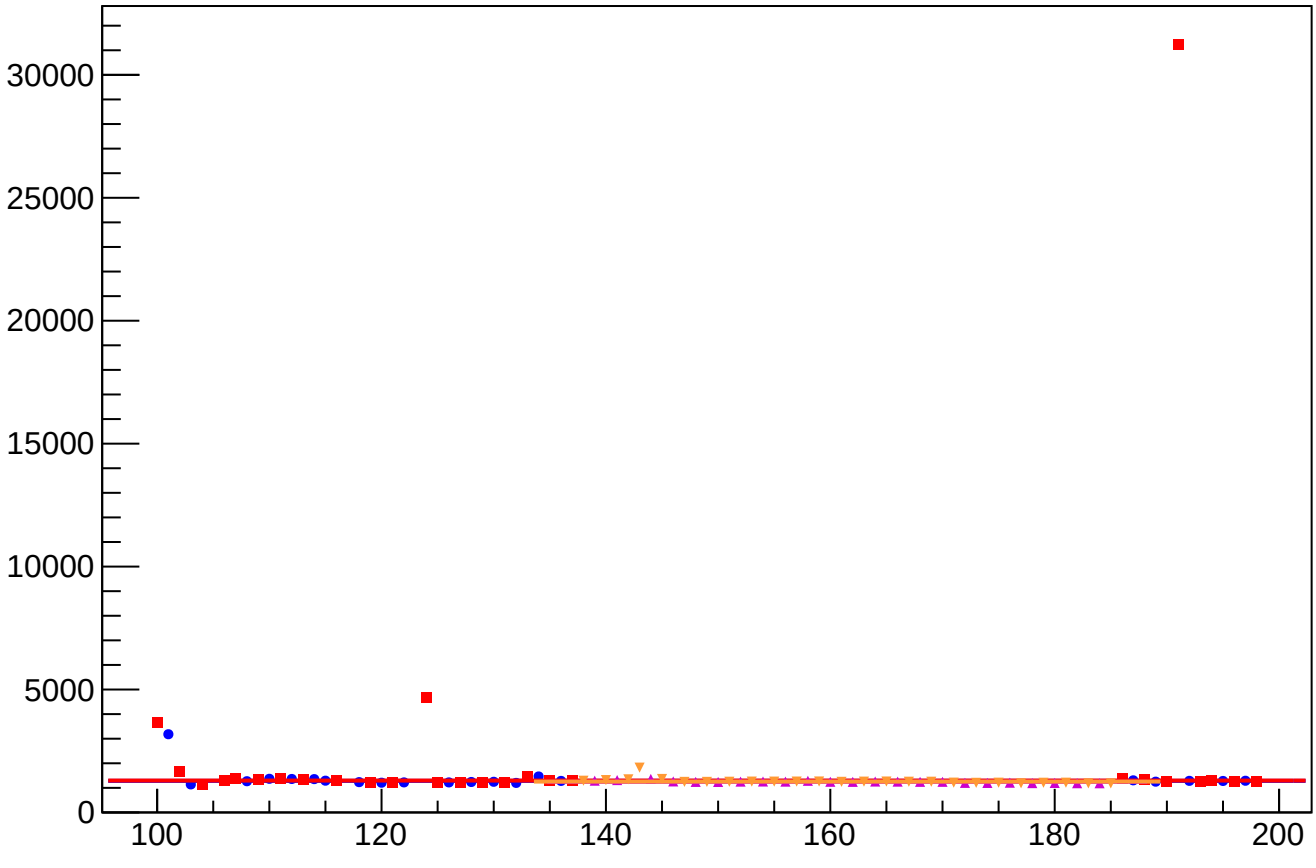
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -399.952+/-271.837 χ^2/NDF: 34.5/47

In: -393.693+/-235.163 χ^2/NDF:48.2/43

Out: -382.389+/-226.596 χ^2/NDF:49.7/51

All: -387.832+/-163.172 χ^2/NDF: 97.9/95



Right In: 1284.434+/-0.282 χ^2/NDF: 518995.1/20

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1297.028+/-0.263 χ^2/NDF: 489730.4/26

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

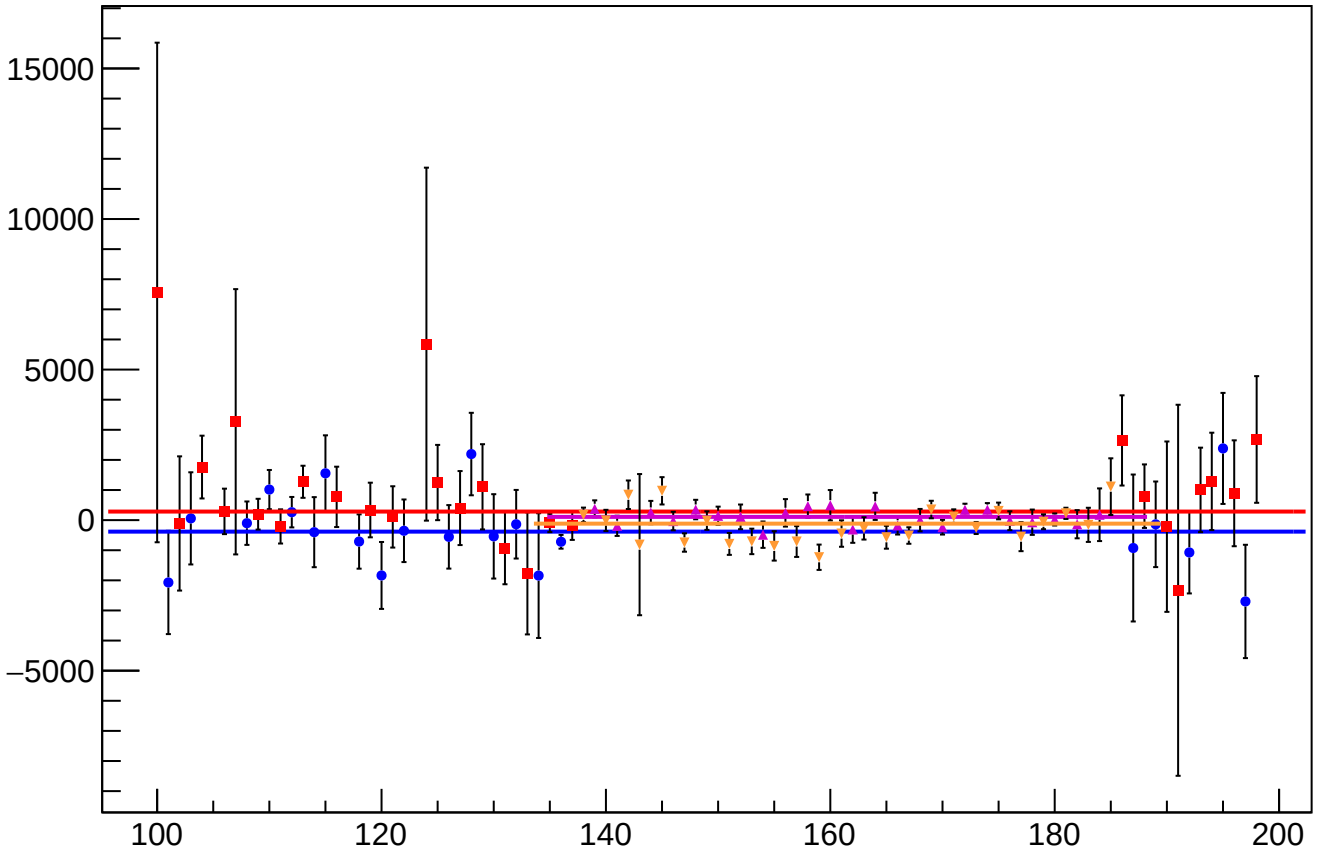
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1291.177+/-0.192 χ^2/NDF: 1009793.3/47

In: 1259.594+/-0.166 χ^2/NDF:570745.7/43

Out: 1270.958+/-0.160 χ^2/NDF:708537.5/51

All: 1265.487+/-0.115 χ^2/NDF: 1281705.0/95



Right In: -382.034+/-164.142 χ^2/NDF: 22.0/20

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 284.416+/-162.665 χ^2/NDF: 19.3/26

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

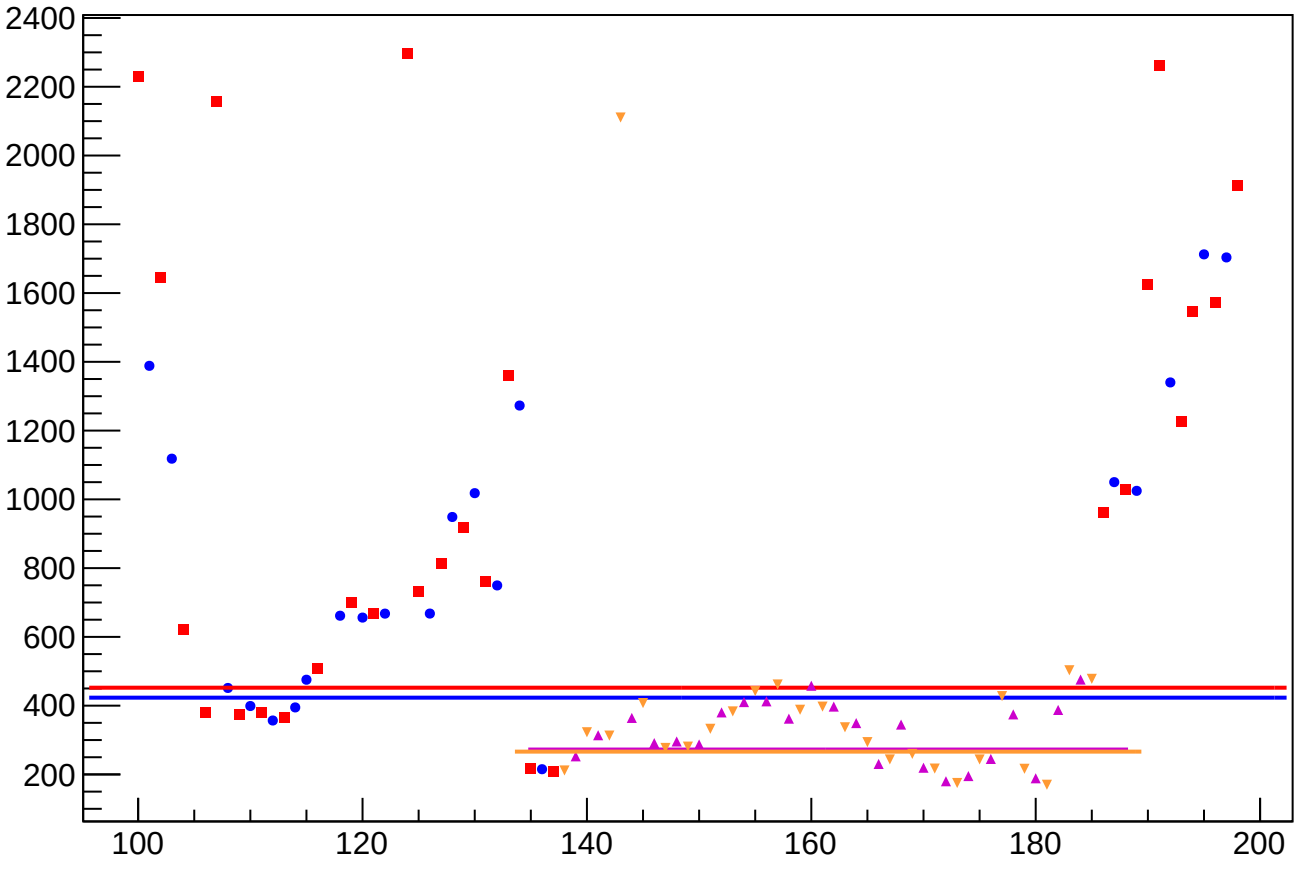
Right: -45.798+/-115.540 χ^2/NDF: 49.6/47

In: 37.546+/-62.033 χ^2/NDF:43.4/43

Out: -61.643+/-60.408 χ^2/NDF:73.0/51

All: -13.365+/-43.278 χ^2/NDF: 117.7/95

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 423.256+/-0.116 χ^2/NDF: 7646616.4/20

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 452.251+/-0.115 χ^2/NDF: 9048649.2/26

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

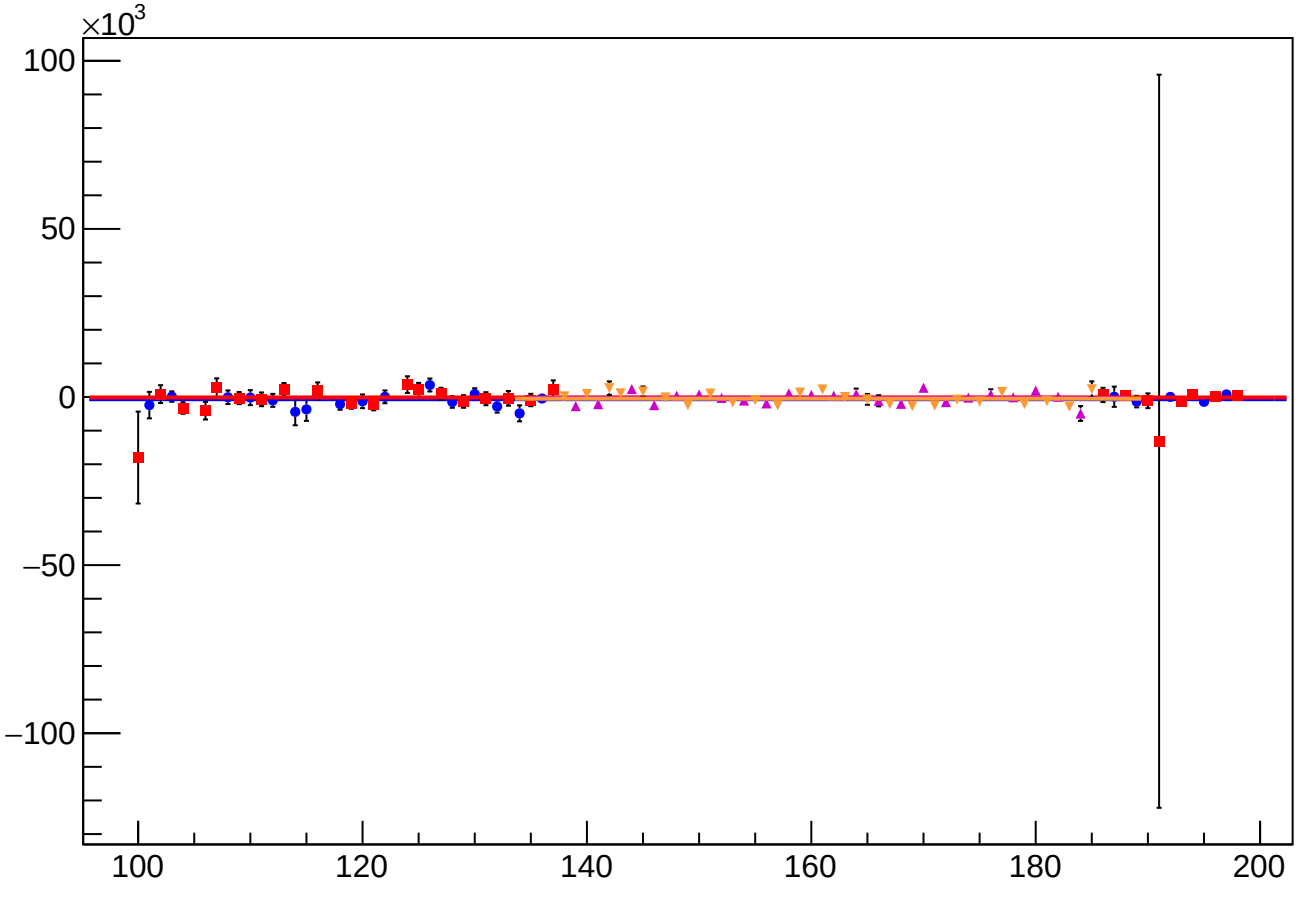
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 437.884+/-0.082 χ^2/NDF: 16726749.8/47

In: 293.927+/-0.044 χ^2/NDF:11982699.9/43

Out: 291.967+/-0.043 χ^2/NDF:15931316.9/51

All: 292.921+/-0.031 χ^2/NDF: 27915041.8/95



Right In: -643.797+/-400.384 χ^2/NDF: 15.5/20

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -130.149+/-370.156 χ^2/NDF: 20.1/26

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

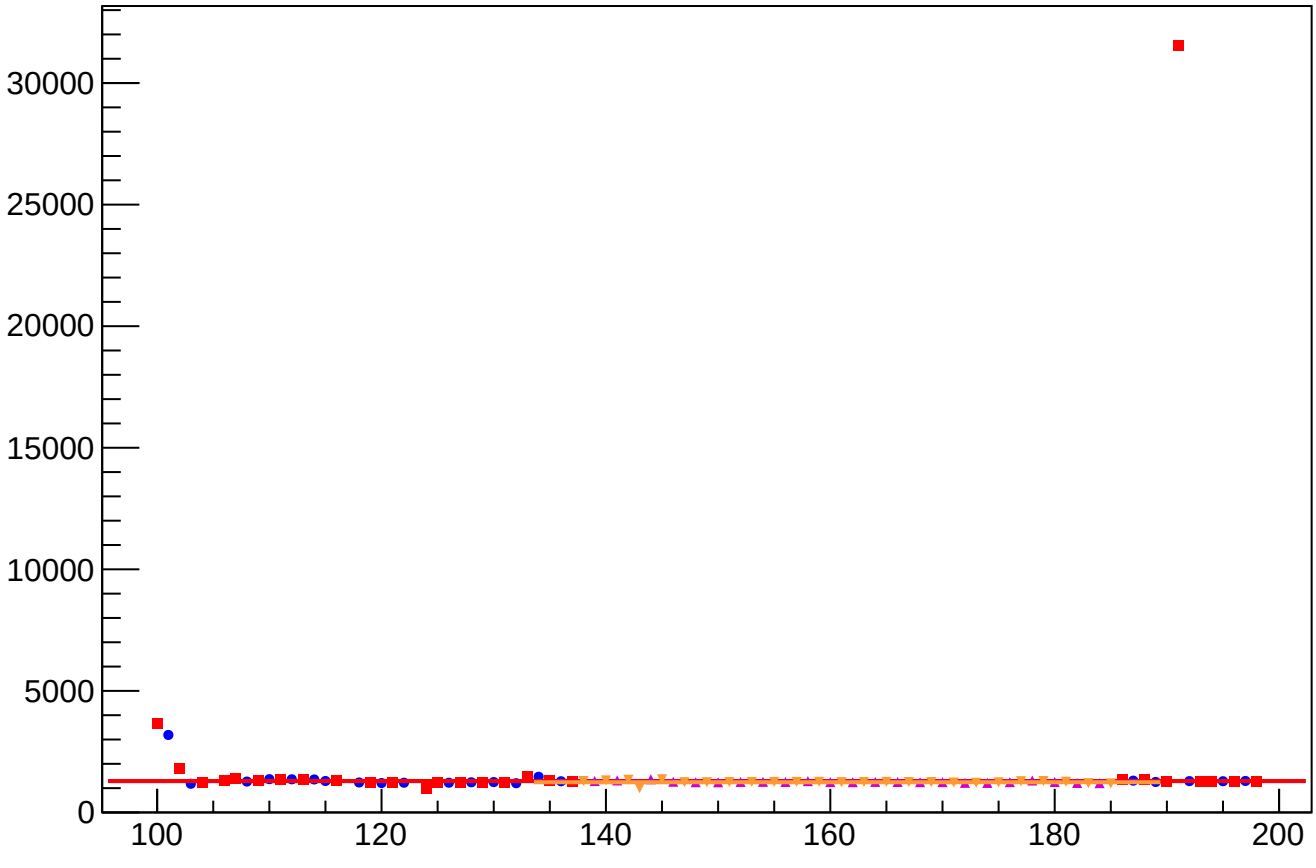
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -366.853+/-271.799 χ^2/NDF: 36.5/47

In: -382.966+/-237.152 χ^2/NDF:46.8/43

Out: -359.579+/-224.687 χ^2/NDF:55.0/51

All: -370.642+/-163.107 χ^2/NDF: 101.8/95



Right In: 1289.662+/-0.283 χ^2/NDF: 510429.5/20

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1292.586+/-0.262 χ^2/NDF: 372231.4/26

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

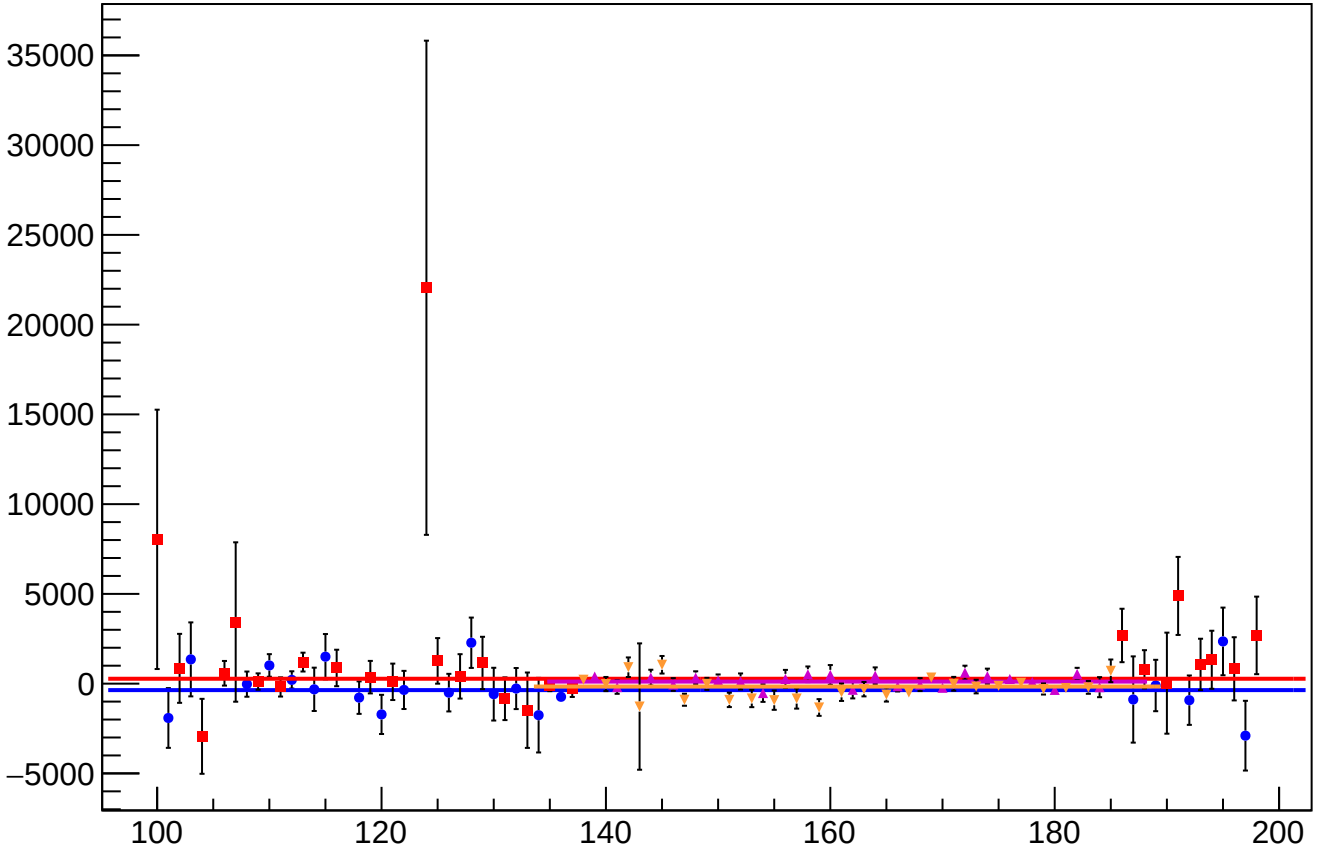
Right: 1291.239+/-0.192 χ^2/NDF: 882718.4/47

In: 1270.467+/-0.168 χ^2/NDF:545442.7/43

Out: 1260.980+/-0.159 χ^2/NDF:525344.1/51

All: 1265.468+/-0.115 χ^2/NDF: 1072473.7/95

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -360.180+/-165.861 χ^2/NDF: 22.5/20

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 272.734+/-162.612 χ^2/NDF: 25.8/26

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

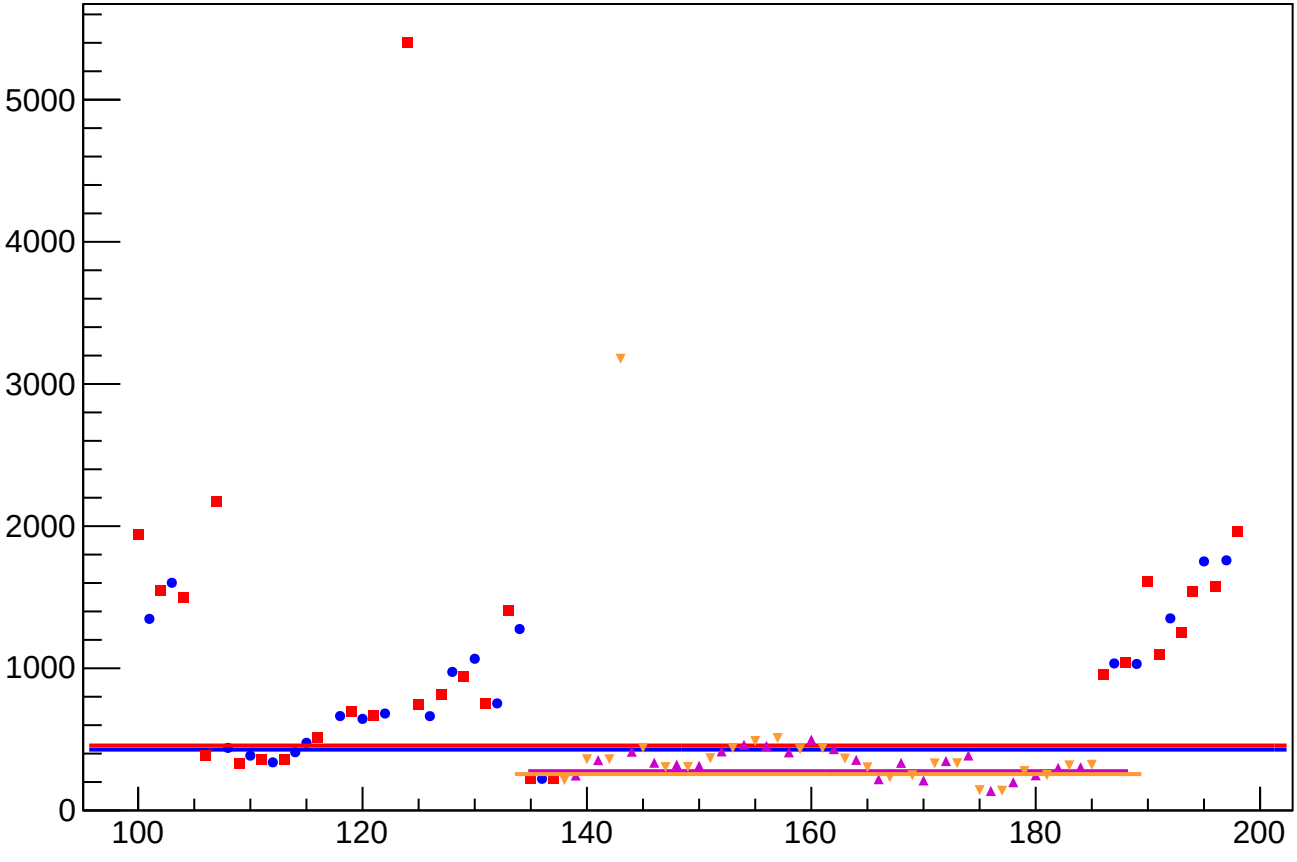
Right: -37.464+/-116.116 χ^2/NDF: 55.7/47

In: 44.081+/-63.582 χ^2/NDF:47.6/43

Out: -102.556+/-59.660 χ^2/NDF:75.7/51

All: -33.898+/-43.506 χ^2/NDF: 126.1/95

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 427.945+/-0.117 χ^2/NDF: 7778236.2/20

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 456.865+/-0.115 χ^2/NDF: 9557914.2/26

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

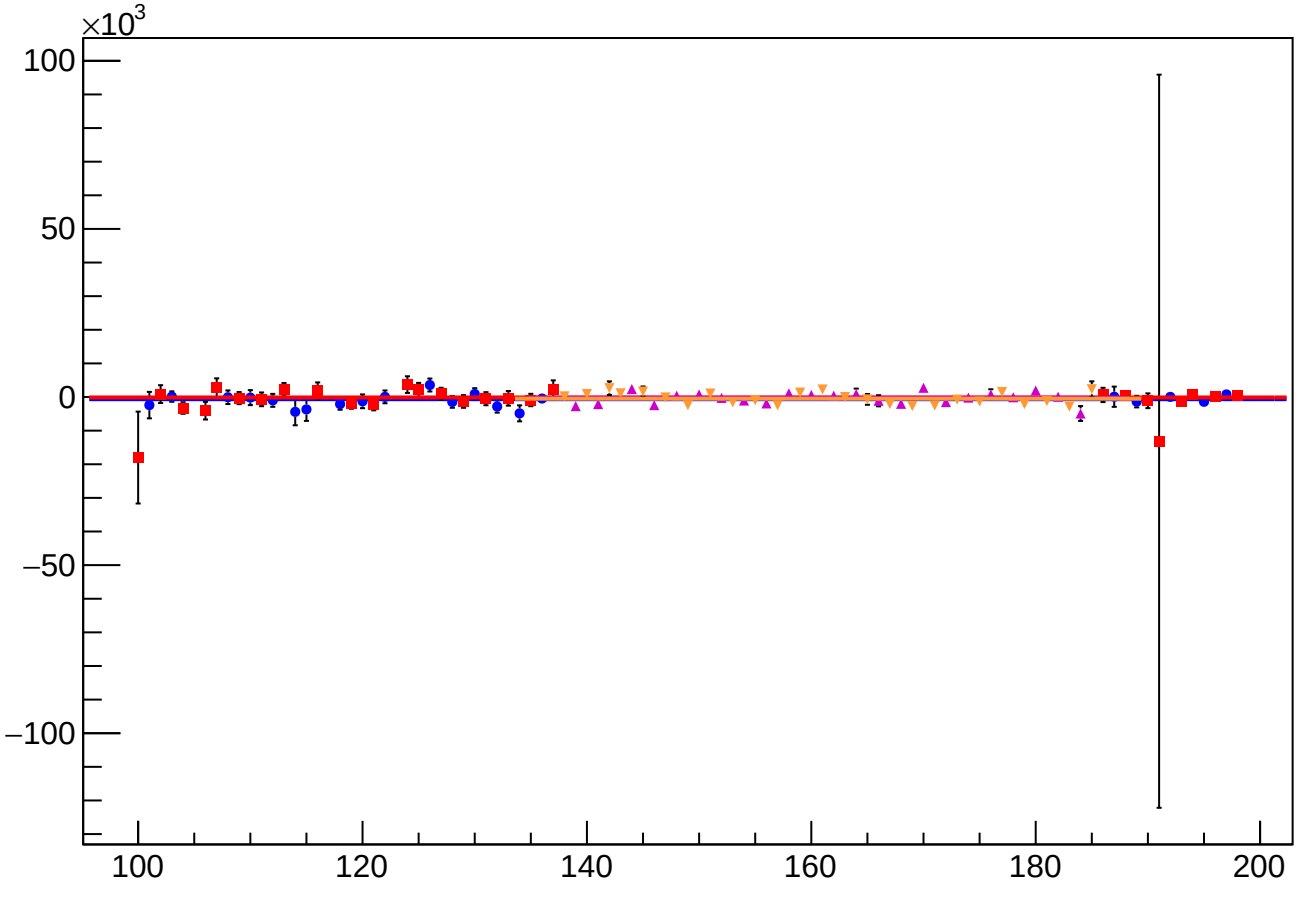
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 442.691+/-0.082 χ^2/NDF: 17367153.4/47

In: 298.583+/-0.045 χ^2/NDF:13231854.1/43

Out: 282.837+/-0.042 χ^2/NDF:18578805.2/51

All: 290.210+/-0.031 χ^2/NDF: 31875888.9/95



Right In: -643.798+/-400.384 χ^2/NDF: 15.5/20

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -130.148+/-370.155 χ^2/NDF: 20.1/26

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

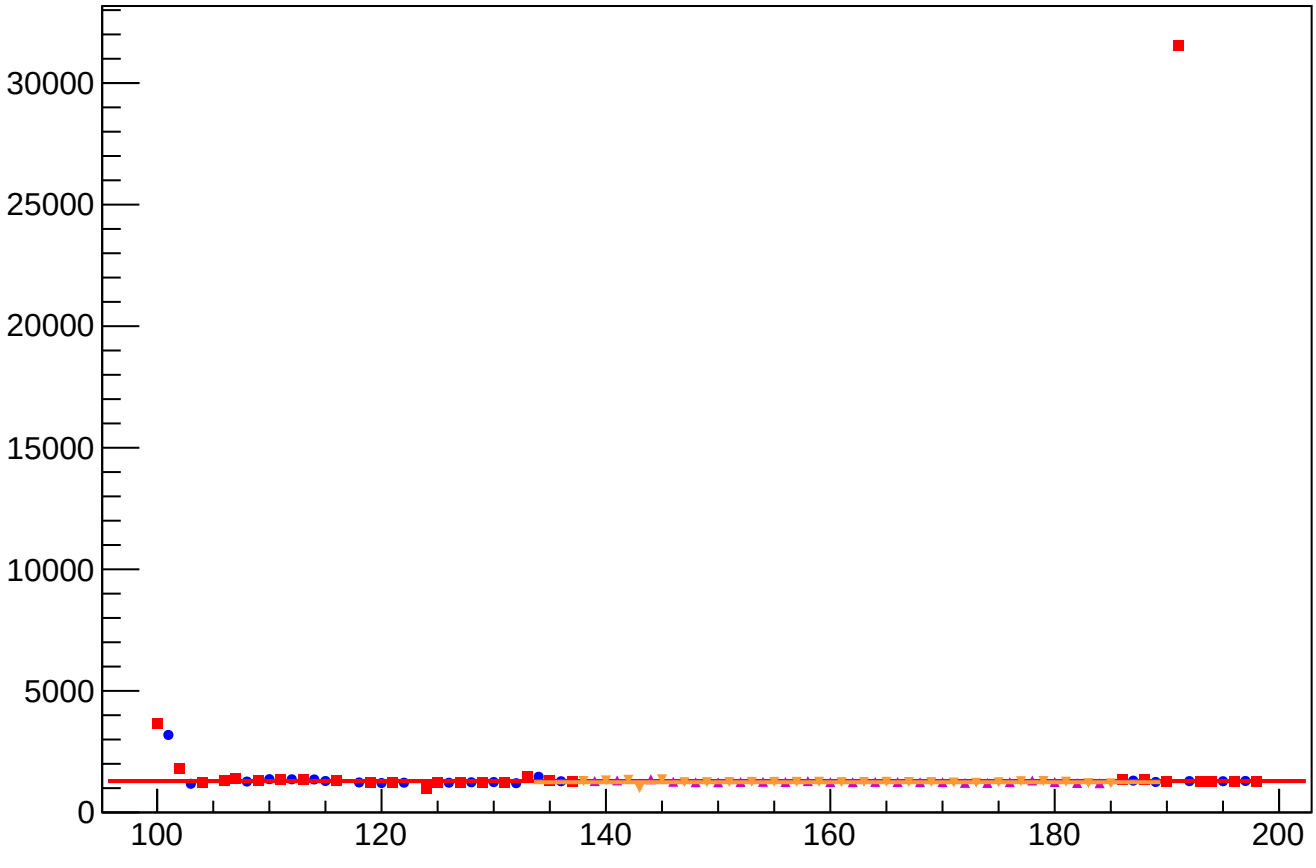
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -366.853+/-271.799 χ^2/NDF: 36.5/47

In: -382.966+/-237.152 χ^2/NDF:46.8/43

Out: -359.579+/-224.687 χ^2/NDF:55.0/51

All: -370.642+/-163.107 χ^2/NDF: 101.8/95



Right In: 1289.662+/-0.283 χ^2/NDF: 510429.5/20

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1292.586+/-0.262 χ^2/NDF: 372231.6/26

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

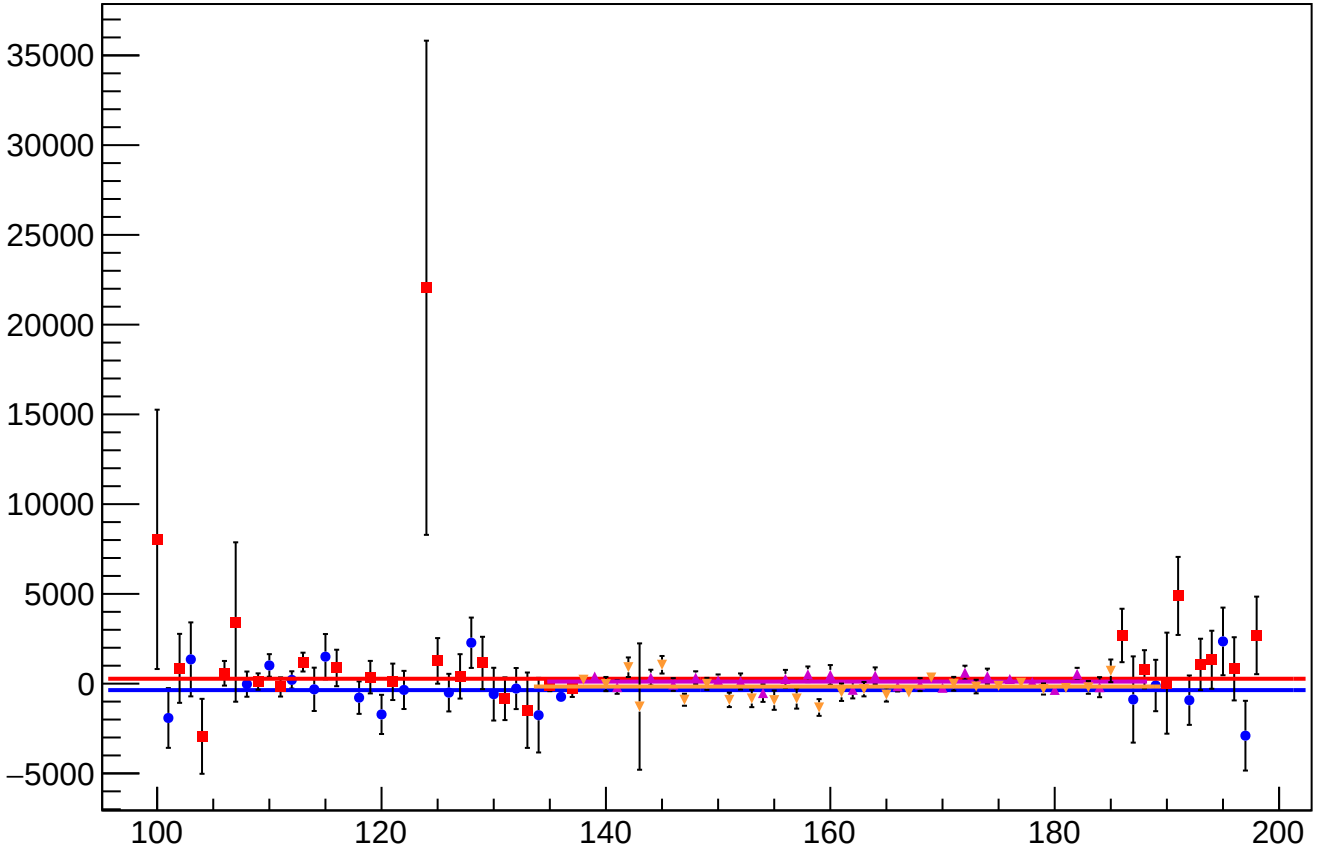
Right: 1291.239+/-0.192 χ^2/NDF: 882718.7/47

In: 1270.467+/-0.168 χ^2/NDF:545442.7/43

Out: 1260.980+/-0.159 χ^2/NDF:525343.5/51

All: 1265.468+/-0.115 χ^2/NDF: 1072473.1/95

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -360.181+/-165.864 χ^2/NDF: 22.5/20

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 272.742+/-162.614 χ^2/NDF: 25.8/26

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

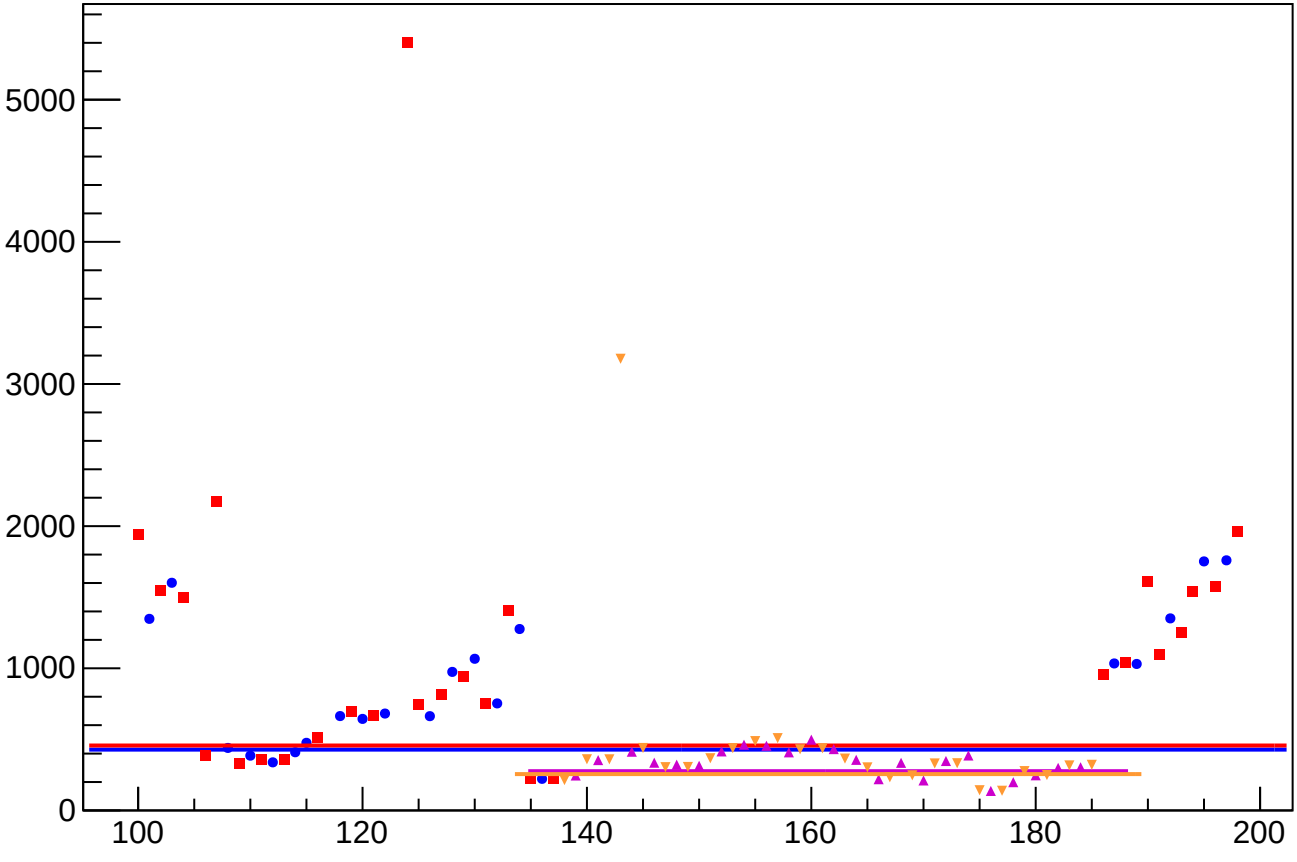
Right: -37.459+/-116.117 χ^2/NDF: 55.7/47

In: 44.081+/-63.582 χ^2/NDF:47.6/43

Out: -102.559+/-59.661 χ^2/NDF:75.7/51

All: -33.899+/-43.507 χ^2/NDF: 126.1/95

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 427.956+/-0.117 χ^2/NDF: 7777980.4/20

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 456.874+/-0.115 χ^2/NDF: 9557684.8/26

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

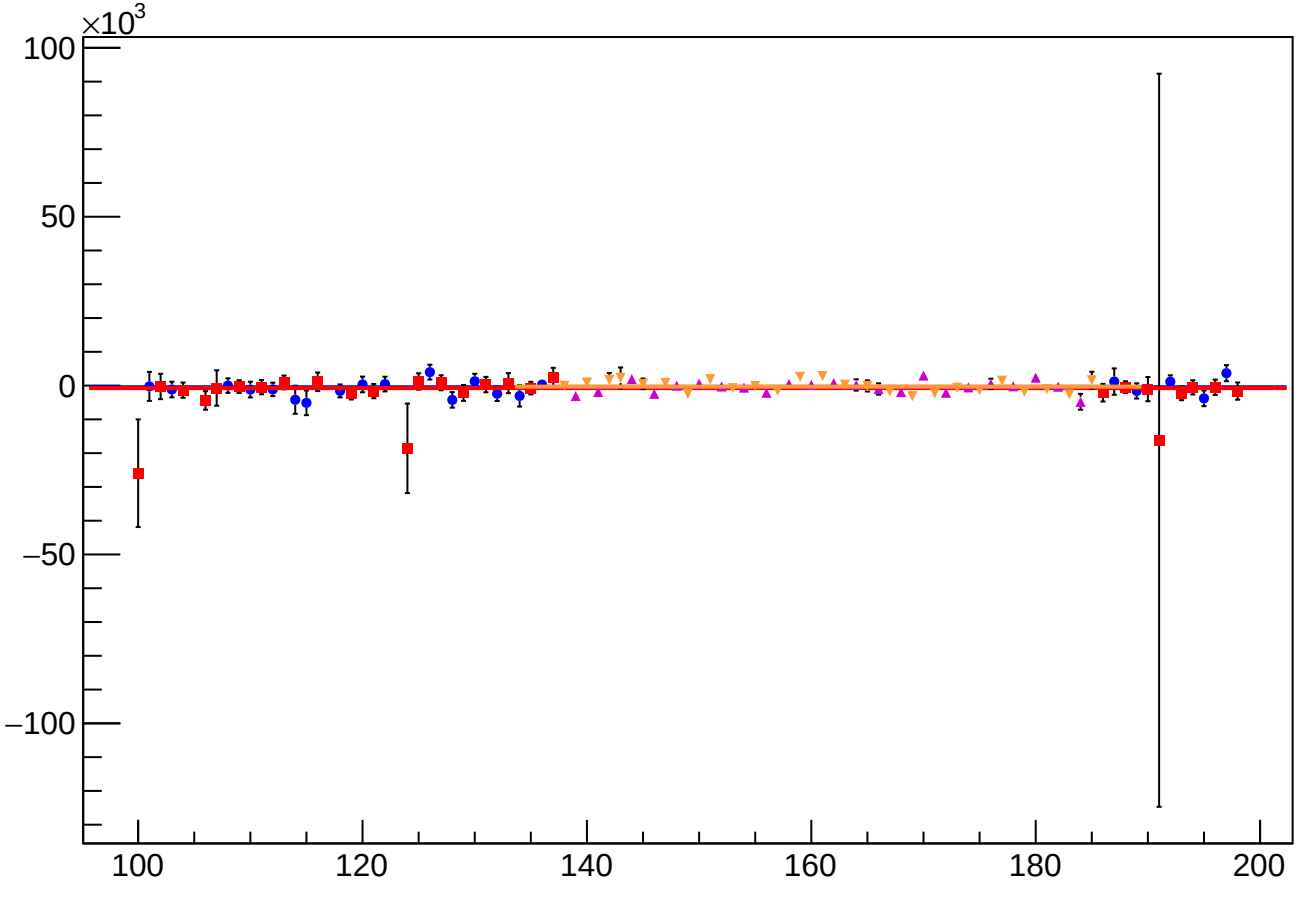
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 442.701+/-0.082 χ^2/NDF: 17366662.9/47

In: 298.585+/-0.045 χ^2/NDF:13231718.5/43

Out: 282.839+/-0.042 χ^2/NDF:18578620.5/51

All: 290.211+/-0.031 χ^2/NDF: 31875564.3/95



Right In: -488.681+/-497.145 χ^2/NDF: 18.8/20

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -745.033+/-472.332 χ^2/NDF: 12.5/26

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

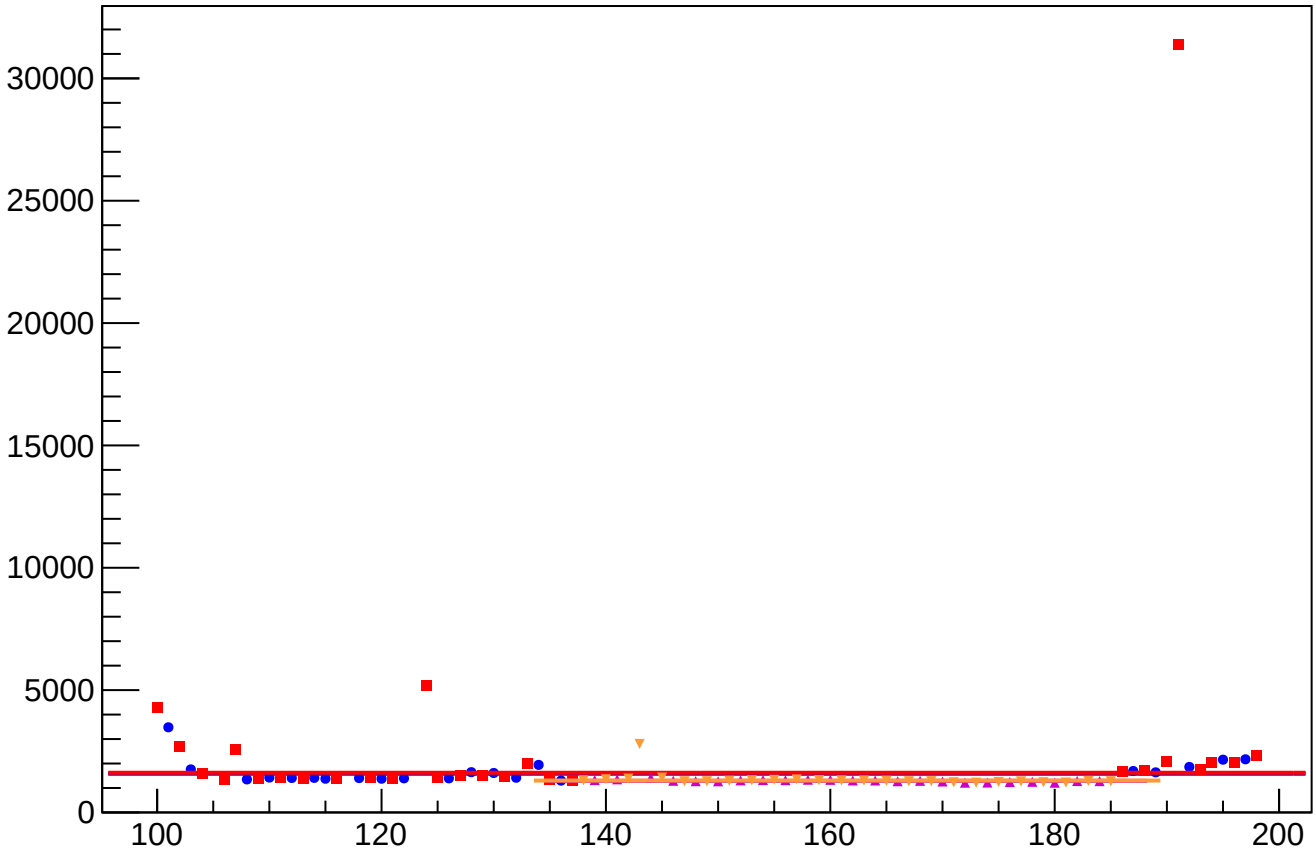
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -623.414+/-342.425 χ^2/NDF: 31.4/47

In: -392.030+/-258.048 χ^2/NDF:48.5/43

Out: -440.989+/-252.195 χ^2/NDF:44.6/51

All: -417.071+/-180.362 χ^2/NDF: 93.2/95



Right In: 1583.181+/-0.352 χ^2/NDF: 935911.7/20

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1622.668+/-0.334 χ^2/NDF: 1222335.6/26

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

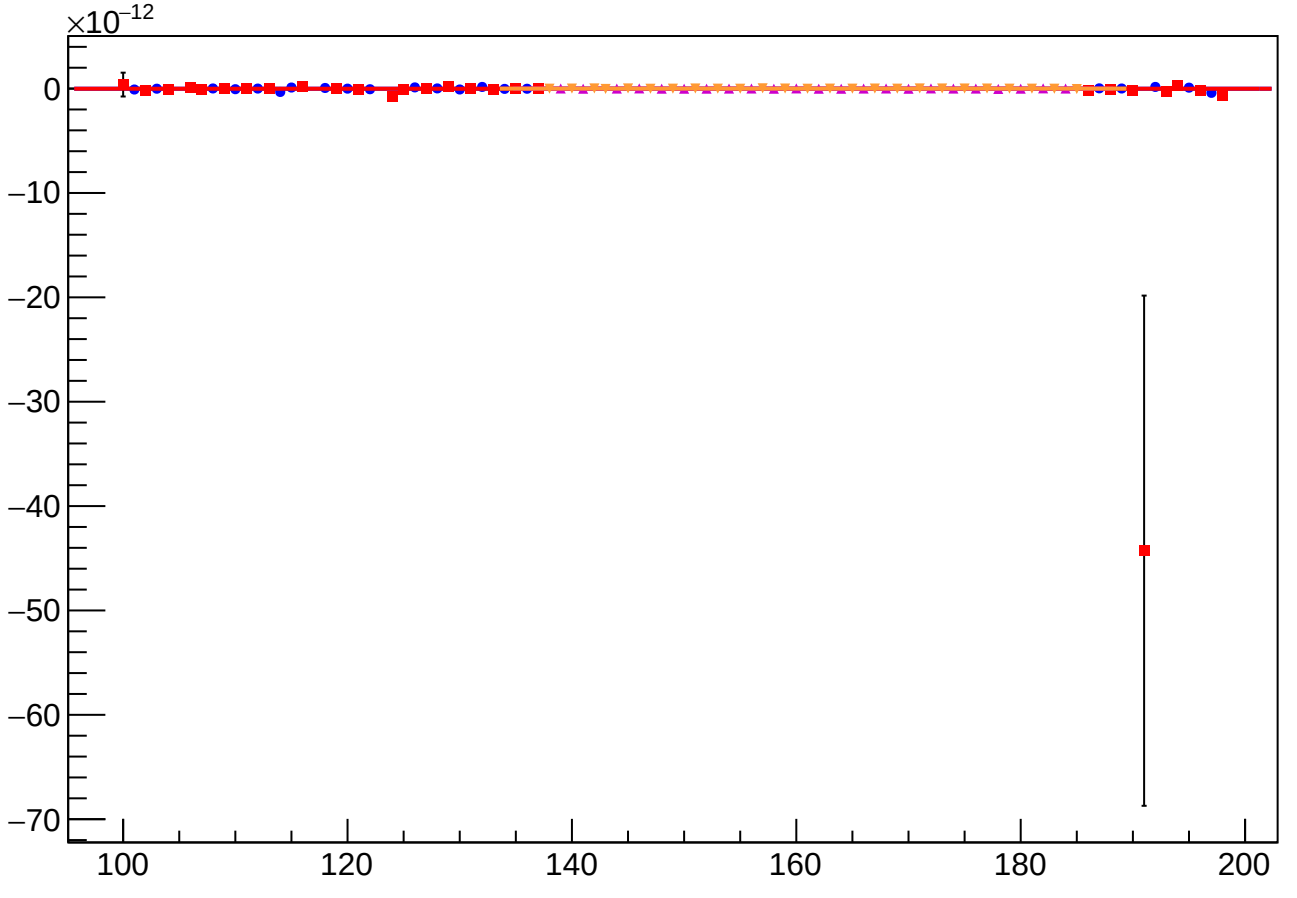
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1603.935+/-0.242 χ^2/NDF: 2164878.5/47

In: 1370.541+/-0.182 χ^2/NDF:1485086.1/43

Out: 1394.960+/-0.178 χ^2/NDF:2392134.2/51

All: 1383.031+/-0.128 χ^2/NDF: 3886381.0/95



Right In: -0.000+/-0.000 χ^2/NDF: 15.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.3/26

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

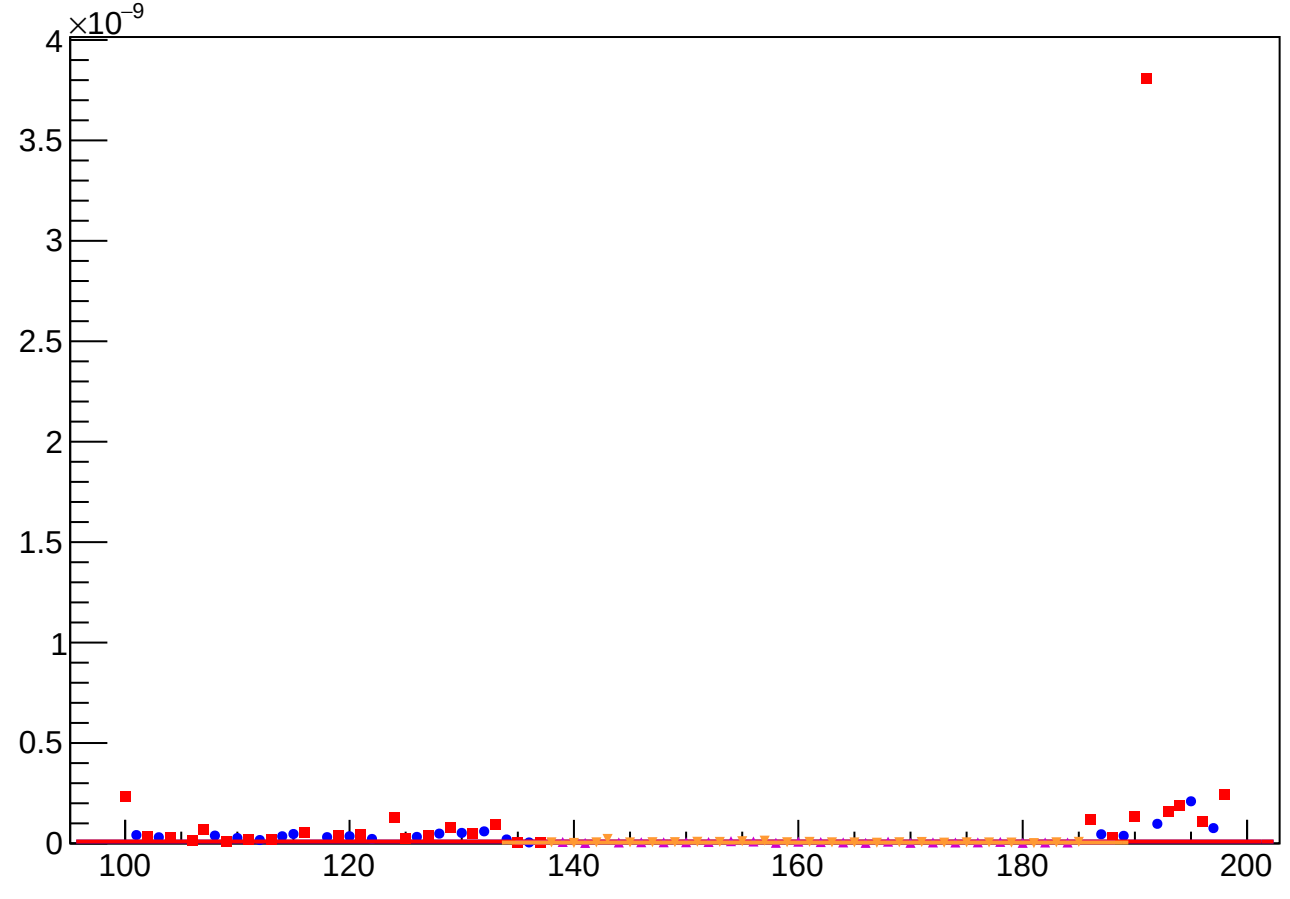
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 50.5/47

In: -0.000+/-0.000 χ^2/NDF:47.0/43

Out: -0.000+/-0.000 χ^2/NDF:62.4/51

All: -0.000+/-0.000 χ^2/NDF: 109.7/95



Right In: 0.000+/-0.000 χ^2/NDF: 4820521.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6969984.9/26

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

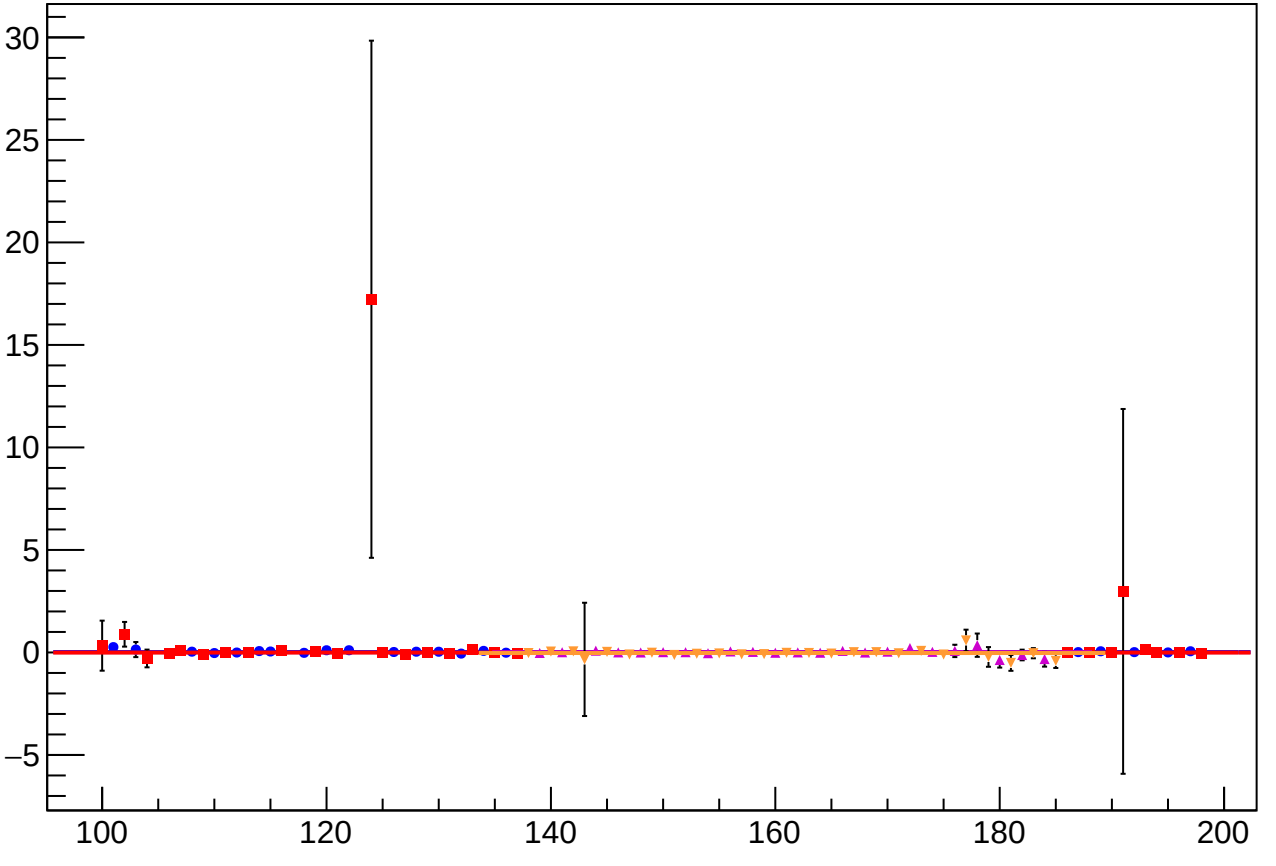
Right: 0.000+/-0.000 χ^2/NDF: 11796960.3/47

In: 0.000+/-0.000 χ^2/NDF:7308130.5/43

Out: 0.000+/-0.000 χ^2/NDF:10465973.2/51

All: 0.000+/-0.000 χ^2/NDF: 17799474.6/95

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.014 χ^2/NDF: 12.0/20

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

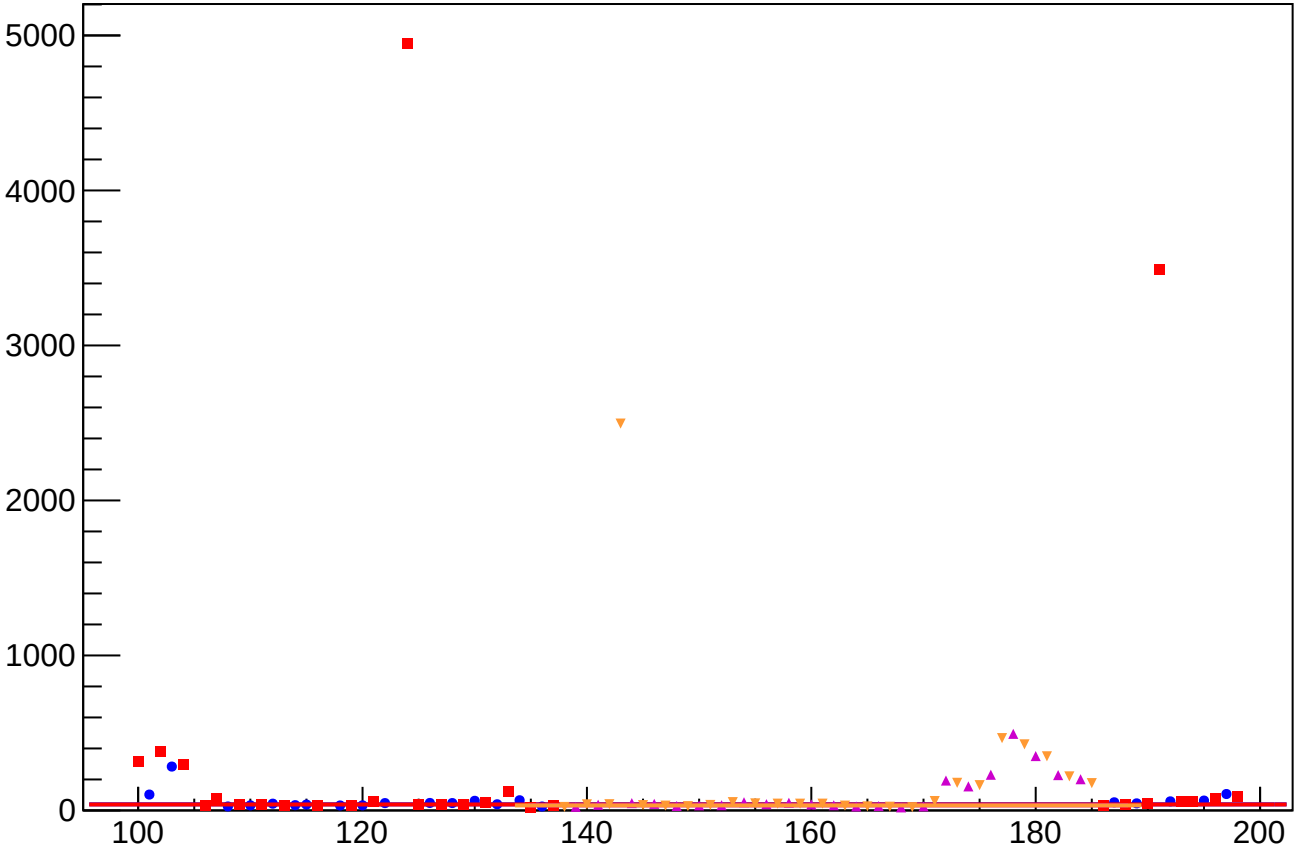
Right: 0.005+/-0.010 χ^2/NDF: 33.7/47

In: 0.013+/-0.008 χ^2/NDF:25.3/43

Out: -0.020+/-0.008 χ^2/NDF:50.2/51

All: -0.004+/-0.006 χ^2/NDF: 84.7/95

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.482+/-0.010 χ^2/NDF: 3433000.0/20

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 38.621+/-0.009 χ^2/NDF: 4731013.7/26

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

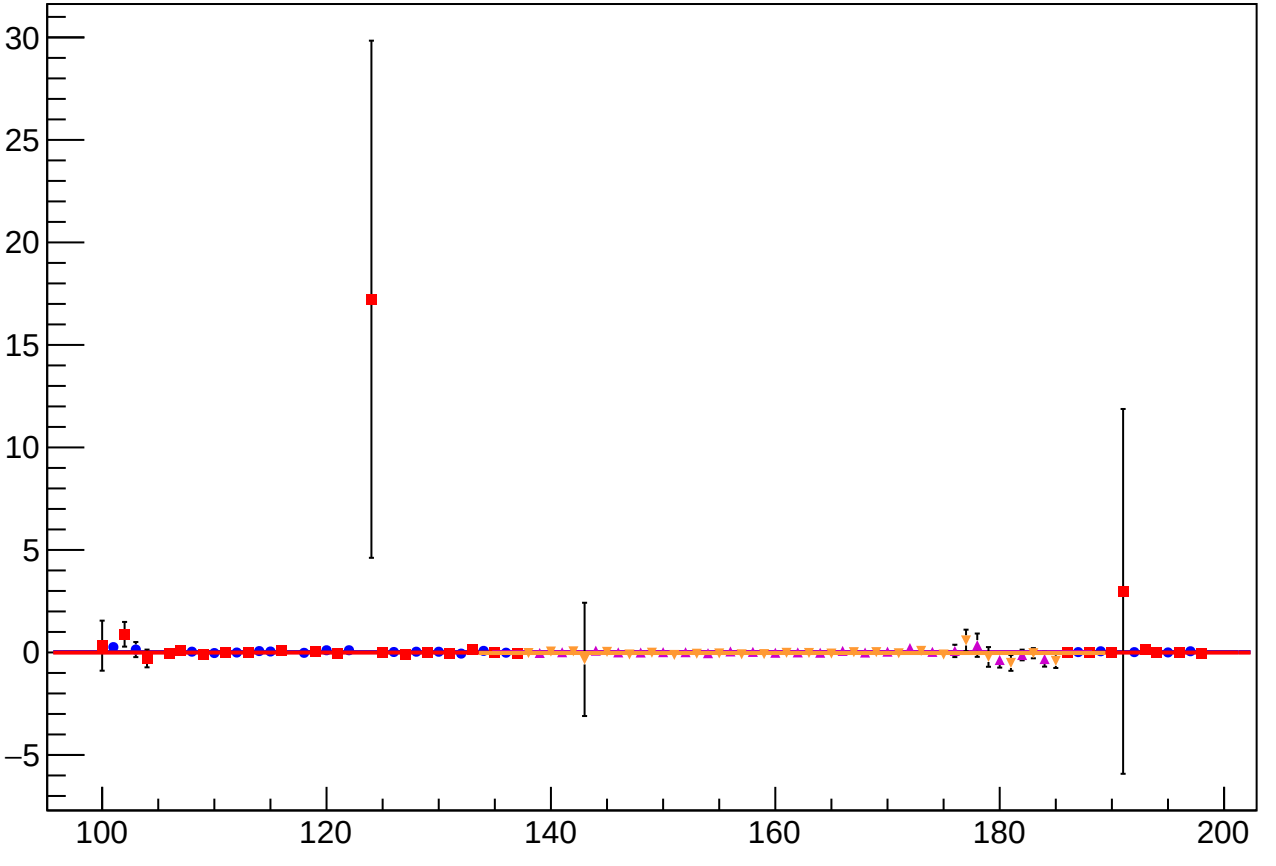
Right: 39.015+/-0.007 χ^2/NDF: 8167985.7/47

In: 34.818+/-0.006 χ^2/NDF:12707108.7/43

Out: 34.653+/-0.005 χ^2/NDF:15884579.1/51

All: 34.734+/-0.004 χ^2/NDF: 28592136.0/95

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.014 χ^2/NDF: 12.0/20

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

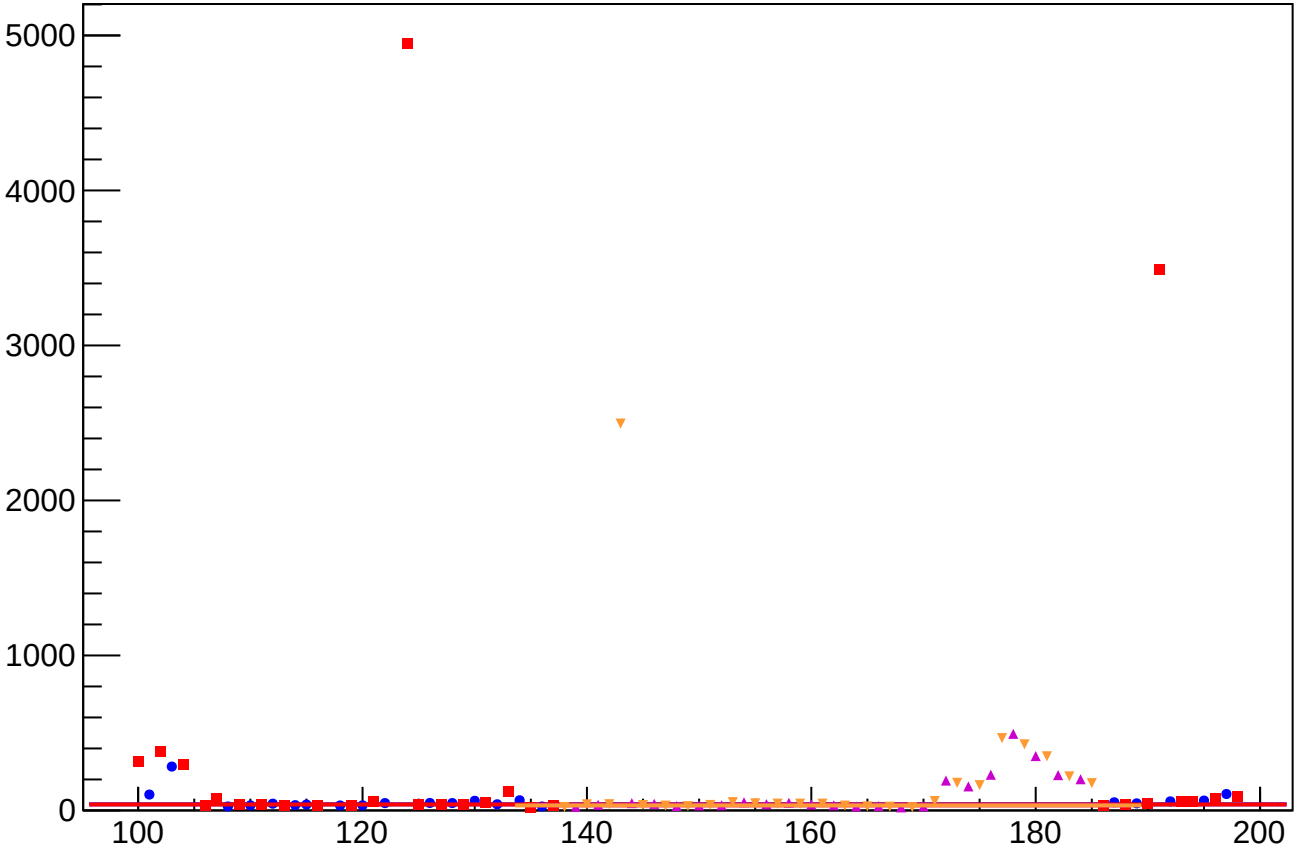
Right: 0.005+/-0.010 χ^2/NDF: 33.7/47

In: 0.013+/-0.008 χ^2/NDF:25.3/43

Out: -0.020+/-0.008 χ^2/NDF:50.2/51

All: -0.004+/-0.006 χ^2/NDF: 84.7/95

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.482+/-0.010 χ^2/NDF: 3433000.0/20

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 38.621+/-0.009 χ^2/NDF: 4731013.7/26

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

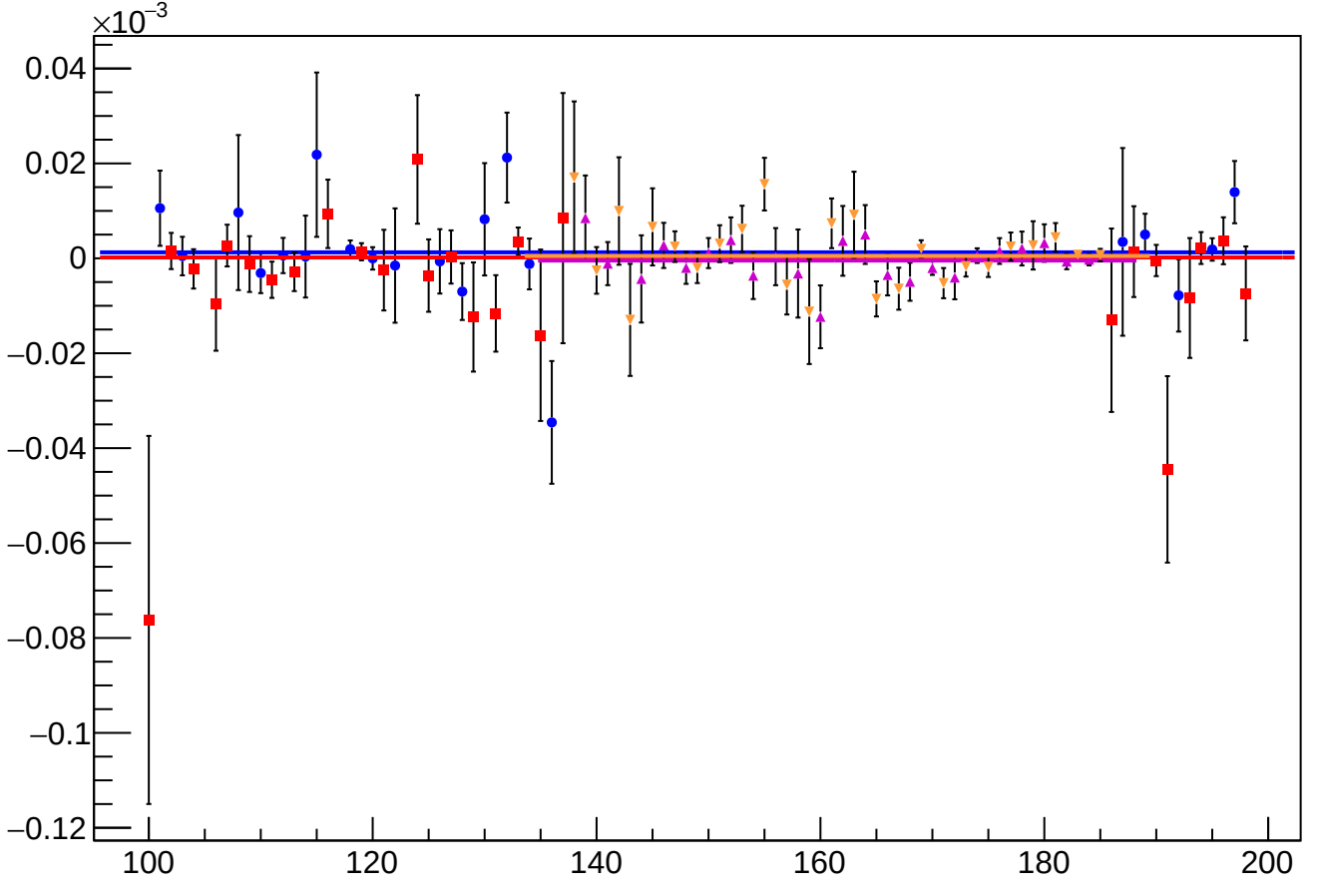
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 39.015+/-0.007 χ^2/NDF: 8167985.7/47

In: 34.818+/-0.006 χ^2/NDF:12707108.7/43

Out: 34.653+/-0.005 χ^2/NDF:15884579.1/51

All: 34.734+/-0.004 χ^2/NDF: 28592136.0/95



Right In: 0.000+/-0.000 χ^2/NDF: 25.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/26

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

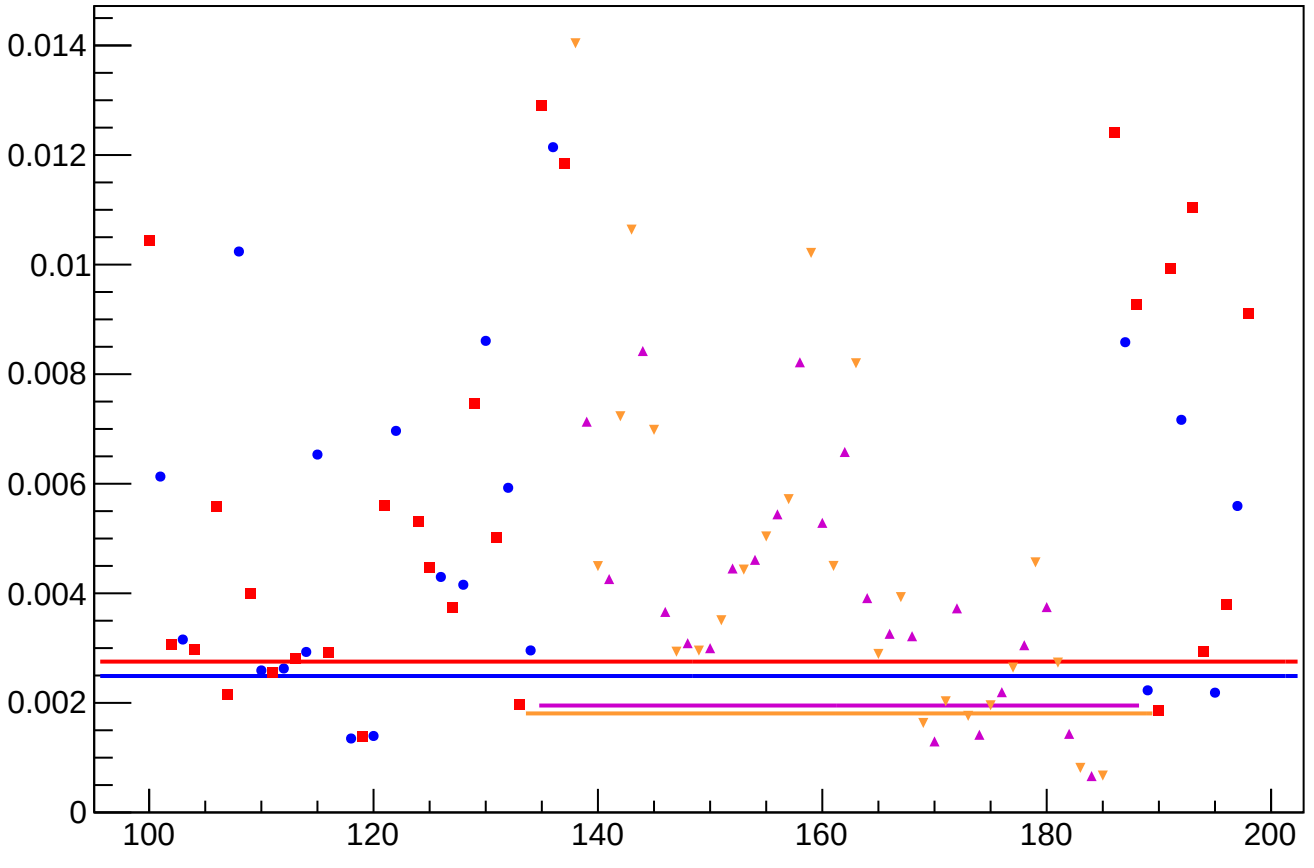
Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

Right: 0.000+/-0.000 χ^2/NDF: 51.6/47

In: 0.000+/-0.000 χ^2/NDF:41.3/43

Out: 0.000+/-0.000 χ^2/NDF:61.5/51

All: 0.000+/-0.000 χ^2/NDF: 103.2/95



Right In: 0.002+/-0.000 χ^2/NDF: 6175432.1/20

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 7117065.9/26

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

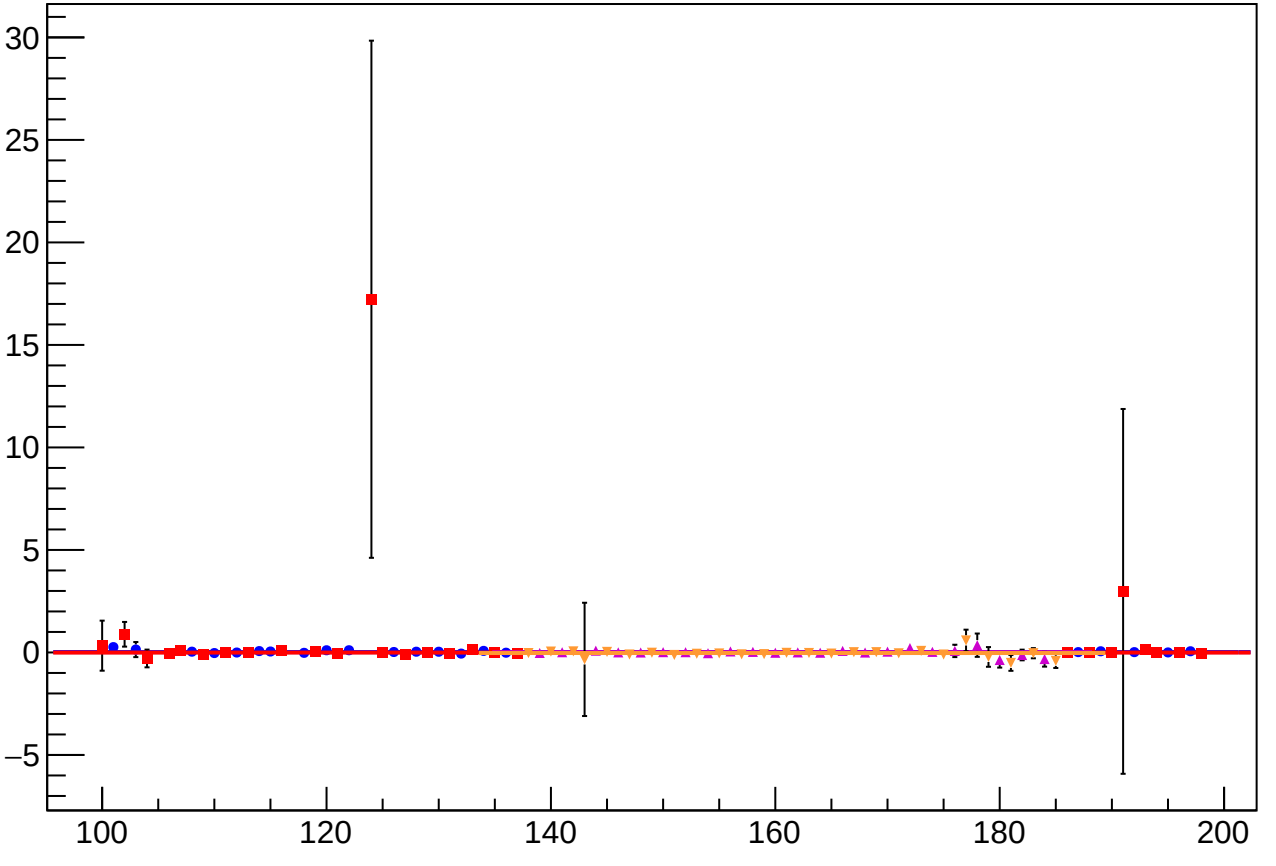
Right: 0.003+/-0.000 χ^2/NDF: 13369507.3/47

In: 0.002+/-0.000 χ^2/NDF:18113913.0/43

Out: 0.002+/-0.000 χ^2/NDF:23577199.2/51

All: 0.002+/-0.000 χ^2/NDF: 41702487.3/95

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.014 χ^2/NDF: 12.0/20

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

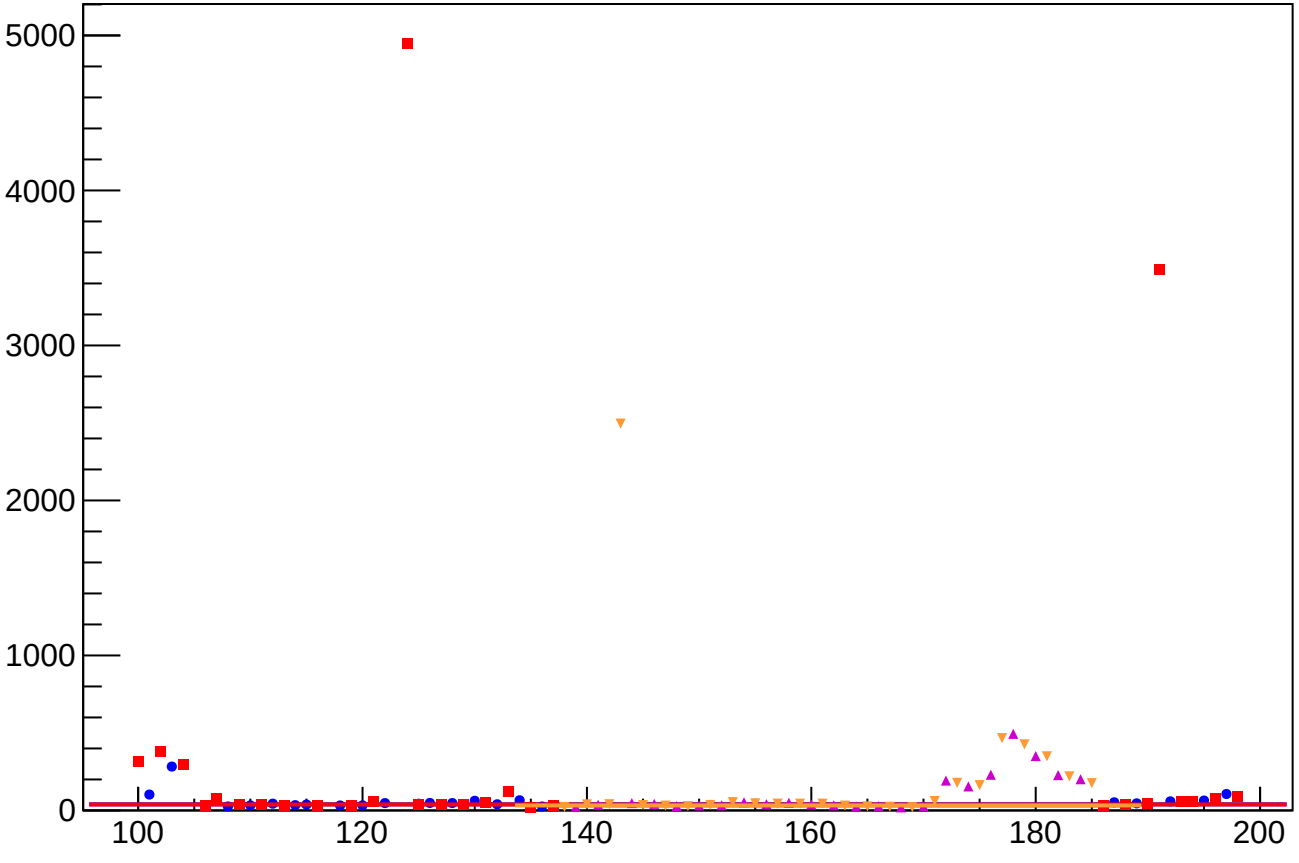
Right: 0.005+/-0.010 χ^2/NDF: 33.7/47

In: 0.013+/-0.008 χ^2/NDF:25.3/43

Out: -0.020+/-0.008 χ^2/NDF:50.2/51

All: -0.004+/-0.006 χ^2/NDF: 84.7/95

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.483+/-0.010 χ^2/NDF: 3432537.6/20

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 38.621+/-0.009 χ^2/NDF: 4730776.9/26

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

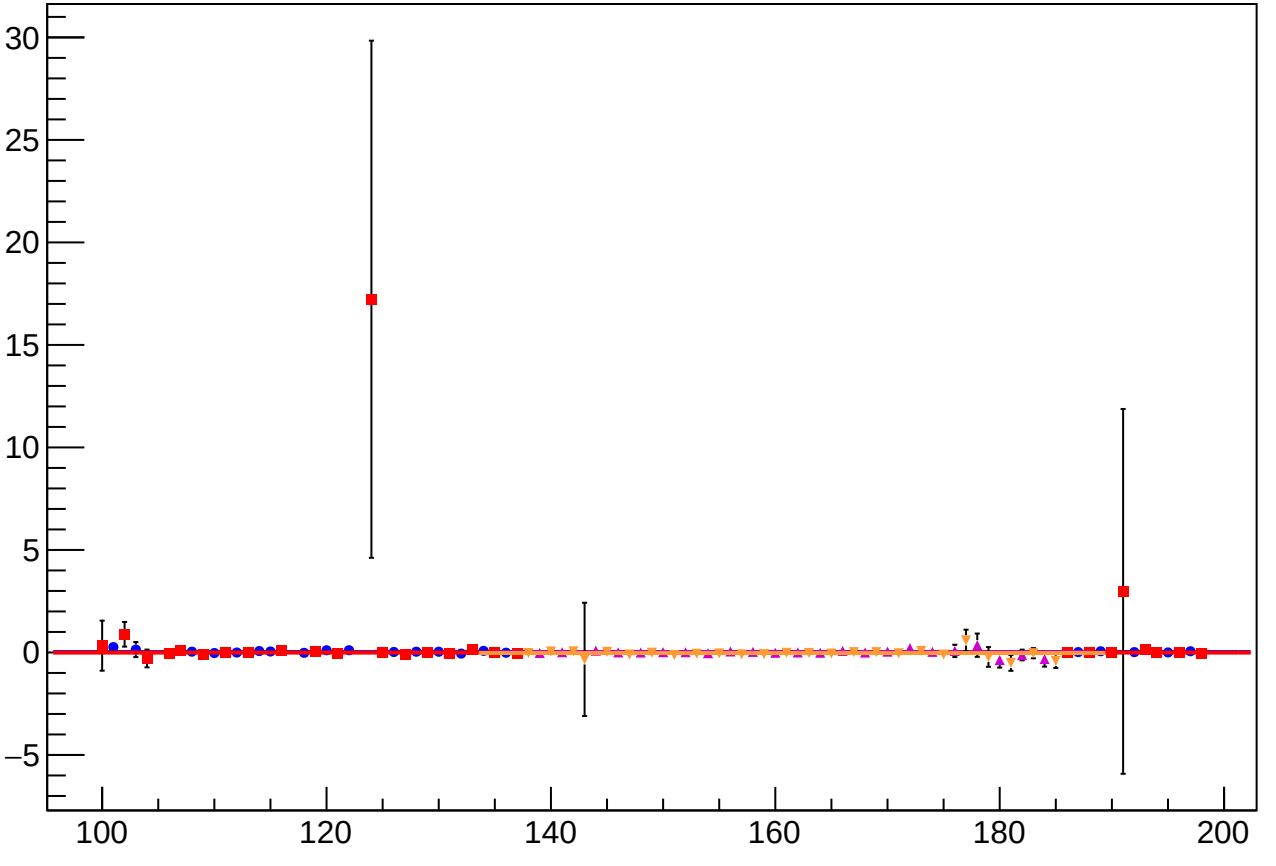
Right: 39.016+/-0.007 χ^2/NDF: 8167297.1/47

In: 34.818+/-0.006 χ^2/NDF:12707523.7/43

Out: 34.653+/-0.005 χ^2/NDF:15884641.5/51

All: 34.733+/-0.004 χ^2/NDF: 28592610.5/95

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.014 χ^2/NDF: 12.0/20

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

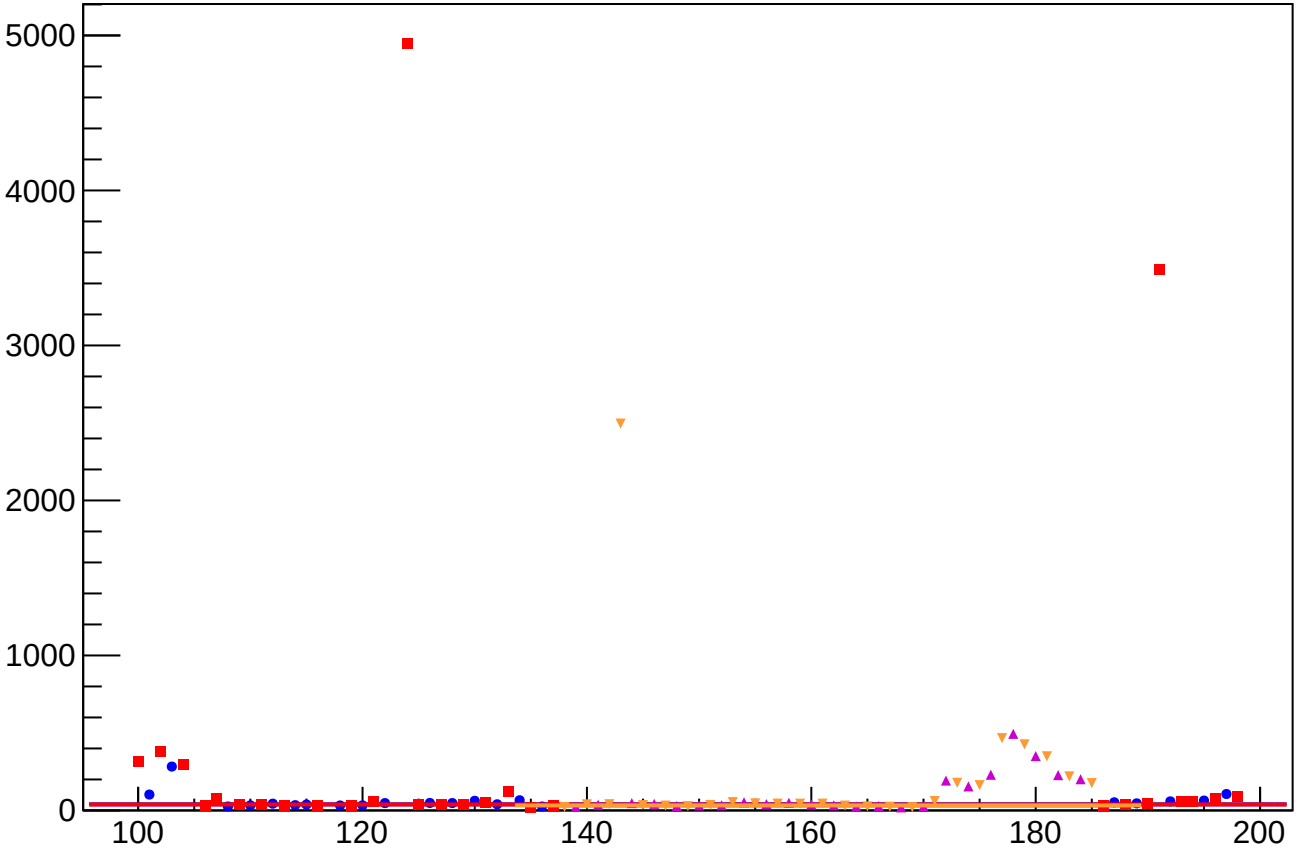
Right: 0.005+/-0.010 χ^2/NDF: 33.7/47

In: 0.013+/-0.008 χ^2/NDF:25.3/43

Out: -0.020+/-0.008 χ^2/NDF:50.2/51

All: -0.004+/-0.006 χ^2/NDF: 84.7/95

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.483+/-0.010 χ^2/NDF: 3432537.6/20

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 38.621+/-0.009 χ^2/NDF: 4730776.9/26

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

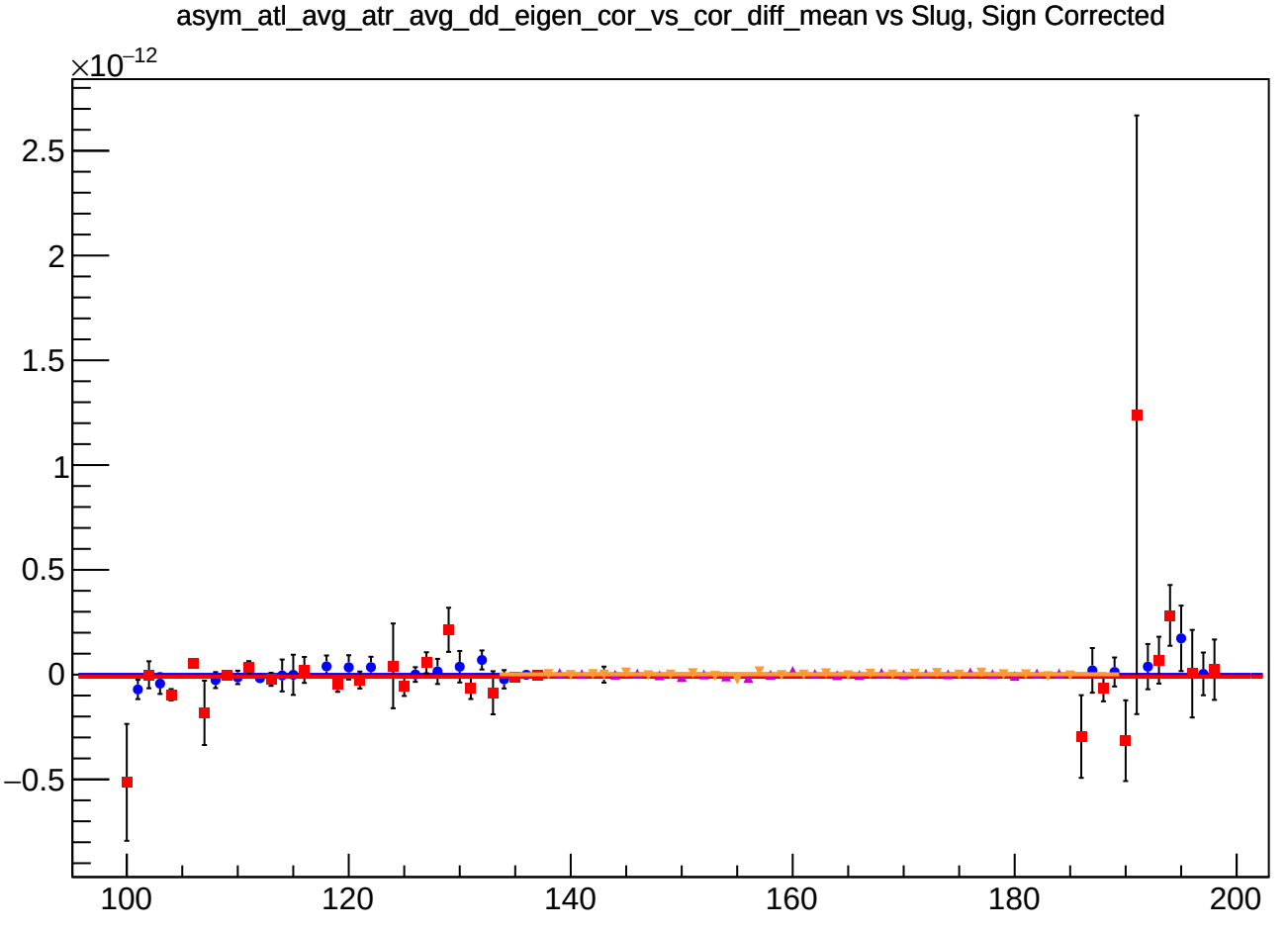
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 39.016+/-0.007 χ^2/NDF: 8167297.1/47

In: 34.818+/-0.006 χ^2/NDF:12707523.7/43

Out: 34.653+/-0.005 χ^2/NDF:15884641.5/51

All: 34.733+/-0.004 χ^2/NDF: 28592610.5/95



Right In: -0.000+/-0.000 χ^2/NDF: 10.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 50.5/26

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

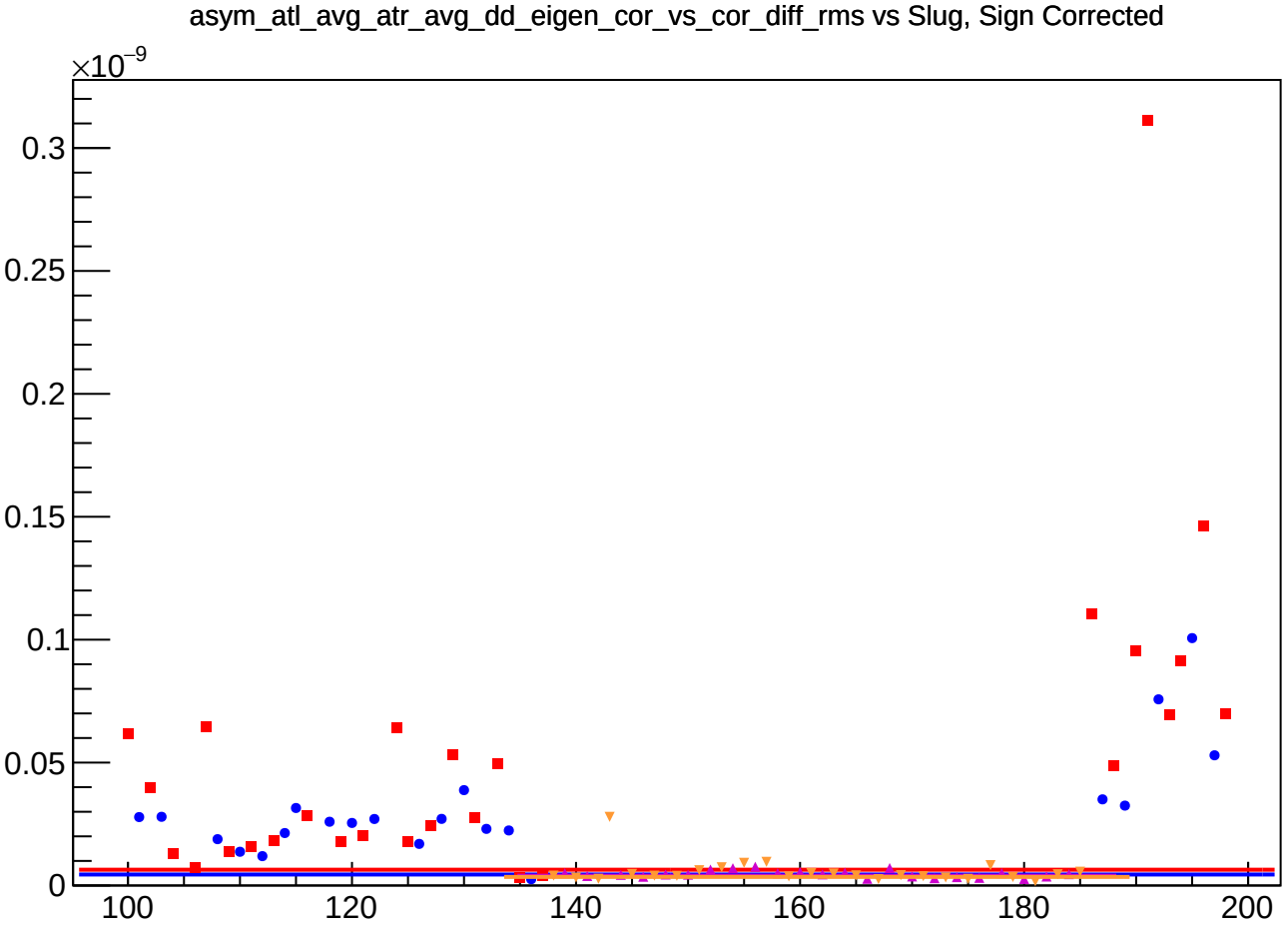
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

Right: -0.000+/-0.000 χ^2/NDF: 63.6/47

In: 0.000+/-0.000 χ^2/NDF:39.2/43

Out: 0.000+/-0.000 χ^2/NDF:76.3/51

All: 0.000+/-0.000 χ^2/NDF: 115.5/95



Right In: 0.000+/-0.000 χ^2/NDF: 7667464.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9431769.5/26

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

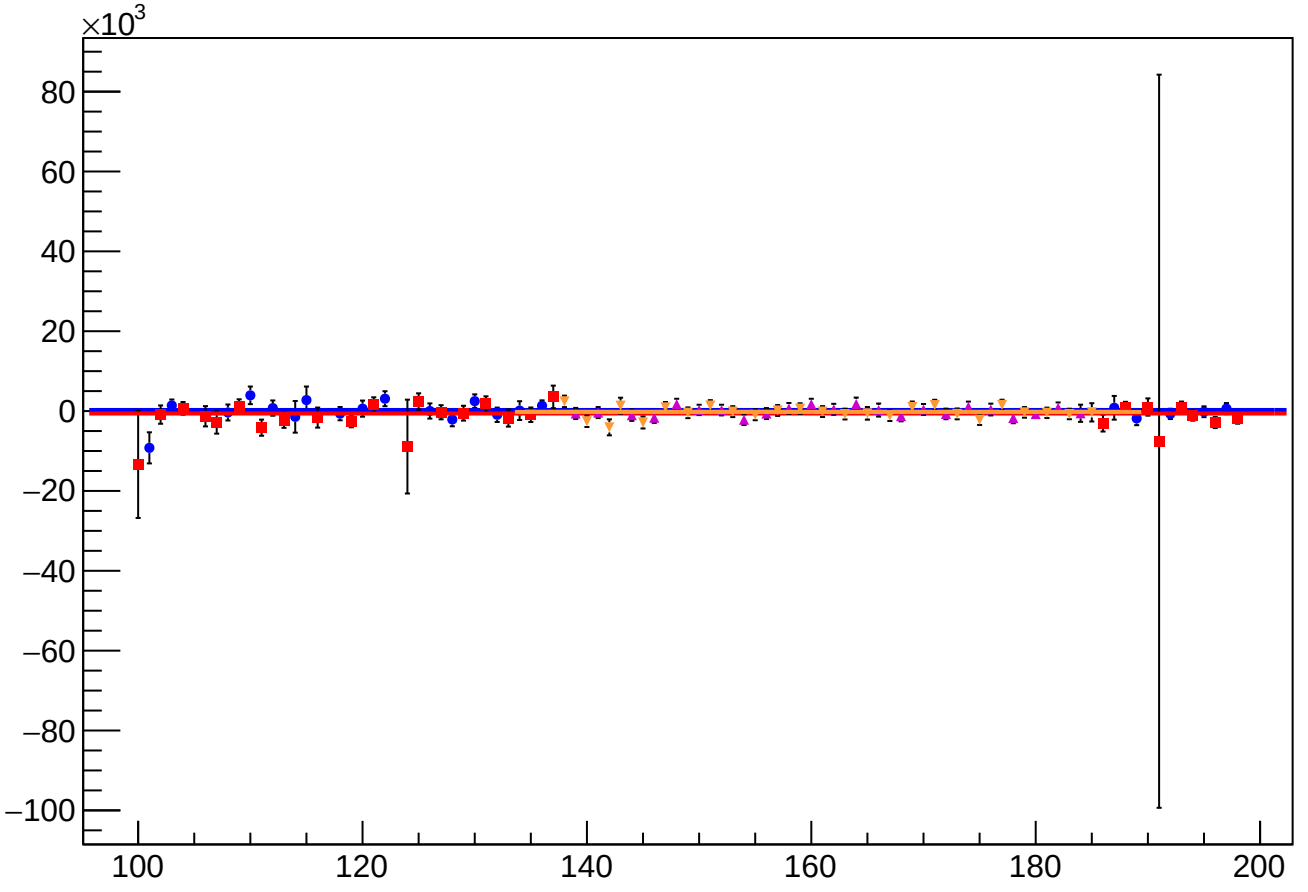
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 17361637.6/47

In: 0.000+/-0.000 χ^2/NDF:9779664.5/43

Out: 0.000+/-0.000 χ^2/NDF:15052207.4/51

All: 0.000+/-0.000 χ^2/NDF: 24943539.5/95



Right In: 278.792+/-394.726 χ^2/NDF: 19.8/20

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -615.579+/-367.279 χ^2/NDF: 24.8/26

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

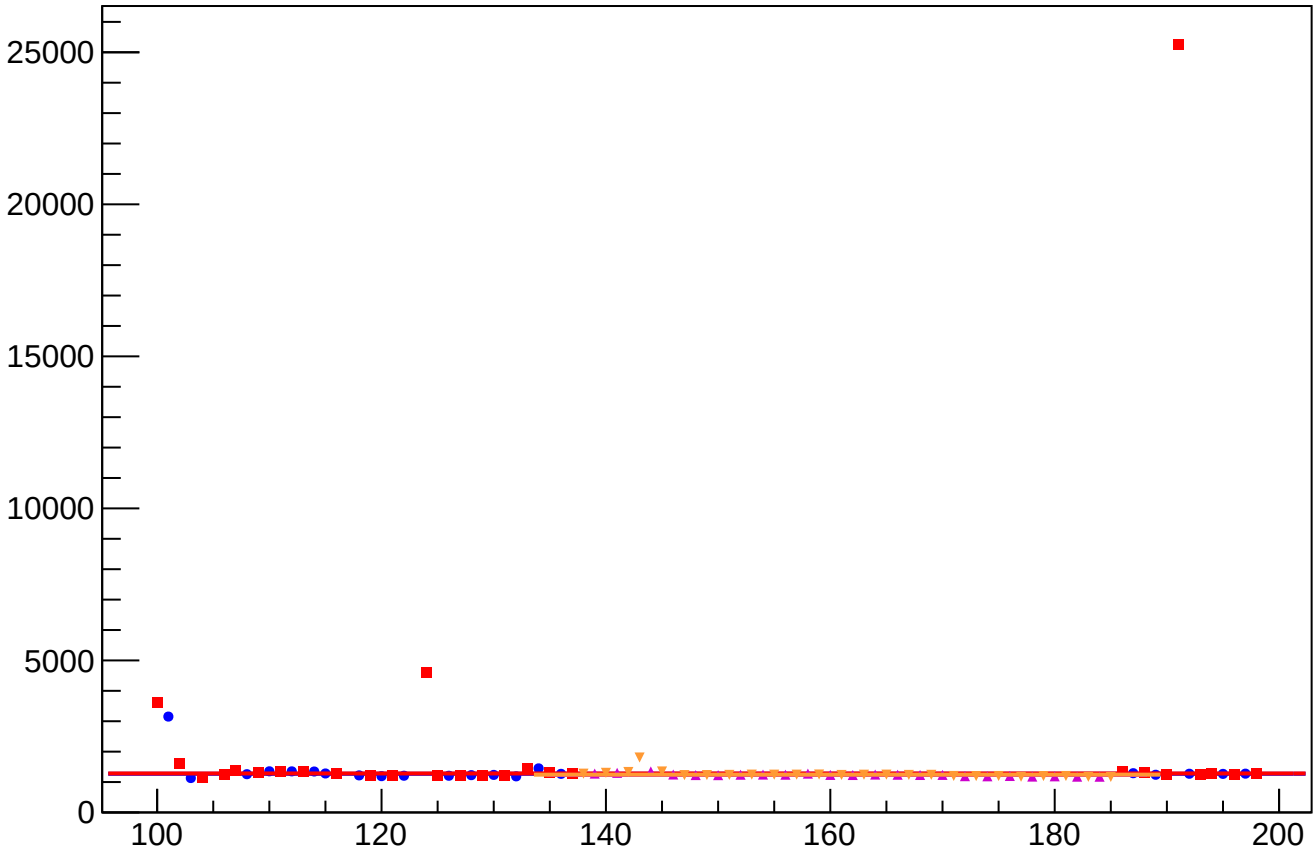
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -200.566+/-268.886 χ^2/NDF: 47.3/47

In: 36.680+/-232.770 χ^2/NDF:35.1/43

Out: -367.856+/-224.199 χ^2/NDF:49.4/51

All: -173.173+/-161.478 χ^2/NDF: 86.0/95



Right In: 1271.232+/-0.279 χ^2/NDF: 520131.2/20

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1282.613+/-0.260 χ^2/NDF: 468595.1/26

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

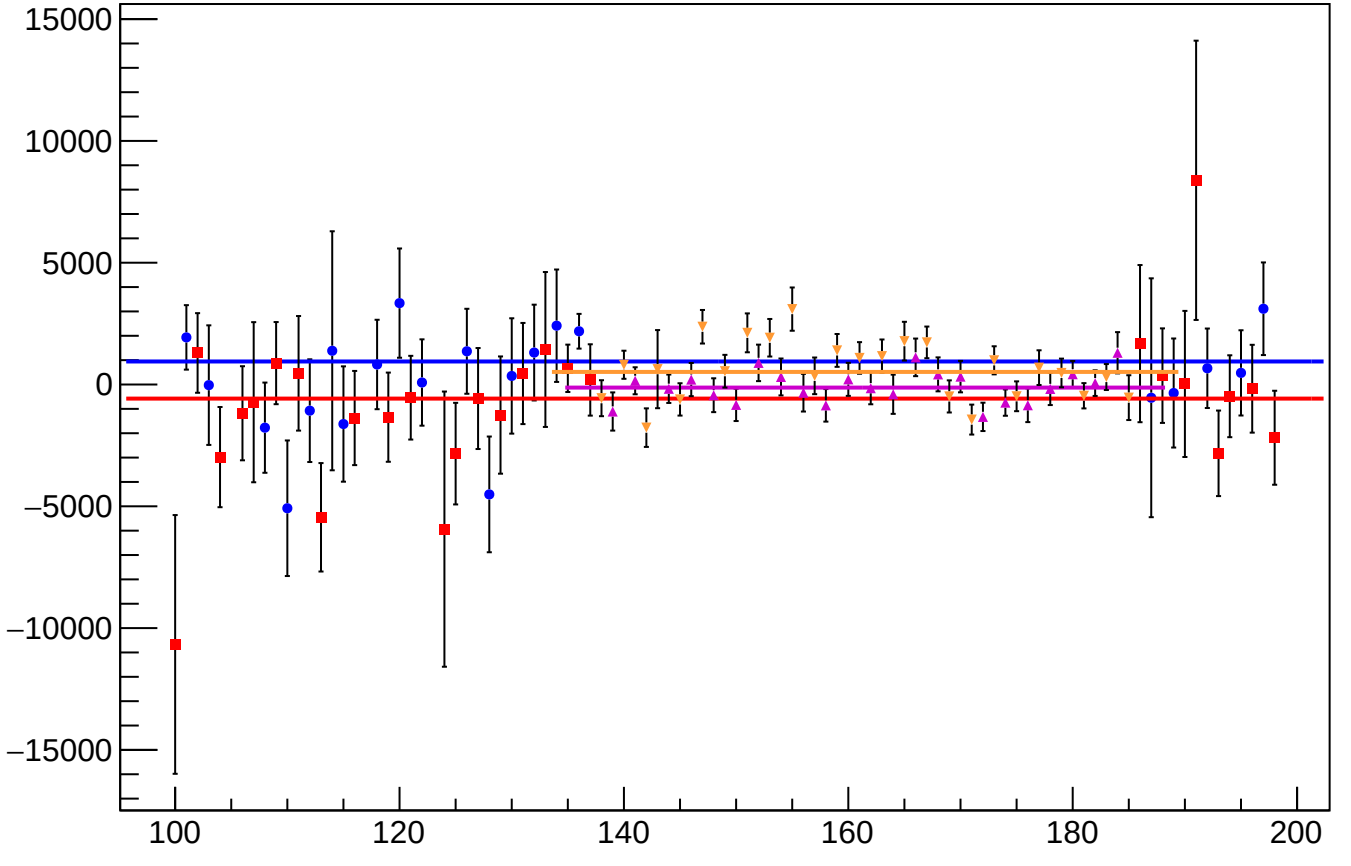
Right: 1277.332+/-0.190 χ^2/NDF: 989617.4/47

In: 1246.786+/-0.165 χ^2/NDF:571174.1/43

Out: 1257.651+/-0.159 χ^2/NDF:686619.9/51

All: 1252.422+/-0.114 χ^2/NDF: 1260054.5/95

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 945.510+/-385.336 χ^2/NDF: 21.7/20

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -578.347+/-379.995 χ^2/NDF: 22.8/26

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

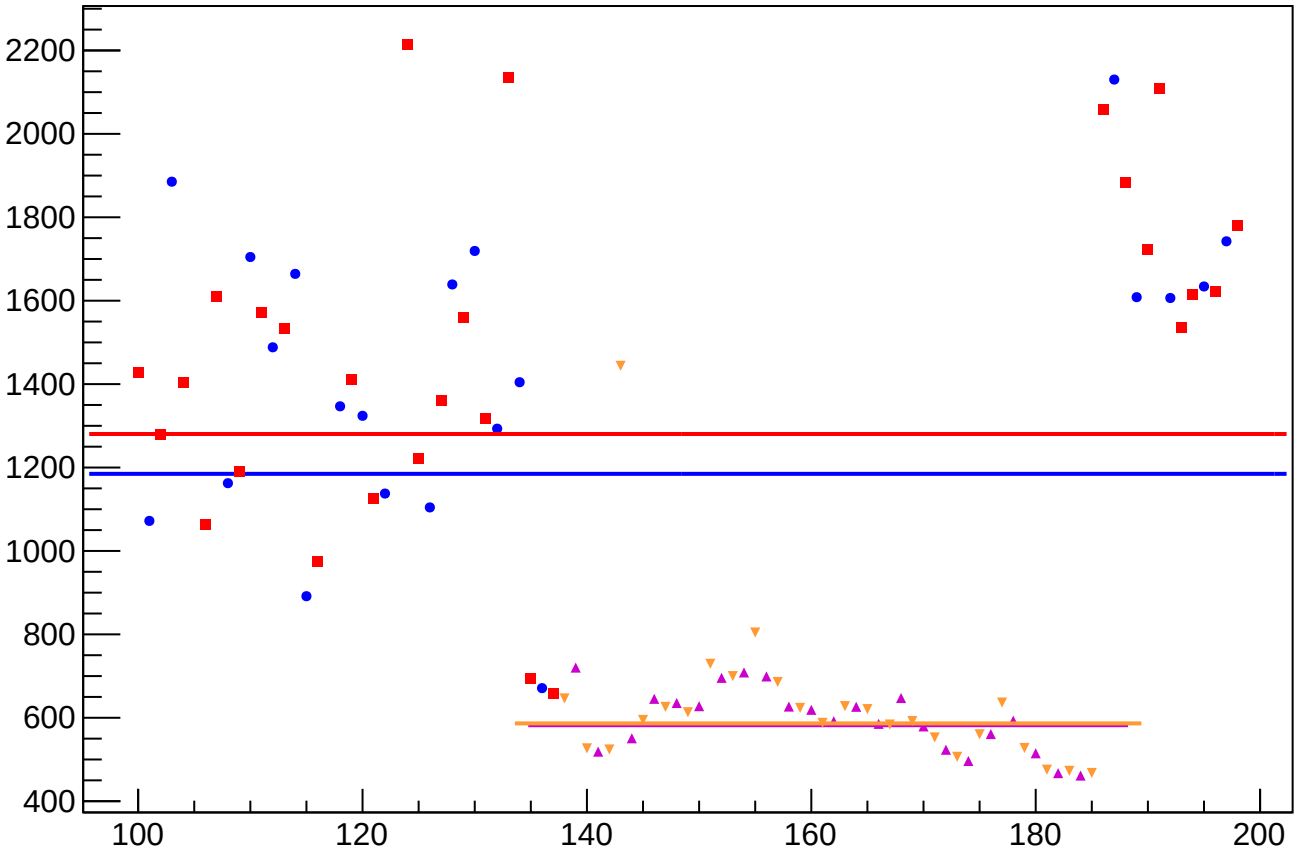
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 172.948+/-270.566 χ^2/NDF: 52.4/47

In: -5.846+/-129.307 χ^2/NDF:50.2/43

Out: 392.853+/-127.834 χ^2/NDF:97.2/51

All: 195.787+/-90.909 χ^2/NDF: 152.1/95



Right In: 1184.875+/-0.272 χ^2/NDF: 2188879.6/20

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1280.399+/-0.269 χ^2/NDF: 2234342.5/26

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

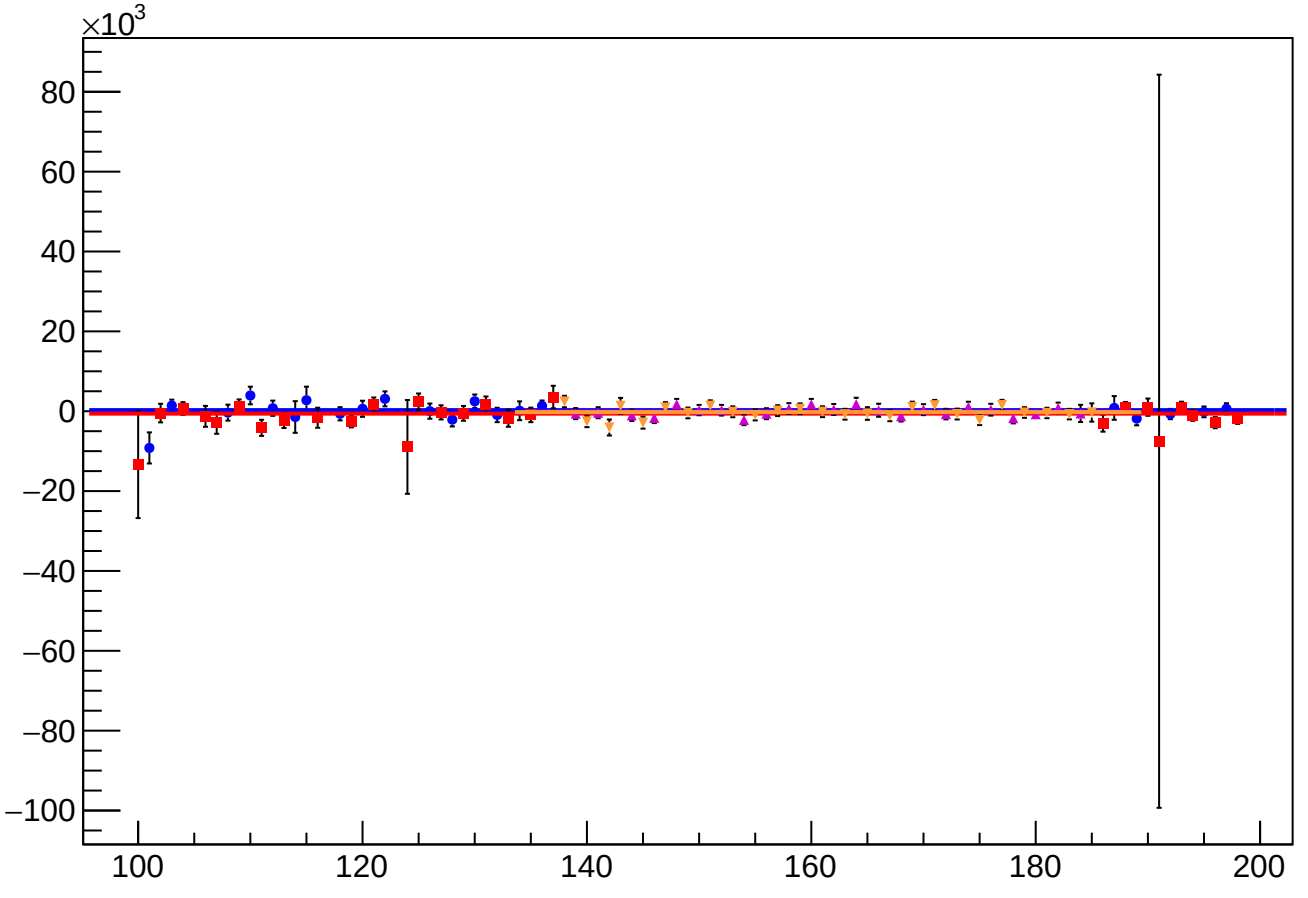
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1233.304+/-0.191 χ^2/NDF: 4485532.9/47

In: 650.057+/-0.091 χ^2/NDF:7089722.5/43

Out: 665.081+/-0.090 χ^2/NDF:9350619.9/51

All: 657.655+/-0.064 χ^2/NDF: 16453996.5/95



Right In: 279.005+/-394.726 χ^2/NDF: 19.8/20

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -603.827+/-367.644 χ^2/NDF: 24.8/26

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

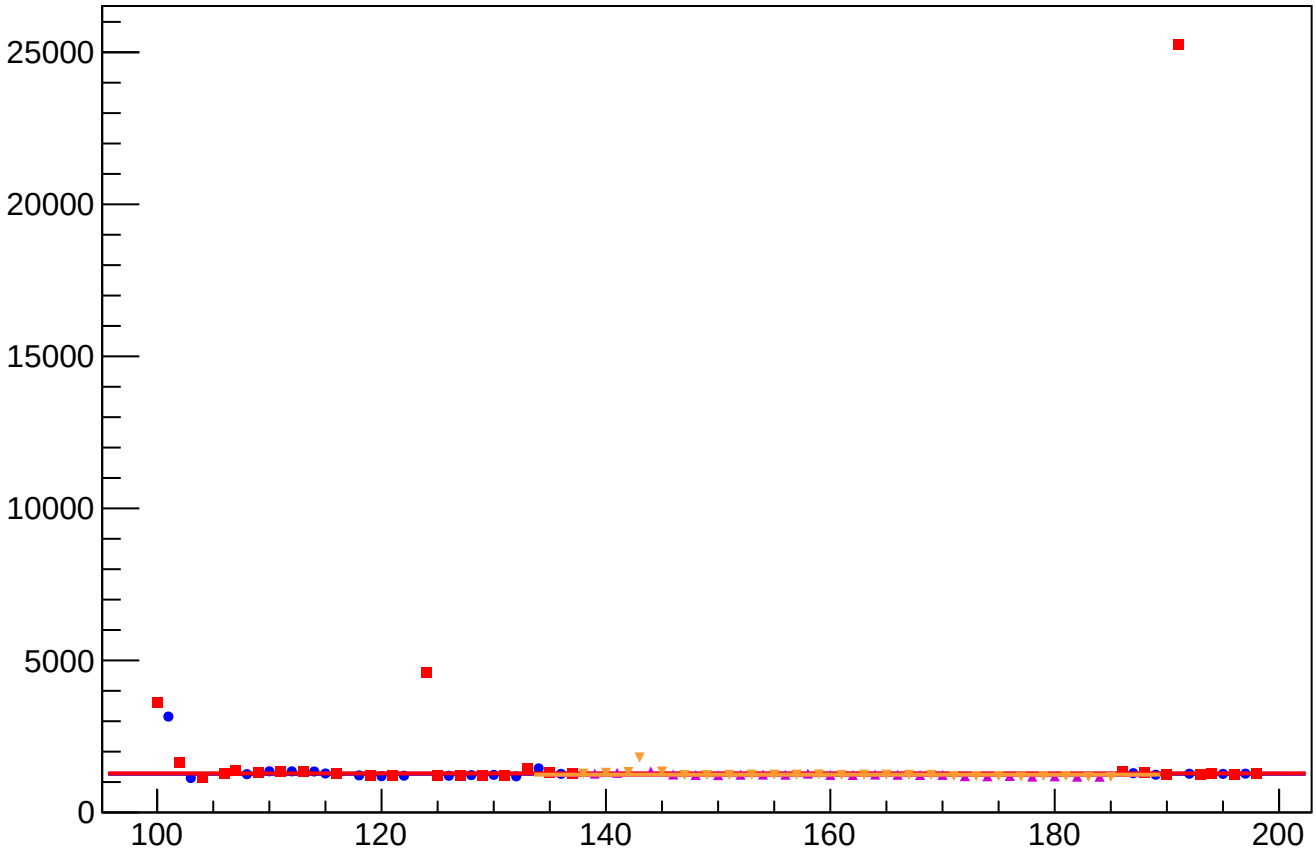
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -193.733+/-269.029 χ^2/NDF: 47.2/47

In: 36.708+/-232.770 χ^2/NDF:35.0/43

Out: -363.320+/-224.282 χ^2/NDF:49.4/51

All: -170.733+/-161.509 χ^2/NDF: 85.9/95



Right In: 1271.232+/-0.279 χ^2/NDF: 520132.6/20

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1283.949+/-0.260 χ^2/NDF: 475260.4/26

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

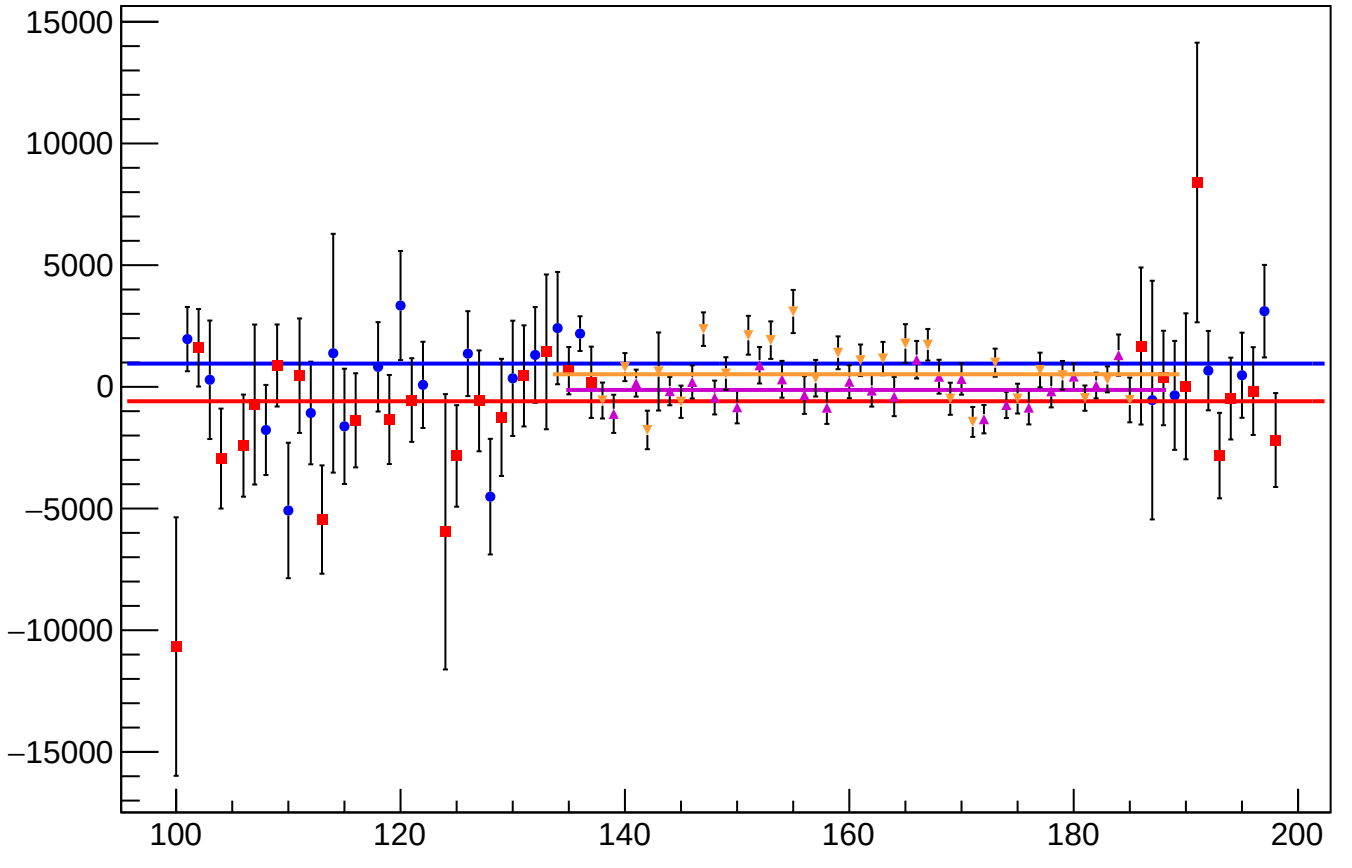
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1278.042+/-0.190 χ^2/NDF: 996504.7/47

In: 1246.786+/-0.165 χ^2/NDF:571175.4/43

Out: 1258.130+/-0.159 χ^2/NDF:694271.1/51

All: 1252.668+/-0.114 χ^2/NDF: 1267909.9/95



Right In: 955.646+/-385.205 χ^2/NDF: 21.7/20

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -591.449+/-380.548 χ^2/NDF: 24.0/26

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

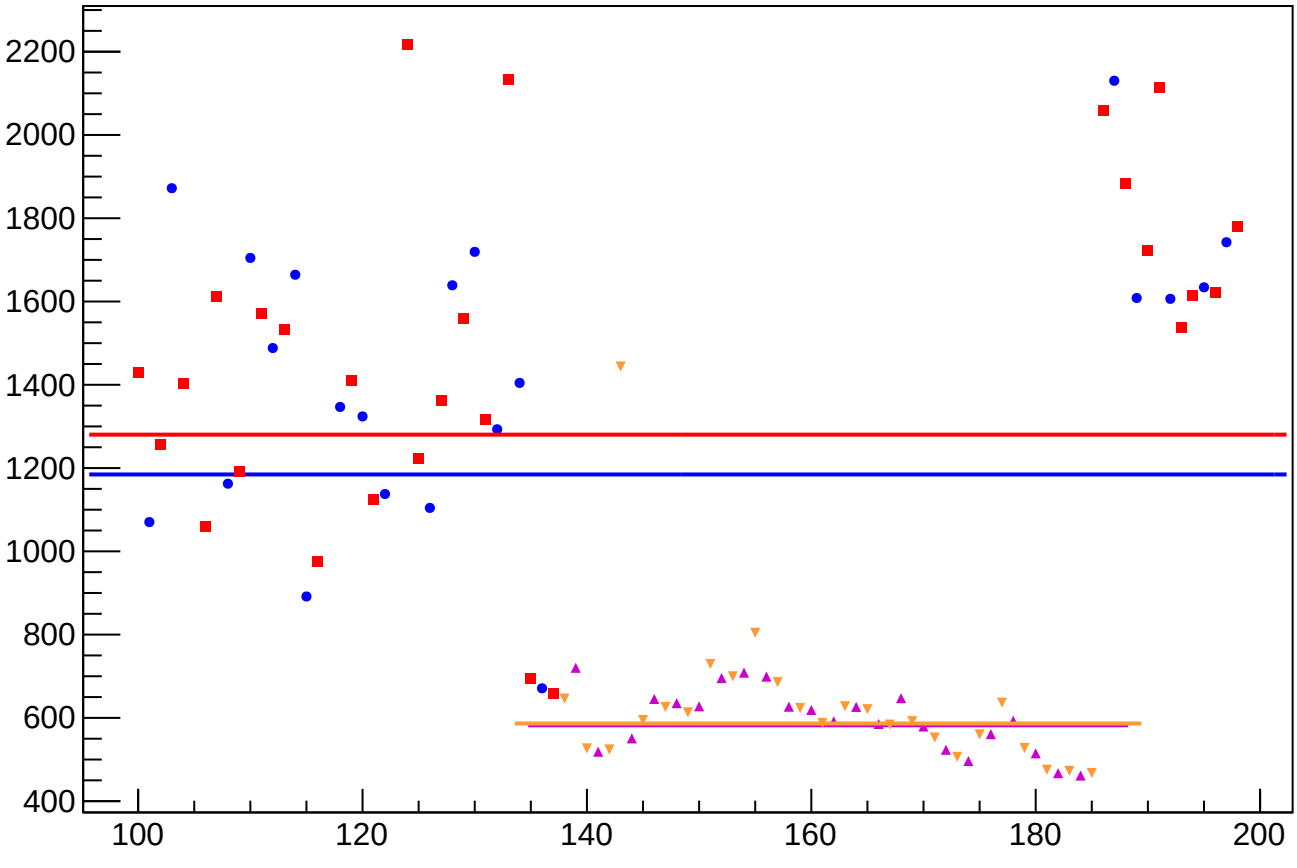
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 172.689+/-270.720 χ^2/NDF: 53.8/47

In: -4.614+/-129.302 χ^2/NDF:50.2/43

Out: 391.709+/-127.856 χ^2/NDF:98.5/51

All: 195.775+/-90.915 χ^2/NDF: 153.5/95



Right In: 1184.650+/-0.272 χ^2/NDF: 2185903.9/20

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1280.283+/-0.269 χ^2/NDF: 2231928.4/26

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

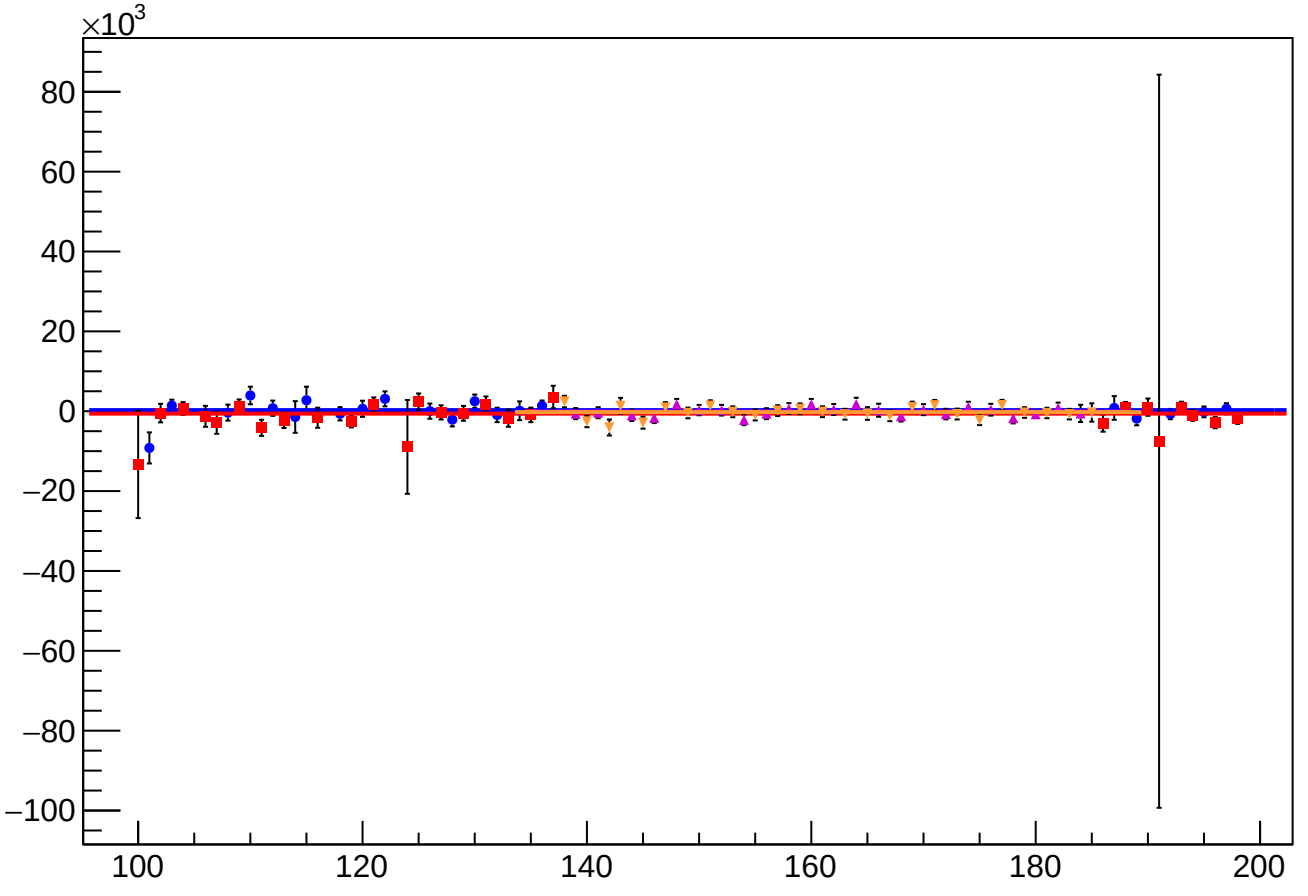
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1233.048+/-0.191 χ^2/NDF: 4480218.2/47

In: 650.070+/-0.091 χ^2/NDF:7086135.1/43

Out: 664.870+/-0.090 χ^2/NDF:9330823.2/51

All: 657.553+/-0.064 χ^2/NDF: 16430207.0/95



Right In: 279.005+/-394.726 χ^2/NDF: 19.8/20

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -603.827+/-367.644 χ^2/NDF: 24.8/26

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

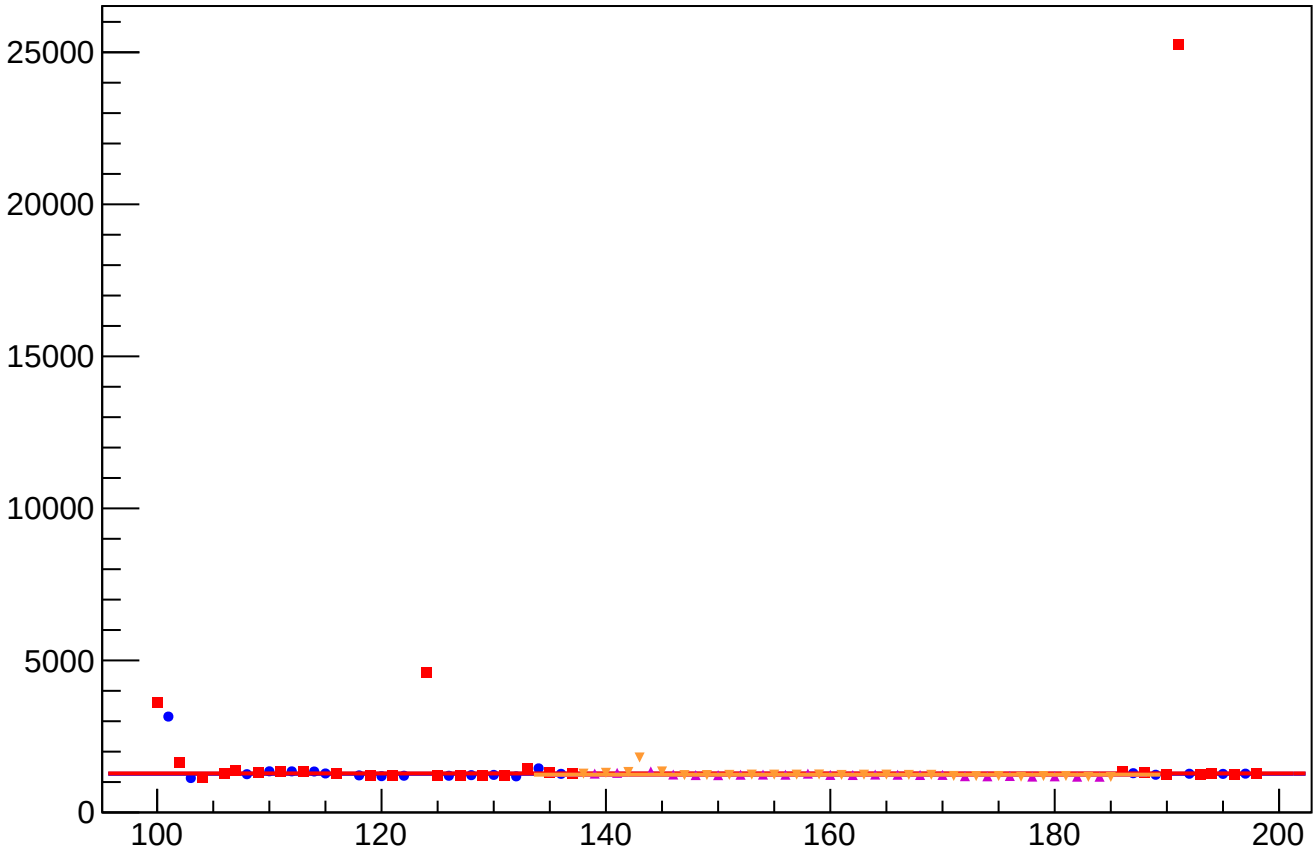
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -193.733+/-269.029 χ^2/NDF: 47.2/47

In: 36.708+/-232.770 χ^2/NDF:35.0/43

Out: -363.320+/-224.282 χ^2/NDF:49.4/51

All: -170.733+/-161.509 χ^2/NDF: 85.9/95



Right In: 1271.232+/-0.279 χ^2/NDF: 520132.6/20

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1283.949+/-0.260 χ^2/NDF: 475260.4/26

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

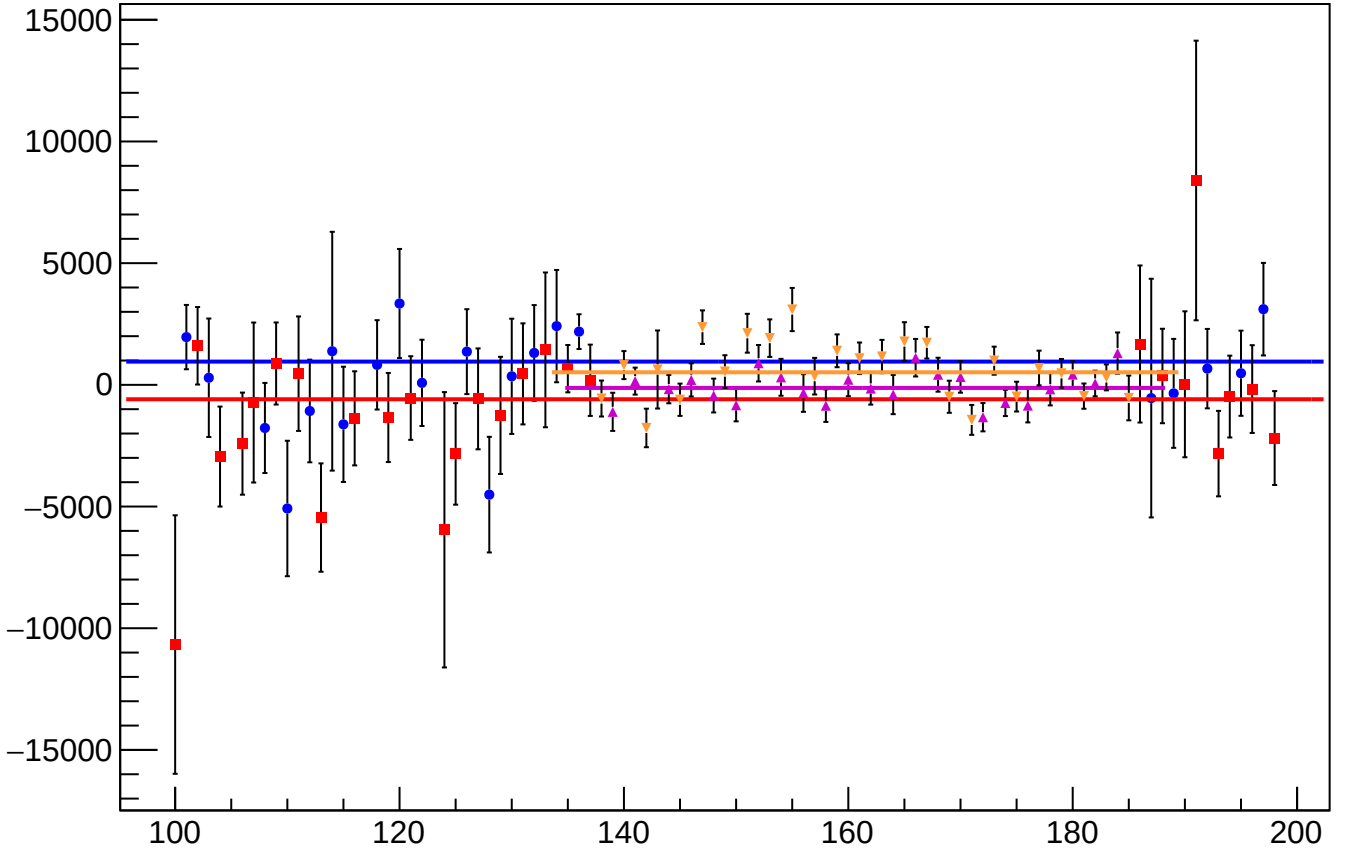
Right: 1278.042+/-0.190 χ^2/NDF: 996504.7/47

In: 1246.786+/-0.165 χ^2/NDF:571175.4/43

Out: 1258.130+/-0.159 χ^2/NDF:694271.1/51

All: 1252.668+/-0.114 χ^2/NDF: 1267909.9/95

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 955.646+/-385.205 χ^2/NDF: 21.7/20

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -591.449+/-380.548 χ^2/NDF: 24.0/26

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

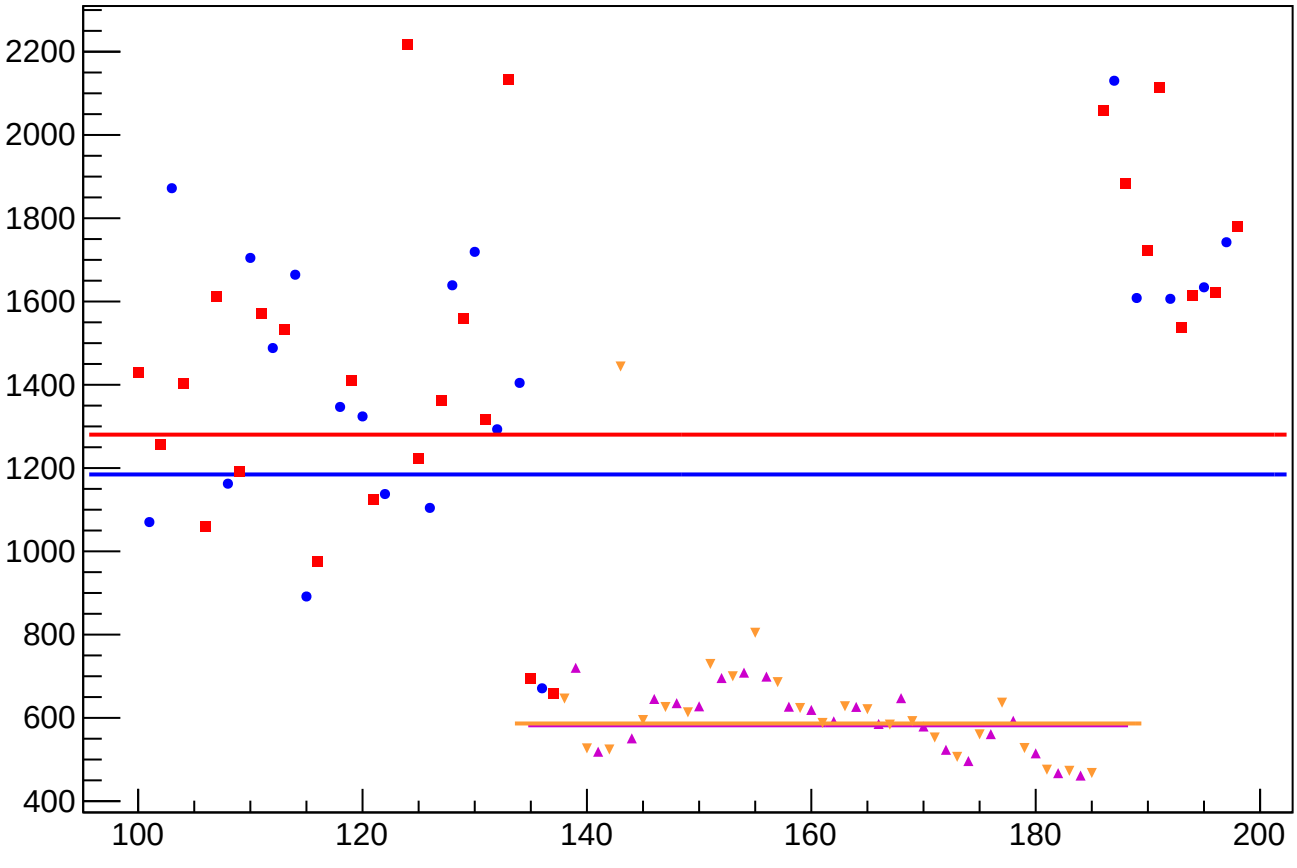
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 172.689+/-270.720 χ^2/NDF: 53.8/47

In: -4.614+/-129.302 χ^2/NDF:50.2/43

Out: 391.709+/-127.856 χ^2/NDF:98.5/51

All: 195.775+/-90.915 χ^2/NDF: 153.5/95



Right In: 1184.650+/-0.272 χ^2/NDF: 2185903.9/20

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1280.283+/-0.269 χ^2/NDF: 2231928.4/26

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

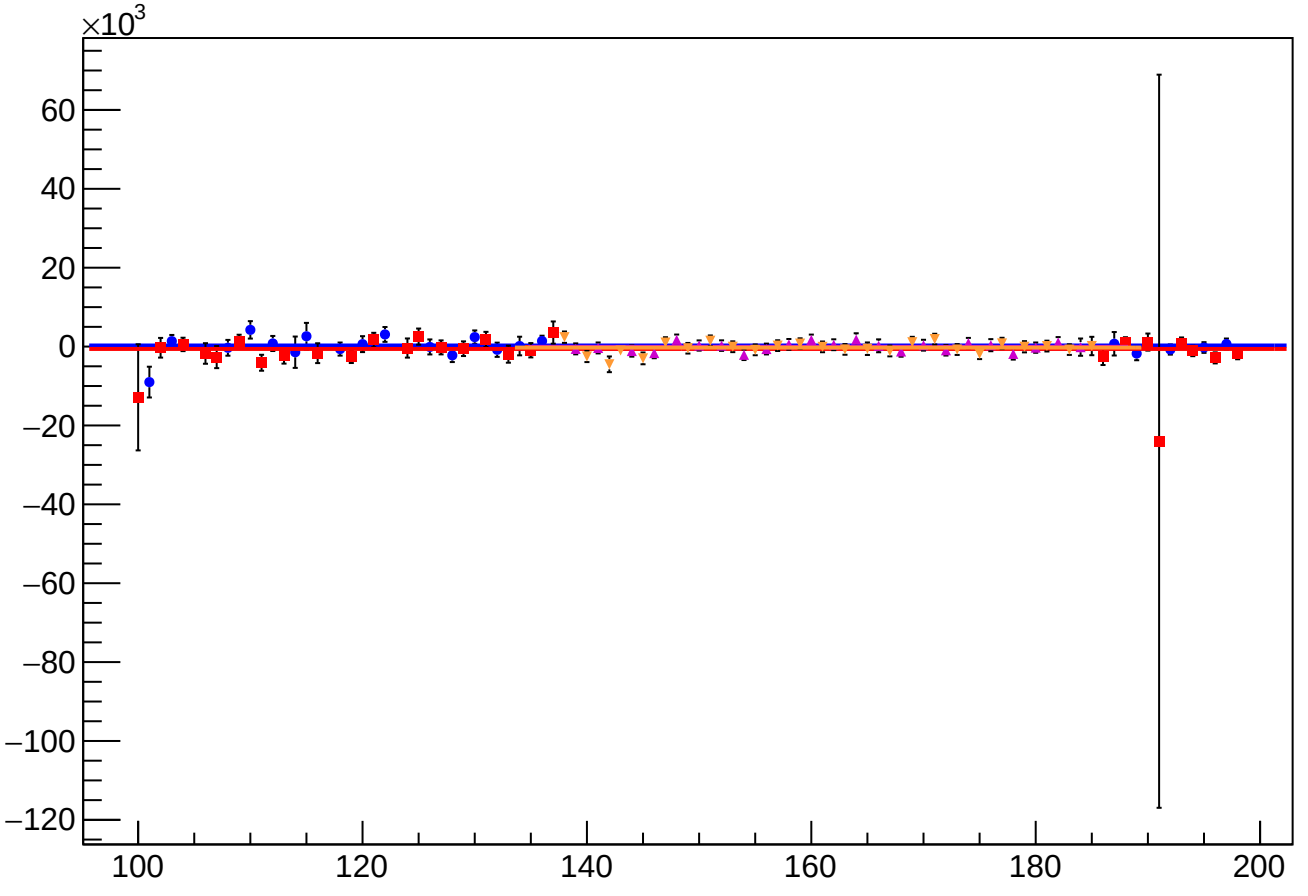
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1233.048+/-0.191 χ^2/NDF: 4480218.2/47

In: 650.070+/-0.091 χ^2/NDF:7086135.1/43

Out: 664.870+/-0.090 χ^2/NDF:9330823.2/51

All: 657.553+/-0.064 χ^2/NDF: 16430207.0/95



Right In: 272.531+/-396.650 χ^2/NDF: 19.8/20

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -598.470+/-366.000 χ^2/NDF: 24.4/26

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

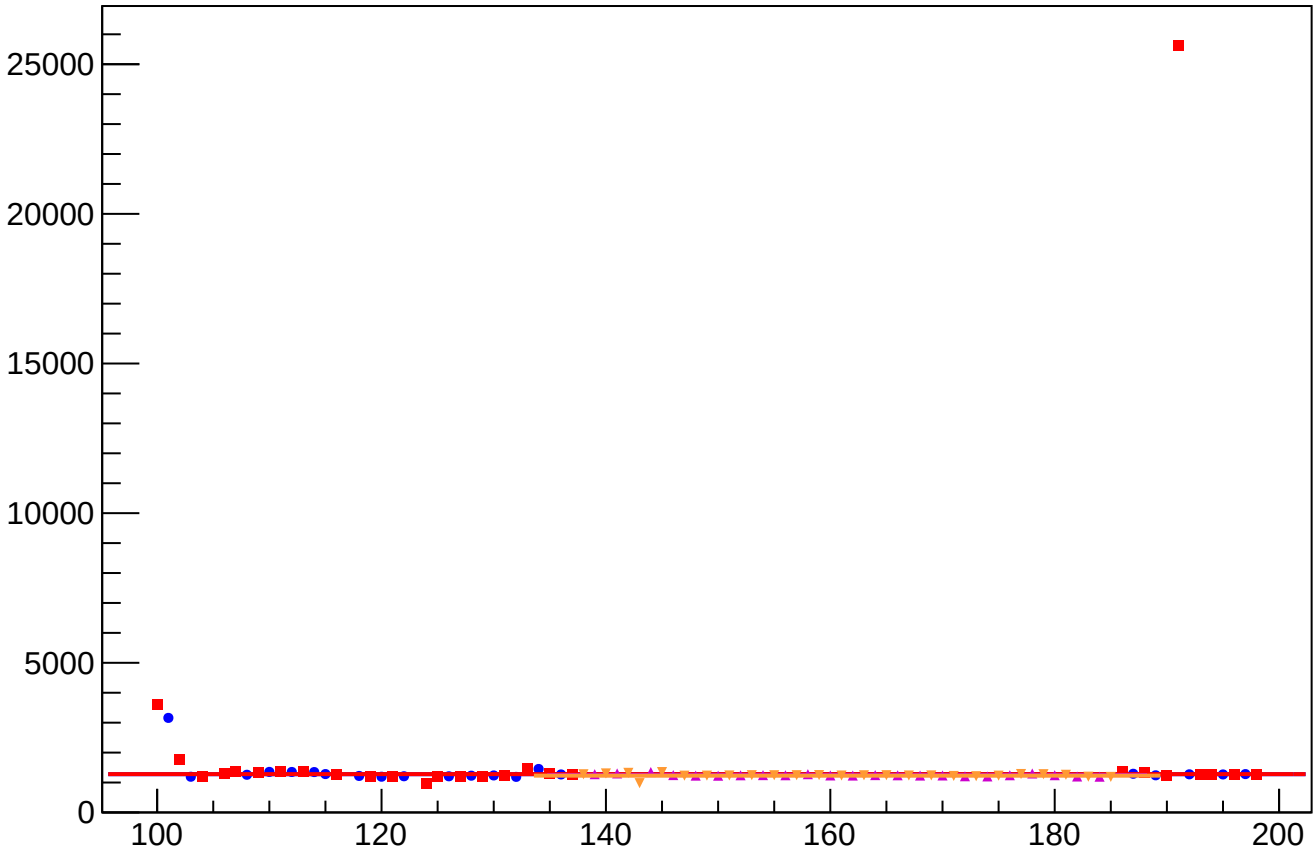
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -197.918+/-268.985 χ^2/NDF: 46.8/47

In: 46.928+/-234.869 χ^2/NDF:34.3/43

Out: -379.143+/-222.347 χ^2/NDF:49.0/51

All: -177.768+/-161.468 χ^2/NDF: 85.0/95



Right In: 1277.765+/-0.280 χ^2/NDF: 508257.2/20

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1280.724+/-0.259 χ^2/NDF: 368645.8/26

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

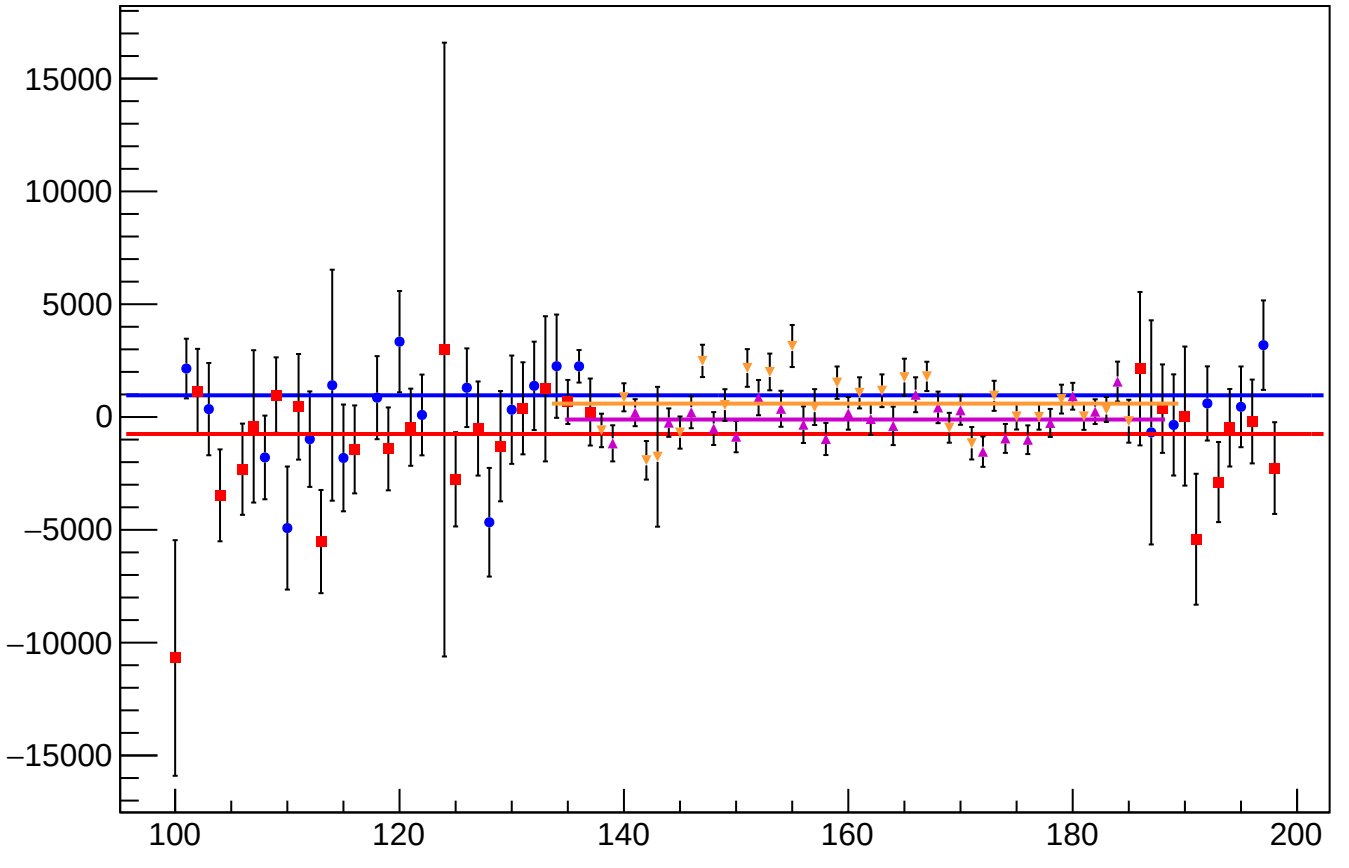
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1279.363+/-0.190 χ^2/NDF: 876963.1/47

In: 1258.297+/-0.166 χ^2/NDF:543017.6/43

Out: 1248.712+/-0.157 χ^2/NDF:534503.4/51

All: 1253.242+/-0.114 χ^2/NDF: 1079277.7/95



Right In: 962.303+/-386.132 χ^2/NDF: 22.3/20

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -751.626+/-384.991 χ^2/NDF: 23.0/26

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

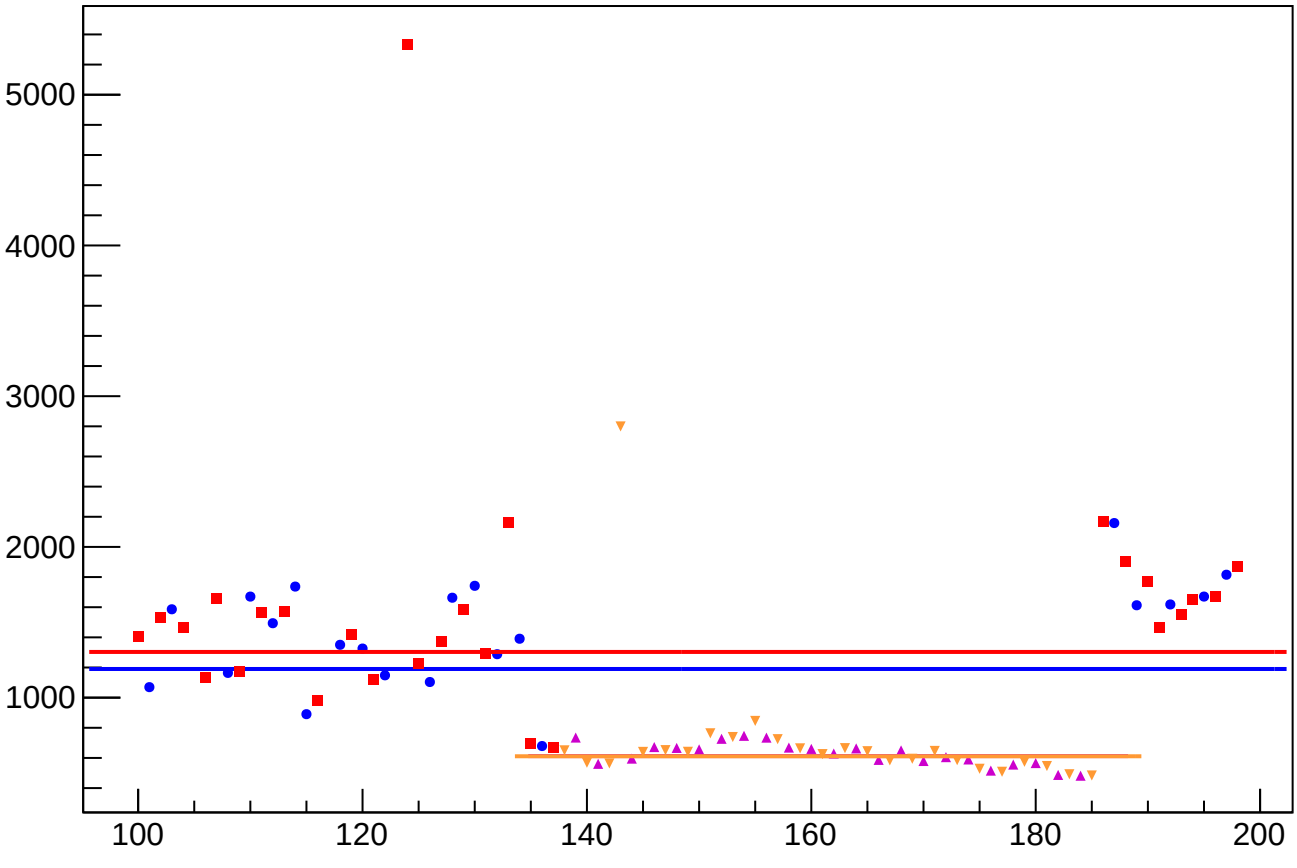
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 102.802+/-272.632 χ^2/NDF: 55.2/47

In: 21.074+/-135.114 χ^2/NDF:54.8/43

Out: 433.478+/-133.334 χ^2/NDF:91.1/51

All: 230.010+/-94.905 χ^2/NDF: 150.6/95



Right In: 1190.182+/-0.273 χ^2/NDF: 2112321.0/20

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1303.250+/-0.272 χ^2/NDF: 2433704.8/26

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

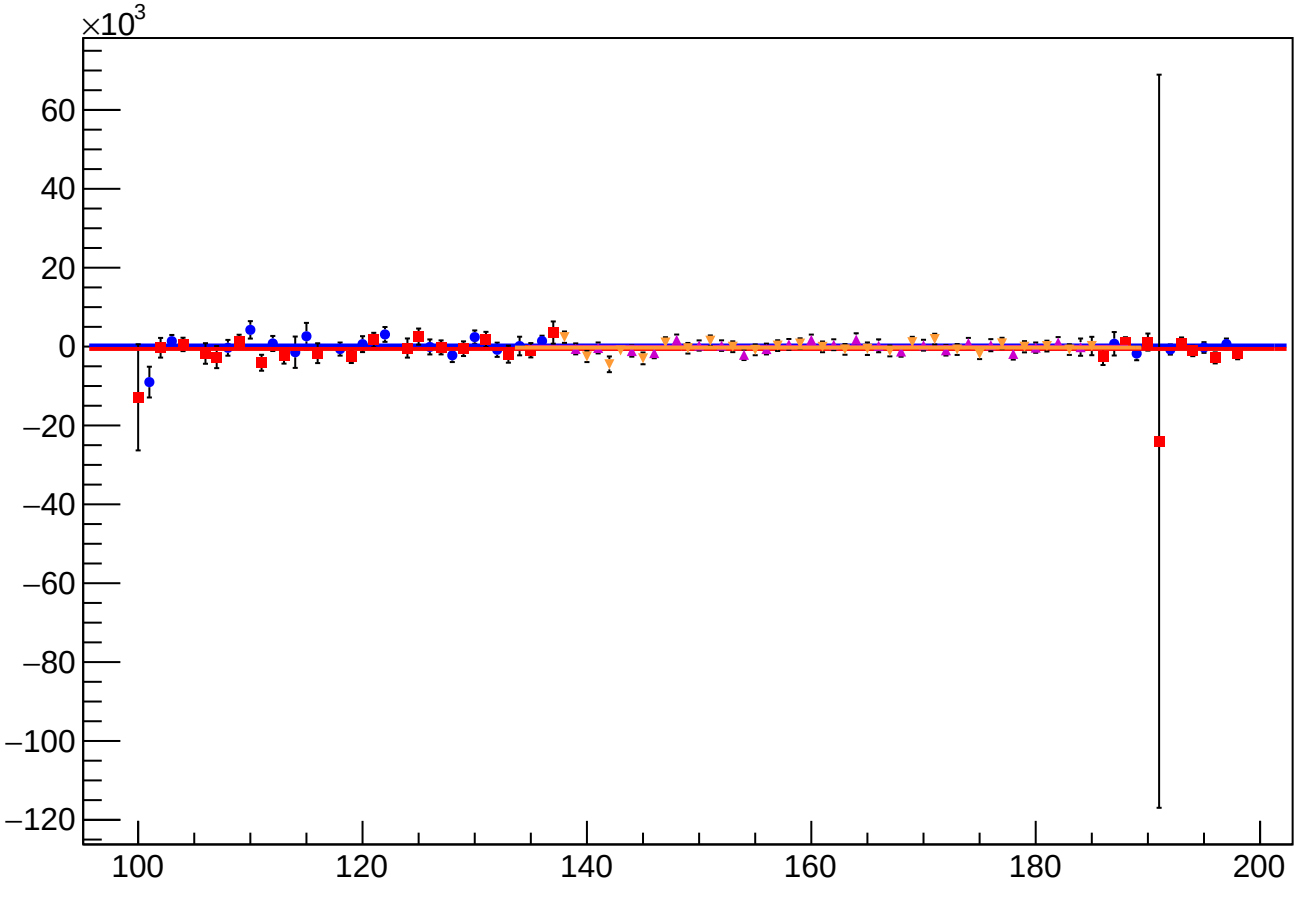
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1246.883+/-0.193 χ^2/NDF: 4632023.3/47

In: 683.144+/-0.096 χ^2/NDF:6550667.1/43

Out: 694.108+/-0.094 χ^2/NDF:9742286.5/51

All: 688.699+/-0.067 χ^2/NDF: 16299626.3/95



Right In: 272.532+/-396.650 χ^2/NDF: 19.8/20

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -598.470+/-366.000 χ^2/NDF: 24.4/26

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

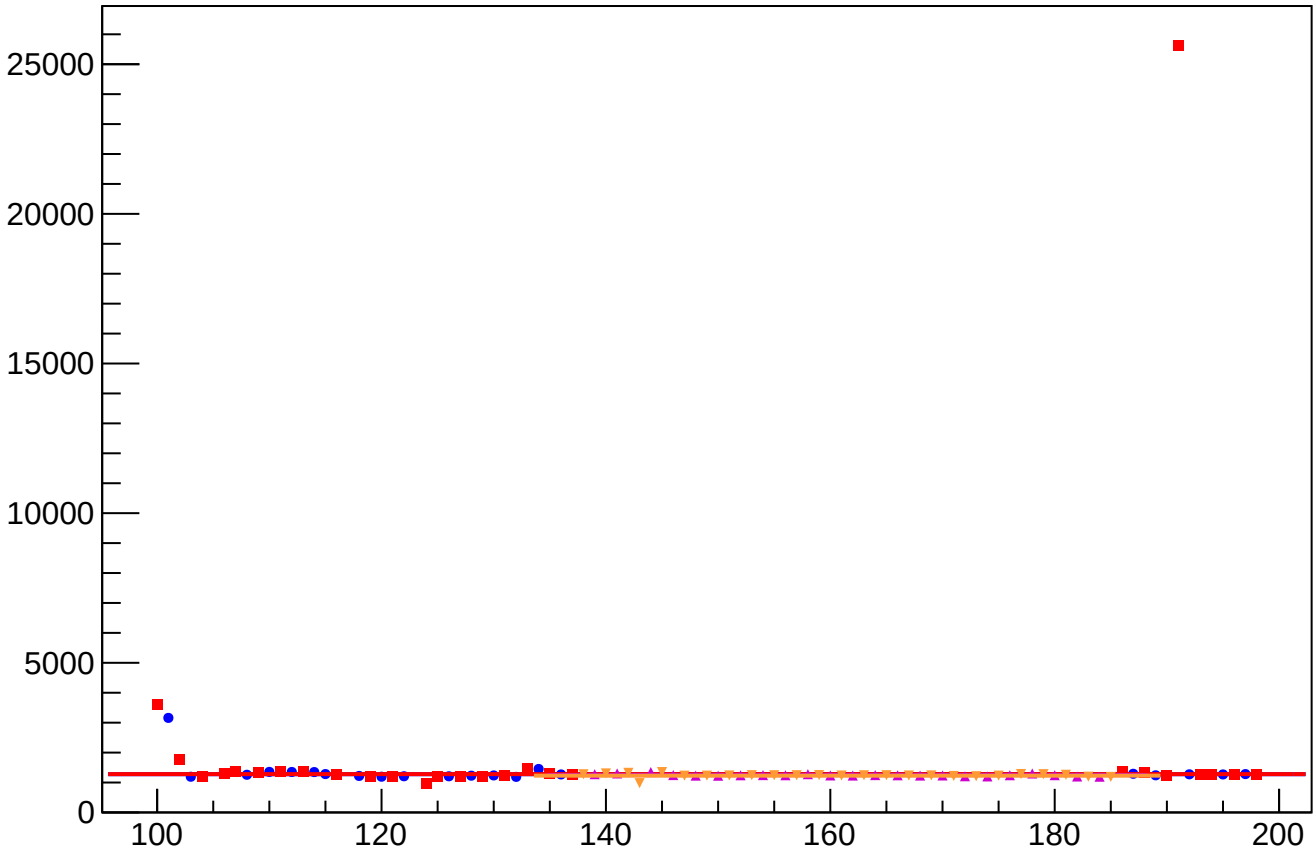
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -197.918+/-268.985 χ^2/NDF: 46.8/47

In: 46.929+/-234.869 χ^2/NDF:34.3/43

Out: -379.144+/-222.347 χ^2/NDF:49.0/51

All: -177.768+/-161.468 χ^2/NDF: 85.0/95



Right In: 1277.765+/-0.280 χ^2/NDF: 508257.4/20

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1280.723+/-0.259 χ^2/NDF: 368645.7/26

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

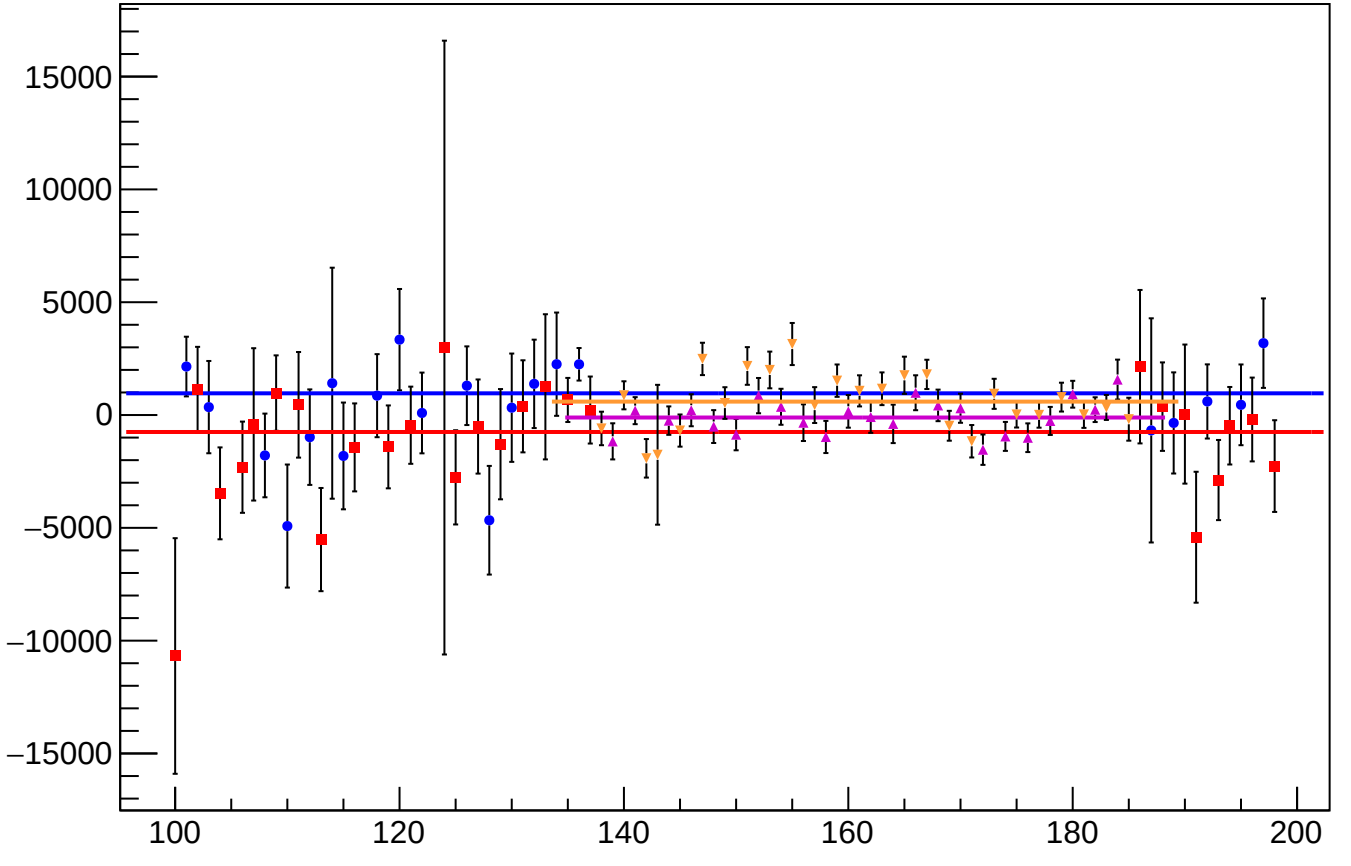
Right: 1279.363+/-0.190 χ^2/NDF: 876963.2/47

In: 1258.297+/-0.166 χ^2/NDF:543017.7/43

Out: 1248.711+/-0.157 χ^2/NDF:534502.3/51

All: 1253.242+/-0.114 χ^2/NDF: 1079276.7/95

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 962.299+/-386.133 χ^2/NDF: 22.3/20

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -751.637+/-384.992 χ^2/NDF: 23.0/26

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

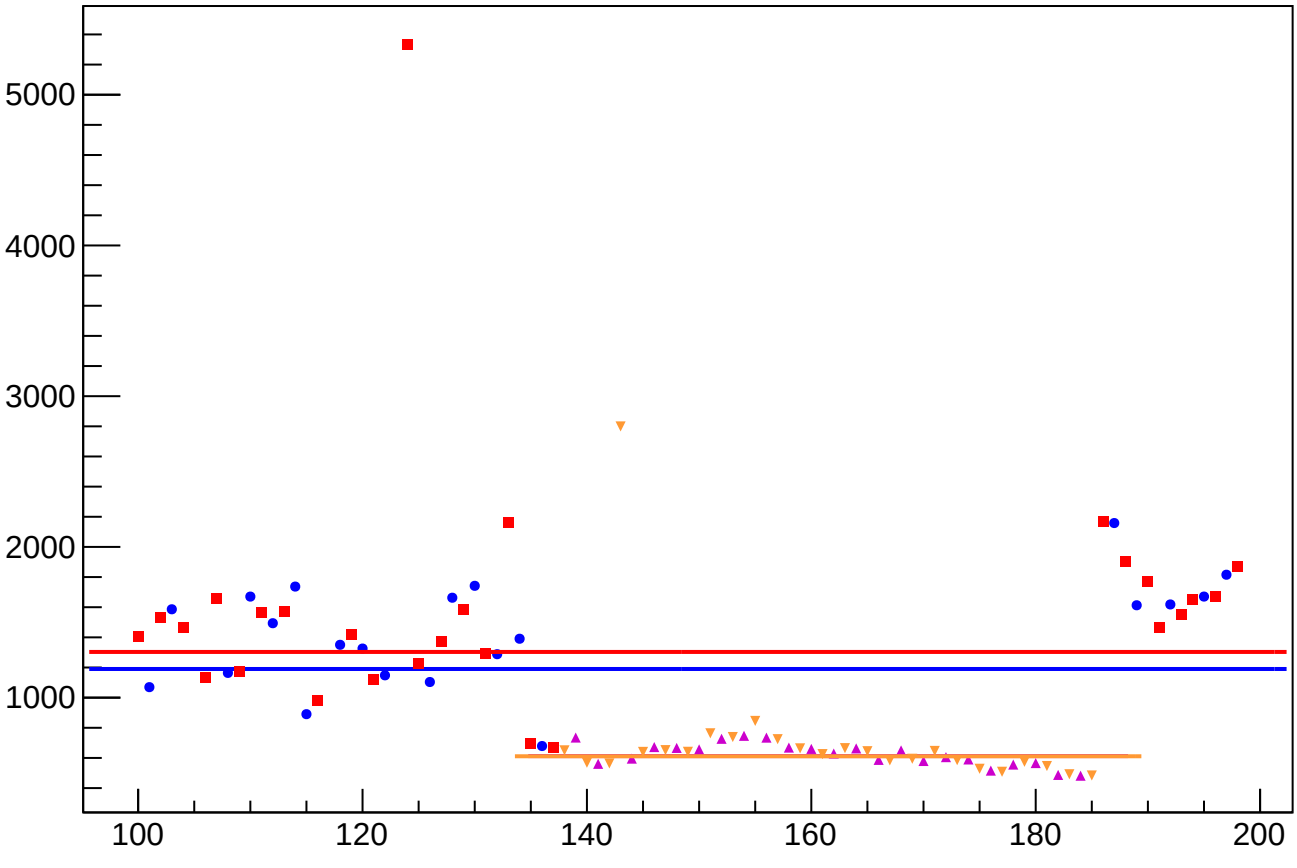
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 102.795+/-272.633 χ^2/NDF: 55.2/47

In: 21.073+/-135.114 χ^2/NDF:54.8/43

Out: 433.478+/-133.334 χ^2/NDF:91.1/51

All: 230.009+/-94.905 χ^2/NDF: 150.6/95



Right In: 1190.188+/-0.273 χ^2/NDF: 2112242.6/20

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1303.256+/-0.272 χ^2/NDF: 2433626.0/26

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

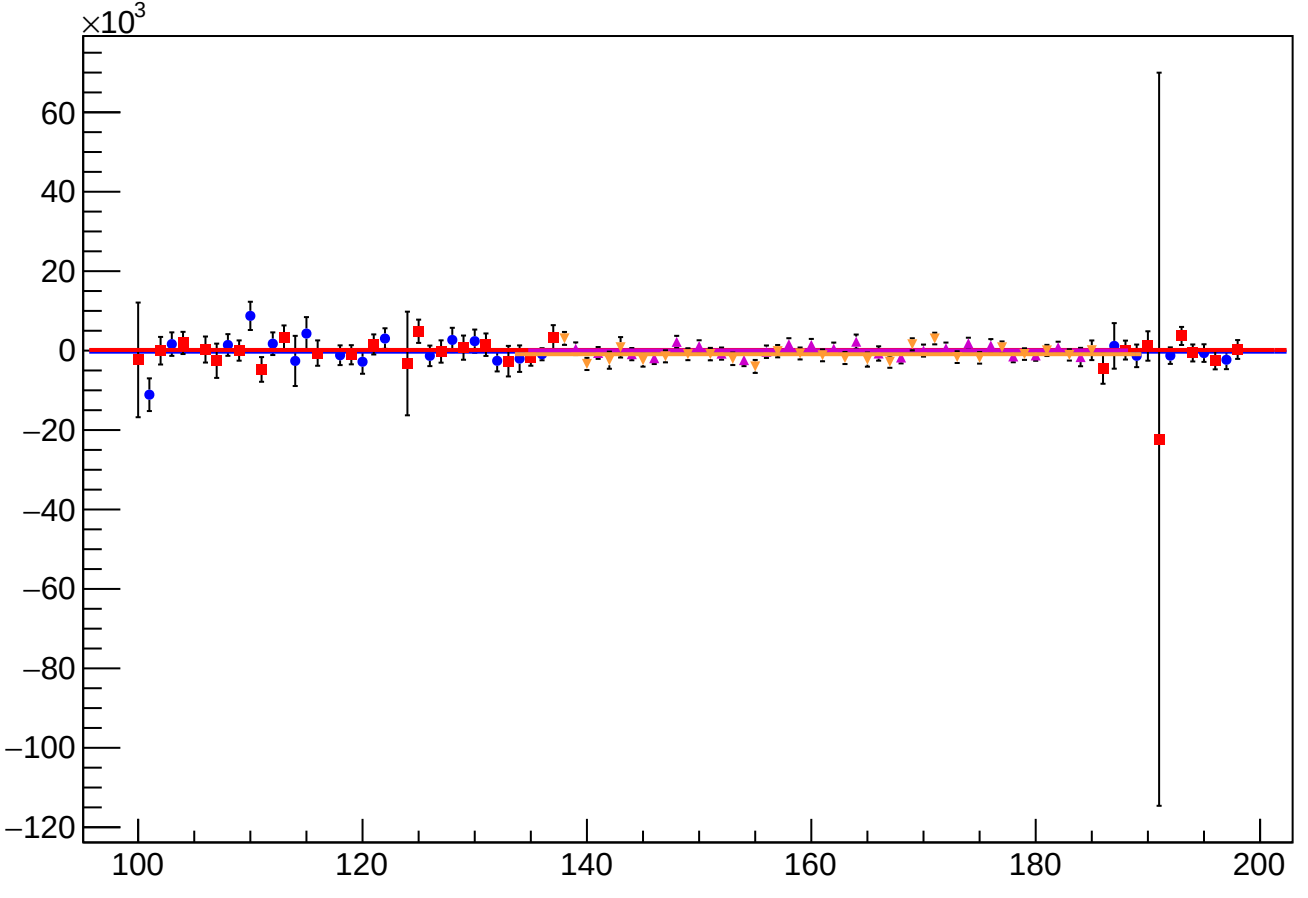
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1246.889+/-0.193 χ^2/NDF: 4631865.9/47

In: 683.143+/-0.096 χ^2/NDF:6550660.2/43

Out: 694.108+/-0.094 χ^2/NDF:9742279.2/51

All: 688.699+/-0.067 χ^2/NDF: 16299612.6/95



Right In: -267.405+/-596.131 χ^2/NDF: 22.8/20

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 164.802+/-564.435 χ^2/NDF: 15.7/26

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

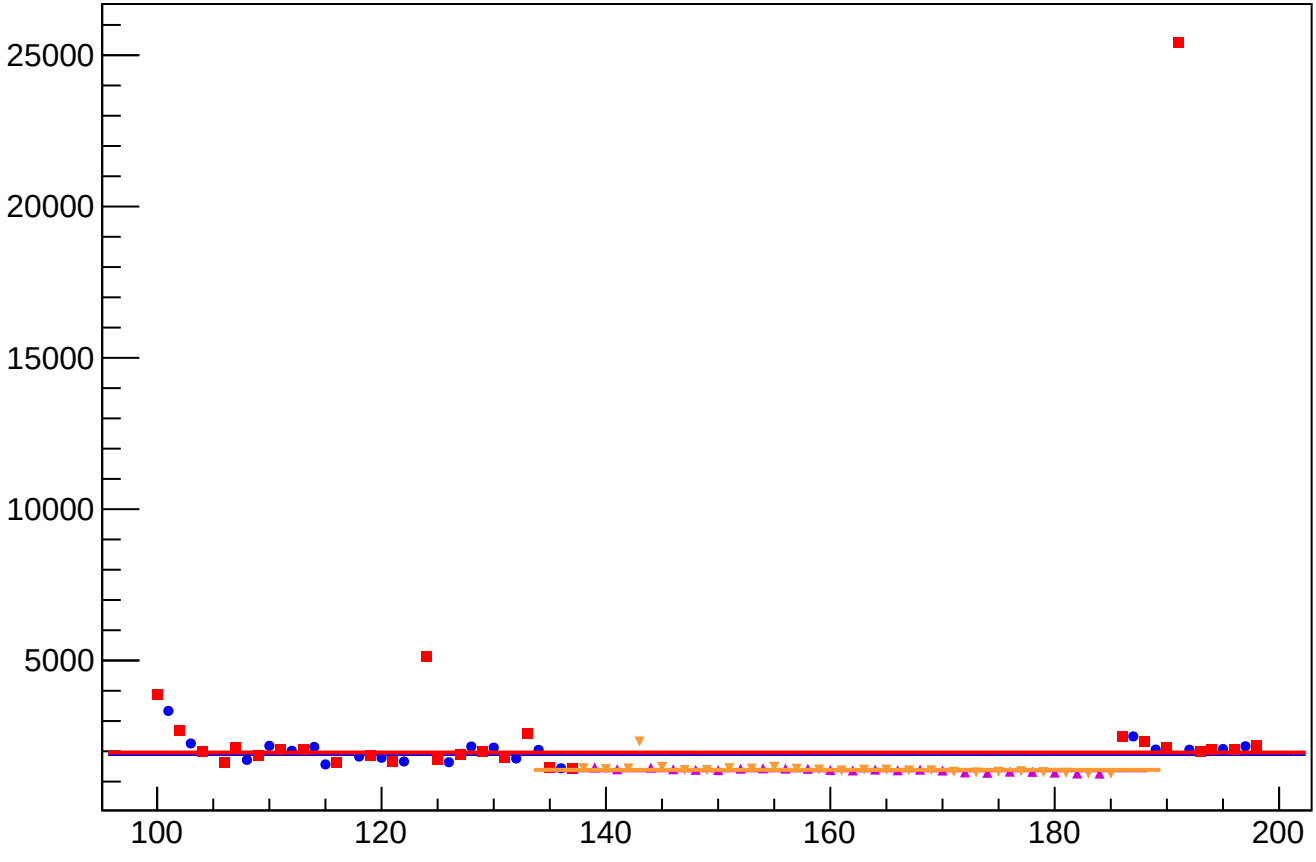
Right: -39.507+/-409.863 χ^2/NDF: 38.8/47

In: -22.734+/-282.581 χ^2/NDF:40.9/43

Out: -645.269+/-276.027 χ^2/NDF:48.3/51

All: -341.304+/-197.457 χ^2/NDF: 91.6/95

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1911.160+/-0.422 χ^2/NDF: 647330.7/20

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1959.803+/-0.399 χ^2/NDF: 809243.5/26

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

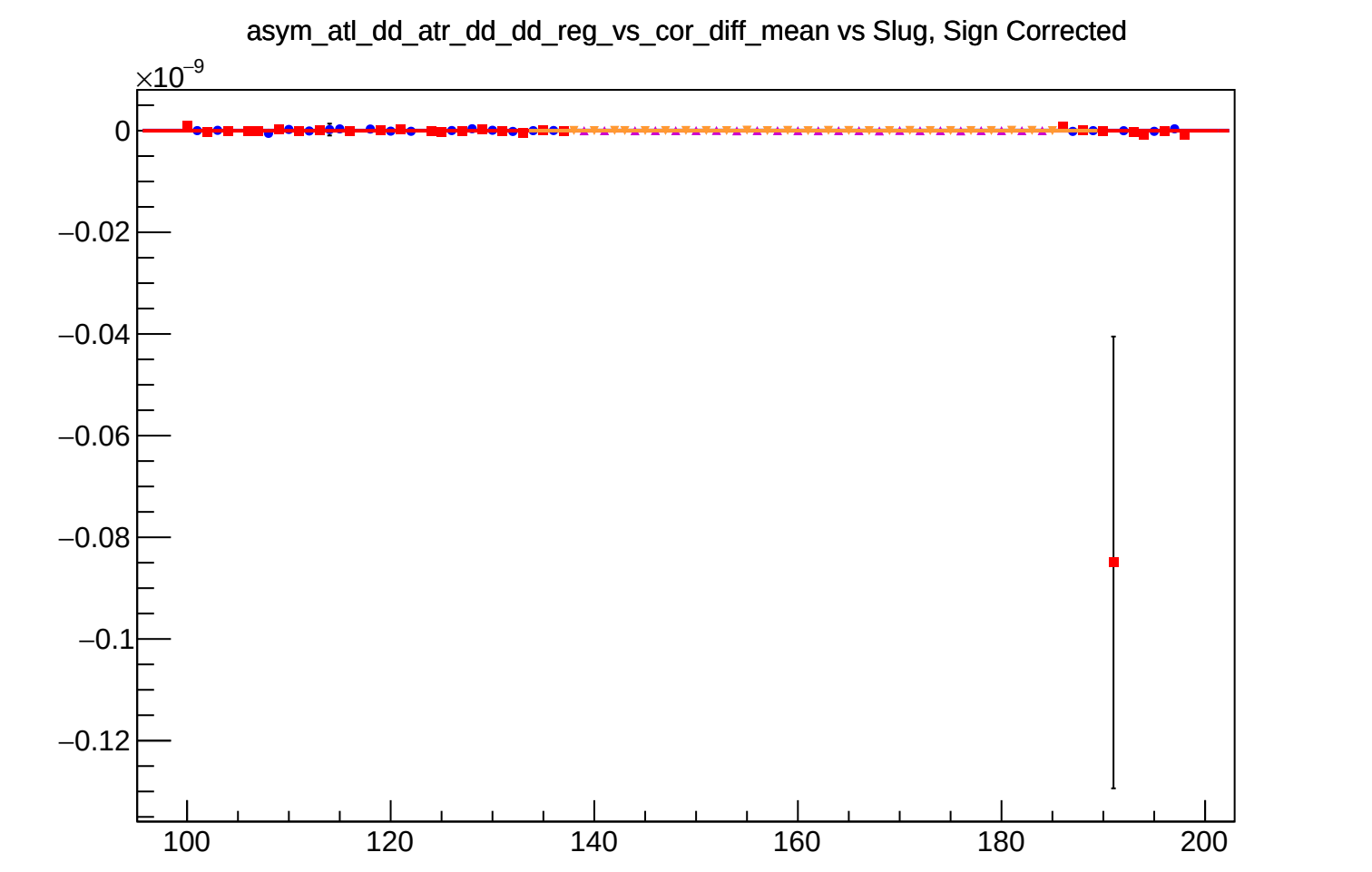
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1936.809+/-0.290 χ^2/NDF: 1463595.7/47

In: 1494.093+/-0.200 χ^2/NDF:1974473.7/43

Out: 1523.871+/-0.195 χ^2/NDF:2717052.9/51

All: 1509.331+/-0.140 χ^2/NDF: 4702891.7/95



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 42.5/26

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

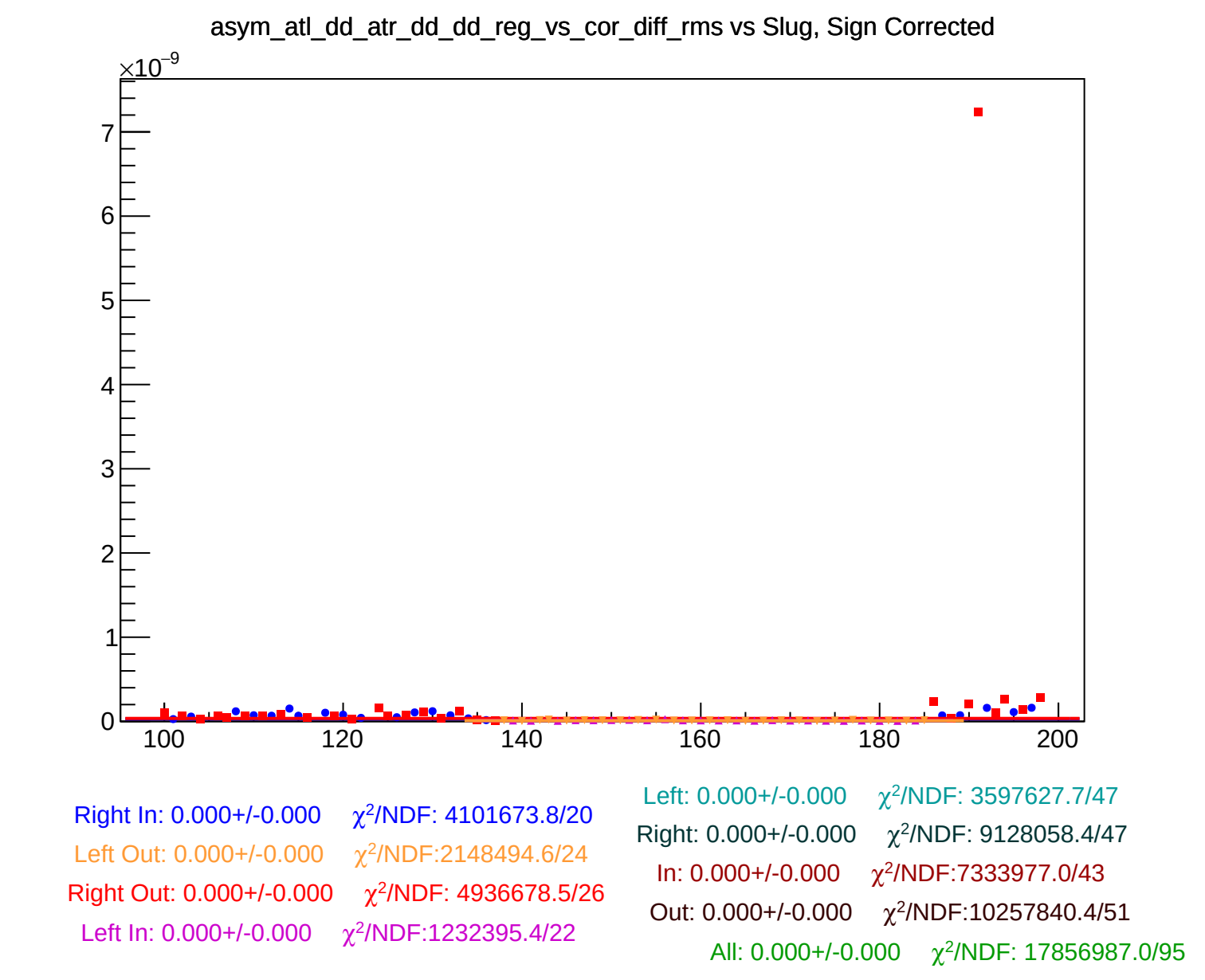
Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

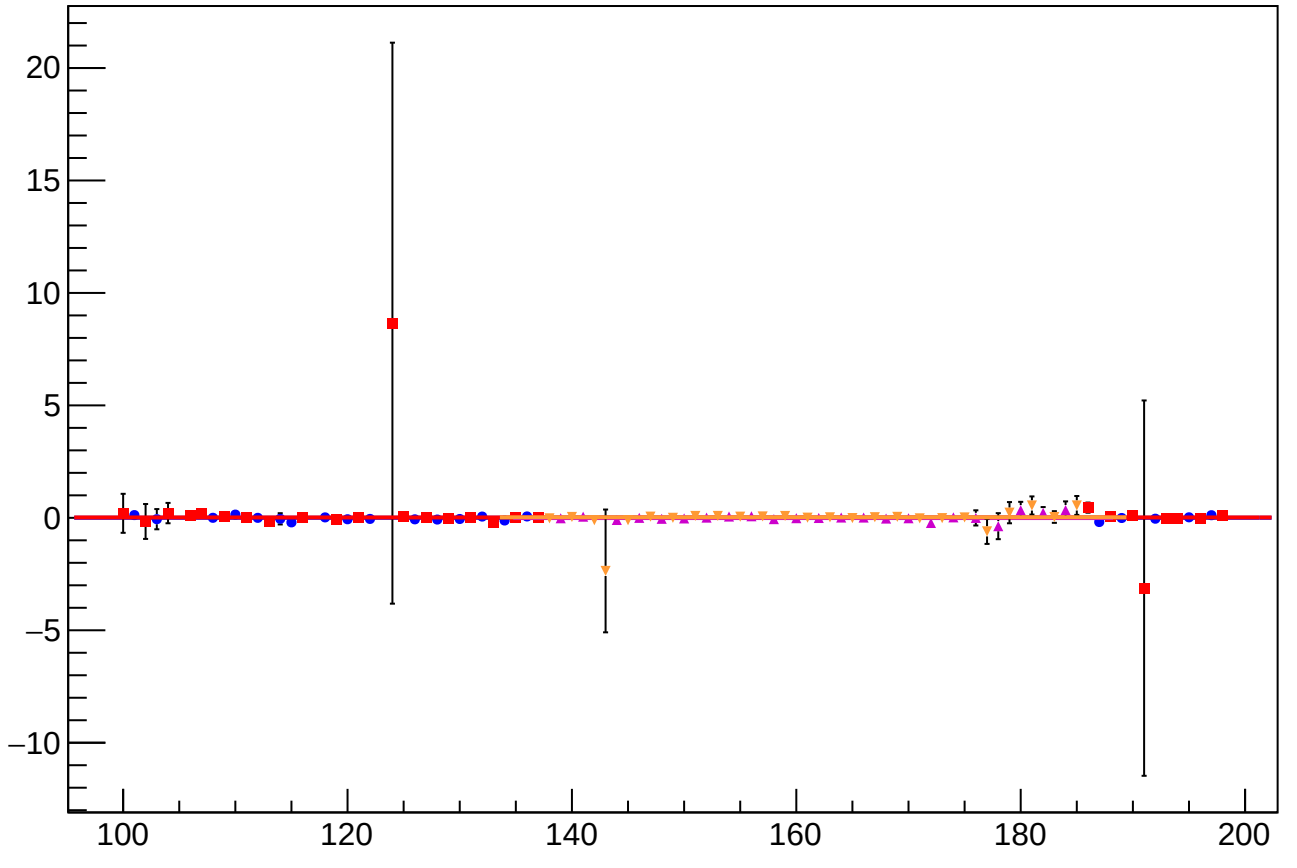
Right: 0.000+/-0.000 χ^2/NDF: 63.8/47

In: 0.000+/-0.000 χ^2/NDF:33.3/43

Out: 0.000+/-0.000 χ^2/NDF:68.9/51

All: 0.000+/-0.000 χ^2/NDF: 102.2/95


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: 4101673.8/20
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 4936678.5/26
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: 9128058.4/47
In: 0.000+/-0.000 χ²/NDF:7333977.0/43
Out: 0.000+/-0.000 χ²/NDF:10257840.4/51
All: 0.000+/-0.000 χ²/NDF: 17856987.0/95



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/20

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.013 χ^2/NDF: 21.4/26

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

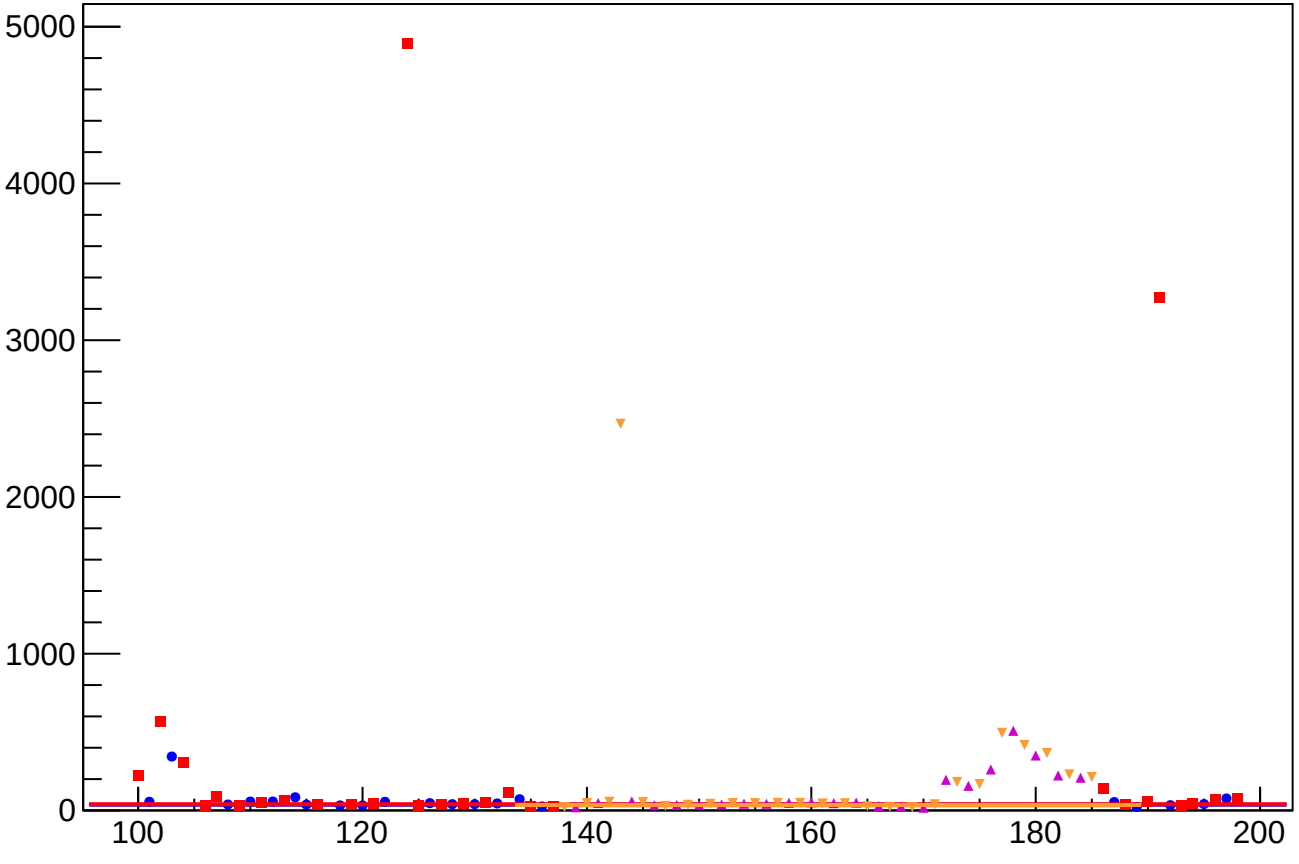
Right: 0.009+/-0.009 χ^2/NDF: 46.6/47

In: -0.005+/-0.008 χ^2/NDF:40.0/43

Out: 0.021+/-0.008 χ^2/NDF:44.4/51

All: 0.008+/-0.006 χ^2/NDF: 89.7/95

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.716+/-0.009 χ^2/NDF: 2670680.1/20

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 39.452+/-0.009 χ^2/NDF: 4693021.8/26

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

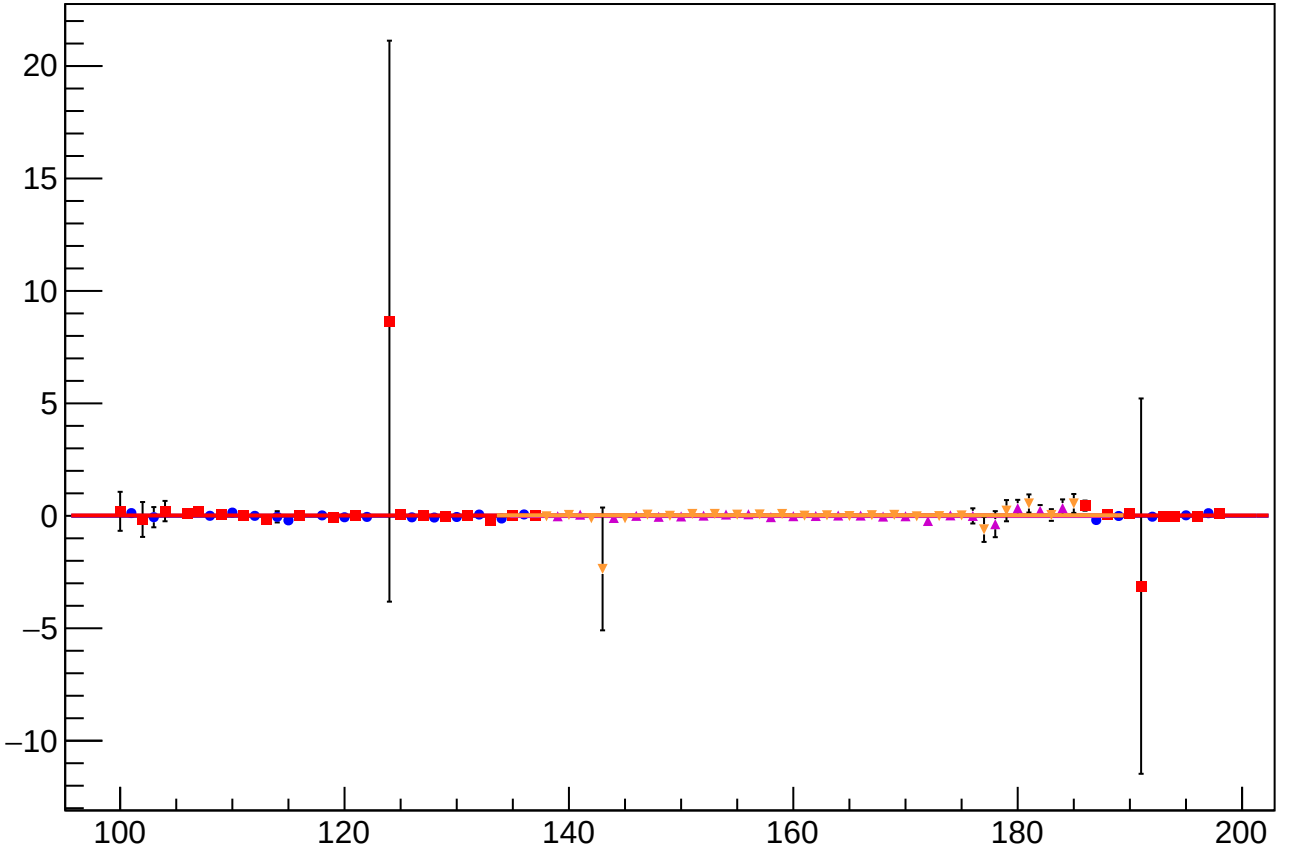
Right: 38.062+/-0.007 χ^2/NDF: 7406133.6/47

In: 34.725+/-0.006 χ^2/NDF:12809776.1/43

Out: 36.398+/-0.006 χ^2/NDF:16260000.5/51

All: 35.543+/-0.004 χ^2/NDF: 29113212.6/95

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: 24.6/20

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.013 χ^2/NDF: 21.4/26

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

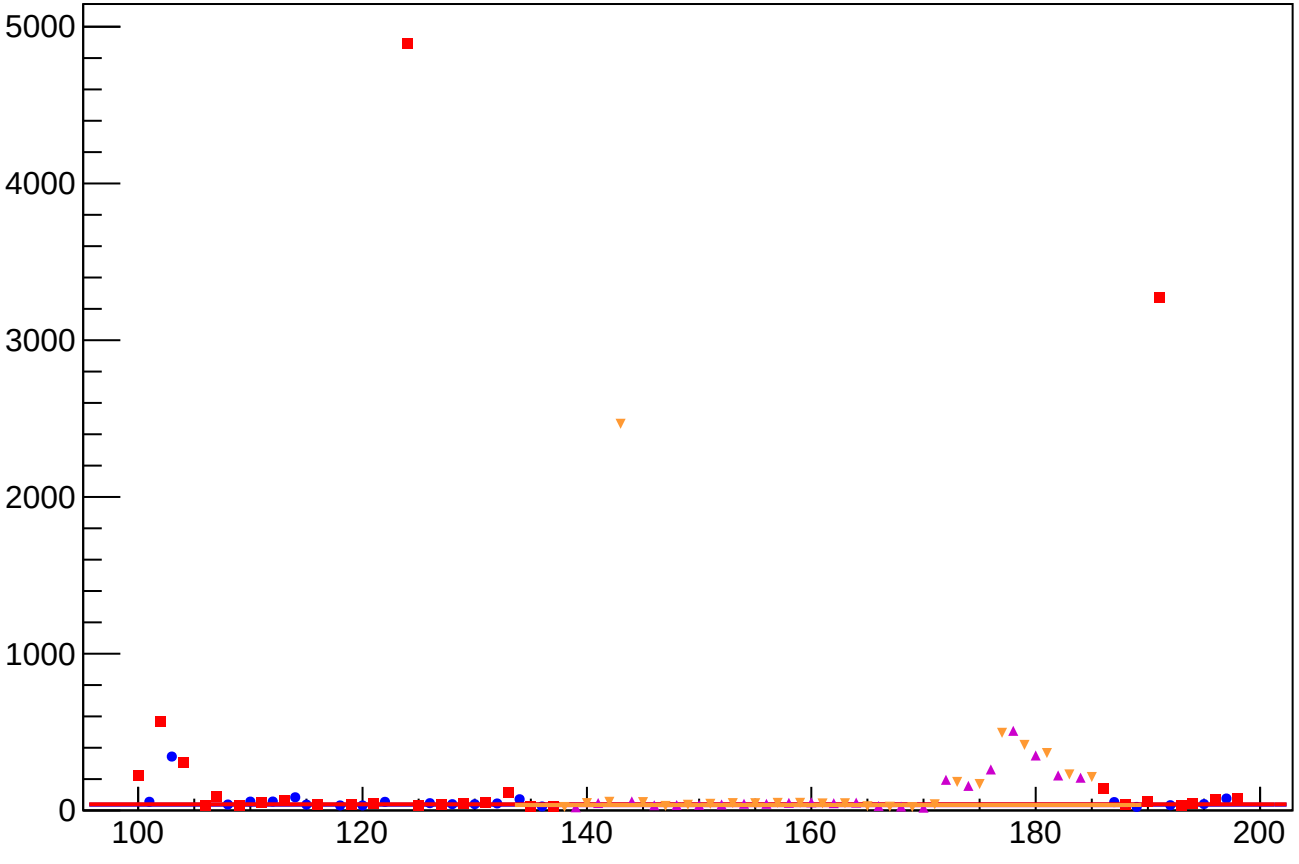
Right: 0.009+/-0.009 χ^2/NDF: 46.6/47

In: -0.005+/-0.008 χ^2/NDF:40.0/43

Out: 0.021+/-0.008 χ^2/NDF:44.4/51

All: 0.008+/-0.006 χ^2/NDF: 89.7/95

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.716+/-0.009 χ^2/NDF: 2670680.1/20

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 39.452+/-0.009 χ^2/NDF: 4693021.8/26

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

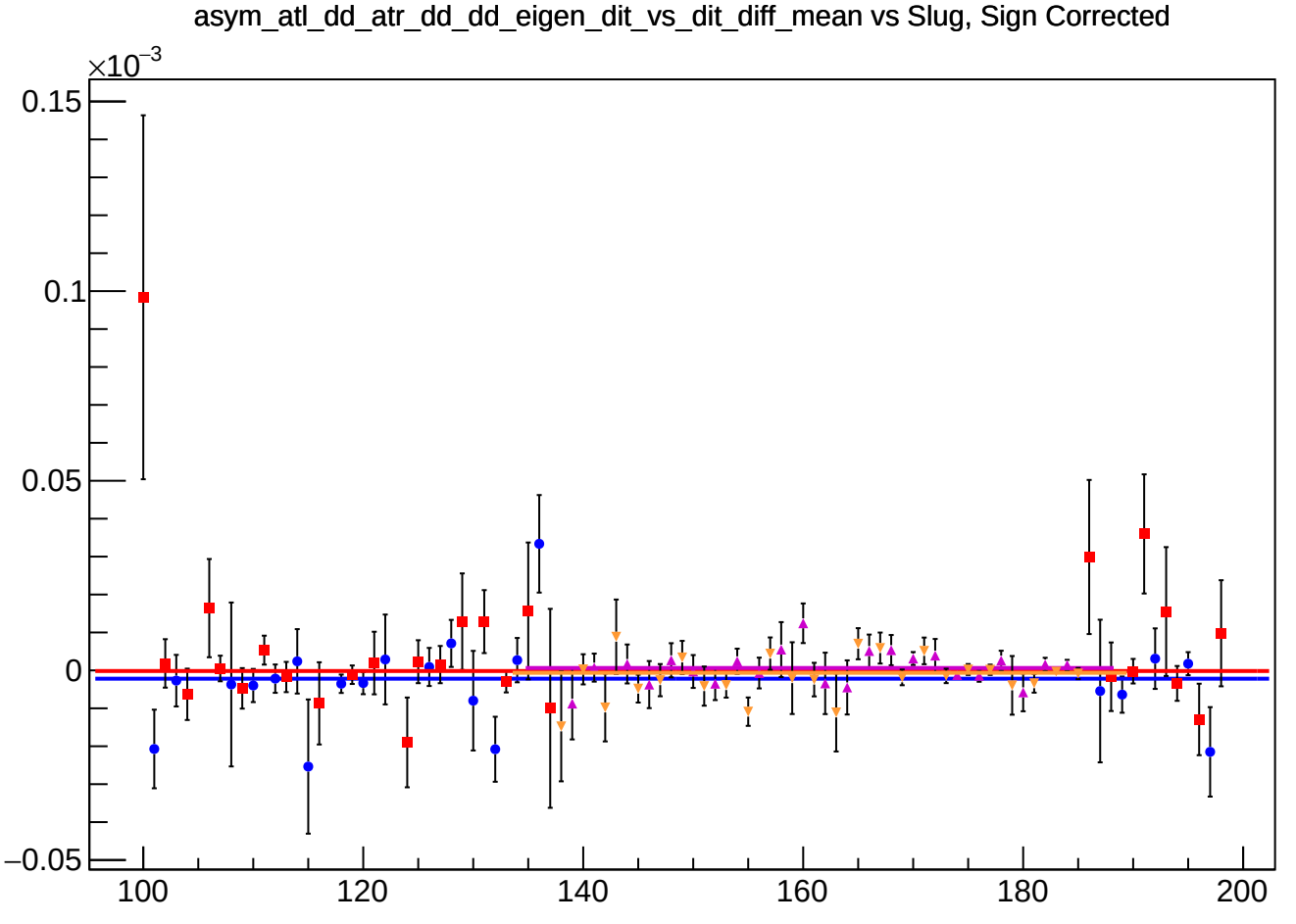
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 38.062+/-0.007 χ^2/NDF: 7406133.6/47

In: 34.725+/-0.006 χ^2/NDF:12809776.1/43

Out: 36.398+/-0.006 χ^2/NDF:16260000.5/51

All: 35.543+/-0.004 χ^2/NDF: 29113212.6/95



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/20

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/26

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

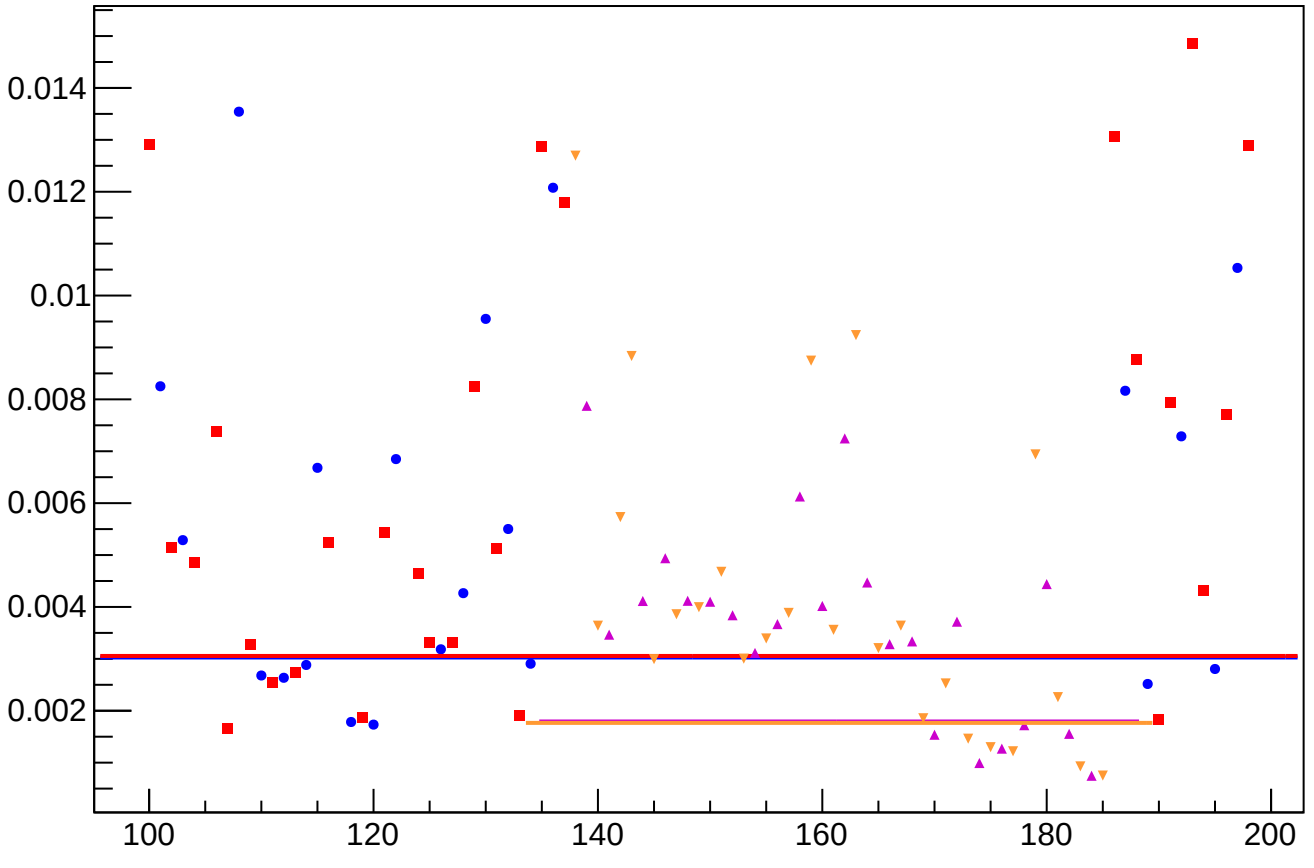
Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

Right: -0.000+/-0.000 χ^2/NDF: 59.3/47

In: 0.000+/-0.000 χ^2/NDF:54.4/43

Out: -0.000+/-0.000 χ^2/NDF:58.6/51

All: -0.000+/-0.000 χ^2/NDF: 114.0/95



Right In: 0.003+/-0.000 χ^2/NDF: 5742320.1/20

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 7780464.4/26

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

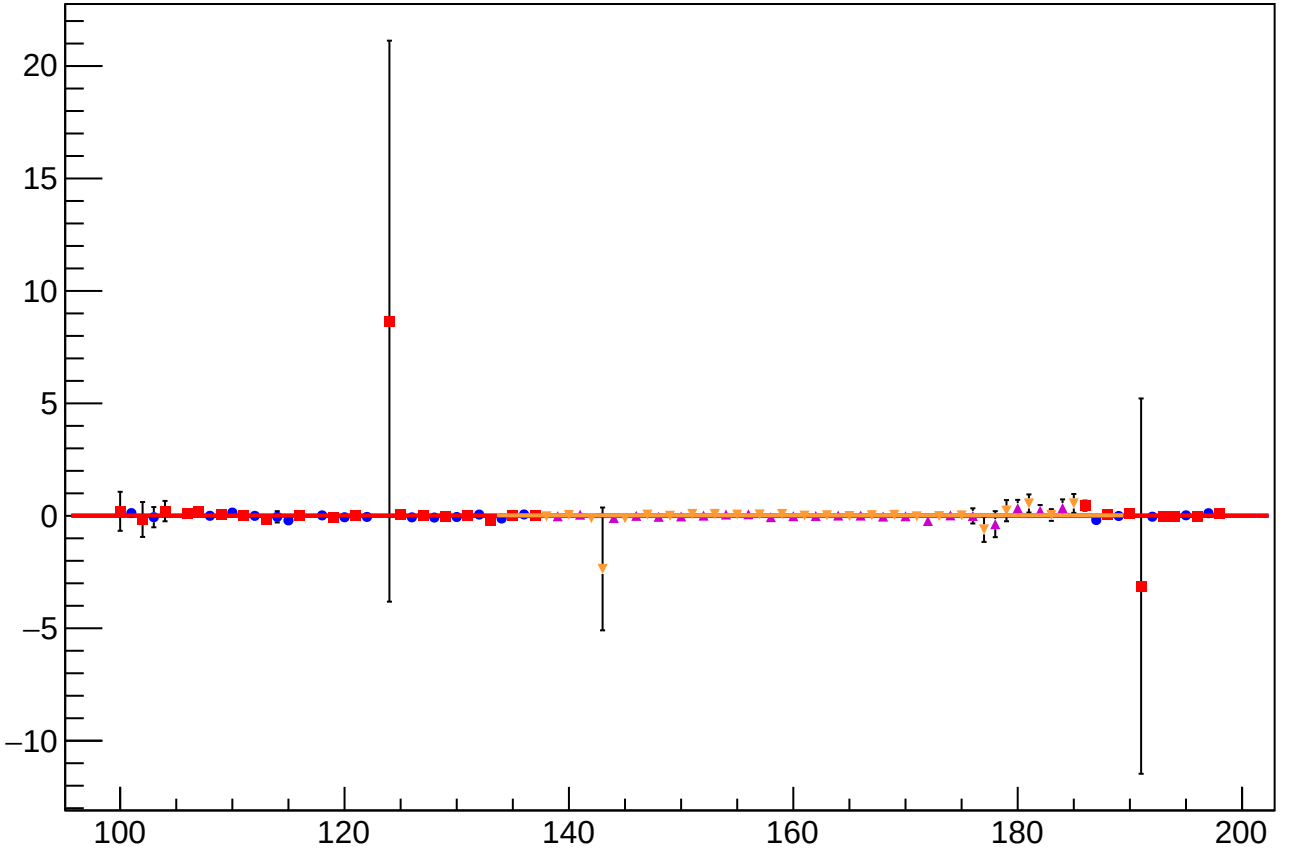
Right: 0.003+/-0.000 χ^2/NDF: 13523503.5/47

In: 0.002+/-0.000 χ^2/NDF:18403950.5/43

Out: 0.002+/-0.000 χ^2/NDF:23142575.8/51

All: 0.002+/-0.000 χ^2/NDF: 41546735.6/95

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: 24.6/20

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.013 χ^2/NDF: 21.4/26

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

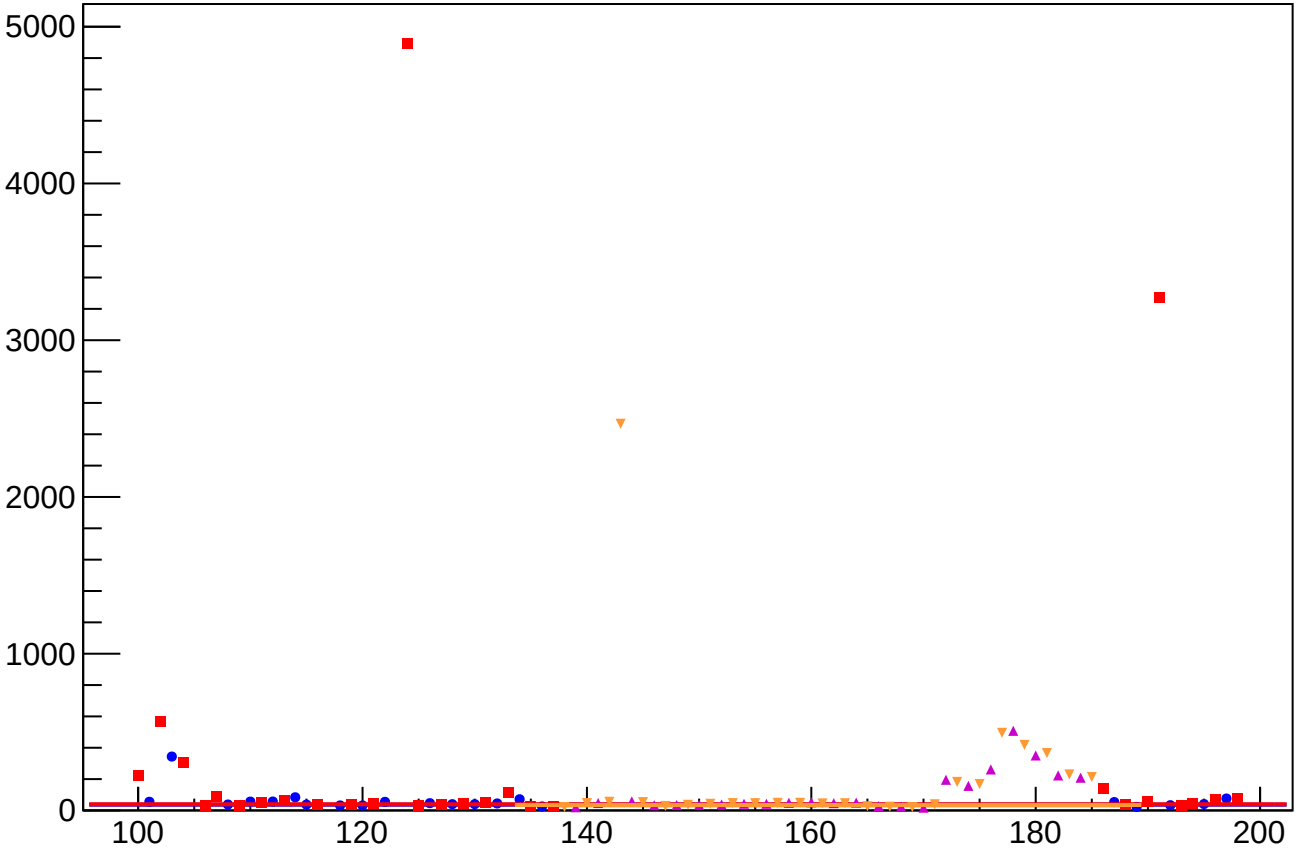
Right: 0.009+/-0.009 χ^2/NDF: 46.6/47

In: -0.005+/-0.008 χ^2/NDF:40.0/43

Out: 0.021+/-0.008 χ^2/NDF:44.4/51

All: 0.008+/-0.006 χ^2/NDF: 89.7/95

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.718+/-0.009 χ^2/NDF: 2669928.9/20

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 39.453+/-0.009 χ^2/NDF: 4692771.9/26

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

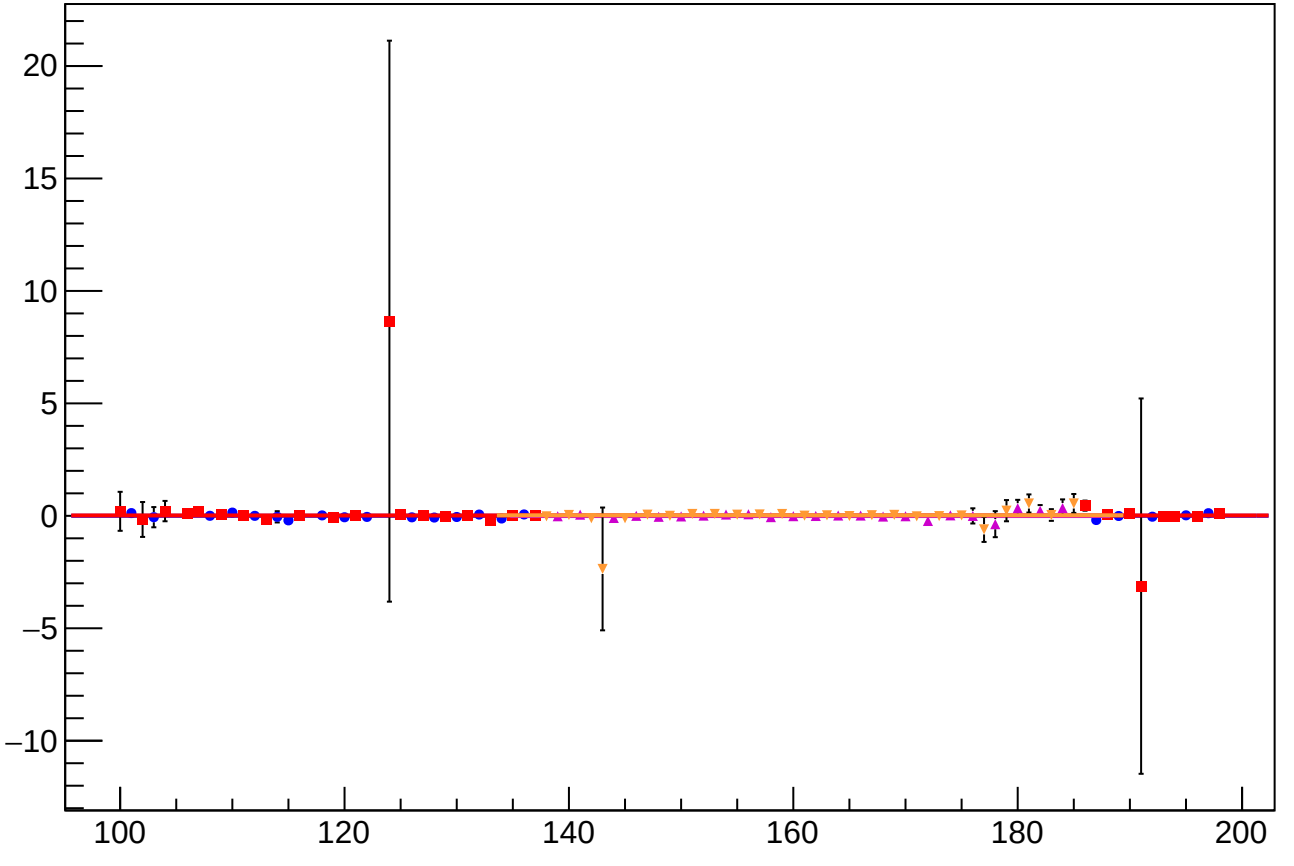
Right: 38.063+/-0.007 χ^2/NDF: 7405084.6/47

In: 34.727+/-0.006 χ^2/NDF:12807744.9/43

Out: 36.397+/-0.006 χ^2/NDF:16259977.9/51

All: 35.544+/-0.004 χ^2/NDF: 29111019.5/95

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: 24.6/20

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.013 χ^2/NDF: 21.4/26

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

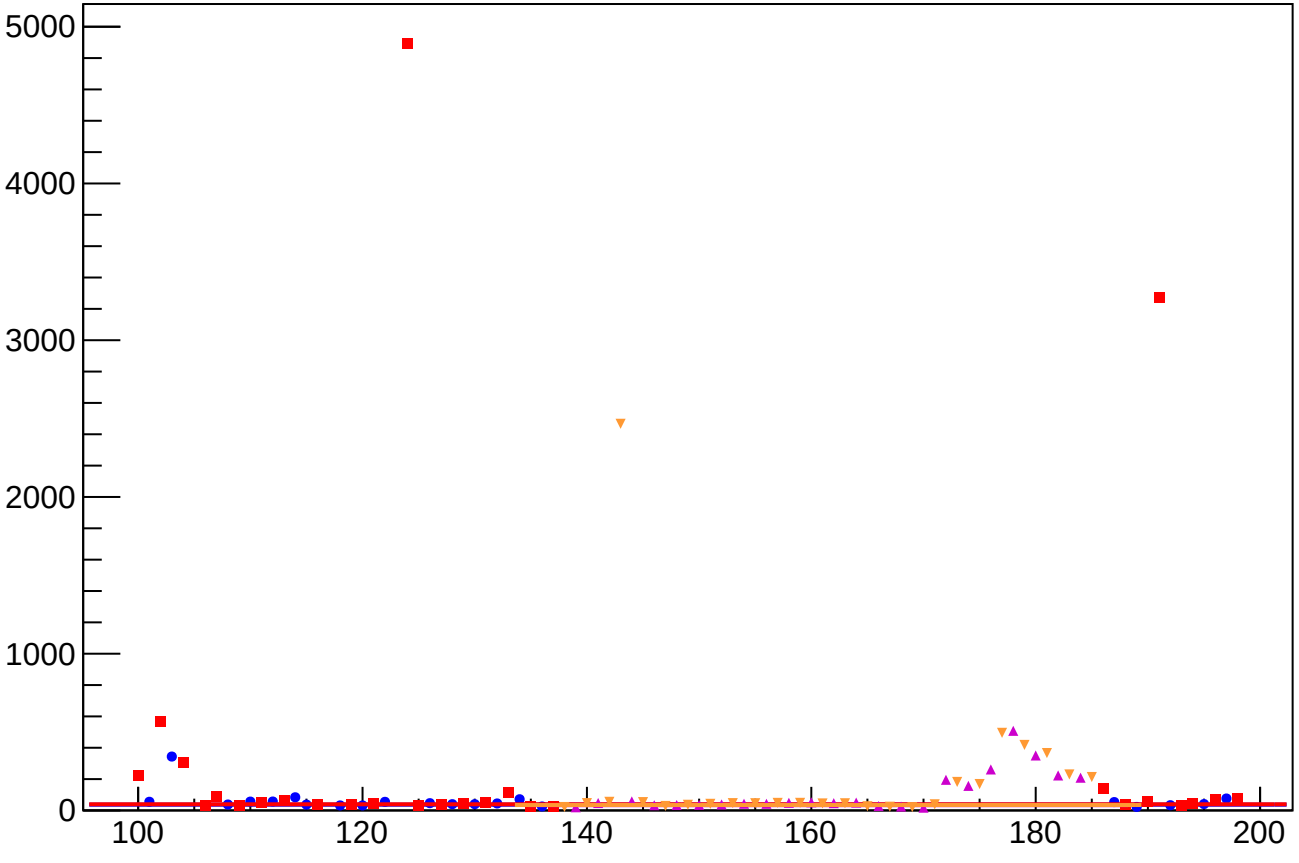
Right: 0.009+/-0.009 χ^2/NDF: 46.6/47

In: -0.005+/-0.008 χ^2/NDF:40.0/43

Out: 0.021+/-0.008 χ^2/NDF:44.4/51

All: 0.008+/-0.006 χ^2/NDF: 89.7/95

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.718+/-0.009 χ^2/NDF: 2669928.9/20

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 39.453+/-0.009 χ^2/NDF: 4692771.9/26

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

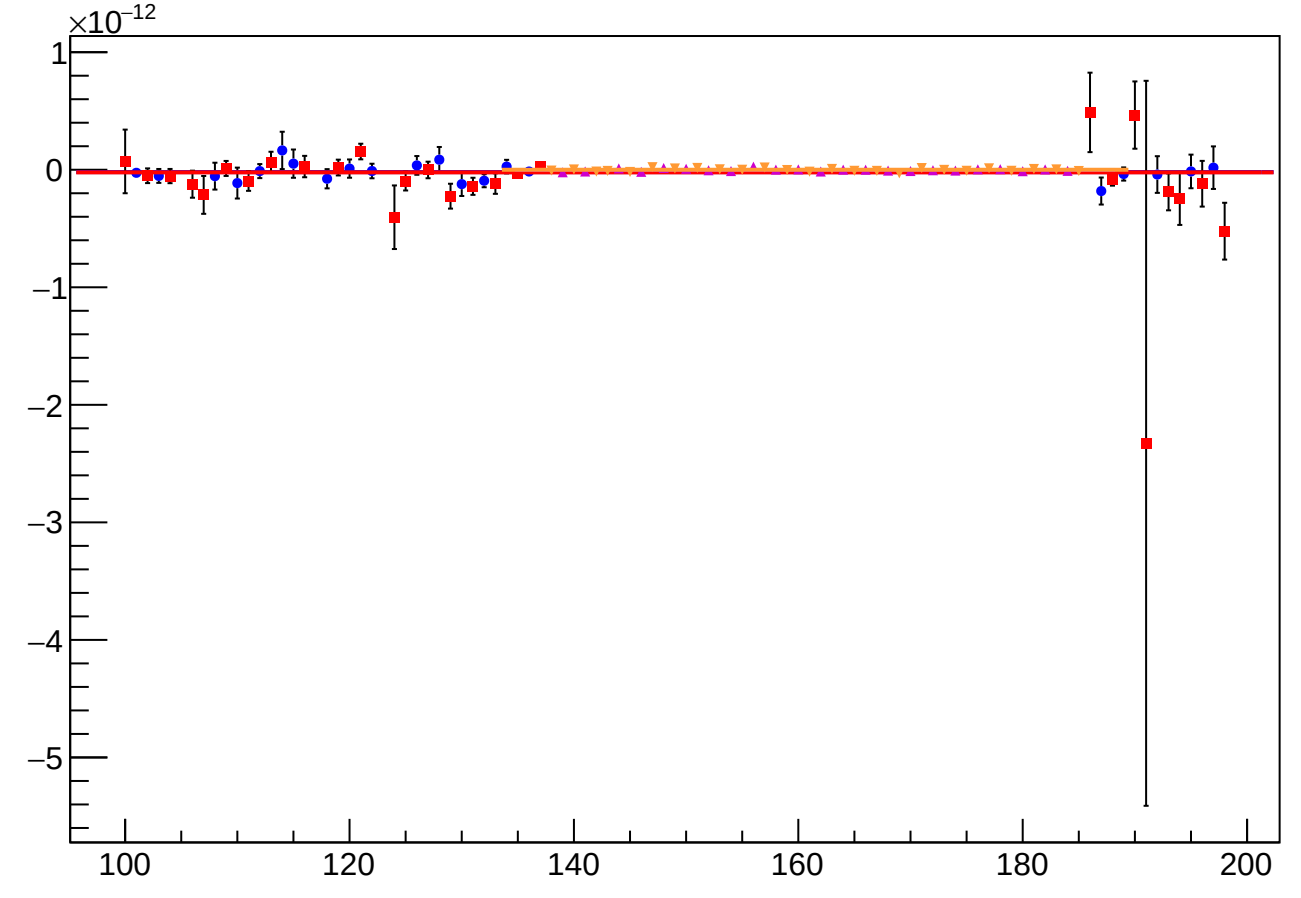
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 38.063+/-0.007 χ^2/NDF: 7405084.6/47

In: 34.727+/-0.006 χ^2/NDF:12807744.9/43

Out: 36.397+/-0.006 χ^2/NDF:16259977.9/51

All: 35.544+/-0.004 χ^2/NDF: 29111019.5/95



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/20

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 41.4/26

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

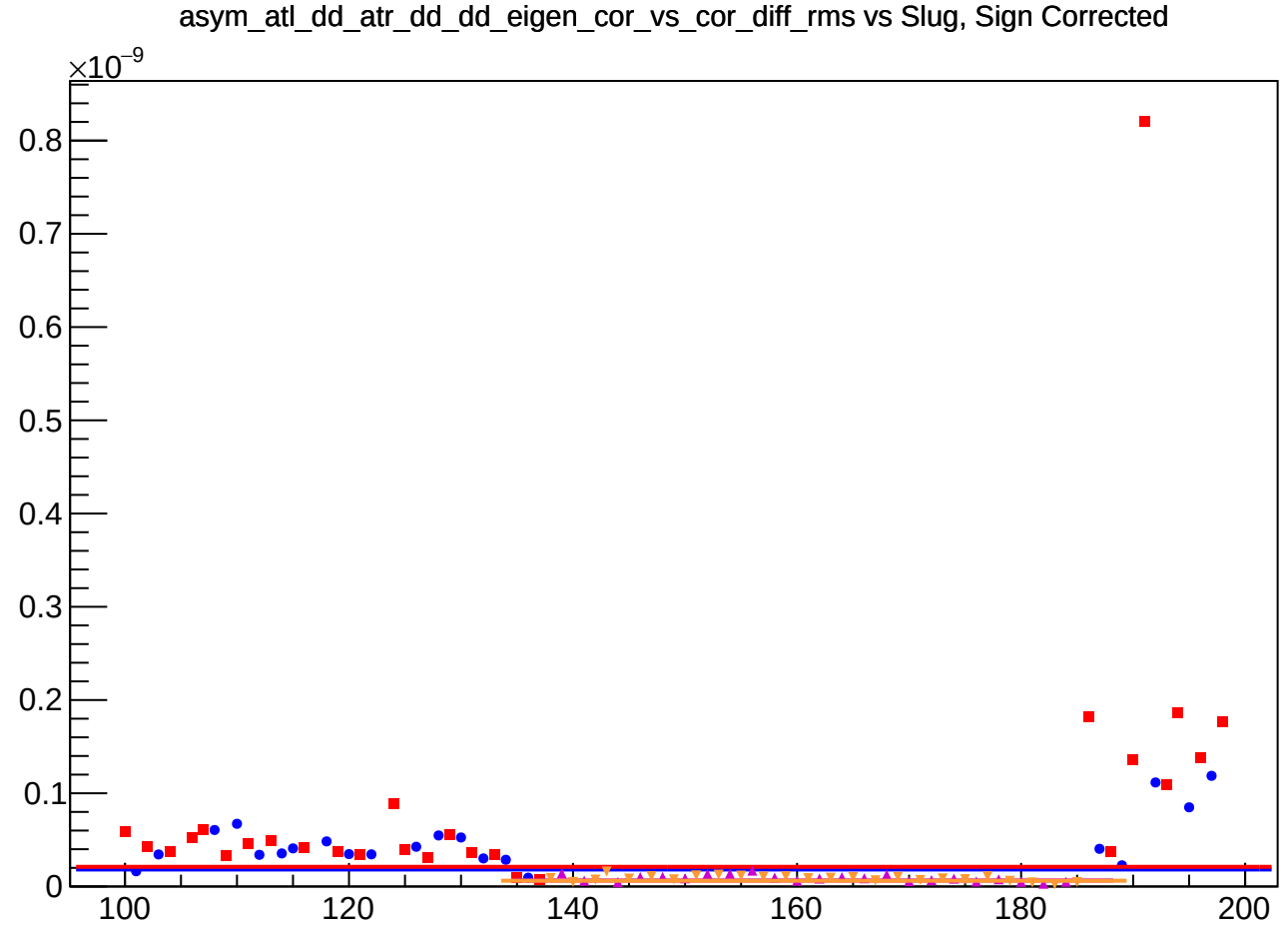
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

Right: -0.000+/-0.000 χ^2/NDF: 51.9/47

In: -0.000+/-0.000 χ^2/NDF:33.6/43

Out: -0.000+/-0.000 χ^2/NDF:71.5/51

All: -0.000+/-0.000 χ^2/NDF: 105.6/95



Right In: 0.000+/-0.000 χ^2/NDF: 5095789.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8201798.2/26

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

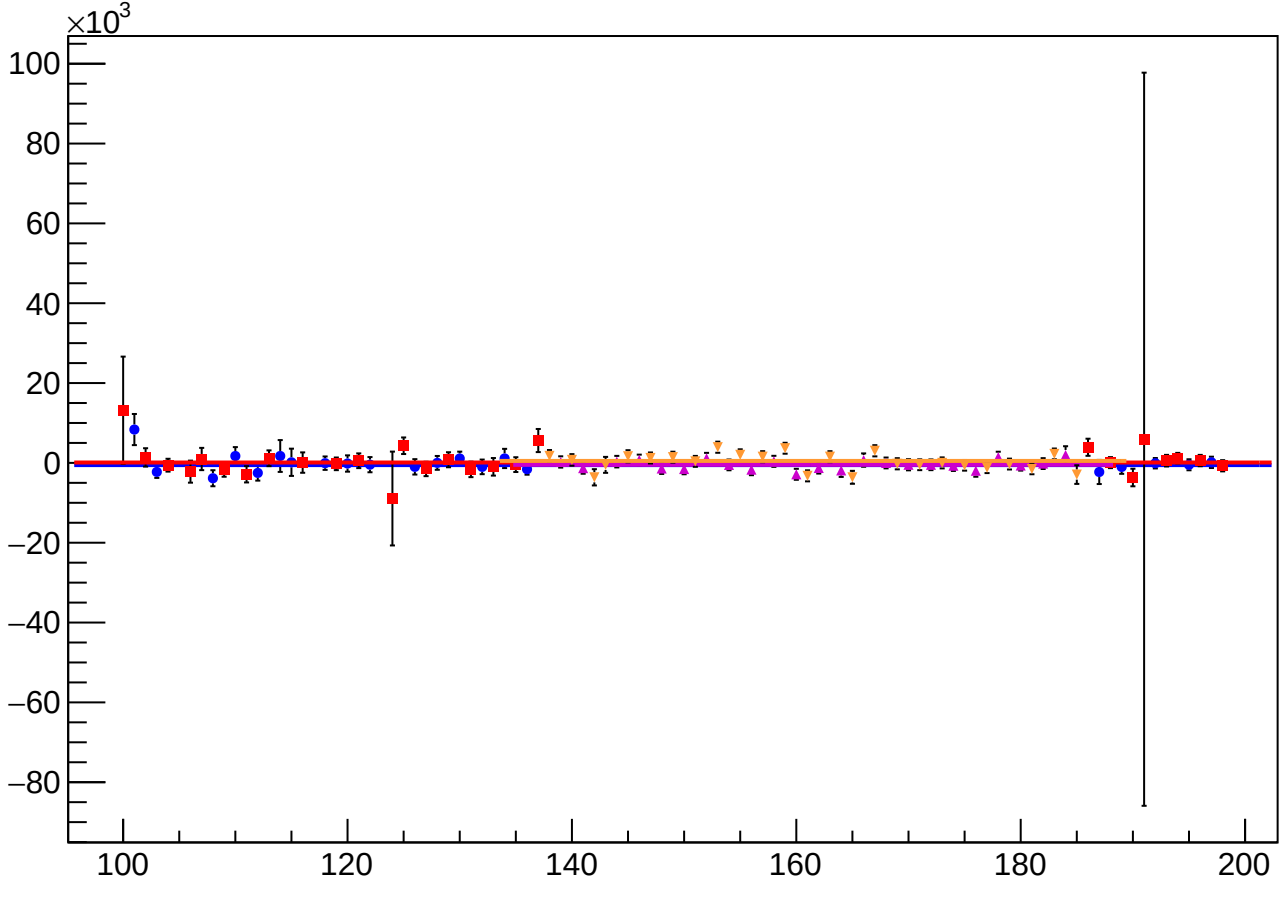
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 13376092.6/47

In: 0.000+/-0.000 χ^2/NDF:11916542.0/43

Out: 0.000+/-0.000 χ^2/NDF:17017478.3/51

All: 0.000+/-0.000 χ^2/NDF: 28958583.4/95



Right In: -554.707+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 94.811+/-372.963 χ^2/NDF: 23.3/26

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

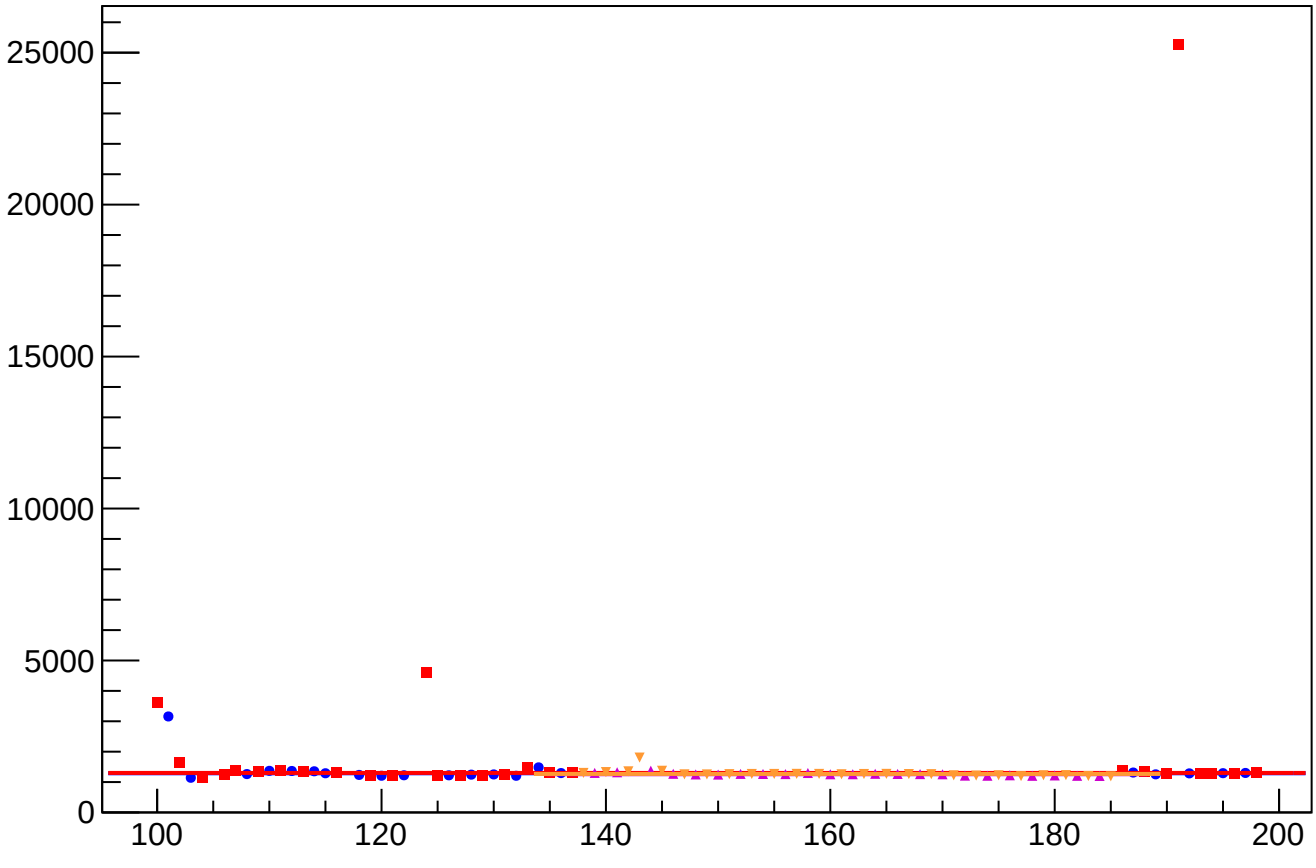
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -207.160+/-272.821 χ^2/NDF: 39.4/47

In: -510.598+/-236.799 χ^2/NDF:29.1/43

Out: 343.352+/-228.194 χ^2/NDF:70.9/51

All: -67.827+/-164.315 χ^2/NDF: 106.8/95



Right In: 1288.745+/-0.283 χ^2/NDF: 515758.7/20

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1300.666+/-0.263 χ^2/NDF: 465813.1/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

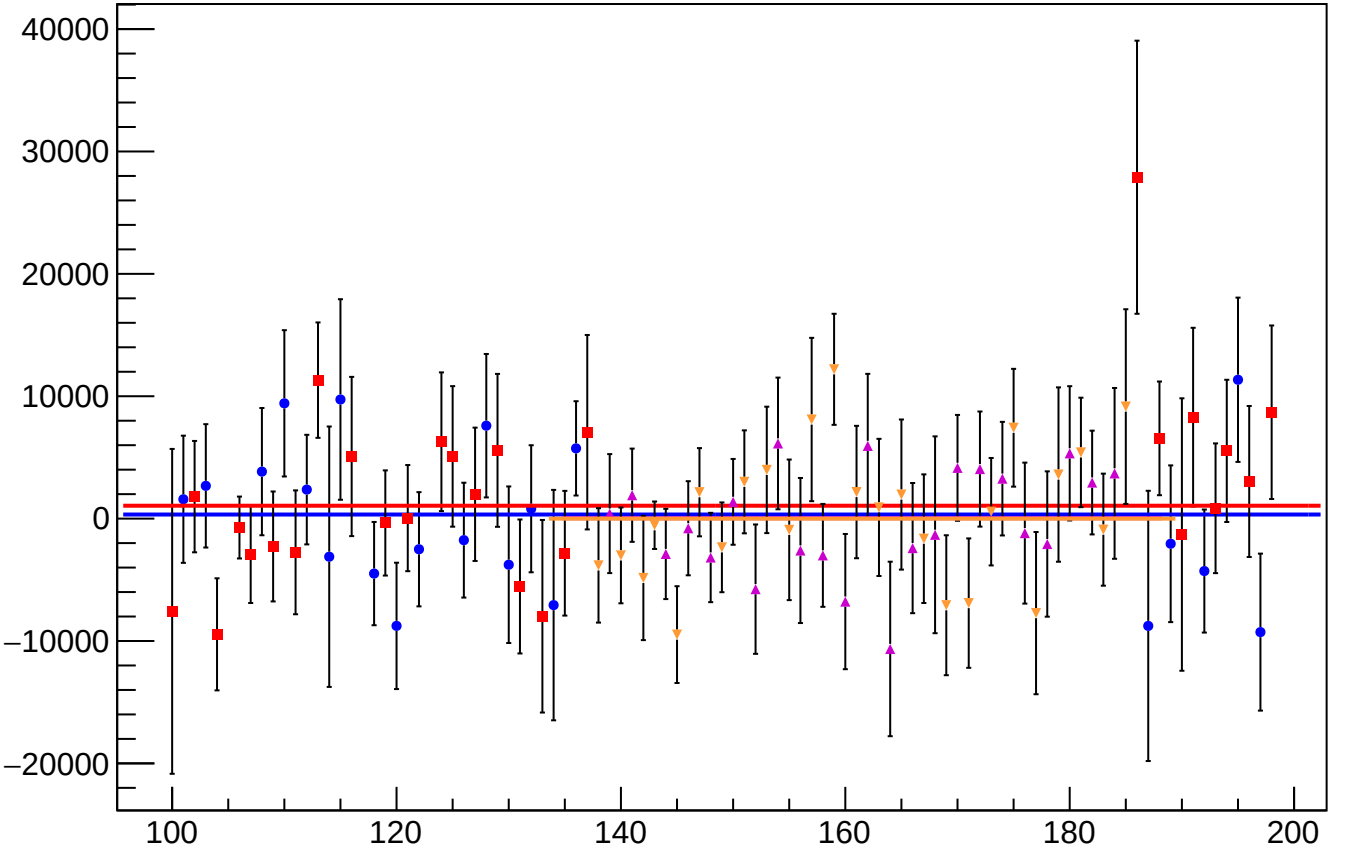
Right: 1295.133+/-0.193 χ^2/NDF: 982523.1/47

In: 1268.477+/-0.167 χ^2/NDF:560473.2/43

Out: 1279.607+/-0.161 χ^2/NDF:663593.6/51

All: 1274.251+/-0.116 χ^2/NDF: 1226358.9/95

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 334.878+/-1205.577 χ^2/NDF: 20.8/20

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 1054.355+/-998.678 χ^2/NDF: 29.5/26

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

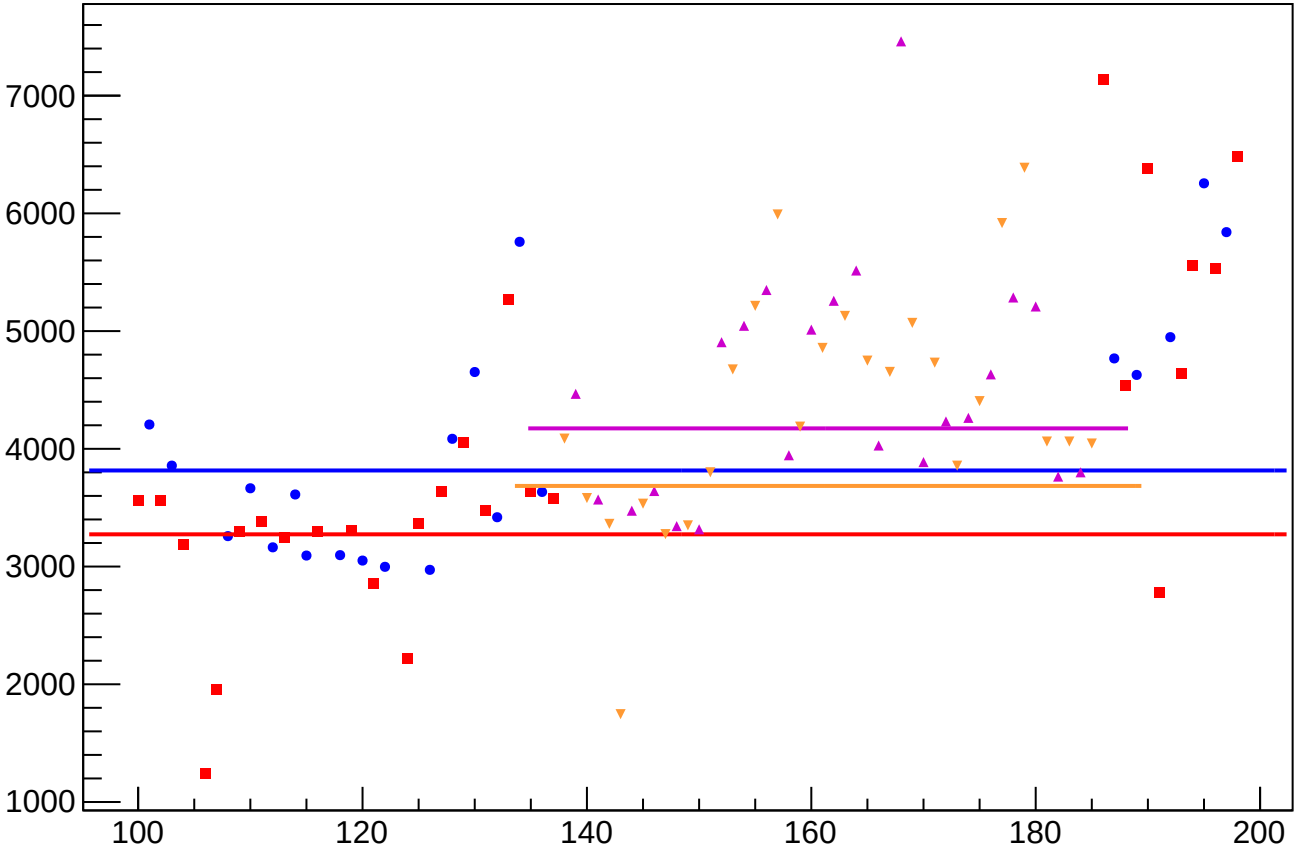
Right: 761.560+/-769.075 χ^2/NDF: 50.5/47

In: 154.528+/-767.552 χ^2/NDF:34.9/43

Out: 464.314+/-662.973 χ^2/NDF:59.2/51

All: 331.948+/-501.725 χ^2/NDF: 94.1/95

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3816.131+/-0.852 χ^2/NDF: 1074419.0/20

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3273.733+/-0.706 χ^2/NDF: 3466611.3/26

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

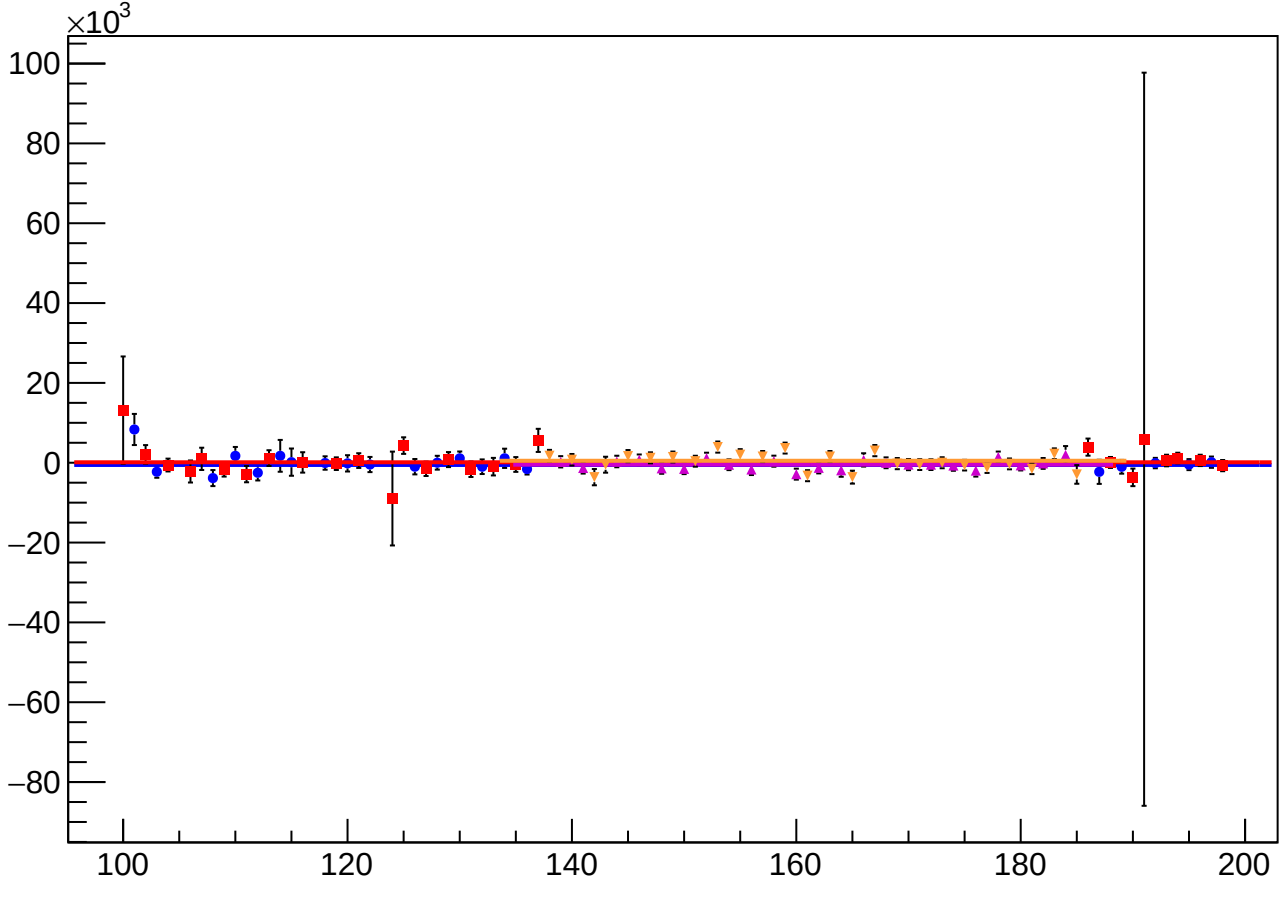
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3494.465+/-0.544 χ^2/NDF: 4781114.2/47

In: 4028.676+/-0.543 χ^2/NDF:2453925.9/43

Out: 3503.626+/-0.469 χ^2/NDF:7349747.5/51

All: 3727.971+/-0.355 χ^2/NDF: 10339661.8/9



Right In: -554.967+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 111.879+/-373.108 χ^2/NDF: 23.7/26

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

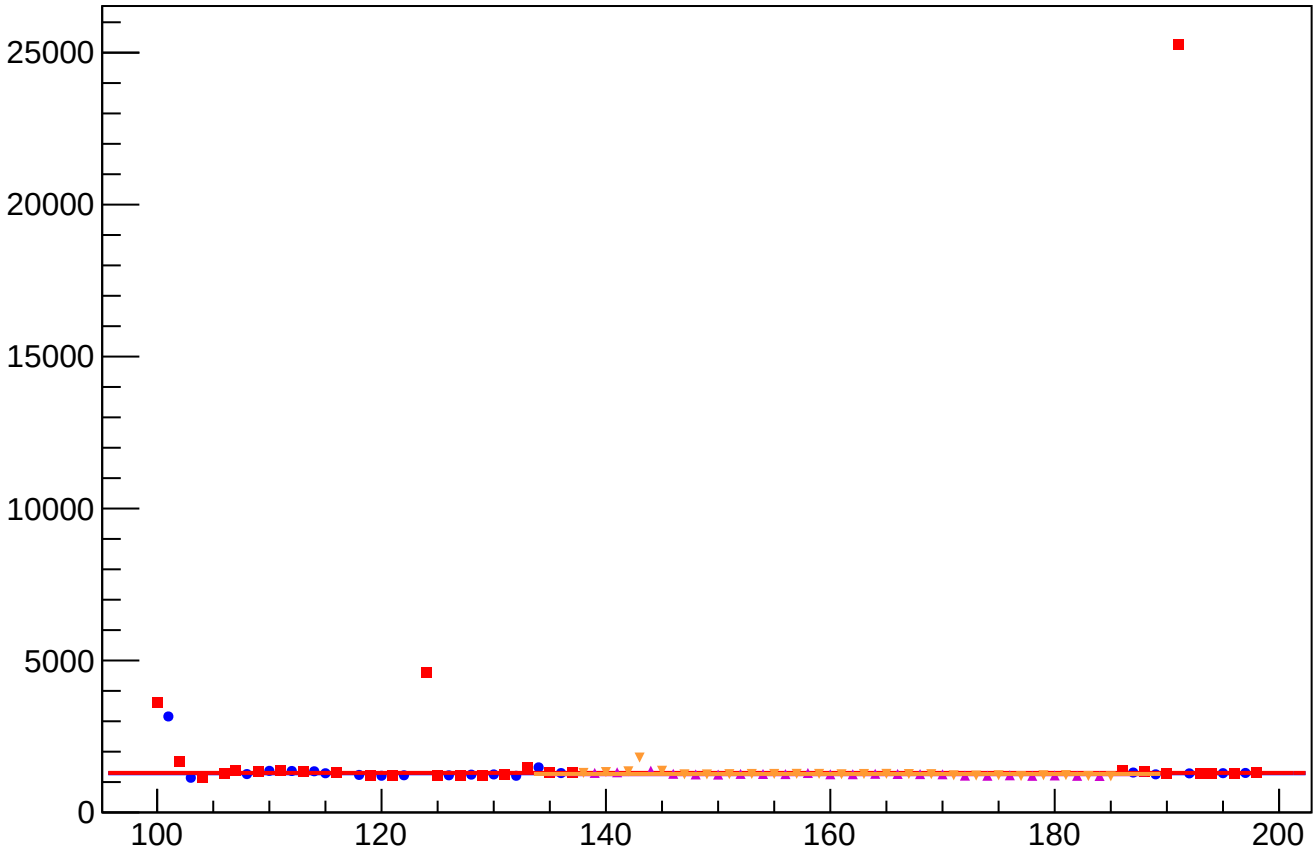
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -198.276+/-272.877 χ^2/NDF: 39.9/47

In: -510.623+/-236.799 χ^2/NDF:29.1/43

Out: 349.820+/-228.227 χ^2/NDF:71.3/51

All: -64.547+/-164.328 χ^2/NDF: 107.2/95



Right In: 1288.745+/-0.283 χ^2/NDF: 515760.2/20

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1301.856+/-0.264 χ^2/NDF: 472291.3/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

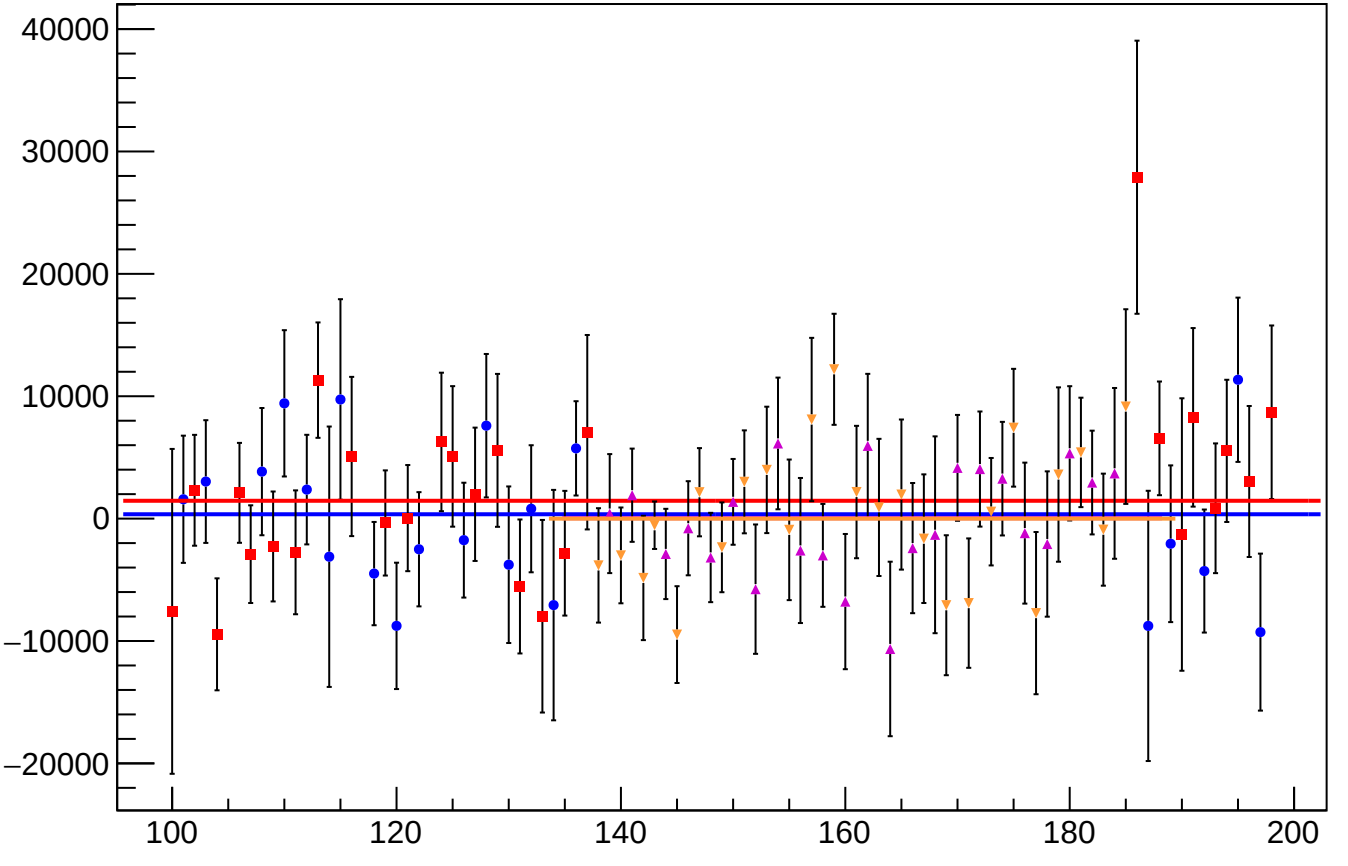
Right: 1295.765+/-0.193 χ^2/NDF: 989201.5/47

In: 1268.477+/-0.167 χ^2/NDF:560474.6/43

Out: 1280.040+/-0.161 χ^2/NDF:670796.3/51

All: 1274.474+/-0.116 χ^2/NDF: 1233744.0/95

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 356.476+/-1205.235 χ^2/NDF: 20.9/20

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1458.117+/-1050.045 χ^2/NDF: 29.0/26

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

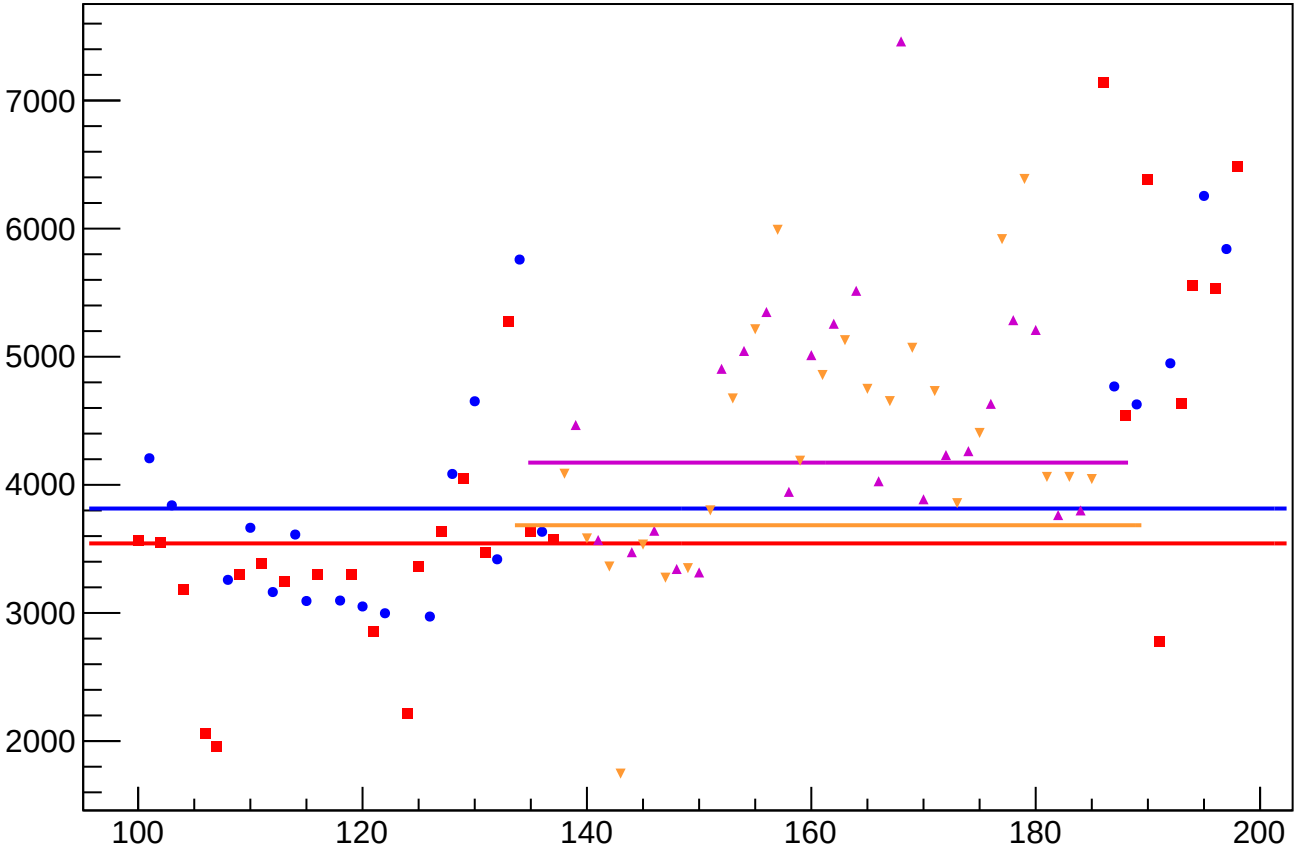
Right: 982.746+/-791.714 χ^2/NDF: 50.3/47

In: 163.329+/-767.462 χ^2/NDF:34.9/43

Out: 606.464+/-677.372 χ^2/NDF:59.1/51

All: 412.421+/-507.854 χ^2/NDF: 94.3/95

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3815.200+/-0.852 χ^2/NDF: 1074394.6/20

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3542.906+/-0.742 χ^2/NDF: 2220097.4/26

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

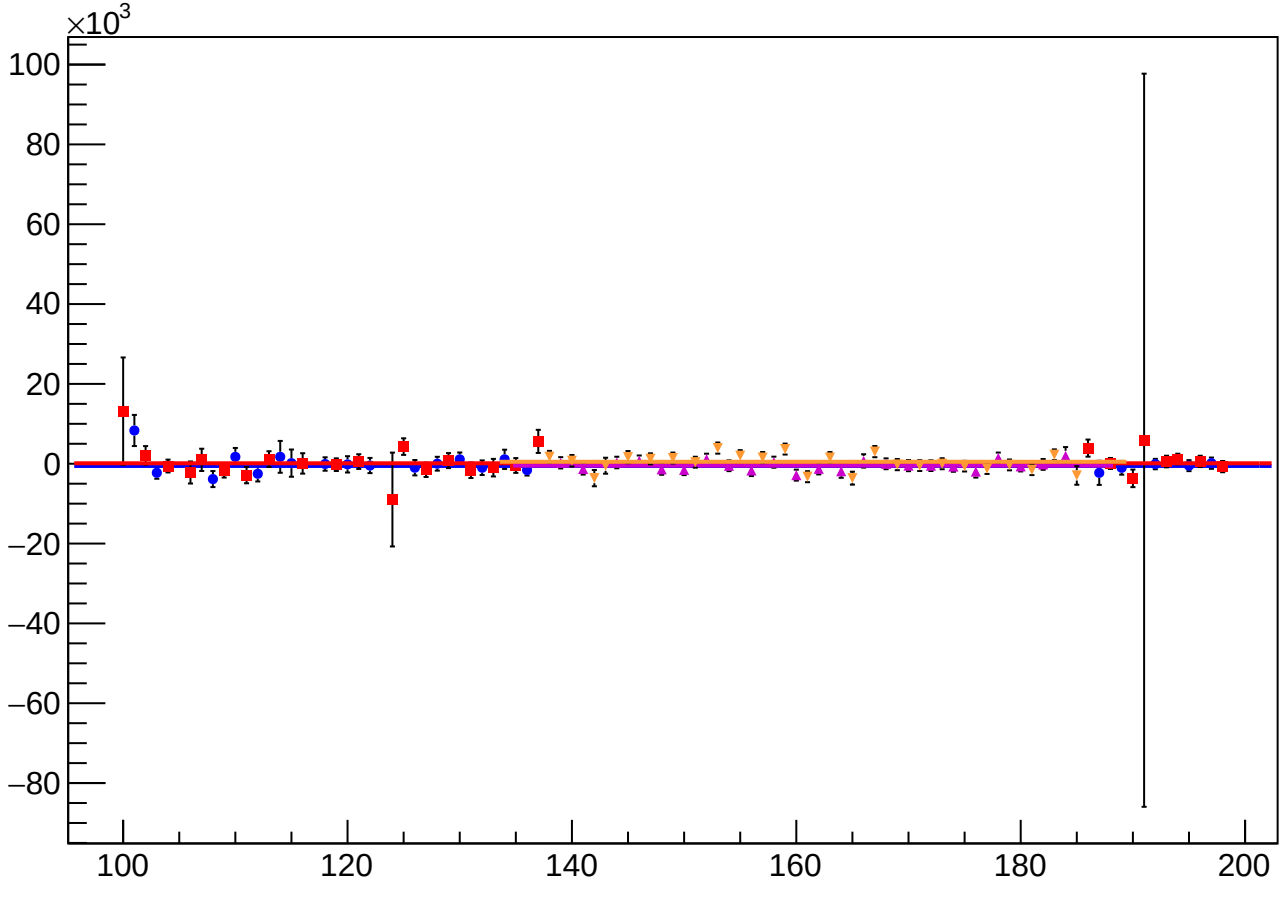
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3660.404+/-0.560 χ^2/NDF: 3352526.0/47

In: 4028.246+/-0.543 χ^2/NDF:2454477.9/43

Out: 3625.730+/-0.479 χ^2/NDF:5935096.3/51

All: 3801.987+/-0.359 χ^2/NDF: 8698820.3/95



Right In: -554.967+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 111.879+/-373.108 χ^2/NDF: 23.7/26

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

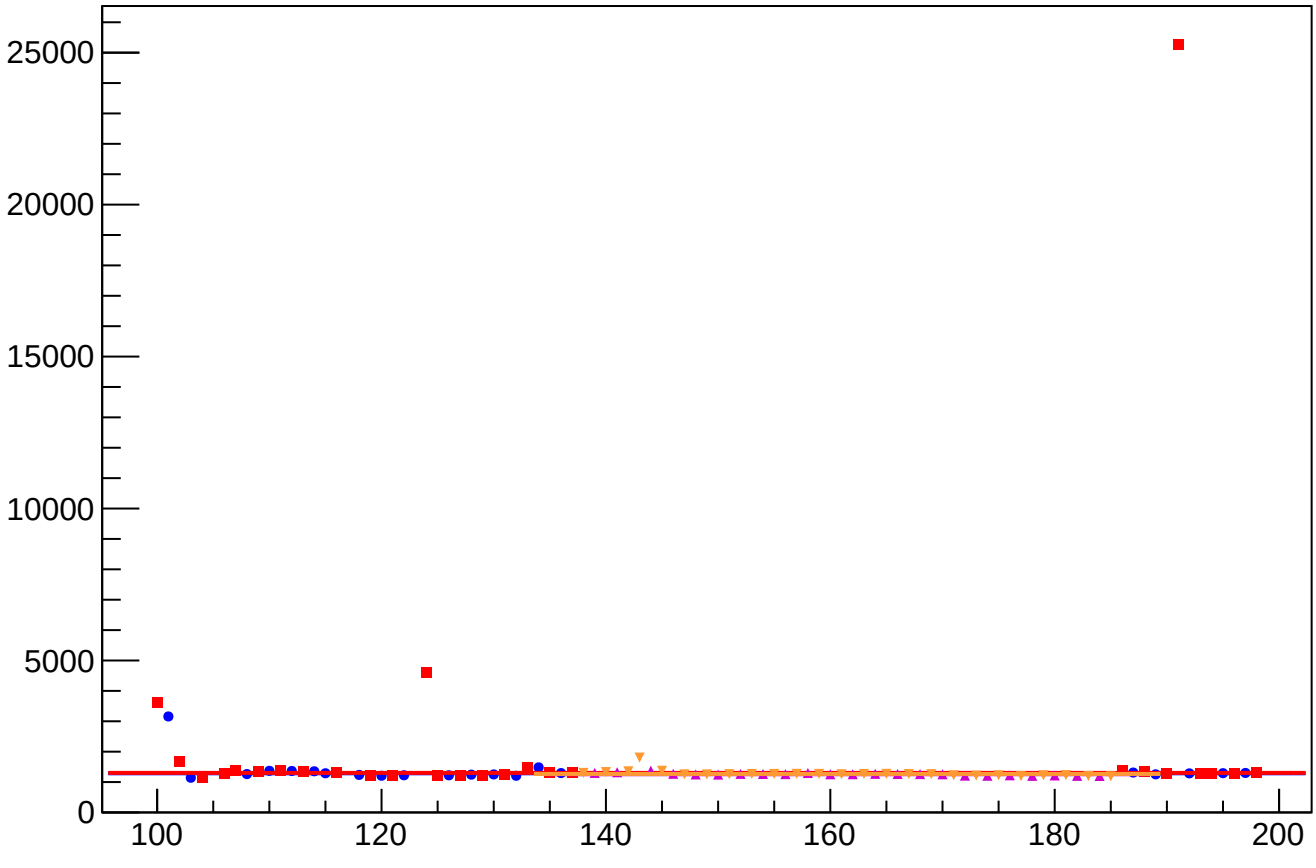
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -198.276+/-272.877 χ^2/NDF: 39.9/47

In: -510.623+/-236.799 χ^2/NDF:29.1/43

Out: 349.820+/-228.227 χ^2/NDF:71.3/51

All: -64.547+/-164.328 χ^2/NDF: 107.2/95



Right In: 1288.745+/-0.283 χ^2/NDF: 515760.2/20

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1301.856+/-0.264 χ^2/NDF: 472291.3/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

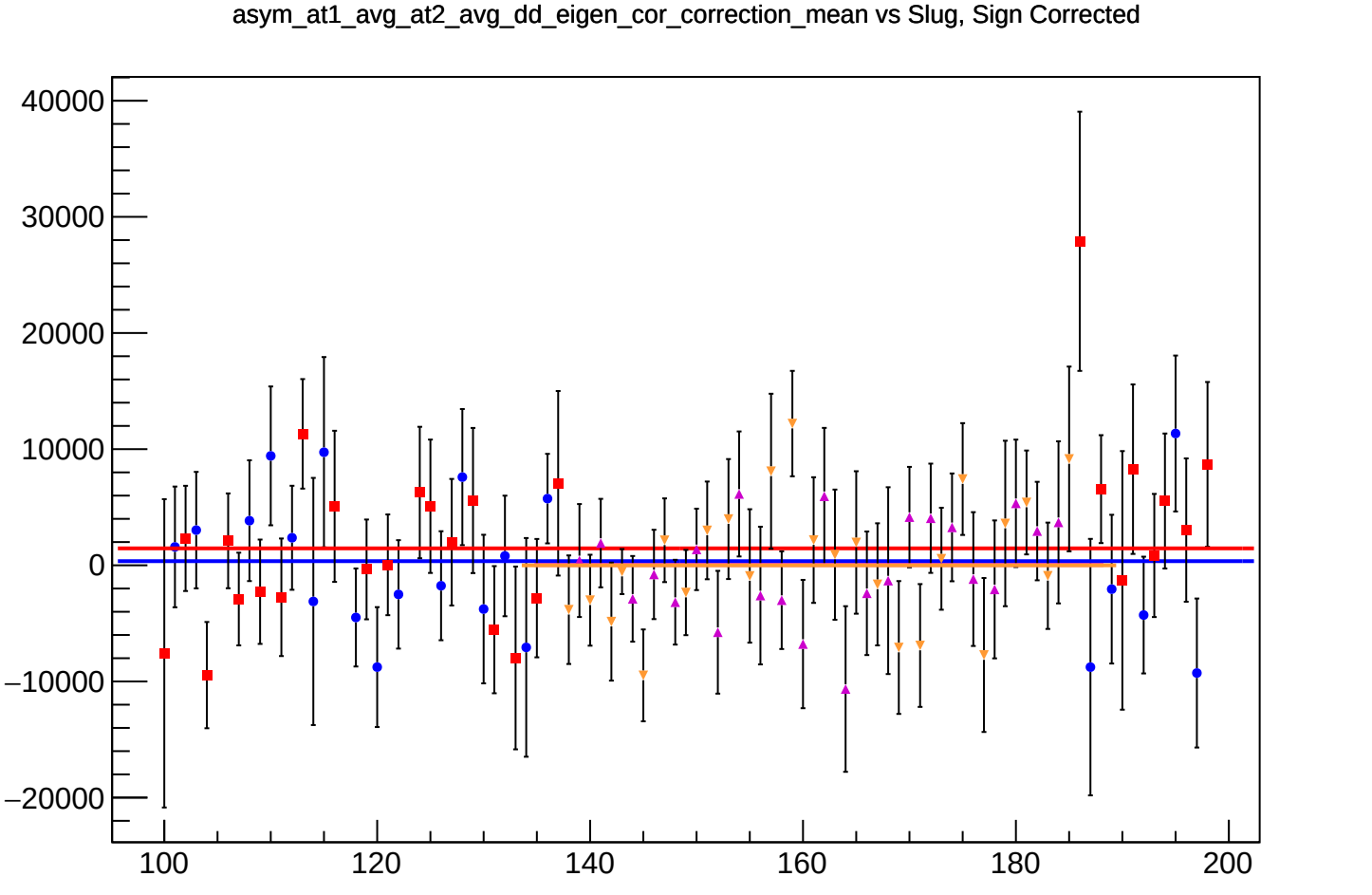
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1295.765+/-0.193 χ^2/NDF: 989201.5/47

In: 1268.477+/-0.167 χ^2/NDF:560474.6/43

Out: 1280.040+/-0.161 χ^2/NDF:670796.3/51

All: 1274.474+/-0.116 χ^2/NDF: 1233744.0/95



Right In: 356.476+/-1205.235 χ^2/NDF: 20.9/20

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1458.117+/-1050.045 χ^2/NDF: 29.0/26

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

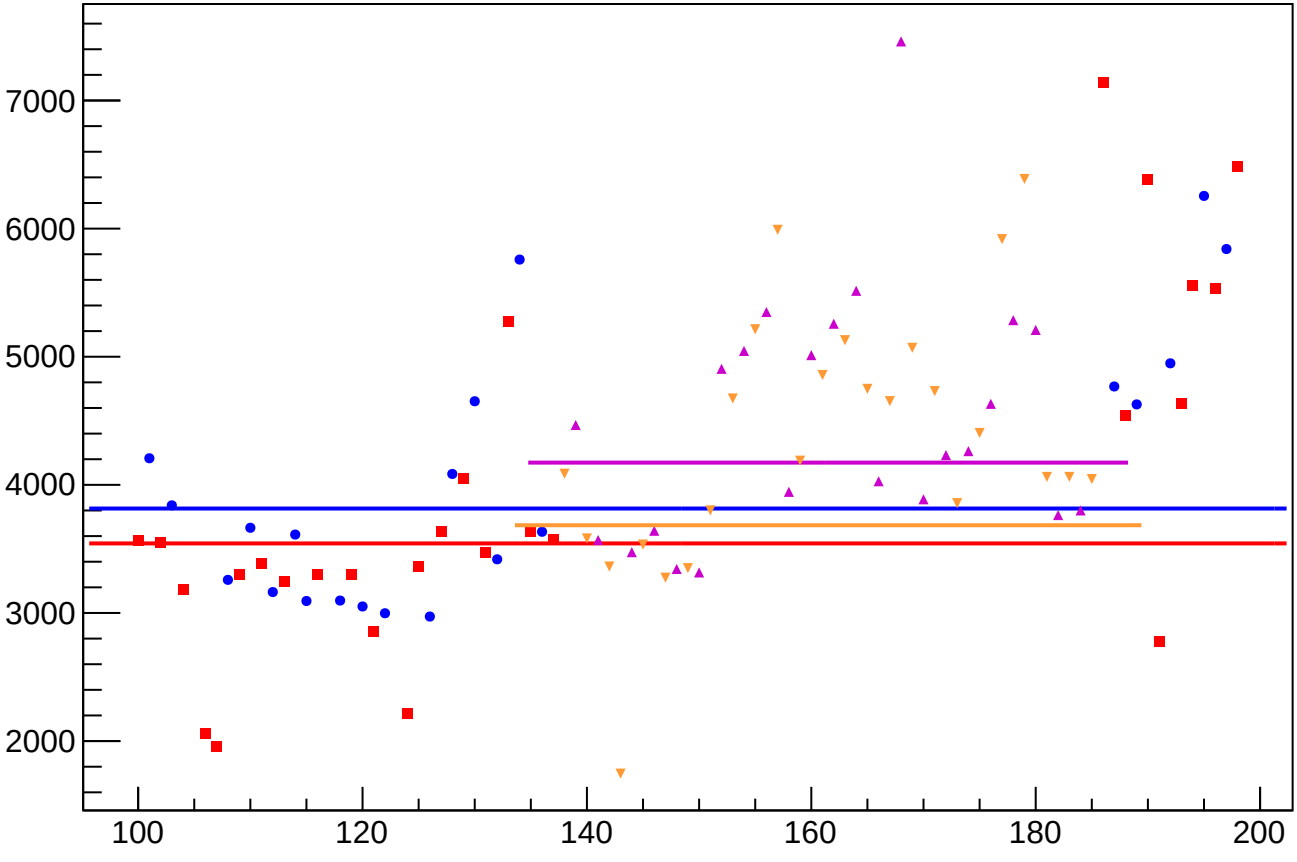
Right: 982.746+/-791.714 χ^2/NDF: 50.3/47

In: 163.329+/-767.462 χ^2/NDF:34.9/43

Out: 606.464+/-677.372 χ^2/NDF:59.1/51

All: 412.421+/-507.854 χ^2/NDF: 94.3/95

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3815.200+/-0.852 χ^2/NDF: 1074394.6/20

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3542.906+/-0.742 χ^2/NDF: 2220097.4/26

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

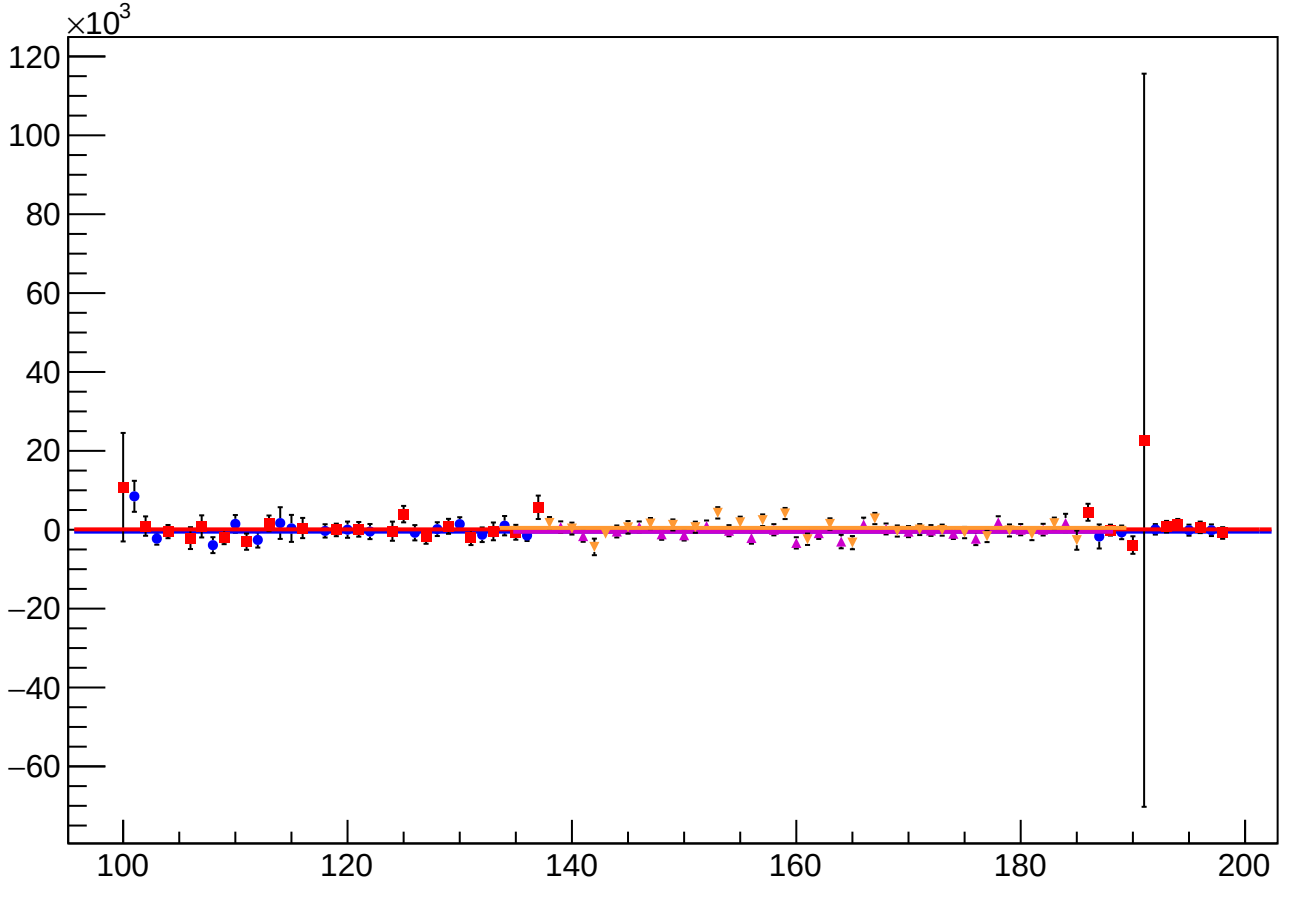
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3660.404+/-0.560 χ^2/NDF: 3352526.0/47

In: 4028.246+/-0.543 χ^2/NDF:2454477.9/43

Out: 3625.730+/-0.479 χ^2/NDF:5935096.3/51

All: 3801.987+/-0.359 χ^2/NDF: 8698820.3/95



Right In: -485.743+/-405.931 χ^2/NDF: 14.7/20

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 93.322+/-374.882 χ^2/NDF: 24.0/26

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

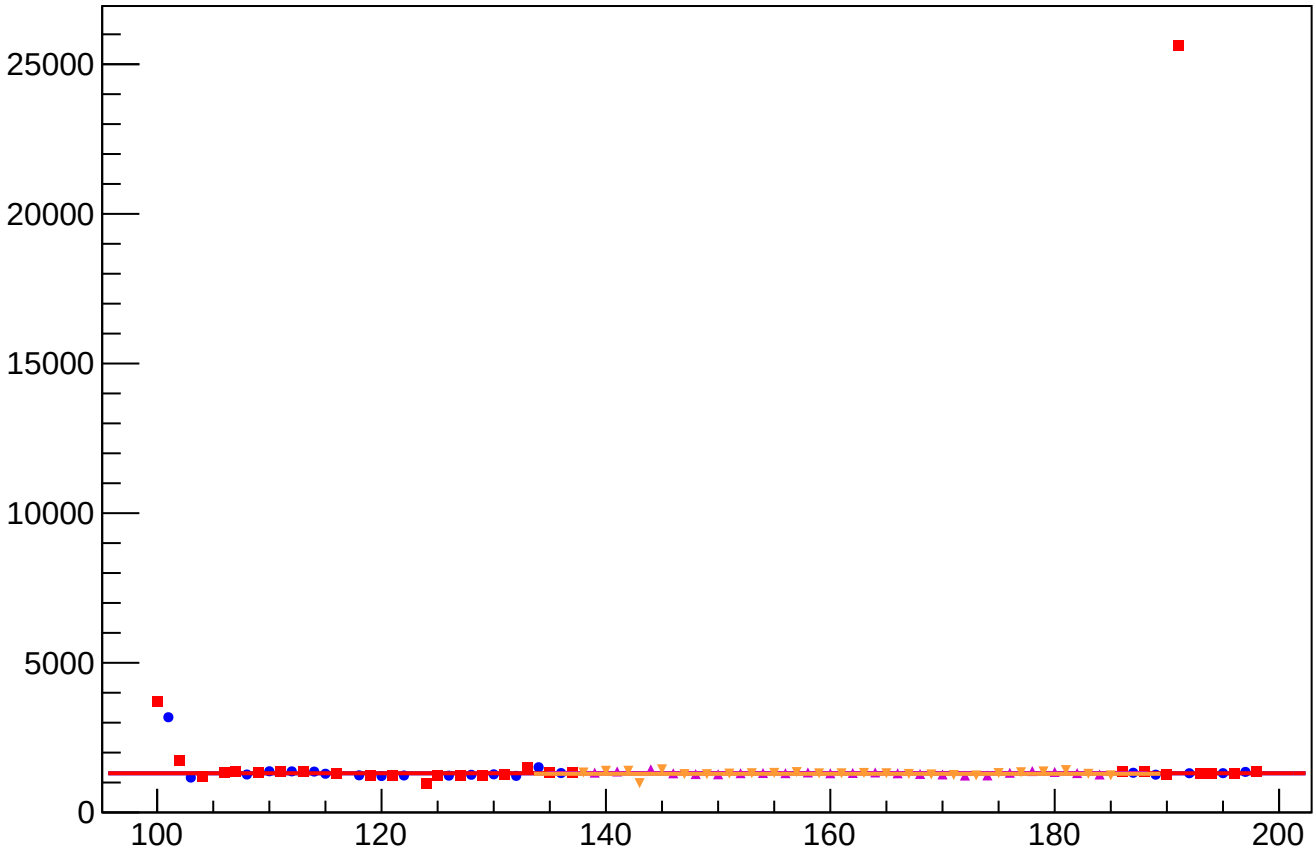
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -173.220+/-275.405 χ^2/NDF: 39.8/47

In: -497.074+/-244.887 χ^2/NDF:32.1/43

Out: 325.116+/-231.468 χ^2/NDF:68.7/51

All: -62.835+/-168.217 χ^2/NDF: 106.8/95



Right In: 1307.353+/-0.287 χ^2/NDF: 514221.9/20

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1310.196+/-0.265 χ^2/NDF: 363097.7/26

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

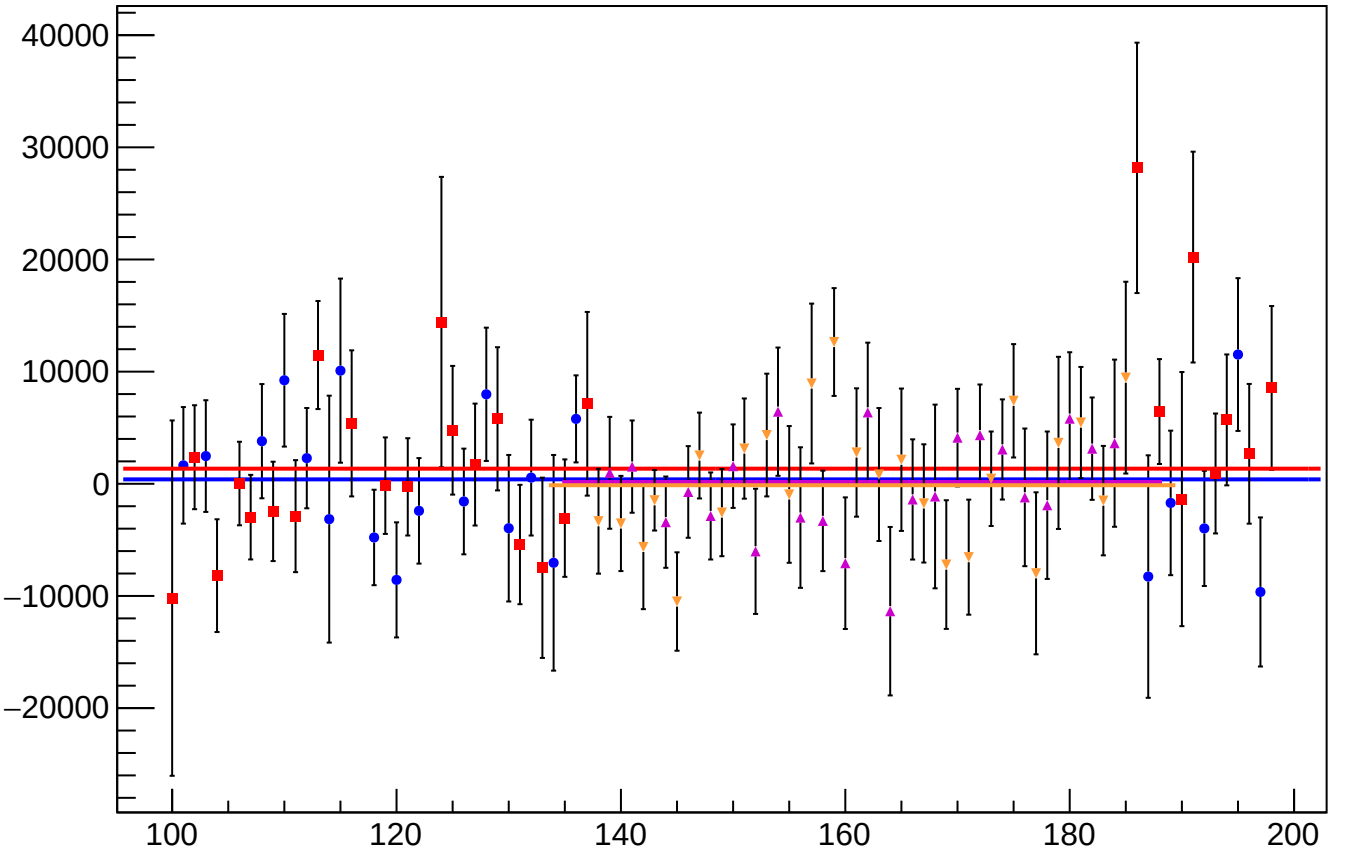
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1308.888+/-0.195 χ^2/NDF: 877372.6/47

In: 1311.585+/-0.173 χ^2/NDF:557608.2/43

Out: 1298.452+/-0.164 χ^2/NDF:597008.5/51

All: 1304.648+/-0.119 χ^2/NDF: 1157654.8/95



Right In: 394.384+/-1210.625 χ^2/NDF: 20.7/20

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1349.010+/-1068.322 χ^2/NDF: 30.7/26

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

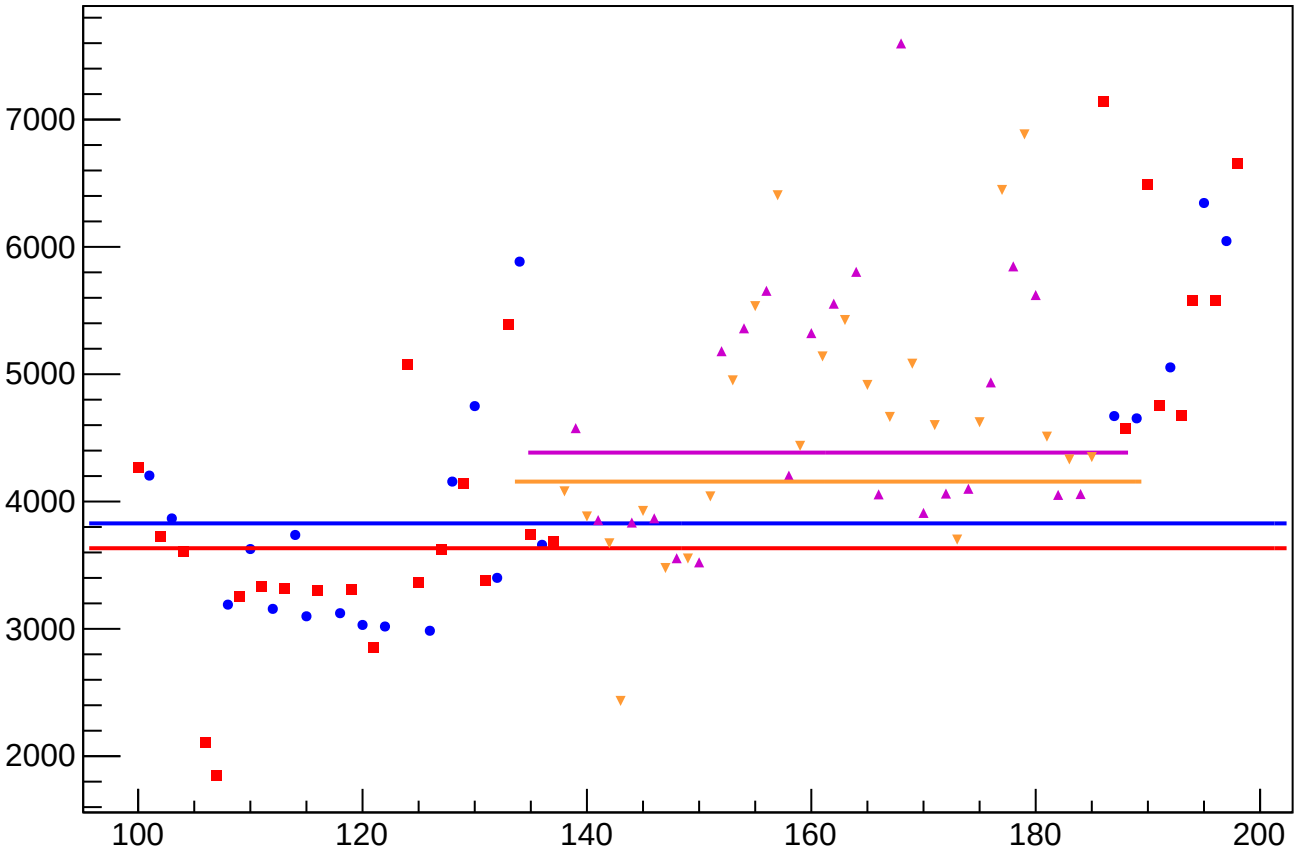
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: 931.075+/-801.028 χ^2/NDF: 51.7/47

In: 259.816+/-791.276 χ^2/NDF:34.5/43

Out: 545.257+/-721.063 χ^2/NDF:60.3/51

All: 415.760+/-532.966 χ^2/NDF: 94.8/95



Right In: 3828.348+/-0.856 χ^2/NDF: 1141062.0/20

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3633.326+/-0.755 χ^2/NDF: 2311441.1/26

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

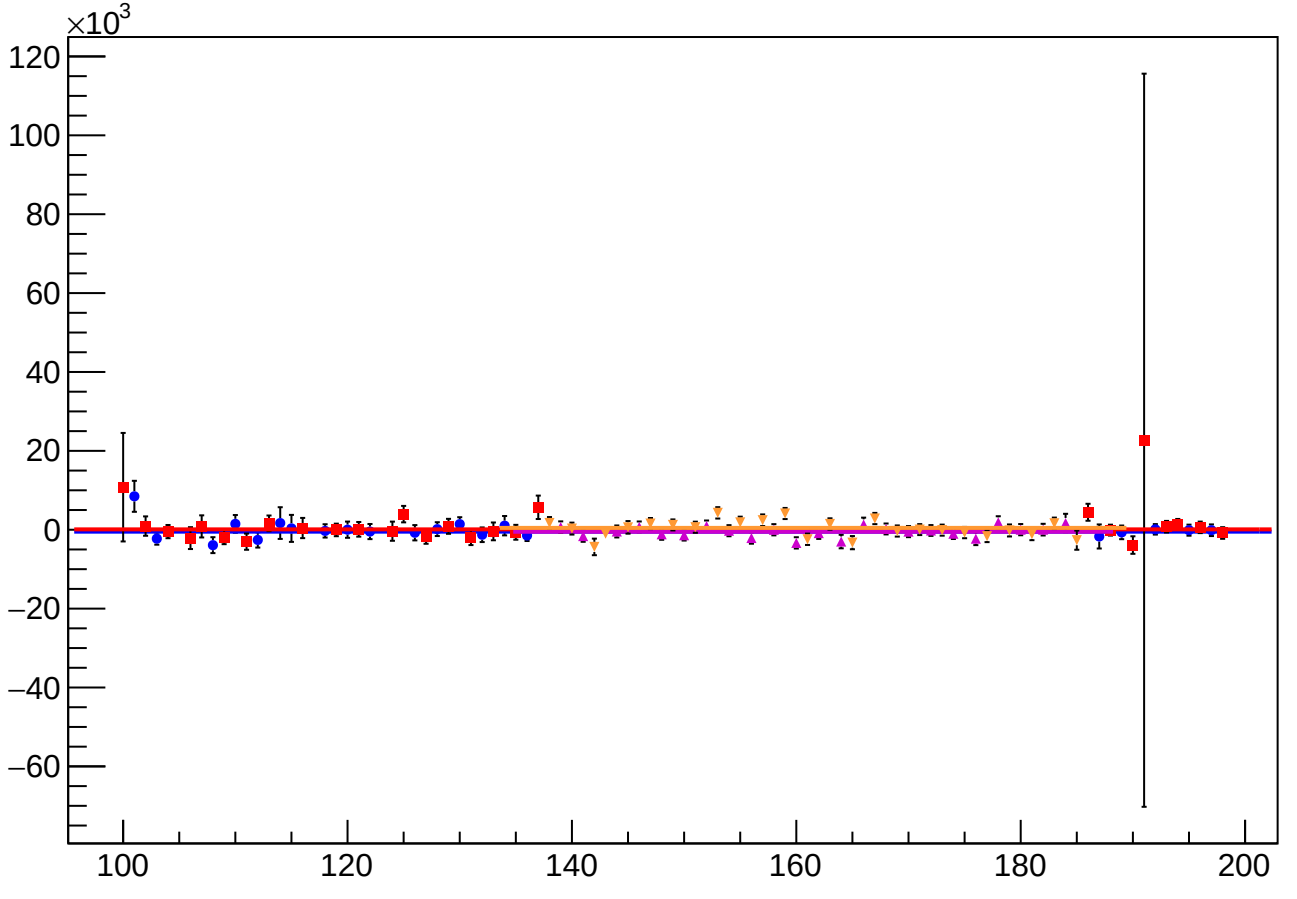
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3718.706+/-0.566 χ^2/NDF: 3481682.0/47

In: 4146.808+/-0.560 χ^2/NDF:2638145.8/43

Out: 3918.209+/-0.510 χ^2/NDF:4653427.1/51

All: 4021.918+/-0.377 χ^2/NDF: 7382768.6/95



Right In: -485.743+/-405.931 χ^2/NDF: 14.7/20

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 93.319+/-374.882 χ^2/NDF: 24.0/26

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

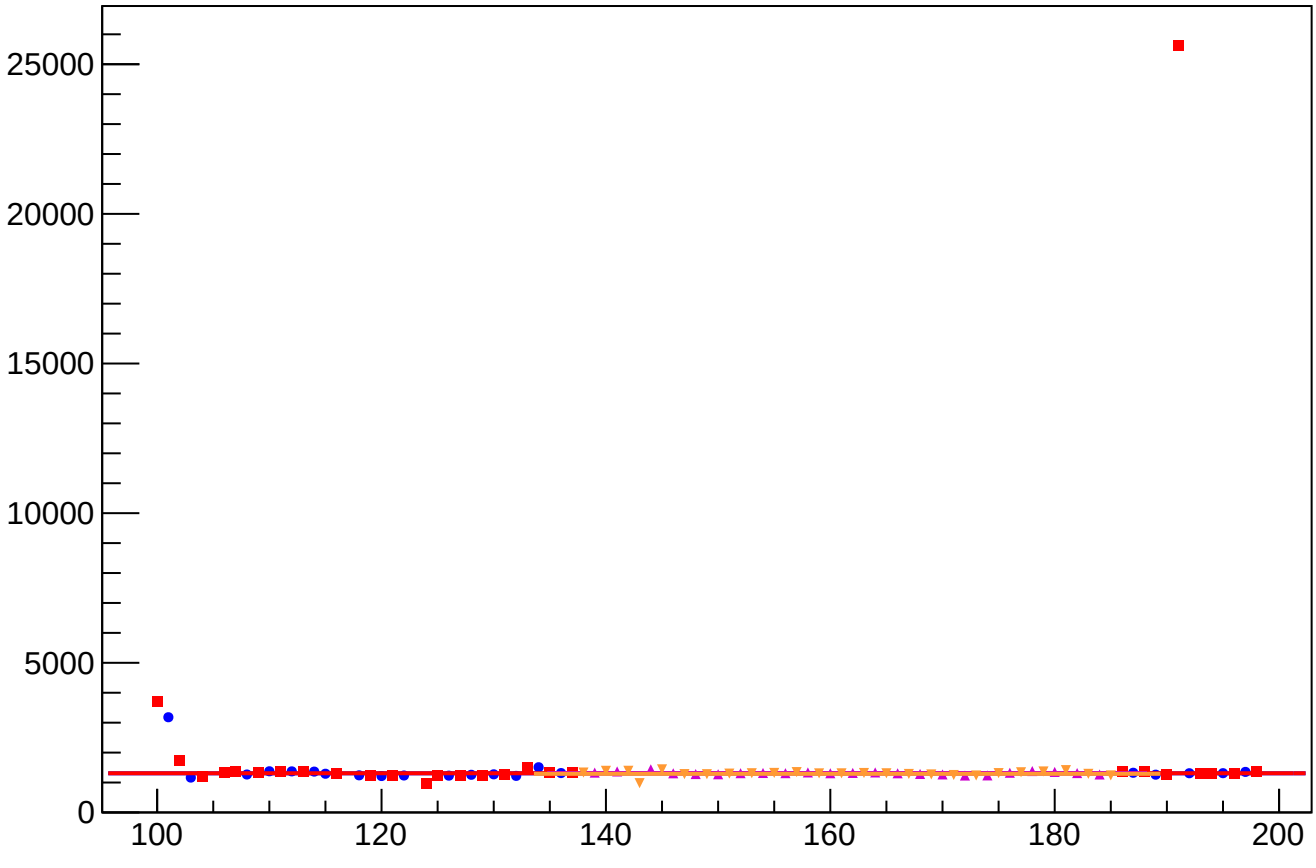
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -173.222+/-275.405 χ^2/NDF: 39.8/47

In: -497.075+/-244.887 χ^2/NDF:32.1/43

Out: 325.117+/-231.468 χ^2/NDF:68.7/51

All: -62.835+/-168.217 χ^2/NDF: 106.8/95



Right In: 1307.353+/-0.287 χ^2/NDF: 514222.1/20

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1310.196+/-0.265 χ^2/NDF: 363098.0/26

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

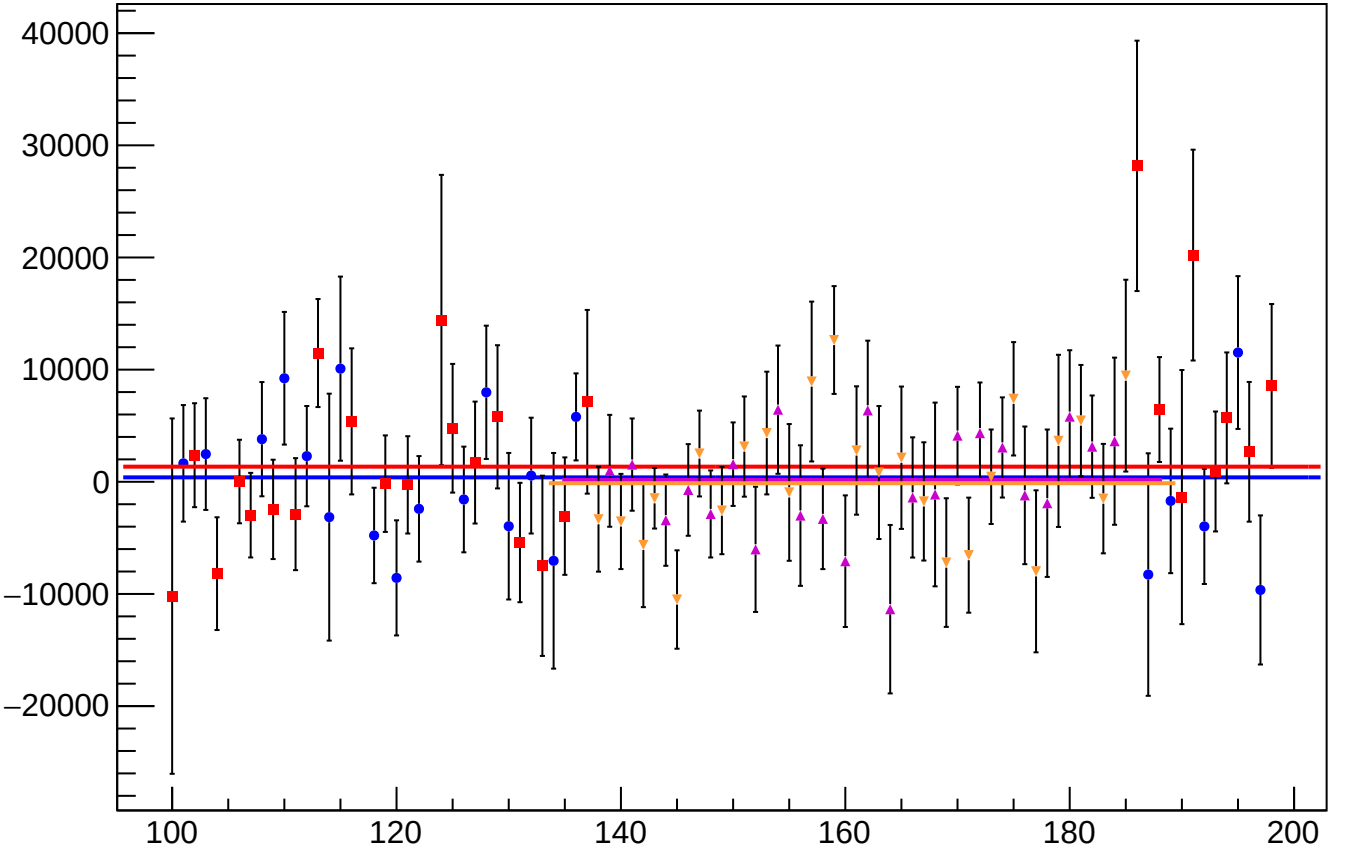
Right: 1308.888+/-0.195 χ^2/NDF: 877373.1/47

In: 1311.585+/-0.173 χ^2/NDF:557610.7/43

Out: 1298.453+/-0.164 χ^2/NDF:597010.9/51

All: 1304.649+/-0.119 χ^2/NDF: 1157659.7/95

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 394.376+/-1210.623 χ^2/NDF: 20.7/20

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1349.002+/-1068.321 χ^2/NDF: 30.7/26

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

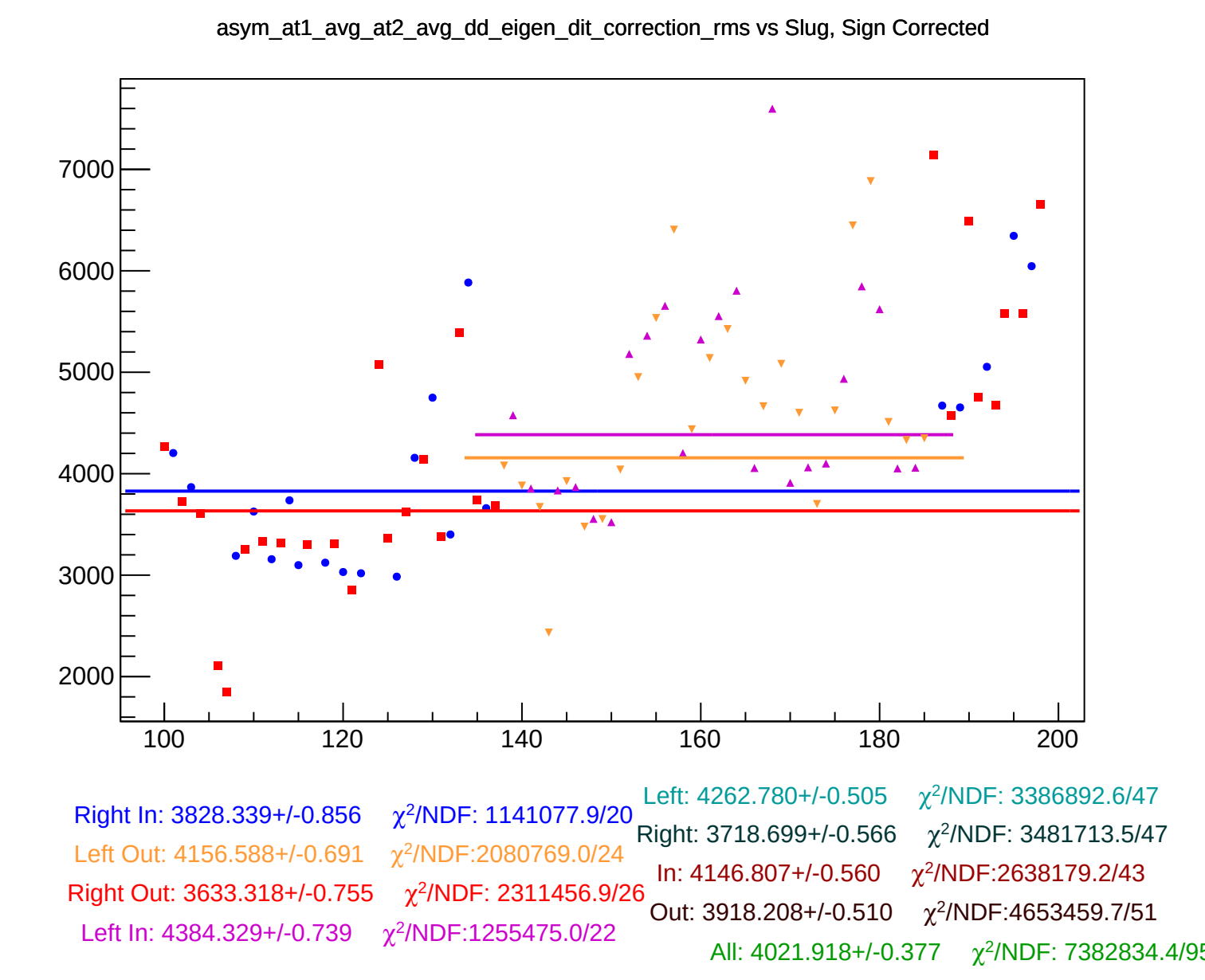
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

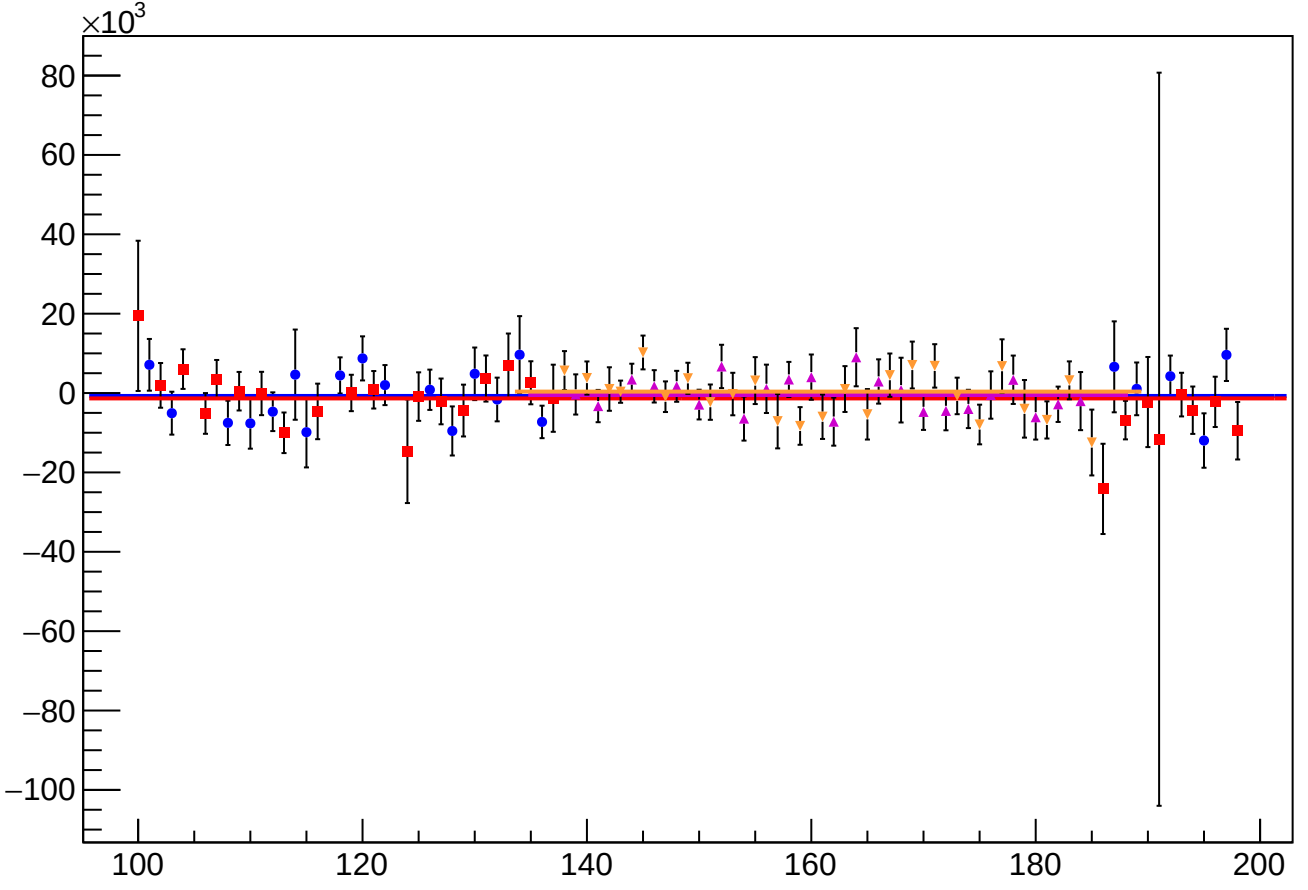
Right: 931.066+/-801.027 χ^2/NDF: 51.7/47

In: 259.814+/-791.276 χ^2/NDF:34.5/43

Out: 545.257+/-721.064 χ^2/NDF:60.3/51

All: 415.759+/-532.966 χ^2/NDF: 94.8/95


asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 3828.339+/-0.856 χ²/NDF: 1141077.9/20
Left Out: 4156.588+/-0.691 χ²/NDF:2080769.0/24
Right Out: 3633.318+/-0.755 χ²/NDF: 2311456.9/26
Left In: 4384.329+/-0.739 χ²/NDF:1255475.0/22
Left: 4262.780+/-0.505 χ²/NDF: 3386892.6/47
Right: 3718.699+/-0.566 χ²/NDF: 3481713.5/47
In: 4146.807+/-0.560 χ²/NDF:2638179.2/43
Out: 3918.208+/-0.510 χ²/NDF:4653459.7/51
All: 4021.918+/-0.377 χ²/NDF: 7382834.4/95



Right In: -732.996+/-1291.410 χ^2/NDF: 24.3/20

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1352.994+/-1175.781 χ^2/NDF: 19.3/26

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

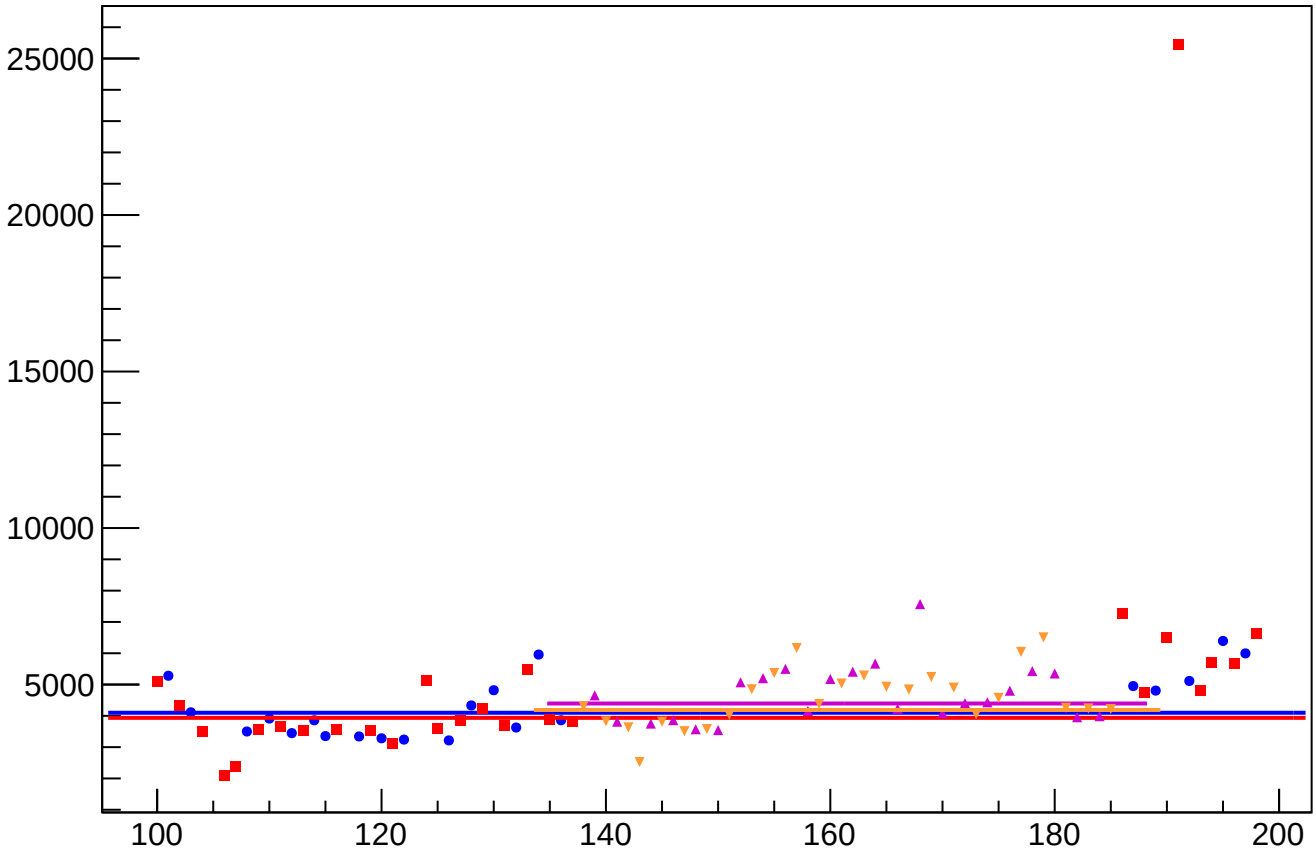
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -1071.989+/-869.413 χ^2/NDF: 43.7/47

In: -590.667+/-812.214 χ^2/NDF:38.2/43

Out: -340.592+/-752.736 χ^2/NDF:48.2/51

All: -456.138+/-552.096 χ^2/NDF: 86.4/95



Right In: 4098.868+/-0.913 χ^2/NDF: 978815.1/20

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

Right Out: 3936.247+/-0.823 χ^2/NDF: 1915185.5/26

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

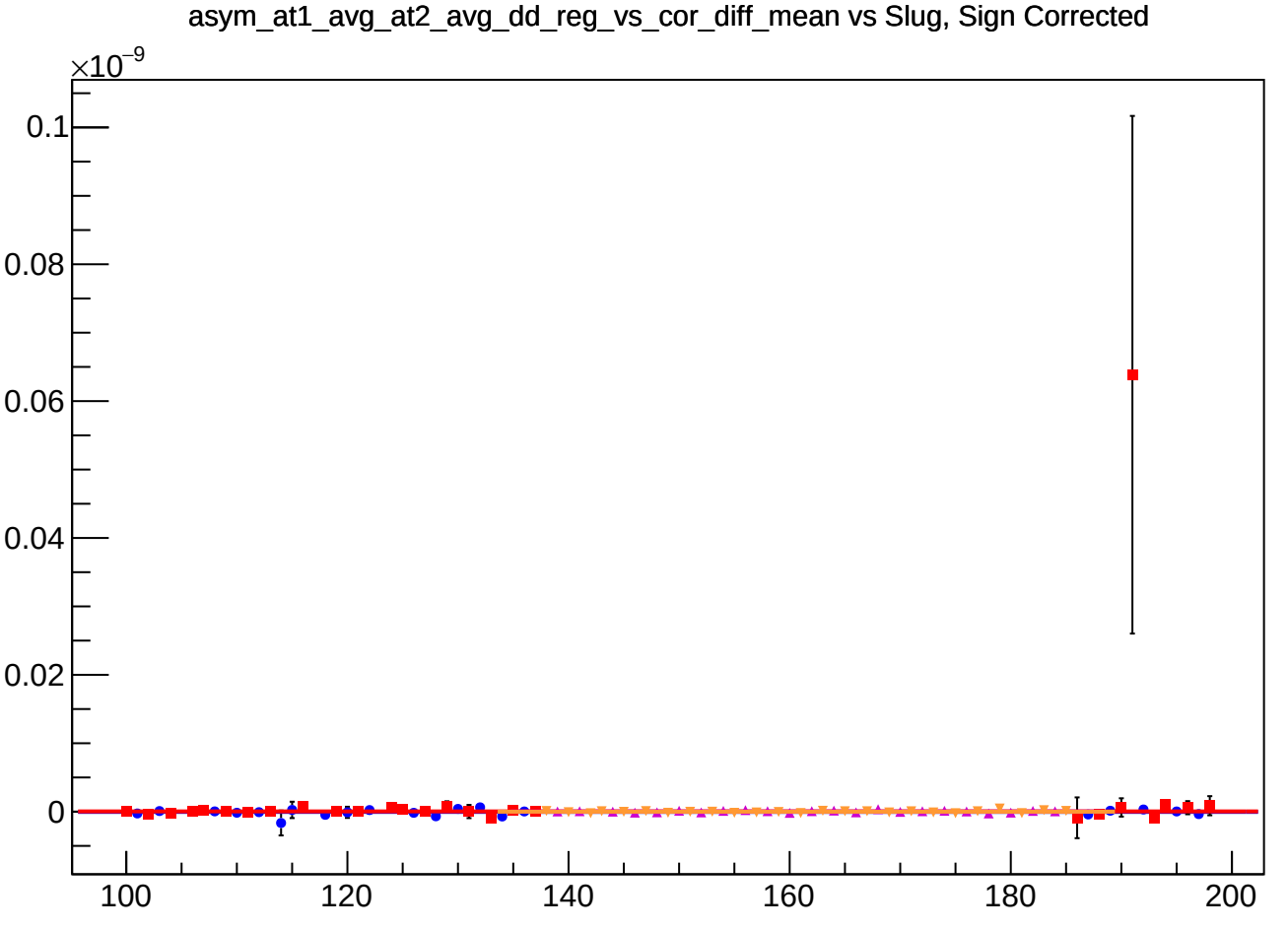
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 4009.095+/-0.611 χ^2/NDF: 2911508.4/47

In: 4277.452+/-0.574 χ^2/NDF:2130486.6/43

Out: 4083.427+/-0.530 χ^2/NDF:3766258.3/51

All: 4172.652+/-0.389 χ^2/NDF: 5958391.8/95



Right In: -0.000+/-0.000 χ^2/NDF: 18.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.5/26

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

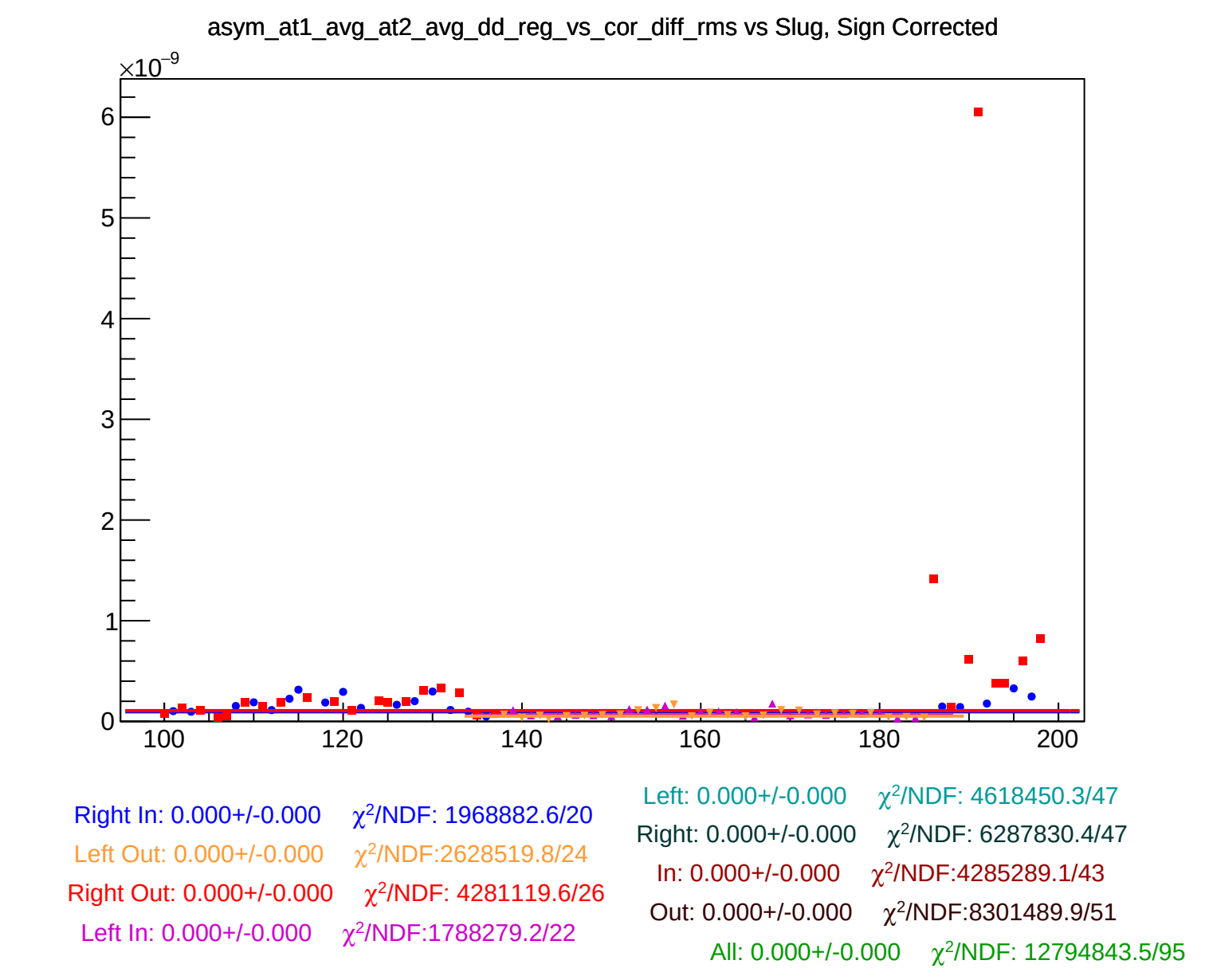
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

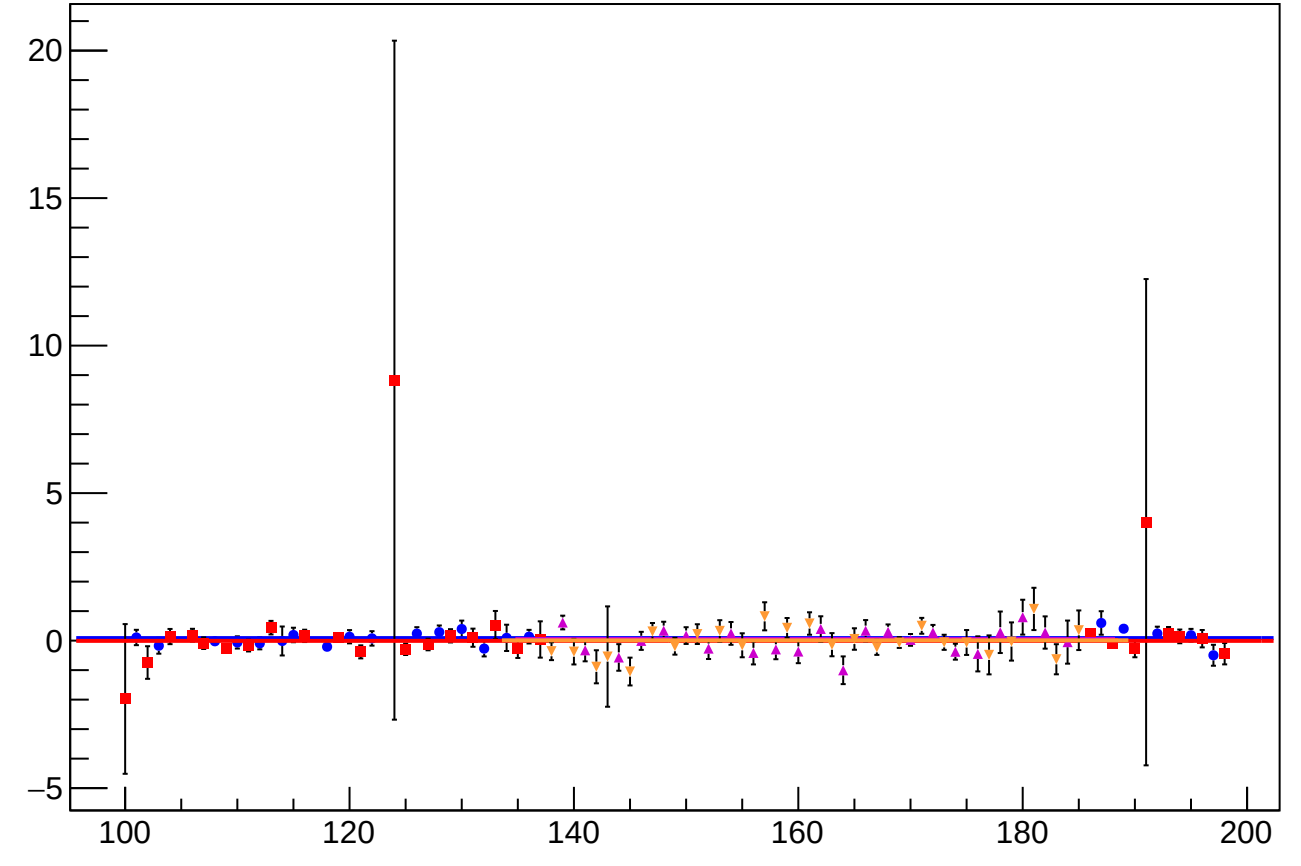
Right: -0.000+/-0.000 χ^2/NDF: 45.7/47

In: 0.000+/-0.000 χ^2/NDF:36.3/43

Out: 0.000+/-0.000 χ^2/NDF:57.3/51

All: 0.000+/-0.000 χ^2/NDF: 93.7/95


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: 1968882.6/20
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 4281119.6/26
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: 6287830.4/47
In: 0.000+/-0.000 χ²/NDF:4285289.1/43
Out: 0.000+/-0.000 χ²/NDF:8301489.9/51
All: 0.000+/-0.000 χ²/NDF: 12794843.5/95



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

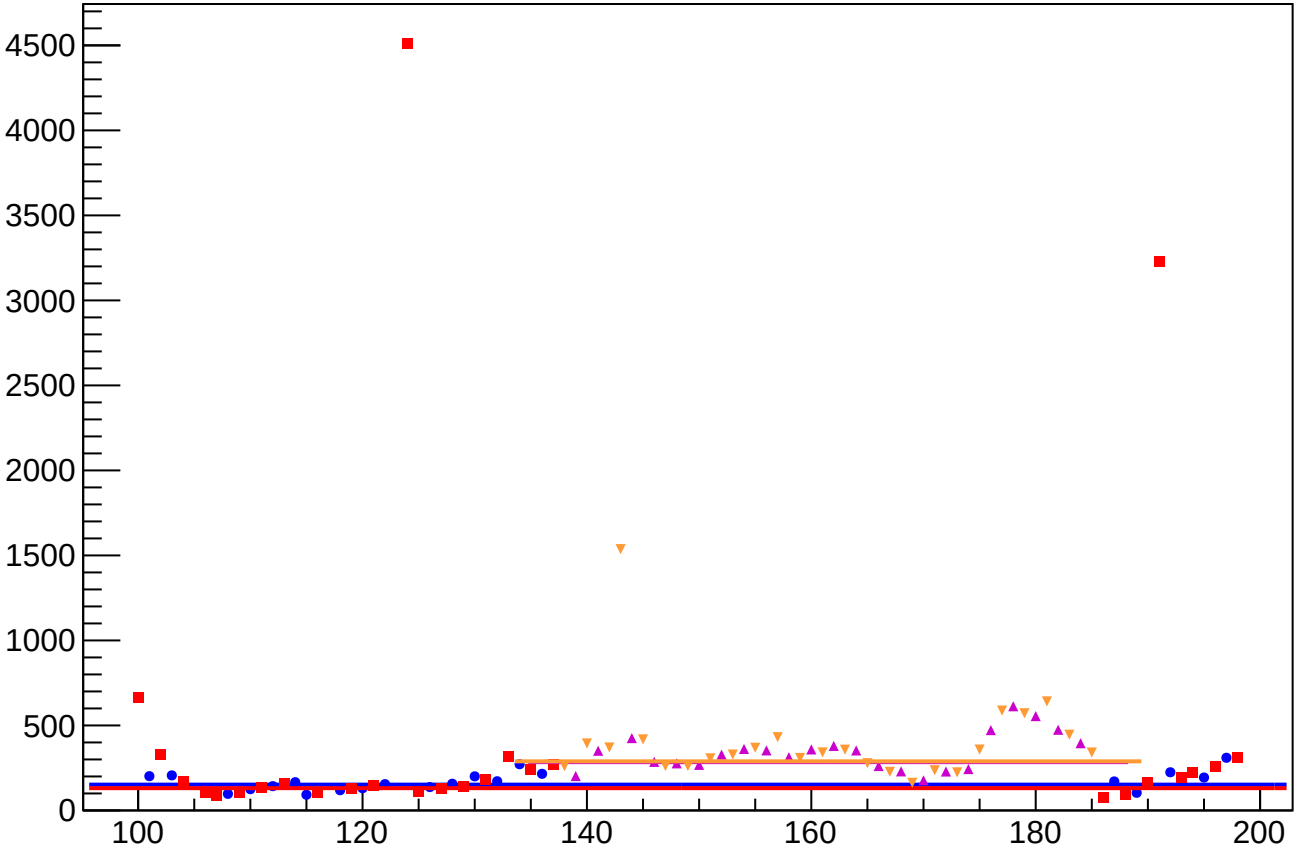
Right: 0.031+/-0.032 χ^2/NDF: 50.9/47

In: 0.075+/-0.041 χ^2/NDF:47.7/43

Out: -0.004+/-0.036 χ^2/NDF:57.9/51

All: 0.031+/-0.027 χ^2/NDF: 107.7/95

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 151.892+/-0.035 χ^2/NDF: 1883420.2/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 131.106+/-0.030 χ^2/NDF: 3952543.6/26

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

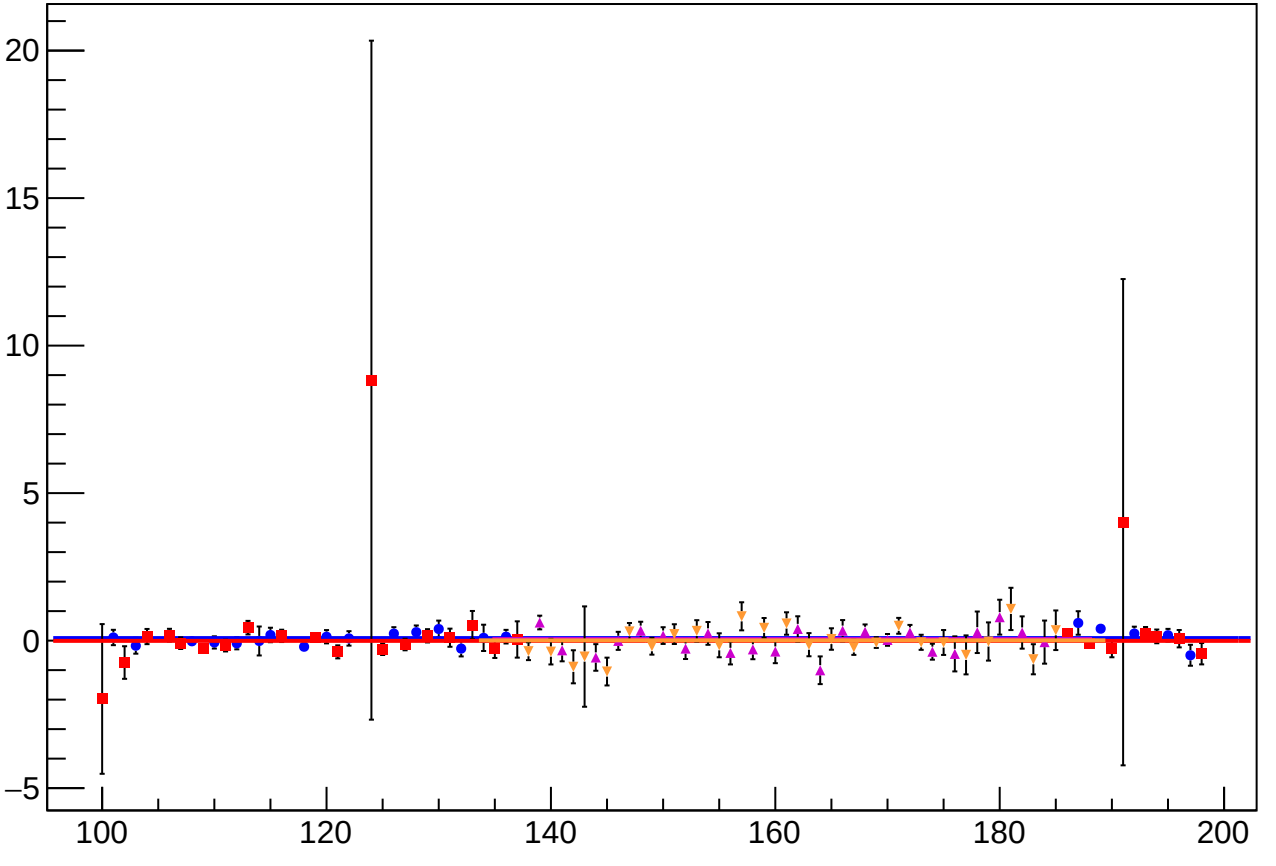
Right: 139.680+/-0.023 χ^2/NDF: 6038075.2/47

In: 196.383+/-0.029 χ^2/NDF:9646157.0/43

Out: 171.993+/-0.026 χ^2/NDF:15918226.6/51

All: 182.710+/-0.019 χ^2/NDF: 25964432.2/95

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

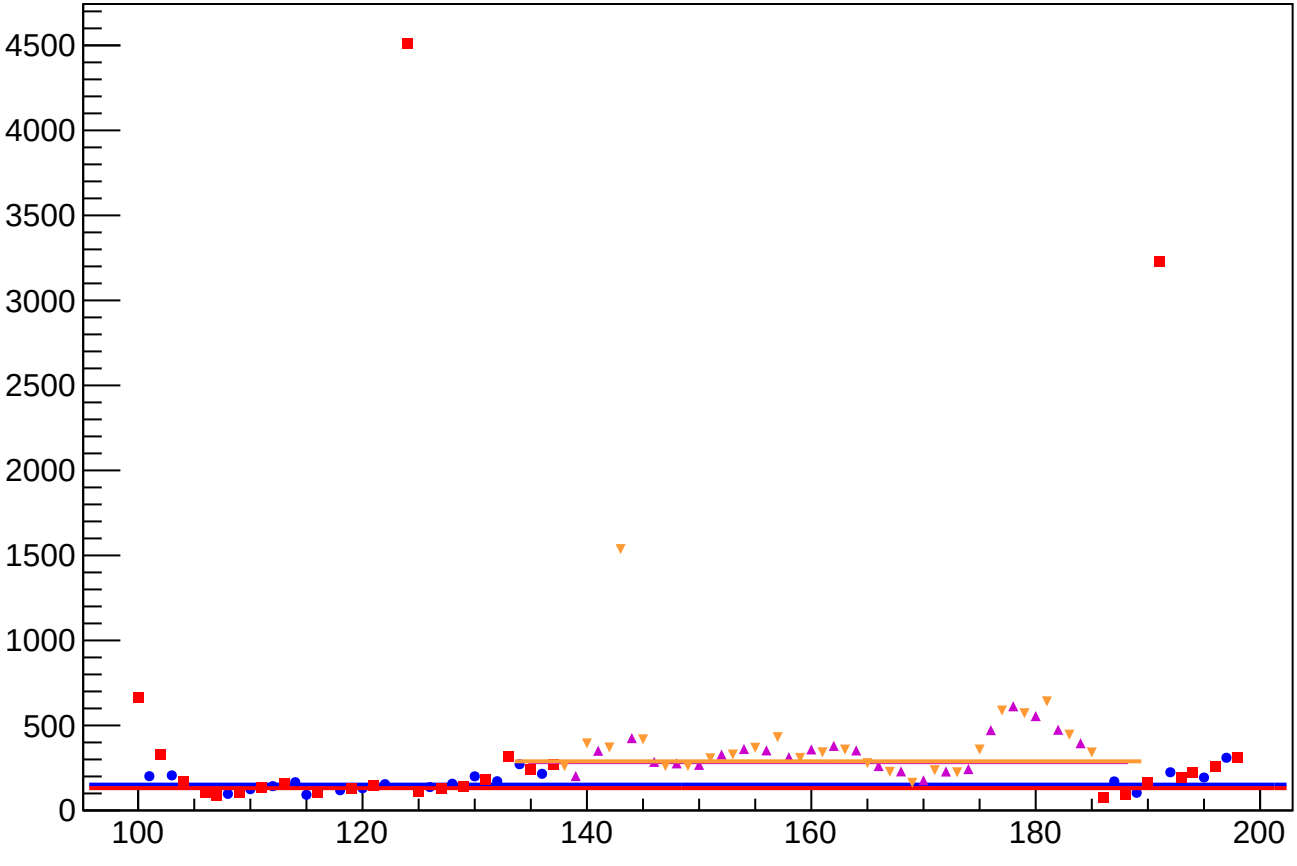
Right: 0.031+/-0.032 χ^2/NDF: 50.9/47

In: 0.075+/-0.041 χ^2/NDF:47.7/43

Out: -0.004+/-0.036 χ^2/NDF:57.9/51

All: 0.031+/-0.027 χ^2/NDF: 107.7/95

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 151.892+/-0.035 χ^2/NDF: 1883420.2/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 131.106+/-0.030 χ^2/NDF: 3952543.6/26

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

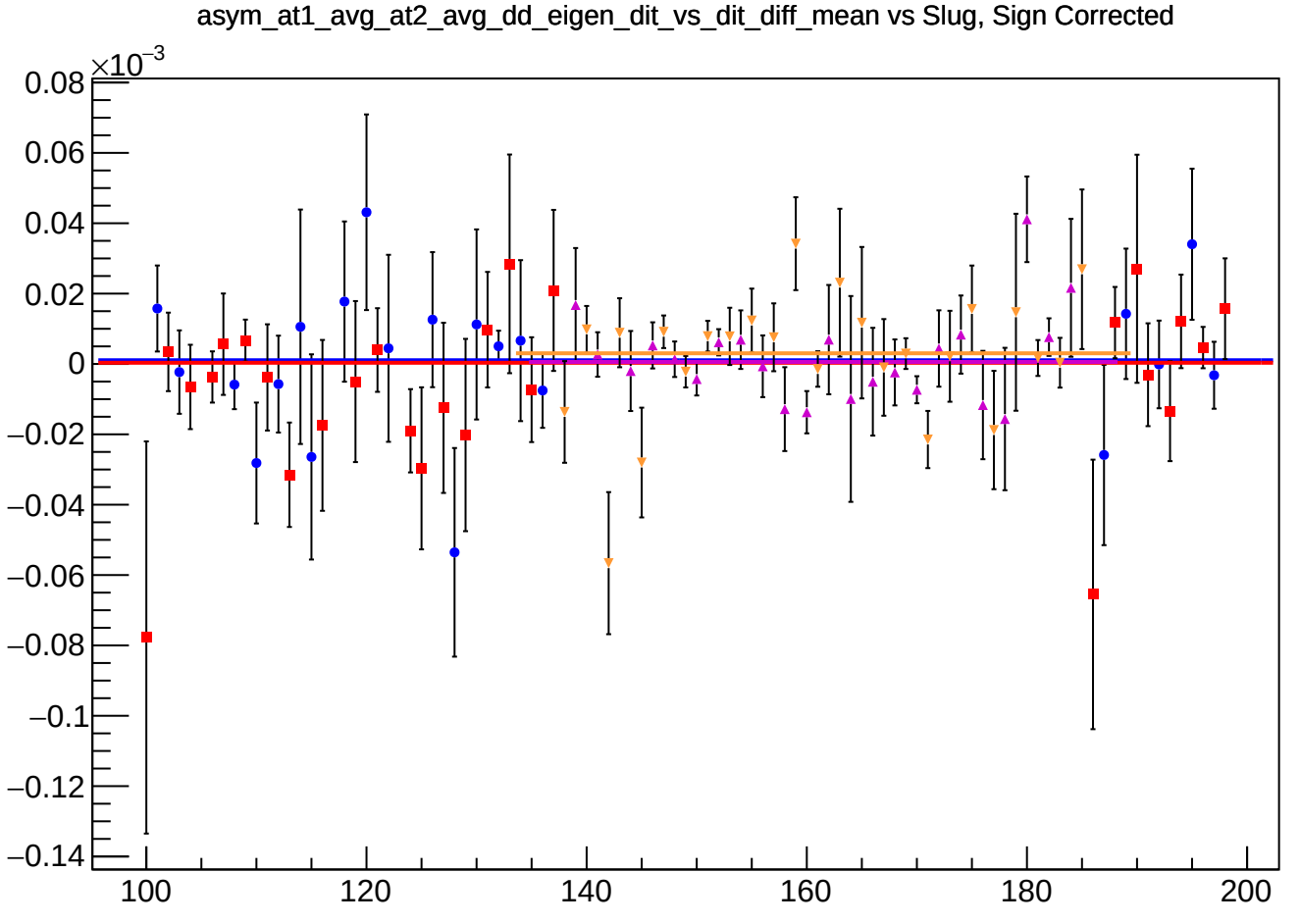
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 139.680+/-0.023 χ^2/NDF: 6038075.2/47

In: 196.383+/-0.029 χ^2/NDF:9646157.0/43

Out: 171.993+/-0.026 χ^2/NDF:15918226.6/51

All: 182.710+/-0.019 χ^2/NDF: 25964432.2/95



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/26

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

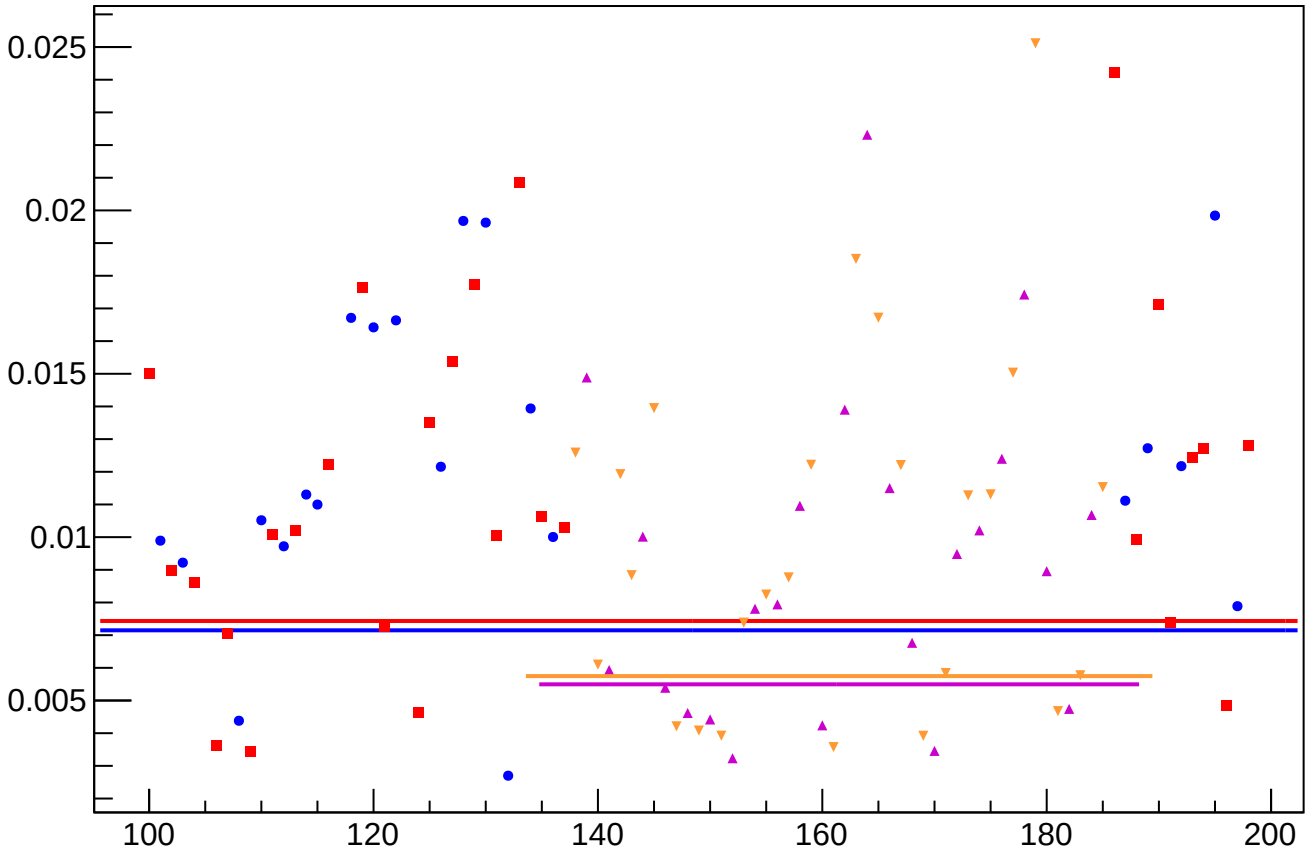
Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

Right: 0.000+/-0.000 χ^2/NDF: 44.2/47

In: 0.000+/-0.000 χ^2/NDF:52.3/43

Out: 0.000+/-0.000 χ^2/NDF:68.2/51

All: 0.000+/-0.000 χ^2/NDF: 121.2/95



Right In: 0.007+/-0.000 χ^2/NDF: 6044687.7/20

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 5374345.7/26

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

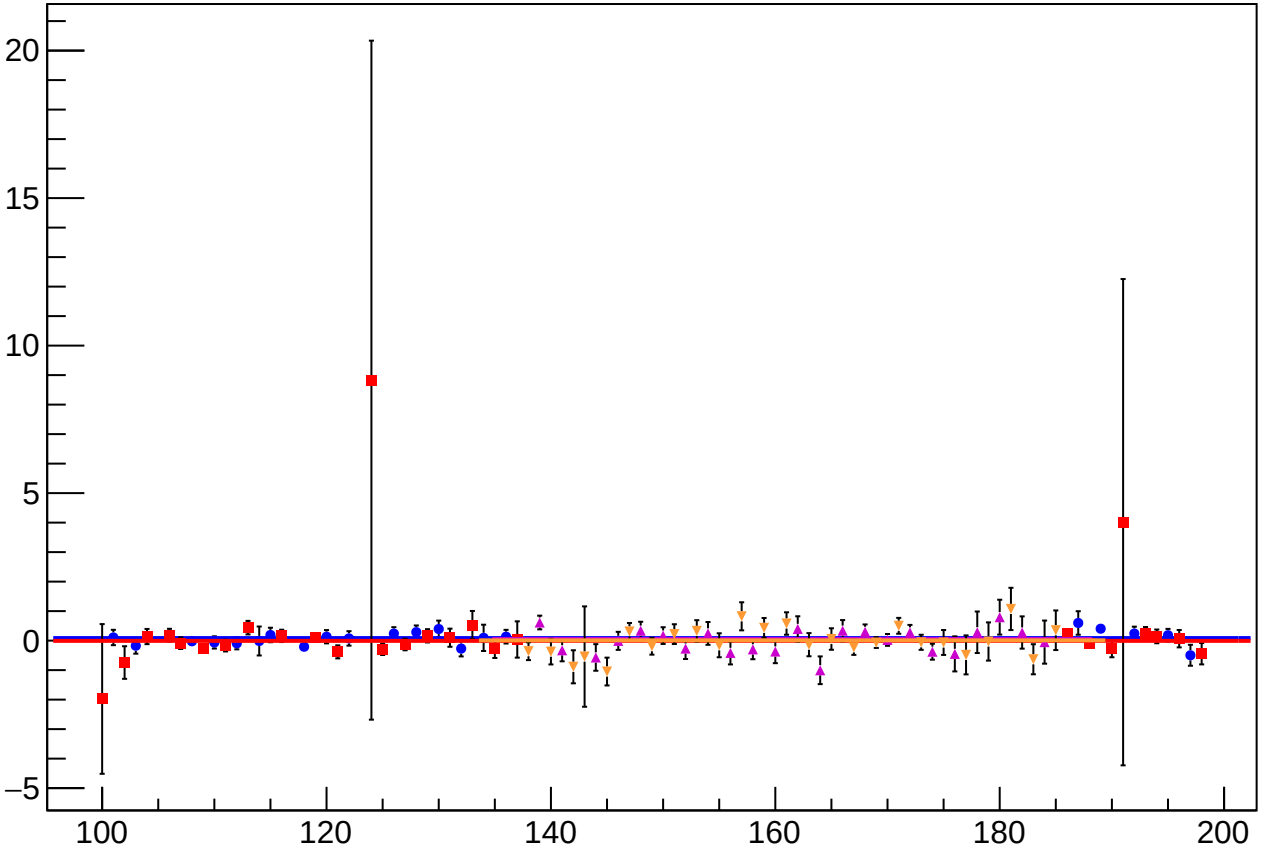
Right: 0.007+/-0.000 χ^2/NDF: 11431643.2/47

In: 0.006+/-0.000 χ^2/NDF:13563003.1/43

Out: 0.006+/-0.000 χ^2/NDF:14198612.3/51

All: 0.006+/-0.000 χ^2/NDF: 27823921.8/95

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

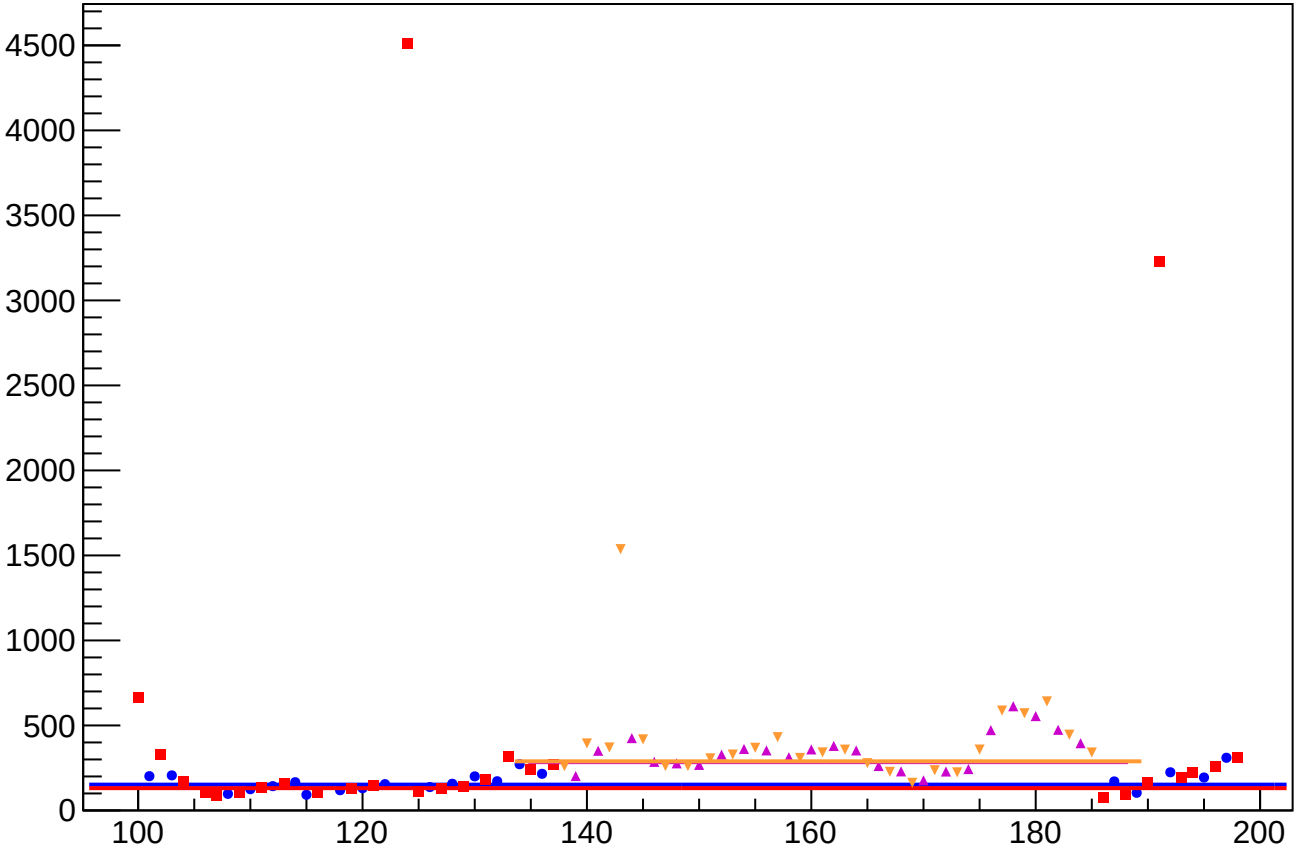
Right: 0.031+/-0.032 χ^2/NDF: 50.9/47

In: 0.075+/-0.041 χ^2/NDF:47.7/43

Out: -0.004+/-0.036 χ^2/NDF:57.9/51

All: 0.031+/-0.027 χ^2/NDF: 107.7/95

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 151.892+/-0.035 χ^2/NDF: 1883398.8/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 131.107+/-0.030 χ^2/NDF: 3952371.6/26

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

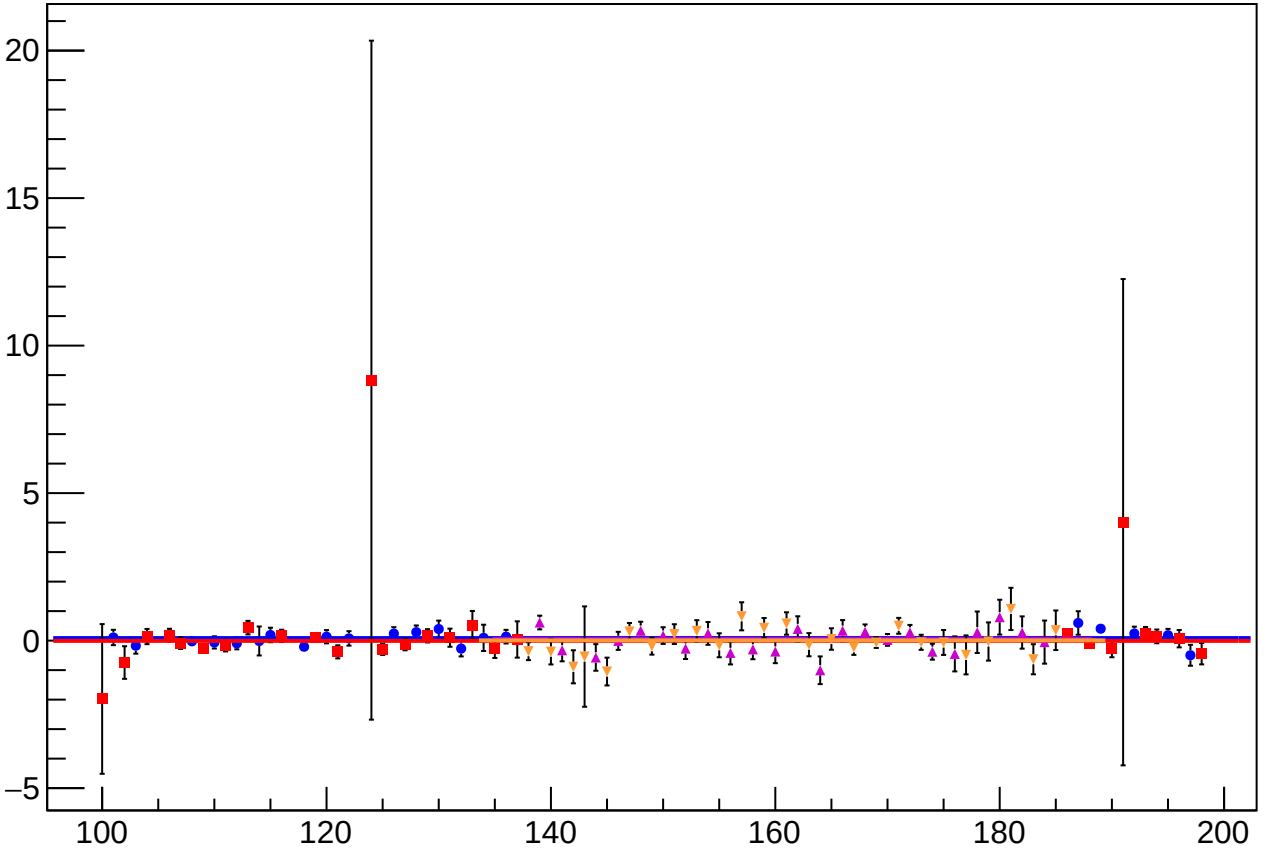
Right: 139.680+/-0.023 χ^2/NDF: 6037835.5/47

In: 196.382+/-0.029 χ^2/NDF:9646360.4/43

Out: 171.995+/-0.026 χ^2/NDF:15918031.3/51

All: 182.710+/-0.019 χ^2/NDF: 25964366.1/95

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

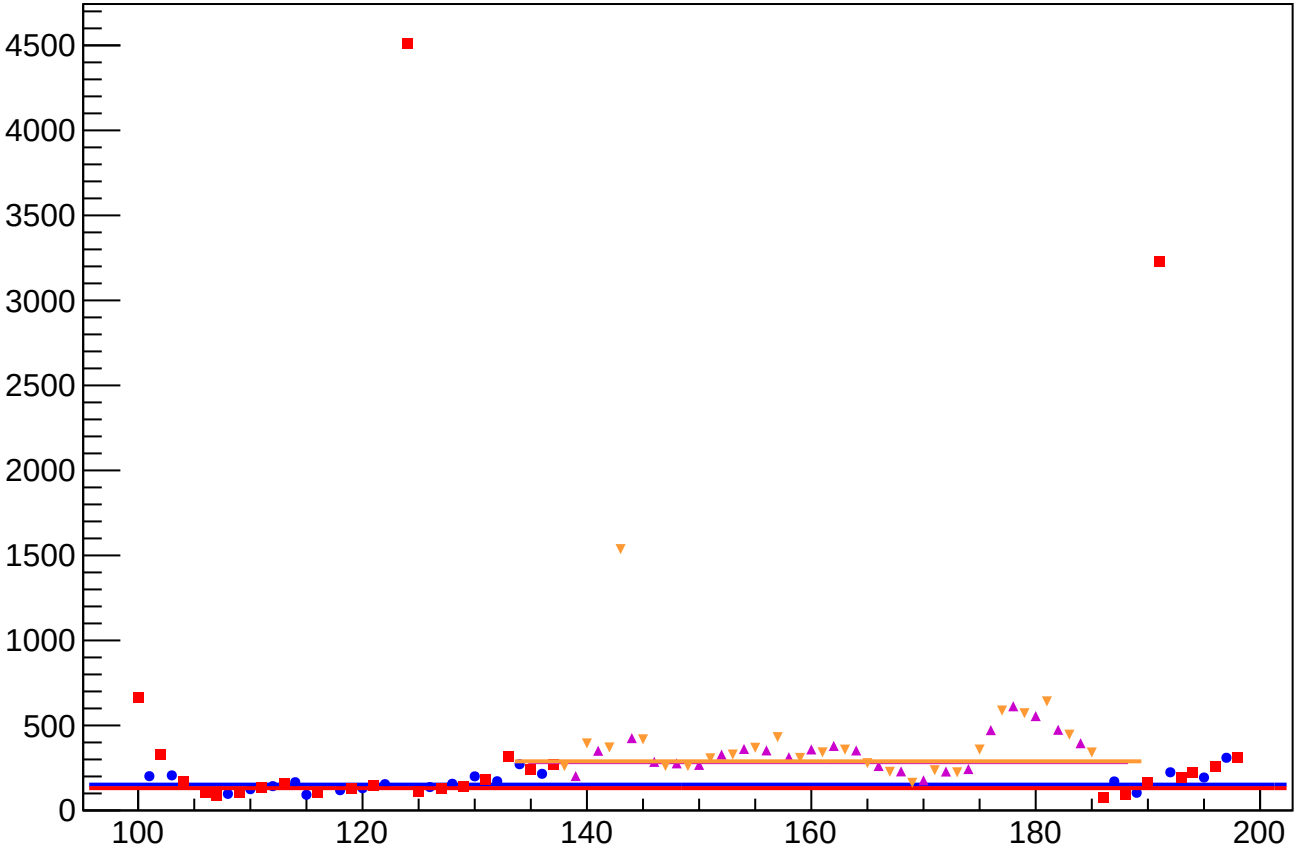
Right: 0.031+/-0.032 χ^2/NDF: 50.9/47

In: 0.075+/-0.041 χ^2/NDF:47.7/43

Out: -0.004+/-0.036 χ^2/NDF:57.9/51

All: 0.031+/-0.027 χ^2/NDF: 107.7/95

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 151.892+/-0.035 χ^2/NDF: 1883398.8/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 131.107+/-0.030 χ^2/NDF: 3952371.6/26

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

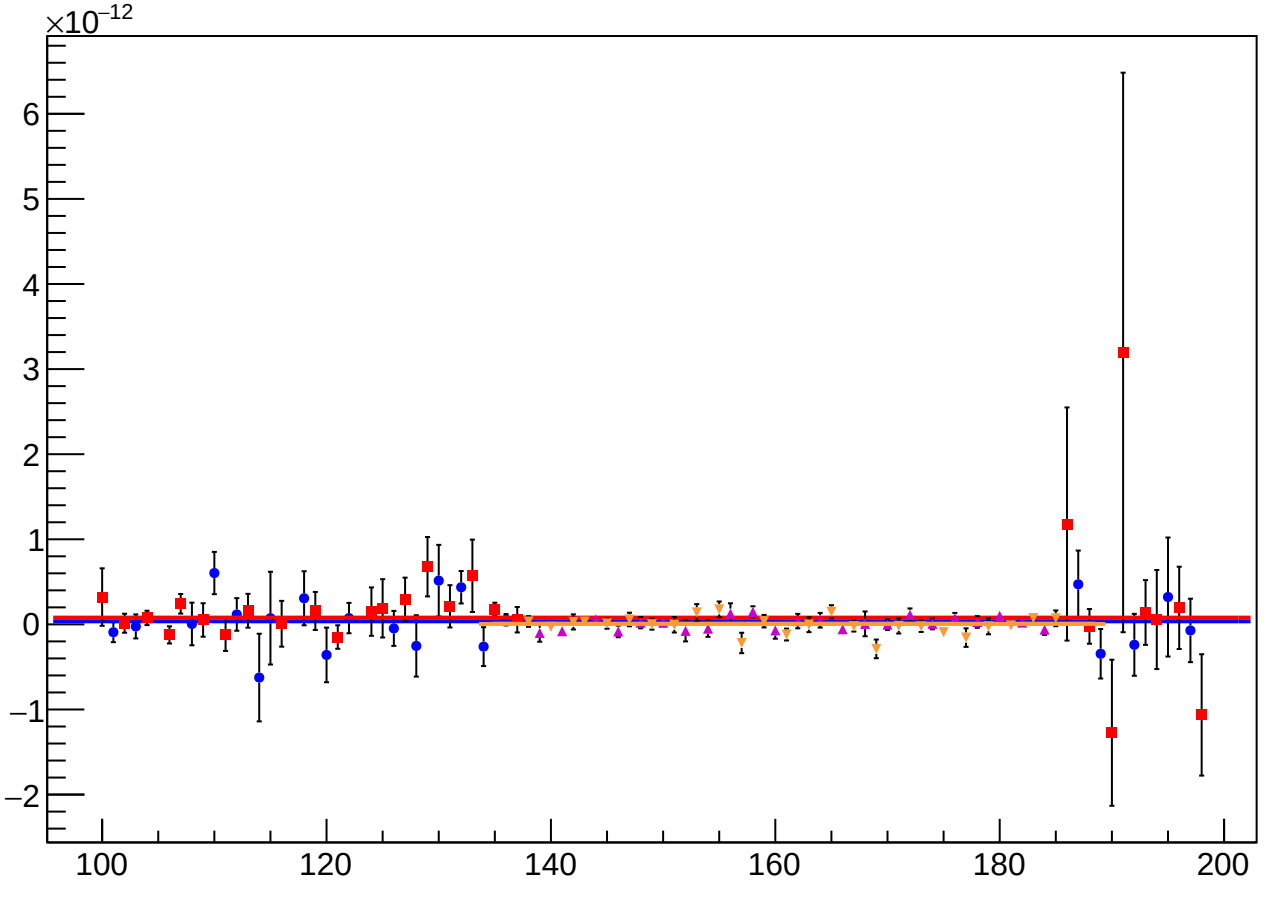
Right: 139.680+/-0.023 χ^2/NDF: 6037835.5/47

In: 196.382+/-0.029 χ^2/NDF:9646360.4/43

Out: 171.995+/-0.026 χ^2/NDF:15918031.3/51

All: 182.710+/-0.019 χ^2/NDF: 25964366.1/95

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.2/26

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

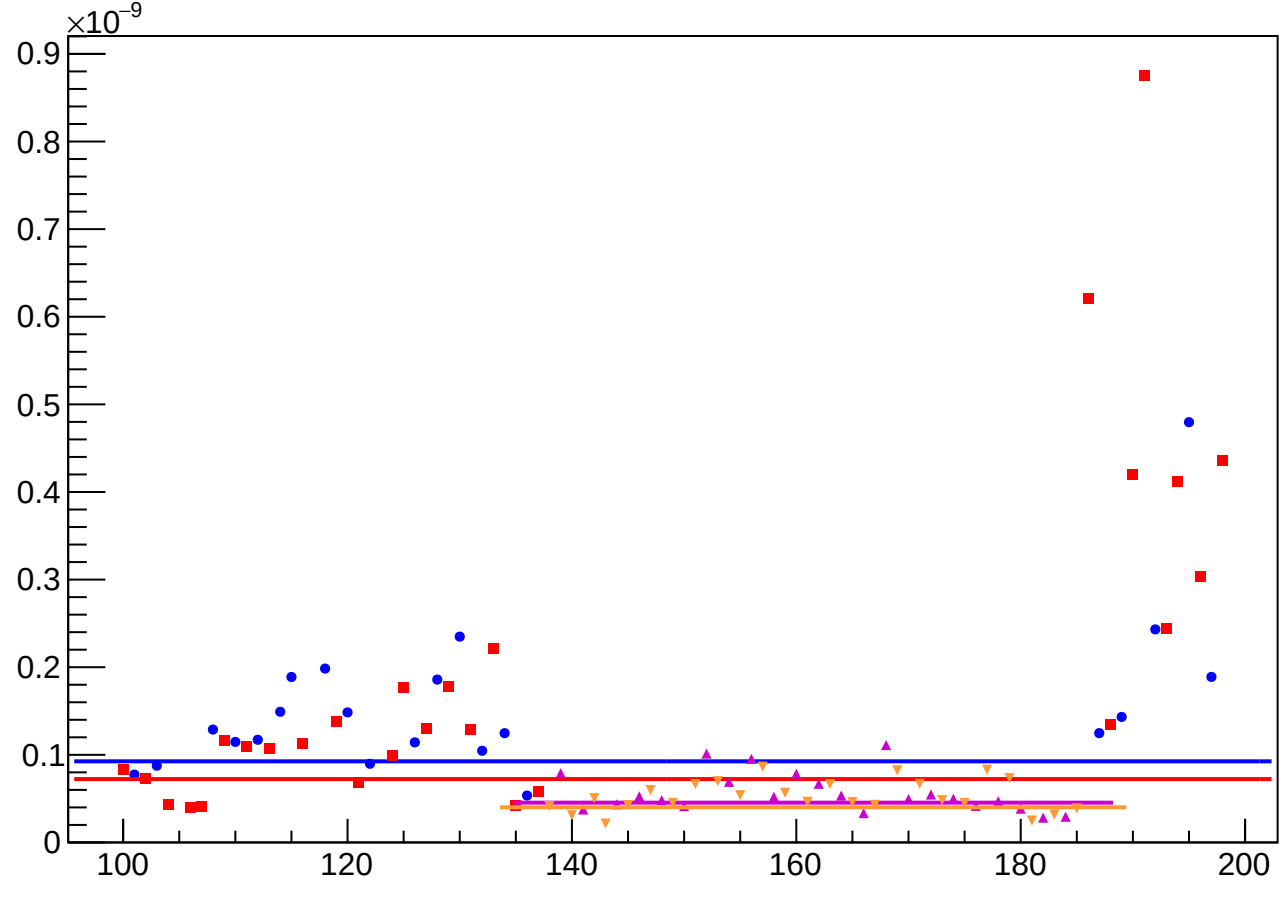
Right: 0.000+/-0.000 χ^2/NDF: 48.6/47

In: 0.000+/-0.000 χ^2/NDF:46.2/43

Out: 0.000+/-0.000 χ^2/NDF:63.6/51

All: 0.000+/-0.000 χ^2/NDF: 109.8/95

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: 2771415.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5262858.4/26

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

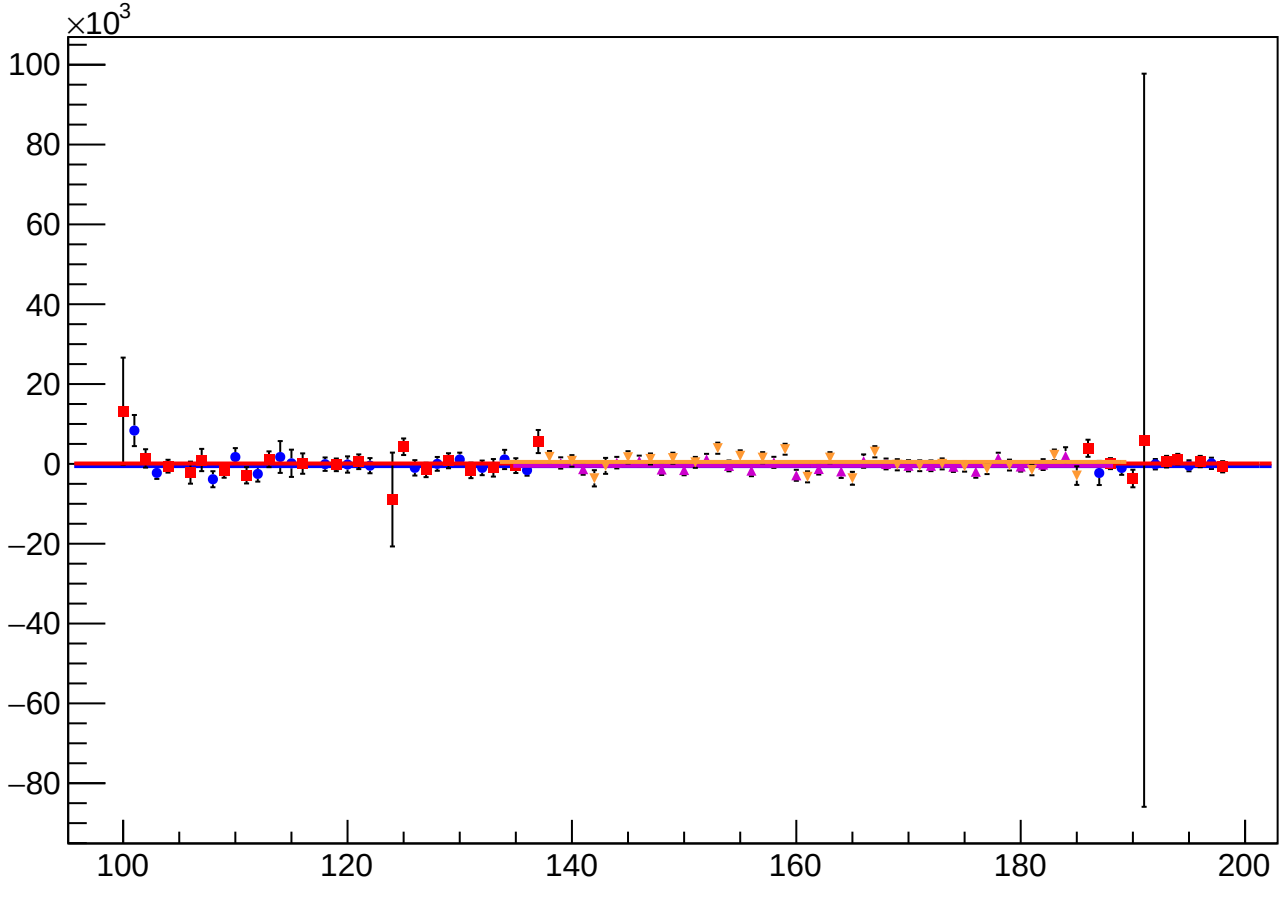
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 8323751.4/47

In: 0.000+/-0.000 χ^2/NDF:7890178.1/43

Out: 0.000+/-0.000 χ^2/NDF:10512283.4/51

All: 0.000+/-0.000 χ^2/NDF: 18649807.4/95



Right In: -554.707+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 94.811+/-372.963 χ^2/NDF: 23.3/26

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

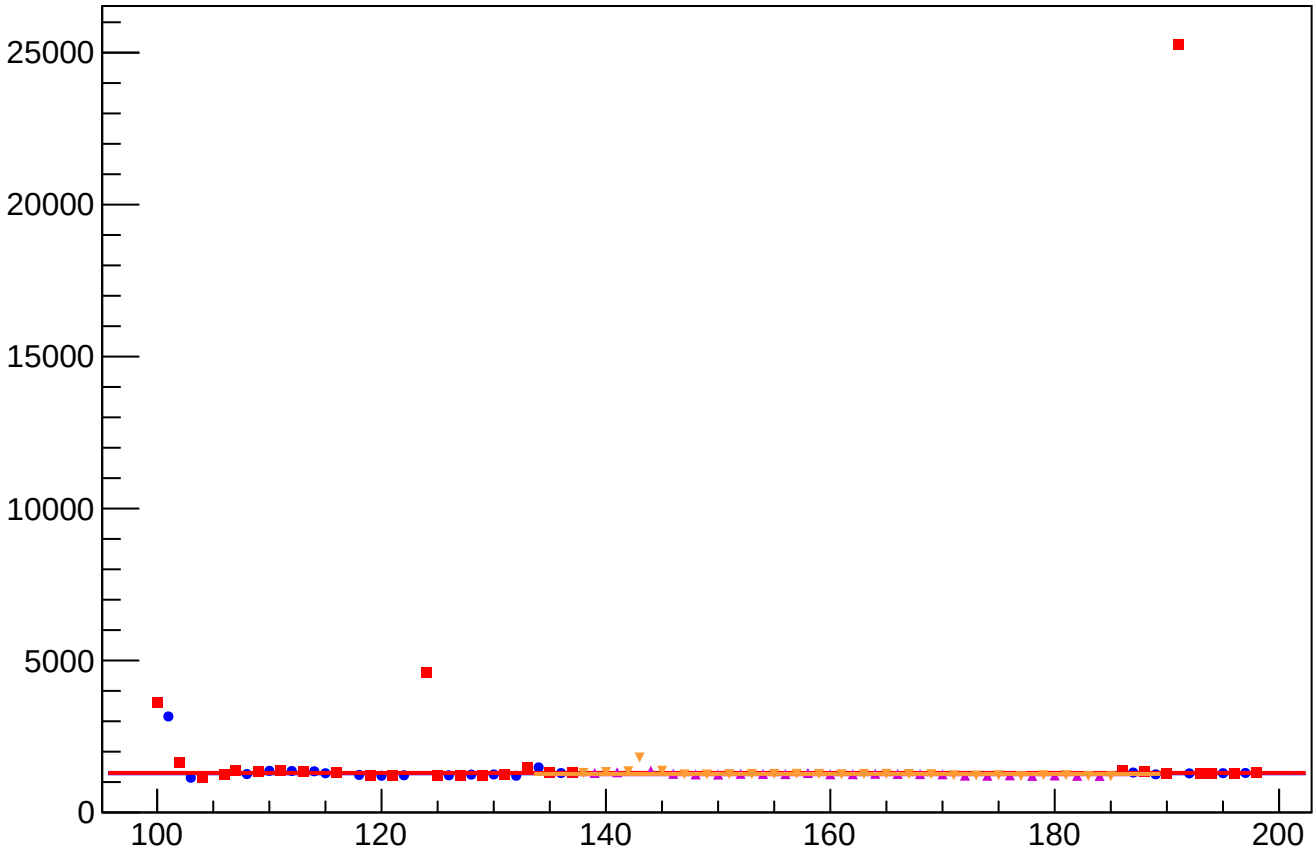
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -207.160+/-272.821 χ^2/NDF: 39.4/47

In: -510.598+/-236.799 χ^2/NDF:29.1/43

Out: 343.352+/-228.194 χ^2/NDF:70.9/51

All: -67.827+/-164.315 χ^2/NDF: 106.8/95



Right In: 1288.745+/-0.283 χ^2/NDF: 515758.7/20

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1300.666+/-0.263 χ^2/NDF: 465813.1/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

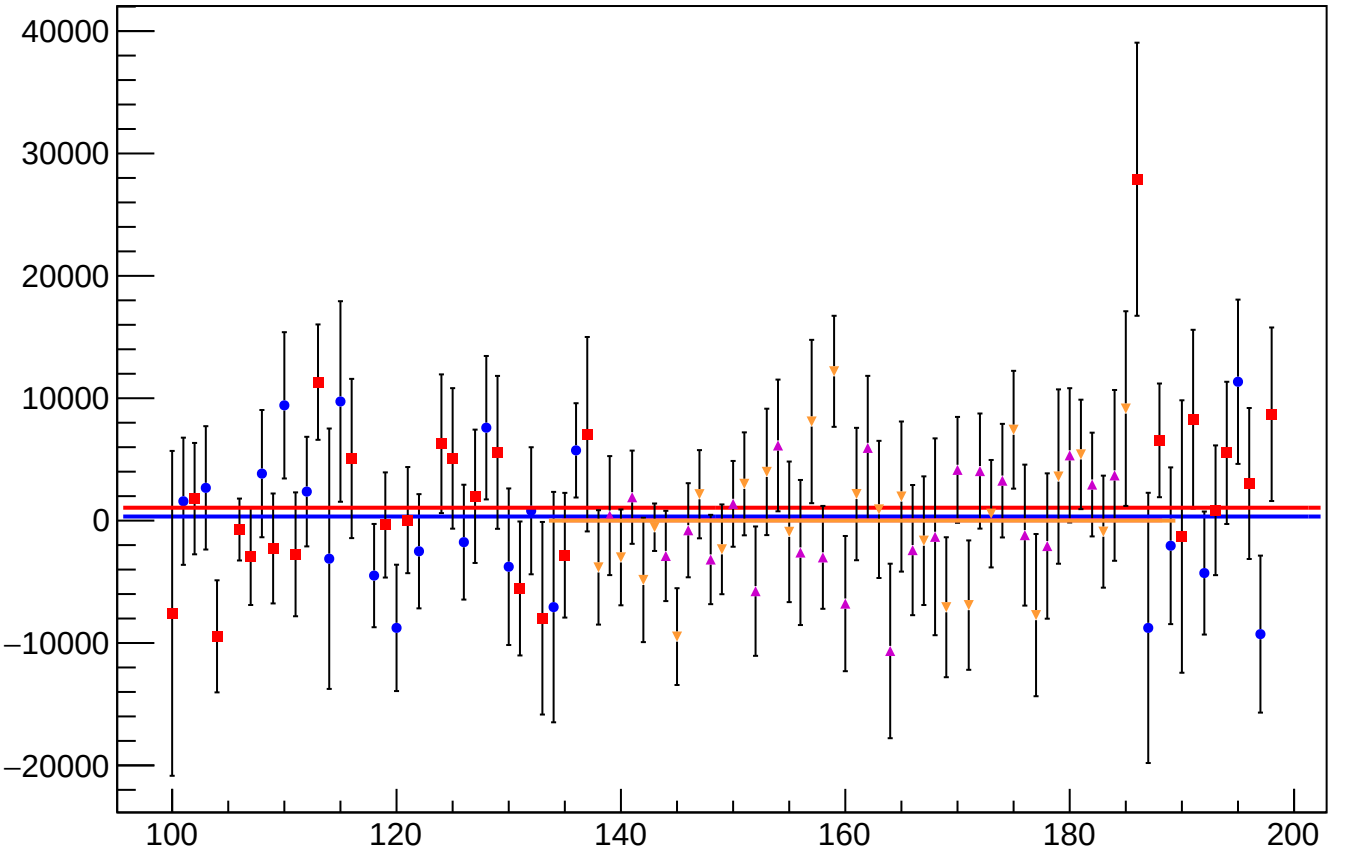
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1295.133+/-0.193 χ^2/NDF: 982523.1/47

In: 1268.477+/-0.167 χ^2/NDF:560473.2/43

Out: 1279.607+/-0.161 χ^2/NDF:663593.6/51

All: 1274.251+/-0.116 χ^2/NDF: 1226358.9/95



Right In: 334.878+/-1205.577 χ^2/NDF: 20.8/20

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 1054.355+/-998.678 χ^2/NDF: 29.5/26

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

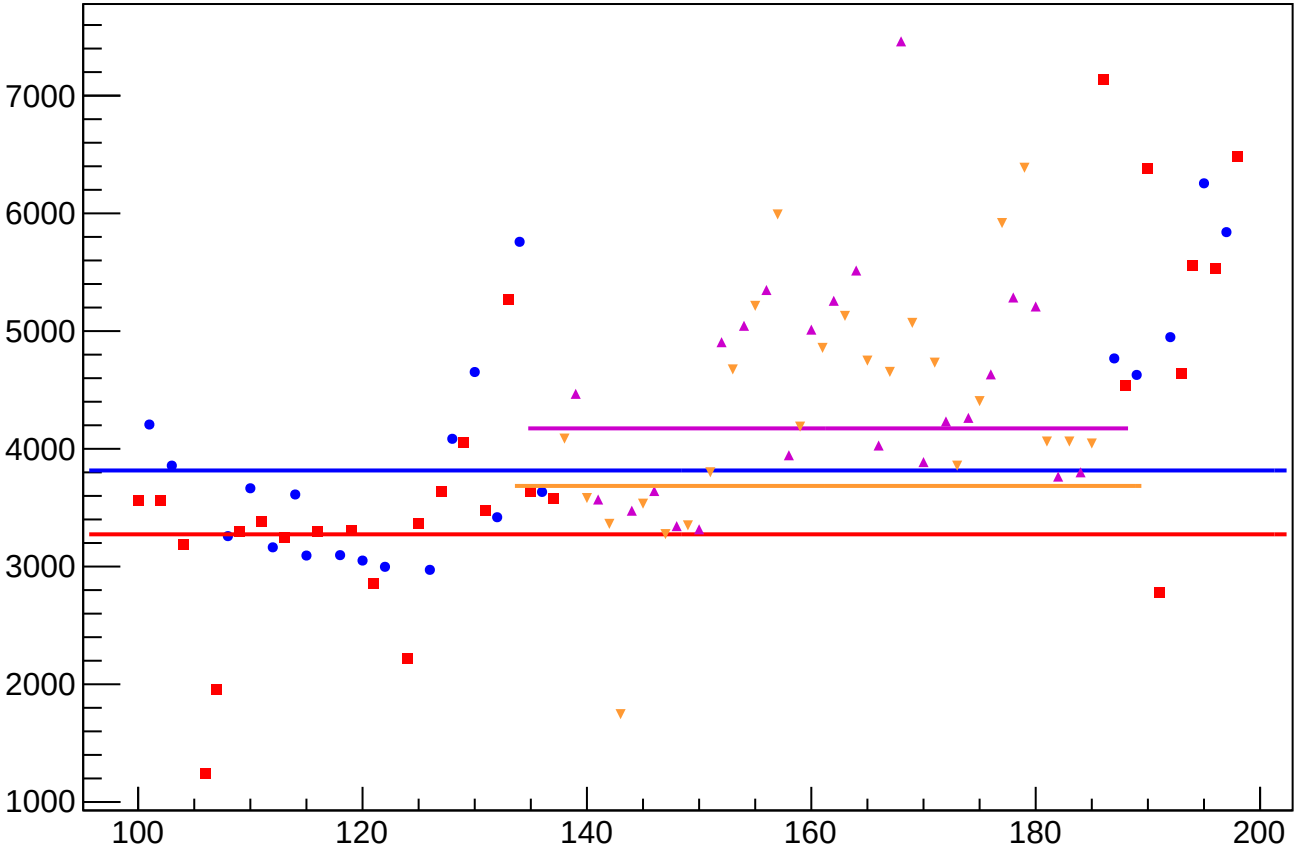
Right: 761.560+/-769.075 χ^2/NDF: 50.5/47

In: 154.528+/-767.552 χ^2/NDF:34.9/43

Out: 464.314+/-662.973 χ^2/NDF:59.2/51

All: 331.948+/-501.725 χ^2/NDF: 94.1/95

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3816.131+/-0.852 χ^2/NDF: 1074419.0/20

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3273.733+/-0.706 χ^2/NDF: 3466611.3/26

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

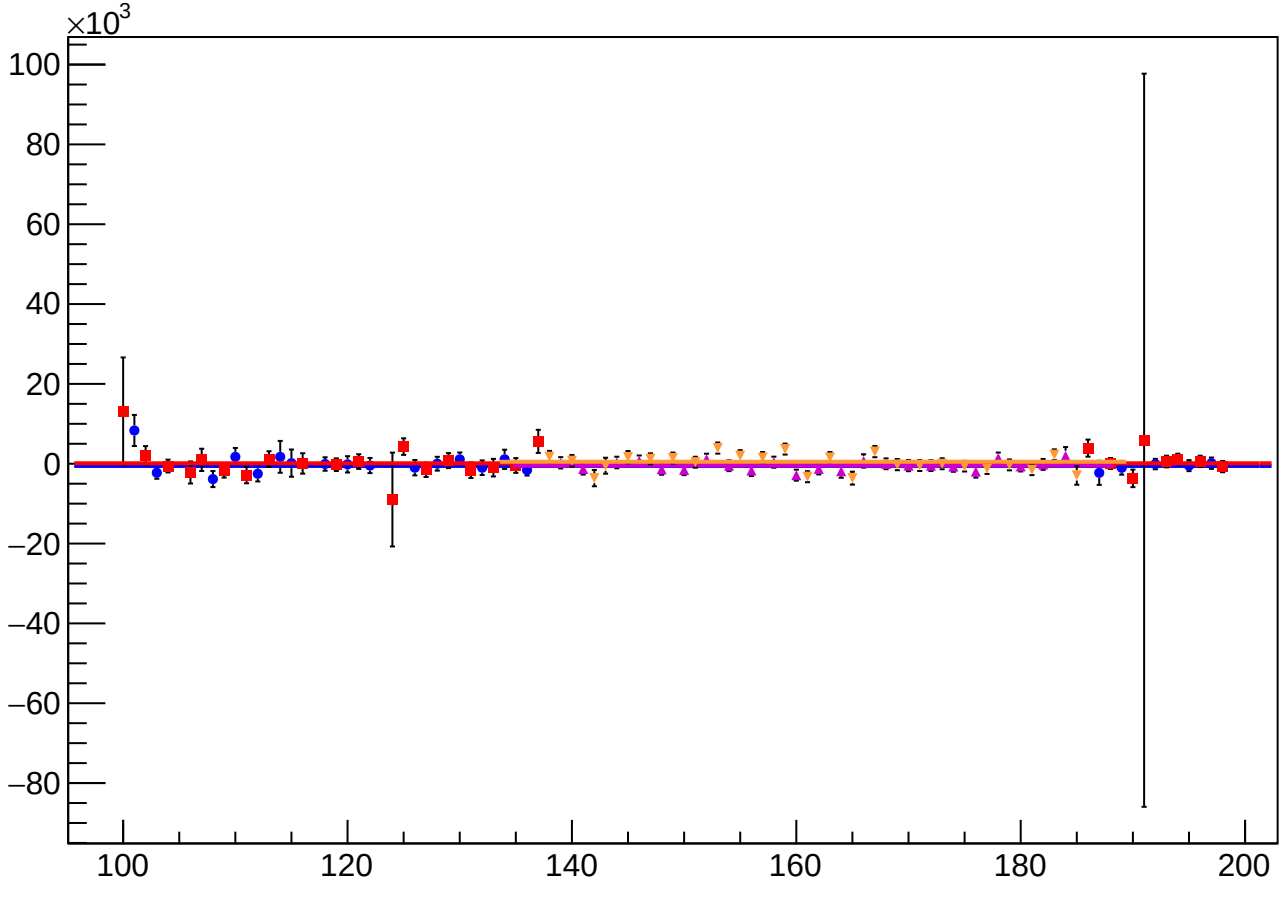
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3494.465+/-0.544 χ^2/NDF: 4781114.2/47

In: 4028.676+/-0.543 χ^2/NDF:2453925.9/43

Out: 3503.626+/-0.469 χ^2/NDF:7349747.5/51

All: 3727.971+/-0.355 χ^2/NDF: 10339661.8/9



Right In: -554.967+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 111.879+/-373.108 χ^2/NDF: 23.7/26

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

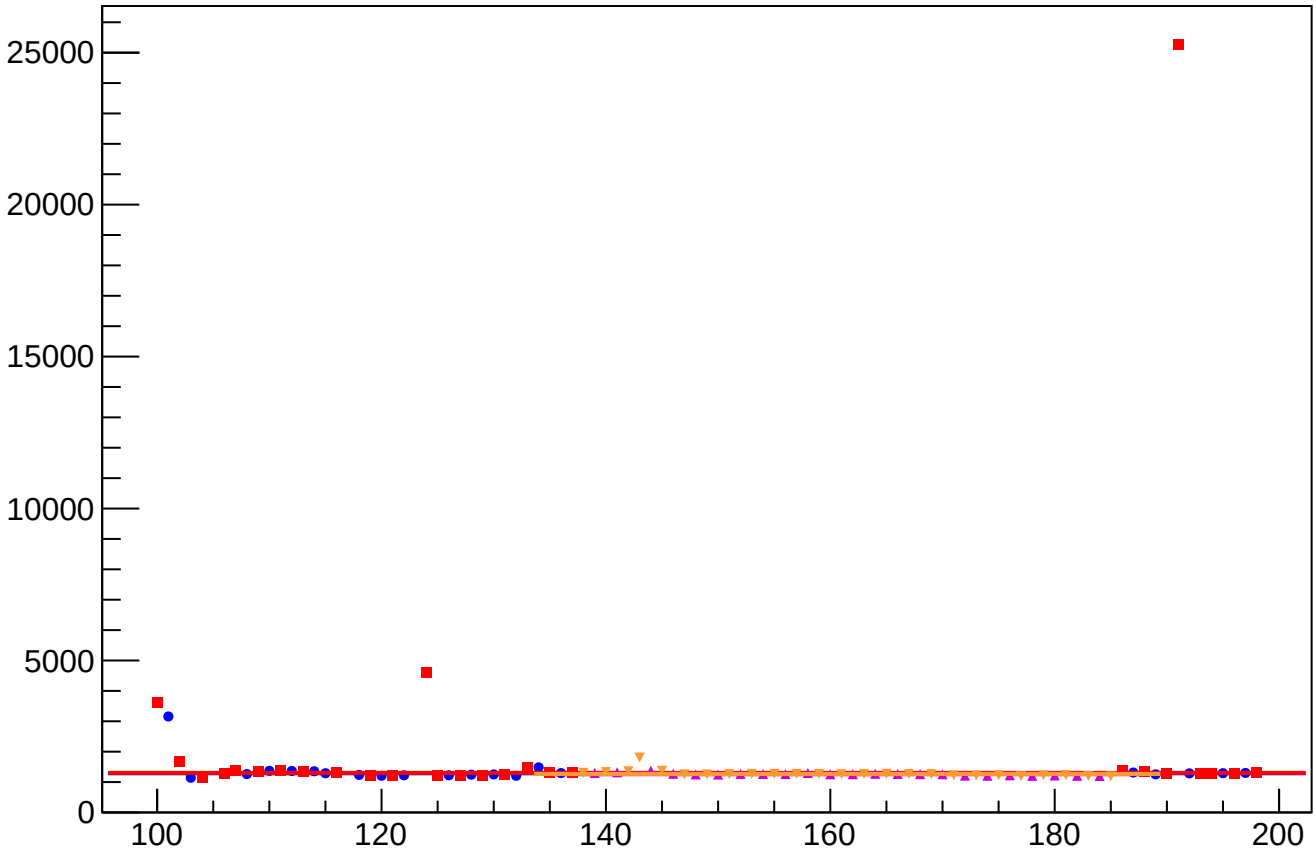
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -198.276+/-272.877 χ^2/NDF: 39.9/47

In: -510.623+/-236.799 χ^2/NDF:29.1/43

Out: 349.820+/-228.227 χ^2/NDF:71.3/51

All: -64.547+/-164.328 χ^2/NDF: 107.2/95



Right In: 1288.745+/-0.283 χ^2/NDF: 515760.2/20

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1301.856+/-0.264 χ^2/NDF: 472291.3/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

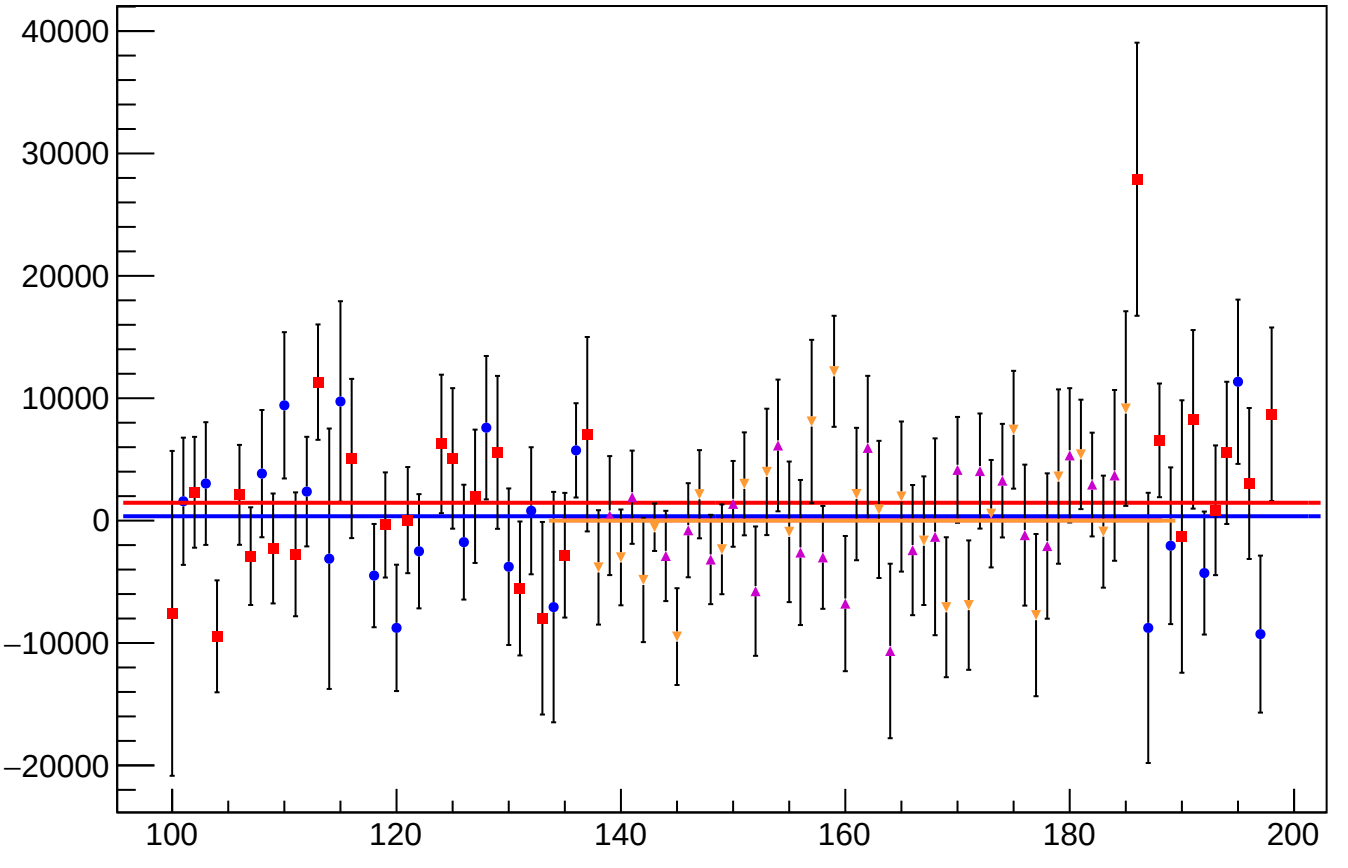
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1295.765+/-0.193 χ^2/NDF: 989201.5/47

In: 1268.477+/-0.167 χ^2/NDF:560474.6/43

Out: 1280.040+/-0.161 χ^2/NDF:670796.3/51

All: 1274.474+/-0.116 χ^2/NDF: 1233744.0/95



Right In: 356.476+/-1205.235 χ^2/NDF: 20.9/20

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1458.117+/-1050.045 χ^2/NDF: 29.0/26

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

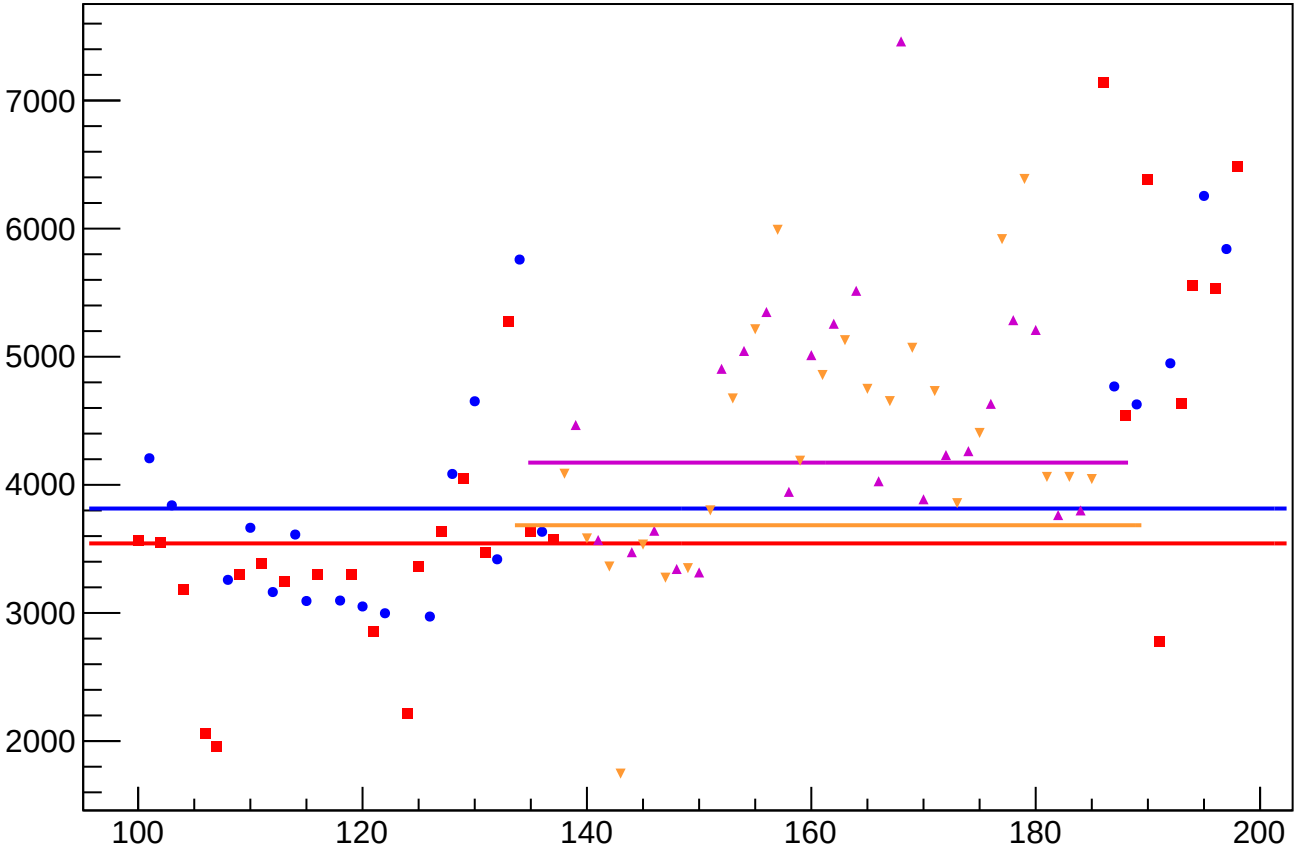
Right: 982.746+/-791.714 χ^2/NDF: 50.3/47

In: 163.329+/-767.462 χ^2/NDF:34.9/43

Out: 606.464+/-677.372 χ^2/NDF:59.1/51

All: 412.421+/-507.854 χ^2/NDF: 94.3/95

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3815.200+/-0.852 χ^2/NDF: 1074394.6/20

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3542.906+/-0.742 χ^2/NDF: 2220097.4/26

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

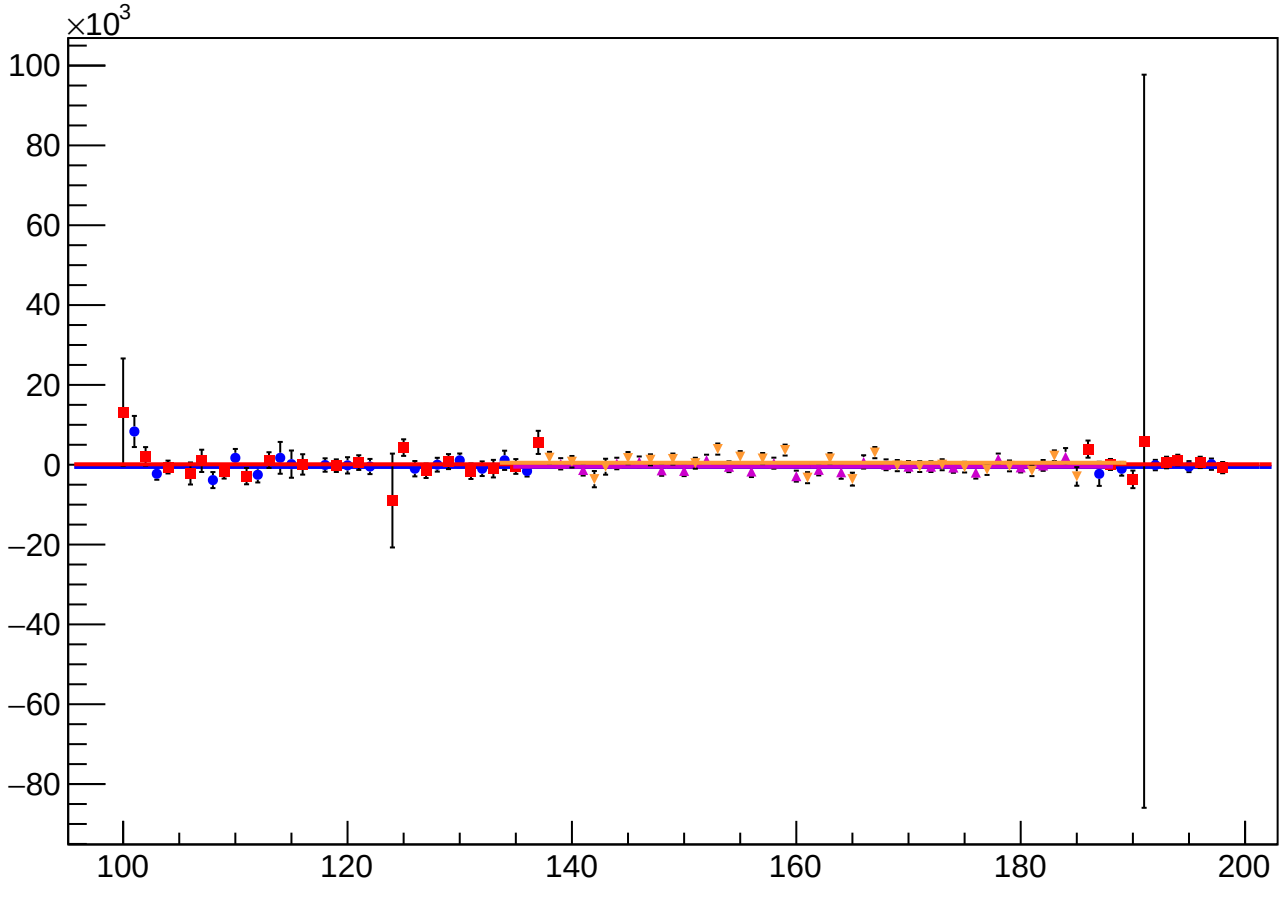
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3660.404+/-0.560 χ^2/NDF: 3352526.0/47

In: 4028.246+/-0.543 χ^2/NDF:2454477.9/43

Out: 3625.730+/-0.479 χ^2/NDF:5935096.3/51

All: 3801.987+/-0.359 χ^2/NDF: 8698820.3/95



Right In: -554.967+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 111.879+/-373.108 χ^2/NDF: 23.7/26

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

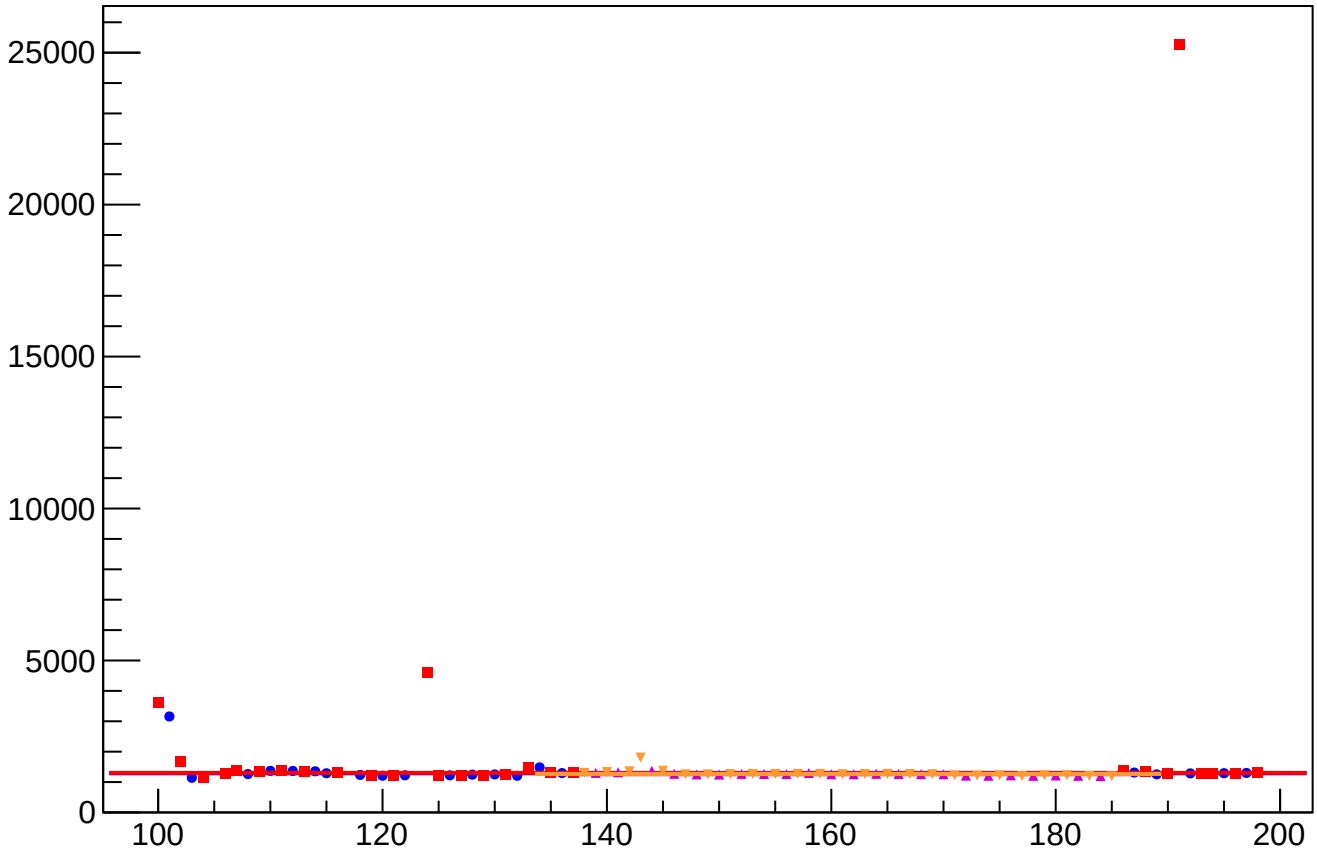
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -198.276+/-272.877 χ^2/NDF: 39.9/47

In: -510.623+/-236.799 χ^2/NDF:29.1/43

Out: 349.820+/-228.227 χ^2/NDF:71.3/51

All: -64.547+/-164.328 χ^2/NDF: 107.2/95



Right In: 1288.745+/-0.283 χ^2/NDF: 515760.2/20

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1301.856+/-0.264 χ^2/NDF: 472291.3/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

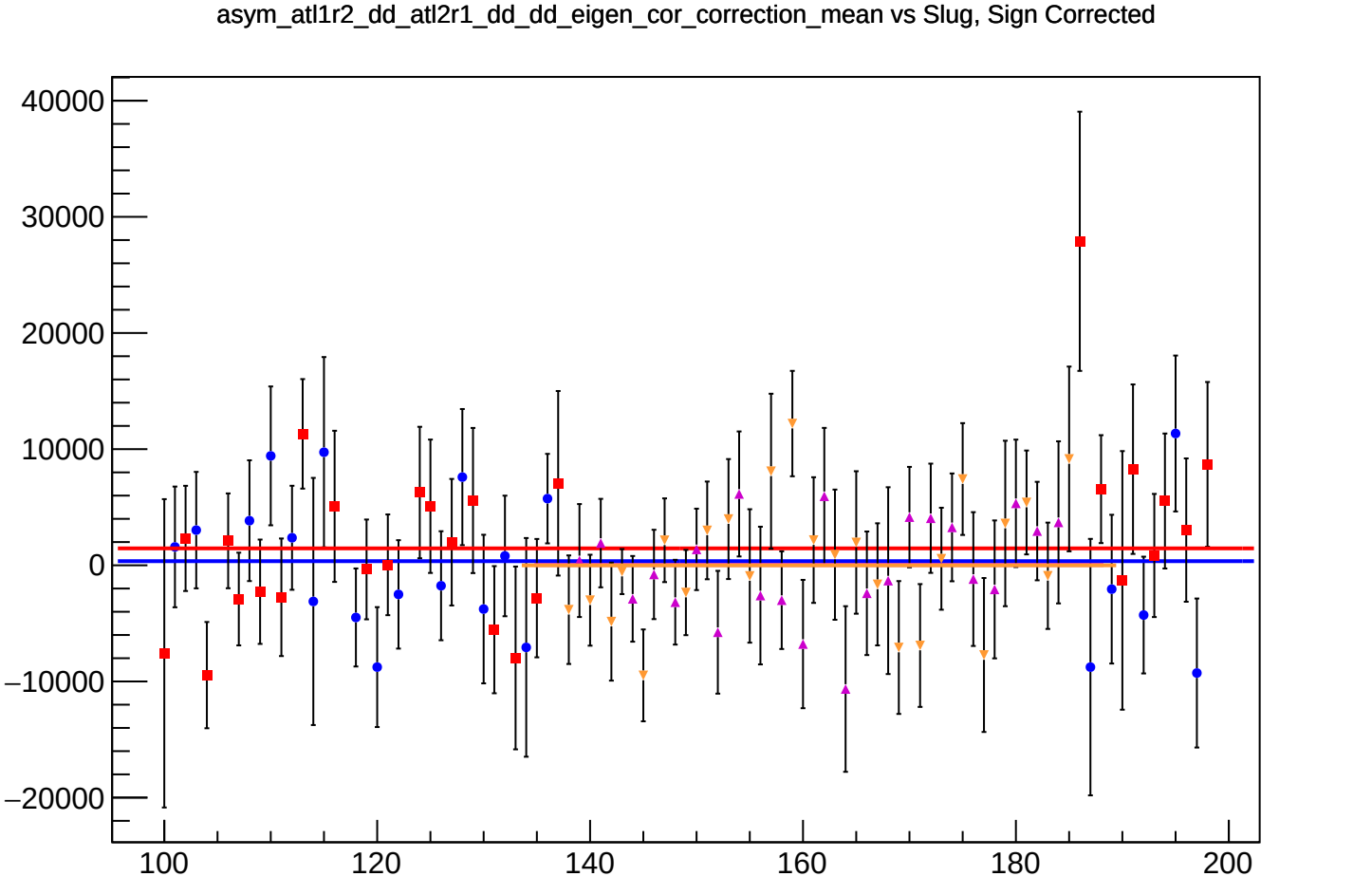
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1295.765+/-0.193 χ^2/NDF: 989201.5/47

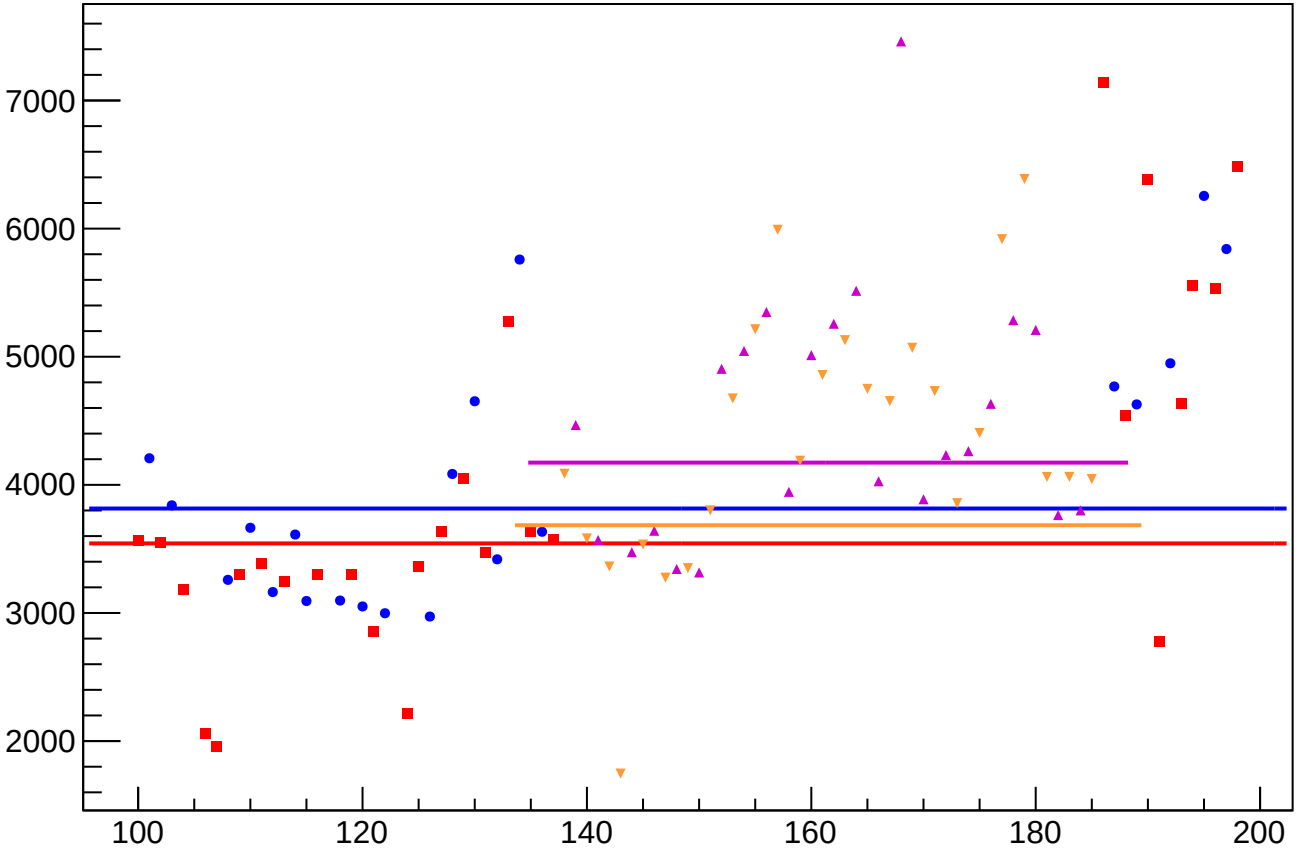
In: 1268.477+/-0.167 χ^2/NDF:560474.6/43

Out: 1280.040+/-0.161 χ^2/NDF:670796.3/51

All: 1274.474+/-0.116 χ^2/NDF: 1233744.0/95


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 356.476+/-1205.235 χ²/NDF: 20.9/20
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: 1458.117+/-1050.045 χ²/NDF: 29.0/26
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 982.746+/-791.714 χ²/NDF: 50.3/47
In: 163.329+/-767.462 χ²/NDF:34.9/43
Out: 606.464+/-677.372 χ²/NDF:59.1/51
All: 412.421+/-507.854 χ²/NDF: 94.3/95

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3815.200+/-0.852 χ^2/NDF: 1074394.6/20

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3542.906+/-0.742 χ^2/NDF: 2220097.4/26

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

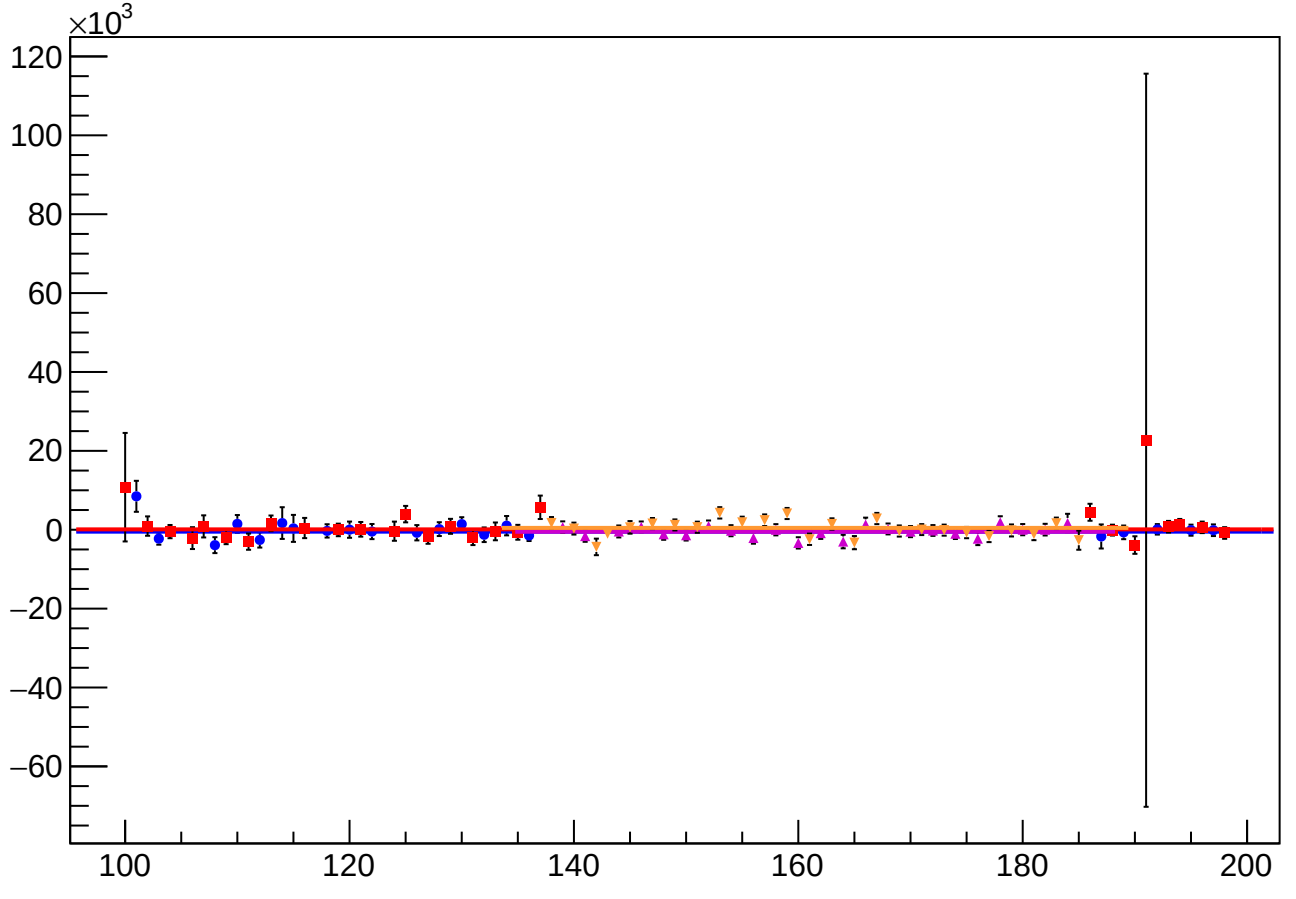
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3660.404+/-0.560 χ^2/NDF: 3352526.0/47

In: 4028.246+/-0.543 χ^2/NDF:2454477.9/43

Out: 3625.730+/-0.479 χ^2/NDF:5935096.3/51

All: 3801.987+/-0.359 χ^2/NDF: 8698820.3/95



Right In: -485.743+/-405.931 χ^2/NDF: 14.7/20

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 93.322+/-374.882 χ^2/NDF: 24.0/26

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

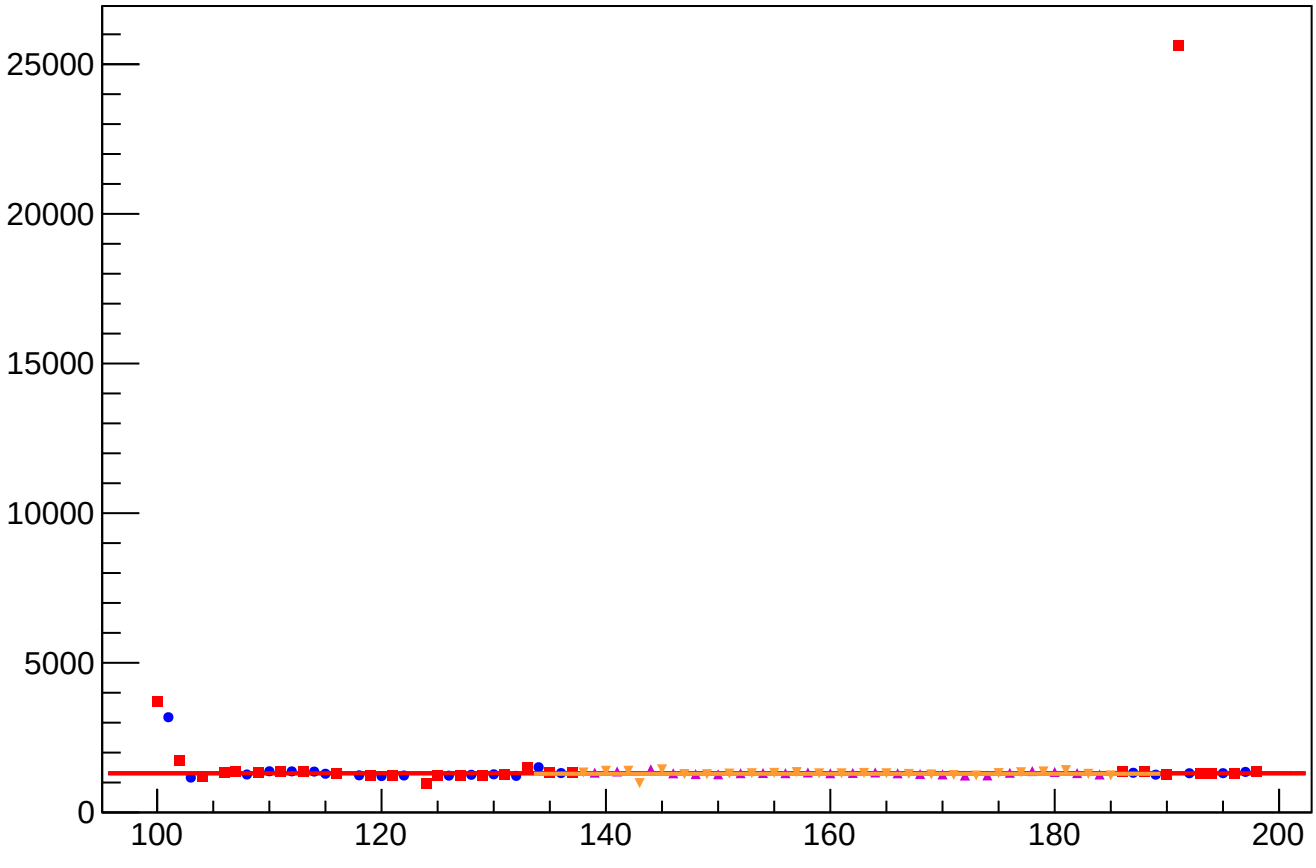
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -173.220+/-275.405 χ^2/NDF: 39.8/47

In: -497.074+/-244.887 χ^2/NDF:32.1/43

Out: 325.116+/-231.468 χ^2/NDF:68.7/51

All: -62.835+/-168.217 χ^2/NDF: 106.8/95



Right In: 1307.353+/-0.287 χ^2/NDF: 514221.9/20

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1310.196+/-0.265 χ^2/NDF: 363097.7/26

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

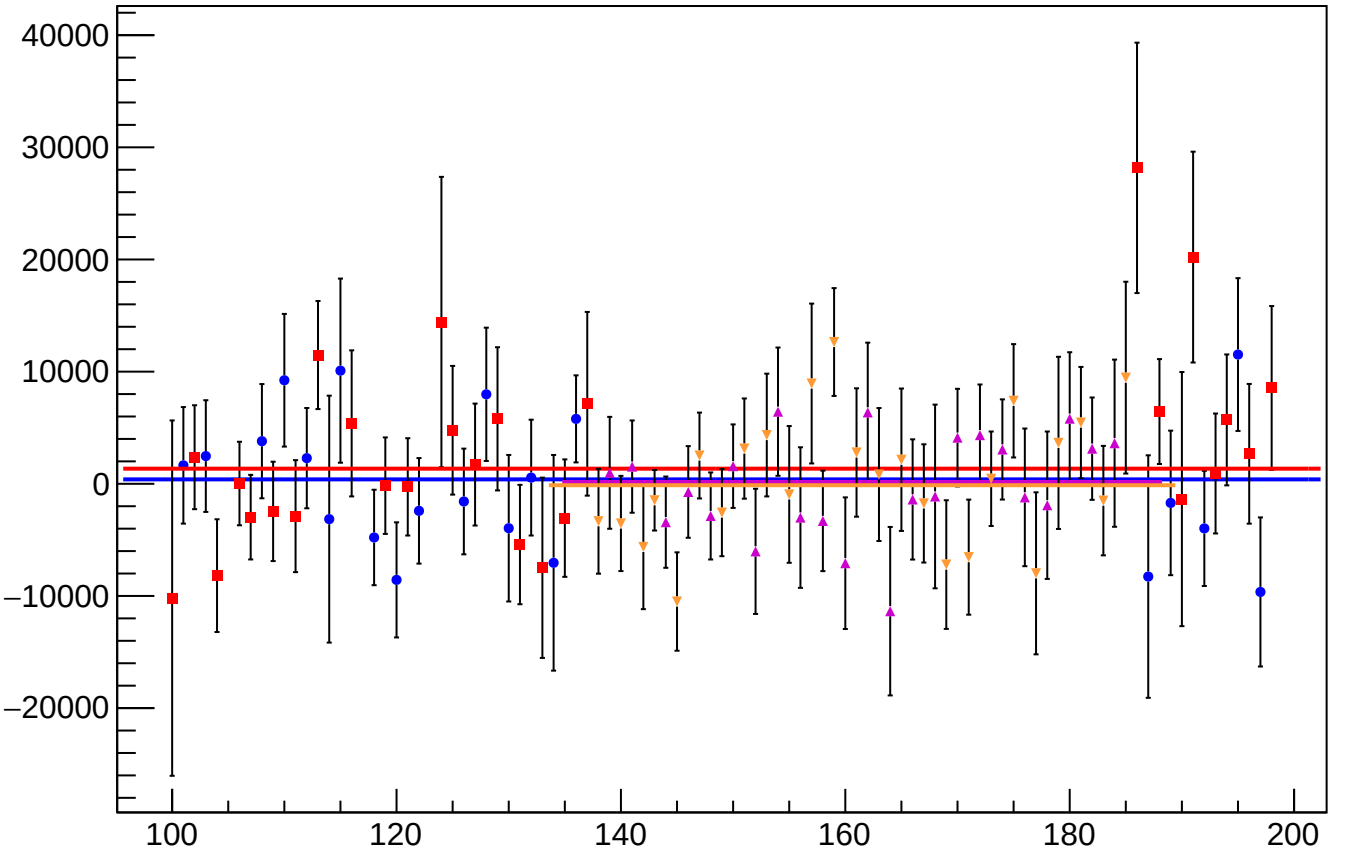
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1308.888+/-0.195 χ^2/NDF: 877372.6/47

In: 1311.585+/-0.173 χ^2/NDF:557608.2/43

Out: 1298.452+/-0.164 χ^2/NDF:597008.5/51

All: 1304.648+/-0.119 χ^2/NDF: 1157654.8/95



Right In: 394.384+/-1210.625 χ^2/NDF: 20.7/20

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1349.010+/-1068.322 χ^2/NDF: 30.7/26

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

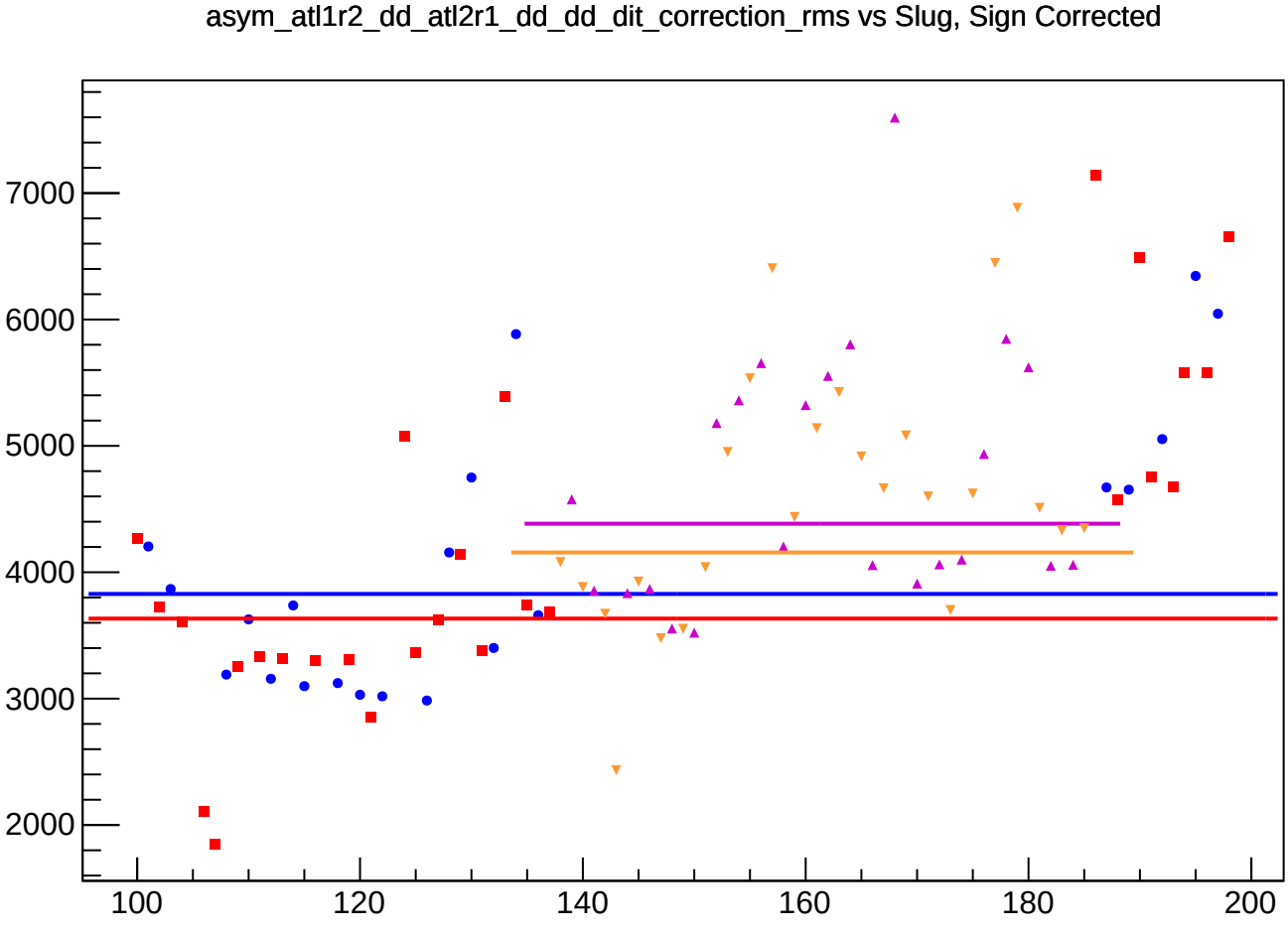
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: 931.075+/-801.028 χ^2/NDF: 51.7/47

In: 259.816+/-791.276 χ^2/NDF:34.5/43

Out: 545.257+/-721.063 χ^2/NDF:60.3/51

All: 415.760+/-532.966 χ^2/NDF: 94.8/95



Right In: 3828.348+/-0.856 χ^2/NDF: 1141062.0/20

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3633.326+/-0.755 χ^2/NDF: 2311441.1/26

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

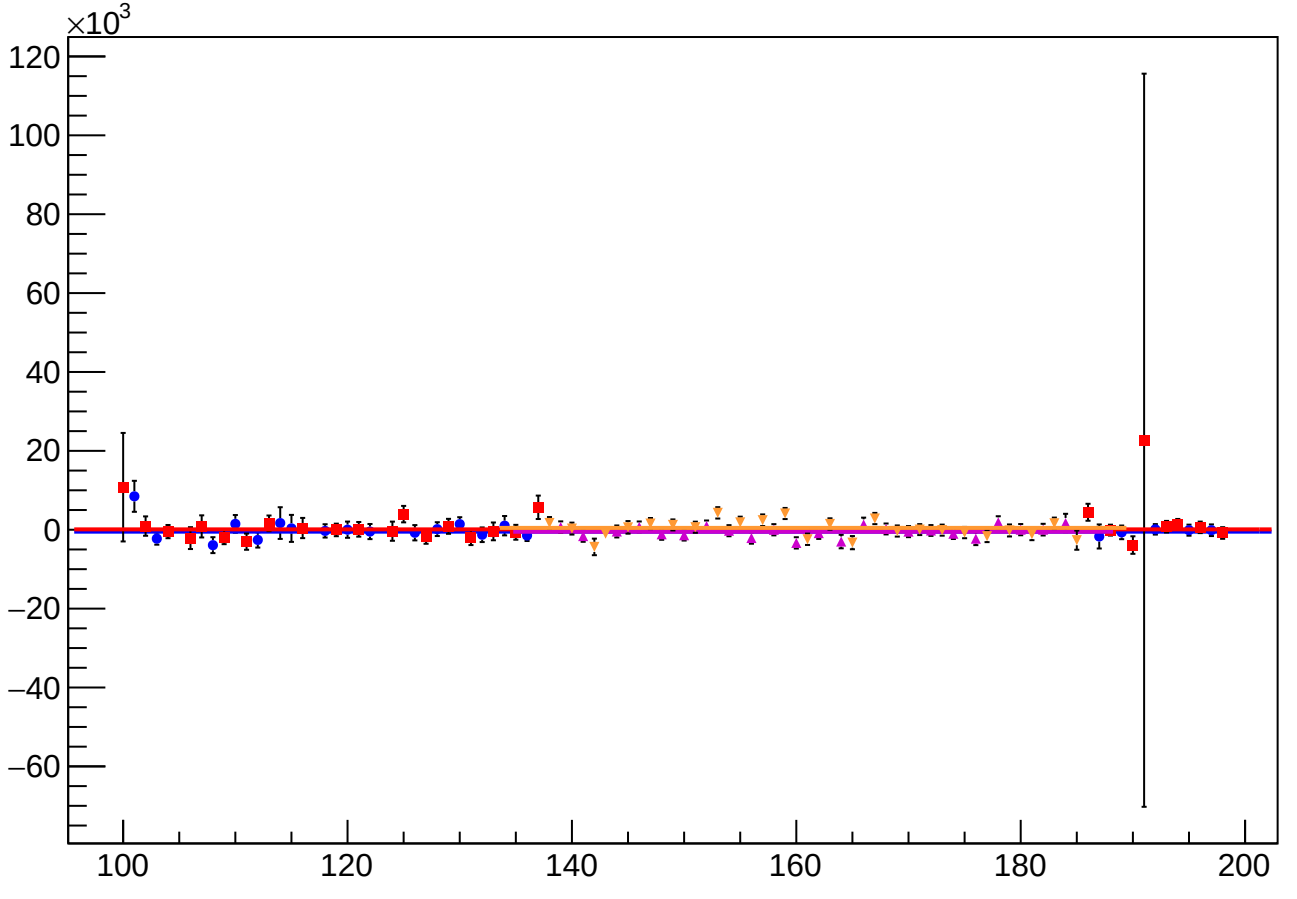
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3718.706+/-0.566 χ^2/NDF: 3481682.0/47

In: 4146.808+/-0.560 χ^2/NDF:2638145.8/43

Out: 3918.209+/-0.510 χ^2/NDF:4653427.1/51

All: 4021.918+/-0.377 χ^2/NDF: 7382768.6/95



Right In: -485.743+/-405.931 χ^2/NDF: 14.7/20

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 93.319+/-374.882 χ^2/NDF: 24.0/26

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

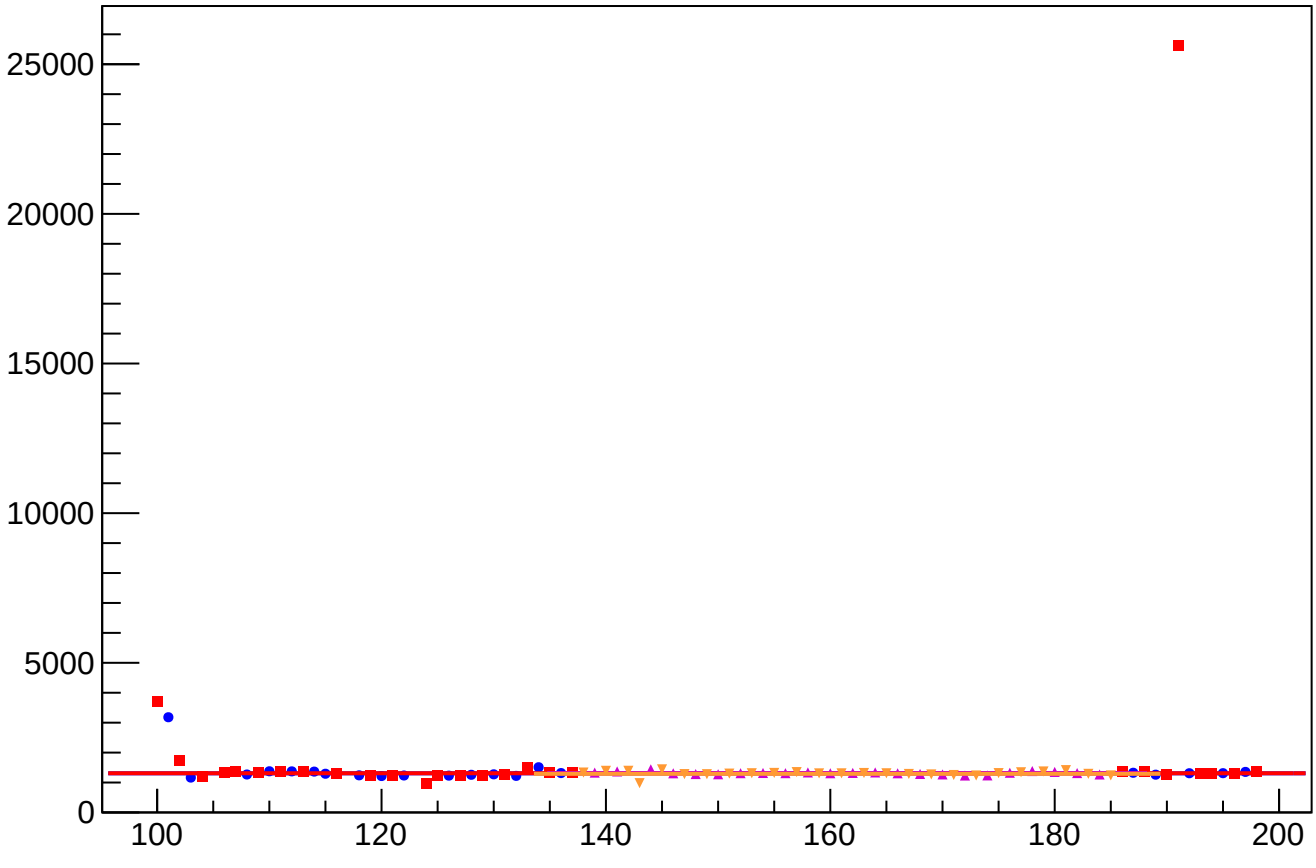
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -173.222+/-275.405 χ^2/NDF: 39.8/47

In: -497.075+/-244.887 χ^2/NDF:32.1/43

Out: 325.117+/-231.468 χ^2/NDF:68.7/51

All: -62.835+/-168.217 χ^2/NDF: 106.8/95



Right In: 1307.353+/-0.287 χ^2/NDF: 514222.1/20

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1310.196+/-0.265 χ^2/NDF: 363098.0/26

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

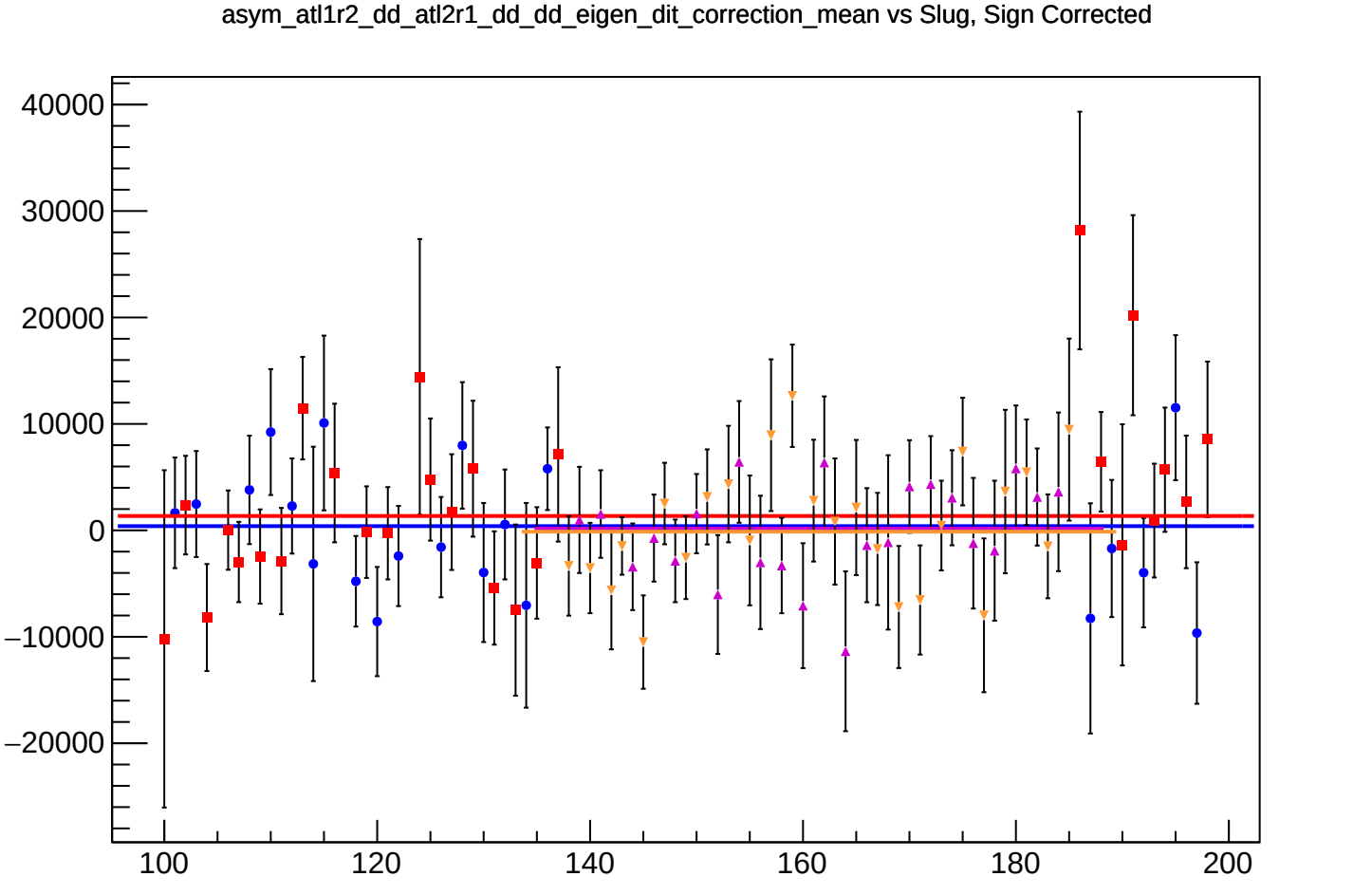
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1308.888+/-0.195 χ^2/NDF: 877373.1/47

In: 1311.585+/-0.173 χ^2/NDF:557610.7/43

Out: 1298.453+/-0.164 χ^2/NDF:597010.9/51

All: 1304.649+/-0.119 χ^2/NDF: 1157659.7/95



Right In: 394.376+/-1210.623 χ^2/NDF: 20.7/20

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1349.002+/-1068.321 χ^2/NDF: 30.7/26

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

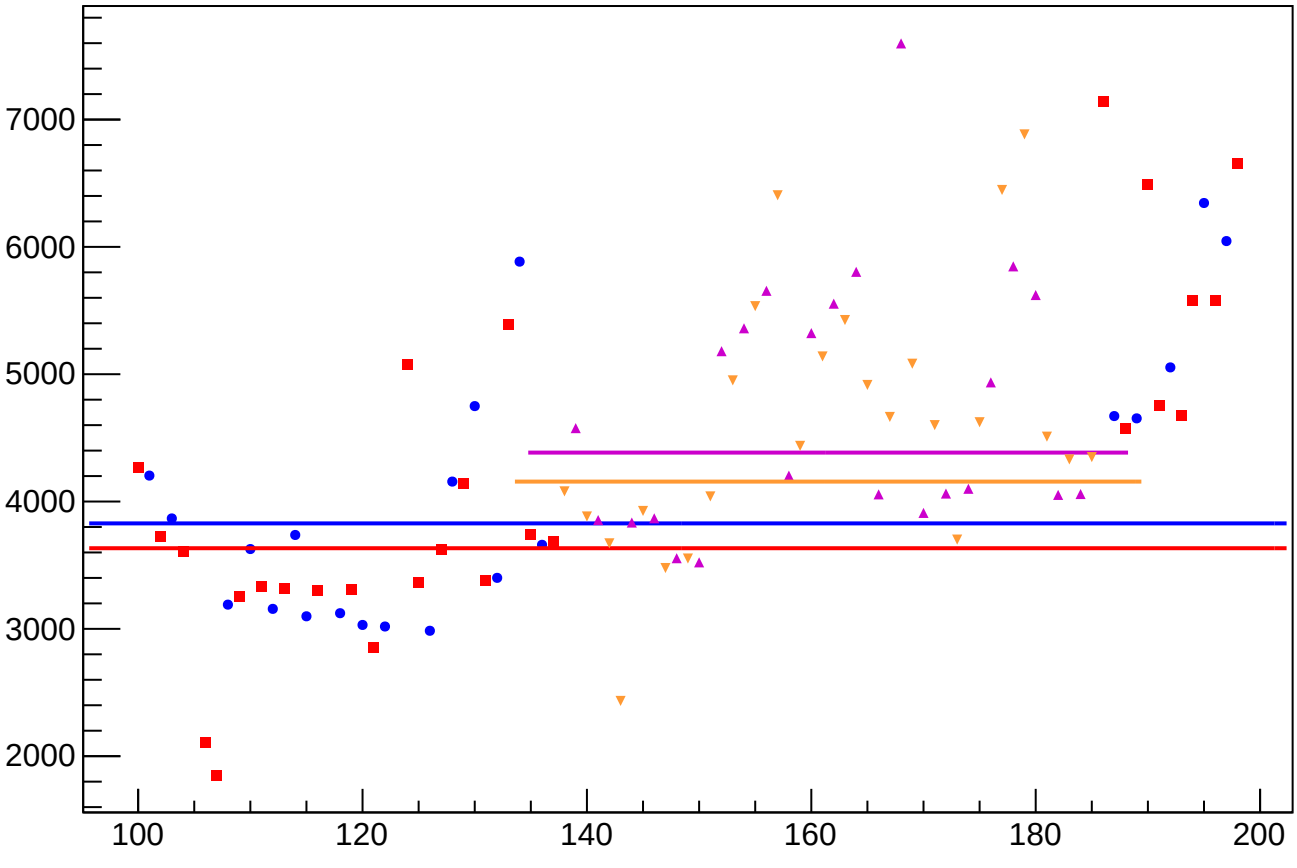
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 931.066+/-801.027 χ^2/NDF: 51.7/47

In: 259.814+/-791.276 χ^2/NDF:34.5/43

Out: 545.257+/-721.064 χ^2/NDF:60.3/51

All: 415.759+/-532.966 χ^2/NDF: 94.8/95



Right In: 3828.339+/-0.856 χ^2/NDF: 1141077.9/20

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3633.318+/-0.755 χ^2/NDF: 2311456.9/26

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

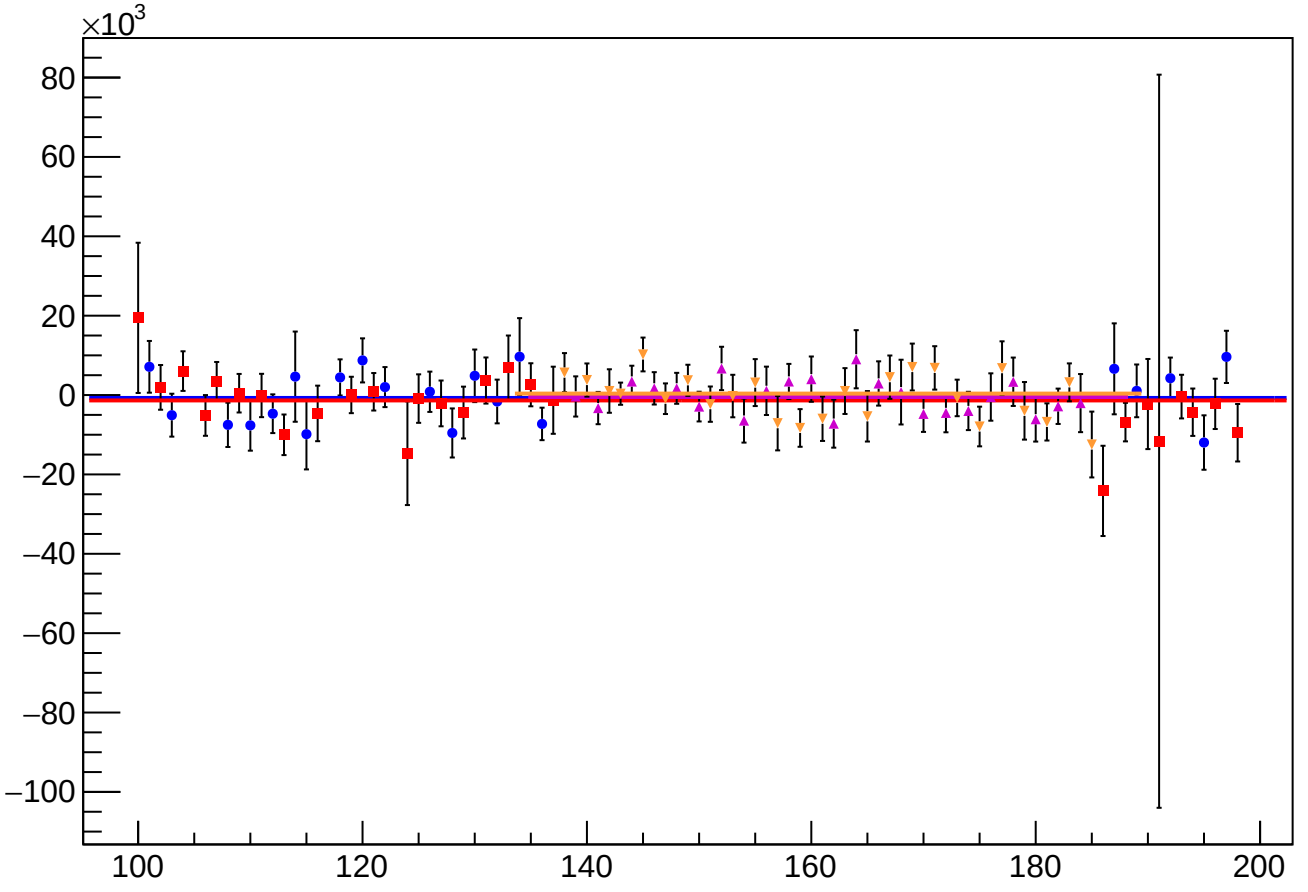
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3718.699+/-0.566 χ^2/NDF: 3481713.5/47

In: 4146.807+/-0.560 χ^2/NDF:2638179.2/43

Out: 3918.208+/-0.510 χ^2/NDF:4653459.7/51

All: 4021.918+/-0.377 χ^2/NDF: 7382834.4/95



Right In: -732.996+/-1291.410 χ^2/NDF: 24.3/20

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1352.994+/-1175.781 χ^2/NDF: 19.3/26

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

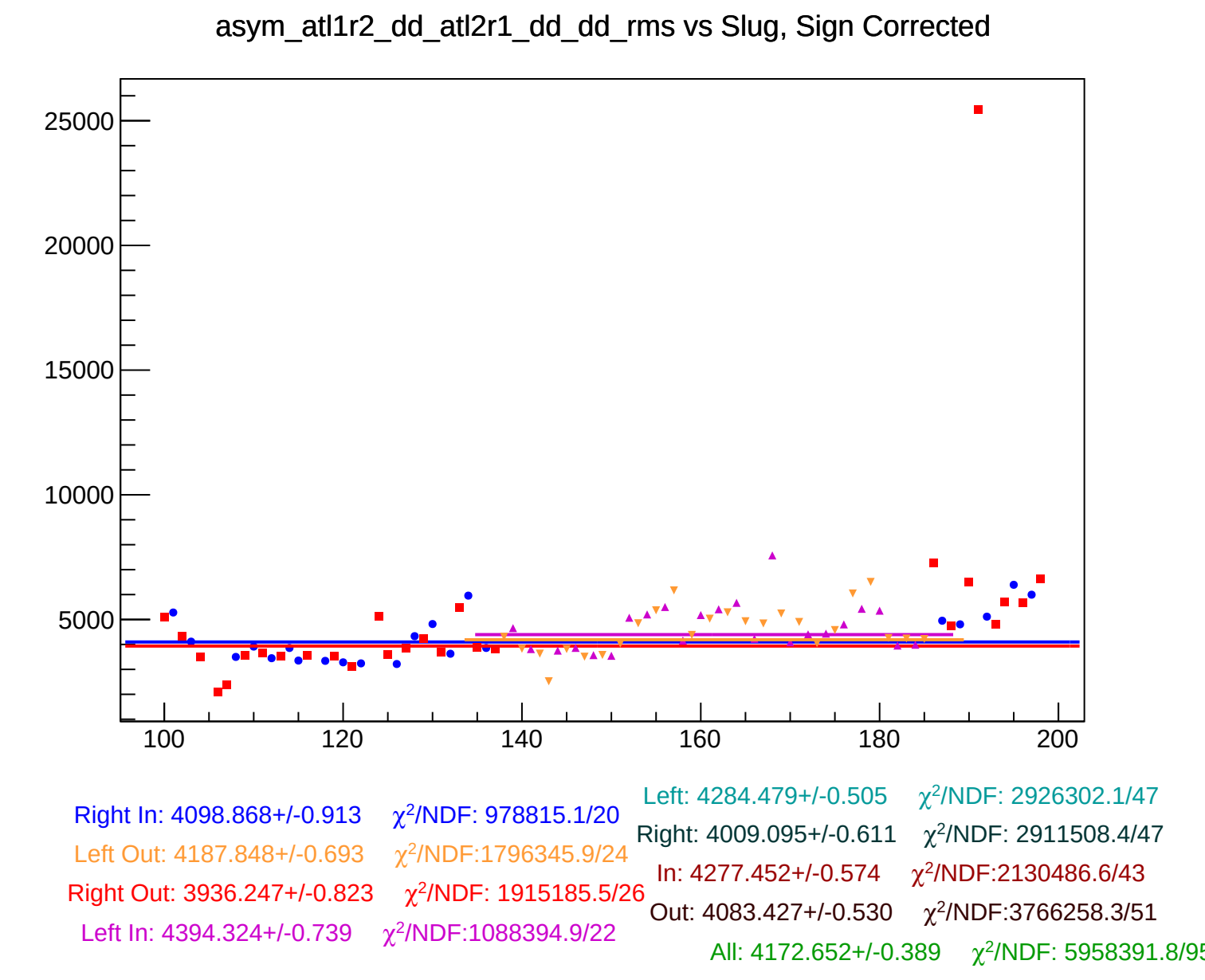
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

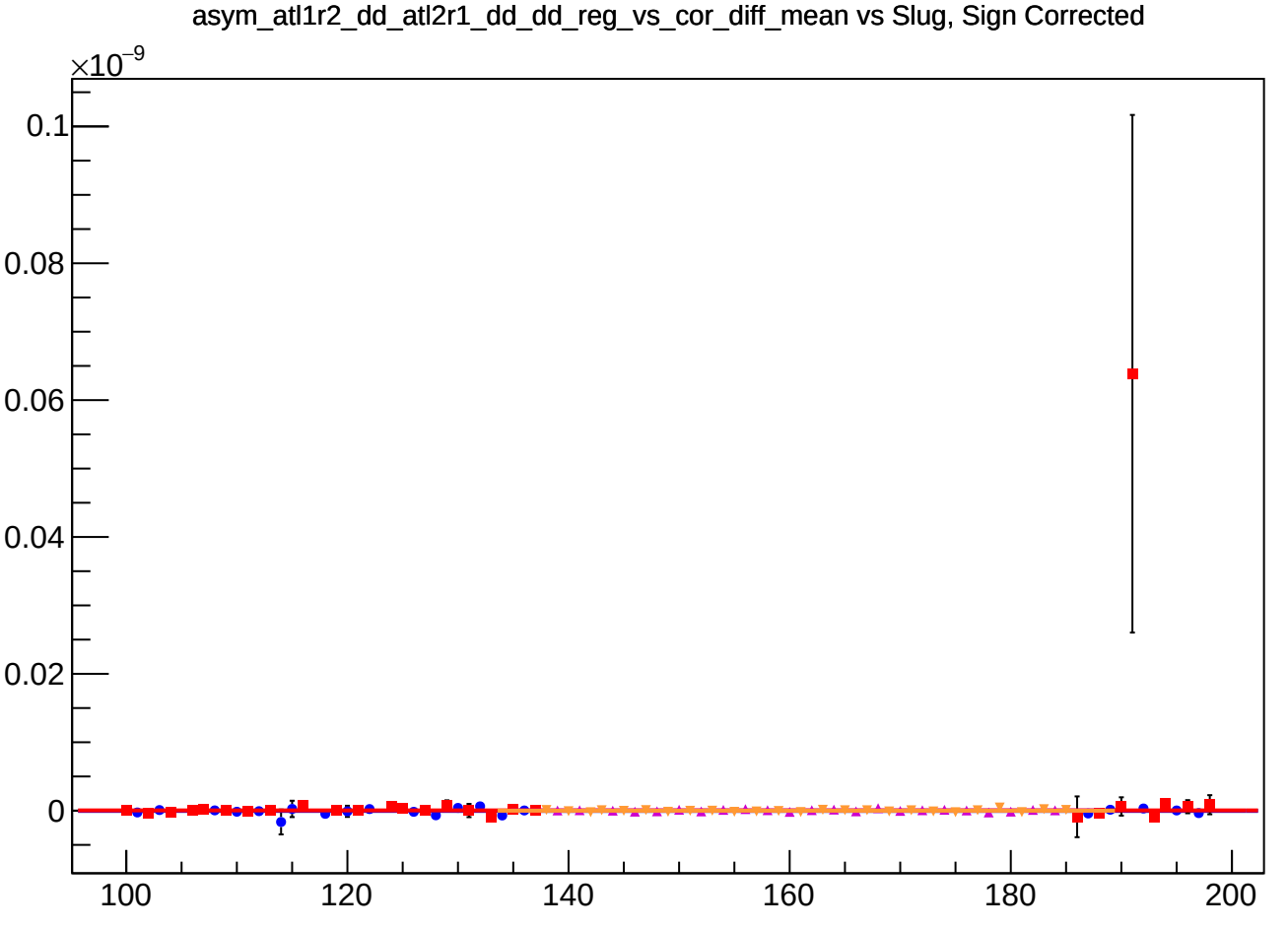
Right: -1071.989+/-869.413 χ^2/NDF: 43.7/47

In: -590.667+/-812.214 χ^2/NDF:38.2/43

Out: -340.592+/-752.736 χ^2/NDF:48.2/51

All: -456.138+/-552.096 χ^2/NDF: 86.4/95


asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4098.868+/-0.913 χ²/NDF: 978815.1/20
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 3936.247+/-0.823 χ²/NDF: 1915185.5/26
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4009.095+/-0.611 χ²/NDF: 2911508.4/47
In: 4277.452+/-0.574 χ²/NDF:2130486.6/43
Out: 4083.427+/-0.530 χ²/NDF:3766258.3/51
All: 4172.652+/-0.389 χ²/NDF: 5958391.8/95



Right In: -0.000+/-0.000 χ^2/NDF: 18.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.5/26

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

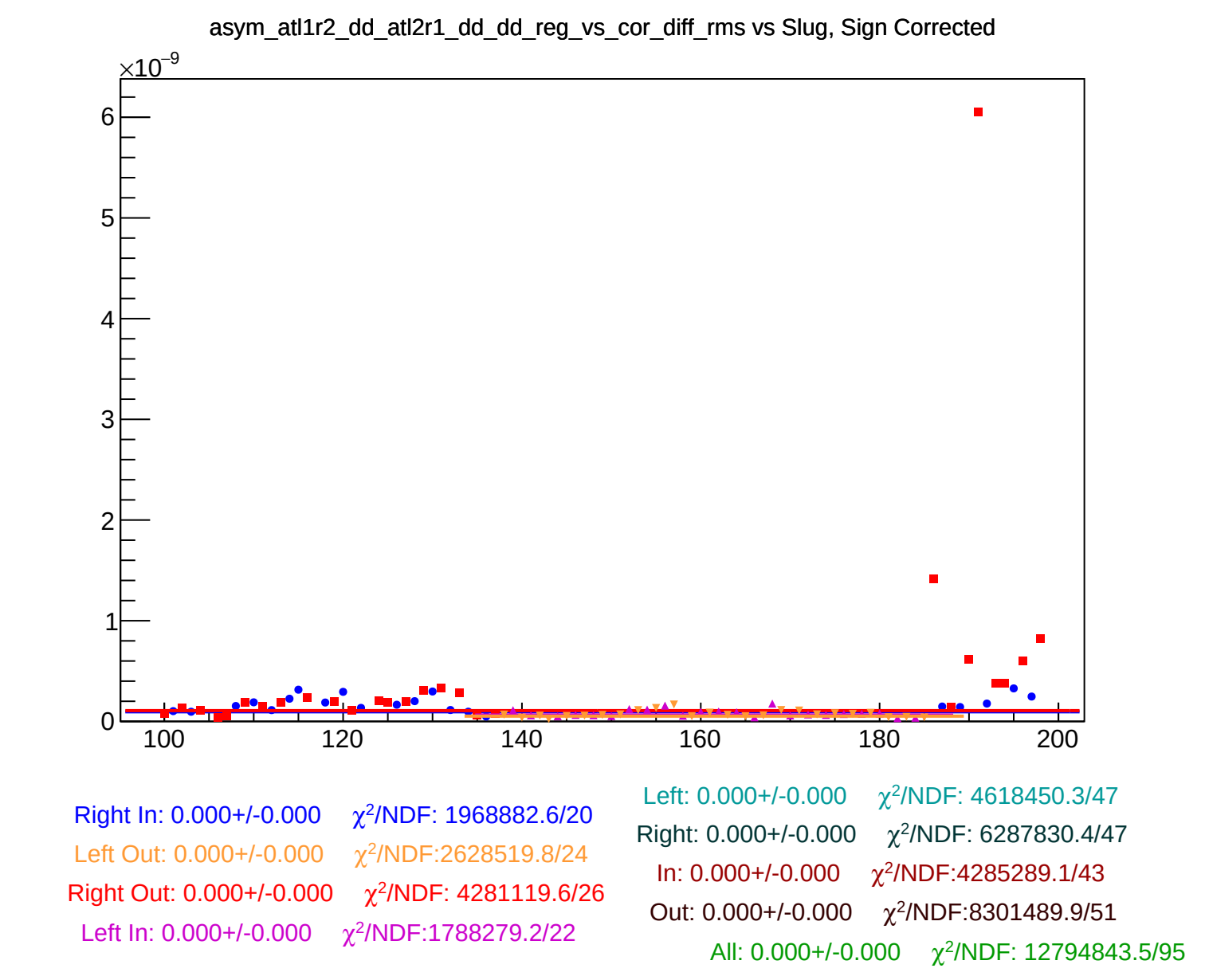
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 45.7/47

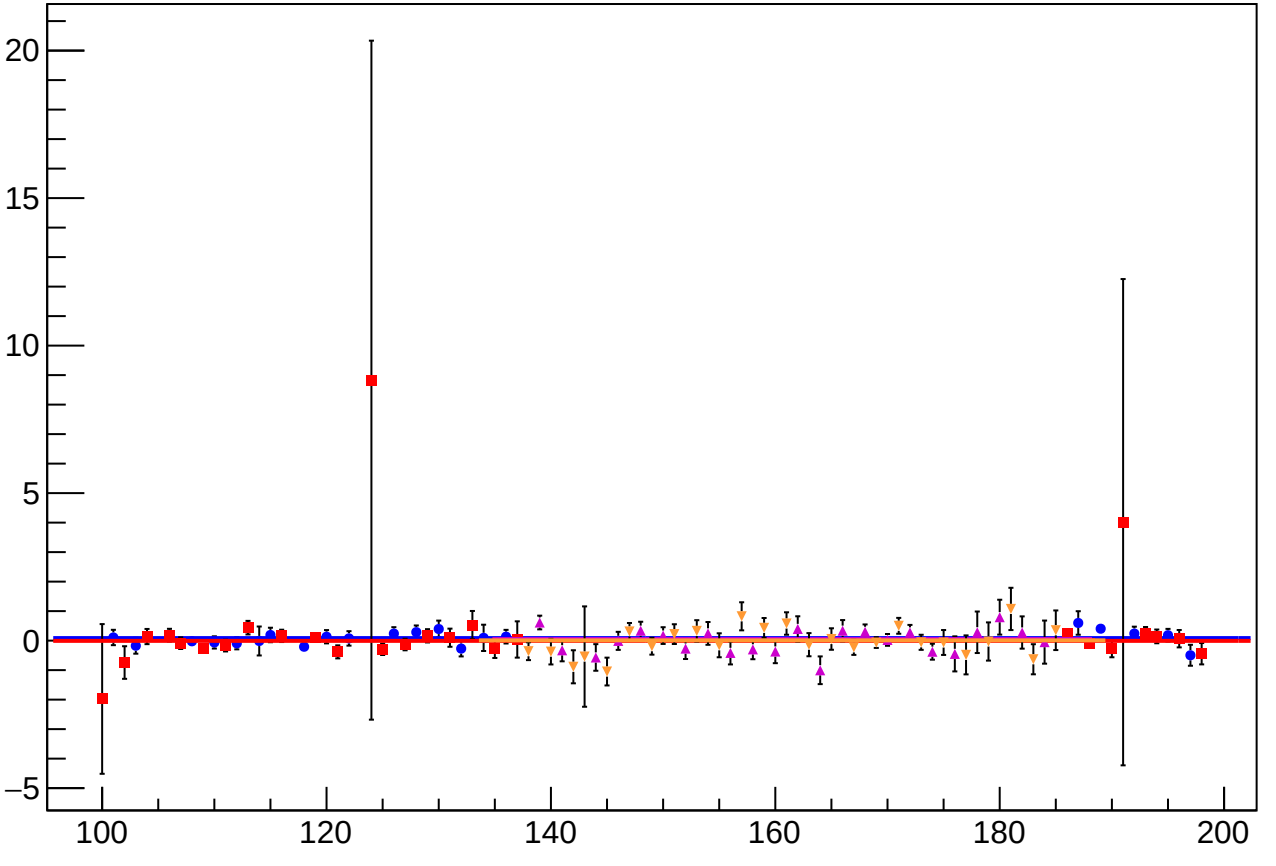
In: 0.000+/-0.000 χ^2/NDF:36.3/43

Out: 0.000+/-0.000 χ^2/NDF:57.3/51

All: 0.000+/-0.000 χ^2/NDF: 93.7/95


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: 1968882.6/20
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 4281119.6/26
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: 6287830.4/47
In: 0.000+/-0.000 χ²/NDF:4285289.1/43
Out: 0.000+/-0.000 χ²/NDF:8301489.9/51
All: 0.000+/-0.000 χ²/NDF: 12794843.5/95

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

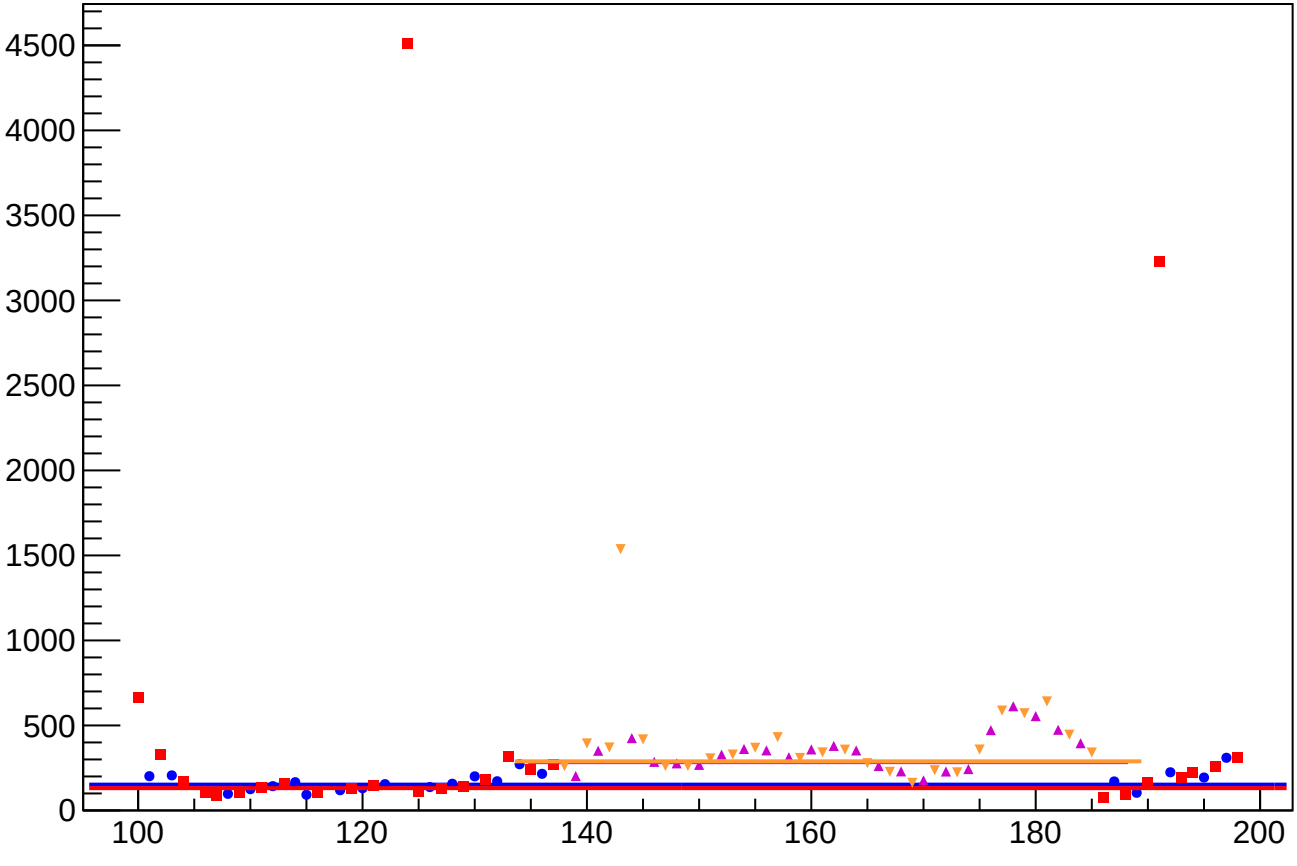
Right: 0.031+/-0.032 χ^2/NDF: 50.9/47

In: 0.075+/-0.041 χ^2/NDF:47.7/43

Out: -0.004+/-0.036 χ^2/NDF:57.9/51

All: 0.031+/-0.027 χ^2/NDF: 107.7/95

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 151.892+/-0.035 χ^2/NDF: 1883420.2/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 131.106+/-0.030 χ^2/NDF: 3952543.6/26

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

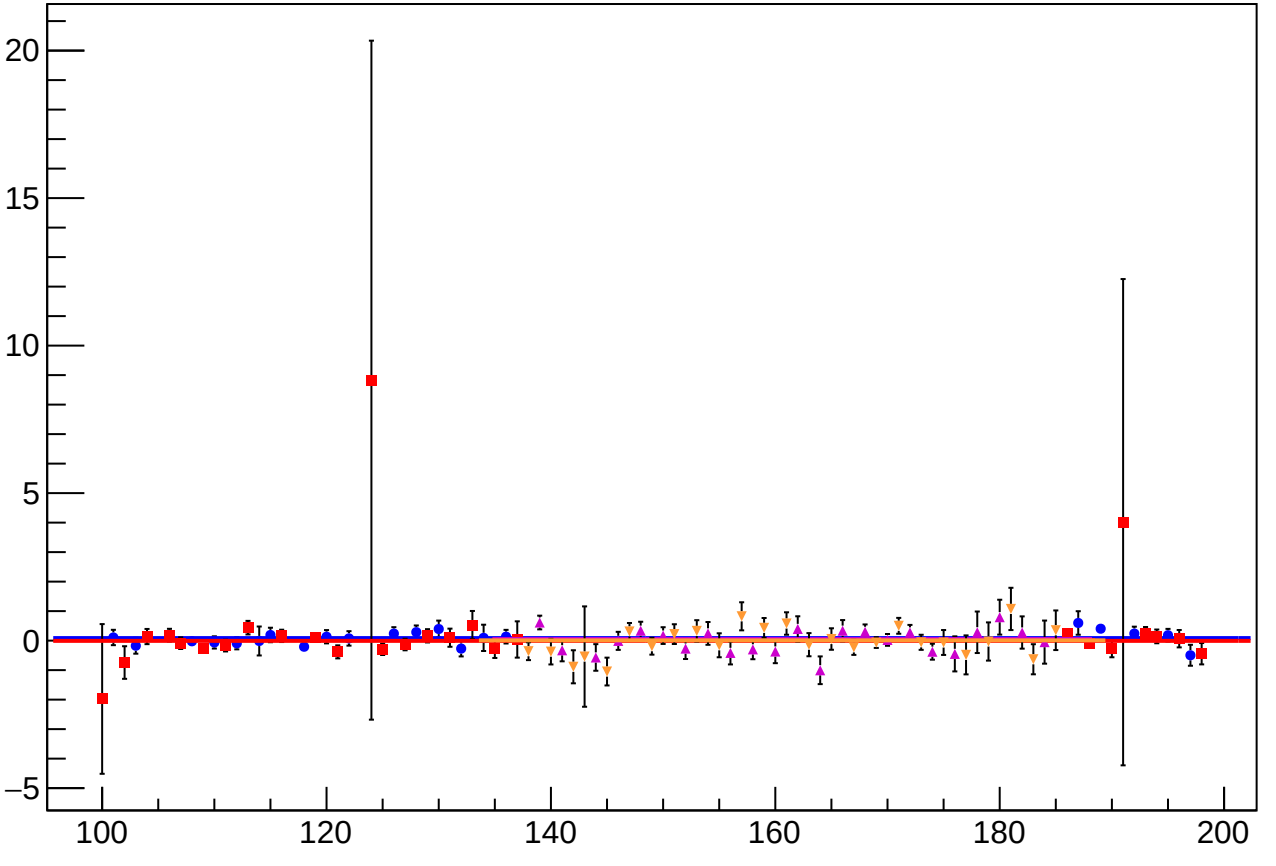
Right: 139.680+/-0.023 χ^2/NDF: 6038075.2/47

In: 196.383+/-0.029 χ^2/NDF:9646157.0/43

Out: 171.993+/-0.026 χ^2/NDF:15918226.6/51

All: 182.710+/-0.019 χ^2/NDF: 25964432.2/95

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

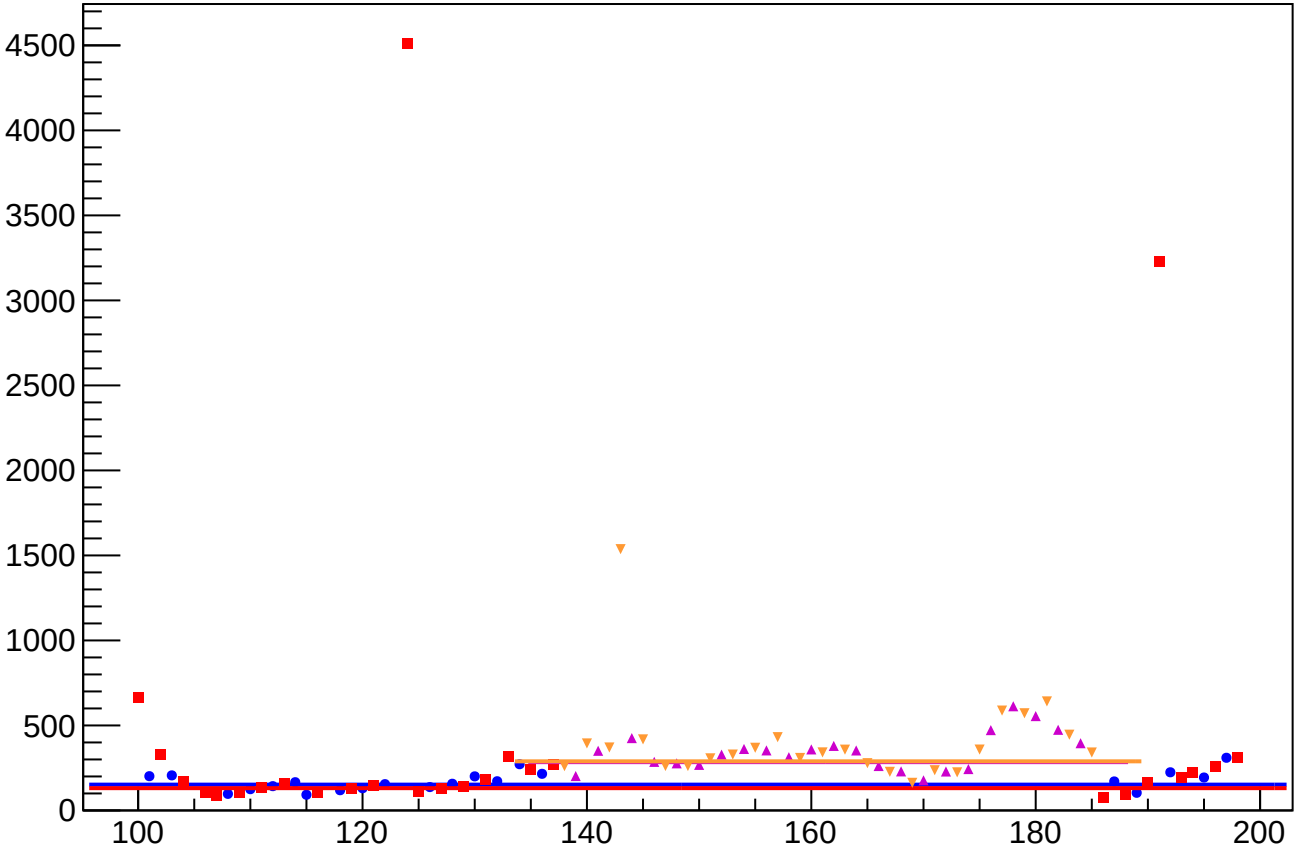
Right: 0.031+/-0.032 χ^2/NDF: 50.9/47

In: 0.075+/-0.041 χ^2/NDF:47.7/43

Out: -0.004+/-0.036 χ^2/NDF:57.9/51

All: 0.031+/-0.027 χ^2/NDF: 107.7/95

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 151.892+/-0.035 χ^2/NDF: 1883420.2/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 131.106+/-0.030 χ^2/NDF: 3952543.6/26

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

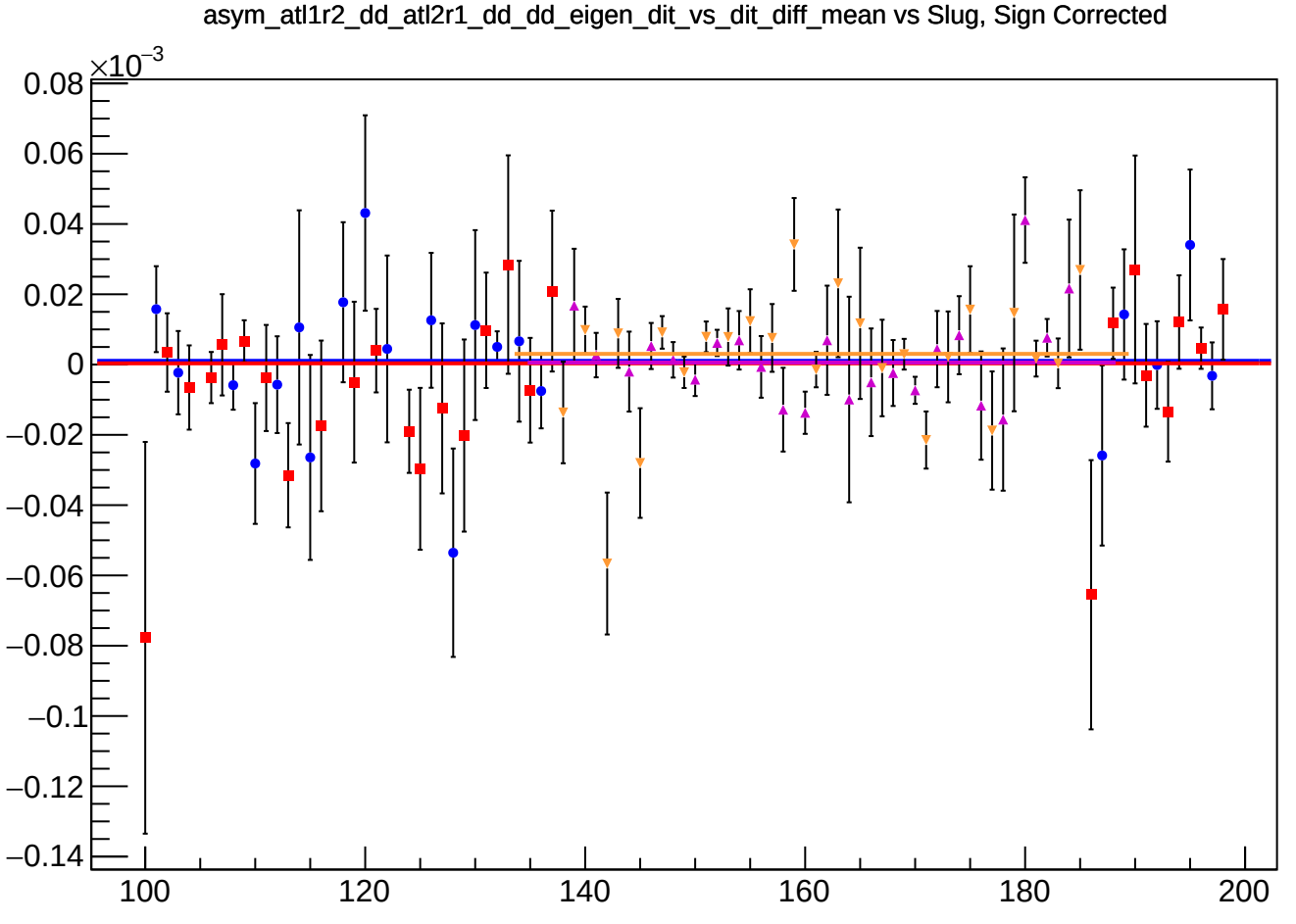
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 139.680+/-0.023 χ^2/NDF: 6038075.2/47

In: 196.383+/-0.029 χ^2/NDF:9646157.0/43

Out: 171.993+/-0.026 χ^2/NDF:15918226.6/51

All: 182.710+/-0.019 χ^2/NDF: 25964432.2/95



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/26

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

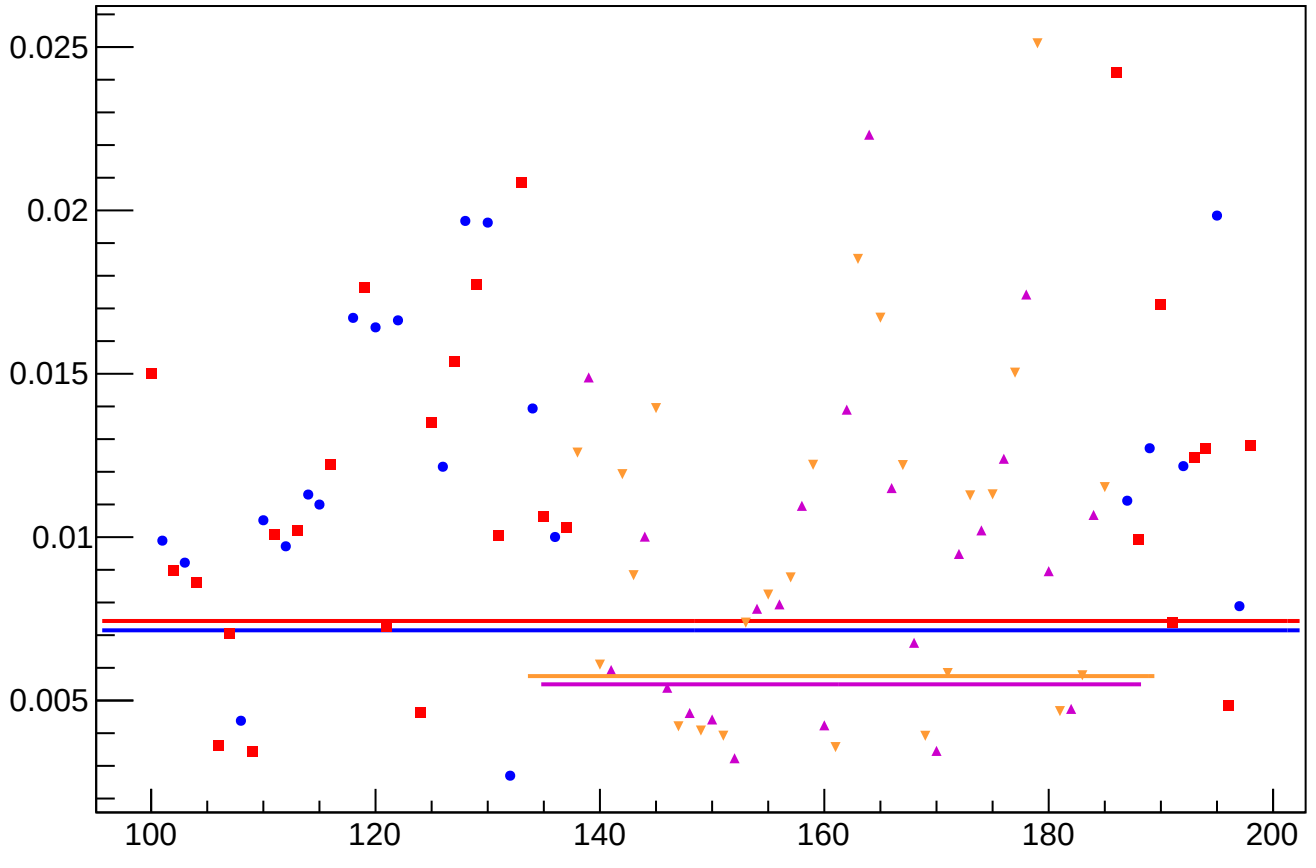
Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

Right: 0.000+/-0.000 χ^2/NDF: 44.2/47

In: 0.000+/-0.000 χ^2/NDF:52.3/43

Out: 0.000+/-0.000 χ^2/NDF:68.2/51

All: 0.000+/-0.000 χ^2/NDF: 121.2/95



Right In: 0.007+/-0.000 χ^2/NDF: 6044687.7/20

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 5374345.7/26

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

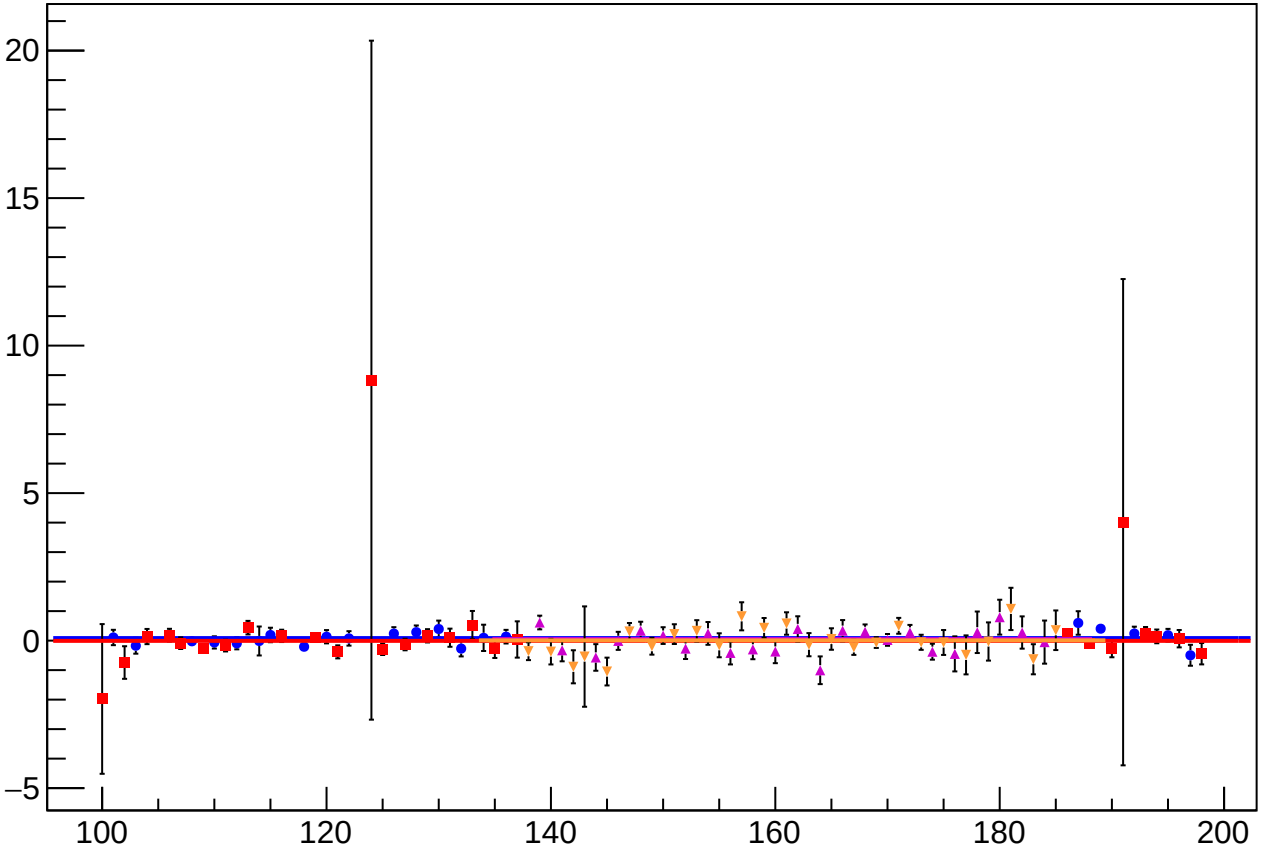
Right: 0.007+/-0.000 χ^2/NDF: 11431643.2/47

In: 0.006+/-0.000 χ^2/NDF:13563003.1/43

Out: 0.006+/-0.000 χ^2/NDF:14198612.3/51

All: 0.006+/-0.000 χ^2/NDF: 27823921.8/95

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

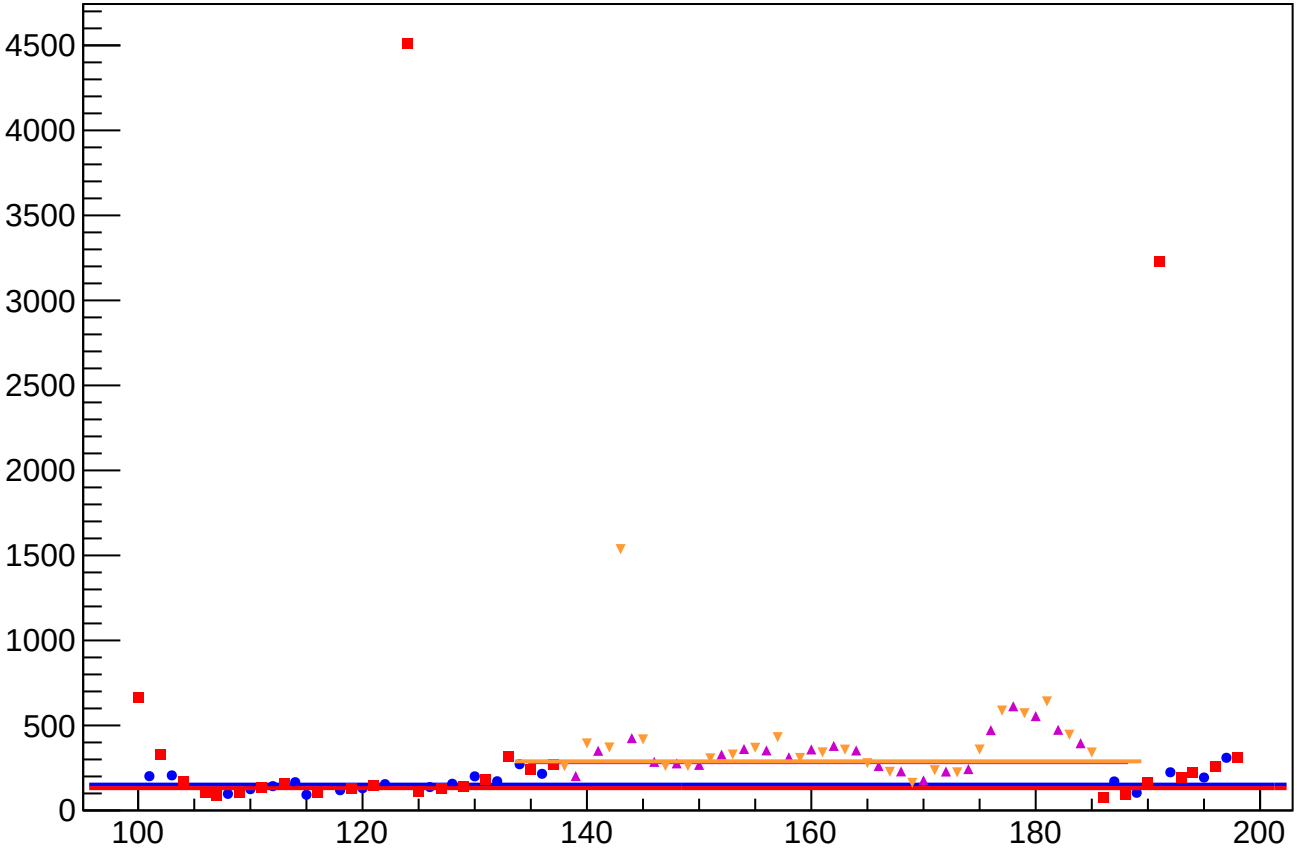
Right: 0.031+/-0.032 χ^2/NDF: 50.9/47

In: 0.075+/-0.041 χ^2/NDF:47.7/43

Out: -0.004+/-0.036 χ^2/NDF:57.9/51

All: 0.031+/-0.027 χ^2/NDF: 107.7/95

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 151.892+/-0.035 χ^2/NDF: 1883398.8/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 131.107+/-0.030 χ^2/NDF: 3952371.6/26

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

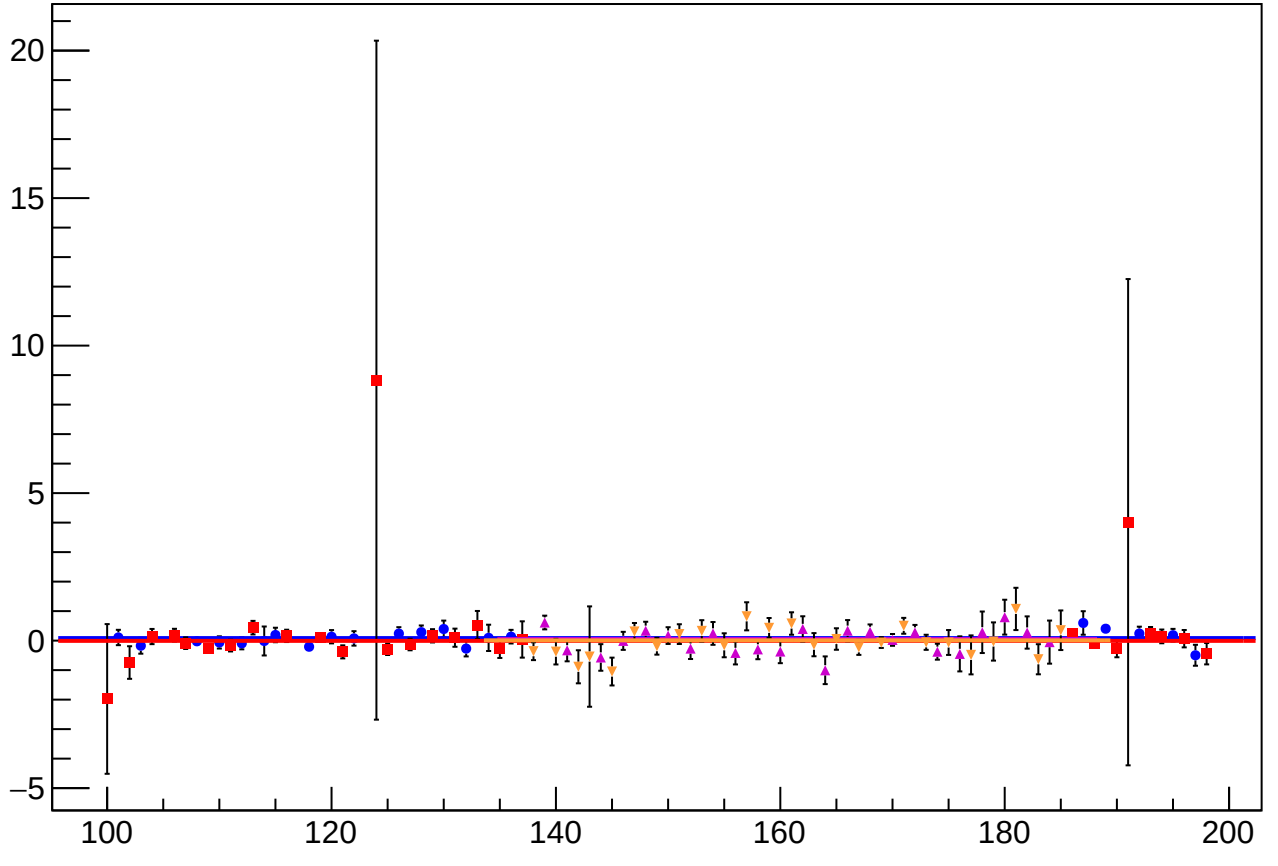
Right: 139.680+/-0.023 χ^2/NDF: 6037835.5/47

In: 196.382+/-0.029 χ^2/NDF:9646360.4/43

Out: 171.995+/-0.026 χ^2/NDF:15918031.3/51

All: 182.710+/-0.019 χ^2/NDF: 25964366.1/95

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

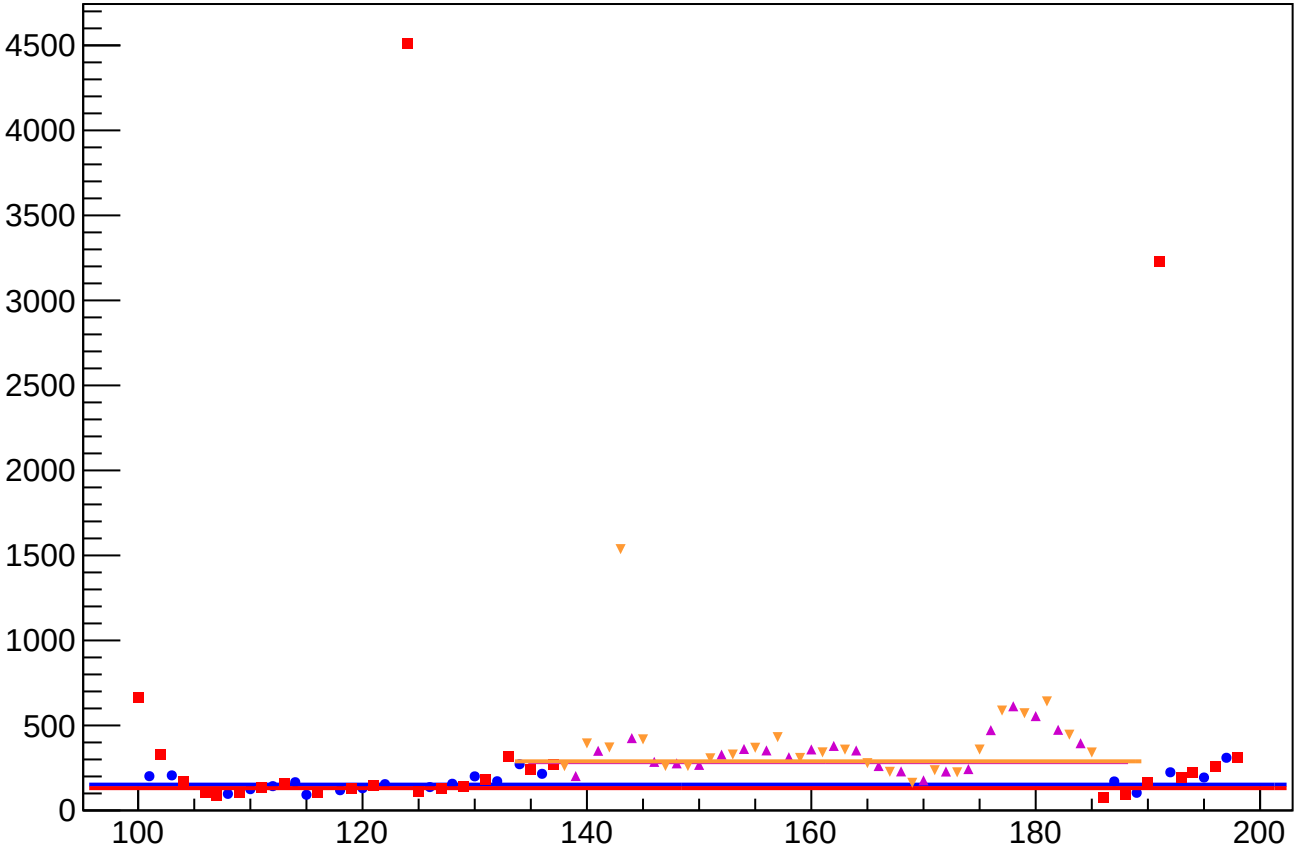
Right: 0.031+/-0.032 χ^2/NDF: 50.9/47

In: 0.075+/-0.041 χ^2/NDF:47.7/43

Out: -0.004+/-0.036 χ^2/NDF:57.9/51

All: 0.031+/-0.027 χ^2/NDF: 107.7/95

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 151.892+/-0.035 χ^2/NDF: 1883398.8/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 131.107+/-0.030 χ^2/NDF: 3952371.6/26

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

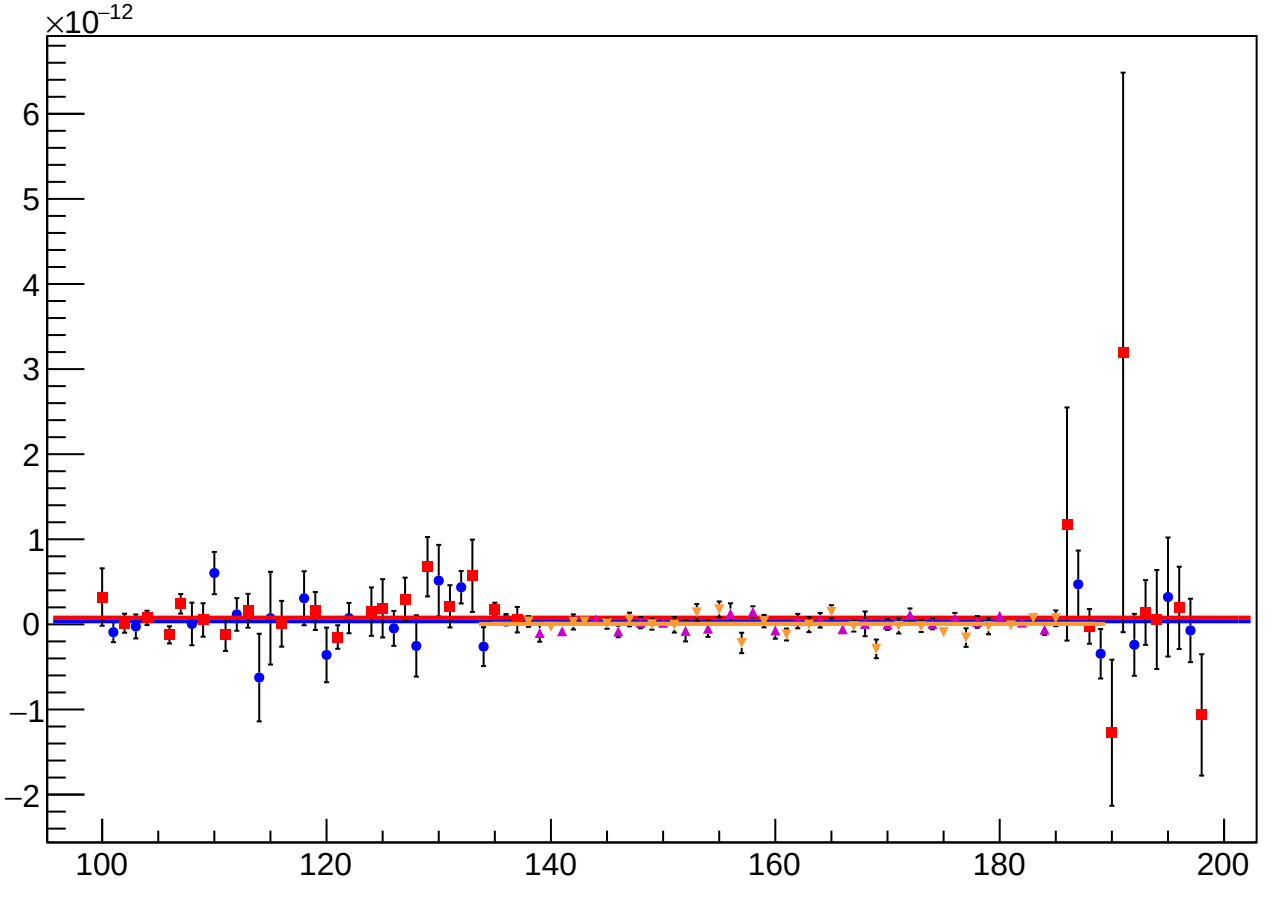
Right: 139.680+/-0.023 χ^2/NDF: 6037835.5/47

In: 196.382+/-0.029 χ^2/NDF:9646360.4/43

Out: 171.995+/-0.026 χ^2/NDF:15918031.3/51

All: 182.710+/-0.019 χ^2/NDF: 25964366.1/95

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: 22.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.2/26

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

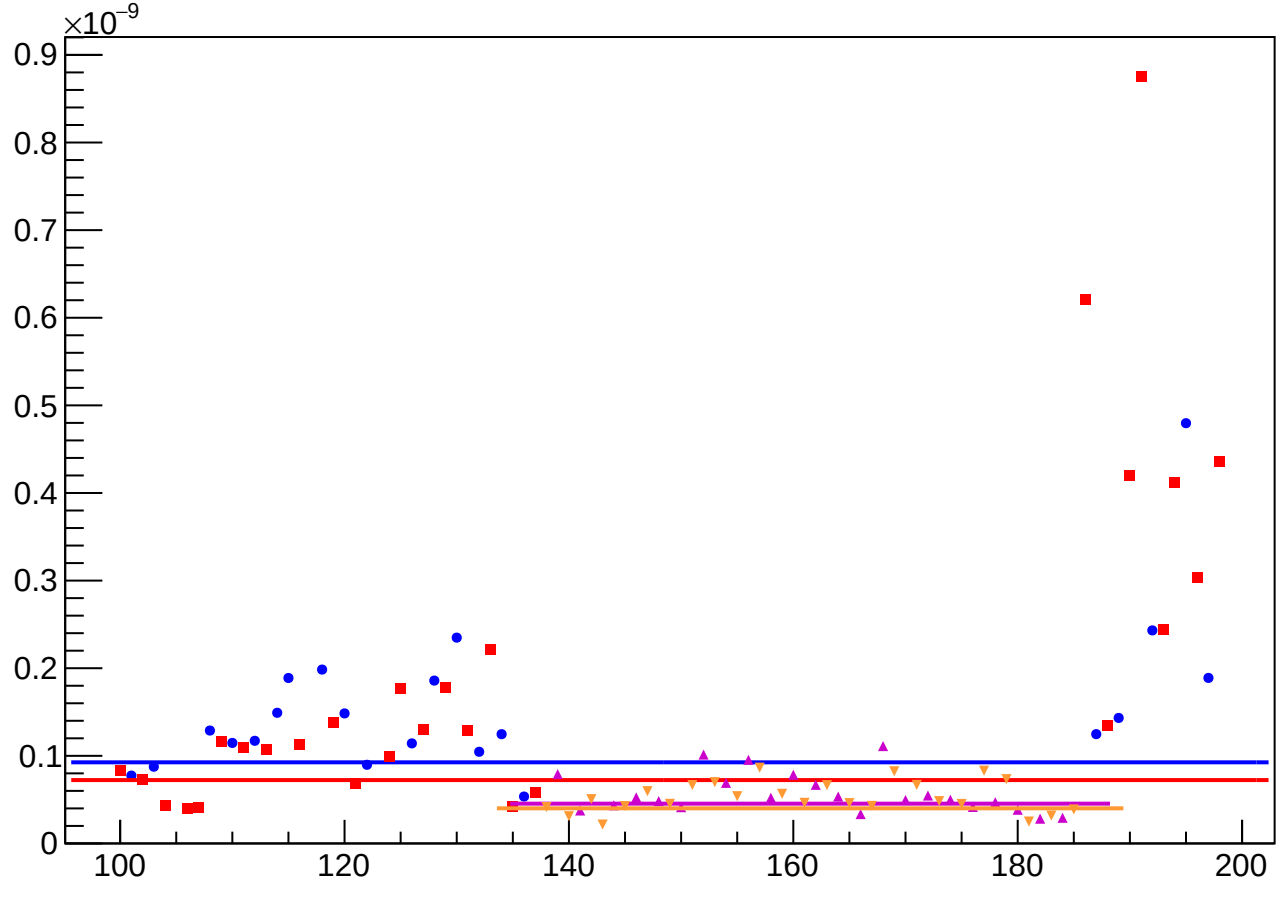
Right: 0.000+/-0.000 χ^2/NDF: 48.6/47

In: 0.000+/-0.000 χ^2/NDF:46.2/43

Out: 0.000+/-0.000 χ^2/NDF:63.6/51

All: 0.000+/-0.000 χ^2/NDF: 109.8/95

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2771415.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5262858.4/26

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

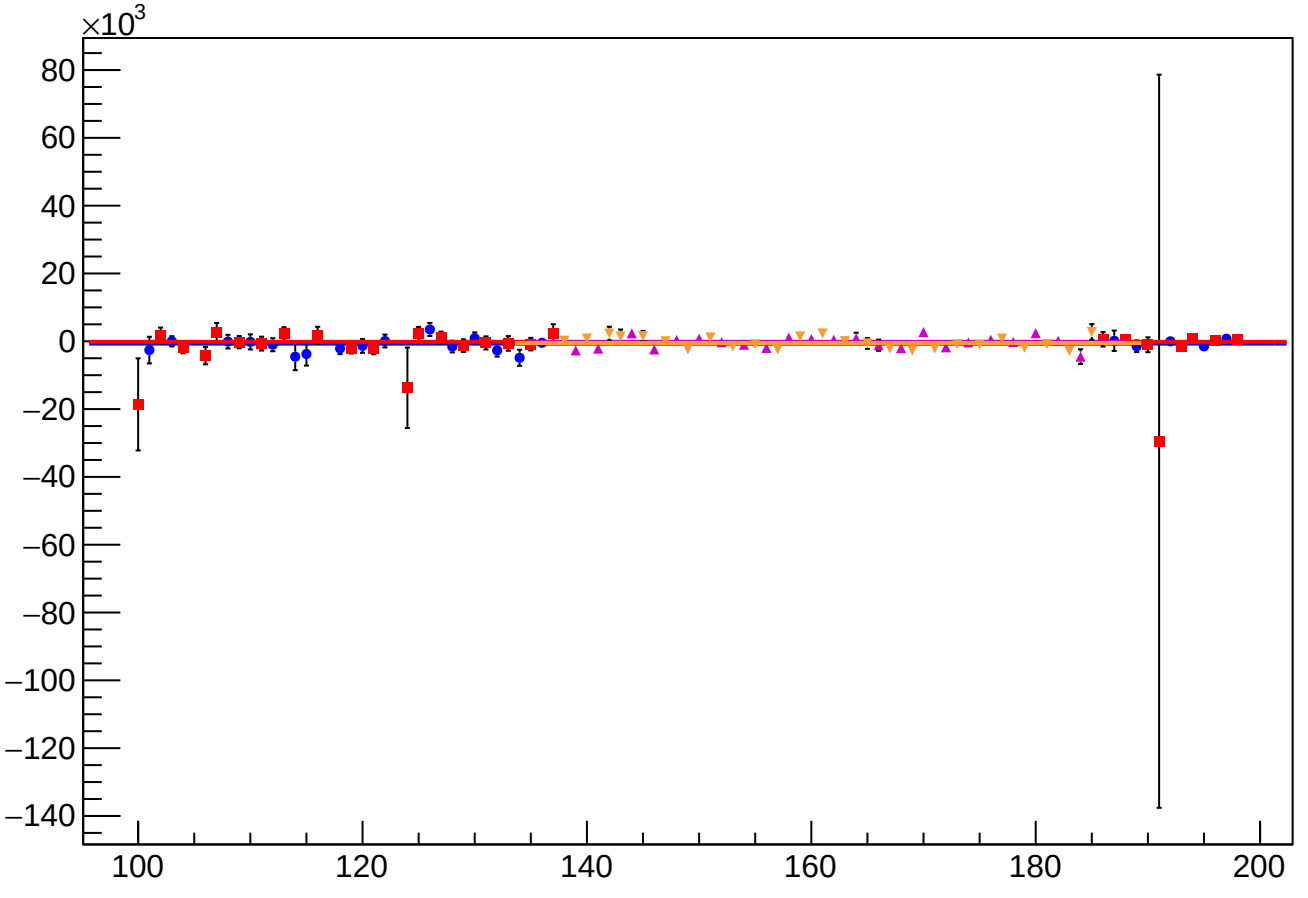
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 8323751.4/47

In: 0.000+/-0.000 χ^2/NDF:7890178.1/43

Out: 0.000+/-0.000 χ^2/NDF:10512283.4/51

All: 0.000+/-0.000 χ^2/NDF: 18649807.4/95



Right In: -677.271+/-398.816 χ^2/NDF: 15.4/20

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -161.282+/-371.274 χ^2/NDF: 18.2/26

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

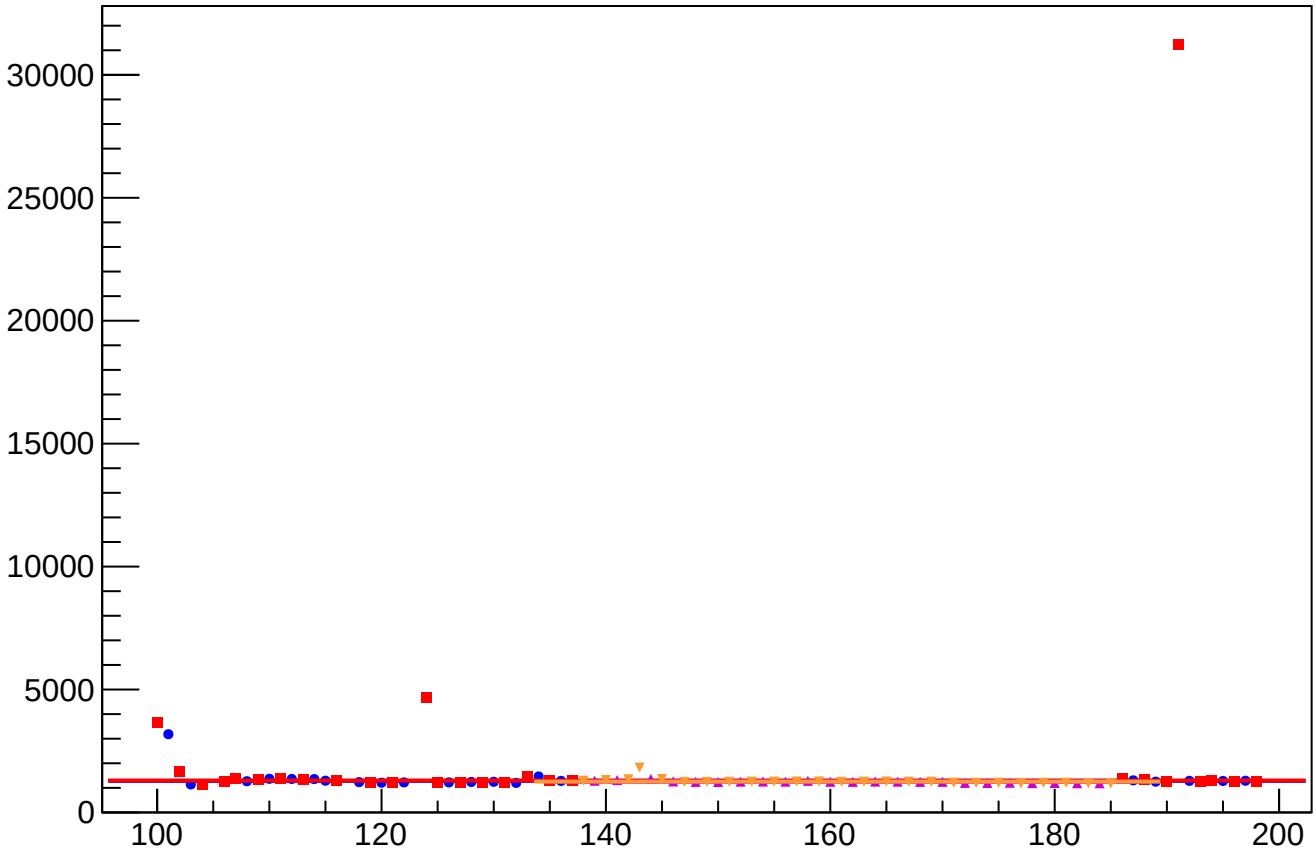
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -400.847+/-271.746 χ^2/NDF: 34.5/47

In: -393.787+/-235.162 χ^2/NDF:48.2/43

Out: -382.981+/-226.544 χ^2/NDF:49.6/51

All: -388.182+/-163.152 χ^2/NDF: 97.9/95



Right In: 1284.434+/-0.282 χ^2/NDF: 518993.6/20

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1296.181+/-0.263 χ^2/NDF: 490057.0/26

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

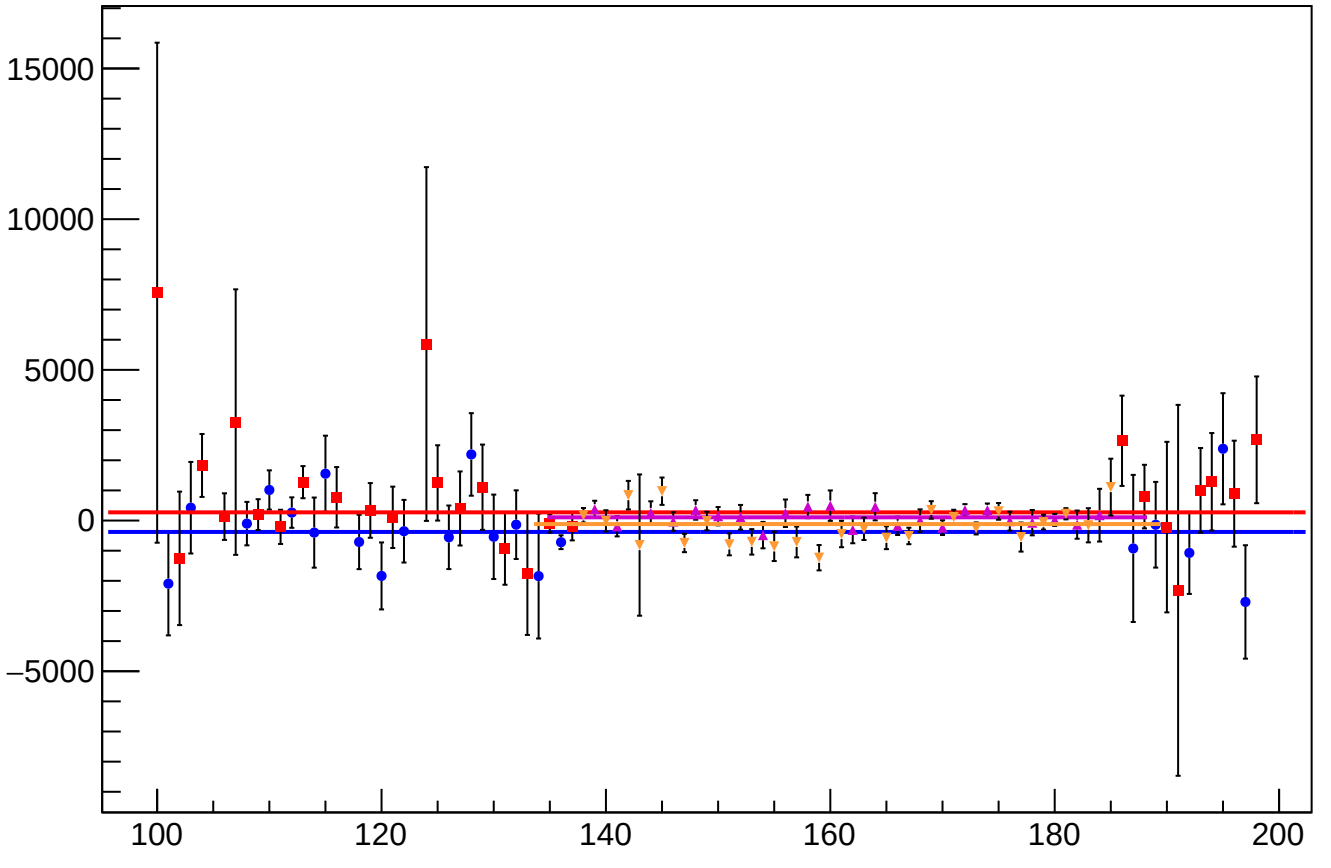
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1290.727+/-0.192 χ^2/NDF: 1009980.3/47

In: 1259.594+/-0.166 χ^2/NDF:570744.4/43

Out: 1270.655+/-0.160 χ^2/NDF:708242.6/51

All: 1265.331+/-0.115 χ^2/NDF: 1281281.8/95



Right In: -377.798+/-164.124 χ^2/NDF: 22.3/20

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 272.421+/-162.841 χ^2/NDF: 20.0/26

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

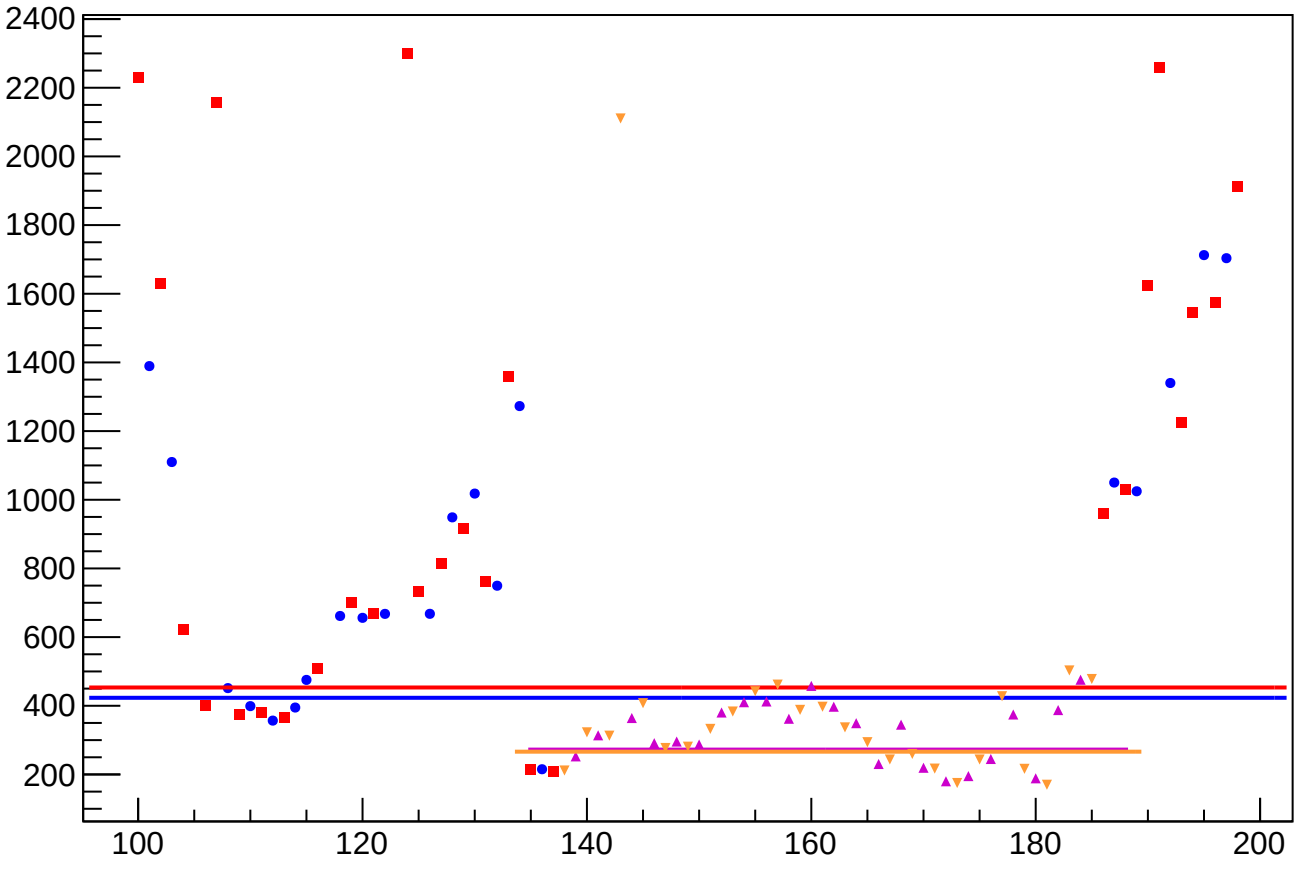
Right: -50.137+/-115.597 χ^2/NDF: 50.1/47

In: 38.040+/-62.031 χ^2/NDF:43.5/43

Out: -63.421+/-60.416 χ^2/NDF:73.3/51

All: -14.029+/-43.280 χ^2/NDF: 118.2/95

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 423.254+/-0.116 χ^2/NDF: 7643446.1/20

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 453.268+/-0.115 χ^2/NDF: 9033080.8/26

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

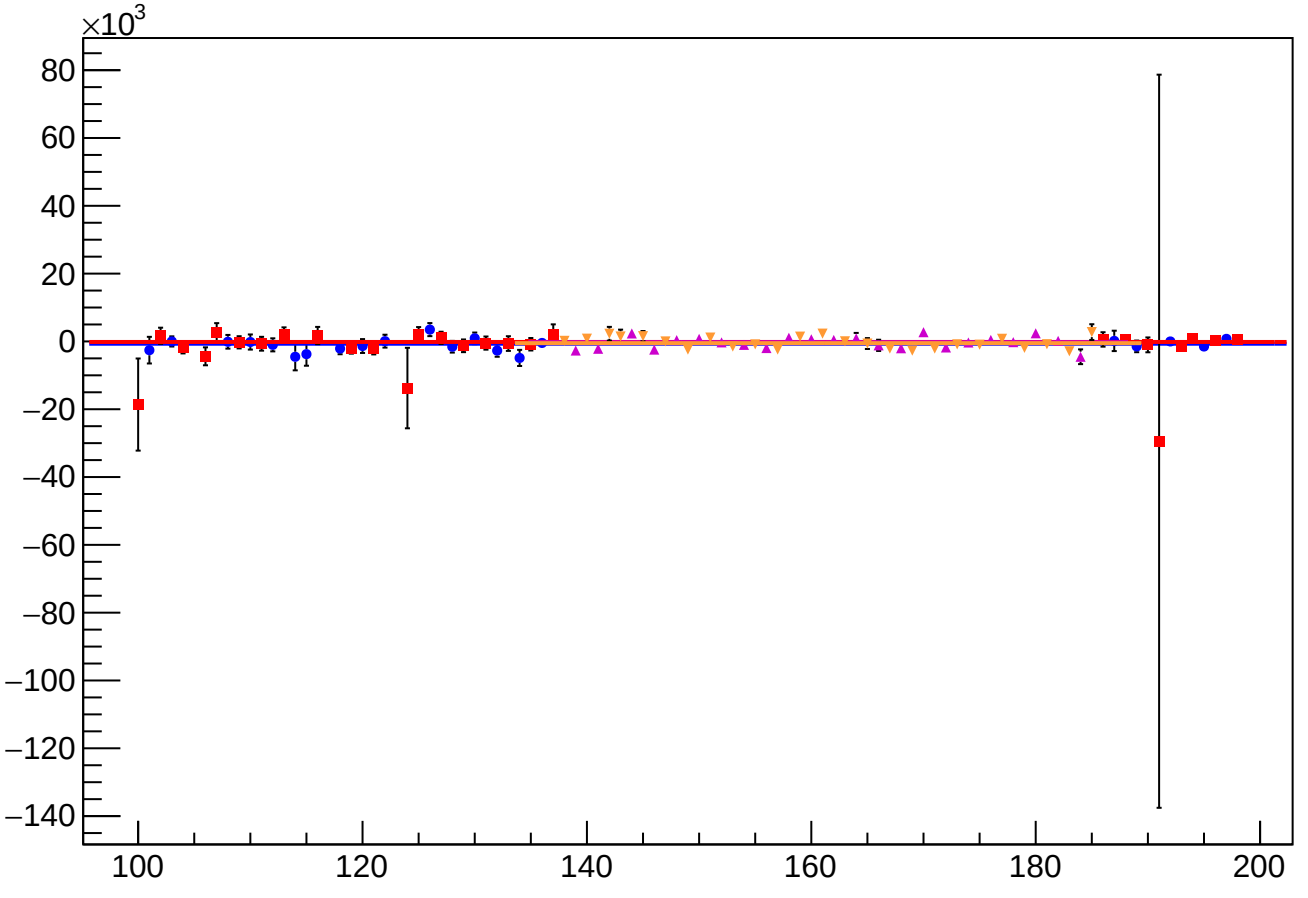
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 438.379+/-0.082 χ^2/NDF: 16710230.9/47

In: 293.922+/-0.044 χ^2/NDF:11980193.1/43

Out: 292.054+/-0.043 χ^2/NDF:15936346.4/51

All: 292.963+/-0.031 χ^2/NDF: 27917470.2/95



Right In: -677.045+/-398.816 χ^2/NDF: 15.4/20

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -159.506+/-371.507 χ^2/NDF: 18.2/26

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

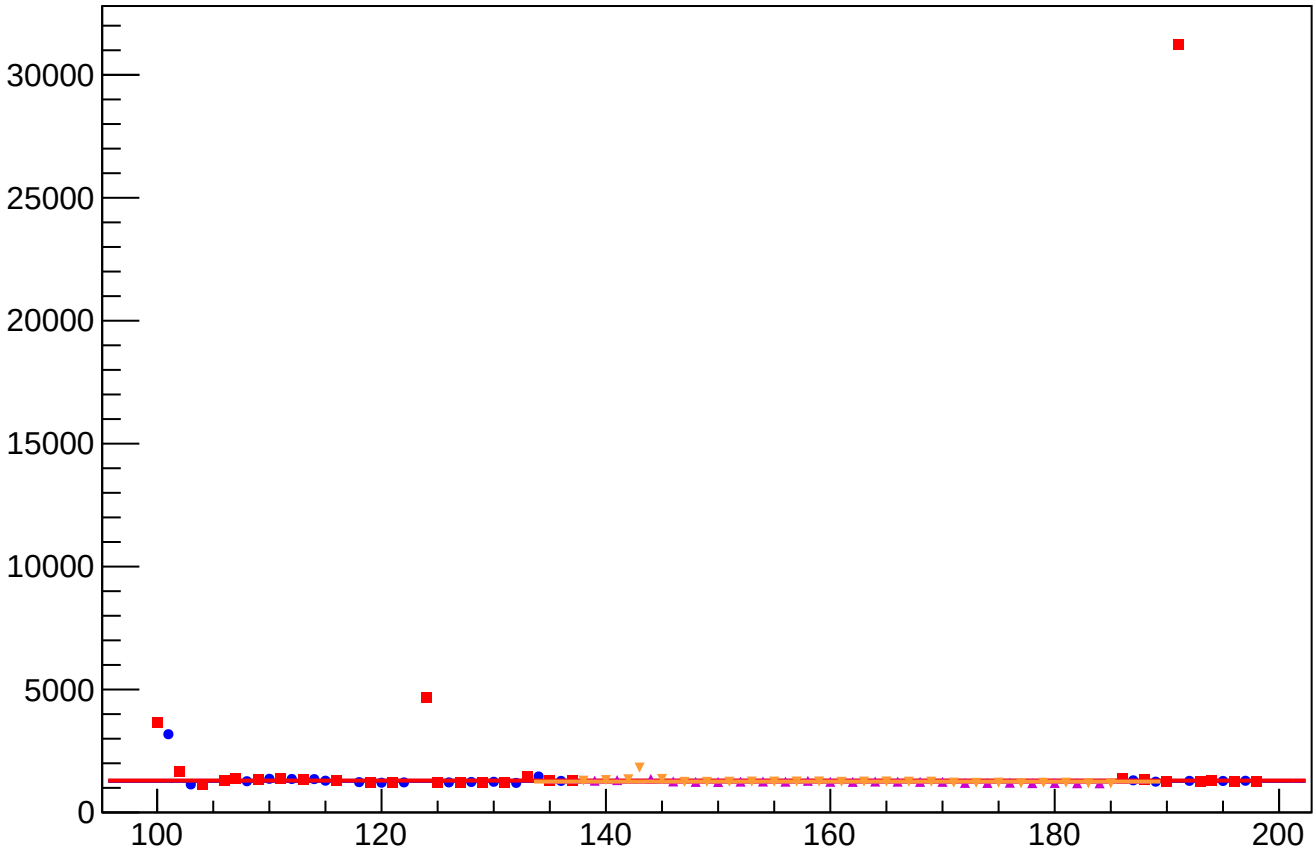
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -399.952+/-271.837 χ^2/NDF: 34.5/47

In: -393.693+/-235.163 χ^2/NDF:48.2/43

Out: -382.389+/-226.596 χ^2/NDF:49.7/51

All: -387.832+/-163.172 χ^2/NDF: 97.9/95



Right In: 1284.434+/-0.282 χ^2/NDF: 518995.1/20

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1297.028+/-0.263 χ^2/NDF: 489730.4/26

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

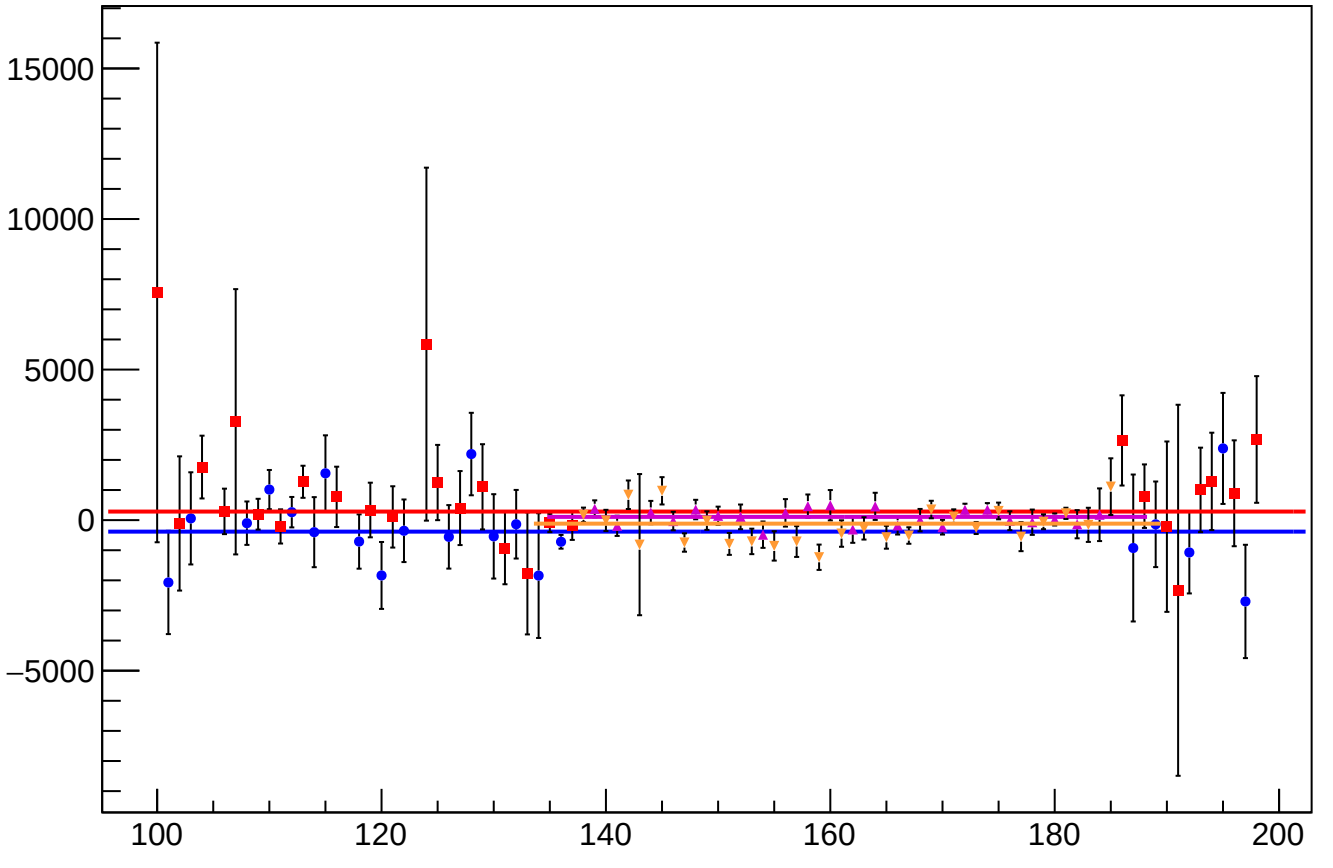
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1291.177+/-0.192 χ^2/NDF: 1009793.3/47

In: 1259.594+/-0.166 χ^2/NDF:570745.7/43

Out: 1270.958+/-0.160 χ^2/NDF:708537.5/51

All: 1265.487+/-0.115 χ^2/NDF: 1281705.0/95



Right In: -382.034+/-164.142 χ^2/NDF: 22.0/20

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 284.416+/-162.665 χ^2/NDF: 19.3/26

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

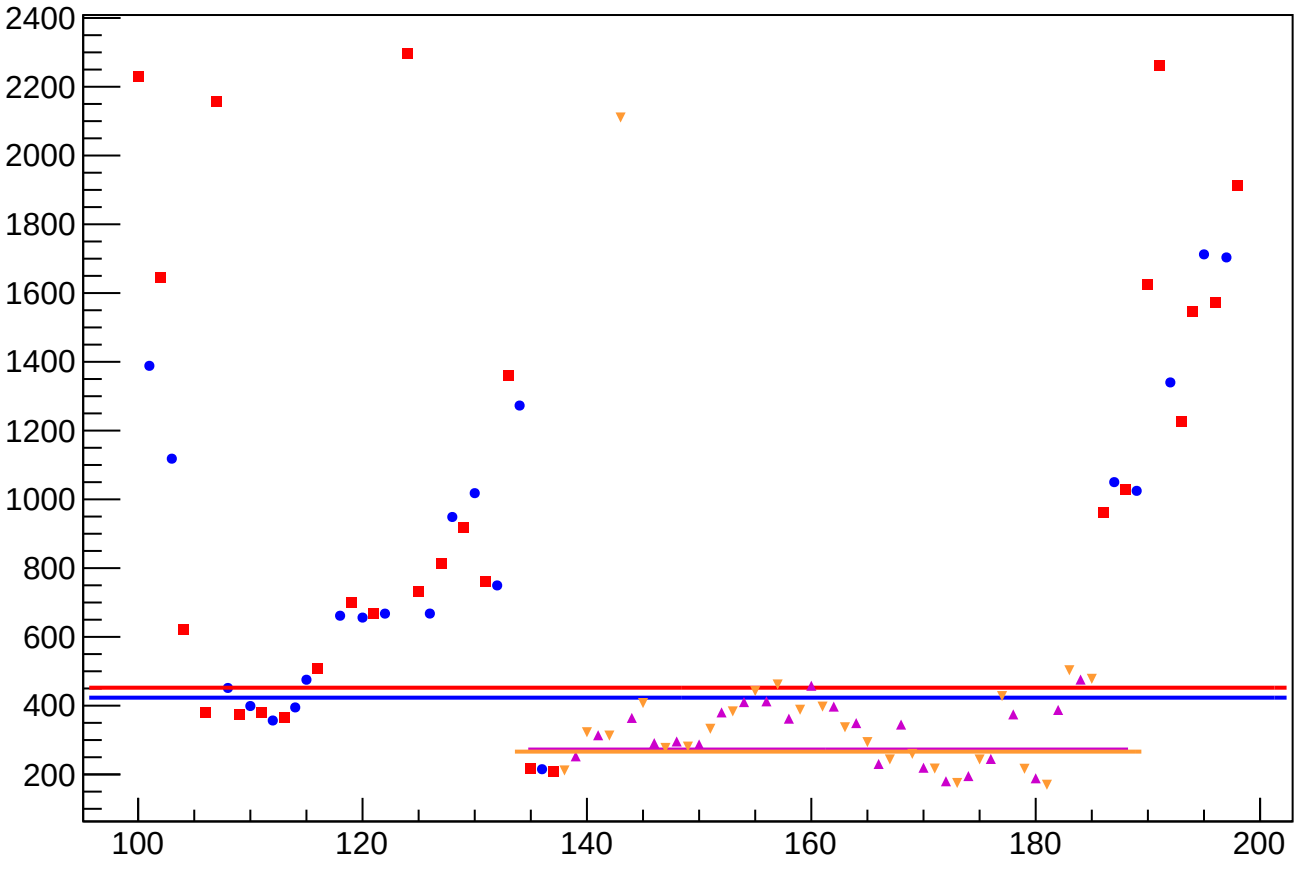
Right: -45.798+/-115.540 χ^2/NDF: 49.6/47

In: 37.546+/-62.033 χ^2/NDF:43.4/43

Out: -61.643+/-60.408 χ^2/NDF:73.0/51

All: -13.365+/-43.278 χ^2/NDF: 117.7/95

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 423.256+/-0.116 χ^2/NDF: 7646616.4/20

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 452.251+/-0.115 χ^2/NDF: 9048649.2/26

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

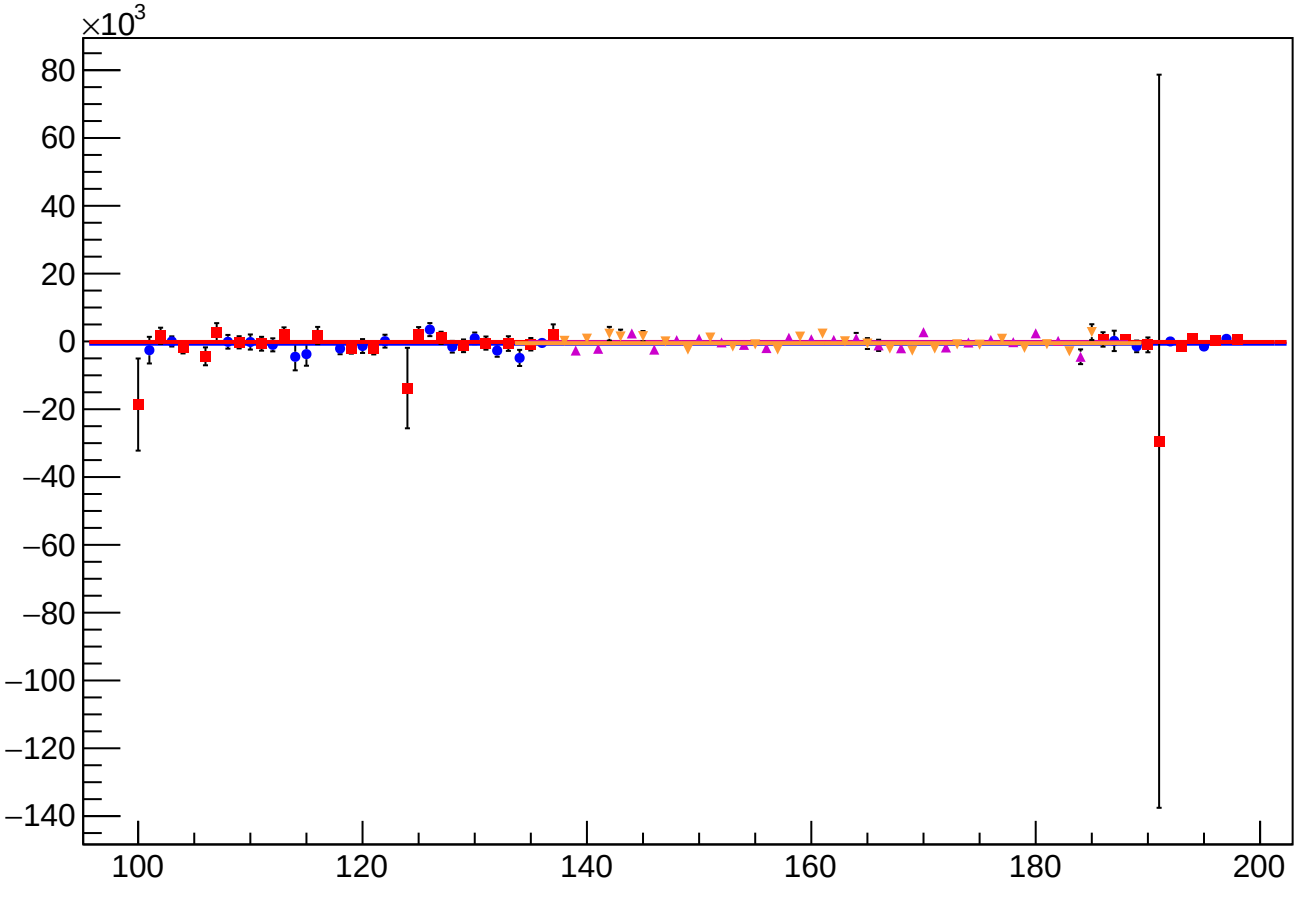
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 437.884+/-0.082 χ^2/NDF: 16726749.8/47

In: 293.927+/-0.044 χ^2/NDF:11982699.9/43

Out: 291.967+/-0.043 χ^2/NDF:15931316.9/51

All: 292.921+/-0.031 χ^2/NDF: 27915041.8/95



Right In: -677.045+/-398.816 χ^2/NDF: 15.4/20

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -159.506+/-371.507 χ^2/NDF: 18.2/26

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

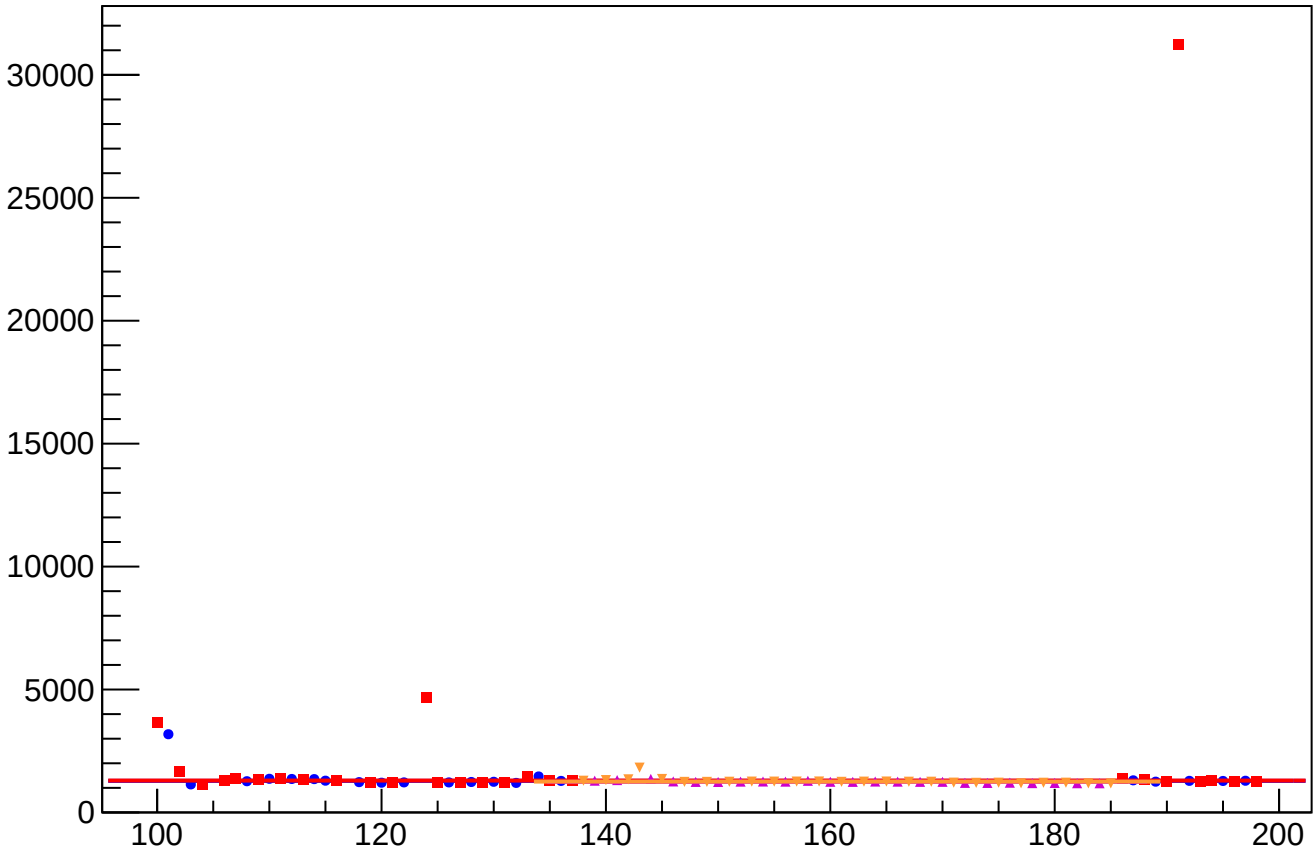
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -399.952+/-271.837 χ^2/NDF: 34.5/47

In: -393.693+/-235.163 χ^2/NDF:48.2/43

Out: -382.389+/-226.596 χ^2/NDF:49.7/51

All: -387.832+/-163.172 χ^2/NDF: 97.9/95



Right In: 1284.434+/-0.282 χ^2/NDF: 518995.1/20

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1297.028+/-0.263 χ^2/NDF: 489730.4/26

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

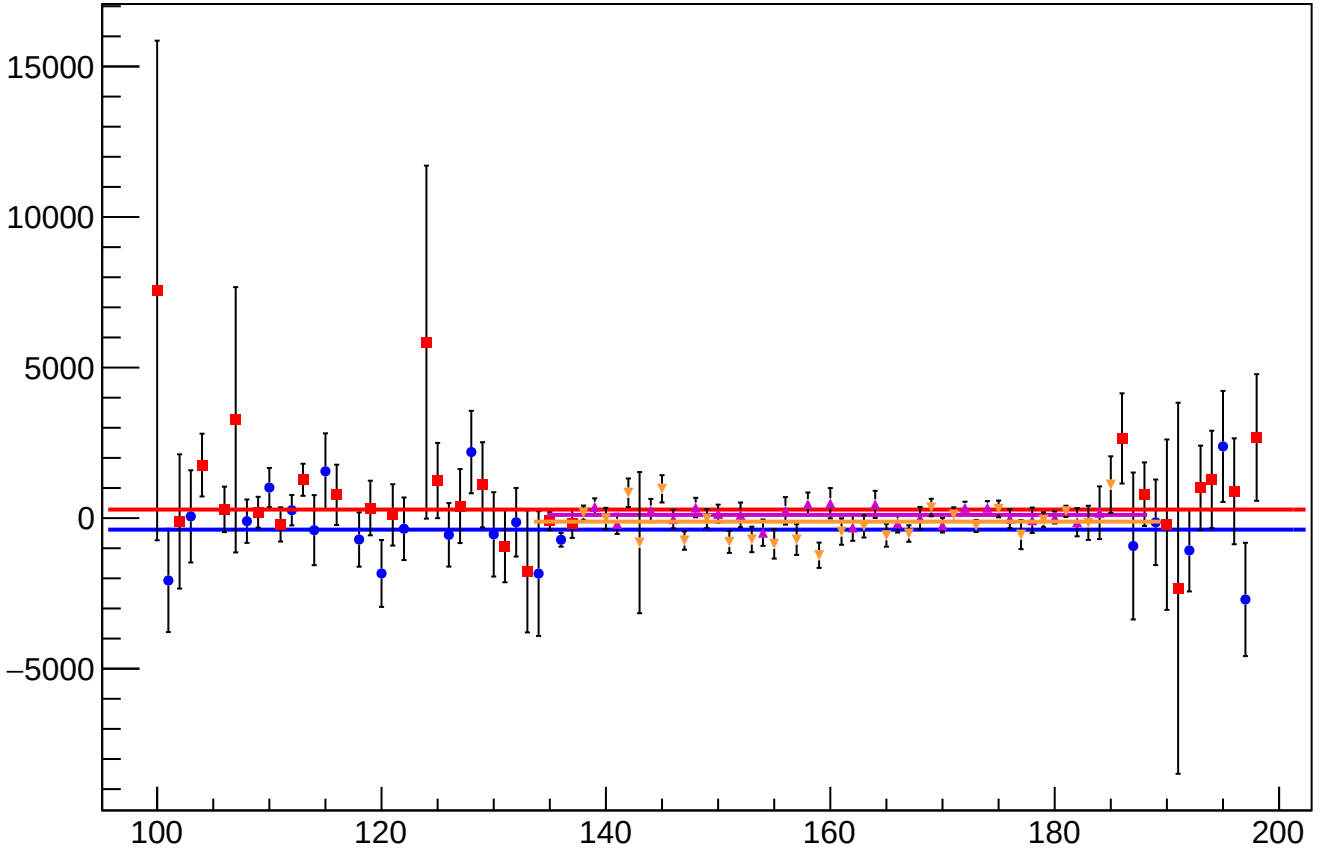
Right: 1291.177+/-0.192 χ^2/NDF: 1009793.3/47

In: 1259.594+/-0.166 χ^2/NDF:570745.7/43

Out: 1270.958+/-0.160 χ^2/NDF:708537.5/51

All: 1265.487+/-0.115 χ^2/NDF: 1281705.0/95

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -382.034+/-164.142 χ^2/NDF: 22.0/20

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 284.416+/-162.665 χ^2/NDF: 19.3/26

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

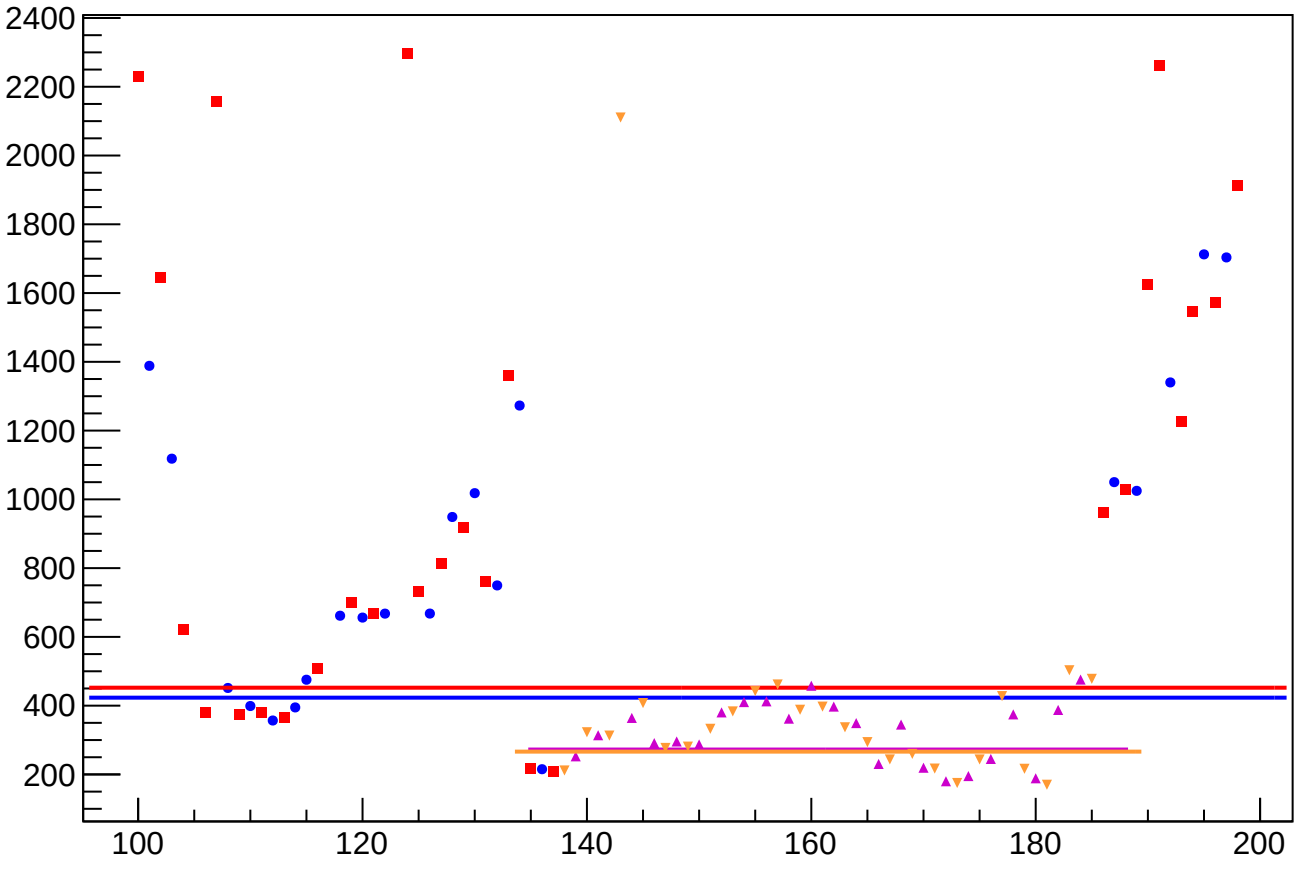
Right: -45.798+/-115.540 χ^2/NDF: 49.6/47

In: 37.546+/-62.033 χ^2/NDF:43.4/43

Out: -61.643+/-60.408 χ^2/NDF:73.0/51

All: -13.365+/-43.278 χ^2/NDF: 117.7/95

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 423.256+/-0.116 χ^2/NDF: 7646616.4/20

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 452.251+/-0.115 χ^2/NDF: 9048649.2/26

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

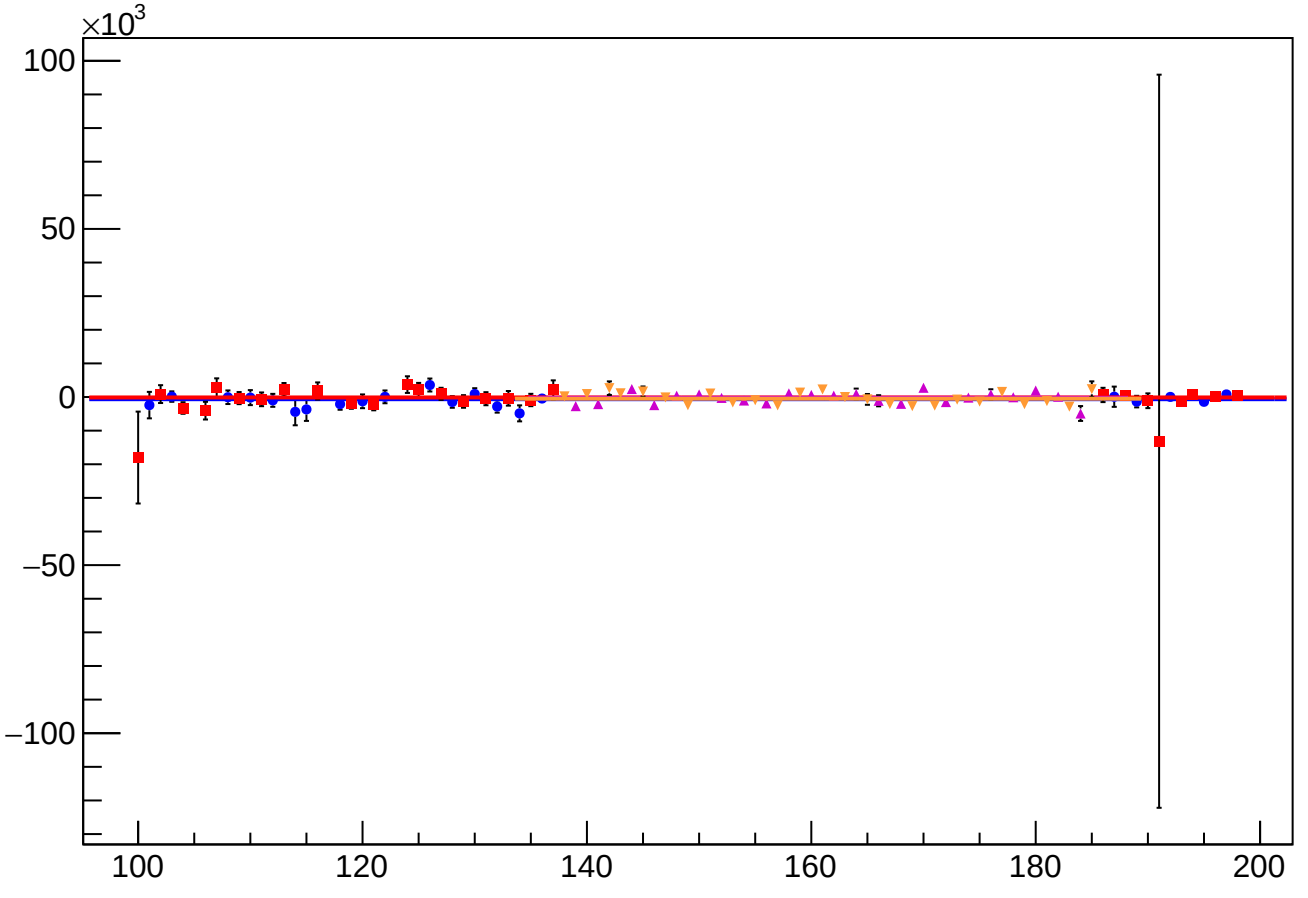
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 437.884+/-0.082 χ^2/NDF: 16726749.8/47

In: 293.927+/-0.044 χ^2/NDF:11982699.9/43

Out: 291.967+/-0.043 χ^2/NDF:15931316.9/51

All: 292.921+/-0.031 χ^2/NDF: 27915041.8/95



Right In: -643.797+/-400.384 χ^2/NDF: 15.5/20

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -130.149+/-370.156 χ^2/NDF: 20.1/26

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

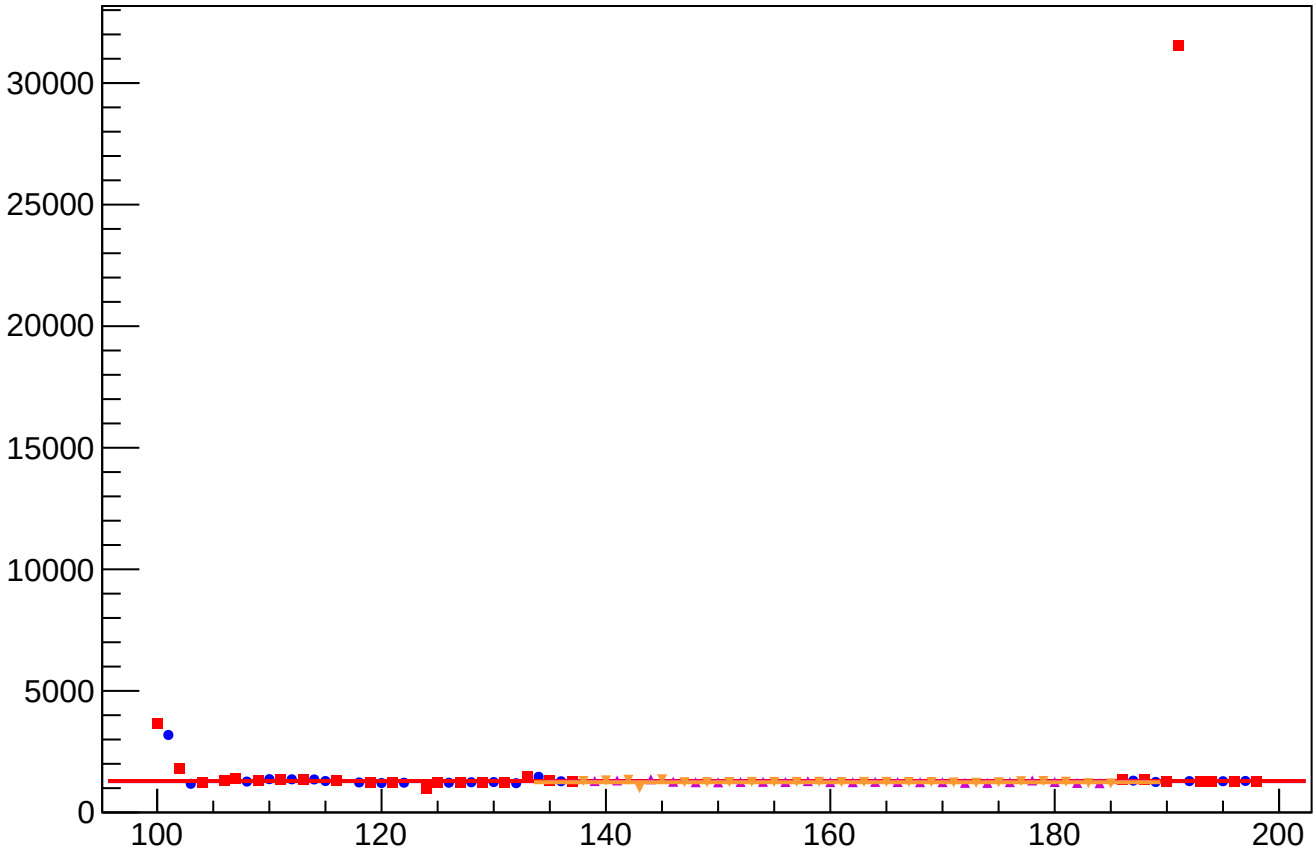
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -366.853+/-271.799 χ^2/NDF: 36.5/47

In: -382.966+/-237.152 χ^2/NDF:46.8/43

Out: -359.579+/-224.687 χ^2/NDF:55.0/51

All: -370.642+/-163.107 χ^2/NDF: 101.8/95



Right In: 1289.662+/-0.283 χ^2/NDF: 510429.5/20

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1292.586+/-0.262 χ^2/NDF: 372231.4/26

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

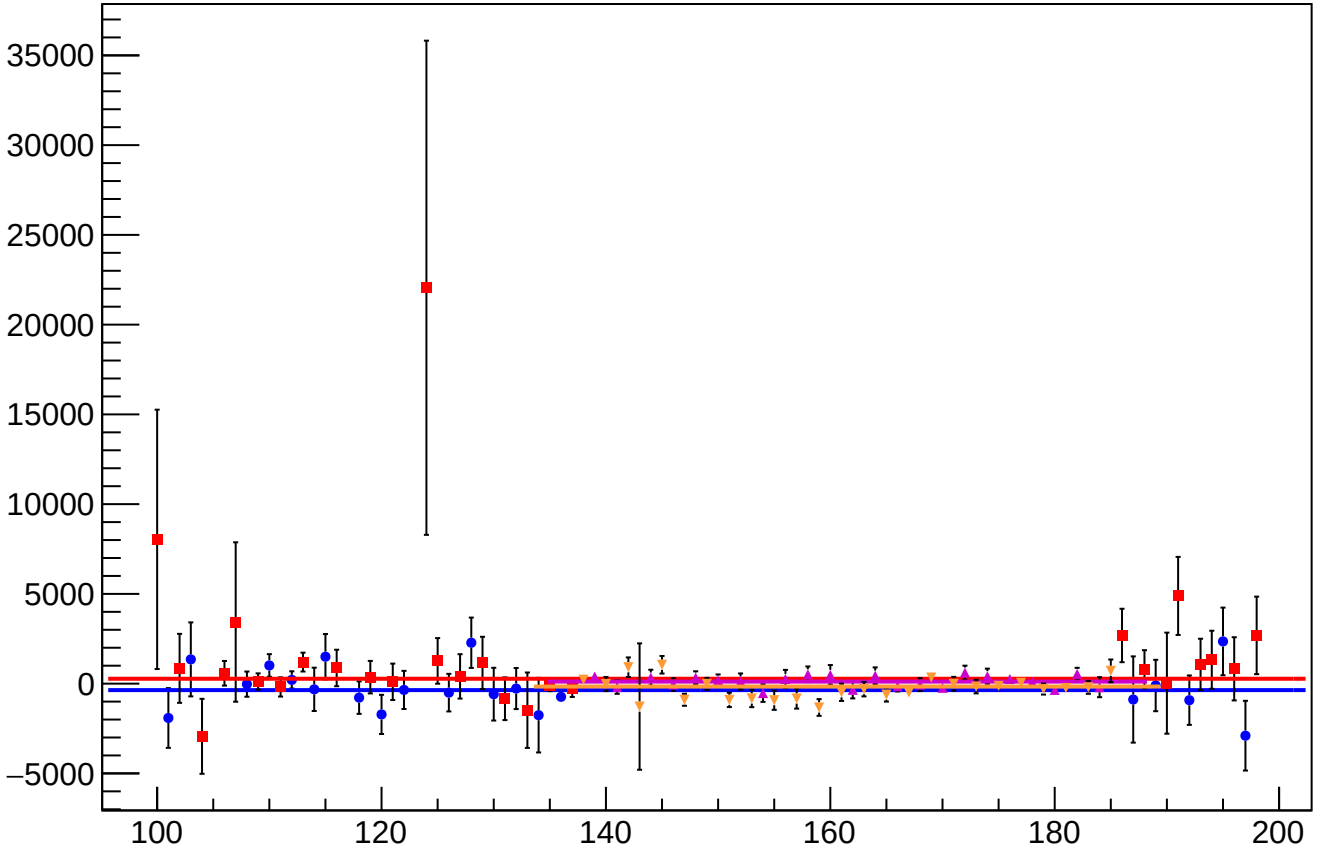
Right: 1291.239+/-0.192 χ^2/NDF: 882718.4/47

In: 1270.467+/-0.168 χ^2/NDF:545442.7/43

Out: 1260.980+/-0.159 χ^2/NDF:525344.1/51

All: 1265.468+/-0.115 χ^2/NDF: 1072473.7/95

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -360.180+/-165.861 χ^2/NDF: 22.5/20

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 272.734+/-162.612 χ^2/NDF: 25.8/26

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

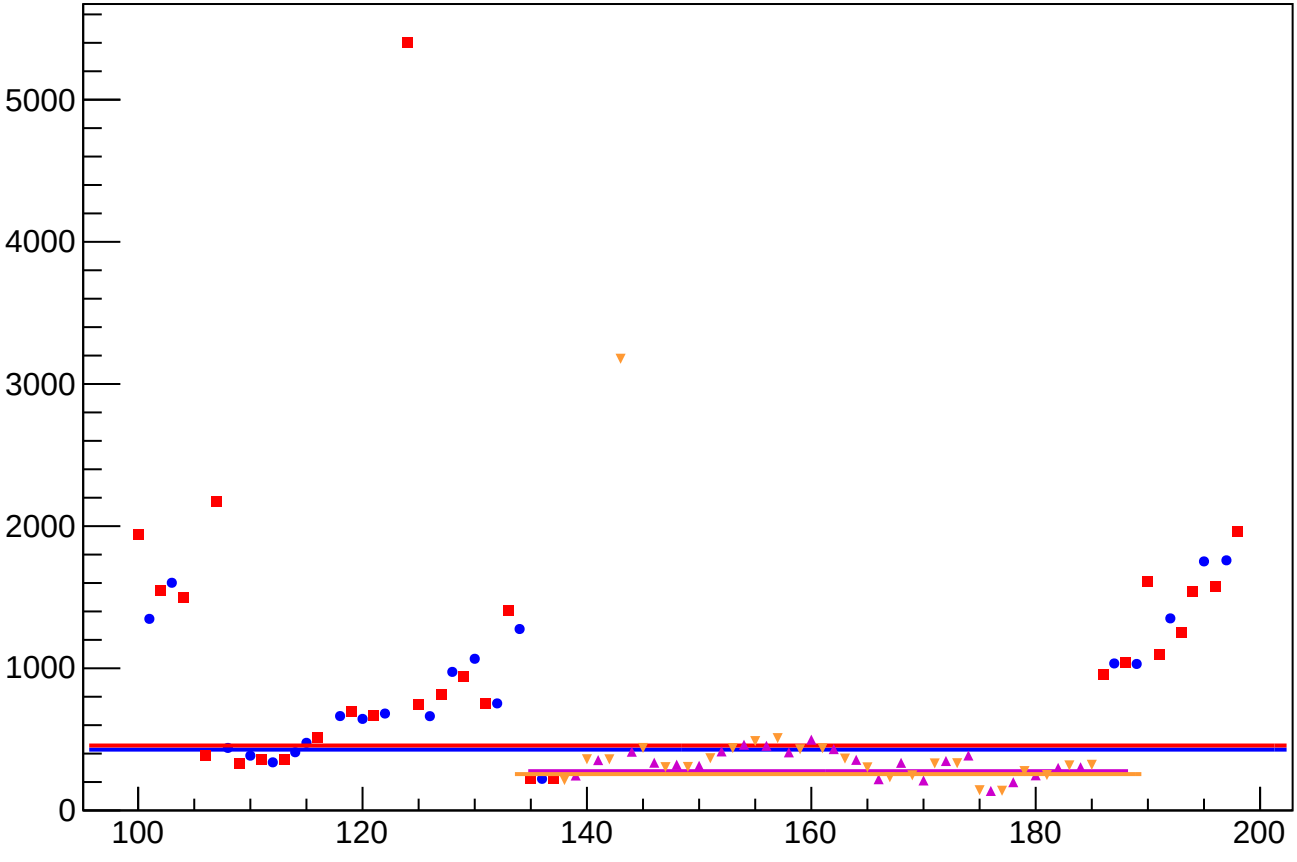
Right: -37.464+/-116.116 χ^2/NDF: 55.7/47

In: 44.081+/-63.582 χ^2/NDF:47.6/43

Out: -102.556+/-59.660 χ^2/NDF:75.7/51

All: -33.898+/-43.506 χ^2/NDF: 126.1/95

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 427.945+/-0.117 χ^2/NDF: 7778236.2/20

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 456.865+/-0.115 χ^2/NDF: 9557914.2/26

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

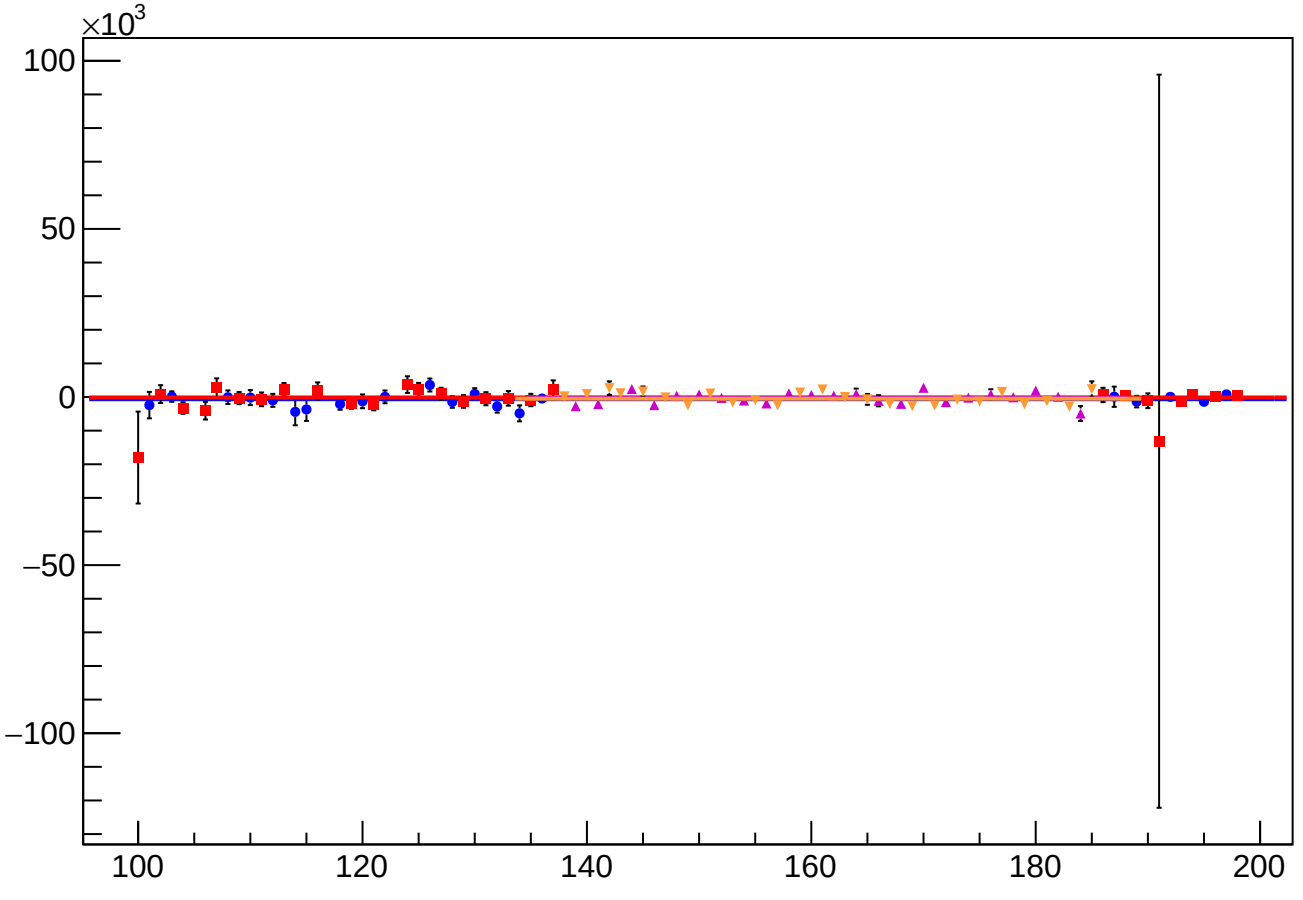
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 442.691+/-0.082 χ^2/NDF: 17367153.4/47

In: 298.583+/-0.045 χ^2/NDF:13231854.1/43

Out: 282.837+/-0.042 χ^2/NDF:18578805.2/51

All: 290.210+/-0.031 χ^2/NDF: 31875888.9/95



Right In: -643.798+/-400.384 χ^2/NDF: 15.5/20

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -130.148+/-370.155 χ^2/NDF: 20.1/26

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

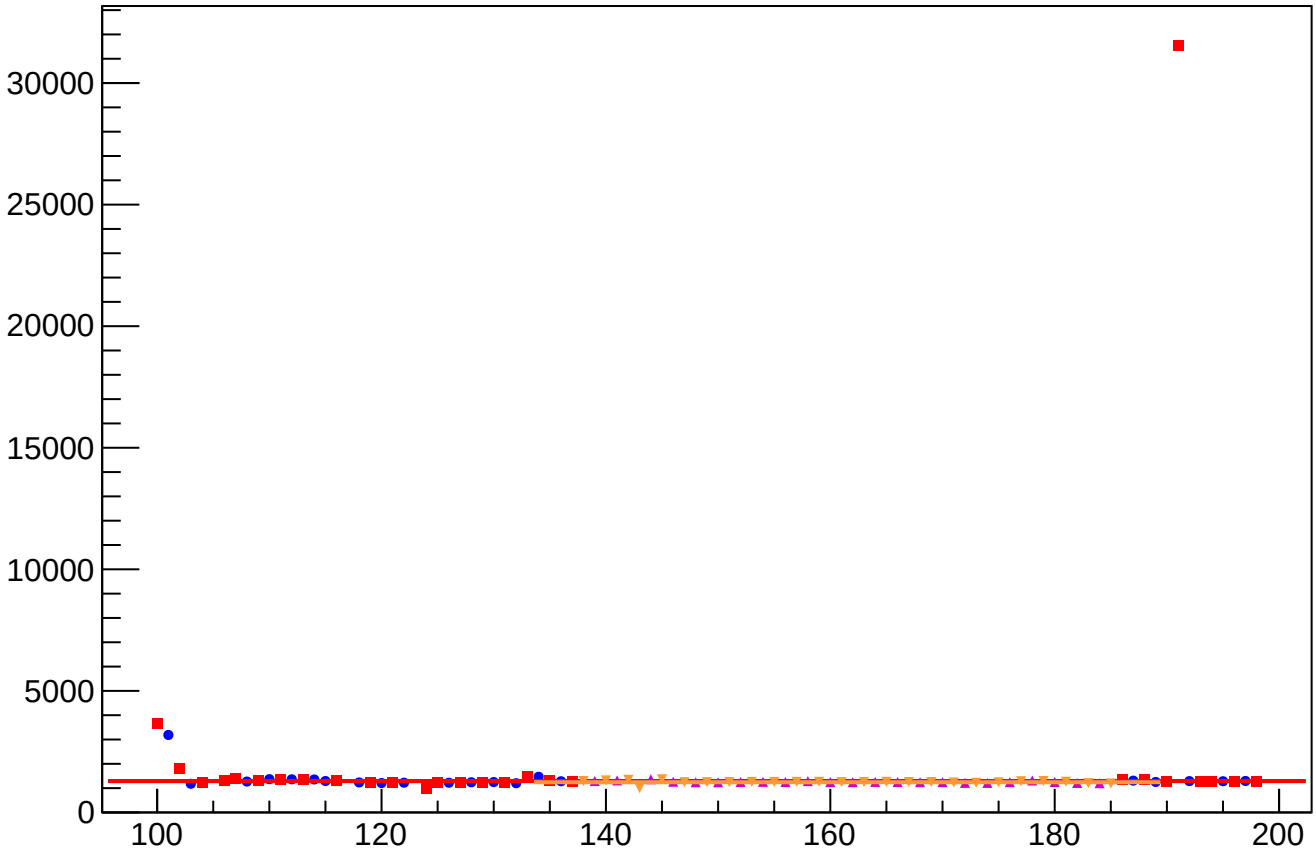
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -366.853+/-271.799 χ^2/NDF: 36.5/47

In: -382.966+/-237.152 χ^2/NDF:46.8/43

Out: -359.579+/-224.687 χ^2/NDF:55.0/51

All: -370.642+/-163.107 χ^2/NDF: 101.8/95



Right In: 1289.662+/-0.283 χ^2/NDF: 510429.5/20

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1292.586+/-0.262 χ^2/NDF: 372231.6/26

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

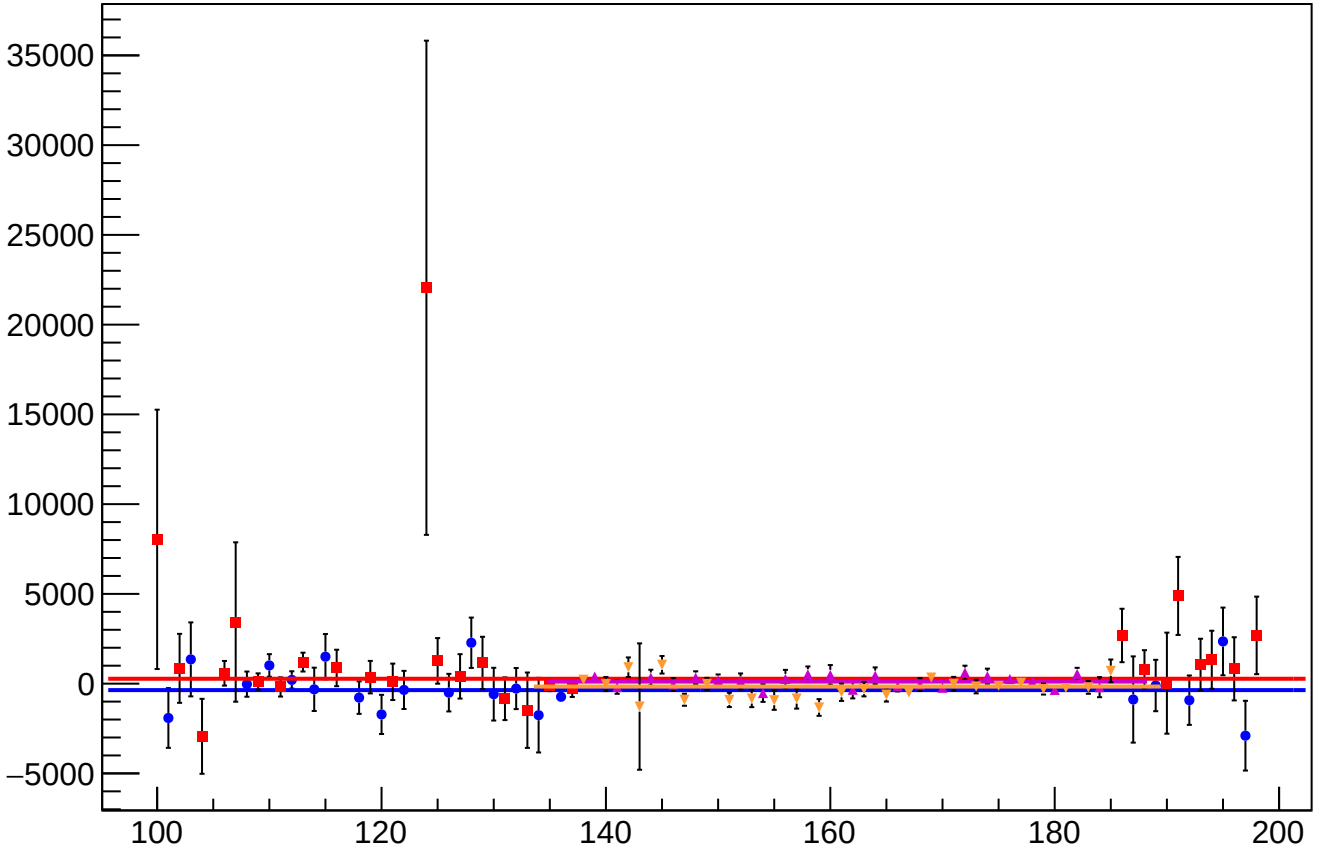
Right: 1291.239+/-0.192 χ^2/NDF: 882718.7/47

In: 1270.467+/-0.168 χ^2/NDF:545442.7/43

Out: 1260.980+/-0.159 χ^2/NDF:525343.5/51

All: 1265.468+/-0.115 χ^2/NDF: 1072473.1/95

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -360.181+/-165.864 χ^2/NDF: 22.5/20

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 272.742+/-162.614 χ^2/NDF: 25.8/26

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

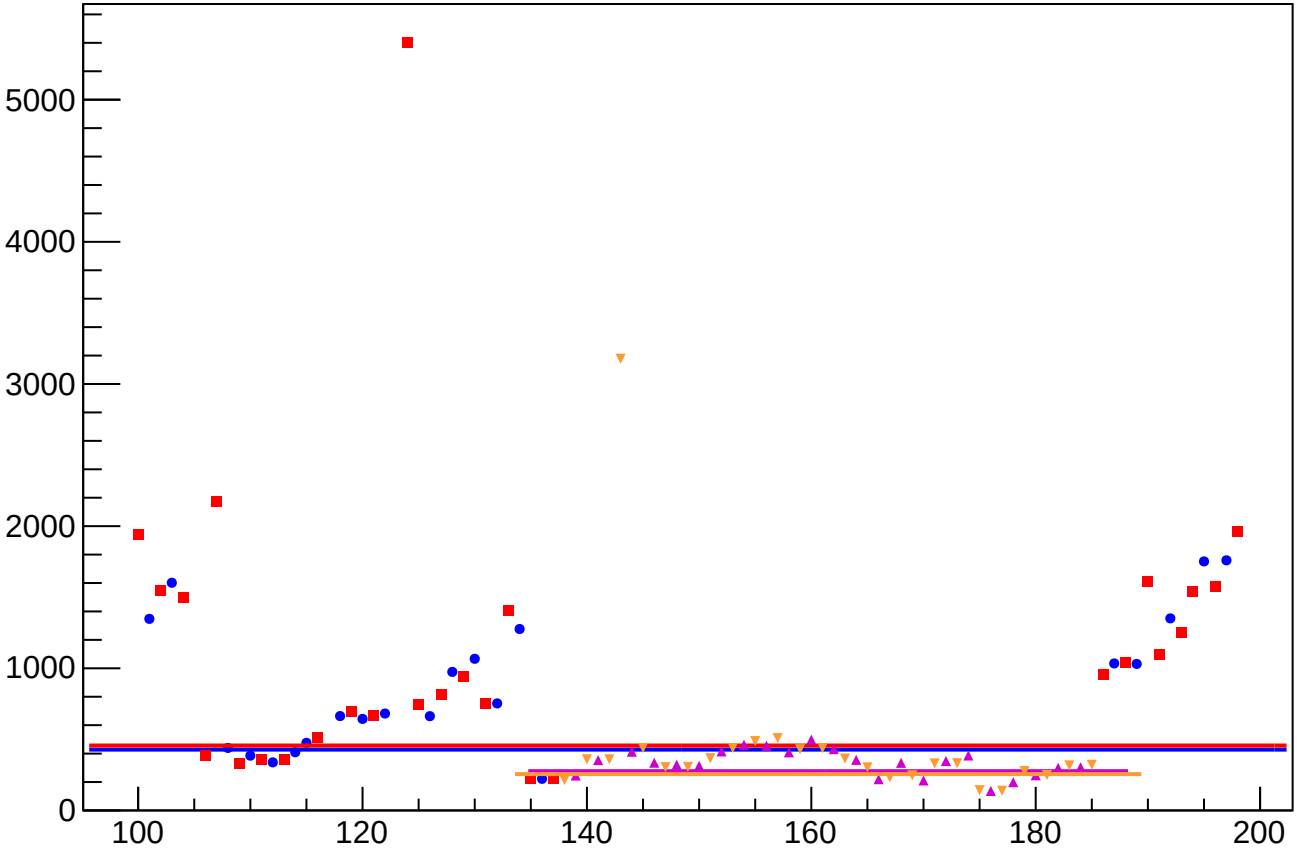
Right: -37.459+/-116.117 χ^2/NDF: 55.7/47

In: 44.081+/-63.582 χ^2/NDF:47.6/43

Out: -102.559+/-59.661 χ^2/NDF:75.7/51

All: -33.899+/-43.507 χ^2/NDF: 126.1/95

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 427.956+/-0.117 χ^2/NDF: 7777980.4/20

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 456.874+/-0.115 χ^2/NDF: 9557684.8/26

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

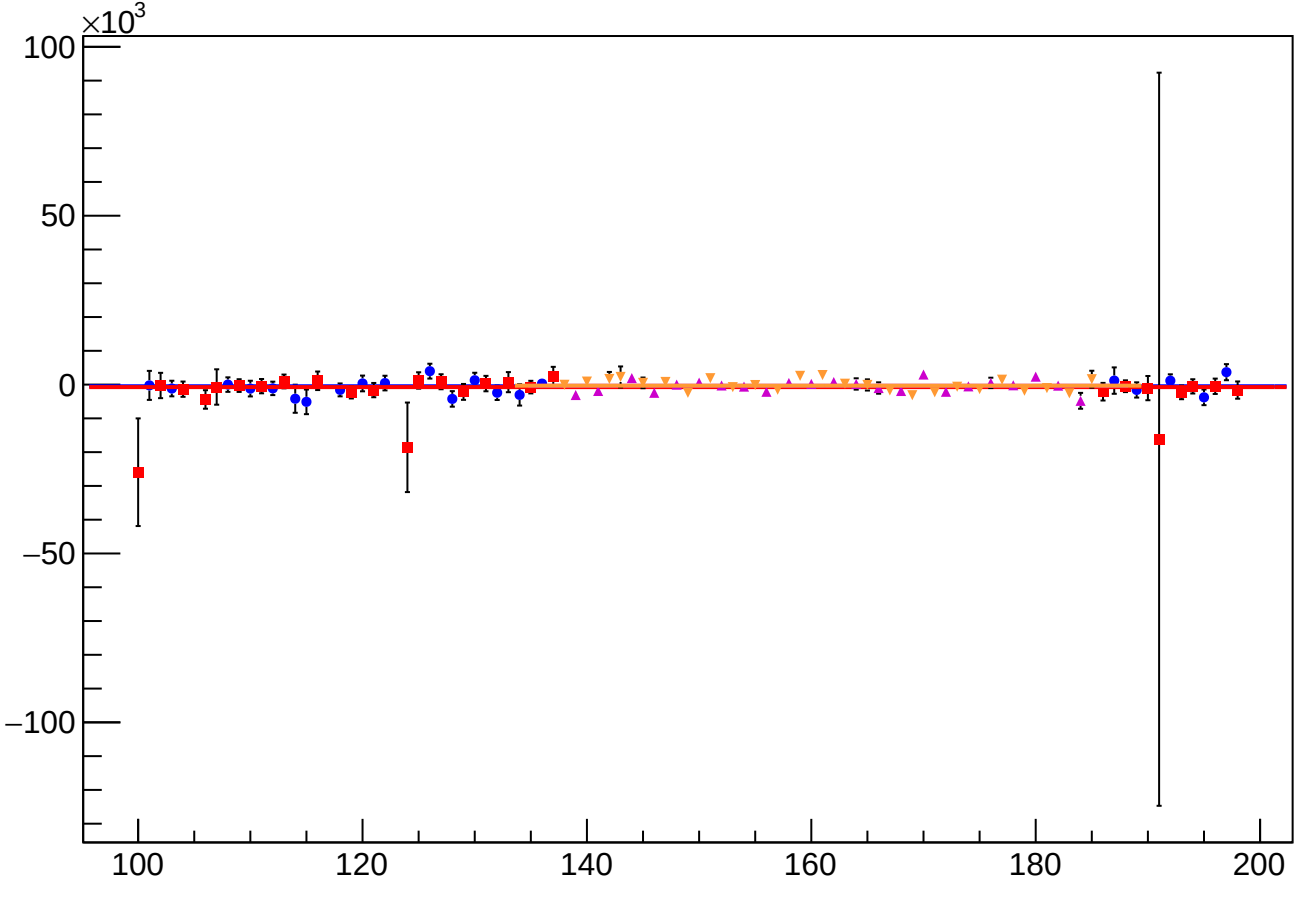
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 442.701+/-0.082 χ^2/NDF: 17366662.9/47

In: 298.585+/-0.045 χ^2/NDF:13231718.5/43

Out: 282.839+/-0.042 χ^2/NDF:18578620.5/51

All: 290.211+/-0.031 χ^2/NDF: 31875564.3/95



Right In: -488.681+/-497.145 χ^2/NDF: 18.8/20

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -745.033+/-472.332 χ^2/NDF: 12.5/26

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

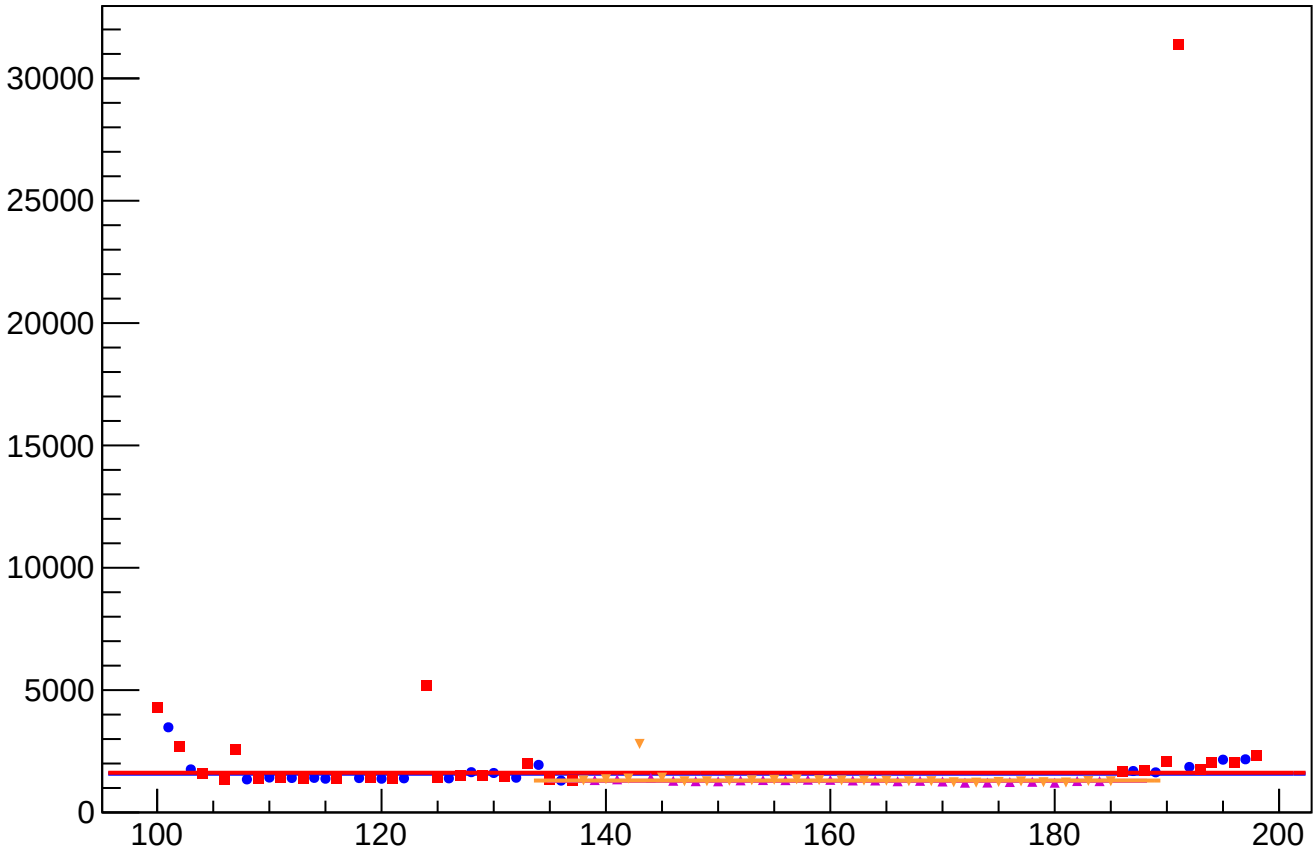
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -623.414+/-342.425 χ^2/NDF: 31.4/47

In: -392.030+/-258.048 χ^2/NDF:48.5/43

Out: -440.989+/-252.195 χ^2/NDF:44.6/51

All: -417.071+/-180.362 χ^2/NDF: 93.2/95



Right In: 1583.181+/-0.352 χ^2/NDF: 935911.7/20

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1622.668+/-0.334 χ^2/NDF: 1222335.6/26

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

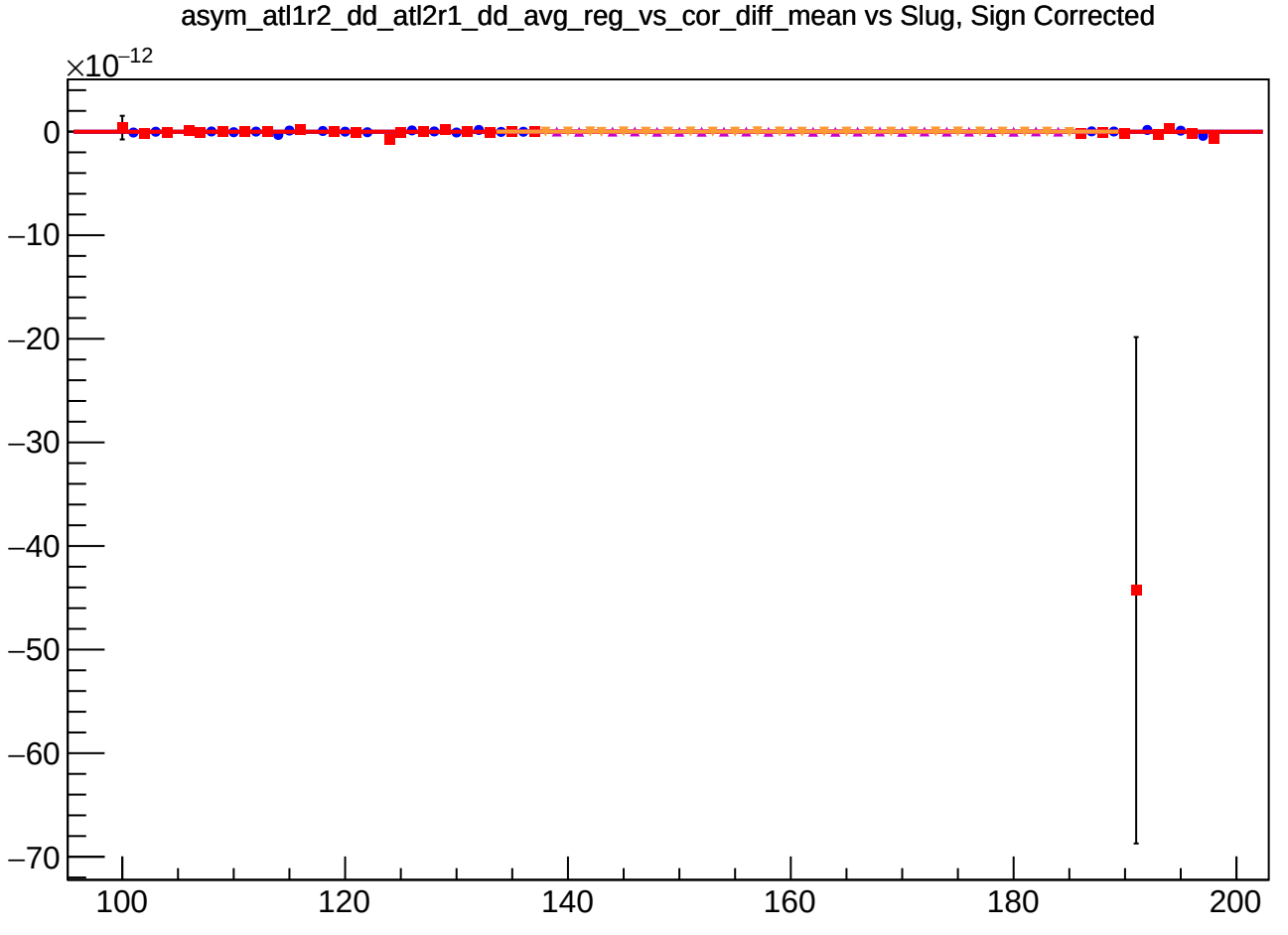
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1603.935+/-0.242 χ^2/NDF: 2164878.5/47

In: 1370.541+/-0.182 χ^2/NDF:1485086.1/43

Out: 1394.960+/-0.178 χ^2/NDF:2392134.2/51

All: 1383.031+/-0.128 χ^2/NDF: 3886381.0/95



Right In: -0.000+/-0.000 χ^2/NDF: 15.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.3/26

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

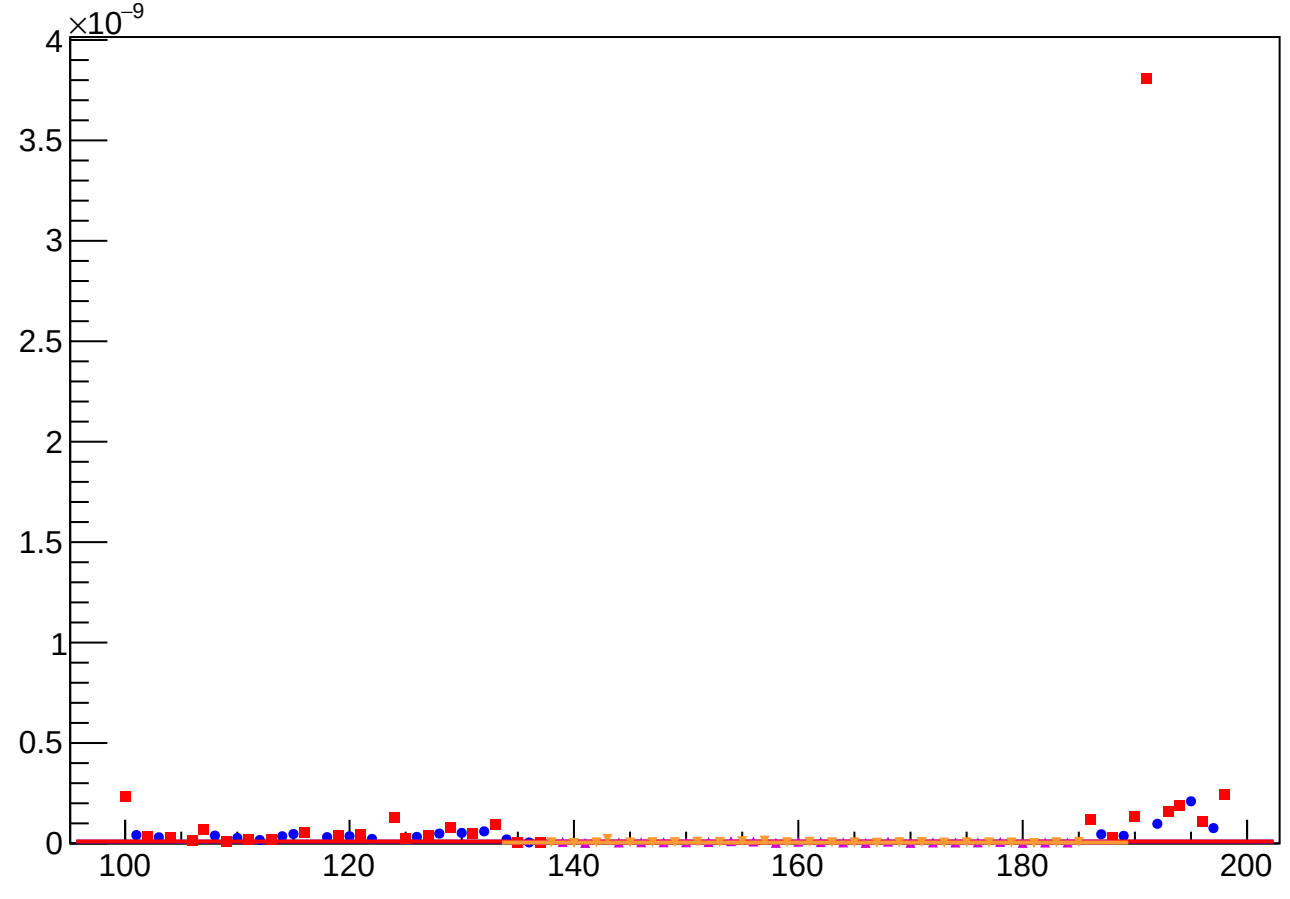
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 50.5/47

In: -0.000+/-0.000 χ^2/NDF:47.0/43

Out: -0.000+/-0.000 χ^2/NDF:62.4/51

All: -0.000+/-0.000 χ^2/NDF: 109.7/95



Right In: 0.000+/-0.000 χ^2/NDF: 4820521.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6969984.9/26

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

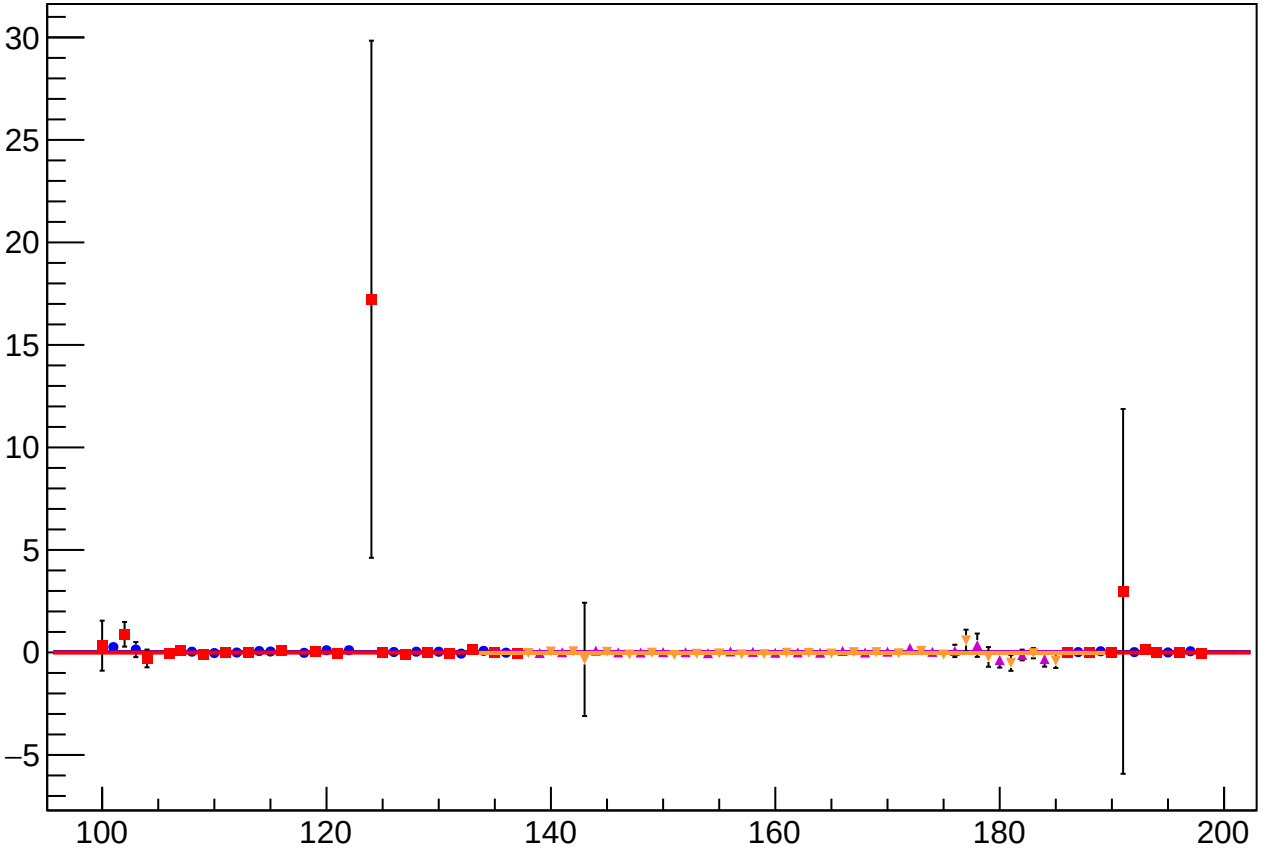
Right: 0.000+/-0.000 χ^2/NDF: 11796960.3/47

In: 0.000+/-0.000 χ^2/NDF:7308130.5/43

Out: 0.000+/-0.000 χ^2/NDF:10465973.2/51

All: 0.000+/-0.000 χ^2/NDF: 17799474.6/95

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.014 χ^2/NDF: 12.0/20

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

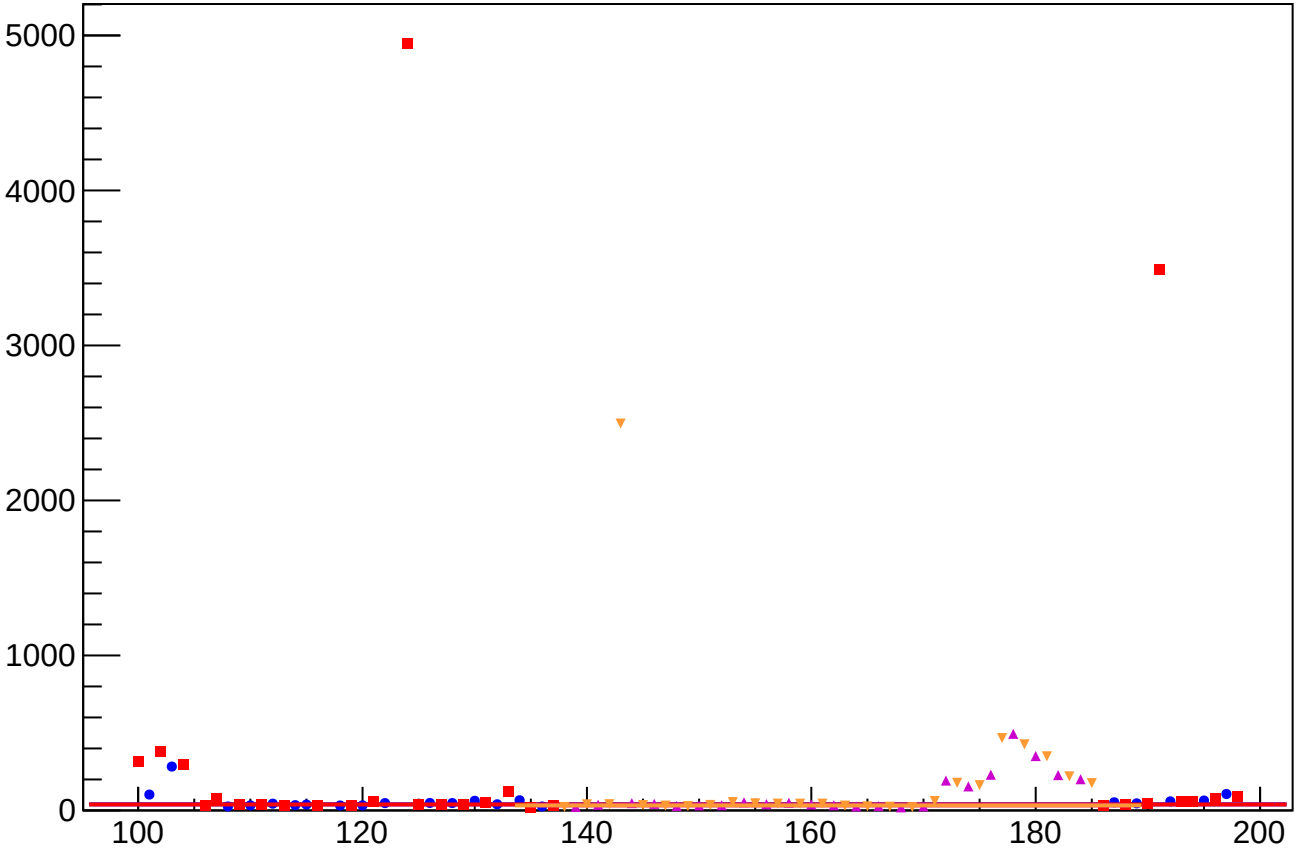
Right: 0.005+/-0.010 χ^2/NDF: 33.7/47

In: 0.013+/-0.008 χ^2/NDF:25.3/43

Out: -0.020+/-0.008 χ^2/NDF:50.2/51

All: -0.004+/-0.006 χ^2/NDF: 84.7/95

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.482+/-0.010 χ^2/NDF: 3433000.0/20

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 38.621+/-0.009 χ^2/NDF: 4731013.7/26

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

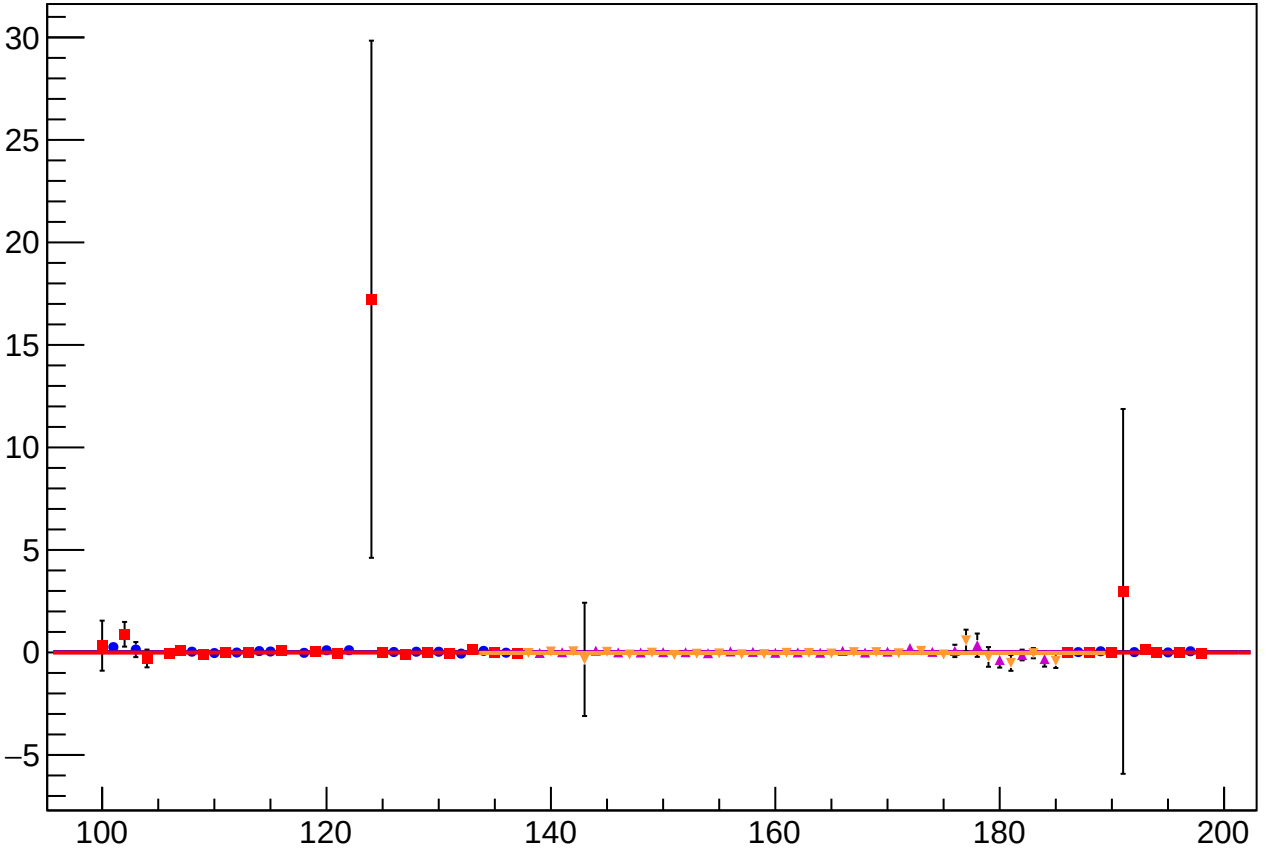
Right: 39.015+/-0.007 χ^2/NDF: 8167985.7/47

In: 34.818+/-0.006 χ^2/NDF:12707108.7/43

Out: 34.653+/-0.005 χ^2/NDF:15884579.1/51

All: 34.734+/-0.004 χ^2/NDF: 28592136.0/95

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.014 χ^2/NDF: 12.0/20

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

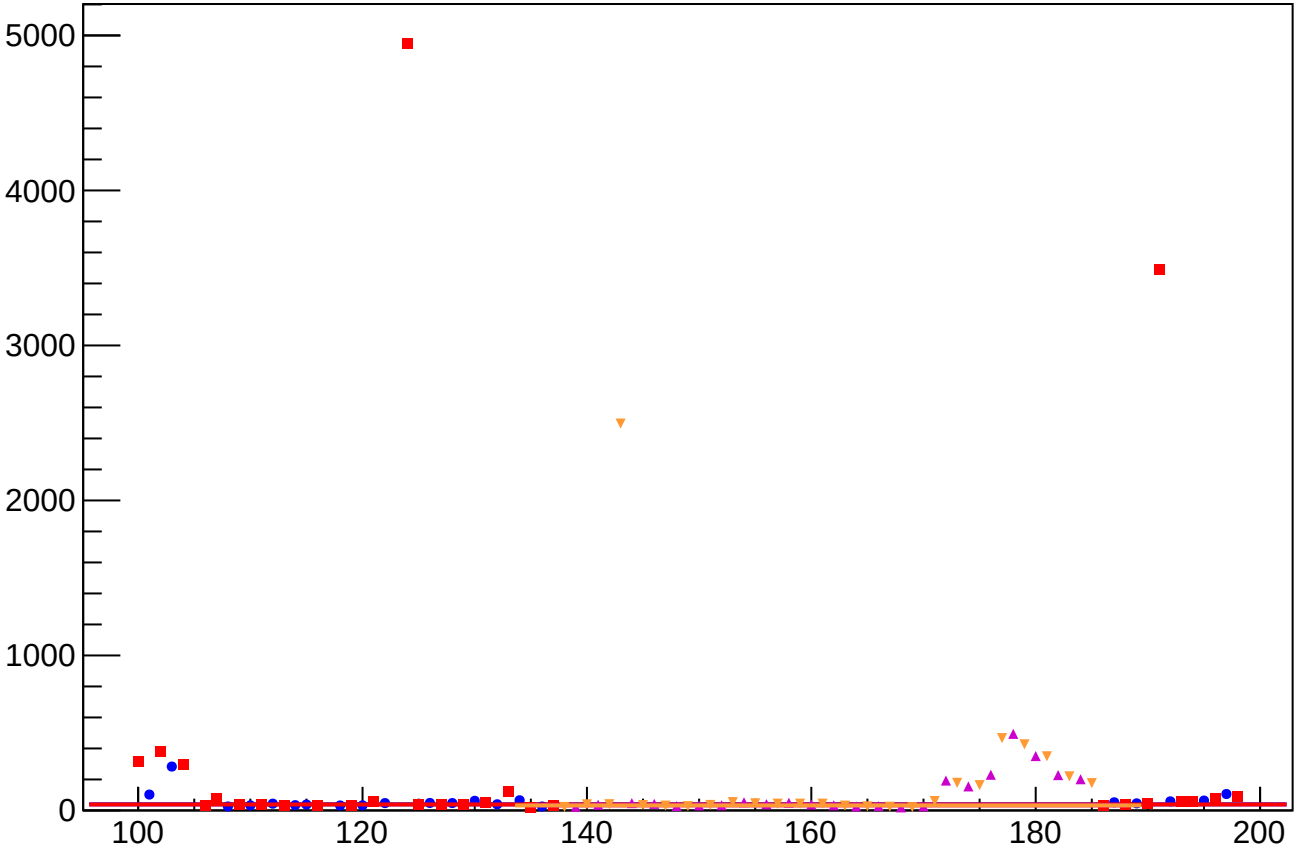
Right: 0.005+/-0.010 χ^2/NDF: 33.7/47

In: 0.013+/-0.008 χ^2/NDF:25.3/43

Out: -0.020+/-0.008 χ^2/NDF:50.2/51

All: -0.004+/-0.006 χ^2/NDF: 84.7/95

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.482+/-0.010 χ^2/NDF: 3433000.0/20

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 38.621+/-0.009 χ^2/NDF: 4731013.7/26

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

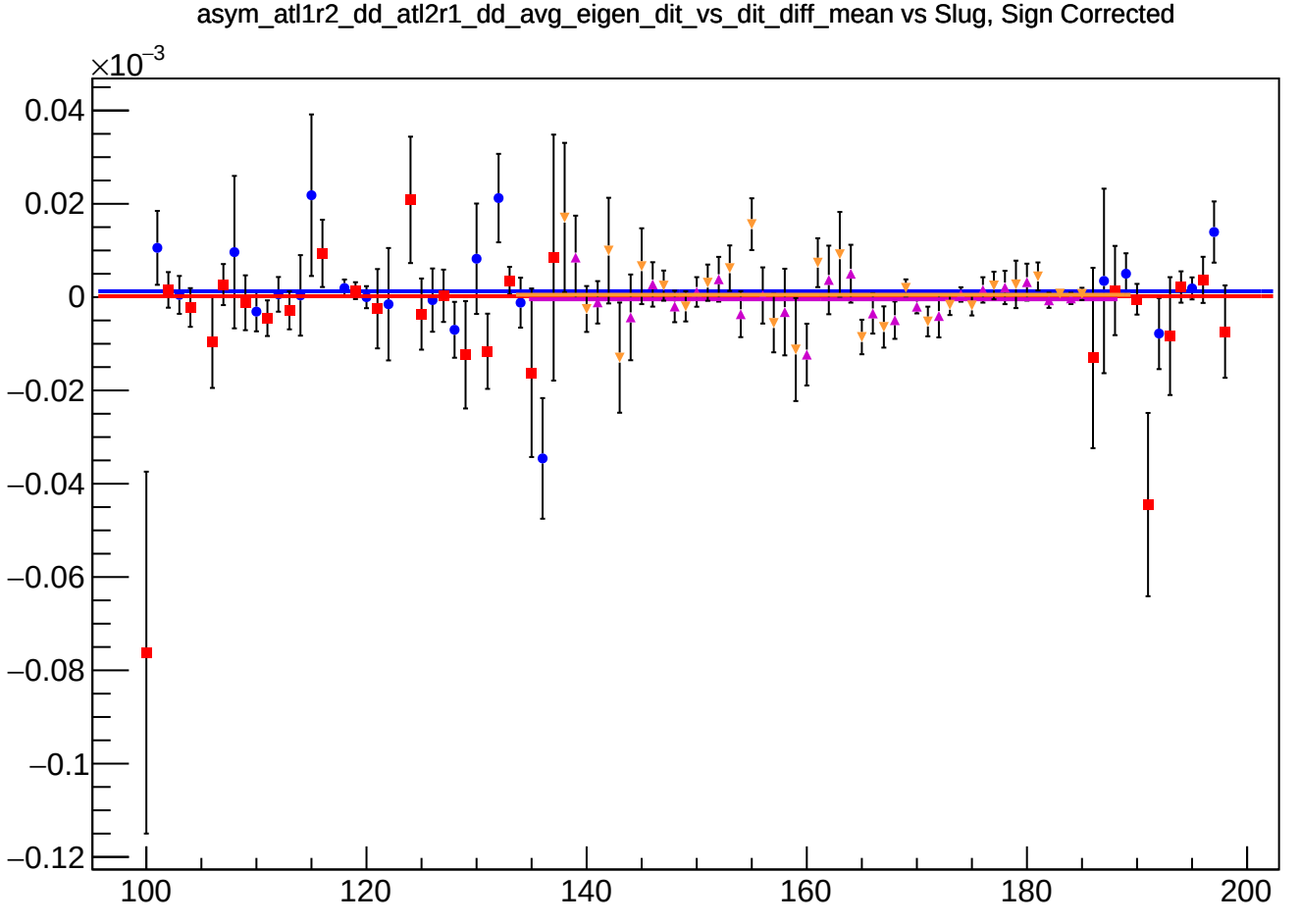
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 39.015+/-0.007 χ^2/NDF: 8167985.7/47

In: 34.818+/-0.006 χ^2/NDF:12707108.7/43

Out: 34.653+/-0.005 χ^2/NDF:15884579.1/51

All: 34.734+/-0.004 χ^2/NDF: 28592136.0/95



Right In: 0.000+/-0.000 χ^2/NDF: 25.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/26

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

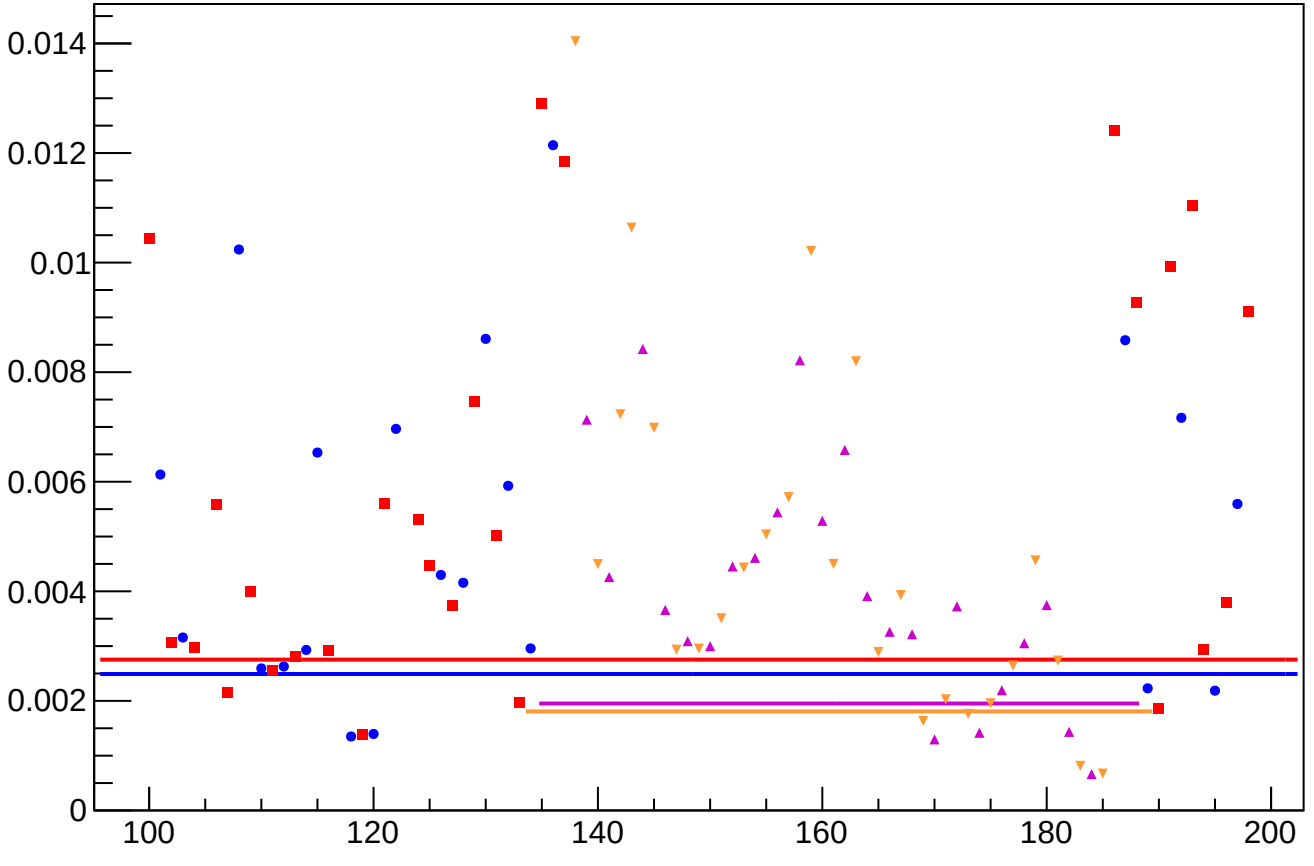
Right: 0.000+/-0.000 χ^2/NDF: 51.6/47

In: 0.000+/-0.000 χ^2/NDF:41.3/43

Out: 0.000+/-0.000 χ^2/NDF:61.5/51

All: 0.000+/-0.000 χ^2/NDF: 103.2/95

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 6175432.1/20

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 7117065.9/26

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

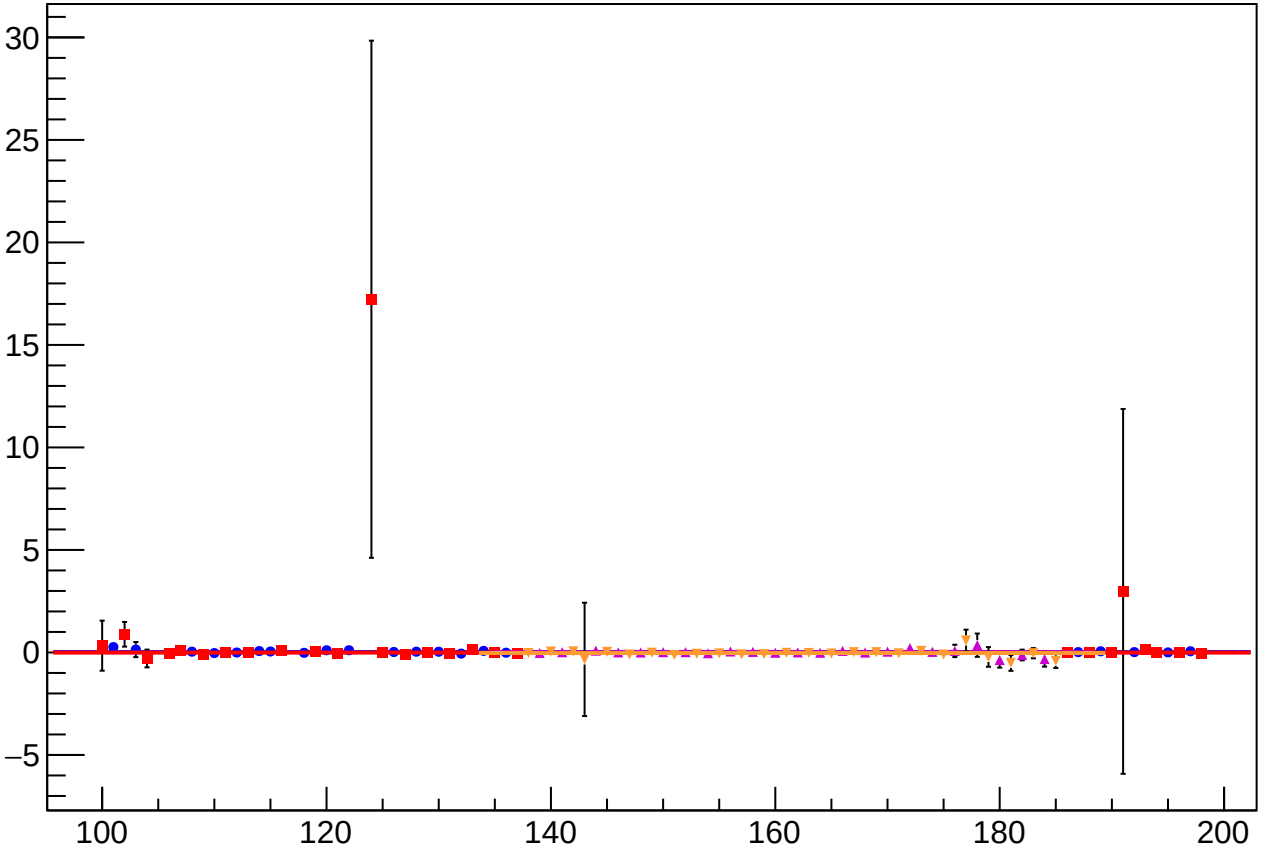
Right: 0.003+/-0.000 χ^2/NDF: 13369507.3/47

In: 0.002+/-0.000 χ^2/NDF:18113913.0/43

Out: 0.002+/-0.000 χ^2/NDF:23577199.2/51

All: 0.002+/-0.000 χ^2/NDF: 41702487.3/95

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.014 χ^2/NDF: 12.0/20

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

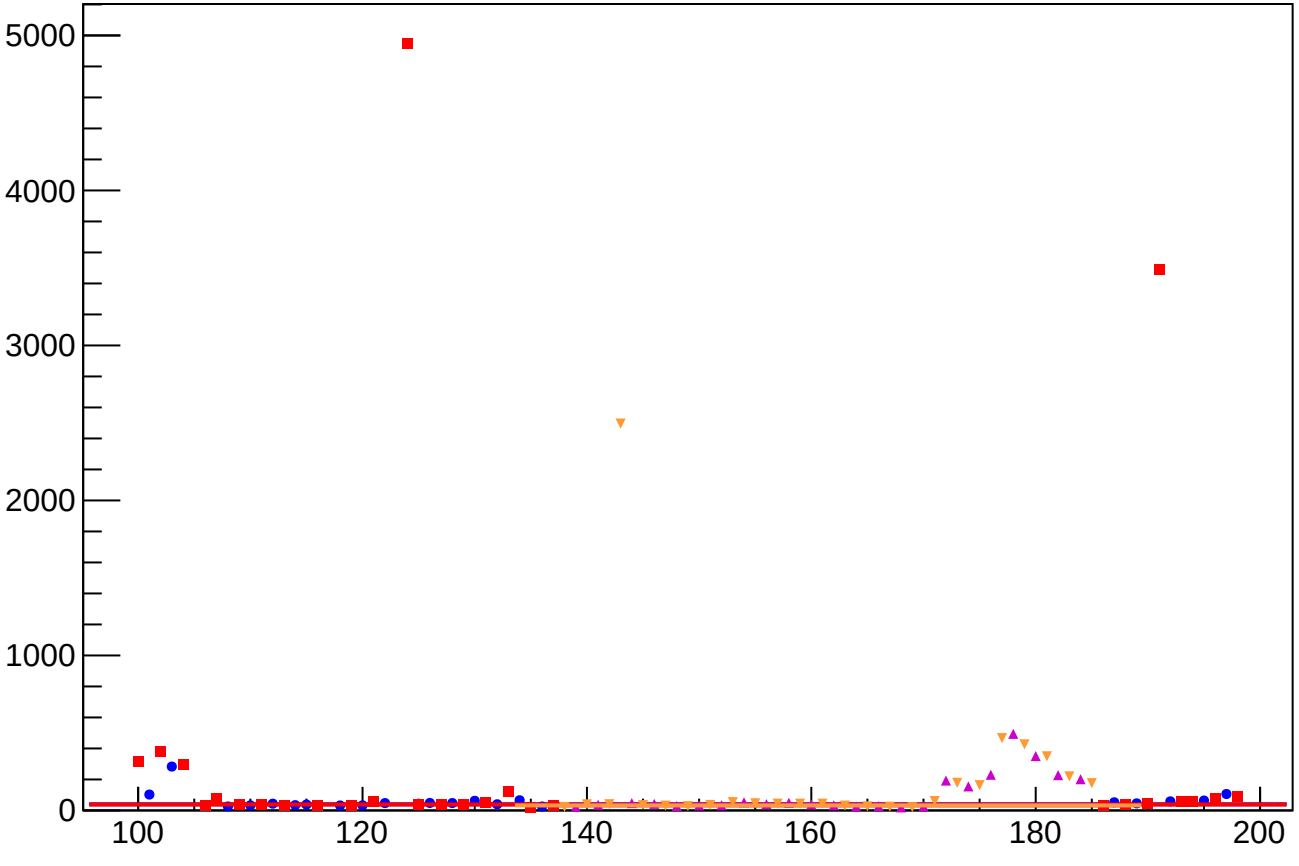
Right: 0.005+/-0.010 χ^2/NDF: 33.7/47

In: 0.013+/-0.008 χ^2/NDF:25.3/43

Out: -0.020+/-0.008 χ^2/NDF:50.2/51

All: -0.004+/-0.006 χ^2/NDF: 84.7/95

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.483+/-0.010 χ^2/NDF: 3432537.6/20

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 38.621+/-0.009 χ^2/NDF: 4730776.9/26

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

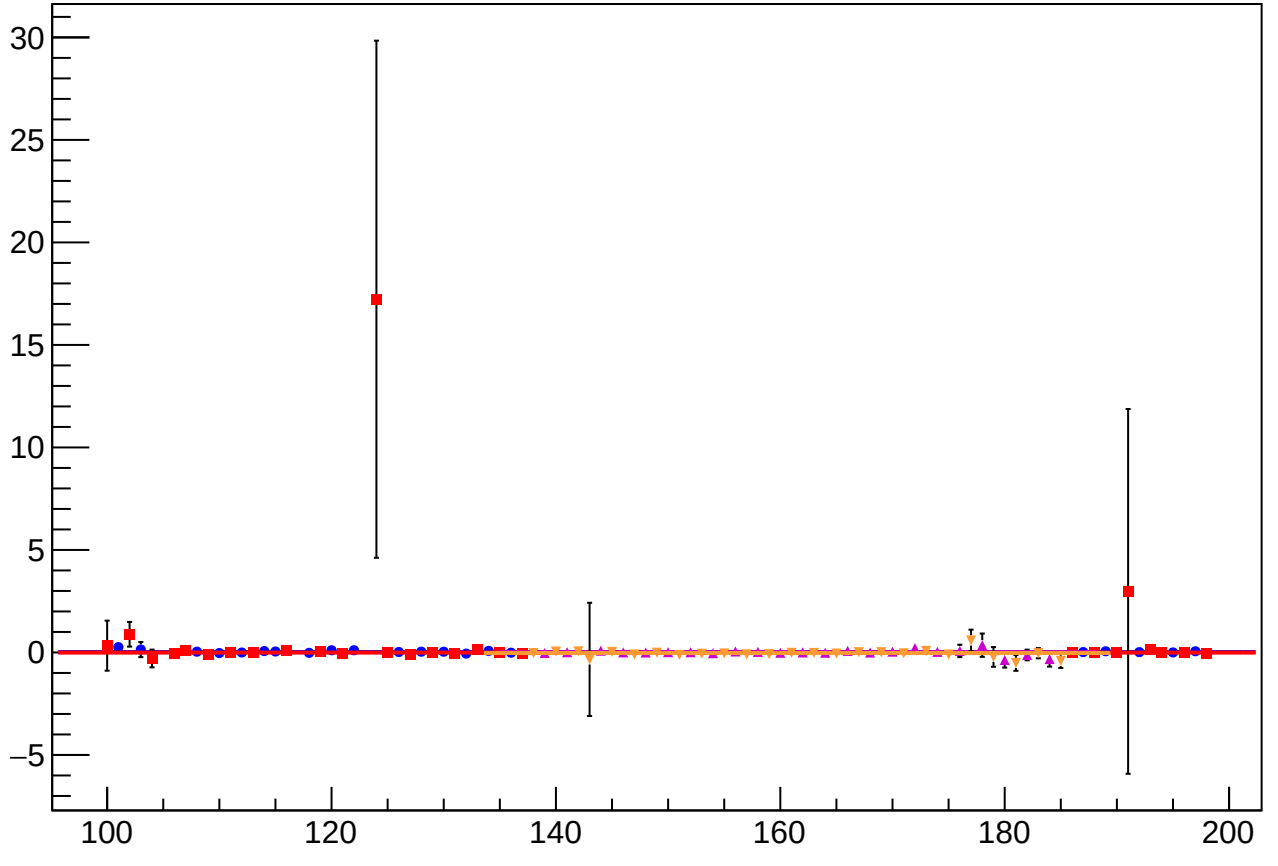
Right: 39.016+/-0.007 χ^2/NDF: 8167297.1/47

In: 34.818+/-0.006 χ^2/NDF:12707523.7/43

Out: 34.653+/-0.005 χ^2/NDF:15884641.5/51

All: 34.733+/-0.004 χ^2/NDF: 28592610.5/95

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.014 χ^2/NDF: 12.0/20

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

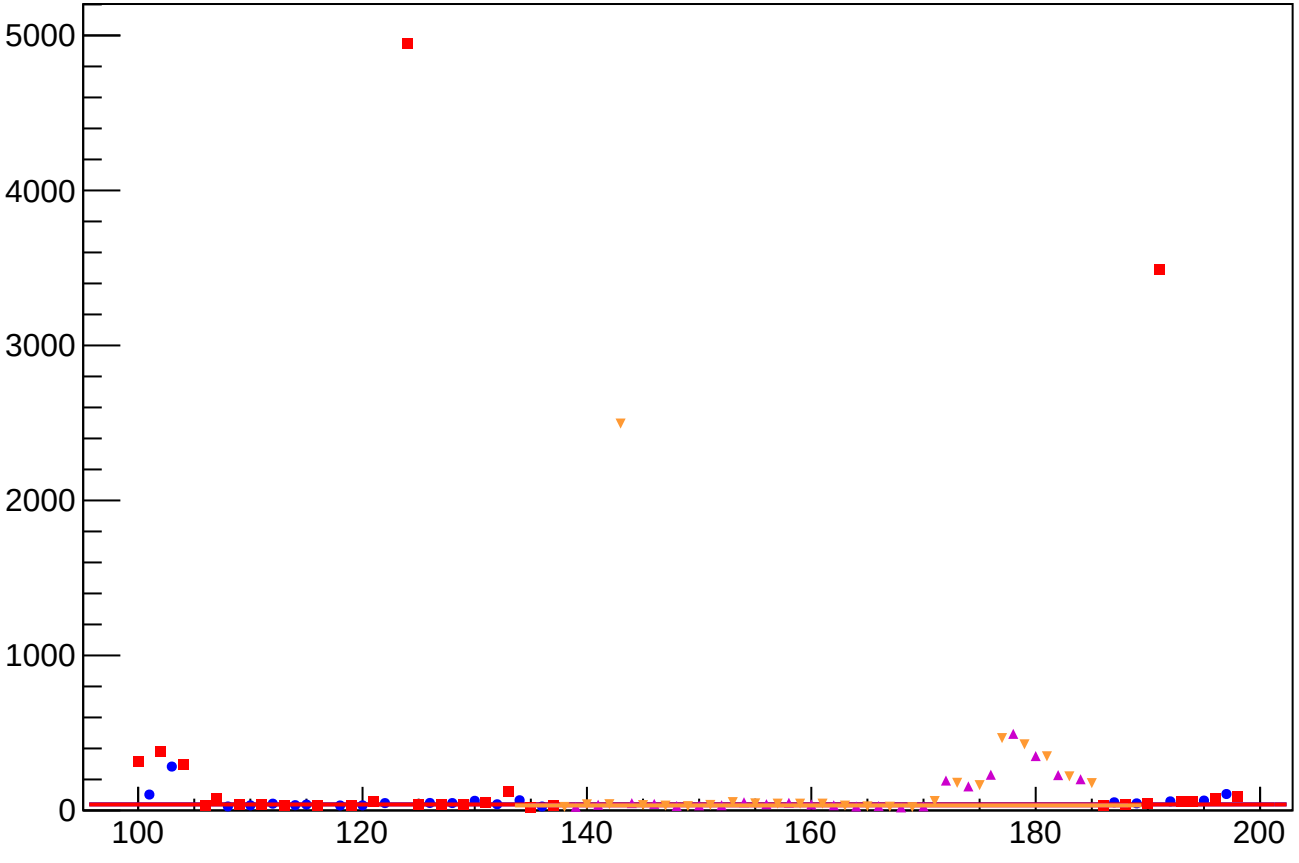
Right: 0.005+/-0.010 χ^2/NDF: 33.7/47

In: 0.013+/-0.008 χ^2/NDF:25.3/43

Out: -0.020+/-0.008 χ^2/NDF:50.2/51

All: -0.004+/-0.006 χ^2/NDF: 84.7/95

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.483+/-0.010 χ^2/NDF: 3432537.6/20

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 38.621+/-0.009 χ^2/NDF: 4730776.9/26

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

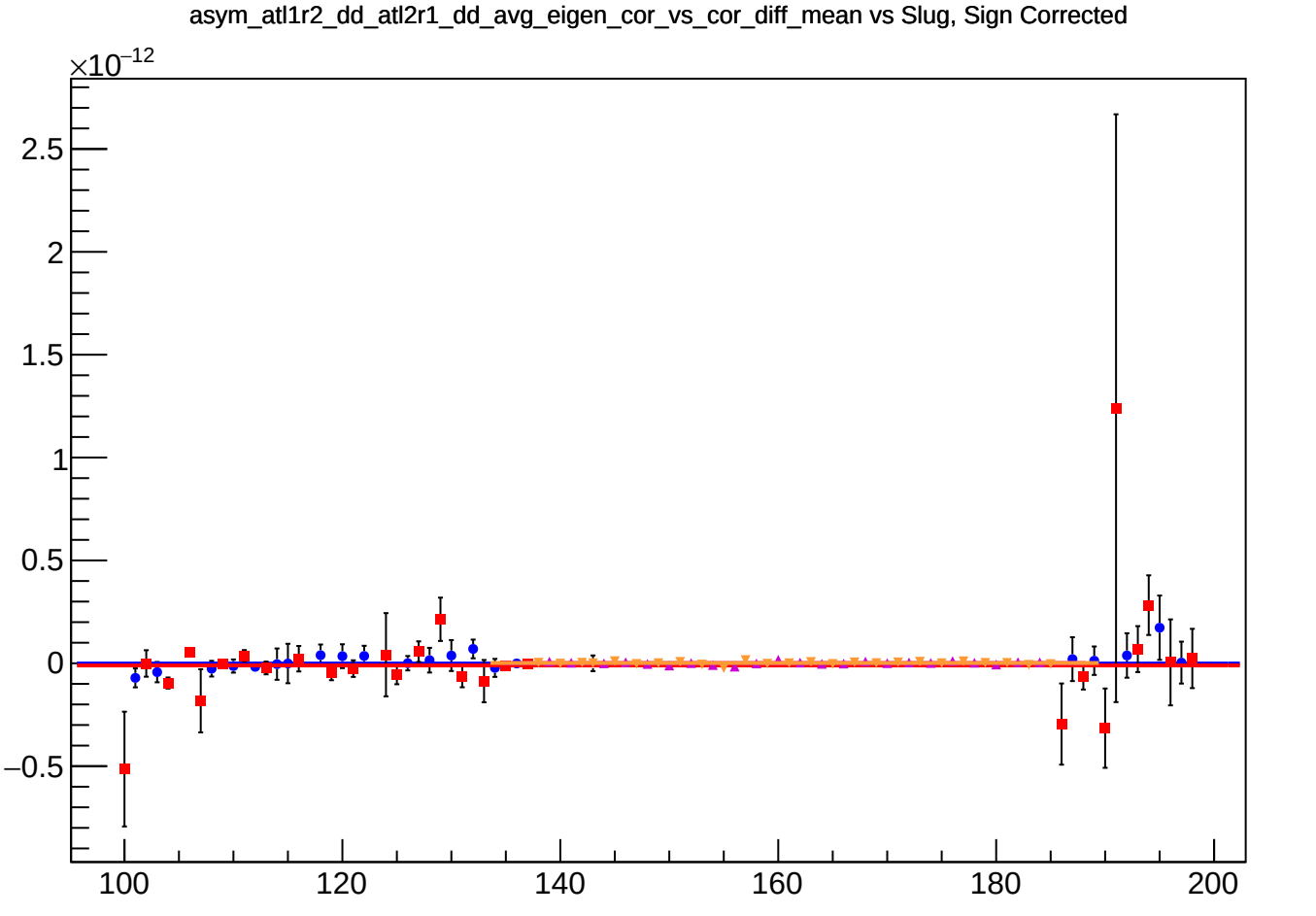
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 39.016+/-0.007 χ^2/NDF: 8167297.1/47

In: 34.818+/-0.006 χ^2/NDF:12707523.7/43

Out: 34.653+/-0.005 χ^2/NDF:15884641.5/51

All: 34.733+/-0.004 χ^2/NDF: 28592610.5/95



Right In: -0.000+/-0.000 χ^2/NDF: 10.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 50.5/26

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

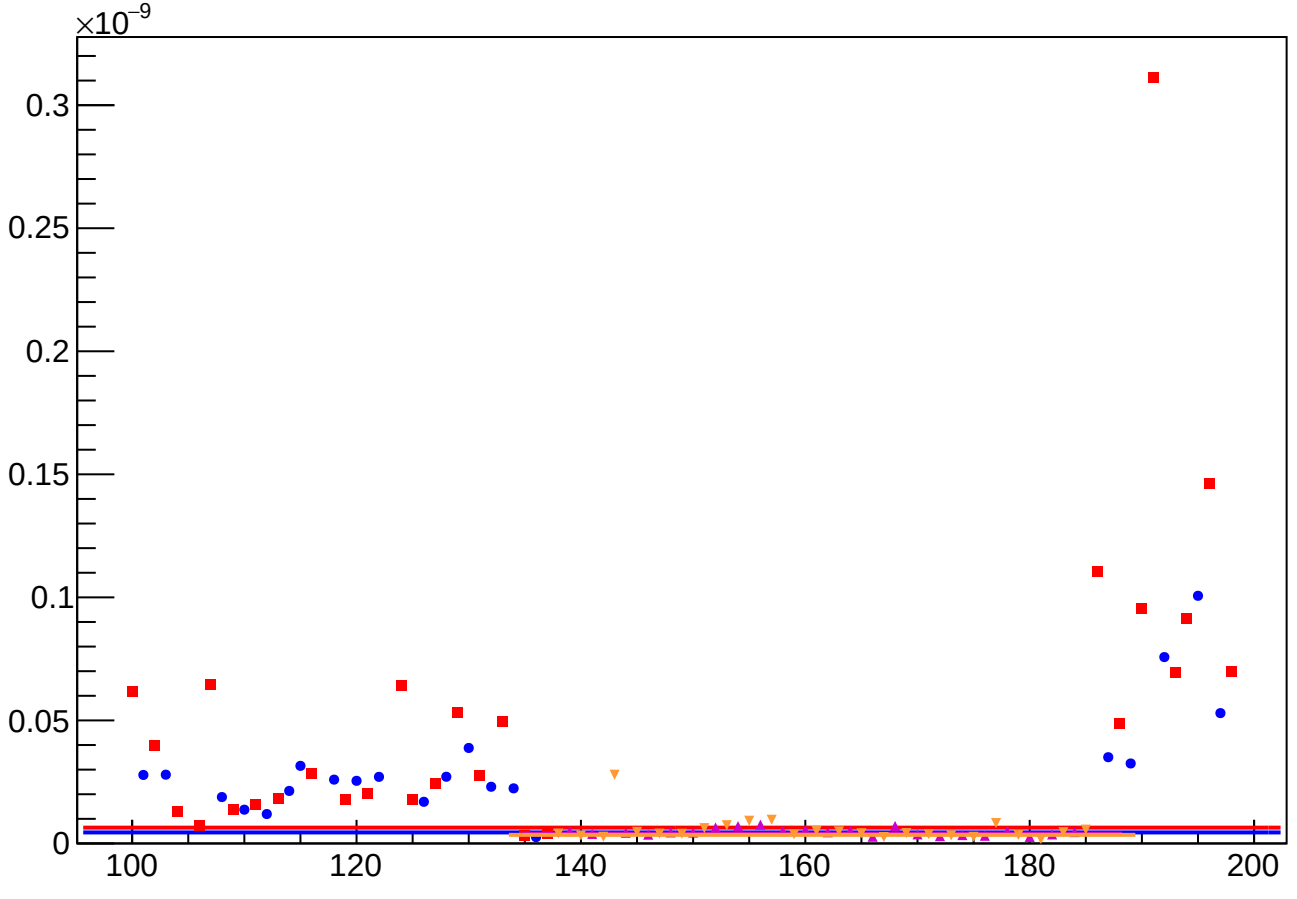
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

Right: -0.000+/-0.000 χ^2/NDF: 63.6/47

In: 0.000+/-0.000 χ^2/NDF:39.2/43

Out: 0.000+/-0.000 χ^2/NDF:76.3/51

All: 0.000+/-0.000 χ^2/NDF: 115.5/95



Right In: 0.000+/-0.000 χ^2/NDF: 7667464.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9431769.5/26

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

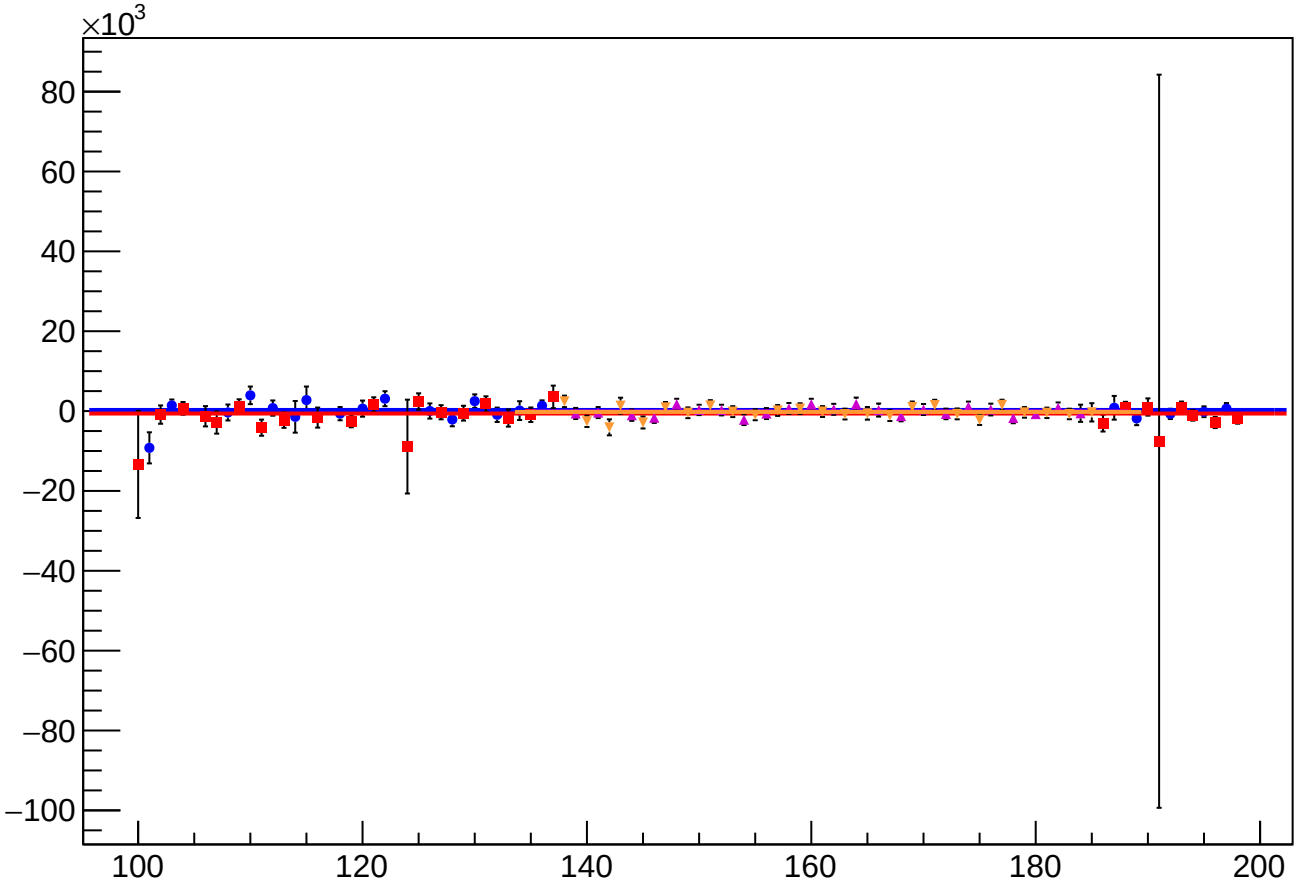
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 17361637.6/47

In: 0.000+/-0.000 χ^2/NDF:9779664.5/43

Out: 0.000+/-0.000 χ^2/NDF:15052207.4/51

All: 0.000+/-0.000 χ^2/NDF: 24943539.5/95



Right In: 278.792+/-394.726 χ^2/NDF: 19.8/20

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -615.579+/-367.279 χ^2/NDF: 24.8/26

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

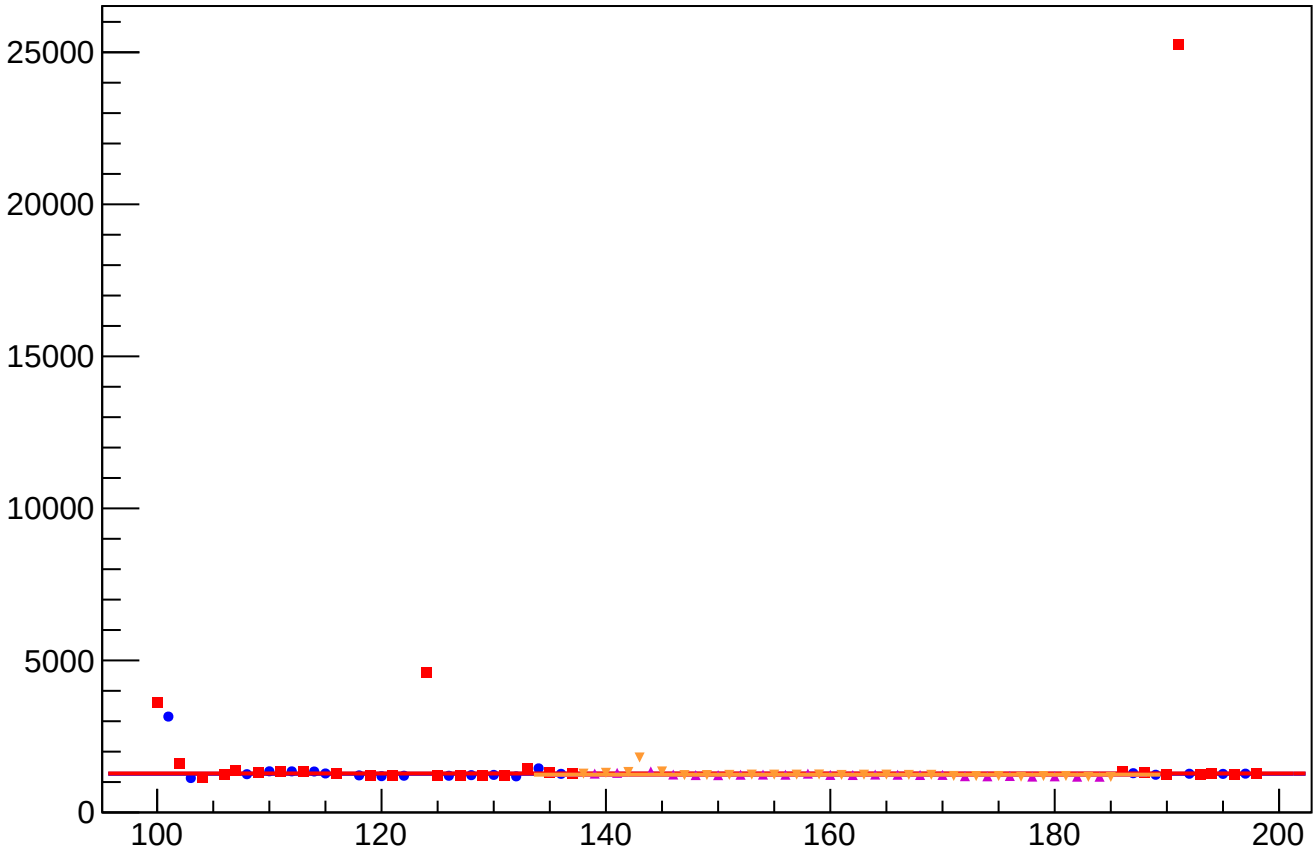
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -200.566+/-268.886 χ^2/NDF: 47.3/47

In: 36.680+/-232.770 χ^2/NDF:35.1/43

Out: -367.856+/-224.199 χ^2/NDF:49.4/51

All: -173.173+/-161.478 χ^2/NDF: 86.0/95



Right In: 1271.232+/-0.279 χ^2/NDF: 520131.2/20

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1282.613+/-0.260 χ^2/NDF: 468595.1/26

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

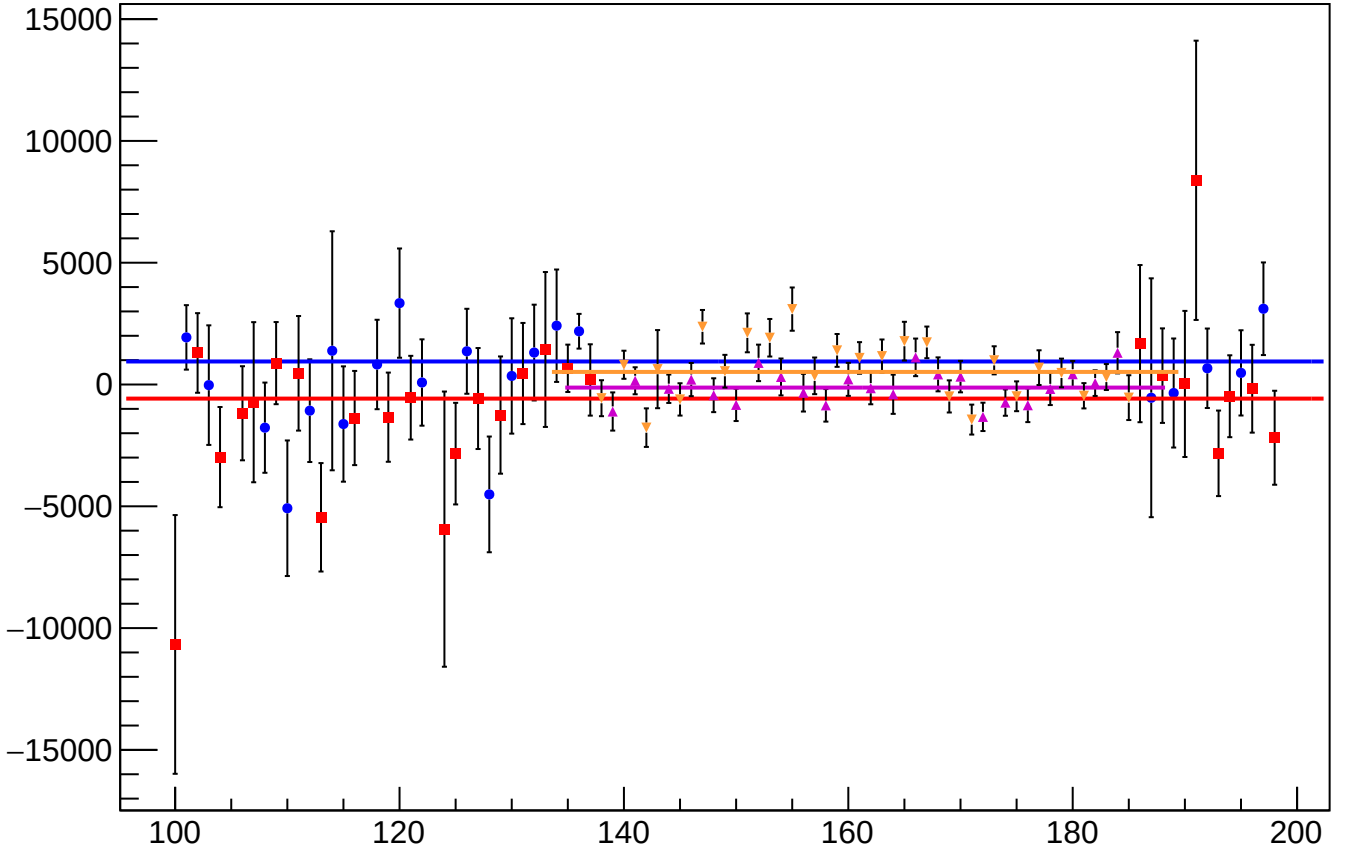
Right: 1277.332+/-0.190 χ^2/NDF: 989617.4/47

In: 1246.786+/-0.165 χ^2/NDF:571174.1/43

Out: 1257.651+/-0.159 χ^2/NDF:686619.9/51

All: 1252.422+/-0.114 χ^2/NDF: 1260054.5/95

asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 945.510+/-385.336 χ^2/NDF: 21.7/20

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -578.347+/-379.995 χ^2/NDF: 22.8/26

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

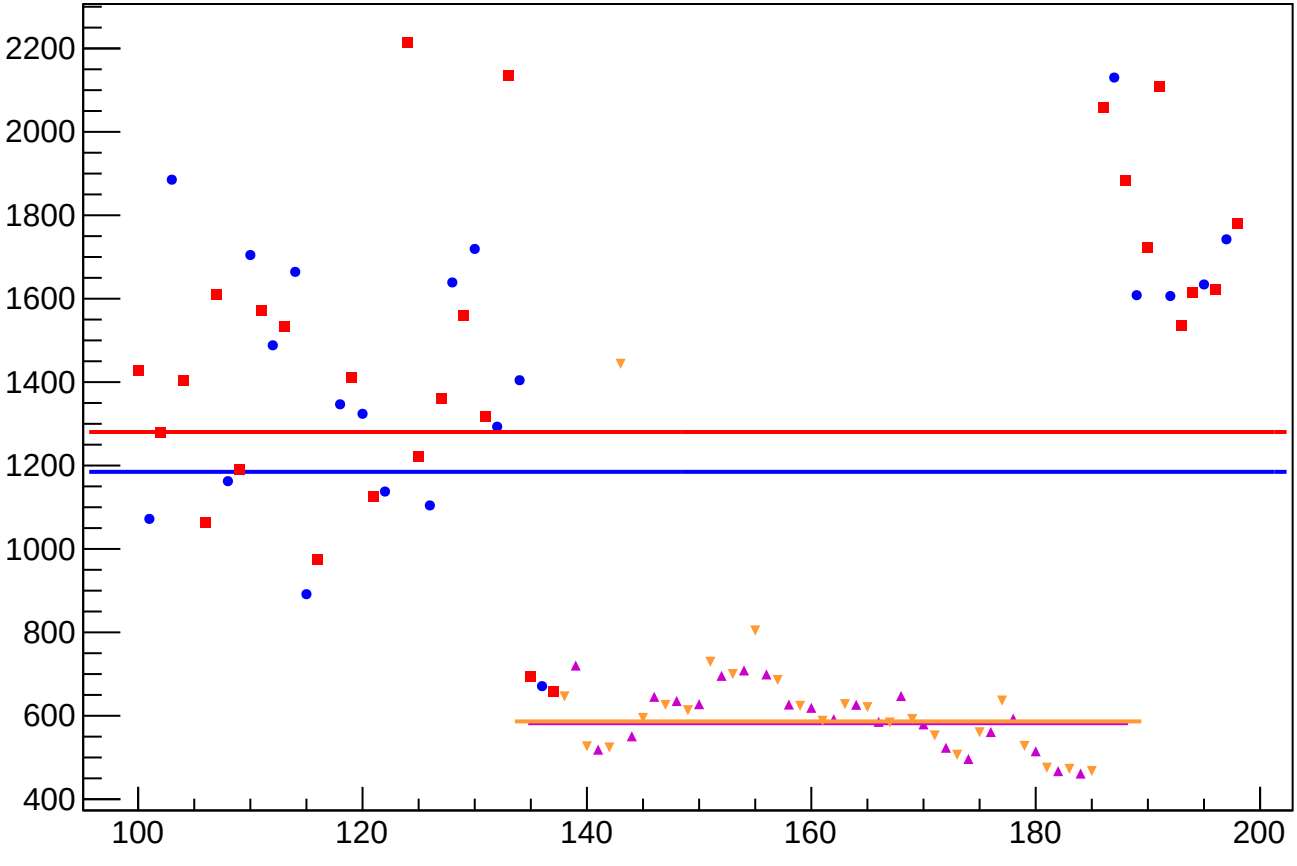
Right: 172.948+/-270.566 χ^2/NDF: 52.4/47

In: -5.846+/-129.307 χ^2/NDF:50.2/43

Out: 392.853+/-127.834 χ^2/NDF:97.2/51

All: 195.787+/-90.909 χ^2/NDF: 152.1/95

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1184.875+/-0.272 χ^2/NDF: 2188879.6/20

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1280.399+/-0.269 χ^2/NDF: 2234342.5/26

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

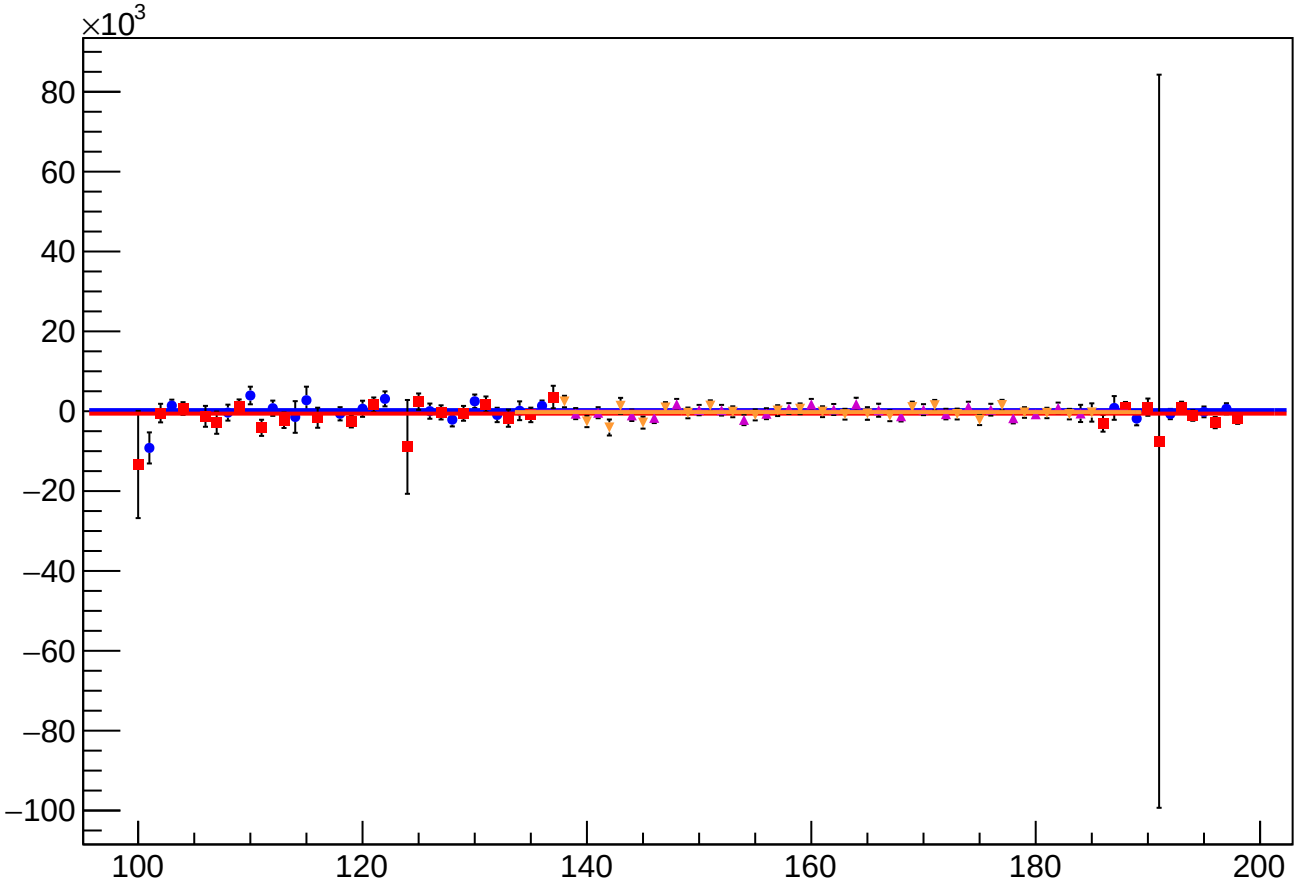
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1233.304+/-0.191 χ^2/NDF: 4485532.9/47

In: 650.057+/-0.091 χ^2/NDF:7089722.5/43

Out: 665.081+/-0.090 χ^2/NDF:9350619.9/51

All: 657.655+/-0.064 χ^2/NDF: 16453996.5/95



Right In: 279.005+/-394.726 χ^2/NDF: 19.8/20

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -603.827+/-367.644 χ^2/NDF: 24.8/26

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

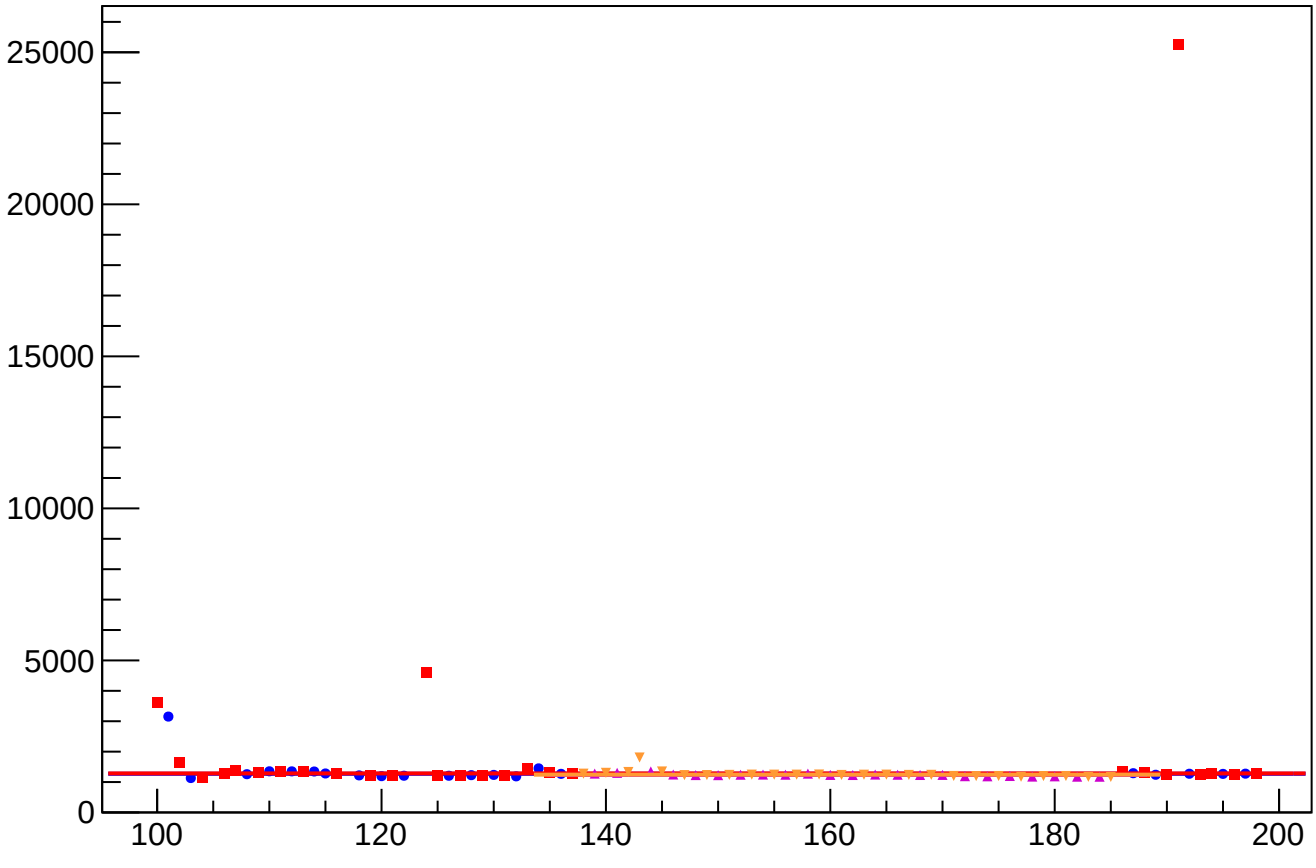
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -193.733+/-269.029 χ^2/NDF: 47.2/47

In: 36.708+/-232.770 χ^2/NDF:35.0/43

Out: -363.320+/-224.282 χ^2/NDF:49.4/51

All: -170.733+/-161.509 χ^2/NDF: 85.9/95



Right In: 1271.232+/-0.279 χ^2/NDF: 520132.6/20

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1283.949+/-0.260 χ^2/NDF: 475260.4/26

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

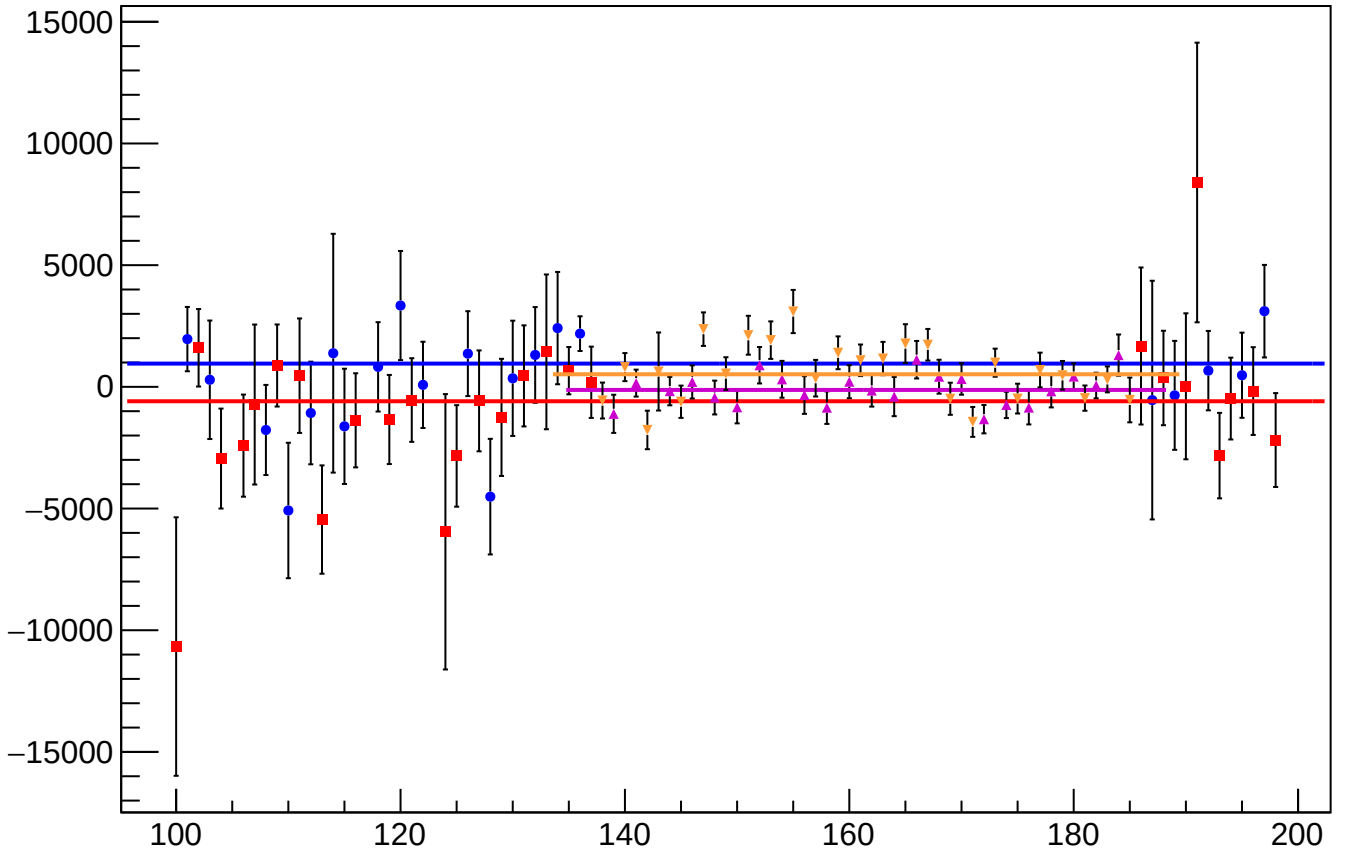
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1278.042+/-0.190 χ^2/NDF: 996504.7/47

In: 1246.786+/-0.165 χ^2/NDF:571175.4/43

Out: 1258.130+/-0.159 χ^2/NDF:694271.1/51

All: 1252.668+/-0.114 χ^2/NDF: 1267909.9/95



Right In: 955.646+/-385.205 χ^2/NDF: 21.7/20

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -591.449+/-380.548 χ^2/NDF: 24.0/26

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

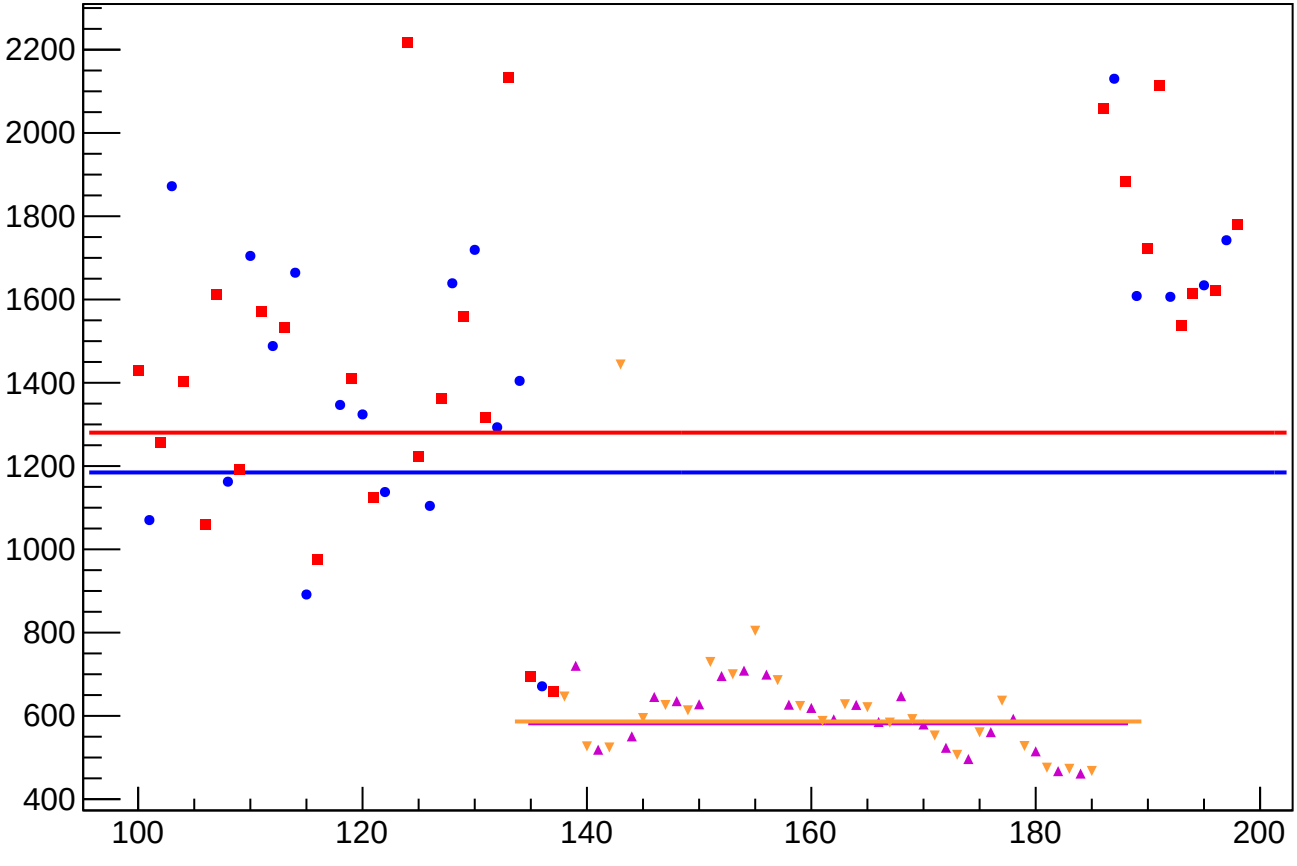
Right: 172.689+/-270.720 χ^2/NDF: 53.8/47

In: -4.614+/-129.302 χ^2/NDF:50.2/43

Out: 391.709+/-127.856 χ^2/NDF:98.5/51

All: 195.775+/-90.915 χ^2/NDF: 153.5/95

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1184.650+/-0.272 χ^2/NDF: 2185903.9/20

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1280.283+/-0.269 χ^2/NDF: 2231928.4/26

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

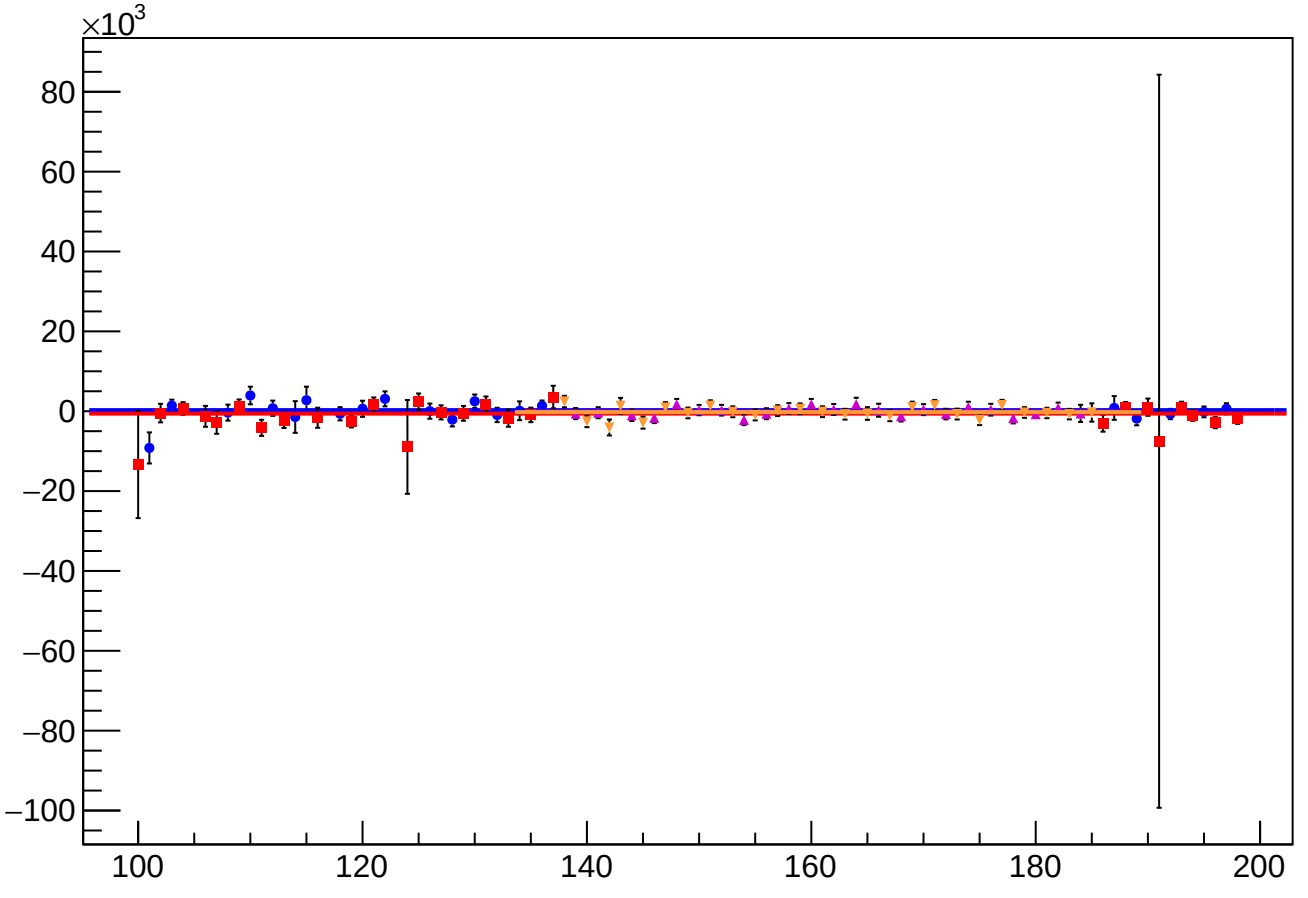
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1233.048+/-0.191 χ^2/NDF: 4480218.2/47

In: 650.070+/-0.091 χ^2/NDF:7086135.1/43

Out: 664.870+/-0.090 χ^2/NDF:9330823.2/51

All: 657.553+/-0.064 χ^2/NDF: 16430207.0/95



Right In: 279.005+/-394.726 χ^2/NDF: 19.8/20

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -603.827+/-367.644 χ^2/NDF: 24.8/26

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

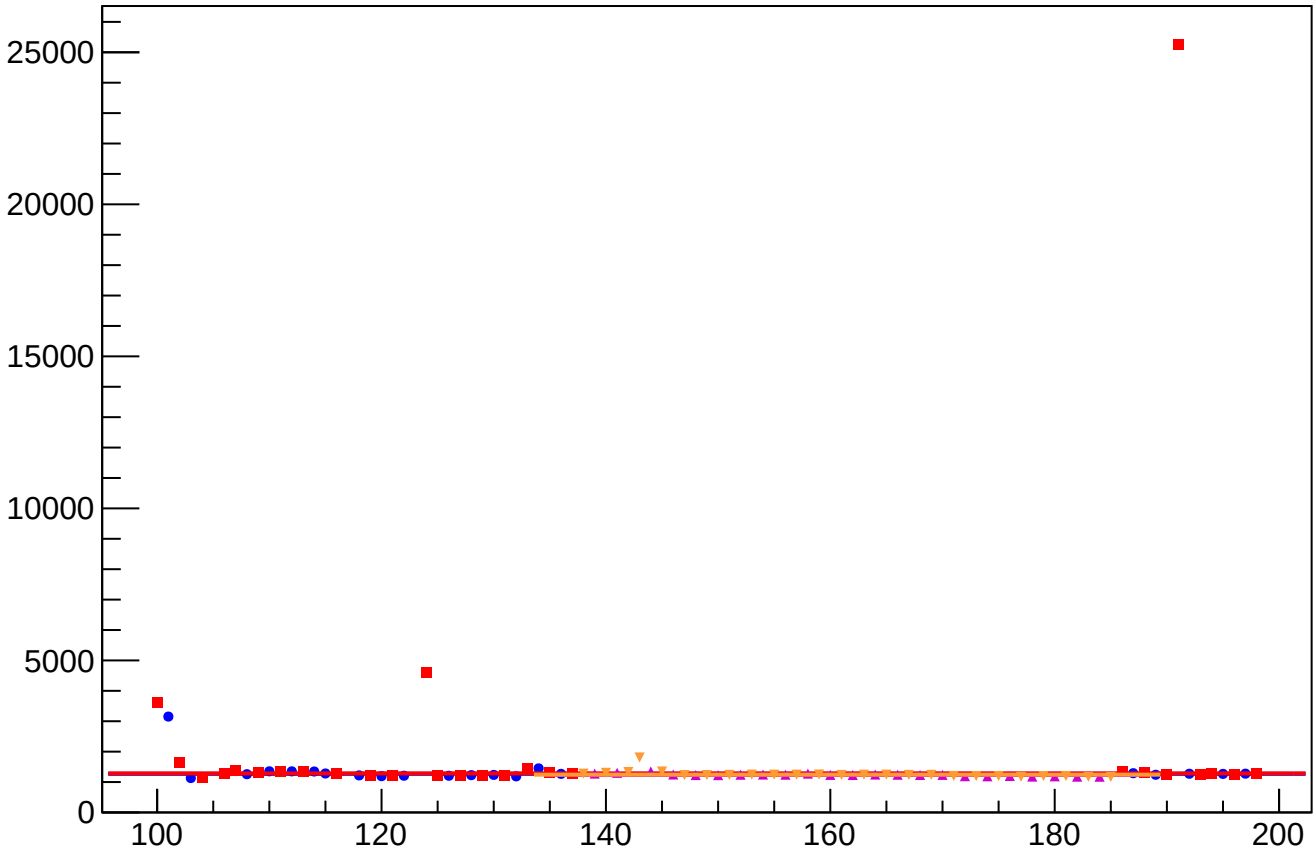
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -193.733+/-269.029 χ^2/NDF: 47.2/47

In: 36.708+/-232.770 χ^2/NDF:35.0/43

Out: -363.320+/-224.282 χ^2/NDF:49.4/51

All: -170.733+/-161.509 χ^2/NDF: 85.9/95



Right In: 1271.232+/-0.279 χ^2/NDF: 520132.6/20

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1283.949+/-0.260 χ^2/NDF: 475260.4/26

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

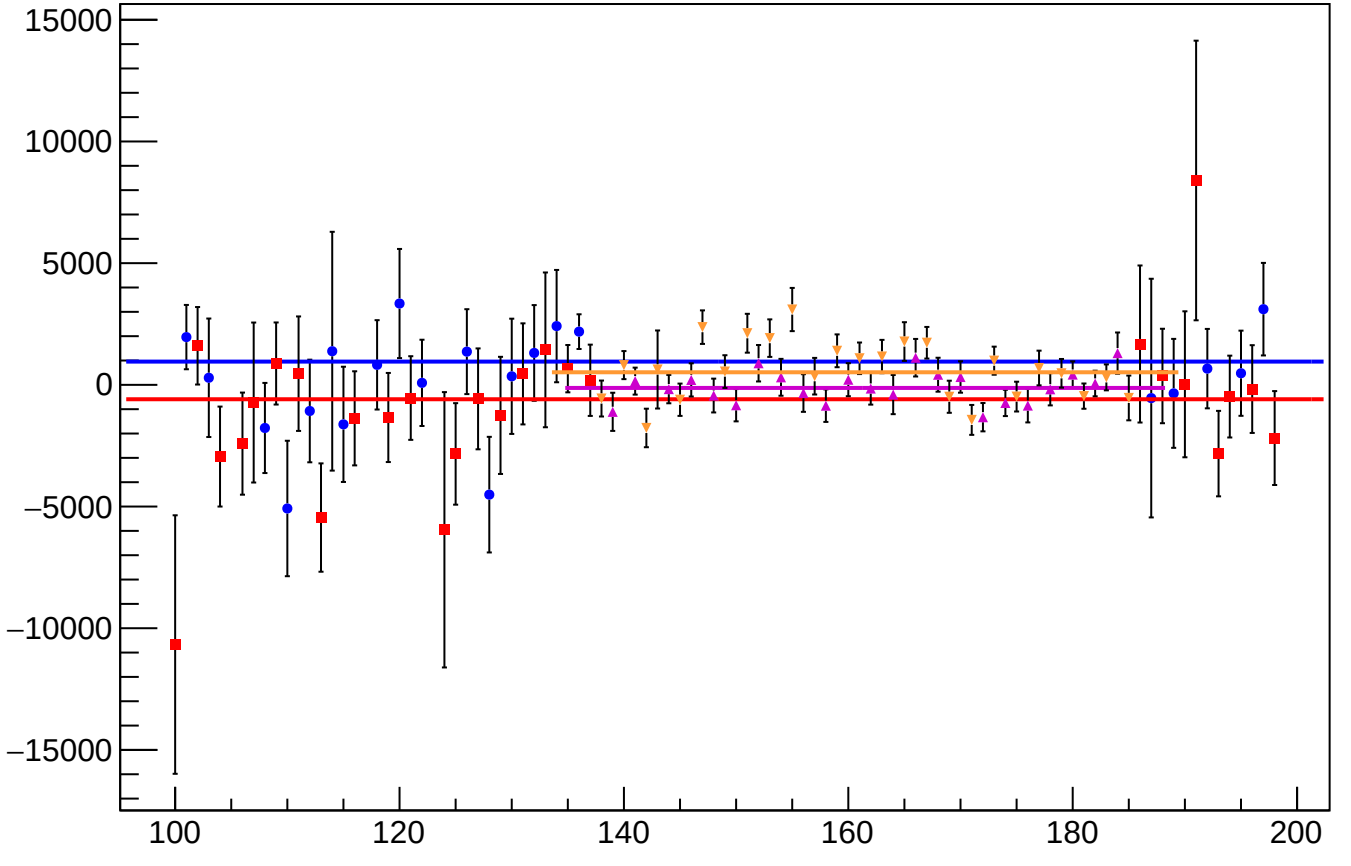
Right: 1278.042+/-0.190 χ^2/NDF: 996504.7/47

In: 1246.786+/-0.165 χ^2/NDF:571175.4/43

Out: 1258.130+/-0.159 χ^2/NDF:694271.1/51

All: 1252.668+/-0.114 χ^2/NDF: 1267909.9/95

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 955.646+/-385.205 χ^2/NDF: 21.7/20

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -591.449+/-380.548 χ^2/NDF: 24.0/26

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

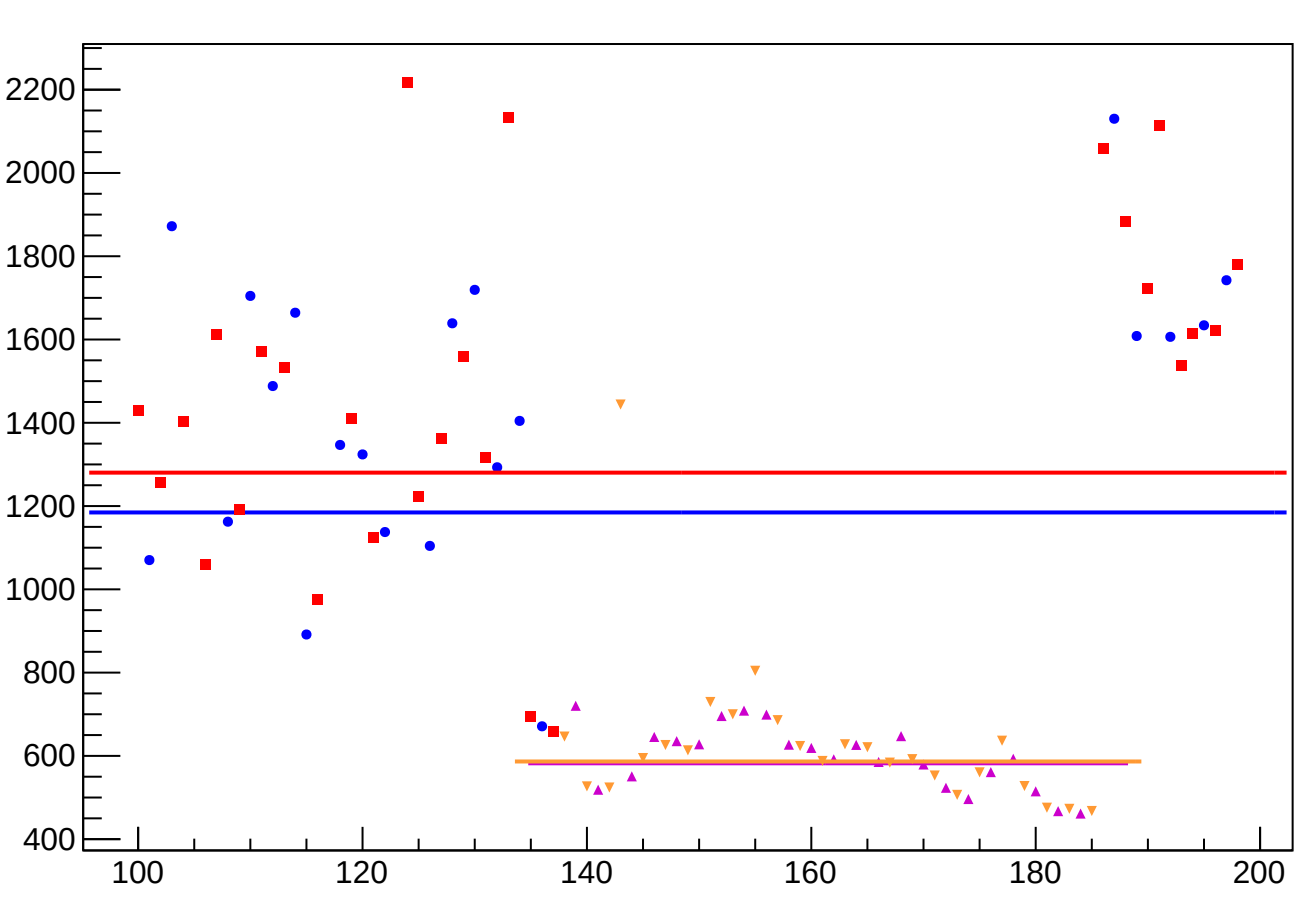
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 172.689+/-270.720 χ^2/NDF: 53.8/47

In: -4.614+/-129.302 χ^2/NDF:50.2/43

Out: 391.709+/-127.856 χ^2/NDF:98.5/51

All: 195.775+/-90.915 χ^2/NDF: 153.5/95



Right In: 1184.650+/-0.272 χ^2/NDF: 2185903.9/20

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1280.283+/-0.269 χ^2/NDF: 2231928.4/26

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

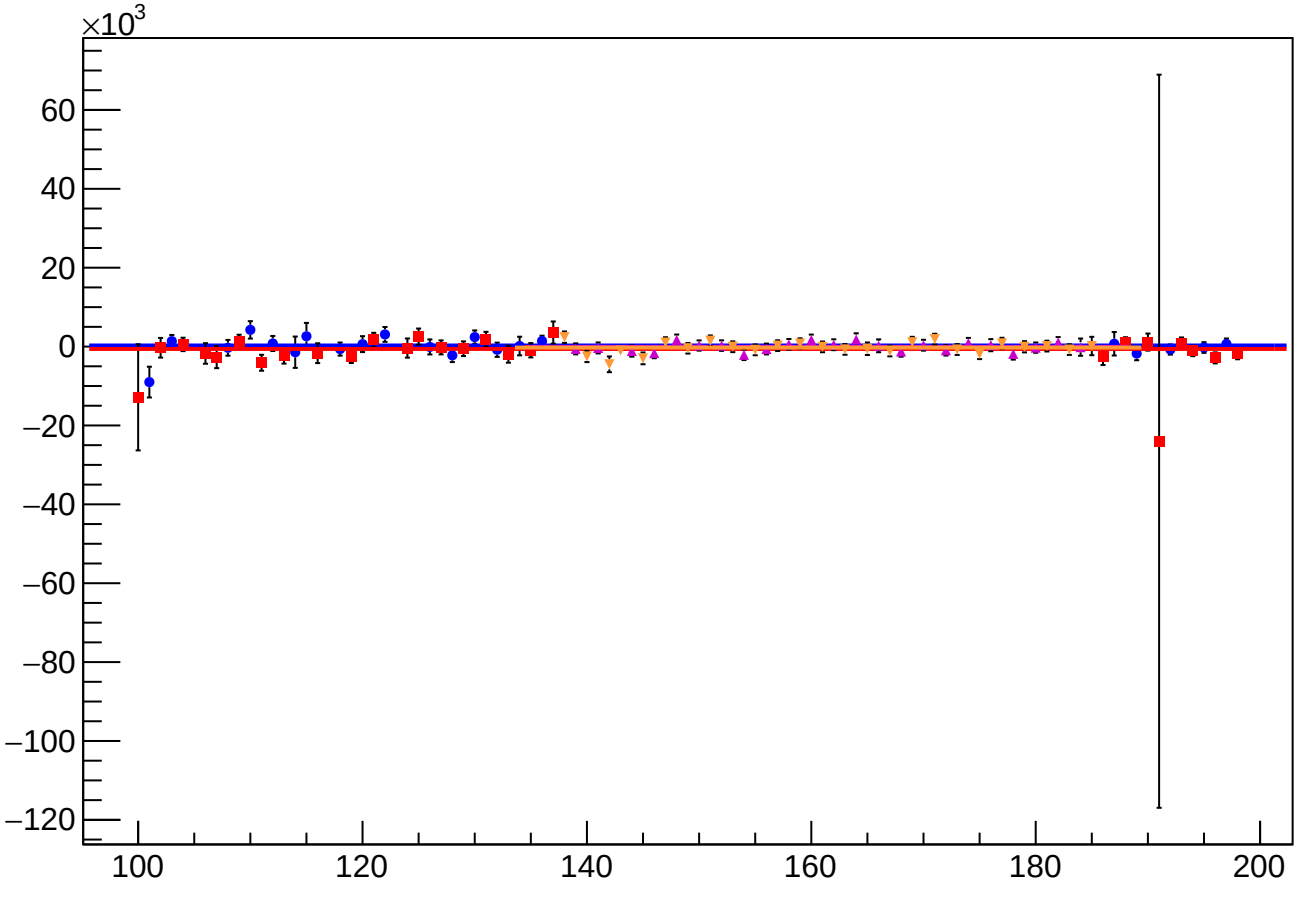
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1233.048+/-0.191 χ^2/NDF: 4480218.2/47

In: 650.070+/-0.091 χ^2/NDF:7086135.1/43

Out: 664.870+/-0.090 χ^2/NDF:9330823.2/51

All: 657.553+/-0.064 χ^2/NDF: 16430207.0/95



Right In: 272.531+/-396.650 χ^2/NDF: 19.8/20

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -598.470+/-366.000 χ^2/NDF: 24.4/26

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

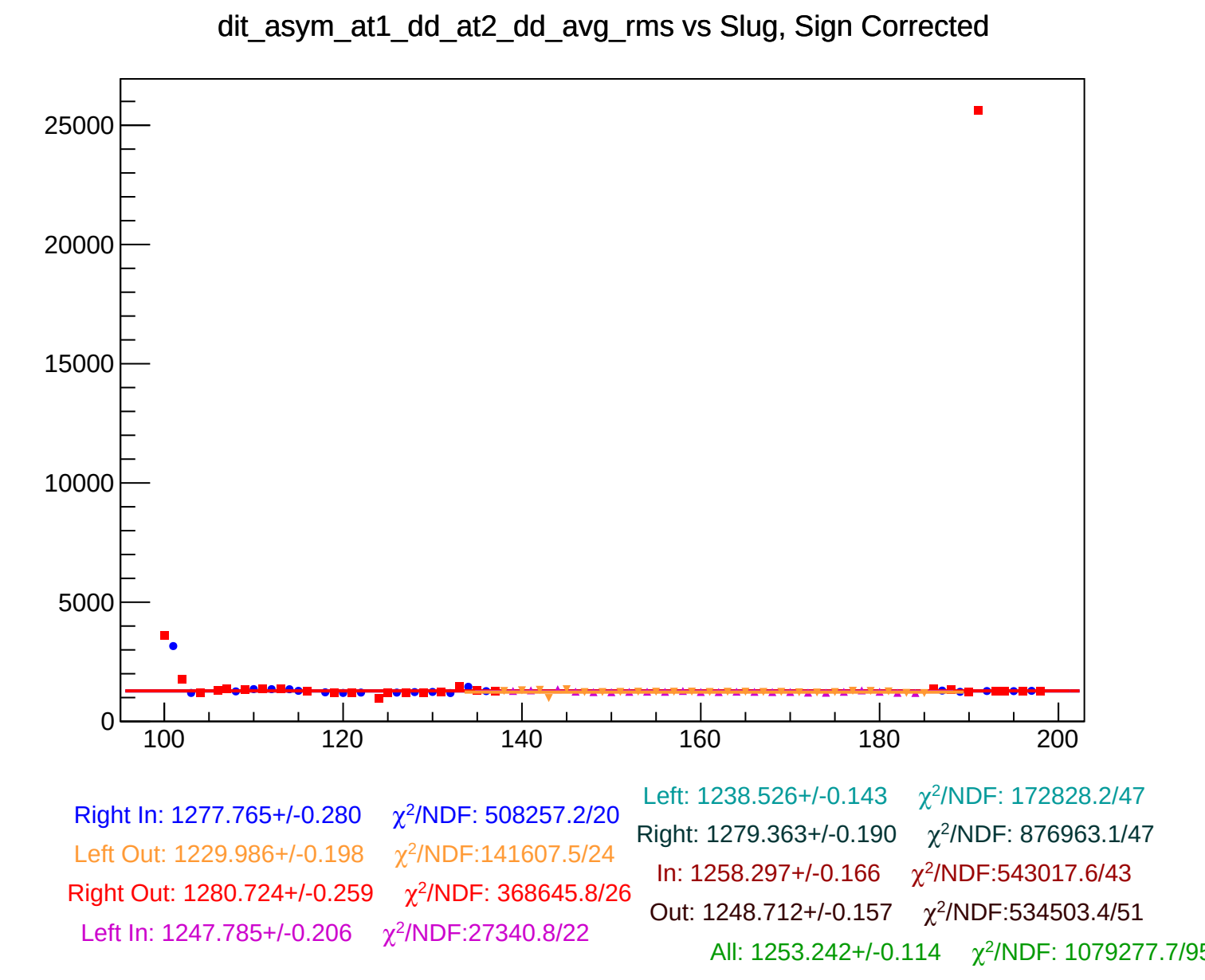
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -197.918+/-268.985 χ^2/NDF: 46.8/47

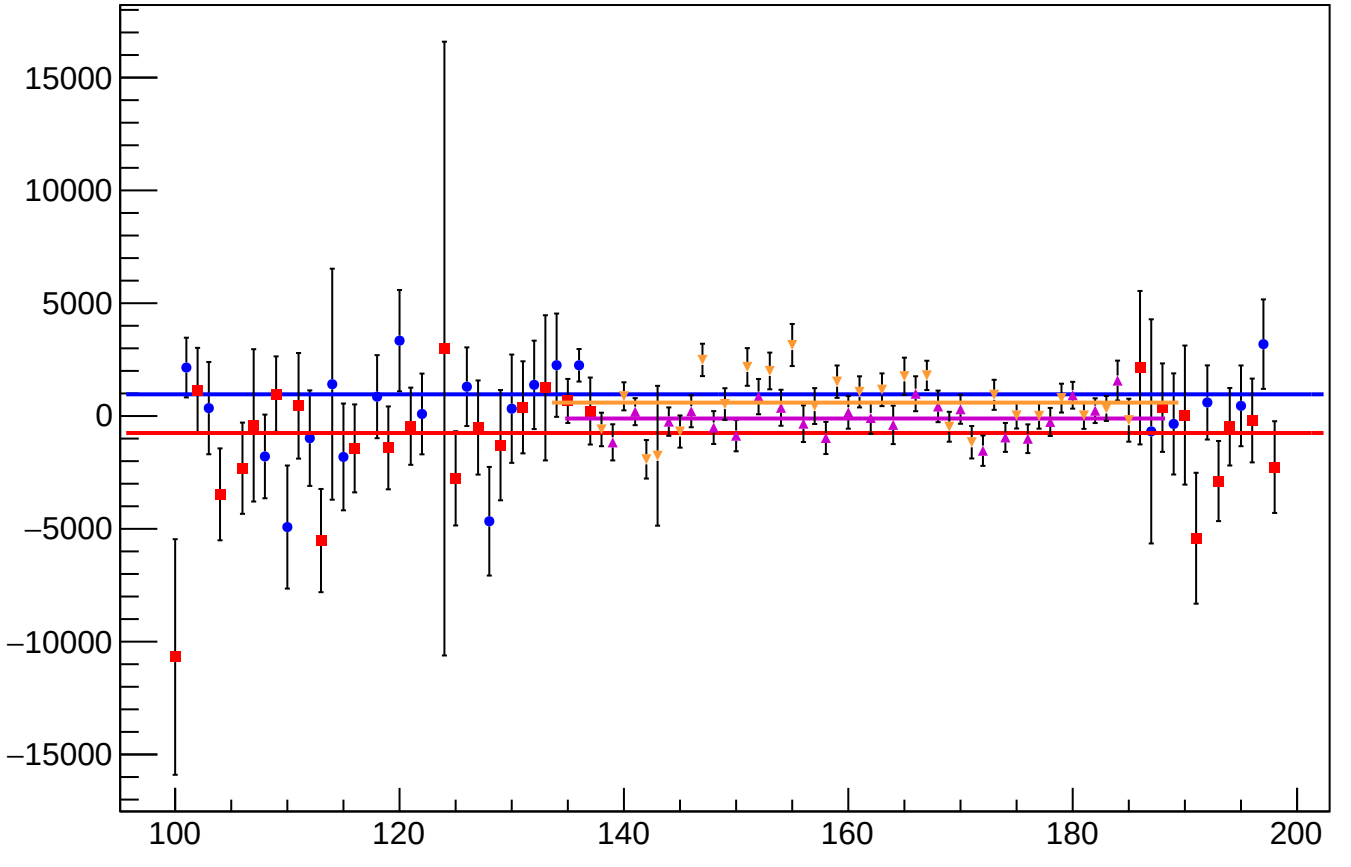
In: 46.928+/-234.869 χ^2/NDF:34.3/43

Out: -379.143+/-222.347 χ^2/NDF:49.0/51

All: -177.768+/-161.468 χ^2/NDF: 85.0/95


dit_asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
100
120
140
160
180
200
Right In: 1277.765+/-0.280 χ²/NDF: 508257.2/20
Left Out: 1229.986+/-0.198 χ²/NDF:141607.5/24
Right Out: 1280.724+/-0.259 χ²/NDF: 368645.8/26
Left In: 1247.785+/-0.206 χ²/NDF:27340.8/22
Left: 1238.526+/-0.143 χ²/NDF: 172828.2/47
Right: 1279.363+/-0.190 χ²/NDF: 876963.1/47
In: 1258.297+/-0.166 χ²/NDF:543017.6/43
Out: 1248.712+/-0.157 χ²/NDF:534503.4/51
All: 1253.242+/-0.114 χ²/NDF: 1079277.7/95

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 962.303+/-386.132 χ^2/NDF: 22.3/20

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -751.626+/-384.991 χ^2/NDF: 23.0/26

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

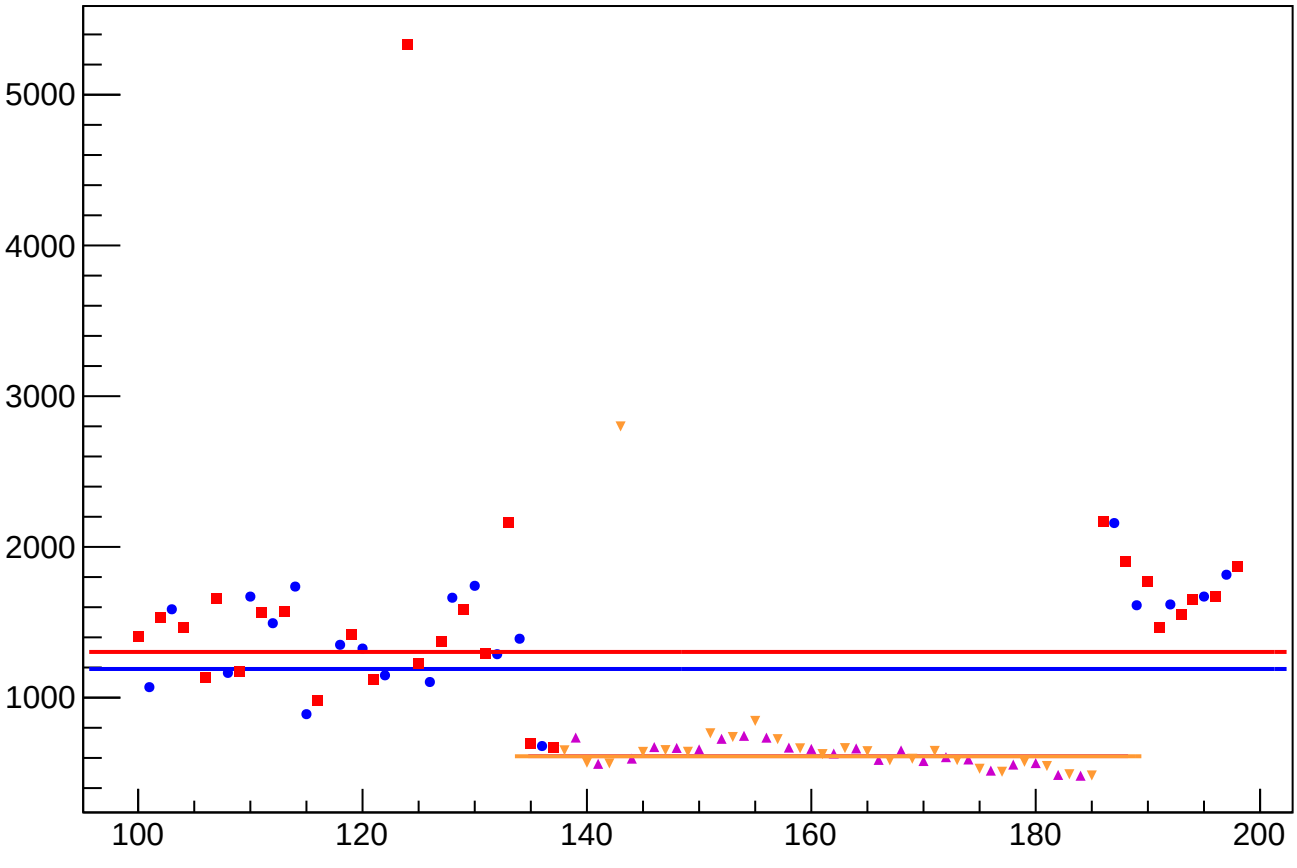
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

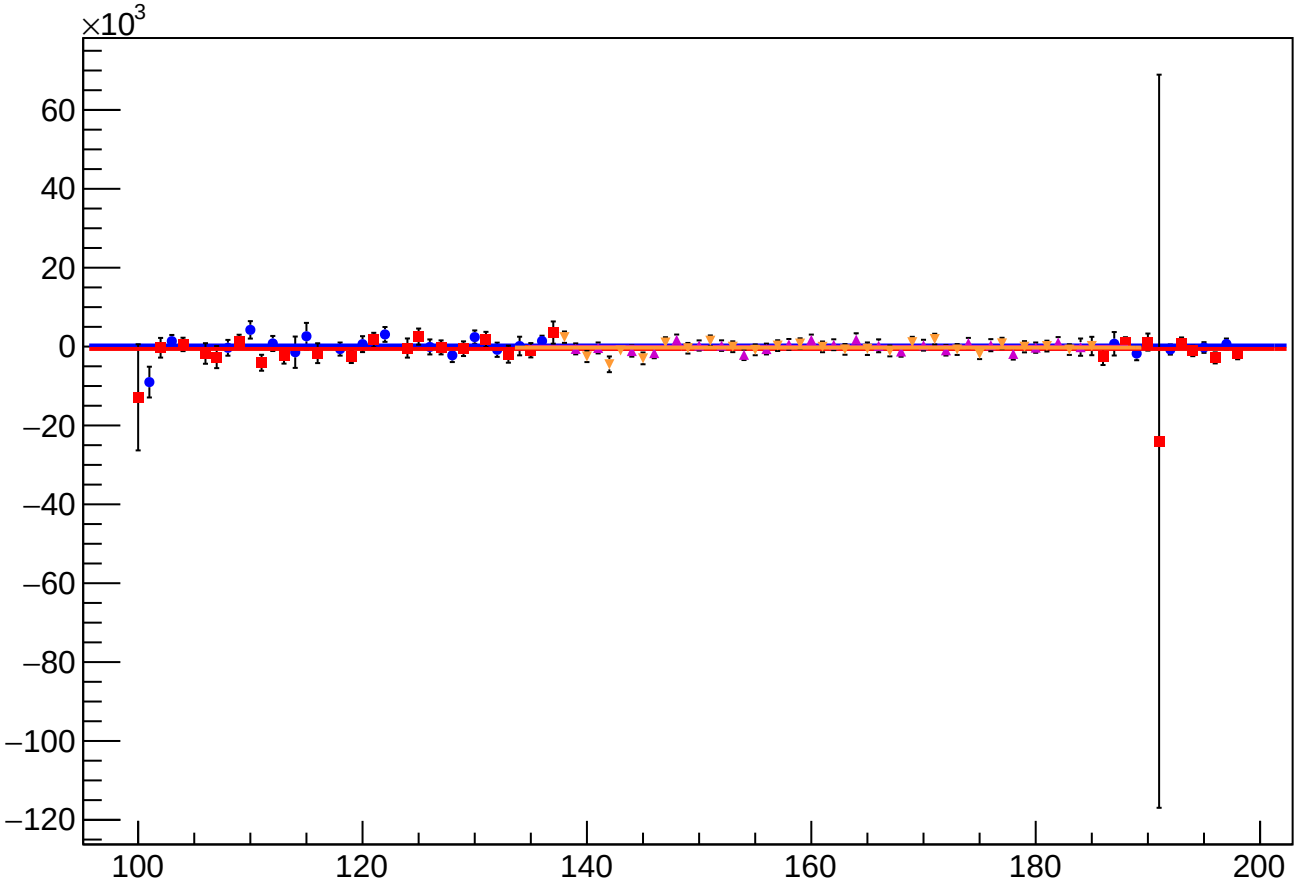
Right: 102.802+/-272.632 χ^2/NDF: 55.2/47

In: 21.074+/-135.114 χ^2/NDF:54.8/43

Out: 433.478+/-133.334 χ^2/NDF:91.1/51

All: 230.010+/-94.905 χ^2/NDF: 150.6/95


asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 1190.182+/-0.273 χ²/NDF: 2112321.0/20
Left Out: 611.087+/-0.101 χ²/NDF:1619322.3/24
Right Out: 1303.250+/-0.272 χ²/NDF: 2433704.8/26
Left In: 612.399+/-0.102 χ²/NDF:508595.4/22
Left: 611.733+/-0.072 χ²/NDF: 2128001.7/47
Right: 1246.883+/-0.193 χ²/NDF: 4632023.3/47
In: 683.144+/-0.096 χ²/NDF:6550667.1/43
Out: 694.108+/-0.094 χ²/NDF:9742286.5/51
All: 688.699+/-0.067 χ²/NDF: 16299626.3/95



Right In: 272.532+/-396.650 χ^2/NDF: 19.8/20

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -598.470+/-366.000 χ^2/NDF: 24.4/26

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

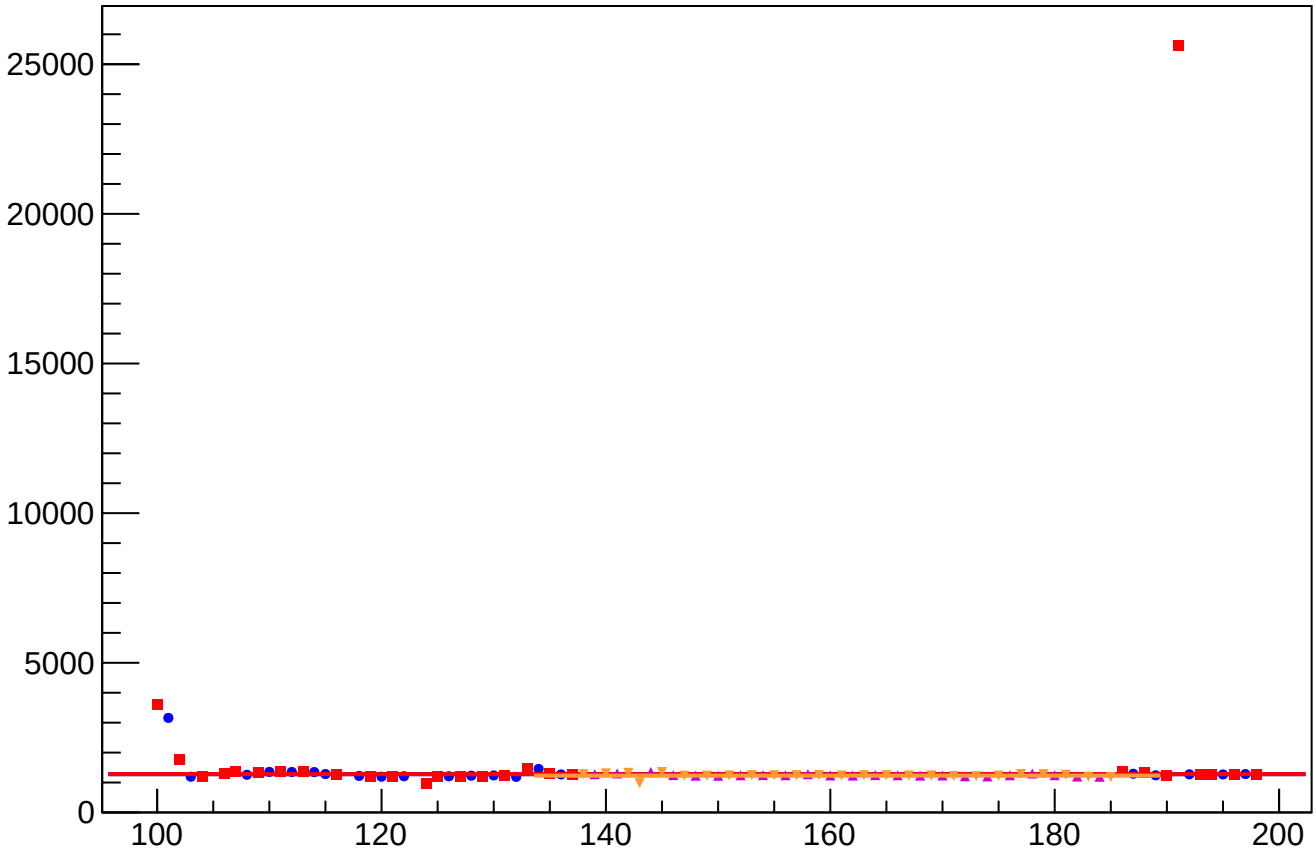
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -197.918+/-268.985 χ^2/NDF: 46.8/47

In: 46.929+/-234.869 χ^2/NDF:34.3/43

Out: -379.144+/-222.347 χ^2/NDF:49.0/51

All: -177.768+/-161.468 χ^2/NDF: 85.0/95



Right In: 1277.765+/-0.280 χ^2/NDF: 508257.4/20

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1280.723+/-0.259 χ^2/NDF: 368645.7/26

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

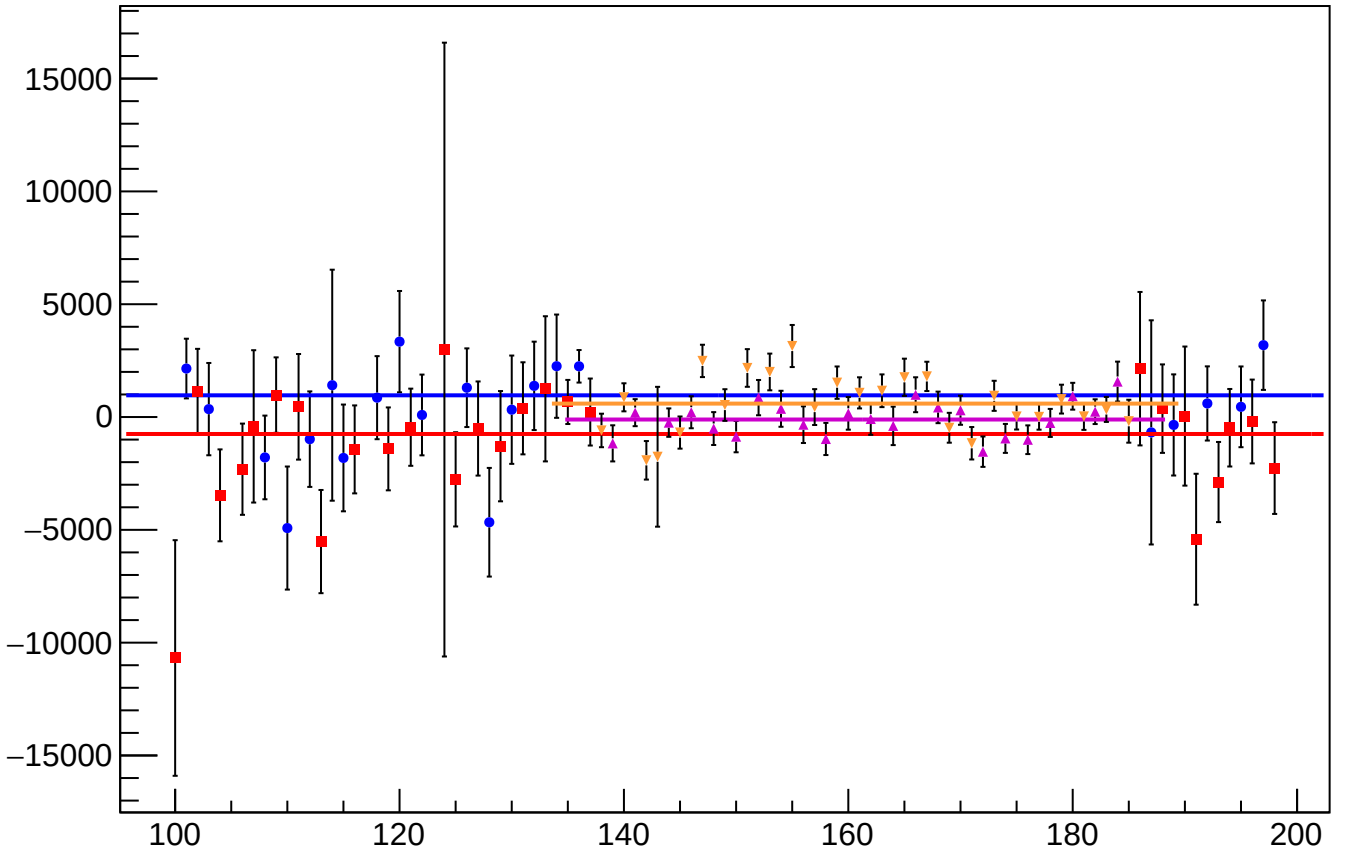
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

Right: 1279.363+/-0.190 χ^2/NDF: 876963.2/47

In: 1258.297+/-0.166 χ^2/NDF:543017.7/43

Out: 1248.711+/-0.157 χ^2/NDF:534502.3/51

All: 1253.242+/-0.114 χ^2/NDF: 1079276.7/95



Right In: 962.299+/-386.133 χ^2/NDF: 22.3/20

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -751.637+/-384.992 χ^2/NDF: 23.0/26

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

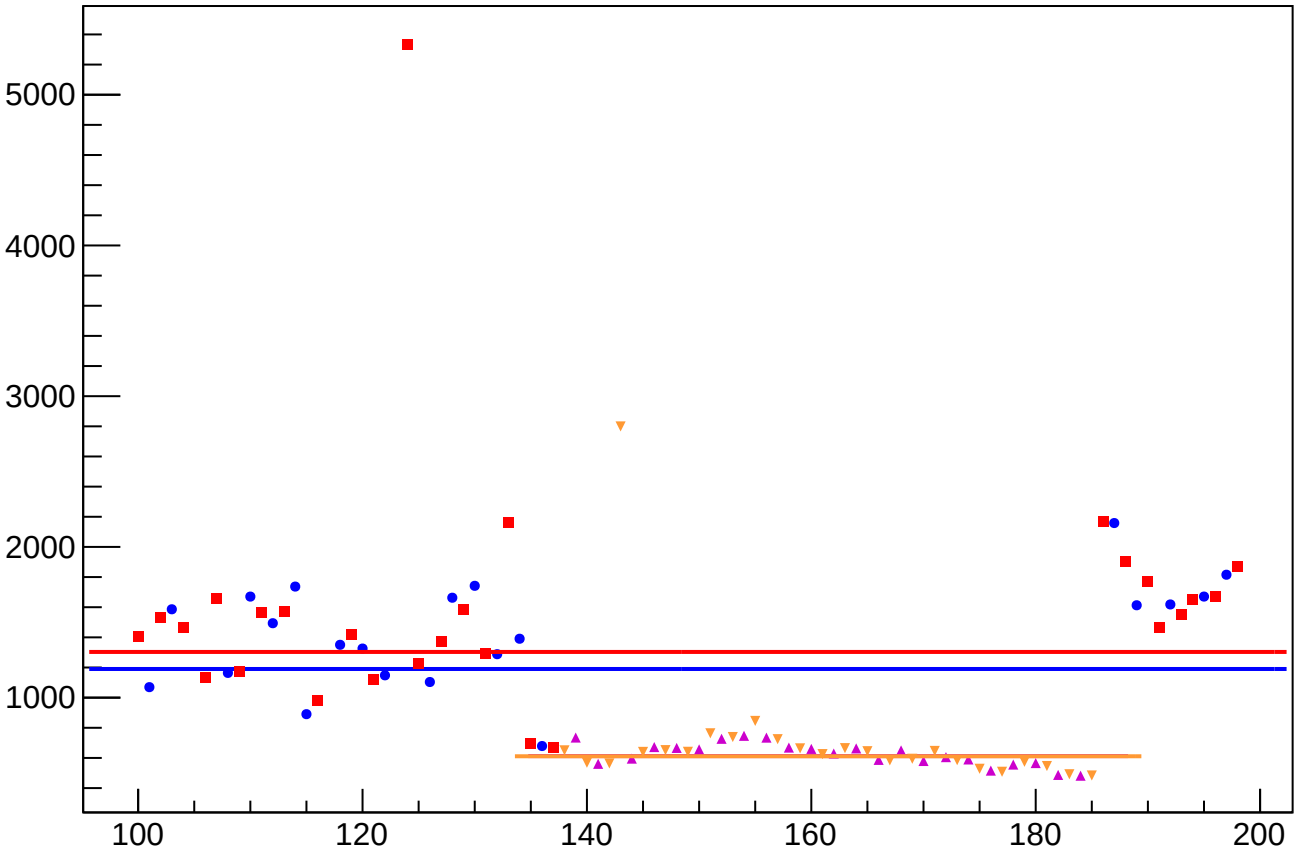
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

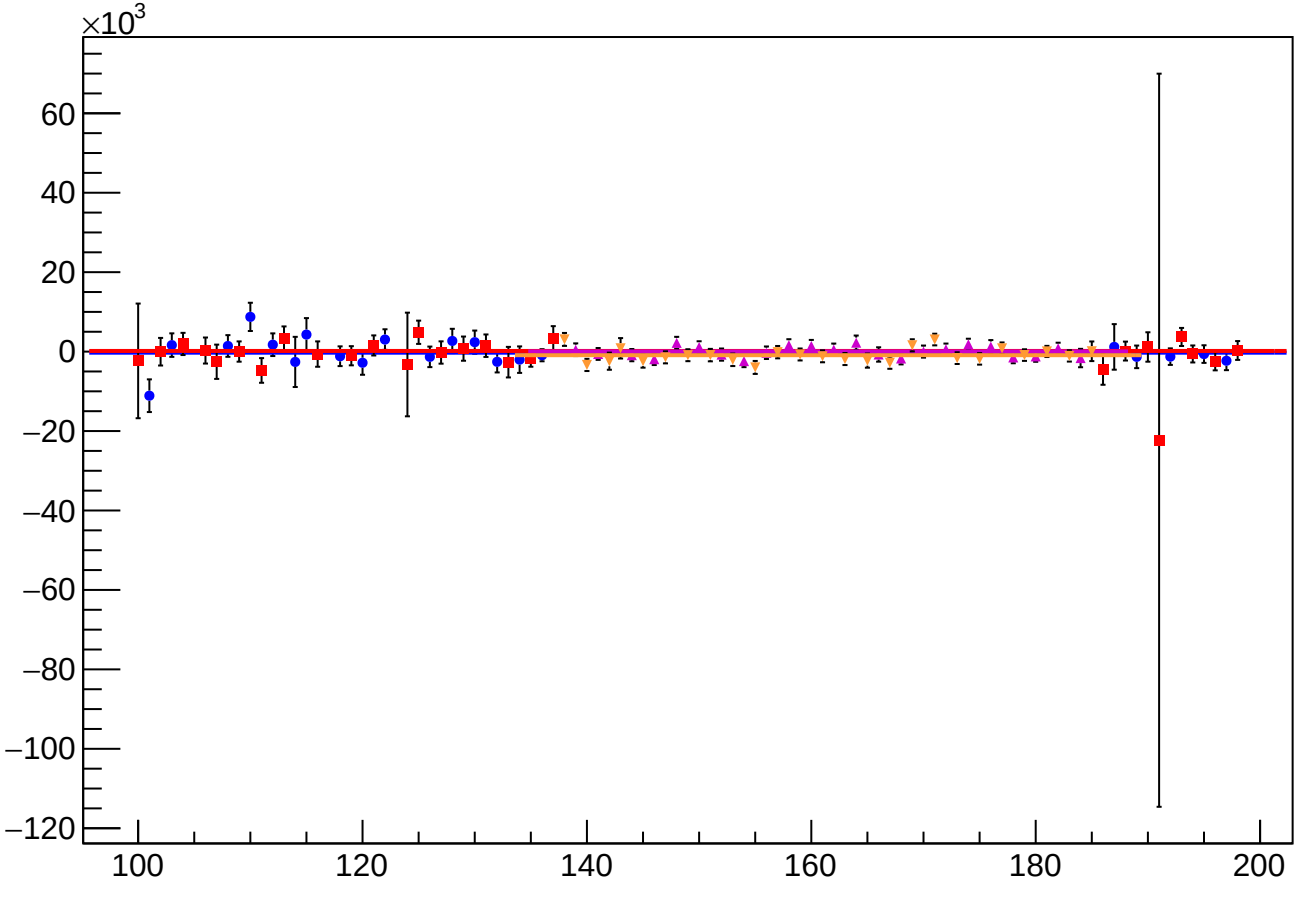
Right: 102.795+/-272.633 χ^2/NDF: 55.2/47

In: 21.073+/-135.114 χ^2/NDF:54.8/43

Out: 433.478+/-133.334 χ^2/NDF:91.1/51

All: 230.009+/-94.905 χ^2/NDF: 150.6/95


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: 1190.188+/-0.273 χ²/NDF: 2112242.6/20
Left Out: 611.086+/-0.101 χ²/NDF:1619319.5/24
Right Out: 1303.256+/-0.272 χ²/NDF: 2433626.0/26
Left In: 612.398+/-0.102 χ²/NDF:508597.7/22
Left: 611.733+/-0.072 χ²/NDF: 2128001.1/47
Right: 1246.889+/-0.193 χ²/NDF: 4631865.9/47
In: 683.143+/-0.096 χ²/NDF:6550660.2/43
Out: 694.108+/-0.094 χ²/NDF:9742279.2/51
All: 688.699+/-0.067 χ²/NDF: 16299612.6/95



Right In: -267.405+/-596.131 χ^2/NDF: 22.8/20

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 164.802+/-564.435 χ^2/NDF: 15.7/26

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

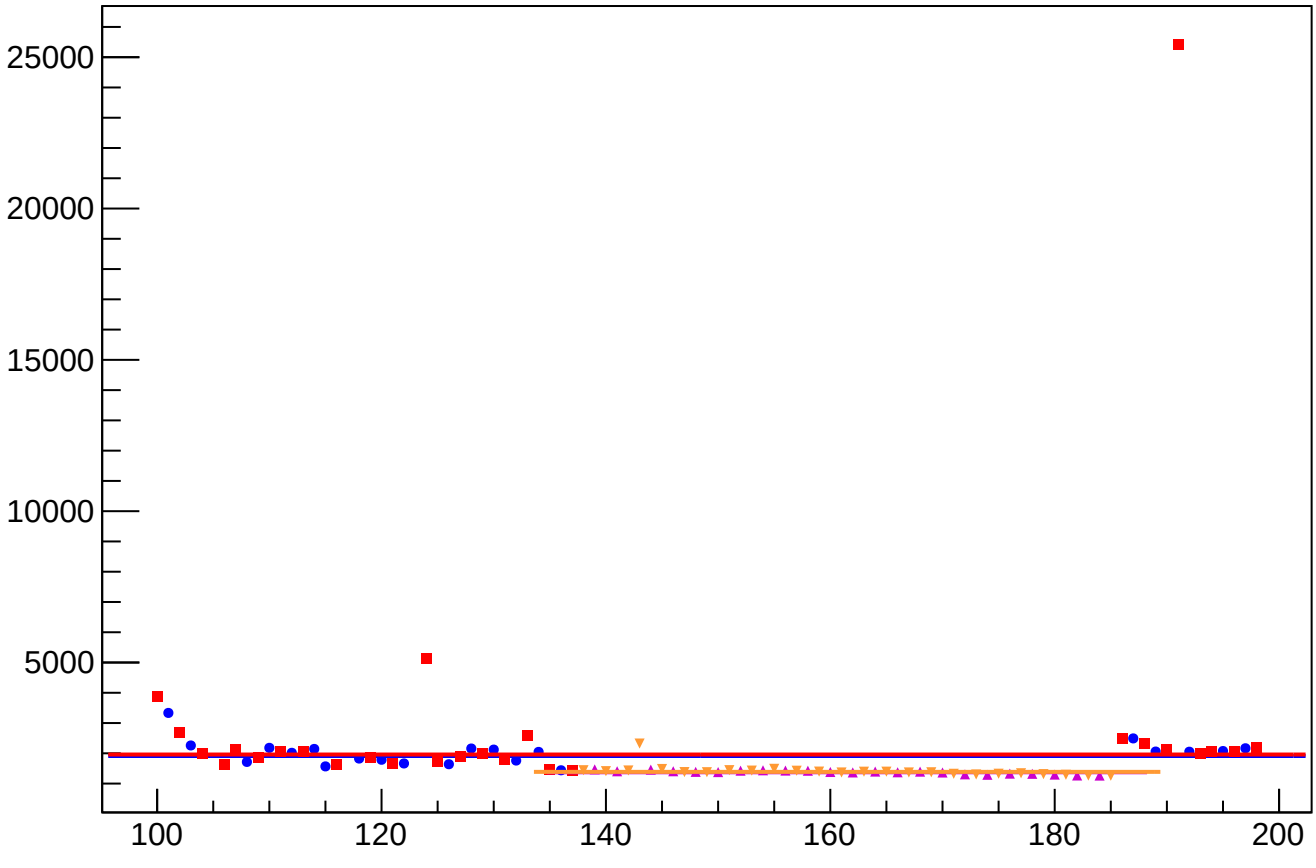
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -39.507+/-409.863 χ^2/NDF: 38.8/47

In: -22.734+/-282.581 χ^2/NDF:40.9/43

Out: -645.269+/-276.027 χ^2/NDF:48.3/51

All: -341.304+/-197.457 χ^2/NDF: 91.6/95



Right In: 1911.160+/-0.422 χ^2/NDF: 647330.7/20

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1959.803+/-0.399 χ^2/NDF: 809243.5/26

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

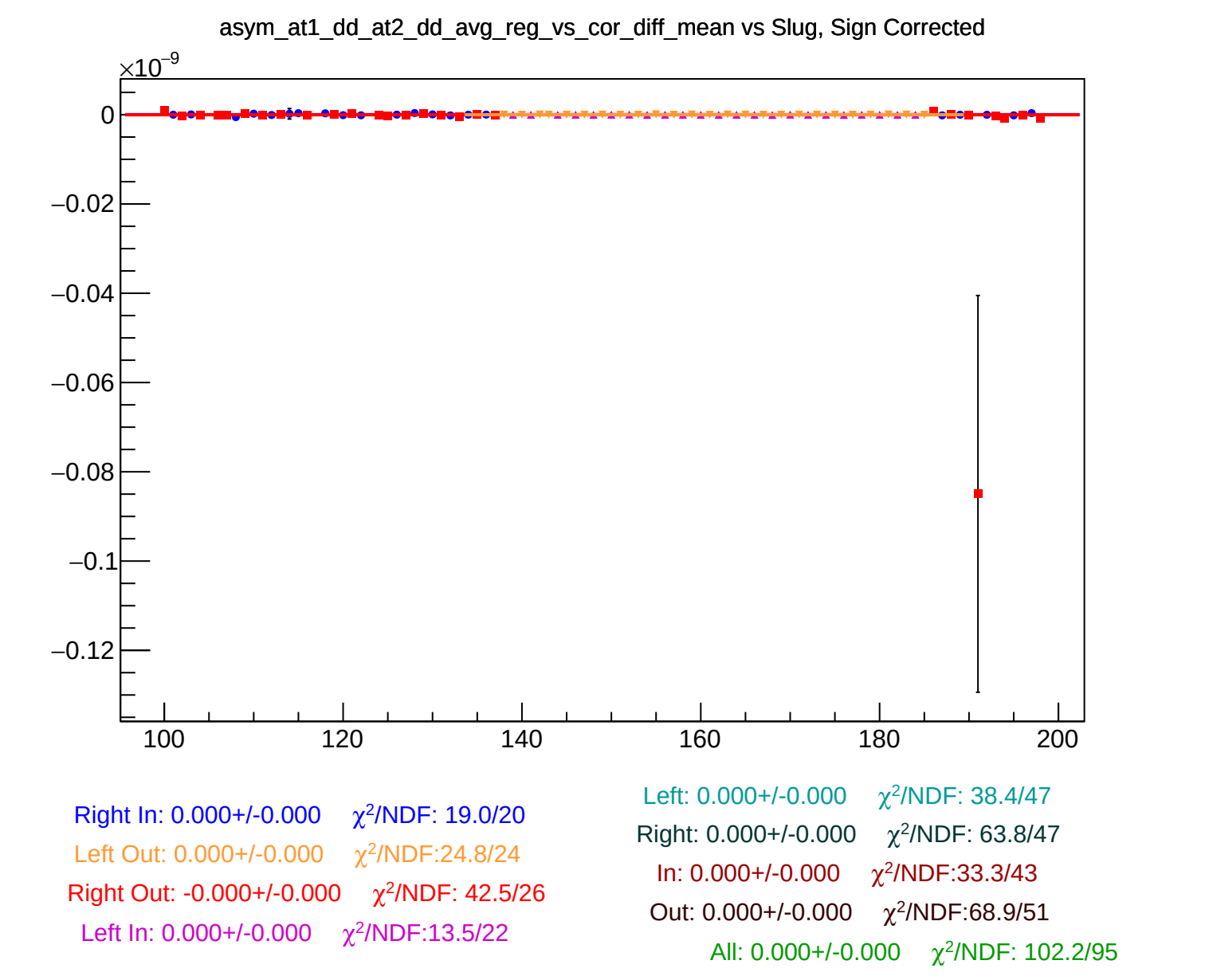
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

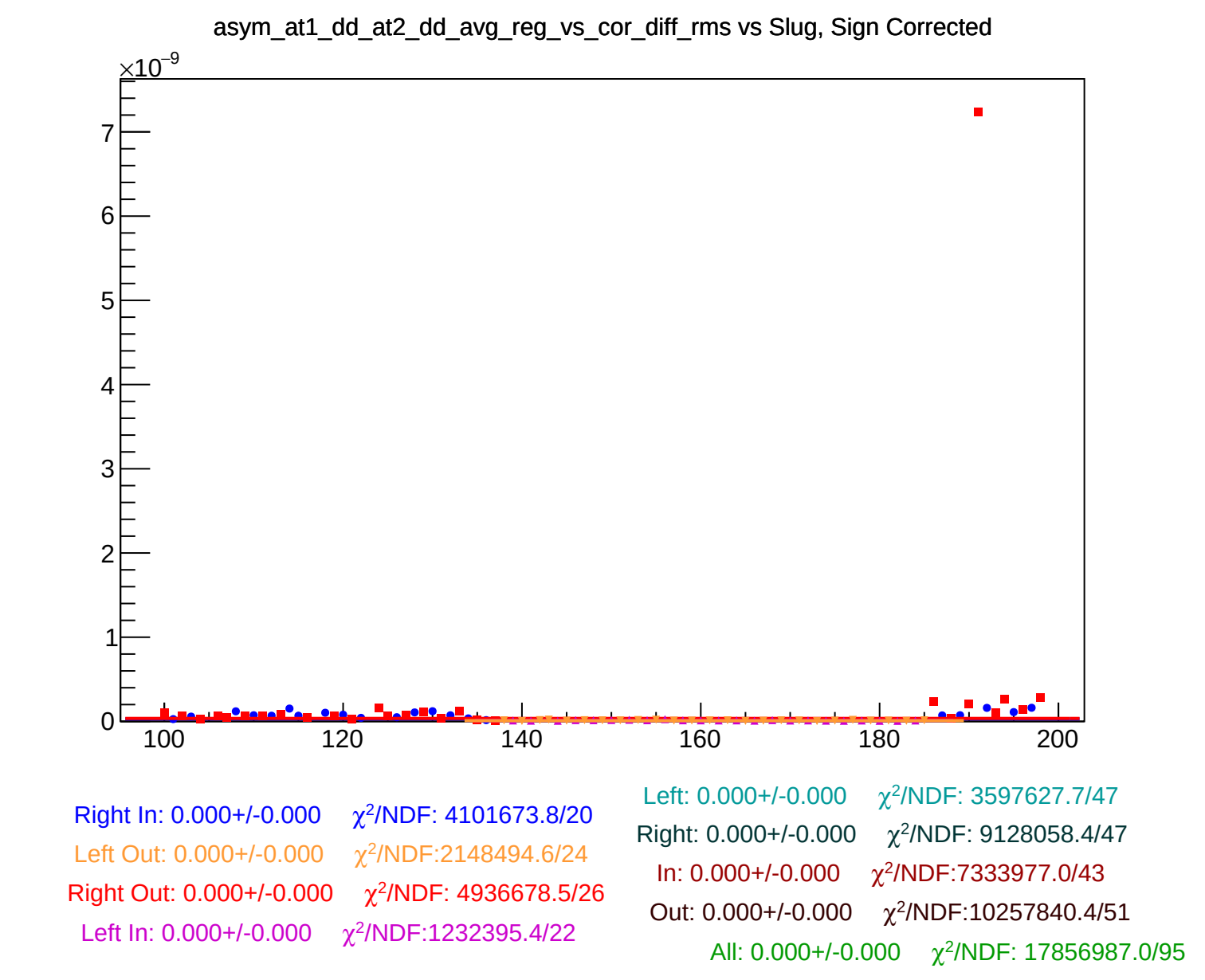
Right: 1936.809+/-0.290 χ^2/NDF: 1463595.7/47

In: 1494.093+/-0.200 χ^2/NDF:1974473.7/43

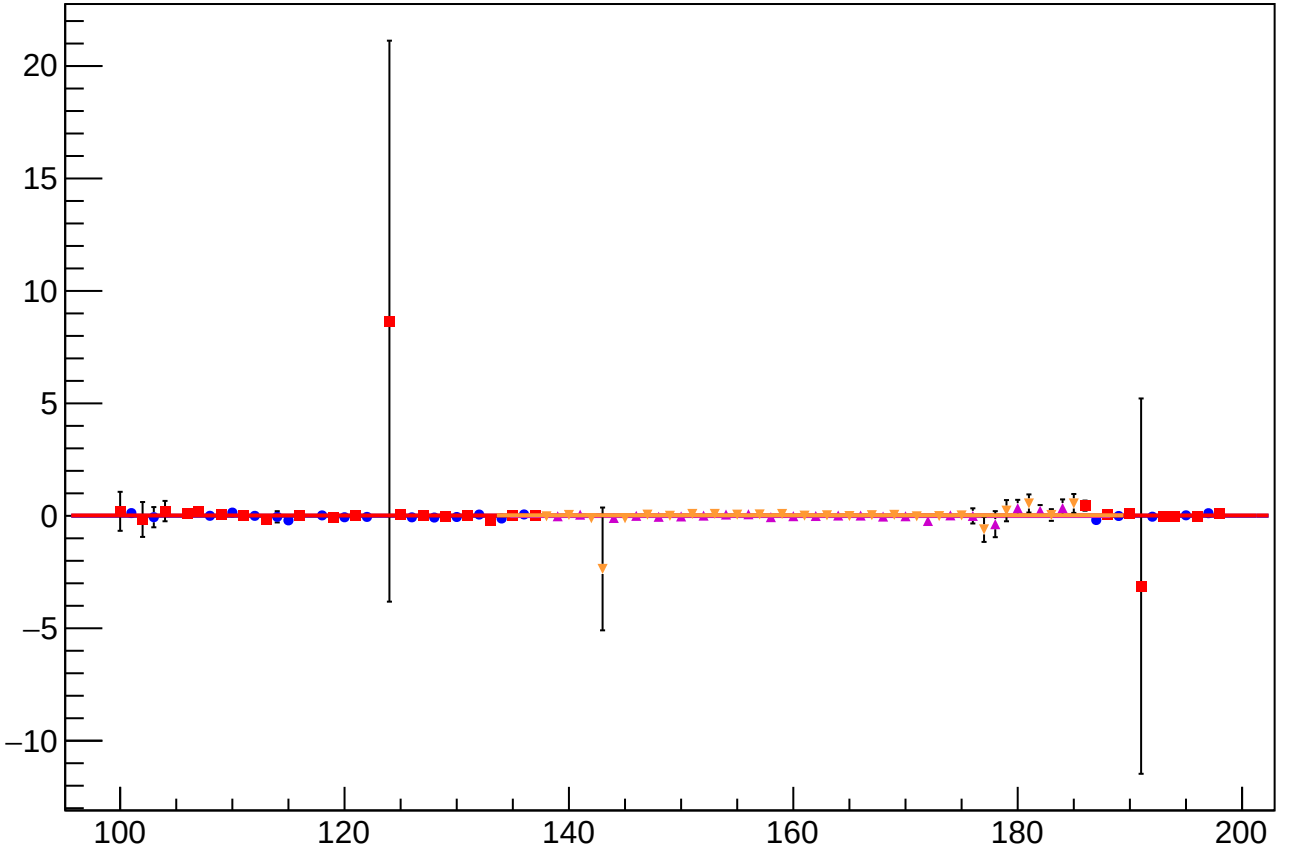
Out: 1523.871+/-0.195 χ^2/NDF:2717052.9/51

All: 1509.331+/-0.140 χ^2/NDF: 4702891.7/95


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
200
Right In: 0.000+/-0.000 χ²/NDF: 19.0/20
Left Out: 0.000+/-0.000 χ²/NDF:24.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 42.5/26
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: 63.8/47
In: 0.000+/-0.000 χ²/NDF:33.3/43
Out: 0.000+/-0.000 χ²/NDF:68.9/51
All: 0.000+/-0.000 χ²/NDF: 102.2/95


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
7
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4101673.8/20
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 4936678.5/26
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: 9128058.4/47
In: 0.000+/-0.000 χ²/NDF:7333977.0/43
Out: 0.000+/-0.000 χ²/NDF:10257840.4/51
All: 0.000+/-0.000 χ²/NDF: 17856987.0/95

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/20

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.013 χ^2/NDF: 21.4/26

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

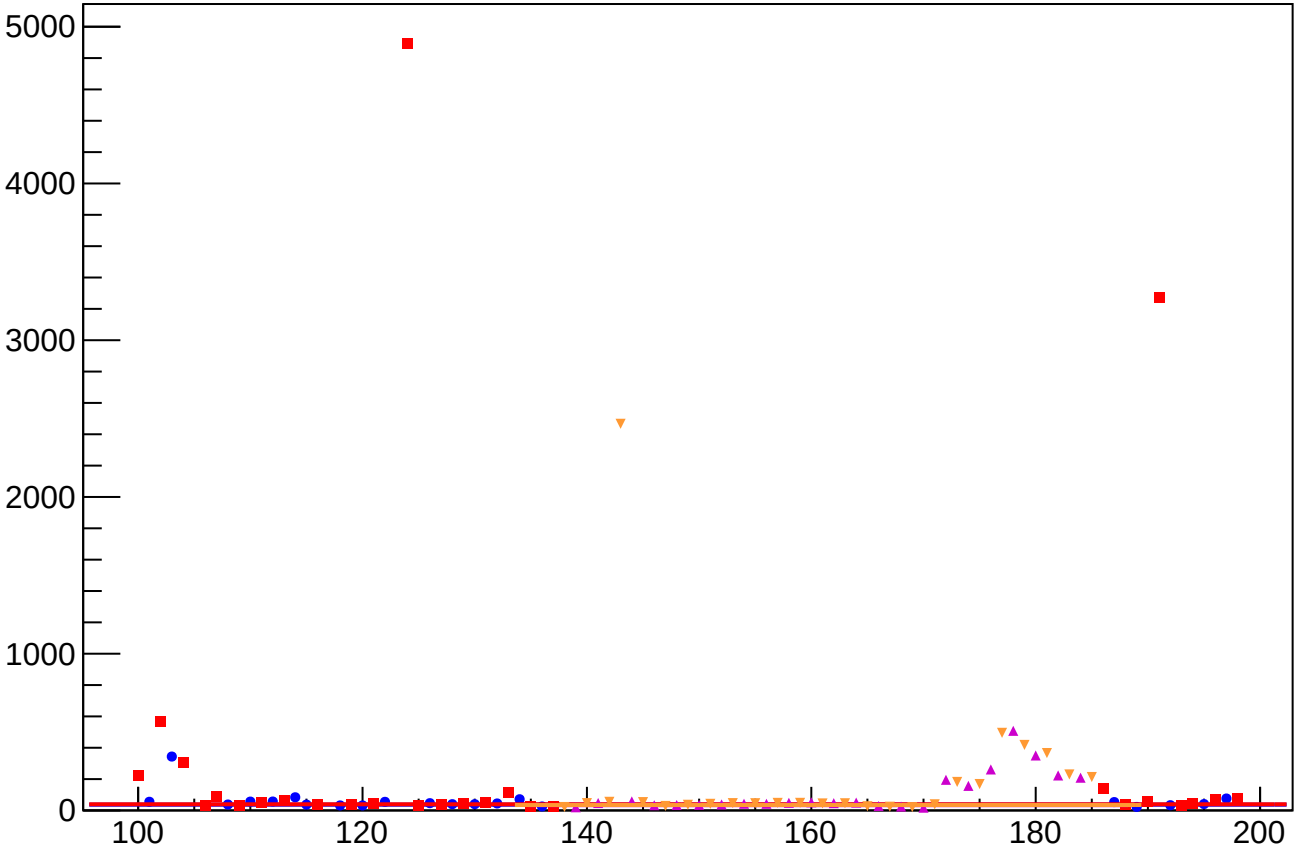
Right: 0.009+/-0.009 χ^2/NDF: 46.6/47

In: -0.005+/-0.008 χ^2/NDF:40.0/43

Out: 0.021+/-0.008 χ^2/NDF:44.4/51

All: 0.008+/-0.006 χ^2/NDF: 89.7/95

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.716+/-0.009 χ^2/NDF: 2670680.1/20

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 39.452+/-0.009 χ^2/NDF: 4693021.8/26

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

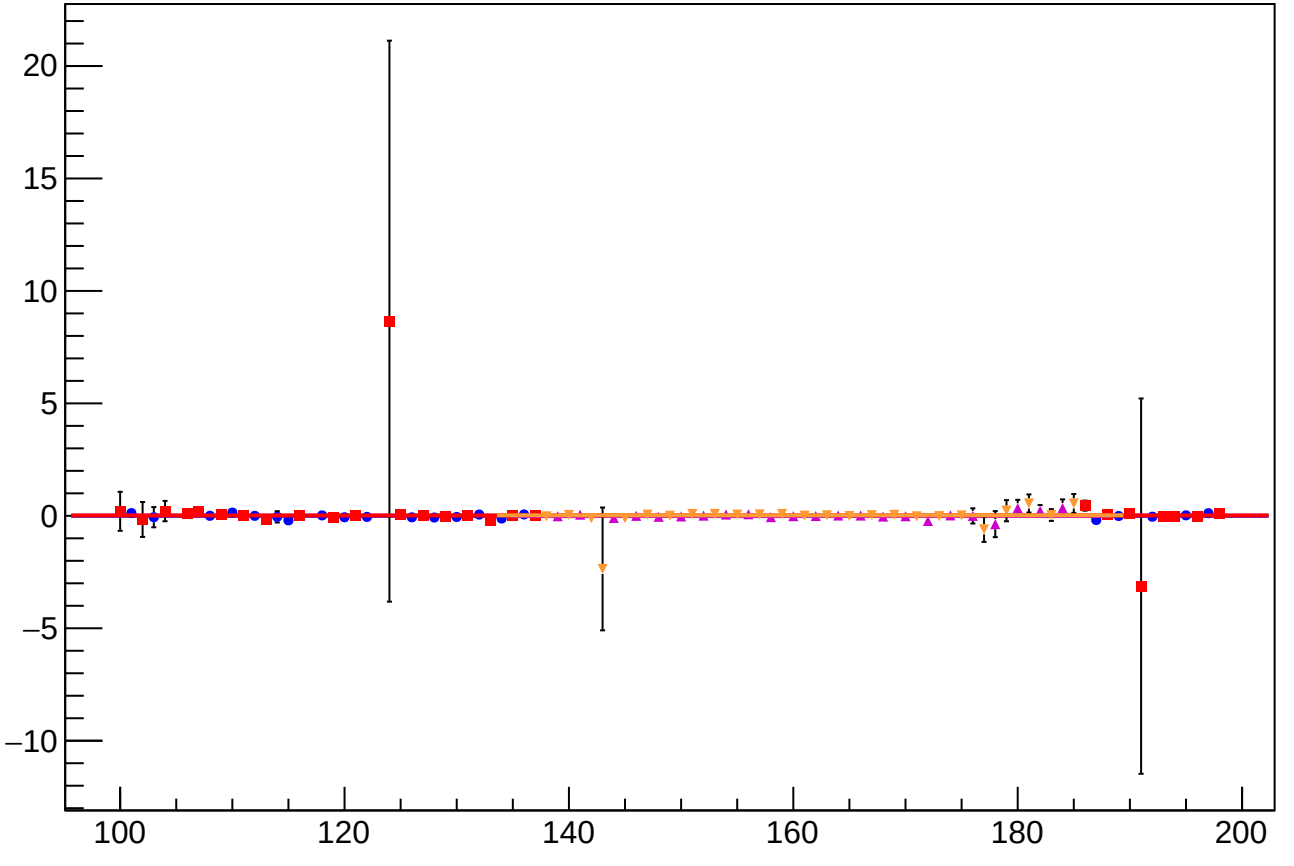
Right: 38.062+/-0.007 χ^2/NDF: 7406133.6/47

In: 34.725+/-0.006 χ^2/NDF:12809776.1/43

Out: 36.398+/-0.006 χ^2/NDF:16260000.5/51

All: 35.543+/-0.004 χ^2/NDF: 29113212.6/95

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: 24.6/20

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.013 χ^2/NDF: 21.4/26

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

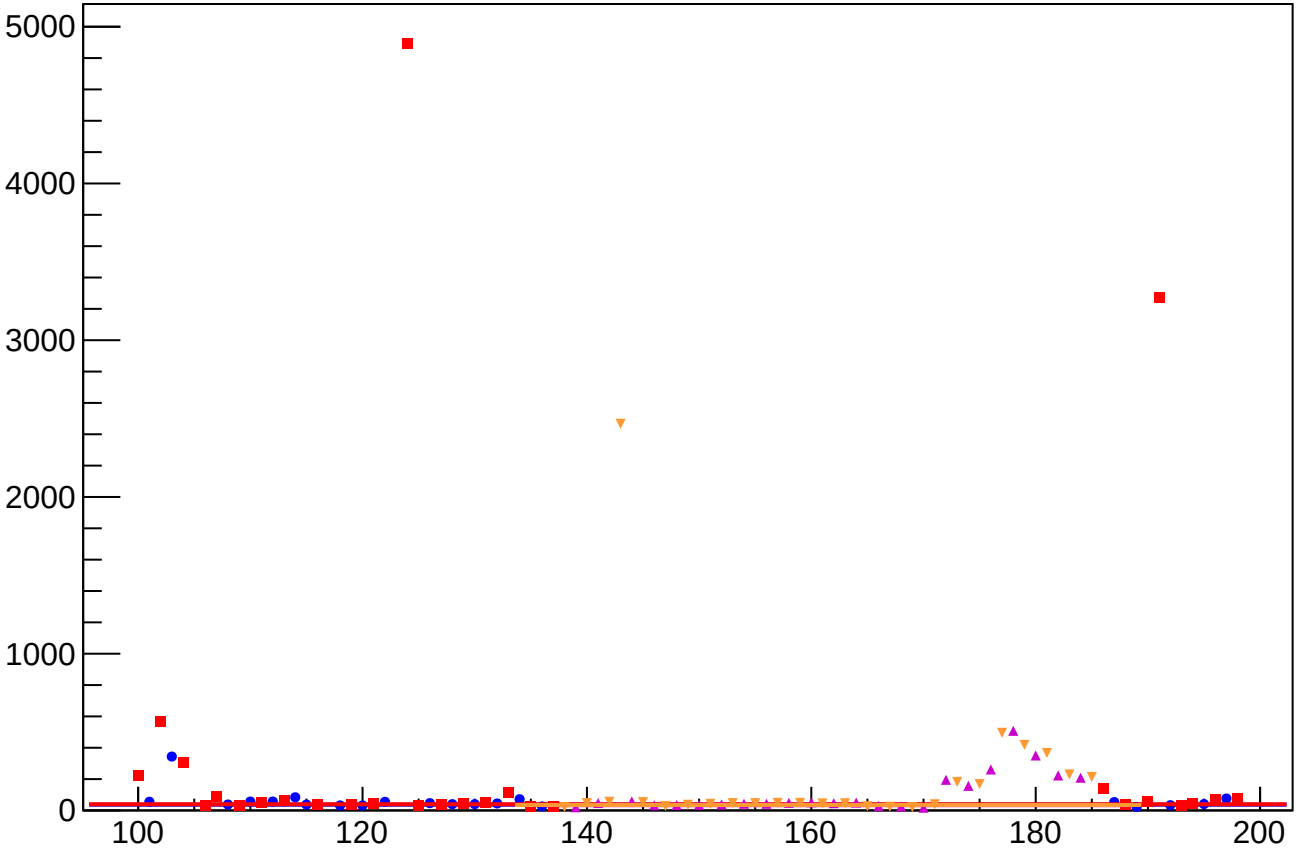
Right: 0.009+/-0.009 χ^2/NDF: 46.6/47

In: -0.005+/-0.008 χ^2/NDF:40.0/43

Out: 0.021+/-0.008 χ^2/NDF:44.4/51

All: 0.008+/-0.006 χ^2/NDF: 89.7/95

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.716+/-0.009 χ^2/NDF: 2670680.1/20

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 39.452+/-0.009 χ^2/NDF: 4693021.8/26

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

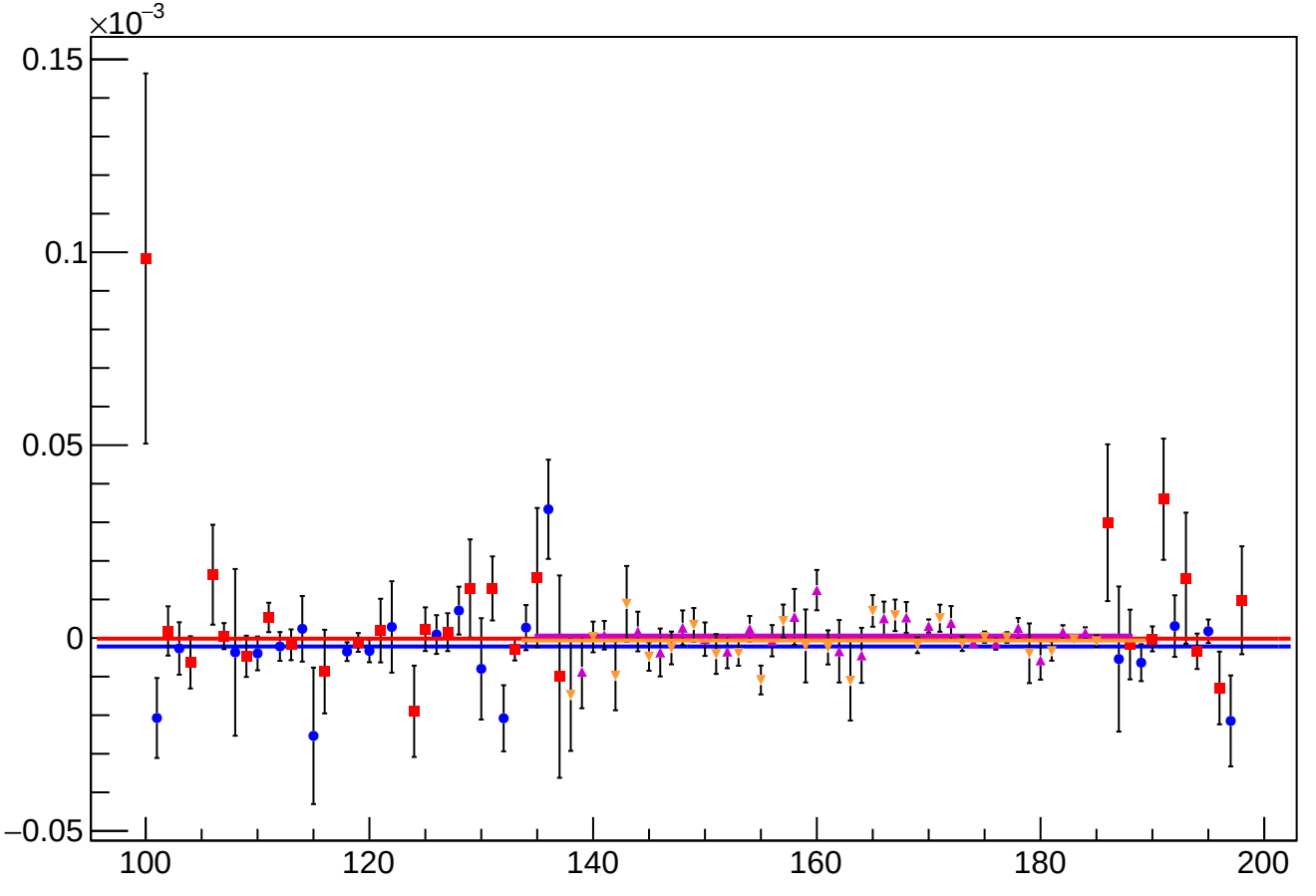
Right: 38.062+/-0.007 χ^2/NDF: 7406133.6/47

In: 34.725+/-0.006 χ^2/NDF:12809776.1/43

Out: 36.398+/-0.006 χ^2/NDF:16260000.5/51

All: 35.543+/-0.004 χ^2/NDF: 29113212.6/95

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/20

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/26

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

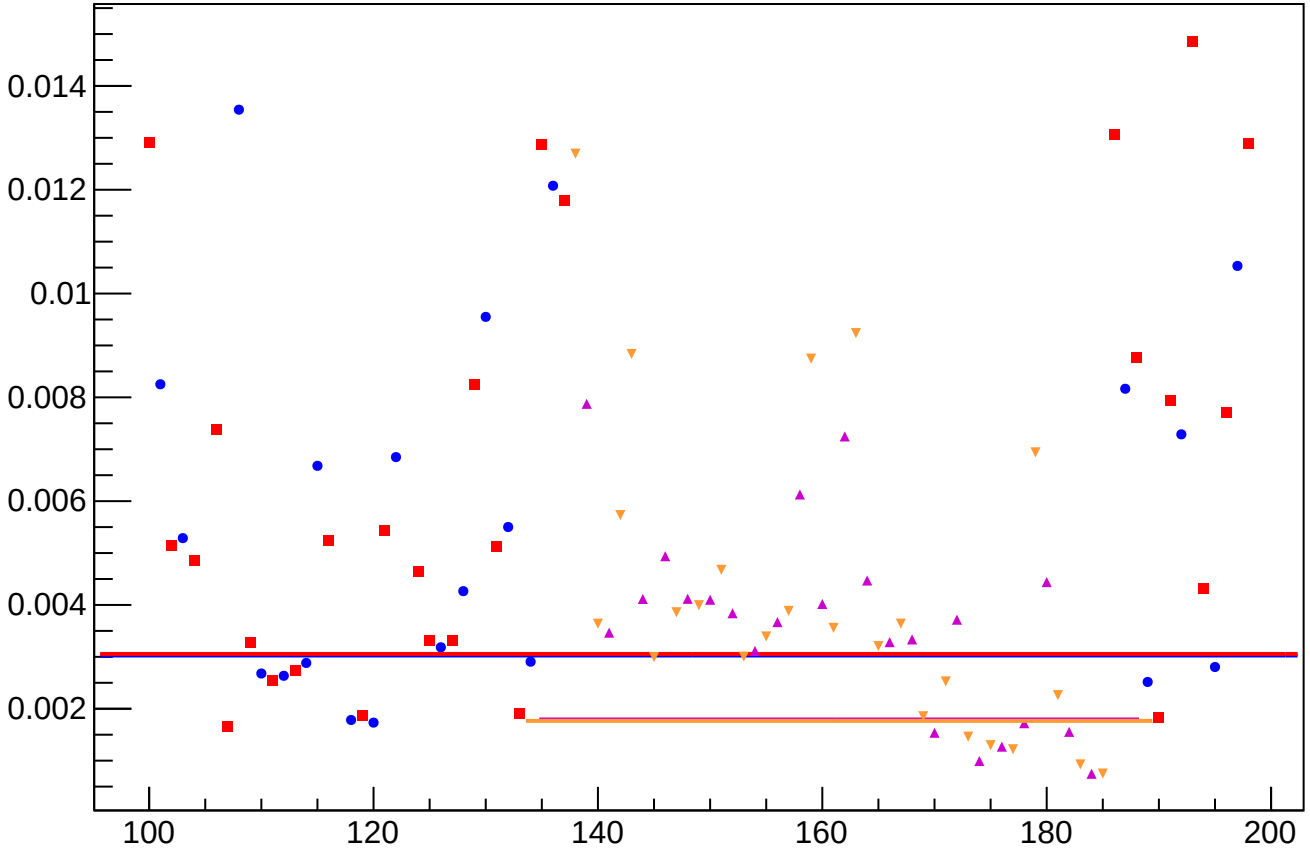
Right: -0.000+/-0.000 χ^2/NDF: 59.3/47

In: 0.000+/-0.000 χ^2/NDF:54.4/43

Out: -0.000+/-0.000 χ^2/NDF:58.6/51

All: -0.000+/-0.000 χ^2/NDF: 114.0/95

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: 5742320.1/20

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 7780464.4/26

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

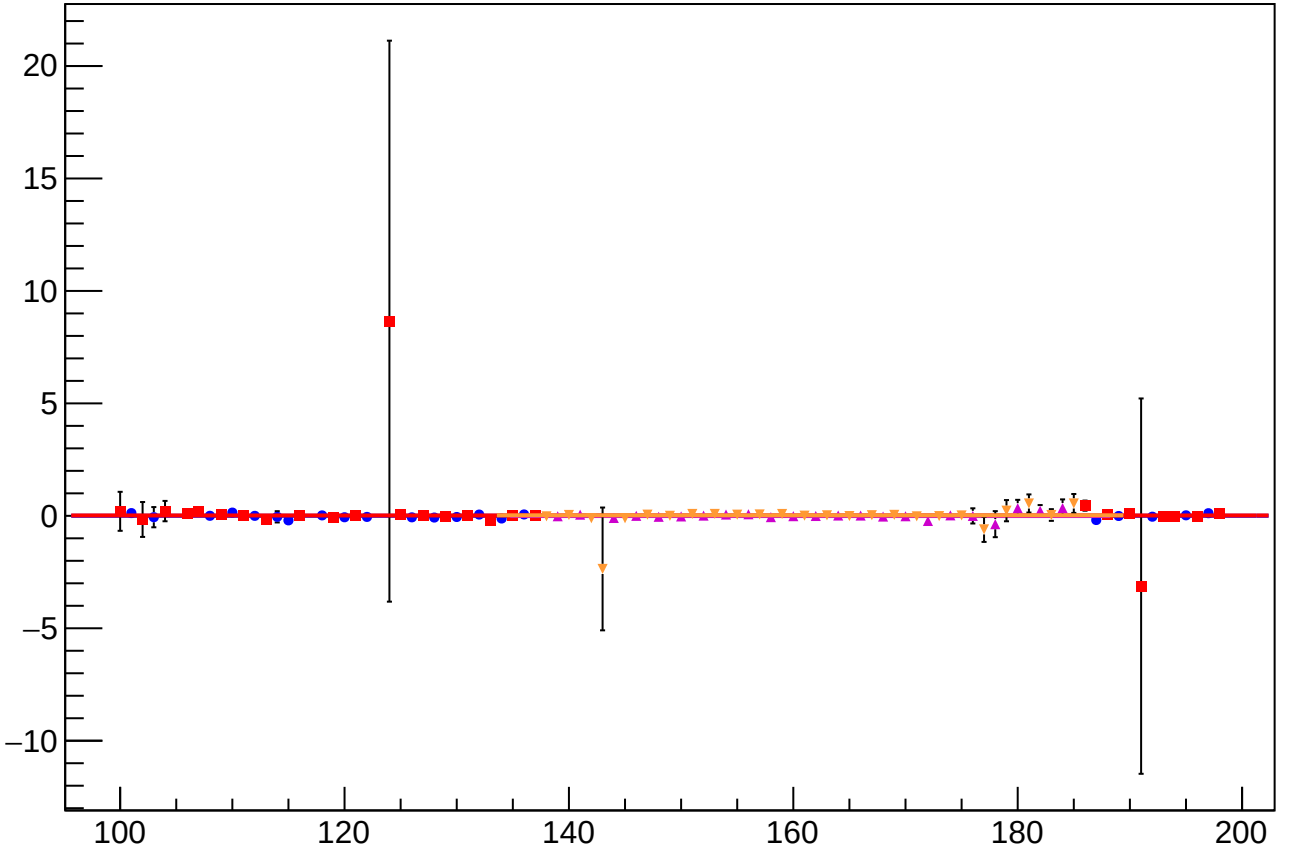
Right: 0.003+/-0.000 χ^2/NDF: 13523503.5/47

In: 0.002+/-0.000 χ^2/NDF:18403950.5/43

Out: 0.002+/-0.000 χ^2/NDF:23142575.8/51

All: 0.002+/-0.000 χ^2/NDF: 41546735.6/95

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: 24.6/20

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.013 χ^2/NDF: 21.4/26

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

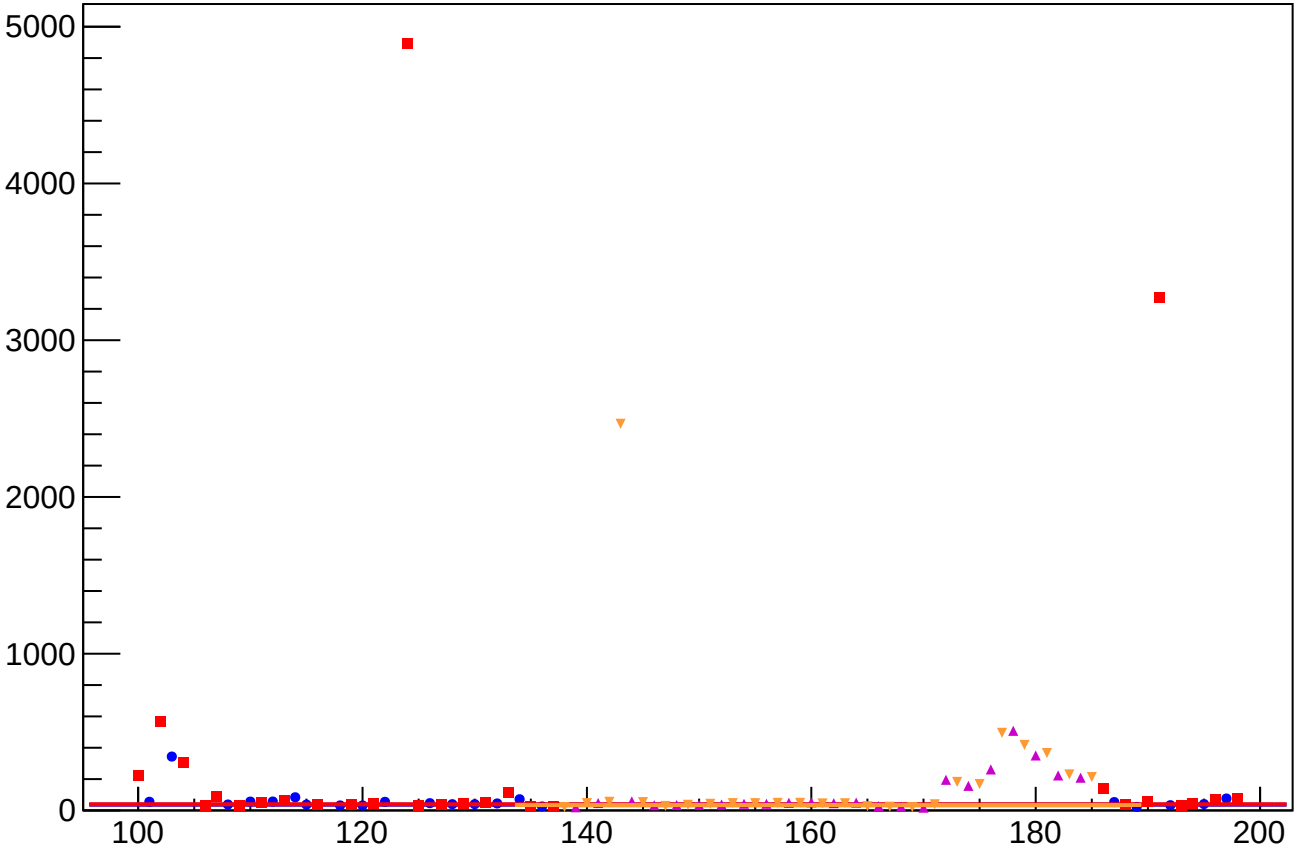
Right: 0.009+/-0.009 χ^2/NDF: 46.6/47

In: -0.005+/-0.008 χ^2/NDF:40.0/43

Out: 0.021+/-0.008 χ^2/NDF:44.4/51

All: 0.008+/-0.006 χ^2/NDF: 89.7/95

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.718+/-0.009 χ^2/NDF: 2669928.9/20

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 39.453+/-0.009 χ^2/NDF: 4692771.9/26

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

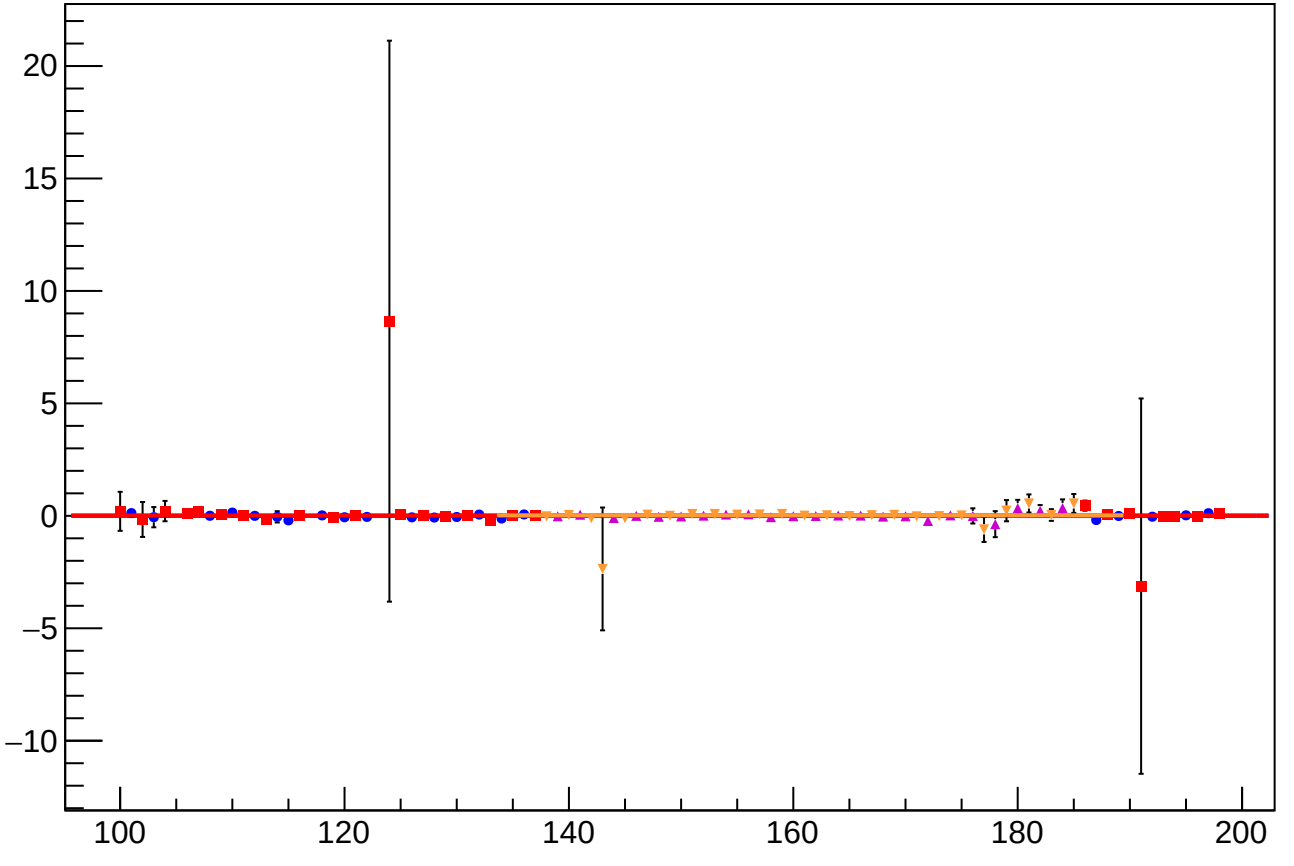
Right: 38.063+/-0.007 χ^2/NDF: 7405084.6/47

In: 34.727+/-0.006 χ^2/NDF:12807744.9/43

Out: 36.397+/-0.006 χ^2/NDF:16259977.9/51

All: 35.544+/-0.004 χ^2/NDF: 29111019.5/95

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: 24.6/20

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.013 χ^2/NDF: 21.4/26

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

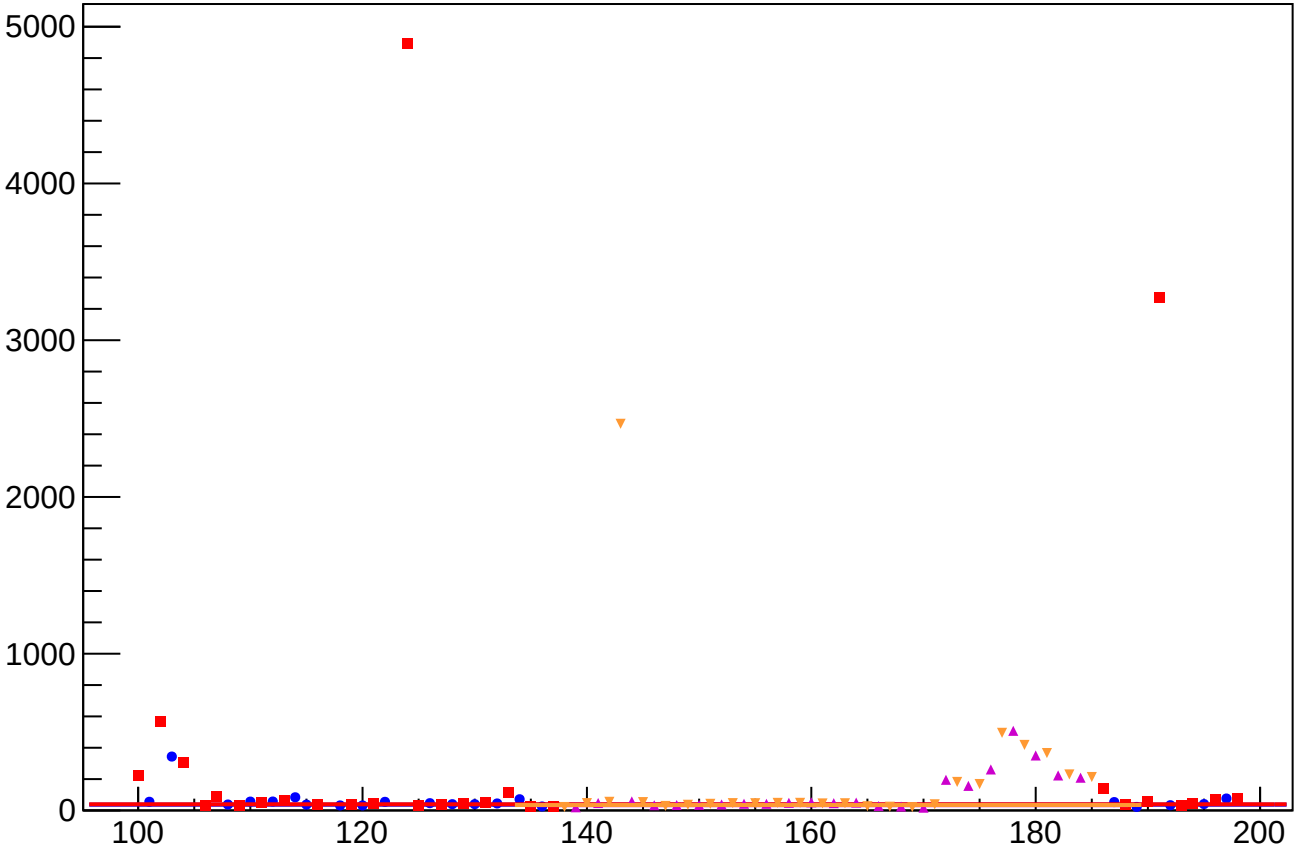
Right: 0.009+/-0.009 χ^2/NDF: 46.6/47

In: -0.005+/-0.008 χ^2/NDF:40.0/43

Out: 0.021+/-0.008 χ^2/NDF:44.4/51

All: 0.008+/-0.006 χ^2/NDF: 89.7/95

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.718+/-0.009 χ^2/NDF: 2669928.9/20

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 39.453+/-0.009 χ^2/NDF: 4692771.9/26

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

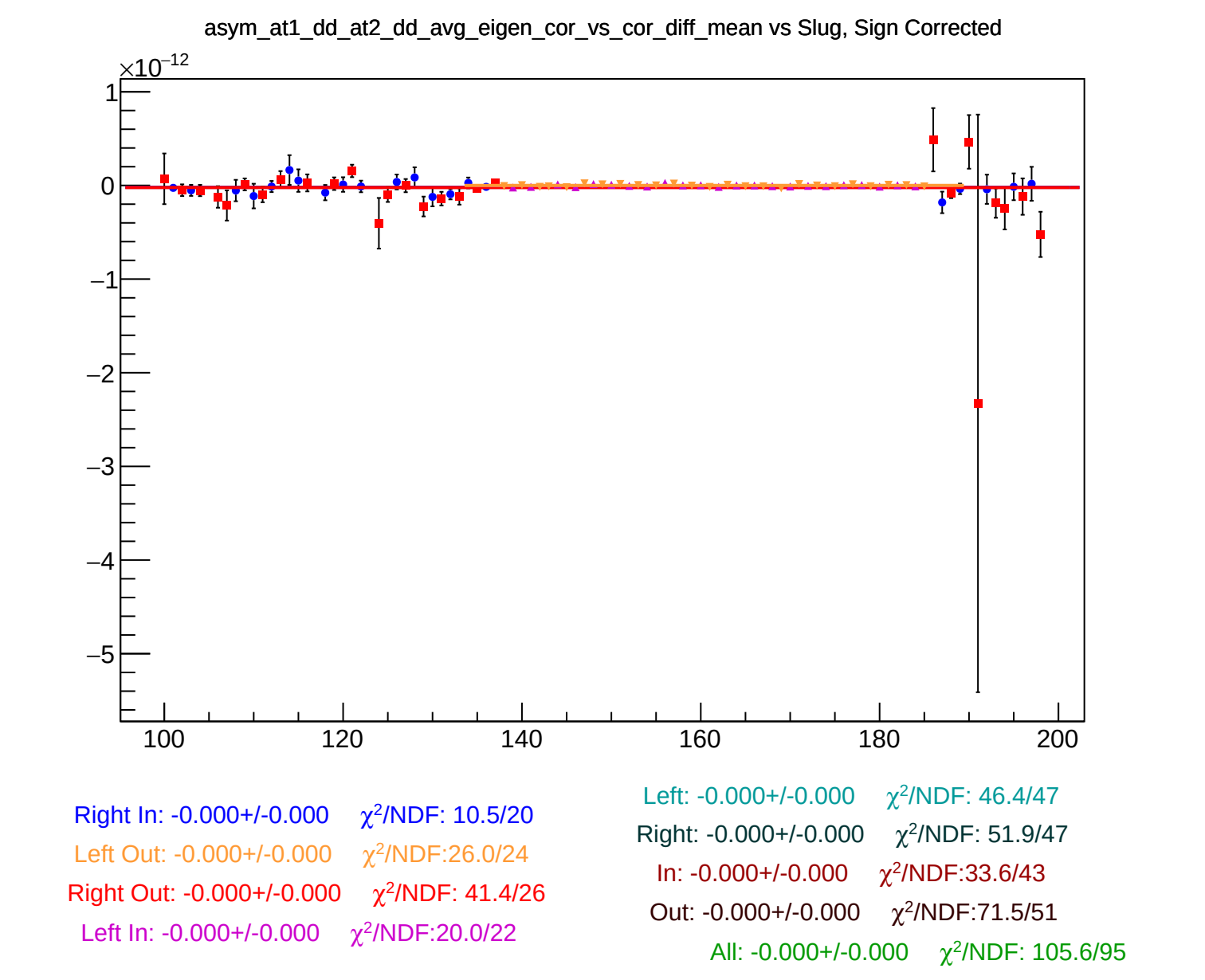
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 38.063+/-0.007 χ^2/NDF: 7405084.6/47

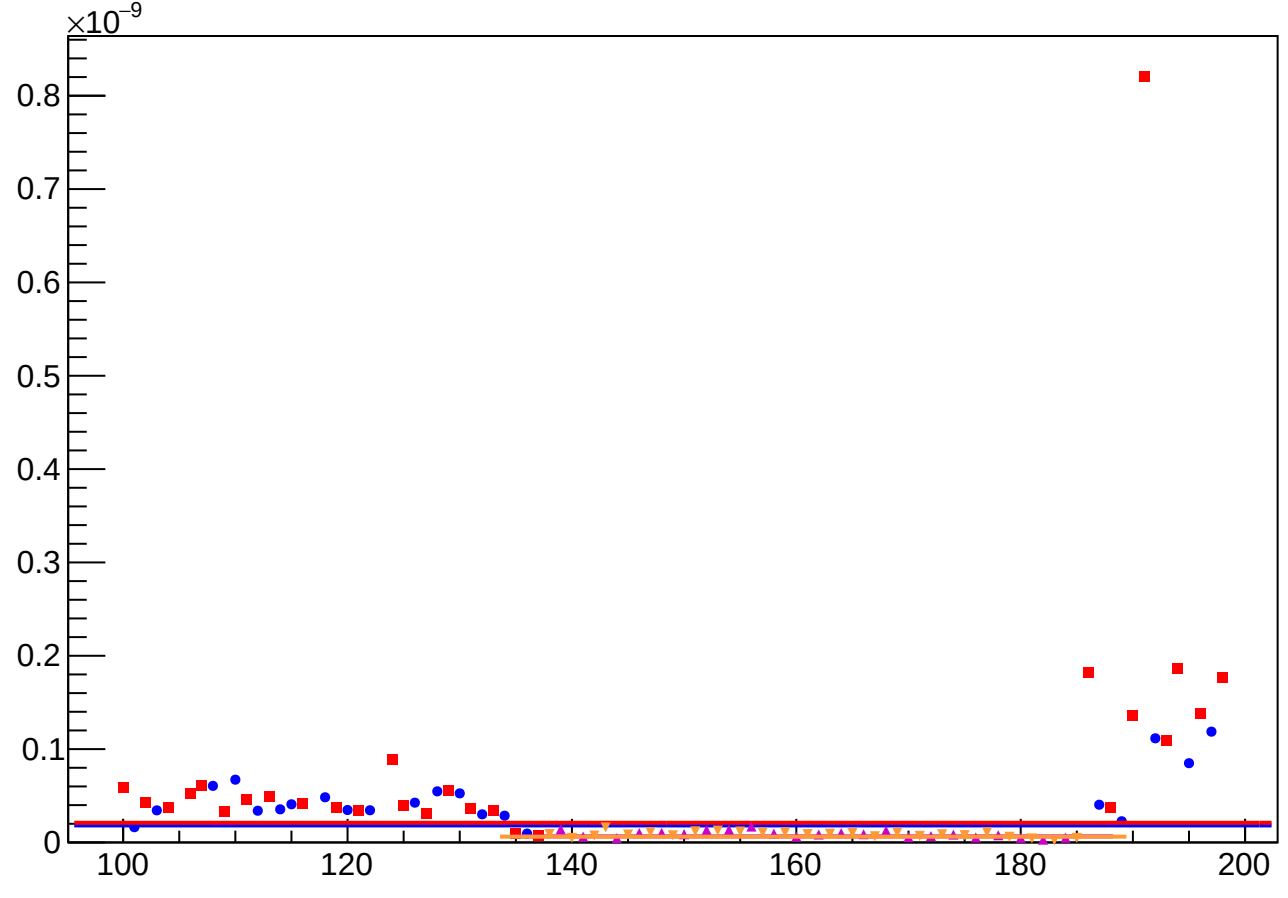
In: 34.727+/-0.006 χ^2/NDF:12807744.9/43

Out: 36.397+/-0.006 χ^2/NDF:16259977.9/51

All: 35.544+/-0.004 χ^2/NDF: 29111019.5/95


asym_at1_dd_at2_dd_avg_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: 10.5/20
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 41.4/26
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: 51.9/47
In: -0.000+/-0.000 χ²/NDF:33.6/43
Out: -0.000+/-0.000 χ²/NDF:71.5/51
All: -0.000+/-0.000 χ²/NDF: 105.6/95

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5095789.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8201798.2/26

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

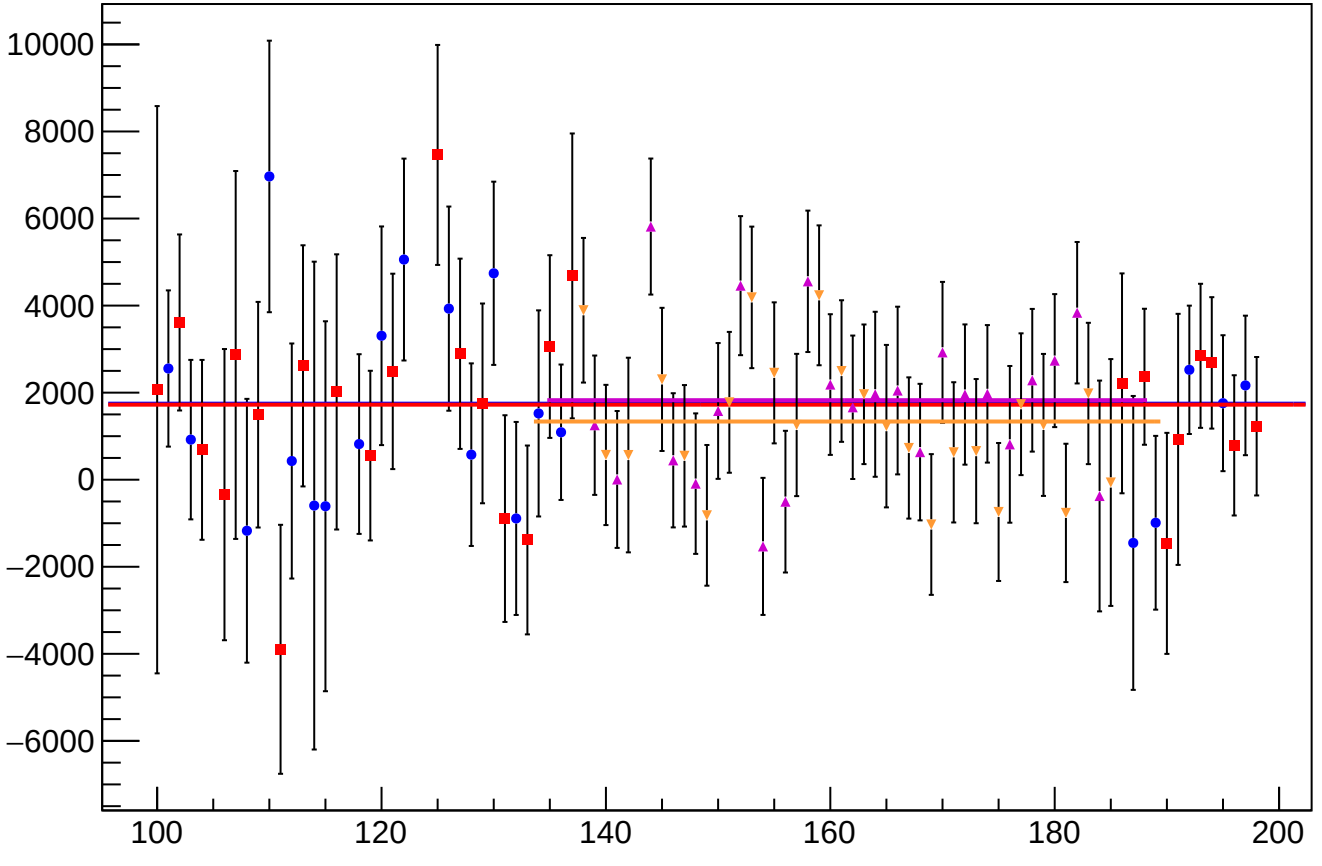
Right: 0.000+/-0.000 χ^2/NDF: 13376092.6/47

In: 0.000+/-0.000 χ^2/NDF:11916542.0/43

Out: 0.000+/-0.000 χ^2/NDF:17017478.3/51

All: 0.000+/-0.000 χ^2/NDF: 28958583.4/95

reg_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 1746.743+/-463.645 χ^2/NDF: 15.4/20

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: 1724.140+/-434.208 χ^2/NDF: 19.1/25

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

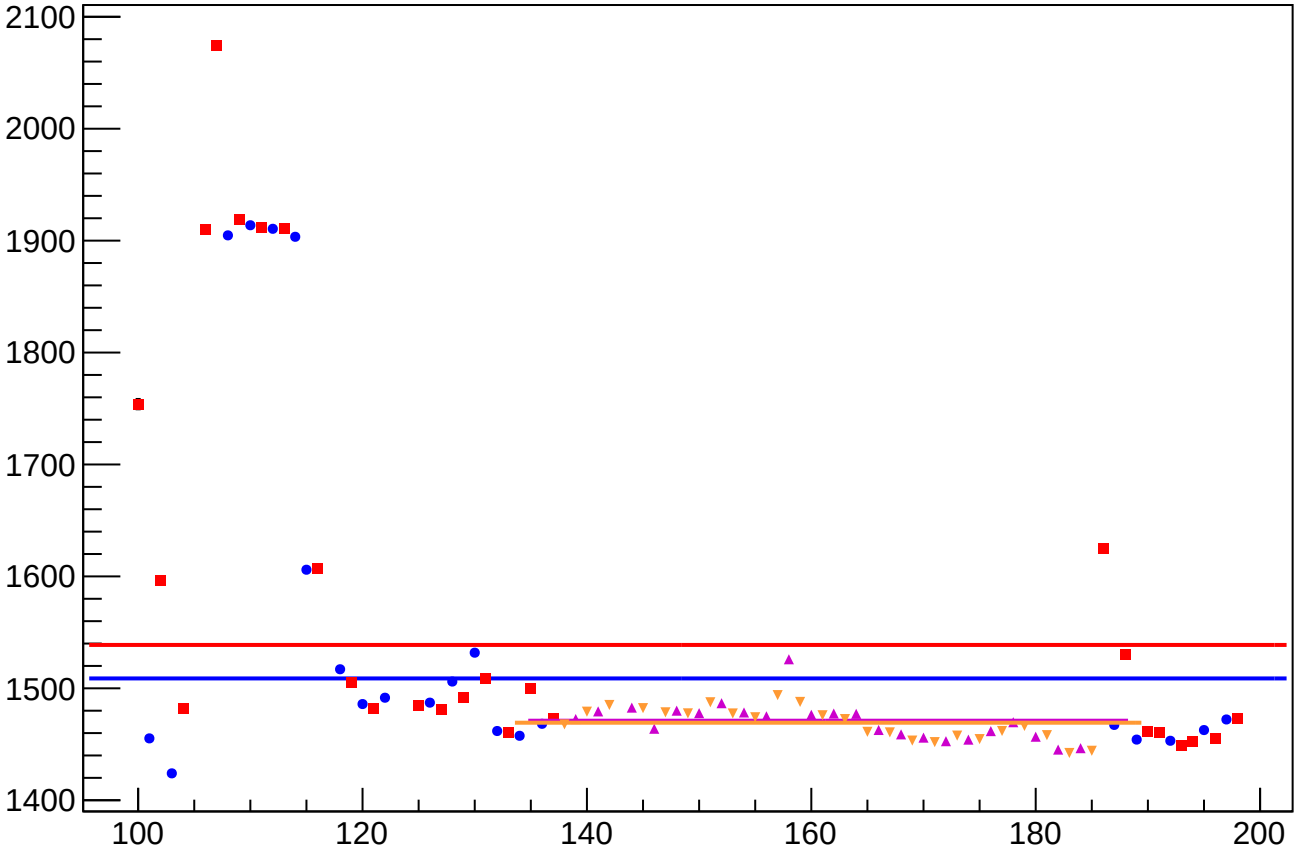
Right: 1734.701+/-316.928 χ^2/NDF: 34.5/46

In: 1798.301+/-275.996 χ^2/NDF:41.9/43

Out: 1484.697+/-268.190 χ^2/NDF:38.8/49

All: 1637.001+/-192.339 χ^2/NDF: 81.4/93

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1508.830+/-0.328 χ^2/NDF: 140517.2/20

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1538.759+/-0.307 χ^2/NDF: 212532.7/25

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

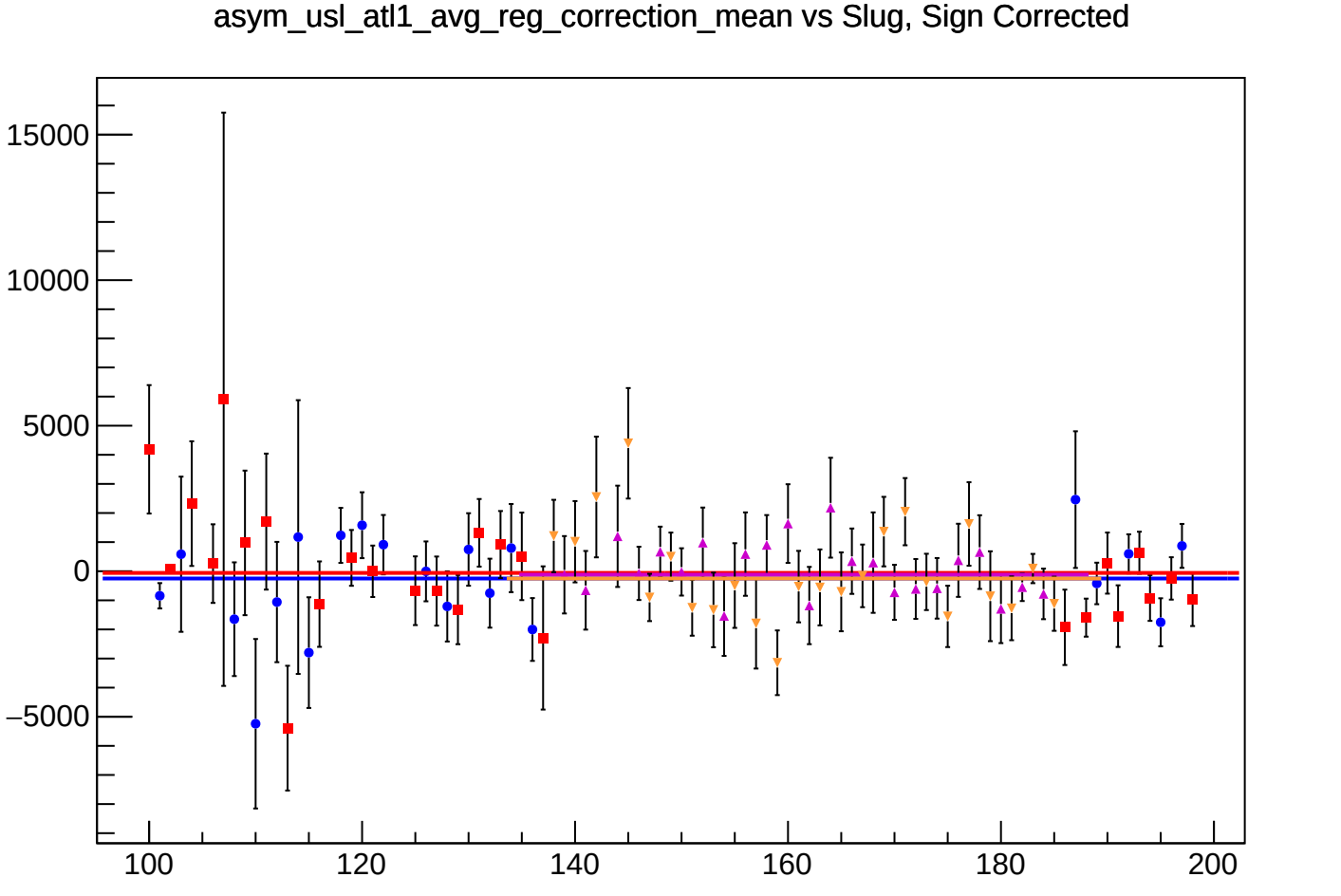
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1524.774+/-0.224 χ^2/NDF: 357489.7/46

In: 1484.440+/-0.195 χ^2/NDF:153731.6/43

Out: 1495.778+/-0.190 χ^2/NDF:247372.6/49

All: 1490.271+/-0.136 χ^2/NDF: 402840.1/93



Right In: -250.530+/-217.811 χ^2/NDF: 26.9/20

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: -58.612+/-117.269 χ^2/NDF: 31.6/25

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

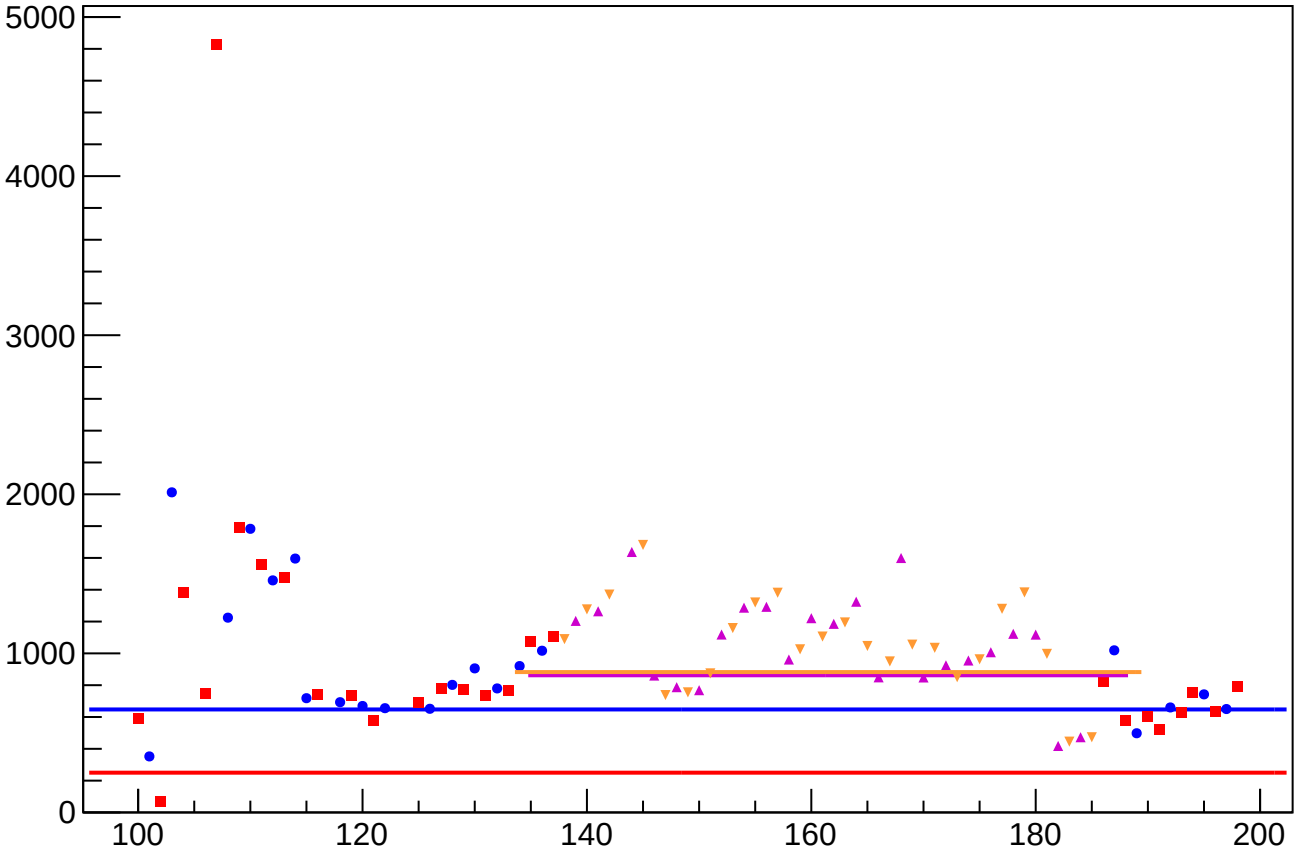
Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

Right: -101.742+/-103.255 χ^2/NDF: 59.1/46

In: -184.613+/-153.362 χ^2/NDF:39.9/43

Out: -101.813+/-103.314 χ^2/NDF:64.9/49

All: -127.659+/-85.685 χ^2/NDF: 105.0/93



Right In: 647.489+/-0.154 χ^2/NDF: 2928279.7/20

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 250.066+/-0.083 χ^2/NDF: 14362617.2/25

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

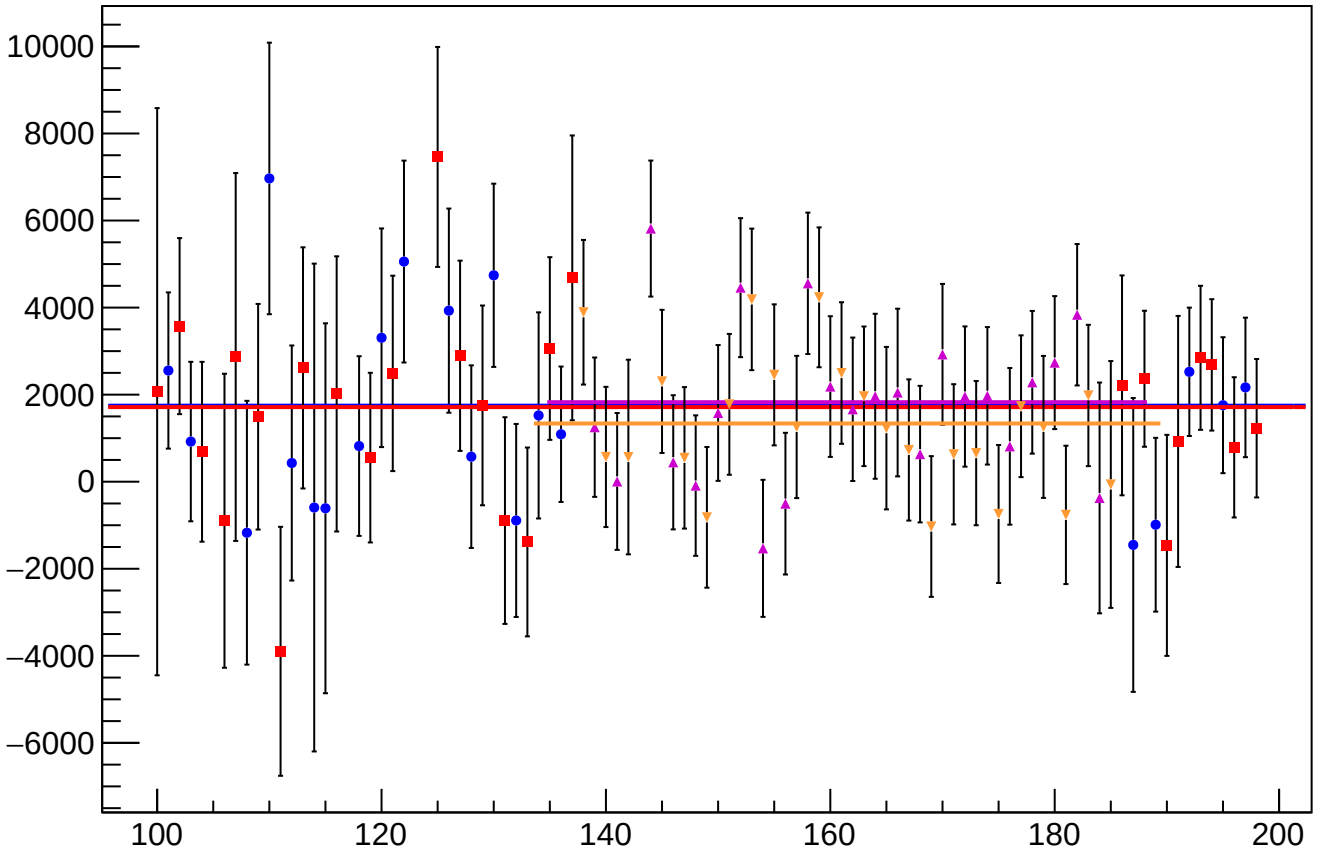
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 339.379+/-0.073 χ^2/NDF: 22453054.3/46

In: 755.802+/-0.108 χ^2/NDF:8278551.7/43

Out: 391.614+/-0.073 χ^2/NDF:31281550.9/49

All: 505.298+/-0.061 χ^2/NDF: 47317825.7/93



Right In: 1746.823+/-463.645 χ^2/NDF: 15.4/20

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1713.876+/-434.281 χ^2/NDF: 19.3/25

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

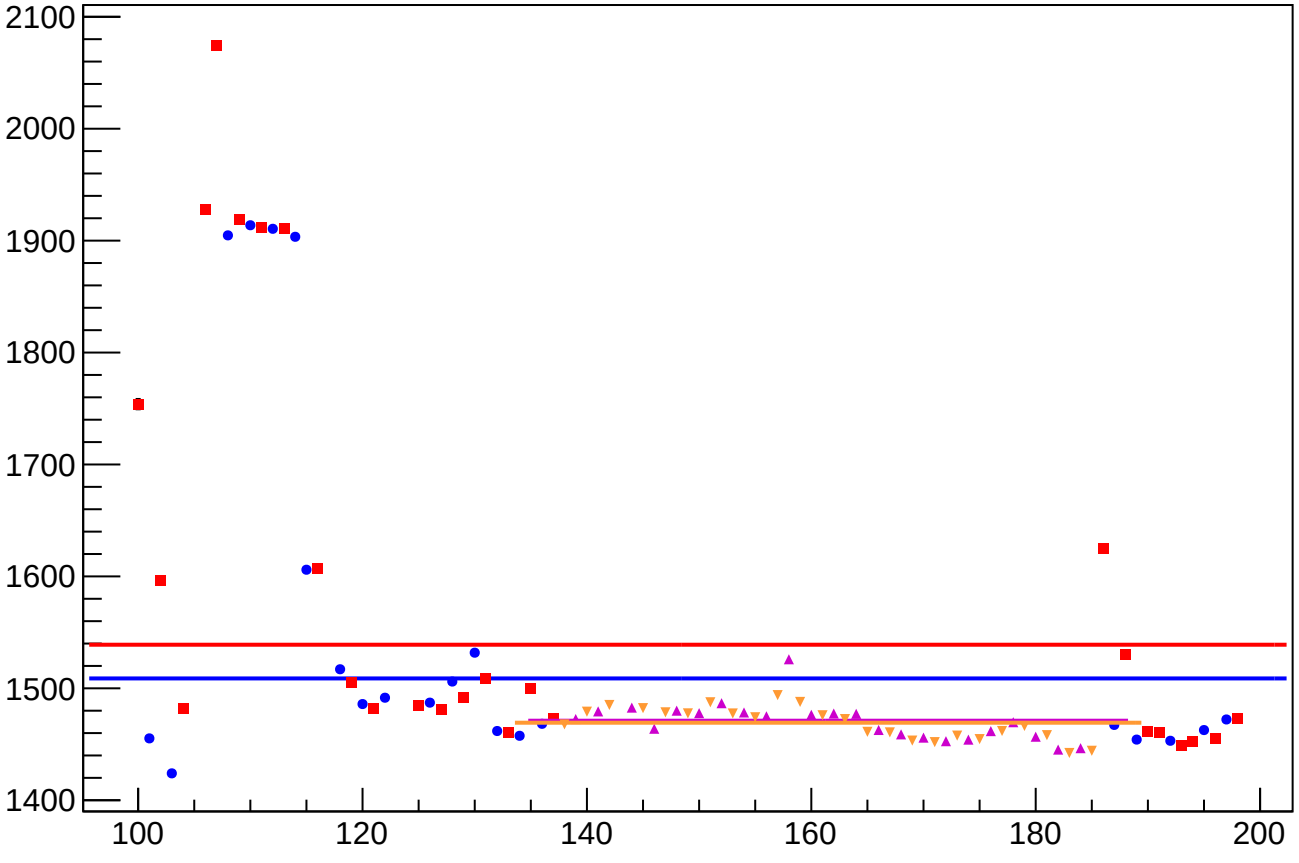
Right: 1729.273+/-316.956 χ^2/NDF: 34.7/46

In: 1798.359+/-275.996 χ^2/NDF:41.9/43

Out: 1480.758+/-268.207 χ^2/NDF:39.0/49

All: 1635.013+/-192.346 χ^2/NDF: 81.5/93

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1508.830+/-0.328 χ^2/NDF: 140517.2/20

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1538.951+/-0.307 χ^2/NDF: 214519.0/25

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

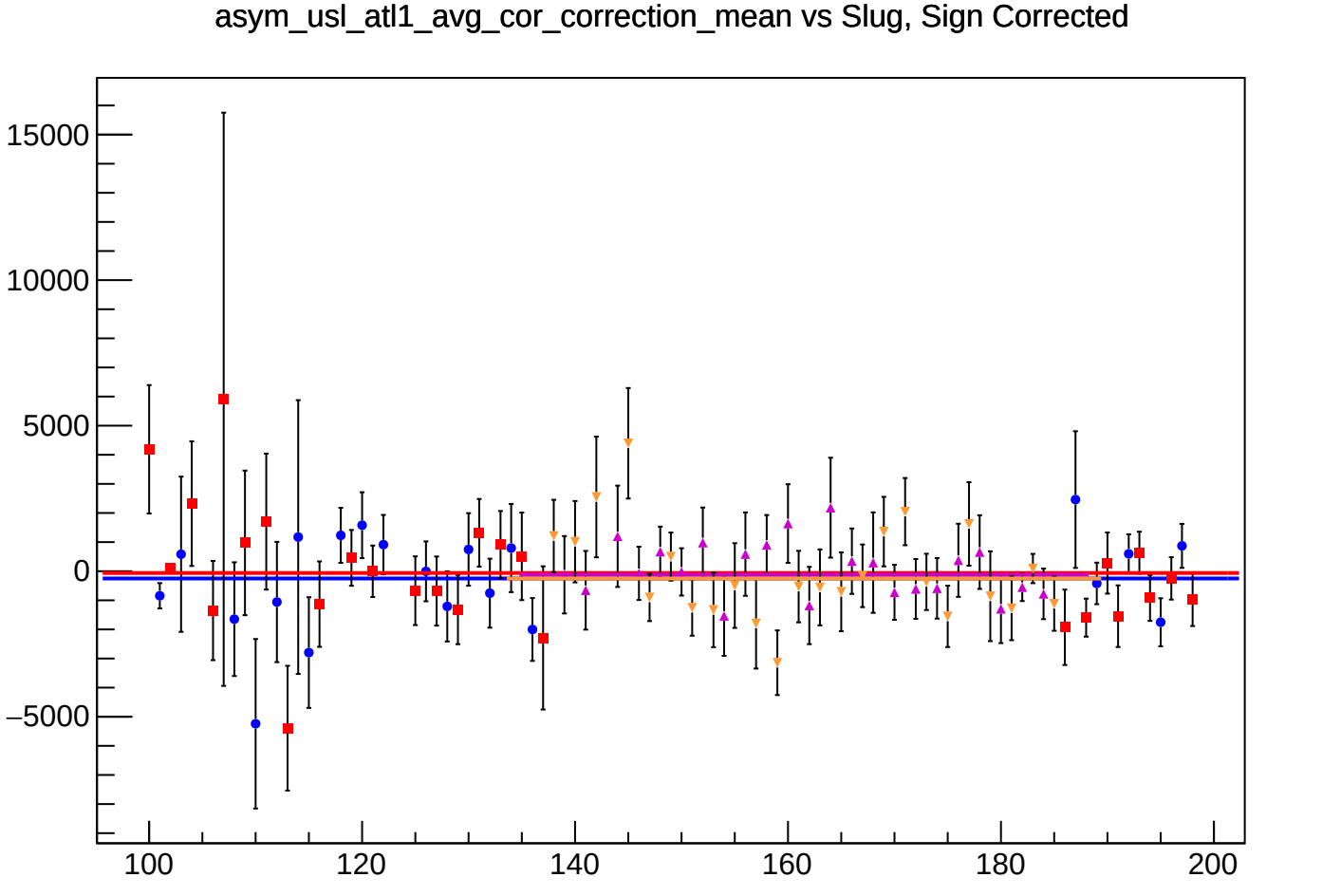
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1524.875+/-0.224 χ^2/NDF: 359532.6/46

In: 1484.440+/-0.195 χ^2/NDF:153731.6/43

Out: 1495.846+/-0.190 χ^2/NDF:249528.1/49

All: 1490.306+/-0.136 χ^2/NDF: 405016.4/93



Right In: -250.440+/-217.810 χ^2/NDF: 26.9/20

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -61.435+/-125.196 χ^2/NDF: 32.4/25

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

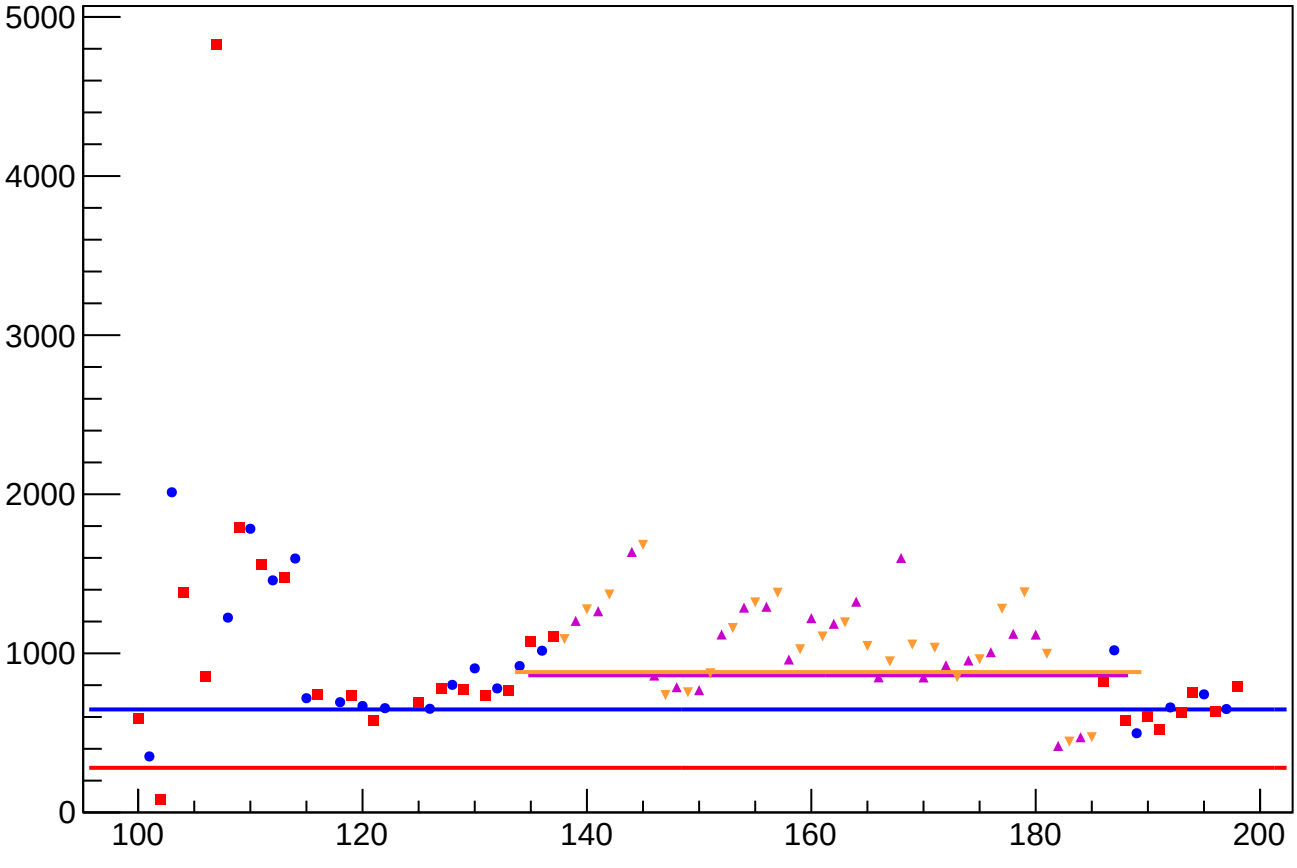
Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

Right: -108.372+/-108.543 χ^2/NDF: 59.9/46

In: -184.590+/-153.362 χ^2/NDF:40.0/43

Out: -108.477+/-108.612 χ^2/NDF:65.6/49

All: -133.900+/-88.635 χ^2/NDF: 105.8/93



Right In: 647.487+/-0.154 χ^2/NDF: 2928329.2/20

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 280.650+/-0.089 χ^2/NDF: 13343608.3/25

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

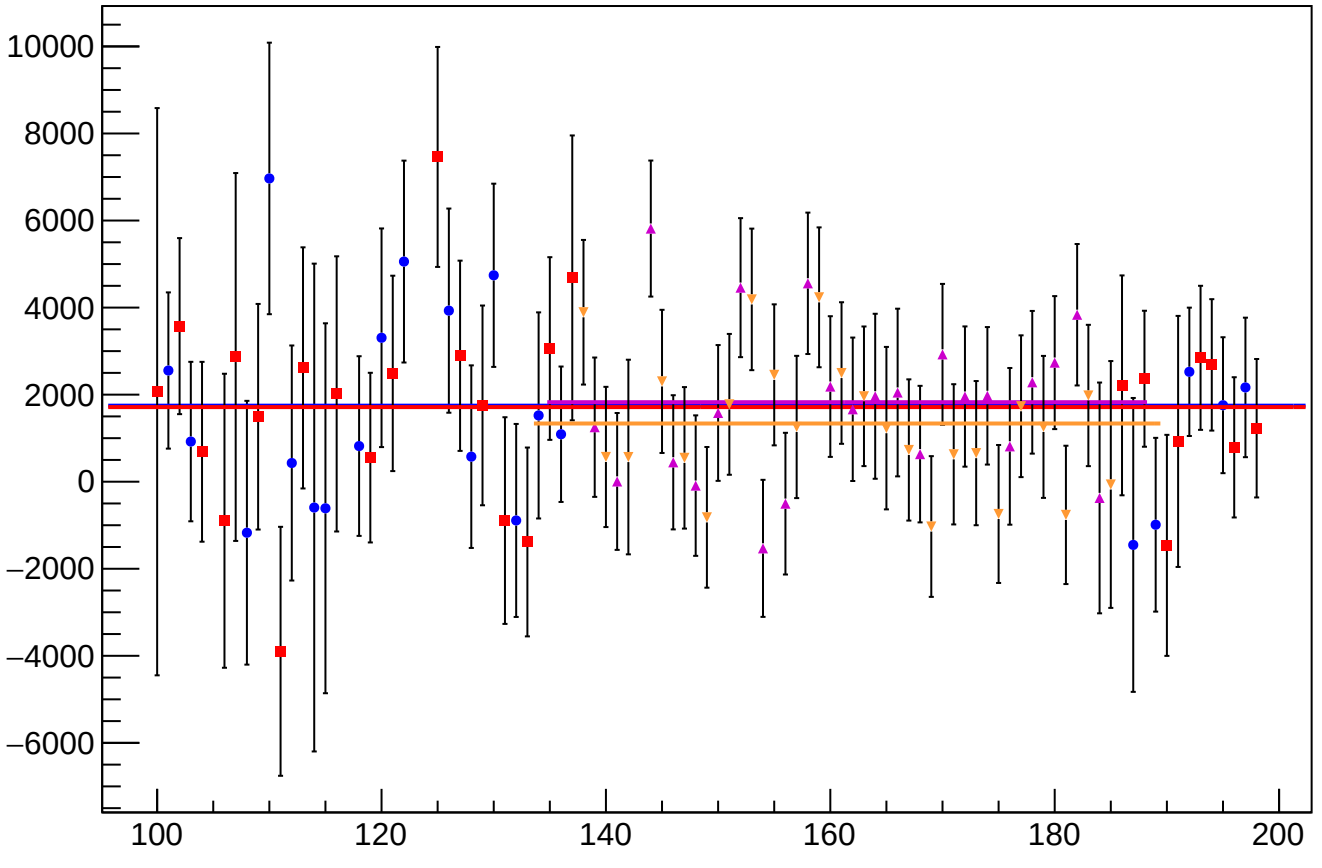
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 371.750+/-0.077 χ^2/NDF: 20536183.4/46

In: 755.802+/-0.108 χ^2/NDF:8278646.2/43

Out: 429.520+/-0.077 χ^2/NDF:28676254.7/49

All: 538.505+/-0.063 χ^2/NDF: 42983832.6/93



Right In: 1746.823+/-463.645 χ^2/NDF: 15.4/20

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1713.876+/-434.281 χ^2/NDF: 19.3/25

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

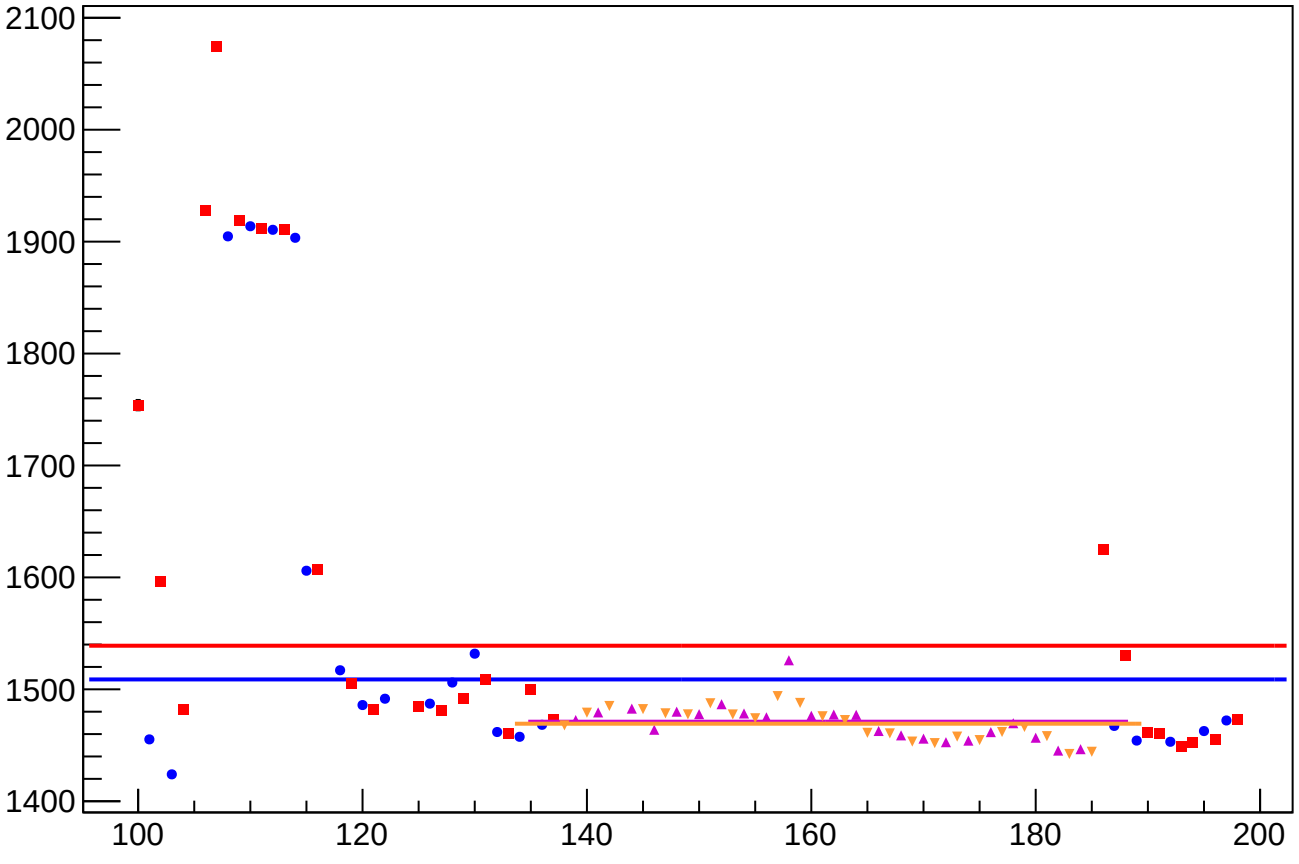
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1729.273+/-316.956 χ^2/NDF: 34.7/46

In: 1798.359+/-275.996 χ^2/NDF:41.9/43

Out: 1480.758+/-268.207 χ^2/NDF:39.0/49

All: 1635.013+/-192.346 χ^2/NDF: 81.5/93



Right In: 1508.830+/-0.328 χ^2/NDF: 140517.2/20

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1538.951+/-0.307 χ^2/NDF: 214519.0/25

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

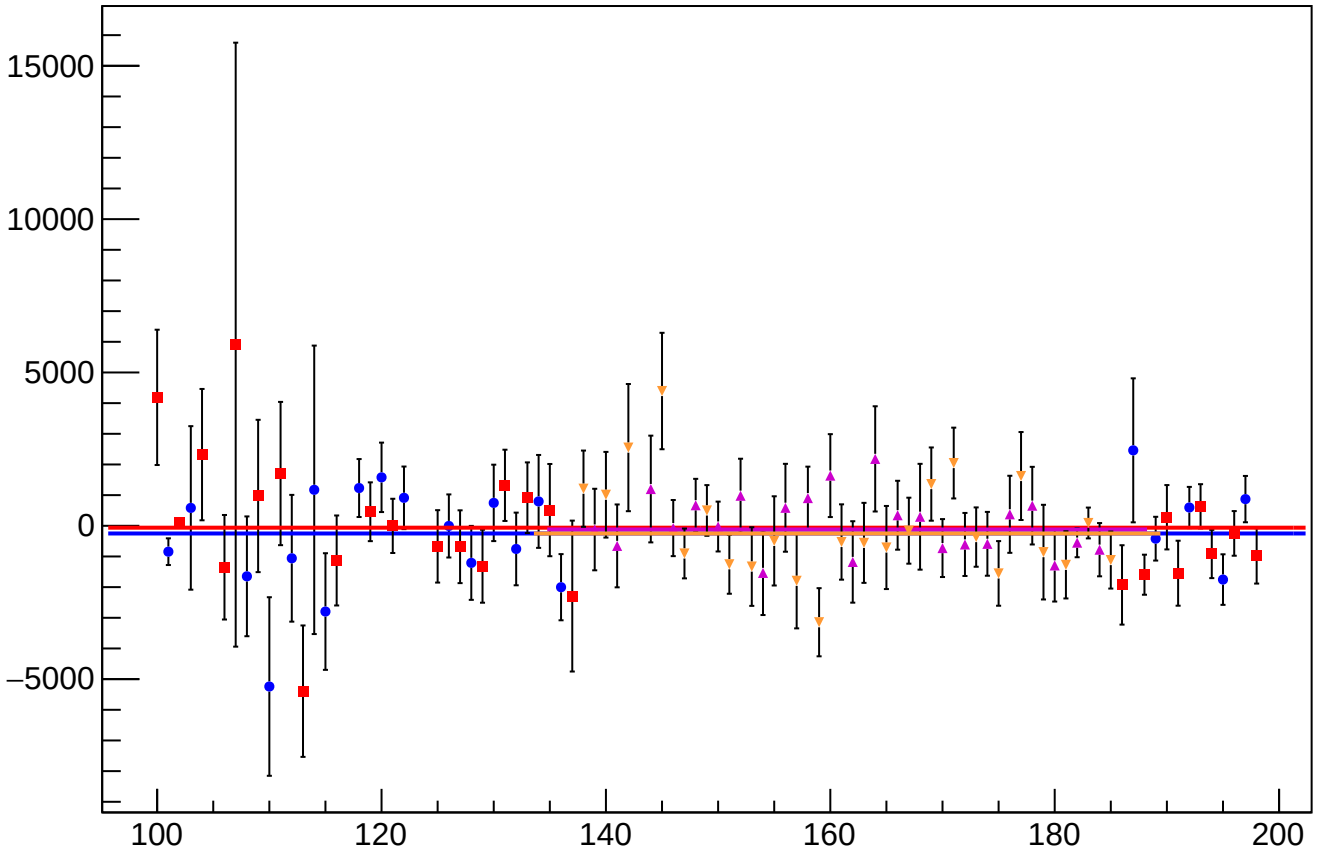
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1524.875+/-0.224 χ^2/NDF: 359532.6/46

In: 1484.440+/-0.195 χ^2/NDF:153731.6/43

Out: 1495.846+/-0.190 χ^2/NDF:249528.1/49

All: 1490.306+/-0.136 χ^2/NDF: 405016.4/93



Right In: -250.440+/-217.810 χ^2/NDF: 26.9/20

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -61.435+/-125.196 χ^2/NDF: 32.4/25

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

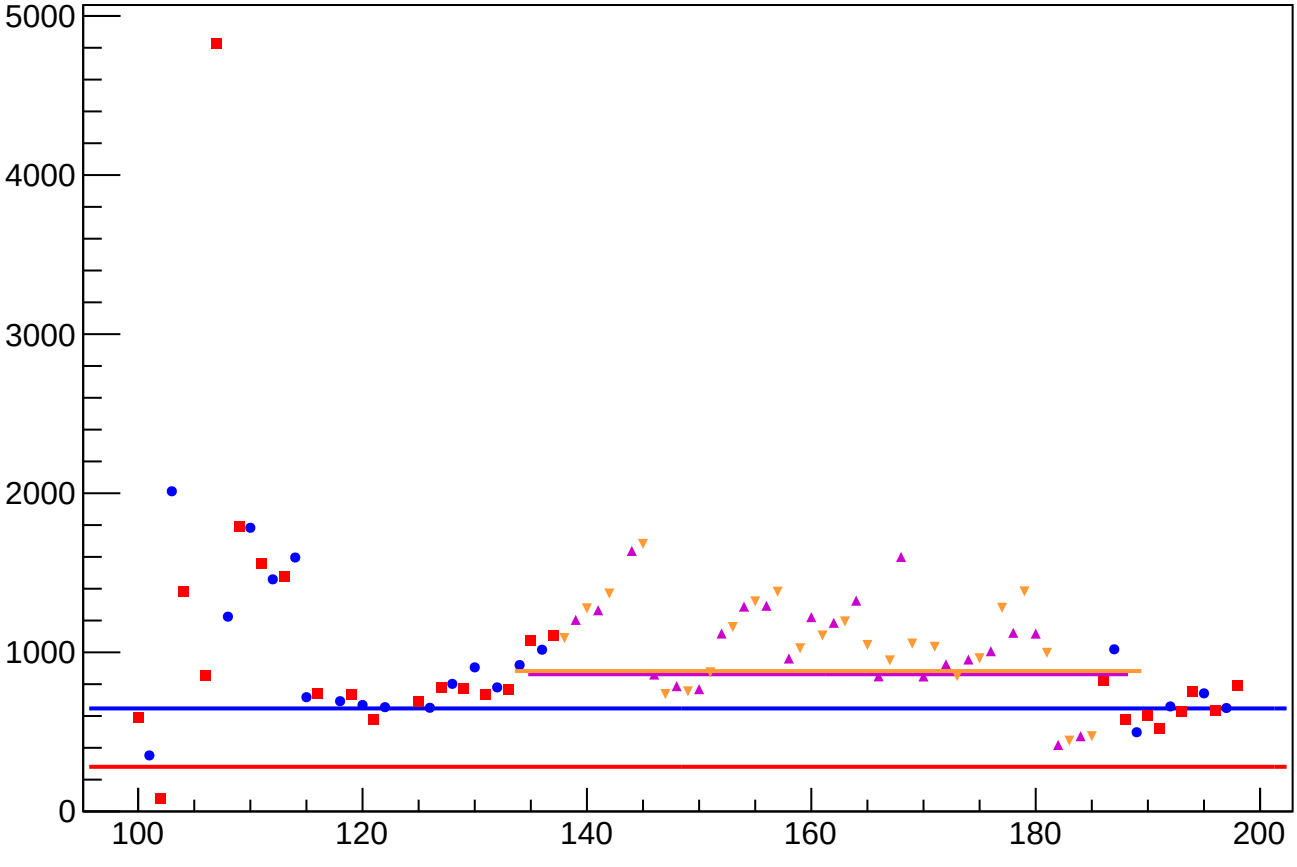
Right: -108.372+/-108.543 χ^2/NDF: 59.9/46

In: -184.590+/-153.362 χ^2/NDF:40.0/43

Out: -108.477+/-108.612 χ^2/NDF:65.6/49

All: -133.900+/-88.635 χ^2/NDF: 105.8/93

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 647.487+/-0.154 χ^2/NDF: 2928329.2/20

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 280.650+/-0.089 χ^2/NDF: 13343608.3/25

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

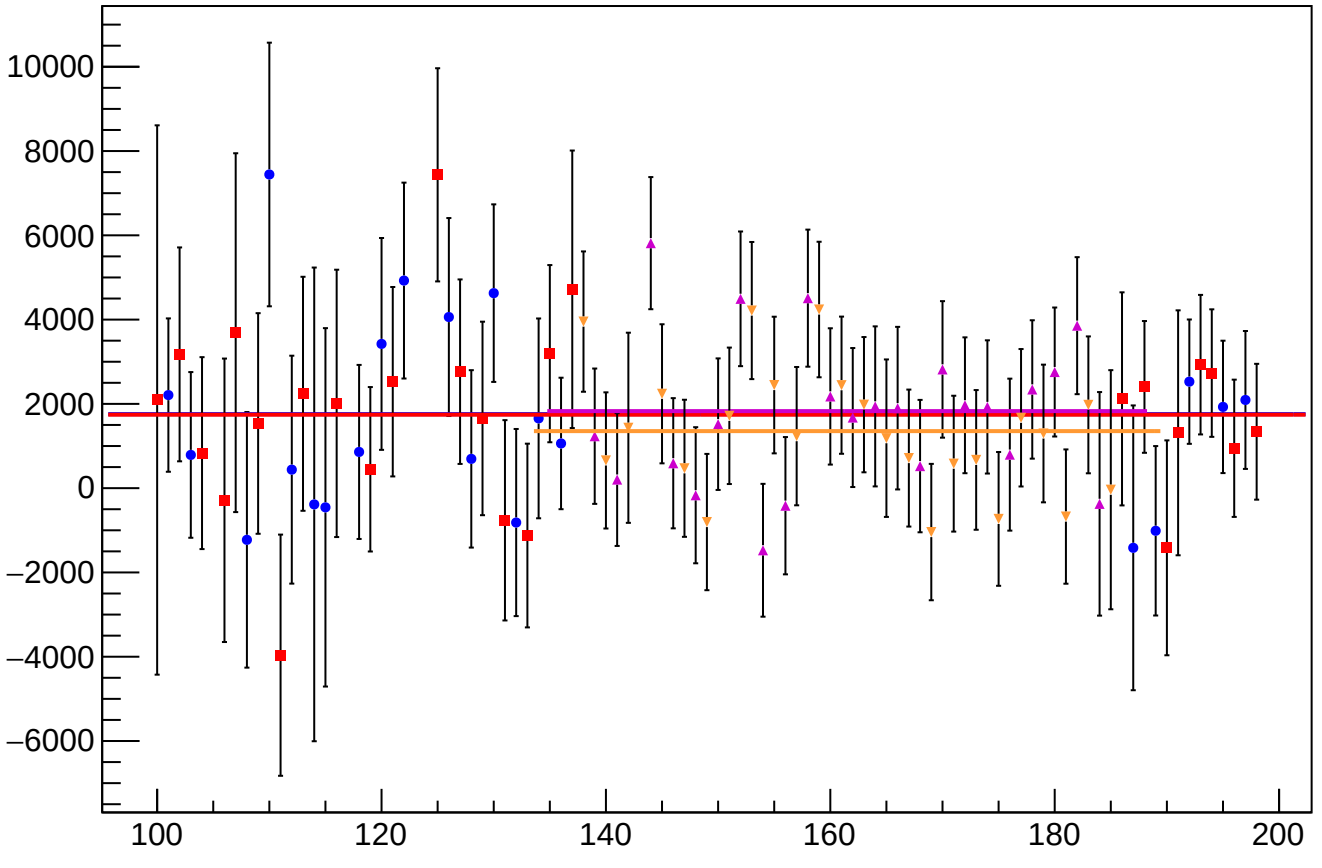
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 371.750+/-0.077 χ^2/NDF: 20536183.4/46

In: 755.802+/-0.108 χ^2/NDF:8278646.2/43

Out: 429.520+/-0.077 χ^2/NDF:28676254.7/49

All: 538.505+/-0.063 χ^2/NDF: 42983832.6/93



Right In: 1756.353+/-467.769 χ^2/NDF: 15.4/20

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: 1743.737+/-441.294 χ^2/NDF: 18.1/25

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

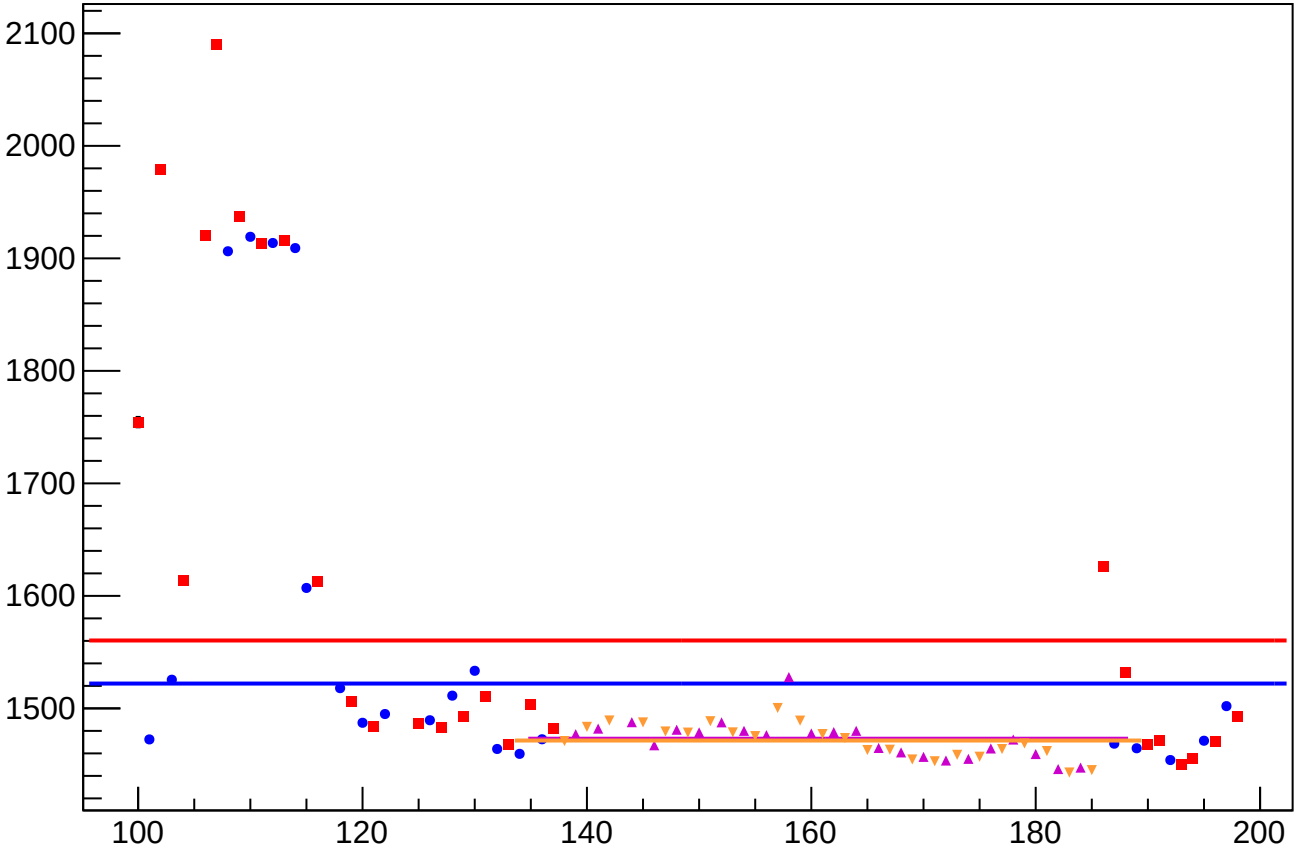
Right: 1749.678+/-320.994 χ^2/NDF: 33.5/46

In: 1803.019+/-277.104 χ^2/NDF:41.3/43

Out: 1499.818+/-270.110 χ^2/NDF:37.5/49

All: 1647.544+/-193.422 χ^2/NDF: 79.4/93

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1522.073+/-0.331 χ^2/NDF: 132765.7/20

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1560.353+/-0.312 χ^2/NDF: 267846.0/25

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

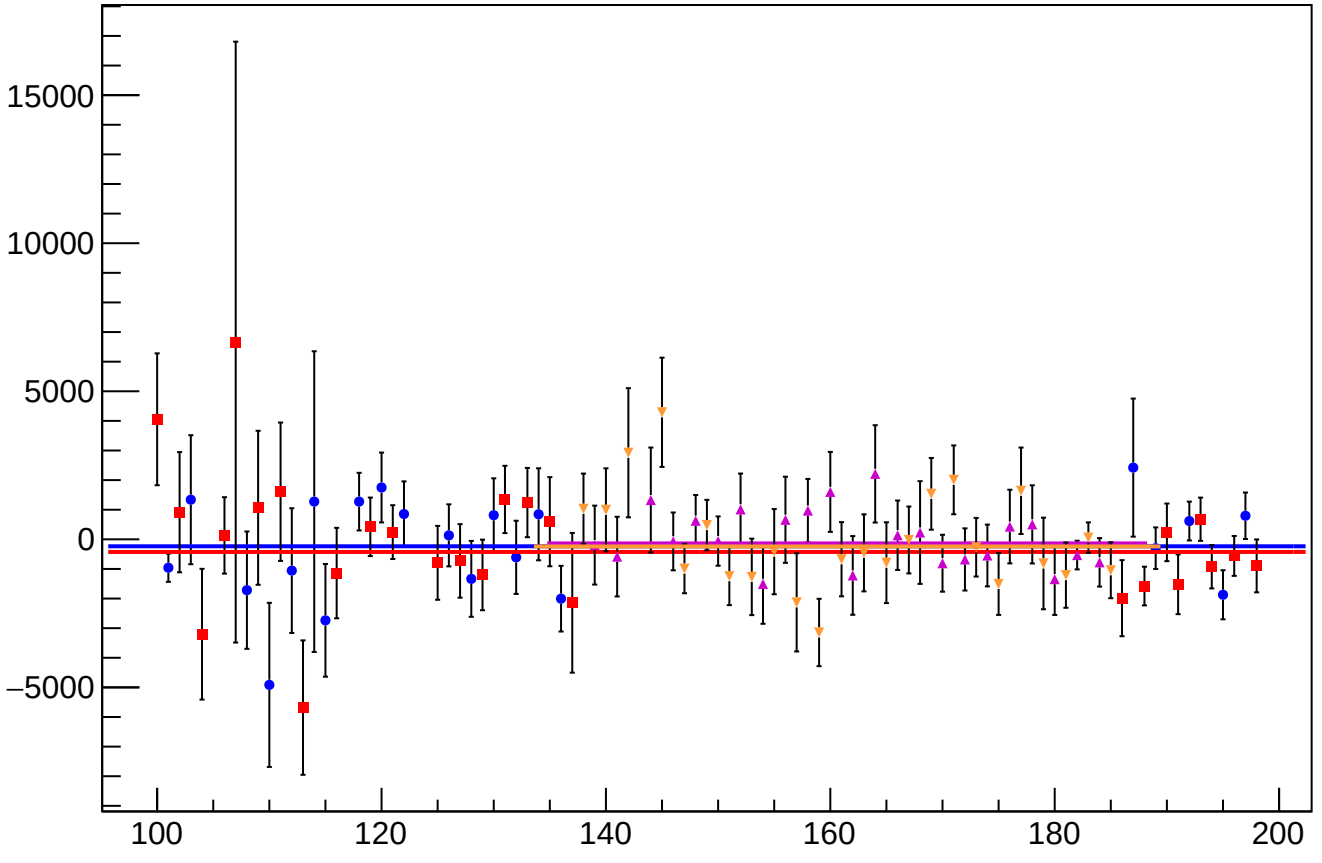
Right: 1542.327+/-0.227 χ^2/NDF: 407698.3/46

In: 1490.253+/-0.196 χ^2/NDF:151775.8/43

Out: 1504.749+/-0.191 χ^2/NDF:322058.7/49

All: 1497.686+/-0.137 χ^2/NDF: 476641.1/93

asym_usl_atl1_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -234.657+/-224.749 χ^2/NDF: 27.7/20

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: -425.717+/-219.481 χ^2/NDF: 30.0/25

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

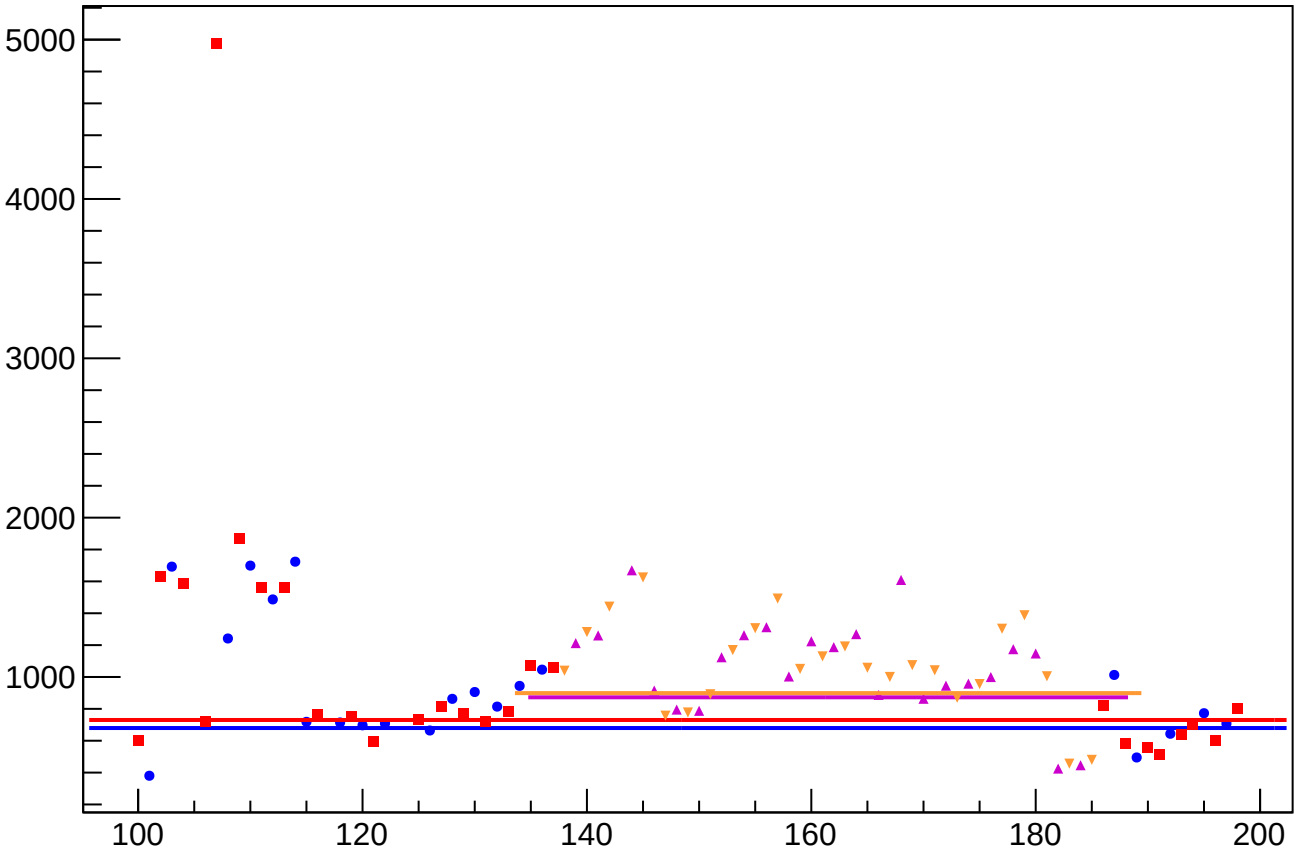
Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

Right: -332.452+/-157.026 χ^2/NDF: 58.1/46

In: -185.178+/-156.657 χ^2/NDF:40.8/43

Out: -333.961+/-156.006 χ^2/NDF:62.8/49

All: -259.879+/-110.542 χ^2/NDF: 104.1/93



Right In: 679.675+/-0.159 χ^2/NDF: 2656436.0/20

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 730.165+/-0.155 χ^2/NDF: 2549205.4/25

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

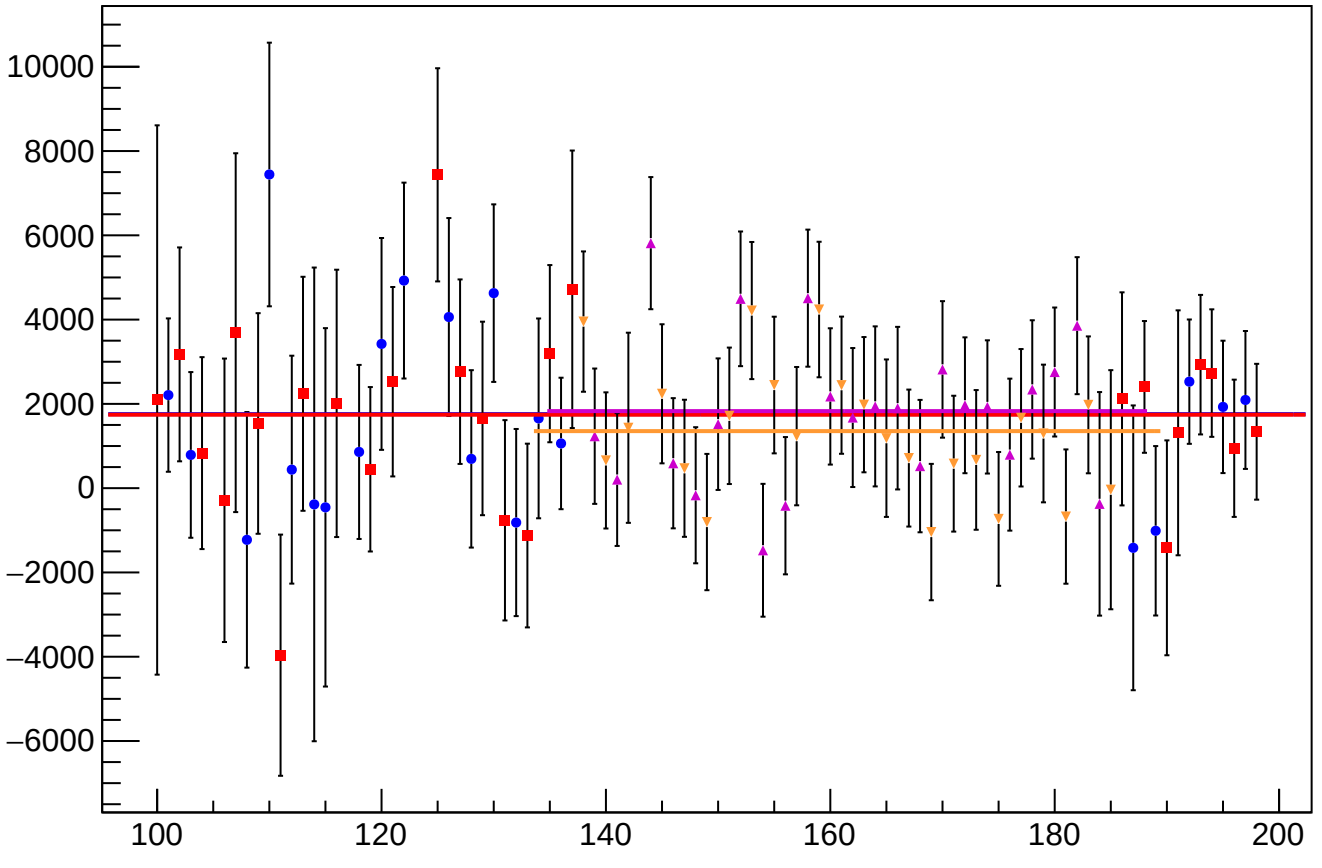
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 705.518+/-0.111 χ^2/NDF: 5257306.1/46

In: 778.801+/-0.111 χ^2/NDF:7848651.6/43

Out: 813.625+/-0.110 χ^2/NDF:6925241.2/49

All: 796.286+/-0.078 χ^2/NDF: 14823515.4/93



Right In: 1756.352+/-467.769 χ^2/NDF: 15.4/20

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: 1743.735+/-441.294 χ^2/NDF: 18.1/25

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

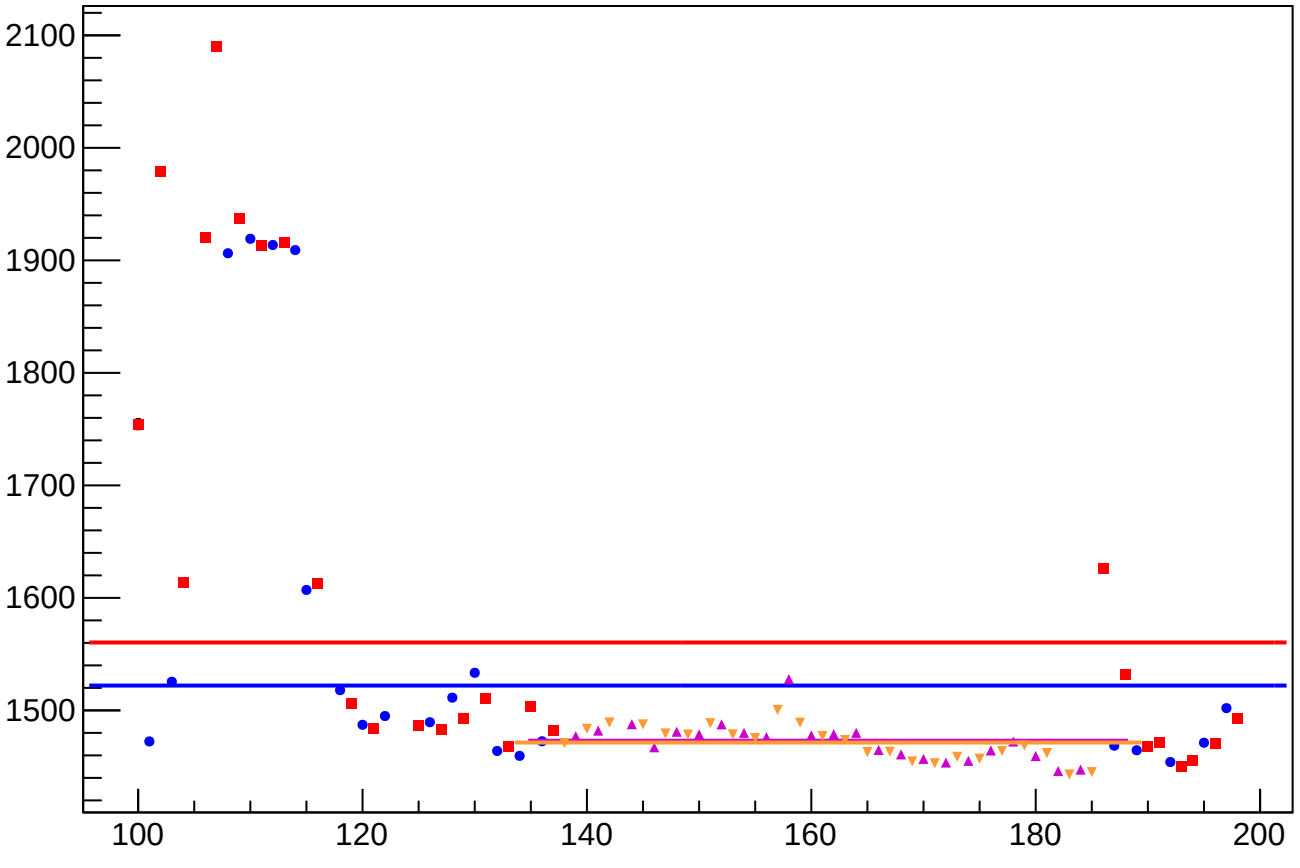
Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

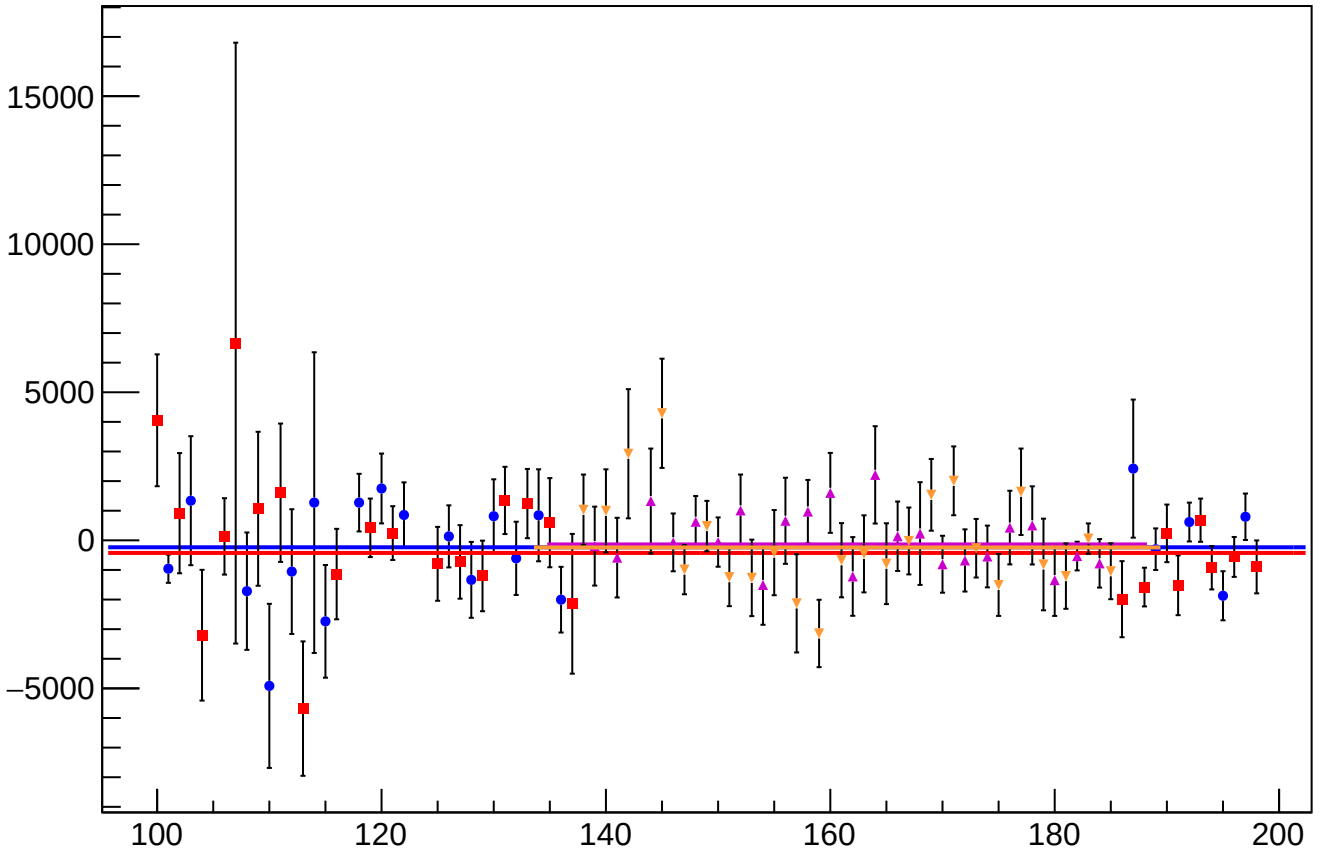
Right: 1749.676+/-320.994 χ^2/NDF: 33.5/46

In: 1803.019+/-277.104 χ^2/NDF:41.3/43

Out: 1499.817+/-270.110 χ^2/NDF:37.5/49

All: 1647.543+/-193.422 χ^2/NDF: 79.4/93


eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected
2100
2000
1900
1800
1700
1600
1500
100
120
140
160
180
200
Right In: 1522.073+/-0.331 χ²/NDF: 132765.7/20
Left Out: 1471.437+/-0.242 χ²/NDF:3436.8/23
Right Out: 1560.353+/-0.312 χ²/NDF: 267845.7/25
Left In: 1473.049+/-0.243 χ²/NDF:4751.3/22
Left: 1472.237+/-0.171 χ²/NDF: 8210.2/46
Right: 1542.327+/-0.227 χ²/NDF: 407697.9/46
In: 1490.253+/-0.196 χ²/NDF:151775.7/43
Out: 1504.749+/-0.191 χ²/NDF:322058.2/49
All: 1497.686+/-0.137 χ²/NDF: 476640.5/93



Right In: -234.656+/-224.749 χ^2/NDF: 27.7/20

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: -425.716+/-219.481 χ^2/NDF: 30.0/25

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

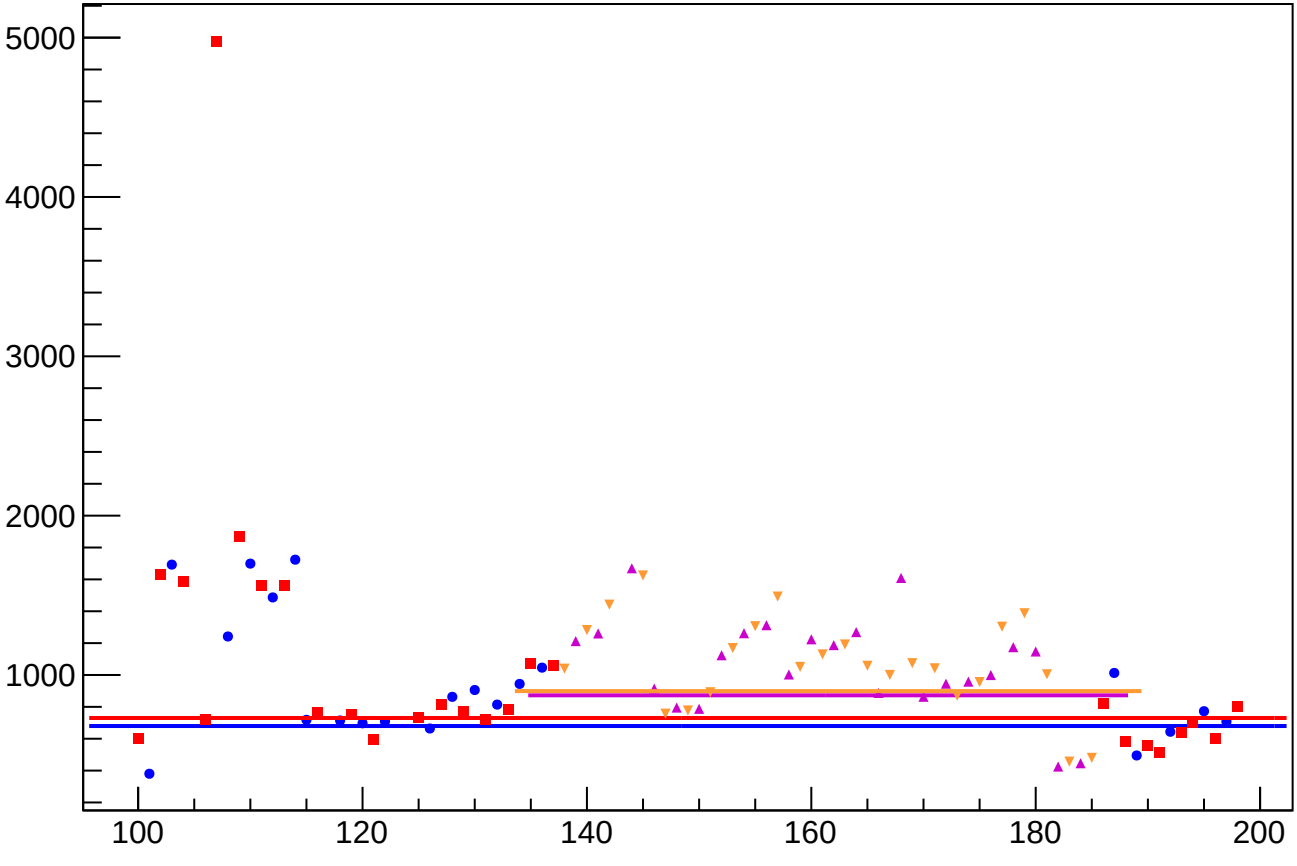
Right: -332.451+/-157.026 χ^2/NDF: 58.1/46

In: -185.178+/-156.657 χ^2/NDF:40.8/43

Out: -333.962+/-156.006 χ^2/NDF:62.8/49

All: -259.880+/-110.542 χ^2/NDF: 104.1/93

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 679.675+/-0.159 χ^2/NDF: 2656429.2/20

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 730.165+/-0.155 χ^2/NDF: 2549207.9/25

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

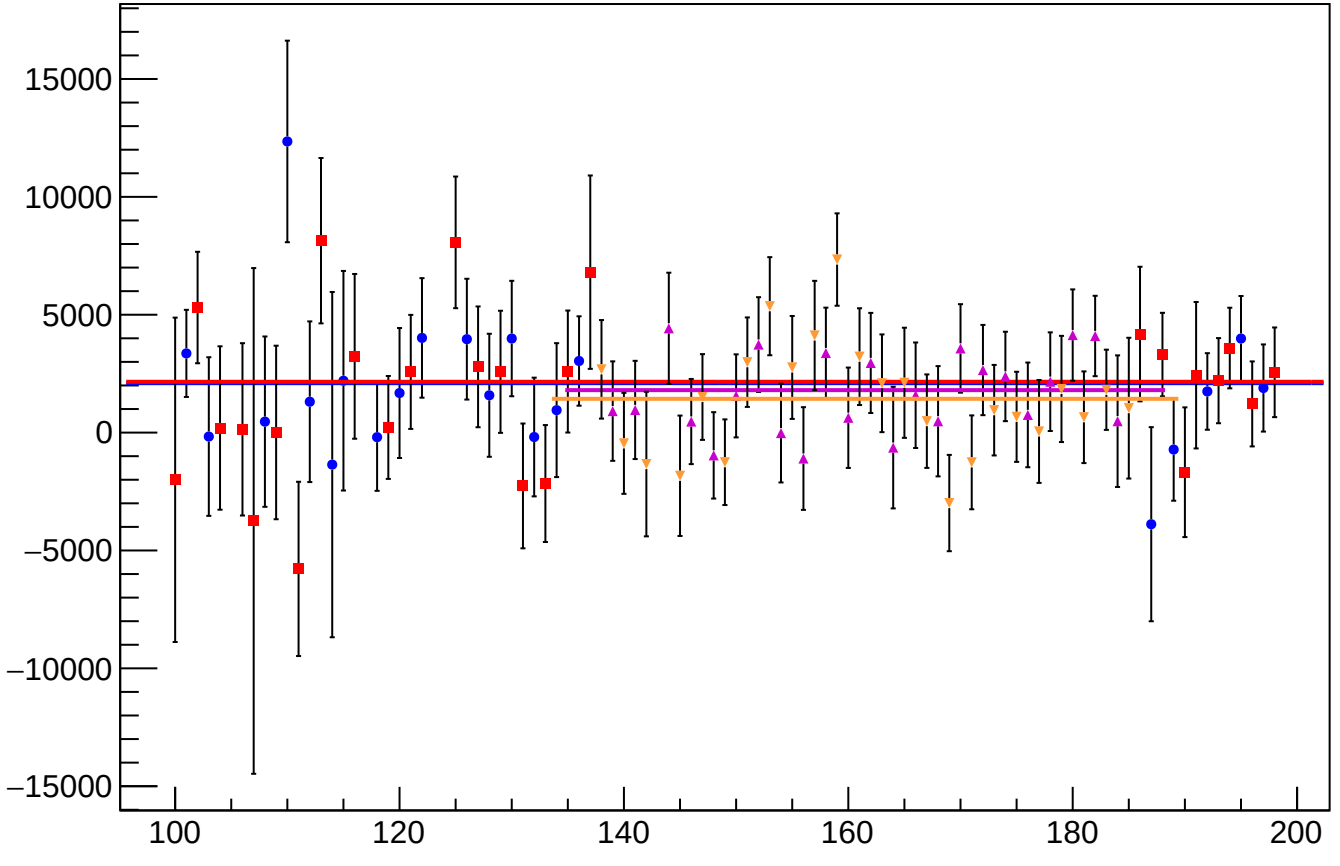
Right: 705.518+/-0.111 χ^2/NDF: 5257301.0/46

In: 778.801+/-0.111 χ^2/NDF:7848658.4/43

Out: 813.625+/-0.110 χ^2/NDF:6925260.0/49

All: 796.286+/-0.078 χ^2/NDF: 14823540.3/93

asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 2097.344+/-540.761 χ^2/NDF: 16.1/20

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: 2156.364+/-505.625 χ^2/NDF: 27.4/25

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

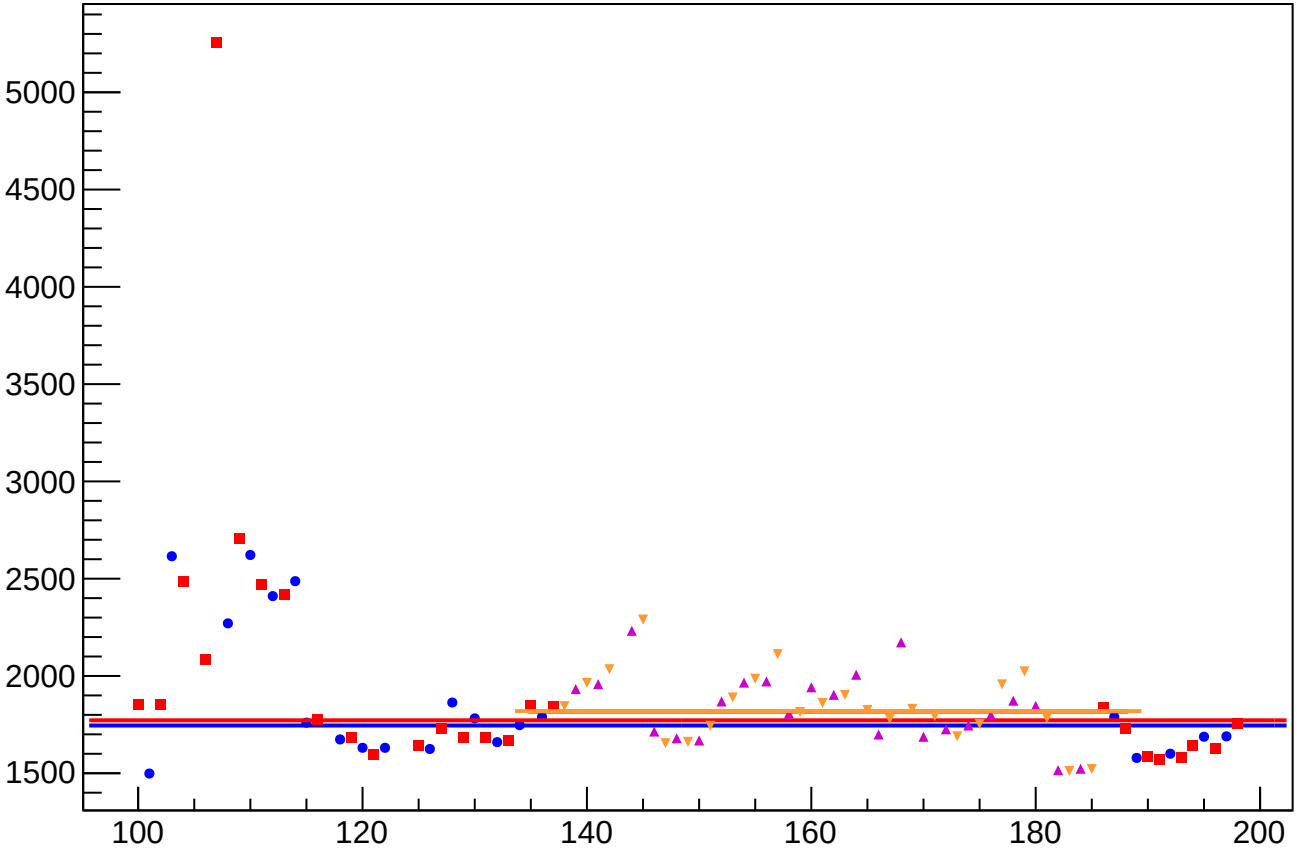
Right: 2128.834+/-369.328 χ^2/NDF: 43.6/46

In: 1914.976+/-334.870 χ^2/NDF:31.6/43

Out: 1732.223+/-325.097 χ^2/NDF:58.0/49

All: 1820.894+/-233.257 χ^2/NDF: 89.8/93

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1745.352+/-0.382 χ^2/NDF: 446232.0/20

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1772.077+/-0.358 χ^2/NDF: 678226.2/25

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

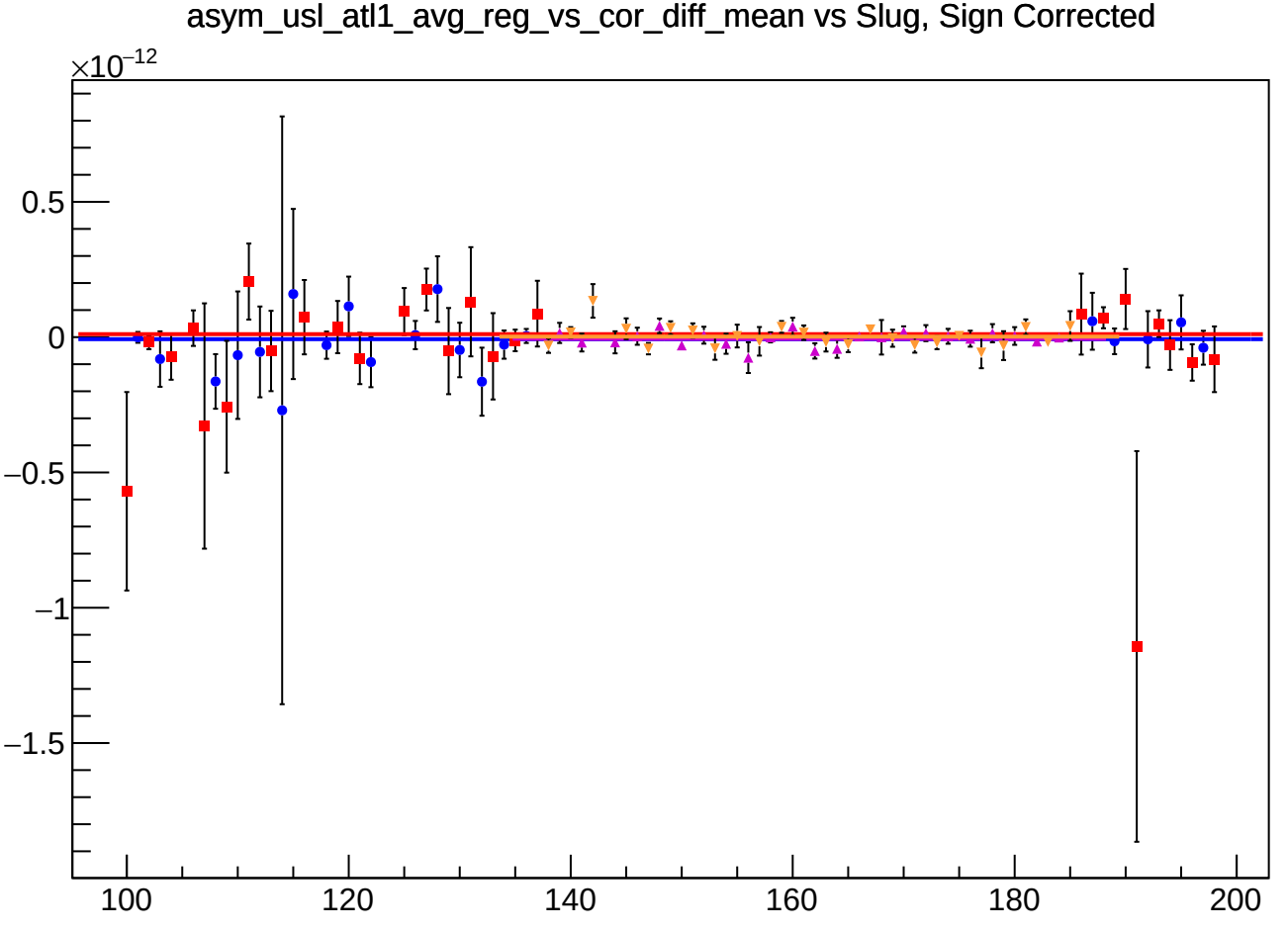
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1759.611+/-0.261 χ^2/NDF: 1127064.5/46

In: 1789.612+/-0.237 χ^2/NDF:775066.8/43

Out: 1799.847+/-0.230 χ^2/NDF:983525.8/49

All: 1794.881+/-0.165 χ^2/NDF: 1759554.4/93



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.4/25

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

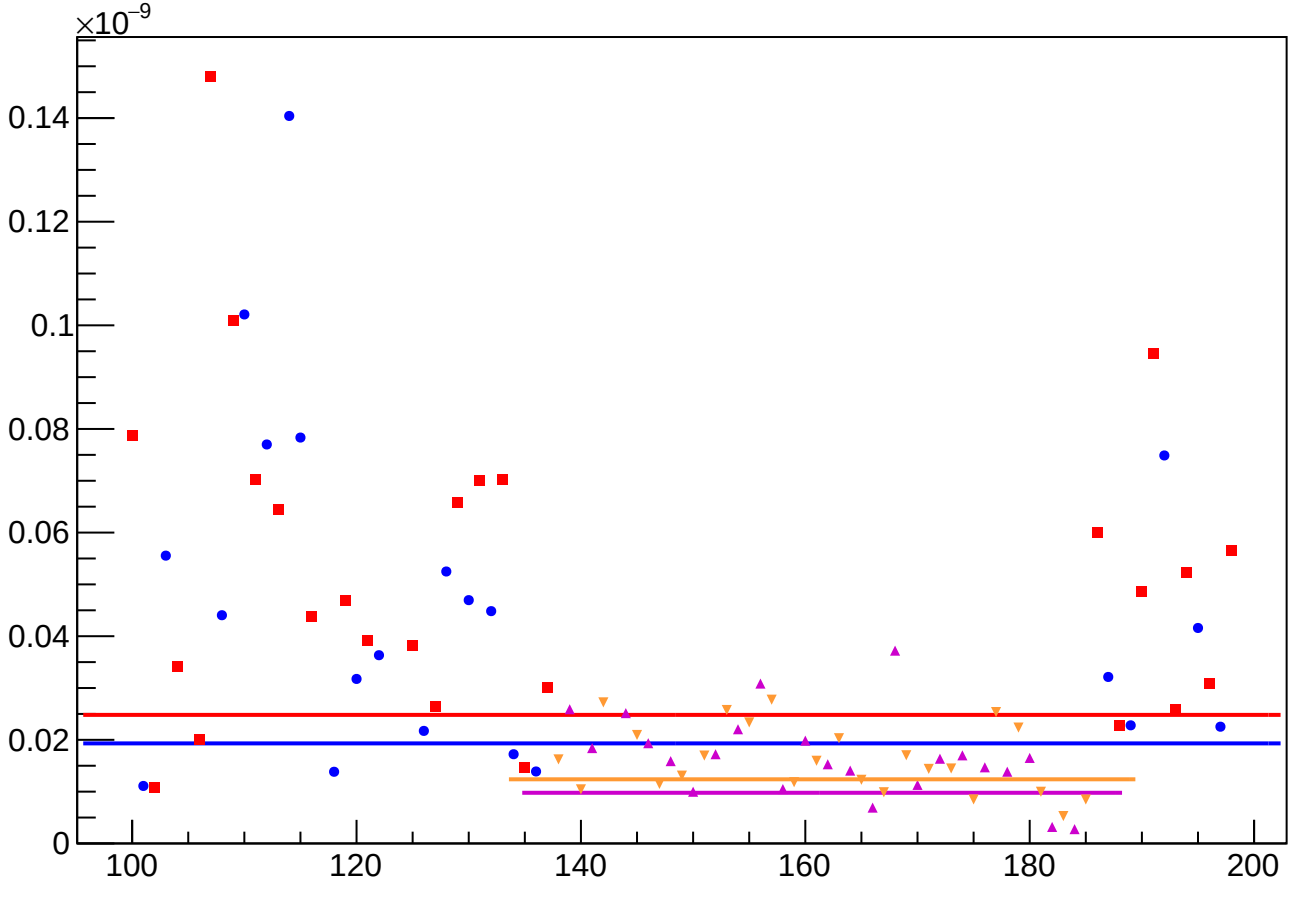
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 39.7/46

In: -0.000+/-0.000 χ^2/NDF:29.3/43

Out: 0.000+/-0.000 χ^2/NDF:57.1/49

All: -0.000+/-0.000 χ^2/NDF: 88.4/93



Right In: 0.000+/-0.000 χ^2/NDF: 2595389.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2711975.8/25

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

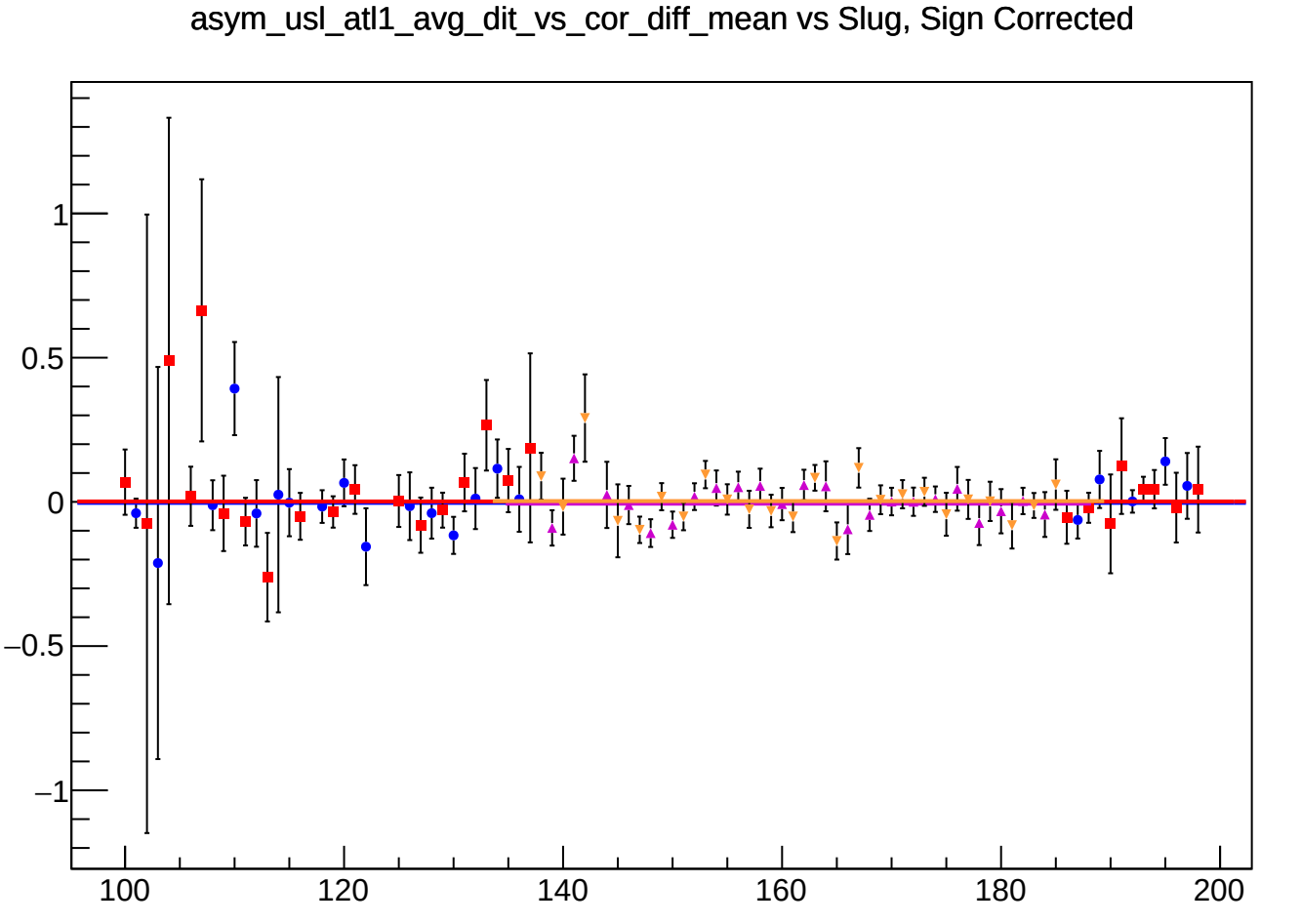
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 5481723.7/46

In: 0.000+/-0.000 χ^2/NDF:8171053.6/43

Out: 0.000+/-0.000 χ^2/NDF:5968509.4/49

All: 0.000+/-0.000 χ^2/NDF: 14532656.6/93



Right In: -0.003+/-0.018 χ^2/NDF: 18.4/20

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.018 χ^2/NDF: 15.4/25

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

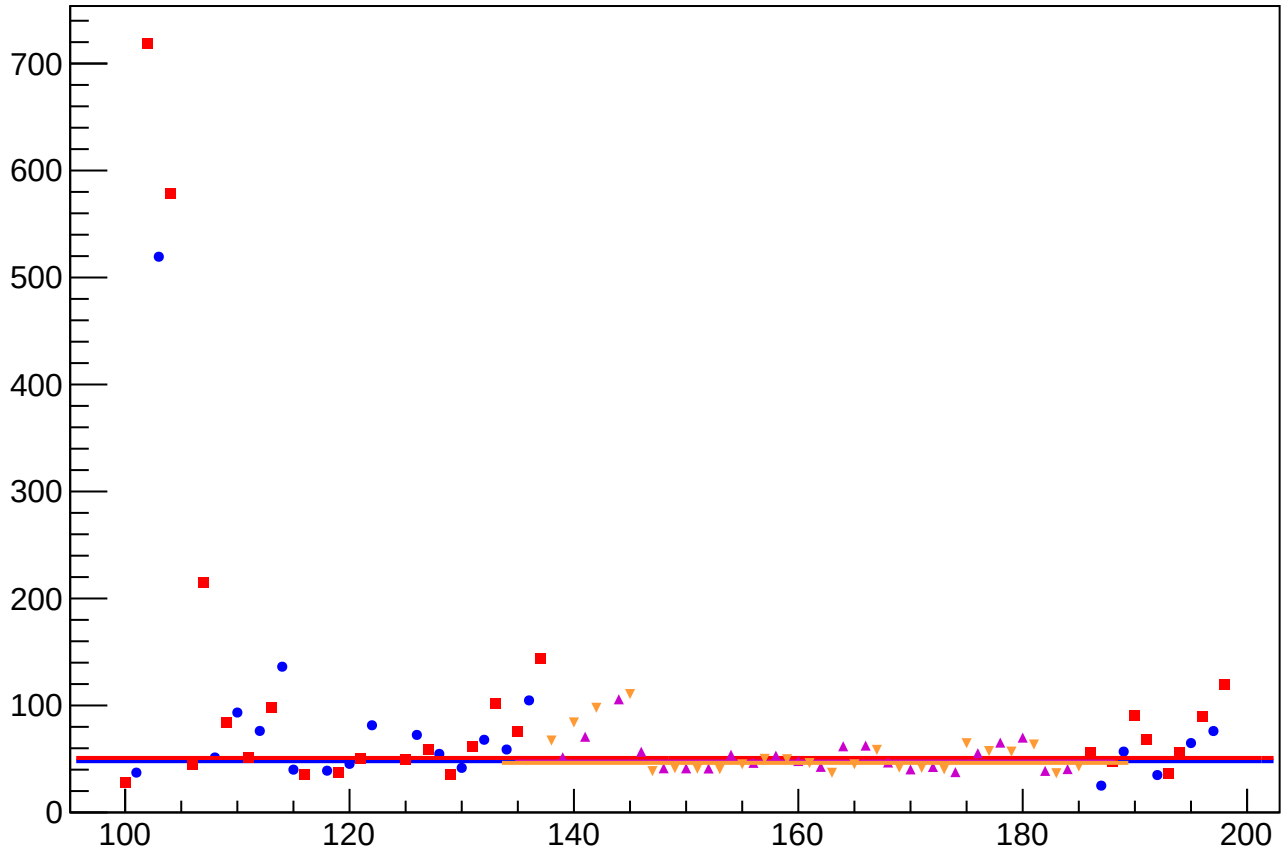
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.001+/-0.013 χ^2/NDF: 33.9/46

In: -0.005+/-0.010 χ^2/NDF:40.1/43

Out: 0.002+/-0.010 χ^2/NDF:45.3/49

All: -0.001+/-0.007 χ^2/NDF: 85.7/93



Right In: 47.908+/-0.013 χ^2/NDF: 3037346.5/20

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 50.948+/-0.012 χ^2/NDF: 4062142.3/25

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

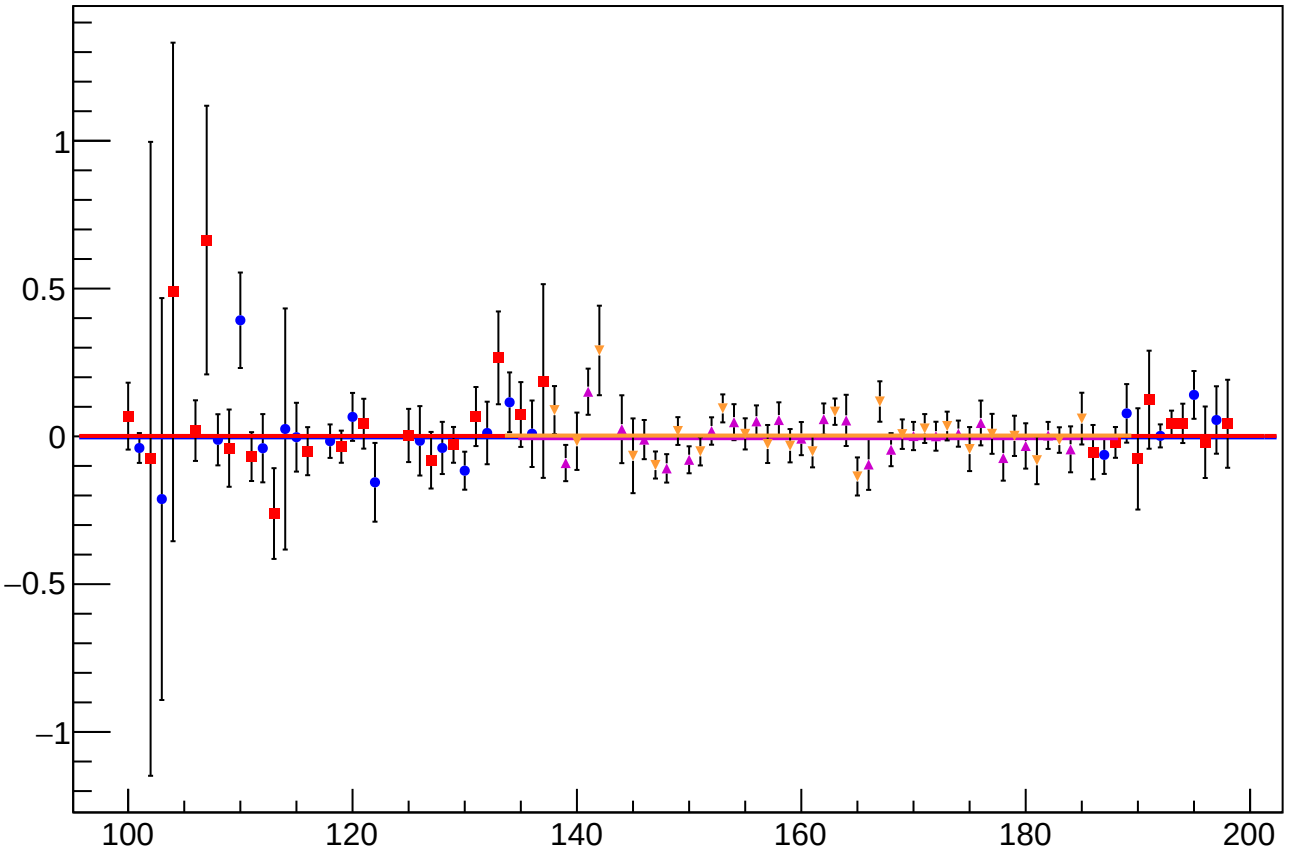
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 49.437+/-0.009 χ^2/NDF: 7129060.6/46

In: 47.681+/-0.007 χ^2/NDF:4614023.2/43

Out: 47.791+/-0.007 χ^2/NDF:6123250.3/49

All: 47.737+/-0.005 χ^2/NDF: 10737395.1/93



Right In: -0.003+/-0.018 χ^2/NDF: 18.4/20

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.018 χ^2/NDF: 15.4/25

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

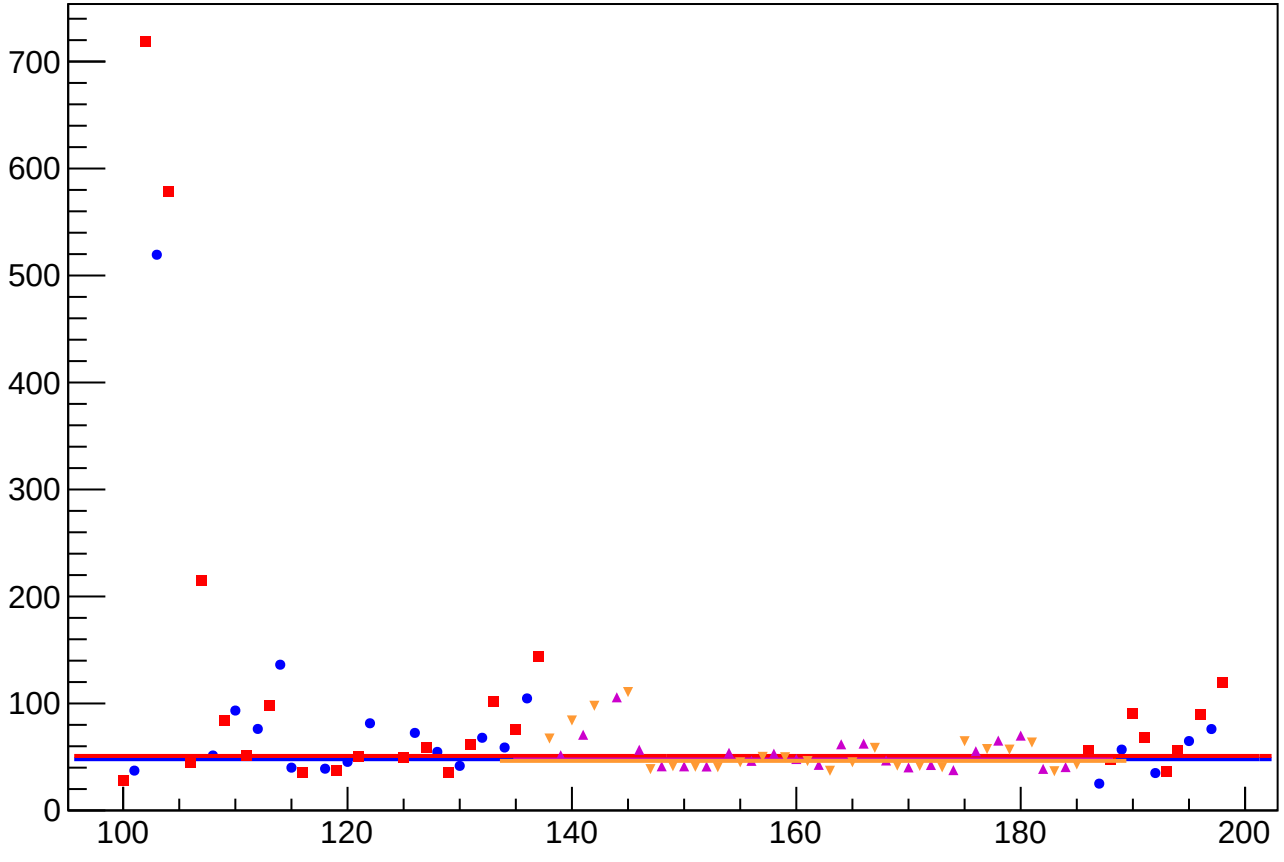
Right: -0.001+/-0.013 χ^2/NDF: 33.9/46

In: -0.005+/-0.010 χ^2/NDF:40.1/43

Out: 0.002+/-0.010 χ^2/NDF:45.3/49

All: -0.001+/-0.007 χ^2/NDF: 85.7/93

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.908+/-0.013 χ^2/NDF: 3037346.5/20

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 50.948+/-0.012 χ^2/NDF: 4062142.3/25

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

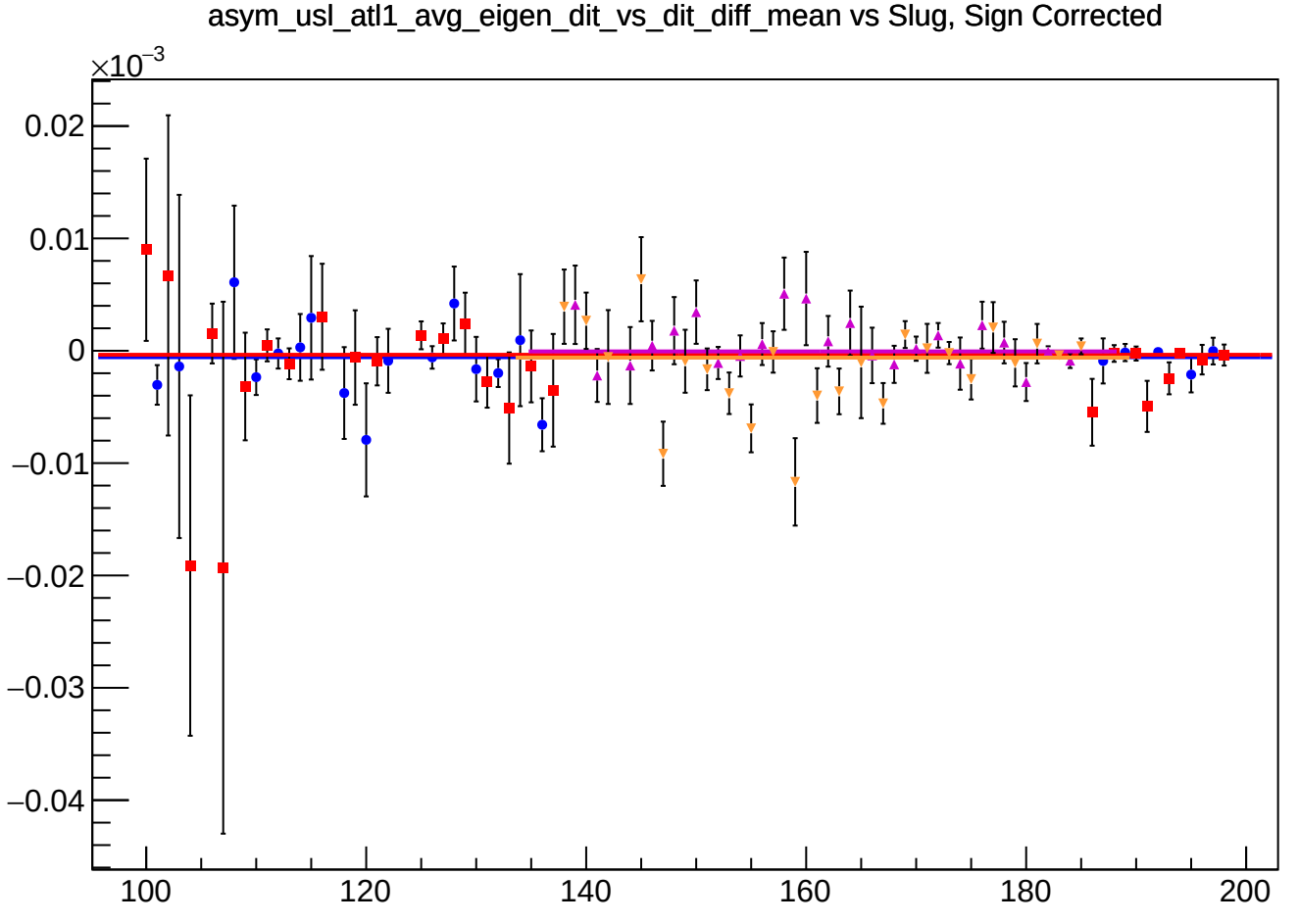
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 49.437+/-0.009 χ^2/NDF: 7129060.6/46

In: 47.681+/-0.007 χ^2/NDF:4614023.2/43

Out: 47.791+/-0.007 χ^2/NDF:6123250.3/49

All: 47.737+/-0.005 χ^2/NDF: 10737395.1/93



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

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: 73.8/46

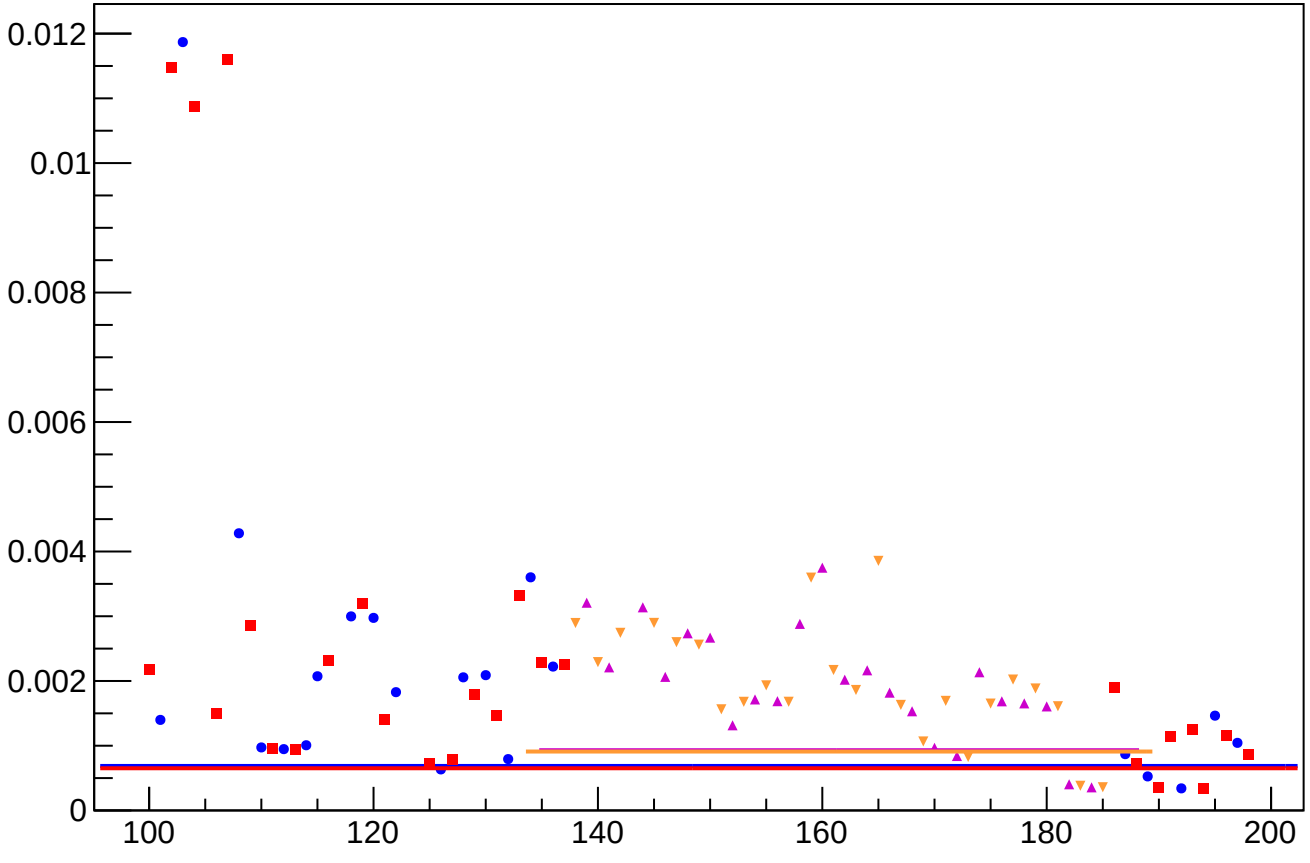
Right: -0.000+/-0.000 χ^2/NDF: 42.5/46

In: -0.000+/-0.000 χ^2/NDF:39.9/43

Out: -0.000+/-0.000 χ^2/NDF:76.2/49

All: -0.000+/-0.000 χ^2/NDF: 116.4/93

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7995035.8/20

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

Right Out: 0.001+/-0.000 χ^2/NDF: 9588504.6/25

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

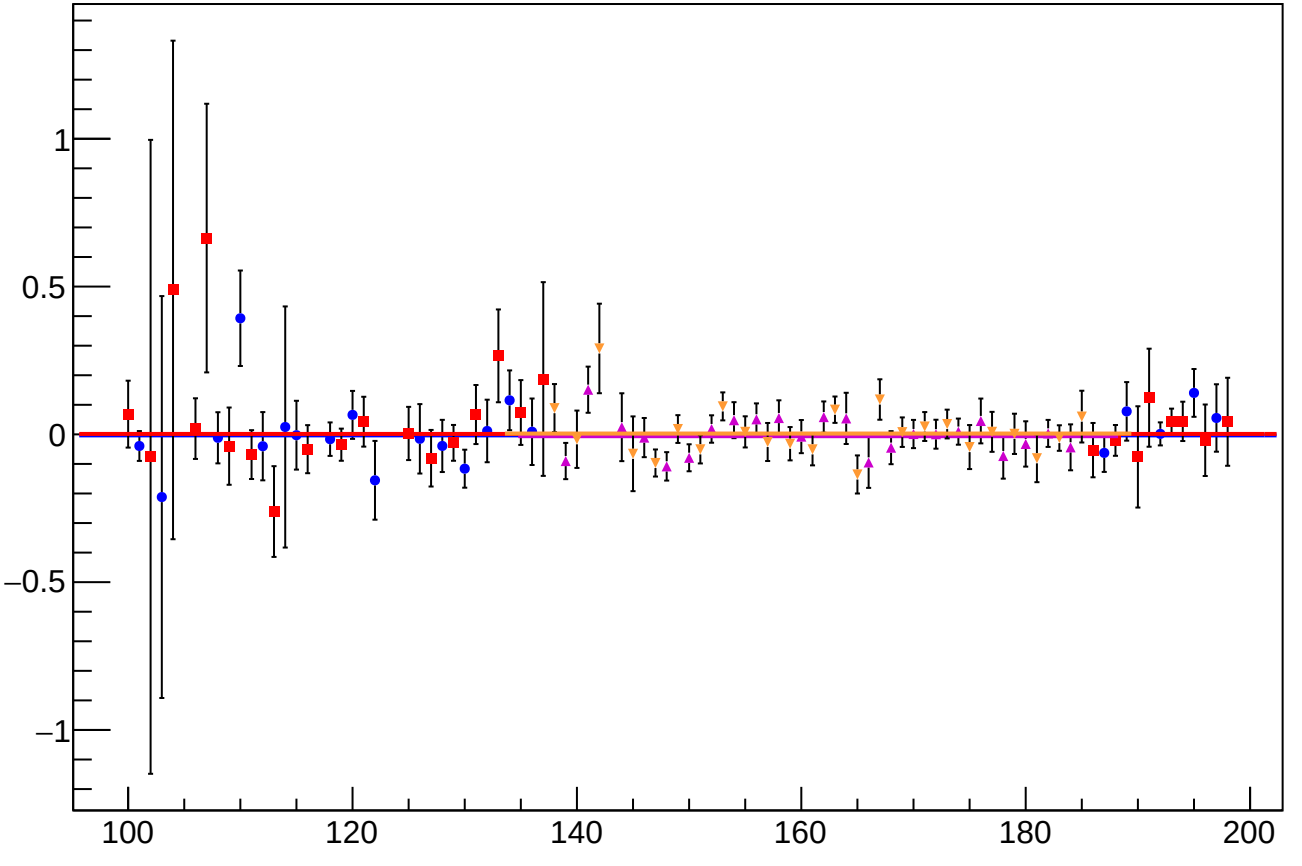
Right: 0.001+/-0.000 χ^2/NDF: 17602140.3/46

In: 0.001+/-0.000 χ^2/NDF:22436384.1/43

Out: 0.001+/-0.000 χ^2/NDF:24709962.3/49

All: 0.001+/-0.000 χ^2/NDF: 47201981.9/93

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.018 χ^2/NDF: 18.4/20

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.018 χ^2/NDF: 15.4/25

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

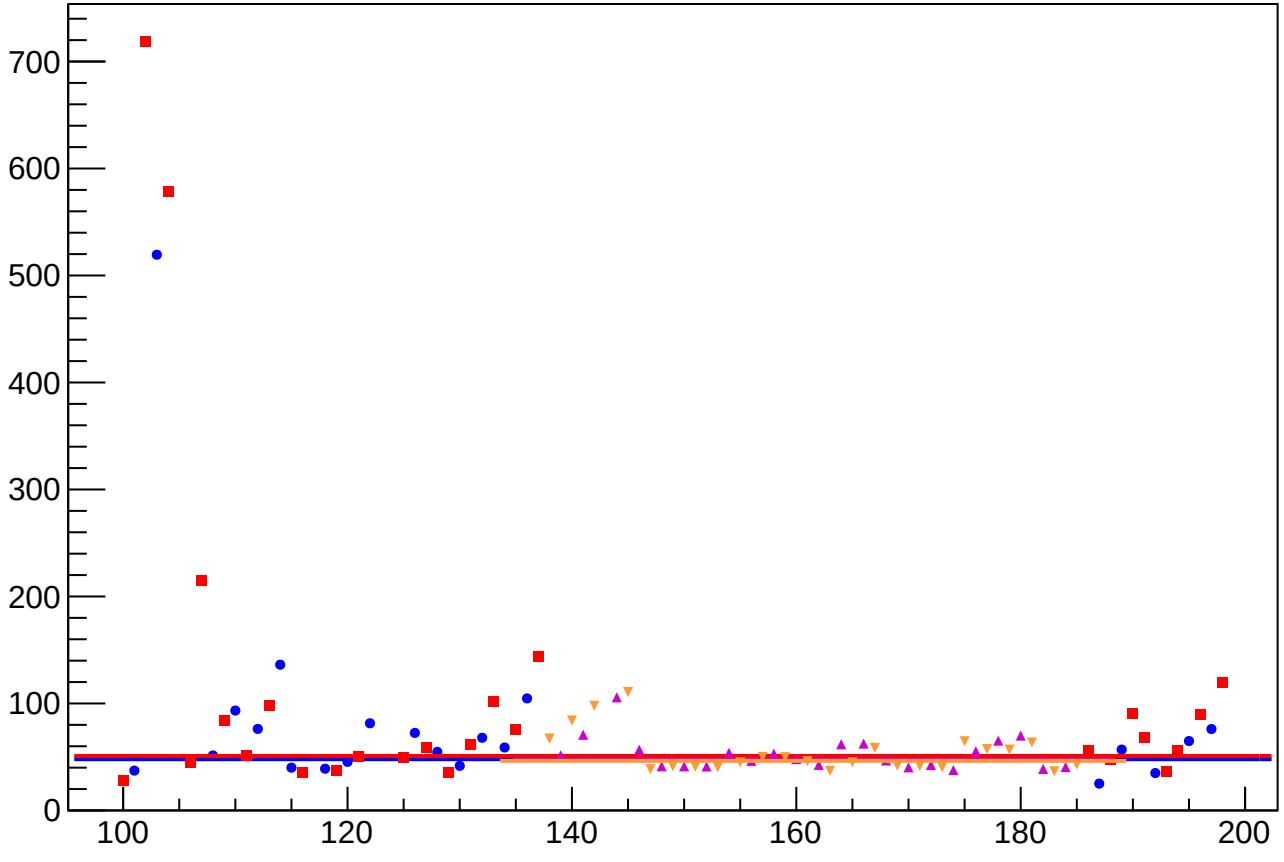
Right: -0.001+/-0.013 χ^2/NDF: 33.9/46

In: -0.005+/-0.010 χ^2/NDF:40.1/43

Out: 0.002+/-0.010 χ^2/NDF:45.3/49

All: -0.001+/-0.007 χ^2/NDF: 85.7/93

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.908+/-0.013 χ^2/NDF: 3037347.2/20

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 50.948+/-0.012 χ^2/NDF: 4062149.5/25

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

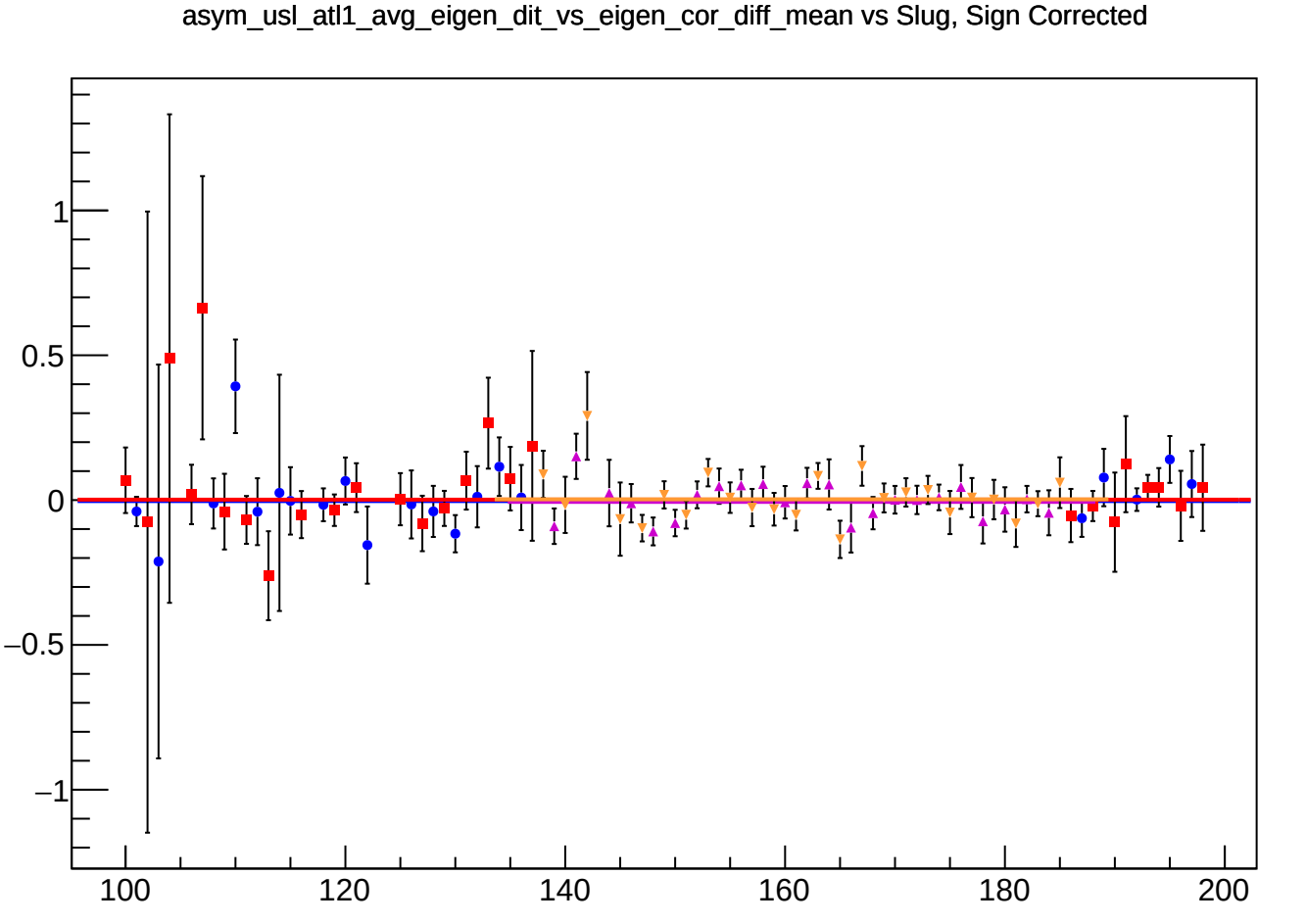
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 49.436+/-0.009 χ^2/NDF: 7129065.1/46

In: 47.681+/-0.007 χ^2/NDF:4614031.7/43

Out: 47.791+/-0.007 χ^2/NDF:6123228.6/49

All: 47.737+/-0.005 χ^2/NDF: 10737381.9/93



Right In: -0.003+/-0.018 χ^2/NDF: 18.4/20

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.018 χ^2/NDF: 15.4/25

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

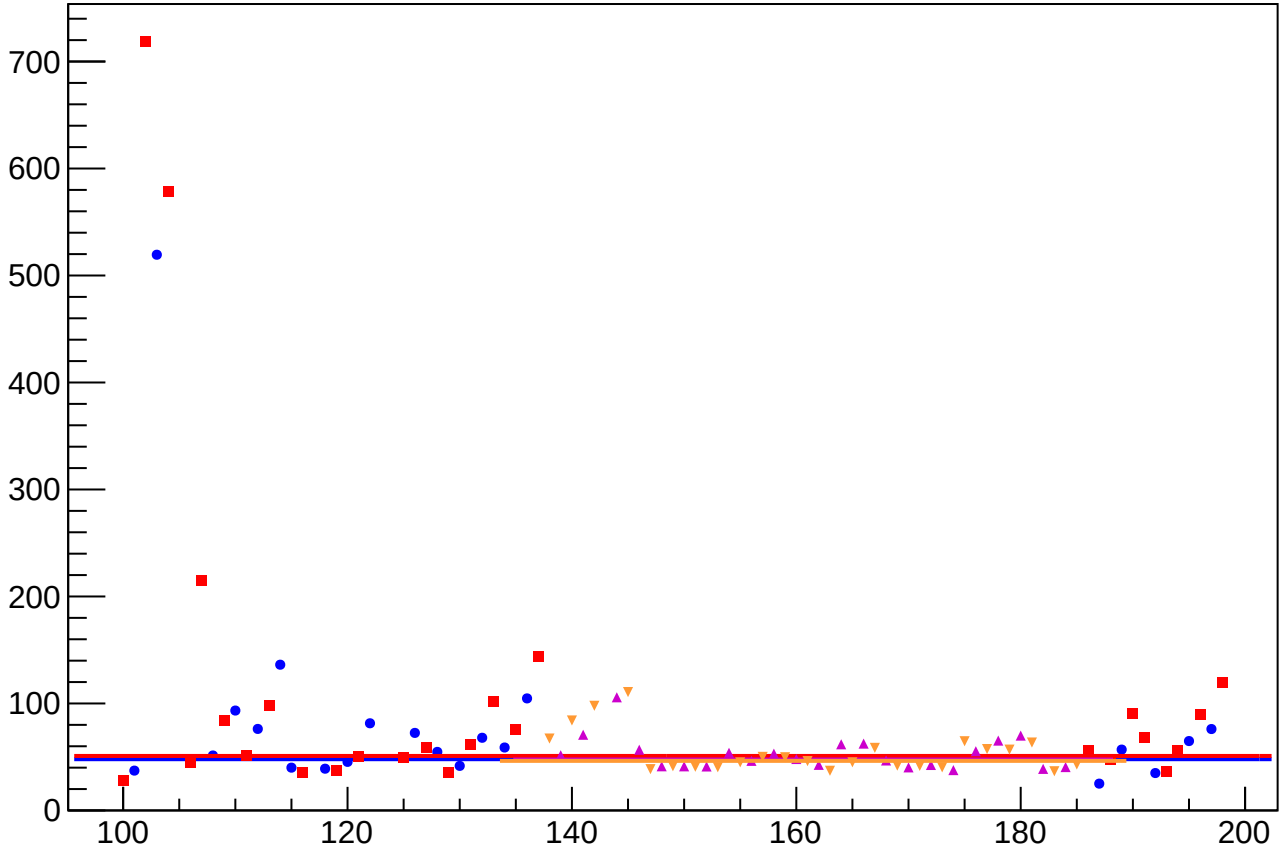
Right: -0.001+/-0.013 χ^2/NDF: 33.9/46

In: -0.005+/-0.010 χ^2/NDF:40.1/43

Out: 0.002+/-0.010 χ^2/NDF:45.3/49

All: -0.001+/-0.007 χ^2/NDF: 85.7/93

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.908+/-0.013 χ^2/NDF: 3037347.2/20

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 50.948+/-0.012 χ^2/NDF: 4062149.5/25

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

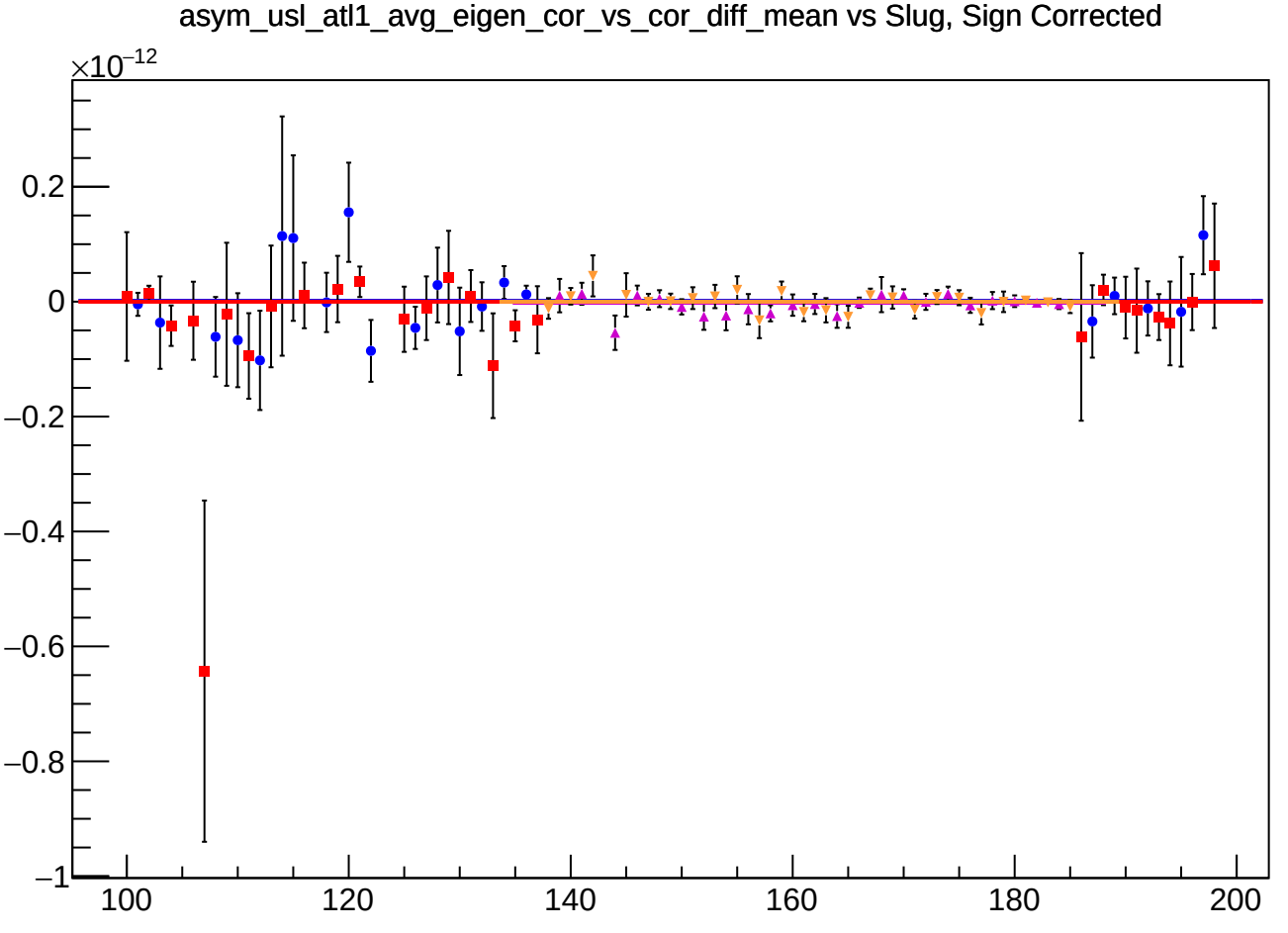
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 49.436+/-0.009 χ^2/NDF: 7129065.1/46

In: 47.681+/-0.007 χ^2/NDF:4614031.7/43

Out: 47.791+/-0.007 χ^2/NDF:6123228.6/49

All: 47.737+/-0.005 χ^2/NDF: 10737381.9/93



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/25

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

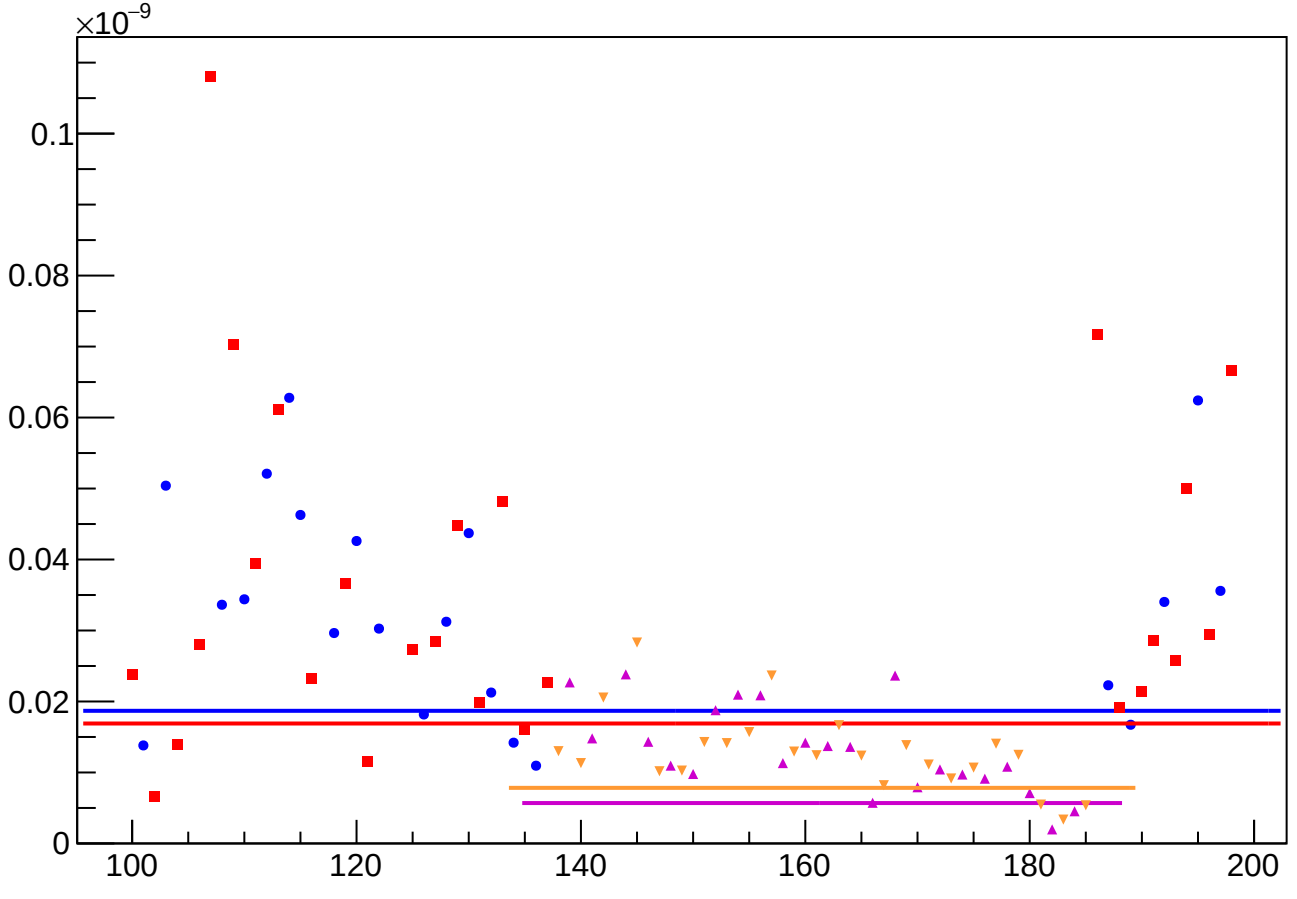
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: 0.000+/-0.000 χ^2/NDF: 35.4/46

In: -0.000+/-0.000 χ^2/NDF:30.9/43

Out: -0.000+/-0.000 χ^2/NDF:31.8/49

All: -0.000+/-0.000 χ^2/NDF: 63.0/93



Right In: 0.000+/-0.000 χ^2/NDF: 3029515.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4834432.9/25

Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

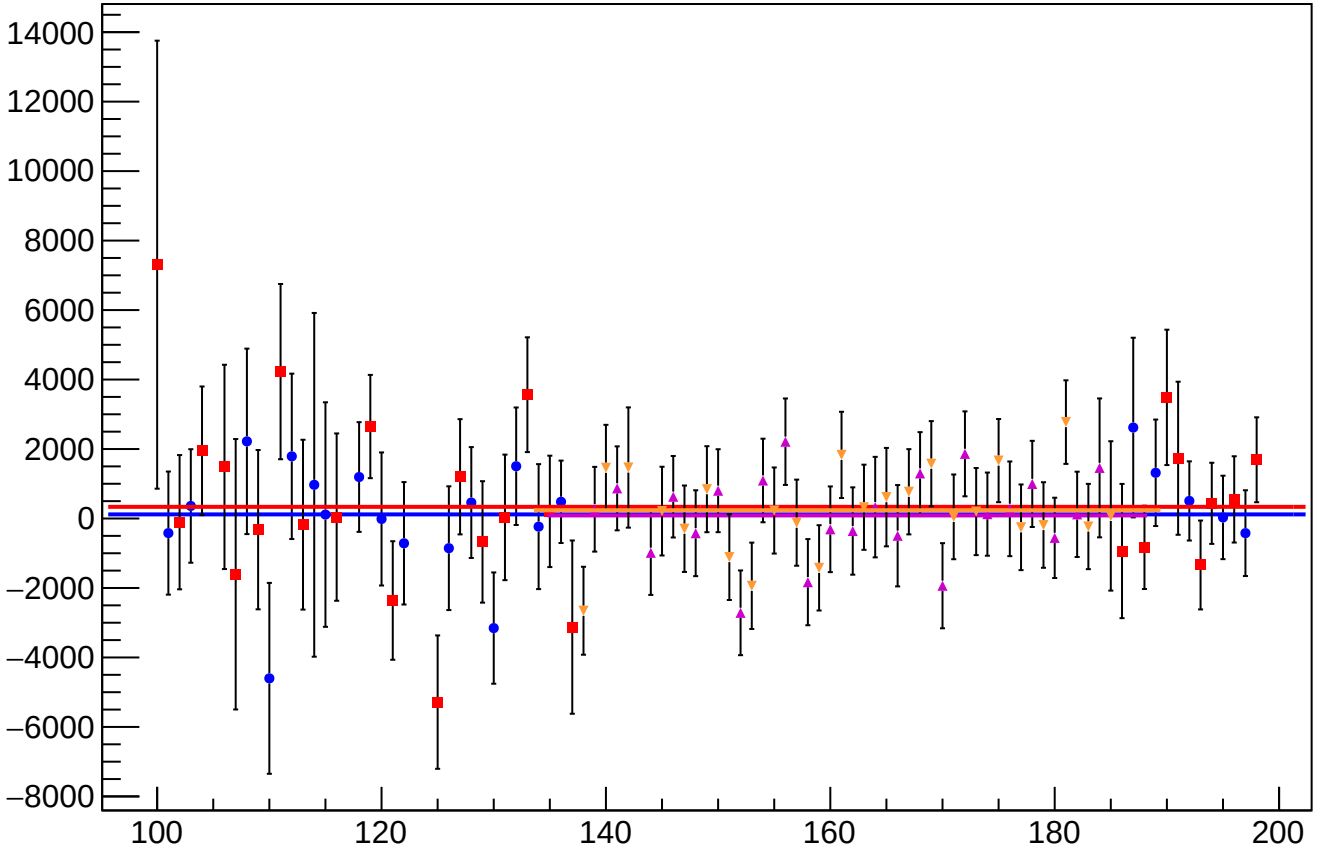
Right: 0.000+/-0.000 χ^2/NDF: 7910193.0/46

In: 0.000+/-0.000 χ^2/NDF:18479762.8/43

Out: 0.000+/-0.000 χ^2/NDF:13612068.5/49

All: 0.000+/-0.000 χ^2/NDF: 33085782.2/93

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 118.219+/-366.700 χ^2/NDF: 12.1/20

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: 335.794+/-342.422 χ^2/NDF: 32.2/25

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

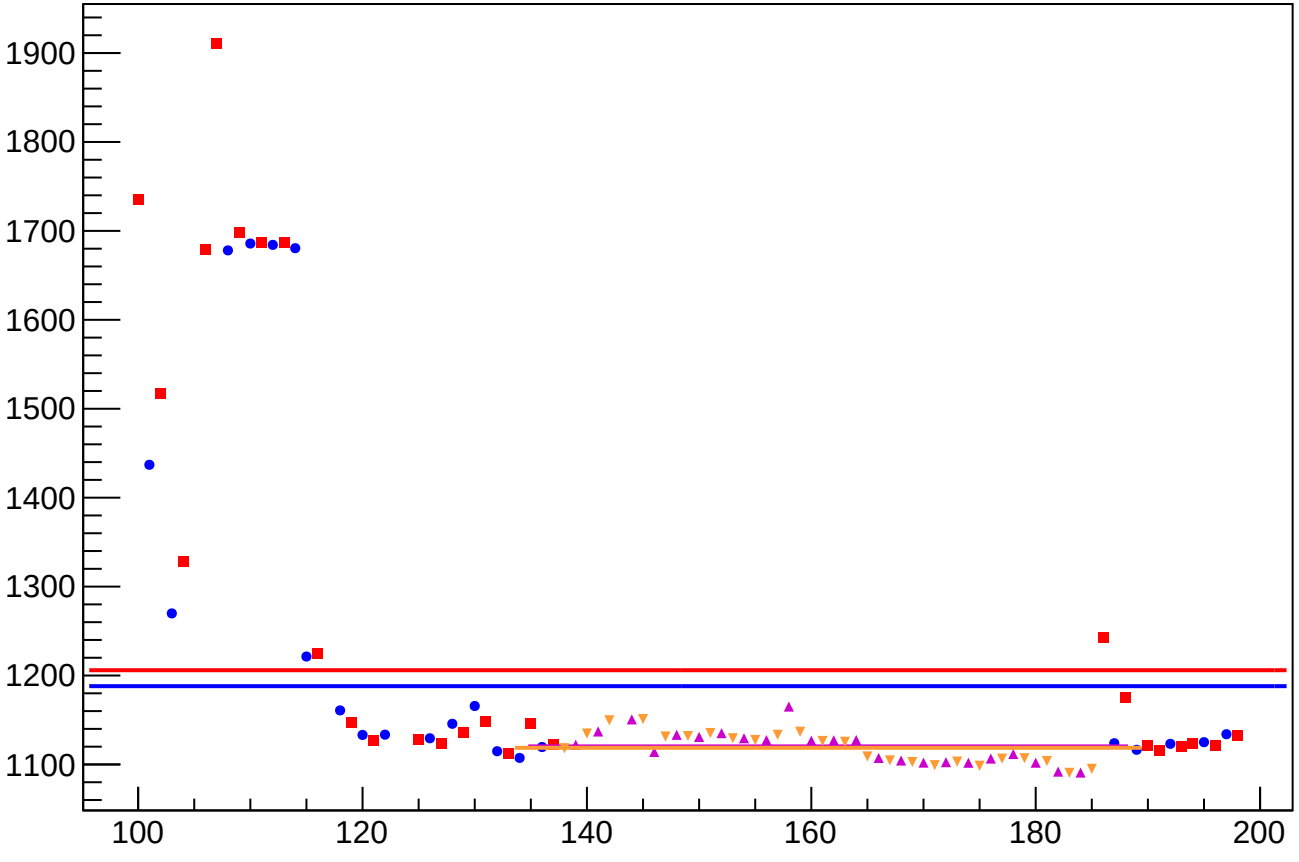
Right: 234.447+/-250.272 χ^2/NDF: 44.4/46

In: 98.444+/-212.964 χ^2/NDF:33.0/43

Out: 272.817+/-206.905 χ^2/NDF:54.9/49

All: 188.147+/-148.400 χ^2/NDF: 88.2/93

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1188.039+/-0.259 χ^2/NDF: 328433.5/20

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1205.970+/-0.242 χ^2/NDF: 510350.8/25

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

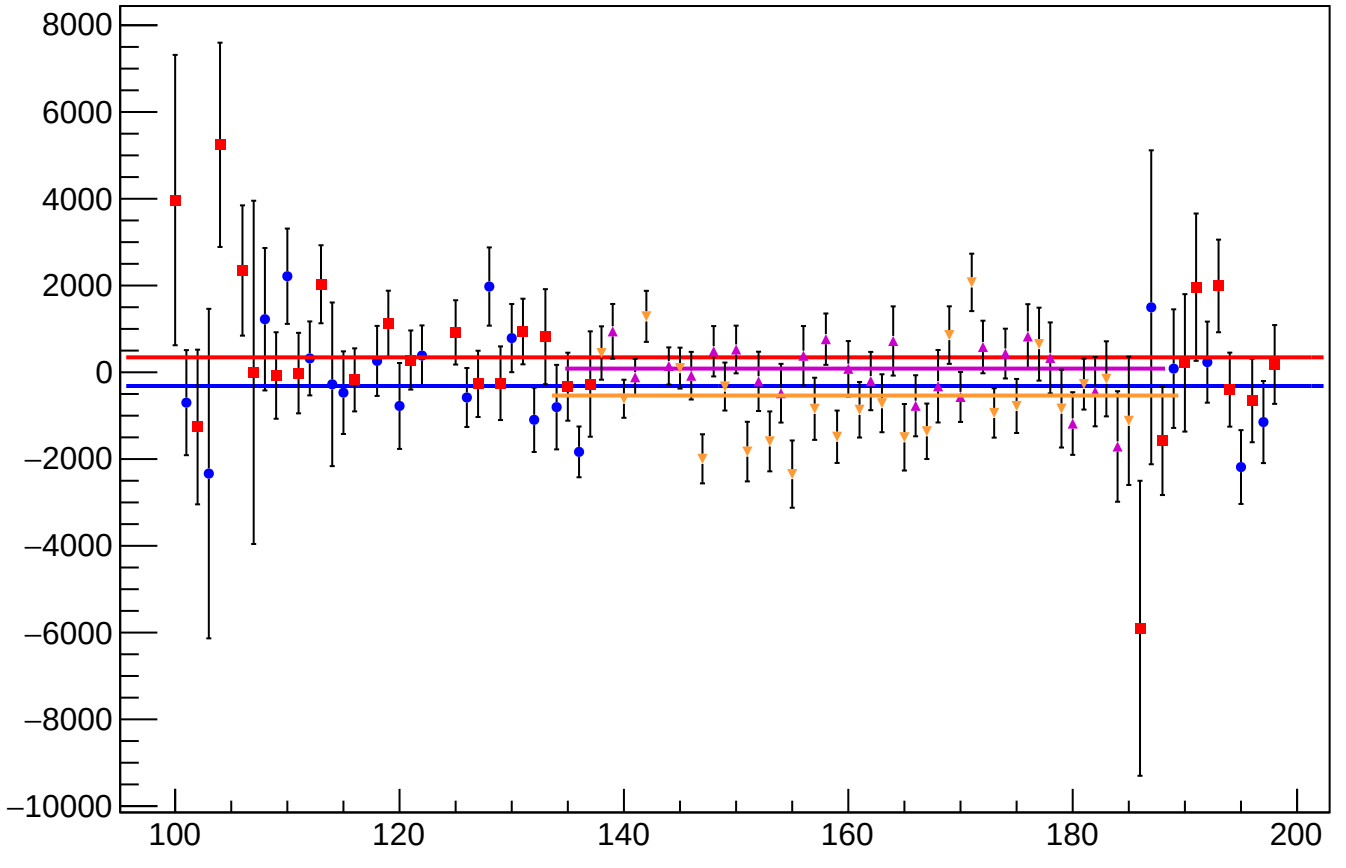
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1197.618+/-0.177 χ^2/NDF: 841339.0/46

In: 1143.152+/-0.151 χ^2/NDF:383130.3/43

Out: 1150.584+/-0.146 χ^2/NDF:600971.8/49

All: 1146.975+/-0.105 χ^2/NDF: 985354.9/93



Right In: -316.144+/-202.496 χ^2/NDF: 31.8/20

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: 344.538+/-195.786 χ^2/NDF: 27.9/25

Left In: 85.254+/-130.966 χ^2/NDF:17.1/22

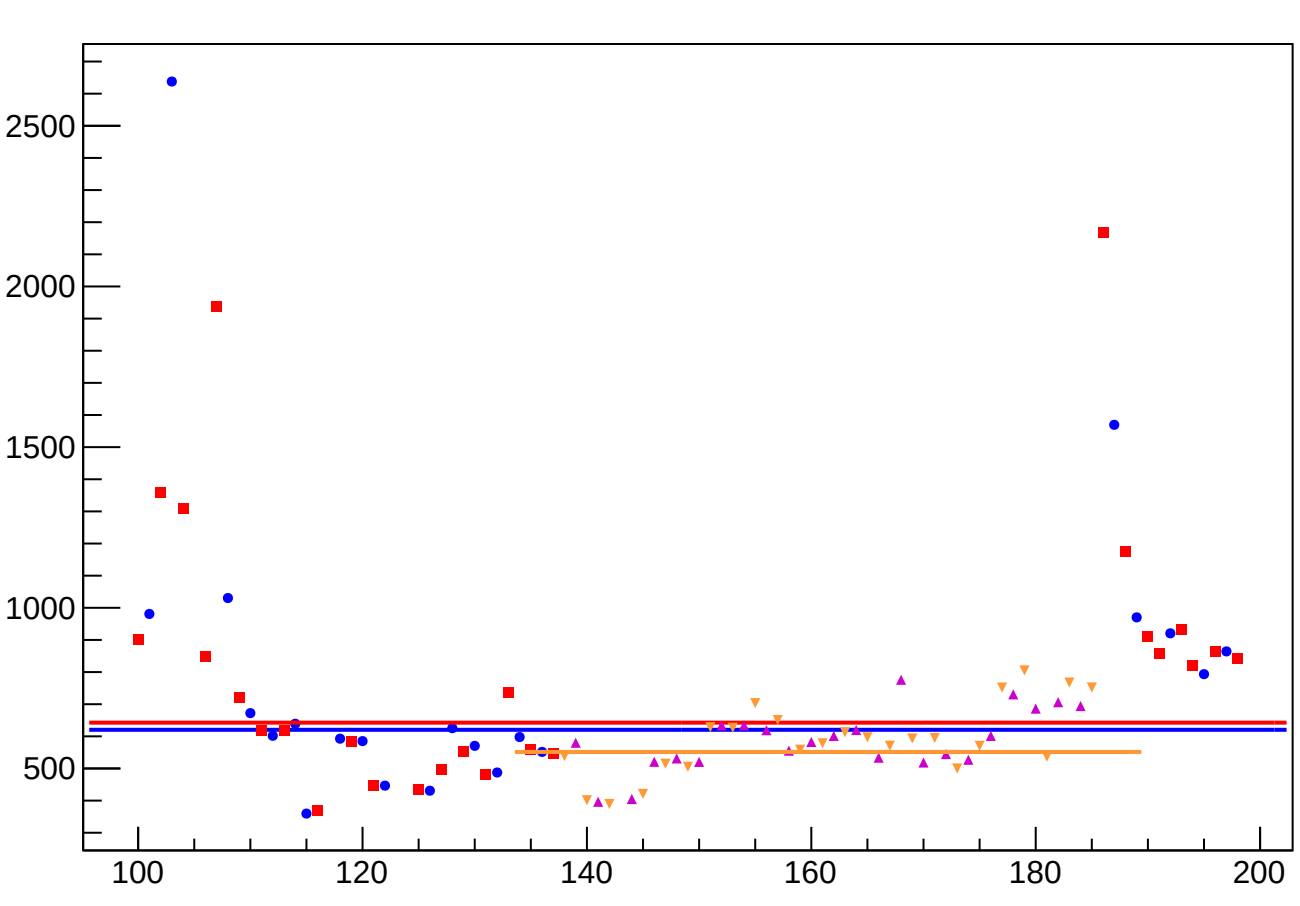
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: 25.325+/-140.754 χ^2/NDF: 65.3/46

In: -33.130+/-109.970 χ^2/NDF:51.8/43

Out: -264.644+/-108.673 χ^2/NDF:103.5/49

All: -150.260+/-77.298 χ^2/NDF: 157.5/93



Right In: 620.352+/-0.143 χ^2/NDF: 2098910.0/20

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 642.634+/-0.138 χ^2/NDF: 2910483.3/25

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

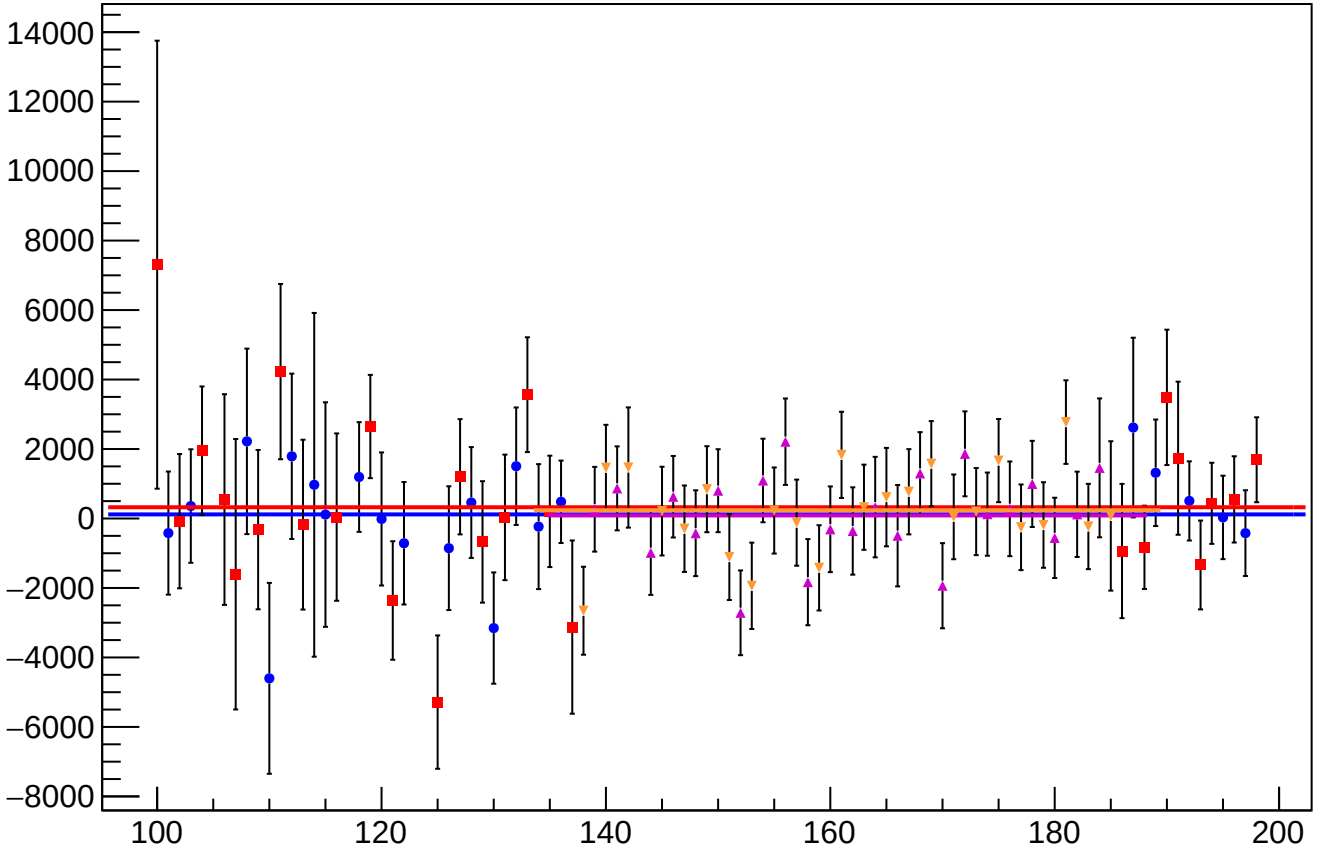
Right: 631.868+/-0.100 χ^2/NDF: 5021909.1/46

In: 571.691+/-0.078 χ^2/NDF:3324478.3/43

Out: 579.536+/-0.077 χ^2/NDF:4437324.3/49

All: 575.660+/-0.055 χ^2/NDF: 7766952.2/93

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 118.073+/-366.700 χ^2/NDF: 12.1/20

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 323.830+/-342.562 χ^2/NDF: 32.0/25

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

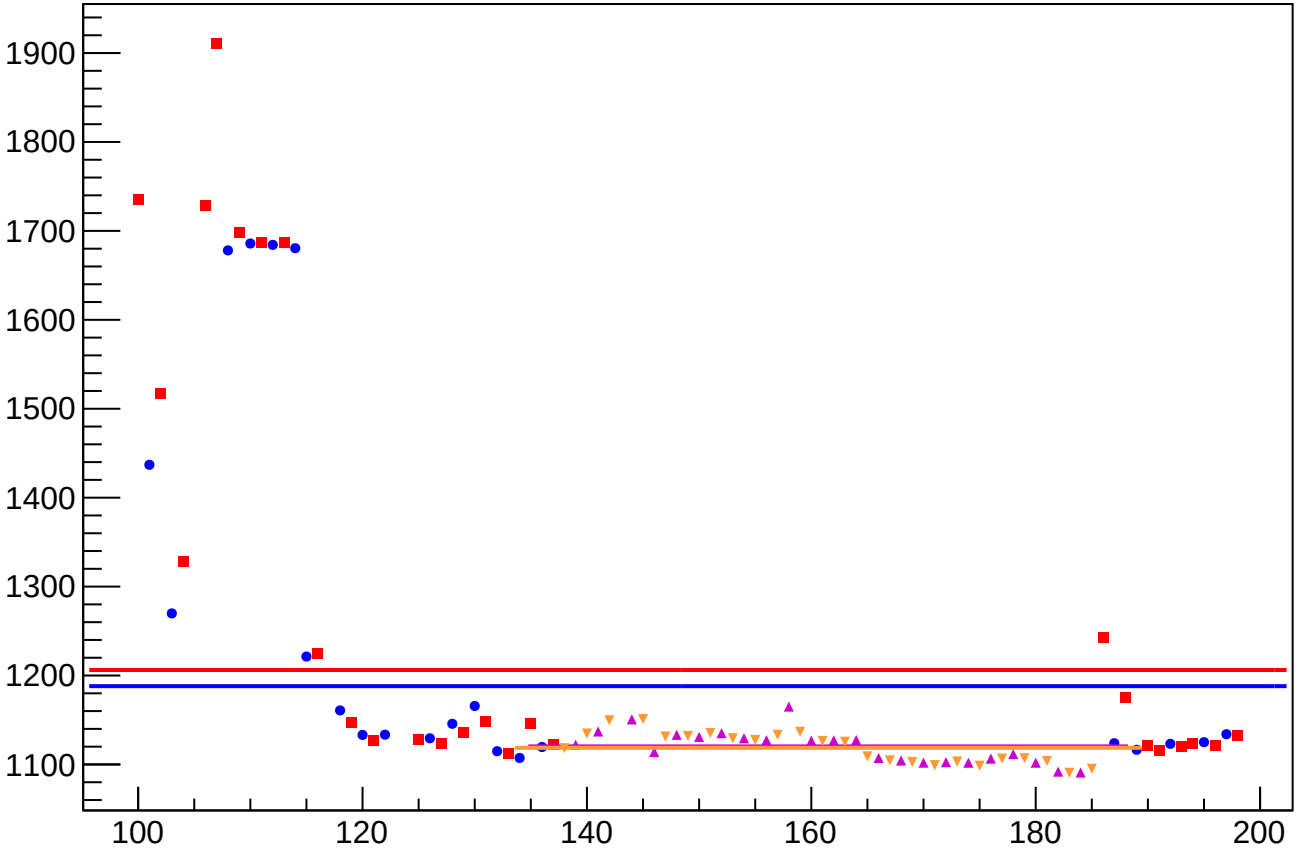
Right: 227.946+/-250.327 χ^2/NDF: 44.2/46

In: 98.388+/-212.964 χ^2/NDF:33.0/43

Out: 268.459+/-206.936 χ^2/NDF:54.8/49

All: 185.864+/-148.411 χ^2/NDF: 88.1/93

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1188.039+/-0.259 χ^2/NDF: 328433.5/20

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1206.223+/-0.242 χ^2/NDF: 518066.0/25

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

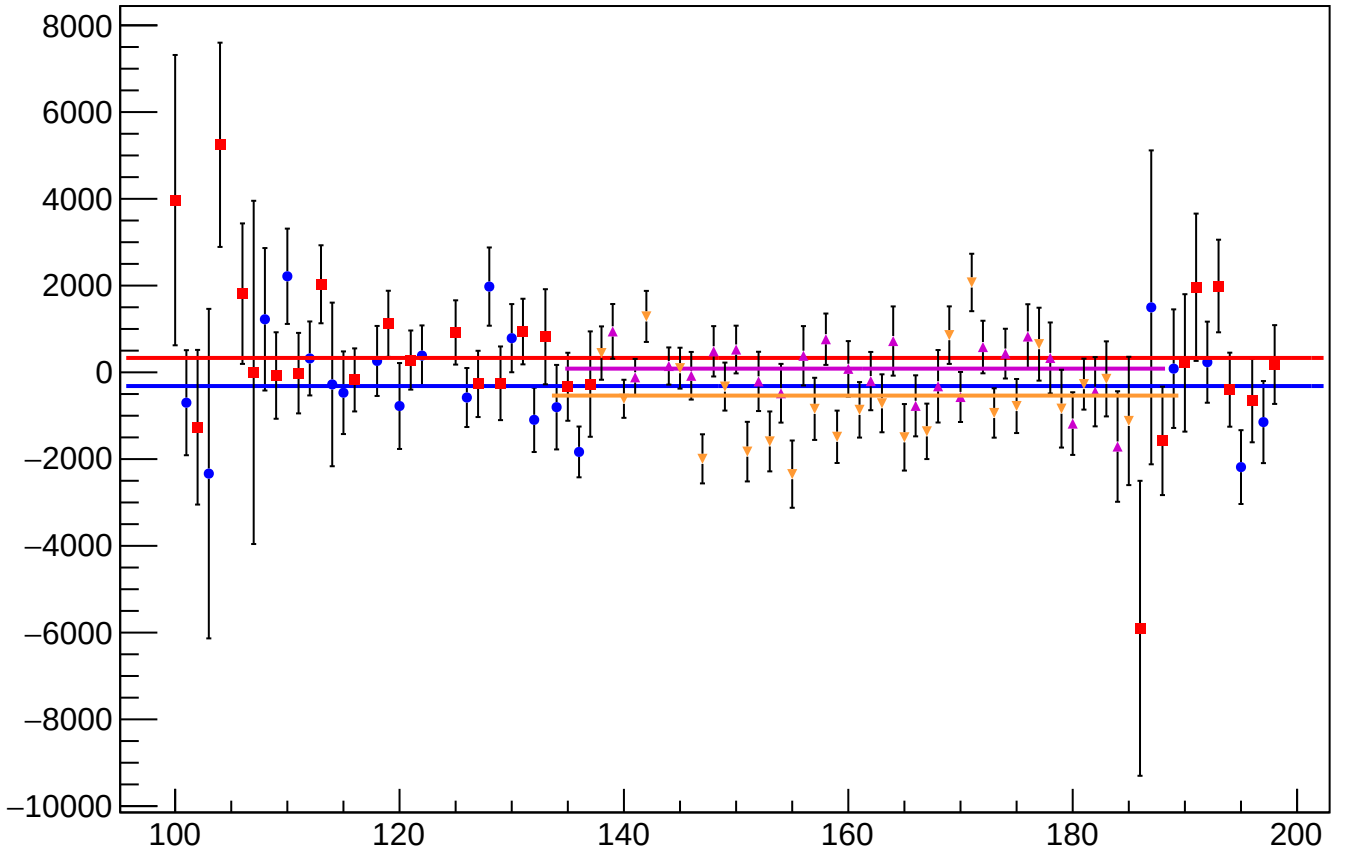
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1197.749+/-0.177 χ^2/NDF: 849126.0/46

In: 1143.152+/-0.151 χ^2/NDF:383130.4/43

Out: 1150.660+/-0.146 χ^2/NDF:609122.7/49

All: 1147.014+/-0.105 χ^2/NDF: 993531.4/93



Right In: -316.113+/-202.495 χ^2/NDF: 31.8/20

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 331.983+/-196.018 χ^2/NDF: 27.0/25

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

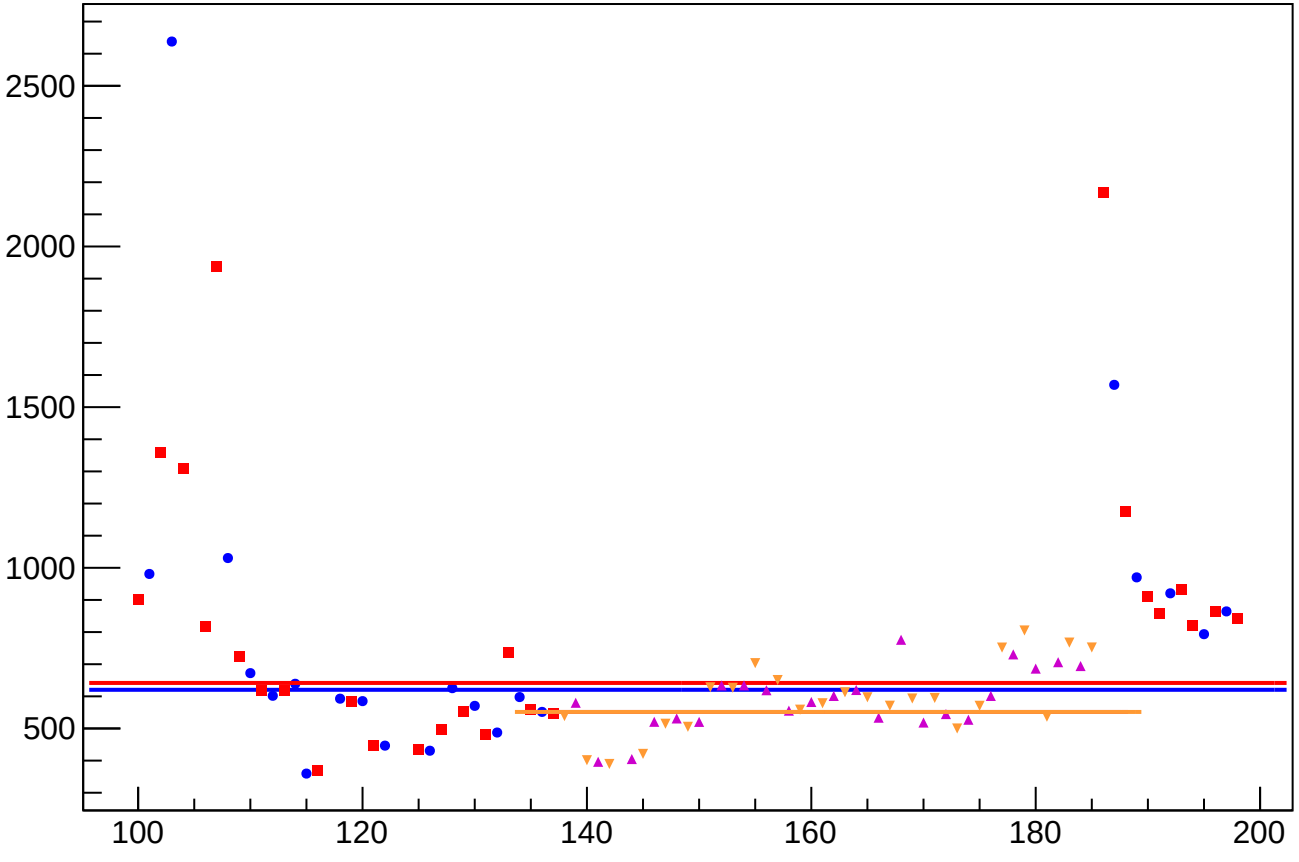
Right: 18.464+/-140.840 χ^2/NDF: 64.1/46

In: -33.129+/-109.970 χ^2/NDF:51.8/43

Out: -268.973+/-108.712 χ^2/NDF:102.1/49

All: -152.407+/-77.312 χ^2/NDF: 156.2/93

asym_usl_atl1_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 620.347+/-0.143 χ^2/NDF: 2098907.6/20

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 641.685+/-0.139 χ^2/NDF: 2896535.6/25

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

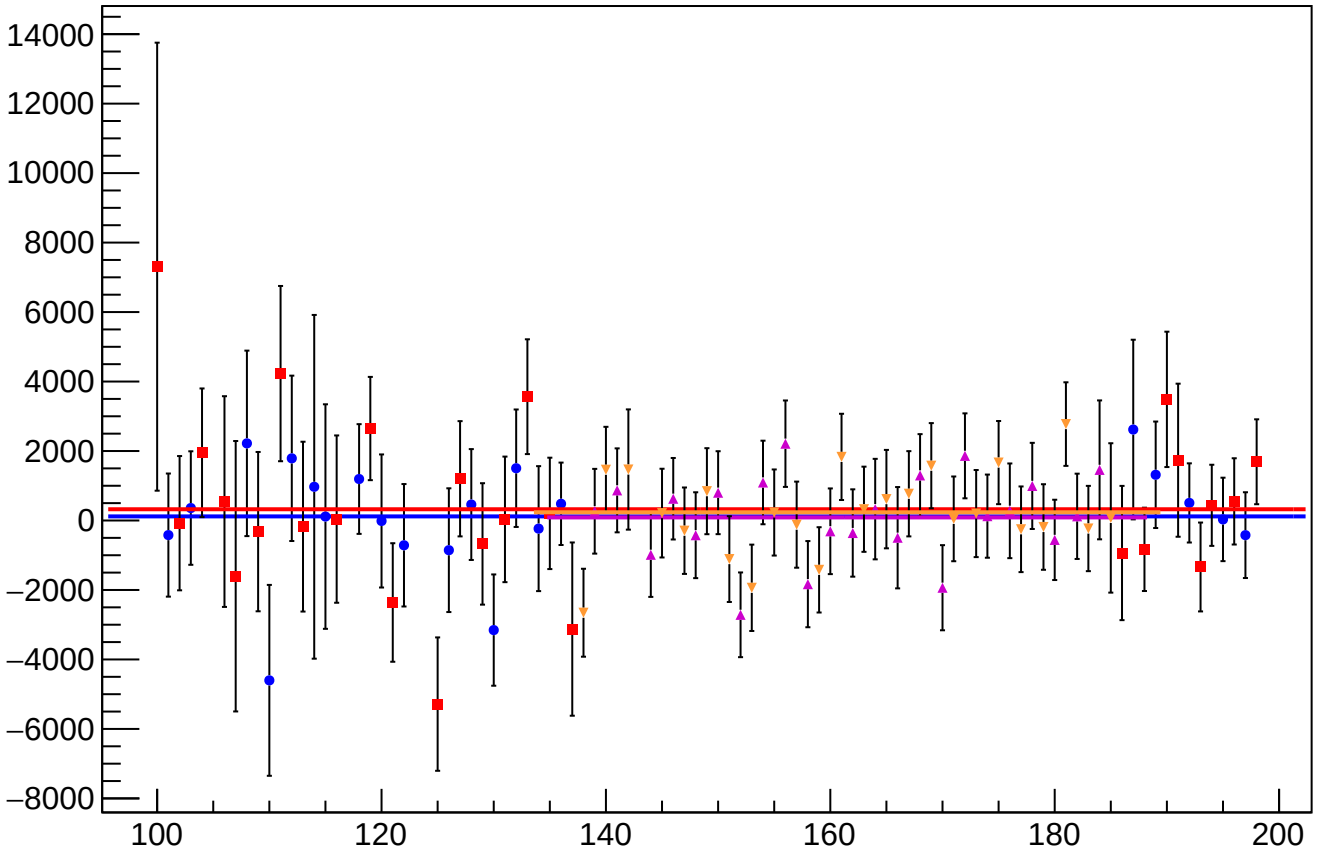
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 631.363+/-0.100 χ^2/NDF: 5006908.2/46

In: 571.689+/-0.078 χ^2/NDF:3324427.1/43

Out: 579.198+/-0.077 χ^2/NDF:4416702.5/49

All: 575.487+/-0.055 χ^2/NDF: 7745845.2/93



Right In: 118.073+/-366.700 χ^2/NDF: 12.1/20

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 323.830+/-342.562 χ^2/NDF: 32.0/25

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

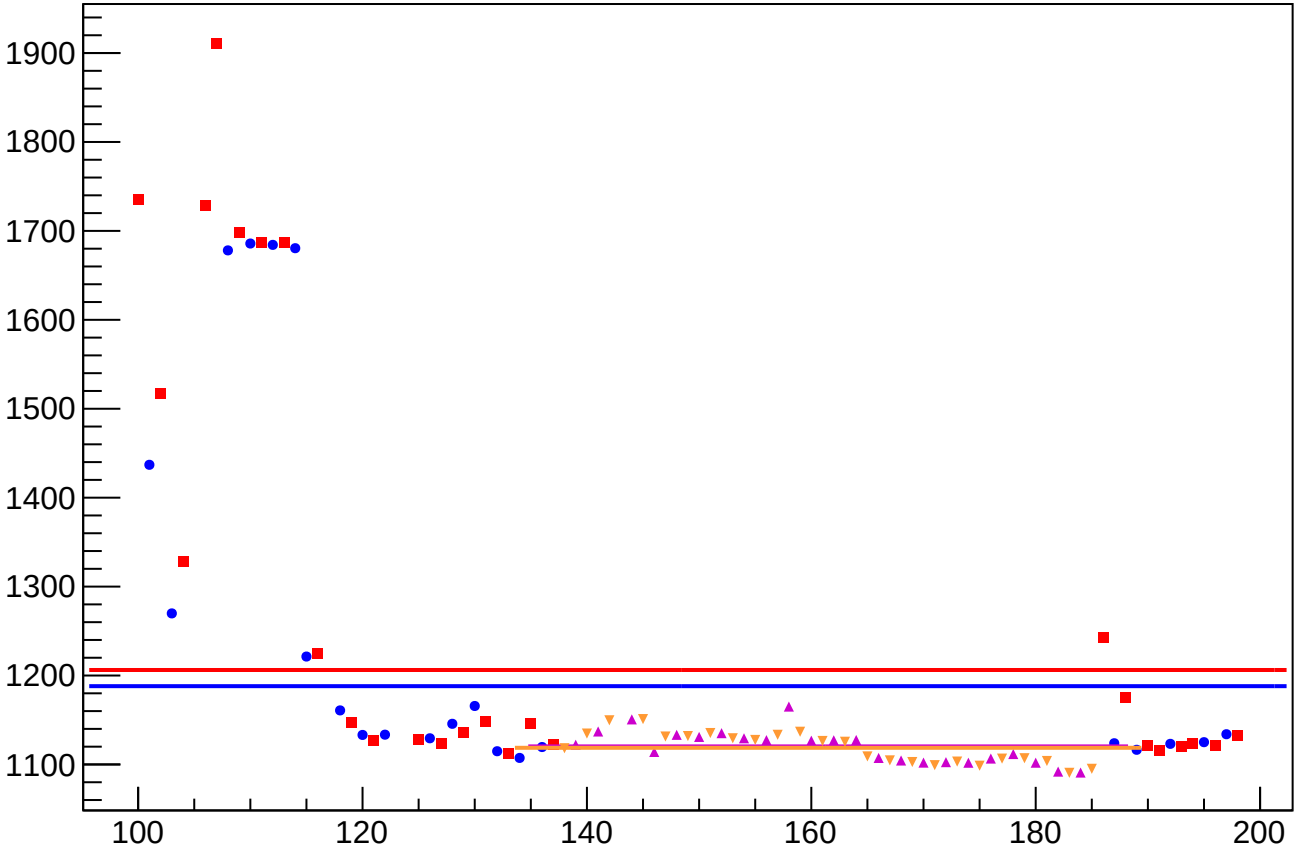
Right: 227.946+/-250.327 χ^2/NDF: 44.2/46

In: 98.388+/-212.964 χ^2/NDF:33.0/43

Out: 268.459+/-206.936 χ^2/NDF:54.8/49

All: 185.864+/-148.411 χ^2/NDF: 88.1/93

eigen_cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1188.039+/-0.259 χ^2/NDF: 328433.5/20

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1206.223+/-0.242 χ^2/NDF: 518066.0/25

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

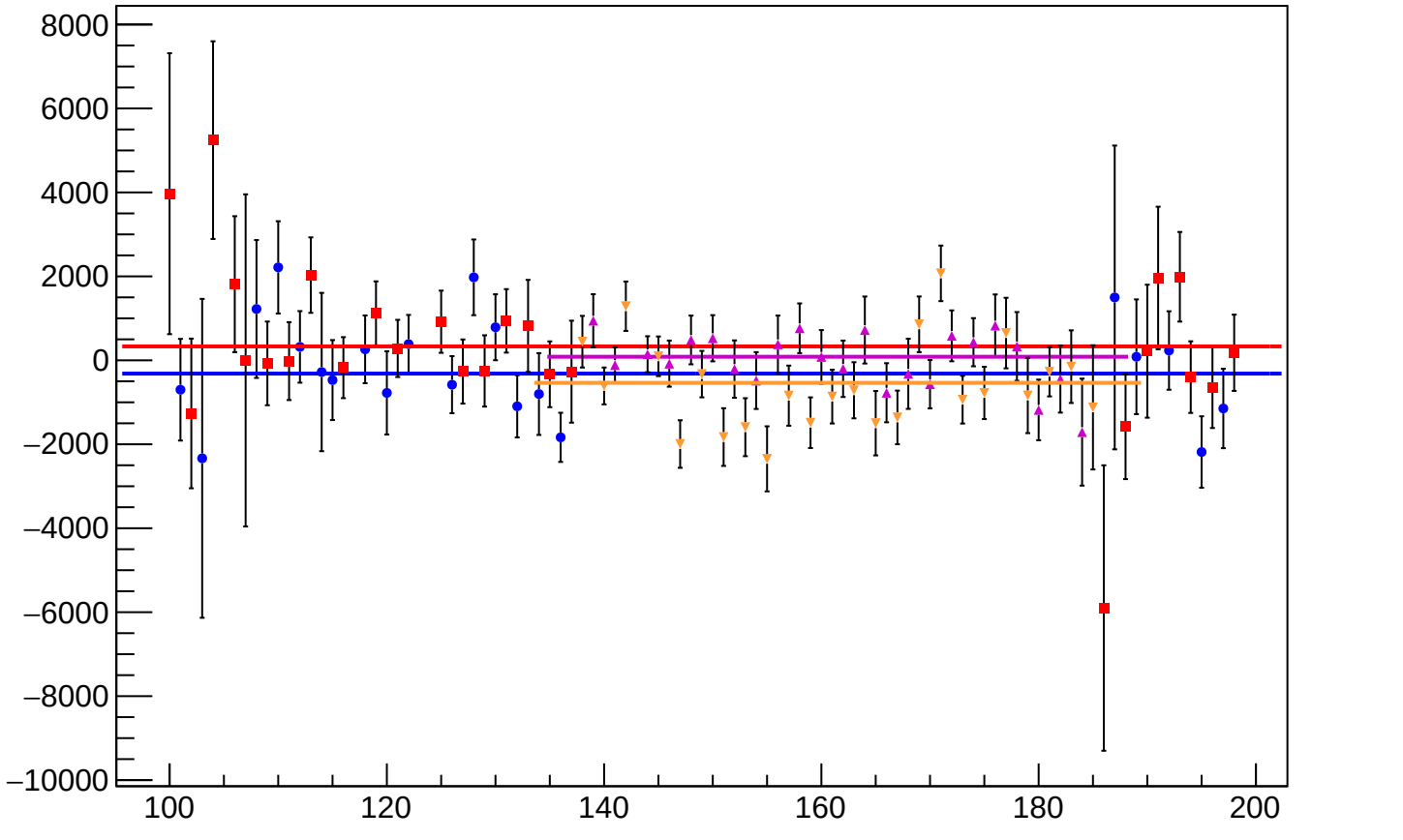
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1197.749+/-0.177 χ^2/NDF: 849126.0/46

In: 1143.152+/-0.151 χ^2/NDF:383130.4/43

Out: 1150.660+/-0.146 χ^2/NDF:609122.7/49

All: 1147.014+/-0.105 χ^2/NDF: 993531.4/93



Right In: -316.113+/-202.495 χ^2/NDF: 31.8/20

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 331.983+/-196.018 χ^2/NDF: 27.0/25

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

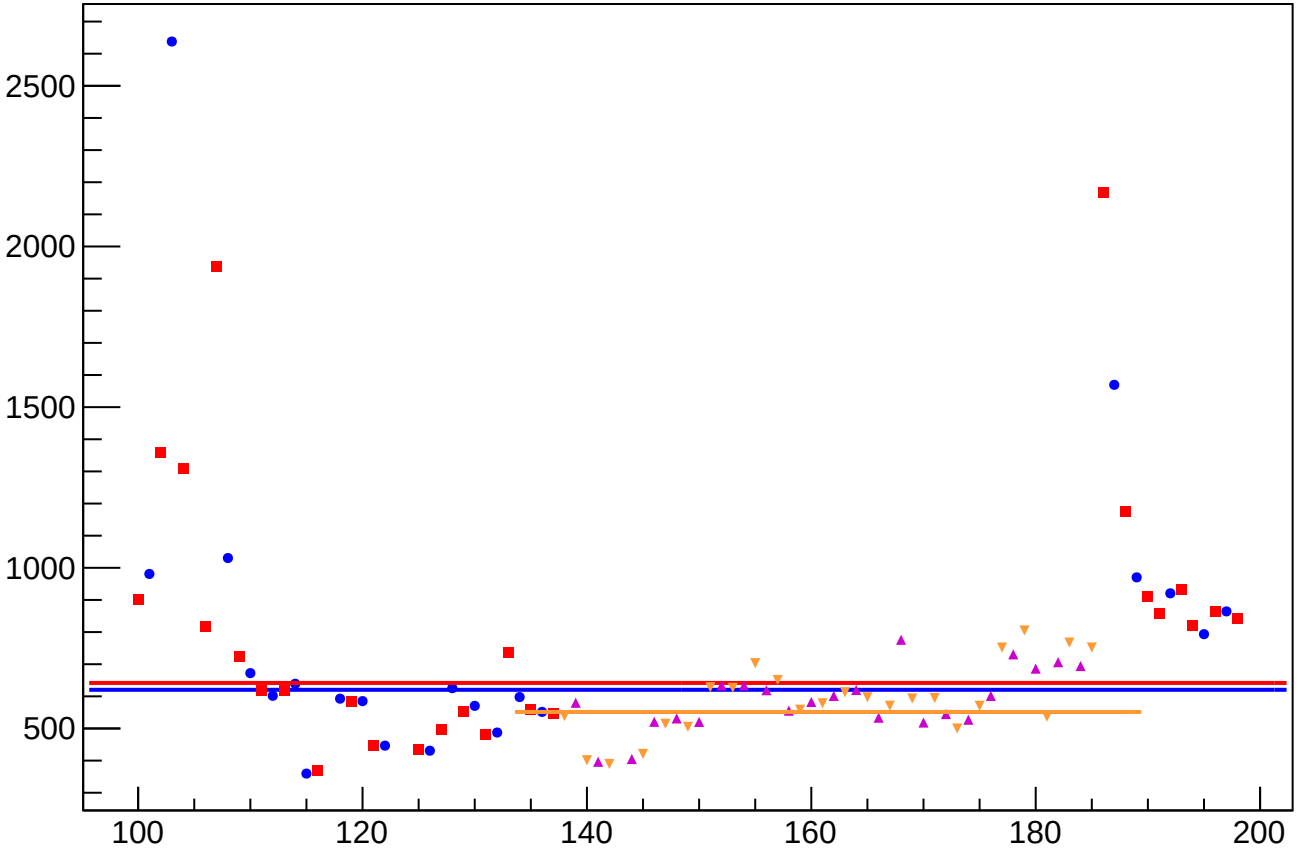
Right: 18.464+/-140.840 χ^2/NDF: 64.1/46

In: -33.129+/-109.970 χ^2/NDF:51.8/43

Out: -268.973+/-108.712 χ^2/NDF:102.1/49

All: -152.407+/-77.312 χ^2/NDF: 156.2/93

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 620.347+/-0.143 χ^2/NDF: 2098907.6/20

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 641.685+/-0.139 χ^2/NDF: 2896535.6/25

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

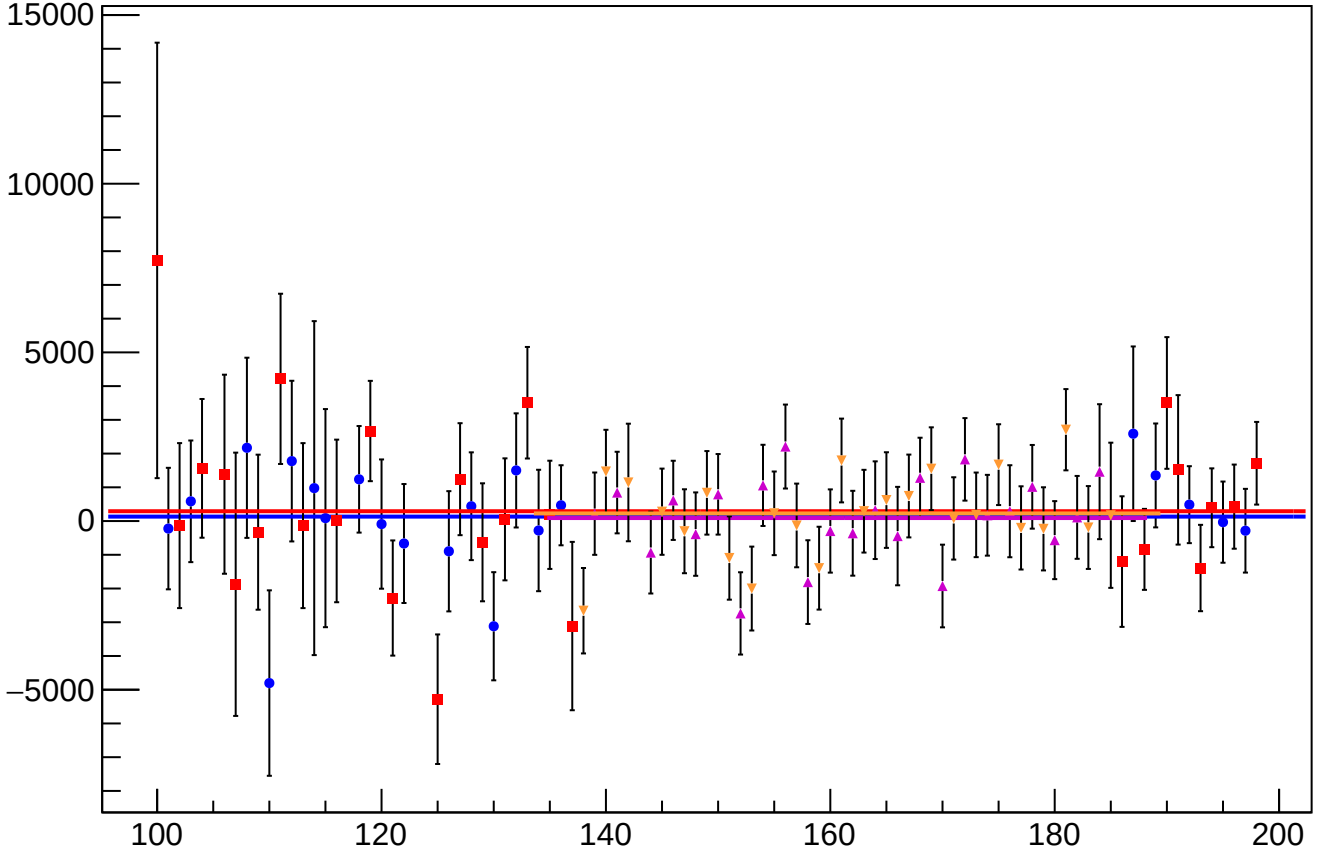
Right: 631.363+/-0.100 χ^2/NDF: 5006908.2/46

In: 571.689+/-0.078 χ^2/NDF:3324427.1/43

Out: 579.198+/-0.077 χ^2/NDF:4416702.5/49

All: 575.487+/-0.055 χ^2/NDF: 7745845.2/93

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 131.834+/-369.097 χ^2/NDF: 12.1/20

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: 291.147+/-346.053 χ^2/NDF: 31.8/25

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

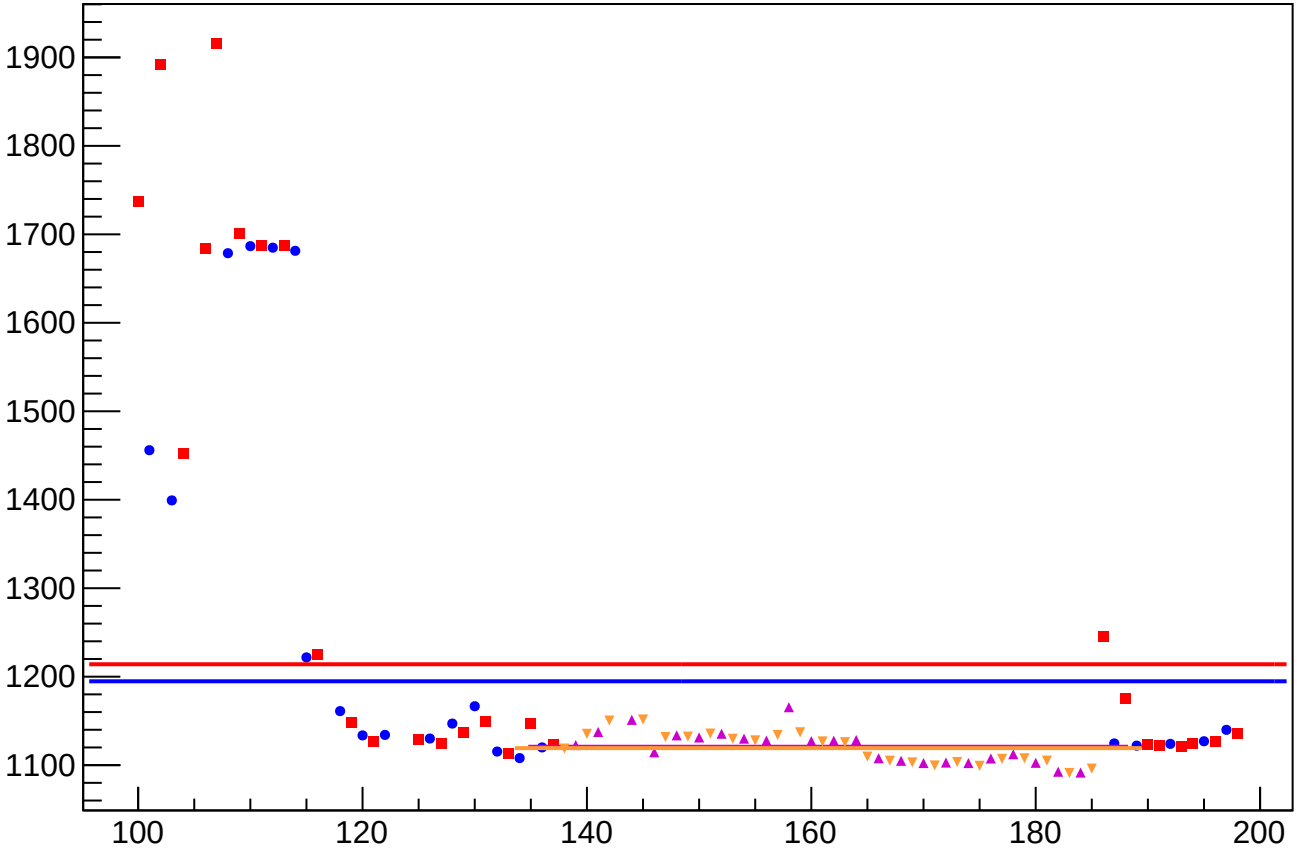
Right: 216.619+/-252.450 χ^2/NDF: 44.1/46

In: 103.383+/-213.493 χ^2/NDF:32.7/43

Out: 249.271+/-207.780 χ^2/NDF:54.1/49

All: 178.305+/-148.901 χ^2/NDF: 87.0/93

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1194.779+/-0.261 χ^2/NDF: 352941.0/20

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1214.040+/-0.245 χ^2/NDF: 634141.1/25

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

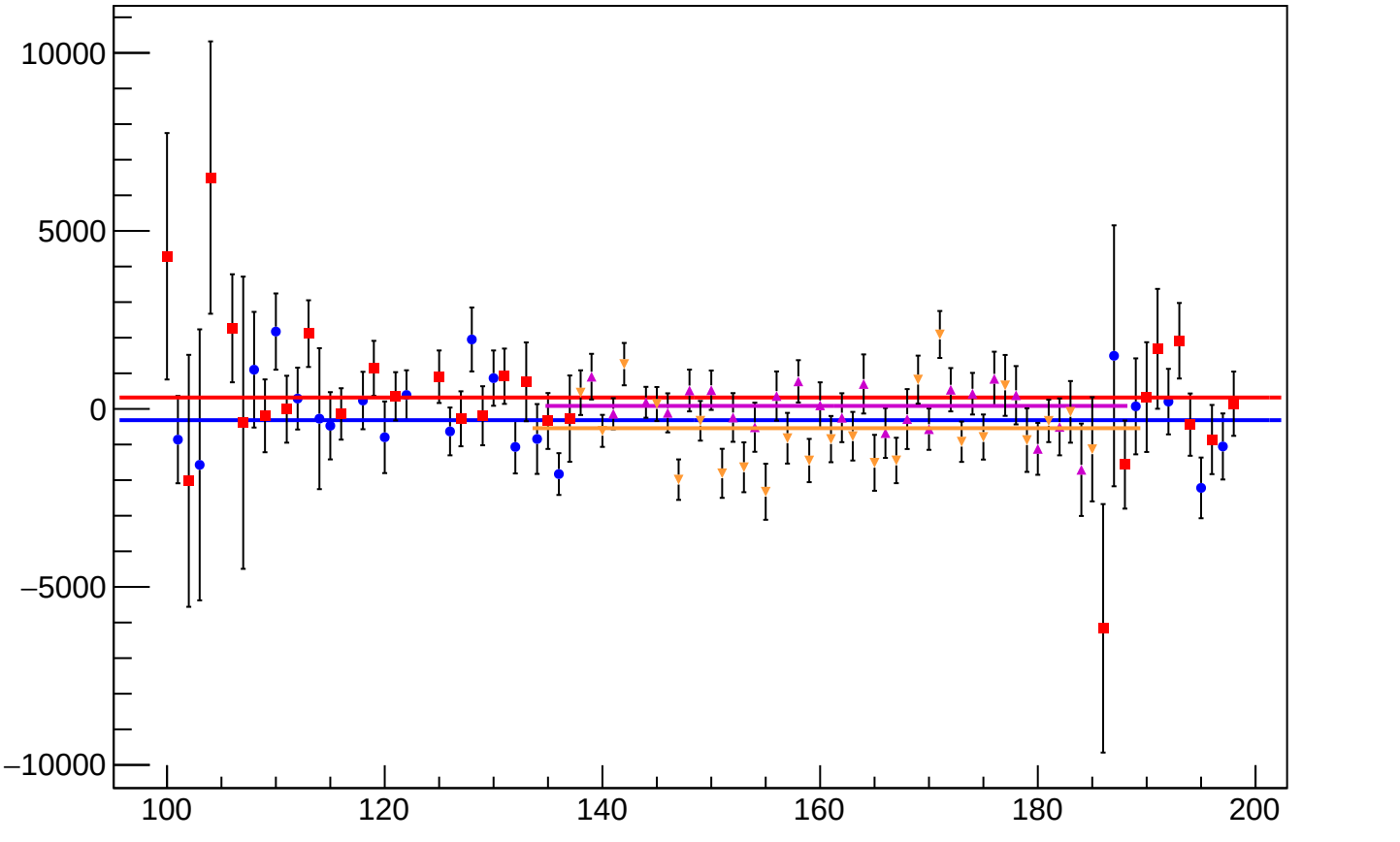
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1205.030+/-0.179 χ^2/NDF: 989980.6/46

In: 1145.551+/-0.151 χ^2/NDF:415832.3/43

Out: 1153.428+/-0.147 χ^2/NDF:738231.3/49

All: 1149.597+/-0.105 χ^2/NDF: 1155461.9/93



Right In: -316.201+/-202.054 χ^2/NDF: 31.9/20

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: 320.540+/-198.163 χ^2/NDF: 25.9/25

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

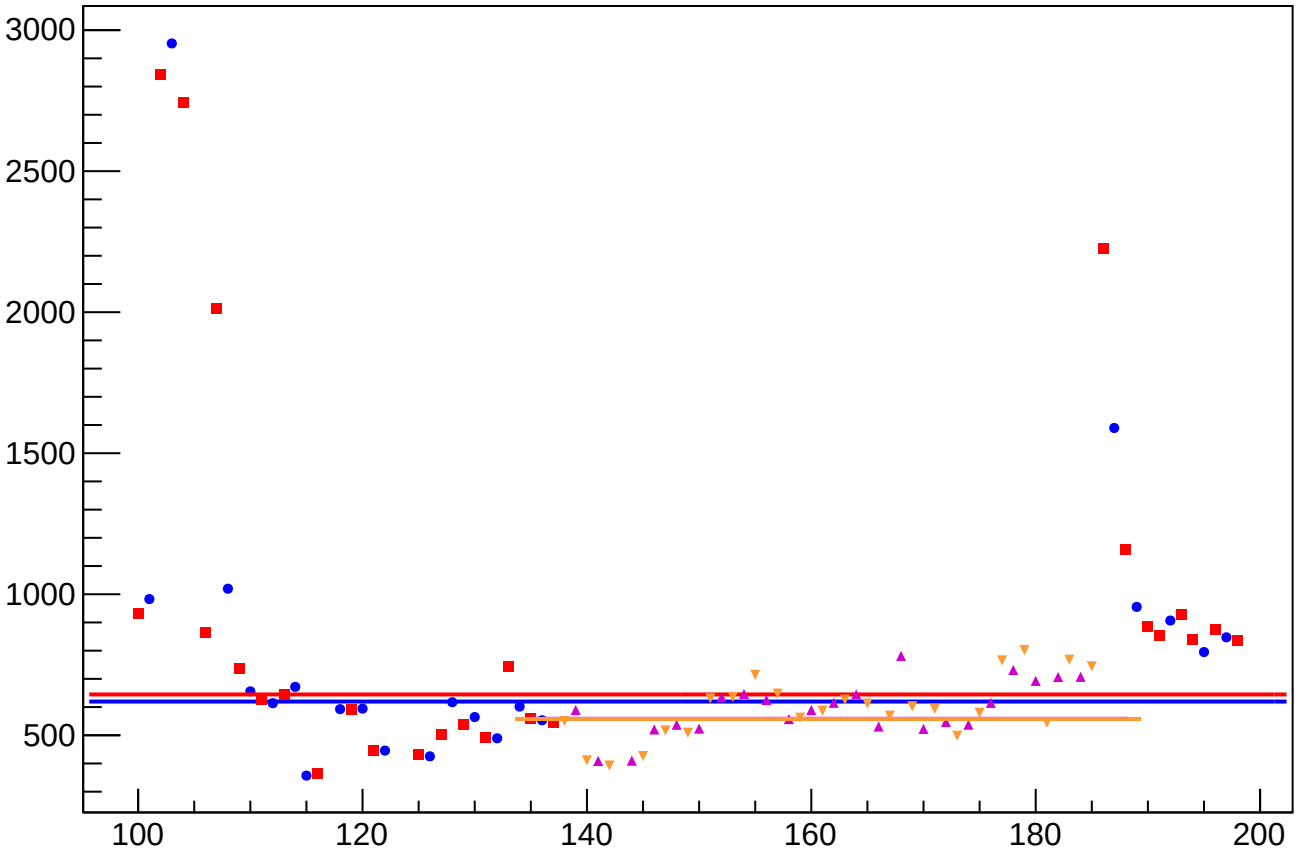
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: 8.359+/-141.478 χ^2/NDF: 62.8/46

In: -36.322+/-110.829 χ^2/NDF:51.0/43

Out: -276.591+/-109.865 χ^2/NDF:99.9/49

All: -157.506+/-78.025 χ^2/NDF: 153.2/93



Right In: 619.549+/-0.143 χ^2/NDF: 2264809.6/20

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 644.711+/-0.140 χ^2/NDF: 3822915.8/25

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

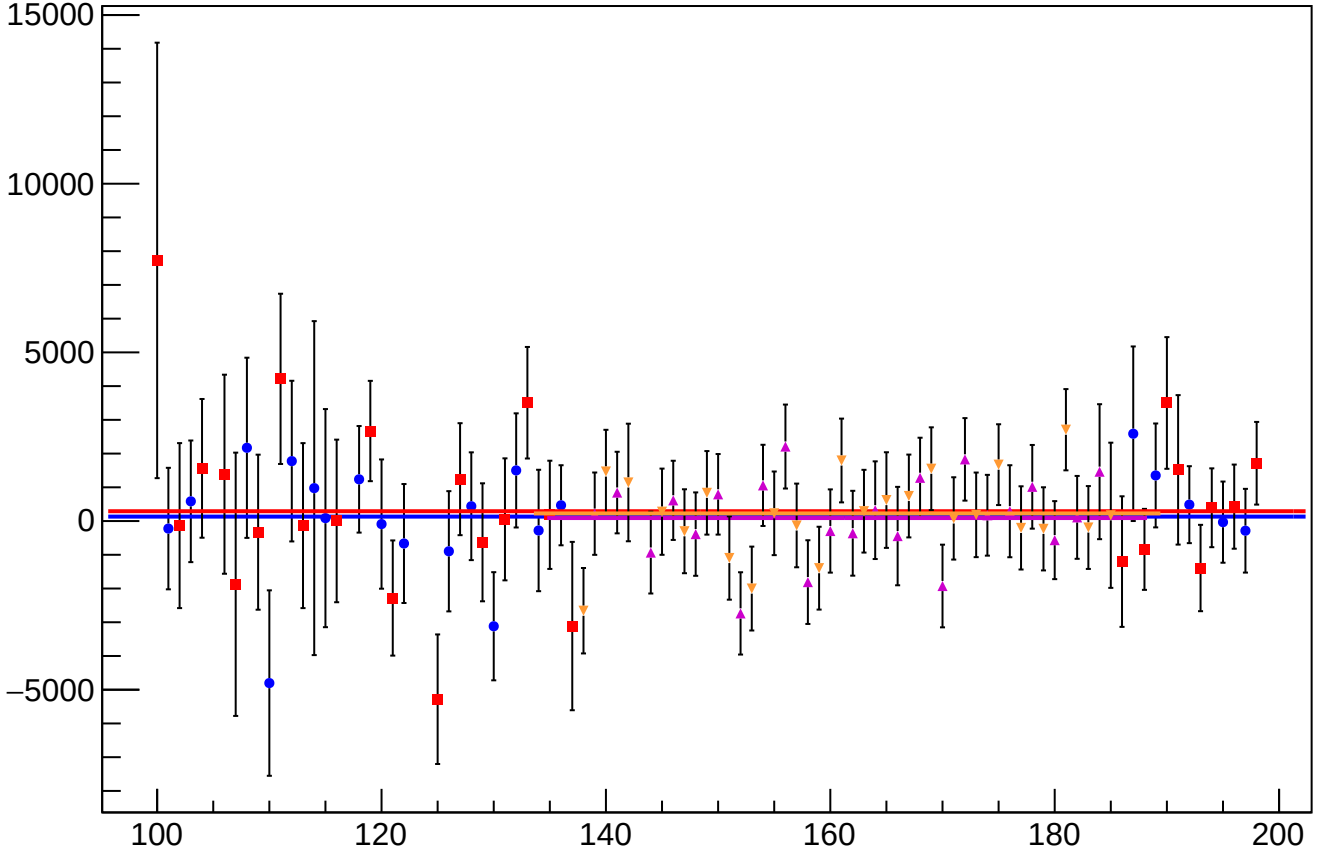
Right: 632.375+/-0.100 χ^2/NDF: 6103535.7/46

In: 576.793+/-0.078 χ^2/NDF:3420719.1/43

Out: 584.370+/-0.078 χ^2/NDF:5283925.7/49

All: 580.615+/-0.055 χ^2/NDF: 8709360.6/93

eigen_dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 131.835+/-369.097 χ^2/NDF: 12.1/20

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: 291.147+/-346.053 χ^2/NDF: 31.8/25

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 216.619+/-252.450 χ^2/NDF: 44.1/46

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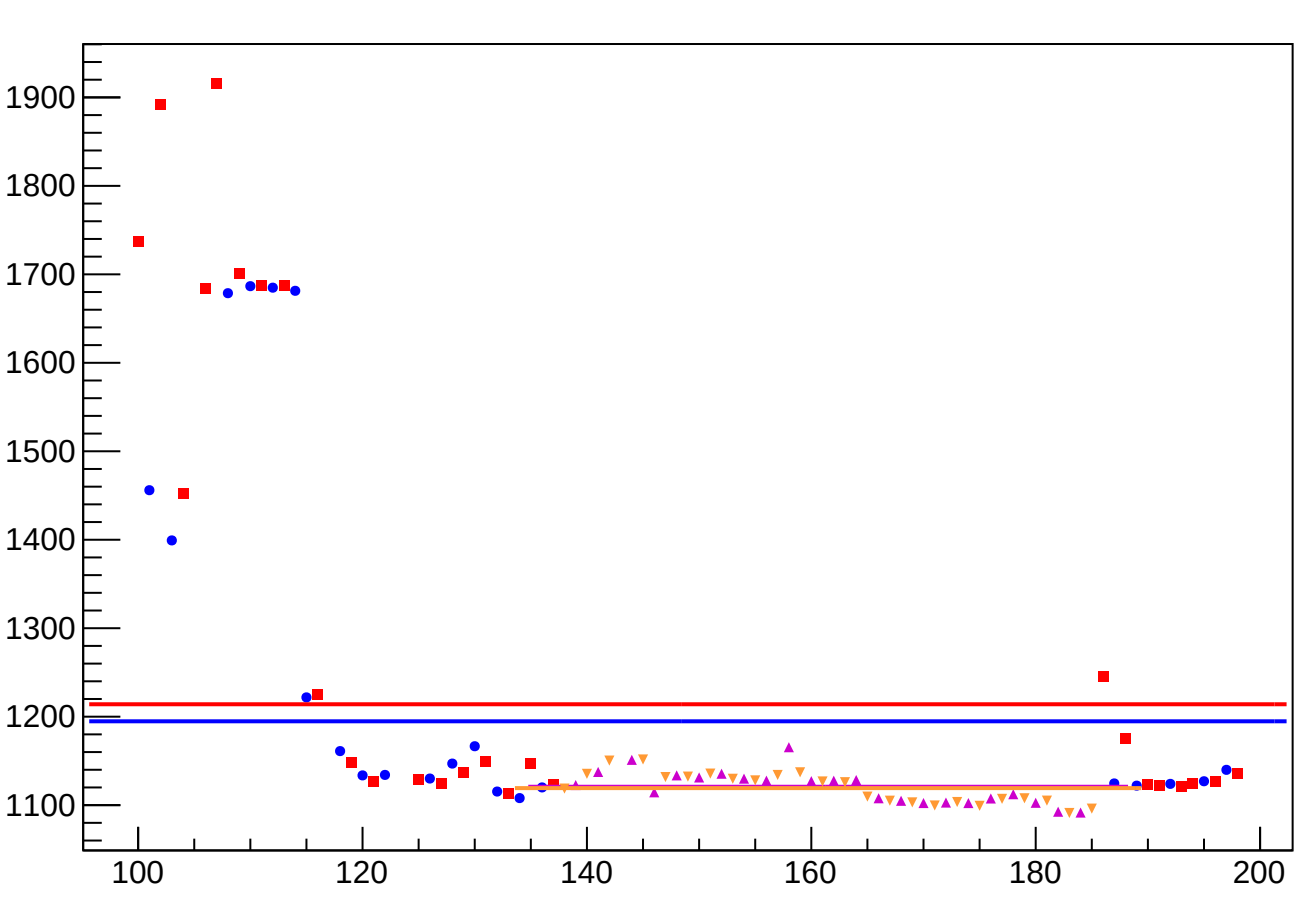
Out: 249.270+/-207.780 χ^2/NDF:54.1/49

All: 178.305+/-148.901 χ^2/NDF: 87.0/93



Right In: 1194.779+/-0.261 χ^2/NDF: 352940.5/20

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1214.040+/-0.245 χ^2/NDF: 634140.4/25

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

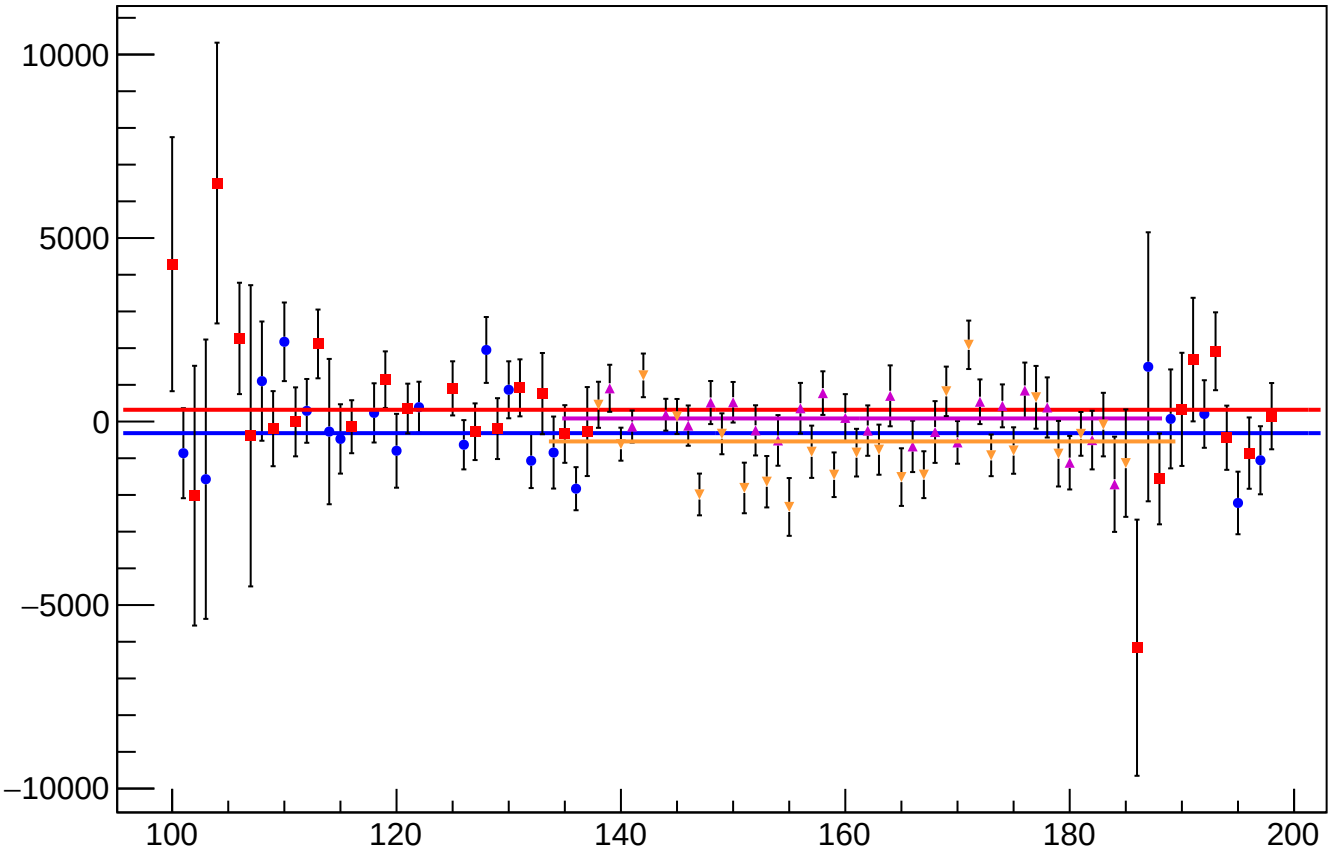
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1205.030+/-0.179 χ^2/NDF: 989979.5/46

In: 1145.551+/-0.151 χ^2/NDF:415831.8/43

Out: 1153.428+/-0.147 χ^2/NDF:738230.6/49

All: 1149.597+/-0.105 χ^2/NDF: 1155460.6/93



Right In: -316.201+/-202.054 χ^2/NDF: 31.9/20

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: 320.540+/-198.163 χ^2/NDF: 25.9/25

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

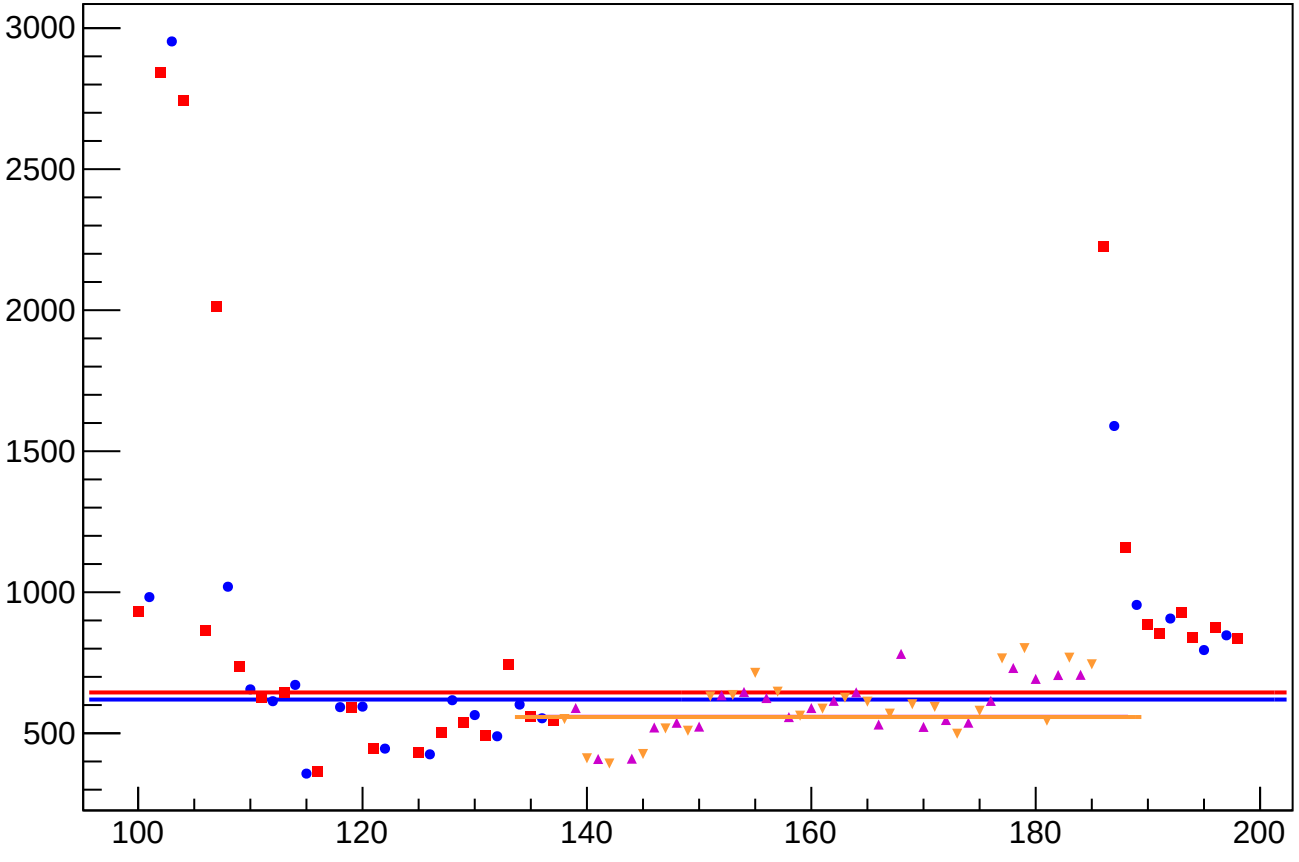
Right: 8.359+/-141.478 χ^2/NDF: 62.8/46

In: -36.322+/-110.829 χ^2/NDF:51.0/43

Out: -276.590+/-109.865 χ^2/NDF:99.9/49

All: -157.506+/-78.025 χ^2/NDF: 153.2/93

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 619.549+/-0.143 χ^2/NDF: 2264805.3/20

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 644.711+/-0.140 χ^2/NDF: 3822915.9/25

Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

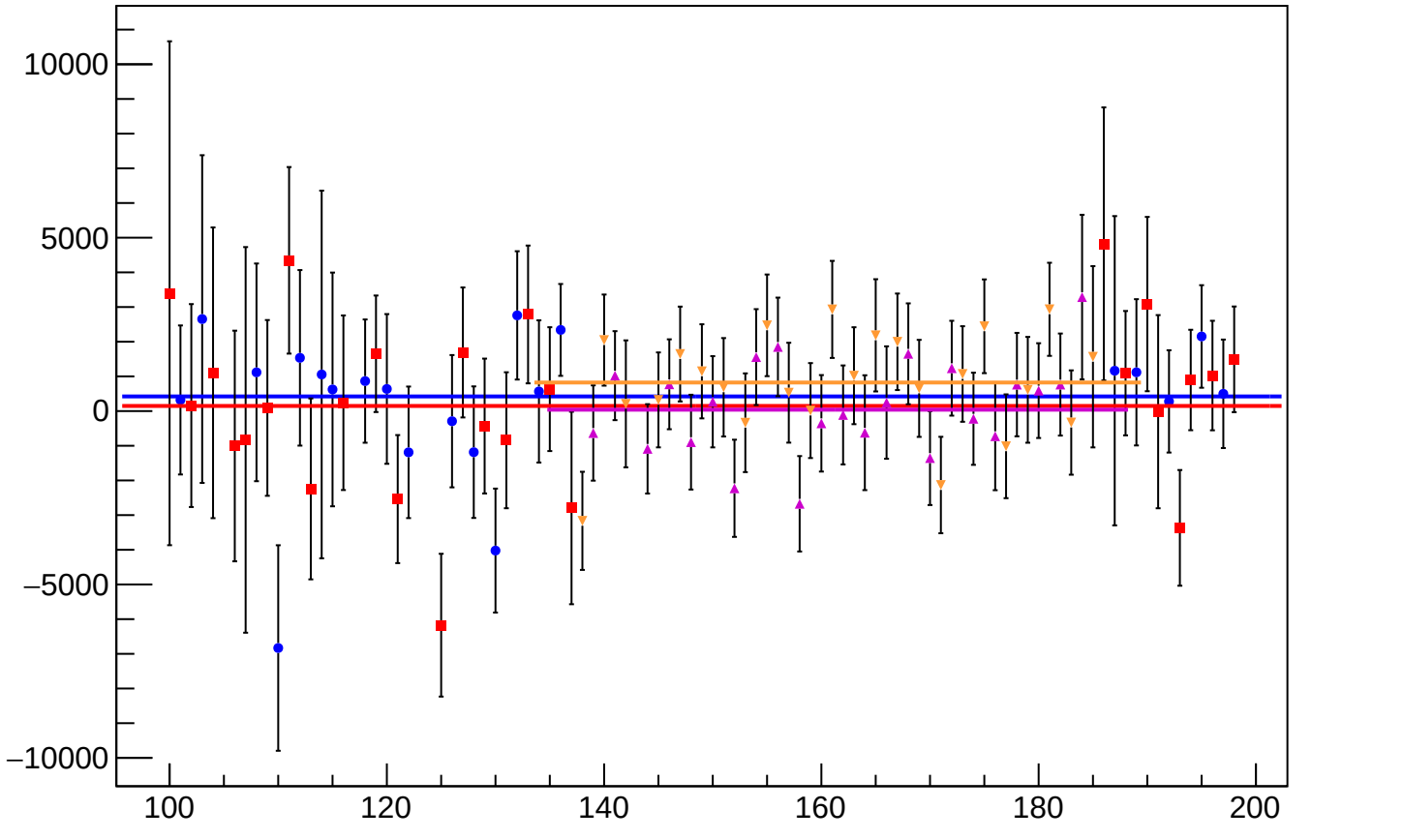
Left: 557.990+/-0.066 χ^2/NDF: 2221156.8/46

Right: 632.375+/-0.100 χ^2/NDF: 6103531.6/46

In: 576.792+/-0.078 χ^2/NDF:3420731.3/43

Out: 584.370+/-0.078 χ^2/NDF:5283950.5/49

All: 580.614+/-0.055 χ^2/NDF: 8709397.4/93



Right In: 422.310+/-441.377 χ^2/NDF: 19.5/20

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: 147.657+/-421.264 χ^2/NDF: 28.9/25

Left In: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

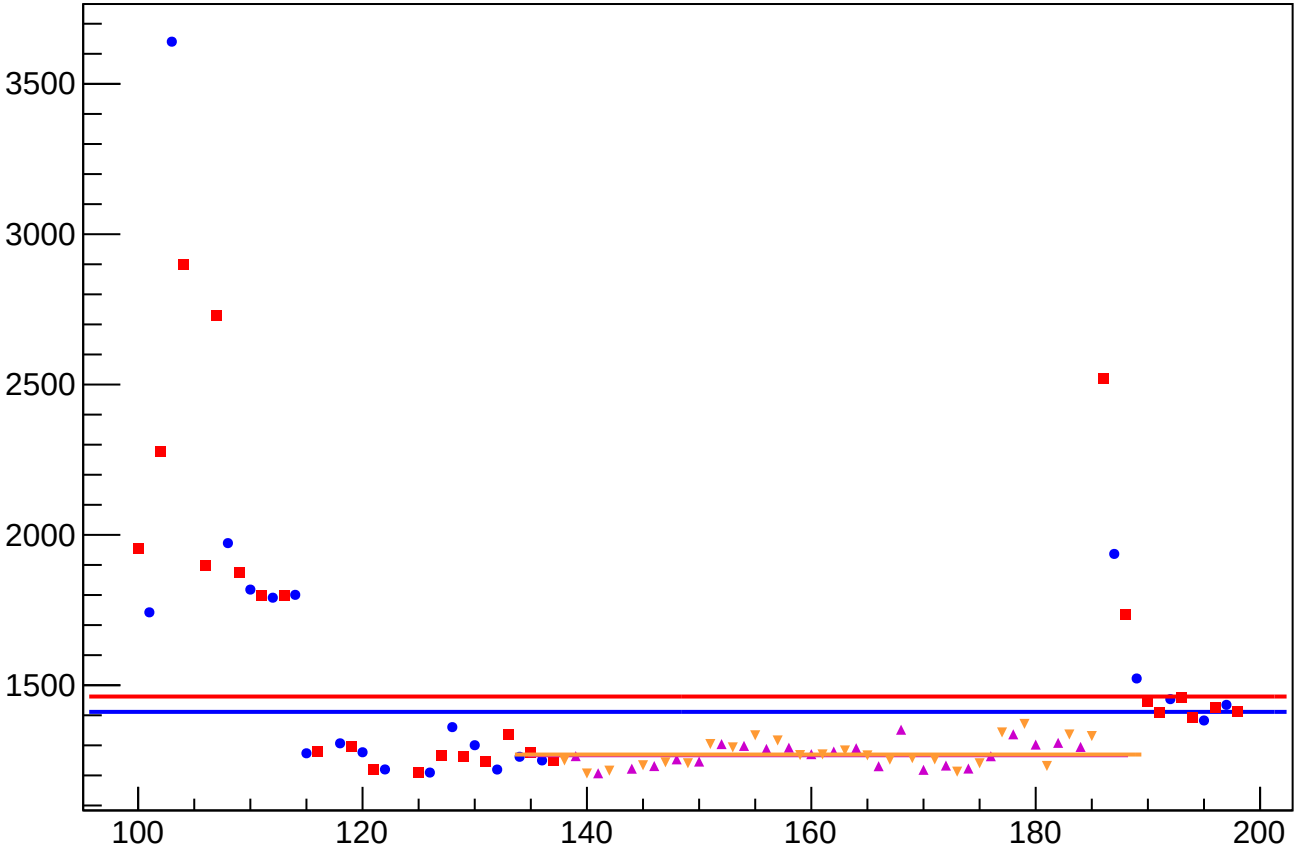
Right: 278.584+/-304.741 χ^2/NDF: 48.6/46

In: 158.395+/-245.840 χ^2/NDF:37.9/43

Out: 601.172+/-241.552 χ^2/NDF:56.8/49

All: 383.678+/-172.299 χ^2/NDF: 96.3/93

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1411.347+/-0.312 χ^2/NDF: 817960.0/20

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1462.378+/-0.298 χ^2/NDF: 1057980.1/25

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

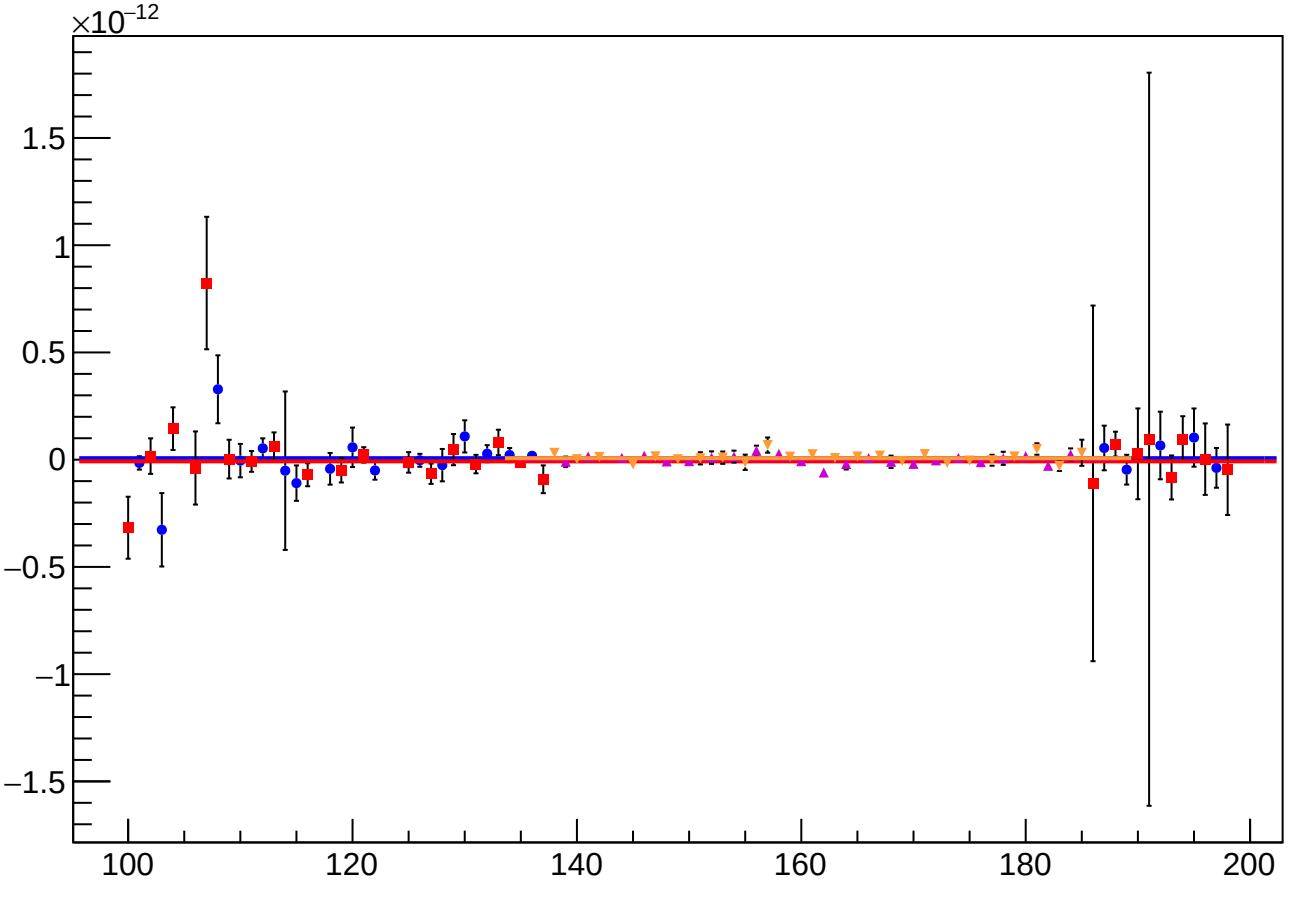
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1438.052+/-0.215 χ^2/NDF: 1889930.3/46

In: 1311.826+/-0.174 χ^2/NDF:999920.4/43

Out: 1332.876+/-0.171 χ^2/NDF:1382610.2/49

All: 1322.536+/-0.122 χ^2/NDF: 2389990.5/93



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.6/25

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

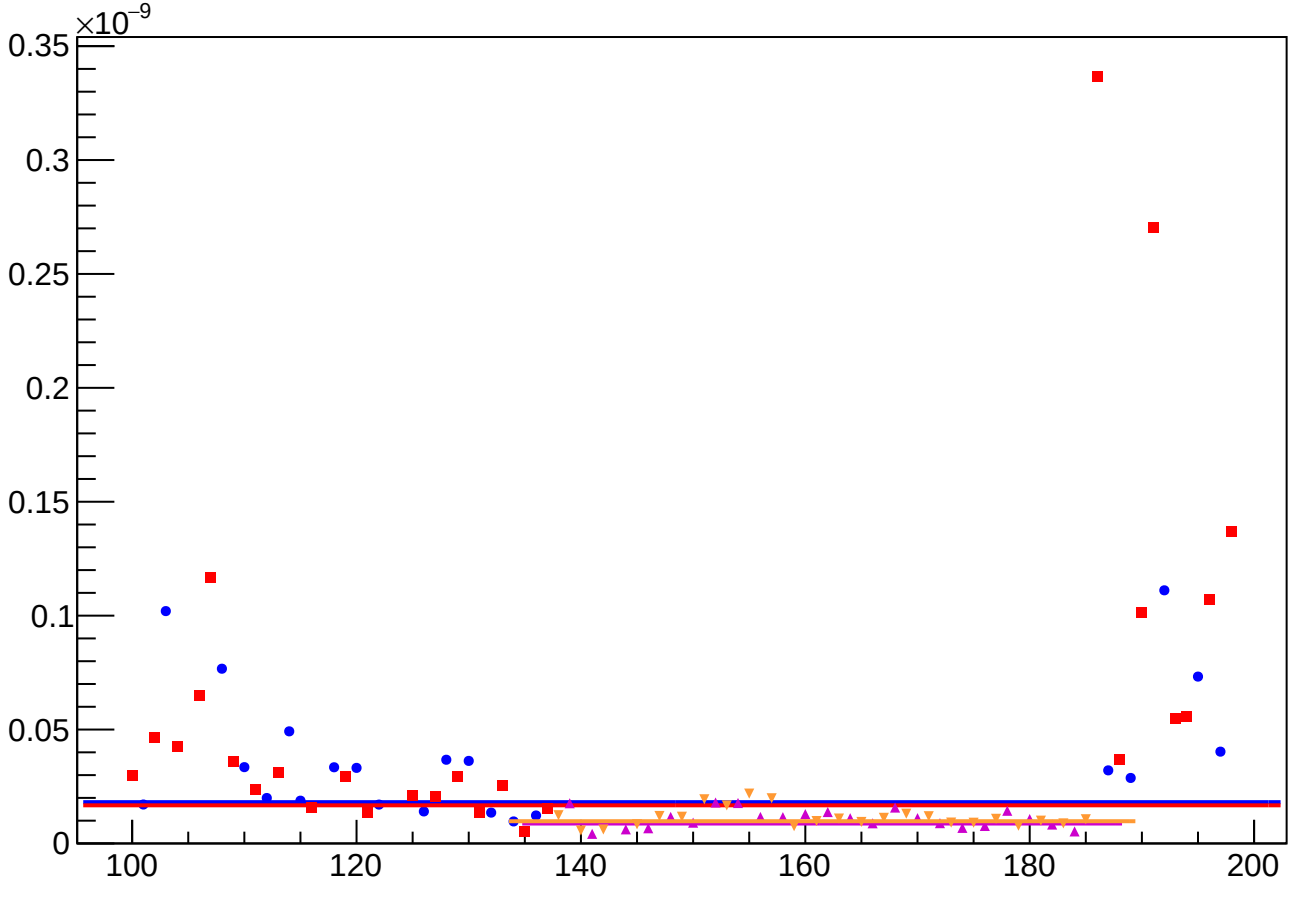
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 47.2/46

In: 0.000+/-0.000 χ^2/NDF:41.7/43

Out: 0.000+/-0.000 χ^2/NDF:49.2/49

All: 0.000+/-0.000 χ^2/NDF: 90.9/93



Right In: 0.000+/-0.000 χ^2/NDF: 2835394.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5040192.9/25

Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

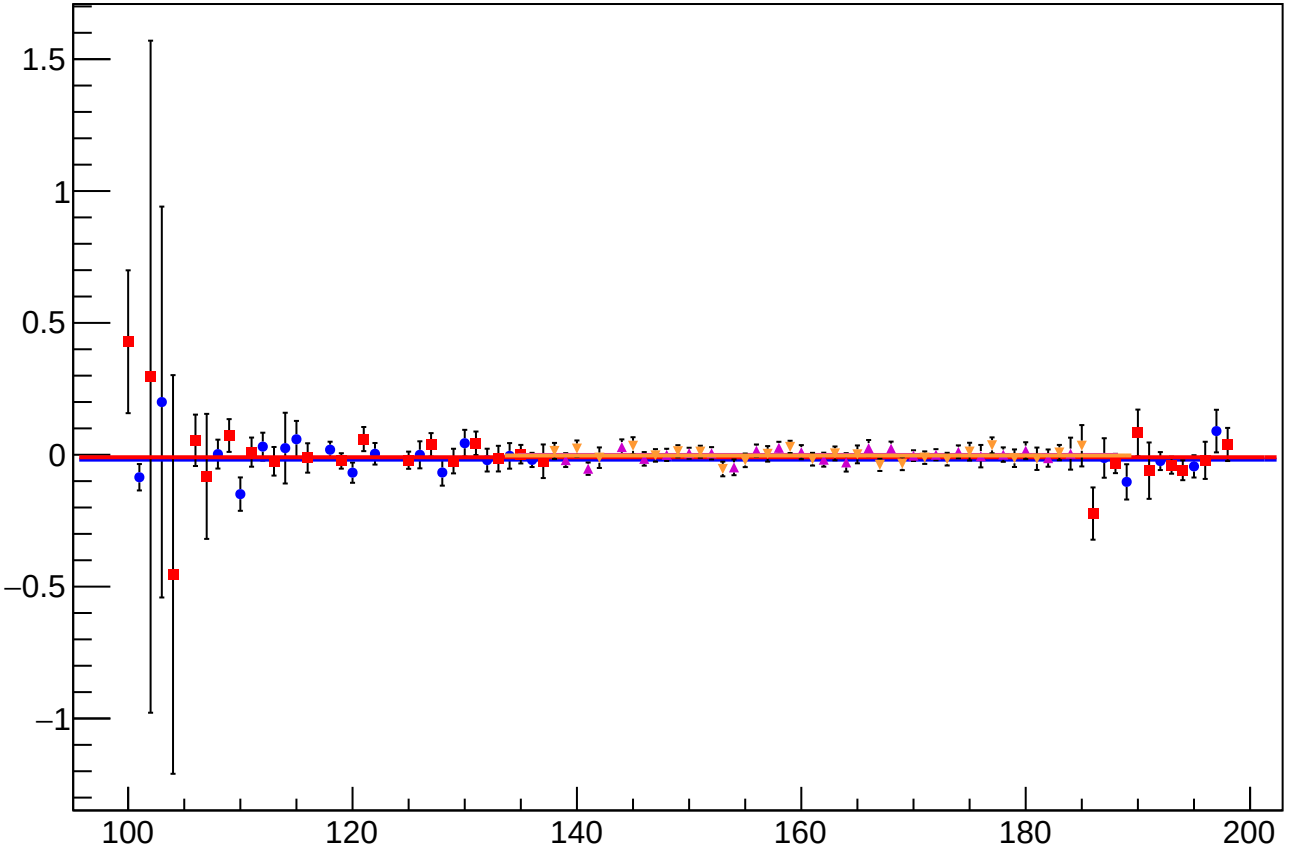
Right: 0.000+/-0.000 χ^2/NDF: 7893294.2/46

In: 0.000+/-0.000 χ^2/NDF:6169398.9/43

Out: 0.000+/-0.000 χ^2/NDF:7217125.5/49

All: 0.000+/-0.000 χ^2/NDF: 13446801.3/93

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.010 χ^2/NDF: 18.5/20

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.009+/-0.010 χ^2/NDF: 20.5/25

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

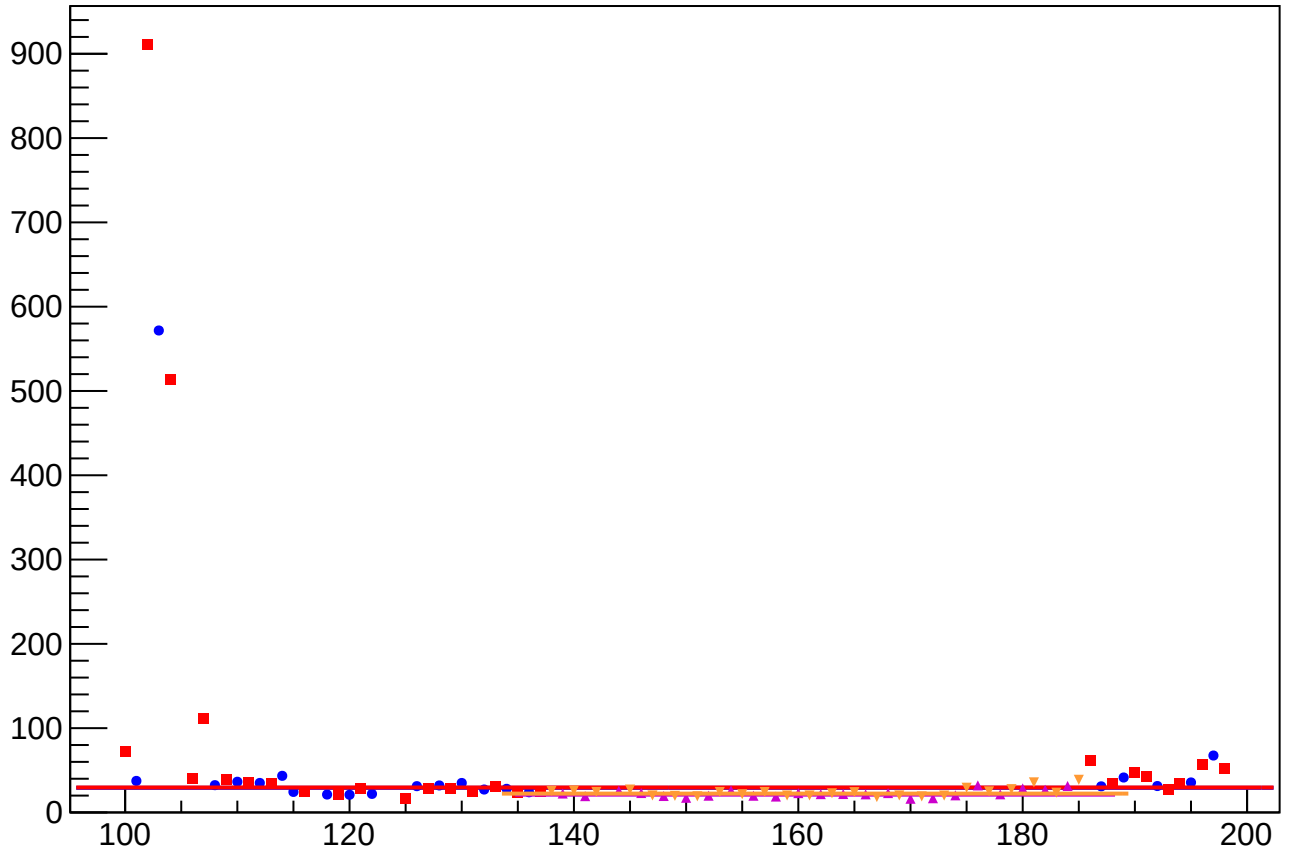
Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

Right: -0.014+/-0.007 χ^2/NDF: 39.4/46

In: -0.005+/-0.005 χ^2/NDF:35.7/43

Out: -0.004+/-0.005 χ^2/NDF:37.2/49

All: -0.005+/-0.003 χ^2/NDF: 72.9/93



Right In: 29.218+/-0.007 χ^2/NDF: 2194336.5/20

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 29.607+/-0.007 χ^2/NDF: 3720137.5/25

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

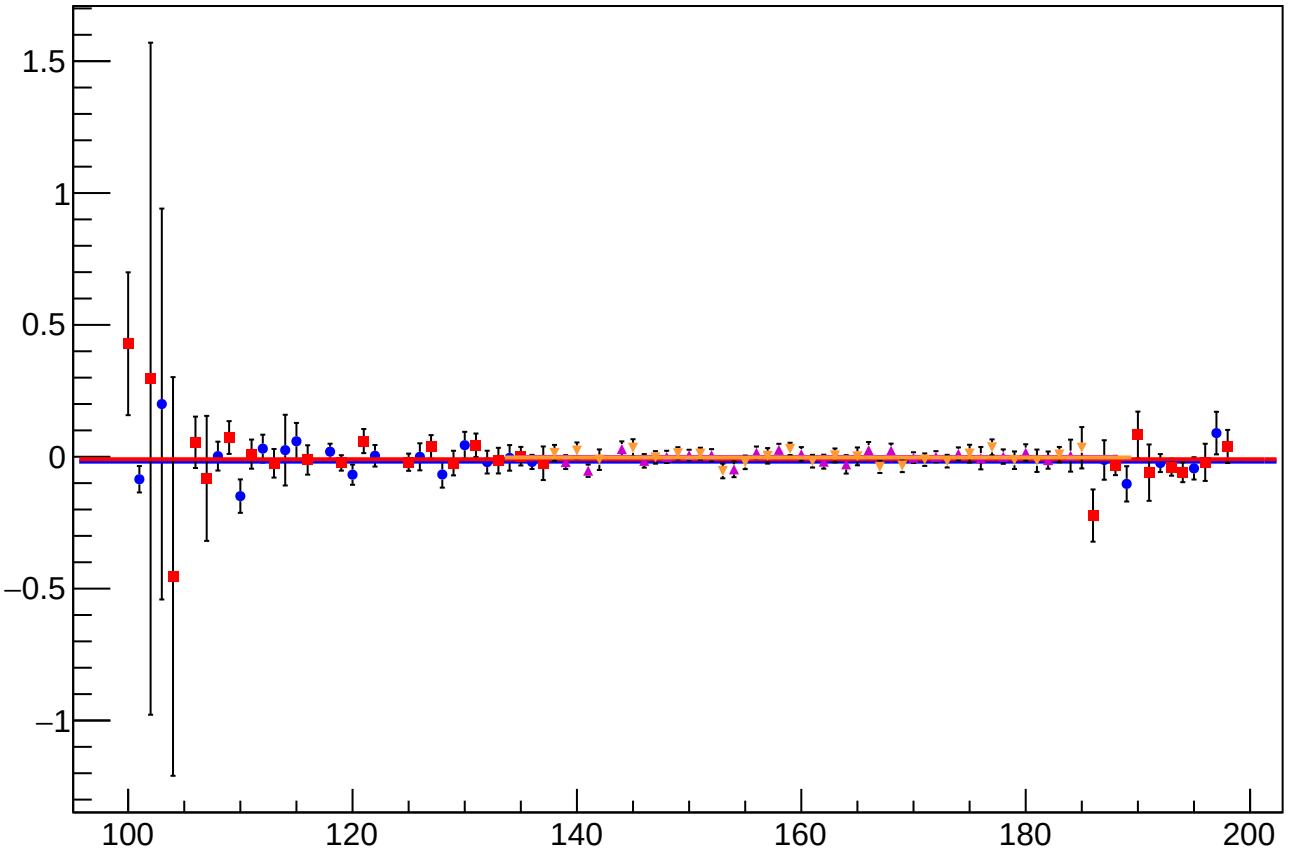
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 29.419+/-0.005 χ^2/NDF: 5915948.1/46

In: 22.888+/-0.003 χ^2/NDF:3985883.9/43

Out: 24.139+/-0.003 χ^2/NDF:5337068.8/49

All: 23.500+/-0.002 χ^2/NDF: 9388660.2/93



Right In: -0.018+/-0.010 χ^2/NDF: 18.5/20

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.009+/-0.010 χ^2/NDF: 20.5/25

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

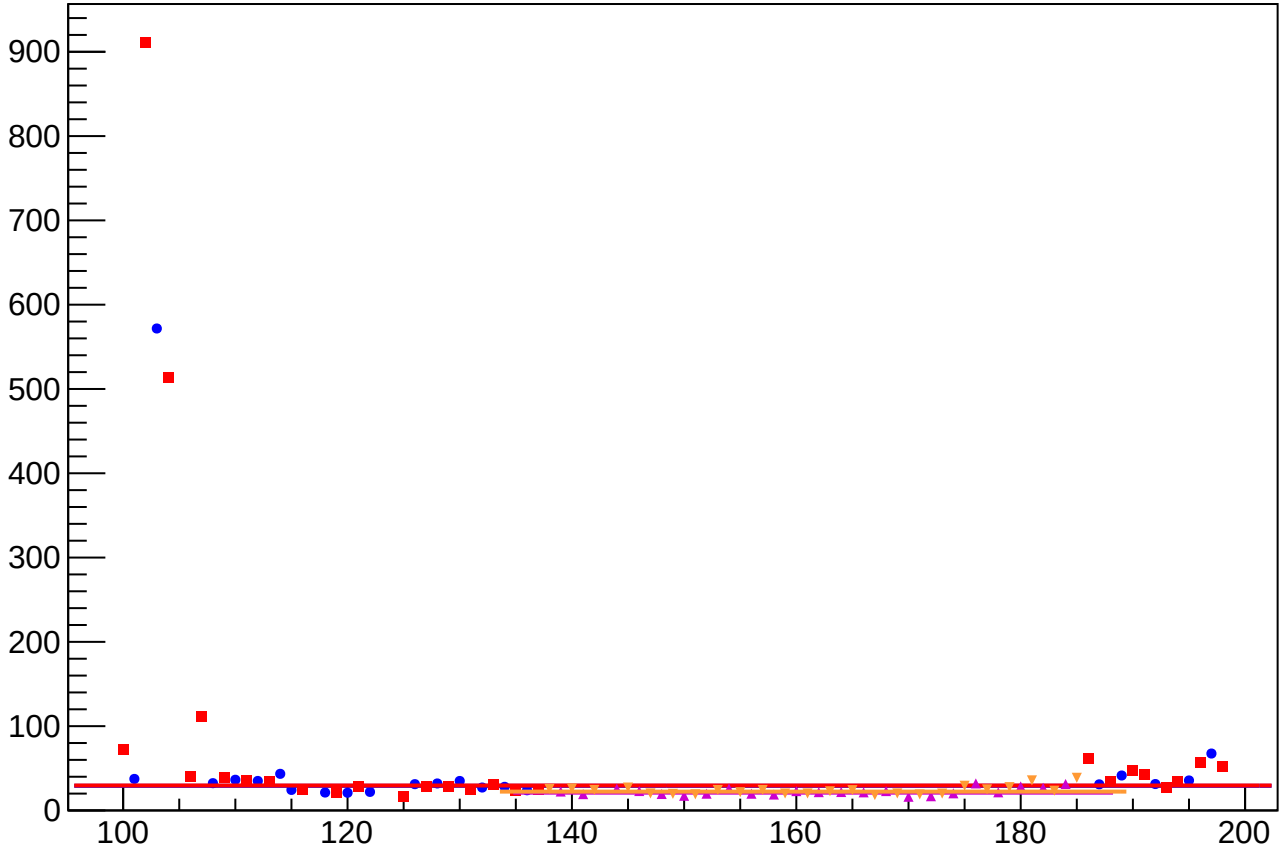
Right: -0.014+/-0.007 χ^2/NDF: 39.4/46

In: -0.005+/-0.005 χ^2/NDF:35.7/43

Out: -0.004+/-0.005 χ^2/NDF:37.2/49

All: -0.005+/-0.003 χ^2/NDF: 72.9/93

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.218+/-0.007 χ^2/NDF: 2194336.5/20

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 29.607+/-0.007 χ^2/NDF: 3720137.5/25

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

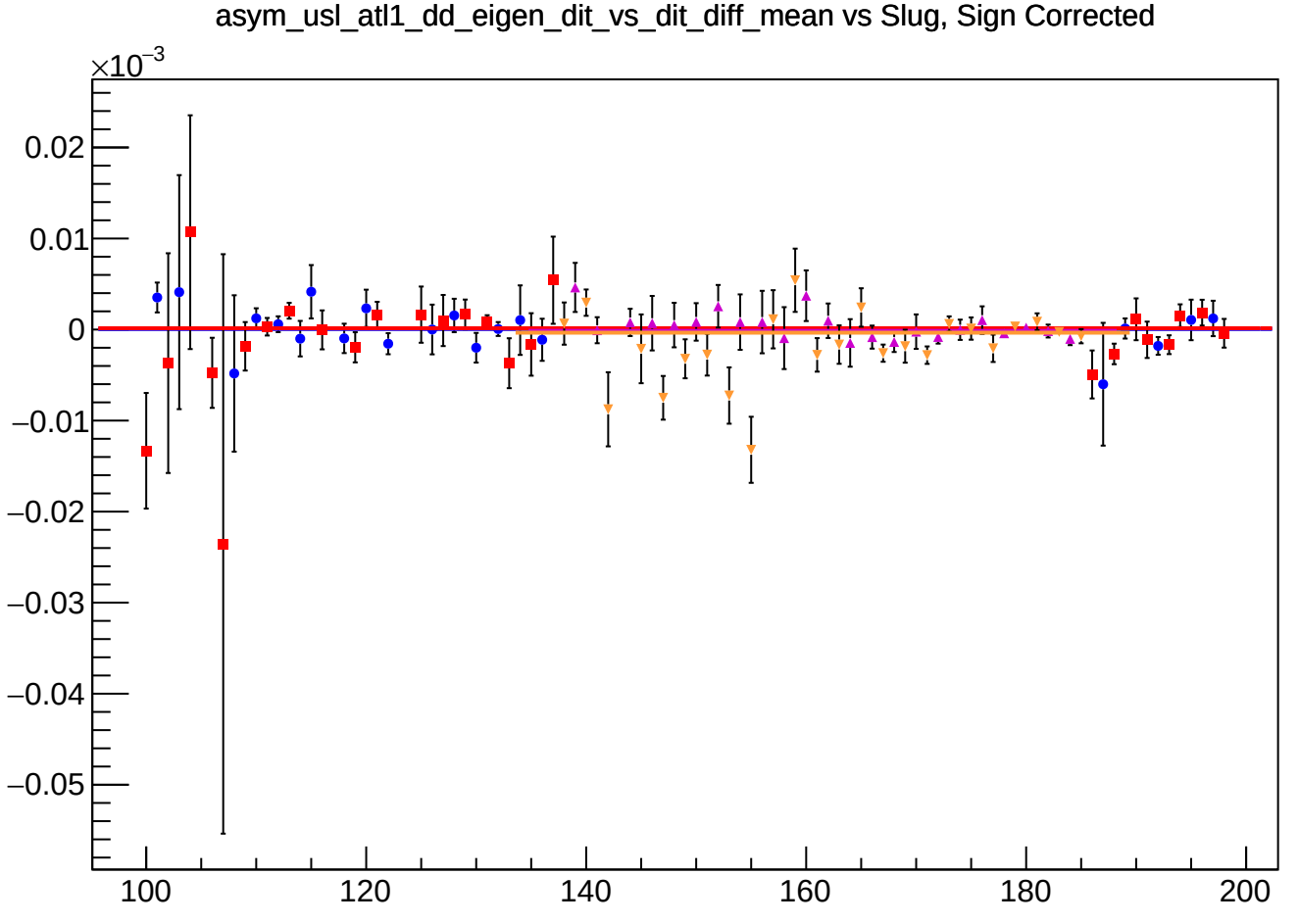
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 29.419+/-0.005 χ^2/NDF: 5915948.1/46

In: 22.888+/-0.003 χ^2/NDF:3985883.9/43

Out: 24.139+/-0.003 χ^2/NDF:5337068.8/49

All: 23.500+/-0.002 χ^2/NDF: 9388660.2/93



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 37.4/25

Left In: -0.000+/-0.000 χ^2/NDF:14.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

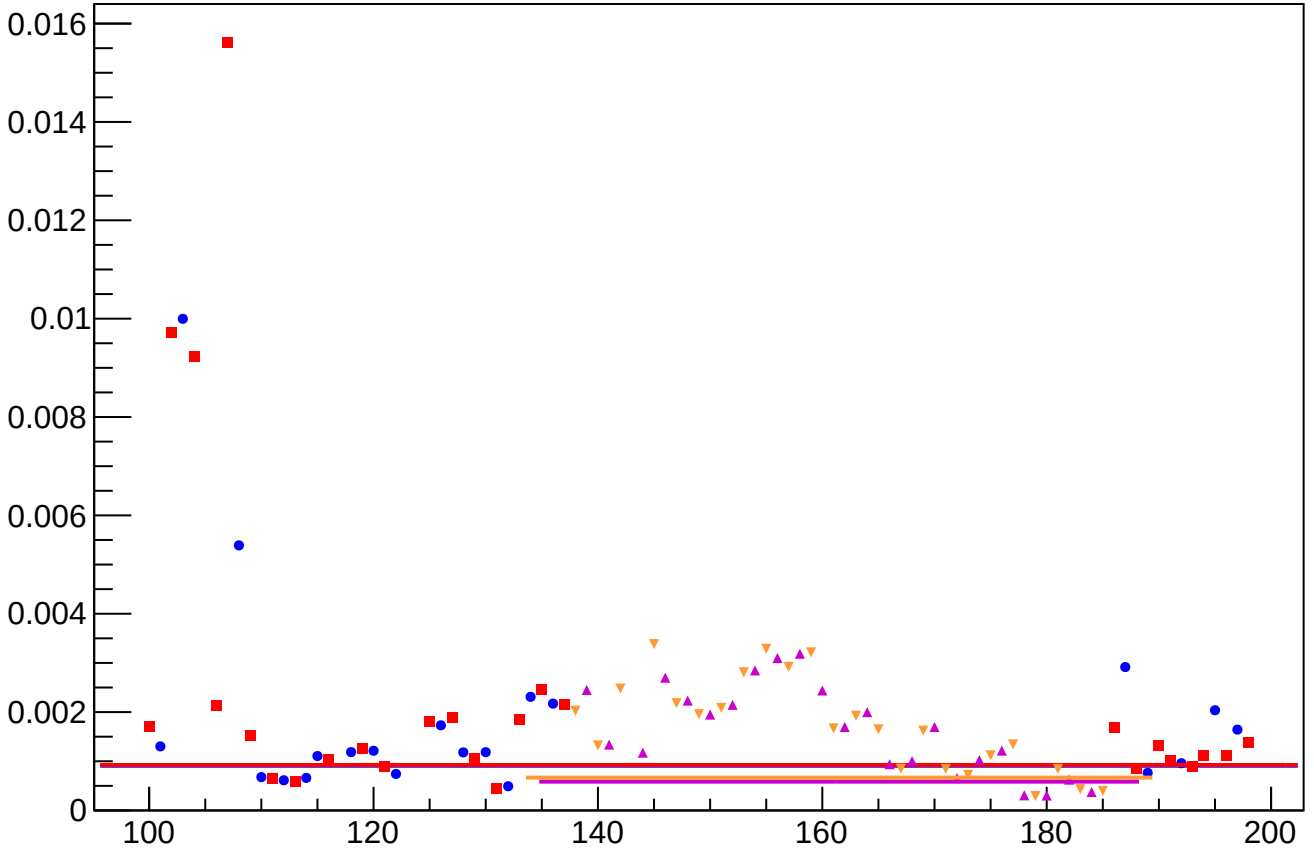
Right: 0.000+/-0.000 χ^2/NDF: 57.1/46

In: -0.000+/-0.000 χ^2/NDF:34.3/43

Out: -0.000+/-0.000 χ^2/NDF:107.1/49

All: -0.000+/-0.000 χ^2/NDF: 141.6/93

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4924634.6/20

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 5613762.3/25

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

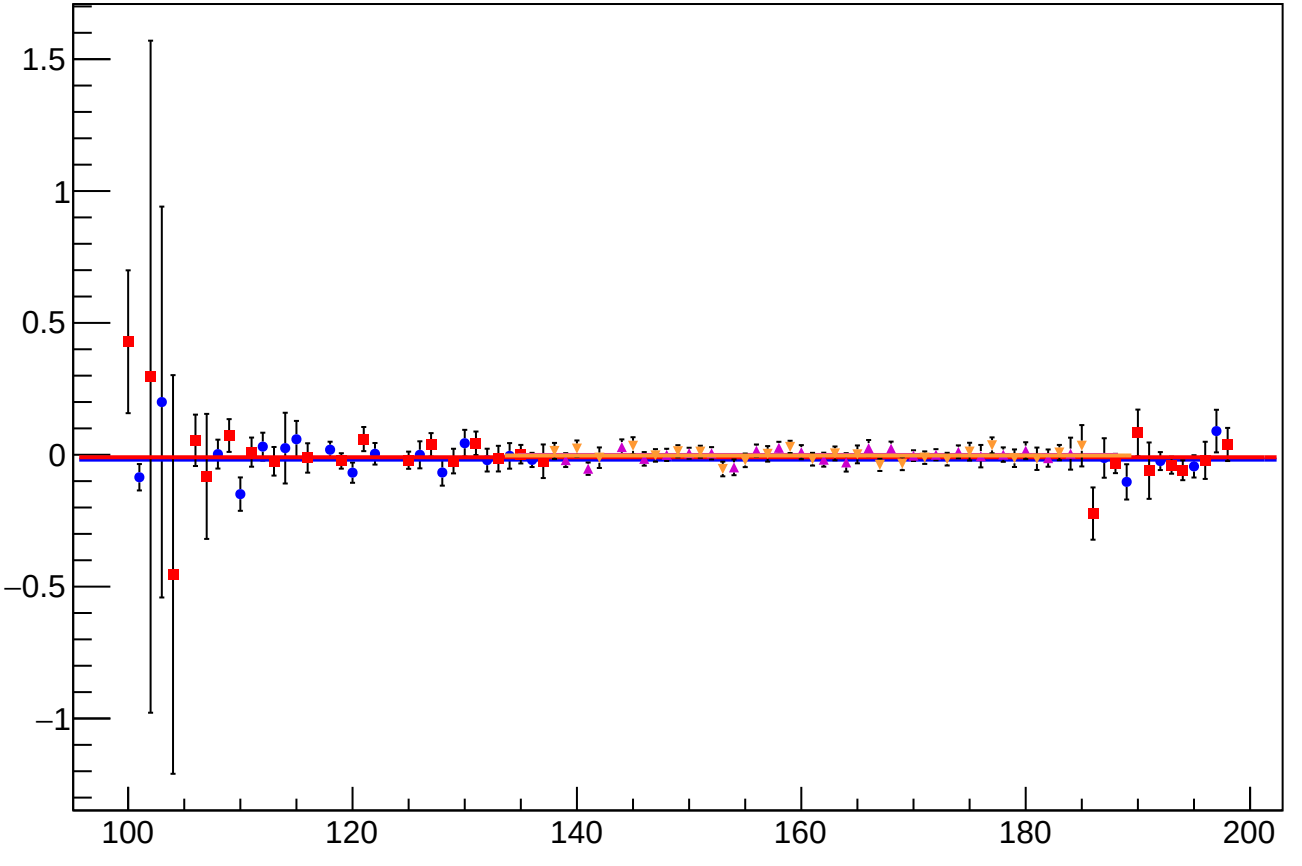
Right: 0.001+/-0.000 χ^2/NDF: 10540555.7/46

In: 0.001+/-0.000 χ^2/NDF:22069726.1/43

Out: 0.001+/-0.000 χ^2/NDF:21922741.3/49

All: 0.001+/-0.000 χ^2/NDF: 44213955.5/93

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.010 χ^2/NDF: 18.5/20

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.009+/-0.010 χ^2/NDF: 20.5/25

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

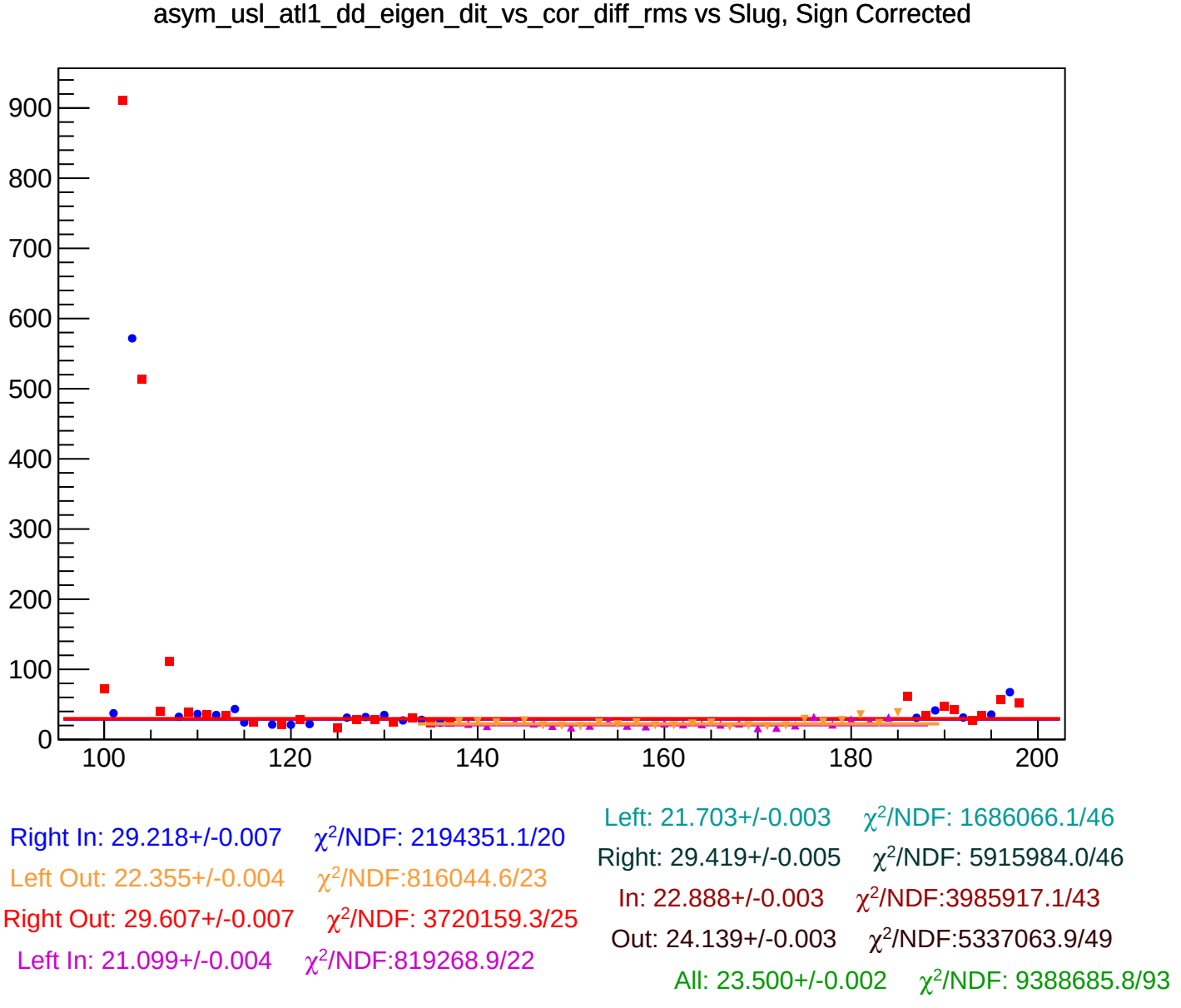
Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

Right: -0.014+/-0.007 χ^2/NDF: 39.4/46

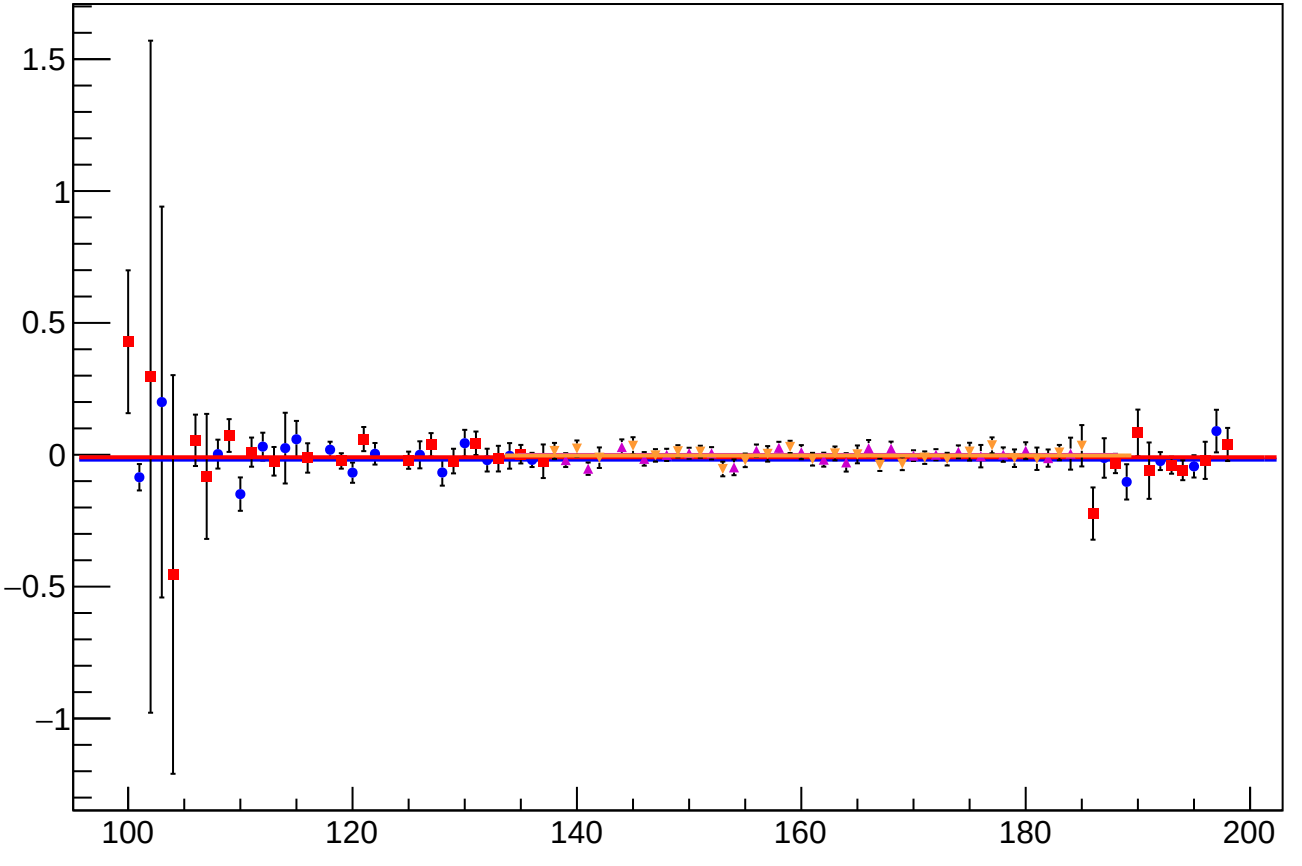
In: -0.005+/-0.005 χ^2/NDF:35.7/43

Out: -0.004+/-0.005 χ^2/NDF:37.2/49

All: -0.005+/-0.003 χ^2/NDF: 72.9/93


asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
900
800
700
600
500
400
300
200
100
0
100
120
140
160
180
200
Right In: 29.218+/-0.007 χ2/NDF: 2194351.1/20
Left Out: 22.355+/-0.004 χ2/NDF:816044.6/23
Right Out: 29.607+/-0.007 χ2/NDF: 3720159.3/25
Left In: 21.099+/-0.004 χ2/NDF:819268.9/22
Left: 21.703+/-0.003 χ2/NDF: 1686066.1/46
Right: 29.419+/-0.005 χ2/NDF: 5915984.0/46
In: 22.888+/-0.003 χ2/NDF:3985917.1/43
Out: 24.139+/-0.003 χ2/NDF:5337063.9/49
All: 23.500+/-0.002 χ2/NDF: 9388685.8/93

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.010 χ^2/NDF: 18.5/20

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.009+/-0.010 χ^2/NDF: 20.5/25

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

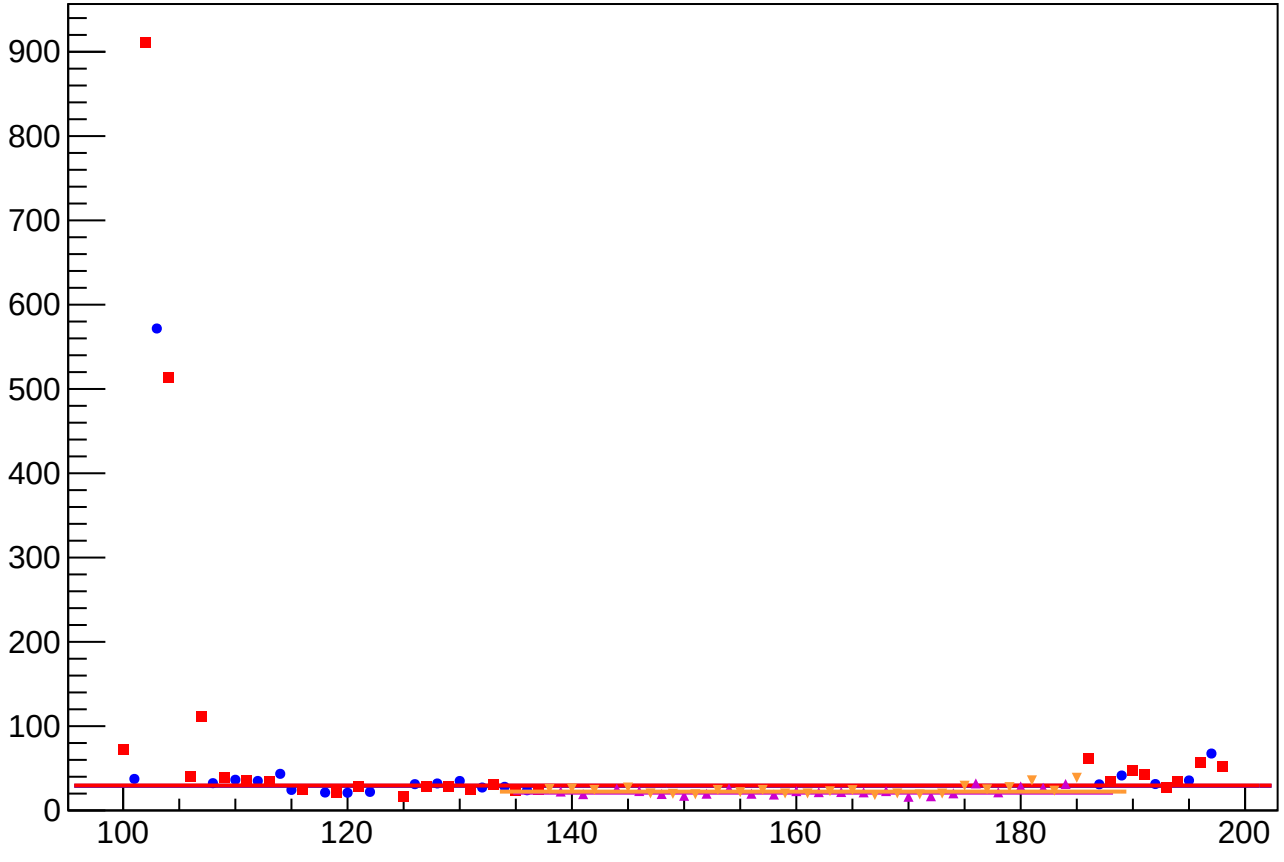
Right: -0.014+/-0.007 χ^2/NDF: 39.4/46

In: -0.005+/-0.005 χ^2/NDF:35.7/43

Out: -0.004+/-0.005 χ^2/NDF:37.2/49

All: -0.005+/-0.003 χ^2/NDF: 72.9/93

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.218+/-0.007 χ^2/NDF: 2194351.1/20

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 29.607+/-0.007 χ^2/NDF: 3720159.3/25

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

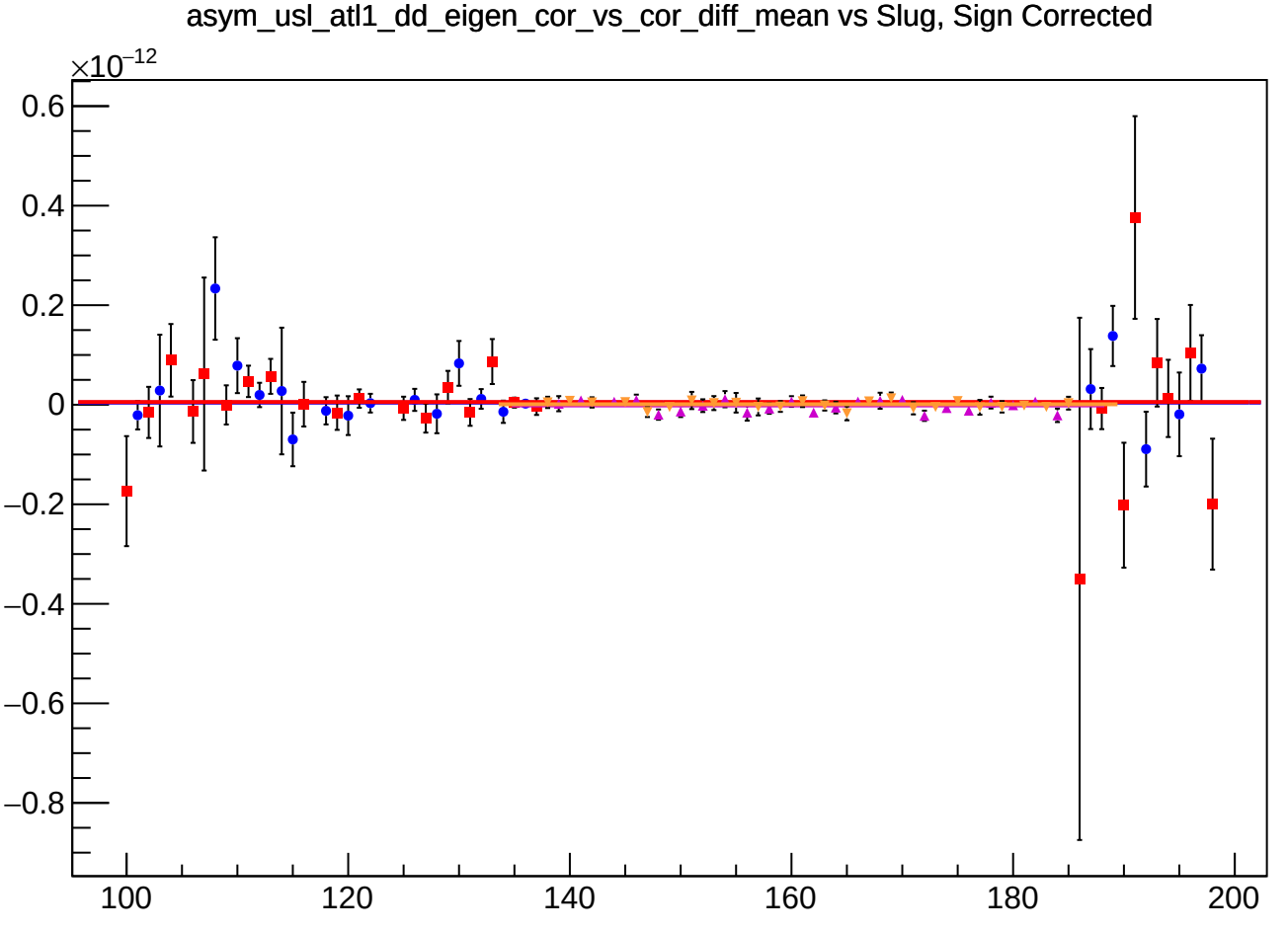
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 29.419+/-0.005 χ^2/NDF: 5915984.0/46

In: 22.888+/-0.003 χ^2/NDF:3985917.1/43

Out: 24.139+/-0.003 χ^2/NDF:5337063.9/49

All: 23.500+/-0.002 χ^2/NDF: 9388685.8/93



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.2/25

Left In: -0.000+/-0.000 χ^2/NDF:25.8/22

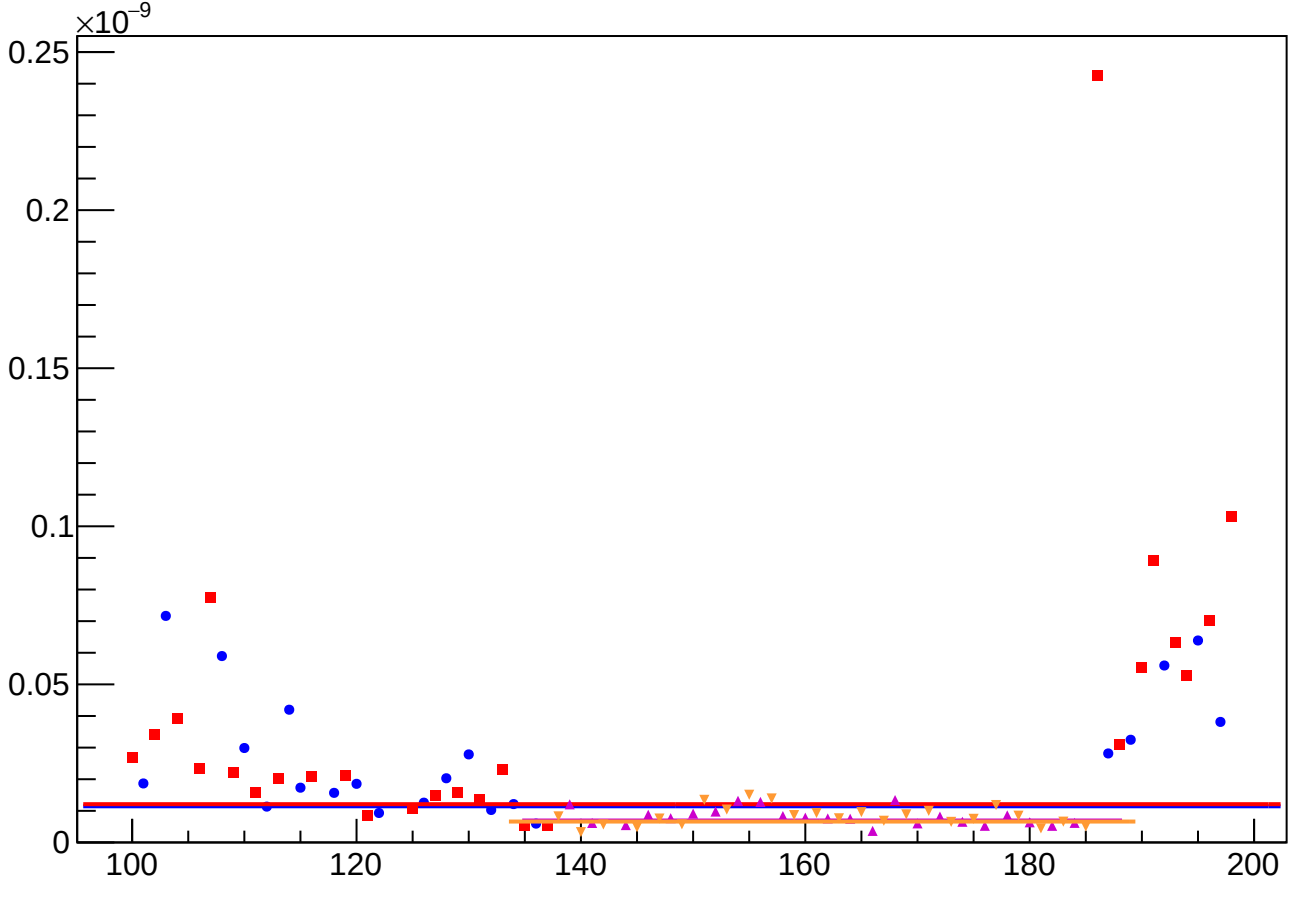
Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

Right: 0.000+/-0.000 χ^2/NDF: 48.9/46

In: -0.000+/-0.000 χ^2/NDF:49.4/43

Out: 0.000+/-0.000 χ^2/NDF:38.3/49

All: 0.000+/-0.000 χ^2/NDF: 88.3/93



Right In: 0.000+/-0.000 χ^2/NDF: 4978127.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7136210.6/25

Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

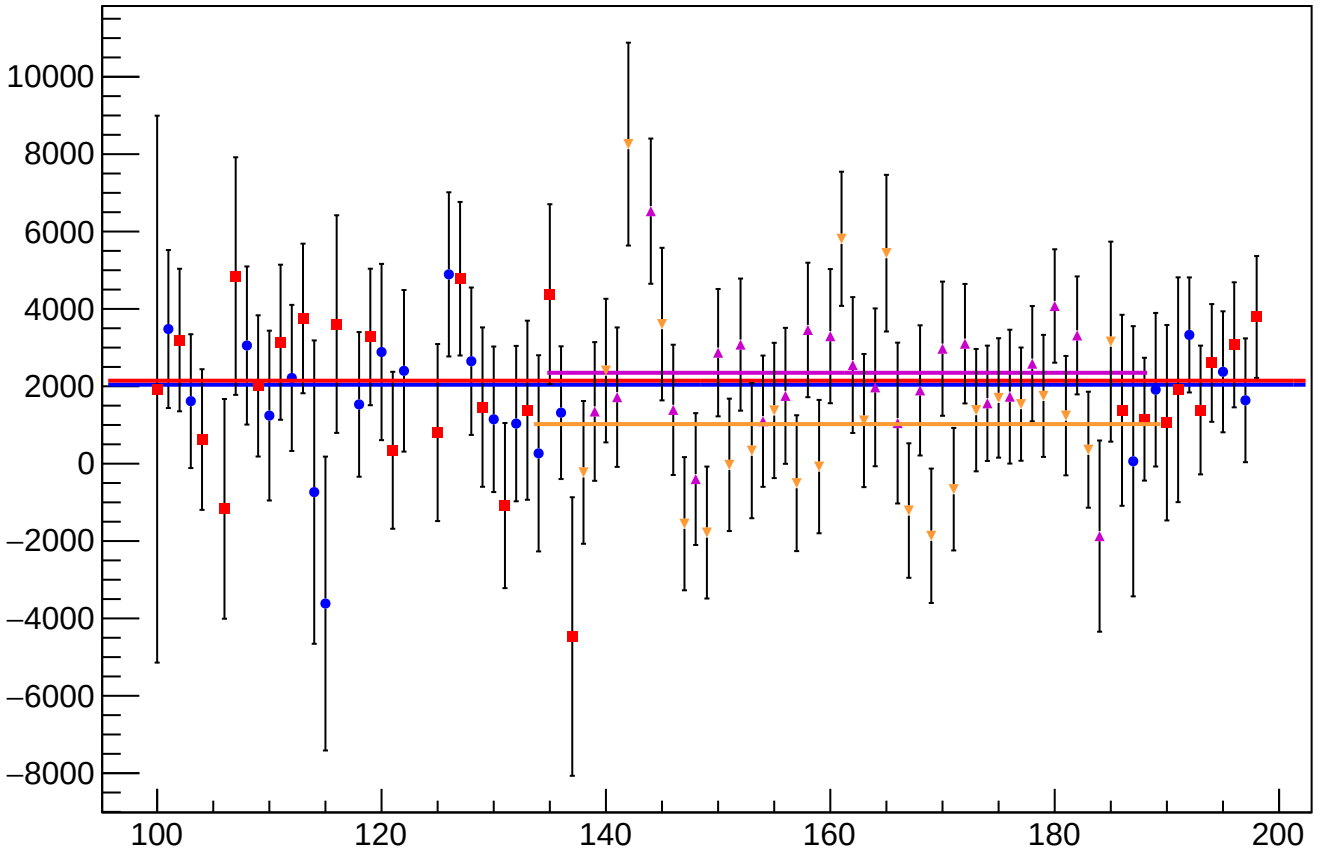
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 12127541.7/46

In: 0.000+/-0.000 χ^2/NDF:8415922.1/43

Out: 0.000+/-0.000 χ^2/NDF:12123509.0/49

All: 0.000+/-0.000 χ^2/NDF: 20563844.4/93



Right In: 2040.789+/-436.223 χ^2/NDF: 8.1/20

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: 2144.814+/-404.246 χ^2/NDF: 16.9/25

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

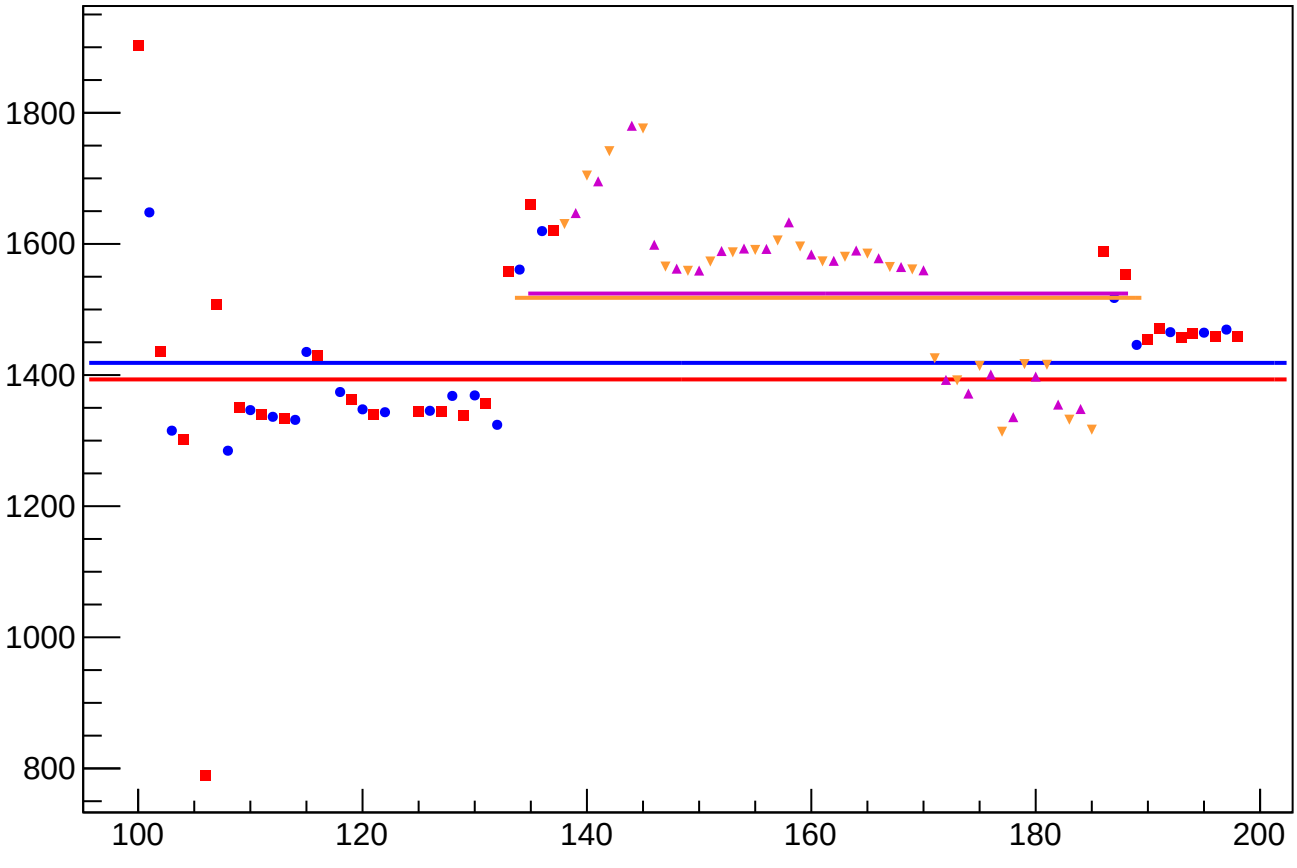
Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

Right: 2096.754+/-296.506 χ^2/NDF: 25.1/46

In: 2225.458+/-276.306 χ^2/NDF:24.4/43

Out: 1508.826+/-266.089 χ^2/NDF:57.7/49

All: 1853.646+/-191.664 χ^2/NDF: 85.6/93



Right In: 1418.590+/-0.308 χ^2/NDF: 104706.7/20

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1393.347+/-0.280 χ^2/NDF: 391351.4/25

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

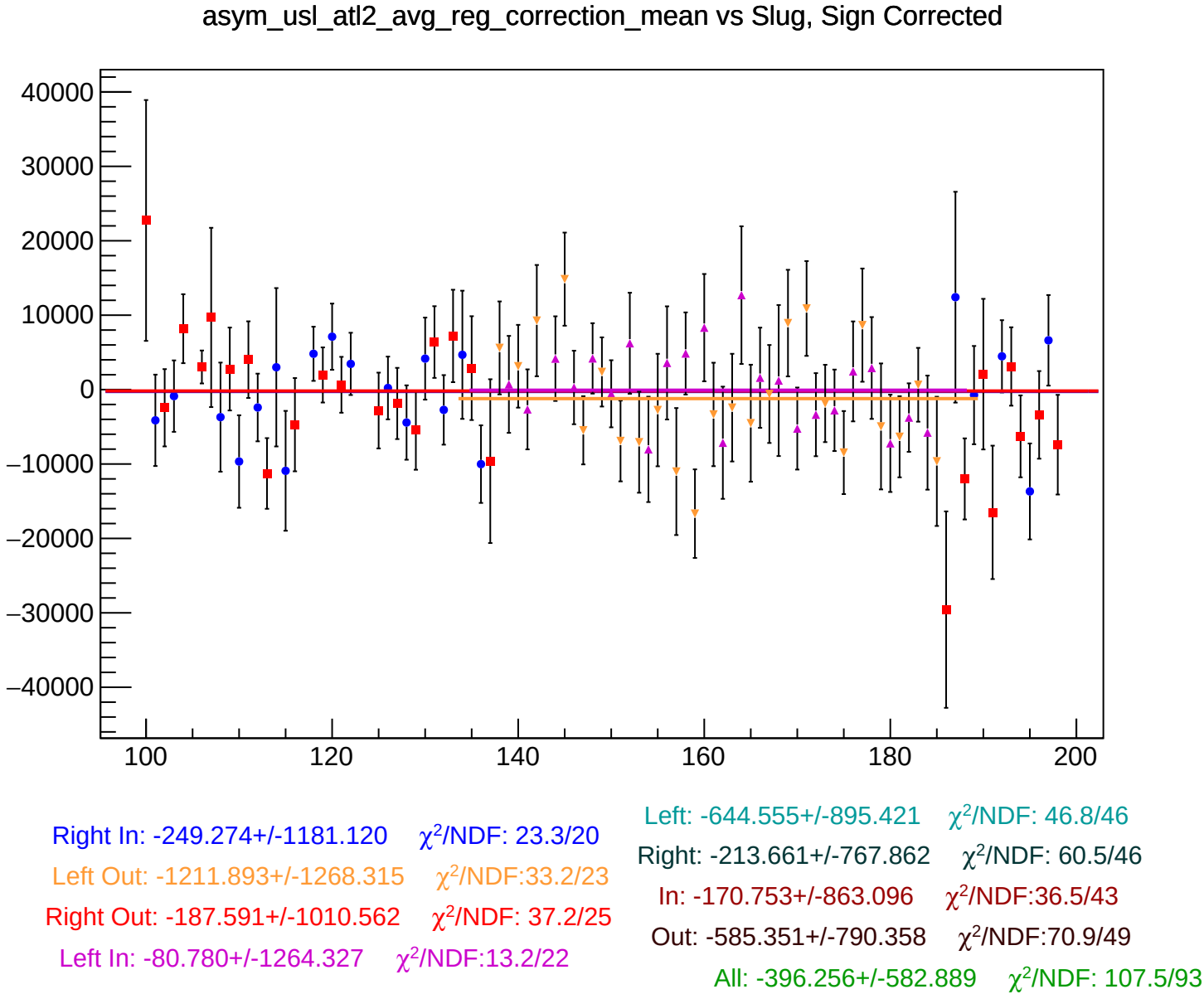
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

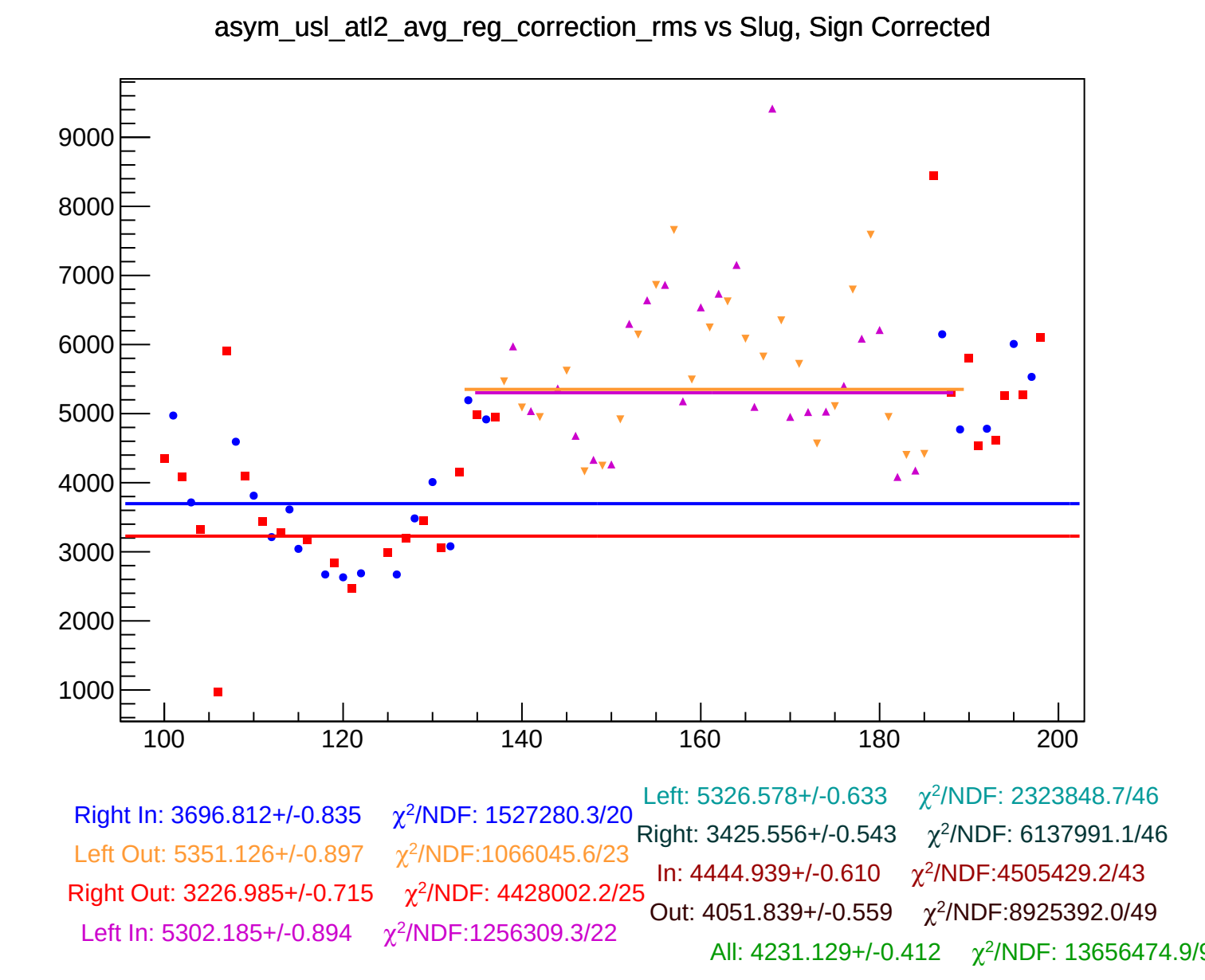
Right: 1404.765+/-0.207 χ^2/NDF: 499725.8/46

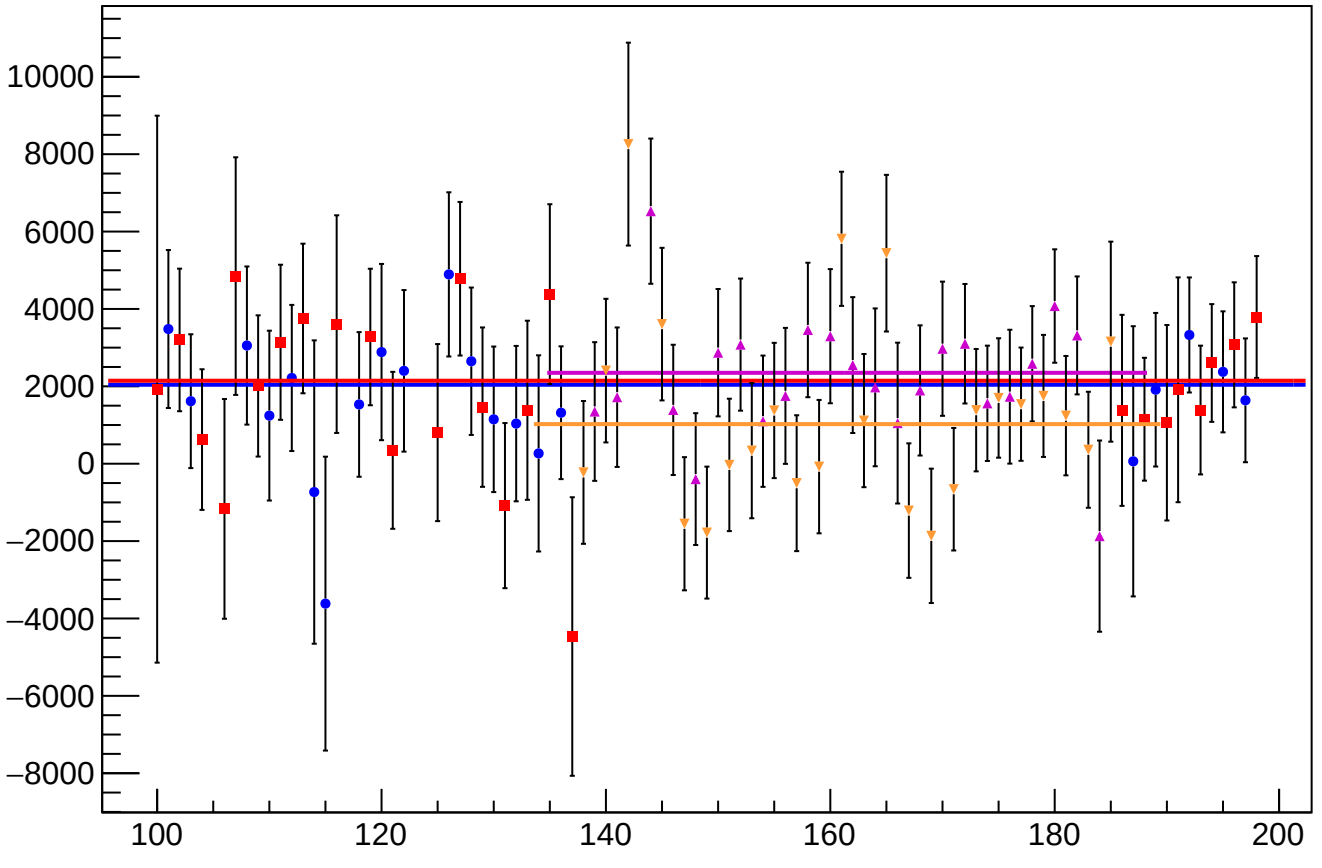
In: 1481.897+/-0.195 χ^2/NDF:399374.4/43

Out: 1462.693+/-0.187 χ^2/NDF:735144.1/49

All: 1471.852+/-0.135 χ^2/NDF: 1139572.2/93


asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -249.274+/-1181.120 χ²/NDF: 23.3/20
Left Out: -1211.893+/-1268.315 χ²/NDF:33.2/23
Right Out: -187.591+/-1010.562 χ²/NDF: 37.2/25
Left In: -80.780+/-1264.327 χ²/NDF:13.2/22
Left: -644.555+/-895.421 χ²/NDF: 46.8/46
Right: -213.661+/-767.862 χ²/NDF: 60.5/46
In: -170.753+/-863.096 χ²/NDF:36.5/43
Out: -585.351+/-790.358 χ²/NDF:70.9/49
All: -396.256+/-582.889 χ²/NDF: 107.5/93


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: 3696.812+/-0.835 χ²/NDF: 1527280.3/20
Left Out: 5351.126+/-0.897 χ²/NDF:1066045.6/23
Right Out: 3226.985+/-0.715 χ²/NDF: 4428002.2/25
Left In: 5302.185+/-0.894 χ²/NDF:1256309.3/22
Left: 5326.578+/-0.633 χ²/NDF: 2323848.7/46
Right: 3425.556+/-0.543 χ²/NDF: 6137991.1/46
In: 4444.939+/-0.610 χ²/NDF:4505429.2/43
Out: 4051.839+/-0.559 χ²/NDF:8925392.0/49
All: 4231.129+/-0.412 χ²/NDF: 13656474.9/9



Right In: 2040.839+/-436.224 χ^2/NDF: 8.1/20

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2144.942+/-404.248 χ^2/NDF: 16.9/25

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

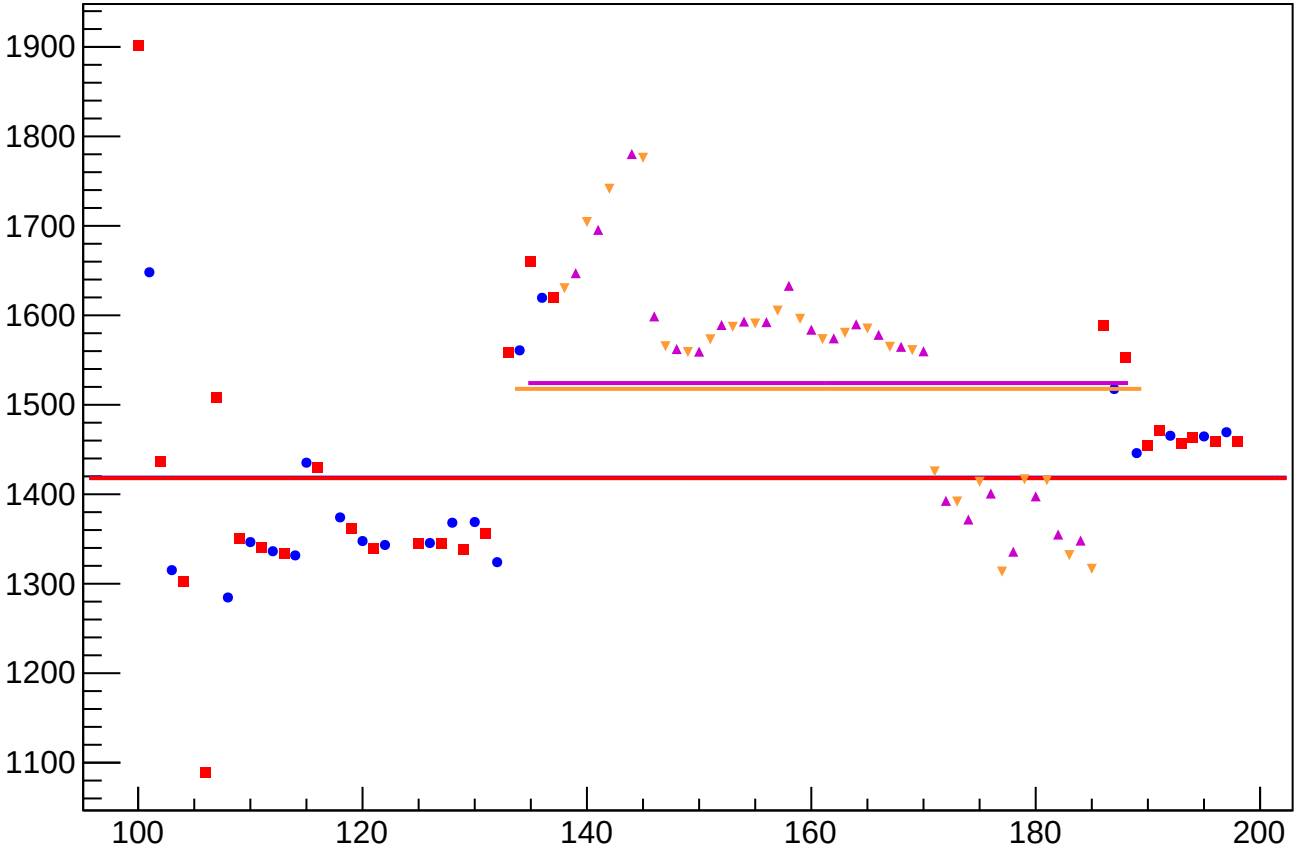
Right: 2096.845+/-296.507 χ^2/NDF: 25.1/46

In: 2225.476+/-276.306 χ^2/NDF:24.4/43

Out: 1508.896+/-266.089 χ^2/NDF:57.7/49

All: 1853.692+/-191.664 χ^2/NDF: 85.6/93

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1418.589+/-0.308 χ^2/NDF: 104706.7/20

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1417.988+/-0.284 χ^2/NDF: 158010.9/25

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

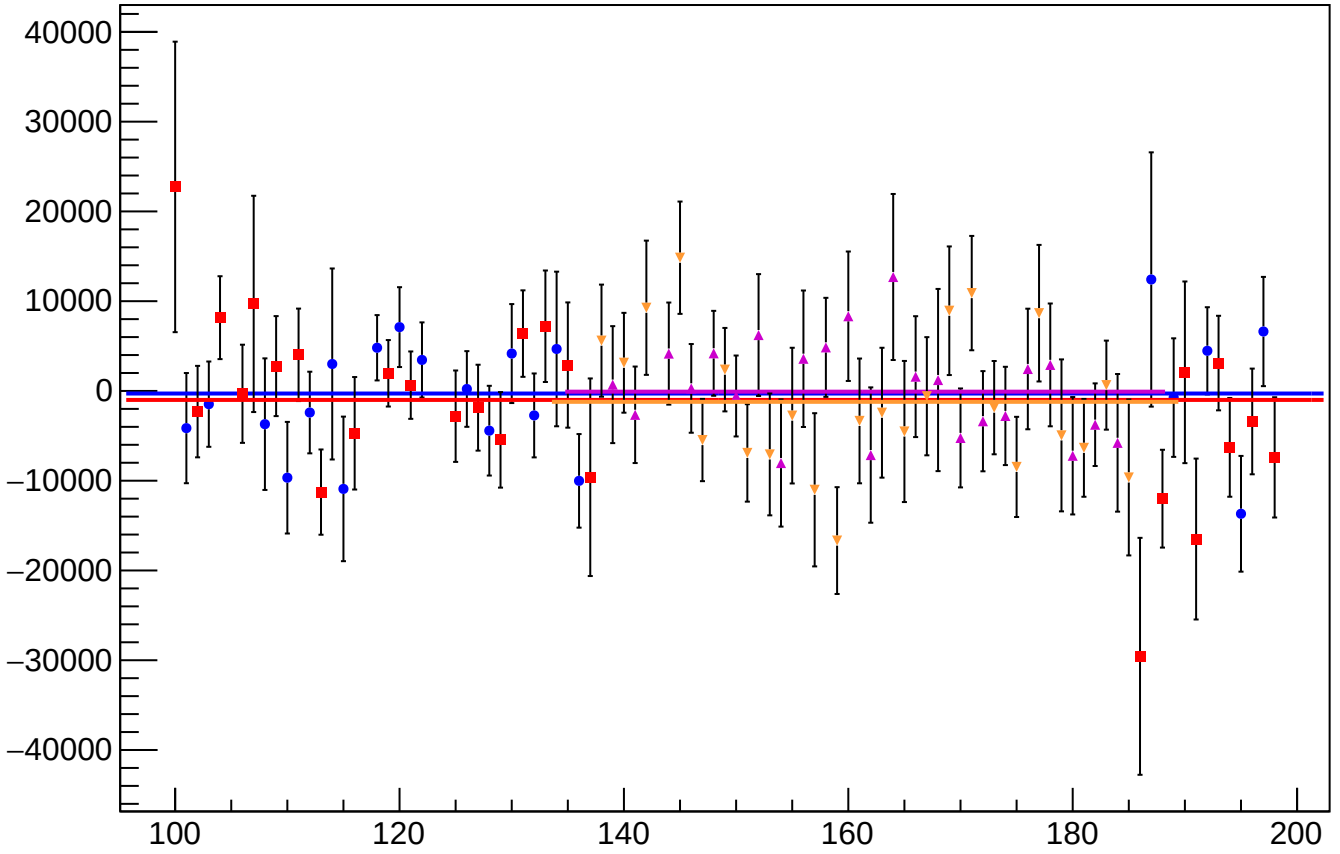
Right: 1418.264+/-0.209 χ^2/NDF: 262719.7/46

In: 1481.897+/-0.195 χ^2/NDF:399374.5/43

Out: 1474.164+/-0.187 χ^2/NDF:461727.6/49

All: 1477.871+/-0.135 χ^2/NDF: 861917.8/93

asym_usl_atl2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -287.245+/-1180.374 χ^2/NDF: 23.3/20

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -1000.399+/-1110.821 χ^2/NDF: 34.6/25

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

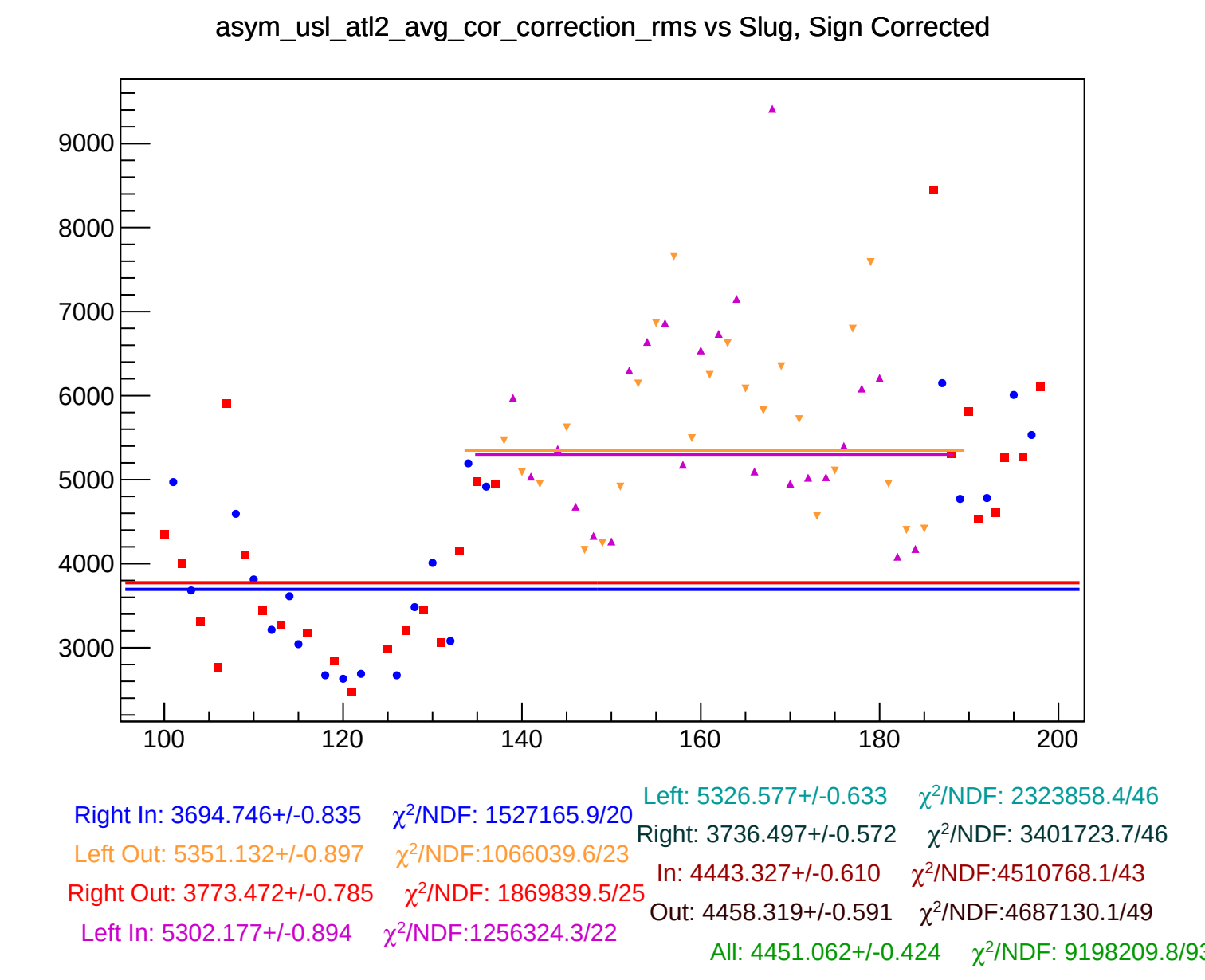
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

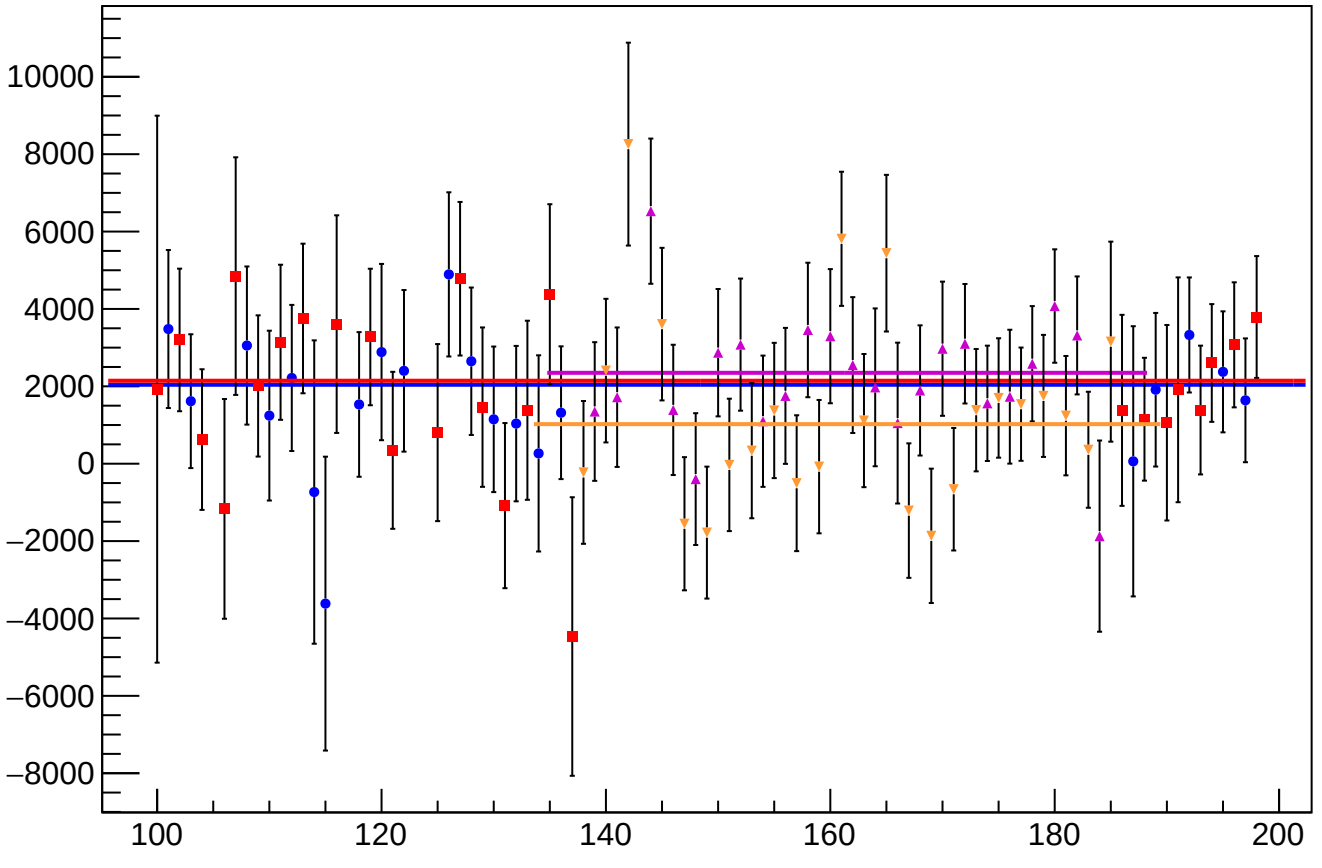
Right: -665.451+/-808.941 χ^2/NDF: 58.1/46

In: -191.052+/-862.804 χ^2/NDF:36.6/43

Out: -1092.205+/-835.637 χ^2/NDF:67.8/49

All: -656.039+/-600.259 χ^2/NDF: 104.9/93


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: 3694.746+/-0.835 χ²/NDF: 1527165.9/20
Left Out: 5351.132+/-0.897 χ²/NDF:1066039.6/23
Right Out: 3773.472+/-0.785 χ²/NDF: 1869839.5/25
Left In: 5302.177+/-0.894 χ²/NDF:1256324.3/22
Left: 5326.577+/-0.633 χ²/NDF: 2323858.4/46
Right: 3736.497+/-0.572 χ²/NDF: 3401723.7/46
In: 4443.327+/-0.610 χ²/NDF:4510768.1/43
Out: 4458.319+/-0.591 χ²/NDF:4687130.1/49
All: 4451.062+/-0.424 χ²/NDF: 9198209.8/93



Right In: 2040.839+/-436.224 χ^2/NDF: 8.1/20

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2144.942+/-404.248 χ^2/NDF: 16.9/25

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

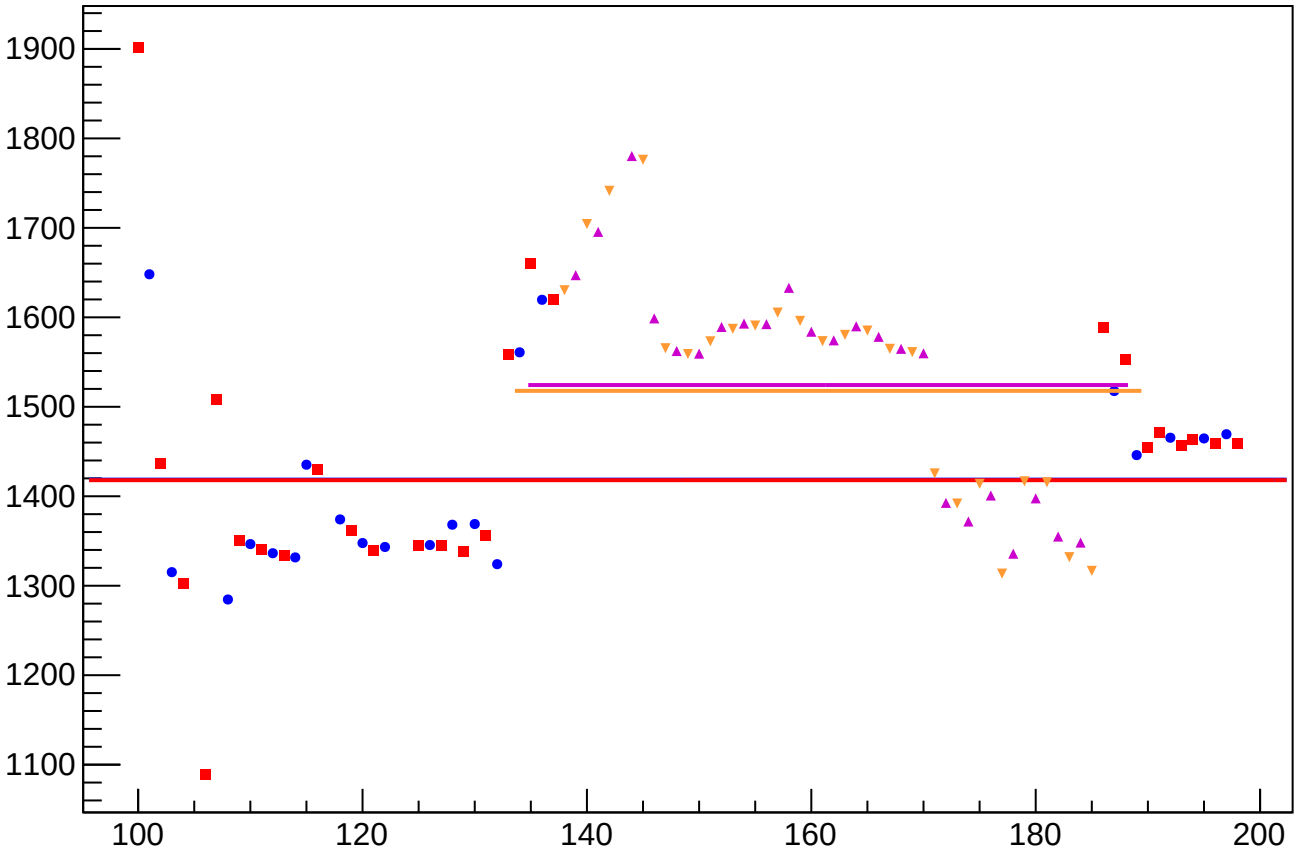
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2096.845+/-296.507 χ^2/NDF: 25.1/46

In: 2225.476+/-276.306 χ^2/NDF:24.4/43

Out: 1508.896+/-266.089 χ^2/NDF:57.7/49

All: 1853.692+/-191.664 χ^2/NDF: 85.6/93



Right In: 1418.589+/-0.308 χ^2/NDF: 104706.7/20

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1417.988+/-0.284 χ^2/NDF: 158010.9/25

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

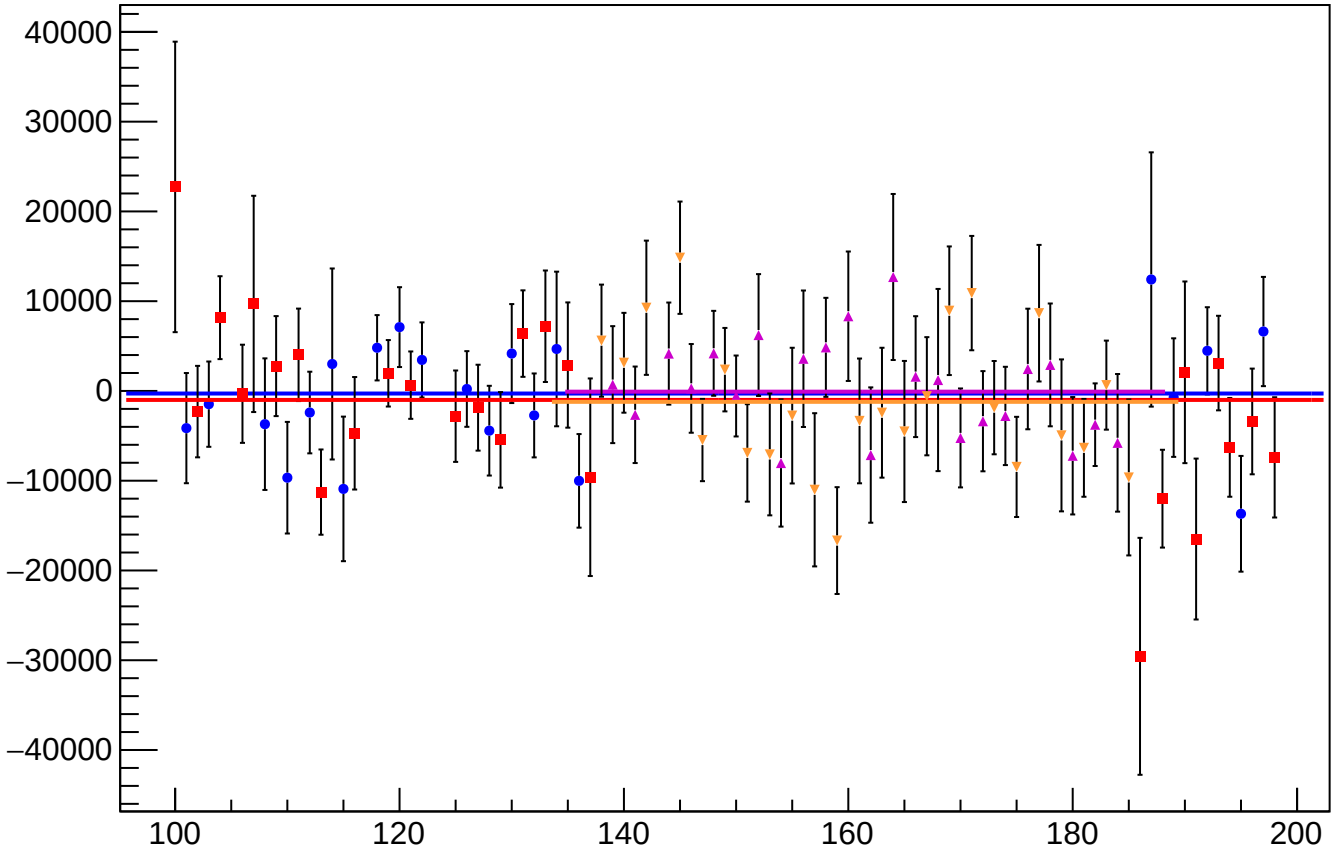
Right: 1418.264+/-0.209 χ^2/NDF: 262719.7/46

In: 1481.897+/-0.195 χ^2/NDF:399374.5/43

Out: 1474.164+/-0.187 χ^2/NDF:461727.6/49

All: 1477.871+/-0.135 χ^2/NDF: 861917.8/93

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -287.245+/-1180.374 χ^2/NDF: 23.3/20

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -1000.399+/-1110.821 χ^2/NDF: 34.6/25

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

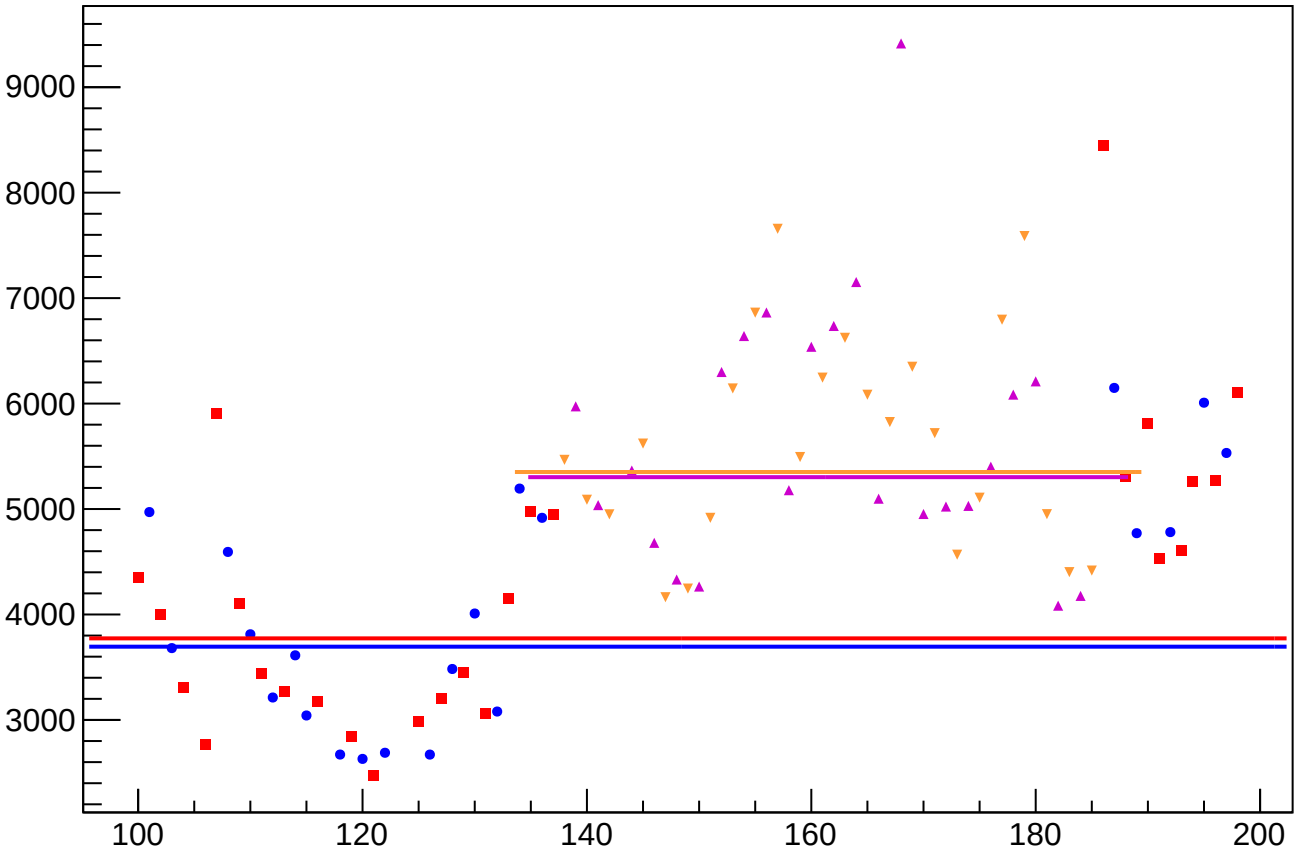
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: -665.451+/-808.941 χ^2/NDF: 58.1/46

In: -191.052+/-862.804 χ^2/NDF:36.6/43

Out: -1092.205+/-835.637 χ^2/NDF:67.8/49

All: -656.039+/-600.259 χ^2/NDF: 104.9/93



Right In: 3694.746+/-0.835 χ^2/NDF: 1527165.9/20

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3773.472+/-0.785 χ^2/NDF: 1869839.5/25

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

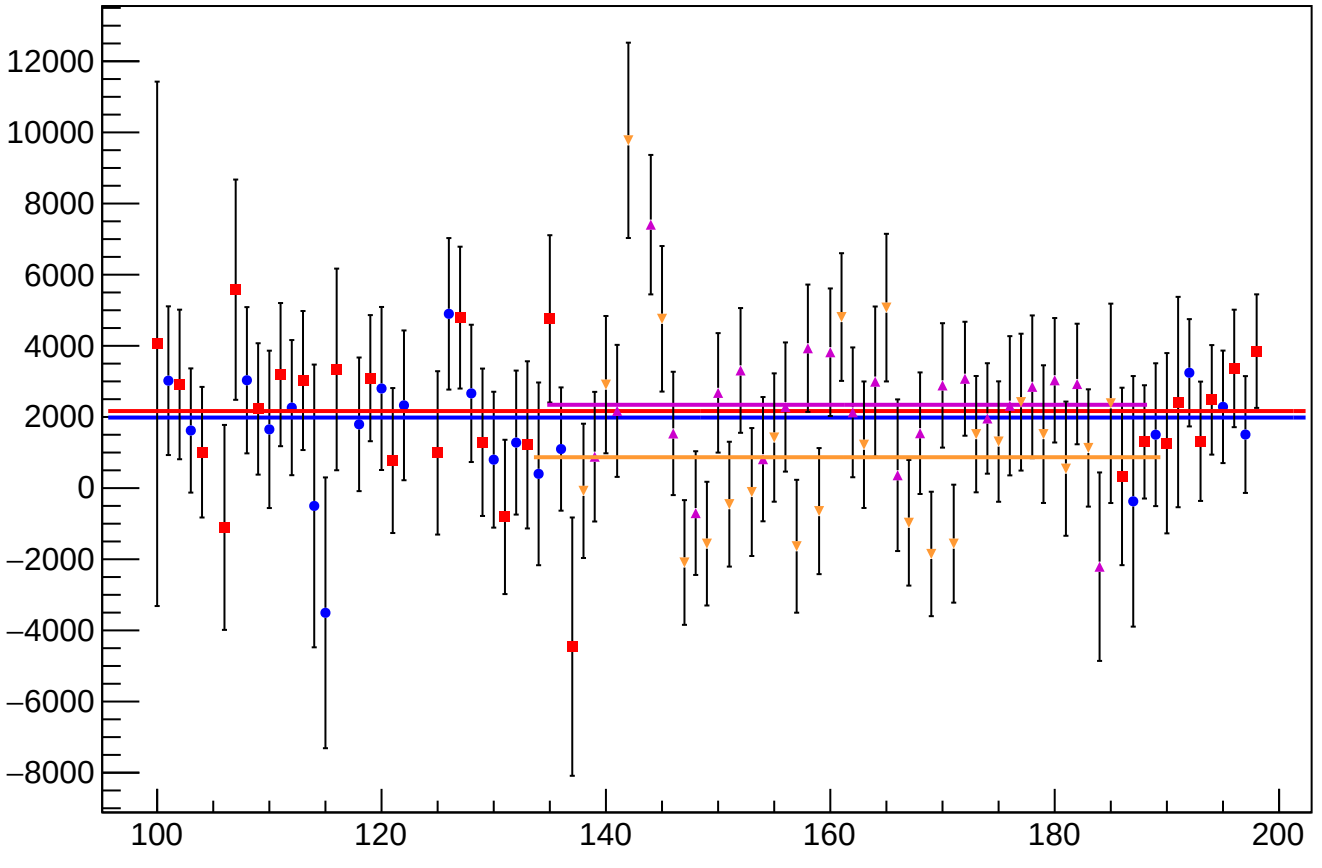
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3736.497+/-0.572 χ^2/NDF: 3401723.7/46

In: 4443.327+/-0.610 χ^2/NDF:4510768.1/43

Out: 4458.319+/-0.591 χ^2/NDF:4687130.1/49

All: 4451.062+/-0.424 χ^2/NDF: 9198209.8/93



Right In: 1983.643+/-441.173 χ^2/NDF: 7.7/20

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: 2166.242+/-410.386 χ^2/NDF: 16.1/25

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

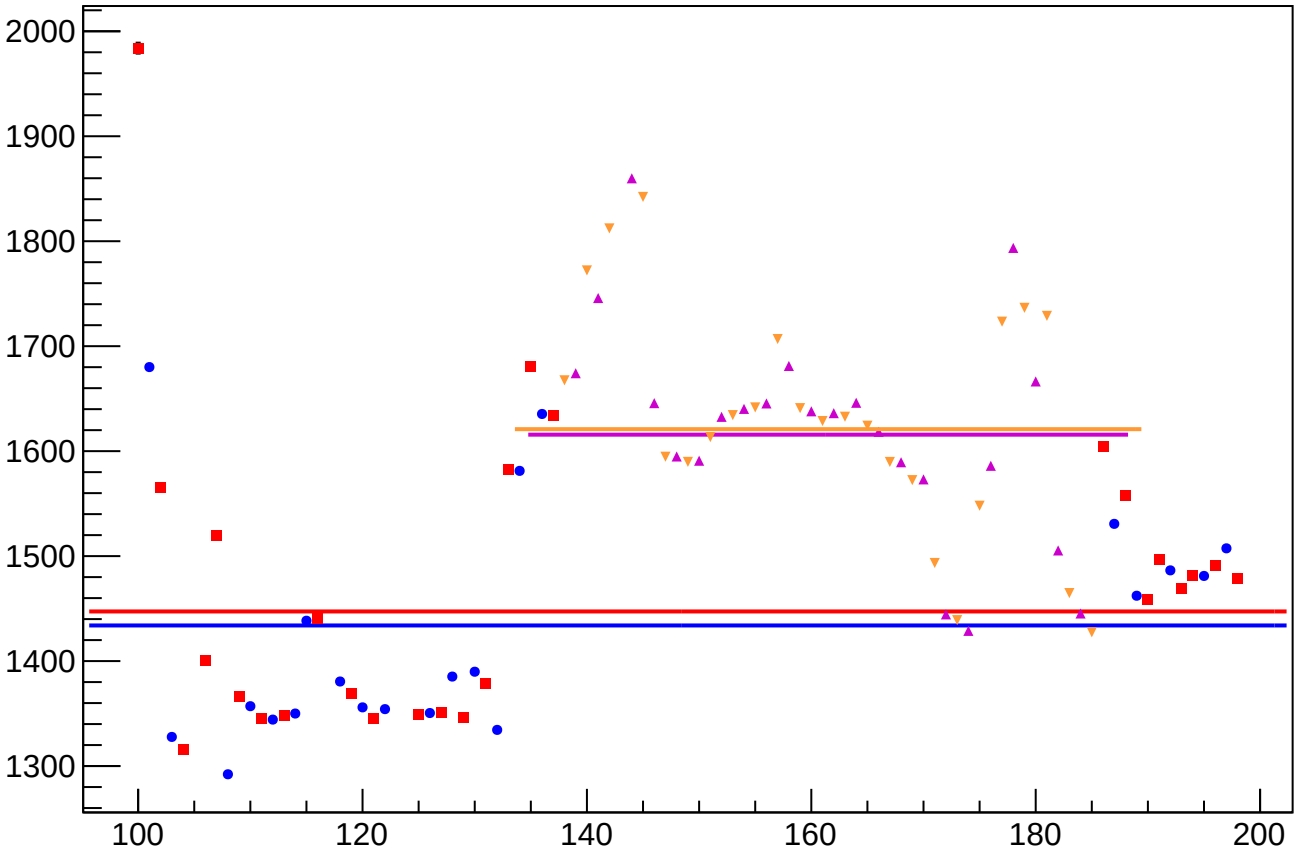
Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

Right: 2081.536+/-300.481 χ^2/NDF: 23.9/46

In: 2190.416+/-287.096 χ^2/NDF:26.1/43

Out: 1462.705+/-277.705 χ^2/NDF:61.3/49

All: 1814.463+/-199.604 χ^2/NDF: 90.7/93



Right In: 1433.940+/-0.312 χ^2/NDF: 113186.6/20

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1447.285+/-0.290 χ^2/NDF: 120288.5/25

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

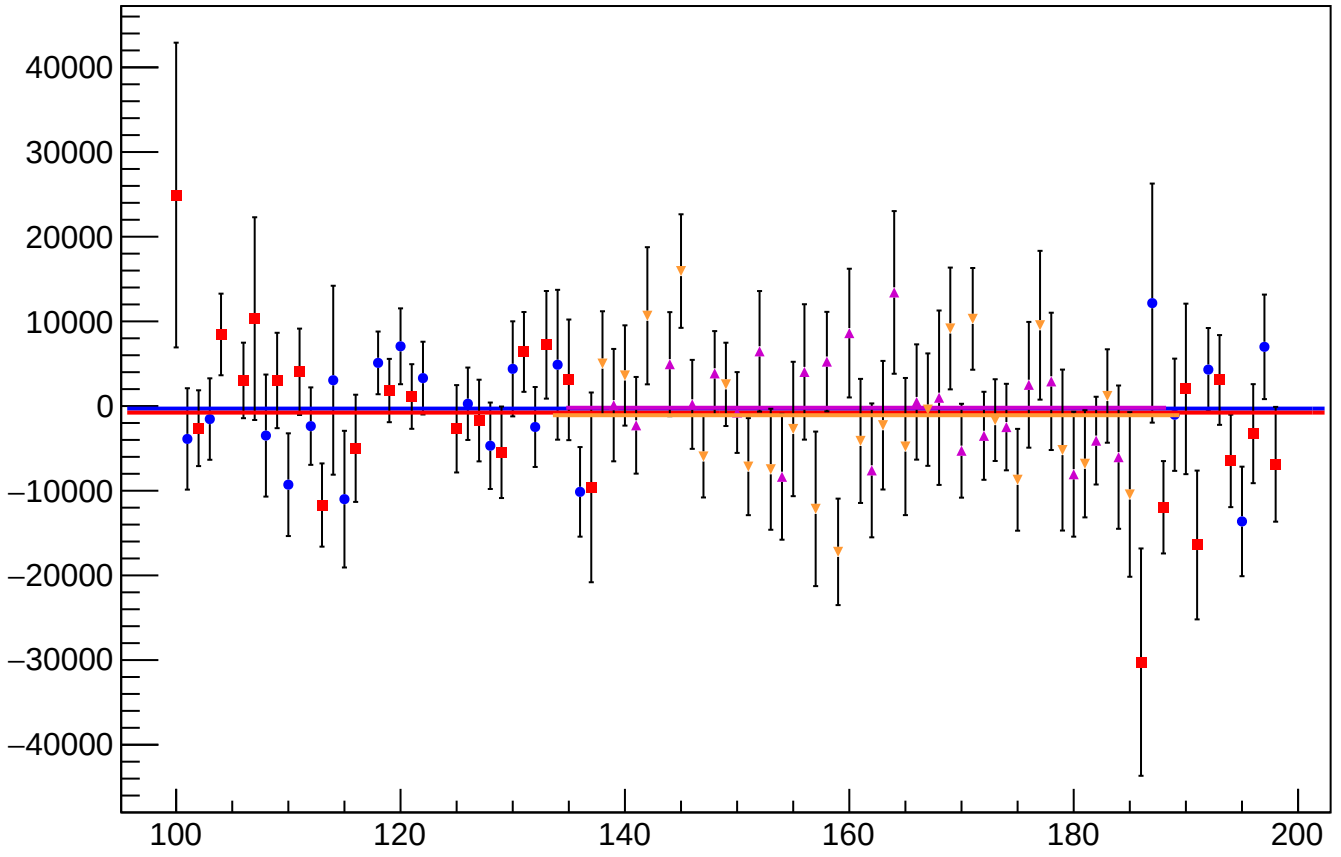
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

Right: 1441.105+/-0.212 χ^2/NDF: 234457.5/46

In: 1538.730+/-0.203 χ^2/NDF:446048.0/43

Out: 1541.285+/-0.196 χ^2/NDF:456752.8/49

All: 1540.051+/-0.141 χ^2/NDF: 902882.7/93



Right In: -301.459+/-1192.467 χ^2/NDF: 23.2/20

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: -775.434+/-1101.507 χ^2/NDF: 35.5/25

Left In: -201.662+/-1326.173 χ^2/NDF:12.9/22

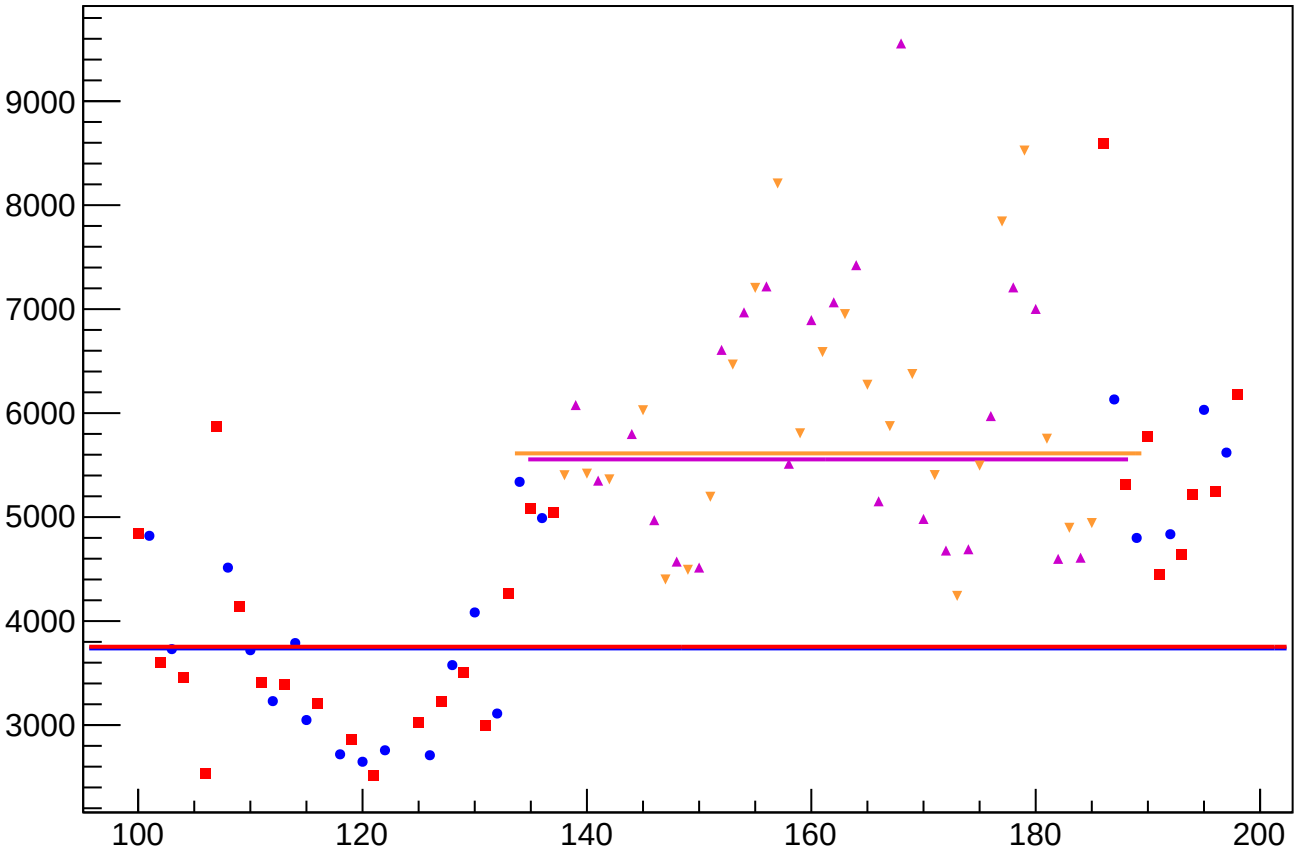
Left: -639.884+/-939.941 χ^2/NDF: 46.1/46

Right: -557.211+/-809.131 χ^2/NDF: 58.8/46

In: -256.843+/-886.716 χ^2/NDF:36.1/43

Out: -899.988+/-848.961 χ^2/NDF:68.5/49

All: -592.399+/-613.219 χ^2/NDF: 104.8/93



Right In: 3737.205+/-0.843 χ^2/NDF: 1486336.1/20

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3753.187+/-0.779 χ^2/NDF: 1927073.2/25

Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

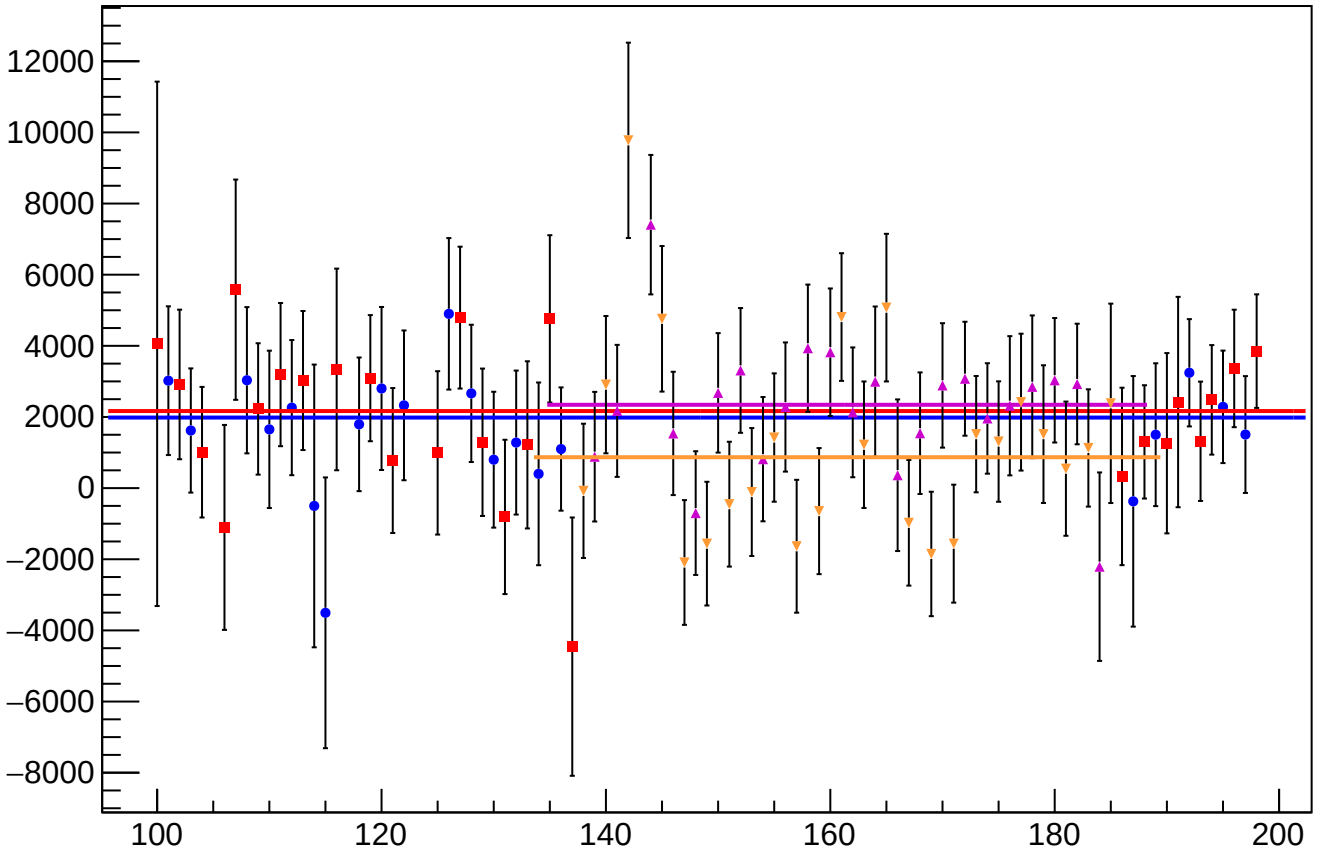
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 3745.829+/-0.572 χ^2/NDF: 3413603.1/46

In: 4549.840+/-0.627 χ^2/NDF:4896898.0/43

Out: 4508.124+/-0.600 χ^2/NDF:5429240.8/49

All: 4528.075+/-0.434 χ^2/NDF: 10328448.3/9



Right In: 1983.642+/-441.173 χ^2/NDF: 7.7/20

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: 2166.241+/-410.386 χ^2/NDF: 16.1/25

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

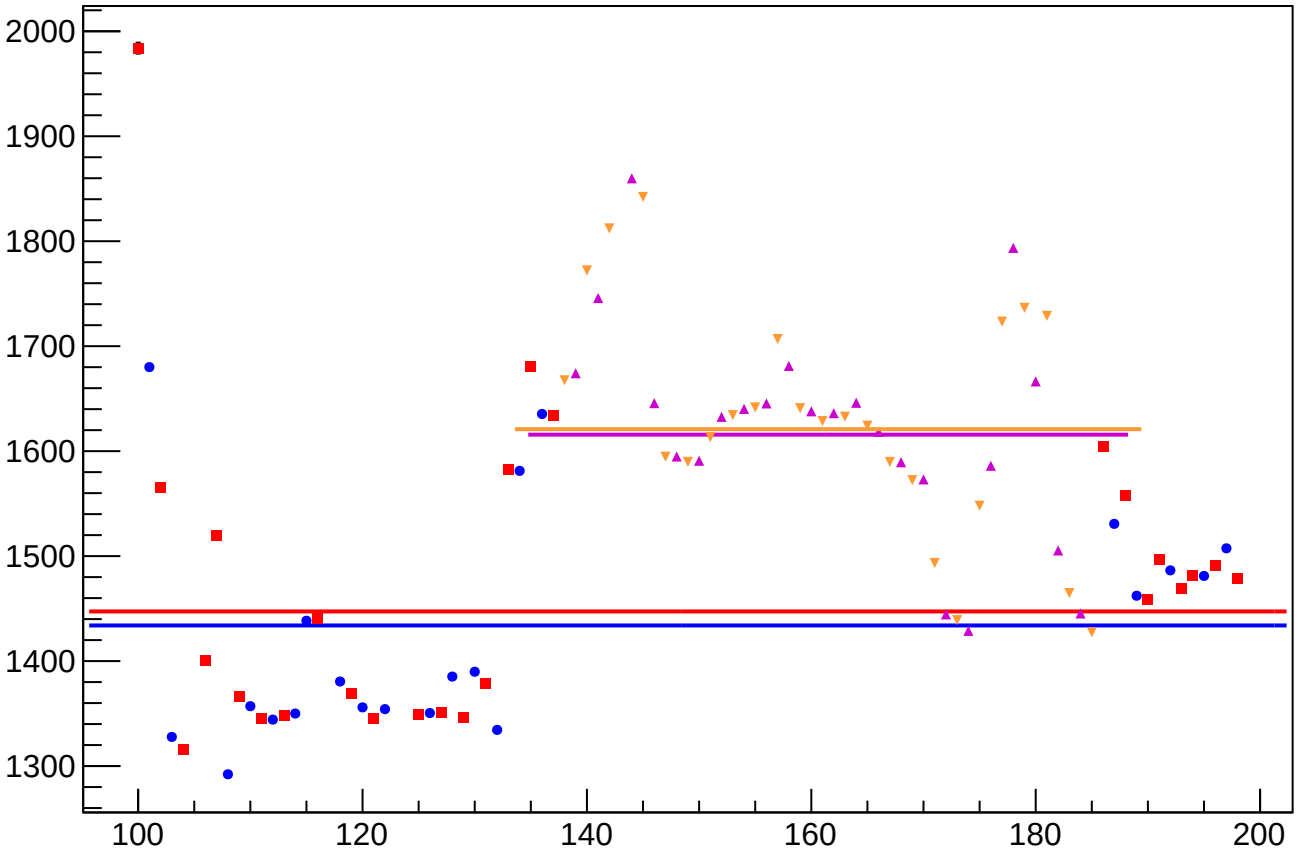
Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

Right: 2081.534+/-300.481 χ^2/NDF: 23.9/46

In: 2190.415+/-287.096 χ^2/NDF:26.1/43

Out: 1462.702+/-277.705 χ^2/NDF:61.3/49

All: 1814.461+/-199.605 χ^2/NDF: 90.7/93



Right In: 1433.941+/-0.312 χ^2/NDF: 113186.6/20

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

Right Out: 1447.285+/-0.290 χ^2/NDF: 120288.6/25

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

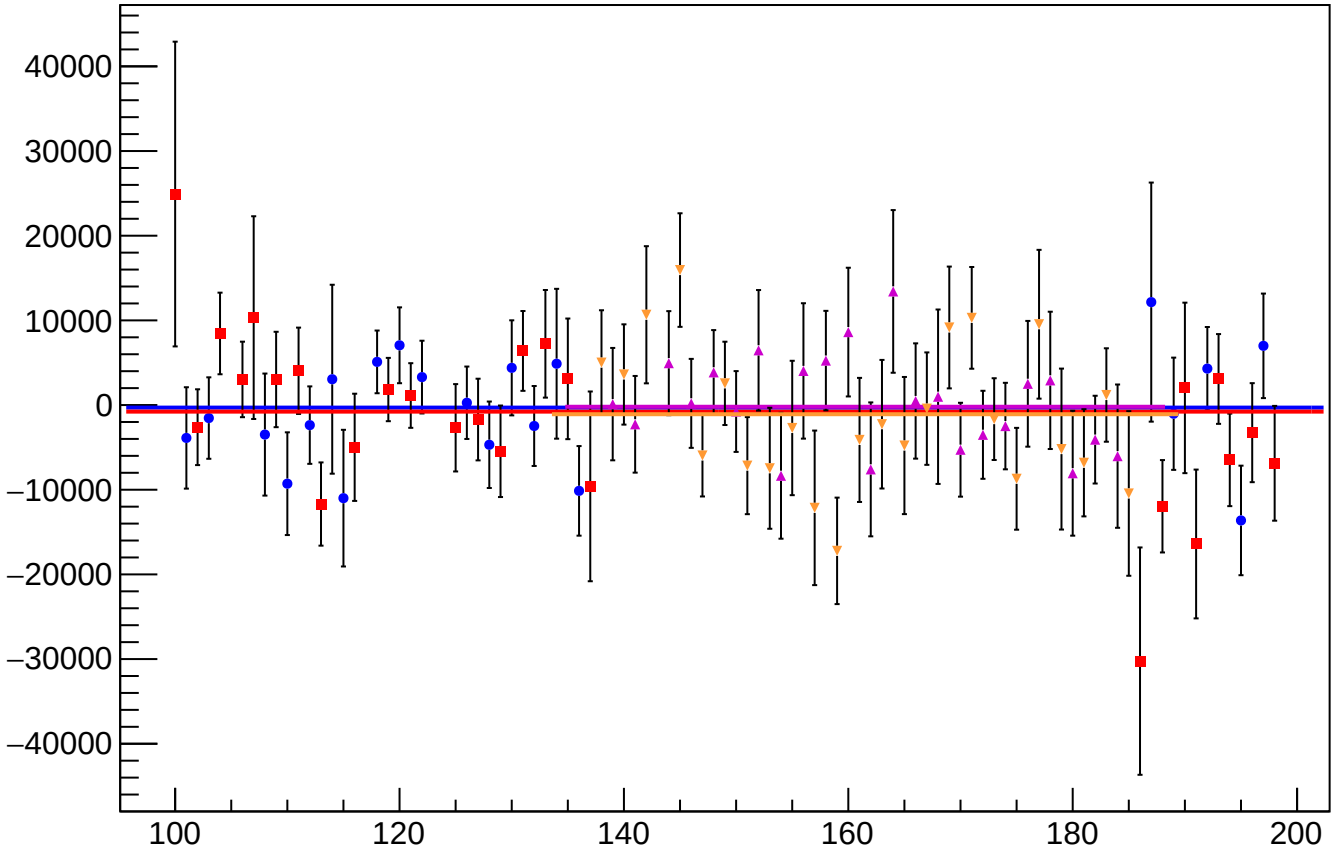
Right: 1441.105+/-0.212 χ^2/NDF: 234457.7/46

In: 1538.731+/-0.203 χ^2/NDF:446055.2/43

Out: 1541.286+/-0.196 χ^2/NDF:456760.6/49

All: 1540.052+/-0.141 χ^2/NDF: 902897.7/93

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -301.453+/-1192.465 χ^2/NDF: 23.2/20

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

Right Out: -775.426+/-1101.505 χ^2/NDF: 35.5/25

Left In: -201.663+/-1326.175 χ^2/NDF:12.9/22

Left: -639.888+/-939.942 χ^2/NDF: 46.1/46

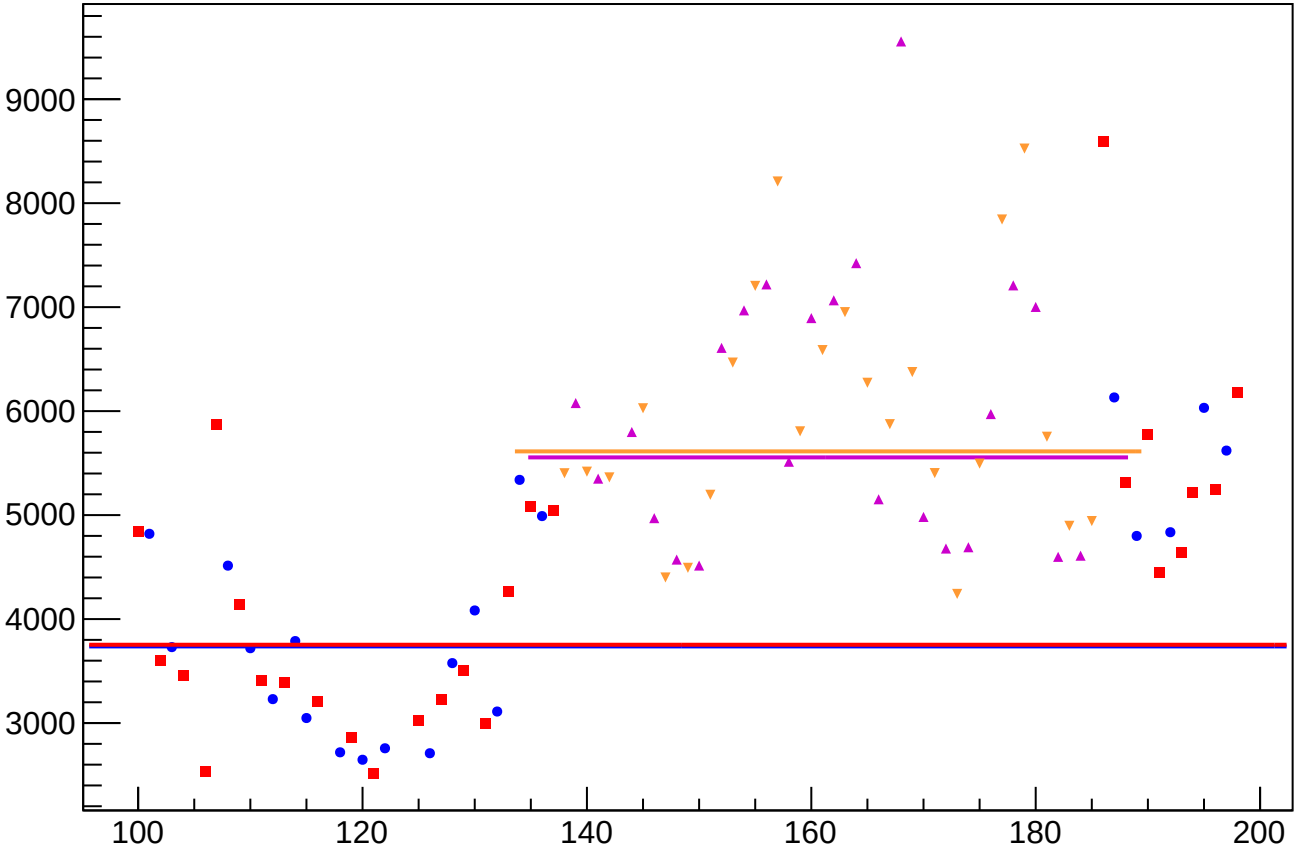
Right: -557.204+/-809.130 χ^2/NDF: 58.8/46

In: -256.841+/-886.715 χ^2/NDF:36.1/43

Out: -899.986+/-848.961 χ^2/NDF:68.5/49

All: -592.396+/-613.219 χ^2/NDF: 104.8/93

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3737.195+/-0.843 χ^2/NDF: 1486359.6/20

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3753.178+/-0.779 χ^2/NDF: 1927094.2/25

Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

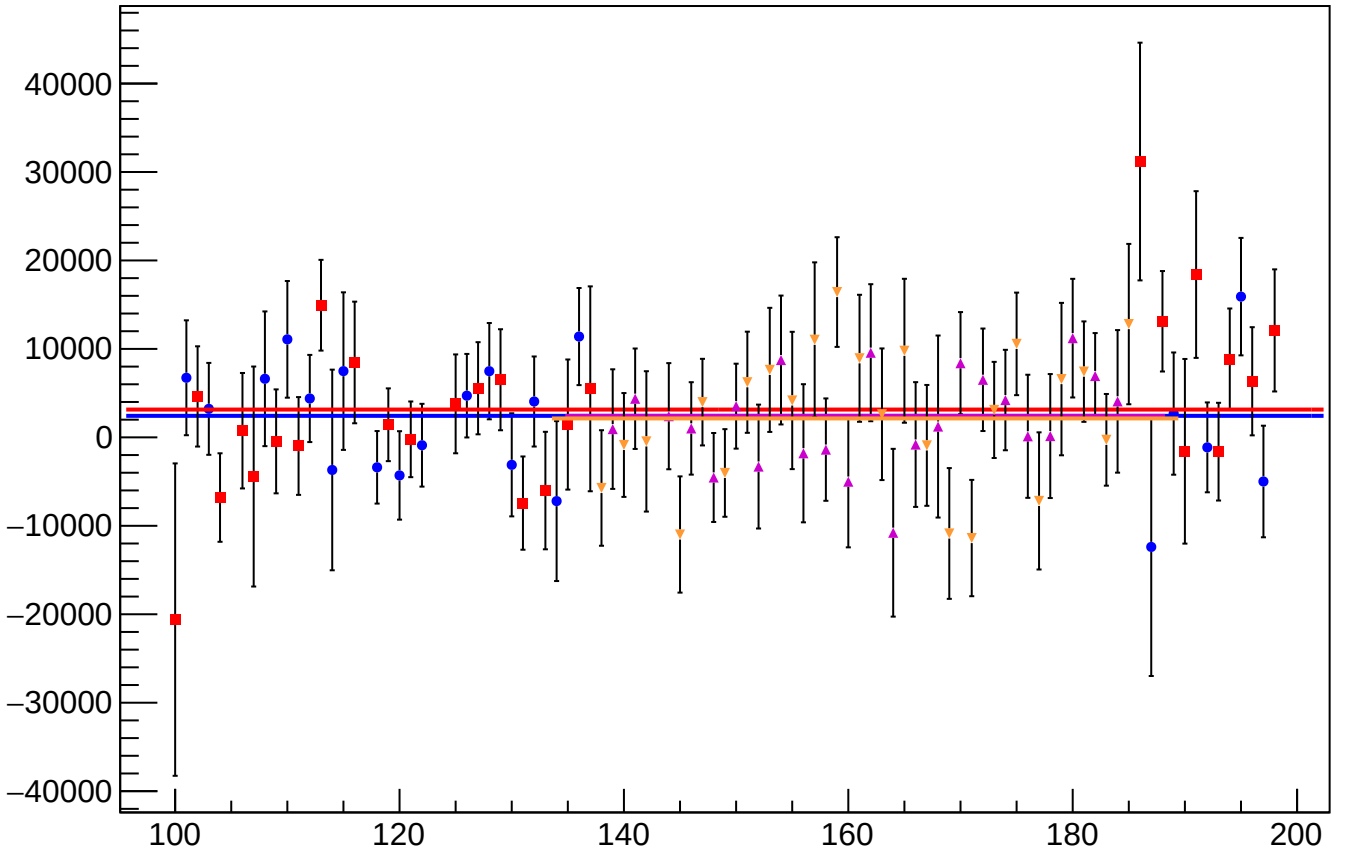
Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

Right: 3745.819+/-0.572 χ^2/NDF: 3413647.7/46

In: 4549.835+/-0.627 χ^2/NDF:4896965.9/43

Out: 4508.119+/-0.600 χ^2/NDF:5429306.2/49

All: 4528.070+/-0.434 χ^2/NDF: 10328581.6/9



Right In: 2433.183+/-1278.282 χ^2/NDF: 20.5/20

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: 3143.089+/-1202.969 χ^2/NDF: 34.5/25

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

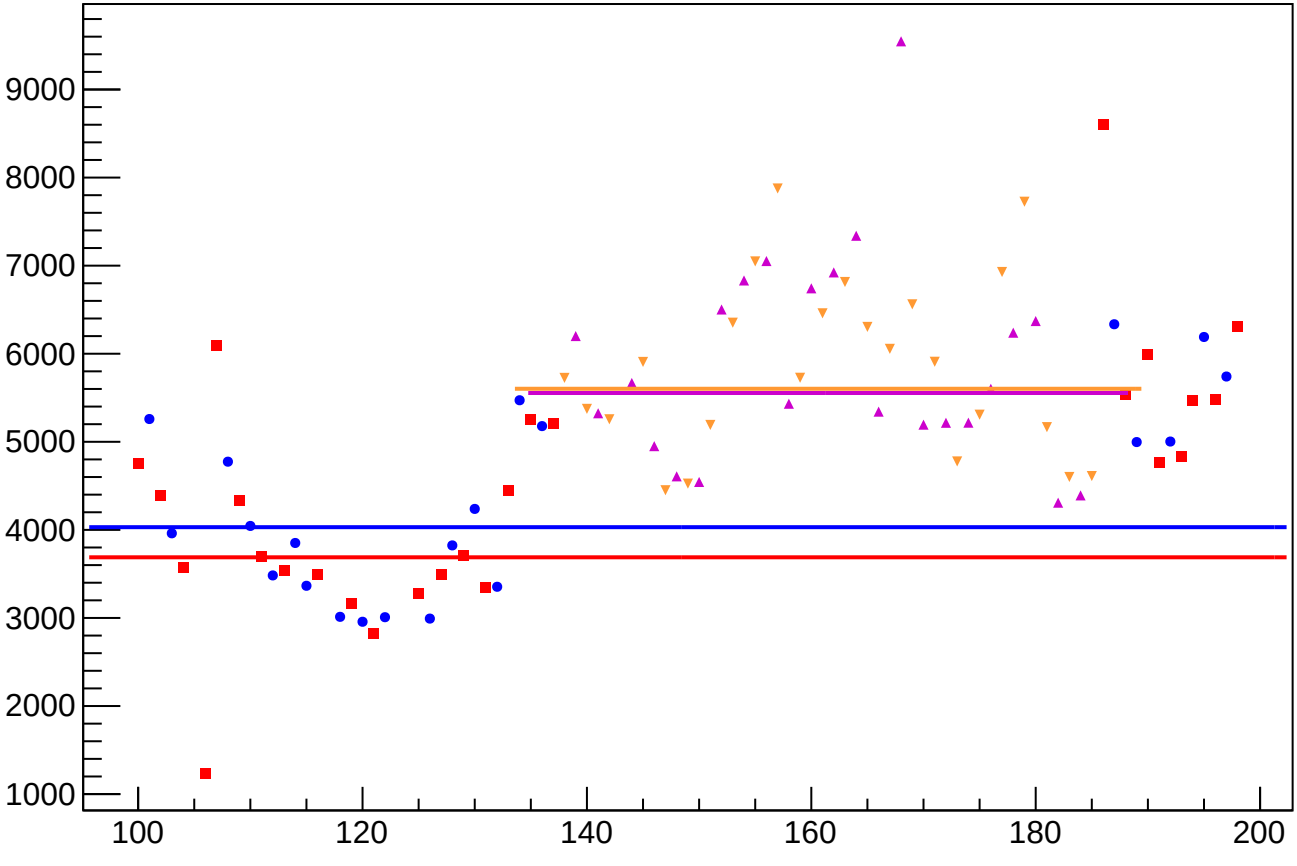
Right: 2809.664+/-876.043 χ^2/NDF: 55.2/46

In: 2430.705+/-918.640 χ^2/NDF:33.4/43

Out: 2688.782+/-890.466 χ^2/NDF:65.5/49

All: 2563.762+/-639.383 χ^2/NDF: 98.9/93

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 4030.678+/-0.904 χ^2/NDF: 1234805.9/20

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

Right Out: 3688.614+/-0.795 χ^2/NDF: 3265660.0/25

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

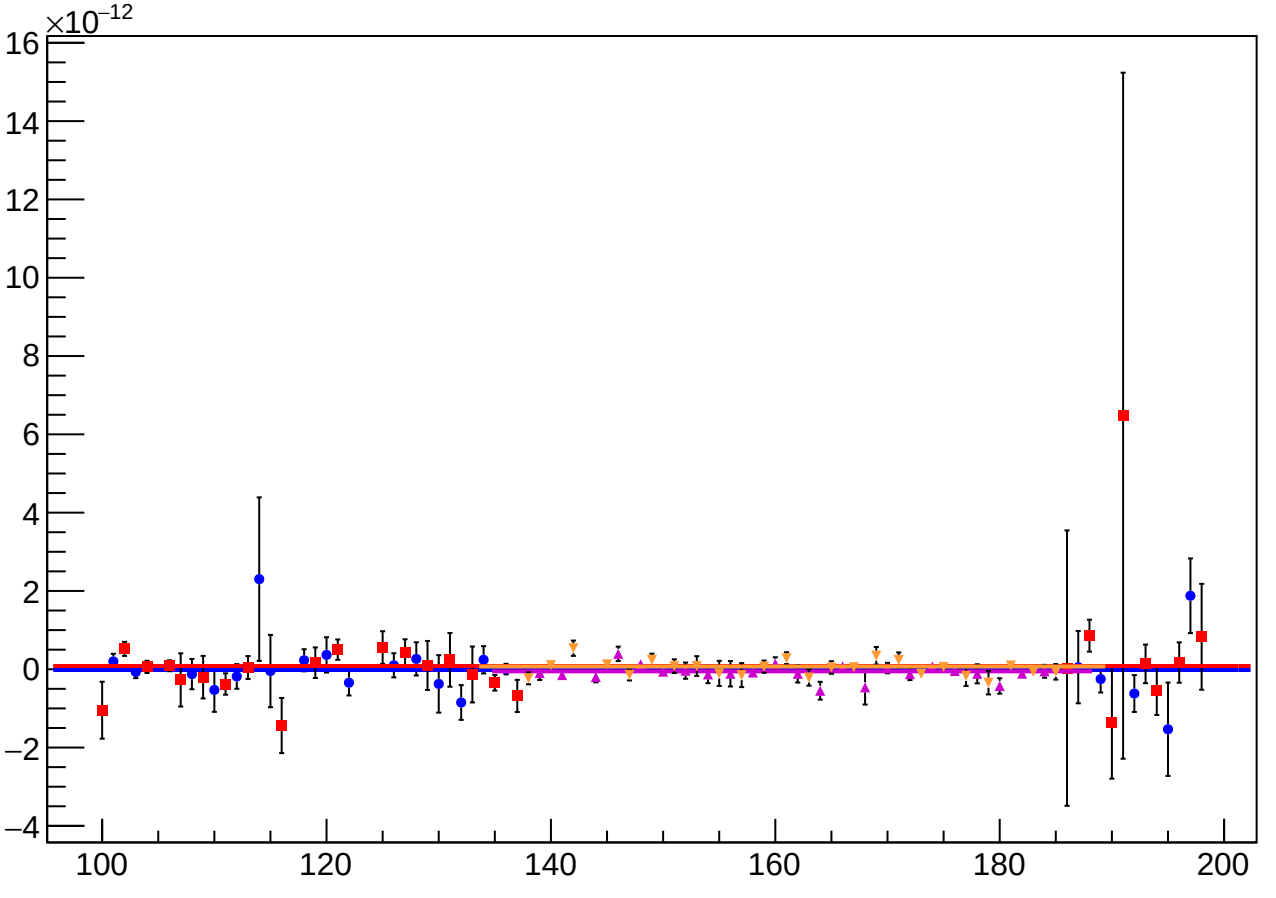
Right: 3837.775+/-0.597 χ^2/NDF: 4581231.0/46

In: 4767.290+/-0.650 χ^2/NDF:3720468.8/43

Out: 4489.896+/-0.606 χ^2/NDF:6633348.1/49

All: 4618.973+/-0.443 χ^2/NDF: 10451321.6/9

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 36.0/25

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

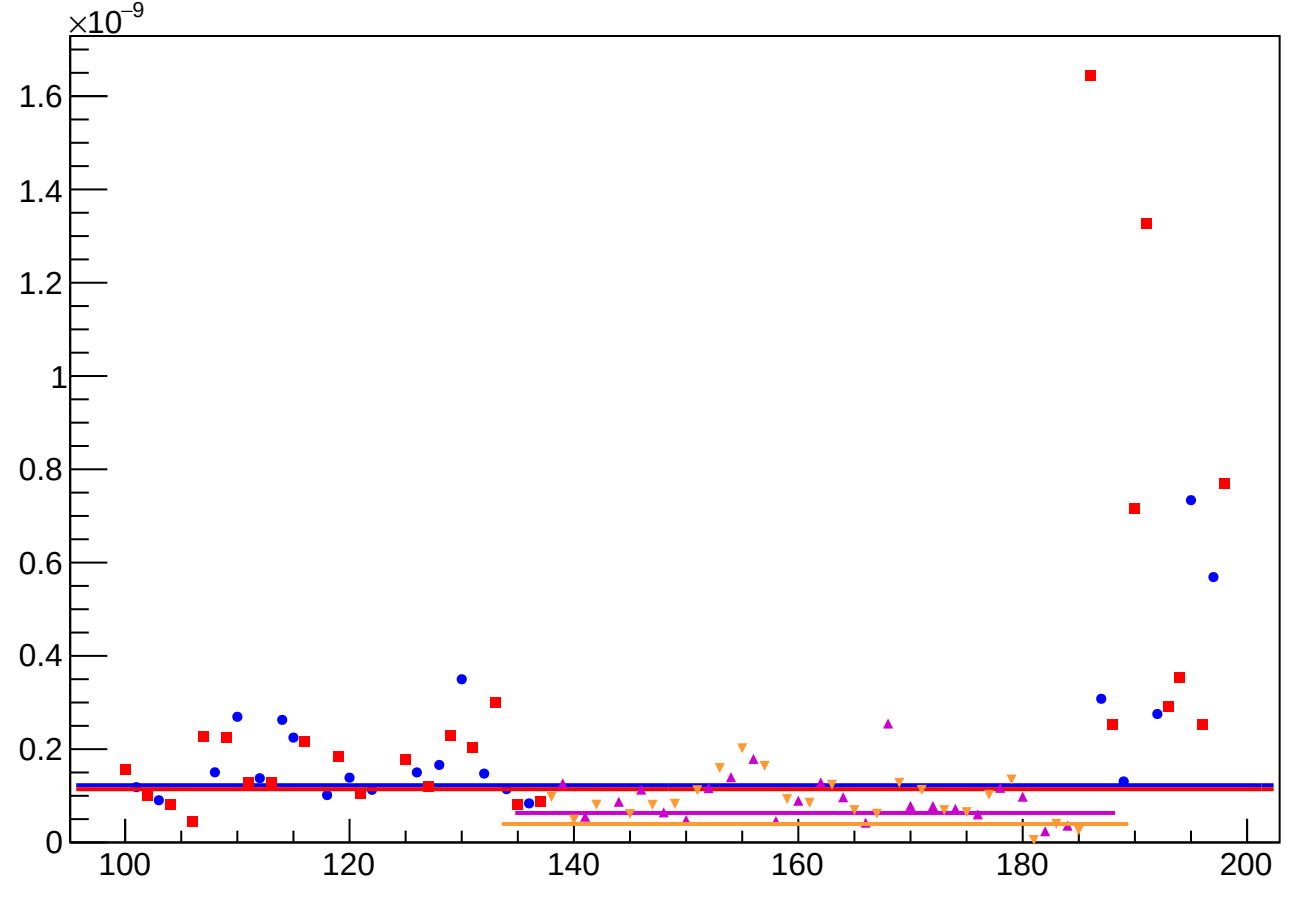
Left: 0.000+/-0.000 χ^2/NDF: 65.8/46

Right: 0.000+/-0.000 χ^2/NDF: 56.0/46

In: -0.000+/-0.000 χ^2/NDF:44.4/43

Out: 0.000+/-0.000 χ^2/NDF:64.3/49

All: 0.000+/-0.000 χ^2/NDF: 121.9/93



Right In: 0.000+/-0.000 χ^2/NDF: 1945806.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3367545.1/25

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

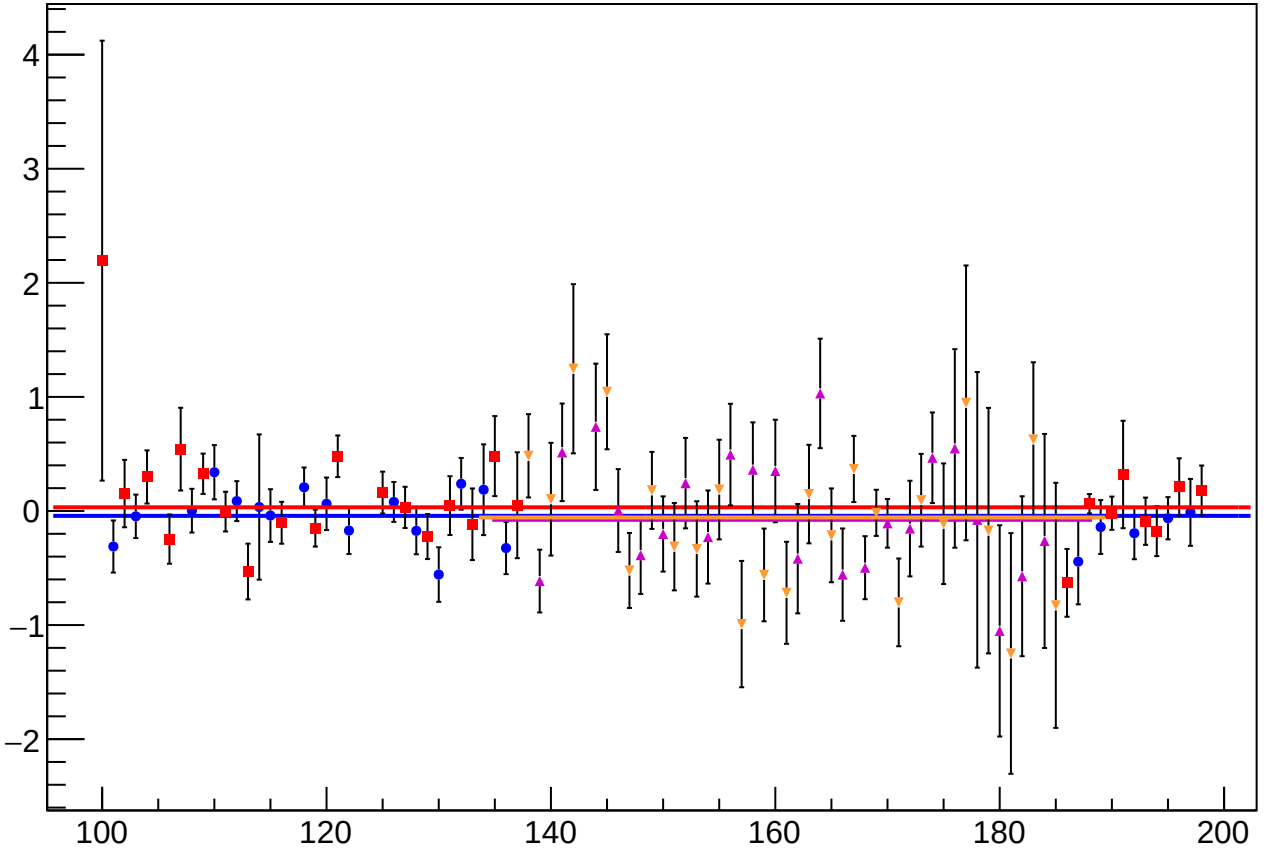
Right: 0.000+/-0.000 χ^2/NDF: 5330180.5/46

In: 0.000+/-0.000 χ^2/NDF:6183029.8/43

Out: 0.000+/-0.000 χ^2/NDF:12793619.0/49

All: 0.000+/-0.000 χ^2/NDF: 20036596.2/93

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.043+/-0.048 χ^2/NDF: 18.0/20

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.032+/-0.039 χ^2/NDF: 34.2/25

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

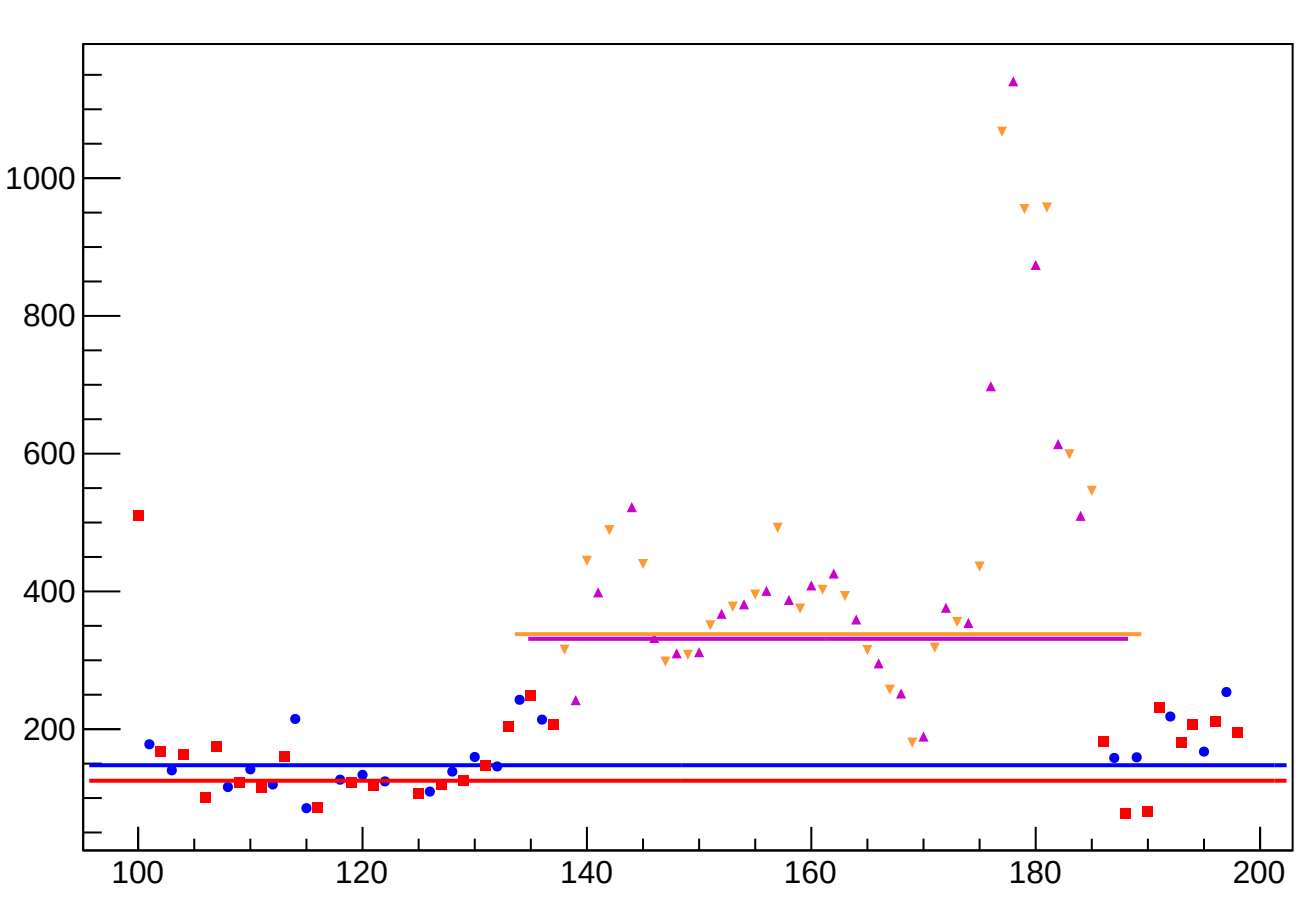
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.002+/-0.031 χ^2/NDF: 53.6/46

In: -0.051+/-0.042 χ^2/NDF:45.1/43

Out: 0.017+/-0.036 χ^2/NDF:65.5/49

All: -0.012+/-0.027 χ^2/NDF: 112.1/93



Right In: 147.645+/-0.034 χ^2/NDF: 1247344.9/20

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 125.130+/-0.028 χ^2/NDF: 2714918.3/25

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

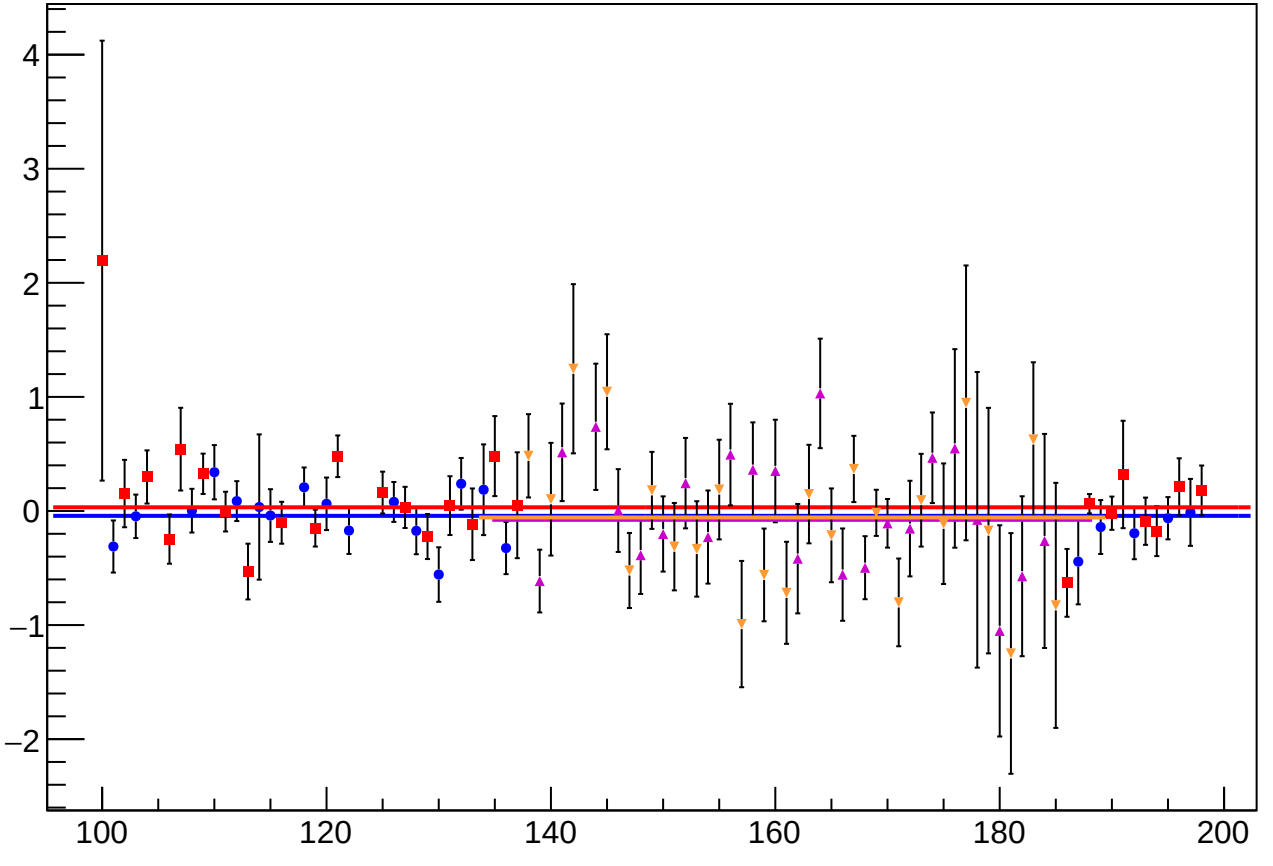
Right: 134.083+/-0.022 χ^2/NDF: 4222118.1/46

In: 193.981+/-0.030 χ^2/NDF:12590368.5/43

Out: 162.413+/-0.025 χ^2/NDF:17460853.4/49

All: 175.716+/-0.019 χ^2/NDF: 30707627.2/93

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.043+/-0.048 χ^2/NDF: 18.0/20

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.032+/-0.039 χ^2/NDF: 34.2/25

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

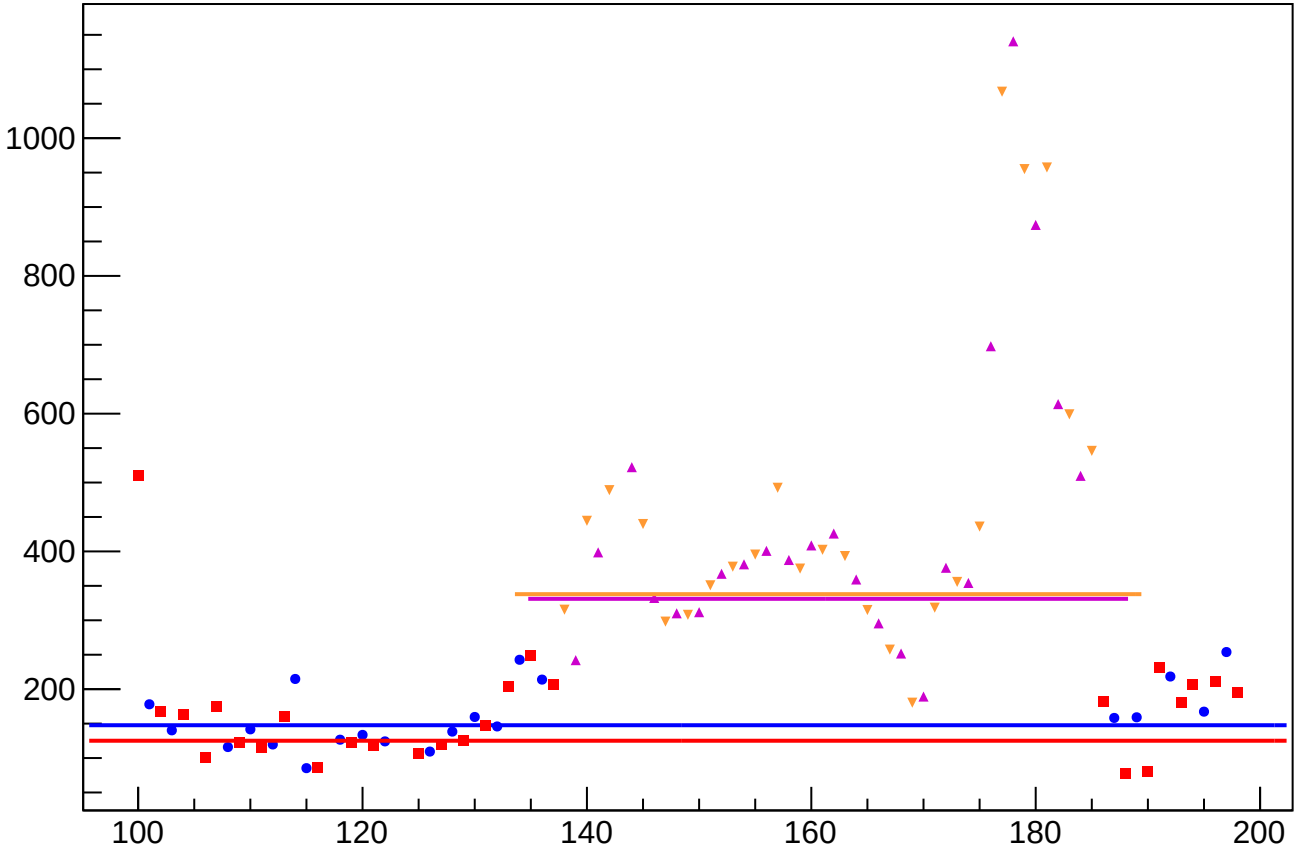
Right: 0.002+/-0.031 χ^2/NDF: 53.6/46

In: -0.051+/-0.042 χ^2/NDF:45.1/43

Out: 0.017+/-0.036 χ^2/NDF:65.5/49

All: -0.012+/-0.027 χ^2/NDF: 112.1/93

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.645+/-0.034 χ^2/NDF: 1247344.9/20

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 125.130+/-0.028 χ^2/NDF: 2714918.3/25

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

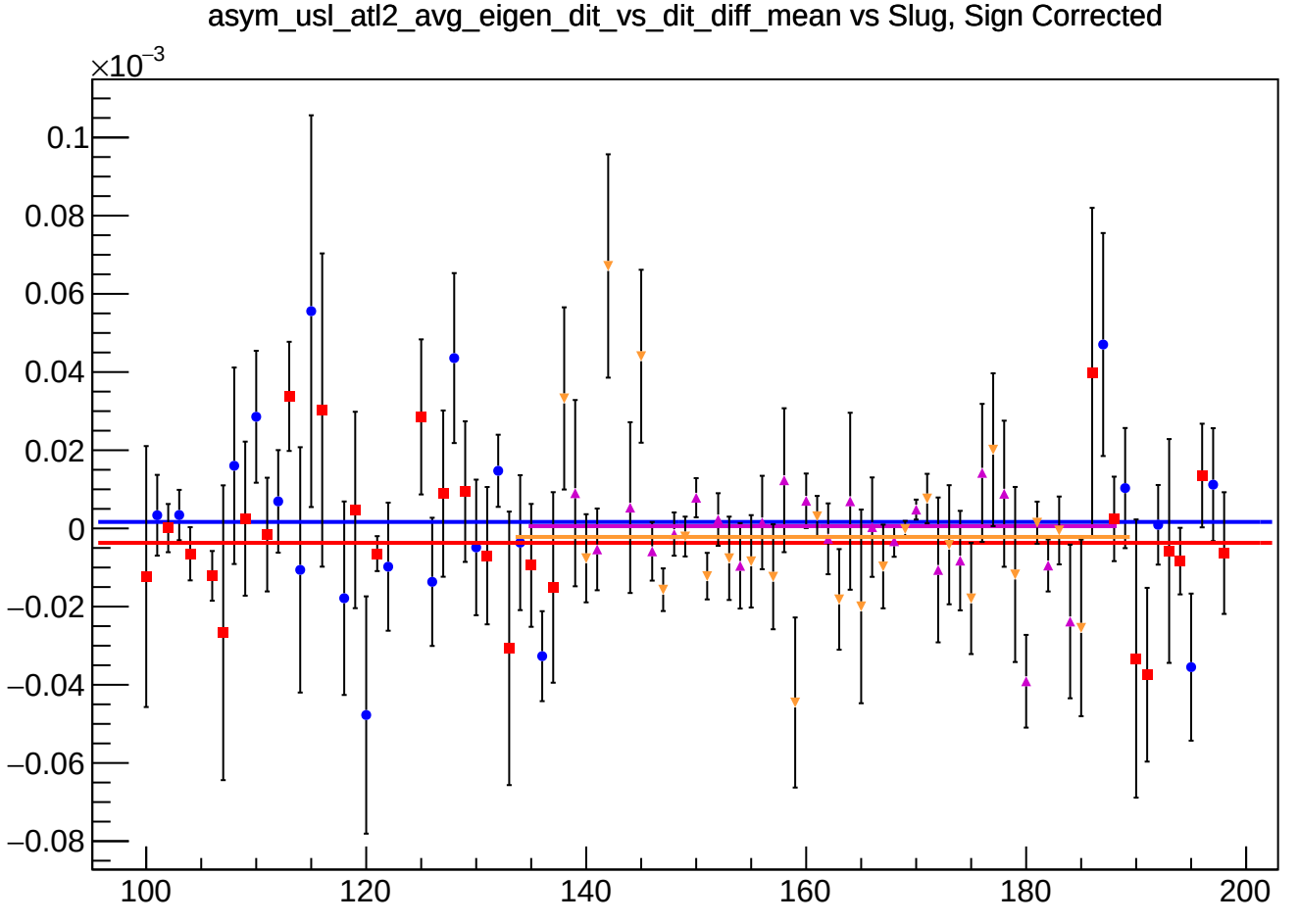
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

Right: 134.083+/-0.022 χ^2/NDF: 4222118.1/46

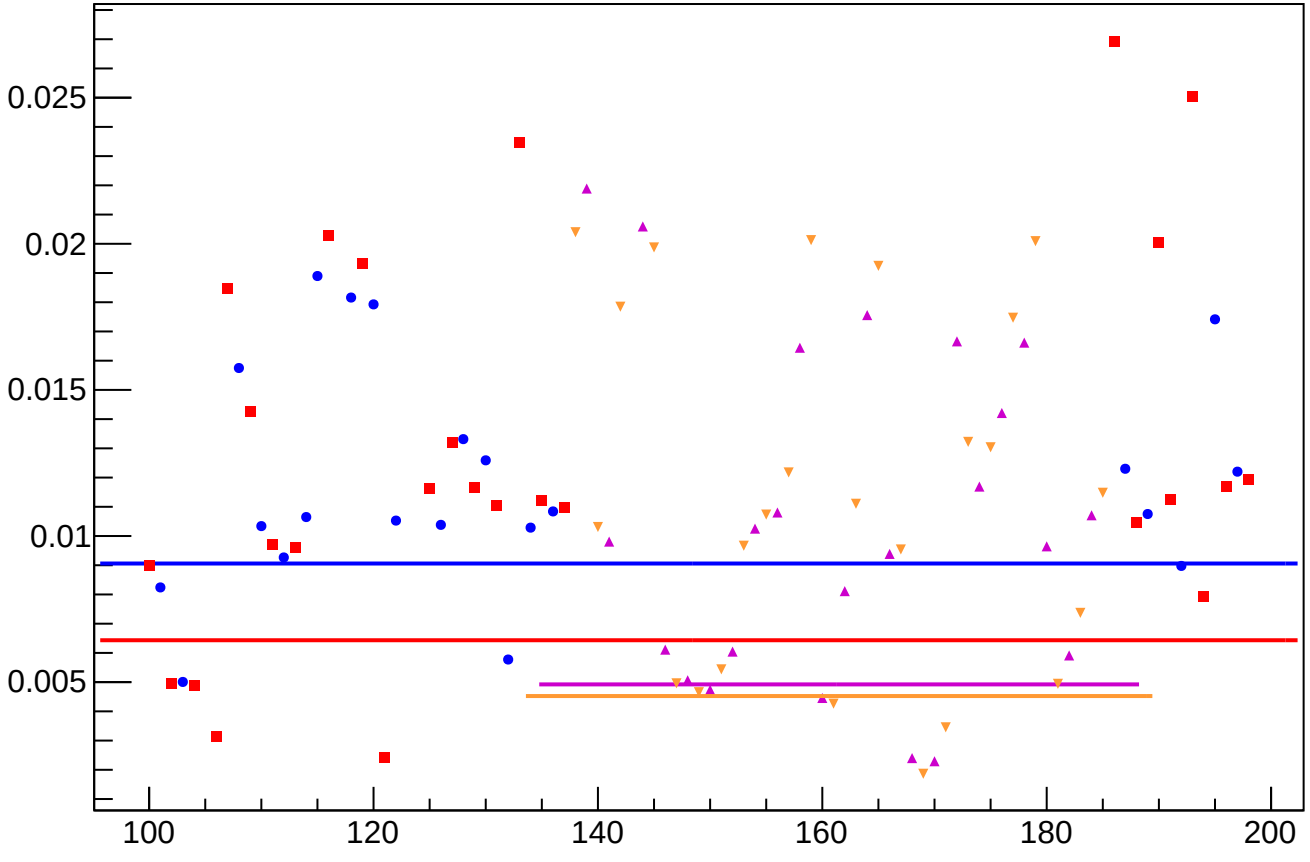
In: 193.981+/-0.030 χ^2/NDF:12590368.5/43

Out: 162.413+/-0.025 χ^2/NDF:17460853.4/49

All: 175.716+/-0.019 χ^2/NDF: 30707627.2/93


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: 31.1/20
Left Out: -0.000+/-0.000 χ²/NDF:37.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 22.2/25
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: 55.3/46
In: 0.000+/-0.000 χ²/NDF:57.5/43
Out: -0.000+/-0.000 χ²/NDF:60.4/49
All: -0.000+/-0.000 χ²/NDF: 121.4/93

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 2522995.3/20

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

Right Out: 0.006+/-0.000 χ^2/NDF: 7854191.3/25

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

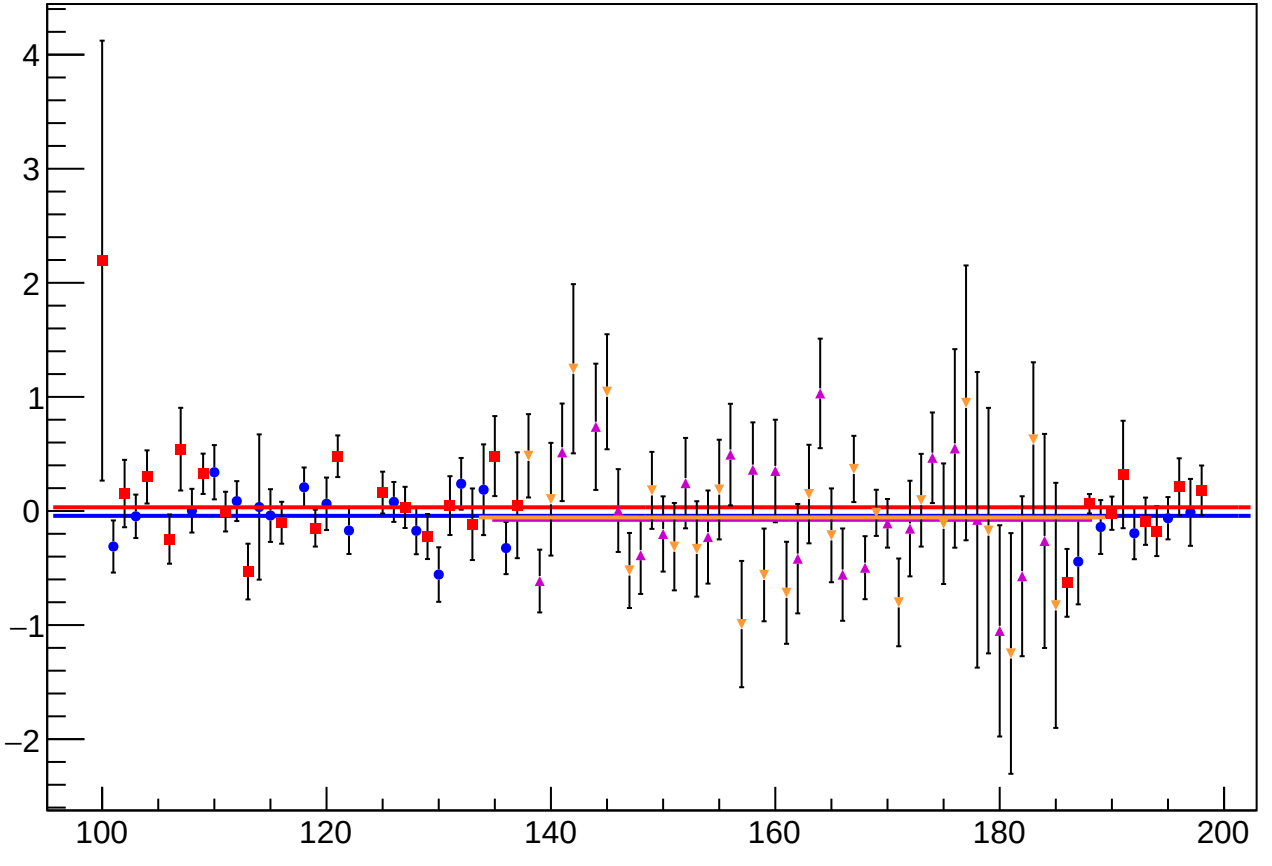
Right: 0.007+/-0.000 χ^2/NDF: 11325917.7/46

In: 0.006+/-0.000 χ^2/NDF:17102447.4/43

Out: 0.005+/-0.000 χ^2/NDF:23116513.2/49

All: 0.005+/-0.000 χ^2/NDF: 40496858.1/93

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.043+/-0.048 χ^2/NDF: 18.0/20

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.032+/-0.039 χ^2/NDF: 34.2/25

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

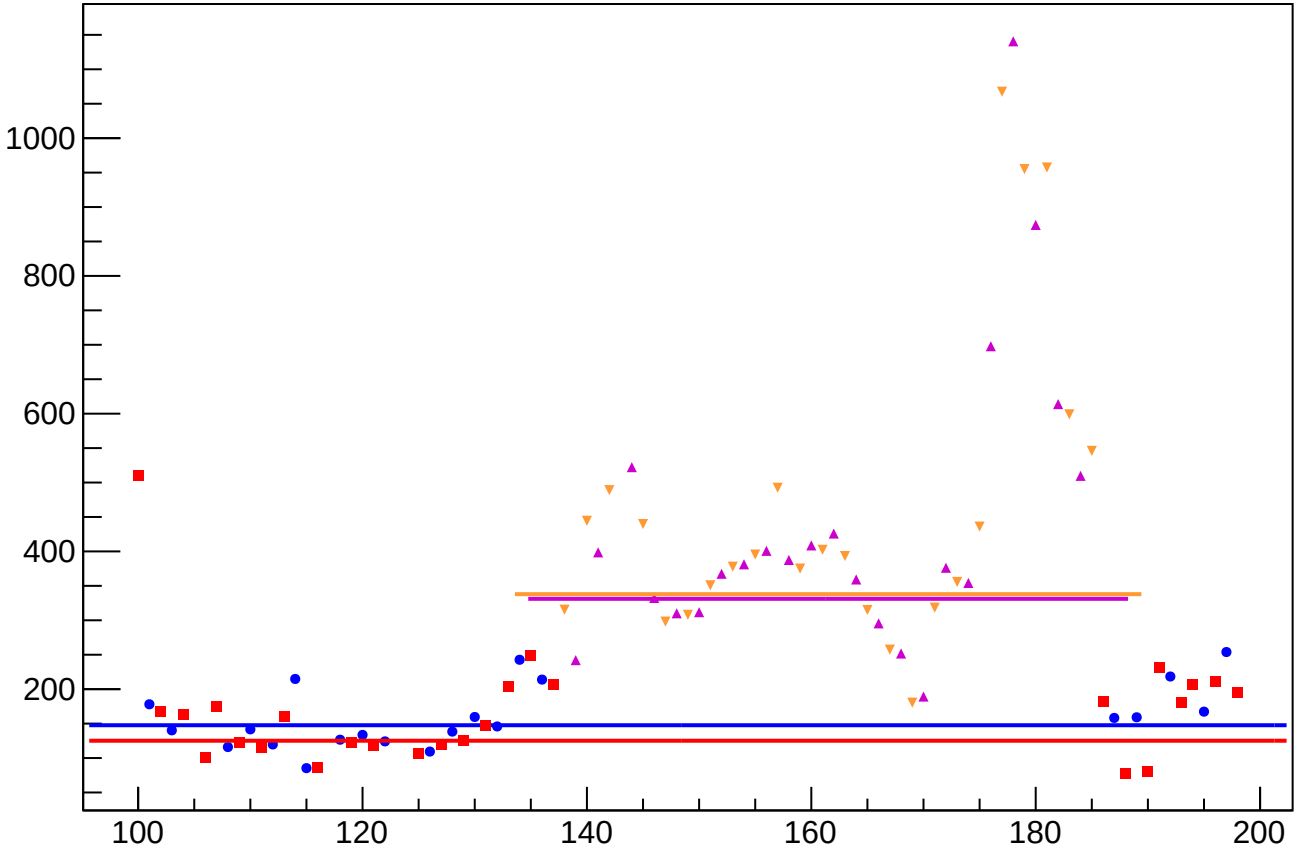
Right: 0.002+/-0.031 χ^2/NDF: 53.6/46

In: -0.051+/-0.042 χ^2/NDF:45.1/43

Out: 0.017+/-0.036 χ^2/NDF:65.5/49

All: -0.012+/-0.027 χ^2/NDF: 112.1/93

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.645+/-0.034 χ^2/NDF: 1247313.0/20

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 125.129+/-0.028 χ^2/NDF: 2715030.2/25

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

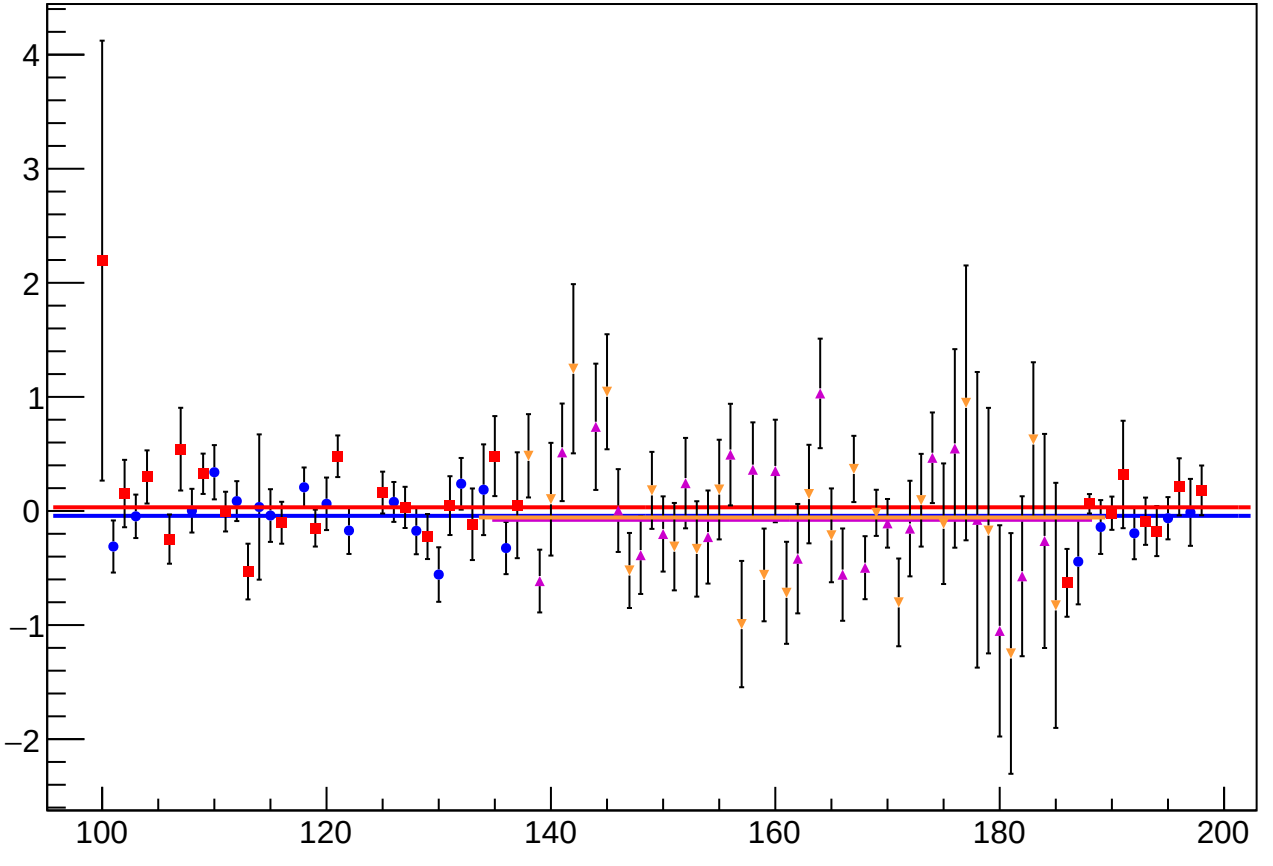
Right: 134.081+/-0.022 χ^2/NDF: 4222244.8/46

In: 193.981+/-0.030 χ^2/NDF:12590463.3/43

Out: 162.411+/-0.025 χ^2/NDF:17461323.9/49

All: 175.714+/-0.019 χ^2/NDF: 30708294.3/93

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.043+/-0.048 χ^2/NDF: 18.0/20

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.032+/-0.039 χ^2/NDF: 34.2/25

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

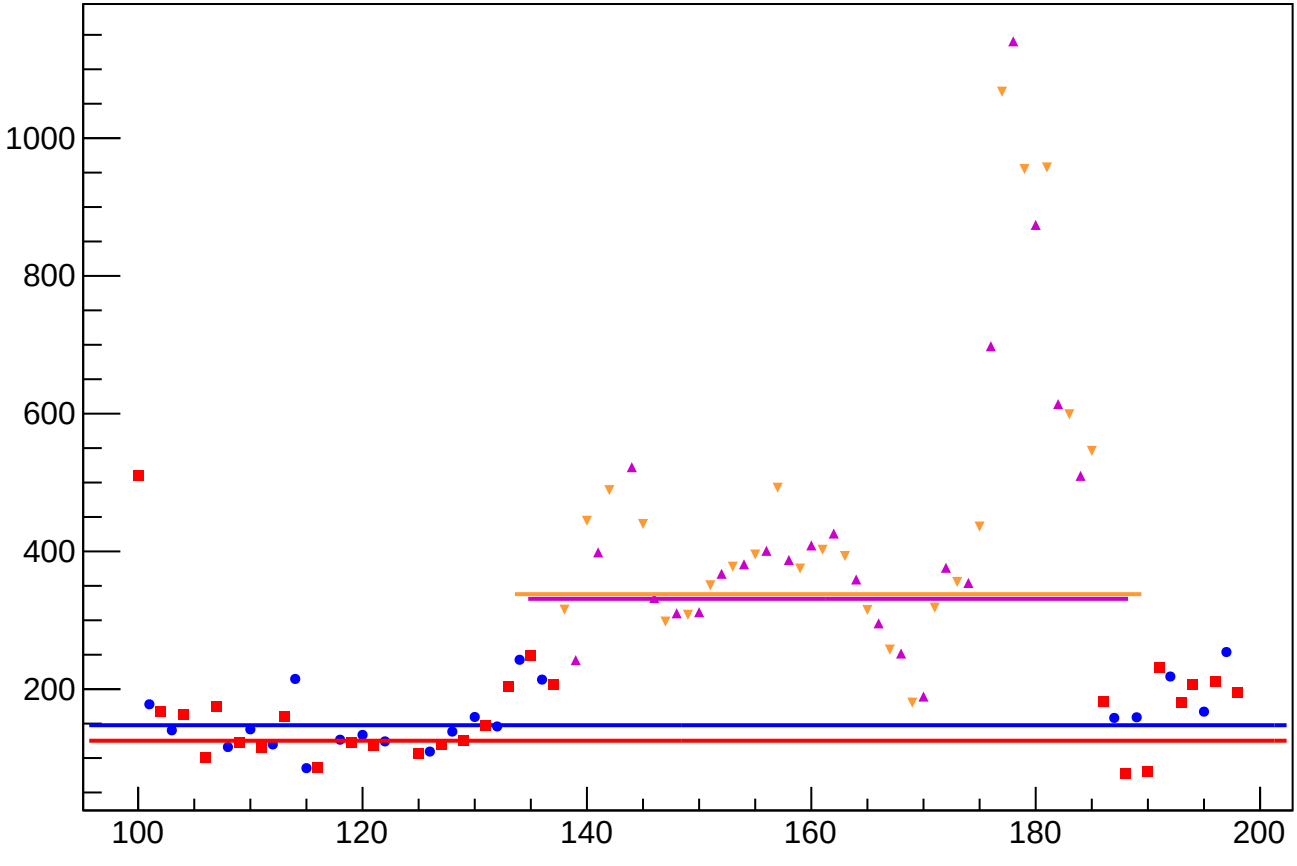
Right: 0.002+/-0.031 χ^2/NDF: 53.6/46

In: -0.051+/-0.042 χ^2/NDF:45.1/43

Out: 0.017+/-0.036 χ^2/NDF:65.5/49

All: -0.012+/-0.027 χ^2/NDF: 112.1/93

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.645+/-0.034 χ^2/NDF: 1247313.0/20

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 125.129+/-0.028 χ^2/NDF: 2715030.2/25

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

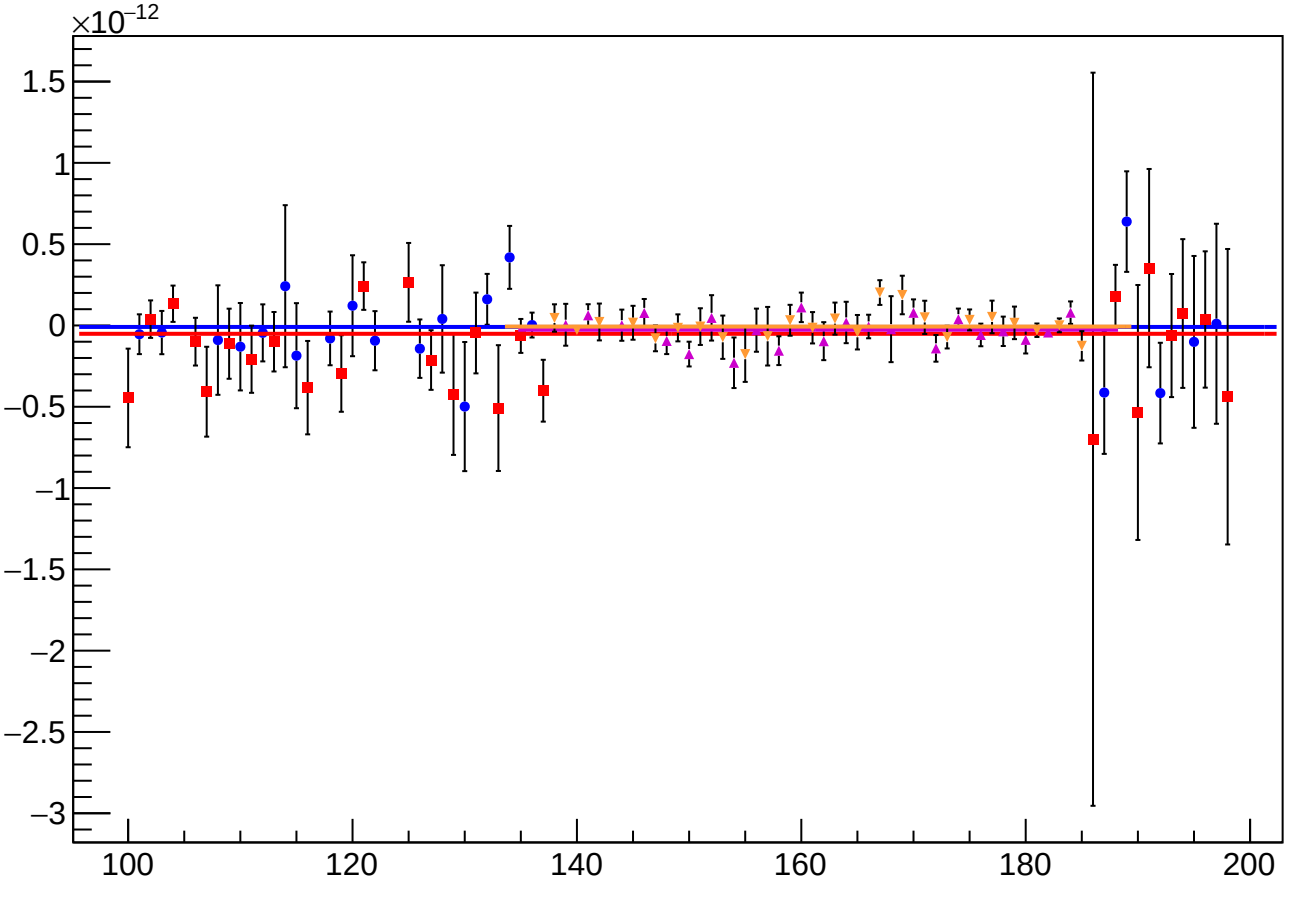
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

Right: 134.081+/-0.022 χ^2/NDF: 4222244.8/46

In: 193.981+/-0.030 χ^2/NDF:12590463.3/43

Out: 162.411+/-0.025 χ^2/NDF:17461323.9/49

All: 175.714+/-0.019 χ^2/NDF: 30708294.3/93



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/25

Left In: -0.000+/-0.000 χ^2/NDF:22.8/22

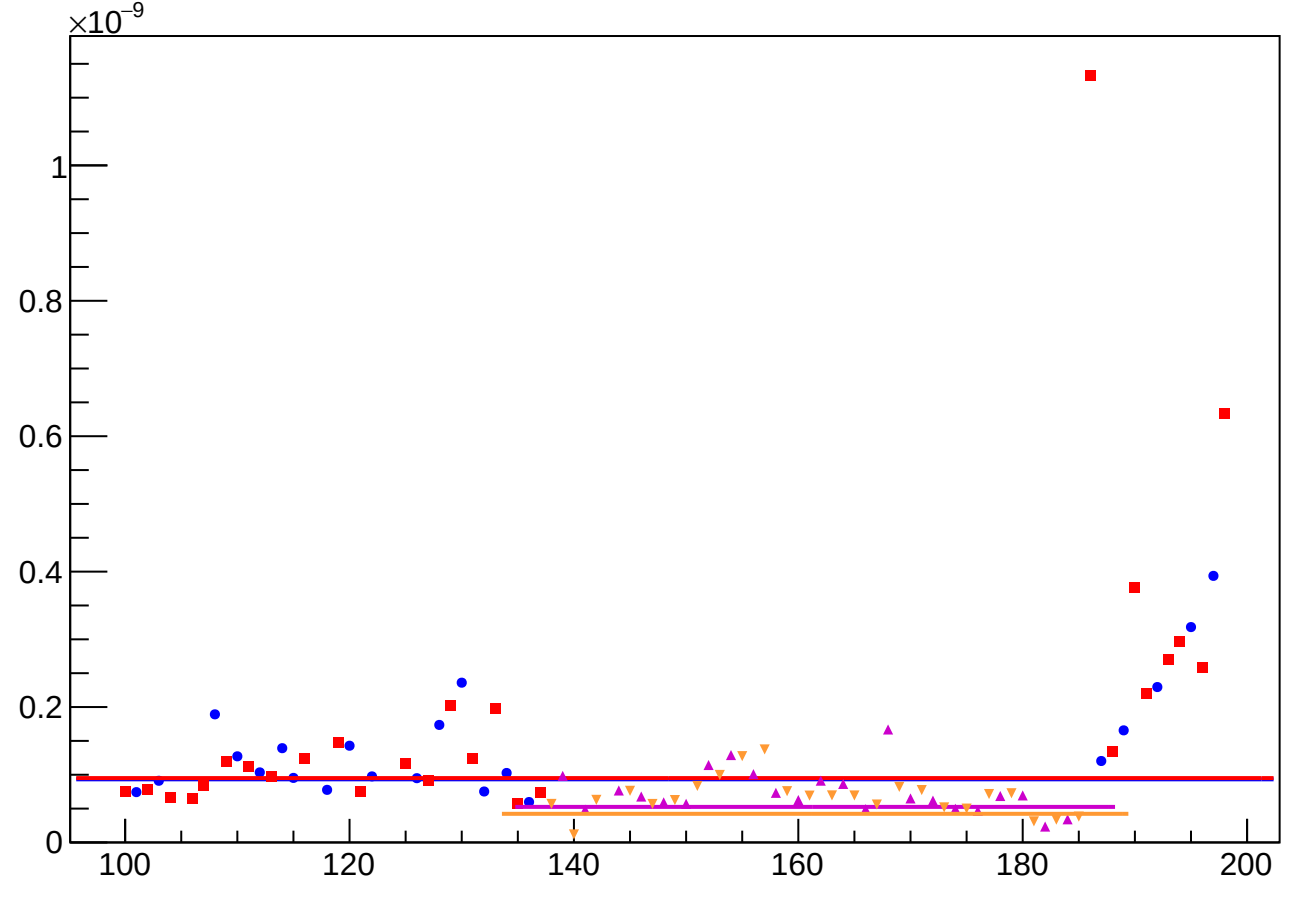
Left: -0.000+/-0.000 χ^2/NDF: 41.7/46

Right: -0.000+/-0.000 χ^2/NDF: 42.4/46

In: -0.000+/-0.000 χ^2/NDF:40.1/43

Out: -0.000+/-0.000 χ^2/NDF:44.0/49

All: -0.000+/-0.000 χ^2/NDF: 84.4/93



Right In: 0.000+/-0.000 χ^2/NDF: 2476018.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3764716.2/25

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

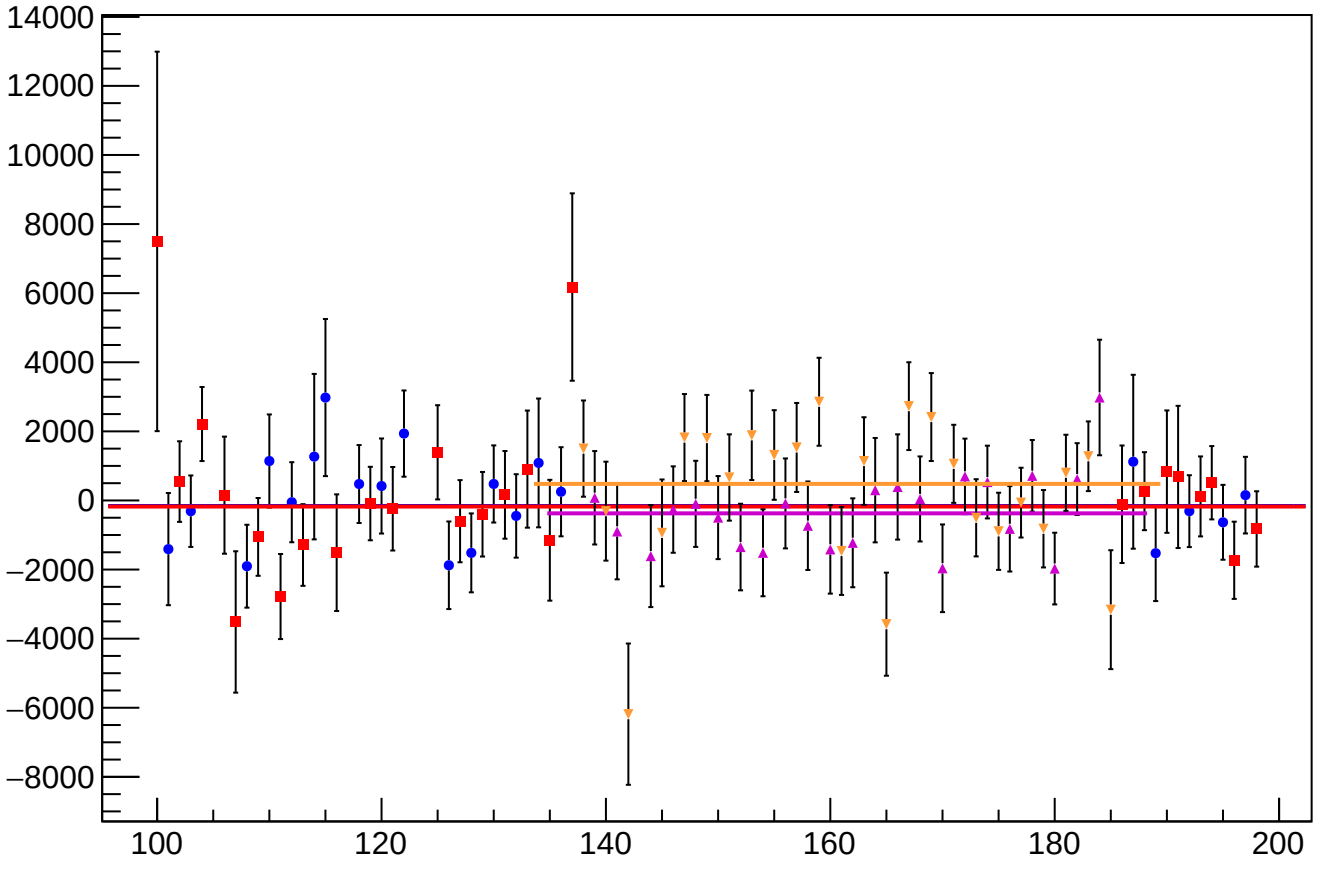
Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

Right: 0.000+/-0.000 χ^2/NDF: 6242768.1/46

In: 0.000+/-0.000 χ^2/NDF:9065094.7/43

Out: 0.000+/-0.000 χ^2/NDF:13522464.4/49

All: 0.000+/-0.000 χ^2/NDF: 23044921.0/93



Right In: -160.345+/-281.004 χ^2/NDF: 14.9/20

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: -175.993+/-261.559 χ^2/NDF: 27.8/25

Left In: -372.926+/-259.314 χ^2/NDF:16.0/22

Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

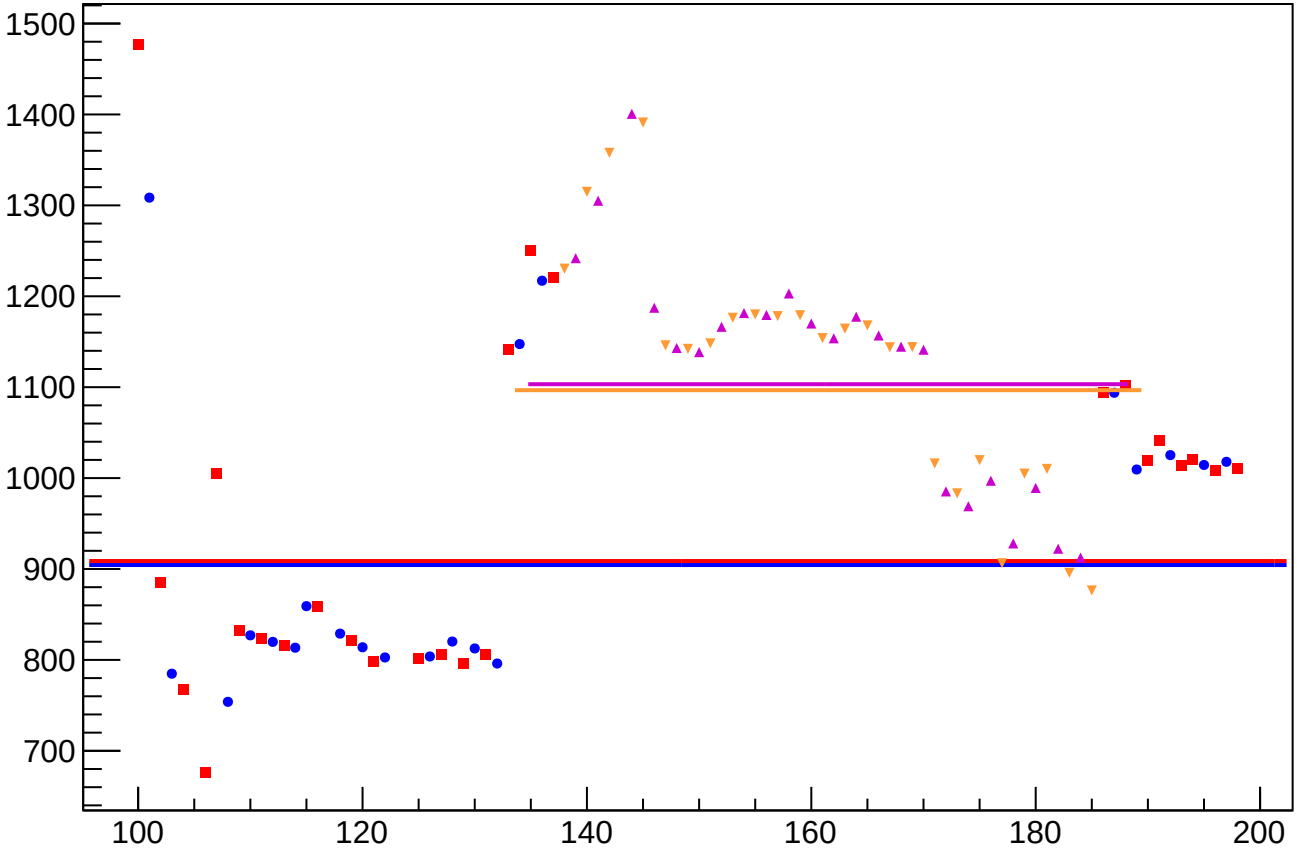
Right: -168.729+/-191.456 χ^2/NDF: 42.7/46

In: -275.156+/-190.570 χ^2/NDF:31.3/43

Out: 158.400+/-183.073 χ^2/NDF:76.2/49

All: -49.683+/-132.023 χ^2/NDF: 110.2/93

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 904.363+/-0.199 χ^2/NDF: 530087.2/20

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 908.777+/-0.183 χ^2/NDF: 557284.8/25

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

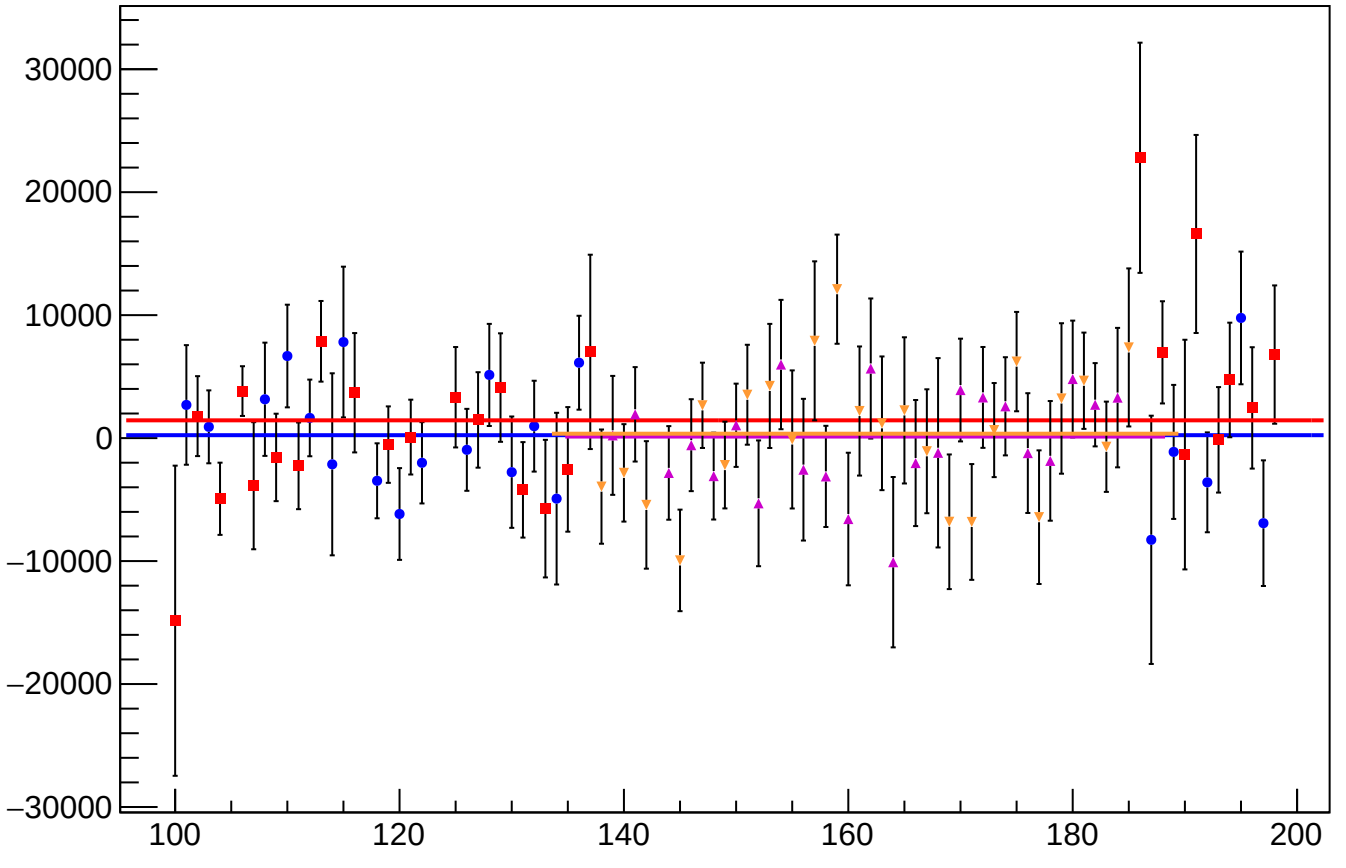
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 906.746+/-0.135 χ^2/NDF: 1087638.6/46

In: 1011.794+/-0.135 χ^2/NDF:1518892.7/43

Out: 1003.867+/-0.129 χ^2/NDF:1568901.7/49

All: 1007.655+/-0.093 χ^2/NDF: 3089600.9/93



Right In: 237.652+/-907.114 χ^2/NDF: 21.5/20

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: 1444.990+/-789.119 χ^2/NDF: 33.0/25

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

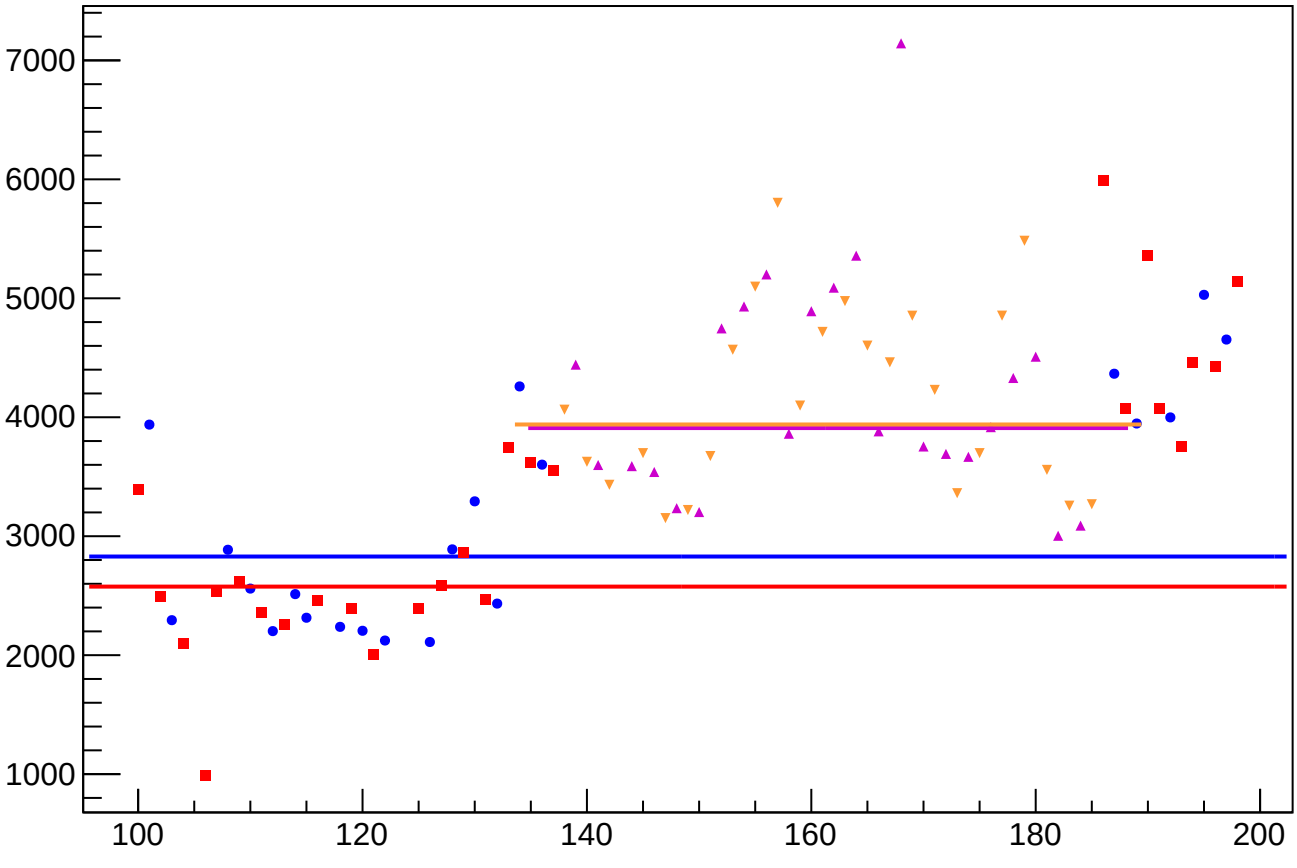
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: 924.903+/-595.369 χ^2/NDF: 55.5/46

In: 183.713+/-650.265 χ^2/NDF:35.3/43

Out: 992.260+/-602.840 χ^2/NDF:64.0/49

All: 618.543+/-442.089 χ^2/NDF: 100.1/93



Right In: 2829.254+/-0.641 χ^2/NDF: 1685774.6/20

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2576.393+/-0.558 χ^2/NDF: 3564298.4/25

Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

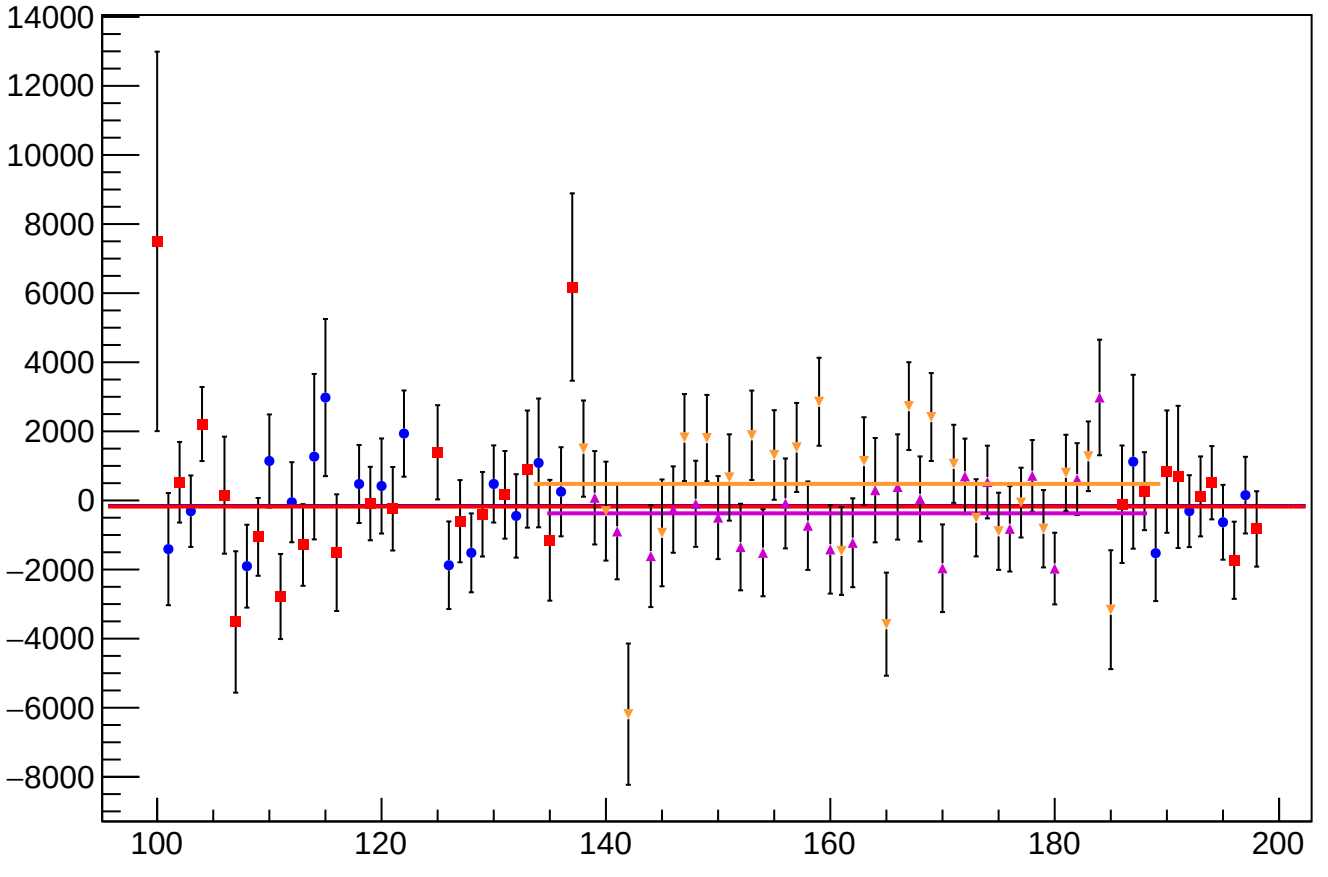
Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

Right: 2685.319+/-0.421 χ^2/NDF: 5338535.0/46

In: 3354.211+/-0.460 χ^2/NDF:4364405.8/43

Out: 3143.885+/-0.426 χ^2/NDF:7141001.2/49

All: 3241.099+/-0.313 χ^2/NDF: 11617931.7/9



Right In: -160.399+/-281.004 χ^2/NDF: 14.9/20

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -177.077+/-261.562 χ^2/NDF: 27.8/25

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

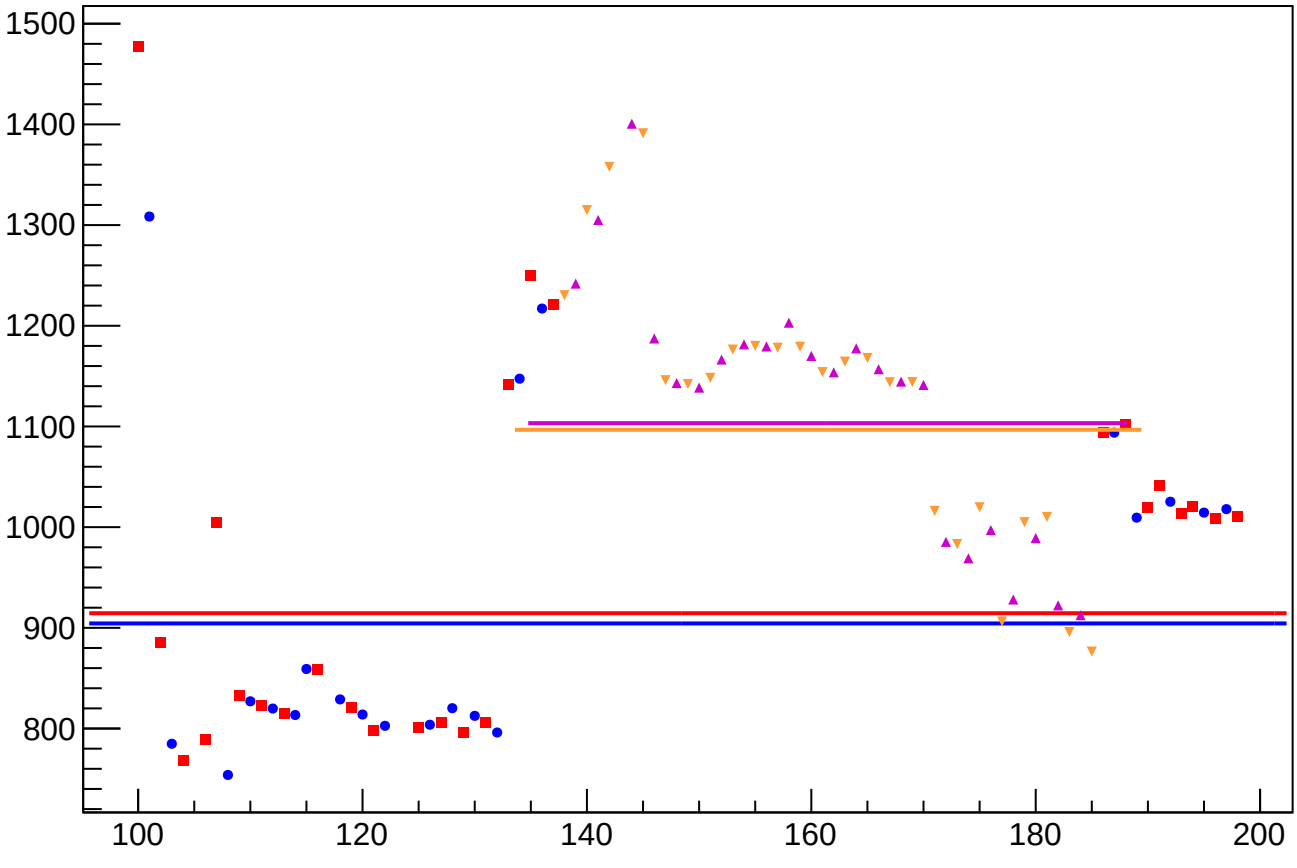
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

Right: -169.335+/-191.457 χ^2/NDF: 42.7/46

In: -275.167+/-190.570 χ^2/NDF:31.3/43

Out: 157.887+/-183.074 χ^2/NDF:76.2/49

All: -49.956+/-132.023 χ^2/NDF: 110.2/93



Right In: 904.363+/-0.199 χ^2/NDF: 530087.0/20

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 914.502+/-0.184 χ^2/NDF: 504905.9/25

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

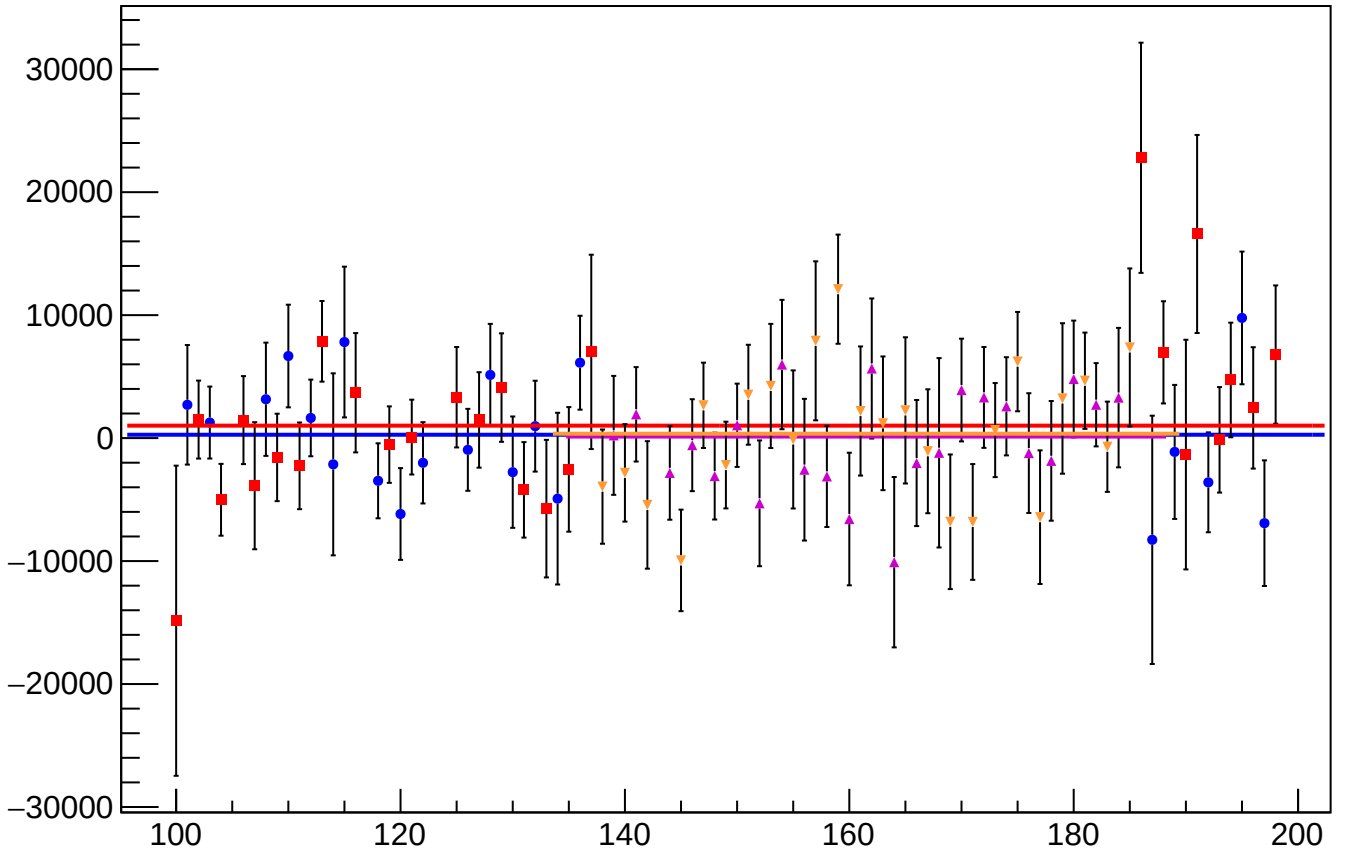
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 909.813+/-0.135 χ^2/NDF: 1036392.7/46

In: 1011.794+/-0.135 χ^2/NDF:1518892.8/43

Out: 1007.136+/-0.129 χ^2/NDF:1482216.2/49

All: 1009.367+/-0.093 χ^2/NDF: 3001731.4/93



Right In: 273.000+/-905.981 χ^2/NDF: 21.6/20

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 1012.984+/-831.787 χ^2/NDF: 31.5/25

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

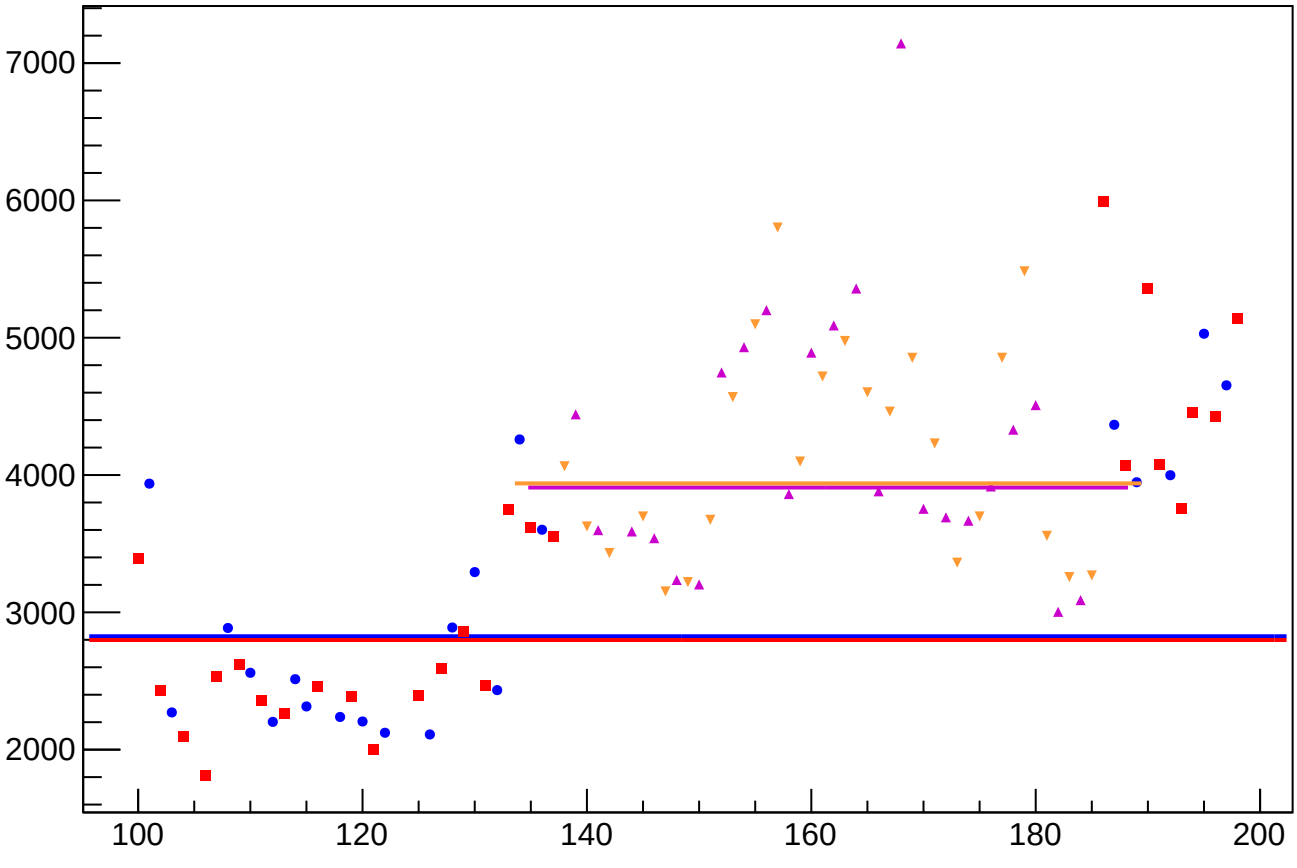
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

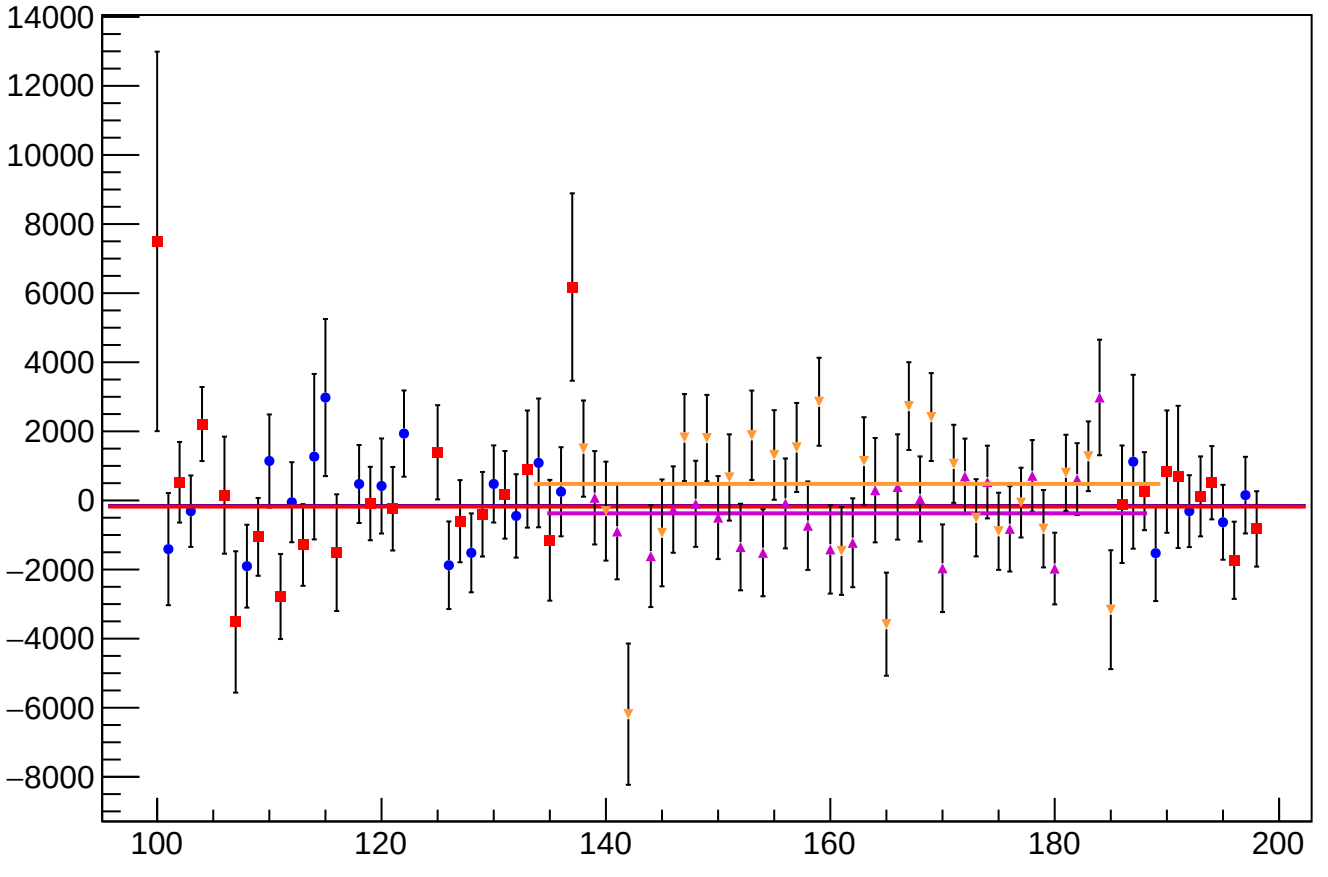
Right: 674.528+/-612.716 χ^2/NDF: 53.4/46

In: 201.939+/-649.847 χ^2/NDF:35.3/43

Out: 723.235+/-621.234 χ^2/NDF:62.0/49

All: 474.316+/-449.053 χ^2/NDF: 97.7/93


asym_usl_atl2_dd_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 2825.699+/-0.641 χ²/NDF: 1693244.1/20
Left Out: 3939.266+/-0.661 χ²/NDF:1092657.5/23
Right Out: 2798.527+/-0.588 χ²/NDF: 2282678.6/25
Left In: 3909.128+/-0.659 χ²/NDF:1300782.7/22
Left: 3924.171+/-0.467 χ²/NDF: 2394482.7/46
Right: 2810.955+/-0.433 χ²/NDF: 3976898.8/46
In: 3351.705+/-0.460 χ²/NDF:4382646.1/43
Out: 3302.952+/-0.439 χ²/NDF:5038702.5/49
All: 3326.232+/-0.318 χ²/NDF: 9427230.0/93



Right In: -160.399+/-281.004 χ^2/NDF: 14.9/20

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -177.077+/-261.562 χ^2/NDF: 27.8/25

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

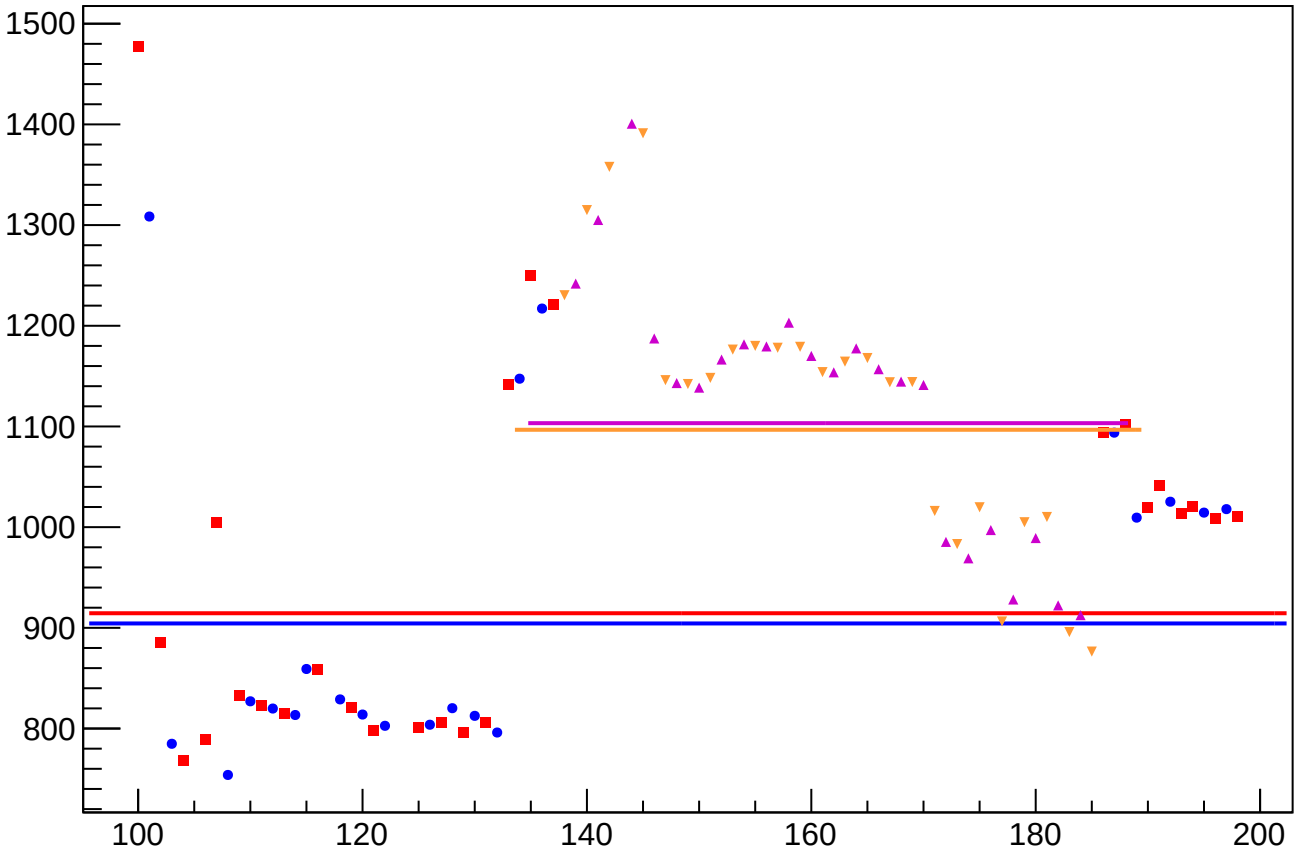
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

Right: -169.335+/-191.457 χ^2/NDF: 42.7/46

In: -275.167+/-190.570 χ^2/NDF:31.3/43

Out: 157.887+/-183.074 χ^2/NDF:76.2/49

All: -49.956+/-132.023 χ^2/NDF: 110.2/93



Right In: 904.363+/-0.199 χ^2/NDF: 530087.0/20

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 914.502+/-0.184 χ^2/NDF: 504905.9/25

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

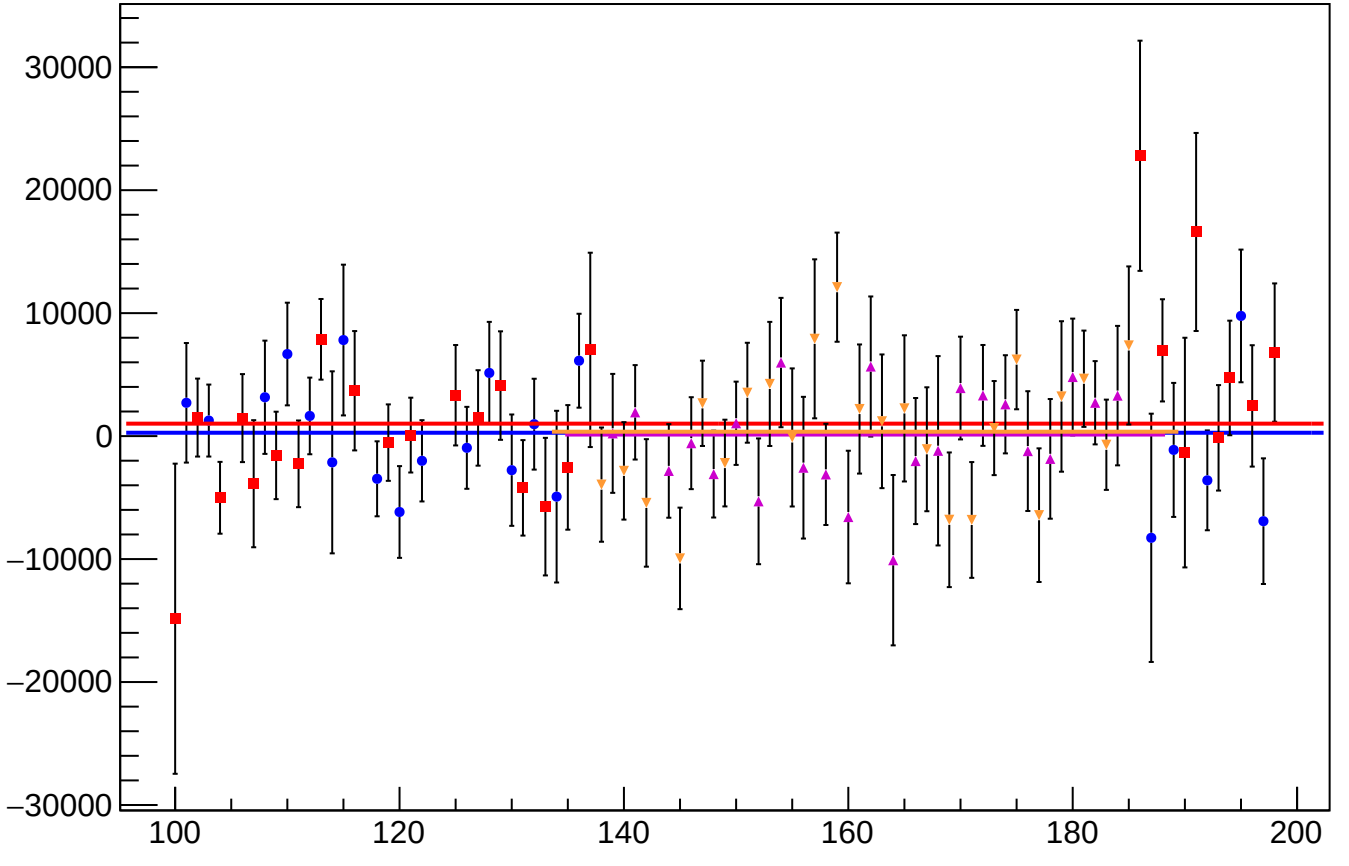
Right: 909.813+/-0.135 χ^2/NDF: 1036392.7/46

In: 1011.794+/-0.135 χ^2/NDF:1518892.8/43

Out: 1007.136+/-0.129 χ^2/NDF:1482216.2/49

All: 1009.367+/-0.093 χ^2/NDF: 3001731.4/93

asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 273.000+/-905.981 χ^2/NDF: 21.6/20

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 1012.984+/-831.787 χ^2/NDF: 31.5/25

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

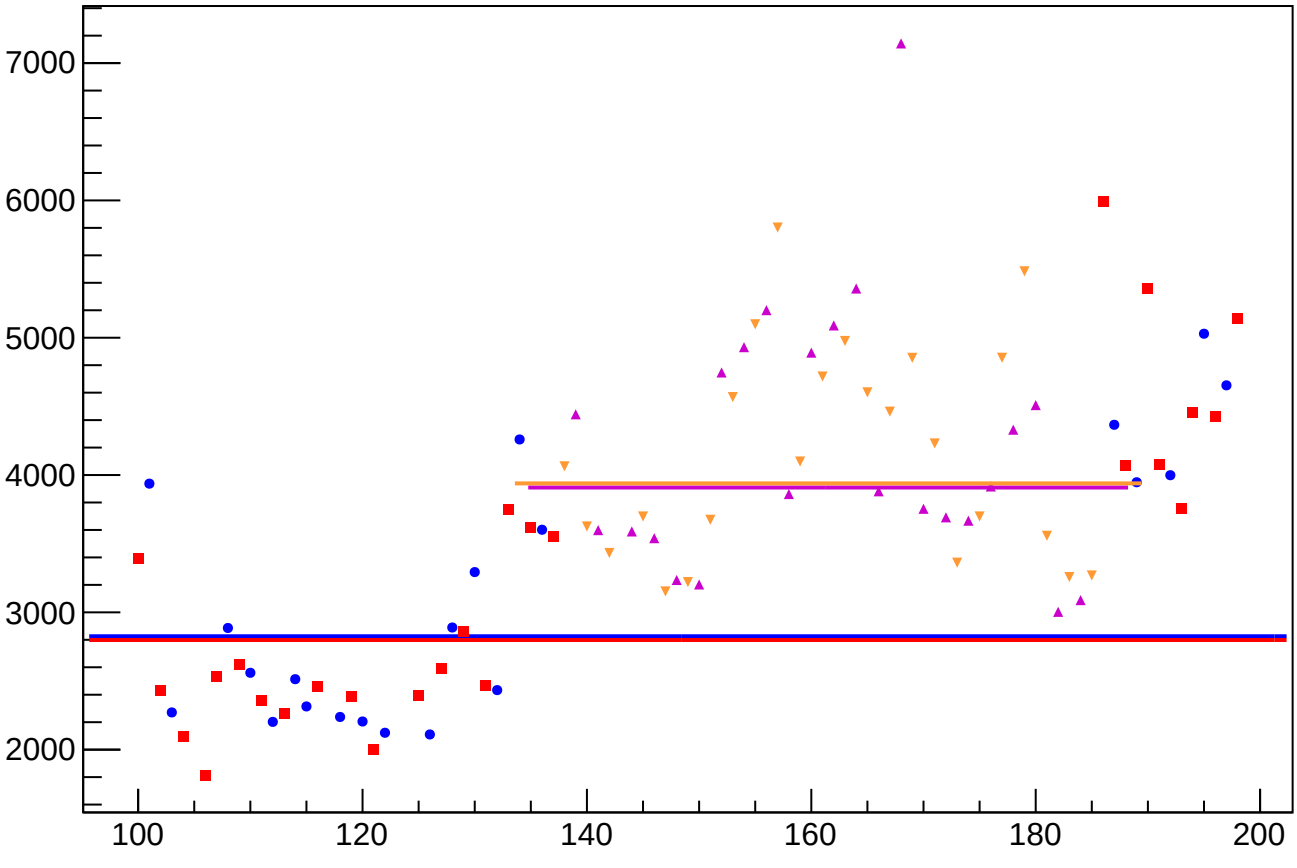
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

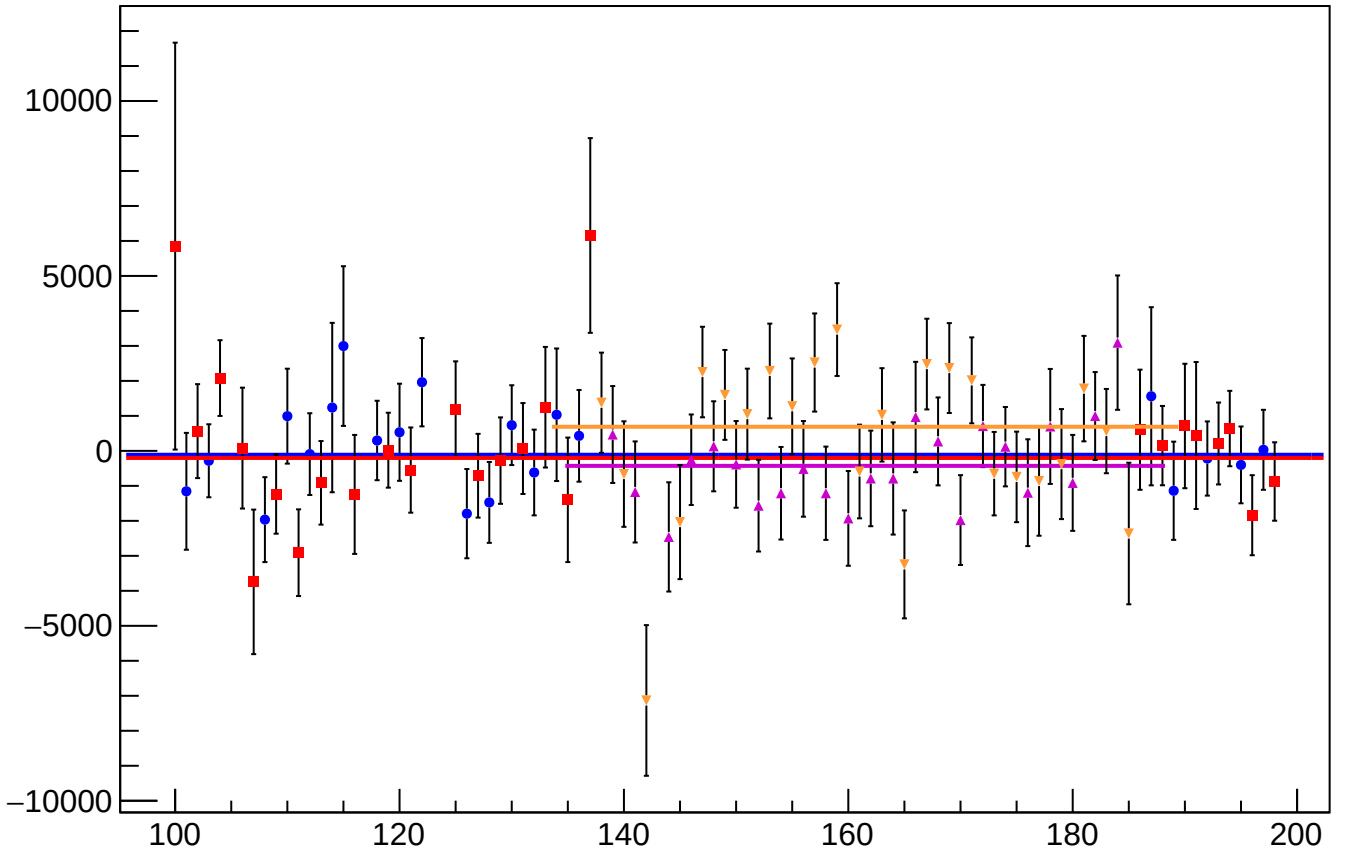
Right: 674.528+/-612.716 χ^2/NDF: 53.4/46

In: 201.939+/-649.847 χ^2/NDF:35.3/43

Out: 723.235+/-621.234 χ^2/NDF:62.0/49

All: 474.316+/-449.053 χ^2/NDF: 97.7/93


asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 2825.699+/-0.641 χ²/NDF: 1693244.1/20
Left Out: 3939.266+/-0.661 χ²/NDF:1092657.5/23
Right Out: 2798.527+/-0.588 χ²/NDF: 2282678.6/25
Left In: 3909.128+/-0.659 χ²/NDF:1300782.7/22
Left: 3924.171+/-0.467 χ²/NDF: 2394482.7/46
Right: 2810.955+/-0.433 χ²/NDF: 3976898.8/46
In: 3351.705+/-0.460 χ²/NDF:4382646.1/43
Out: 3302.952+/-0.439 χ²/NDF:5038702.5/49
All: 3326.232+/-0.318 χ²/NDF: 9427230.0/93



Right In: -110.827+/-284.847 χ^2/NDF: 14.1/20

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: -202.111+/-266.284 χ^2/NDF: 26.7/25

Left In: -428.052+/-284.383 χ^2/NDF:14.6/22

Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

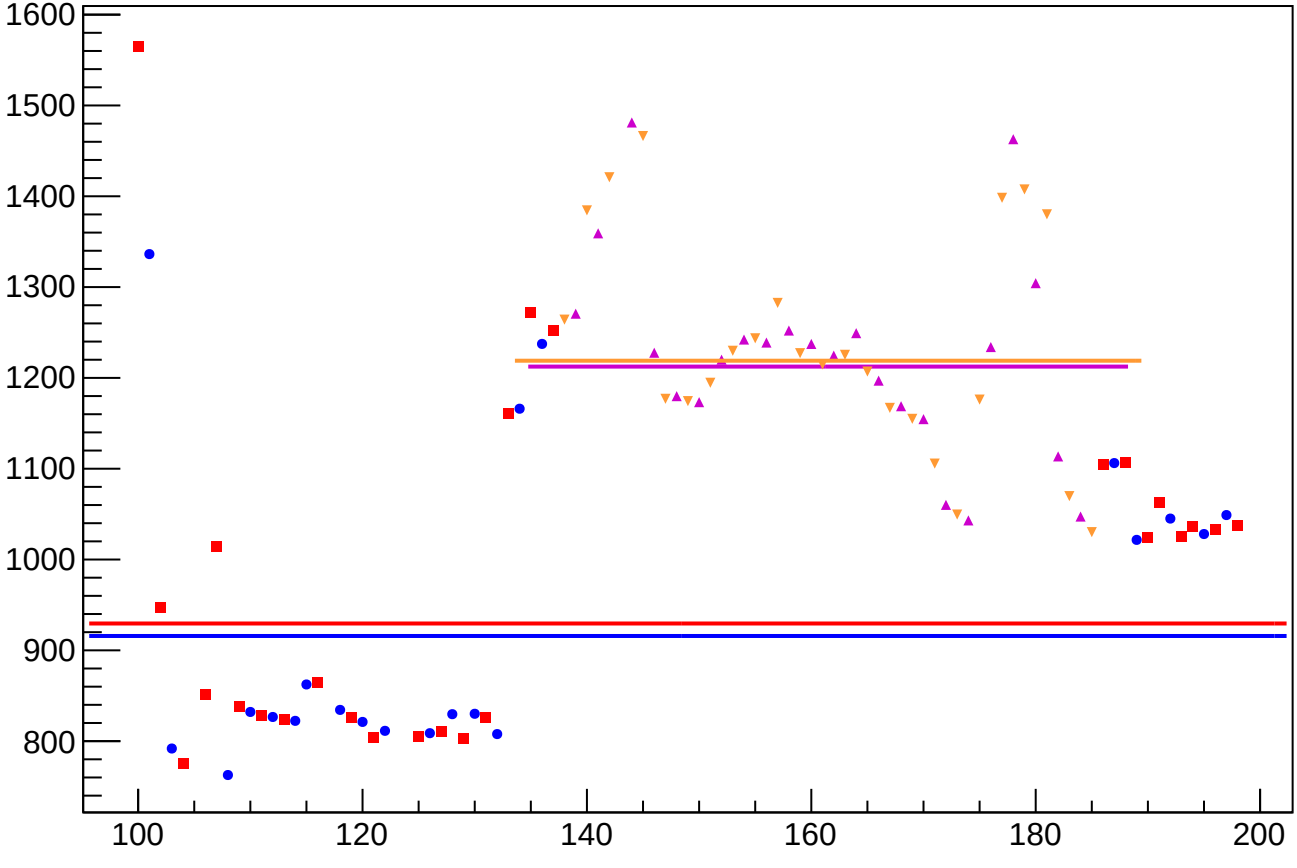
Right: -159.540+/-194.523 χ^2/NDF: 40.9/46

In: -269.698+/-201.253 χ^2/NDF:29.3/43

Out: 214.220+/-194.377 χ^2/NDF:77.7/49

All: -19.331+/-139.813 χ^2/NDF: 110.0/93

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 915.813+/-0.201 χ^2/NDF: 551140.8/20

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 929.564+/-0.188 χ^2/NDF: 515299.9/25

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

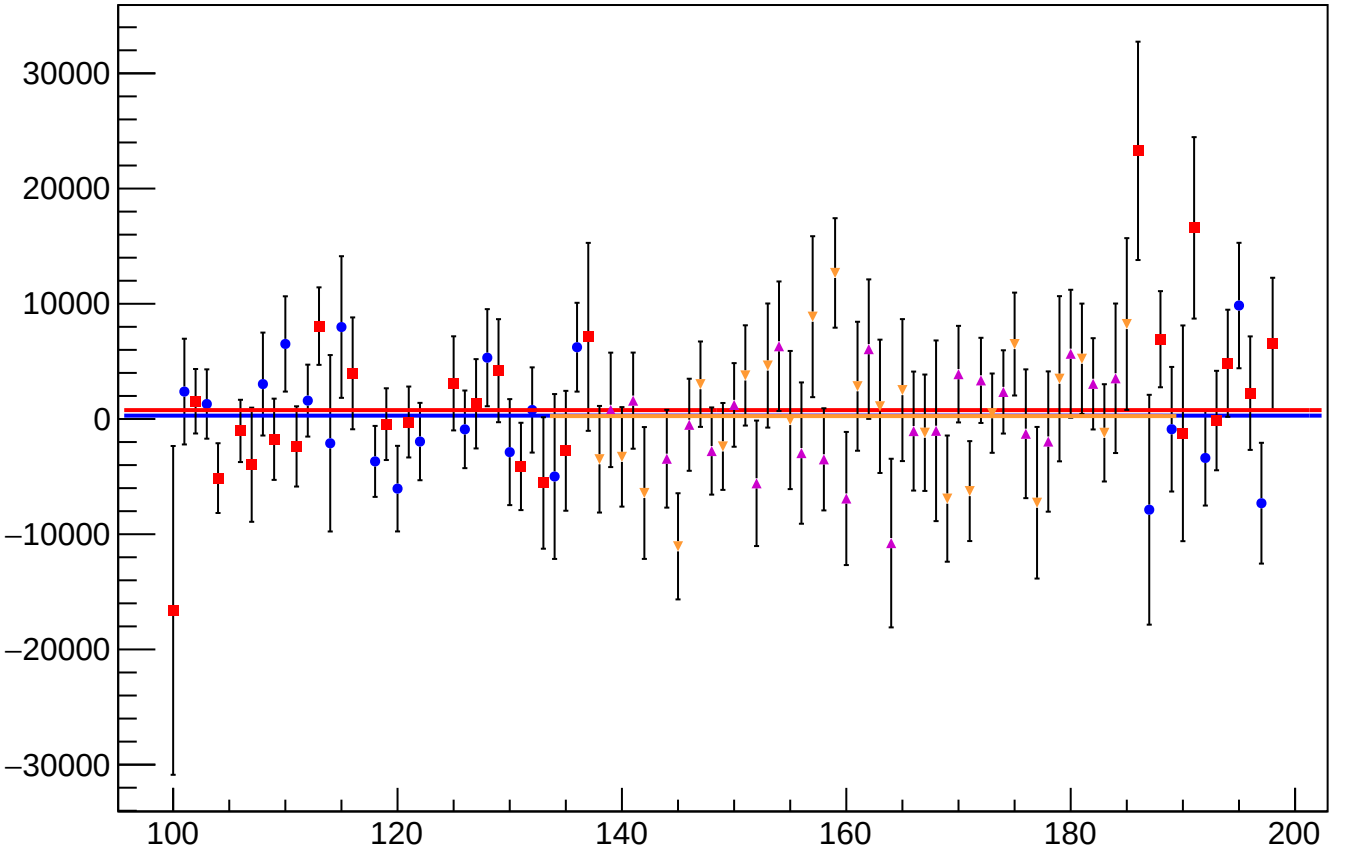
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 923.155+/-0.138 χ^2/NDF: 1068929.6/46

In: 1064.372+/-0.142 χ^2/NDF:1897705.3/43

Out: 1064.649+/-0.137 χ^2/NDF:1913146.0/49

All: 1064.515+/-0.099 χ^2/NDF: 3810853.3/93



Right In: 292.320+/-911.392 χ^2/NDF: 21.5/20

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: 771.263+/-811.460 χ^2/NDF: 32.2/25

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

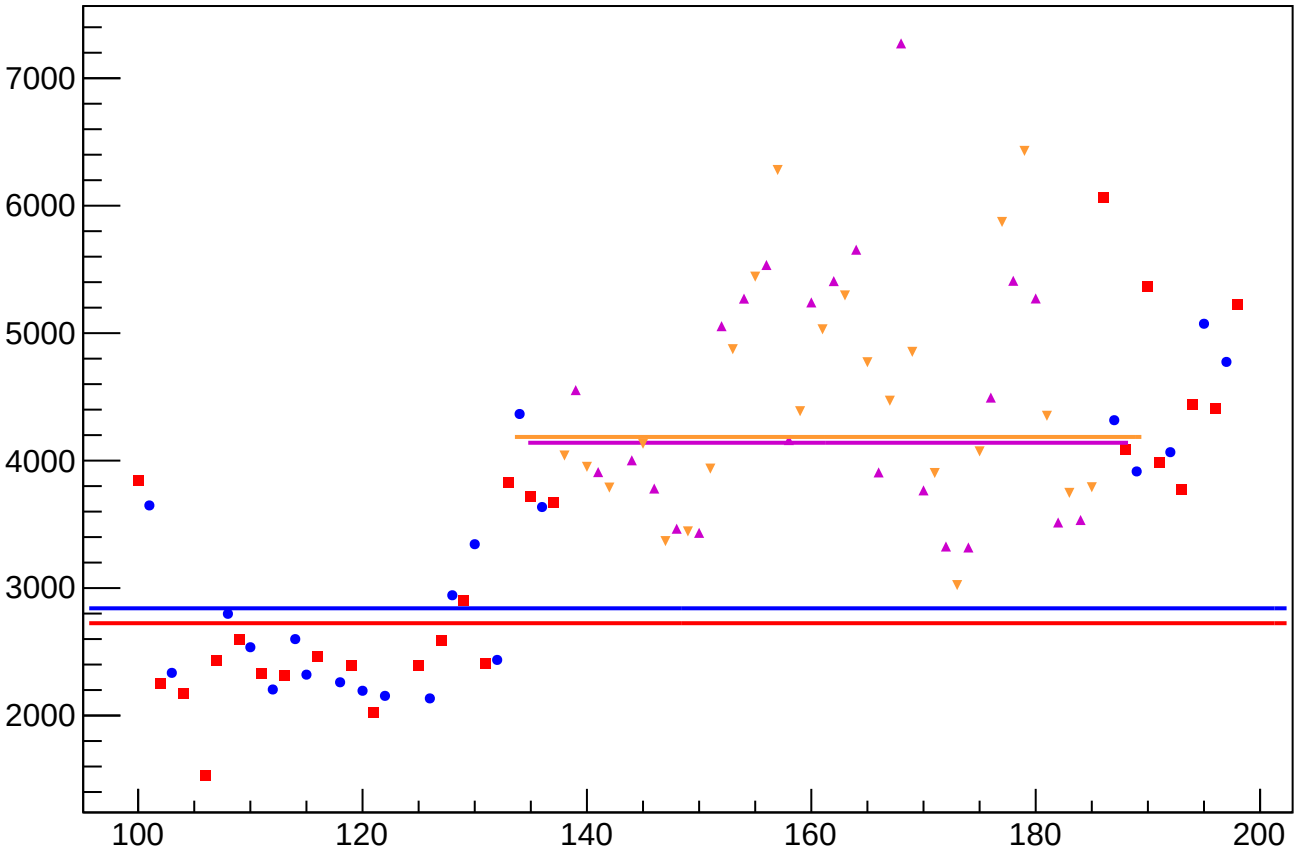
Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

Right: 559.479+/-606.052 χ^2/NDF: 53.8/46

In: 280.355+/-670.548 χ^2/NDF:34.9/43

Out: 564.209+/-628.887 χ^2/NDF:62.0/49

All: 431.373+/-458.712 χ^2/NDF: 97.0/93



Right In: 2841.307+/-0.644 χ^2/NDF: 1664313.4/20

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2724.393+/-0.574 χ^2/NDF: 2612286.7/25

Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

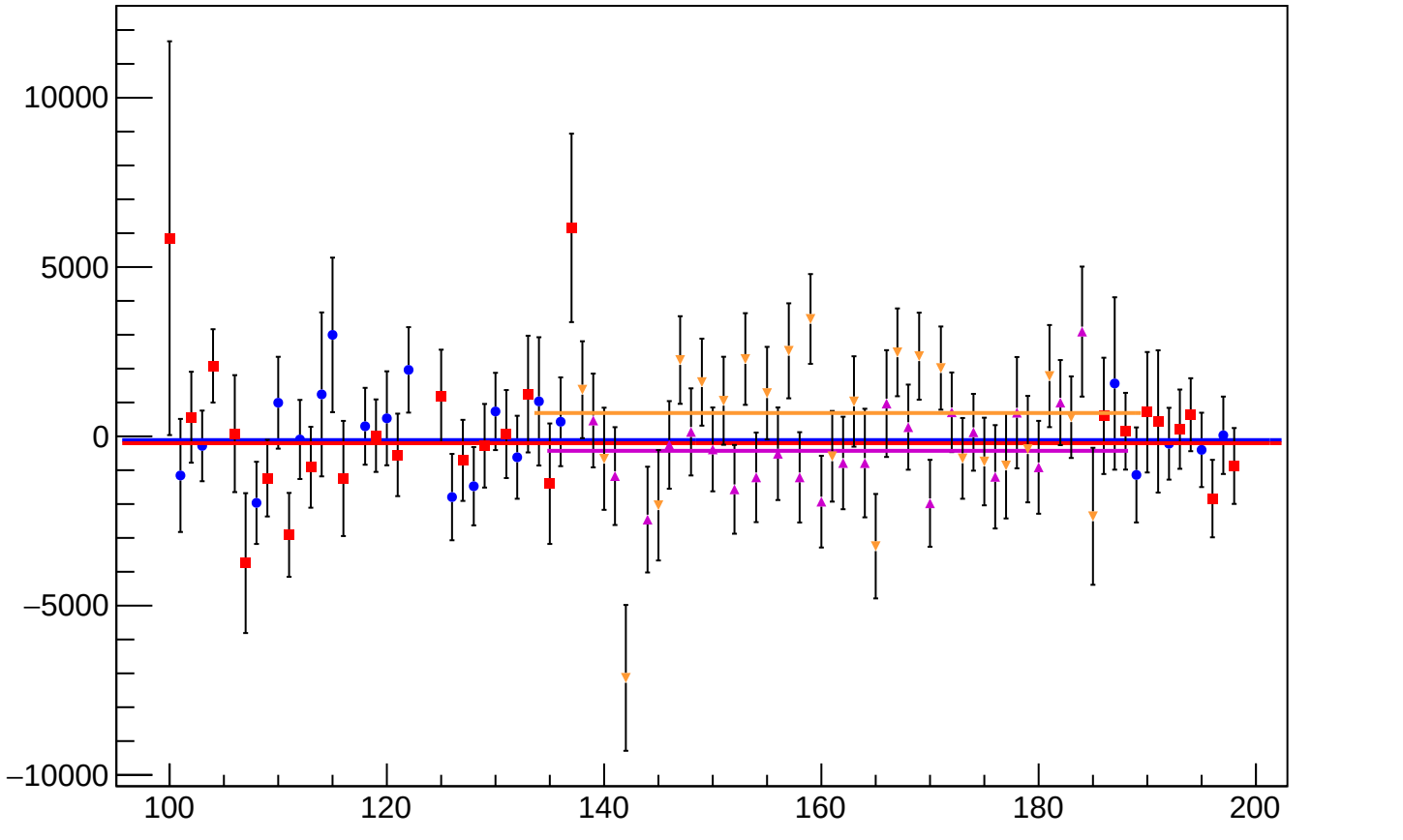
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 2776.091+/-0.429 χ^2/NDF: 4294958.5/46

In: 3437.024+/-0.474 χ^2/NDF:4977109.0/43

Out: 3307.969+/-0.445 χ^2/NDF:6473663.9/49

All: 3368.363+/-0.324 χ^2/NDF: 11490187.4/9



Right In: -110.828+/-284.847 χ^2/NDF: 14.1/20

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: -202.113+/-266.284 χ^2/NDF: 26.7/25

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

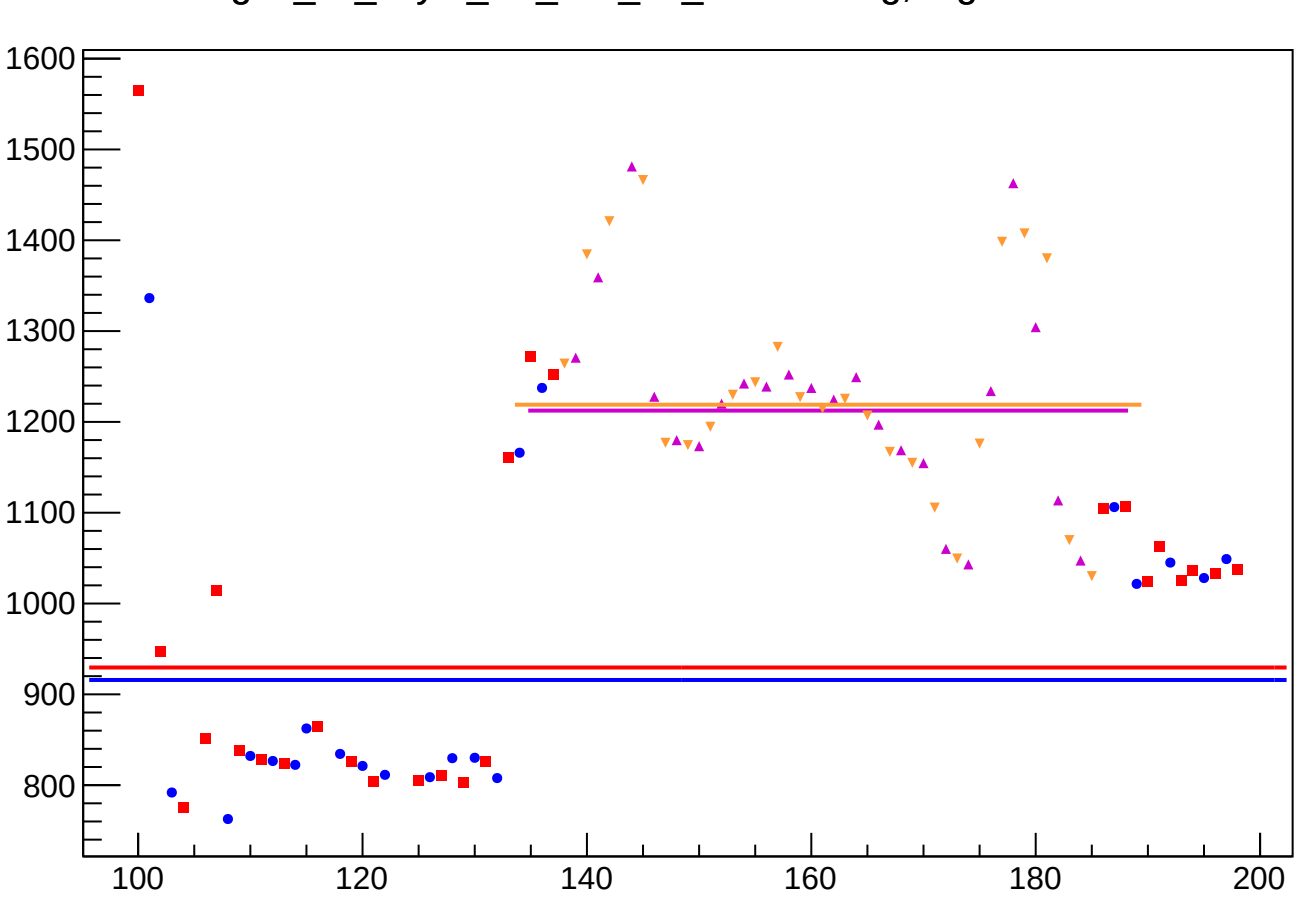
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -159.542+/-194.523 χ^2/NDF: 40.9/46

In: -269.698+/-201.253 χ^2/NDF:29.3/43

Out: 214.220+/-194.377 χ^2/NDF:77.7/49

All: -19.330+/-139.813 χ^2/NDF: 110.0/93



Right In: 915.813+/-0.201 χ^2/NDF: 551140.9/20

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

Right Out: 929.564+/-0.188 χ^2/NDF: 515300.3/25

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

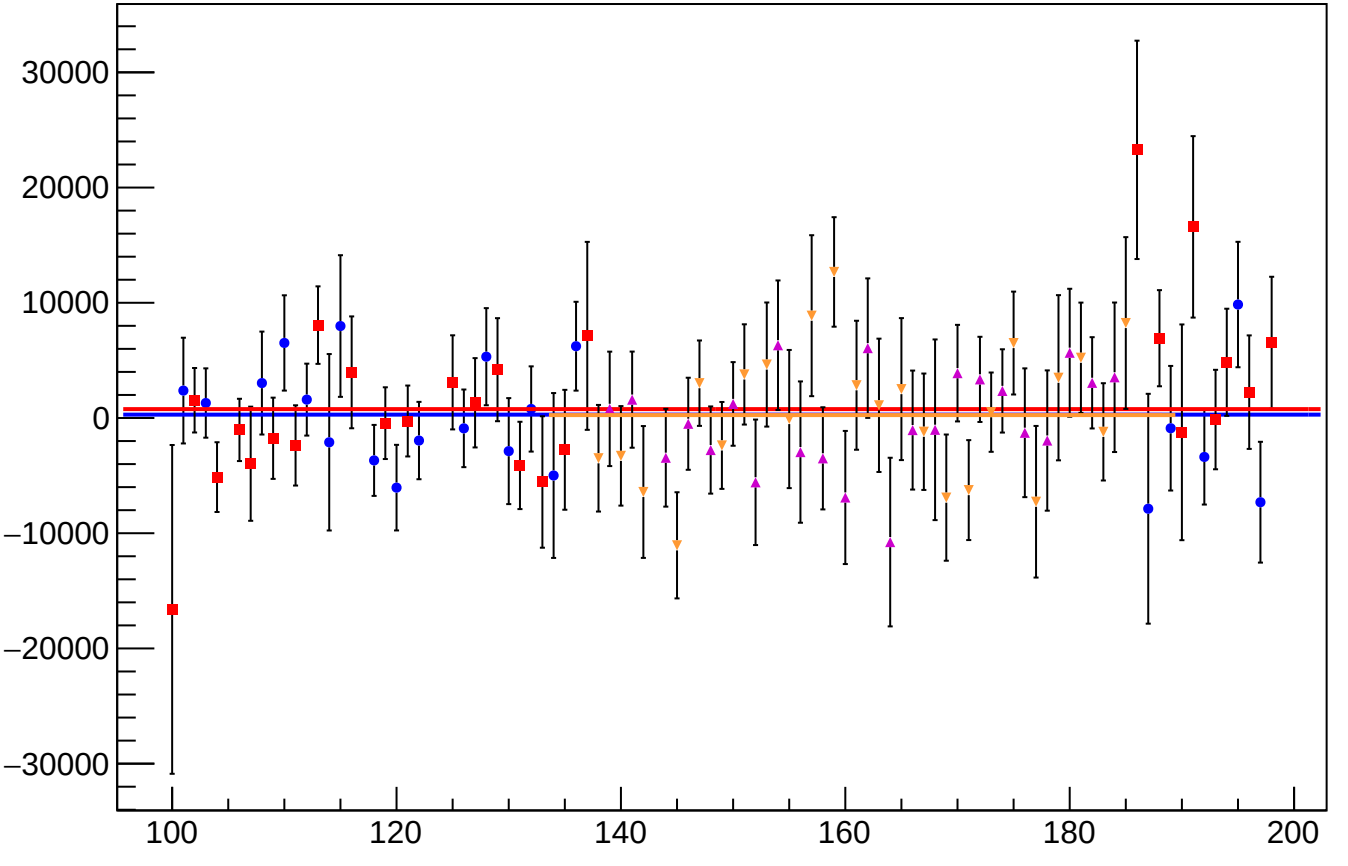
Right: 923.156+/-0.138 χ^2/NDF: 1068930.1/46

In: 1064.372+/-0.142 χ^2/NDF:1897721.2/43

Out: 1064.650+/-0.137 χ^2/NDF:1913163.2/49

All: 1064.516+/-0.099 χ^2/NDF: 3810886.4/93

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 292.317+/-911.390 χ^2/NDF: 21.5/20

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: 771.258+/-811.458 χ^2/NDF: 32.2/25

Left In: 266.236+/-990.085 χ^2/NDF:13.4/22

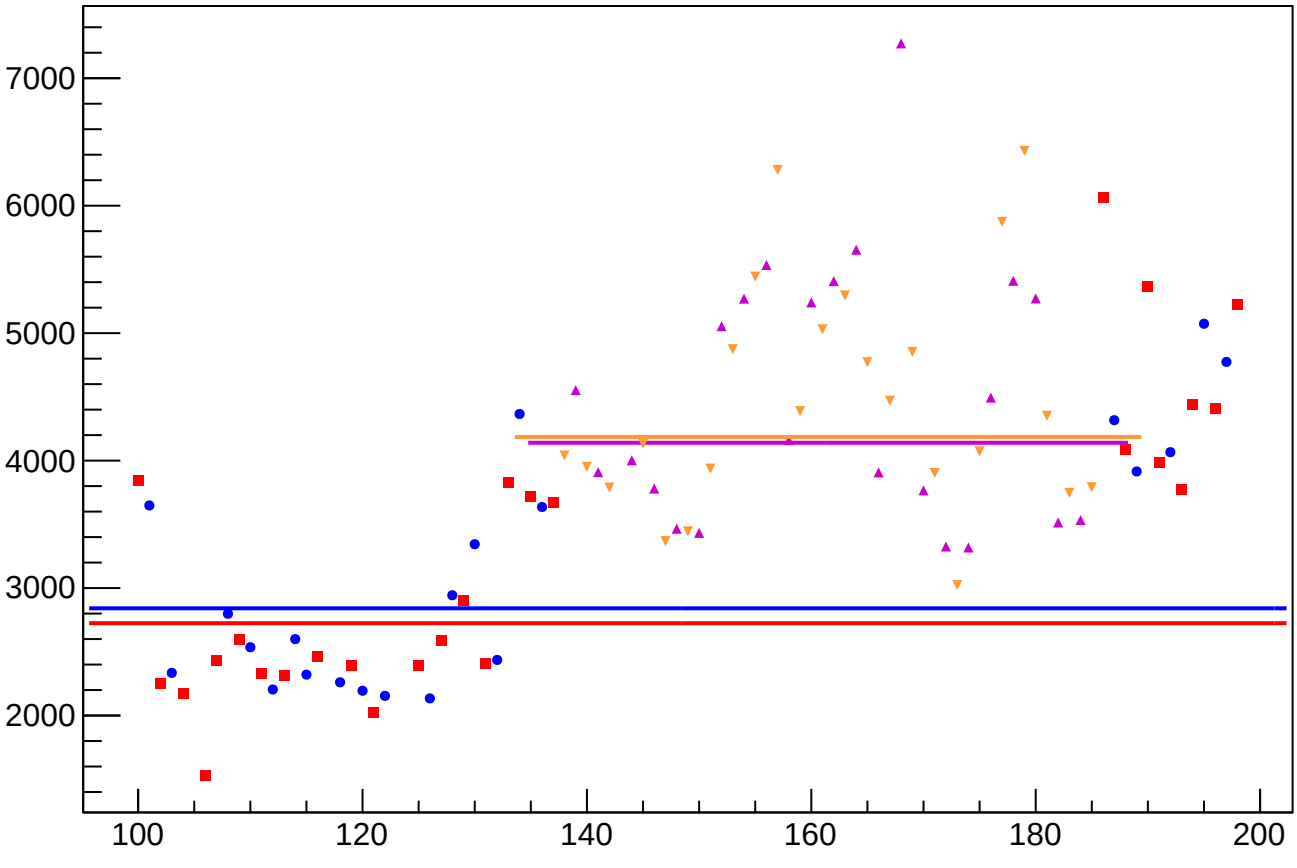
Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

Right: 559.475+/-606.051 χ^2/NDF: 53.8/46

In: 280.354+/-670.547 χ^2/NDF:34.9/43

Out: 564.208+/-628.887 χ^2/NDF:62.0/49

All: 431.372+/-458.711 χ^2/NDF: 97.0/93



Right In: 2841.299+/-0.644 χ^2/NDF: 1664337.4/20

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2724.387+/-0.574 χ^2/NDF: 2612310.5/25

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

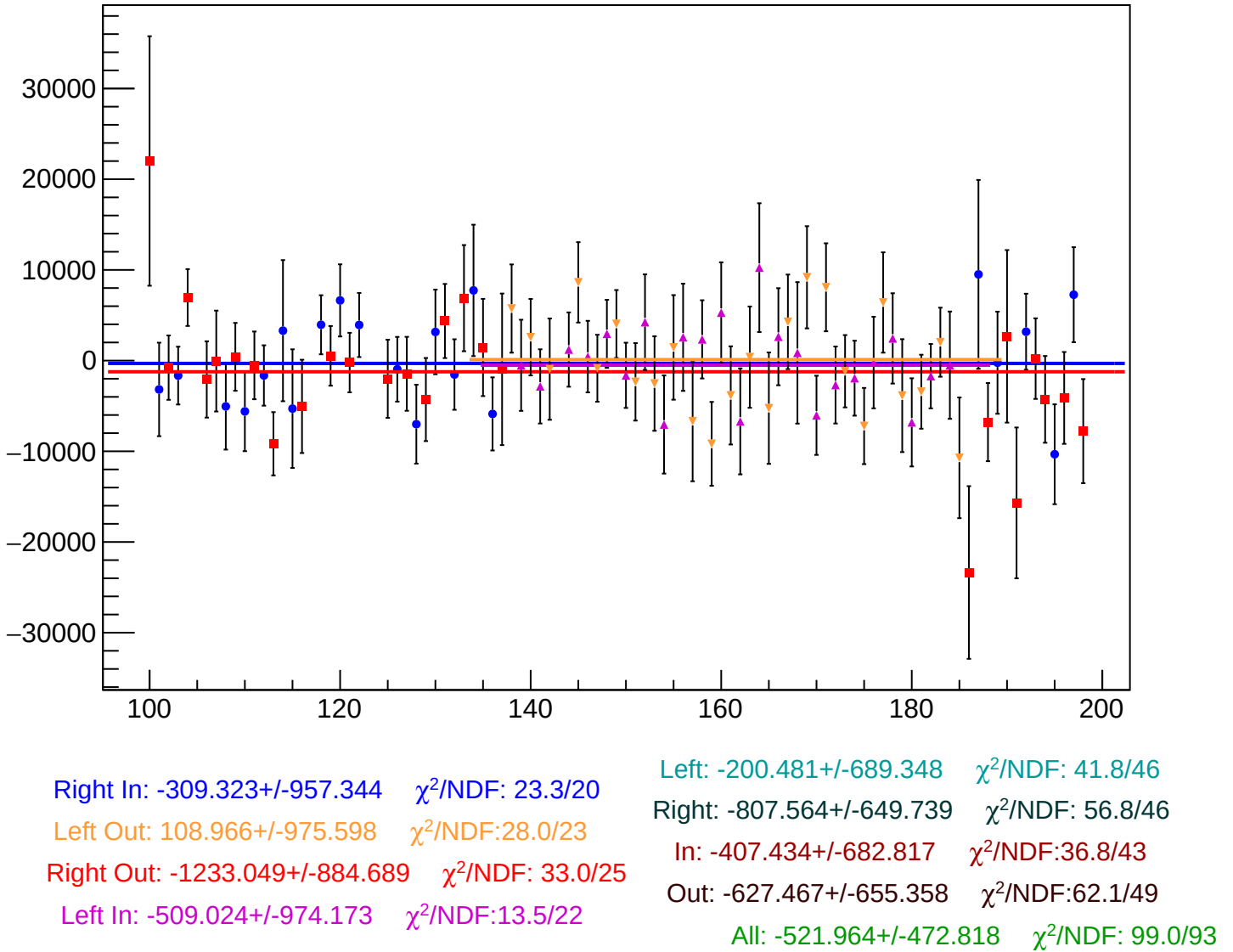
Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

Right: 2776.084+/-0.429 χ^2/NDF: 4295006.0/46

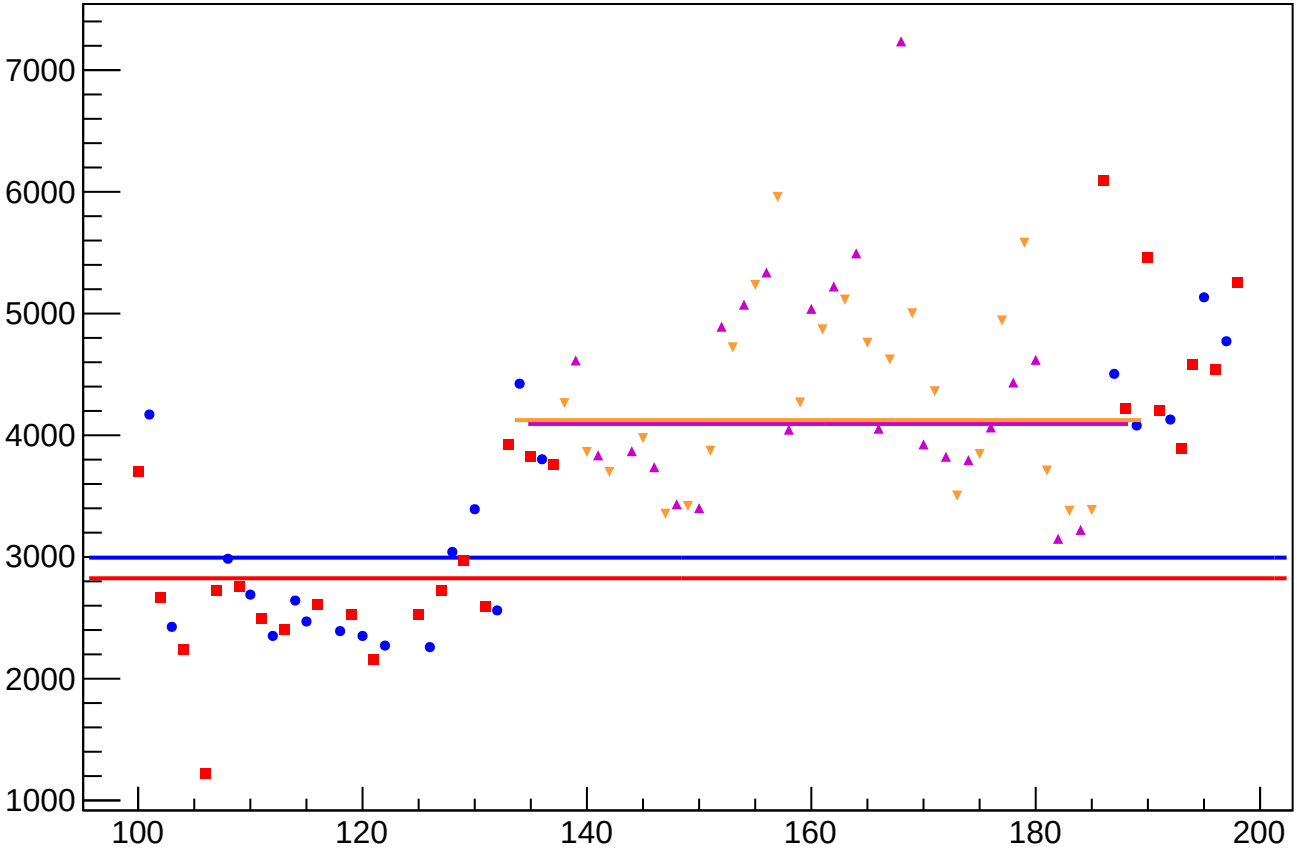
In: 3437.020+/-0.474 χ^2/NDF:4977178.8/43

Out: 3307.965+/-0.445 χ^2/NDF:6473737.3/49

All: 3368.359+/-0.324 χ^2/NDF: 11490330.6/9


asym_usl_atl2_dd_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -309.323+/-957.344 χ²/NDF: 23.3/20
Left Out: 108.966+/-975.598 χ²/NDF:28.0/23
Right Out: -1233.049+/-884.689 χ²/NDF: 33.0/25
Left In: -509.024+/-974.173 χ²/NDF:13.5/22
Left: -200.481+/-689.348 χ²/NDF: 41.8/46
Right: -807.564+/-649.739 χ²/NDF: 56.8/46
In: -407.434+/-682.817 χ²/NDF:36.8/43
Out: -627.467+/-655.358 χ²/NDF:62.1/49
All: -521.964+/-472.818 χ²/NDF: 99.0/93

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2994.741+/-0.677 χ^2/NDF: 1551595.6/20

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 2825.202+/-0.602 χ^2/NDF: 2847648.6/25

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

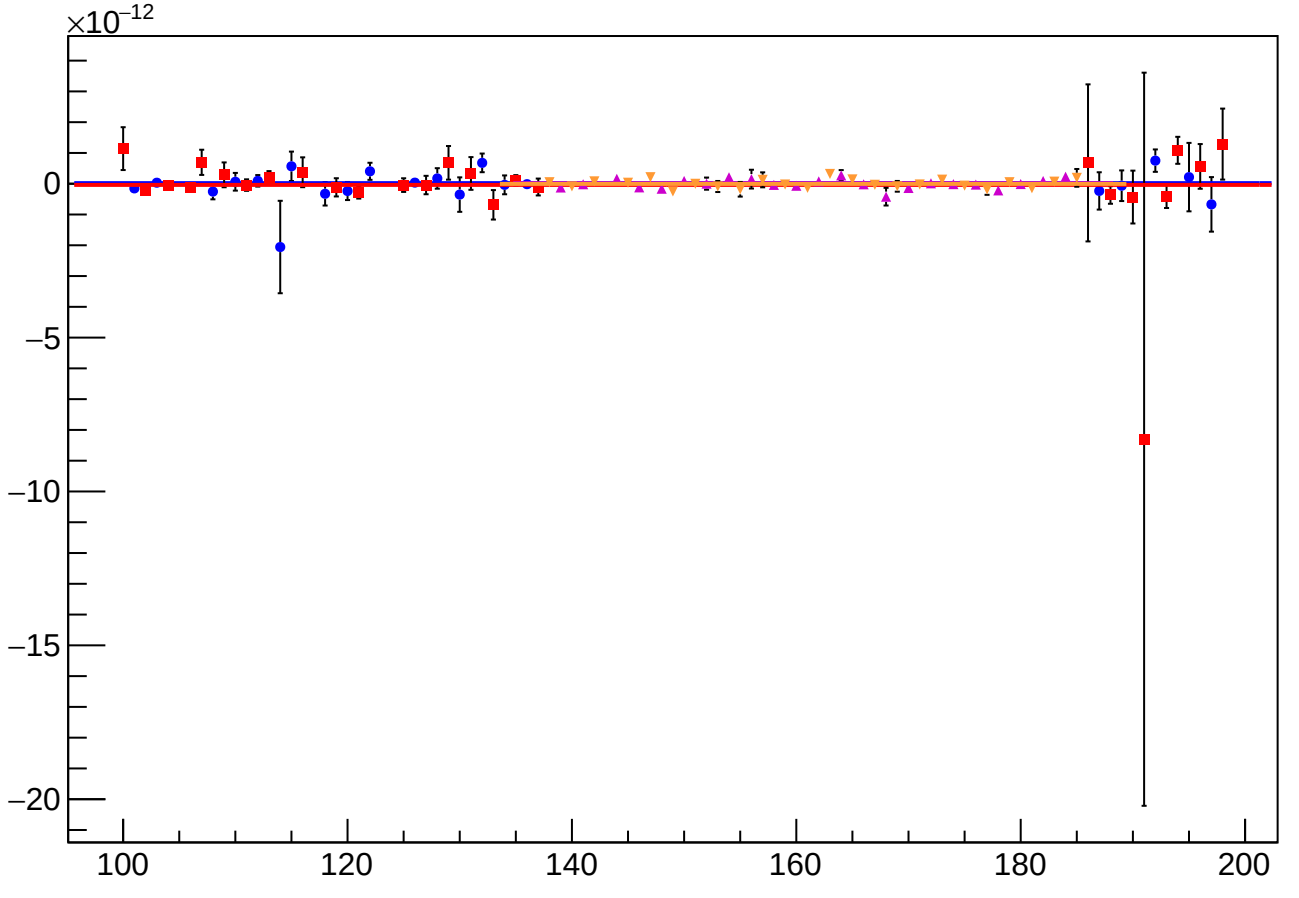
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 2900.118+/-0.450 χ^2/NDF: 4434251.6/46

In: 3534.335+/-0.483 χ^2/NDF:4007726.6/43

Out: 3387.253+/-0.454 χ^2/NDF:5830353.5/49

All: 3456.228+/-0.331 χ^2/NDF: 9887359.9/93



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/20

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.5/25

Left In: 0.000+/-0.000 χ^2/NDF:25.7/22

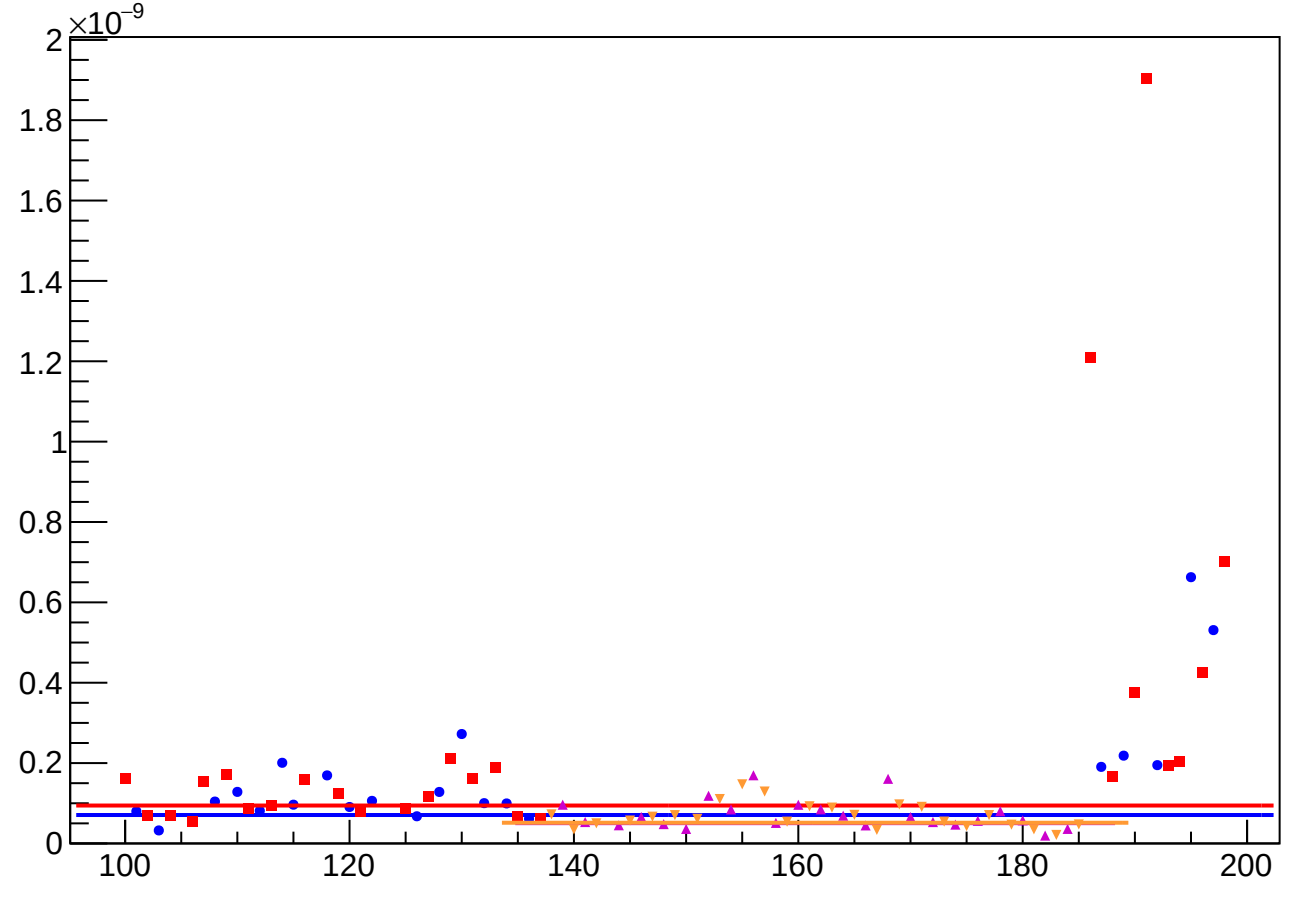
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 49.5/46

In: 0.000+/-0.000 χ^2/NDF:46.0/43

Out: -0.000+/-0.000 χ^2/NDF:53.1/49

All: 0.000+/-0.000 χ^2/NDF: 100.0/93



Right In: 0.000+/-0.000 χ^2/NDF: 2848462.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2771767.5/25

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

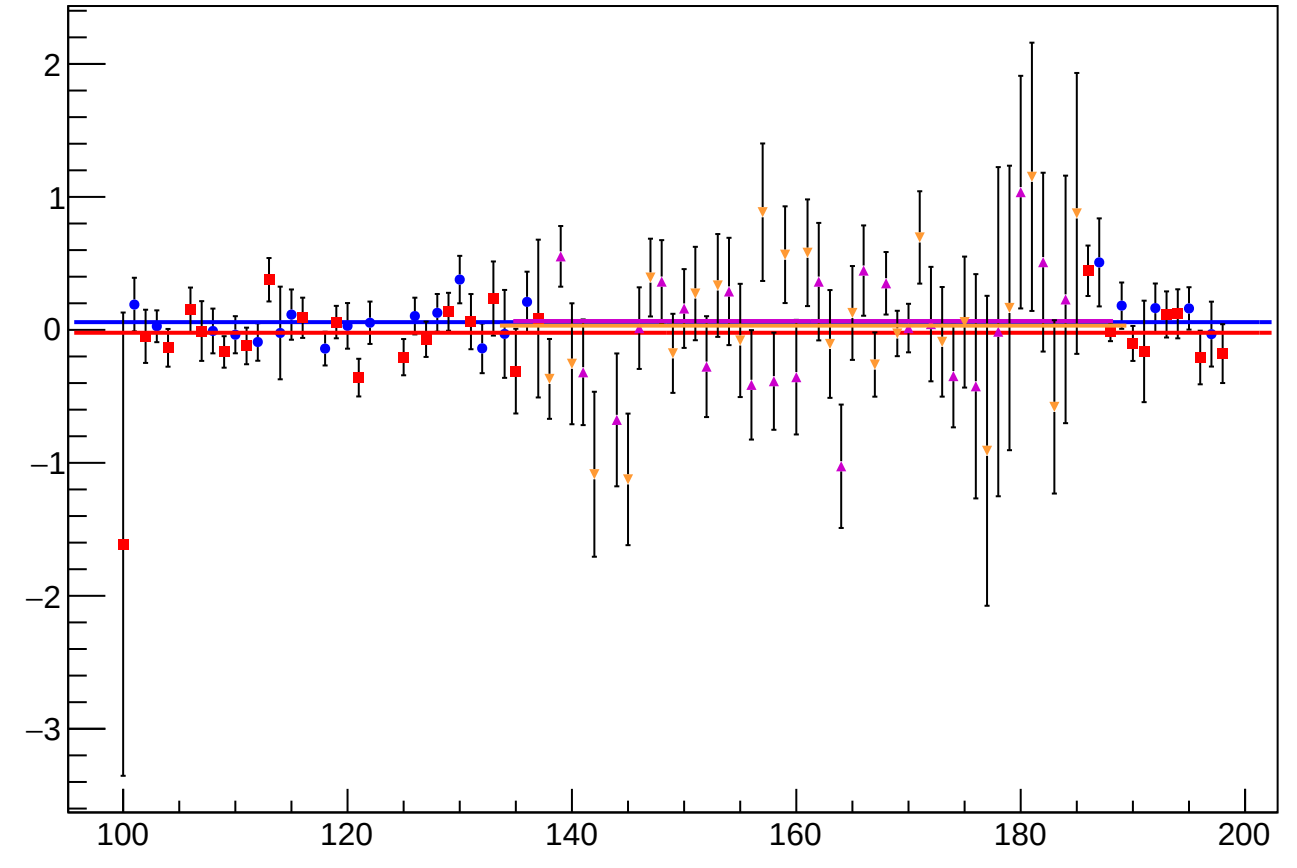
Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

Right: 0.000+/-0.000 χ^2/NDF: 5866756.1/46

In: 0.000+/-0.000 χ^2/NDF:5629403.6/43

Out: 0.000+/-0.000 χ^2/NDF:6212852.7/49

All: 0.000+/-0.000 χ^2/NDF: 11876159.3/93



Right In: 0.058+/-0.037 χ^2/NDF: 13.3/20

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.022+/-0.031 χ^2/NDF: 31.3/25

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

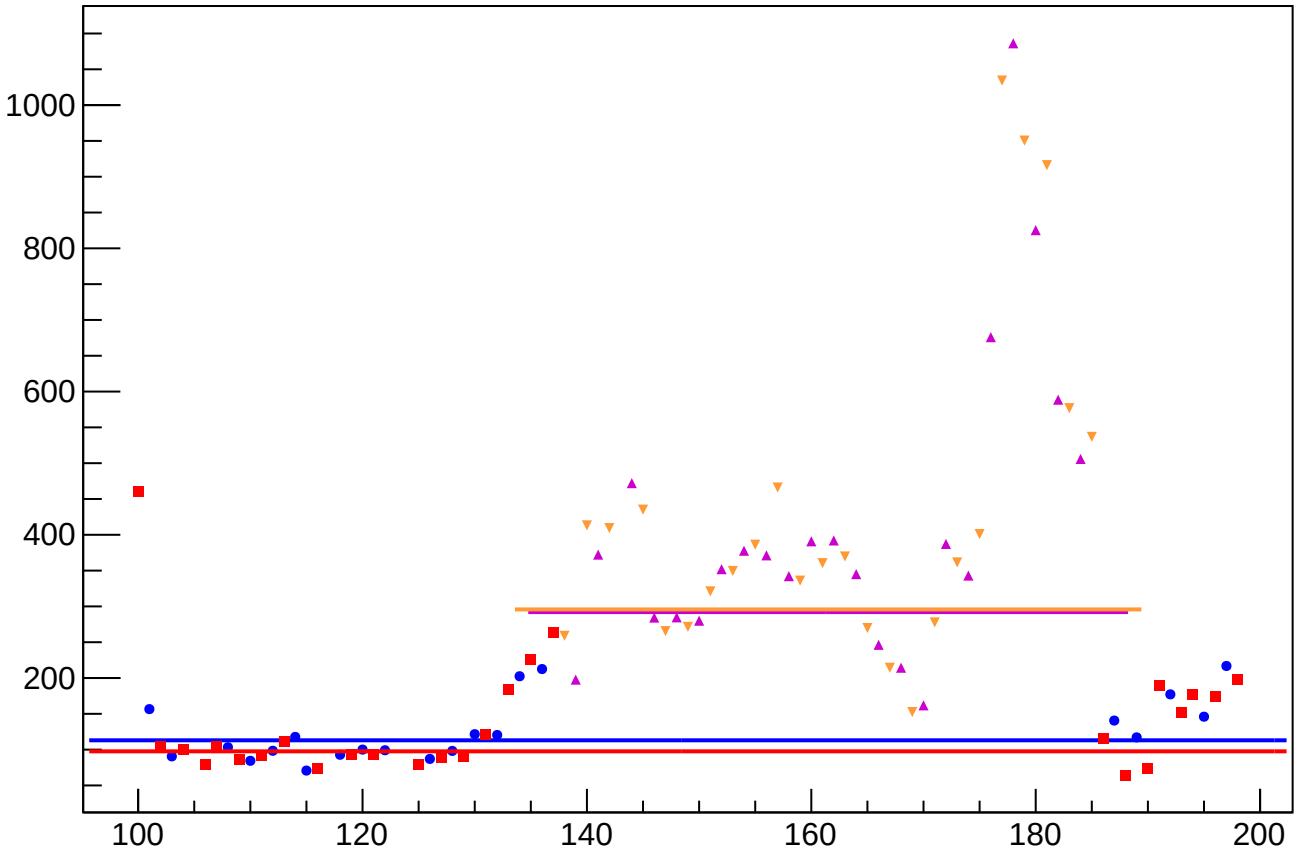
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.011+/-0.024 χ^2/NDF: 47.4/46

In: 0.060+/-0.033 χ^2/NDF:39.0/43

Out: -0.014+/-0.028 χ^2/NDF:61.5/49

All: 0.017+/-0.022 χ^2/NDF: 103.3/93



Right In: 113.027+/-0.026 χ^2/NDF: 1787630.9/20

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 97.624+/-0.022 χ^2/NDF: 2893629.4/25

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

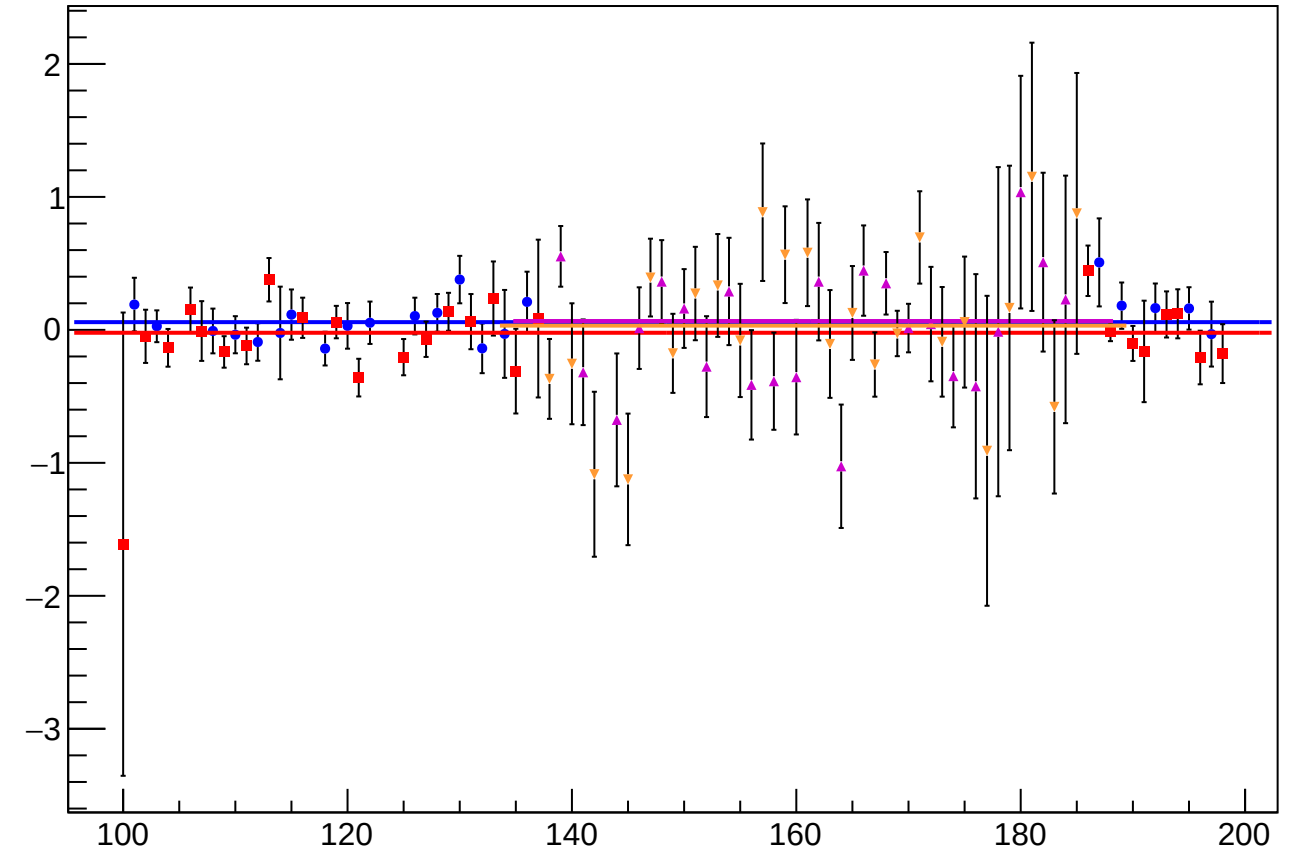
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 103.836+/-0.017 χ^2/NDF: 4885522.4/46

In: 148.641+/-0.024 χ^2/NDF:16045900.6/43

Out: 125.278+/-0.020 χ^2/NDF:20094207.9/49

All: 135.105+/-0.015 χ^2/NDF: 36709724.2/93



Right In: 0.058+/-0.037 χ^2/NDF: 13.3/20

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.022+/-0.031 χ^2/NDF: 31.3/25

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

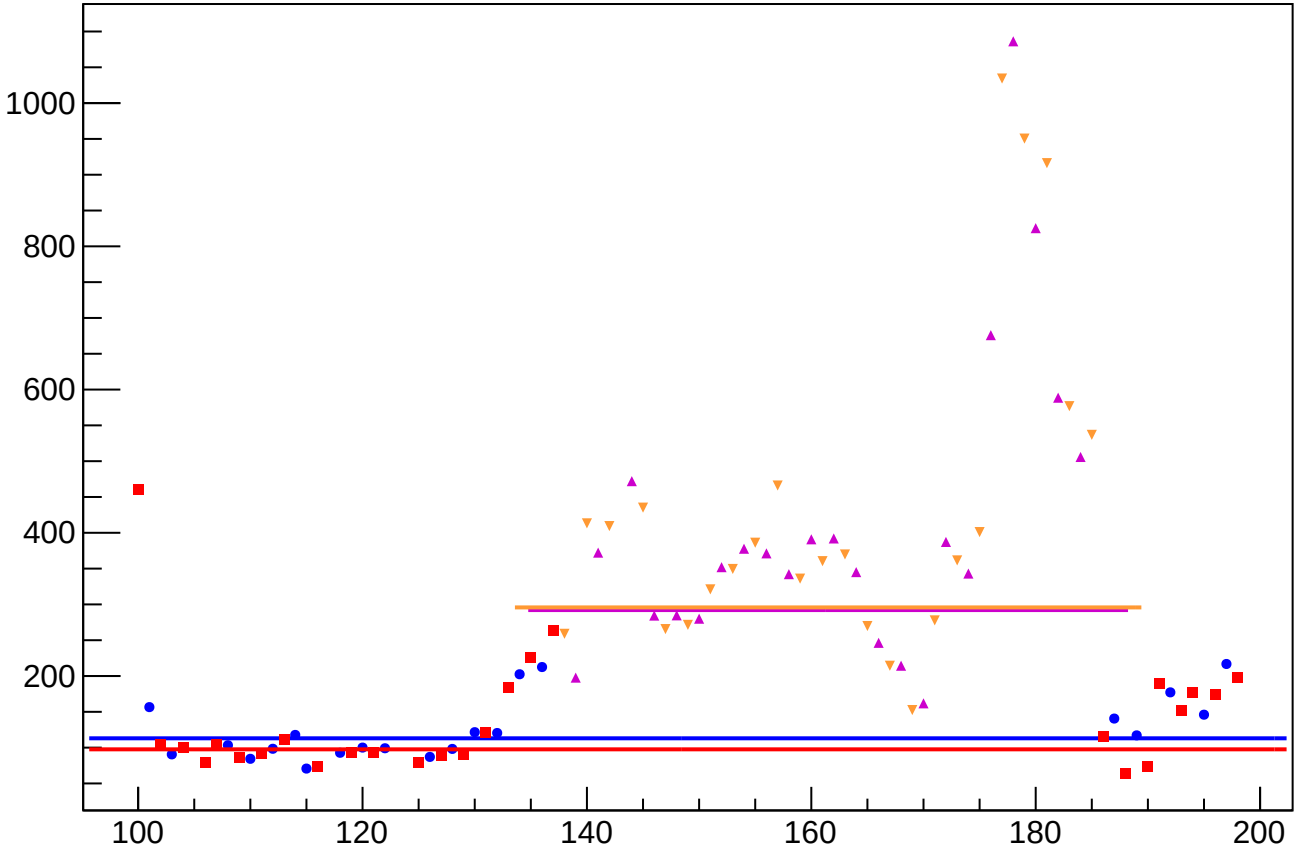
Right: 0.011+/-0.024 χ^2/NDF: 47.4/46

In: 0.060+/-0.033 χ^2/NDF:39.0/43

Out: -0.014+/-0.028 χ^2/NDF:61.5/49

All: 0.017+/-0.022 χ^2/NDF: 103.3/93

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 113.027+/-0.026 χ^2/NDF: 1787630.9/20

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 97.624+/-0.022 χ^2/NDF: 2893629.4/25

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

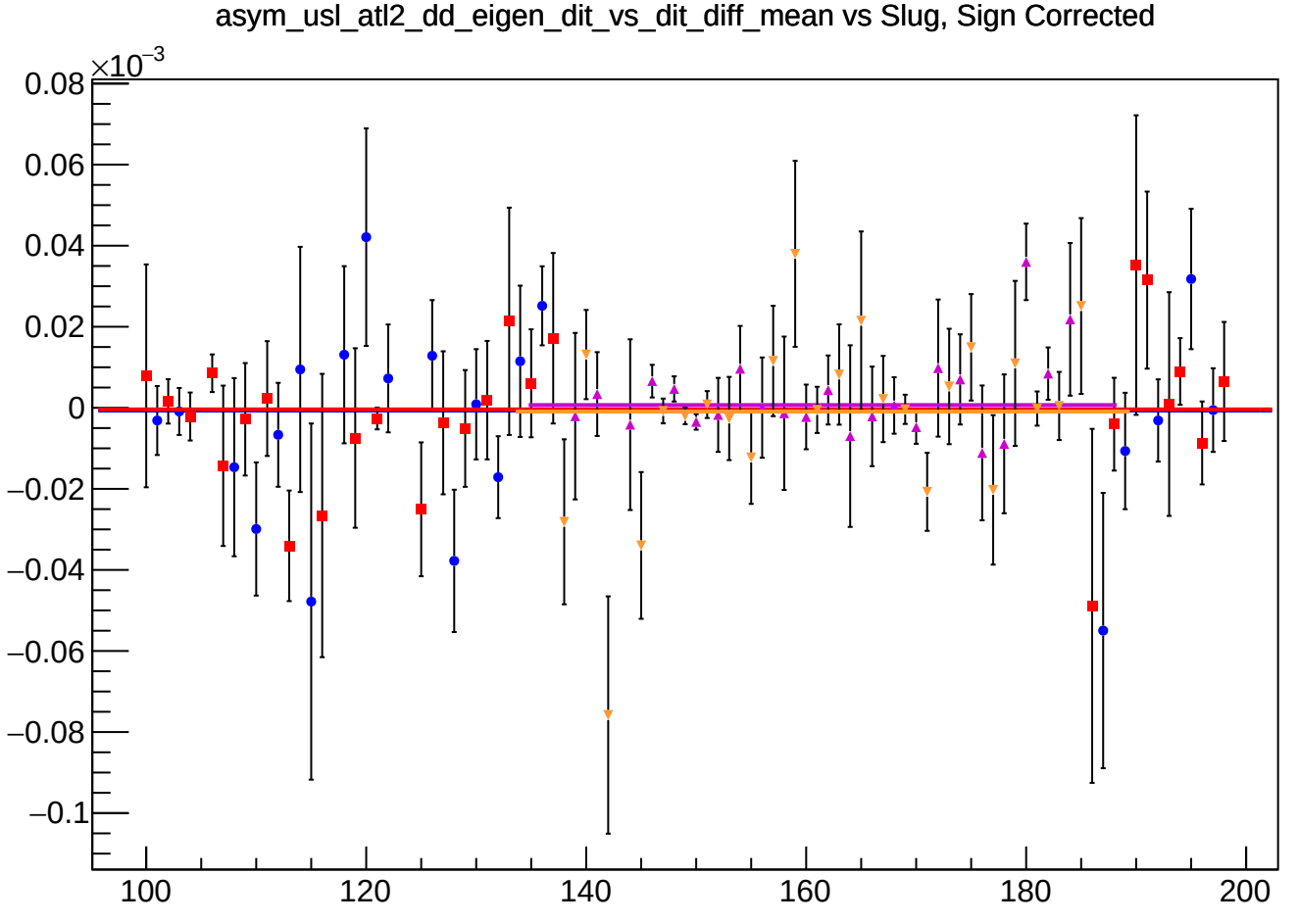
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 103.836+/-0.017 χ^2/NDF: 4885522.4/46

In: 148.641+/-0.024 χ^2/NDF:16045900.6/43

Out: 125.278+/-0.020 χ^2/NDF:20094207.9/49

All: 135.105+/-0.015 χ^2/NDF: 36709724.2/93



Right In: -0.000+/-0.000 χ^2/NDF: 30.6/20

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/25

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

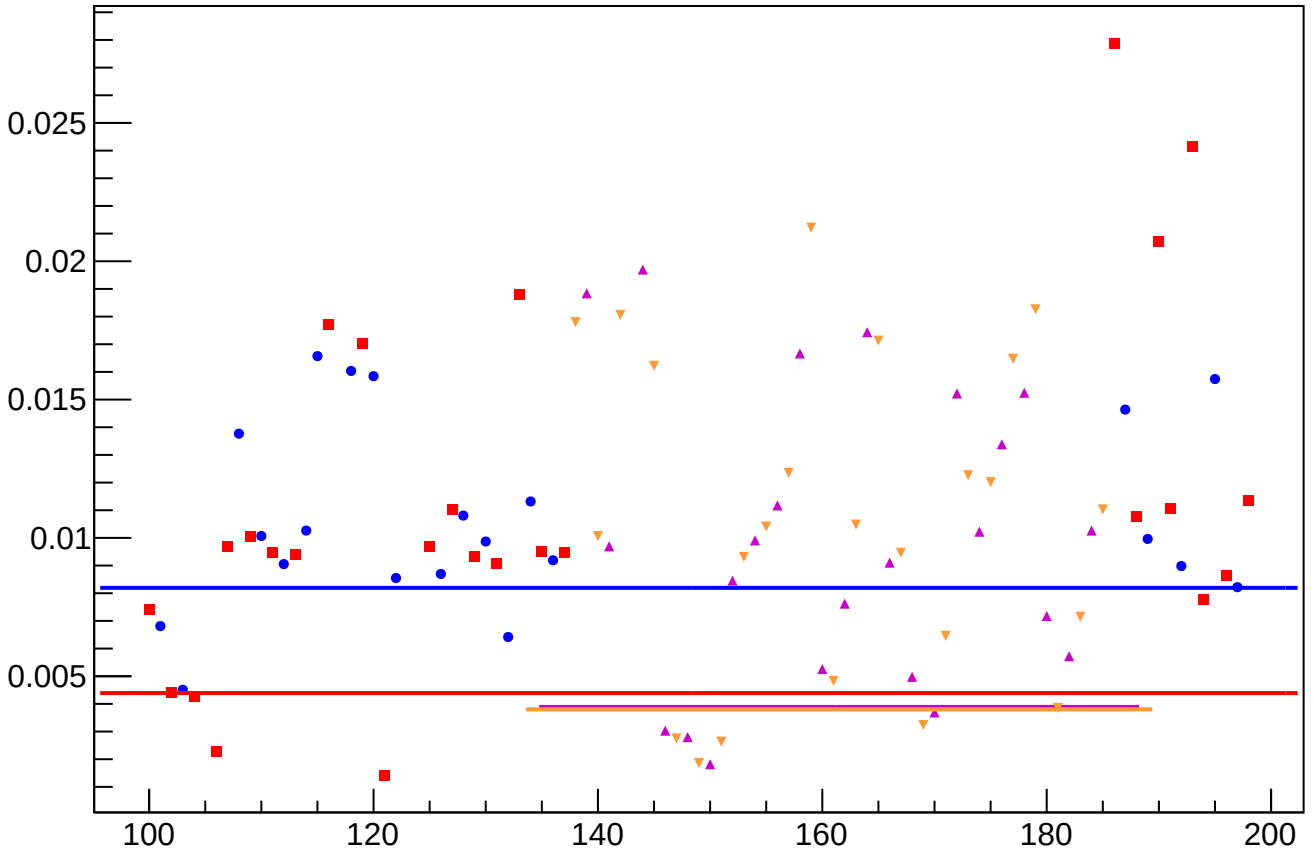
Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

Right: -0.000+/-0.000 χ^2/NDF: 53.1/46

In: 0.000+/-0.000 χ^2/NDF:60.6/43

Out: -0.000+/-0.000 χ^2/NDF:51.6/49

All: -0.000+/-0.000 χ^2/NDF: 112.9/93



Right In: 0.008+/-0.000 χ^2/NDF: 2239008.0/20

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.004+/-0.000 χ^2/NDF: 10668254.7/25

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

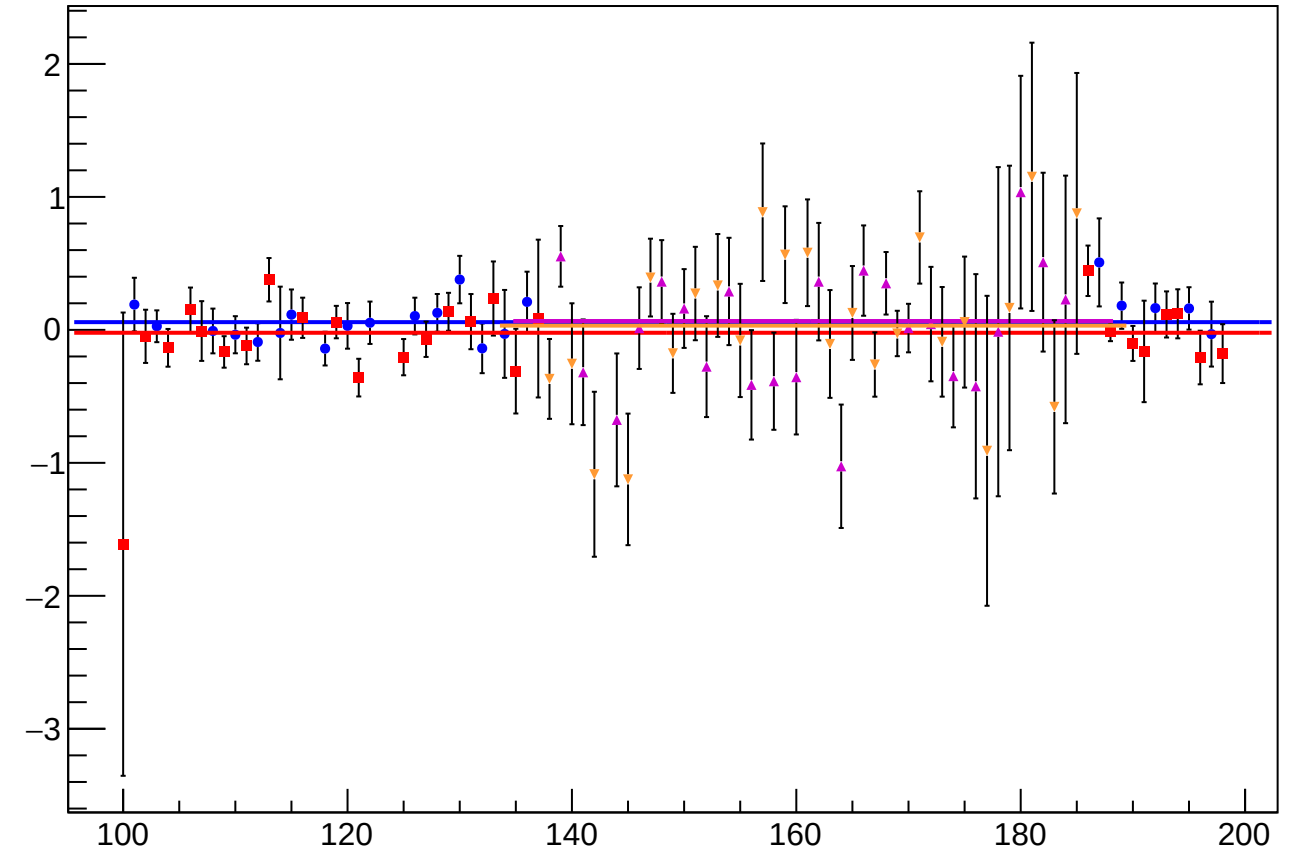
Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

Right: 0.005+/-0.000 χ^2/NDF: 15642148.9/46

In: 0.005+/-0.000 χ^2/NDF:19819802.7/43

Out: 0.004+/-0.000 χ^2/NDF:25450901.1/49

All: 0.004+/-0.000 χ^2/NDF: 45612174.5/93



Right In: 0.058+/-0.037 χ^2/NDF: 13.3/20

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.022+/-0.031 χ^2/NDF: 31.3/25

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

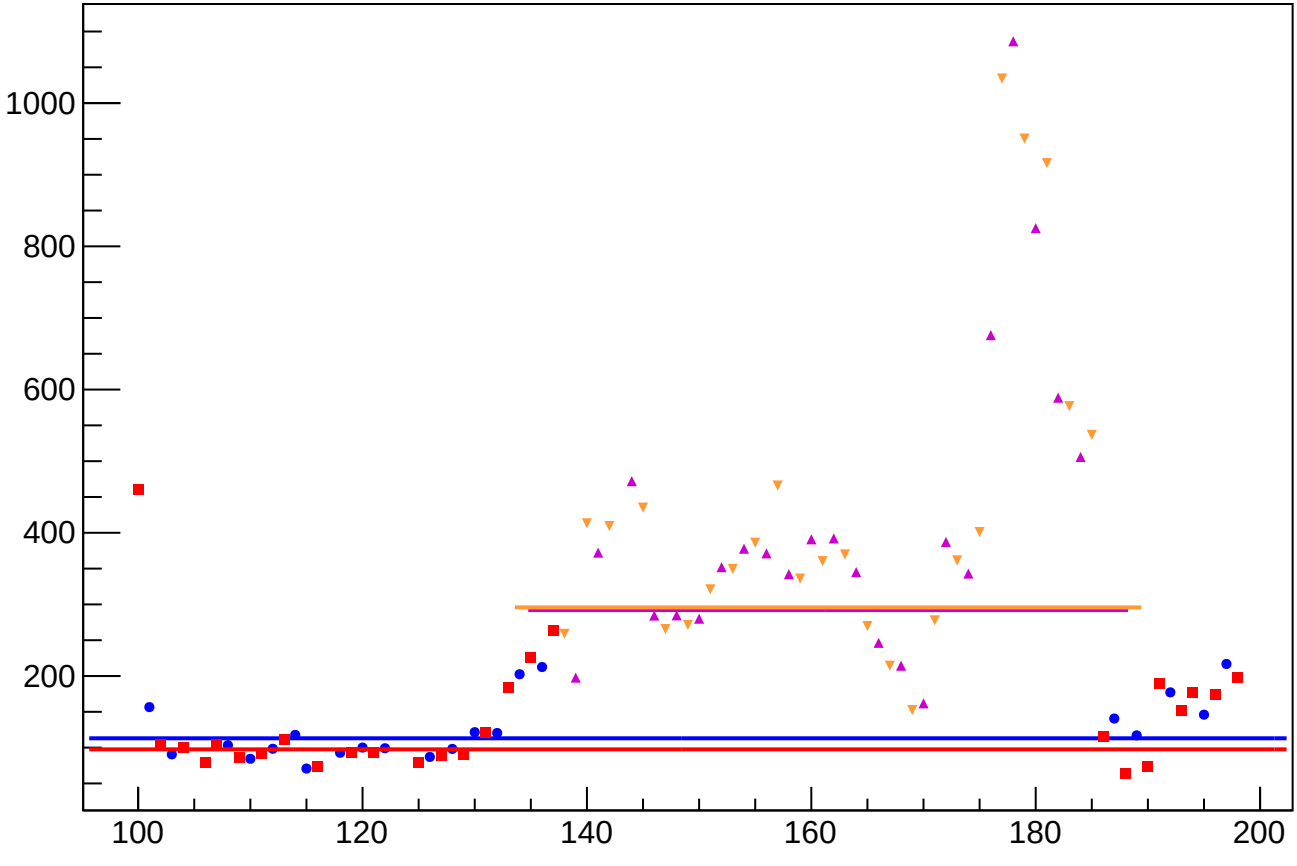
Right: 0.011+/-0.024 χ^2/NDF: 47.4/46

In: 0.060+/-0.033 χ^2/NDF:39.0/43

Out: -0.014+/-0.028 χ^2/NDF:61.5/49

All: 0.017+/-0.022 χ^2/NDF: 103.3/93

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 113.027+/-0.026 χ^2/NDF: 1787581.0/20

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 97.623+/-0.022 χ^2/NDF: 2893745.0/25

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

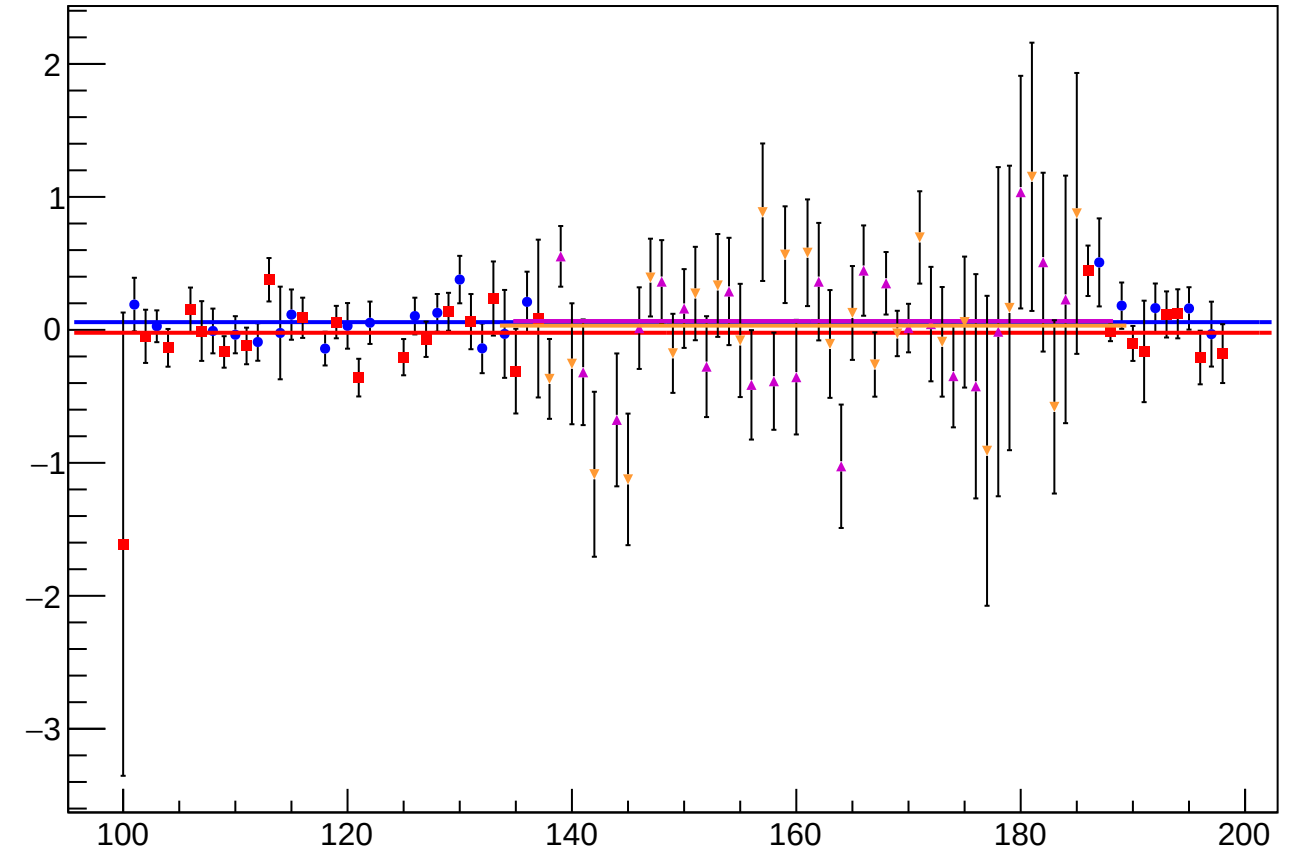
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

Right: 103.835+/-0.017 χ^2/NDF: 4885640.7/46

In: 148.642+/-0.024 χ^2/NDF:16045930.8/43

Out: 125.276+/-0.020 χ^2/NDF:20094672.2/49

All: 135.104+/-0.015 χ^2/NDF: 36710342.4/93



Right In: 0.058+/-0.037 χ^2/NDF: 13.3/20

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.022+/-0.031 χ^2/NDF: 31.3/25

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

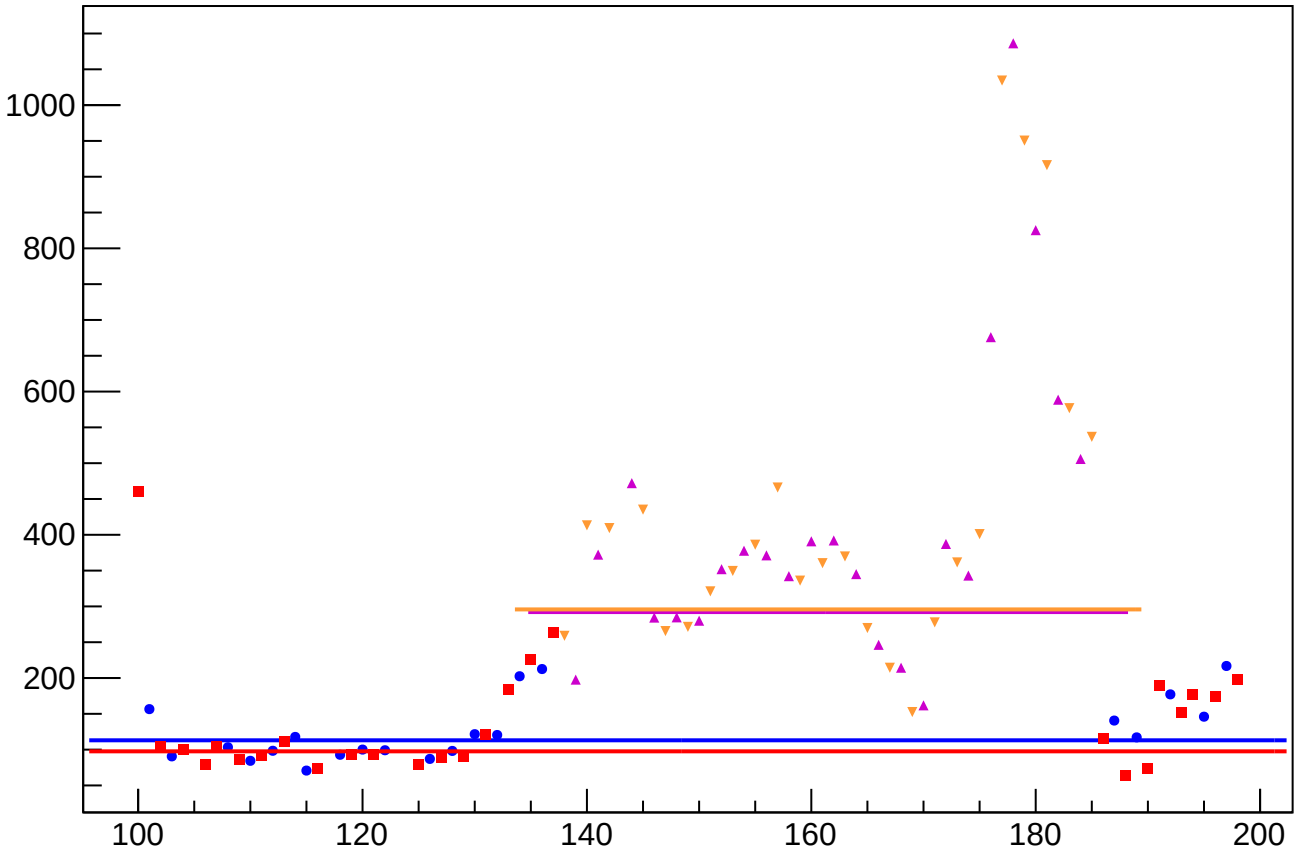
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.011+/-0.024 χ^2/NDF: 47.4/46

In: 0.060+/-0.033 χ^2/NDF:39.0/43

Out: -0.014+/-0.028 χ^2/NDF:61.5/49

All: 0.017+/-0.022 χ^2/NDF: 103.3/93



Right In: 113.027+/-0.026 χ^2/NDF: 1787581.0/20

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 97.623+/-0.022 χ^2/NDF: 2893745.0/25

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

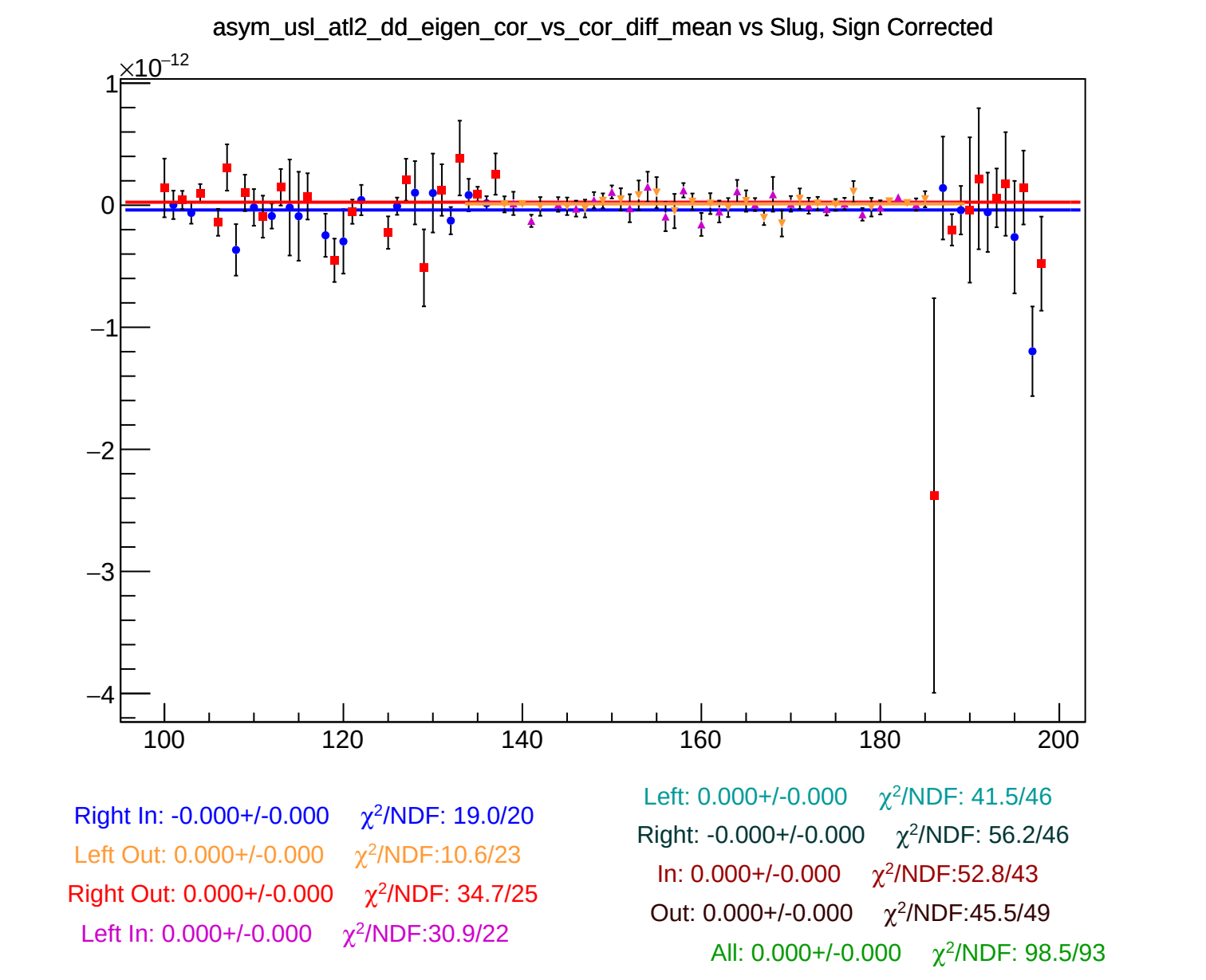
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

Right: 103.835+/-0.017 χ^2/NDF: 4885640.7/46

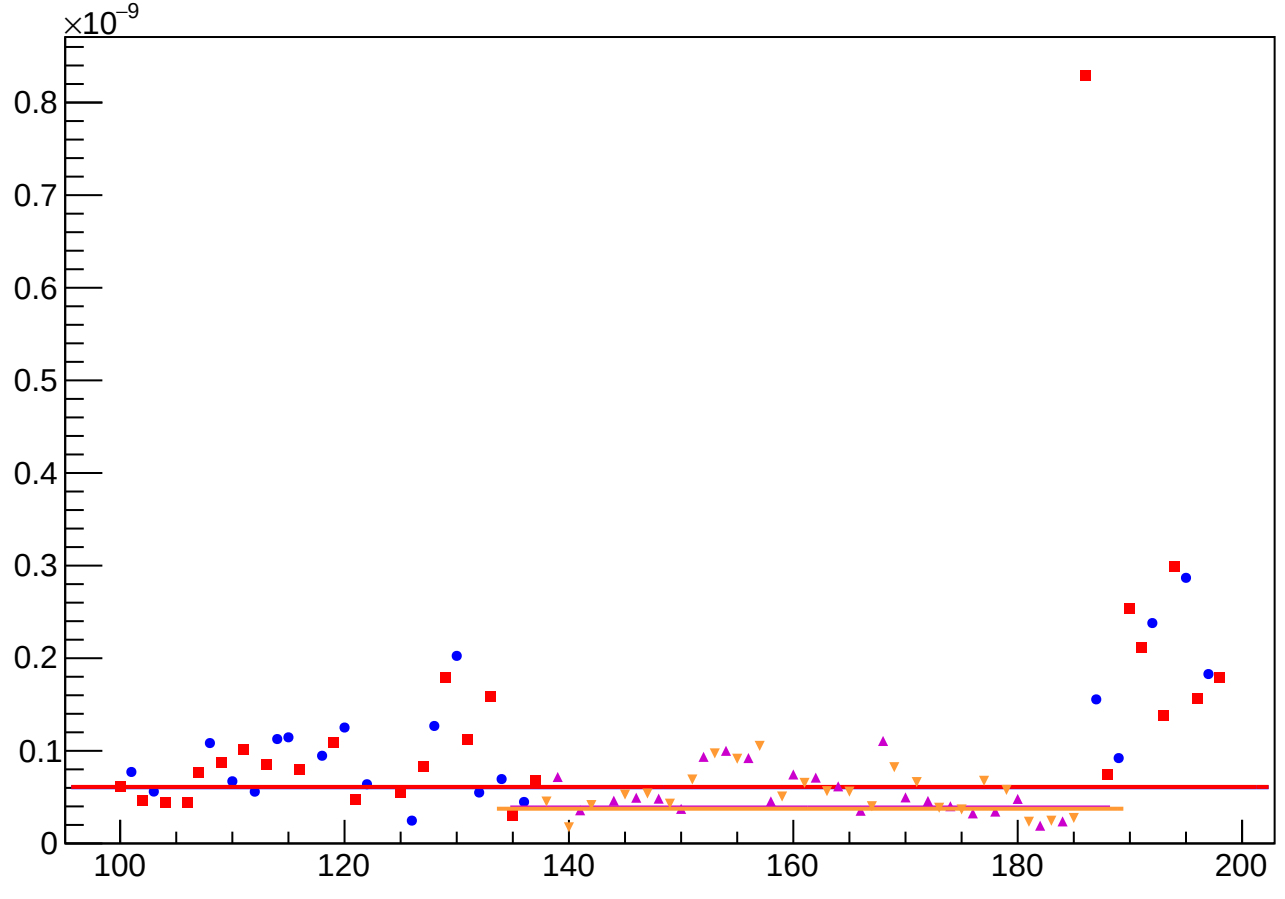
In: 148.642+/-0.024 χ^2/NDF:16045930.8/43

Out: 125.276+/-0.020 χ^2/NDF:20094672.2/49

All: 135.104+/-0.015 χ^2/NDF: 36710342.4/93


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: 19.0/20
Left Out: 0.000+/-0.000 χ²/NDF:10.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 34.7/25
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: 56.2/46
In: 0.000+/-0.000 χ²/NDF:52.8/43
Out: 0.000+/-0.000 χ²/NDF:45.5/49
All: 0.000+/-0.000 χ²/NDF: 98.5/93

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3076936.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3877274.4/25

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

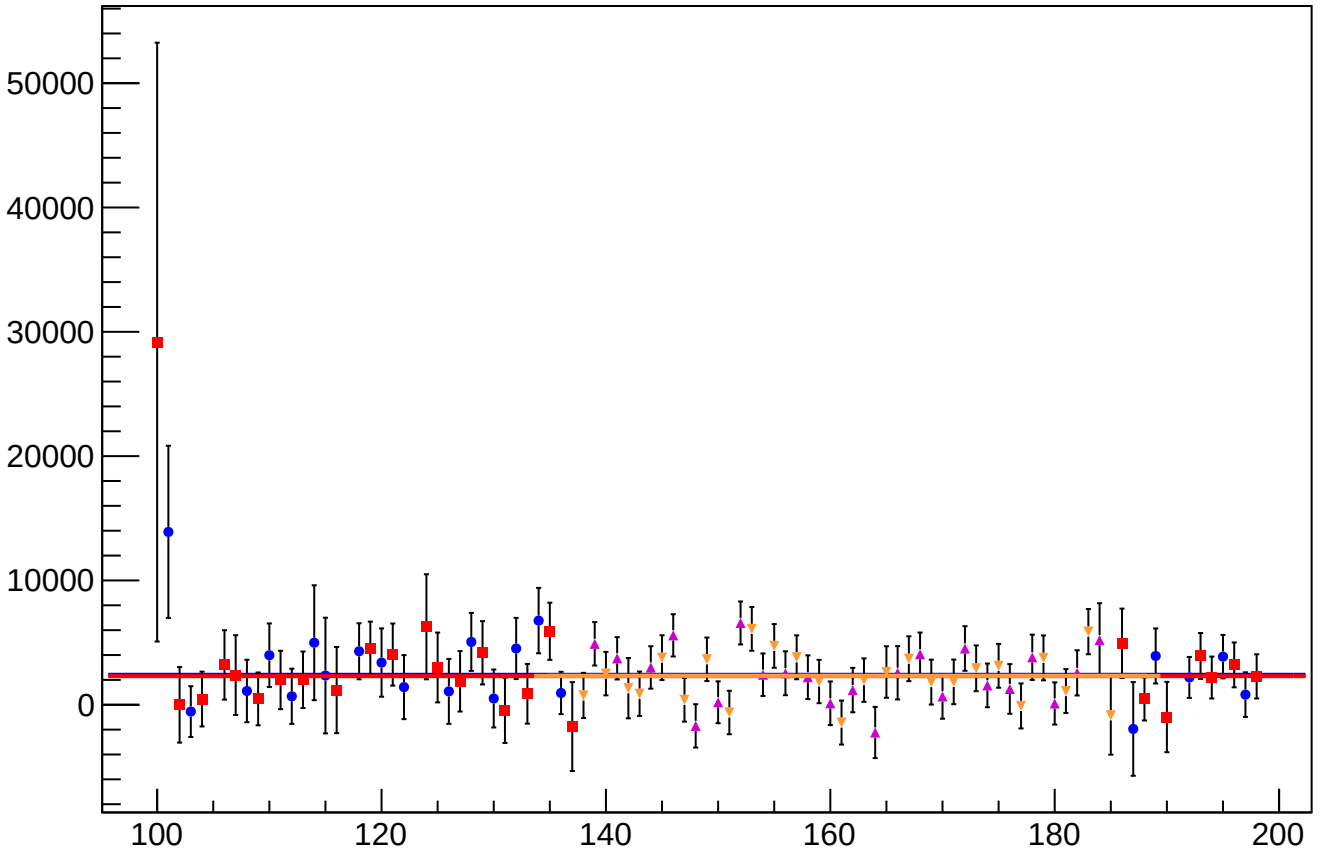
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 6954386.9/46

In: 0.000+/-0.000 χ^2/NDF:8626378.7/43

Out: 0.000+/-0.000 χ^2/NDF:10090370.8/49

All: 0.000+/-0.000 χ^2/NDF: 18722987.8/93



Right In: 2412.543+/-513.113 χ^2/NDF: 17.2/20

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: 2300.018+/-468.804 χ^2/NDF: 16.2/25

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

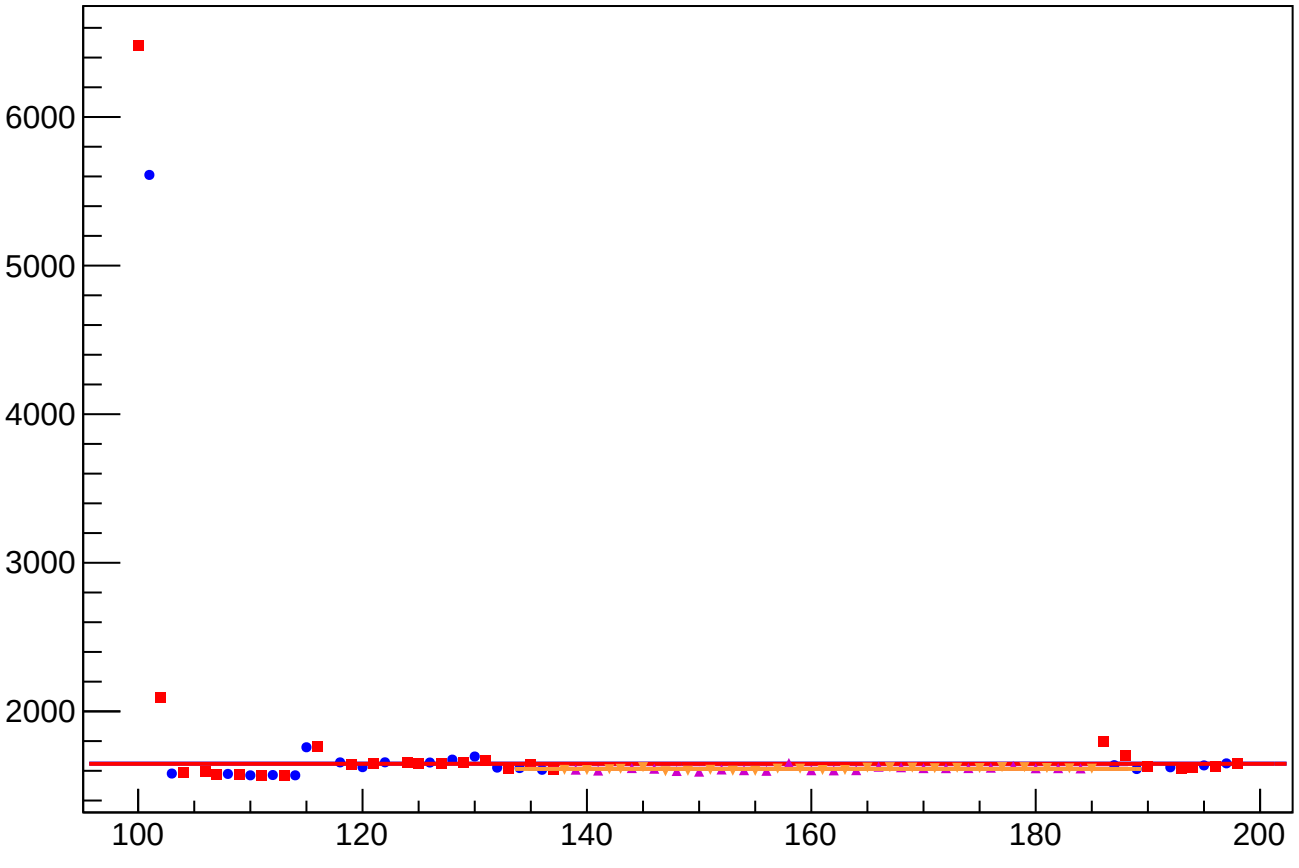
Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

Right: 2351.213+/-346.101 χ^2/NDF: 33.4/46

In: 2385.313+/-303.706 χ^2/NDF:50.9/43

Out: 2313.088+/-288.640 χ^2/NDF:43.7/50

All: 2347.365+/-209.223 χ^2/NDF: 94.7/94



Right In: 1648.455+/-0.363 χ^2/NDF: 667673.5/20

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1647.139+/-0.331 χ^2/NDF: 145836.3/25

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

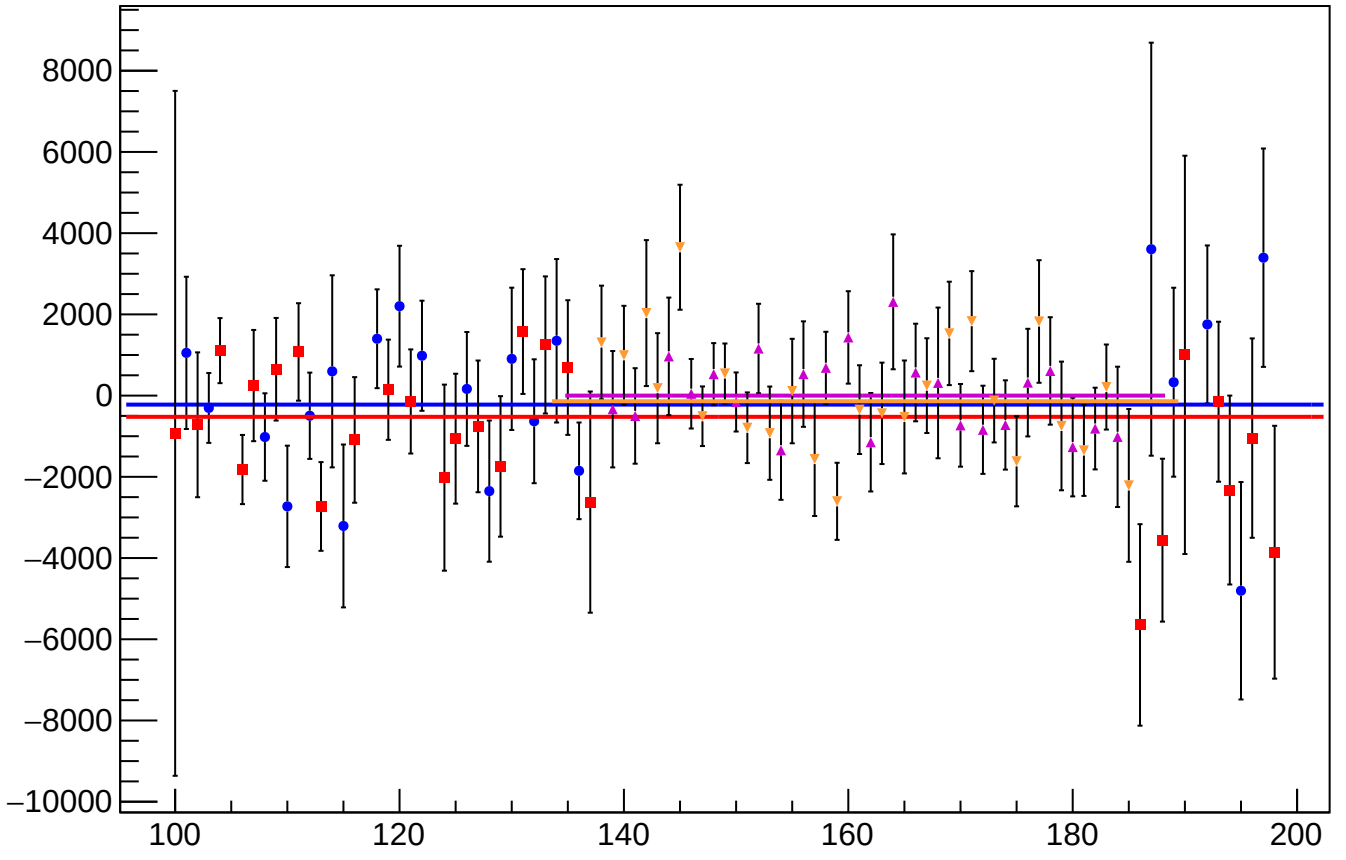
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

Right: 1647.738+/-0.245 χ^2/NDF: 813517.0/46

In: 1625.936+/-0.215 χ^2/NDF:675957.3/43

Out: 1625.698+/-0.204 χ^2/NDF:153746.7/50

All: 1625.811+/-0.148 χ^2/NDF: 829704.6/94



Right In: -221.779+/-328.904 χ^2/NDF: 22.4/20

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: -522.450+/-296.524 χ^2/NDF: 27.7/25

Left In: -0.092+/-231.903 χ^2/NDF:12.9/22

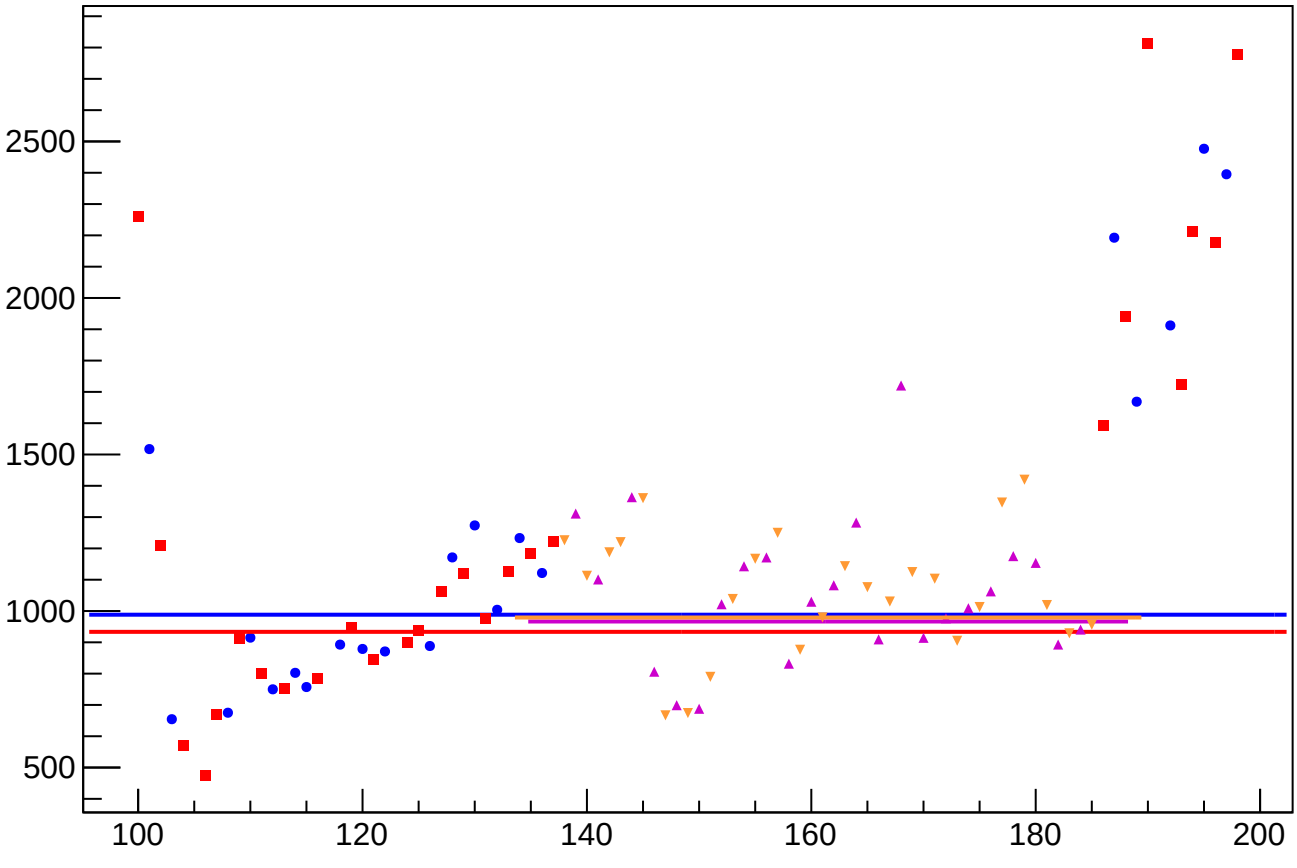
Left: -70.394+/-162.990 χ^2/NDF: 43.2/47

Right: -387.639+/-220.234 χ^2/NDF: 50.5/46

In: -73.705+/-189.529 χ^2/NDF:35.6/43

Out: -282.369+/-181.306 χ^2/NDF:58.9/50

All: -182.662+/-131.013 χ^2/NDF: 95.1/94



Right In: 988.229+/-0.233 χ^2/NDF: 2852873.7/20

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 933.479+/-0.210 χ^2/NDF: 4483675.6/25

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

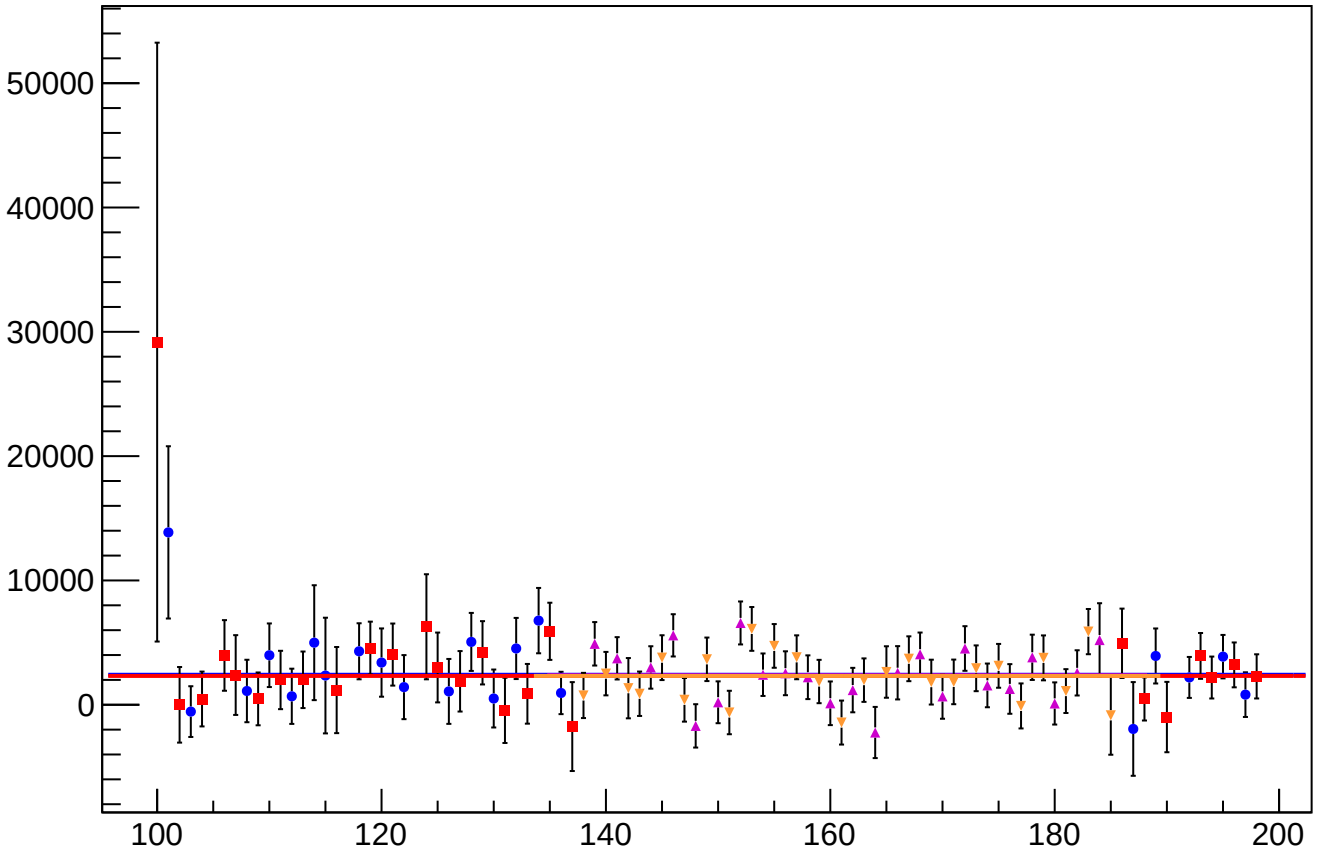
Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

Right: 958.027+/-0.156 χ^2/NDF: 7367119.8/46

In: 973.733+/-0.134 χ^2/NDF:4461286.5/43

Out: 962.166+/-0.128 χ^2/NDF:6144193.9/50

All: 967.693+/-0.093 χ^2/NDF: 10609369.7/94



Right In: 2412.204+/-513.113 χ^2/NDF: 17.1/20

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2320.100+/-469.032 χ^2/NDF: 16.5/25

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

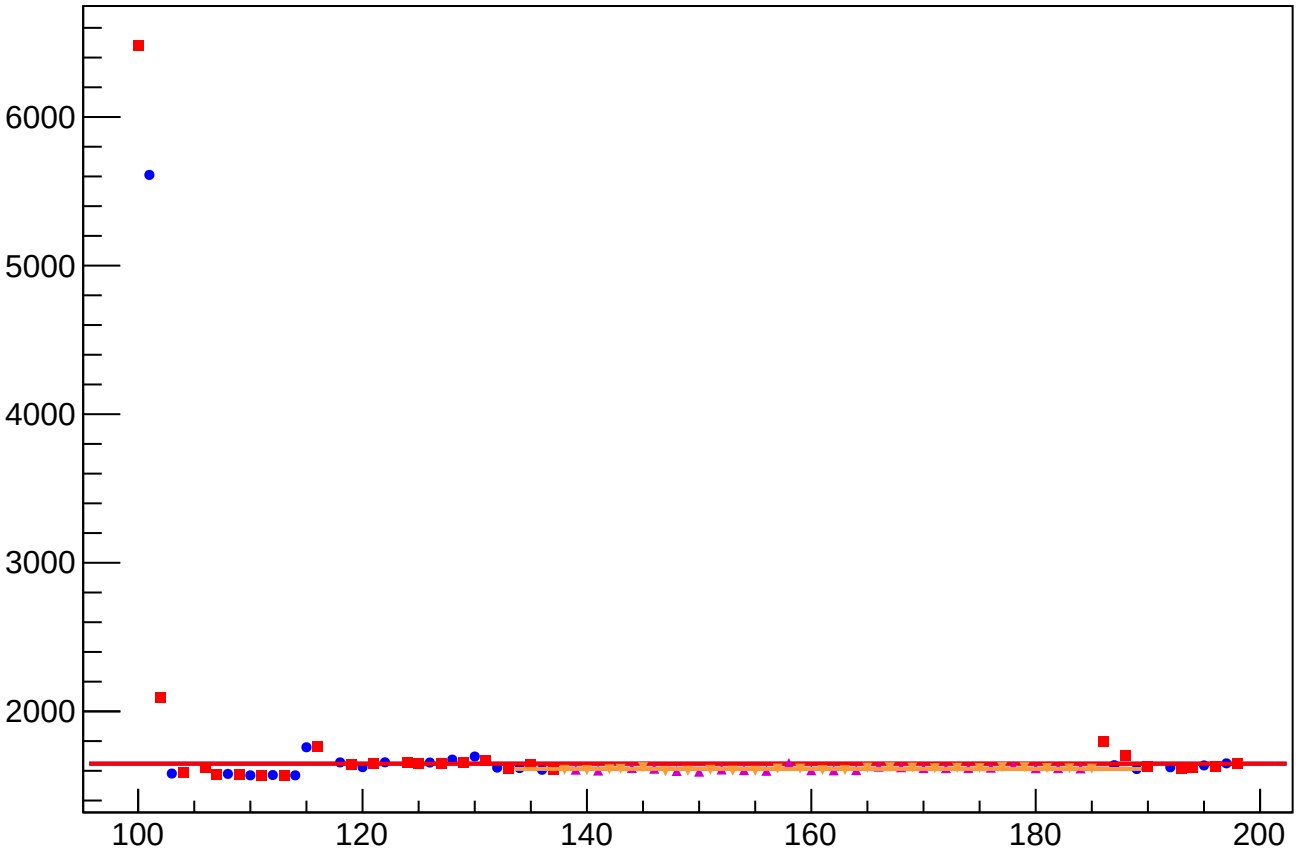
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2362.026+/-346.193 χ^2/NDF: 33.6/46

In: 2385.240+/-303.706 χ^2/NDF:50.9/43

Out: 2320.674+/-288.693 χ^2/NDF:44.0/50

All: 2351.322+/-209.243 χ^2/NDF: 94.9/94



Right In: 1648.455+/-0.363 χ^2/NDF: 667673.0/20

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1647.914+/-0.332 χ^2/NDF: 145273.1/25

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

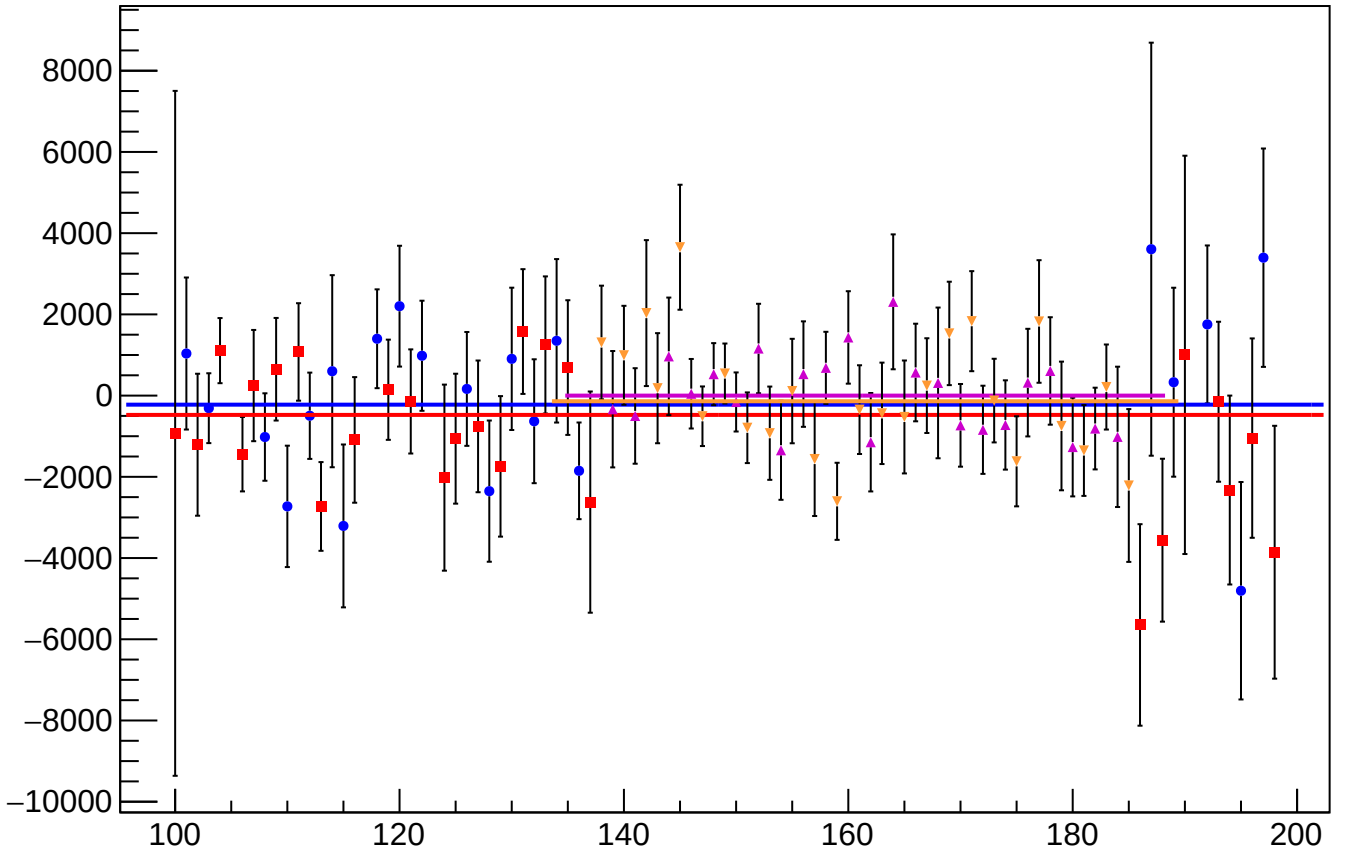
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1648.160+/-0.245 χ^2/NDF: 812947.4/46

In: 1625.936+/-0.215 χ^2/NDF:675956.8/43

Out: 1625.983+/-0.204 χ^2/NDF:153484.9/50

All: 1625.961+/-0.148 χ^2/NDF: 829441.7/94



Right In: -223.022+/-328.864 χ^2/NDF: 22.4/20

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -475.319+/-298.878 χ^2/NDF: 26.5/25

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

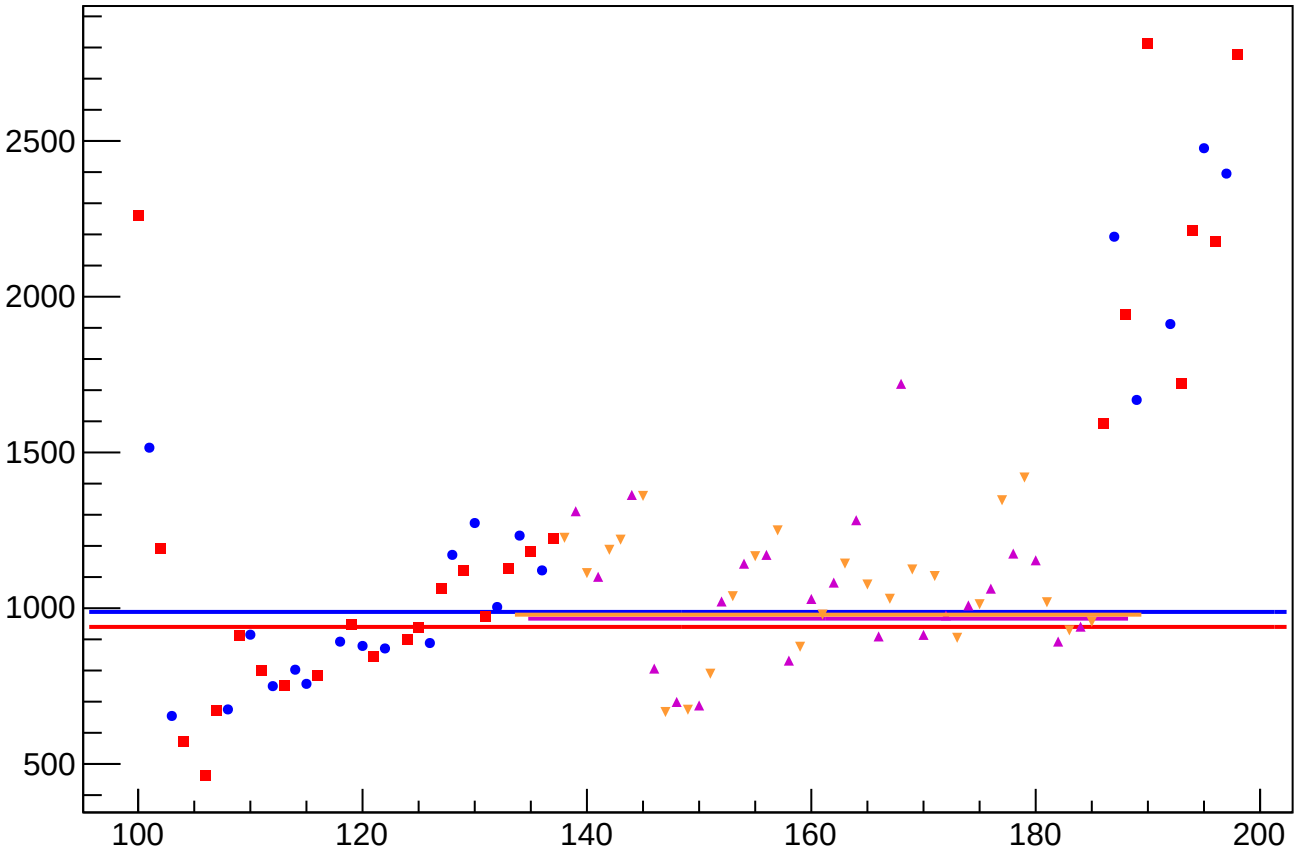
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -361.195+/-221.182 χ^2/NDF: 49.2/46

In: -74.114+/-189.522 χ^2/NDF:35.6/43

Out: -263.538+/-181.840 χ^2/NDF:57.4/50

All: -172.743+/-131.212 χ^2/NDF: 93.5/94



Right In: 988.113+/-0.233 χ^2/NDF: 2853023.9/20

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 939.945+/-0.211 χ^2/NDF: 4421838.8/25

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

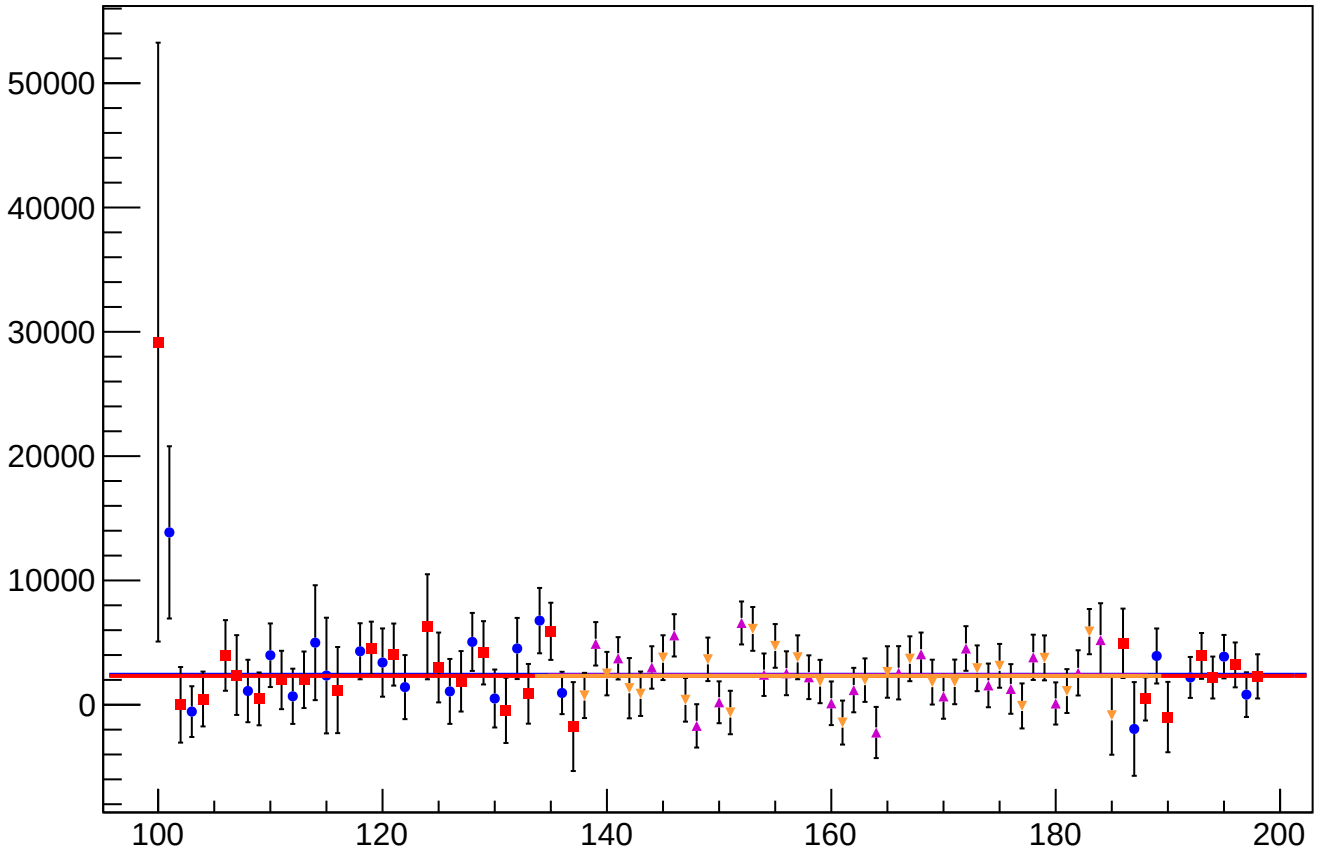
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 961.734+/-0.156 χ^2/NDF: 7298360.6/46

In: 973.699+/-0.134 χ^2/NDF:4461338.9/43

Out: 964.725+/-0.129 χ^2/NDF:6074397.8/50

All: 969.027+/-0.093 χ^2/NDF: 10538071.5/94



Right In: 2412.204+/-513.113 χ^2/NDF: 17.1/20

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2320.100+/-469.032 χ^2/NDF: 16.5/25

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

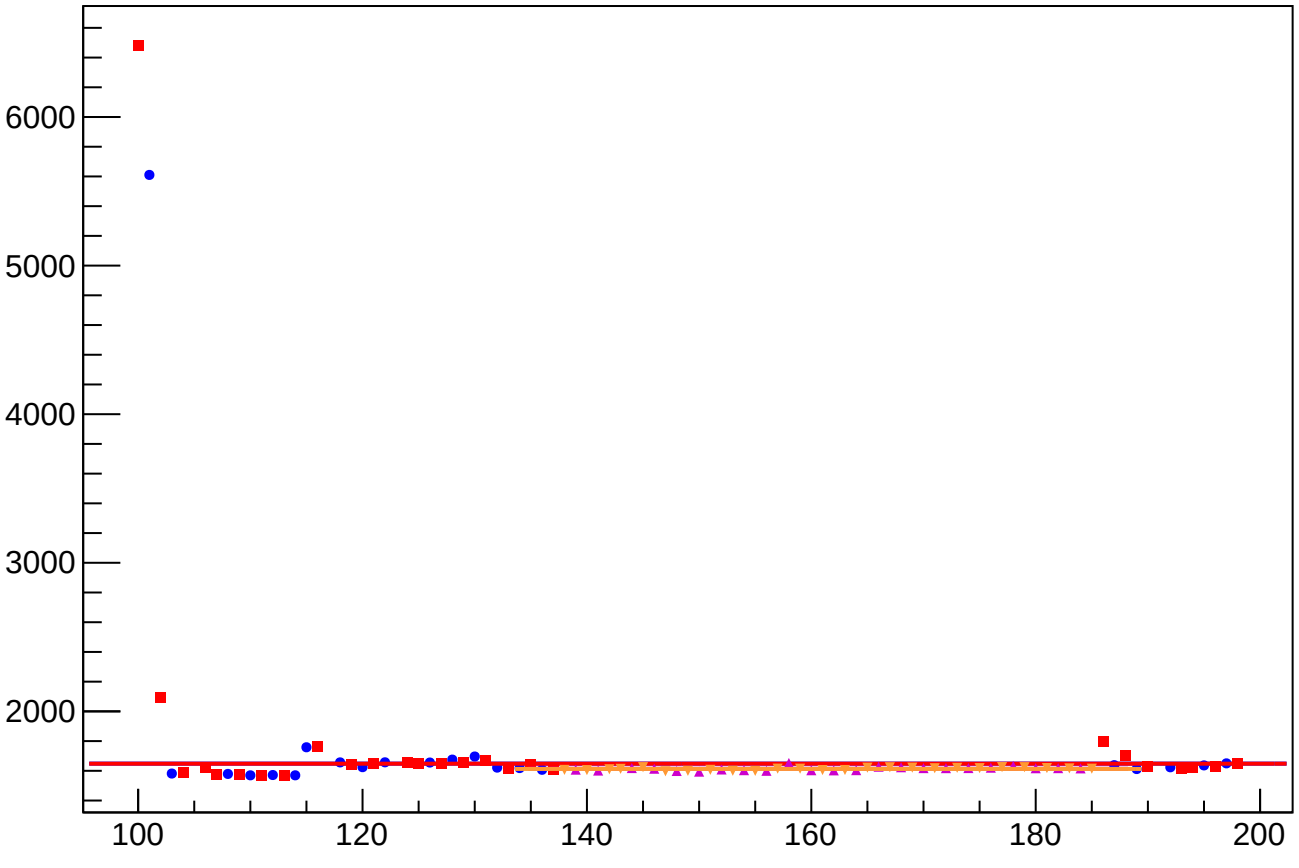
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2362.026+/-346.193 χ^2/NDF: 33.6/46

In: 2385.240+/-303.706 χ^2/NDF:50.9/43

Out: 2320.674+/-288.693 χ^2/NDF:44.0/50

All: 2351.322+/-209.243 χ^2/NDF: 94.9/94



Right In: 1648.455+/-0.363 χ^2/NDF: 667673.0/20

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1647.914+/-0.332 χ^2/NDF: 145273.1/25

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

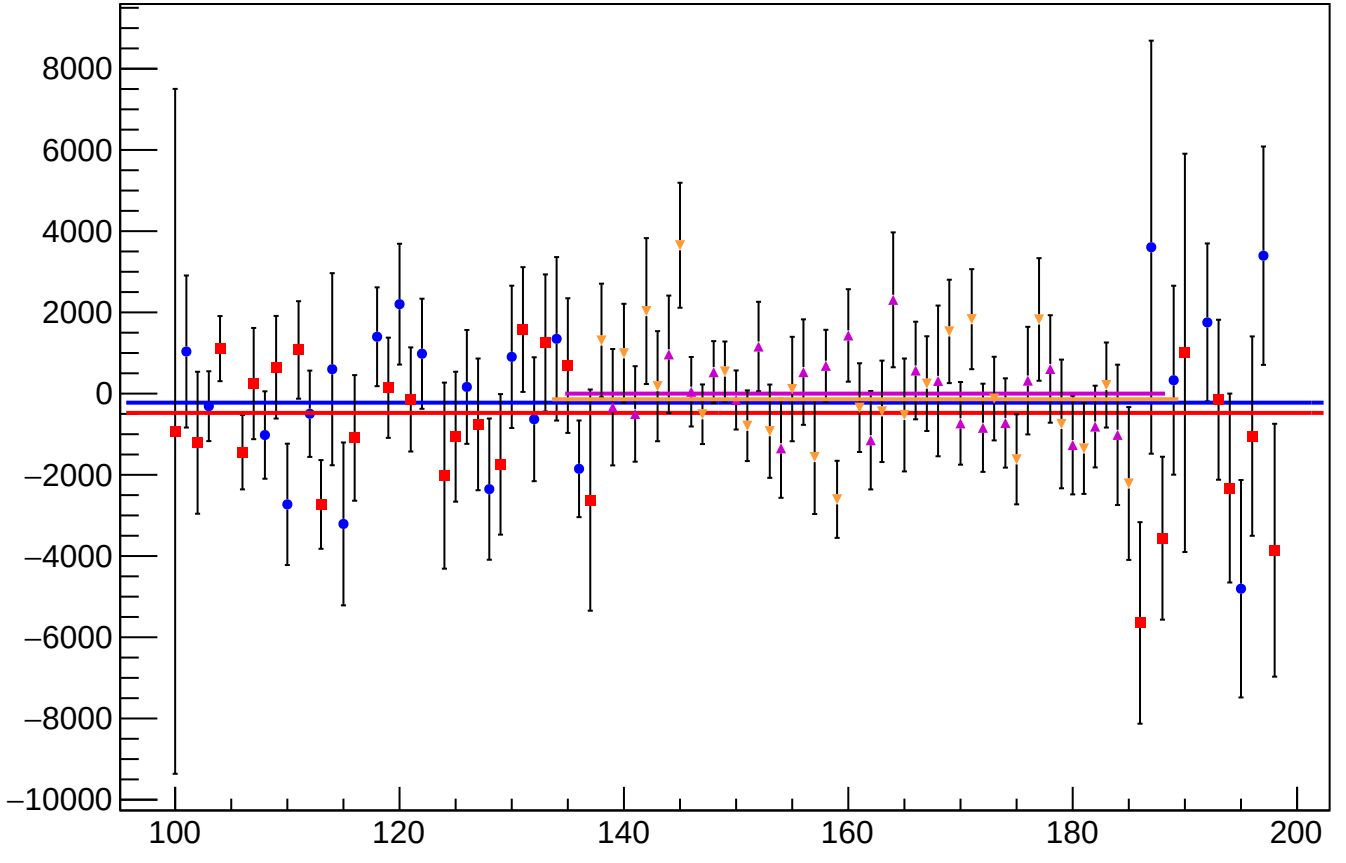
Right: 1648.160+/-0.245 χ^2/NDF: 812947.4/46

In: 1625.936+/-0.215 χ^2/NDF:675956.8/43

Out: 1625.983+/-0.204 χ^2/NDF:153484.9/50

All: 1625.961+/-0.148 χ^2/NDF: 829441.7/94

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -223.022+/-328.864 χ^2/NDF: 22.4/20

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -475.319+/-298.878 χ^2/NDF: 26.5/25

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

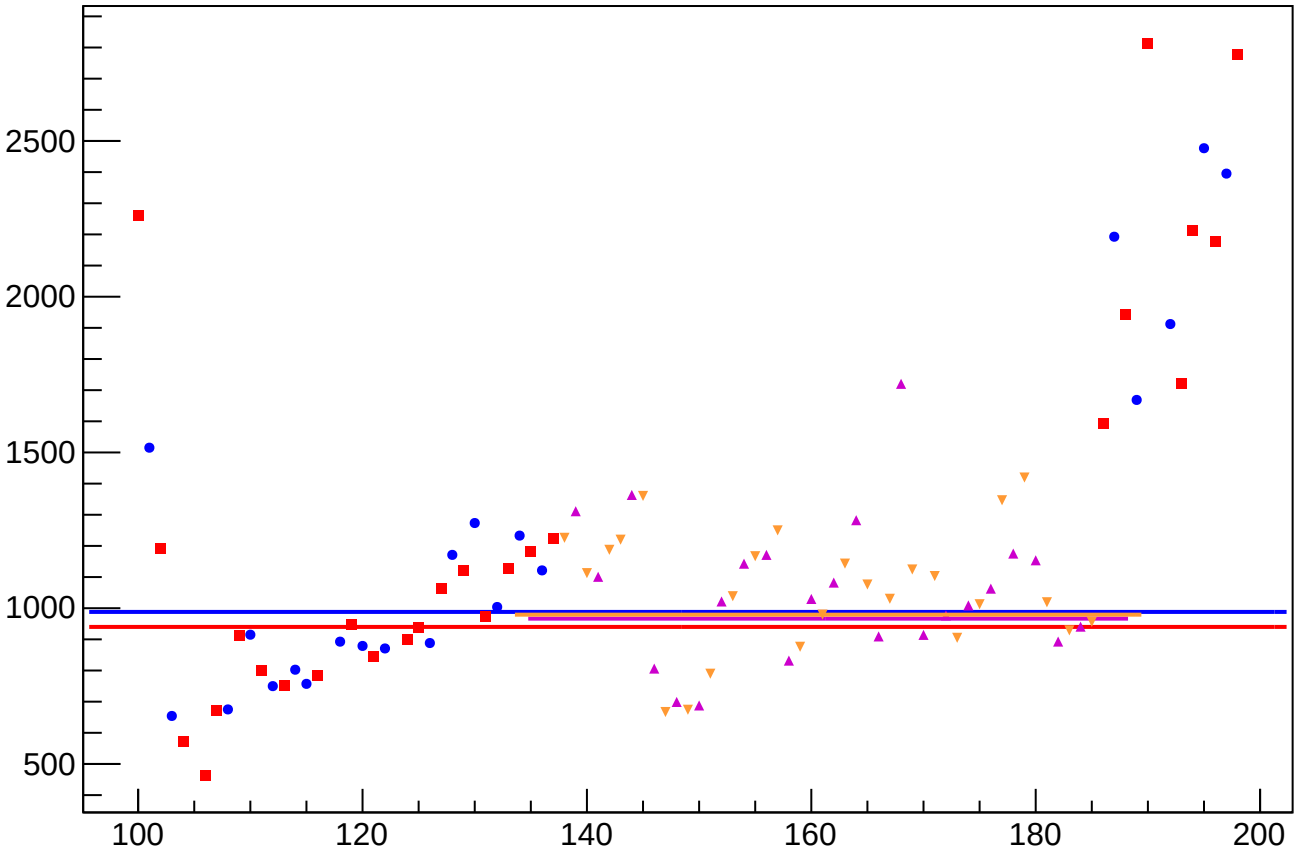
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -361.195+/-221.182 χ^2/NDF: 49.2/46

In: -74.114+/-189.522 χ^2/NDF:35.6/43

Out: -263.538+/-181.840 χ^2/NDF:57.4/50

All: -172.743+/-131.212 χ^2/NDF: 93.5/94



Right In: 988.113+/-0.233 χ^2/NDF: 2853023.9/20

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 939.945+/-0.211 χ^2/NDF: 4421838.8/25

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

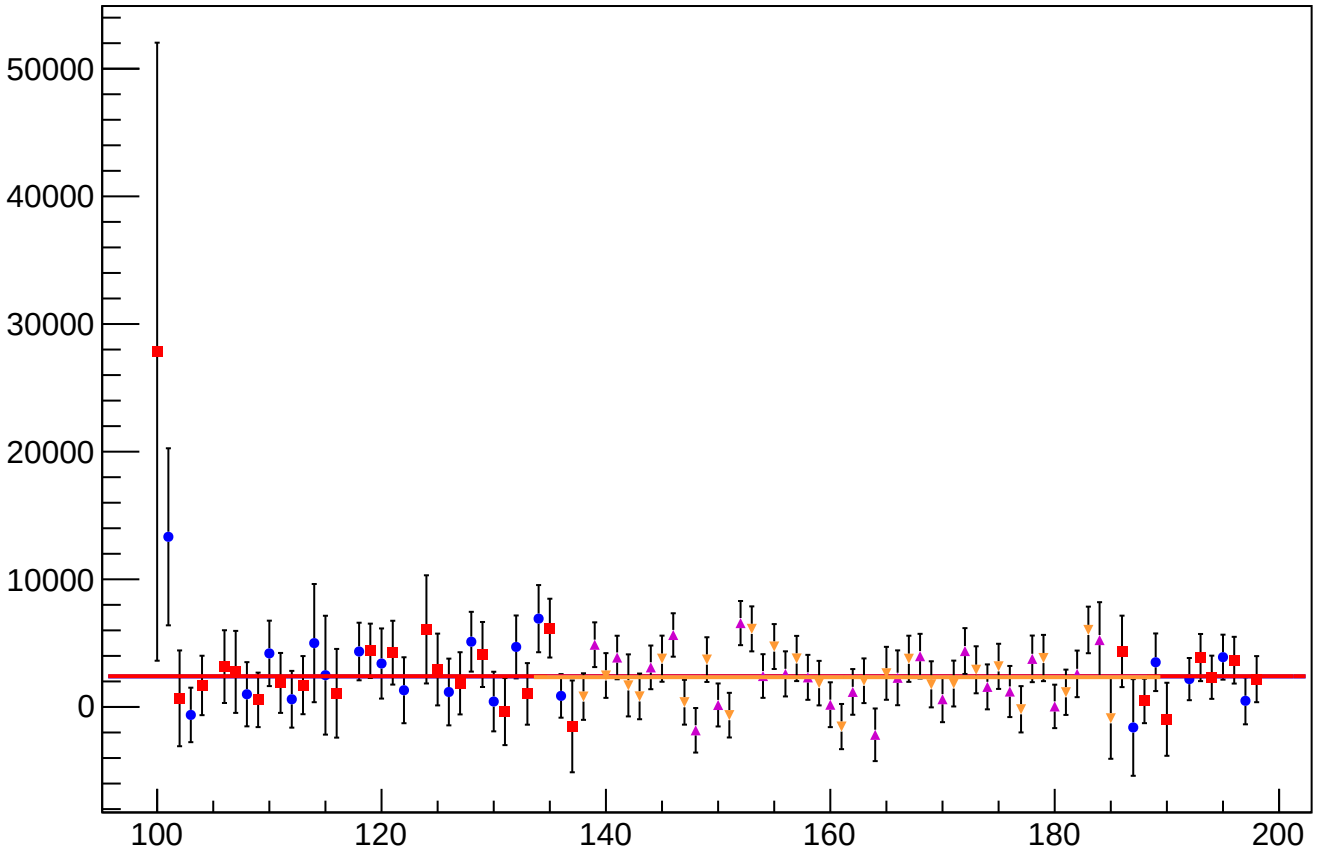
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 961.734+/-0.156 χ^2/NDF: 7298360.6/46

In: 973.699+/-0.134 χ^2/NDF:4461338.9/43

Out: 964.725+/-0.129 χ^2/NDF:6074397.8/50

All: 969.027+/-0.093 χ^2/NDF: 10538071.5/94



Right In: 2390.297+/-517.228 χ^2/NDF: 17.4/20

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: 2410.596+/-474.075 χ^2/NDF: 14.8/25

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

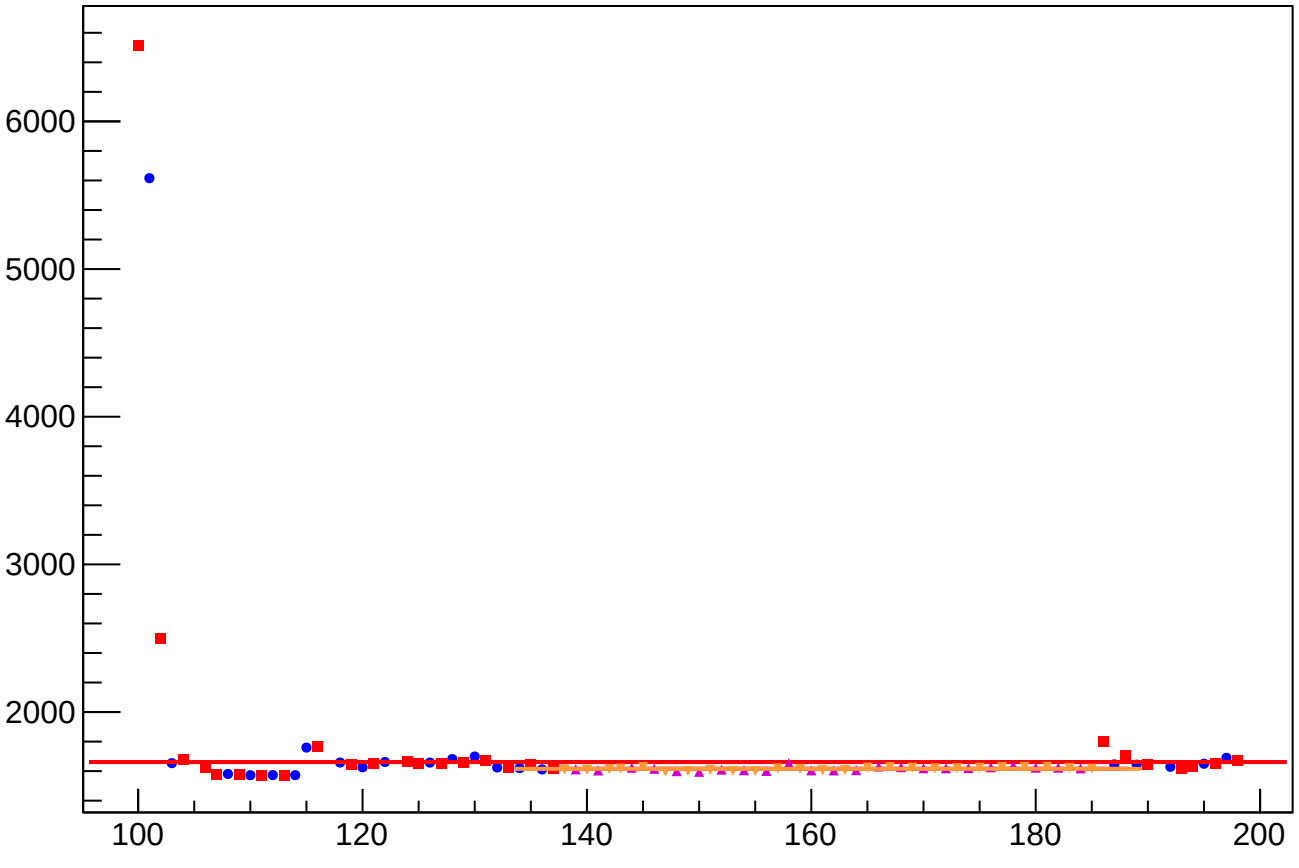
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2401.328+/-349.483 χ^2/NDF: 32.2/46

In: 2370.715+/-304.871 χ^2/NDF:51.4/43

Out: 2363.227+/-290.199 χ^2/NDF:43.1/50

All: 2366.786+/-210.197 χ^2/NDF: 94.5/94



Right In: 1661.591+/-0.366 χ^2/NDF: 664531.3/20

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1661.466+/-0.335 χ^2/NDF: 201550.7/25

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

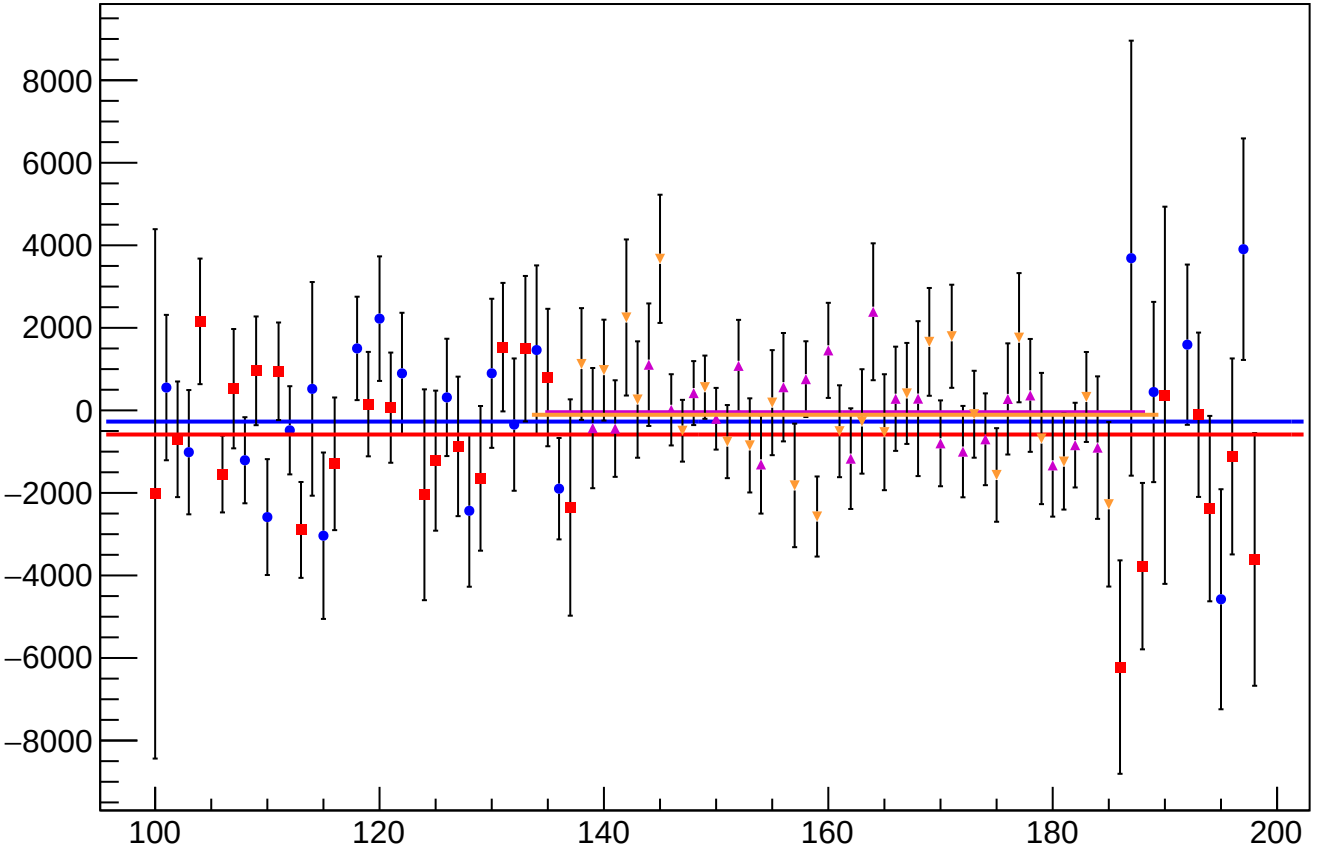
Right: 1661.523+/-0.247 χ^2/NDF: 866082.0/46

In: 1632.075+/-0.216 χ^2/NDF:677069.4/43

Out: 1632.807+/-0.205 χ^2/NDF:214686.7/50

All: 1632.459+/-0.149 χ^2/NDF: 891762.1/94

asym_usr_atr1_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -271.519+/-349.708 χ^2/NDF: 22.4/20

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: -584.851+/-319.489 χ^2/NDF: 27.0/25

Left In: -44.469+/-235.733 χ^2/NDF:12.8/22

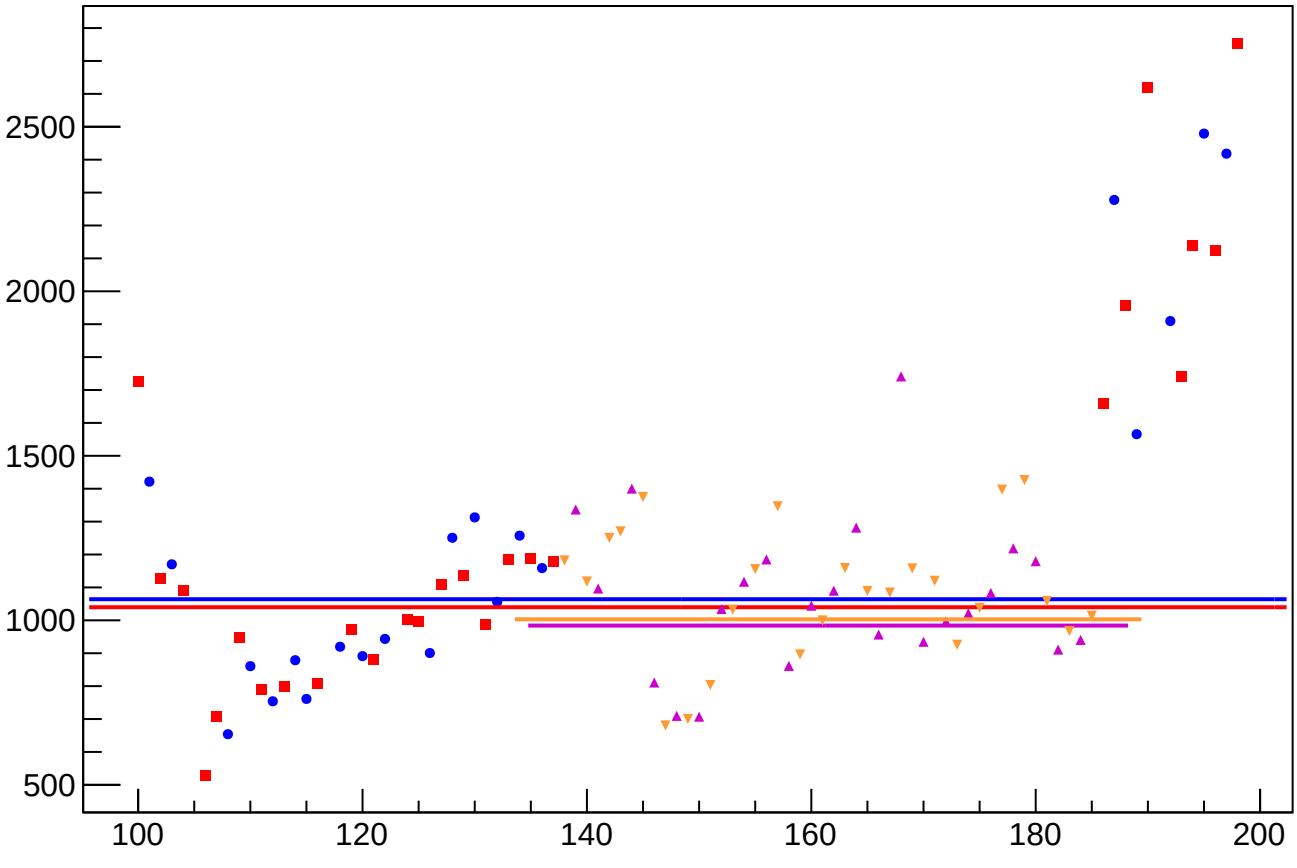
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

Right: -442.306+/-235.874 χ^2/NDF: 49.9/46

In: -115.405+/-195.470 χ^2/NDF:35.5/43

Out: -273.692+/-188.942 χ^2/NDF:57.5/50

All: -197.236+/-135.851 χ^2/NDF: 93.3/94



Right In: 1064.153+/-0.247 χ^2/NDF: 2511472.3/20

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1039.800+/-0.226 χ^2/NDF: 3590135.9/25

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

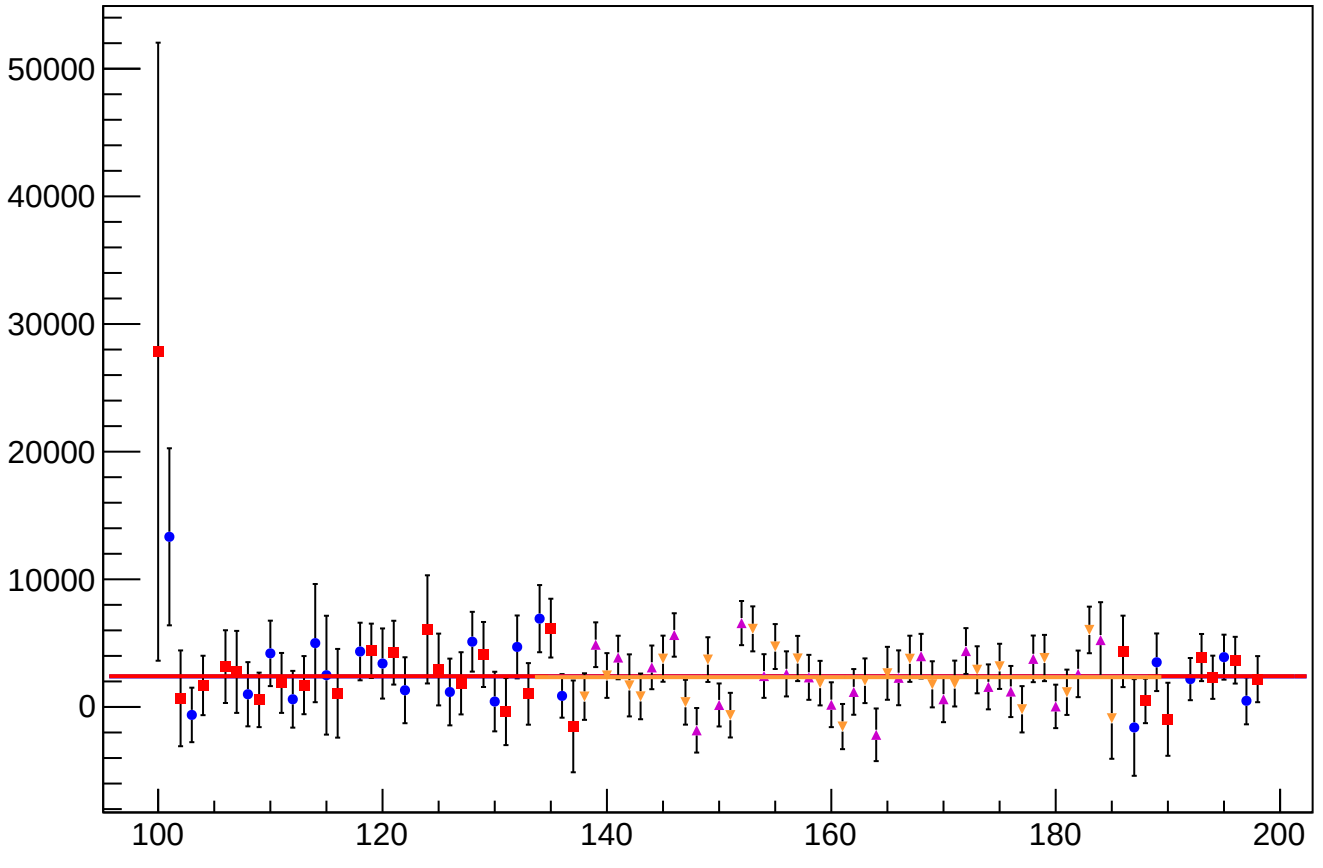
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 1050.879+/-0.167 χ^2/NDF: 6106894.8/46

In: 1009.079+/-0.138 χ^2/NDF:4143177.1/43

Out: 1015.936+/-0.134 χ^2/NDF:5205711.0/50

All: 1012.624+/-0.096 χ^2/NDF: 9350160.6/94



Right In: 2390.296+/-517.228 χ^2/NDF: 17.4/20

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: 2410.594+/-474.075 χ^2/NDF: 14.8/25

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

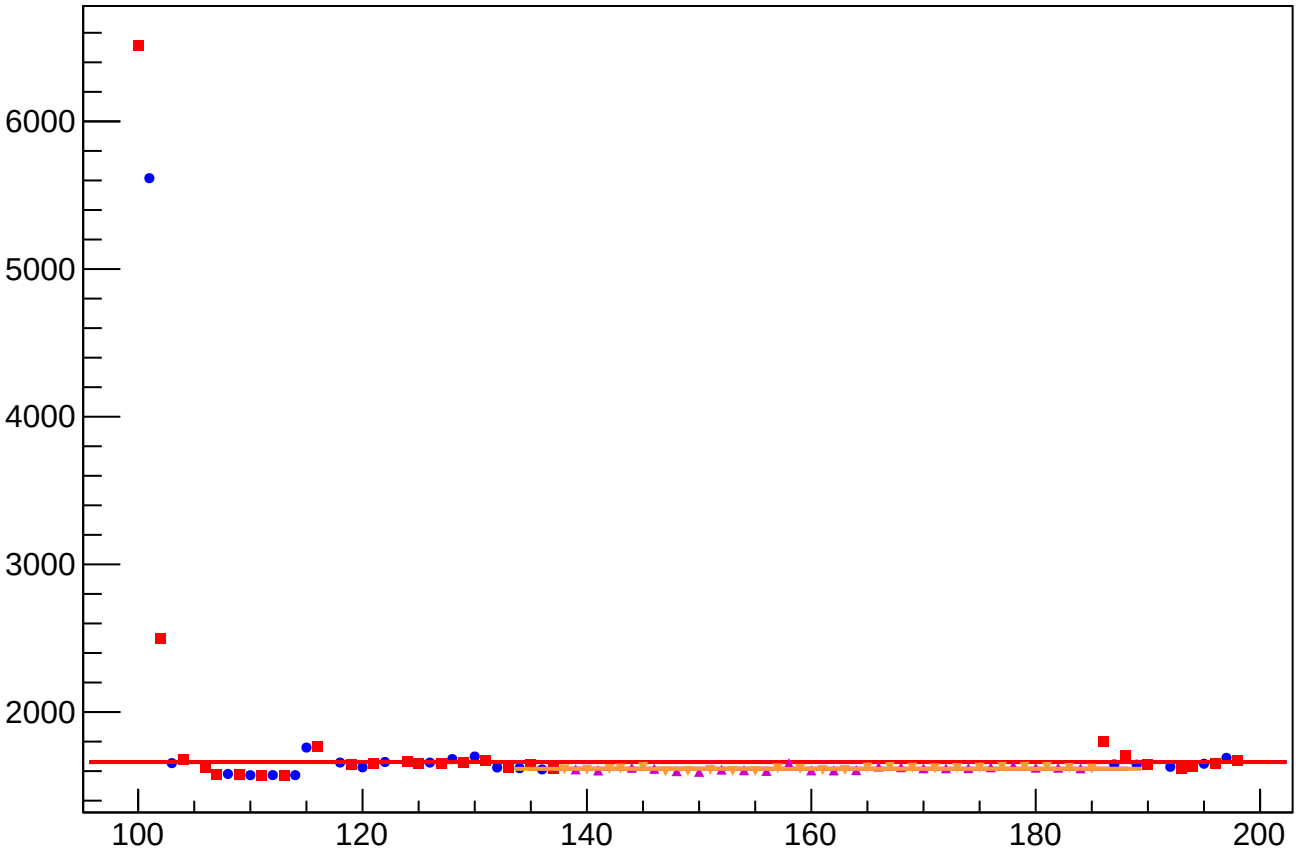
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2401.327+/-349.483 χ^2/NDF: 32.2/46

In: 2370.714+/-304.871 χ^2/NDF:51.4/43

Out: 2363.226+/-290.199 χ^2/NDF:43.1/50

All: 2366.785+/-210.197 χ^2/NDF: 94.5/94



Right In: 1661.590+/-0.366 χ^2/NDF: 664531.3/20

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1661.466+/-0.335 χ^2/NDF: 201550.5/25

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

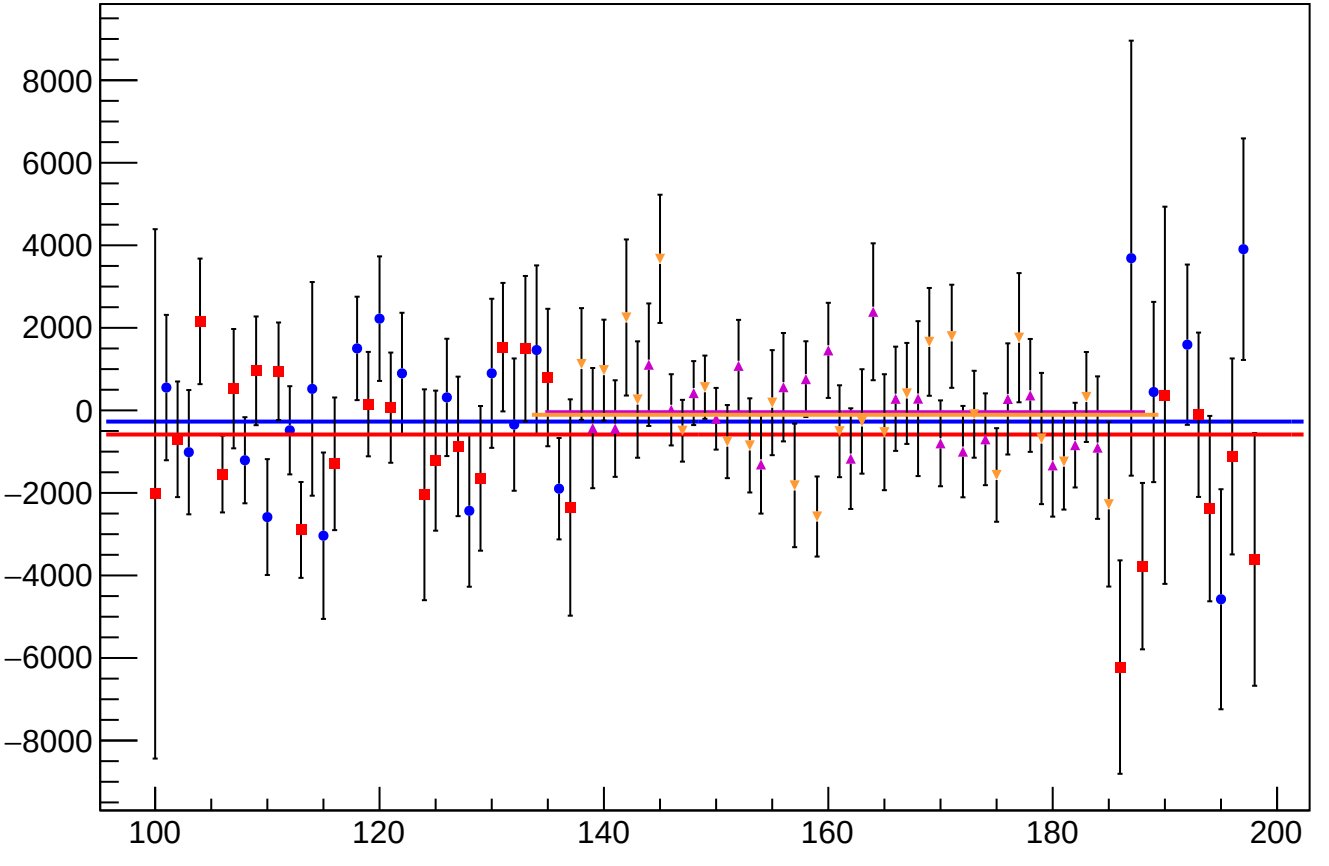
Right: 1661.523+/-0.247 χ^2/NDF: 866081.9/46

In: 1632.075+/-0.216 χ^2/NDF:677069.3/43

Out: 1632.807+/-0.205 χ^2/NDF:214686.5/50

All: 1632.459+/-0.149 χ^2/NDF: 891761.9/94

asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -271.519+/-349.707 χ^2/NDF: 22.4/20

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

Right Out: -584.849+/-319.488 χ^2/NDF: 27.0/25

Left In: -44.468+/-235.733 χ^2/NDF:12.8/22

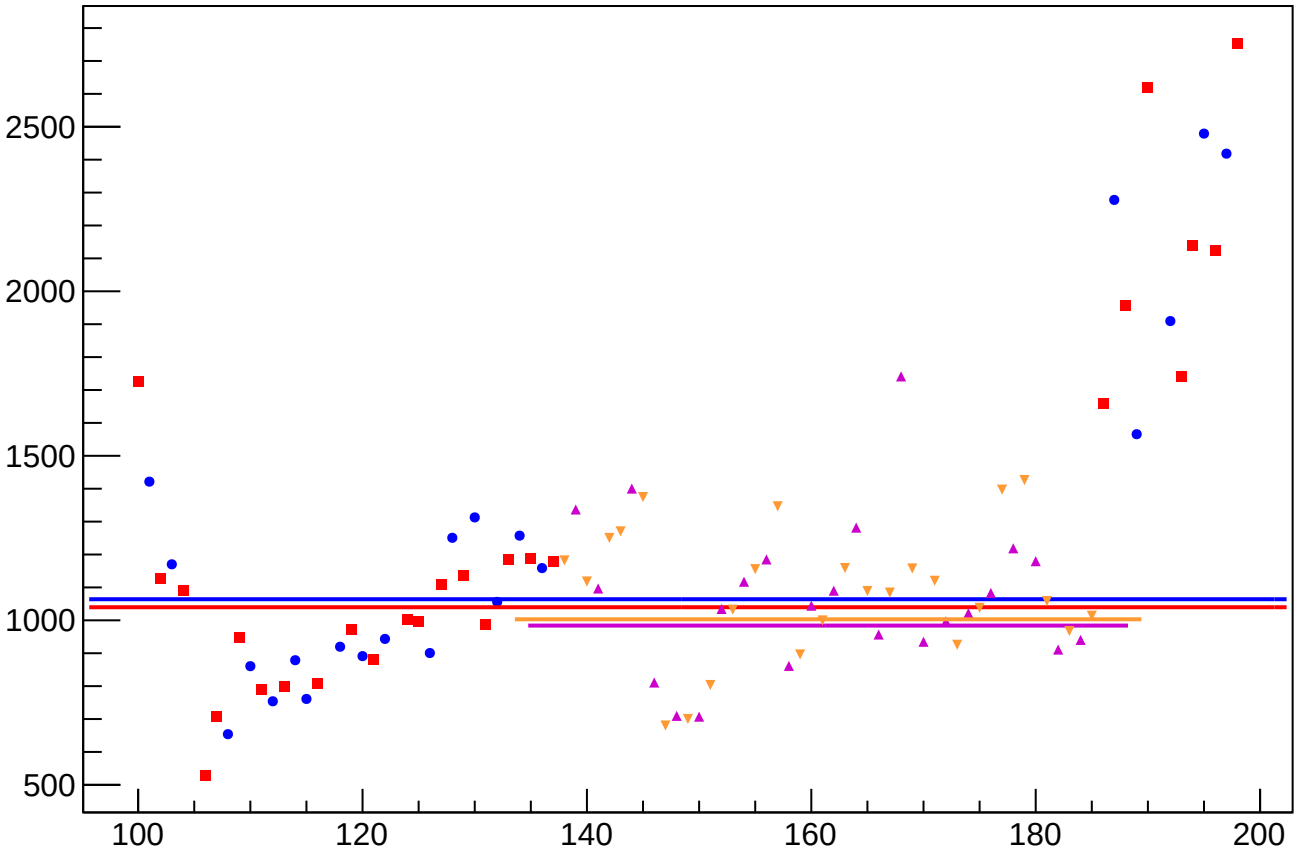
Left: -75.592+/-166.182 χ^2/NDF: 41.8/47

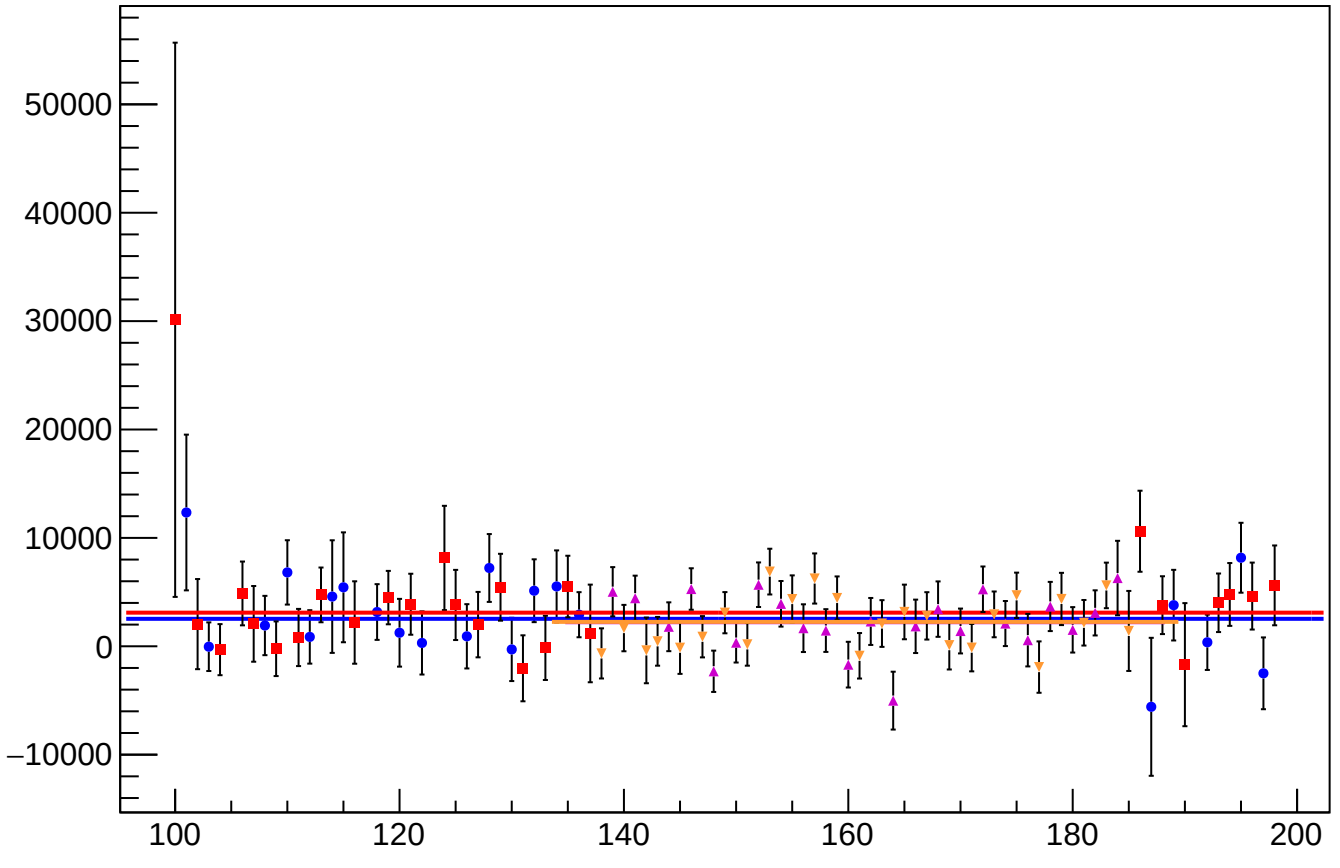
Right: -442.304+/-235.874 χ^2/NDF: 49.9/46

In: -115.405+/-195.470 χ^2/NDF:35.5/43

Out: -273.693+/-188.942 χ^2/NDF:57.5/50

All: -197.237+/-135.851 χ^2/NDF: 93.3/94


asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1064.149+/-0.247 χ²/NDF: 2511496.1/20
Left Out: 1003.103+/-0.166 χ²/NDF:1598417.7/24
Right Out: 1039.797+/-0.226 χ²/NDF: 3590153.2/25
Left In: 984.055+/-0.167 χ²/NDF:1559563.7/22
Left: 993.637+/-0.118 χ²/NDF: 3164549.9/47
Right: 1050.875+/-0.167 χ²/NDF: 6106935.4/46
In: 1009.079+/-0.138 χ²/NDF:4143192.0/43
Out: 1015.936+/-0.134 χ²/NDF:5205725.8/50
All: 1012.624+/-0.096 χ²/NDF: 9350190.4/94



Right In: 2533.292+/-657.924 χ^2/NDF: 20.0/20

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: 3102.580+/-610.689 χ^2/NDF: 19.9/25

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

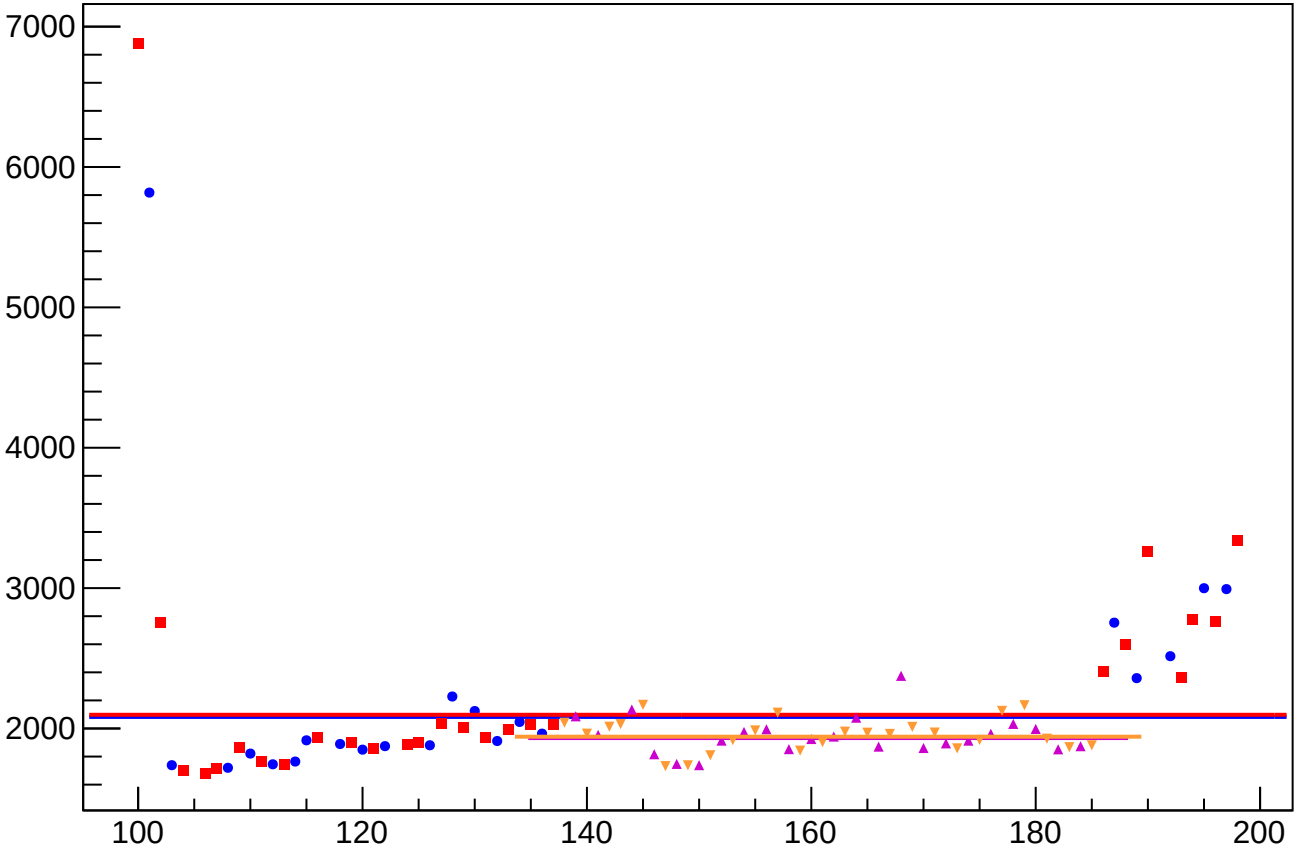
Right: 2839.104+/-447.591 χ^2/NDF: 40.3/46

In: 2320.135+/-372.713 χ^2/NDF:51.7/43

Out: 2544.834+/-358.170 χ^2/NDF:49.5/50

All: 2436.954+/-258.252 χ^2/NDF: 101.4/94

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 2082.581+/-0.465 χ^2/NDF: 1152758.3/20

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

Right Out: 2097.638+/-0.432 χ^2/NDF: 1004582.0/25

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

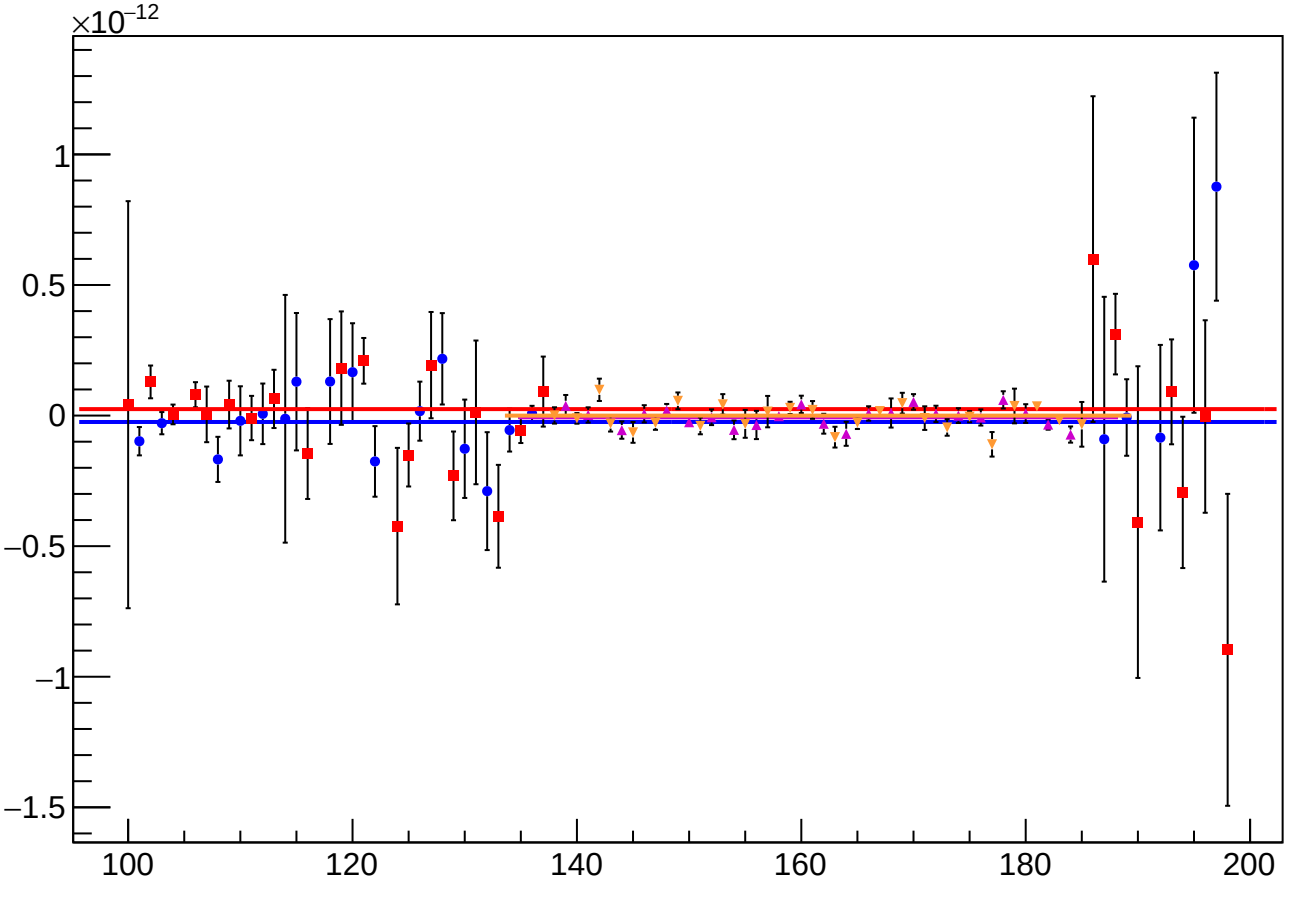
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 2090.670+/-0.316 χ^2/NDF: 2157903.0/46

In: 1980.197+/-0.264 χ^2/NDF:1383957.6/43

Out: 1995.263+/-0.253 χ^2/NDF:1229269.9/50

All: 1988.030+/-0.183 χ^2/NDF: 2614926.5/94



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/20

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.0/25

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

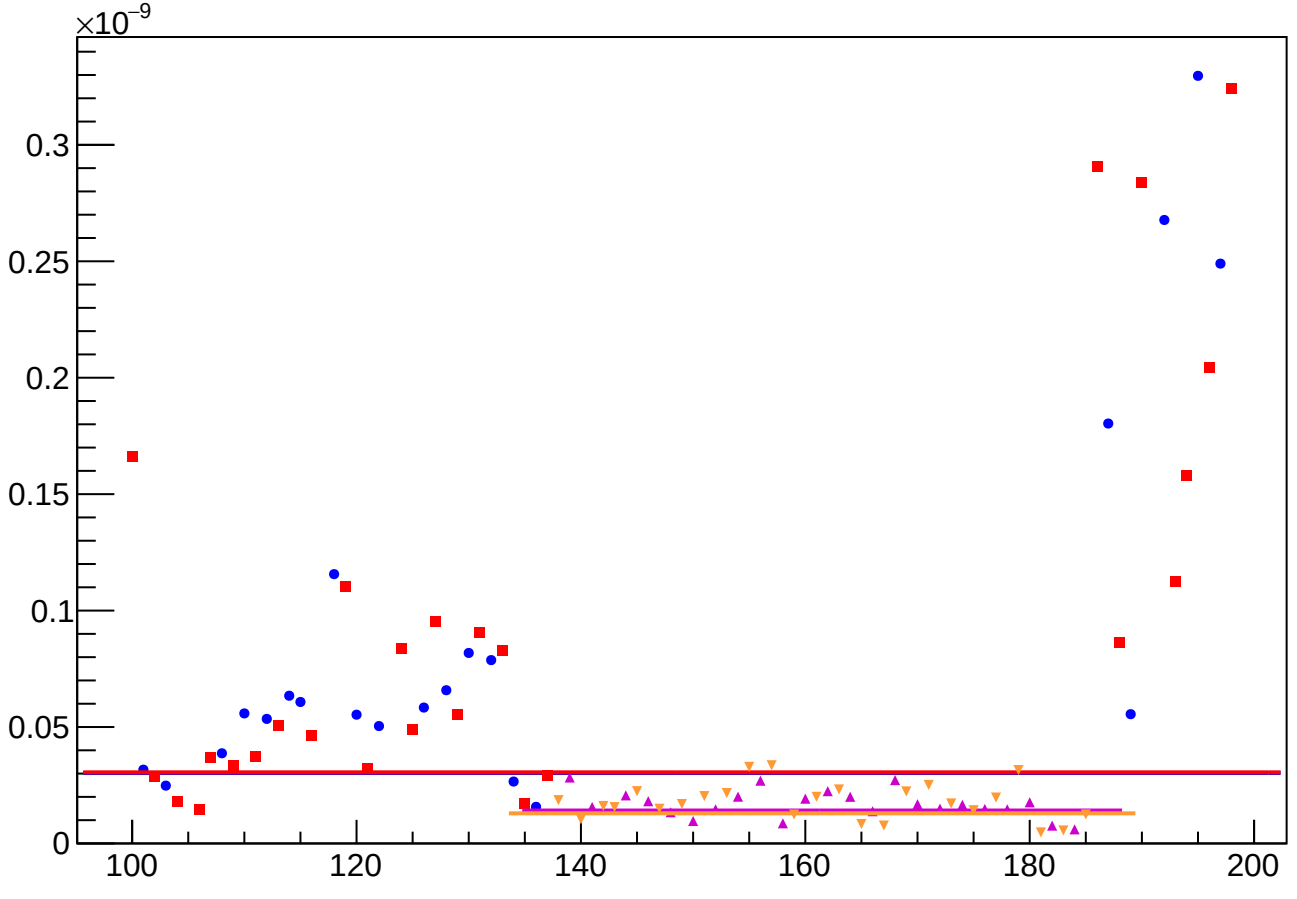
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: -0.000+/-0.000 χ^2/NDF: 55.6/46

In: -0.000+/-0.000 χ^2/NDF:46.5/43

Out: 0.000+/-0.000 χ^2/NDF:75.9/50

All: -0.000+/-0.000 χ^2/NDF: 124.0/94



Right In: 0.000+/-0.000 χ^2/NDF: 3682794.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4241501.3/25

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

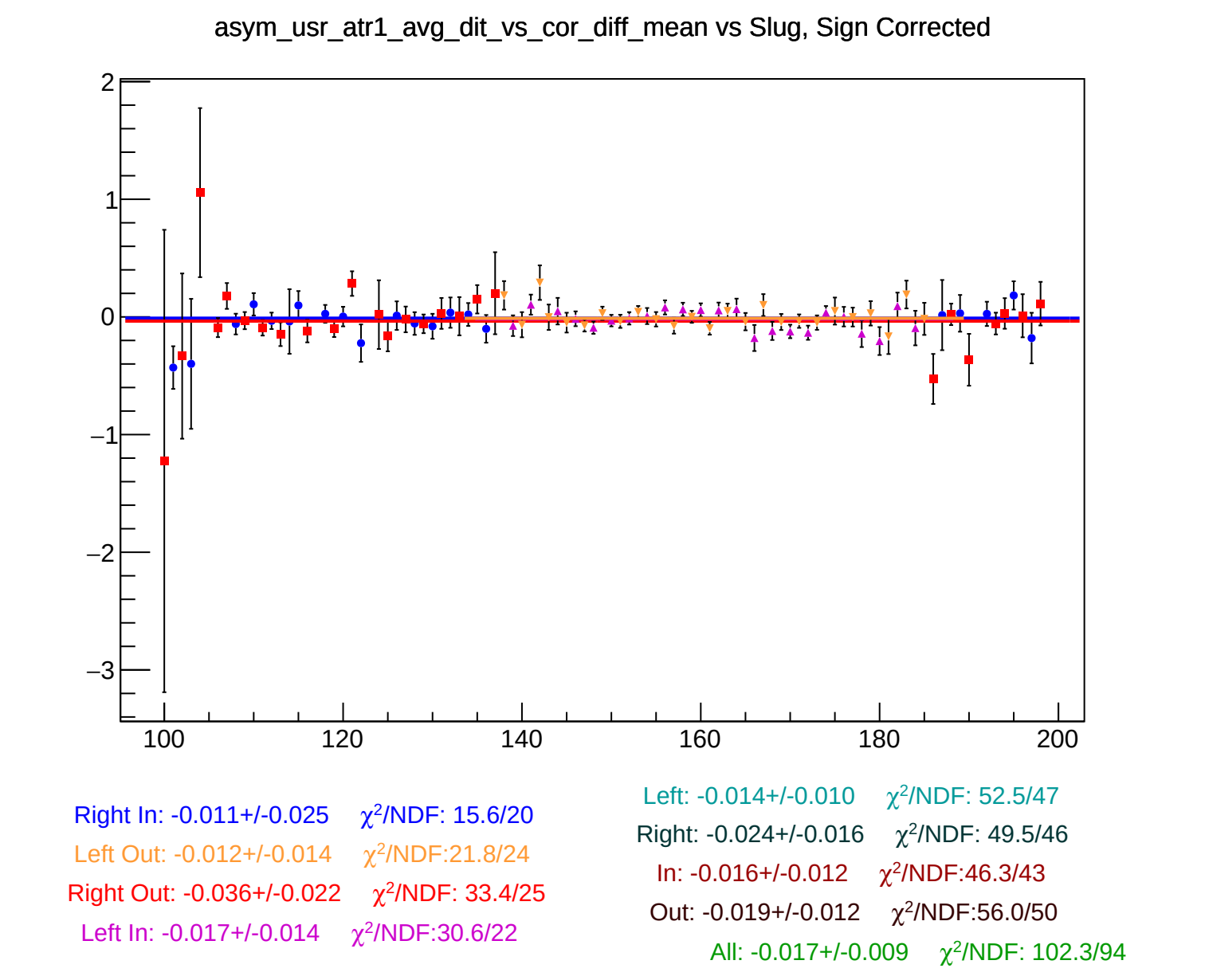
Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

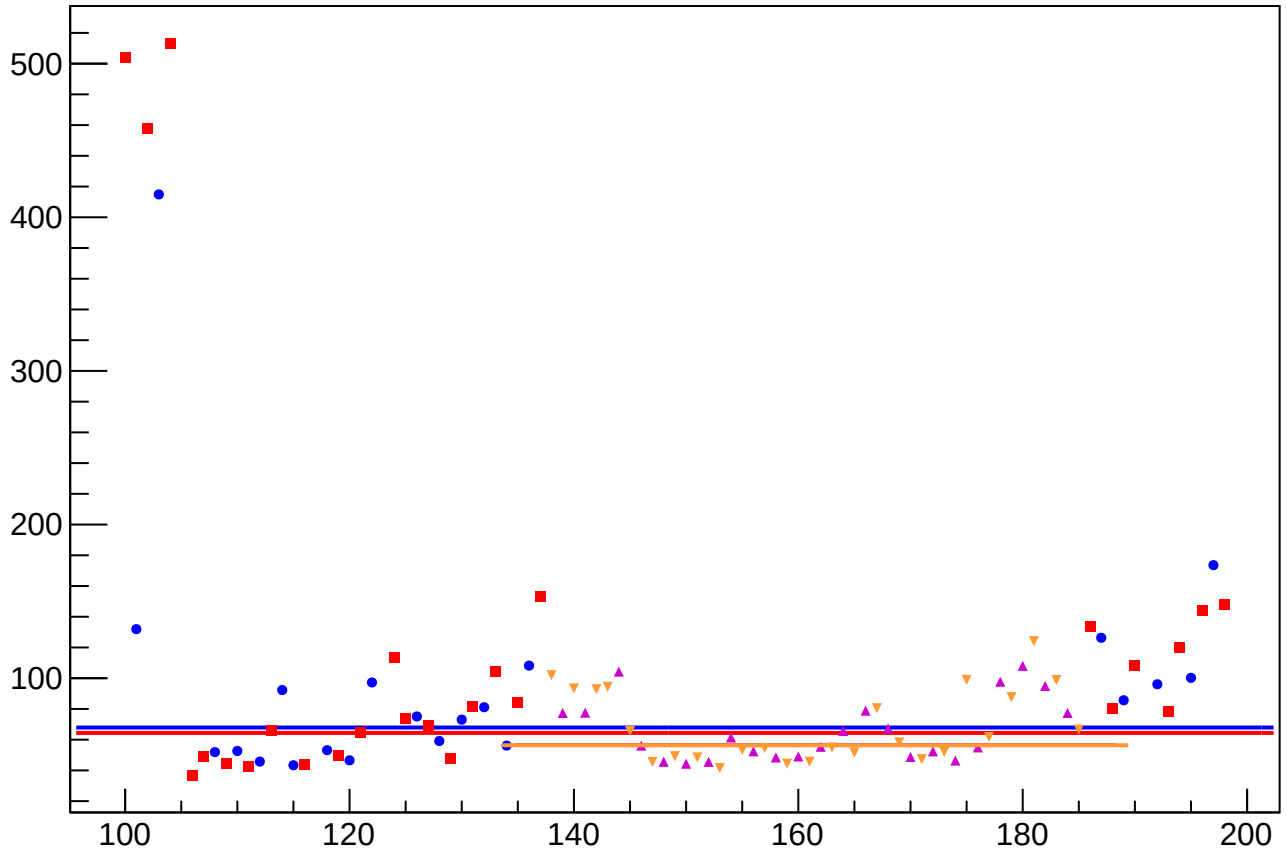
Right: 0.000+/-0.000 χ^2/NDF: 7924480.3/46

In: 0.000+/-0.000 χ^2/NDF:6520196.0/43

Out: 0.000+/-0.000 χ^2/NDF:8638010.0/50

All: 0.000+/-0.000 χ^2/NDF: 15211099.7/94


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: -0.011+/-0.025 χ²/NDF: 15.6/20
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.036+/-0.022 χ²/NDF: 33.4/25
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: -0.024+/-0.016 χ²/NDF: 49.5/46
In: -0.016+/-0.012 χ²/NDF:46.3/43
Out: -0.019+/-0.012 χ²/NDF:56.0/50
All: -0.017+/-0.009 χ²/NDF: 102.3/94



Right In: 67.909+/-0.017 χ^2/NDF: 2920312.7/20

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 64.397+/-0.016 χ^2/NDF: 4379356.2/25

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

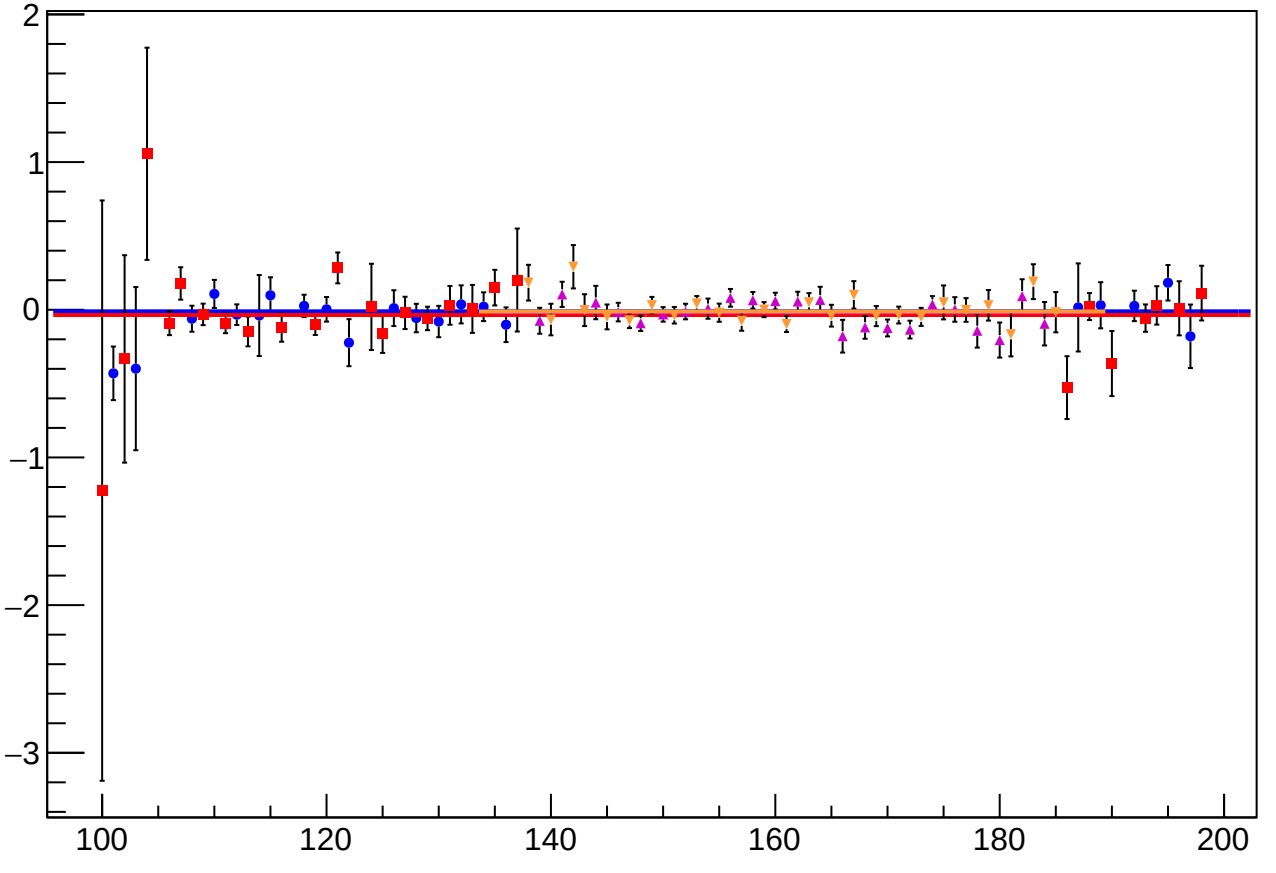
Right: 65.965+/-0.012 χ^2/NDF: 7322273.7/46

In: 59.417+/-0.009 χ^2/NDF:5382077.5/43

Out: 58.749+/-0.008 χ^2/NDF:7362628.4/50

All: 59.070+/-0.006 χ^2/NDF: 12747679.1/94

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.025 χ^2/NDF: 15.6/20

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.036+/-0.022 χ^2/NDF: 33.4/25

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

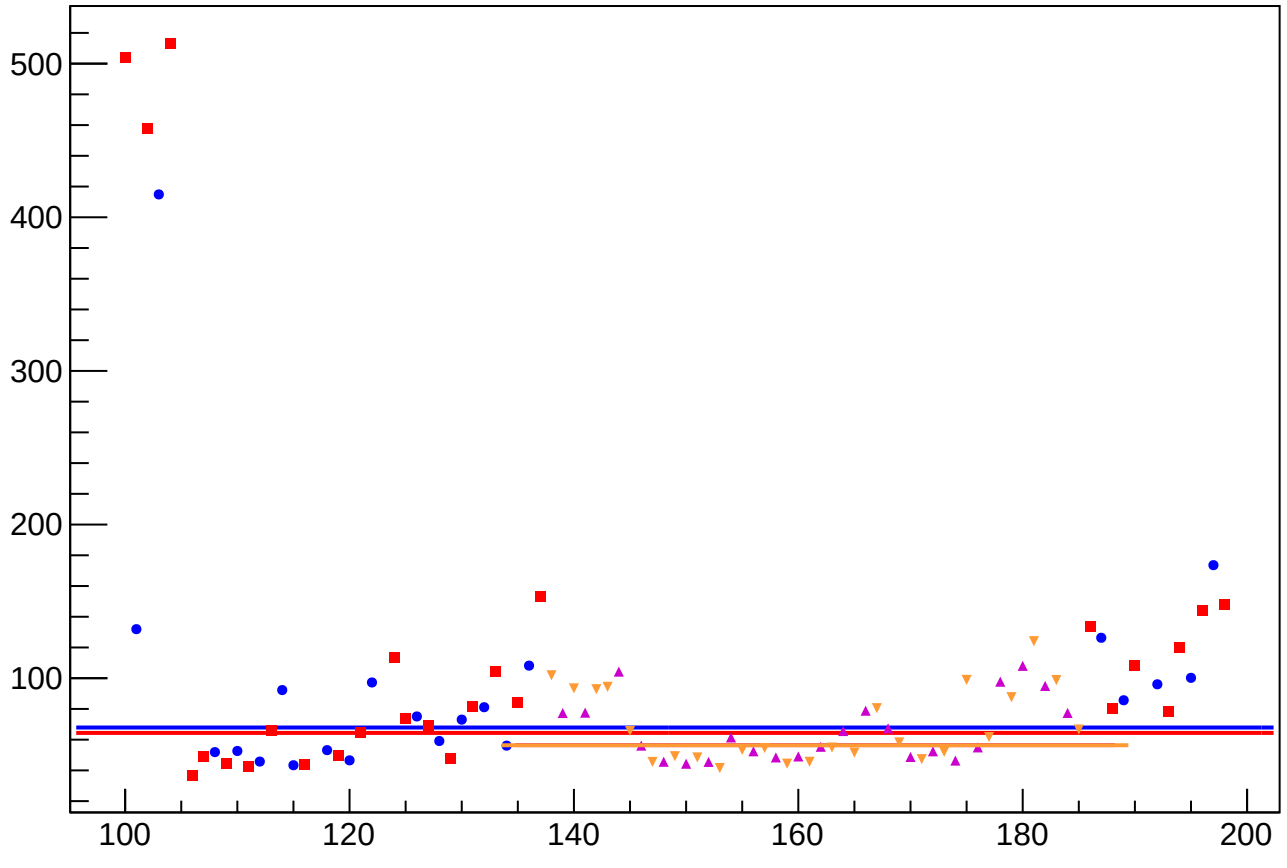
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.024+/-0.016 χ^2/NDF: 49.5/46

In: -0.016+/-0.012 χ^2/NDF:46.3/43

Out: -0.019+/-0.012 χ^2/NDF:56.0/50

All: -0.017+/-0.009 χ^2/NDF: 102.3/94



Right In: 67.909+/-0.017 χ^2/NDF: 2920312.7/20

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 64.397+/-0.016 χ^2/NDF: 4379356.2/25

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

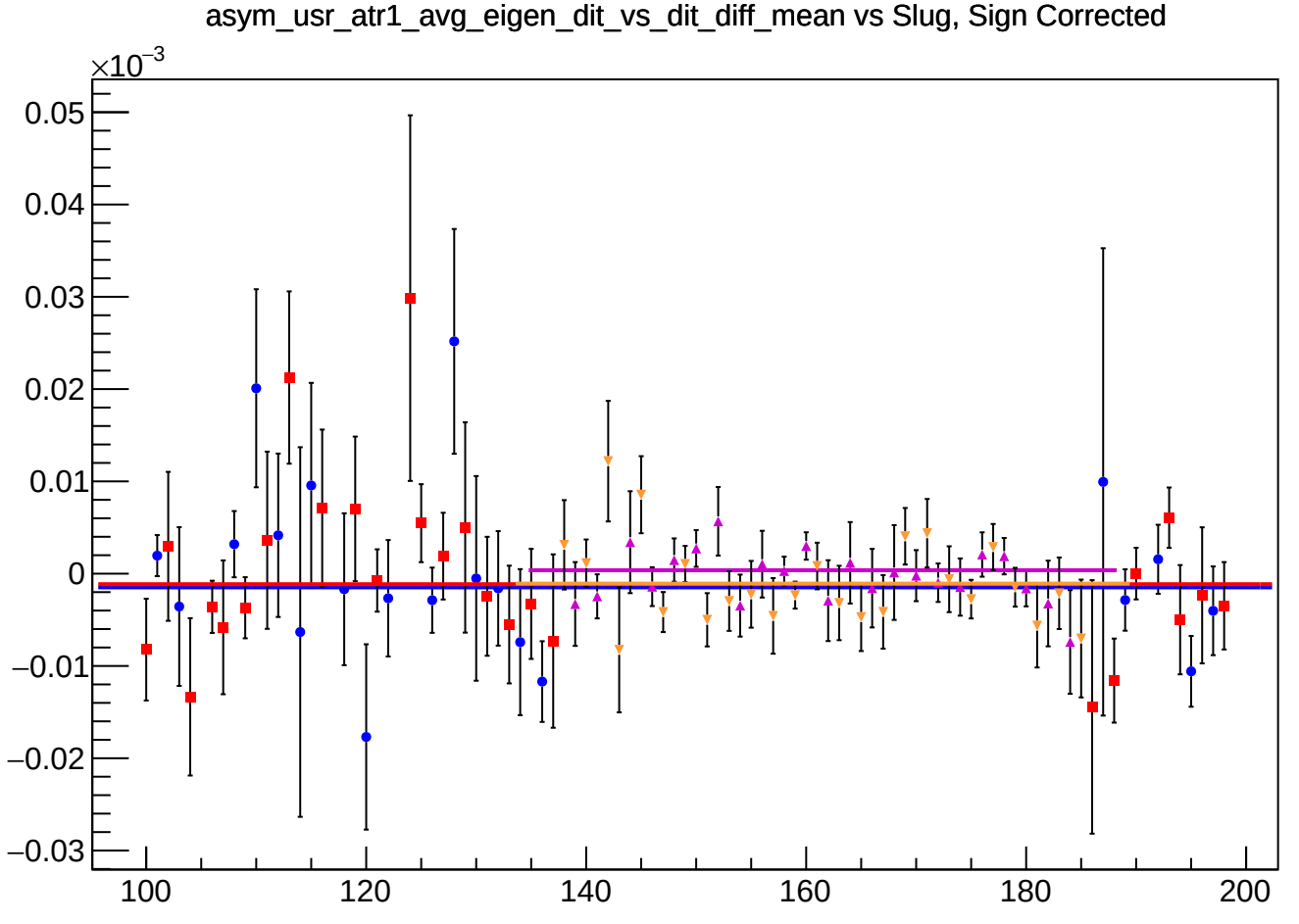
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 65.965+/-0.012 χ^2/NDF: 7322273.7/46

In: 59.417+/-0.009 χ^2/NDF:5382077.5/43

Out: 58.749+/-0.008 χ^2/NDF:7362628.4/50

All: 59.070+/-0.006 χ^2/NDF: 12747679.1/94



Right In: -0.000+/-0.000 χ^2/NDF: 30.2/20

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.4/25

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

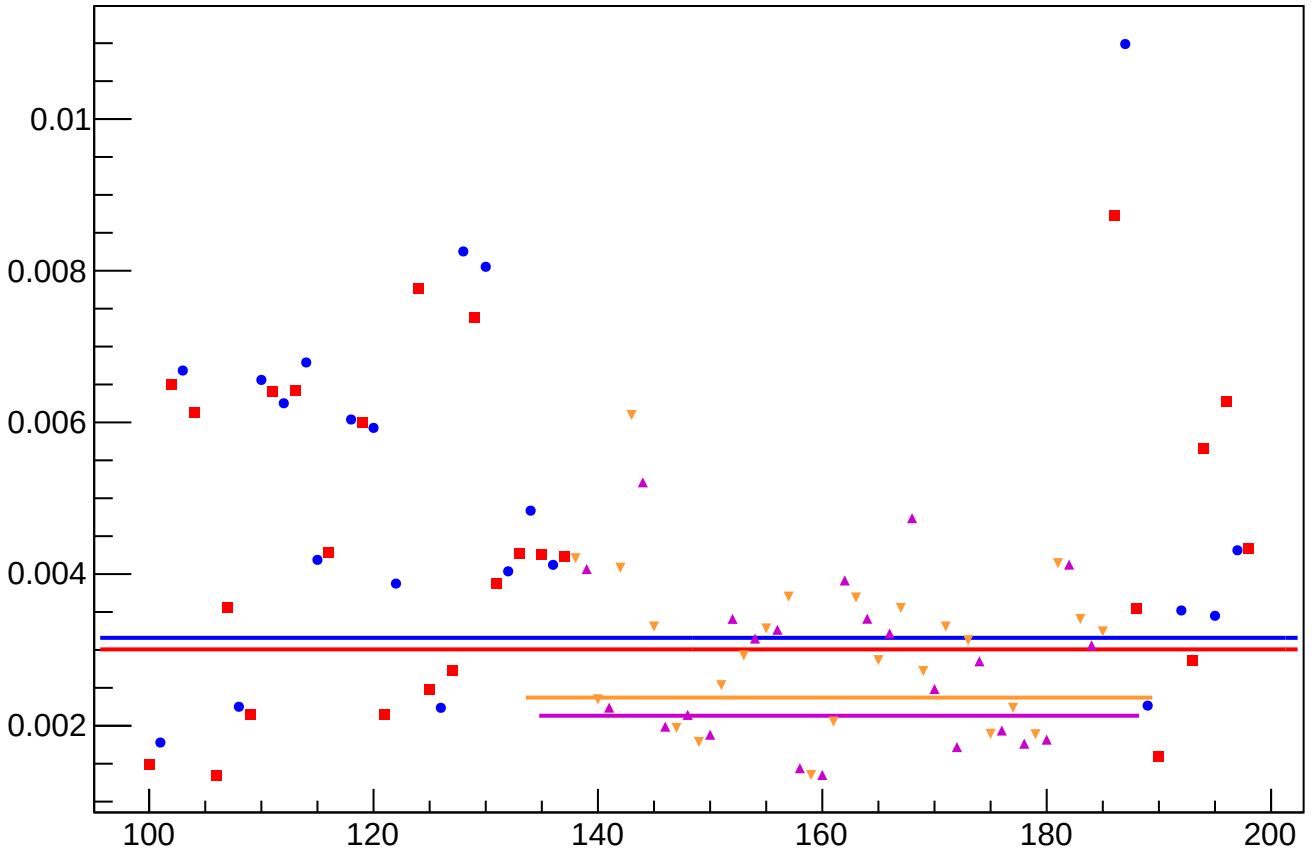
Left: -0.000+/-0.000 χ^2/NDF: 52.4/47

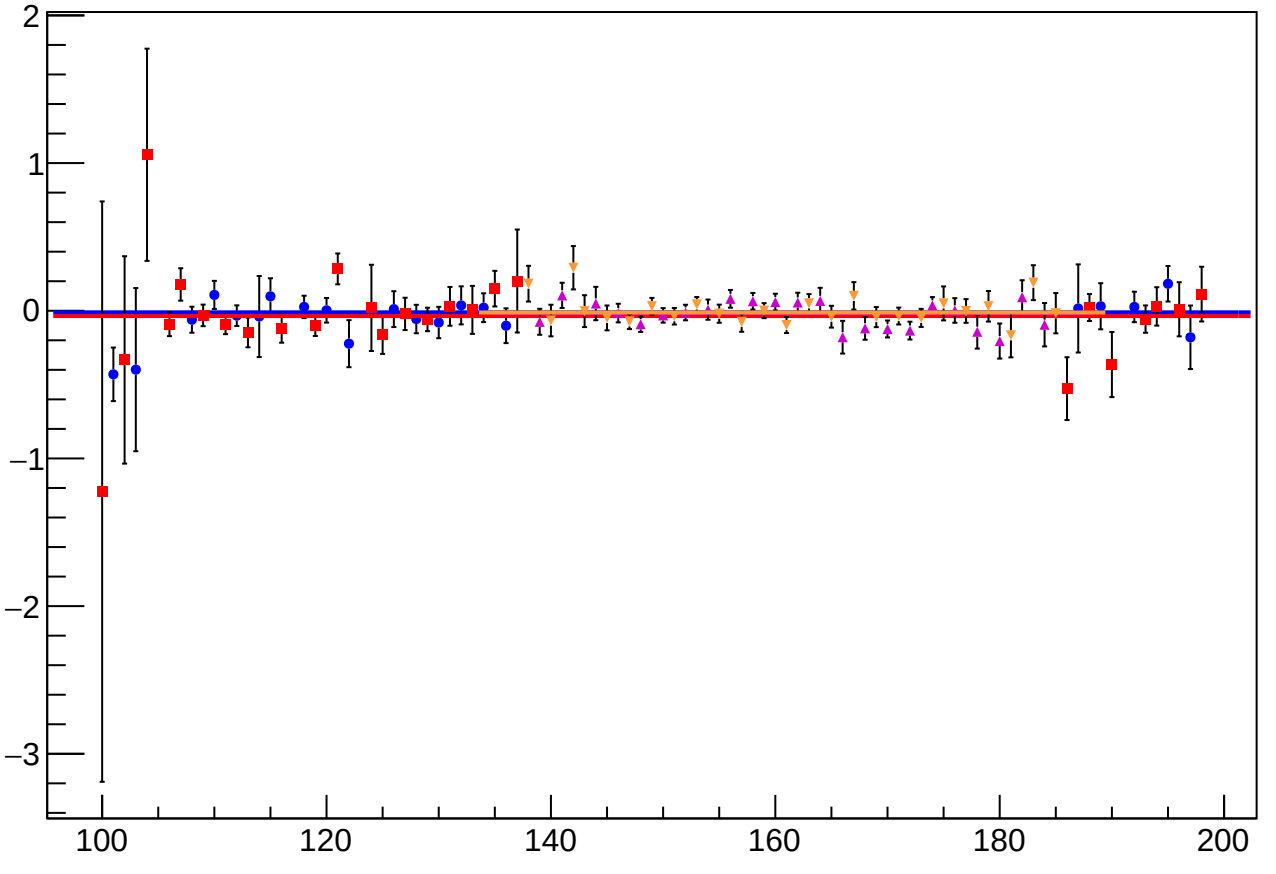
Right: -0.000+/-0.000 χ^2/NDF: 62.6/46

In: 0.000+/-0.000 χ^2/NDF:50.0/43

Out: -0.000+/-0.000 χ^2/NDF:63.9/50

All: -0.000+/-0.000 χ^2/NDF: 116.4/94


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 3767703.8/20
Left Out: 0.002+/-0.000 χ²/NDF:4161142.1/24
Right Out: 0.003+/-0.000 χ²/NDF: 5149109.6/25
Left In: 0.002+/-0.000 χ²/NDF:4521223.3/22
Left: 0.002+/-0.000 χ²/NDF: 8864827.0/47
Right: 0.003+/-0.000 χ²/NDF: 8938082.7/46
In: 0.002+/-0.000 χ²/NDF:9713537.7/43
Out: 0.003+/-0.000 χ²/NDF:9915306.1/50
All: 0.002+/-0.000 χ²/NDF: 19793368.2/94



Right In: -0.011+/-0.025 χ^2/NDF: 15.6/20

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.036+/-0.022 χ^2/NDF: 33.3/25

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

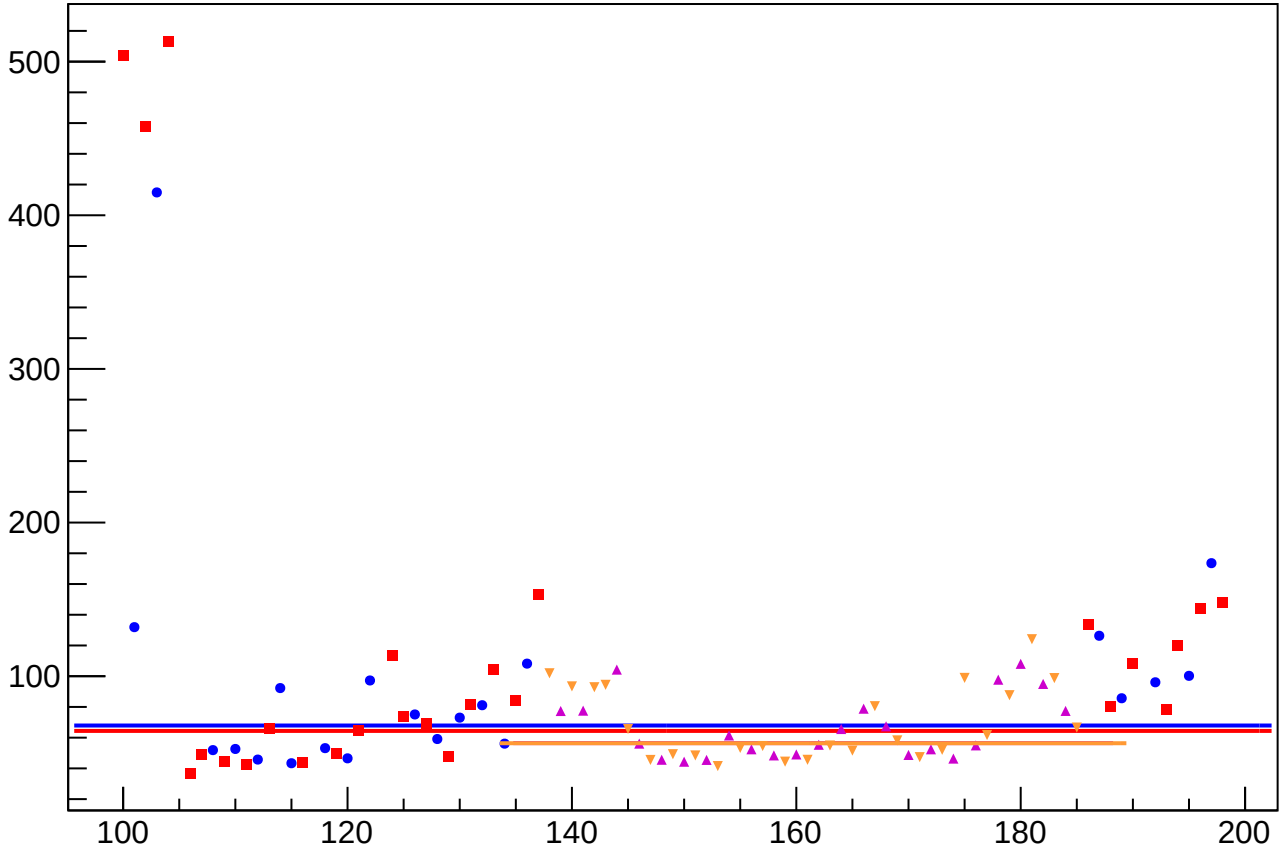
Right: -0.024+/-0.016 χ^2/NDF: 49.5/46

In: -0.016+/-0.012 χ^2/NDF:46.3/43

Out: -0.019+/-0.012 χ^2/NDF:56.0/50

All: -0.017+/-0.009 χ^2/NDF: 102.3/94

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.909+/-0.017 χ^2/NDF: 2920286.7/20

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 64.396+/-0.016 χ^2/NDF: 4379367.3/25

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

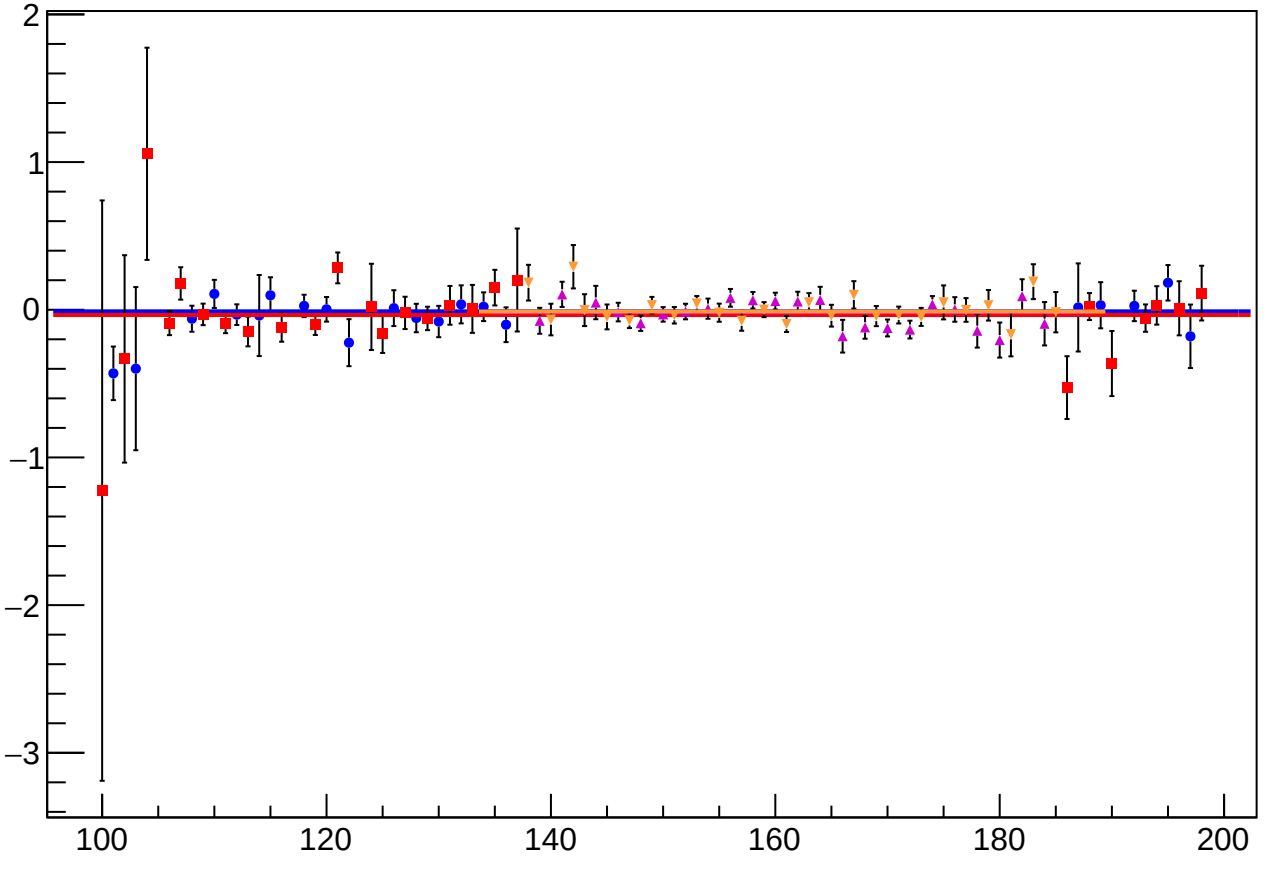
Right: 65.965+/-0.012 χ^2/NDF: 7322260.5/46

In: 59.417+/-0.009 χ^2/NDF:5381993.5/43

Out: 58.749+/-0.008 χ^2/NDF:7362670.0/50

All: 59.070+/-0.006 χ^2/NDF: 12747636.8/94

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.025 χ^2/NDF: 15.6/20

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.036+/-0.022 χ^2/NDF: 33.3/25

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

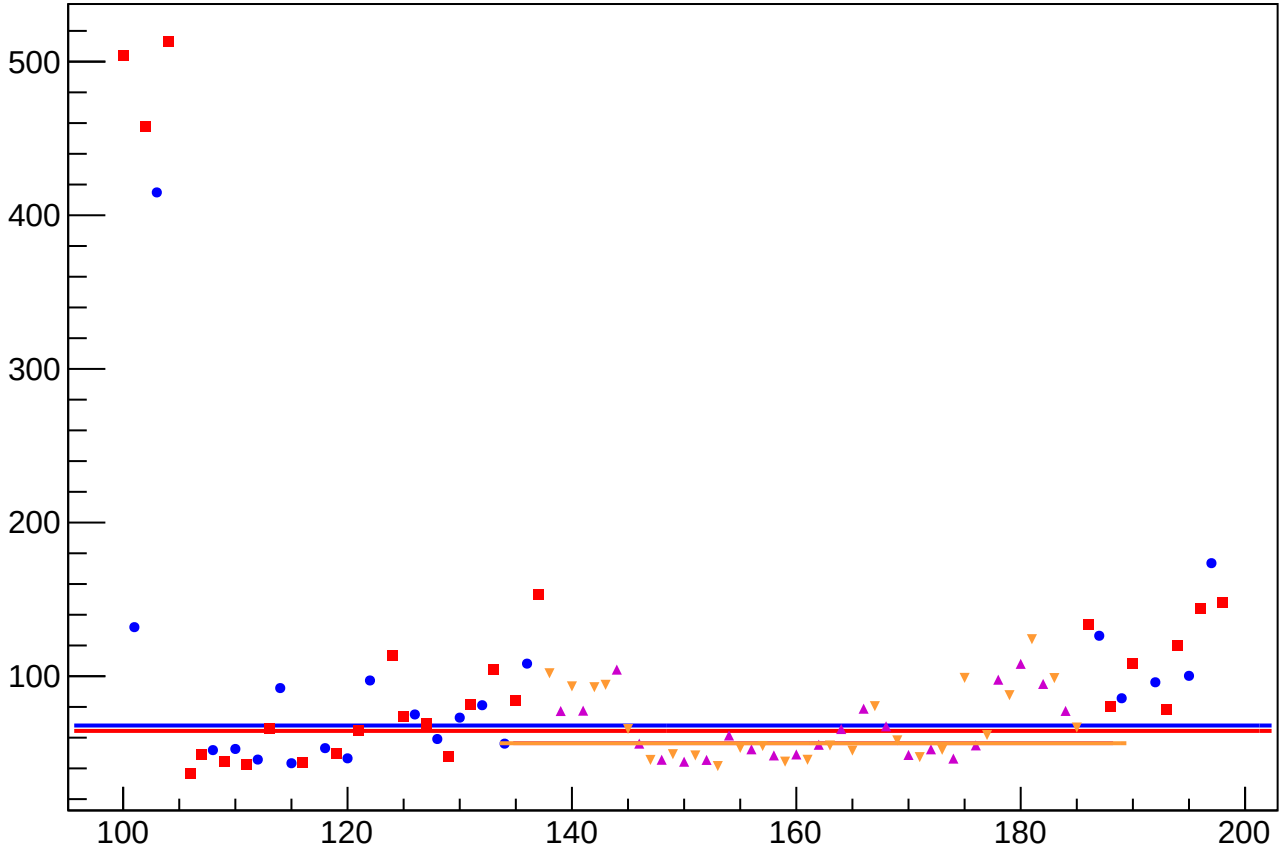
Right: -0.024+/-0.016 χ^2/NDF: 49.5/46

In: -0.016+/-0.012 χ^2/NDF:46.3/43

Out: -0.019+/-0.012 χ^2/NDF:56.0/50

All: -0.017+/-0.009 χ^2/NDF: 102.3/94

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.909+/-0.017 χ^2/NDF: 2920286.7/20

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 64.396+/-0.016 χ^2/NDF: 4379367.3/25

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

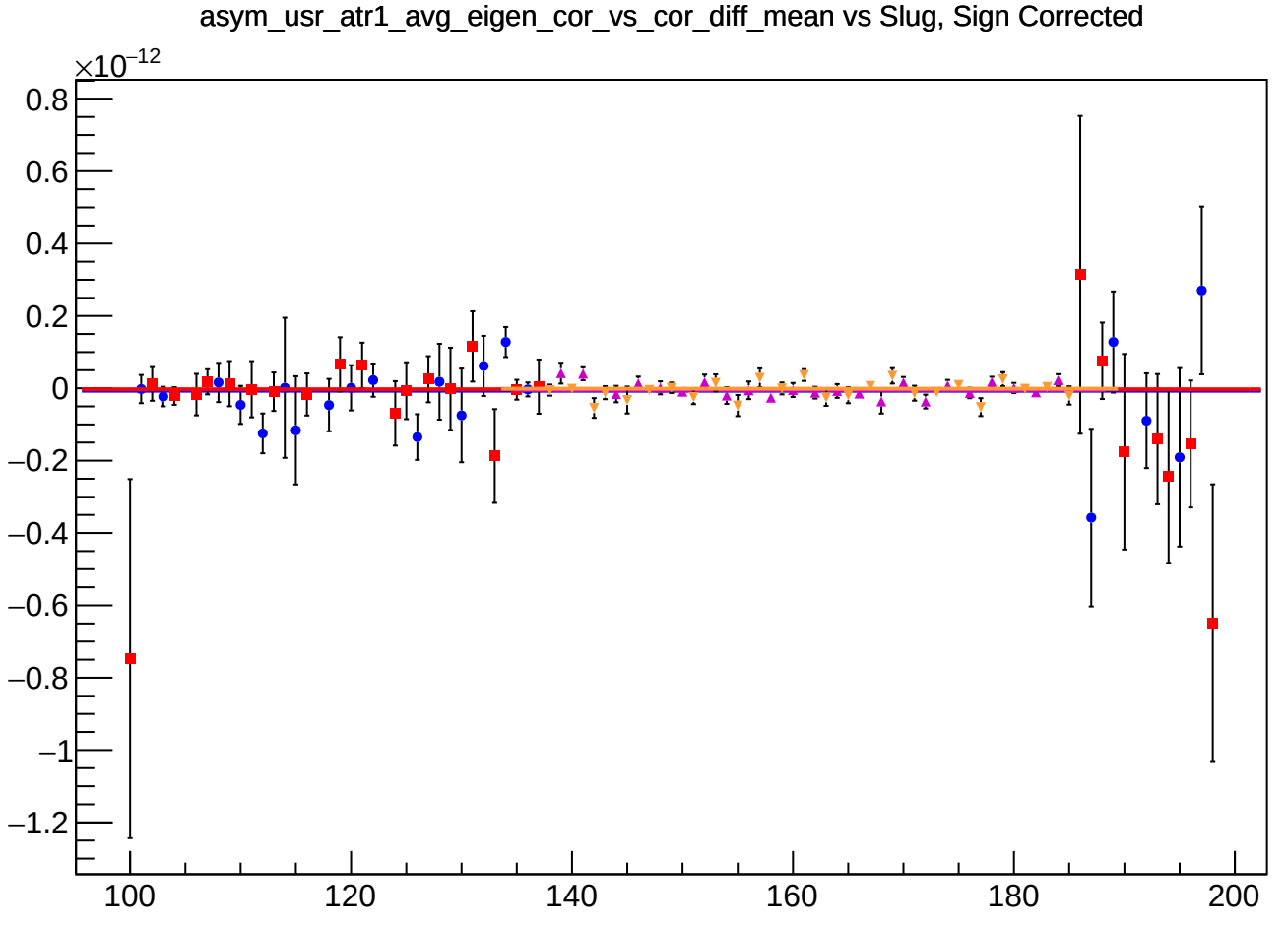
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 65.965+/-0.012 χ^2/NDF: 7322260.5/46

In: 59.417+/-0.009 χ^2/NDF:5381993.5/43

Out: 58.749+/-0.008 χ^2/NDF:7362670.0/50

All: 59.070+/-0.006 χ^2/NDF: 12747636.8/94



Right In: -0.000+/-0.000 χ^2/NDF: 28.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.4/25

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

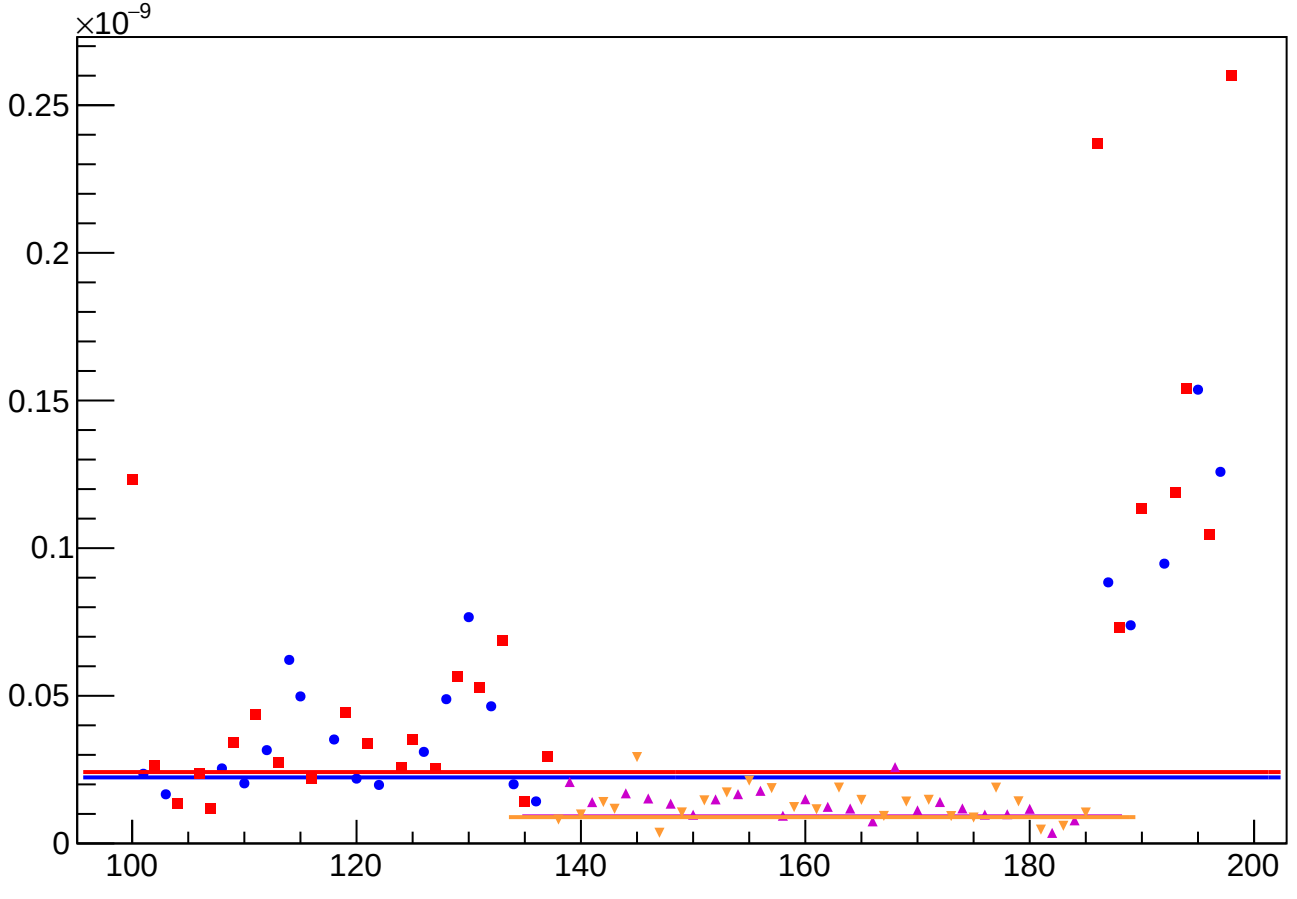
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 44.4/46

In: -0.000+/-0.000 χ^2/NDF:56.4/43

Out: -0.000+/-0.000 χ^2/NDF:46.0/50

All: -0.000+/-0.000 χ^2/NDF: 103.2/94



Right In: 0.000+/-0.000 χ^2/NDF: 3412318.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5421128.8/25

Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

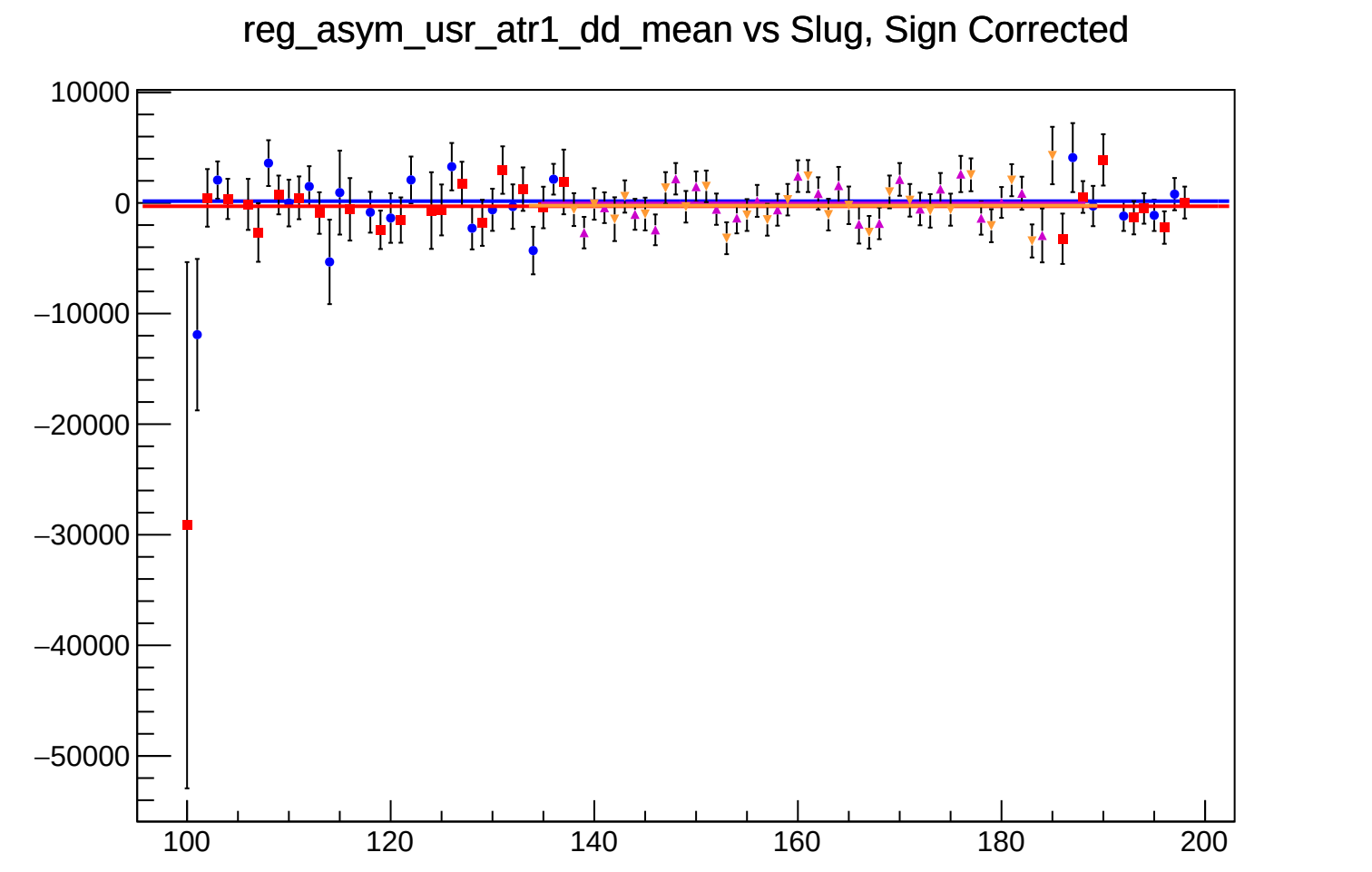
Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

Right: 0.000+/-0.000 χ^2/NDF: 8858329.7/46

In: 0.000+/-0.000 χ^2/NDF:11088692.2/43

Out: 0.000+/-0.000 χ^2/NDF:13658244.6/50

All: 0.000+/-0.000 χ^2/NDF: 24755937.7/94



Right In: 163.112+/-420.564 χ^2/NDF: 25.4/20

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: -298.916+/-384.508 χ^2/NDF: 17.6/25

Left In: -39.122+/-308.622 χ^2/NDF:27.1/22

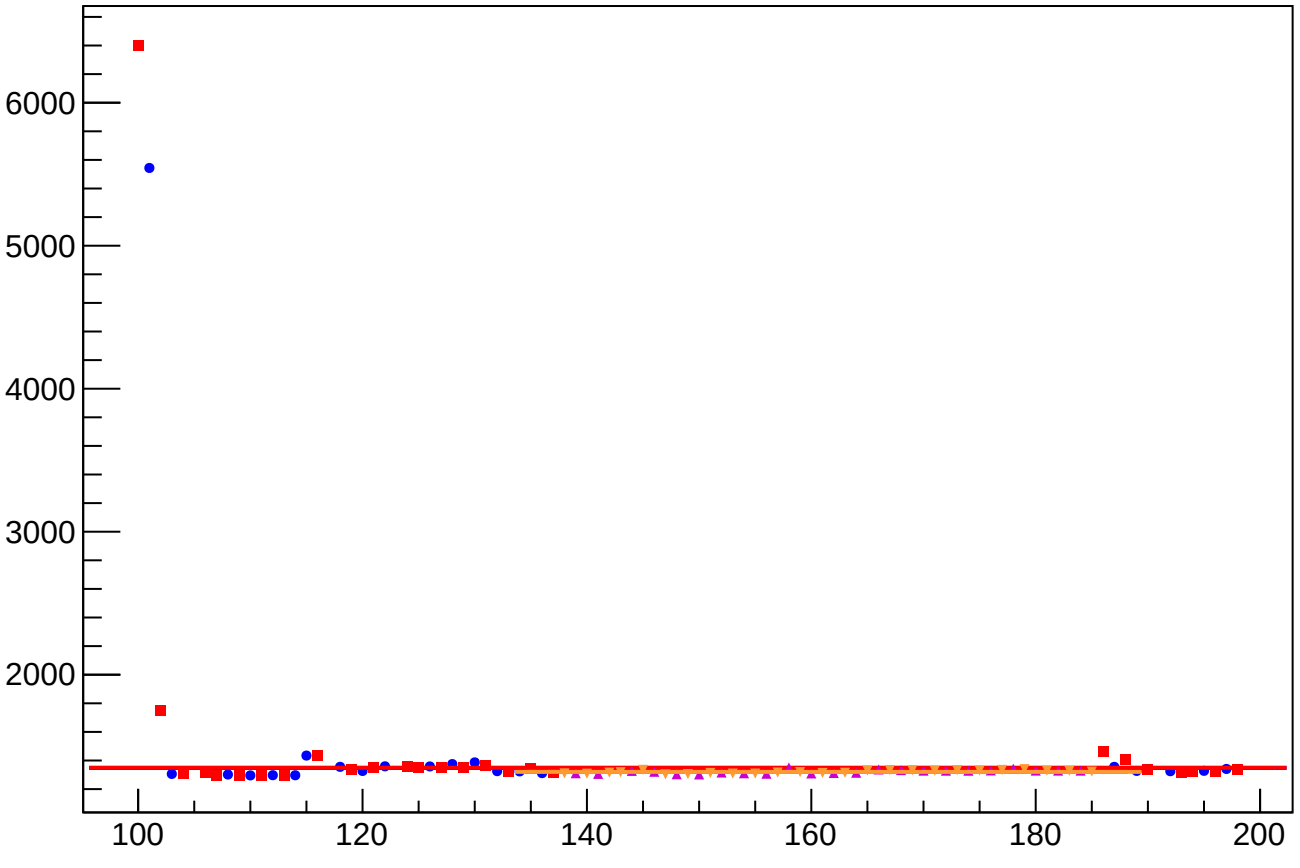
Left: -142.853+/-215.118 χ^2/NDF: 59.1/47

Right: -88.553+/-283.781 χ^2/NDF: 43.6/46

In: 31.663+/-248.815 χ^2/NDF:52.6/43

Out: -262.837+/-236.529 χ^2/NDF:49.4/50

All: -123.037+/-171.430 χ^2/NDF: 102.7/94



Right In: 1348.004+/-0.297 χ^2/NDF: 762082.2/20

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1349.366+/-0.272 χ^2/NDF: 158009.4/25

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

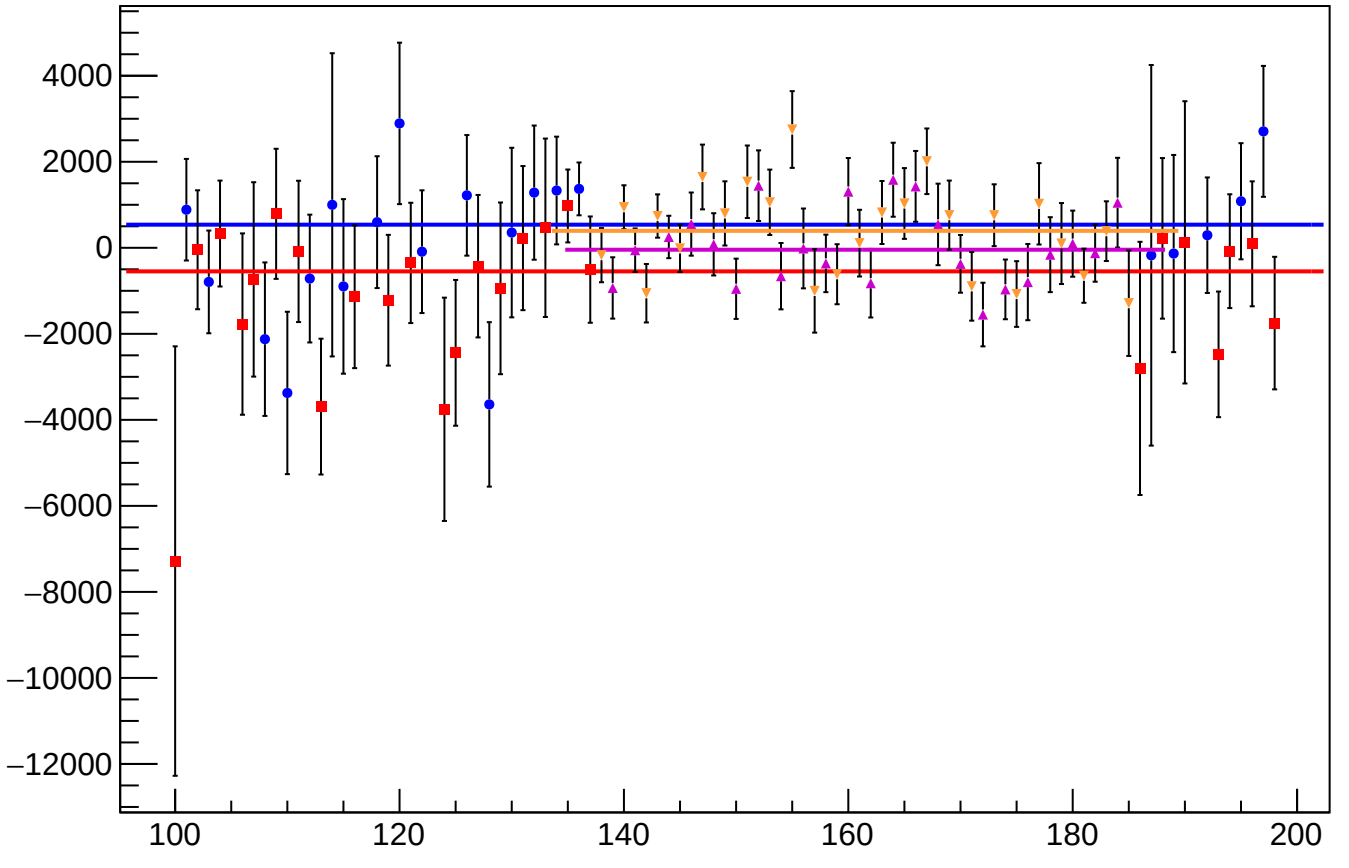
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1348.746+/-0.201 χ^2/NDF: 920103.0/46

In: 1330.961+/-0.176 χ^2/NDF:770688.9/43

Out: 1331.573+/-0.167 χ^2/NDF:167502.2/50

All: 1331.282+/-0.121 χ^2/NDF: 938197.5/94



Right In: 537.553+/-308.523 χ^2/NDF: 20.7/20

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: -547.875+/-310.998 χ^2/NDF: 17.9/25

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

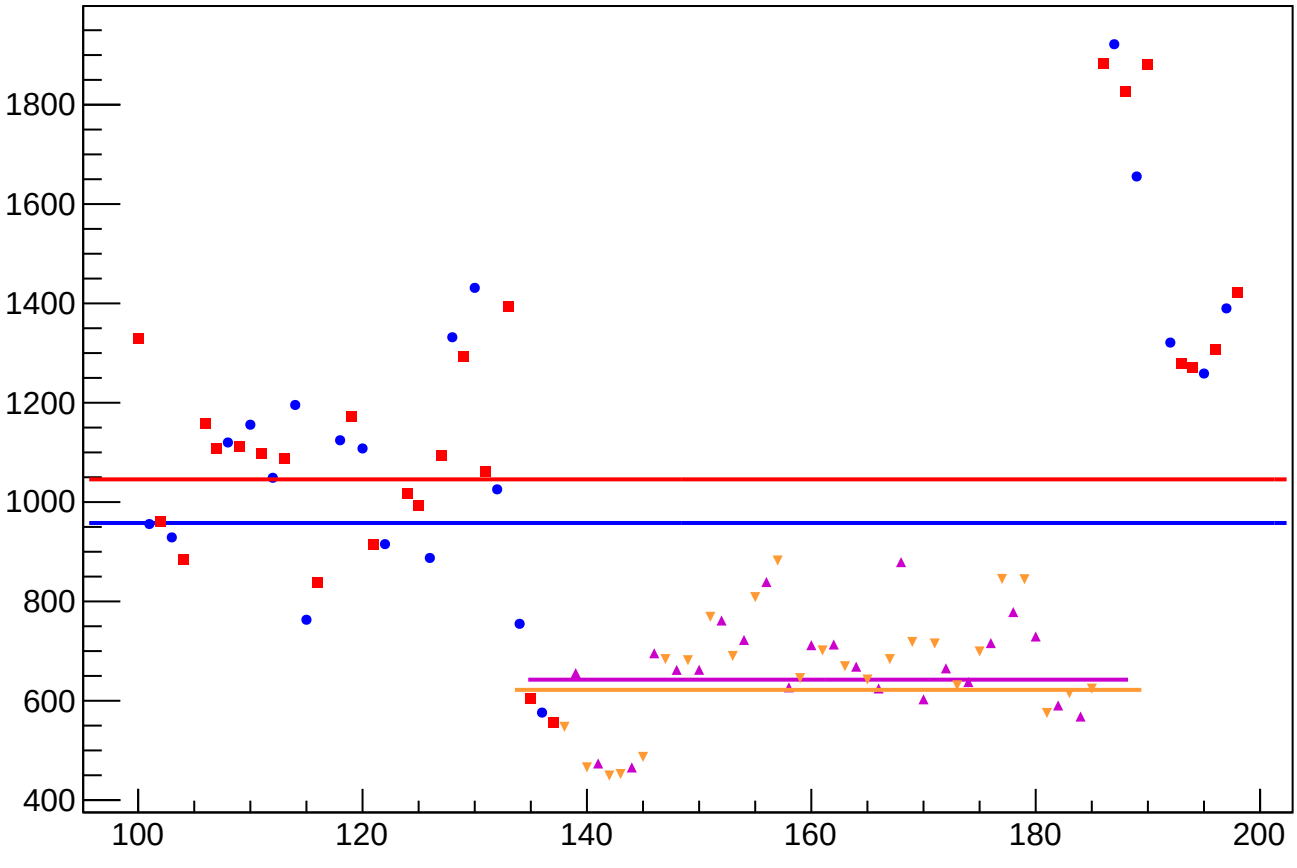
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: -0.825+/-219.029 χ^2/NDF: 44.8/46

In: 69.361+/-136.590 χ^2/NDF:51.1/43

Out: 227.102+/-131.091 χ^2/NDF:67.3/50

All: 151.471+/-94.580 χ^2/NDF: 119.2/94



Right In: 957.930+/-0.218 χ^2/NDF: 1825597.2/20

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 1045.737+/-0.220 χ^2/NDF: 2007160.7/25

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

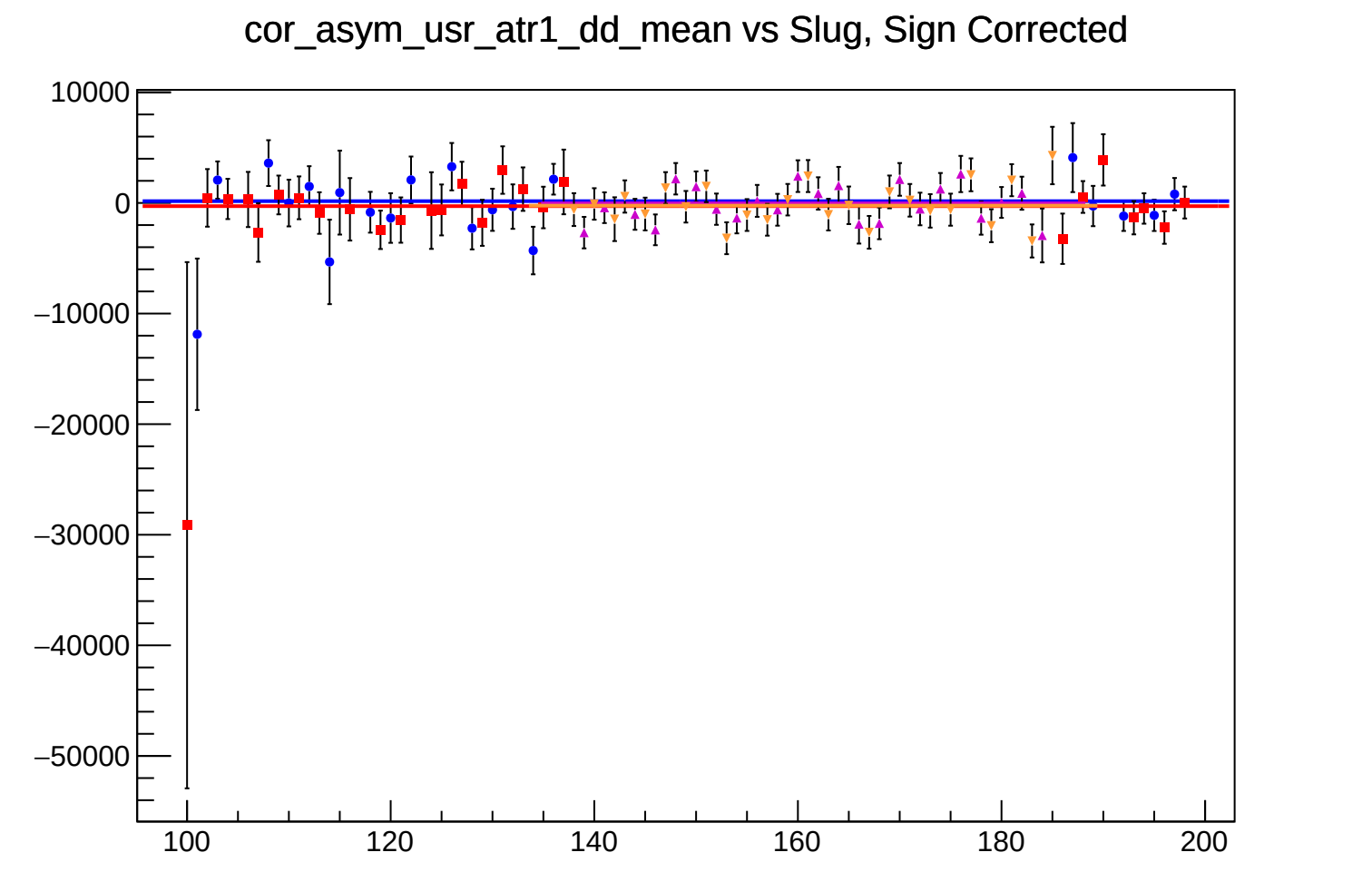
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

Right: 1001.483+/-0.155 χ^2/NDF: 3913110.4/46

In: 704.301+/-0.097 χ^2/NDF:4433035.7/43

Out: 697.248+/-0.093 χ^2/NDF:6444507.2/50

All: 700.630+/-0.067 χ^2/NDF: 10880319.2/94



Right In: 163.253+/-420.564 χ^2/NDF: 25.3/20

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -289.212+/-385.279 χ^2/NDF: 17.7/25

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

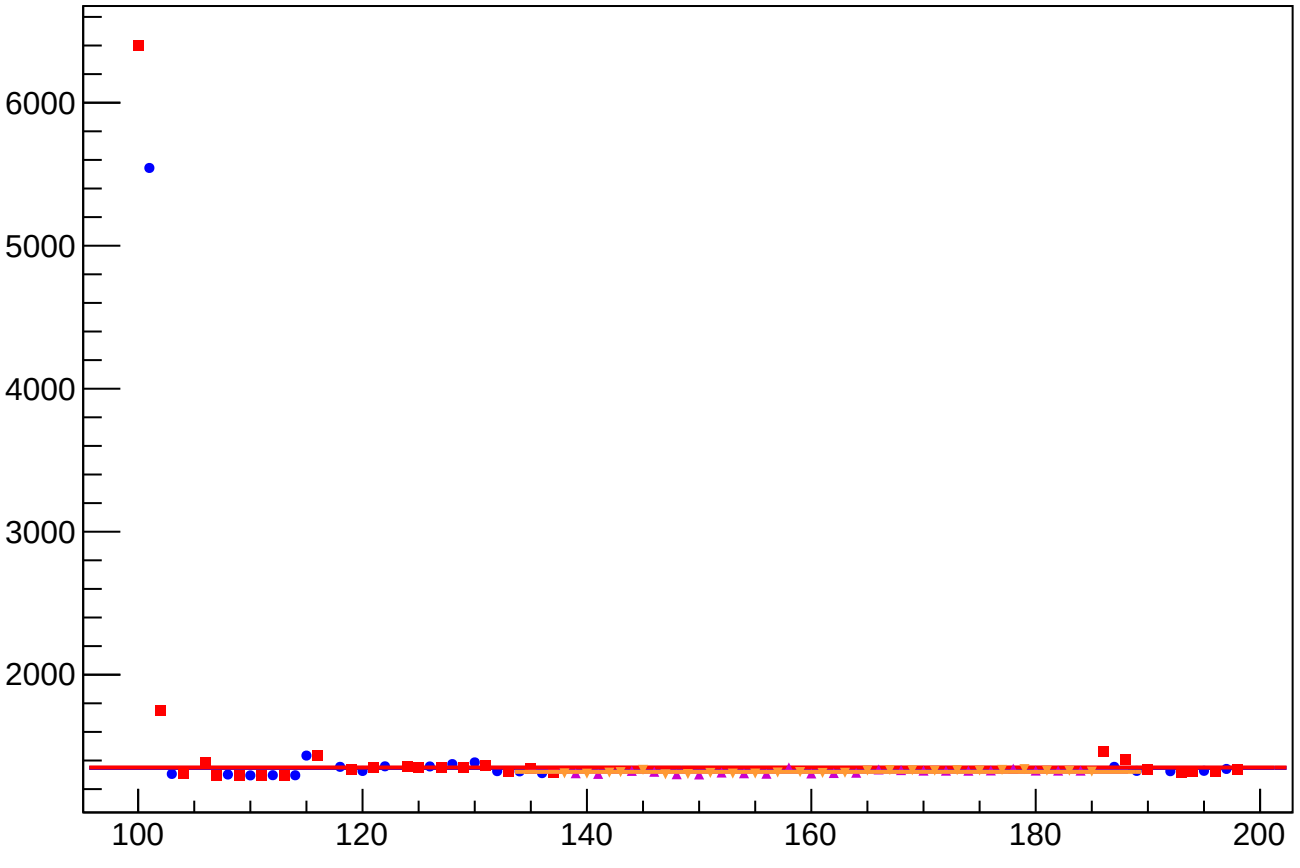
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: -82.753+/-284.090 χ^2/NDF: 43.7/46

In: 31.667+/-248.815 χ^2/NDF:52.6/43

Out: -259.121+/-236.709 χ^2/NDF:49.4/50

All: -120.973+/-171.499 χ^2/NDF: 102.7/94



Right In: 1348.004+/-0.297 χ^2/NDF: 762081.2/20

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1351.194+/-0.272 χ^2/NDF: 158082.5/25

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

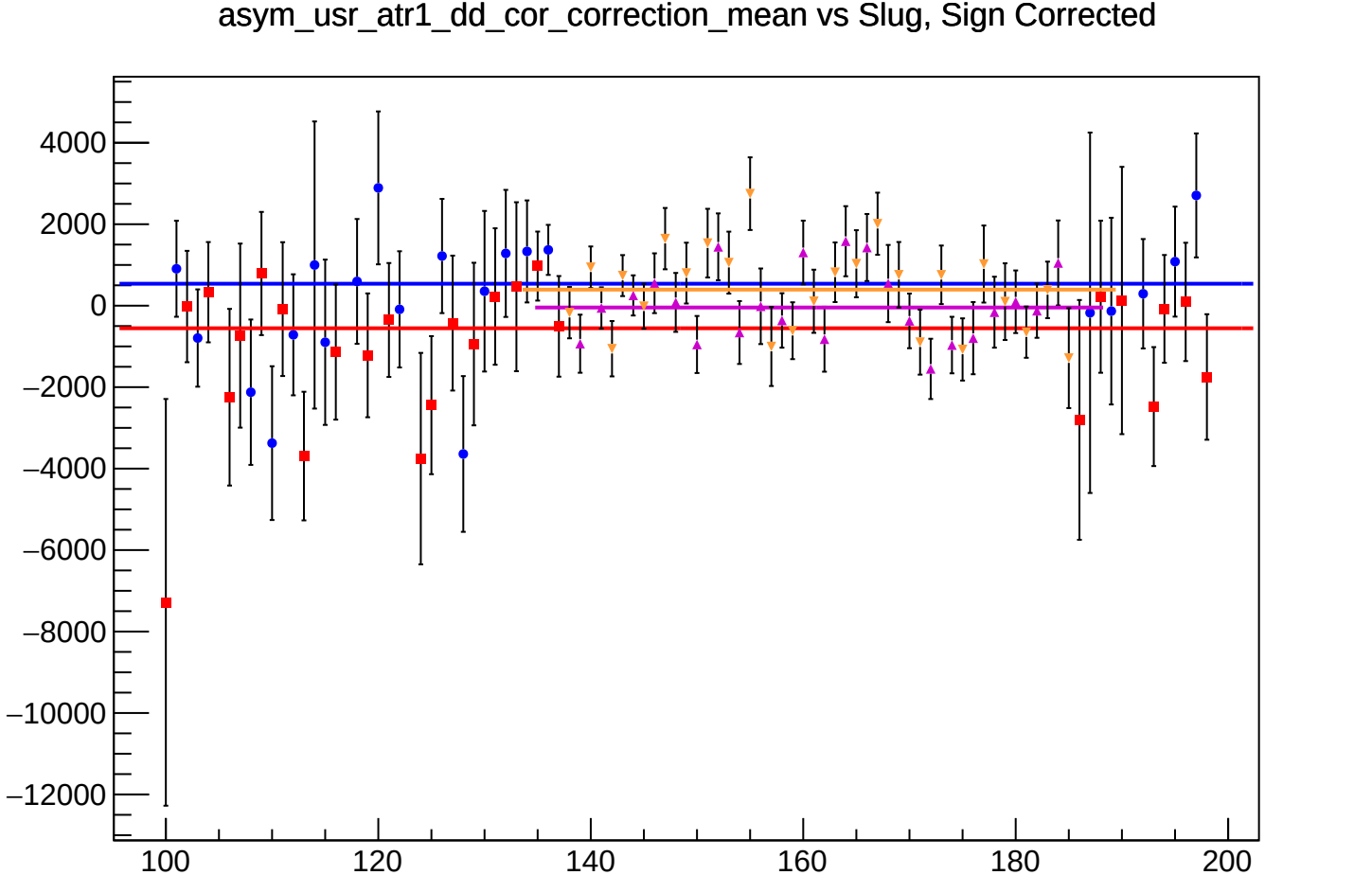
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1349.739+/-0.201 χ^2/NDF: 920226.3/46

In: 1330.961+/-0.176 χ^2/NDF:770687.9/43

Out: 1332.236+/-0.167 χ^2/NDF:168463.9/50

All: 1331.630+/-0.121 χ^2/NDF: 939179.4/94



Right In: 538.974+/-308.480 χ^2/NDF: 20.7/20

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -554.356+/-311.001 χ^2/NDF: 18.2/25

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

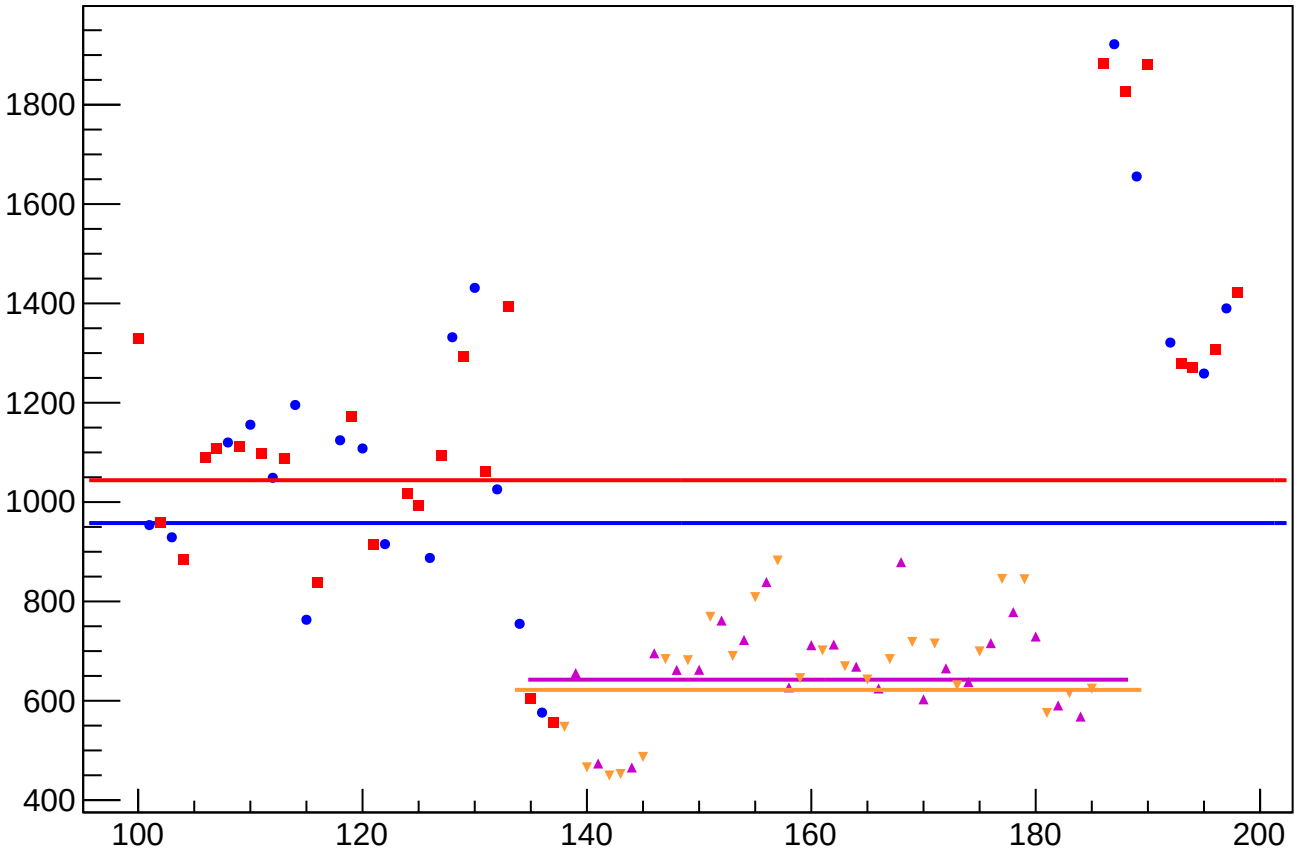
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: -3.241+/-219.014 χ^2/NDF: 45.1/46

In: 69.674+/-136.586 χ^2/NDF:51.2/43

Out: 225.930+/-131.092 χ^2/NDF:67.7/50

All: 151.008+/-94.578 χ^2/NDF: 119.6/94



Right In: 957.801+/-0.218 χ^2/NDF: 1825546.7/20

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1044.034+/-0.220 χ^2/NDF: 2002799.7/25

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

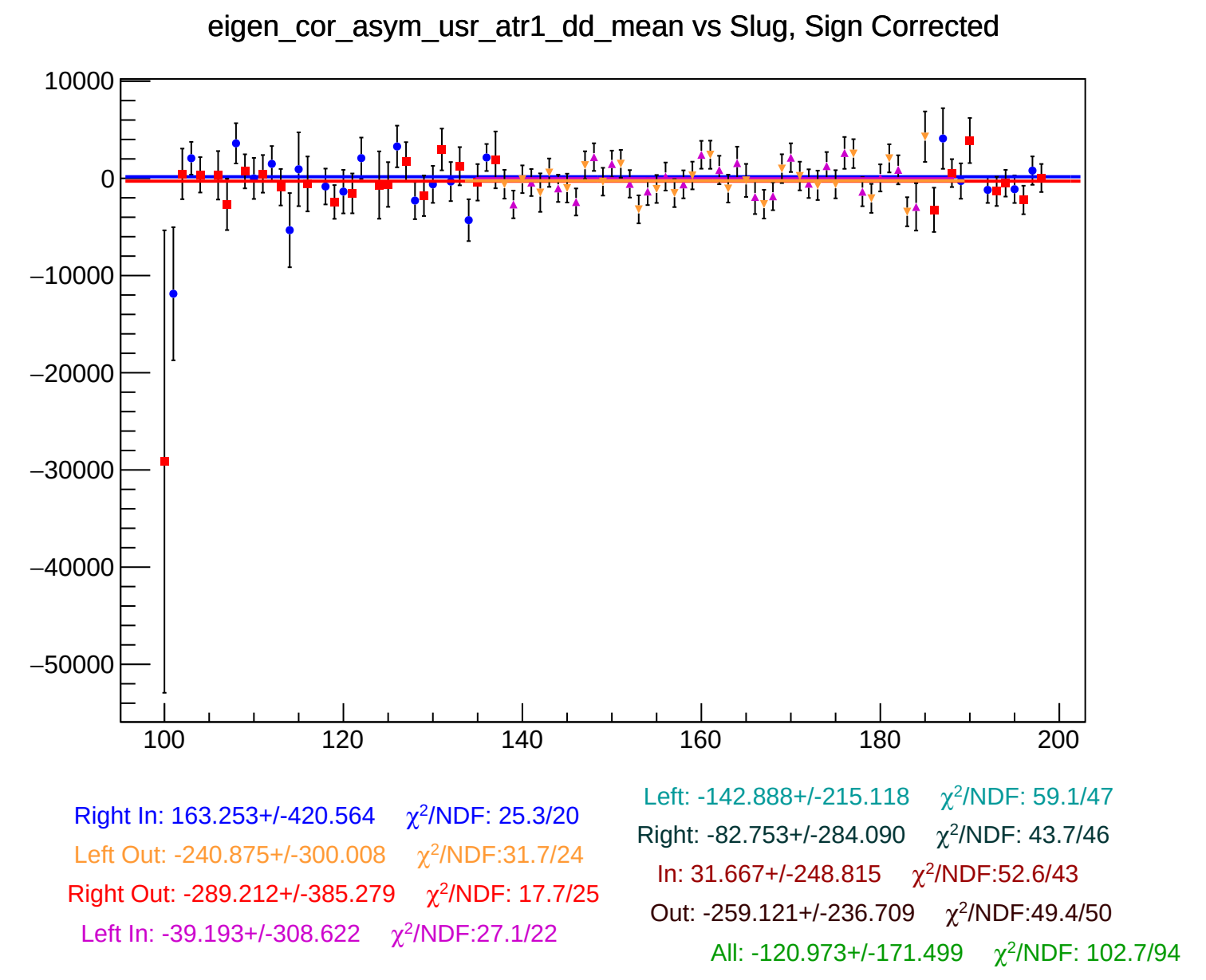
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 1000.566+/-0.155 χ^2/NDF: 3905853.8/46

In: 704.285+/-0.097 χ^2/NDF:4432090.1/43

Out: 696.944+/-0.093 χ^2/NDF:6415500.5/50

All: 700.464+/-0.067 χ^2/NDF: 10850598.5/94


eigen_cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
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−30000
−40000
−50000
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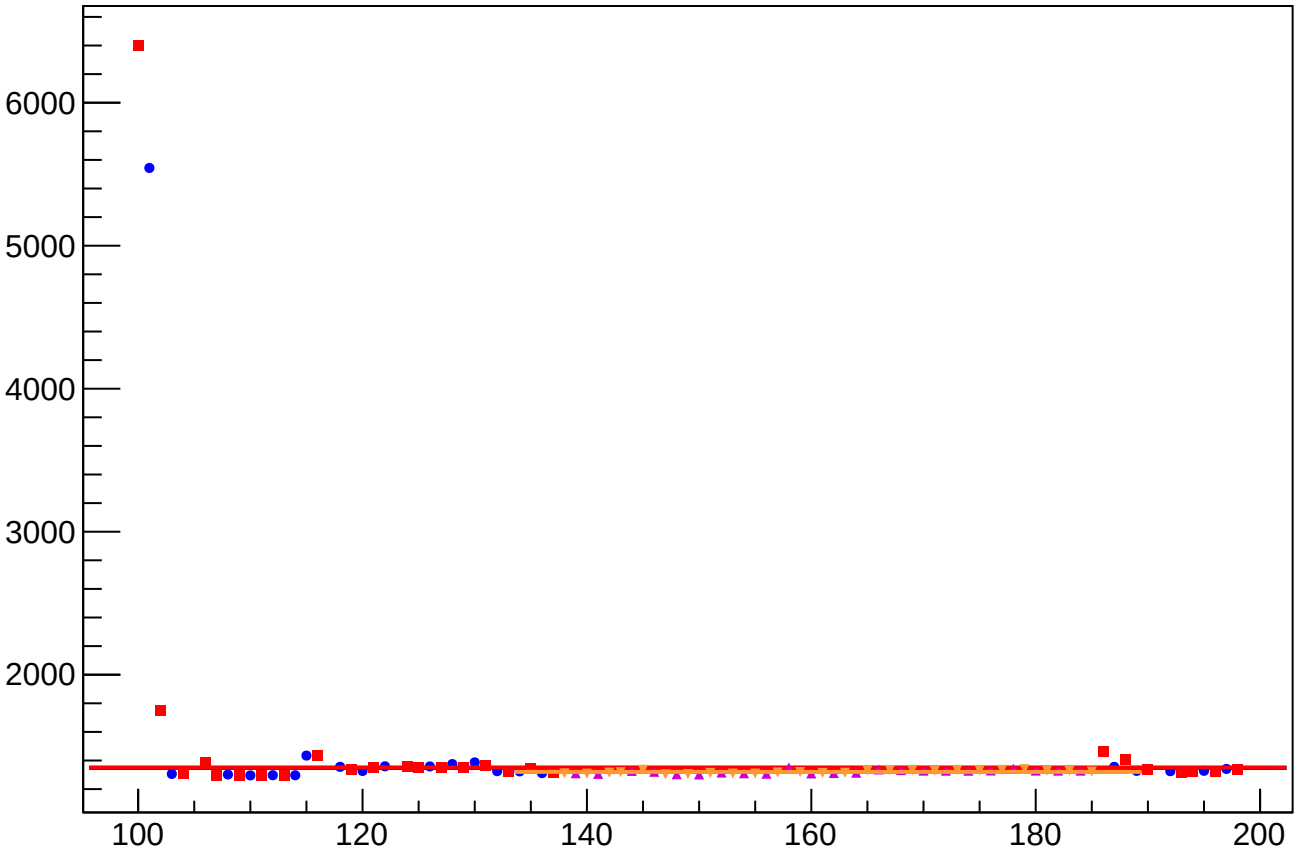
180
200
Right In: 163.253+/-420.564 χ²/NDF: 25.3/20
Left Out: -240.875+/-300.008 χ²/NDF:31.7/24
Right Out: -289.212+/-385.279 χ²/NDF: 17.7/25
Left In: -39.193+/-308.622 χ²/NDF:27.1/22
Left: -142.888+/-215.118 χ²/NDF: 59.1/47
Right: -82.753+/-284.090 χ²/NDF: 43.7/46
In: 31.667+/-248.815 χ²/NDF:52.6/43
Out: -259.121+/-236.709 χ²/NDF:49.4/50
All: -120.973+/-171.499 χ²/NDF: 102.7/94



Right In: 1348.004+/-0.297 χ^2/NDF: 762081.2/20

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1351.194+/-0.272 χ^2/NDF: 158082.5/25

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

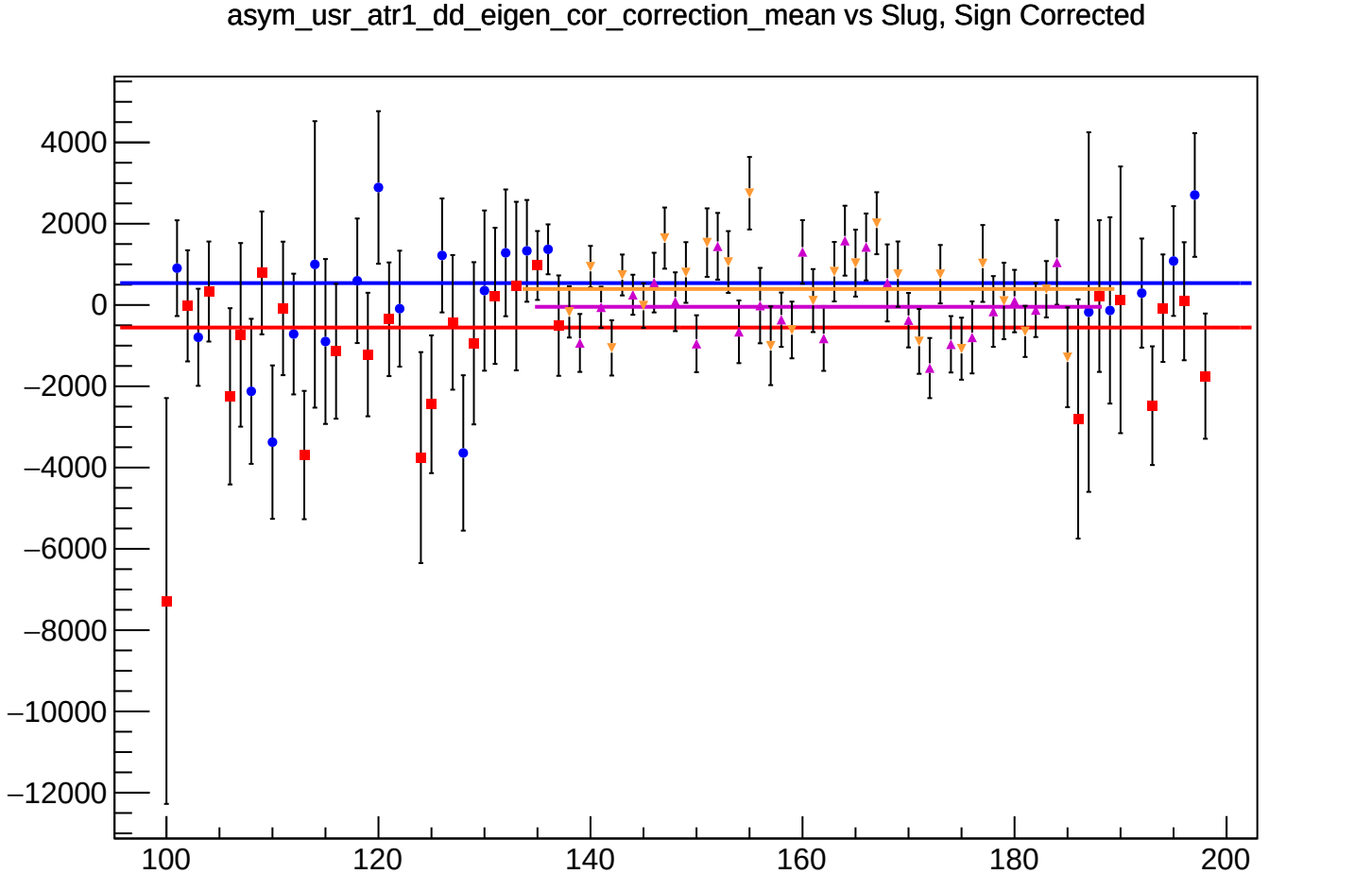
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1349.739+/-0.201 χ^2/NDF: 920226.3/46

In: 1330.961+/-0.176 χ^2/NDF:770687.9/43

Out: 1332.236+/-0.167 χ^2/NDF:168463.9/50

All: 1331.630+/-0.121 χ^2/NDF: 939179.4/94


asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
4000
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−8000
−10000
−12000
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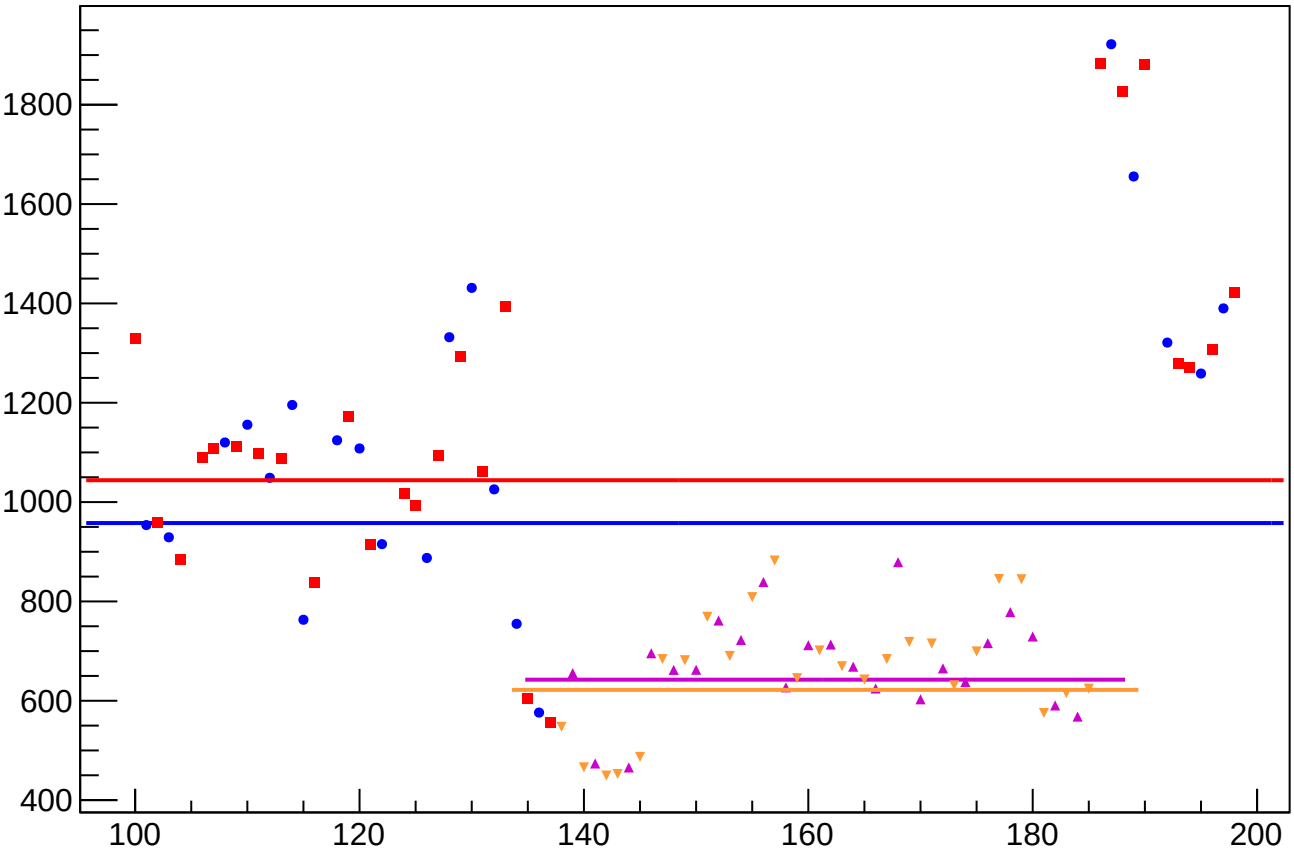
180
200
Right In: 538.974+/-308.480 χ²/NDF: 20.7/20
Left Out: 394.522+/-144.562 χ²/NDF:41.8/24
Right Out: -554.356+/-311.001 χ²/NDF: 18.2/25
Left In: -44.766+/-152.332 χ²/NDF:27.6/22
Left: 186.367+/-104.860 χ²/NDF: 73.8/47
Right: -3.241+/-219.014 χ²/NDF: 45.1/46
In: 69.674+/-136.586 χ²/NDF:51.2/43
Out: 225.930+/-131.092 χ²/NDF:67.7/50
All: 151.008+/-94.578 χ²/NDF: 119.6/94



Right In: 957.801+/-0.218 χ^2/NDF: 1825546.7/20

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1044.034+/-0.220 χ^2/NDF: 2002799.7/25

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

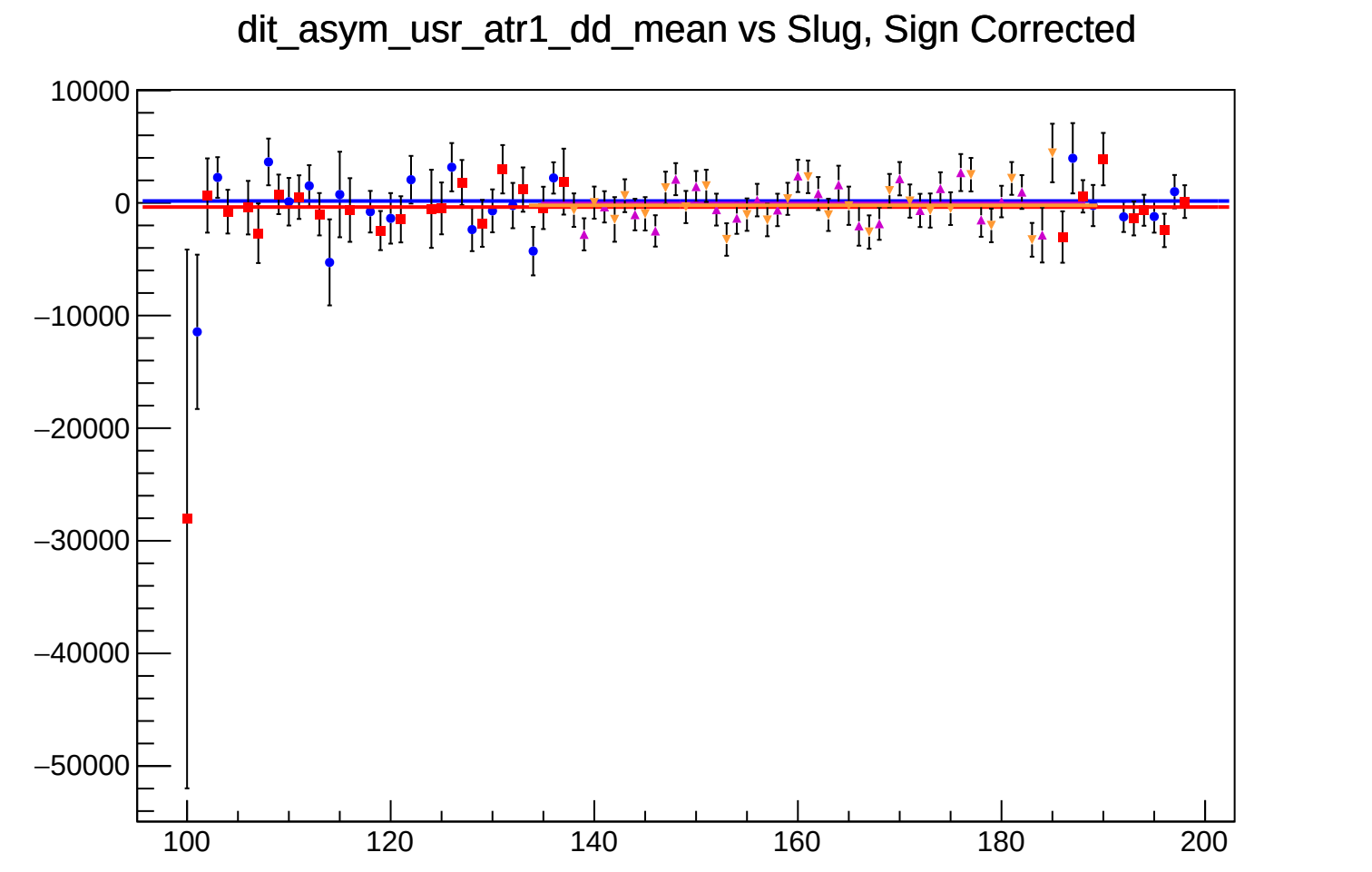
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 1000.566+/-0.155 χ^2/NDF: 3905853.8/46

In: 704.285+/-0.097 χ^2/NDF:4432090.1/43

Out: 696.944+/-0.093 χ^2/NDF:6415500.5/50

All: 700.464+/-0.067 χ^2/NDF: 10850598.5/94



Right In: 169.627+/-423.144 χ^2/NDF: 25.4/20

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: -367.686+/-388.246 χ^2/NDF: 17.8/25

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

Left: -134.966+/-215.379 χ^2/NDF: 59.2/47

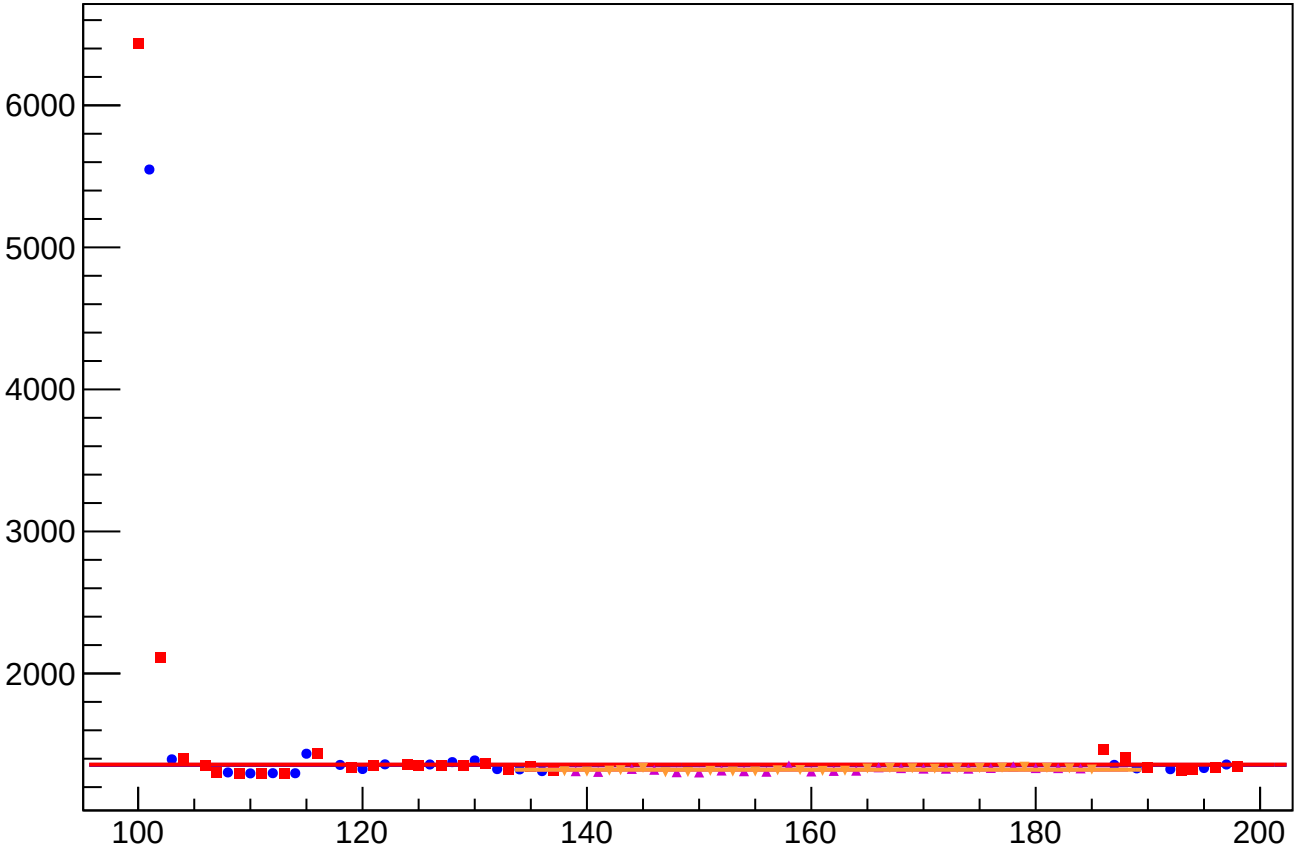
Right: -122.096+/-286.074 χ^2/NDF: 44.1/46

In: 26.222+/-249.539 χ^2/NDF:53.4/43

Out: -272.194+/-237.576 χ^2/NDF:49.2/50

All: -130.310+/-172.065 χ^2/NDF: 103.4/94

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1356.259+/-0.299 χ^2/NDF: 761376.5/20

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1358.439+/-0.275 χ^2/NDF: 215672.5/25

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

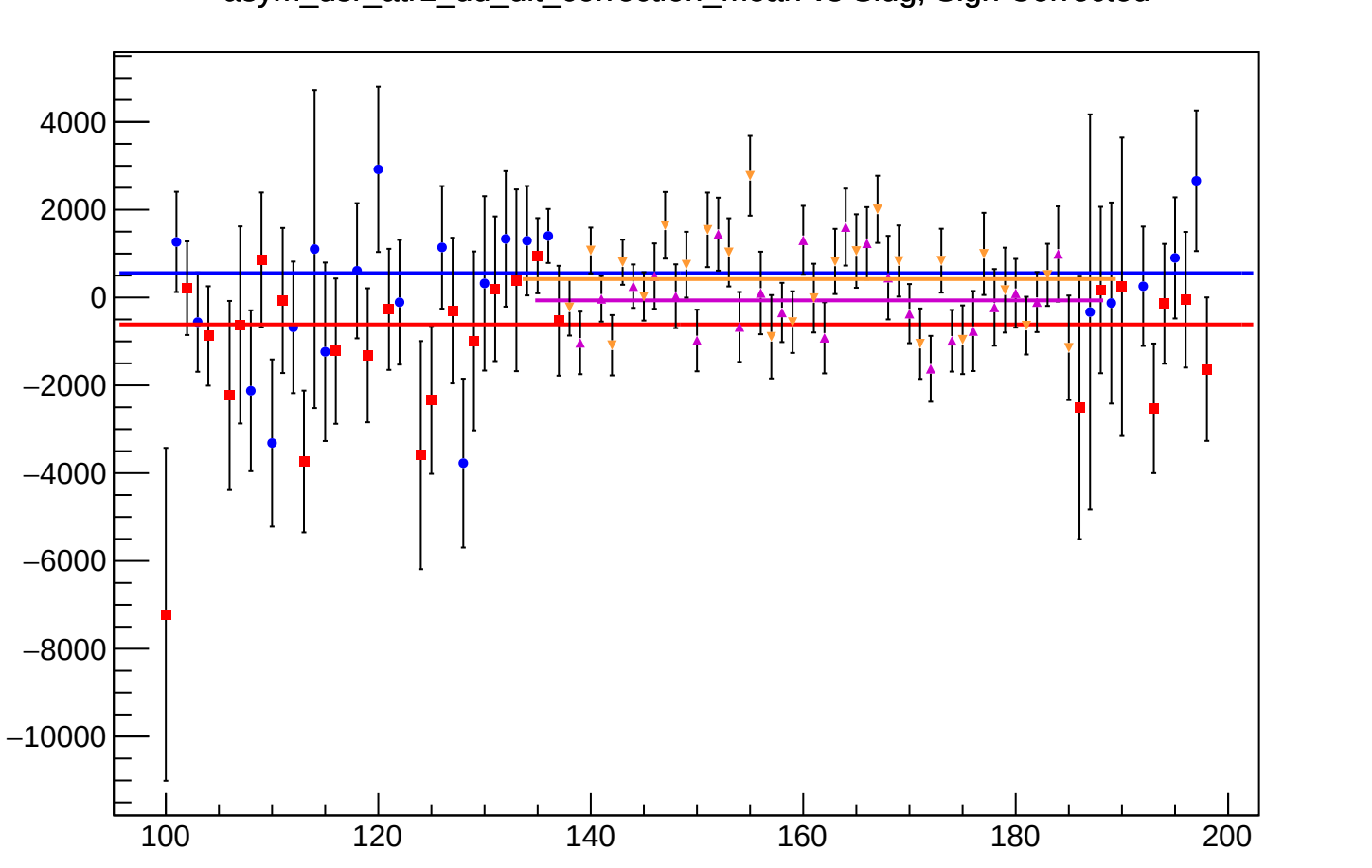
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1357.443+/-0.202 χ^2/NDF: 977077.8/46

In: 1334.787+/-0.176 χ^2/NDF:773129.2/43

Out: 1335.875+/-0.168 χ^2/NDF:229403.4/50

All: 1335.358+/-0.122 χ^2/NDF: 1002552.5/94



Right In: 555.881+/-308.220 χ^2/NDF: 20.6/20

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -613.353+/-306.934 χ^2/NDF: 18.6/25

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

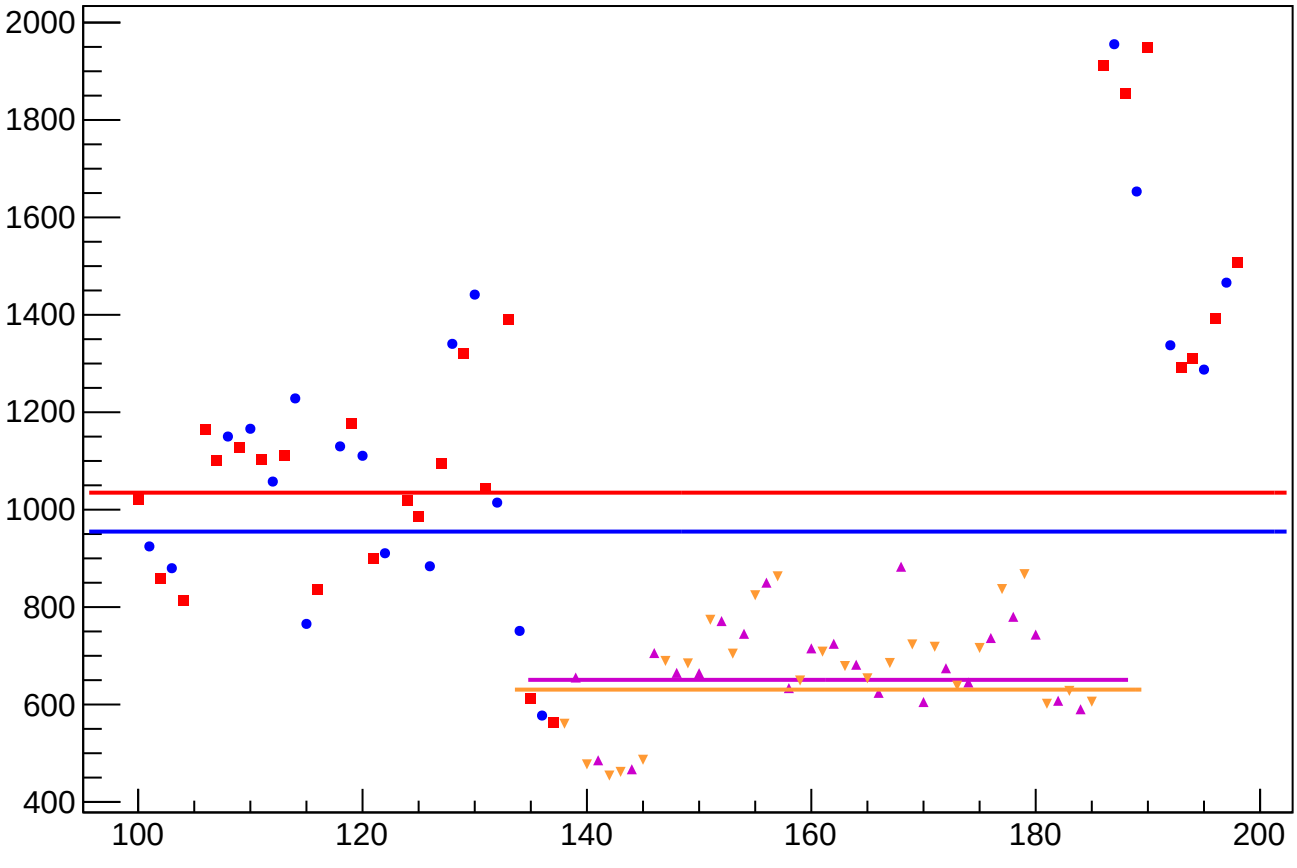
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

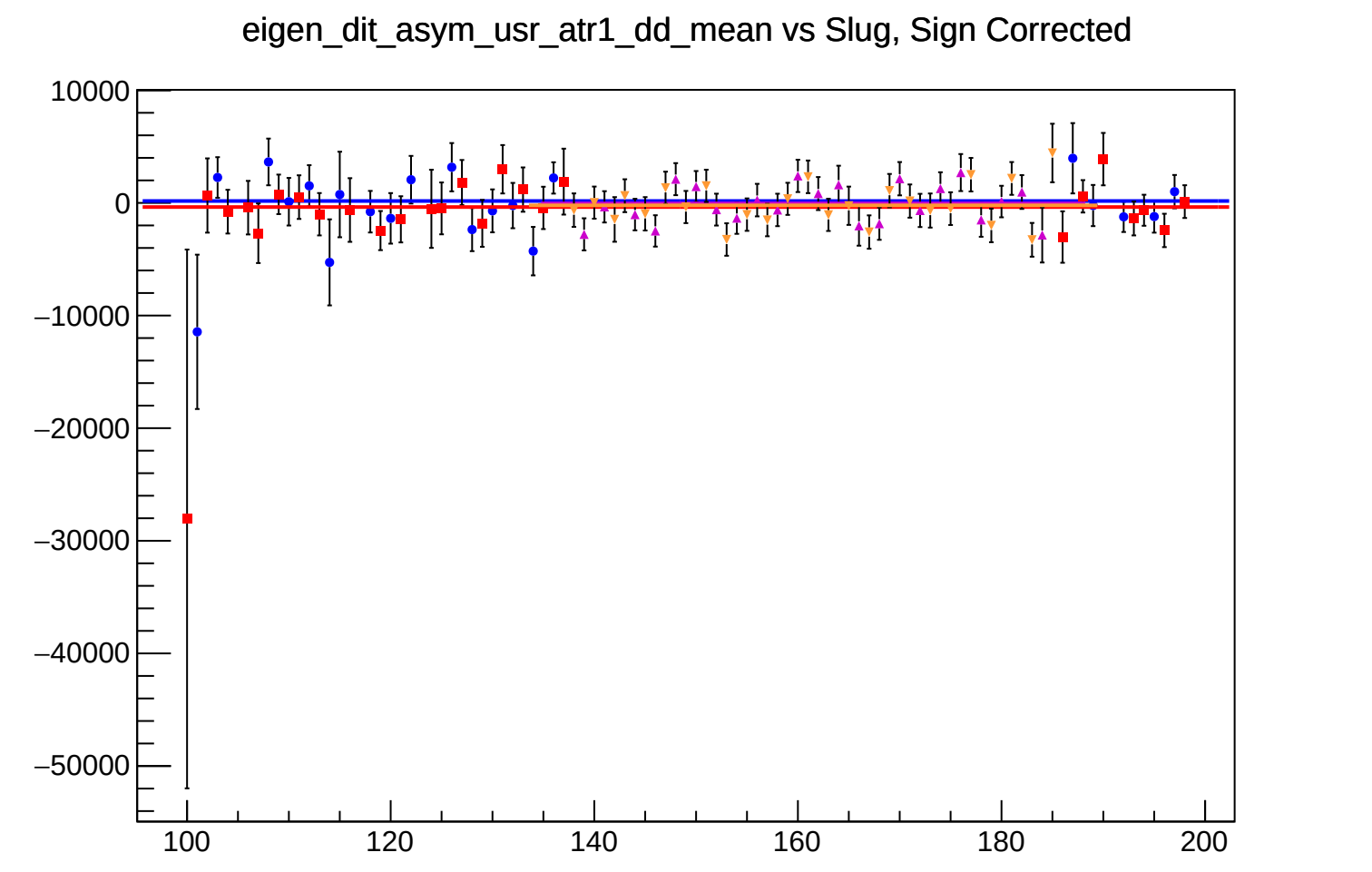
Right: -31.180+/-217.488 χ^2/NDF: 46.5/46

In: 59.000+/-137.922 χ^2/NDF:50.9/43

Out: 228.319+/-132.165 χ^2/NDF:69.4/50

All: 147.267+/-95.425 χ^2/NDF: 121.1/94


asym_usr_atr1_dd_dit_correction_rms vs Slug, Sign Corrected
2000
1800
1600
1400
1200
1000
800
600
400
100
120
140
160
180
200
Right In: 955.016+/-0.218 χ²/NDF: 1916128.5/20
Left Out: 630.592+/-0.104 χ²/NDF:1328590.6/24
Right Out: 1034.912+/-0.217 χ²/NDF: 2204411.7/25
Left In: 650.637+/-0.109 χ²/NDF:922078.1/22
Left: 640.095+/-0.075 χ²/NDF: 2268436.2/47
Right: 995.131+/-0.154 χ²/NDF: 4188015.5/46
In: 711.585+/-0.098 χ²/NDF:4398119.9/43
Out: 705.558+/-0.093 χ²/NDF:6360024.4/50
All: 708.443+/-0.067 χ²/NDF: 10760135.0/94



Right In: 169.626+/-423.144 χ^2/NDF: 25.4/20

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: -367.684+/-388.246 χ^2/NDF: 17.8/25

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

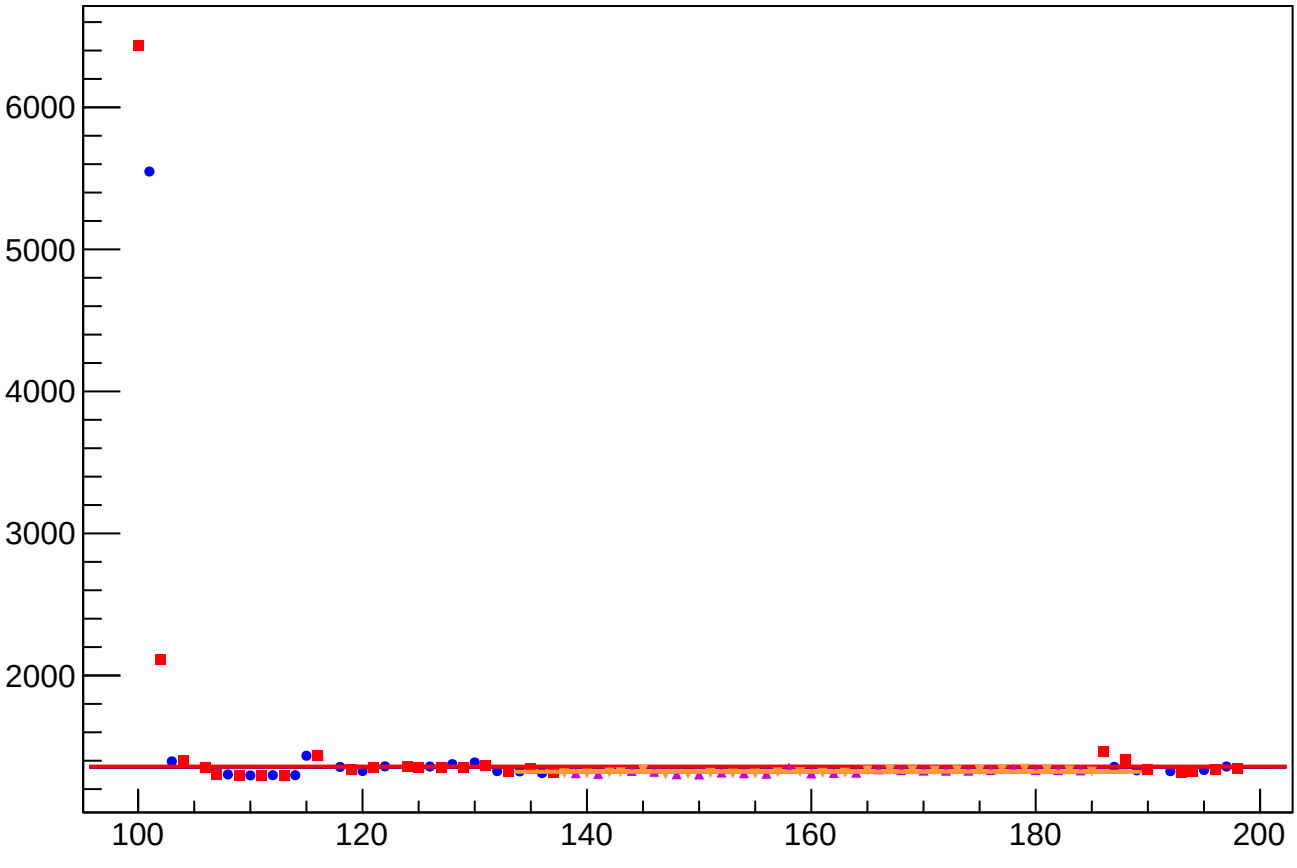
Left: -134.967+/-215.379 χ^2/NDF: 59.2/47

Right: -122.096+/-286.074 χ^2/NDF: 44.1/46

In: 26.221+/-249.539 χ^2/NDF:53.4/43

Out: -272.194+/-237.576 χ^2/NDF:49.2/50

All: -130.311+/-172.065 χ^2/NDF: 103.4/94



Right In: 1356.259+/-0.299 χ^2/NDF: 761376.5/20

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1358.439+/-0.275 χ^2/NDF: 215672.4/25

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

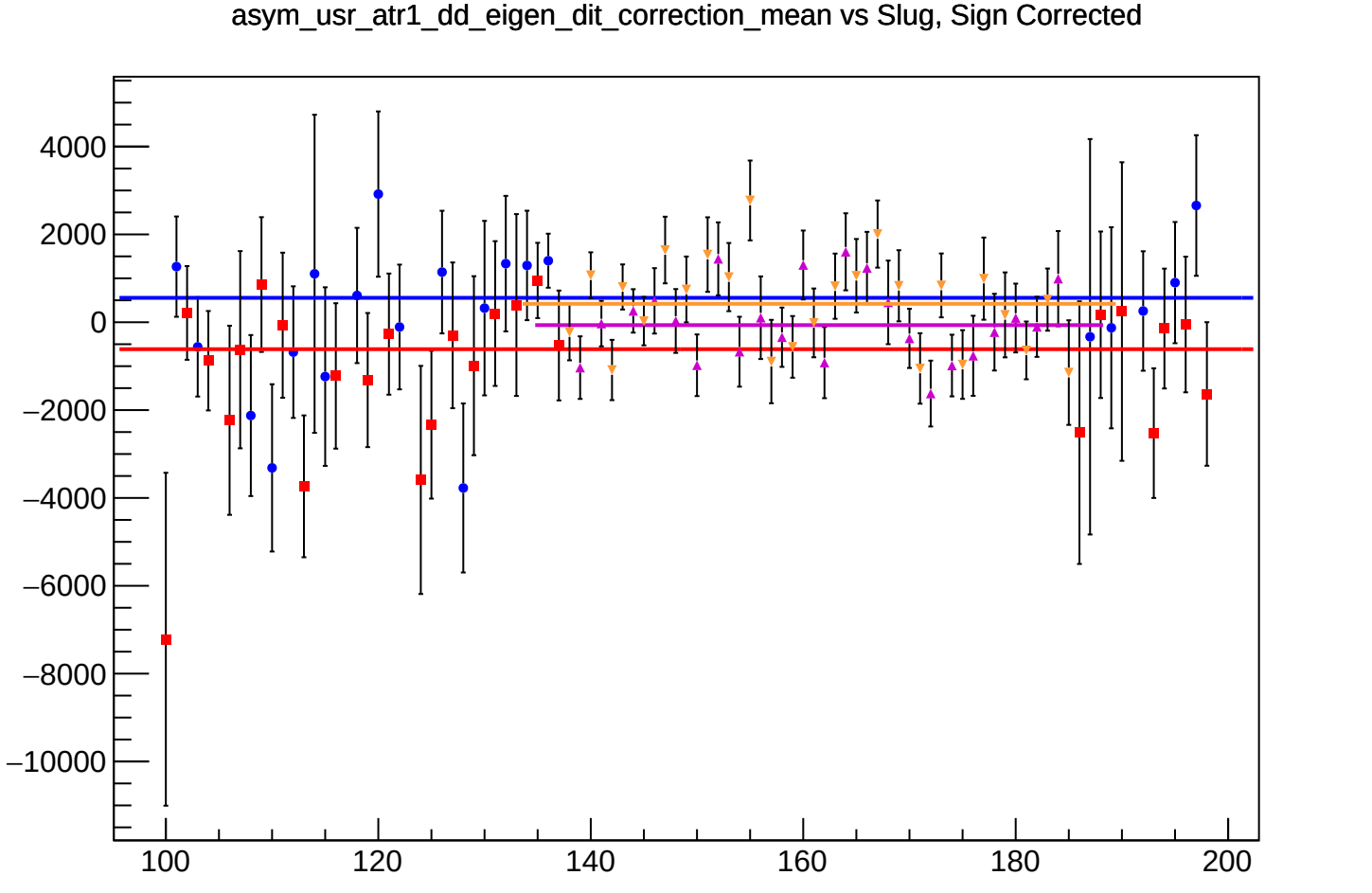
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1357.443+/-0.202 χ^2/NDF: 977077.7/46

In: 1334.787+/-0.176 χ^2/NDF:773129.1/43

Out: 1335.875+/-0.168 χ^2/NDF:229403.3/50

All: 1335.358+/-0.122 χ^2/NDF: 1002552.4/94


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
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−2000
−4000
−6000
−8000
−10000
100
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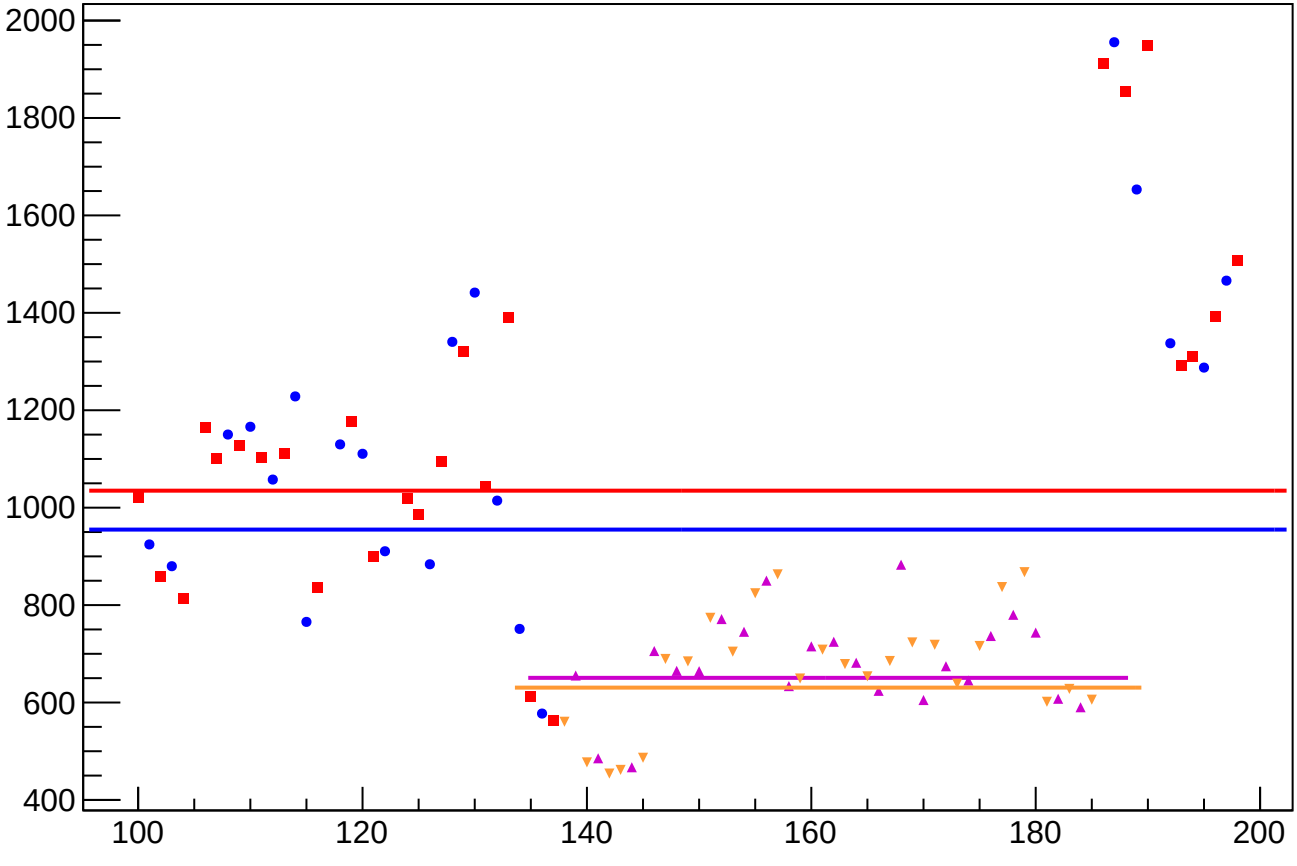
140
160
180
200
Right In: 555.879+/-308.219 χ²/NDF: 20.6/20
Left Out: 419.899+/-146.436 χ²/NDF:41.5/24
Right Out: -613.353+/-306.933 χ²/NDF: 18.6/25
Left In: -65.405+/-154.225 χ²/NDF:27.0/22
Left: 189.810+/-106.193 χ²/NDF: 73.8/47
Right: -31.181+/-217.488 χ²/NDF: 46.5/46
In: 59.000+/-137.922 χ²/NDF:50.9/43
Out: 228.319+/-132.165 χ²/NDF:69.4/50
All: 147.267+/-95.425 χ²/NDF: 121.1/94

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 955.013+/-0.218 χ^2/NDF: 1916128.9/20

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 1034.910+/-0.217 χ^2/NDF: 2204413.1/25

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

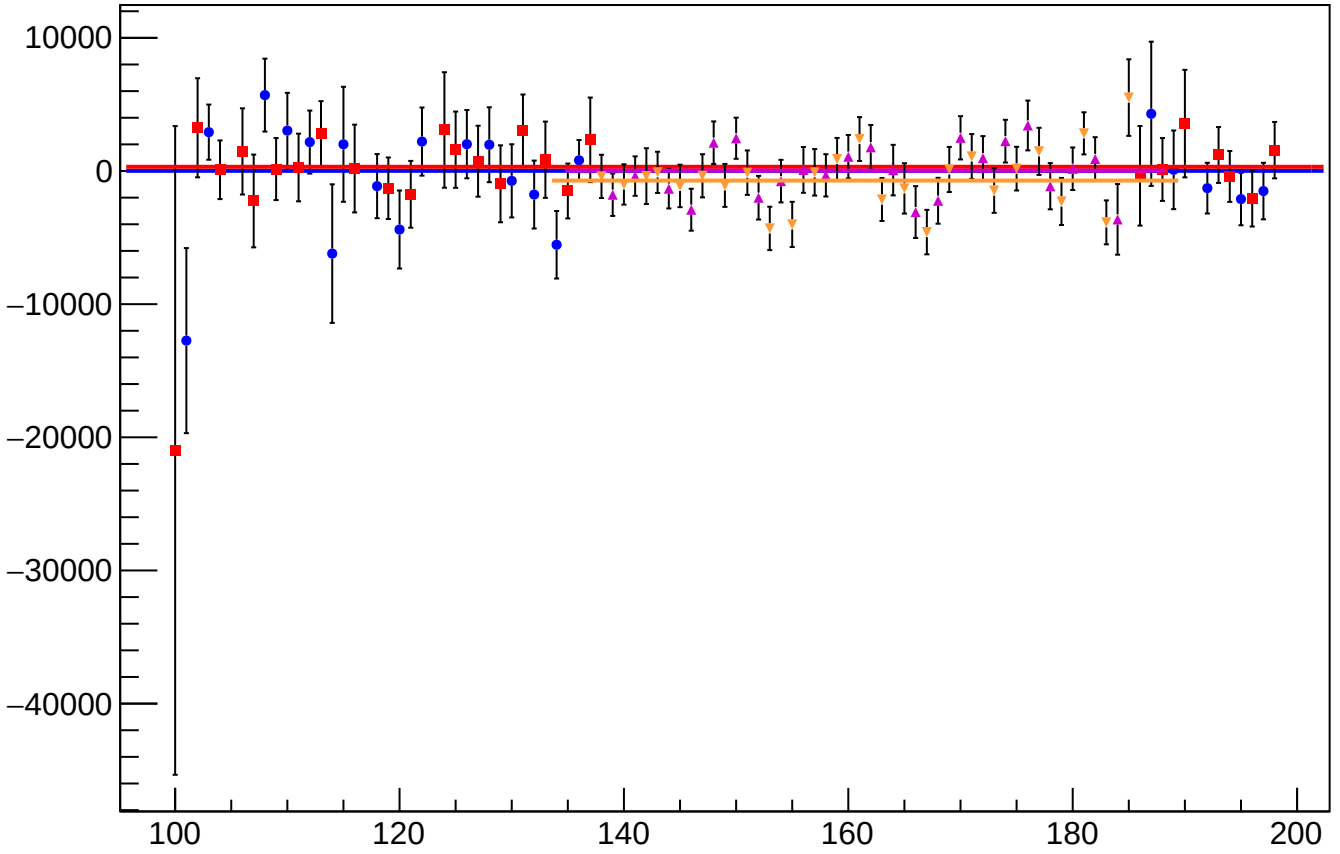
Right: 995.129+/-0.154 χ^2/NDF: 4188018.4/46

In: 711.586+/-0.098 χ^2/NDF:4398098.0/43

Out: 705.559+/-0.093 χ^2/NDF:6360017.0/50

All: 708.444+/-0.067 χ^2/NDF: 10760105.8/94

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 14.172+/-552.392 χ^2/NDF: 26.0/20

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: 317.163+/-520.218 χ^2/NDF: 10.0/25

Left In: 27.514+/-347.415 χ^2/NDF:28.0/22

Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

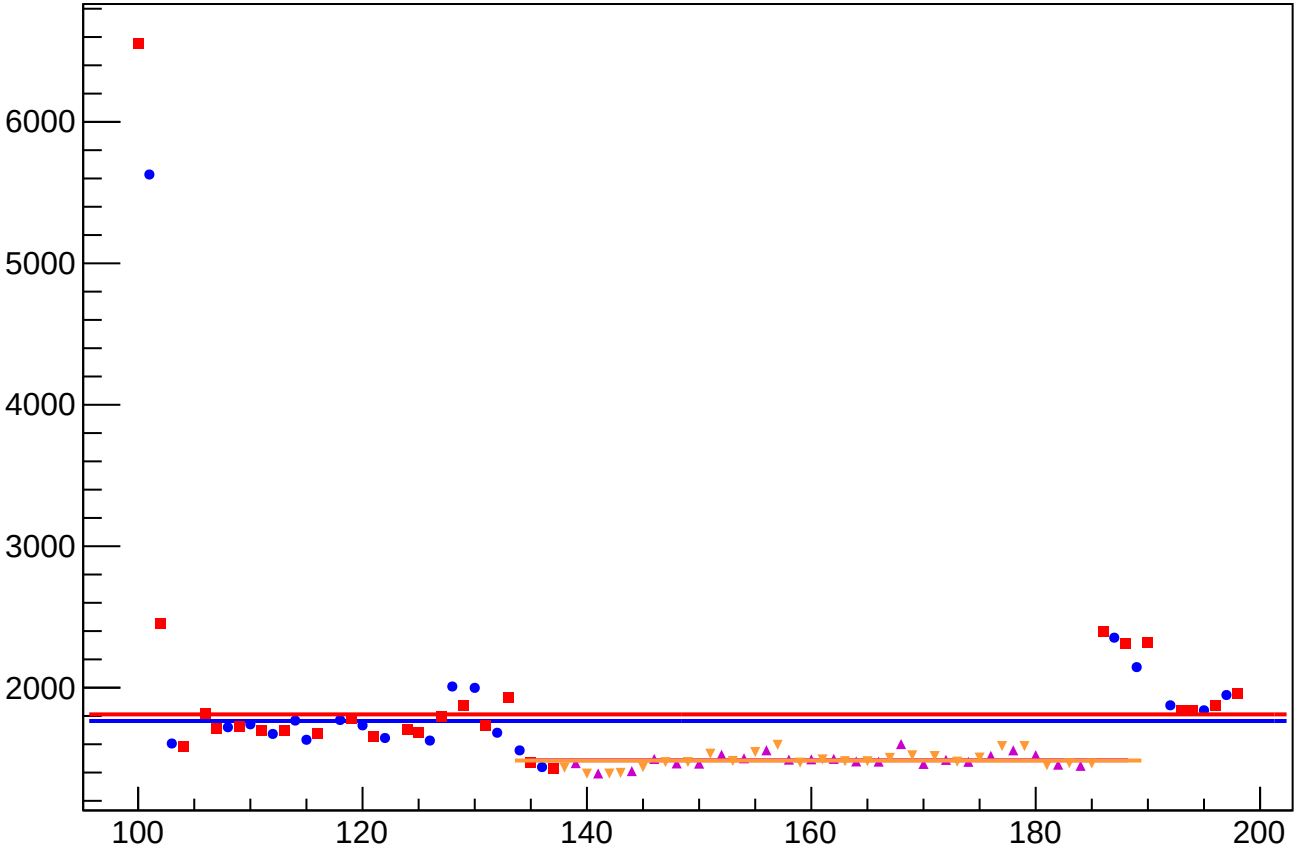
Right: 174.748+/-378.713 χ^2/NDF: 36.1/46

In: 23.733+/-294.087 χ^2/NDF:53.9/43

Out: -411.470+/-283.180 χ^2/NDF:50.5/50

All: -202.089+/-203.985 χ^2/NDF: 105.6/94

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1764.464+/-0.391 χ^2/NDF: 863804.9/20

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1811.185+/-0.368 χ^2/NDF: 458106.4/25

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

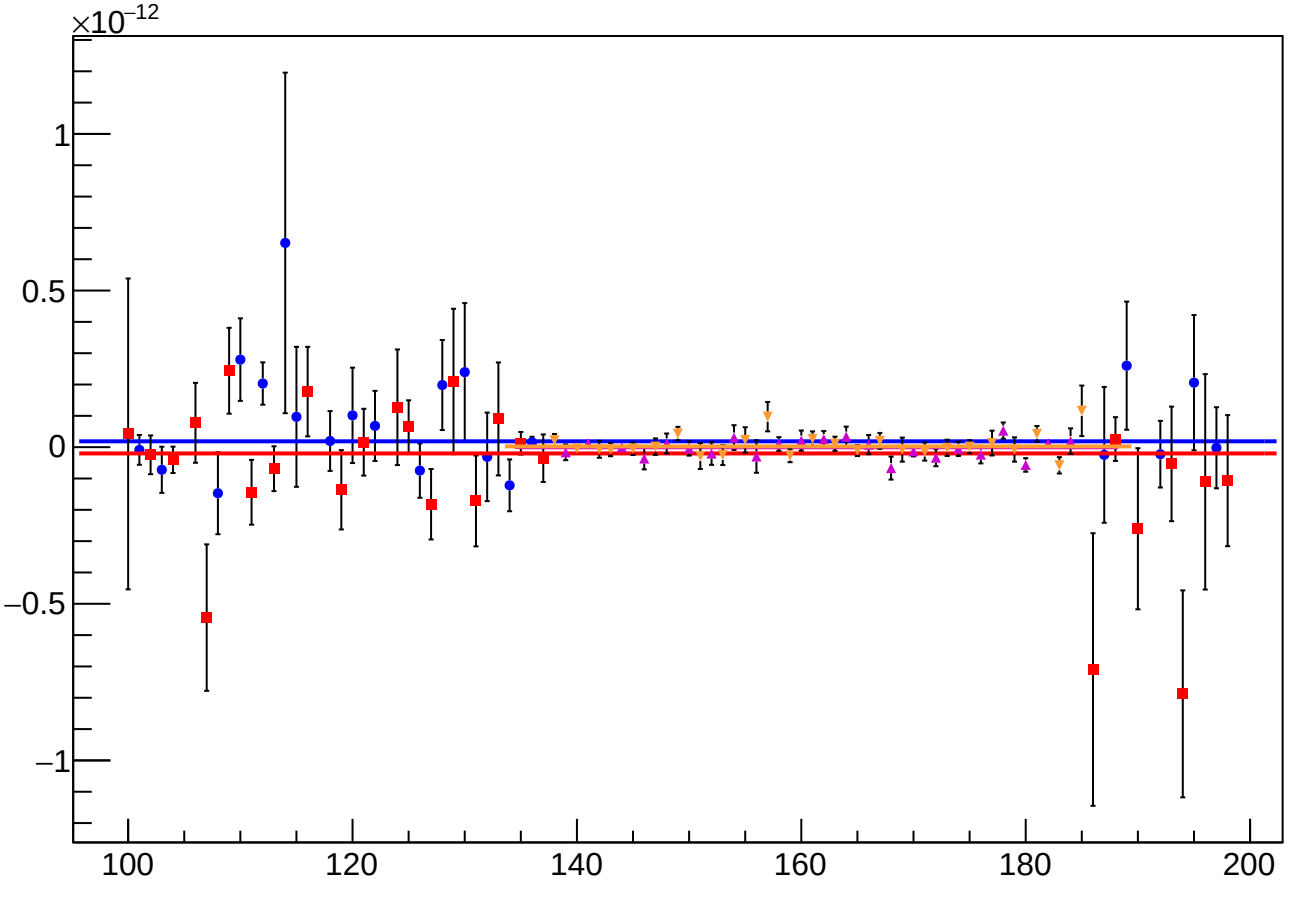
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1789.225+/-0.268 χ^2/NDF: 1329493.9/46

In: 1565.724+/-0.208 χ^2/NDF:1259907.0/43

Out: 1581.626+/-0.200 χ^2/NDF:1062453.4/50

All: 1573.975+/-0.144 χ^2/NDF: 2325394.7/94



Right In: 0.000+/-0.000 χ^2/NDF: 25.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.8/25

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

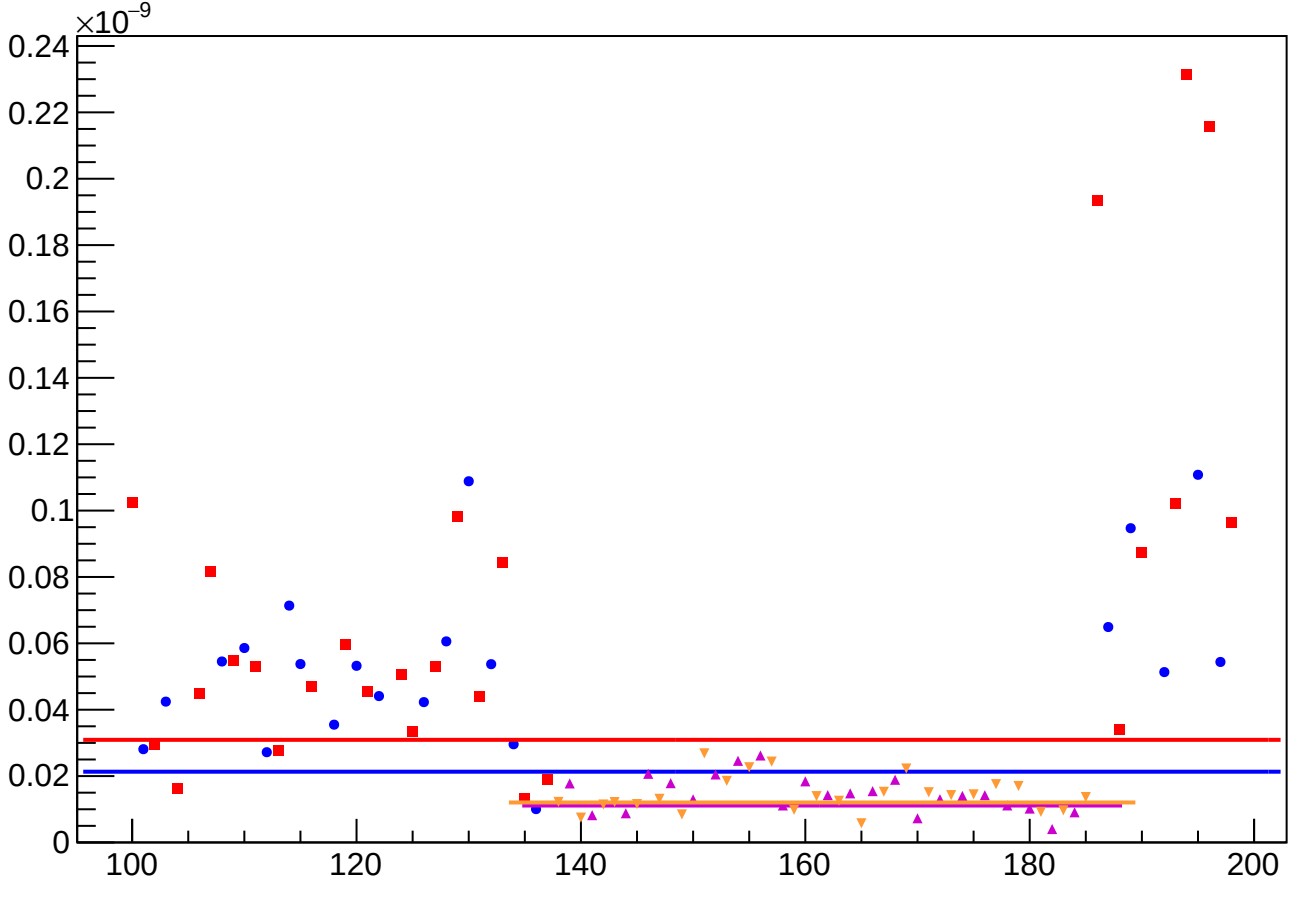
Right: 0.000+/-0.000 χ^2/NDF: 59.6/46

In: 0.000+/-0.000 χ^2/NDF:52.5/43

Out: 0.000+/-0.000 χ^2/NDF:57.7/50

All: 0.000+/-0.000 χ^2/NDF: 110.2/94

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3280866.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3907538.1/25

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

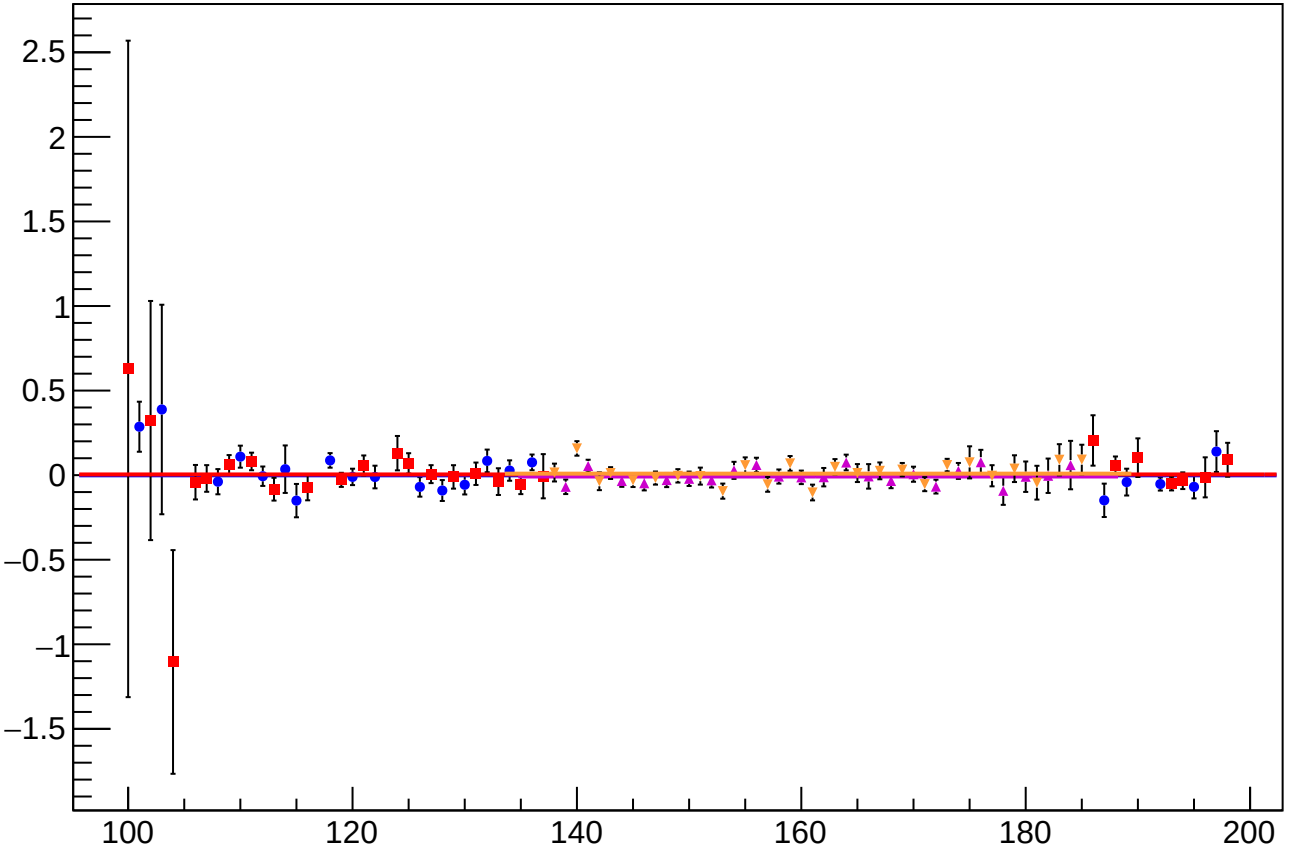
Right: 0.000+/-0.000 χ^2/NDF: 7538062.8/46

In: 0.000+/-0.000 χ^2/NDF:6429687.6/43

Out: 0.000+/-0.000 χ^2/NDF:7439537.1/50

All: 0.000+/-0.000 χ^2/NDF: 13929477.2/94

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.014 χ^2/NDF: 29.6/20

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.004+/-0.013 χ^2/NDF: 21.8/25

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

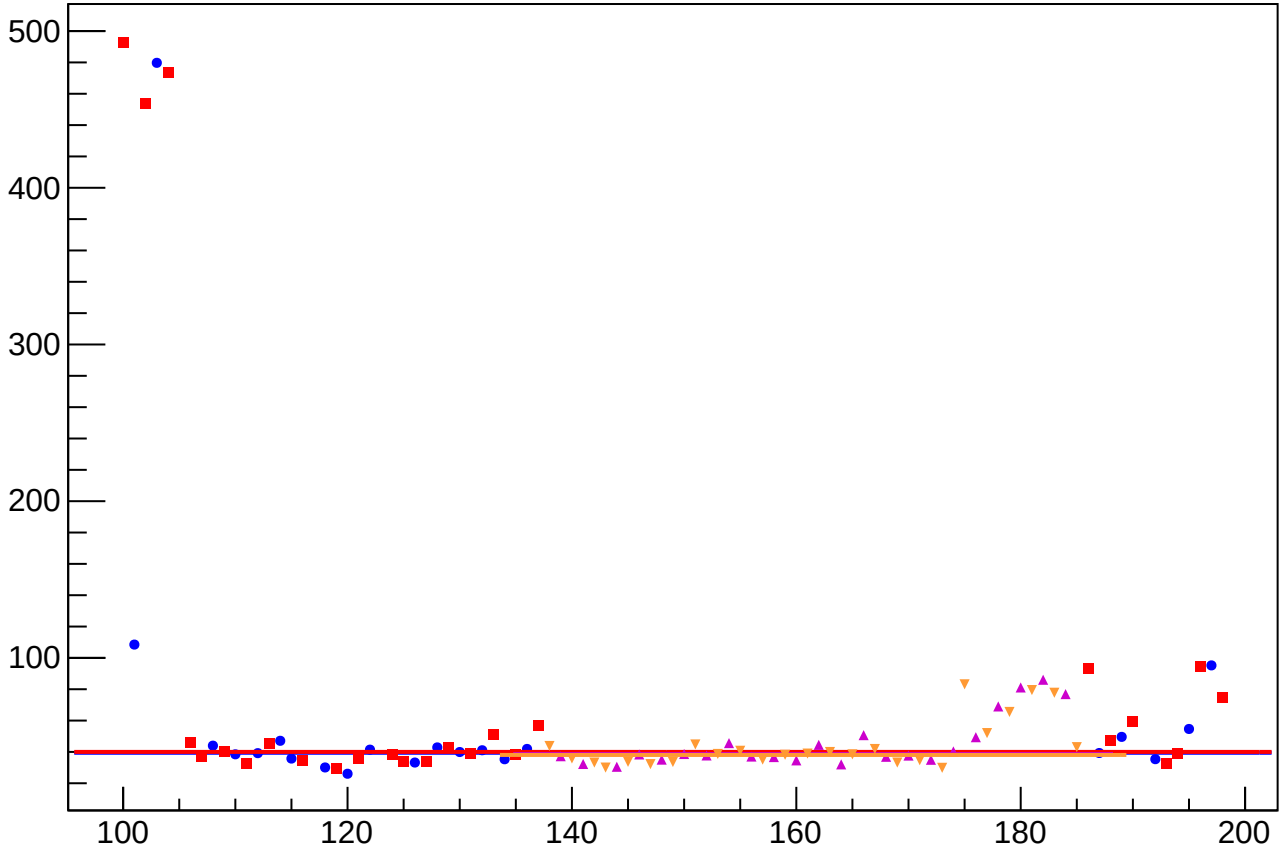
Right: 0.002+/-0.010 χ^2/NDF: 51.4/46

In: -0.006+/-0.008 χ^2/NDF:48.6/43

Out: 0.007+/-0.008 χ^2/NDF:60.4/50

All: 0.001+/-0.006 χ^2/NDF: 110.4/94

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.458+/-0.010 χ^2/NDF: 2339763.8/20

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 40.009+/-0.009 χ^2/NDF: 3084254.7/25

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

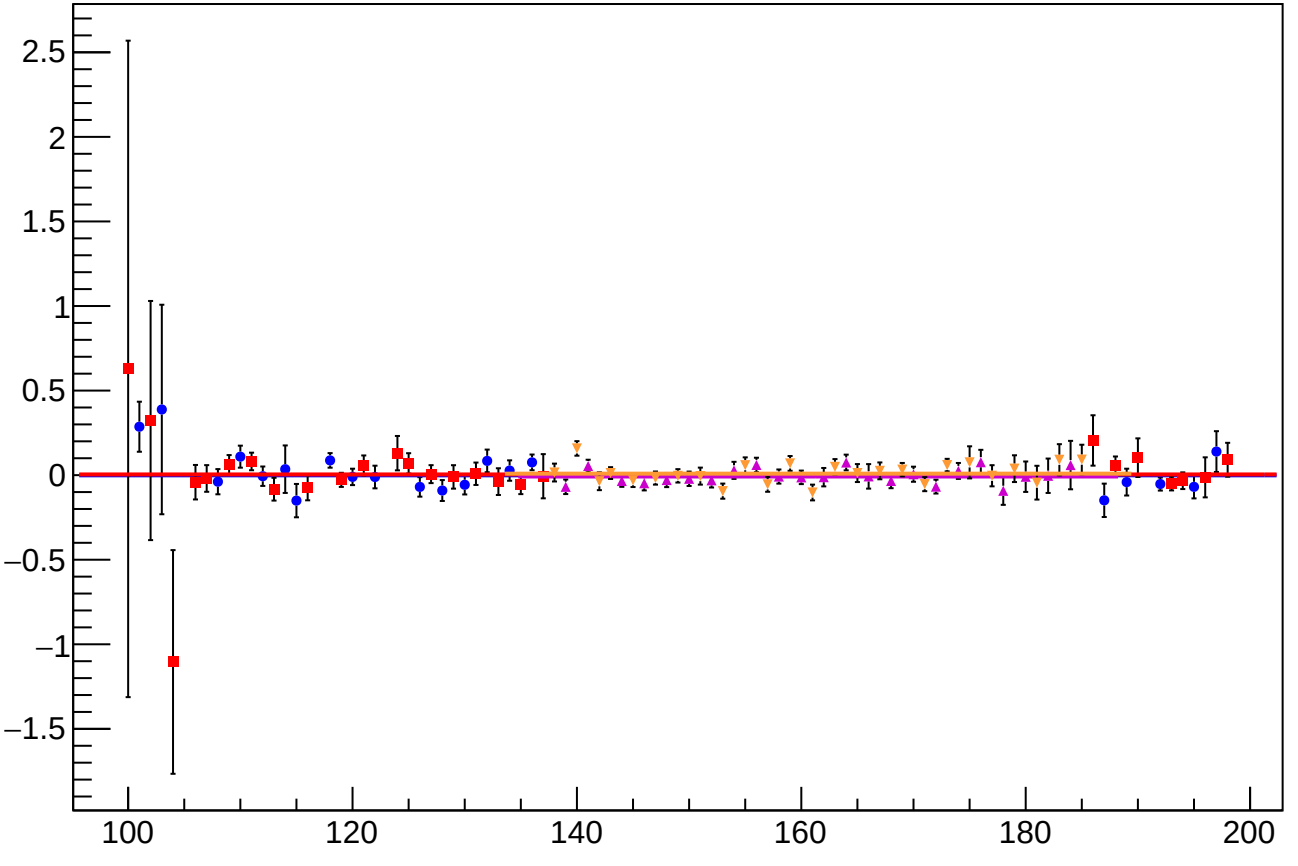
Right: 39.745+/-0.007 χ^2/NDF: 5425644.1/46

In: 38.908+/-0.006 χ^2/NDF:4072124.7/43

Out: 38.724+/-0.006 χ^2/NDF:5079239.6/50

All: 38.813+/-0.004 χ^2/NDF: 9151902.8/94

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.014 χ^2/NDF: 29.6/20

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.004+/-0.013 χ^2/NDF: 21.8/25

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

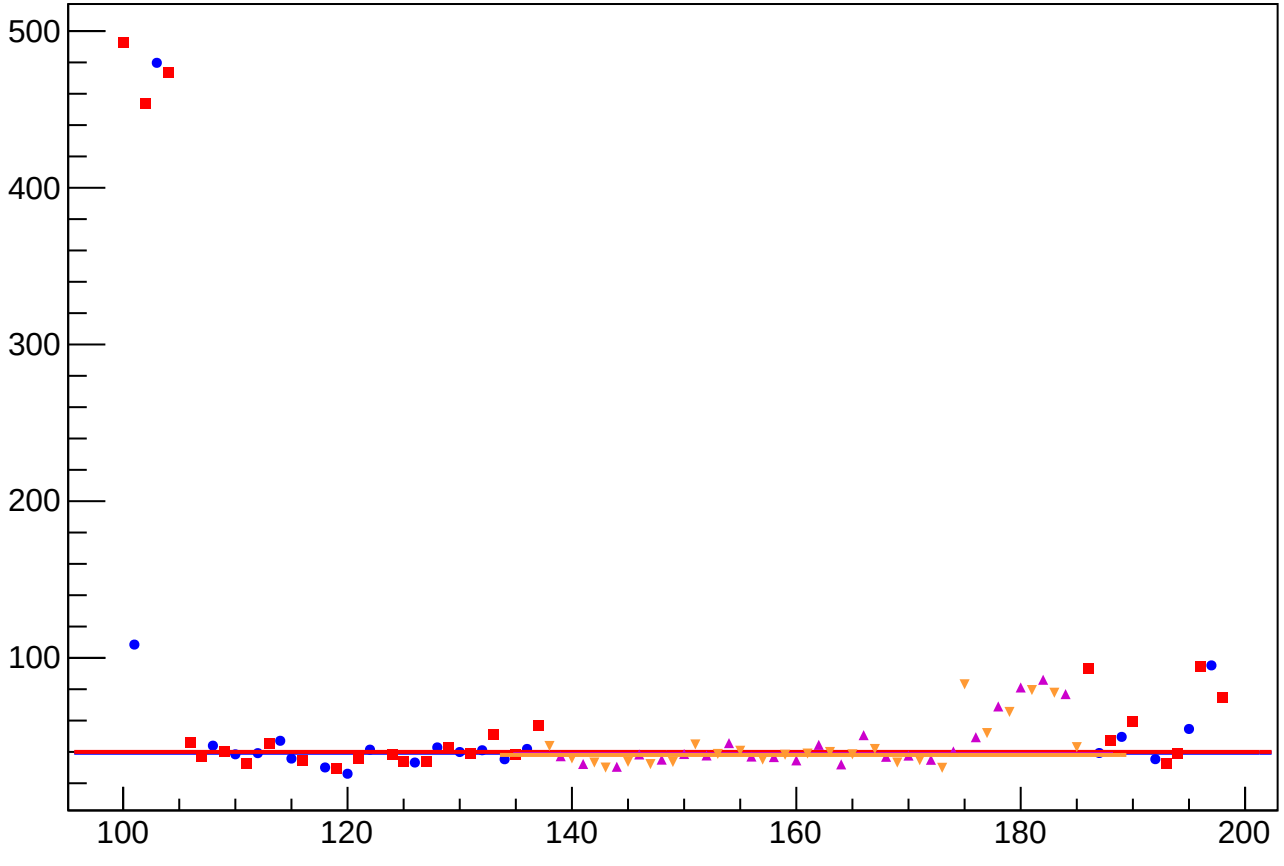
Right: 0.002+/-0.010 χ^2/NDF: 51.4/46

In: -0.006+/-0.008 χ^2/NDF:48.6/43

Out: 0.007+/-0.008 χ^2/NDF:60.4/50

All: 0.001+/-0.006 χ^2/NDF: 110.4/94

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.458+/-0.010 χ^2/NDF: 2339763.8/20

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 40.009+/-0.009 χ^2/NDF: 3084254.7/25

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

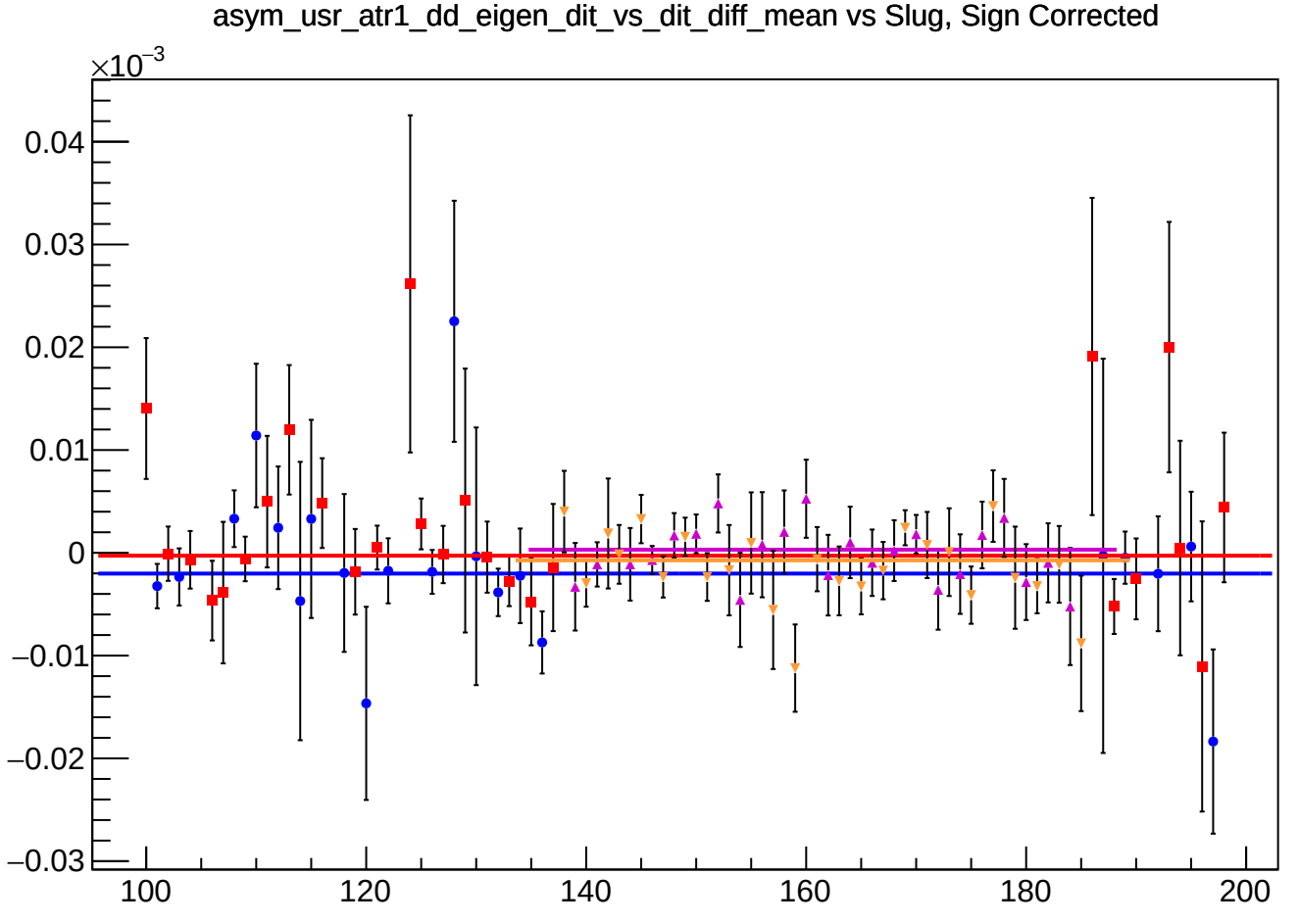
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 39.745+/-0.007 χ^2/NDF: 5425644.1/46

In: 38.908+/-0.006 χ^2/NDF:4072124.7/43

Out: 38.724+/-0.006 χ^2/NDF:5079239.6/50

All: 38.813+/-0.004 χ^2/NDF: 9151902.8/94



Right In: -0.000+/-0.000 χ^2/NDF: 24.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.7/25

Left In: 0.000+/-0.000 χ^2/NDF:13.8/22

Left: -0.000+/-0.000 χ^2/NDF: 41.9/47

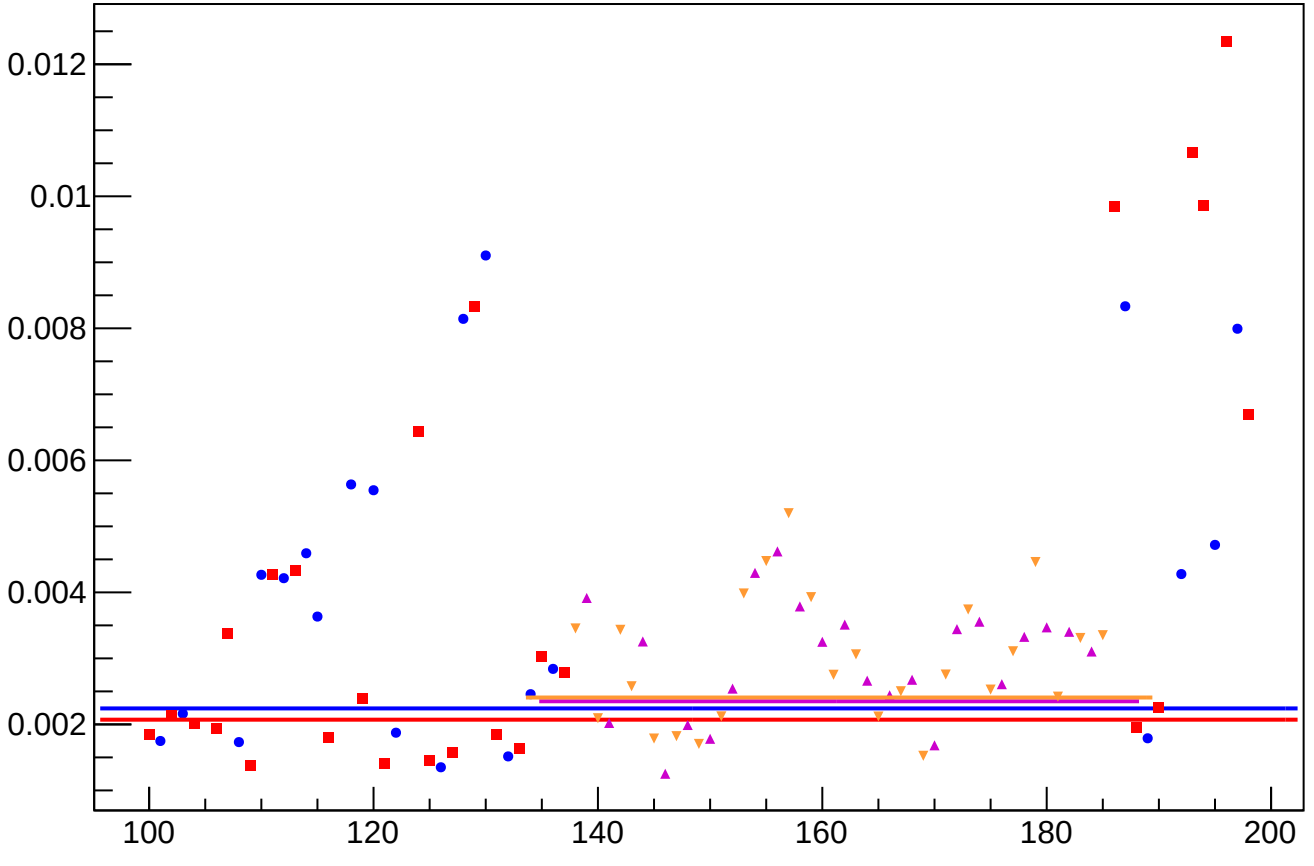
Right: -0.000+/-0.000 χ^2/NDF: 54.6/46

In: -0.000+/-0.000 χ^2/NDF:43.4/43

Out: -0.000+/-0.000 χ^2/NDF:54.5/50

All: -0.000+/-0.000 χ^2/NDF: 97.9/94

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4849815.7/20

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6490542.3/25

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

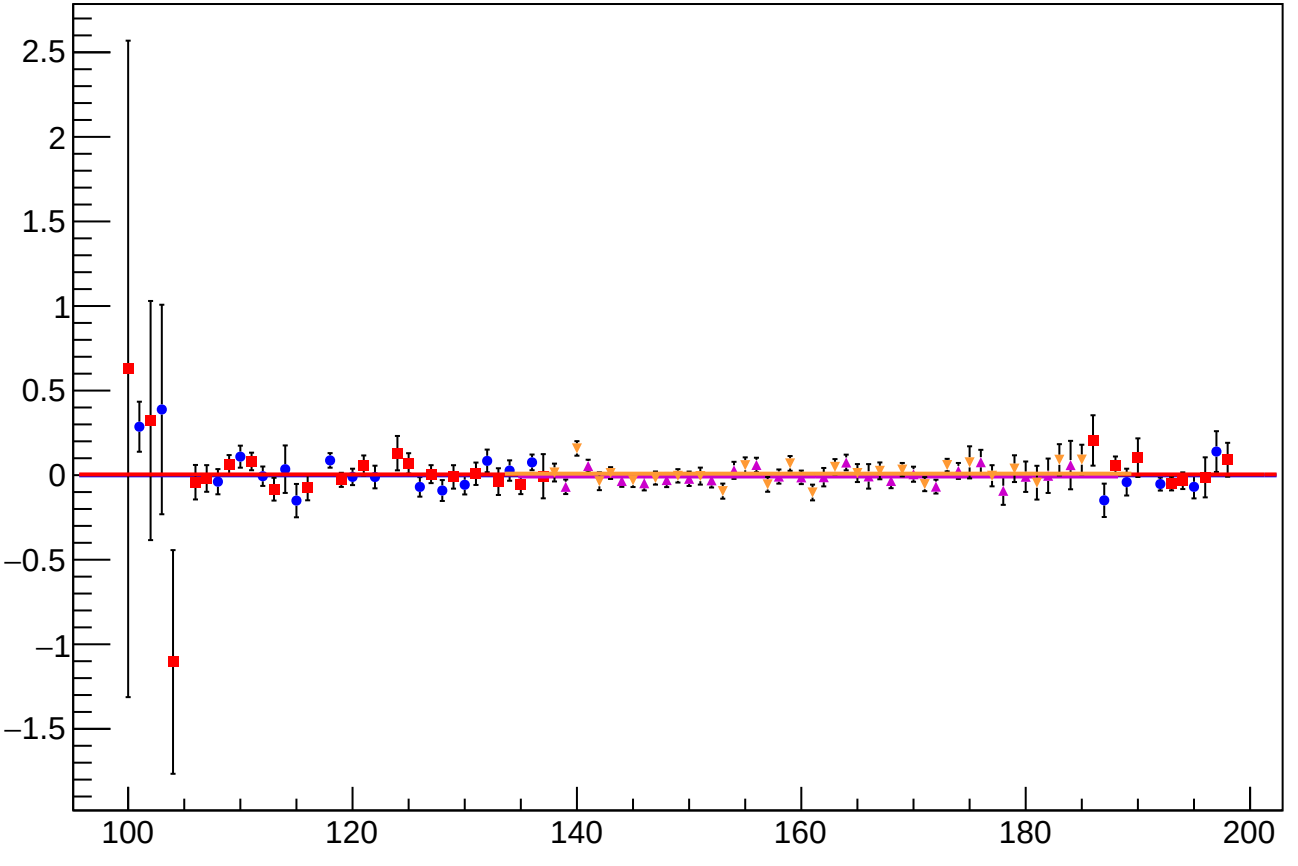
Right: 0.002+/-0.000 χ^2/NDF: 11388340.2/46

In: 0.002+/-0.000 χ^2/NDF:9310840.0/43

Out: 0.002+/-0.000 χ^2/NDF:10429816.2/50

All: 0.002+/-0.000 χ^2/NDF: 19746556.1/94

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.014 χ^2/NDF: 29.6/20

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.004+/-0.013 χ^2/NDF: 21.8/25

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

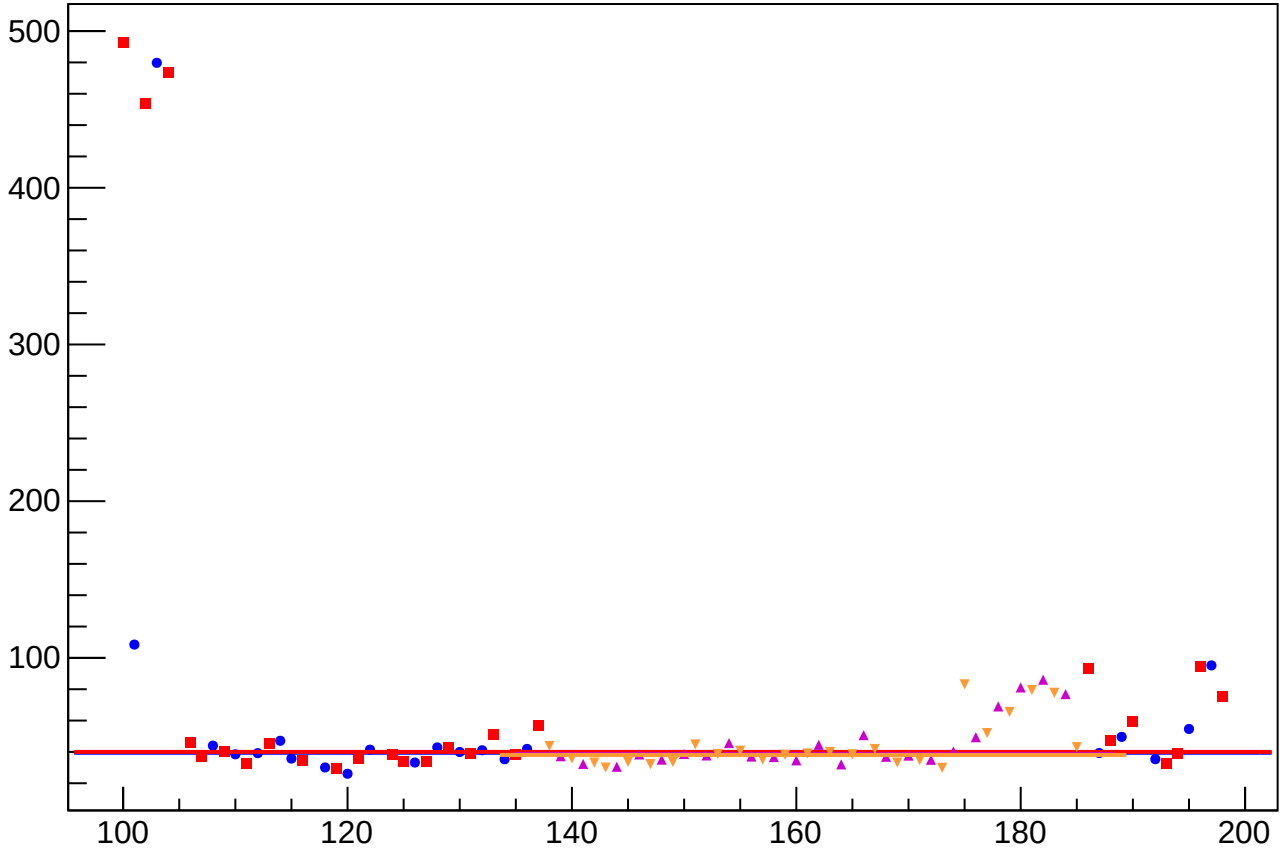
Right: 0.002+/-0.010 χ^2/NDF: 51.4/46

In: -0.006+/-0.008 χ^2/NDF:48.6/43

Out: 0.007+/-0.008 χ^2/NDF:60.4/50

All: 0.001+/-0.006 χ^2/NDF: 110.4/94

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.458+/-0.010 χ^2/NDF: 2339807.7/20

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 40.006+/-0.009 χ^2/NDF: 3084587.8/25

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

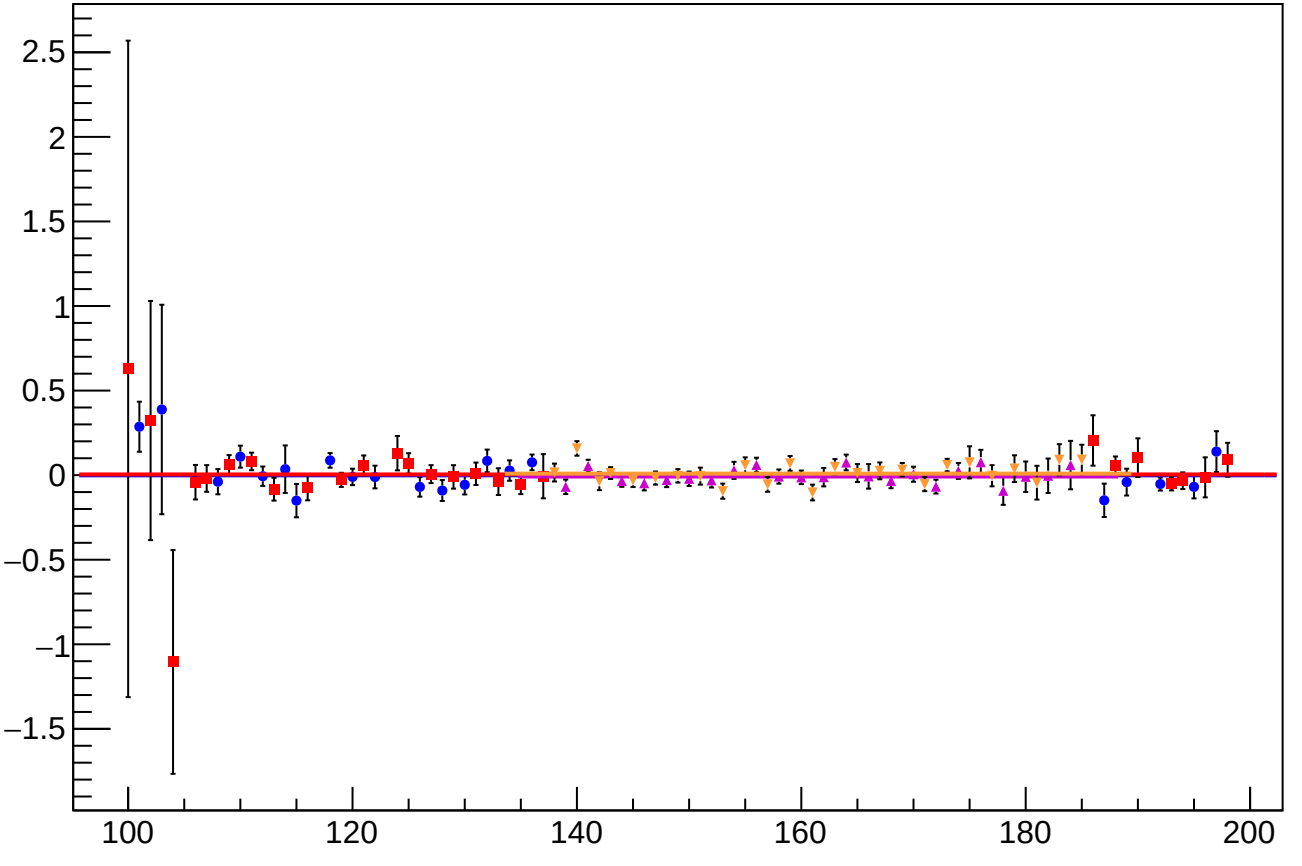
Right: 39.743+/-0.007 χ^2/NDF: 5426006.2/46

In: 38.908+/-0.006 χ^2/NDF:4072196.7/43

Out: 38.723+/-0.006 χ^2/NDF:5079476.7/50

All: 38.812+/-0.004 χ^2/NDF: 9152216.1/94

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.014 χ^2/NDF: 29.6/20

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.004+/-0.013 χ^2/NDF: 21.8/25

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

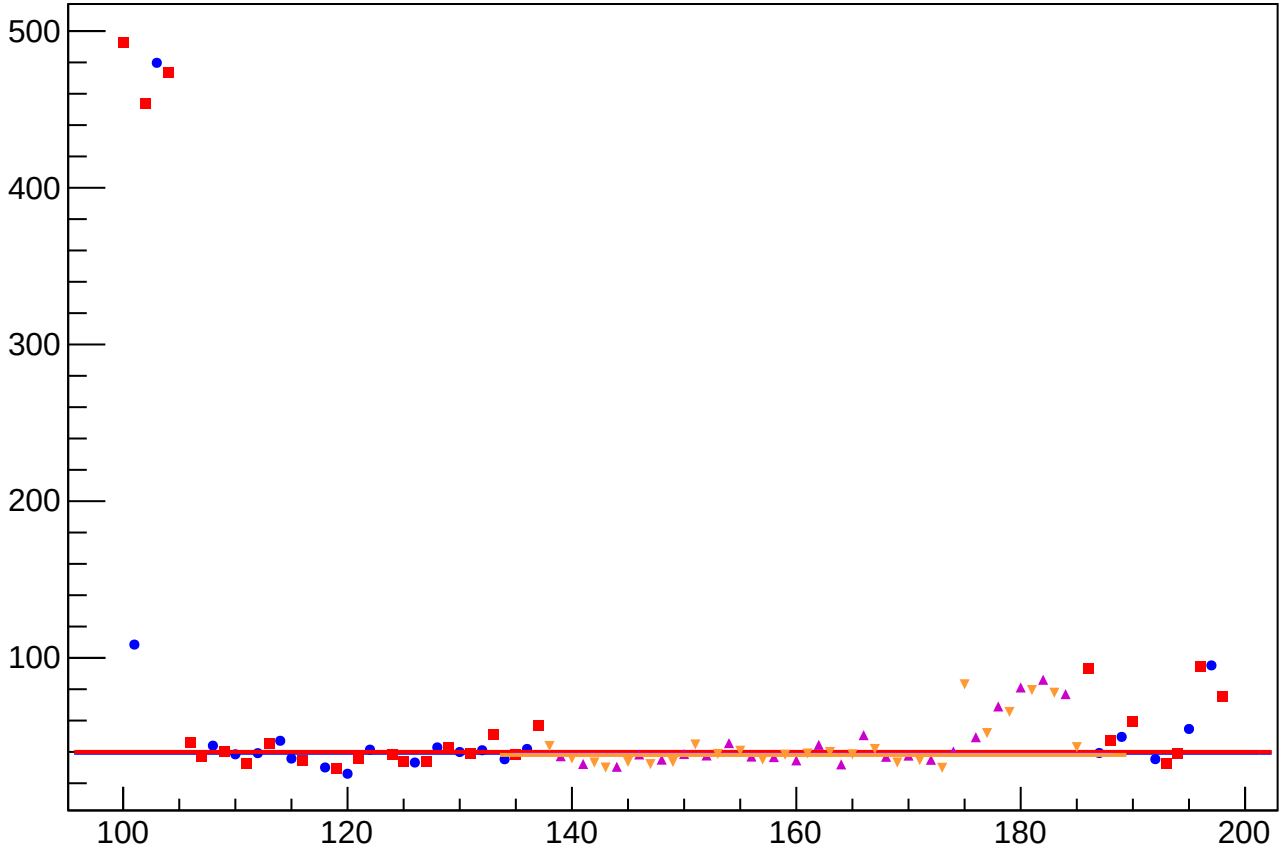
Right: 0.002+/-0.010 χ^2/NDF: 51.4/46

In: -0.006+/-0.008 χ^2/NDF:48.6/43

Out: 0.007+/-0.008 χ^2/NDF:60.4/50

All: 0.001+/-0.006 χ^2/NDF: 110.4/94

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.458+/-0.010 χ^2/NDF: 2339807.7/20

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 40.006+/-0.009 χ^2/NDF: 3084587.8/25

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

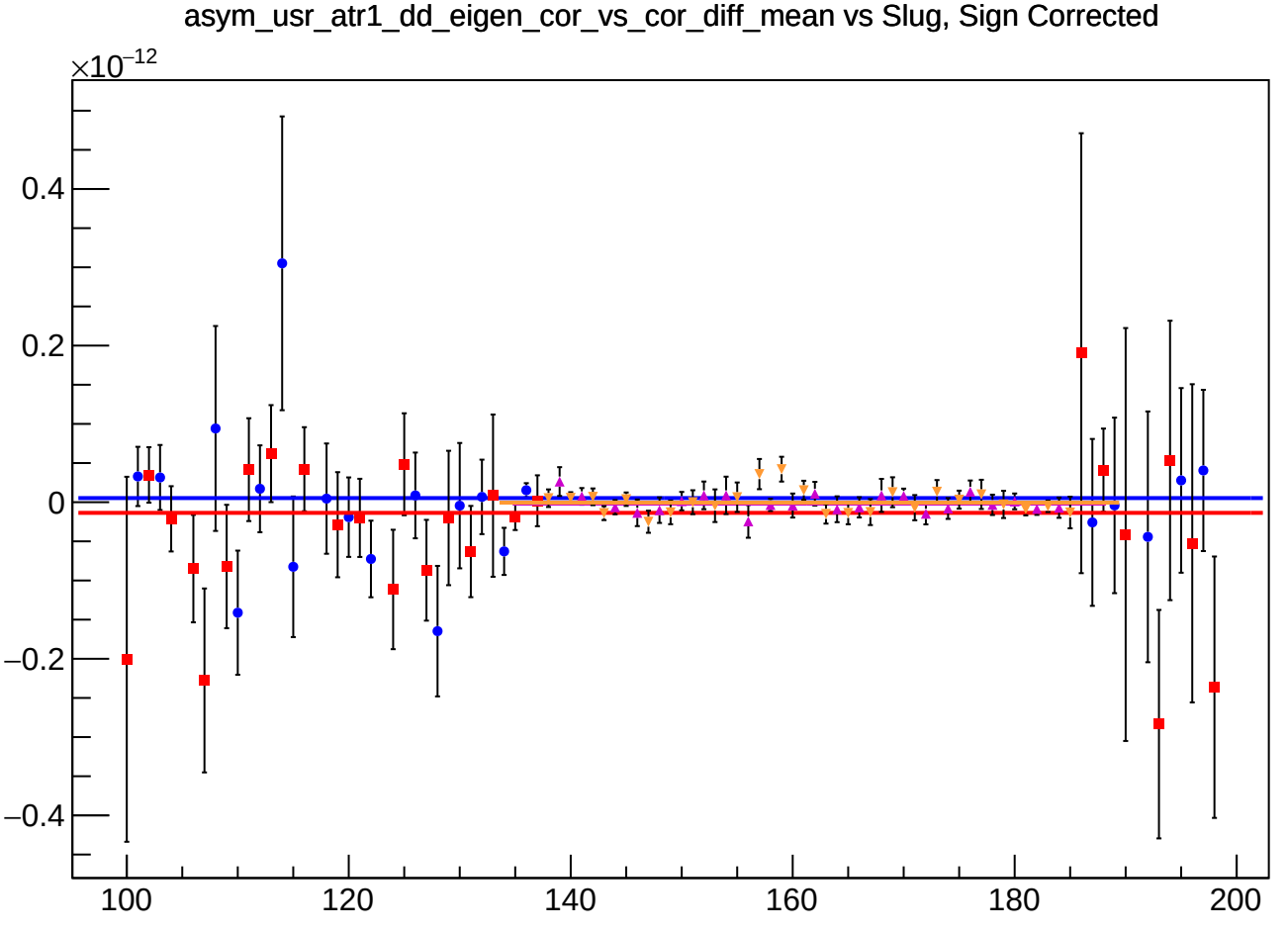
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

Right: 39.743+/-0.007 χ^2/NDF: 5426006.2/46

In: 38.908+/-0.006 χ^2/NDF:4072196.7/43

Out: 38.723+/-0.006 χ^2/NDF:5079476.7/50

All: 38.812+/-0.004 χ^2/NDF: 9152216.1/94



Right In: 0.000+/-0.000 χ^2/NDF: 22.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/25

Left In: -0.000+/-0.000 χ^2/NDF:11.6/22

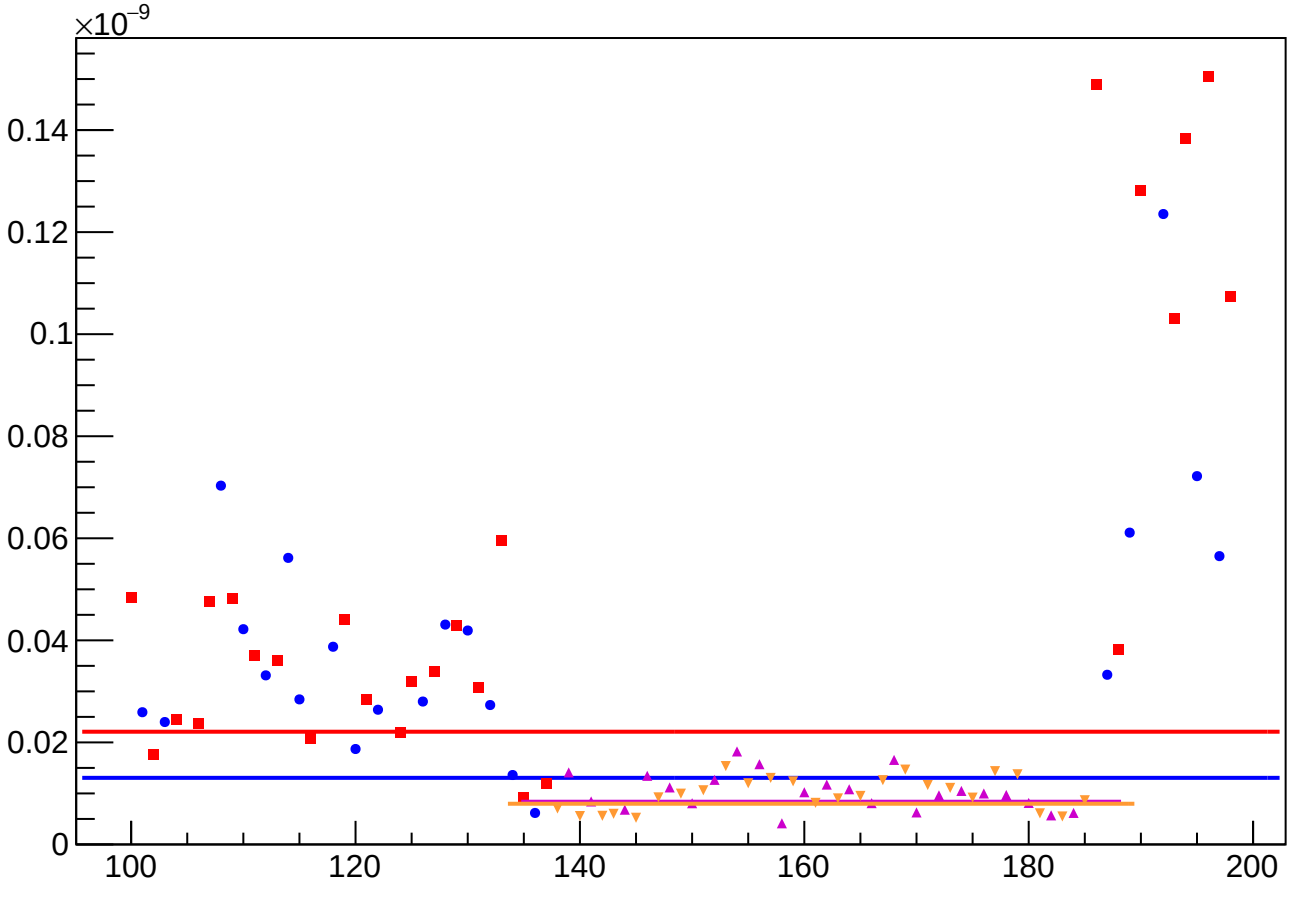
Left: -0.000+/-0.000 χ^2/NDF: 38.6/47

Right: -0.000+/-0.000 χ^2/NDF: 47.2/46

In: -0.000+/-0.000 χ^2/NDF:34.4/43

Out: -0.000+/-0.000 χ^2/NDF:51.4/50

All: -0.000+/-0.000 χ^2/NDF: 85.8/94



Right In: 0.000+/-0.000 χ^2/NDF: 6157606.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6431746.4/25

Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

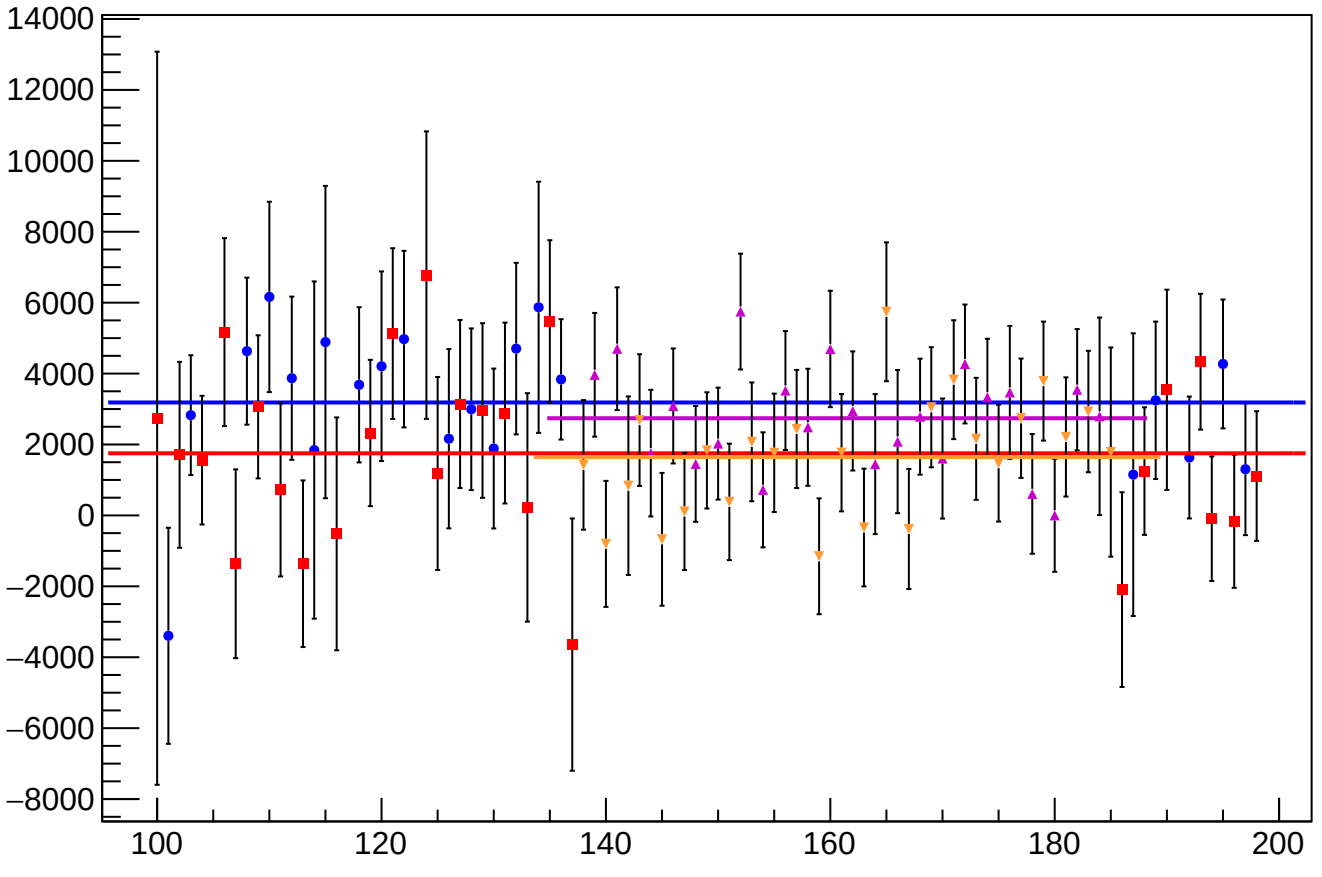
Left: 0.000+/-0.000 χ^2/NDF: 5643069.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13601924.1/46

In: 0.000+/-0.000 χ^2/NDF:9644150.1/43

Out: 0.000+/-0.000 χ^2/NDF:12845780.7/50

All: 0.000+/-0.000 χ^2/NDF: 22494048.5/94



Right In: 3184.962+/-502.319 χ^2/NDF: 11.5/20

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: 1751.774+/-464.068 χ^2/NDF: 22.0/25

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

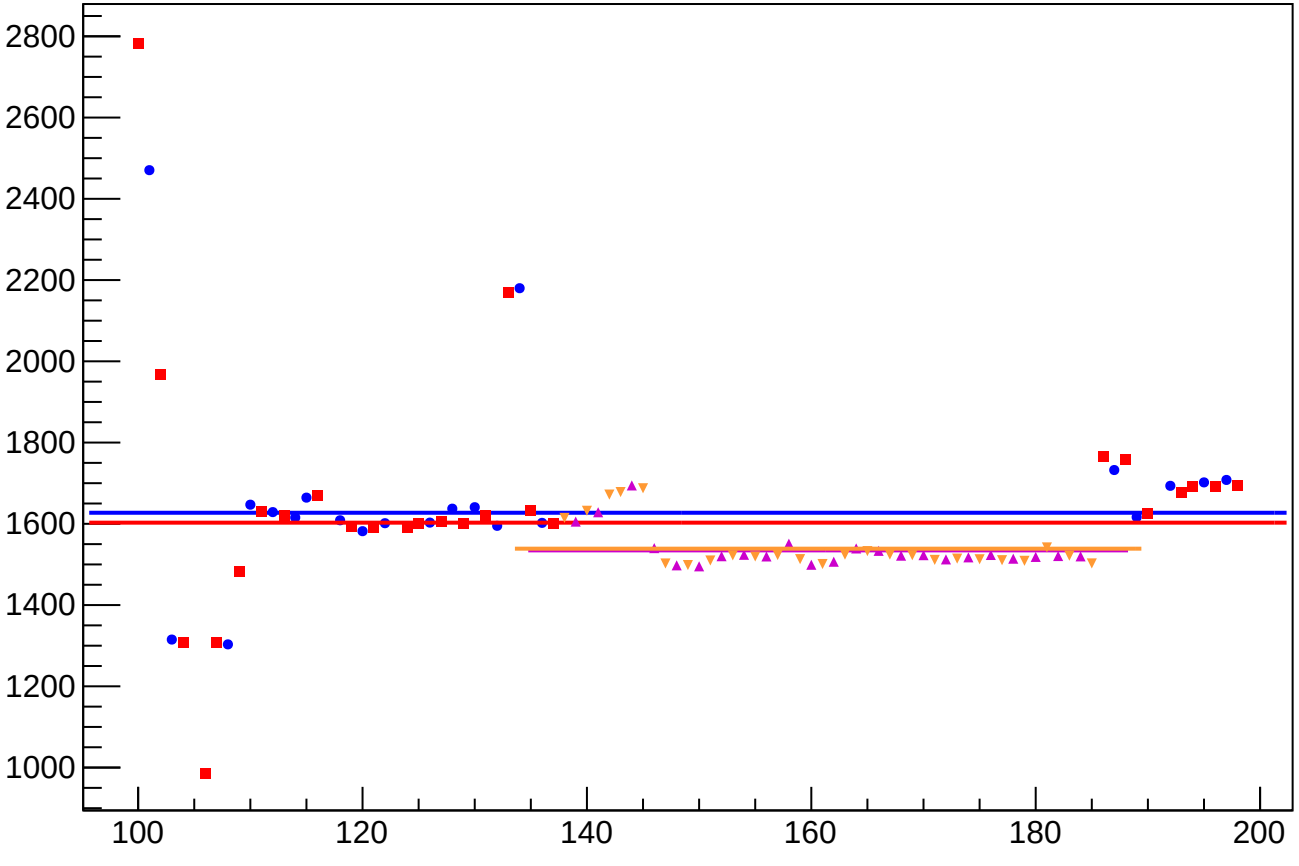
Right: 2411.730+/-340.867 χ^2/NDF: 37.9/46

In: 2890.748+/-291.783 χ^2/NDF:28.5/43

Out: 1684.574+/-279.313 χ^2/NDF:43.1/50

All: 2261.336+/-201.768 χ^2/NDF: 80.5/94

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1627.220+/-0.355 χ^2/NDF: 332824.7/20

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1602.836+/-0.325 χ^2/NDF: 435903.4/25

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

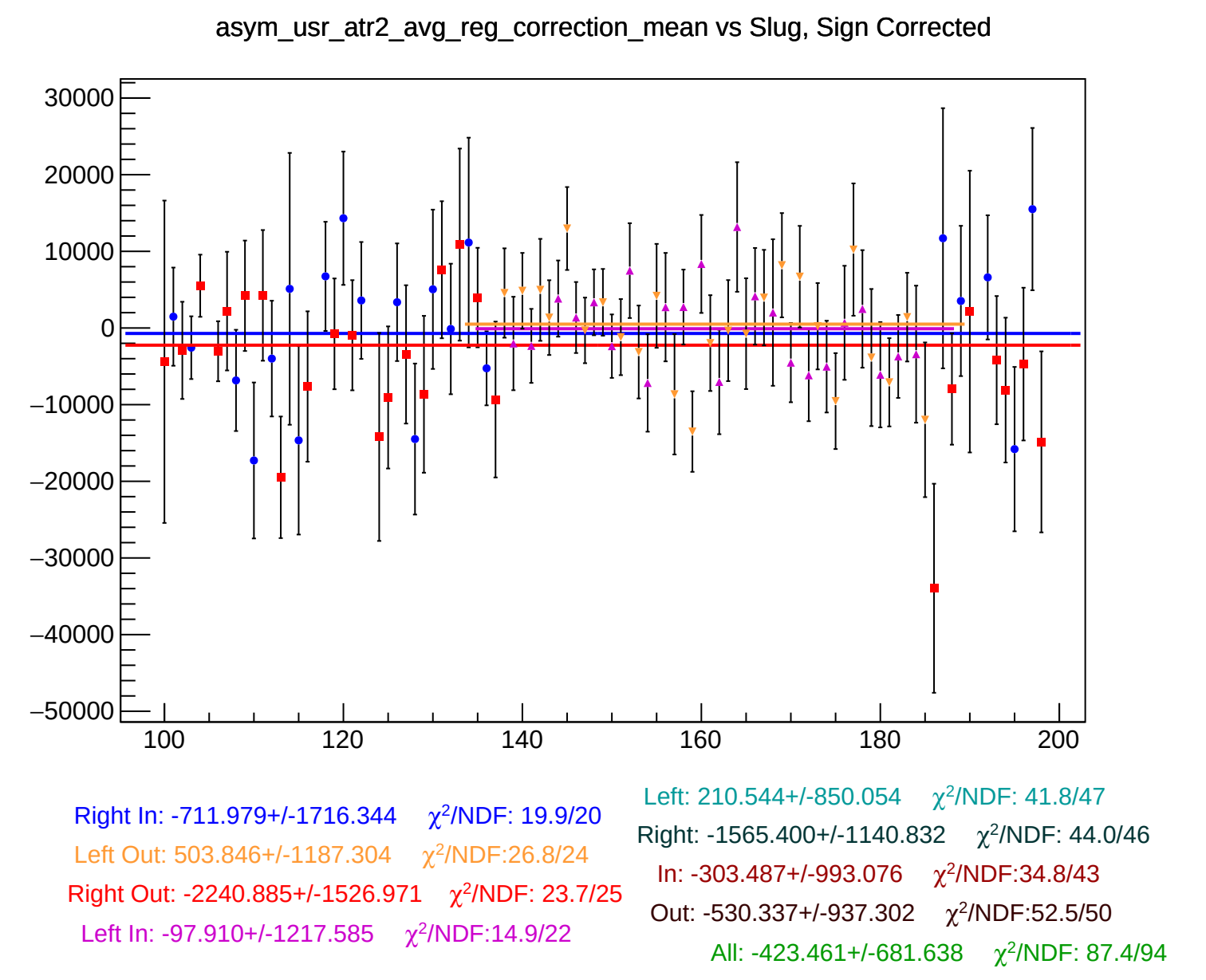
Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

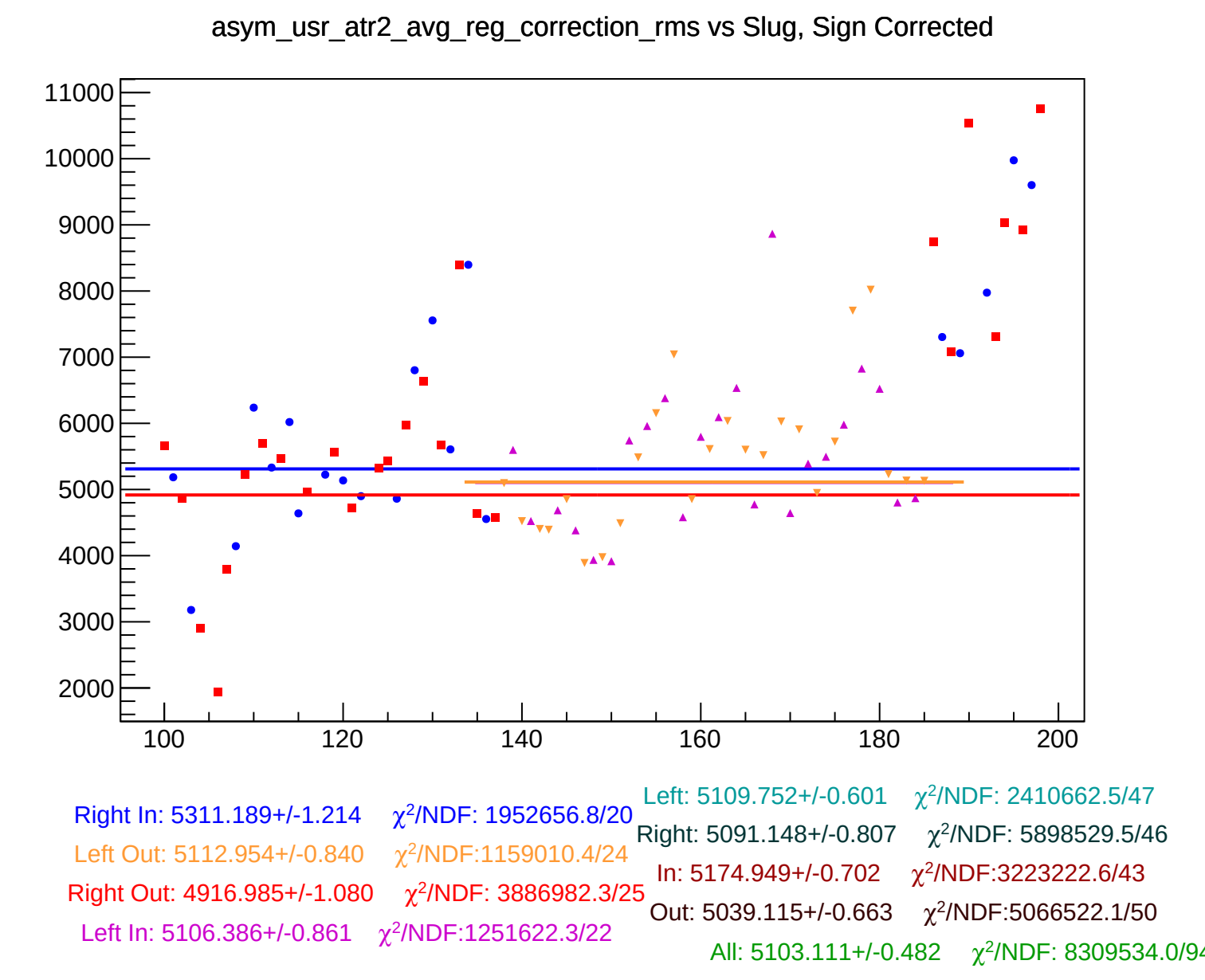
Right: 1613.936+/-0.240 χ^2/NDF: 771295.4/46

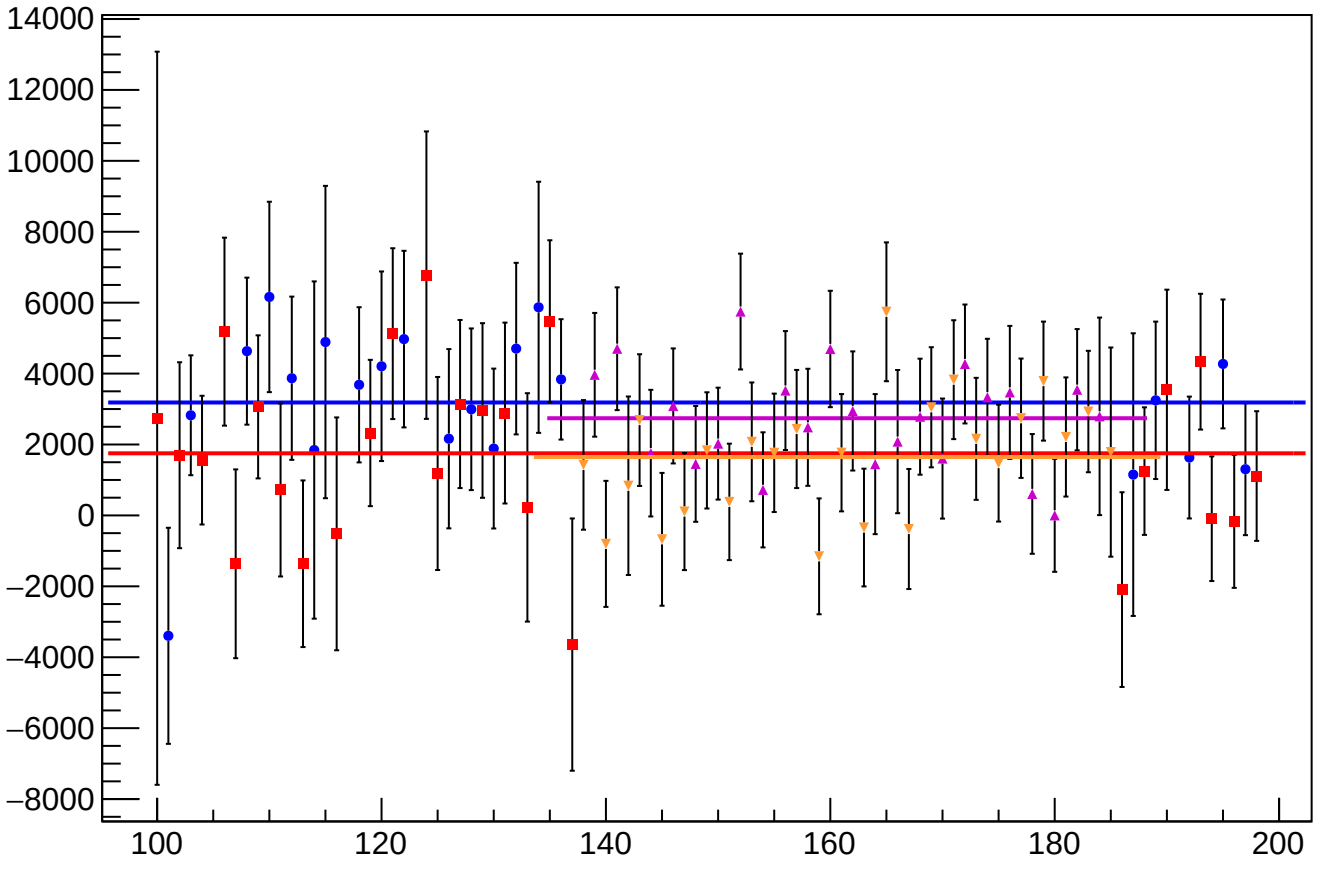
In: 1565.861+/-0.206 χ^2/NDF:408984.0/43

Out: 1562.317+/-0.197 χ^2/NDF:507565.9/50

All: 1564.005+/-0.142 χ^2/NDF: 916704.5/94


asym_usr_atr2_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: -711.979+/-1716.344 χ²/NDF: 19.9/20
Left Out: 503.846+/-1187.304 χ²/NDF:26.8/24
Right Out: -2240.885+/-1526.971 χ²/NDF: 23.7/25
Left In: -97.910+/-1217.585 χ²/NDF:14.9/22
Left: 210.544+/-850.054 χ²/NDF: 41.8/47
Right: -1565.400+/-1140.832 χ²/NDF: 44.0/46
In: -303.487+/-993.076 χ²/NDF:34.8/43
Out: -530.337+/-937.302 χ²/NDF:52.5/50
All: -423.461+/-681.638 χ²/NDF: 87.4/94


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: 5311.189+/-1.214 χ²/NDF: 1952656.8/20
Left Out: 5112.954+/-0.840 χ²/NDF:1159010.4/24
Right Out: 4916.985+/-1.080 χ²/NDF: 3886982.3/25
Left In: 5106.386+/-0.861 χ²/NDF:1251622.3/22
Left: 5109.752+/-0.601 χ²/NDF: 2410662.5/47
Right: 5091.148+/-0.807 χ²/NDF: 5898529.5/46
In: 5174.949+/-0.702 χ²/NDF:3223222.6/43
Out: 5039.115+/-0.663 χ²/NDF:5066522.1/50
All: 5103.111+/-0.482 χ²/NDF: 8309534.0/94



Right In: 3184.759+/-502.319 χ^2/NDF: 11.5/20

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1751.754+/-464.070 χ^2/NDF: 22.0/25

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

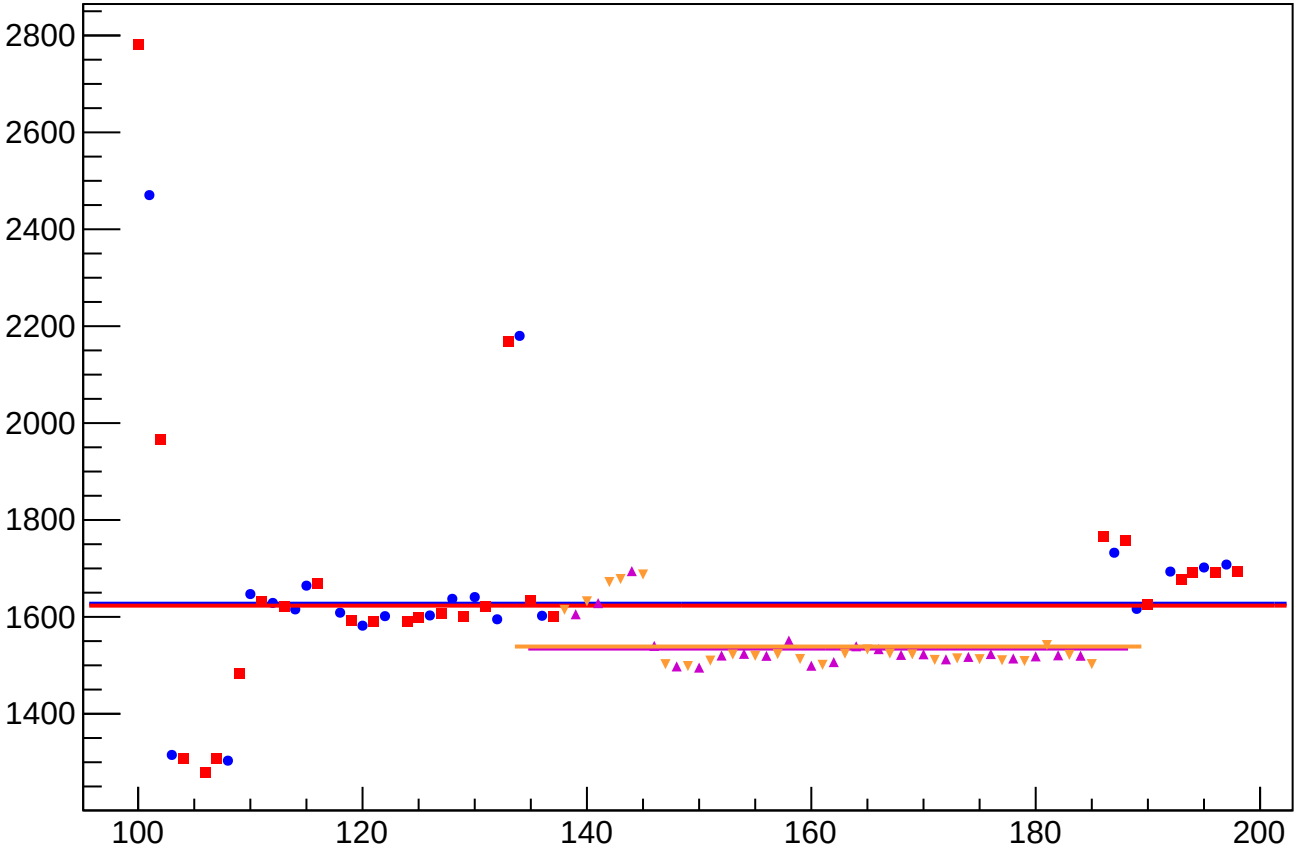
Right: 2411.627+/-340.868 χ^2/NDF: 37.9/46

In: 2890.615+/-291.783 χ^2/NDF:28.5/43

Out: 1684.497+/-279.313 χ^2/NDF:43.1/50

All: 2261.233+/-201.769 χ^2/NDF: 80.5/94

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1627.220+/-0.355 χ^2/NDF: 332823.7/20

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1623.232+/-0.327 χ^2/NDF: 283291.3/25

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

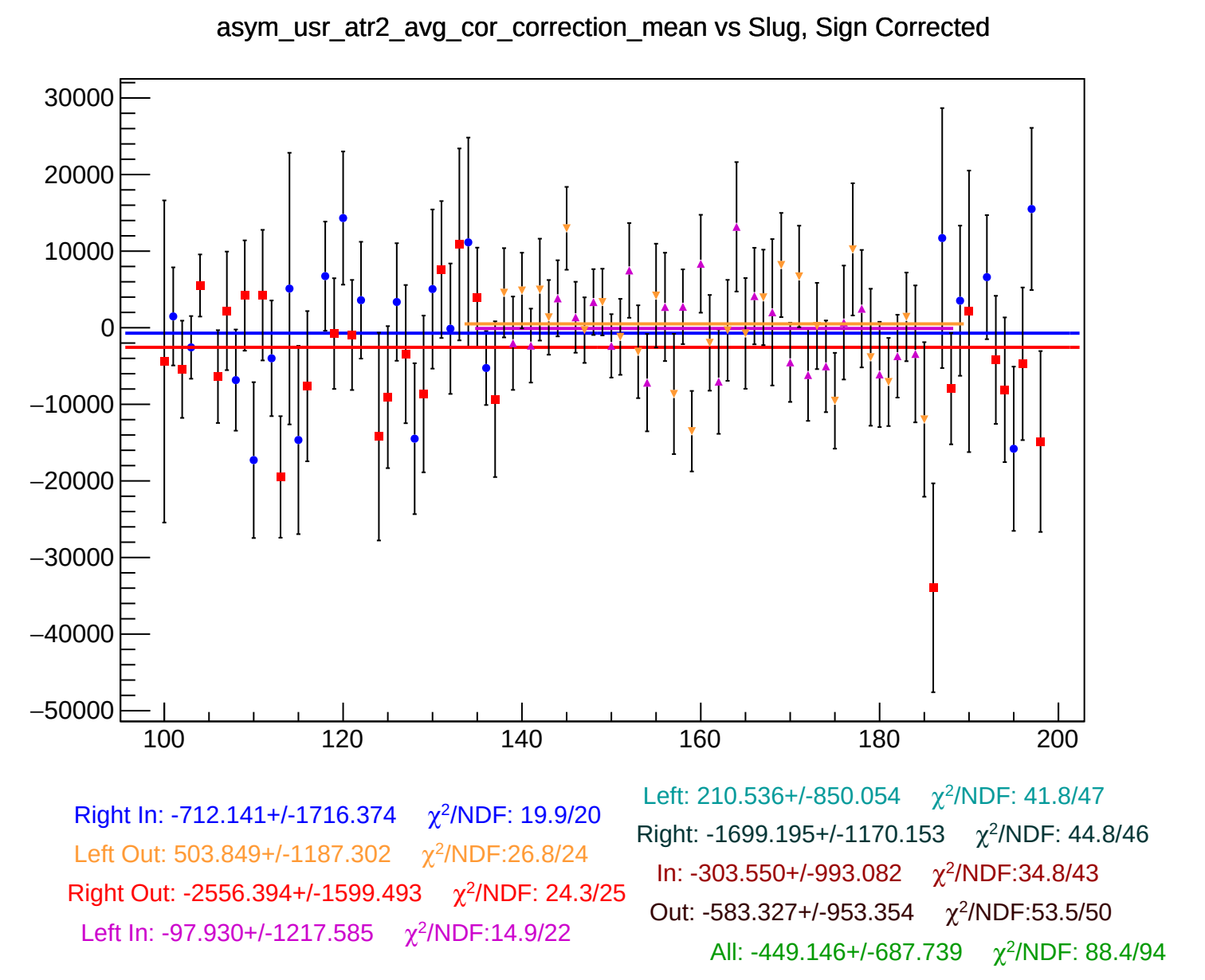
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

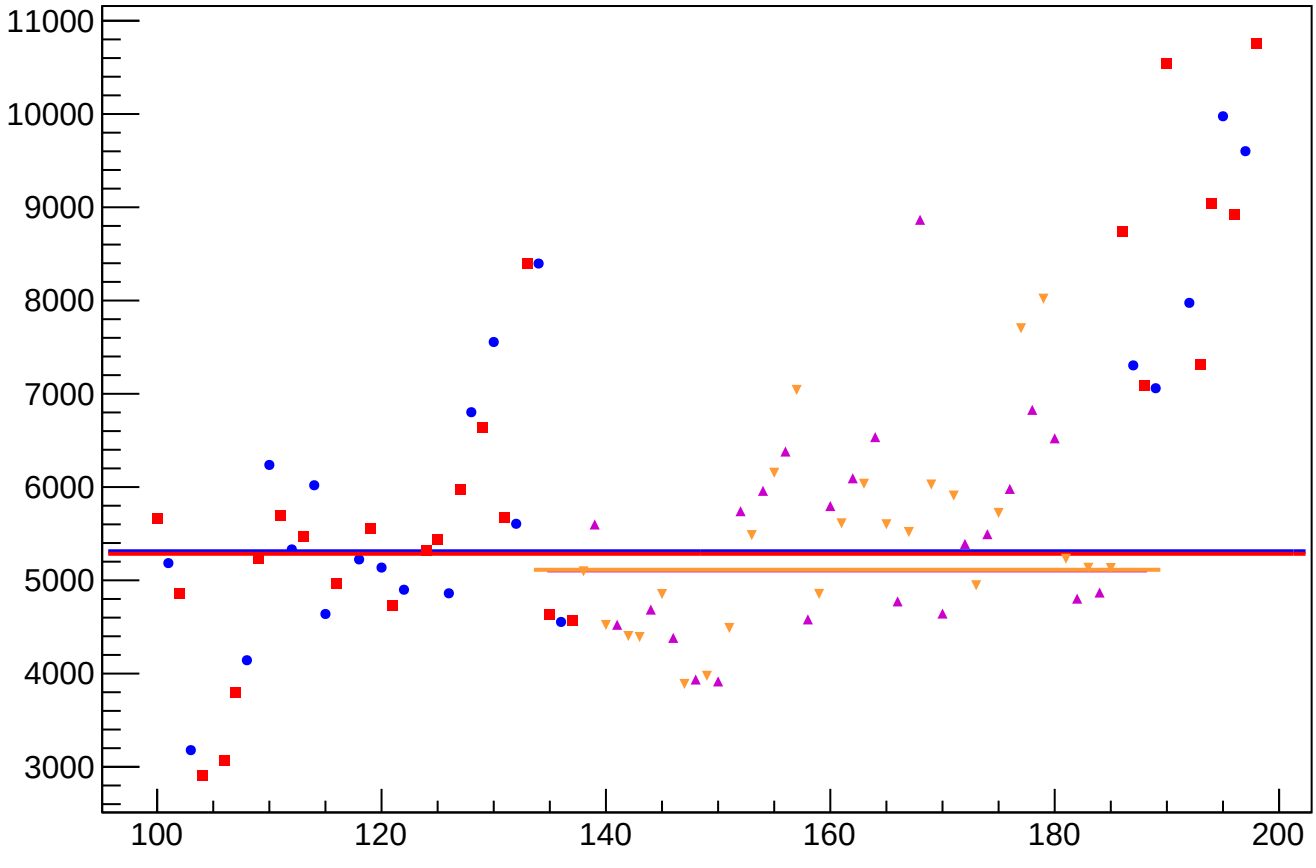
Right: 1625.063+/-0.241 χ^2/NDF: 616183.2/46

In: 1565.861+/-0.206 χ^2/NDF:408983.2/43

Out: 1569.488+/-0.197 χ^2/NDF:372690.7/50

All: 1567.755+/-0.143 χ^2/NDF: 781835.4/94


asym_usr_atr2_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: -712.141+/-1716.374 χ²/NDF: 19.9/20
Left Out: 503.849+/-1187.302 χ²/NDF:26.8/24
Right Out: -2556.394+/-1599.493 χ²/NDF: 24.3/25
Left In: -97.930+/-1217.585 χ²/NDF:14.9/22
Left: 210.536+/-850.054 χ²/NDF: 41.8/47
Right: -1699.195+/-1170.153 χ²/NDF: 44.8/46
In: -303.550+/-993.082 χ²/NDF:34.8/43
Out: -583.327+/-953.354 χ²/NDF:53.5/50
All: -449.146+/-687.739 χ²/NDF: 88.4/94



Right In: 5311.324+/-1.214 χ^2/NDF: 1952377.7/20

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5284.629+/-1.131 χ^2/NDF: 2811492.8/25

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

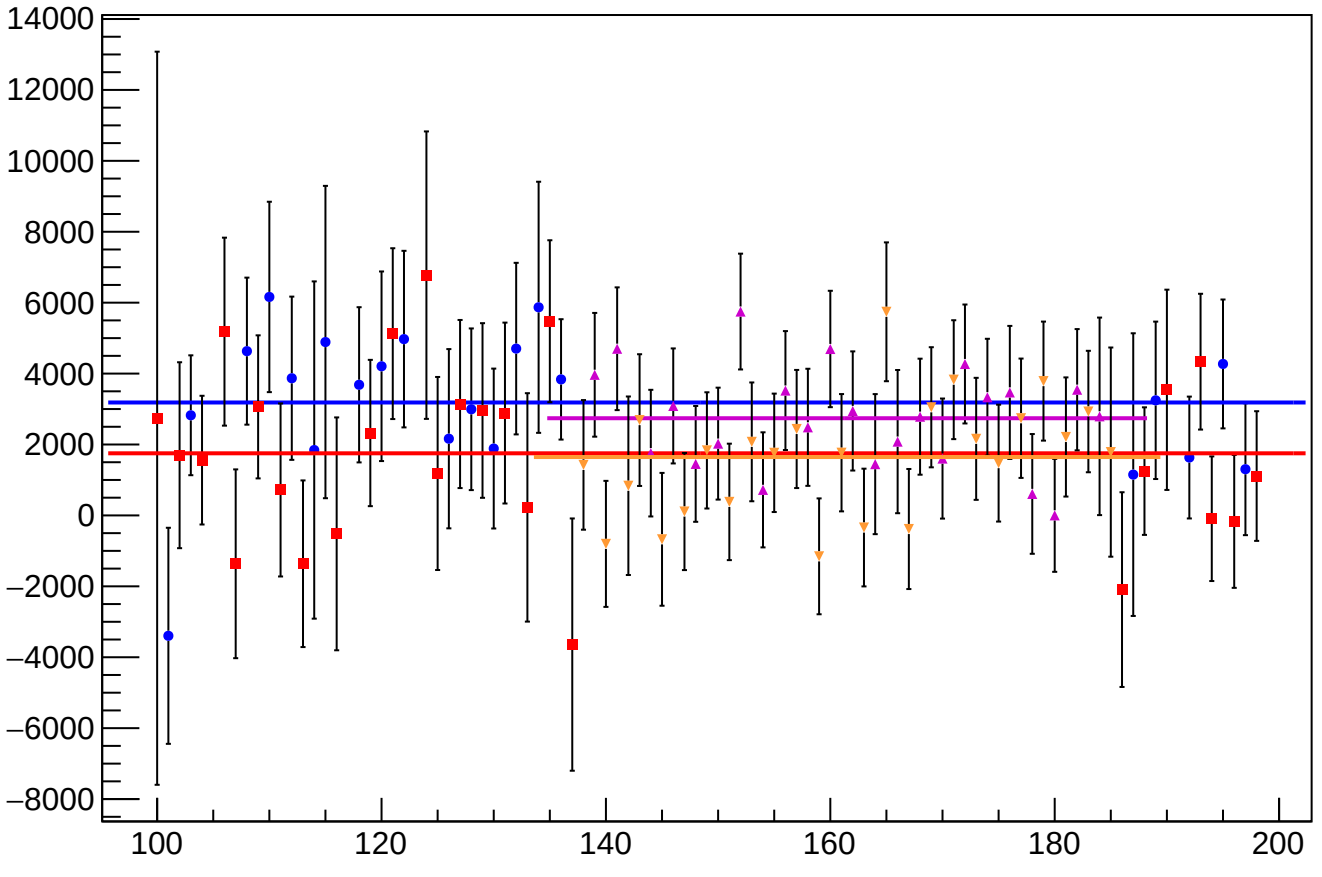
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5297.037+/-0.827 χ^2/NDF: 4764129.4/46

In: 5174.992+/-0.702 χ^2/NDF:3222969.0/43

Out: 5173.938+/-0.674 χ^2/NDF:3985372.1/50

All: 5174.443+/-0.486 χ^2/NDF: 7208342.2/94



Right In: 3184.759+/-502.319 χ^2/NDF: 11.5/20

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1751.754+/-464.070 χ^2/NDF: 22.0/25

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

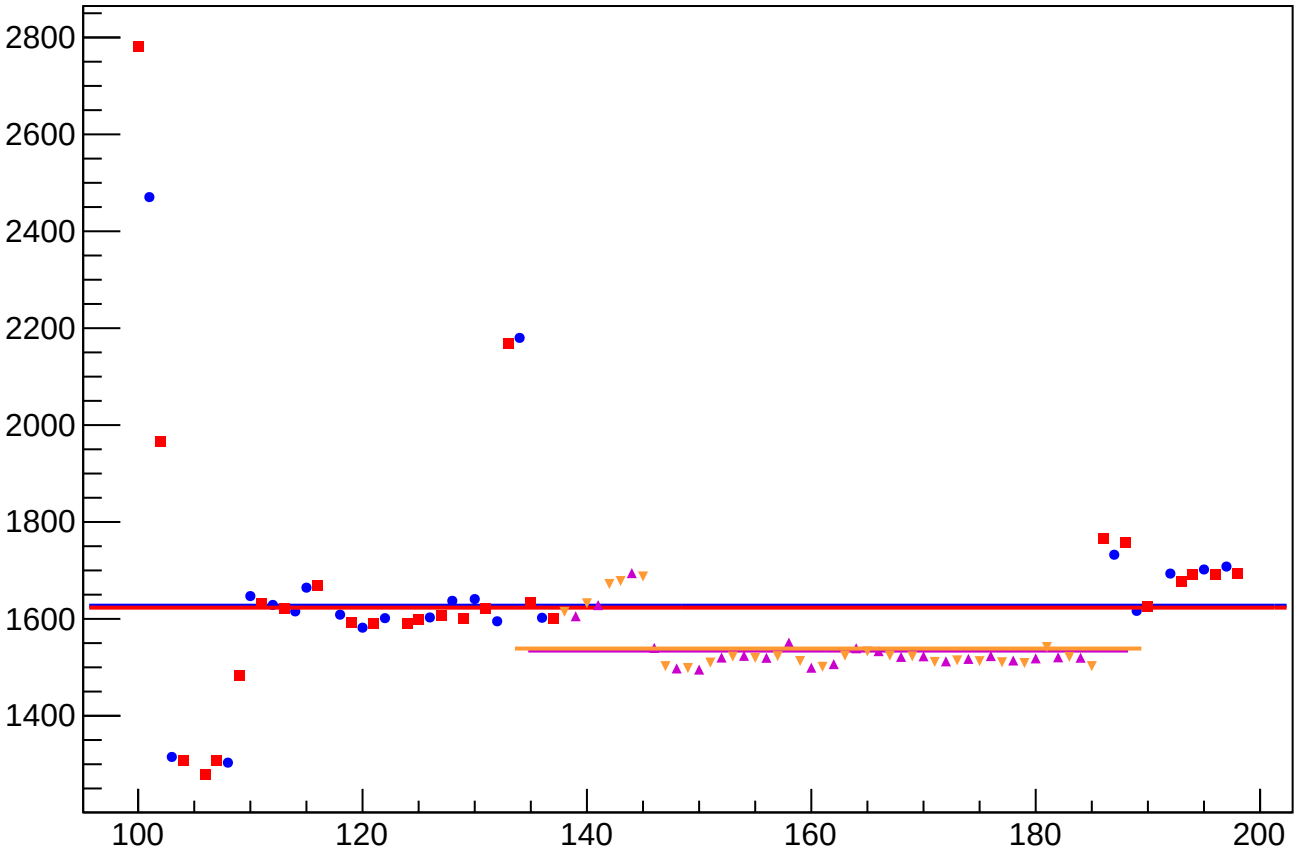
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2411.627+/-340.868 χ^2/NDF: 37.9/46

In: 2890.615+/-291.783 χ^2/NDF:28.5/43

Out: 1684.497+/-279.313 χ^2/NDF:43.1/50

All: 2261.233+/-201.769 χ^2/NDF: 80.5/94



Right In: 1627.220+/-0.355 χ^2/NDF: 332823.7/20

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1623.232+/-0.327 χ^2/NDF: 283291.3/25

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

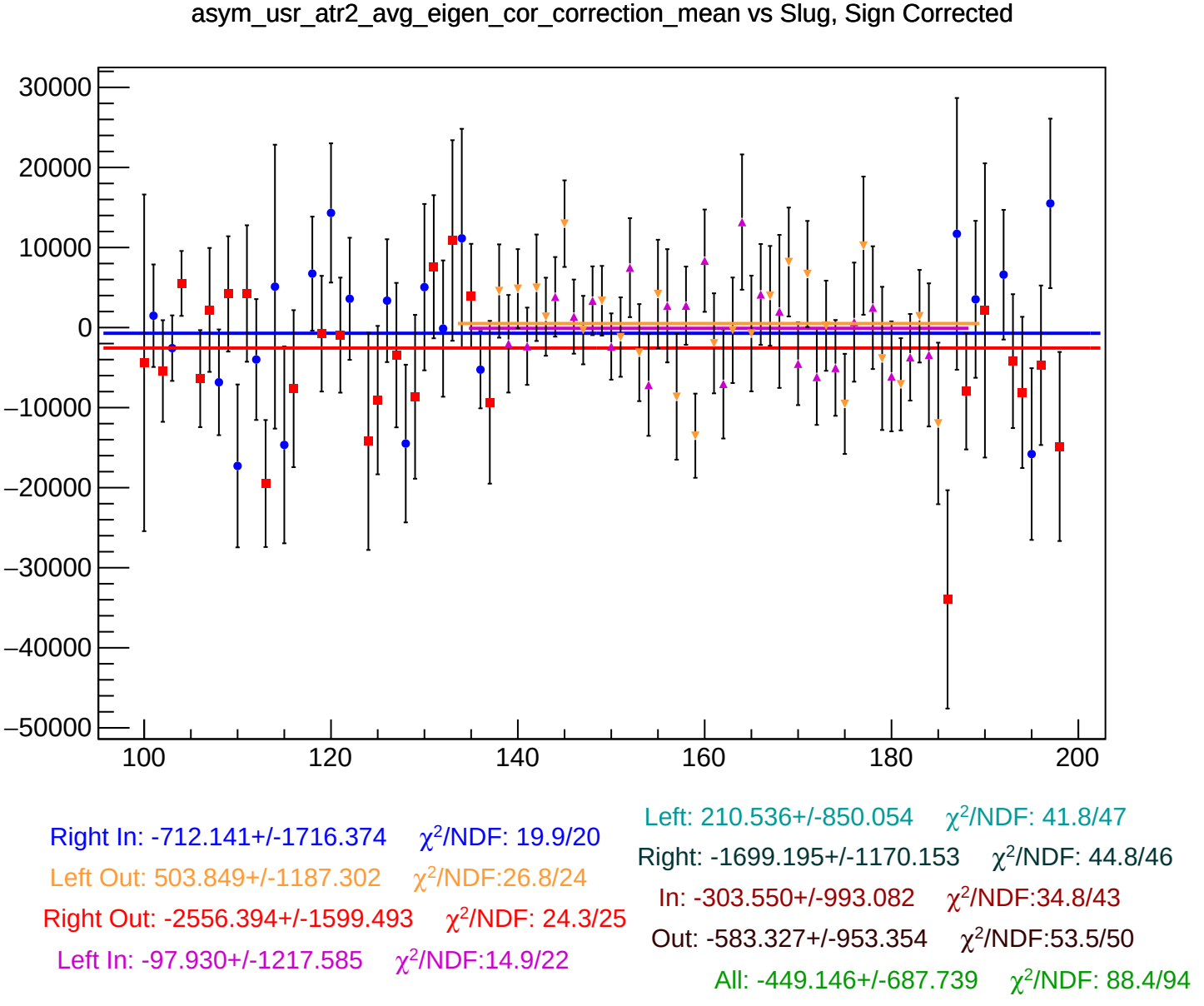
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1625.063+/-0.241 χ^2/NDF: 616183.2/46

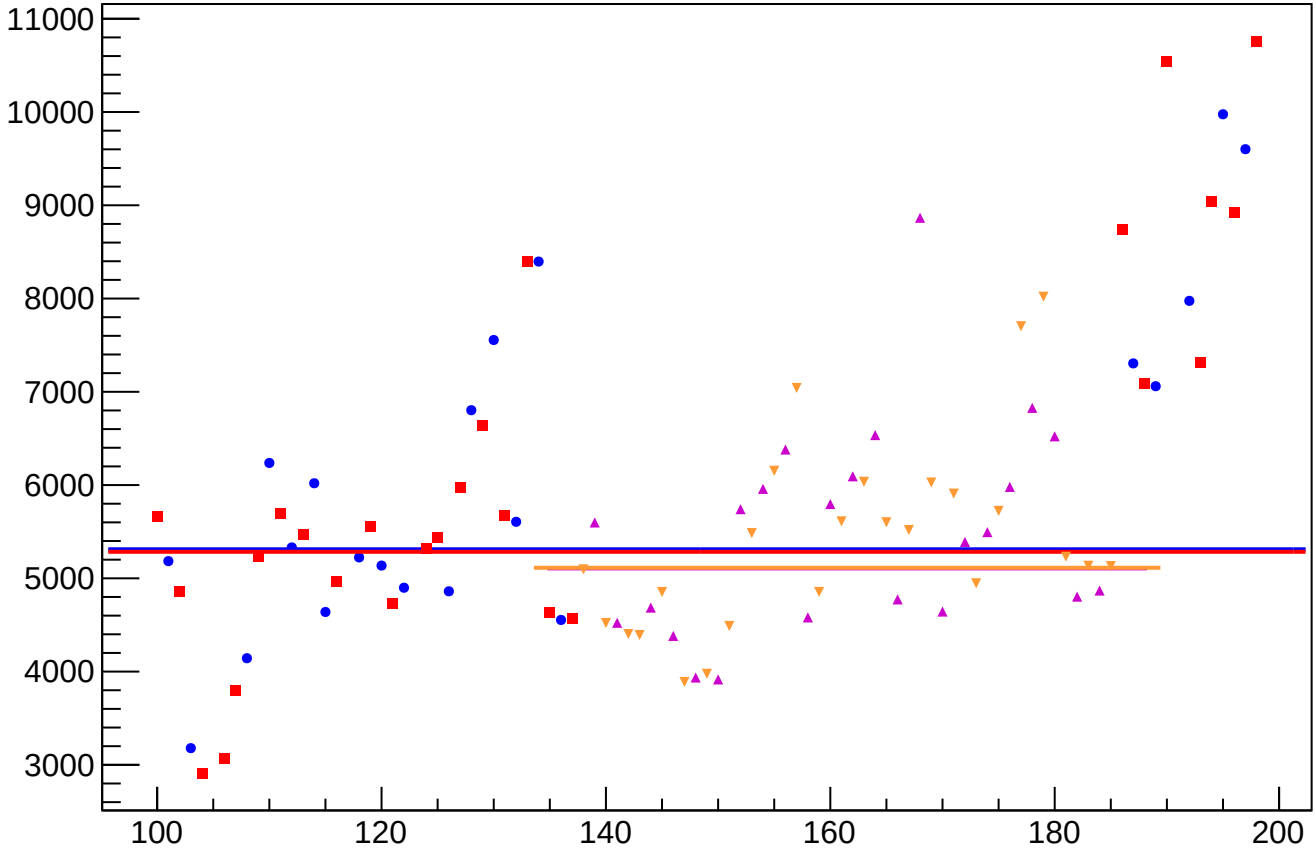
In: 1565.861+/-0.206 χ^2/NDF:408983.2/43

Out: 1569.488+/-0.197 χ^2/NDF:372690.7/50

All: 1567.755+/-0.143 χ^2/NDF: 781835.4/94


asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: -712.141+/-1716.374 χ²/NDF: 19.9/20
Left Out: 503.849+/-1187.302 χ²/NDF:26.8/24
Right Out: -2556.394+/-1599.493 χ²/NDF: 24.3/25
Left In: -97.930+/-1217.585 χ²/NDF:14.9/22
Left: 210.536+/-850.054 χ²/NDF: 41.8/47
Right: -1699.195+/-1170.153 χ²/NDF: 44.8/46
In: -303.550+/-993.082 χ²/NDF:34.8/43
Out: -583.327+/-953.354 χ²/NDF:53.5/50
All: -449.146+/-687.739 χ²/NDF: 88.4/94

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5311.324+/-1.214 χ^2/NDF: 1952377.7/20

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5284.629+/-1.131 χ^2/NDF: 2811492.8/25

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

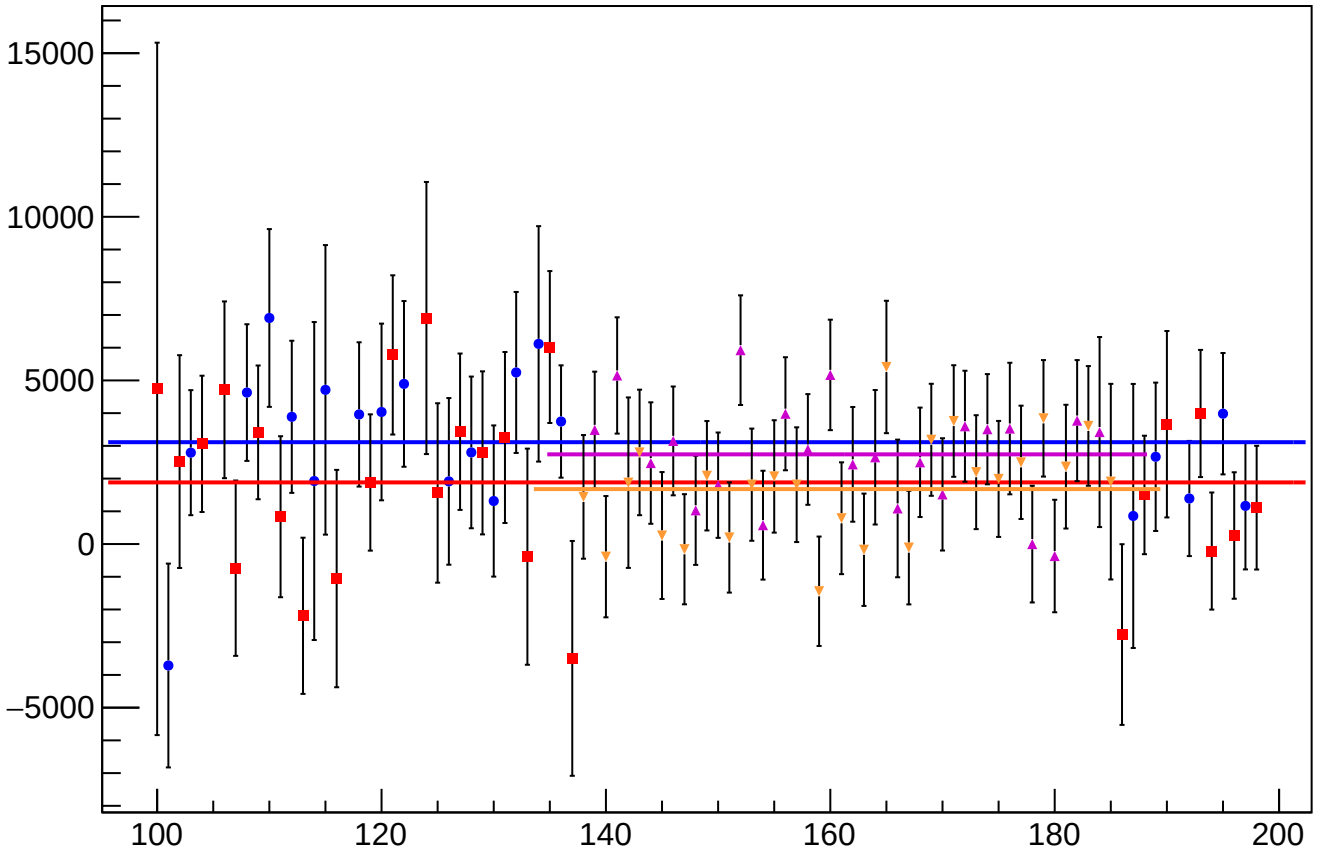
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5297.037+/-0.827 χ^2/NDF: 4764129.4/46

In: 5174.992+/-0.702 χ^2/NDF:3222969.0/43

Out: 5173.938+/-0.674 χ^2/NDF:3985372.1/50

All: 5174.443+/-0.486 χ^2/NDF: 7208342.2/94



Right In: 3112.249+/-515.416 χ^2/NDF: 13.3/20

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: 1883.400+/-477.067 χ^2/NDF: 24.4/25

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

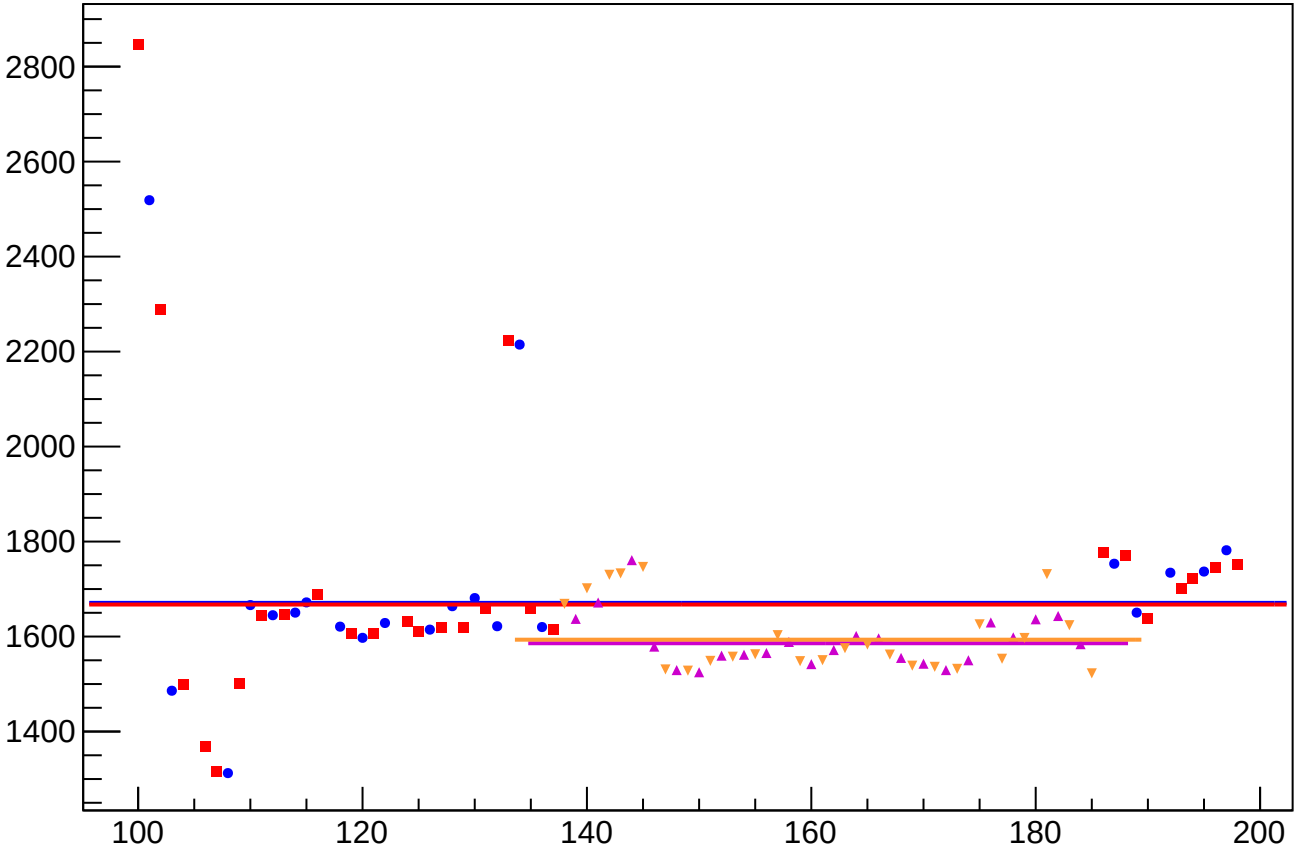
Right: 2450.412+/-350.111 χ^2/NDF: 40.8/46

In: 2867.306+/-300.895 χ^2/NDF:32.9/43

Out: 1753.892+/-288.575 χ^2/NDF:43.4/50

All: 2287.337+/-208.273 χ^2/NDF: 83.4/94

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1670.891+/-0.364 χ^2/NDF: 291220.5/20

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1667.427+/-0.337 χ^2/NDF: 266107.5/25

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

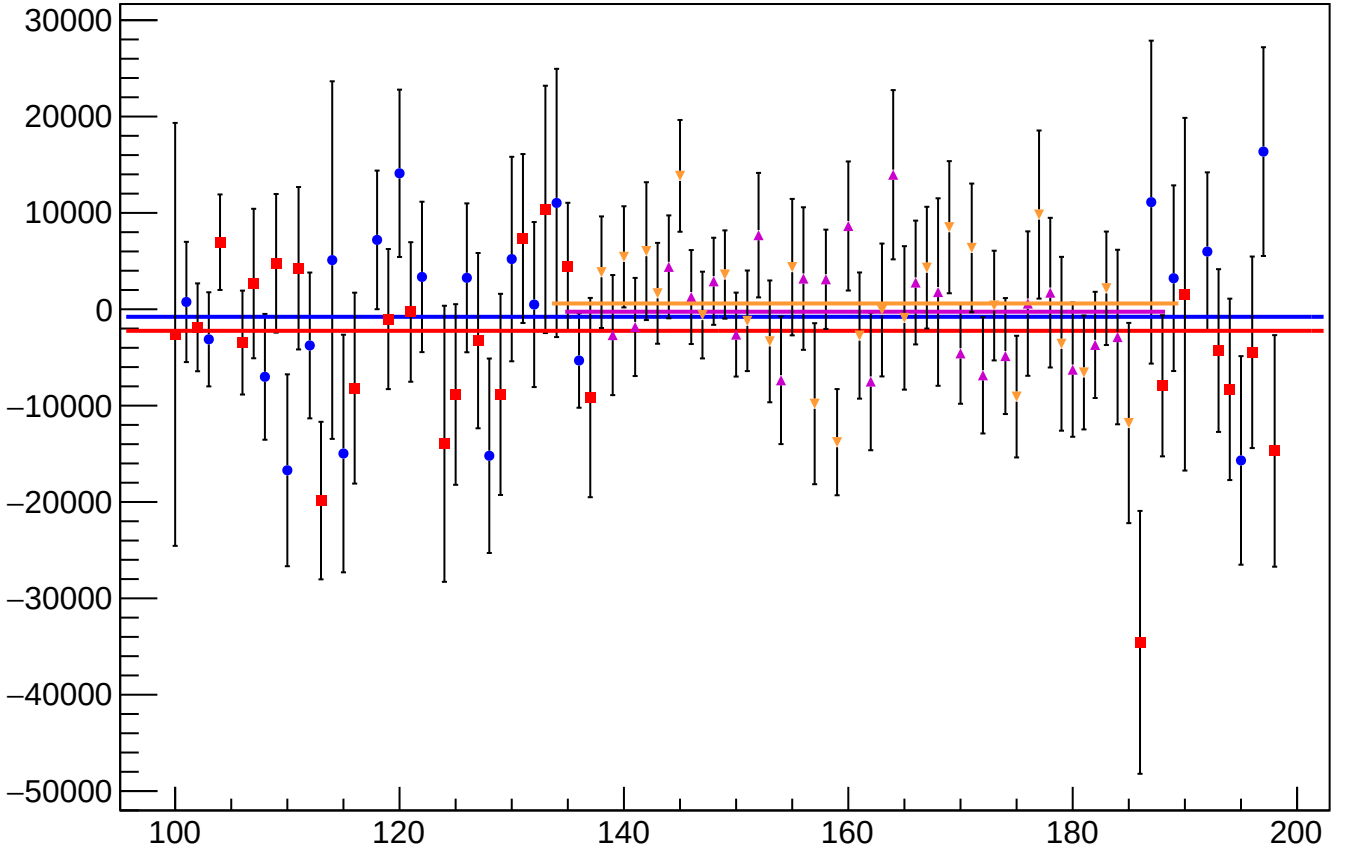
Right: 1669.024+/-0.247 χ^2/NDF: 557376.7/46

In: 1614.878+/-0.213 χ^2/NDF:368968.6/43

Out: 1620.497+/-0.204 χ^2/NDF:368551.1/50

All: 1617.805+/-0.147 χ^2/NDF: 737883.0/94

asym_usr_atr2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -783.013+/-1769.949 χ^2/NDF: 19.8/20

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: -2236.821+/-1588.217 χ^2/NDF: 23.6/25

Left In: -255.905+/-1262.607 χ^2/NDF:14.6/22

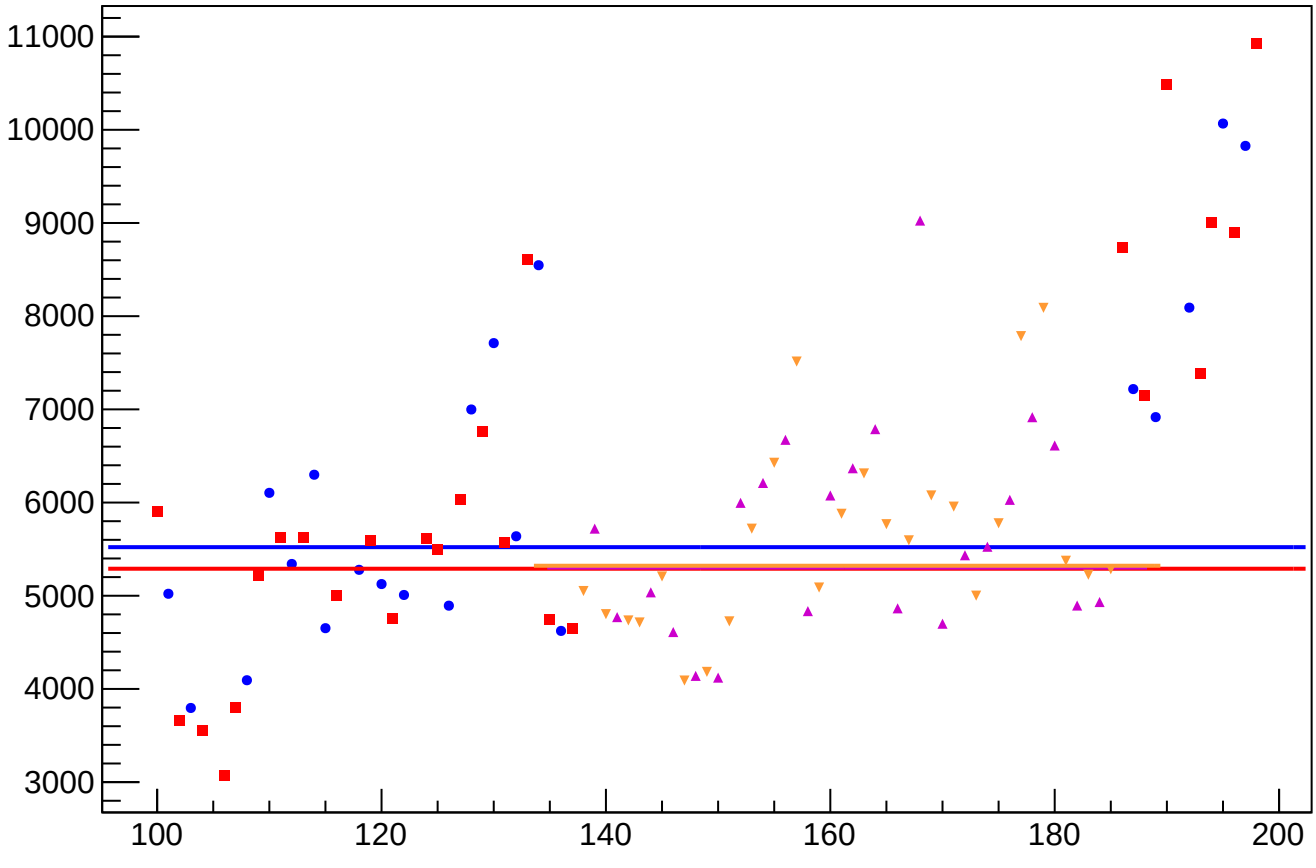
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

Right: -1588.362+/-1182.084 χ^2/NDF: 43.8/46

In: -433.676+/-1027.876 χ^2/NDF:34.5/43

Out: -466.271+/-974.224 χ^2/NDF:51.6/50

All: -450.846+/-707.087 χ^2/NDF: 86.1/94



Right In: 5521.403+/-1.252 χ^2/NDF: 1624841.8/20

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5289.954+/-1.123 χ^2/NDF: 2703306.0/25

Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

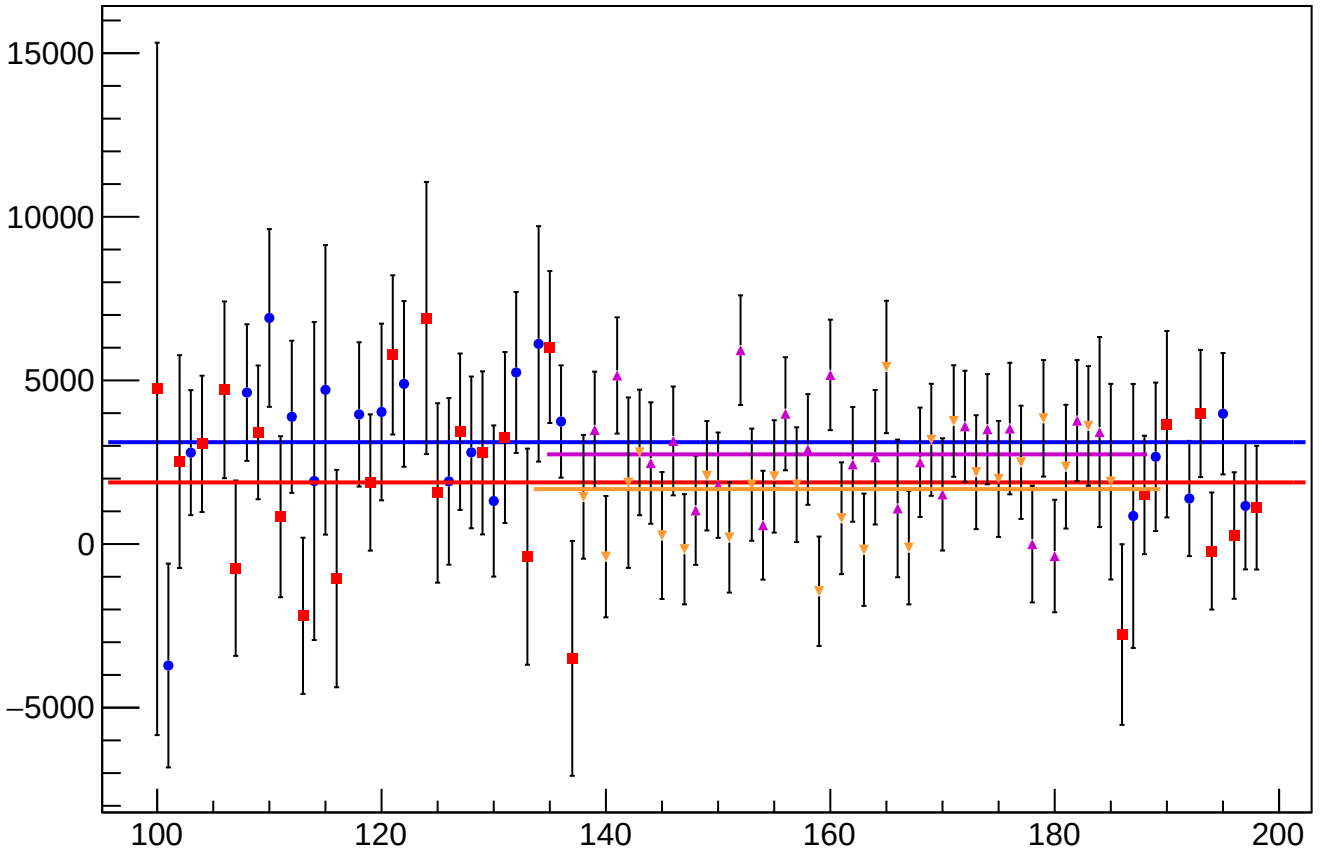
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 5393.190+/-0.836 χ^2/NDF: 4347092.8/46

In: 5376.558+/-0.727 χ^2/NDF:2797428.1/43

Out: 5309.915+/-0.689 χ^2/NDF:3740821.6/50

All: 5341.452+/-0.500 χ^2/NDF: 6542678.5/94



Right In: 3112.247+/-515.416 χ^2/NDF: 13.3/20

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: 1883.402+/-477.067 χ^2/NDF: 24.4/25

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

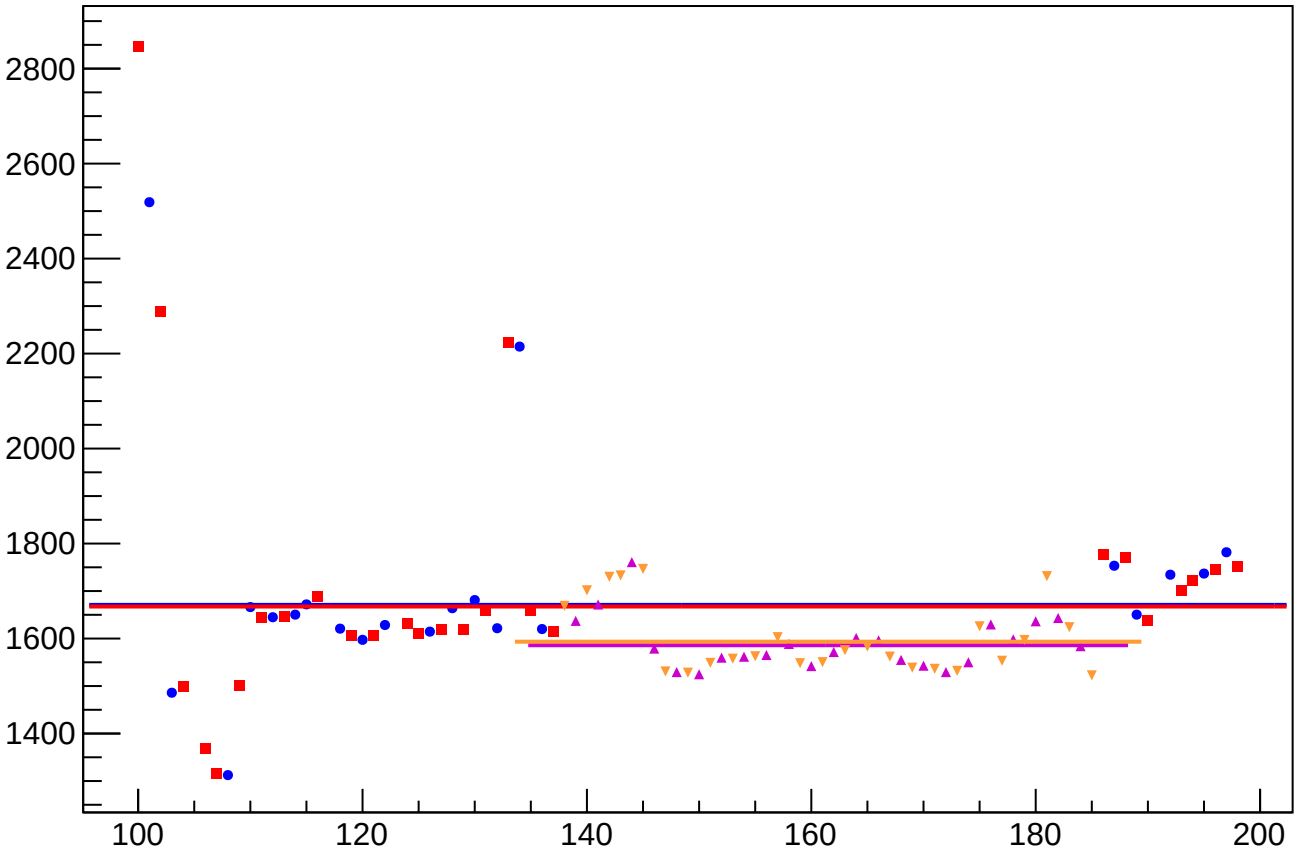
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2450.413+/-350.111 χ^2/NDF: 40.8/46

In: 2867.306+/-300.895 χ^2/NDF:32.9/43

Out: 1753.889+/-288.575 χ^2/NDF:43.4/50

All: 2287.336+/-208.273 χ^2/NDF: 83.4/94



Right In: 1670.890+/-0.364 χ^2/NDF: 291220.7/20

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

Right Out: 1667.427+/-0.337 χ^2/NDF: 266107.4/25

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

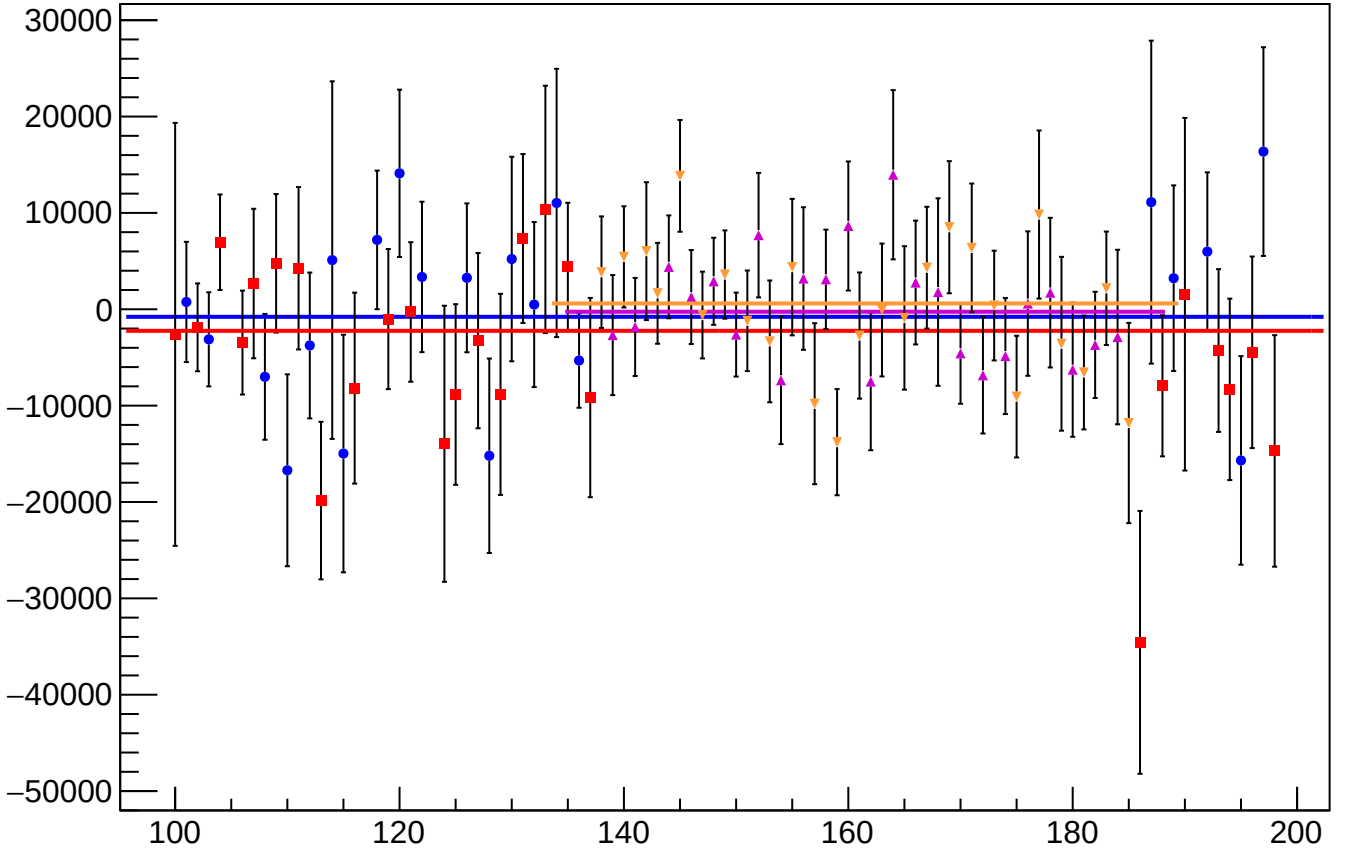
Right: 1669.024+/-0.247 χ^2/NDF: 557376.7/46

In: 1614.878+/-0.213 χ^2/NDF:368967.1/43

Out: 1620.497+/-0.204 χ^2/NDF:368550.0/50

All: 1617.806+/-0.147 χ^2/NDF: 737880.5/94

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -783.001+/-1769.947 χ^2/NDF: 19.8/20

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: -2236.817+/-1588.215 χ^2/NDF: 23.6/25

Left In: -255.907+/-1262.609 χ^2/NDF:14.6/22

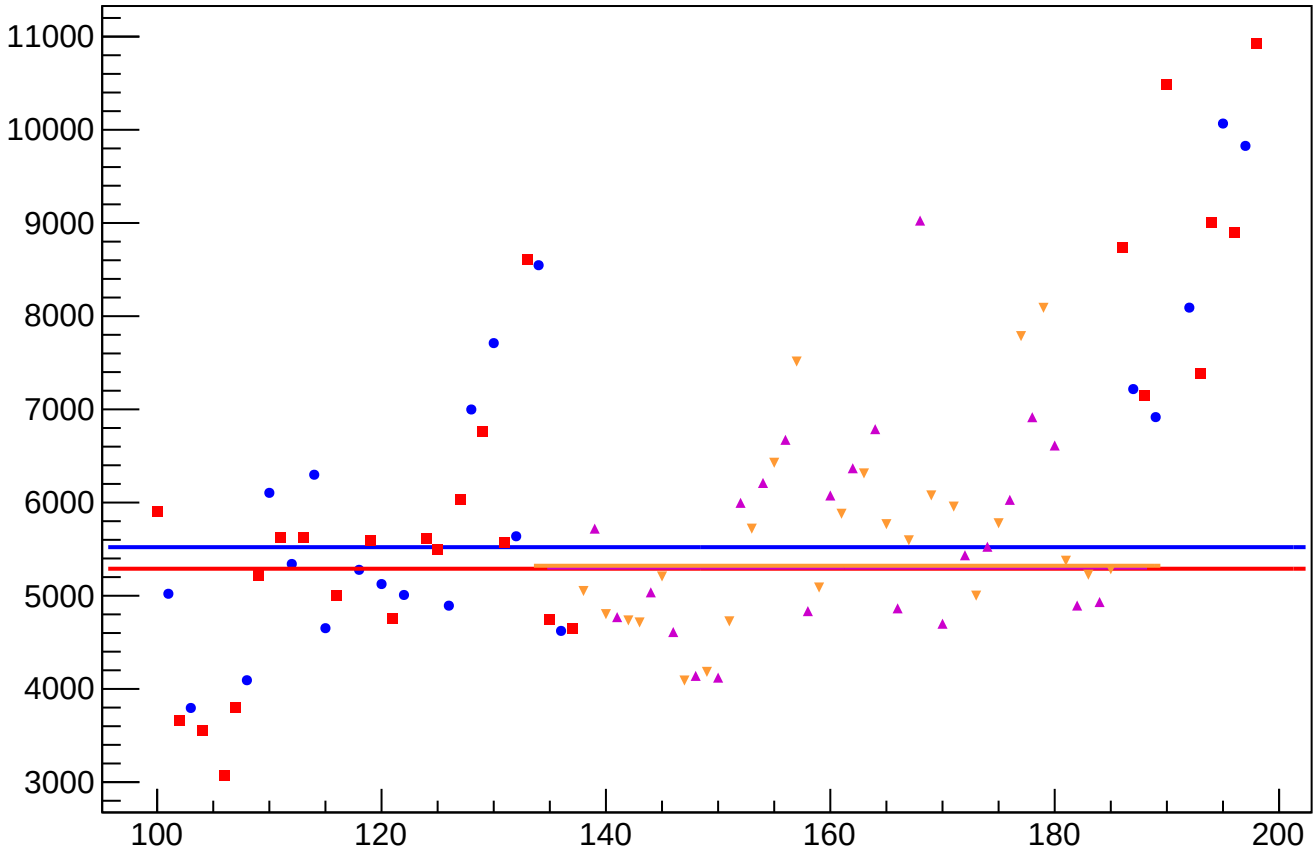
Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

Right: -1588.354+/-1182.083 χ^2/NDF: 43.8/46

In: -433.674+/-1027.877 χ^2/NDF:34.5/43

Out: -466.275+/-974.224 χ^2/NDF:51.6/50

All: -450.848+/-707.088 χ^2/NDF: 86.1/94



Right In: 5521.396+/-1.252 χ^2/NDF: 1624841.9/20

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 5289.947+/-1.123 χ^2/NDF: 2703307.9/25

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

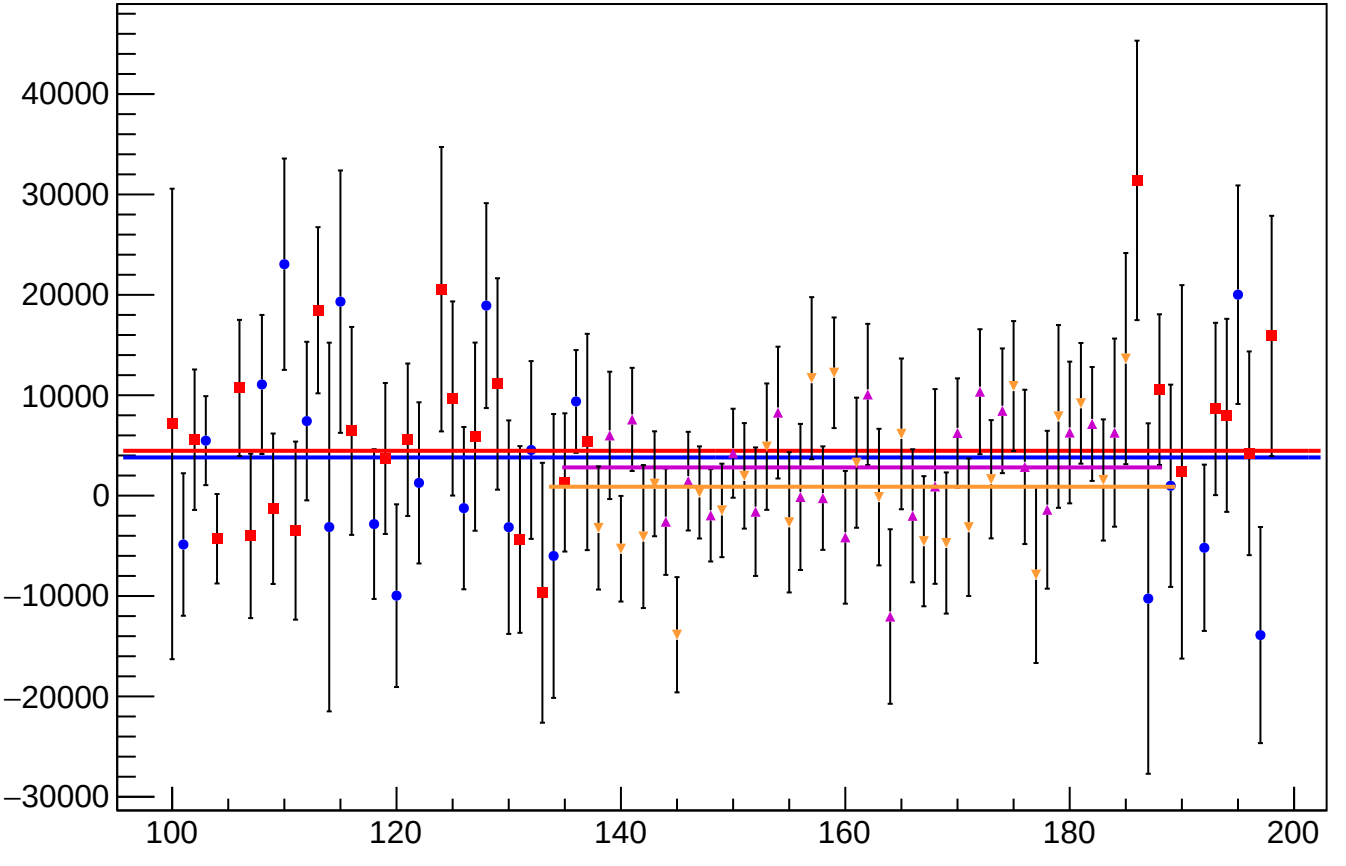
Right: 5393.183+/-0.836 χ^2/NDF: 4347094.9/46

In: 5376.562+/-0.727 χ^2/NDF:2797429.3/43

Out: 5309.918+/-0.689 χ^2/NDF:3740826.3/50

All: 5341.455+/-0.500 χ^2/NDF: 6542684.5/94

asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3805.328+/-1809.250 χ^2/NDF: 22.5/20

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: 4465.893+/-1692.784 χ^2/NDF: 20.2/25

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

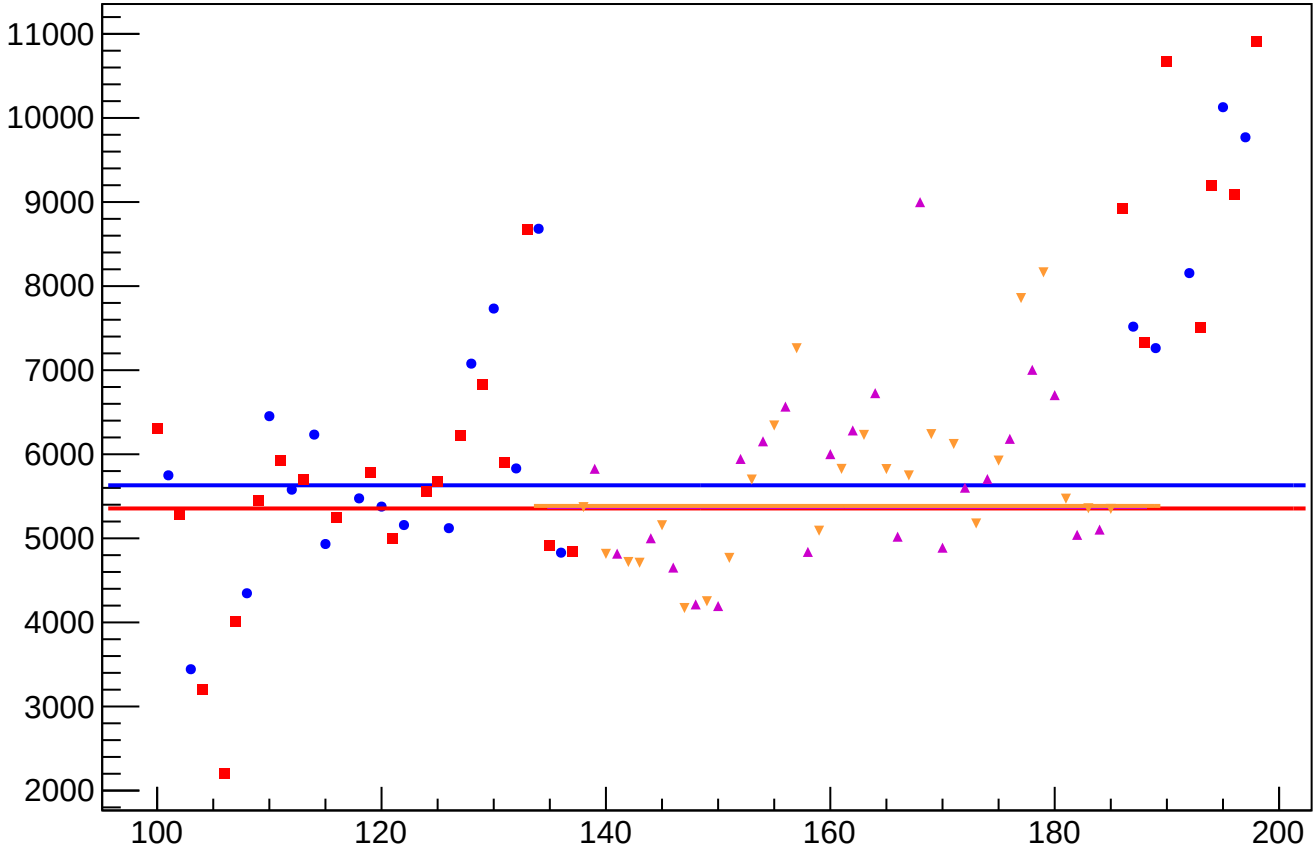
Right: 4157.554+/-1236.103 χ^2/NDF: 42.8/46

In: 3141.515+/-1043.423 χ^2/NDF:37.4/43

Out: 2144.309+/-1003.733 χ^2/NDF:48.7/50

All: 2623.585+/-723.371 χ^2/NDF: 86.6/94

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5630.834+/-1.279 χ^2/NDF: 1754286.0/20

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 5355.334+/-1.160 χ^2/NDF: 3227008.2/25

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

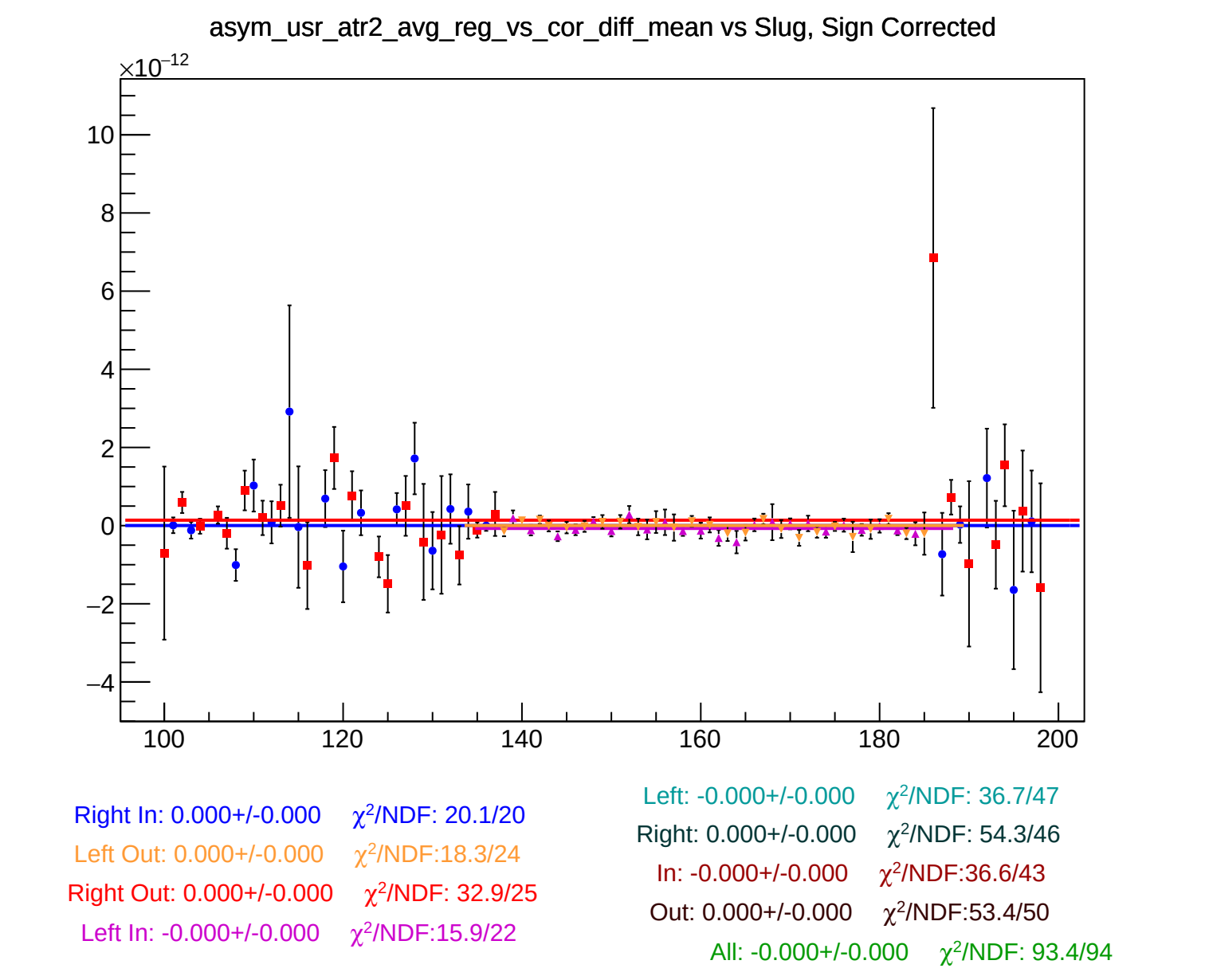
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

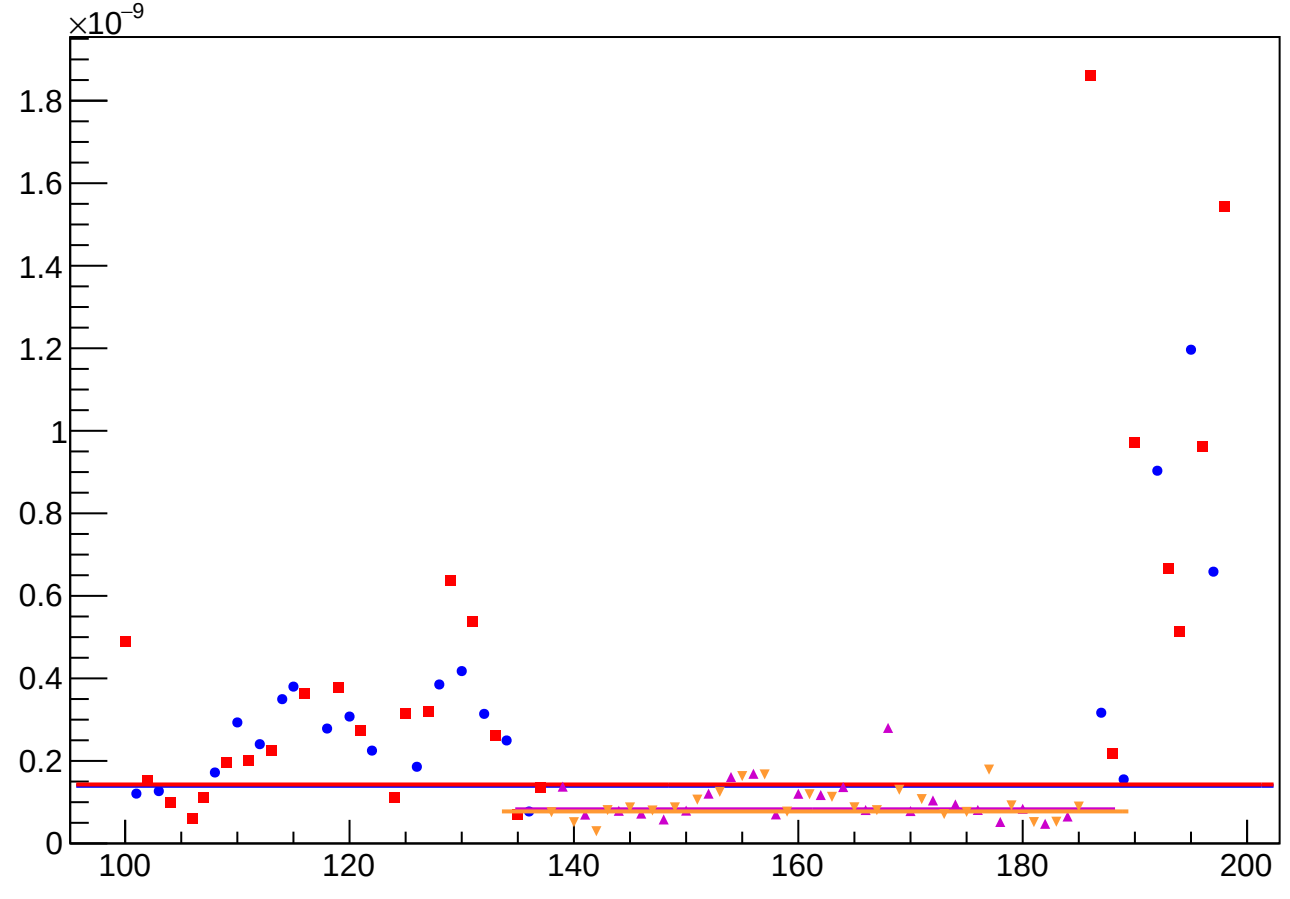
Right: 5479.581+/-0.859 χ^2/NDF: 5006754.2/46

In: 5458.667+/-0.738 χ^2/NDF:2853243.4/43

Out: 5374.550+/-0.702 χ^2/NDF:4214530.7/50

All: 5414.499+/-0.508 χ^2/NDF: 7074599.1/94


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: 20.1/20
Left Out: 0.000+/-0.000 χ²/NDF:18.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 32.9/25
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: 54.3/46
In: -0.000+/-0.000 χ²/NDF:36.6/43
Out: 0.000+/-0.000 χ²/NDF:53.4/50
All: -0.000+/-0.000 χ²/NDF: 93.4/94



Right In: 0.000+/-0.000 χ^2/NDF: 3001758.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4356148.6/25

Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

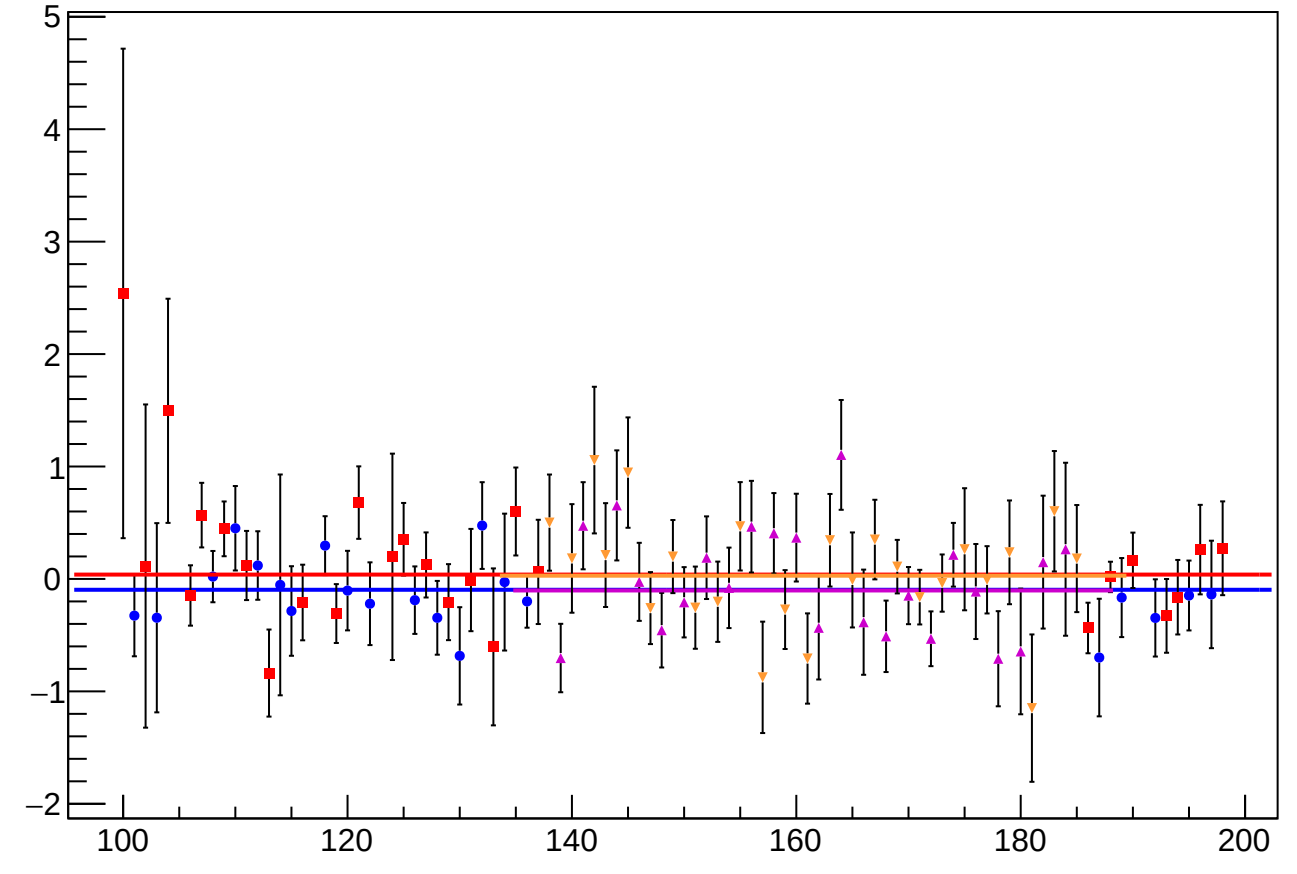
Left: 0.000+/-0.000 χ^2/NDF: 3219165.7/47

Right: 0.000+/-0.000 χ^2/NDF: 7359326.0/46

In: 0.000+/-0.000 χ^2/NDF:5337878.5/43

Out: 0.000+/-0.000 χ^2/NDF:6994005.4/50

All: 0.000+/-0.000 χ^2/NDF: 12363384.9/94



Right In: -0.096+/-0.076 χ^2/NDF: 12.8/20

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.039+/-0.061 χ^2/NDF: 33.1/25

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

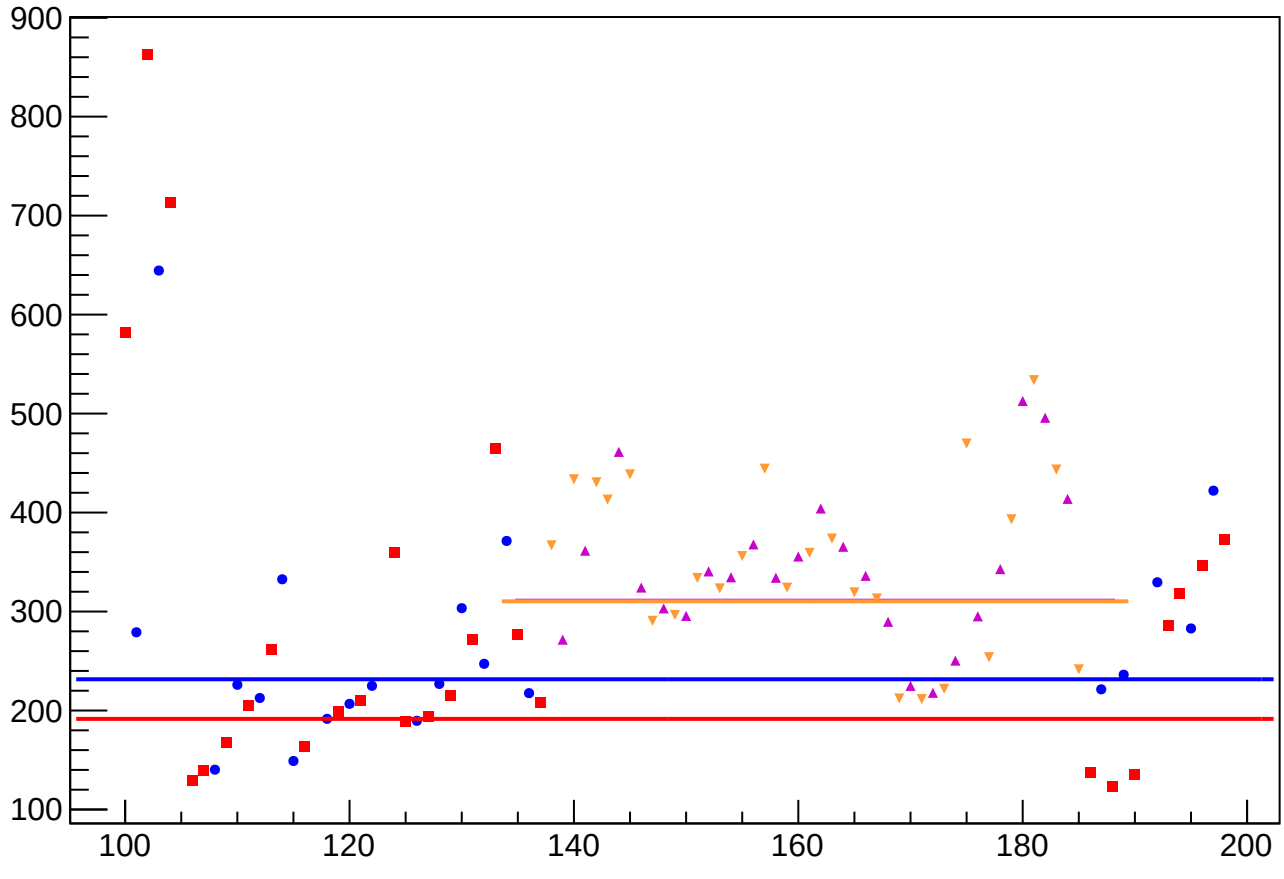
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.014+/-0.048 χ^2/NDF: 47.8/46

In: -0.099+/-0.054 χ^2/NDF:45.1/43

Out: 0.035+/-0.047 χ^2/NDF:58.4/50

All: -0.024+/-0.036 χ^2/NDF: 107.0/94



Right In: 231.571+/-0.054 χ^2/NDF: 1755748.0/20

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 191.549+/-0.043 χ^2/NDF: 3747113.1/25

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

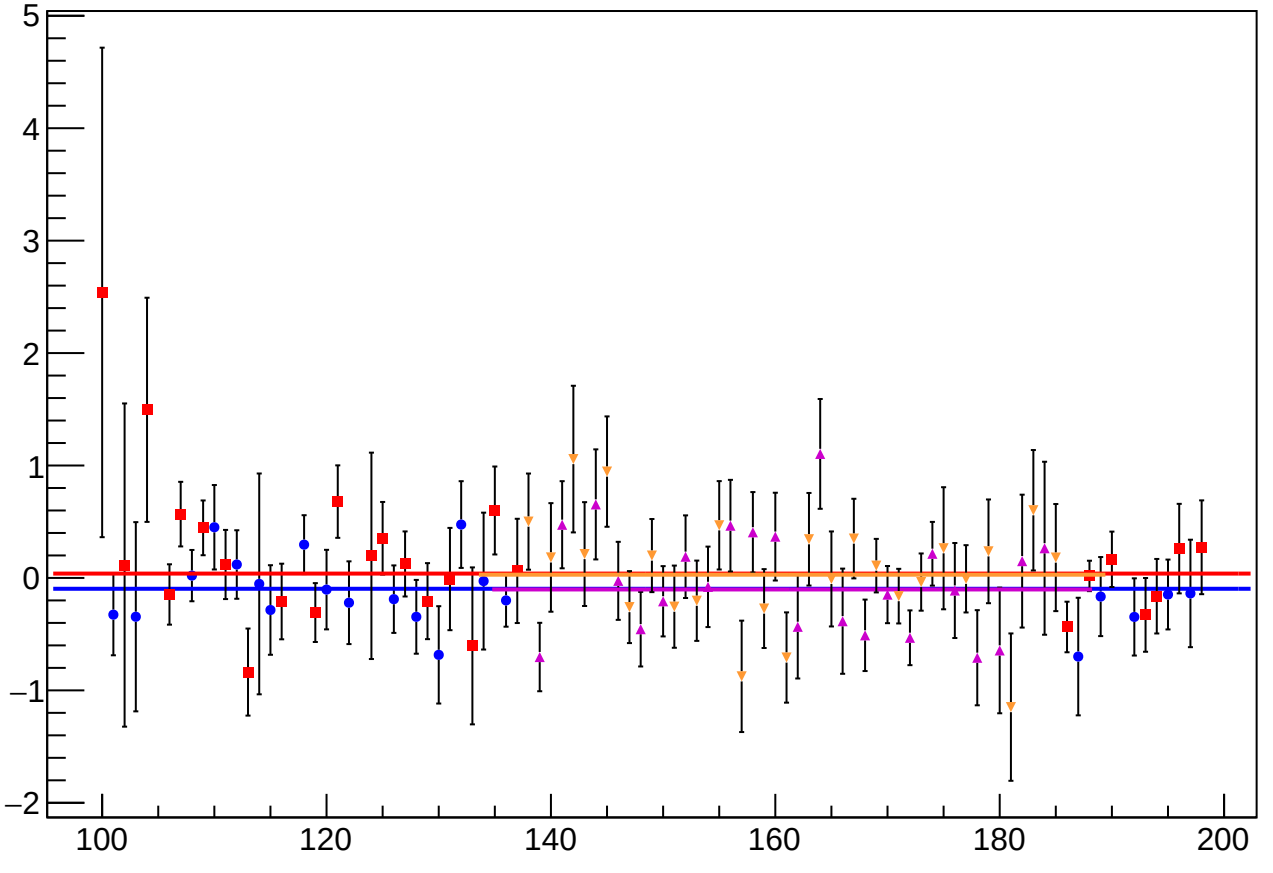
Right: 207.266+/-0.034 χ^2/NDF: 5837194.9/46

In: 271.280+/-0.038 χ^2/NDF:4439658.8/43

Out: 239.424+/-0.034 χ^2/NDF:9133499.4/50

All: 253.307+/-0.025 χ^2/NDF: 13966885.2/94

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.096+/-0.076 χ^2/NDF: 12.8/20

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.039+/-0.061 χ^2/NDF: 33.1/25

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

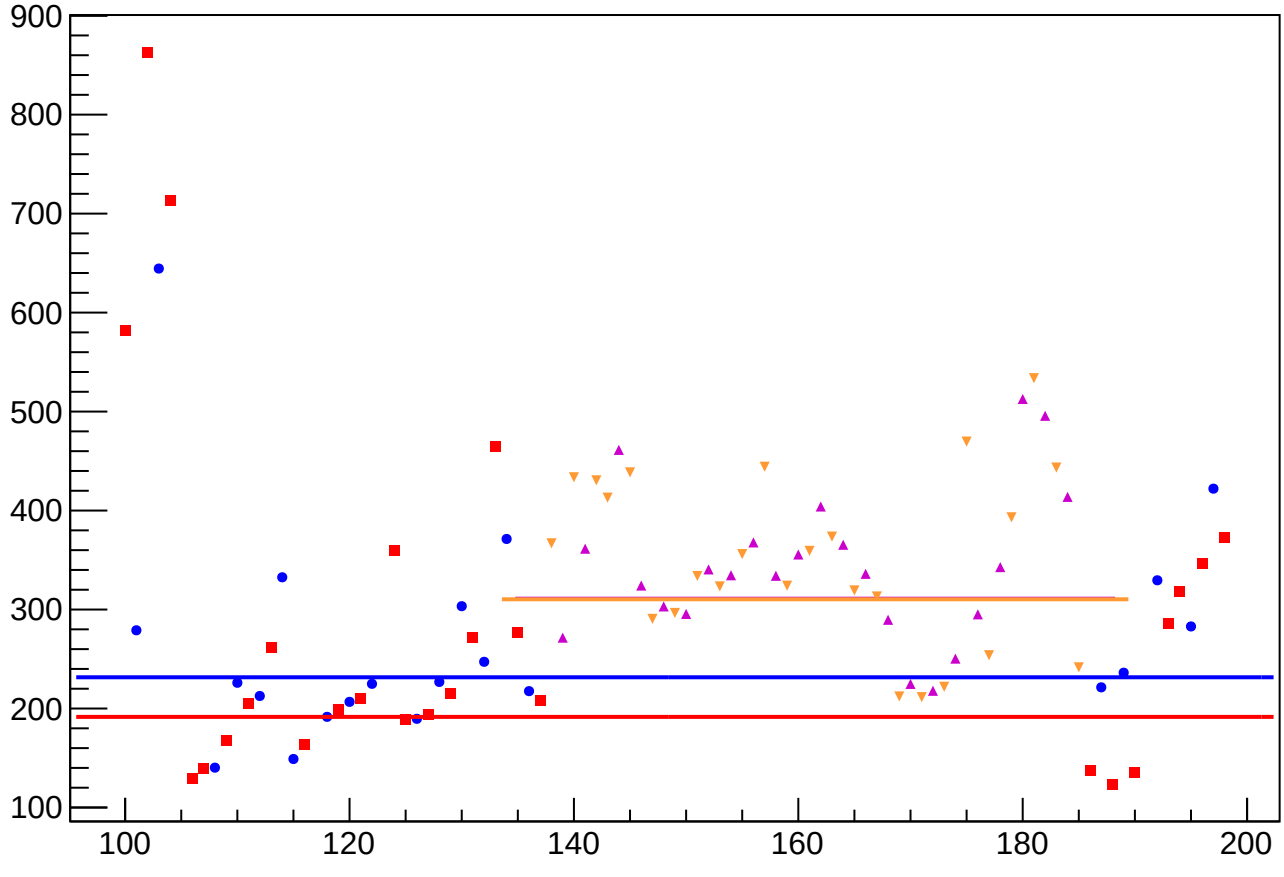
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.014+/-0.048 χ^2/NDF: 47.8/46

In: -0.099+/-0.054 χ^2/NDF:45.1/43

Out: 0.035+/-0.047 χ^2/NDF:58.4/50

All: -0.024+/-0.036 χ^2/NDF: 107.0/94



Right In: 231.571+/-0.054 χ^2/NDF: 1755748.0/20

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 191.549+/-0.043 χ^2/NDF: 3747113.1/25

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

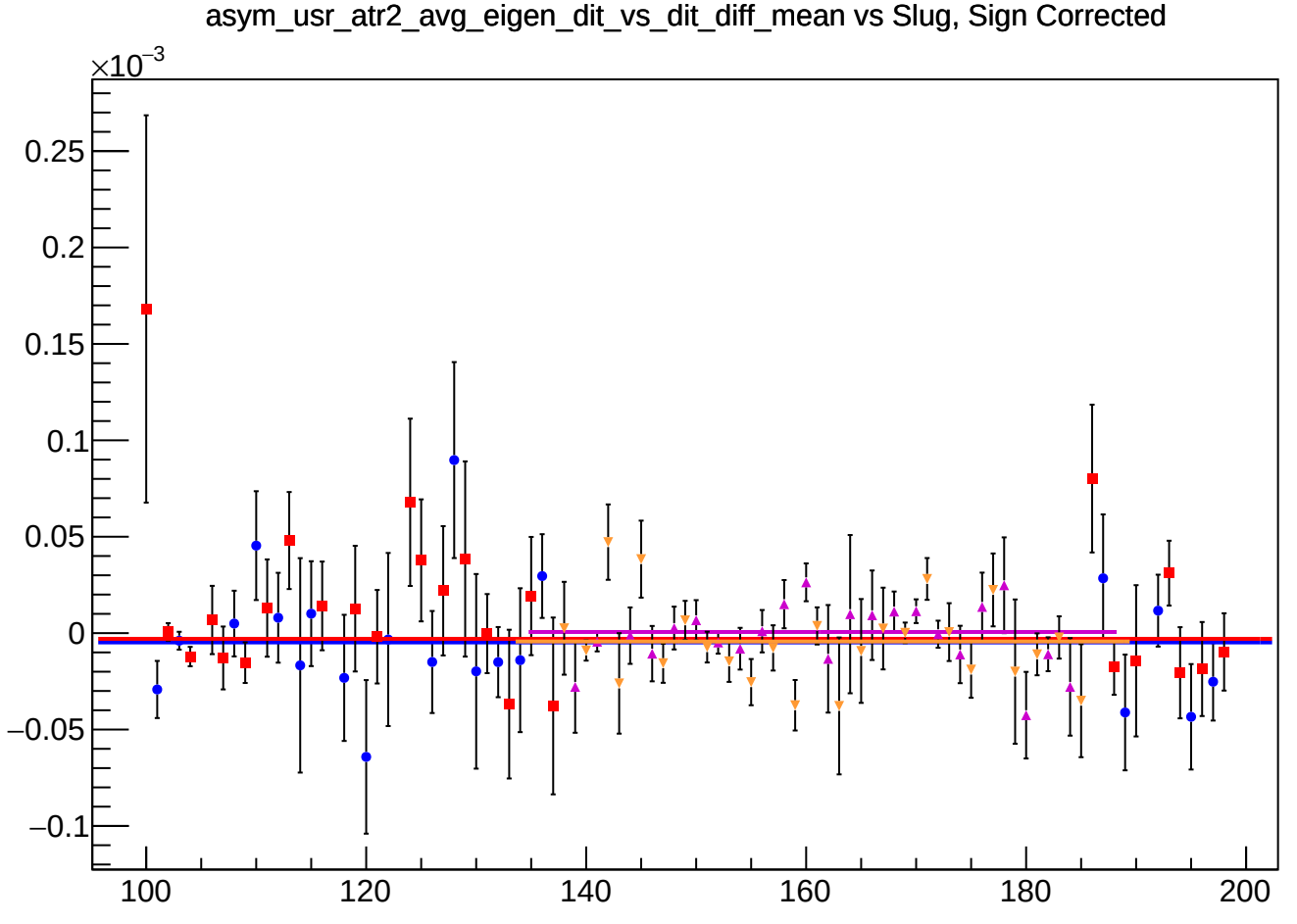
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

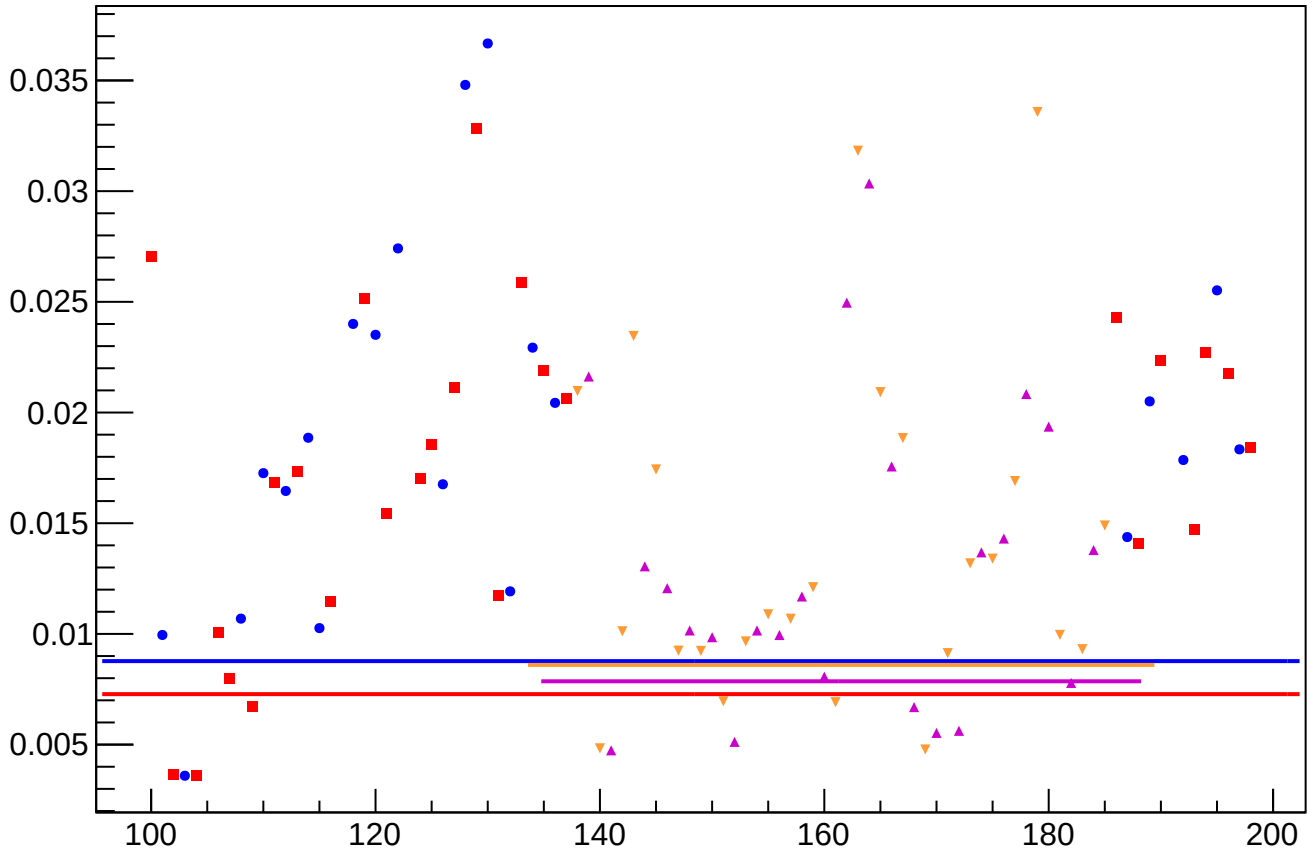
Right: 207.266+/-0.034 χ^2/NDF: 5837194.9/46

In: 271.280+/-0.038 χ^2/NDF:4439658.8/43

Out: 239.424+/-0.034 χ^2/NDF:9133499.4/50

All: 253.307+/-0.025 χ^2/NDF: 13966885.2/94


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 22.3/20
Left Out: -0.000+/-0.000 χ²/NDF:42.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 32.6/25
Left In: 0.000+/-0.000 χ²/NDF:26.6/22
Left: -0.000+/-0.000 χ²/NDF: 71.4/47
Right: -0.000+/-0.000 χ²/NDF: 55.0/46
In: -0.000+/-0.000 χ²/NDF:50.5/43
Out: -0.000+/-0.000 χ²/NDF:75.0/50
All: -0.000+/-0.000 χ²/NDF: 126.9/94



Right In: 0.009+/-0.000 χ^2/NDF: 8349885.8/20

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

Right Out: 0.007+/-0.000 χ^2/NDF: 10040420.1/25

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

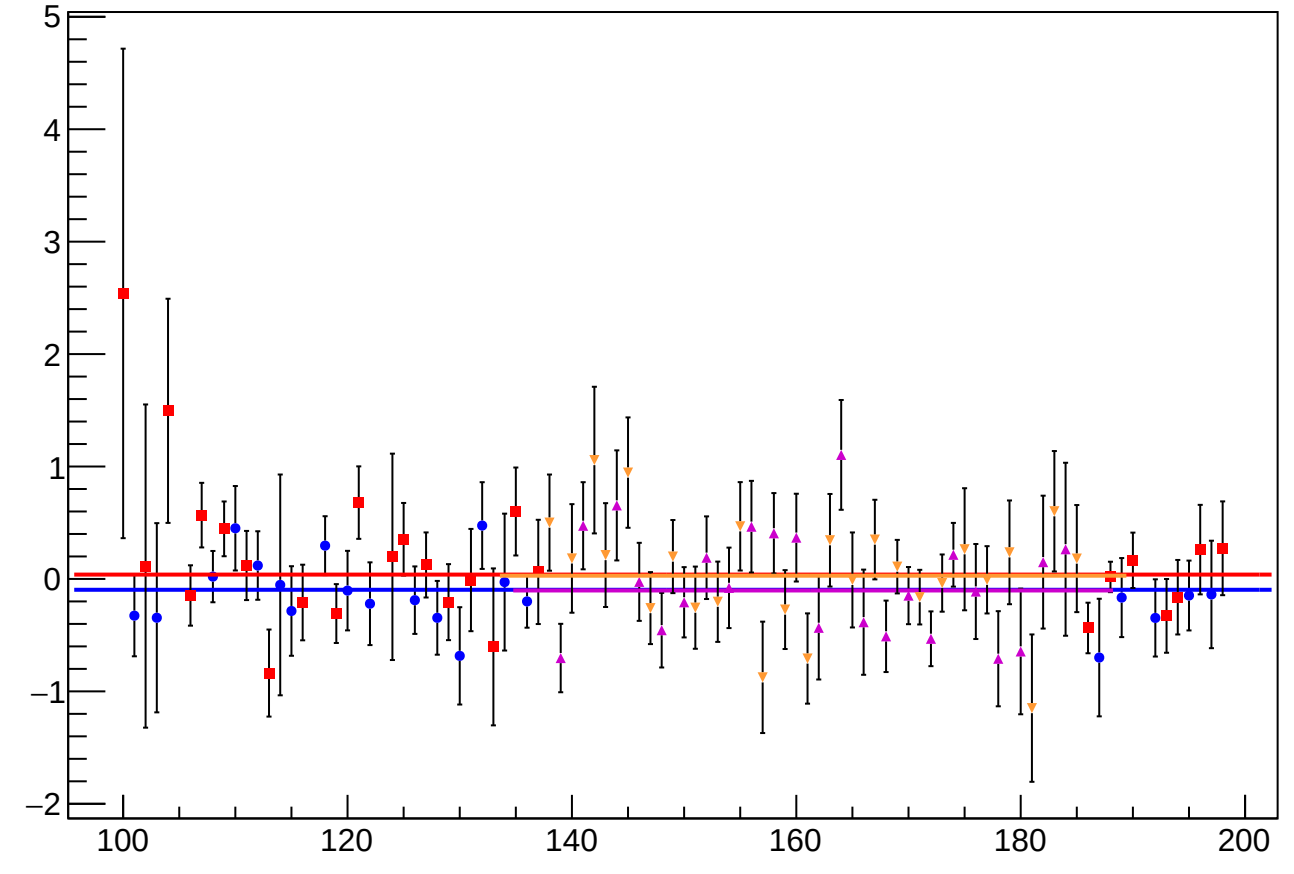
Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

Right: 0.008+/-0.000 χ^2/NDF: 18610871.3/46

In: 0.008+/-0.000 χ^2/NDF:15225398.2/43

Out: 0.008+/-0.000 χ^2/NDF:17973230.9/50

All: 0.008+/-0.000 χ^2/NDF: 33199055.2/94



Right In: -0.096+/-0.076 χ^2/NDF: 12.8/20

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.039+/-0.061 χ^2/NDF: 33.1/25

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

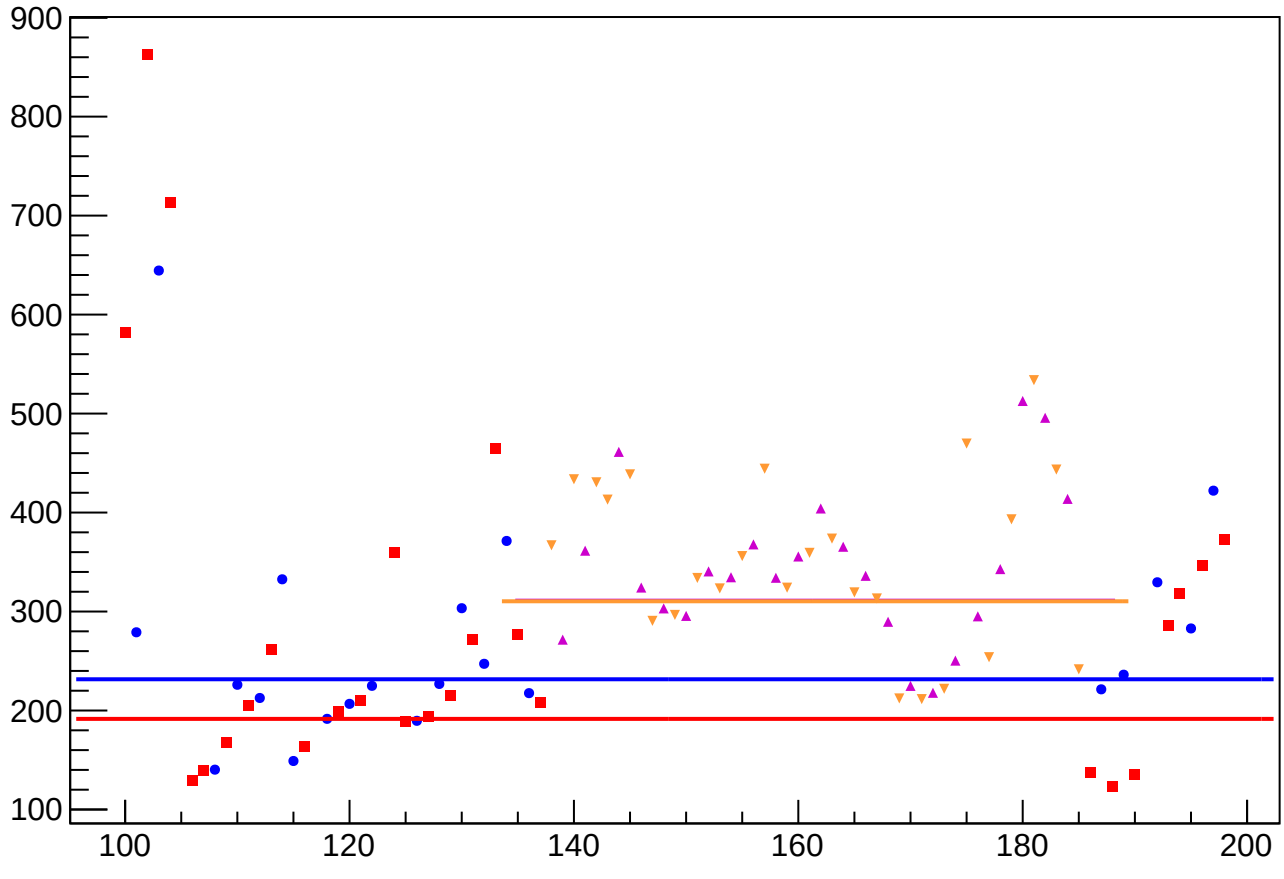
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.014+/-0.048 χ^2/NDF: 47.8/46

In: -0.099+/-0.054 χ^2/NDF:45.1/43

Out: 0.035+/-0.047 χ^2/NDF:58.4/50

All: -0.024+/-0.036 χ^2/NDF: 107.0/94



Right In: 231.570+/-0.054 χ^2/NDF: 1755714.7/20

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 191.547+/-0.043 χ^2/NDF: 3747221.0/25

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

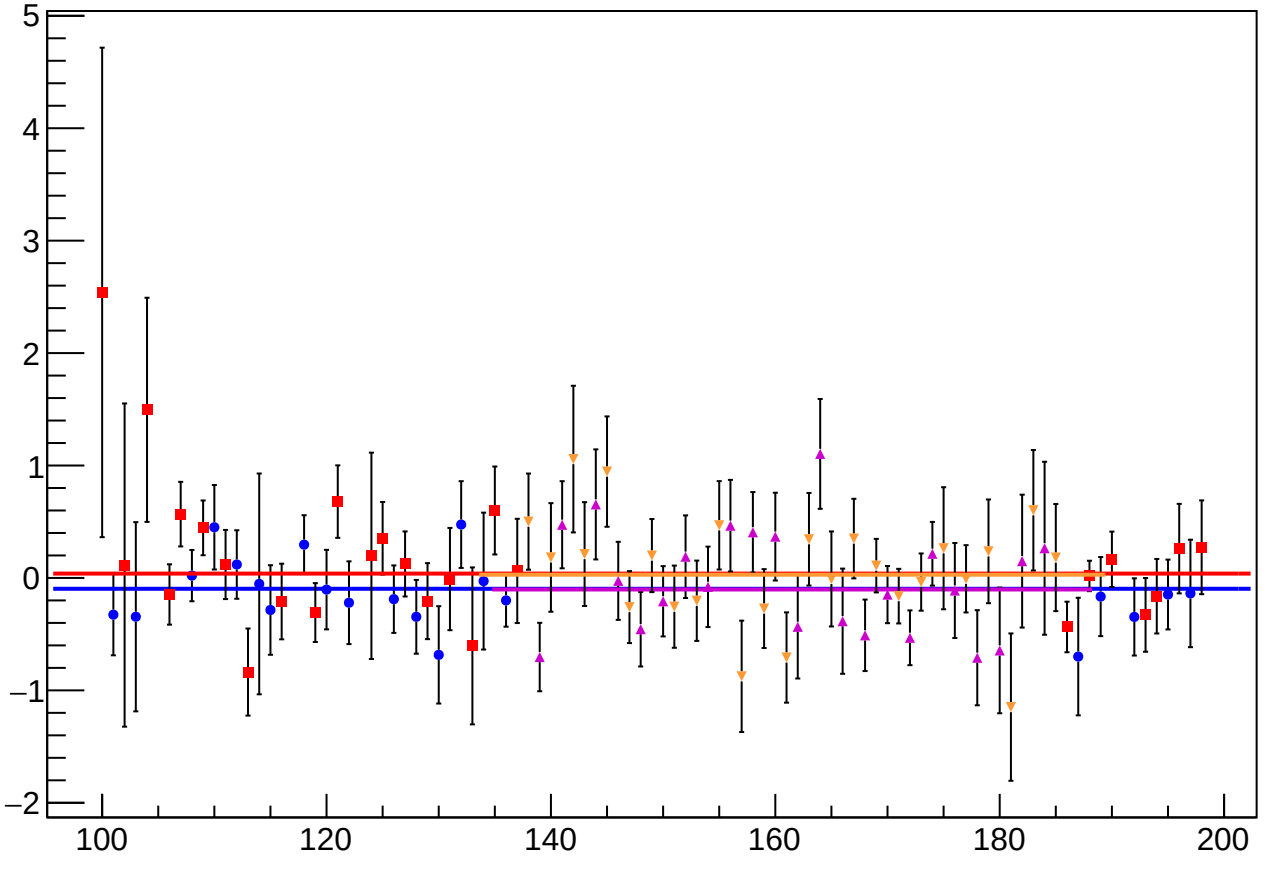
Right: 207.264+/-0.034 χ^2/NDF: 5837303.7/46

In: 271.280+/-0.038 χ^2/NDF:4439774.7/43

Out: 239.422+/-0.034 χ^2/NDF:9133968.5/50

All: 253.306+/-0.025 χ^2/NDF: 13967522.9/94

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.096+/-0.076 χ^2/NDF: 12.8/20

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.039+/-0.061 χ^2/NDF: 33.1/25

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

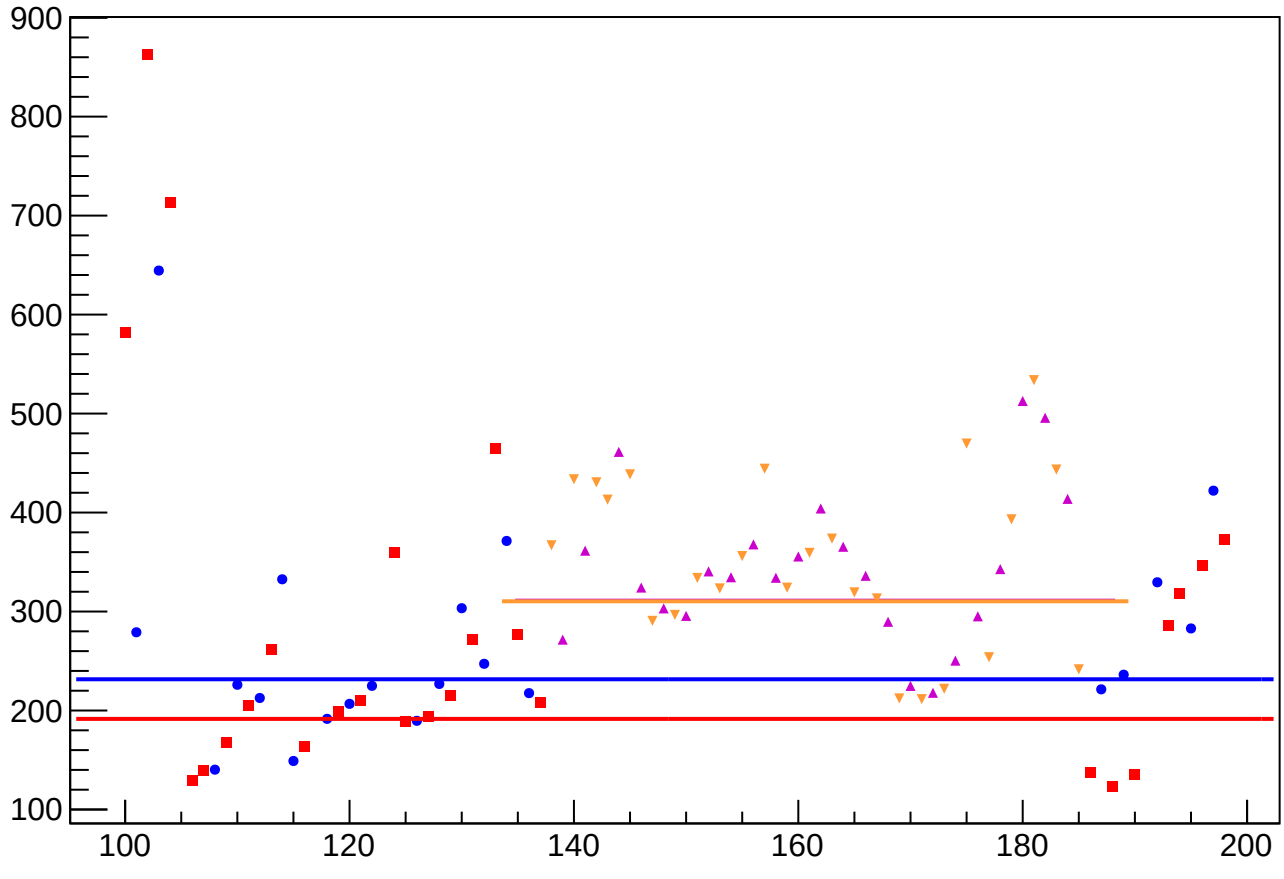
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.014+/-0.048 χ^2/NDF: 47.8/46

In: -0.099+/-0.054 χ^2/NDF:45.1/43

Out: 0.035+/-0.047 χ^2/NDF:58.4/50

All: -0.024+/-0.036 χ^2/NDF: 107.0/94



Right In: 231.570+/-0.054 χ^2/NDF: 1755714.7/20

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 191.547+/-0.043 χ^2/NDF: 3747221.0/25

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

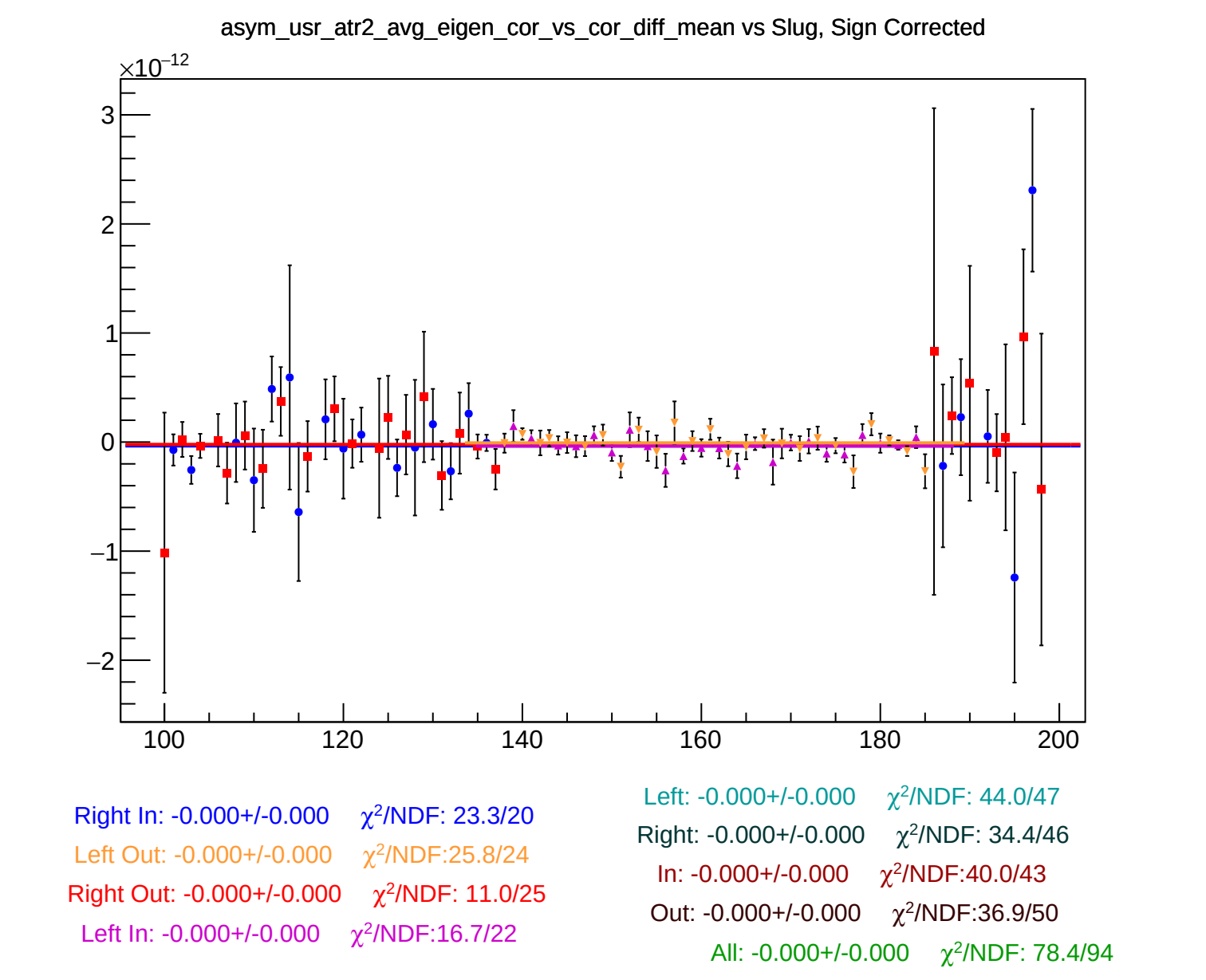
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

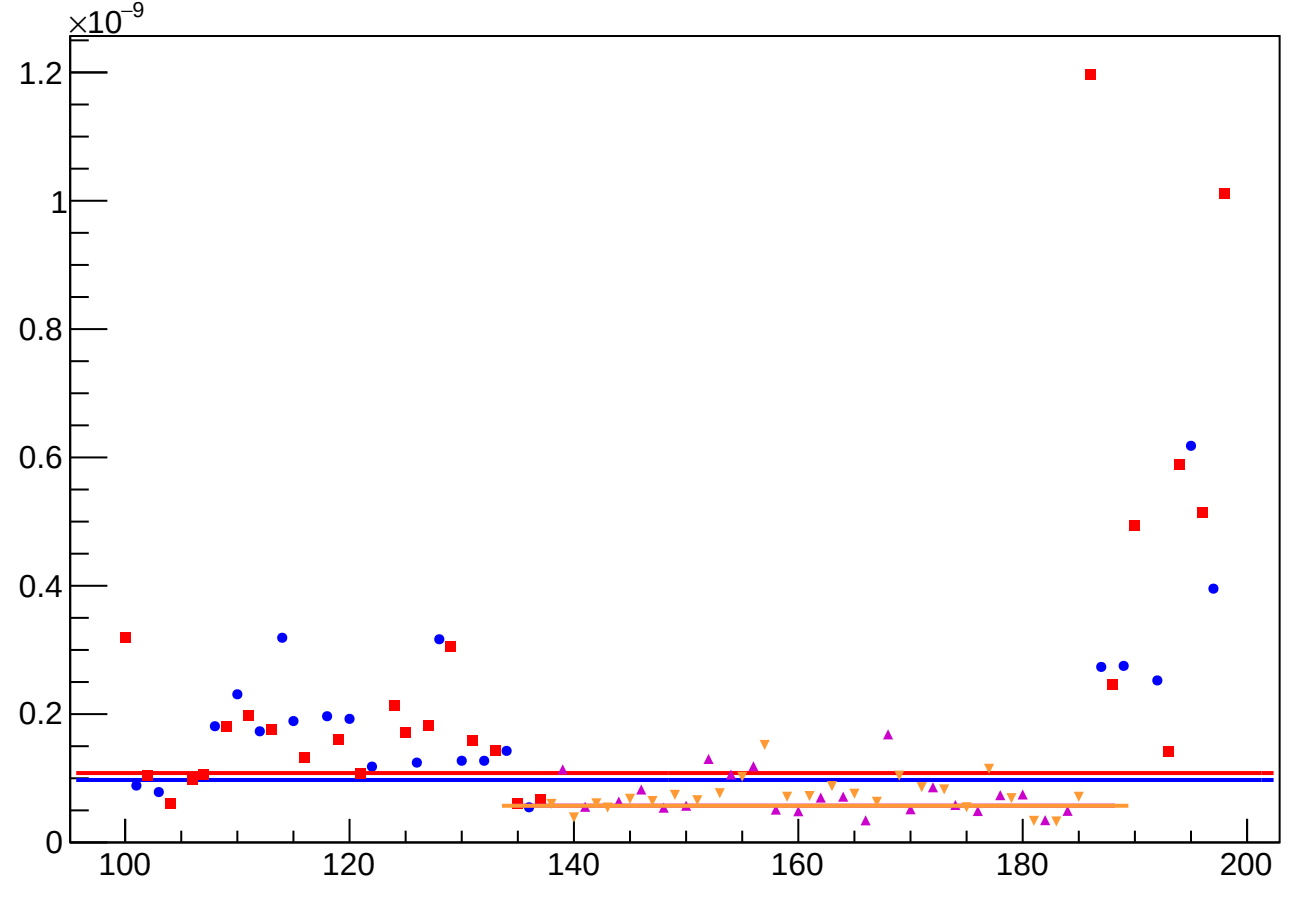
Right: 207.264+/-0.034 χ^2/NDF: 5837303.7/46

In: 271.280+/-0.038 χ^2/NDF:4439774.7/43

Out: 239.422+/-0.034 χ^2/NDF:9133968.5/50

All: 253.306+/-0.025 χ^2/NDF: 13967522.9/94


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: 23.3/20
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 11.0/25
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: 34.4/46
In: -0.000+/-0.000 χ²/NDF:40.0/43
Out: -0.000+/-0.000 χ²/NDF:36.9/50
All: -0.000+/-0.000 χ²/NDF: 78.4/94



Right In: 0.000+/-0.000 χ^2/NDF: 3354999.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4776415.8/25

Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

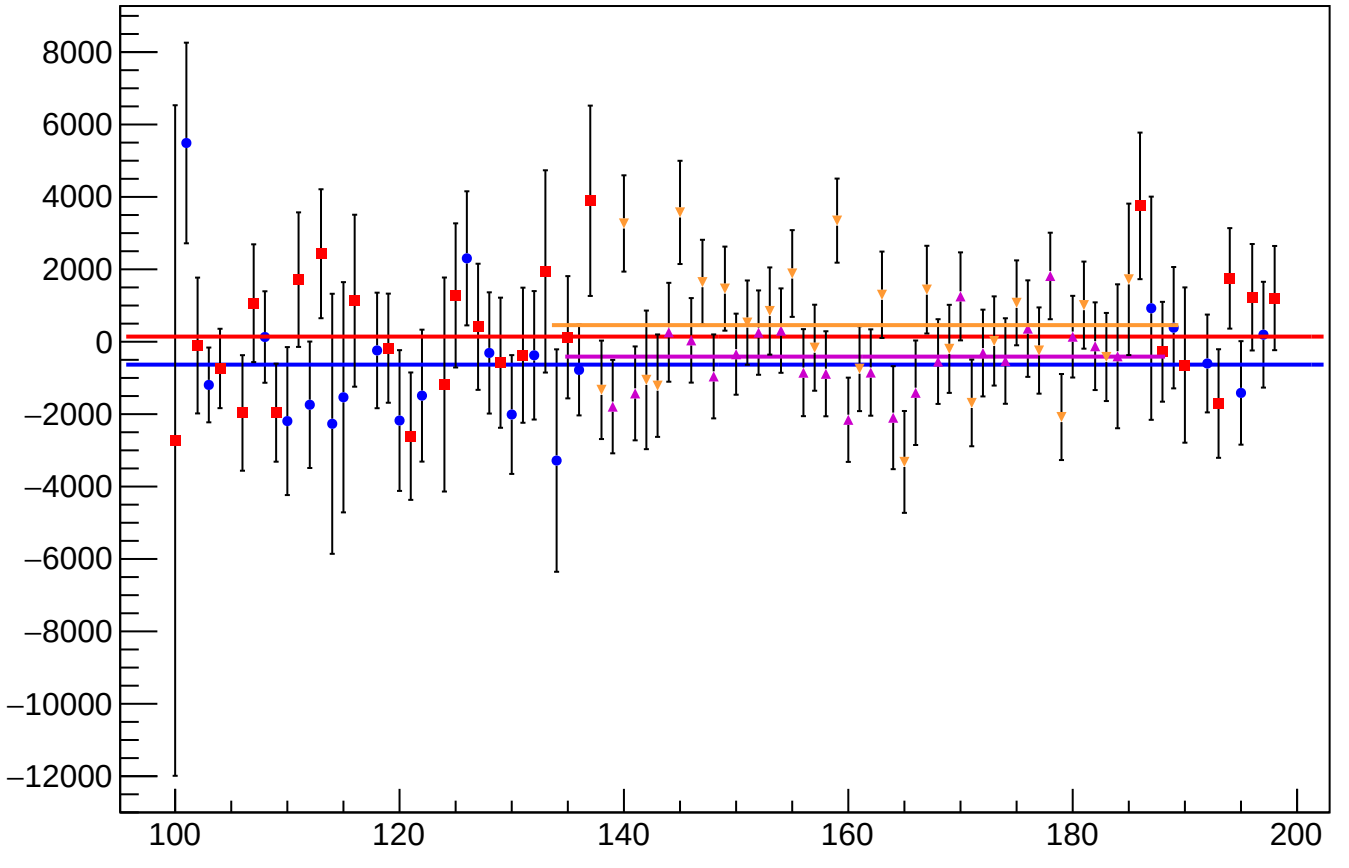
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

Right: 0.000+/-0.000 χ^2/NDF: 8178395.9/46

In: 0.000+/-0.000 χ^2/NDF:7829611.5/43

Out: 0.000+/-0.000 χ^2/NDF:9930544.8/50

All: 0.000+/-0.000 χ^2/NDF: 17761230.9/94



Right In: -632.386+/-366.573 χ^2/NDF: 13.0/20

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: 142.045+/-337.023 χ^2/NDF: 20.9/25

Left In: -411.262+/-257.201 χ^2/NDF:13.7/22

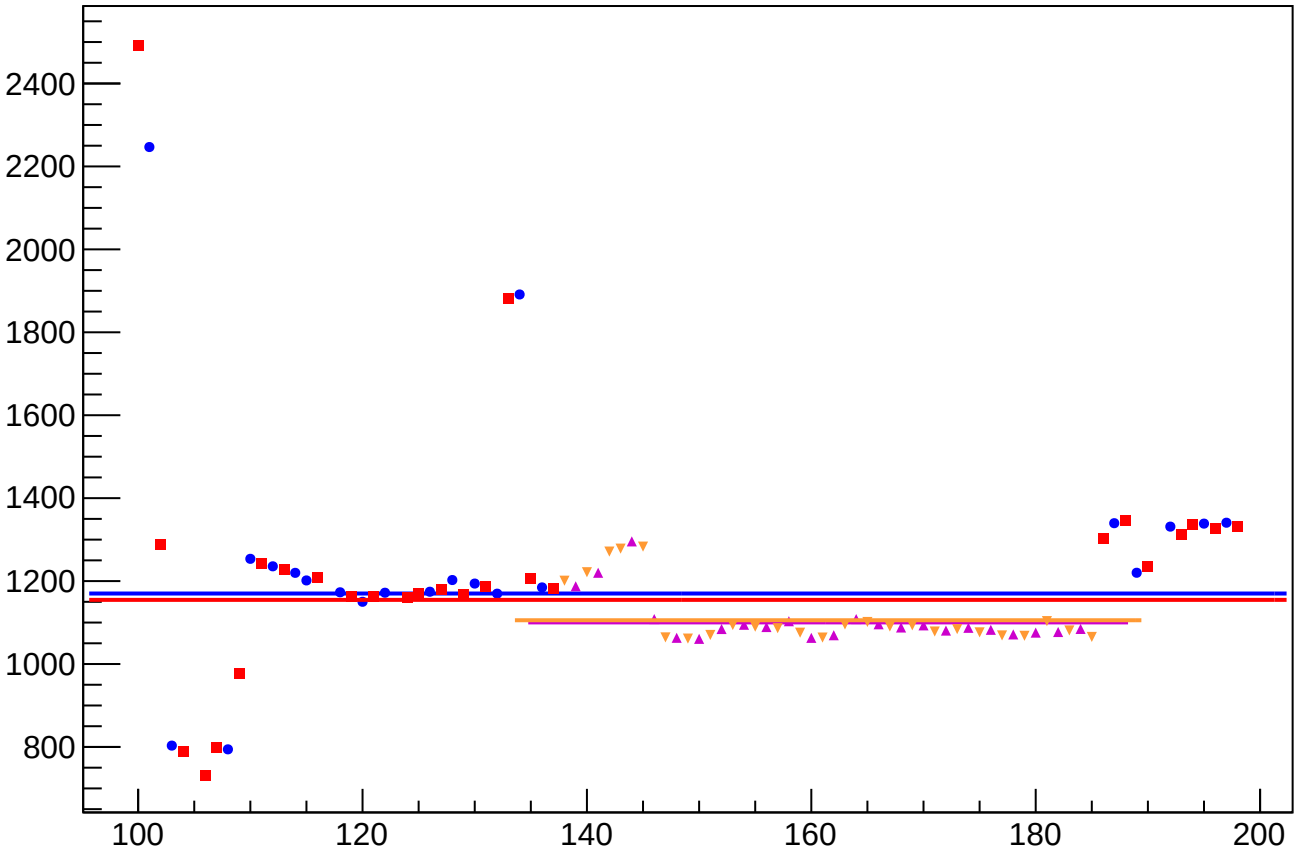
Left: 33.443+/-179.833 χ^2/NDF: 61.6/47

Right: -212.703+/-248.101 χ^2/NDF: 36.3/46

In: -484.209+/-210.545 χ^2/NDF:26.9/43

Out: 345.468+/-201.583 χ^2/NDF:63.5/50

All: -51.337+/-145.606 χ^2/NDF: 98.5/94



Right In: 1170.028+/-0.259 χ^2/NDF: 941331.8/20

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1154.697+/-0.237 χ^2/NDF: 893595.3/25

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

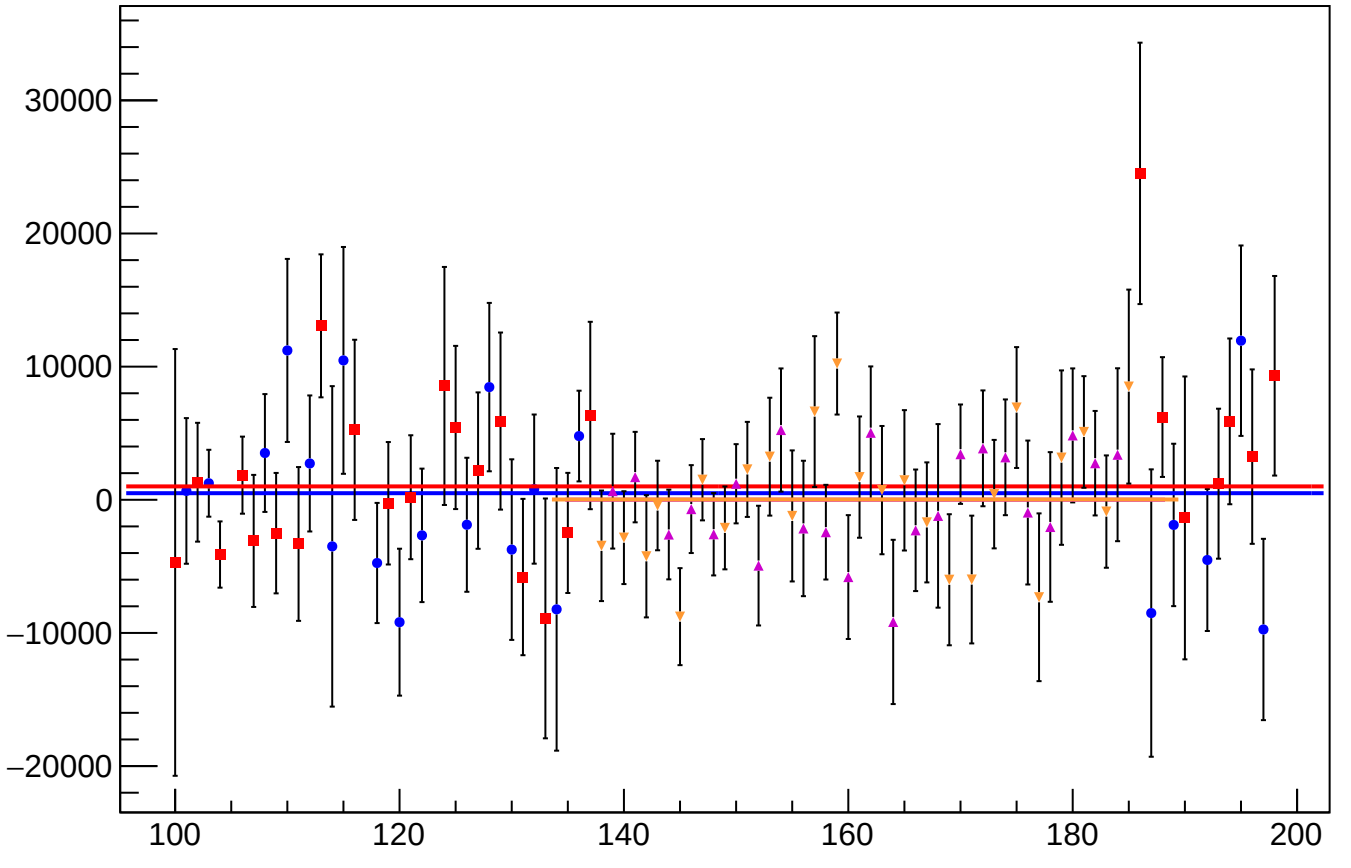
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1161.677+/-0.175 χ^2/NDF: 1836832.7/46

In: 1123.336+/-0.149 χ^2/NDF:1069994.6/43

Out: 1123.258+/-0.142 χ^2/NDF:1043057.7/50

All: 1123.295+/-0.103 χ^2/NDF: 2113052.4/94



Right In: 495.599+/-1139.758 χ^2/NDF: 20.5/20

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: 1005.690+/-1013.753 χ^2/NDF: 26.5/25

Left In: 6.317+/-875.256 χ^2/NDF:14.0/22

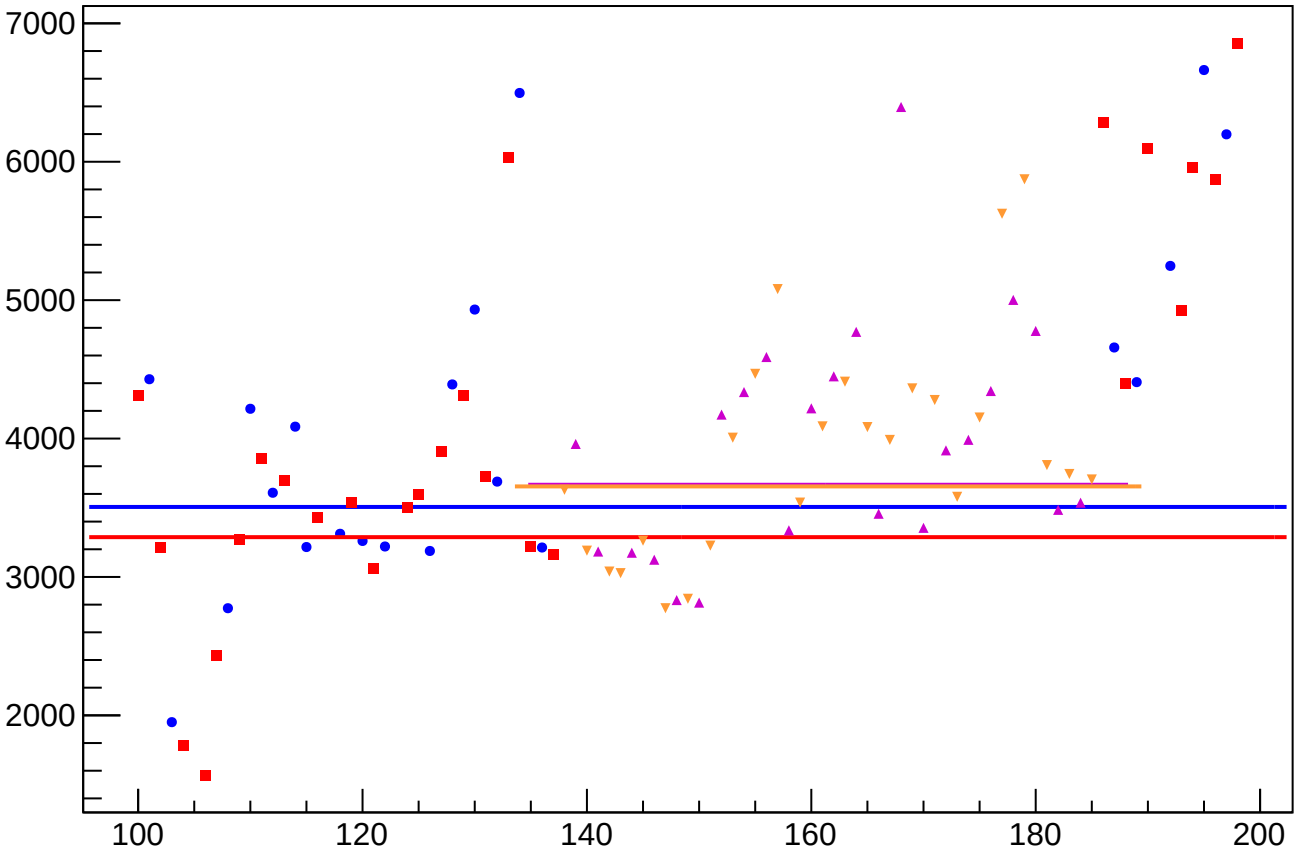
Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

Right: 780.388+/-757.479 χ^2/NDF: 47.1/46

In: 187.820+/-694.184 χ^2/NDF:34.6/43

Out: 429.108+/-651.522 χ^2/NDF:55.5/50

All: 316.106+/-475.062 χ^2/NDF: 90.2/94



Right In: 3505.886+/-0.806 χ^2/NDF: 2214734.3/20

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3287.604+/-0.717 χ^2/NDF: 3573508.2/25

Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

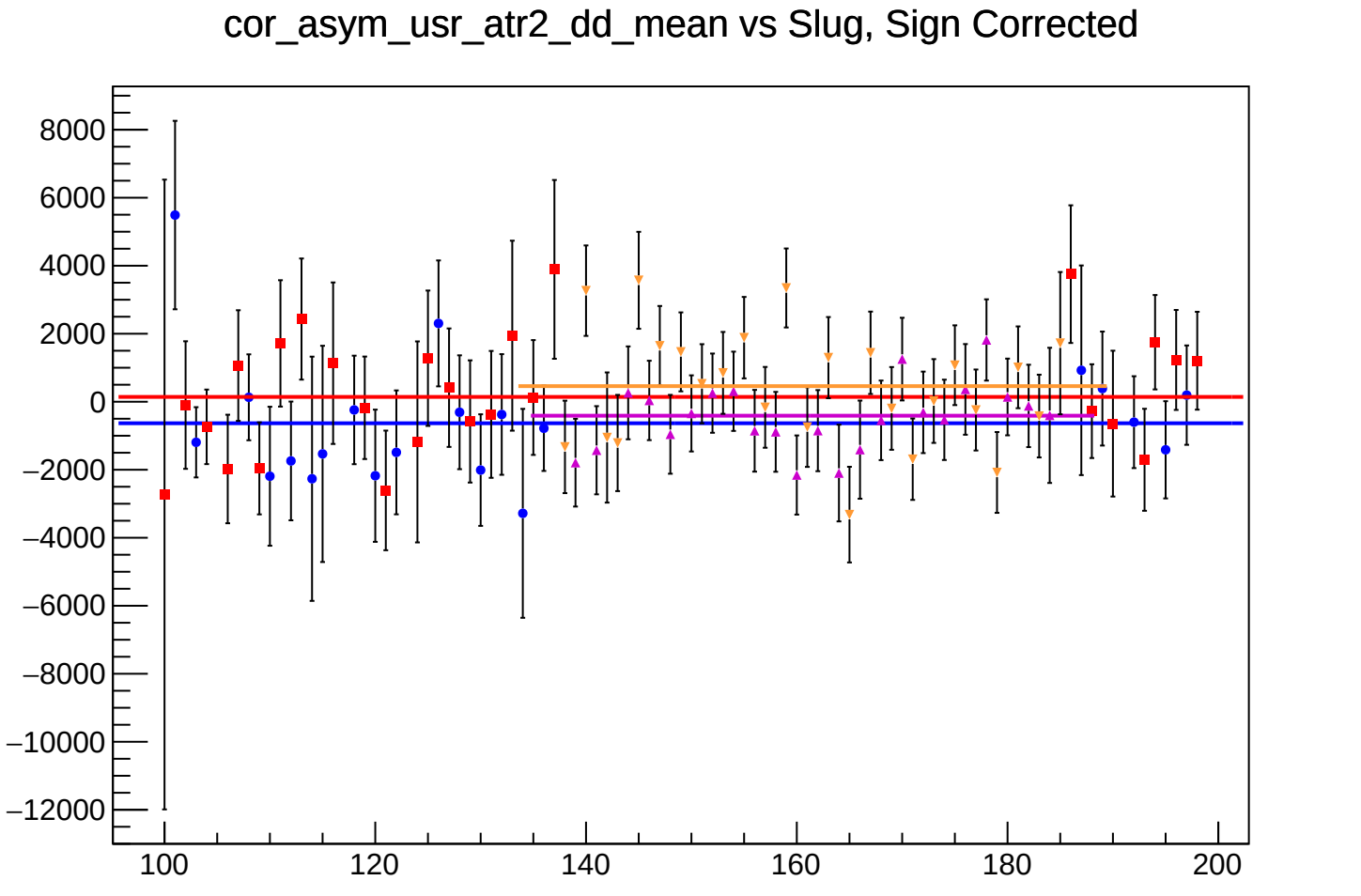
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

Right: 3384.016+/-0.536 χ^2/NDF: 5829198.6/46

In: 3606.678+/-0.491 χ^2/NDF:3583308.2/43

Out: 3502.779+/-0.461 χ^2/NDF:5038782.4/50

All: 3551.438+/-0.336 χ^2/NDF: 8645911.0/94



Right In: -632.387+/-366.573 χ^2/NDF: 13.0/20

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 141.855+/-337.026 χ^2/NDF: 20.9/25

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

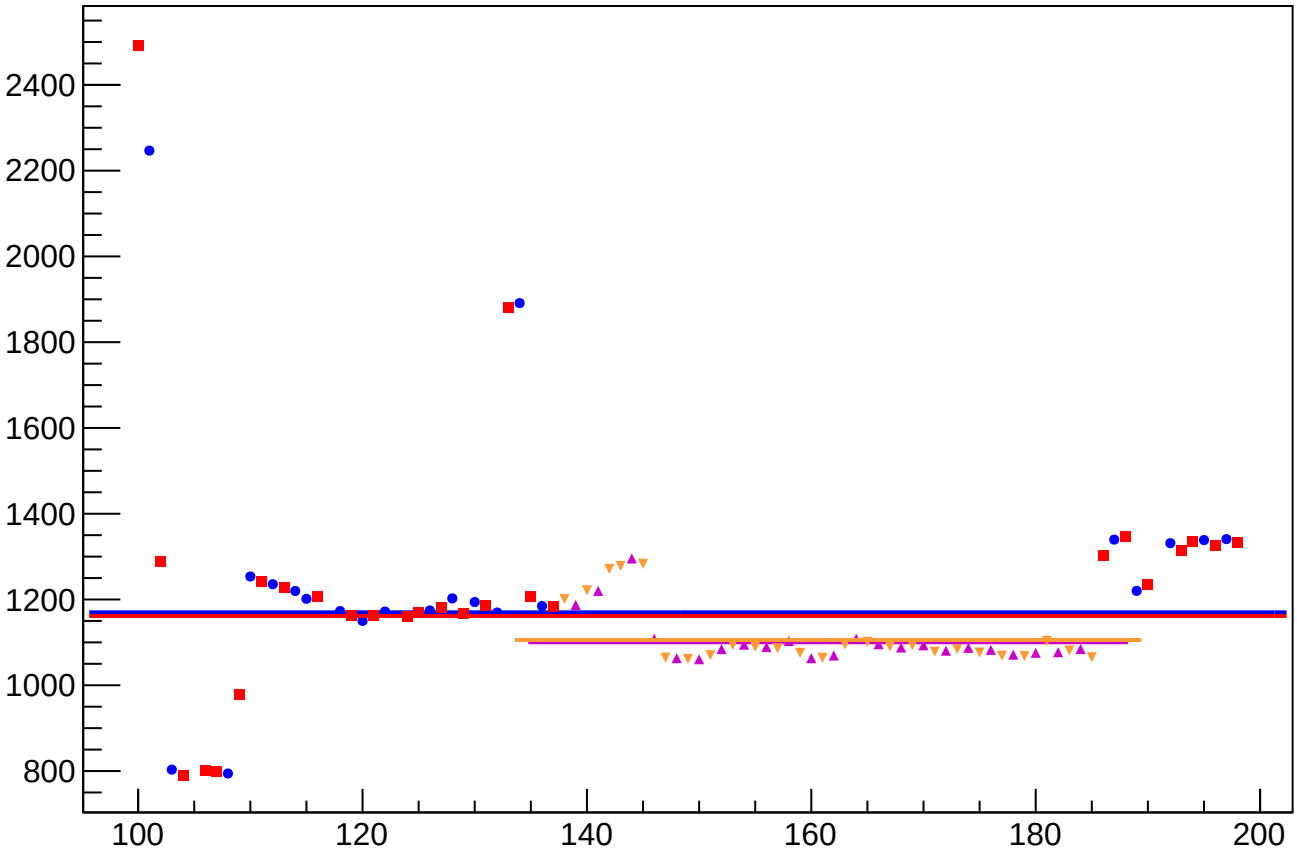
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -212.809+/-248.102 χ^2/NDF: 36.3/46

In: -484.144+/-210.545 χ^2/NDF:26.9/43

Out: 345.440+/-201.583 χ^2/NDF:63.5/50

All: -51.321+/-145.606 χ^2/NDF: 98.5/94



Right In: 1170.028+/-0.259 χ^2/NDF: 941327.6/20

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1161.623+/-0.238 χ^2/NDF: 820568.9/25

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

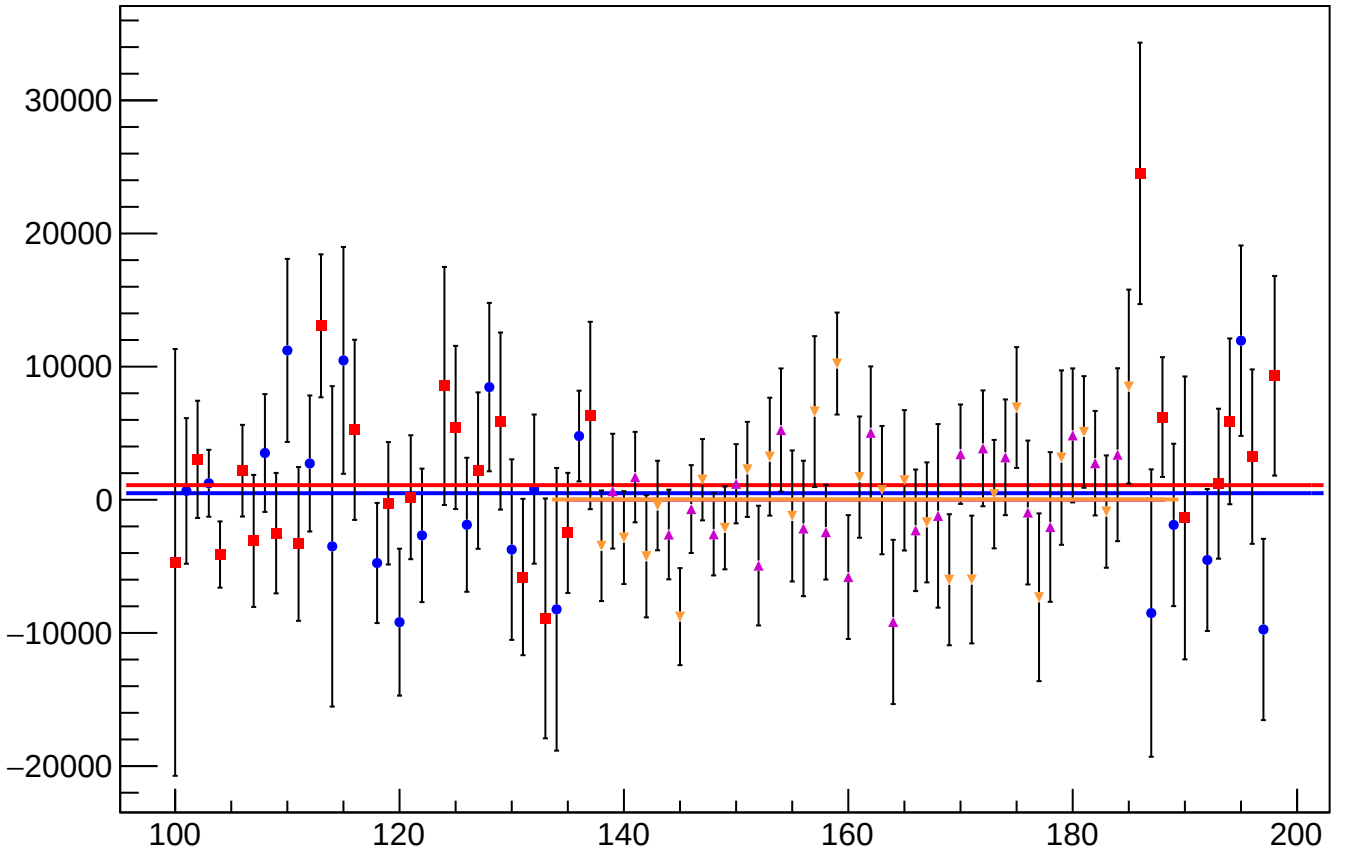
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1165.468+/-0.175 χ^2/NDF: 1762467.1/46

In: 1123.336+/-0.149 χ^2/NDF:1069991.1/43

Out: 1125.643+/-0.142 χ^2/NDF:978135.0/50

All: 1124.540+/-0.103 χ^2/NDF: 2048251.4/94



Right In: 495.117+/-1139.797 χ^2/NDF: 20.5/20

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 1099.330+/-1031.740 χ^2/NDF: 26.7/25

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

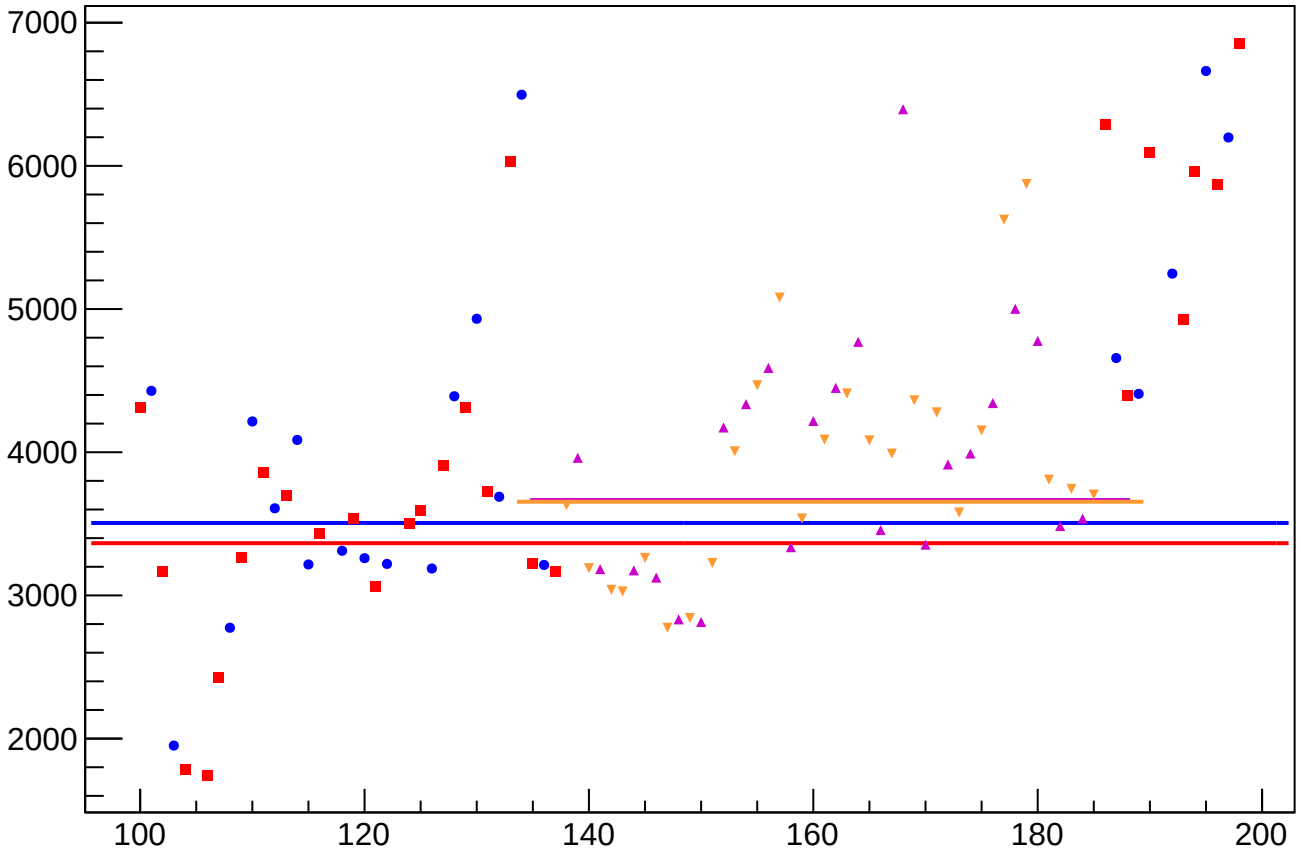
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

Right: 827.215+/-764.907 χ^2/NDF: 47.4/46

In: 187.666+/-694.193 χ^2/NDF:34.6/43

Out: 458.636+/-656.222 χ^2/NDF:55.8/50

All: 330.764+/-476.878 χ^2/NDF: 90.6/94



Right In: 3506.066+/-0.806 χ^2/NDF: 2214123.6/20

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3364.728+/-0.730 χ^2/NDF: 3258034.8/25

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

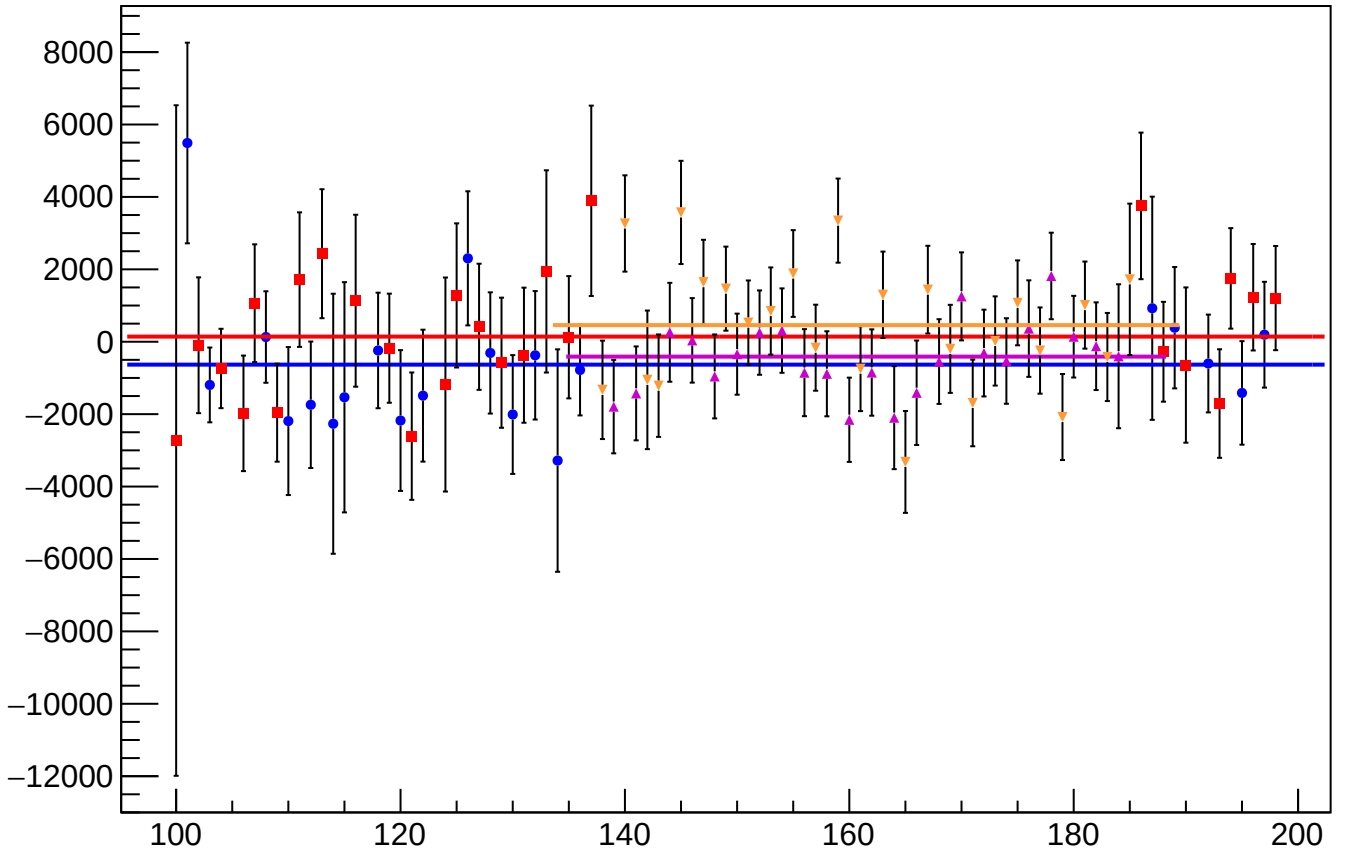
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3428.381+/-0.541 χ^2/NDF: 5489061.5/46

In: 3606.746+/-0.491 χ^2/NDF:3582641.9/43

Out: 3537.094+/-0.464 χ^2/NDF:4663547.3/50

All: 3569.963+/-0.337 χ^2/NDF: 8256821.9/94



Right In: -632.387+/-366.573 χ^2/NDF: 13.0/20

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 141.855+/-337.026 χ^2/NDF: 20.9/25

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

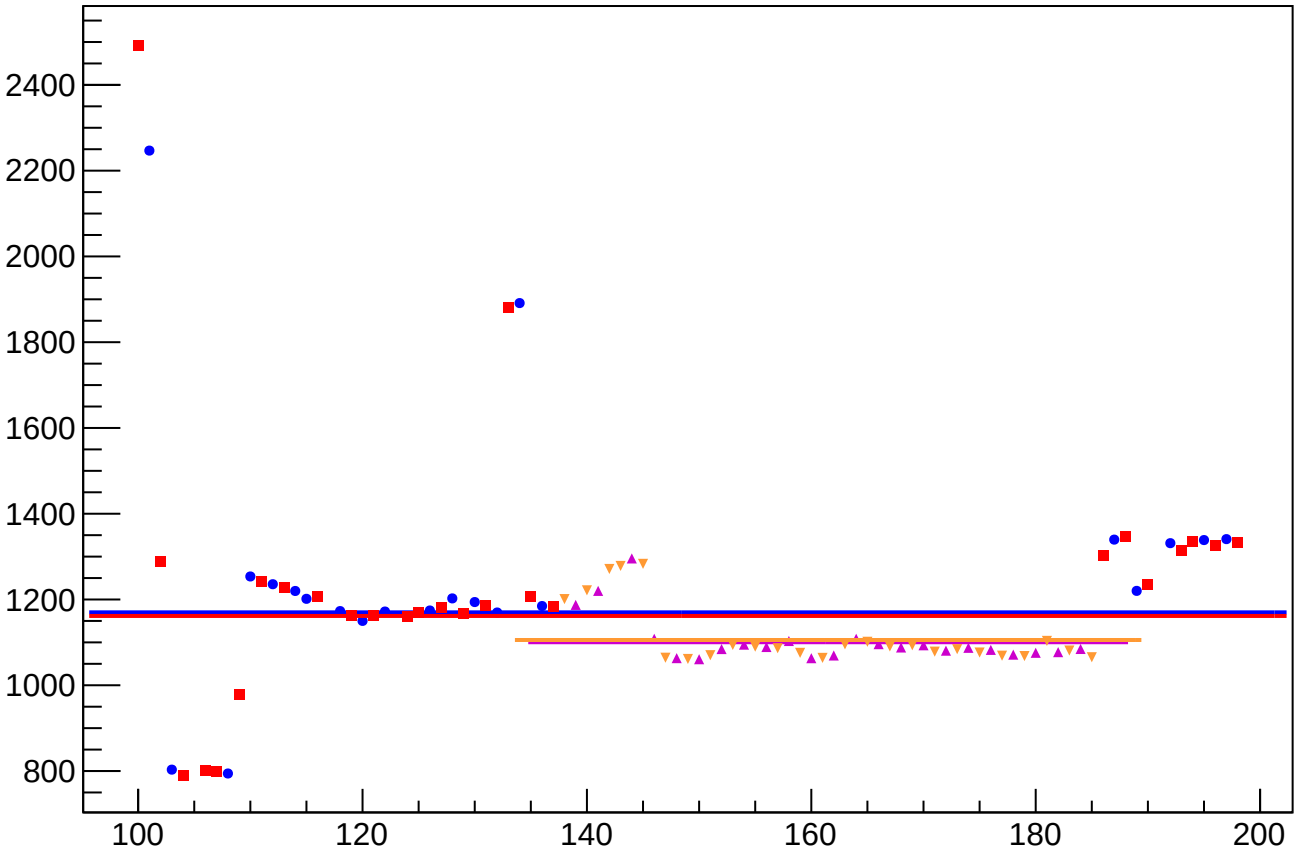
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -212.809+/-248.102 χ^2/NDF: 36.3/46

In: -484.144+/-210.545 χ^2/NDF:26.9/43

Out: 345.440+/-201.583 χ^2/NDF:63.5/50

All: -51.321+/-145.606 χ^2/NDF: 98.5/94



Right In: 1170.028+/-0.259 χ^2/NDF: 941327.6/20

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1161.623+/-0.238 χ^2/NDF: 820568.9/25

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

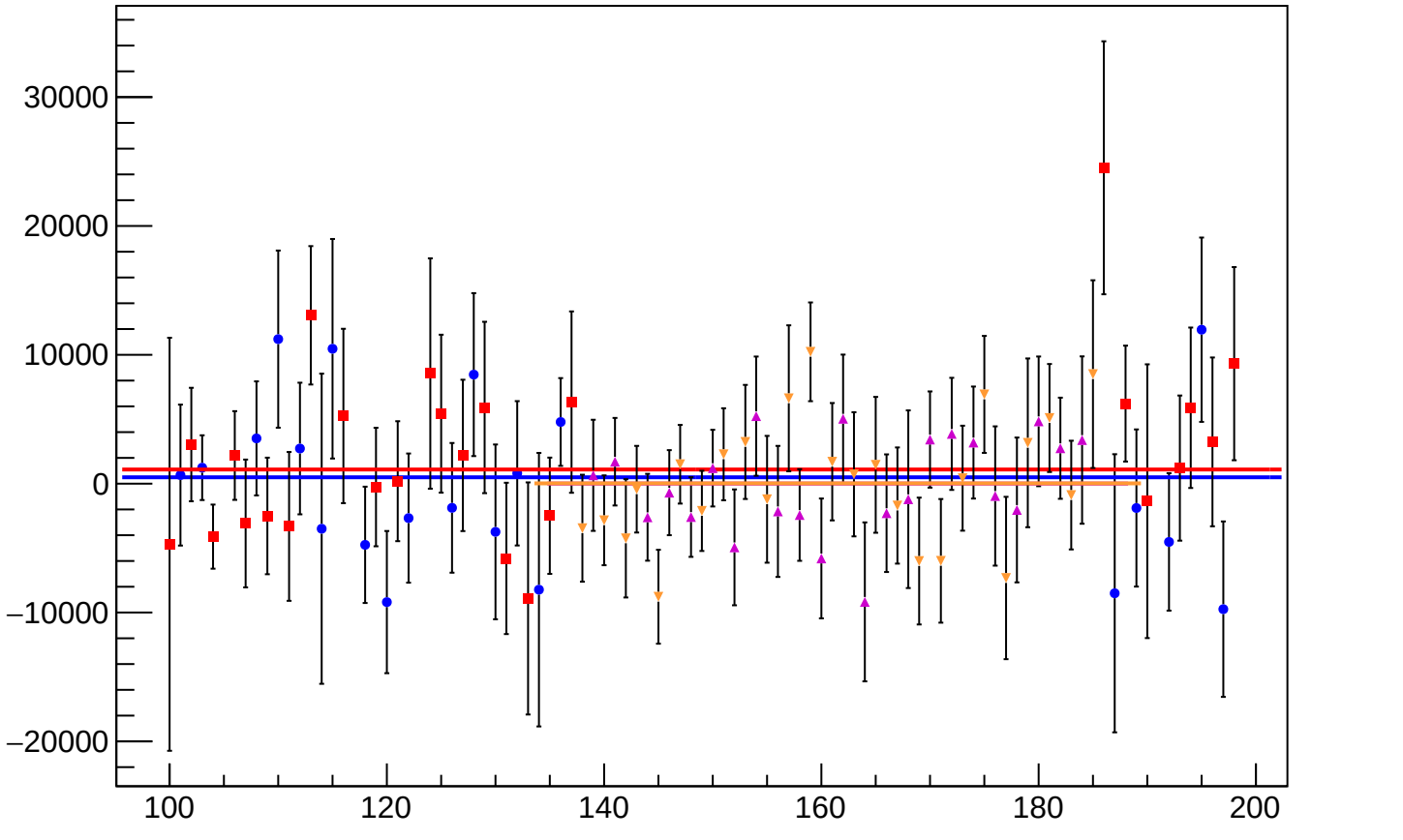
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1165.468+/-0.175 χ^2/NDF: 1762467.1/46

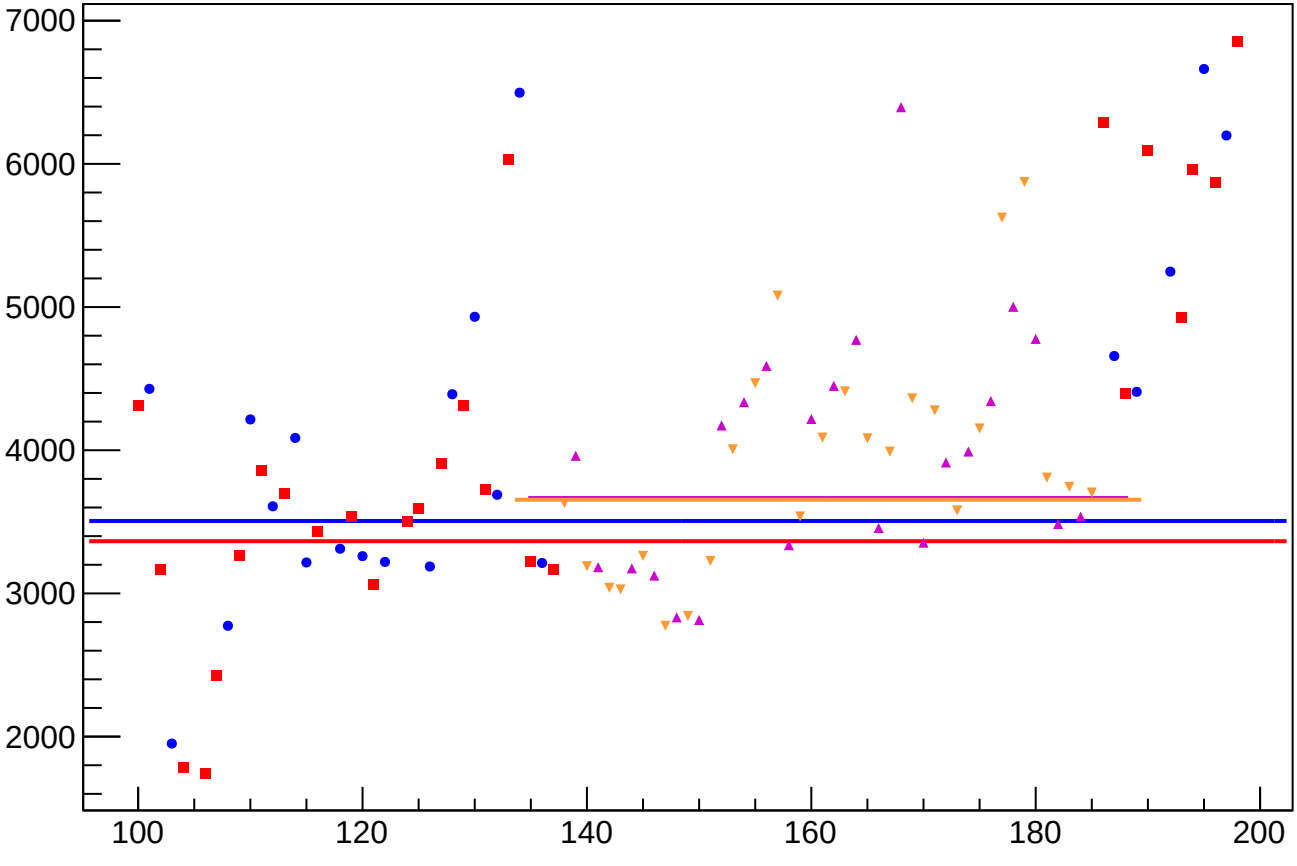
In: 1123.336+/-0.149 χ^2/NDF:1069991.1/43

Out: 1125.643+/-0.142 χ^2/NDF:978135.0/50

All: 1124.540+/-0.103 χ^2/NDF: 2048251.4/94


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: 495.117+/-1139.797 χ²/NDF: 20.5/20
Left Out: 23.365+/-850.403 χ²/NDF:28.5/24
Right Out: 1099.330+/-1031.740 χ²/NDF: 26.7/25
Left In: 6.368+/-875.255 χ²/NDF:14.0/22
Left: 15.111+/-609.923 χ²/NDF: 42.5/47
Right: 827.215+/-764.907 χ²/NDF: 47.4/46
In: 187.666+/-694.193 χ²/NDF:34.6/43
Out: 458.636+/-656.222 χ²/NDF:55.8/50
All: 330.764+/-476.878 χ²/NDF: 90.6/94

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.066+/-0.806 χ^2/NDF: 2214123.6/20

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3364.728+/-0.730 χ^2/NDF: 3258034.8/25

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

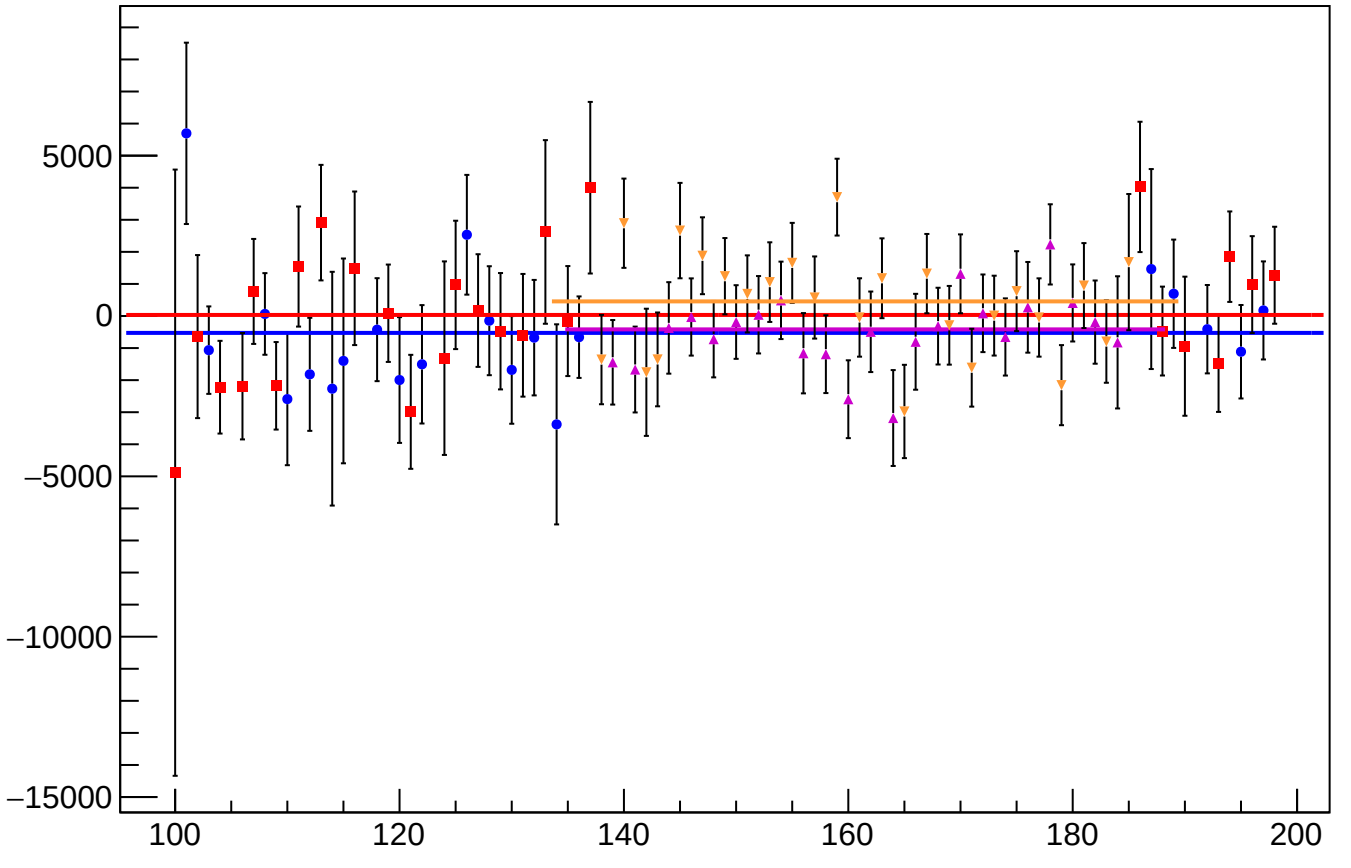
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3428.381+/-0.541 χ^2/NDF: 5489061.5/46

In: 3606.746+/-0.491 χ^2/NDF:3582641.9/43

Out: 3537.094+/-0.464 χ^2/NDF:4663547.3/50

All: 3569.963+/-0.337 χ^2/NDF: 8256821.9/94



Right In: -526.686+/-382.075 χ^2/NDF: 13.3/20

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: 32.947+/-351.666 χ^2/NDF: 25.4/25

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

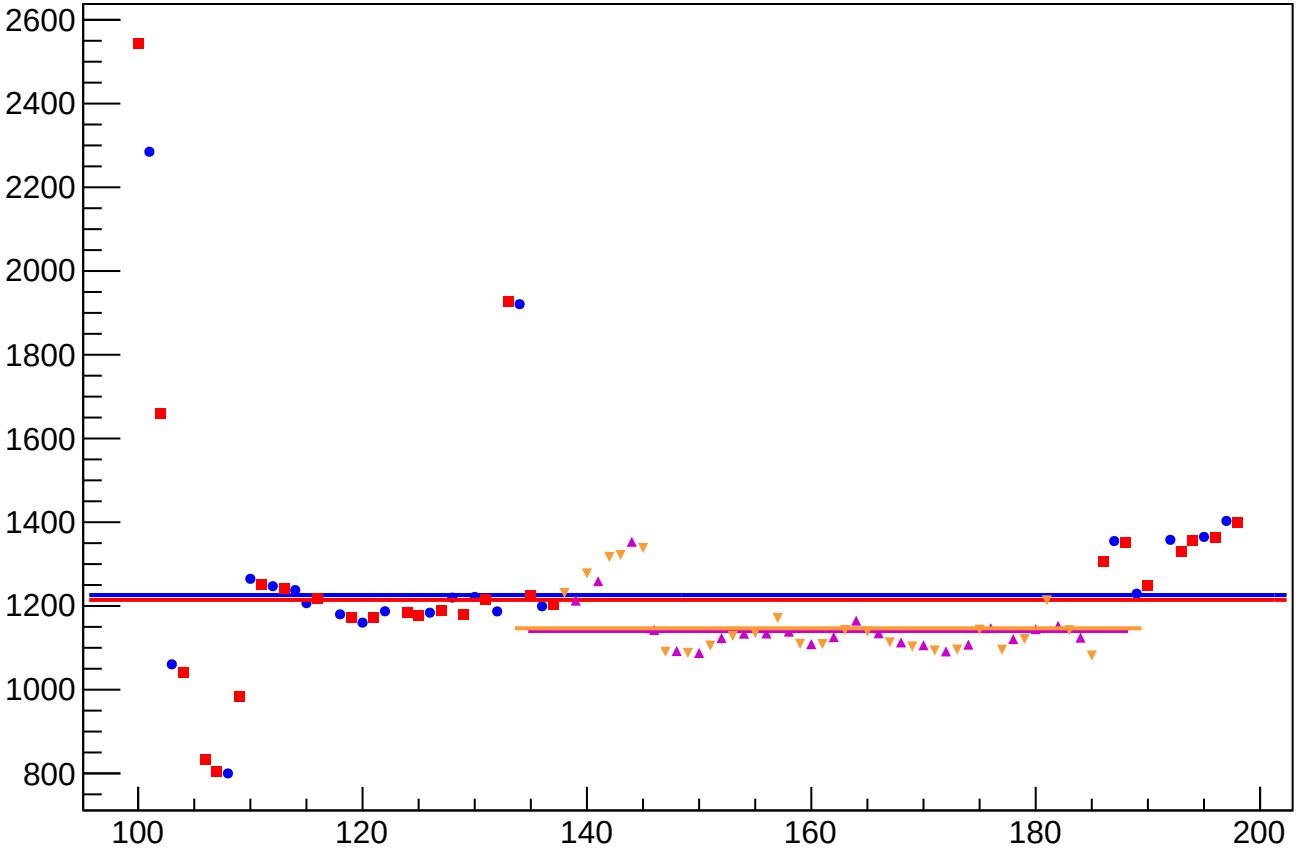
Right: -223.716+/-258.749 χ^2/NDF: 39.8/46

In: -453.050+/-218.627 χ^2/NDF:30.7/43

Out: 305.547+/-209.587 χ^2/NDF:62.5/50

All: -57.744+/-151.295 χ^2/NDF: 99.4/94

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1226.172+/-0.270 χ^2/NDF: 708832.0/20

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1214.479+/-0.249 χ^2/NDF: 655369.0/25

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

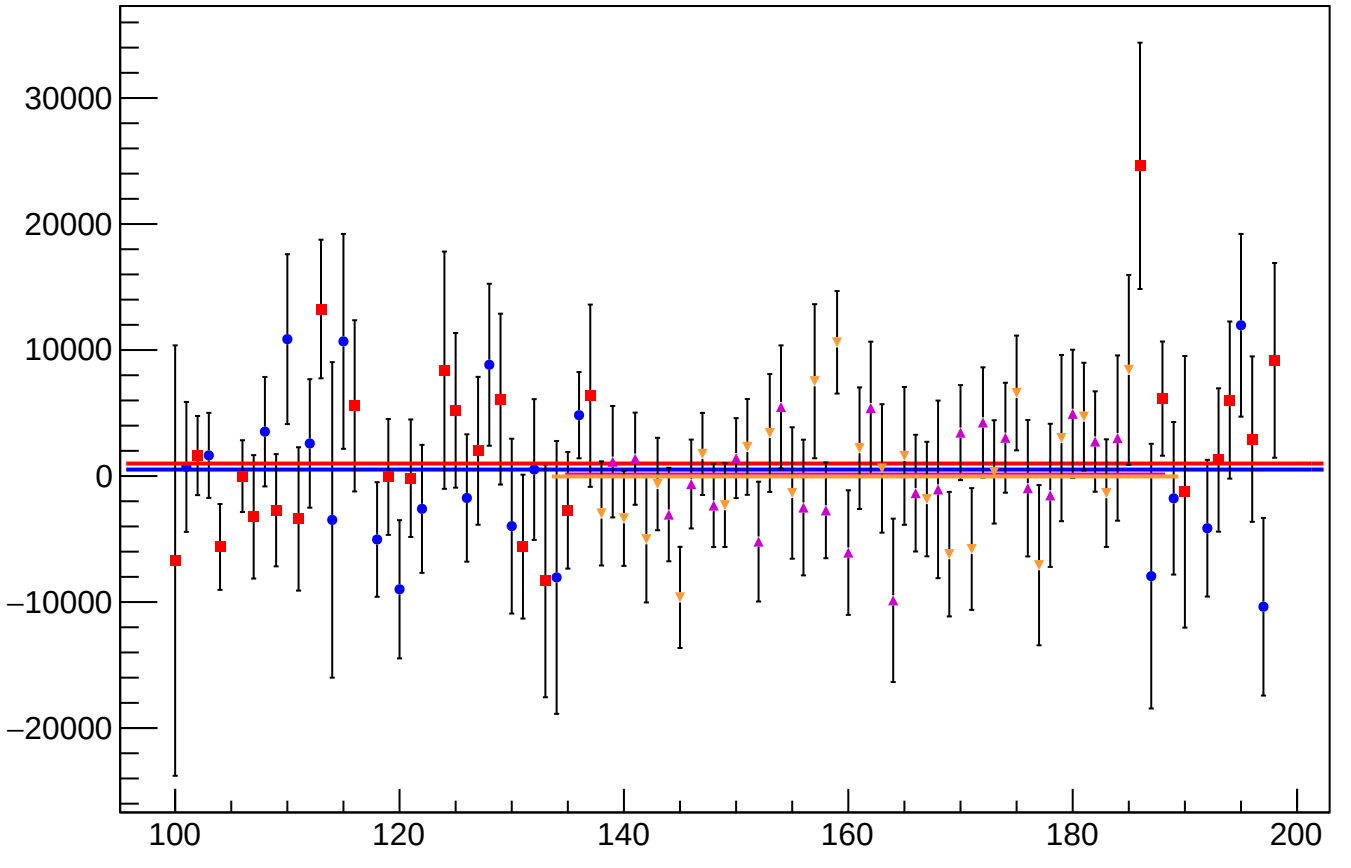
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

Right: 1219.840+/-0.183 χ^2/NDF: 1365215.4/46

In: 1168.328+/-0.155 χ^2/NDF:861726.2/43

Out: 1170.728+/-0.148 χ^2/NDF:844430.4/50

All: 1169.579+/-0.107 χ^2/NDF: 1706282.4/94



Right In: 514.867+/-1196.075 χ^2/NDF: 20.4/20

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: 992.289+/-1027.864 χ^2/NDF: 26.0/25

Left In: 121.051+/-915.714 χ^2/NDF:13.8/22

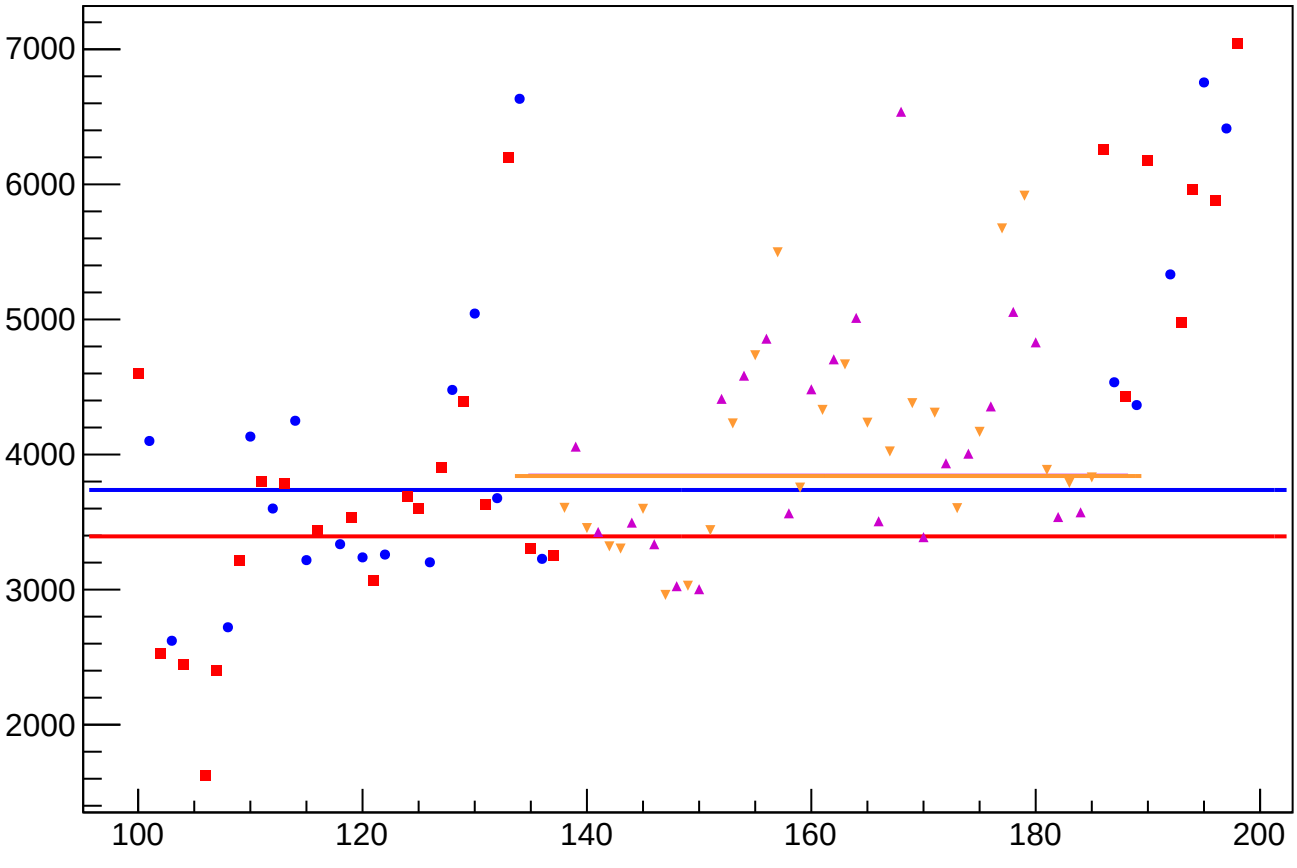
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

Right: 789.483+/-779.556 χ^2/NDF: 46.5/46

In: 266.582+/-727.091 χ^2/NDF:34.3/43

Out: 406.781+/-673.419 χ^2/NDF:54.3/50

All: 342.046+/-494.065 χ^2/NDF: 88.6/94



Right In: 3737.651+/-0.846 χ^2/NDF: 1555262.6/20

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3394.160+/-0.727 χ^2/NDF: 3098028.3/25

Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

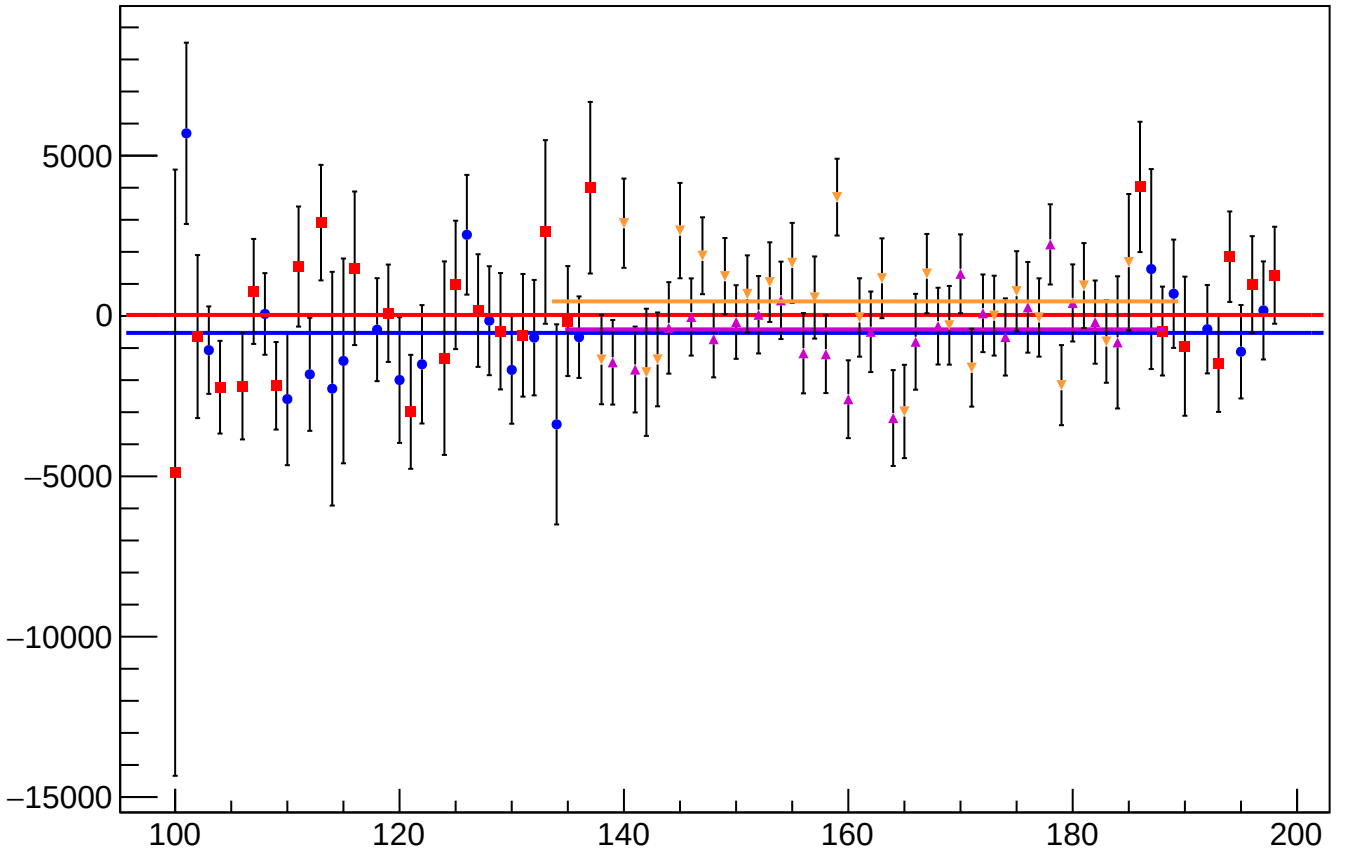
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 3540.073+/-0.551 χ^2/NDF: 4748169.7/46

In: 3804.276+/-0.514 χ^2/NDF:2761163.5/43

Out: 3649.102+/-0.476 χ^2/NDF:4432264.5/50

All: 3720.751+/-0.349 χ^2/NDF: 7242461.4/94



Right In: -526.689+/-382.075 χ^2/NDF: 13.3/20

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: 32.944+/-351.666 χ^2/NDF: 25.4/25

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

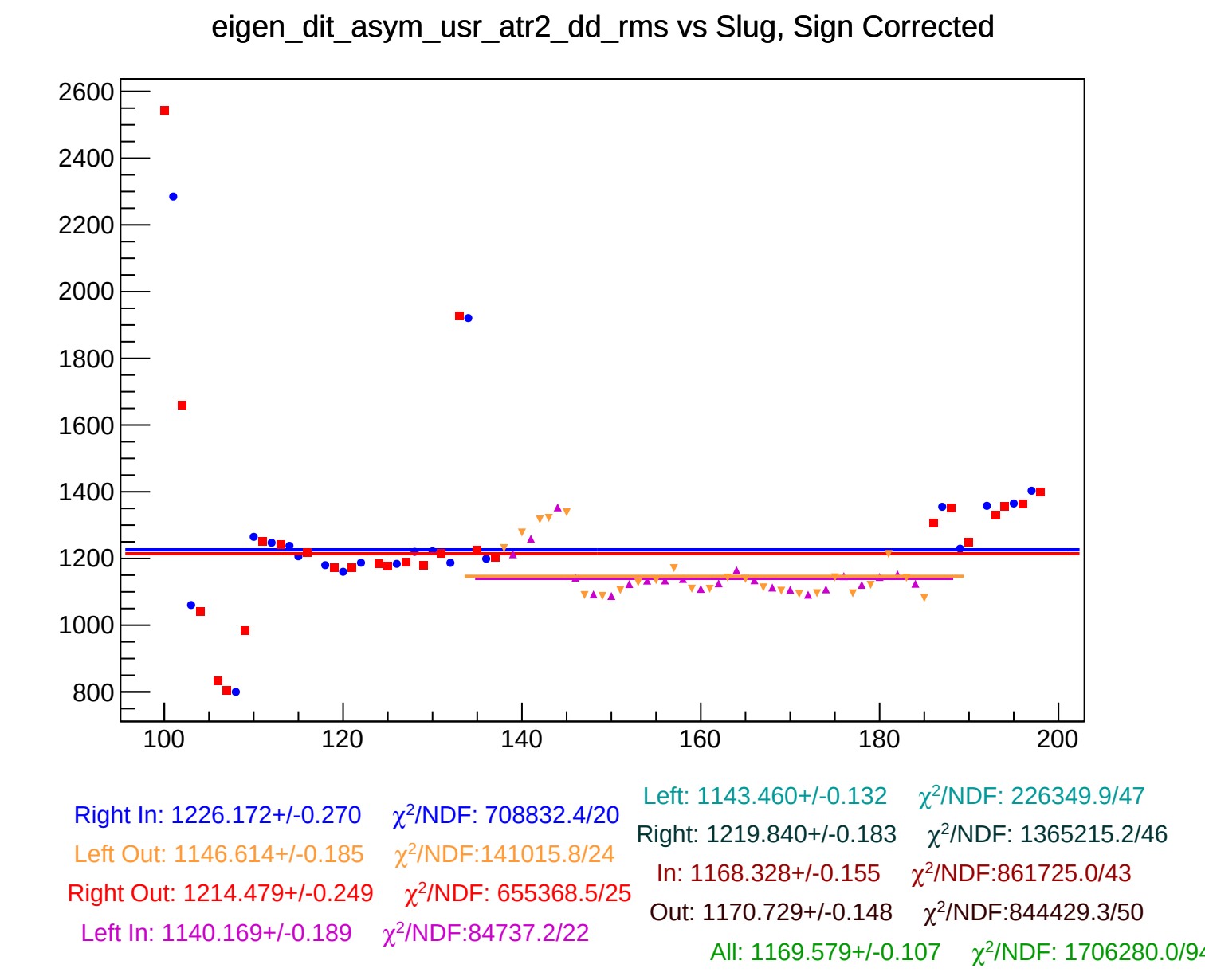
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

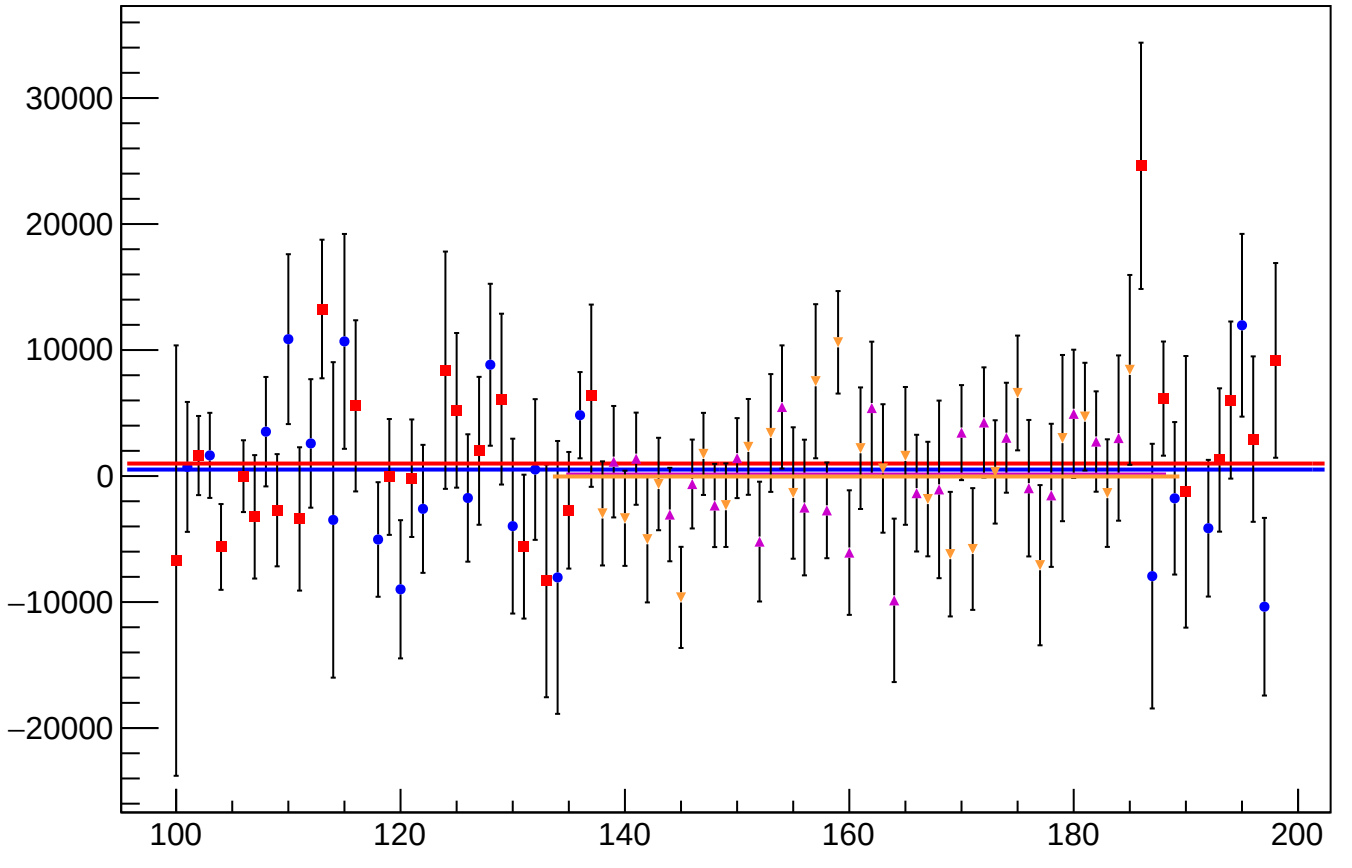
Right: -223.719+/-258.749 χ^2/NDF: 39.8/46

In: -453.050+/-218.627 χ^2/NDF:30.7/43

Out: 305.549+/-209.587 χ^2/NDF:62.5/50

All: -57.743+/-151.295 χ^2/NDF: 99.4/94


eigen_dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
200
Right In: 1226.172+/-0.270 χ²/NDF: 708832.4/20
Left Out: 1146.614+/-0.185 χ²/NDF:141015.8/24
Right Out: 1214.479+/-0.249 χ²/NDF: 655368.5/25
Left In: 1140.169+/-0.189 χ²/NDF:84737.2/22
Left: 1143.460+/-0.132 χ²/NDF: 226349.9/47
Right: 1219.840+/-0.183 χ²/NDF: 1365215.2/46
In: 1168.328+/-0.155 χ²/NDF:861725.0/43
Out: 1170.729+/-0.148 χ²/NDF:844429.3/50
All: 1169.579+/-0.107 χ²/NDF: 1706280.0/94



Right In: 514.852+/-1196.075 χ^2/NDF: 20.4/20

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

Right Out: 992.280+/-1027.863 χ^2/NDF: 26.0/25

Left In: 121.054+/-915.716 χ^2/NDF:13.8/22

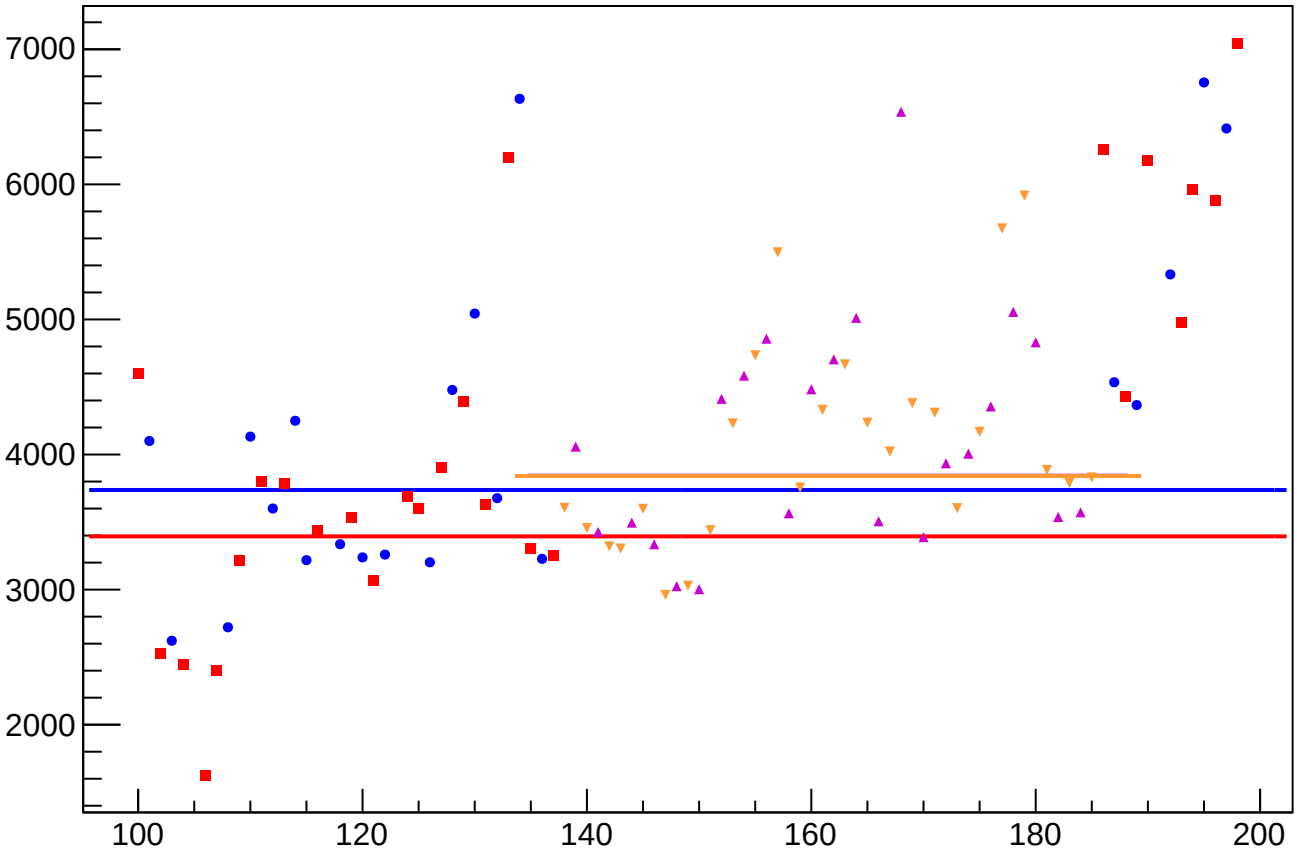
Left: 41.671+/-638.728 χ^2/NDF: 41.5/47

Right: 789.472+/-779.556 χ^2/NDF: 46.5/46

In: 266.578+/-727.092 χ^2/NDF:34.3/43

Out: 406.779+/-673.419 χ^2/NDF:54.3/50

All: 342.044+/-494.065 χ^2/NDF: 88.6/94



Right In: 3737.648+/-0.846 χ^2/NDF: 1555264.7/20

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3394.155+/-0.727 χ^2/NDF: 3098037.8/25

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

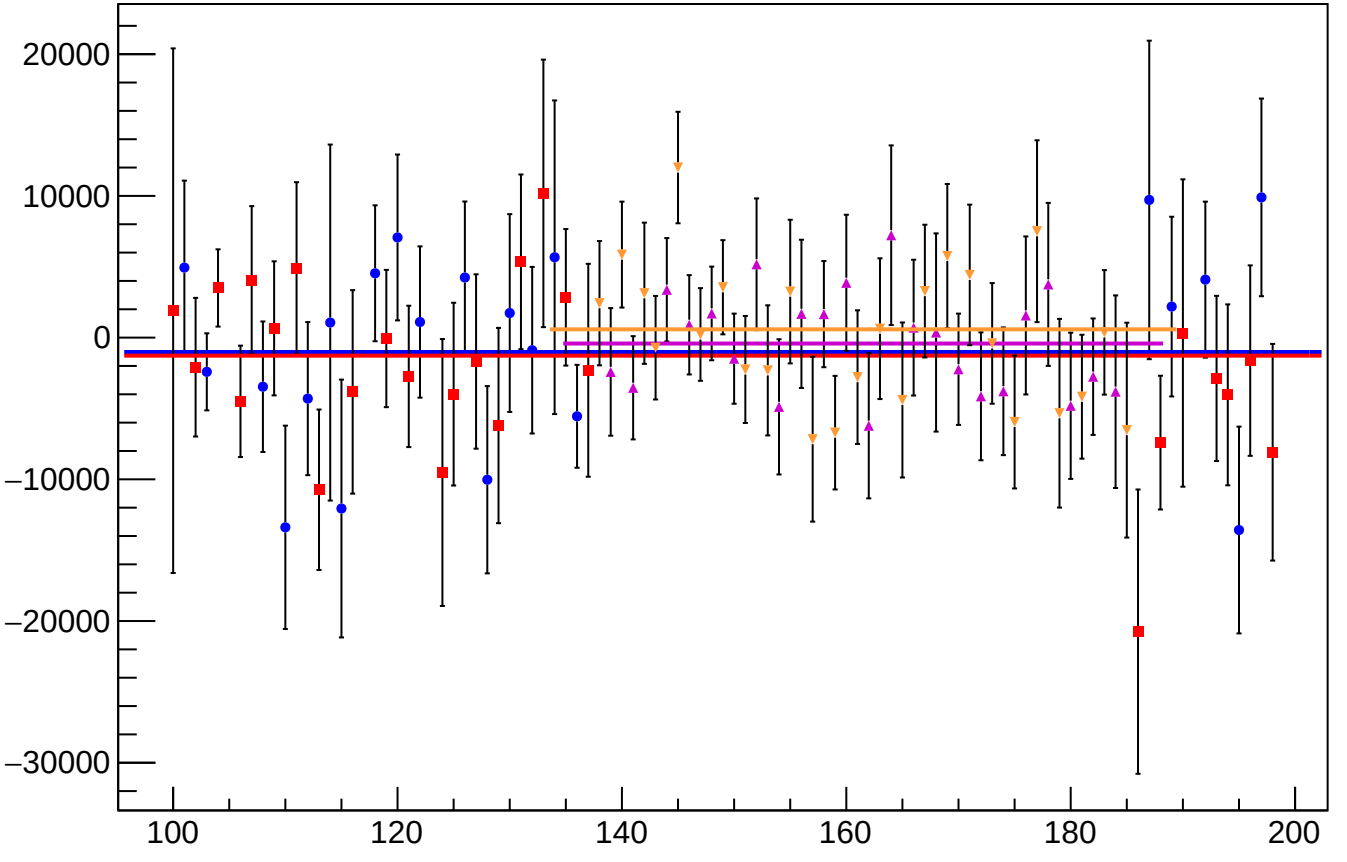
Right: 3540.068+/-0.551 χ^2/NDF: 4748182.6/46

In: 3804.278+/-0.514 χ^2/NDF:2761170.9/43

Out: 3649.102+/-0.476 χ^2/NDF:4432285.6/50

All: 3720.752+/-0.349 χ^2/NDF: 7242490.9/94

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -1015.353+/-1208.014 χ^2/NDF: 22.1/20

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: -1272.886+/-1101.844 χ^2/NDF: 20.5/25

Left In: -416.803+/-919.006 χ^2/NDF:12.5/22

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

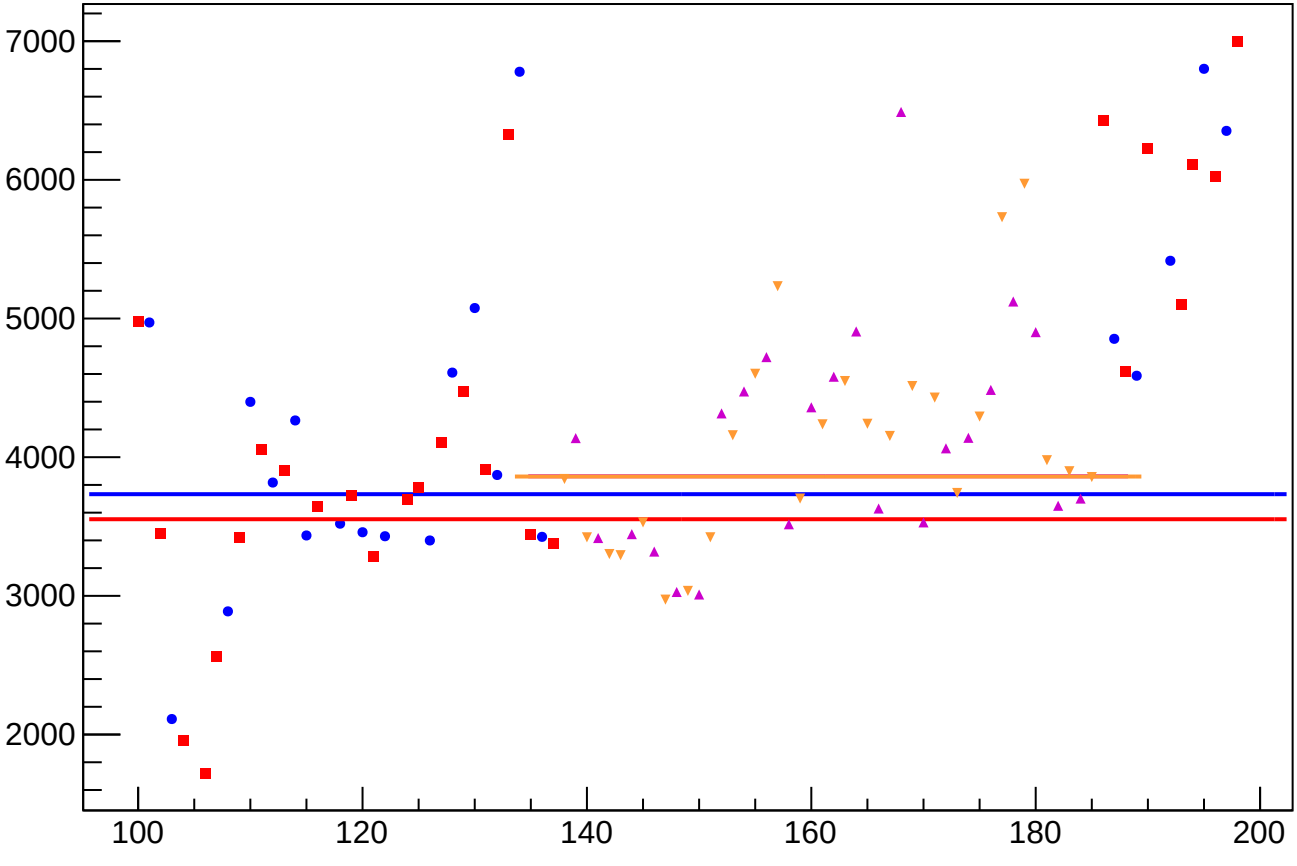
Right: -1155.932+/-814.073 χ^2/NDF: 42.6/46

In: -636.225+/-731.411 χ^2/NDF:34.7/43

Out: -154.474+/-694.652 χ^2/NDF:49.6/50

All: -382.940+/-503.687 χ^2/NDF: 84.6/94

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3733.245+/-0.854 χ^2/NDF: 2061715.7/20

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

Right Out: 3552.634+/-0.769 χ^2/NDF: 3153975.7/25

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

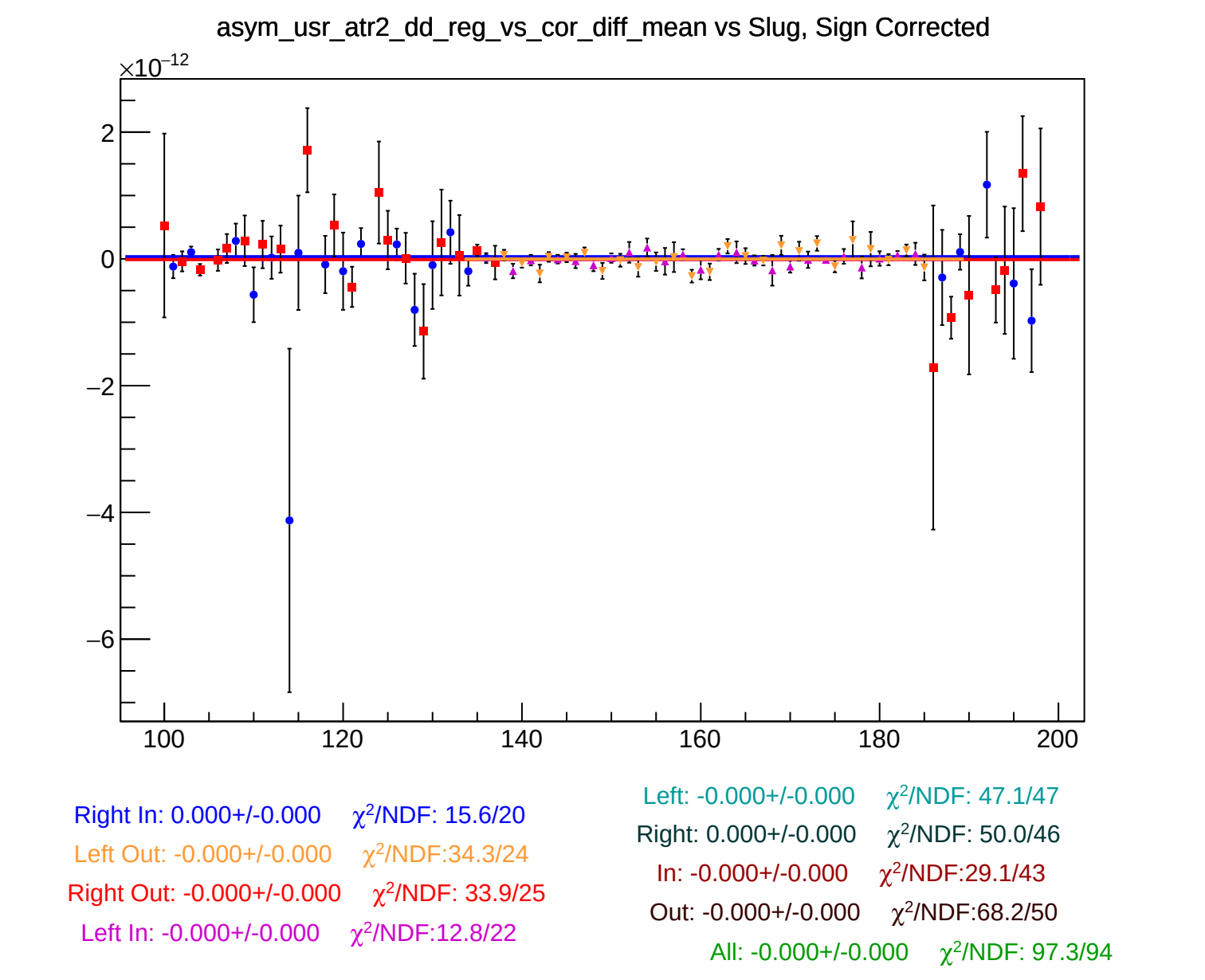
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

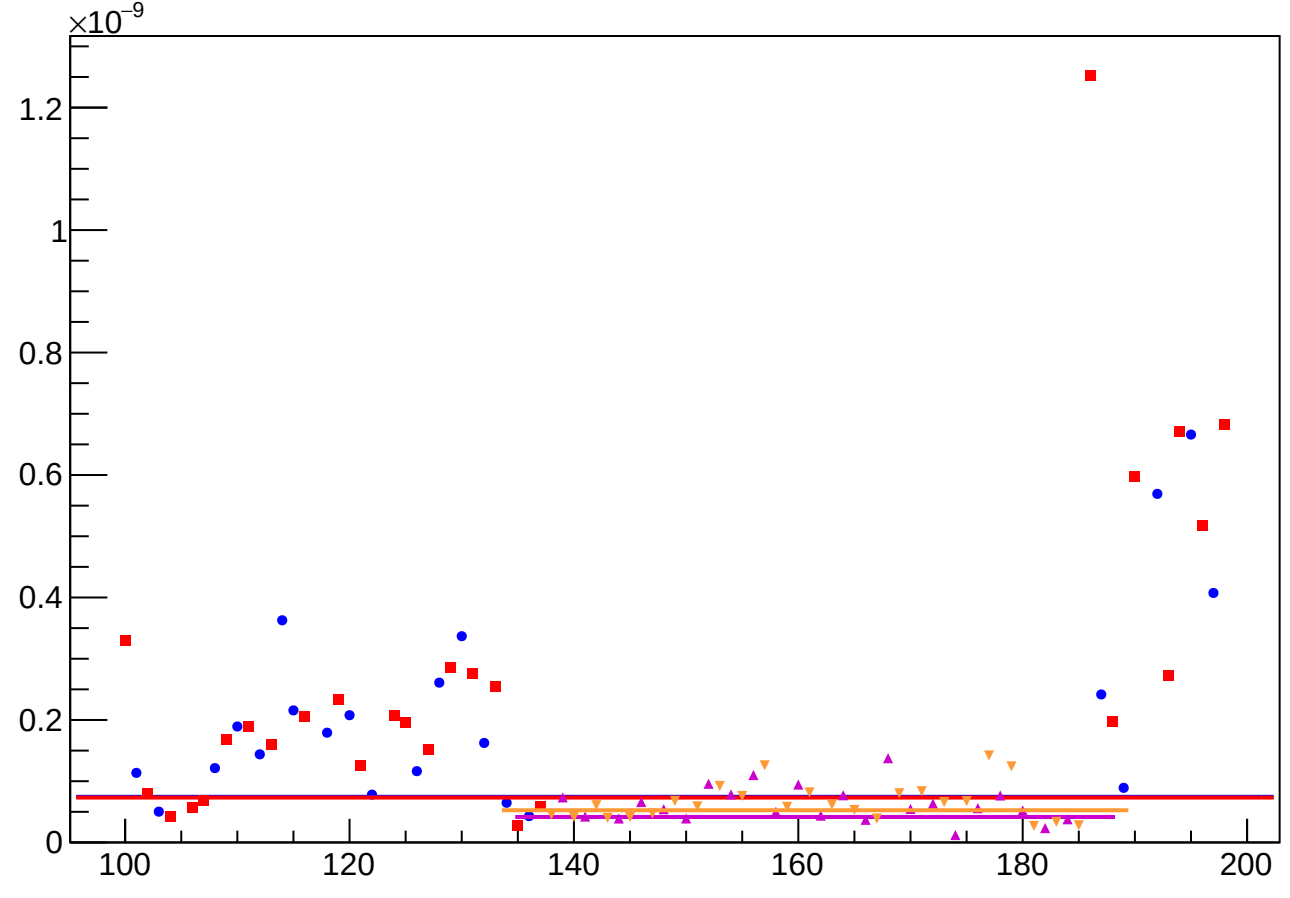
Right: 3633.428+/-0.571 χ^2/NDF: 5240399.2/46

In: 3815.014+/-0.517 χ^2/NDF:3218362.8/43

Out: 3736.128+/-0.488 χ^2/NDF:4346931.5/50

All: 3773.323+/-0.355 χ^2/NDF: 7577590.2/94


asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 15.6/20
Left Out: -0.000+/-0.000 χ²/NDF:34.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 33.9/25
Left In: -0.000+/-0.000 χ²/NDF:12.8/22
Left: -0.000+/-0.000 χ²/NDF: 47.1/47
Right: 0.000+/-0.000 χ²/NDF: 50.0/46
In: -0.000+/-0.000 χ²/NDF:29.1/43
Out: -0.000+/-0.000 χ²/NDF:68.2/50
All: -0.000+/-0.000 χ²/NDF: 97.3/94



Right In: 0.000+/-0.000 χ^2/NDF: 3391075.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5359381.0/25

Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4840259.0/47

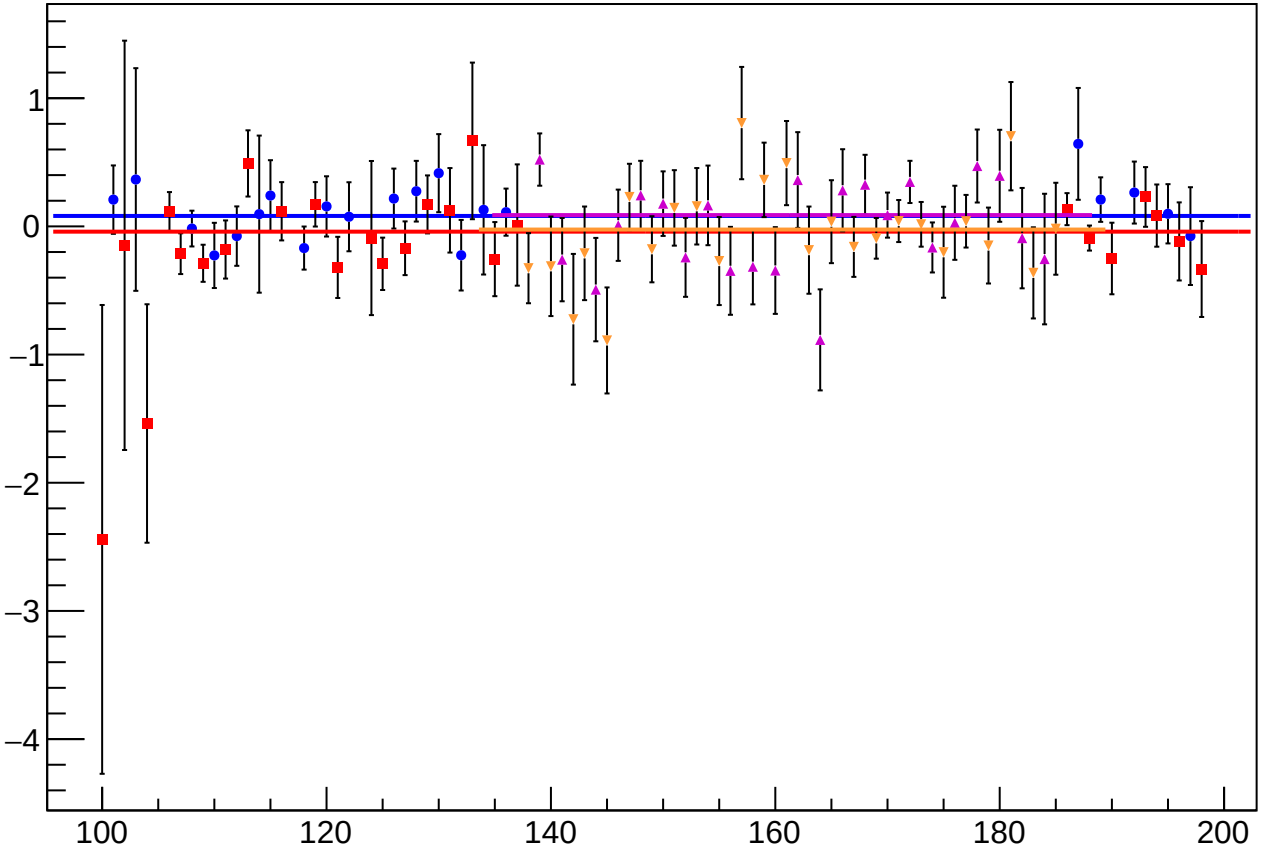
Right: 0.000+/-0.000 χ^2/NDF: 8751099.2/46

In: 0.000+/-0.000 χ^2/NDF:7141330.4/43

Out: 0.000+/-0.000 χ^2/NDF:7275017.6/50

All: 0.000+/-0.000 χ^2/NDF: 14681859.5/94

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.081+/-0.053 χ^2/NDF: 11.8/20

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.041+/-0.042 χ^2/NDF: 27.5/25

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

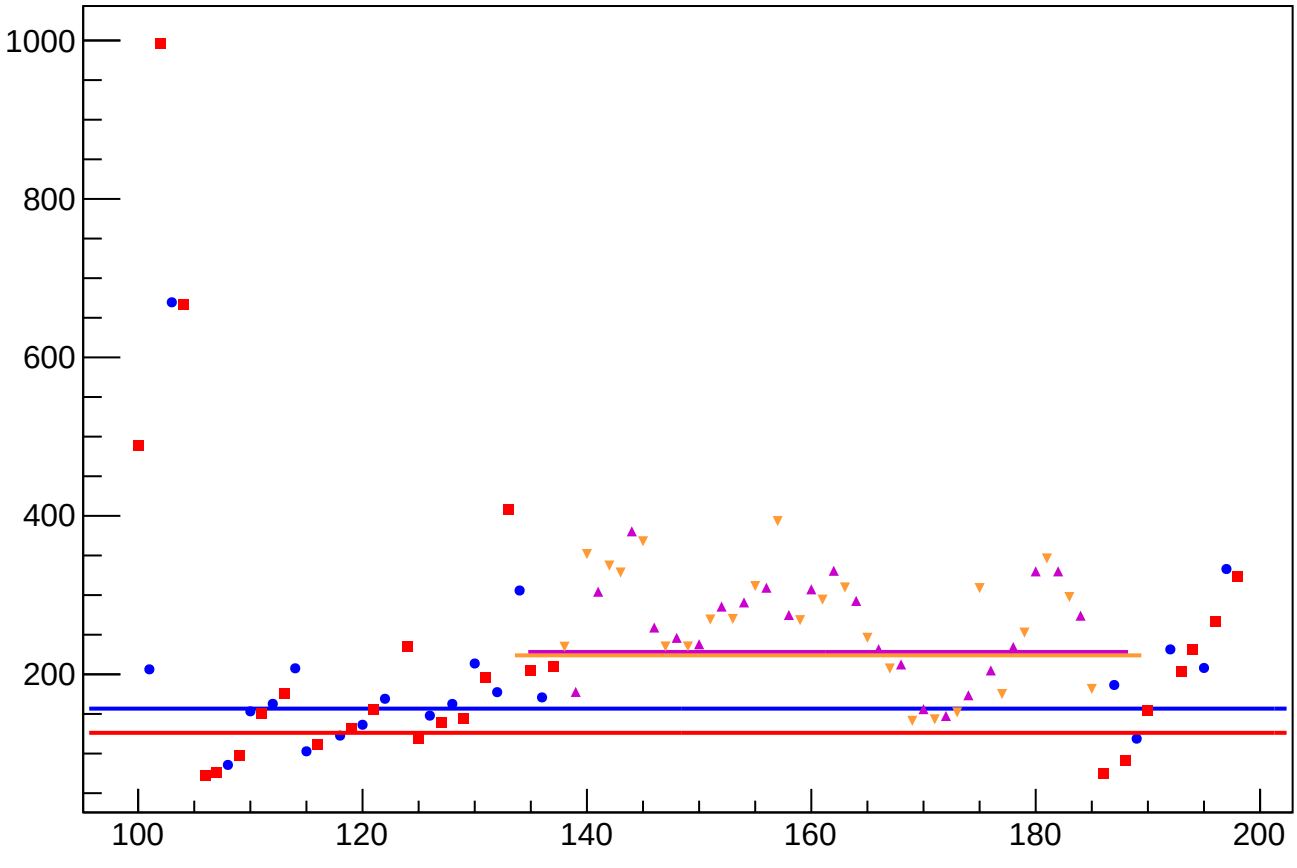
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.006+/-0.033 χ^2/NDF: 42.6/46

In: 0.085+/-0.039 χ^2/NDF:41.9/43

Out: -0.035+/-0.033 χ^2/NDF:51.6/50

All: 0.016+/-0.025 χ^2/NDF: 99.0/94



Right In: 156.707+/-0.037 χ^2/NDF: 2571233.8/20

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 126.171+/-0.030 χ^2/NDF: 5041902.0/25

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

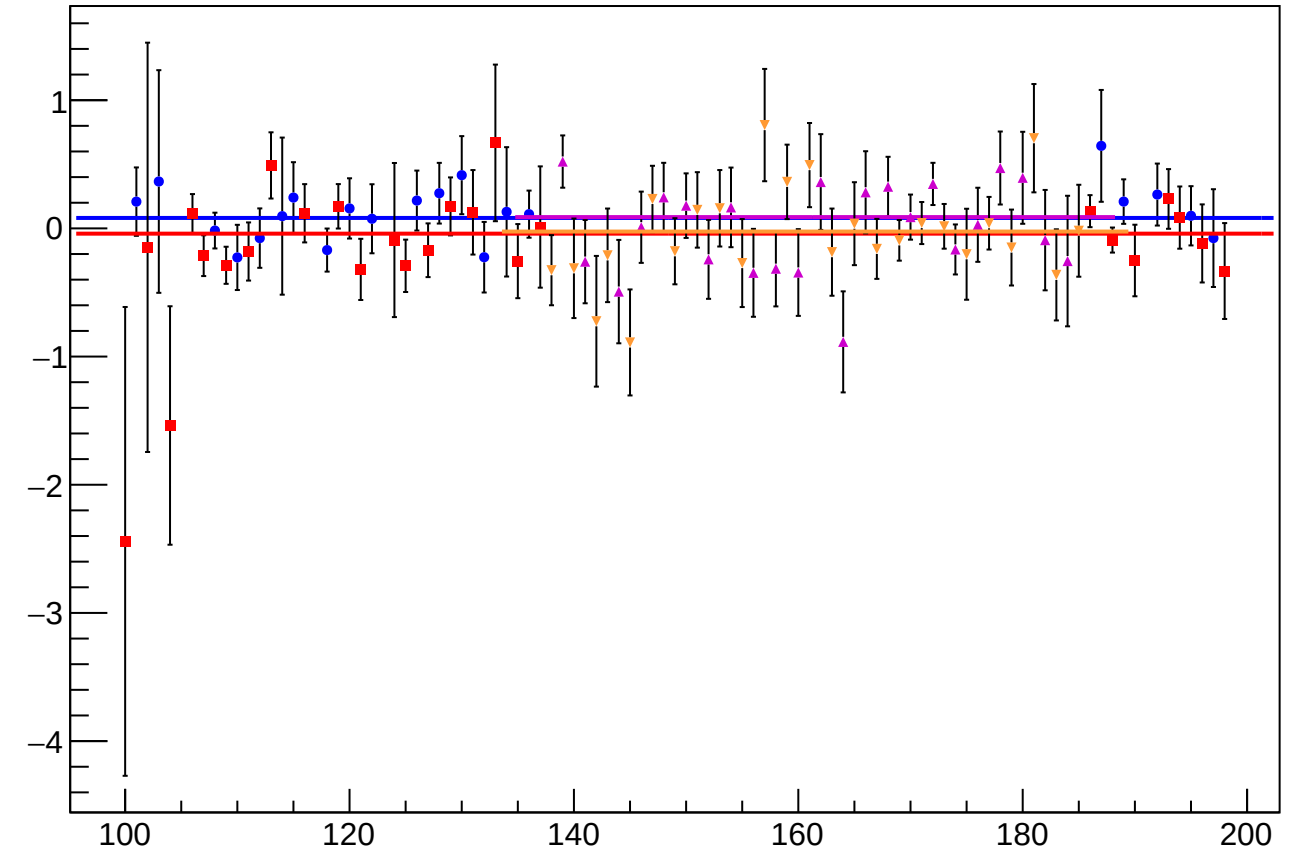
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 137.970+/-0.023 χ^2/NDF: 8023553.4/46

In: 189.940+/-0.027 χ^2/NDF:6764298.9/43

Out: 162.412+/-0.024 χ^2/NDF:12516633.8/50

All: 174.124+/-0.018 χ^2/NDF: 19864479.1/94



Right In: 0.081+/-0.053 χ^2/NDF: 11.8/20

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.041+/-0.042 χ^2/NDF: 27.5/25

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

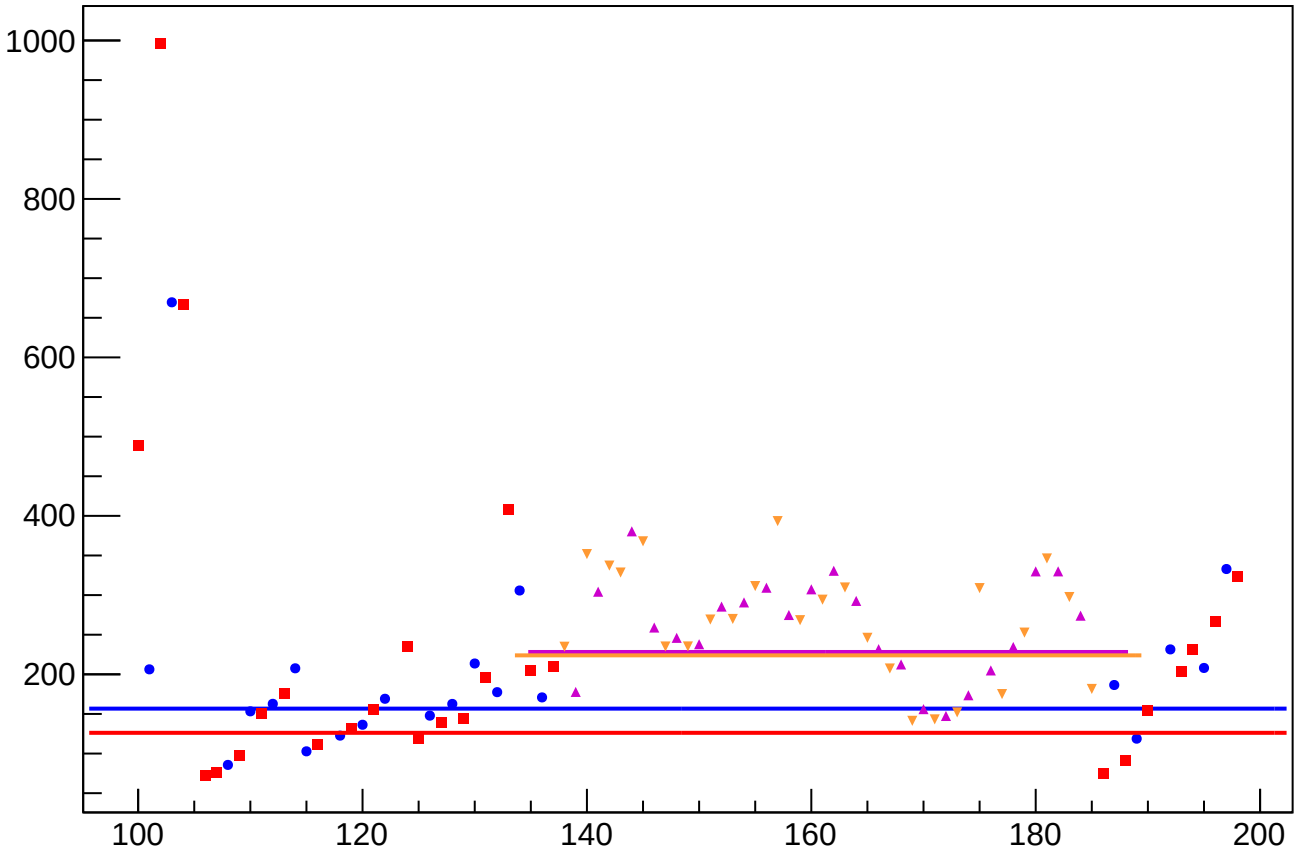
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.006+/-0.033 χ^2/NDF: 42.6/46

In: 0.085+/-0.039 χ^2/NDF:41.9/43

Out: -0.035+/-0.033 χ^2/NDF:51.6/50

All: 0.016+/-0.025 χ^2/NDF: 99.0/94



Right In: 156.707+/-0.037 χ^2/NDF: 2571233.8/20

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 126.171+/-0.030 χ^2/NDF: 5041902.0/25

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

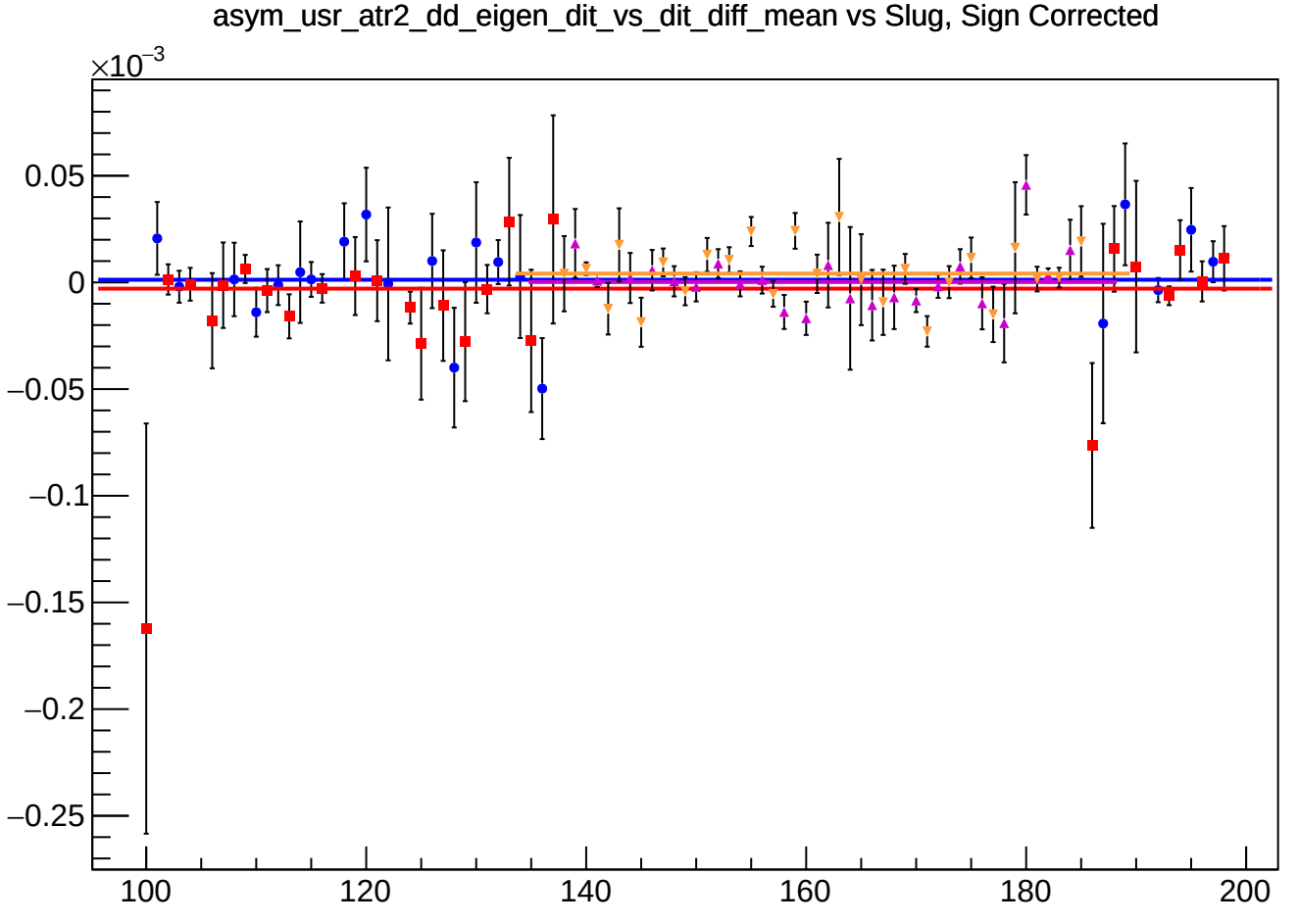
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 137.970+/-0.023 χ^2/NDF: 8023553.4/46

In: 189.940+/-0.027 χ^2/NDF:6764298.9/43

Out: 162.412+/-0.024 χ^2/NDF:12516633.8/50

All: 174.124+/-0.018 χ^2/NDF: 19864479.1/94



Right In: 0.000+/-0.000 χ^2/NDF: 18.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.5/25

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

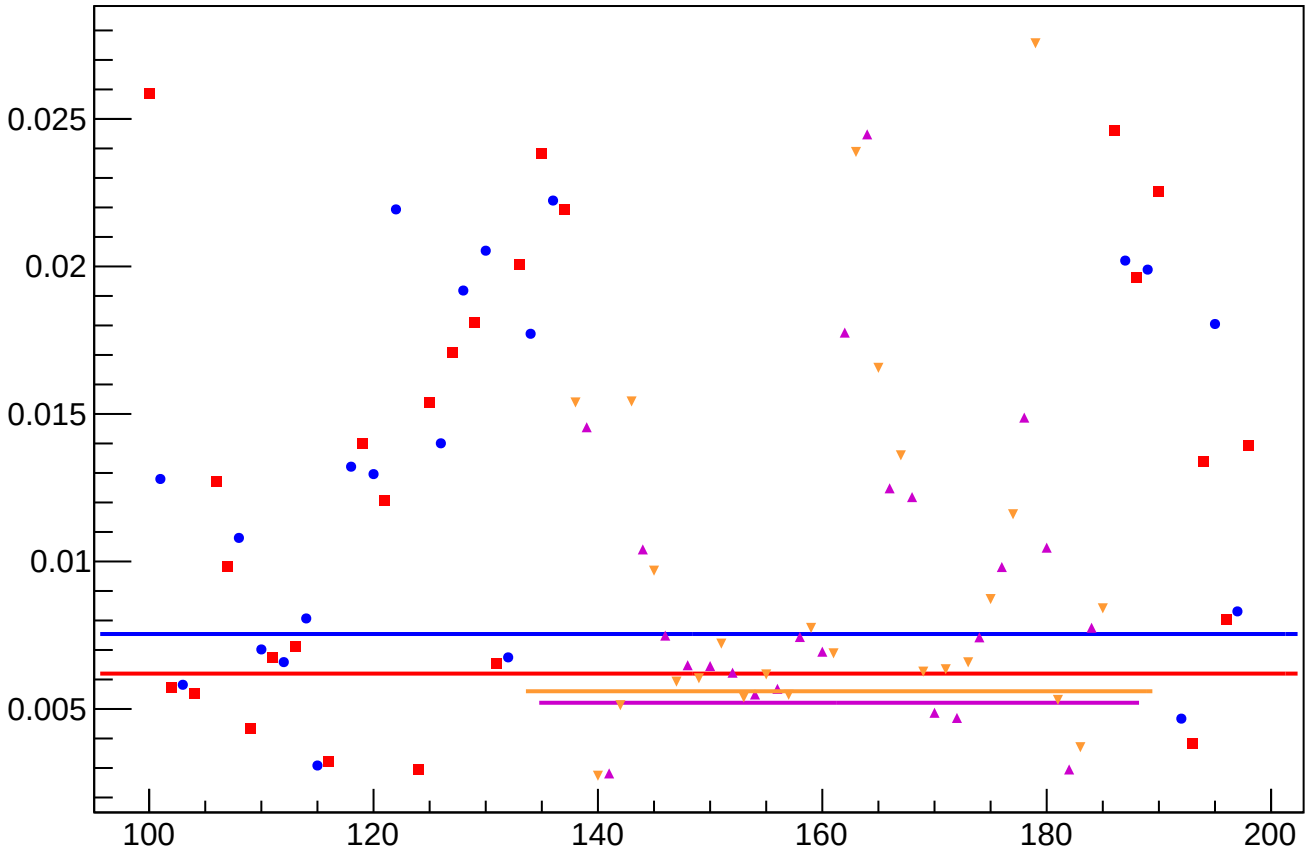
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: -0.000+/-0.000 χ^2/NDF: 40.9/46

In: 0.000+/-0.000 χ^2/NDF:49.1/43

Out: 0.000+/-0.000 χ^2/NDF:76.8/50

All: 0.000+/-0.000 χ^2/NDF: 126.6/94



Right In: 0.008+/-0.000 χ^2/NDF: 5226139.6/20

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.006+/-0.000 χ^2/NDF: 7408549.2/25

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

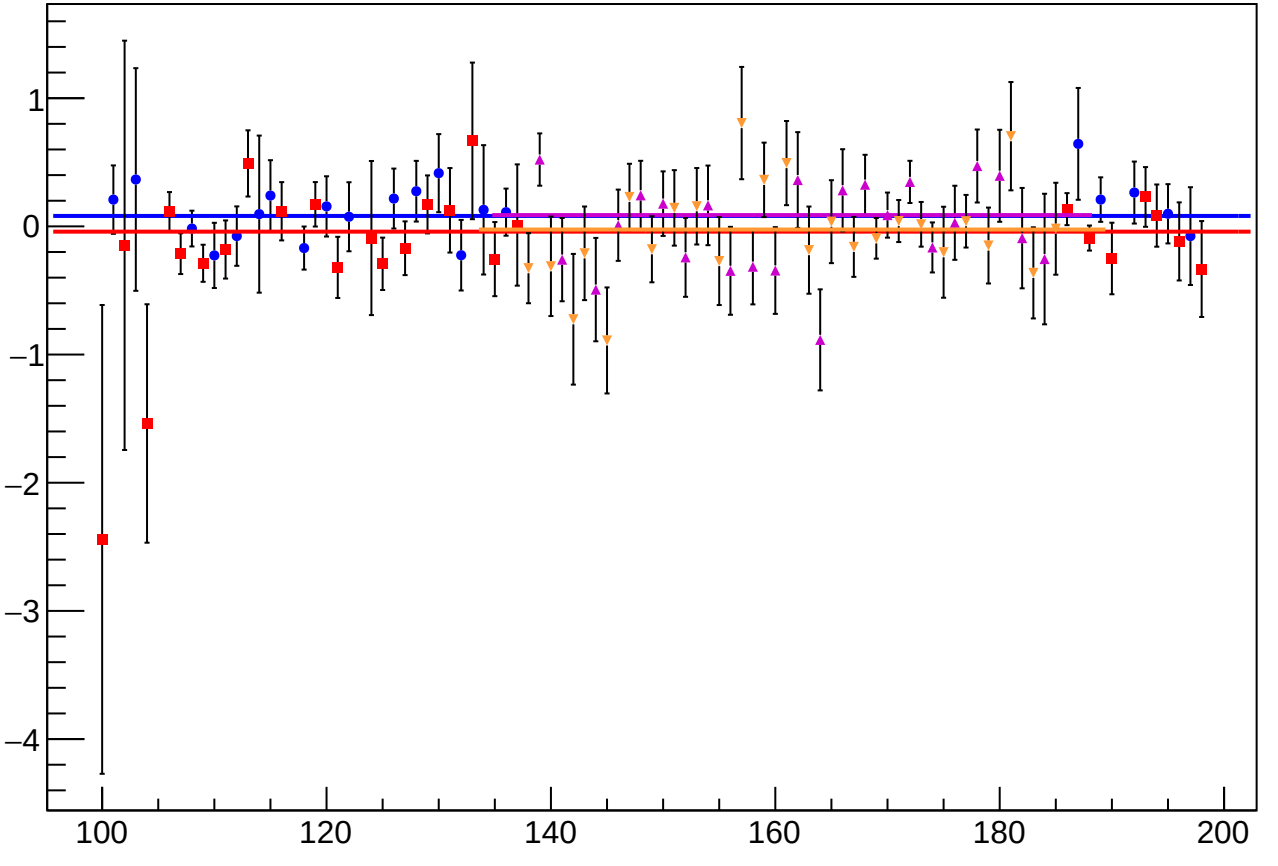
Right: 0.007+/-0.000 χ^2/NDF: 12928944.7/46

In: 0.006+/-0.000 χ^2/NDF:13799956.6/43

Out: 0.006+/-0.000 χ^2/NDF:15284818.2/50

All: 0.006+/-0.000 χ^2/NDF: 29090381.5/94

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.081+/-0.053 χ^2/NDF: 11.8/20

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.041+/-0.042 χ^2/NDF: 27.5/25

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

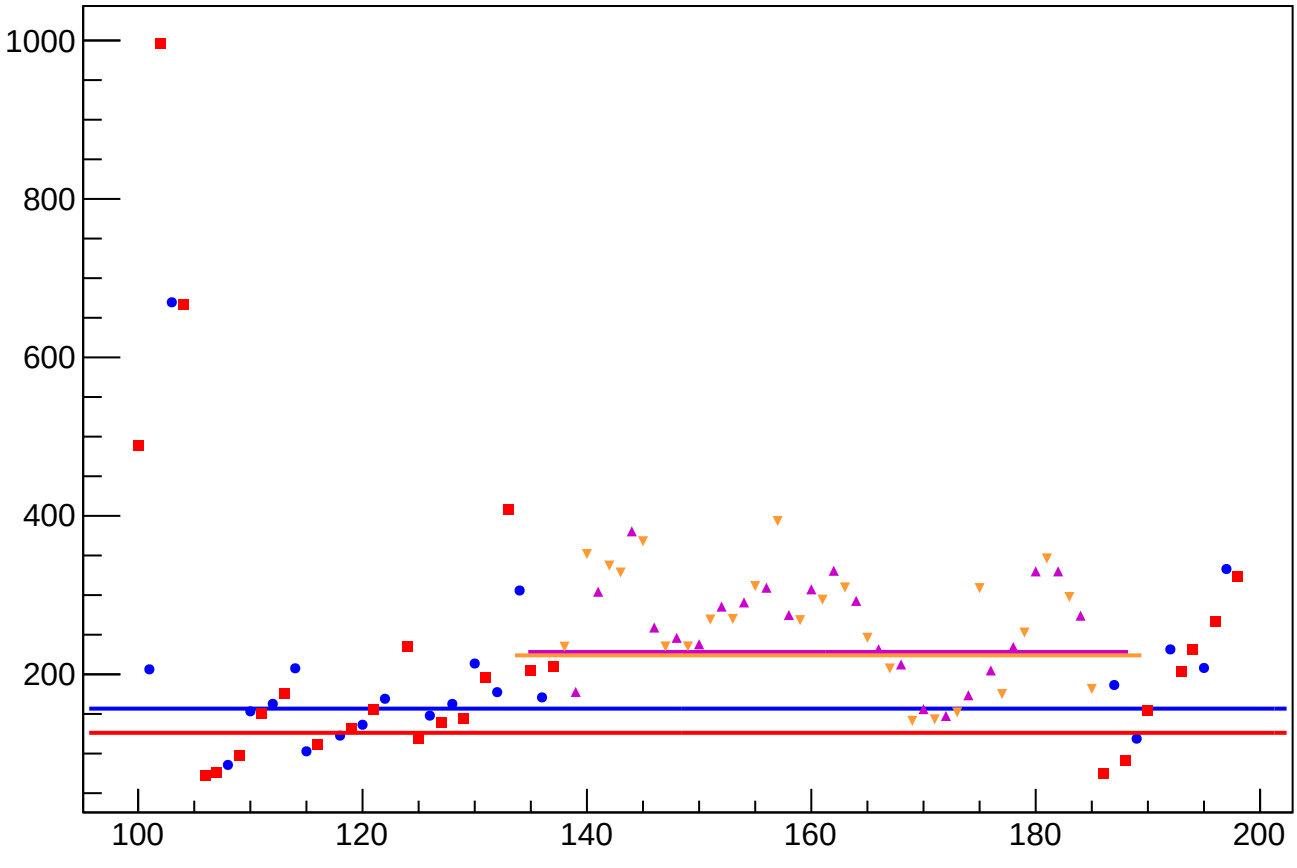
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.006+/-0.033 χ^2/NDF: 42.6/46

In: 0.085+/-0.039 χ^2/NDF:41.9/43

Out: -0.035+/-0.033 χ^2/NDF:51.6/50

All: 0.016+/-0.025 χ^2/NDF: 99.0/94



Right In: 156.704+/-0.037 χ^2/NDF: 2571382.0/20

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 126.176+/-0.030 χ^2/NDF: 5041481.1/25

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

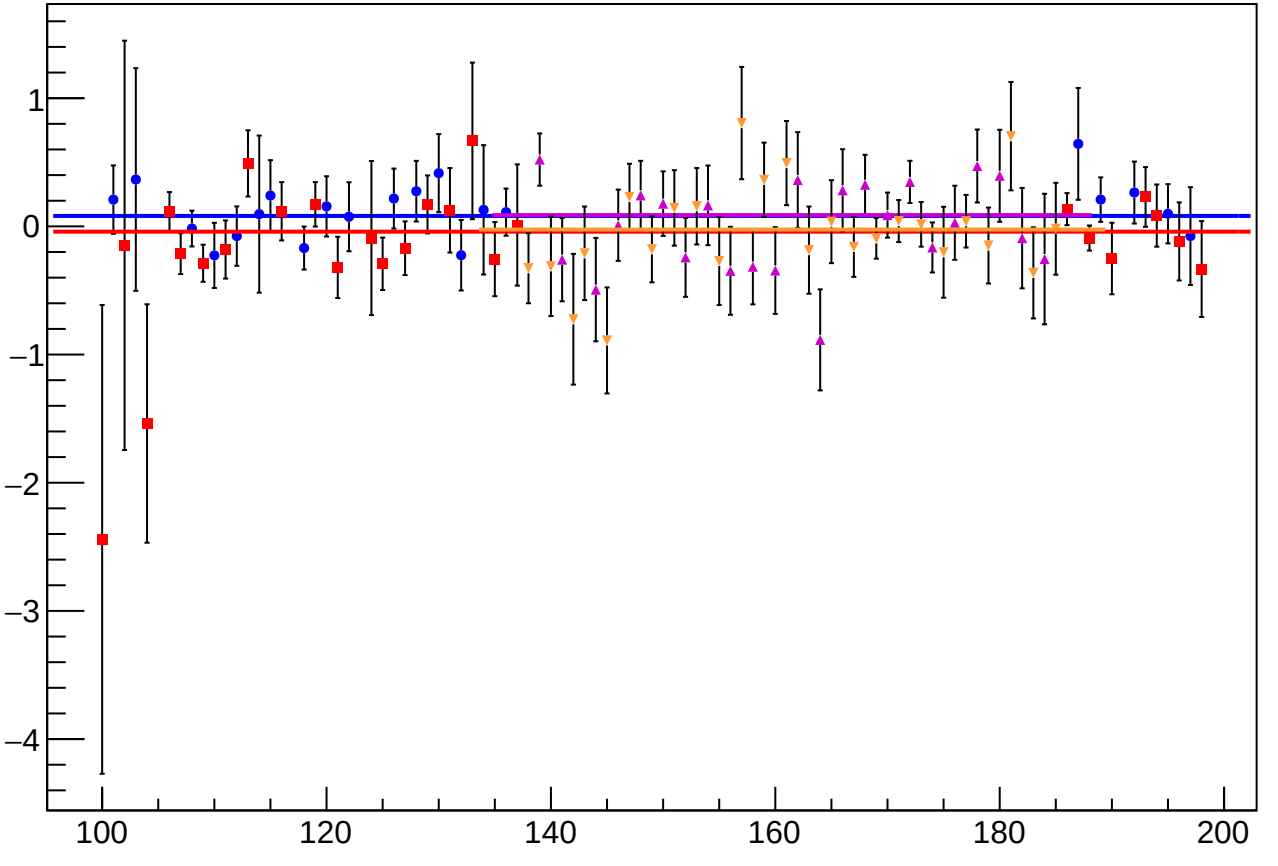
Right: 137.972+/-0.023 χ^2/NDF: 8023051.9/46

In: 189.938+/-0.027 χ^2/NDF:6764751.4/43

Out: 162.416+/-0.024 χ^2/NDF:12515900.6/50

All: 174.126+/-0.018 χ^2/NDF: 19863916.6/94

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.081+/-0.053 χ^2/NDF: 11.8/20

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.041+/-0.042 χ^2/NDF: 27.5/25

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

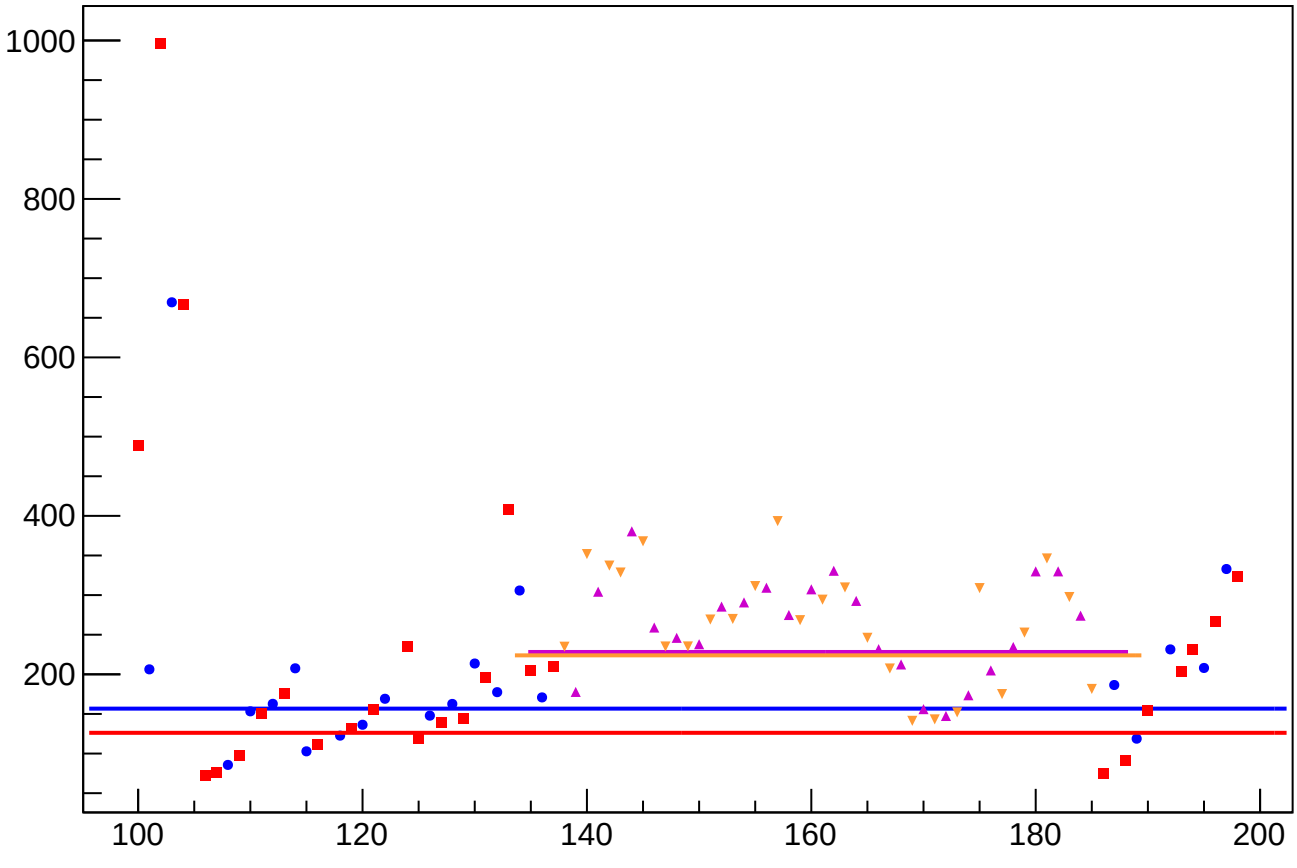
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.006+/-0.033 χ^2/NDF: 42.6/46

In: 0.085+/-0.039 χ^2/NDF:41.9/43

Out: -0.035+/-0.033 χ^2/NDF:51.6/50

All: 0.016+/-0.025 χ^2/NDF: 99.0/94



Right In: 156.704+/-0.037 χ^2/NDF: 2571382.0/20

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 126.176+/-0.030 χ^2/NDF: 5041481.1/25

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

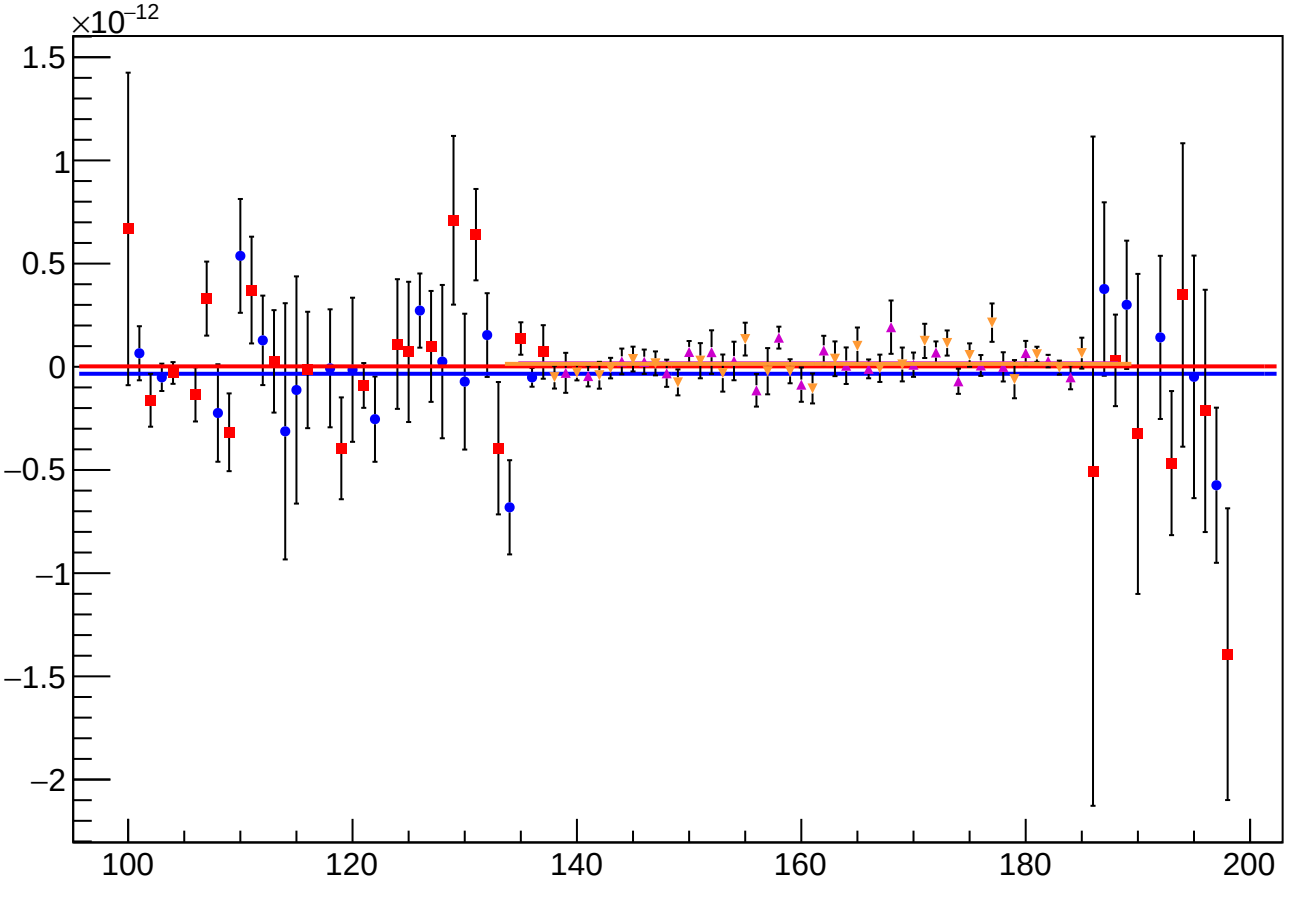
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 137.972+/-0.023 χ^2/NDF: 8023051.9/46

In: 189.938+/-0.027 χ^2/NDF:6764751.4/43

Out: 162.416+/-0.024 χ^2/NDF:12515900.6/50

All: 174.126+/-0.018 χ^2/NDF: 19863916.6/94



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.2/25

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

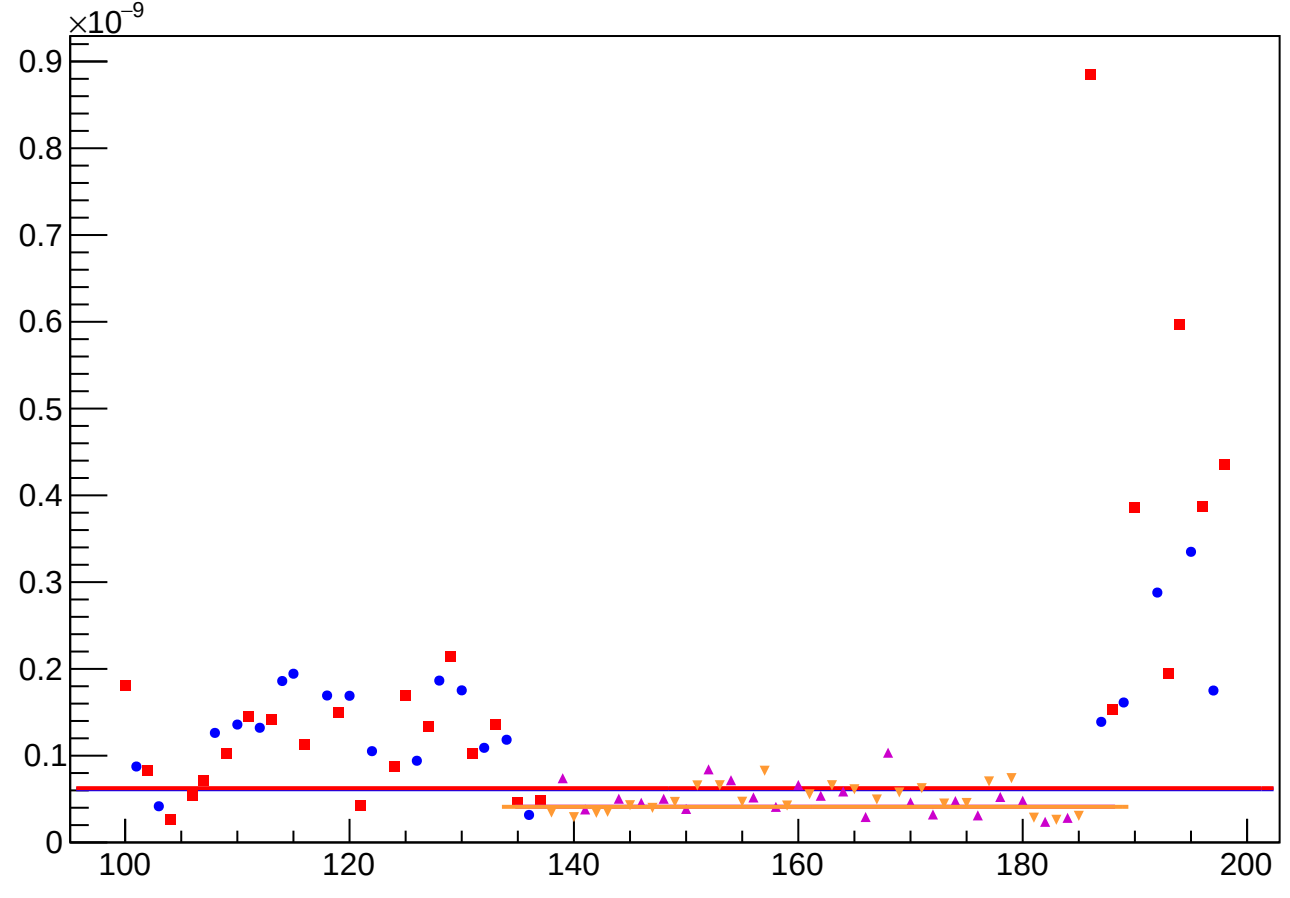
Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

Right: -0.000+/-0.000 χ^2/NDF: 62.7/46

In: 0.000+/-0.000 χ^2/NDF:47.8/43

Out: 0.000+/-0.000 χ^2/NDF:63.6/50

All: 0.000+/-0.000 χ^2/NDF: 111.5/94



Right In: 0.000+/-0.000 χ^2/NDF: 4704811.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6528310.2/25

Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

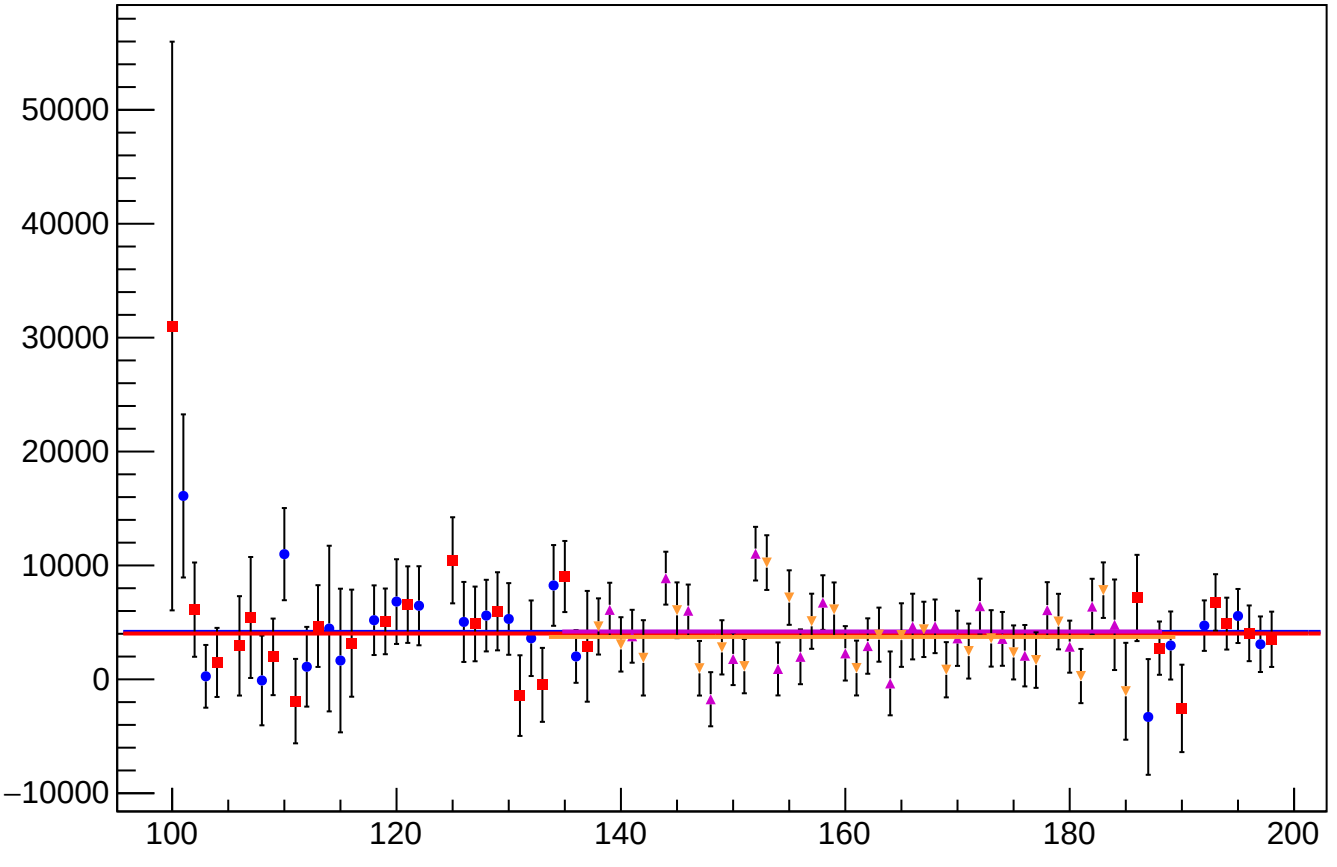
Left: 0.000+/-0.000 χ^2/NDF: 5496578.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11234622.3/46

In: 0.000+/-0.000 χ^2/NDF:8258294.0/43

Out: 0.000+/-0.000 χ^2/NDF:9988000.3/50

All: 0.000+/-0.000 χ^2/NDF: 18246321.8/94



Right In: 4166.143+/-706.124 χ^2/NDF: 16.3/20

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: 4021.431+/-655.168 χ^2/NDF: 21.5/24

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

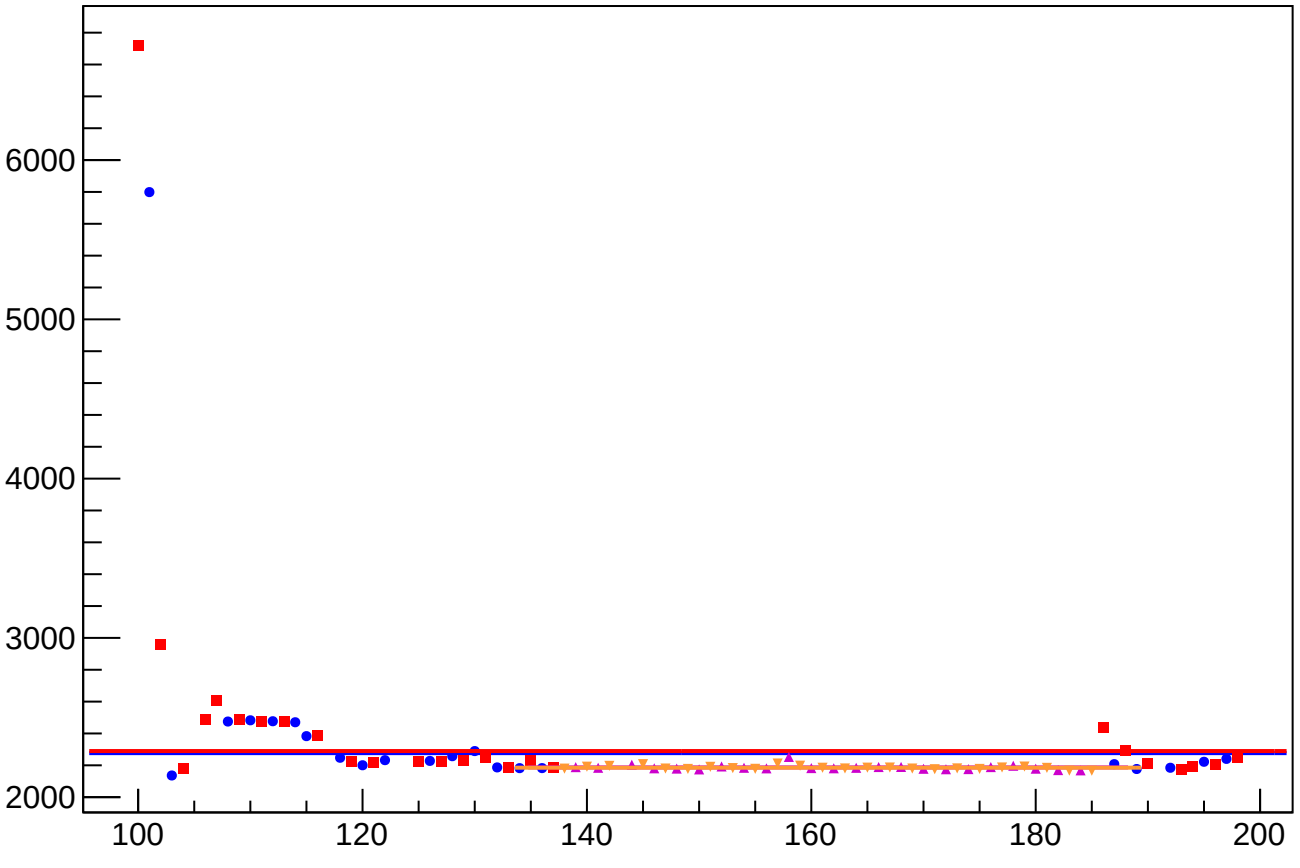
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4088.378+/-480.279 χ^2/NDF: 37.8/45

In: 4185.711+/-413.748 χ^2/NDF:48.4/43

Out: 3835.123+/-401.041 χ^2/NDF:47.1/48

All: 4004.951+/-287.966 χ^2/NDF: 95.9/92



Right In: 2276.479+/-0.499 χ^2/NDF: 523442.5/20

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2289.601+/-0.463 χ^2/NDF: 170325.7/24

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

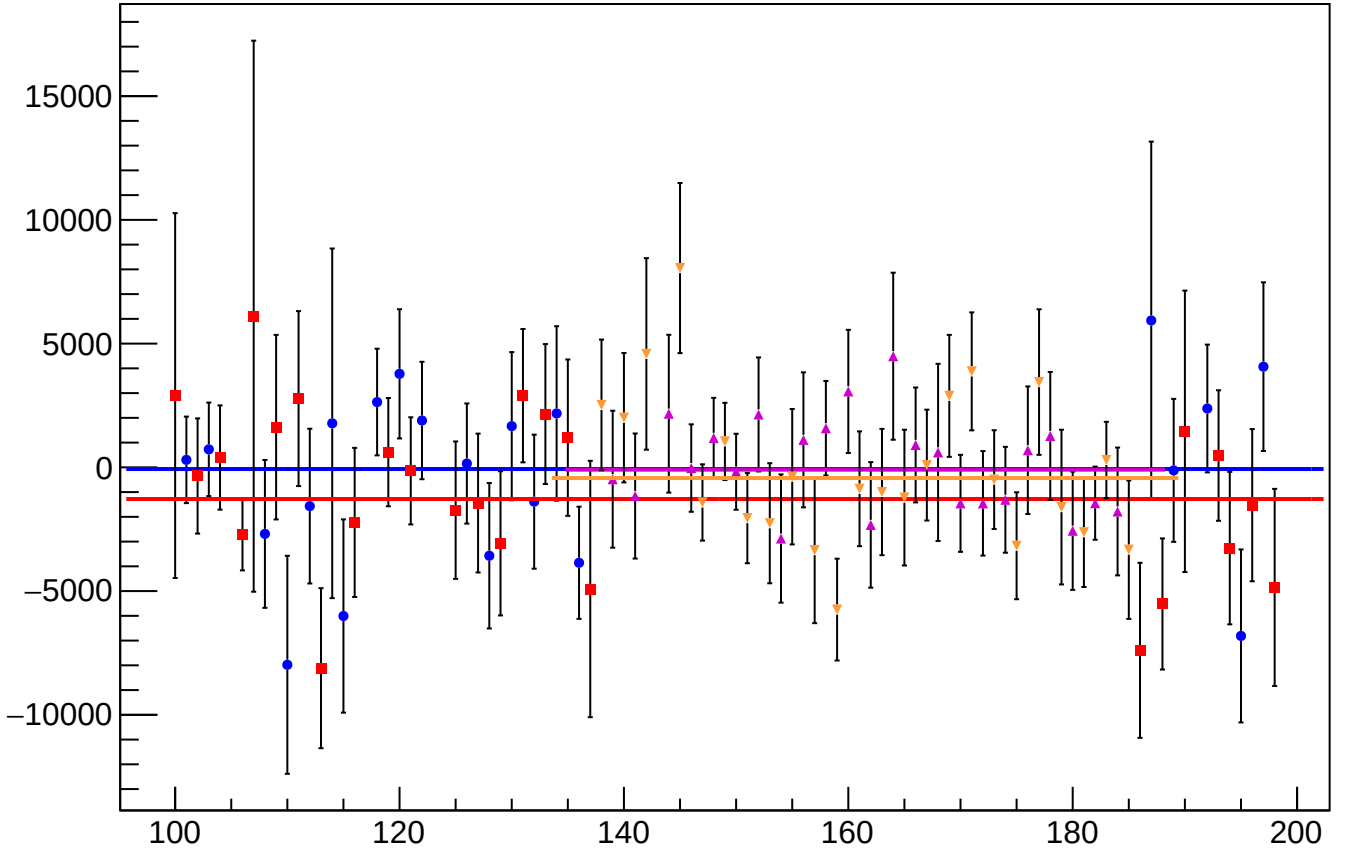
Right: 2283.530+/-0.340 χ^2/NDF: 694139.4/45

In: 2217.553+/-0.293 χ^2/NDF:546715.6/43

Out: 2224.276+/-0.284 χ^2/NDF:202937.9/48

All: 2221.019+/-0.204 χ^2/NDF: 749925.8/92

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -67.594+/-601.462 χ^2/NDF: 23.2/20

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

Right Out: -1279.654+/-563.248 χ^2/NDF: 23.0/24

Left In: -92.649+/-460.669 χ^2/NDF:12.8/22

Left: -261.837+/-326.347 χ^2/NDF: 44.3/46

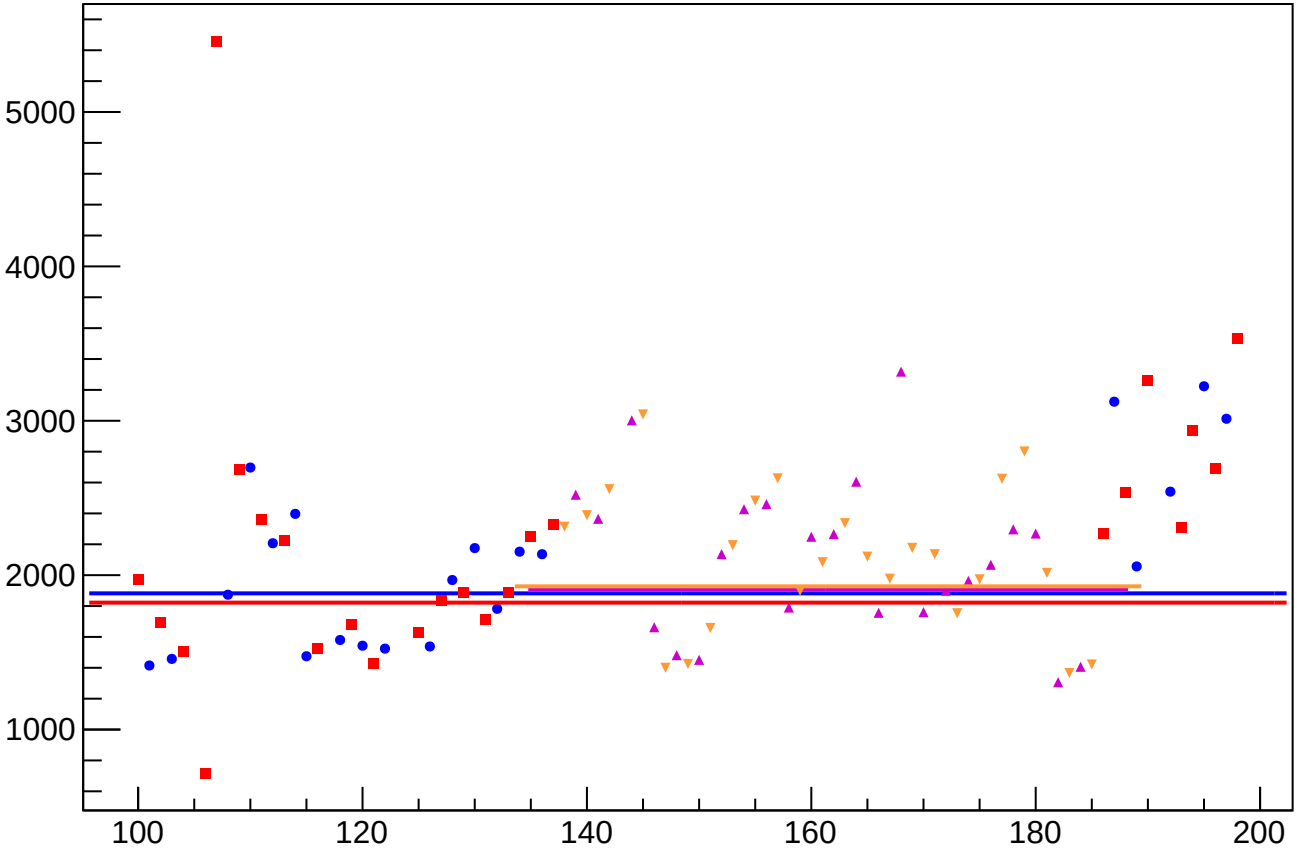
Right: -713.349+/-411.123 χ^2/NDF: 48.4/45

In: -83.385+/-365.723 χ^2/NDF:36.0/43

Out: -773.435+/-357.384 χ^2/NDF:55.6/48

All: -436.366+/-255.606 χ^2/NDF: 93.4/92

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1882.261+/-0.425 χ^2/NDF: 1296759.6/20

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1822.109+/-0.398 χ^2/NDF: 2980179.0/24

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

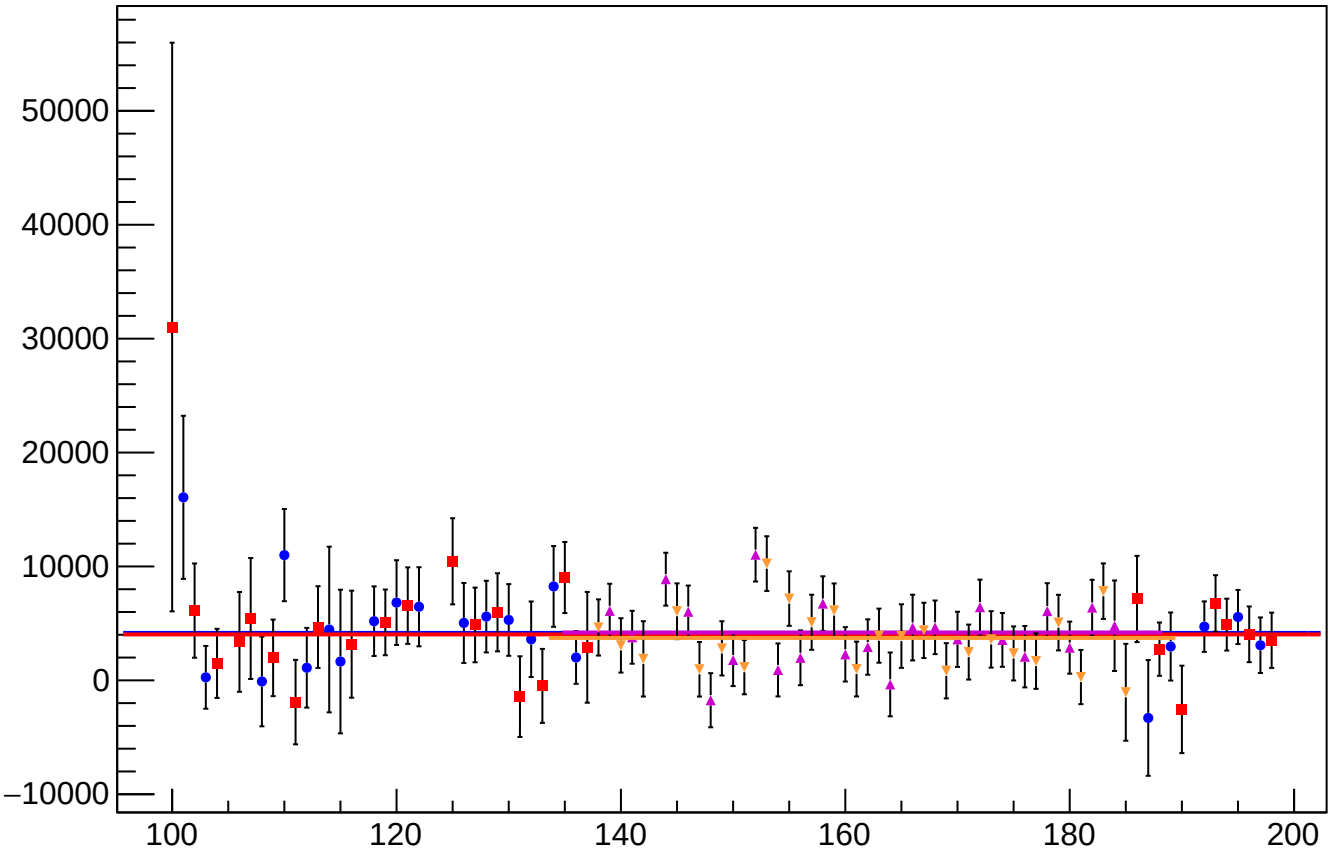
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1850.214+/-0.291 χ^2/NDF: 4287596.1/45

In: 1899.500+/-0.259 χ^2/NDF:3241631.0/43

Out: 1885.166+/-0.253 χ^2/NDF:4820520.8/48

All: 1892.168+/-0.181 χ^2/NDF: 8063723.3/92



Right In: 4165.744+/-706.124 χ^2/NDF: 16.3/20

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4031.703+/-655.231 χ^2/NDF: 21.4/24

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

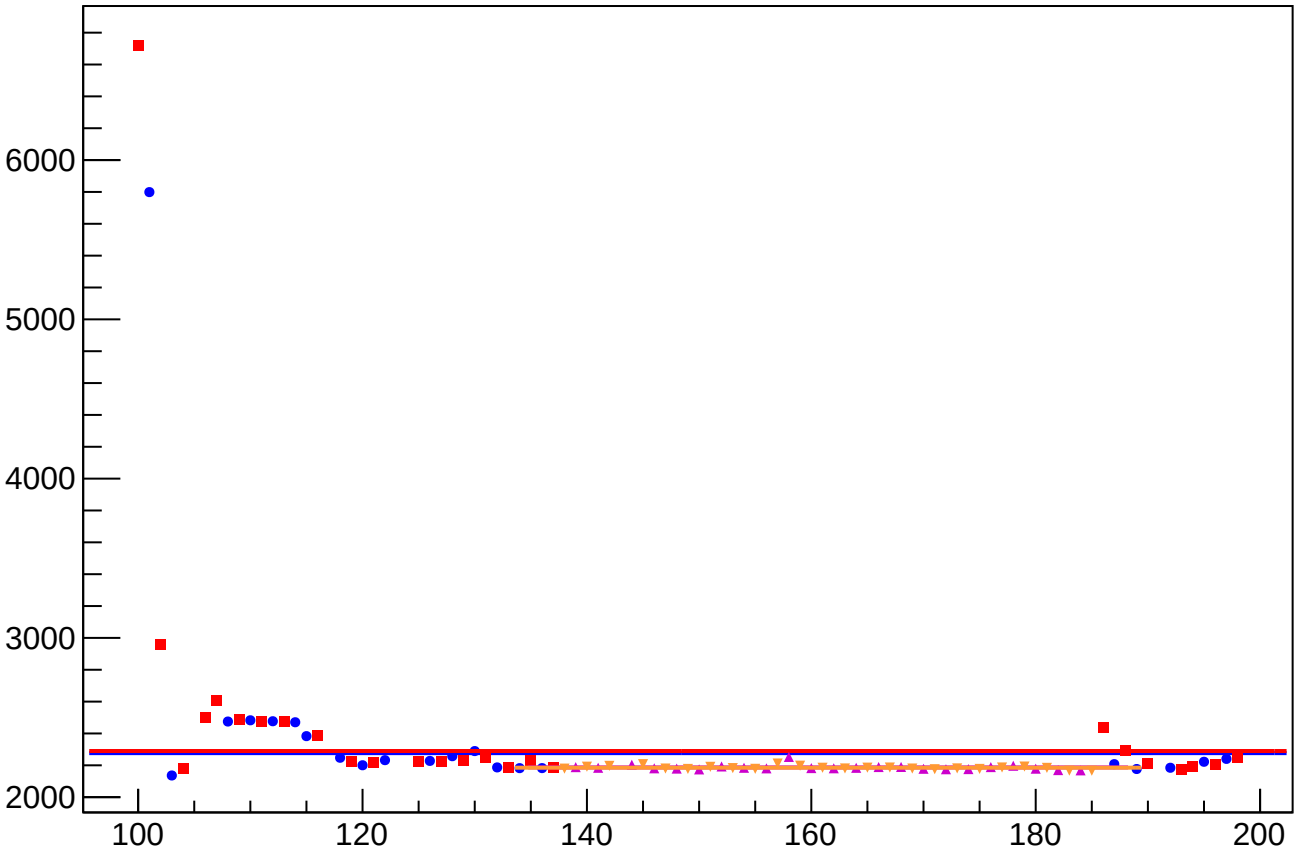
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4093.720+/-480.304 χ^2/NDF: 37.8/45

In: 4185.652+/-413.748 χ^2/NDF:48.4/43

Out: 3838.925+/-401.055 χ^2/NDF:47.0/48

All: 4006.888+/-287.972 χ^2/NDF: 95.8/92



Right In: 2276.479+/-0.499 χ^2/NDF: 523443.0/20

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2289.802+/-0.463 χ^2/NDF: 170749.5/24

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

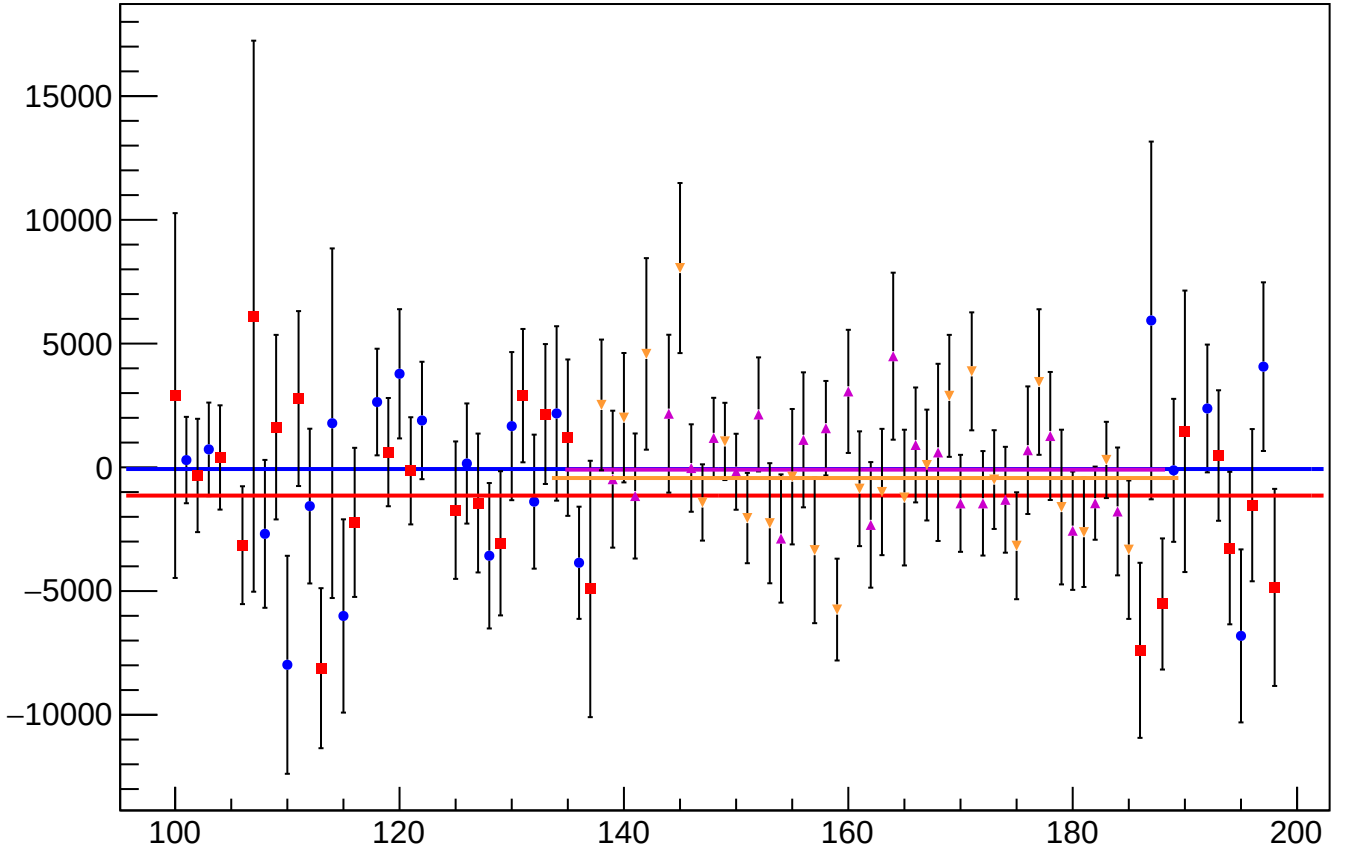
Right: 2283.638+/-0.340 χ^2/NDF: 694575.0/45

In: 2217.553+/-0.293 χ^2/NDF:546716.0/43

Out: 2224.347+/-0.284 χ^2/NDF:203480.2/48

All: 2221.056+/-0.204 χ^2/NDF: 750474.2/92

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -68.498+/-601.364 χ^2/NDF: 23.2/20

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -1141.693+/-592.833 χ^2/NDF: 22.5/24

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

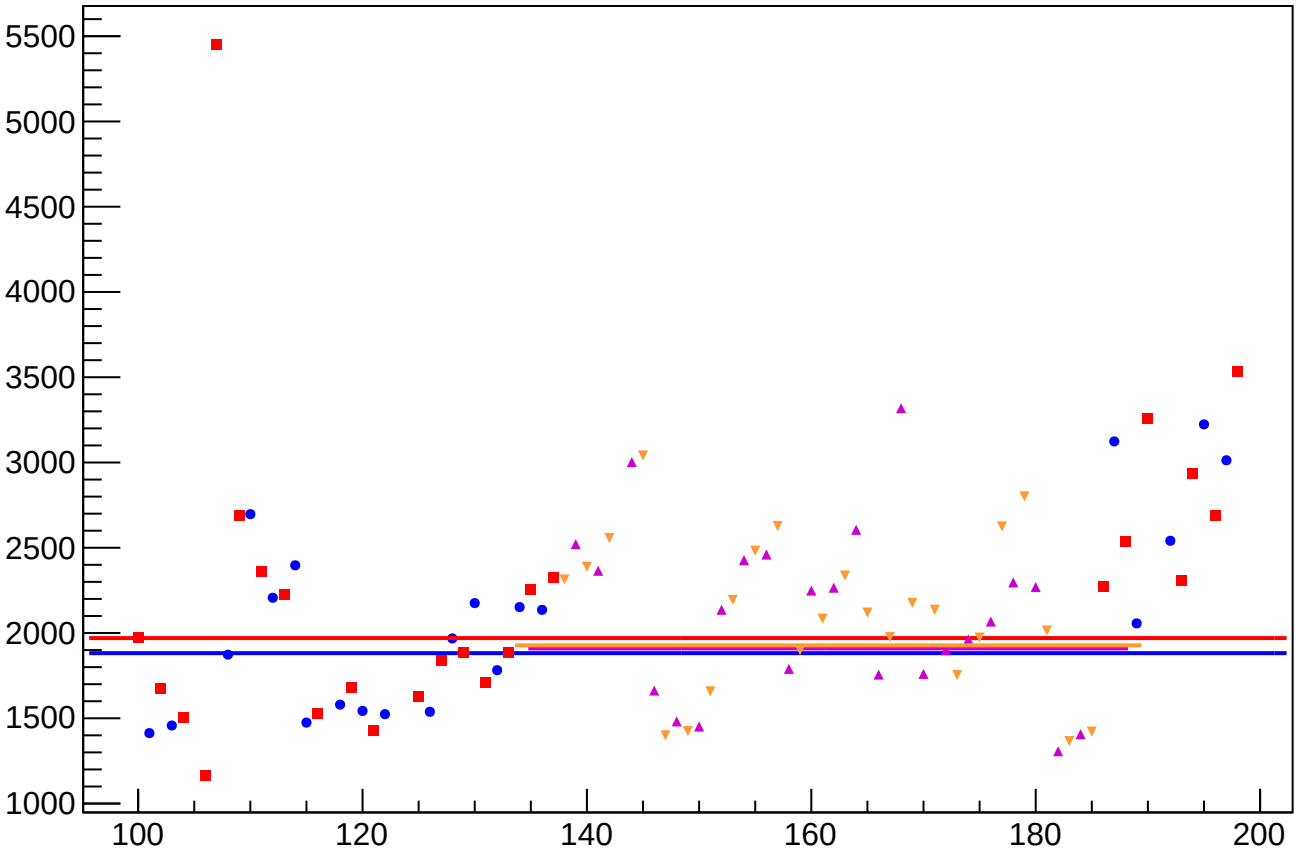
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -612.762+/-422.180 χ^2/NDF: 47.4/45

In: -83.690+/-365.701 χ^2/NDF:36.0/43

Out: -700.631+/-364.598 χ^2/NDF:54.7/48

All: -393.092+/-258.199 χ^2/NDF: 92.1/92



Right In: 1881.887+/-0.425 χ^2/NDF: 1298333.6/20

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1970.379+/-0.419 χ^2/NDF: 1808924.0/24

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

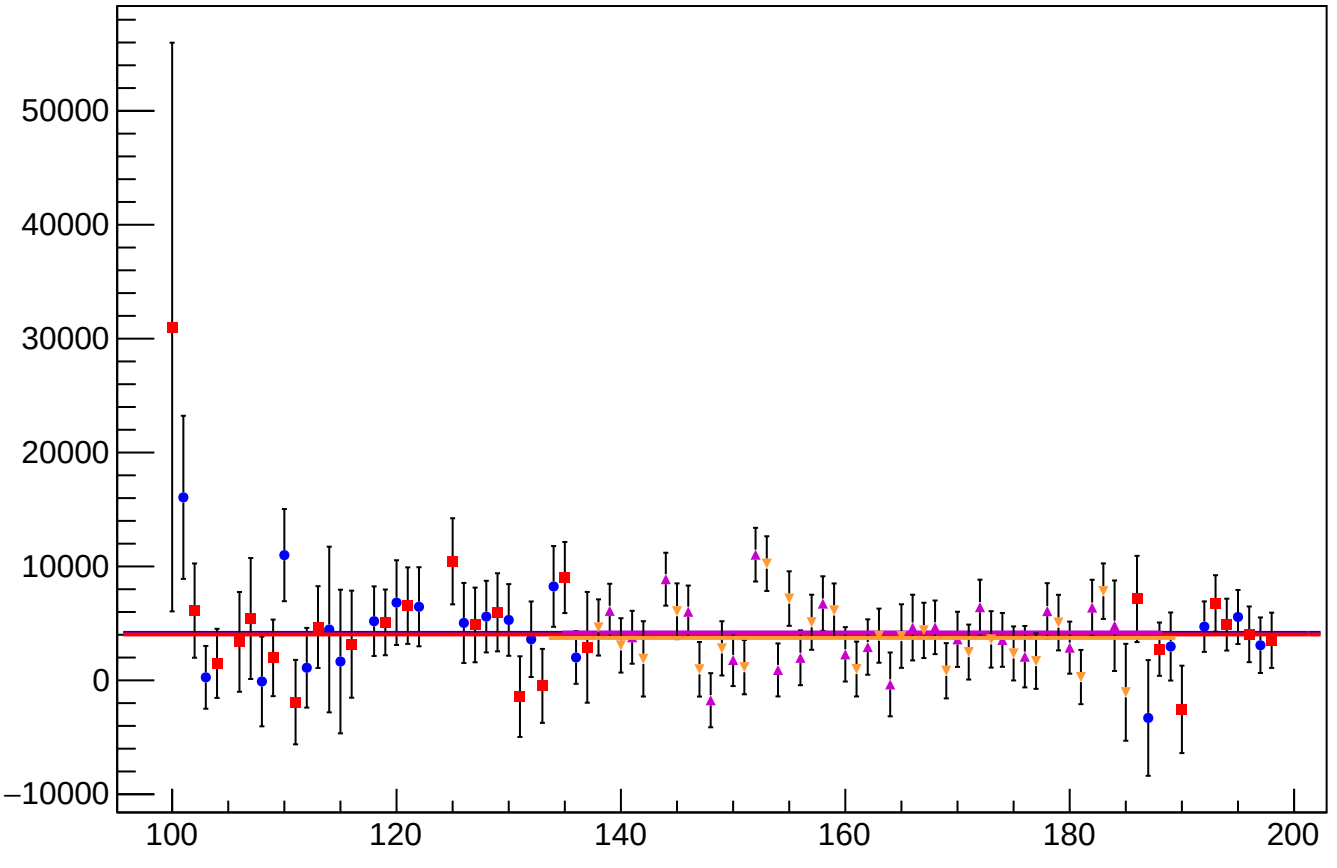
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1926.765+/-0.299 χ^2/NDF: 3129221.0/45

In: 1899.363+/-0.259 χ^2/NDF:3243300.5/43

Out: 1943.817+/-0.258 χ^2/NDF:3613788.7/48

All: 1921.657+/-0.183 χ^2/NDF: 6871910.7/92



Right In: 4165.744+/-706.124 χ^2/NDF: 16.3/20

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4031.703+/-655.231 χ^2/NDF: 21.4/24

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

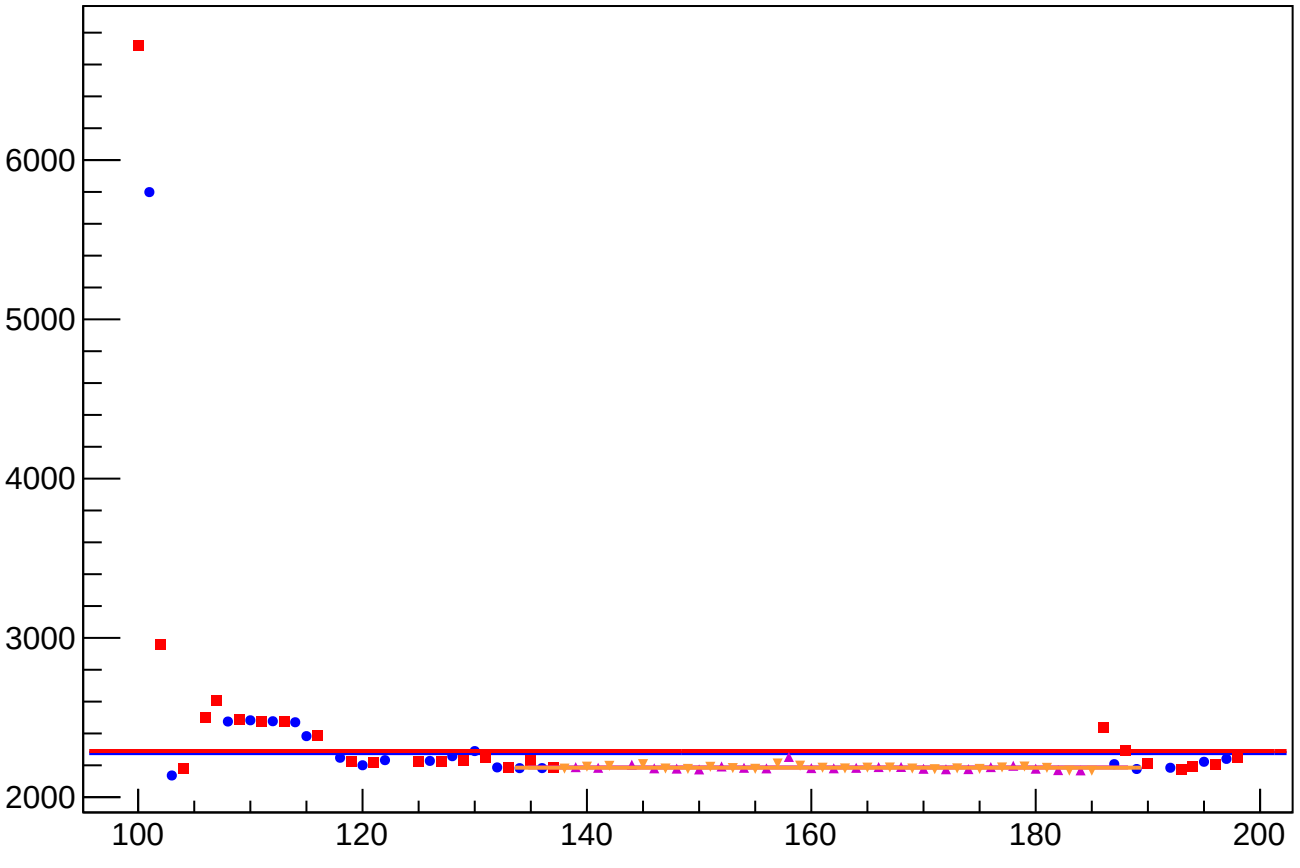
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4093.720+/-480.304 χ^2/NDF: 37.8/45

In: 4185.652+/-413.748 χ^2/NDF:48.4/43

Out: 3838.925+/-401.055 χ^2/NDF:47.0/48

All: 4006.888+/-287.972 χ^2/NDF: 95.8/92



Right In: 2276.479+/-0.499 χ^2/NDF: 523443.0/20

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2289.802+/-0.463 χ^2/NDF: 170749.5/24

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

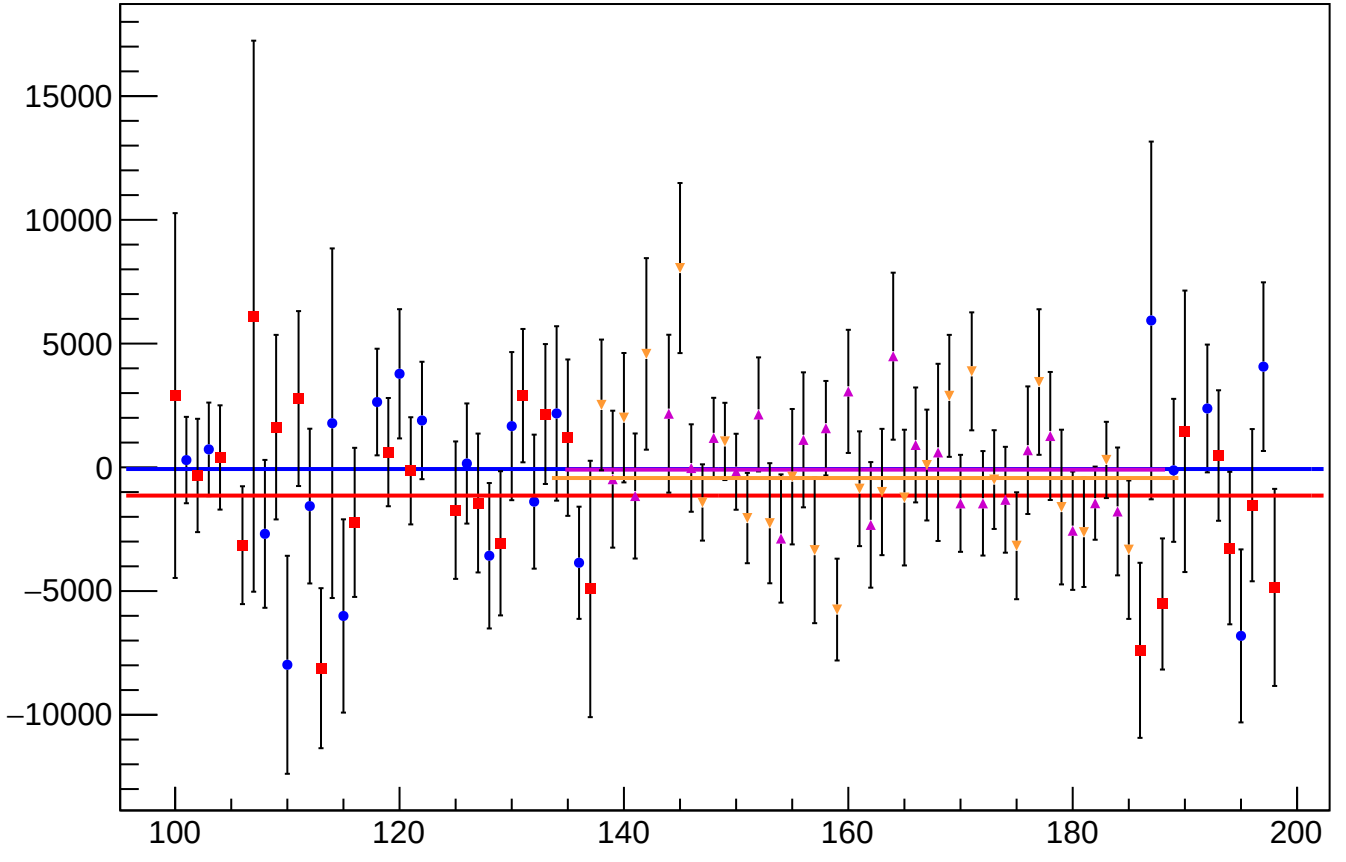
Right: 2283.638+/-0.340 χ^2/NDF: 694575.0/45

In: 2217.553+/-0.293 χ^2/NDF:546716.0/43

Out: 2224.347+/-0.284 χ^2/NDF:203480.2/48

All: 2221.056+/-0.204 χ^2/NDF: 750474.2/92

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -68.498+/-601.364 χ^2/NDF: 23.2/20

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -1141.693+/-592.833 χ^2/NDF: 22.5/24

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

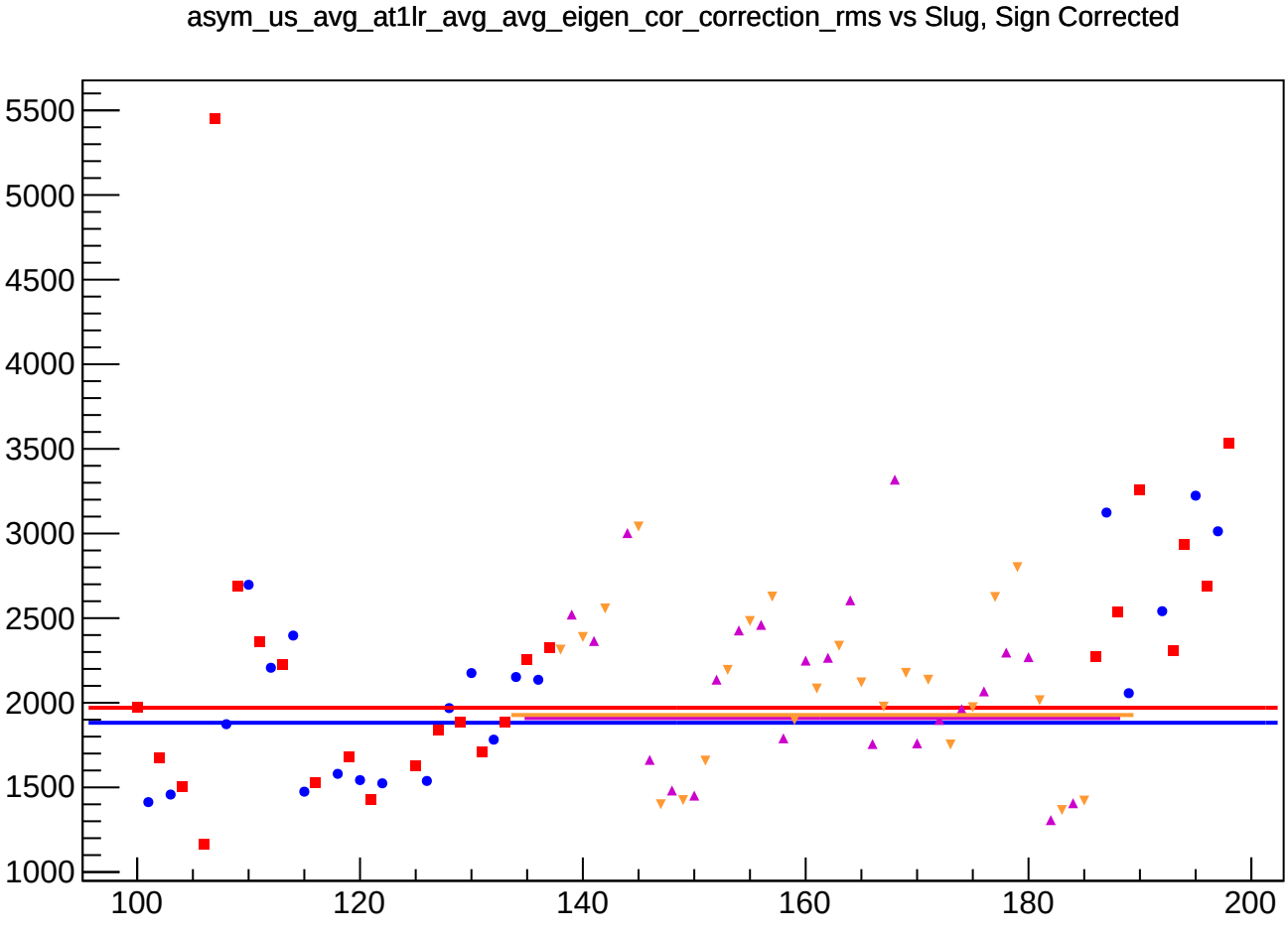
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

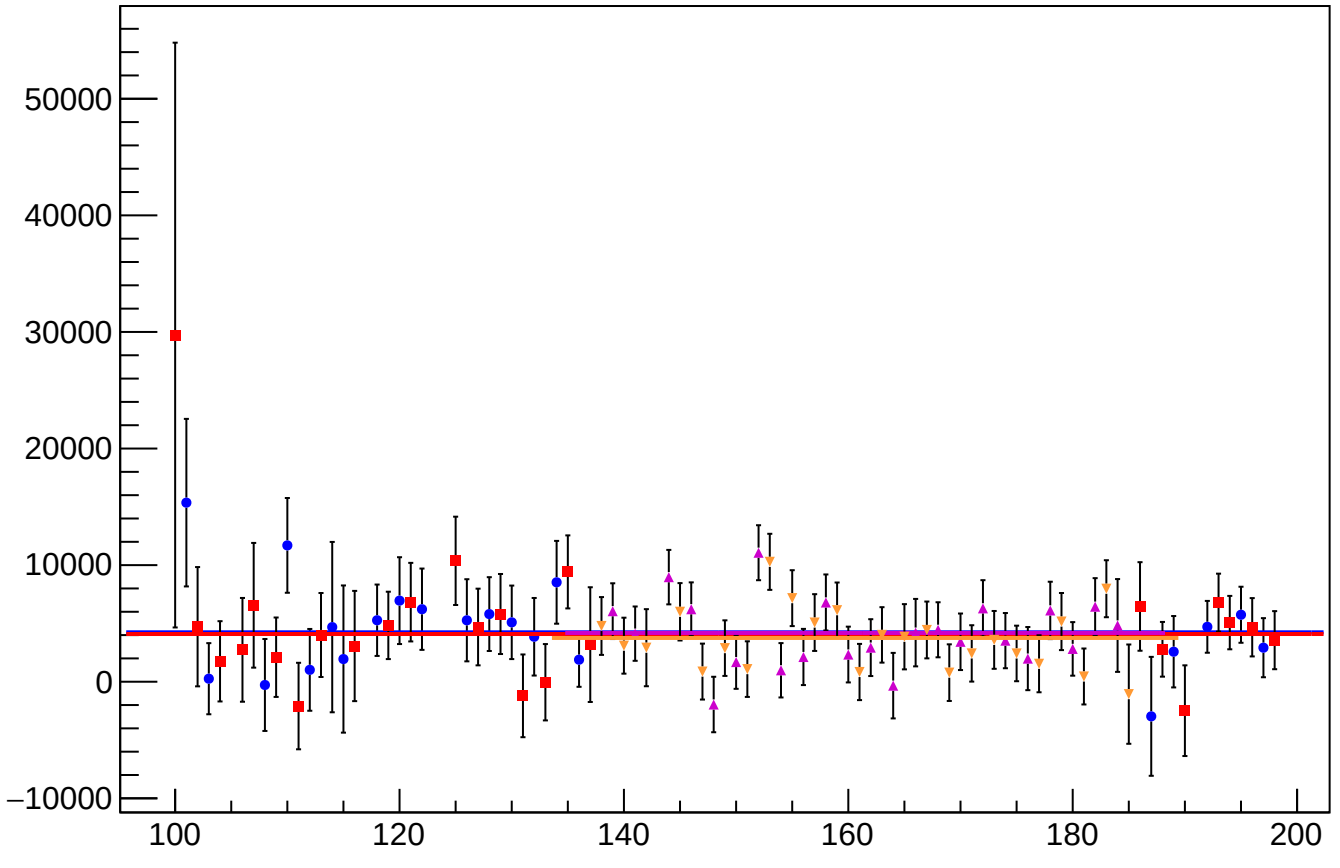
Right: -612.762+/-422.180 χ^2/NDF: 47.4/45

In: -83.690+/-365.701 χ^2/NDF:36.0/43

Out: -700.631+/-364.598 χ^2/NDF:54.7/48

All: -393.092+/-258.199 χ^2/NDF: 92.1/92


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
Right In: 1881.887+/-0.425 χ²/NDF: 1298333.6/20
Left Out: 1927.659+/-0.327 χ²/NDF:1798407.2/23
Right Out: 1970.379+/-0.419 χ²/NDF: 1808924.0/24
Left In: 1909.618+/-0.326 χ²/NDF:1942286.8/22
Left: 1918.605+/-0.231 χ²/NDF: 3742222.0/46
Right: 1926.765+/-0.299 χ²/NDF: 3129221.0/45
In: 1899.363+/-0.259 χ²/NDF:3243300.5/43
Out: 1943.817+/-0.258 χ²/NDF:3613788.7/48
All: 1921.657+/-0.183 χ²/NDF: 6871910.7/92



Right In: 4237.847+/-716.125 χ^2/NDF: 16.6/20

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: 4092.011+/-666.391 χ^2/NDF: 20.5/24

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

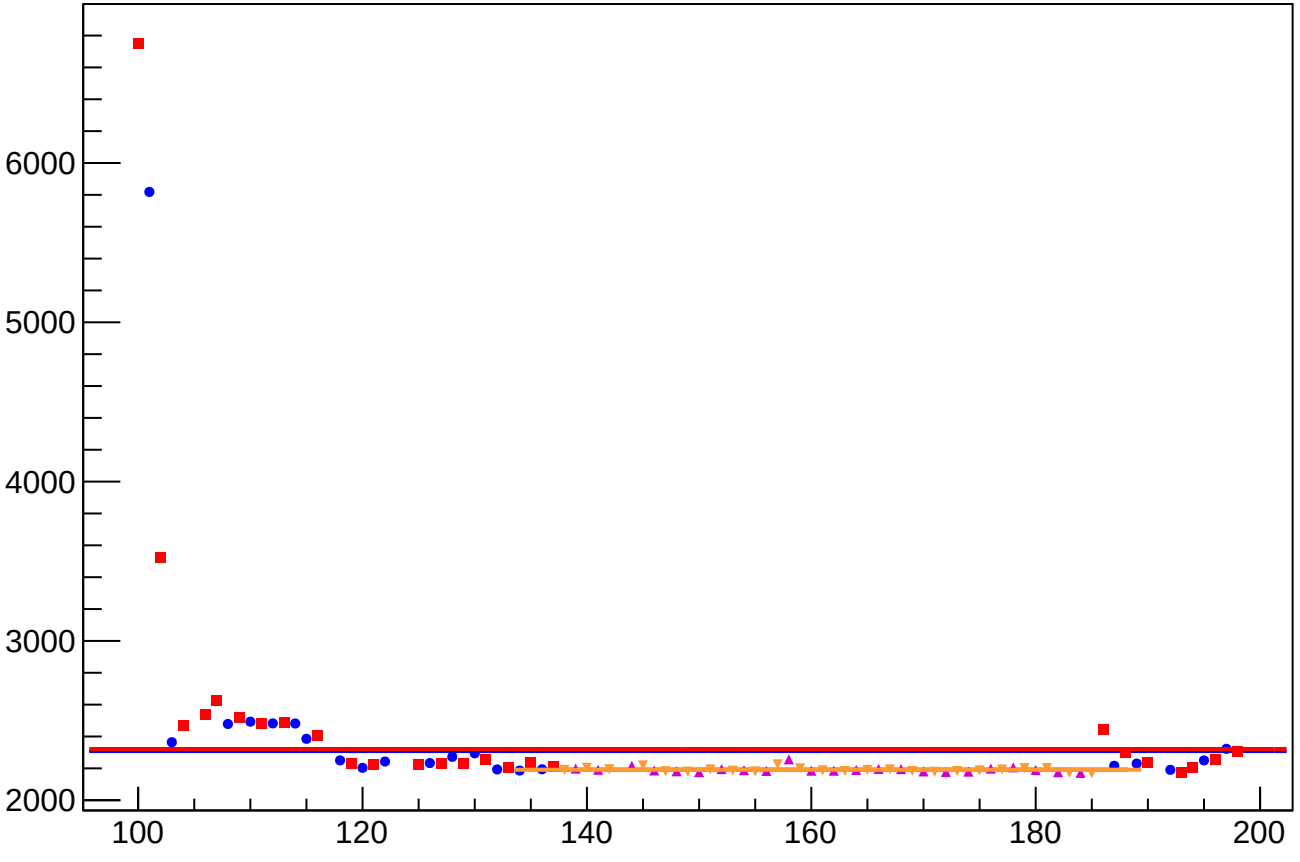
Right: 4159.690+/-487.845 χ^2/NDF: 37.2/45

In: 4202.349+/-416.425 χ^2/NDF:49.3/43

Out: 3878.449+/-404.285 χ^2/NDF:46.3/48

All: 4035.609+/-290.070 χ^2/NDF: 95.9/92

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2308.541+/-0.506 χ^2/NDF: 514725.4/20

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2321.669+/-0.471 χ^2/NDF: 232701.0/24

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

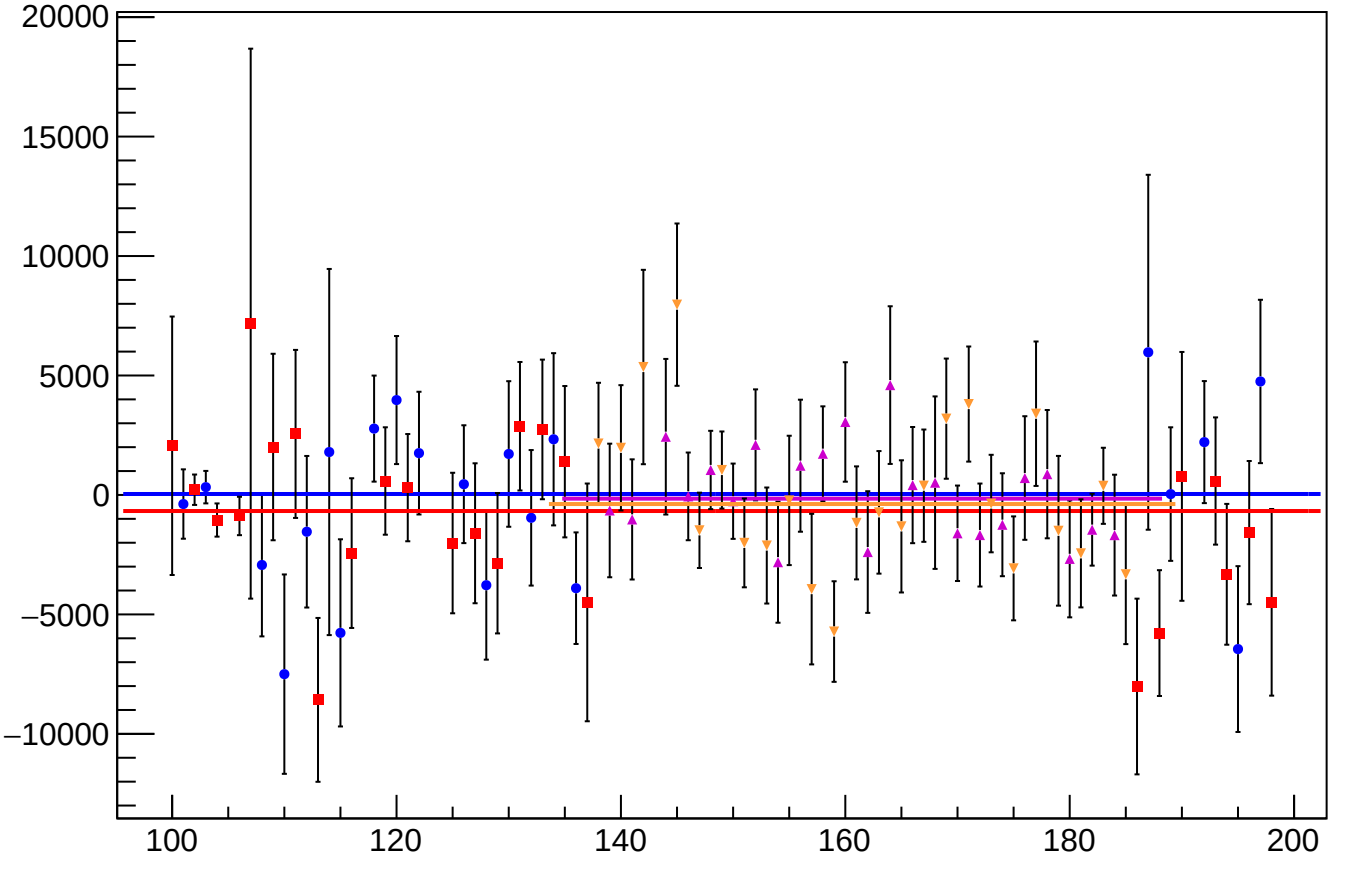
Right: 2315.577+/-0.345 χ^2/NDF: 747786.7/45

In: 2231.540+/-0.294 χ^2/NDF:551943.5/43

Out: 2239.187+/-0.286 χ^2/NDF:282416.4/48

All: 2235.477+/-0.205 χ^2/NDF: 834707.1/92

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 40.215+/-460.604 χ^2/NDF: 23.1/20

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

Right Out: -672.461+/-347.205 χ^2/NDF: 25.4/24

Left In: -154.512+/-467.999 χ^2/NDF:12.8/22

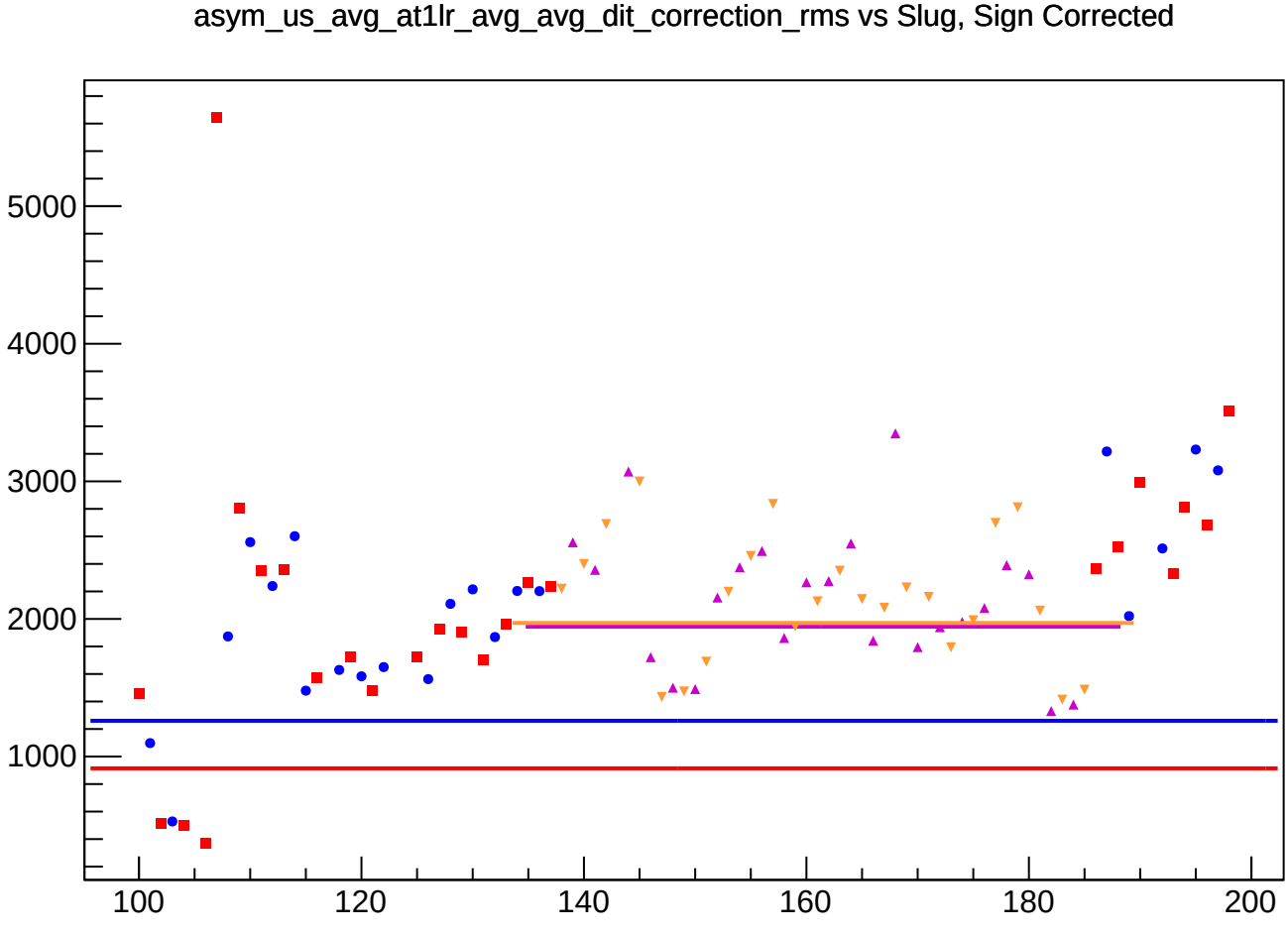
Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

Right: -414.233+/-277.257 χ^2/NDF: 50.0/45

In: -55.597+/-328.280 χ^2/NDF:36.0/43

Out: -569.797+/-279.577 χ^2/NDF:56.4/48

All: -353.633+/-212.848 χ^2/NDF: 93.8/92



Right In: 1259.892+/-0.326 χ^2/NDF: 5922185.8/20

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

Right Out: 914.195+/-0.246 χ^2/NDF: 10325381.1/24

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

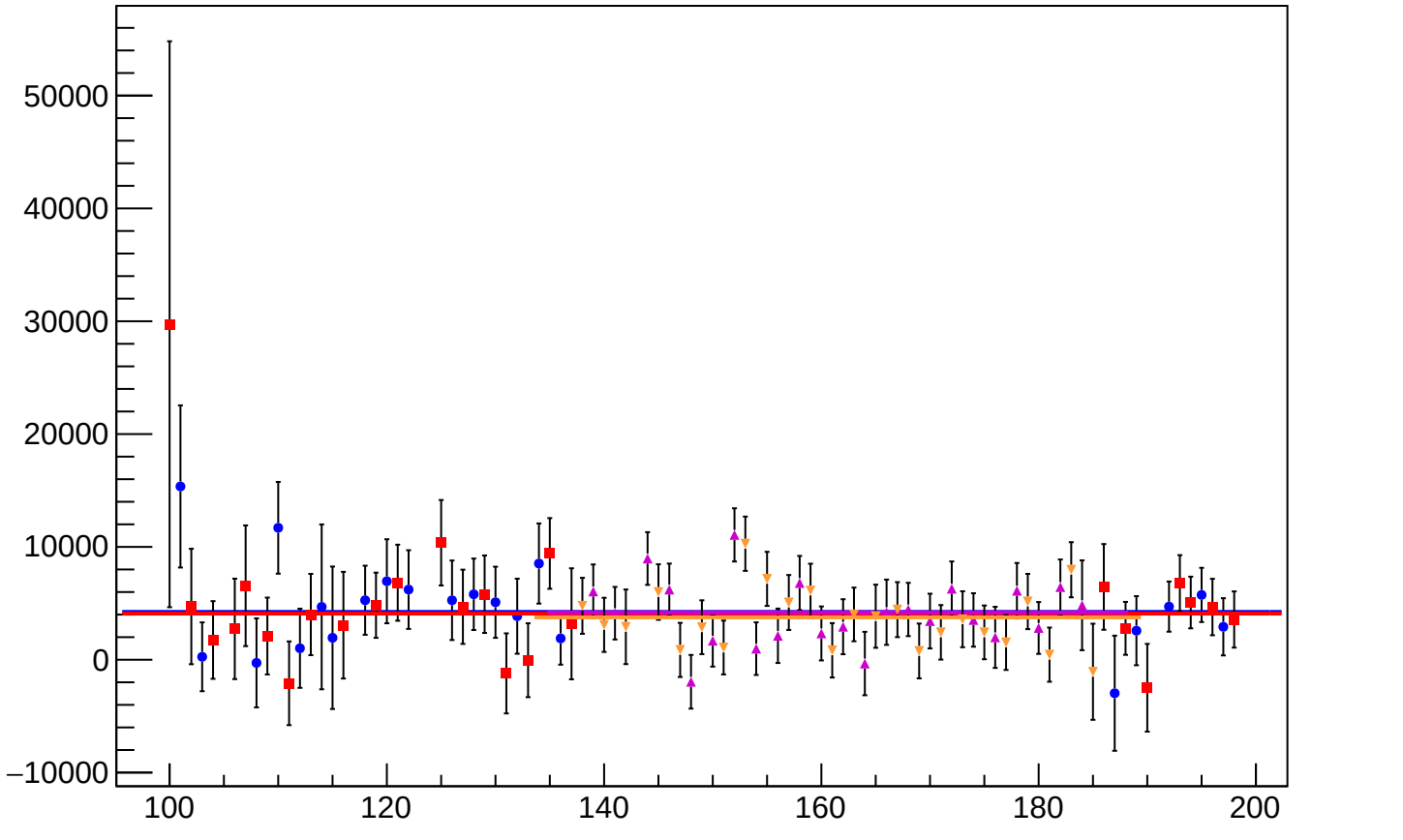
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 1039.453+/-0.196 χ^2/NDF: 16965951.4/45

In: 1596.315+/-0.232 χ^2/NDF:9973568.7/43

Out: 1285.668+/-0.198 χ^2/NDF:18532887.9/48

All: 1416.260+/-0.151 χ^2/NDF: 29544492.5/9



Right In: 4237.843+/-716.125 χ^2/NDF: 16.6/20

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: 4092.007+/-666.390 χ^2/NDF: 20.5/24

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

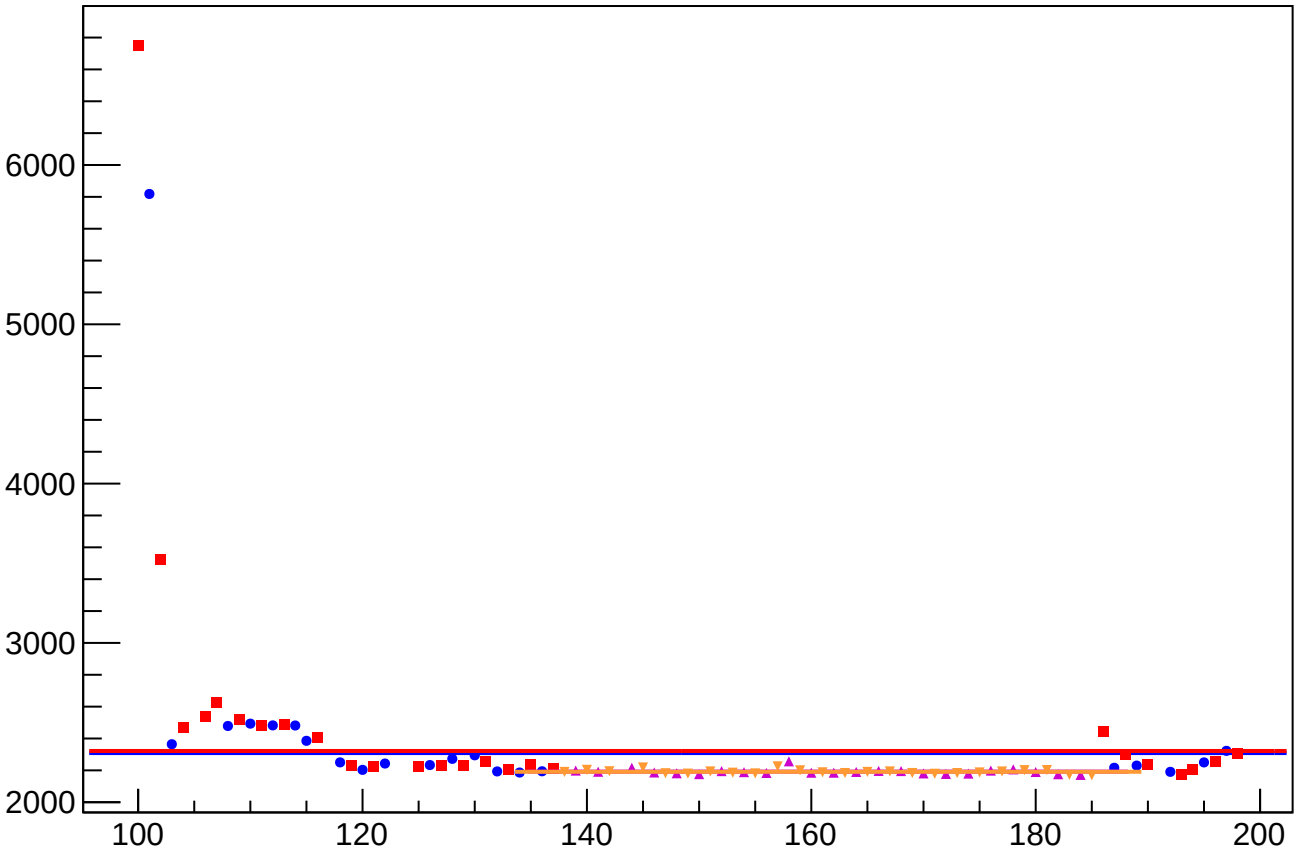
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4159.686+/-487.845 χ^2/NDF: 37.2/45

In: 4202.349+/-416.425 χ^2/NDF:49.3/43

Out: 3878.447+/-404.285 χ^2/NDF:46.3/48

All: 4035.607+/-290.070 χ^2/NDF: 95.9/92



Right In: 2308.541+/-0.506 χ^2/NDF: 514725.4/20

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2321.669+/-0.471 χ^2/NDF: 232699.9/24

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

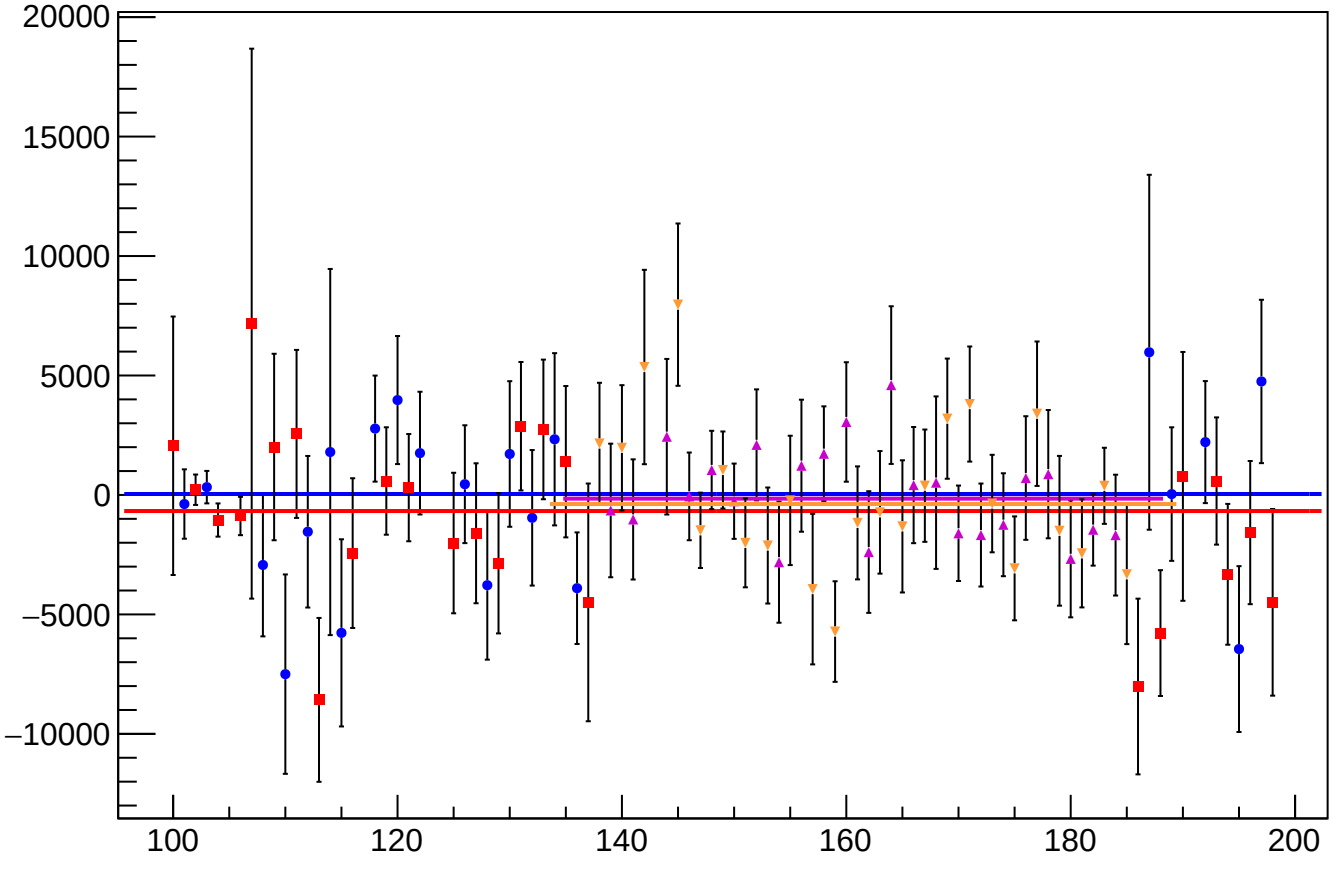
Right: 2315.576+/-0.345 χ^2/NDF: 747785.5/45

In: 2231.540+/-0.294 χ^2/NDF:551943.2/43

Out: 2239.187+/-0.286 χ^2/NDF:282415.0/48

All: 2235.476+/-0.205 χ^2/NDF: 834705.4/92

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 40.210+/-460.606 χ^2/NDF: 23.1/20

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

Right Out: -672.469+/-347.209 χ^2/NDF: 25.4/24

Left In: -154.512+/-468.000 χ^2/NDF:12.8/22

Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

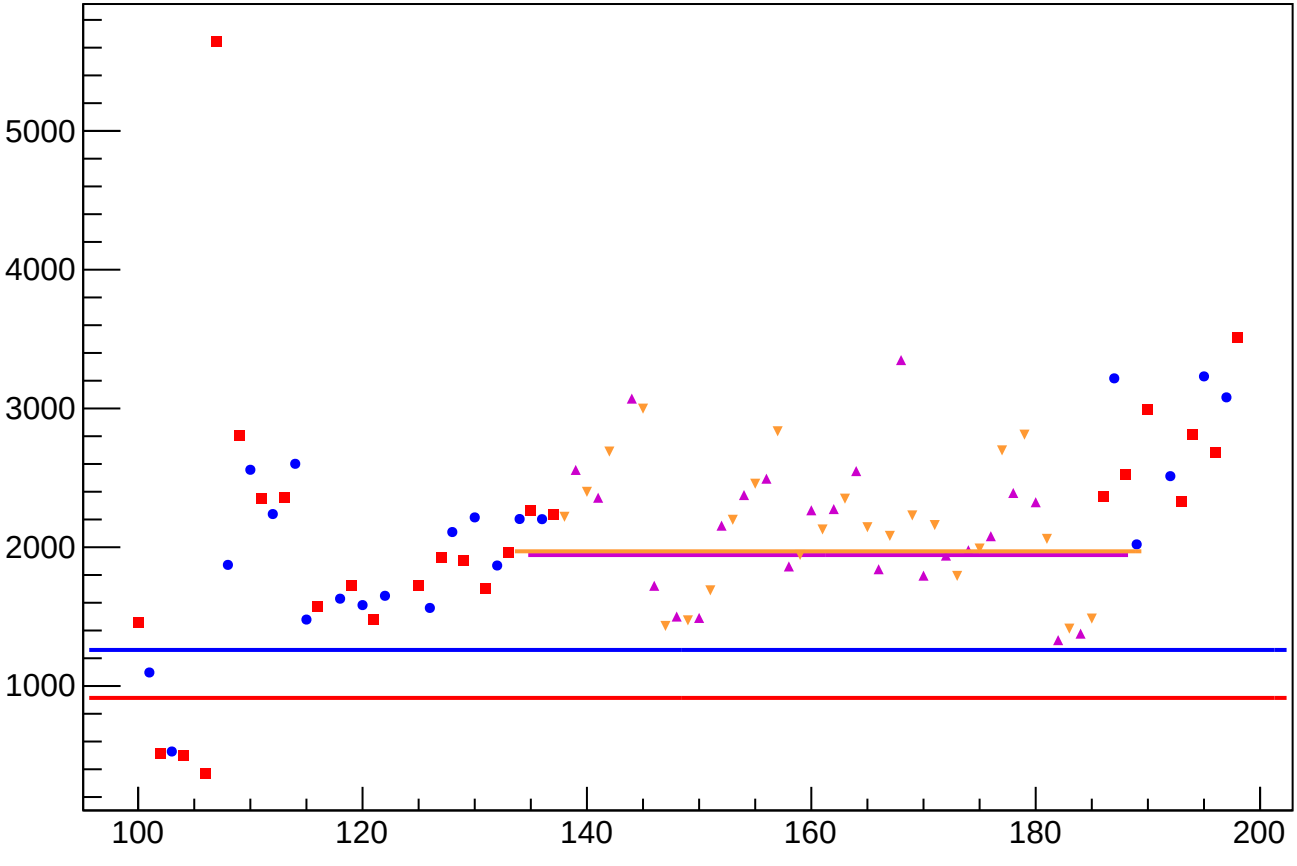
Right: -414.238+/-277.260 χ^2/NDF: 50.0/45

In: -55.601+/-328.281 χ^2/NDF:36.0/43

Out: -569.802+/-279.579 χ^2/NDF:56.4/48

All: -353.636+/-212.849 χ^2/NDF: 93.8/92

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1259.902+/-0.326 χ^2/NDF: 5922085.9/20

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 914.213+/-0.246 χ^2/NDF: 10325186.0/24

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

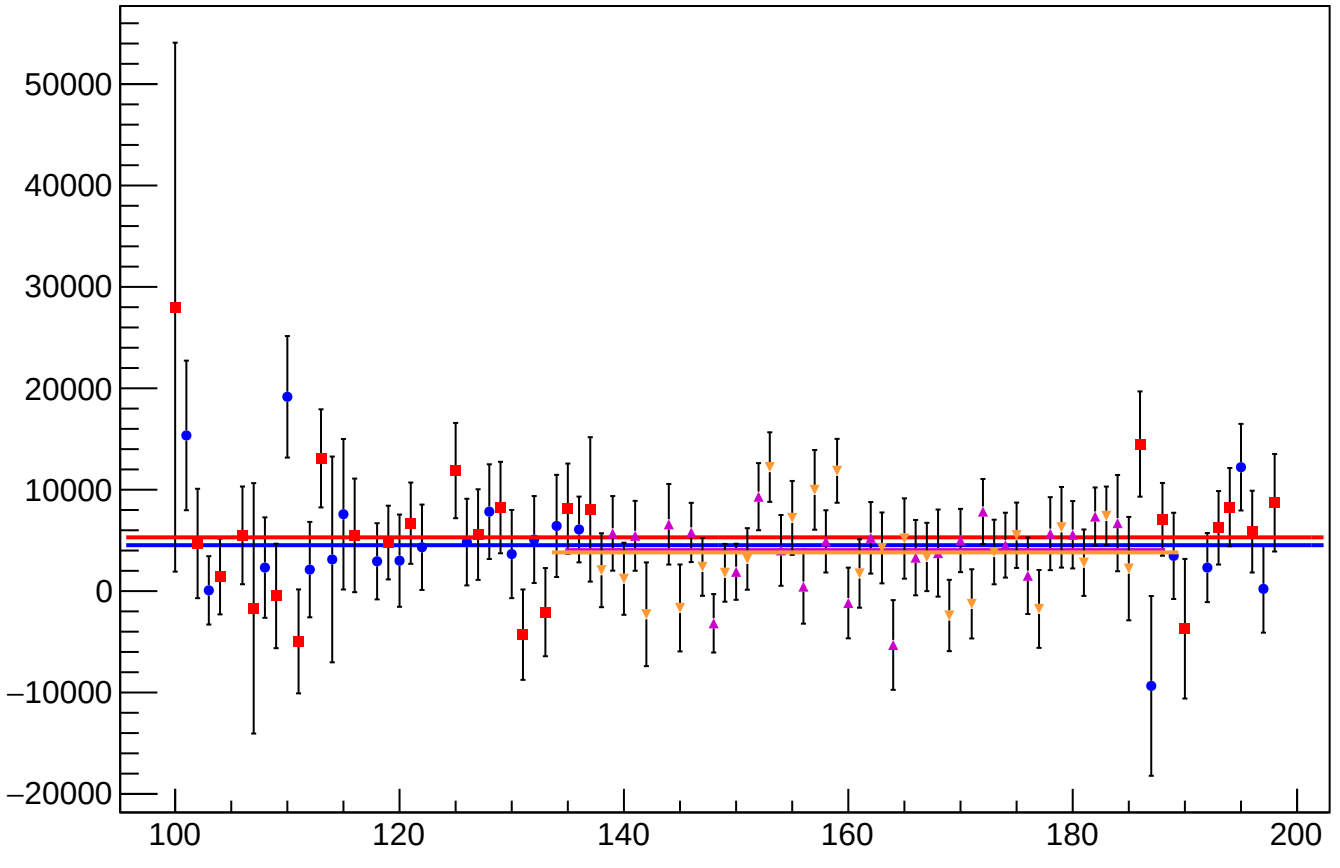
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 1039.469+/-0.196 χ^2/NDF: 16965615.8/45

In: 1596.323+/-0.232 χ^2/NDF:9973410.1/43

Out: 1285.686+/-0.198 χ^2/NDF:18532449.7/48

All: 1416.275+/-0.151 χ^2/NDF: 29543820.6/9



Right In: 4527.784+/-985.959 χ^2/NDF: 18.9/20

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: 5302.097+/-933.660 χ^2/NDF: 26.9/24

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

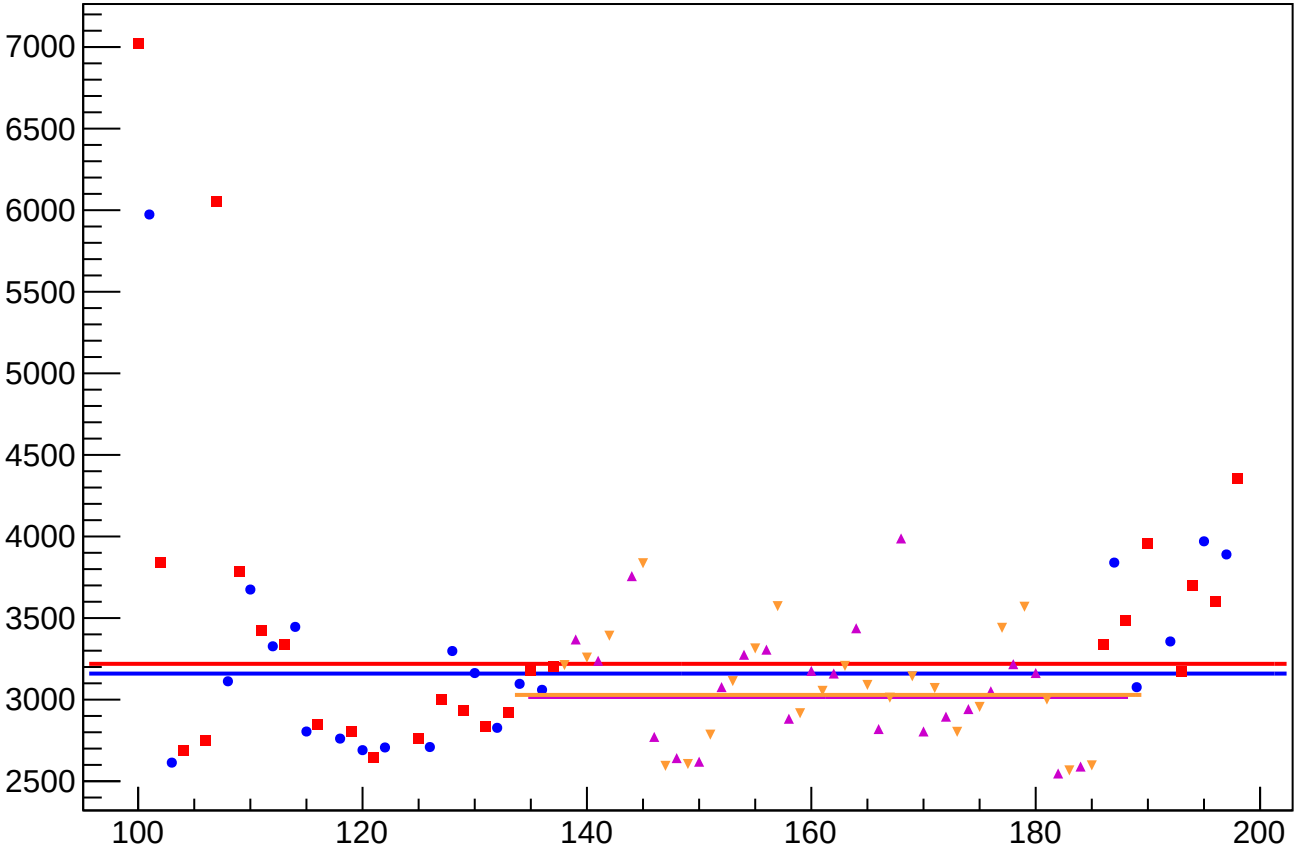
Right: 4936.021+/-677.932 χ^2/NDF: 46.2/45

In: 4208.033+/-575.931 χ^2/NDF:41.6/43

Out: 4360.030+/-564.301 χ^2/NDF:59.4/48

All: 4285.582+/-403.070 χ^2/NDF: 101.0/92

asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3159.657+/-0.697 χ^2/NDF: 620803.7/20

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

Right Out: 3219.436+/-0.660 χ^2/NDF: 590803.6/24

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

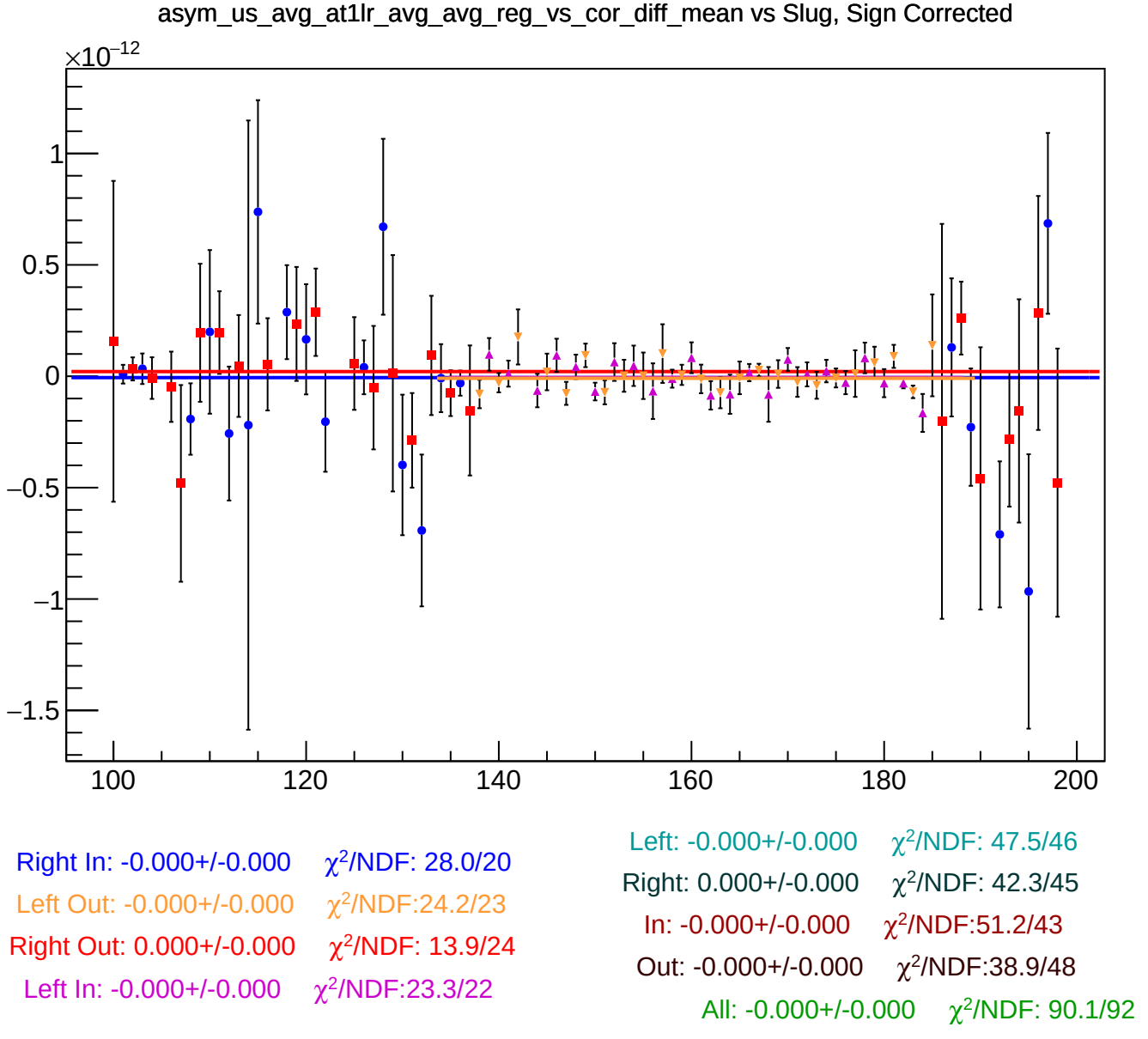
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

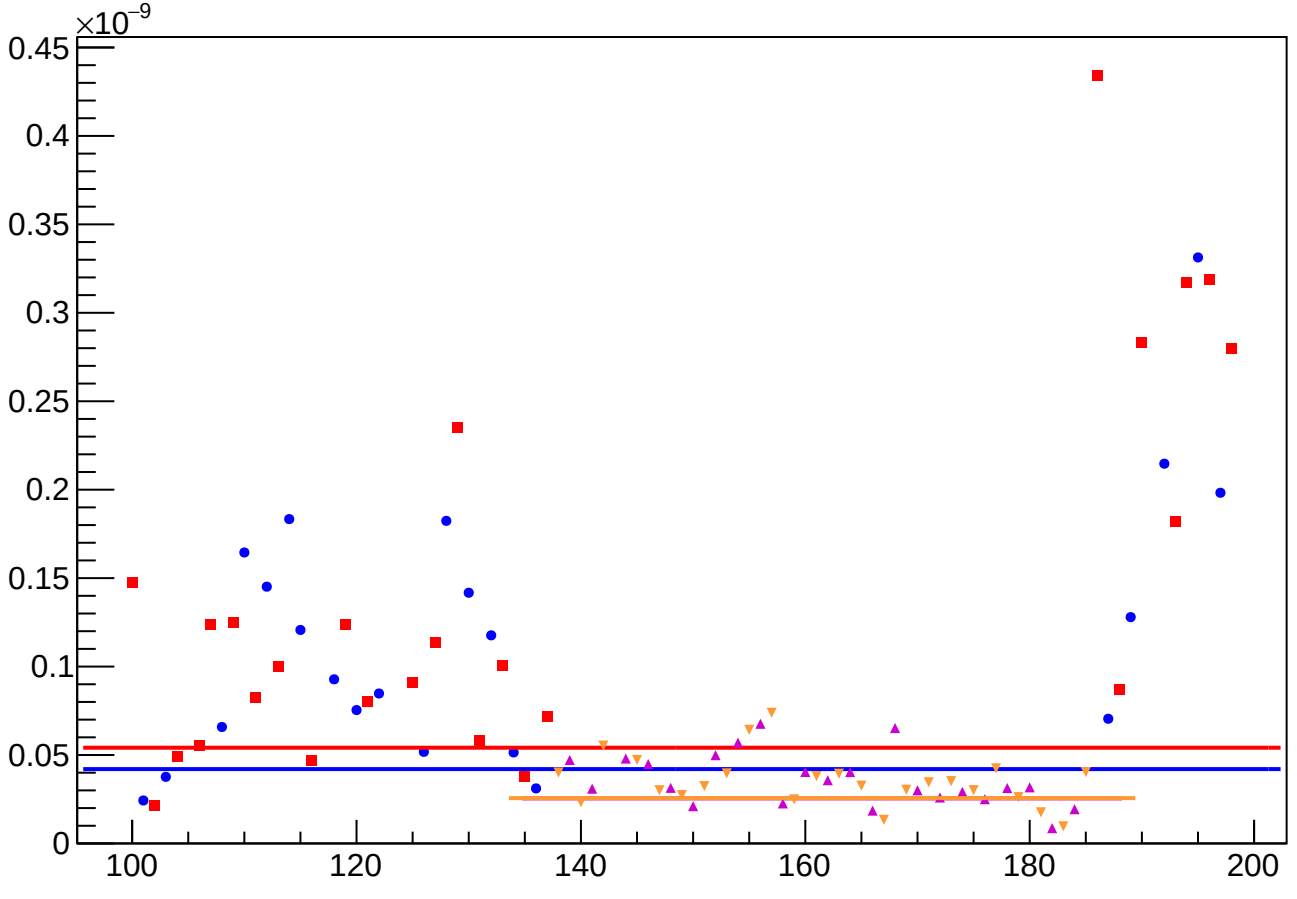
Right: 3191.174+/-0.479 χ^2/NDF: 1215483.6/45

In: 3065.183+/-0.407 χ^2/NDF:1088574.7/43

Out: 3098.555+/-0.399 χ^2/NDF:1040735.5/48

All: 3082.209+/-0.285 χ^2/NDF: 2132736.2/92


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.0/20
Left Out: -0.000+/-0.000 χ²/NDF:24.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 13.9/24
Left In: -0.000+/-0.000 χ²/NDF:23.3/22
Left: -0.000+/-0.000 χ²/NDF: 47.5/46
Right: 0.000+/-0.000 χ²/NDF: 42.3/45
In: -0.000+/-0.000 χ²/NDF:51.2/43
Out: -0.000+/-0.000 χ²/NDF:38.9/48
All: -0.000+/-0.000 χ²/NDF: 90.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 3328351.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4245698.9/24

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5248211.8/46

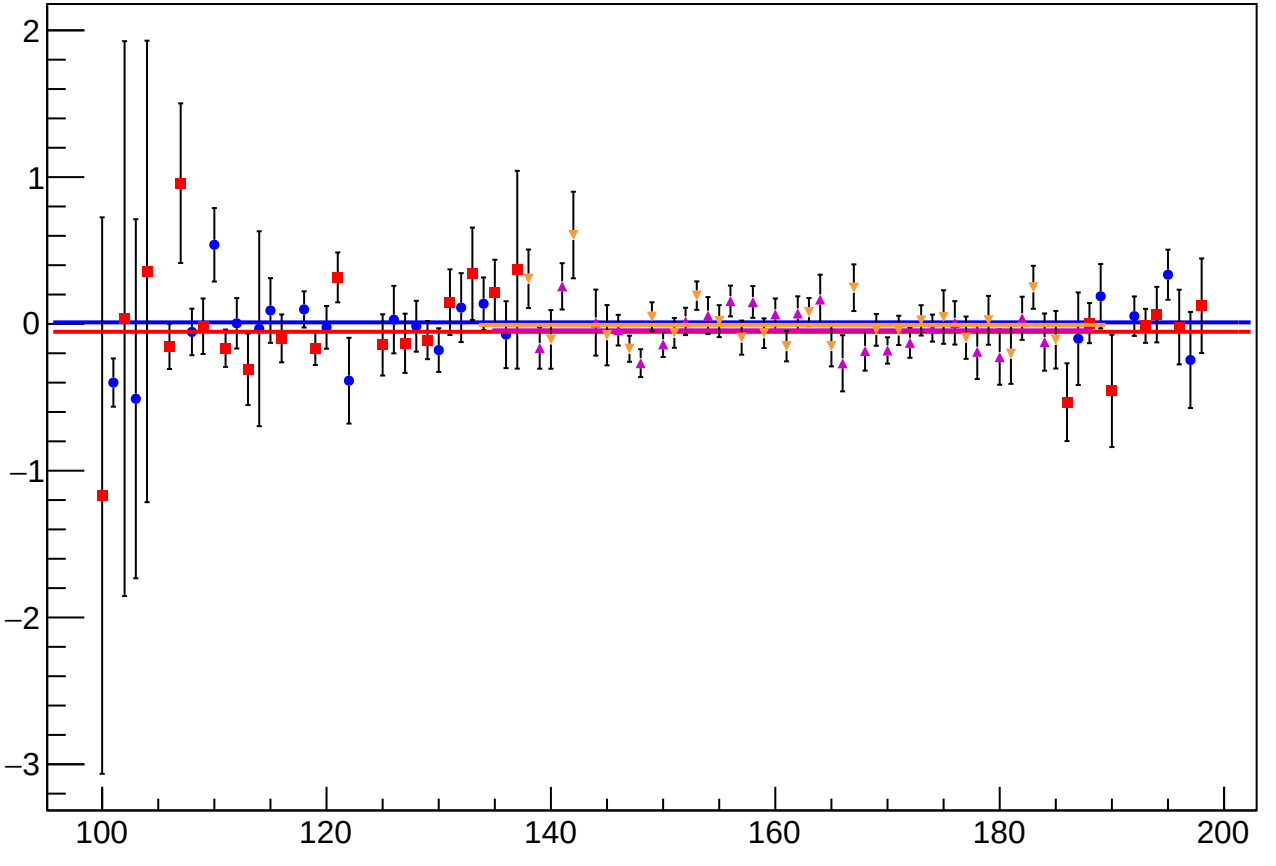
Right: 0.000+/-0.000 χ^2/NDF: 7733953.4/45

In: 0.000+/-0.000 χ^2/NDF:6787411.2/43

Out: 0.000+/-0.000 χ^2/NDF:8003526.5/48

All: 0.000+/-0.000 χ^2/NDF: 14794124.0/92

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.042 χ^2/NDF: 21.2/20

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.054+/-0.039 χ^2/NDF: 22.2/24

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

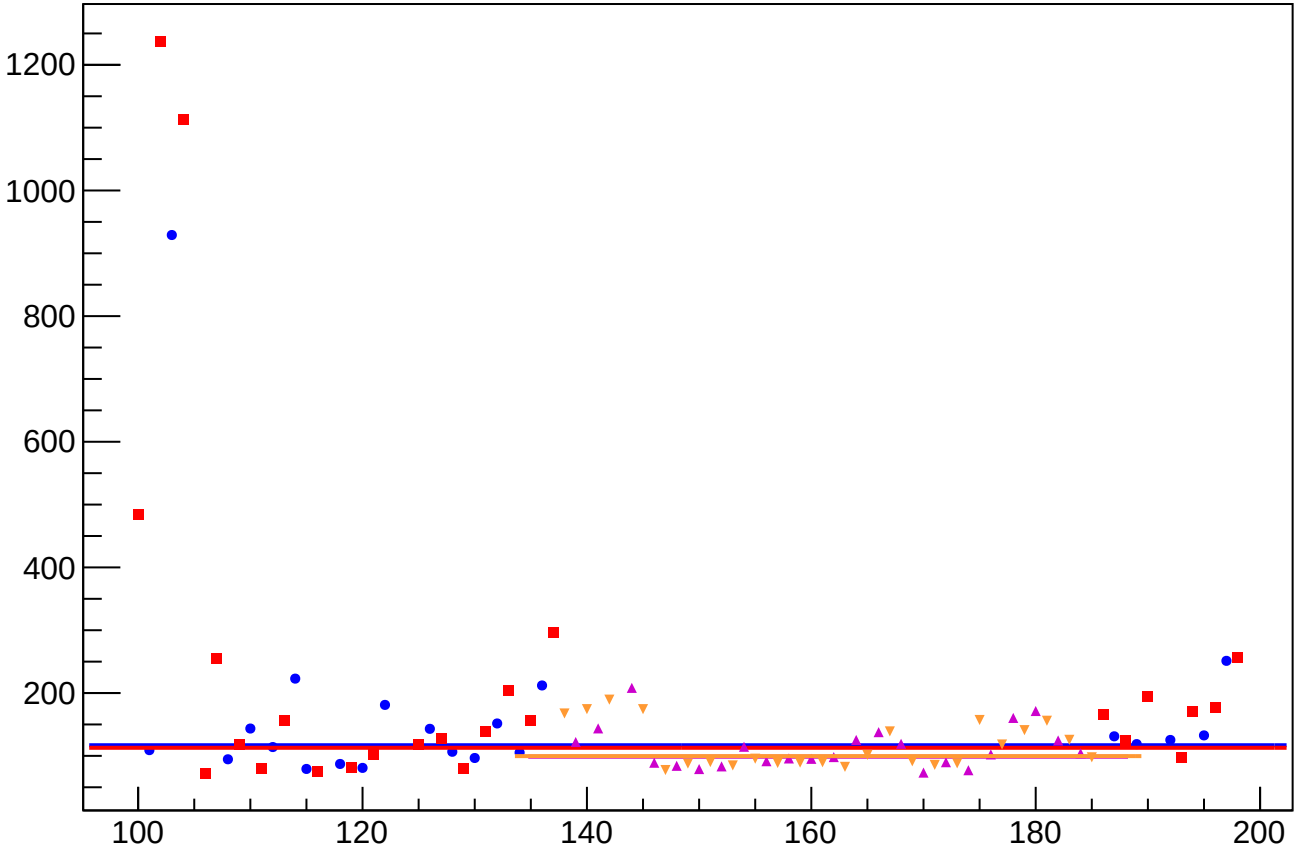
Right: -0.024+/-0.028 χ^2/NDF: 44.7/45

In: -0.029+/-0.022 χ^2/NDF:52.6/43

Out: -0.021+/-0.021 χ^2/NDF:51.0/48

All: -0.025+/-0.015 χ^2/NDF: 103.7/92

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.933+/-0.030 χ^2/NDF: 2231725.6/20

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 112.855+/-0.027 χ^2/NDF: 3856034.0/24

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

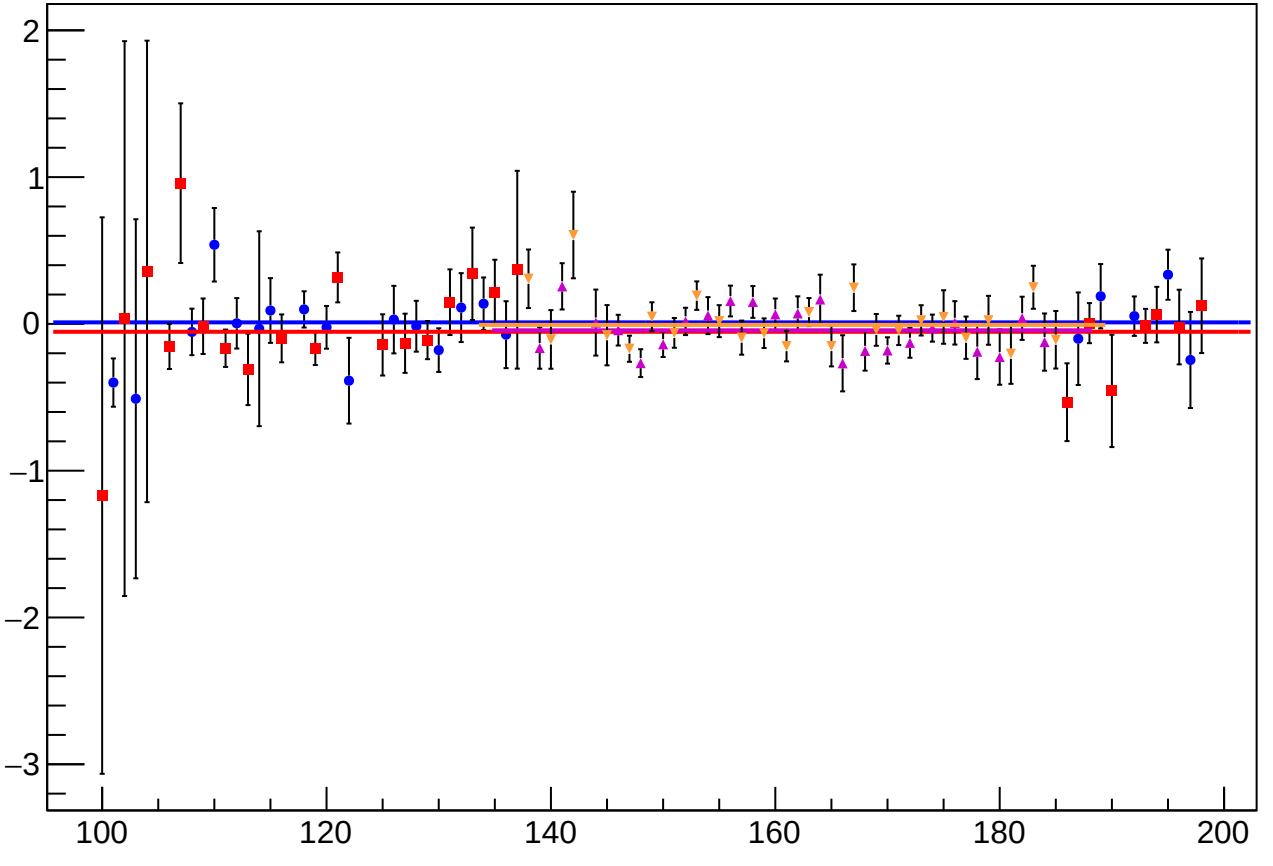
Right: 114.736+/-0.020 χ^2/NDF: 6097984.1/45

In: 103.488+/-0.015 χ^2/NDF:4515381.0/43

Out: 103.563+/-0.015 χ^2/NDF:6091424.8/48

All: 103.526+/-0.011 χ^2/NDF: 10606817.9/92

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.042 χ^2/NDF: 21.2/20

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.054+/-0.039 χ^2/NDF: 22.2/24

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

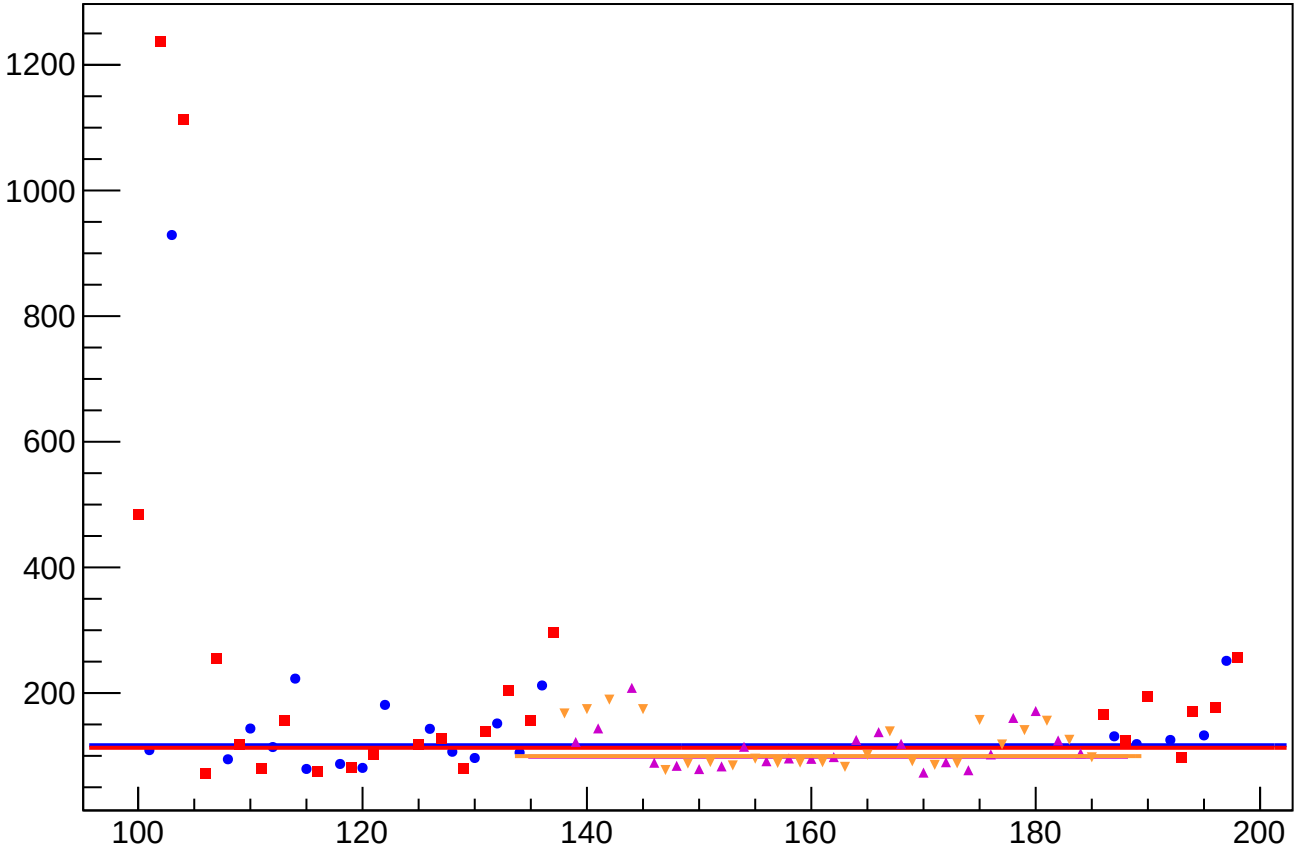
Right: -0.024+/-0.028 χ^2/NDF: 44.7/45

In: -0.029+/-0.022 χ^2/NDF:52.6/43

Out: -0.021+/-0.021 χ^2/NDF:51.0/48

All: -0.025+/-0.015 χ^2/NDF: 103.7/92

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.933+/-0.030 χ^2/NDF: 2231725.6/20

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 112.855+/-0.027 χ^2/NDF: 3856034.0/24

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

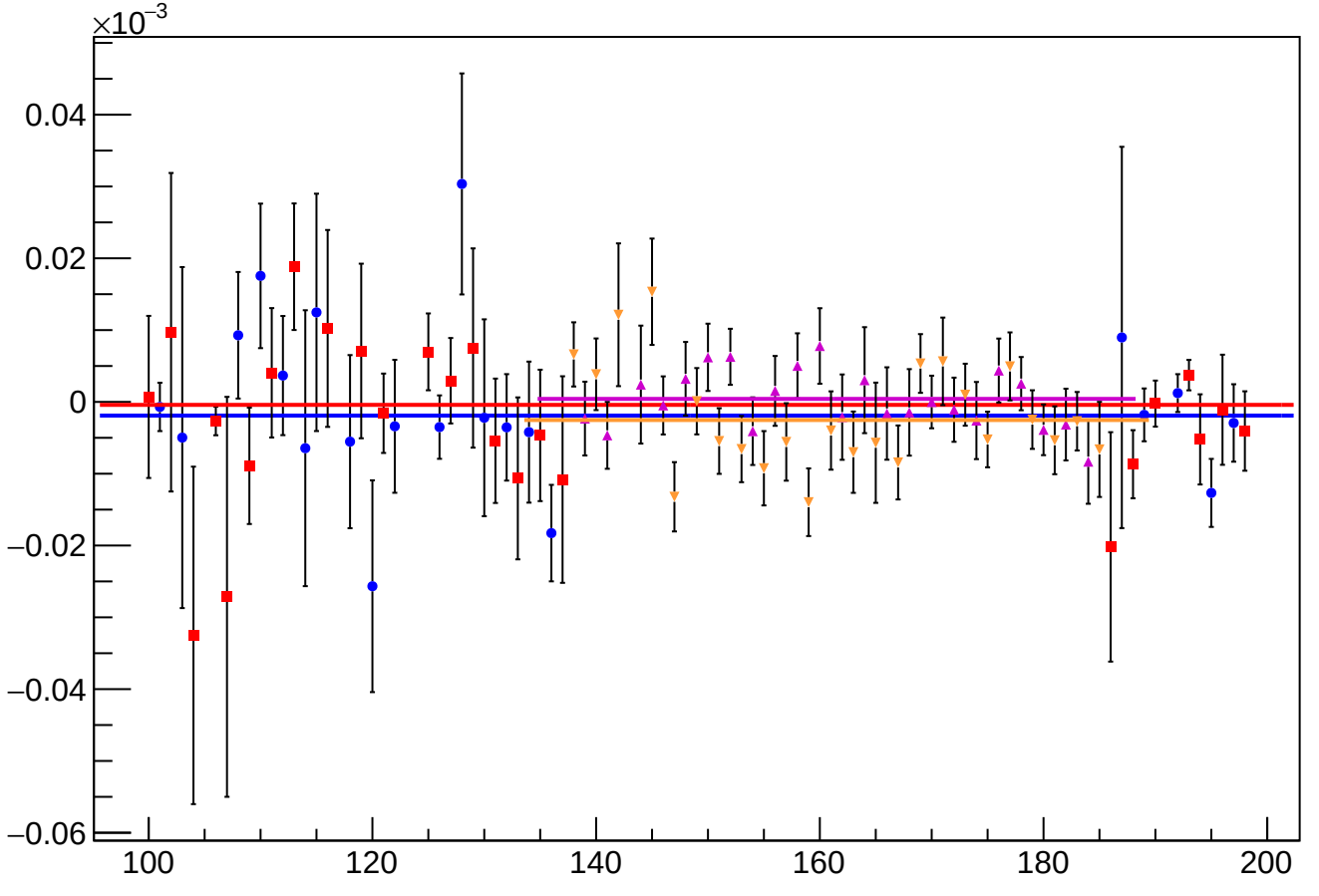
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 114.736+/-0.020 χ^2/NDF: 6097984.1/45

In: 103.488+/-0.015 χ^2/NDF:4515381.0/43

Out: 103.563+/-0.015 χ^2/NDF:6091424.8/48

All: 103.526+/-0.011 χ^2/NDF: 10606817.9/92



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/24

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

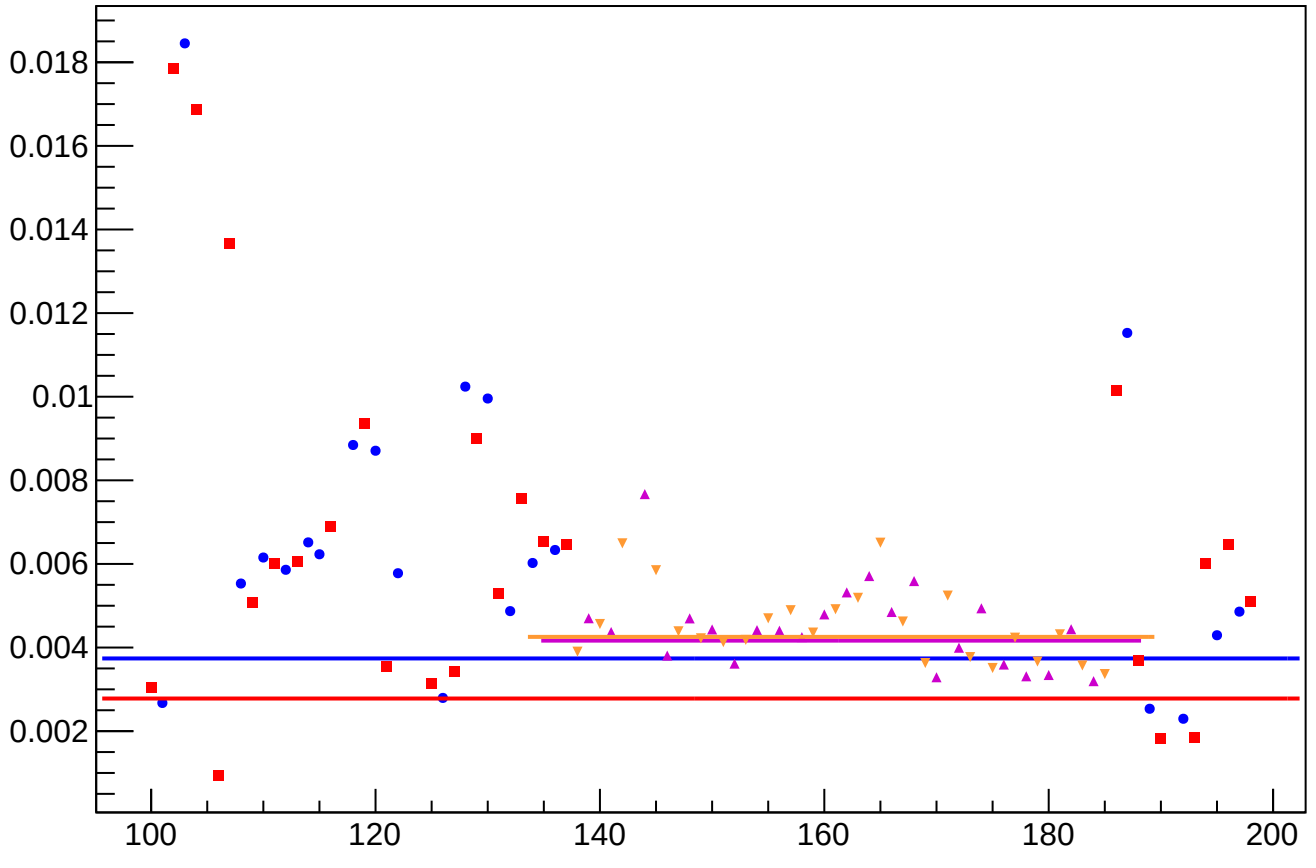
Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

Right: -0.000+/-0.000 χ^2/NDF: 52.9/45

In: -0.000+/-0.000 χ^2/NDF:44.7/43

Out: -0.000+/-0.000 χ^2/NDF:67.5/48

All: -0.000+/-0.000 χ^2/NDF: 113.3/92



Right In: 0.004+/-0.000 χ^2/NDF: 4478641.0/20

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 9002875.3/24

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

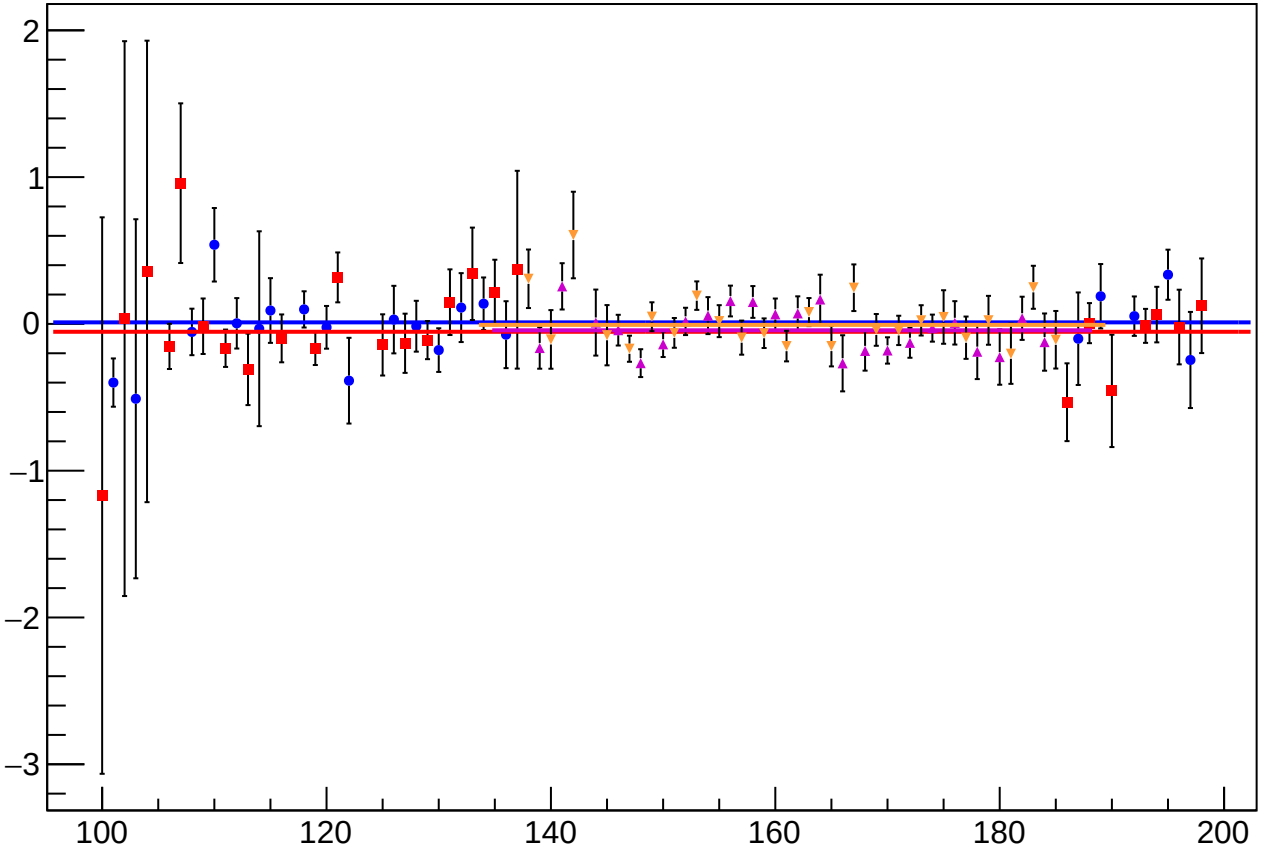
Right: 0.003+/-0.000 χ^2/NDF: 14120738.7/45

In: 0.004+/-0.000 χ^2/NDF:5888211.4/43

Out: 0.004+/-0.000 χ^2/NDF:11874449.5/48

All: 0.004+/-0.000 χ^2/NDF: 18133681.9/92

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.042 χ^2/NDF: 21.2/20

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.054+/-0.039 χ^2/NDF: 22.2/24

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

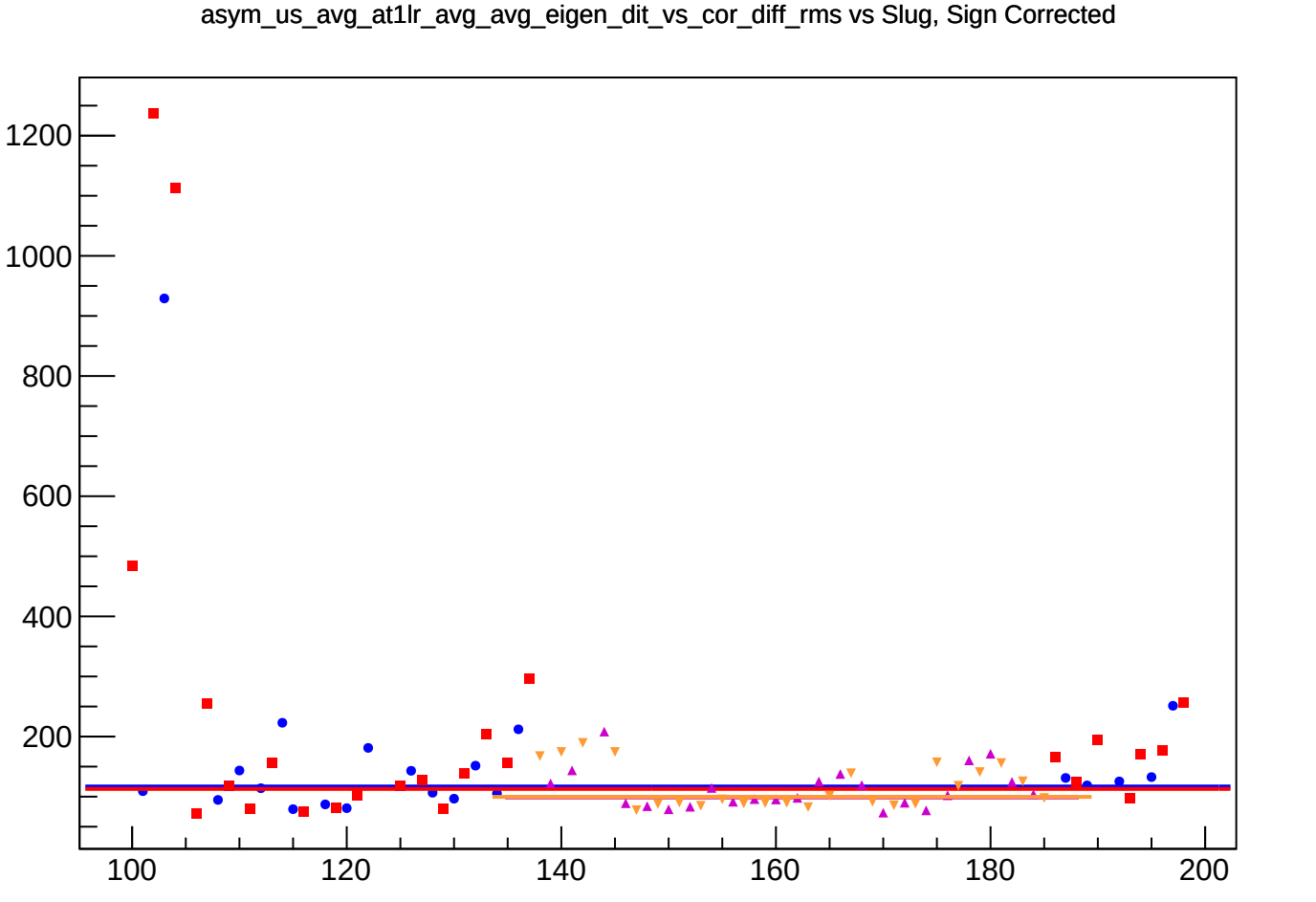
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: -0.024+/-0.028 χ^2/NDF: 44.7/45

In: -0.029+/-0.022 χ^2/NDF:52.6/43

Out: -0.021+/-0.021 χ^2/NDF:51.0/48

All: -0.025+/-0.015 χ^2/NDF: 103.7/92



Right In: 116.930+/-0.030 χ^2/NDF: 2231800.0/20

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 112.854+/-0.027 χ^2/NDF: 3856051.9/24

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

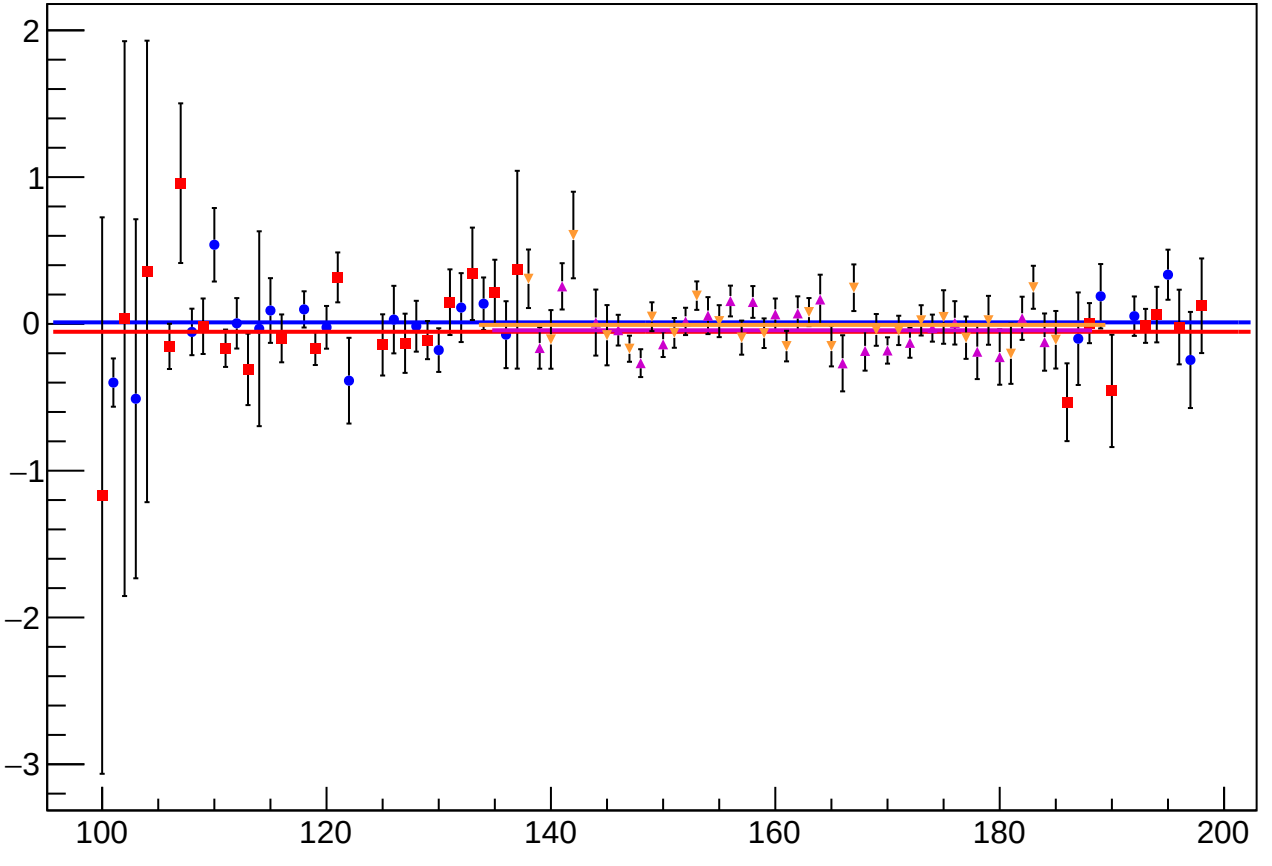
Right: 114.734+/-0.020 χ^2/NDF: 6098071.7/45

In: 103.488+/-0.015 χ^2/NDF:4515349.0/43

Out: 103.563+/-0.015 χ^2/NDF:6091362.7/48

All: 103.526+/-0.011 χ^2/NDF: 10606723.9/92

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.042 χ^2/NDF: 21.2/20

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.054+/-0.039 χ^2/NDF: 22.2/24

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

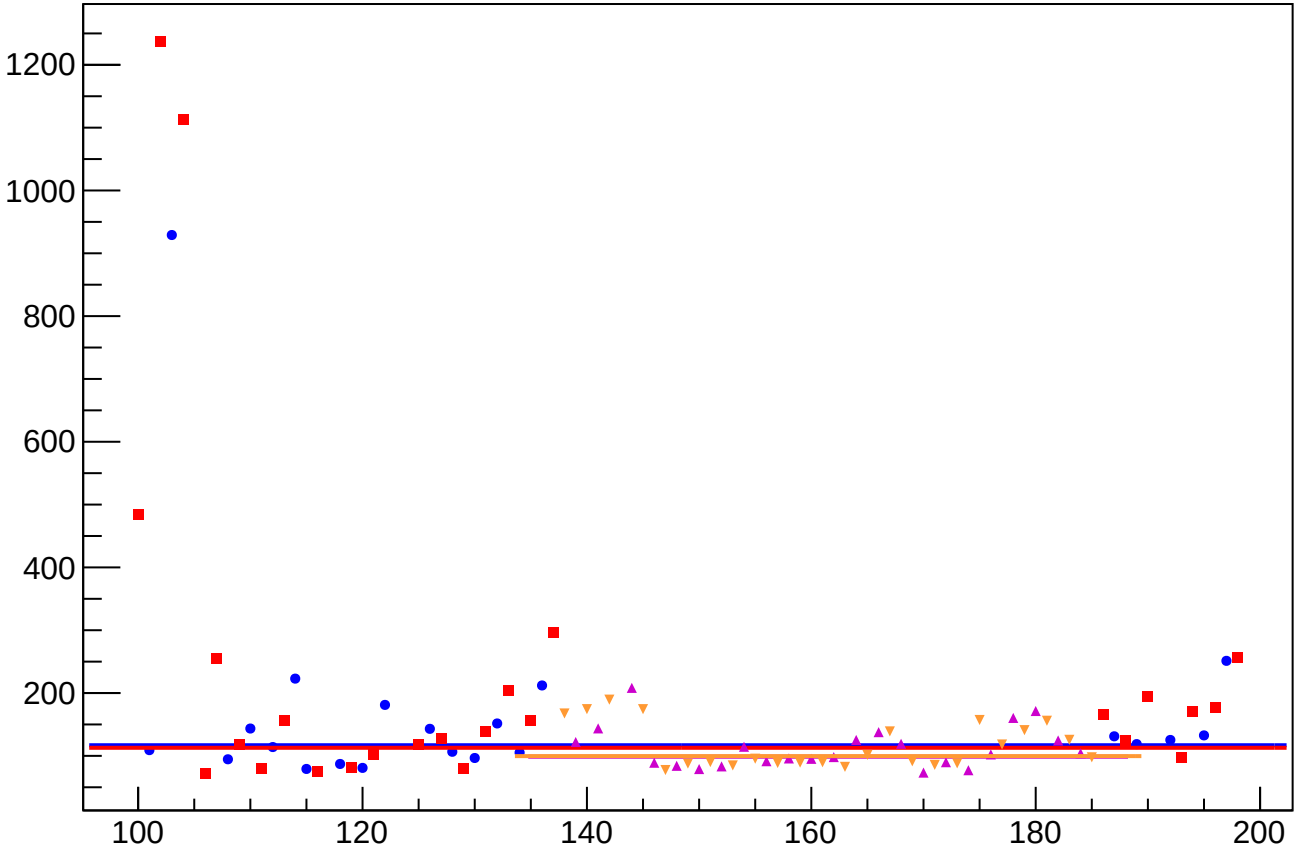
Right: -0.024+/-0.028 χ^2/NDF: 44.7/45

In: -0.029+/-0.022 χ^2/NDF:52.6/43

Out: -0.021+/-0.021 χ^2/NDF:51.0/48

All: -0.025+/-0.015 χ^2/NDF: 103.7/92

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.930+/-0.030 χ^2/NDF: 2231800.0/20

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 112.854+/-0.027 χ^2/NDF: 3856051.9/24

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

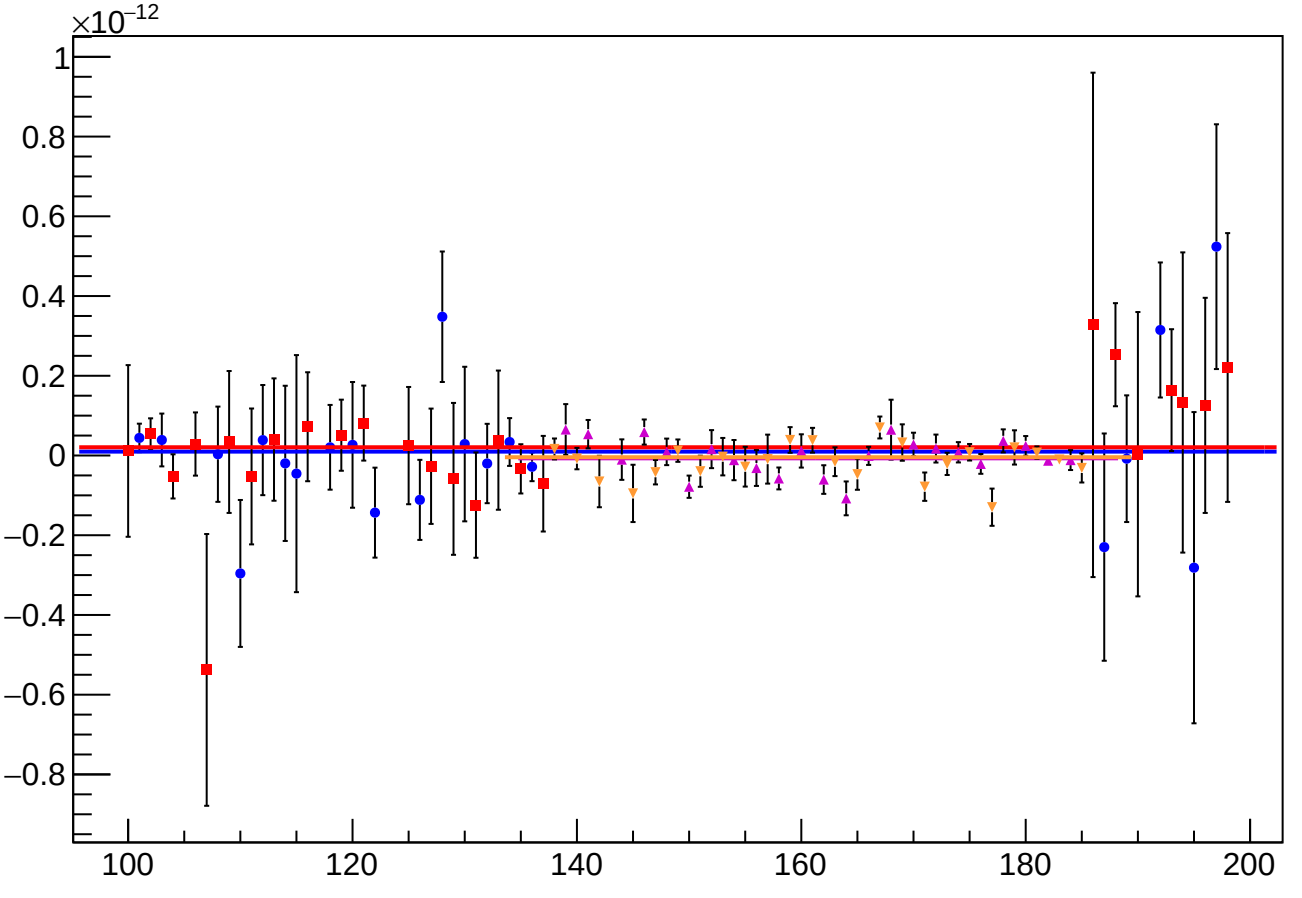
Right: 114.734+/-0.020 χ^2/NDF: 6098071.7/45

In: 103.488+/-0.015 χ^2/NDF:4515349.0/43

Out: 103.563+/-0.015 χ^2/NDF:6091362.7/48

All: 103.526+/-0.011 χ^2/NDF: 10606723.9/92

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: 20.3/20

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/24

Left In: -0.000+/-0.000 χ^2/NDF:35.2/22

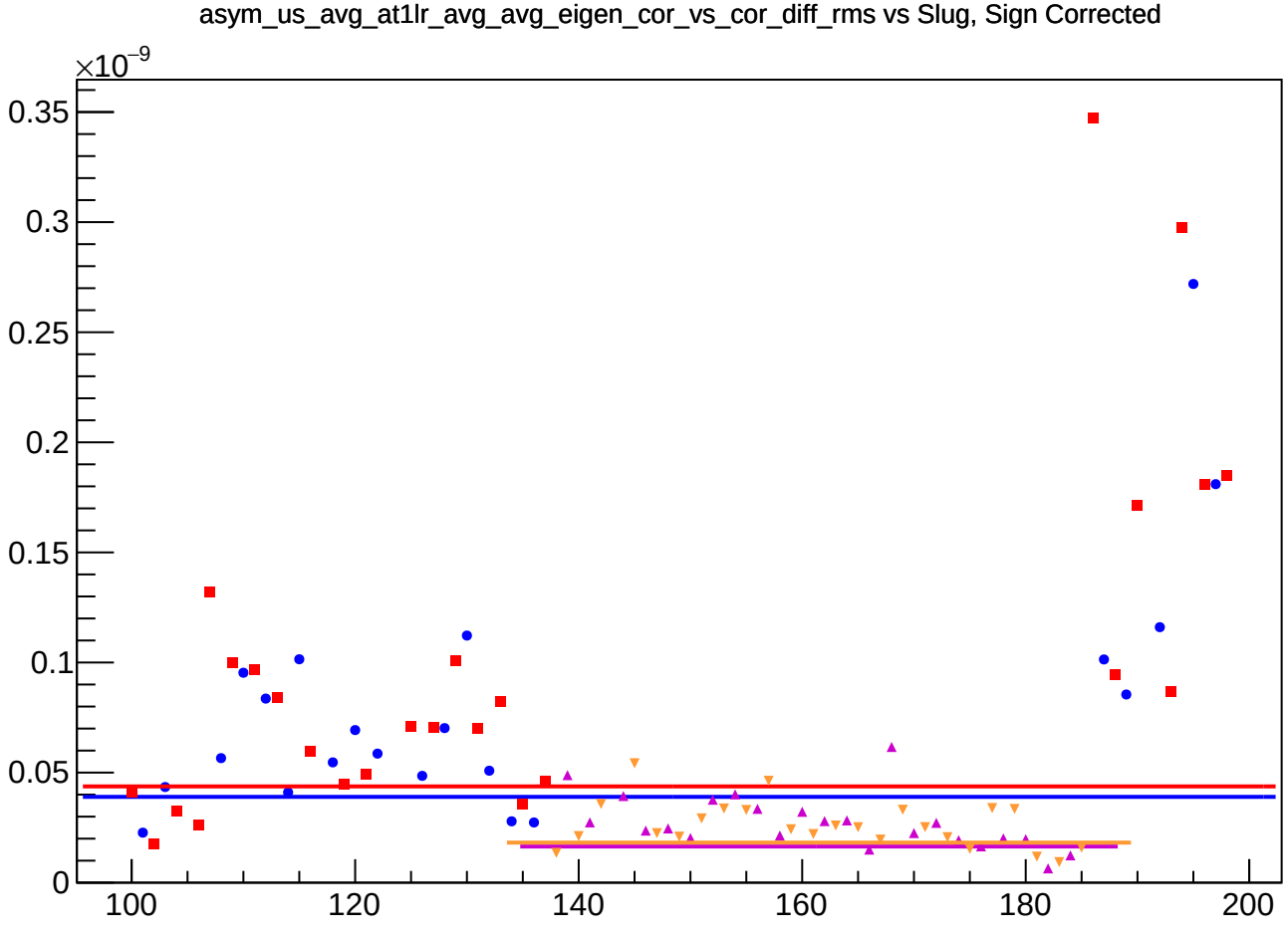
Left: -0.000+/-0.000 χ^2/NDF: 68.3/46

Right: 0.000+/-0.000 χ^2/NDF: 34.3/45

In: -0.000+/-0.000 χ^2/NDF:56.2/43

Out: -0.000+/-0.000 χ^2/NDF:48.2/48

All: -0.000+/-0.000 χ^2/NDF: 104.6/92



Right In: 0.000+/-0.000 χ^2/NDF: 3631306.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5282332.5/24

Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

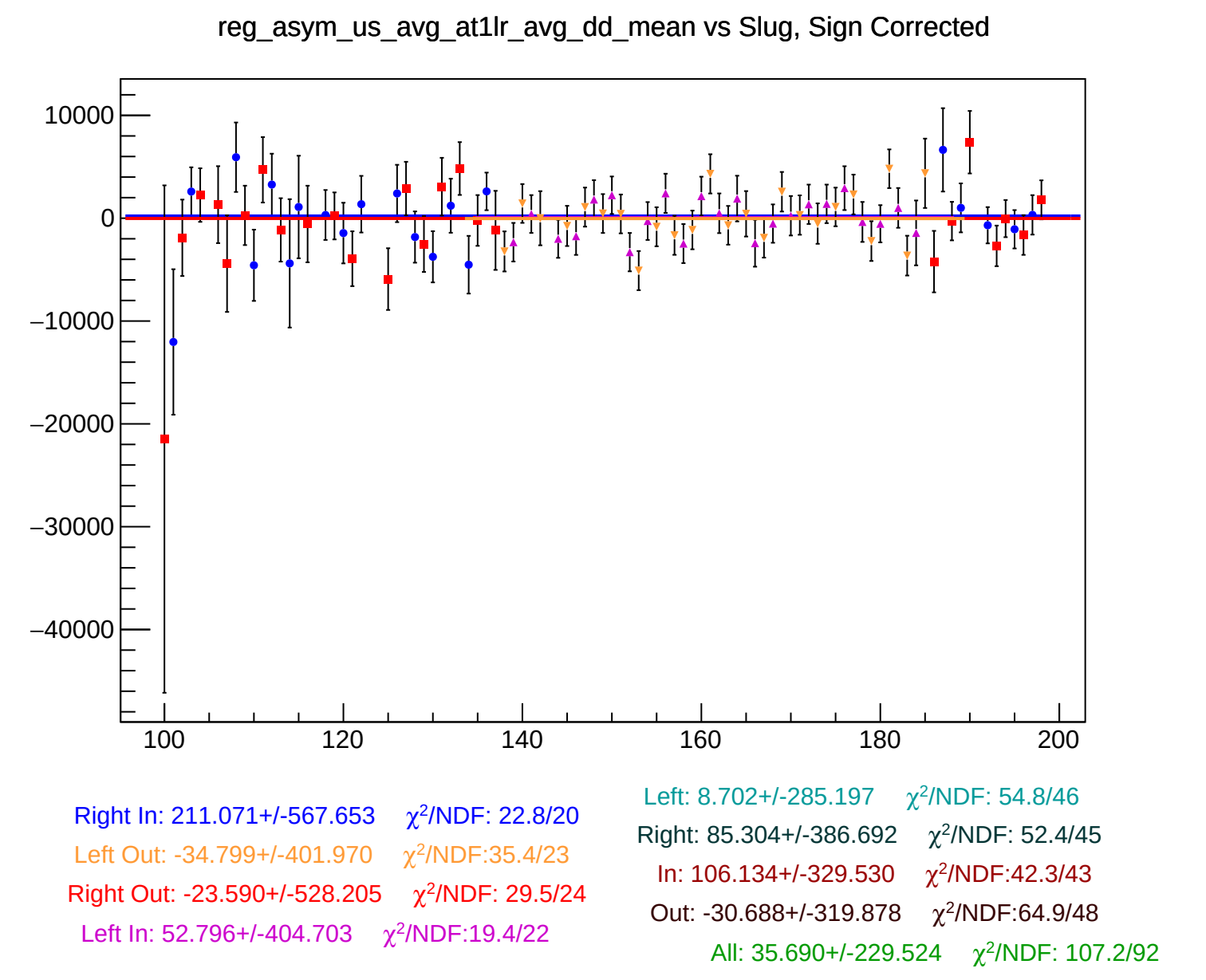
Left: 0.000+/-0.000 χ^2/NDF: 11414627.4/46

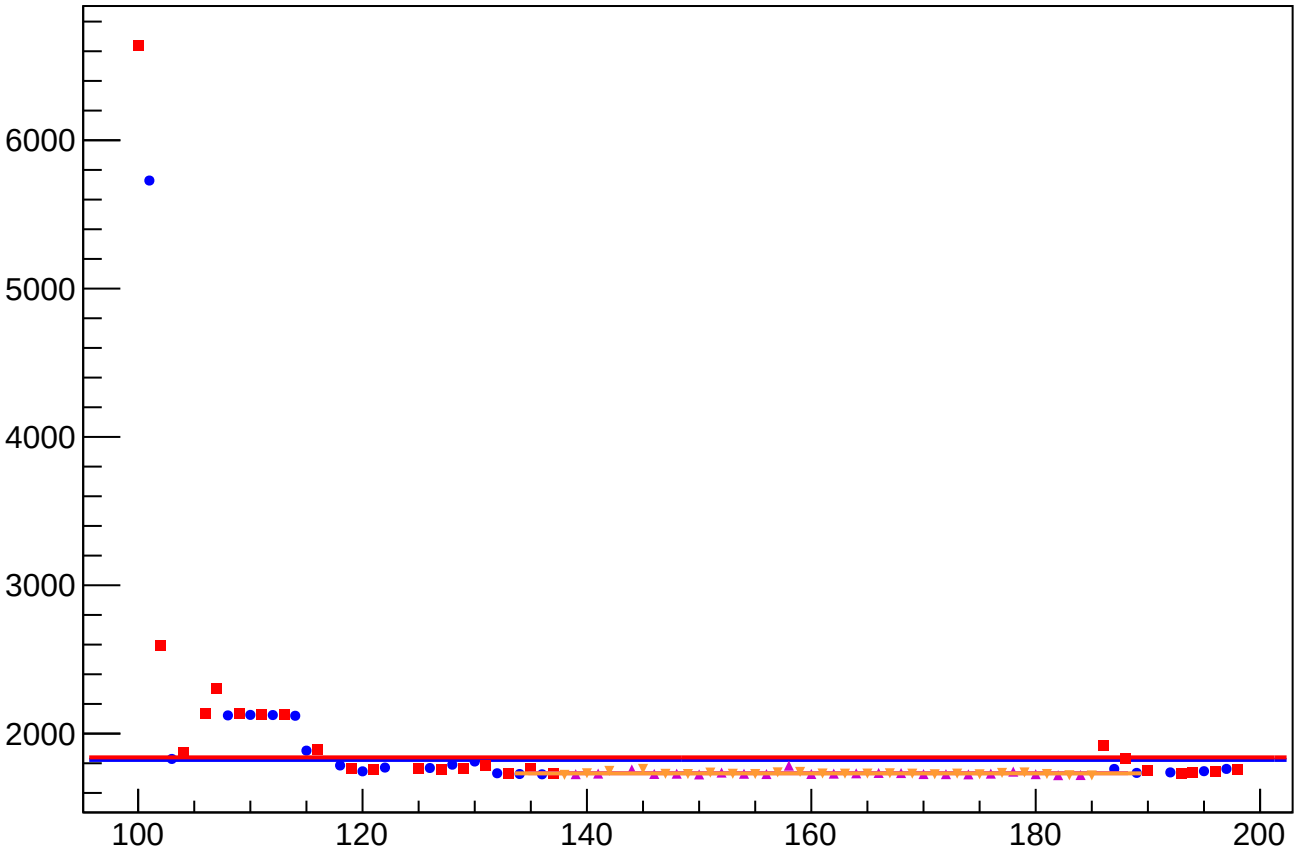
Right: 0.000+/-0.000 χ^2/NDF: 8970562.9/45

In: 0.000+/-0.000 χ^2/NDF:13288856.9/43

Out: 0.000+/-0.000 χ^2/NDF:12352268.0/48

All: 0.000+/-0.000 χ^2/NDF: 25760973.9/92


reg_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 211.071+/-567.653 χ²/NDF: 22.8/20
Left Out: -34.799+/-401.970 χ²/NDF:35.4/23
Right Out: -23.590+/-528.205 χ²/NDF: 29.5/24
Left In: 52.796+/-404.703 χ²/NDF:19.4/22
Left: 8.702+/-285.197 χ²/NDF: 54.8/46
Right: 85.304+/-386.692 χ²/NDF: 52.4/45
In: 106.134+/-329.530 χ²/NDF:42.3/43
Out: -30.688+/-319.878 χ²/NDF:64.9/48
All: 35.690+/-229.524 χ²/NDF: 107.2/92



Right In: 1822.601+/-0.401 χ^2/NDF: 692946.0/20

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1839.798+/-0.373 χ^2/NDF: 287330.1/24

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

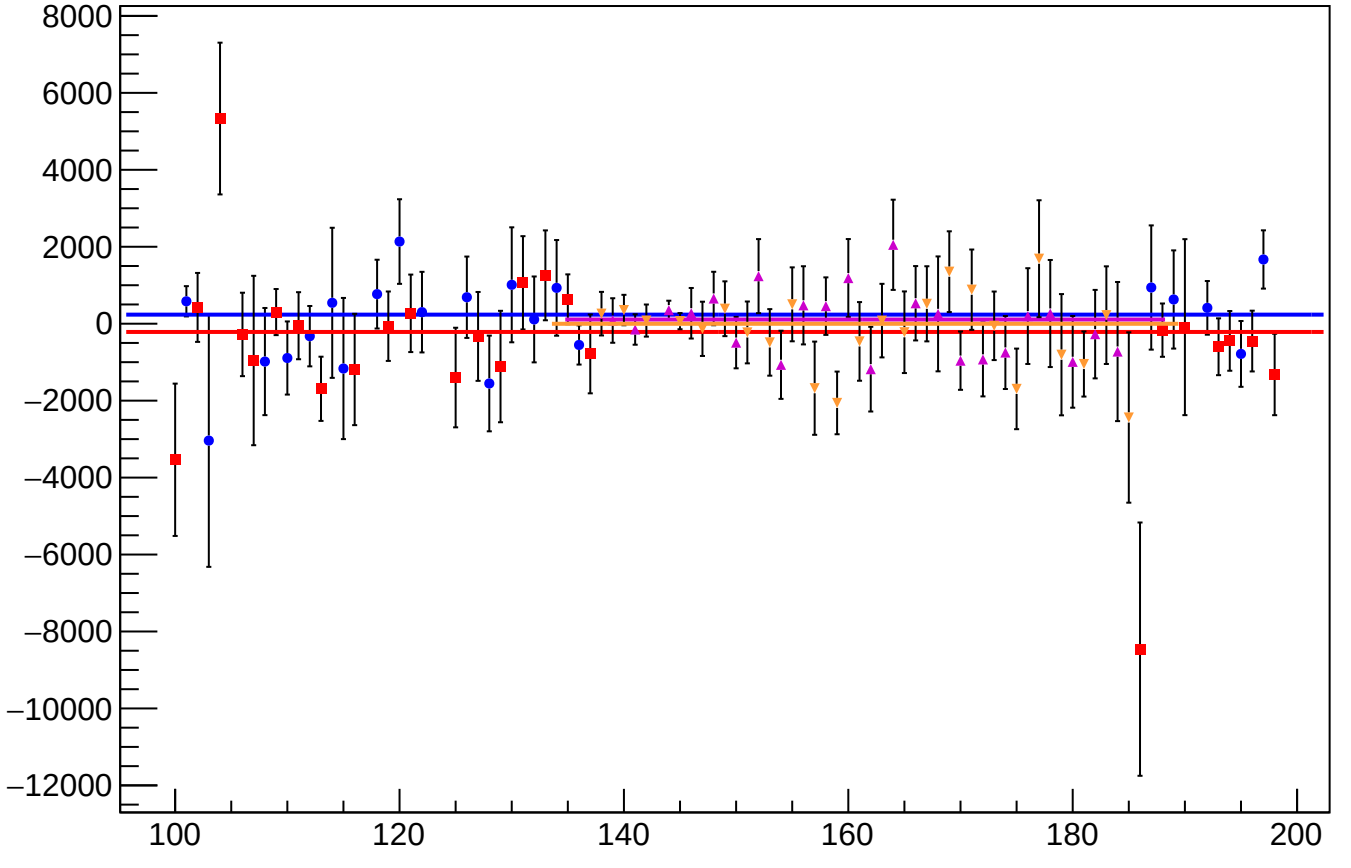
Right: 1831.818+/-0.273 χ^2/NDF: 981259.9/45

In: 1763.404+/-0.233 χ^2/NDF:727981.5/43

Out: 1771.525+/-0.226 χ^2/NDF:341032.6/48

All: 1767.585+/-0.162 χ^2/NDF: 1069639.5/92

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 235.641+/-193.146 χ^2/NDF: 19.0/20

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: -214.421+/-196.216 χ^2/NDF: 29.8/24

Left In: 108.386+/-143.315 χ^2/NDF:17.0/22

Left: 47.628+/-96.309 χ^2/NDF: 37.6/46

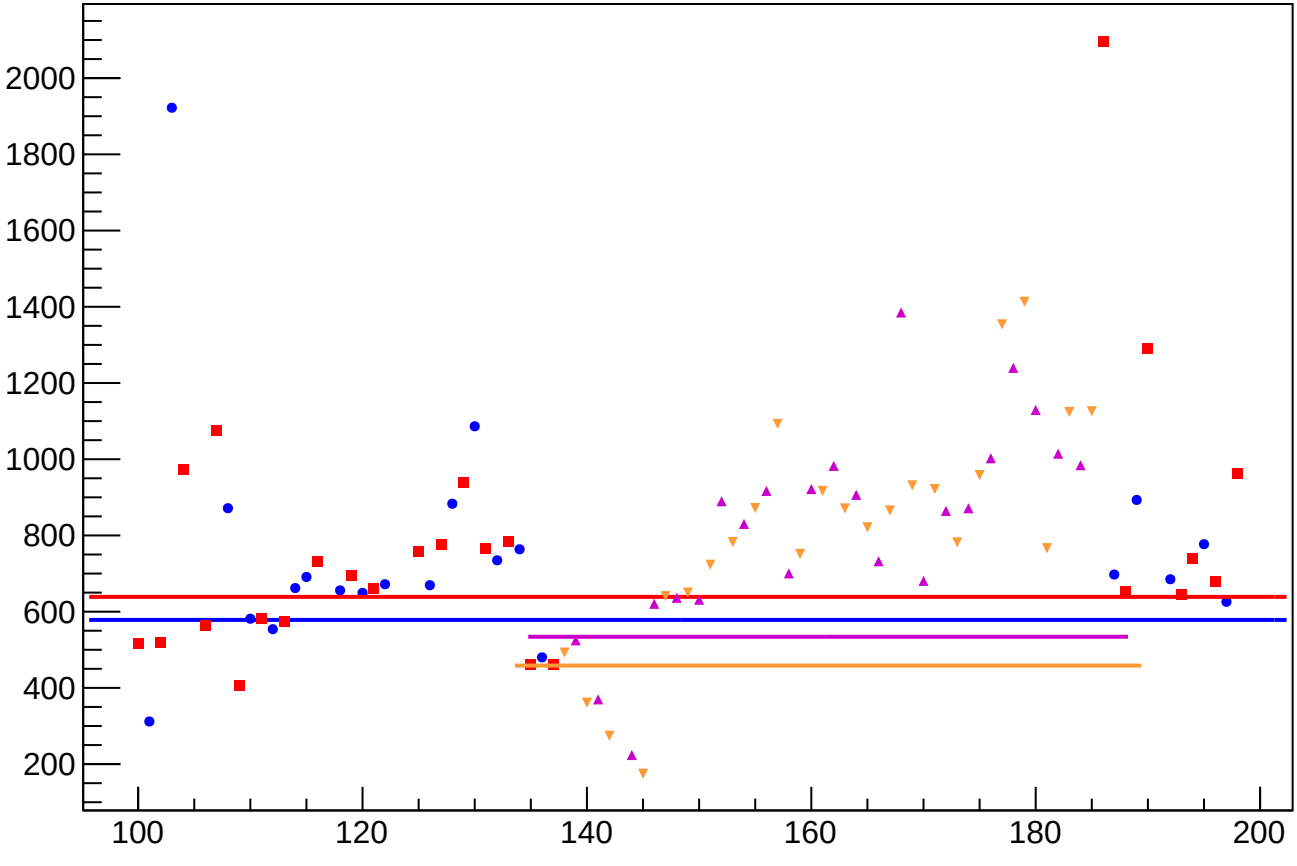
Right: 14.158+/-137.648 χ^2/NDF: 51.4/45

In: 153.571+/-115.092 χ^2/NDF:36.3/43

Out: -67.116+/-108.403 χ^2/NDF:50.8/48

All: 36.628+/-78.911 χ^2/NDF: 89.1/92

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 578.382+/-0.137 χ^2/NDF: 2213710.4/20

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 638.841+/-0.139 χ^2/NDF: 1702227.7/24

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

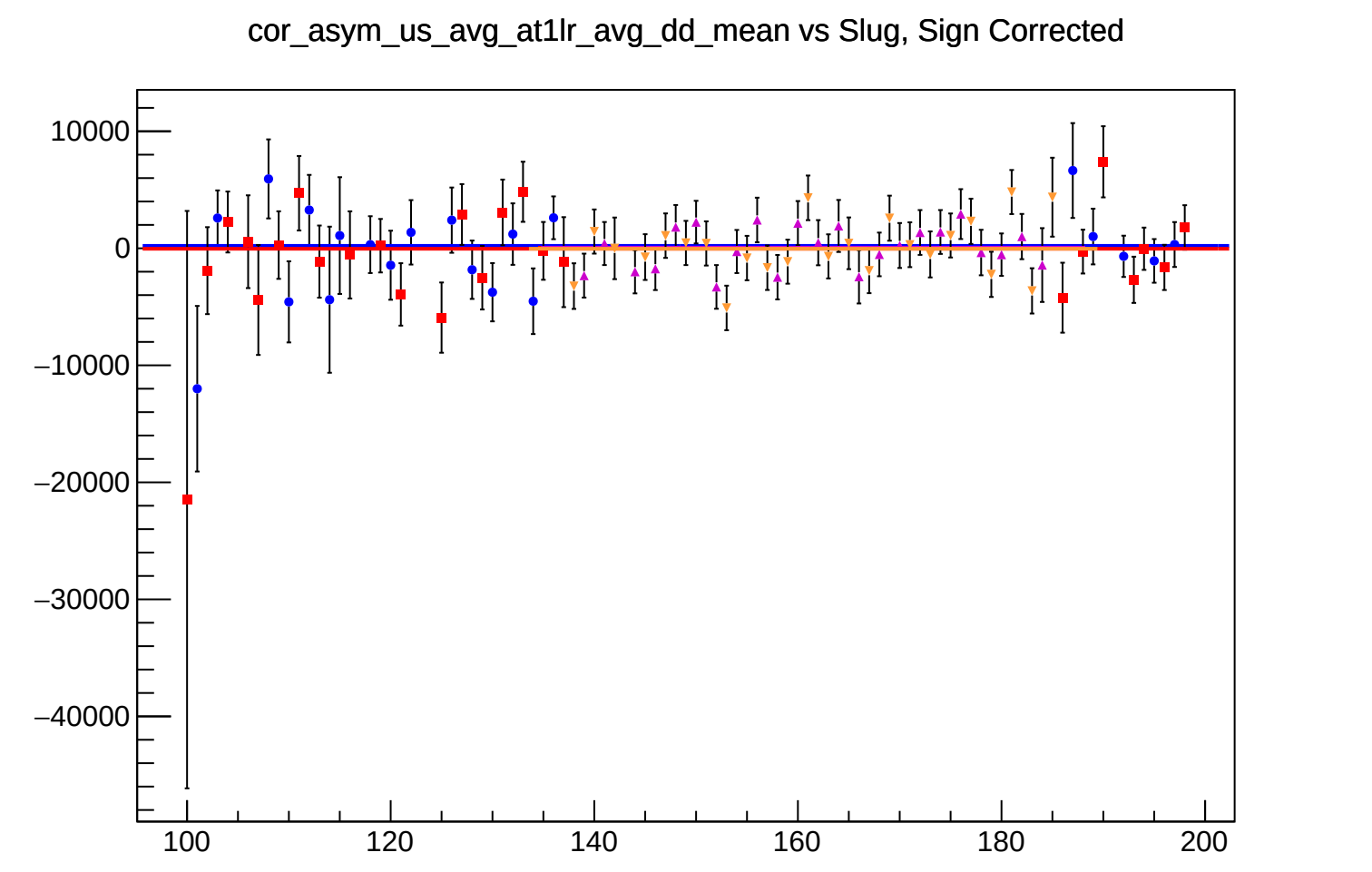
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

Right: 608.135+/-0.097 χ^2/NDF: 4012374.6/45

In: 549.862+/-0.081 χ^2/NDF:10724616.2/43

Out: 513.598+/-0.077 χ^2/NDF:14301735.5/48

All: 530.646+/-0.056 χ^2/NDF: 25131571.2/92



Right In: 211.132+/-567.653 χ^2/NDF: 22.8/20

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -40.049+/-528.779 χ^2/NDF: 29.4/24

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

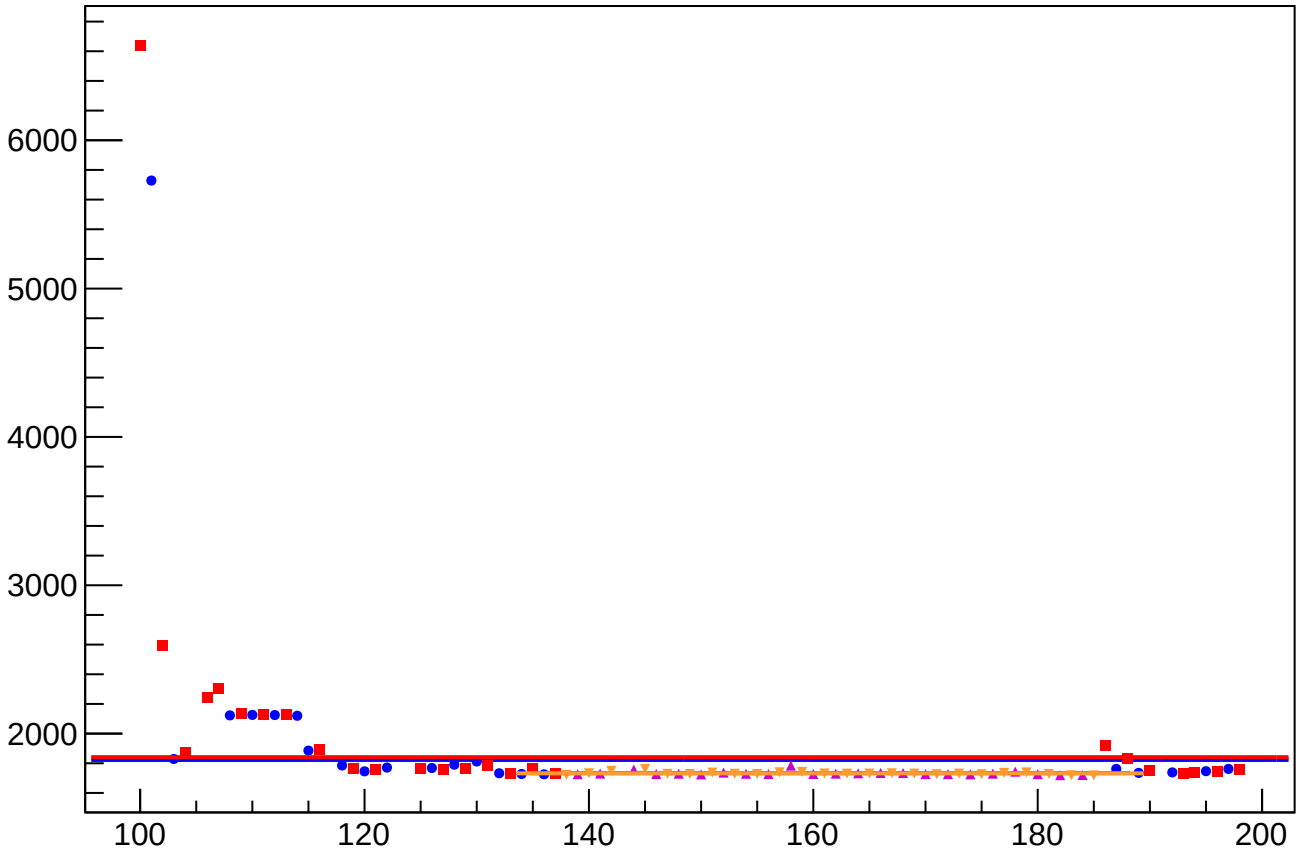
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 76.647+/-386.917 χ^2/NDF: 52.3/45

In: 106.100+/-329.530 χ^2/NDF:42.2/43

Out: -36.686+/-320.005 χ^2/NDF:64.8/48

All: 32.614+/-229.571 χ^2/NDF: 107.1/92



Right In: 1822.600+/-0.401 χ^2/NDF: 692945.9/20

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1841.023+/-0.374 χ^2/NDF: 295290.6/24

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

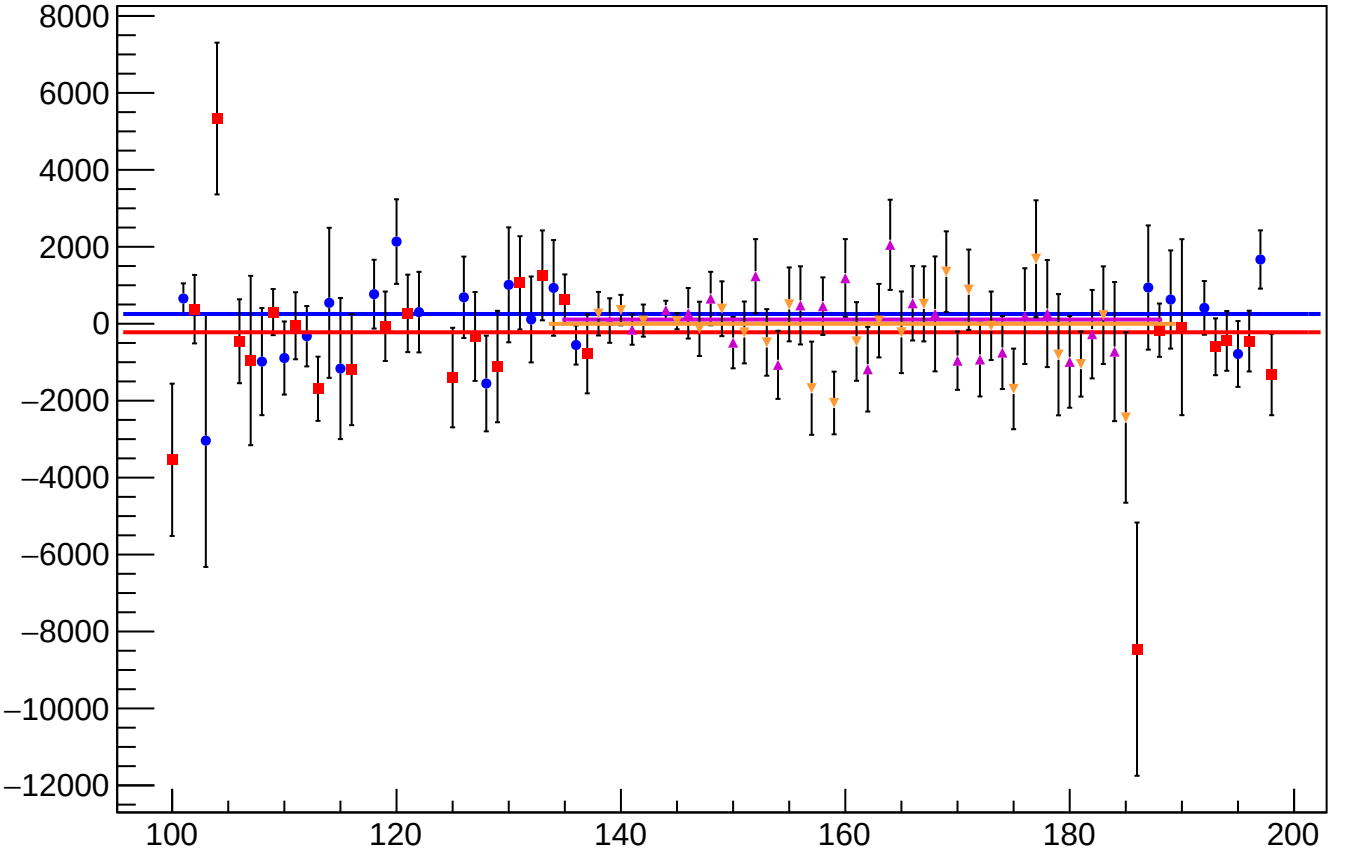
Right: 1832.464+/-0.274 χ^2/NDF: 989364.3/45

In: 1763.404+/-0.233 χ^2/NDF:727981.3/43

Out: 1771.919+/-0.226 χ^2/NDF:350124.3/48

All: 1767.786+/-0.162 χ^2/NDF: 1078792.9/92

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 253.549+/-193.095 χ^2/NDF: 19.4/20

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -221.804+/-196.185 χ^2/NDF: 29.7/24

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

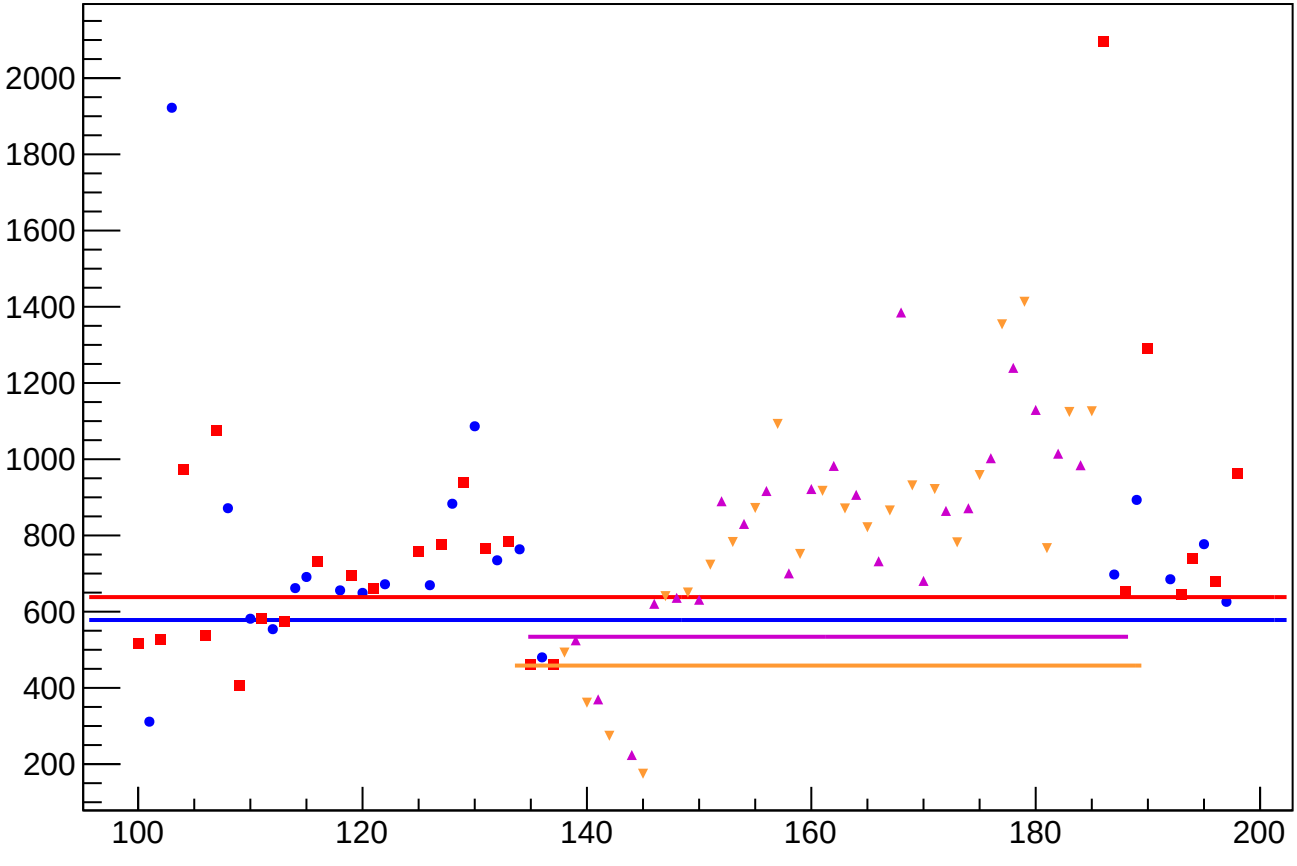
Right: 19.645+/-137.619 χ^2/NDF: 52.1/45

In: 159.929+/-115.082 χ^2/NDF:36.7/43

Out: -69.472+/-108.399 χ^2/NDF:50.9/48

All: 38.375+/-78.906 χ^2/NDF: 89.7/92

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 578.122+/-0.137 χ^2/NDF: 2219153.6/20

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 638.243+/-0.139 χ^2/NDF: 1706536.7/24

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

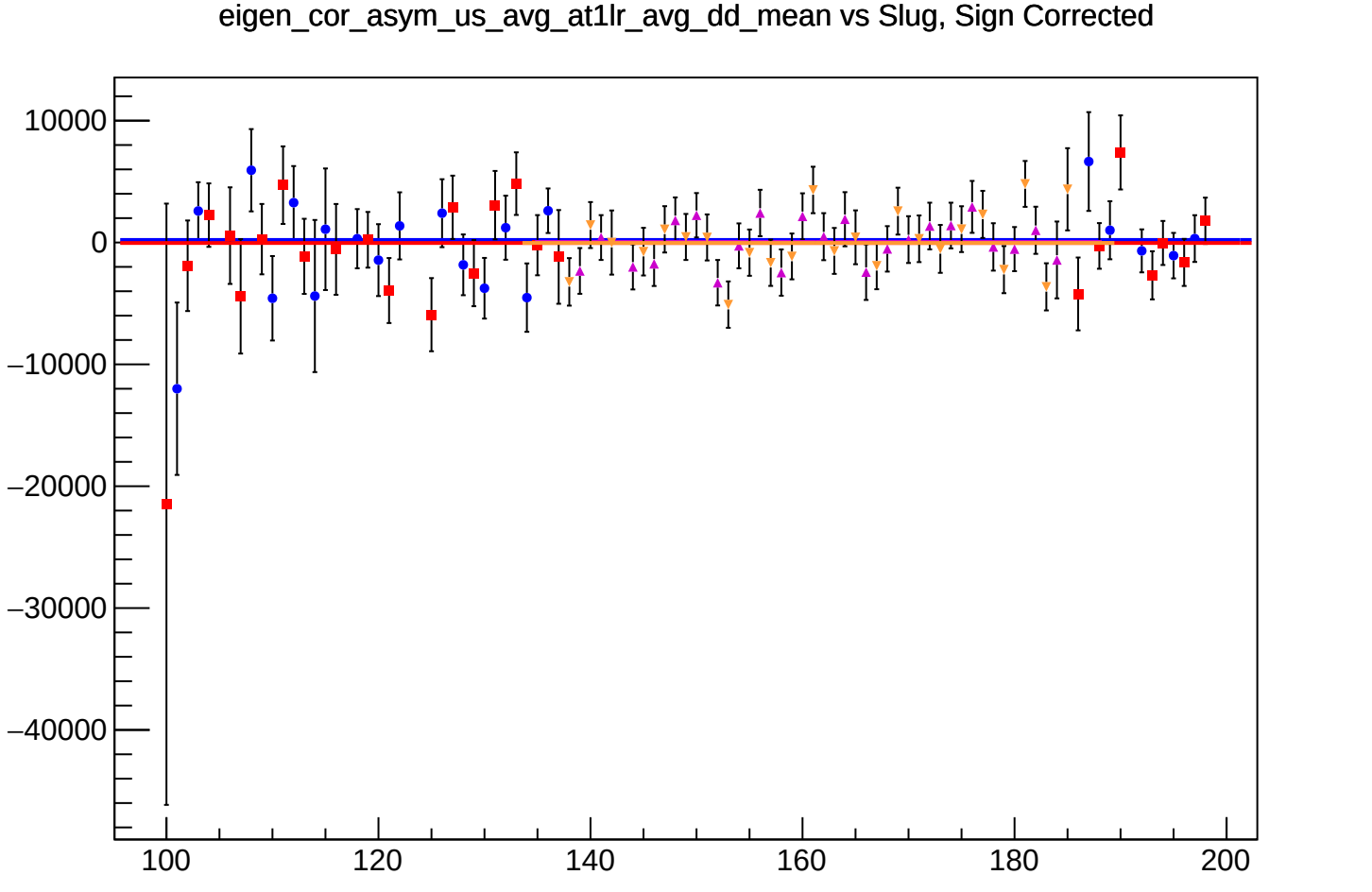
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 607.705+/-0.097 χ^2/NDF: 4021092.4/45

In: 549.780+/-0.081 χ^2/NDF:10728784.0/43

Out: 513.436+/-0.077 χ^2/NDF:14297973.4/48

All: 530.522+/-0.056 χ^2/NDF: 25132456.7/92



Right In: 211.132+/-567.653 χ^2/NDF: 22.8/20

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -40.049+/-528.779 χ^2/NDF: 29.4/24

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

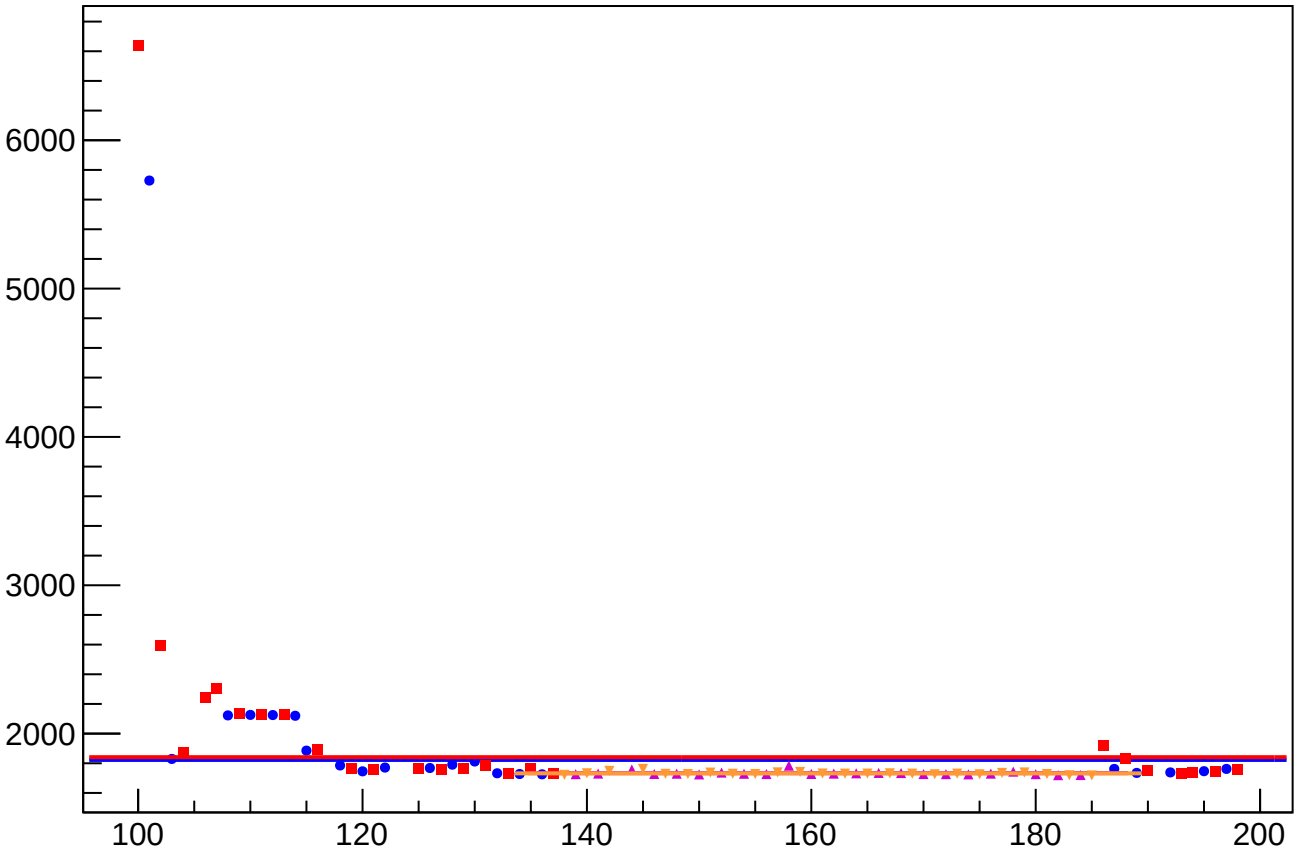
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 76.647+/-386.917 χ^2/NDF: 52.3/45

In: 106.100+/-329.530 χ^2/NDF:42.2/43

Out: -36.686+/-320.005 χ^2/NDF:64.8/48

All: 32.614+/-229.571 χ^2/NDF: 107.1/92



Right In: 1822.600+/-0.401 χ^2/NDF: 692945.9/20

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1841.023+/-0.374 χ^2/NDF: 295290.6/24

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

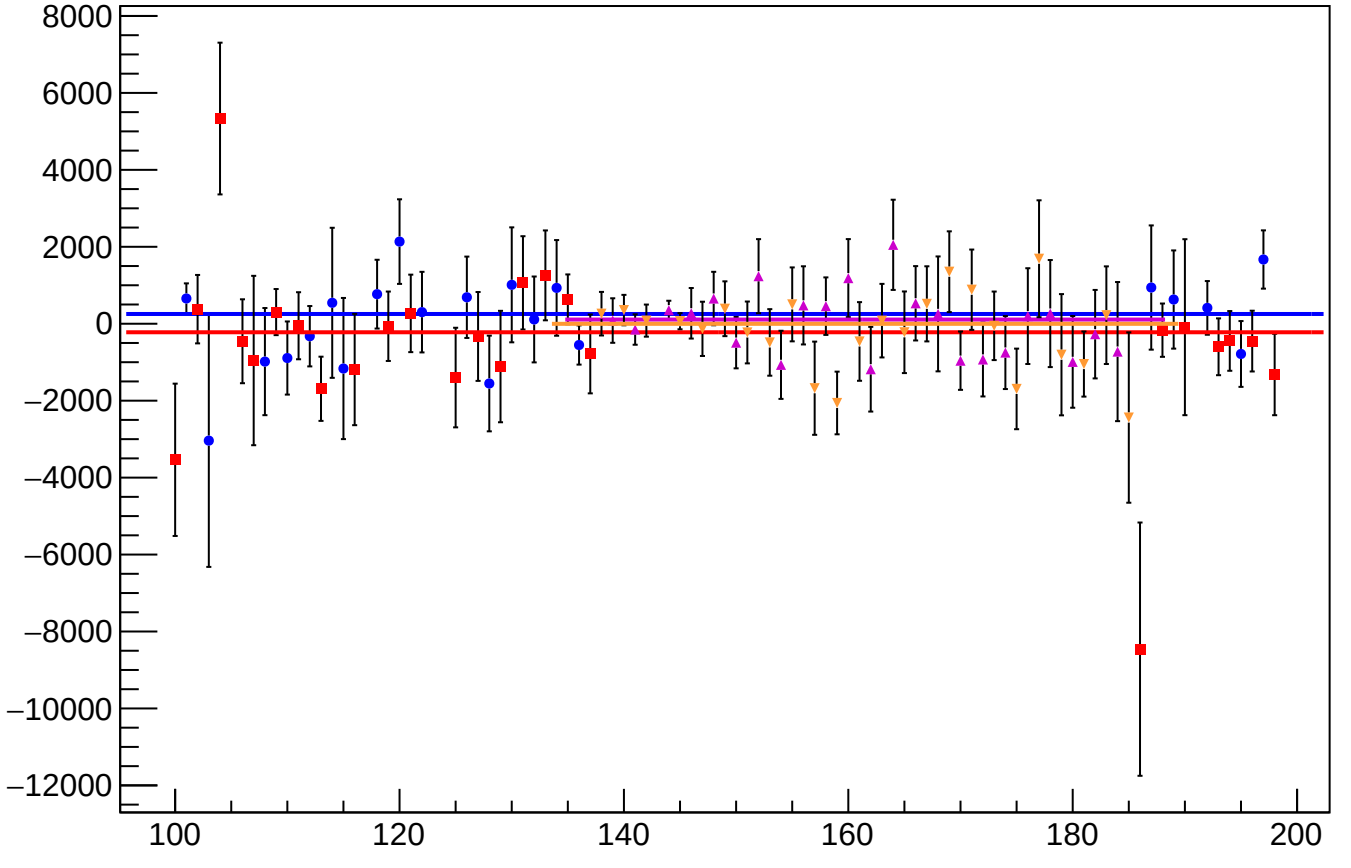
Right: 1832.464+/-0.274 χ^2/NDF: 989364.3/45

In: 1763.404+/-0.233 χ^2/NDF:727981.3/43

Out: 1771.919+/-0.226 χ^2/NDF:350124.3/48

All: 1767.786+/-0.162 χ^2/NDF: 1078792.9/92

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 253.549+/-193.095 χ^2/NDF: 19.4/20

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -221.804+/-196.185 χ^2/NDF: 29.7/24

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

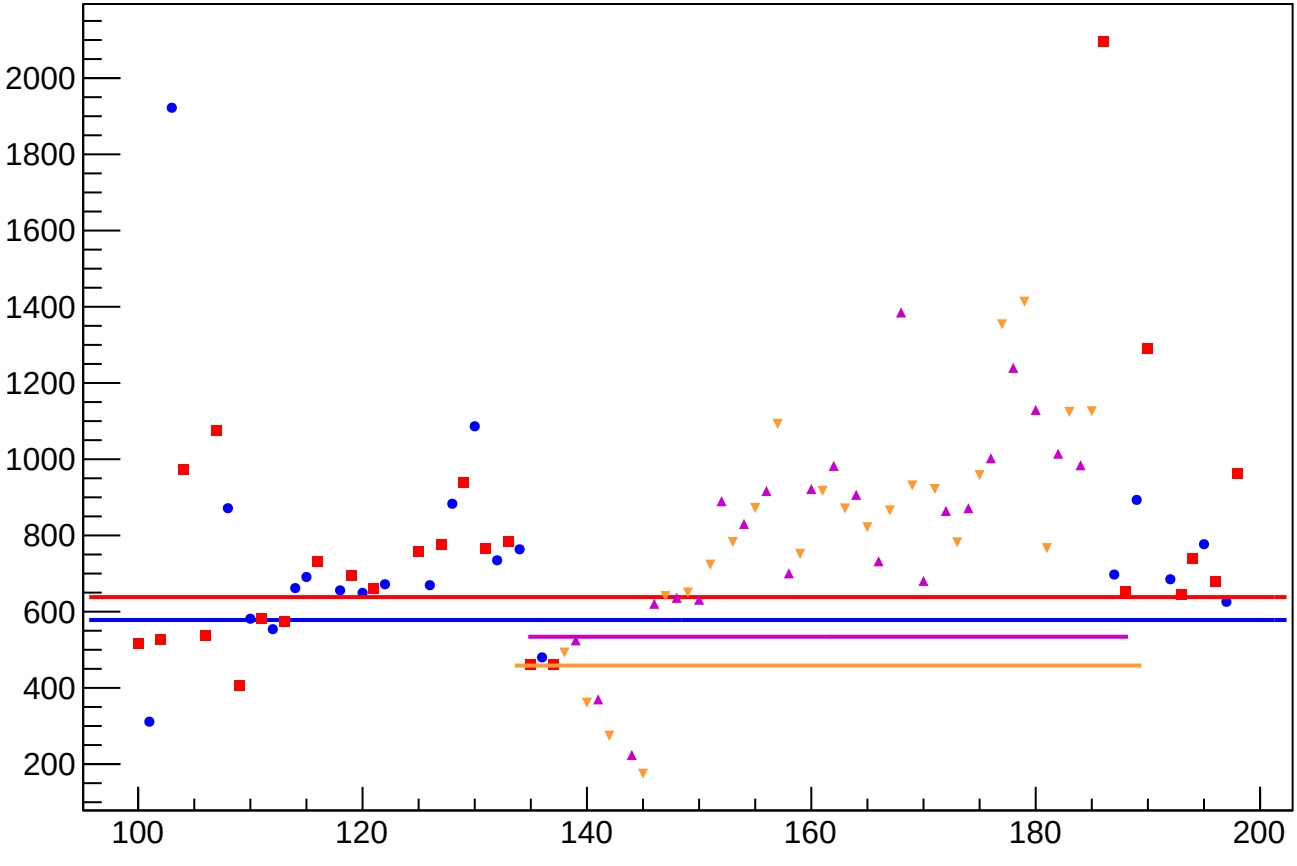
Right: 19.645+/-137.619 χ^2/NDF: 52.1/45

In: 159.929+/-115.082 χ^2/NDF:36.7/43

Out: -69.472+/-108.399 χ^2/NDF:50.9/48

All: 38.375+/-78.906 χ^2/NDF: 89.7/92

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 578.122+/-0.137 χ^2/NDF: 2219153.6/20

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 638.243+/-0.139 χ^2/NDF: 1706536.7/24

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

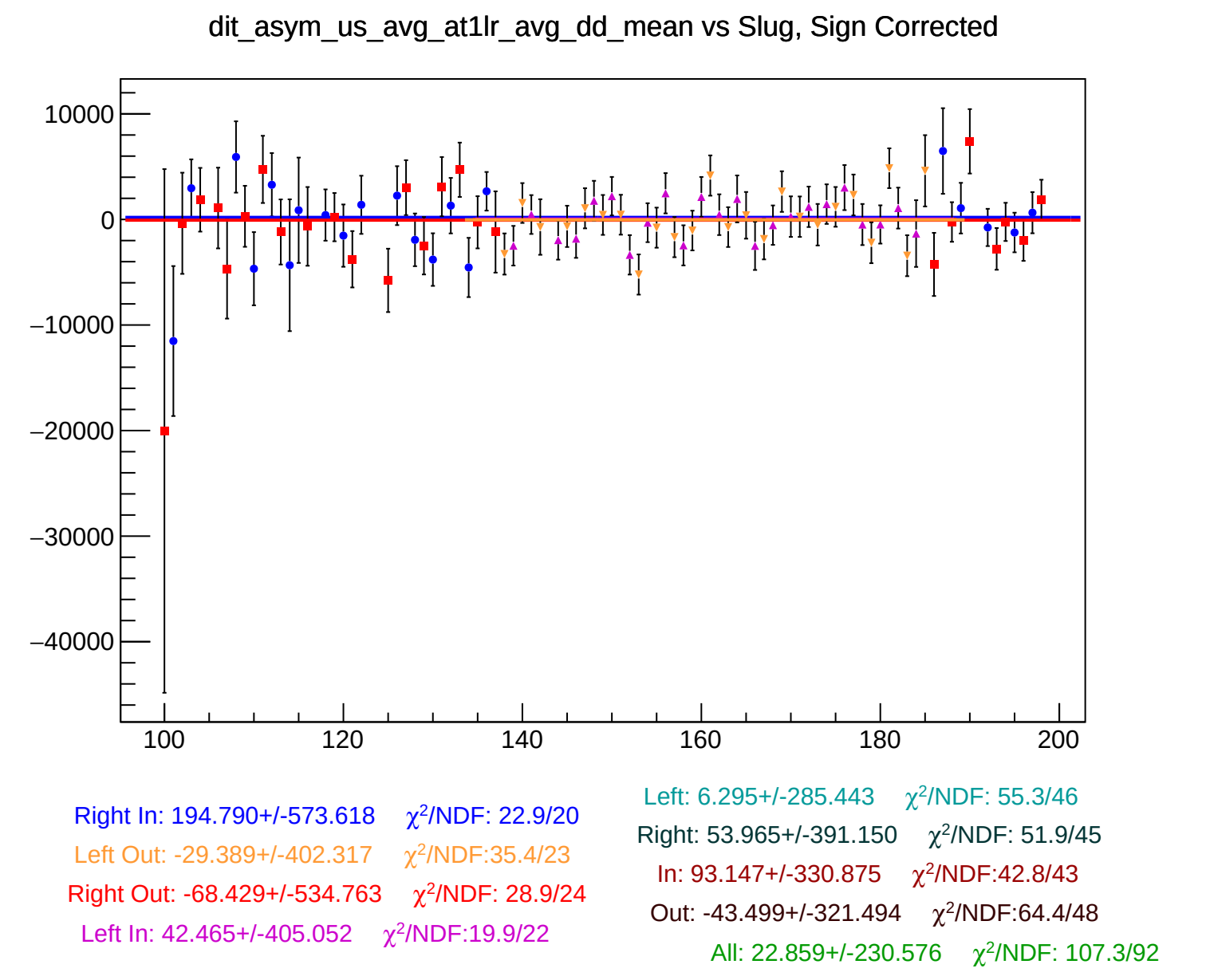
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

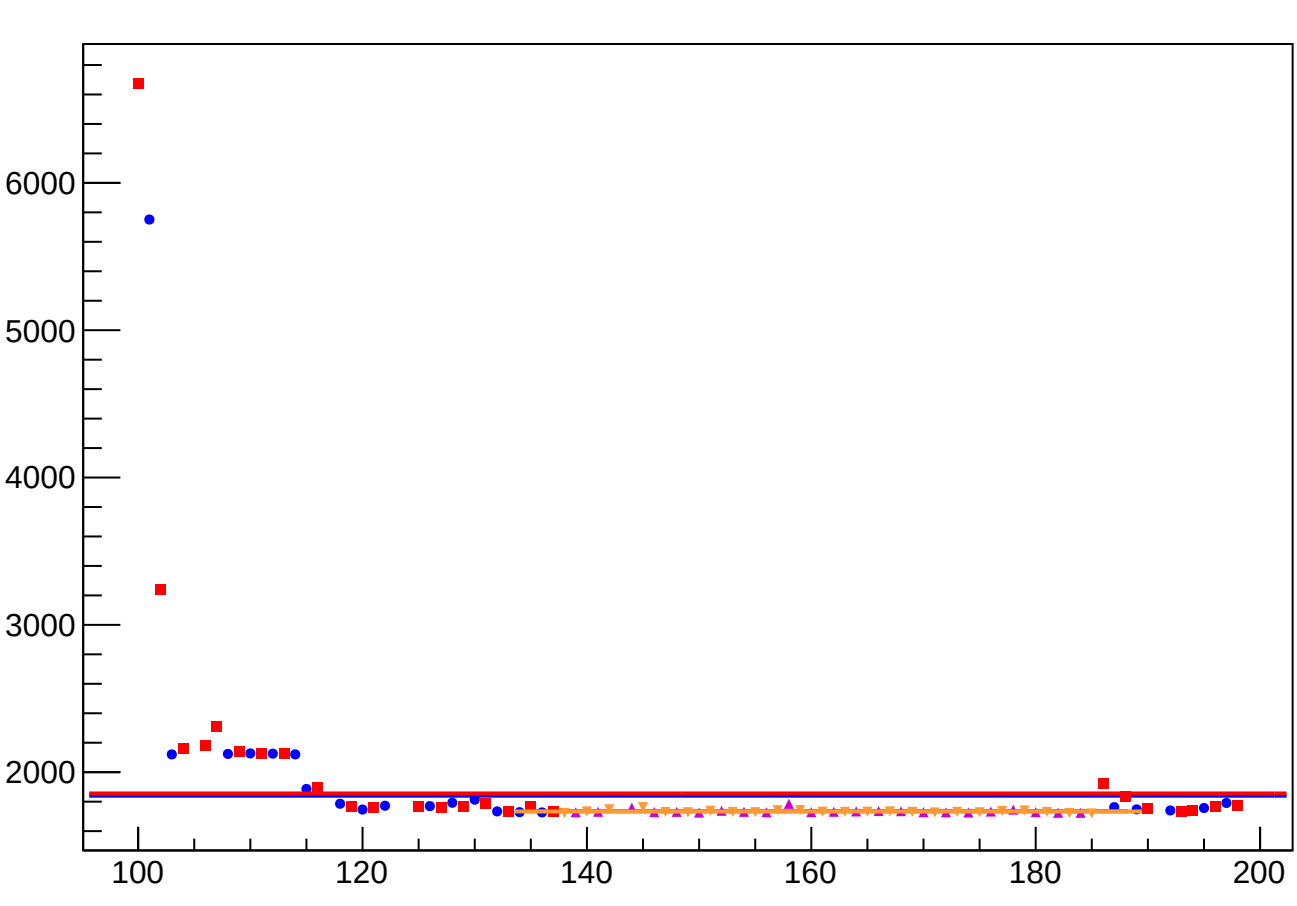
Right: 607.705+/-0.097 χ^2/NDF: 4021092.4/45

In: 549.780+/-0.081 χ^2/NDF:10728784.0/43

Out: 513.436+/-0.077 χ^2/NDF:14297973.4/48

All: 530.522+/-0.056 χ^2/NDF: 25132456.7/92


dit_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: 194.790+/-573.618 χ²/NDF: 22.9/20
Left Out: -29.389+/-402.317 χ²/NDF:35.4/23
Right Out: -68.429+/-534.763 χ²/NDF: 28.9/24
Left In: 42.465+/-405.052 χ²/NDF:19.9/22
Left: 6.295+/-285.443 χ²/NDF: 55.3/46
Right: 53.965+/-391.150 χ²/NDF: 51.9/45
In: 93.147+/-330.875 χ²/NDF:42.8/43
Out: -43.499+/-321.494 χ²/NDF:64.4/48
All: 22.859+/-230.576 χ²/NDF: 107.3/92



Right In: 1840.777+/-0.406 χ^2/NDF: 713383.1/20

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1855.649+/-0.378 χ^2/NDF: 394974.9/24

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

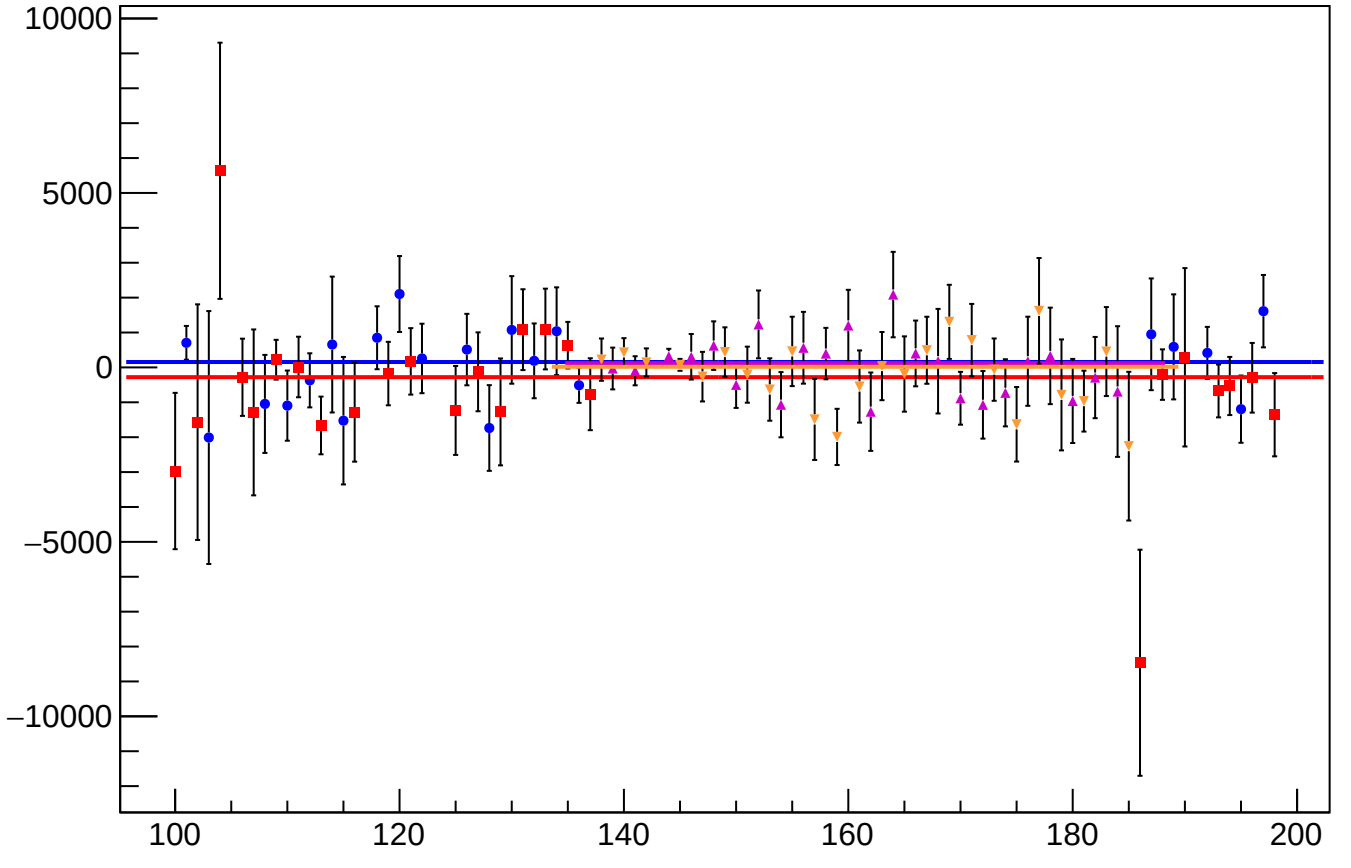
Right: 1848.734+/-0.277 χ^2/NDF: 1109077.2/45

In: 1770.068+/-0.234 χ^2/NDF:761103.3/43

Out: 1777.635+/-0.227 χ^2/NDF:462533.9/48

All: 1773.960+/-0.163 χ^2/NDF: 1224175.2/92

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 154.867+/-207.344 χ^2/NDF: 18.6/20

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

Right Out: -279.290+/-205.933 χ^2/NDF: 22.3/24

Left In: 121.705+/-137.150 χ^2/NDF:16.5/22

Left: 62.699+/-90.026 χ^2/NDF: 36.2/46

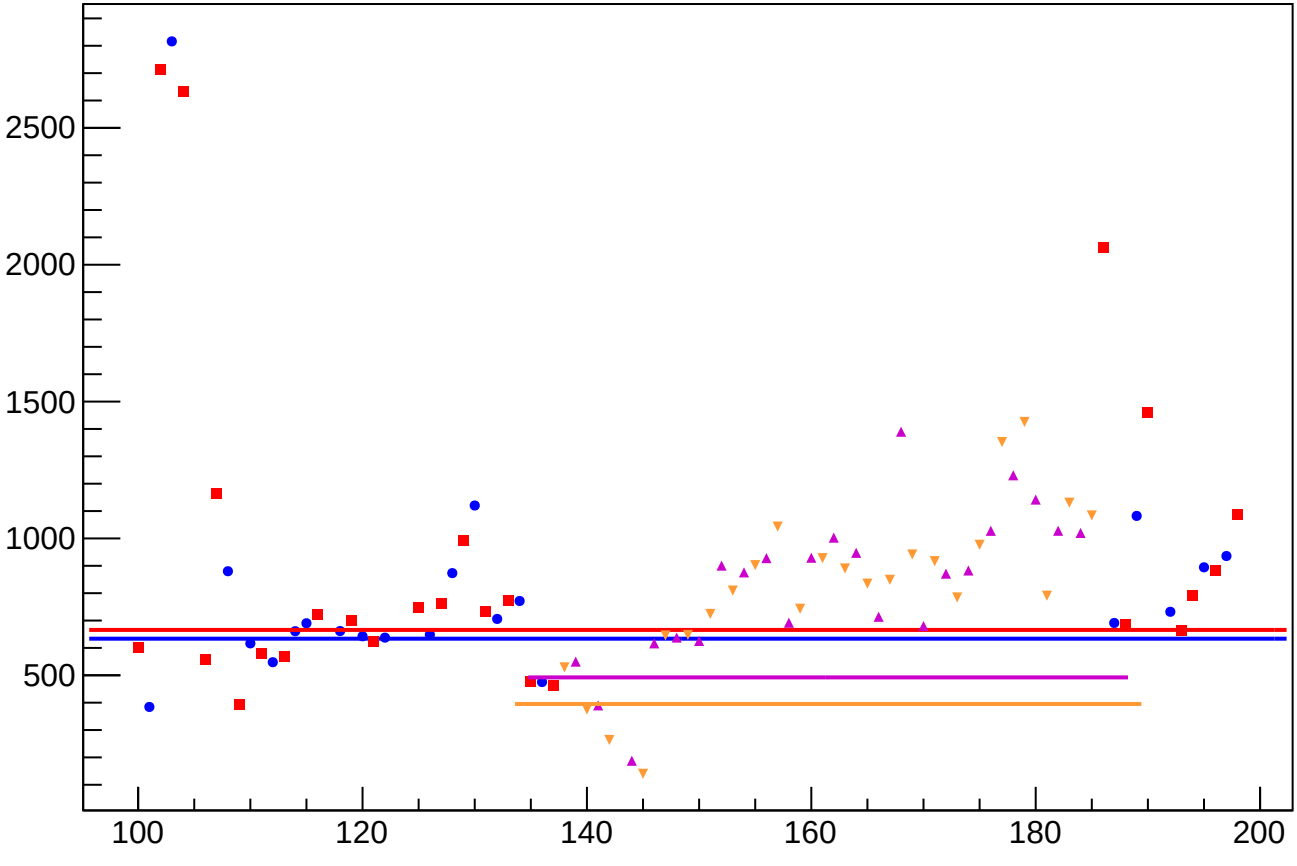
Right: -63.694+/-146.113 χ^2/NDF: 43.1/45

In: 131.799+/-114.390 χ^2/NDF:35.1/43

Out: -56.712+/-103.250 χ^2/NDF:43.3/48

All: 27.920+/-76.645 χ^2/NDF: 79.9/92

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 633.727+/-0.147 χ^2/NDF: 2383759.8/20

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

Right Out: 665.752+/-0.146 χ^2/NDF: 3271475.4/24

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

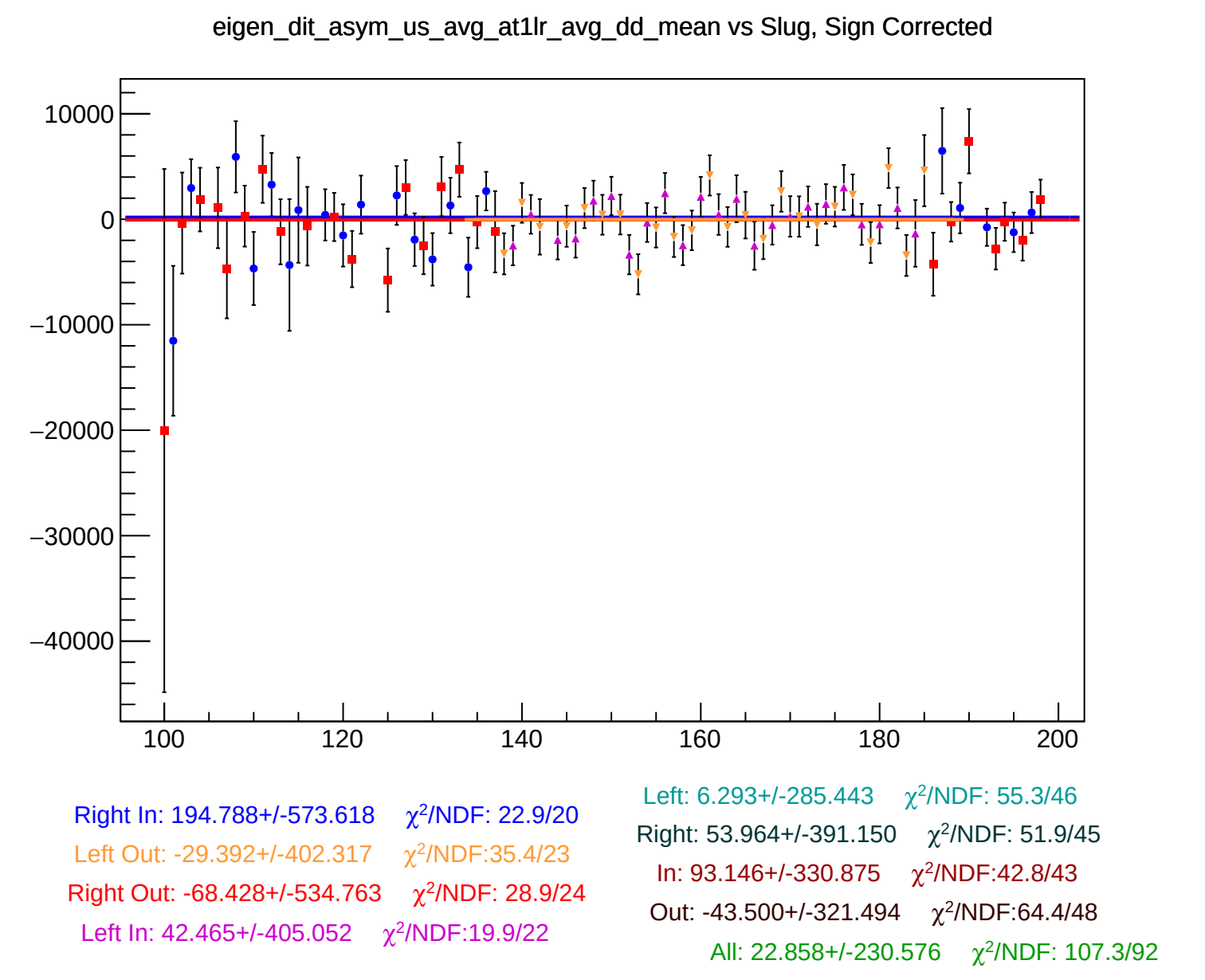
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

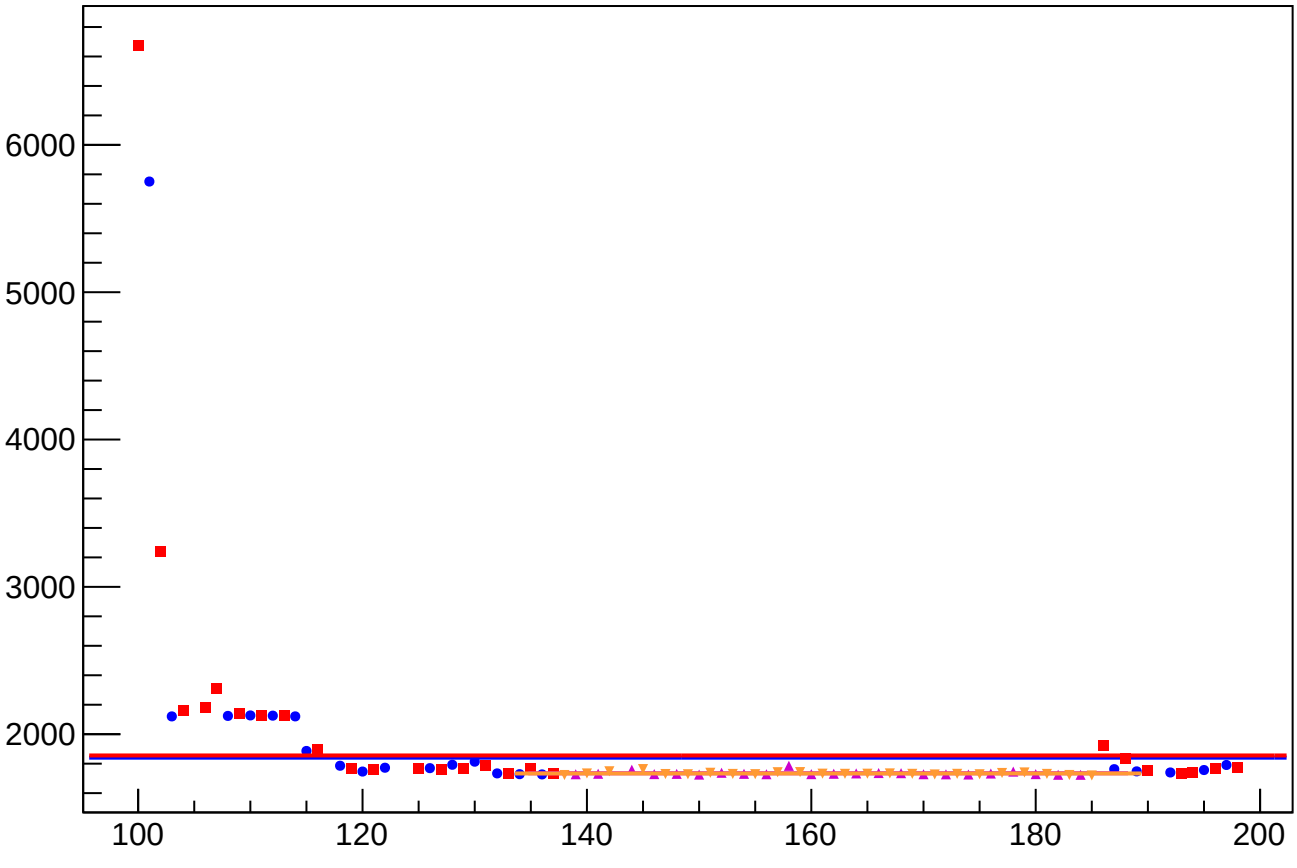
Right: 649.849+/-0.103 χ^2/NDF: 5679254.3/45

In: 535.341+/-0.081 χ^2/NDF:13450592.6/43

Out: 463.203+/-0.073 χ^2/NDF:20190410.3/48

All: 495.589+/-0.054 χ^2/NDF: 34079309.3/92


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 194.788+/-573.618 χ²/NDF: 22.9/20
Left Out: -29.392+/-402.317 χ²/NDF:35.4/23
Right Out: -68.428+/-534.763 χ²/NDF: 28.9/24
Left In: 42.465+/-405.052 χ²/NDF:19.9/22
Left: 6.293+/-285.443 χ²/NDF: 55.3/46
Right: 53.964+/-391.150 χ²/NDF: 51.9/45
In: 93.146+/-330.875 χ²/NDF:42.8/43
Out: -43.500+/-321.494 χ²/NDF:64.4/48
All: 22.858+/-230.576 χ²/NDF: 107.3/92



Right In: 1840.777+/-0.406 χ^2/NDF: 713382.8/20

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1855.649+/-0.378 χ^2/NDF: 394974.0/24

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

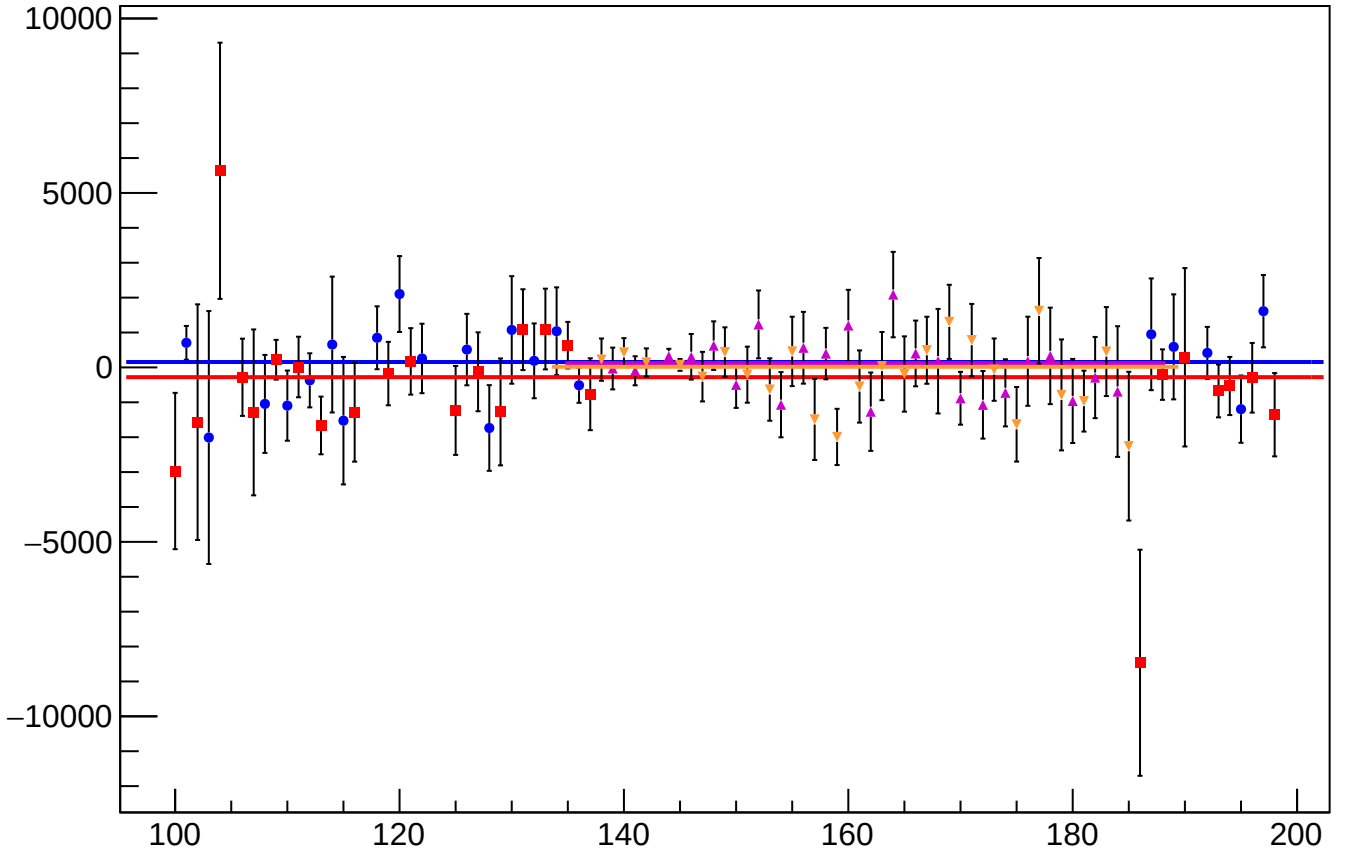
Right: 1848.734+/-0.277 χ^2/NDF: 1109076.0/45

In: 1770.068+/-0.234 χ^2/NDF:761102.9/43

Out: 1777.635+/-0.227 χ^2/NDF:462533.0/48

All: 1773.960+/-0.163 χ^2/NDF: 1224173.9/92

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 154.865+/-207.344 χ^2/NDF: 18.6/20

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

Right Out: -279.286+/-205.932 χ^2/NDF: 22.3/24

Left In: 121.706+/-137.150 χ^2/NDF:16.5/22

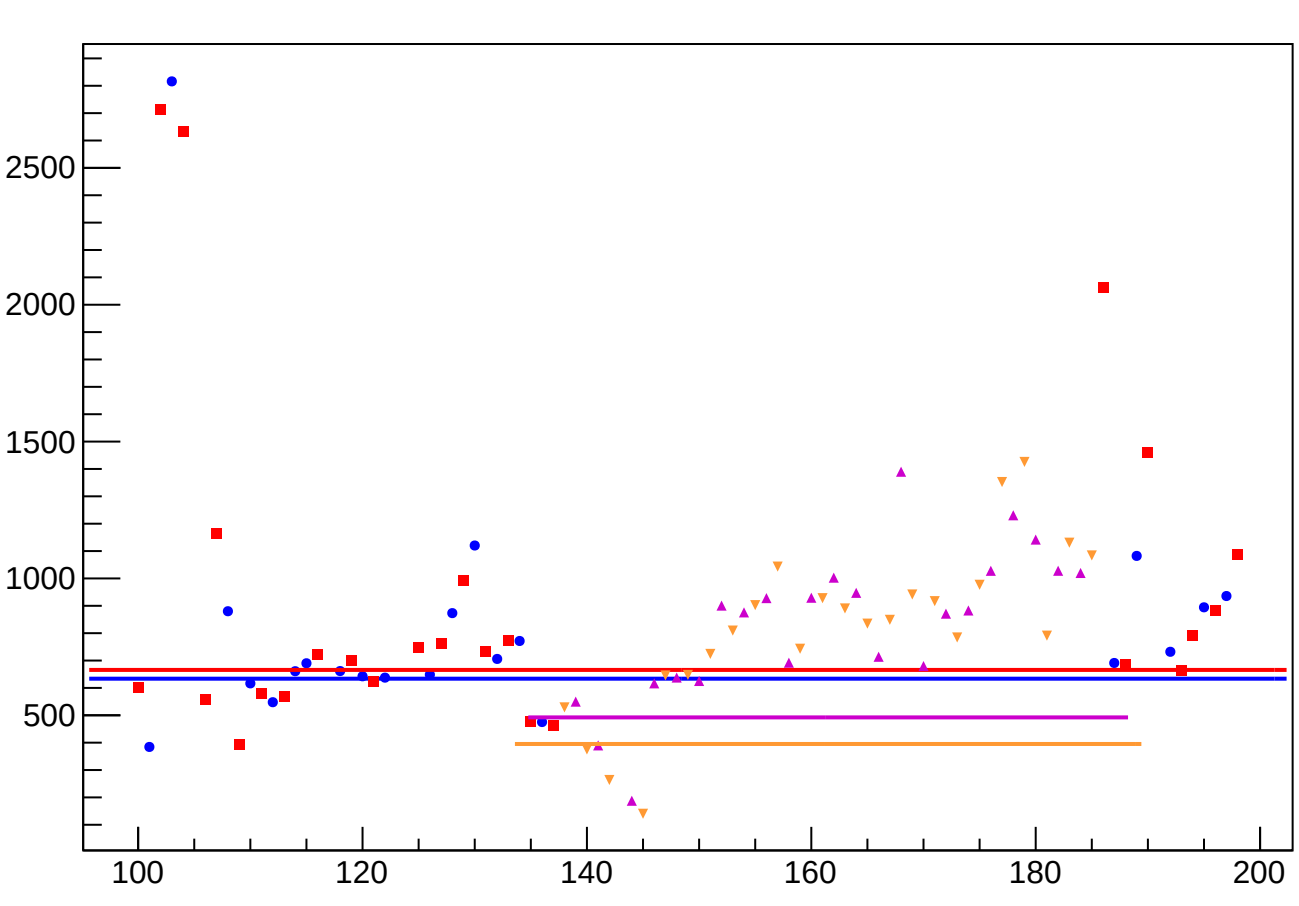
Left: 62.698+/-90.026 χ^2/NDF: 36.2/46

Right: -63.693+/-146.112 χ^2/NDF: 43.1/45

In: 131.798+/-114.390 χ^2/NDF:35.1/43

Out: -56.714+/-103.250 χ^2/NDF:43.3/48

All: 27.919+/-76.645 χ^2/NDF: 79.9/92



Right In: 633.725+/-0.147 χ^2/NDF: 2383753.1/20

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 665.748+/-0.146 χ^2/NDF: 3271501.8/24

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

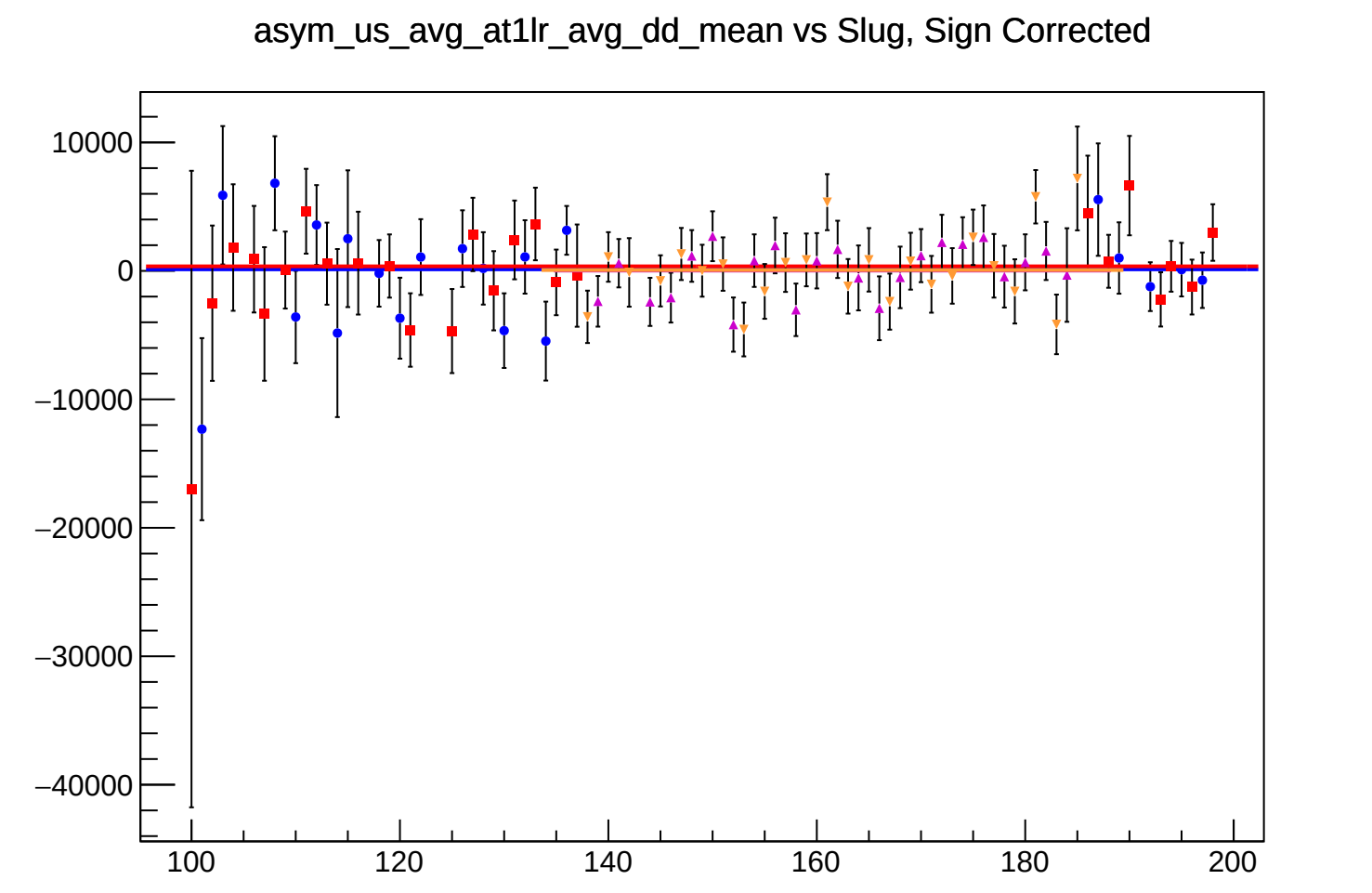
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

Right: 649.846+/-0.103 χ^2/NDF: 5679271.1/45

In: 535.341+/-0.081 χ^2/NDF:13450586.6/43

Out: 463.202+/-0.073 χ^2/NDF:20190419.6/48

All: 495.589+/-0.054 χ^2/NDF: 34079319.3/92



Right In: 122.012+/-632.578 χ^2/NDF: 23.5/20

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: 355.304+/-593.066 χ^2/NDF: 18.6/24

Left In: 25.575+/-450.755 χ^2/NDF:20.0/22

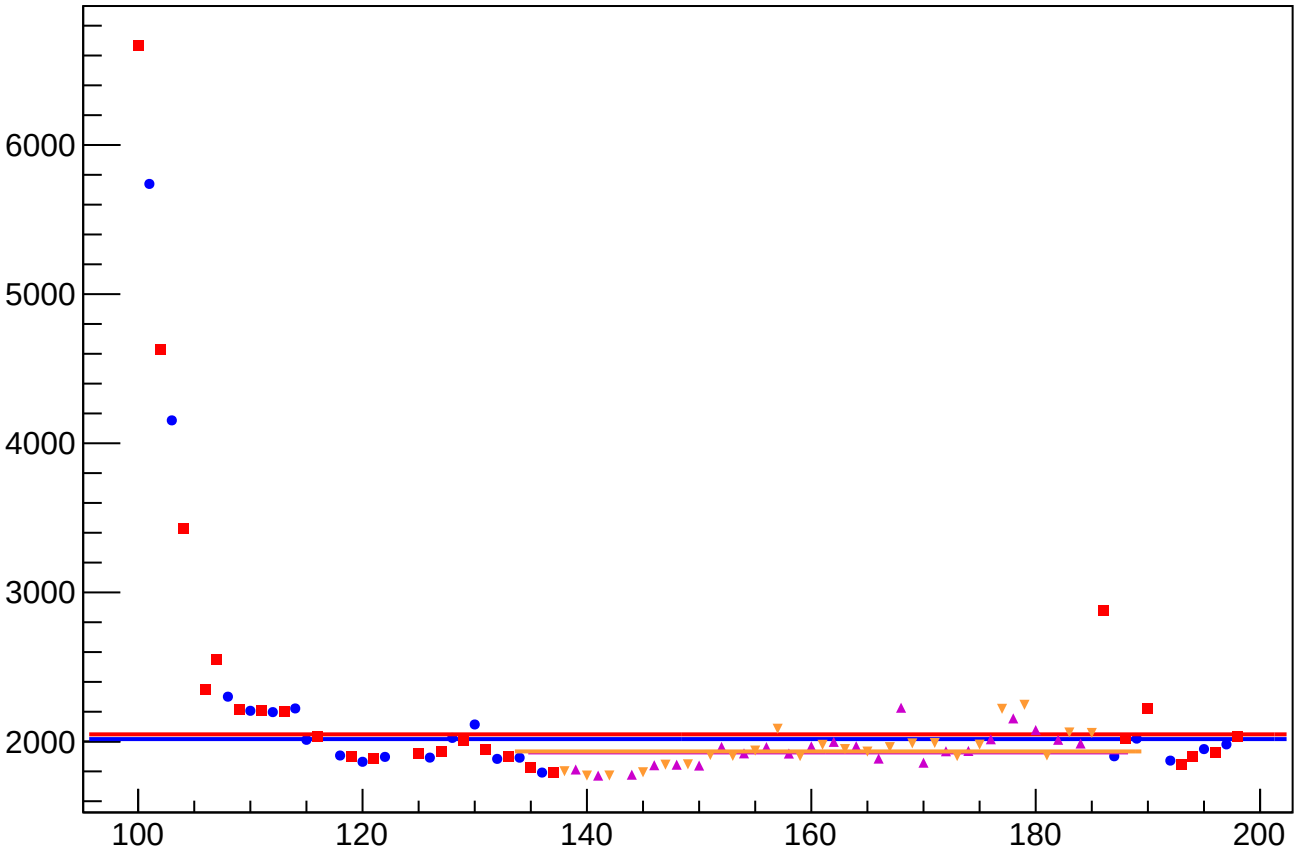
Left: 46.164+/-318.376 χ^2/NDF: 53.6/46

Right: 246.171+/-432.655 χ^2/NDF: 42.2/45

In: 58.051+/-367.092 χ^2/NDF:43.5/43

Out: 172.049+/-358.359 χ^2/NDF:52.4/48

All: 116.422+/-256.430 χ^2/NDF: 95.9/92



Right In: 2016.483+/-0.447 χ^2/NDF: 961314.0/20

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

Right Out: 2048.310+/-0.419 χ^2/NDF: 795683.6/24

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

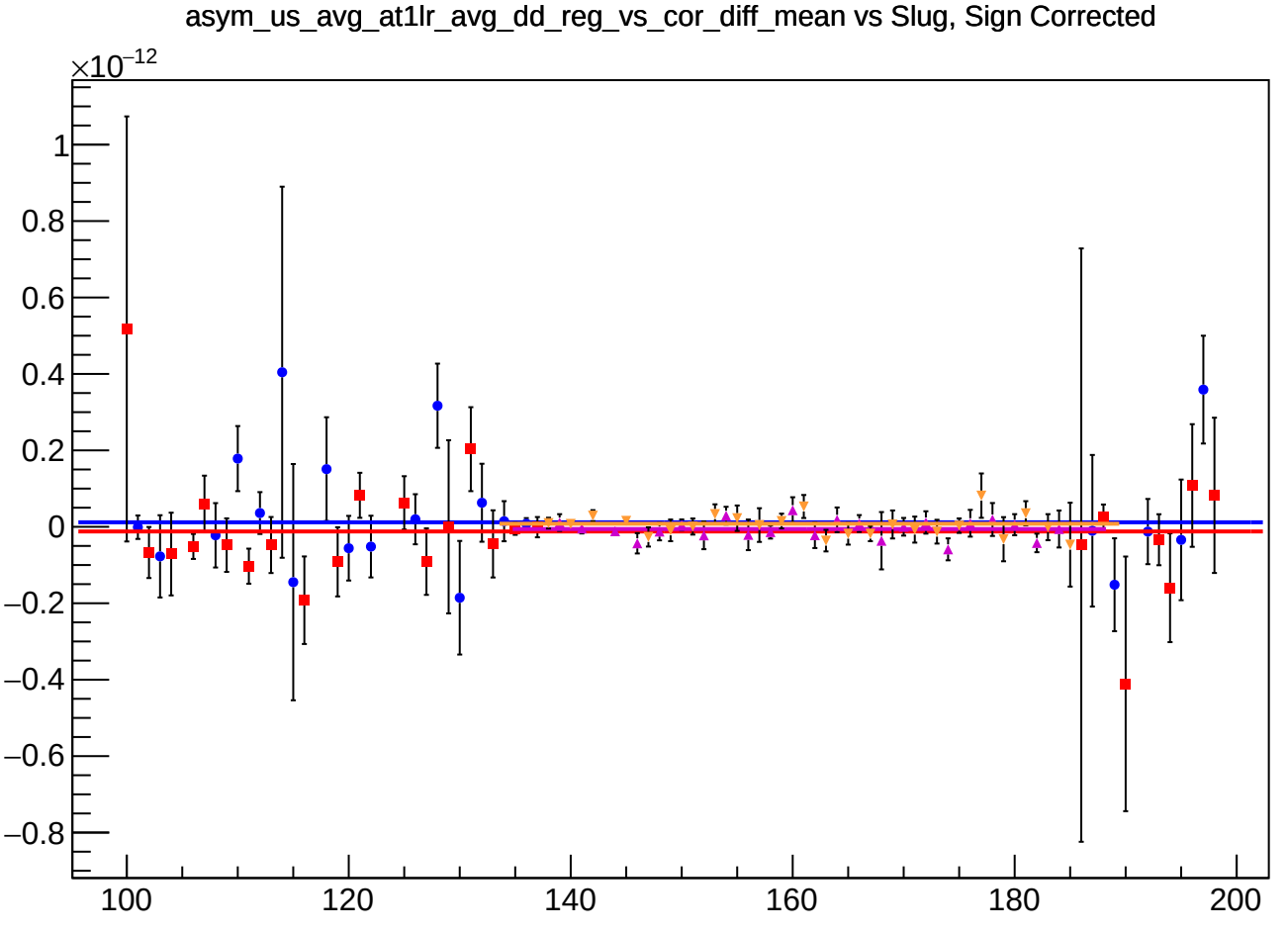
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

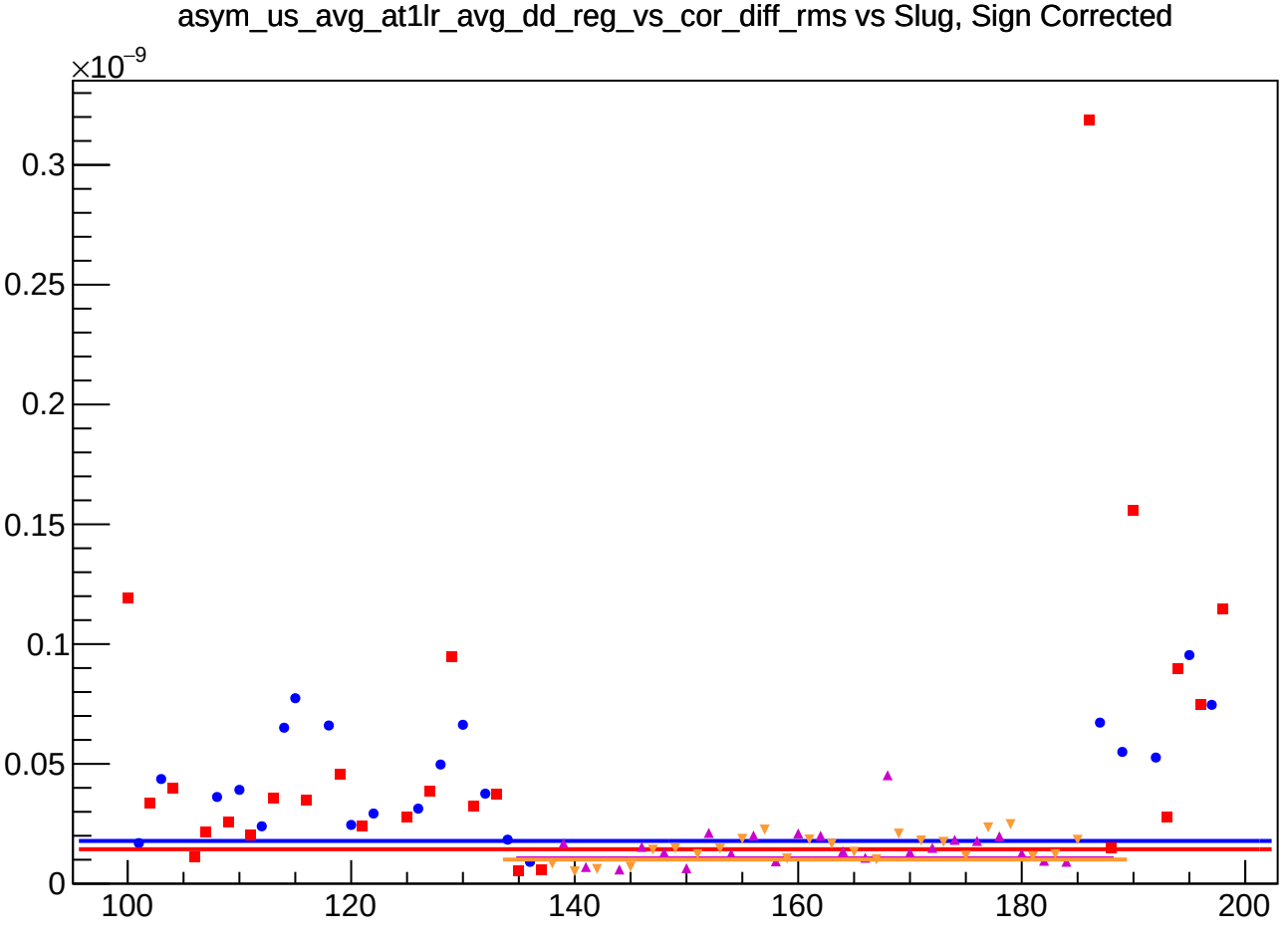
Right: 2033.422+/-0.306 χ^2/NDF: 1759692.1/45

In: 1957.218+/-0.260 χ^2/NDF:1104219.3/43

Out: 1975.612+/-0.253 χ^2/NDF:971549.7/48

All: 1966.636+/-0.181 χ^2/NDF: 2078340.5/92


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: 26.1/20
Left Out: 0.000+/-0.000 χ²/NDF:17.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 25.7/24
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: 54.3/45
In: -0.000+/-0.000 χ²/NDF:44.9/43
Out: 0.000+/-0.000 χ²/NDF:46.5/48
All: 0.000+/-0.000 χ²/NDF: 93.3/92



Right In: 0.000+/-0.000 χ^2/NDF: 3443295.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4613696.0/24

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4866060.2/46

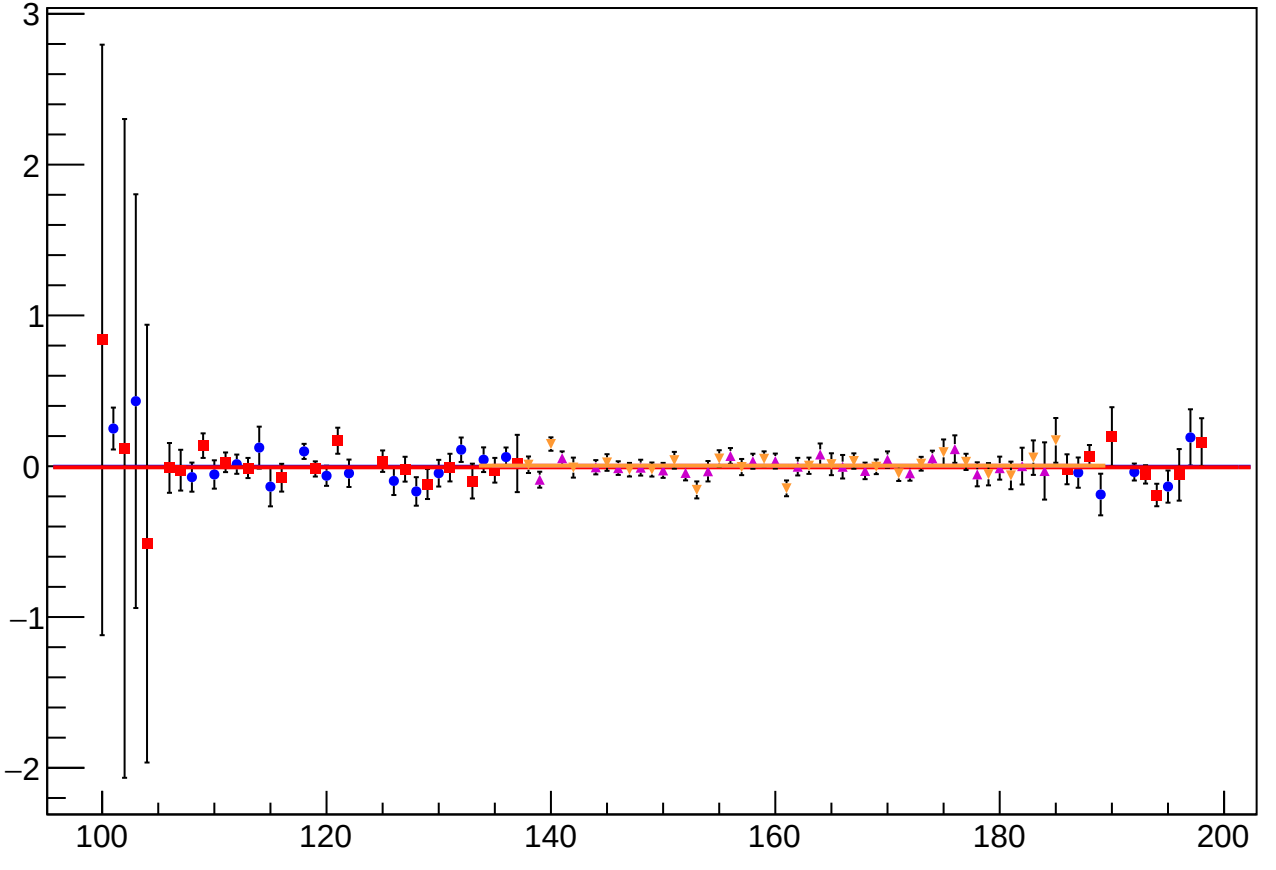
Right: 0.000+/-0.000 χ^2/NDF: 8162081.7/45

In: 0.000+/-0.000 χ^2/NDF:6728366.4/43

Out: 0.000+/-0.000 χ^2/NDF:7201797.5/48

All: 0.000+/-0.000 χ^2/NDF: 13968515.1/92

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.019 χ^2/NDF: 23.8/20

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.007+/-0.018 χ^2/NDF: 20.6/24

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

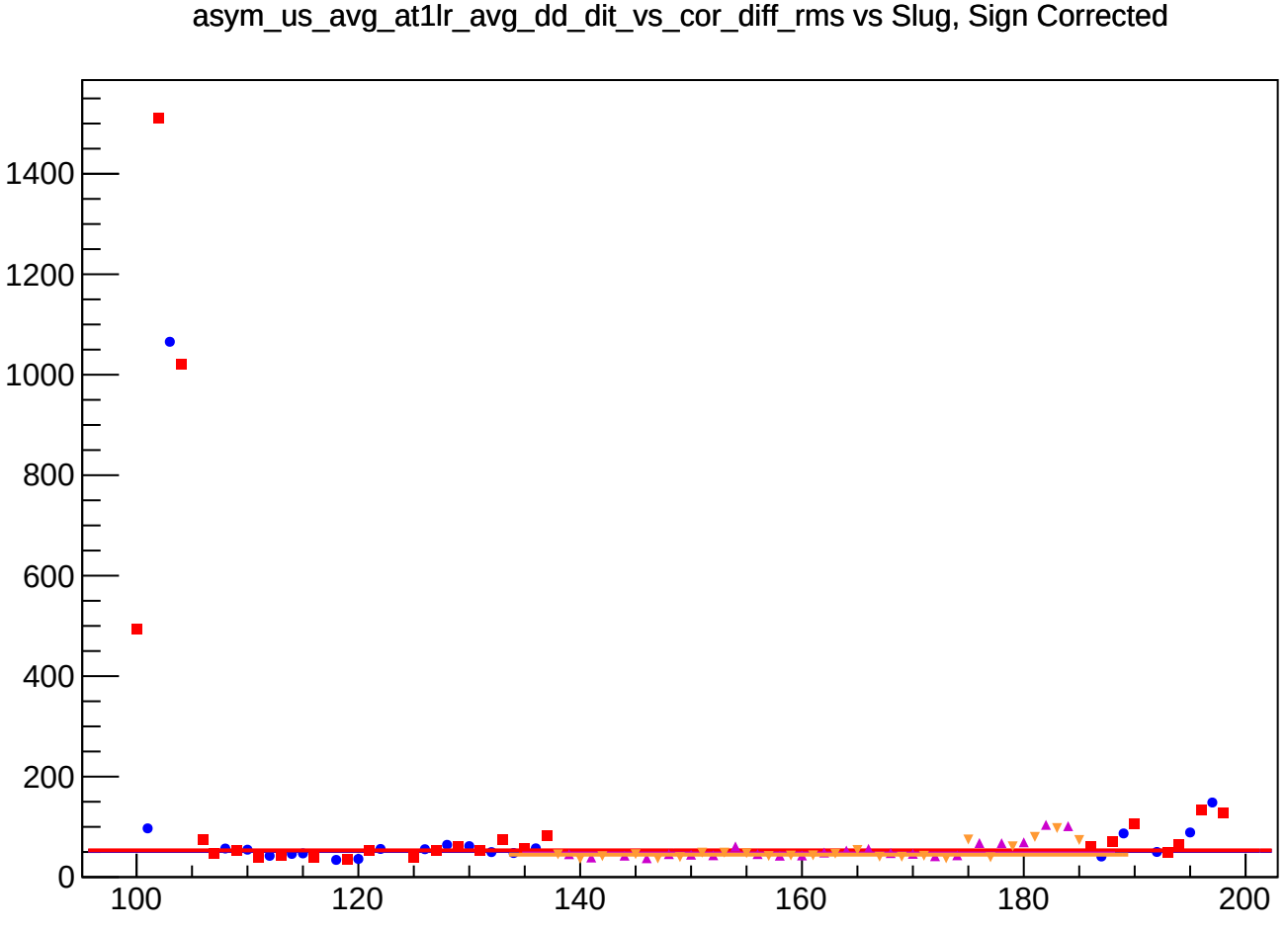
Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

Right: -0.005+/-0.013 χ^2/NDF: 44.4/45

In: 0.001+/-0.010 χ^2/NDF:38.3/43

Out: 0.001+/-0.010 χ^2/NDF:55.9/48

All: 0.001+/-0.007 χ^2/NDF: 94.3/92



Right In: 52.018+/-0.013 χ^2/NDF: 2736773.9/20

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 53.203+/-0.013 χ^2/NDF: 3755895.7/24

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

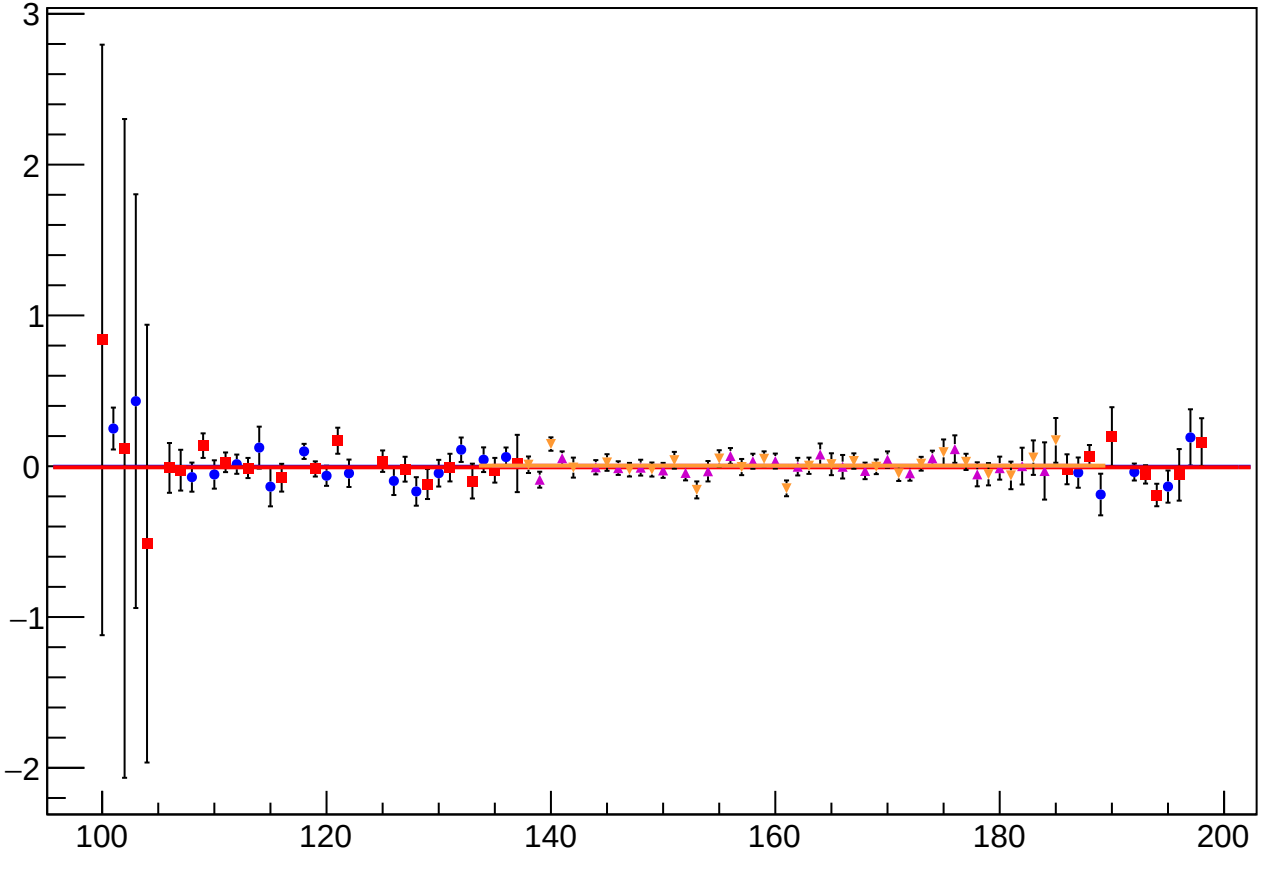
Right: 52.624+/-0.009 χ^2/NDF: 6496777.5/45

In: 48.478+/-0.007 χ^2/NDF:4220861.6/43

Out: 47.138+/-0.007 χ^2/NDF:5545015.7/48

All: 47.786+/-0.005 χ^2/NDF: 9784190.6/92

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.019 χ^2/NDF: 23.8/20

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.007+/-0.018 χ^2/NDF: 20.6/24

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

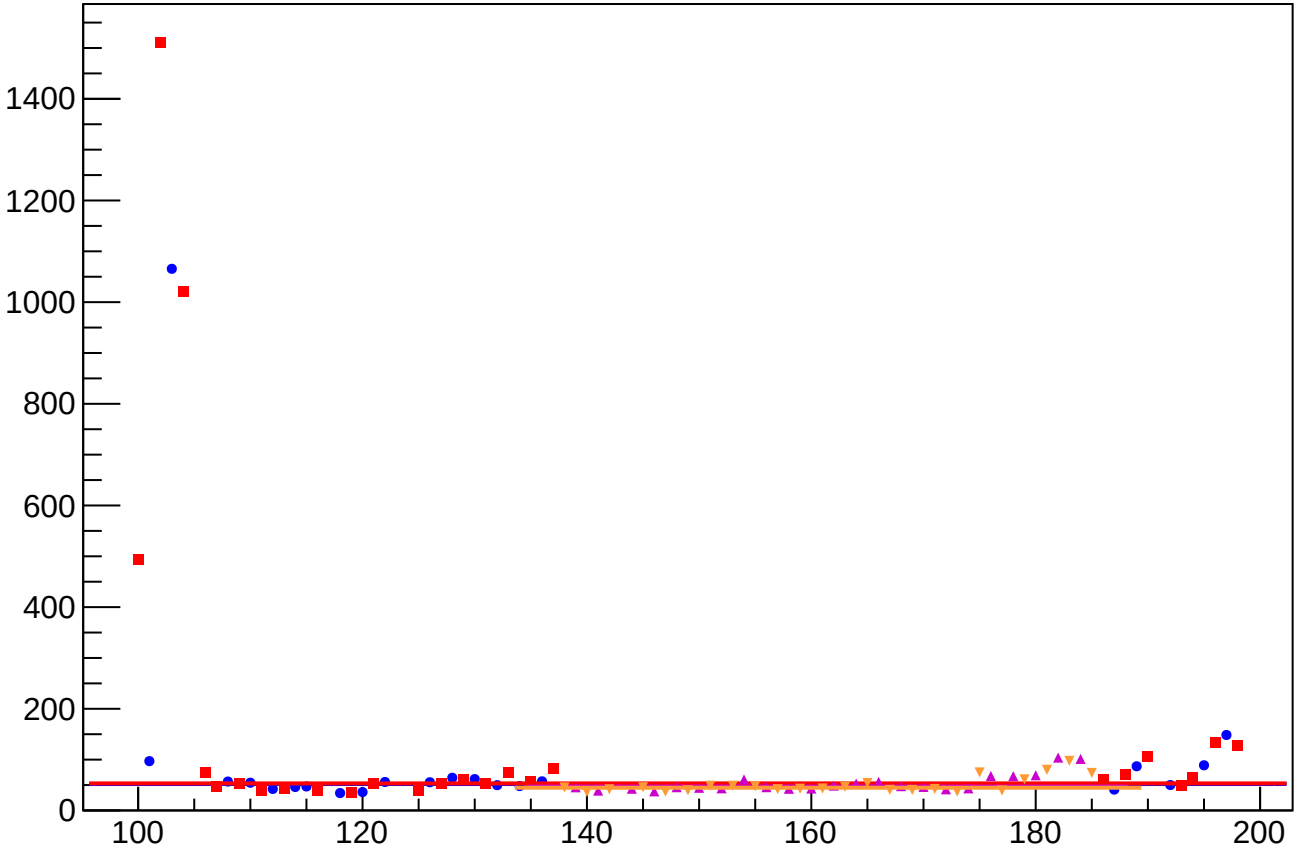
Right: -0.005+/-0.013 χ^2/NDF: 44.4/45

In: 0.001+/-0.010 χ^2/NDF:38.3/43

Out: 0.001+/-0.010 χ^2/NDF:55.9/48

All: 0.001+/-0.007 χ^2/NDF: 94.3/92

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.018+/-0.013 χ^2/NDF: 2736773.9/20

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 53.203+/-0.013 χ^2/NDF: 3755895.7/24

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

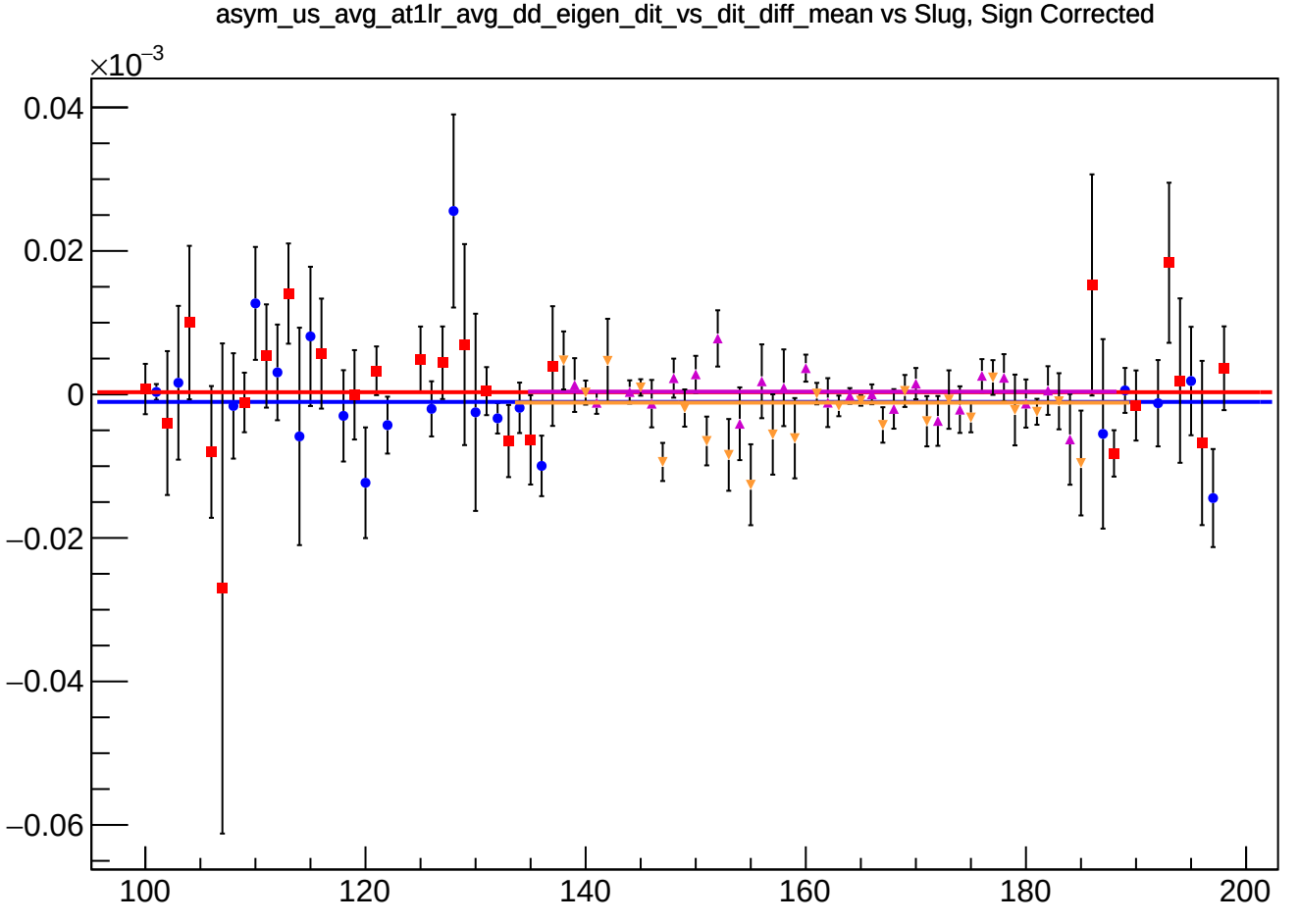
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 52.624+/-0.009 χ^2/NDF: 6496777.5/45

In: 48.478+/-0.007 χ^2/NDF:4220861.6/43

Out: 47.138+/-0.007 χ^2/NDF:5545015.7/48

All: 47.786+/-0.005 χ^2/NDF: 9784190.6/92



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/24

Left In: 0.000+/-0.000 χ^2/NDF:16.3/22

Left: -0.000+/-0.000 χ^2/NDF: 57.8/46

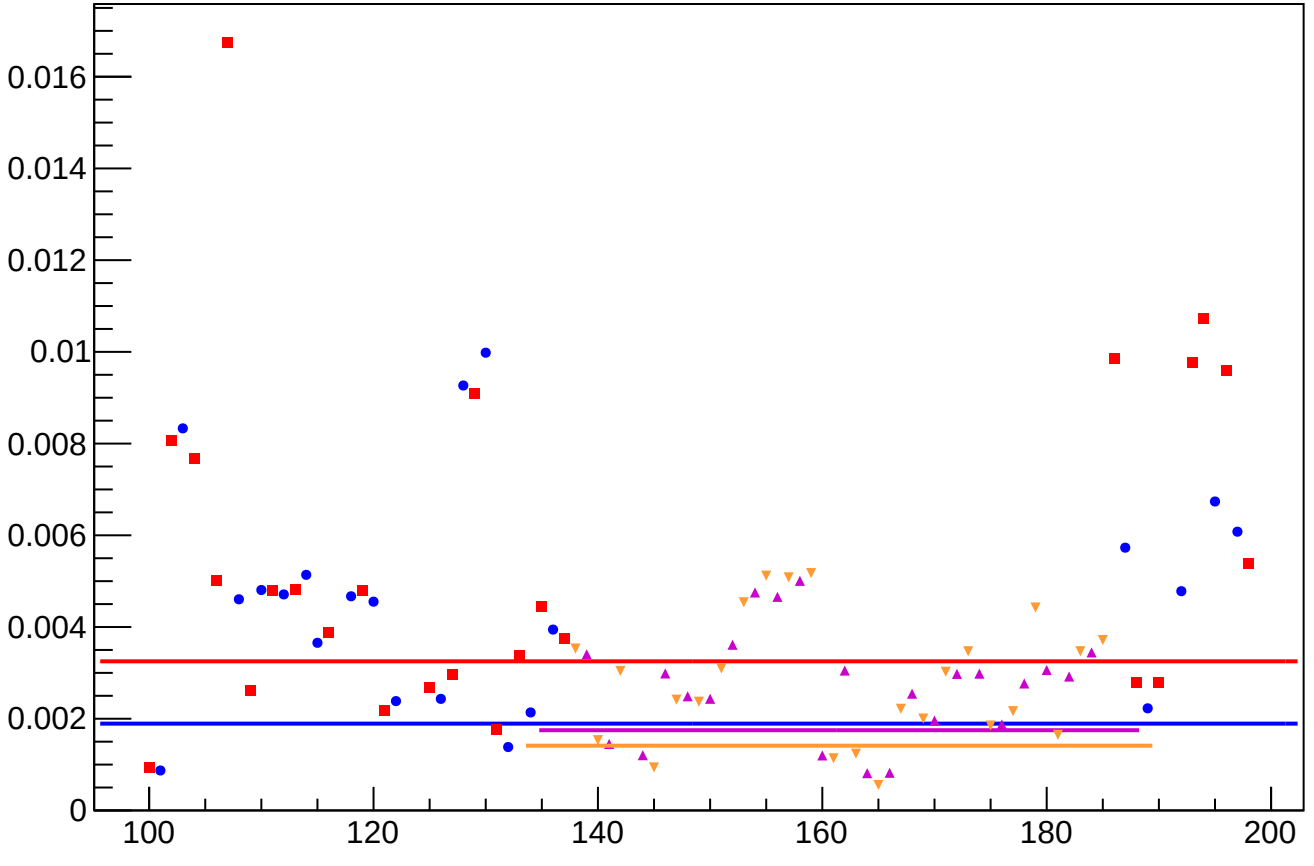
Right: -0.000+/-0.000 χ^2/NDF: 48.7/45

In: -0.000+/-0.000 χ^2/NDF:41.7/43

Out: -0.000+/-0.000 χ^2/NDF:61.9/48

All: -0.000+/-0.000 χ^2/NDF: 106.5/92

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: 8317300.2/20

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 6331307.1/24

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

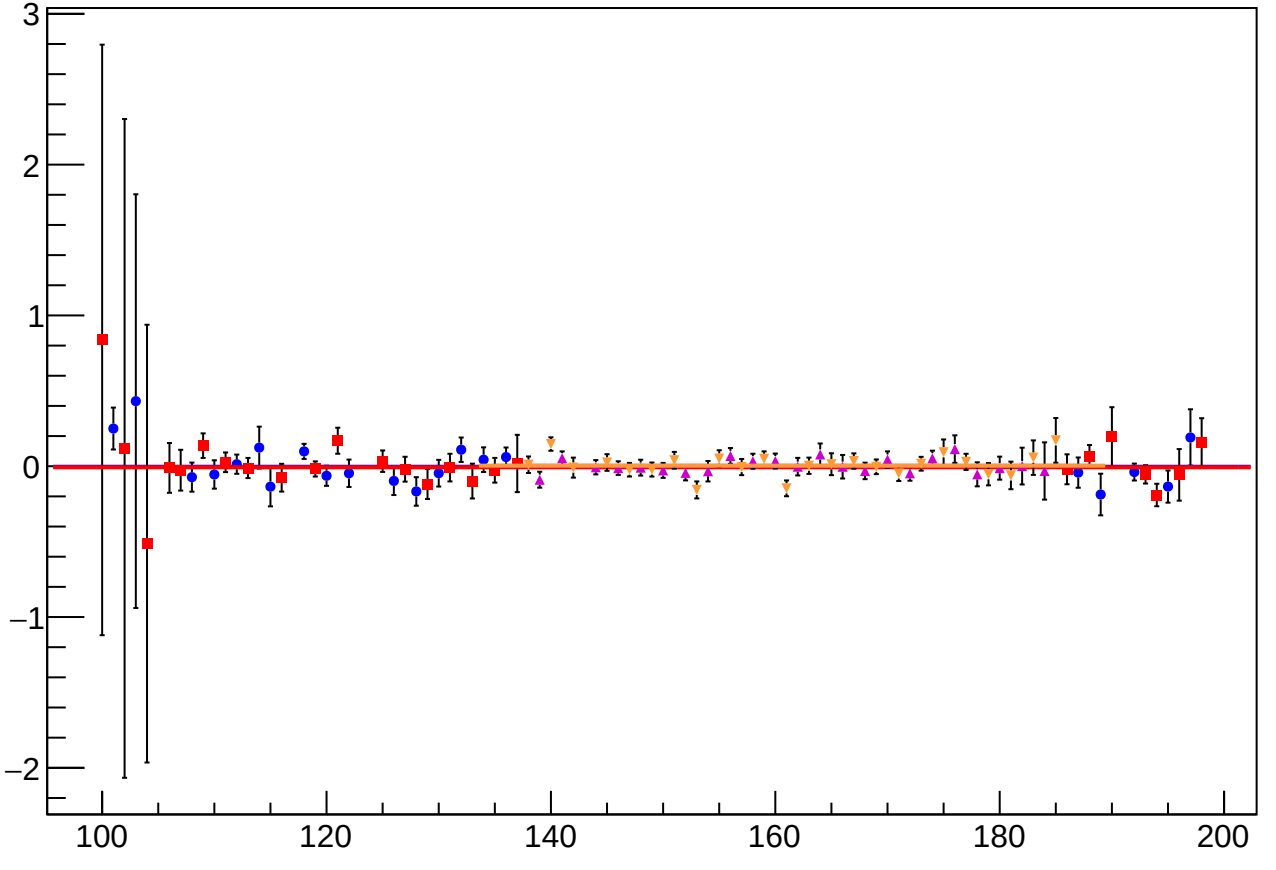
Right: 0.002+/-0.000 χ^2/NDF: 16622226.3/45

In: 0.002+/-0.000 χ^2/NDF:16604509.3/43

Out: 0.002+/-0.000 χ^2/NDF:22668770.2/48

All: 0.002+/-0.000 χ^2/NDF: 39433406.9/92

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.019 χ^2/NDF: 23.8/20

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.007+/-0.018 χ^2/NDF: 20.6/24

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

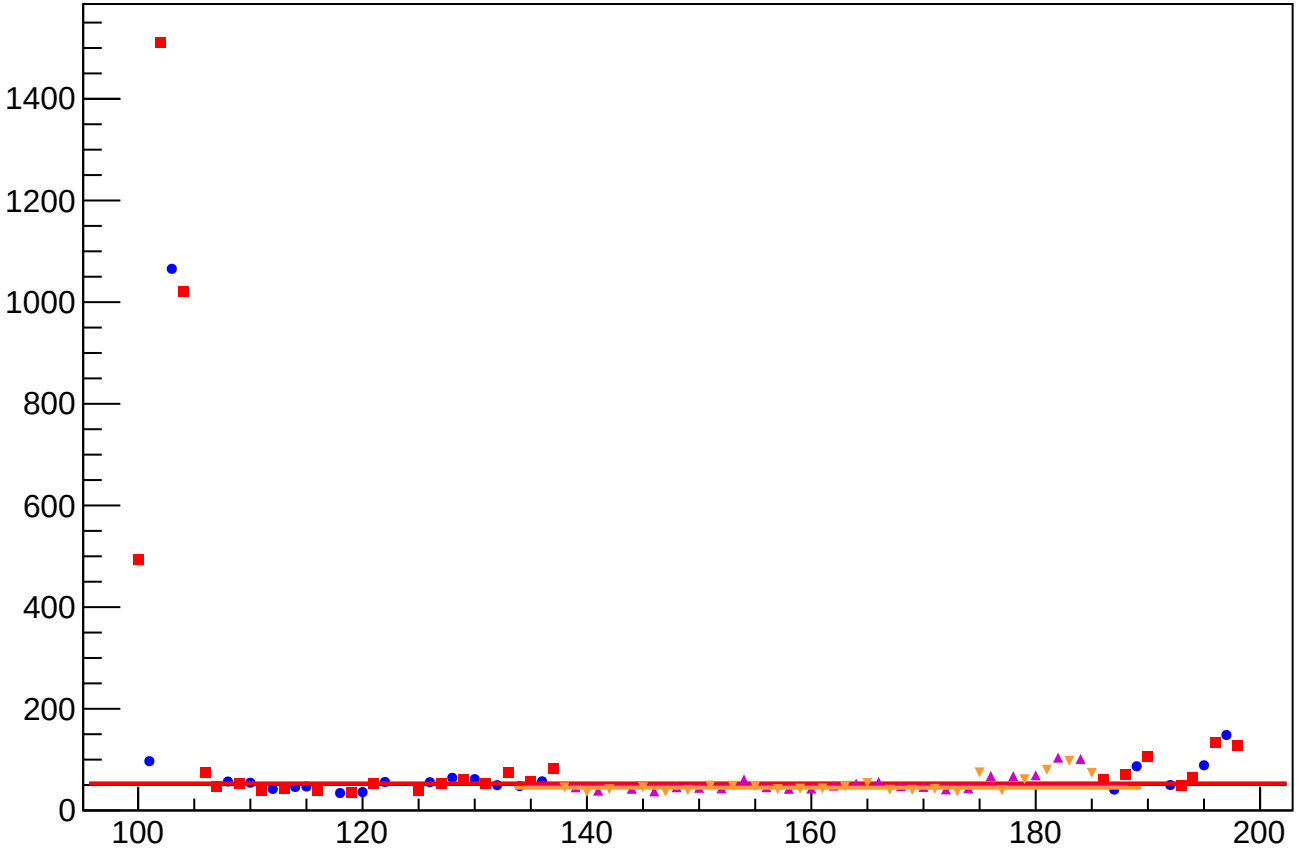
Right: -0.005+/-0.013 χ^2/NDF: 44.4/45

In: 0.001+/-0.010 χ^2/NDF:38.3/43

Out: 0.001+/-0.010 χ^2/NDF:55.9/48

All: 0.001+/-0.007 χ^2/NDF: 94.3/92

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.018+/-0.013 χ^2/NDF: 2736696.8/20

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 53.202+/-0.013 χ^2/NDF: 3755978.6/24

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

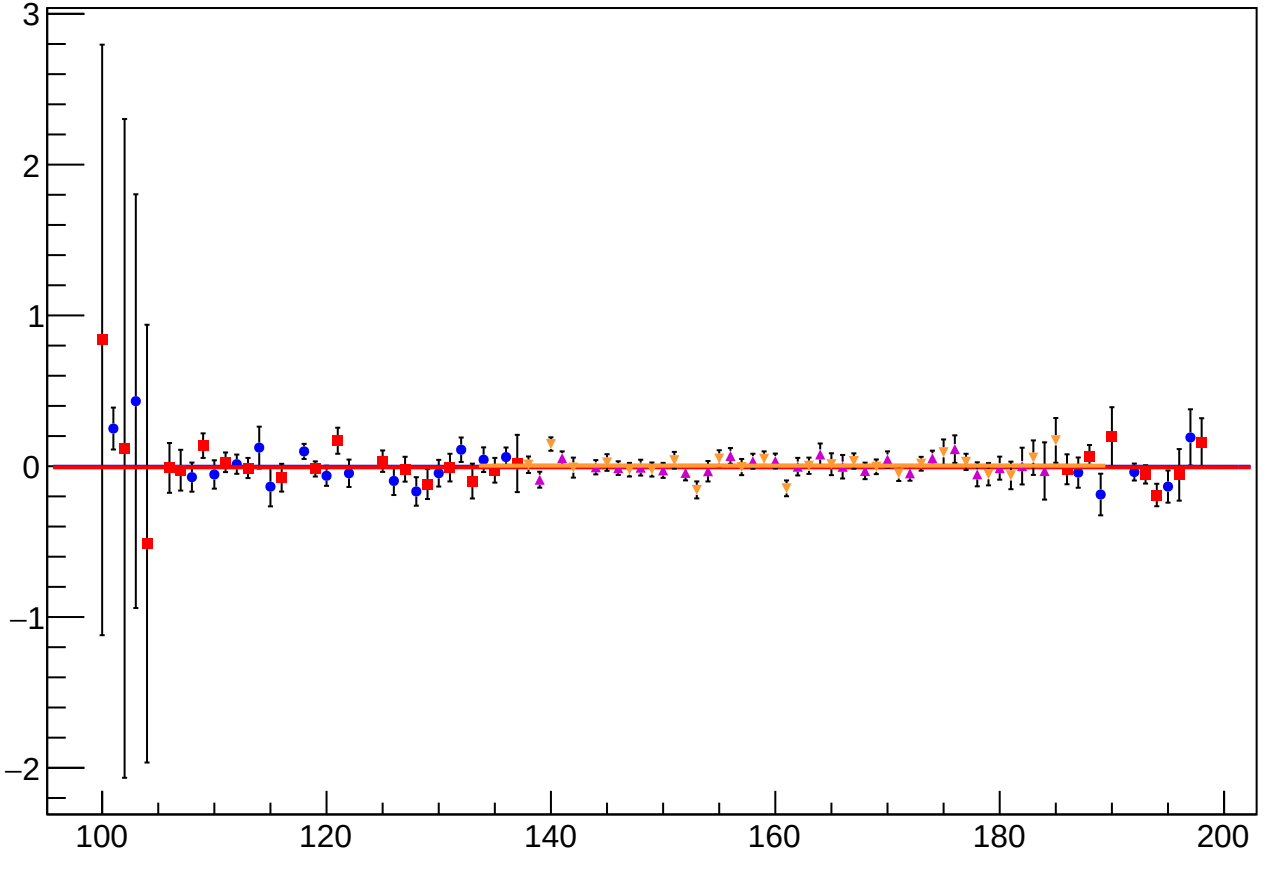
Right: 52.623+/-0.009 χ^2/NDF: 6496779.6/45

In: 48.477+/-0.007 χ^2/NDF:4220851.6/43

Out: 47.138+/-0.007 χ^2/NDF:5545026.3/48

All: 47.786+/-0.005 χ^2/NDF: 9784186.2/92

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.019 χ^2/NDF: 23.8/20

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.007+/-0.018 χ^2/NDF: 20.6/24

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

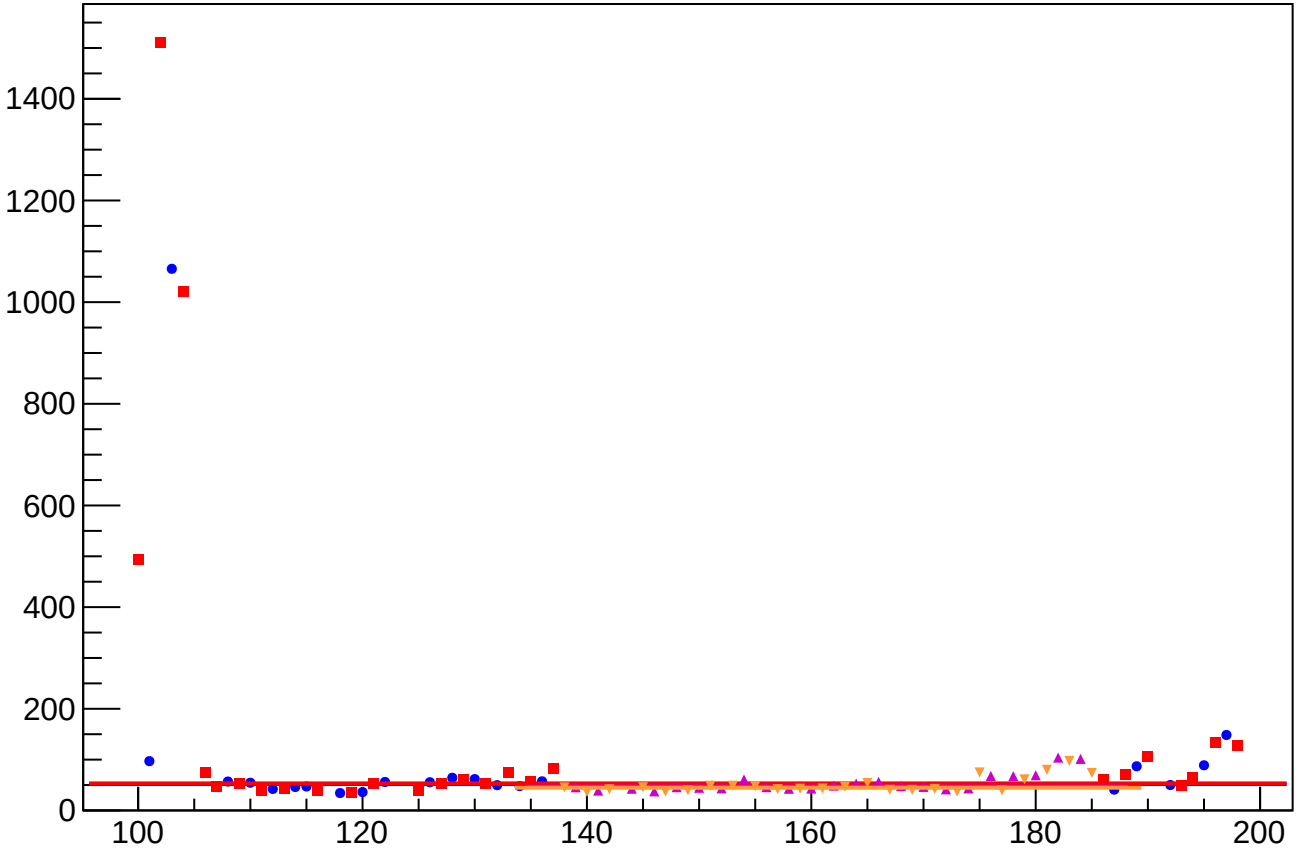
Right: -0.005+/-0.013 χ^2/NDF: 44.4/45

In: 0.001+/-0.010 χ^2/NDF:38.3/43

Out: 0.001+/-0.010 χ^2/NDF:55.9/48

All: 0.001+/-0.007 χ^2/NDF: 94.3/92

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.018+/-0.013 χ^2/NDF: 2736696.8/20

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 53.202+/-0.013 χ^2/NDF: 3755978.6/24

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

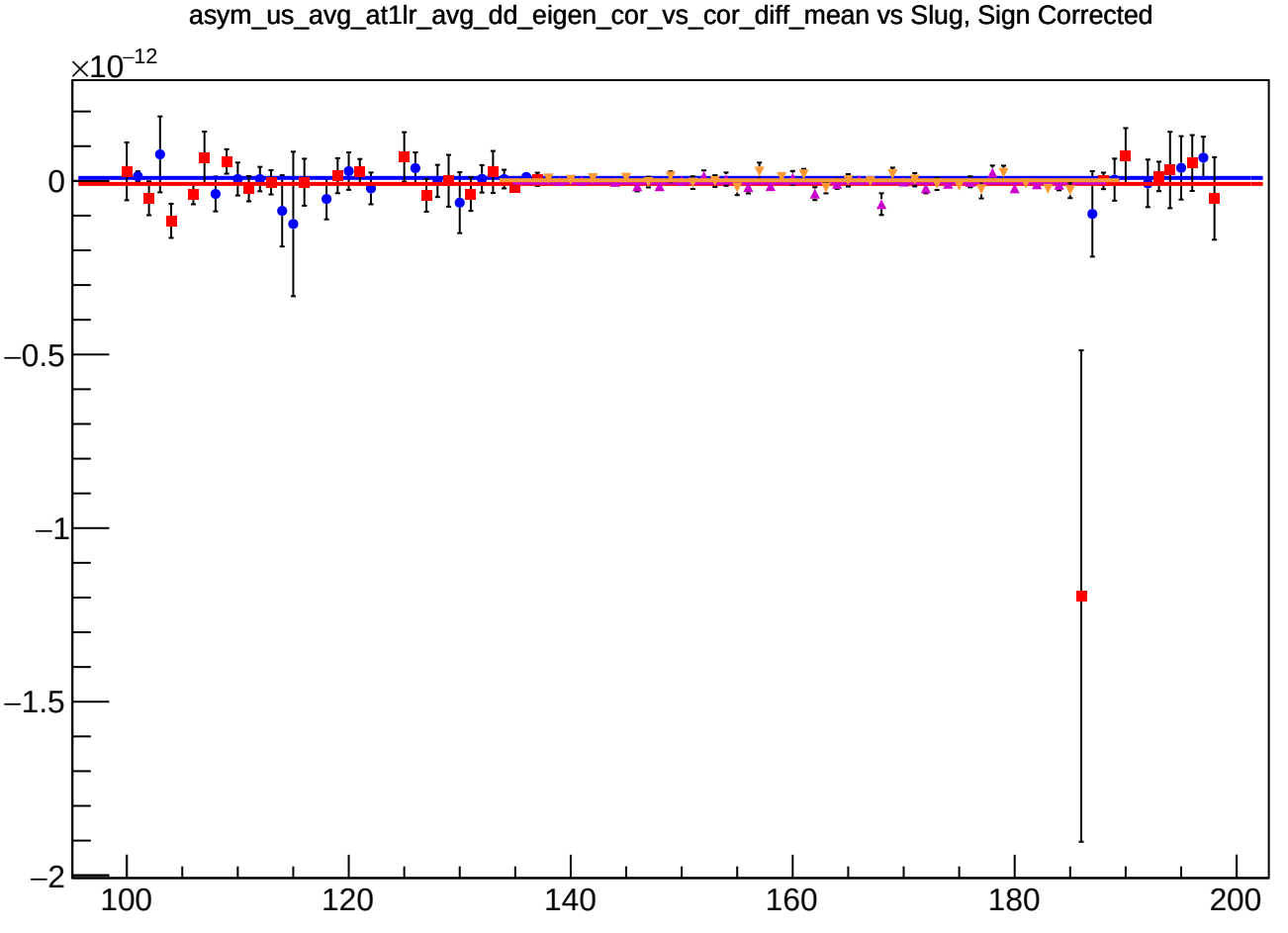
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 52.623+/-0.009 χ^2/NDF: 6496779.6/45

In: 48.477+/-0.007 χ^2/NDF:4220851.6/43

Out: 47.138+/-0.007 χ^2/NDF:5545026.3/48

All: 47.786+/-0.005 χ^2/NDF: 9784186.2/92



Right In: 0.000+/-0.000 χ^2/NDF: 7.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/24

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

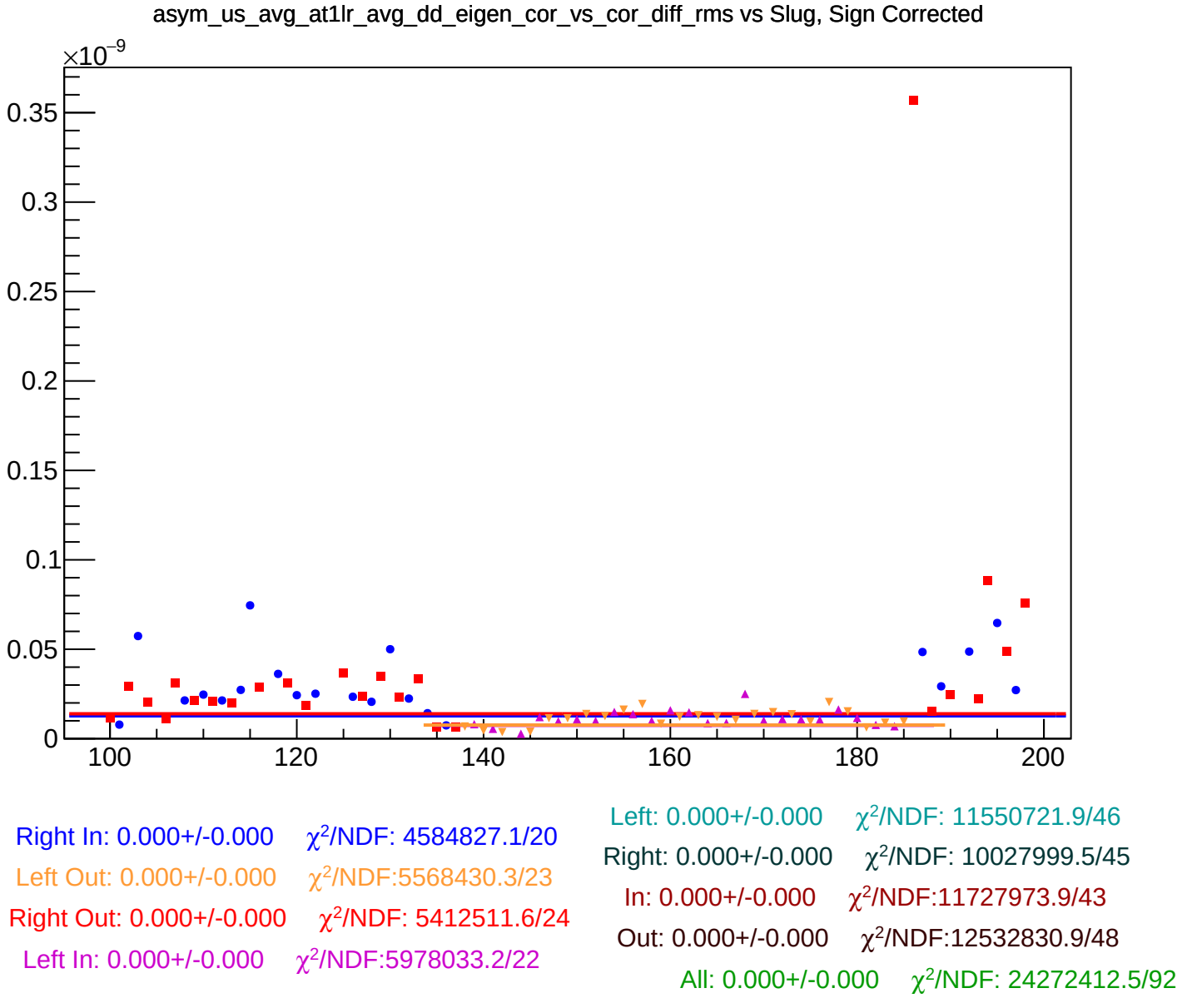
Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

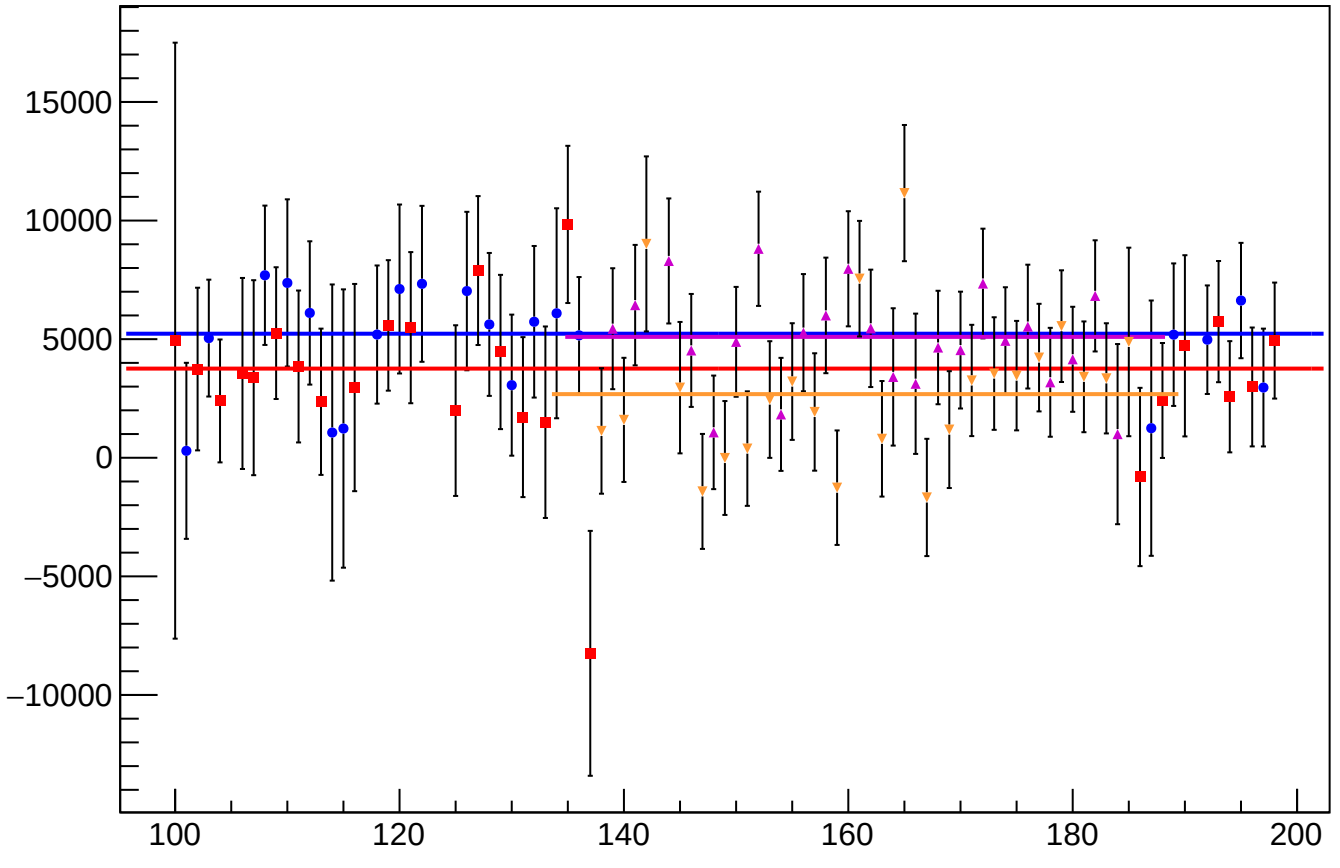
Right: 0.000+/-0.000 χ^2/NDF: 31.9/45

In: -0.000+/-0.000 χ^2/NDF:29.0/43

Out: 0.000+/-0.000 χ^2/NDF:44.1/48

All: -0.000+/-0.000 χ^2/NDF: 74.8/92


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4584827.1/20
Left Out: 0.000+/-0.000 χ²/NDF:5568430.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 5412511.6/24
Left In: 0.000+/-0.000 χ²/NDF:5978033.2/22
Left: 0.000+/-0.000 χ²/NDF: 11550721.9/46
Right: 0.000+/-0.000 χ²/NDF: 10027999.5/45
In: 0.000+/-0.000 χ²/NDF:11727973.9/43
Out: 0.000+/-0.000 χ²/NDF:12532830.9/48
All: 0.000+/-0.000 χ²/NDF: 24272412.5/92



Right In: 5229.957+/-676.942 χ^2/NDF: 7.2/20

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: 3759.150+/-632.567 χ^2/NDF: 16.1/24

Left In: 5096.427+/-516.232 χ^2/NDF:14.9/22

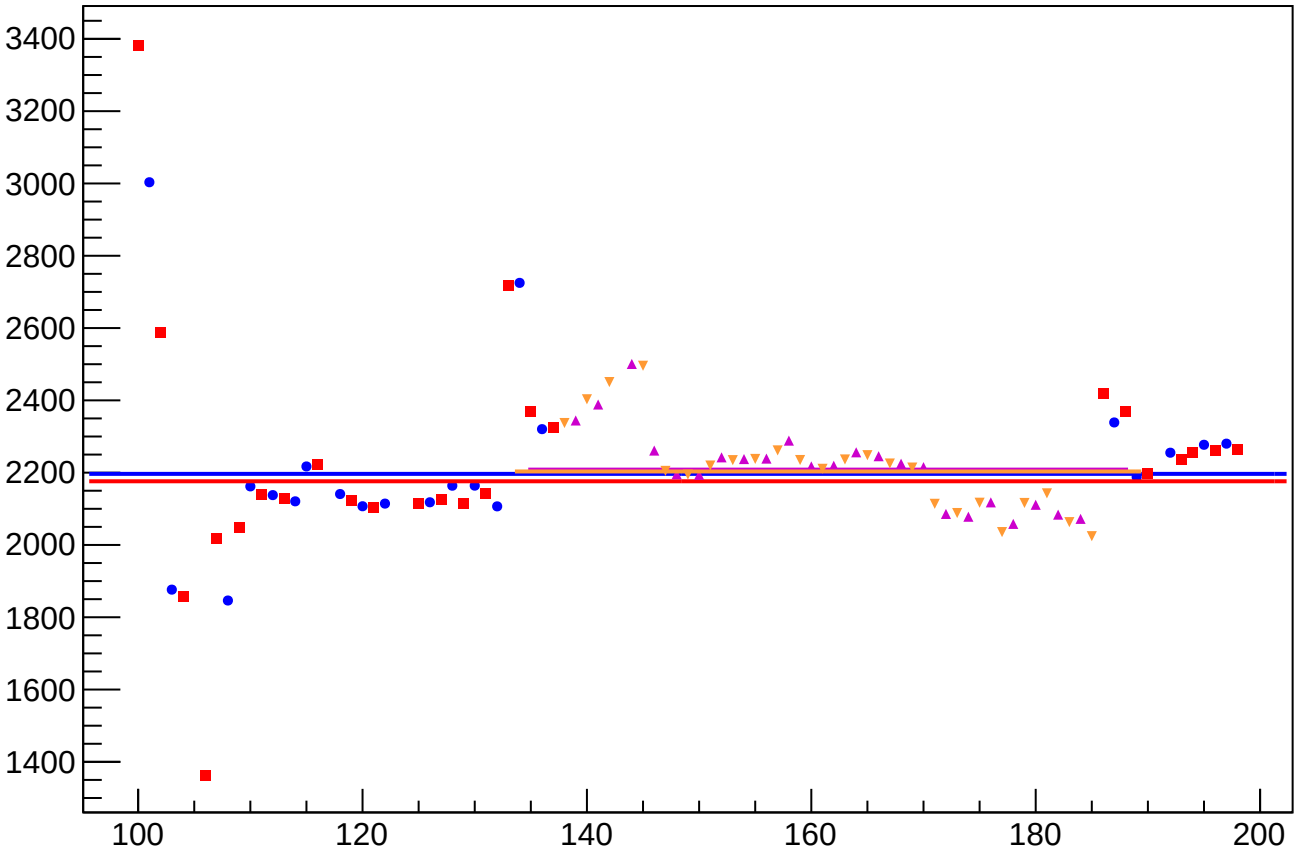
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4444.769+/-462.185 χ^2/NDF: 25.7/45

In: 5145.527+/-410.491 χ^2/NDF:22.1/43

Out: 3108.901+/-397.983 χ^2/NDF:48.6/48

All: 4095.712+/-285.736 χ^2/NDF: 83.4/92



Right In: 2196.644+/-0.479 χ^2/NDF: 205201.0/20

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2176.137+/-0.443 χ^2/NDF: 310440.9/24

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

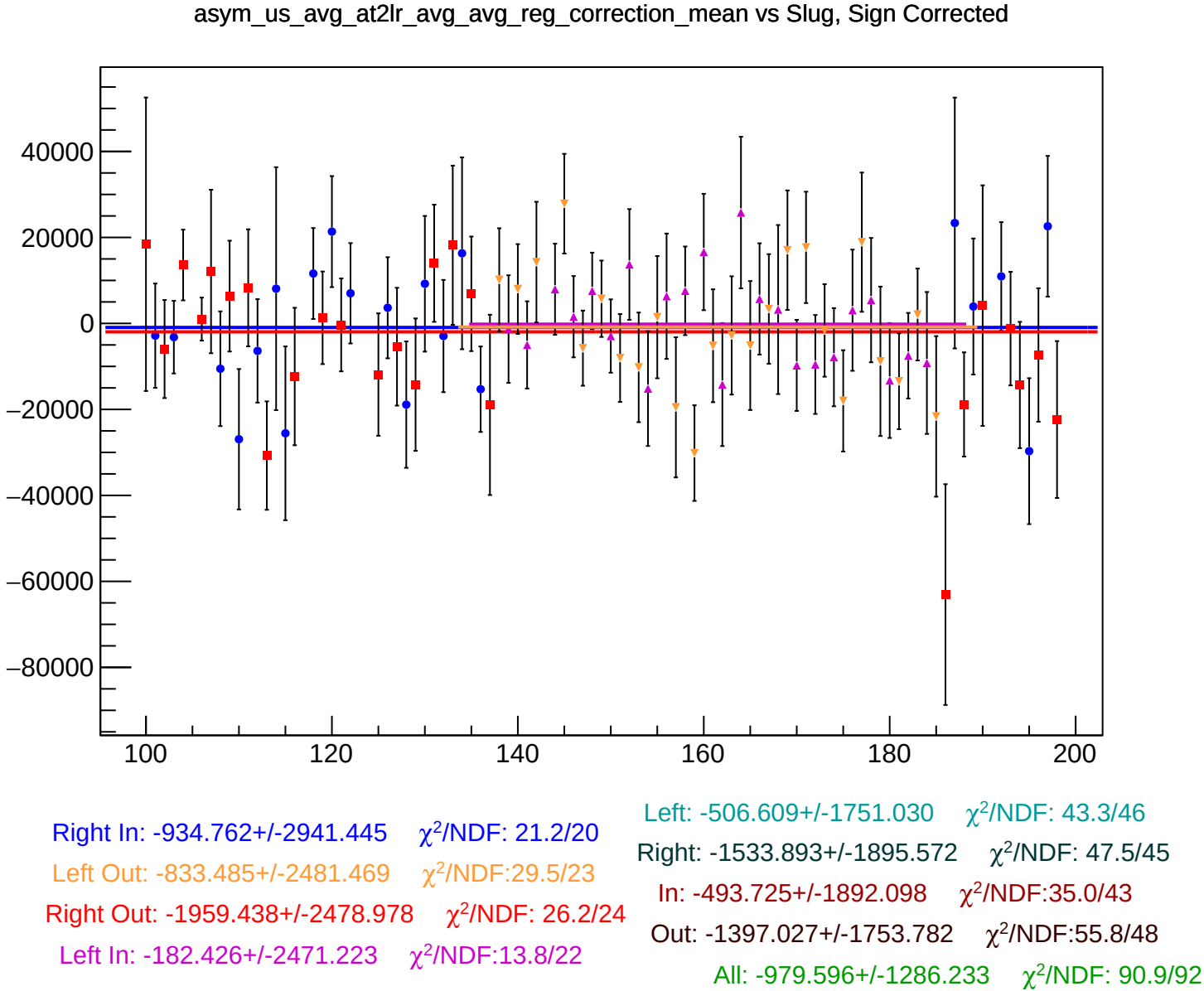
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

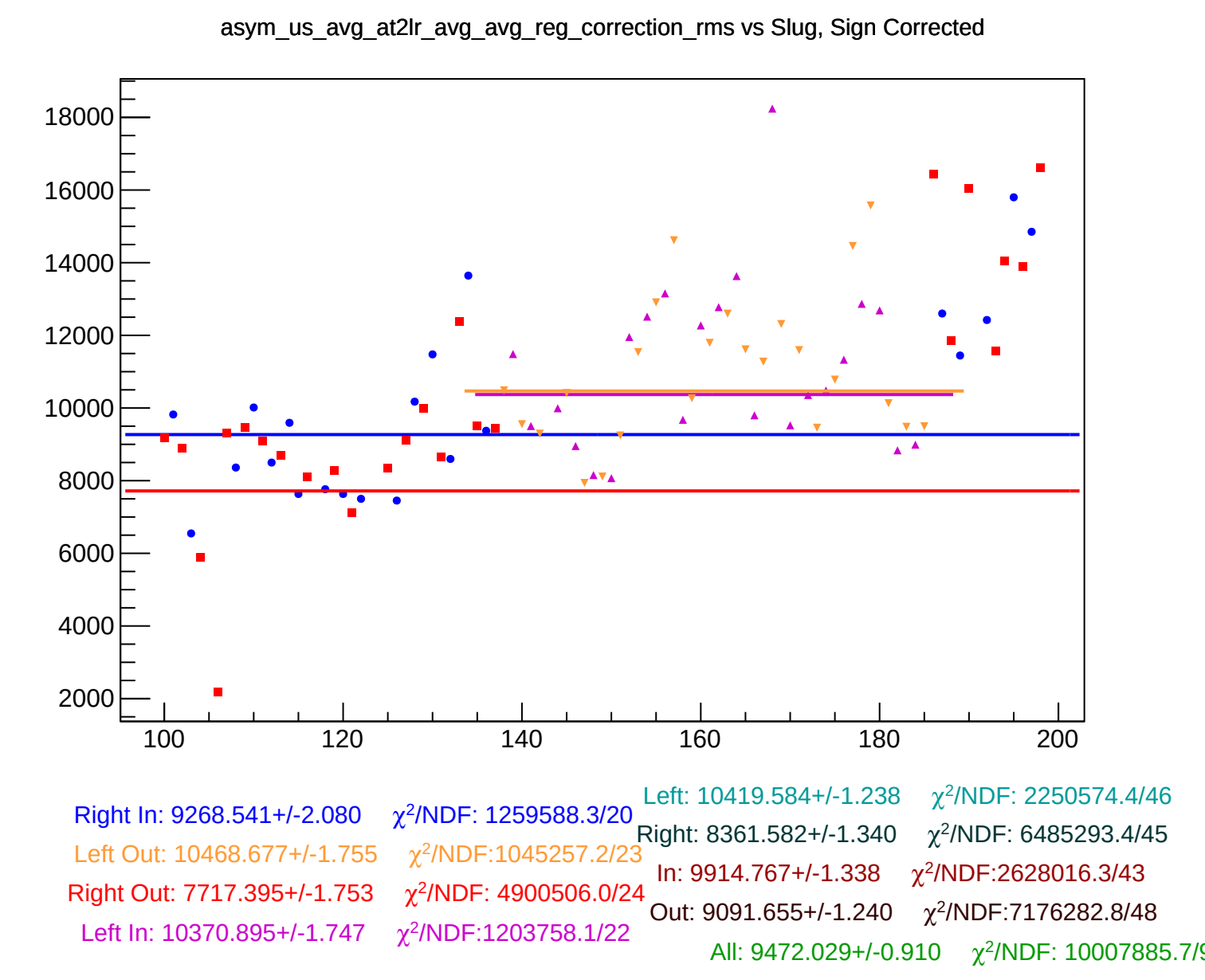
Right: 2185.596+/-0.325 χ^2/NDF: 516630.7/45

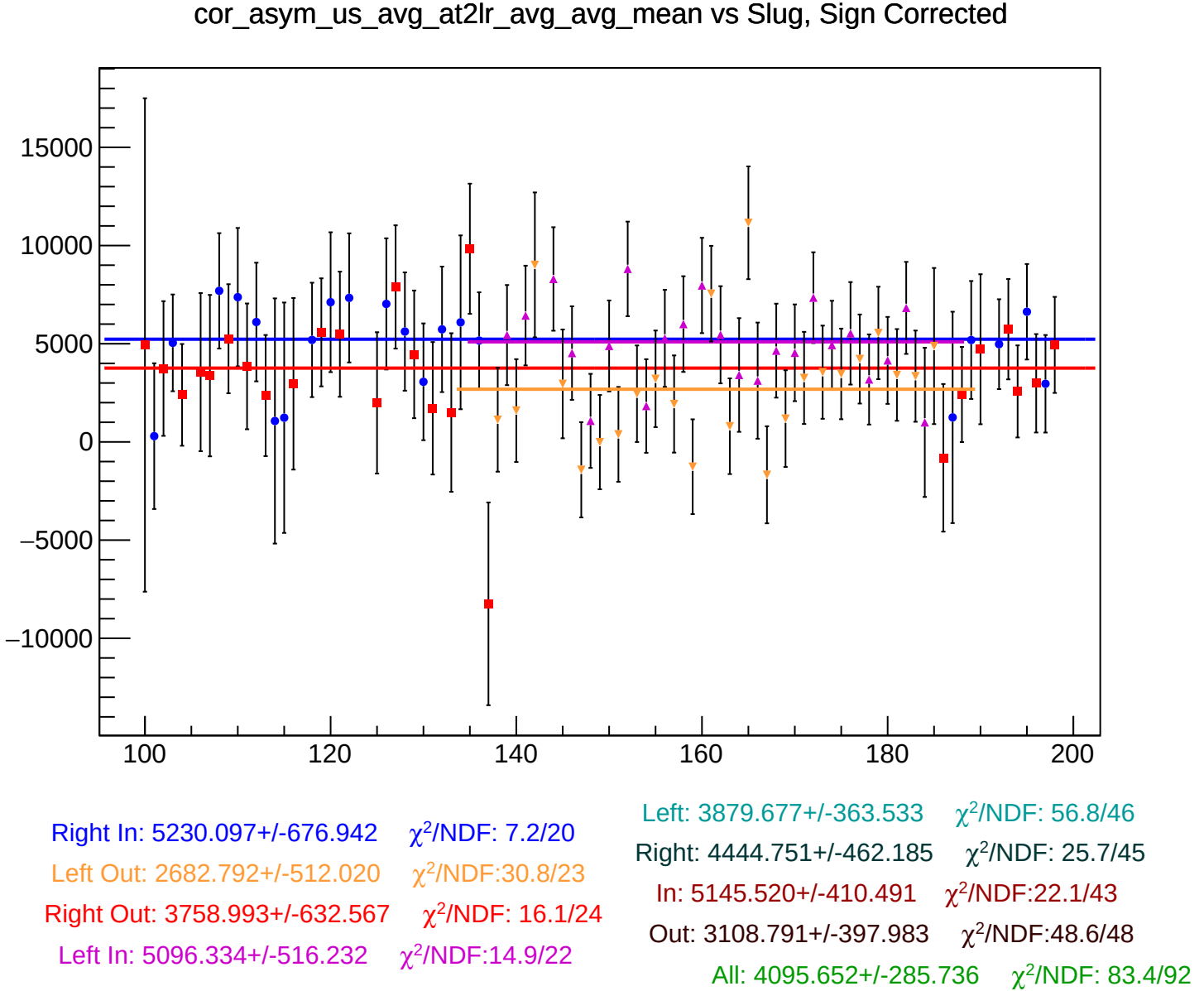
In: 2204.064+/-0.290 χ^2/NDF:286575.4/43

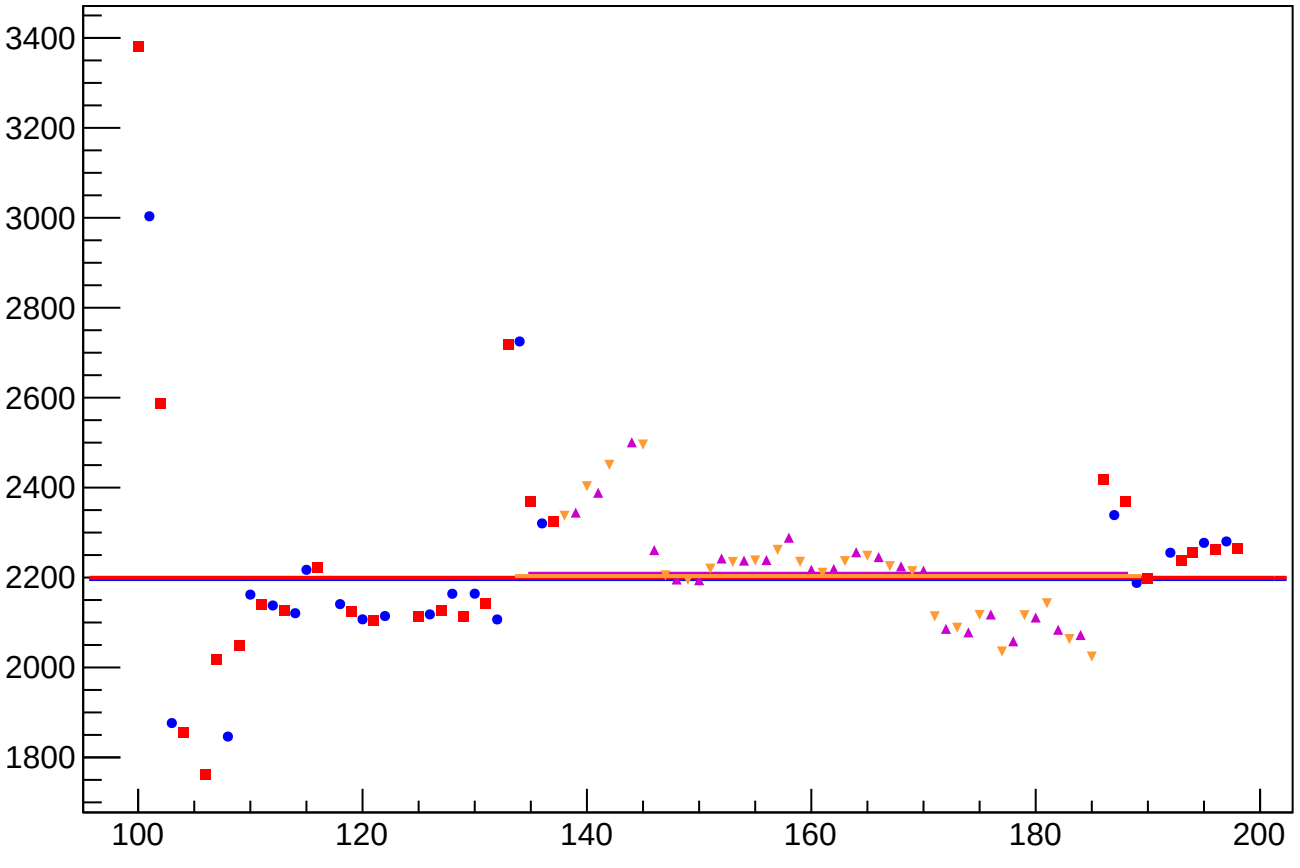
Out: 2192.418+/-0.280 χ^2/NDF:400903.2/48

All: 2198.038+/-0.202 χ^2/NDF: 688311.6/92


asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -934.762+/-2941.445 χ²/NDF: 21.2/20
Left Out: -833.485+/-2481.469 χ²/NDF:29.5/23
Right Out: -1959.438+/-2478.978 χ²/NDF: 26.2/24
Left In: -182.426+/-2471.223 χ²/NDF:13.8/22
Left: -506.609+/-1751.030 χ²/NDF: 43.3/46
Right: -1533.893+/-1895.572 χ²/NDF: 47.5/45
In: -493.725+/-1892.098 χ²/NDF:35.0/43
Out: -1397.027+/-1753.782 χ²/NDF:55.8/48
All: -979.596+/-1286.233 χ²/NDF: 90.9/92


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: 9268.541+/-2.080 χ²/NDF: 1259588.3/20
Left Out: 10468.677+/-1.755 χ²/NDF:1045257.2/23
Right Out: 7717.395+/-1.753 χ²/NDF: 4900506.0/24
Left In: 10370.895+/-1.747 χ²/NDF:1203758.1/22
Left: 10419.584+/-1.238 χ²/NDF: 2250574.4/46
Right: 8361.582+/-1.340 χ²/NDF: 6485293.4/45
In: 9914.767+/-1.338 χ²/NDF:2628016.3/43
Out: 9091.655+/-1.240 χ²/NDF:7176282.8/48
All: 9472.029+/-0.910 χ²/NDF: 10007885.7/9


cor_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 5230.097+/-676.942 χ²/NDF: 7.2/20
Left Out: 2682.792+/-512.020 χ²/NDF:30.8/23
Right Out: 3758.993+/-632.567 χ²/NDF: 16.1/24
Left In: 5096.334+/-516.232 χ²/NDF:14.9/22
Left: 3879.677+/-363.533 χ²/NDF: 56.8/46
Right: 4444.751+/-462.185 χ²/NDF: 25.7/45
In: 5145.520+/-410.491 χ²/NDF:22.1/43
Out: 3108.791+/-397.983 χ²/NDF:48.6/48
All: 4095.652+/-285.736 χ²/NDF: 83.4/92



Right In: 2196.644+/-0.479 χ^2/NDF: 205201.4/20

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2199.453+/-0.446 χ^2/NDF: 187035.9/24

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

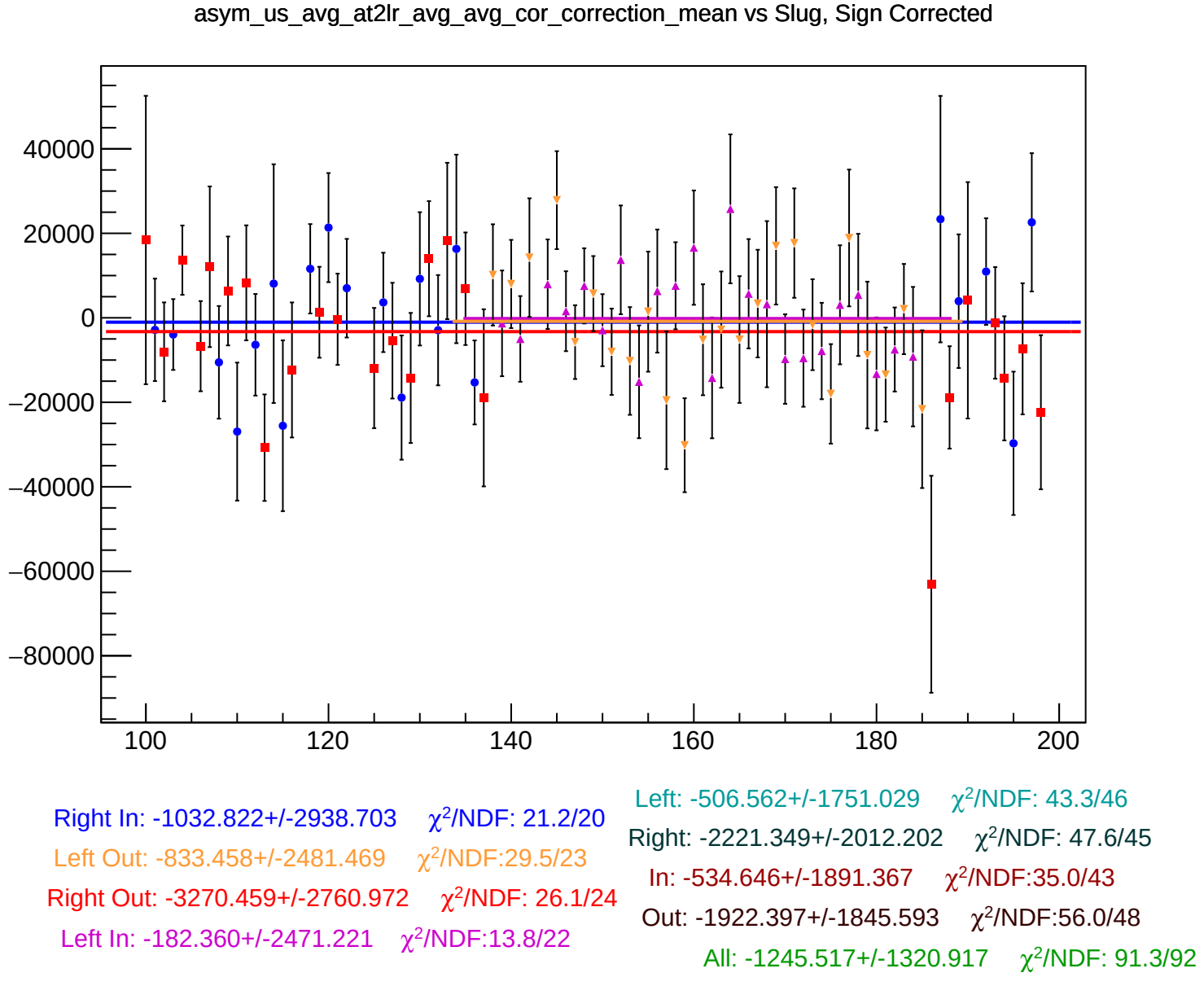
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

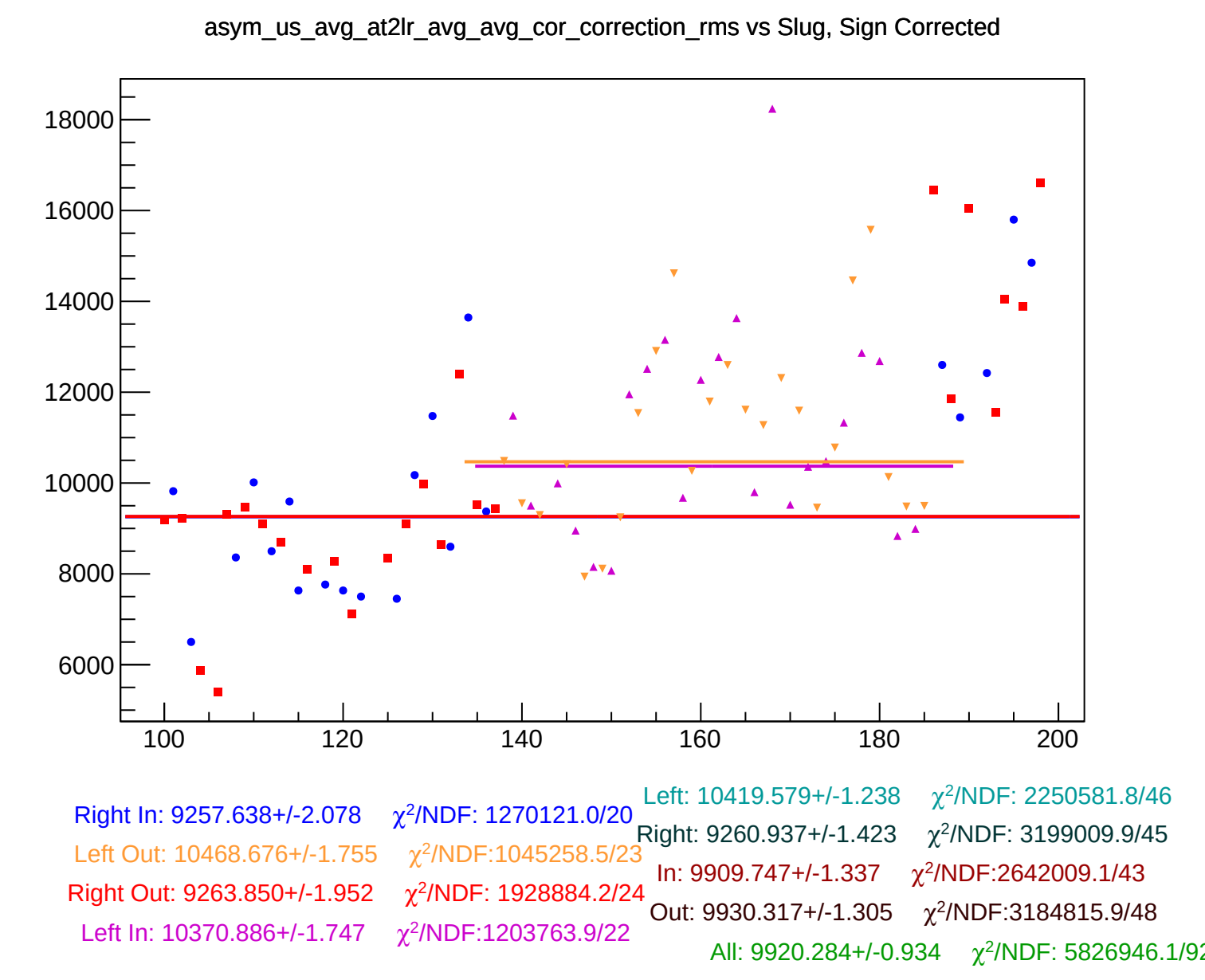
Right: 2198.148+/-0.326 χ^2/NDF: 392255.7/45

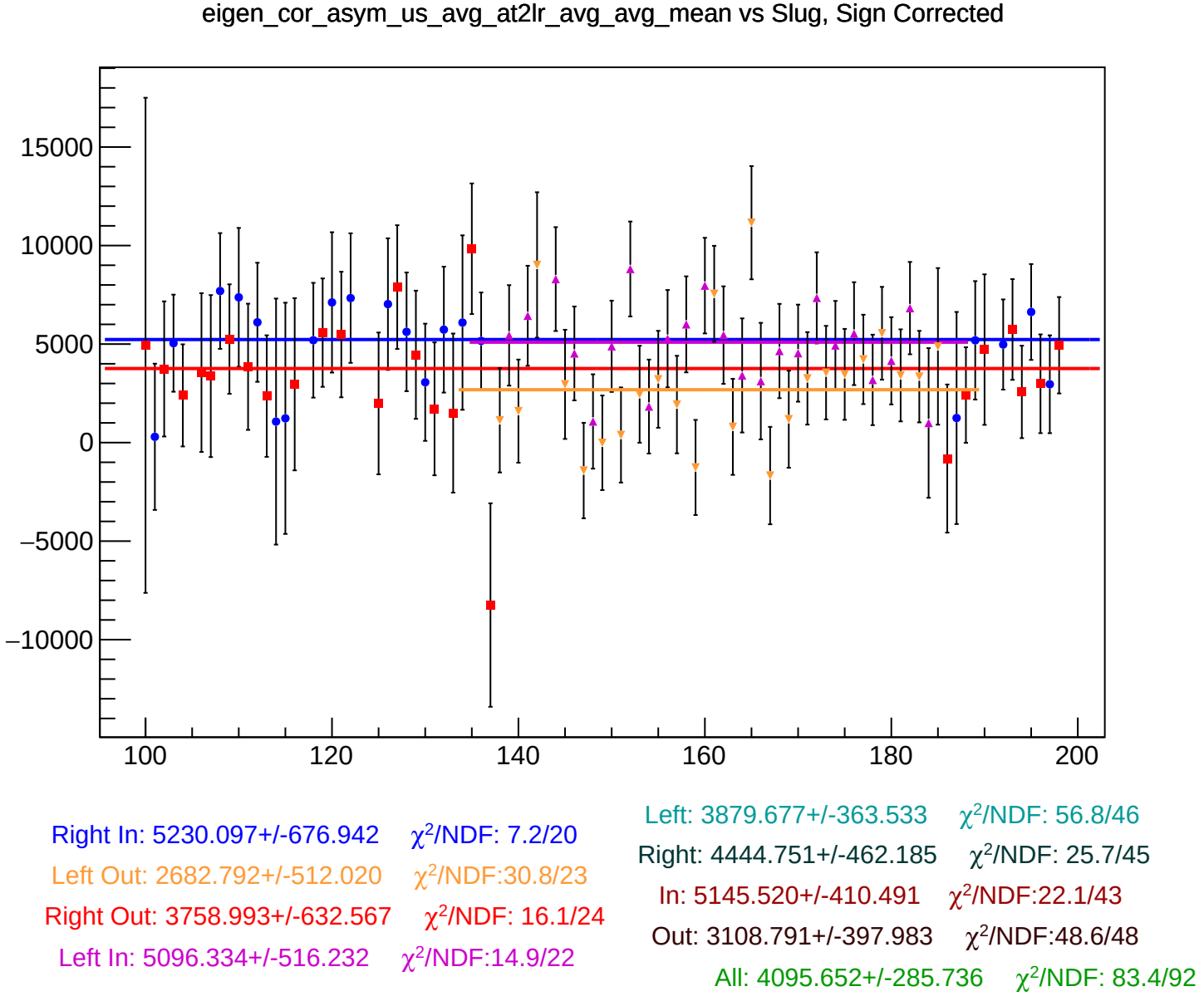
In: 2204.064+/-0.290 χ^2/NDF:286575.8/43

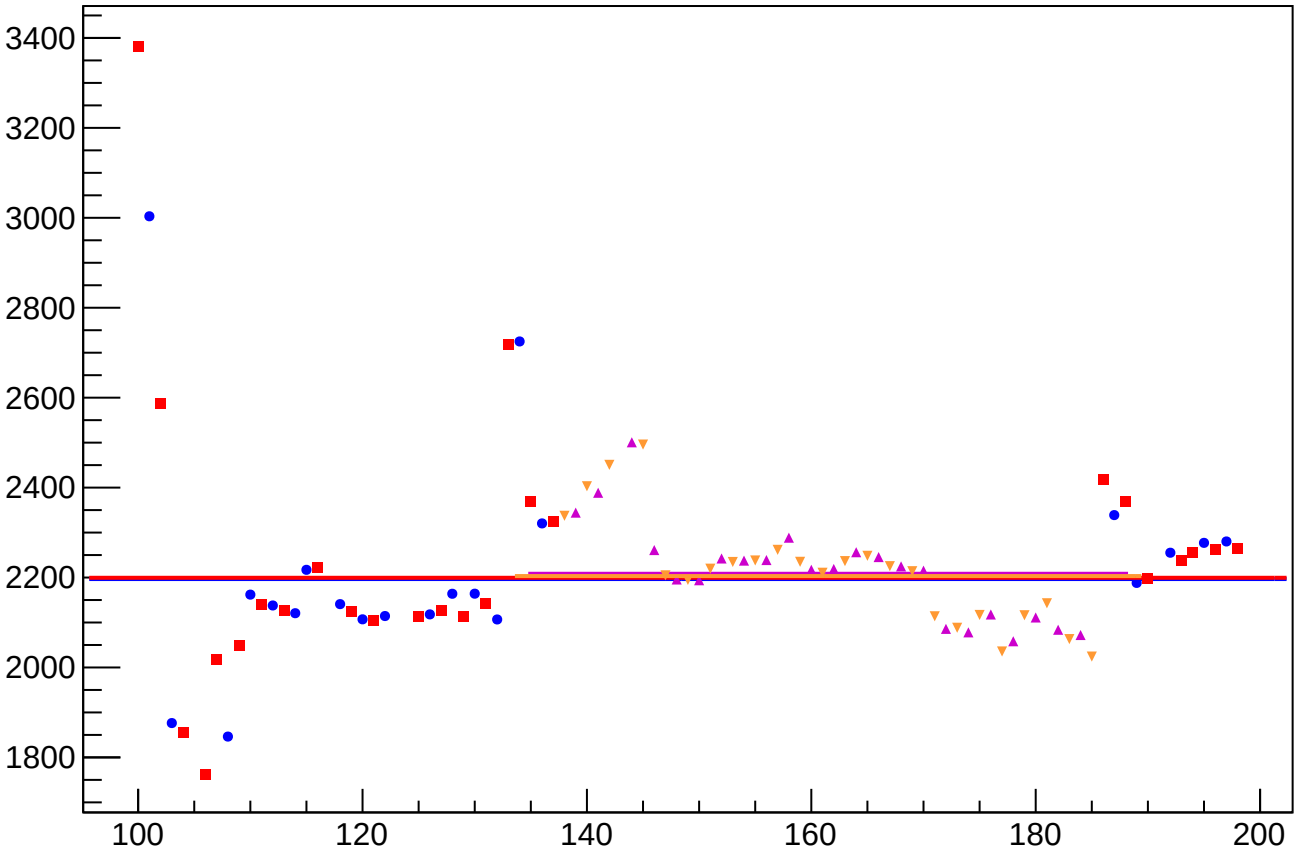
Out: 2201.769+/-0.281 χ^2/NDF:275288.9/48

All: 2202.880+/-0.202 χ^2/NDF: 561897.0/92


asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -1032.822+/-2938.703 χ²/NDF: 21.2/20
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: -3270.459+/-2760.972 χ²/NDF: 26.1/24
Left In: -182.360+/-2471.221 χ²/NDF:13.8/22
Left: -506.562+/-1751.029 χ²/NDF: 43.3/46
Right: -2221.349+/-2012.202 χ²/NDF: 47.6/45
In: -534.646+/-1891.367 χ²/NDF:35.0/43
Out: -1922.397+/-1845.593 χ²/NDF:56.0/48
All: -1245.517+/-1320.917 χ²/NDF: 91.3/92


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: 9257.638+/-2.078 χ²/NDF: 1270121.0/20
Left Out: 10468.676+/-1.755 χ²/NDF:1045258.5/23
Right Out: 9263.850+/-1.952 χ²/NDF: 1928884.2/24
Left In: 10370.886+/-1.747 χ²/NDF:1203763.9/22
Left: 10419.579+/-1.238 χ²/NDF: 2250581.8/46
Right: 9260.937+/-1.423 χ²/NDF: 3199009.9/45
In: 9909.747+/-1.337 χ²/NDF:2642009.1/43
Out: 9930.317+/-1.305 χ²/NDF:3184815.9/48
All: 9920.284+/-0.934 χ²/NDF: 5826946.1/92


eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 5230.097+/-676.942 χ²/NDF: 7.2/20
Left Out: 2682.792+/-512.020 χ²/NDF:30.8/23
Right Out: 3758.993+/-632.567 χ²/NDF: 16.1/24
Left In: 5096.334+/-516.232 χ²/NDF:14.9/22
Left: 3879.677+/-363.533 χ²/NDF: 56.8/46
Right: 4444.751+/-462.185 χ²/NDF: 25.7/45
In: 5145.520+/-410.491 χ²/NDF:22.1/43
Out: 3108.791+/-397.983 χ²/NDF:48.6/48
All: 4095.652+/-285.736 χ²/NDF: 83.4/92



Right In: 2196.644+/-0.479 χ^2/NDF: 205201.4/20

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2199.453+/-0.446 χ^2/NDF: 187035.9/24

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

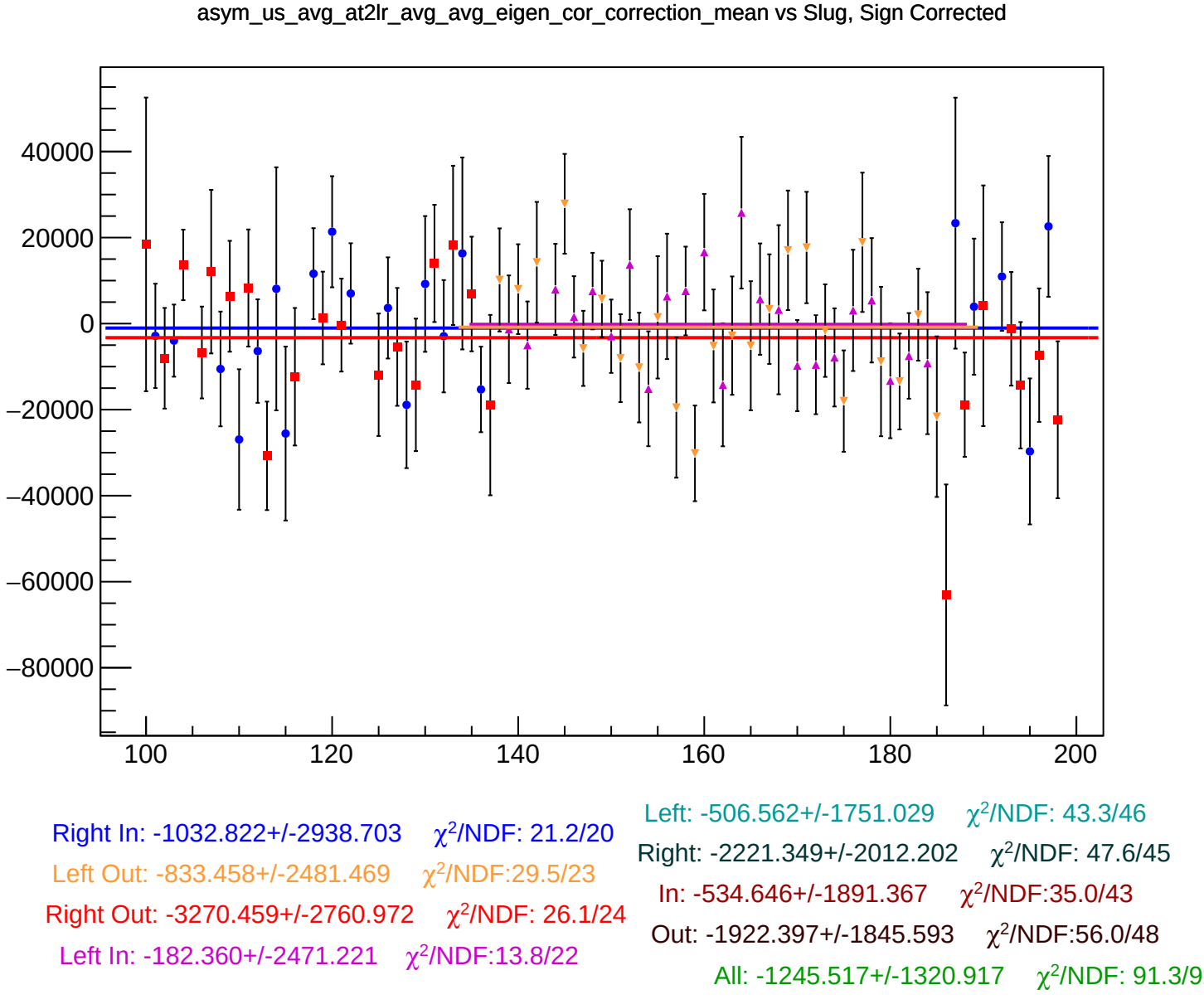
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

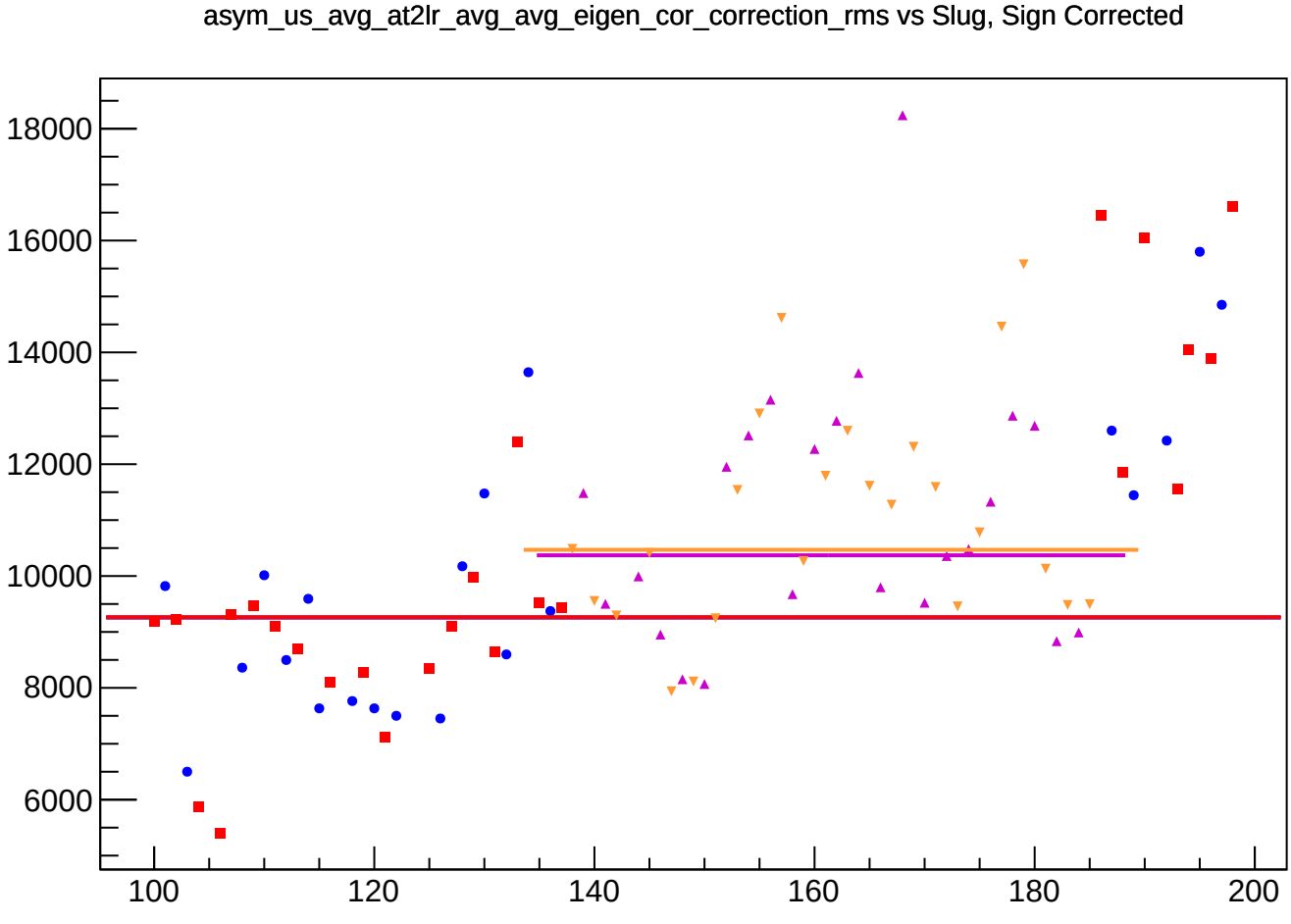
Right: 2198.148+/-0.326 χ^2/NDF: 392255.7/45

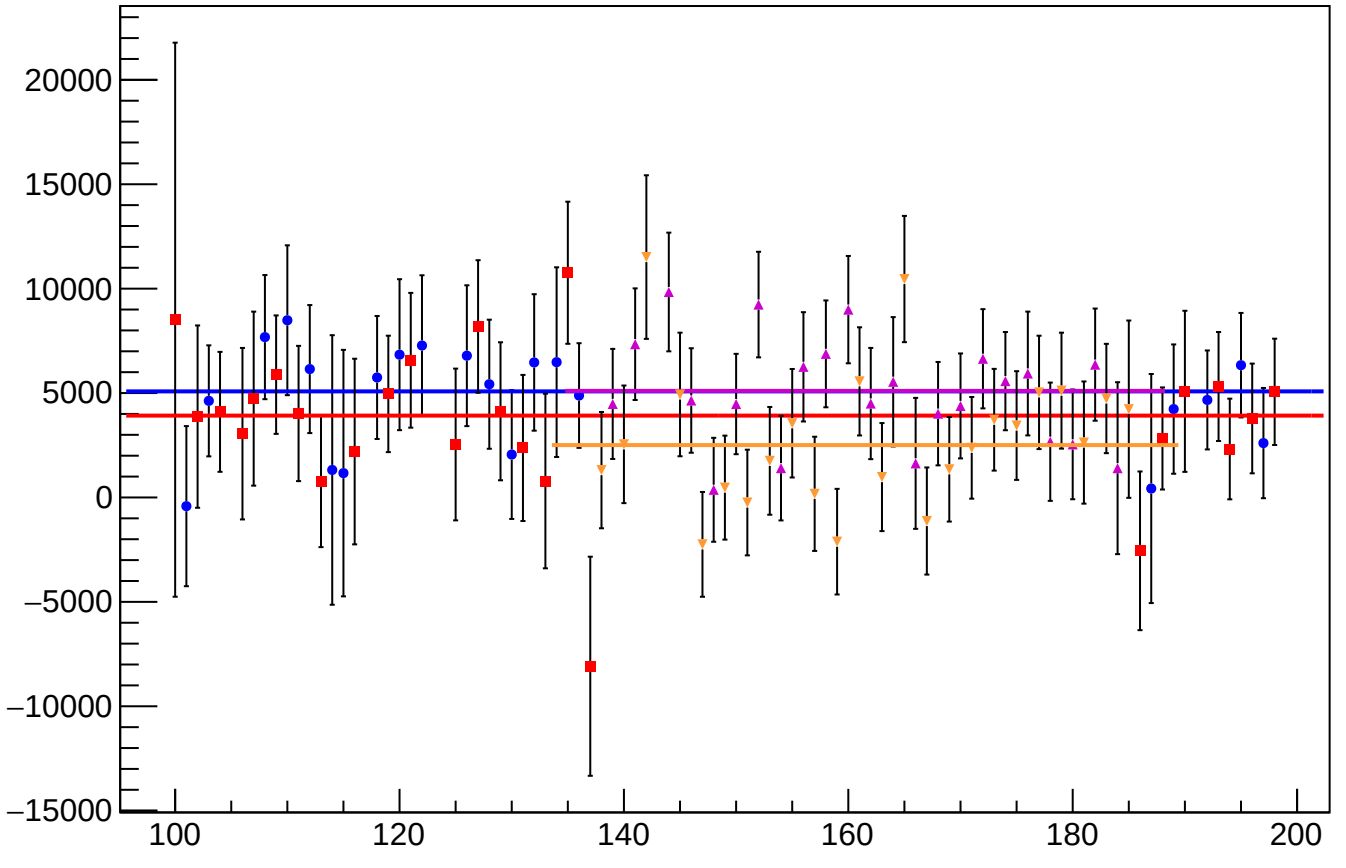
In: 2204.064+/-0.290 χ^2/NDF:286575.8/43

Out: 2201.769+/-0.281 χ^2/NDF:275288.9/48

All: 2202.880+/-0.202 χ^2/NDF: 561897.0/92


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -1032.822+/-2938.703 χ²/NDF: 21.2/20
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: -3270.459+/-2760.972 χ²/NDF: 26.1/24
Left In: -182.360+/-2471.221 χ²/NDF:13.8/22
Left: -506.562+/-1751.029 χ²/NDF: 43.3/46
Right: -2221.349+/-2012.202 χ²/NDF: 47.6/45
In: -534.646+/-1891.367 χ²/NDF:35.0/43
Out: -1922.397+/-1845.593 χ²/NDF:56.0/48
All: -1245.517+/-1320.917 χ²/NDF: 91.3/92


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
Right In: 9257.638+/-2.078 χ²/NDF: 1270121.0/20
Left Out: 10468.676+/-1.755 χ²/NDF:1045258.5/23
Right Out: 9263.850+/-1.952 χ²/NDF: 1928884.2/24
Left In: 10370.886+/-1.747 χ²/NDF:1203763.9/22
Left: 10419.579+/-1.238 χ²/NDF: 2250581.8/46
Right: 9260.937+/-1.423 χ²/NDF: 3199009.9/45
In: 9909.747+/-1.337 χ²/NDF:2642009.1/43
Out: 9930.317+/-1.305 χ²/NDF:3184815.9/48
All: 9920.284+/-0.934 χ²/NDF: 5826946.1/92



Right In: 5080.549+/-697.140 χ^2/NDF: 8.8/20

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: 3920.032+/-653.546 χ^2/NDF: 18.8/24

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

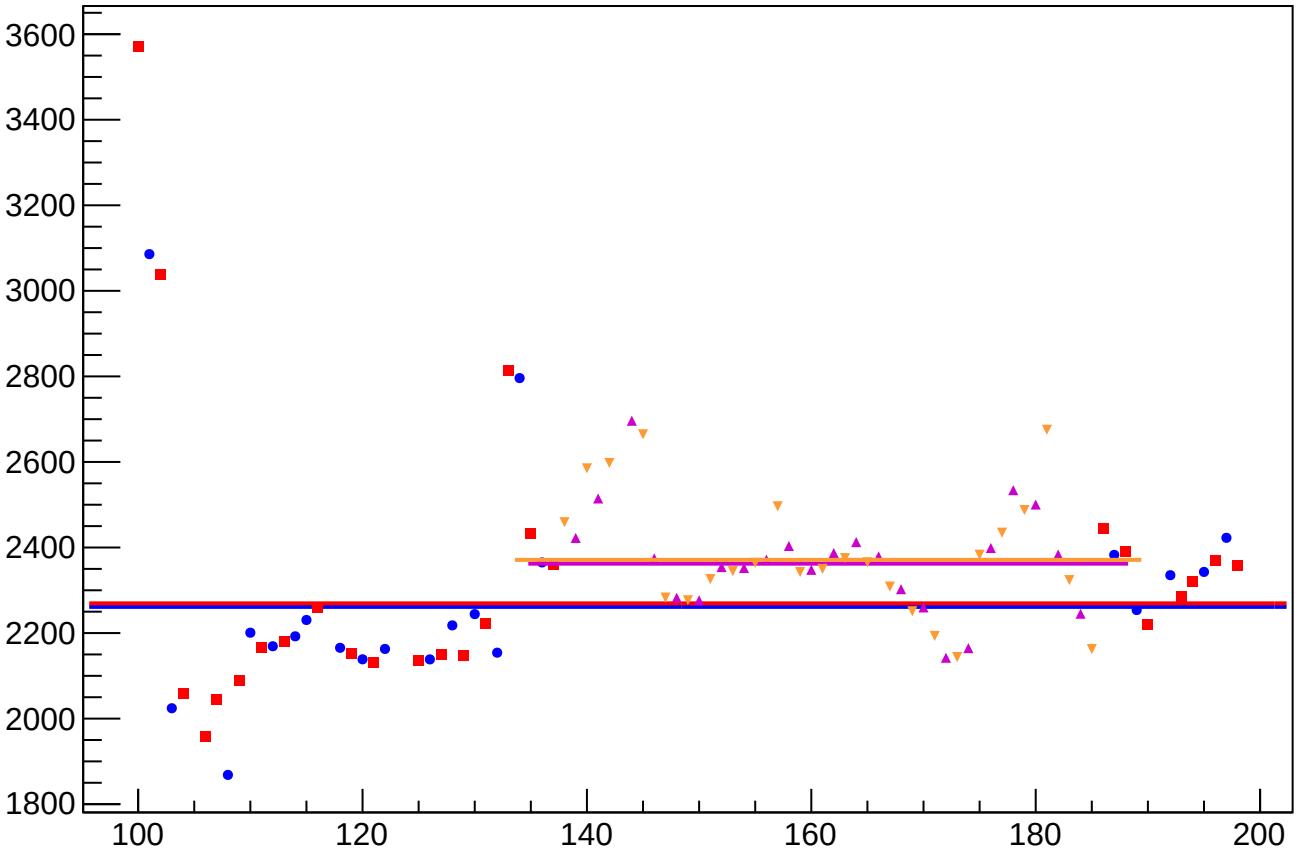
Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

Right: 4462.874+/-476.794 χ^2/NDF: 29.1/45

In: 5094.333+/-433.044 χ^2/NDF:28.7/43

Out: 3095.989+/-421.529 χ^2/NDF:51.3/48

All: 4068.239+/-302.055 χ^2/NDF: 90.9/92



Right In: 2261.219+/-0.493 χ^2/NDF: 201091.9/20

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

Right Out: 2269.437+/-0.462 χ^2/NDF: 192251.9/24

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

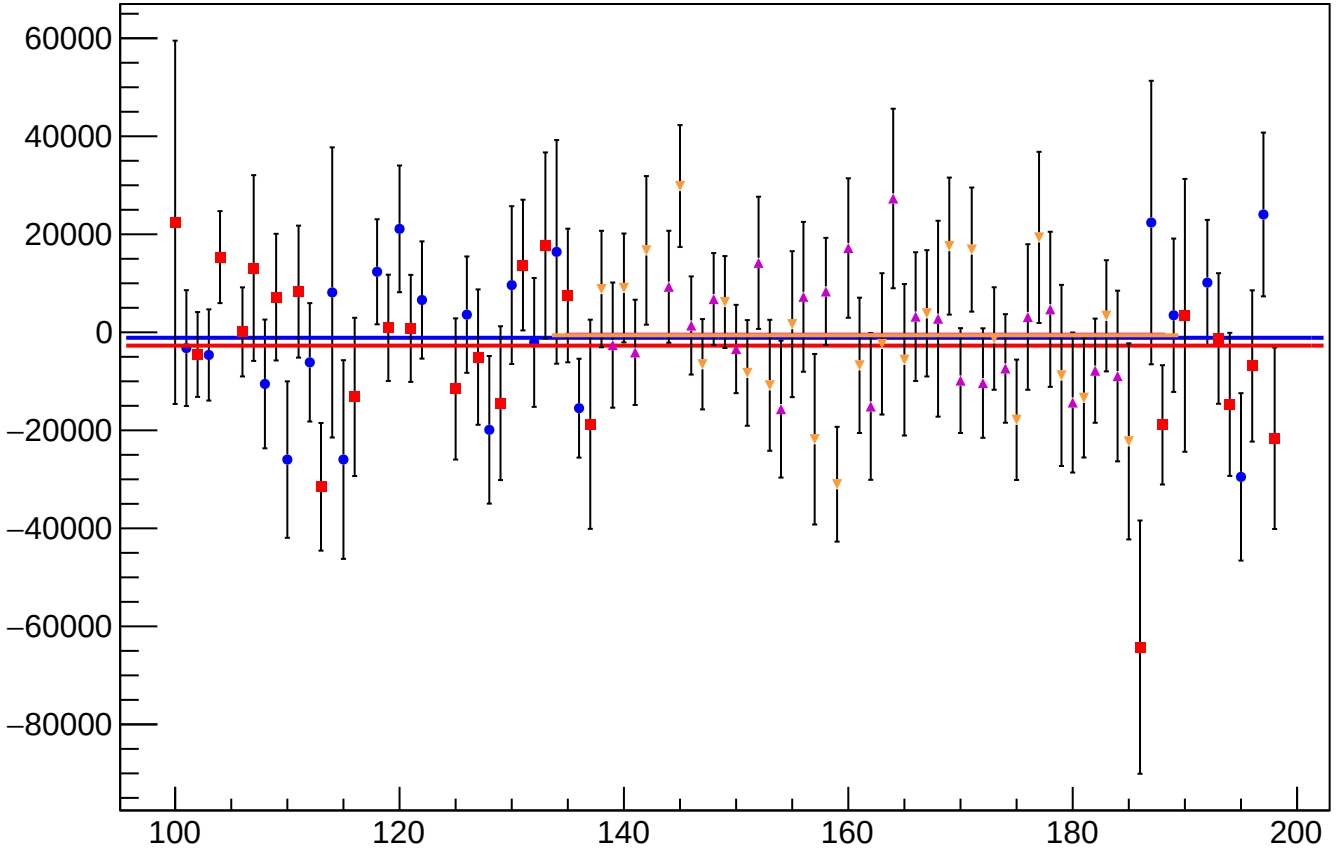
Right: 2265.595+/-0.337 χ^2/NDF: 393491.8/45

In: 2323.247+/-0.306 χ^2/NDF:318769.2/43

Out: 2328.810+/-0.298 χ^2/NDF:336843.5/48

All: 2326.104+/-0.214 χ^2/NDF: 655782.2/92

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1117.333+/-2990.521 χ^2/NDF: 21.2/20

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

Right Out: -2715.232+/-2716.432 χ^2/NDF: 25.8/24

Left In: -490.044+/-2577.213 χ^2/NDF:13.5/22

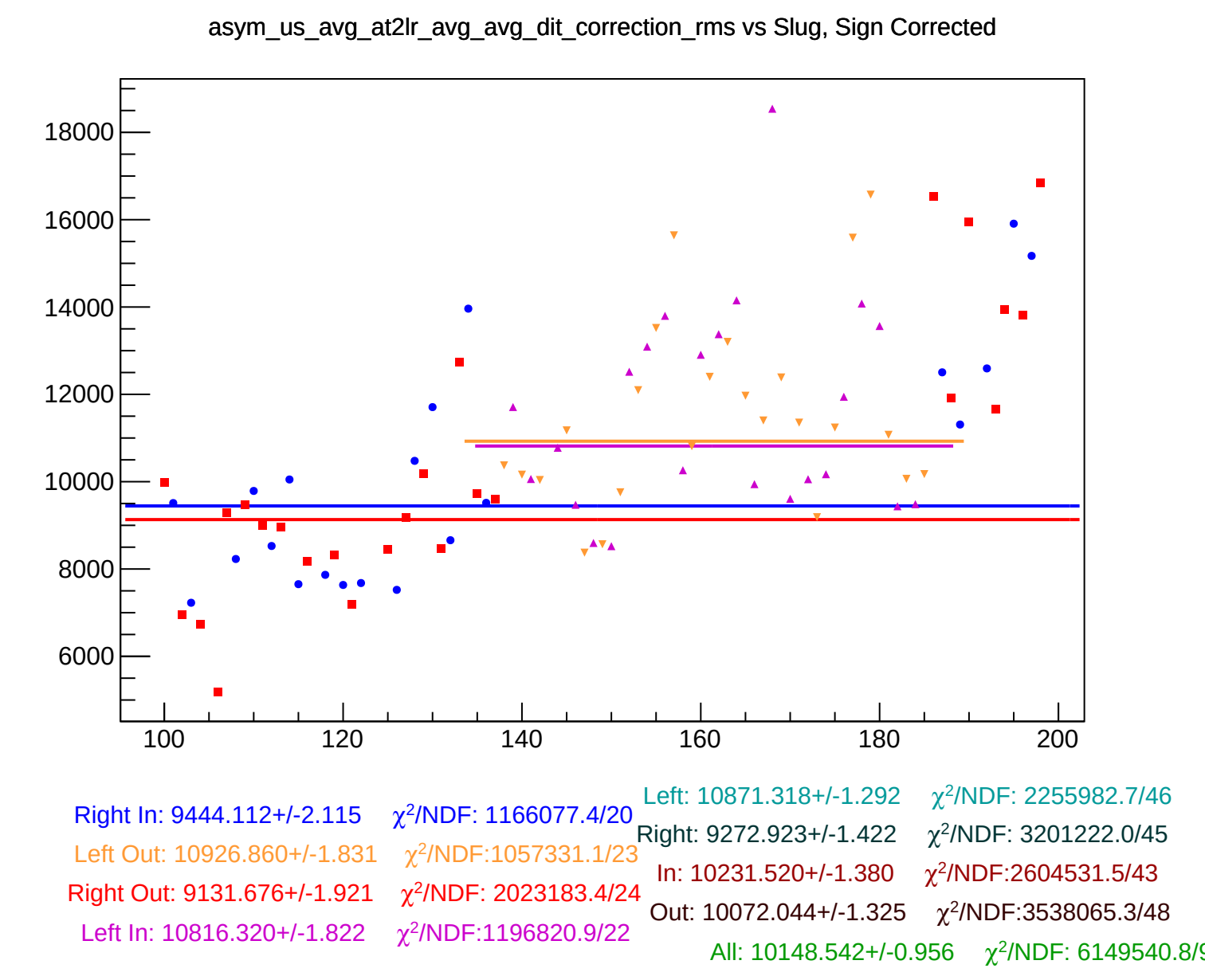
Left: -548.873+/-1826.841 χ^2/NDF: 42.4/46

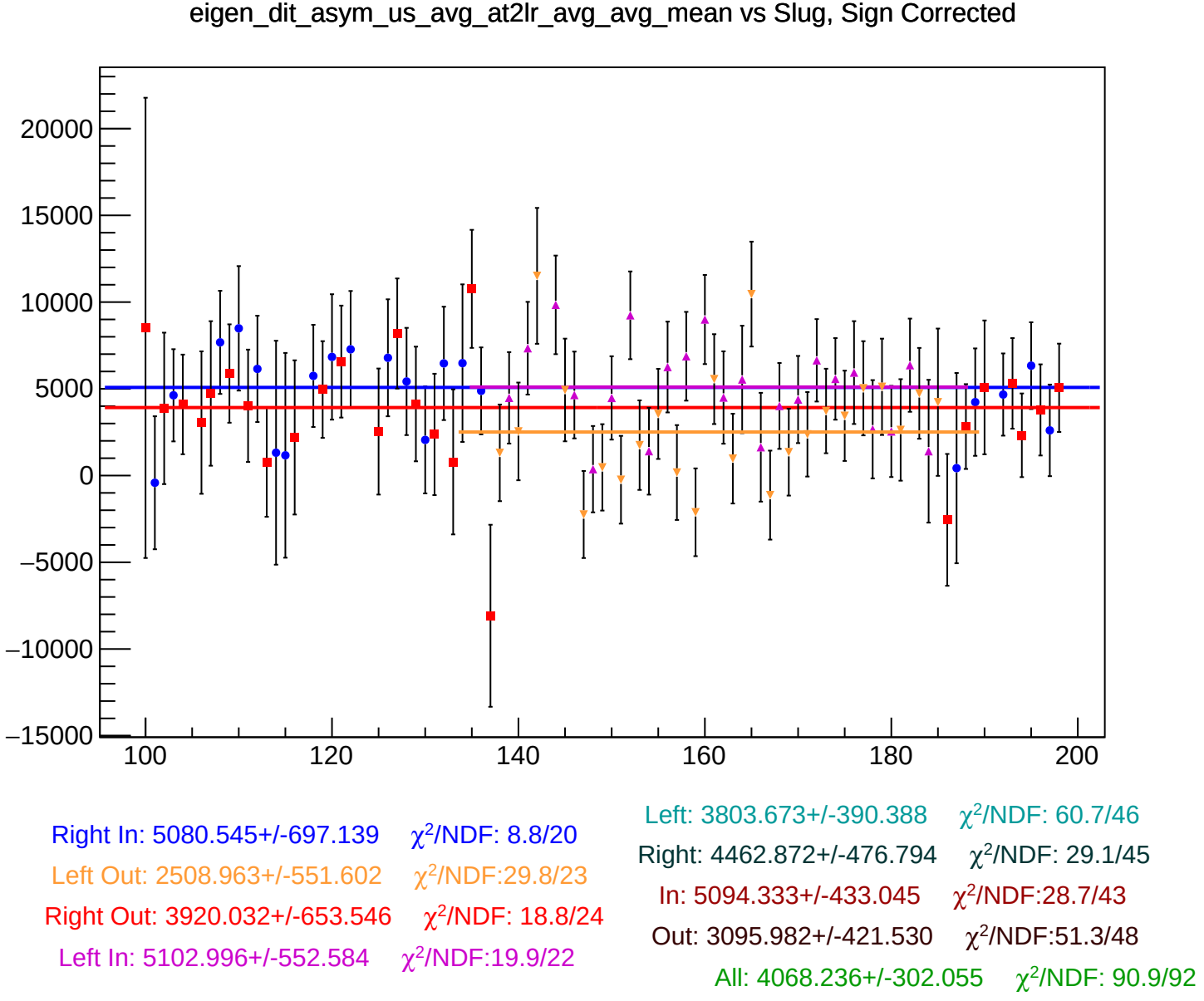
Right: -1992.848+/-2010.741 χ^2/NDF: 47.2/45

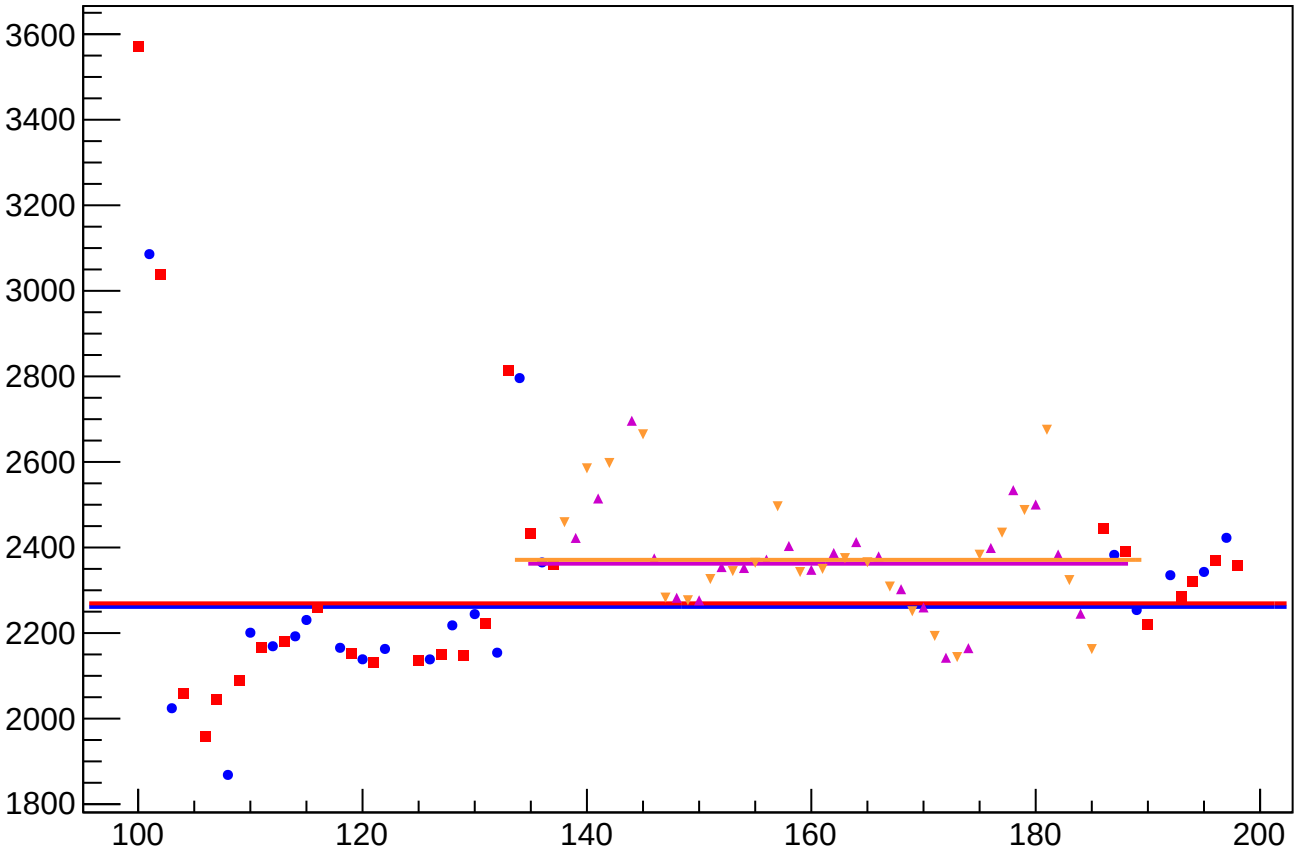
In: -757.378+/-1952.272 χ^2/NDF:34.7/43

Out: -1611.553+/-1874.480 χ^2/NDF:55.0/48

All: -1201.823+/-1352.123 χ^2/NDF: 89.9/92


asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
Right In: 9444.112+/-2.115 χ²/NDF: 1166077.4/20
Left Out: 10926.860+/-1.831 χ²/NDF:1057331.1/23
Right Out: 9131.676+/-1.921 χ²/NDF: 2023183.4/24
Left In: 10816.320+/-1.822 χ²/NDF:1196820.9/22
Left: 10871.318+/-1.292 χ²/NDF: 2255982.7/46
Right: 9272.923+/-1.422 χ²/NDF: 3201222.0/45
In: 10231.520+/-1.380 χ²/NDF:2604531.5/43
Out: 10072.044+/-1.325 χ²/NDF:3538065.3/48
All: 10148.542+/-0.956 χ²/NDF: 6149540.8/9


eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 5080.545+/-697.139 χ²/NDF: 8.8/20
Left Out: 2508.963+/-551.602 χ²/NDF:29.8/23
Right Out: 3920.032+/-653.546 χ²/NDF: 18.8/24
Left In: 5102.996+/-552.584 χ²/NDF:19.9/22
Left: 3803.673+/-390.388 χ²/NDF: 60.7/46
Right: 4462.872+/-476.794 χ²/NDF: 29.1/45
In: 5094.333+/-433.045 χ²/NDF:28.7/43
Out: 3095.982+/-421.530 χ²/NDF:51.3/48
All: 4068.236+/-302.055 χ²/NDF: 90.9/92



Right In: 2261.219+/-0.493 χ^2/NDF: 201092.3/20

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

Right Out: 2269.437+/-0.462 χ^2/NDF: 192252.2/24

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

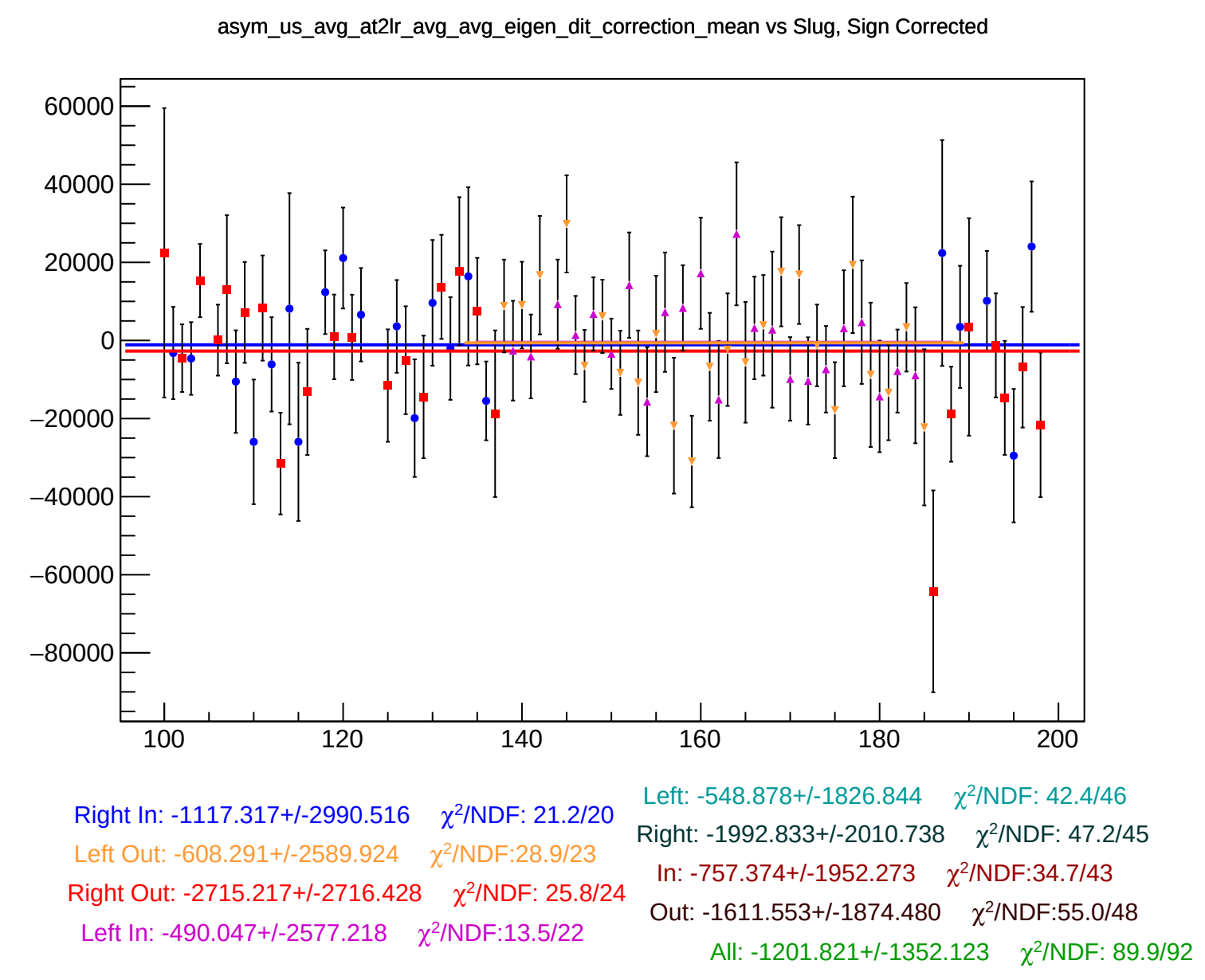
Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

Right: 2265.594+/-0.337 χ^2/NDF: 393492.4/45

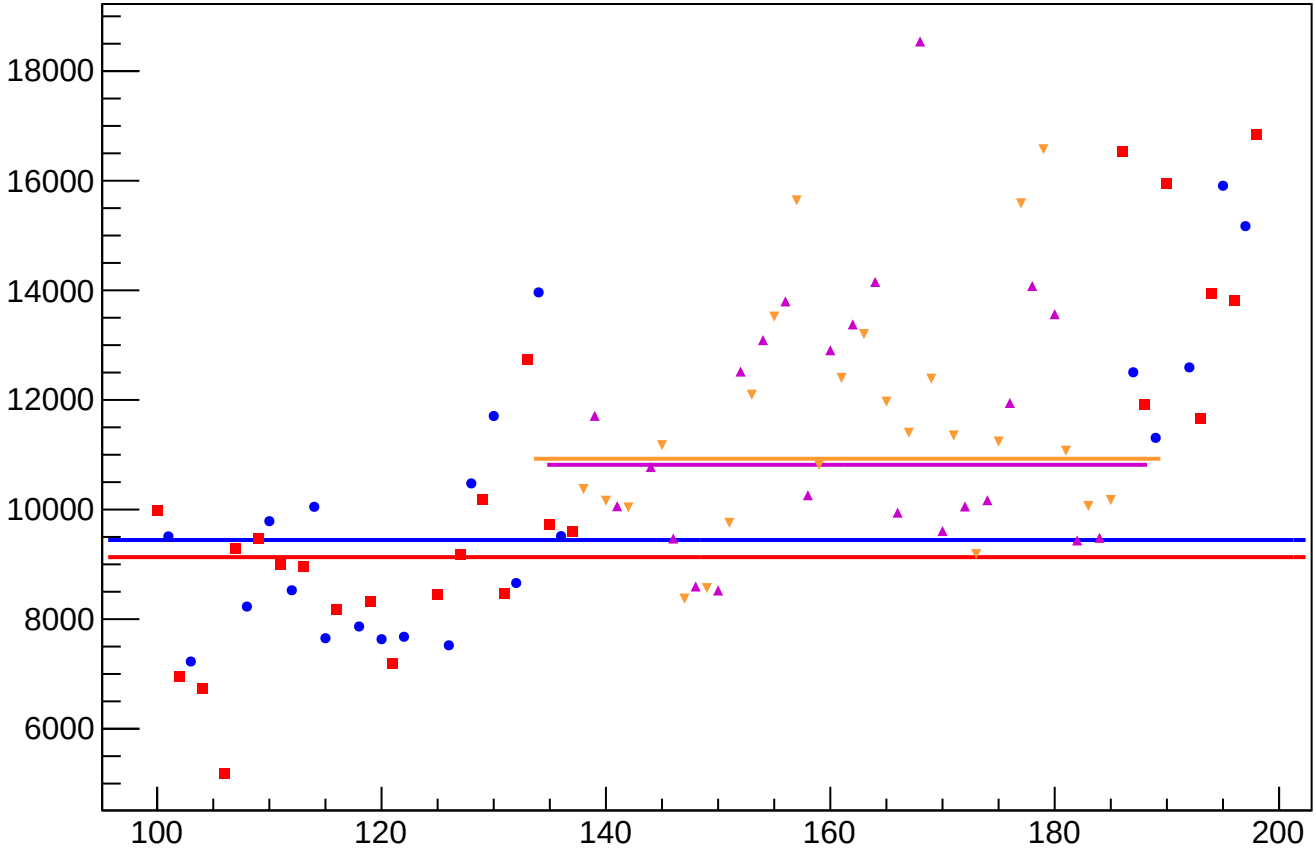
In: 2323.249+/-0.306 χ^2/NDF:318776.2/43

Out: 2328.812+/-0.298 χ^2/NDF:336850.0/48

All: 2326.106+/-0.214 χ^2/NDF: 655795.7/92


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -1117.317+/-2990.516 χ²/NDF: 21.2/20
Left Out: -608.291+/-2589.924 χ²/NDF:28.9/23
Right Out: -2715.217+/-2716.428 χ²/NDF: 25.8/24
Left In: -490.047+/-2577.218 χ²/NDF:13.5/22
Left: -548.878+/-1826.844 χ²/NDF: 42.4/46
Right: -1992.833+/-2010.738 χ²/NDF: 47.2/45
In: -757.374+/-1952.273 χ²/NDF:34.7/43
Out: -1611.553+/-1874.480 χ²/NDF:55.0/48
All: -1201.821+/-1352.123 χ²/NDF: 89.9/92

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 9444.092+/-2.115 χ^2/NDF: 1166090.6/20

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 9131.659+/-1.921 χ^2/NDF: 2023194.4/24

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

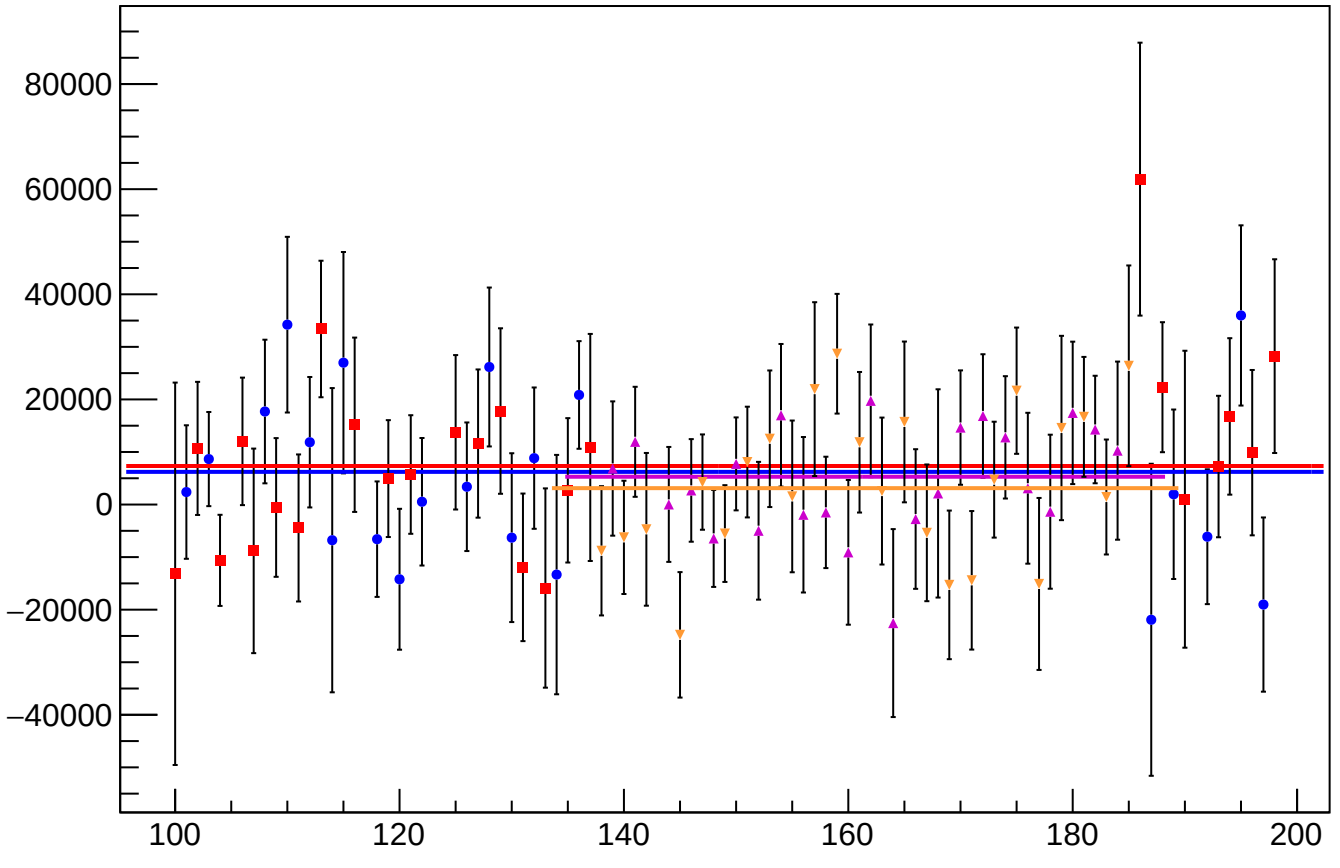
Left: 10871.336+/-1.292 χ^2/NDF: 2255988.7/46

Right: 9272.905+/-1.422 χ^2/NDF: 3201245.9/45

In: 10231.519+/-1.380 χ^2/NDF:2604561.2/43

Out: 10072.042+/-1.325 χ^2/NDF:3538096.5/48

All: 10148.540+/-0.956 χ^2/NDF: 6149601.8/9



Right In: 6216.797+/-3039.582 χ^2/NDF: 21.4/20

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: 7333.447+/-2870.033 χ^2/NDF: 22.8/24

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

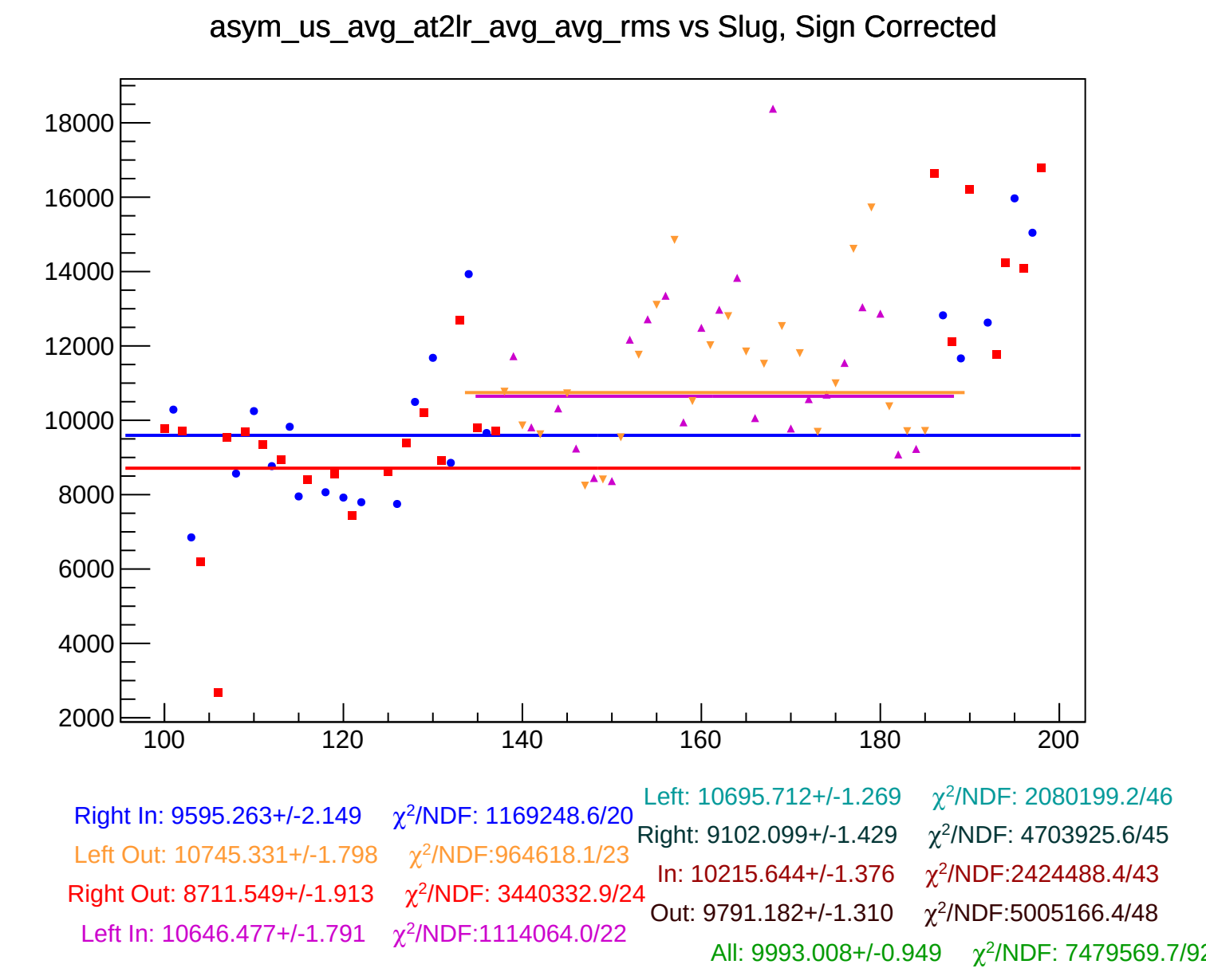
Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

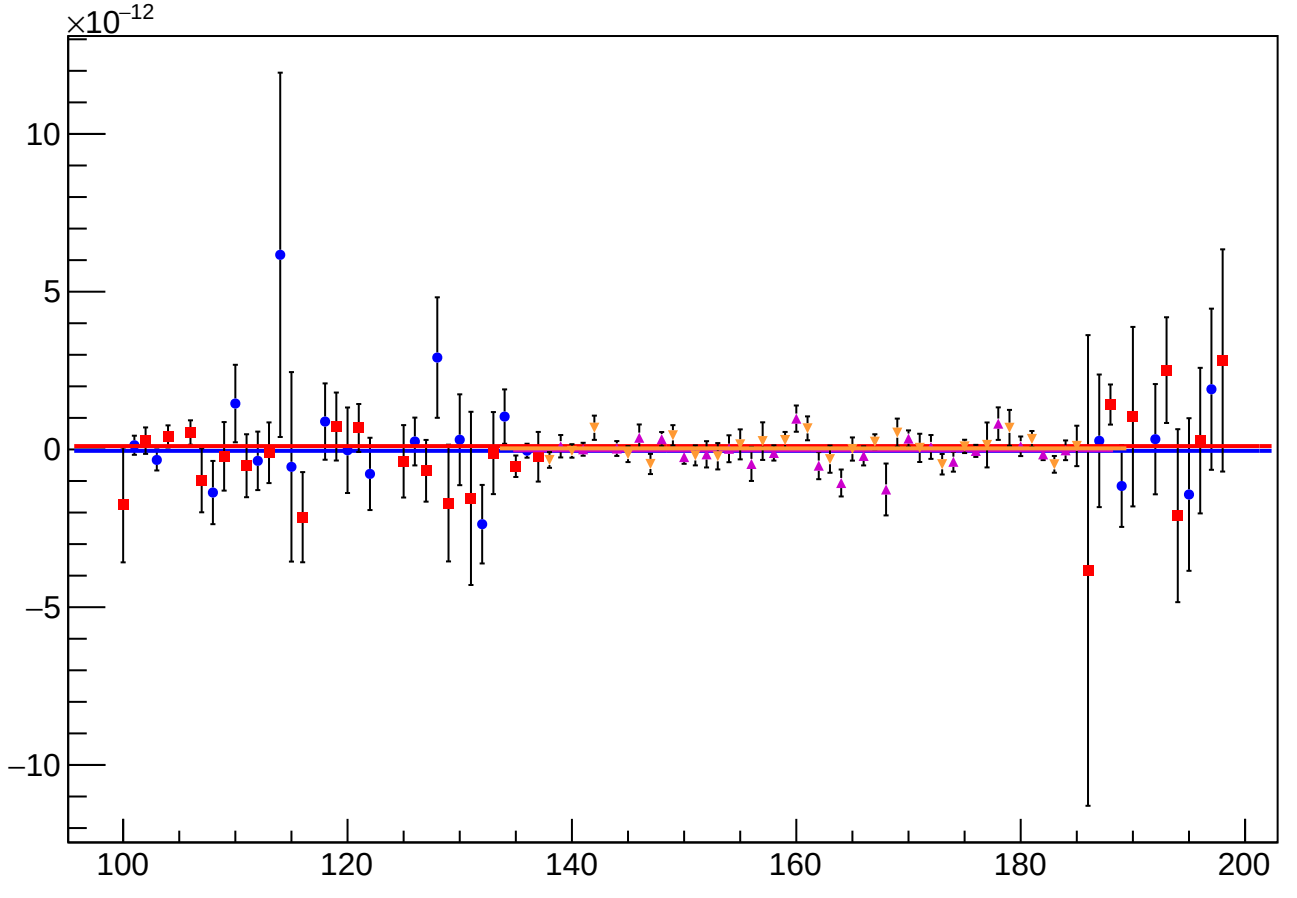
Right: 6807.133+/-2086.786 χ^2/NDF: 44.3/45

In: 5670.260+/-1945.898 χ^2/NDF:34.8/43

Out: 4972.503+/-1903.279 χ^2/NDF:51.5/48

All: 5313.657+/-1360.639 χ^2/NDF: 86.3/92


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: 9595.263+/-2.149 χ²/NDF: 1169248.6/20
Left Out: 10745.331+/-1.798 χ²/NDF:964618.1/23
Right Out: 8711.549+/-1.913 χ²/NDF: 3440332.9/24
Left In: 10646.477+/-1.791 χ²/NDF:1114064.0/22
Left: 10695.712+/-1.269 χ²/NDF: 2080199.2/46
Right: 9102.099+/-1.429 χ²/NDF: 4703925.6/45
In: 10215.644+/-1.376 χ²/NDF:2424488.4/43
Out: 9791.182+/-1.310 χ²/NDF:5005166.4/48
All: 9993.008+/-0.949 χ²/NDF: 7479569.7/92



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.1/24

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

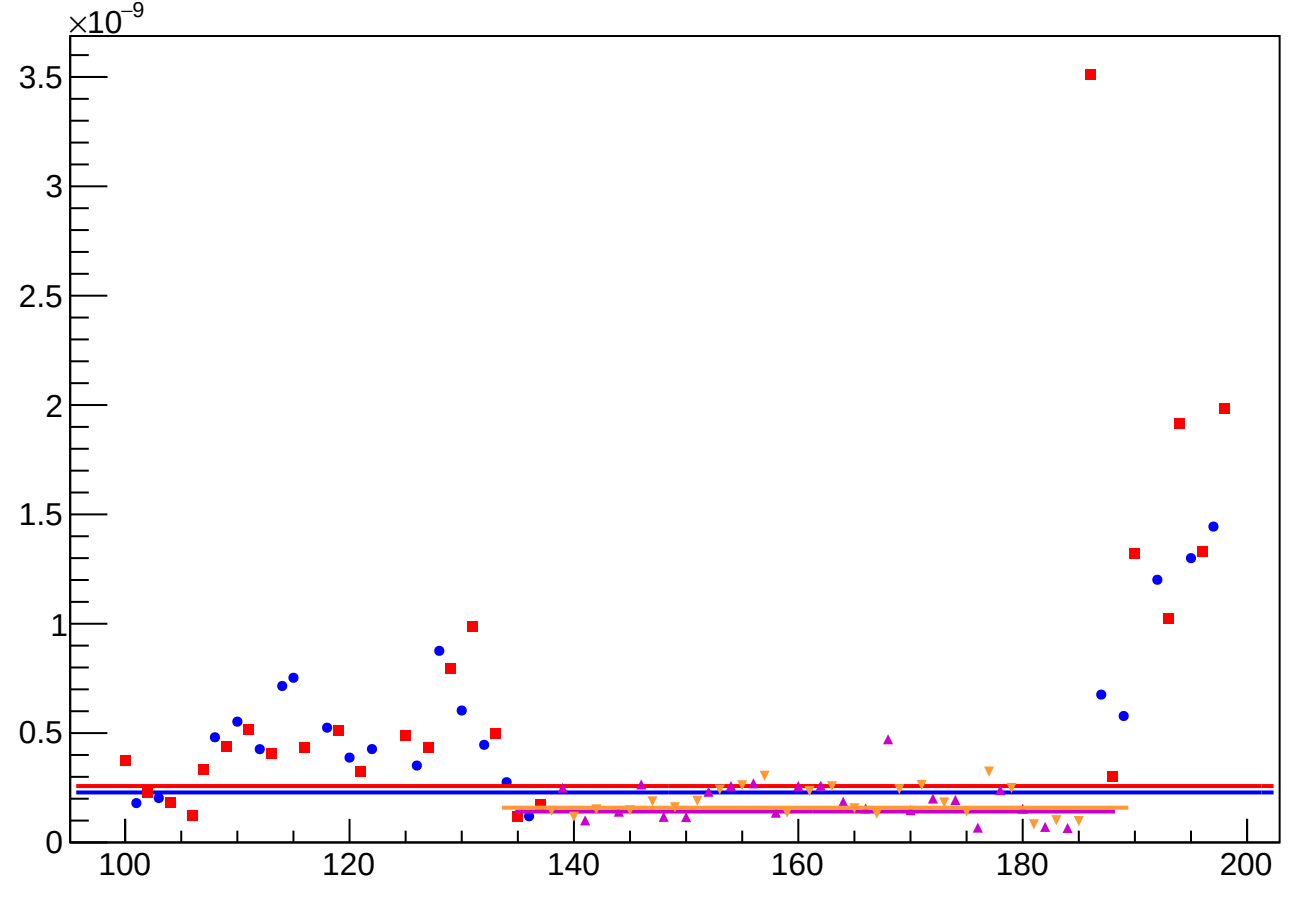
Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

Right: 0.000+/-0.000 χ^2/NDF: 38.7/45

In: -0.000+/-0.000 χ^2/NDF:43.9/43

Out: 0.000+/-0.000 χ^2/NDF:48.6/48

All: 0.000+/-0.000 χ^2/NDF: 93.3/92



Right In: 0.000+/-0.000 χ^2/NDF: 3373750.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4354723.0/24

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

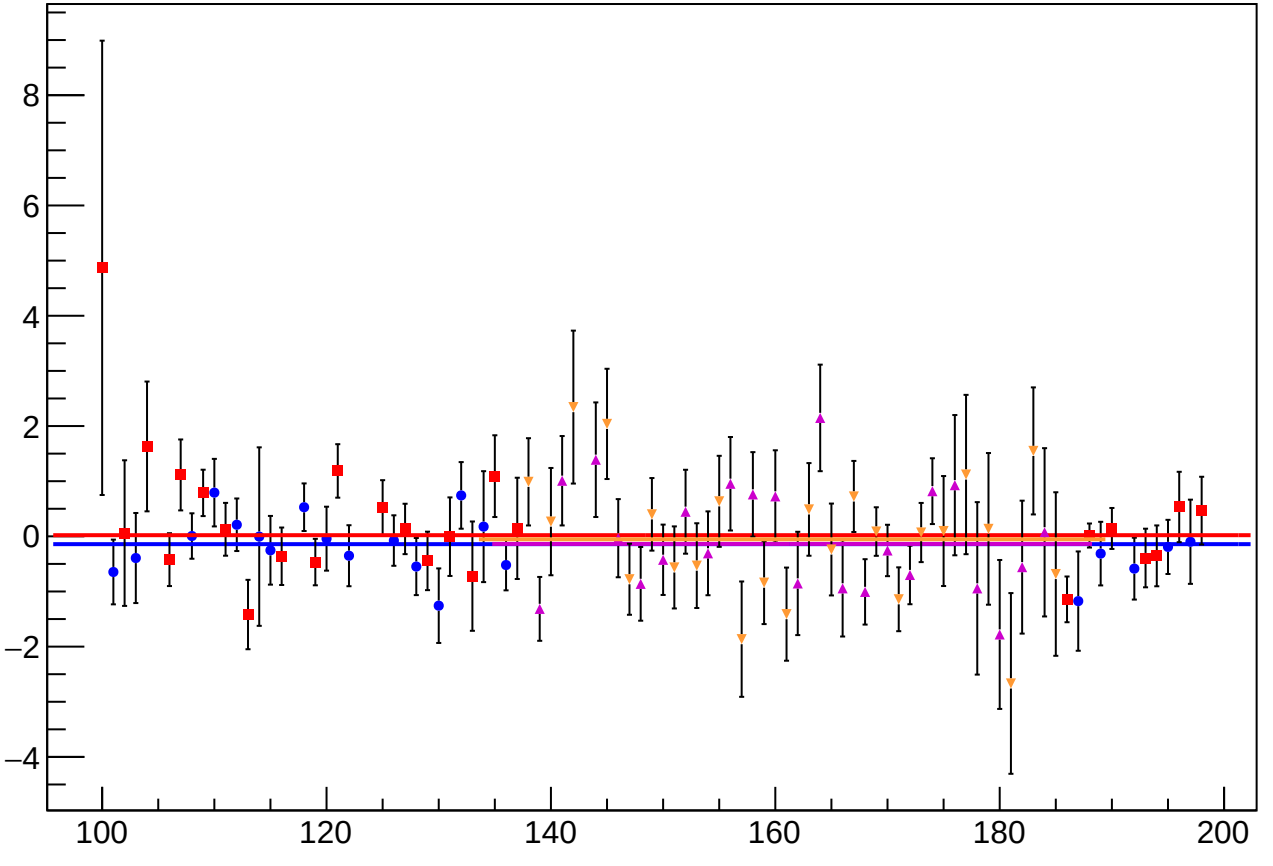
Right: 0.000+/-0.000 χ^2/NDF: 7769252.3/45

In: 0.000+/-0.000 χ^2/NDF:6426776.6/43

Out: 0.000+/-0.000 χ^2/NDF:6379662.3/48

All: 0.000+/-0.000 χ^2/NDF: 12919942.3/92

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.142+/-0.125 χ^2/NDF: 14.8/20

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.021+/-0.101 χ^2/NDF: 37.9/24

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

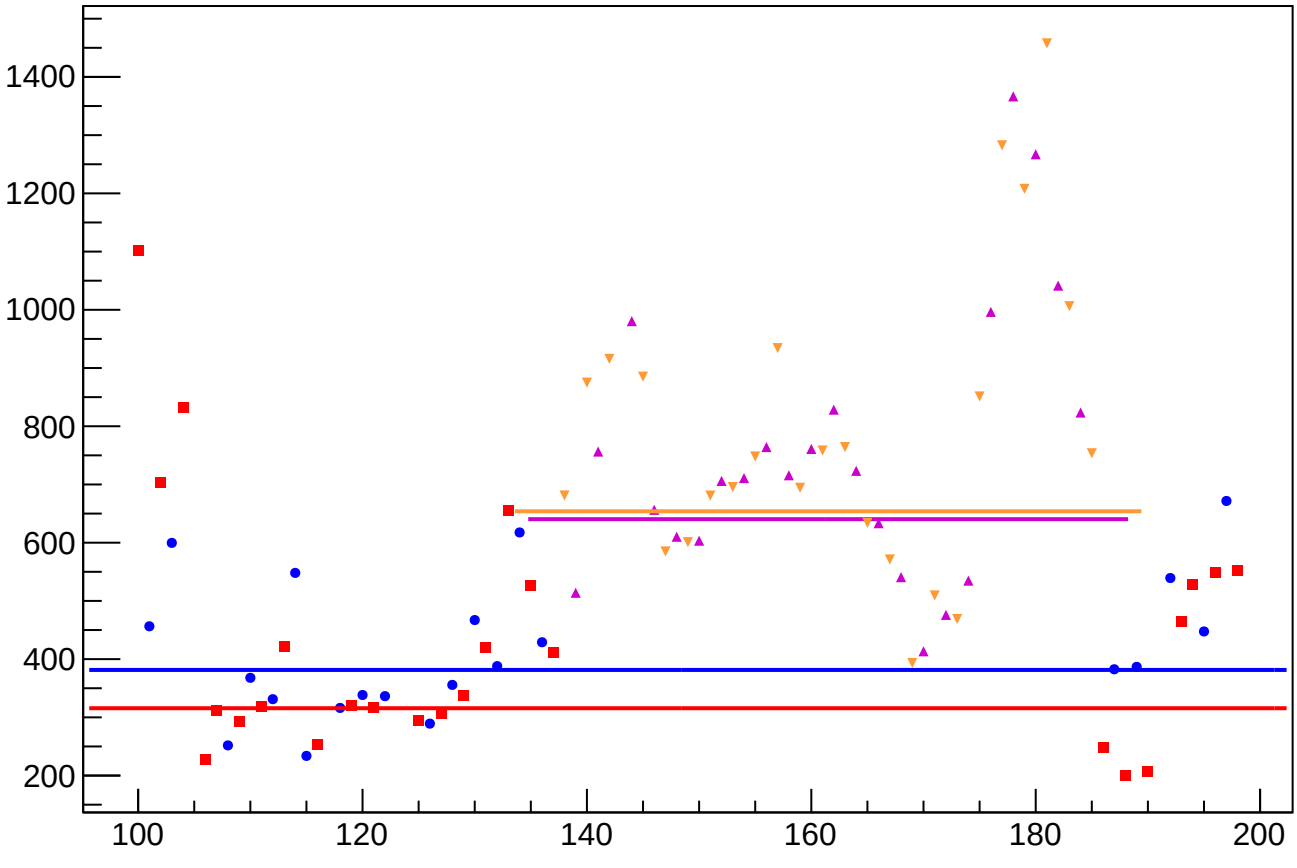
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.043+/-0.078 χ^2/NDF: 53.8/45

In: -0.140+/-0.098 χ^2/NDF:44.7/43

Out: 0.000+/-0.085 χ^2/NDF:68.2/48

All: -0.061+/-0.064 χ^2/NDF: 114.1/92



Right In: 381.452+/-0.088 χ^2/NDF: 1334024.3/20

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 315.692+/-0.071 χ^2/NDF: 3065710.2/24

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

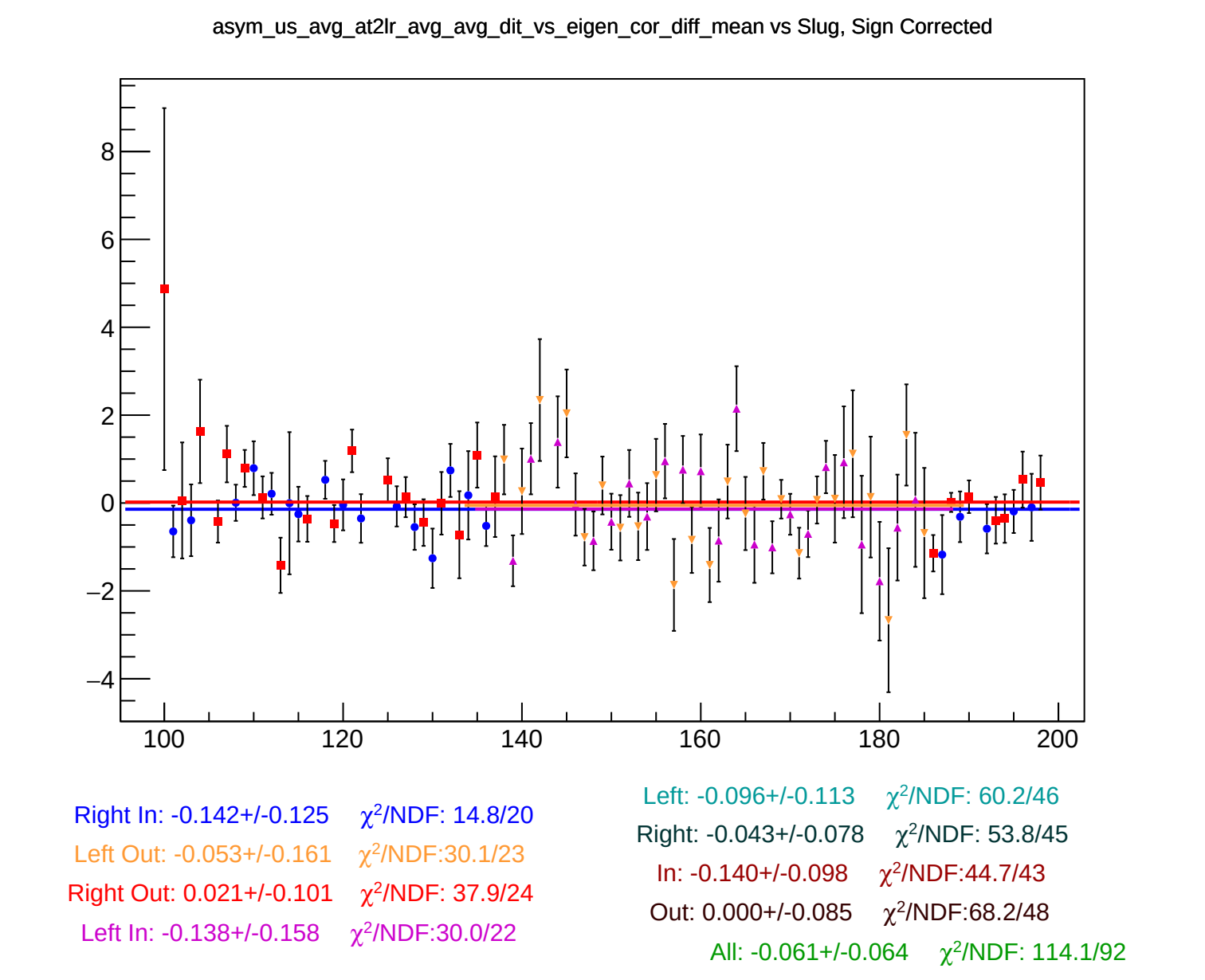
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

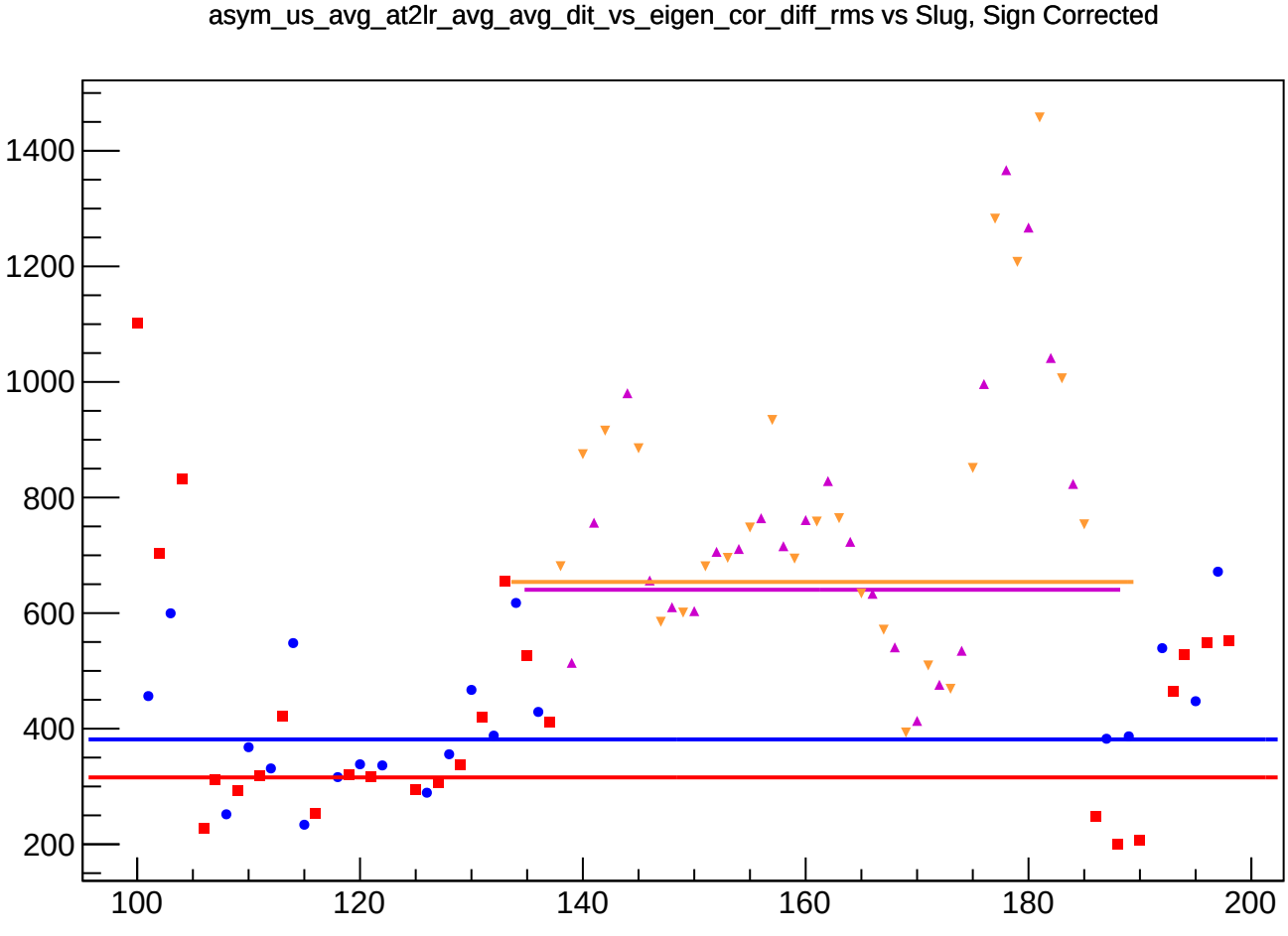
Right: 341.673+/-0.055 χ^2/NDF: 4736515.0/45

In: 480.882+/-0.069 χ^2/NDF:7296695.4/43

Out: 410.566+/-0.060 χ^2/NDF:12515685.8/48

All: 440.995+/-0.046 χ^2/NDF: 20398549.8/92


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: -0.142+/-0.125 χ²/NDF: 14.8/20
Left Out: -0.053+/-0.161 χ²/NDF:30.1/23
Right Out: 0.021+/-0.101 χ²/NDF: 37.9/24
Left In: -0.138+/-0.158 χ²/NDF:30.0/22
Left: -0.096+/-0.113 χ²/NDF: 60.2/46
Right: -0.043+/-0.078 χ²/NDF: 53.8/45
In: -0.140+/-0.098 χ²/NDF:44.7/43
Out: 0.000+/-0.085 χ²/NDF:68.2/48
All: -0.061+/-0.064 χ²/NDF: 114.1/92



Right In: 381.452+/-0.088 χ^2/NDF: 1334024.3/20

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 315.692+/-0.071 χ^2/NDF: 3065710.2/24

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

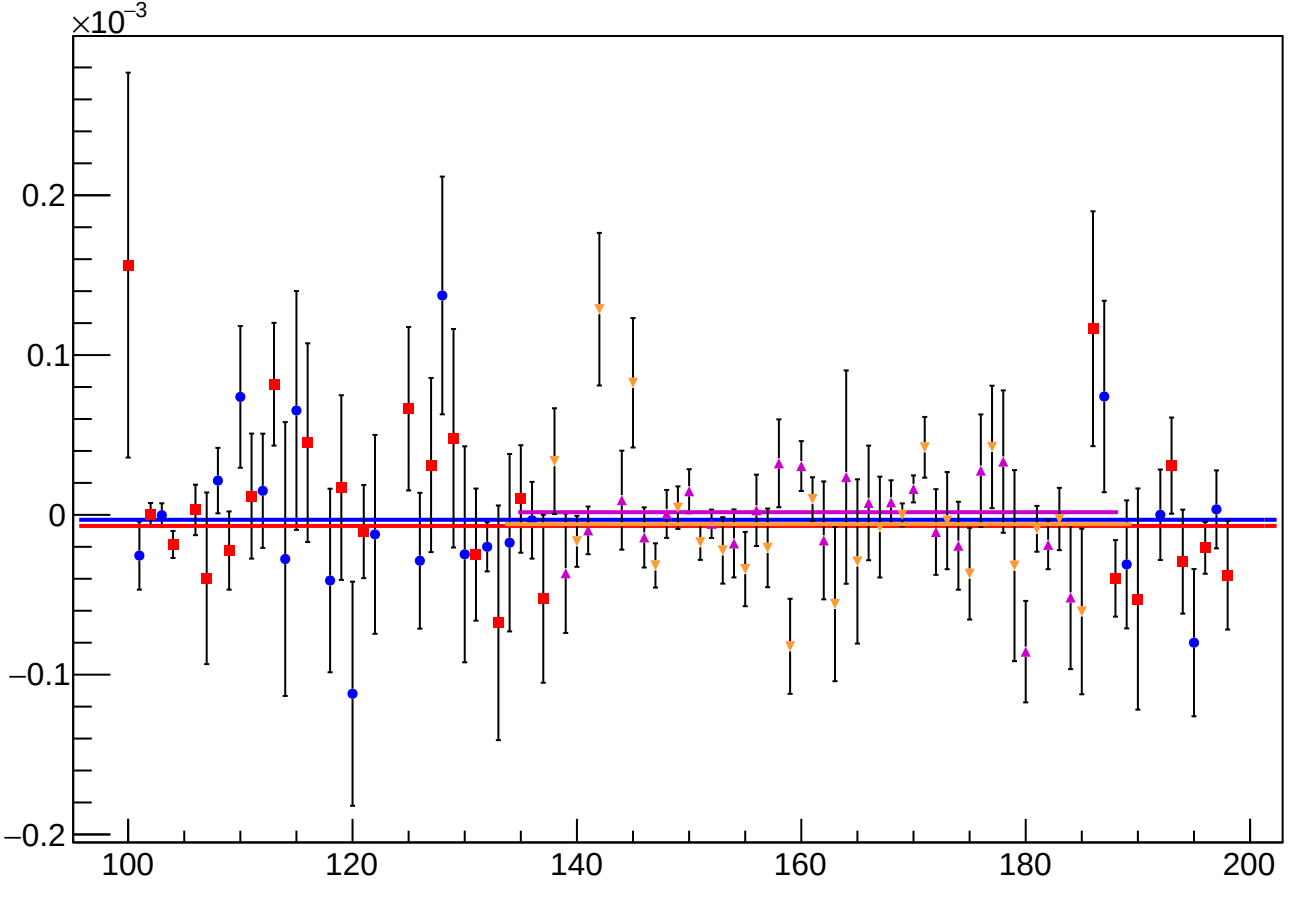
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 341.673+/-0.055 χ^2/NDF: 4736515.0/45

In: 480.882+/-0.069 χ^2/NDF:7296695.4/43

Out: 410.566+/-0.060 χ^2/NDF:12515685.8/48

All: 440.995+/-0.046 χ^2/NDF: 20398549.8/92



Right In: -0.000+/-0.000 χ^2/NDF: 20.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/24

Left In: 0.000+/-0.000 χ^2/NDF:25.6/22

Left: -0.000+/-0.000 χ^2/NDF: 70.2/46

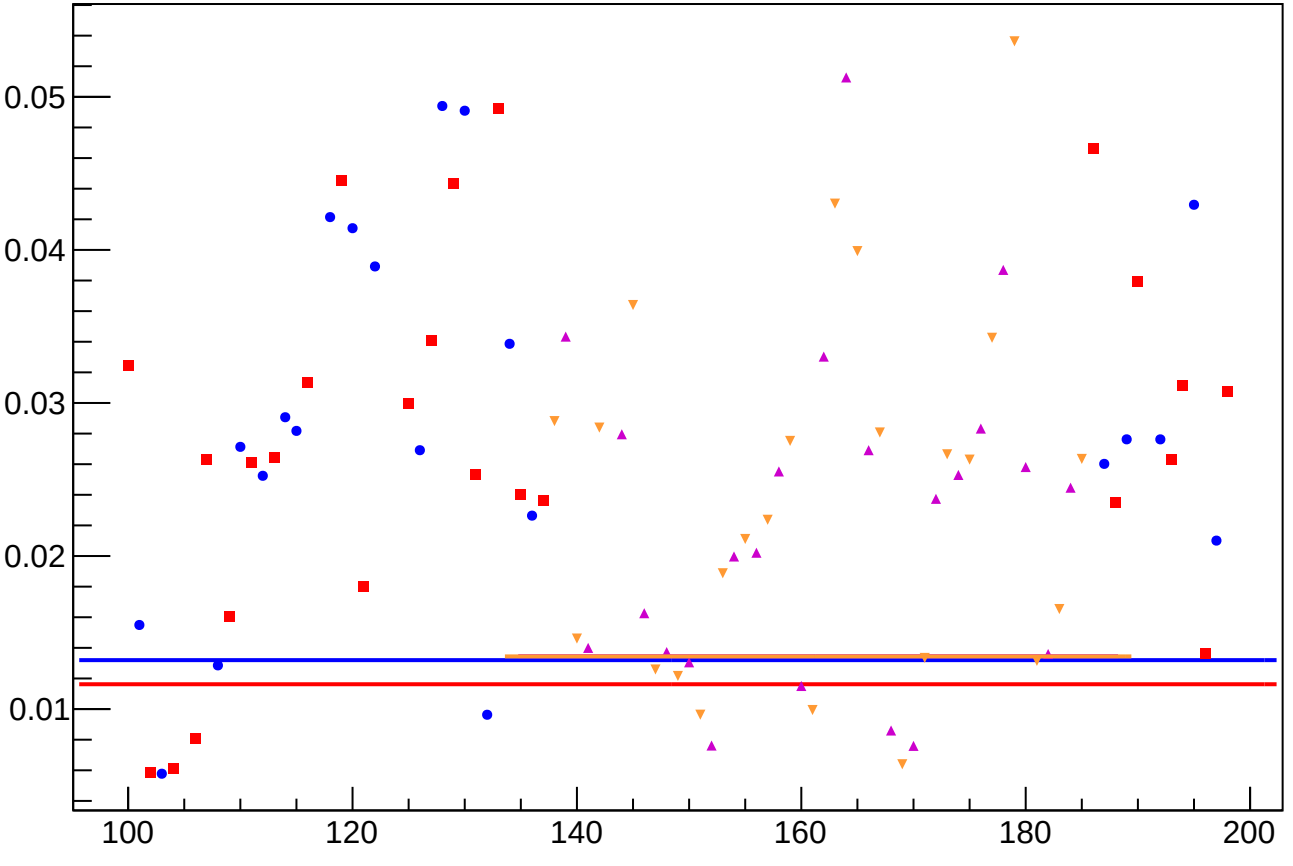
Right: -0.000+/-0.000 χ^2/NDF: 46.4/45

In: 0.000+/-0.000 χ^2/NDF:46.2/43

Out: -0.000+/-0.000 χ^2/NDF:68.7/48

All: -0.000+/-0.000 χ^2/NDF: 117.2/92

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 7615271.8/20

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

Right Out: 0.012+/-0.000 χ^2/NDF: 9260450.4/24

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

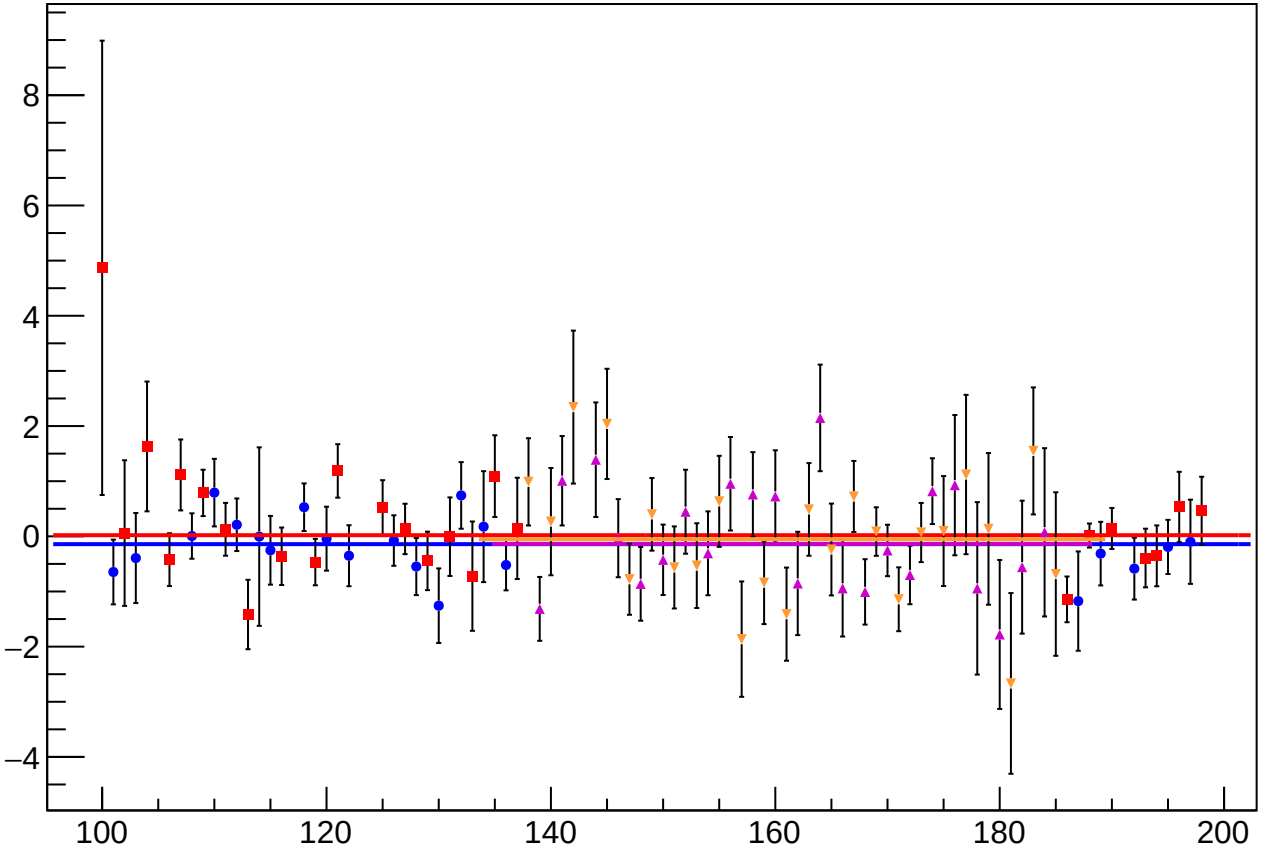
Right: 0.012+/-0.000 χ^2/NDF: 16983680.9/45

In: 0.013+/-0.000 χ^2/NDF:15166762.2/43

Out: 0.013+/-0.000 χ^2/NDF:18320960.5/48

All: 0.013+/-0.000 χ^2/NDF: 33544865.0/92

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.142+/-0.125 χ^2/NDF: 14.8/20

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.021+/-0.101 χ^2/NDF: 37.9/24

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

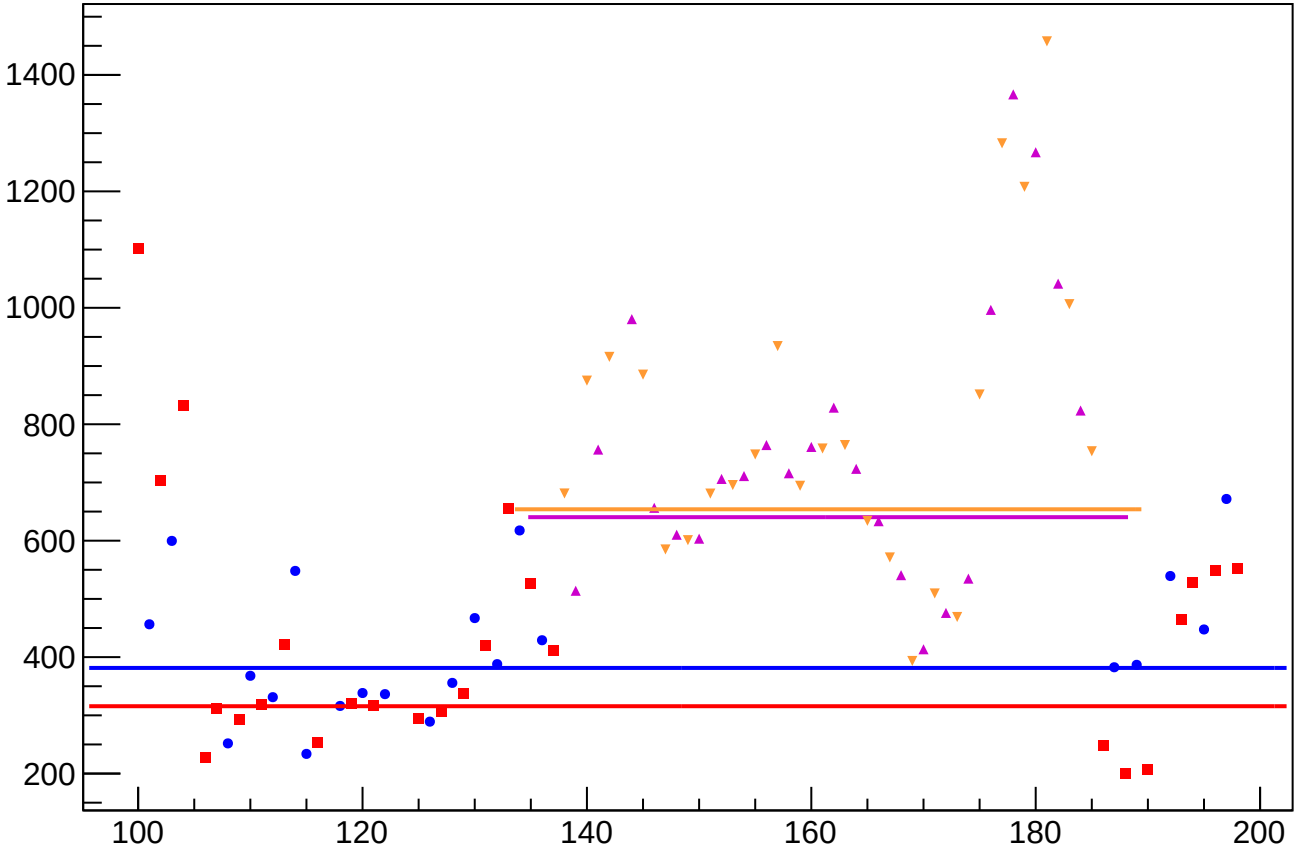
Right: -0.043+/-0.078 χ^2/NDF: 53.8/45

In: -0.140+/-0.098 χ^2/NDF:44.7/43

Out: 0.000+/-0.085 χ^2/NDF:68.2/48

All: -0.061+/-0.064 χ^2/NDF: 114.1/92

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 381.451+/-0.088 χ^2/NDF: 1333989.8/20

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 315.686+/-0.071 χ^2/NDF: 3065867.6/24

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

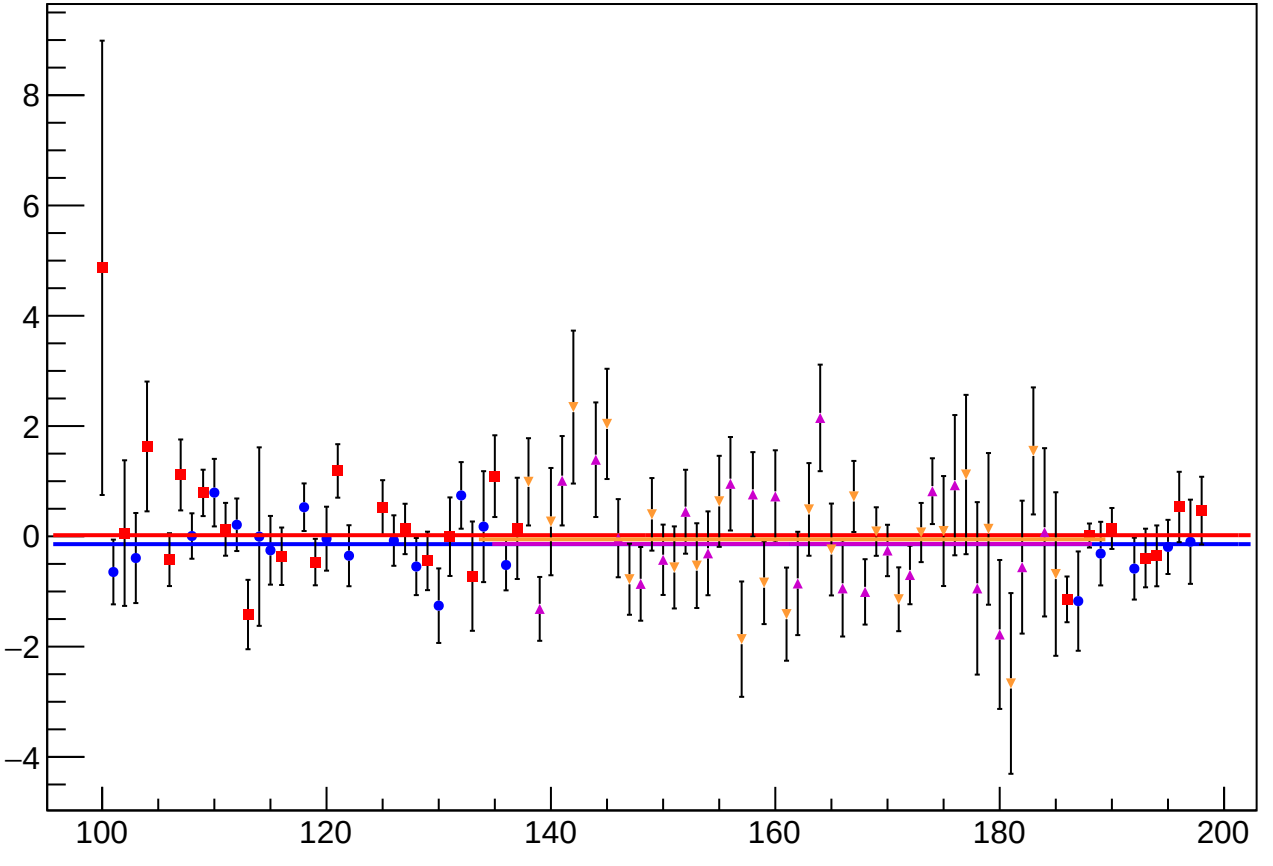
Right: 341.669+/-0.055 χ^2/NDF: 4736699.0/45

In: 480.881+/-0.069 χ^2/NDF:7296889.4/43

Out: 410.559+/-0.060 χ^2/NDF:12516334.1/48

All: 440.990+/-0.046 χ^2/NDF: 20399501.7/92

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.142+/-0.125 χ^2/NDF: 14.8/20

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.021+/-0.101 χ^2/NDF: 37.9/24

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

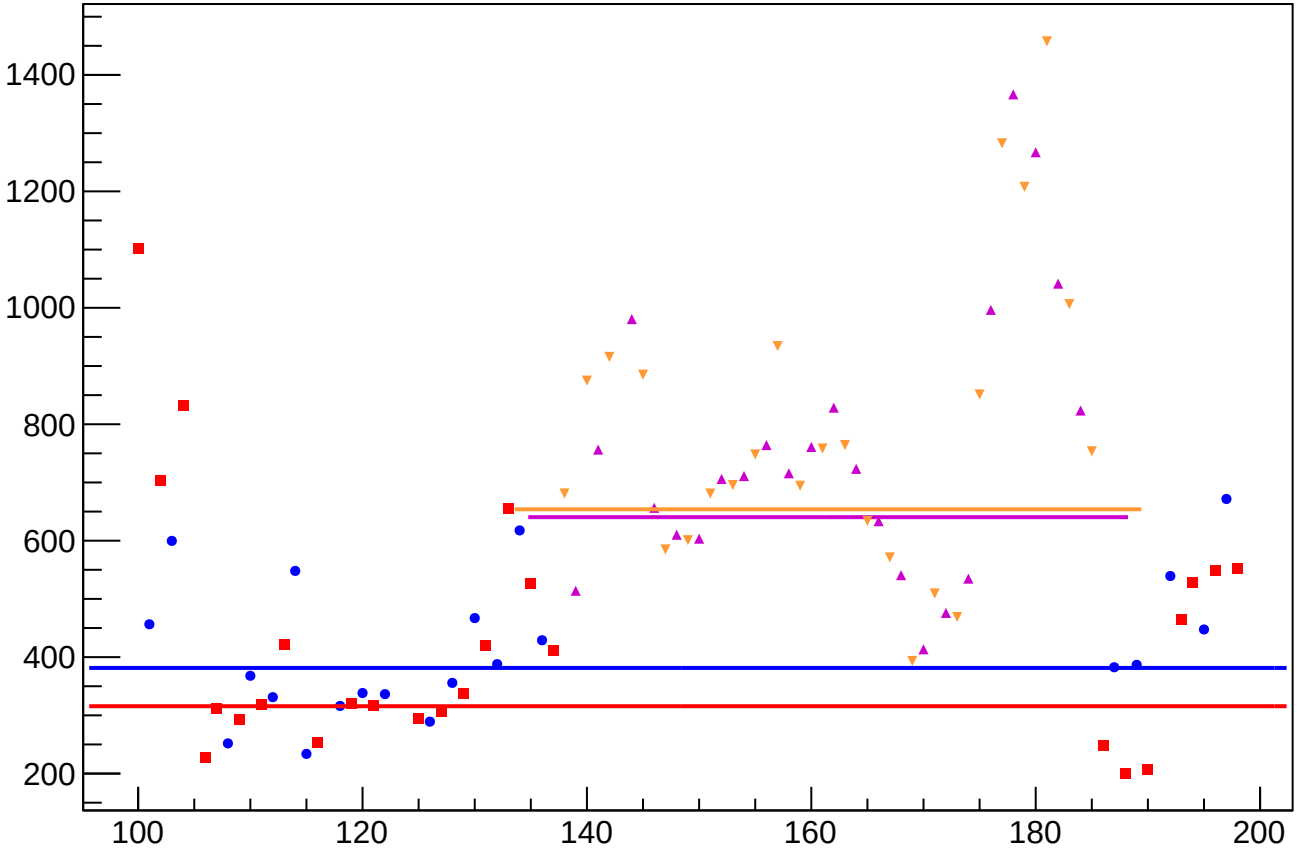
Right: -0.043+/-0.078 χ^2/NDF: 53.8/45

In: -0.140+/-0.098 χ^2/NDF:44.7/43

Out: 0.000+/-0.085 χ^2/NDF:68.2/48

All: -0.061+/-0.064 χ^2/NDF: 114.1/92

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 381.451+/-0.088 χ^2/NDF: 1333989.8/20

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 315.686+/-0.071 χ^2/NDF: 3065867.6/24

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

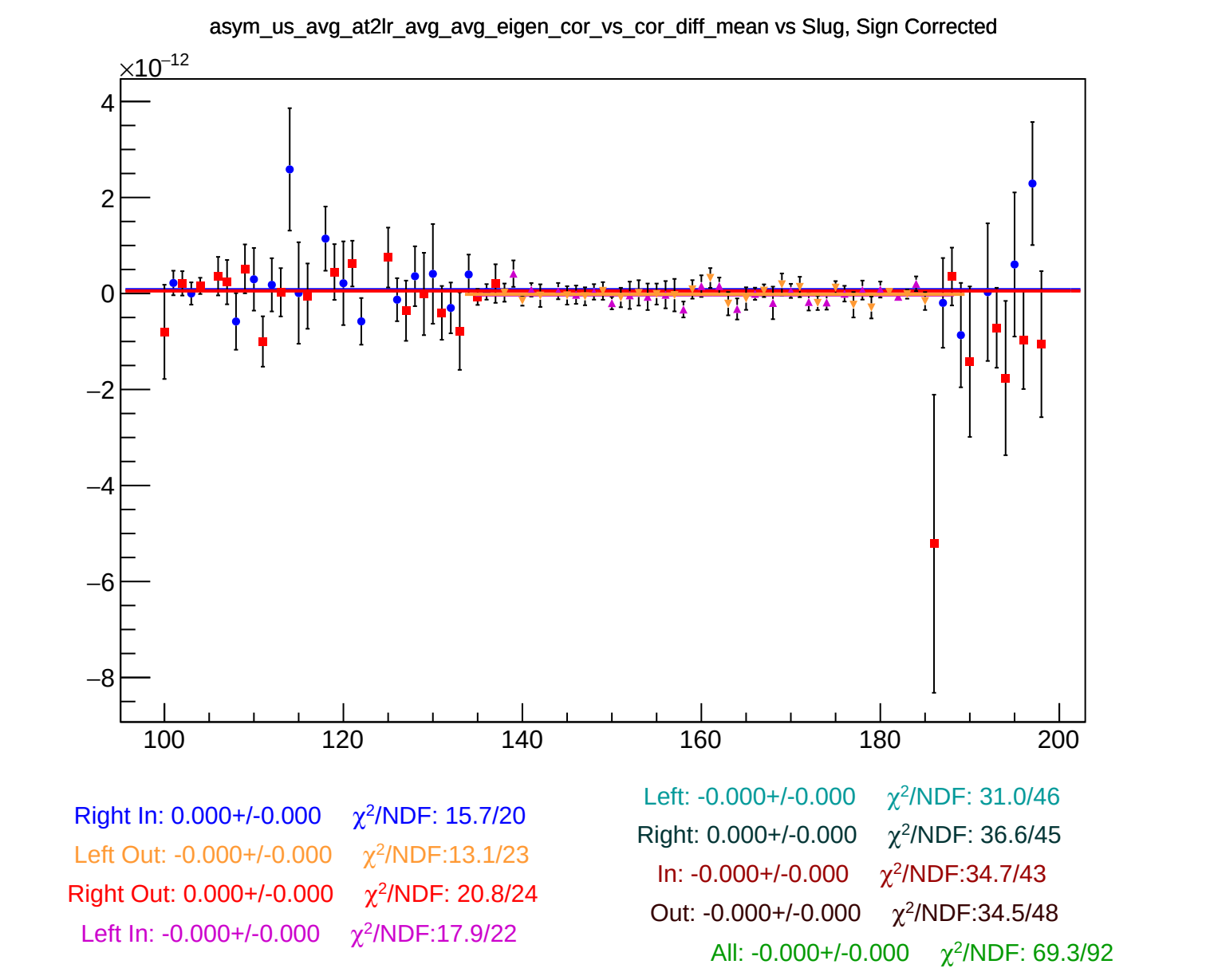
Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

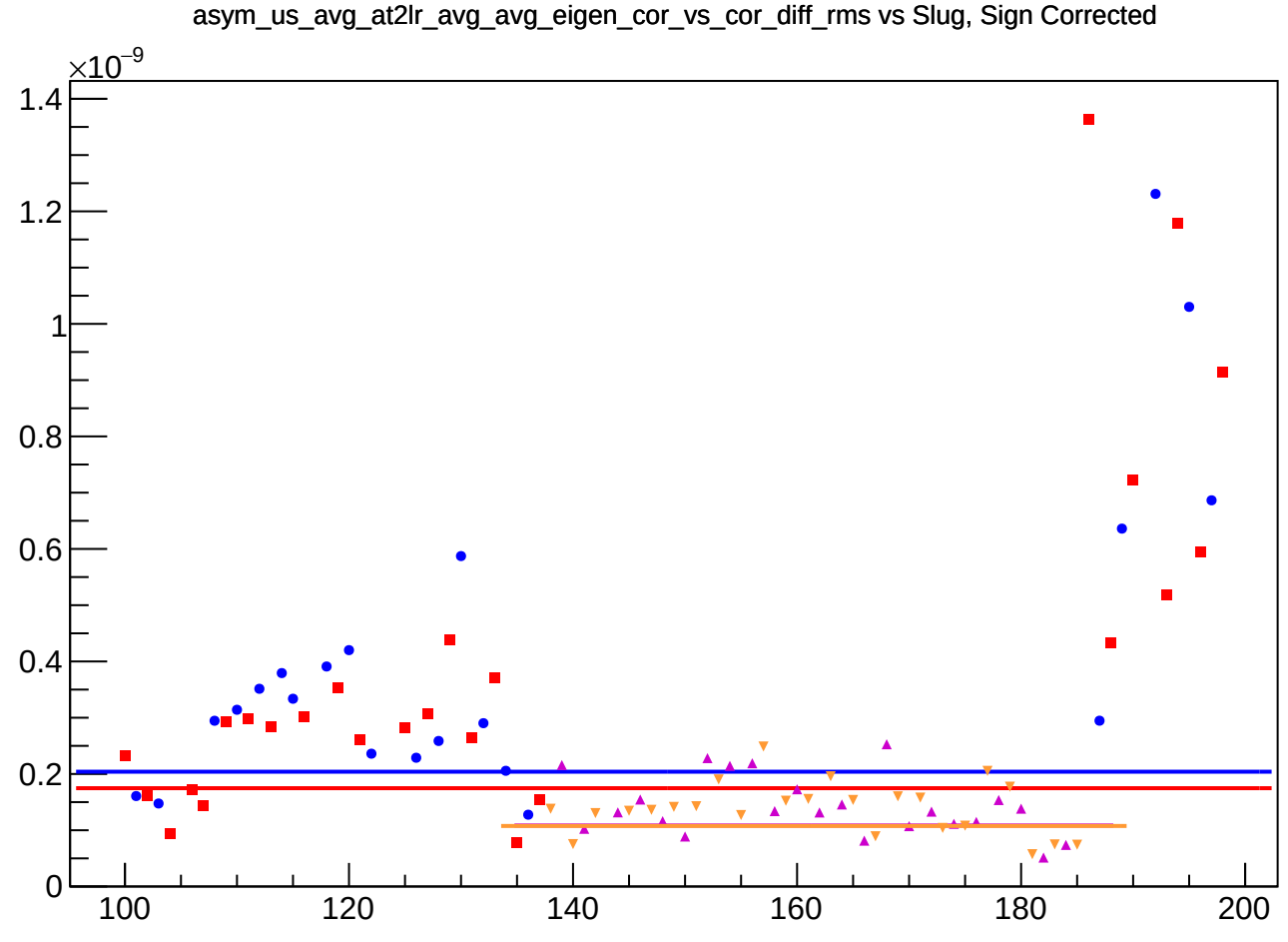
Right: 341.669+/-0.055 χ^2/NDF: 4736699.0/45

In: 480.881+/-0.069 χ^2/NDF:7296889.4/43

Out: 410.559+/-0.060 χ^2/NDF:12516334.1/48

All: 440.990+/-0.046 χ^2/NDF: 20399501.7/92


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 15.7/20
Left Out: -0.000+/-0.000 χ²/NDF:13.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 20.8/24
Left In: -0.000+/-0.000 χ²/NDF:17.9/22
Left: -0.000+/-0.000 χ²/NDF: 31.0/46
Right: 0.000+/-0.000 χ²/NDF: 36.6/45
In: -0.000+/-0.000 χ²/NDF:34.7/43
Out: -0.000+/-0.000 χ²/NDF:34.5/48
All: -0.000+/-0.000 χ²/NDF: 69.3/92



Right In: 0.000+/-0.000 χ^2/NDF: 3819815.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5143156.4/24

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

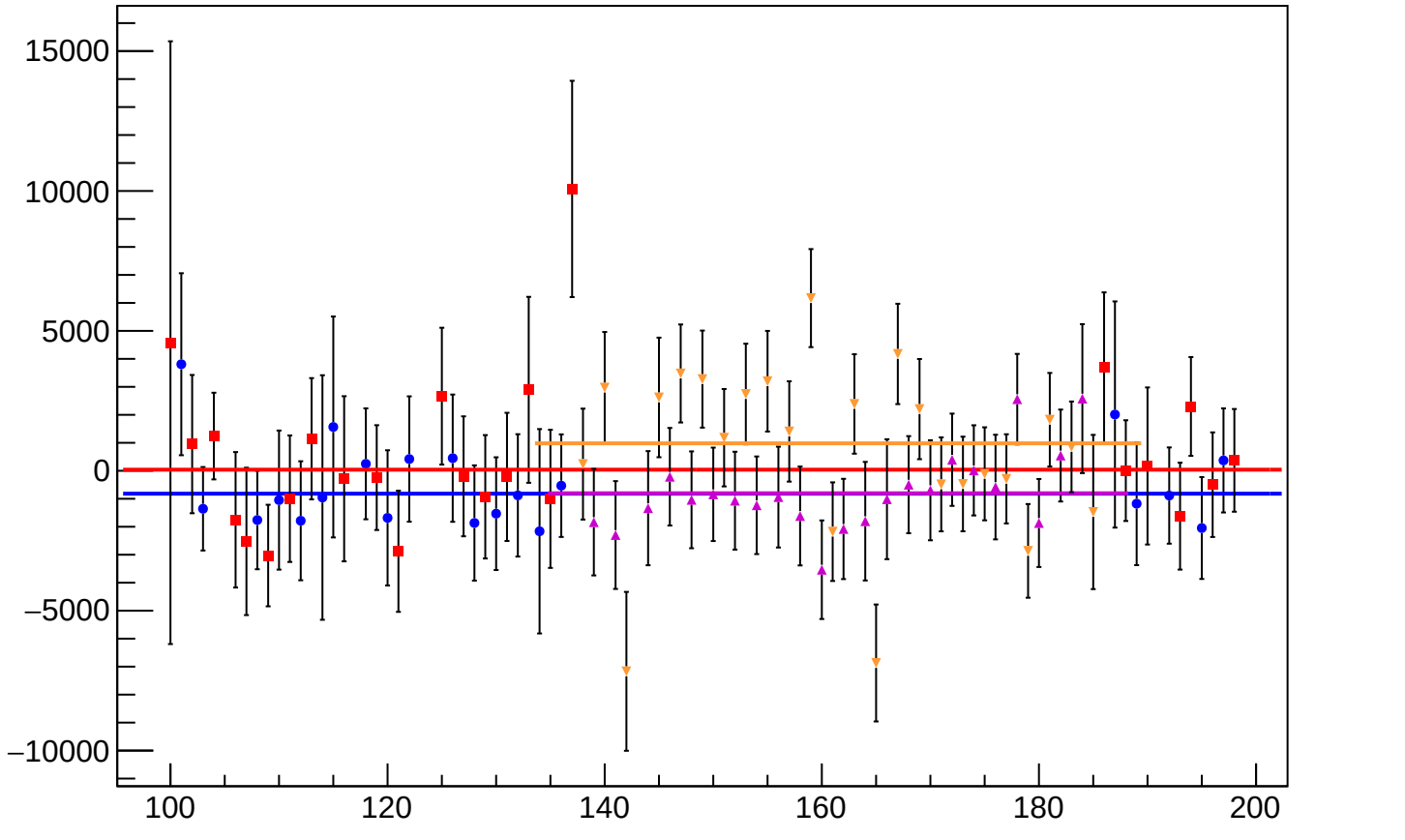
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

Right: 0.000+/-0.000 χ^2/NDF: 9070489.5/45

In: 0.000+/-0.000 χ^2/NDF:9500108.9/43

Out: 0.000+/-0.000 χ^2/NDF:9712878.8/48

All: 0.000+/-0.000 χ^2/NDF: 19217799.9/92



Right In: -818.303+/-474.270 χ^2/NDF: 6.0/20

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: 39.545+/-443.524 χ^2/NDF: 21.0/24

Left In: -803.908+/-374.066 χ^2/NDF:12.4/22

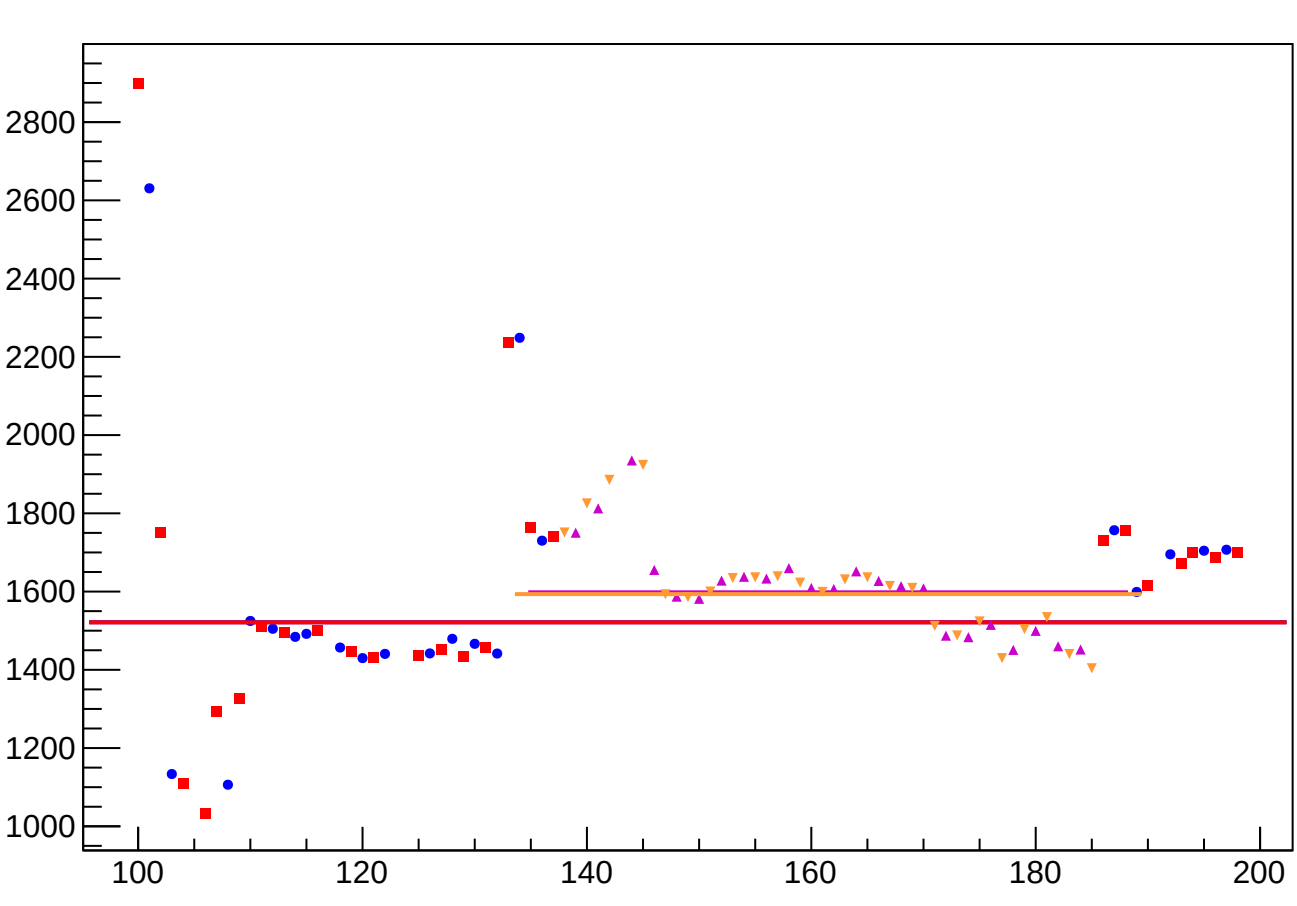
Left: 96.584+/-263.358 χ^2/NDF: 79.5/46

Right: -360.673+/-323.943 χ^2/NDF: 28.7/45

In: -809.428+/-293.706 χ^2/NDF:18.4/43

Out: 594.001+/-284.498 χ^2/NDF:79.2/48

All: -85.371+/-204.348 χ^2/NDF: 109.4/92



Right In: 1521.579+/-0.335 χ^2/NDF: 669535.2/20

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1521.343+/-0.312 χ^2/NDF: 585085.1/24

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

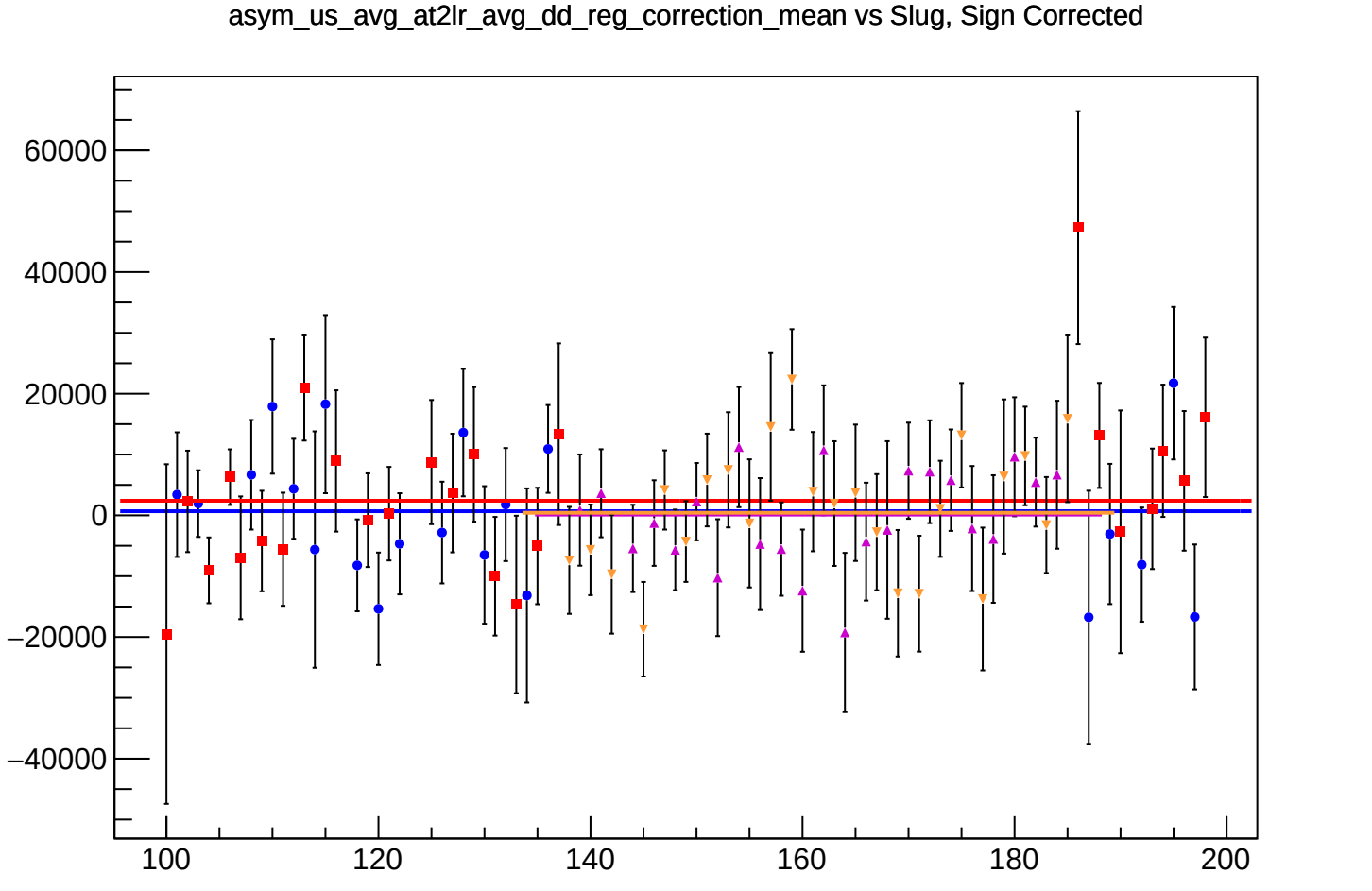
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1521.452+/-0.228 χ^2/NDF: 1254620.6/45

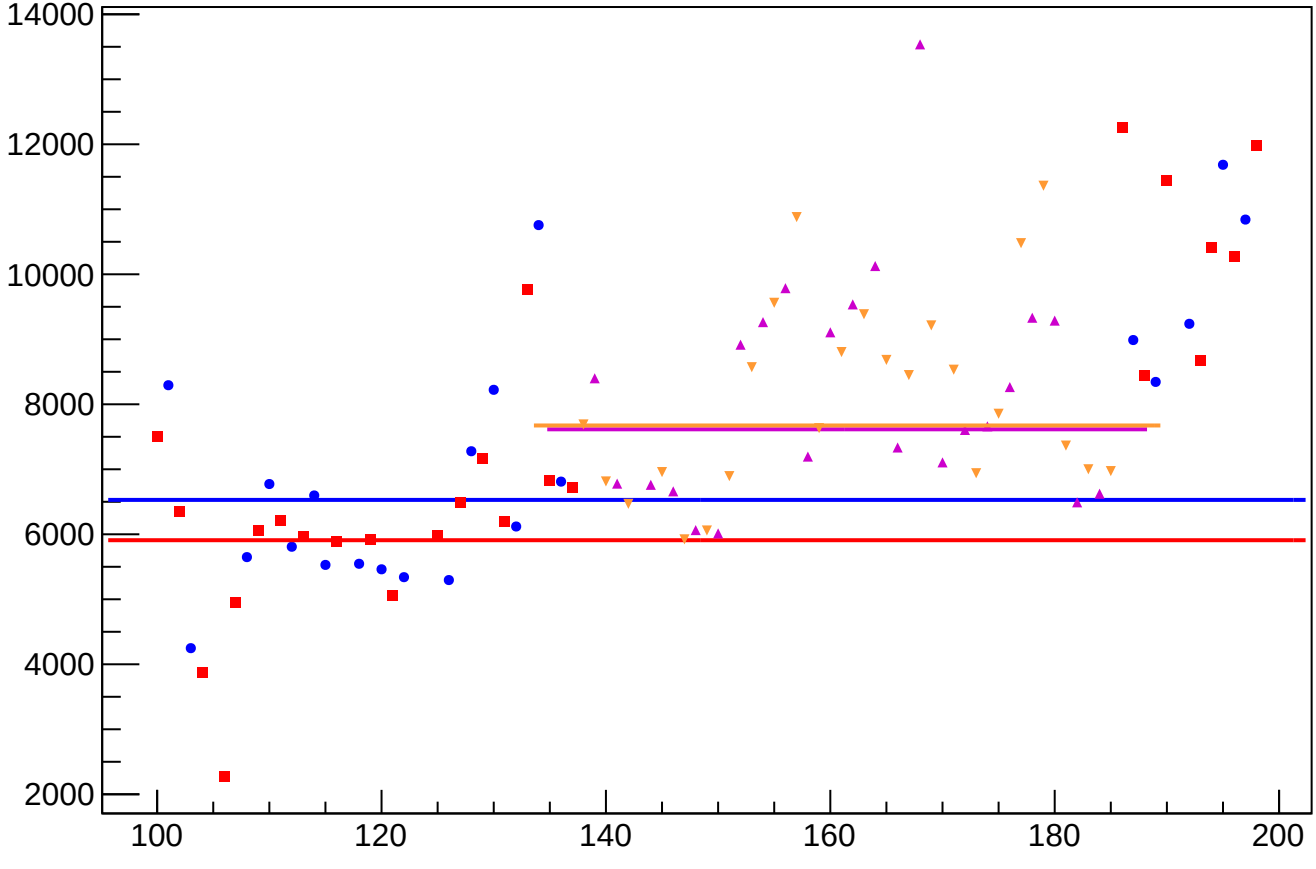
In: 1568.765+/-0.208 χ^2/NDF:870806.1/43

Out: 1563.630+/-0.201 χ^2/NDF:804016.9/48

All: 1566.111+/-0.144 χ^2/NDF: 1675139.1/92


asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
120
140
160
180
200
Right In: 680.473+/-2089.676 χ²/NDF: 20.9/20
Left Out: 426.701+/-1819.878 χ²/NDF:29.4/23
Right Out: 2397.912+/-1832.279 χ²/NDF: 27.1/24
Left In: 126.369+/-1814.830 χ²/NDF:13.9/22
Left: 276.118+/-1285.060 χ²/NDF: 43.3/46
Right: 1651.424+/-1377.684 χ²/NDF: 48.4/45
In: 364.609+/-1370.221 χ²/NDF:34.8/43
Out: 1405.613+/-1291.210 χ²/NDF:57.1/48
All: 915.988+/-939.715 χ²/NDF: 92.2/92

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 6528.963+/-1.478 χ^2/NDF: 1618019.8/20

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 5908.812+/-1.296 χ^2/NDF: 3568725.1/24

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

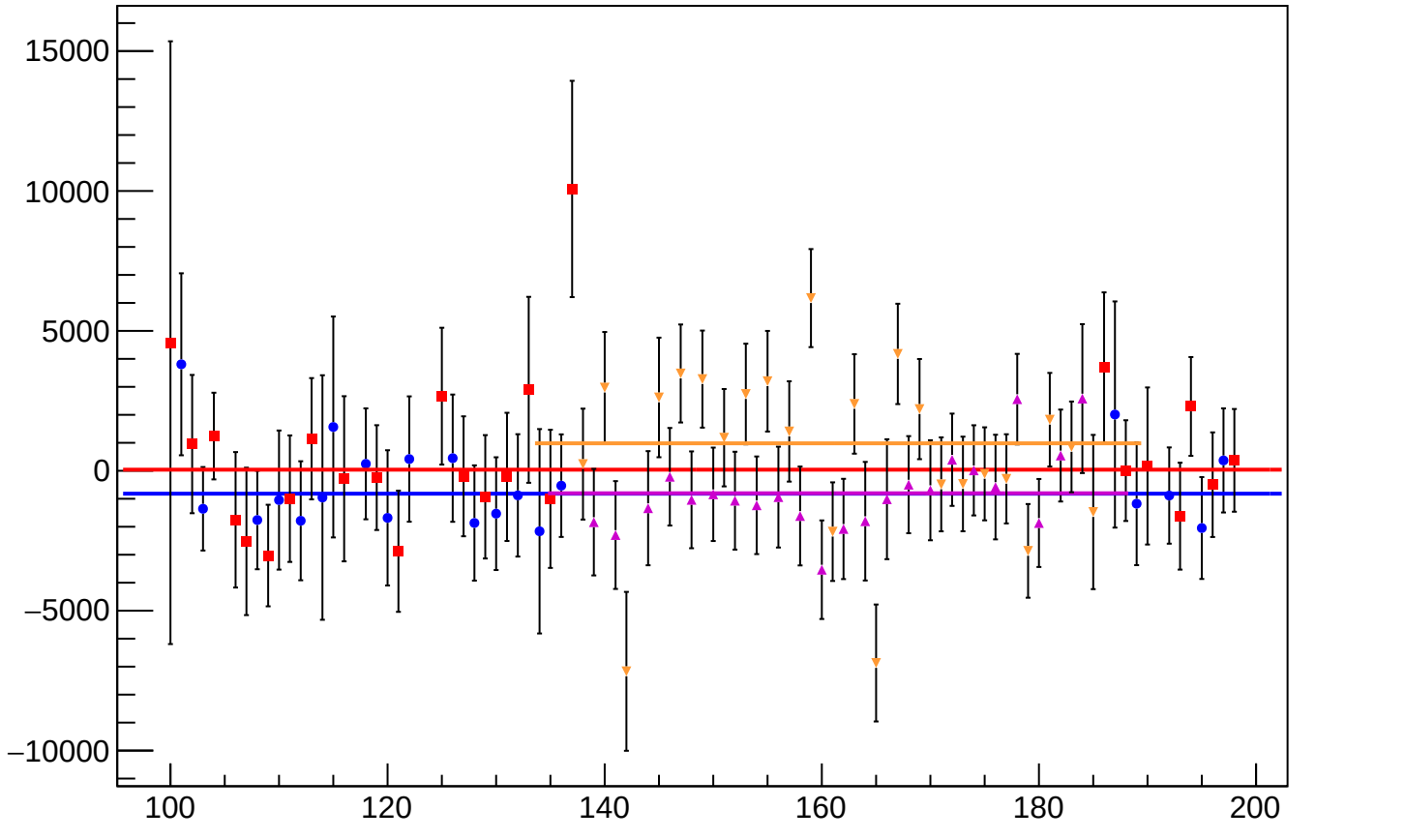
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

Right: 6178.362+/-0.974 χ^2/NDF: 5286327.6/45

In: 7148.038+/-0.969 χ^2/NDF:3150468.1/43

Out: 6797.430+/-0.913 χ^2/NDF:5579913.7/48

All: 6962.334+/-0.664 χ^2/NDF: 8799738.9/92



Right In: -818.394+/-474.270 χ^2/NDF: 6.0/20

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: 39.632+/-443.524 χ^2/NDF: 21.0/24

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

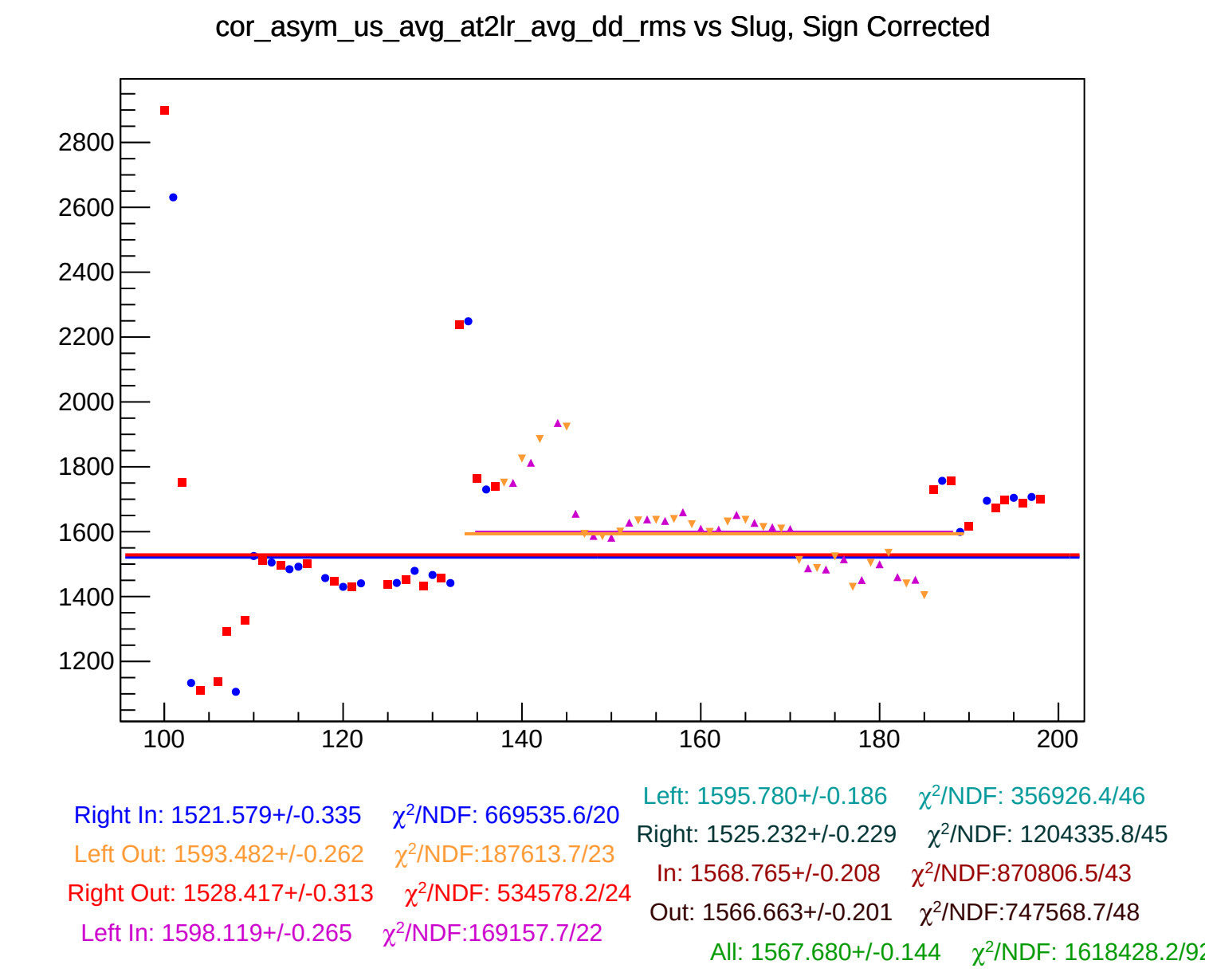
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -360.669+/-323.943 χ^2/NDF: 28.7/45

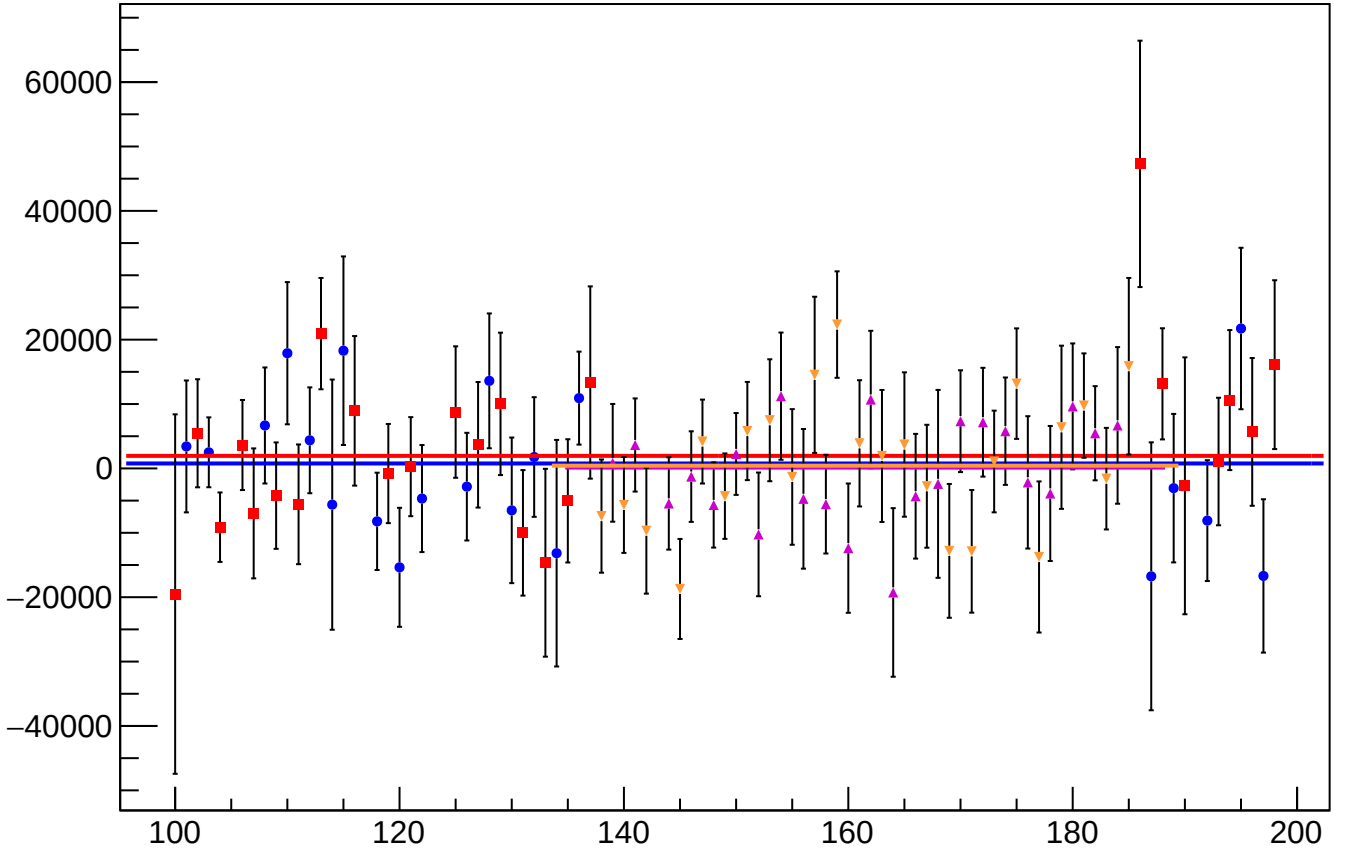
In: -809.387+/-293.706 χ^2/NDF:18.4/43

Out: 594.086+/-284.498 χ^2/NDF:79.2/48

All: -85.307+/-204.348 χ^2/NDF: 109.4/92


cor_asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected
2800
2600
2400
2200
2000
1800
1600
1400
1200
100
120
140
160
180
200
Right In: 1521.579+/-0.335 χ²/NDF: 669535.6/20
Left Out: 1593.482+/-0.262 χ²/NDF:187613.7/23
Right Out: 1528.417+/-0.313 χ²/NDF: 534578.2/24
Left In: 1598.119+/-0.265 χ²/NDF:169157.7/22
Left: 1595.780+/-0.186 χ²/NDF: 356926.4/46
Right: 1525.232+/-0.229 χ²/NDF: 1204335.8/45
In: 1568.765+/-0.208 χ²/NDF:870806.5/43
Out: 1566.663+/-0.201 χ²/NDF:747568.7/48
All: 1567.680+/-0.144 χ²/NDF: 1618428.2/92

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 768.711+/-2086.728 χ^2/NDF: 21.0/20

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 1949.375+/-1922.667 χ^2/NDF: 26.6/24

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

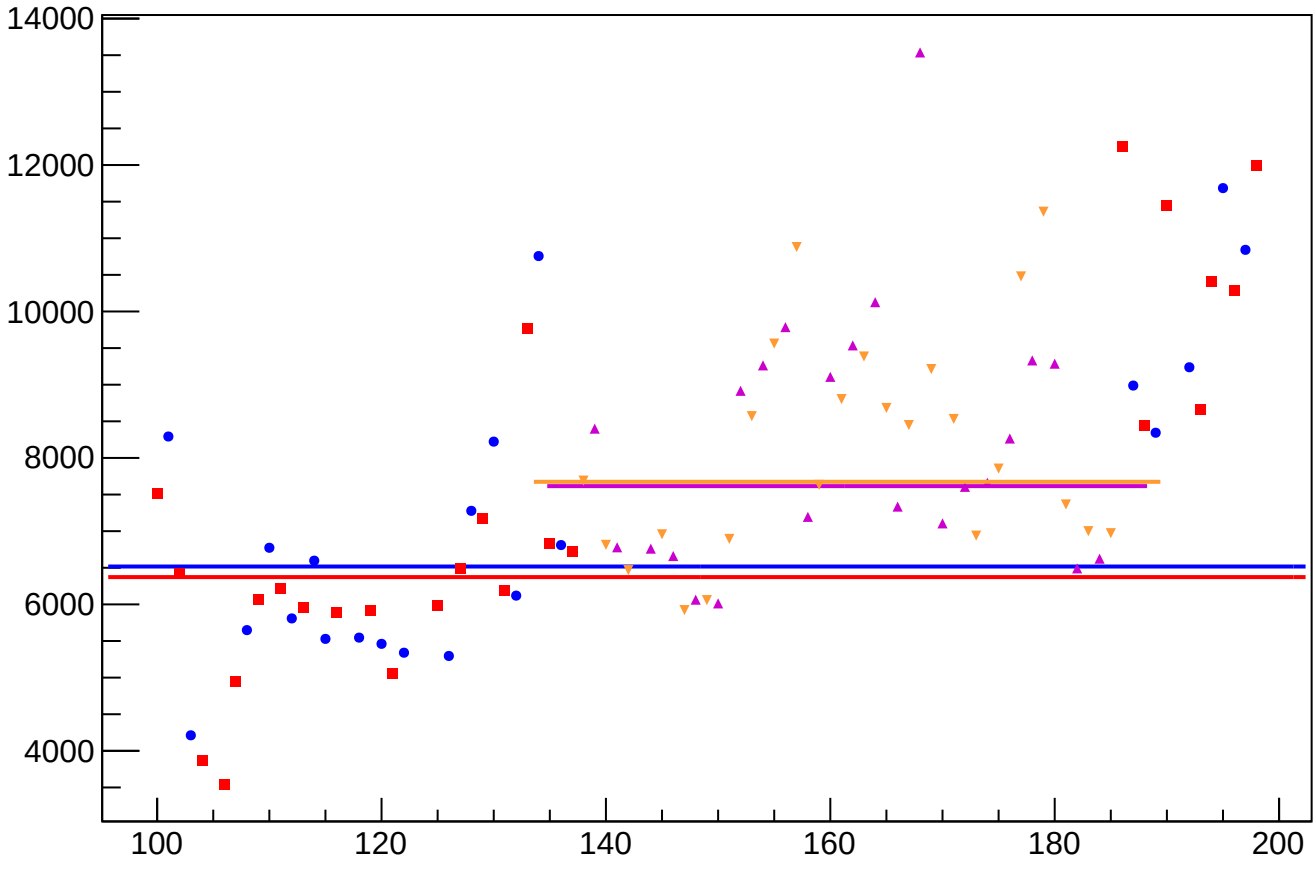
Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

Right: 1407.274+/-1413.978 χ^2/NDF: 47.8/45

In: 402.995+/-1369.388 χ^2/NDF:34.9/43

Out: 1146.250+/-1321.693 χ^2/NDF:56.3/48

All: 787.791+/-950.993 χ^2/NDF: 91.4/92



Right In: 6517.237+/-1.476 χ^2/NDF: 1635801.5/20

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6372.694+/-1.360 χ^2/NDF: 2422721.9/24

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

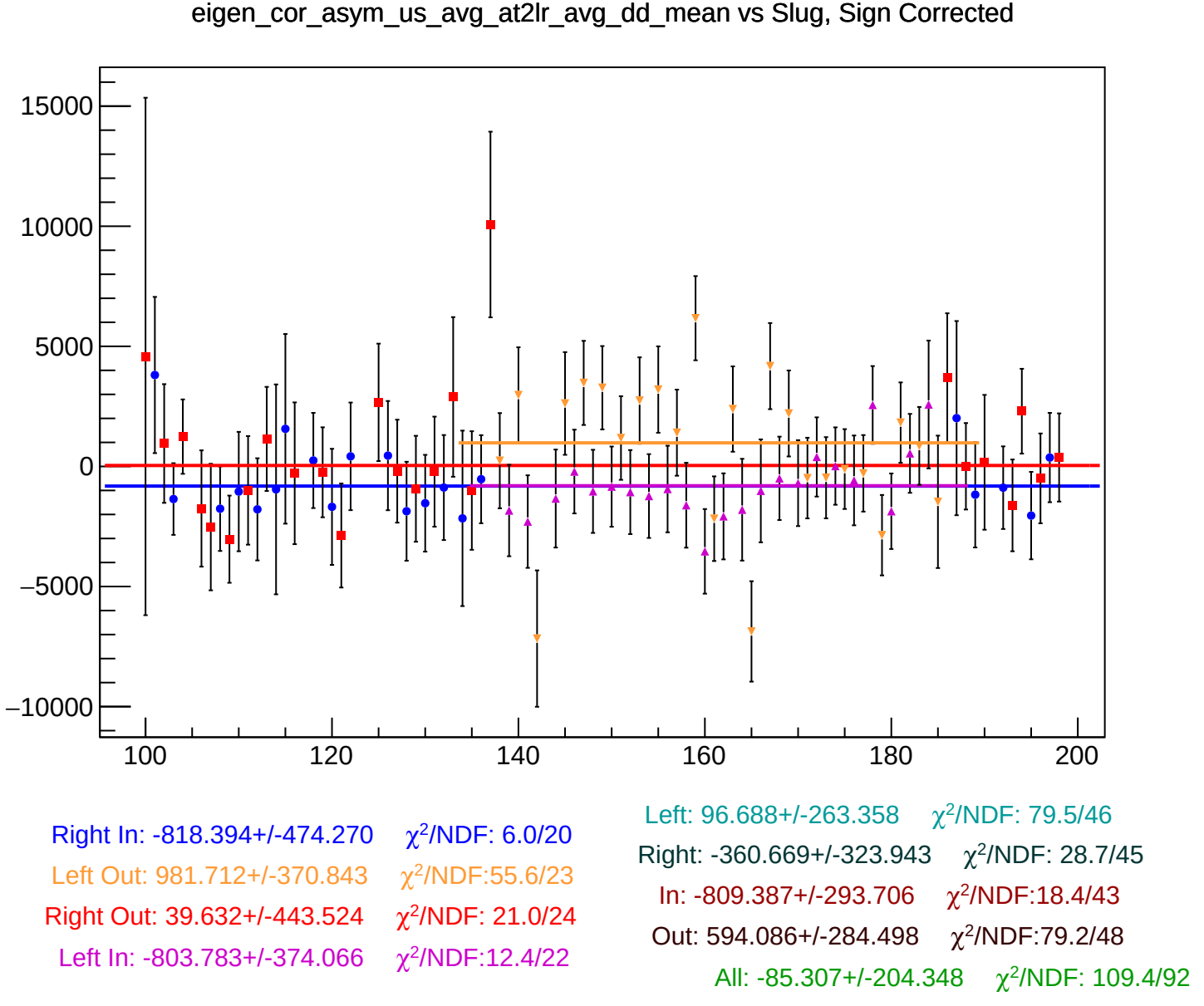
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

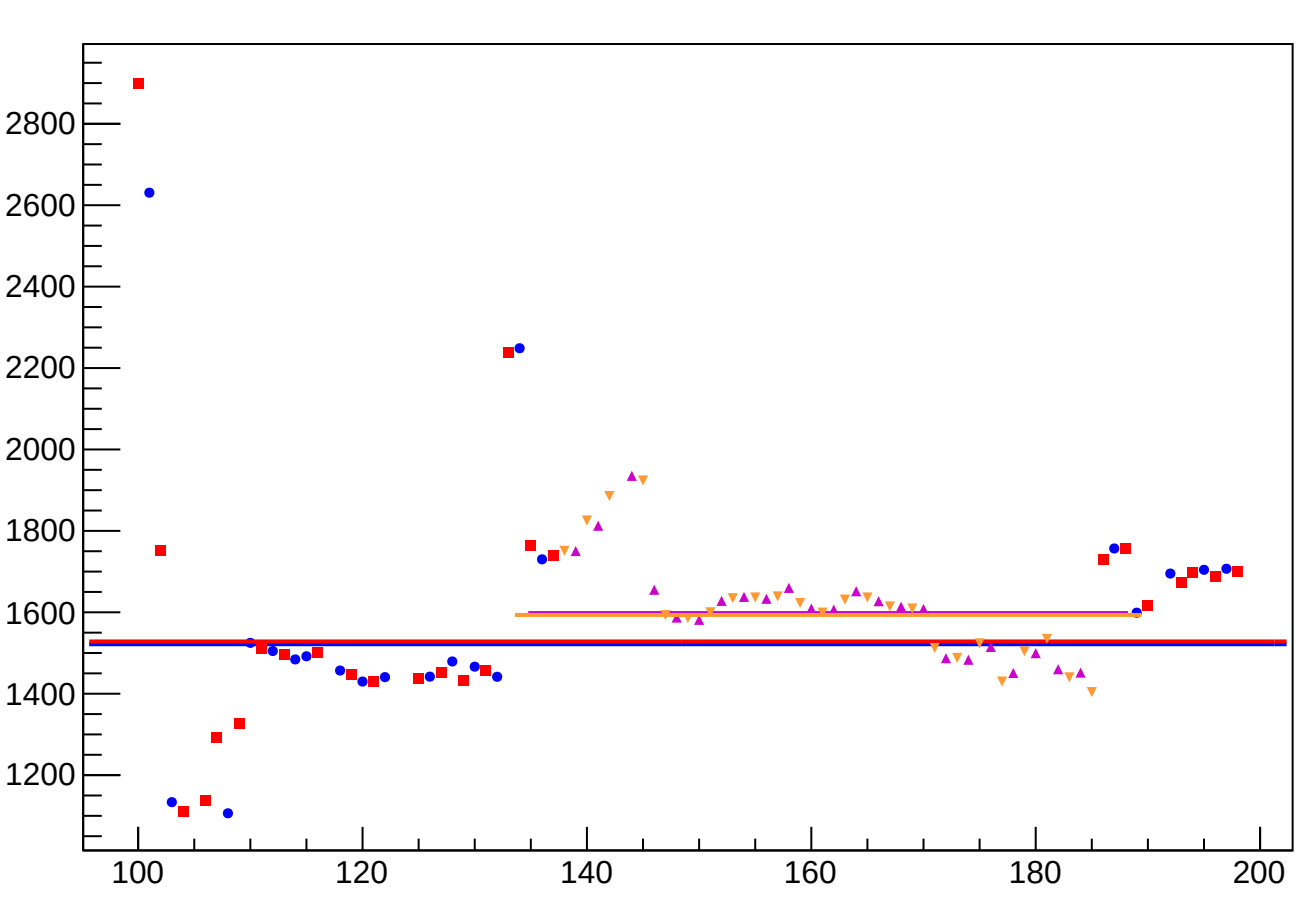
Right: 6439.061+/-1.000 χ^2/NDF: 4063713.5/45

In: 7142.231+/-0.968 χ^2/NDF:3175442.1/43

Out: 7059.093+/-0.935 χ^2/NDF:3982714.2/48

All: 7099.189+/-0.672 χ^2/NDF: 7161972.9/92


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: -818.394+/-474.270 χ²/NDF: 6.0/20
Left Out: 981.712+/-370.843 χ²/NDF:55.6/23
Right Out: 39.632+/-443.524 χ²/NDF: 21.0/24
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -360.669+/-323.943 χ²/NDF: 28.7/45
In: -809.387+/-293.706 χ²/NDF:18.4/43
Out: 594.086+/-284.498 χ²/NDF:79.2/48
All: -85.307+/-204.348 χ²/NDF: 109.4/92



Right In: 1521.579+/-0.335 χ^2/NDF: 669535.6/20

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1528.417+/-0.313 χ^2/NDF: 534578.2/24

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

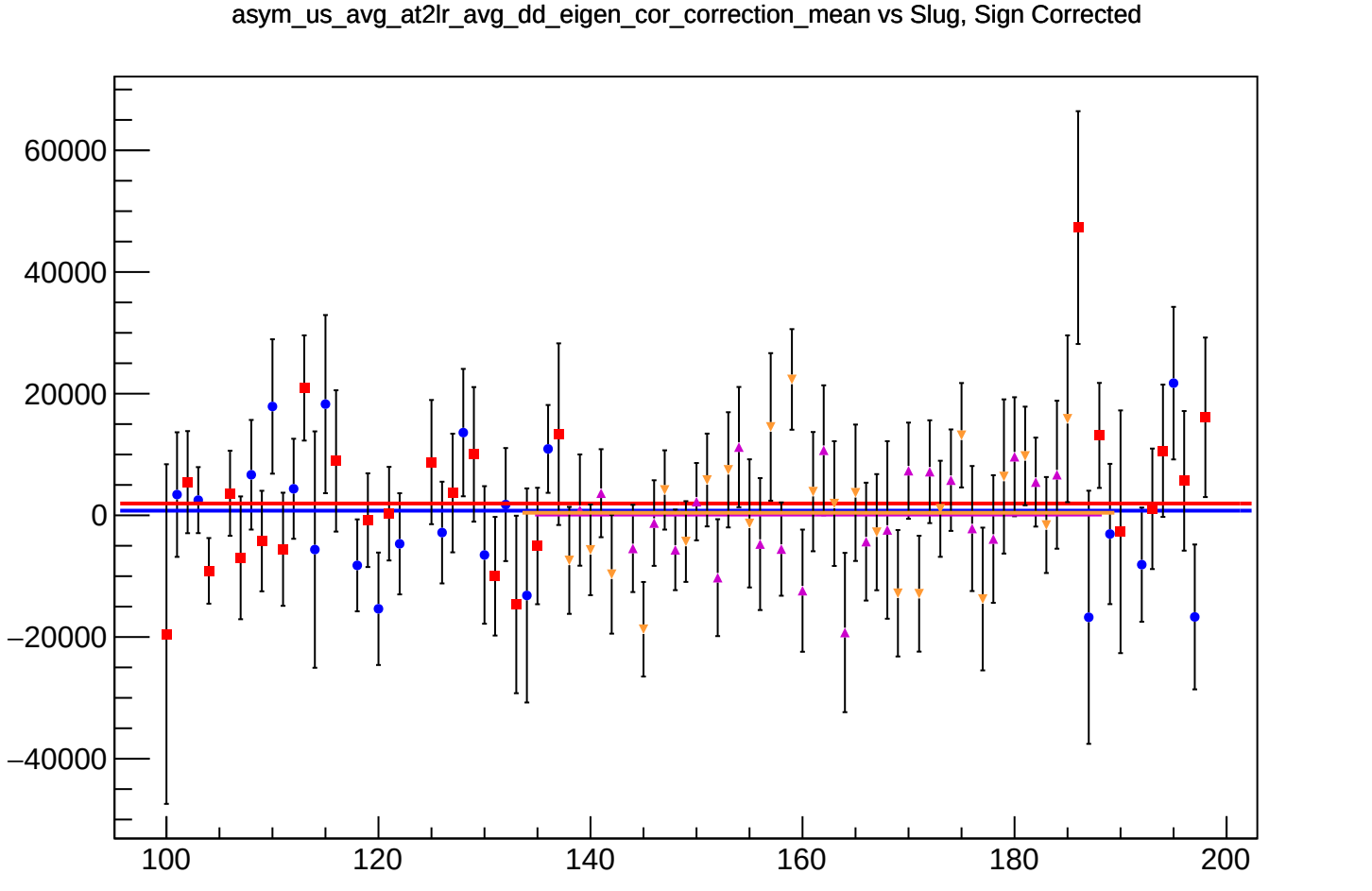
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1525.232+/-0.229 χ^2/NDF: 1204335.8/45

In: 1568.765+/-0.208 χ^2/NDF:870806.5/43

Out: 1566.663+/-0.201 χ^2/NDF:747568.7/48

All: 1567.680+/-0.144 χ^2/NDF: 1618428.2/92



Right In: 768.711+/-2086.728 χ^2/NDF: 21.0/20

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 1949.375+/-1922.667 χ^2/NDF: 26.6/24

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

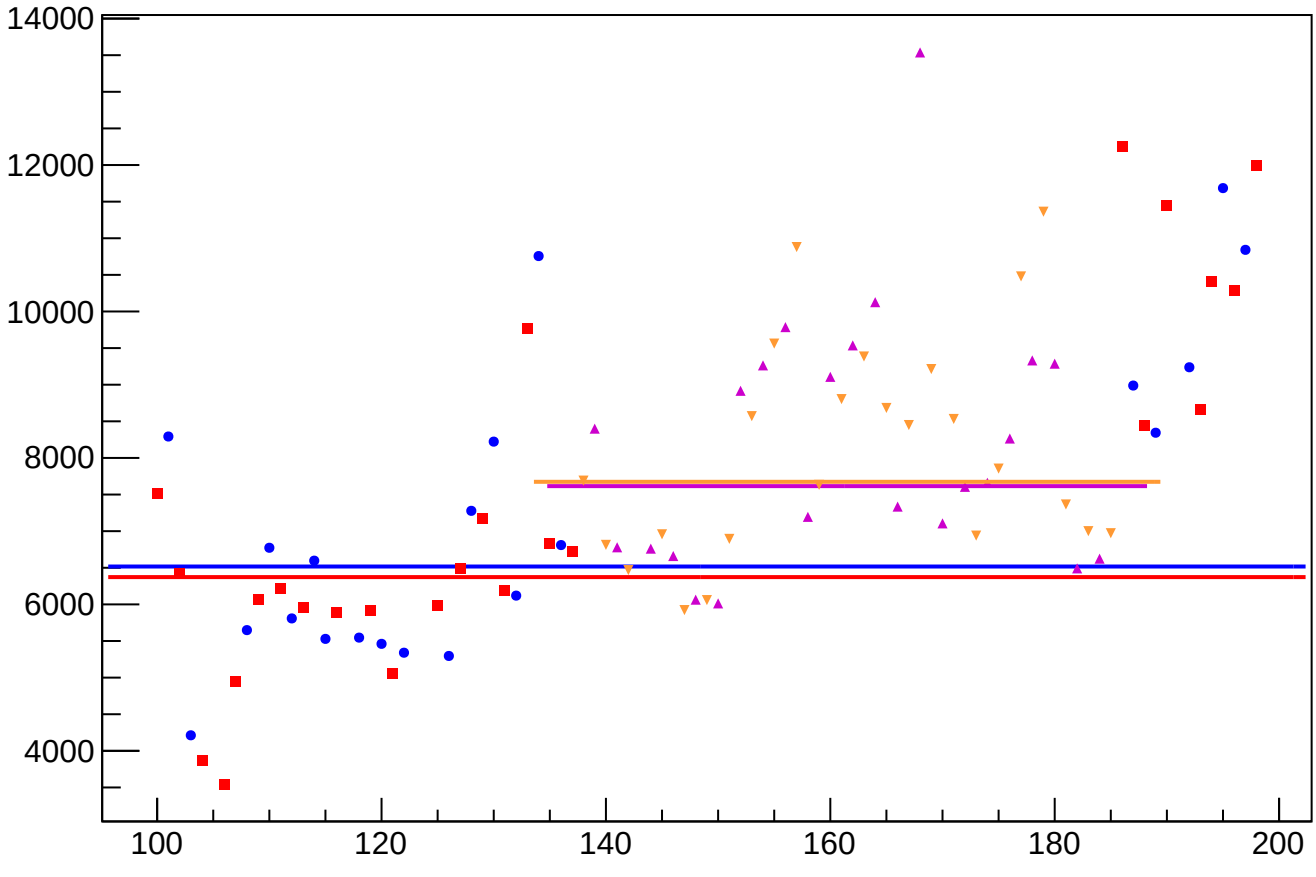
Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

Right: 1407.274+/-1413.978 χ^2/NDF: 47.8/45

In: 402.995+/-1369.388 χ^2/NDF:34.9/43

Out: 1146.250+/-1321.693 χ^2/NDF:56.3/48

All: 787.791+/-950.993 χ^2/NDF: 91.4/92



Right In: 6517.237+/-1.476 χ^2/NDF: 1635801.5/20

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6372.694+/-1.360 χ^2/NDF: 2422721.9/24

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

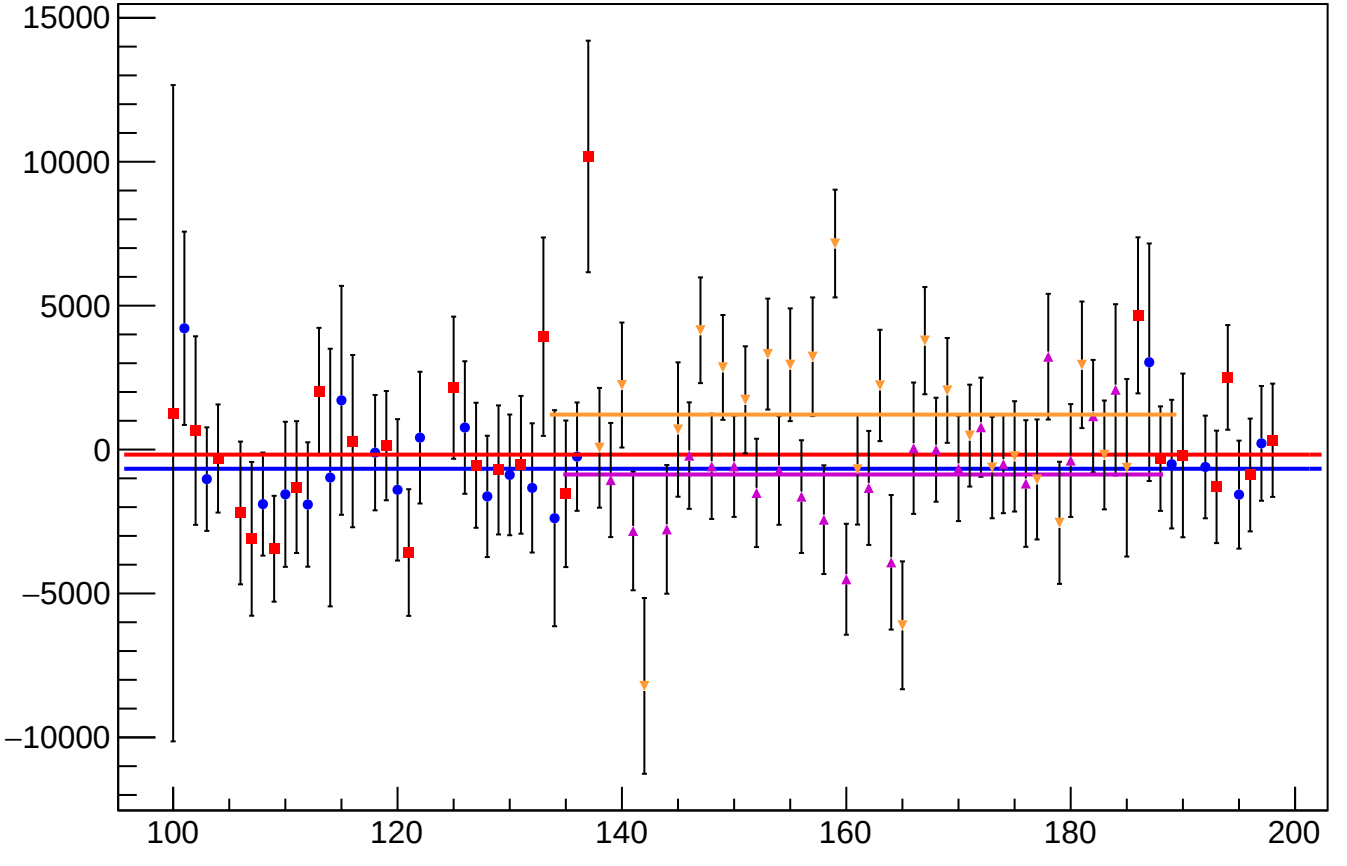
Right: 6439.061+/-1.000 χ^2/NDF: 4063713.5/45

In: 7142.231+/-0.968 χ^2/NDF:3175442.1/43

Out: 7059.093+/-0.935 χ^2/NDF:3982714.2/48

All: 7099.189+/-0.672 χ^2/NDF: 7161972.9/92

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected



Right In: -667.148+/-493.740 χ^2/NDF: 6.0/20

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: -175.769+/-462.751 χ^2/NDF: 24.0/24

Left In: -866.022+/-410.038 χ^2/NDF:15.1/22

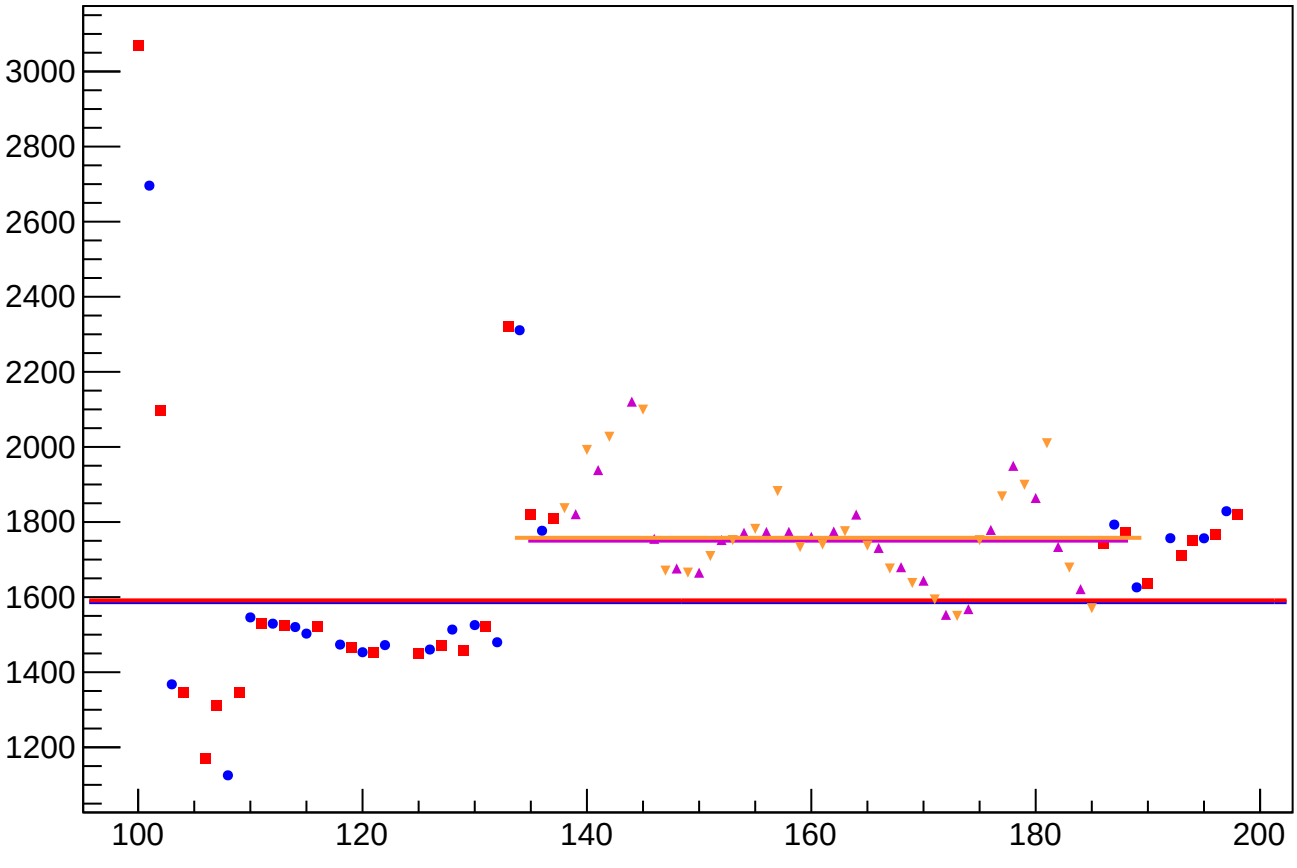
Left: 175.818+/-289.780 χ^2/NDF: 76.5/46

Right: -405.556+/-337.638 χ^2/NDF: 30.5/45

In: -784.847+/-315.443 χ^2/NDF:21.2/43

Out: 604.264+/-306.702 χ^2/NDF:77.5/48

All: -70.779+/-219.897 χ^2/NDF: 108.7/92



Right In: 1586.644+/-0.349 χ^2/NDF: 580518.4/20

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

Right Out: 1591.300+/-0.327 χ^2/NDF: 478066.1/24

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

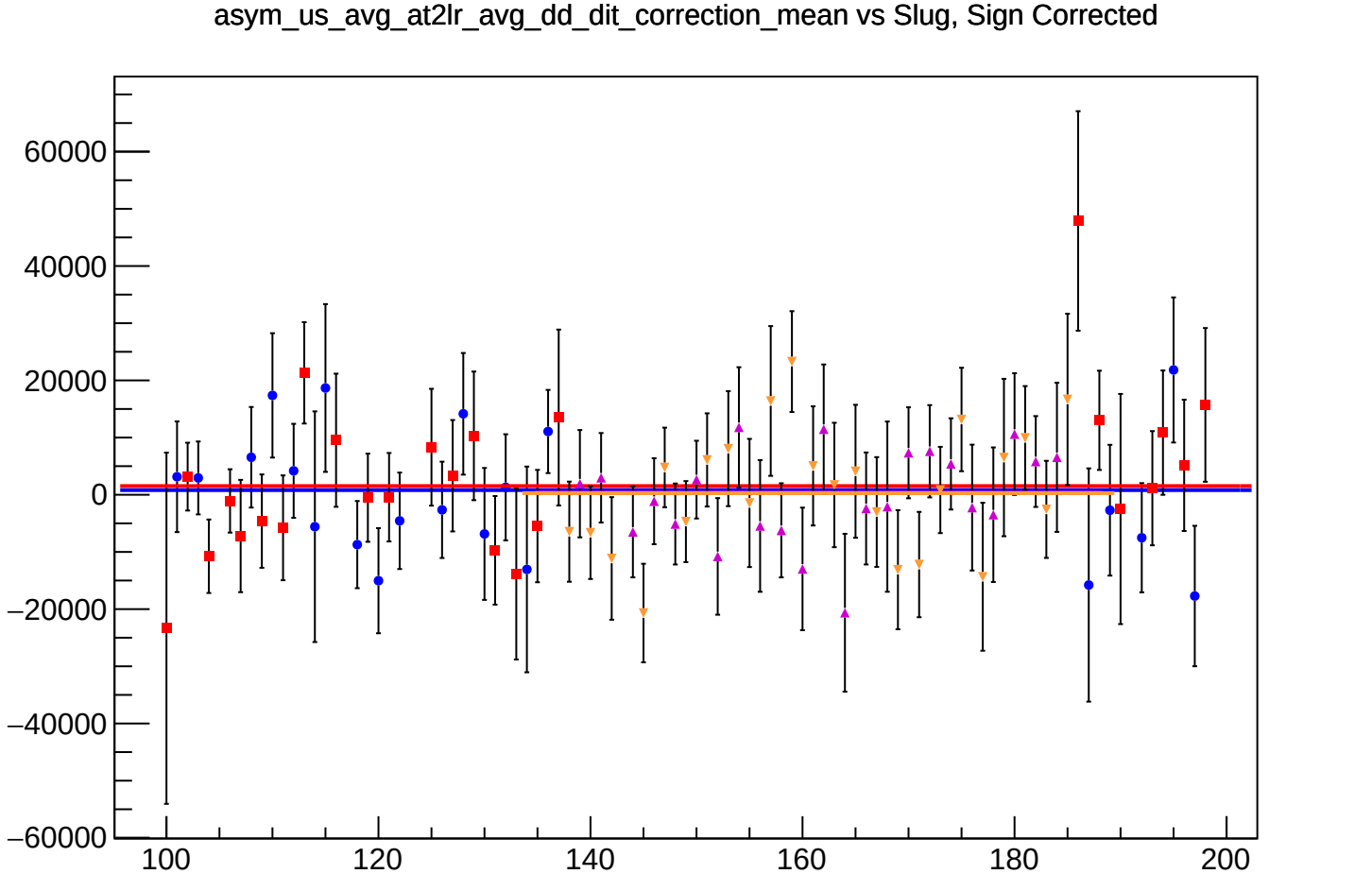
Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

Right: 1589.123+/-0.239 χ^2/NDF: 1058679.3/45

In: 1683.605+/-0.223 χ^2/NDF:882732.8/43

Out: 1684.737+/-0.217 χ^2/NDF:836850.6/48

All: 1684.187+/-0.155 χ^2/NDF: 1719596.6/92



Right In: 810.979+/-2133.713 χ^2/NDF: 20.9/20

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: 1524.002+/-1871.439 χ^2/NDF: 26.4/24

Left In: 382.660+/-1912.385 χ^2/NDF:13.6/22

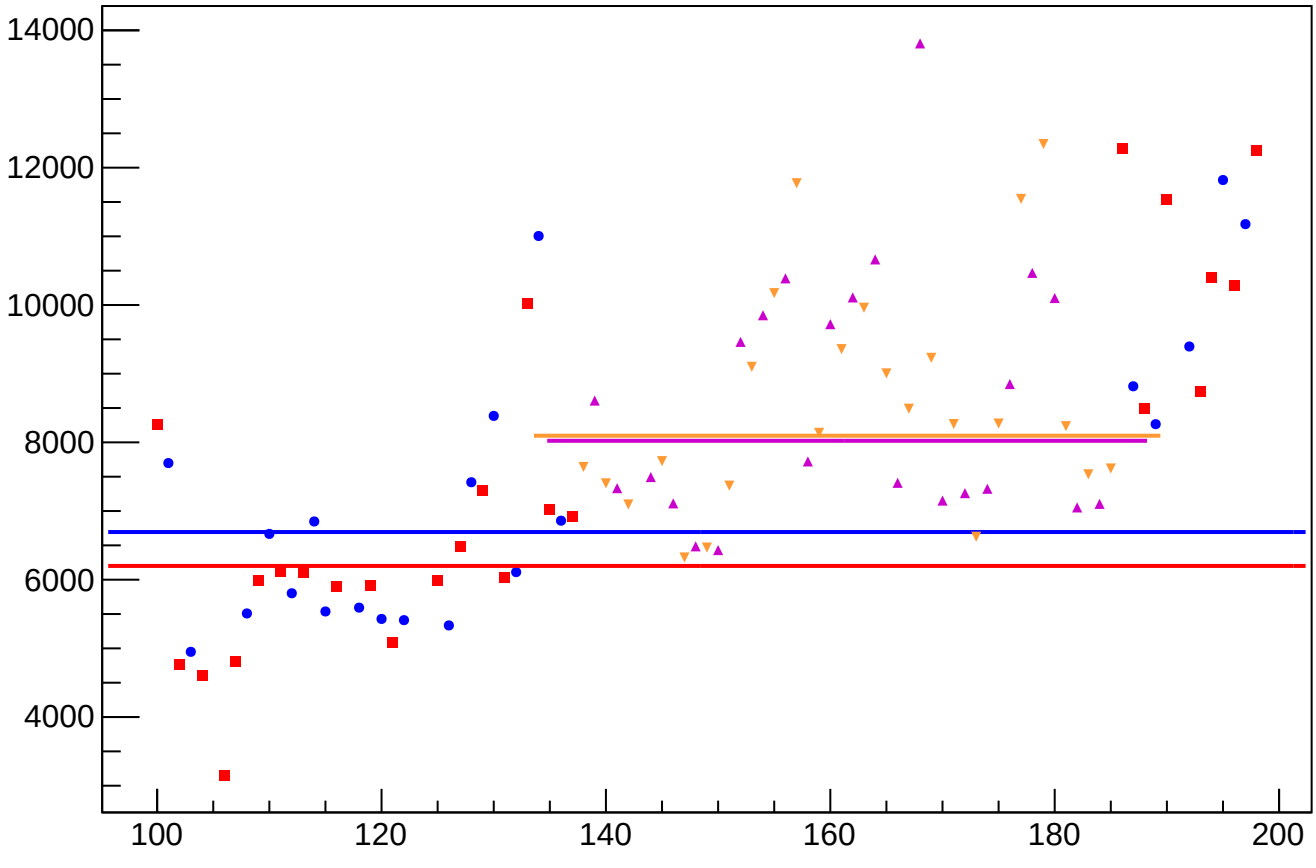
Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

Right: 1213.983+/-1406.949 χ^2/NDF: 47.4/45

In: 573.460+/-1424.102 χ^2/NDF:34.5/43

Out: 920.375+/-1340.192 χ^2/NDF:55.3/48

All: 757.438+/-975.975 χ^2/NDF: 89.9/92



Right In: 6694.102+/-1.509 χ^2/NDF: 1410616.5/20

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

Right Out: 6200.481+/-1.323 χ^2/NDF: 2680685.7/24

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

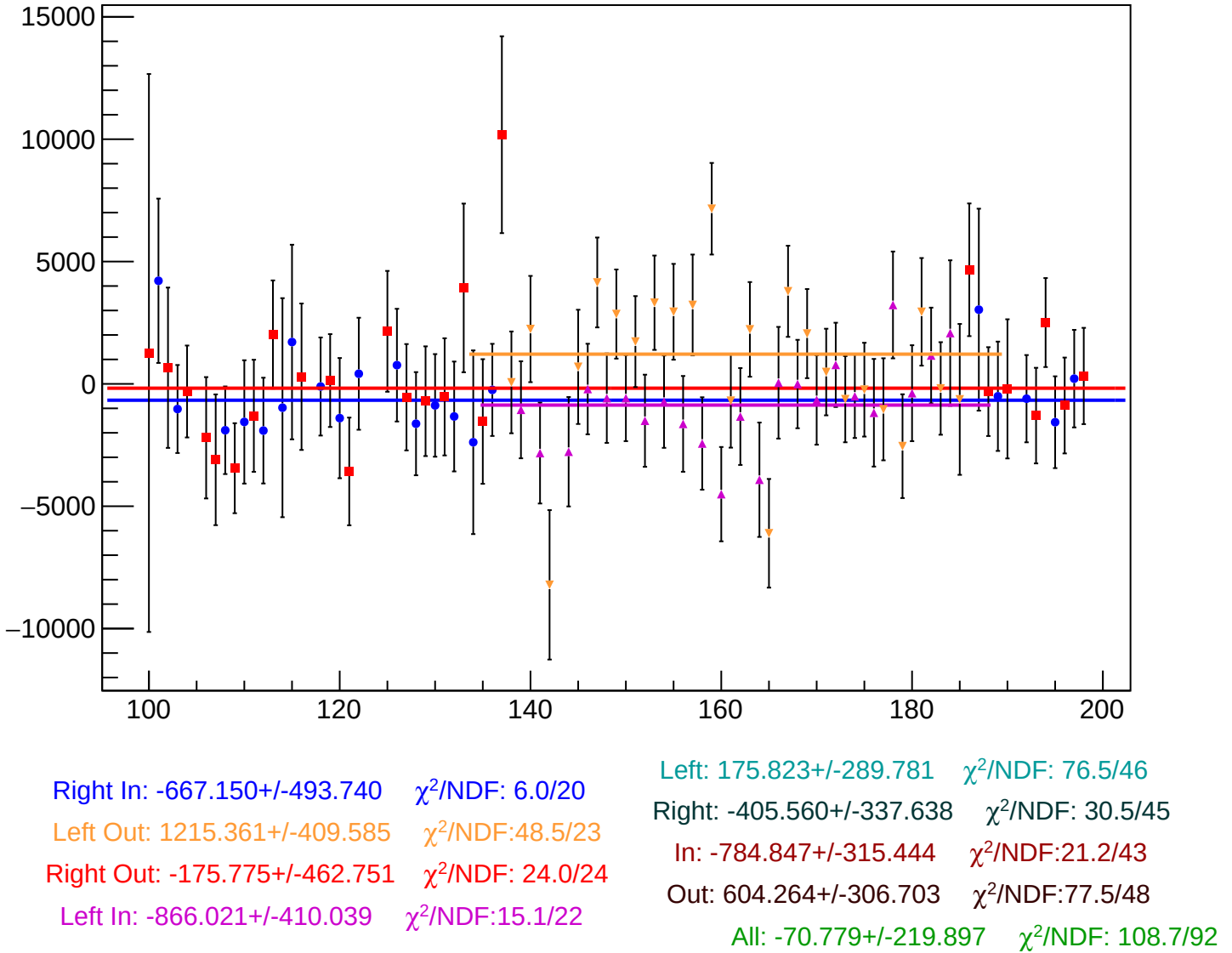
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

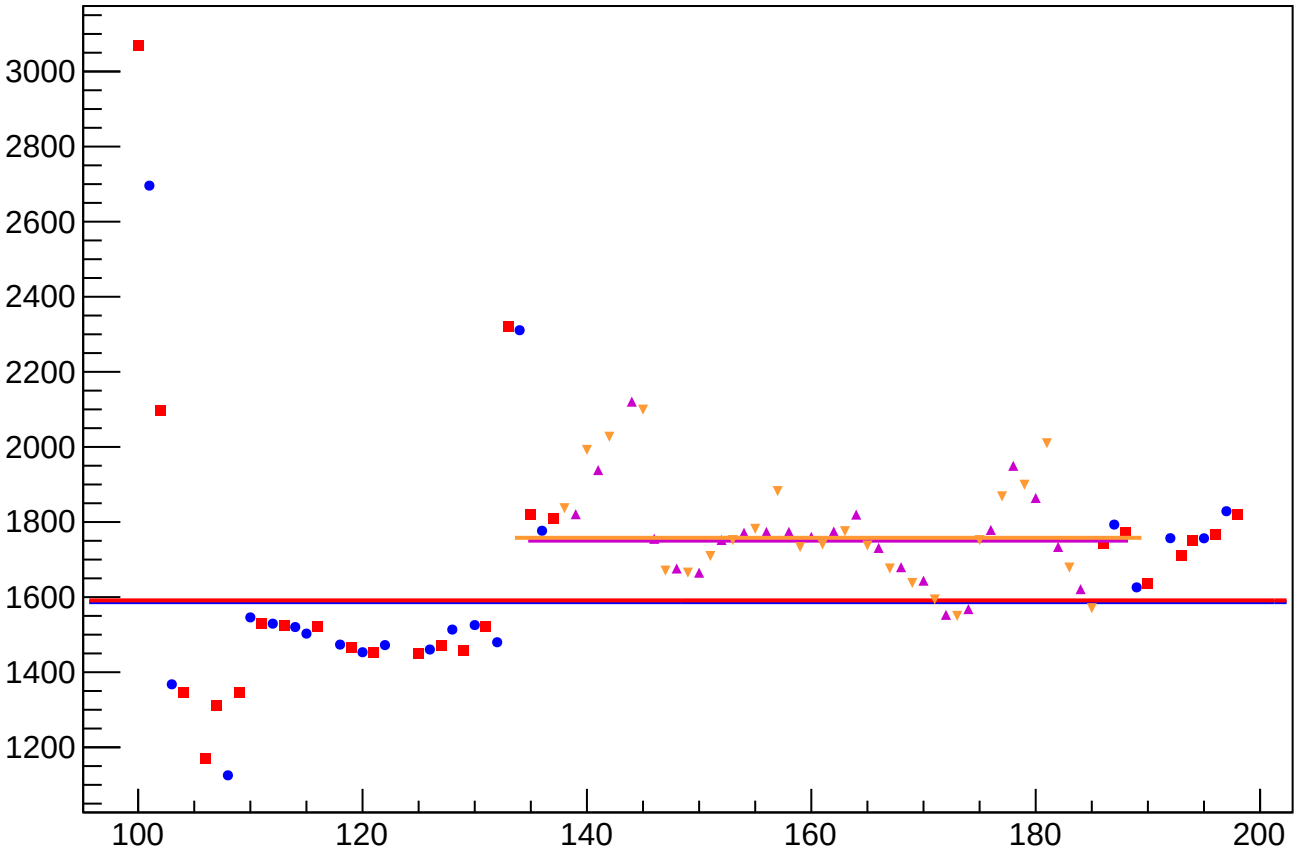
Right: 6415.105+/-0.995 χ^2/NDF: 4151801.6/45

In: 7430.875+/-1.007 χ^2/NDF:3066191.0/43

Out: 7124.300+/-0.948 χ^2/NDF:4768895.2/48

All: 7268.290+/-0.690 χ^2/NDF: 7884240.8/92


eigen_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: -667.150+/-493.740 χ²/NDF: 6.0/20
Left Out: 1215.361+/-409.585 χ²/NDF:48.5/23
Right Out: -175.775+/-462.751 χ²/NDF: 24.0/24
Left In: -866.021+/-410.039 χ²/NDF:15.1/22
Left: 175.823+/-289.781 χ²/NDF: 76.5/46
Right: -405.560+/-337.638 χ²/NDF: 30.5/45
In: -784.847+/-315.444 χ²/NDF:21.2/43
Out: 604.264+/-306.703 χ²/NDF:77.5/48
All: -70.779+/-219.897 χ²/NDF: 108.7/92



Right In: 1586.644+/-0.349 χ^2/NDF: 580518.4/20

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

Right Out: 1591.300+/-0.327 χ^2/NDF: 478067.2/24

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

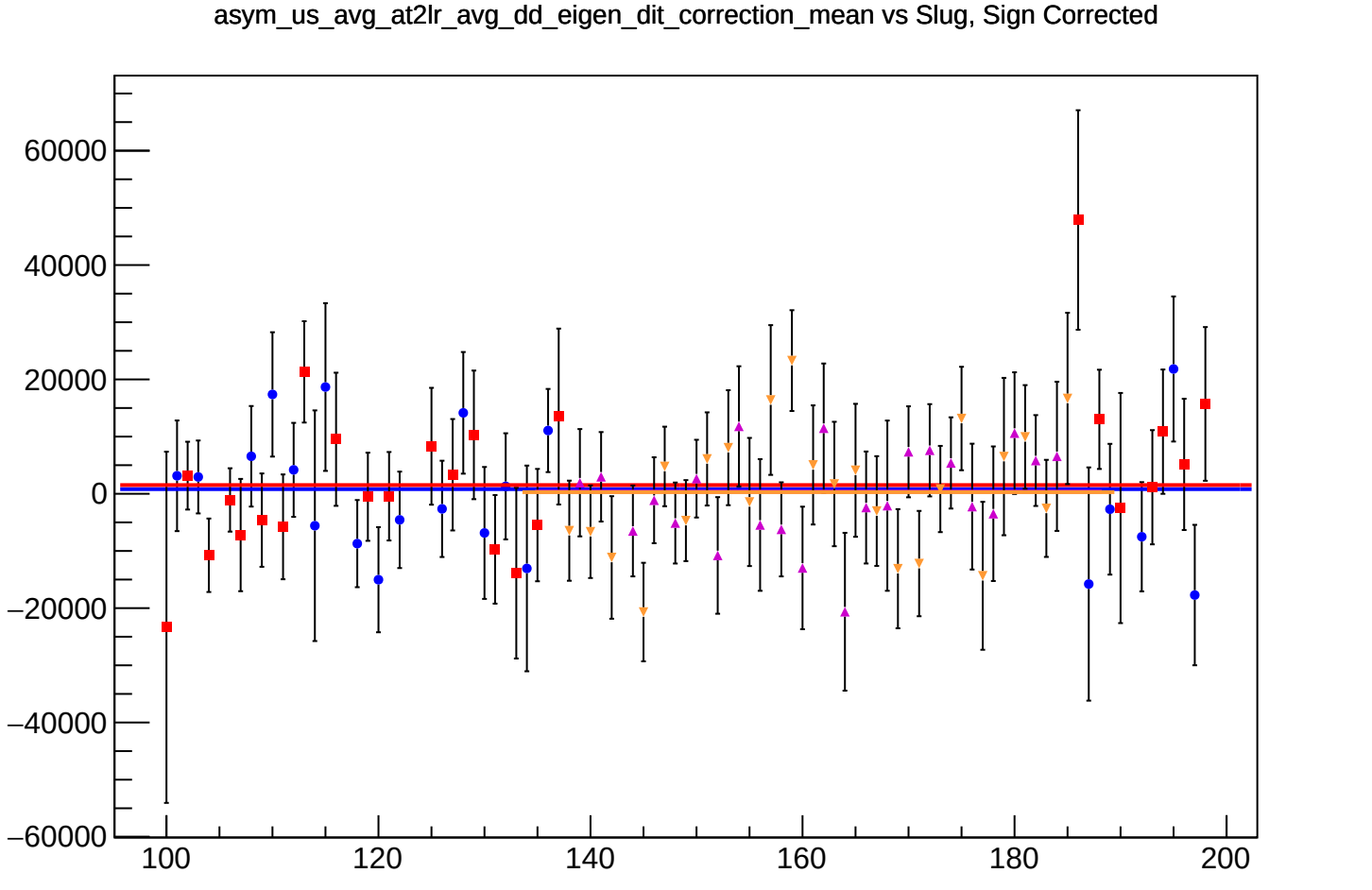
Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

Right: 1589.123+/-0.239 χ^2/NDF: 1058680.3/45

In: 1683.606+/-0.223 χ^2/NDF:882745.1/43

Out: 1684.739+/-0.217 χ^2/NDF:836864.0/48

All: 1684.188+/-0.155 χ^2/NDF: 1719622.3/92



Right In: 810.964+/-2133.709 χ^2/NDF: 20.9/20

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

Right Out: 1523.991+/-1871.436 χ^2/NDF: 26.4/24

Left In: 382.663+/-1912.388 χ^2/NDF:13.6/22

Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

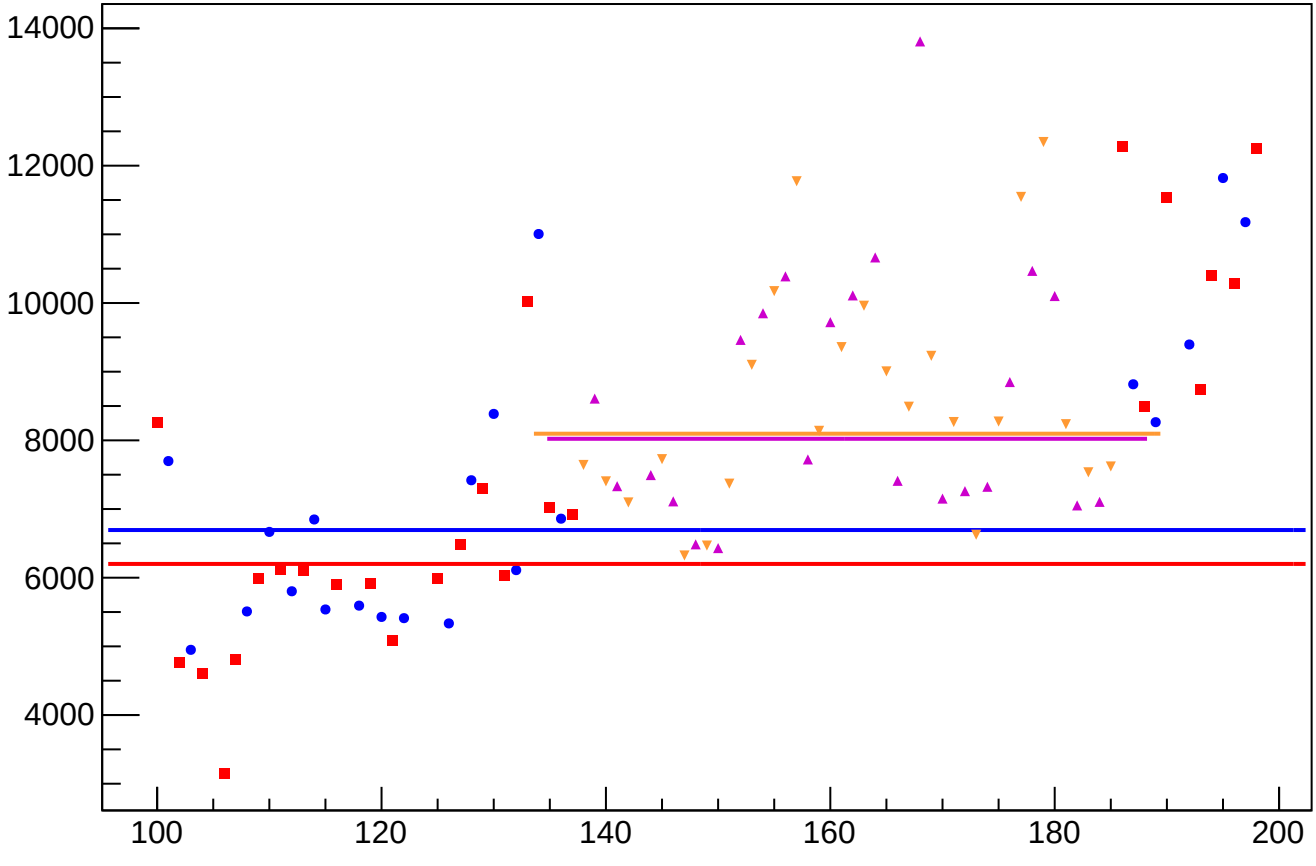
Right: 1213.970+/-1406.947 χ^2/NDF: 47.4/45

In: 573.456+/-1424.102 χ^2/NDF:34.5/43

Out: 920.371+/-1340.192 χ^2/NDF:55.3/48

All: 757.434+/-975.976 χ^2/NDF: 89.9/92

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 6694.089+/-1.509 χ^2/NDF: 1410630.5/20

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 6200.470+/-1.323 χ^2/NDF: 2680699.2/24

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

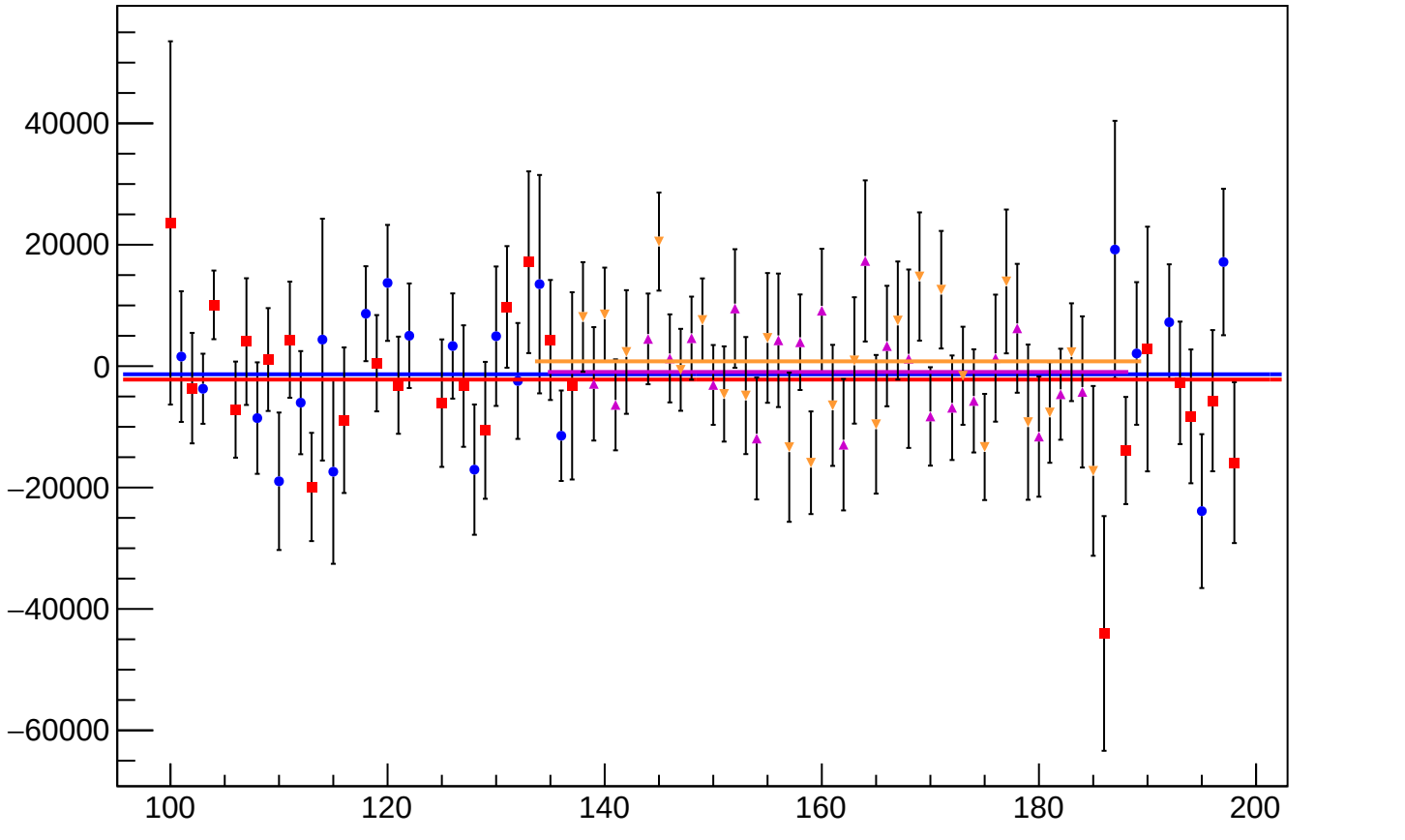
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 6415.093+/-0.995 χ^2/NDF: 4151828.9/45

In: 7430.874+/-1.007 χ^2/NDF:3066225.2/43

Out: 7124.297+/-0.948 χ^2/NDF:4768936.1/48

All: 7268.288+/-0.690 χ^2/NDF: 7884316.4/92



Right In: -1339.647+/-2156.719 χ^2/NDF: 22.1/20

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: -2212.378+/-1998.384 χ^2/NDF: 23.4/24

Left In: -963.967+/-1859.926 χ^2/NDF:12.8/22

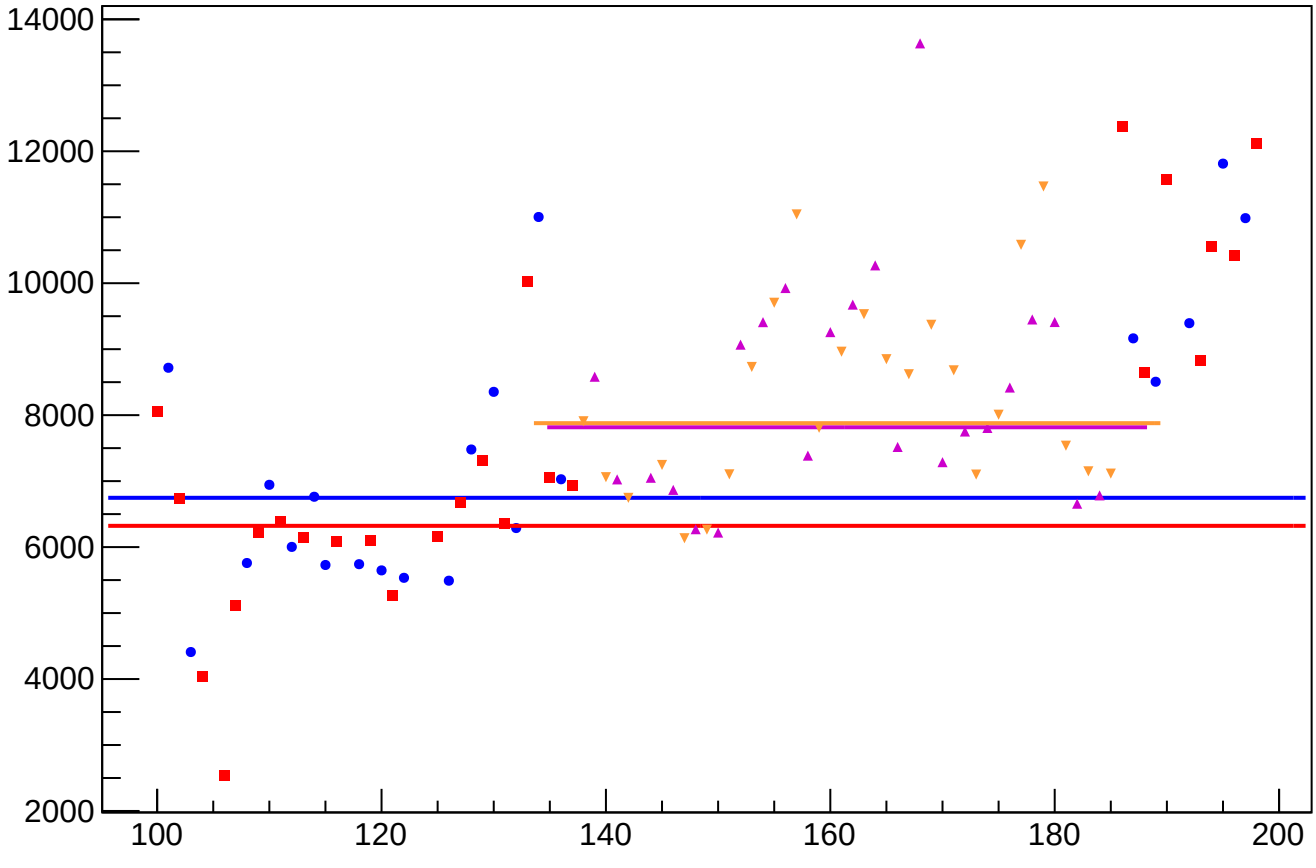
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

Right: -1809.221+/-1465.854 χ^2/NDF: 45.6/45

In: -1124.199+/-1408.505 χ^2/NDF:34.9/43

Out: -607.068+/-1363.515 χ^2/NDF:51.8/48

All: -857.243+/-979.670 χ^2/NDF: 86.8/92



Right In: 6747.184+/-1.525 χ^2/NDF: 1543553.2/20

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

Right Out: 6322.174+/-1.372 χ^2/NDF: 2972987.0/24

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

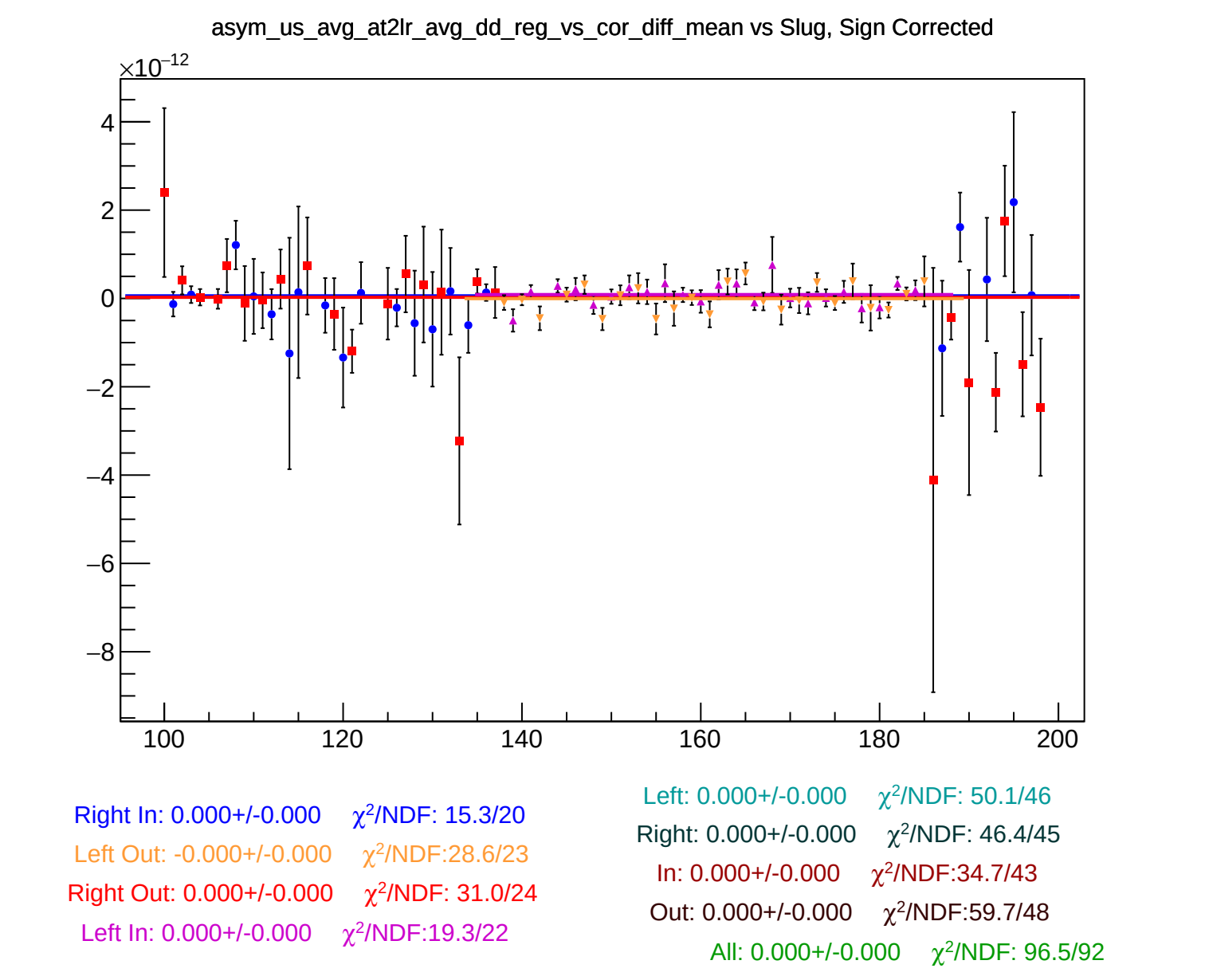
Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

Right: 6512.268+/-1.020 χ^2/NDF: 4559469.9/45

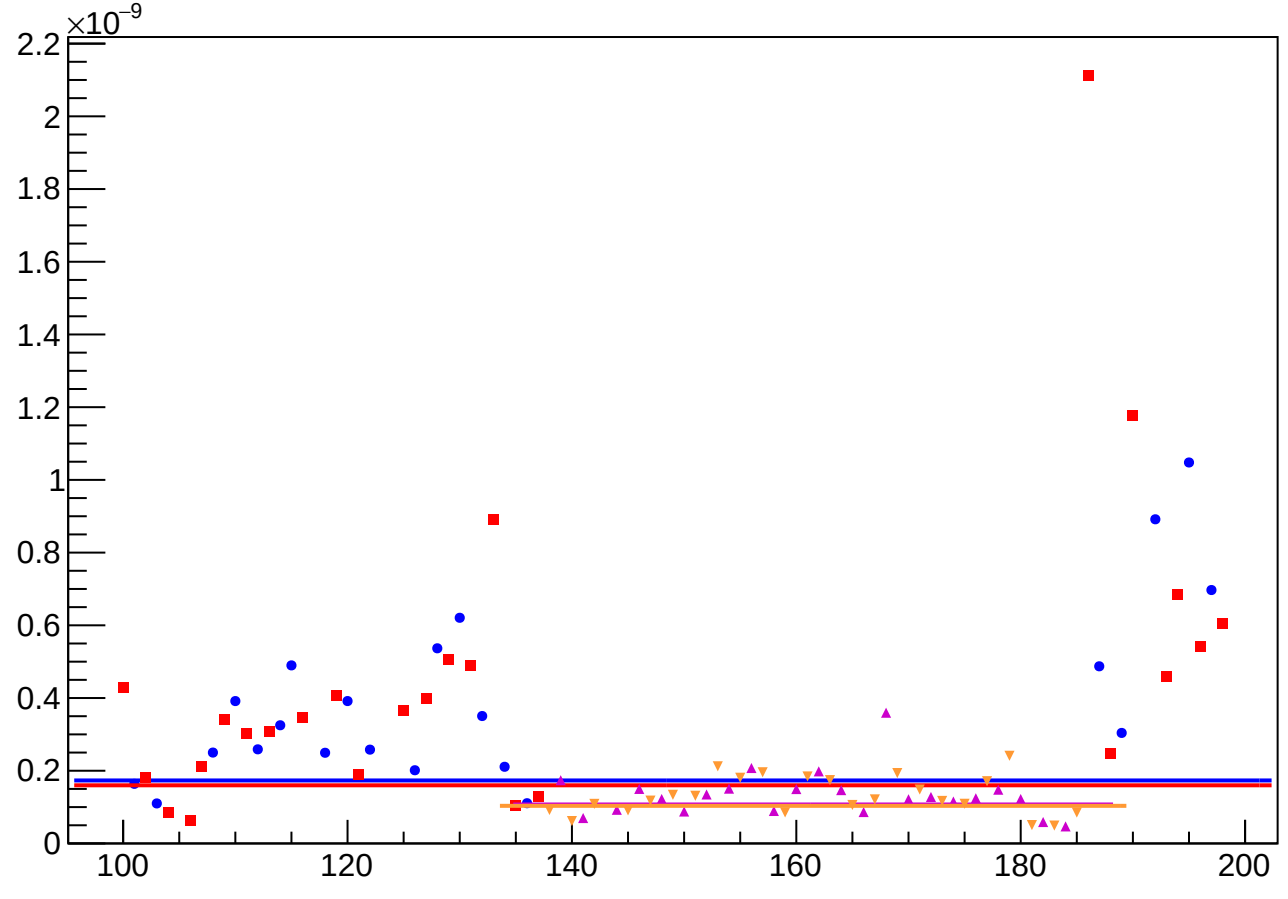
In: 7360.393+/-0.996 χ^2/NDF:2957851.0/43

Out: 7130.980+/-0.951 χ^2/NDF:4631895.5/48

All: 7240.361+/-0.688 χ^2/NDF: 7617507.1/92


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: 15.3/20
Left Out: -0.000+/-0.000 χ²/NDF:28.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 31.0/24
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: 46.4/45
In: 0.000+/-0.000 χ²/NDF:34.7/43
Out: 0.000+/-0.000 χ²/NDF:59.7/48
All: 0.000+/-0.000 χ²/NDF: 96.5/92

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2692662.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3893420.6/24

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

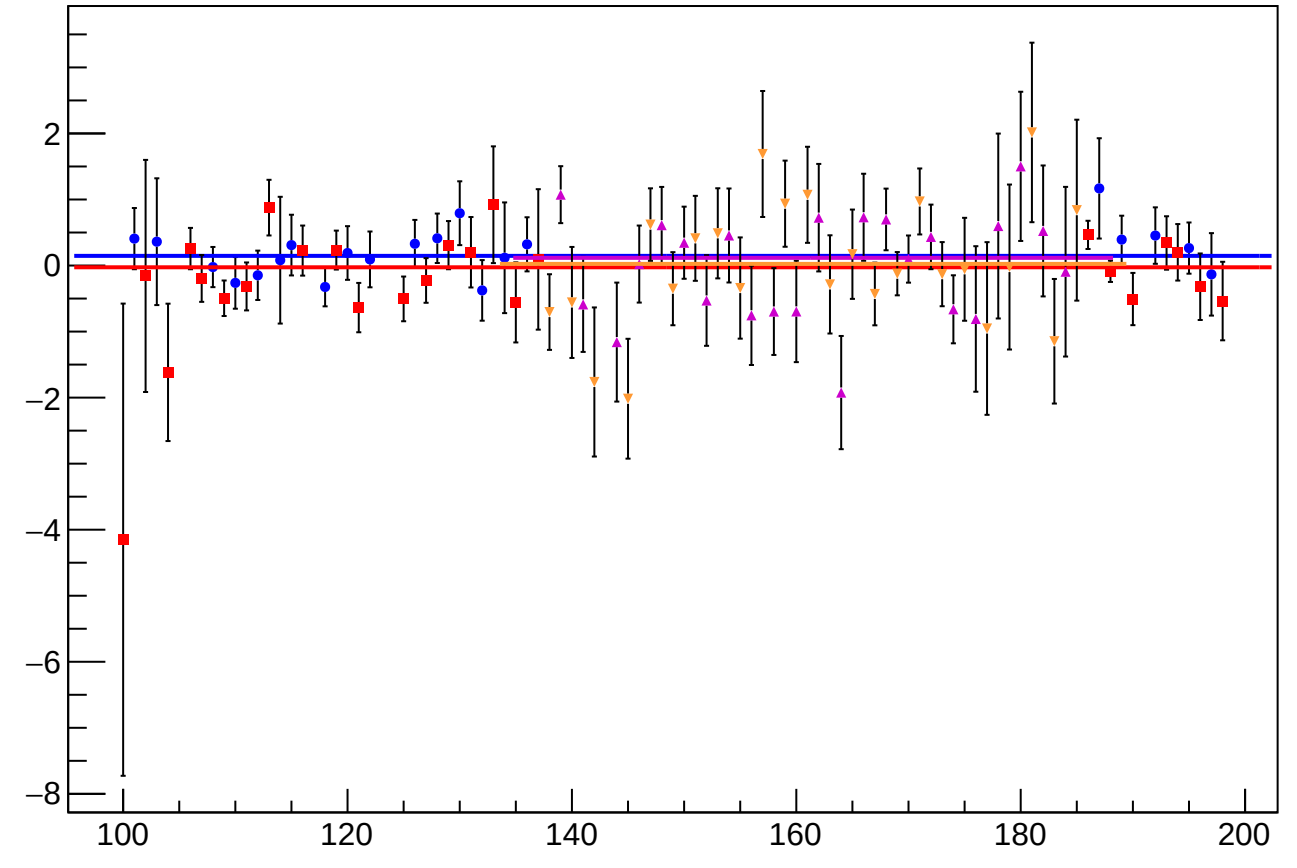
Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

Right: 0.000+/-0.000 χ^2/NDF: 6603762.9/45

In: 0.000+/-0.000 χ^2/NDF:4992616.8/43

Out: 0.000+/-0.000 χ^2/NDF:6342478.1/48

All: 0.000+/-0.000 χ^2/NDF: 11351059.7/92



Right In: 0.146+/-0.093 χ^2/NDF: 12.2/20

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.026+/-0.072 χ^2/NDF: 31.3/24

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

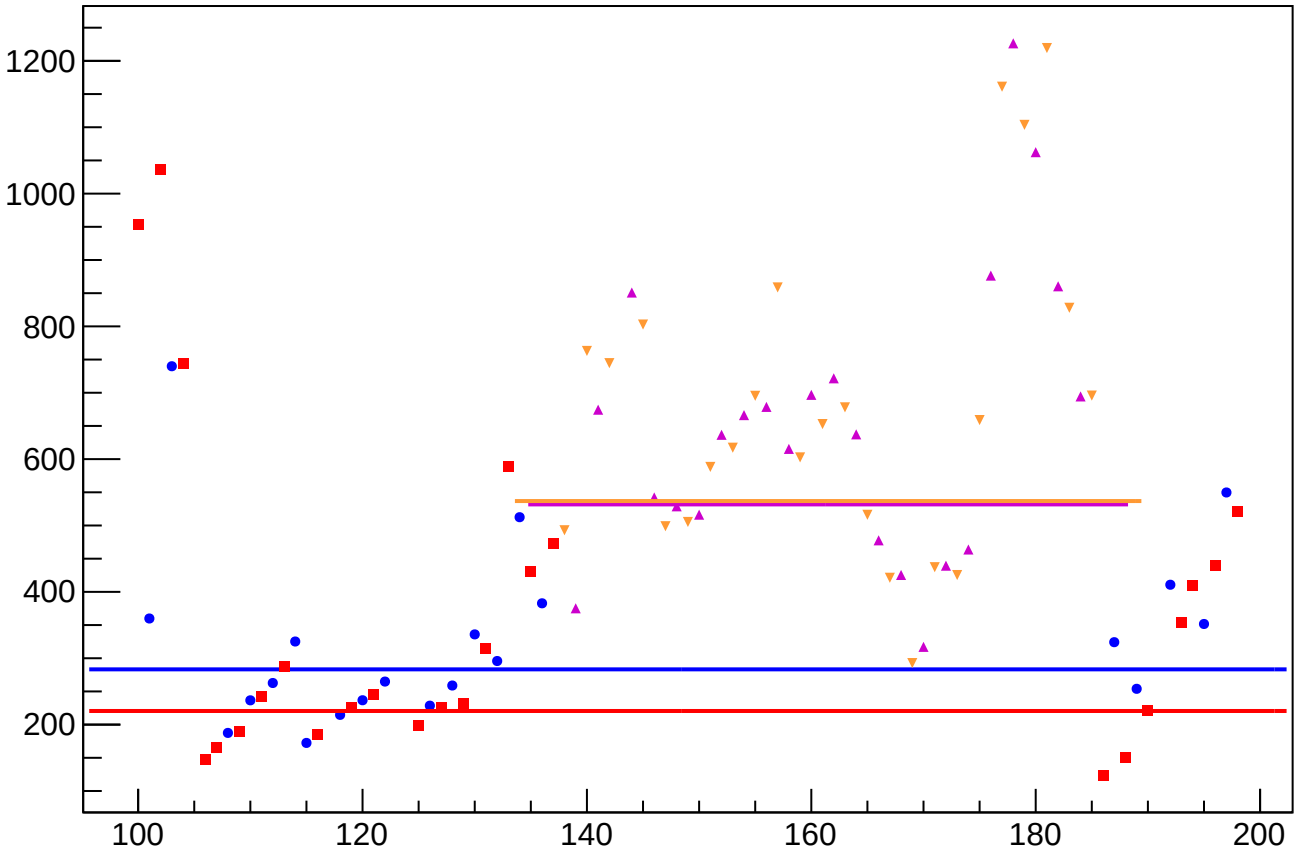
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: 0.038+/-0.057 χ^2/NDF: 45.7/45

In: 0.137+/-0.076 χ^2/NDF:40.1/43

Out: -0.015+/-0.064 χ^2/NDF:60.5/48

All: 0.047+/-0.049 χ^2/NDF: 102.9/92



Right In: 283.259+/-0.066 χ^2/NDF: 1970071.3/20

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 220.542+/-0.051 χ^2/NDF: 4353521.3/24

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

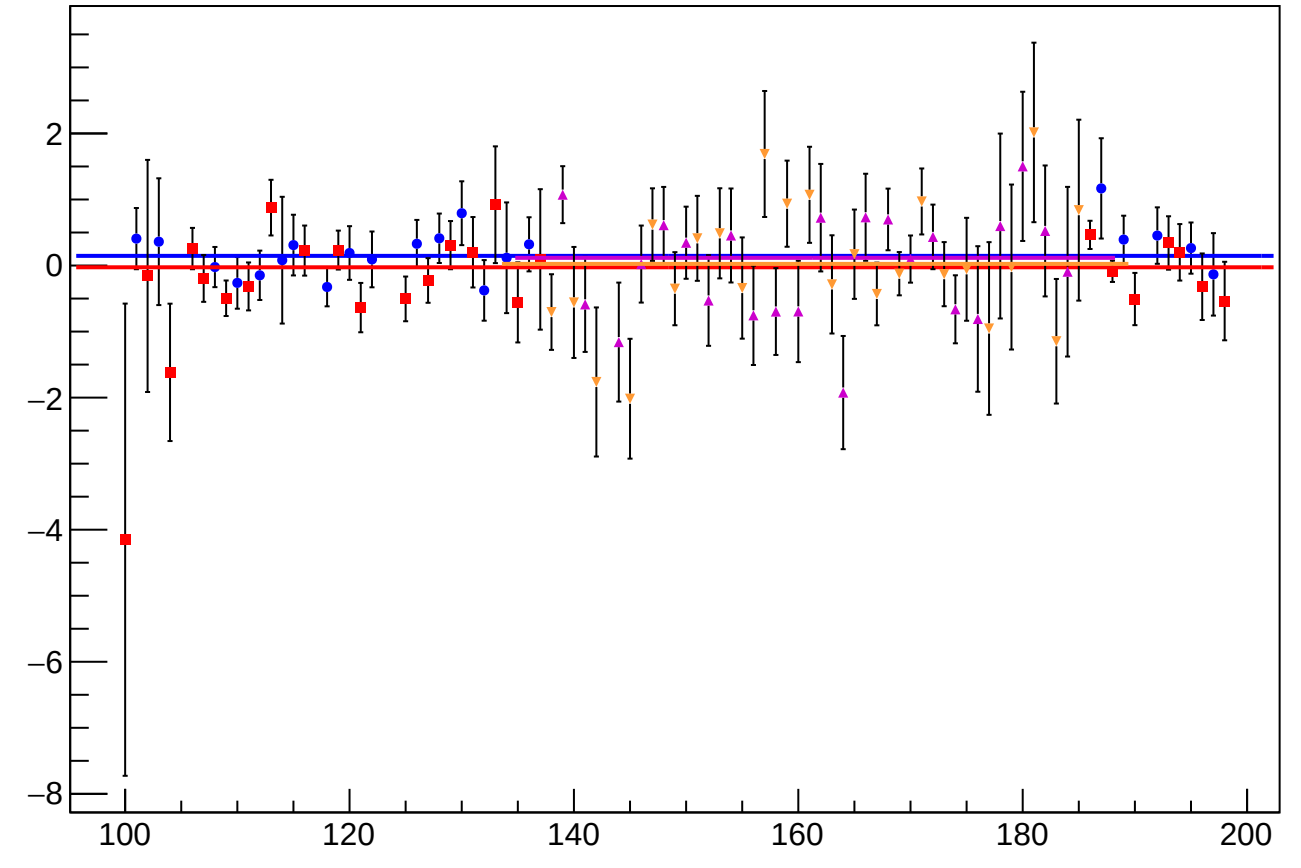
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 244.089+/-0.040 χ^2/NDF: 6886797.7/45

In: 365.783+/-0.054 χ^2/NDF:10053034.9/43

Out: 292.058+/-0.045 χ^2/NDF:16943129.1/48

All: 322.326+/-0.035 χ^2/NDF: 28095871.8/92



Right In: 0.146+/-0.093 χ^2/NDF: 12.2/20

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.026+/-0.072 χ^2/NDF: 31.3/24

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

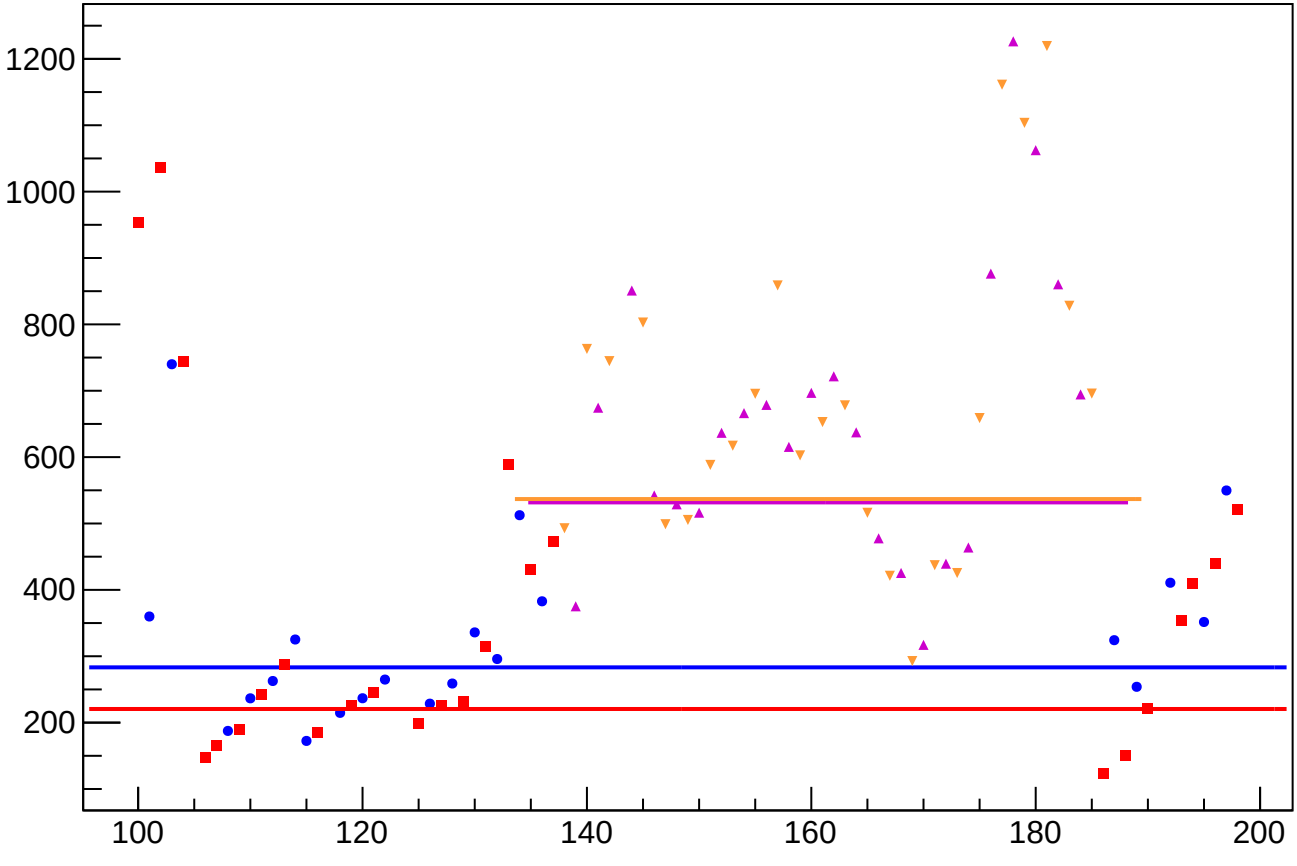
Right: 0.038+/-0.057 χ^2/NDF: 45.7/45

In: 0.137+/-0.076 χ^2/NDF:40.1/43

Out: -0.015+/-0.064 χ^2/NDF:60.5/48

All: 0.047+/-0.049 χ^2/NDF: 102.9/92

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 283.259+/-0.066 χ^2/NDF: 1970071.3/20

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 220.542+/-0.051 χ^2/NDF: 4353521.3/24

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

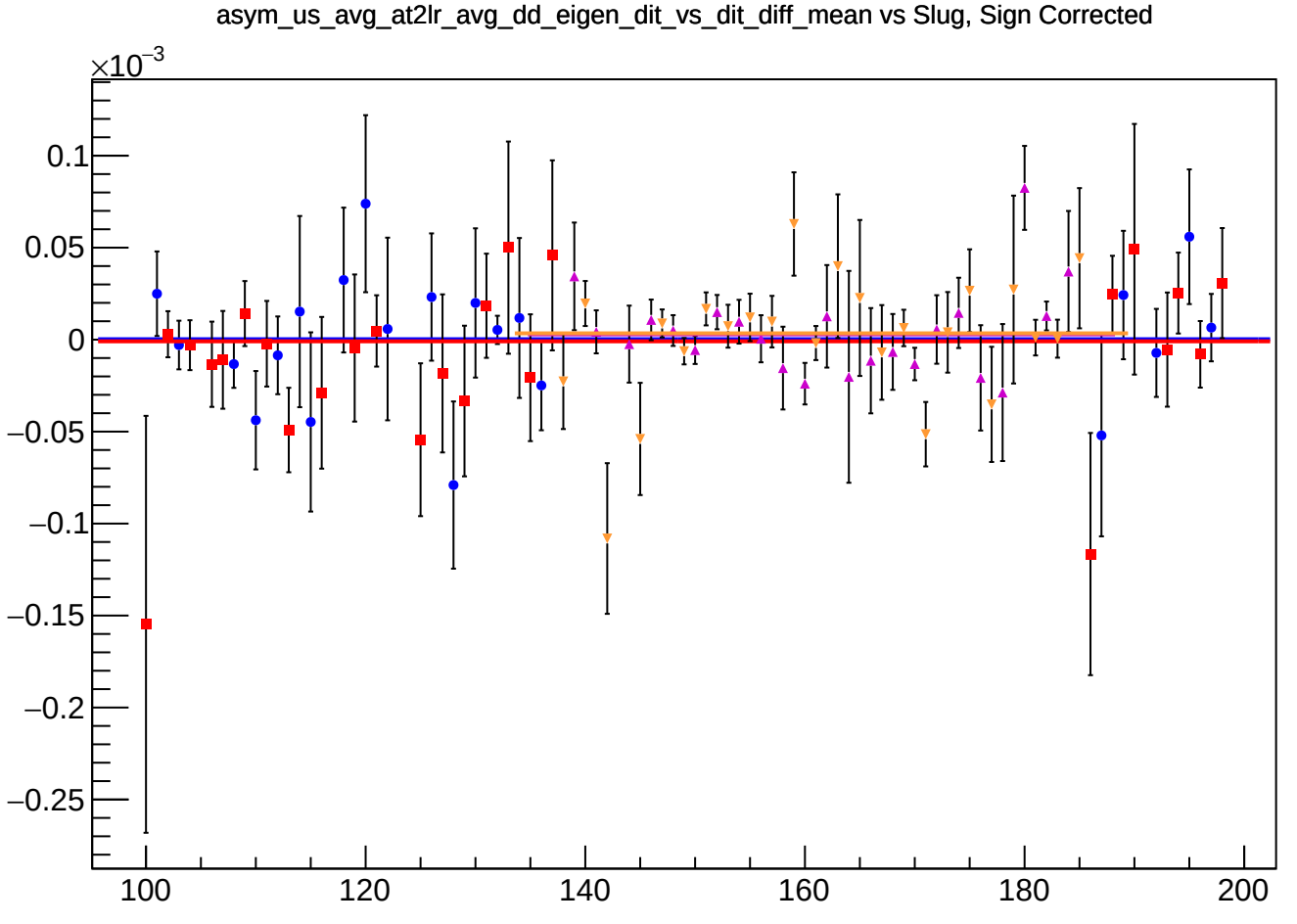
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 244.089+/-0.040 χ^2/NDF: 6886797.7/45

In: 365.783+/-0.054 χ^2/NDF:10053034.9/43

Out: 292.058+/-0.045 χ^2/NDF:16943129.1/48

All: 322.326+/-0.035 χ^2/NDF: 28095871.8/92



Right In: 0.000+/-0.000 χ^2/NDF: 18.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/24

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

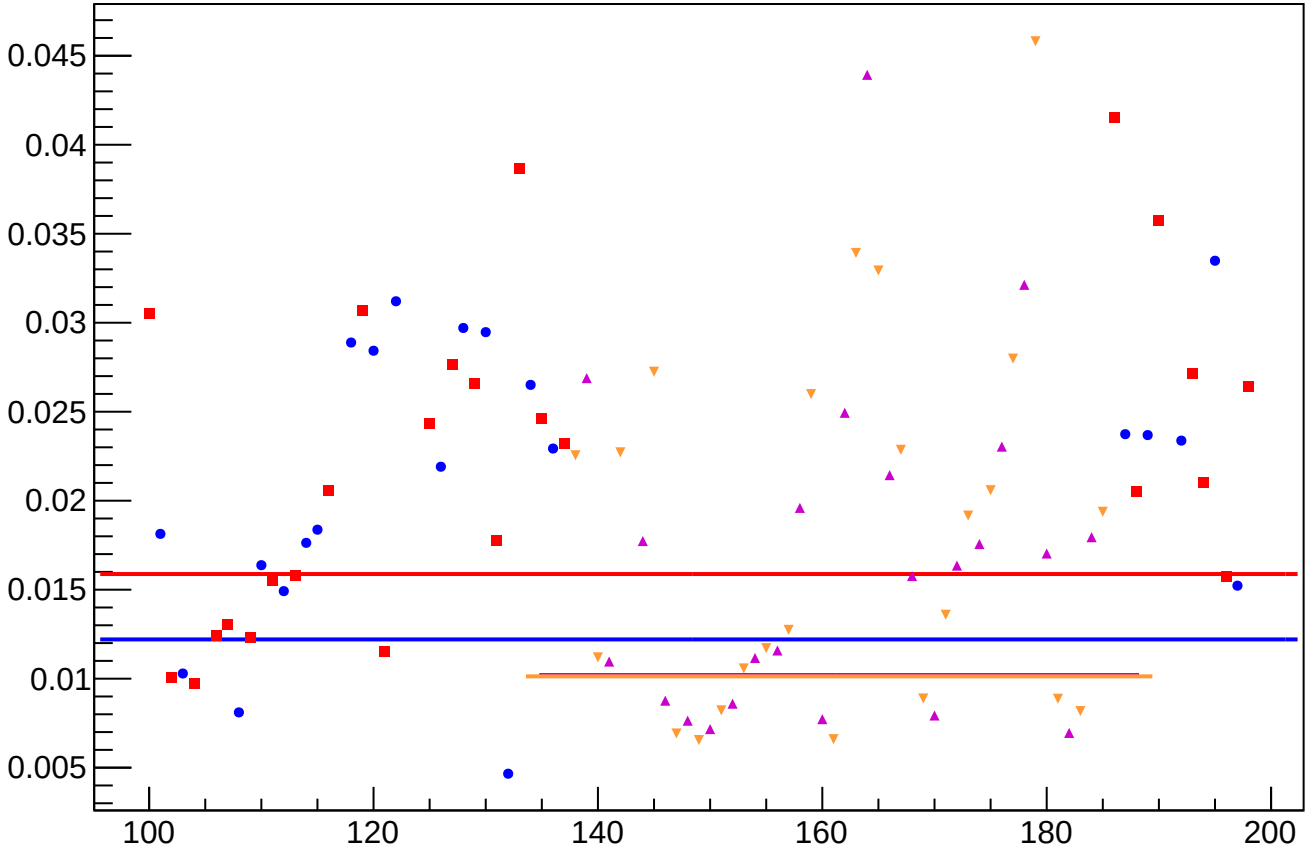
Right: -0.000+/-0.000 χ^2/NDF: 39.1/45

In: 0.000+/-0.000 χ^2/NDF:50.8/43

Out: 0.000+/-0.000 χ^2/NDF:60.4/48

All: 0.000+/-0.000 χ^2/NDF: 111.2/92

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 6214076.2/20

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.016+/-0.000 χ^2/NDF: 3473921.8/24

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

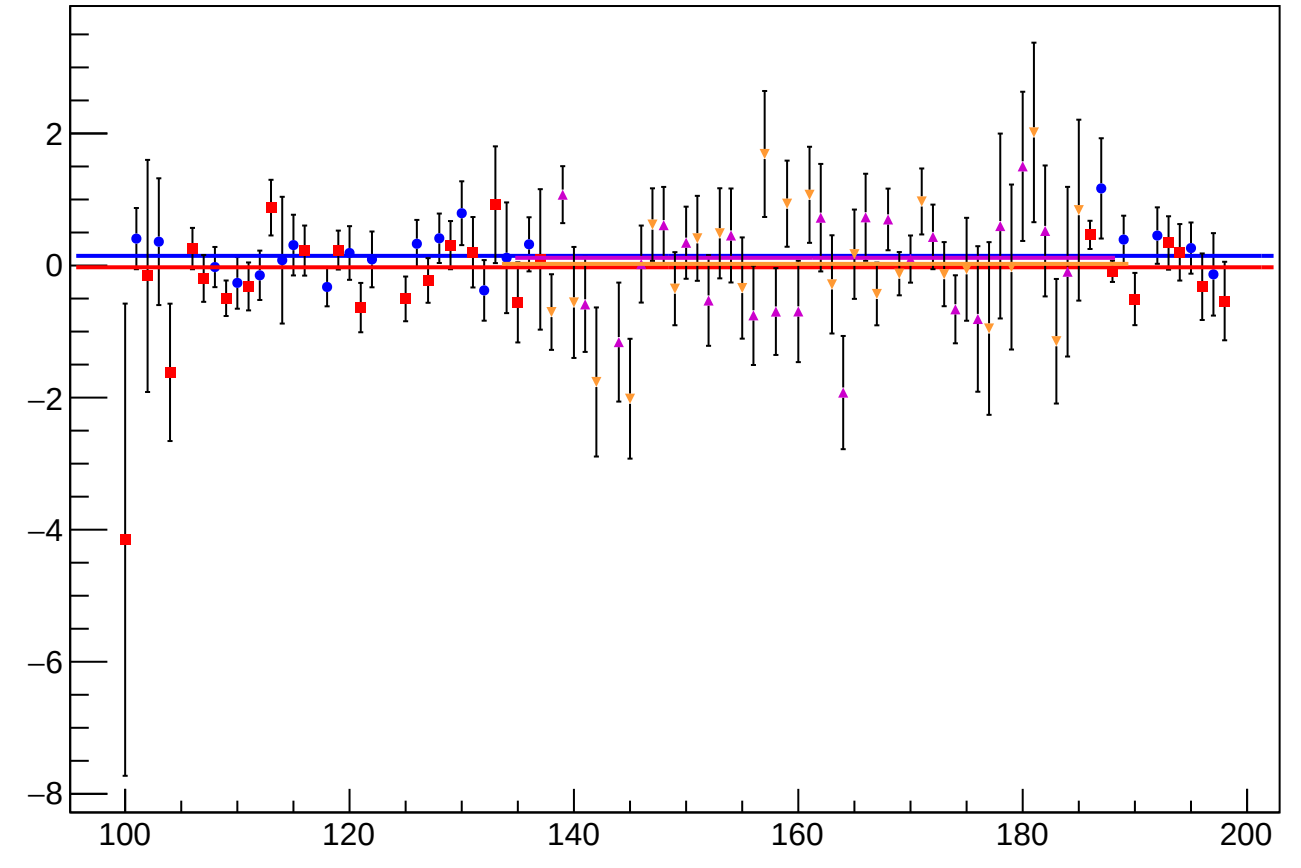
Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

Right: 0.014+/-0.000 χ^2/NDF: 10276585.6/45

In: 0.011+/-0.000 χ^2/NDF:12566570.0/43

Out: 0.011+/-0.000 χ^2/NDF:13336409.2/48

All: 0.011+/-0.000 χ^2/NDF: 25996928.9/92



Right In: 0.146+/-0.093 χ^2/NDF: 12.2/20

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.027+/-0.072 χ^2/NDF: 31.3/24

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

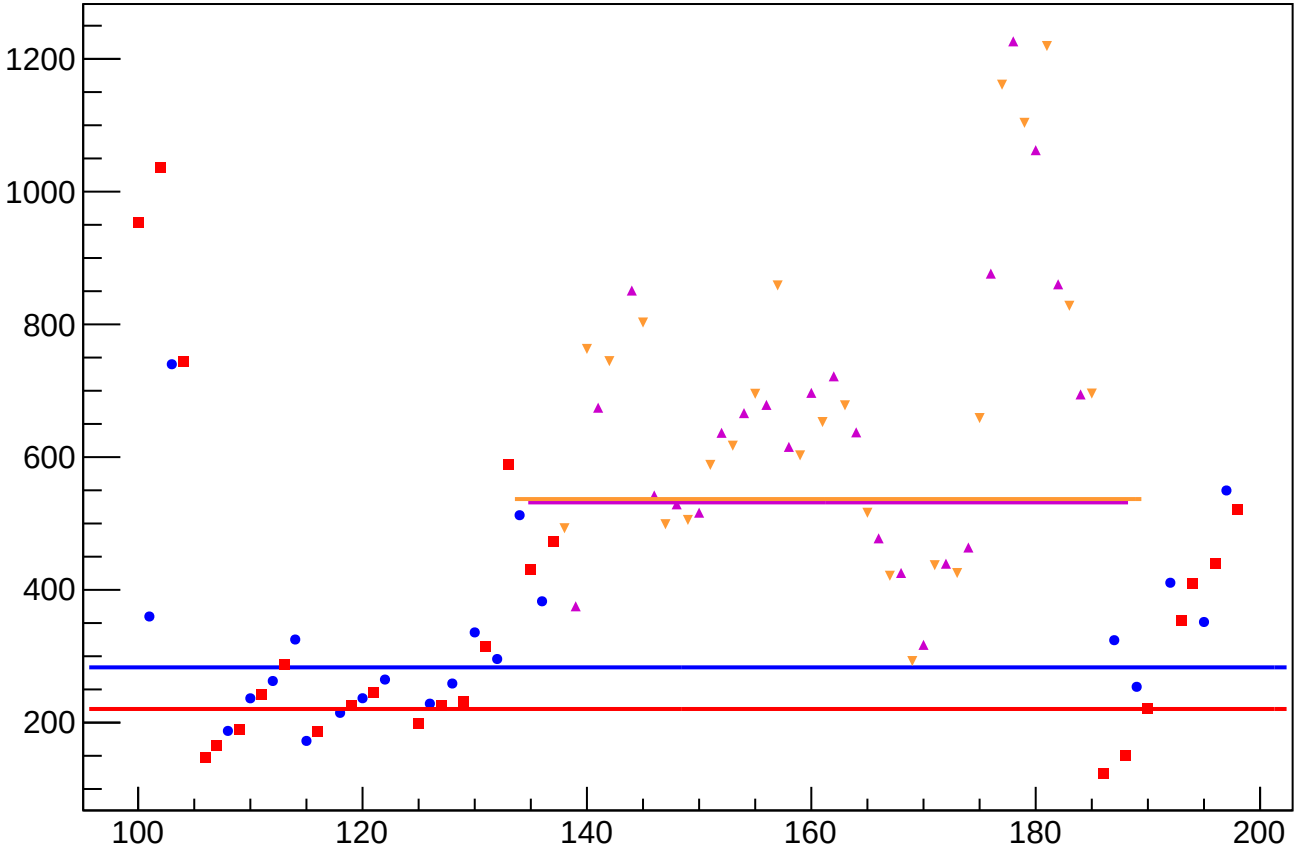
Right: 0.038+/-0.057 χ^2/NDF: 45.7/45

In: 0.137+/-0.076 χ^2/NDF:40.1/43

Out: -0.015+/-0.064 χ^2/NDF:60.5/48

All: 0.047+/-0.049 χ^2/NDF: 102.9/92

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 283.257+/-0.066 χ^2/NDF: 1970058.8/20

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 220.540+/-0.051 χ^2/NDF: 4353626.7/24

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

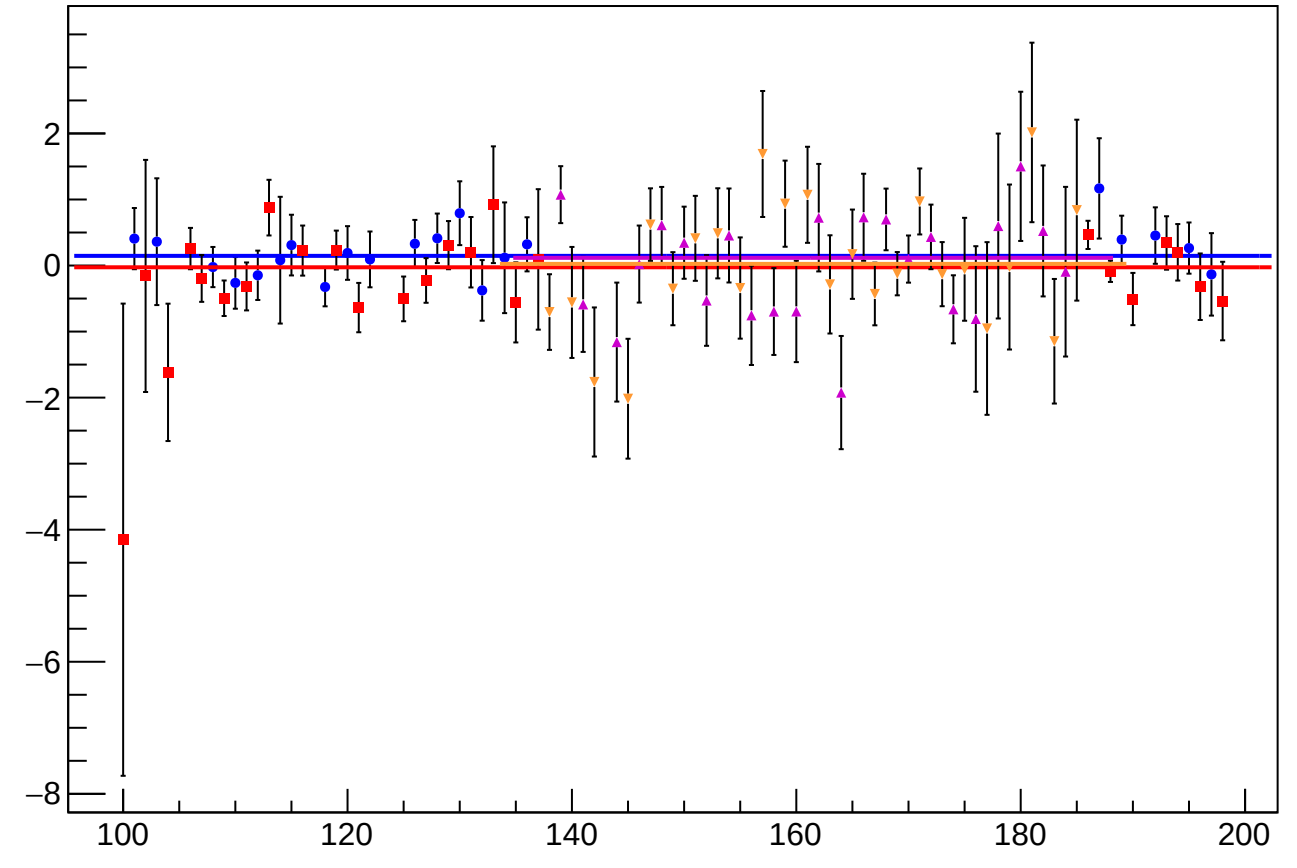
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 244.087+/-0.040 χ^2/NDF: 6886909.8/45

In: 365.781+/-0.054 χ^2/NDF:10053277.7/43

Out: 292.055+/-0.045 χ^2/NDF:16943569.8/48

All: 322.323+/-0.035 χ^2/NDF: 28096607.3/92



Right In: 0.146+/-0.093 χ^2/NDF: 12.2/20

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.027+/-0.072 χ^2/NDF: 31.3/24

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

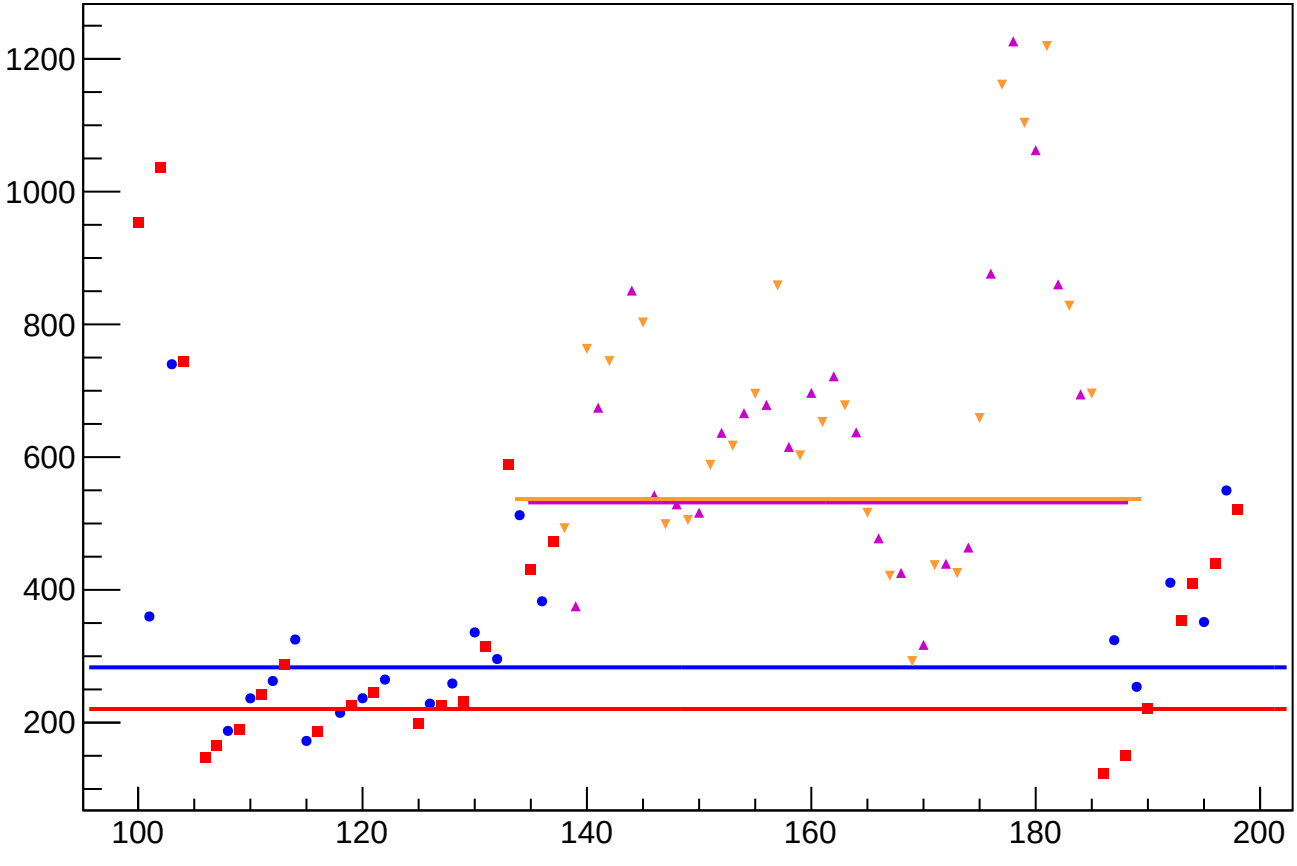
Right: 0.038+/-0.057 χ^2/NDF: 45.7/45

In: 0.137+/-0.076 χ^2/NDF:40.1/43

Out: -0.015+/-0.064 χ^2/NDF:60.5/48

All: 0.047+/-0.049 χ^2/NDF: 102.9/92

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 283.257+/-0.066 χ^2/NDF: 1970058.8/20

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 220.540+/-0.051 χ^2/NDF: 4353626.7/24

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

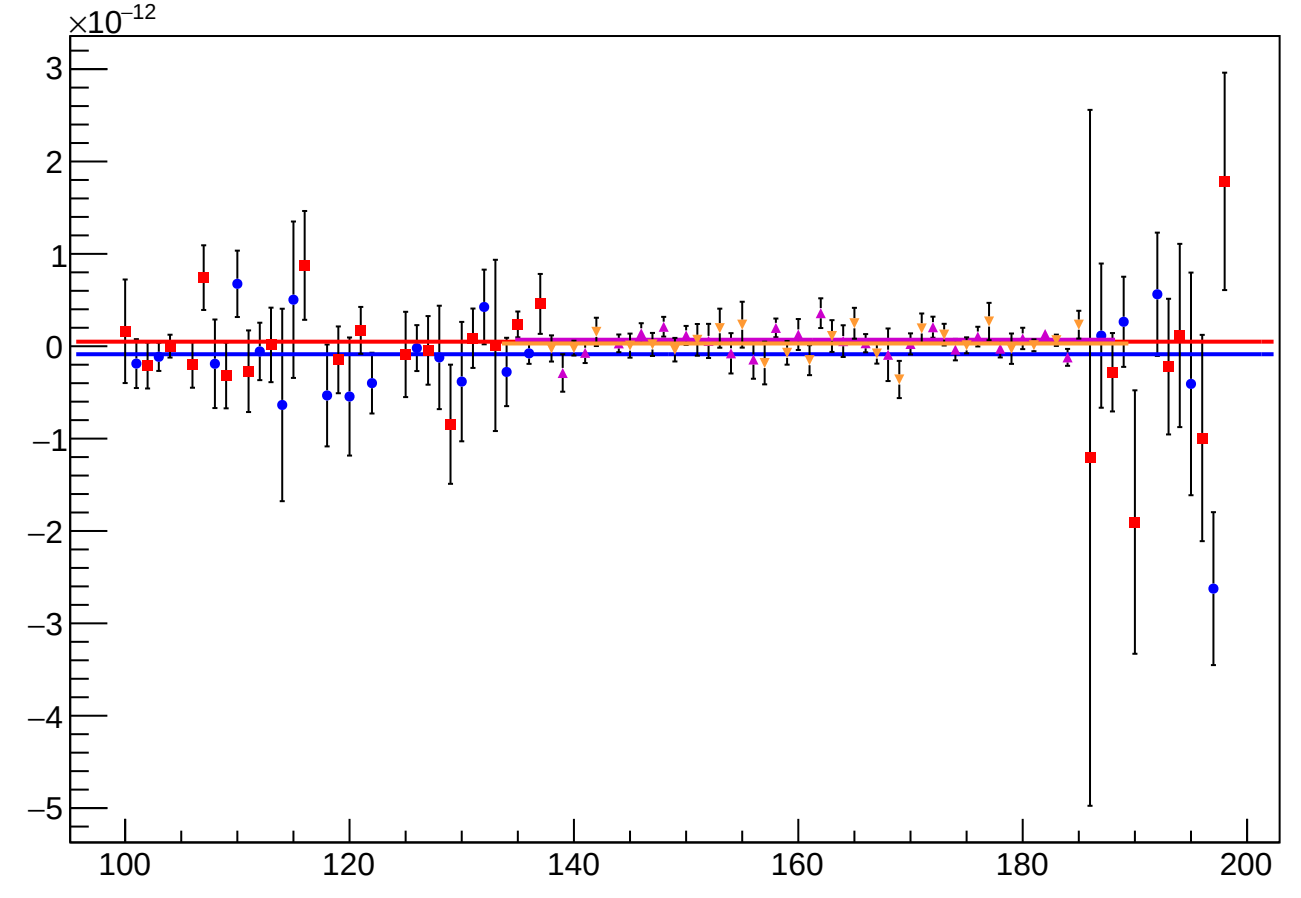
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 244.087+/-0.040 χ^2/NDF: 6886909.8/45

In: 365.781+/-0.054 χ^2/NDF:10053277.7/43

Out: 292.055+/-0.045 χ^2/NDF:16943569.8/48

All: 322.323+/-0.035 χ^2/NDF: 28096607.3/92



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/24

Left In: 0.000+/-0.000 χ^2/NDF:23.4/22

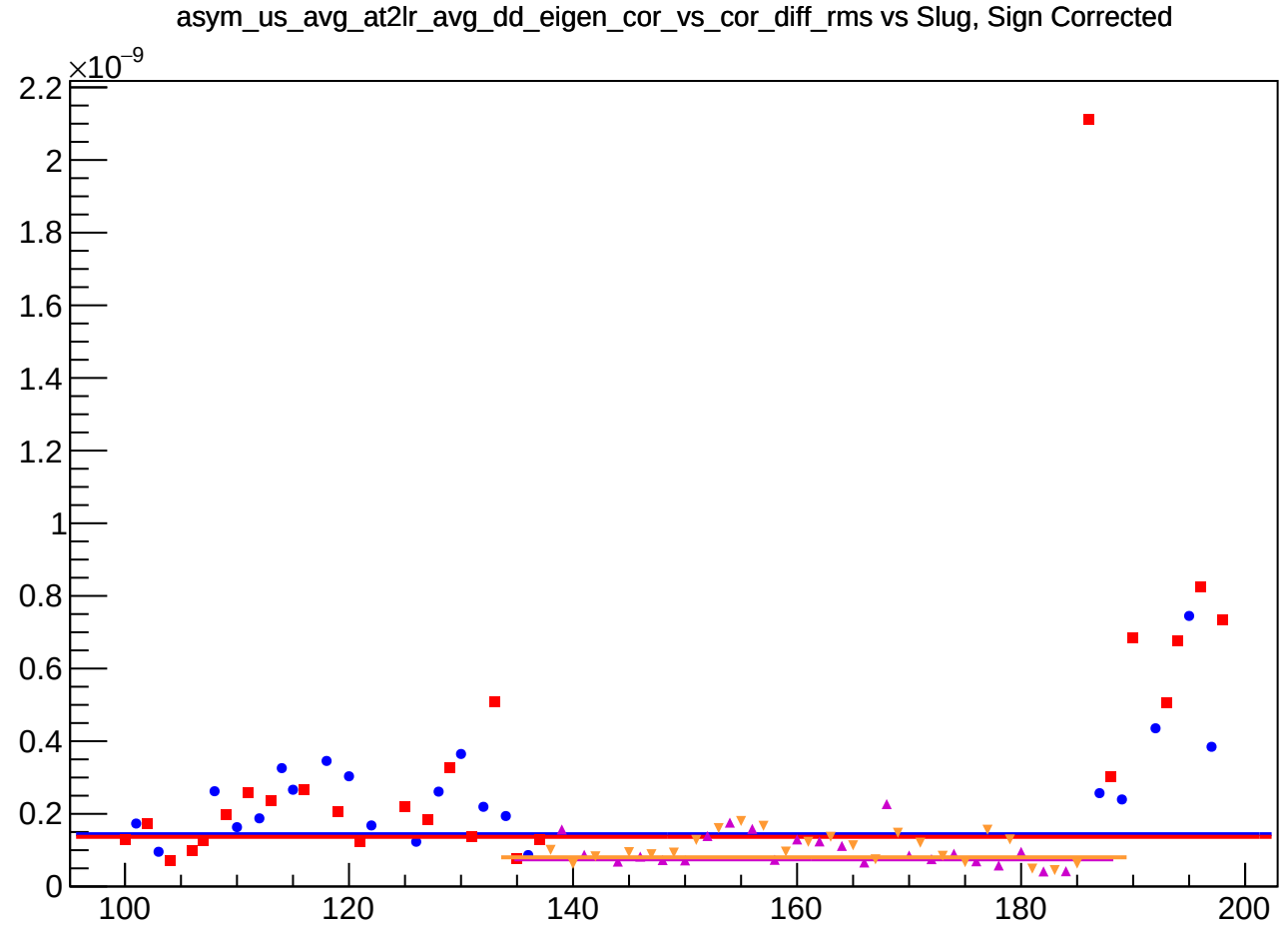
Left: 0.000+/-0.000 χ^2/NDF: 42.6/46

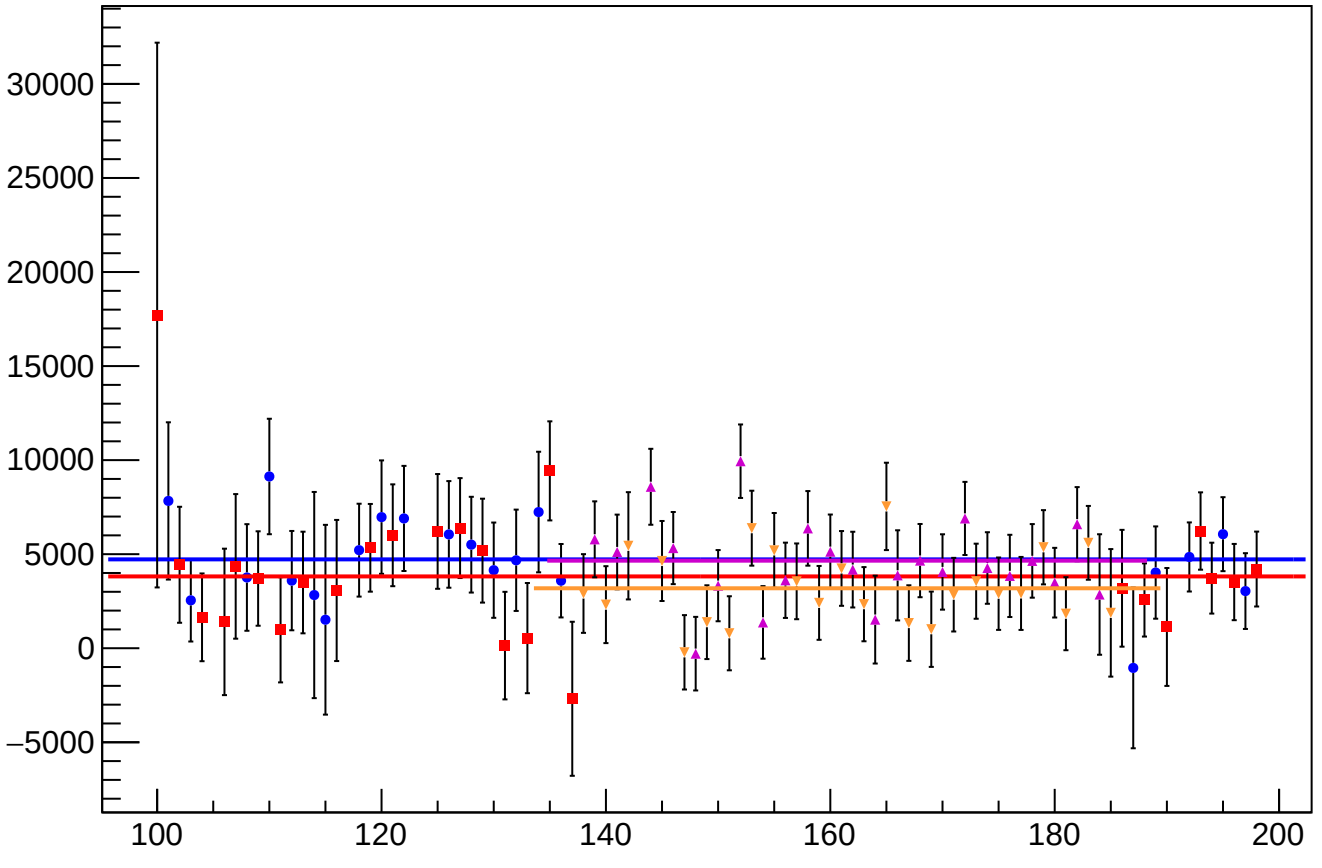
Right: -0.000+/-0.000 χ^2/NDF: 44.4/45

In: 0.000+/-0.000 χ^2/NDF:49.0/43

Out: 0.000+/-0.000 χ^2/NDF:39.4/48

All: 0.000+/-0.000 χ^2/NDF: 88.8/92


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: 3019893.2/20
Left Out: 0.000+/-0.000 χ²/NDF:3732870.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 5627411.6/24
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: 8659622.2/45
In: 0.000+/-0.000 χ²/NDF:8565122.8/43
Out: 0.000+/-0.000 χ²/NDF:10745328.6/48
All: 0.000+/-0.000 χ²/NDF: 19370765.9/92



Right In: 4723.811+/-570.765 χ^2/NDF: 10.0/20

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: 3817.467+/-530.788 χ^2/NDF: 18.8/24

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

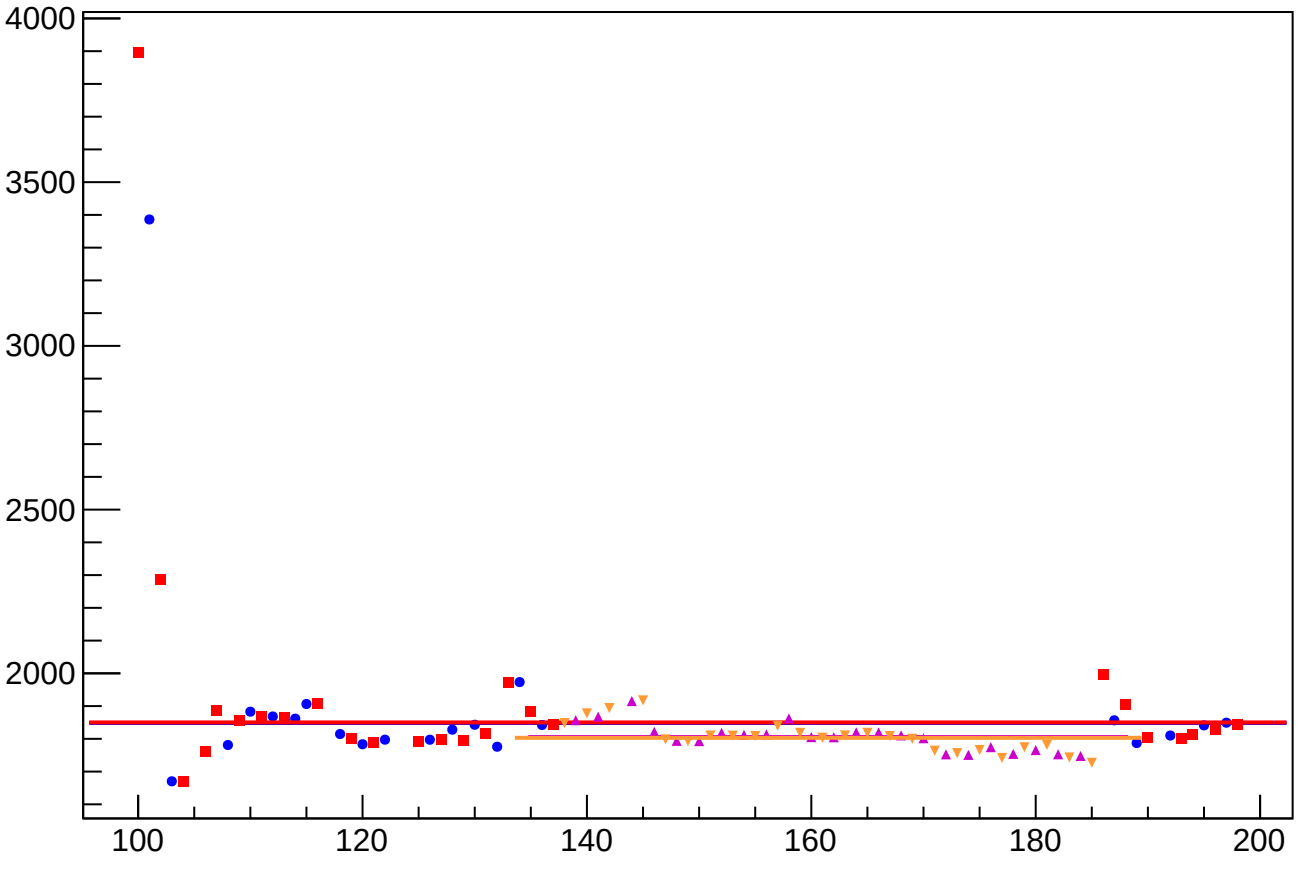
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4237.790+/-388.689 χ^2/NDF: 30.2/45

In: 4679.431+/-339.165 χ^2/NDF:37.7/43

Out: 3428.848+/-328.694 χ^2/NDF:39.5/48

All: 4034.538+/-236.037 χ^2/NDF: 84.3/92



Right In: 1848.394+/-0.404 χ^2/NDF: 294995.4/20

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1850.086+/-0.375 χ^2/NDF: 110846.9/24

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

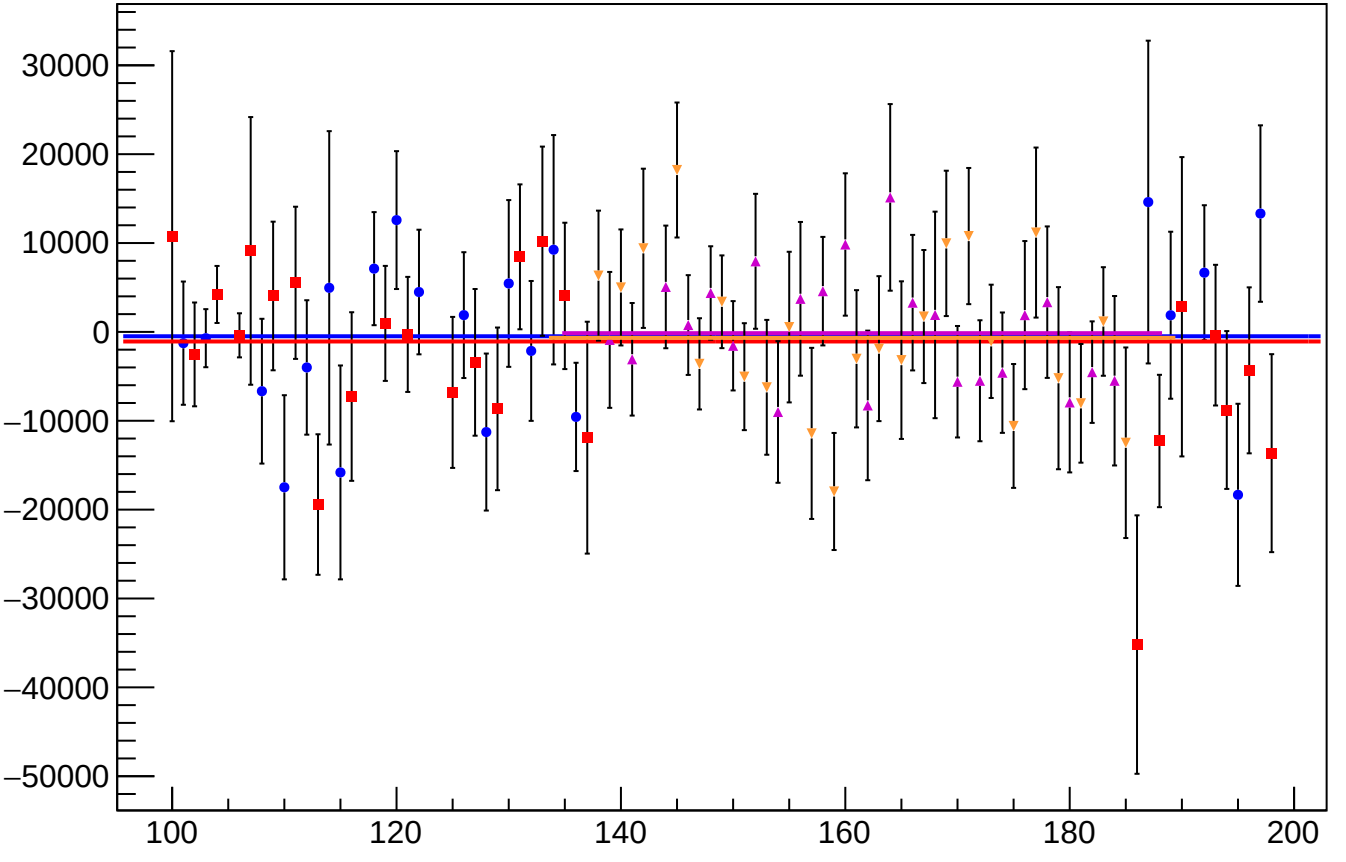
Right: 1849.303+/-0.275 χ^2/NDF: 405851.7/45

In: 1820.684+/-0.240 χ^2/NDF:321597.1/43

Out: 1821.167+/-0.232 χ^2/NDF:141165.2/48

All: 1820.933+/-0.167 χ^2/NDF: 462764.5/92

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -491.249+/-1638.097 χ^2/NDF: 21.4/20

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

Right Out: -1077.295+/-1339.062 χ^2/NDF: 25.3/24

Left In: -143.435+/-1471.371 χ^2/NDF:13.6/22

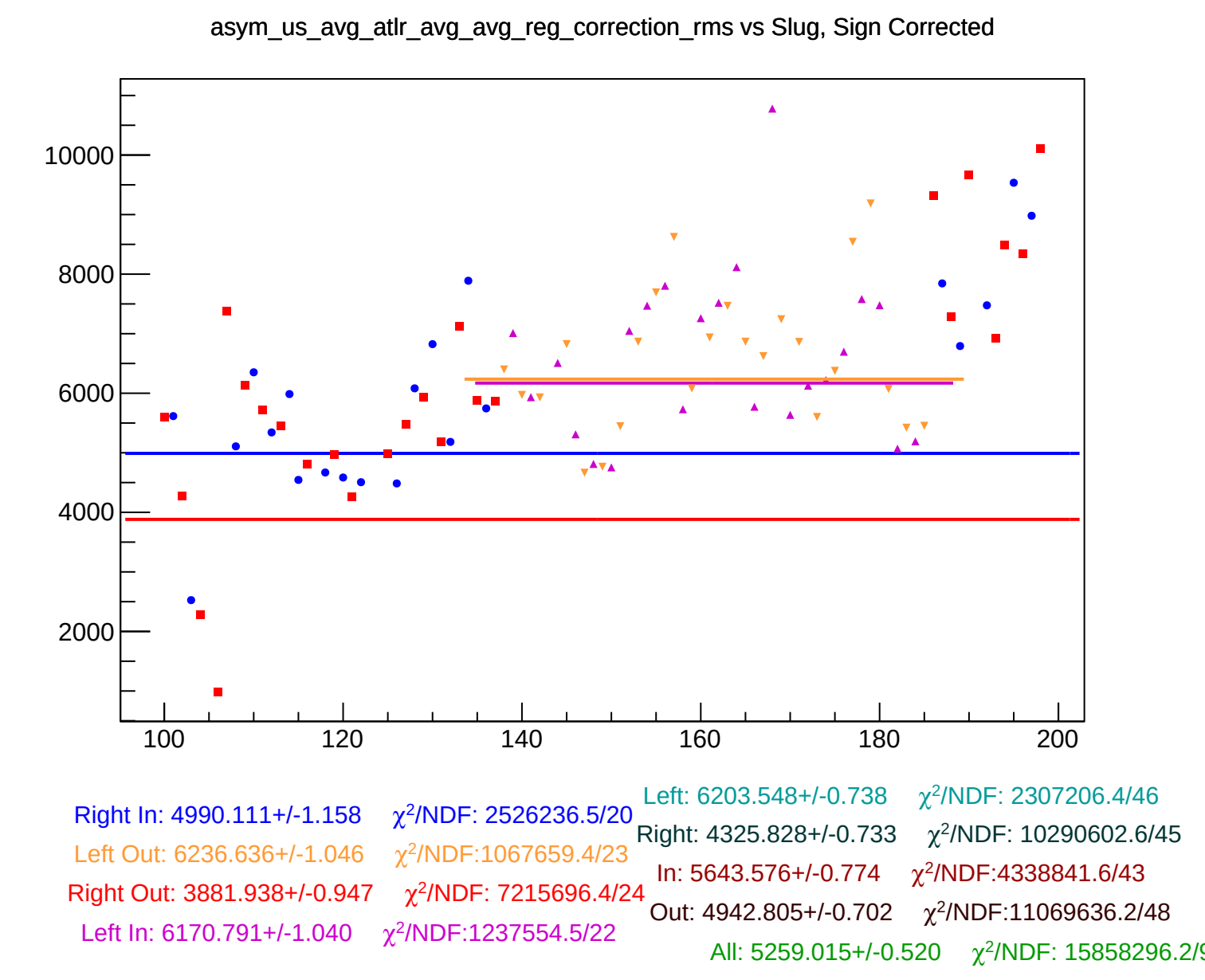
Left: -404.020+/-1043.032 χ^2/NDF: 43.4/46

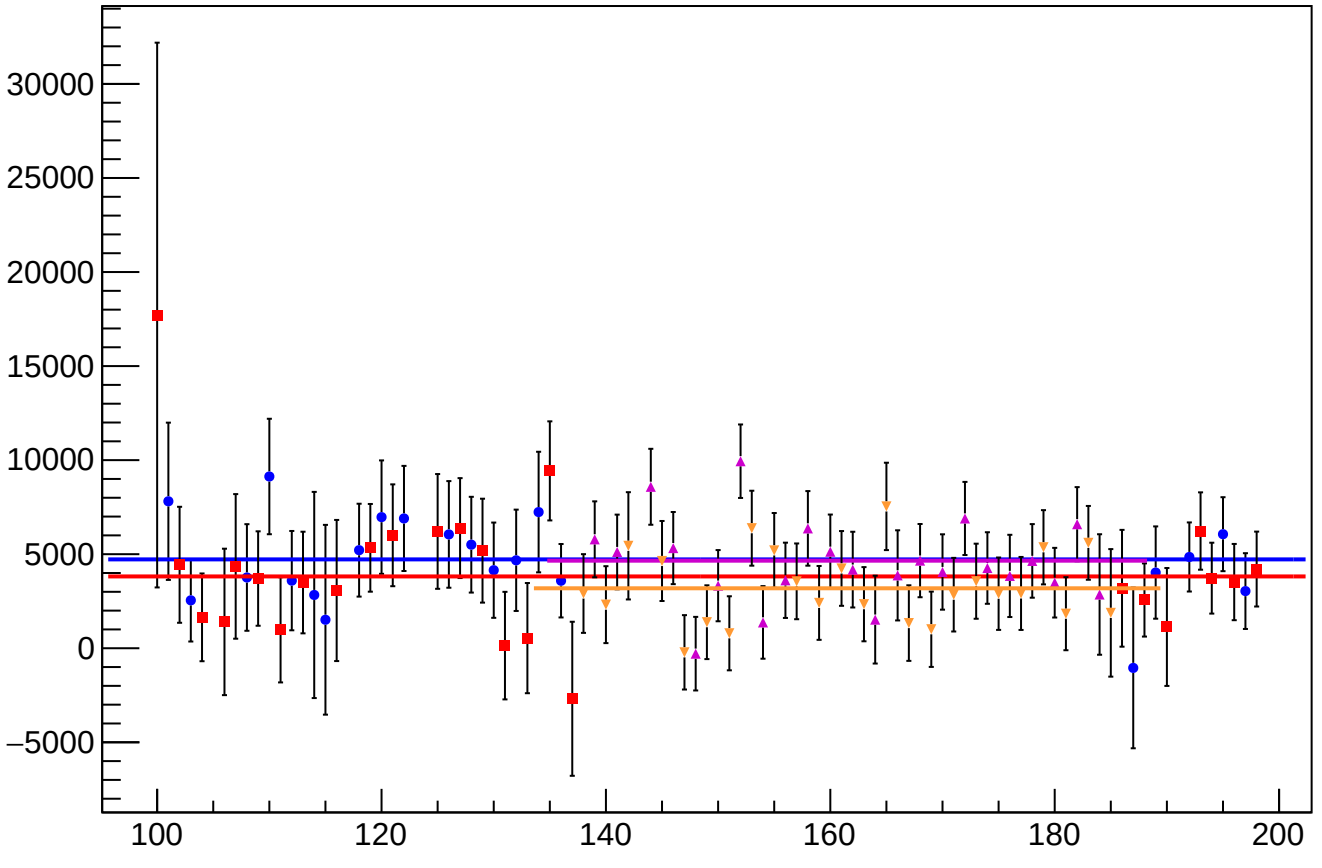
Right: -842.548+/-1036.749 χ^2/NDF: 46.8/45

In: -298.746+/-1094.630 χ^2/NDF:35.0/43

Out: -892.554+/-992.594 χ^2/NDF:55.1/48

All: -624.609+/-735.304 χ^2/NDF: 90.3/92


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: 4990.111+/-1.158 χ²/NDF: 2526236.5/20
Left Out: 6236.636+/-1.046 χ²/NDF:1067659.4/23
Right Out: 3881.938+/-0.947 χ²/NDF: 7215696.4/24
Left In: 6170.791+/-1.040 χ²/NDF:1237554.5/22
Left: 6203.548+/-0.738 χ²/NDF: 2307206.4/46
Right: 4325.828+/-0.733 χ²/NDF: 10290602.6/45
In: 5643.576+/-0.774 χ²/NDF:4338841.6/43
Out: 4942.805+/-0.702 χ²/NDF:11069636.2/48
All: 5259.015+/-0.520 χ²/NDF: 15858296.2/9



Right In: 4723.533+/-570.765 χ^2/NDF: 10.0/20

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3817.328+/-530.788 χ^2/NDF: 18.8/24

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

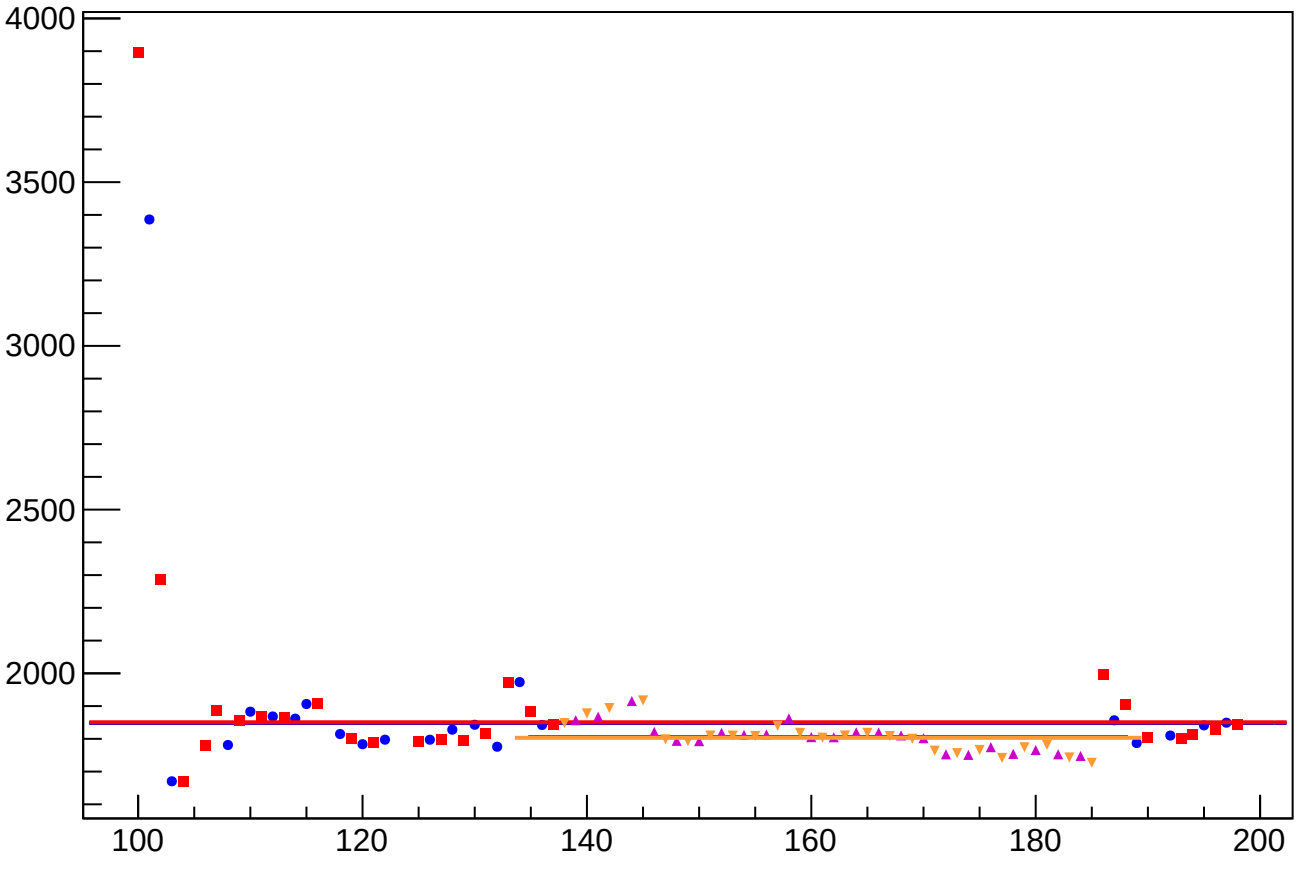
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4237.586+/-388.689 χ^2/NDF: 30.2/45

In: 4679.345+/-339.165 χ^2/NDF:37.7/43

Out: 3428.753+/-328.694 χ^2/NDF:39.5/48

All: 4034.447+/-236.037 χ^2/NDF: 84.3/92



Right In: 1848.394+/-0.404 χ^2/NDF: 294997.3/20

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1850.497+/-0.375 χ^2/NDF: 110397.3/24

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

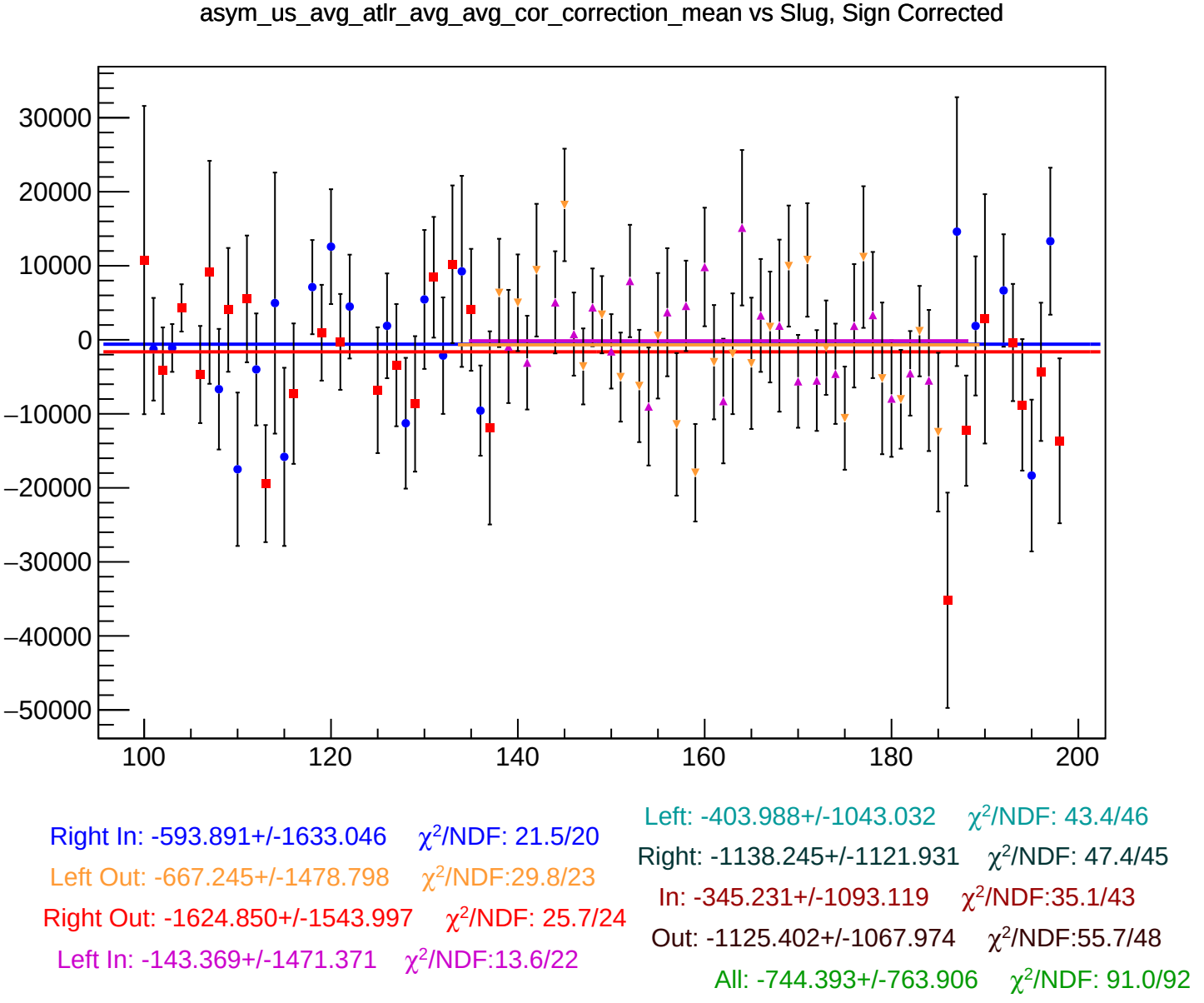
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1849.523+/-0.275 χ^2/NDF: 405409.2/45

In: 1820.684+/-0.240 χ^2/NDF:321599.0/43

Out: 1821.320+/-0.232 χ^2/NDF:140883.4/48

All: 1821.012+/-0.167 χ^2/NDF: 462486.0/92


asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
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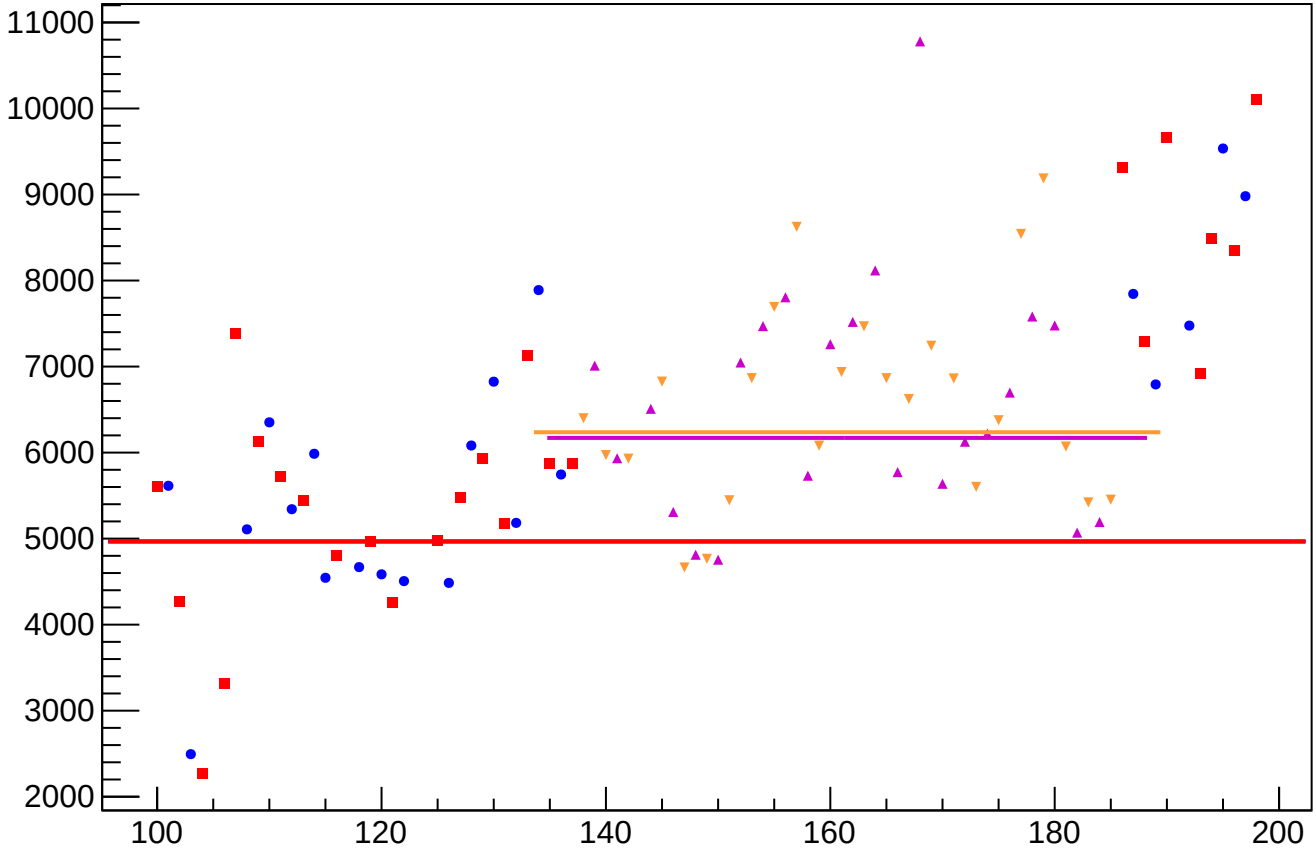
Right In: -593.891+/-1633.046 χ²/NDF: 21.5/20
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: -1624.850+/-1543.997 χ²/NDF: 25.7/24
Left In: -143.369+/-1471.371 χ²/NDF:13.6/22
Left: -403.988+/-1043.032 χ²/NDF: 43.4/46
Right: -1138.245+/-1121.931 χ²/NDF: 47.4/45
In: -345.231+/-1093.119 χ²/NDF:35.1/43
Out: -1125.402+/-1067.974 χ²/NDF:55.7/48
All: -744.393+/-763.906 χ²/NDF: 91.0/92

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4967.040+/-1.155 χ^2/NDF: 2583048.3/20

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4967.050+/-1.092 χ^2/NDF: 3521507.7/24

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

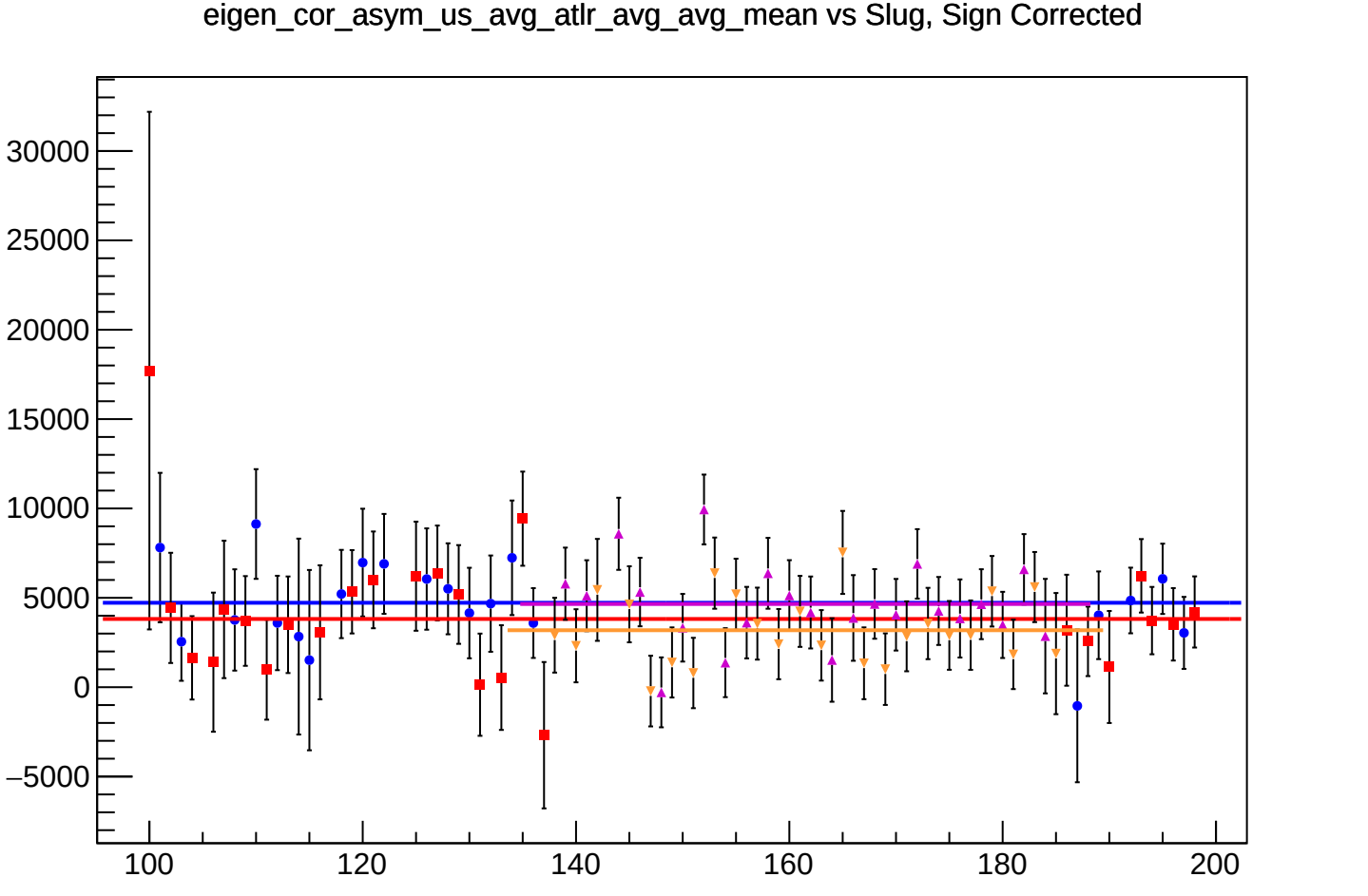
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 4967.045+/-0.793 χ^2/NDF: 6104556.0/45

In: 5631.435+/-0.773 χ^2/NDF:4420397.3/43

Out: 5629.214+/-0.755 χ^2/NDF:5294456.8/48

All: 5630.299+/-0.540 χ^2/NDF: 9714858.4/92



Right In: 4723.533+/-570.765 χ^2/NDF: 10.0/20

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3817.328+/-530.788 χ^2/NDF: 18.8/24

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

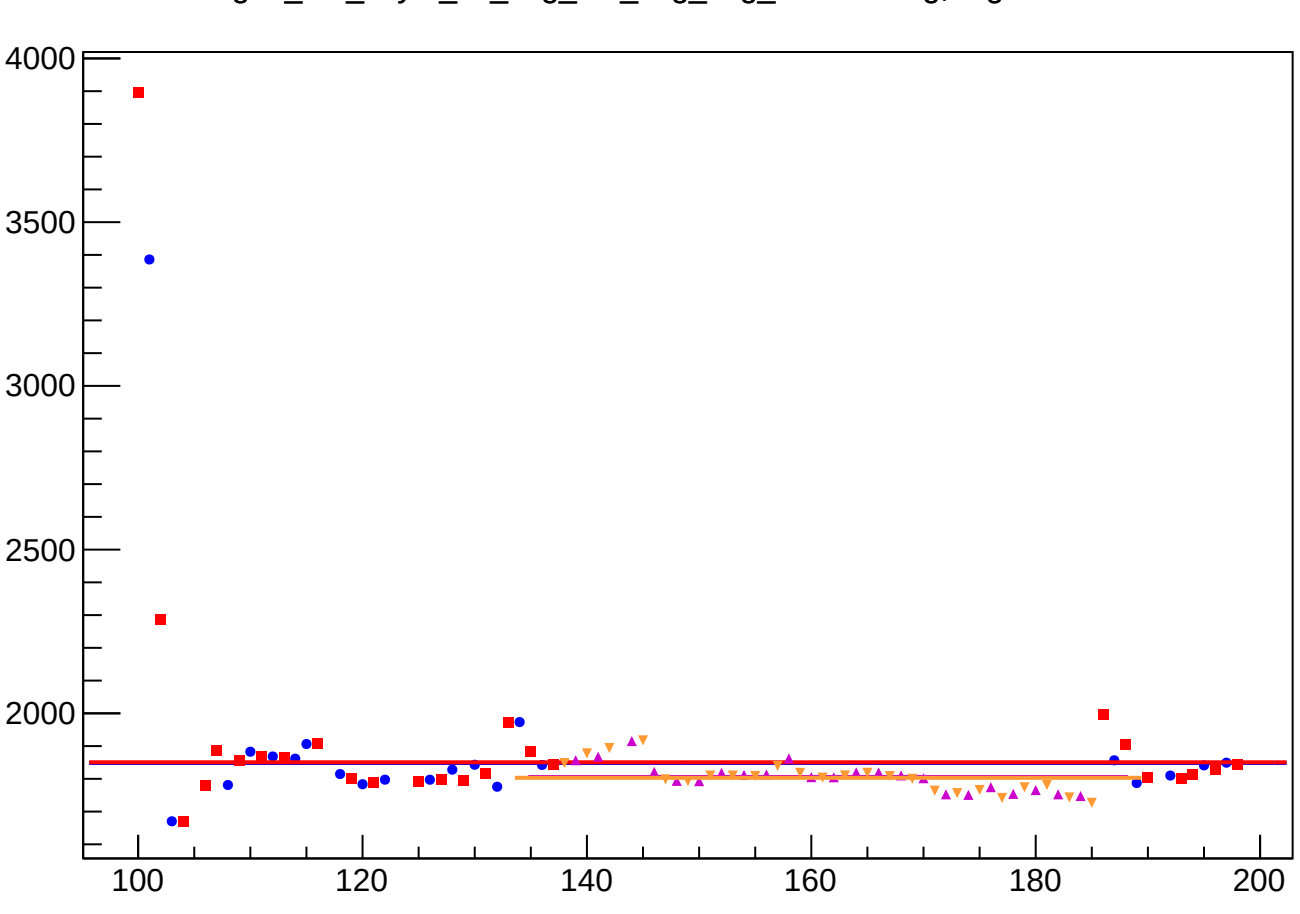
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4237.586+/-388.689 χ^2/NDF: 30.2/45

In: 4679.345+/-339.165 χ^2/NDF:37.7/43

Out: 3428.753+/-328.694 χ^2/NDF:39.5/48

All: 4034.447+/-236.037 χ^2/NDF: 84.3/92


eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
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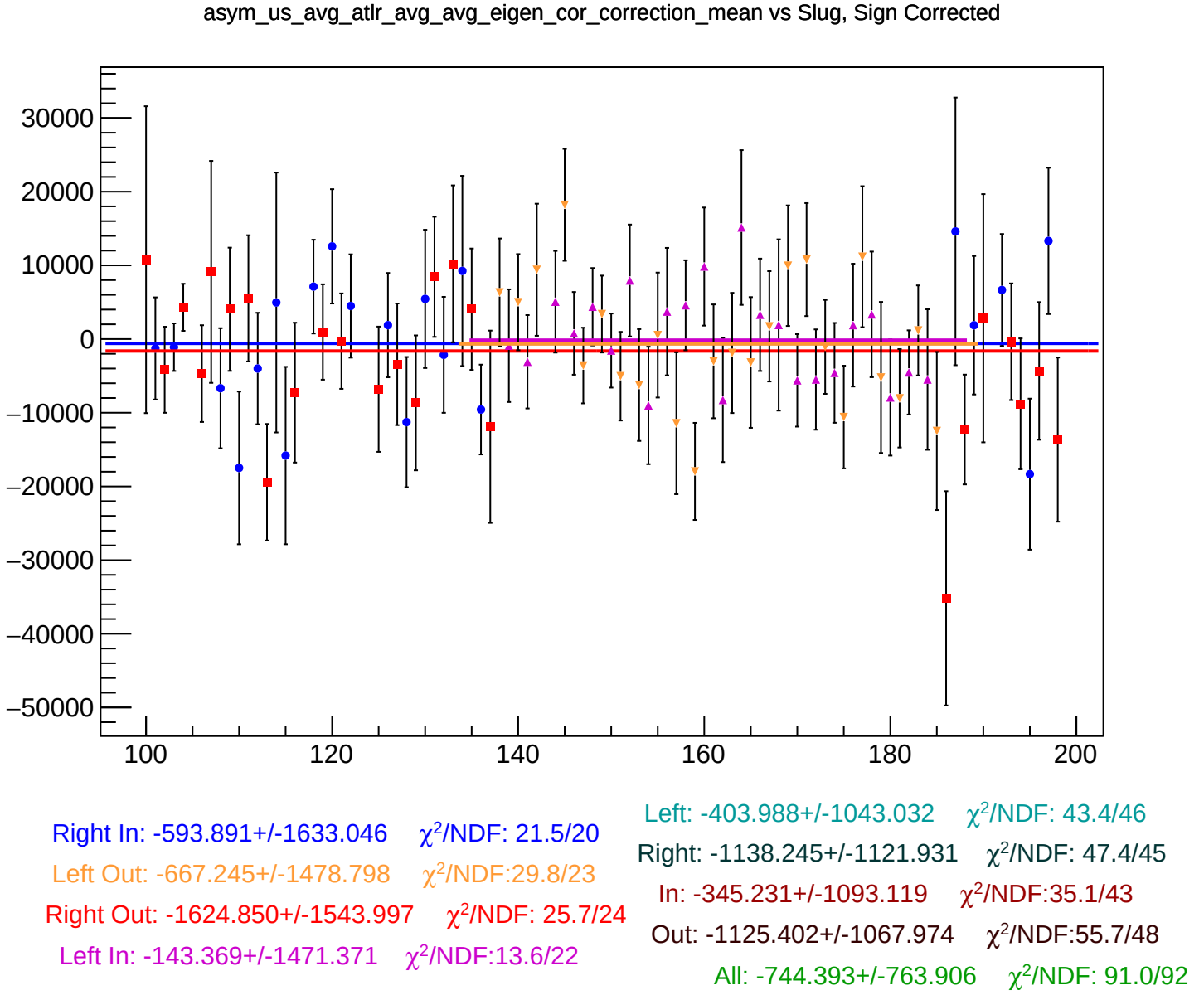
Right In: 1848.394+/-0.404 χ²/NDF: 294997.3/20
Left Out: 1803.115+/-0.296 χ²/NDF:20641.1/23
Right Out: 1850.497+/-0.375 χ²/NDF: 110397.3/24
Left In: 1805.559+/-0.298 χ²/NDF:19314.6/22
Left: 1804.328+/-0.210 χ²/NDF: 39989.6/46
Right: 1849.523+/-0.275 χ²/NDF: 405409.2/45
In: 1820.684+/-0.240 χ²/NDF:321599.0/43
Out: 1821.320+/-0.232 χ²/NDF:140883.4/48
All: 1821.012+/-0.167 χ²/NDF: 462486.0/92


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
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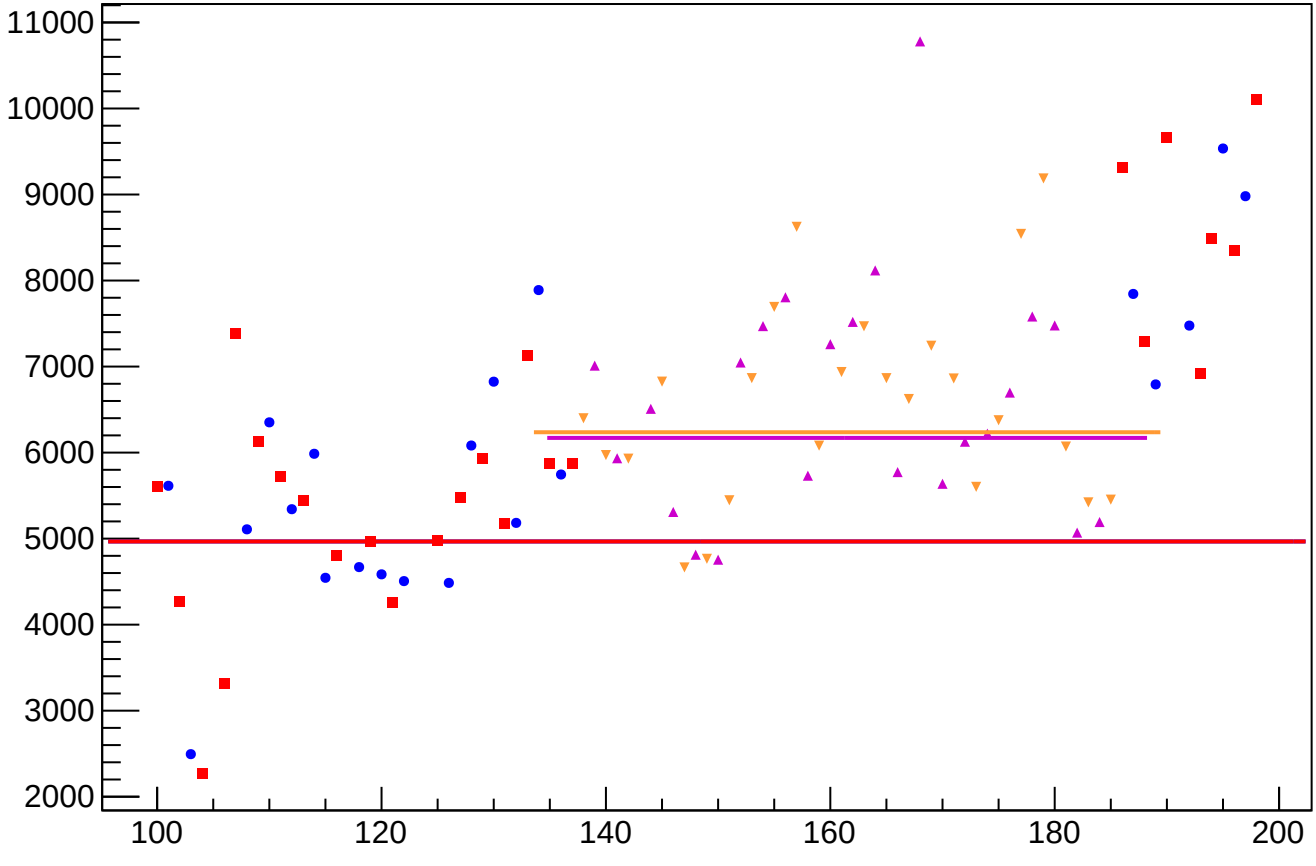
Right In: -593.891+/-1633.046 χ²/NDF: 21.5/20
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: -1624.850+/-1543.997 χ²/NDF: 25.7/24
Left In: -143.369+/-1471.371 χ²/NDF:13.6/22
Left: -403.988+/-1043.032 χ²/NDF: 43.4/46
Right: -1138.245+/-1121.931 χ²/NDF: 47.4/45
In: -345.231+/-1093.119 χ²/NDF:35.1/43
Out: -1125.402+/-1067.974 χ²/NDF:55.7/48
All: -744.393+/-763.906 χ²/NDF: 91.0/92

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4967.040+/-1.155 χ^2/NDF: 2583048.3/20

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4967.050+/-1.092 χ^2/NDF: 3521507.7/24

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

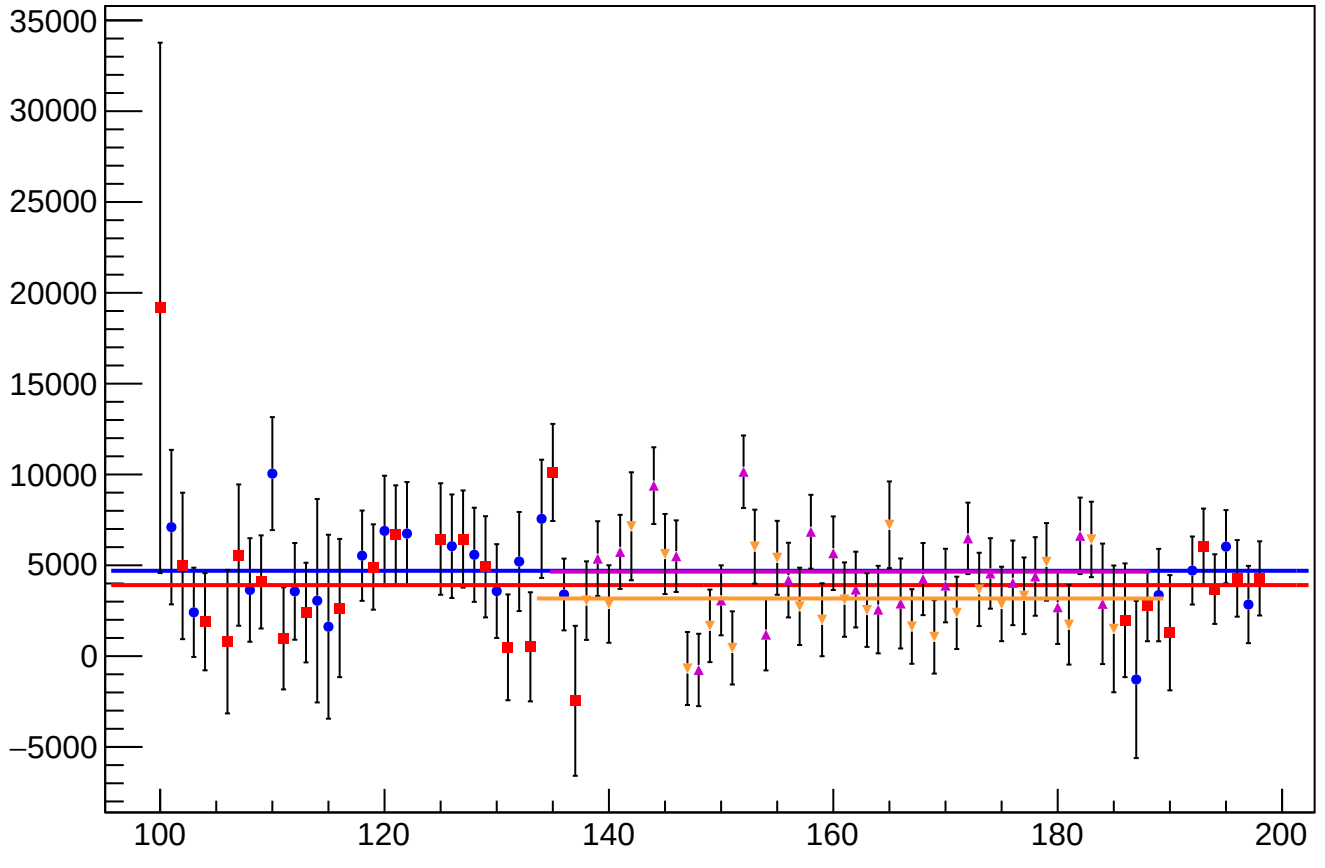
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 4967.045+/-0.793 χ^2/NDF: 6104556.0/45

In: 5631.435+/-0.773 χ^2/NDF:4420397.3/43

Out: 5629.214+/-0.755 χ^2/NDF:5294456.8/48

All: 5630.299+/-0.540 χ^2/NDF: 9714858.4/92



Right In: 4698.997+/-585.001 χ^2/NDF: 11.2/20

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: 3911.400+/-545.221 χ^2/NDF: 19.9/24

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

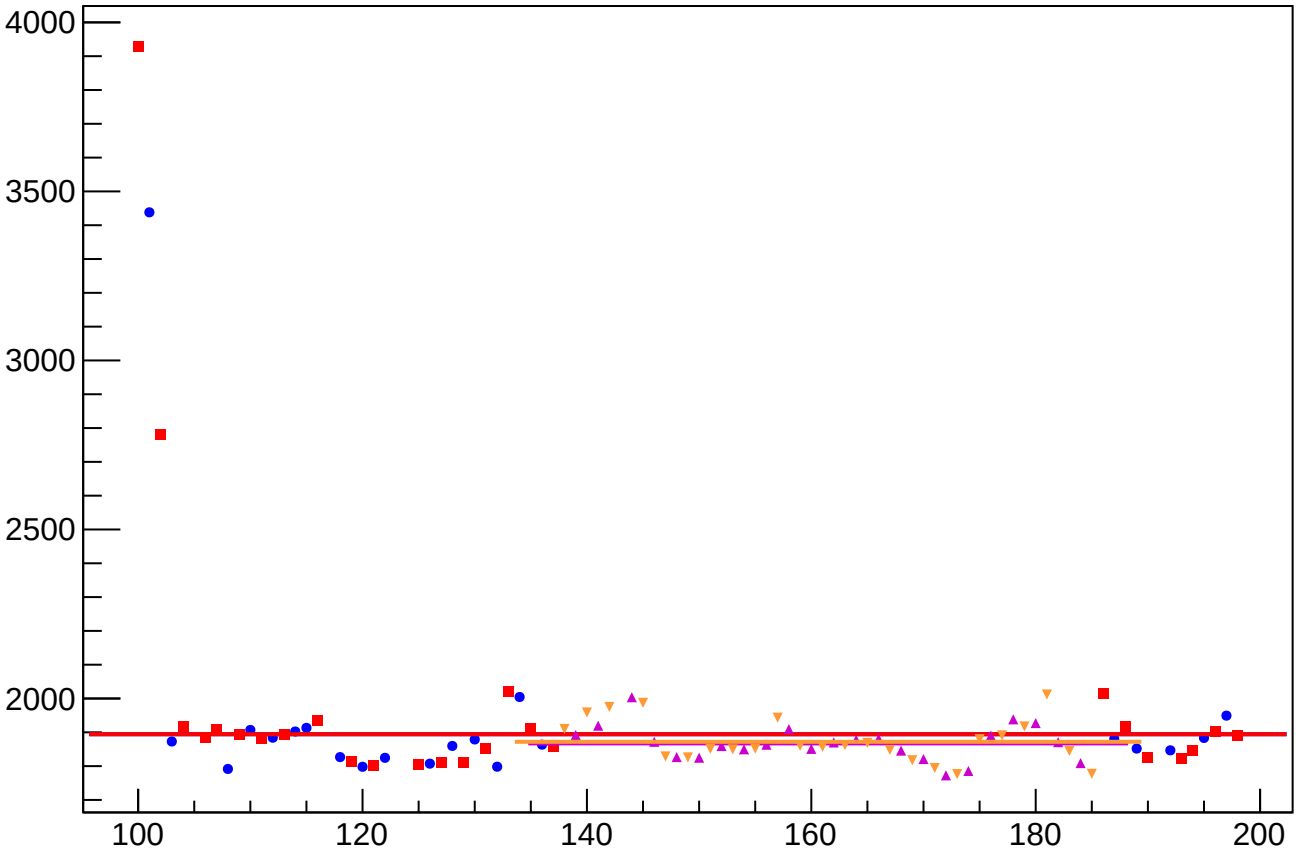
Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

Right: 4277.512+/-398.852 χ^2/NDF: 32.1/45

In: 4667.804+/-349.690 χ^2/NDF:41.8/43

Out: 3461.006+/-339.947 χ^2/NDF:42.6/48

All: 4047.360+/-243.750 χ^2/NDF: 90.5/92



Right In: 1894.297+/-0.414 χ^2/NDF: 281848.5/20

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

Right Out: 1894.405+/-0.385 χ^2/NDF: 158381.7/24

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

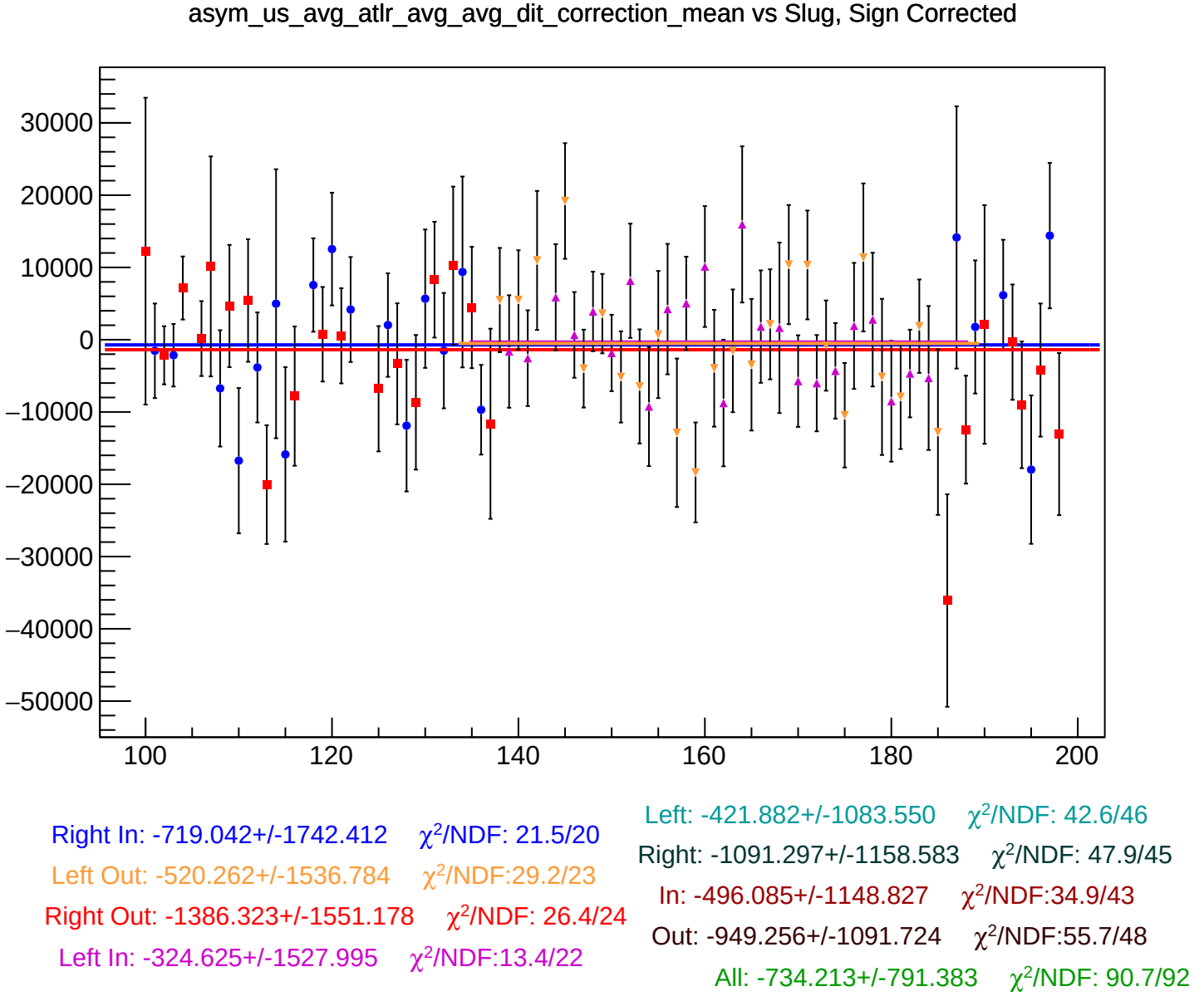
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

Right: 1894.355+/-0.282 χ^2/NDF: 440230.2/45

In: 1876.804+/-0.247 χ^2/NDF:311877.7/43

Out: 1880.704+/-0.240 χ^2/NDF:197606.2/48

All: 1878.810+/-0.172 χ^2/NDF: 509611.8/92


asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
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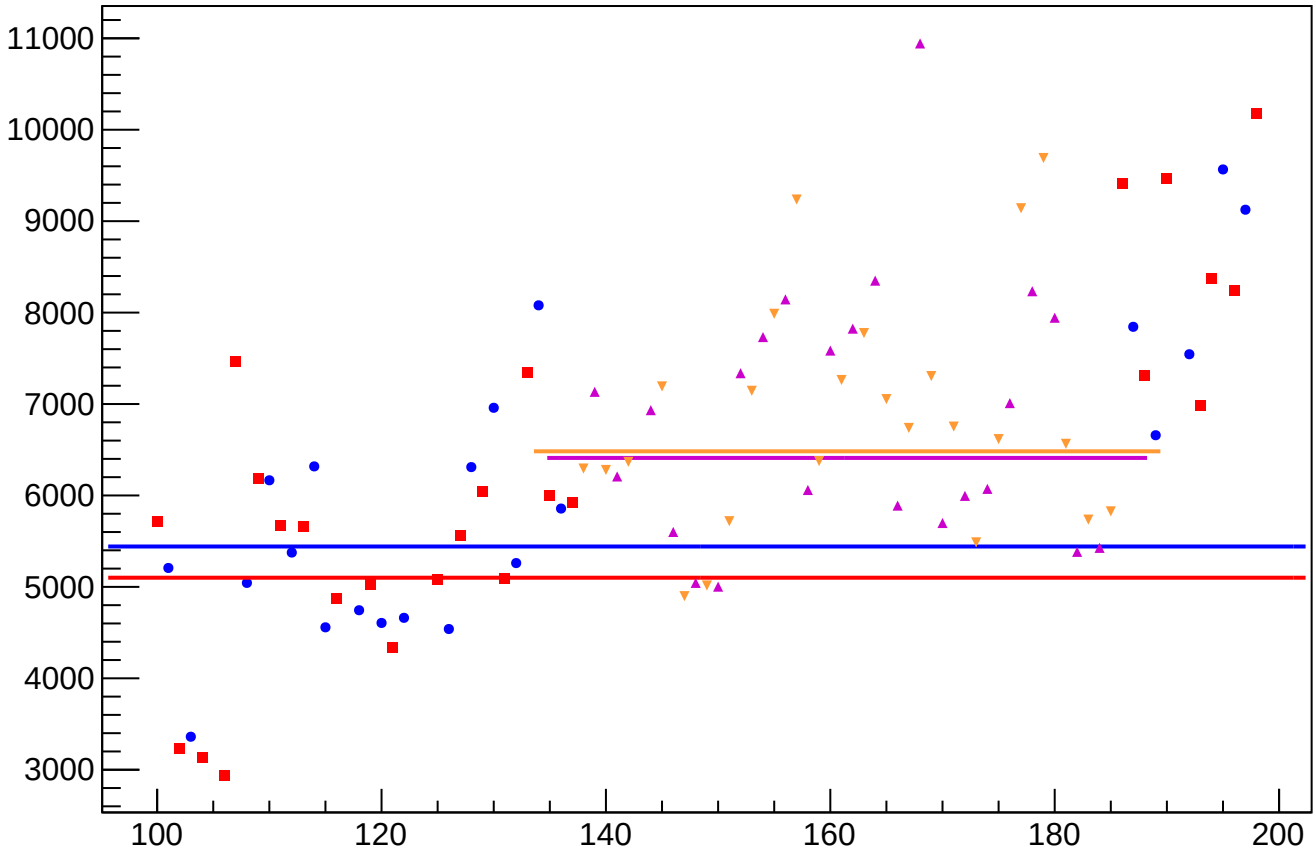
Right In: -719.042+/-1742.412 χ²/NDF: 21.5/20
Left Out: -520.262+/-1536.784 χ²/NDF:29.2/23
Right Out: -1386.323+/-1551.178 χ²/NDF: 26.4/24
Left In: -324.625+/-1527.995 χ²/NDF:13.4/22
Left: -421.882+/-1083.550 χ²/NDF: 42.6/46
Right: -1091.297+/-1158.583 χ²/NDF: 47.9/45
In: -496.085+/-1148.827 χ²/NDF:34.9/43
Out: -949.256+/-1091.724 χ²/NDF:55.7/48
All: -734.213+/-791.383 χ²/NDF: 90.7/92



Right In: 5441.772+/-1.232 χ^2/NDF: 1565385.2/20

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

Right Out: 5100.333+/-1.097 χ^2/NDF: 2976717.9/24

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

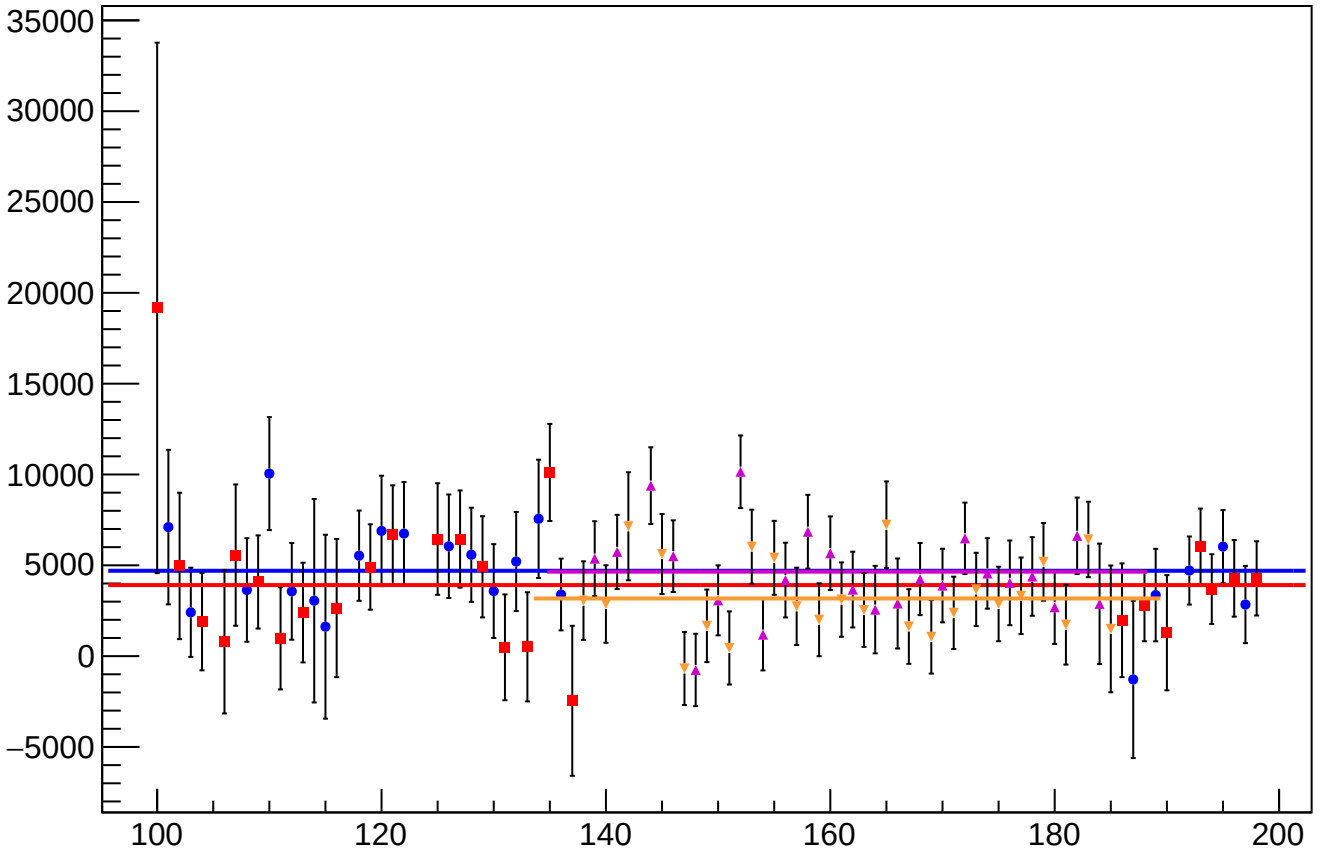
Left: 6446.367+/-0.766 χ^2/NDF: 2296641.6/46

Right: 5251.295+/-0.819 χ^2/NDF: 4584946.7/45

In: 5989.331+/-0.812 χ^2/NDF:3134616.5/43

Out: 5797.975+/-0.772 χ^2/NDF:4852929.0/48

All: 5888.779+/-0.560 χ^2/NDF: 8016703.1/92



Right In: 4698.992+/-585.001 χ^2/NDF: 11.2/20

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: 3911.397+/-545.221 χ^2/NDF: 19.9/24

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

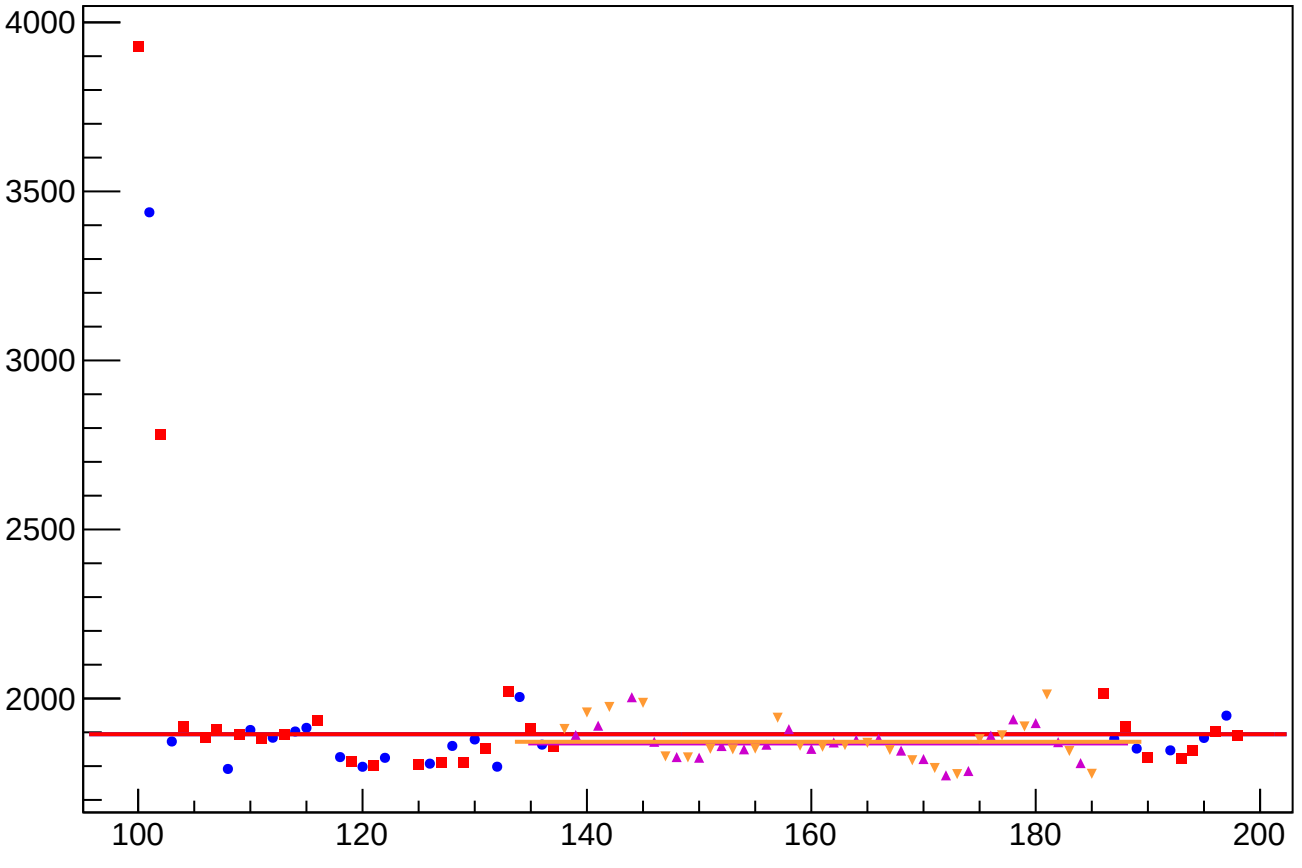
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4277.508+/-398.852 χ^2/NDF: 32.1/45

In: 4667.803+/-349.690 χ^2/NDF:41.8/43

Out: 3461.001+/-339.947 χ^2/NDF:42.6/48

All: 4047.357+/-243.751 χ^2/NDF: 90.5/92


eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
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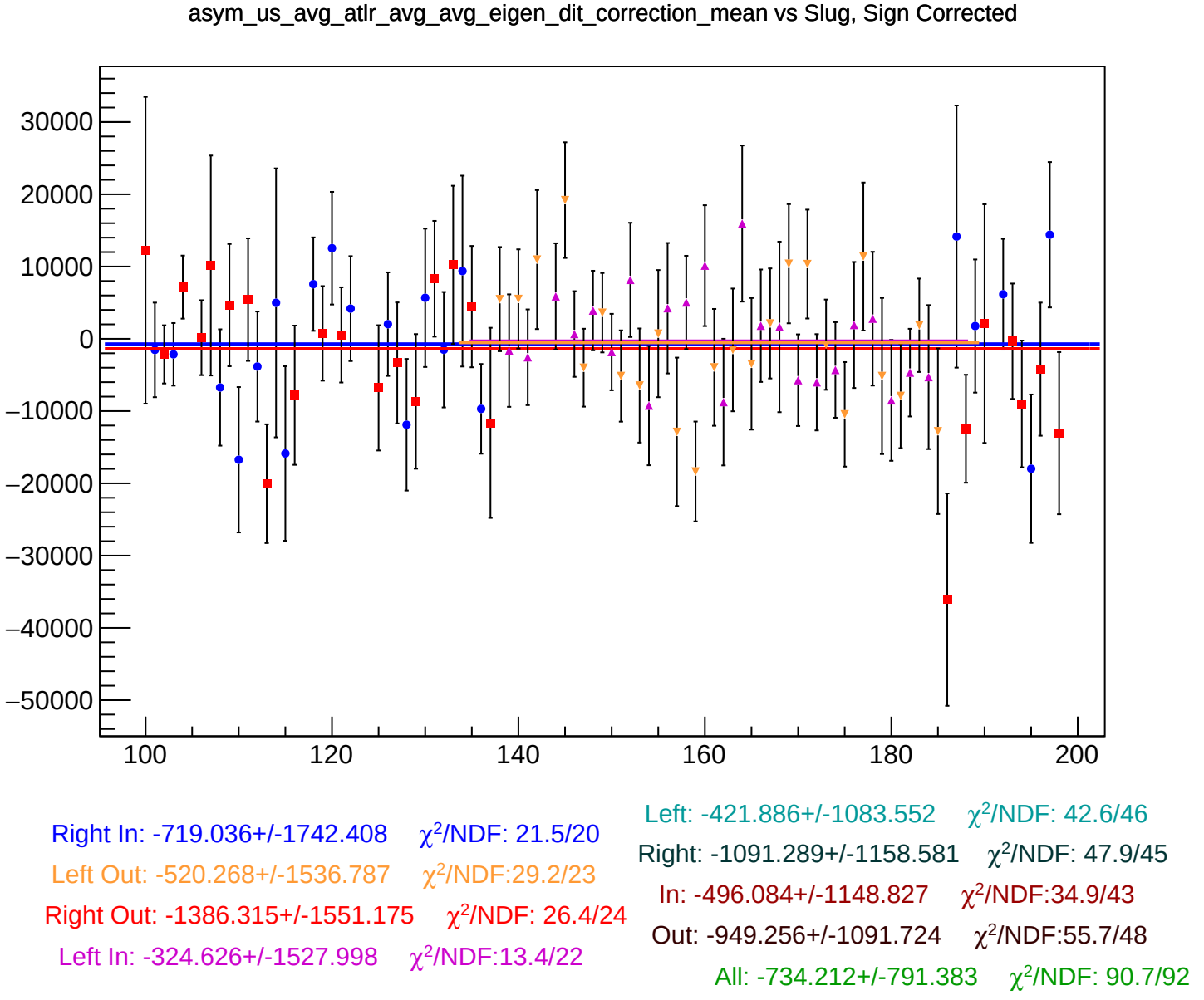
Right In: 1894.296+/-0.414 χ²/NDF: 281848.8/20
Left Out: 1871.981+/-0.307 χ²/NDF:37155.9/23
Right Out: 1894.404+/-0.385 χ²/NDF: 158380.8/24
Left In: 1867.080+/-0.308 χ²/NDF:27247.8/22
Left: 1869.538+/-0.218 χ²/NDF: 64530.3/46
Right: 1894.354+/-0.282 χ²/NDF: 440229.6/45
In: 1876.805+/-0.247 χ²/NDF:311878.8/43
Out: 1880.705+/-0.240 χ²/NDF:197606.0/48
All: 1878.810+/-0.172 χ²/NDF: 509612.6/92


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
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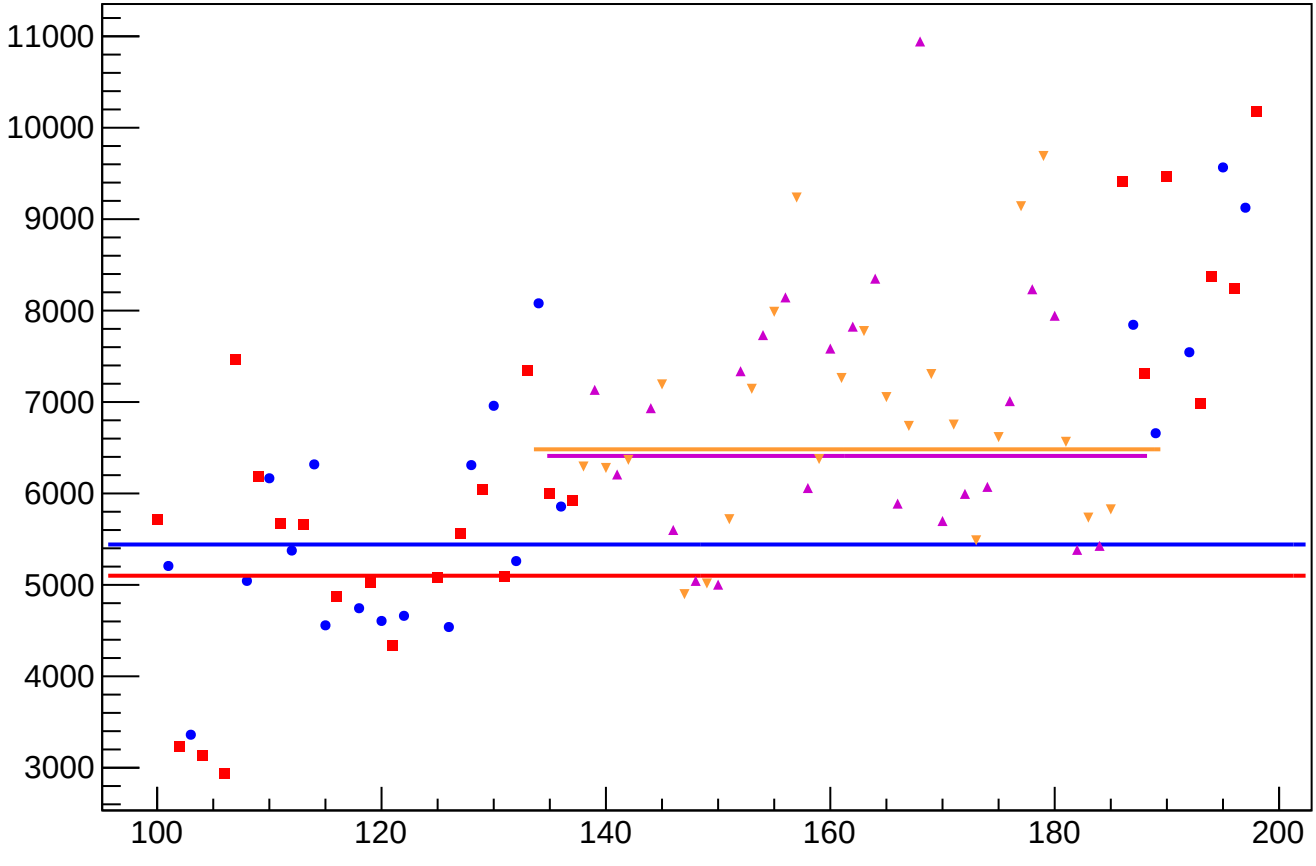
Right In: -719.036+/-1742.408 χ²/NDF: 21.5/20
Left Out: -520.268+/-1536.787 χ²/NDF:29.2/23
Right Out: -1386.315+/-1551.175 χ²/NDF: 26.4/24
Left In: -324.626+/-1527.998 χ²/NDF:13.4/22
Left: -421.886+/-1083.552 χ²/NDF: 42.6/46
Right: -1091.289+/-1158.581 χ²/NDF: 47.9/45
In: -496.084+/-1148.827 χ²/NDF:34.9/43
Out: -949.256+/-1091.724 χ²/NDF:55.7/48
All: -734.212+/-791.383 χ²/NDF: 90.7/92

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5441.760+/-1.232 χ^2/NDF: 1565399.4/20

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5100.322+/-1.097 χ^2/NDF: 2976733.1/24

Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

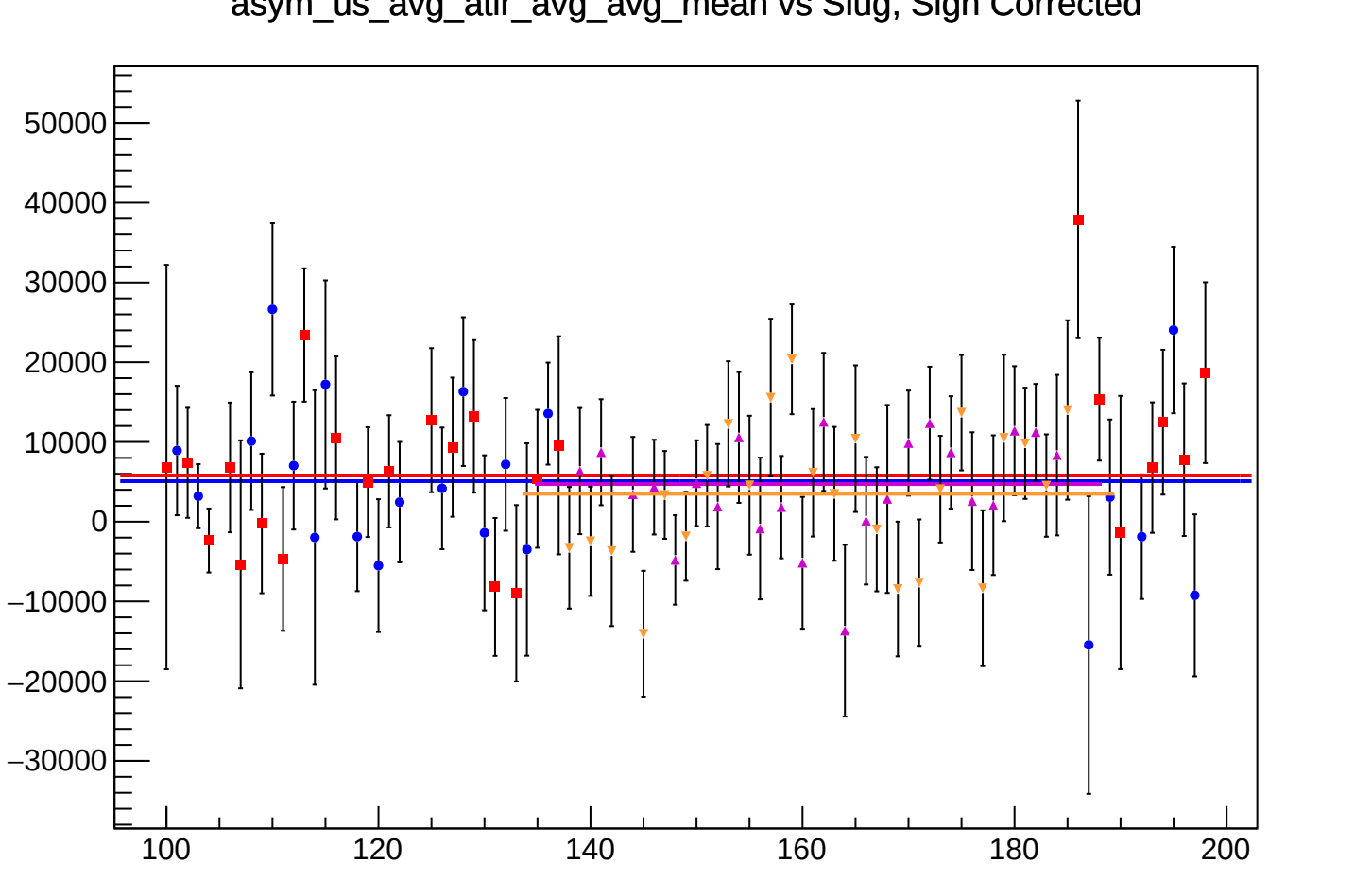
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

Right: 5251.283+/-0.819 χ^2/NDF: 4584976.0/45

In: 5989.329+/-0.812 χ^2/NDF:3134650.3/43

Out: 5797.972+/-0.772 χ^2/NDF:4852972.7/48

All: 5888.777+/-0.560 χ^2/NDF: 8016781.0/92



Right In: 5085.534+/-1798.357 χ^2/NDF: 20.1/20

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: 5792.658+/-1710.859 χ^2/NDF: 25.3/24

Left In: 4719.535+/-1539.177 χ^2/NDF:14.3/22

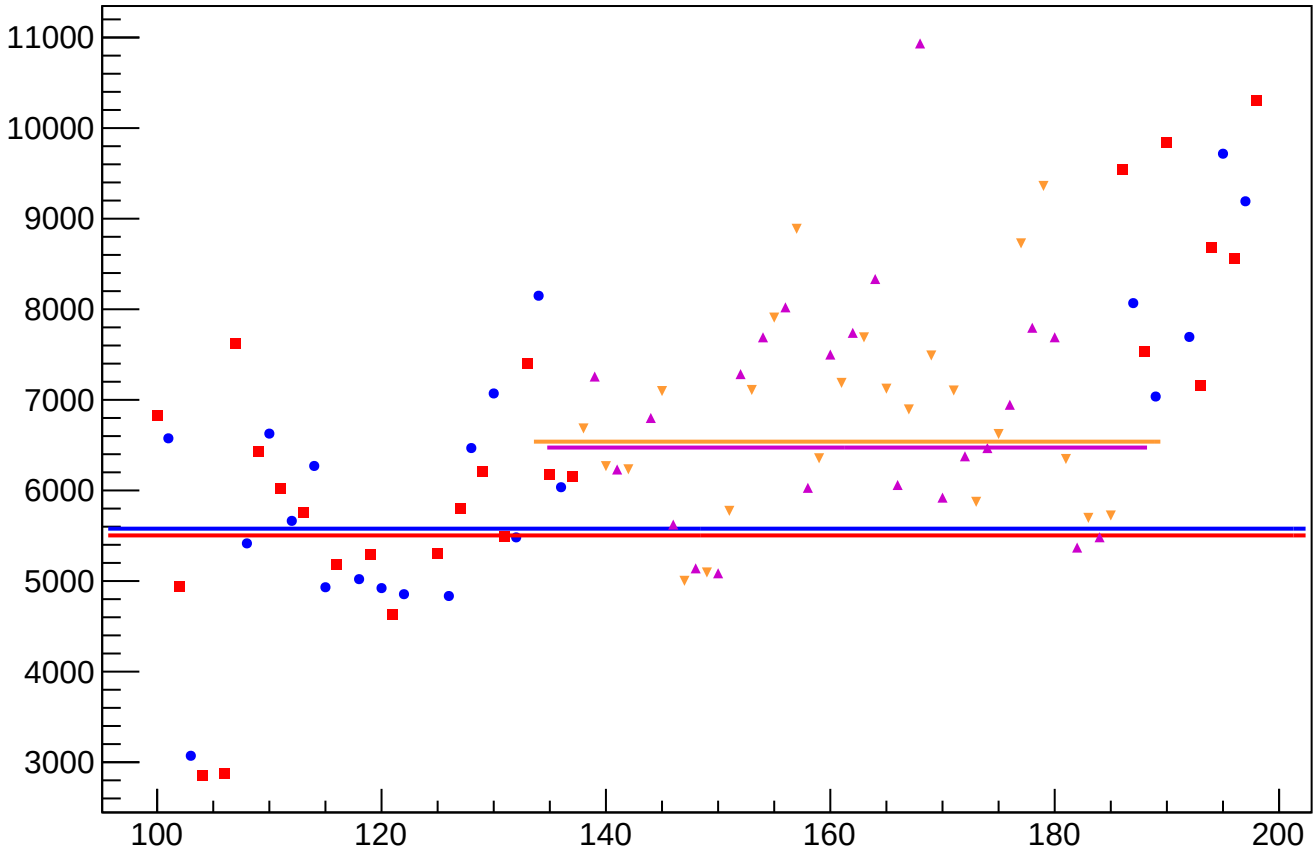
Left: 4110.988+/-1090.710 χ^2/NDF: 42.1/46

Right: 5456.716+/-1239.538 χ^2/NDF: 45.5/45

In: 4874.283+/-1169.360 χ^2/NDF:34.4/43

Out: 4528.893+/-1146.989 χ^2/NDF:53.8/48

All: 4698.252+/-818.838 χ^2/NDF: 88.2/92



Right In: 5578.116+/-1.272 χ^2/NDF: 1844471.6/20

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

Right Out: 5503.450+/-1.190 χ^2/NDF: 2751510.8/24

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

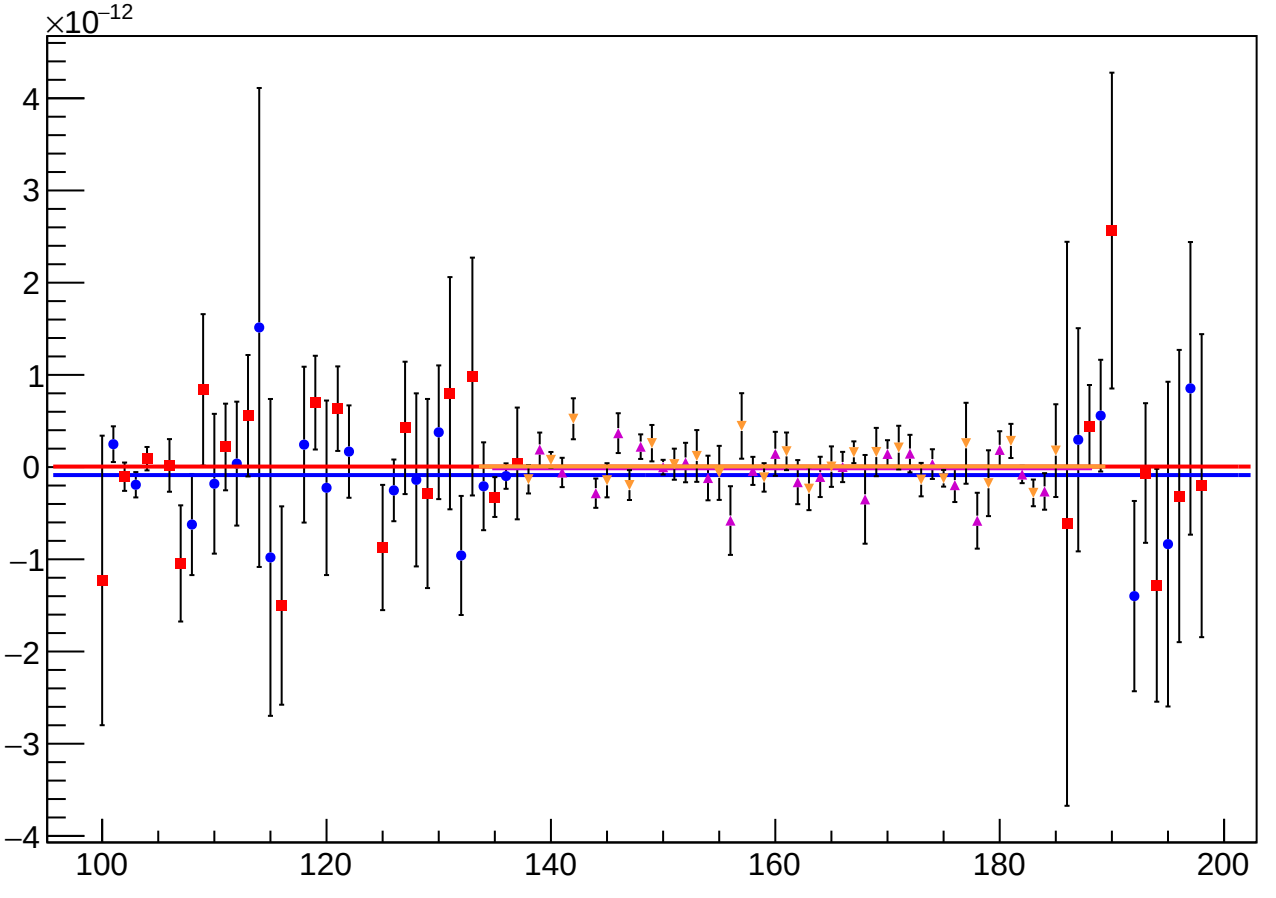
Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

Right: 5538.320+/-0.869 χ^2/NDF: 4597819.9/45

In: 6094.906+/-0.827 χ^2/NDF:3202386.0/43

Out: 6065.082+/-0.805 χ^2/NDF:4082499.9/48

All: 6079.597+/-0.577 χ^2/NDF: 7285553.8/92



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/24

Left In: -0.000+/-0.000 χ^2/NDF:24.0/22

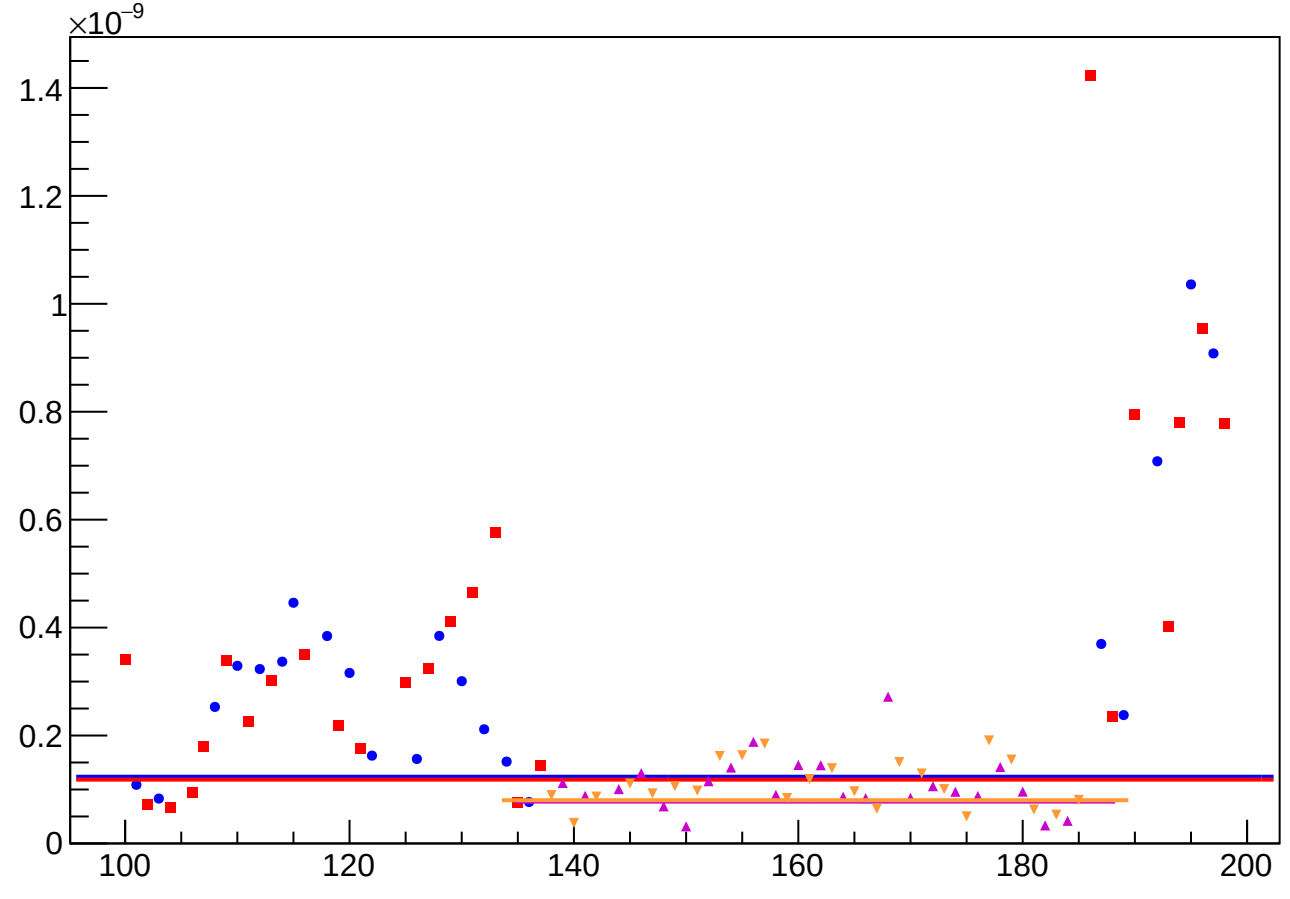
Left: -0.000+/-0.000 χ^2/NDF: 51.3/46

Right: -0.000+/-0.000 χ^2/NDF: 34.0/45

In: -0.000+/-0.000 χ^2/NDF:36.3/43

Out: 0.000+/-0.000 χ^2/NDF:48.9/48

All: -0.000+/-0.000 χ^2/NDF: 85.7/92



Right In: 0.000+/-0.000 χ^2/NDF: 3378498.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4675521.7/24

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4801129.7/46

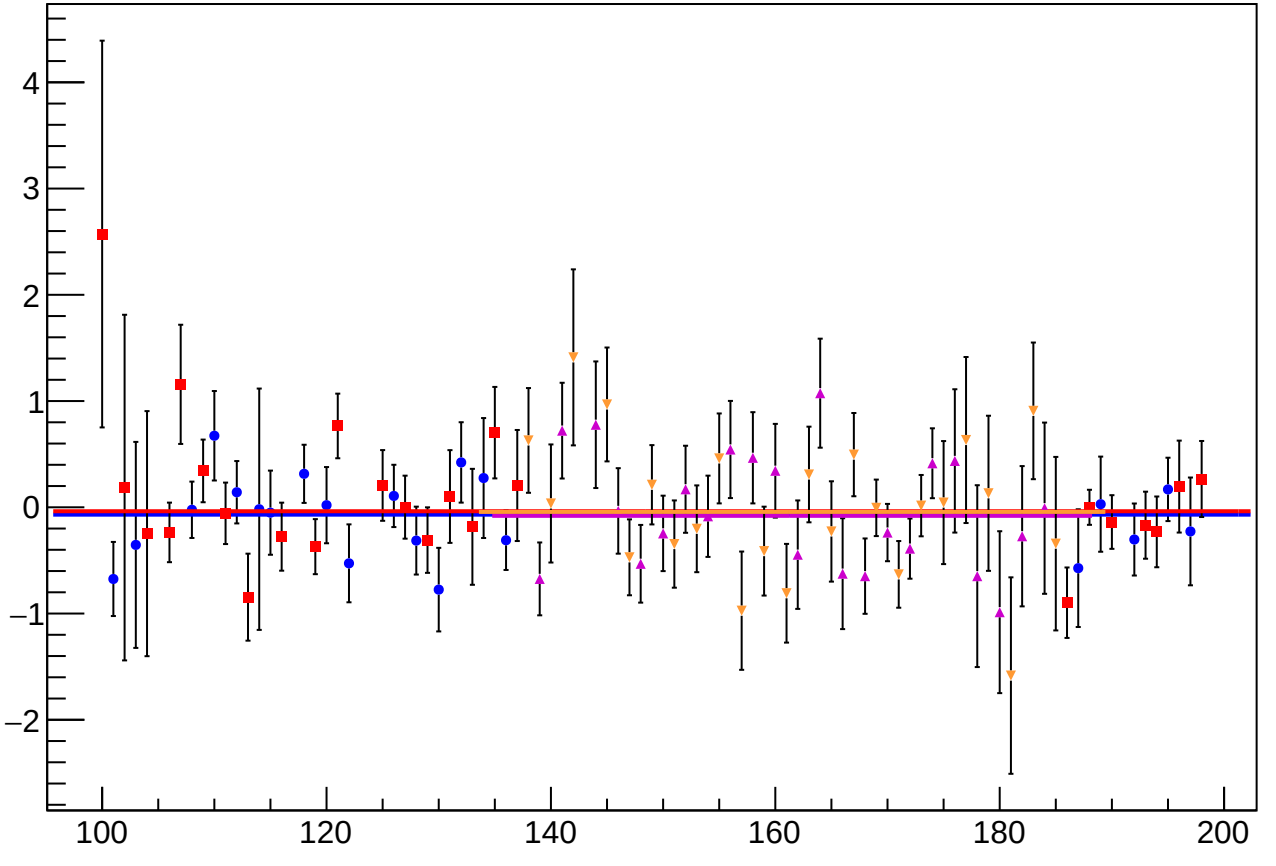
Right: 0.000+/-0.000 χ^2/NDF: 8058950.3/45

In: 0.000+/-0.000 χ^2/NDF:6623152.0/43

Out: 0.000+/-0.000 χ^2/NDF:7251857.9/48

All: 0.000+/-0.000 χ^2/NDF: 13877700.5/92

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.069+/-0.079 χ^2/NDF: 19.4/20

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.037+/-0.067 χ^2/NDF: 35.0/24

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

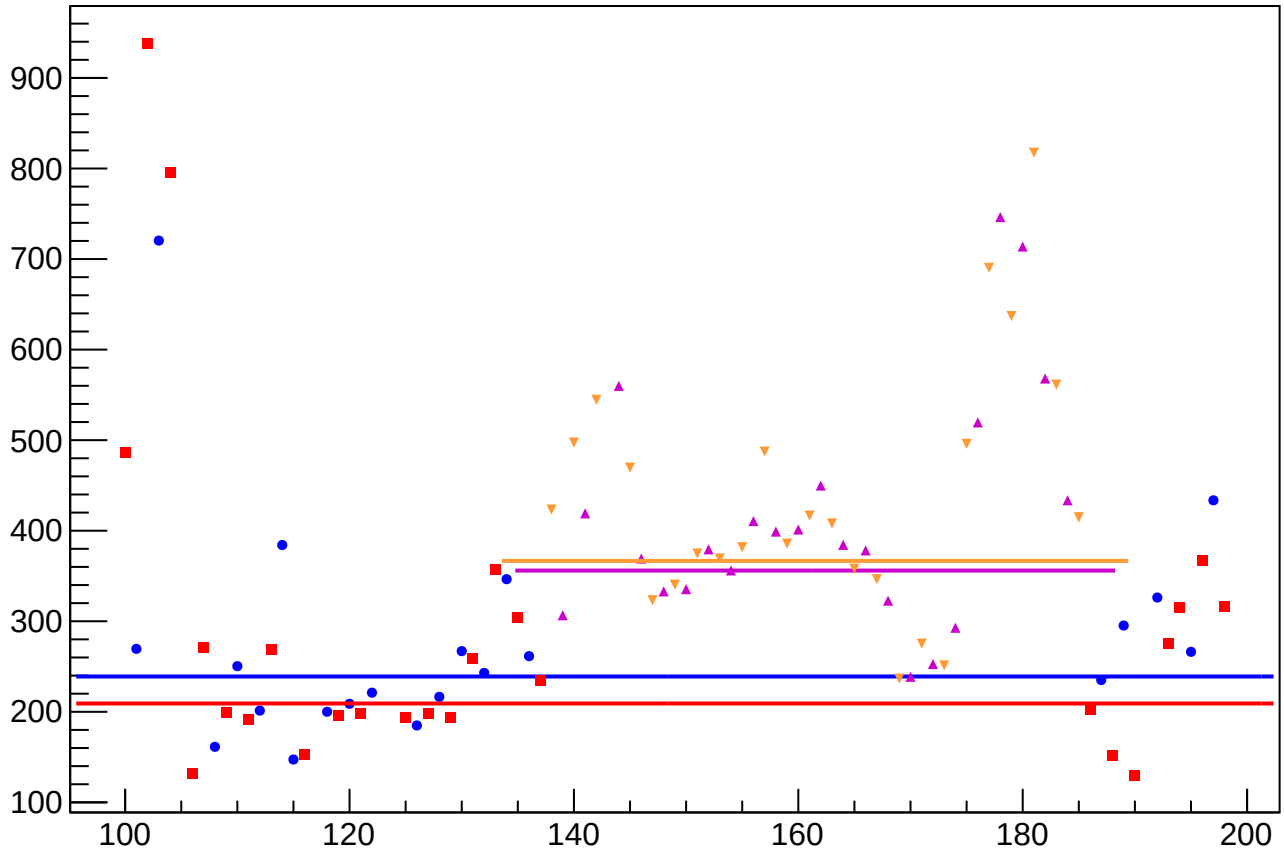
Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

Right: -0.050+/-0.051 χ^2/NDF: 54.5/45

In: -0.074+/-0.059 χ^2/NDF:49.7/43

Out: -0.039+/-0.054 χ^2/NDF:66.0/48

All: -0.055+/-0.040 χ^2/NDF: 115.9/92



Right In: 238.993+/-0.056 χ^2/NDF: 1562413.1/20

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 209.181+/-0.047 χ^2/NDF: 2723759.5/24

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

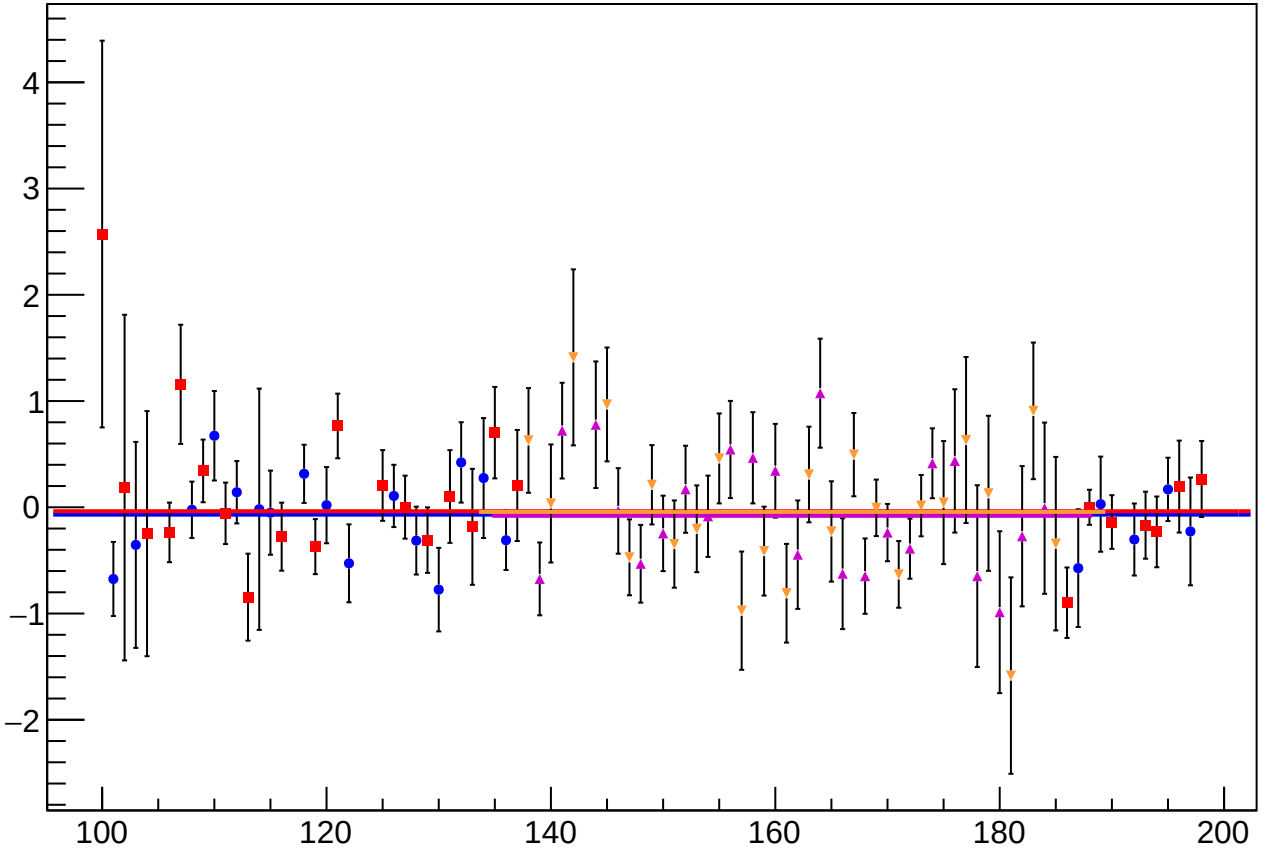
Right: 221.553+/-0.036 χ^2/NDF: 4451833.2/45

In: 291.526+/-0.042 χ^2/NDF:5941369.5/43

Out: 264.686+/-0.038 χ^2/NDF:9490725.1/48

All: 276.890+/-0.028 χ^2/NDF: 15659257.2/92

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.069+/-0.079 χ^2/NDF: 19.4/20

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.037+/-0.067 χ^2/NDF: 35.0/24

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

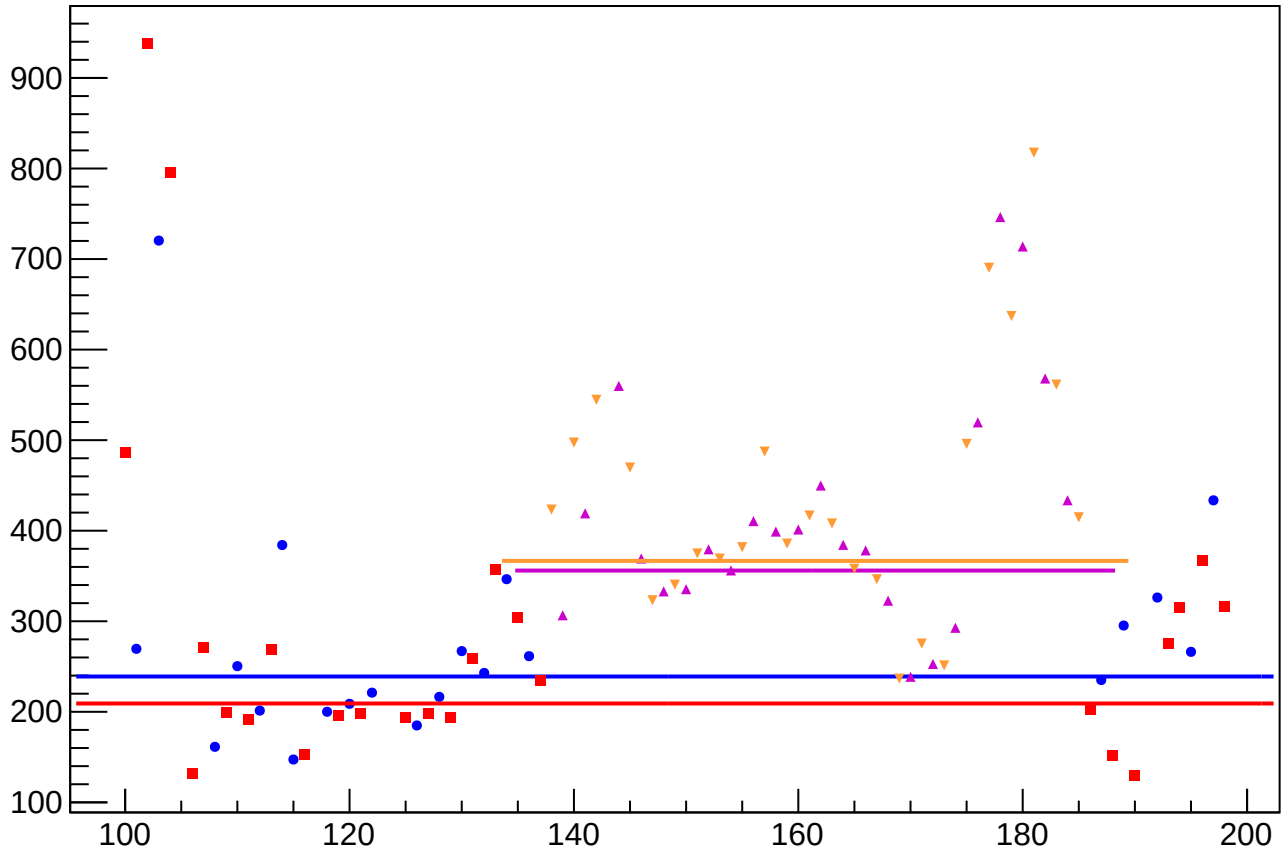
Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

Right: -0.050+/-0.051 χ^2/NDF: 54.5/45

In: -0.074+/-0.059 χ^2/NDF:49.7/43

Out: -0.039+/-0.054 χ^2/NDF:66.0/48

All: -0.055+/-0.040 χ^2/NDF: 115.9/92



Right In: 238.993+/-0.056 χ^2/NDF: 1562413.1/20

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 209.181+/-0.047 χ^2/NDF: 2723759.5/24

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

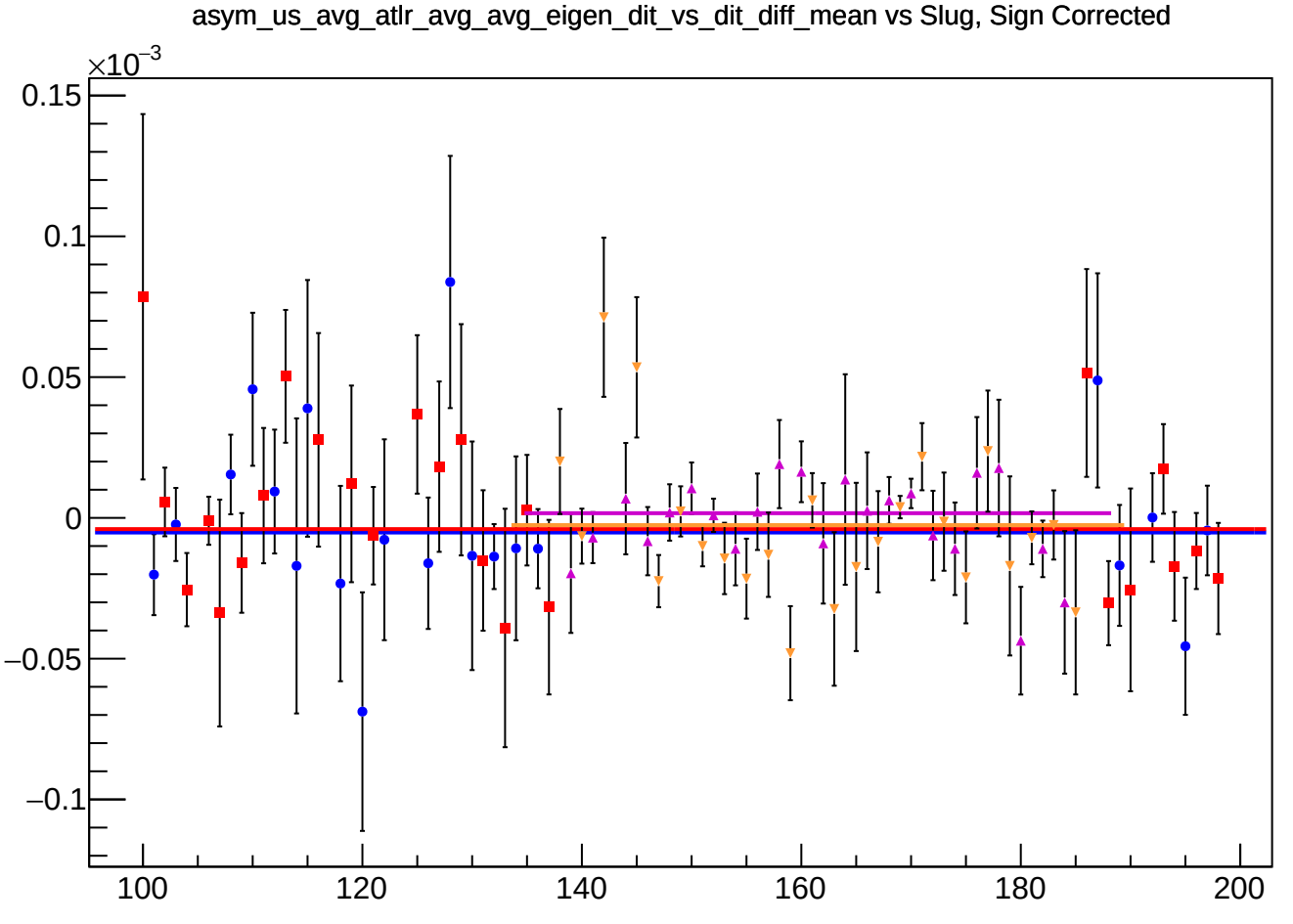
Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

Right: 221.553+/-0.036 χ^2/NDF: 4451833.2/45

In: 291.526+/-0.042 χ^2/NDF:5941369.5/43

Out: 264.686+/-0.038 χ^2/NDF:9490725.1/48

All: 276.890+/-0.028 χ^2/NDF: 15659257.2/92



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/24

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

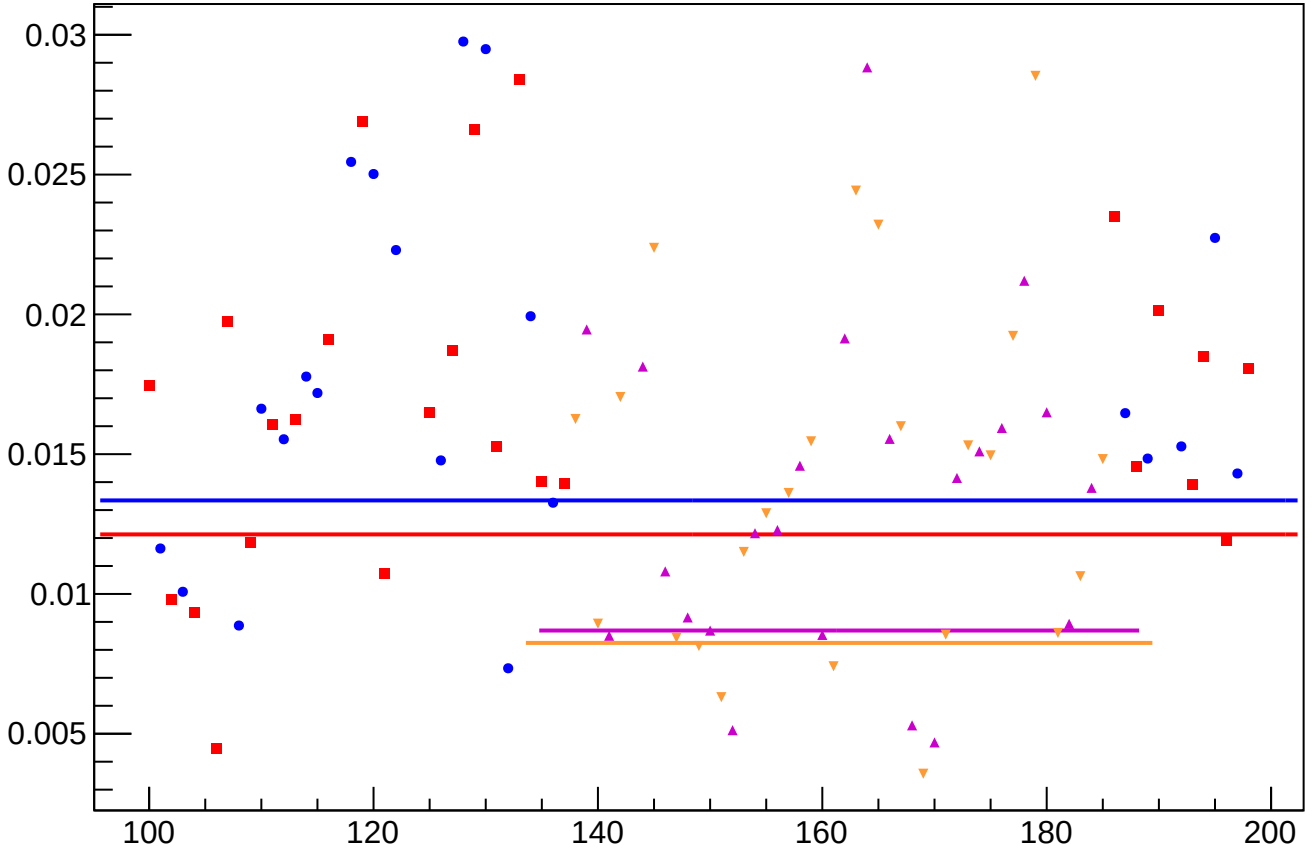
Right: -0.000+/-0.000 χ^2/NDF: 47.6/45

In: 0.000+/-0.000 χ^2/NDF:43.4/43

Out: -0.000+/-0.000 χ^2/NDF:70.3/48

All: -0.000+/-0.000 χ^2/NDF: 114.9/92

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2528471.1/20

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

Right Out: 0.012+/-0.000 χ^2/NDF: 3923096.2/24

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

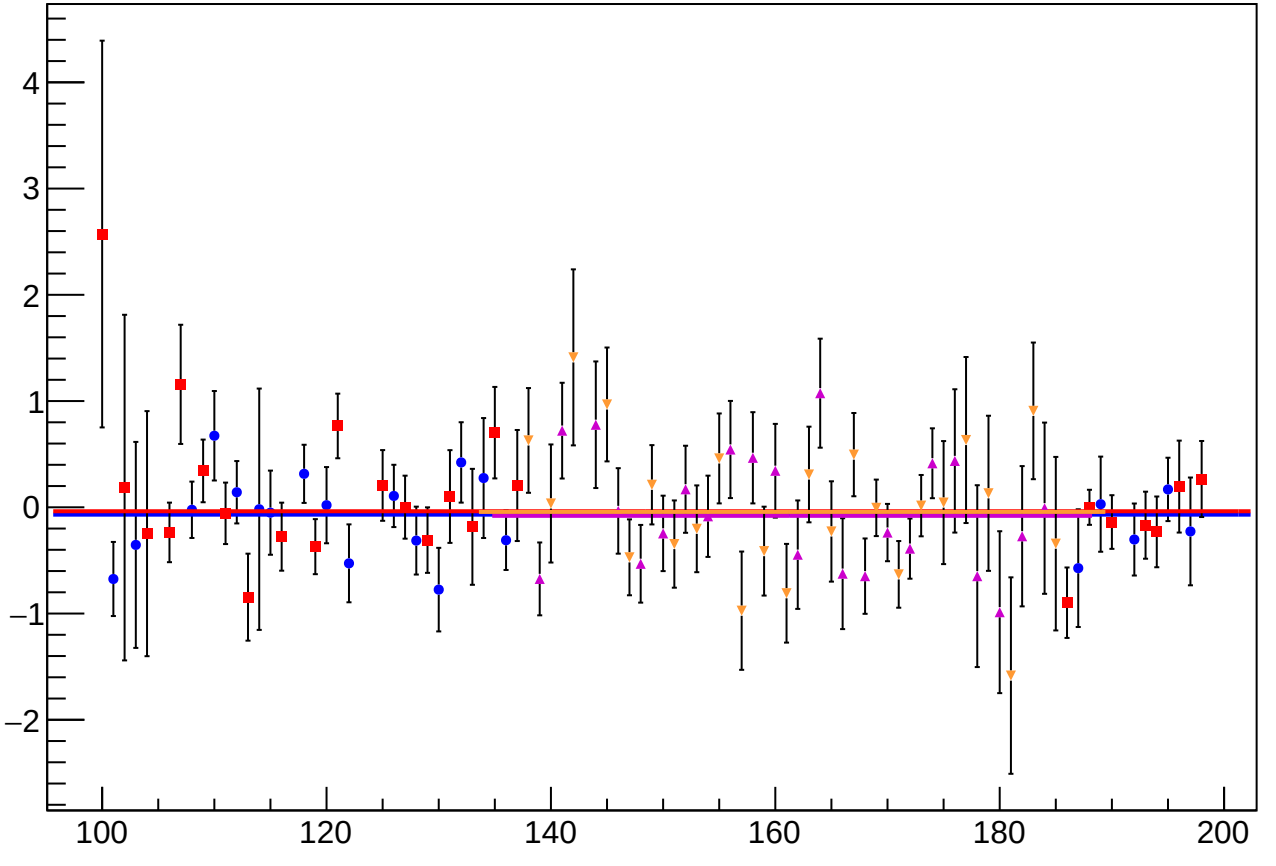
Right: 0.013+/-0.000 χ^2/NDF: 6537969.0/45

In: 0.010+/-0.000 χ^2/NDF:11131319.3/43

Out: 0.009+/-0.000 χ^2/NDF:14324217.5/48

All: 0.009+/-0.000 χ^2/NDF: 25508383.9/92

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.069+/-0.079 χ^2/NDF: 19.4/20

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.037+/-0.067 χ^2/NDF: 35.0/24

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

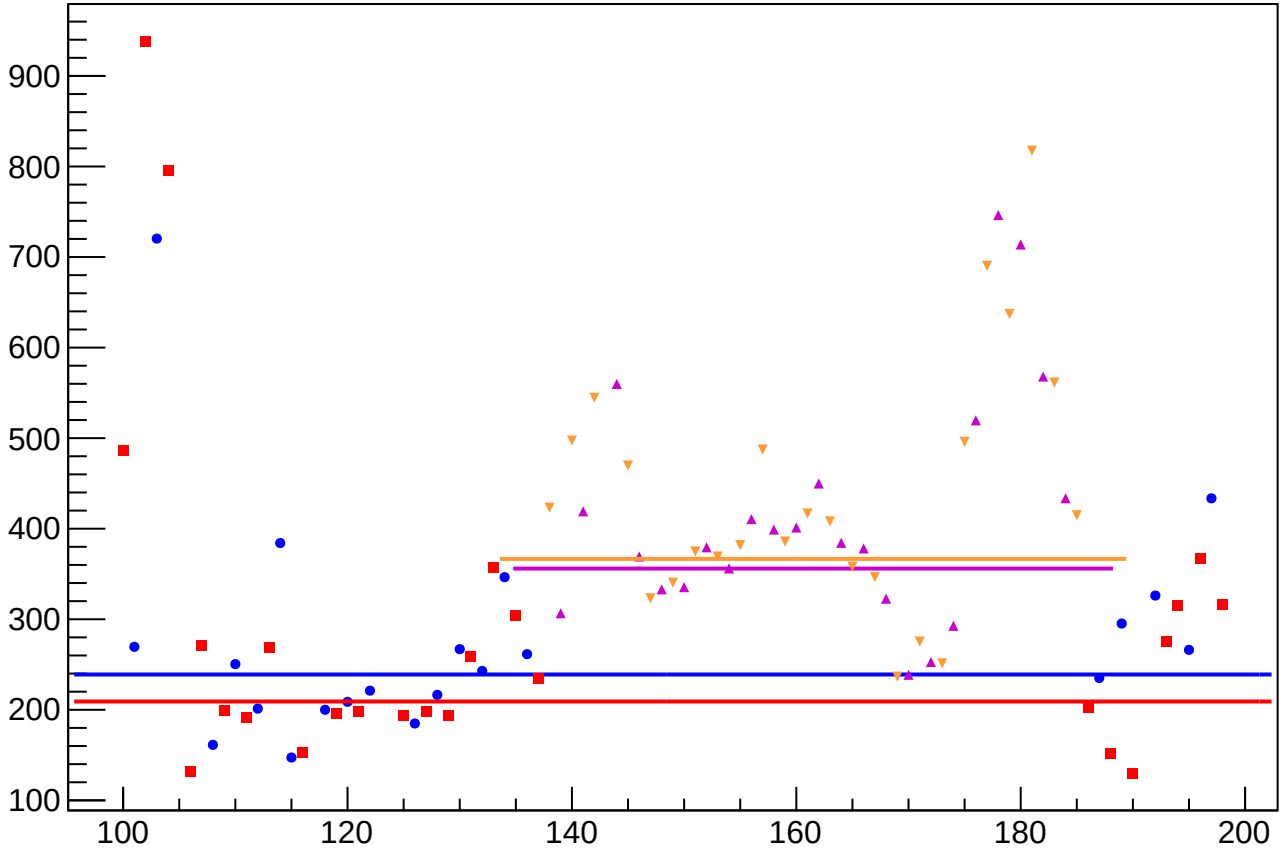
Right: -0.050+/-0.051 χ^2/NDF: 54.5/45

In: -0.074+/-0.059 χ^2/NDF:49.7/43

Out: -0.039+/-0.054 χ^2/NDF:66.0/48

All: -0.055+/-0.040 χ^2/NDF: 115.9/92

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 238.992+/-0.056 χ^2/NDF: 1562402.4/20

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 209.177+/-0.047 χ^2/NDF: 2723792.5/24

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

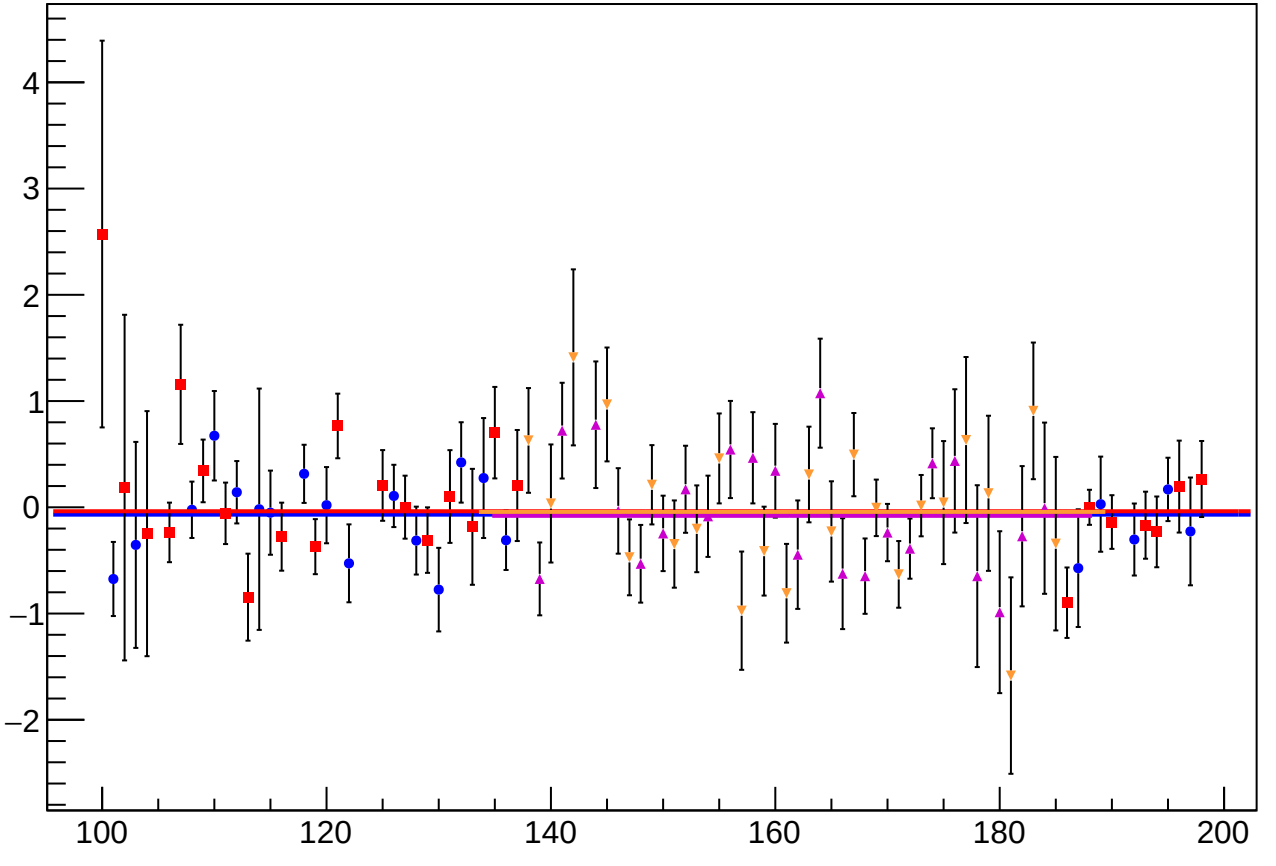
Right: 221.551+/-0.036 χ^2/NDF: 4451875.9/45

In: 291.525+/-0.042 χ^2/NDF:5941626.6/43

Out: 264.683+/-0.038 χ^2/NDF:9491172.7/48

All: 276.887+/-0.028 χ^2/NDF: 15659999.7/92

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.069+/-0.079 χ^2/NDF: 19.4/20

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.037+/-0.067 χ^2/NDF: 35.0/24

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

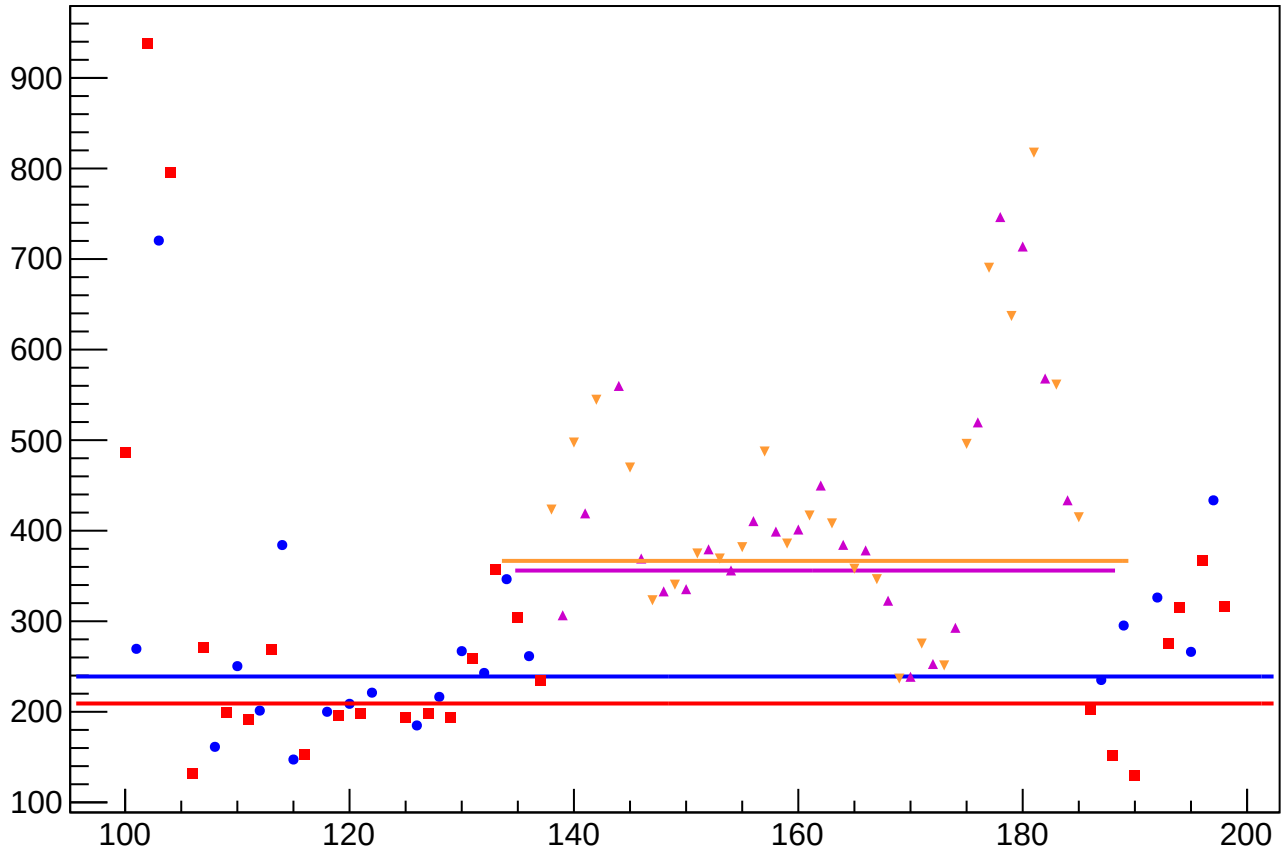
Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

Right: -0.050+/-0.051 χ^2/NDF: 54.5/45

In: -0.074+/-0.059 χ^2/NDF:49.7/43

Out: -0.039+/-0.054 χ^2/NDF:66.0/48

All: -0.055+/-0.040 χ^2/NDF: 115.9/92



Right In: 238.992+/-0.056 χ^2/NDF: 1562402.4/20

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 209.177+/-0.047 χ^2/NDF: 2723792.5/24

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

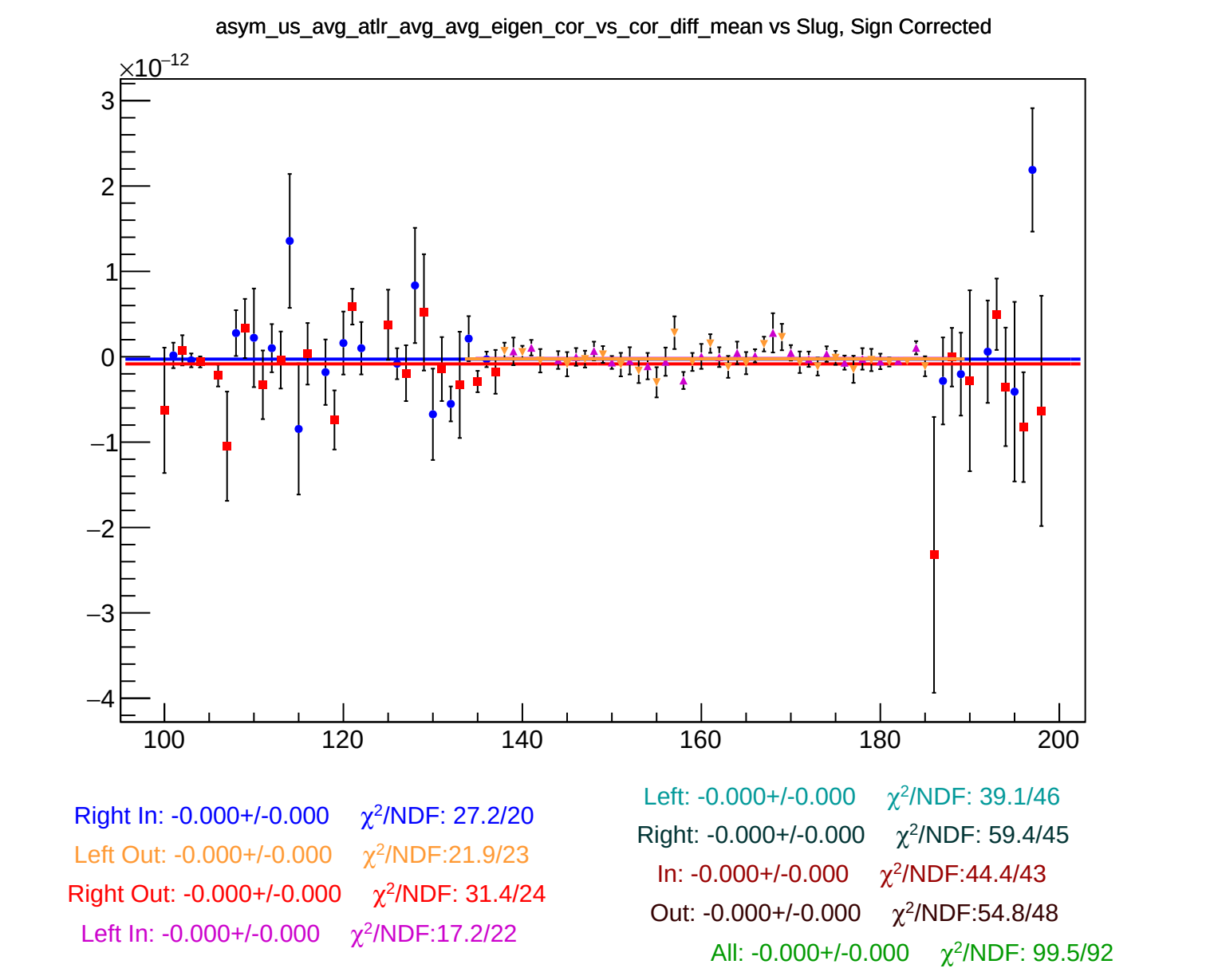
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

Right: 221.551+/-0.036 χ^2/NDF: 4451875.9/45

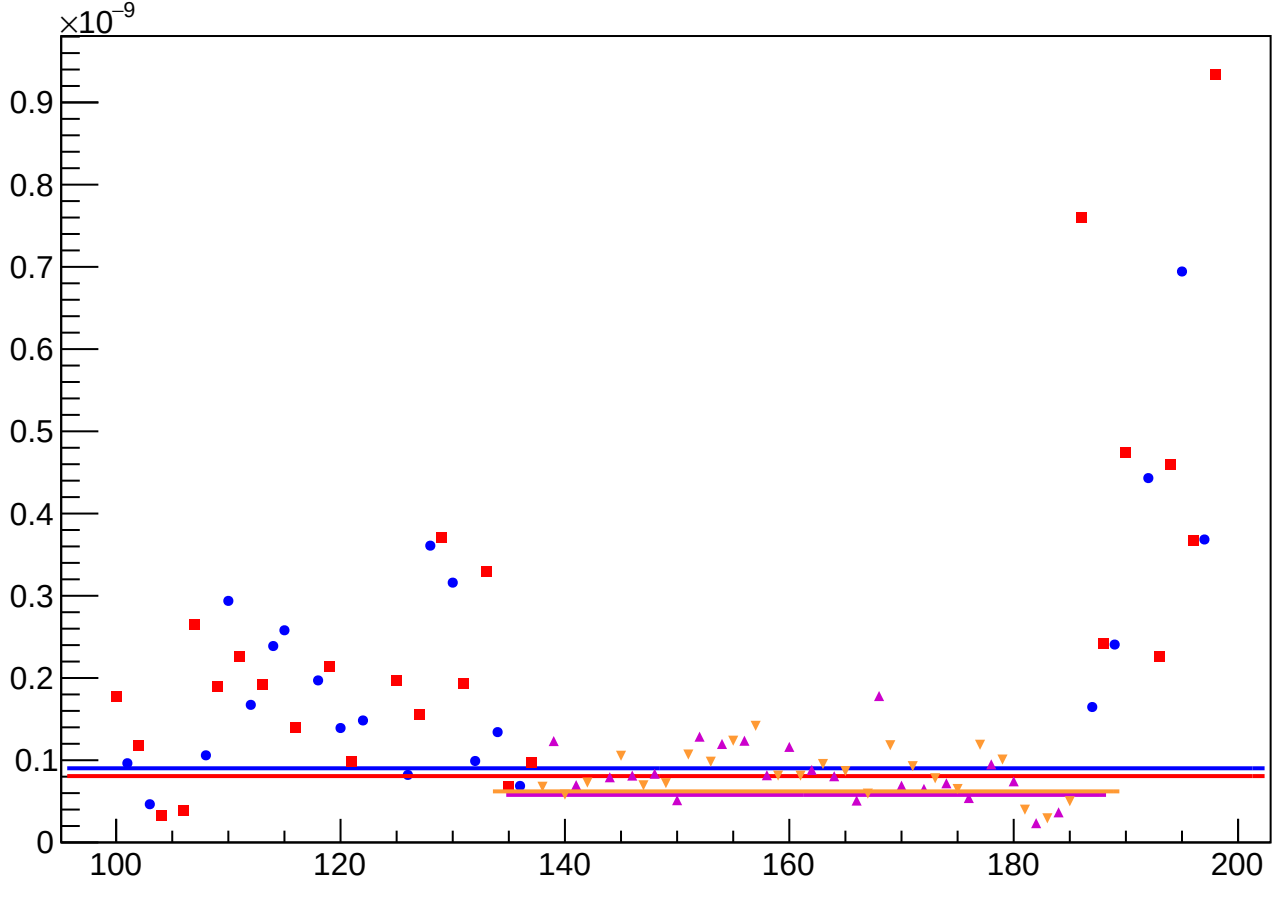
In: 291.525+/-0.042 χ^2/NDF:5941626.6/43

Out: 264.683+/-0.038 χ^2/NDF:9491172.7/48

All: 276.887+/-0.028 χ^2/NDF: 15659999.7/92


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: 27.2/20
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 31.4/24
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: 59.4/45
In: -0.000+/-0.000 χ²/NDF:44.4/43
Out: -0.000+/-0.000 χ²/NDF:54.8/48
All: -0.000+/-0.000 χ²/NDF: 99.5/92

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4158135.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6936165.5/24

Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

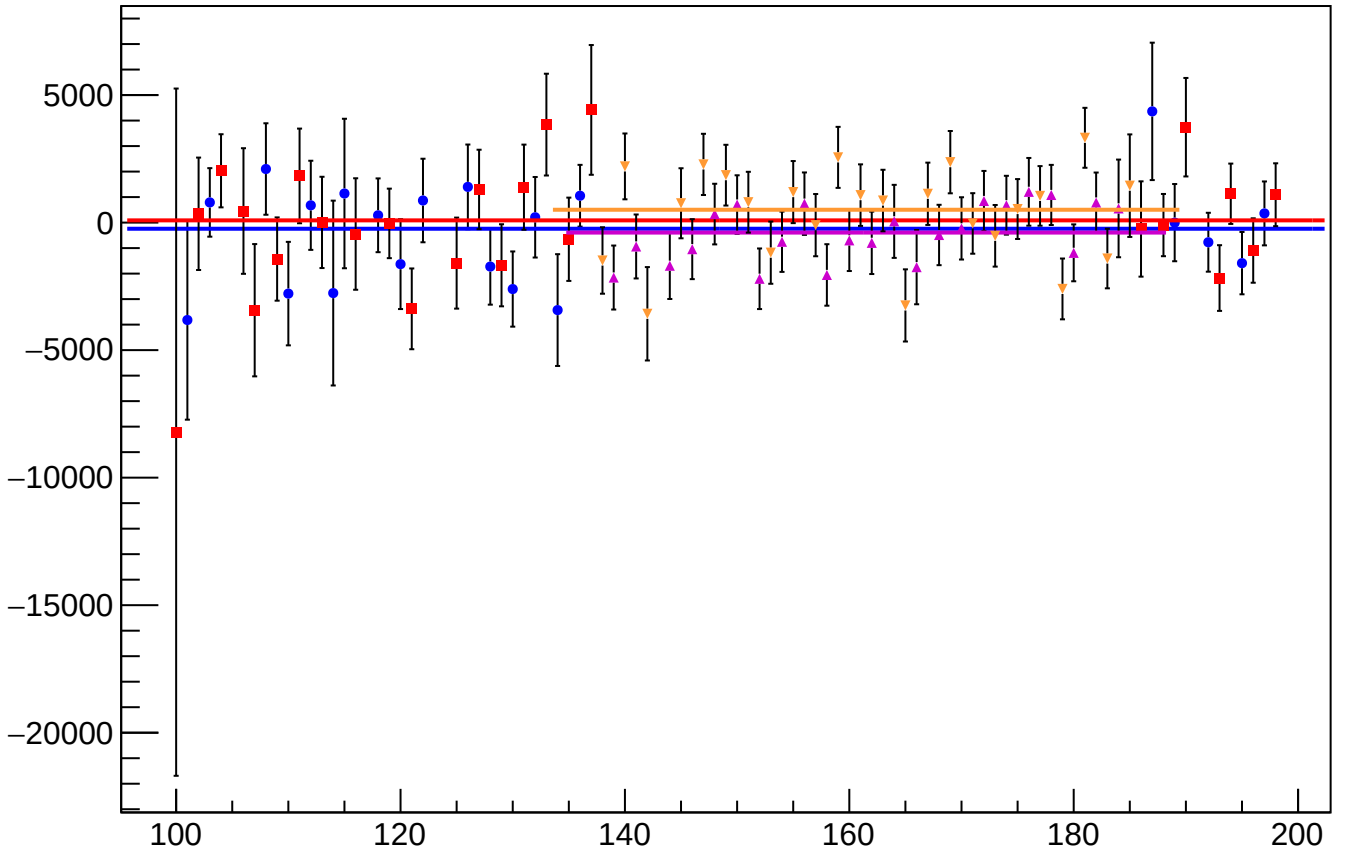
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 11139009.8/45

In: 0.000+/-0.000 χ^2/NDF:10510687.1/43

Out: 0.000+/-0.000 χ^2/NDF:11342516.6/48

All: 0.000+/-0.000 χ^2/NDF: 21881355.7/92



Right In: -241.217+/-352.204 χ^2/NDF: 19.4/20

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: 87.227+/-329.346 χ^2/NDF: 29.7/24

Left In: -391.701+/-257.386 χ^2/NDF:17.8/22

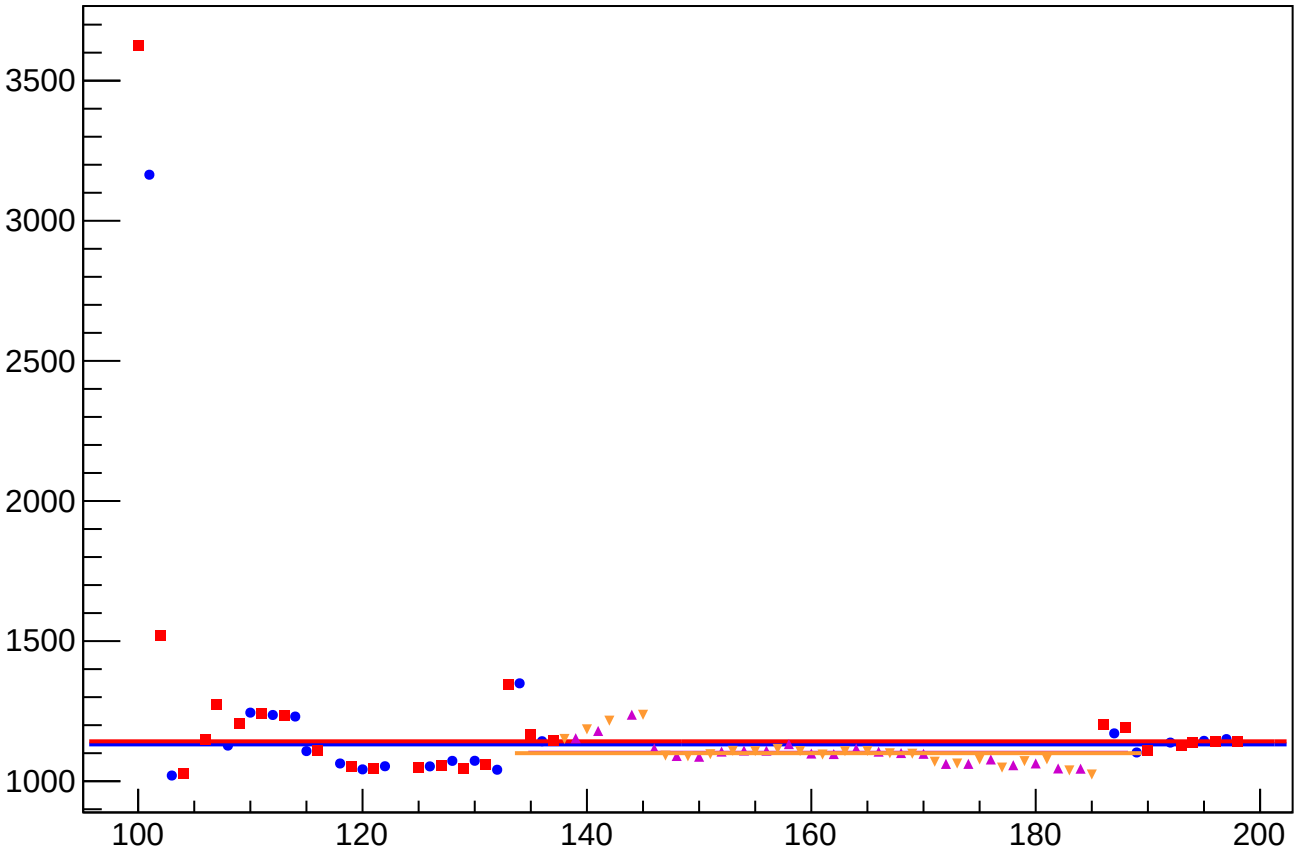
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: -65.992+/-240.558 χ^2/NDF: 49.5/45

In: -339.313+/-207.810 χ^2/NDF:37.3/43

Out: 347.143+/-201.890 χ^2/NDF:75.2/48

All: 13.831+/-144.805 χ^2/NDF: 118.2/92



Right In: 1131.365+/-0.249 χ^2/NDF: 623403.9/20

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1142.352+/-0.233 χ^2/NDF: 226668.1/24

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

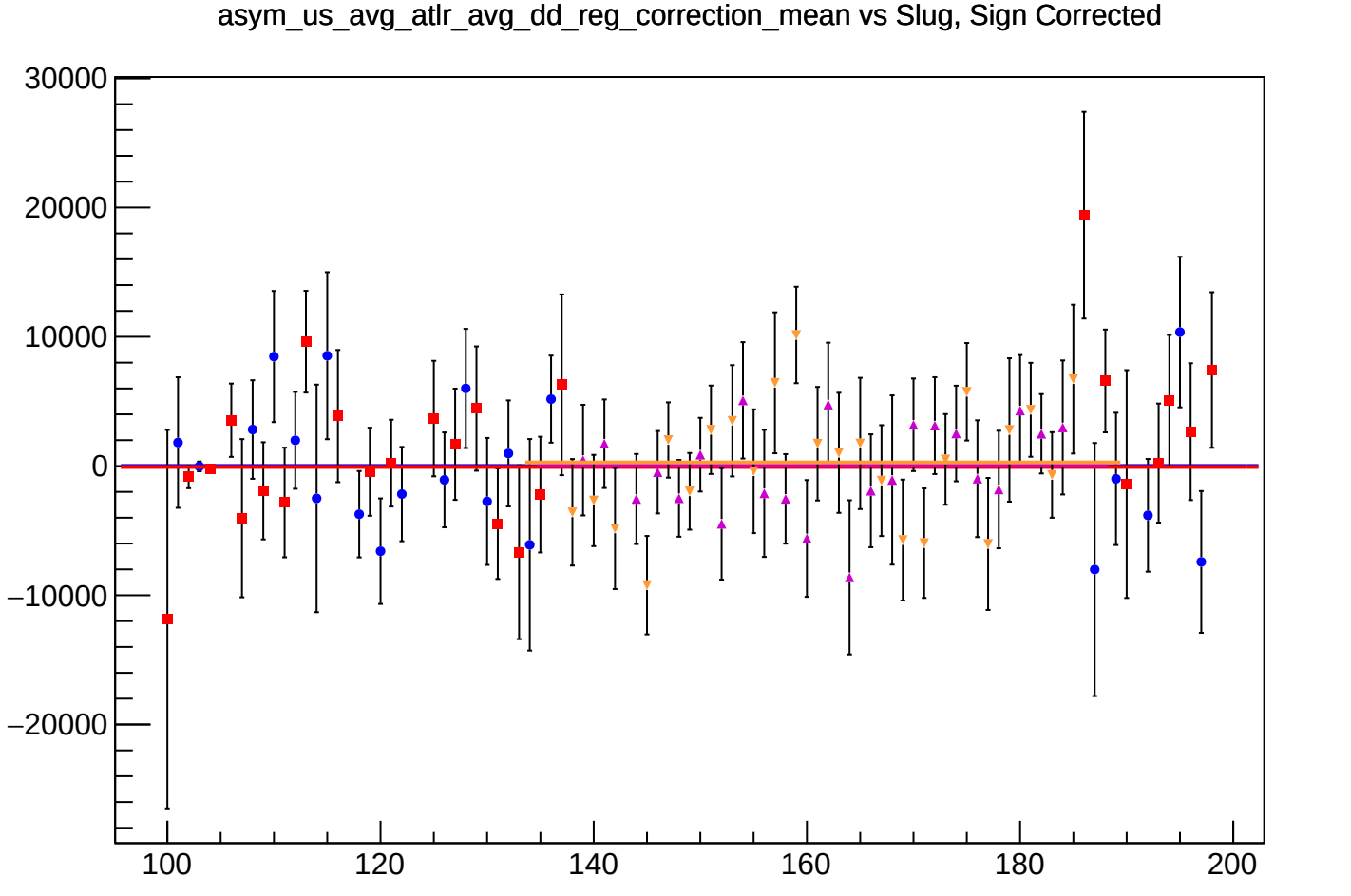
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1137.232+/-0.170 χ^2/NDF: 851111.3/45

In: 1111.916+/-0.147 χ^2/NDF:684905.4/43

Out: 1115.975+/-0.143 χ^2/NDF:306012.5/48

All: 1114.005+/-0.102 χ^2/NDF: 991310.6/92



Right In: 4.504+/-353.959 χ^2/NDF: 21.3/20

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

Right Out: -73.890+/-318.575 χ^2/NDF: 27.4/24

Left In: 94.734+/-817.223 χ^2/NDF:13.7/22

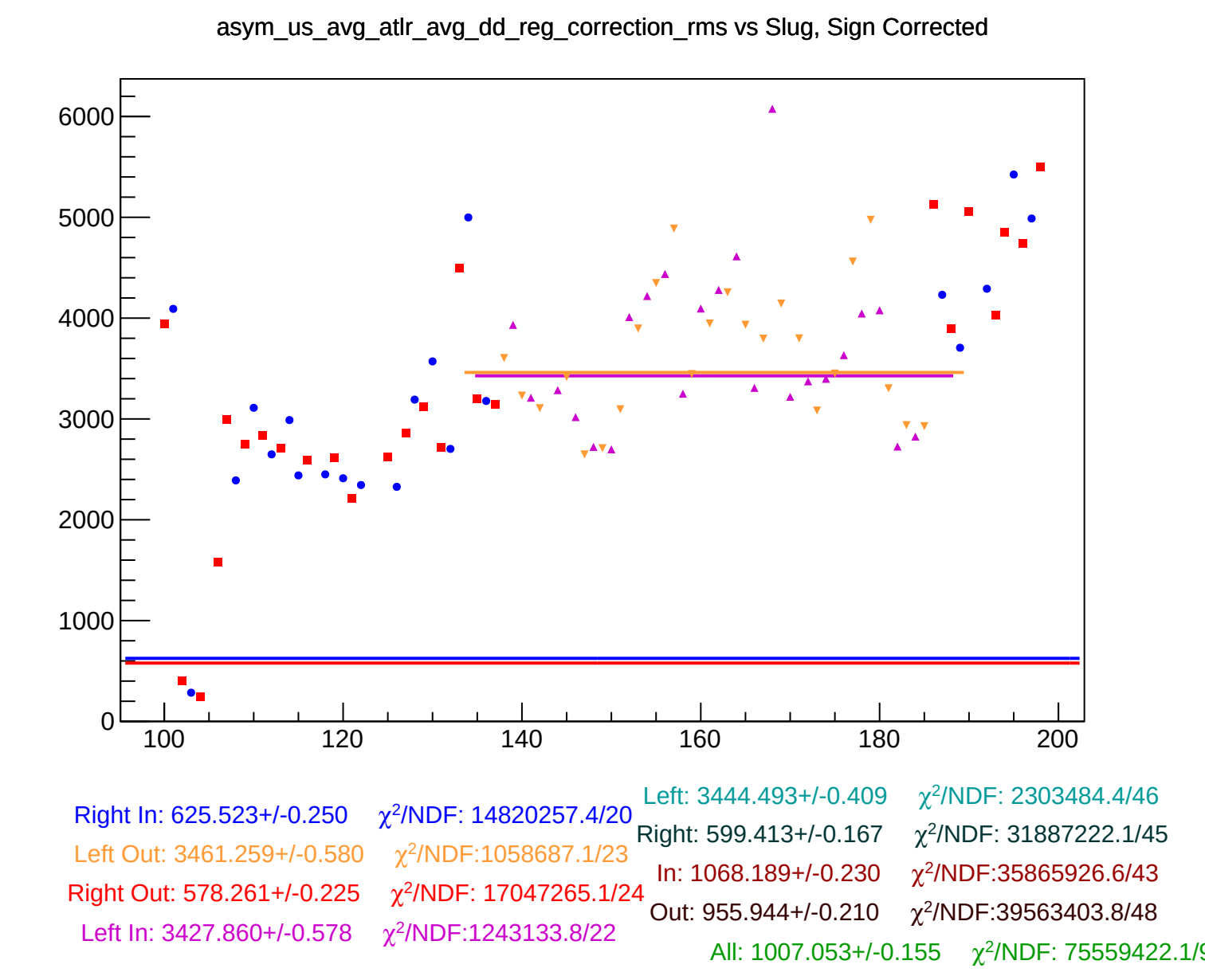
Left: 185.755+/-579.019 χ^2/NDF: 43.6/46

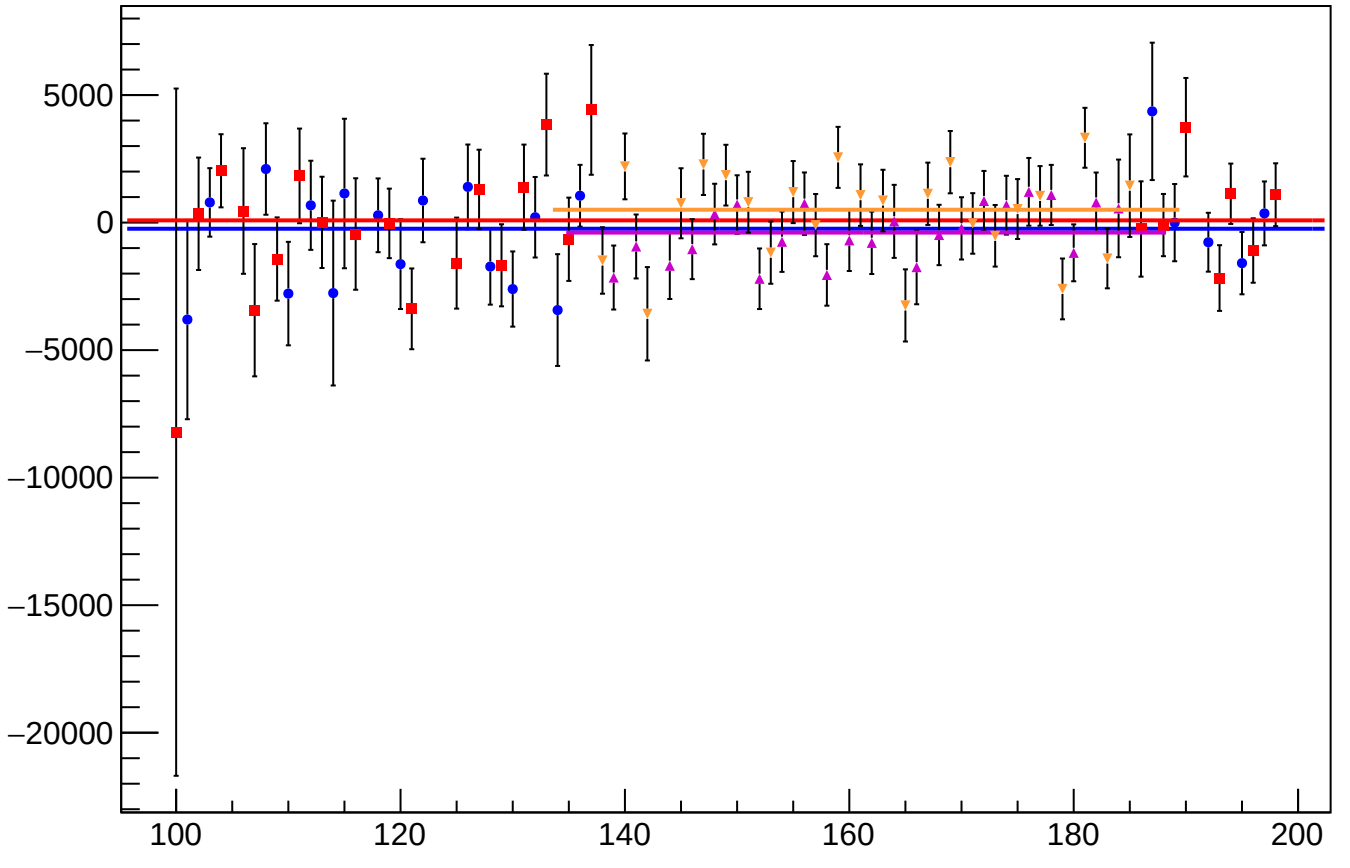
Right: -38.806+/-236.791 χ^2/NDF: 48.8/45

In: 18.757+/-324.802 χ^2/NDF:35.0/43

Out: -27.855+/-296.976 χ^2/NDF:57.4/48

All: -6.631+/-219.172 χ^2/NDF: 92.5/92


asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 625.523+/-0.250 χ²/NDF: 14820257.4/20
Left Out: 3461.259+/-0.580 χ²/NDF:1058687.1/23
Right Out: 578.261+/-0.225 χ²/NDF: 17047265.1/24
Left In: 3427.860+/-0.578 χ²/NDF:1243133.8/22
Left: 3444.493+/-0.409 χ²/NDF: 2303484.4/46
Right: 599.413+/-0.167 χ²/NDF: 31887222.1/45
In: 1068.189+/-0.230 χ²/NDF:35865926.6/43
Out: 955.944+/-0.210 χ²/NDF:39563403.8/48
All: 1007.053+/-0.155 χ²/NDF: 75559422.1/9



Right In: -241.116+/-352.204 χ^2/NDF: 19.4/20

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 87.307+/-329.346 χ^2/NDF: 29.7/24

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

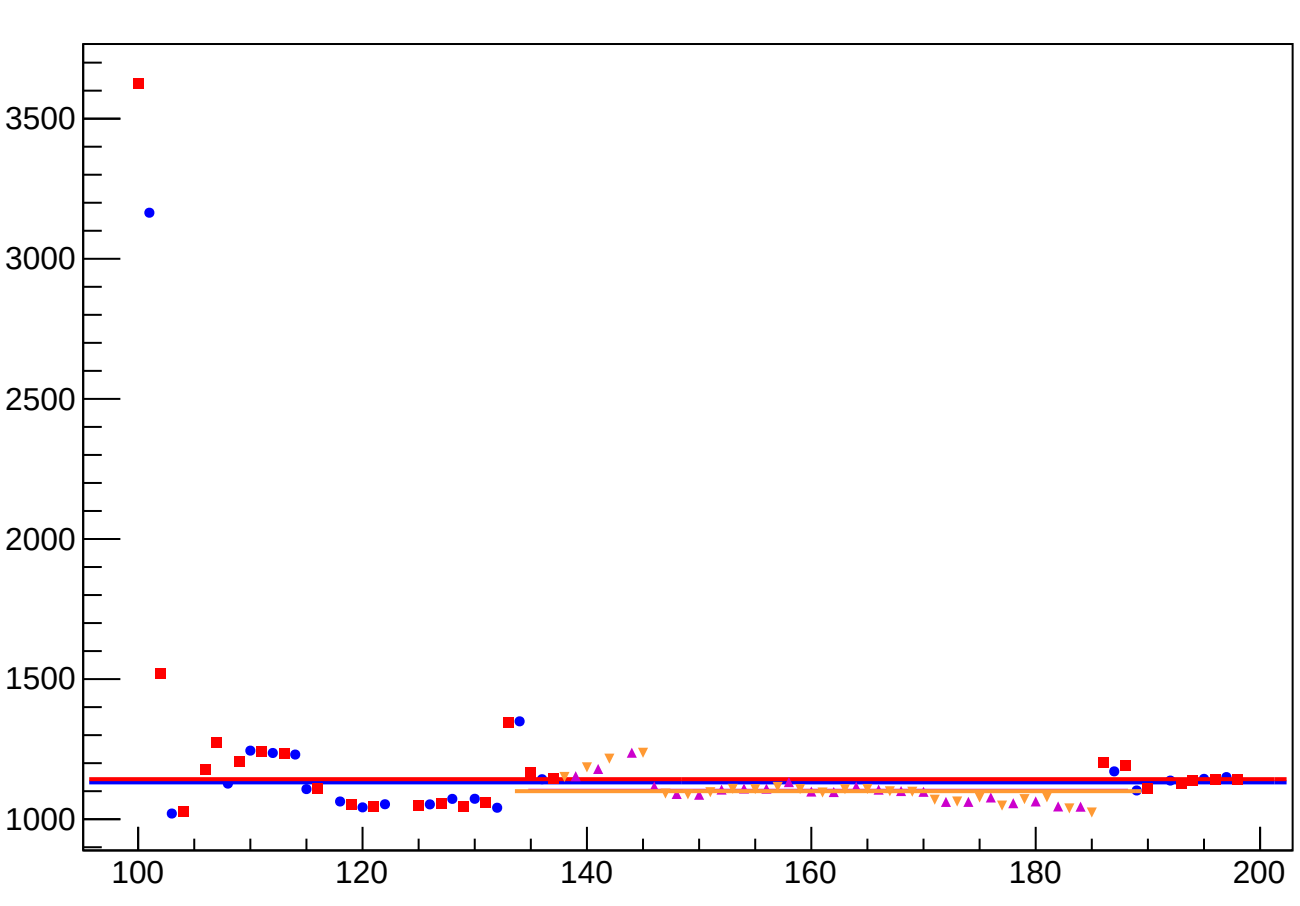
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

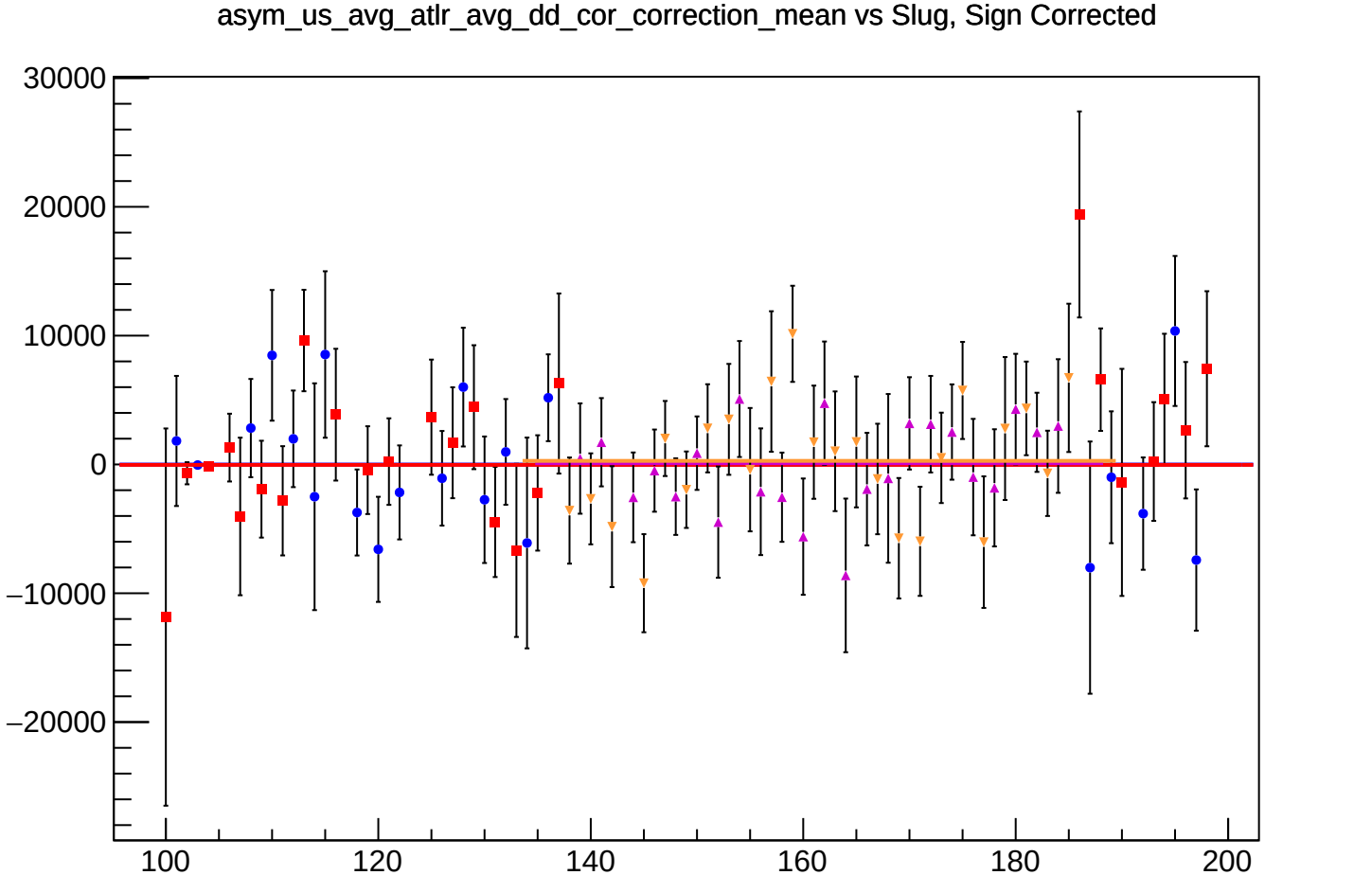
Right: -65.902+/-240.558 χ^2/NDF: 49.5/45

In: -339.270+/-207.810 χ^2/NDF:37.3/43

Out: 347.219+/-201.890 χ^2/NDF:75.3/48

All: 13.891+/-144.805 χ^2/NDF: 118.2/92


cor_asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
Right In: 1131.365+/-0.249 χ²/NDF: 623405.0/20
Left Out: 1100.063+/-0.181 χ²/NDF:58733.9/23
Right Out: 1142.920+/-0.233 χ²/NDF: 227099.8/24
Left In: 1101.530+/-0.182 χ²/NDF:52145.9/22
Left: 1100.791+/-0.128 χ²/NDF: 110912.5/46
Right: 1137.532+/-0.170 χ²/NDF: 851653.6/45
In: 1111.916+/-0.147 χ²/NDF:684906.4/43
Out: 1116.174+/-0.143 χ²/NDF:306982.3/48
All: 1114.107+/-0.102 χ²/NDF: 992320.8/92



Right In: -9.446+/-341.221 χ^2/NDF: 21.3/20

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -33.528+/-313.583 χ^2/NDF: 25.7/24

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

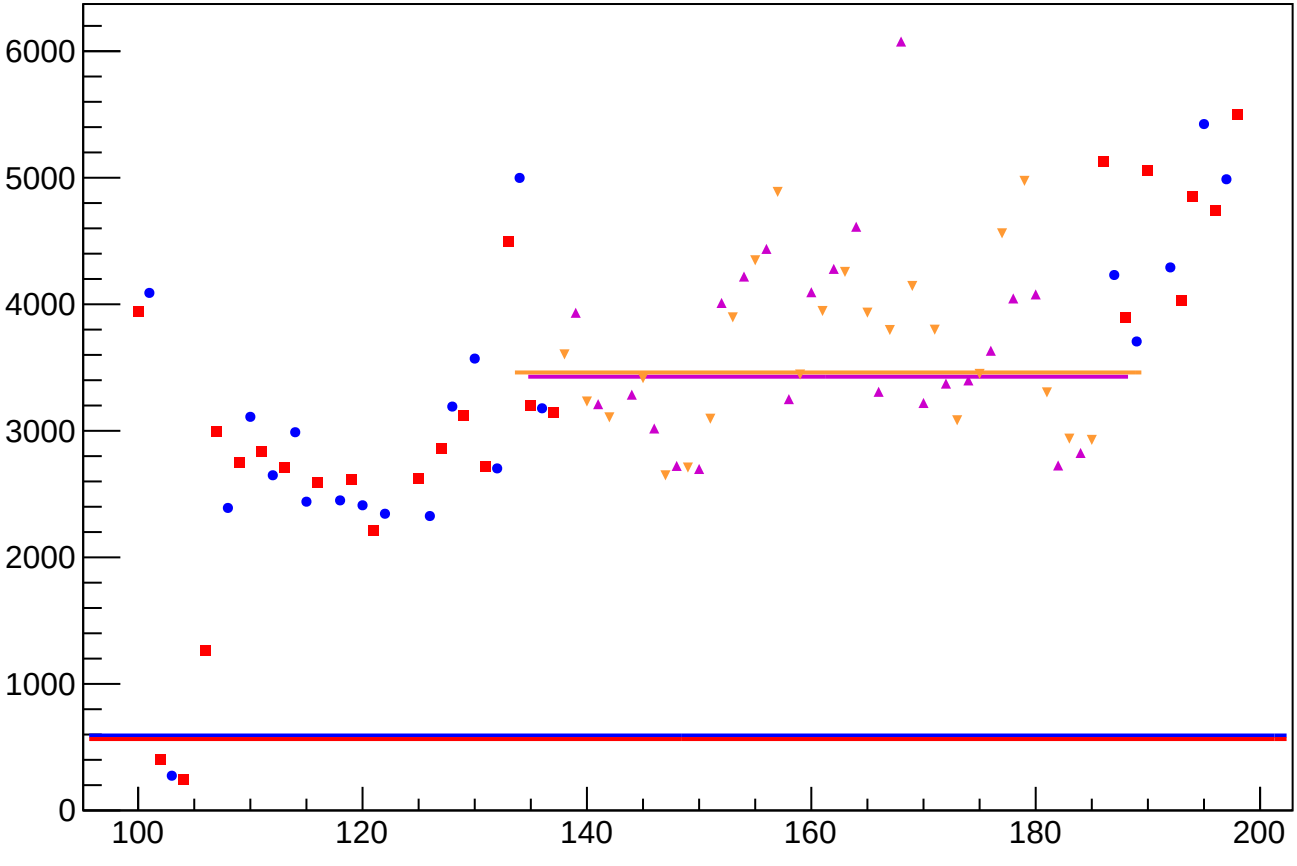
Right: -22.501+/-230.890 χ^2/NDF: 47.0/45

In: 6.022+/-314.876 χ^2/NDF:35.0/43

Out: 6.117+/-292.920 χ^2/NDF:55.7/48

All: 6.073+/-214.468 χ^2/NDF: 90.7/92

asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 592.281+/-0.241 χ^2/NDF: 15050939.4/20

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 564.255+/-0.222 χ^2/NDF: 17019211.3/24

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

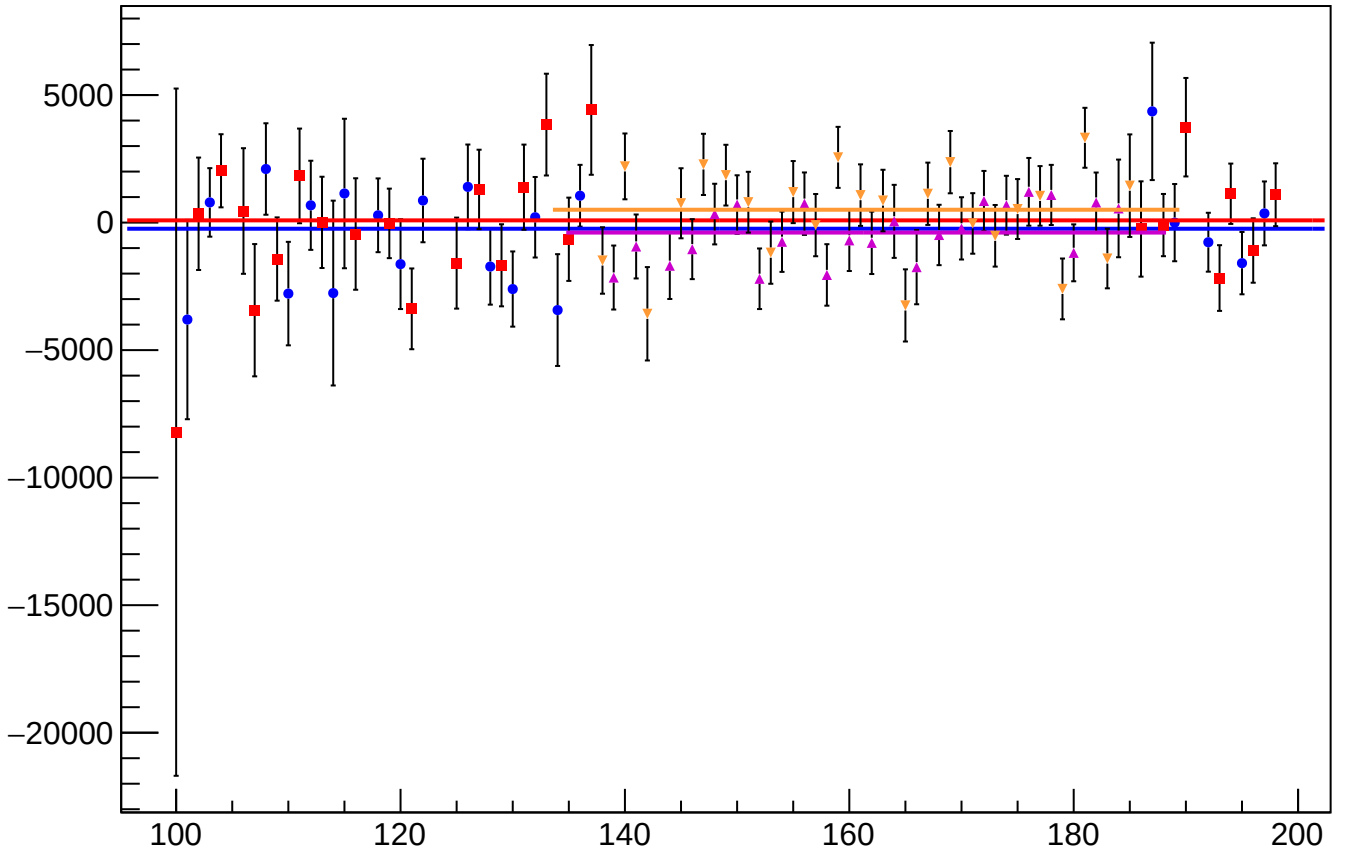
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 577.087+/-0.163 χ^2/NDF: 32077465.2/45

In: 1013.240+/-0.223 χ^2/NDF:36798110.7/43

Out: 933.477+/-0.207 χ^2/NDF:39832972.2/48

All: 970.481+/-0.152 χ^2/NDF: 76699881.8/92



Right In: -241.116+/-352.204 χ^2/NDF: 19.4/20

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 87.307+/-329.346 χ^2/NDF: 29.7/24

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

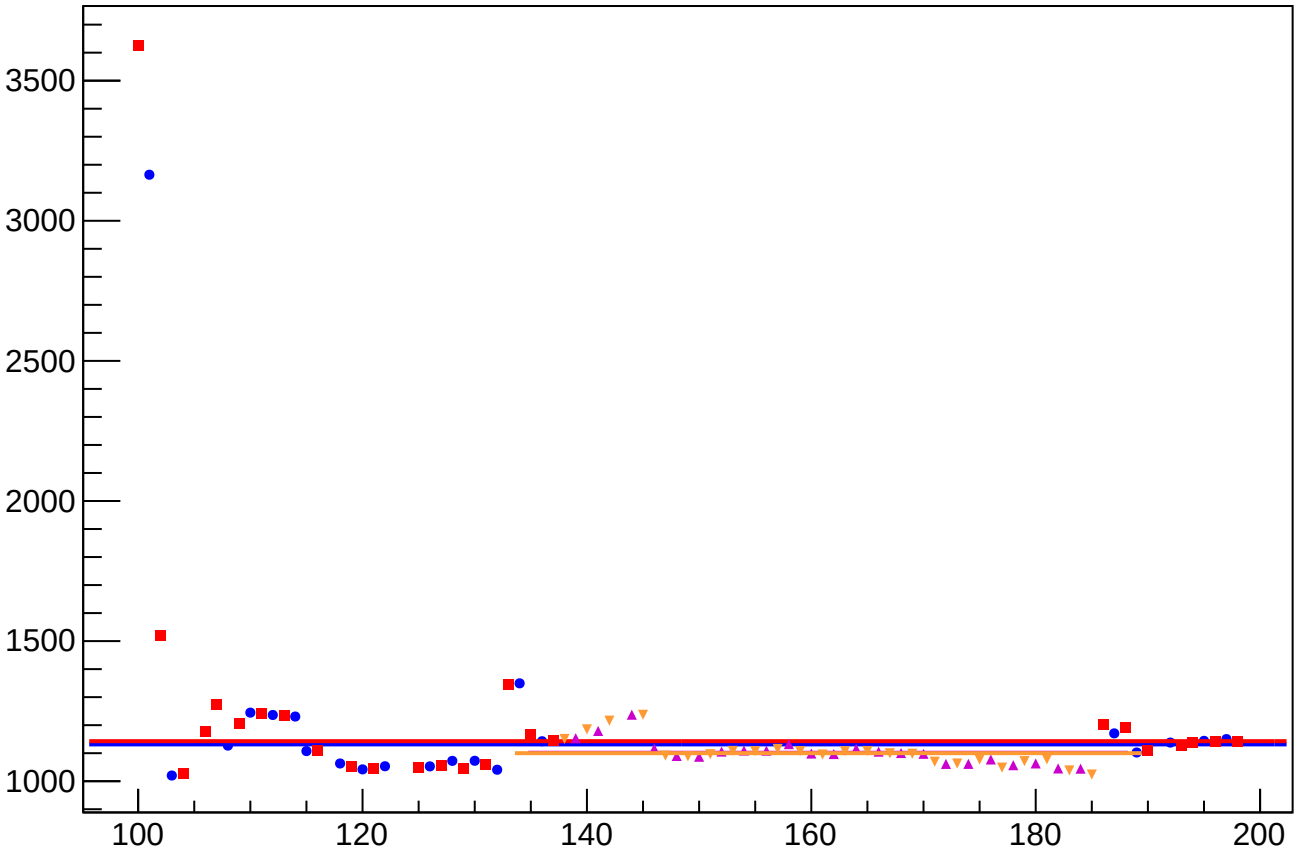
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: -65.902+/-240.558 χ^2/NDF: 49.5/45

In: -339.270+/-207.810 χ^2/NDF:37.3/43

Out: 347.219+/-201.890 χ^2/NDF:75.3/48

All: 13.891+/-144.805 χ^2/NDF: 118.2/92



Right In: 1131.365+/-0.249 χ^2/NDF: 623405.0/20

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1142.920+/-0.233 χ^2/NDF: 227099.8/24

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

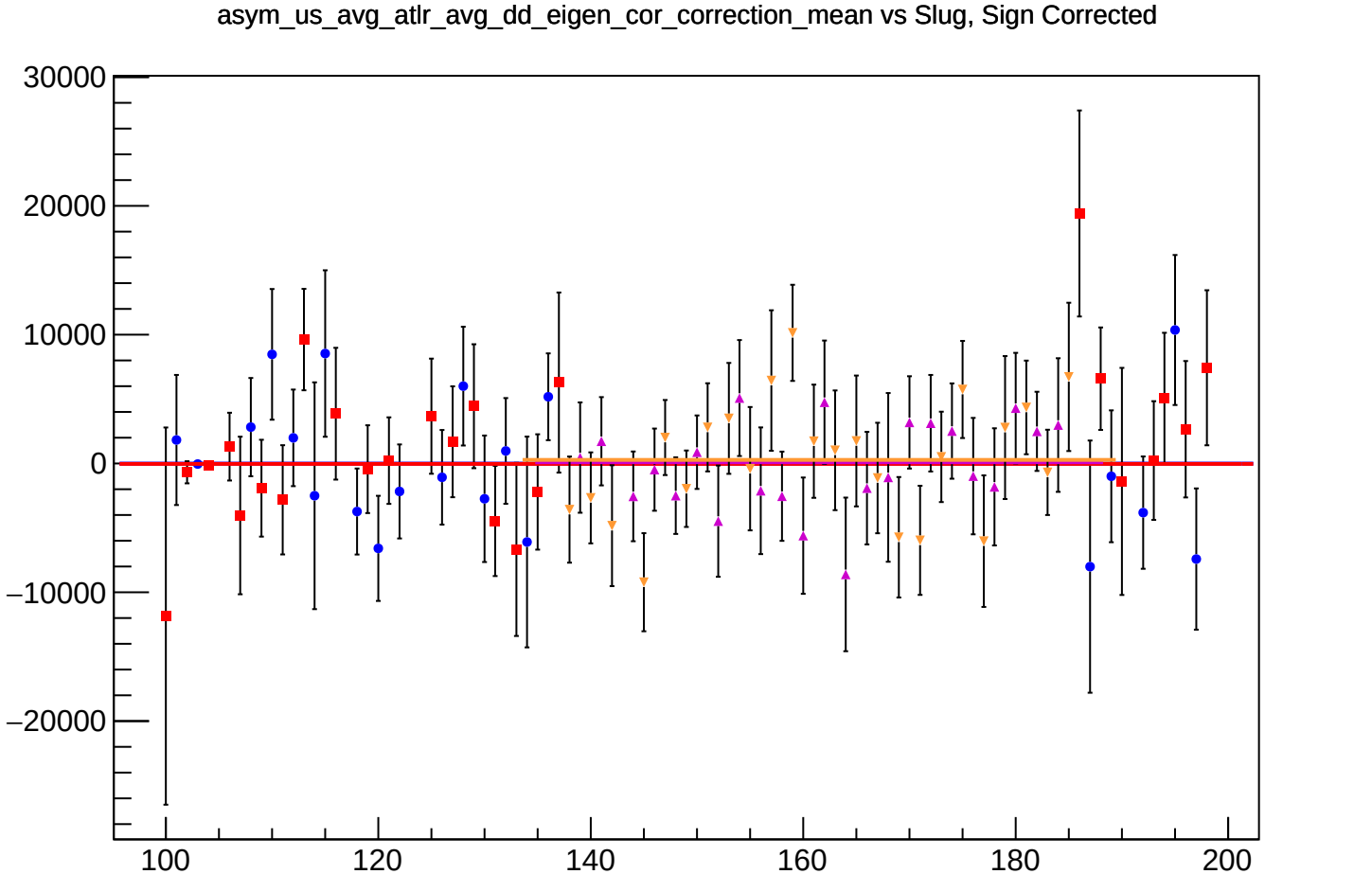
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1137.532+/-0.170 χ^2/NDF: 851653.6/45

In: 1111.916+/-0.147 χ^2/NDF:684906.4/43

Out: 1116.174+/-0.143 χ^2/NDF:306982.3/48

All: 1114.107+/-0.102 χ^2/NDF: 992320.8/92



Right In: -9.446+/-341.221 χ^2/NDF: 21.3/20

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -33.528+/-313.583 χ^2/NDF: 25.7/24

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

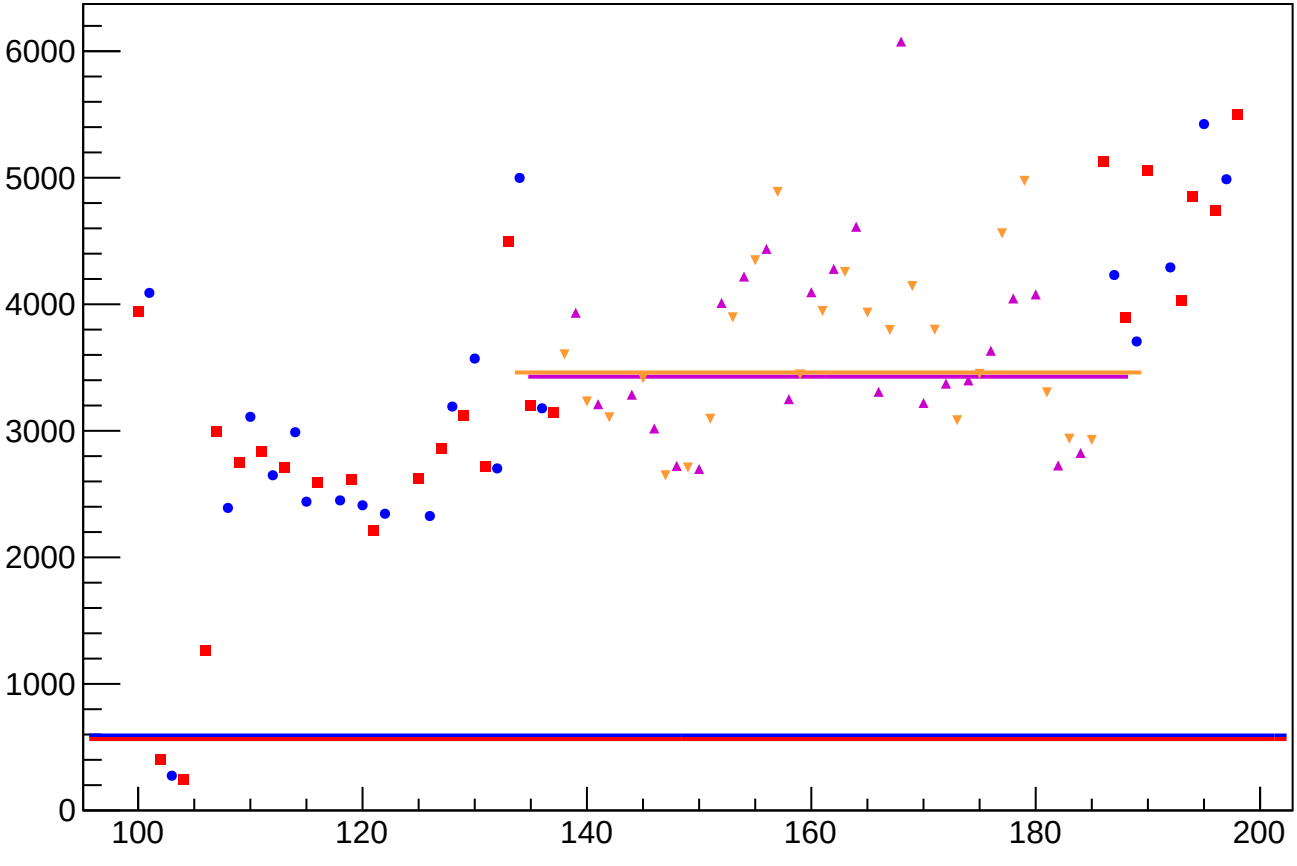
Right: -22.501+/-230.890 χ^2/NDF: 47.0/45

In: 6.022+/-314.876 χ^2/NDF:35.0/43

Out: 6.117+/-292.920 χ^2/NDF:55.7/48

All: 6.073+/-214.468 χ^2/NDF: 90.7/92

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 592.281+/-0.241 χ^2/NDF: 15050939.4/20

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 564.255+/-0.222 χ^2/NDF: 17019211.3/24

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

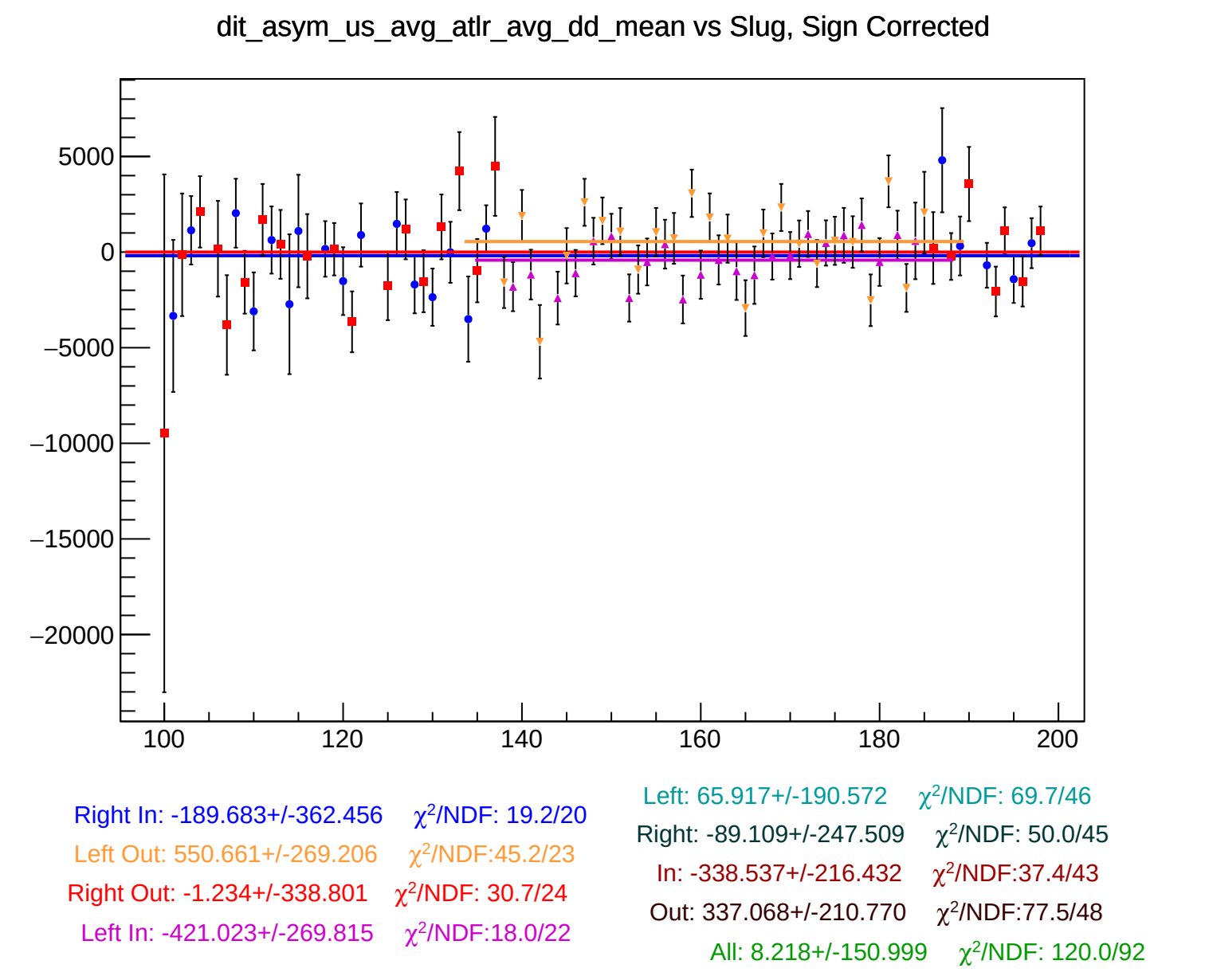
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

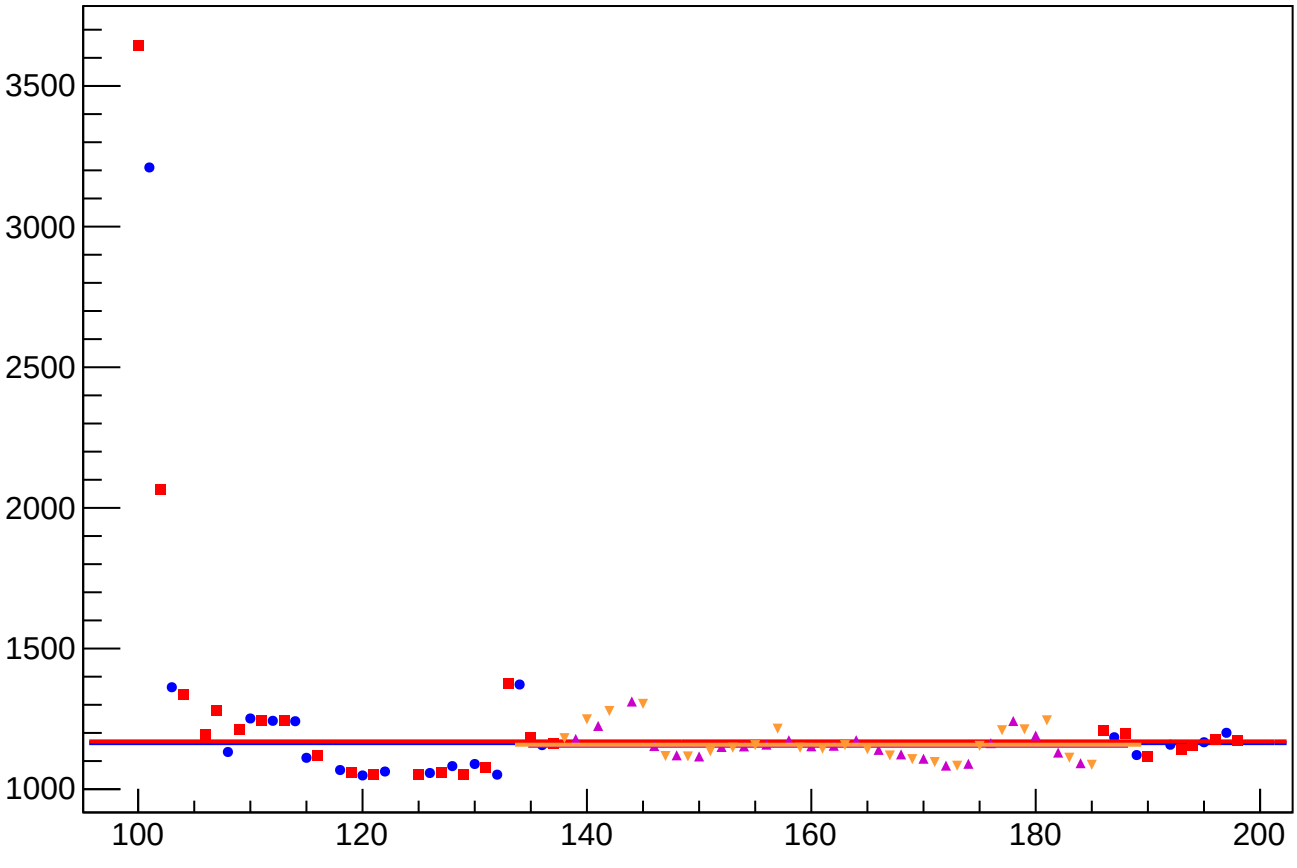
Right: 577.087+/-0.163 χ^2/NDF: 32077465.2/45

In: 1013.240+/-0.223 χ^2/NDF:36798110.7/43

Out: 933.477+/-0.207 χ^2/NDF:39832972.2/48

All: 970.481+/-0.152 χ^2/NDF: 76699881.8/92


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: -189.683+/-362.456 χ²/NDF: 19.2/20
Left Out: 550.661+/-269.206 χ²/NDF:45.2/23
Right Out: -1.234+/-338.801 χ²/NDF: 30.7/24
Left In: -421.023+/-269.815 χ²/NDF:18.0/22
Left: 65.917+/-190.572 χ²/NDF: 69.7/46
Right: -89.109+/-247.509 χ²/NDF: 50.0/45
In: -338.537+/-216.432 χ²/NDF:37.4/43
Out: 337.068+/-210.770 χ²/NDF:77.5/48
All: 8.218+/-150.999 χ²/NDF: 120.0/92



Right In: 1163.711+/-0.256 χ^2/NDF: 638633.5/20

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

Right Out: 1169.930+/-0.240 χ^2/NDF: 336491.8/24

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

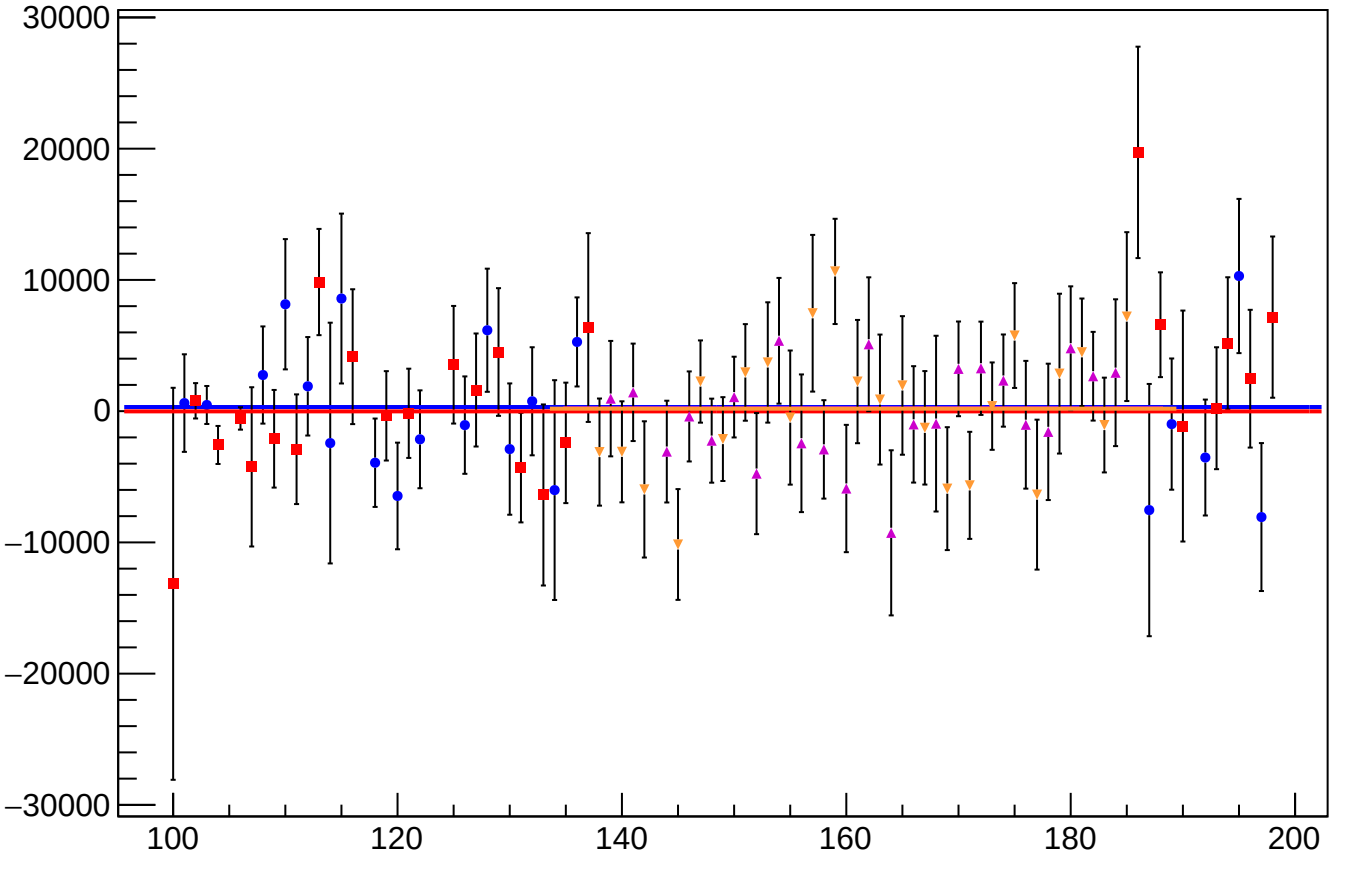
Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

Right: 1167.031+/-0.175 χ^2/NDF: 975439.5/45

In: 1157.611+/-0.153 χ^2/NDF:705990.9/43

Out: 1162.727+/-0.149 χ^2/NDF:422079.3/48

All: 1160.237+/-0.107 χ^2/NDF: 1128643.9/92



Right In: 316.178+/-824.425 χ^2/NDF: 21.1/20

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

Right Out: -16.223+/-545.335 χ^2/NDF: 28.5/24

Left In: 221.361+/-864.775 χ^2/NDF:13.4/22

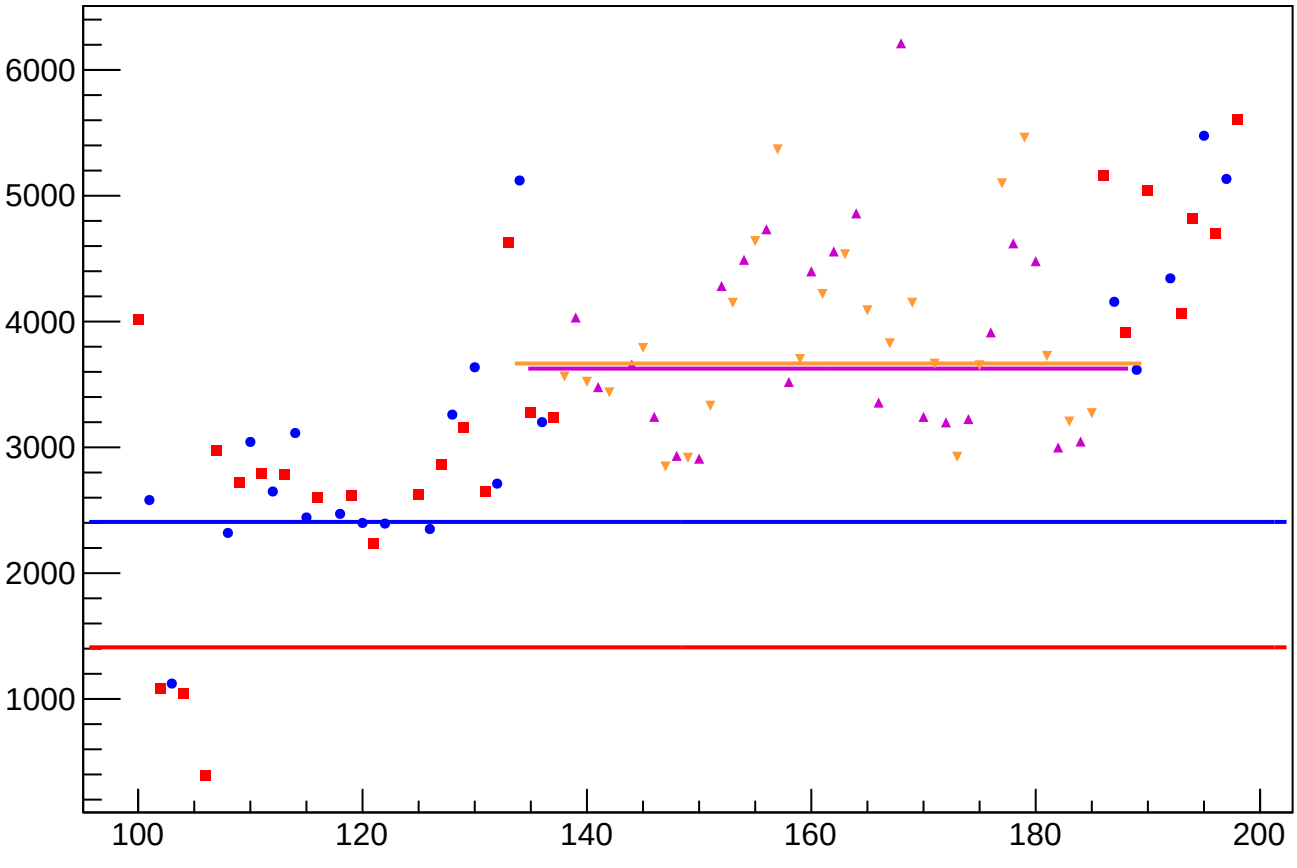
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

Right: 84.950+/-454.834 χ^2/NDF: 49.7/45

In: 271.033+/-596.712 χ^2/NDF:34.5/43

Out: 41.928+/-461.979 χ^2/NDF:57.8/48

All: 127.788+/-365.295 χ^2/NDF: 92.4/92



Right In: 2407.407+/-0.583 χ^2/NDF: 3734033.5/20

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1410.583+/-0.386 χ^2/NDF: 11023075.4/24

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

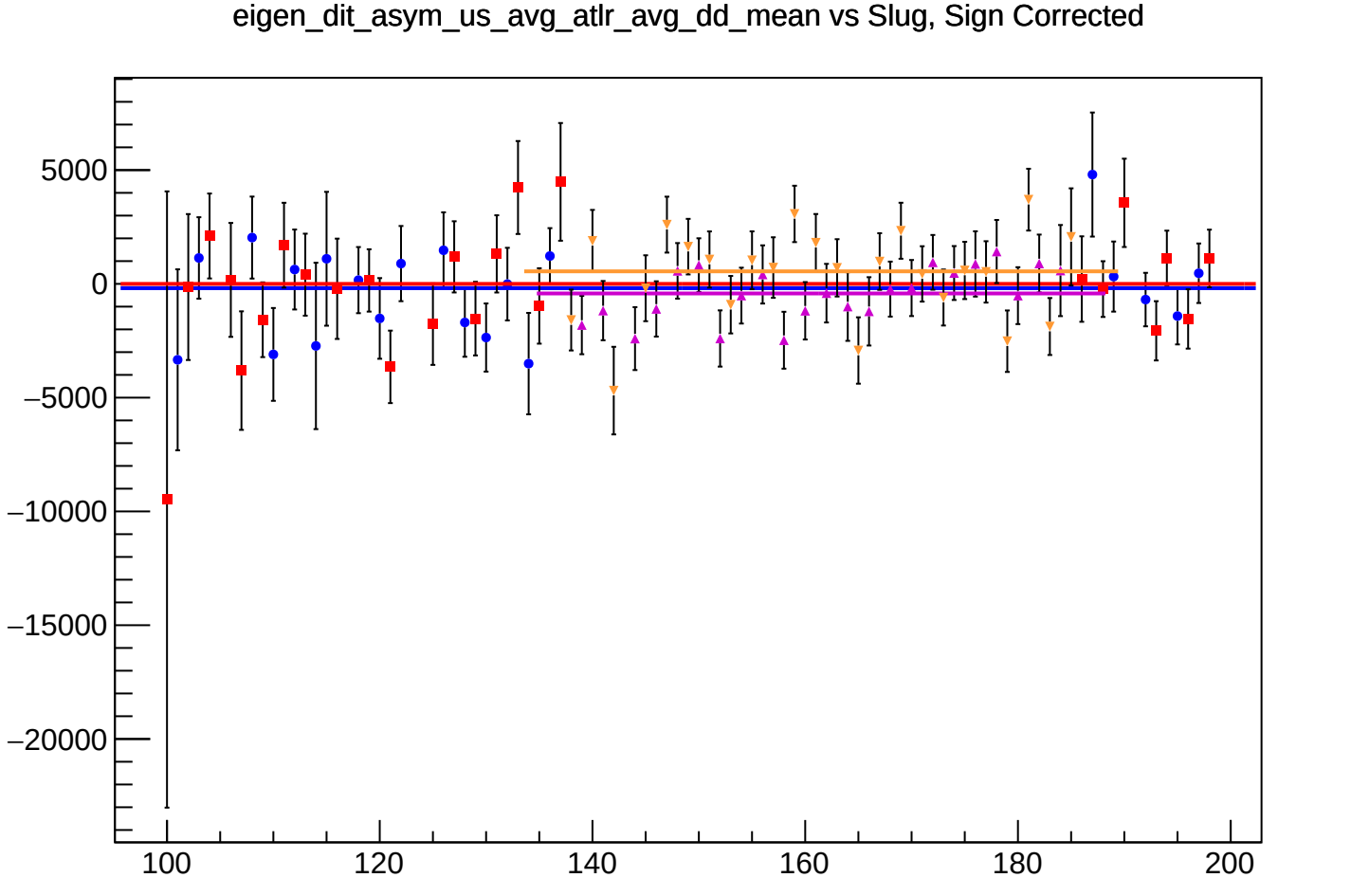
Left: 3646.129+/-0.434 χ^2/NDF: 2355951.7/46

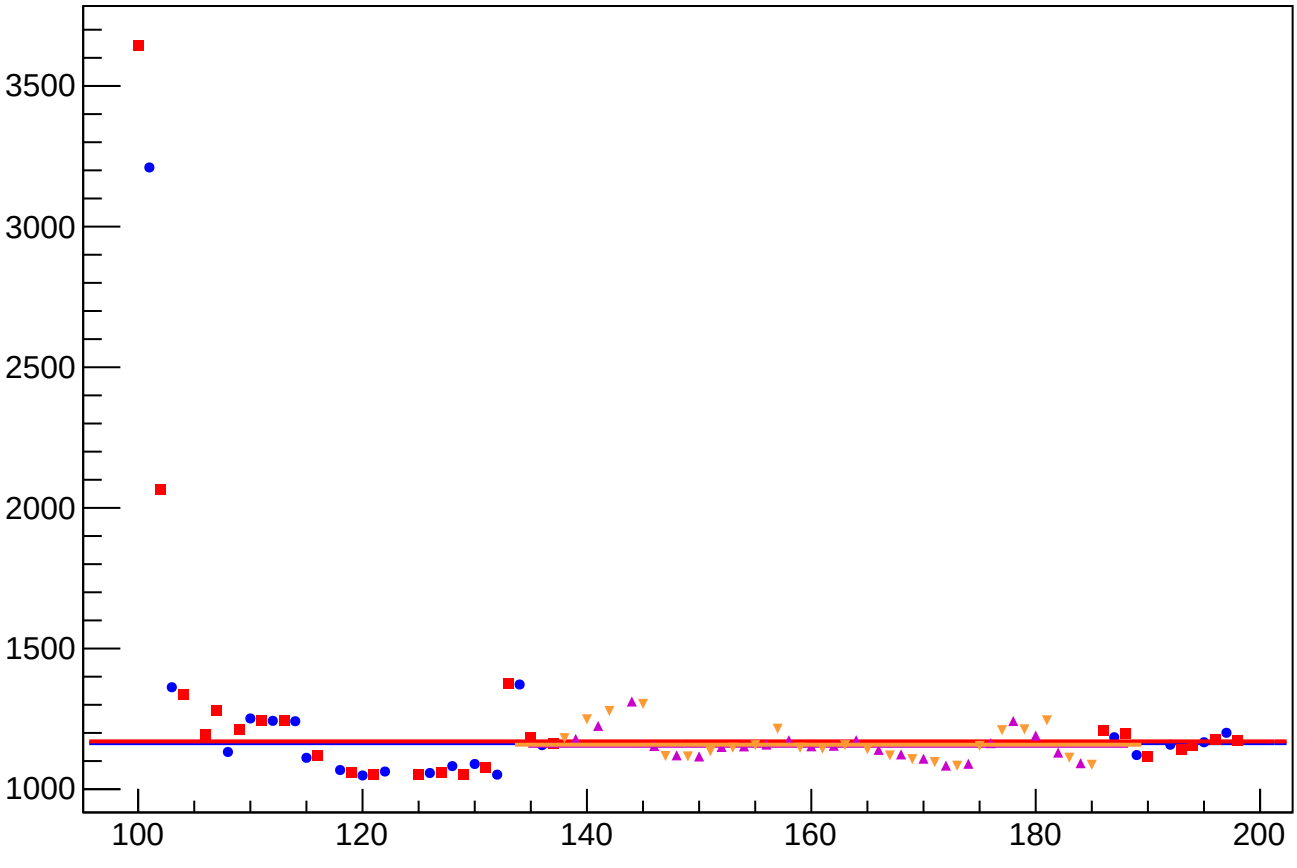
Right: 1713.986+/-0.322 χ^2/NDF: 16791070.6/45

In: 2987.583+/-0.422 χ^2/NDF:7072255.3/43

Out: 2047.530+/-0.327 χ^2/NDF:21782459.8/48

All: 2399.829+/-0.258 χ^2/NDF: 31958191.6/9


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: -189.684+/-362.456 χ²/NDF: 19.2/20
Left Out: 550.663+/-269.206 χ²/NDF:45.2/23
Right Out: -1.236+/-338.801 χ²/NDF: 30.7/24
Left In: -421.022+/-269.815 χ²/NDF:18.0/22
Left: 65.918+/-190.573 χ²/NDF: 69.7/46
Right: -89.110+/-247.509 χ²/NDF: 50.0/45
In: -338.536+/-216.432 χ²/NDF:37.4/43
Out: 337.069+/-210.770 χ²/NDF:77.5/48
All: 8.218+/-150.999 χ²/NDF: 120.0/92



Right In: 1163.711+/-0.256 χ^2/NDF: 638633.8/20

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

Right Out: 1169.930+/-0.240 χ^2/NDF: 336491.4/24

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

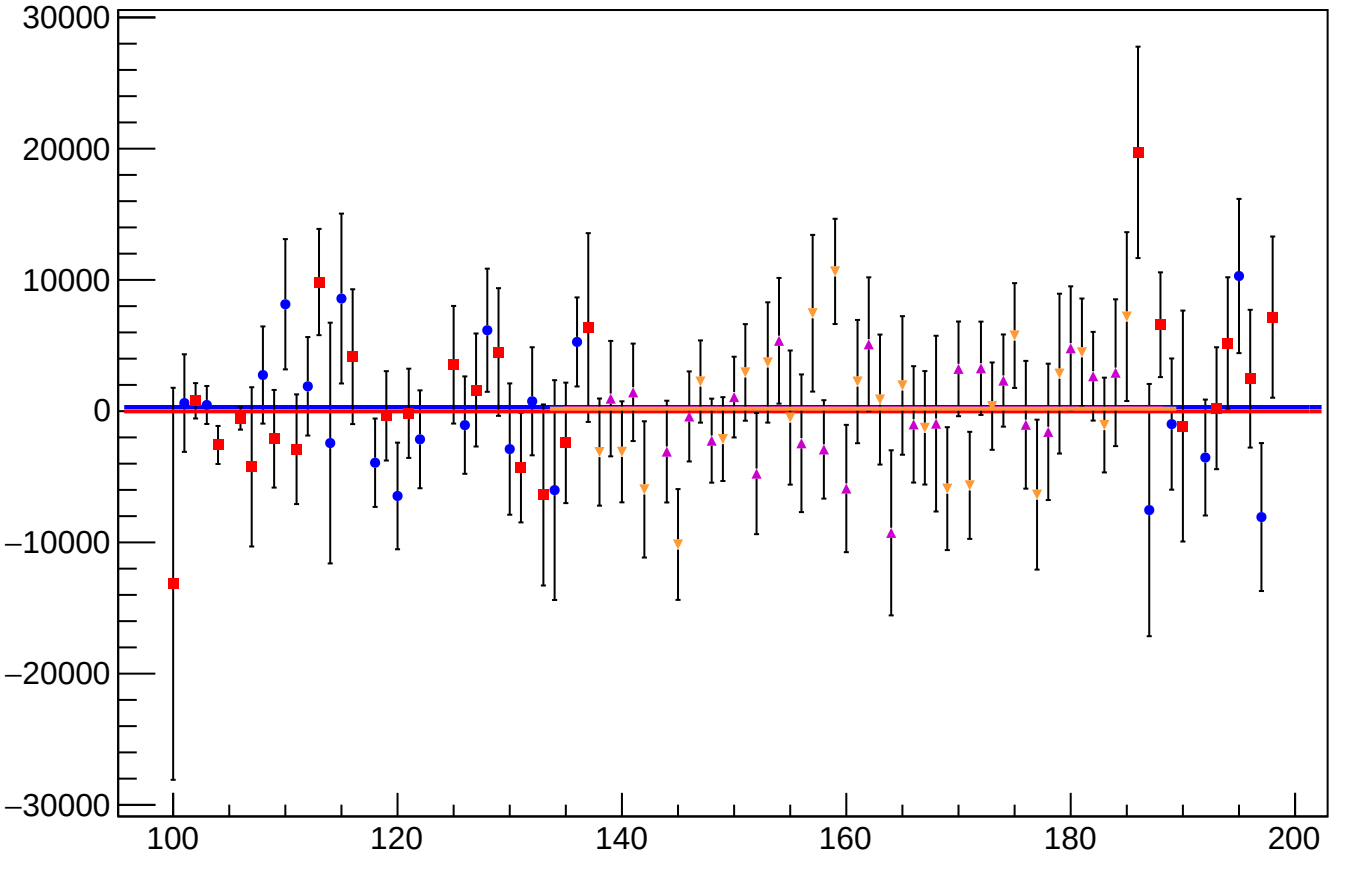
Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

Right: 1167.031+/-0.175 χ^2/NDF: 975439.5/45

In: 1157.612+/-0.153 χ^2/NDF:705993.5/43

Out: 1162.728+/-0.149 χ^2/NDF:422081.2/48

All: 1160.238+/-0.107 χ^2/NDF: 1128648.4/92



Right In: 316.173+/-824.424 χ^2/NDF: 21.1/20

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

Right Out: -16.233+/-545.329 χ^2/NDF: 28.5/24

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

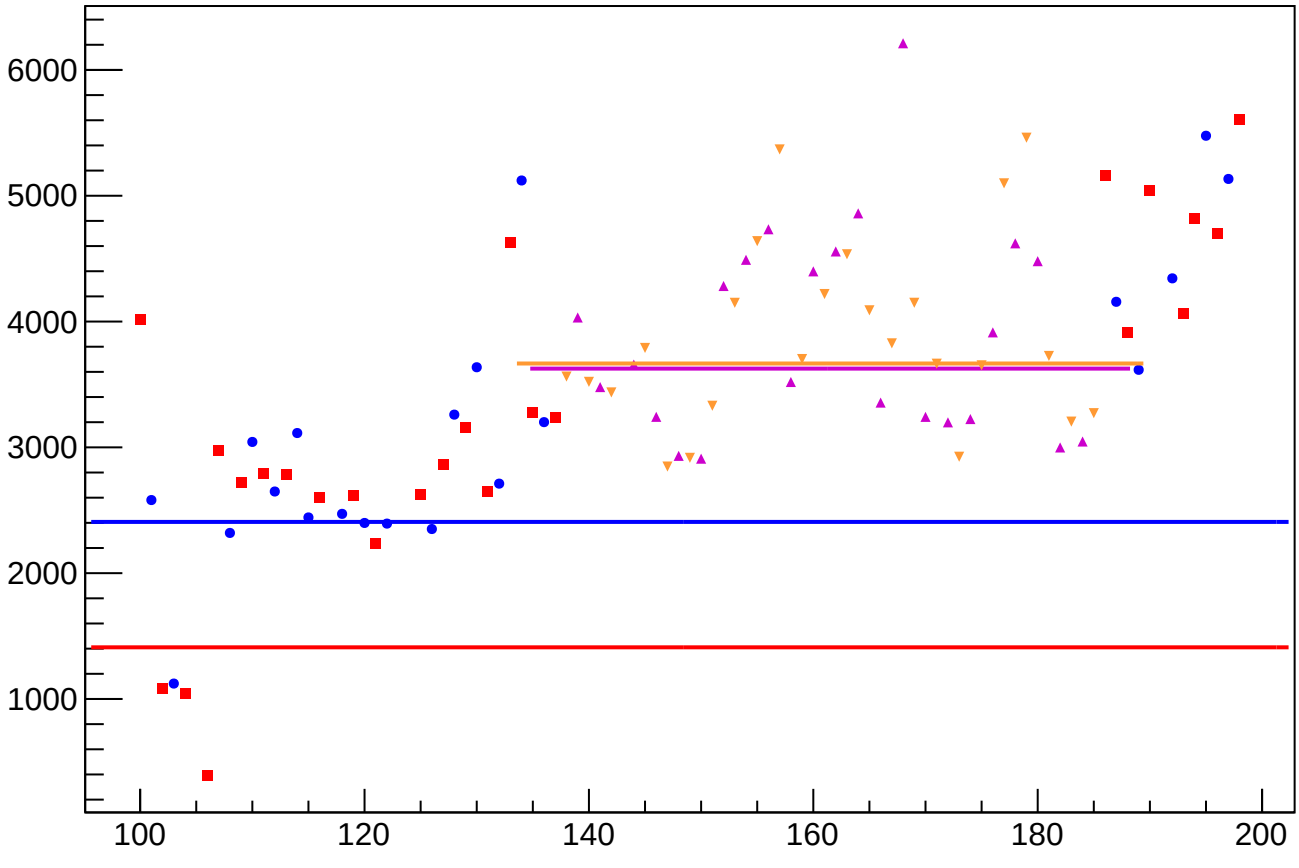
Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

Right: 84.940+/-454.830 χ^2/NDF: 49.7/45

In: 271.031+/-596.712 χ^2/NDF:34.5/43

Out: 41.919+/-461.976 χ^2/NDF:57.8/48

All: 127.782+/-365.294 χ^2/NDF: 92.4/92



Right In: 2407.403+/-0.583 χ^2/NDF: 3734040.6/20

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1410.556+/-0.386 χ^2/NDF: 11023284.6/24

Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

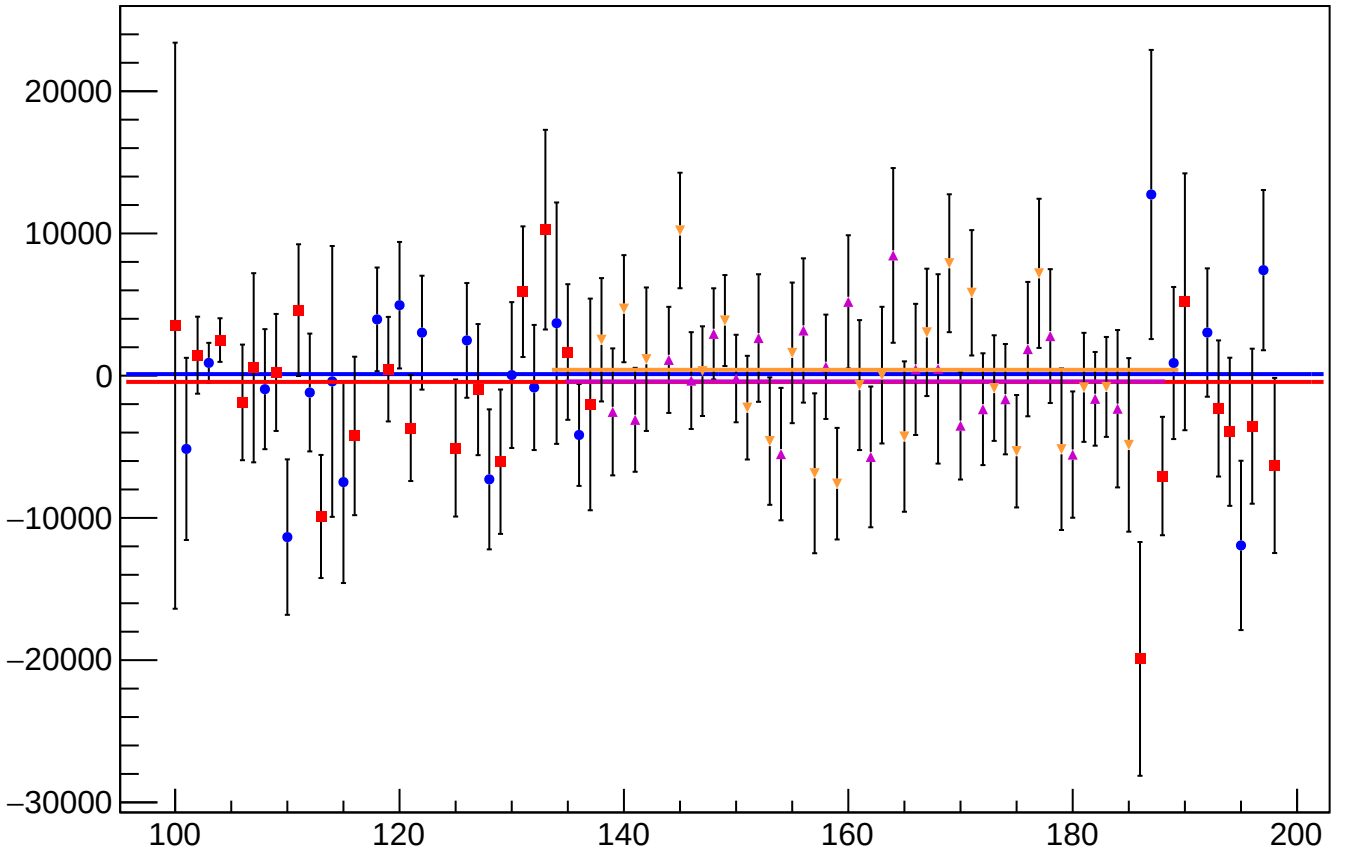
Left: 3646.134+/-0.434 χ^2/NDF: 2355959.1/46

Right: 1713.963+/-0.322 χ^2/NDF: 16791400.2/45

In: 2987.582+/-0.422 χ^2/NDF:7072294.8/43

Out: 2047.501+/-0.327 χ^2/NDF:21782988.1/48

All: 2399.807+/-0.258 χ^2/NDF: 31958963.6/9



Right In: 110.779+/-866.101 χ^2/NDF: 21.5/20

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: -438.188+/-825.087 χ^2/NDF: 28.6/24

Left In: -403.543+/-862.437 χ^2/NDF:12.3/22

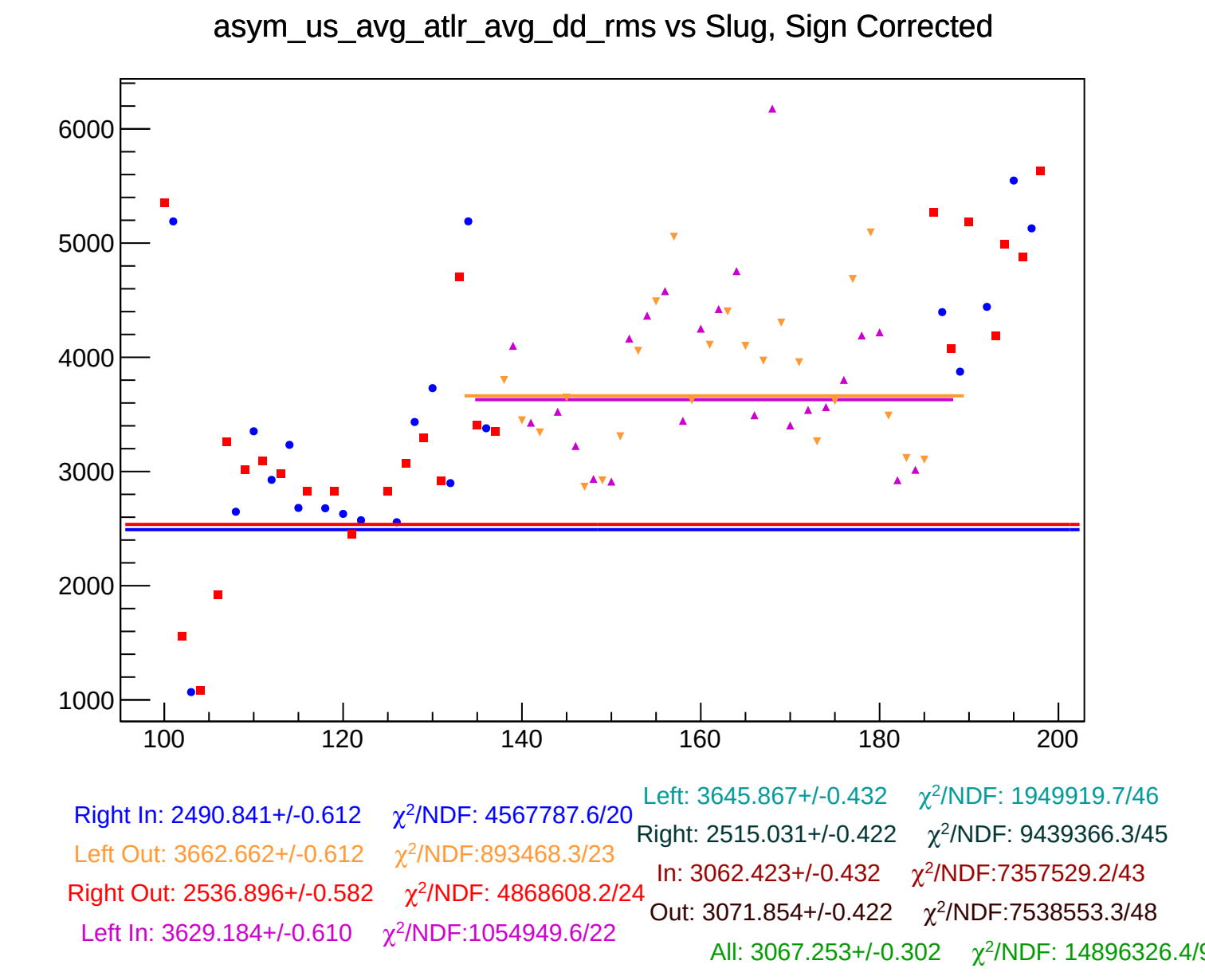
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

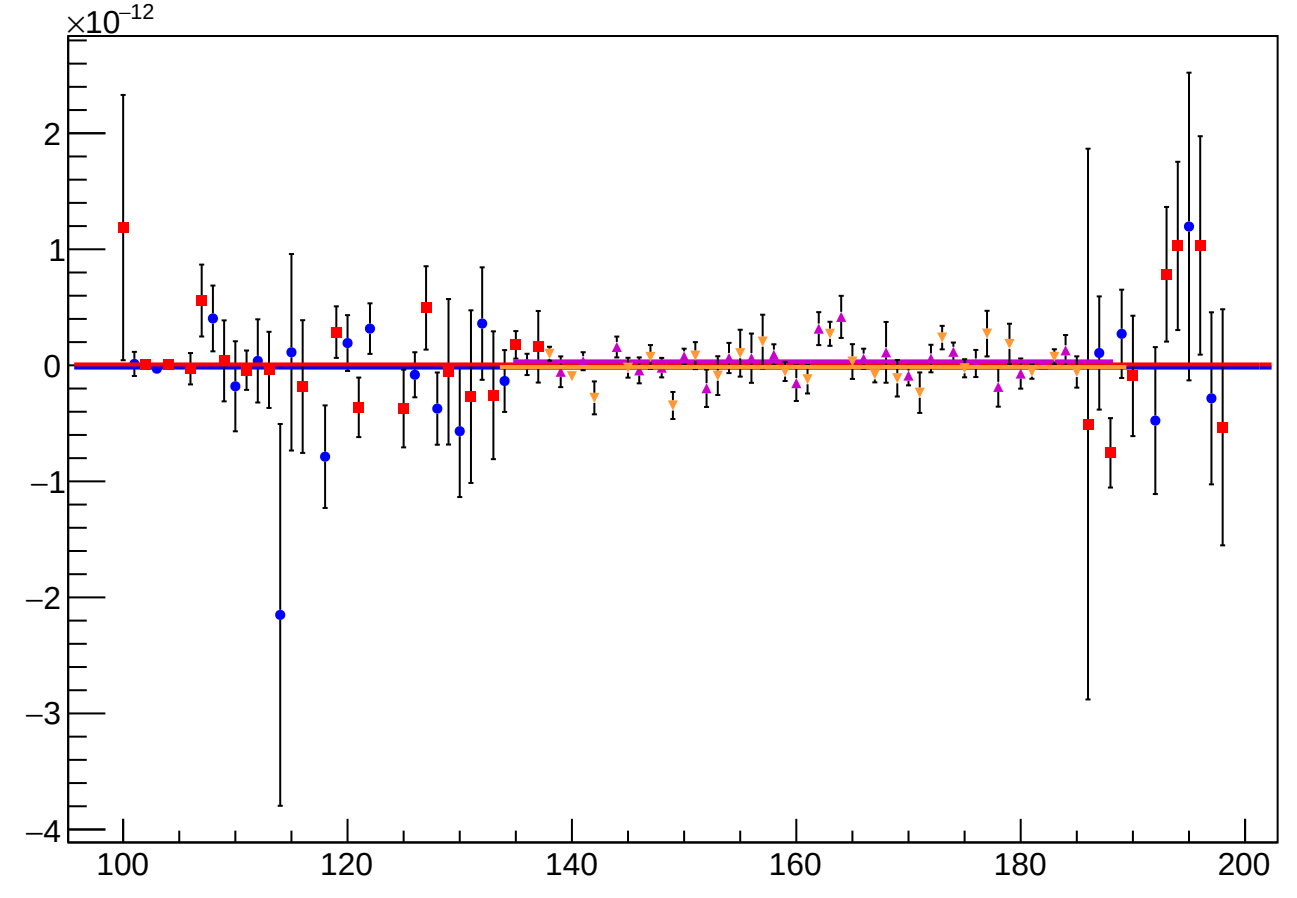
Right: -177.010+/-597.398 χ^2/NDF: 50.4/45

In: -147.472+/-611.127 χ^2/NDF:34.0/43

Out: -32.612+/-597.145 χ^2/NDF:56.3/48

All: -88.713+/-427.103 χ^2/NDF: 90.3/92


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: 2490.841+/-0.612 χ²/NDF: 4567787.6/20
Left Out: 3662.662+/-0.612 χ²/NDF:893468.3/23
Right Out: 2536.896+/-0.582 χ²/NDF: 4868608.2/24
Left In: 3629.184+/-0.610 χ²/NDF:1054949.6/22
Left: 3645.867+/-0.432 χ²/NDF: 1949919.7/46
Right: 2515.031+/-0.422 χ²/NDF: 9439366.3/45
In: 3062.423+/-0.432 χ²/NDF:7357529.2/43
Out: 3071.854+/-0.422 χ²/NDF:7538553.3/48
All: 3067.253+/-0.302 χ²/NDF: 14896326.4/9



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:45.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/24

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

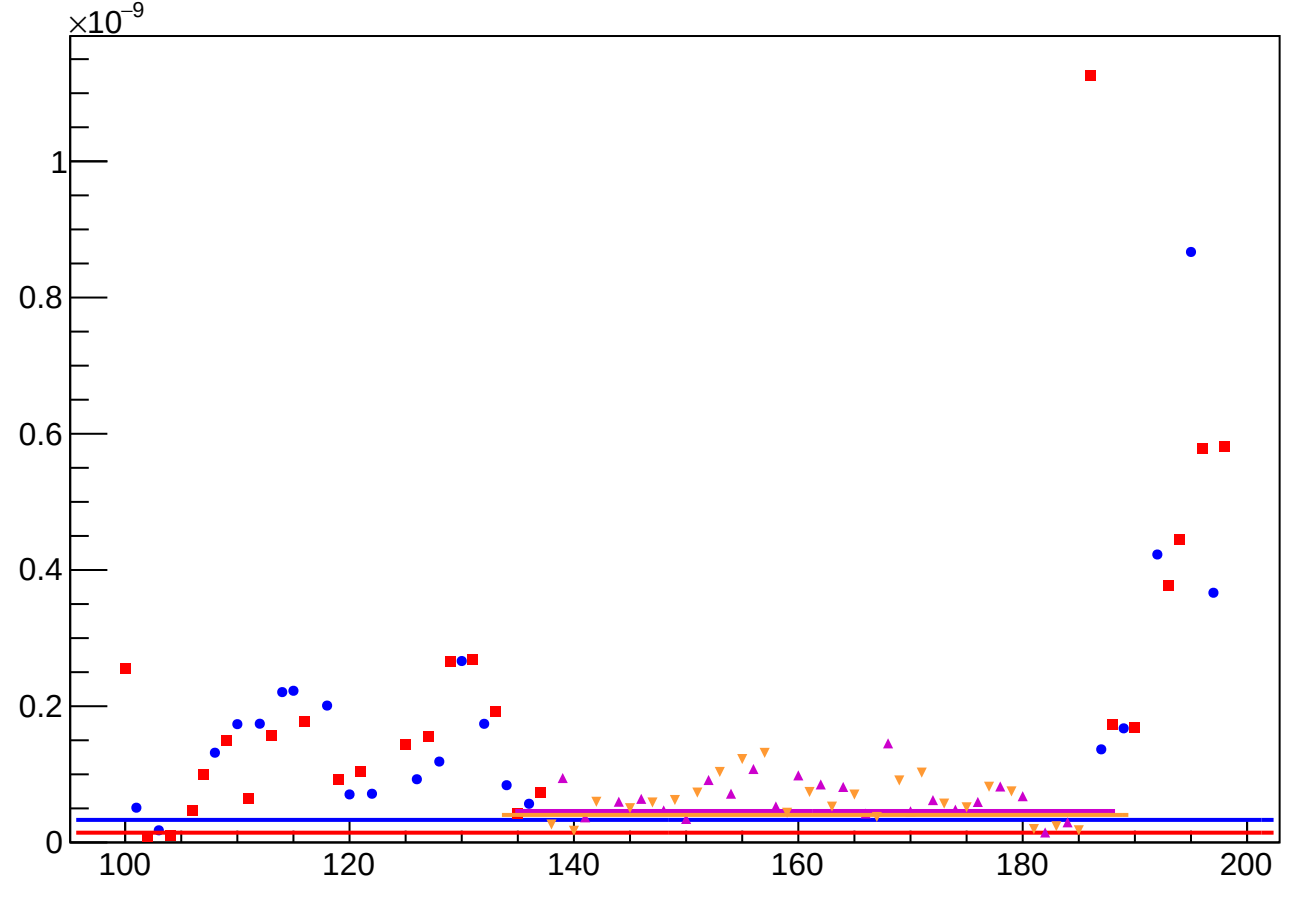
Left: 0.000+/-0.000 χ^2/NDF: 71.2/46

Right: 0.000+/-0.000 χ^2/NDF: 42.5/45

In: 0.000+/-0.000 χ^2/NDF:41.4/43

Out: -0.000+/-0.000 χ^2/NDF:71.9/48

All: 0.000+/-0.000 χ^2/NDF: 113.9/92



Right In: 0.000+/-0.000 χ^2/NDF: 5306290.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7673489.9/24

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

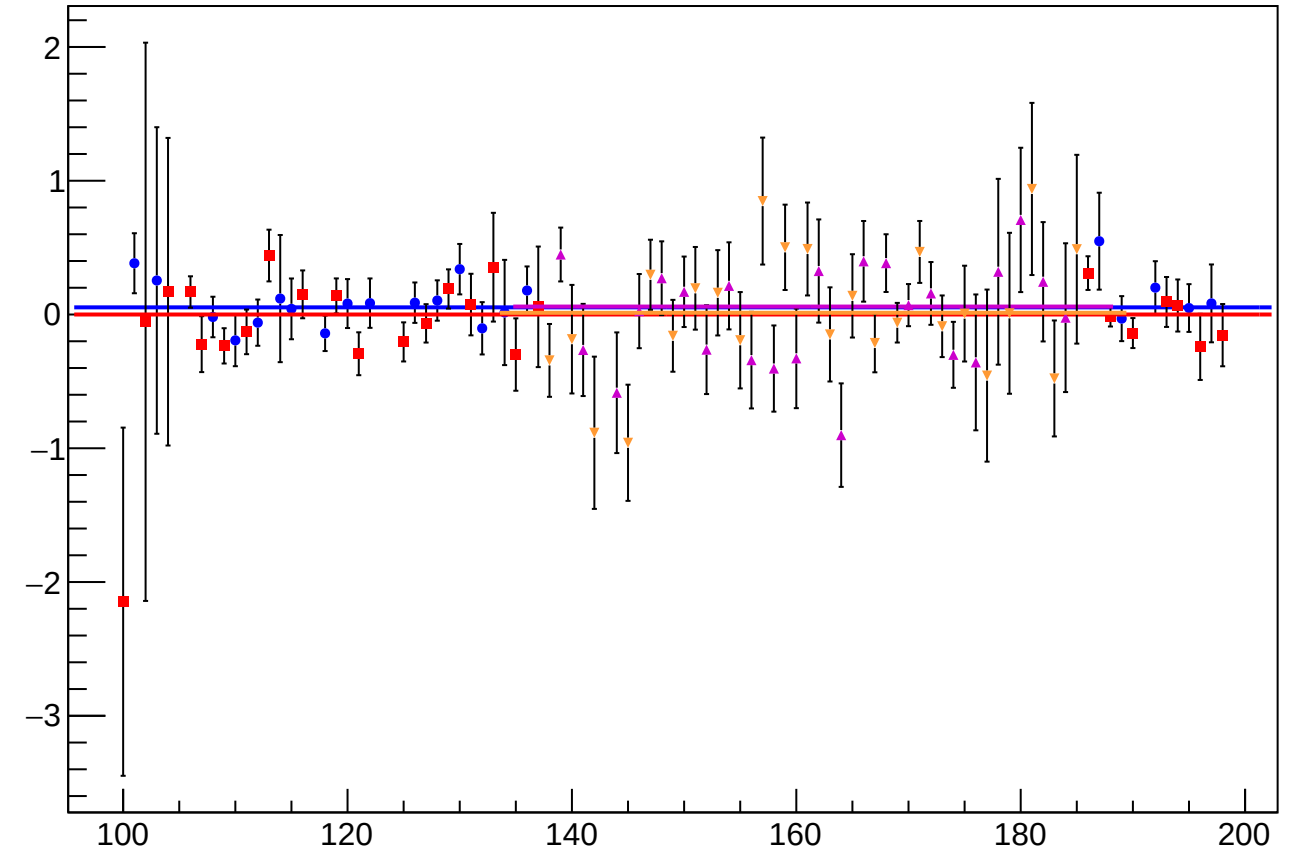
Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

Right: 0.000+/-0.000 χ^2/NDF: 13796156.3/45

In: 0.000+/-0.000 χ^2/NDF:8586408.2/43

Out: 0.000+/-0.000 χ^2/NDF:13505199.3/48

All: 0.000+/-0.000 χ^2/NDF: 23532906.7/92



Right In: 0.053+/-0.042 χ^2/NDF: 13.0/20

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.000+/-0.032 χ^2/NDF: 35.4/24

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

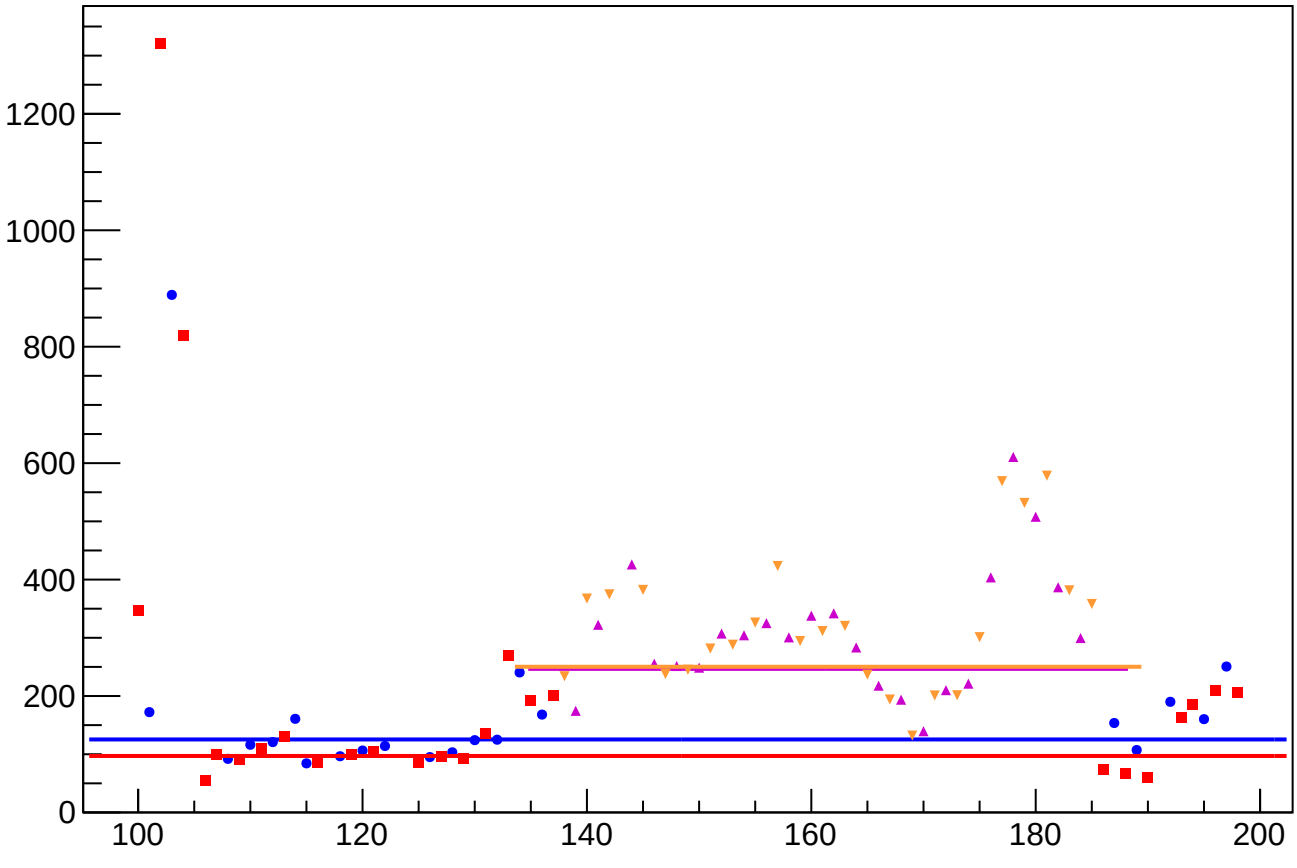
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: 0.020+/-0.026 χ^2/NDF: 49.4/45

In: 0.055+/-0.035 χ^2/NDF:40.9/43

Out: 0.003+/-0.029 χ^2/NDF:64.8/48

All: 0.024+/-0.022 χ^2/NDF: 107.1/92



Right In: 125.403+/-0.030 χ^2/NDF: 2381785.6/20

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 97.026+/-0.023 χ^2/NDF: 4818252.6/24

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

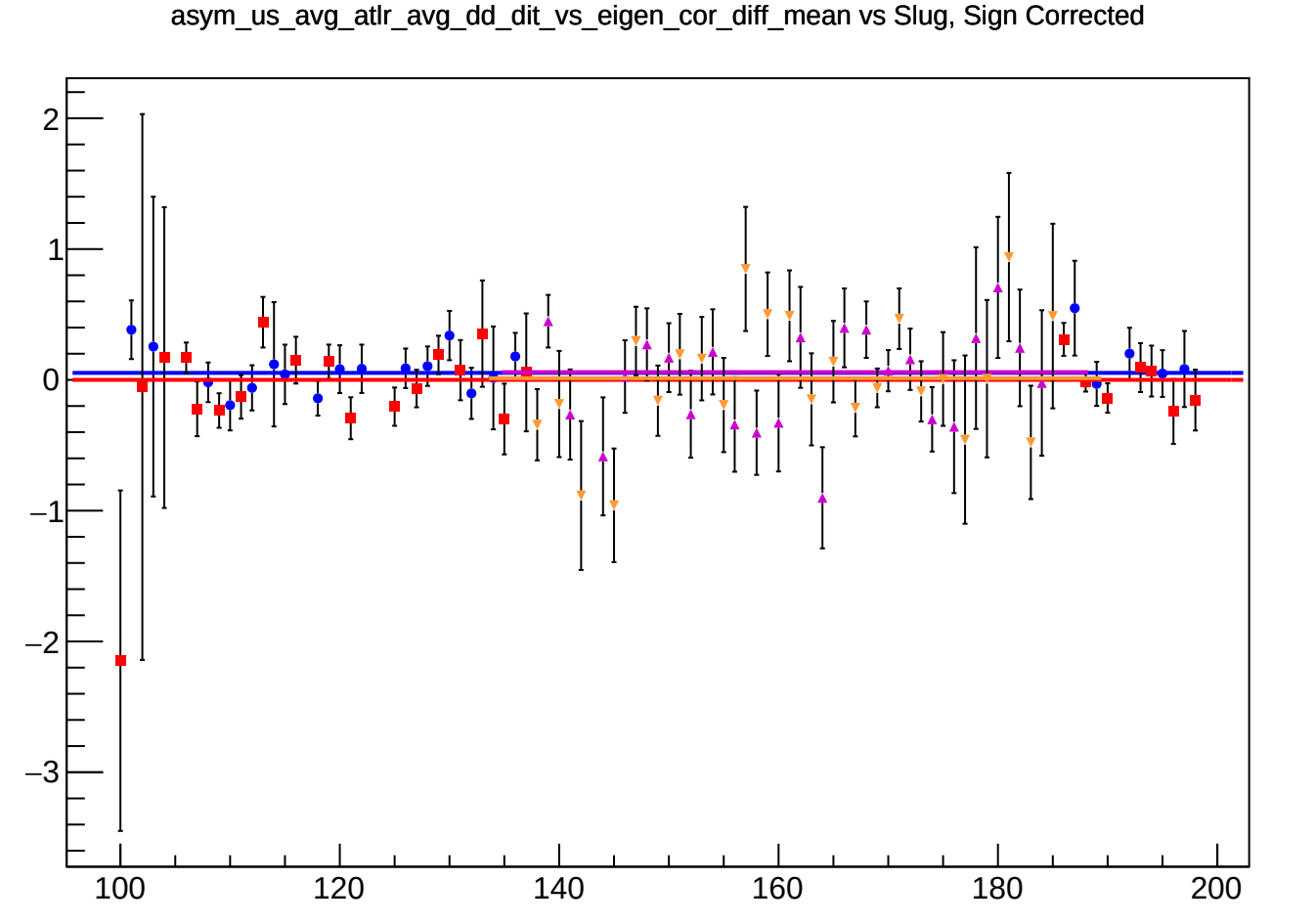
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 107.504+/-0.018 χ^2/NDF: 7764427.8/45

In: 164.056+/-0.025 χ^2/NDF:11361343.3/43

Out: 129.160+/-0.020 χ^2/NDF:18517954.5/48

All: 143.274+/-0.016 χ^2/NDF: 31062266.6/92



Right In: 0.053+/-0.042 χ^2/NDF: 13.0/20

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.000+/-0.032 χ^2/NDF: 35.4/24

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

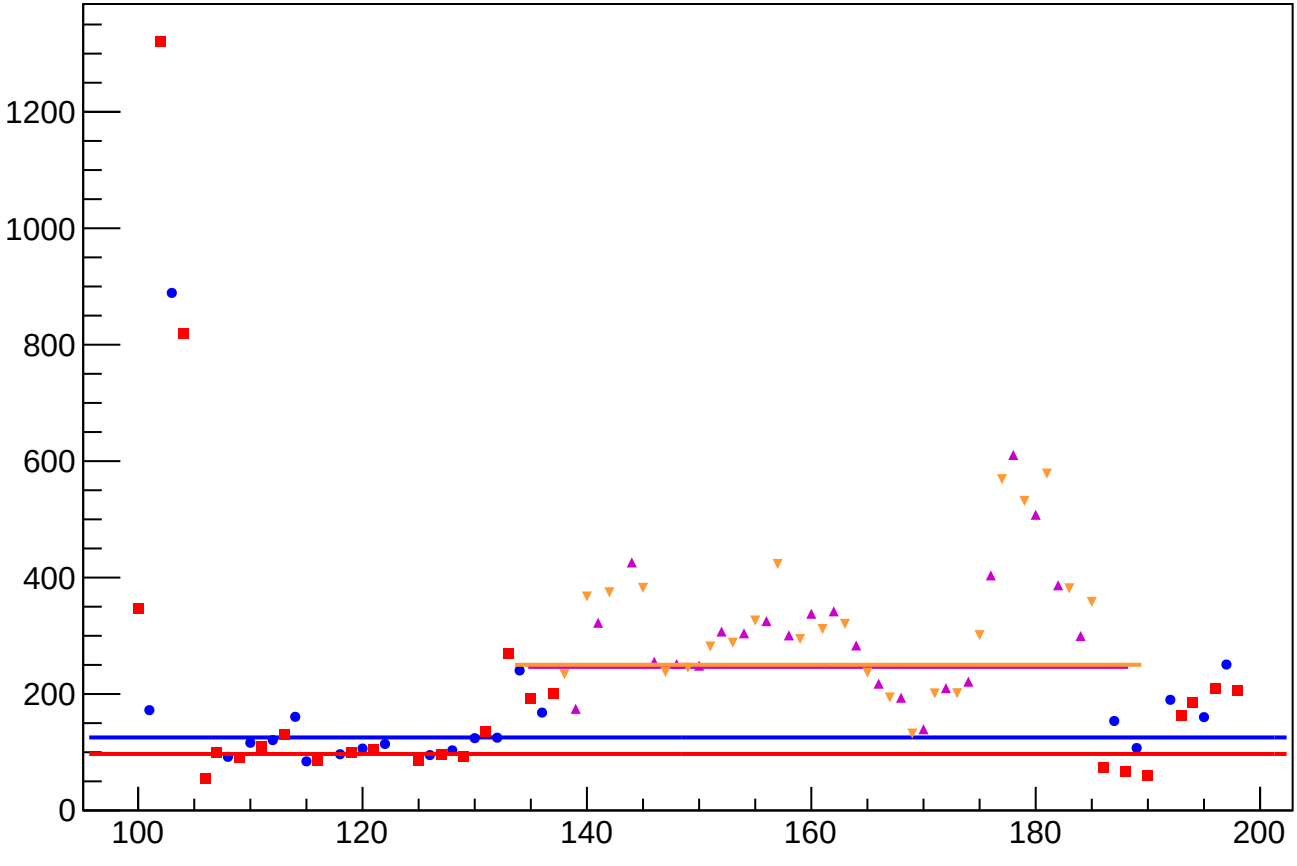
Right: 0.020+/-0.026 χ^2/NDF: 49.4/45

In: 0.055+/-0.035 χ^2/NDF:40.9/43

Out: 0.003+/-0.029 χ^2/NDF:64.8/48

All: 0.024+/-0.022 χ^2/NDF: 107.1/92

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 125.403+/-0.030 χ^2/NDF: 2381785.6/20

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 97.026+/-0.023 χ^2/NDF: 4818252.6/24

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

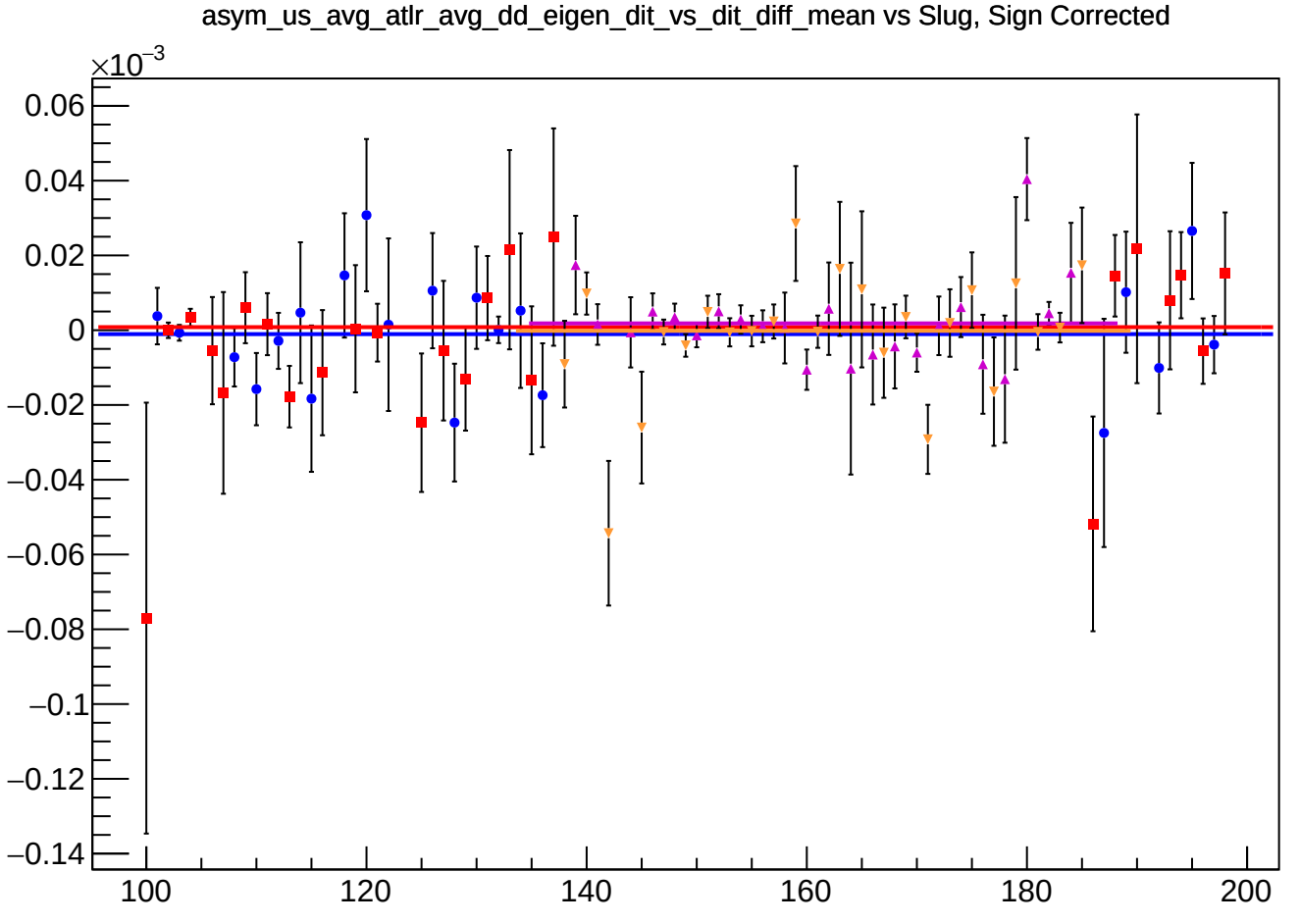
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 107.504+/-0.018 χ^2/NDF: 7764427.8/45

In: 164.056+/-0.025 χ^2/NDF:11361343.3/43

Out: 129.160+/-0.020 χ^2/NDF:18517954.5/48

All: 143.274+/-0.016 χ^2/NDF: 31062266.6/92



Right In: -0.000+/-0.000 χ^2/NDF: 16.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/24

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

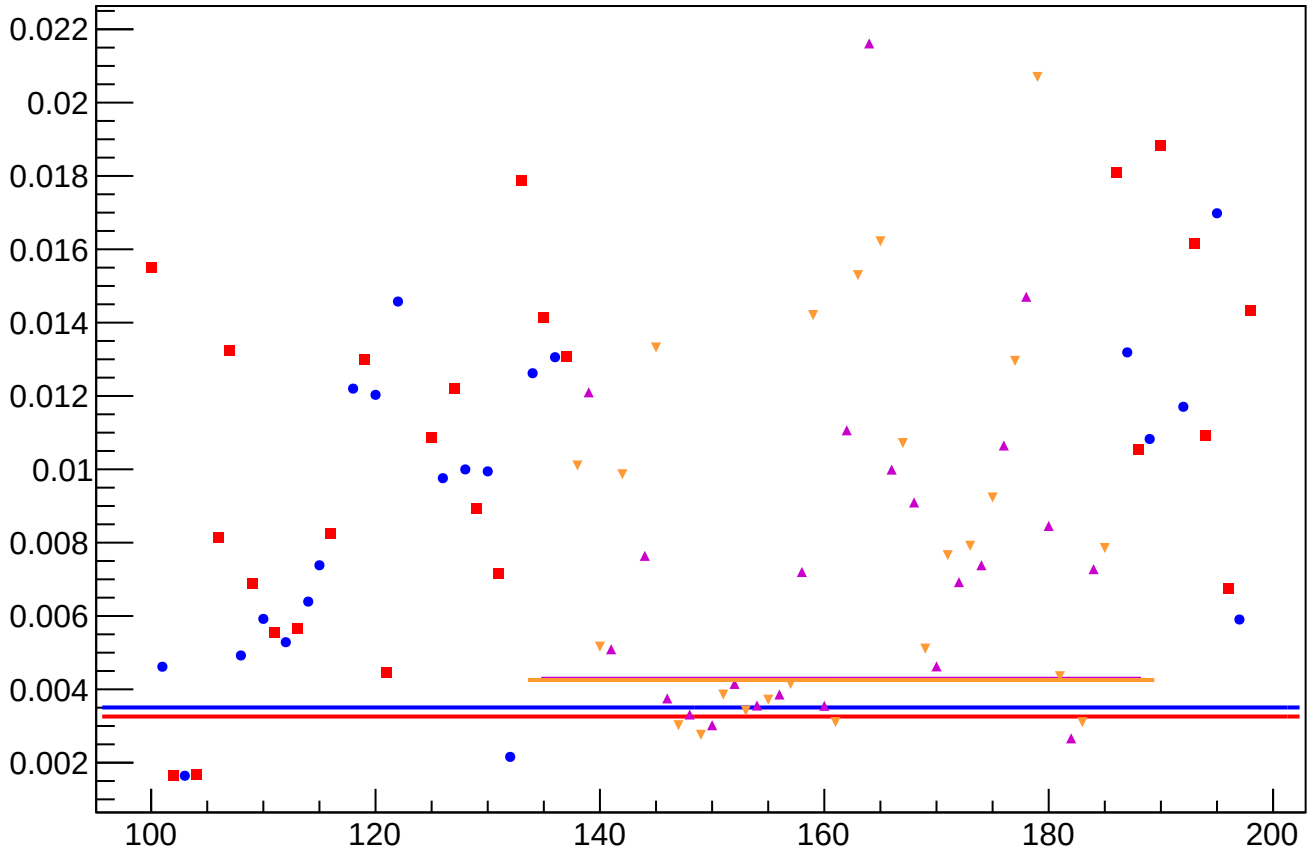
Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

Right: -0.000+/-0.000 χ^2/NDF: 40.9/45

In: 0.000+/-0.000 χ^2/NDF:47.2/43

Out: 0.000+/-0.000 χ^2/NDF:60.8/48

All: 0.000+/-0.000 χ^2/NDF: 108.1/92



Right In: 0.004+/-0.000 χ^2/NDF: 8922887.8/20

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

Right Out: 0.003+/-0.000 χ^2/NDF: 11904706.8/24

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

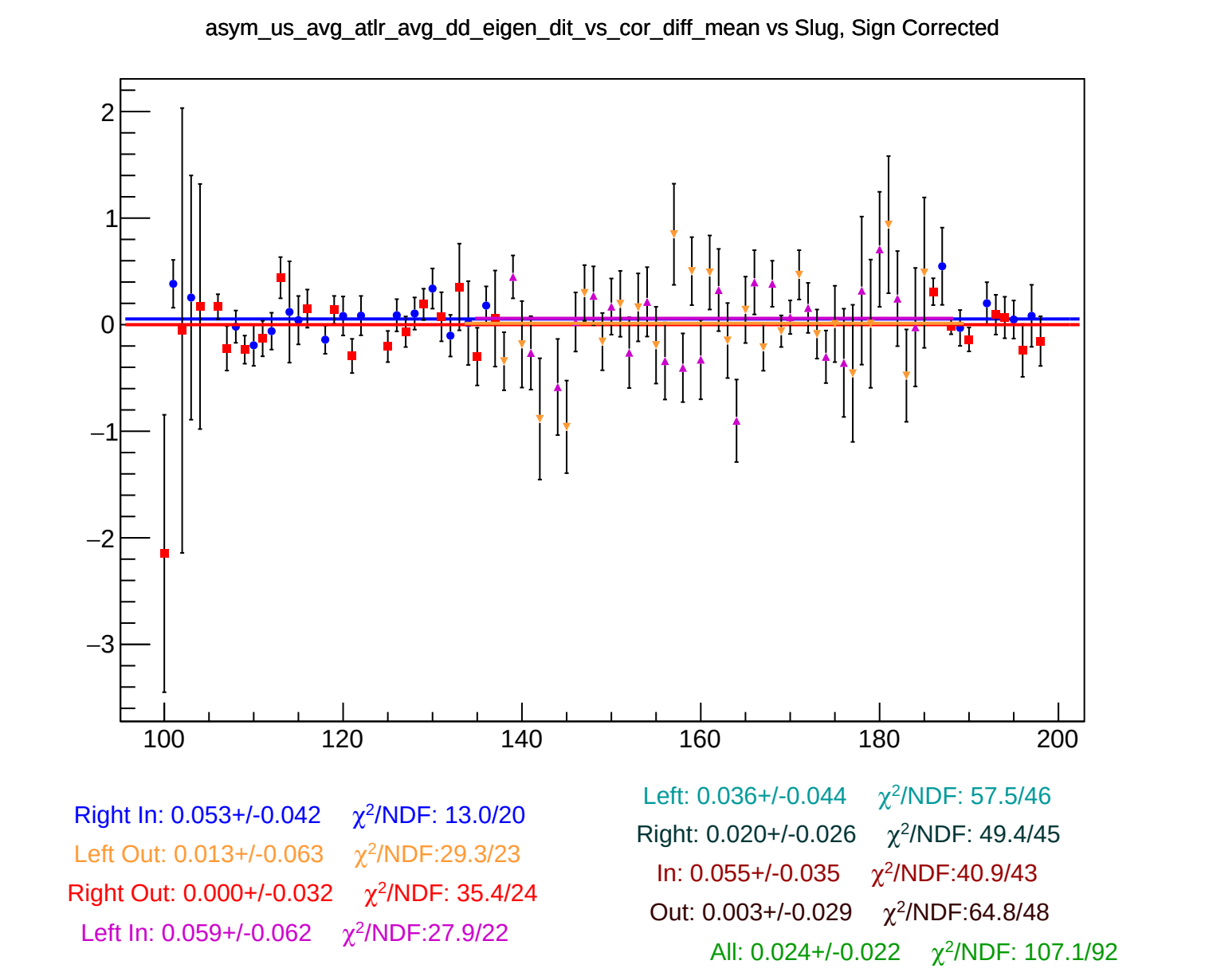
Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

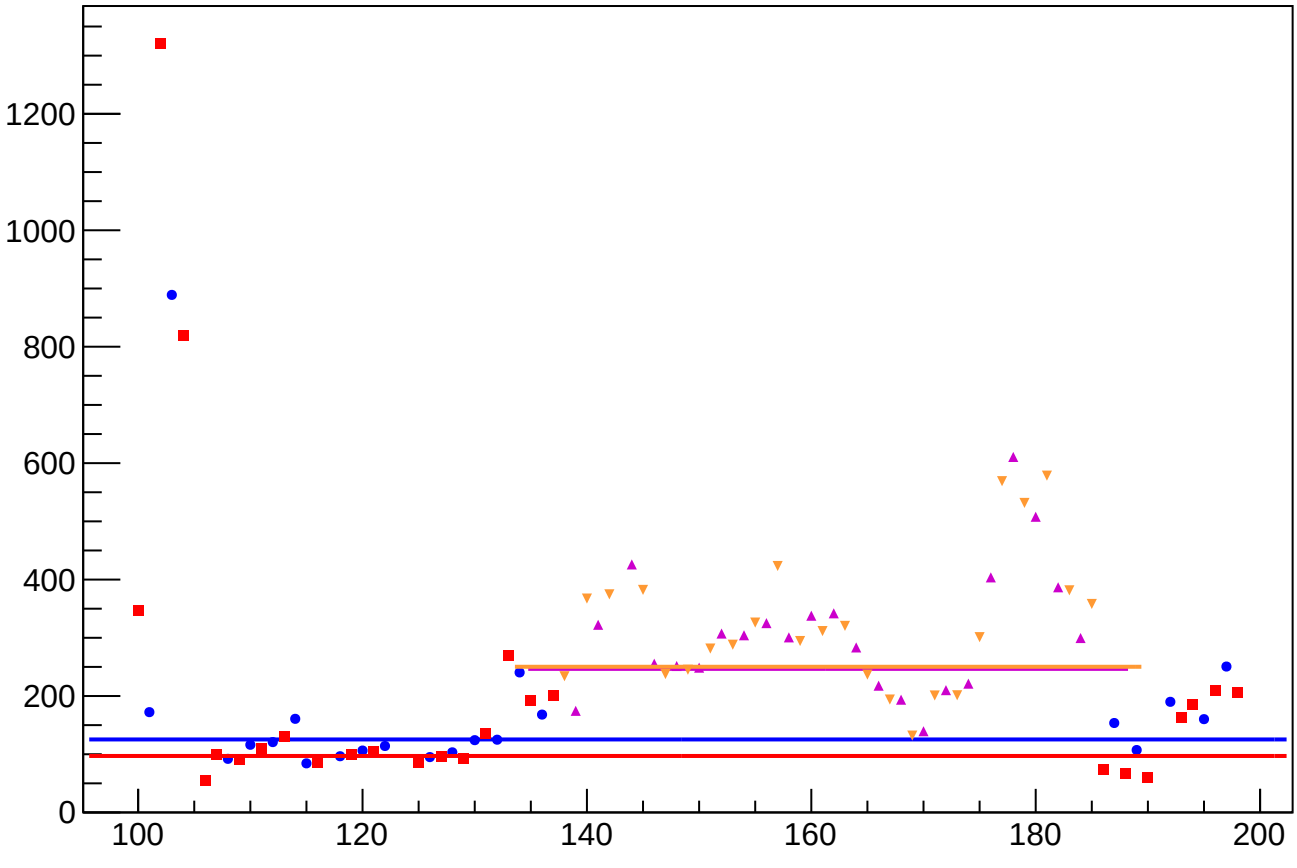
Right: 0.003+/-0.000 χ^2/NDF: 20857204.4/45

In: 0.004+/-0.000 χ^2/NDF:15851032.5/43

Out: 0.004+/-0.000 χ^2/NDF:21020352.9/48

All: 0.004+/-0.000 χ^2/NDF: 36904744.8/92


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.053+/-0.042 χ²/NDF: 13.0/20
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.000+/-0.032 χ²/NDF: 35.4/24
Left In: 0.059+/-0.062 χ²/NDF:27.9/22
Left: 0.036+/-0.044 χ²/NDF: 57.5/46
Right: 0.020+/-0.026 χ²/NDF: 49.4/45
In: 0.055+/-0.035 χ²/NDF:40.9/43
Out: 0.003+/-0.029 χ²/NDF:64.8/48
All: 0.024+/-0.022 χ²/NDF: 107.1/92



Right In: 125.402+/-0.030 χ^2/NDF: 2381798.1/20

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 97.022+/-0.023 χ^2/NDF: 4818697.7/24

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

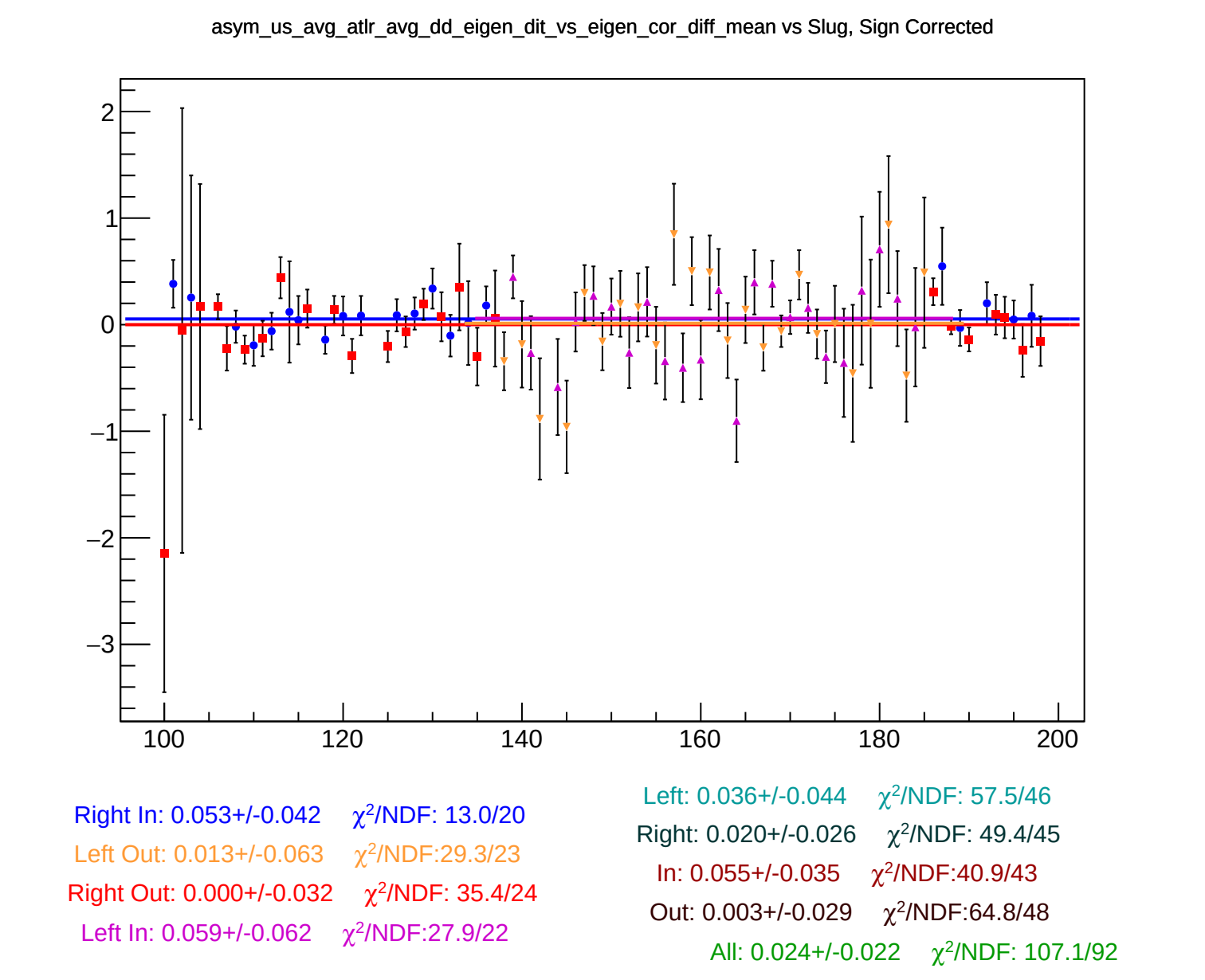
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

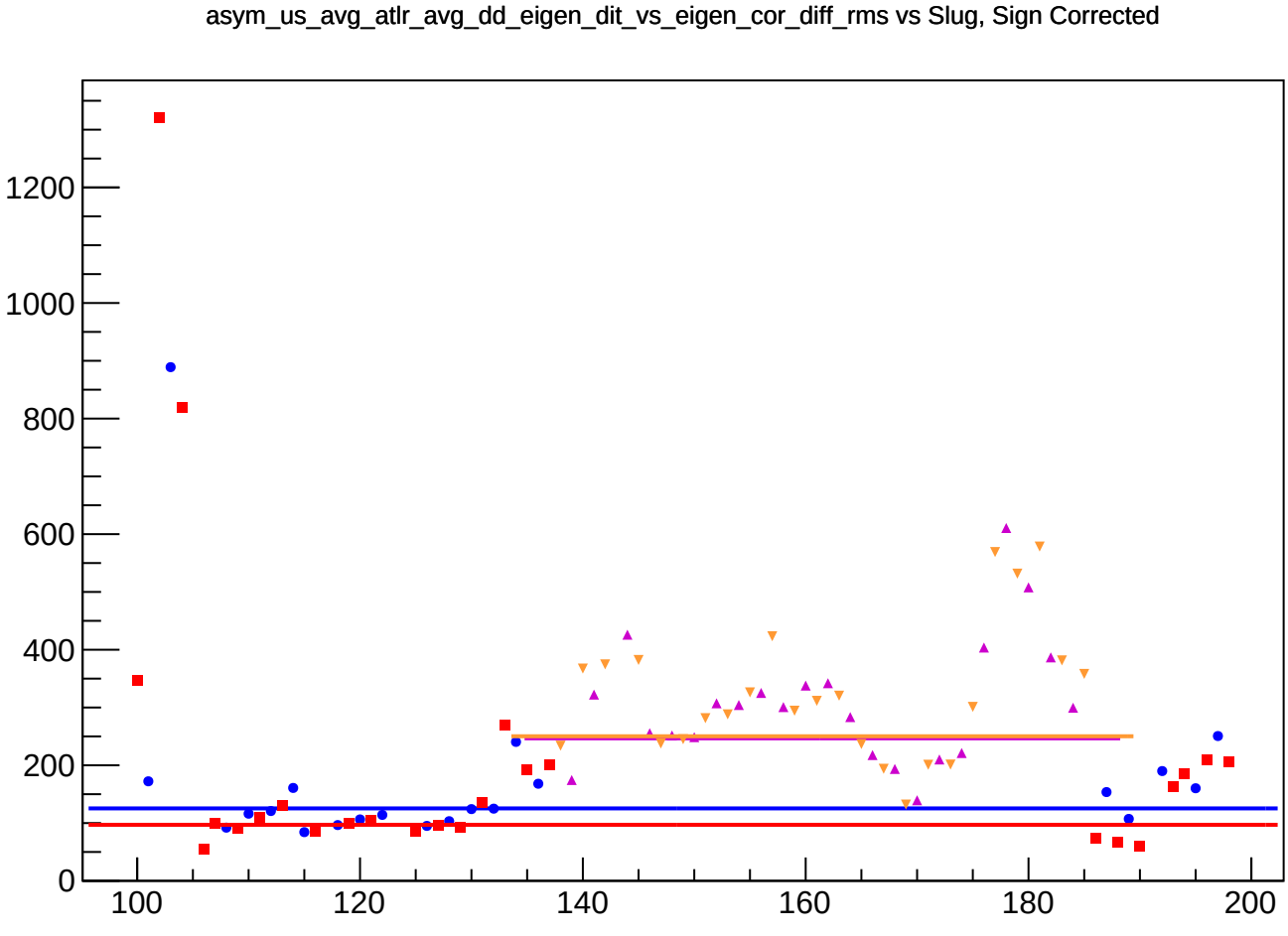
Right: 107.500+/-0.018 χ^2/NDF: 7765057.7/45

In: 164.055+/-0.025 χ^2/NDF:11361590.8/43

Out: 129.155+/-0.020 χ^2/NDF:18519249.5/48

All: 143.270+/-0.016 χ^2/NDF: 31064162.0/92


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.053+/-0.042 χ²/NDF: 13.0/20
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.000+/-0.032 χ²/NDF: 35.4/24
Left In: 0.059+/-0.062 χ²/NDF:27.9/22
Left: 0.036+/-0.044 χ²/NDF: 57.5/46
Right: 0.020+/-0.026 χ²/NDF: 49.4/45
In: 0.055+/-0.035 χ²/NDF:40.9/43
Out: 0.003+/-0.029 χ²/NDF:64.8/48
All: 0.024+/-0.022 χ²/NDF: 107.1/92



Right In: 125.402+/-0.030 χ^2/NDF: 2381798.1/20

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 97.022+/-0.023 χ^2/NDF: 4818697.7/24

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

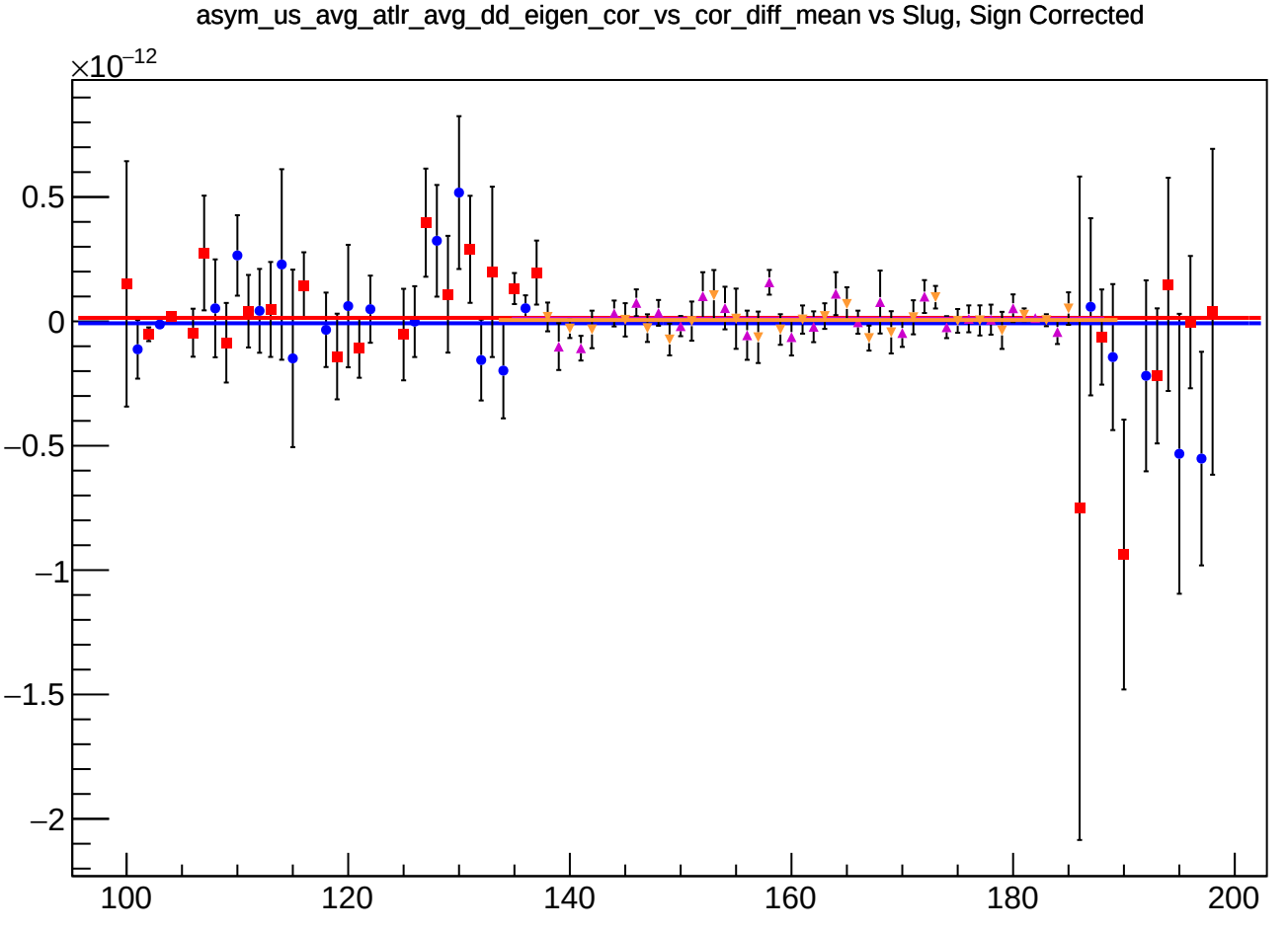
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 107.500+/-0.018 χ^2/NDF: 7765057.7/45

In: 164.055+/-0.025 χ^2/NDF:11361590.8/43

Out: 129.155+/-0.020 χ^2/NDF:18519249.5/48

All: 143.270+/-0.016 χ^2/NDF: 31064162.0/92



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.3/24

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

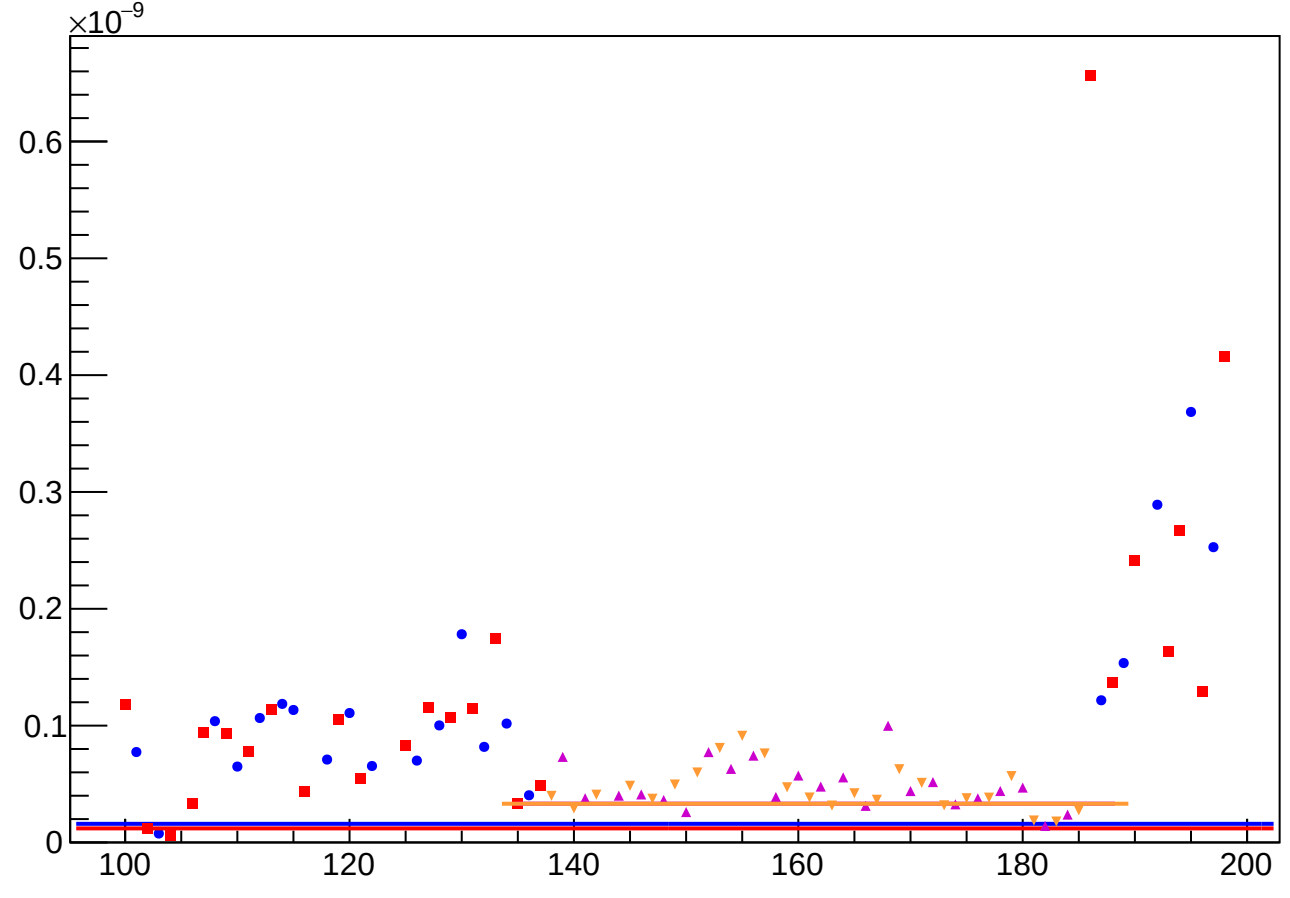
Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

Right: 0.000+/-0.000 χ^2/NDF: 44.3/45

In: 0.000+/-0.000 χ^2/NDF:45.2/43

Out: 0.000+/-0.000 χ^2/NDF:40.5/48

All: 0.000+/-0.000 χ^2/NDF: 86.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 8928351.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10042341.4/24

Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

Left: 0.000+/-0.000 χ^2/NDF: 9043794.9/46

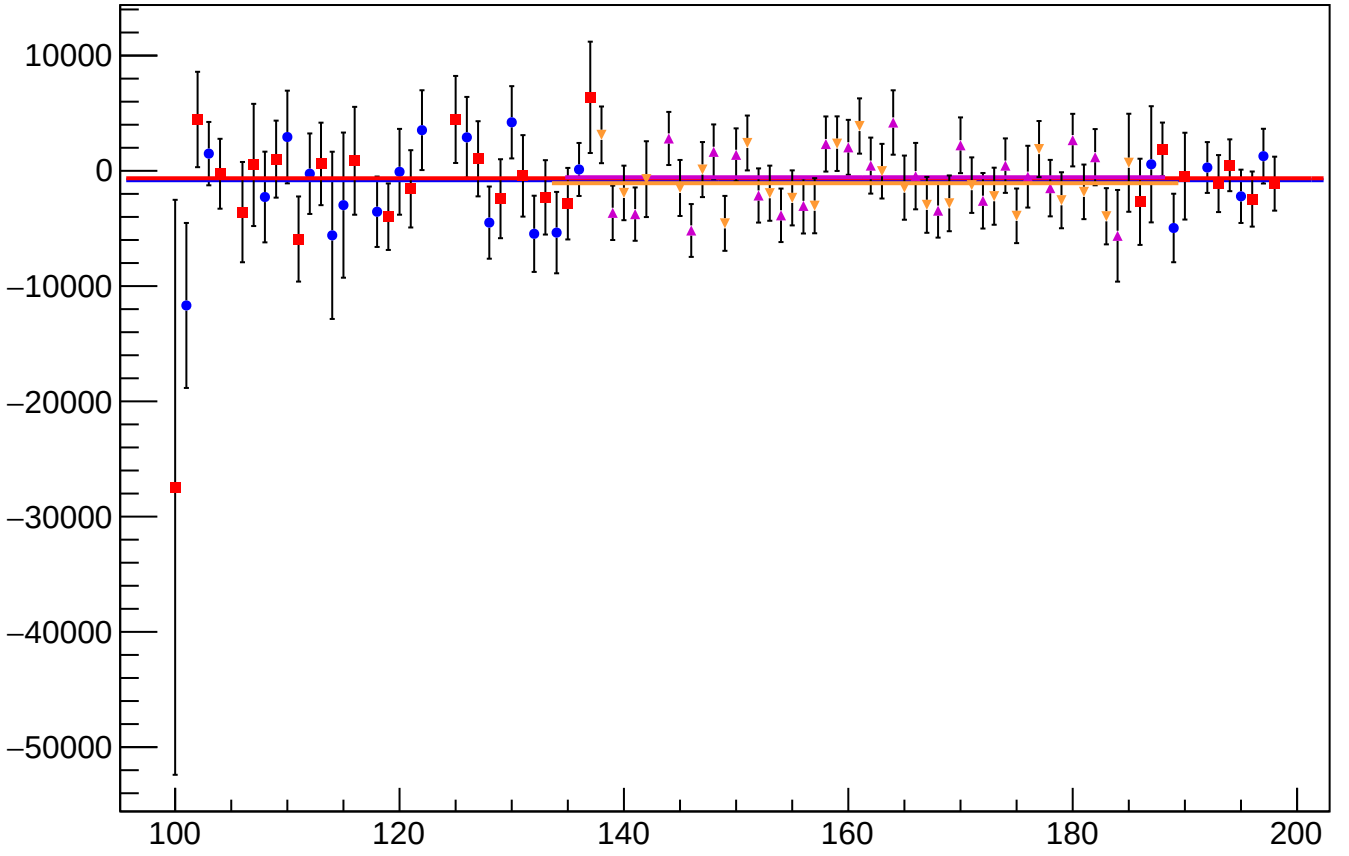
Right: 0.000+/-0.000 χ^2/NDF: 19092078.5/45

In: 0.000+/-0.000 χ^2/NDF:16203268.3/43

Out: 0.000+/-0.000 χ^2/NDF:18389525.5/48

All: 0.000+/-0.000 χ^2/NDF: 34883093.5/92

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected



Right In: -814.395+/-700.847 χ^2/NDF: 19.3/20

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: -645.944+/-649.530 χ^2/NDF: 14.7/24

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

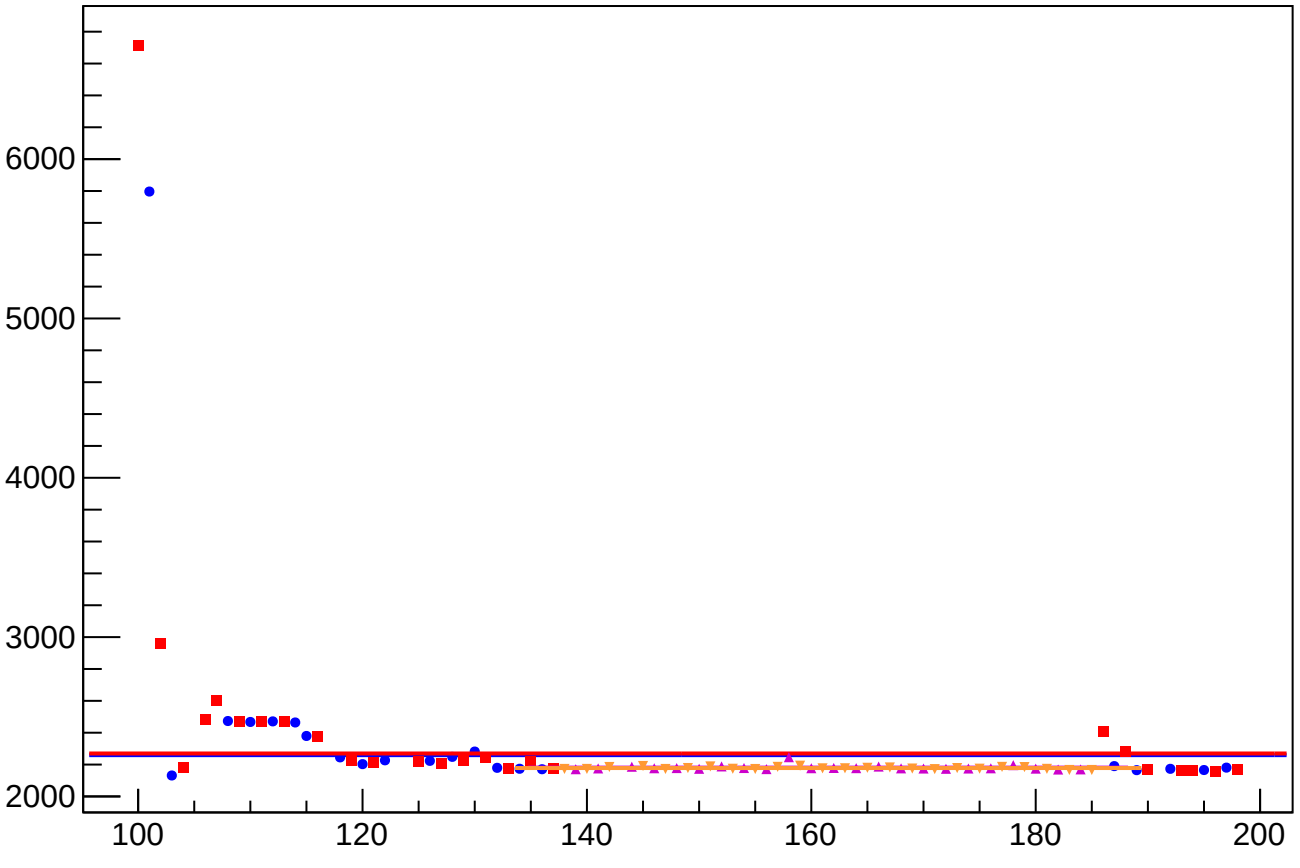
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -723.777+/-476.397 χ^2/NDF: 34.0/45

In: -645.965+/-411.954 χ^2/NDF:48.1/43

Out: -911.811+/-398.942 χ^2/NDF:36.5/48

All: -783.153+/-286.585 χ^2/NDF: 84.8/92



Right In: 2259.149+/-0.496 χ^2/NDF: 530917.9/20

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2269.577+/-0.459 χ^2/NDF: 179584.1/24

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

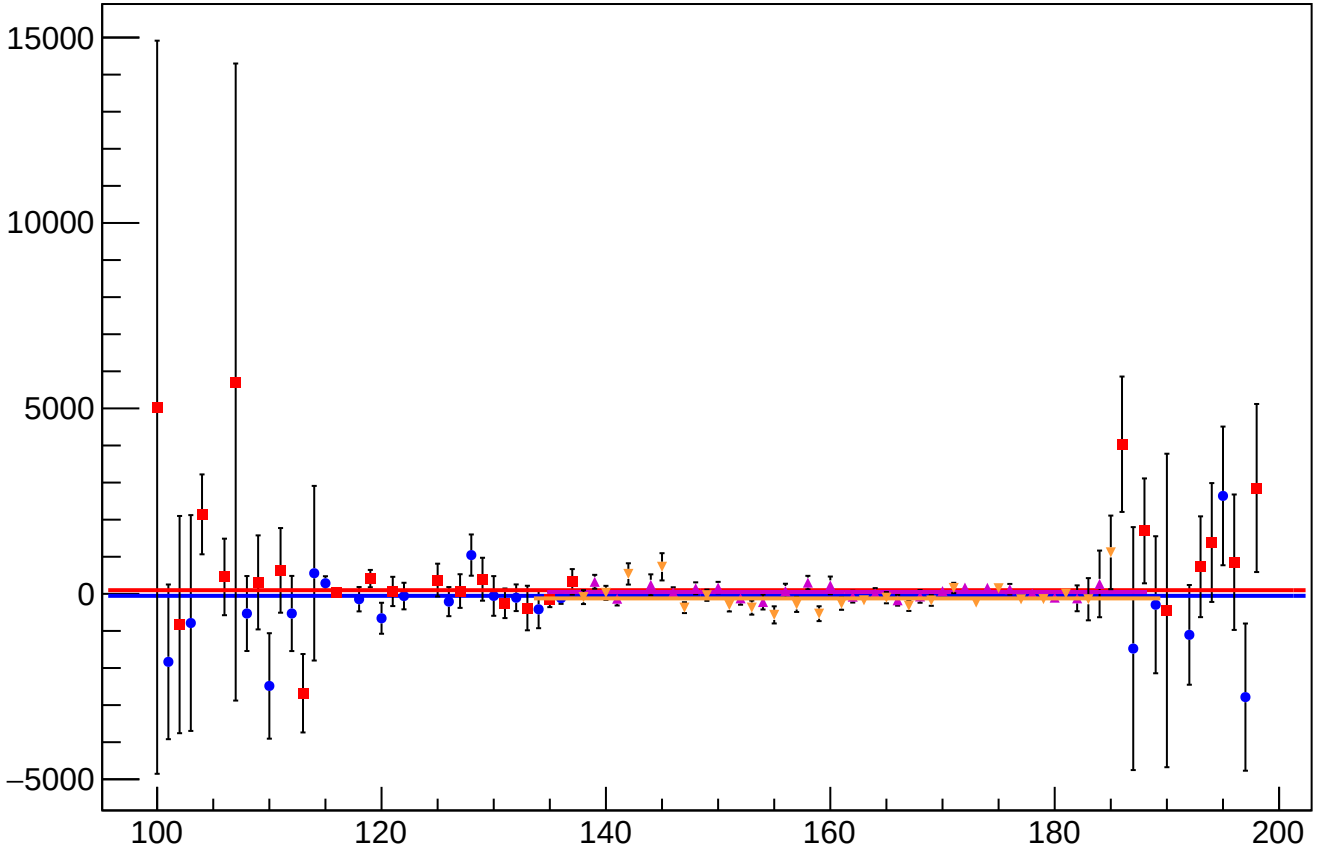
Right: 2264.759+/-0.337 χ^2/NDF: 710740.2/45

In: 2207.948+/-0.291 χ^2/NDF:549093.7/43

Out: 2212.699+/-0.282 χ^2/NDF:204600.0/48

All: 2210.400+/-0.203 χ^2/NDF: 753831.0/92

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -53.779+/-90.363 χ^2/NDF: 19.2/20

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: 98.338+/-81.753 χ^2/NDF: 26.2/24

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

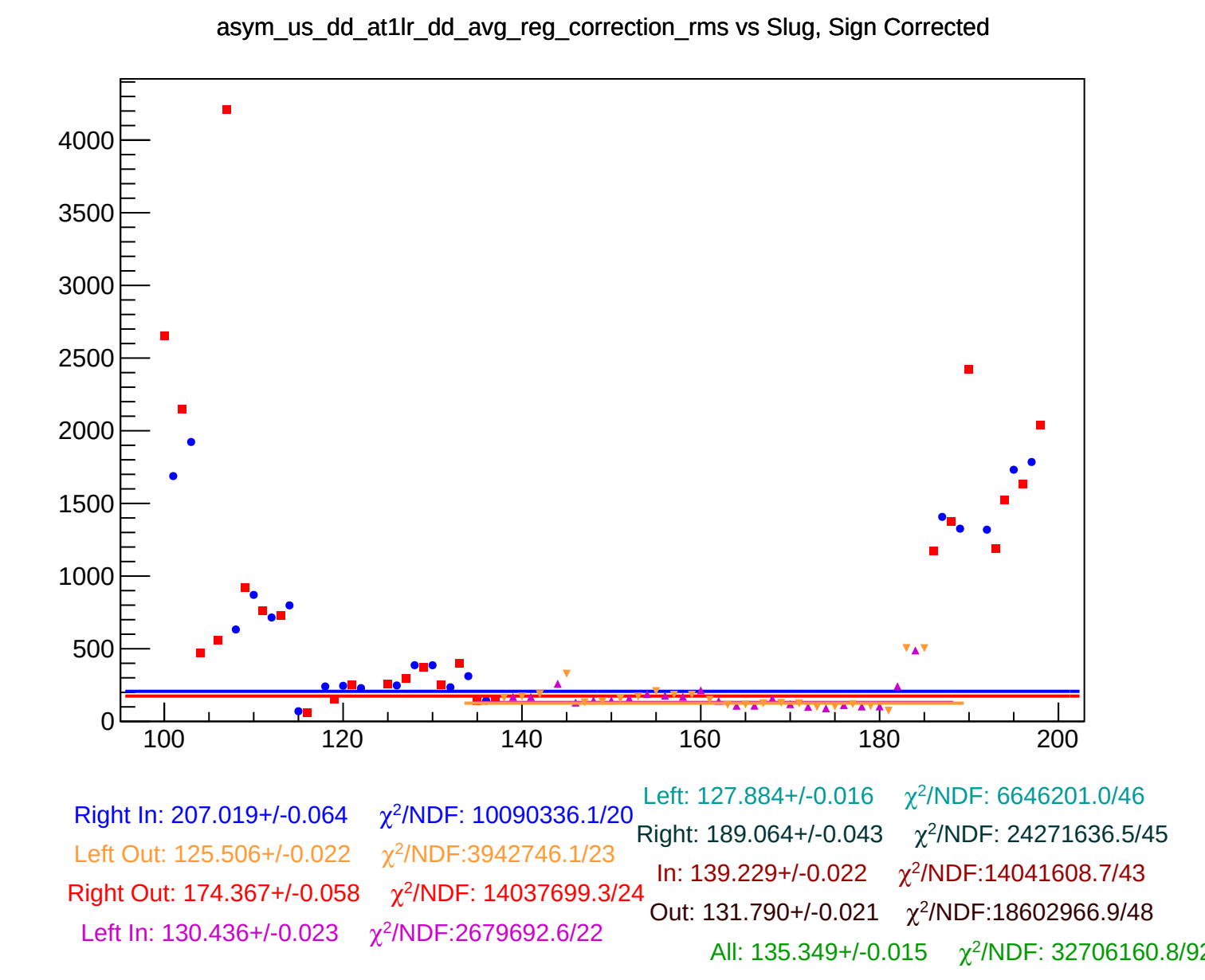
Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

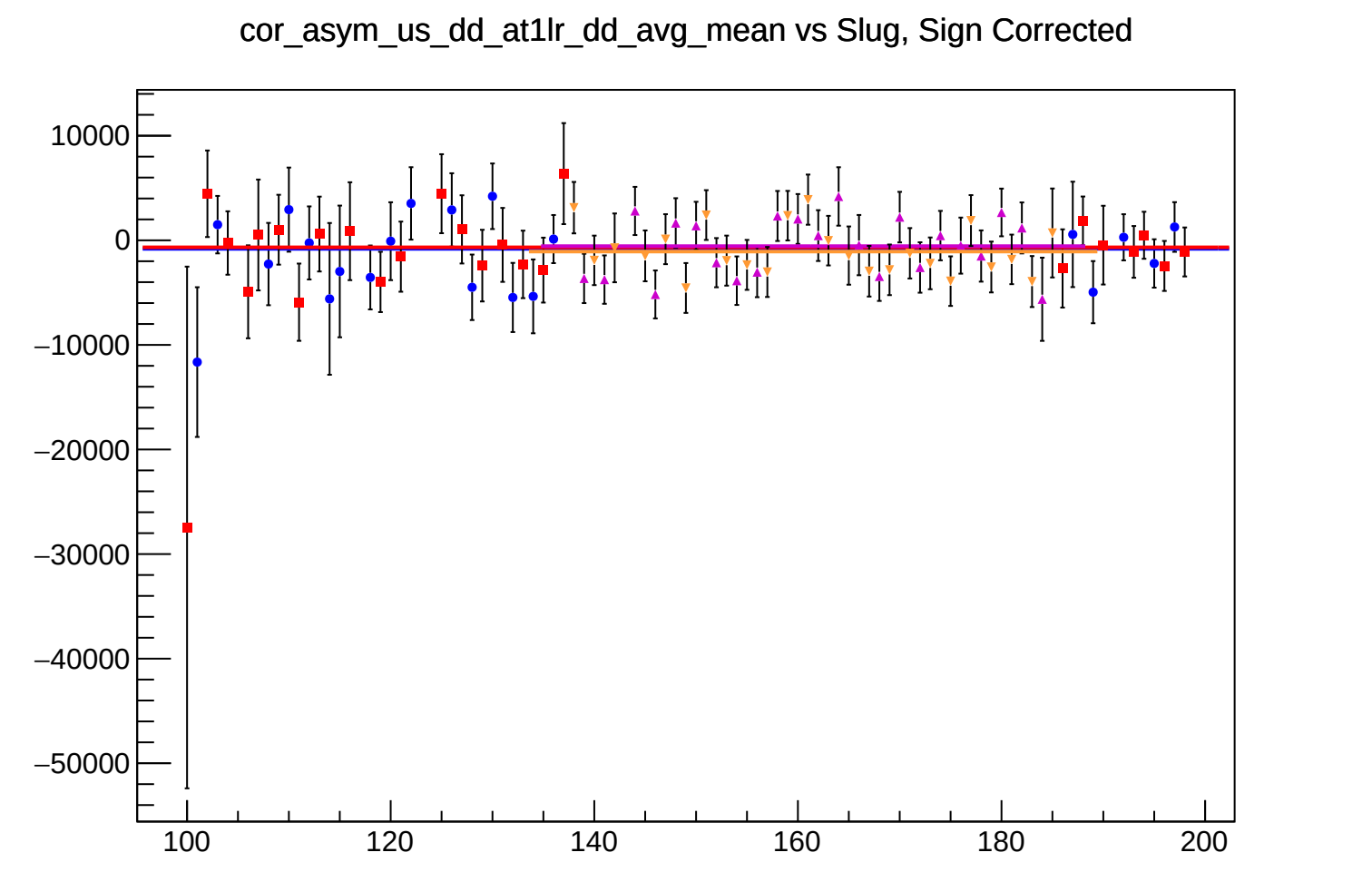
Right: 29.870+/-60.624 χ^2/NDF: 46.9/45

In: 38.364+/-30.620 χ^2/NDF:38.6/43

Out: -94.540+/-29.319 χ^2/NDF:76.4/48

All: -30.970+/-21.176 χ^2/NDF: 124.8/92


asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 207.019+/-0.064 χ²/NDF: 10090336.1/20
Left Out: 125.506+/-0.022 χ²/NDF:3942746.1/23
Right Out: 174.367+/-0.058 χ²/NDF: 14037699.3/24
Left In: 130.436+/-0.023 χ²/NDF:2679692.6/22
Left: 127.884+/-0.016 χ²/NDF: 6646201.0/46
Right: 189.064+/-0.043 χ²/NDF: 24271636.5/45
In: 139.229+/-0.022 χ²/NDF:14041608.7/43
Out: 131.790+/-0.021 χ²/NDF:18602966.9/48
All: 135.349+/-0.015 χ²/NDF: 32706160.8/92



Right In: -813.791+/-700.847 χ^2/NDF: 19.3/20

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -672.127+/-649.831 χ^2/NDF: 15.2/24

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

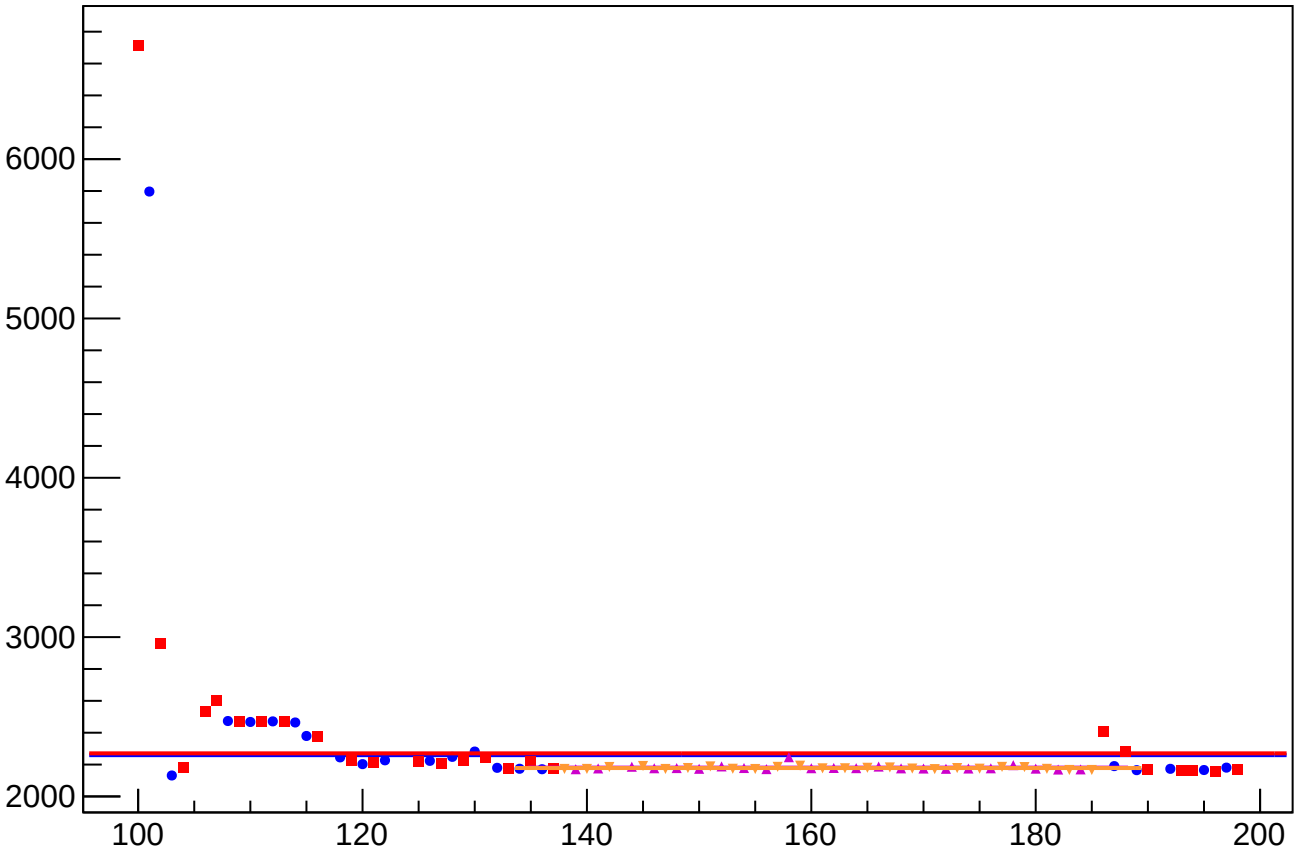
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -737.616+/-476.516 χ^2/NDF: 34.5/45

In: -645.774+/-411.954 χ^2/NDF:48.1/43

Out: -921.733+/-399.012 χ^2/NDF:37.0/48

All: -788.156+/-286.610 χ^2/NDF: 85.3/92



Right In: 2259.149+/-0.496 χ^2/NDF: 530918.2/20

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2270.463+/-0.459 χ^2/NDF: 181840.2/24

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

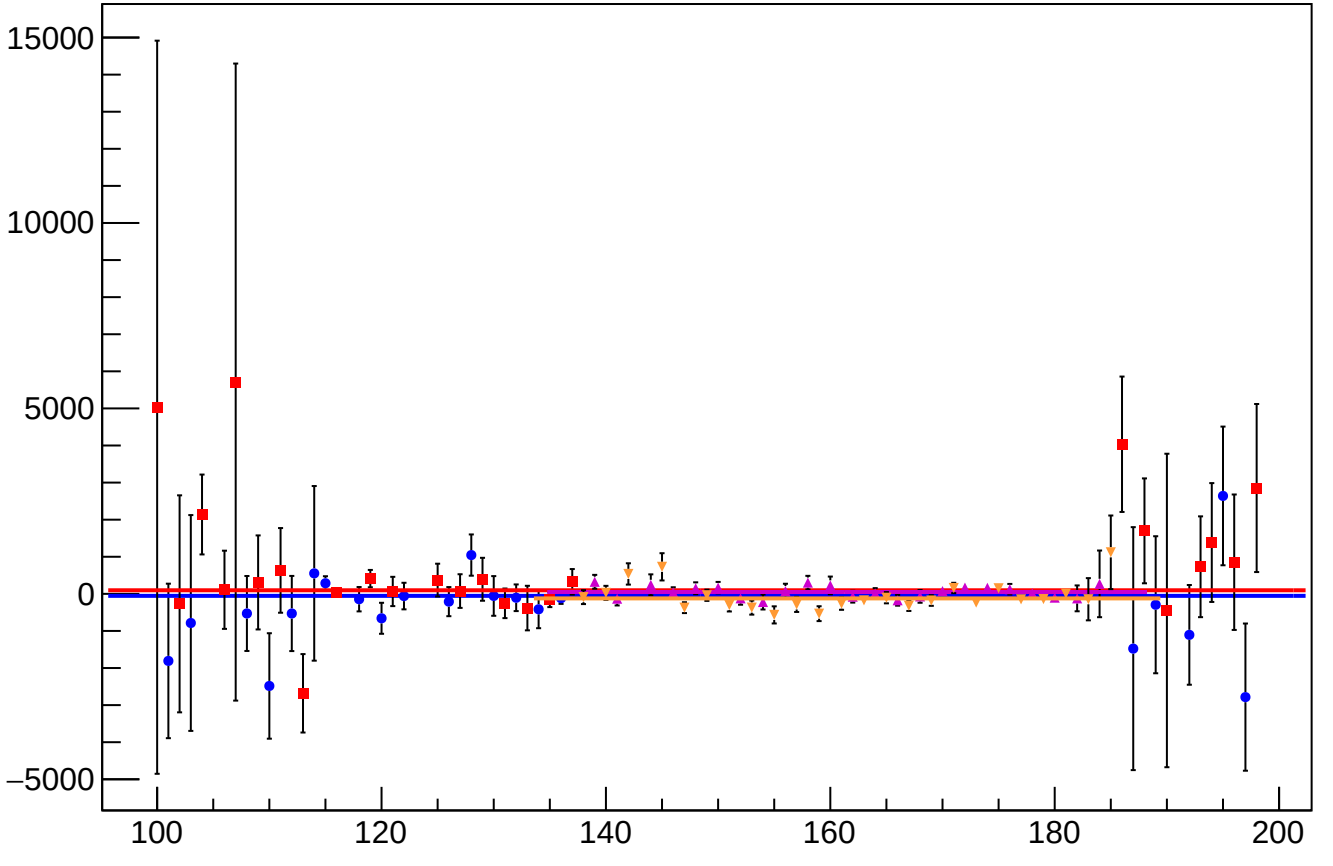
Right: 2265.233+/-0.337 χ^2/NDF: 713038.7/45

In: 2207.948+/-0.291 χ^2/NDF:549094.0/43

Out: 2213.013+/-0.282 χ^2/NDF:207321.7/48

All: 2210.561+/-0.203 χ^2/NDF: 756571.8/92

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -53.812+/-90.369 χ^2/NDF: 19.2/20

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 96.333+/-81.693 χ^2/NDF: 26.0/24

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

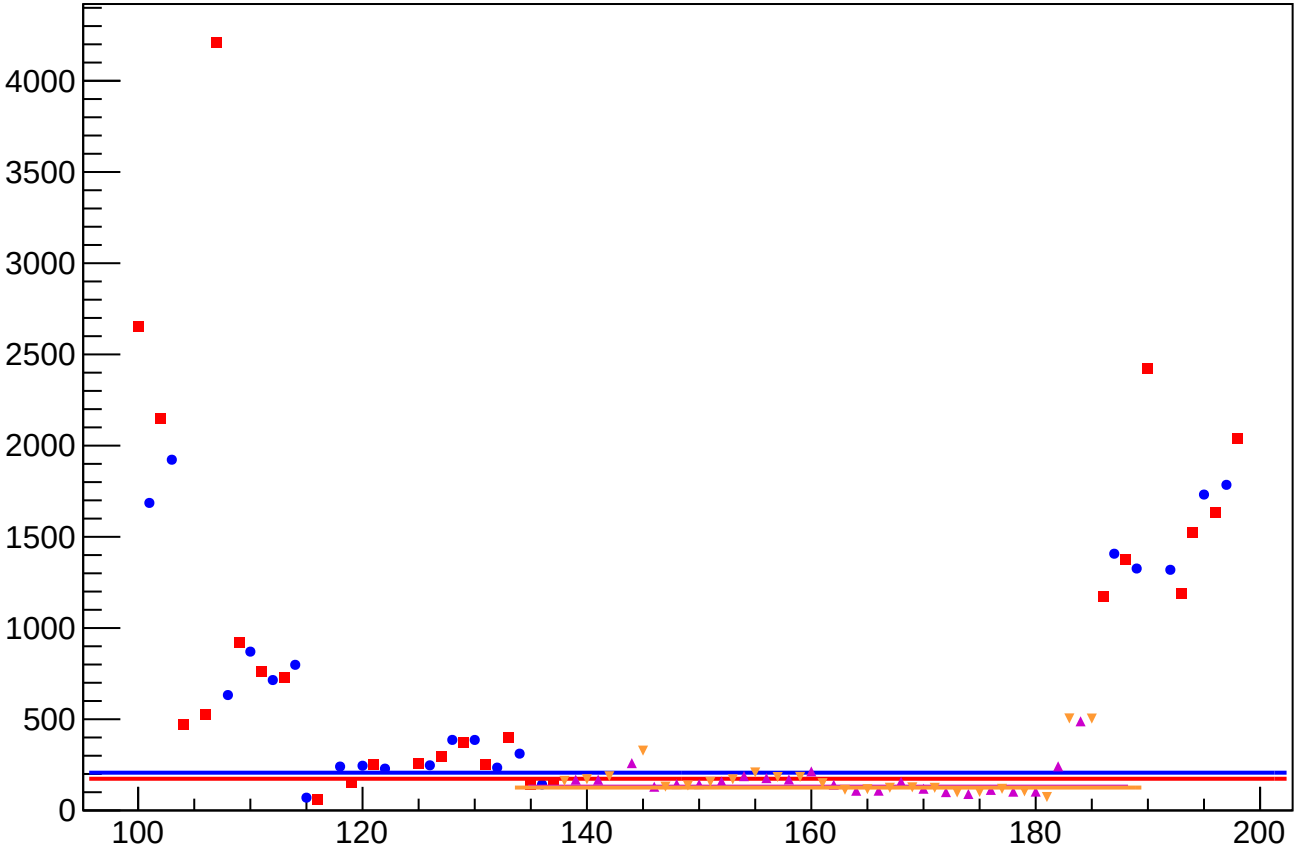
Right: 28.812+/-60.601 χ^2/NDF: 46.6/45

In: 38.265+/-30.622 χ^2/NDF:38.6/43

Out: -94.692+/-29.316 χ^2/NDF:76.0/48

All: -31.110+/-21.176 χ^2/NDF: 124.4/92

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 207.045+/-0.064 χ^2/NDF: 10089022.7/20

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 173.791+/-0.058 χ^2/NDF: 13998653.4/24

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

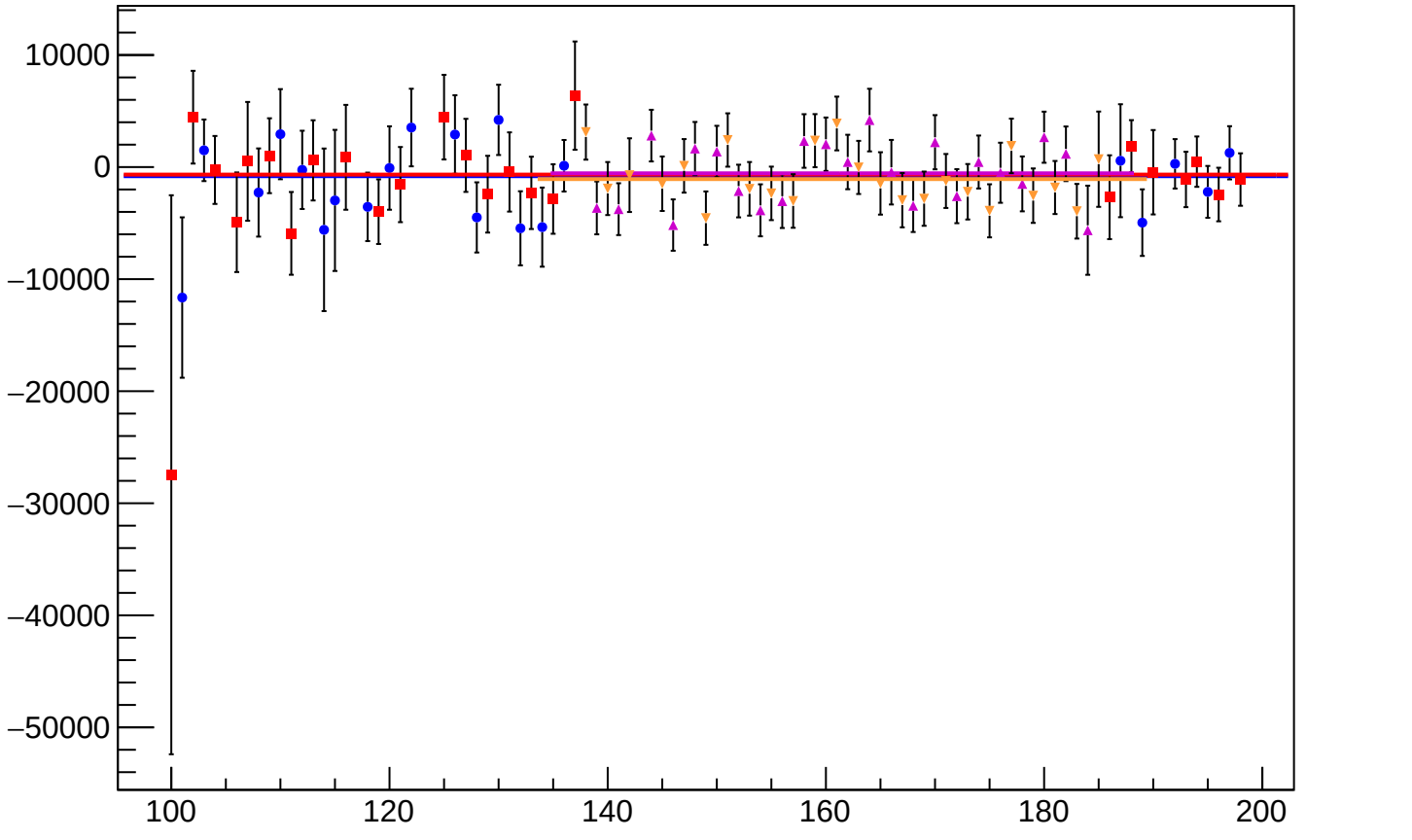
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 188.746+/-0.043 χ^2/NDF: 24236709.6/45

In: 139.246+/-0.022 χ^2/NDF:14040173.7/43

Out: 131.721+/-0.021 χ^2/NDF:18551031.5/48

All: 135.320+/-0.015 χ^2/NDF: 32654221.5/92



Right In: -813.791+/-700.847 χ^2/NDF: 19.3/20

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -672.127+/-649.831 χ^2/NDF: 15.2/24

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

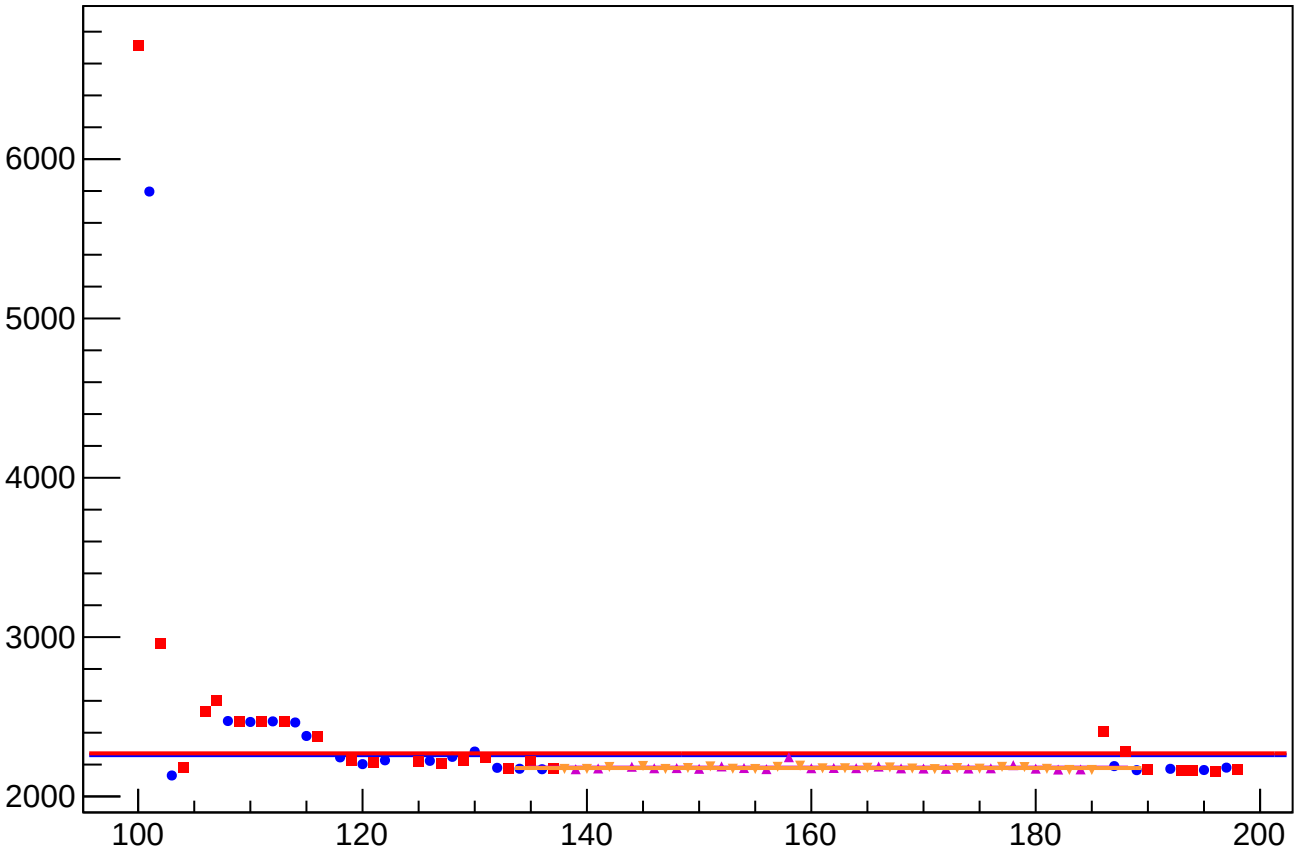
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -737.616+/-476.516 χ^2/NDF: 34.5/45

In: -645.774+/-411.954 χ^2/NDF:48.1/43

Out: -921.733+/-399.012 χ^2/NDF:37.0/48

All: -788.156+/-286.610 χ^2/NDF: 85.3/92



Right In: 2259.149+/-0.496 χ^2/NDF: 530918.2/20

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2270.463+/-0.459 χ^2/NDF: 181840.2/24

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

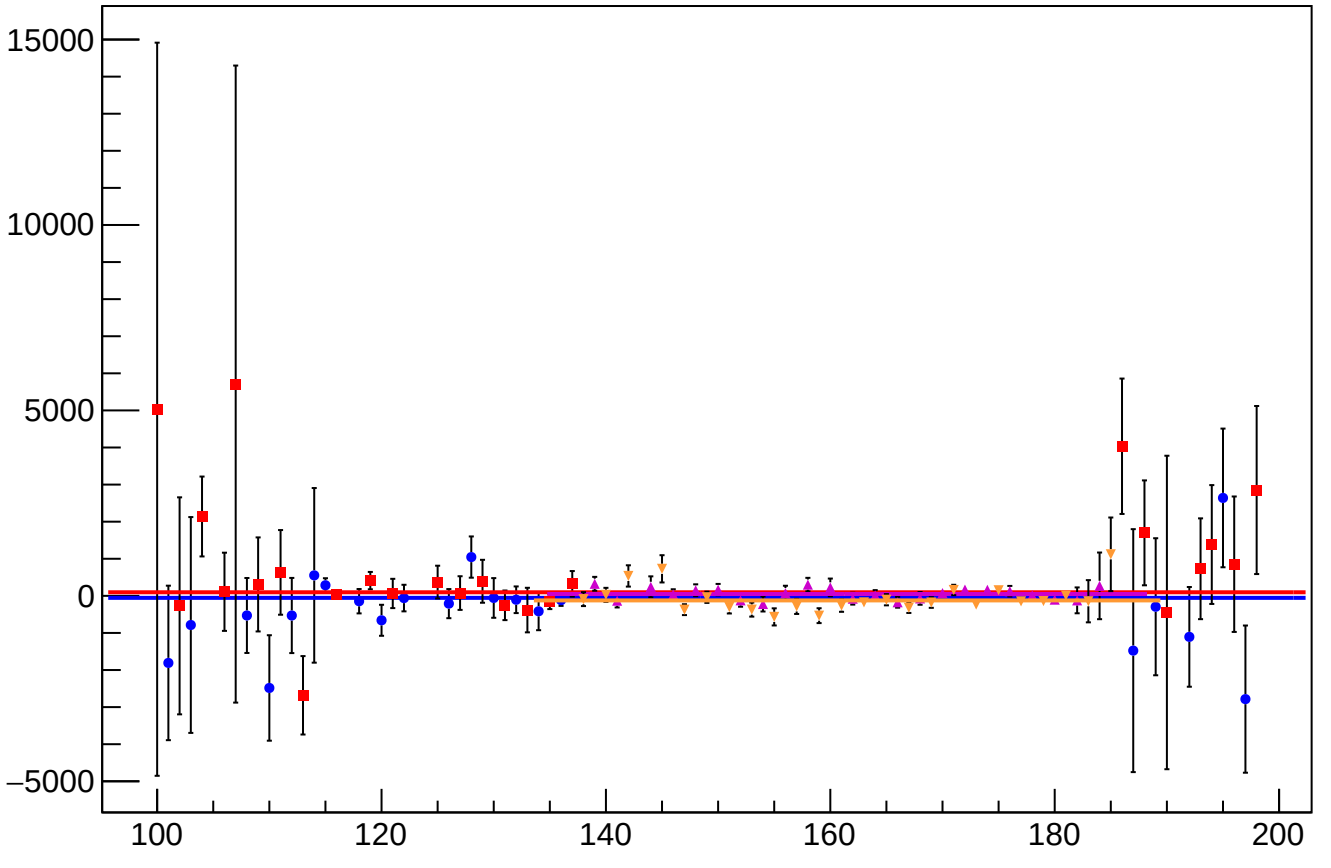
Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

Right: 2265.233+/-0.337 χ^2/NDF: 713038.7/45

In: 2207.948+/-0.291 χ^2/NDF:549094.0/43

Out: 2213.013+/-0.282 χ^2/NDF:207321.7/48

All: 2210.561+/-0.203 χ^2/NDF: 756571.8/92



Right In: -53.812+/-90.369 χ^2/NDF: 19.2/20

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 96.333+/-81.693 χ^2/NDF: 26.0/24

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

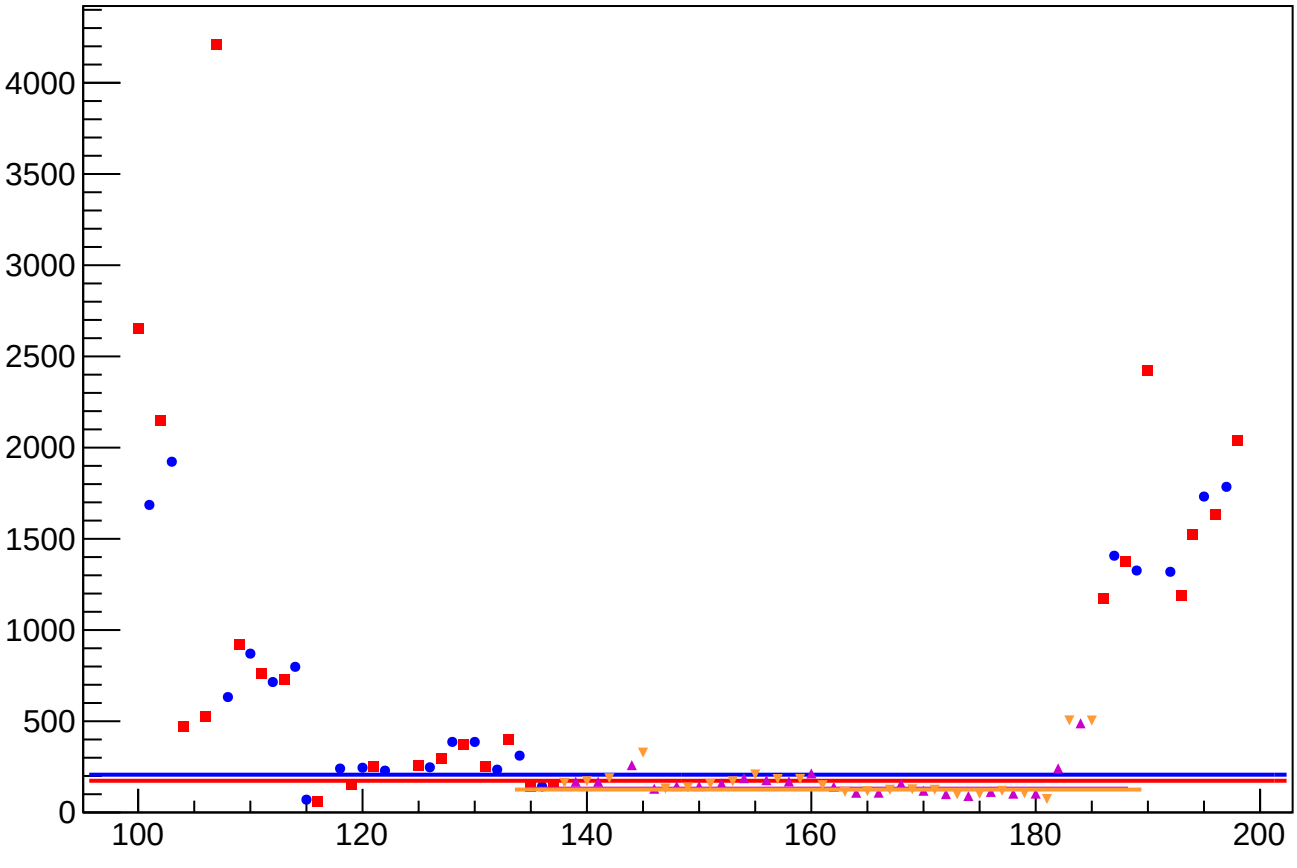
Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

Right: 28.812+/-60.601 χ^2/NDF: 46.6/45

In: 38.265+/-30.622 χ^2/NDF:38.6/43

Out: -94.692+/-29.316 χ^2/NDF:76.0/48

All: -31.110+/-21.176 χ^2/NDF: 124.4/92


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
4000
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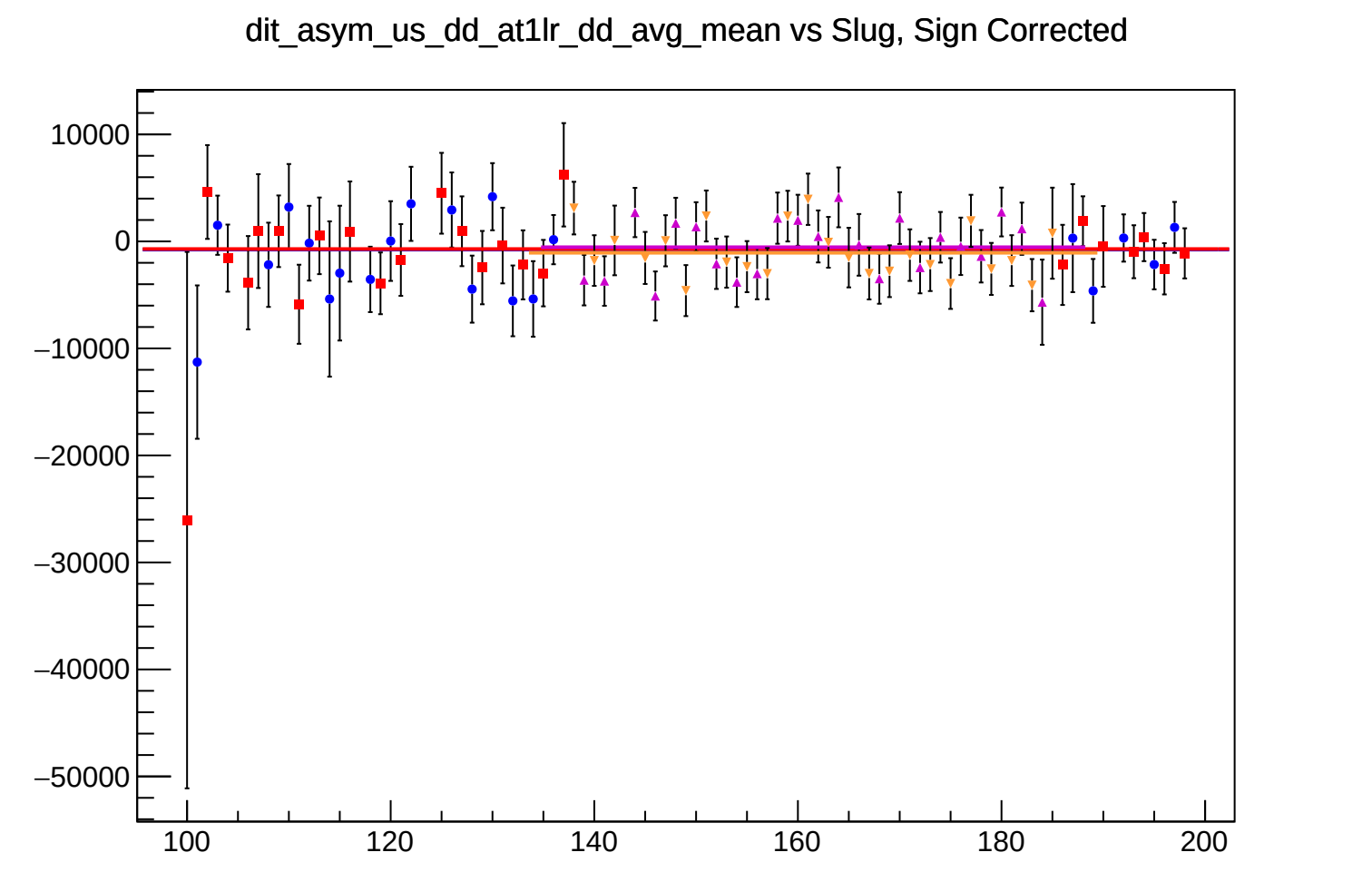
120
140
160
180
200
Right In: 207.045+/-0.064 χ²/NDF: 10089022.7/20
Left Out: 125.503+/-0.022 χ²/NDF:3943570.9/23
Right Out: 173.791+/-0.058 χ²/NDF: 13998653.4/24
Left In: 130.451+/-0.023 χ²/NDF:2679365.4/22
Left: 127.889+/-0.016 χ²/NDF: 6646874.7/46
Right: 188.746+/-0.043 χ²/NDF: 24236709.6/45
In: 139.246+/-0.022 χ²/NDF:14040173.7/43
Out: 131.721+/-0.021 χ²/NDF:18551031.5/48
All: 135.320+/-0.015 χ²/NDF: 32654221.5/92



Right In: -765.610+/-701.747 χ^2/NDF: 18.9/20

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: -712.560+/-651.934 χ^2/NDF: 14.5/24

Left In: -544.260+/-509.433 χ^2/NDF:27.9/22

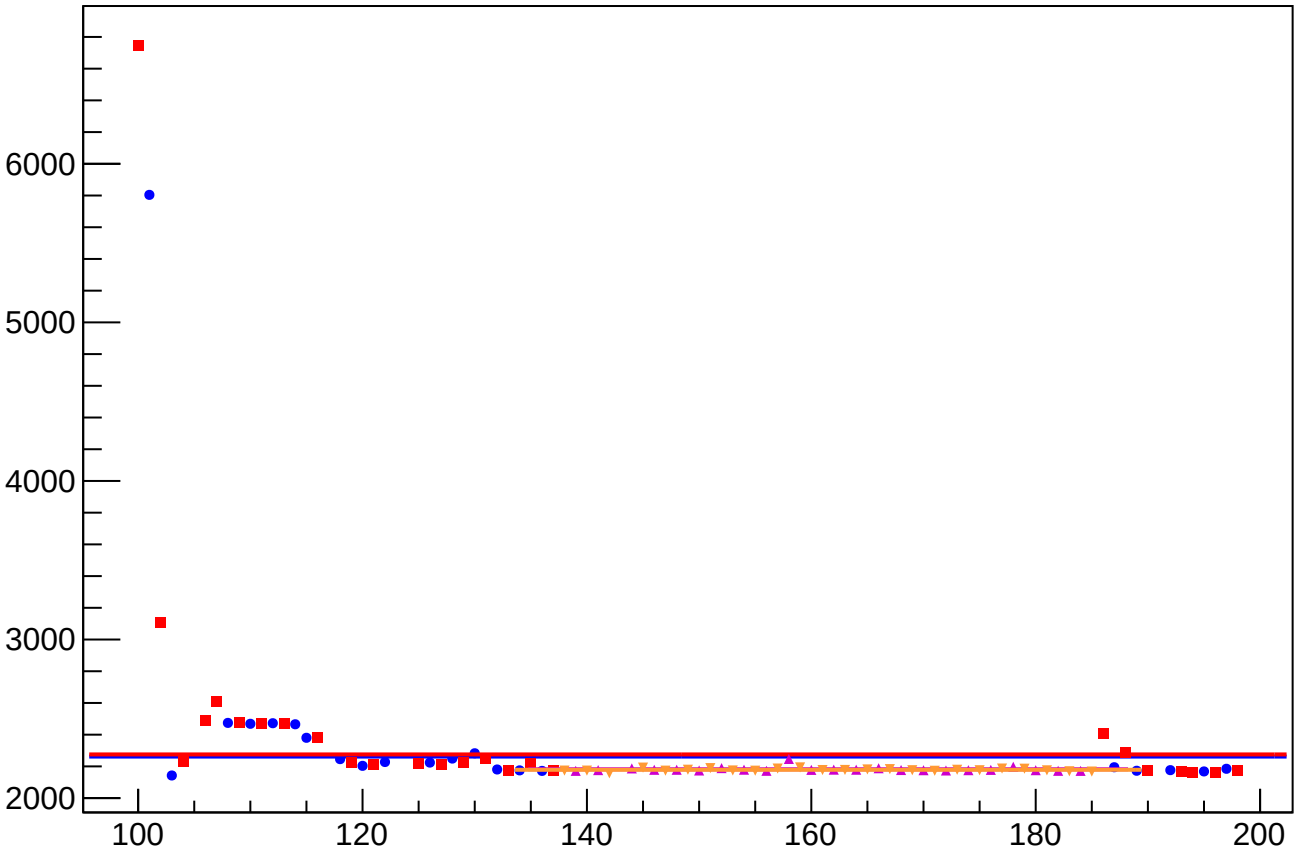
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -737.136+/-477.627 χ^2/NDF: 33.4/45

In: -620.653+/-412.256 χ^2/NDF:46.9/43

Out: -930.985+/-399.543 χ^2/NDF:36.5/48

All: -780.678+/-286.909 χ^2/NDF: 83.7/92



Right In: 2261.910+/-0.496 χ^2/NDF: 530029.2/20

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2275.402+/-0.461 χ^2/NDF: 196847.4/24

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

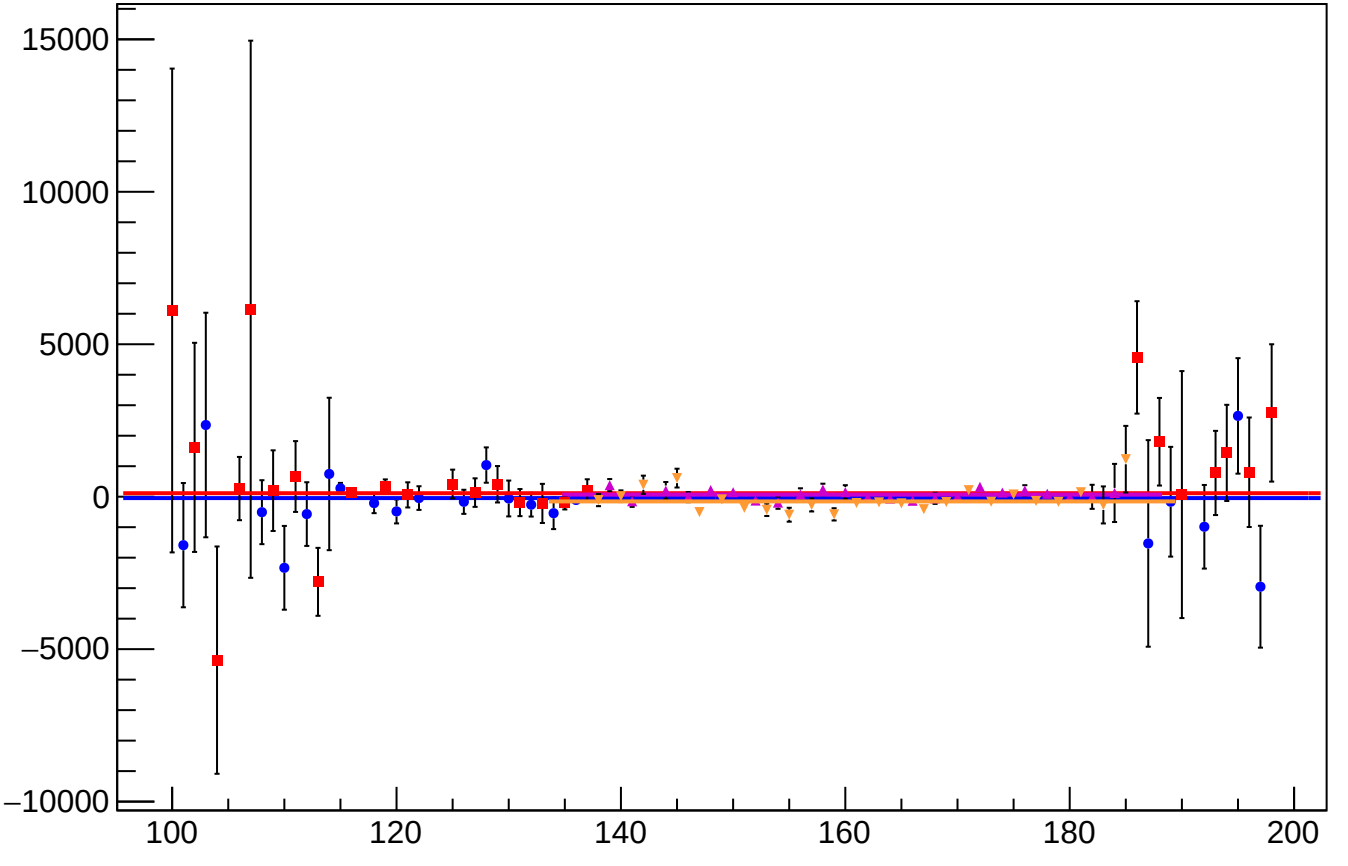
Right: 2269.152+/-0.338 χ^2/NDF: 727273.4/45

In: 2209.502+/-0.292 χ^2/NDF:548901.2/43

Out: 2214.898+/-0.283 χ^2/NDF:224892.1/48

All: 2212.284+/-0.203 χ^2/NDF: 773970.0/92

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -45.612+/-91.840 χ^2/NDF: 18.9/20

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: 114.086+/-85.372 χ^2/NDF: 24.7/24

Left In: 70.142+/-34.204 χ^2/NDF:18.9/22

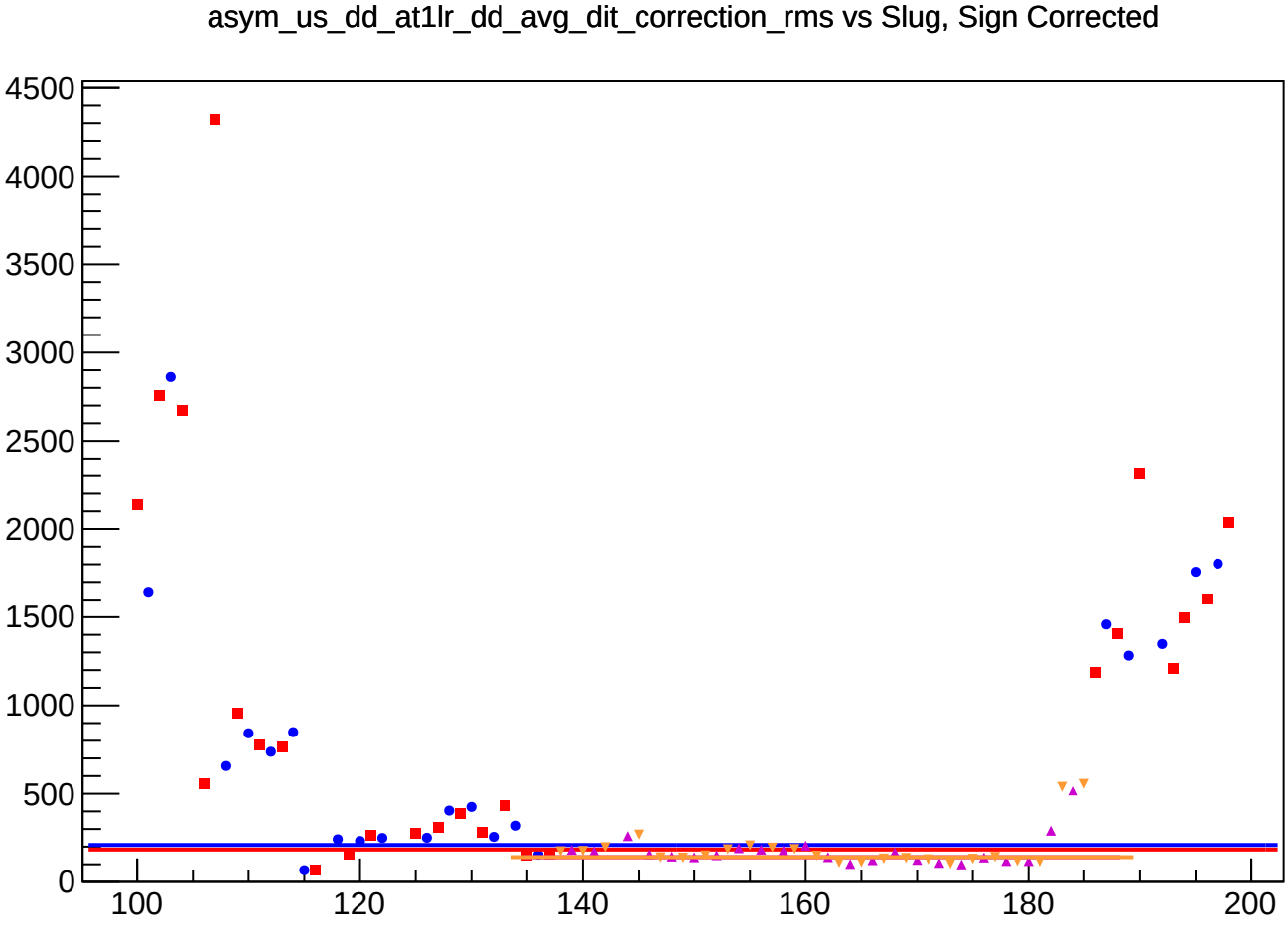
Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

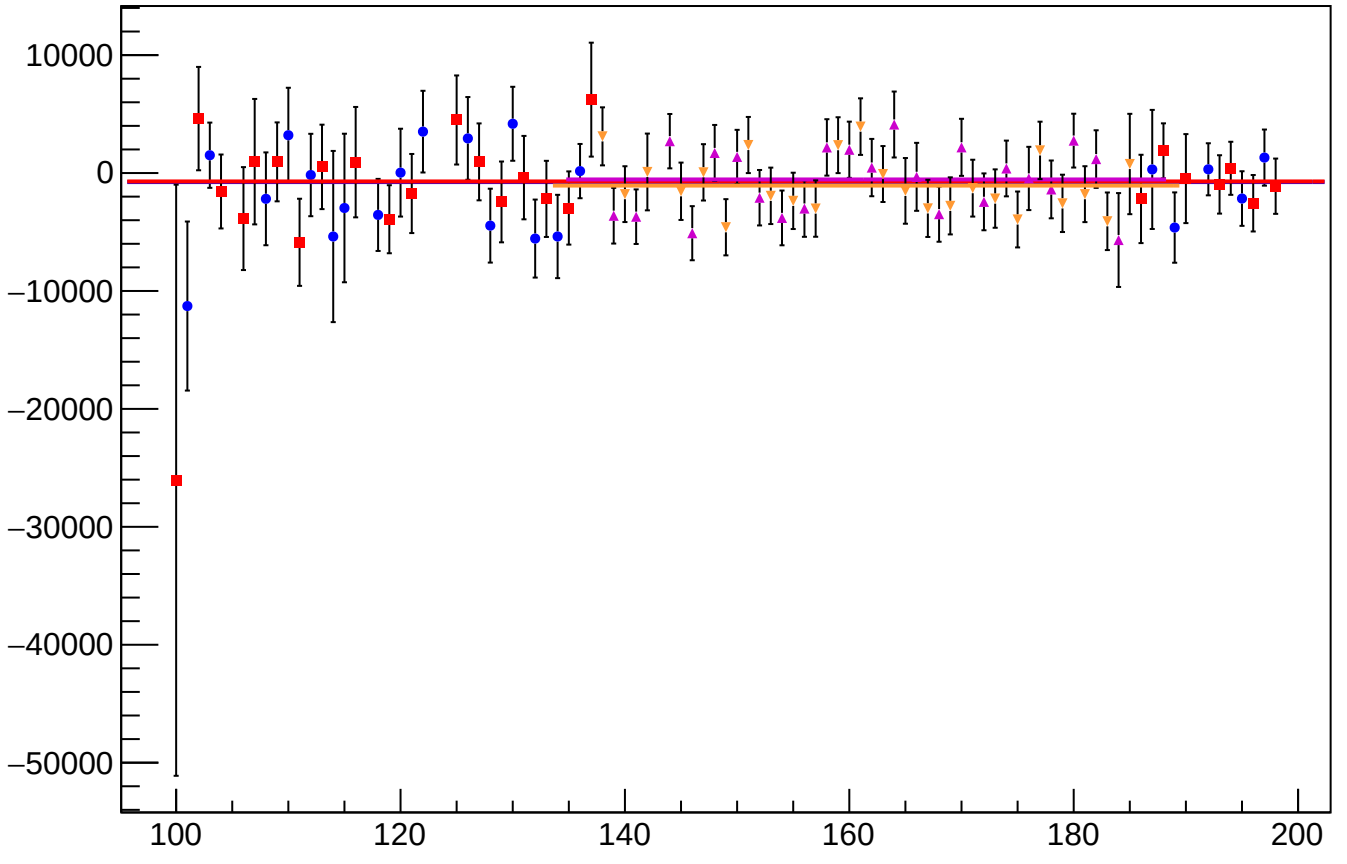
Right: 40.058+/-62.529 χ^2/NDF: 45.2/45

In: 56.041+/-32.053 χ^2/NDF:39.2/43

Out: -117.812+/-31.636 χ^2/NDF:80.6/48

All: -32.026+/-22.516 χ^2/NDF: 134.7/92


asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 209.277+/-0.065 χ²/NDF: 10648502.6/20
Left Out: 140.319+/-0.024 χ²/NDF:2760284.0/23
Right Out: 183.511+/-0.060 χ²/NDF: 14874028.6/24
Left In: 139.979+/-0.024 χ²/NDF:2412455.4/22
Left: 140.149+/-0.017 χ²/NDF: 5172838.7/46
Right: 195.455+/-0.044 χ²/NDF: 25606976.3/45
In: 148.420+/-0.023 χ²/NDF:14060964.7/43
Out: 146.250+/-0.022 χ²/NDF:18075959.4/48
All: 147.321+/-0.016 χ²/NDF: 32141567.9/92



Right In: -765.610+/-701.747 χ^2/NDF: 18.9/20

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: -712.559+/-651.934 χ^2/NDF: 14.5/24

Left In: -544.259+/-509.433 χ^2/NDF:27.9/22

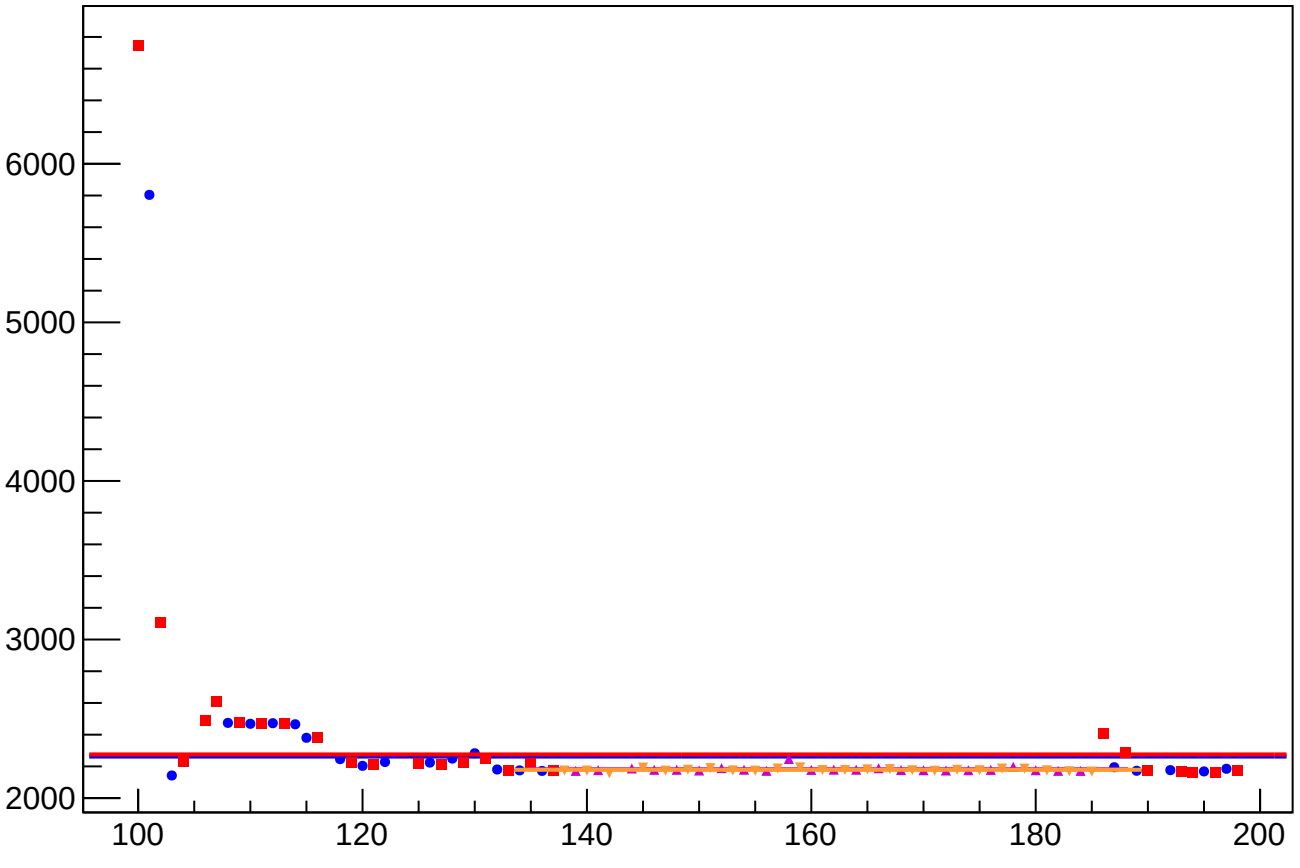
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -737.135+/-477.627 χ^2/NDF: 33.4/45

In: -620.652+/-412.256 χ^2/NDF:46.9/43

Out: -930.985+/-399.543 χ^2/NDF:36.5/48

All: -780.677+/-286.909 χ^2/NDF: 83.7/92



Right In: 2261.910+/-0.496 χ^2/NDF: 530029.2/20

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2275.402+/-0.461 χ^2/NDF: 196847.3/24

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

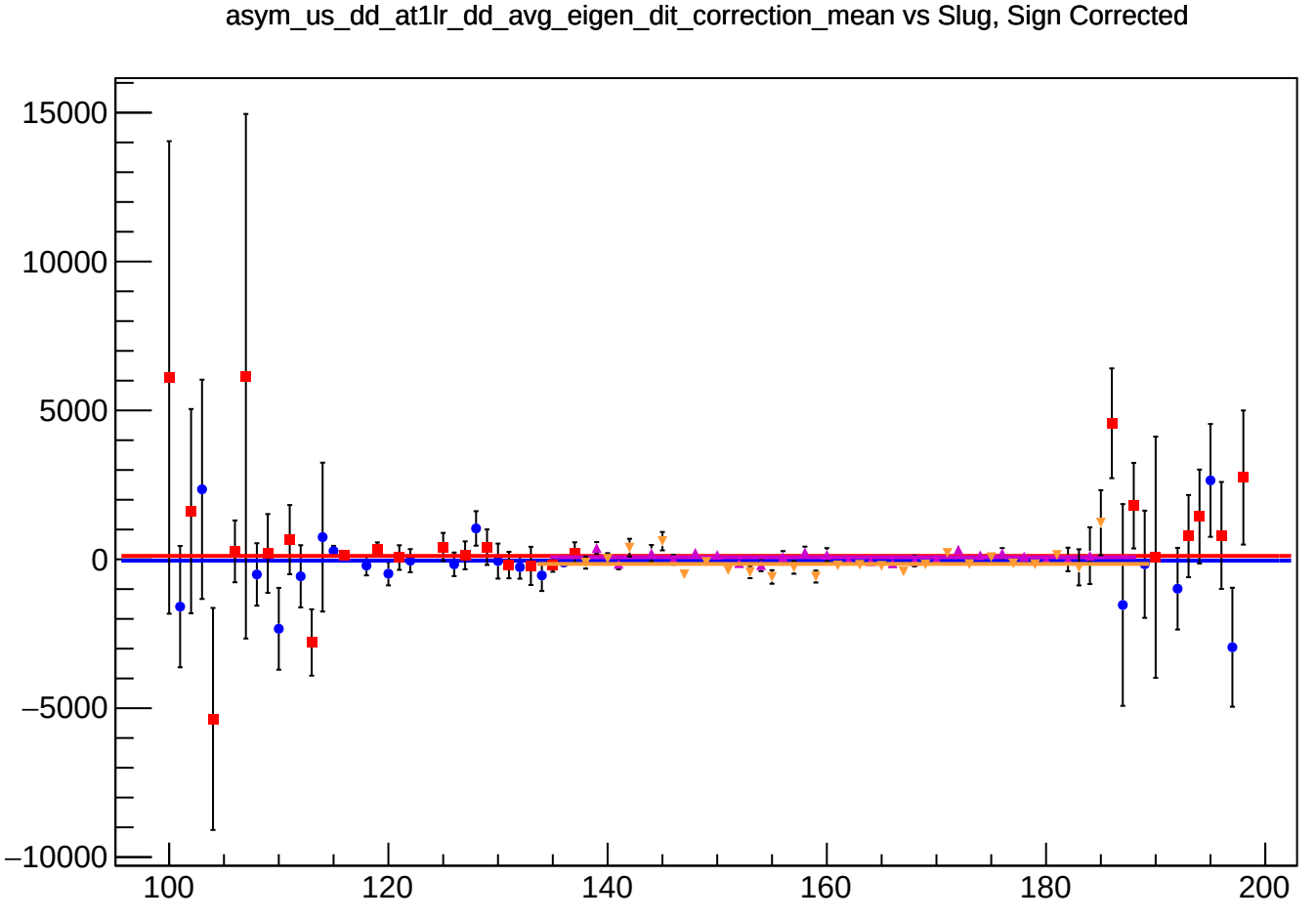
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2269.152+/-0.338 χ^2/NDF: 727273.3/45

In: 2209.502+/-0.292 χ^2/NDF:548901.2/43

Out: 2214.898+/-0.283 χ^2/NDF:224892.0/48

All: 2212.284+/-0.203 χ^2/NDF: 773969.9/92



Right In: -45.609+/-91.839 χ^2/NDF: 18.9/20

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

Right Out: 114.086+/-85.371 χ^2/NDF: 24.7/24

Left In: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

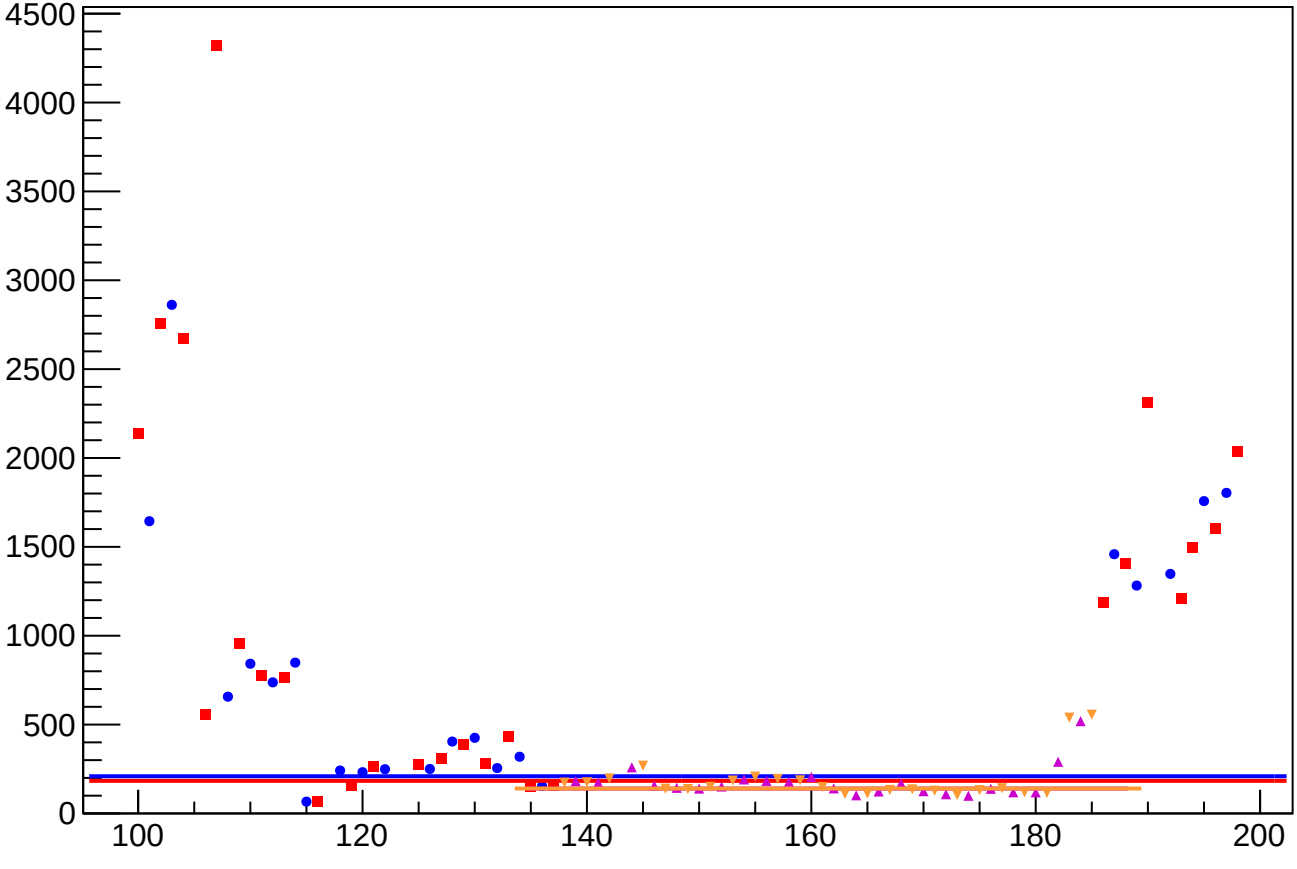
Right: 40.059+/-62.528 χ^2/NDF: 45.2/45

In: 56.041+/-32.054 χ^2/NDF:39.2/43

Out: -117.813+/-31.636 χ^2/NDF:80.6/48

All: -32.026+/-22.516 χ^2/NDF: 134.7/92

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 209.274+/-0.065 χ^2/NDF: 10648557.6/20

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 183.509+/-0.060 χ^2/NDF: 14874115.5/24

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

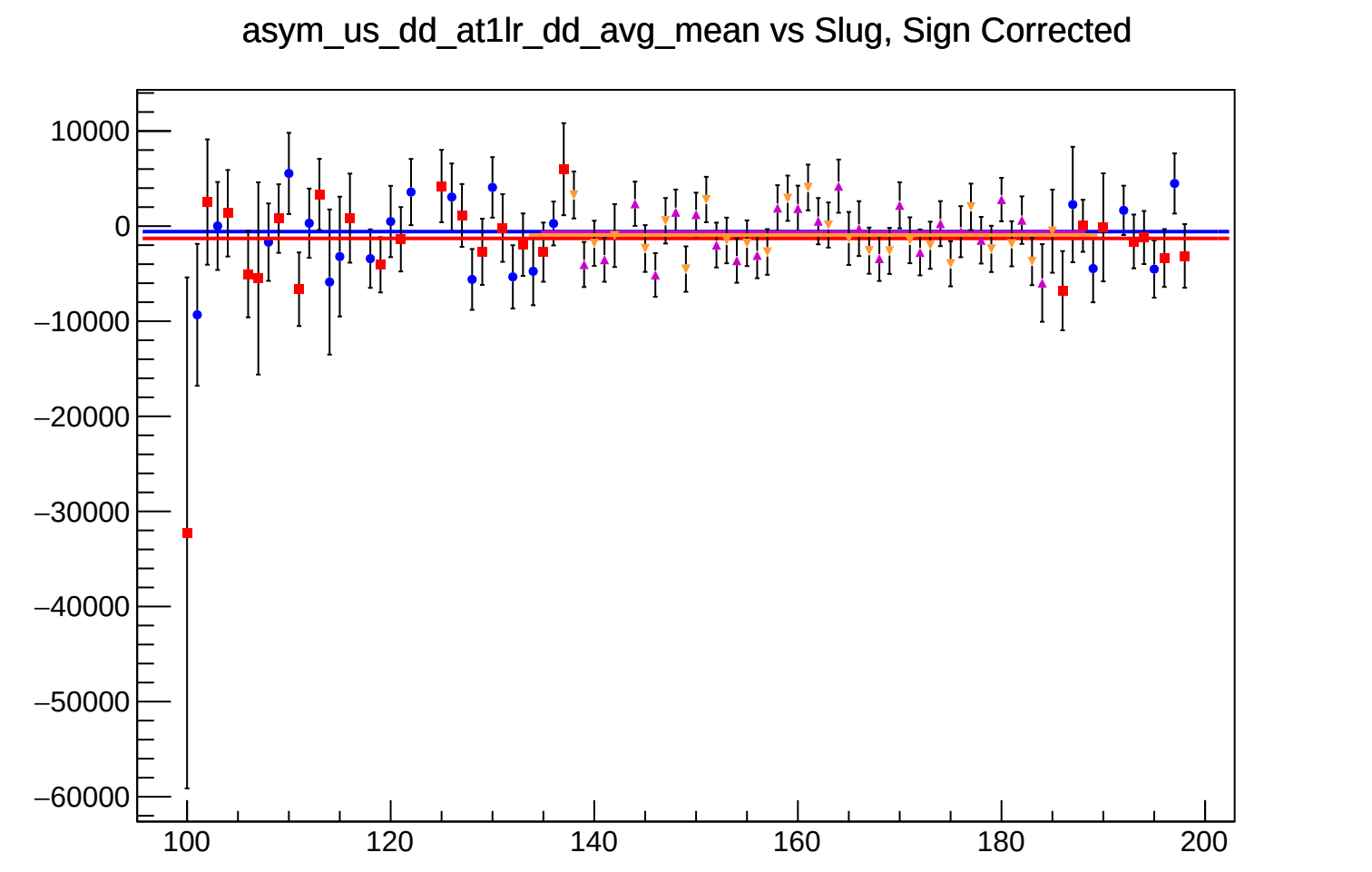
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 195.452+/-0.044 χ^2/NDF: 25607120.4/45

In: 148.420+/-0.023 χ^2/NDF:14061011.1/43

Out: 146.250+/-0.022 χ^2/NDF:18075988.1/48

All: 147.321+/-0.016 χ^2/NDF: 32141642.7/92



Right In: -576.419+/-776.780 χ^2/NDF: 22.3/20

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: -1292.363+/-738.683 χ^2/NDF: 16.0/24

Left In: -642.773+/-511.372 χ^2/NDF:27.0/22

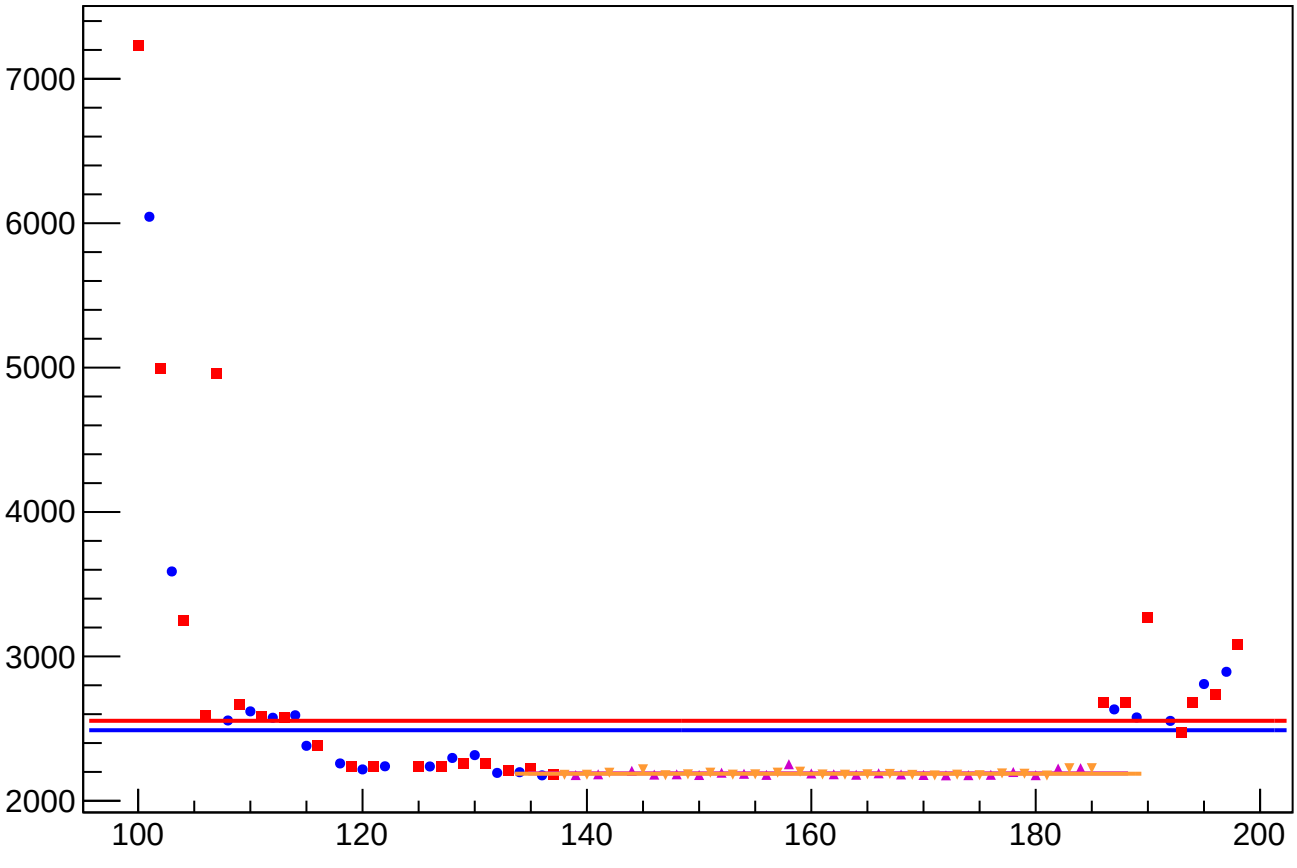
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -952.378+/-535.289 χ^2/NDF: 38.7/45

In: -622.711+/-427.125 χ^2/NDF:49.3/43

Out: -1047.622+/-418.414 χ^2/NDF:38.5/48

All: -839.544+/-298.895 χ^2/NDF: 88.3/92



Right In: 2488.775+/-0.549 χ^2/NDF: 751555.1/20

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

Right Out: 2554.087+/-0.522 χ^2/NDF: 758676.4/24

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

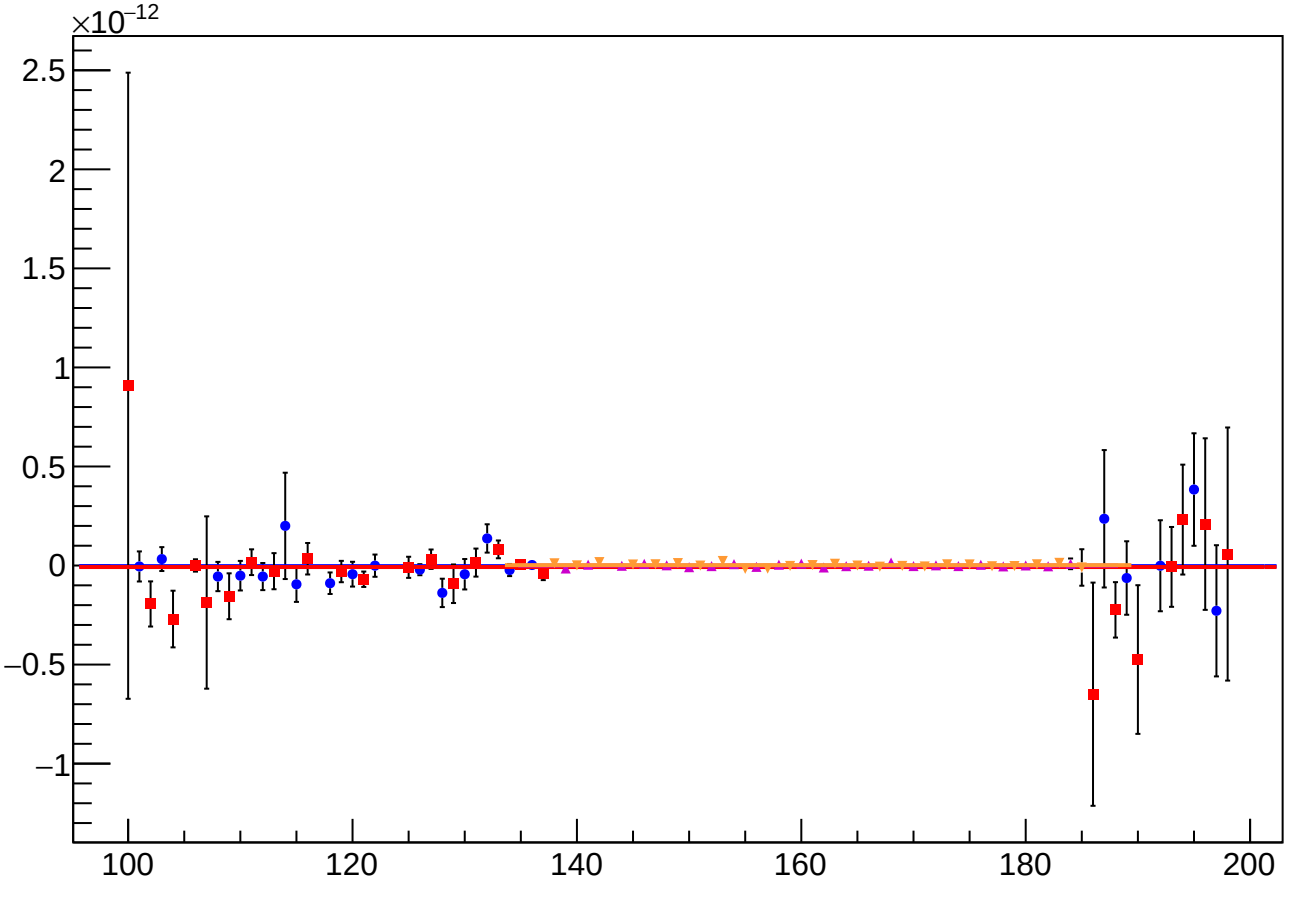
Right: 2523.072+/-0.379 χ^2/NDF: 1517656.3/45

In: 2280.449+/-0.302 χ^2/NDF:960295.0/43

Out: 2305.200+/-0.296 χ^2/NDF:1094332.2/48

All: 2293.079+/-0.211 χ^2/NDF: 2058054.2/92

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/24

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

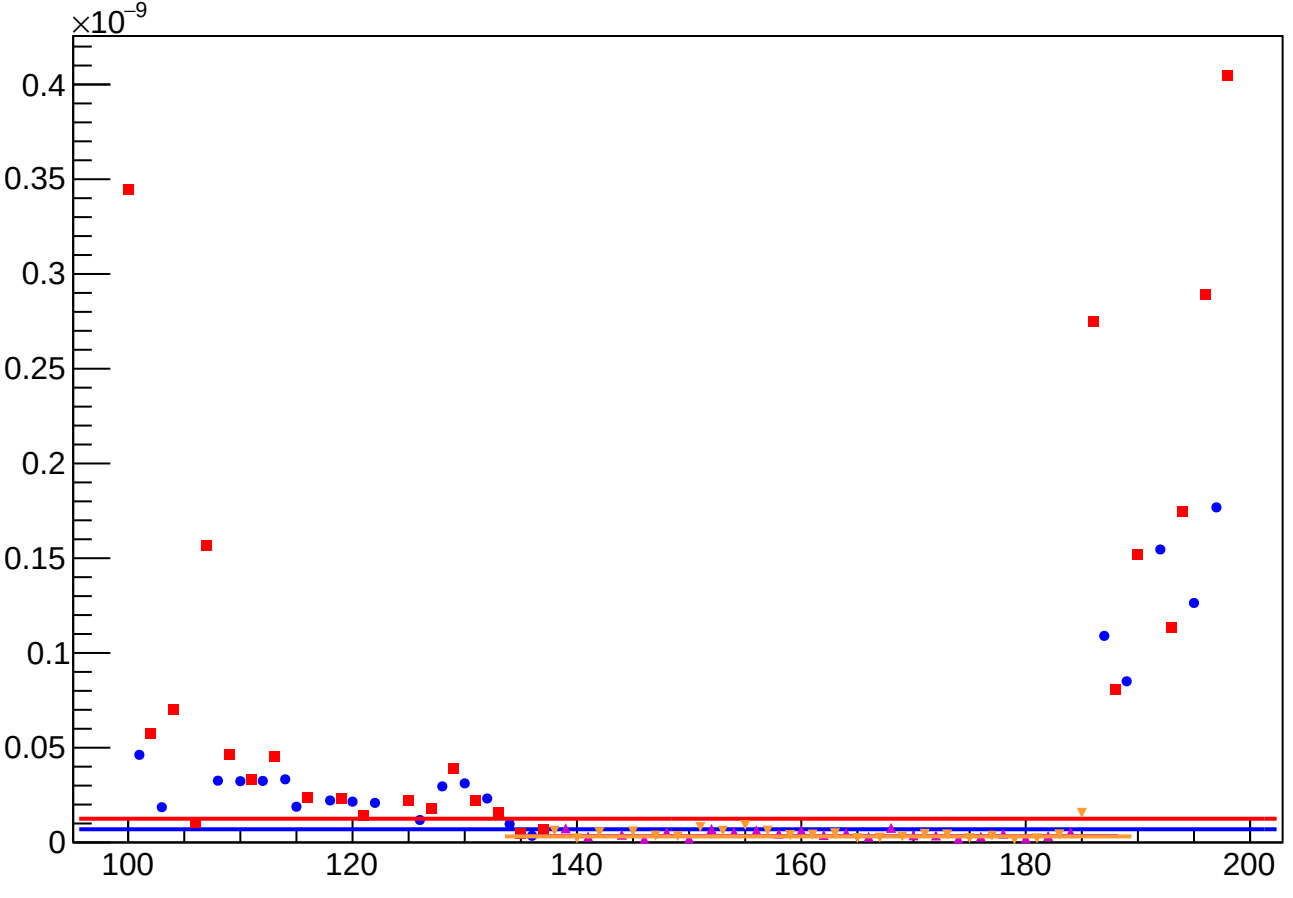
Right: -0.000+/-0.000 χ^2/NDF: 43.8/45

In: -0.000+/-0.000 χ^2/NDF:32.0/43

Out: 0.000+/-0.000 χ^2/NDF:45.5/48

All: 0.000+/-0.000 χ^2/NDF: 78.5/92

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5096924.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6663551.0/24

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3787444.9/46

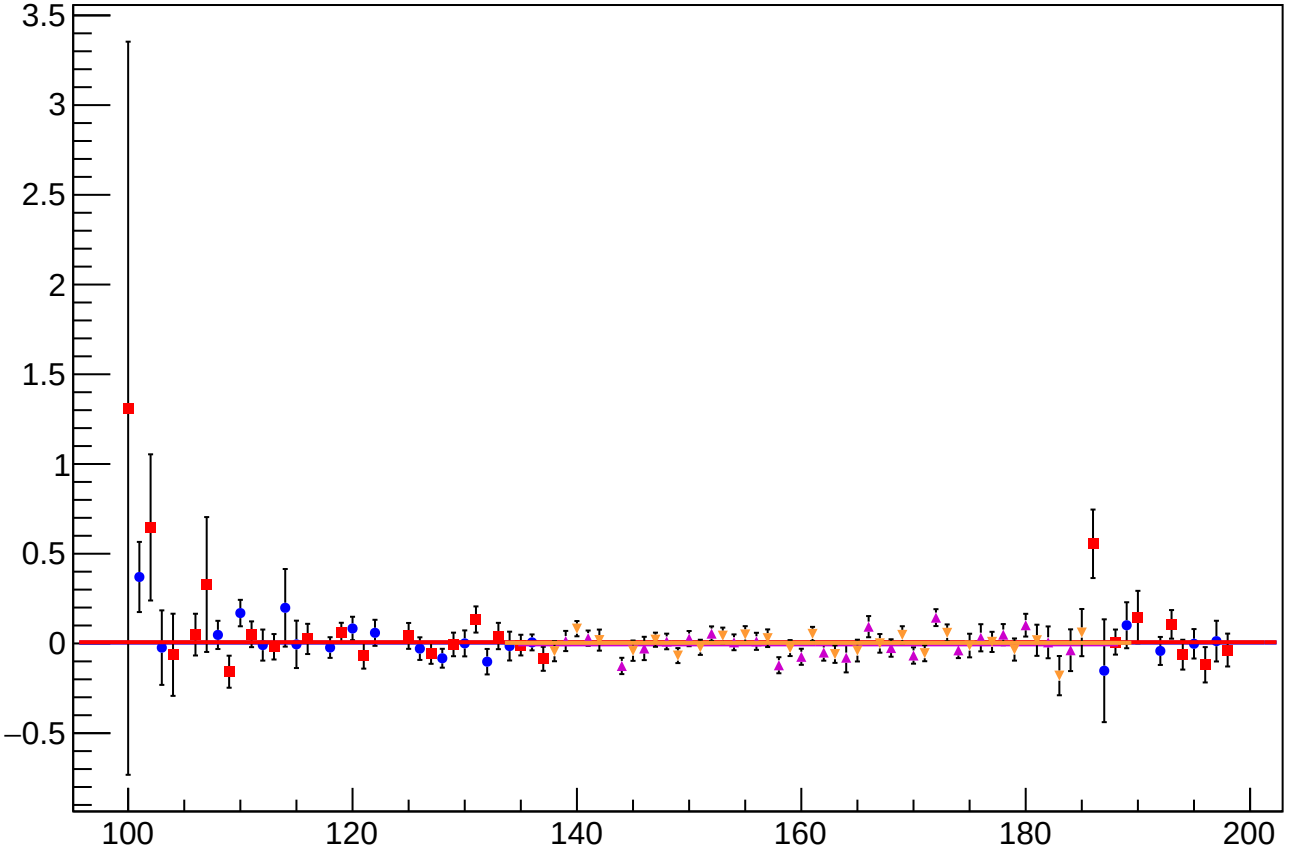
Right: 0.000+/-0.000 χ^2/NDF: 12223390.5/45

In: 0.000+/-0.000 χ^2/NDF:7402695.8/43

Out: 0.000+/-0.000 χ^2/NDF:10535772.9/48

All: 0.000+/-0.000 χ^2/NDF: 17959474.7/92

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.017 χ^2/NDF: 18.5/20

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.007+/-0.016 χ^2/NDF: 29.6/24

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

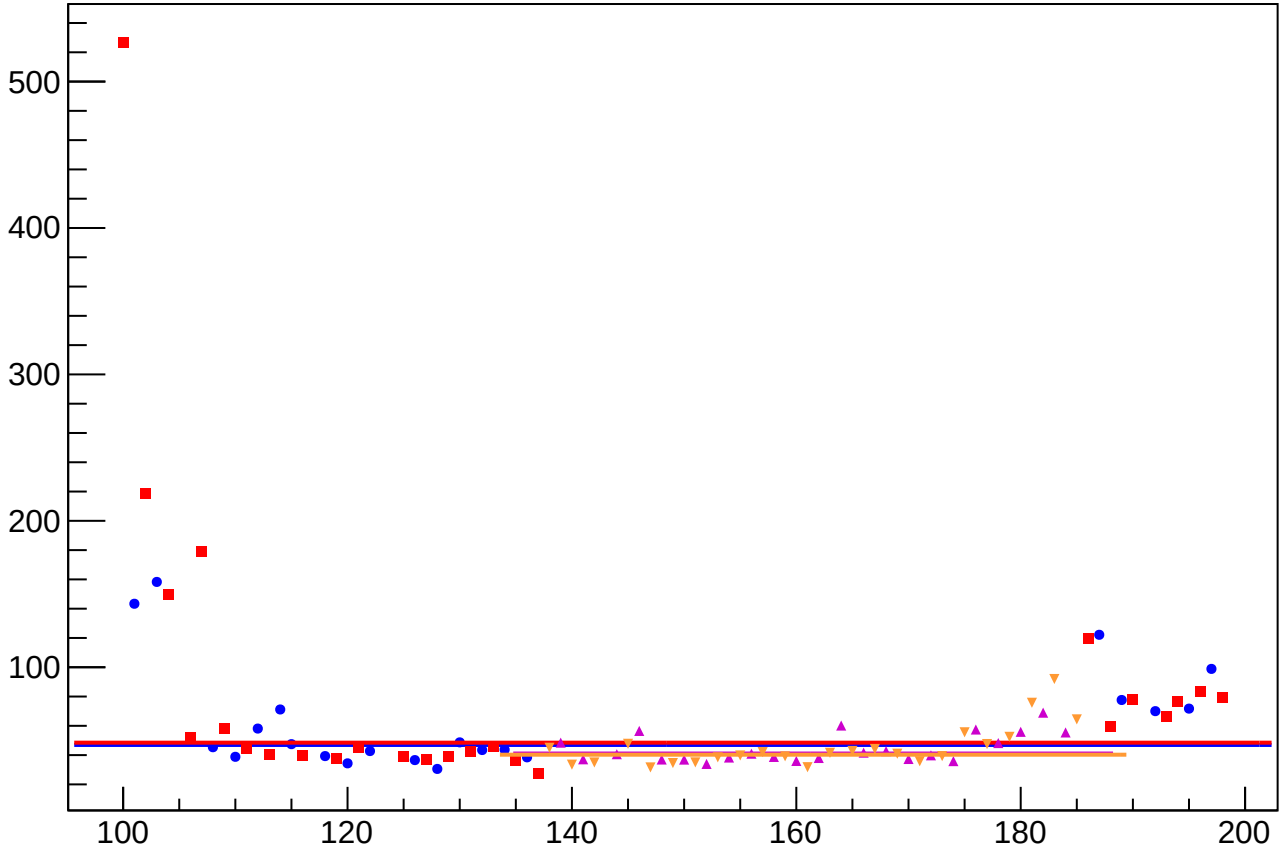
Right: 0.006+/-0.012 χ^2/NDF: 48.1/45

In: -0.002+/-0.009 χ^2/NDF:60.1/43

Out: 0.004+/-0.009 χ^2/NDF:51.5/48

All: 0.001+/-0.006 χ^2/NDF: 111.9/92

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.934+/-0.012 χ^2/NDF: 2621119.0/20

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 48.493+/-0.012 χ^2/NDF: 2921873.0/24

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

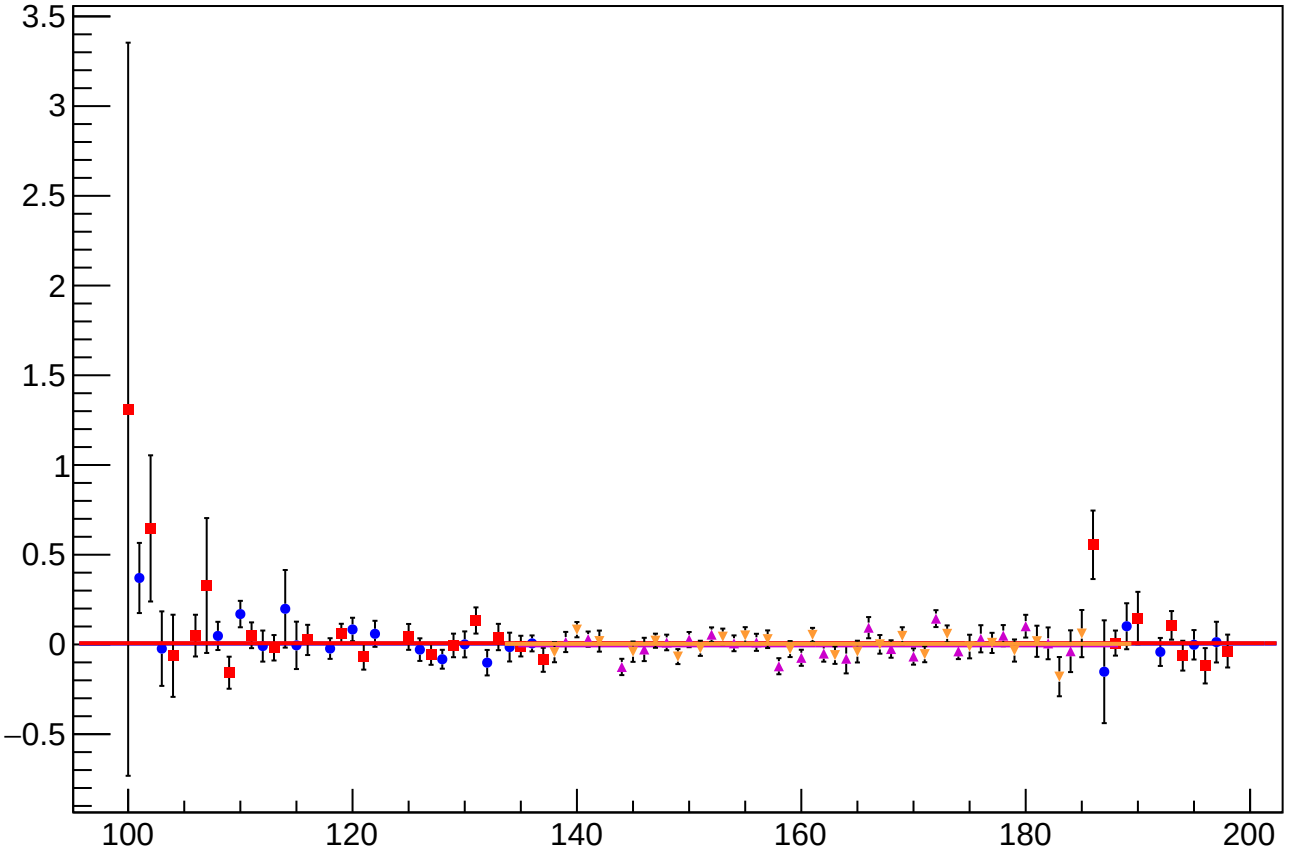
Right: 47.739+/-0.008 χ^2/NDF: 5551688.1/45

In: 42.713+/-0.006 χ^2/NDF:3719046.2/43

Out: 42.615+/-0.006 χ^2/NDF:4768184.8/48

All: 42.663+/-0.004 χ^2/NDF: 8487353.9/92

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.017 χ^2/NDF: 18.5/20

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.007+/-0.016 χ^2/NDF: 29.6/24

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

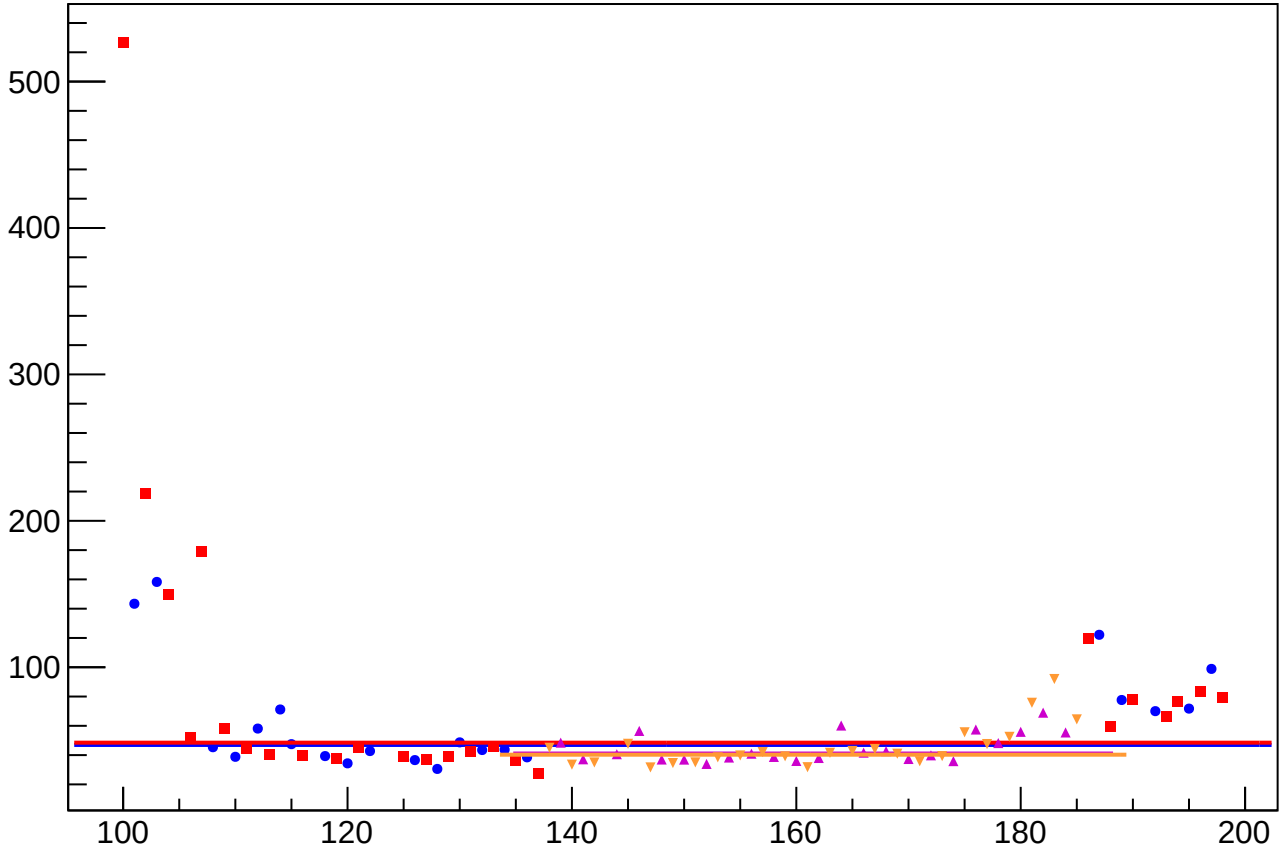
Right: 0.006+/-0.012 χ^2/NDF: 48.1/45

In: -0.002+/-0.009 χ^2/NDF:60.1/43

Out: 0.004+/-0.009 χ^2/NDF:51.5/48

All: 0.001+/-0.006 χ^2/NDF: 111.9/92

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.934+/-0.012 χ^2/NDF: 2621119.0/20

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 48.493+/-0.012 χ^2/NDF: 2921873.0/24

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

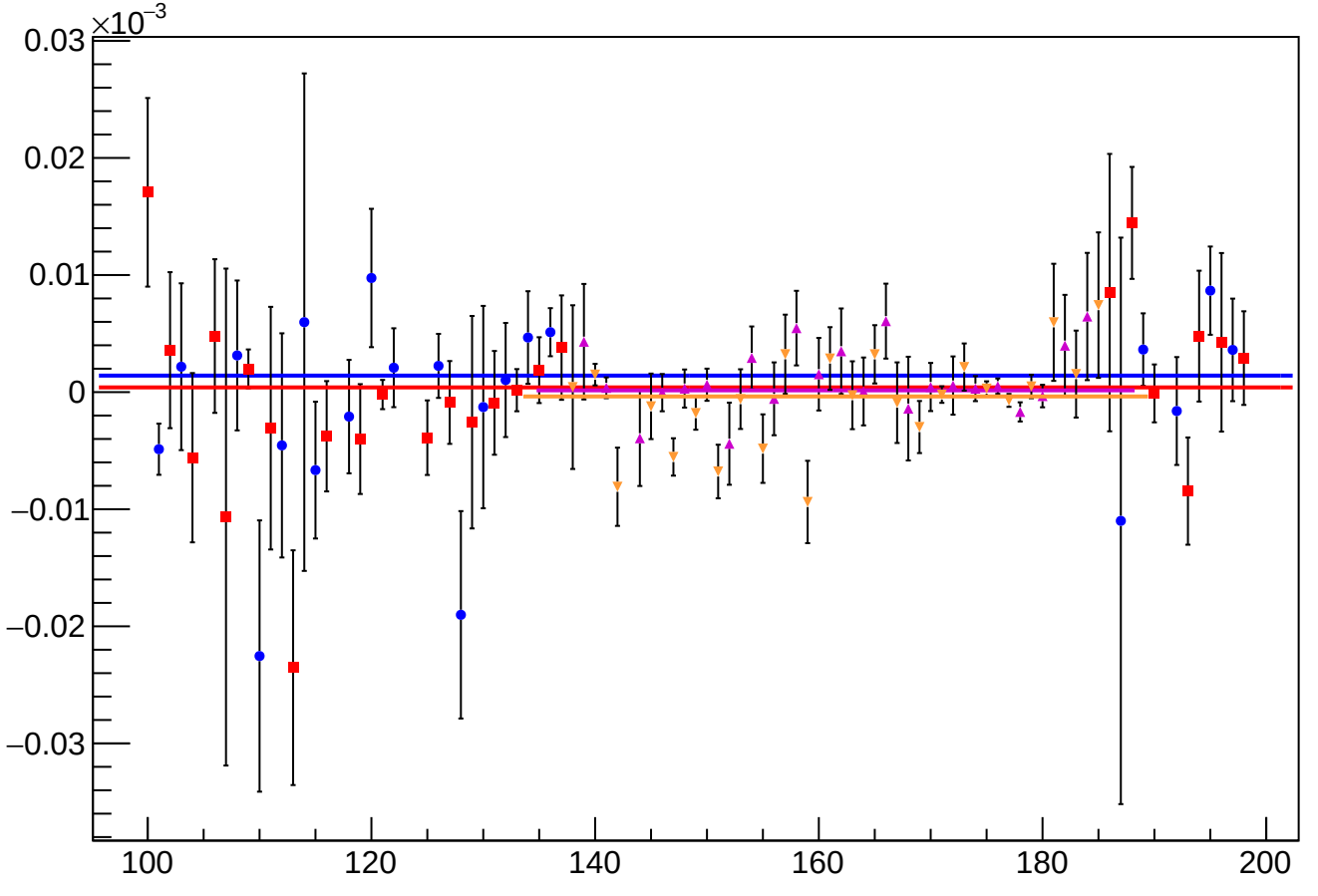
Right: 47.739+/-0.008 χ^2/NDF: 5551688.1/45

In: 42.713+/-0.006 χ^2/NDF:3719046.2/43

Out: 42.615+/-0.006 χ^2/NDF:4768184.8/48

All: 42.663+/-0.004 χ^2/NDF: 8487353.9/92

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: 32.2/20

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.7/24

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

Left: -0.000+/-0.000 χ^2/NDF: 72.6/46

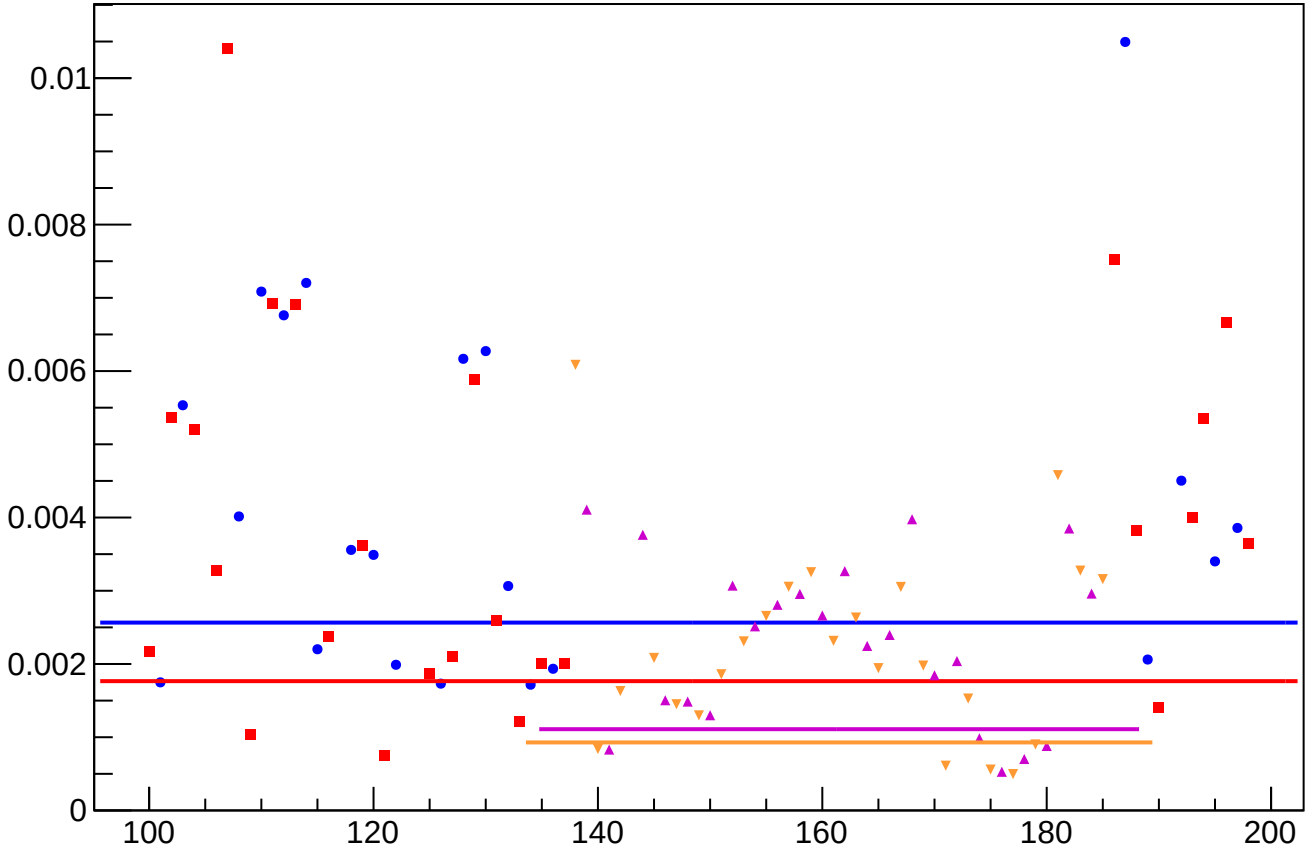
Right: 0.000+/-0.000 χ^2/NDF: 64.7/45

In: 0.000+/-0.000 χ^2/NDF:53.8/43

Out: -0.000+/-0.000 χ^2/NDF:84.1/48

All: -0.000+/-0.000 χ^2/NDF: 139.8/92

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: 3793291.2/20

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

Right Out: 0.002+/-0.000 χ^2/NDF: 8709161.7/24

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

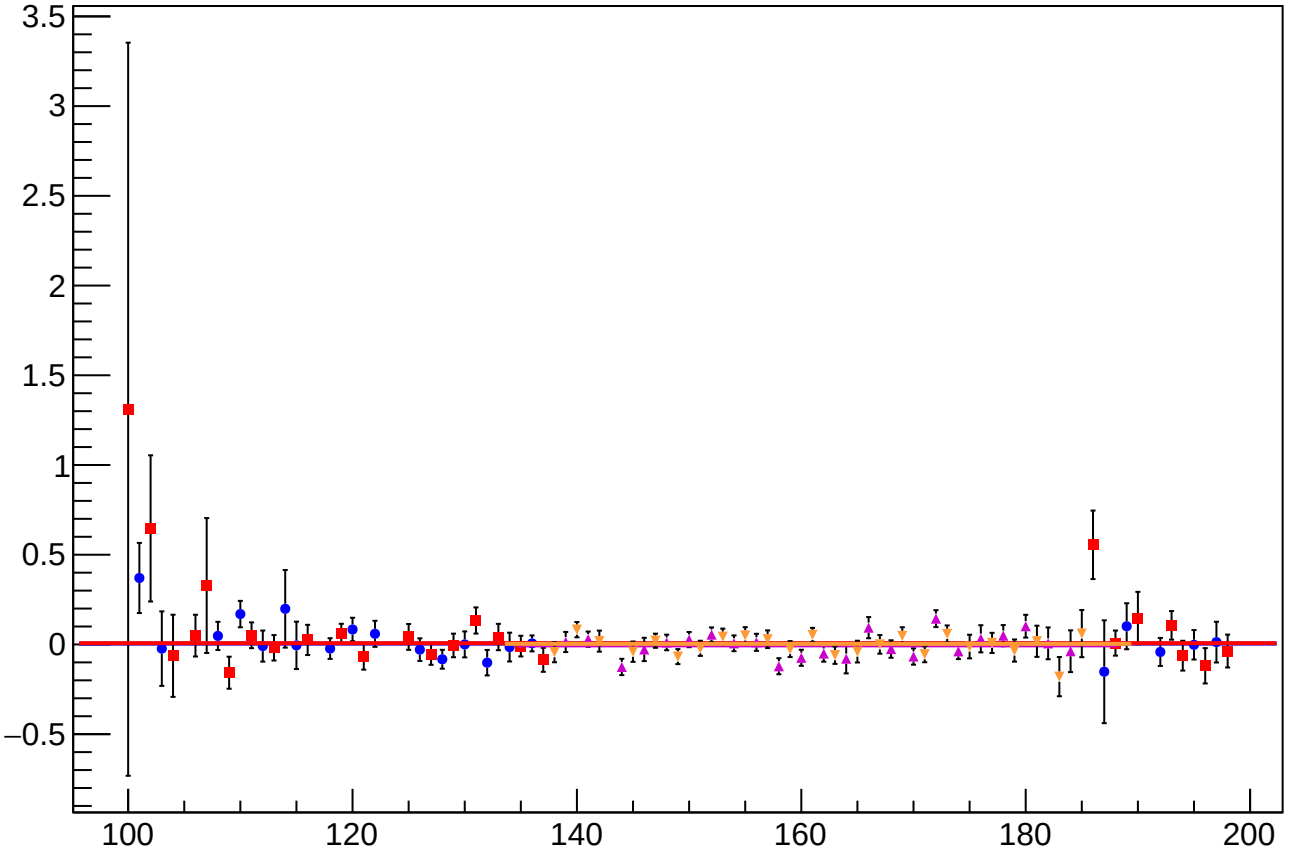
Right: 0.002+/-0.000 χ^2/NDF: 13533193.3/45

In: 0.001+/-0.000 χ^2/NDF:19392776.0/43

Out: 0.001+/-0.000 χ^2/NDF:24009434.9/48

All: 0.001+/-0.000 χ^2/NDF: 44009417.1/92

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.017 χ^2/NDF: 18.5/20

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.007+/-0.016 χ^2/NDF: 29.6/24

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

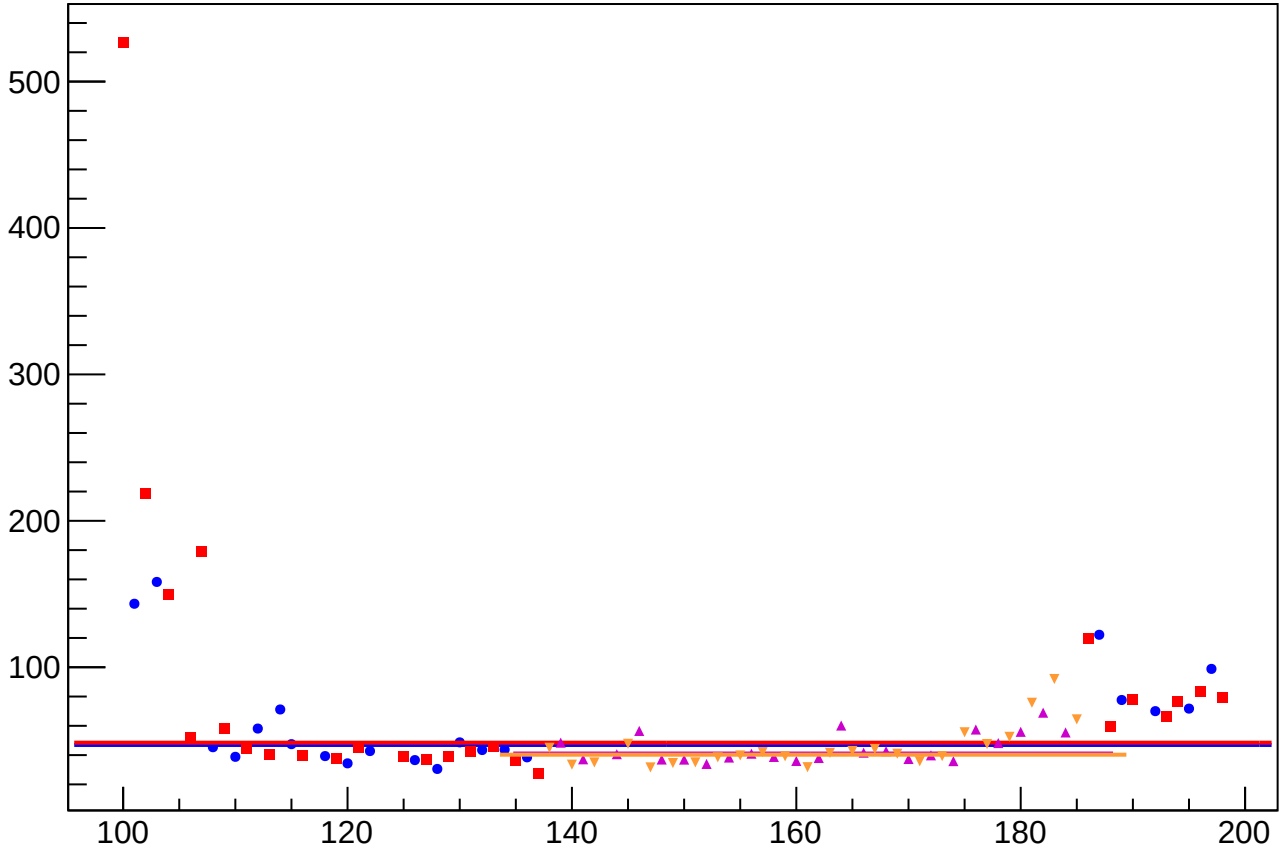
Right: 0.006+/-0.012 χ^2/NDF: 48.1/45

In: -0.002+/-0.009 χ^2/NDF:60.1/43

Out: 0.004+/-0.009 χ^2/NDF:51.5/48

All: 0.001+/-0.006 χ^2/NDF: 111.9/92

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.932+/-0.012 χ^2/NDF: 2621477.8/20

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 48.494+/-0.012 χ^2/NDF: 2921865.5/24

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

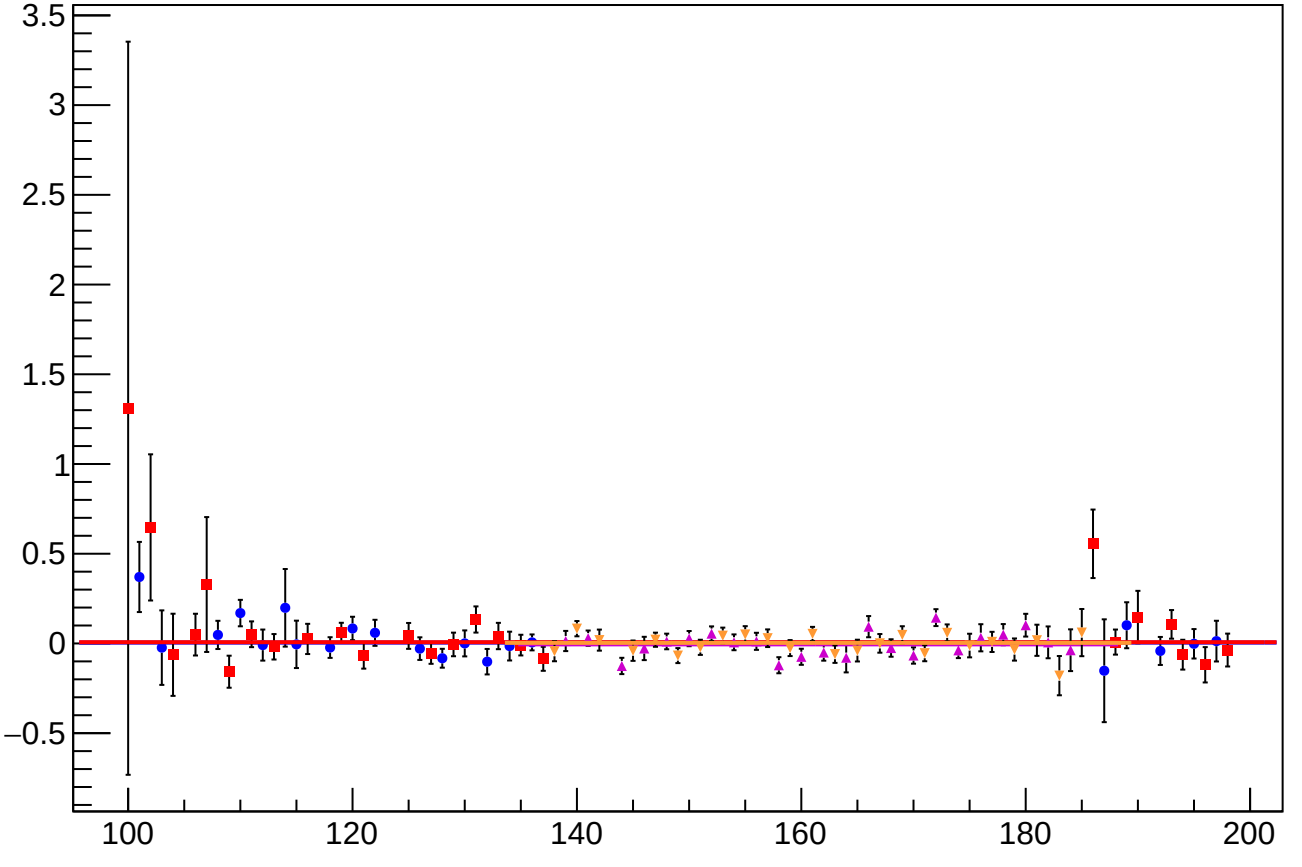
Right: 47.738+/-0.008 χ^2/NDF: 5552073.5/45

In: 42.712+/-0.006 χ^2/NDF:3719307.5/43

Out: 42.615+/-0.006 χ^2/NDF:4768196.3/48

All: 42.663+/-0.004 χ^2/NDF: 8487624.6/92

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.017 χ^2/NDF: 18.5/20

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.007+/-0.016 χ^2/NDF: 29.6/24

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

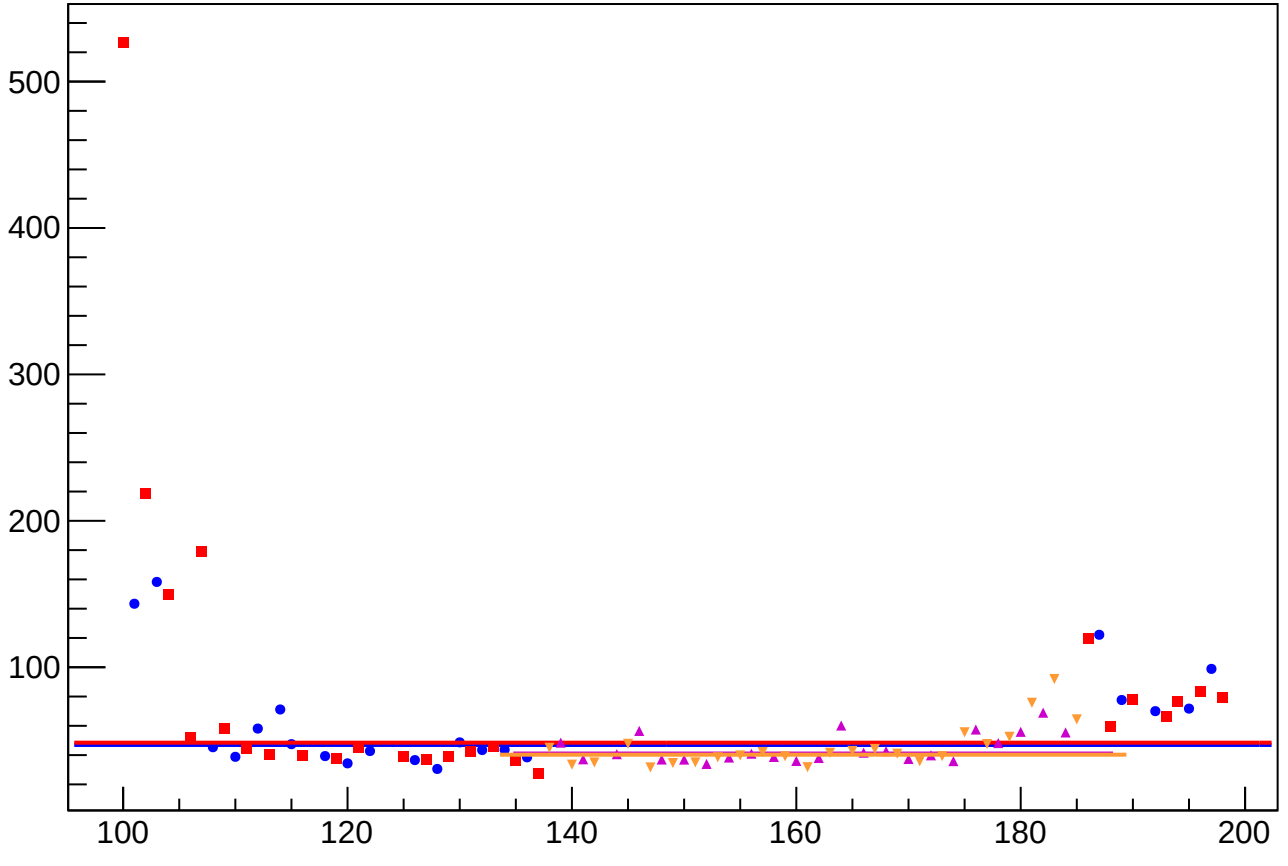
Right: 0.006+/-0.012 χ^2/NDF: 48.1/45

In: -0.002+/-0.009 χ^2/NDF:60.1/43

Out: 0.004+/-0.009 χ^2/NDF:51.5/48

All: 0.001+/-0.006 χ^2/NDF: 111.9/92

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.932+/-0.012 χ^2/NDF: 2621477.8/20

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 48.494+/-0.012 χ^2/NDF: 2921865.5/24

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

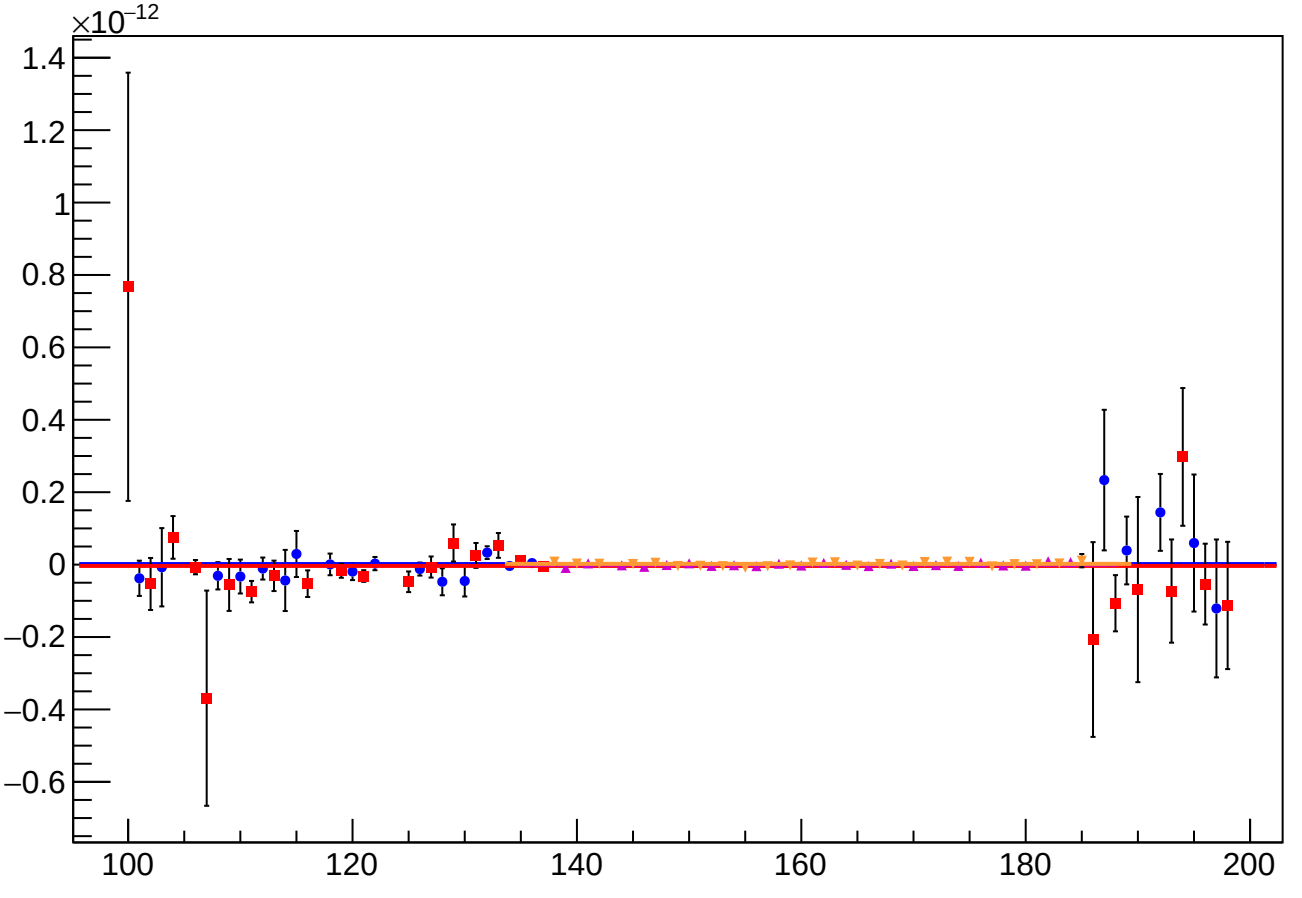
Right: 47.738+/-0.008 χ^2/NDF: 5552073.5/45

In: 42.712+/-0.006 χ^2/NDF:3719307.5/43

Out: 42.615+/-0.006 χ^2/NDF:4768196.3/48

All: 42.663+/-0.004 χ^2/NDF: 8487624.6/92

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: 14.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 34.6/24

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

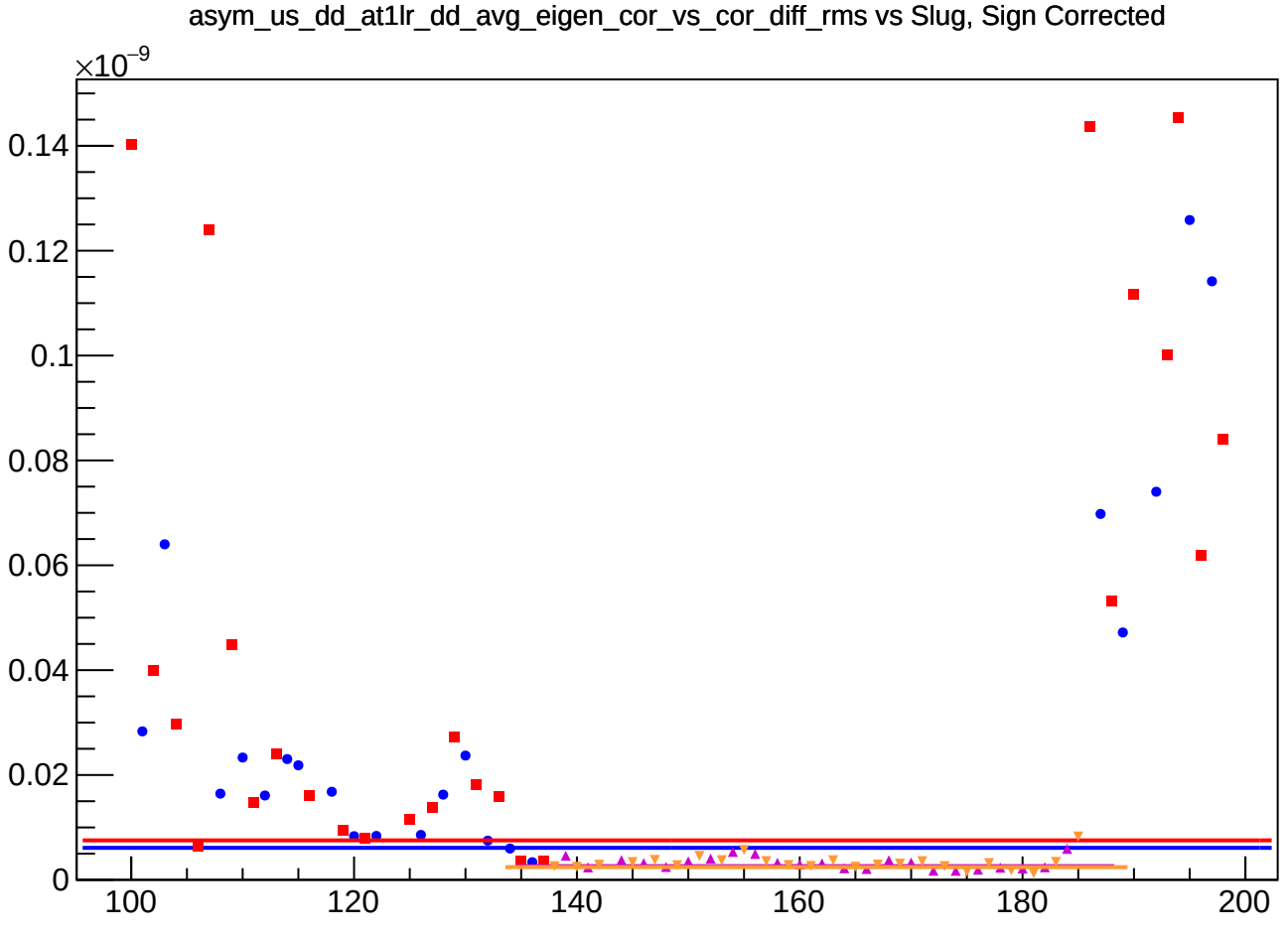
Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

Right: -0.000+/-0.000 χ^2/NDF: 49.7/45

In: -0.000+/-0.000 χ^2/NDF:37.8/43

Out: 0.000+/-0.000 χ^2/NDF:61.1/48

All: 0.000+/-0.000 χ^2/NDF: 102.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 6169734.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:2792453.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8104555.0/24

Left In: 0.000+/-0.000 χ^2/NDF:1949059.2/22

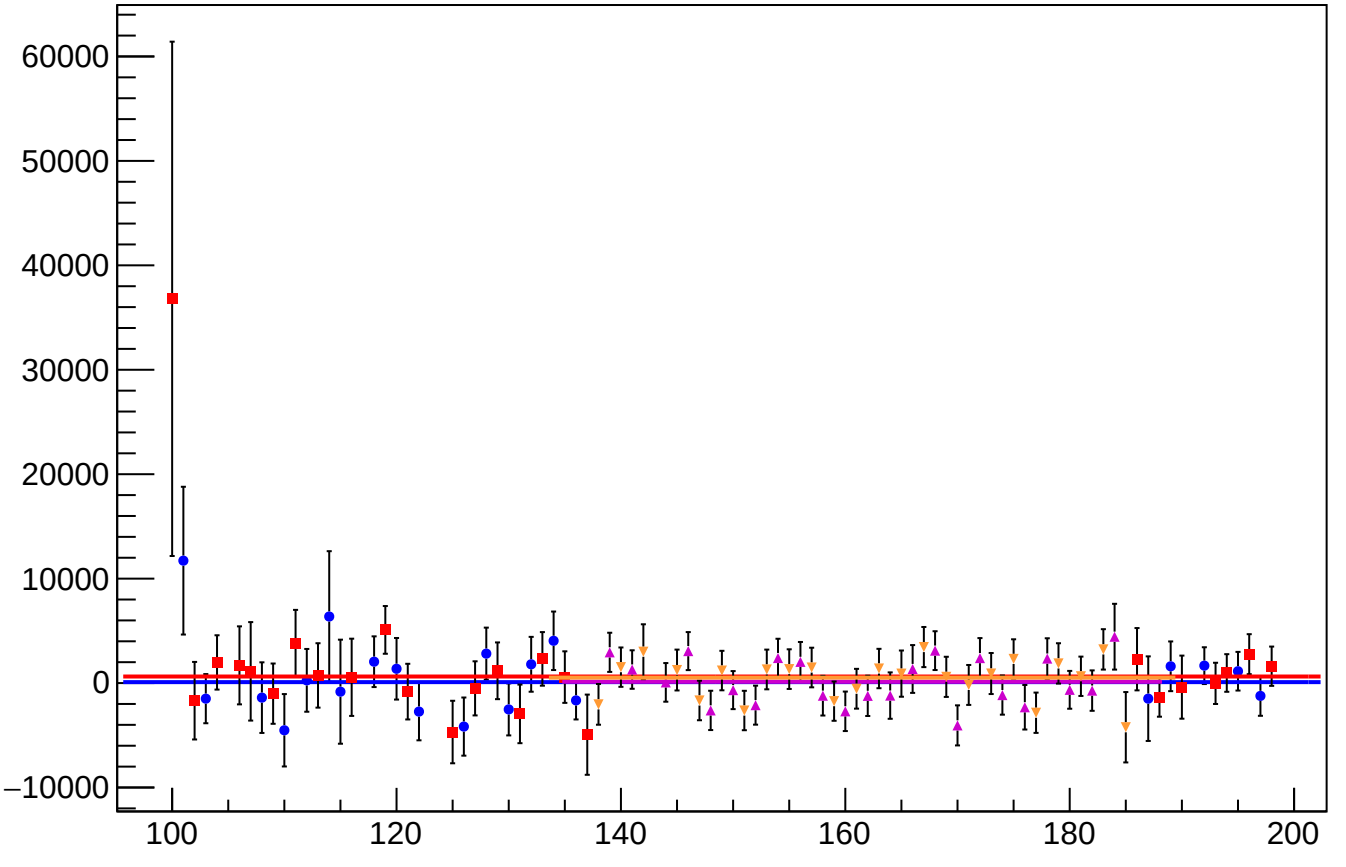
Left: 0.000+/-0.000 χ^2/NDF: 4793027.5/46

Right: 0.000+/-0.000 χ^2/NDF: 14382564.5/45

In: 0.000+/-0.000 χ^2/NDF:9636080.6/43

Out: 0.000+/-0.000 χ^2/NDF:13167642.4/48

All: 0.000+/-0.000 χ^2/NDF: 22865002.8/92



Right In: 89.773+/-566.554 χ^2/NDF: 18.2/20

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: 627.715+/-526.743 χ^2/NDF: 19.1/24

Left In: 126.031+/-404.630 χ^2/NDF:29.5/22

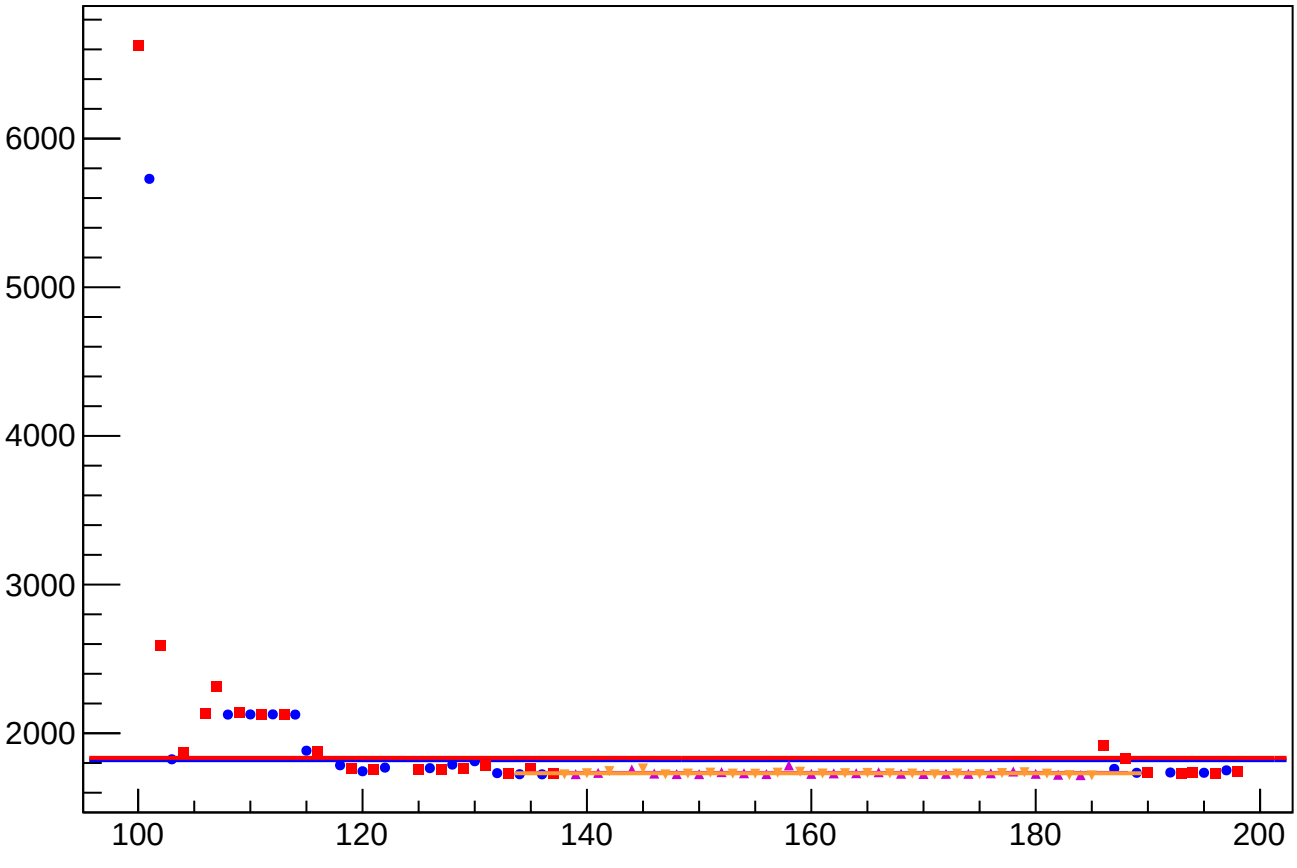
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 378.306+/-385.770 χ^2/NDF: 37.8/45

In: 113.783+/-329.275 χ^2/NDF:47.6/43

Out: 559.565+/-319.419 χ^2/NDF:39.9/48

All: 343.446+/-229.268 χ^2/NDF: 88.5/92



Right In: 1818.901+/-0.401 χ^2/NDF: 696768.5/20

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1834.496+/-0.372 χ^2/NDF: 291595.0/24

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

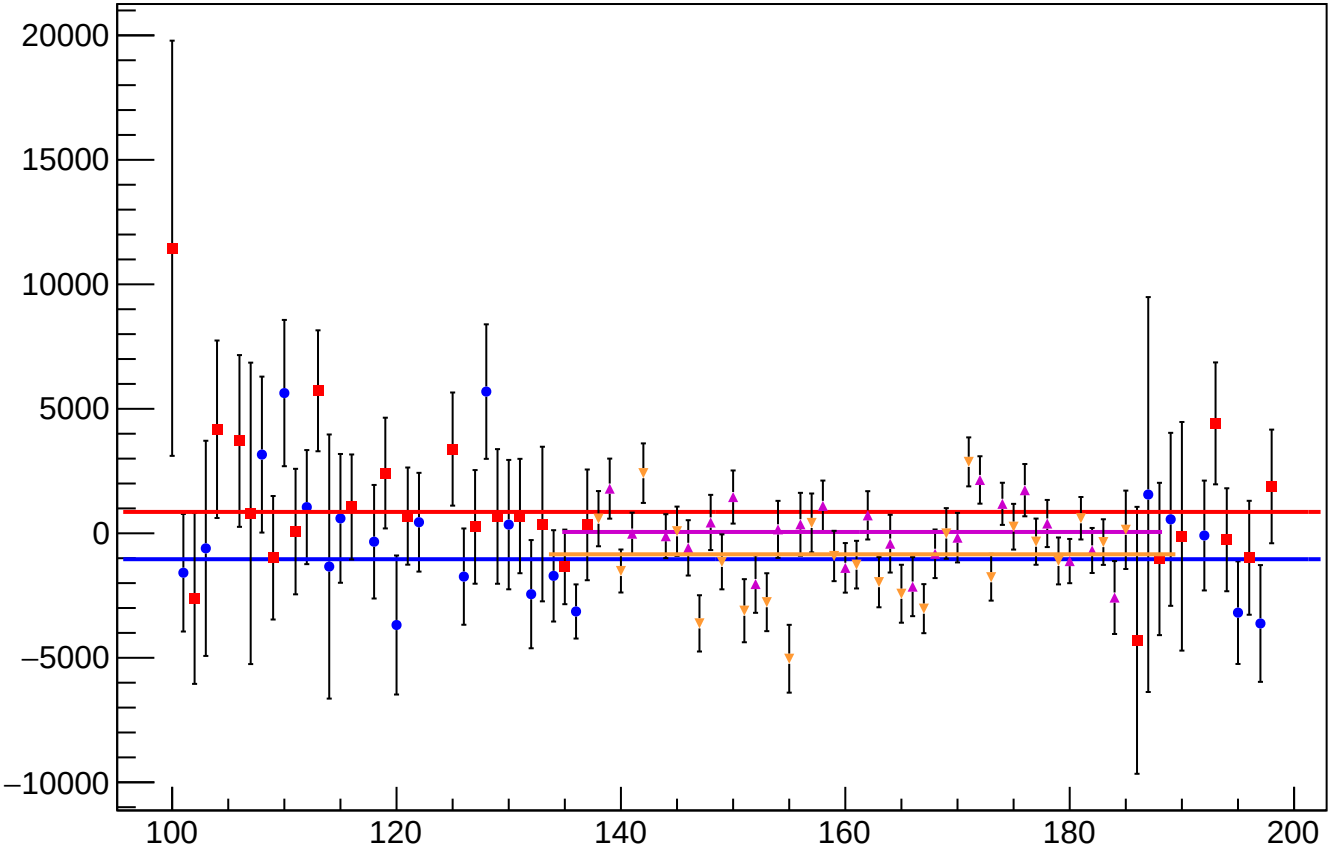
Right: 1827.266+/-0.273 χ^2/NDF: 989176.3/45

In: 1762.020+/-0.233 χ^2/NDF:729447.7/43

Out: 1768.961+/-0.226 χ^2/NDF:341528.1/48

All: 1765.596+/-0.162 χ^2/NDF: 1071433.6/92

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1040.279+/-498.145 χ^2/NDF: 23.5/20

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: 858.987+/-506.031 χ^2/NDF: 17.5/24

Left In: 53.905+/-212.966 χ^2/NDF:30.6/22

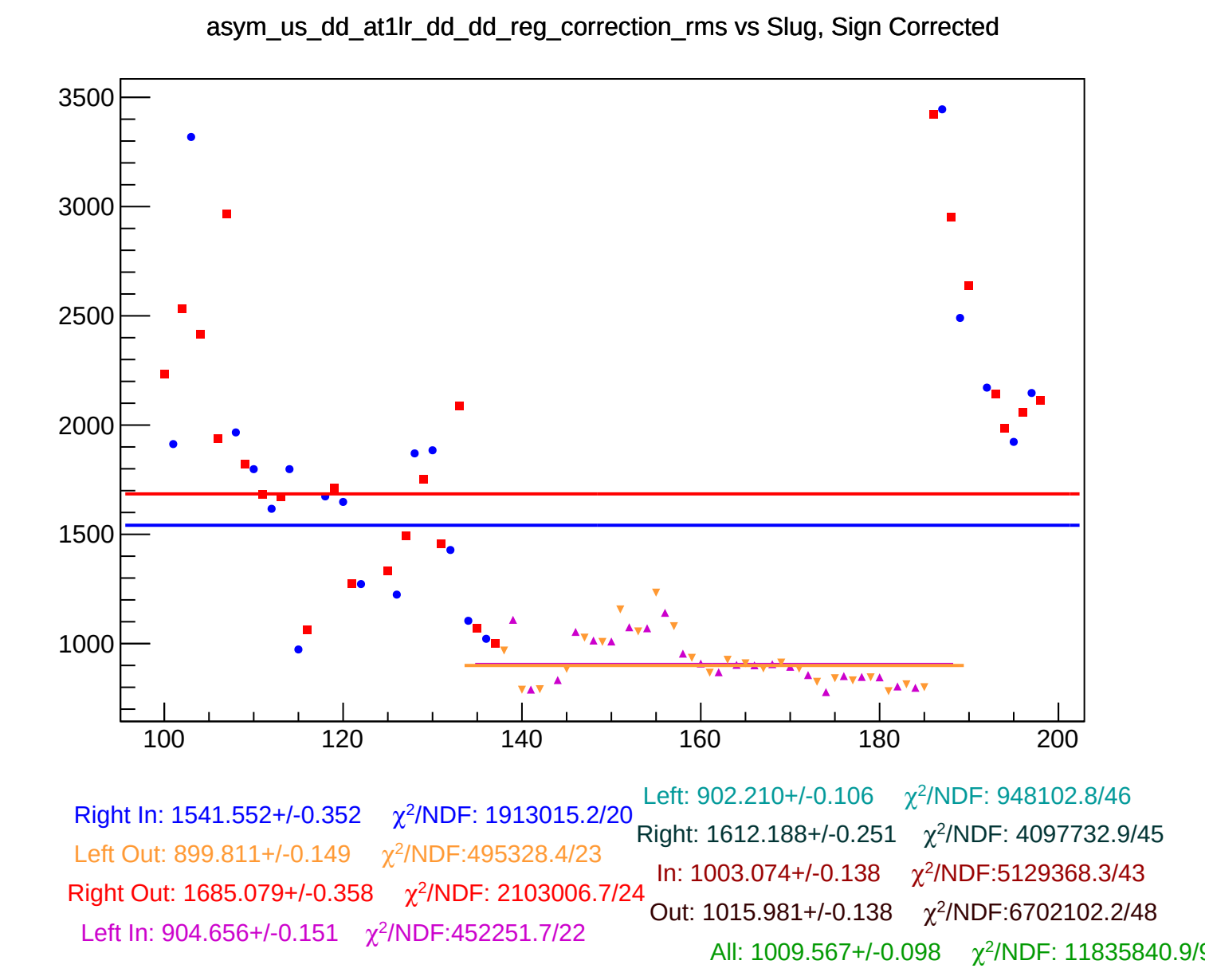
Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

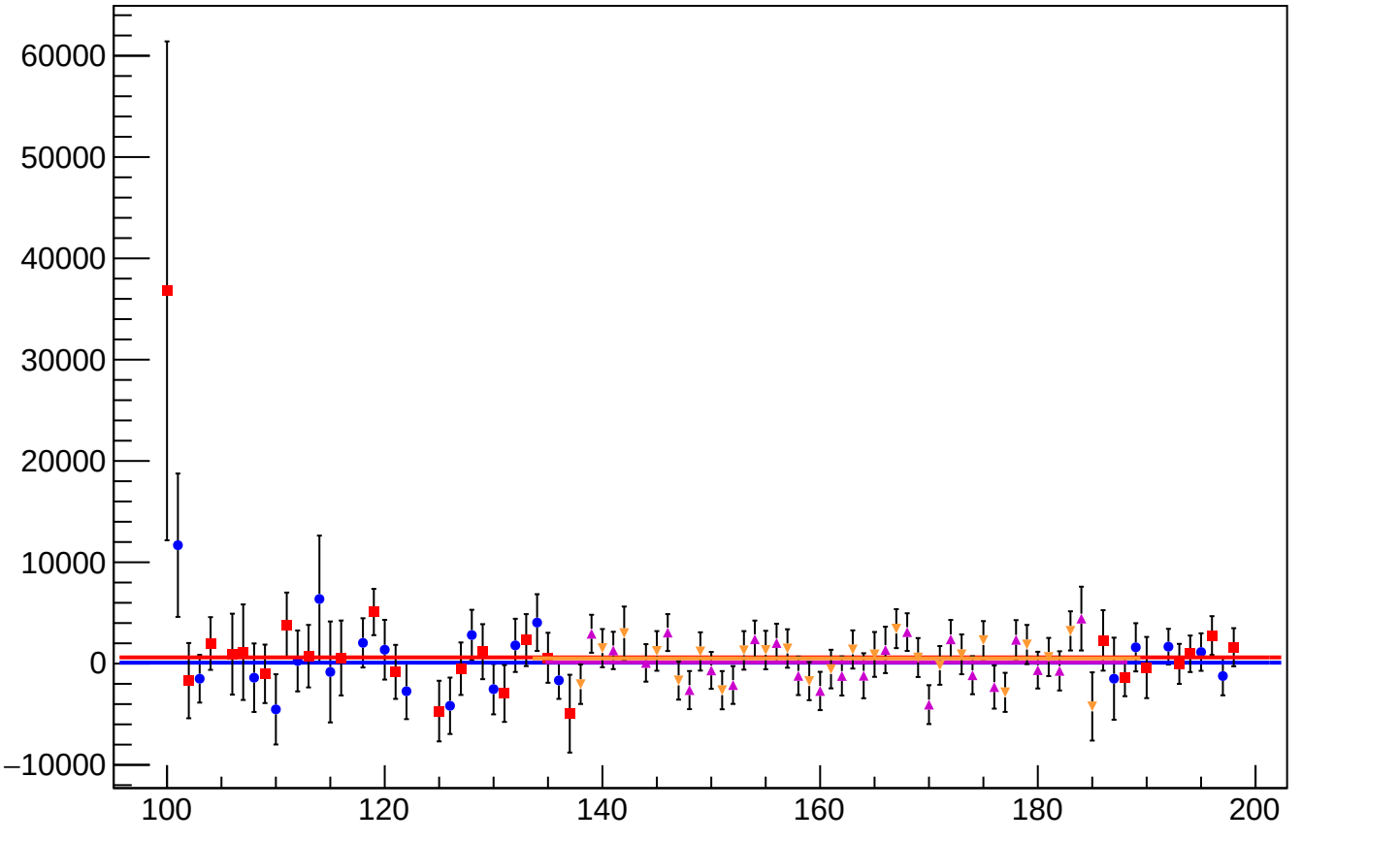
Right: -105.561+/-354.997 χ^2/NDF: 48.2/45

In: -115.177+/-195.821 χ^2/NDF:58.2/43

Out: -590.735+/-194.632 χ^2/NDF:89.9/48

All: -354.405+/-138.044 χ^2/NDF: 151.1/92


asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
Right In: 1541.552+/-0.352 χ²/NDF: 1913015.2/20
Left Out: 899.811+/-0.149 χ²/NDF:495328.4/23
Right Out: 1685.079+/-0.358 χ²/NDF: 2103006.7/24
Left In: 904.656+/-0.151 χ²/NDF:452251.7/22
Left: 902.210+/-0.106 χ²/NDF: 948102.8/46
Right: 1612.188+/-0.251 χ²/NDF: 4097732.9/45
In: 1003.074+/-0.138 χ²/NDF:5129368.3/43
Out: 1015.981+/-0.138 χ²/NDF:6702102.2/48
All: 1009.567+/-0.098 χ²/NDF: 11835840.9/9



Right In: 89.352+/-566.554 χ^2/NDF: 18.2/20

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 611.985+/-527.400 χ^2/NDF: 19.0/24

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

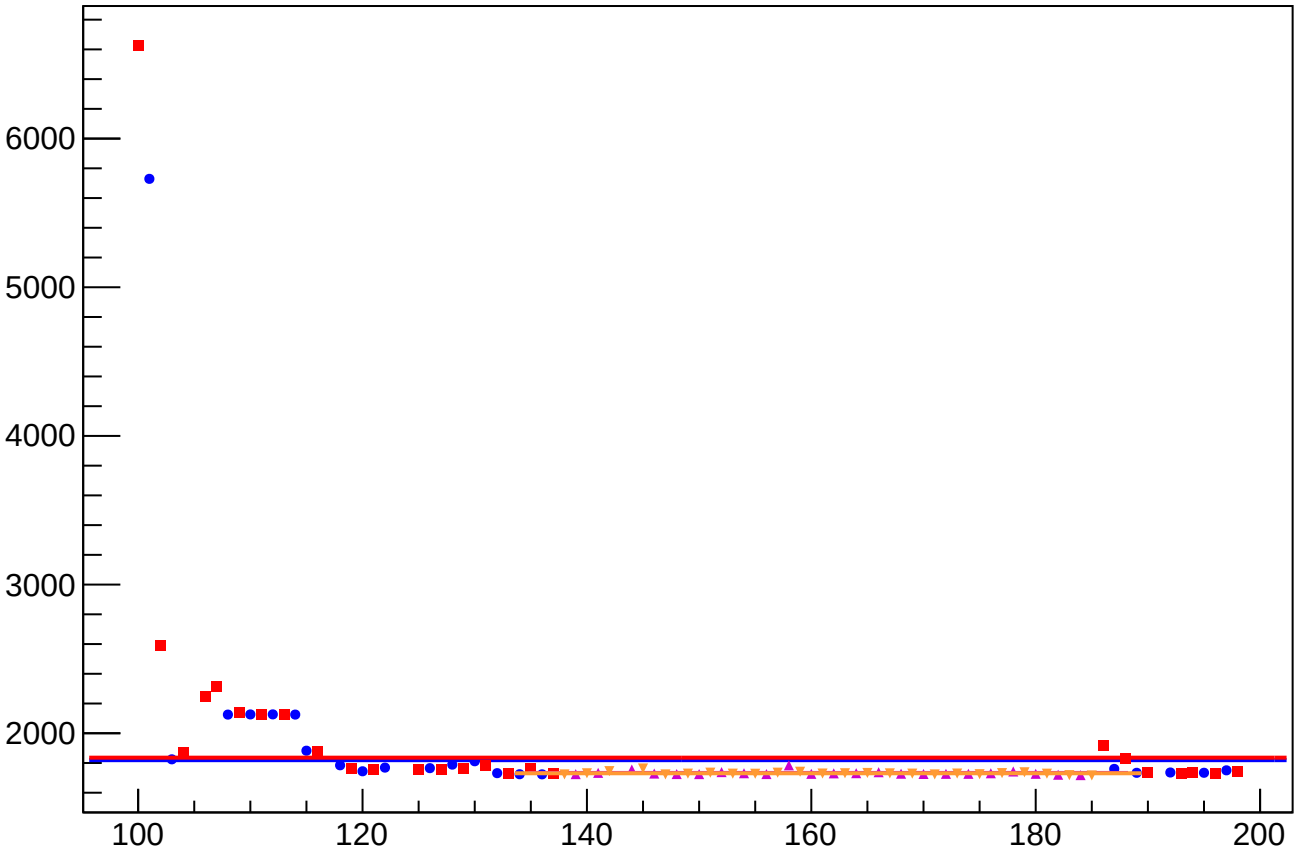
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 369.350+/-386.029 χ^2/NDF: 37.7/45

In: 113.682+/-329.275 χ^2/NDF:47.6/43

Out: 553.744+/-319.565 χ^2/NDF:39.8/48

All: 340.297+/-229.323 χ^2/NDF: 88.4/92



Right In: 1818.901+/-0.401 χ^2/NDF: 696768.3/20

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1835.787+/-0.373 χ^2/NDF: 300413.3/24

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

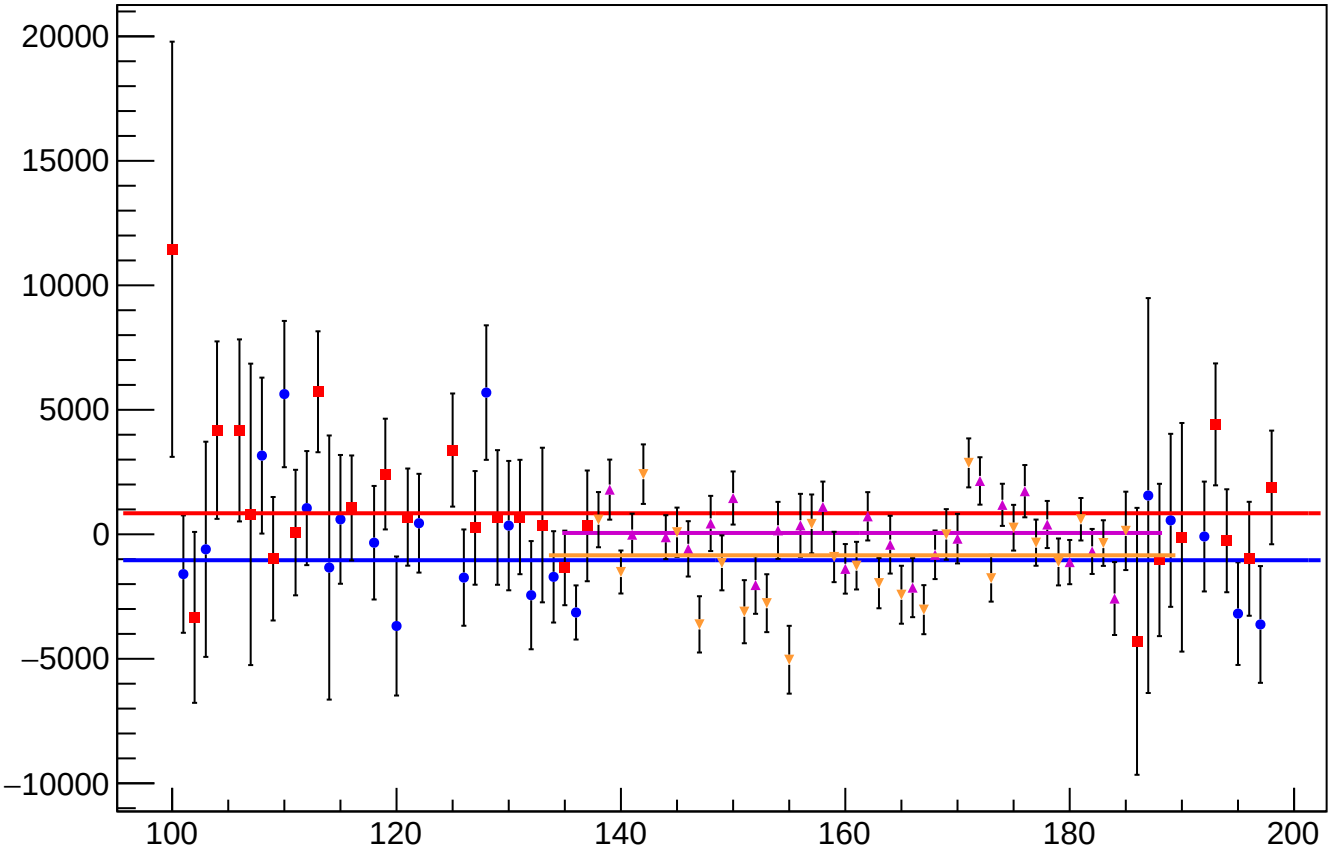
Right: 1827.947+/-0.273 χ^2/NDF: 998133.4/45

In: 1762.020+/-0.233 χ^2/NDF:729447.5/43

Out: 1769.375+/-0.226 χ^2/NDF:351493.9/48

All: 1765.808+/-0.162 χ^2/NDF: 1081455.3/92

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -1040.874+/-498.113 χ^2/NDF: 23.5/20

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 845.603+/-506.629 χ^2/NDF: 18.1/24

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

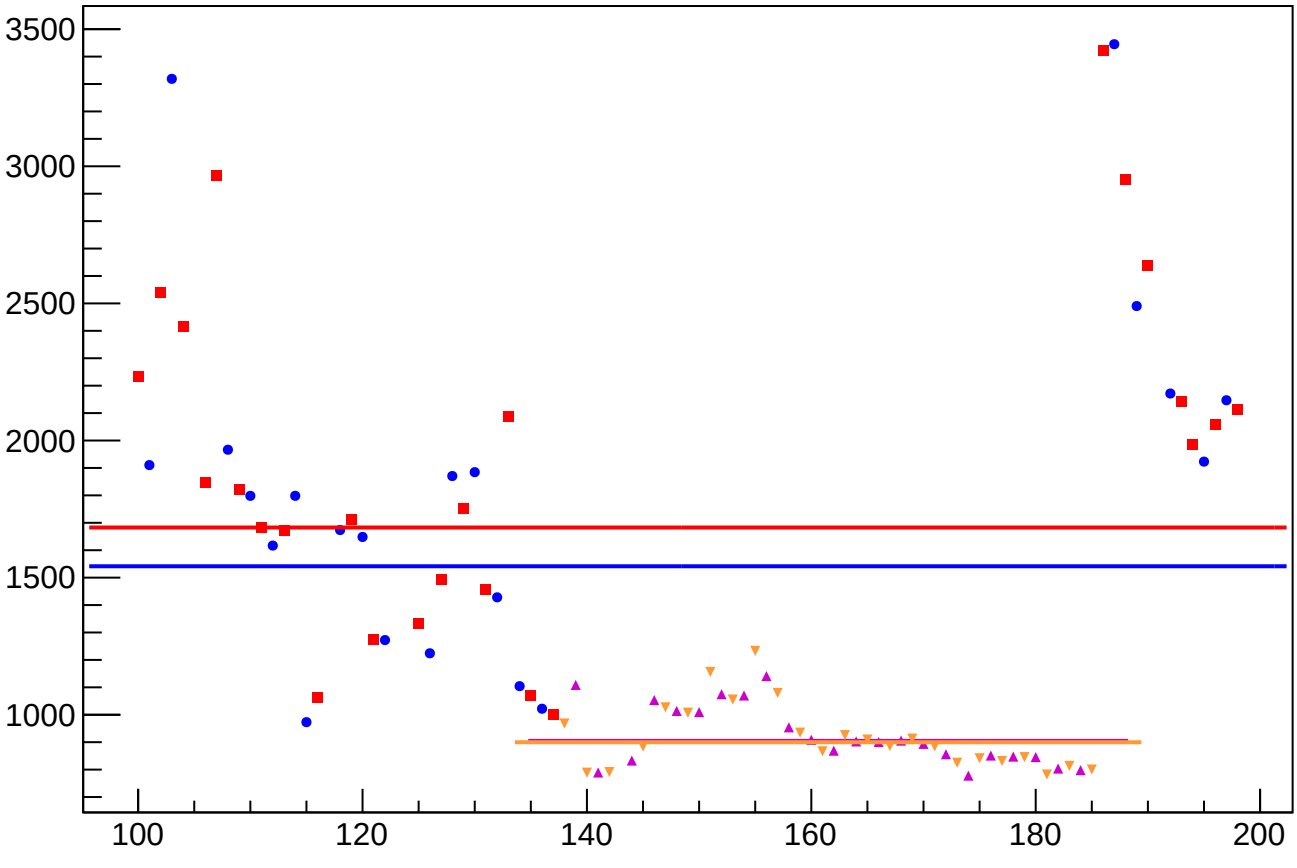
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: -113.624+/-355.192 χ^2/NDF: 48.7/45

In: -115.268+/-195.819 χ^2/NDF:58.2/43

Out: -593.247+/-194.666 χ^2/NDF:90.3/48

All: -355.668+/-138.056 χ^2/NDF: 151.5/92



Right In: 1541.471+/-0.352 χ^2/NDF: 1912523.7/20

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1682.775+/-0.358 χ^2/NDF: 2097643.9/24

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

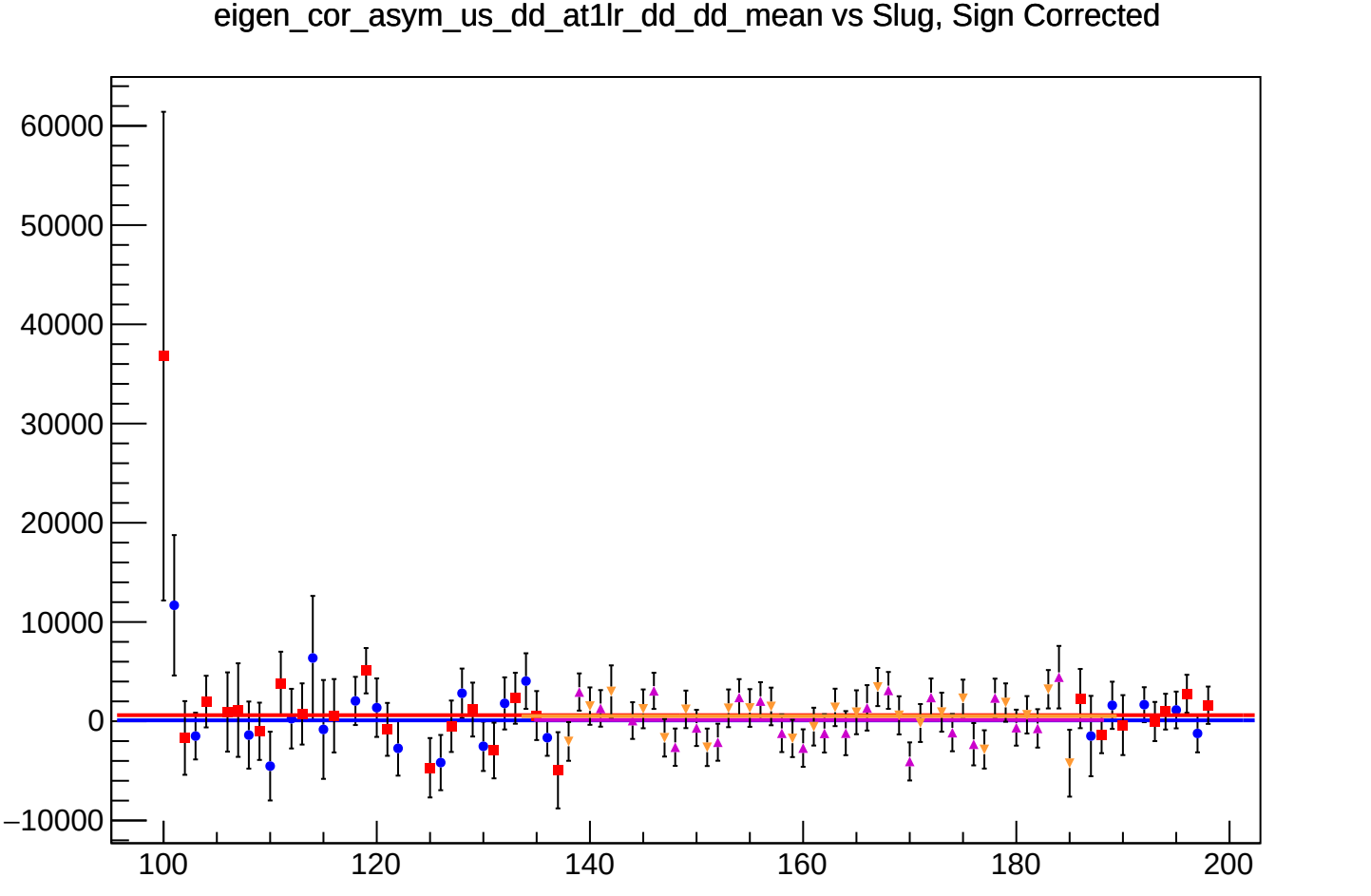
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

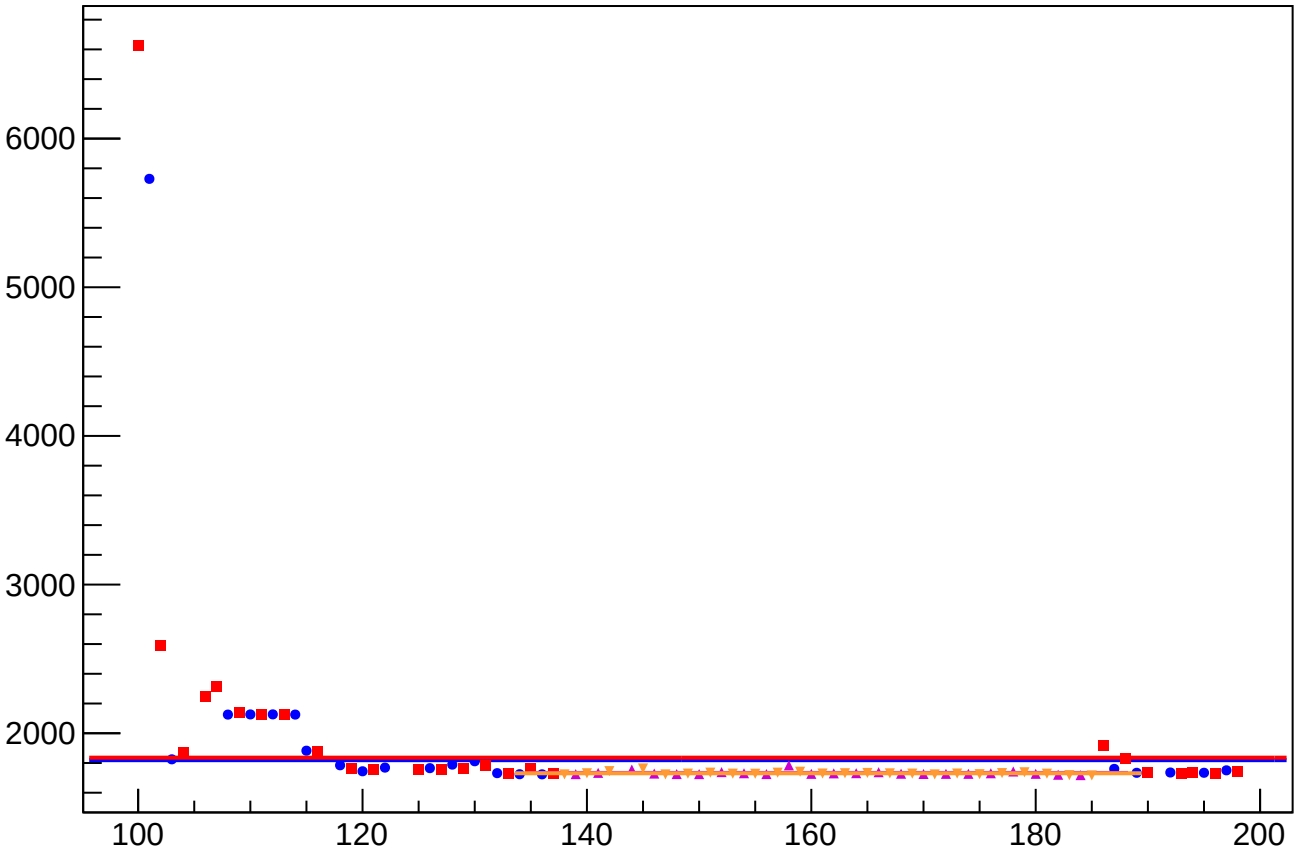
Right: 1610.925+/-0.251 χ^2/NDF: 4089276.9/45

In: 1003.069+/-0.138 χ^2/NDF:5128512.4/43

Out: 1015.410+/-0.138 χ^2/NDF:6664404.5/48

All: 1009.276+/-0.098 χ^2/NDF: 11796911.9/9


eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
Right In: 89.352+/-566.554 χ²/NDF: 18.2/20
Left Out: 519.957+/-401.705 χ²/NDF:20.8/23
Right Out: 611.985+/-527.400 χ²/NDF: 19.0/24
Left In: 126.091+/-404.630 χ²/NDF:29.5/22
Left: 324.453+/-285.077 χ²/NDF: 50.7/46
Right: 369.350+/-386.029 χ²/NDF: 37.7/45
In: 113.682+/-329.275 χ²/NDF:47.6/43
Out: 553.744+/-319.565 χ²/NDF:39.8/48
All: 340.297+/-229.323 χ²/NDF: 88.4/92



Right In: 1818.901+/-0.401 χ^2/NDF: 696768.3/20

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1835.787+/-0.373 χ^2/NDF: 300413.3/24

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

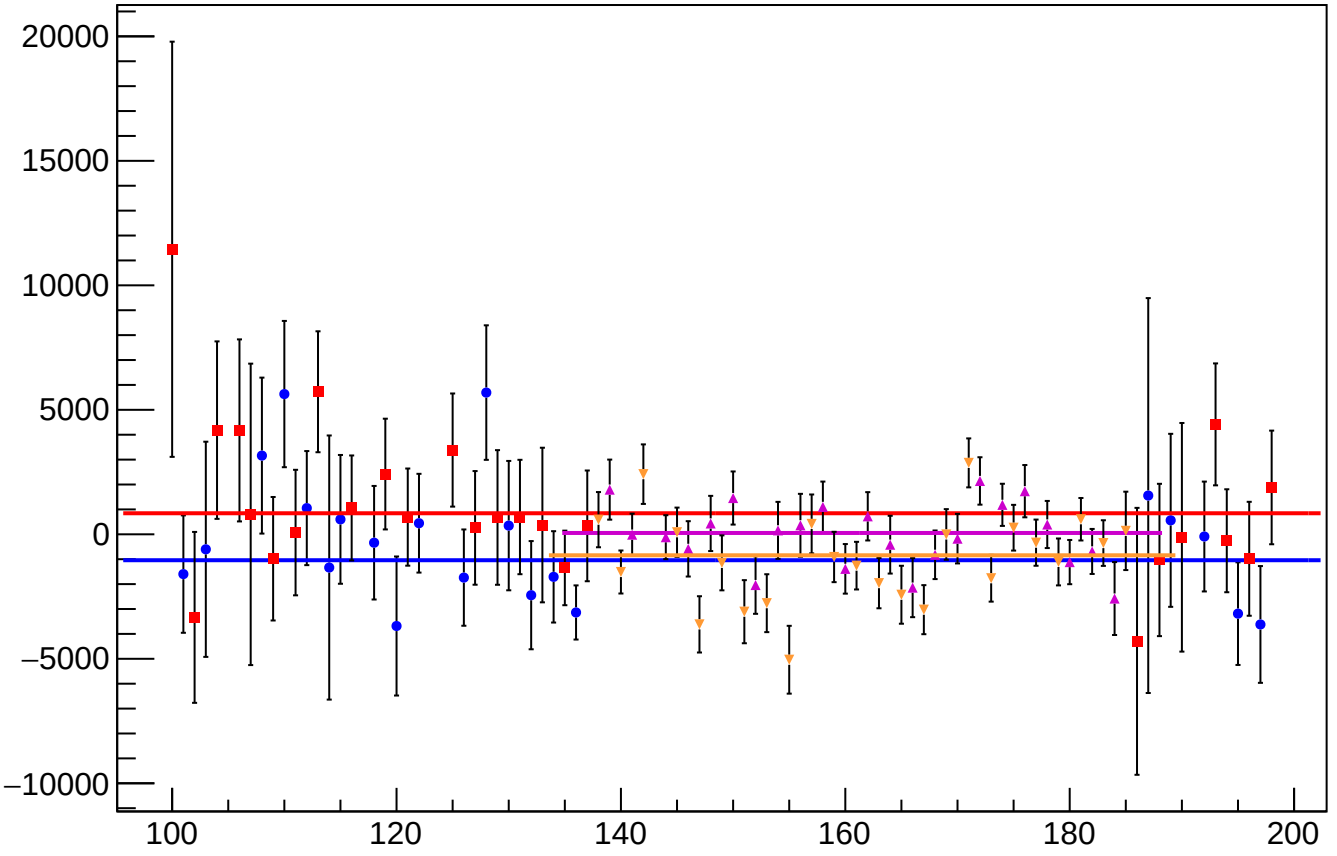
Right: 1827.947+/-0.273 χ^2/NDF: 998133.4/45

In: 1762.020+/-0.233 χ^2/NDF:729447.5/43

Out: 1769.375+/-0.226 χ^2/NDF:351493.9/48

All: 1765.808+/-0.162 χ^2/NDF: 1081455.3/92

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1040.874+/-498.113 χ^2/NDF: 23.5/20

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 845.603+/-506.629 χ^2/NDF: 18.1/24

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

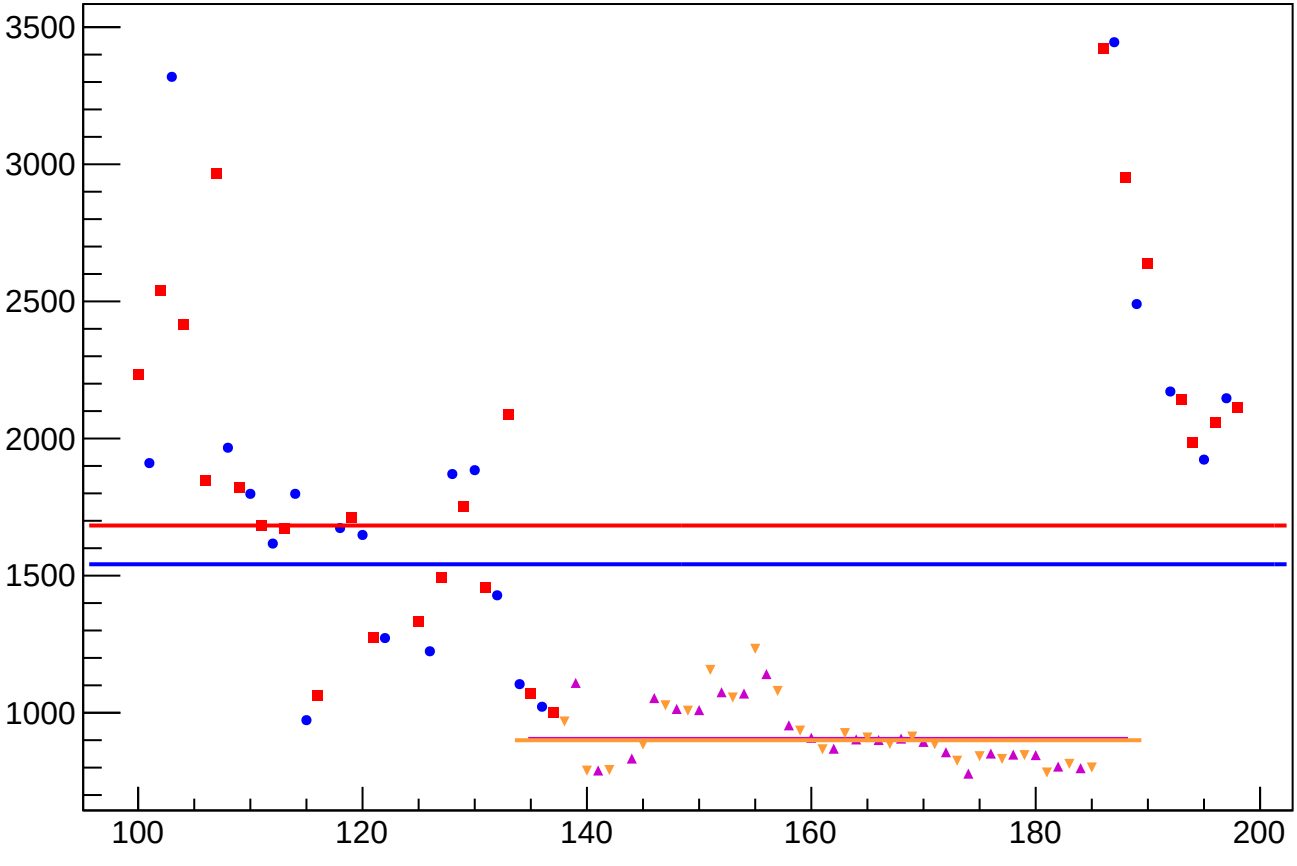
Right: -113.624+/-355.192 χ^2/NDF: 48.7/45

In: -115.268+/-195.819 χ^2/NDF:58.2/43

Out: -593.247+/-194.666 χ^2/NDF:90.3/48

All: -355.668+/-138.056 χ^2/NDF: 151.5/92

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1541.471+/-0.352 χ^2/NDF: 1912523.7/20

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1682.775+/-0.358 χ^2/NDF: 2097643.9/24

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

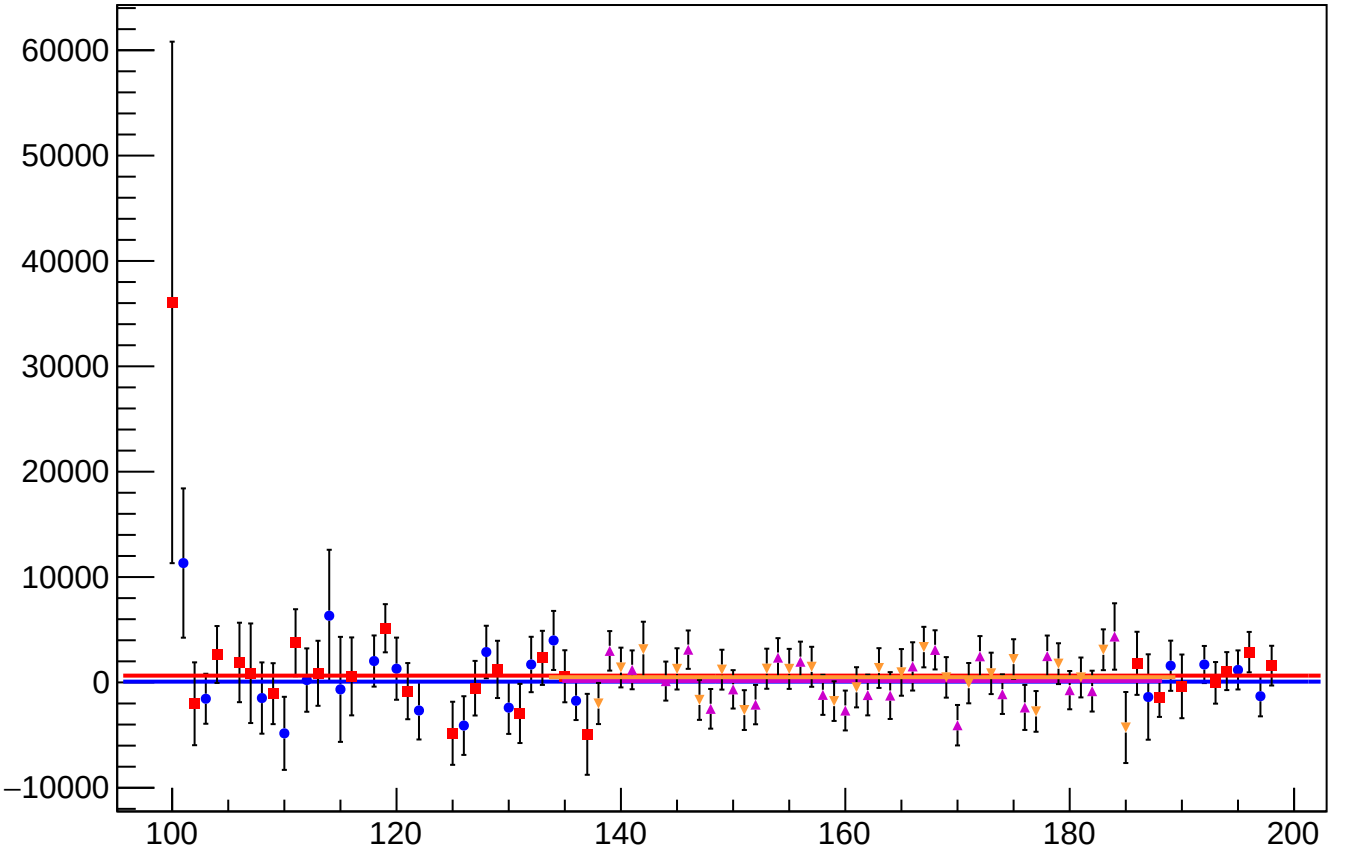
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1610.925+/-0.251 χ^2/NDF: 4089276.9/45

In: 1003.069+/-0.138 χ^2/NDF:5128512.4/43

Out: 1015.410+/-0.138 χ^2/NDF:6664404.5/48

All: 1009.276+/-0.098 χ^2/NDF: 11796911.9/9



Right In: 73.736+/-567.279 χ^2/NDF: 18.1/20

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 644.553+/-528.672 χ^2/NDF: 19.7/24

Left In: 137.162+/-404.995 χ^2/NDF:29.6/22

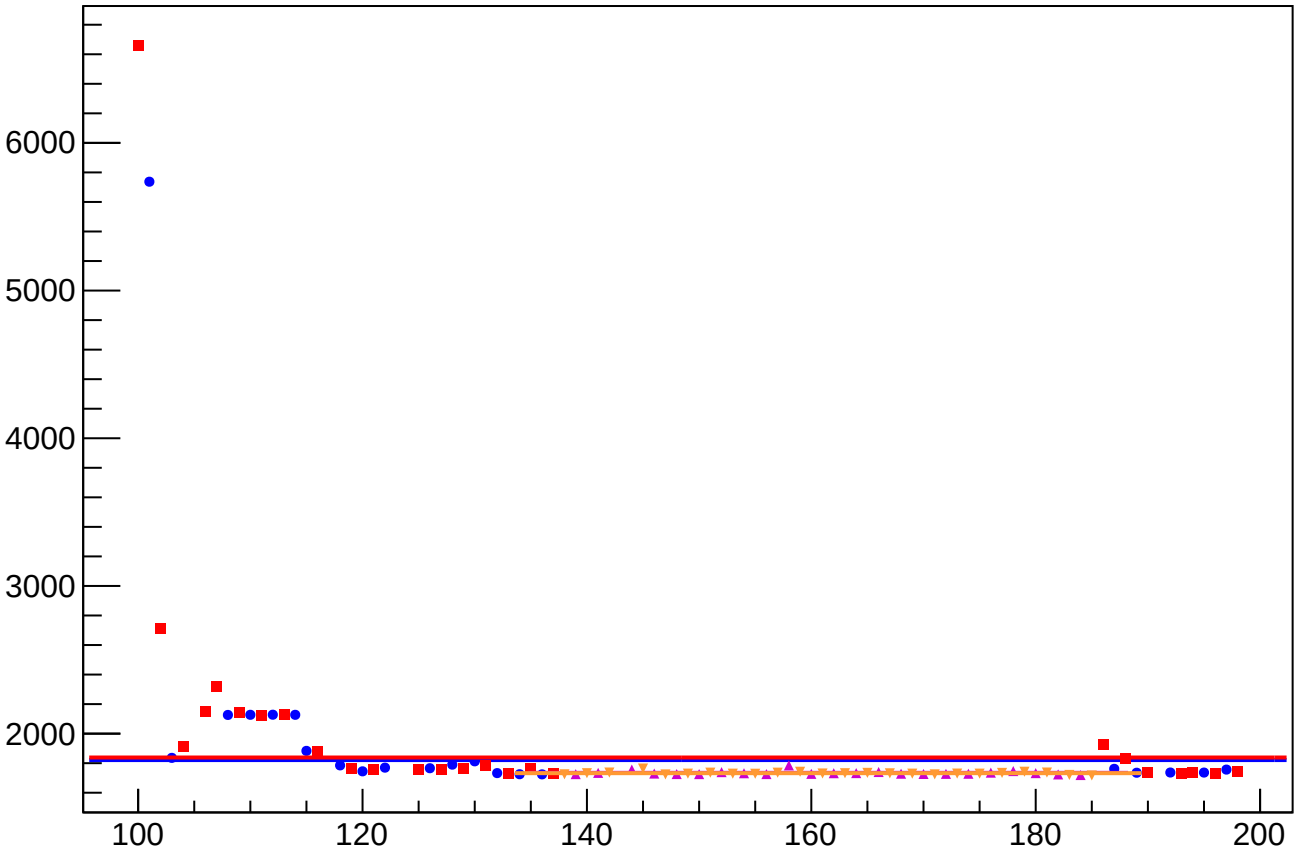
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 379.228+/-386.756 χ^2/NDF: 38.4/45

In: 115.749+/-329.614 χ^2/NDF:47.7/43

Out: 549.738+/-320.031 χ^2/NDF:39.8/48

All: 339.144+/-229.609 χ^2/NDF: 88.4/92



Right In: 1821.038+/-0.401 χ^2/NDF: 696838.4/20

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1838.433+/-0.374 χ^2/NDF: 310785.4/24

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

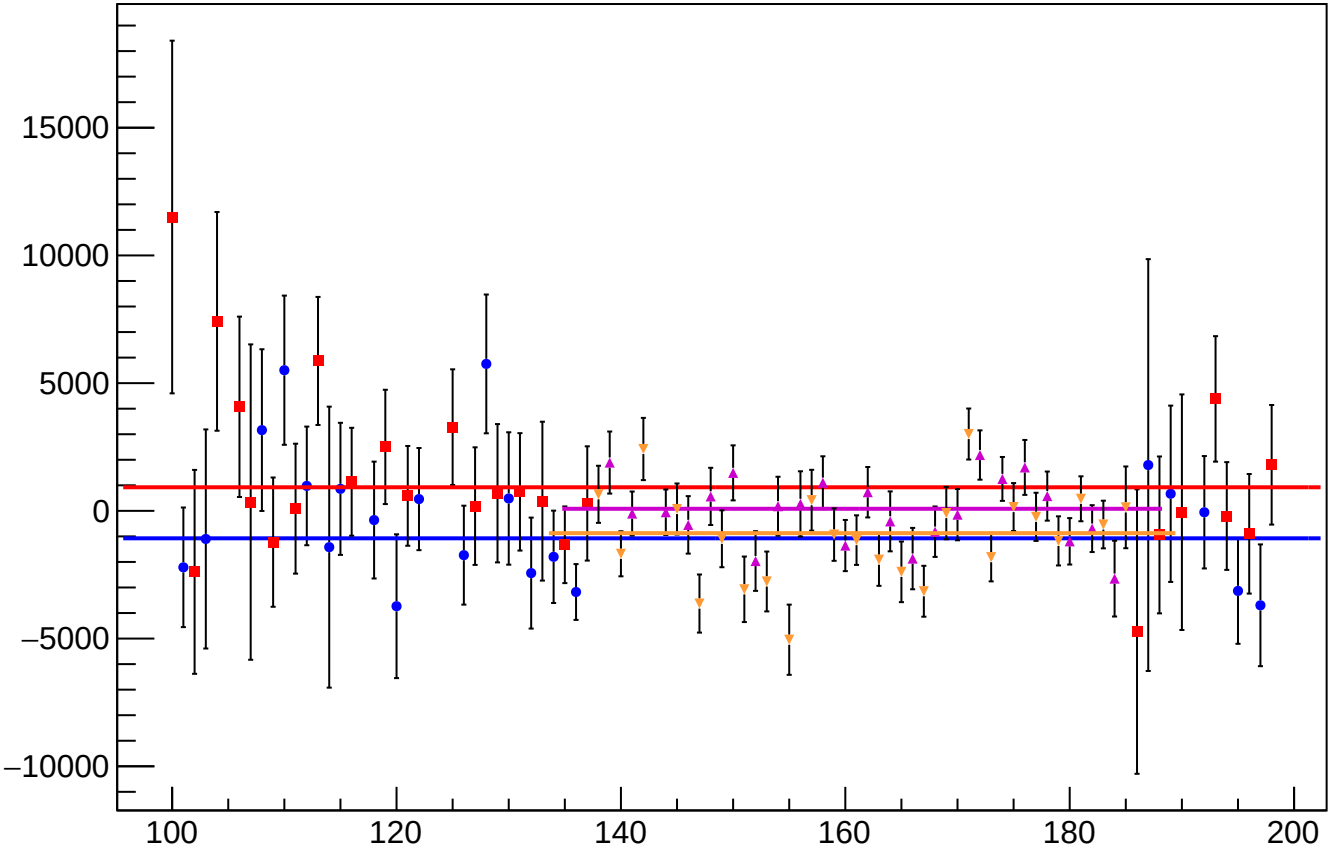
Right: 1830.348+/-0.273 χ^2/NDF: 1008630.3/45

In: 1763.761+/-0.233 χ^2/NDF:729834.9/43

Out: 1771.249+/-0.226 χ^2/NDF:362678.3/48

All: 1767.615+/-0.162 χ^2/NDF: 1093044.4/92

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -1075.041+/-499.311 χ^2/NDF: 23.9/20

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: 923.181+/-513.122 χ^2/NDF: 19.4/24

Left In: 81.519+/-215.913 χ^2/NDF:30.0/22

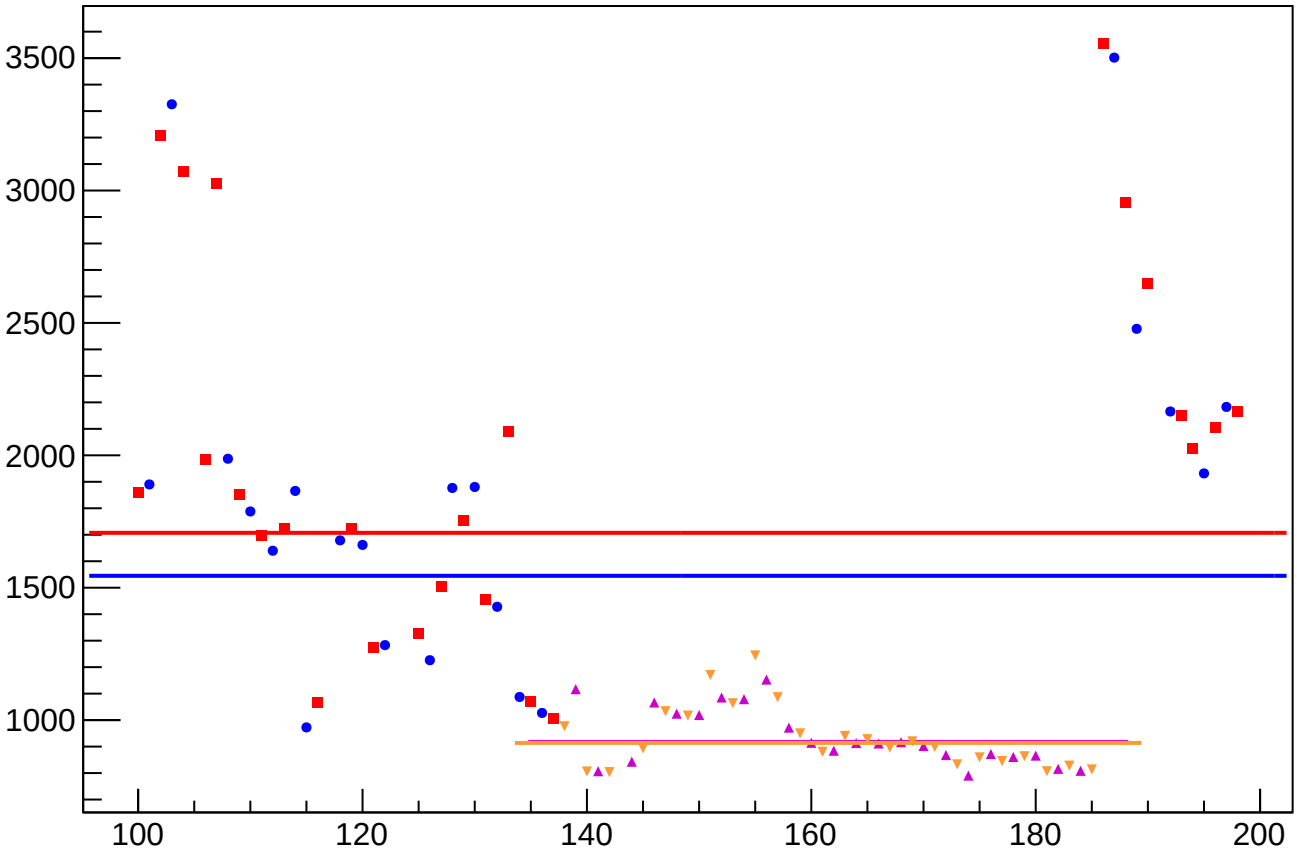
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -103.183+/-357.849 χ^2/NDF: 51.1/45

In: -100.676+/-198.178 χ^2/NDF:58.4/43

Out: -606.707+/-197.517 χ^2/NDF:91.8/48

All: -354.537+/-139.899 χ^2/NDF: 153.5/92



Right In: 1544.982+/-0.353 χ^2/NDF: 1930758.1/20

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1707.295+/-0.363 χ^2/NDF: 2441026.4/24

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

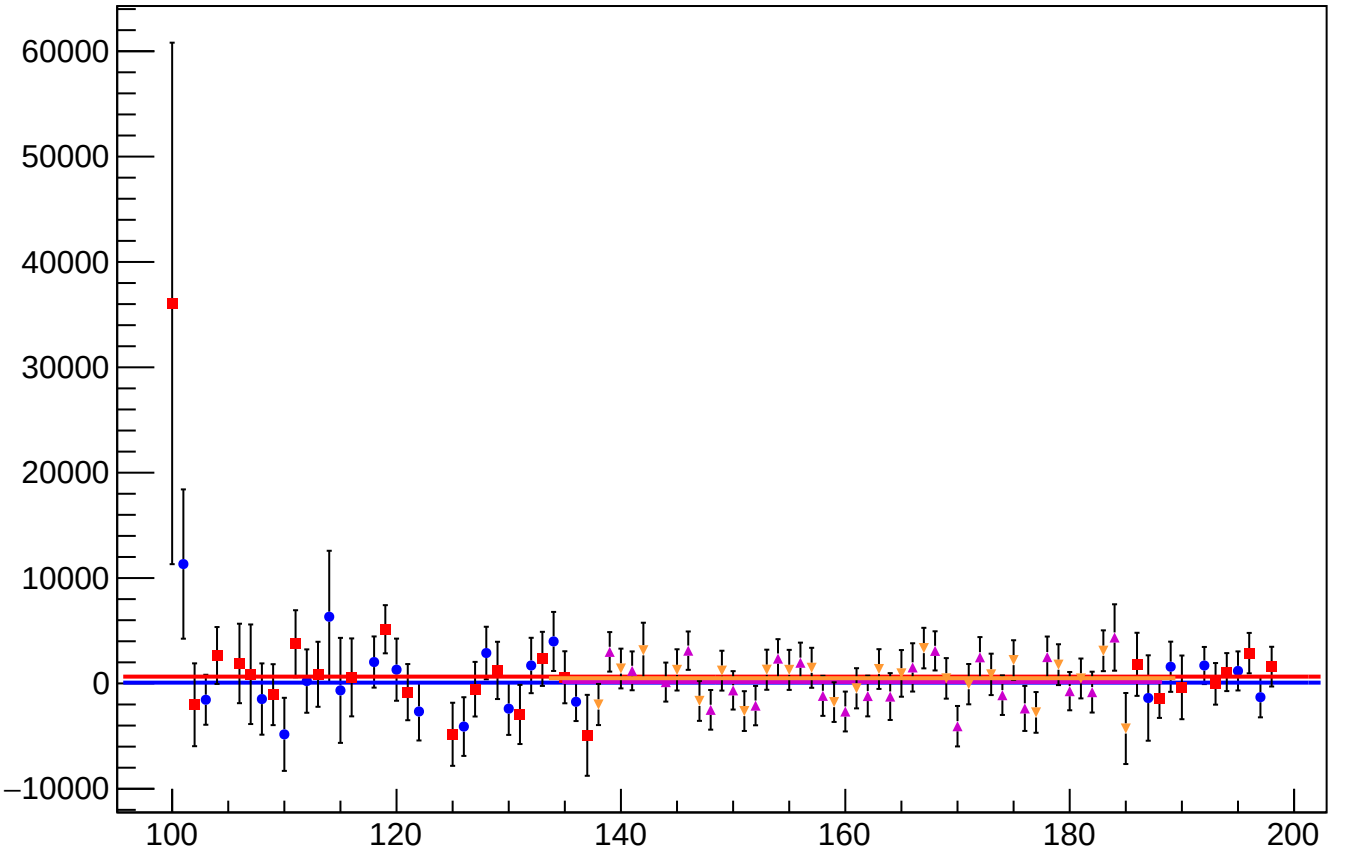
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1623.925+/-0.253 χ^2/NDF: 4474575.7/45

In: 1016.495+/-0.140 χ^2/NDF:5020770.1/43

Out: 1031.459+/-0.140 χ^2/NDF:6976941.1/48

All: 1024.002+/-0.099 χ^2/NDF: 12003431.2/9



Right In: 73.738+/-567.279 χ^2/NDF: 18.1/20

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 644.552+/-528.672 χ^2/NDF: 19.7/24

Left In: 137.163+/-404.995 χ^2/NDF:29.6/22

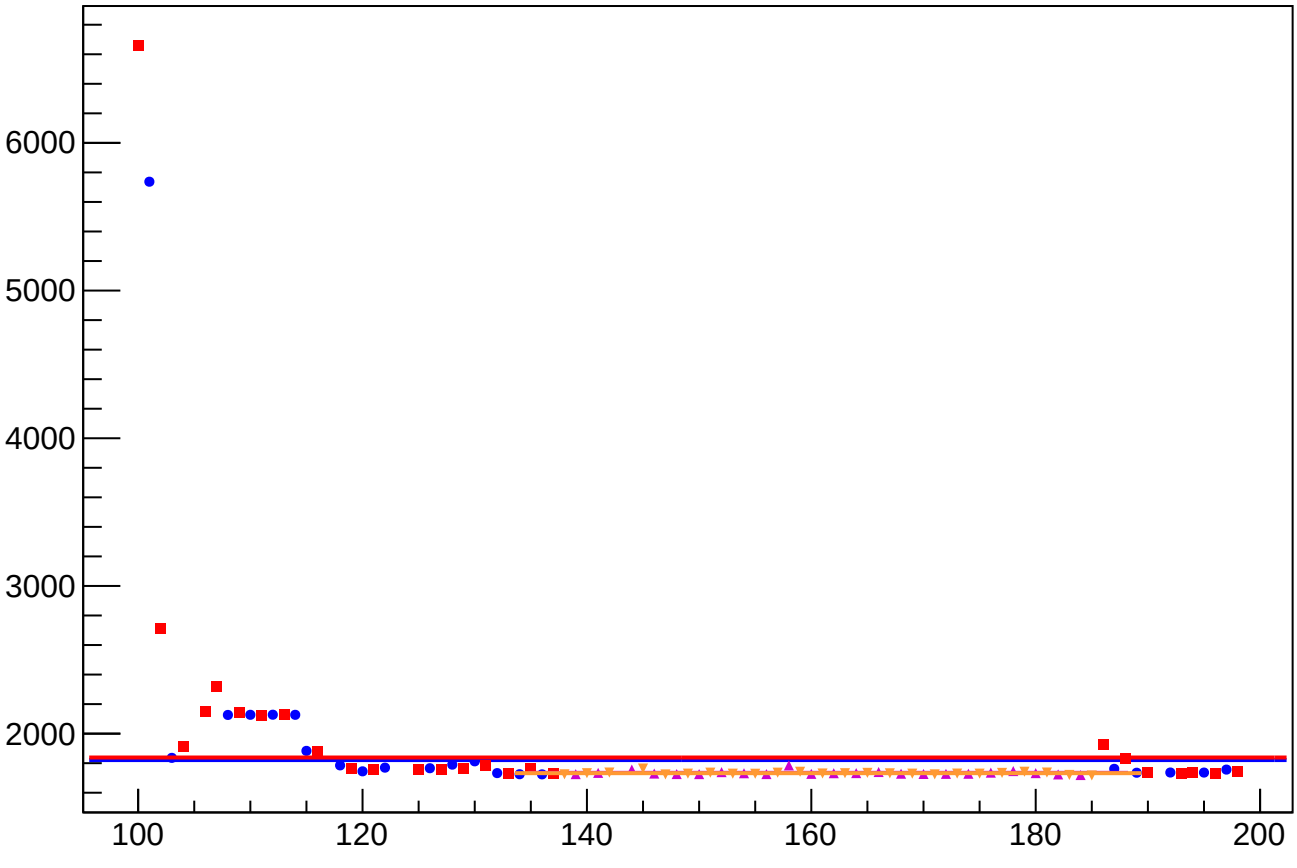
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 379.229+/-386.756 χ^2/NDF: 38.4/45

In: 115.750+/-329.614 χ^2/NDF:47.7/43

Out: 549.738+/-320.031 χ^2/NDF:39.8/48

All: 339.144+/-229.609 χ^2/NDF: 88.4/92



Right In: 1821.038+/-0.401 χ^2/NDF: 696838.4/20

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1838.433+/-0.374 χ^2/NDF: 310785.2/24

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

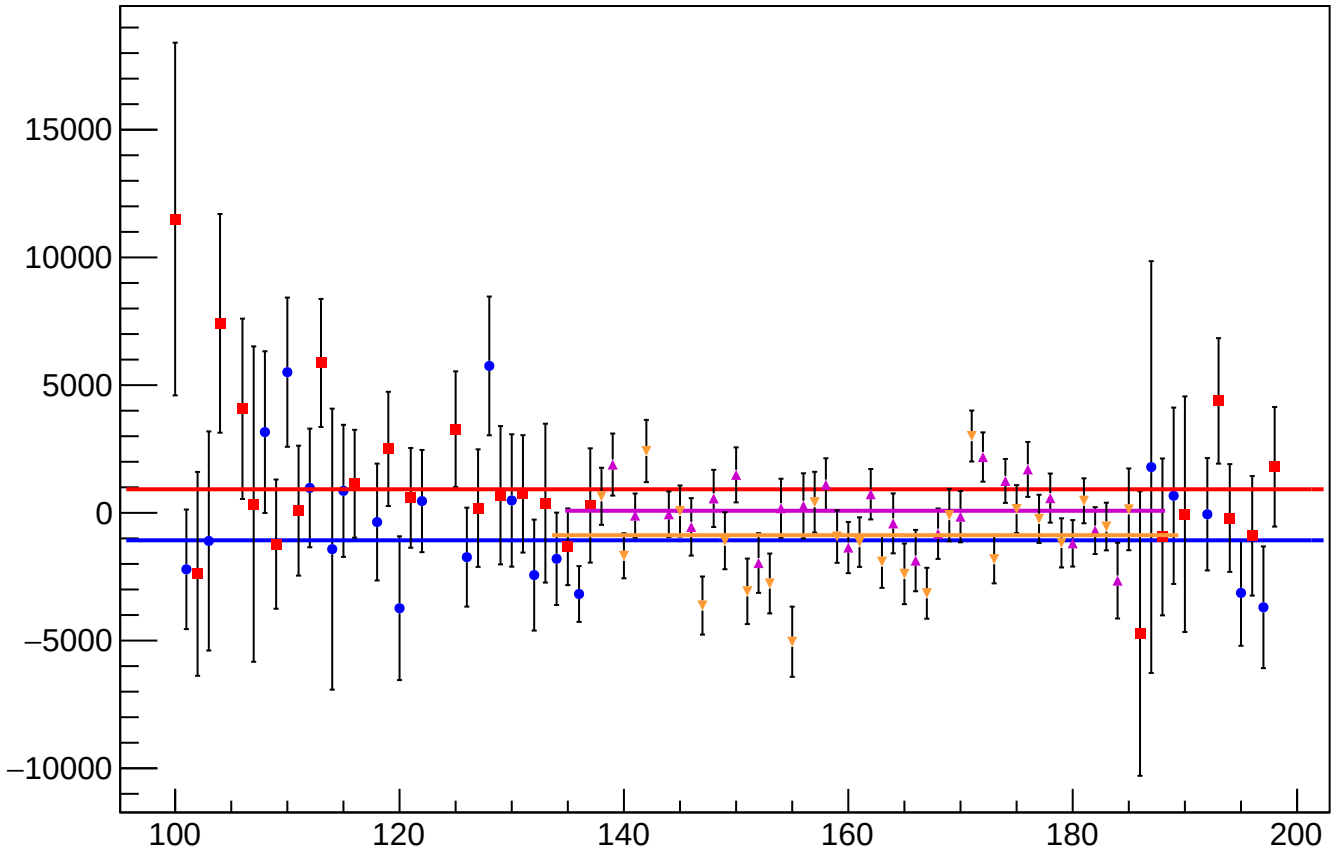
Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

Right: 1830.348+/-0.273 χ^2/NDF: 1008630.1/45

In: 1763.761+/-0.233 χ^2/NDF:729834.9/43

Out: 1771.249+/-0.226 χ^2/NDF:362678.0/48

All: 1767.615+/-0.162 χ^2/NDF: 1093044.1/92



Right In: -1075.036+/-499.310 χ^2/NDF: 23.9/20

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

Right Out: 923.181+/-513.121 χ^2/NDF: 19.4/24

Left In: 81.518+/-215.913 χ^2/NDF:30.0/22

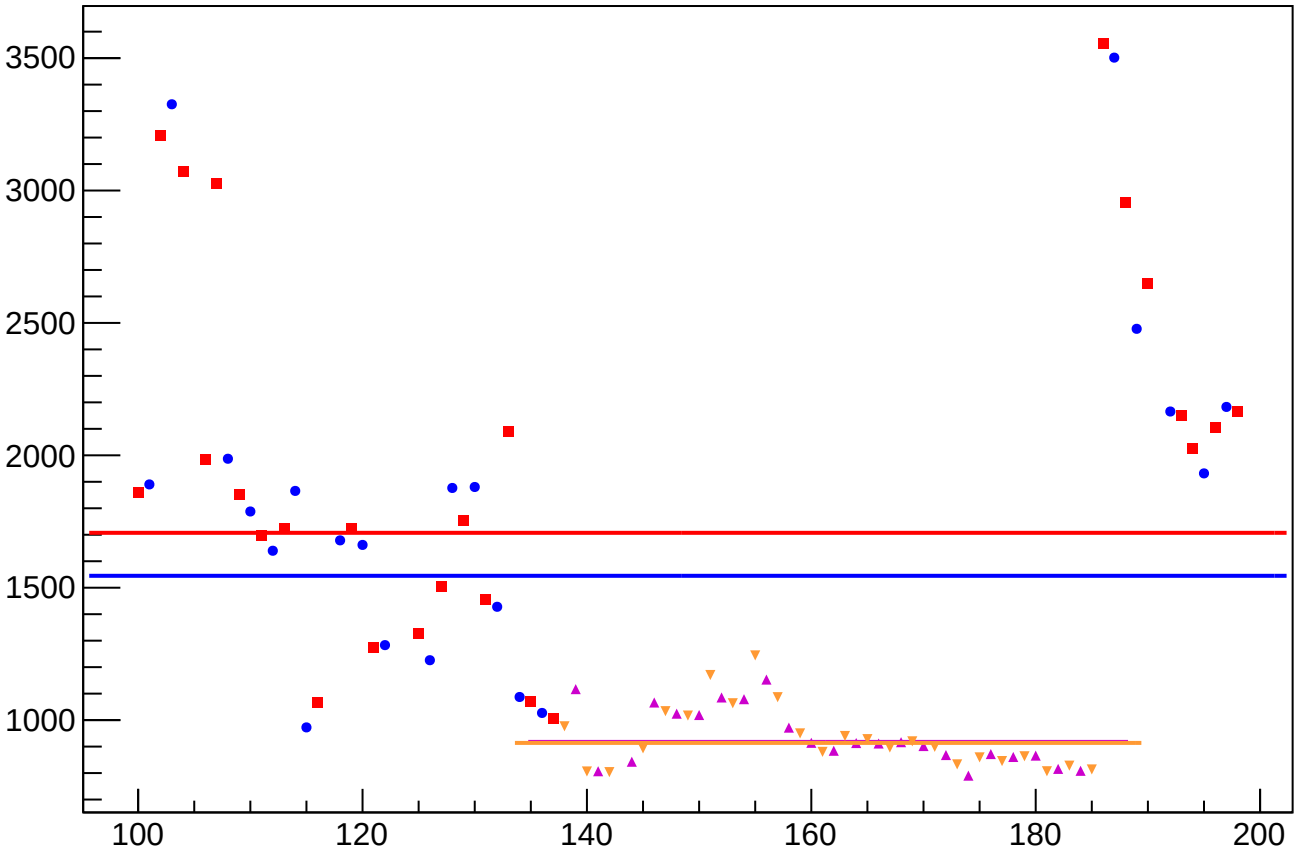
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -103.181+/-357.849 χ^2/NDF: 51.1/45

In: -100.677+/-198.178 χ^2/NDF:58.4/43

Out: -606.706+/-197.517 χ^2/NDF:91.8/48

All: -354.537+/-139.899 χ^2/NDF: 153.5/92



Right In: 1544.978+/-0.353 χ^2/NDF: 1930760.0/20

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1707.293+/-0.363 χ^2/NDF: 2441033.2/24

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

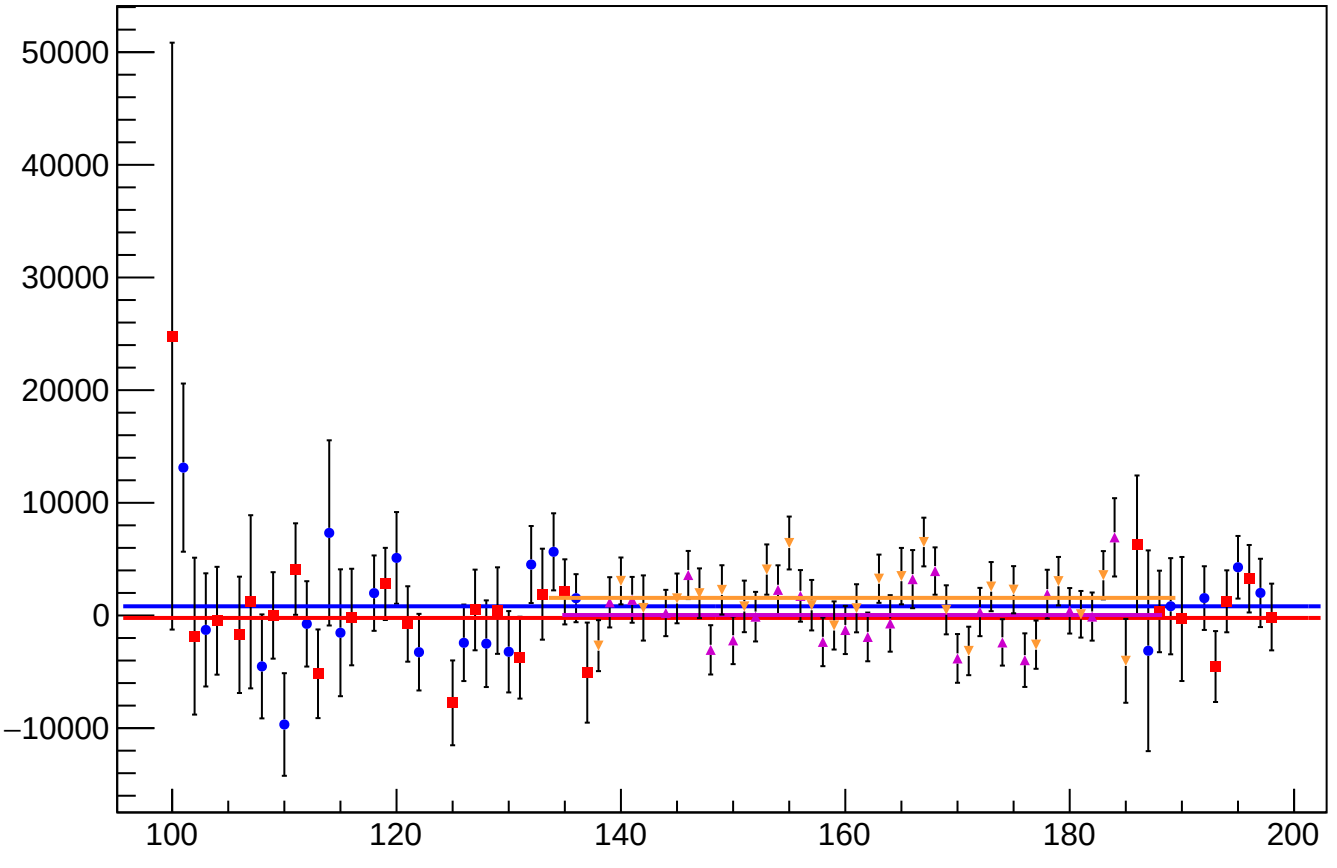
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1623.922+/-0.253 χ^2/NDF: 4474585.5/45

In: 1016.495+/-0.140 χ^2/NDF:5020767.4/43

Out: 1031.458+/-0.140 χ^2/NDF:6976942.5/48

All: 1024.001+/-0.099 χ^2/NDF: 12003430.1/9



Right In: 814.245+/-801.185 χ^2/NDF: 21.3/20

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: -219.096+/-773.164 χ^2/NDF: 16.5/24

Left In: 39.885+/-459.938 χ^2/NDF:27.8/22

Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

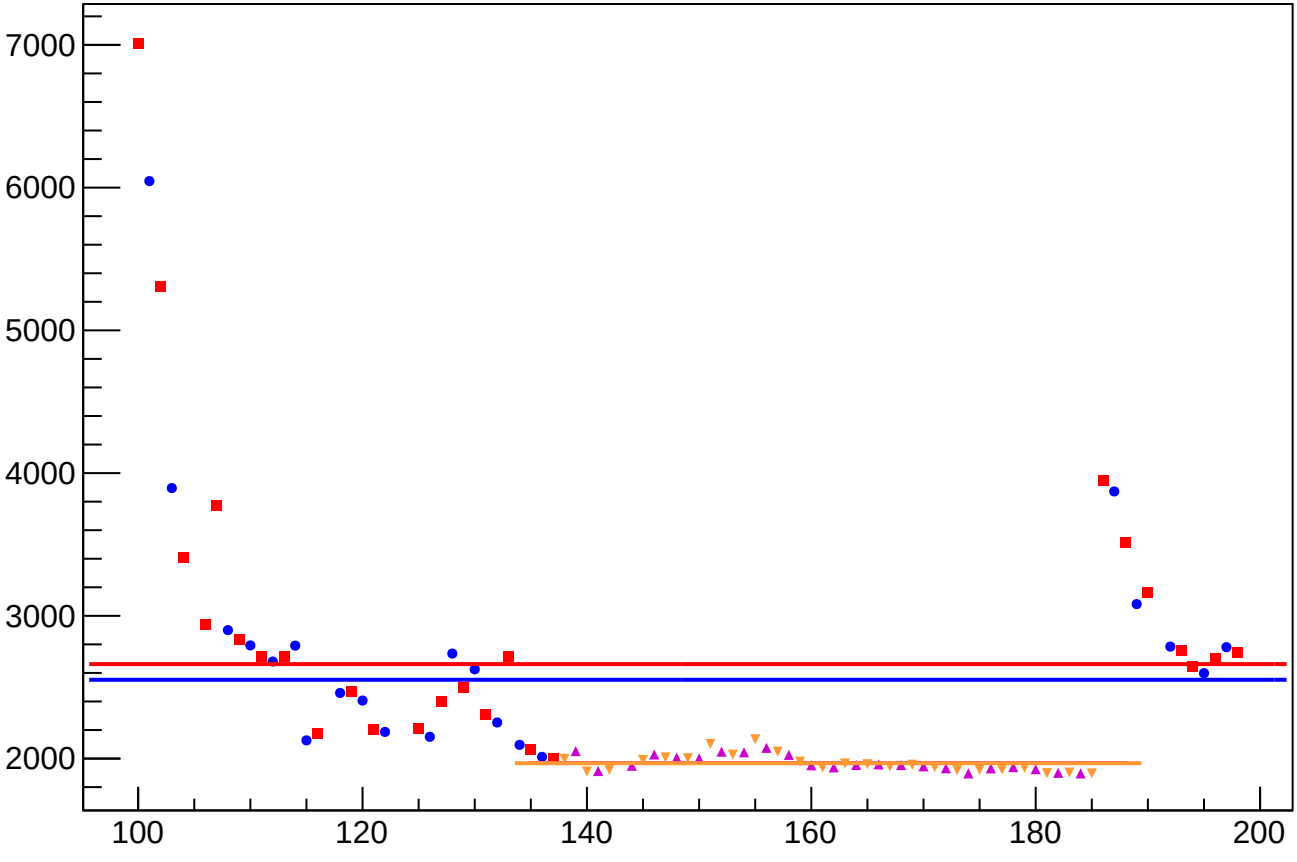
Right: 279.189+/-556.352 χ^2/NDF: 38.7/45

In: 231.826+/-398.883 χ^2/NDF:49.8/43

Out: 1100.546+/-393.340 χ^2/NDF:51.7/48

All: 672.264+/-280.072 χ^2/NDF: 103.9/92

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2552.075+/-0.567 χ^2/NDF: 952845.3/20

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

Right Out: 2661.899+/-0.547 χ^2/NDF: 926021.5/24

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

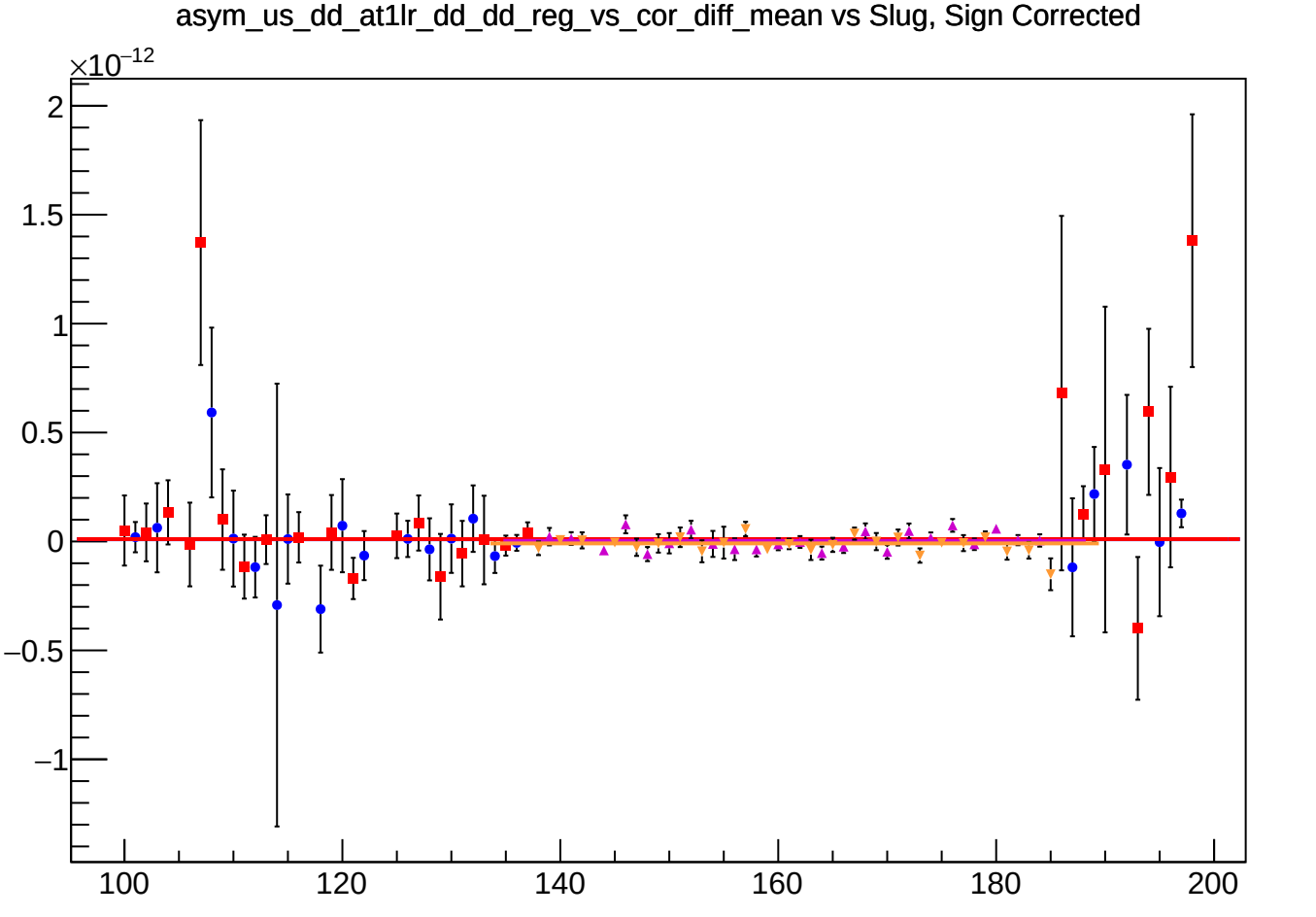
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2608.941+/-0.393 χ^2/NDF: 1898325.6/45

In: 2113.544+/-0.282 χ^2/NDF:1776027.8/43

Out: 2147.160+/-0.278 χ^2/NDF:2156257.2/48

All: 2130.587+/-0.198 χ^2/NDF: 3939486.8/92



Right In: 0.000+/-0.000 χ^2/NDF: 13.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/24

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

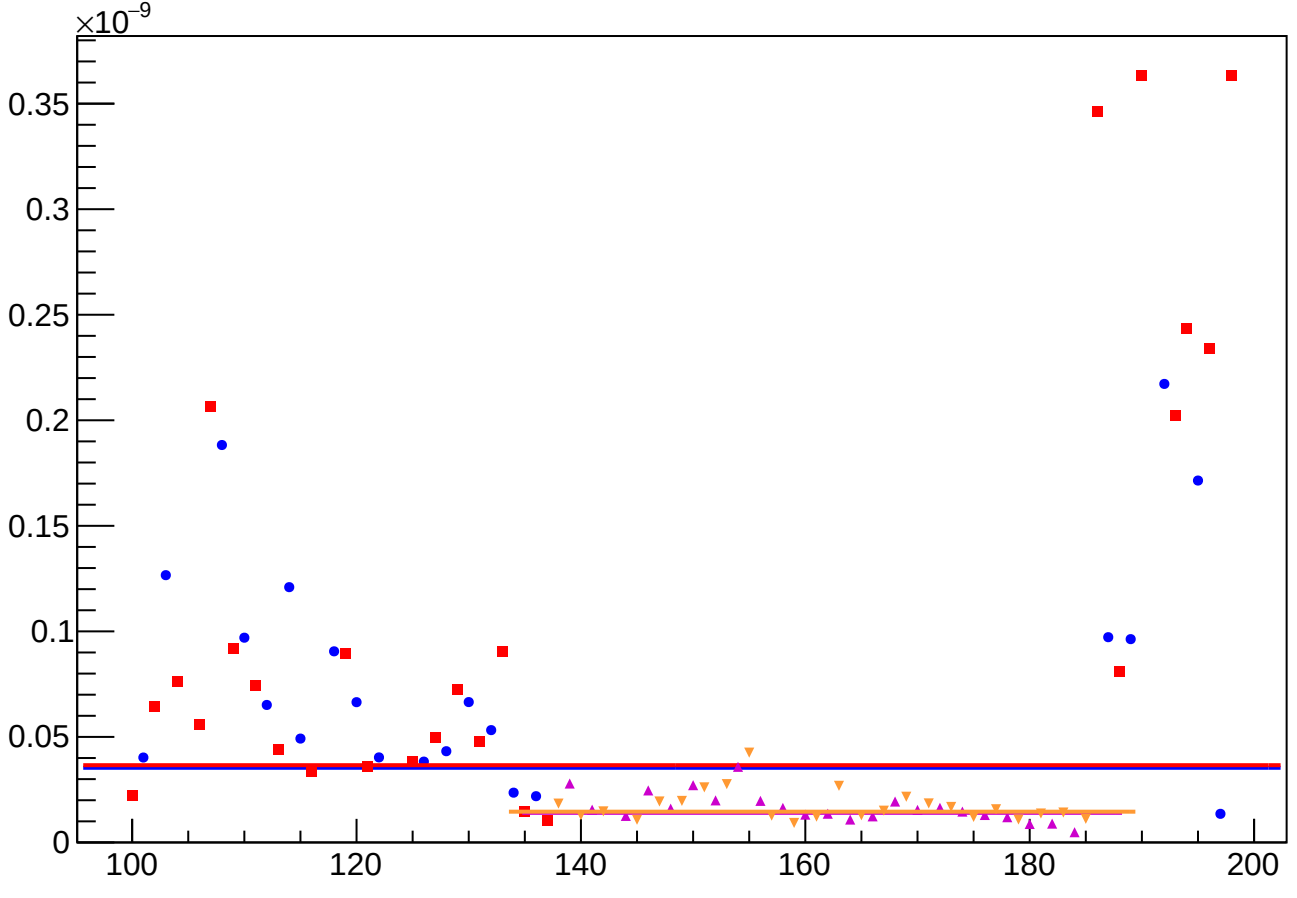
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 38.7/45

In: 0.000+/-0.000 χ^2/NDF:52.8/43

Out: -0.000+/-0.000 χ^2/NDF:46.3/48

All: -0.000+/-0.000 χ^2/NDF: 100.6/92



Right In: 0.000+/-0.000 χ^2/NDF: 3056477.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5255362.2/24

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

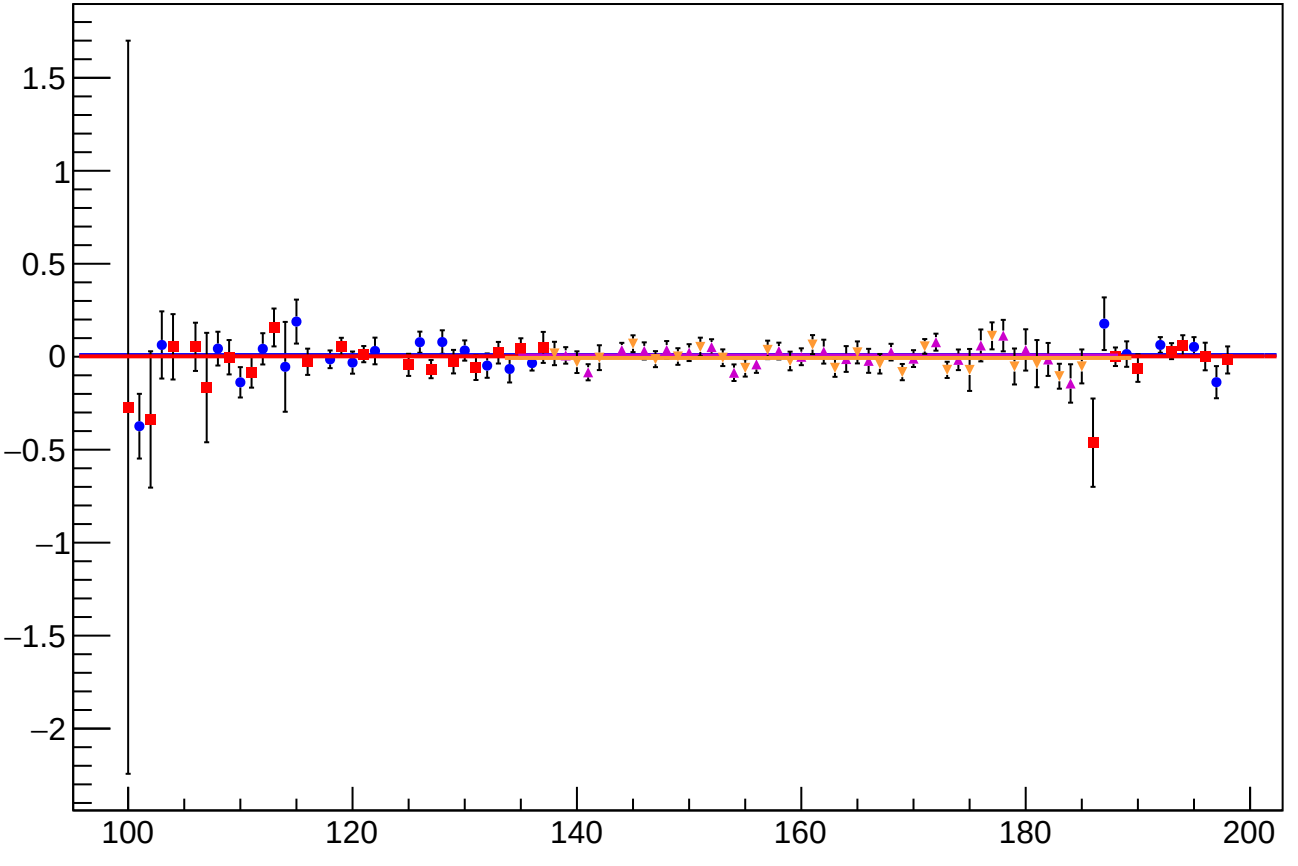
Right: 0.000+/-0.000 χ^2/NDF: 8314627.8/45

In: 0.000+/-0.000 χ^2/NDF:6144405.0/43

Out: 0.000+/-0.000 χ^2/NDF:8033895.0/48

All: 0.000+/-0.000 χ^2/NDF: 14185418.6/92

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.015 χ^2/NDF: 24.1/20

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.002+/-0.014 χ^2/NDF: 17.0/24

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

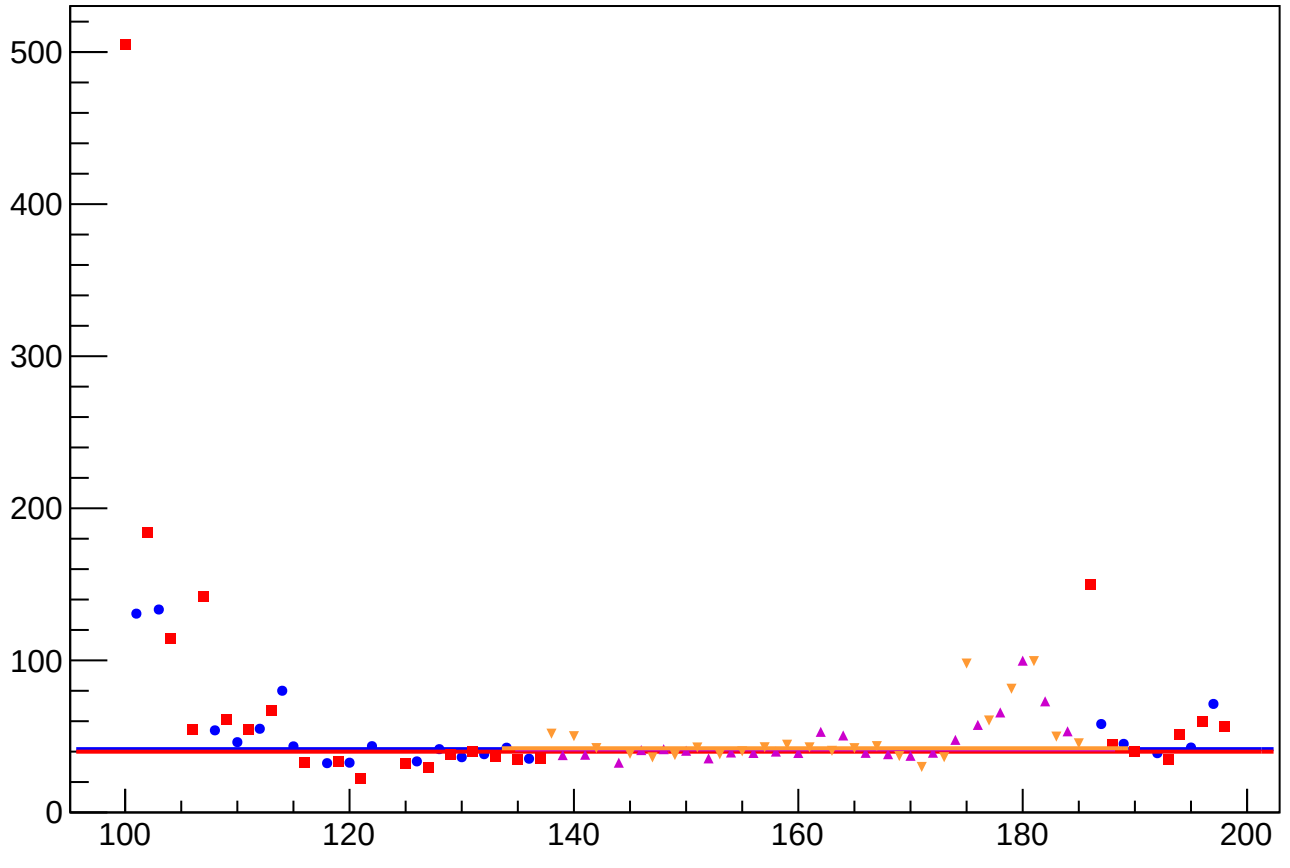
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: 0.005+/-0.010 χ^2/NDF: 41.2/45

In: 0.007+/-0.009 χ^2/NDF:44.2/43

Out: -0.003+/-0.009 χ^2/NDF:41.1/48

All: 0.002+/-0.006 χ^2/NDF: 86.1/92



Right In: 41.640+/-0.010 χ^2/NDF: 1699061.5/20

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 39.964+/-0.010 χ^2/NDF: 2703101.6/24

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

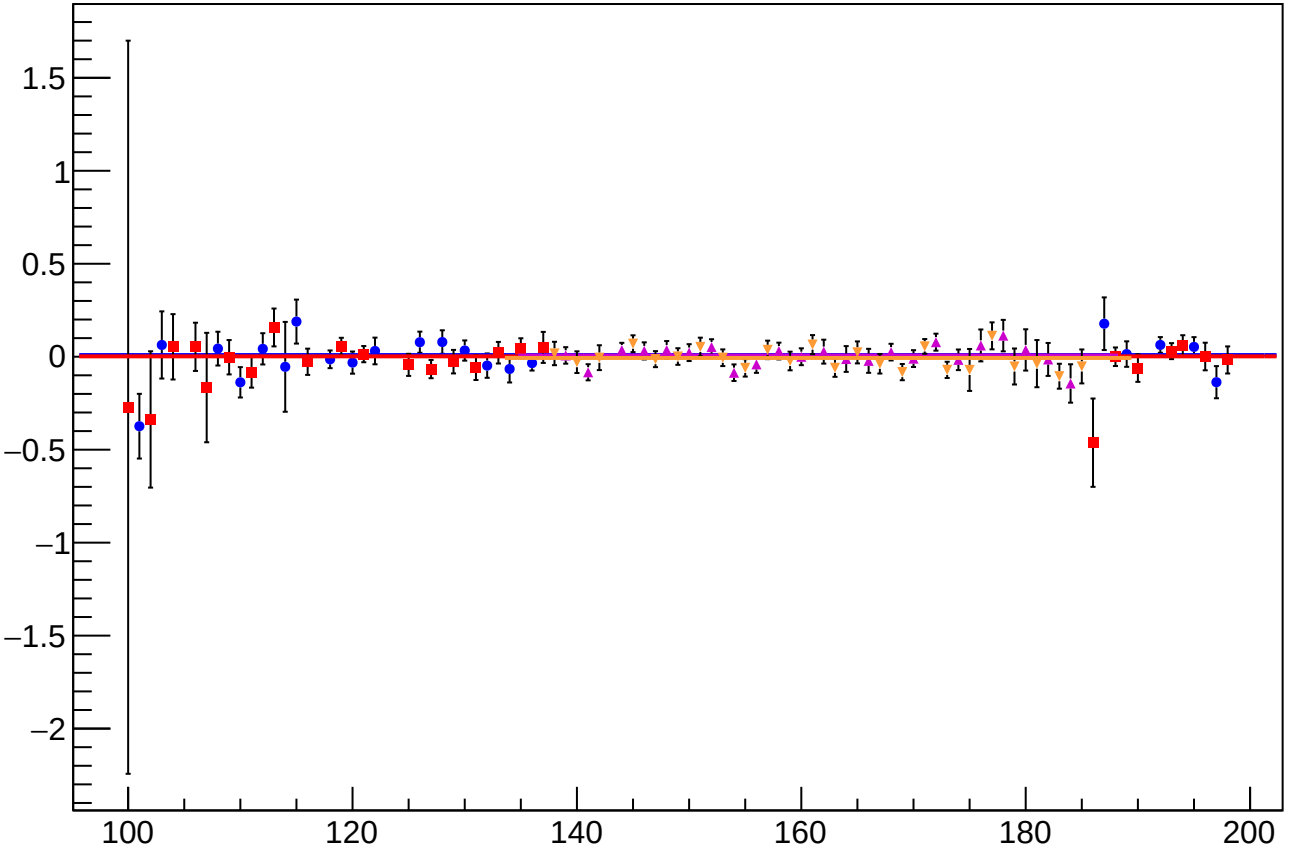
Right: 40.747+/-0.007 χ^2/NDF: 4416386.6/45

In: 41.499+/-0.006 χ^2/NDF:3111534.6/43

Out: 41.327+/-0.006 χ^2/NDF:4555624.6/48

All: 41.412+/-0.004 χ^2/NDF: 7667559.6/92

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.015 χ^2/NDF: 24.1/20

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.002+/-0.014 χ^2/NDF: 17.0/24

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

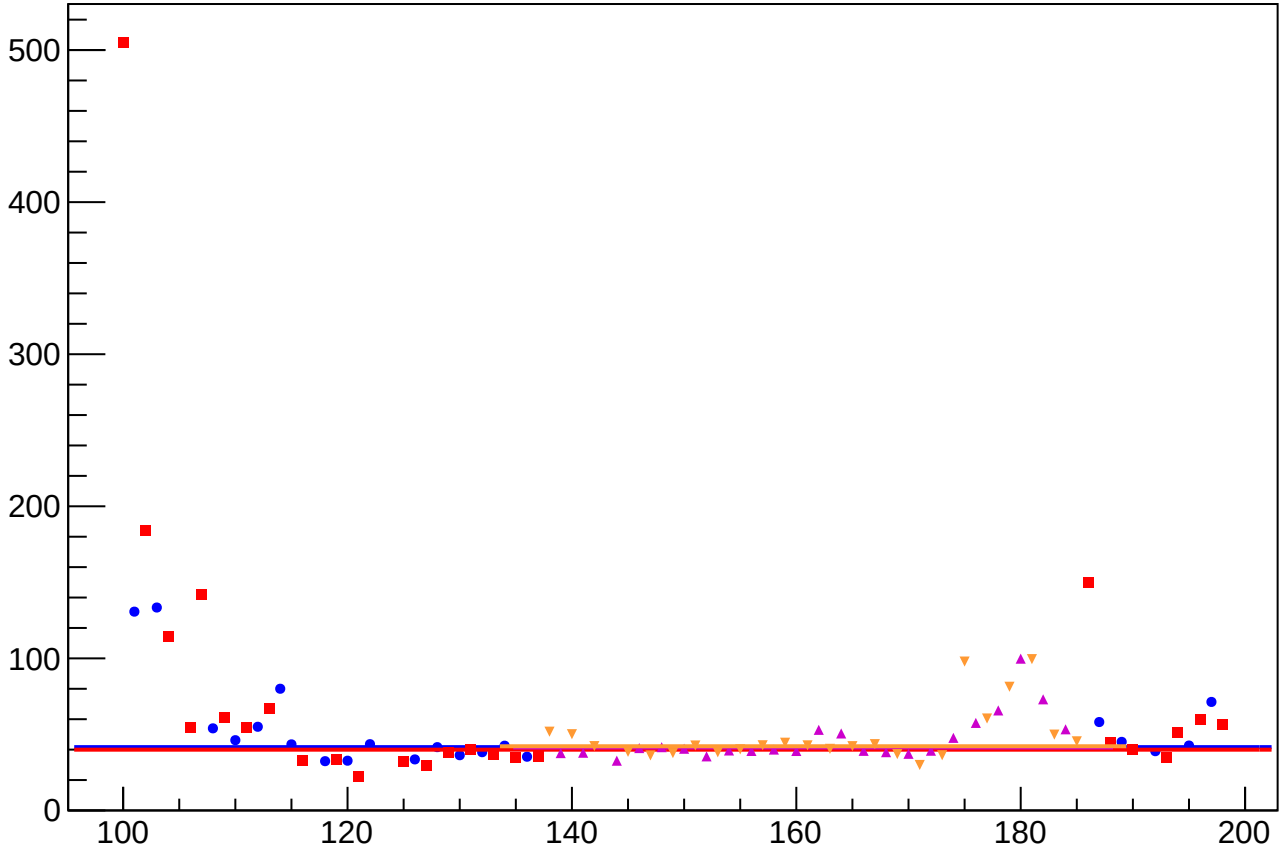
Right: 0.005+/-0.010 χ^2/NDF: 41.2/45

In: 0.007+/-0.009 χ^2/NDF:44.2/43

Out: -0.003+/-0.009 χ^2/NDF:41.1/48

All: 0.002+/-0.006 χ^2/NDF: 86.1/92

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.640+/-0.010 χ^2/NDF: 1699061.5/20

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 39.964+/-0.010 χ^2/NDF: 2703101.6/24

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

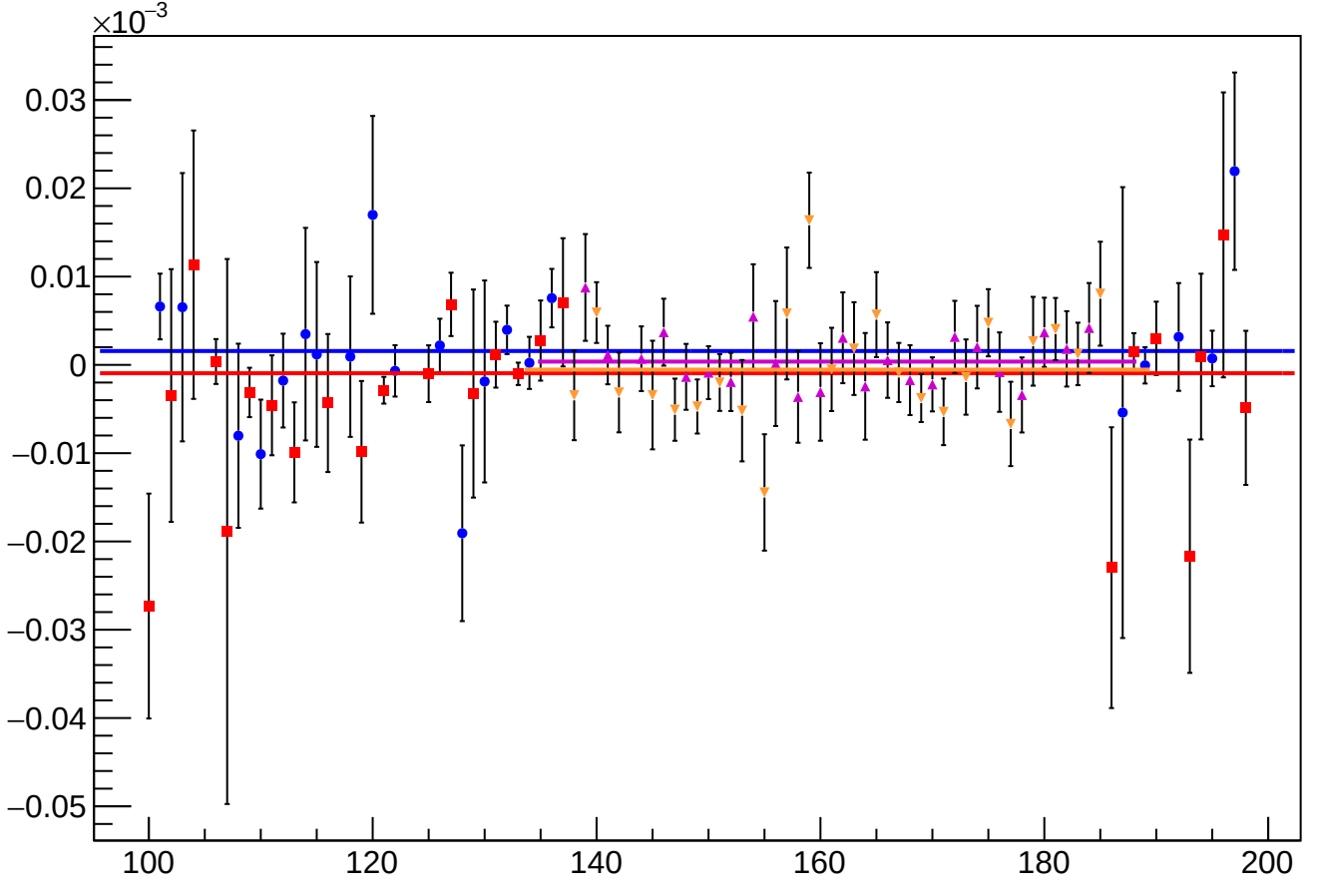
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 40.747+/-0.007 χ^2/NDF: 4416386.6/45

In: 41.499+/-0.006 χ^2/NDF:3111534.6/43

Out: 41.327+/-0.006 χ^2/NDF:4555624.6/48

All: 41.412+/-0.004 χ^2/NDF: 7667559.6/92



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 26.9/24

Left In: 0.000+/-0.000 χ^2/NDF:9.7/22

Left: -0.000+/-0.000 χ^2/NDF: 47.1/46

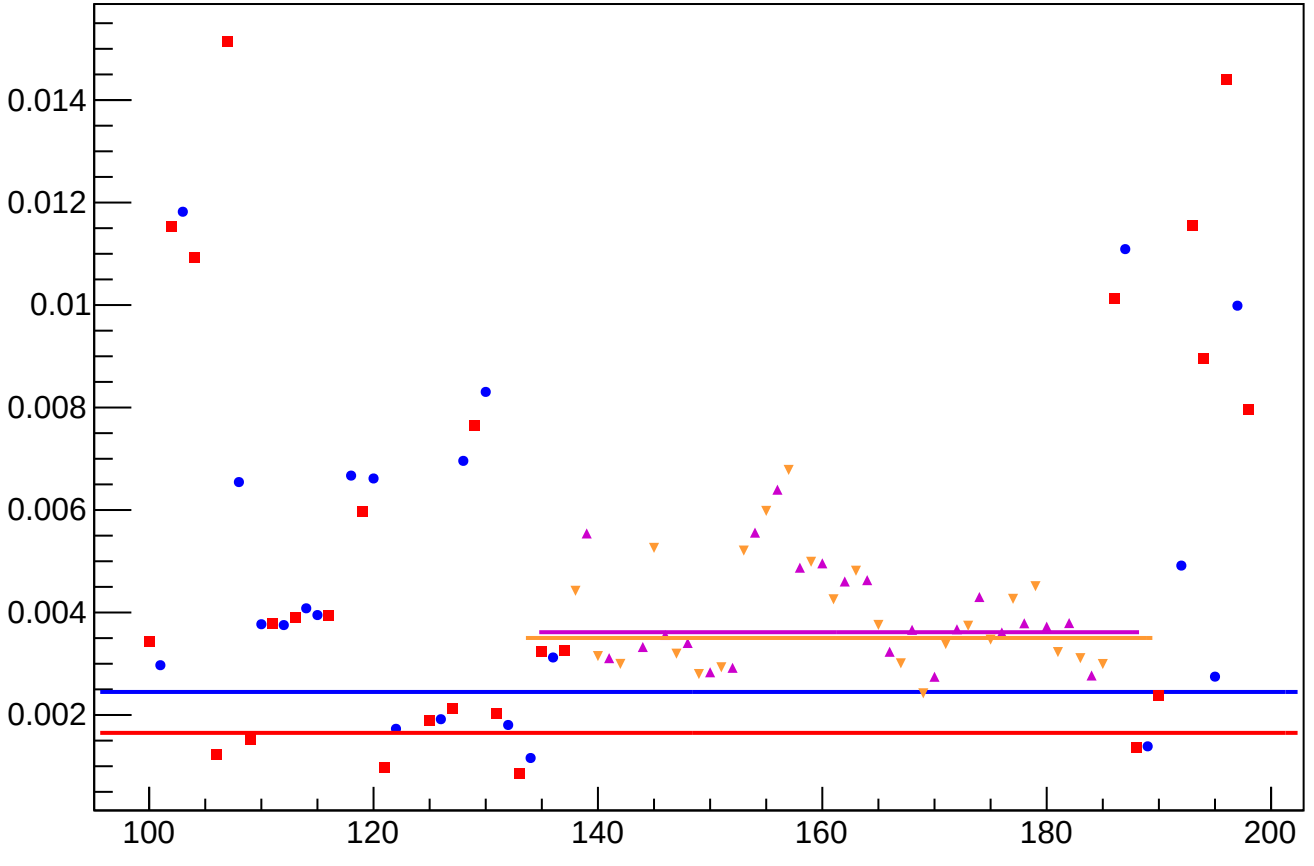
Right: -0.000+/-0.000 χ^2/NDF: 53.7/45

In: 0.000+/-0.000 χ^2/NDF:32.7/43

Out: -0.000+/-0.000 χ^2/NDF:63.9/48

All: -0.000+/-0.000 χ^2/NDF: 100.8/92

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5815411.7/20

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

Right Out: 0.002+/-0.000 χ^2/NDF: 10956366.9/24

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

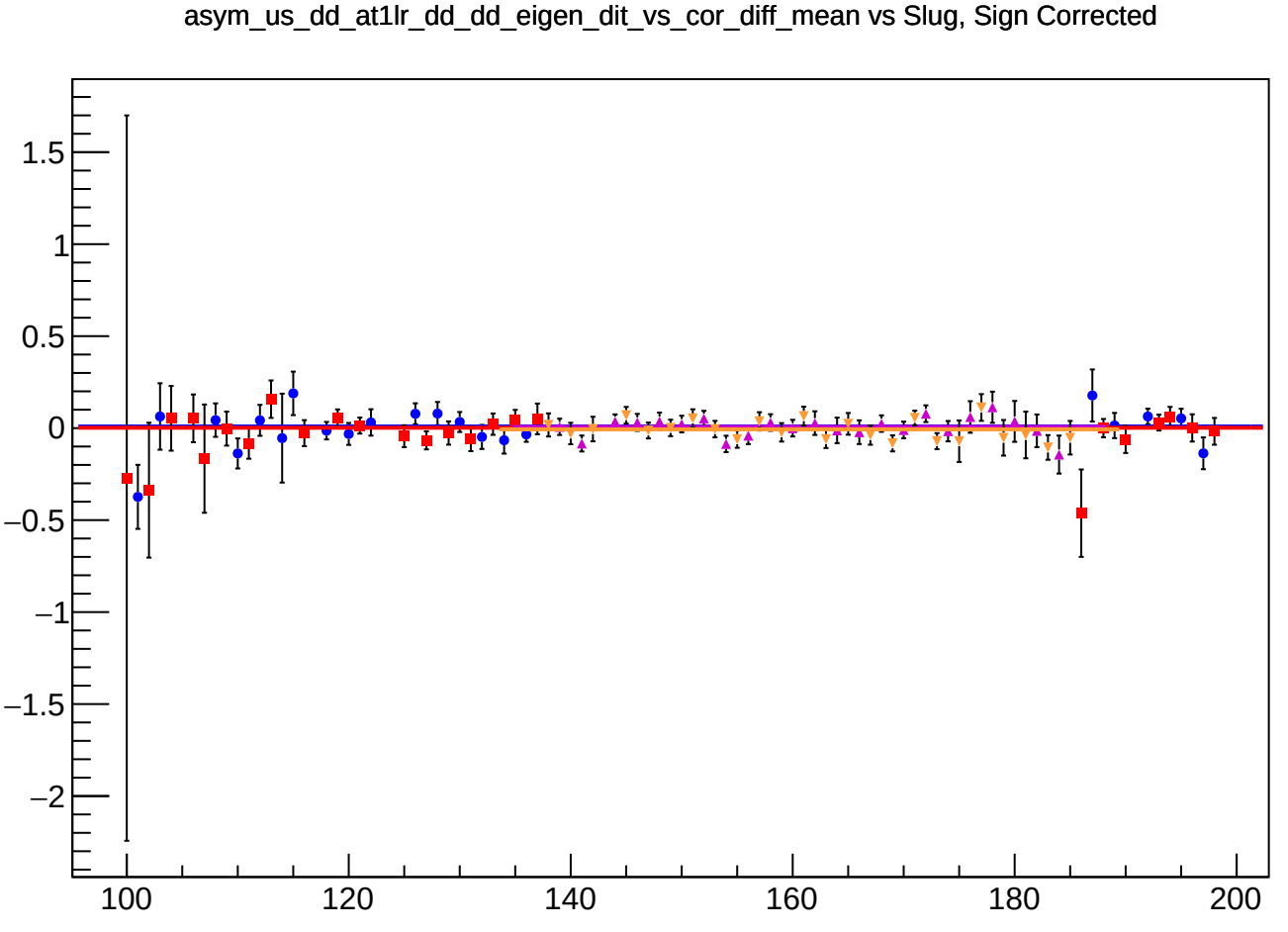
Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

Right: 0.002+/-0.000 χ^2/NDF: 17713964.5/45

In: 0.003+/-0.000 χ^2/NDF:9145943.9/43

Out: 0.002+/-0.000 χ^2/NDF:18912096.0/48

All: 0.003+/-0.000 χ^2/NDF: 29389873.9/92



Right In: 0.009+/-0.015 χ^2/NDF: 24.1/20

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.002+/-0.014 χ^2/NDF: 17.0/24

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

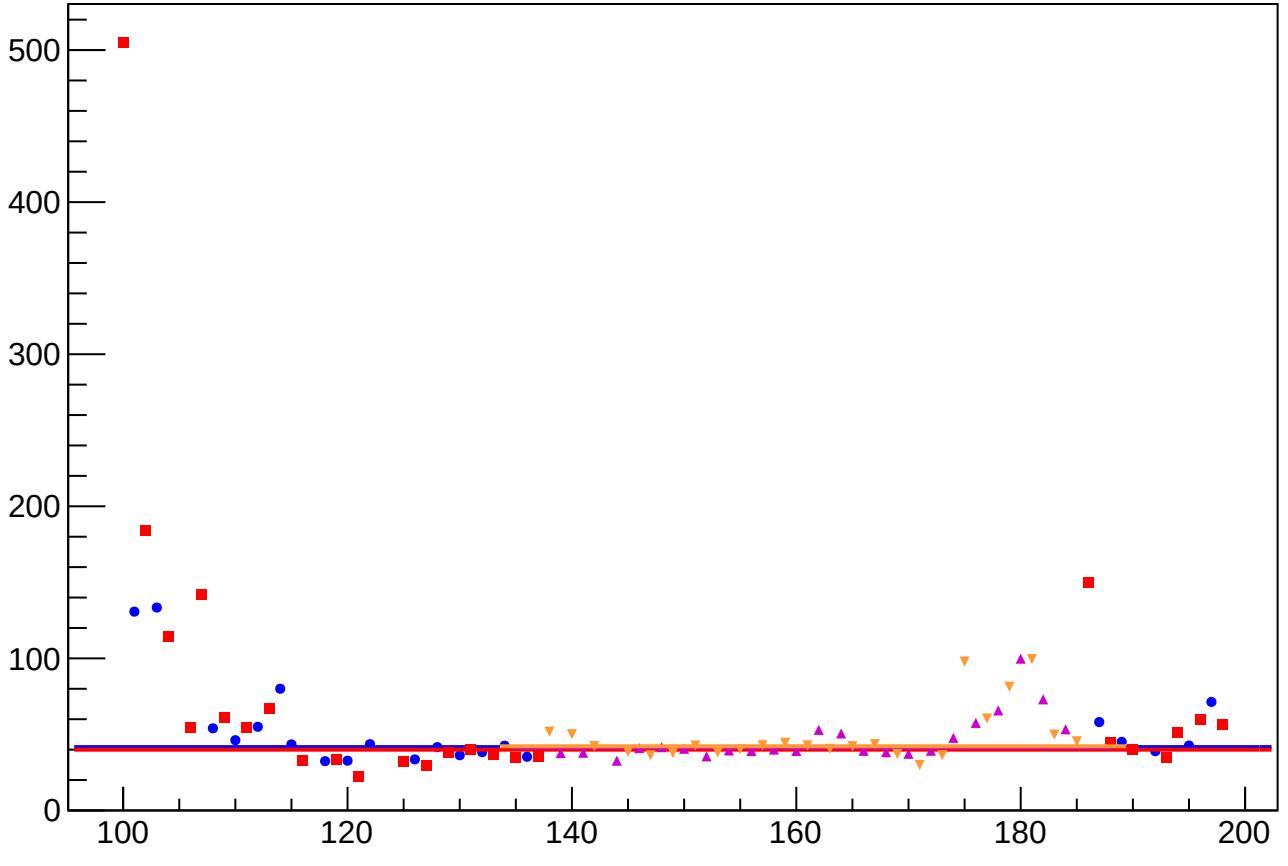
Right: 0.005+/-0.010 χ^2/NDF: 41.2/45

In: 0.007+/-0.009 χ^2/NDF:44.2/43

Out: -0.003+/-0.009 χ^2/NDF:41.1/48

All: 0.002+/-0.006 χ^2/NDF: 86.1/92

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.641+/-0.010 χ^2/NDF: 1698943.4/20

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 39.963+/-0.010 χ^2/NDF: 2703209.9/24

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

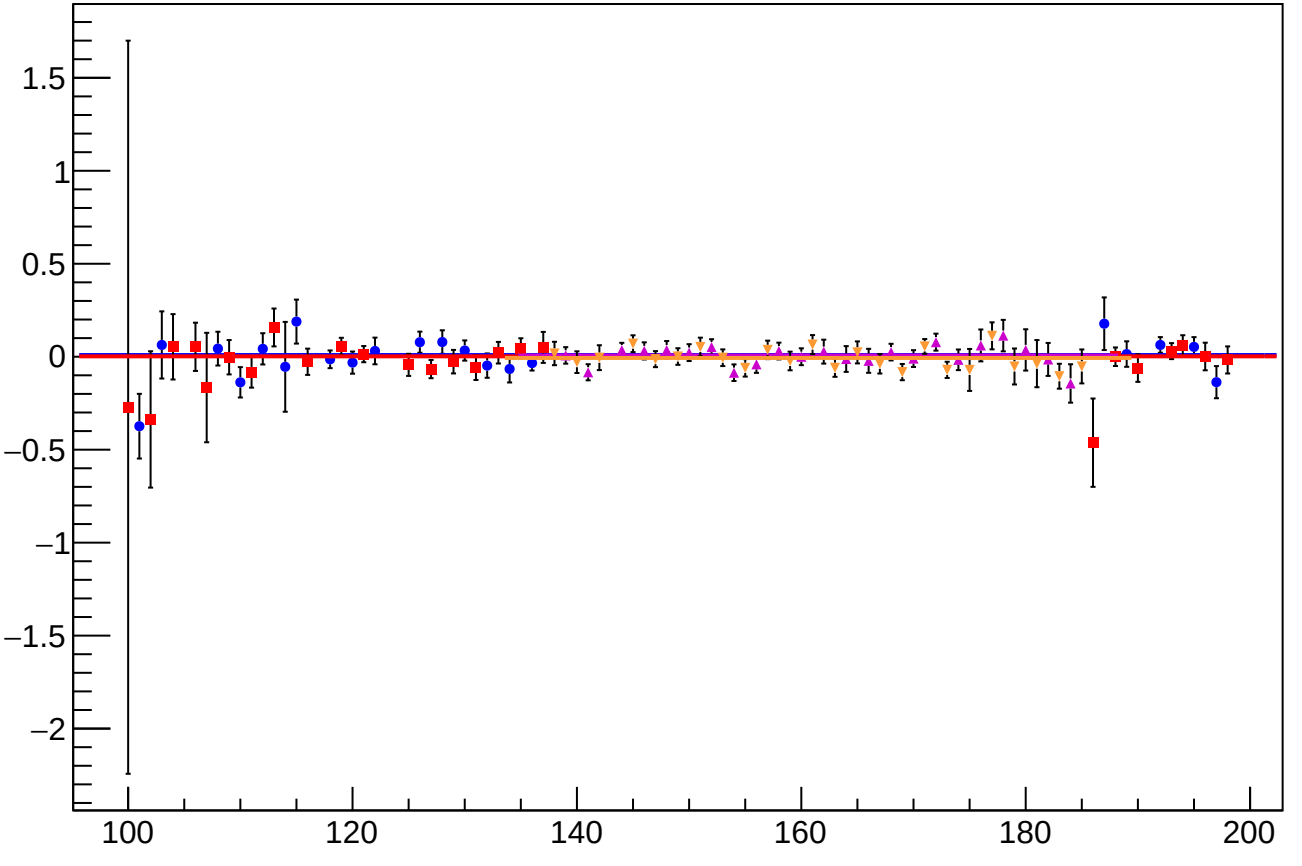
Right: 40.747+/-0.007 χ^2/NDF: 4416404.5/45

In: 41.499+/-0.006 χ^2/NDF:3111352.7/43

Out: 41.326+/-0.006 χ^2/NDF:4555759.6/48

All: 41.411+/-0.004 χ^2/NDF: 7667516.0/92

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.015 χ^2/NDF: 24.1/20

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.002+/-0.014 χ^2/NDF: 17.0/24

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

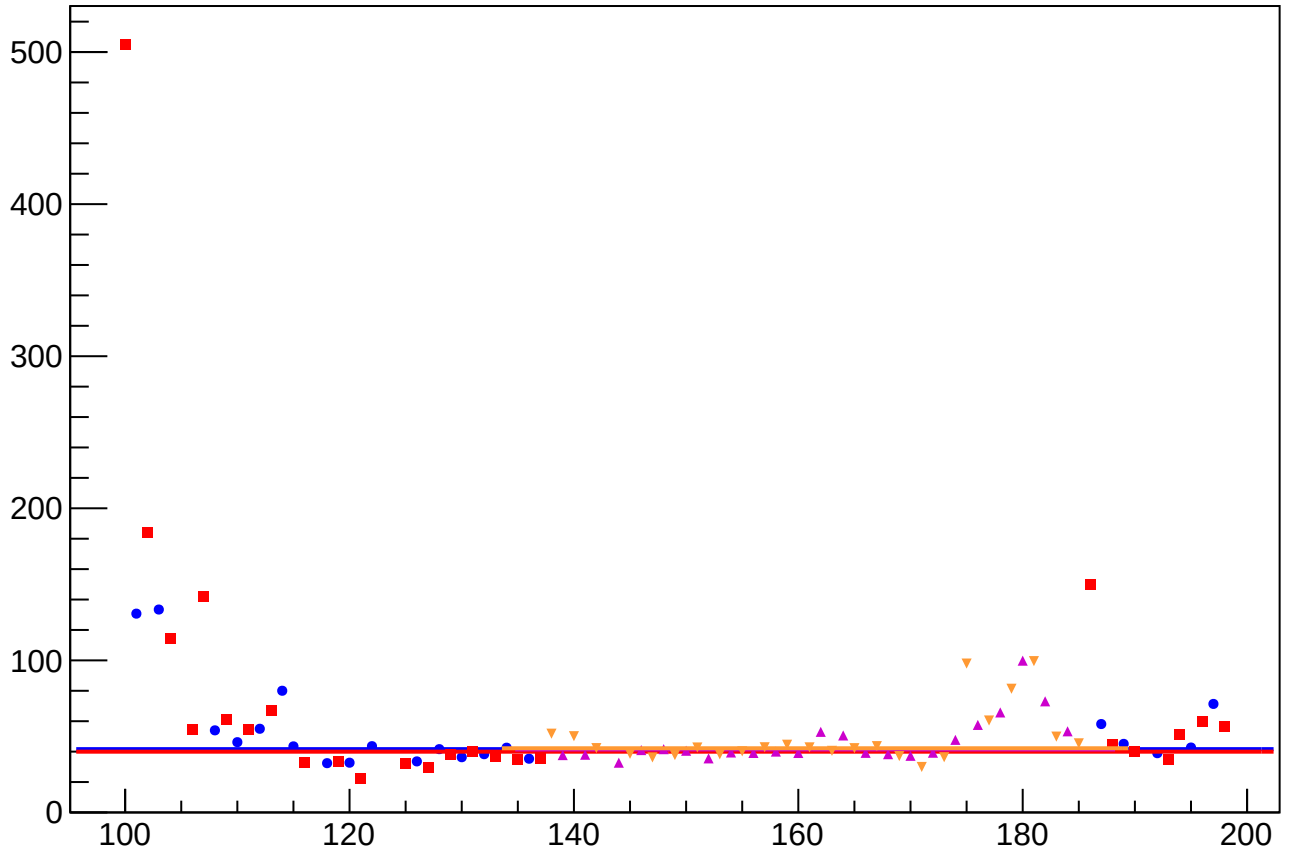
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: 0.005+/-0.010 χ^2/NDF: 41.2/45

In: 0.007+/-0.009 χ^2/NDF:44.2/43

Out: -0.003+/-0.009 χ^2/NDF:41.1/48

All: 0.002+/-0.006 χ^2/NDF: 86.1/92



Right In: 41.641+/-0.010 χ^2/NDF: 1698943.4/20

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 39.963+/-0.010 χ^2/NDF: 2703209.9/24

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

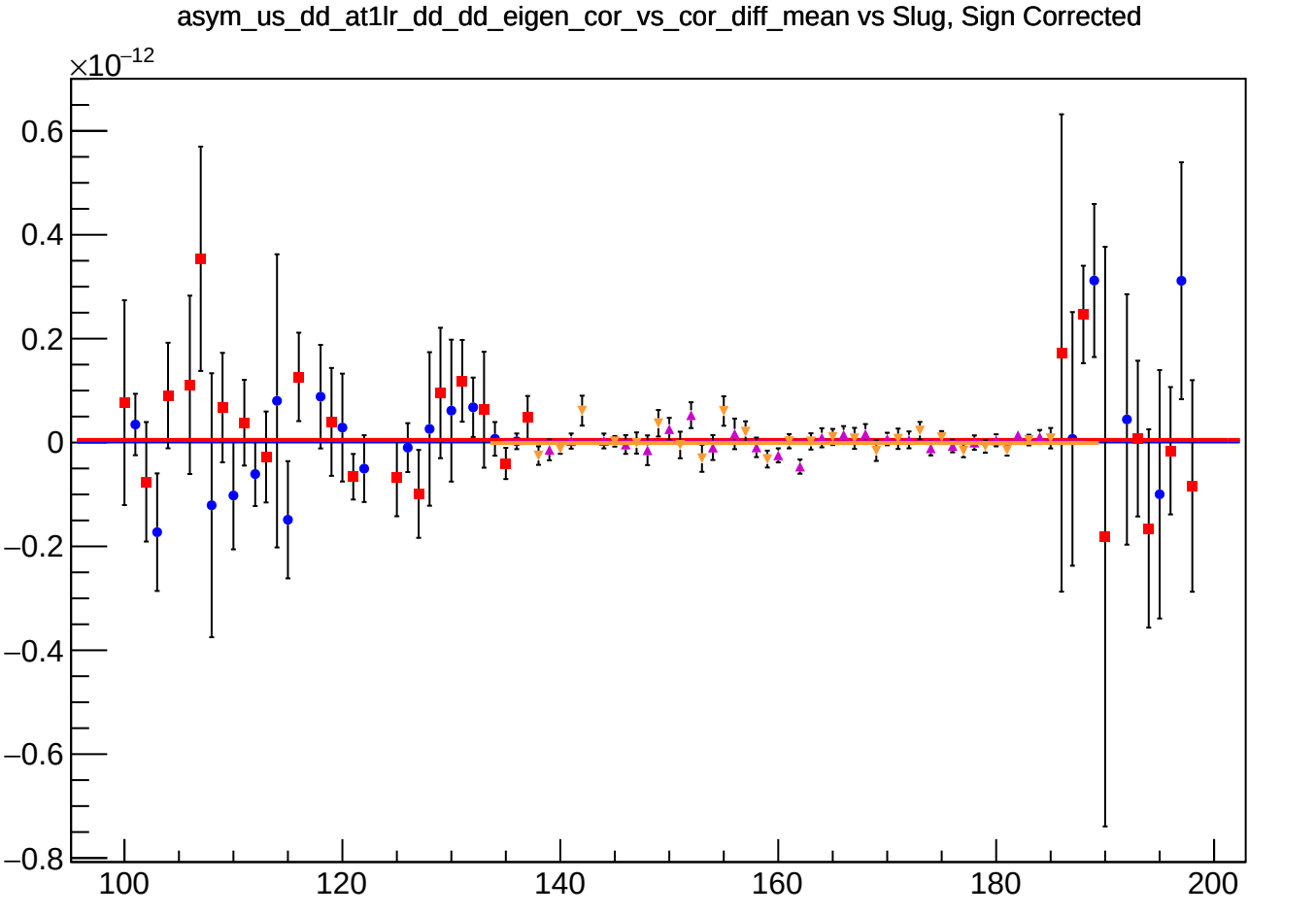
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

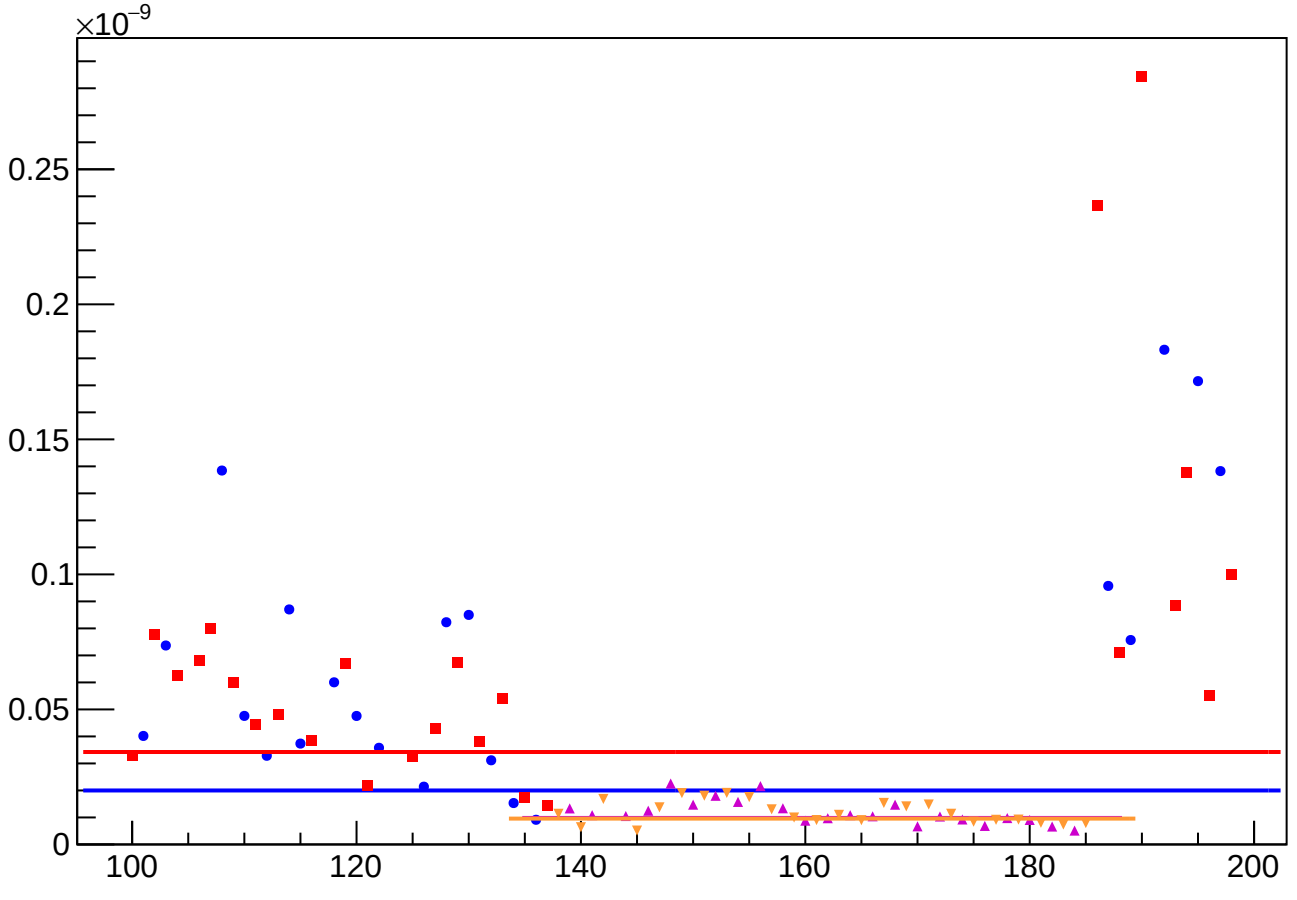
Right: 40.747+/-0.007 χ^2/NDF: 4416404.5/45

In: 41.499+/-0.006 χ^2/NDF:3111352.7/43

Out: 41.326+/-0.006 χ^2/NDF:4555759.6/48

All: 41.411+/-0.004 χ^2/NDF: 7667516.0/92


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 16.4/20
Left Out: -0.000+/-0.000 χ²/NDF:29.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 26.3/24
Left In: 0.000+/-0.000 χ²/NDF:28.3/22
Left: -0.000+/-0.000 χ²/NDF: 57.9/46
Right: 0.000+/-0.000 χ²/NDF: 42.8/45
In: 0.000+/-0.000 χ²/NDF:44.8/43
Out: -0.000+/-0.000 χ²/NDF:56.0/48
All: -0.000+/-0.000 χ²/NDF: 100.8/92



Right In: 0.000+/-0.000 χ^2/NDF: 6794988.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4707348.6/24

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

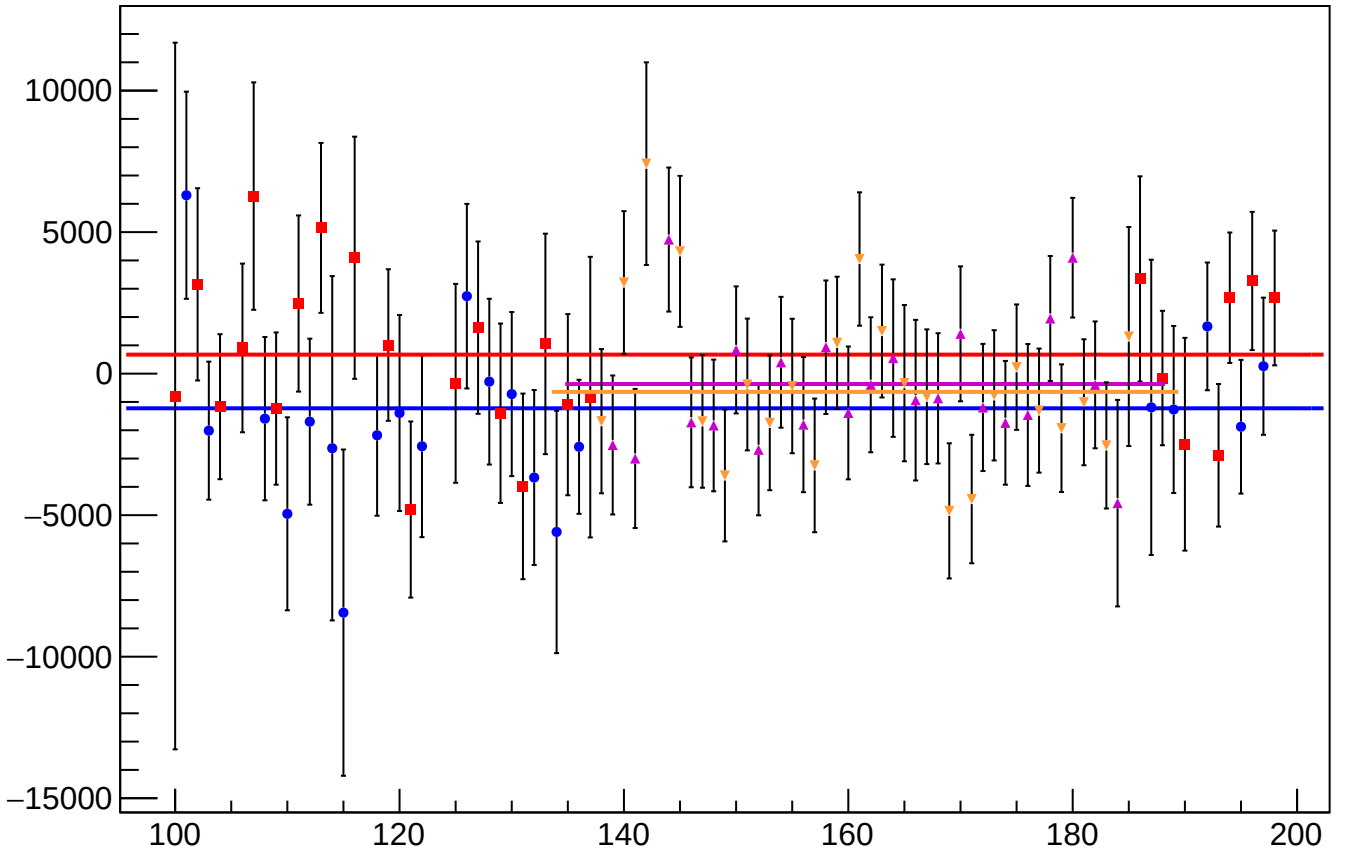
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 12561096.8/45

In: 0.000+/-0.000 χ^2/NDF:10506069.4/43

Out: 0.000+/-0.000 χ^2/NDF:11809933.8/48

All: 0.000+/-0.000 χ^2/NDF: 22316691.8/92



Right In: -1224.283+/-660.665 χ^2/NDF: 13.2/20

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: 672.528+/-611.997 χ^2/NDF: 18.8/24

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

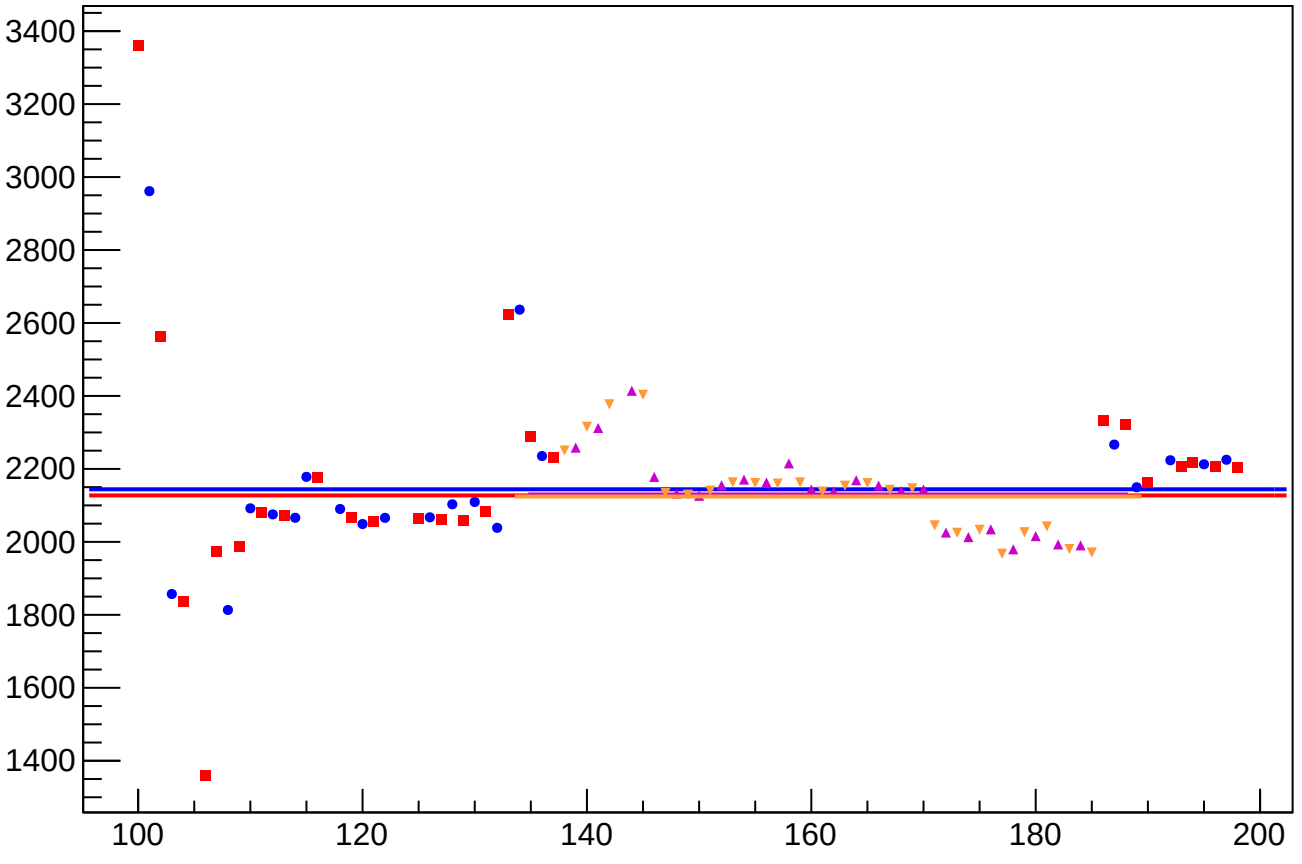
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -203.447+/-448.968 χ^2/NDF: 36.5/45

In: -677.378+/-397.623 χ^2/NDF:31.6/43

Out: -124.905+/-384.246 χ^2/NDF:48.8/48

All: -391.692+/-276.311 χ^2/NDF: 81.3/92



Right In: 2144.148+/-0.467 χ^2/NDF: 200187.8/20

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2127.316+/-0.433 χ^2/NDF: 292761.5/24

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

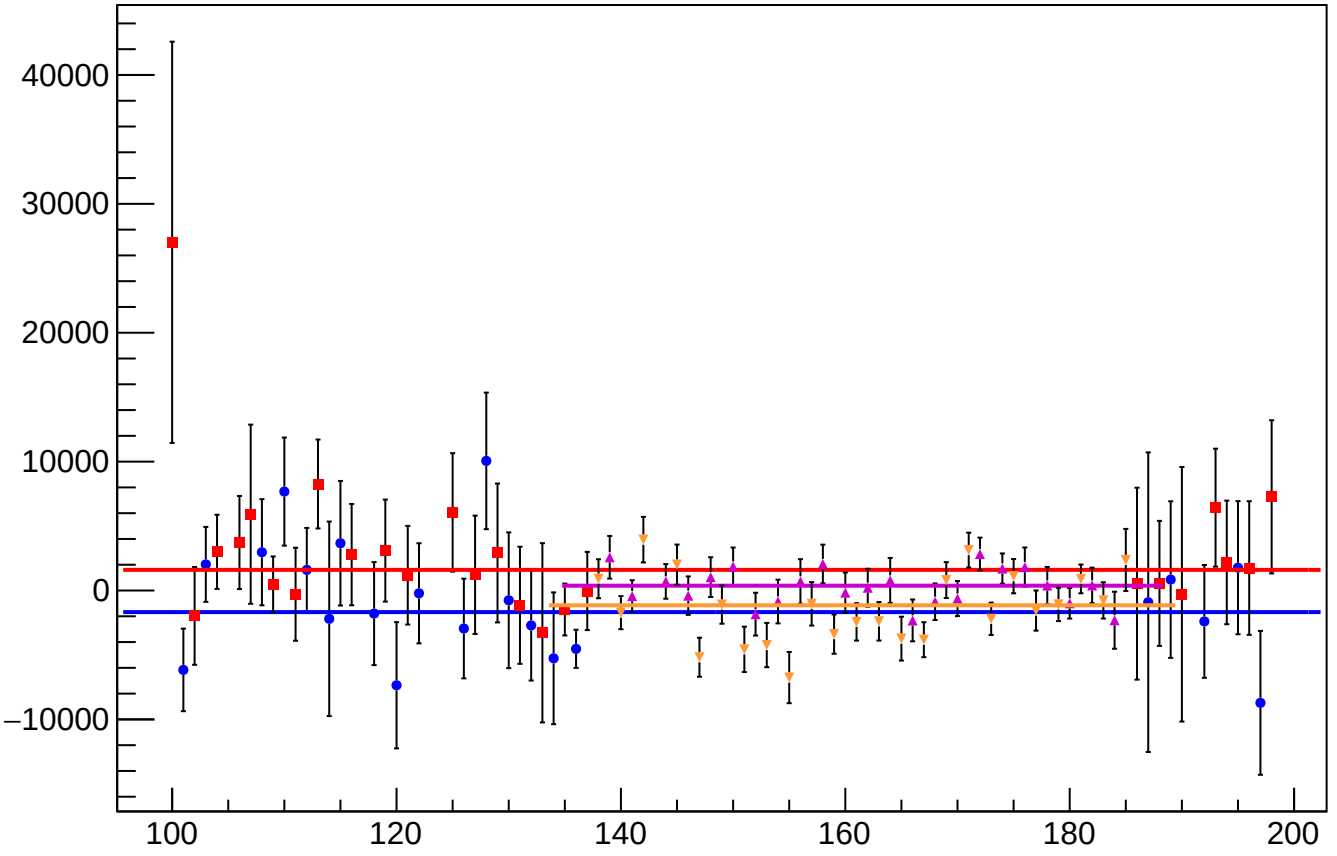
Right: 2135.089+/-0.317 χ^2/NDF: 493648.0/45

In: 2135.059+/-0.281 χ^2/NDF:286135.8/43

Out: 2125.572+/-0.272 χ^2/NDF:381972.4/48

All: 2130.153+/-0.195 χ^2/NDF: 668696.9/92

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1675.432+/-816.284 χ^2/NDF: 25.1/20

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

Right Out: 1600.754+/-780.069 χ^2/NDF: 15.7/24

Left In: 373.302+/-305.378 χ^2/NDF:20.3/22

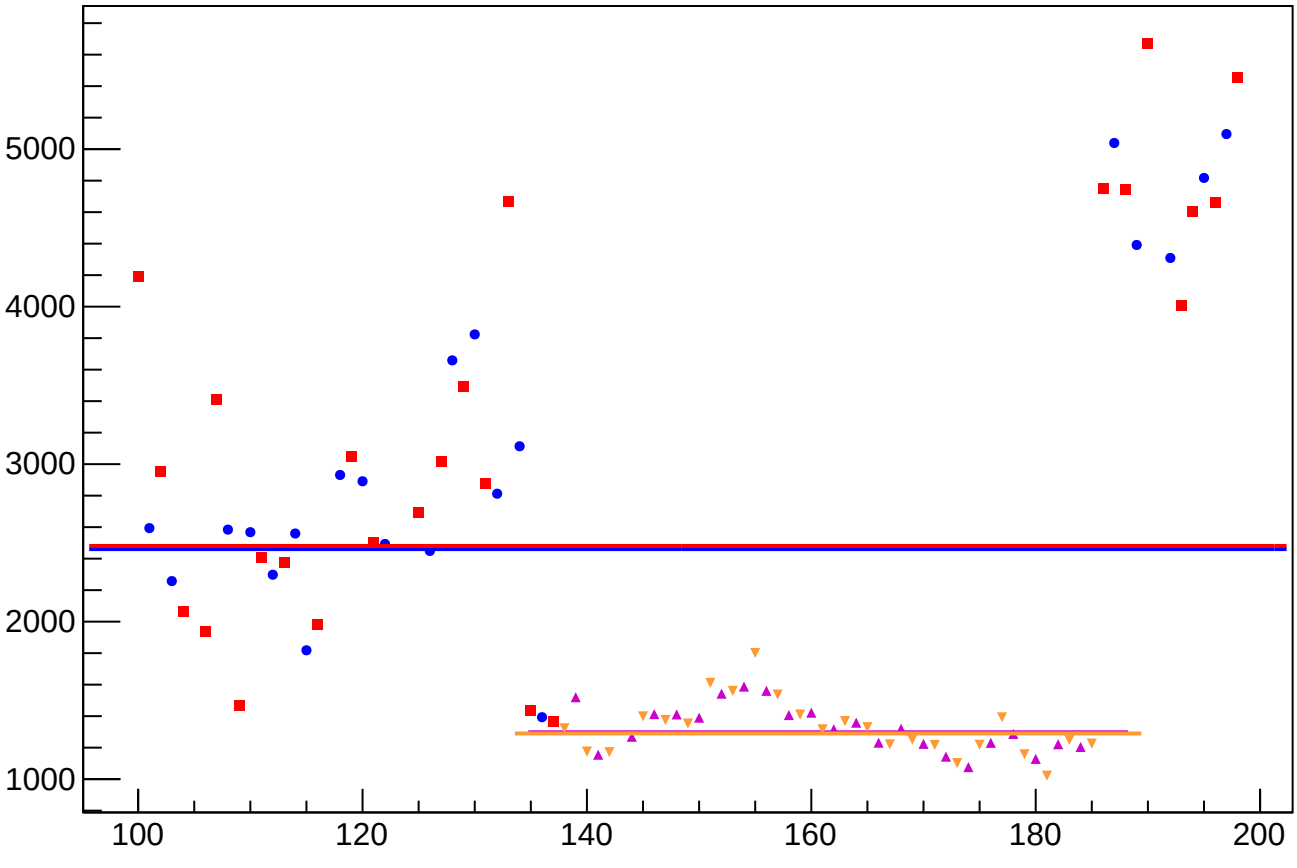
Left: -392.974+/-214.906 χ^2/NDF: 100.3/46

Right: 36.948+/-563.960 χ^2/NDF: 49.2/45

In: 121.772+/-286.018 χ^2/NDF:50.9/43

Out: -785.938+/-282.027 χ^2/NDF:94.0/48

All: -338.461+/-200.819 χ^2/NDF: 150.0/92



Right In: 2460.715+/-0.577 χ^2/NDF: 2941172.9/20

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2480.550+/-0.552 χ^2/NDF: 4109604.6/24

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

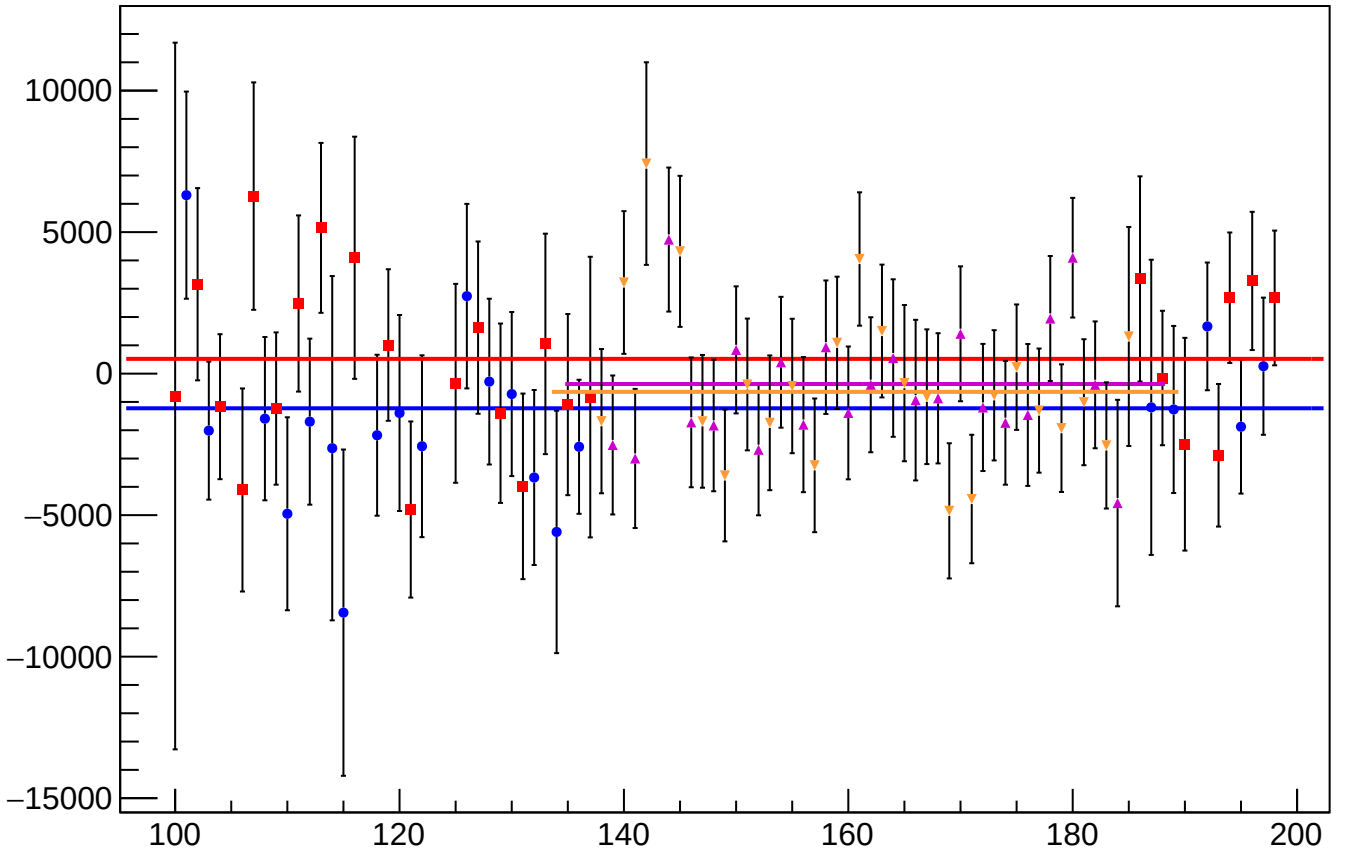
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2471.082+/-0.399 χ^2/NDF: 7051394.7/45

In: 1440.272+/-0.202 χ^2/NDF:6938144.2/43

Out: 1445.644+/-0.199 χ^2/NDF:8727063.3/48

All: 1442.996+/-0.142 χ^2/NDF: 15665565.3/9



Right In: -1224.250+/-660.665 χ^2/NDF: 13.2/20

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 521.643+/-616.037 χ^2/NDF: 20.5/24

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

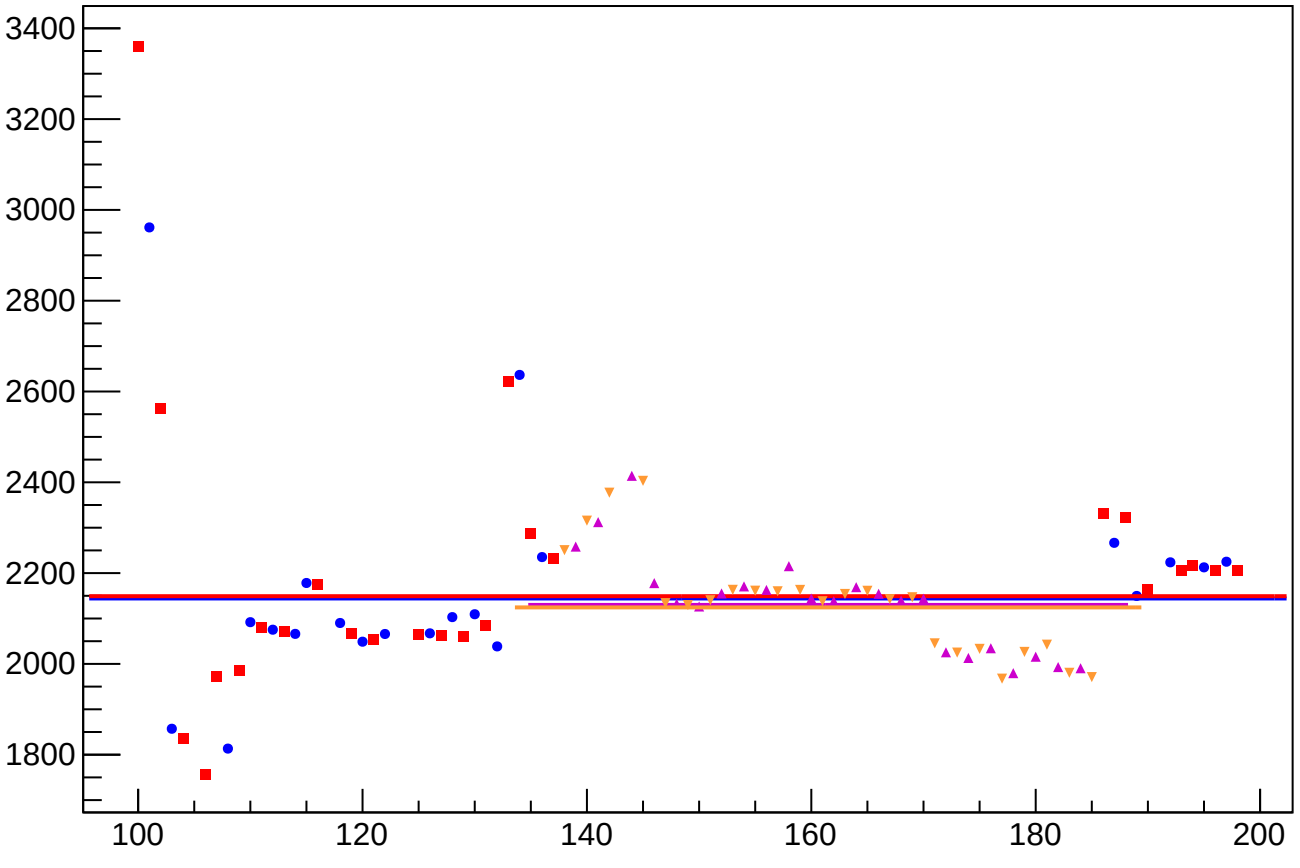
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -290.349+/-450.555 χ^2/NDF: 37.5/45

In: -677.295+/-397.623 χ^2/NDF:31.6/43

Out: -187.957+/-385.240 χ^2/NDF:49.9/48

All: -424.888+/-276.680 χ^2/NDF: 82.2/92



Right In: 2144.148+/-0.467 χ^2/NDF: 200188.2/20

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2149.123+/-0.436 χ^2/NDF: 179372.4/24

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

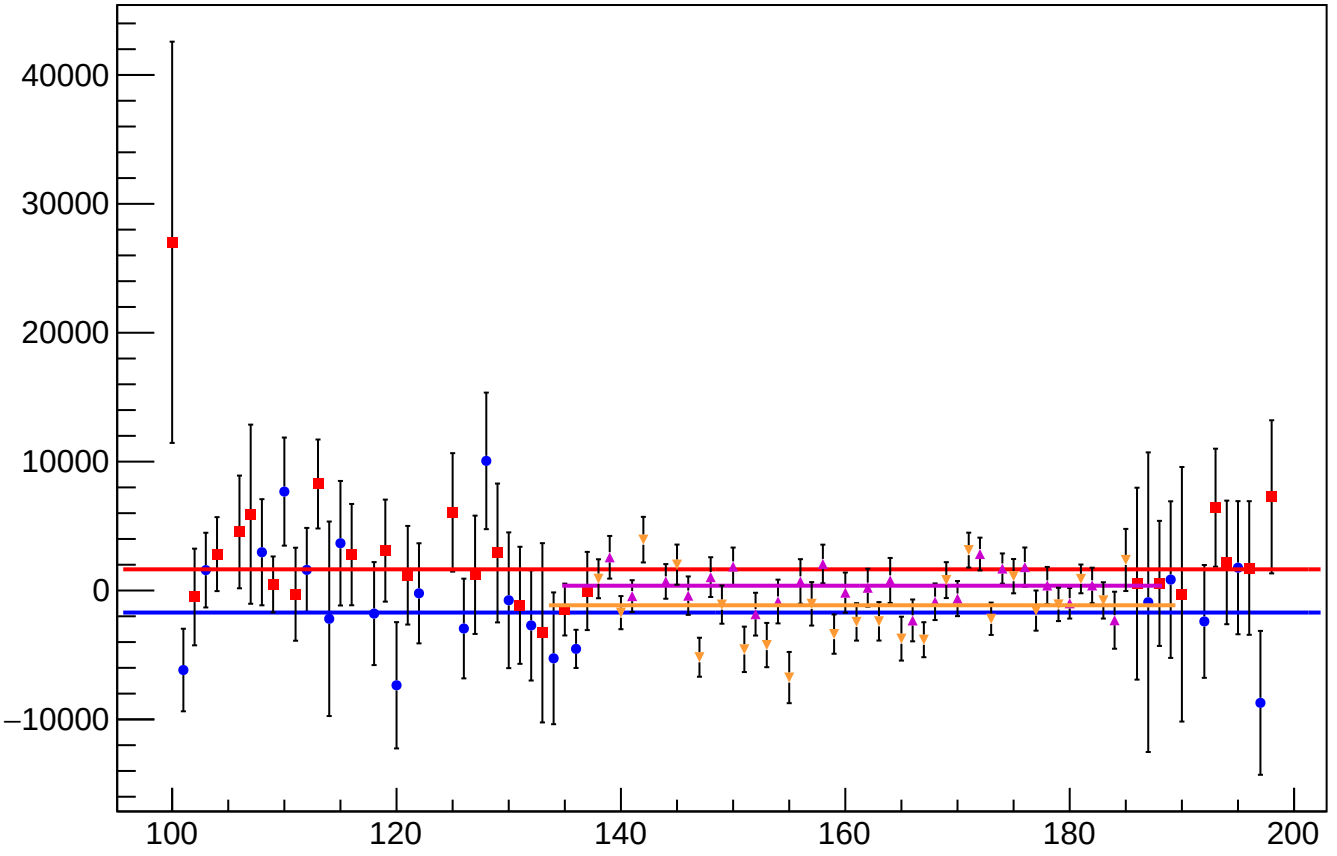
Right: 2146.809+/-0.319 χ^2/NDF: 379621.3/45

In: 2135.059+/-0.281 χ^2/NDF:286136.1/43

Out: 2134.091+/-0.272 χ^2/NDF:270512.1/48

All: 2134.560+/-0.196 χ^2/NDF: 556654.4/92

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1709.454+/-816.037 χ^2/NDF: 24.7/20

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1643.679+/-785.378 χ^2/NDF: 15.2/24

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

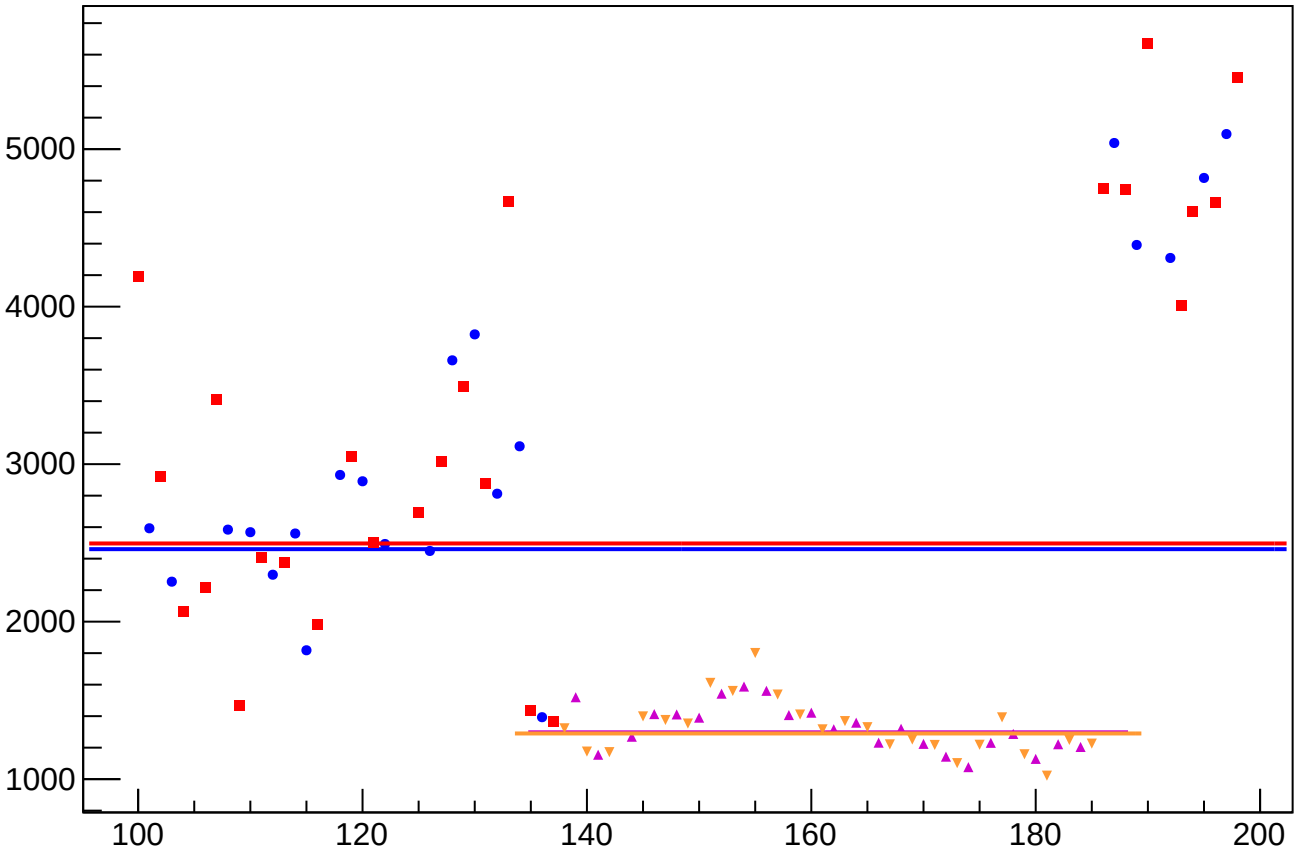
Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

Right: 31.284+/-565.875 χ^2/NDF: 48.7/45

In: 117.357+/-286.008 χ^2/NDF:50.8/43

Out: -784.568+/-282.277 χ^2/NDF:93.6/48

All: -339.526+/-200.906 χ^2/NDF: 149.5/92



Right In: 2460.260+/-0.577 χ^2/NDF: 2941501.1/20

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2496.411+/-0.555 χ^2/NDF: 4068747.4/24

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

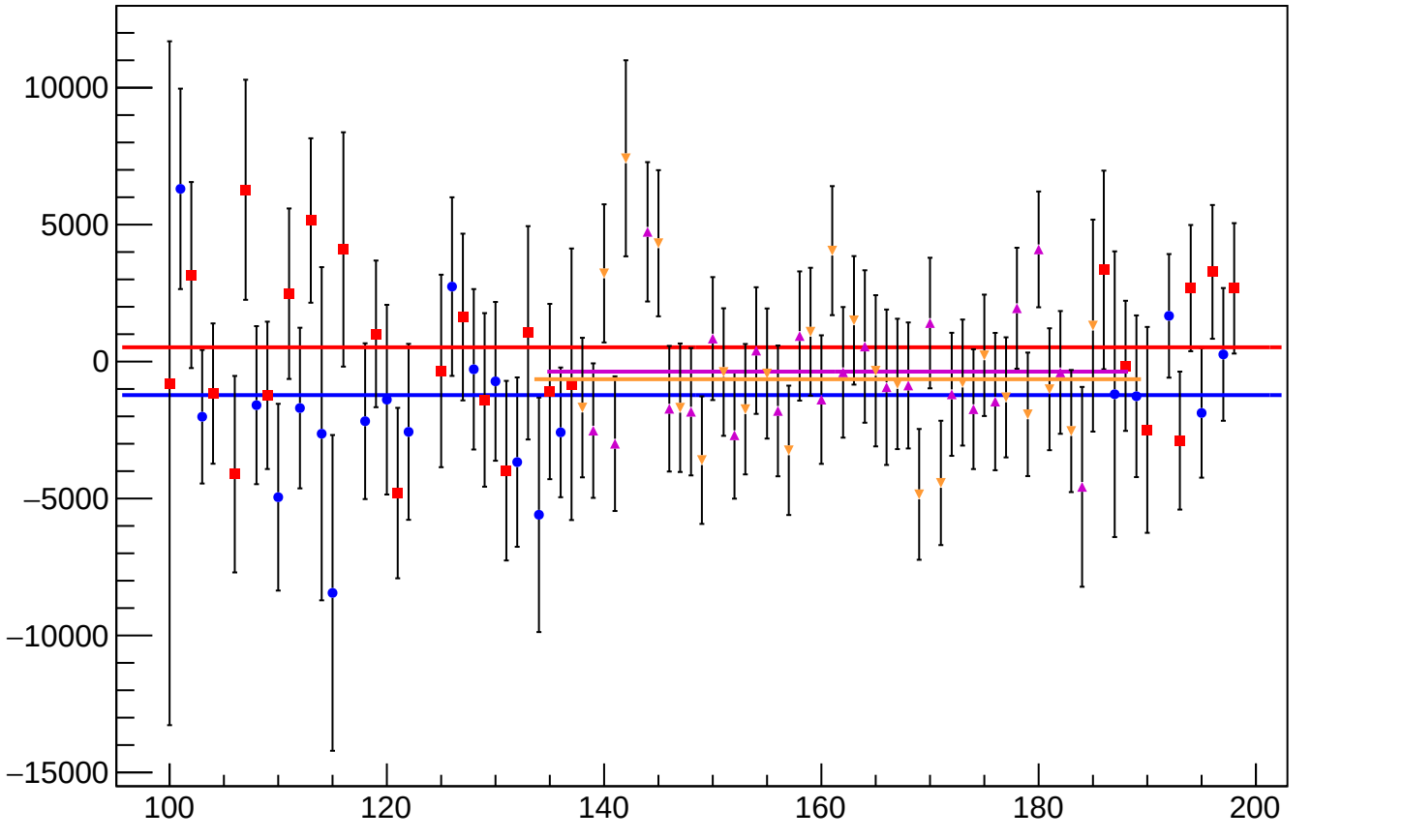
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

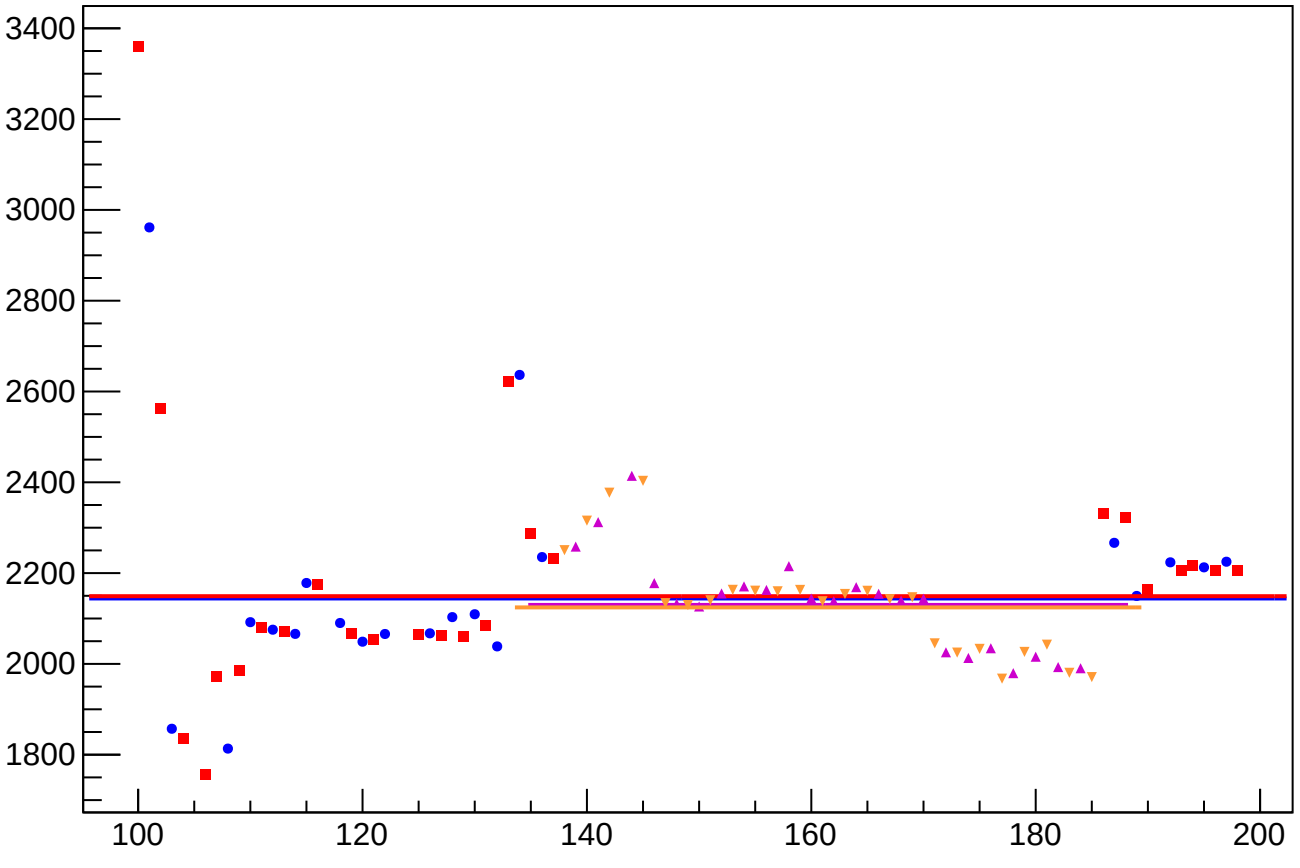
Right: 2479.027+/-0.400 χ^2/NDF: 7012286.1/45

In: 1440.295+/-0.202 χ^2/NDF:6937568.7/43

Out: 1445.879+/-0.200 χ^2/NDF:8745876.7/48

All: 1443.124+/-0.142 χ^2/NDF: 15683831.6/9


eigen_cor_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: -1224.250+/-660.665 χ²/NDF: 13.2/20
Left Out: -643.673+/-493.681 χ²/NDF:27.1/23
Right Out: 521.643+/-616.037 χ²/NDF: 20.5/24
Left In: -366.649+/-497.896 χ²/NDF:17.3/22
Left: -506.339+/-350.566 χ²/NDF: 44.6/46
Right: -290.349+/-450.555 χ²/NDF: 37.5/45
In: -677.295+/-397.623 χ²/NDF:31.6/43
Out: -187.957+/-385.240 χ²/NDF:49.9/48
All: -424.888+/-276.680 χ²/NDF: 82.2/92



Right In: 2144.148+/-0.467 χ^2/NDF: 200188.2/20

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2149.123+/-0.436 χ^2/NDF: 179372.4/24

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

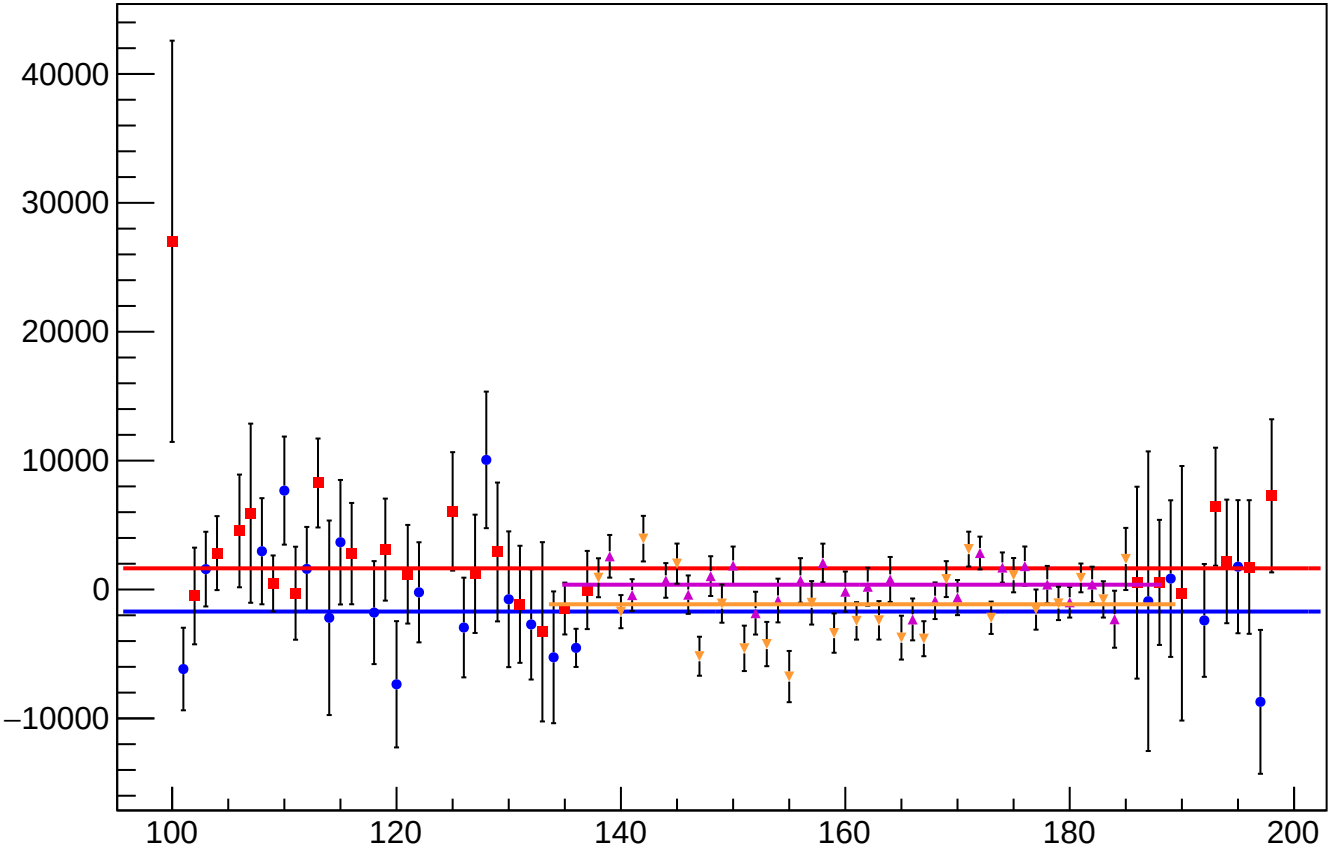
Right: 2146.809+/-0.319 χ^2/NDF: 379621.3/45

In: 2135.059+/-0.281 χ^2/NDF:286136.1/43

Out: 2134.091+/-0.272 χ^2/NDF:270512.1/48

All: 2134.560+/-0.196 χ^2/NDF: 556654.4/92

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1709.454+/-816.037 χ^2/NDF: 24.7/20

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1643.679+/-785.378 χ^2/NDF: 15.2/24

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

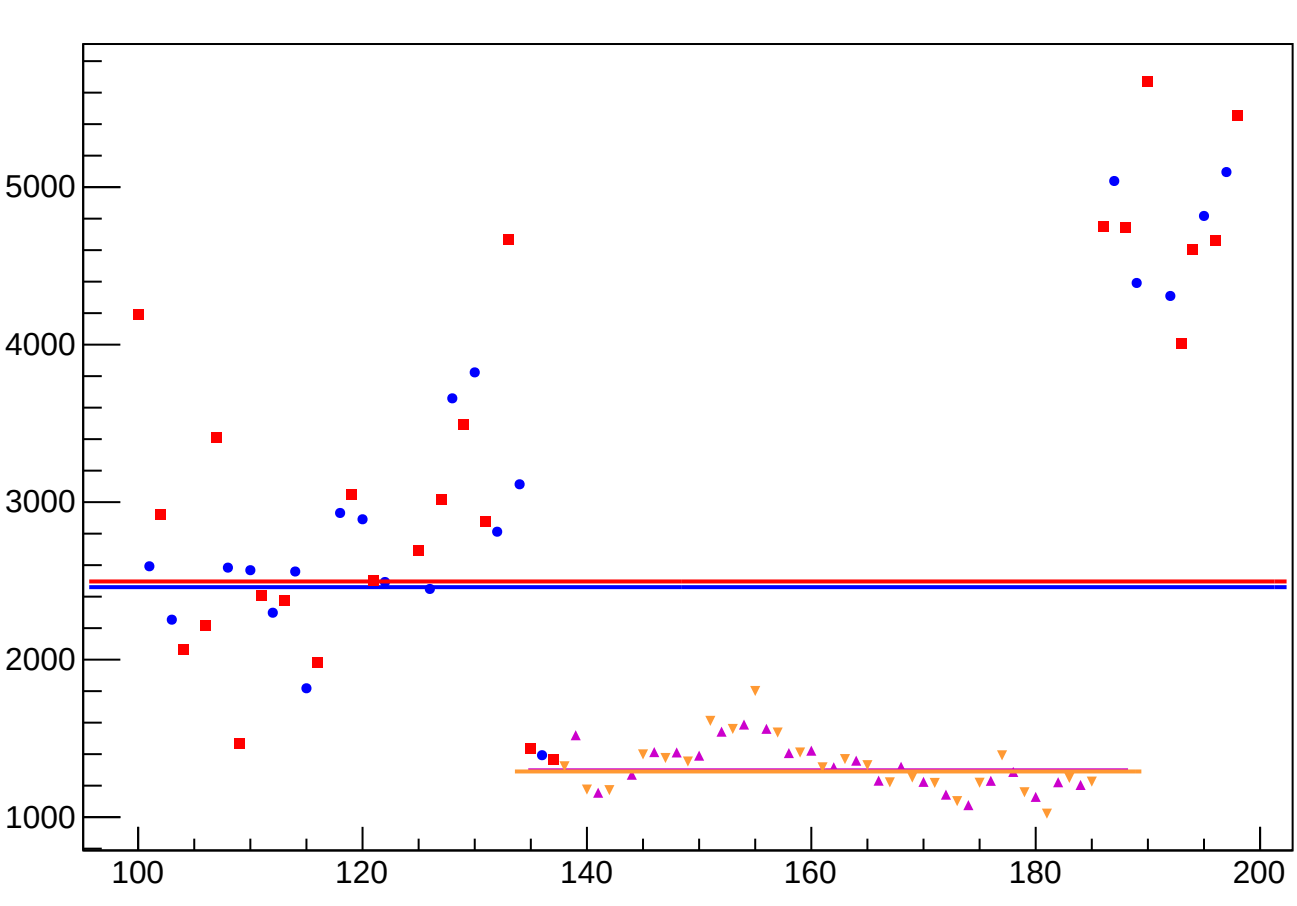
Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

Right: 31.284+/-565.875 χ^2/NDF: 48.7/45

In: 117.357+/-286.008 χ^2/NDF:50.8/43

Out: -784.568+/-282.277 χ^2/NDF:93.6/48

All: -339.526+/-200.906 χ^2/NDF: 149.5/92



Right In: 2460.260+/-0.577 χ^2/NDF: 2941501.1/20

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2496.411+/-0.555 χ^2/NDF: 4068747.4/24

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

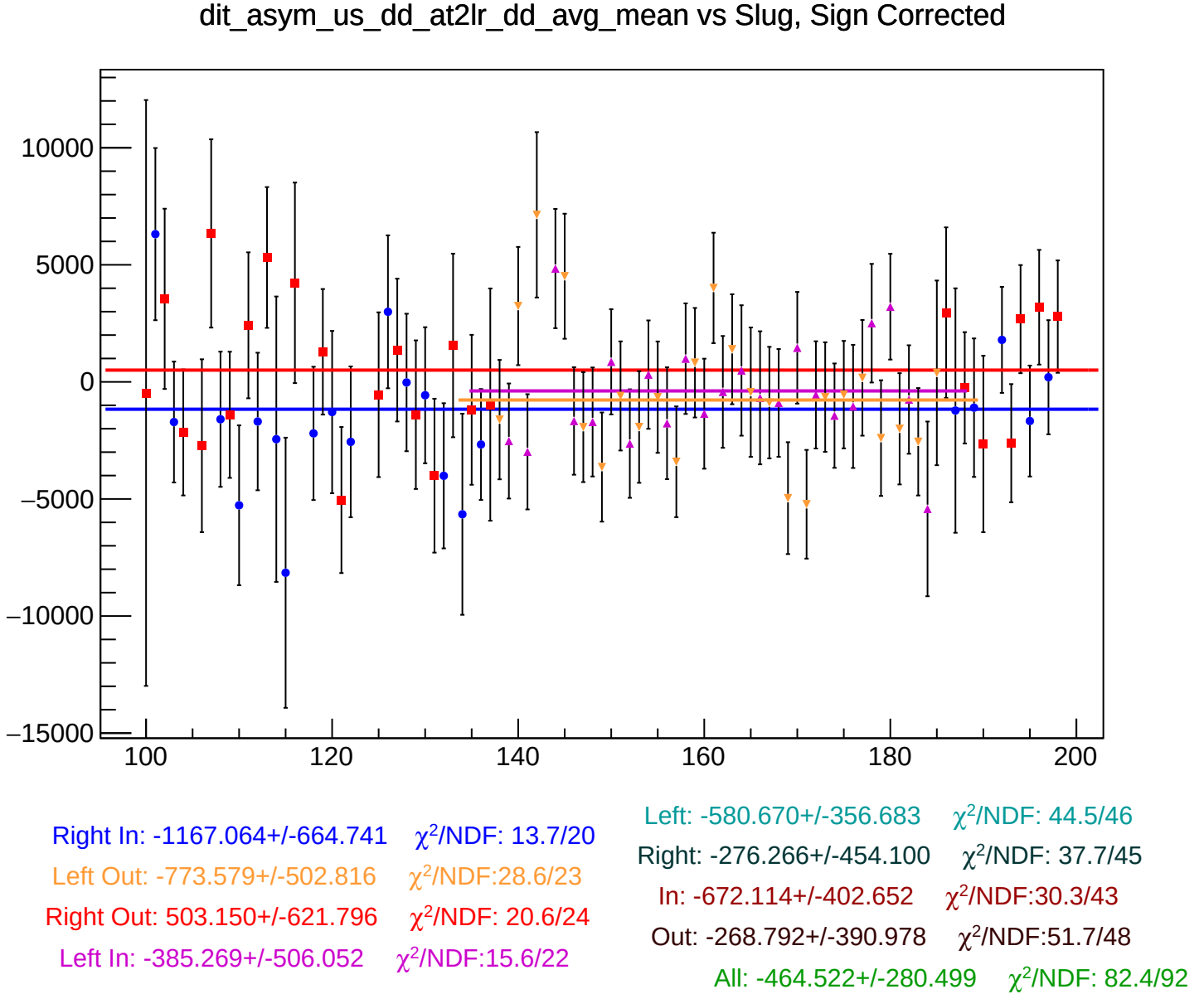
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2479.027+/-0.400 χ^2/NDF: 7012286.1/45

In: 1440.295+/-0.202 χ^2/NDF:6937568.7/43

Out: 1445.879+/-0.200 χ^2/NDF:8745876.7/48

All: 1443.124+/-0.142 χ^2/NDF: 15683831.6/9


dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
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−5000
−10000
−15000
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120
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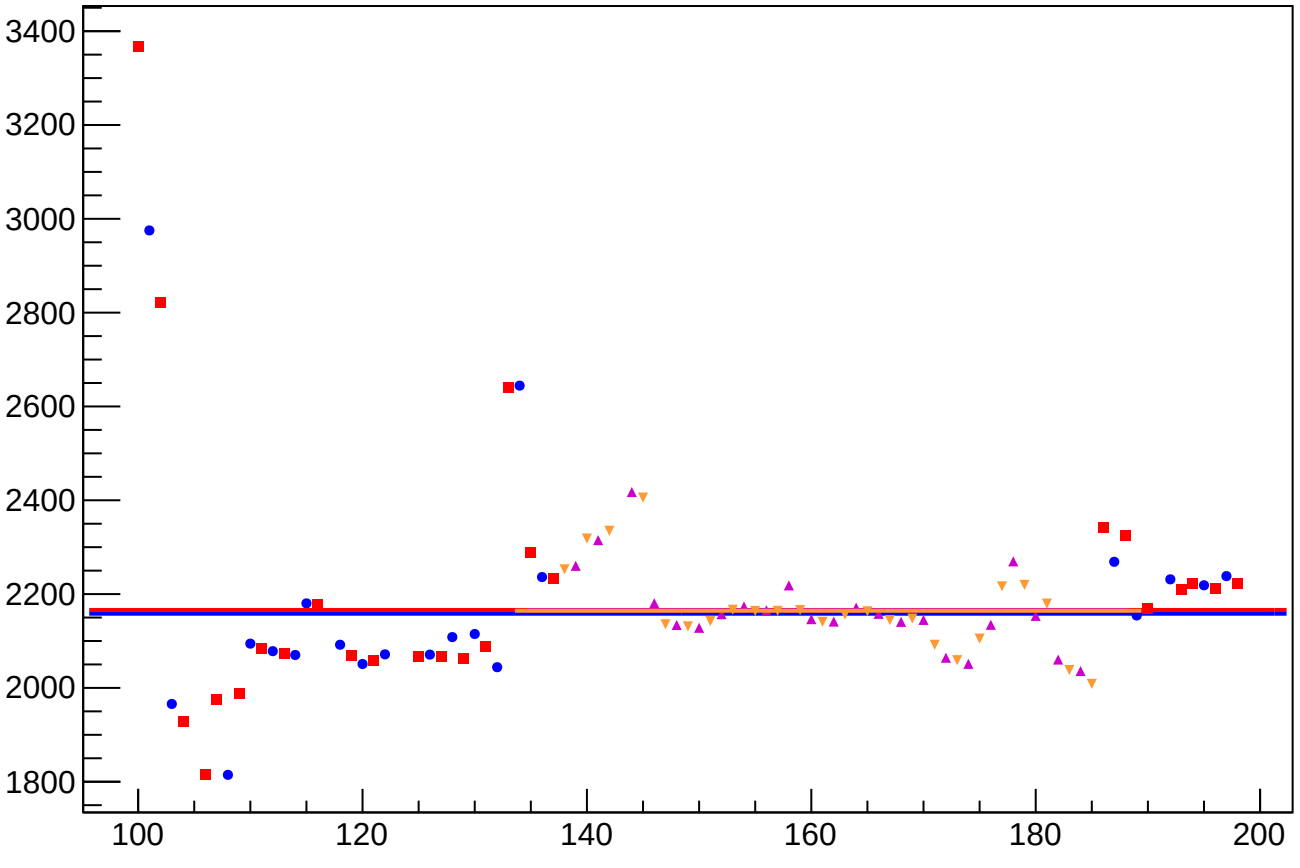
160
180
200
Right In: -1167.064+/-664.741 χ²/NDF: 13.7/20
Left Out: -773.579+/-502.816 χ²/NDF:28.6/23
Right Out: 503.150+/-621.796 χ²/NDF: 20.6/24
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.670+/-356.683 χ²/NDF: 44.5/46
Right: -276.266+/-454.100 χ²/NDF: 37.7/45
In: -672.114+/-402.652 χ²/NDF:30.3/43
Out: -268.792+/-390.978 χ²/NDF:51.7/48
All: -464.522+/-280.499 χ²/NDF: 82.4/92



Right In: 2158.175+/-0.470 χ^2/NDF: 184677.5/20

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2166.161+/-0.440 χ^2/NDF: 188104.5/24

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

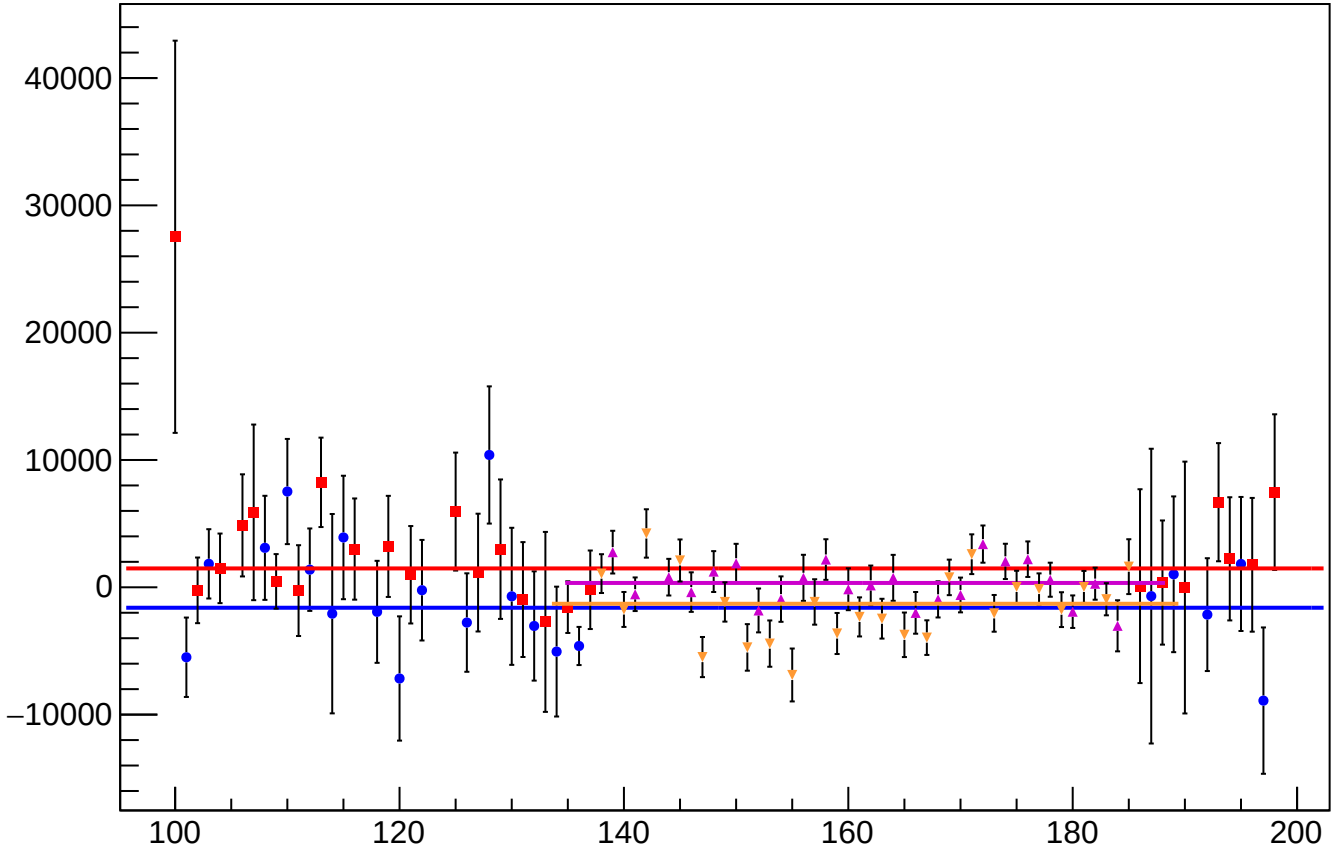
Right: 2162.434+/-0.321 χ^2/NDF: 372935.9/45

In: 2162.903+/-0.285 χ^2/NDF:236961.8/43

Out: 2165.176+/-0.276 χ^2/NDF:238789.0/48

All: 2164.073+/-0.198 χ^2/NDF: 475783.6/92

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1606.046+/-815.323 χ^2/NDF: 24.9/20

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

Right Out: 1482.005+/-764.776 χ^2/NDF: 15.5/24

Left In: 341.259+/-315.566 χ^2/NDF:24.8/22

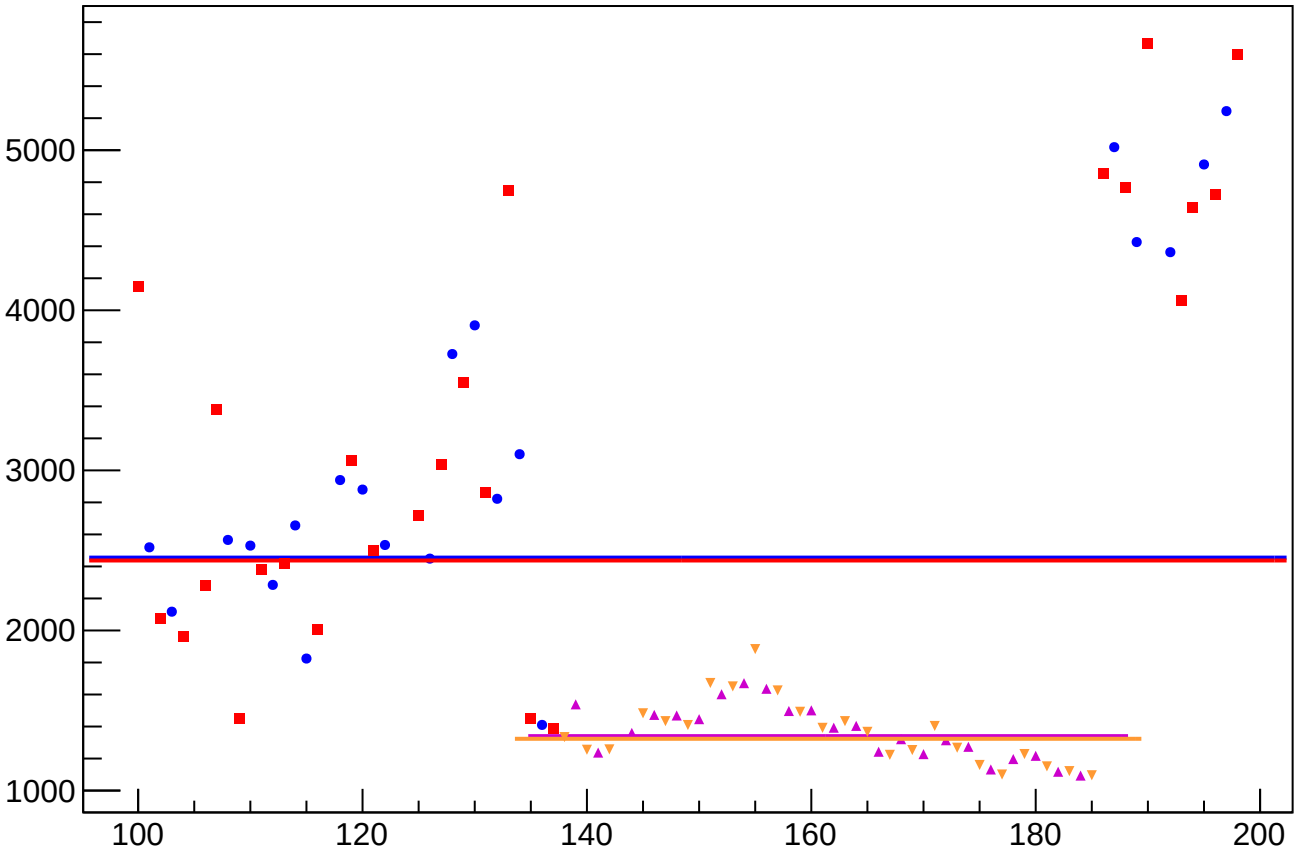
Left: -489.137+/-221.370 χ^2/NDF: 97.1/46

Right: 36.664+/-557.793 χ^2/NDF: 48.0/45

In: 87.553+/-294.292 χ^2/NDF:54.6/43

Out: -900.657+/-287.790 χ^2/NDF:85.5/48

All: -417.590+/-205.758 χ^2/NDF: 145.8/92



Right In: 2455.171+/-0.577 χ^2/NDF: 2978420.5/20

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

Right Out: 2437.158+/-0.541 χ^2/NDF: 4170356.4/24

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

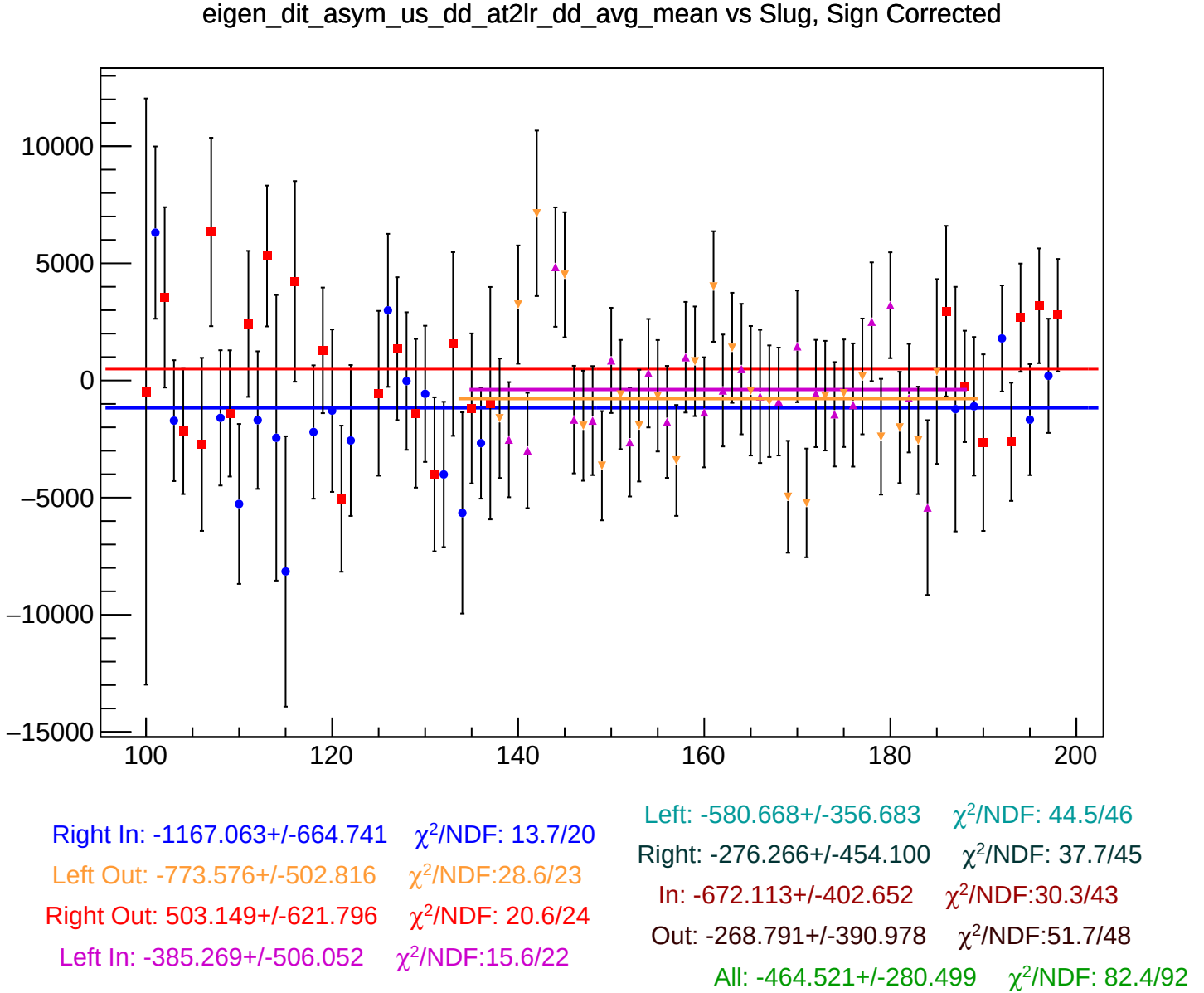
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

Right: 2445.589+/-0.394 χ^2/NDF: 7149296.1/45

In: 1485.364+/-0.208 χ^2/NDF:6726286.7/43

Out: 1481.117+/-0.203 χ^2/NDF:8475276.0/48

All: 1483.193+/-0.145 χ^2/NDF: 15201775.7/9


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
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−5000
−10000
−15000
100
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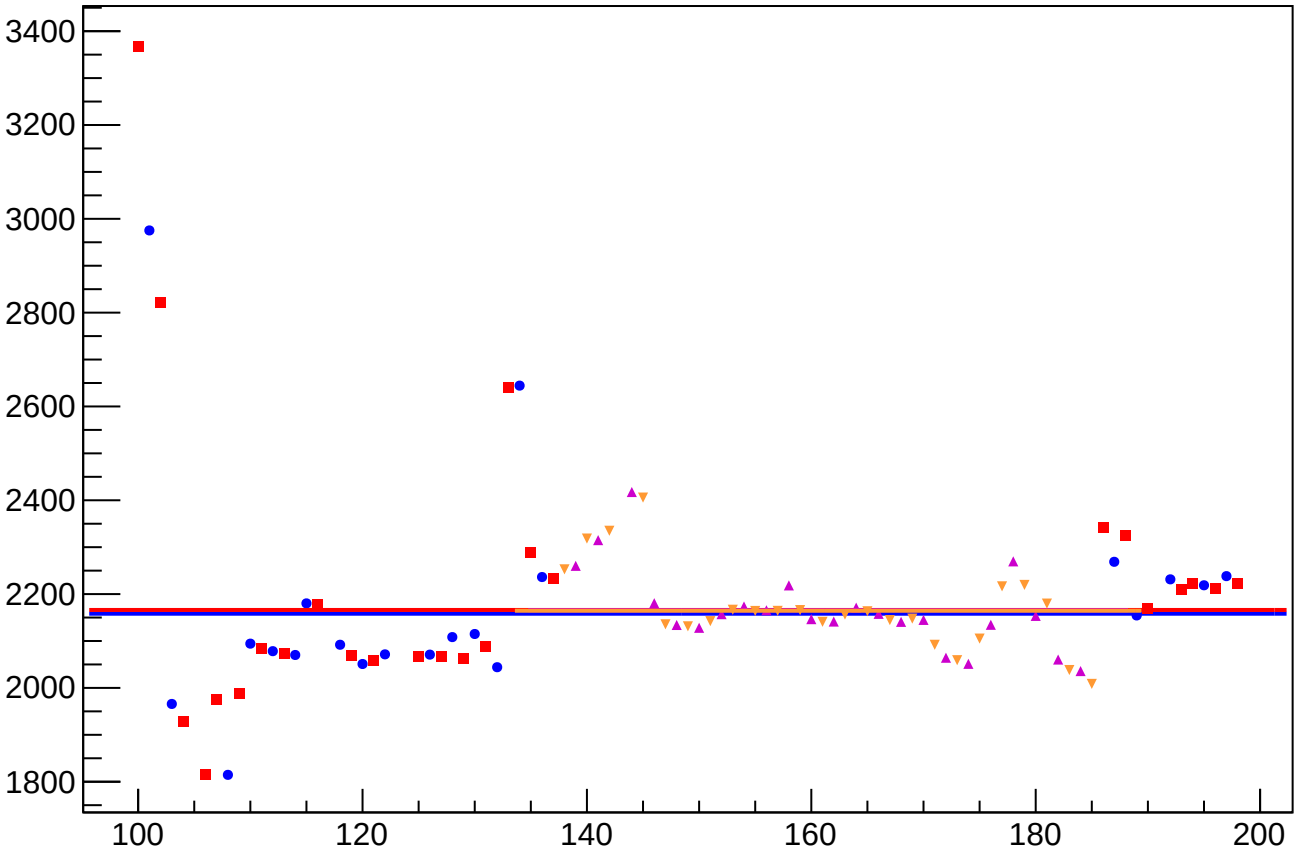
180
200
Right In: -1167.063+/-664.741 χ²/NDF: 13.7/20
Left Out: -773.576+/-502.816 χ²/NDF:28.6/23
Right Out: 503.149+/-621.796 χ²/NDF: 20.6/24
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.668+/-356.683 χ²/NDF: 44.5/46
Right: -276.266+/-454.100 χ²/NDF: 37.7/45
In: -672.113+/-402.652 χ²/NDF:30.3/43
Out: -268.791+/-390.978 χ²/NDF:51.7/48
All: -464.521+/-280.499 χ²/NDF: 82.4/92



Right In: 2158.175+/-0.470 χ^2/NDF: 184677.4/20

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2166.161+/-0.440 χ^2/NDF: 188104.3/24

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

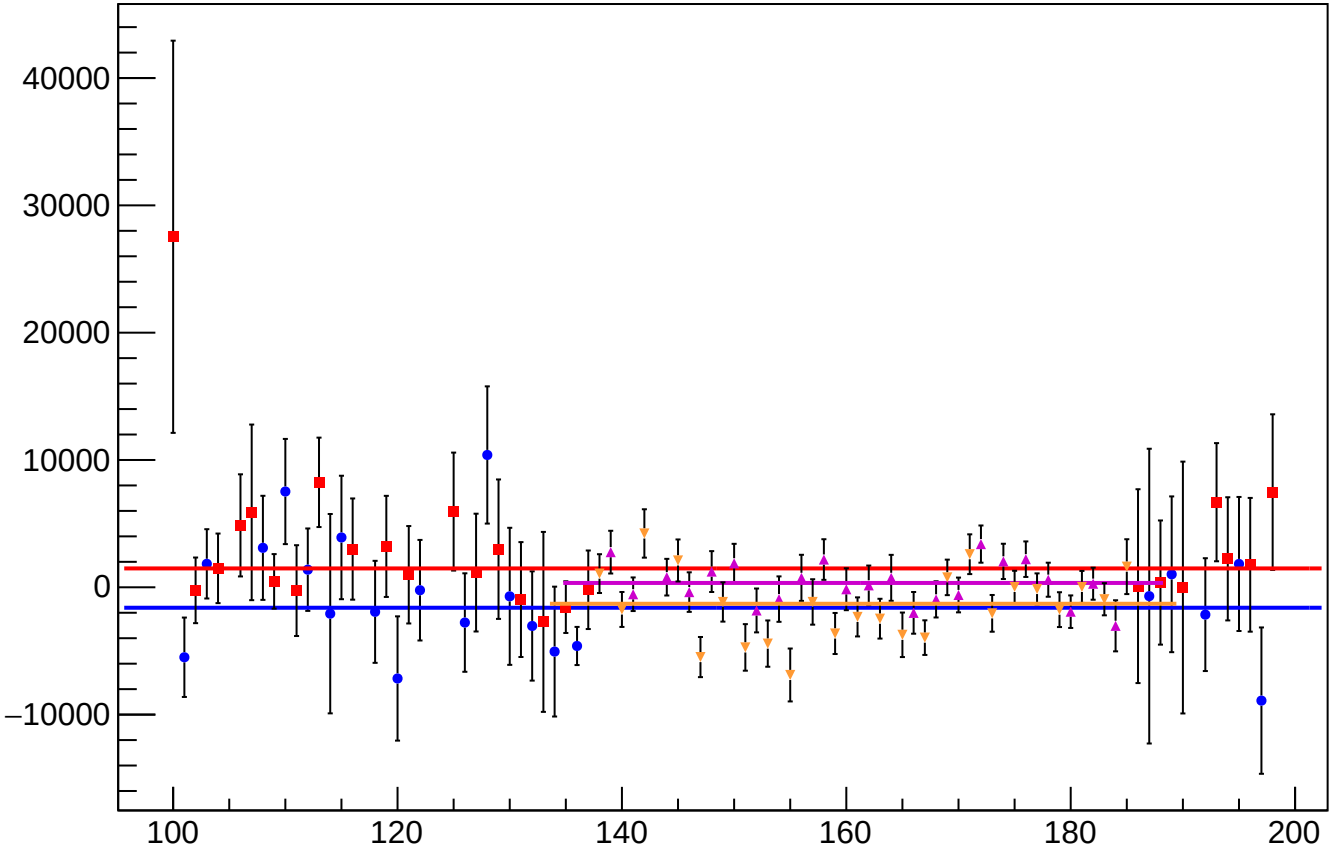
Right: 2162.434+/-0.321 χ^2/NDF: 372935.7/45

In: 2162.903+/-0.285 χ^2/NDF:236961.6/43

Out: 2165.176+/-0.276 χ^2/NDF:238789.0/48

All: 2164.073+/-0.198 χ^2/NDF: 475783.4/92

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1606.035+/-815.326 χ^2/NDF: 24.9/20

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

Right Out: 1482.022+/-764.779 χ^2/NDF: 15.5/24

Left In: 341.256+/-315.566 χ^2/NDF:24.8/22

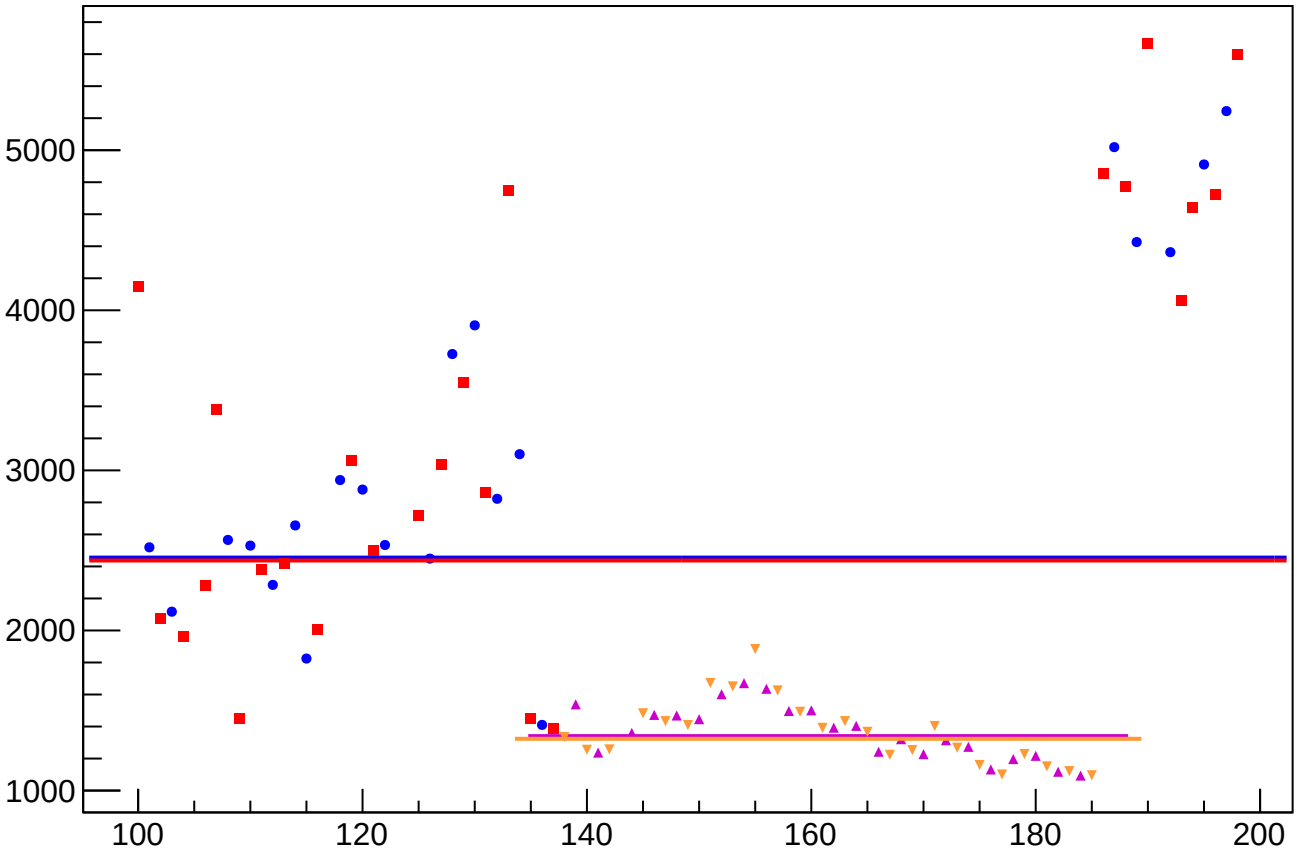
Left: -489.138+/-221.370 χ^2/NDF: 97.1/46

Right: 36.678+/-557.794 χ^2/NDF: 48.0/45

In: 87.553+/-294.292 χ^2/NDF:54.6/43

Out: -900.658+/-287.790 χ^2/NDF:85.5/48

All: -417.589+/-205.758 χ^2/NDF: 145.8/92



Right In: 2455.183+/-0.577 χ^2/NDF: 2978338.3/20

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2437.171+/-0.541 χ^2/NDF: 4170278.4/24

Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

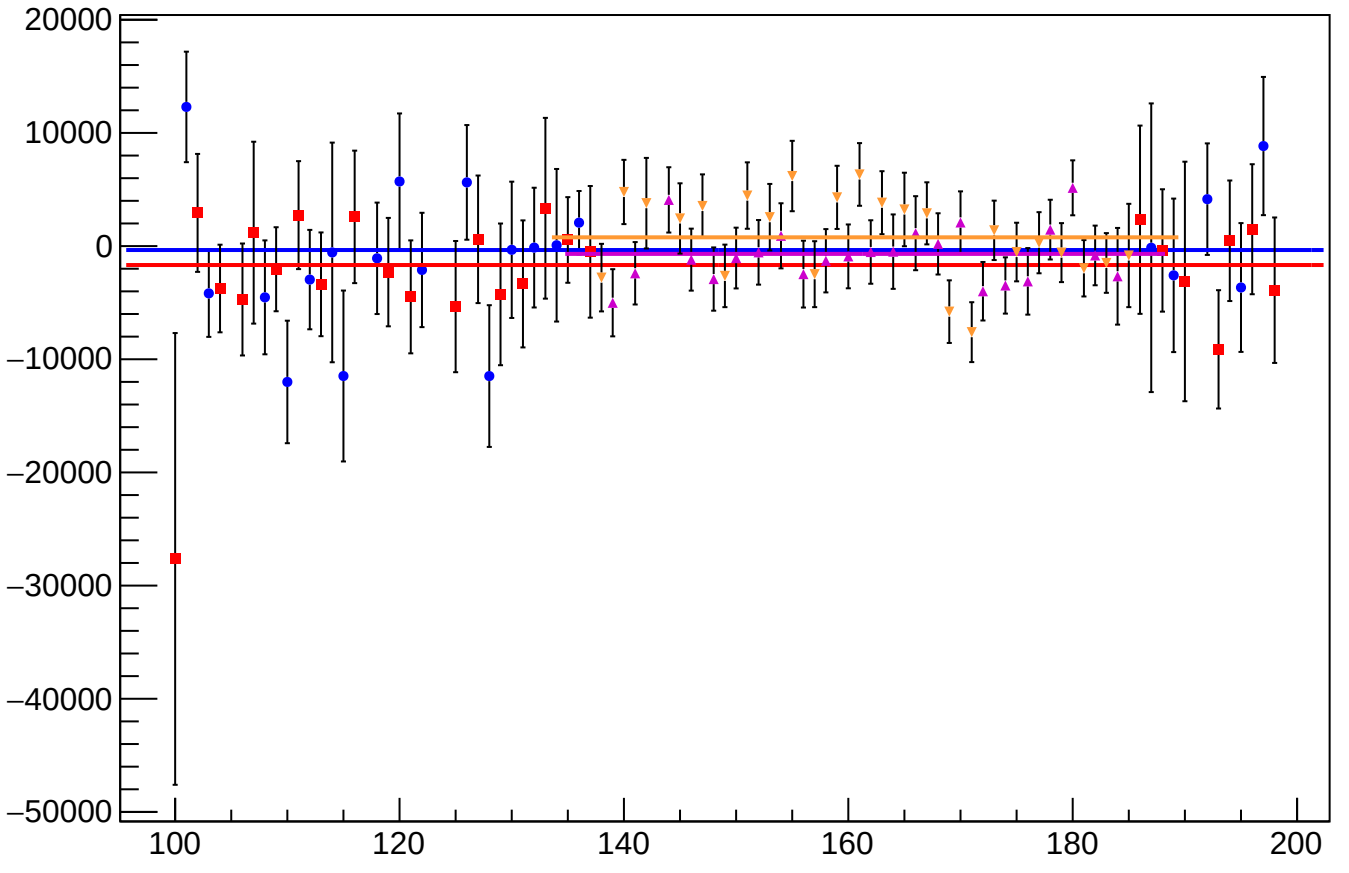
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2445.602+/-0.394 χ^2/NDF: 7149135.9/45

In: 1485.364+/-0.208 χ^2/NDF:6726279.7/43

Out: 1481.118+/-0.203 χ^2/NDF:8475261.5/48

All: 1483.193+/-0.145 χ^2/NDF: 15201754.0/9



Right In: -347.284+/-1135.693 χ^2/NDF: 25.6/20

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: -1672.830+/-1080.240 χ^2/NDF: 9.7/24

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

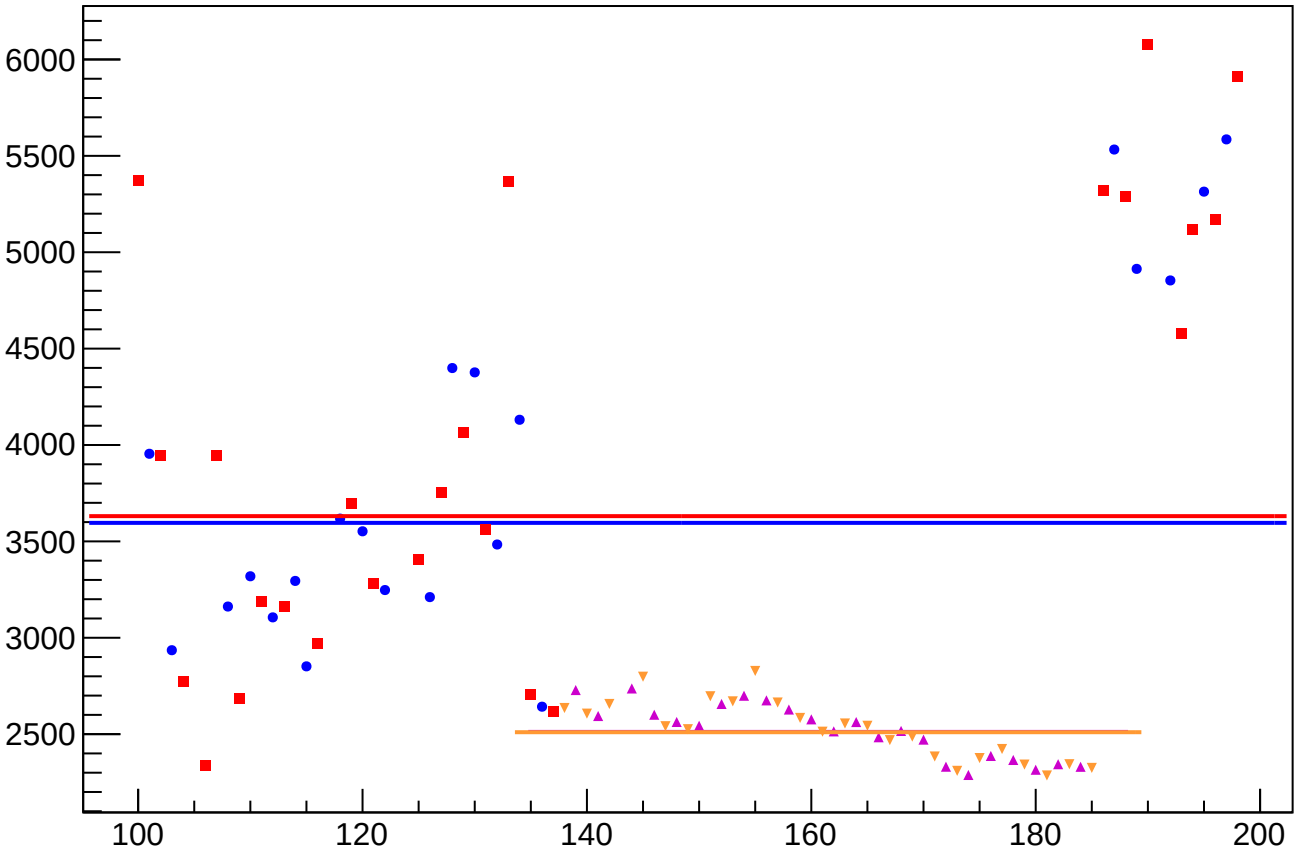
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -1043.208+/-782.715 χ^2/NDF: 35.9/45

In: -617.647+/-521.766 χ^2/NDF:44.0/43

Out: 221.666+/-513.522 χ^2/NDF:53.0/48

All: -191.308+/-365.995 χ^2/NDF: 98.3/92



Right In: 3596.072+/-0.803 χ^2/NDF: 1115700.1/20

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

Right Out: 3630.947+/-0.764 χ^2/NDF: 1747080.8/24

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

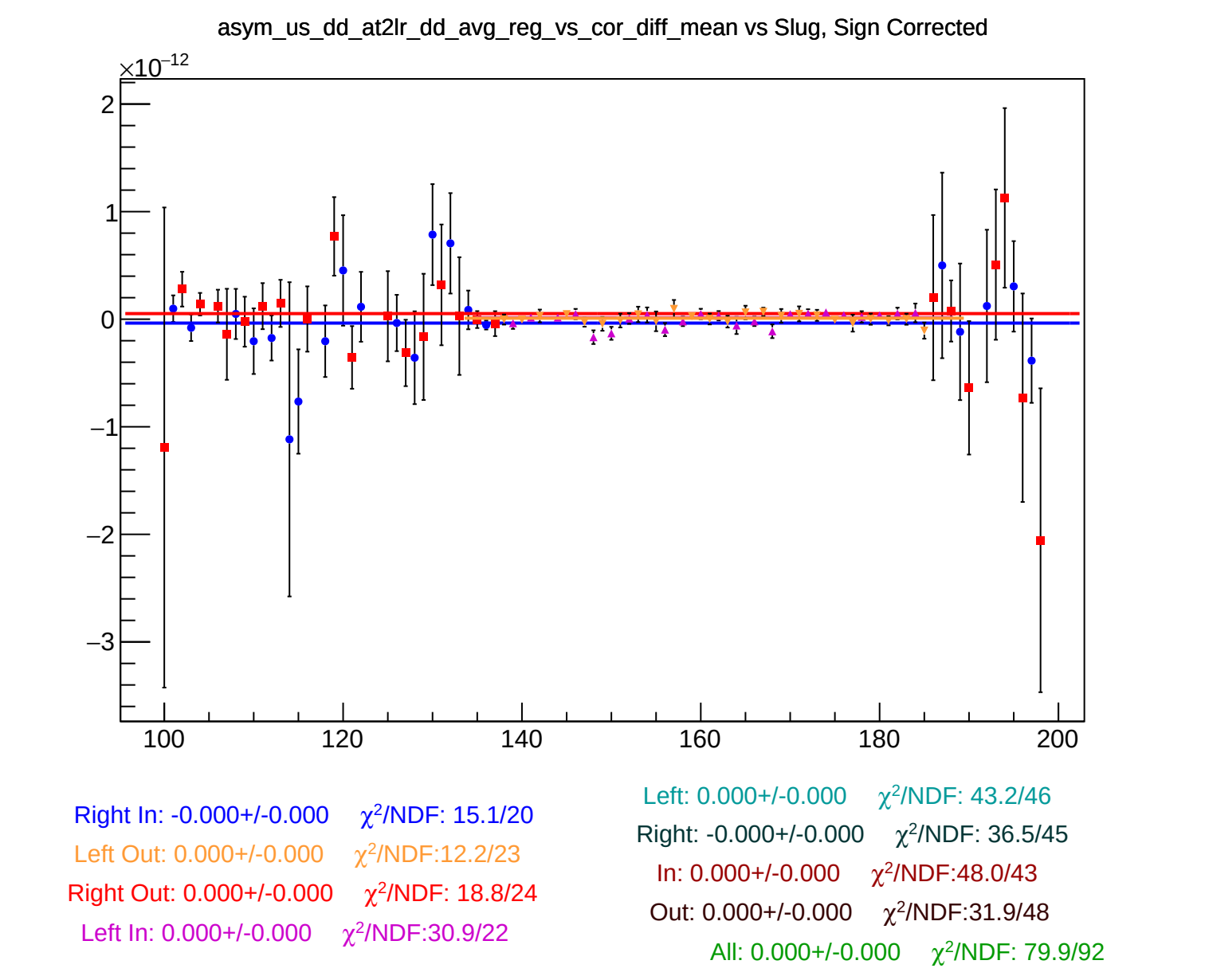
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

Right: 3614.382+/-0.553 χ^2/NDF: 2863771.1/45

In: 2740.511+/-0.369 χ^2/NDF:2667897.0/43

Out: 2763.373+/-0.363 χ^2/NDF:3542439.2/48

All: 2752.124+/-0.259 χ^2/NDF: 6212286.7/92


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
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−1
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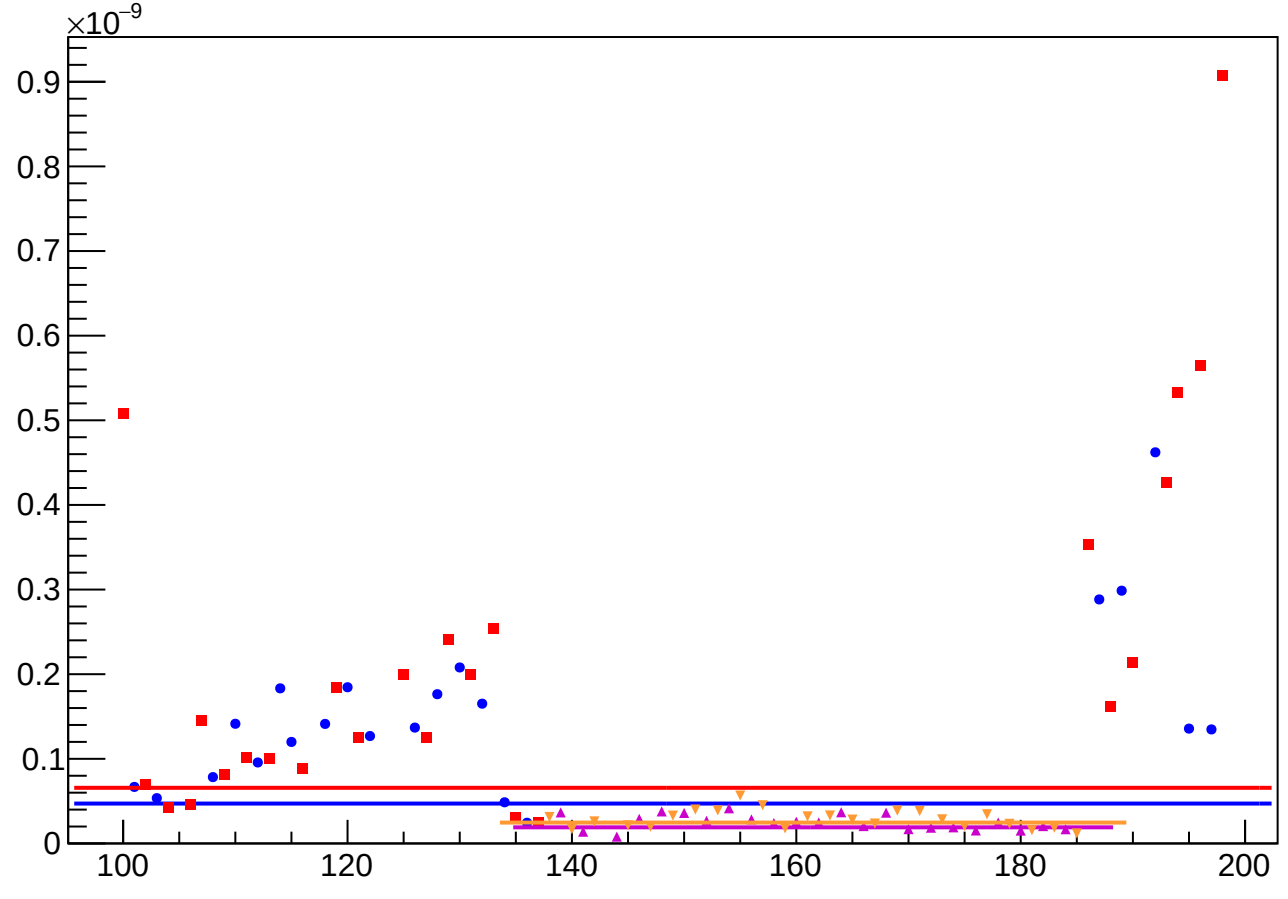
180
200
Right In: -0.000+/-0.000 χ²/NDF: 15.1/20
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 18.8/24
Left In: 0.000+/-0.000 χ²/NDF:30.9/22
Left: 0.000+/-0.000 χ²/NDF: 43.2/46
Right: -0.000+/-0.000 χ²/NDF: 36.5/45
In: 0.000+/-0.000 χ²/NDF:48.0/43
Out: 0.000+/-0.000 χ²/NDF:31.9/48
All: 0.000+/-0.000 χ²/NDF: 79.9/92



Right In: 0.000+/-0.000 χ^2/NDF: 3591658.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5182397.2/24

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

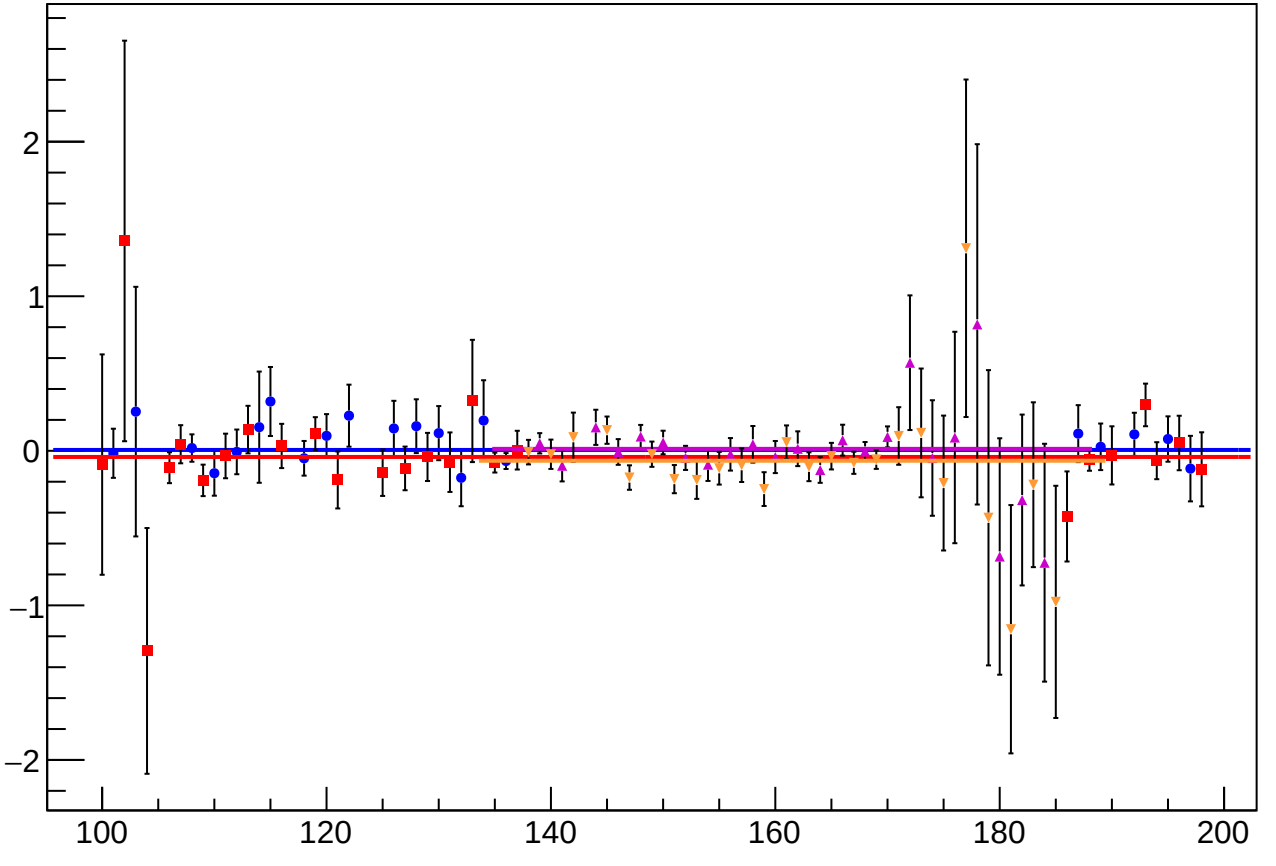
Right: 0.000+/-0.000 χ^2/NDF: 9007883.3/45

In: 0.000+/-0.000 χ^2/NDF:7066754.8/43

Out: 0.000+/-0.000 χ^2/NDF:8366674.9/48

All: 0.000+/-0.000 χ^2/NDF: 15894171.1/92

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.029 χ^2/NDF: 11.8/20

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.040+/-0.027 χ^2/NDF: 21.3/24

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

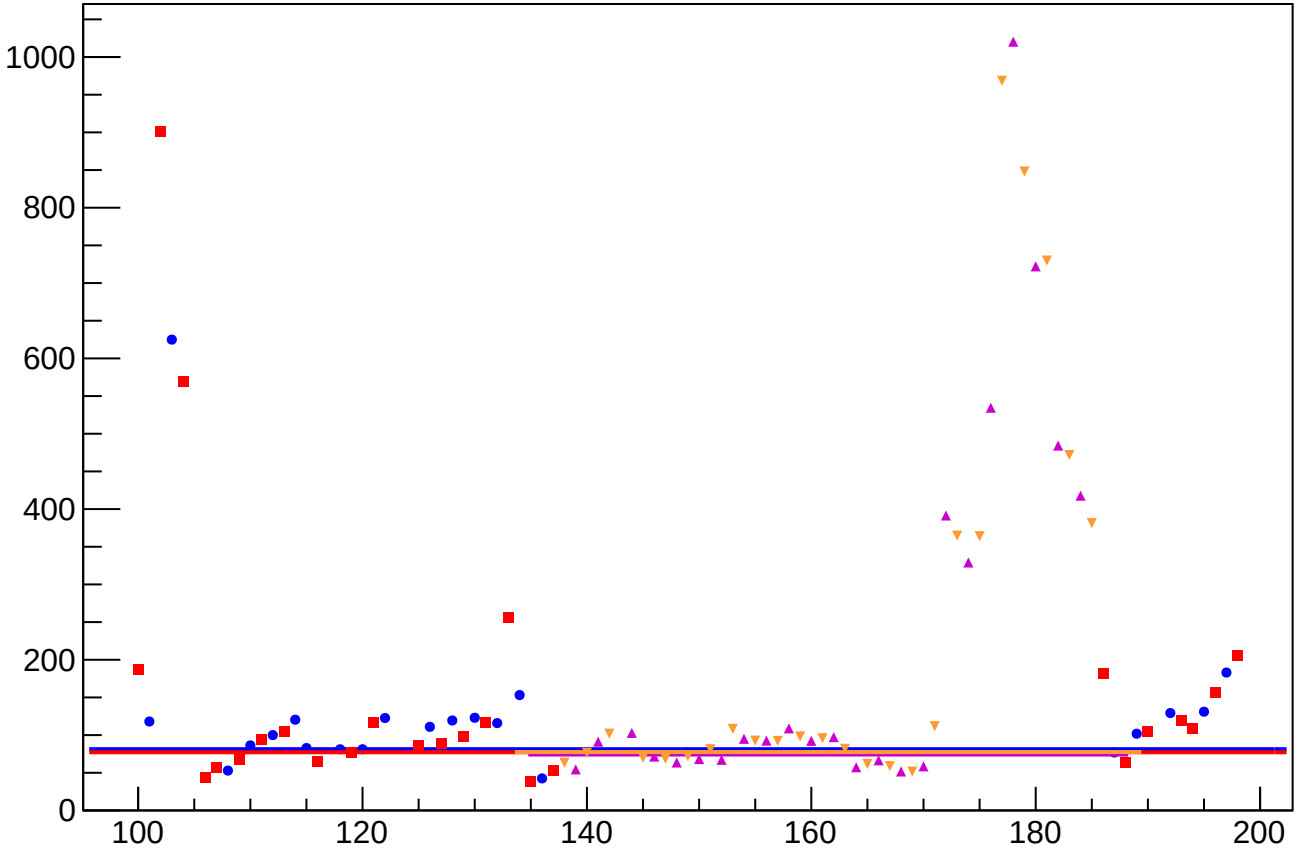
Right: -0.019+/-0.020 χ^2/NDF: 34.5/45

In: 0.010+/-0.017 χ^2/NDF:26.9/43

Out: -0.054+/-0.017 χ^2/NDF:44.2/48

All: -0.022+/-0.012 χ^2/NDF: 78.2/92

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 81.343+/-0.021 χ^2/NDF: 3945076.1/20

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 77.248+/-0.019 χ^2/NDF: 5154569.4/24

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

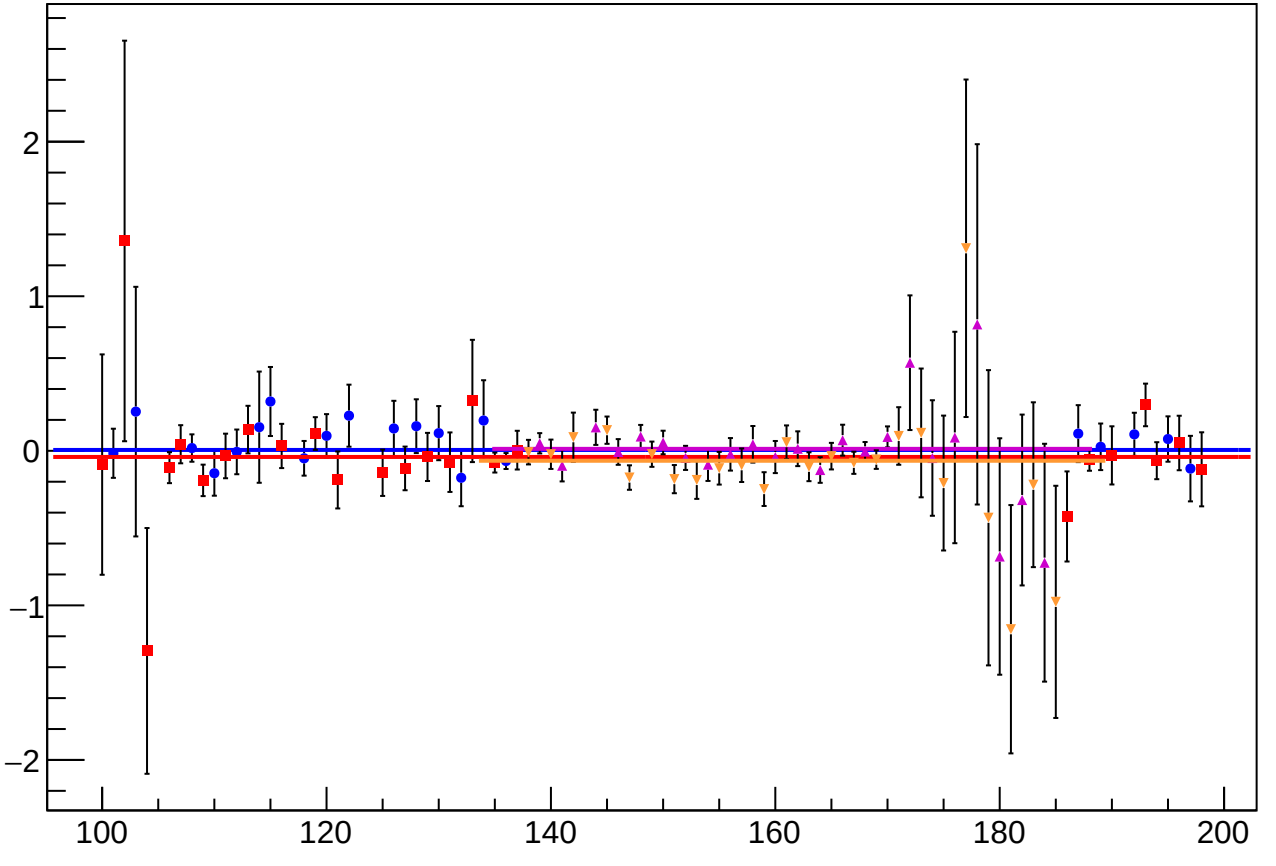
Right: 79.096+/-0.014 χ^2/NDF: 9120939.6/45

In: 76.642+/-0.012 χ^2/NDF:12536654.2/43

Out: 77.417+/-0.012 χ^2/NDF:13485899.4/48

All: 77.033+/-0.009 χ^2/NDF: 26024609.0/92

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.029 χ^2/NDF: 11.8/20

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.040+/-0.027 χ^2/NDF: 21.3/24

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

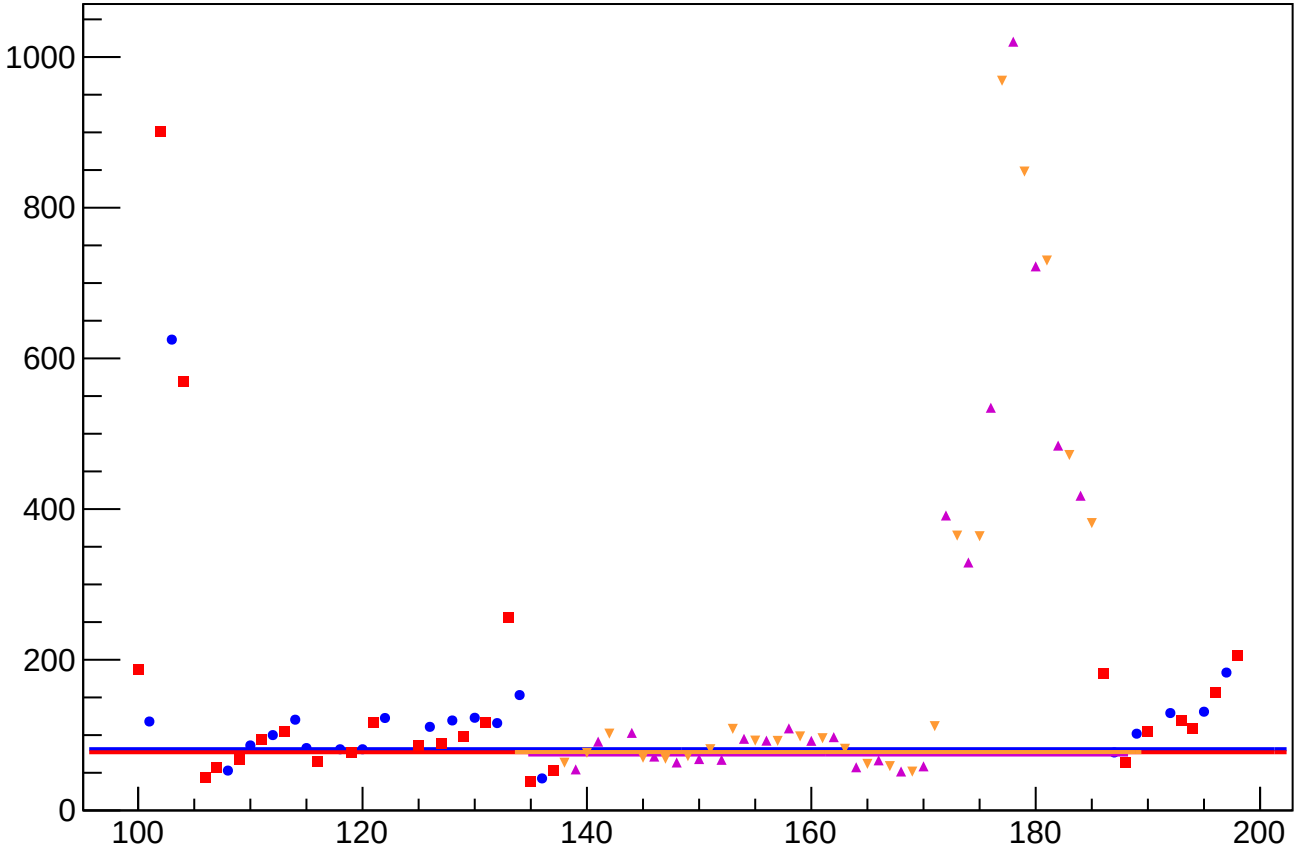
Right: -0.019+/-0.020 χ^2/NDF: 34.5/45

In: 0.010+/-0.017 χ^2/NDF:26.9/43

Out: -0.054+/-0.017 χ^2/NDF:44.2/48

All: -0.022+/-0.012 χ^2/NDF: 78.2/92

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 81.343+/-0.021 χ^2/NDF: 3945076.1/20

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 77.248+/-0.019 χ^2/NDF: 5154569.4/24

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

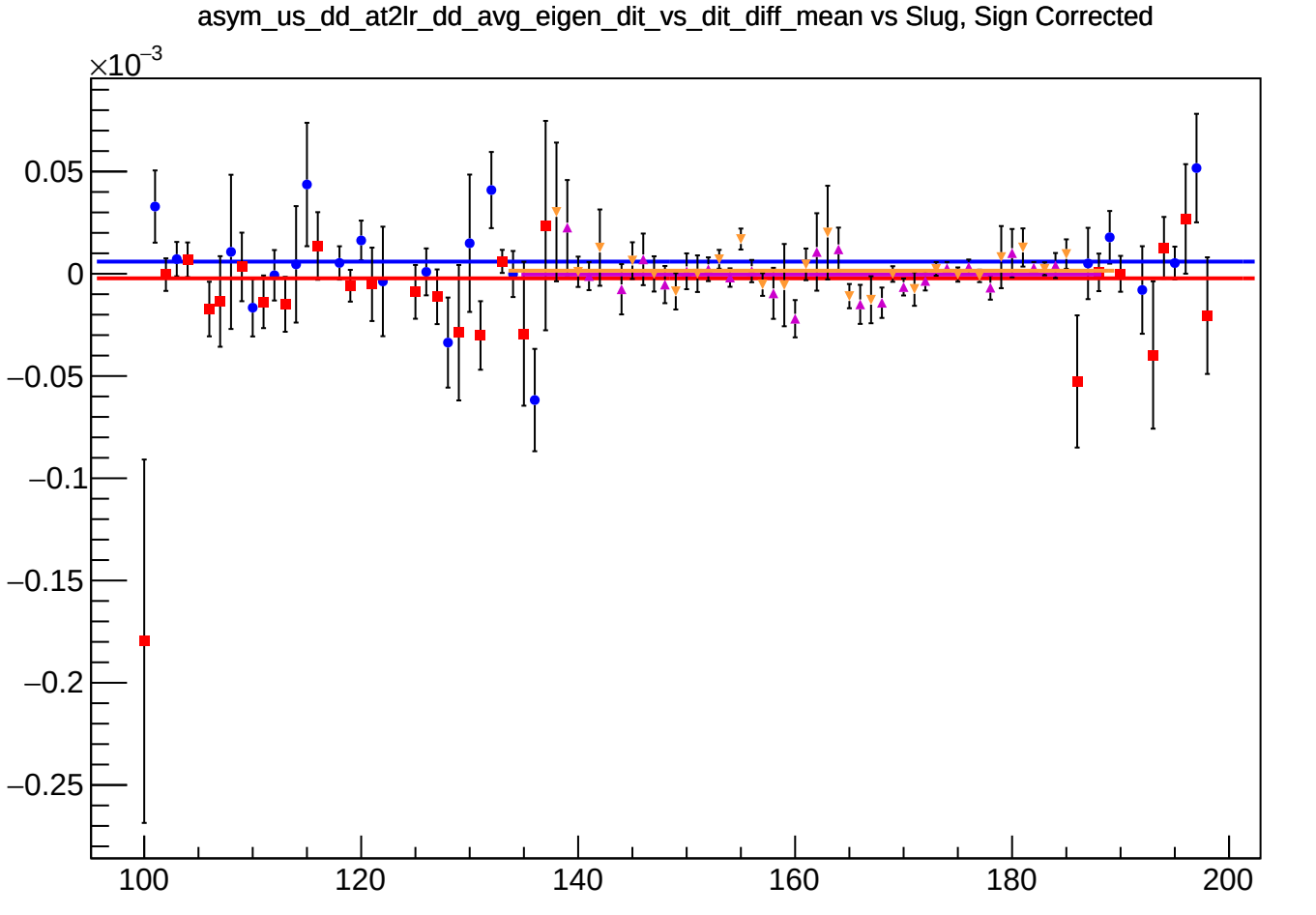
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 79.096+/-0.014 χ^2/NDF: 9120939.6/45

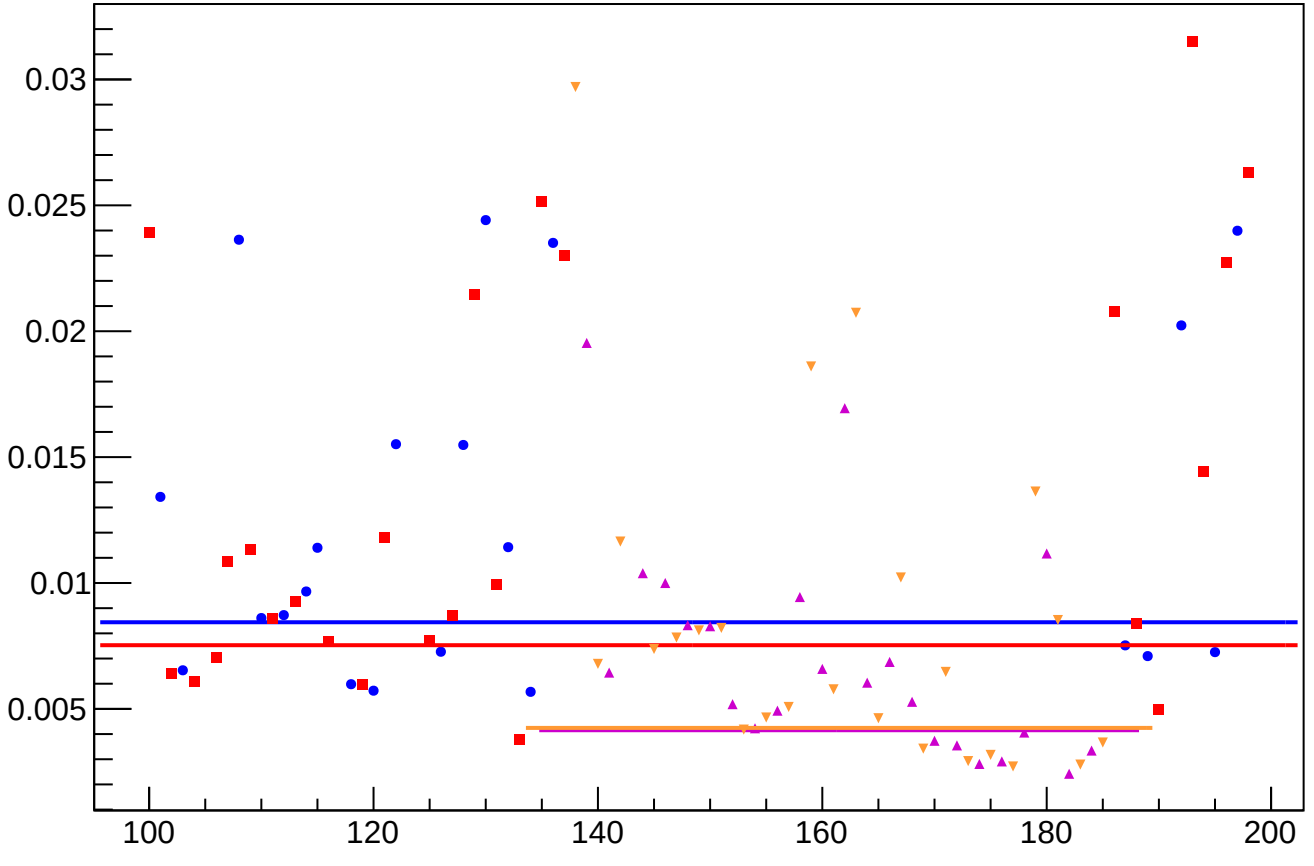
In: 76.642+/-0.012 χ^2/NDF:12536654.2/43

Out: 77.417+/-0.012 χ^2/NDF:13485899.4/48

All: 77.033+/-0.009 χ^2/NDF: 26024609.0/92


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 26.9/20
Left Out: 0.000+/-0.000 χ²/NDF:27.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 23.1/24
Left In: -0.000+/-0.000 χ²/NDF:24.6/22
Left: 0.000+/-0.000 χ²/NDF: 52.9/46
Right: 0.000+/-0.000 χ²/NDF: 54.4/45
In: 0.000+/-0.000 χ²/NDF:55.4/43
Out: 0.000+/-0.000 χ²/NDF:52.0/48
All: 0.000+/-0.000 χ²/NDF: 107.4/92

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 4028722.5/20

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.008+/-0.000 χ^2/NDF: 5878852.4/24

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

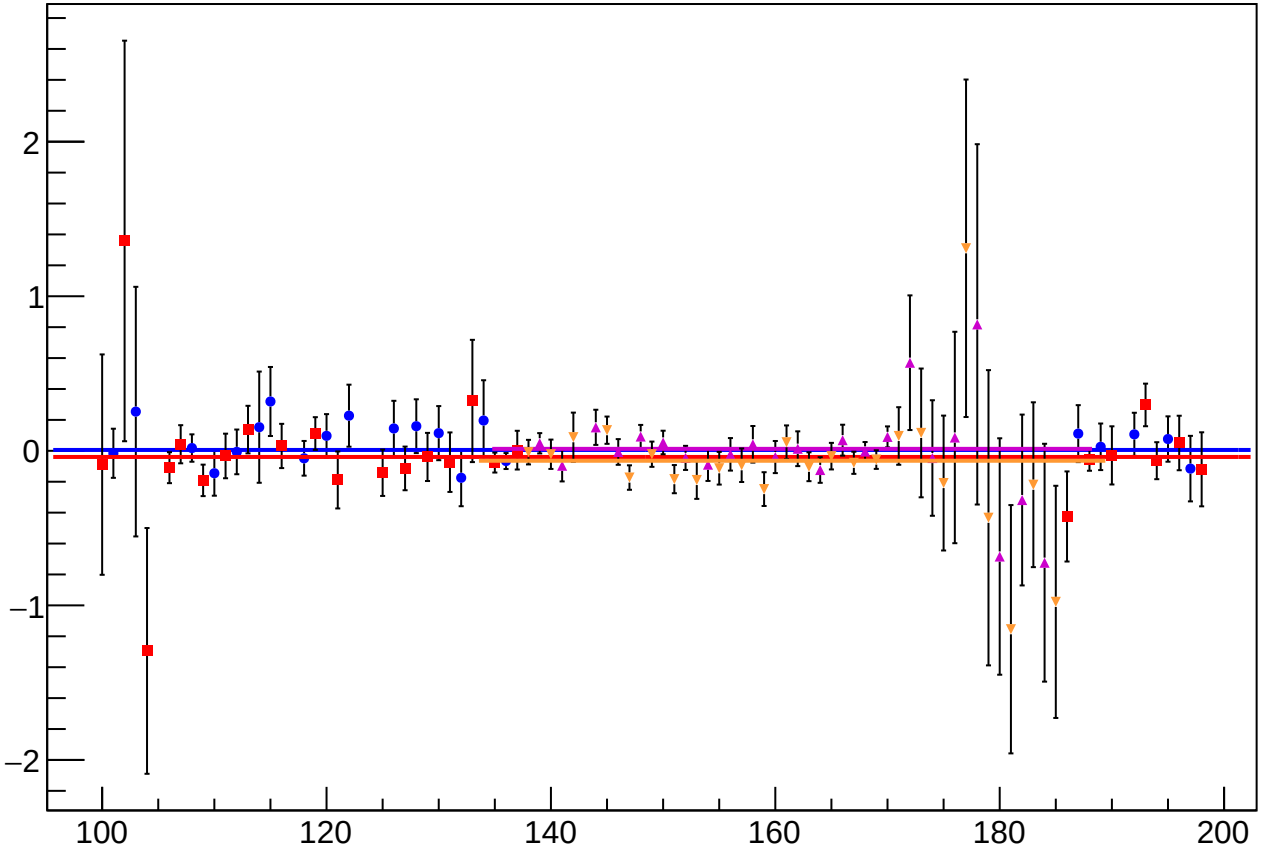
Right: 0.008+/-0.000 χ^2/NDF: 10015574.4/45

In: 0.005+/-0.000 χ^2/NDF:14430052.9/43

Out: 0.005+/-0.000 χ^2/NDF:17344258.6/48

All: 0.005+/-0.000 χ^2/NDF: 31781124.0/92

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.029 χ^2/NDF: 11.8/20

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.040+/-0.027 χ^2/NDF: 21.3/24

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

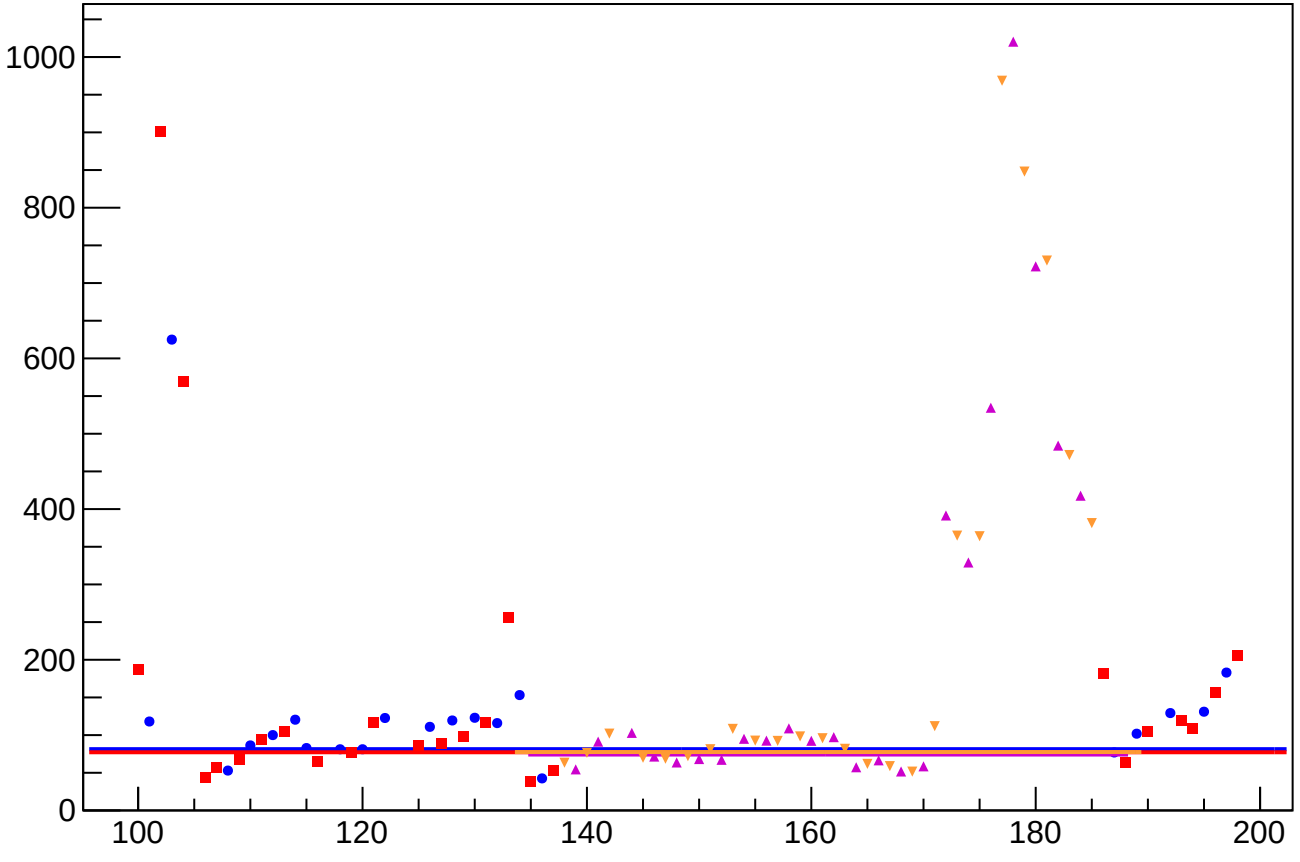
Right: -0.019+/-0.020 χ^2/NDF: 34.5/45

In: 0.010+/-0.017 χ^2/NDF:26.9/43

Out: -0.054+/-0.017 χ^2/NDF:44.2/48

All: -0.022+/-0.012 χ^2/NDF: 78.2/92

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 81.367+/-0.021 χ^2/NDF: 3941895.3/20

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 77.239+/-0.019 χ^2/NDF: 5155919.3/24

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

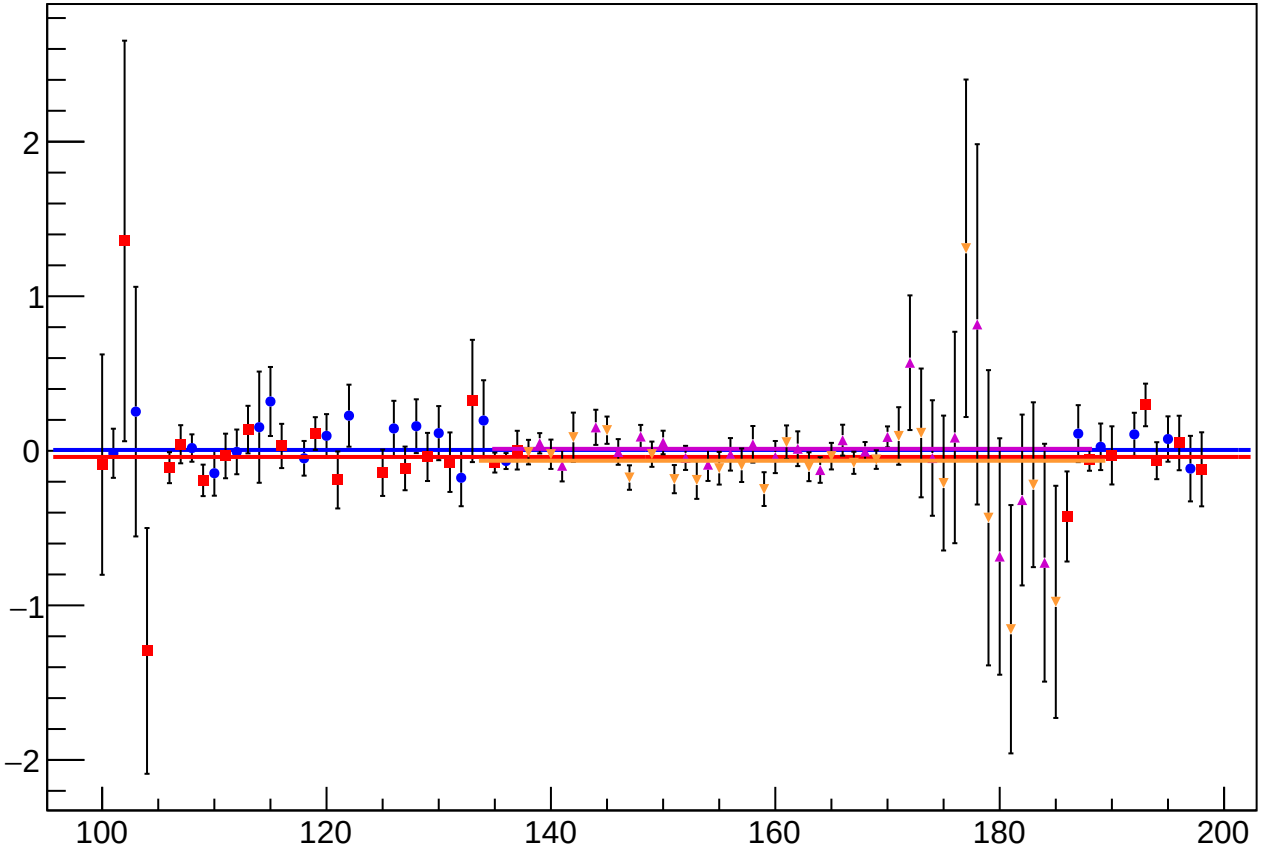
Right: 79.101+/-0.014 χ^2/NDF: 9119440.9/45

In: 76.651+/-0.012 χ^2/NDF:12533652.5/43

Out: 77.413+/-0.012 χ^2/NDF:13487170.0/48

All: 77.035+/-0.009 χ^2/NDF: 26022814.4/92

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.029 χ^2/NDF: 11.8/20

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.040+/-0.027 χ^2/NDF: 21.3/24

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

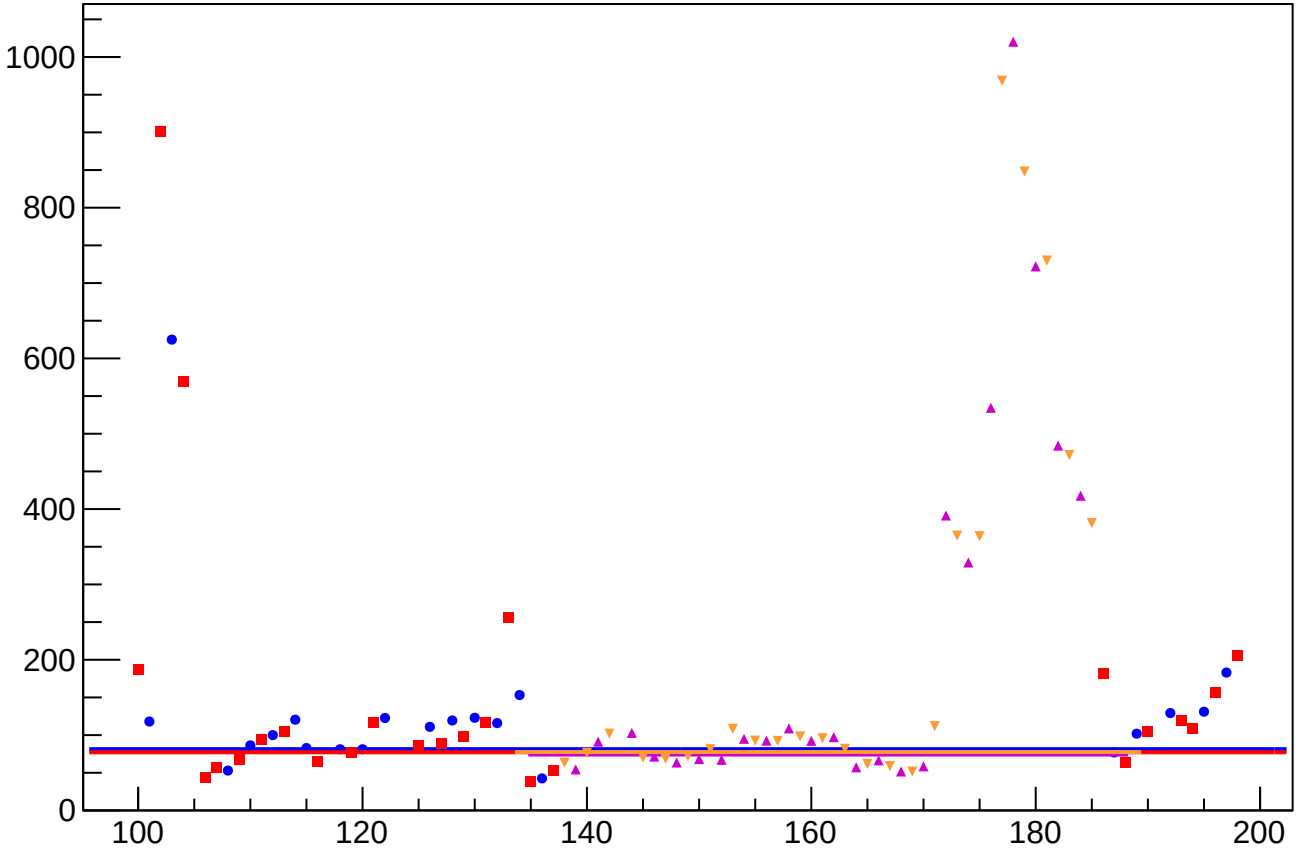
Right: -0.019+/-0.020 χ^2/NDF: 34.5/45

In: 0.010+/-0.017 χ^2/NDF:26.9/43

Out: -0.054+/-0.017 χ^2/NDF:44.2/48

All: -0.022+/-0.012 χ^2/NDF: 78.2/92

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 81.367+/-0.021 χ^2/NDF: 3941895.3/20

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 77.239+/-0.019 χ^2/NDF: 5155919.3/24

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

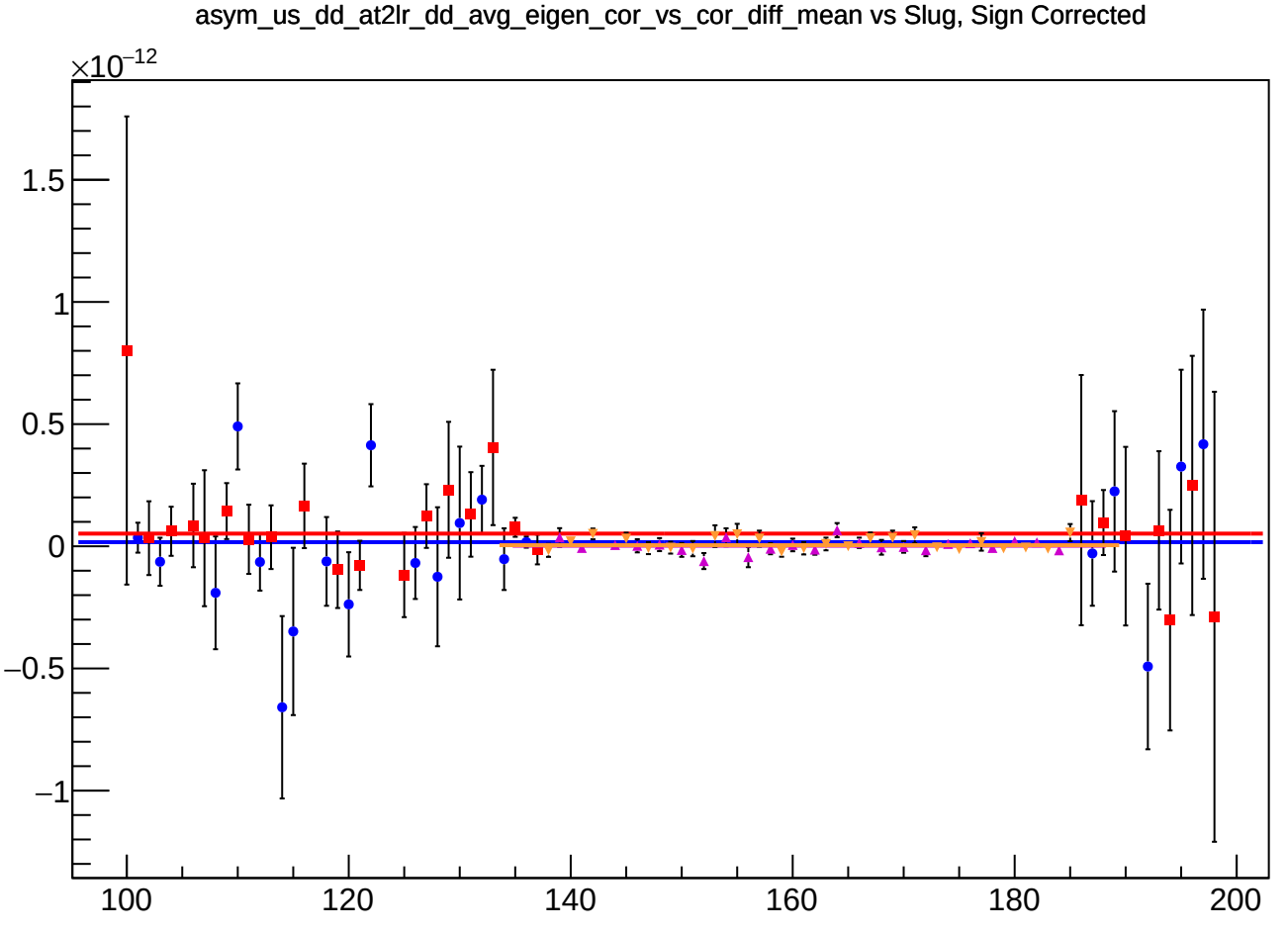
Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

Right: 79.101+/-0.014 χ^2/NDF: 9119440.9/45

In: 76.651+/-0.012 χ^2/NDF:12533652.5/43

Out: 77.413+/-0.012 χ^2/NDF:13487170.0/48

All: 77.035+/-0.009 χ^2/NDF: 26022814.4/92



Right In: 0.000+/-0.000 χ^2/NDF: 27.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10.1/24

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

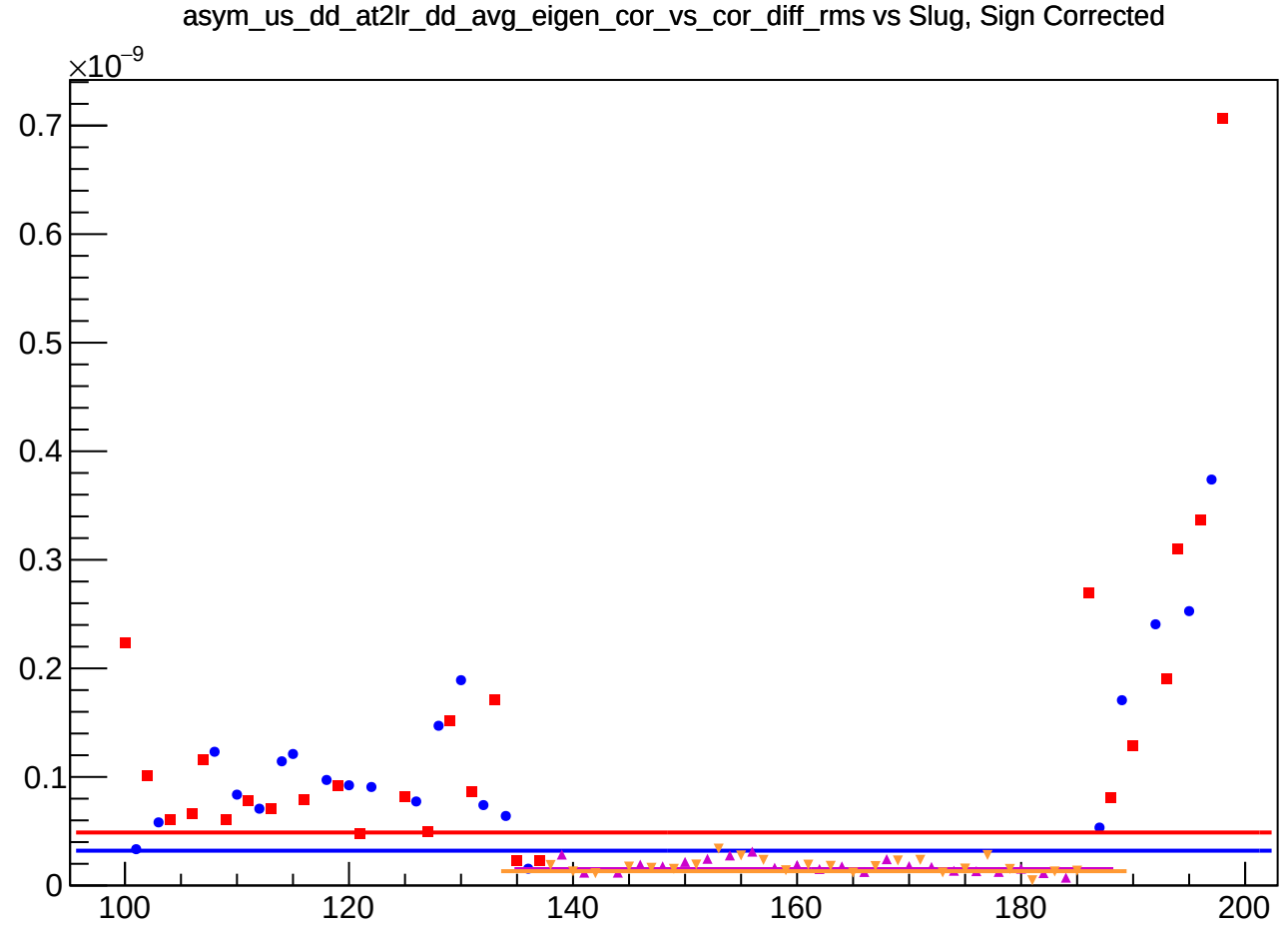
Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

Right: 0.000+/-0.000 χ^2/NDF: 38.6/45

In: 0.000+/-0.000 χ^2/NDF:45.3/43

Out: 0.000+/-0.000 χ^2/NDF:35.5/48

All: 0.000+/-0.000 χ^2/NDF: 81.0/92



Right In: 0.000+/-0.000 χ^2/NDF: 6631109.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6092265.8/24

Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

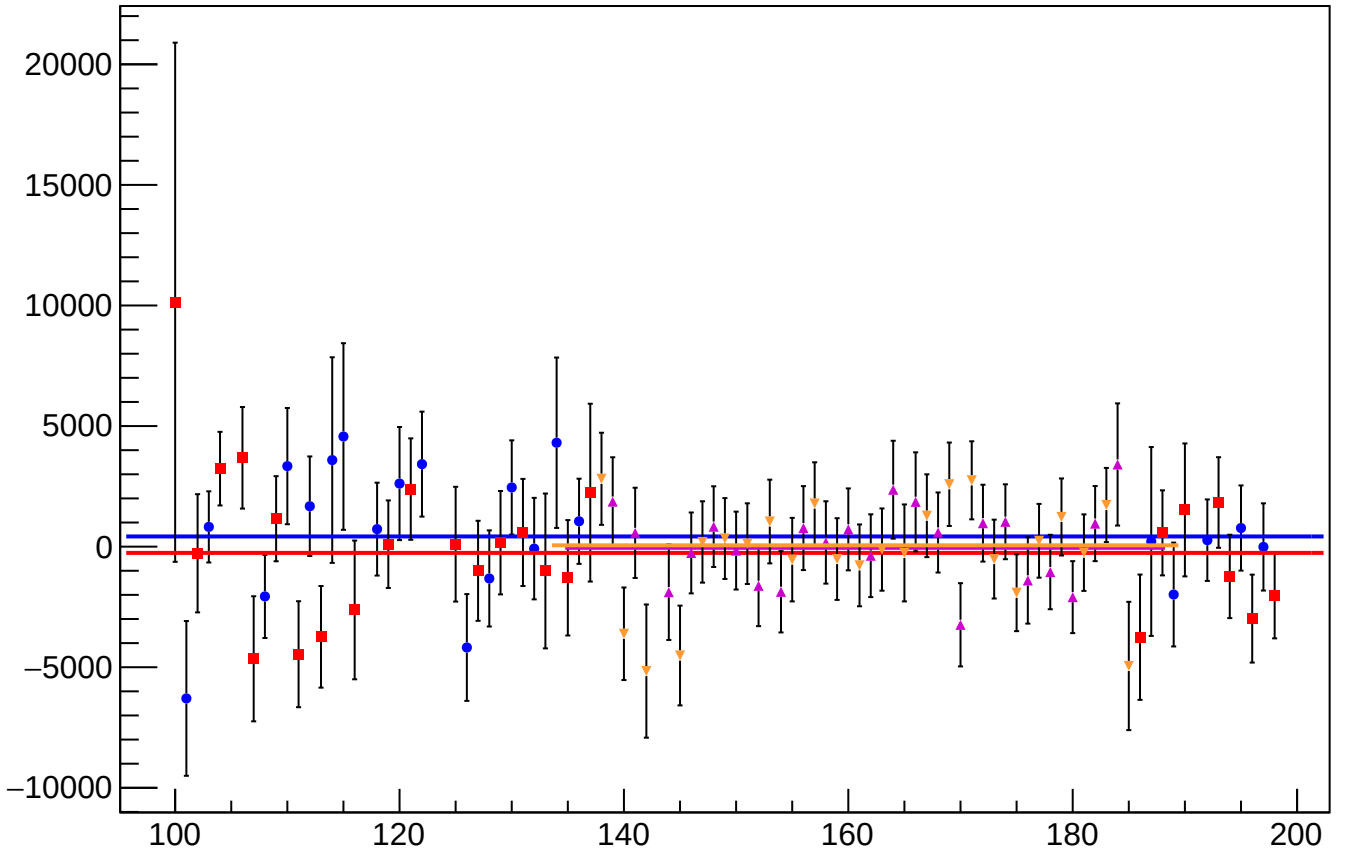
Left: 0.000+/-0.000 χ^2/NDF: 6568948.9/46

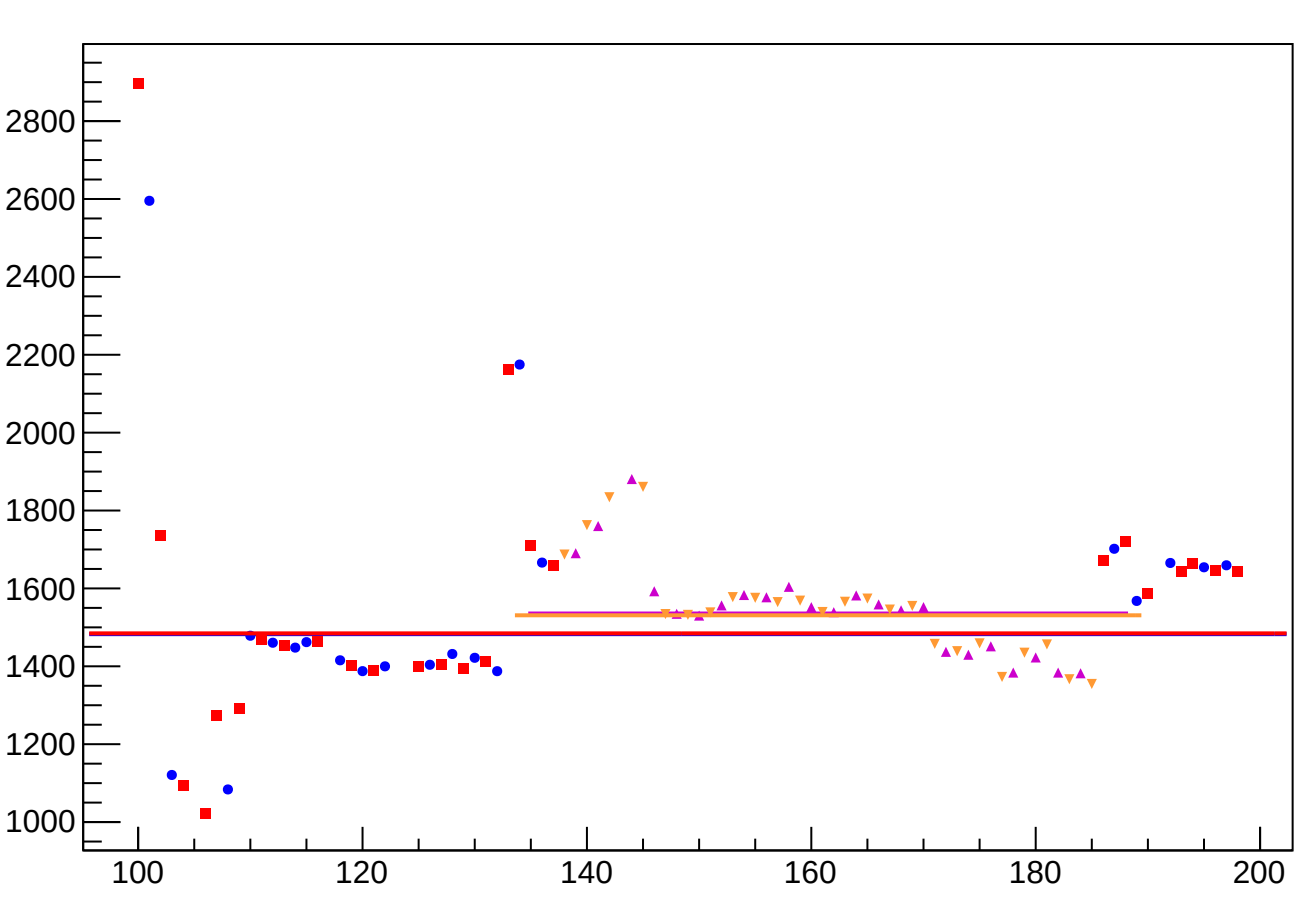
Right: 0.000+/-0.000 χ^2/NDF: 13313756.0/45

In: 0.000+/-0.000 χ^2/NDF:10258424.5/43

Out: 0.000+/-0.000 χ^2/NDF:14543980.1/48

All: 0.000+/-0.000 χ^2/NDF: 24961470.0/92


reg_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: 422.796+/-461.945 χ²/NDF: 21.8/20
Left Out: 54.770+/-356.375 χ²/NDF:28.5/23
Right Out: -258.862+/-430.528 χ²/NDF: 30.1/24
Left In: -48.177+/-359.531 χ²/NDF:16.8/22
Left: 3.751+/-253.103 χ²/NDF: 45.3/46
Right: 58.001+/-314.951 χ²/NDF: 53.1/45
In: 129.491+/-283.725 χ²/NDF:39.2/43
Out: -72.751+/-274.525 χ²/NDF:58.9/48
All: 25.038+/-197.291 χ²/NDF: 98.4/92



Right In: 1482.556+/-0.327 χ^2/NDF: 655837.3/20

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

Right Out: 1484.573+/-0.304 χ^2/NDF: 568641.9/24

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

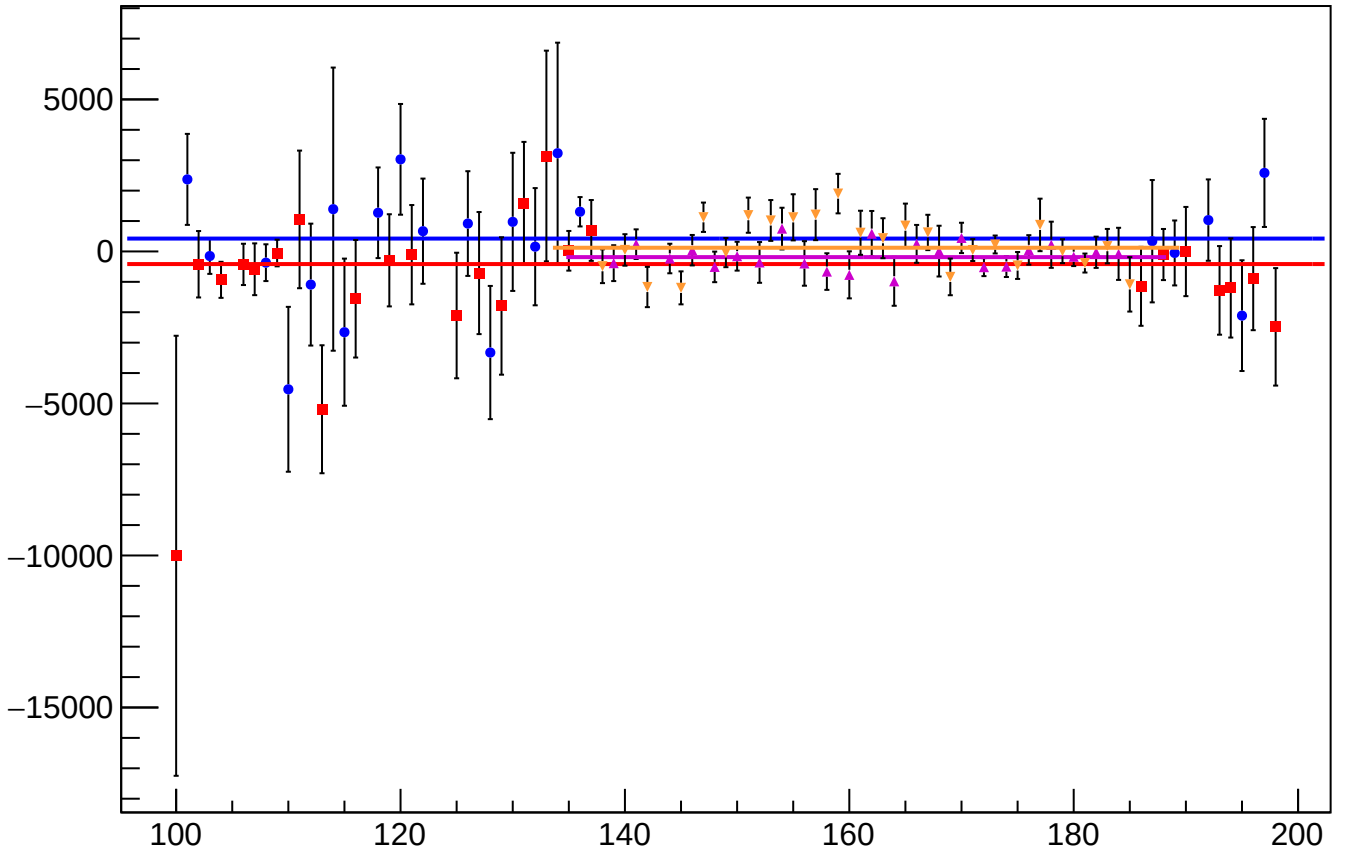
Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

Right: 1483.635+/-0.223 χ^2/NDF: 1224499.6/45

In: 1515.559+/-0.201 χ^2/NDF:864662.2/43

Out: 1512.108+/-0.194 χ^2/NDF:785968.9/48

All: 1513.777+/-0.140 χ^2/NDF: 1650783.9/92



Right In: 423.011+/-254.527 χ^2/NDF: 23.2/20

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: -415.332+/-212.057 χ^2/NDF: 16.3/24

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

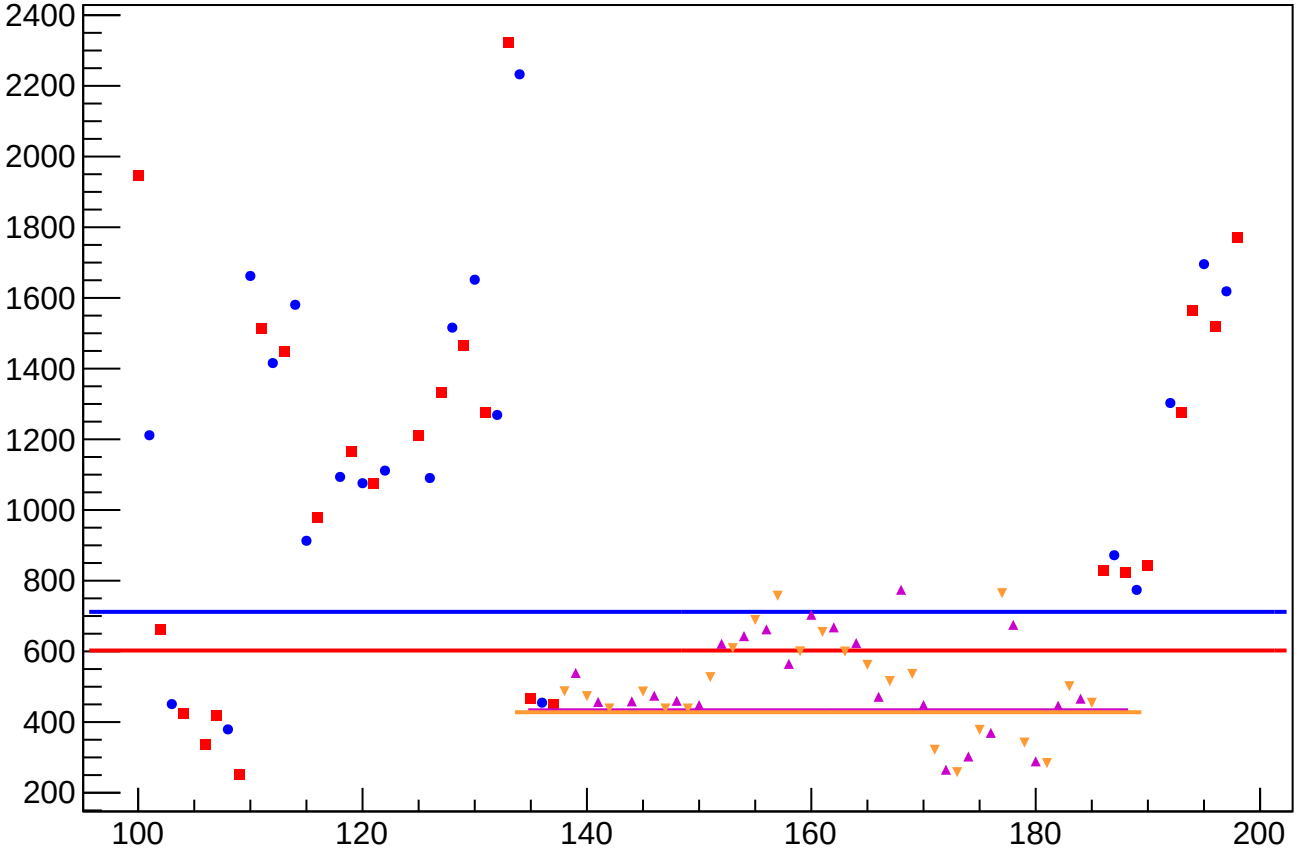
Right: -71.841+/-162.922 χ^2/NDF: 45.9/45

In: -95.275+/-98.619 χ^2/NDF:39.6/43

Out: 15.563+/-94.140 χ^2/NDF:65.1/48

All: -37.282+/-68.095 χ^2/NDF: 105.4/92

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 711.840+/-0.180 χ^2/NDF: 5420315.6/20

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 602.427+/-0.150 χ^2/NDF: 7383216.6/24

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

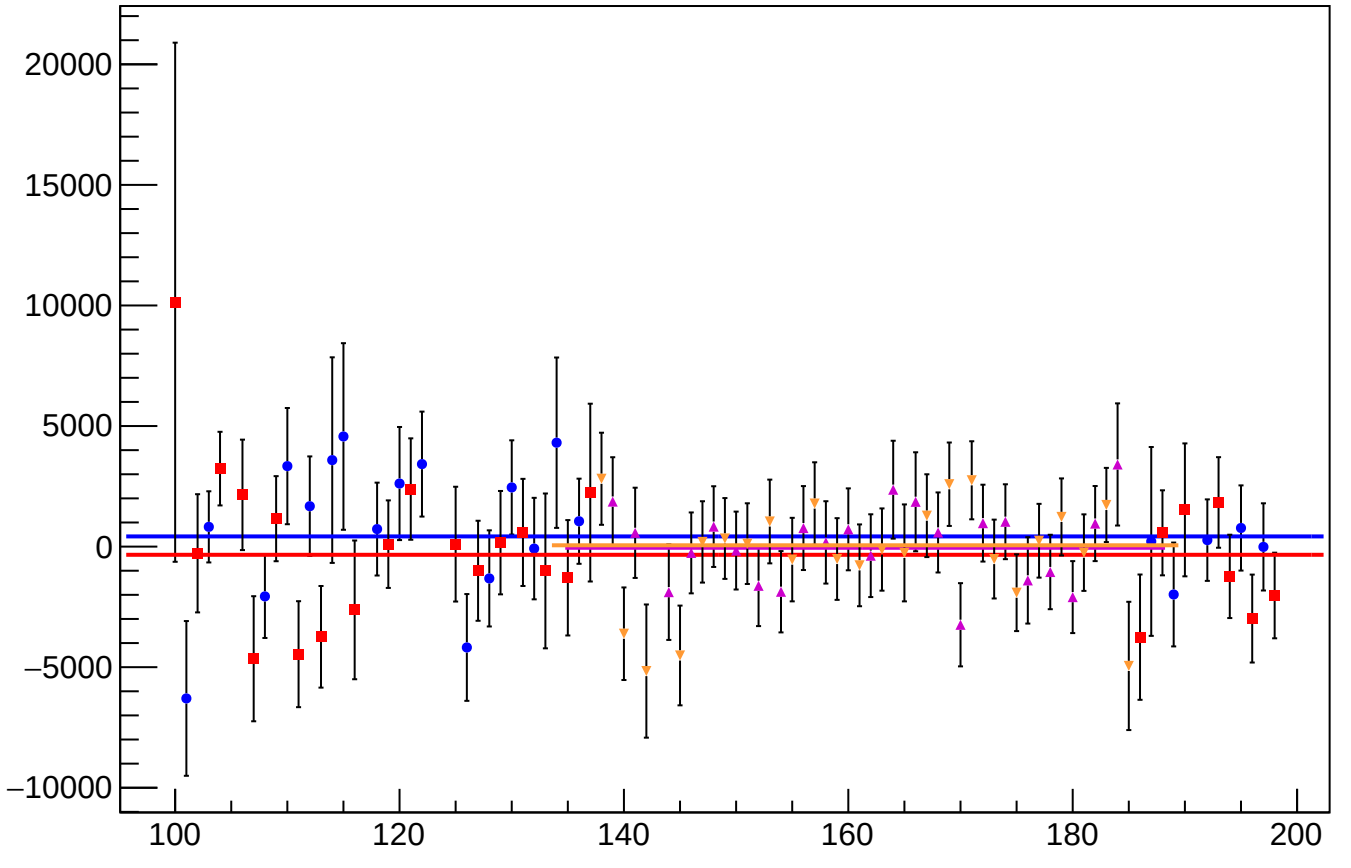
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

Right: 647.256+/-0.115 χ^2/NDF: 13021679.4/45

In: 475.102+/-0.070 χ^2/NDF:10704158.0/43

Out: 462.227+/-0.067 χ^2/NDF:11660181.3/48

All: 468.365+/-0.048 χ^2/NDF: 22382175.1/92



Right In: 422.756+/-461.945 χ^2/NDF: 21.8/20

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -339.417+/-431.927 χ^2/NDF: 27.7/24

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

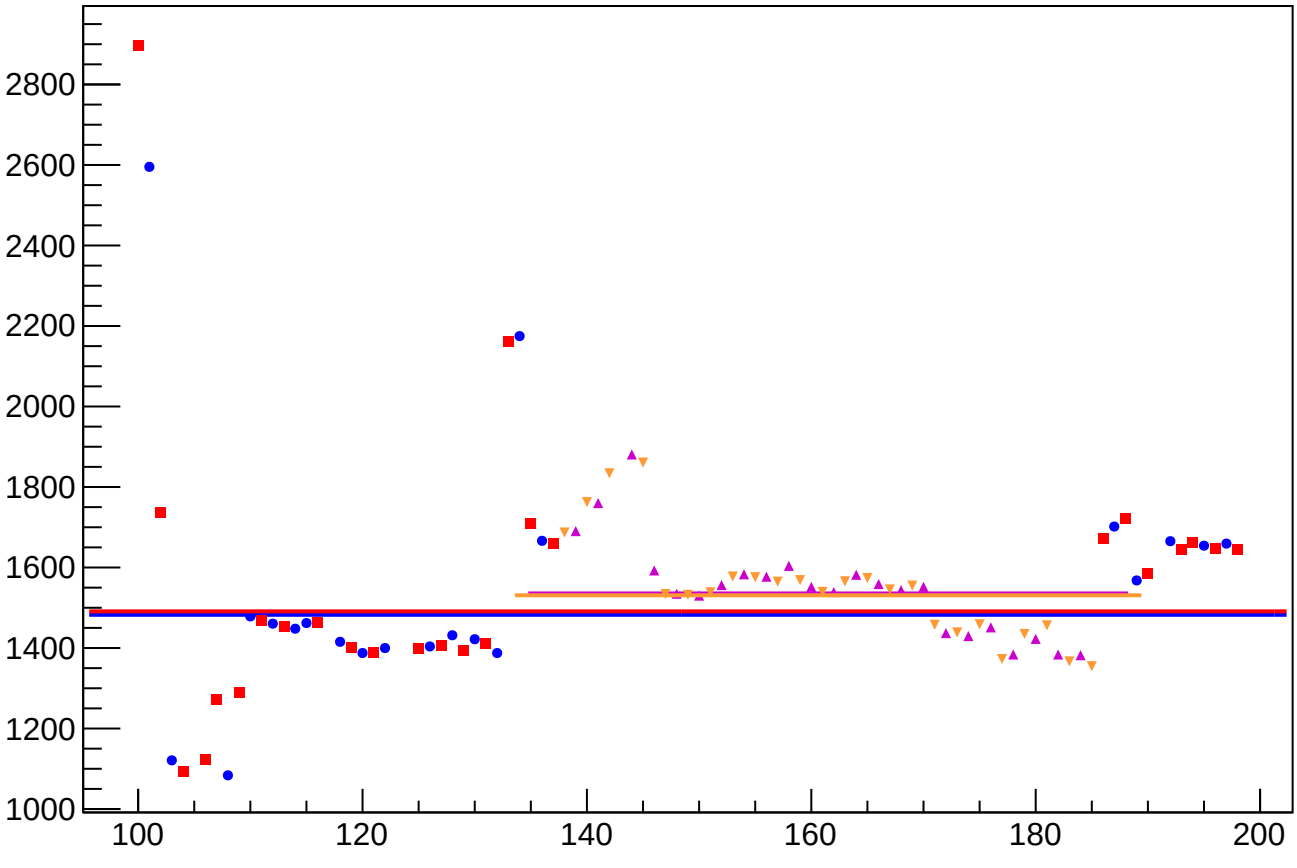
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 16.104+/-315.497 χ^2/NDF: 50.9/45

In: 129.427+/-283.725 χ^2/NDF:39.2/43

Out: -104.909+/-274.887 χ^2/NDF:56.7/48

All: 8.553+/-197.425 χ^2/NDF: 96.2/92



Right In: 1482.556+/-0.327 χ^2/NDF: 655837.6/20

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1491.108+/-0.305 χ^2/NDF: 522112.3/24

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

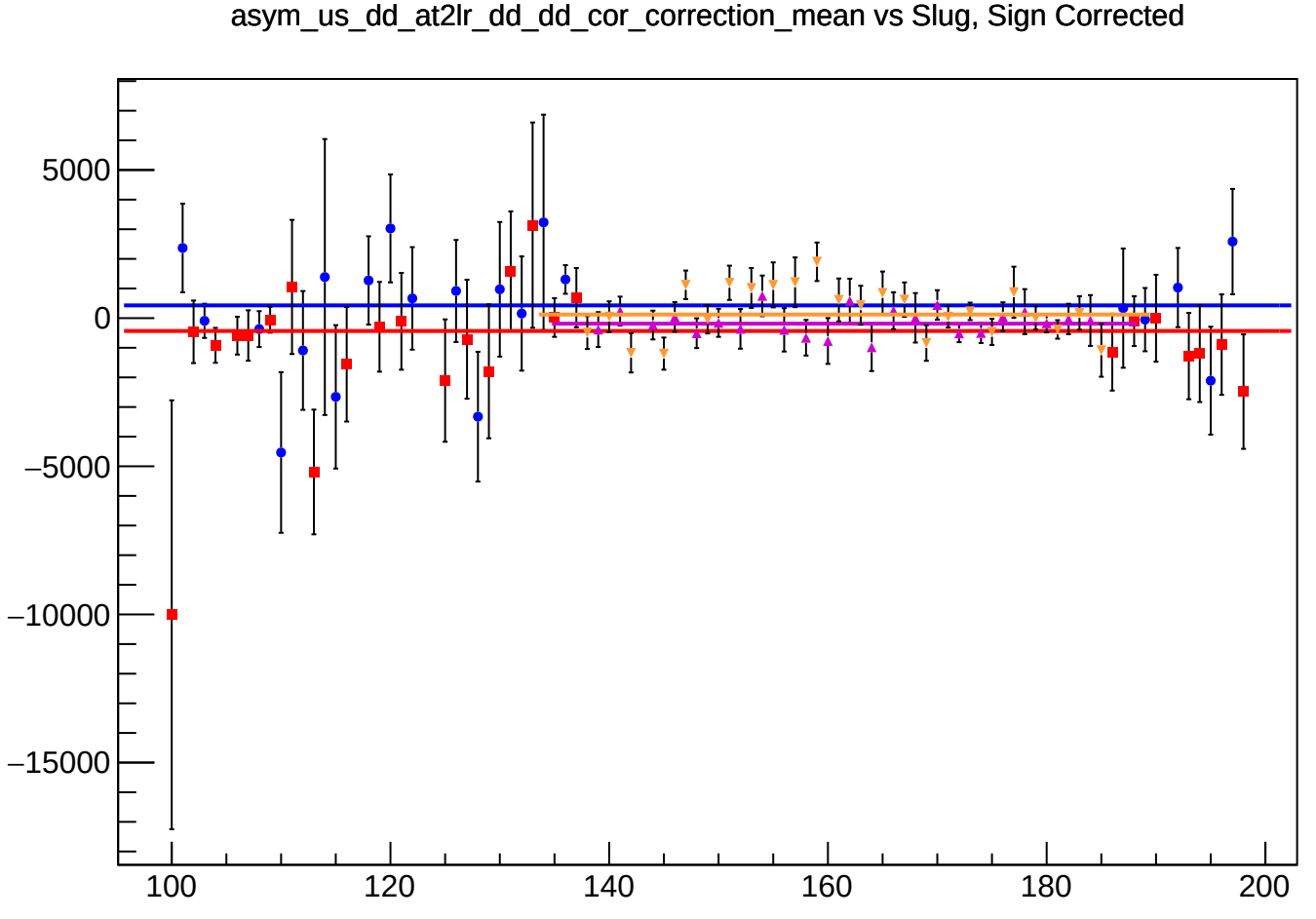
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1487.119+/-0.223 χ^2/NDF: 1178315.6/45

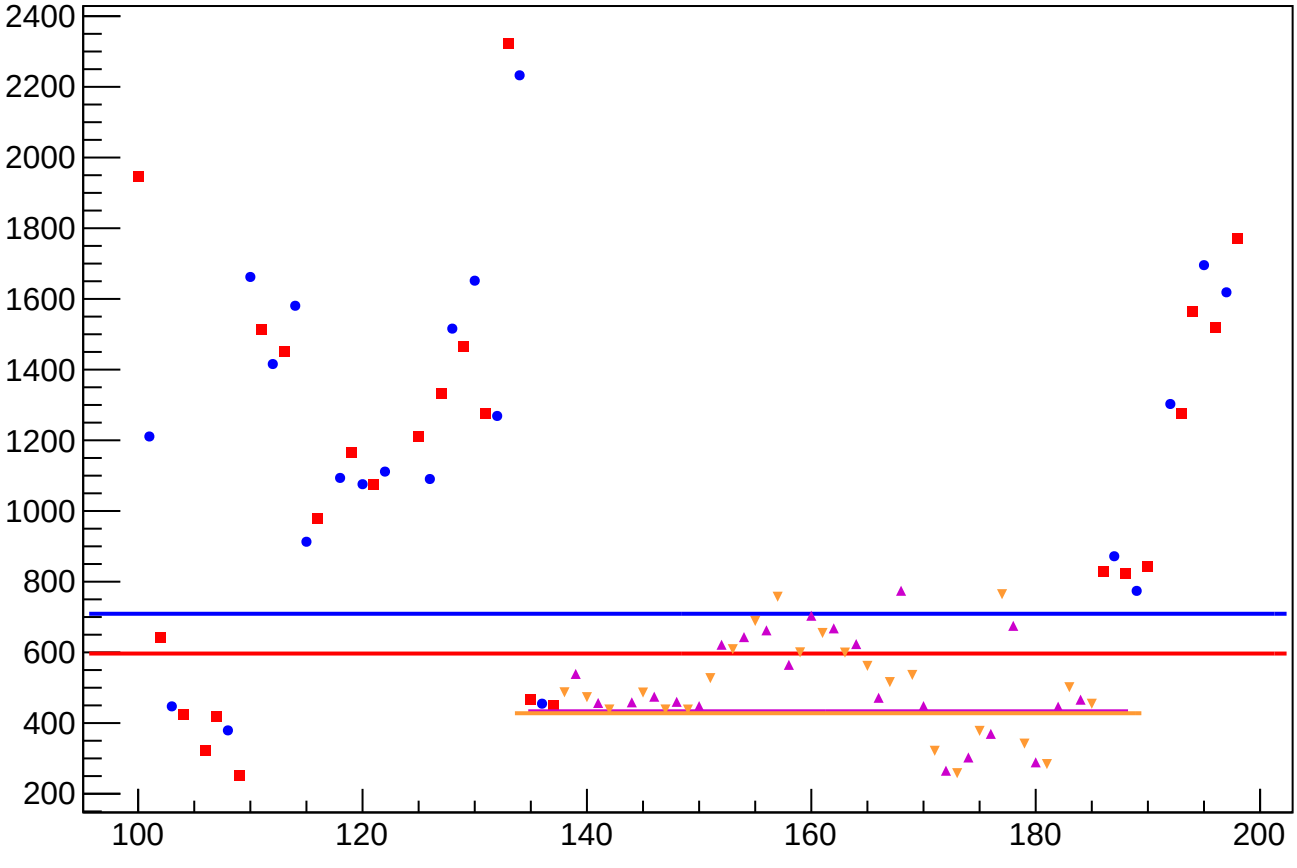
In: 1515.559+/-0.201 χ^2/NDF:864662.5/43

Out: 1514.828+/-0.194 χ^2/NDF:735790.2/48

All: 1515.182+/-0.140 χ^2/NDF: 1600459.6/92


asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 430.453+/-253.600 χ²/NDF: 23.0/20
Left Out: 121.325+/-105.060 χ²/NDF:43.7/23
Right Out: -434.000+/-210.266 χ²/NDF: 16.4/24
Left In: -187.037+/-106.975 χ²/NDF:11.6/22
Left: -30.071+/-74.957 χ²/NDF: 59.5/46
Right: -81.830+/-161.865 χ²/NDF: 46.3/45
In: -93.759+/-98.565 χ²/NDF:39.6/43
Out: 10.384+/-93.982 χ²/NDF:65.6/48
All: -39.210+/-68.018 χ²/NDF: 105.8/92

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 709.253+/-0.179 χ^2/NDF: 5446422.7/20

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 596.702+/-0.149 χ^2/NDF: 7455992.7/24

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

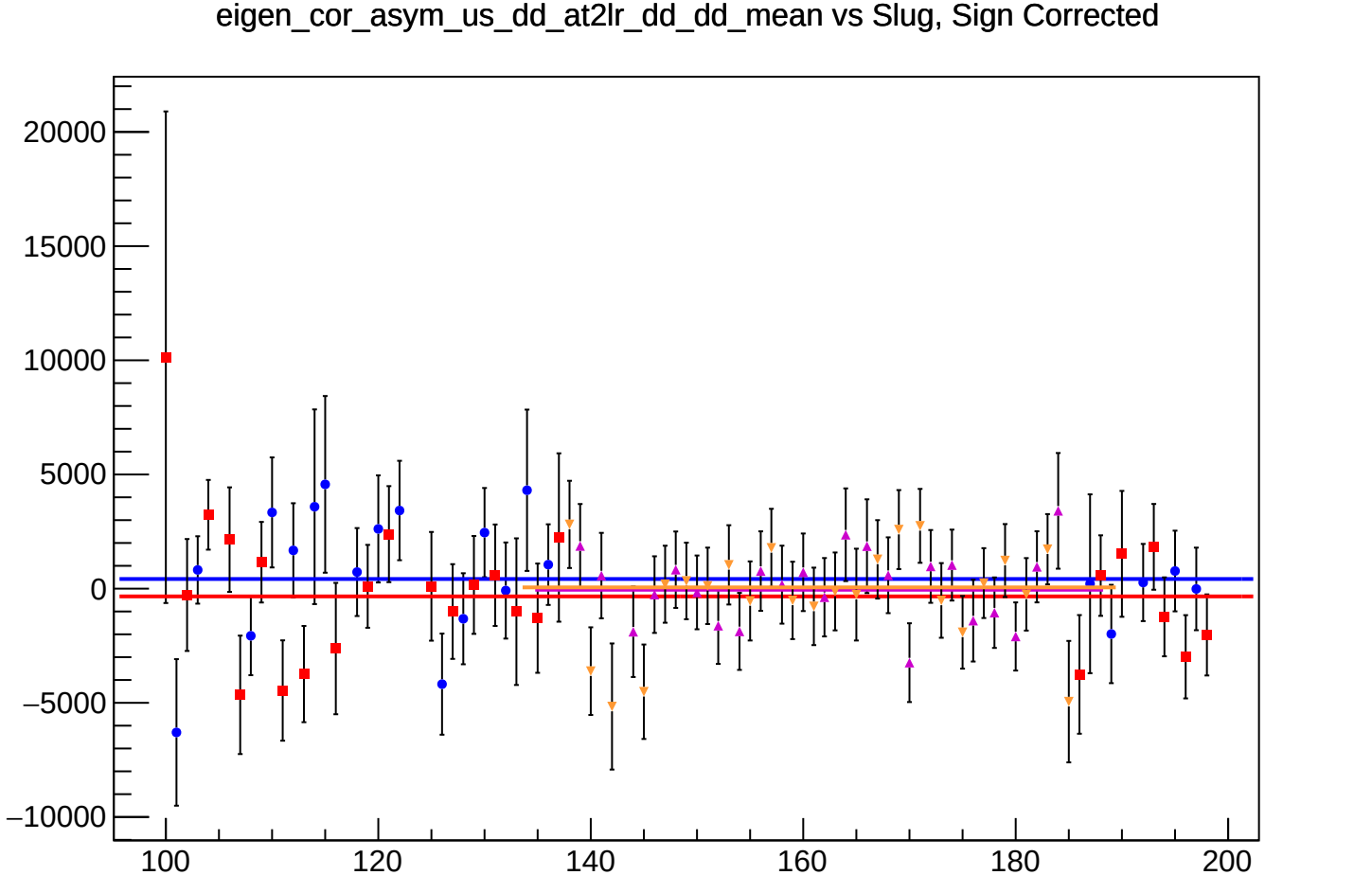
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 642.554+/-0.114 χ^2/NDF: 13135867.8/45

In: 474.972+/-0.070 χ^2/NDF:10704895.9/43

Out: 461.554+/-0.066 χ^2/NDF:11676903.1/48

All: 467.944+/-0.048 χ^2/NDF: 22401214.3/92



Right In: 422.756+/-461.945 χ^2/NDF: 21.8/20

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -339.417+/-431.927 χ^2/NDF: 27.7/24

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

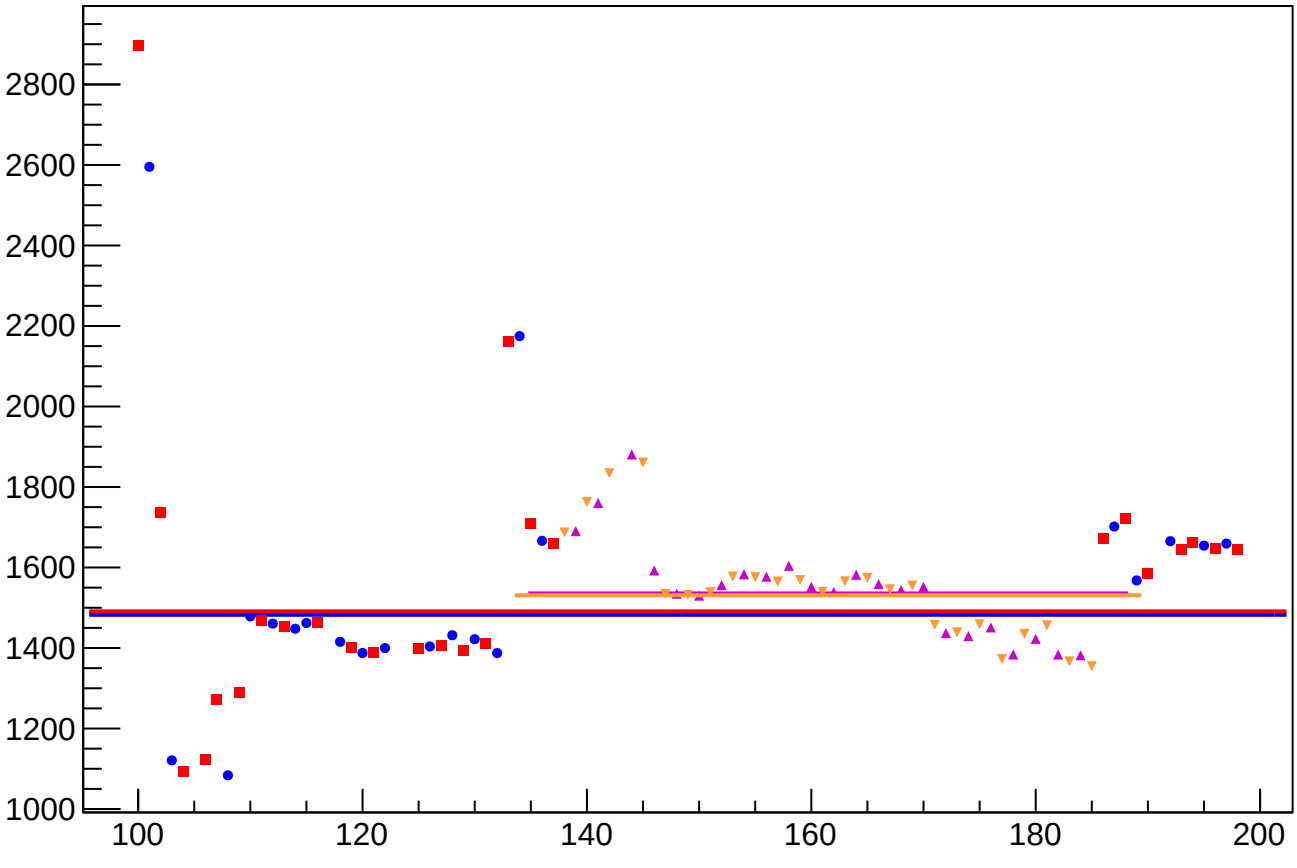
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 16.104+/-315.497 χ^2/NDF: 50.9/45

In: 129.427+/-283.725 χ^2/NDF:39.2/43

Out: -104.909+/-274.887 χ^2/NDF:56.7/48

All: 8.553+/-197.425 χ^2/NDF: 96.2/92



Right In: 1482.556+/-0.327 χ^2/NDF: 655837.6/20

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1491.108+/-0.305 χ^2/NDF: 522112.3/24

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

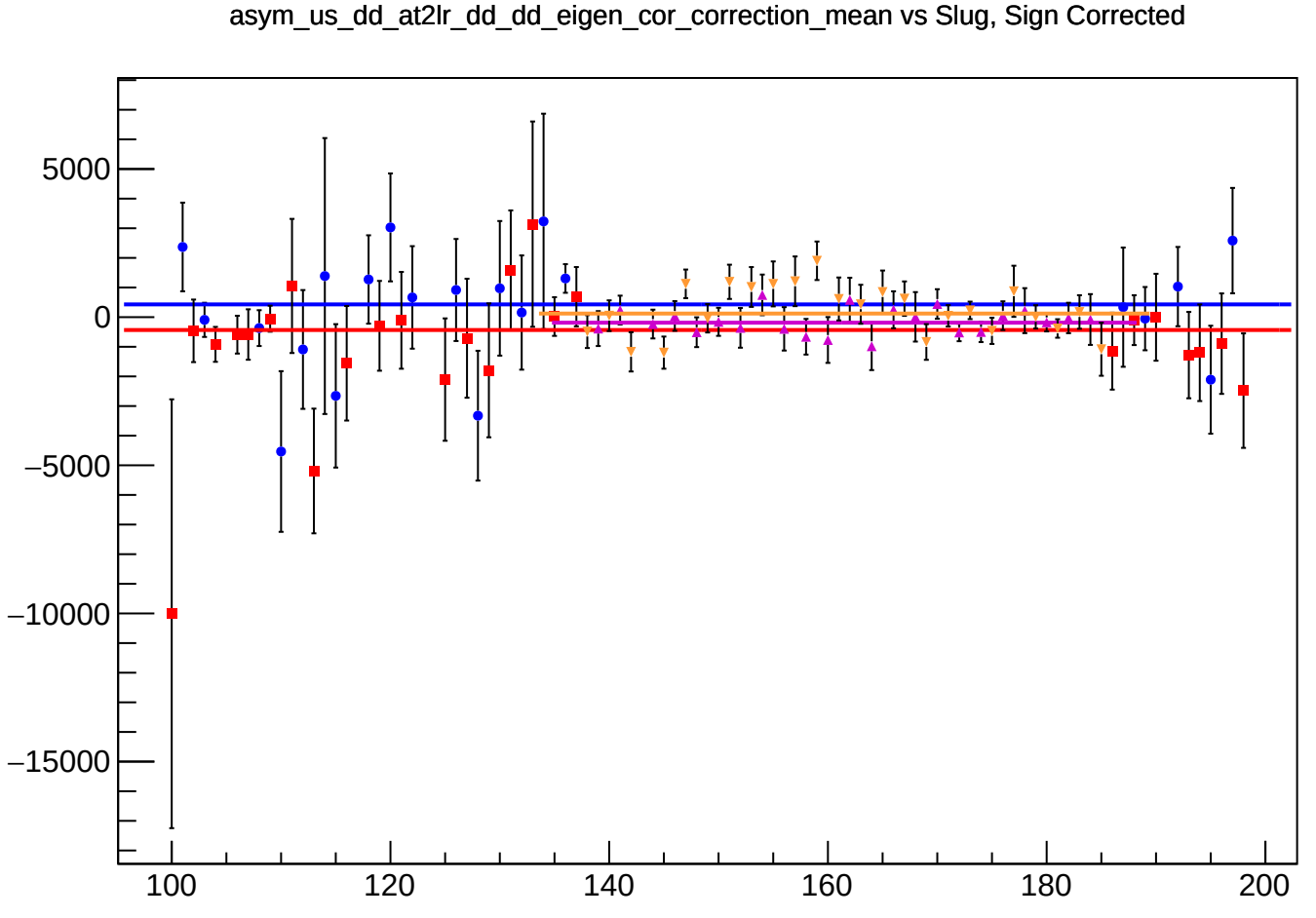
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1487.119+/-0.223 χ^2/NDF: 1178315.6/45

In: 1515.559+/-0.201 χ^2/NDF:864662.5/43

Out: 1514.828+/-0.194 χ^2/NDF:735790.2/48

All: 1515.182+/-0.140 χ^2/NDF: 1600459.6/92



Right In: 430.453+/-253.600 χ^2/NDF: 23.0/20

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -434.000+/-210.266 χ^2/NDF: 16.4/24

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

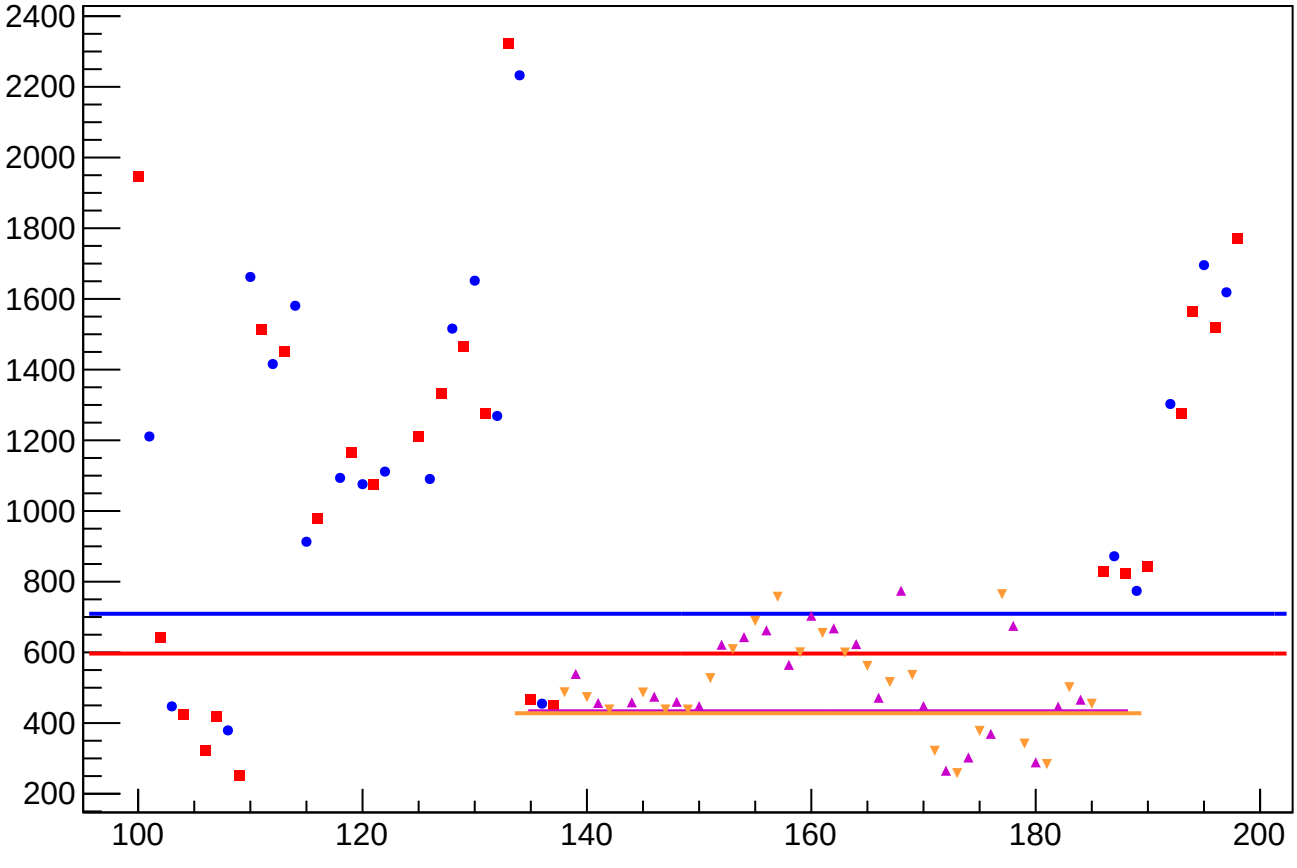
Right: -81.830+/-161.865 χ^2/NDF: 46.3/45

In: -93.759+/-98.565 χ^2/NDF:39.6/43

Out: 10.384+/-93.982 χ^2/NDF:65.6/48

All: -39.210+/-68.018 χ^2/NDF: 105.8/92

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 709.253+/-0.179 χ^2/NDF: 5446422.7/20

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 596.702+/-0.149 χ^2/NDF: 7455992.7/24

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

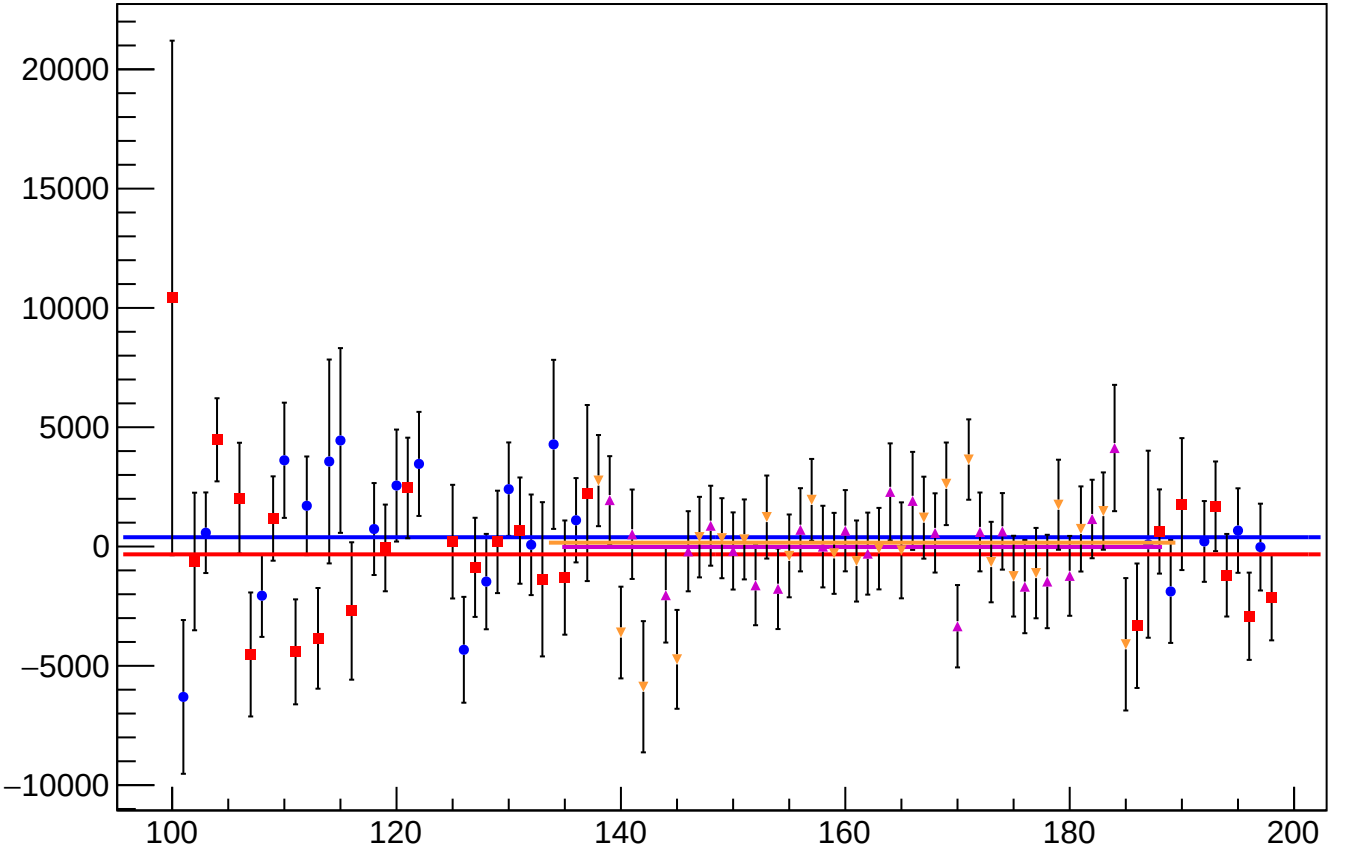
Right: 642.554+/-0.114 χ^2/NDF: 13135867.8/45

In: 474.972+/-0.070 χ^2/NDF:10704895.9/43

Out: 461.554+/-0.066 χ^2/NDF:11676903.1/48

All: 467.944+/-0.048 χ^2/NDF: 22401214.3/92

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected



Right In: 389.559+/-468.287 χ^2/NDF: 22.1/20

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: -327.685+/-438.985 χ^2/NDF: 29.4/24

Left In: -20.252+/-369.781 χ^2/NDF:16.0/22

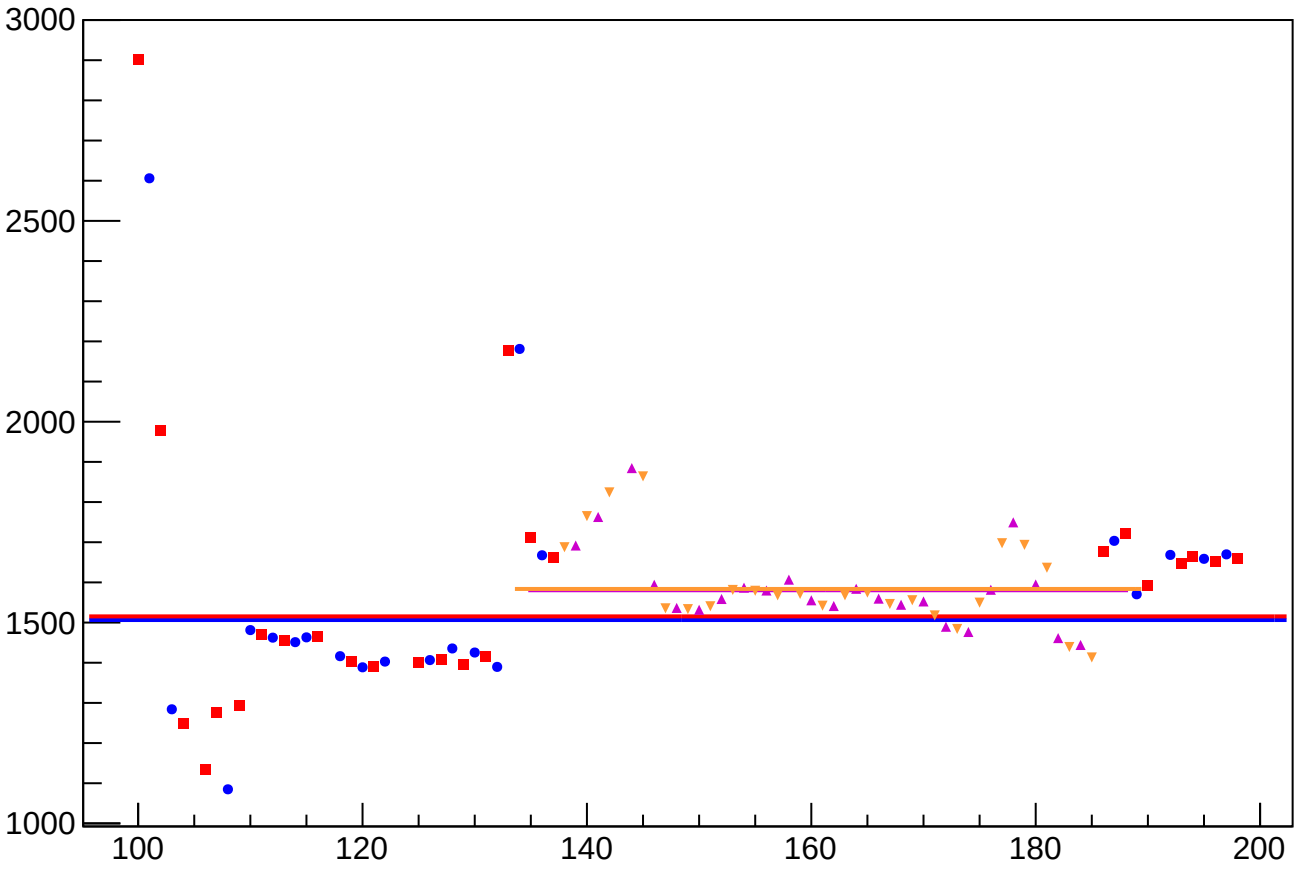
Left: 71.018+/-260.973 χ^2/NDF: 46.0/46

Right: 7.797+/-320.268 χ^2/NDF: 52.7/45

In: 137.141+/-290.210 χ^2/NDF:38.5/43

Out: -40.574+/-282.180 χ^2/NDF:60.1/48

All: 45.791+/-202.311 χ^2/NDF: 98.8/92



Right In: 1506.311+/-0.331 χ^2/NDF: 563799.1/20

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

Right Out: 1515.386+/-0.310 χ^2/NDF: 458072.9/24

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

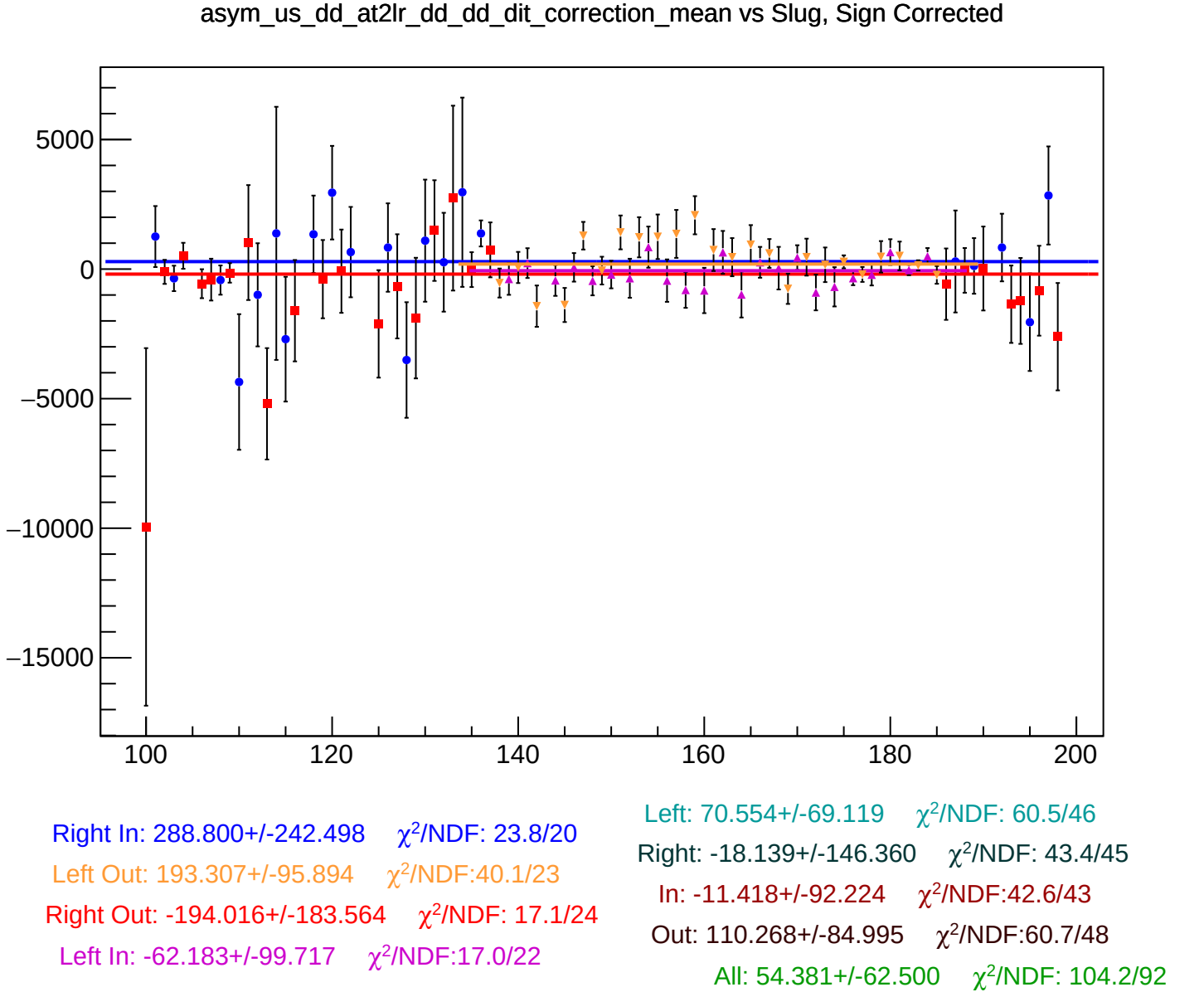
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1511.141+/-0.226 χ^2/NDF: 1022271.8/45

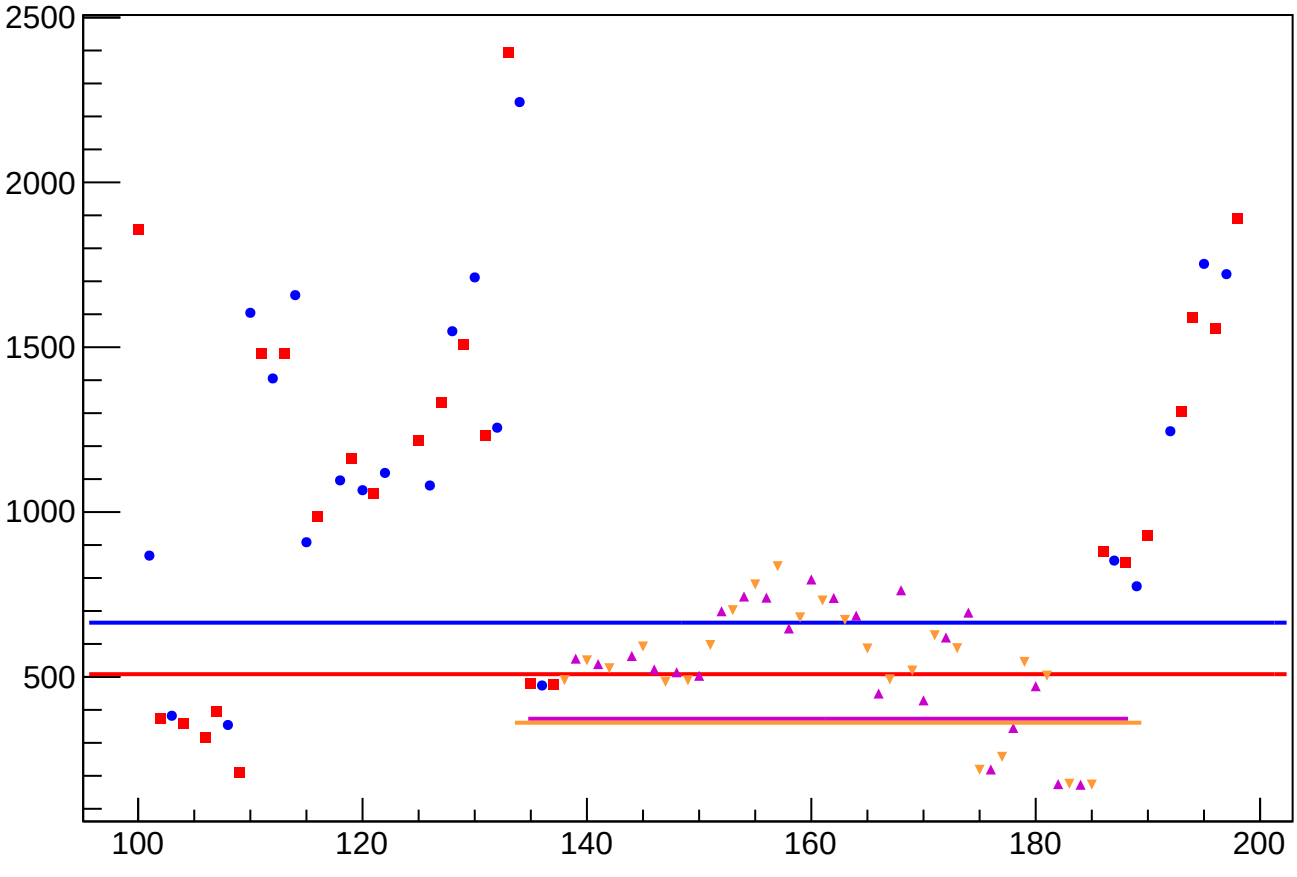
In: 1551.985+/-0.205 χ^2/NDF:720433.8/43

Out: 1555.457+/-0.200 χ^2/NDF:620055.2/48

All: 1553.770+/-0.143 χ^2/NDF: 1340636.1/92


asym_us_dd_at2lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 288.800+/-242.498 χ²/NDF: 23.8/20
Left Out: 193.307+/-95.894 χ²/NDF:40.1/23
Right Out: -194.016+/-183.564 χ²/NDF: 17.1/24
Left In: -62.183+/-99.717 χ²/NDF:17.0/22
Left: 70.554+/-69.119 χ²/NDF: 60.5/46
Right: -18.139+/-146.360 χ²/NDF: 43.4/45
In: -11.418+/-92.224 χ²/NDF:42.6/43
Out: 110.268+/-84.995 χ²/NDF:60.7/48
All: 54.381+/-62.500 χ²/NDF: 104.2/92

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 664.535+/-0.171 χ^2/NDF: 5772704.3/20

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

Right Out: 508.265+/-0.130 χ^2/NDF: 8867942.7/24

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

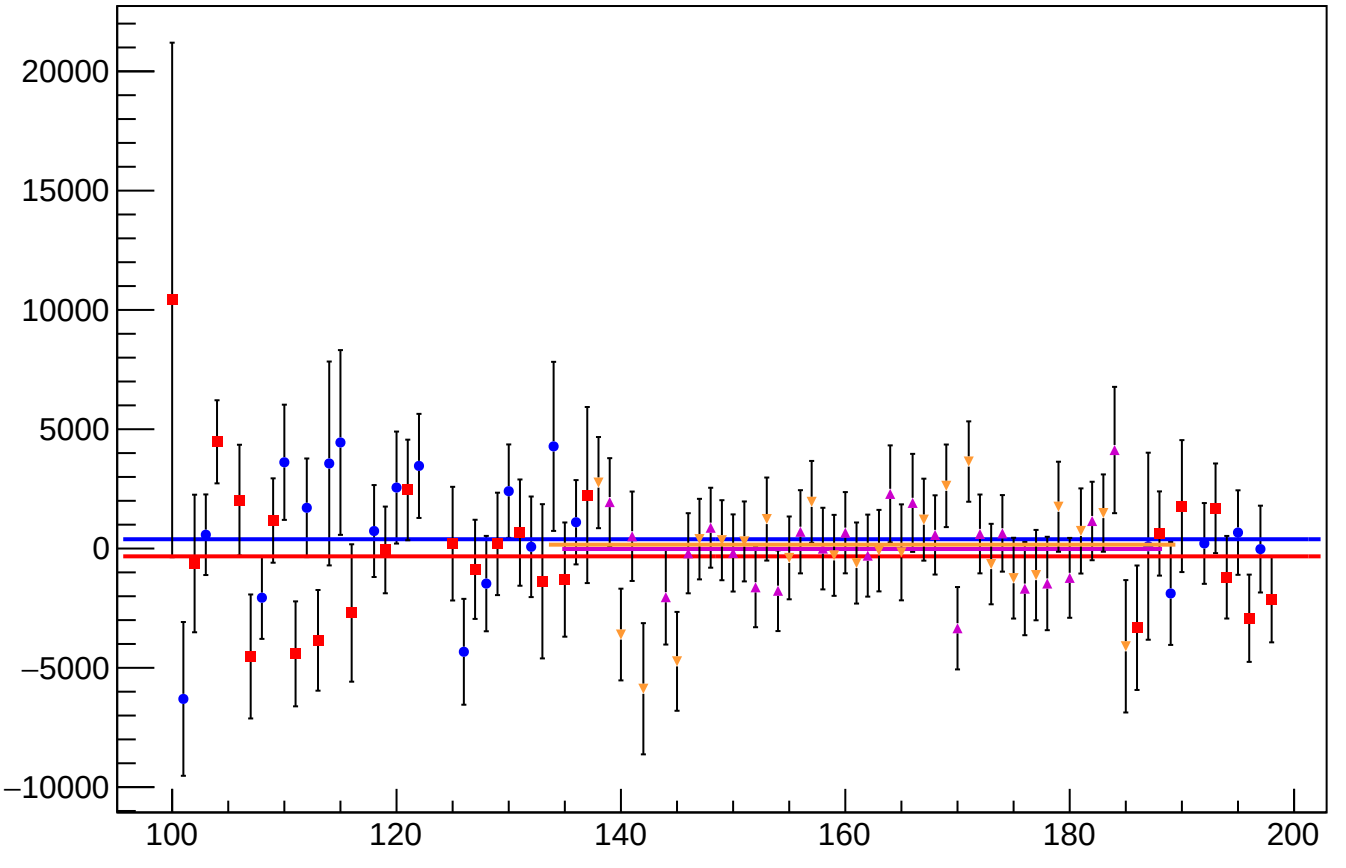
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

Right: 565.190+/-0.103 χ^2/NDF: 15168645.2/45

In: 415.286+/-0.065 χ^2/NDF:16450238.6/43

Out: 392.651+/-0.060 χ^2/NDF:18060959.2/48

All: 403.047+/-0.044 χ^2/NDF: 34576343.0/92



Right In: 389.560+/-468.287 χ^2/NDF: 22.1/20

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: -327.685+/-438.985 χ^2/NDF: 29.4/24

Left In: -20.250+/-369.781 χ^2/NDF:16.0/22

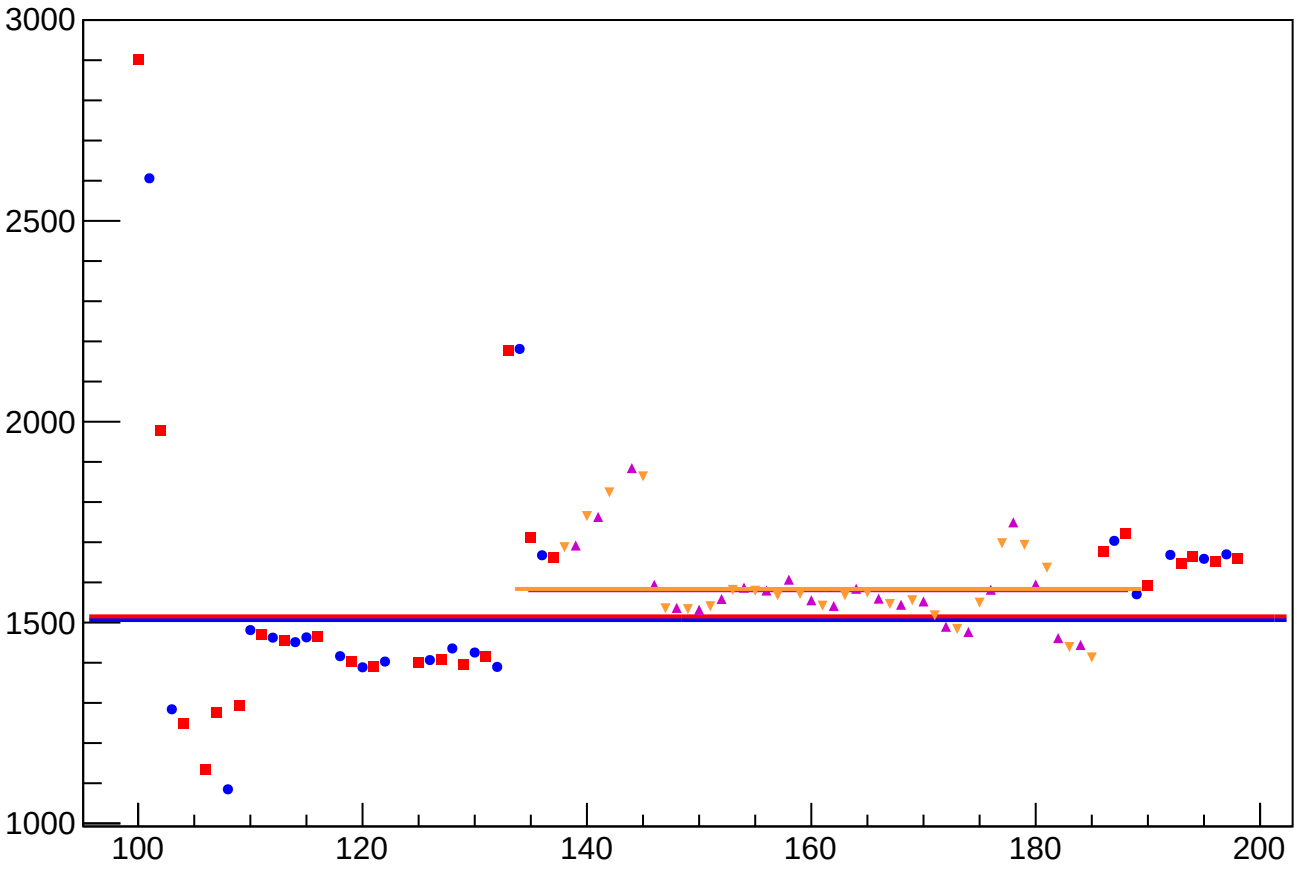
Left: 71.017+/-260.973 χ^2/NDF: 46.0/46

Right: 7.798+/-320.268 χ^2/NDF: 52.7/45

In: 137.142+/-290.210 χ^2/NDF:38.5/43

Out: -40.577+/-282.180 χ^2/NDF:60.1/48

All: 45.790+/-202.311 χ^2/NDF: 98.8/92



Right In: 1506.311+/-0.331 χ^2/NDF: 563798.5/20

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

Right Out: 1515.386+/-0.310 χ^2/NDF: 458072.9/24

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

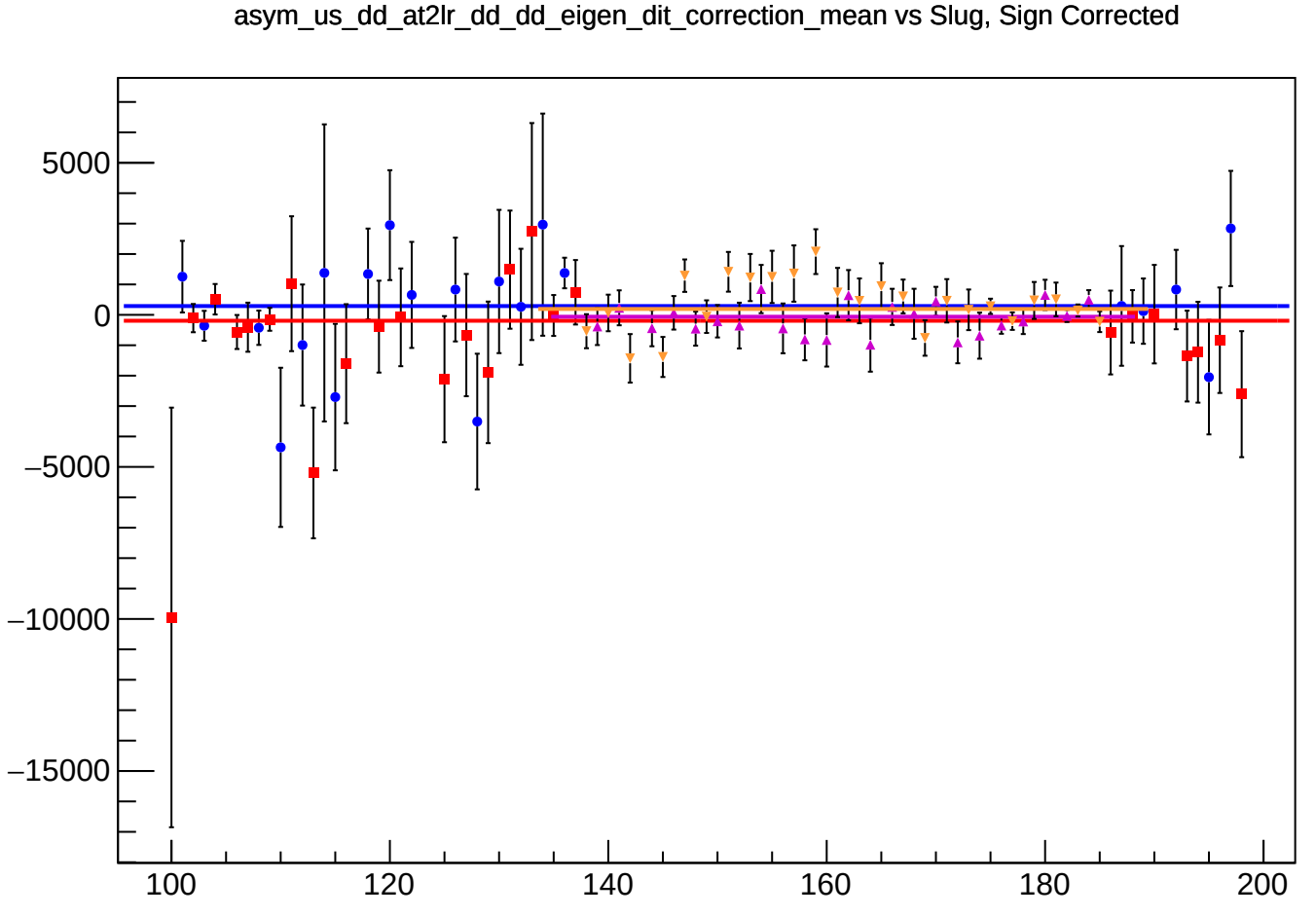
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1511.141+/-0.226 χ^2/NDF: 1022271.1/45

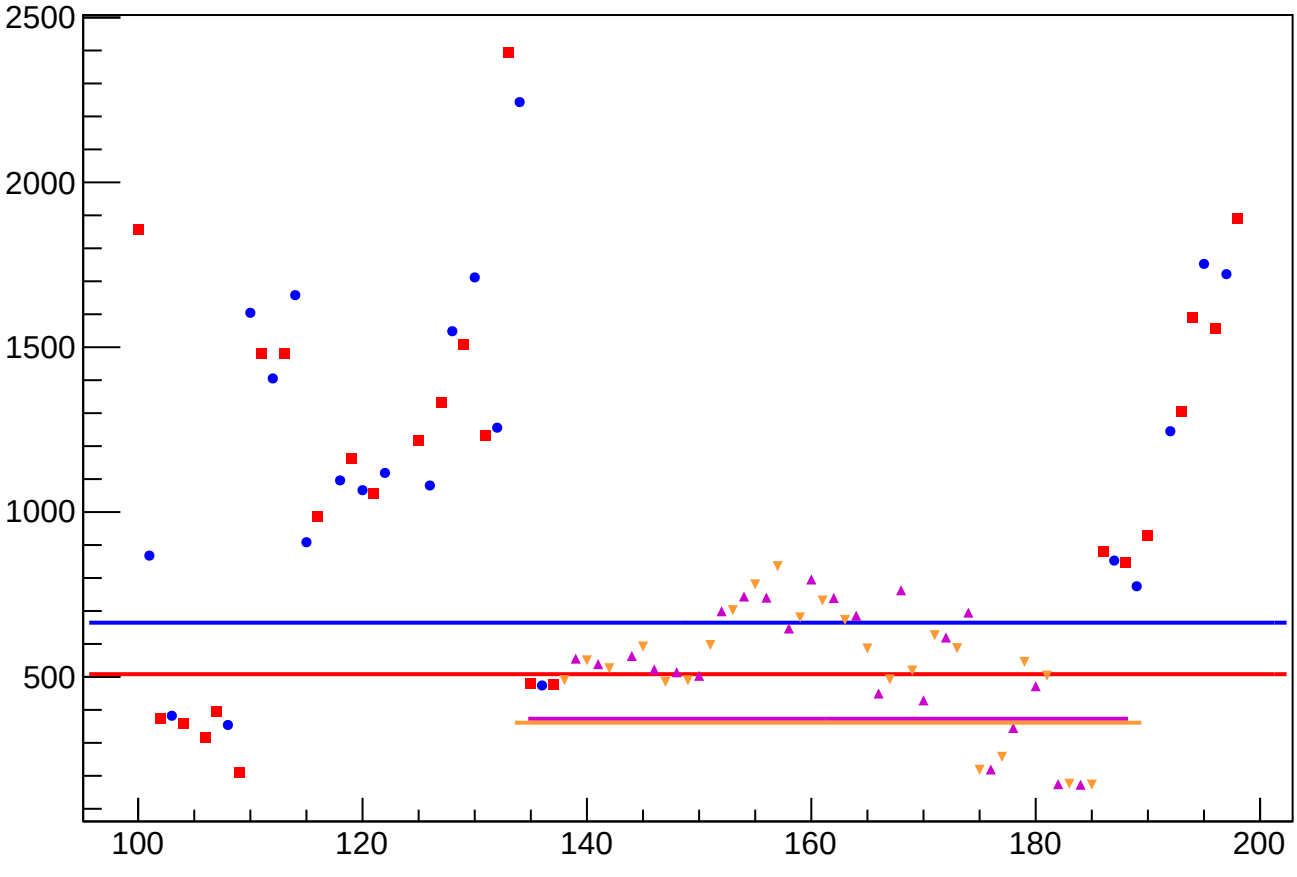
In: 1551.985+/-0.205 χ^2/NDF:720432.9/43

Out: 1555.457+/-0.200 χ^2/NDF:620055.2/48

All: 1553.769+/-0.143 χ^2/NDF: 1340635.4/92


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: 288.794+/-242.498 χ²/NDF: 23.8/20
Left Out: 193.312+/-95.894 χ²/NDF:40.1/23
Right Out: -194.013+/-183.565 χ²/NDF: 17.1/24
Left In: -62.181+/-99.718 χ²/NDF:17.0/22
Left: 70.558+/-69.120 χ²/NDF: 60.5/46
Right: -18.137+/-146.360 χ²/NDF: 43.4/45
In: -11.417+/-92.225 χ²/NDF:42.6/43
Out: 110.272+/-84.995 χ²/NDF:60.7/48
All: 54.384+/-62.501 χ²/NDF: 104.2/92

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 664.533+/-0.171 χ^2/NDF: 5772731.7/20

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 508.272+/-0.130 χ^2/NDF: 8867821.1/24

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

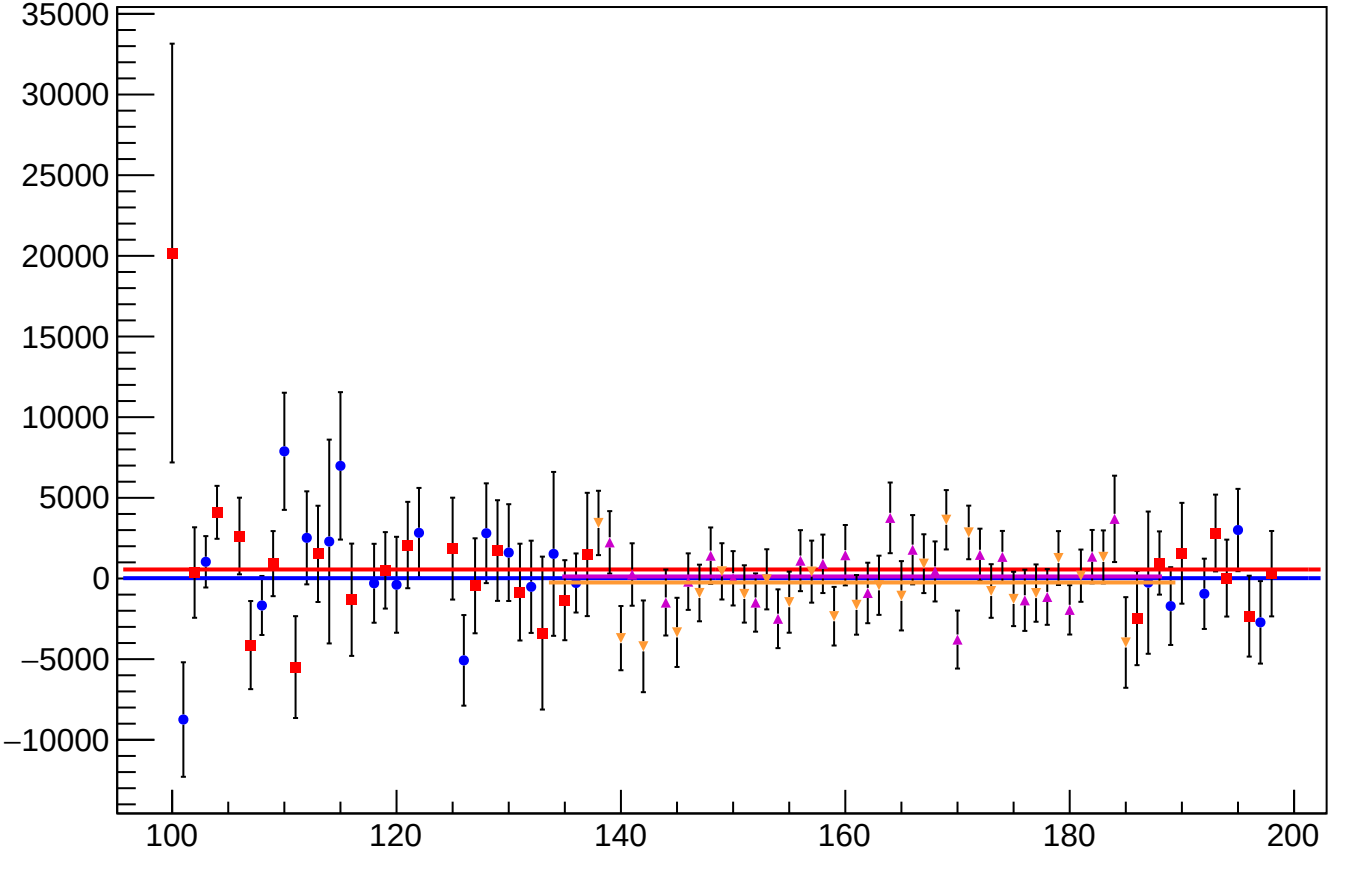
Right: 565.194+/-0.103 χ^2/NDF: 15168495.3/45

In: 415.291+/-0.065 χ^2/NDF:16449915.0/43

Out: 392.655+/-0.060 χ^2/NDF:18060704.4/48

All: 403.051+/-0.044 χ^2/NDF: 34575766.0/92

asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected



Right In: 19.548+/-577.952 χ^2/NDF: 24.1/20

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: 559.309+/-533.483 χ^2/NDF: 20.6/24

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

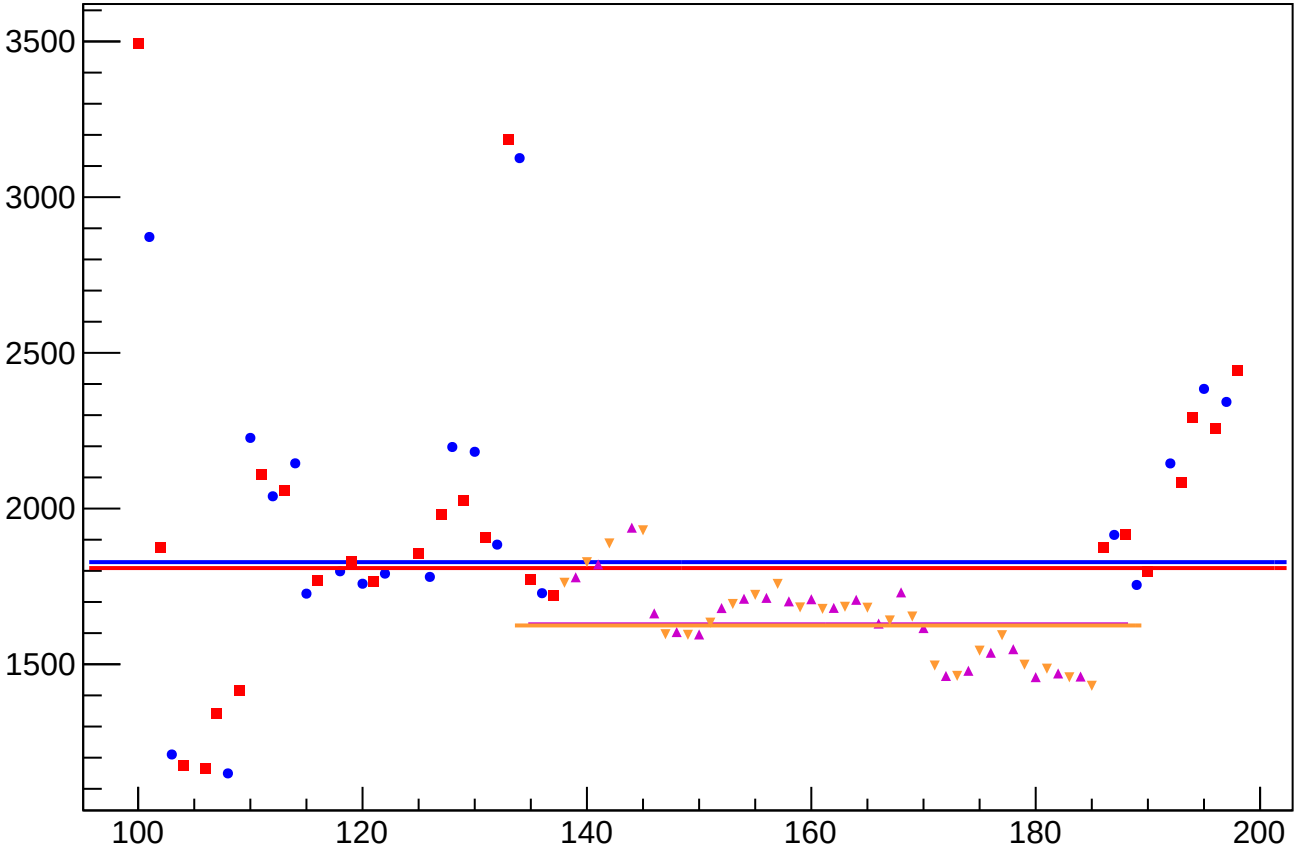
Right: 310.990+/-392.009 χ^2/NDF: 45.1/45

In: 93.796+/-318.277 χ^2/NDF:45.3/43

Out: 22.641+/-308.547 χ^2/NDF:48.1/48

All: 57.114+/-221.536 χ^2/NDF: 93.5/92

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1827.965+/-0.409 χ^2/NDF: 1207233.5/20

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

Right Out: 1808.901+/-0.377 χ^2/NDF: 1131268.1/24

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

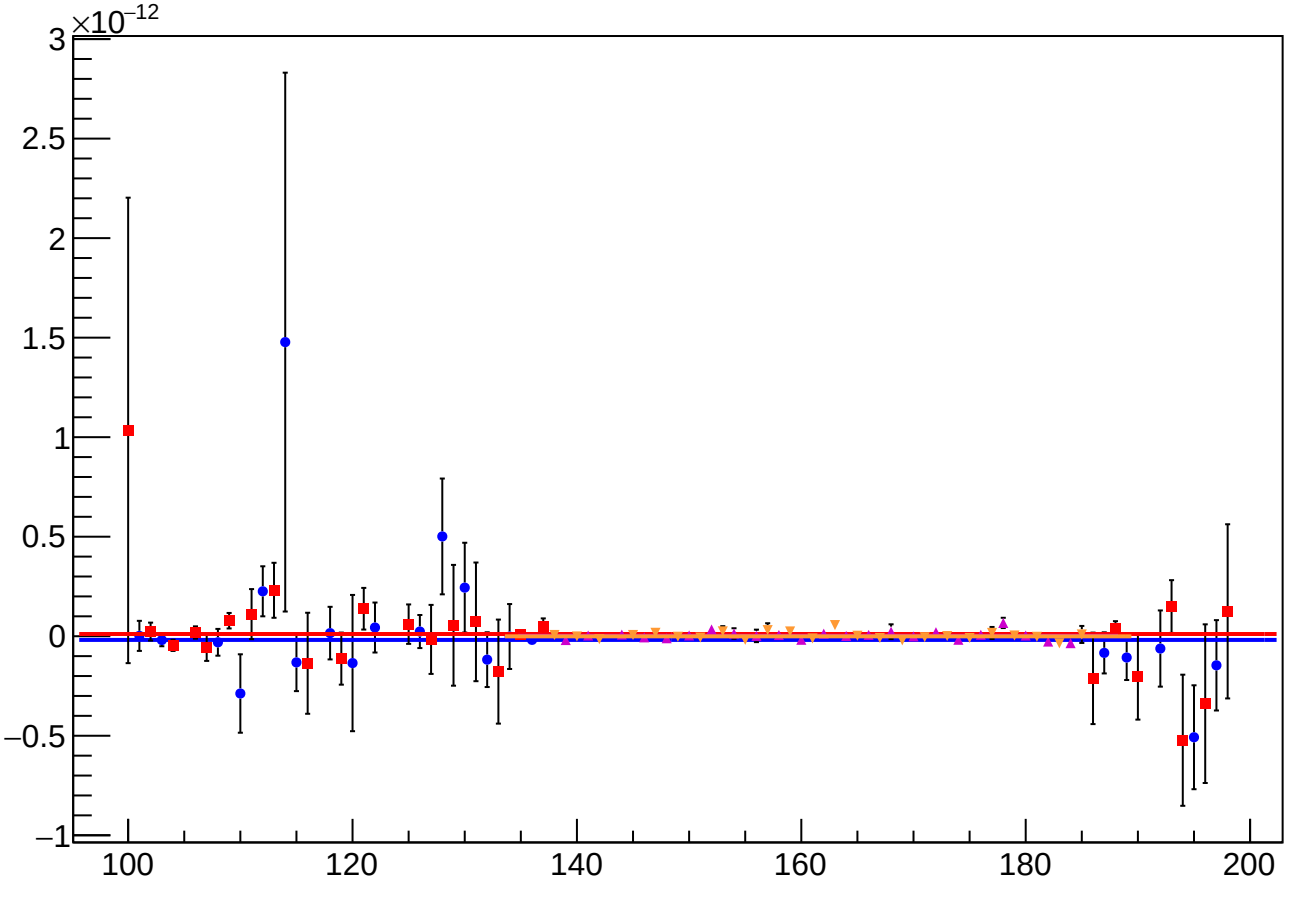
Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

Right: 1817.671+/-0.277 χ^2/NDF: 2339676.5/45

In: 1688.797+/-0.225 χ^2/NDF:1578554.5/43

Out: 1686.259+/-0.218 χ^2/NDF:1497352.2/48

All: 1687.489+/-0.157 χ^2/NDF: 3075972.3/92



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/20

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/24

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

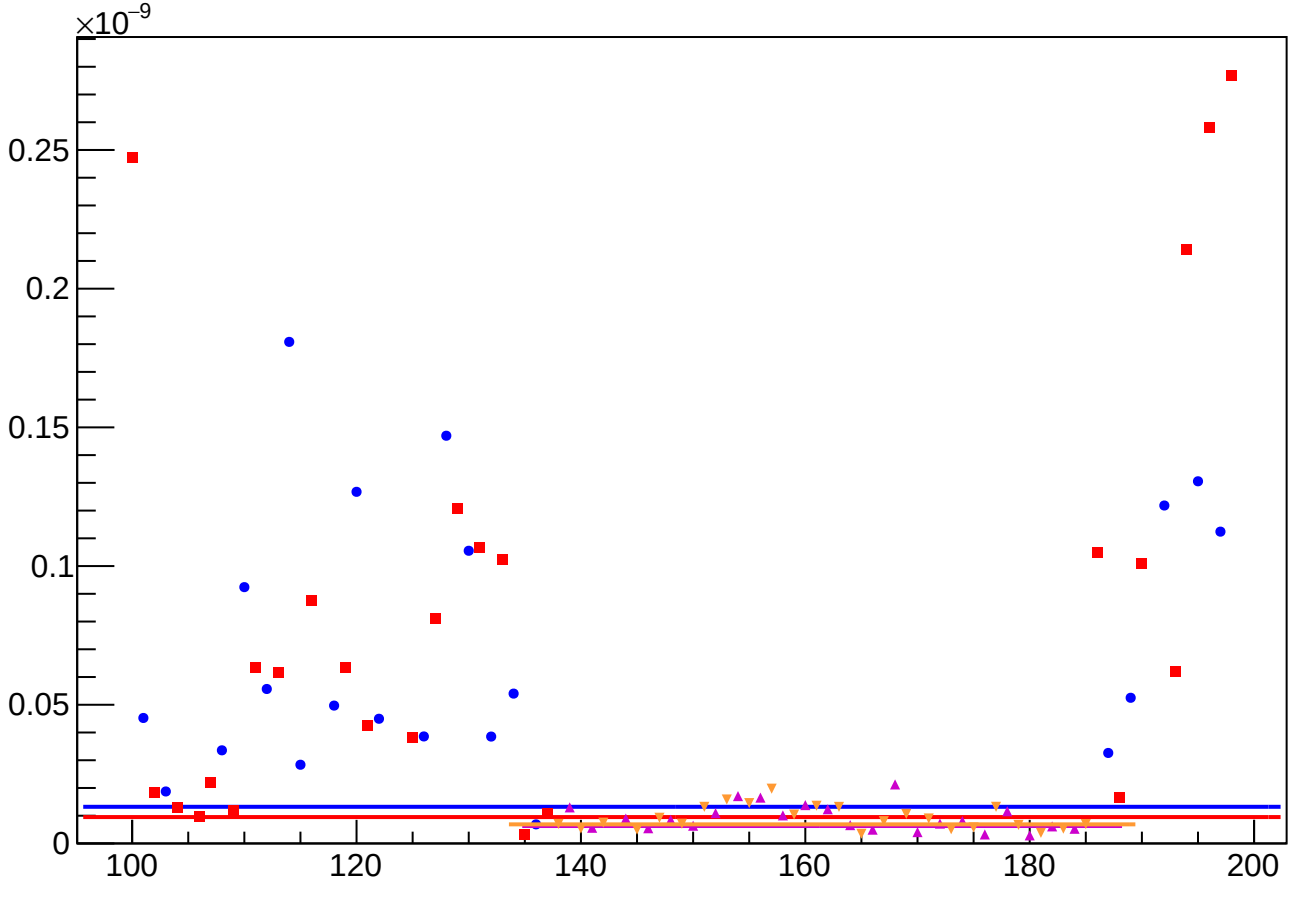
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 46.8/45

In: 0.000+/-0.000 χ^2/NDF:46.2/43

Out: 0.000+/-0.000 χ^2/NDF:47.8/48

All: 0.000+/-0.000 χ^2/NDF: 94.0/92



Right In: 0.000+/-0.000 χ^2/NDF: 5195943.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6937403.1/24

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

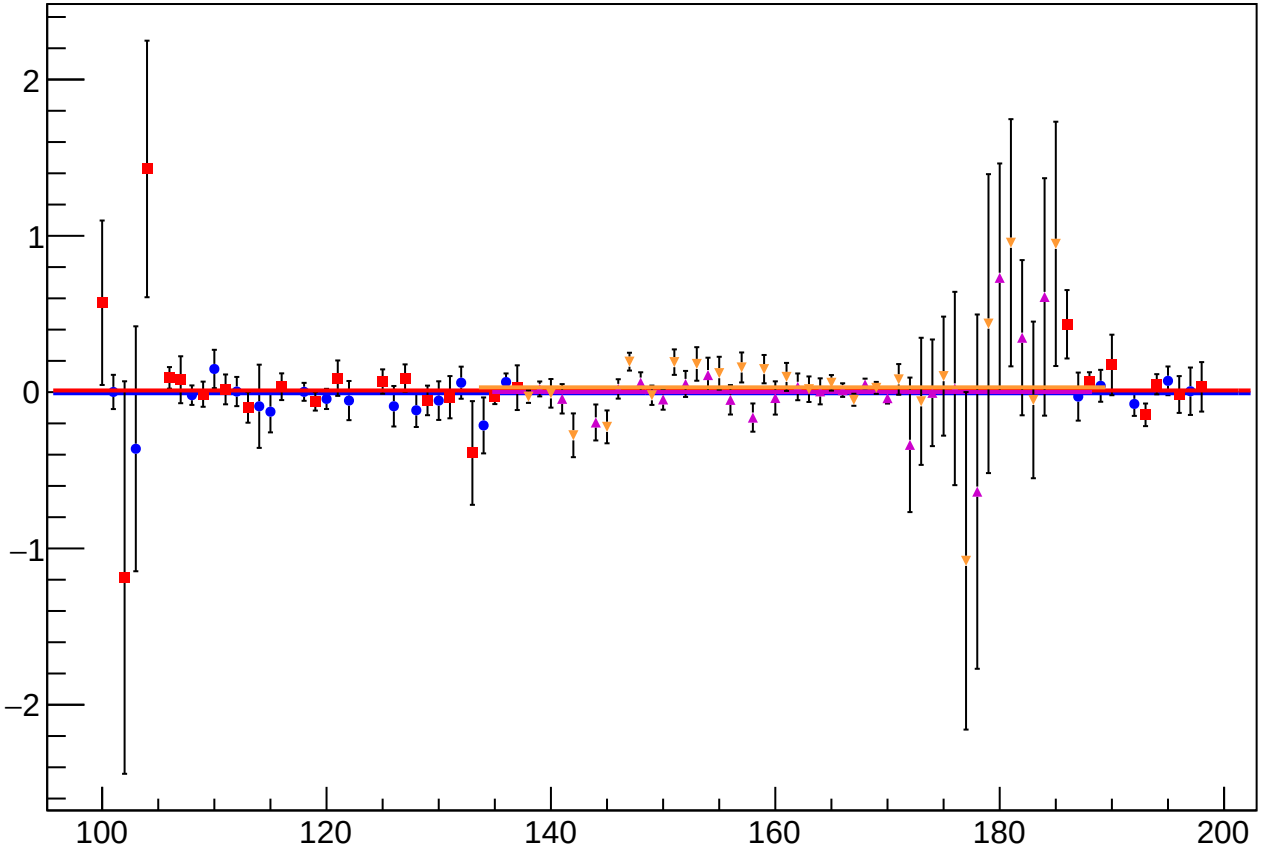
Right: 0.000+/-0.000 χ^2/NDF: 12291230.4/45

In: 0.000+/-0.000 χ^2/NDF:8954842.5/43

Out: 0.000+/-0.000 χ^2/NDF:9367643.0/48

All: 0.000+/-0.000 χ^2/NDF: 18344635.7/92

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.021 χ^2/NDF: 10.1/20

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.011+/-0.019 χ^2/NDF: 24.1/24

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

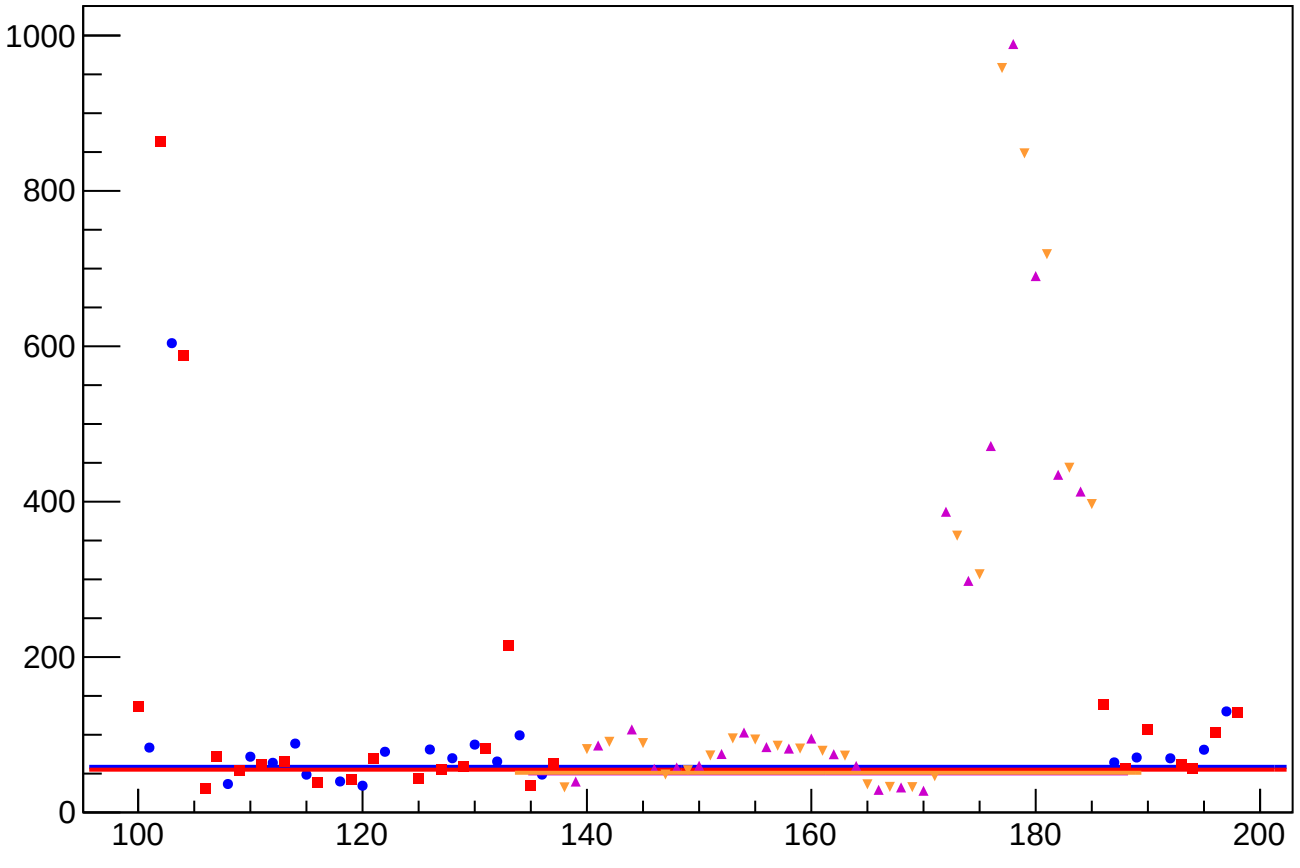
Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

Right: 0.003+/-0.014 χ^2/NDF: 34.6/45

In: -0.002+/-0.012 χ^2/NDF:26.2/43

Out: 0.022+/-0.012 χ^2/NDF:66.3/48

All: 0.011+/-0.009 χ^2/NDF: 94.6/92



Right In: 58.718+/-0.015 χ^2/NDF: 2929135.7/20

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 55.066+/-0.013 χ^2/NDF: 4366014.3/24

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

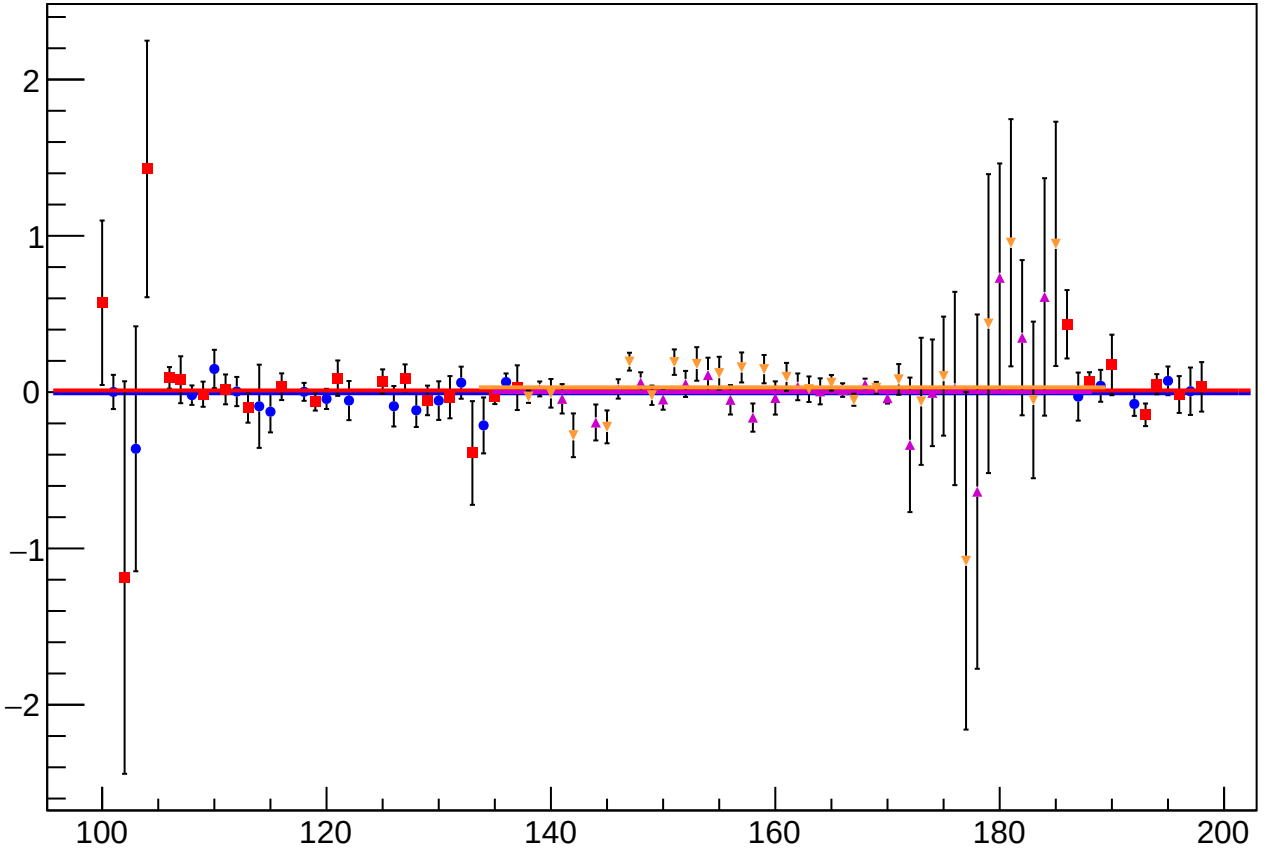
Right: 56.701+/-0.010 χ^2/NDF: 7329674.9/45

In: 53.240+/-0.009 χ^2/NDF:15342269.9/43

Out: 52.710+/-0.008 χ^2/NDF:16156897.7/48

All: 52.967+/-0.006 χ^2/NDF: 31501085.5/92

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.021 χ^2/NDF: 10.1/20

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.011+/-0.019 χ^2/NDF: 24.1/24

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

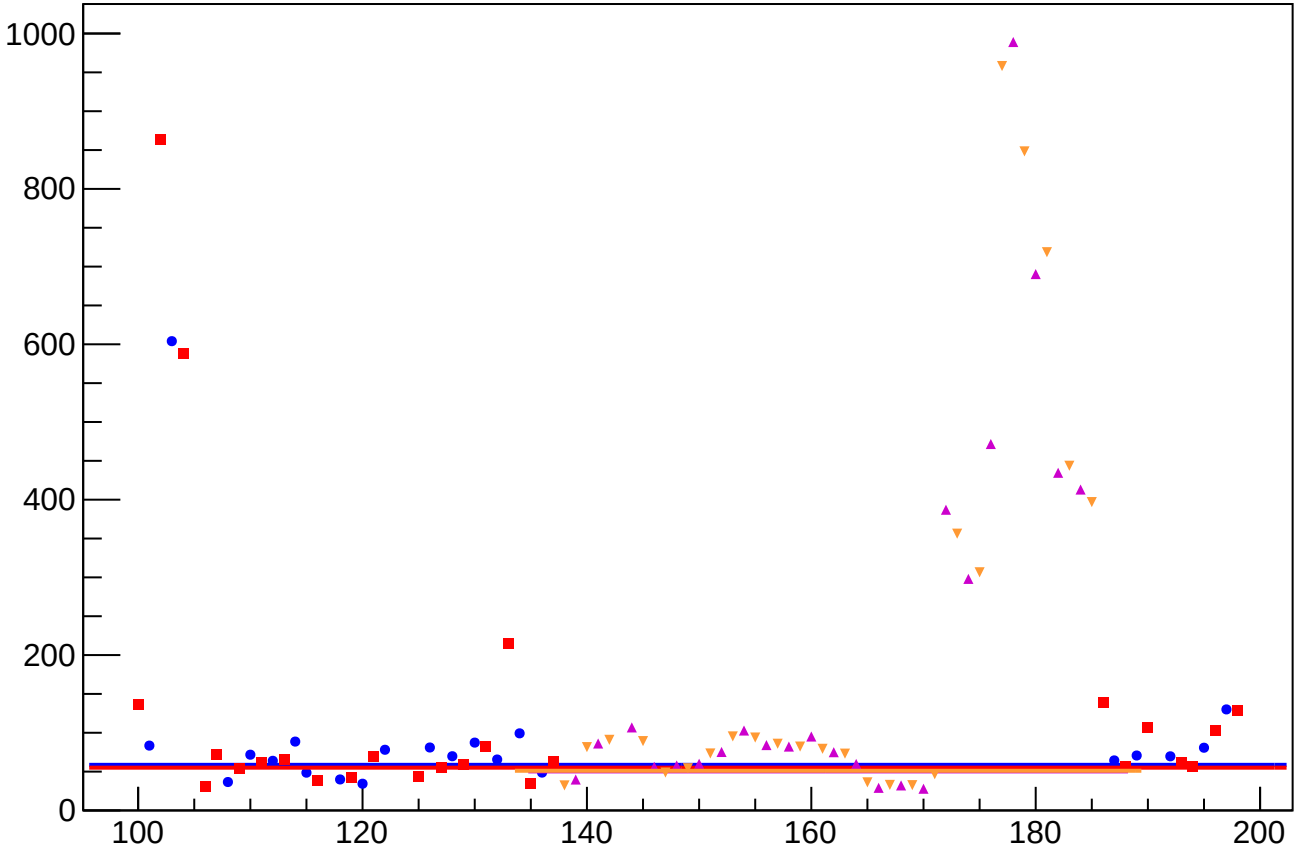
Right: 0.003+/-0.014 χ^2/NDF: 34.6/45

In: -0.002+/-0.012 χ^2/NDF:26.2/43

Out: 0.022+/-0.012 χ^2/NDF:66.3/48

All: 0.011+/-0.009 χ^2/NDF: 94.6/92

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 58.718+/-0.015 χ^2/NDF: 2929135.7/20

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 55.066+/-0.013 χ^2/NDF: 4366014.3/24

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

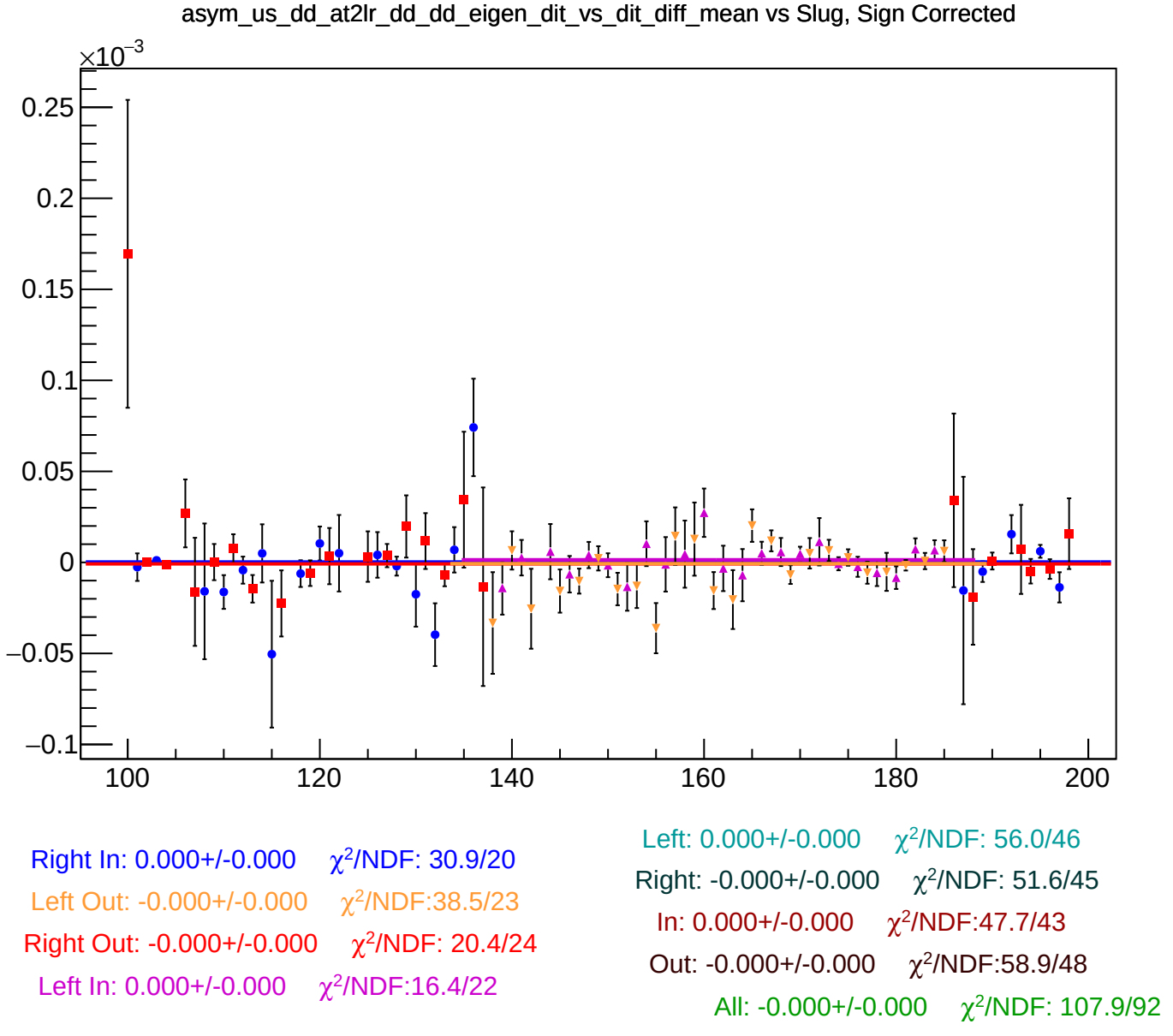
Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

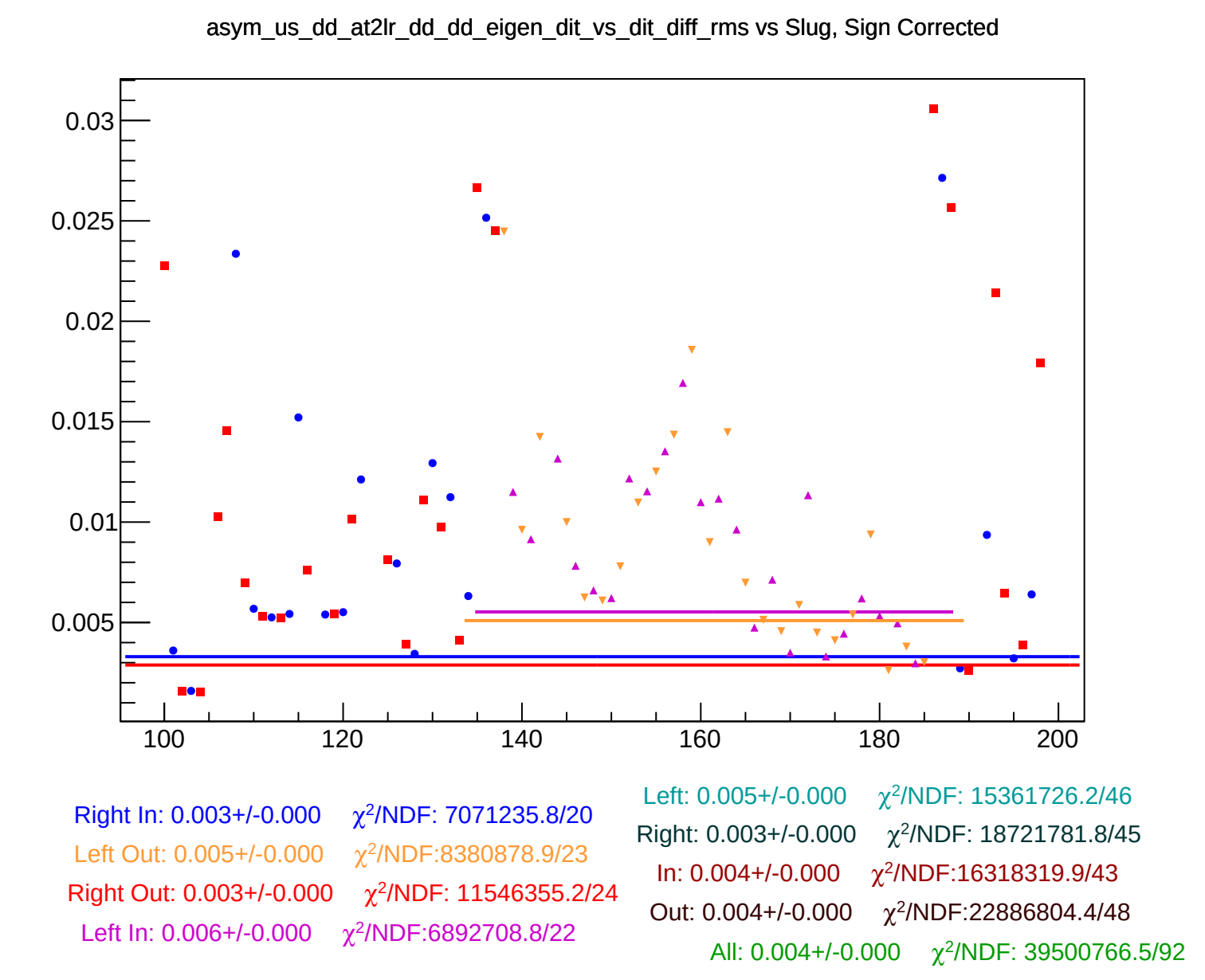
Right: 56.701+/-0.010 χ^2/NDF: 7329674.9/45

In: 53.240+/-0.009 χ^2/NDF:15342269.9/43

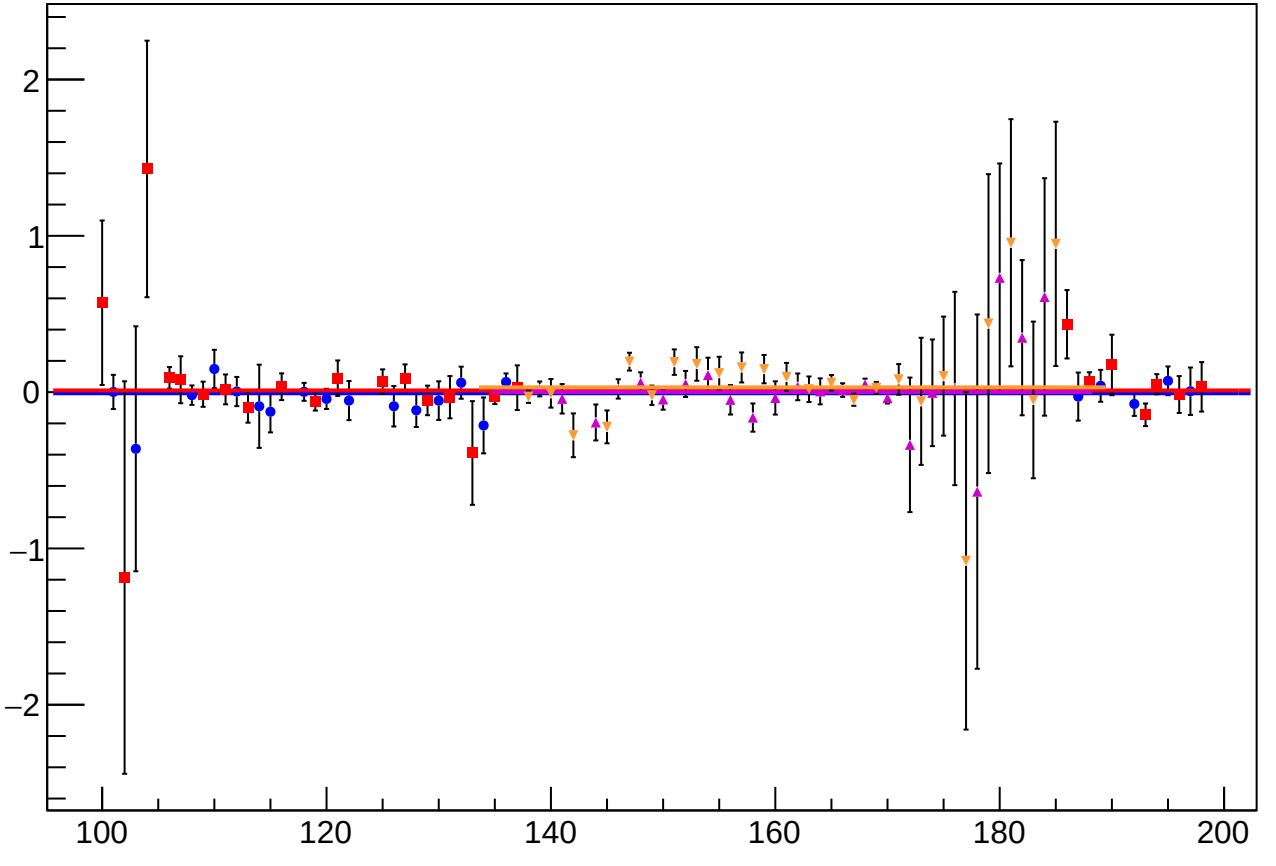
Out: 52.710+/-0.008 χ^2/NDF:16156897.7/48

All: 52.967+/-0.006 χ^2/NDF: 31501085.5/92


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 30.9/20
Left Out: -0.000+/-0.000 χ²/NDF:38.5/23
Right Out: -0.000+/-0.000 χ²/NDF: 20.4/24
Left In: 0.000+/-0.000 χ²/NDF:16.4/22
Left: 0.000+/-0.000 χ²/NDF: 56.0/46
Right: -0.000+/-0.000 χ²/NDF: 51.6/45
In: 0.000+/-0.000 χ²/NDF:47.7/43
Out: -0.000+/-0.000 χ²/NDF:58.9/48
All: -0.000+/-0.000 χ²/NDF: 107.9/92


asym_us_dd_at2lr_dd_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: 0.003+/-0.000 χ²/NDF: 7071235.8/20
Left Out: 0.005+/-0.000 χ²/NDF:8380878.9/23
Right Out: 0.003+/-0.000 χ²/NDF: 11546355.2/24
Left In: 0.006+/-0.000 χ²/NDF:6892708.8/22
Left: 0.005+/-0.000 χ²/NDF: 15361726.2/46
Right: 0.003+/-0.000 χ²/NDF: 18721781.8/45
In: 0.004+/-0.000 χ²/NDF:16318319.9/43
Out: 0.004+/-0.000 χ²/NDF:22886804.4/48
All: 0.004+/-0.000 χ²/NDF: 39500766.5/92

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.021 χ^2/NDF: 10.1/20

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.011+/-0.019 χ^2/NDF: 24.1/24

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

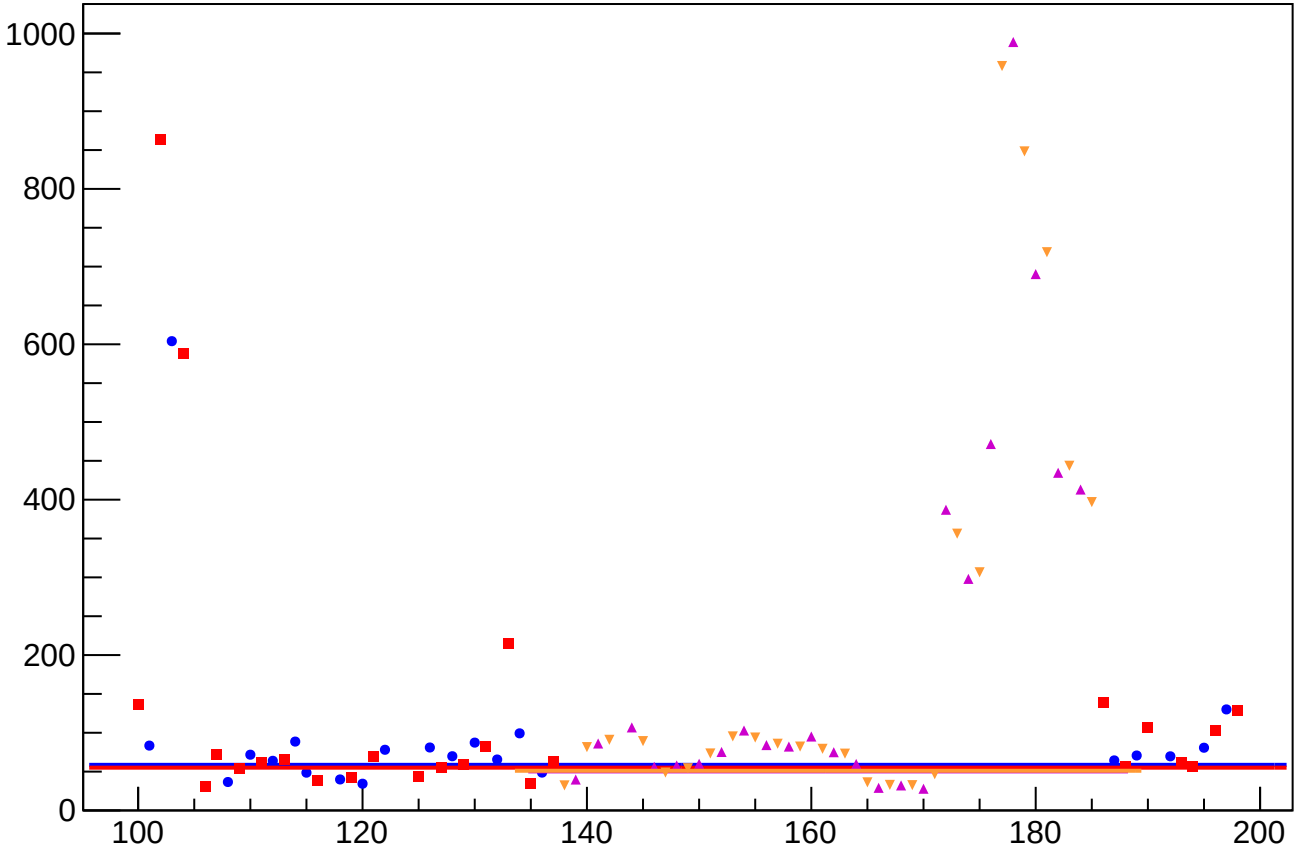
Right: 0.003+/-0.014 χ^2/NDF: 34.6/45

In: -0.002+/-0.012 χ^2/NDF:26.2/43

Out: 0.022+/-0.012 χ^2/NDF:66.3/48

All: 0.011+/-0.009 χ^2/NDF: 94.6/92

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 58.721+/-0.015 χ^2/NDF: 2928590.2/20

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 55.068+/-0.013 χ^2/NDF: 4365693.0/24

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

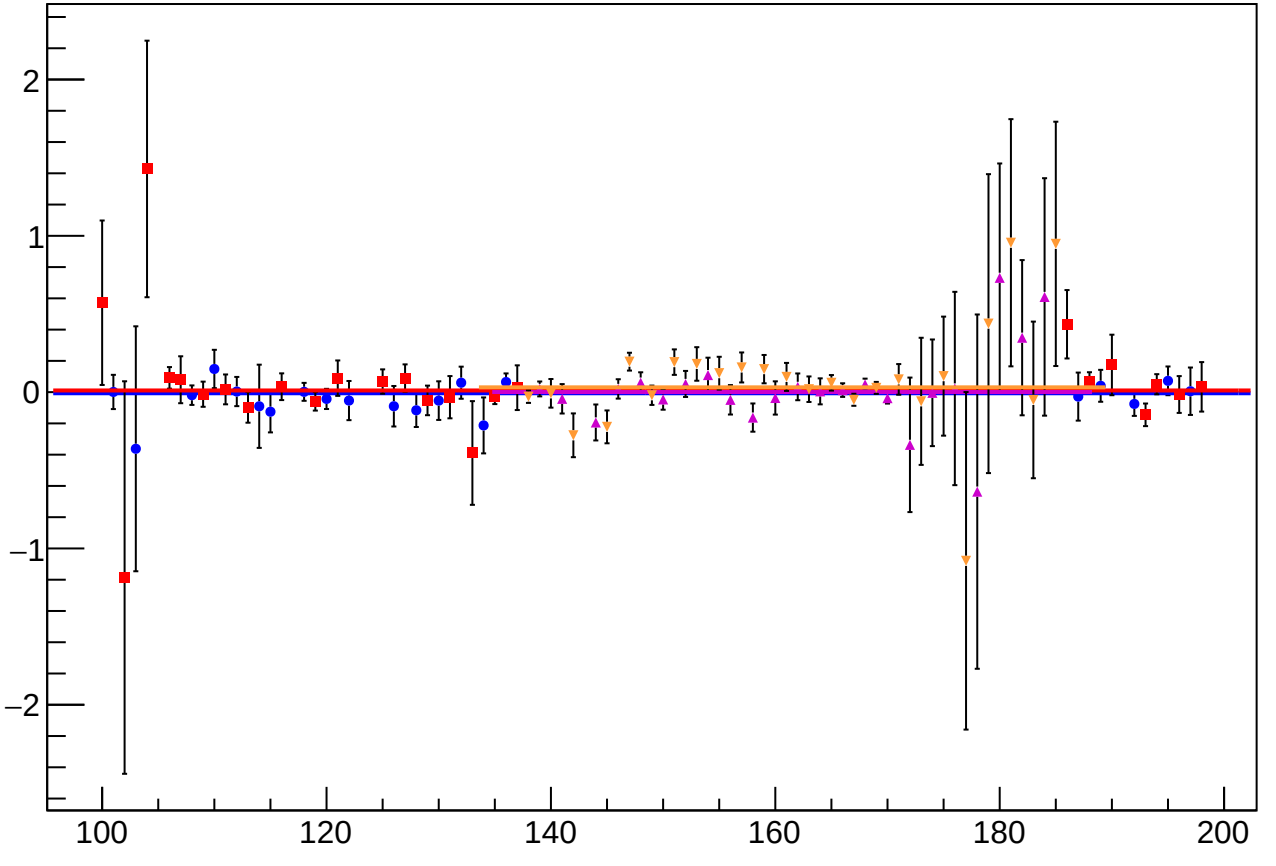
Right: 56.704+/-0.010 χ^2/NDF: 7328826.8/45

In: 53.241+/-0.009 χ^2/NDF:15341810.9/43

Out: 52.713+/-0.008 χ^2/NDF:16155730.3/48

All: 52.968+/-0.006 χ^2/NDF: 31499449.5/92

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.021 χ^2/NDF: 10.1/20

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.011+/-0.019 χ^2/NDF: 24.1/24

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

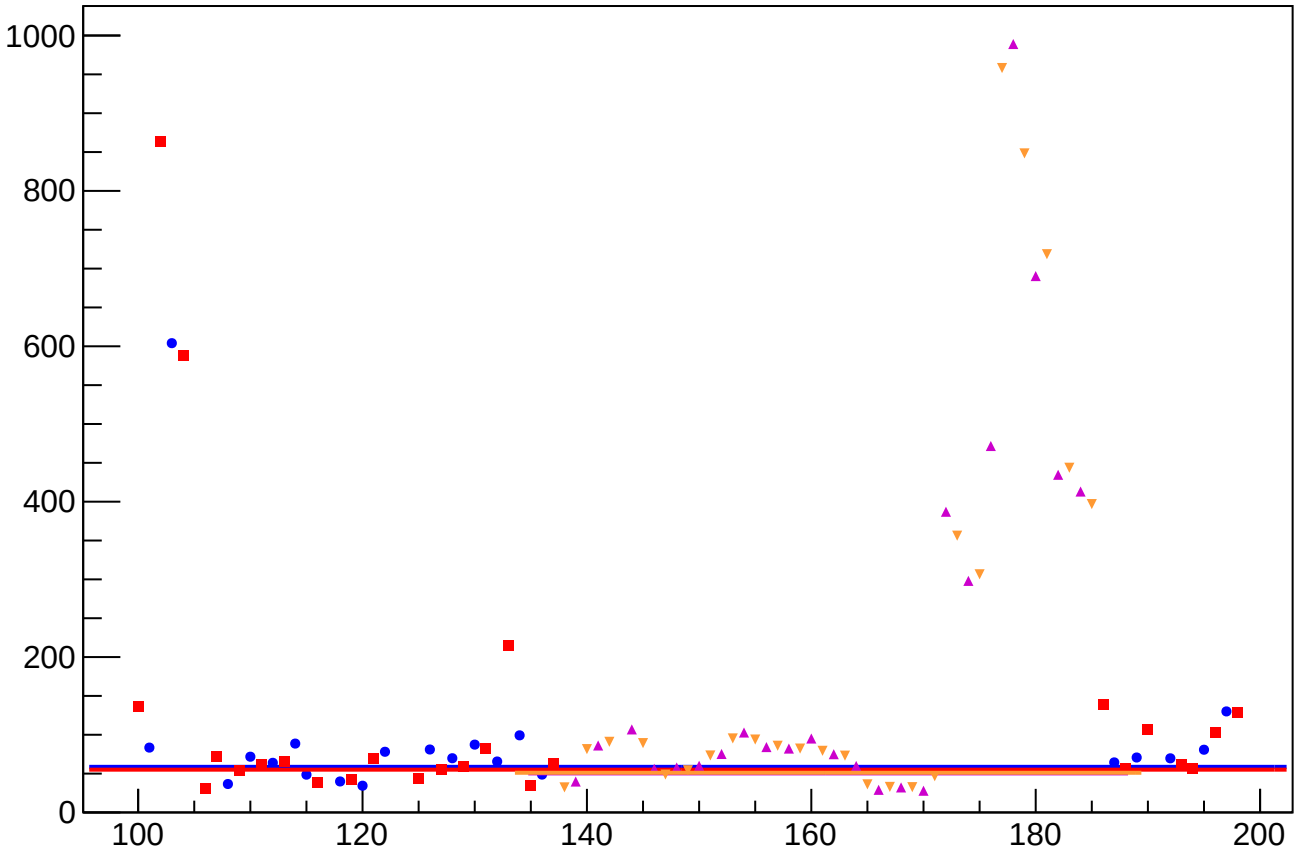
Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

Right: 0.003+/-0.014 χ^2/NDF: 34.6/45

In: -0.002+/-0.012 χ^2/NDF:26.2/43

Out: 0.022+/-0.012 χ^2/NDF:66.3/48

All: 0.011+/-0.009 χ^2/NDF: 94.6/92



Right In: 58.721+/-0.015 χ^2/NDF: 2928590.2/20

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 55.068+/-0.013 χ^2/NDF: 4365693.0/24

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

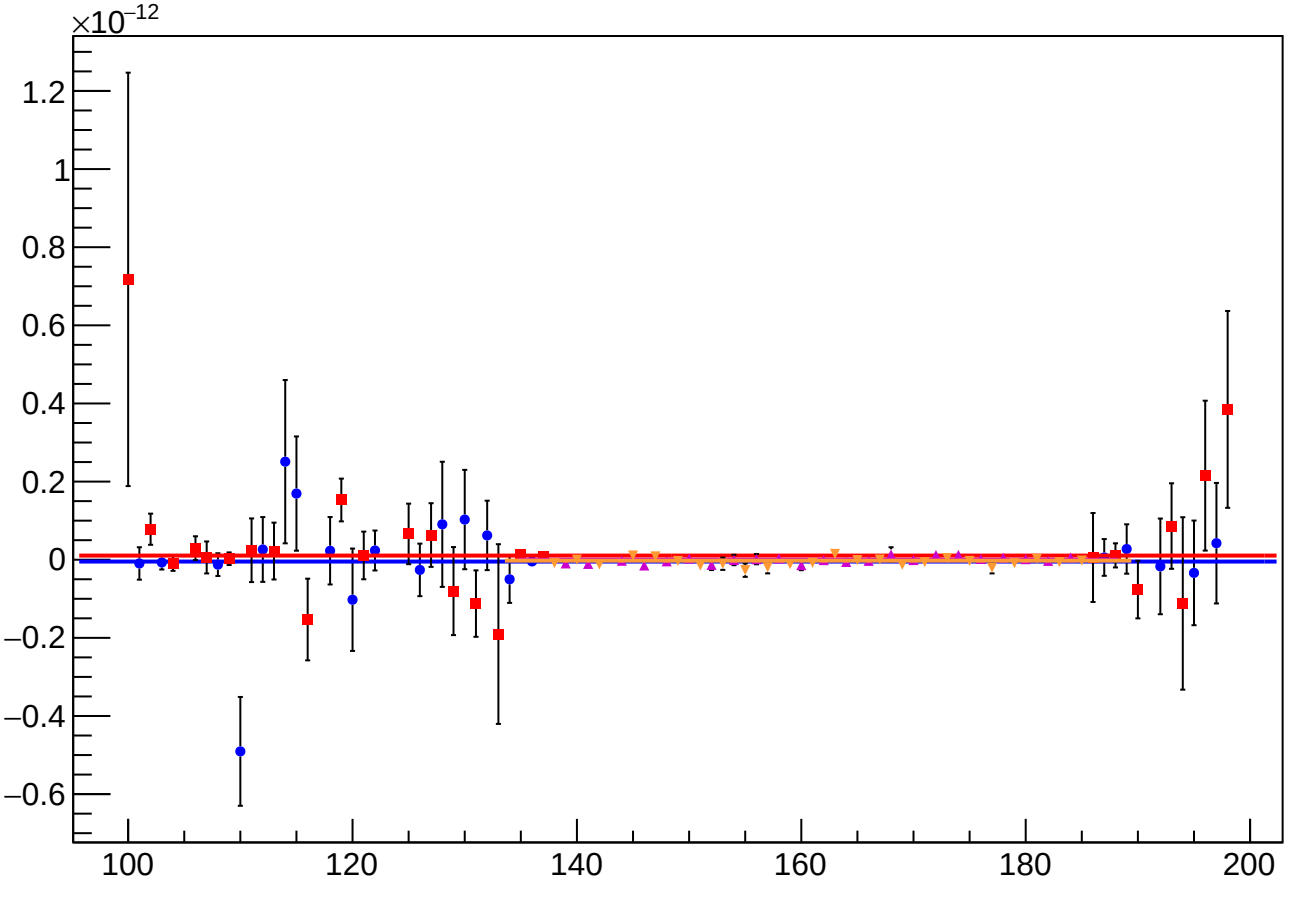
Right: 56.704+/-0.010 χ^2/NDF: 7328826.8/45

In: 53.241+/-0.009 χ^2/NDF:15341810.9/43

Out: 52.713+/-0.008 χ^2/NDF:16155730.3/48

All: 52.968+/-0.006 χ^2/NDF: 31499449.5/92

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: 19.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/24

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

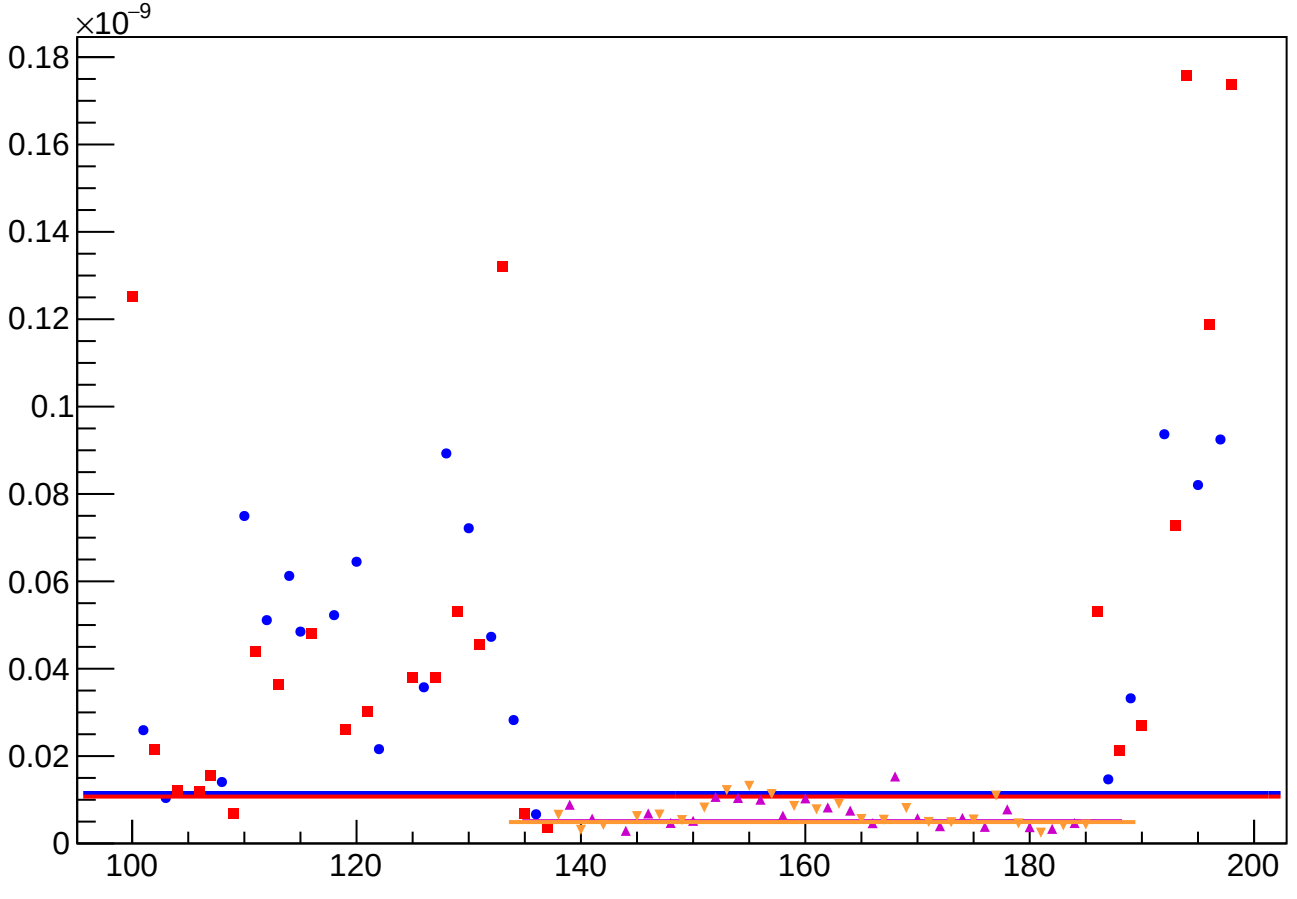
Left: -0.000+/-0.000 χ^2/NDF: 41.4/46

Right: 0.000+/-0.000 χ^2/NDF: 47.4/45

In: -0.000+/-0.000 χ^2/NDF:37.7/43

Out: -0.000+/-0.000 χ^2/NDF:51.9/48

All: -0.000+/-0.000 χ^2/NDF: 89.8/92



Right In: 0.000+/-0.000 χ^2/NDF: 6841018.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7948009.9/24

Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

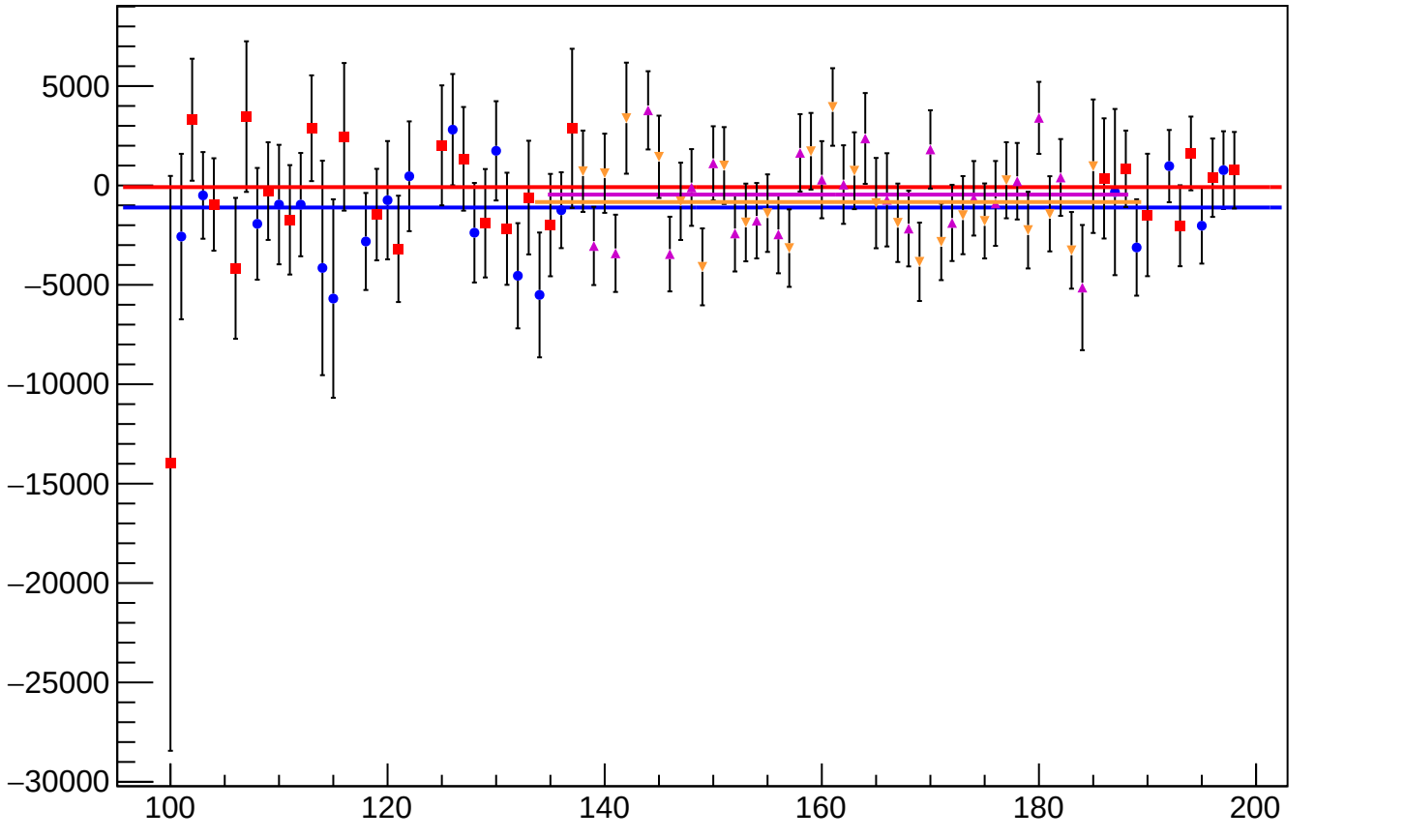
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

Right: 0.000+/-0.000 χ^2/NDF: 14804952.8/45

In: 0.000+/-0.000 χ^2/NDF:12370992.6/43

Out: 0.000+/-0.000 χ^2/NDF:13895947.2/48

All: 0.000+/-0.000 χ^2/NDF: 26288747.0/92



Right In: -1108.100+/-561.415 χ^2/NDF: 12.6/20

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: -83.268+/-521.081 χ^2/NDF: 13.6/24

Left In: -459.594+/-413.637 χ^2/NDF:27.3/22

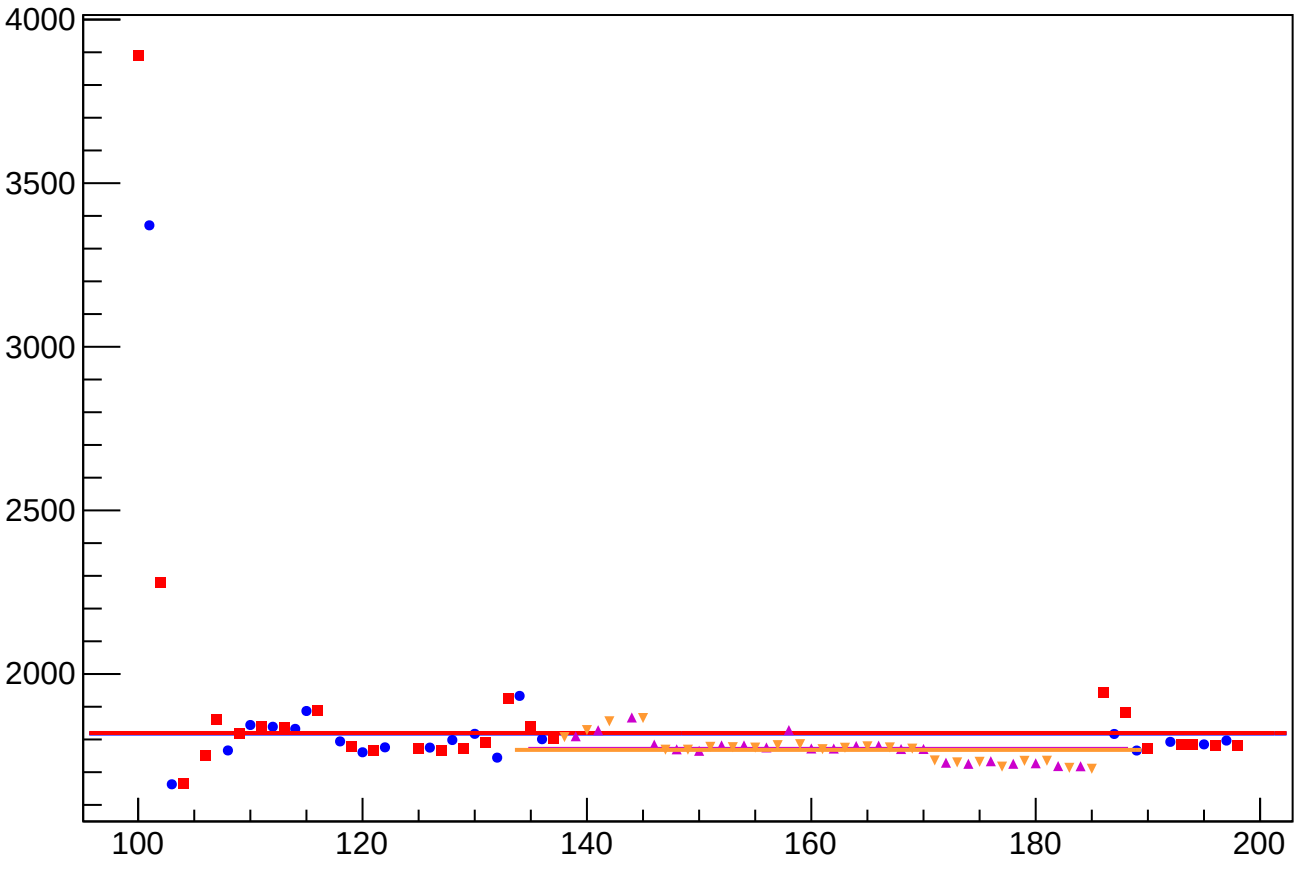
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -557.551+/-381.924 χ^2/NDF: 28.1/45

In: -687.767+/-333.012 χ^2/NDF:40.8/43

Out: -545.680+/-322.434 χ^2/NDF:40.3/48

All: -614.431+/-231.644 χ^2/NDF: 81.2/92



Right In: 1818.072+/-0.397 χ^2/NDF: 298525.7/20

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1819.787+/-0.368 χ^2/NDF: 112045.0/24

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

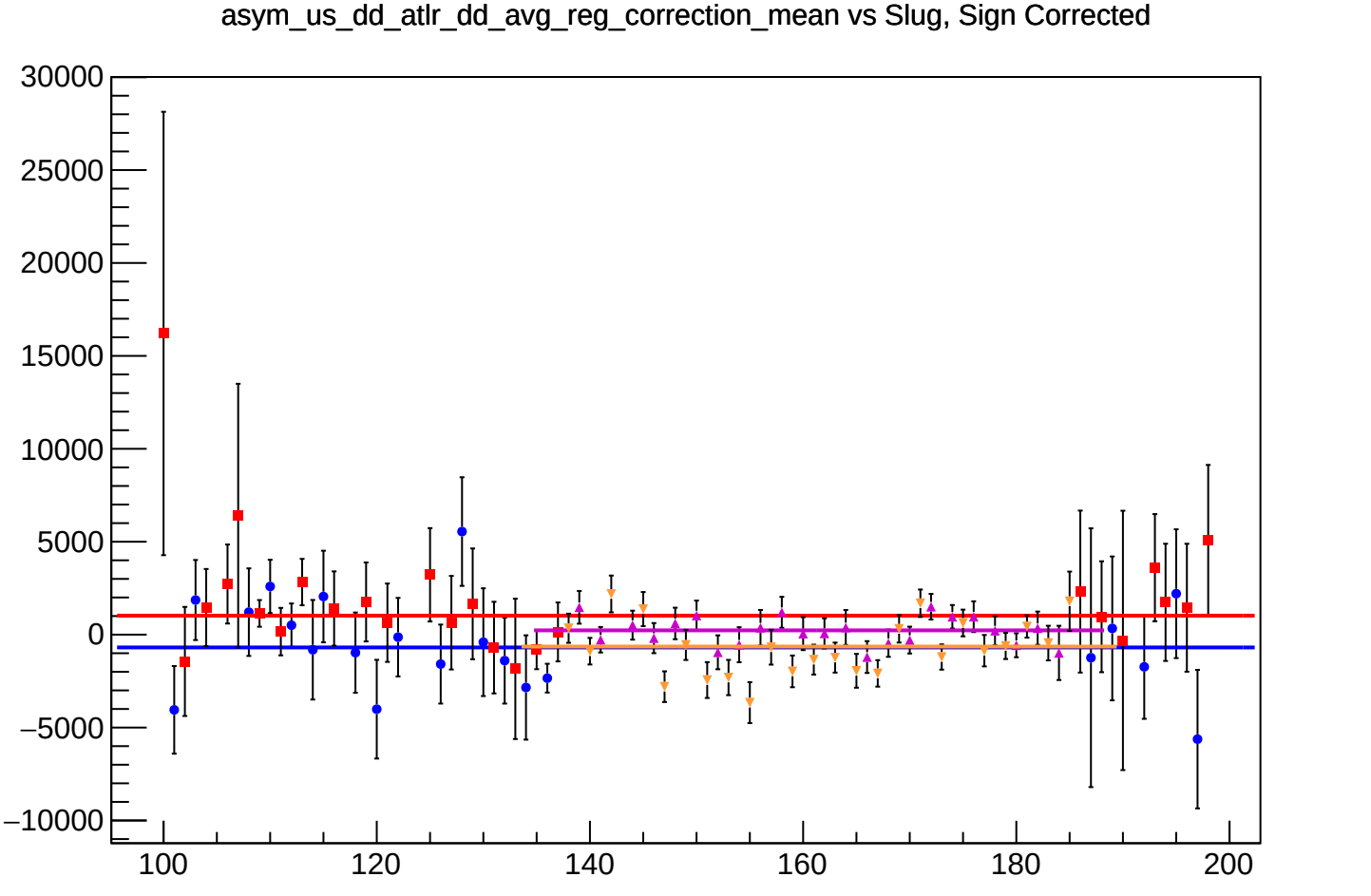
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1818.994+/-0.270 χ^2/NDF: 410580.7/45

In: 1787.703+/-0.235 χ^2/NDF:323980.6/43

Out: 1787.906+/-0.228 χ^2/NDF:140535.0/48

All: 1787.808+/-0.164 χ^2/NDF: 464516.0/92



Right In: -689.225+/-426.945 χ^2/NDF: 25.9/20

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: 1022.763+/-377.634 χ^2/NDF: 13.6/24

Left In: 230.653+/-168.319 χ^2/NDF:19.9/22

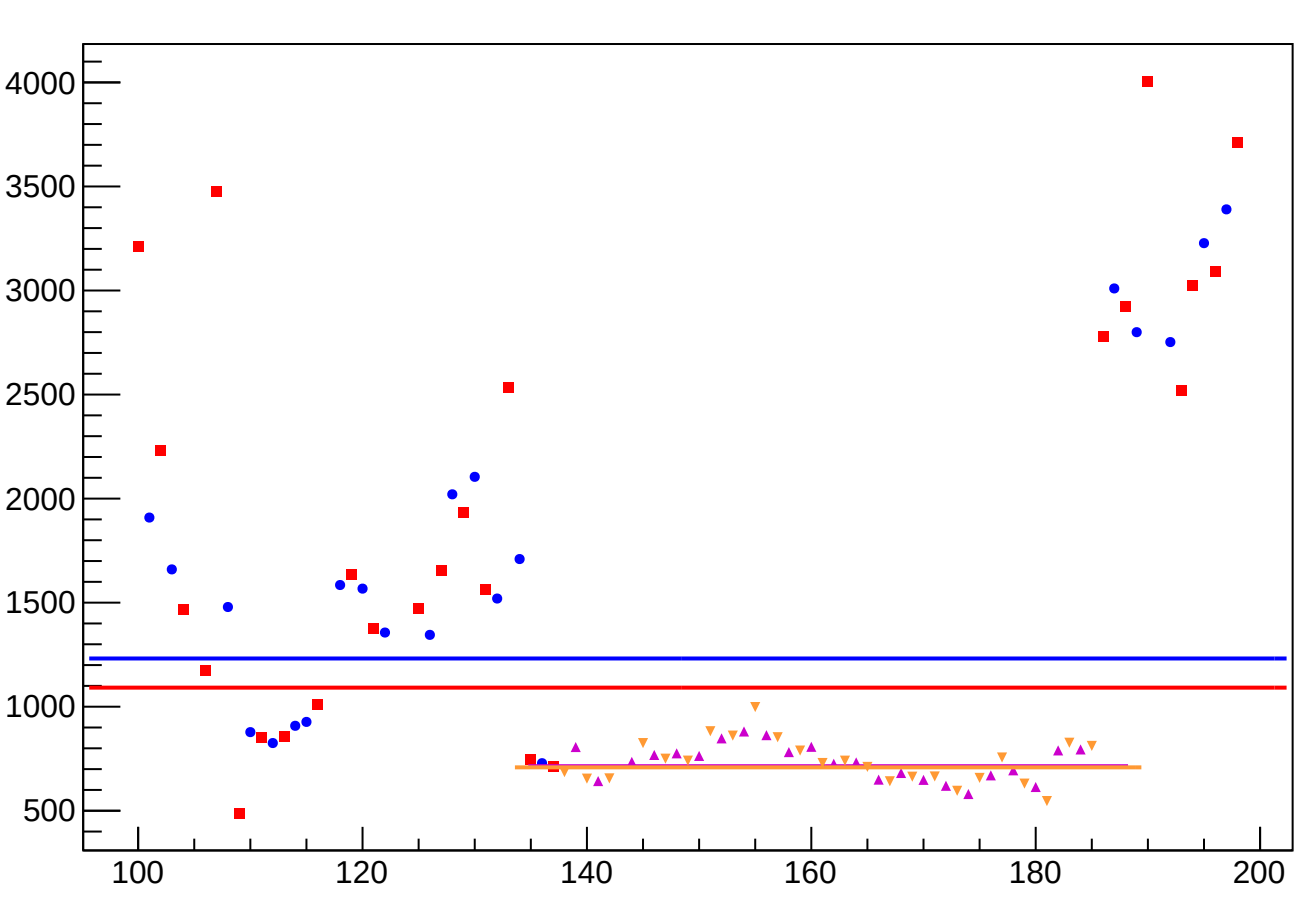
Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

Right: 271.300+/-282.863 χ^2/NDF: 48.5/45

In: 106.912+/-156.589 χ^2/NDF:49.9/43

Out: -370.375+/-152.310 χ^2/NDF:96.5/48

All: -138.342+/-109.181 χ^2/NDF: 151.2/92



Right In: 1231.682+/-0.302 χ^2/NDF: 4431334.3/20

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1091.595+/-0.267 χ^2/NDF: 7543959.9/24

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

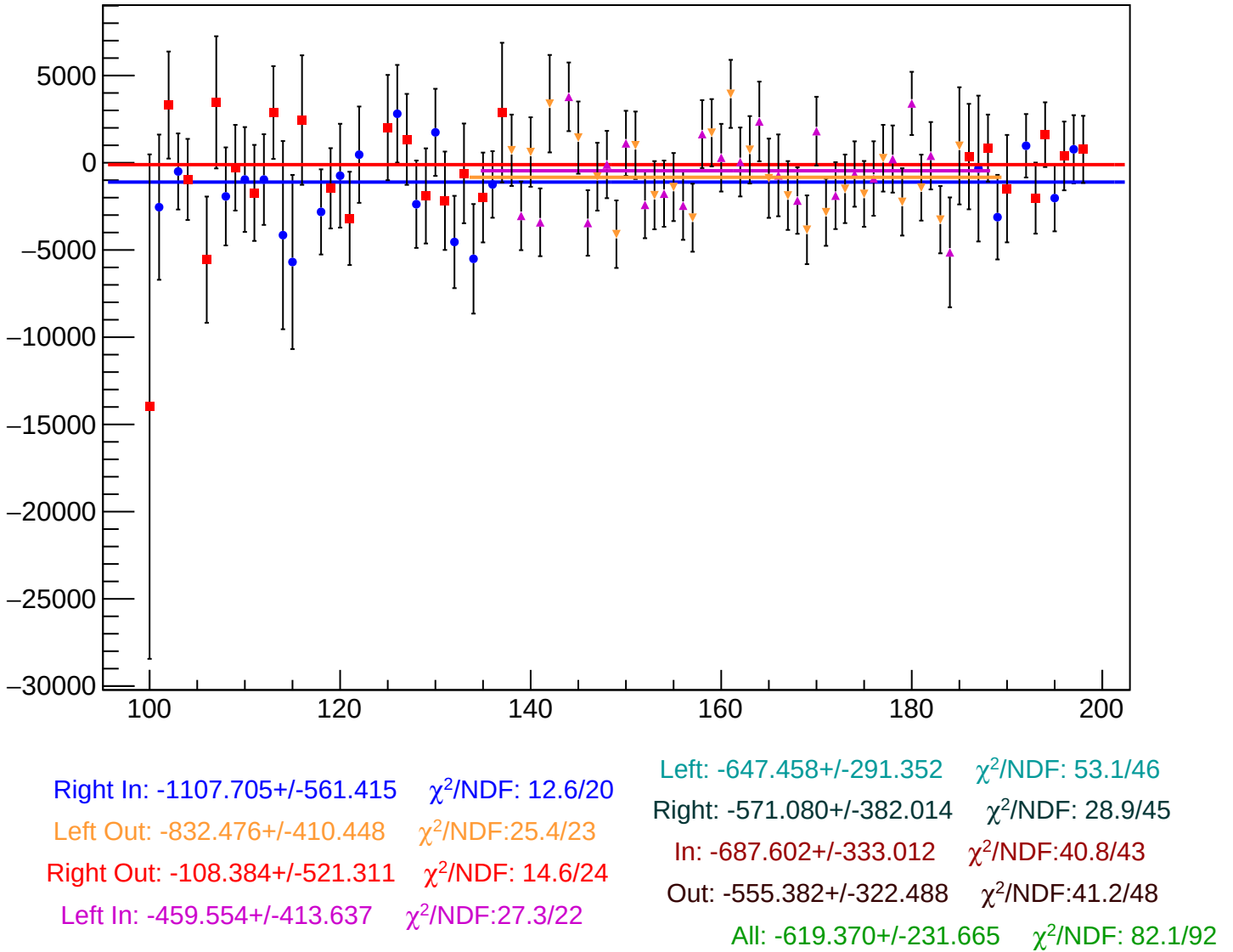
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1153.085+/-0.200 χ^2/NDF: 12096100.9/45

In: 783.778+/-0.111 χ^2/NDF:7471885.5/43

Out: 770.821+/-0.108 χ^2/NDF:9967845.7/48

All: 777.120+/-0.077 χ^2/NDF: 17446767.1/92


cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
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−5000
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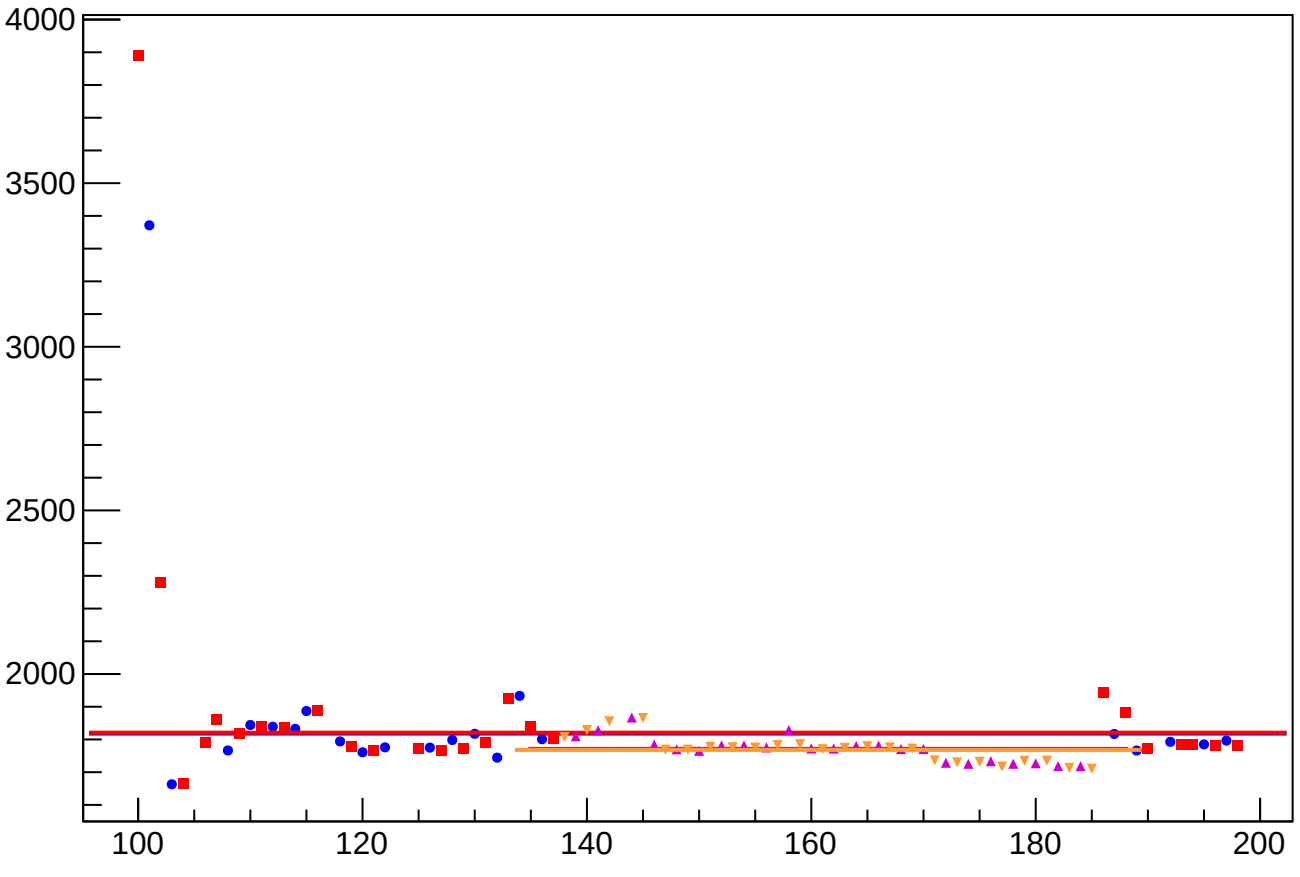
−15000
−20000
−25000
−30000
100
120
140
160
180
200
Right In: -1107.705+/-561.415 χ²/NDF: 12.6/20
Left Out: -832.476+/-410.448 χ²/NDF:25.4/23
Right Out: -108.384+/-521.311 χ²/NDF: 14.6/24
Left In: -459.554+/-413.637 χ²/NDF:27.3/22
Left: -647.458+/-291.352 χ²/NDF: 53.1/46
Right: -571.080+/-382.014 χ²/NDF: 28.9/45
In: -687.602+/-333.012 χ²/NDF:40.8/43
Out: -555.382+/-322.488 χ²/NDF:41.2/48
All: -619.370+/-231.665 χ²/NDF: 82.1/92



Right In: 1818.072+/-0.397 χ^2/NDF: 298527.5/20

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1820.697+/-0.369 χ^2/NDF: 111399.4/24

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

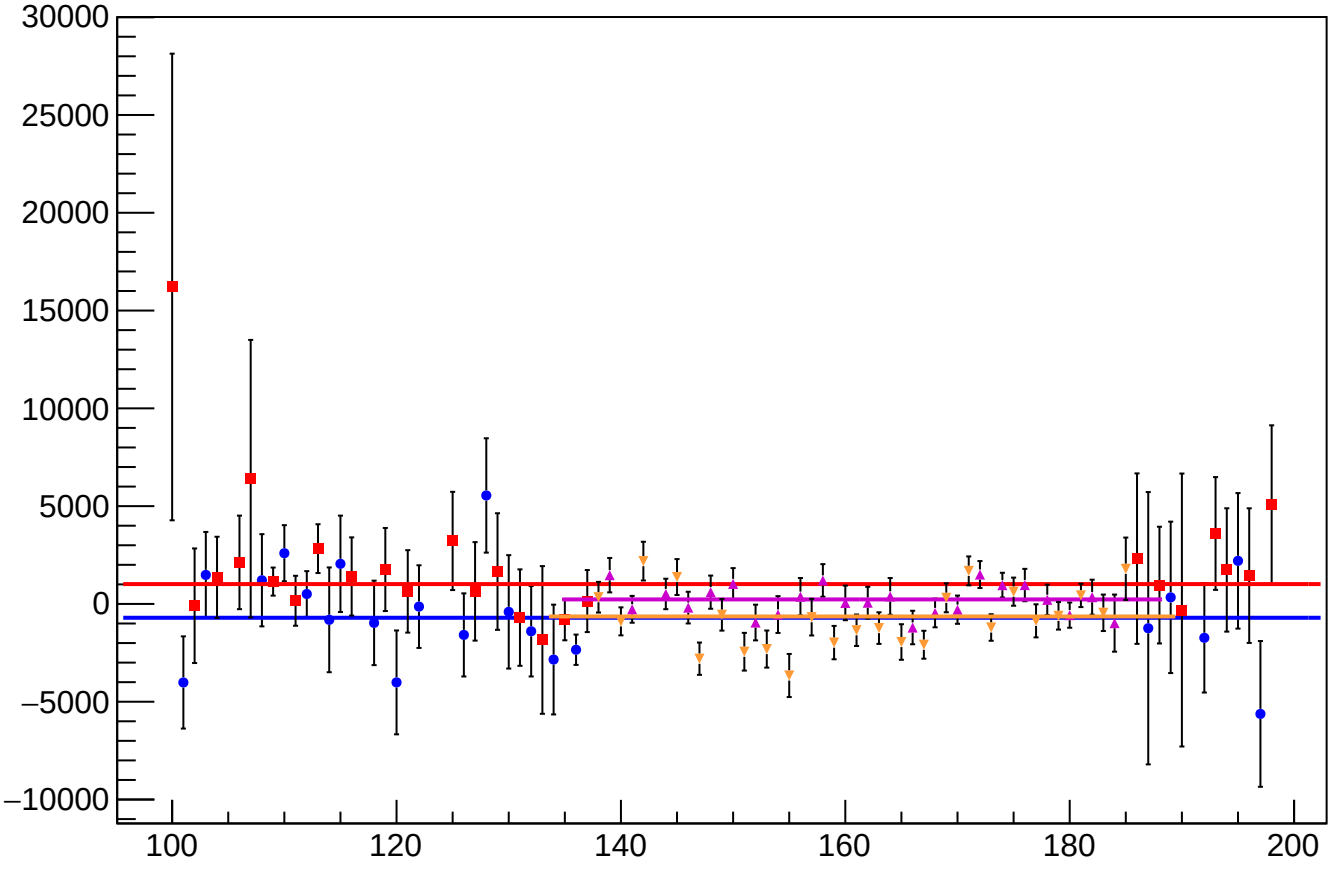
Right: 1819.481+/-0.270 χ^2/NDF: 409950.4/45

In: 1787.703+/-0.235 χ^2/NDF:323982.4/43

Out: 1788.243+/-0.228 χ^2/NDF:140313.4/48

All: 1787.982+/-0.164 χ^2/NDF: 464298.6/92

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -706.616+/-427.279 χ^2/NDF: 25.4/20

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 1015.334+/-378.866 χ^2/NDF: 12.6/24

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

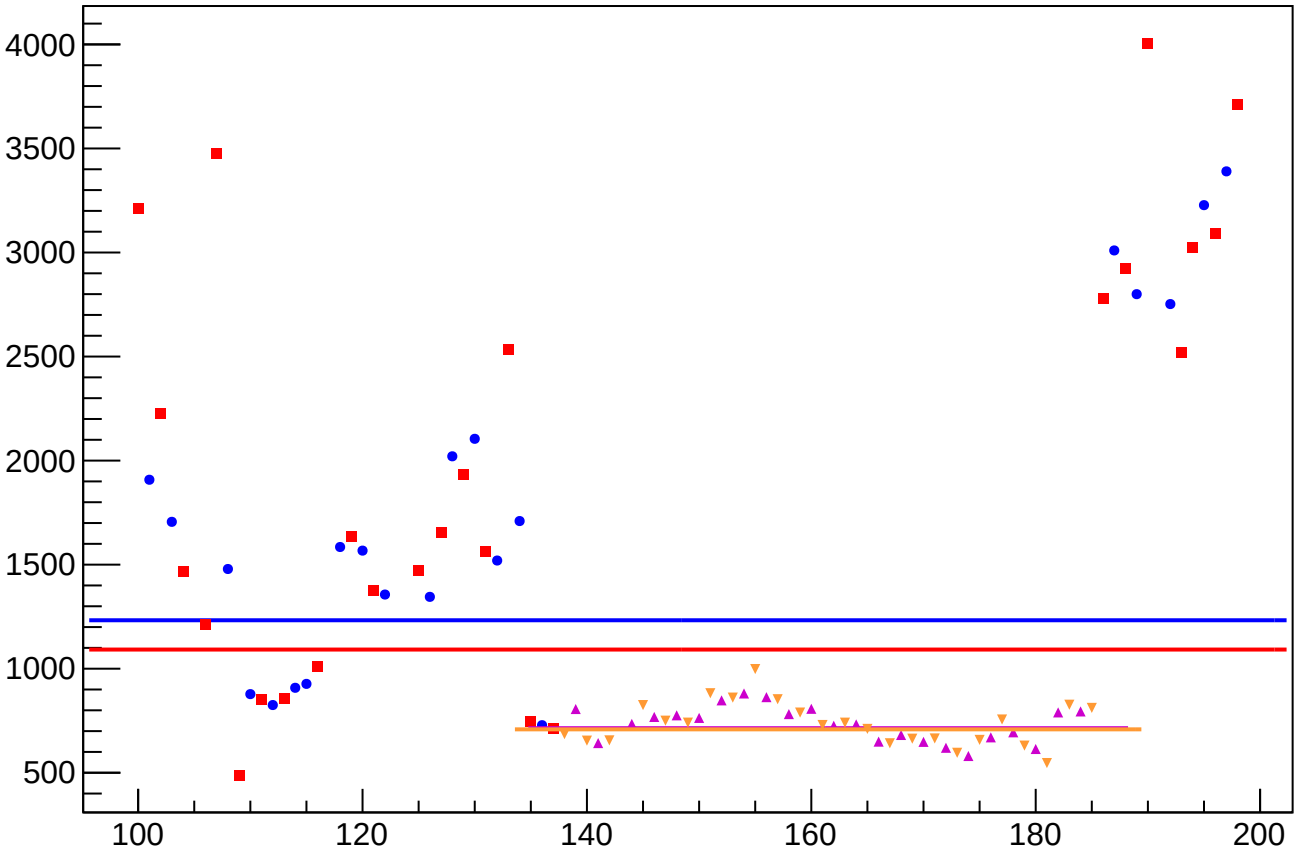
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 257.399+/-283.476 χ^2/NDF: 47.1/45

In: 104.672+/-156.607 χ^2/NDF:49.5/43

Out: -373.025+/-152.392 χ^2/NDF:95.3/48

All: -140.692+/-109.217 χ^2/NDF: 149.6/92



Right In: 1232.740+/-0.302 χ^2/NDF: 4444939.8/20

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1091.985+/-0.268 χ^2/NDF: 7544877.1/24

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

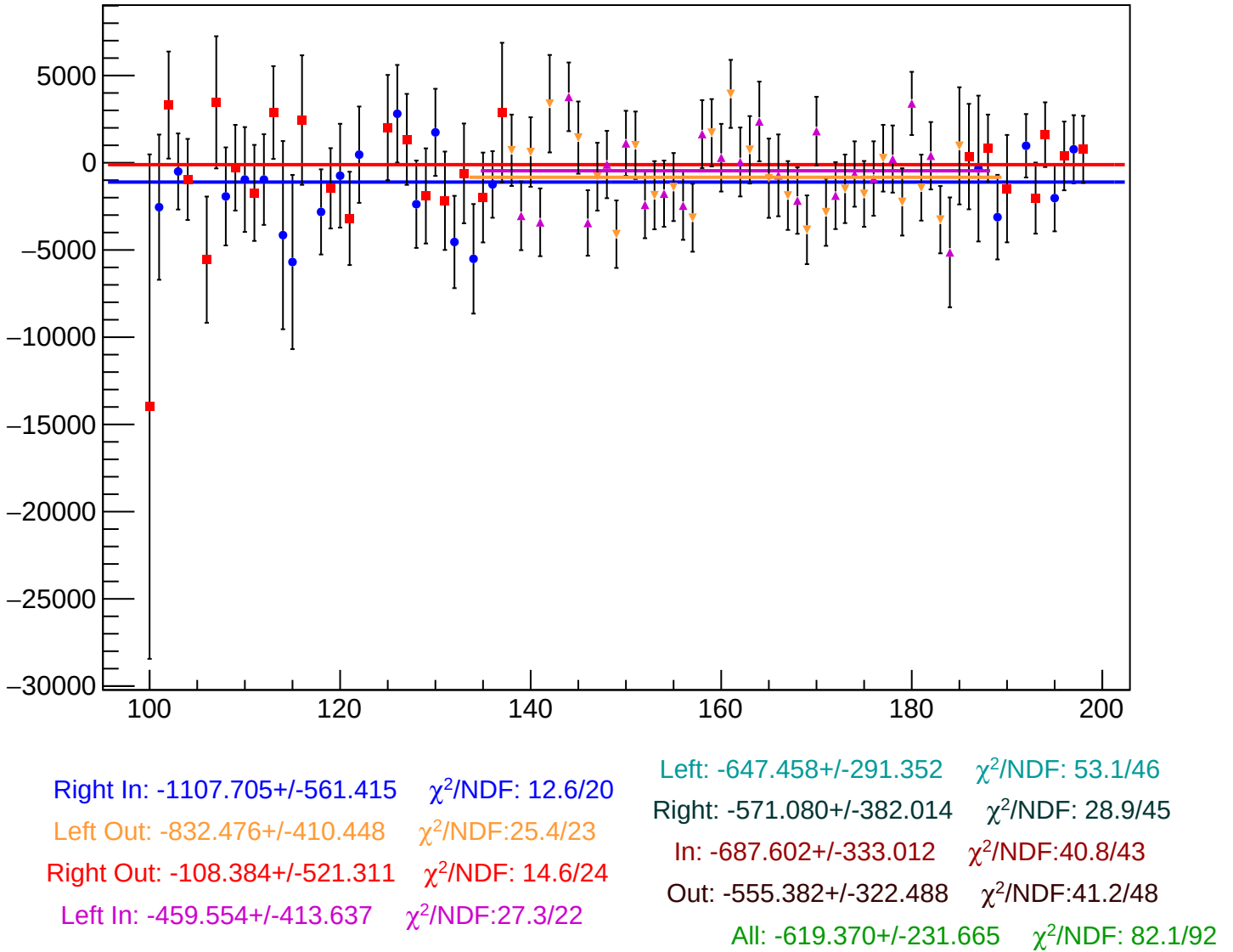
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1153.940+/-0.200 χ^2/NDF: 12111323.8/45

In: 783.832+/-0.111 χ^2/NDF:7492392.5/43

Out: 770.551+/-0.108 χ^2/NDF:9962798.1/48

All: 777.010+/-0.077 χ^2/NDF: 17462578.6/92


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
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−20000
−25000
−30000
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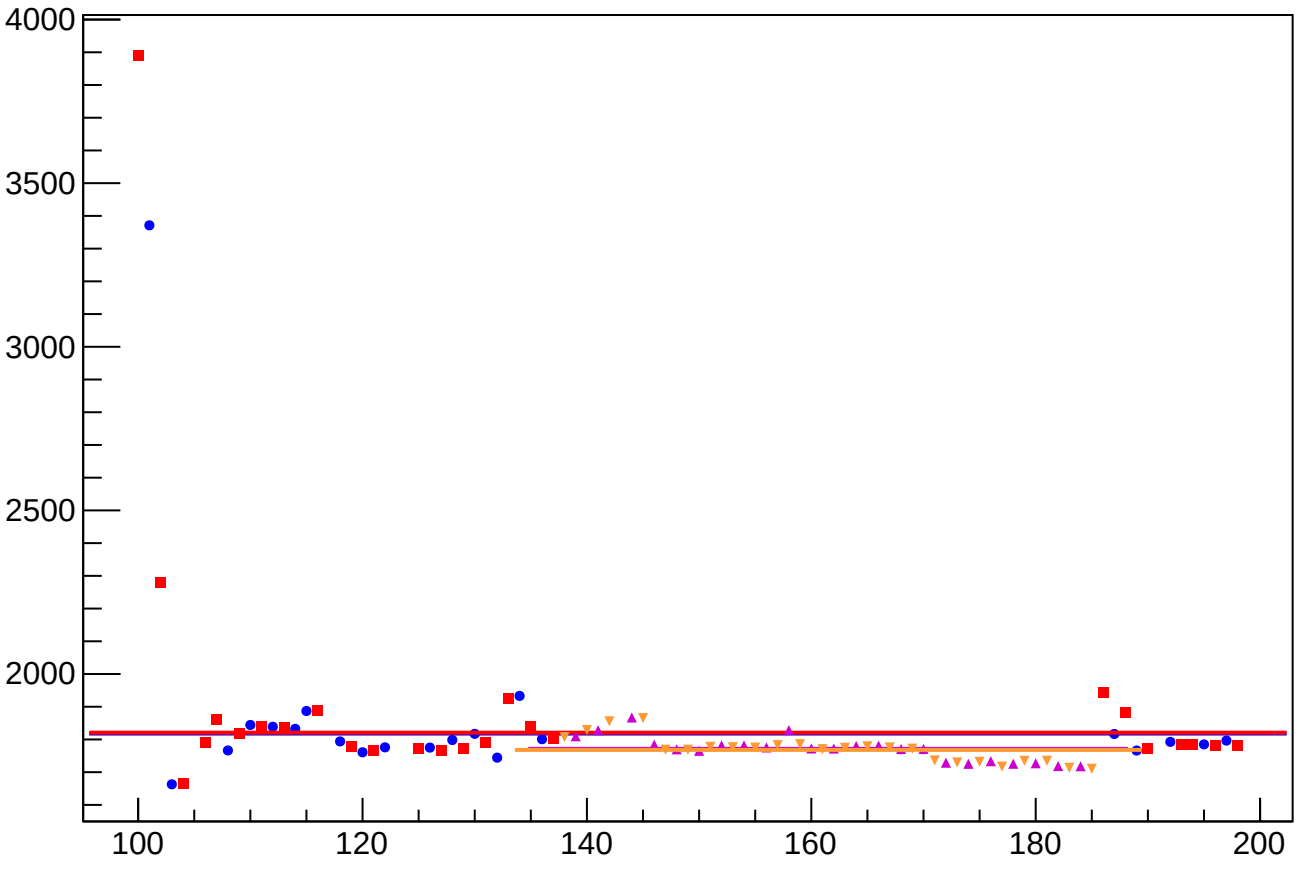
Right In: -1107.705+/-561.415 χ²/NDF: 12.6/20
Left Out: -832.476+/-410.448 χ²/NDF:25.4/23
Right Out: -108.384+/-521.311 χ²/NDF: 14.6/24
Left In: -459.554+/-413.637 χ²/NDF:27.3/22
Left: -647.458+/-291.352 χ²/NDF: 53.1/46
Right: -571.080+/-382.014 χ²/NDF: 28.9/45
In: -687.602+/-333.012 χ²/NDF:40.8/43
Out: -555.382+/-322.488 χ²/NDF:41.2/48
All: -619.370+/-231.665 χ²/NDF: 82.1/92



Right In: 1818.072+/-0.397 χ^2/NDF: 298527.5/20

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1820.697+/-0.369 χ^2/NDF: 111399.4/24

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

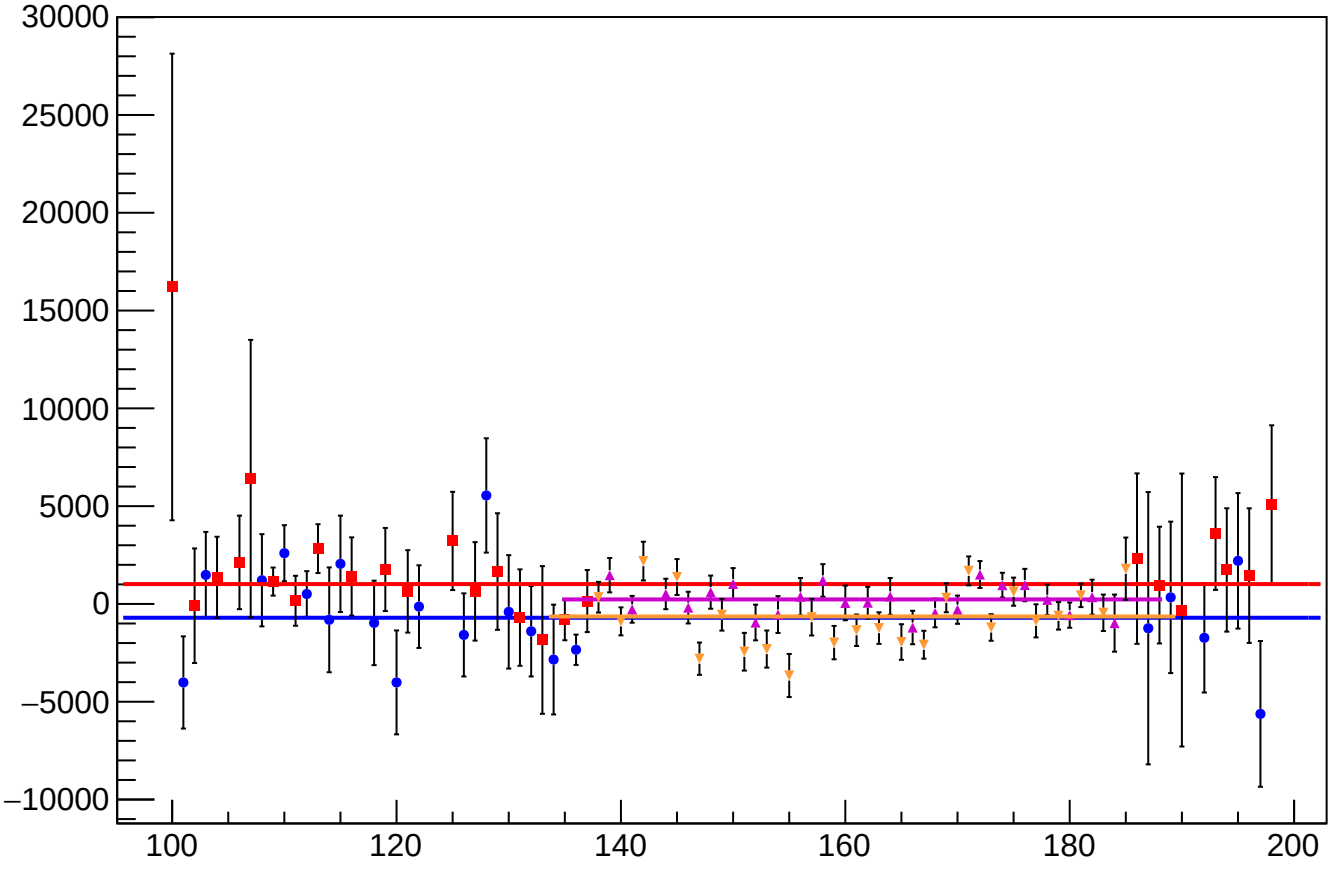
Right: 1819.481+/-0.270 χ^2/NDF: 409950.4/45

In: 1787.703+/-0.235 χ^2/NDF:323982.4/43

Out: 1788.243+/-0.228 χ^2/NDF:140313.4/48

All: 1787.982+/-0.164 χ^2/NDF: 464298.6/92

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -706.616+/-427.279 χ^2/NDF: 25.4/20

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 1015.334+/-378.866 χ^2/NDF: 12.6/24

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

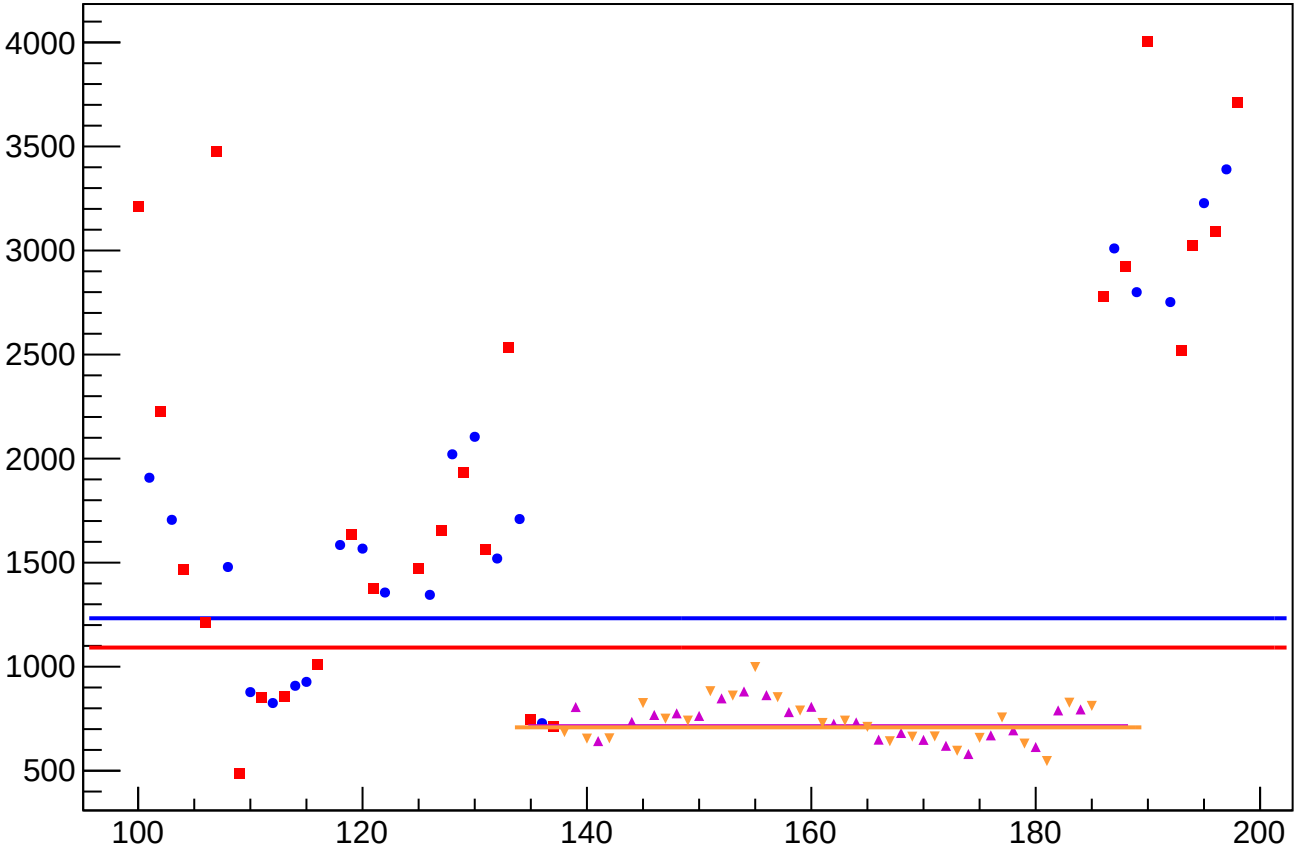
Right: 257.399+/-283.476 χ^2/NDF: 47.1/45

In: 104.672+/-156.607 χ^2/NDF:49.5/43

Out: -373.025+/-152.392 χ^2/NDF:95.3/48

All: -140.692+/-109.217 χ^2/NDF: 149.6/92

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1232.740+/-0.302 χ^2/NDF: 4444939.8/20

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1091.985+/-0.268 χ^2/NDF: 7544877.1/24

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

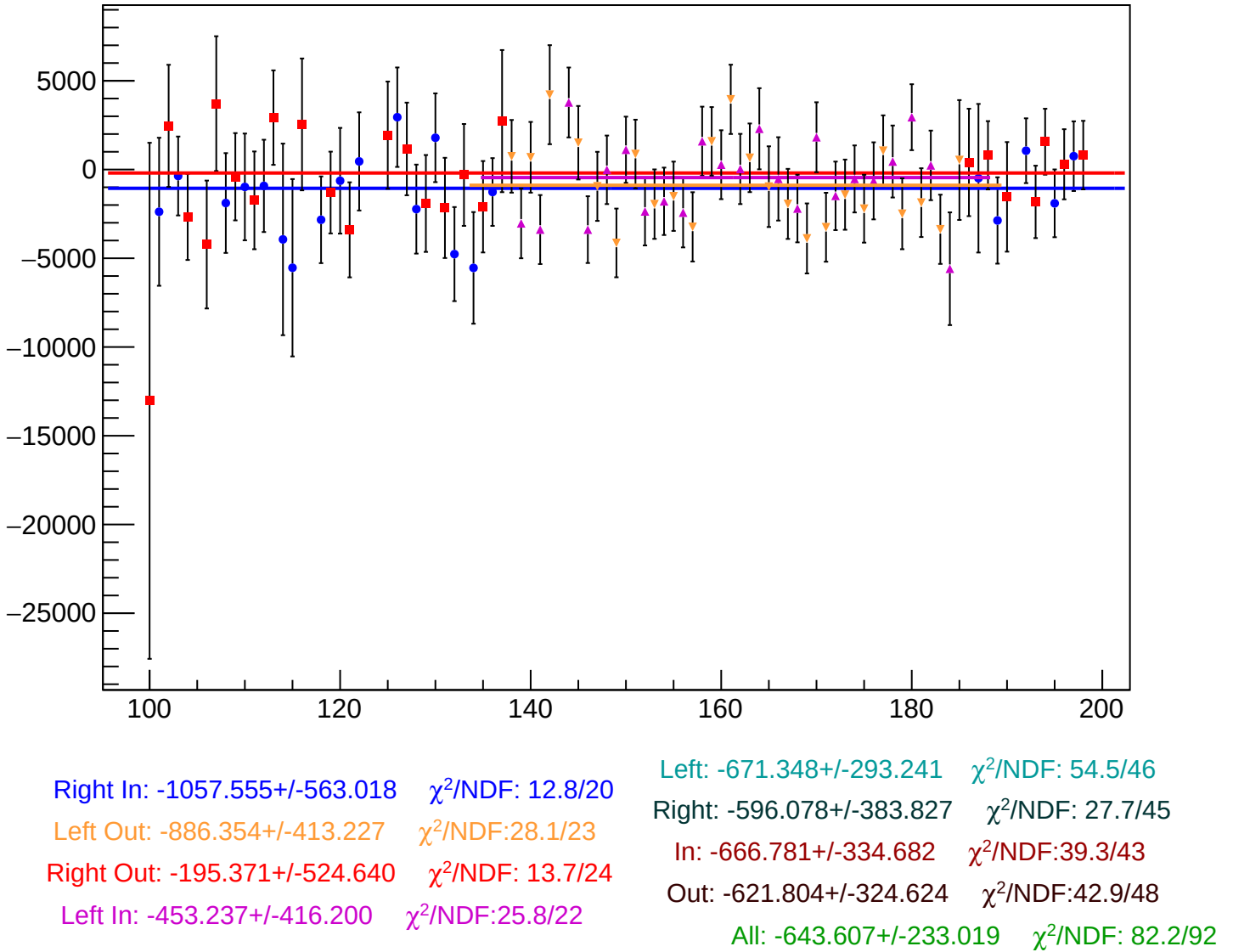
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1153.940+/-0.200 χ^2/NDF: 12111323.8/45

In: 783.832+/-0.111 χ^2/NDF:7492392.5/43

Out: 770.551+/-0.108 χ^2/NDF:9962798.1/48

All: 777.010+/-0.077 χ^2/NDF: 17462578.6/92


dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
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−20000
−25000
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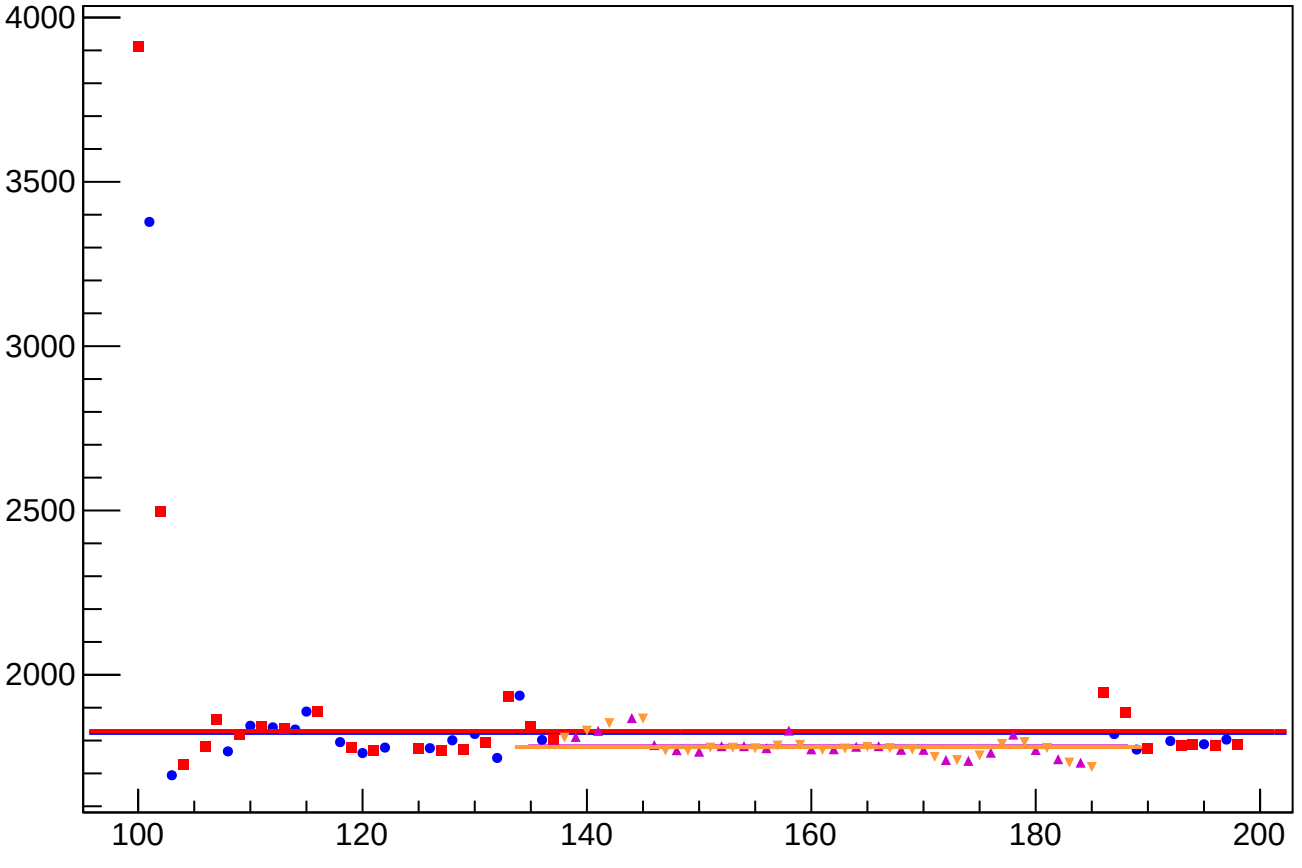
Right In: -1057.555+/-563.018 χ²/NDF: 12.8/20
Left Out: -886.354+/-413.227 χ²/NDF:28.1/23
Right Out: -195.371+/-524.640 χ²/NDF: 13.7/24
Left In: -453.237+/-416.200 χ²/NDF:25.8/22
Left: -671.348+/-293.241 χ²/NDF: 54.5/46
Right: -596.078+/-383.827 χ²/NDF: 27.7/45
In: -666.781+/-334.682 χ²/NDF:39.3/43
Out: -621.804+/-324.624 χ²/NDF:42.9/48
All: -643.607+/-233.019 χ²/NDF: 82.2/92



Right In: 1823.347+/-0.398 χ^2/NDF: 295019.1/20

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1828.951+/-0.371 χ^2/NDF: 137681.9/24

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

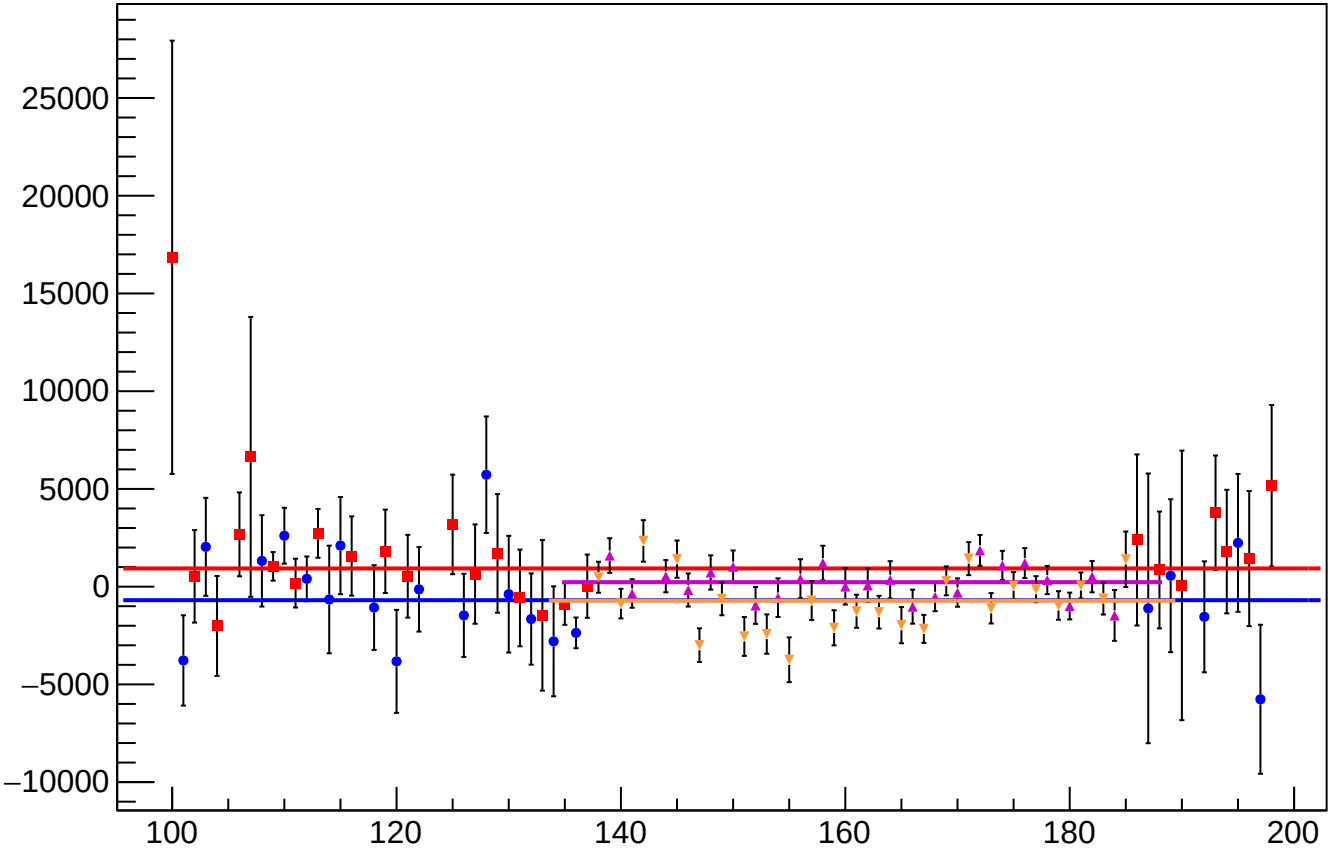
Right: 1826.346+/-0.271 χ^2/NDF: 432807.0/45

In: 1796.803+/-0.237 χ^2/NDF:313125.7/43

Out: 1798.877+/-0.230 χ^2/NDF:158710.7/48

All: 1797.872+/-0.165 χ^2/NDF: 471876.0/92

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -692.453+/-430.768 χ^2/NDF: 25.4/20

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

Right Out: 931.899+/-381.154 χ^2/NDF: 14.6/24

Left In: 231.320+/-173.436 χ^2/NDF:24.1/22

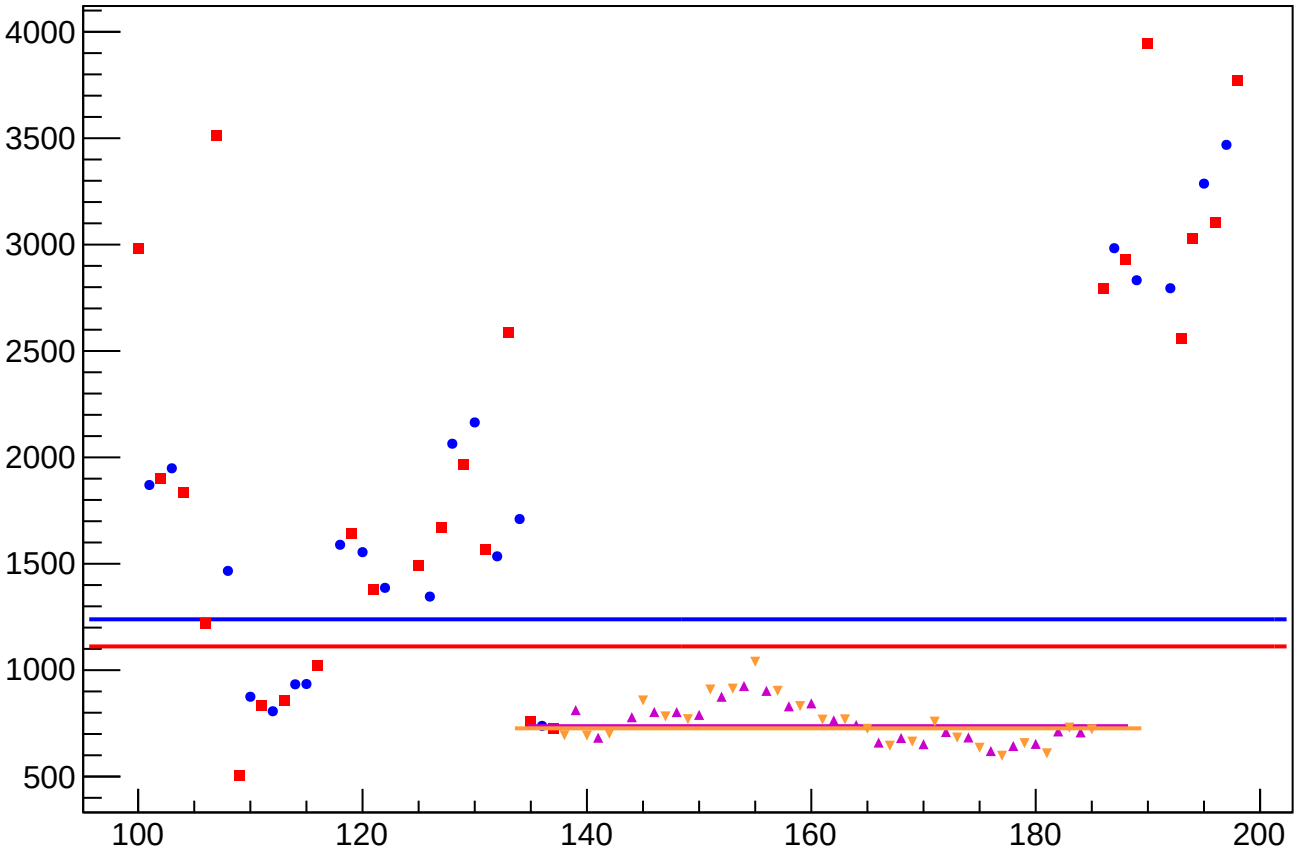
Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

Right: 218.614+/-285.454 χ^2/NDF: 48.0/45

In: 102.463+/-160.885 χ^2/NDF:53.5/43

Out: -441.460+/-155.716 χ^2/NDF:89.5/48

All: -178.377+/-111.891 χ^2/NDF: 148.9/92



Right In: 1238.972+/-0.305 χ^2/NDF: 4561160.1/20

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 1111.611+/-0.270 χ^2/NDF: 7480417.1/24

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

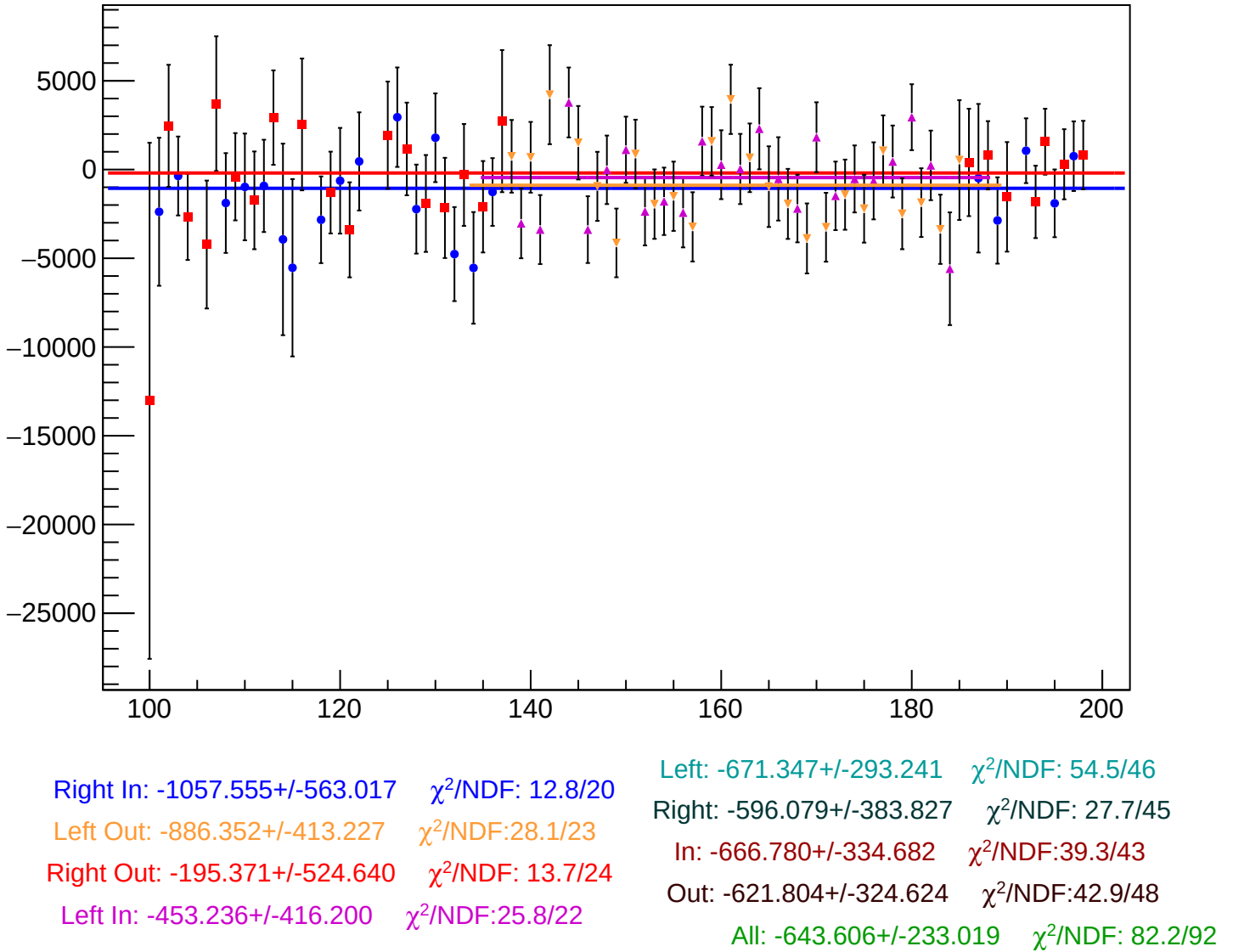
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

Right: 1167.538+/-0.202 χ^2/NDF: 12139636.7/45

In: 806.770+/-0.114 χ^2/NDF:7365899.5/43

Out: 790.863+/-0.110 χ^2/NDF:9865244.3/48

All: 798.557+/-0.079 χ^2/NDF: 17241238.6/92


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
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−20000
−25000
100
120
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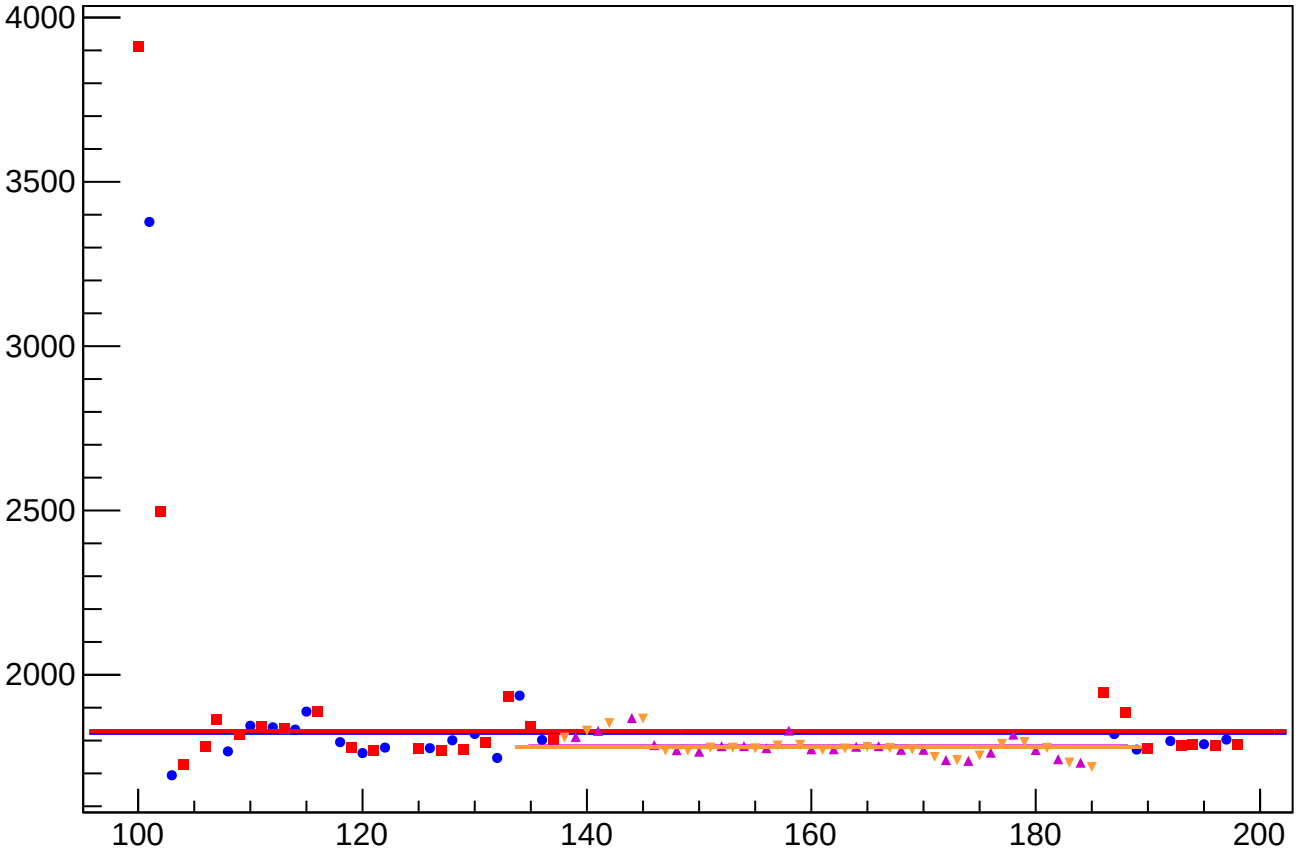
Right In: -1057.555+/-563.017 χ²/NDF: 12.8/20
Left Out: -886.352+/-413.227 χ²/NDF:28.1/23
Right Out: -195.371+/-524.640 χ²/NDF: 13.7/24
Left In: -453.236+/-416.200 χ²/NDF:25.8/22
Left: -671.347+/-293.241 χ²/NDF: 54.5/46
Right: -596.079+/-383.827 χ²/NDF: 27.7/45
In: -666.780+/-334.682 χ²/NDF:39.3/43
Out: -621.804+/-324.624 χ²/NDF:42.9/48
All: -643.606+/-233.019 χ²/NDF: 82.2/92



Right In: 1823.347+/-0.398 χ^2/NDF: 295019.1/20

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1828.951+/-0.371 χ^2/NDF: 137681.9/24

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

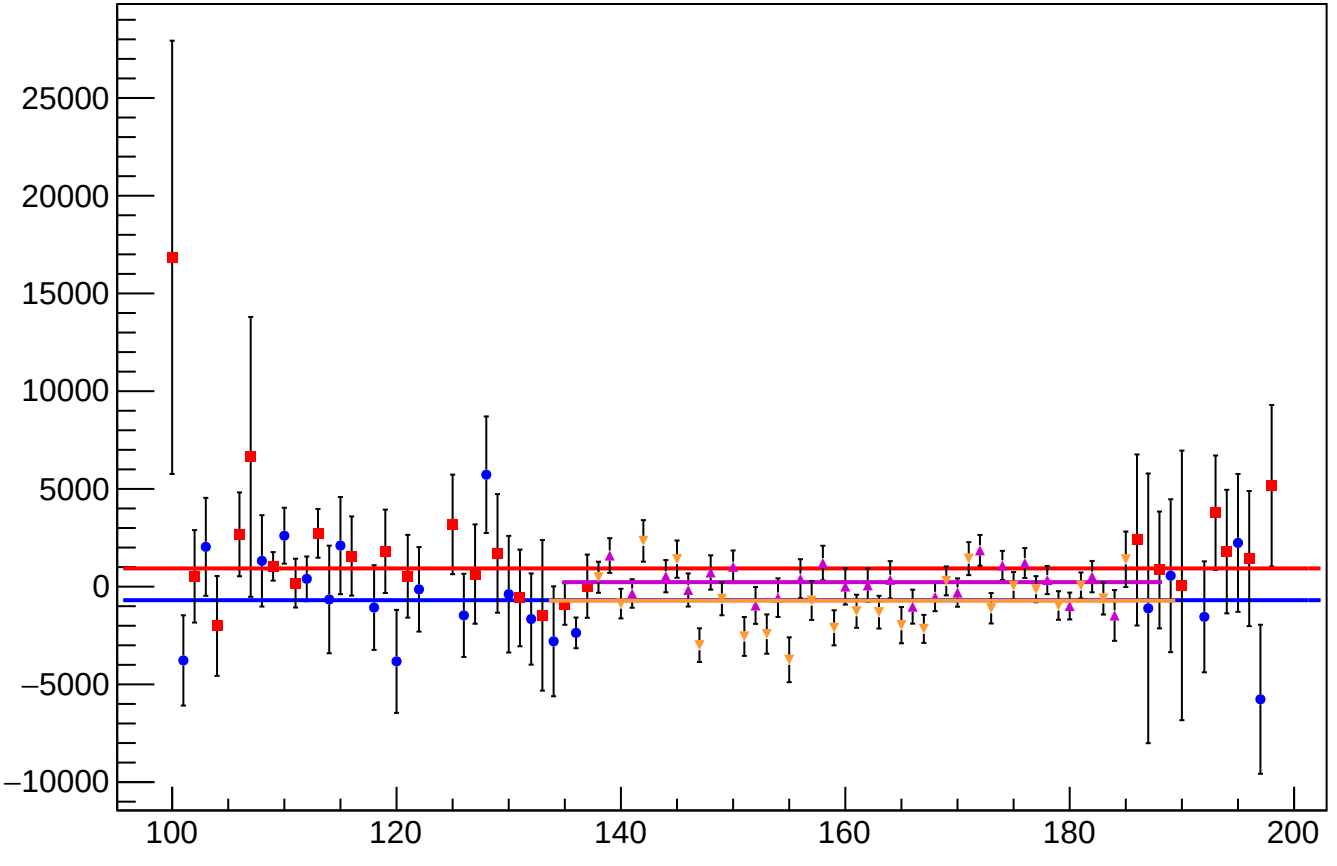
Right: 1826.346+/-0.271 χ^2/NDF: 432807.1/45

In: 1796.803+/-0.237 χ^2/NDF:313125.7/43

Out: 1798.877+/-0.230 χ^2/NDF:158710.9/48

All: 1797.872+/-0.165 χ^2/NDF: 471876.2/92

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -692.441+/-430.769 χ^2/NDF: 25.4/20

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

Right Out: 931.905+/-381.154 χ^2/NDF: 14.6/24

Left In: 231.318+/-173.435 χ^2/NDF:24.1/22

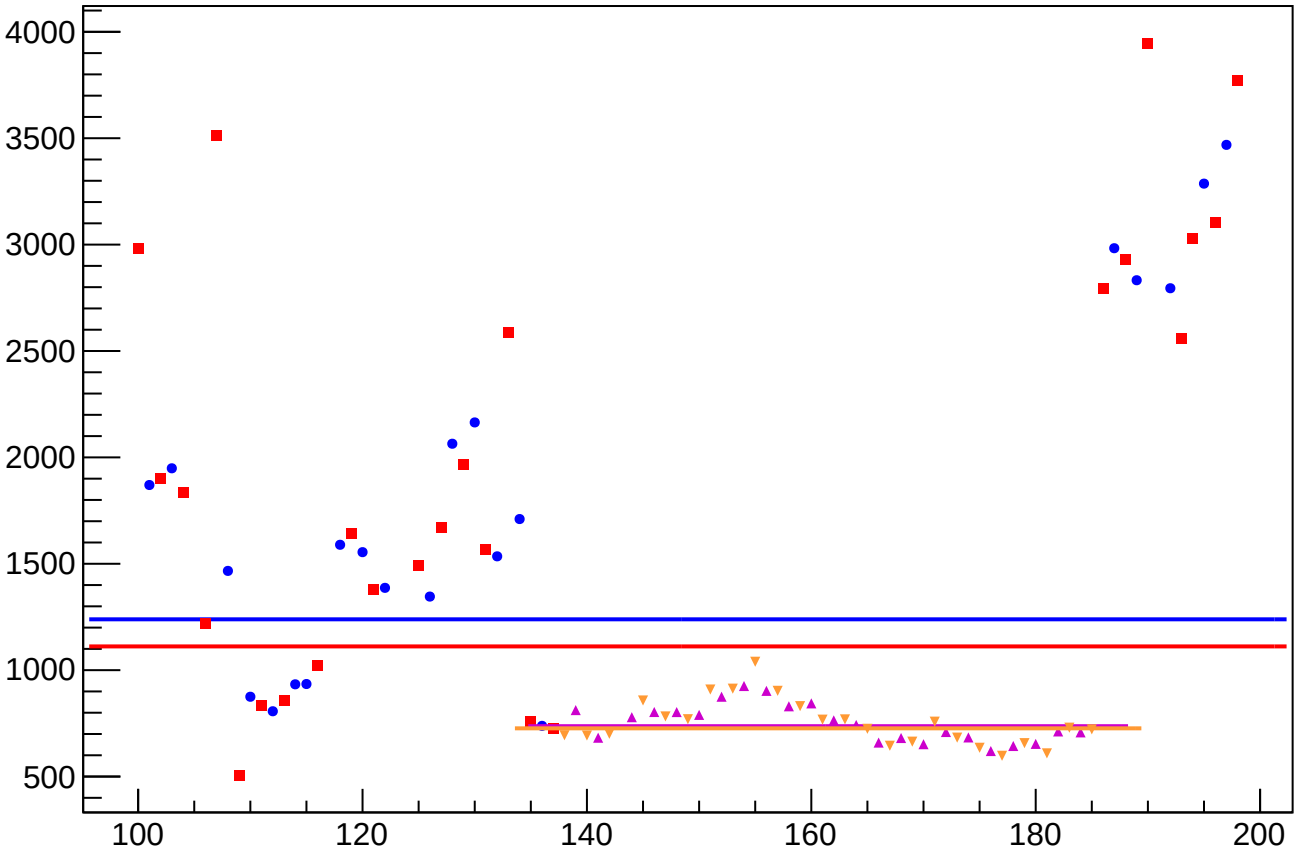
Left: -250.447+/-121.623 χ^2/NDF: 98.6/46

Right: 218.623+/-285.454 χ^2/NDF: 48.0/45

In: 102.463+/-160.885 χ^2/NDF:53.5/43

Out: -441.460+/-155.716 χ^2/NDF:89.5/48

All: -178.377+/-111.891 χ^2/NDF: 148.9/92



Right In: 1238.975+/-0.305 χ^2/NDF: 4561109.4/20

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1111.613+/-0.270 χ^2/NDF: 7480377.5/24

Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

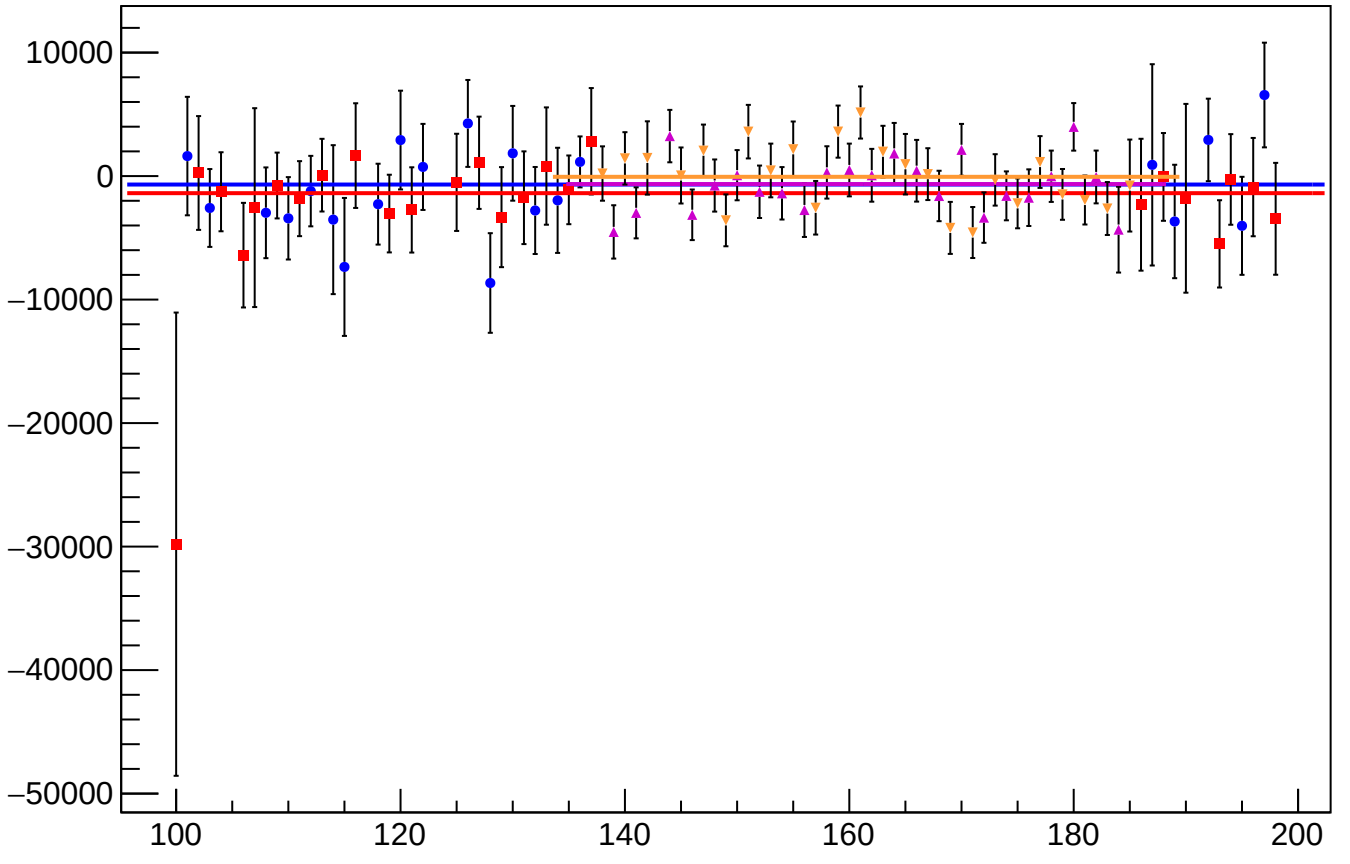
Left: 731.574+/-0.086 χ^2/NDF: 1153283.6/46

Right: 1167.540+/-0.202 χ^2/NDF: 12139546.8/45

In: 806.770+/-0.114 χ^2/NDF:7365890.5/43

Out: 790.864+/-0.110 χ^2/NDF:9865218.2/48

All: 798.557+/-0.079 χ^2/NDF: 17241202.5/92



Right In: -684.462+/-795.349 χ^2/NDF: 17.4/20

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: -1383.157+/-763.045 χ^2/NDF: 8.9/24

Left In: -646.910+/-448.538 χ^2/NDF:23.7/22

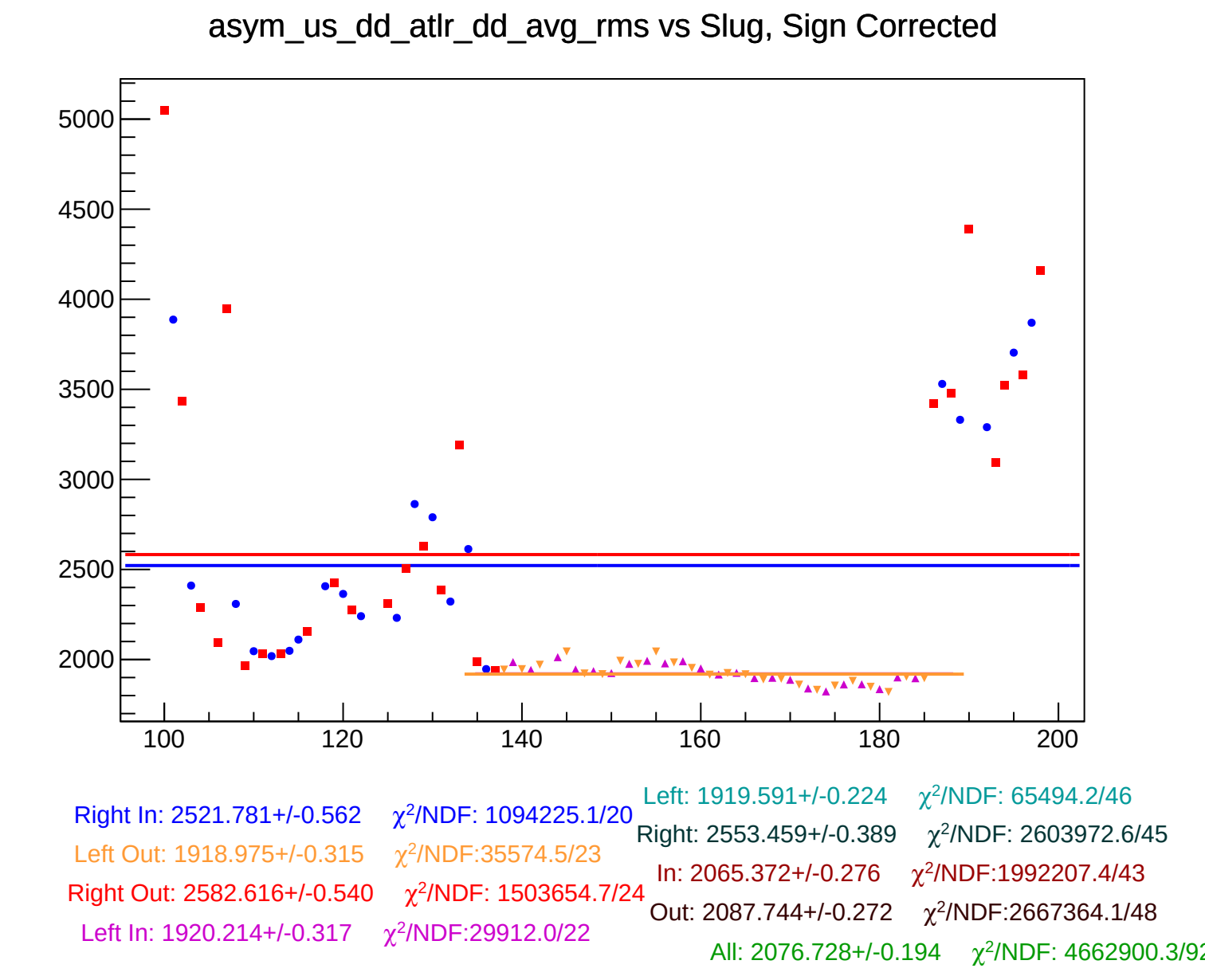
Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

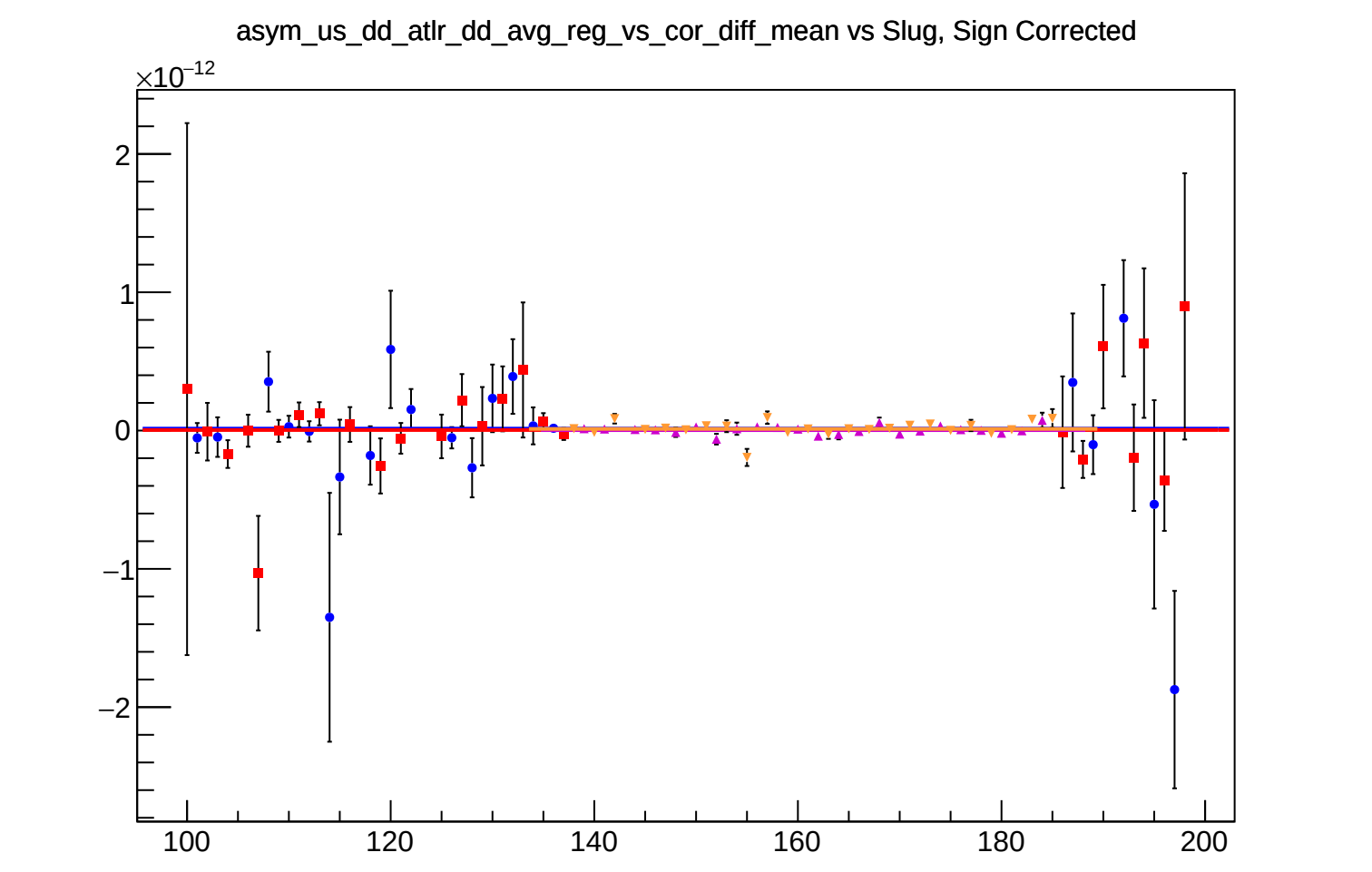
Right: -1048.287+/-550.621 χ^2/NDF: 26.6/45

In: -655.971+/-390.692 χ^2/NDF:41.0/43

Out: -396.178+/-384.793 χ^2/NDF:44.1/48

All: -524.098+/-274.152 χ^2/NDF: 85.3/92


asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected
5000
4500
4000
3500
3000
2500
2000
100
120
140
160
180
200
Right In: 2521.781+/-0.562 χ²/NDF: 1094225.1/20
Left Out: 1918.975+/-0.315 χ²/NDF:35574.5/23
Right Out: 2582.616+/-0.540 χ²/NDF: 1503654.7/24
Left In: 1920.214+/-0.317 χ²/NDF:29912.0/22
Left: 1919.591+/-0.224 χ²/NDF: 65494.2/46
Right: 2553.459+/-0.389 χ²/NDF: 2603972.6/45
In: 2065.372+/-0.276 χ²/NDF:1992207.4/43
Out: 2087.744+/-0.272 χ²/NDF:2667364.1/48
All: 2076.728+/-0.194 χ²/NDF: 4662900.3/92



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.4/24

Left In: 0.000+/-0.000 χ^2/NDF:19.6/22

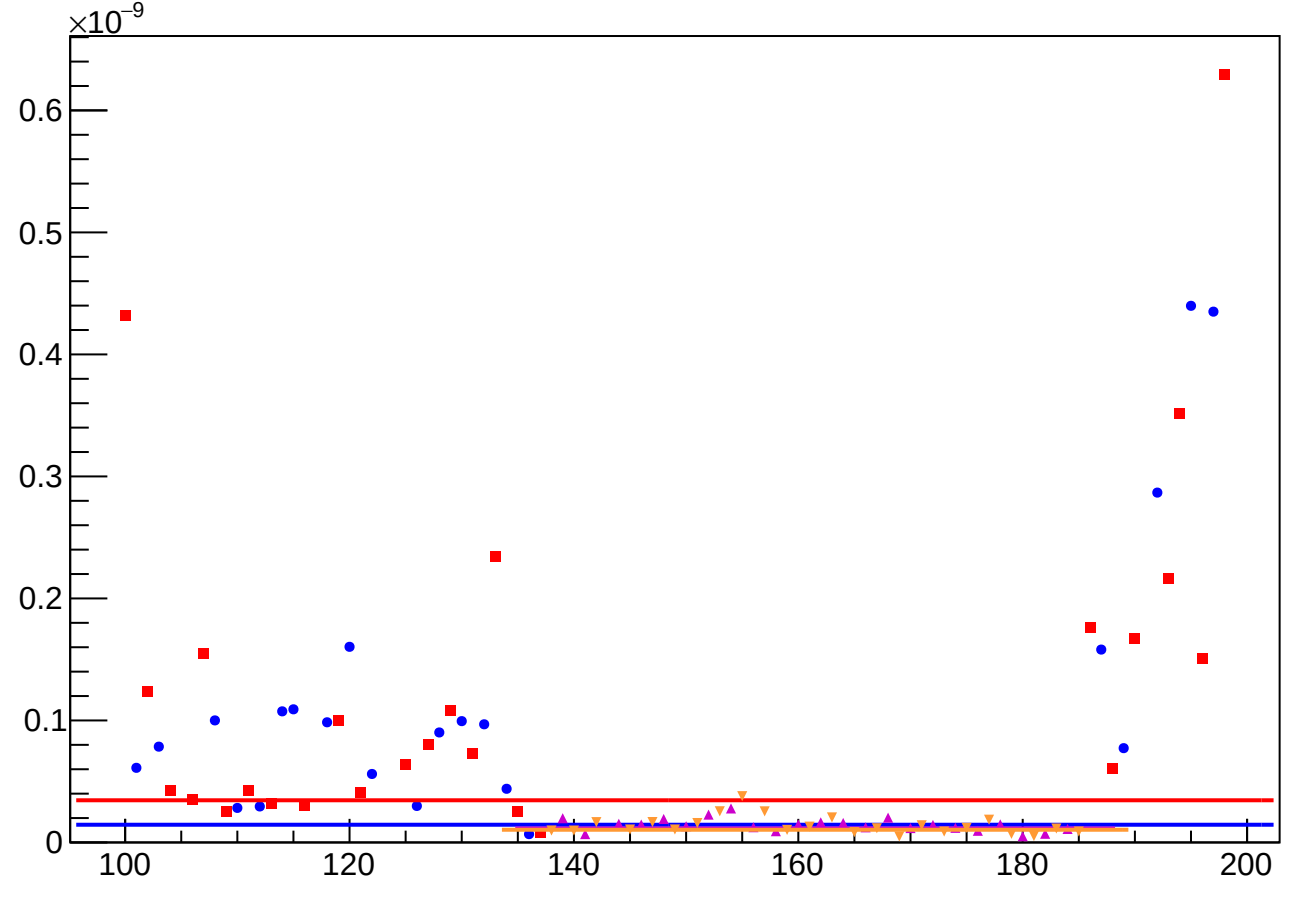
Left: 0.000+/-0.000 χ^2/NDF: 59.3/46

Right: 0.000+/-0.000 χ^2/NDF: 54.4/45

In: 0.000+/-0.000 χ^2/NDF:47.0/43

Out: 0.000+/-0.000 χ^2/NDF:65.6/48

All: 0.000+/-0.000 χ^2/NDF: 113.8/92



Right In: 0.000+/-0.000 χ^2/NDF: 5936752.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5005005.5/24

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

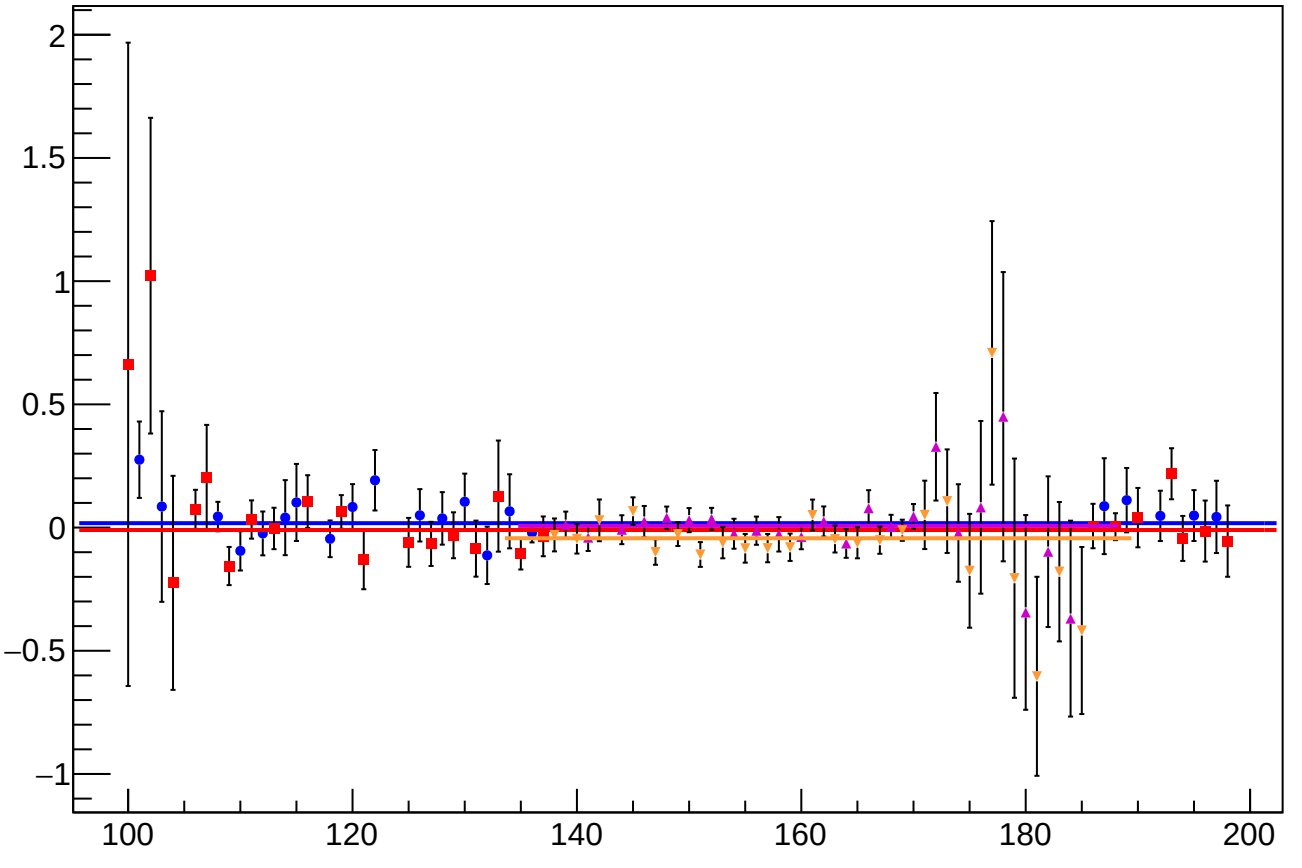
Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

Right: 0.000+/-0.000 χ^2/NDF: 12017710.5/45

In: 0.000+/-0.000 χ^2/NDF:7916547.0/43

Out: 0.000+/-0.000 χ^2/NDF:9108372.8/48

All: 0.000+/-0.000 χ^2/NDF: 17034617.3/92



Right In: 0.018+/-0.020 χ^2/NDF: 12.7/20

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.010+/-0.019 χ^2/NDF: 21.6/24

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

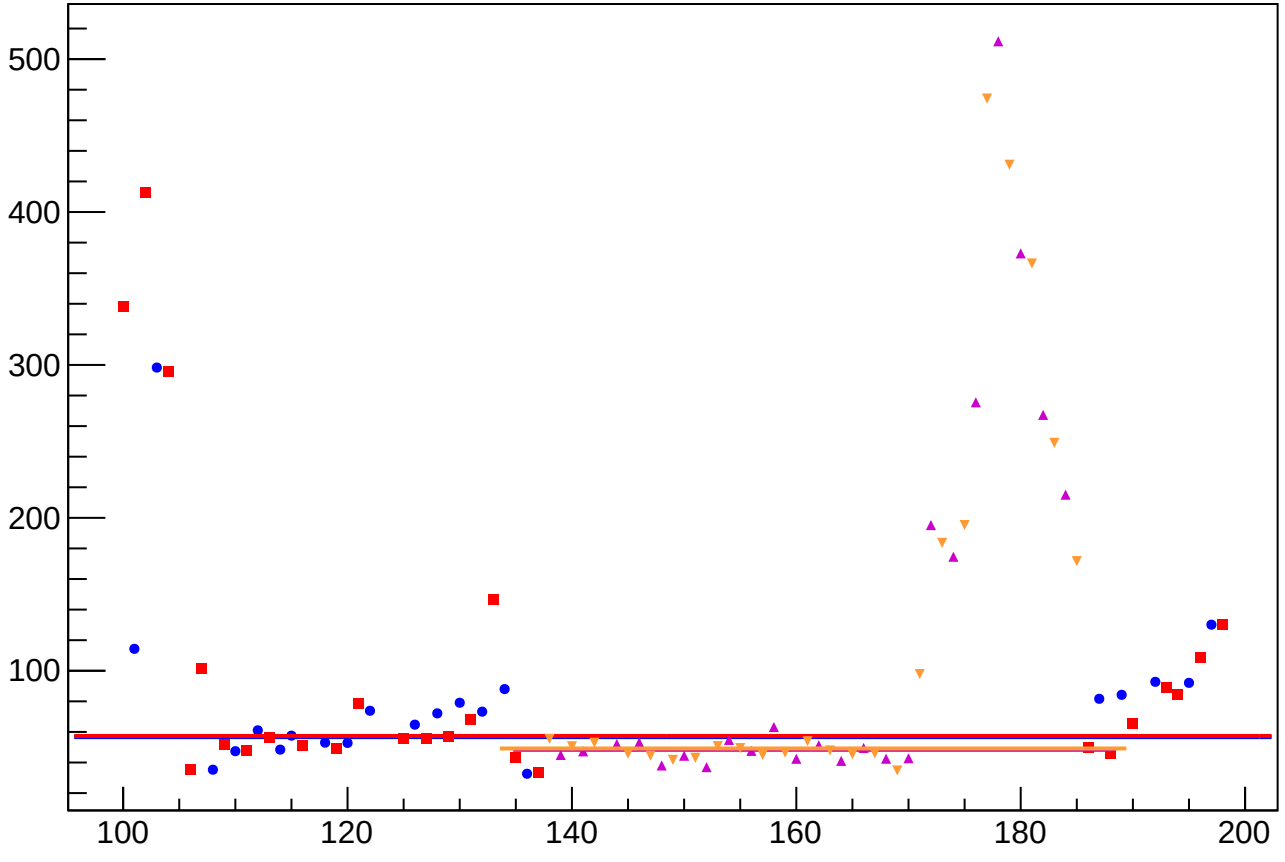
Right: 0.003+/-0.014 χ^2/NDF: 35.3/45

In: 0.010+/-0.011 χ^2/NDF:24.2/43

Out: -0.032+/-0.011 χ^2/NDF:42.5/48

All: -0.011+/-0.008 χ^2/NDF: 73.6/92

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.622+/-0.014 χ^2/NDF: 3527565.3/20

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 57.372+/-0.014 χ^2/NDF: 3620188.7/24

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

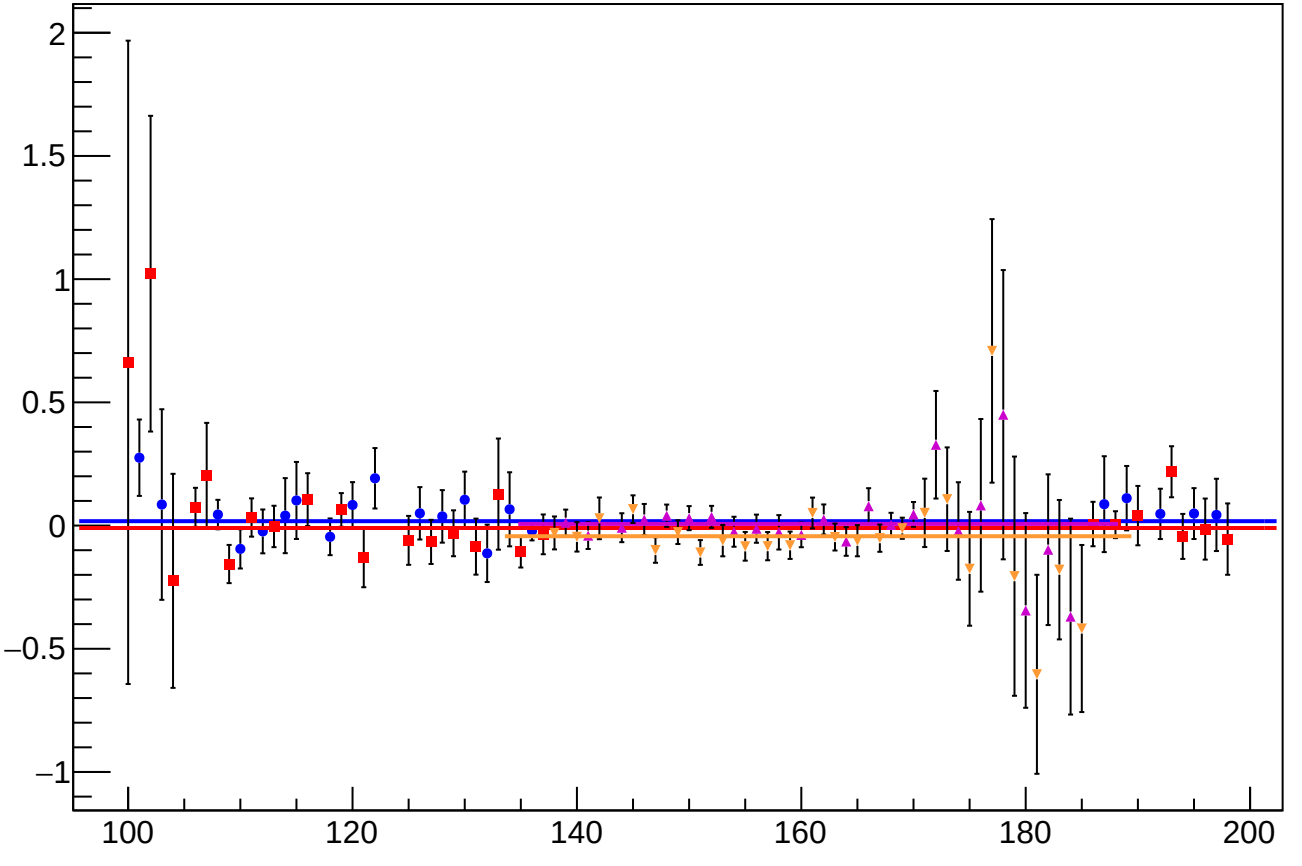
Right: 57.020+/-0.010 χ^2/NDF: 7149192.6/45

In: 50.851+/-0.008 χ^2/NDF:10799651.9/43

Out: 52.007+/-0.008 χ^2/NDF:11109796.8/48

All: 51.430+/-0.006 χ^2/NDF: 21919981.1/92

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.020 χ^2/NDF: 12.7/20

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.010+/-0.019 χ^2/NDF: 21.6/24

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

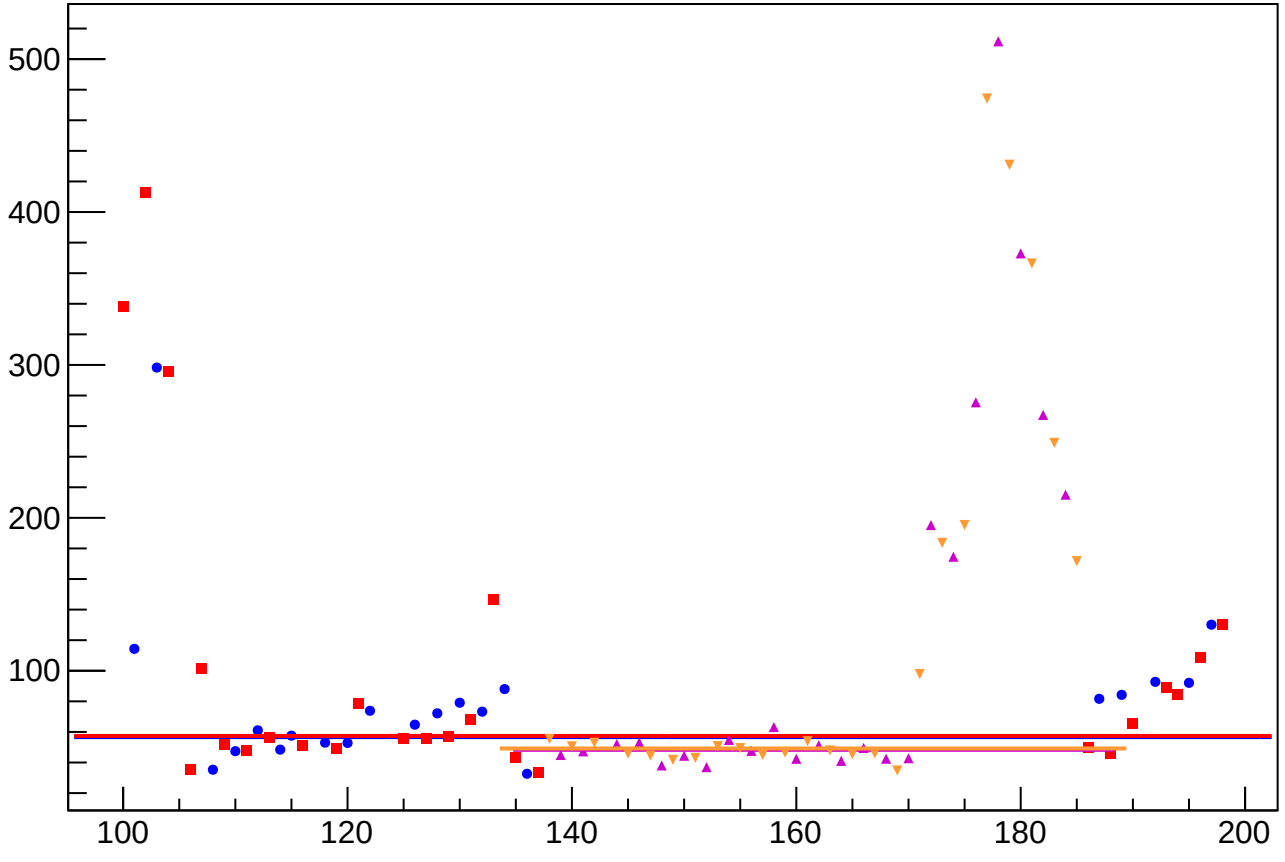
Right: 0.003+/-0.014 χ^2/NDF: 35.3/45

In: 0.010+/-0.011 χ^2/NDF:24.2/43

Out: -0.032+/-0.011 χ^2/NDF:42.5/48

All: -0.011+/-0.008 χ^2/NDF: 73.6/92

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.622+/-0.014 χ^2/NDF: 3527565.3/20

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 57.372+/-0.014 χ^2/NDF: 3620188.7/24

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

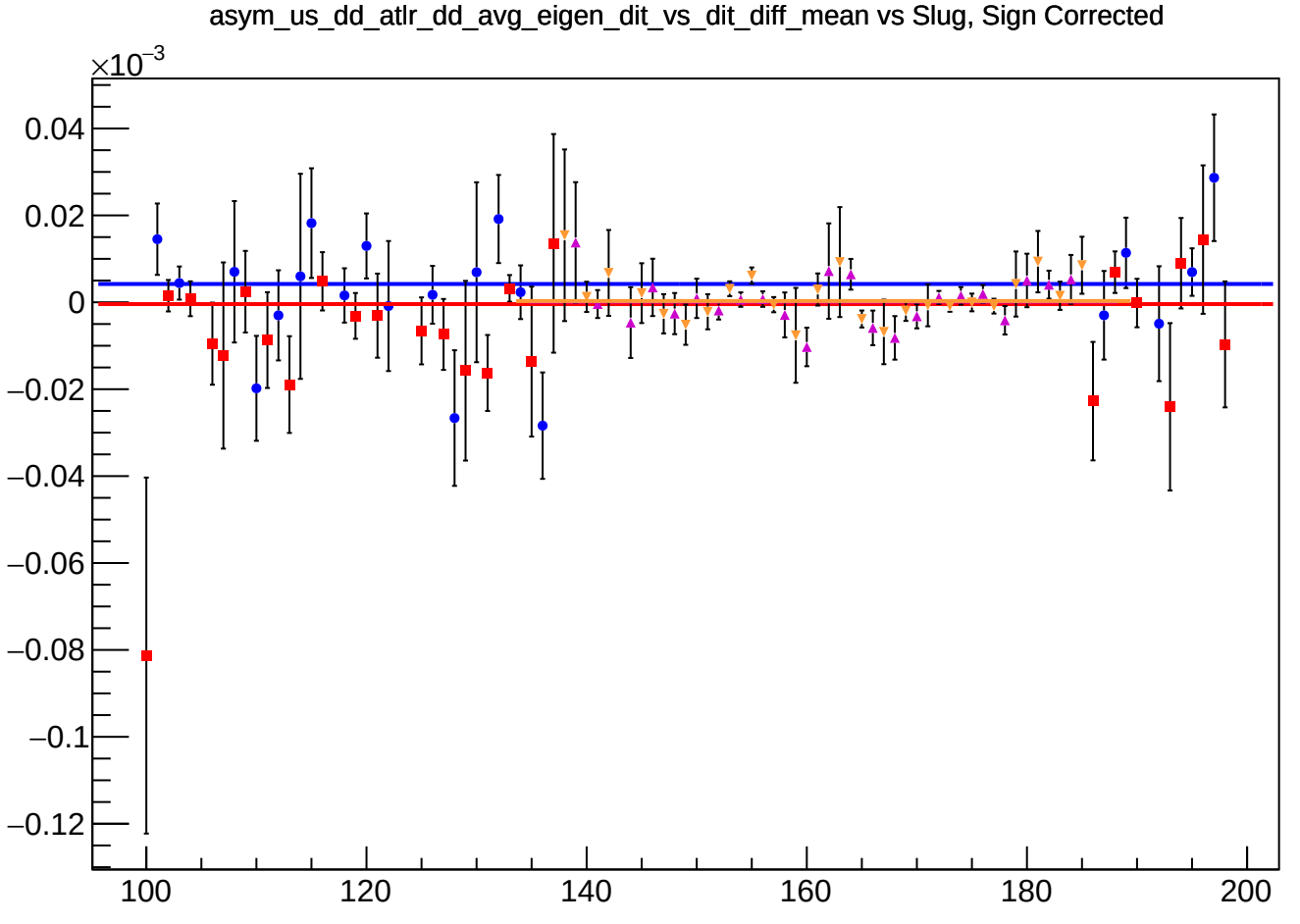
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 57.020+/-0.010 χ^2/NDF: 7149192.6/45

In: 50.851+/-0.008 χ^2/NDF:10799651.9/43

Out: 52.007+/-0.008 χ^2/NDF:11109796.8/48

All: 51.430+/-0.006 χ^2/NDF: 21919981.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 27.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/24

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

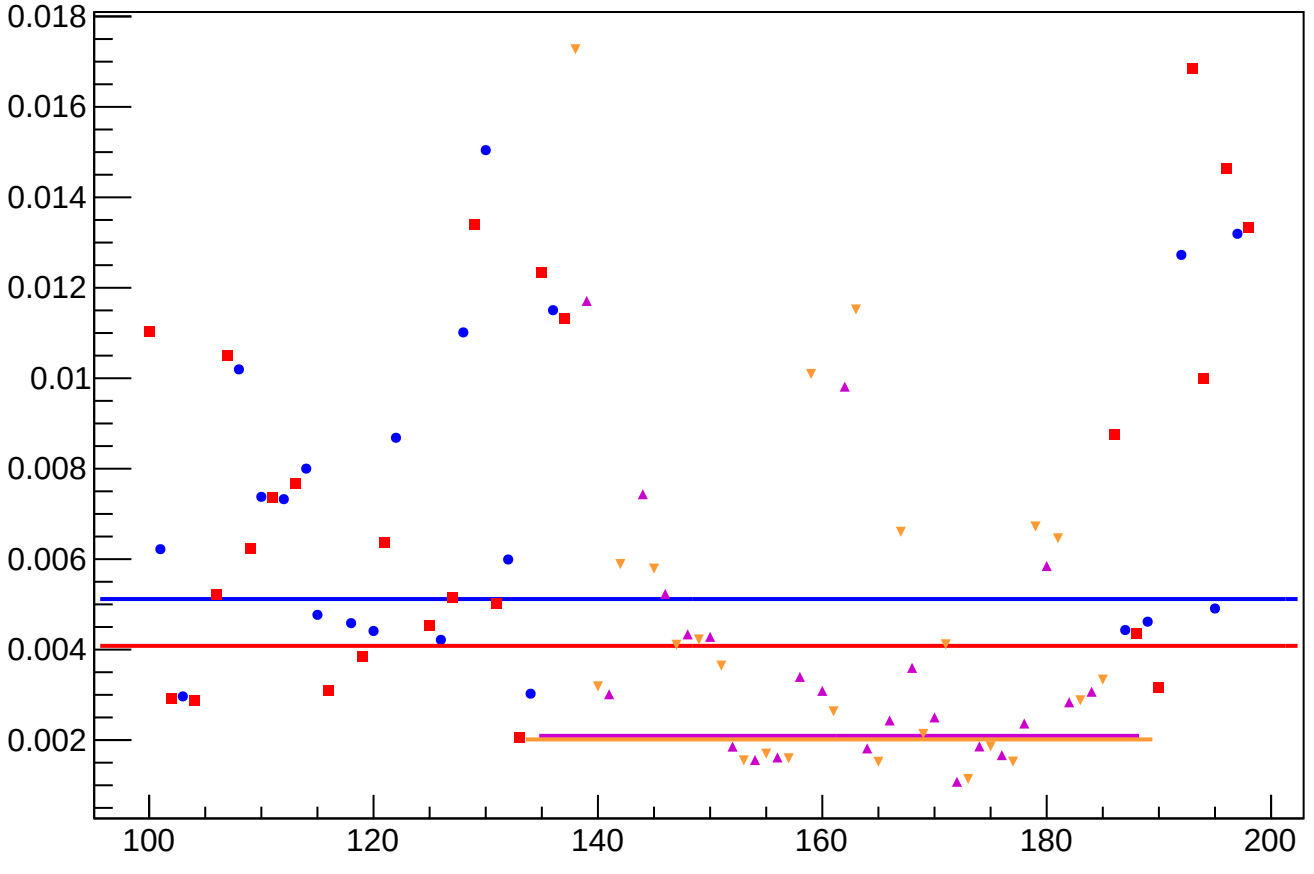
Right: 0.000+/-0.000 χ^2/NDF: 57.1/45

In: 0.000+/-0.000 χ^2/NDF:56.9/43

Out: 0.000+/-0.000 χ^2/NDF:54.9/48

All: 0.000+/-0.000 χ^2/NDF: 112.1/92

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 4073114.7/20

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 6655833.8/24

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

Left: 0.002+/-0.000 χ^2/NDF: 17422562.9/46

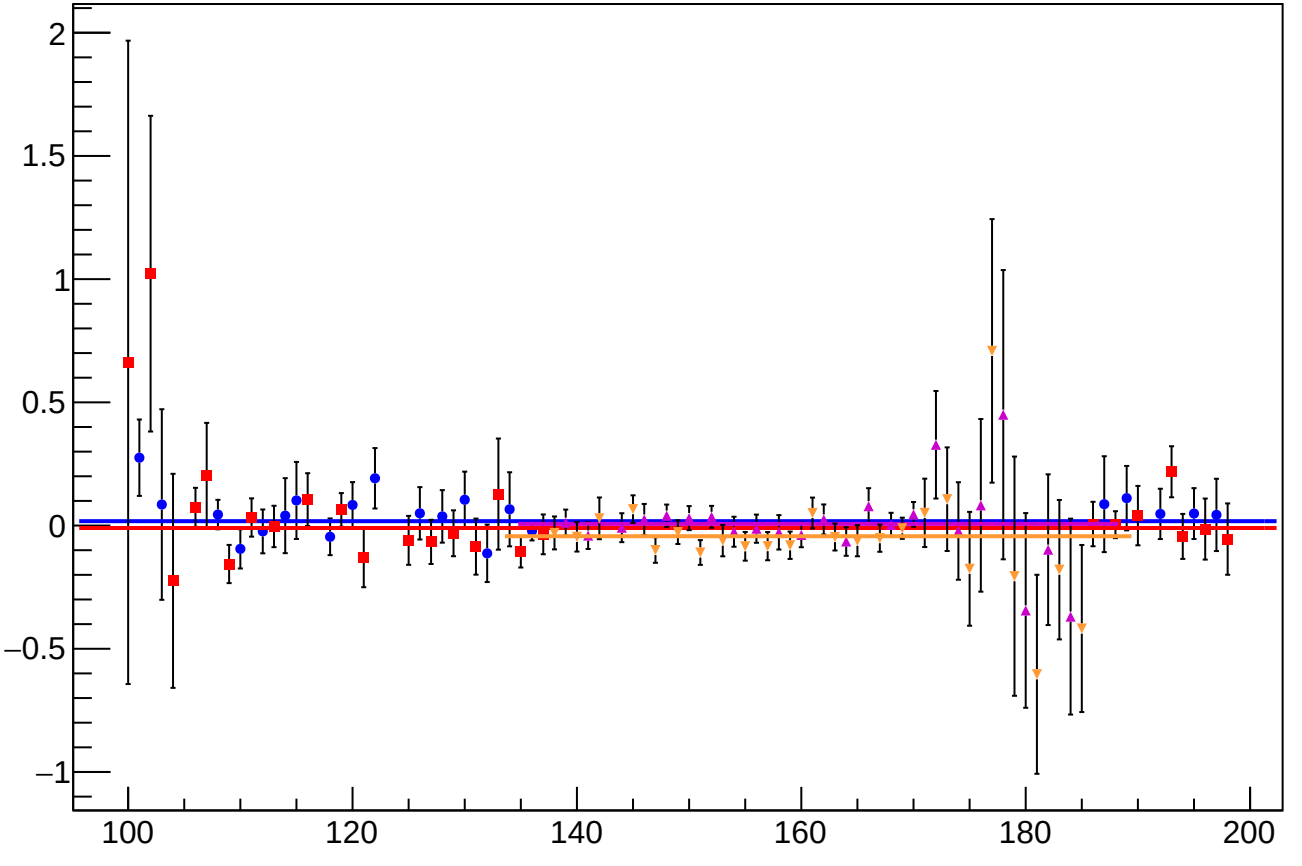
Right: 0.004+/-0.000 χ^2/NDF: 11132906.2/45

In: 0.002+/-0.000 χ^2/NDF:16155226.2/43

Out: 0.002+/-0.000 χ^2/NDF:20664415.8/48

All: 0.002+/-0.000 χ^2/NDF: 36846842.1/92

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.020 χ^2/NDF: 12.7/20

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.010+/-0.019 χ^2/NDF: 21.6/24

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

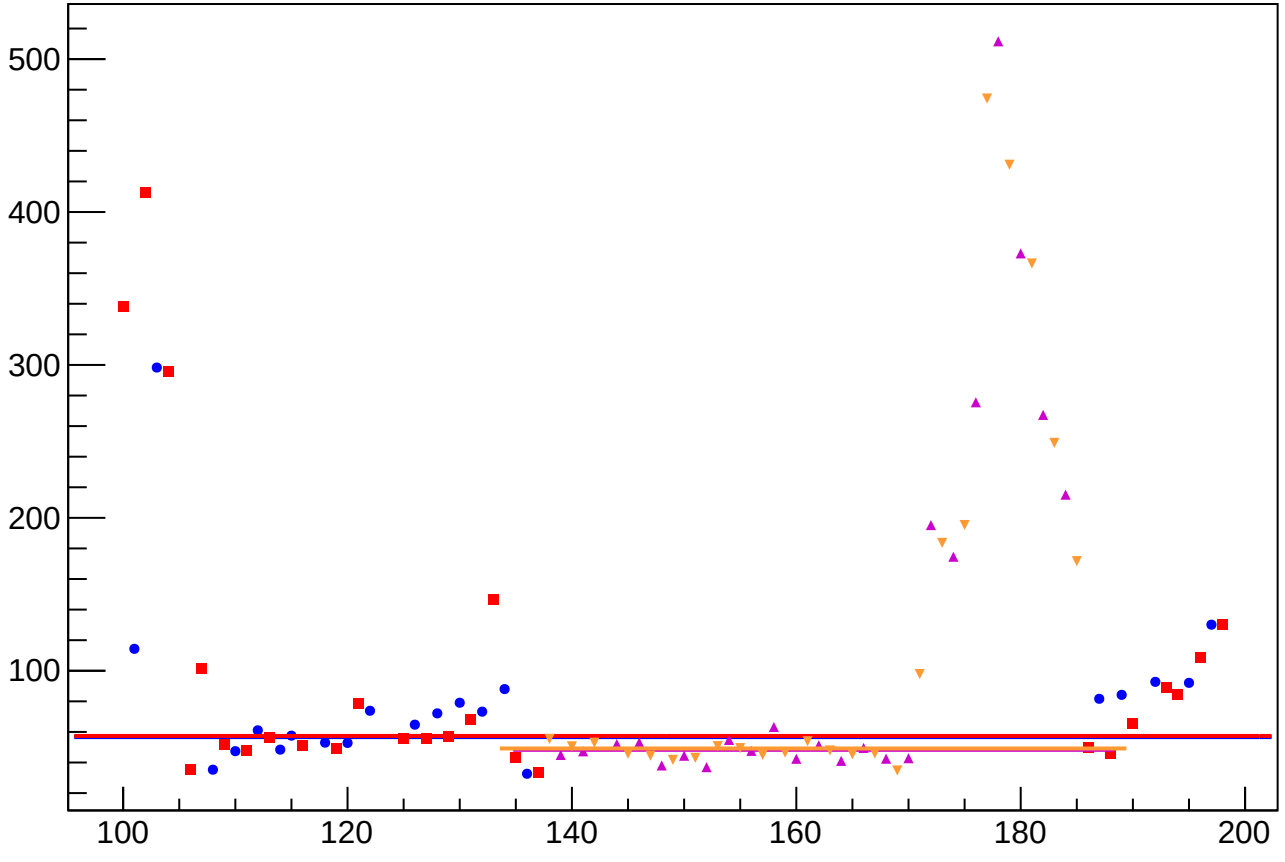
Right: 0.003+/-0.014 χ^2/NDF: 35.3/45

In: 0.010+/-0.011 χ^2/NDF:24.2/43

Out: -0.032+/-0.011 χ^2/NDF:42.5/48

All: -0.011+/-0.008 χ^2/NDF: 73.6/92

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.622+/-0.014 χ^2/NDF: 3527361.0/20

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 57.372+/-0.014 χ^2/NDF: 3620035.5/24

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

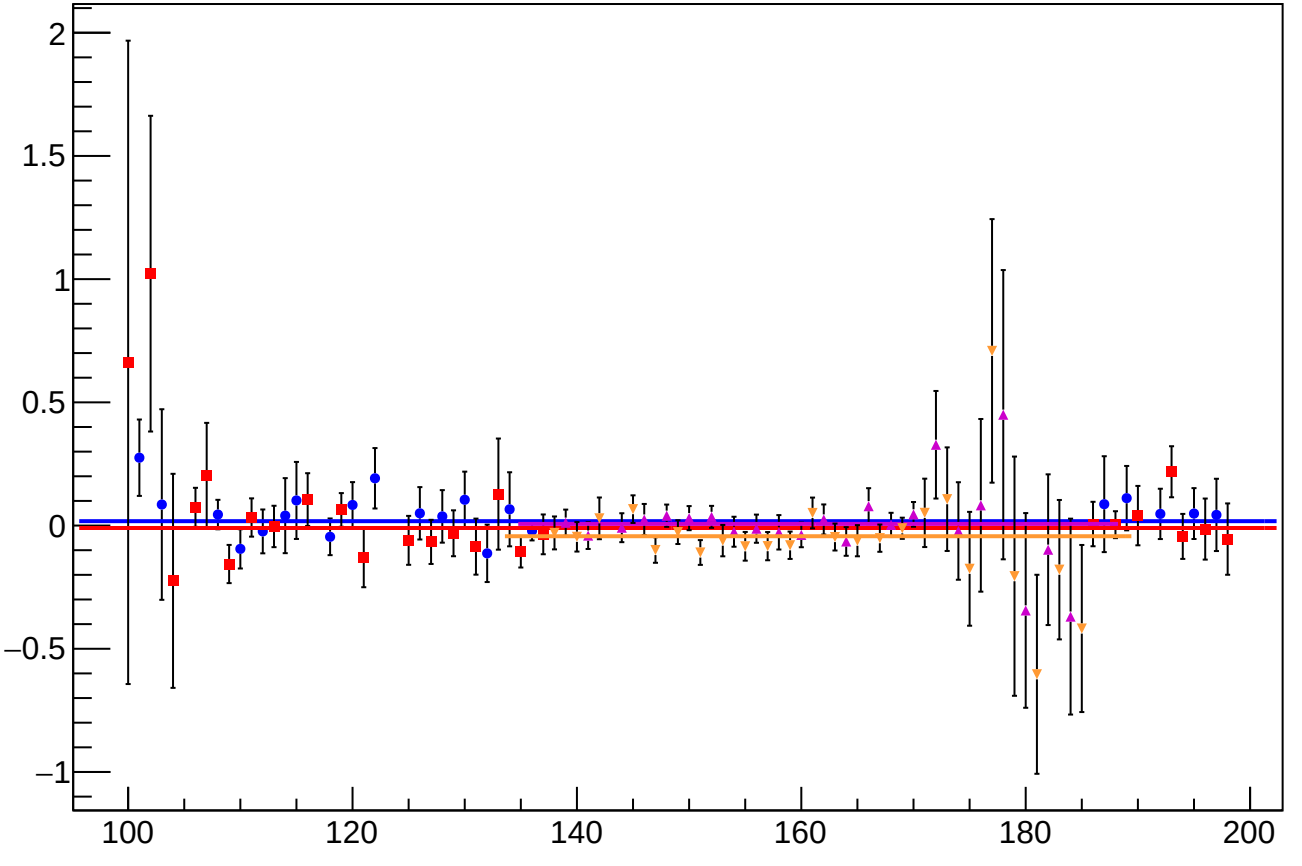
Right: 57.020+/-0.010 χ^2/NDF: 7148836.1/45

In: 50.852+/-0.008 χ^2/NDF:10799375.7/43

Out: 52.007+/-0.008 χ^2/NDF:11109711.7/48

All: 51.430+/-0.006 χ^2/NDF: 21919613.5/92

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.020 χ^2/NDF: 12.7/20

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.010+/-0.019 χ^2/NDF: 21.6/24

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

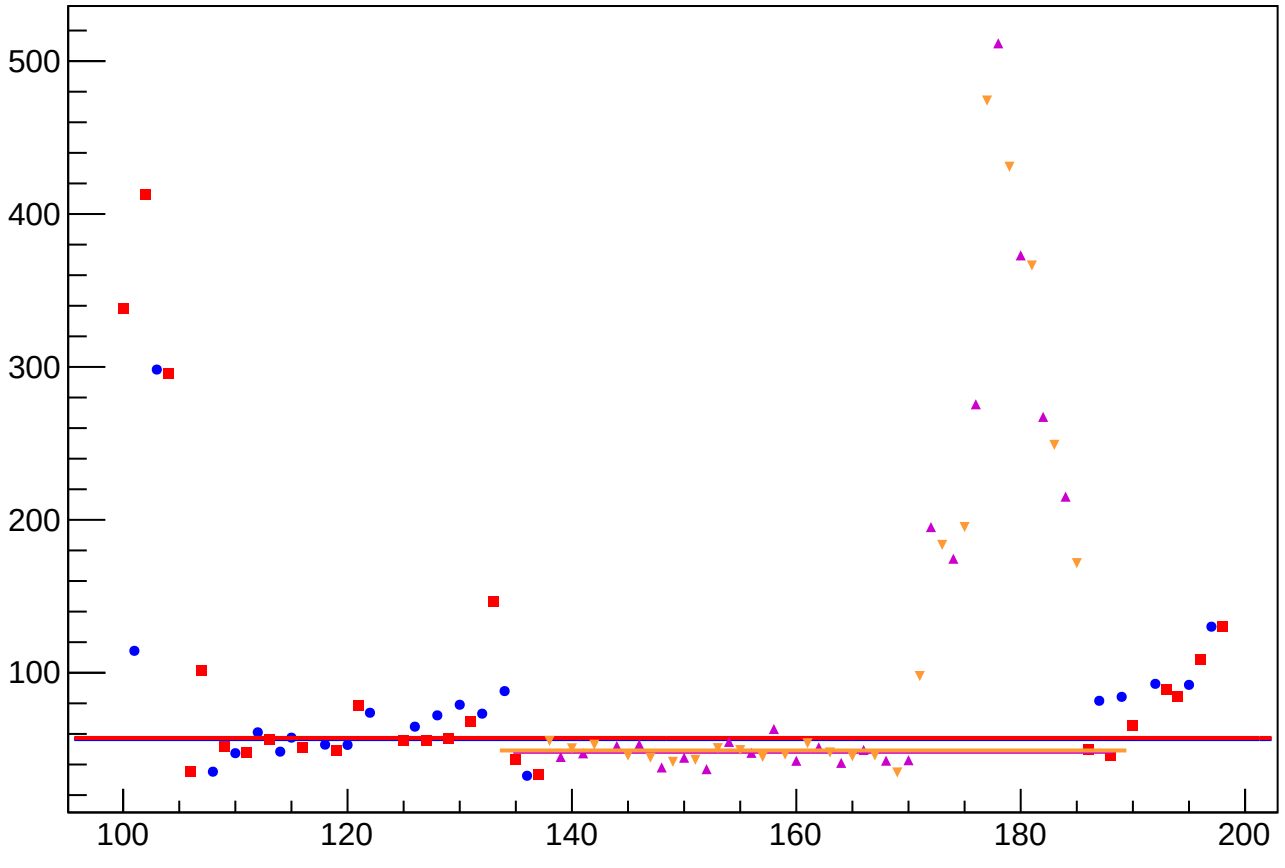
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: 0.003+/-0.014 χ^2/NDF: 35.3/45

In: 0.010+/-0.011 χ^2/NDF:24.2/43

Out: -0.032+/-0.011 χ^2/NDF:42.5/48

All: -0.011+/-0.008 χ^2/NDF: 73.6/92



Right In: 56.622+/-0.014 χ^2/NDF: 3527361.0/20

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 57.372+/-0.014 χ^2/NDF: 3620035.5/24

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

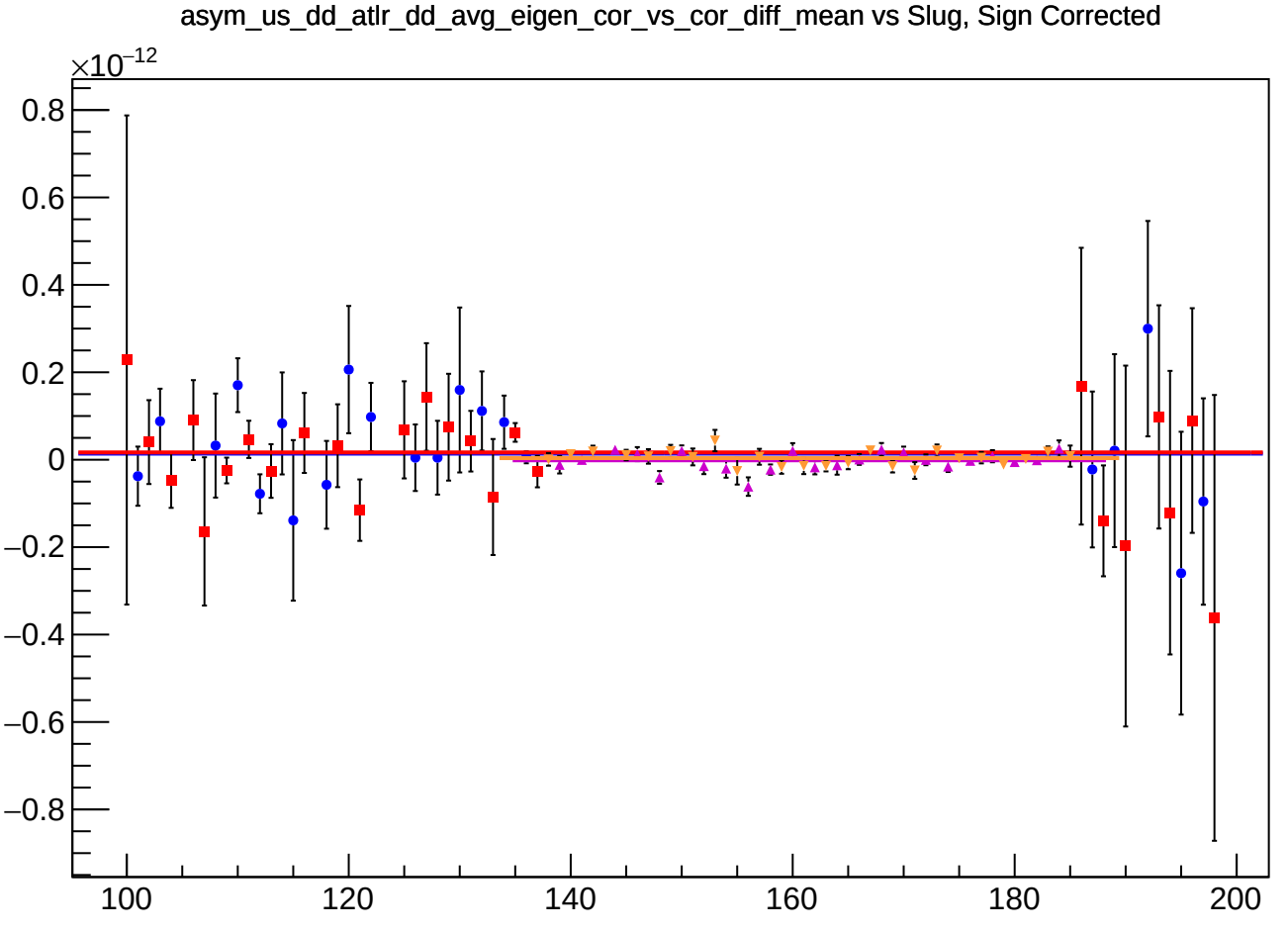
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

Right: 57.020+/-0.010 χ^2/NDF: 7148836.1/45

In: 50.852+/-0.008 χ^2/NDF:10799375.7/43

Out: 52.007+/-0.008 χ^2/NDF:11109711.7/48

All: 51.430+/-0.006 χ^2/NDF: 21919613.5/92



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/24

Left In: -0.000+/-0.000 χ^2/NDF:40.0/22

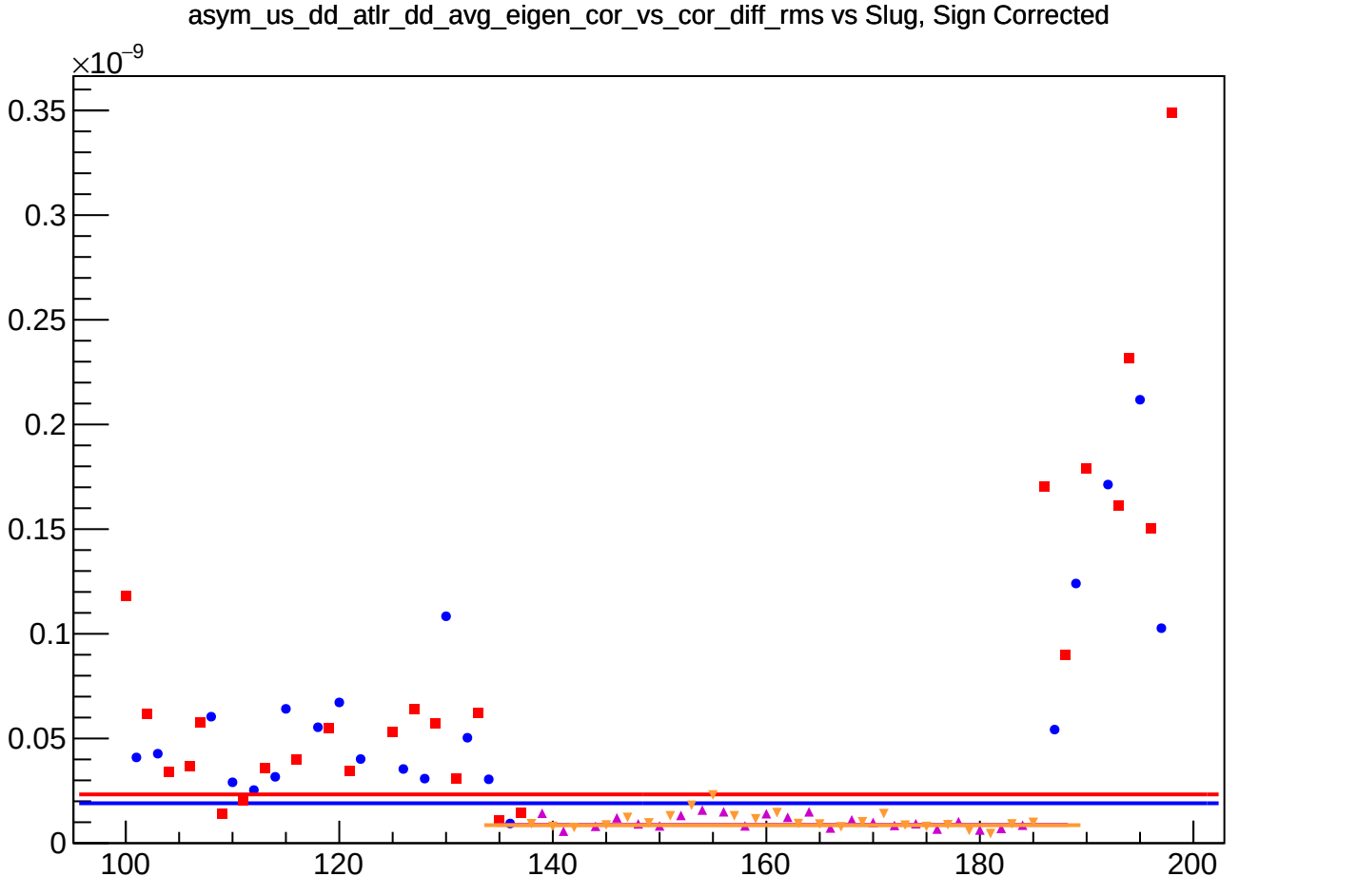
Left: 0.000+/-0.000 χ^2/NDF: 66.3/46

Right: 0.000+/-0.000 χ^2/NDF: 43.6/45

In: -0.000+/-0.000 χ^2/NDF:64.4/43

Out: 0.000+/-0.000 χ^2/NDF:46.6/48

All: 0.000+/-0.000 χ^2/NDF: 112.6/92



Right In: 0.000+/-0.000 χ^2/NDF: 5674792.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6666047.8/24

Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

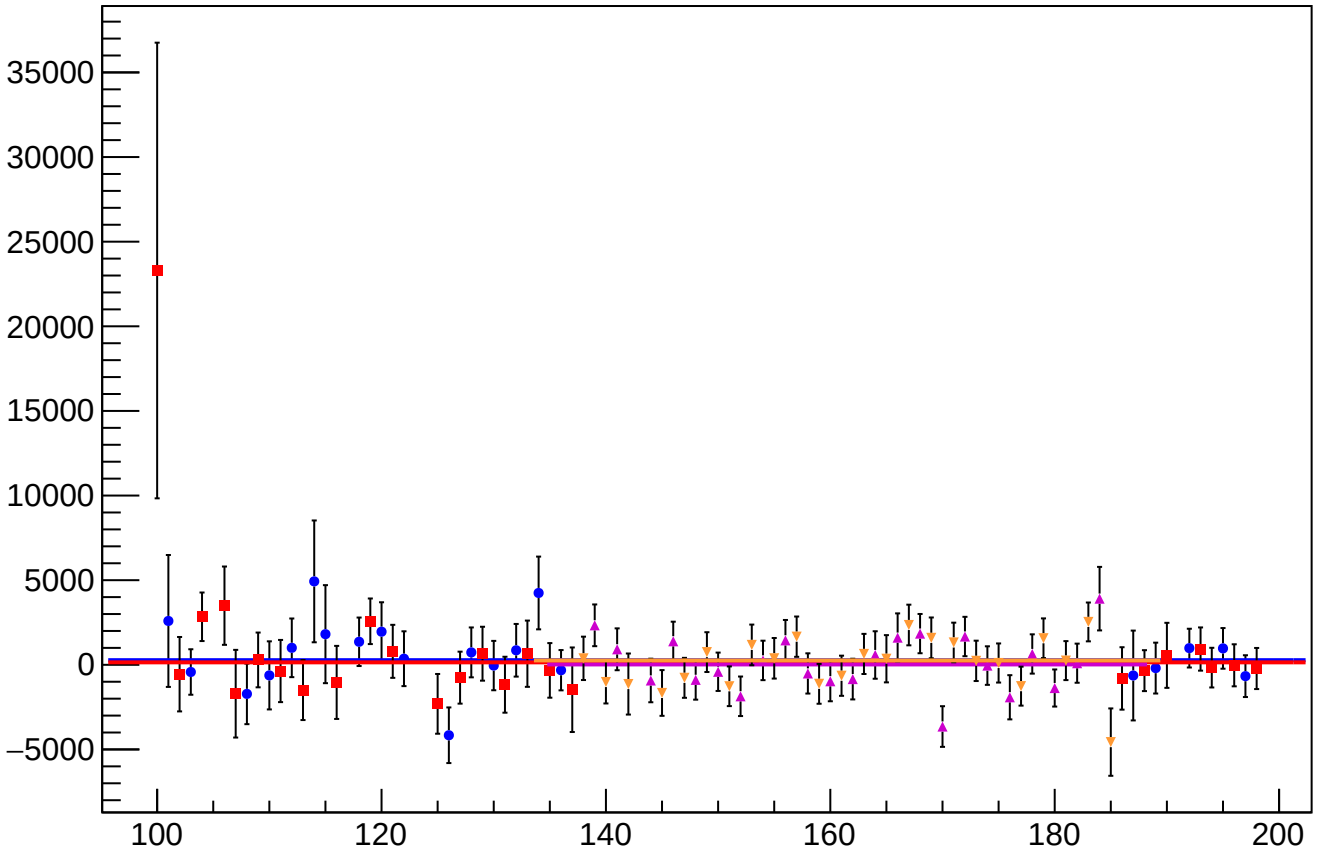
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 12468336.3/45

In: 0.000+/-0.000 χ^2/NDF:9212995.0/43

Out: 0.000+/-0.000 χ^2/NDF:11842055.2/48

All: 0.000+/-0.000 χ^2/NDF: 21055863.7/92



Right In: 273.796+/-348.306 χ^2/NDF: 18.5/20

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: 145.702+/-325.589 χ^2/NDF: 18.5/24

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

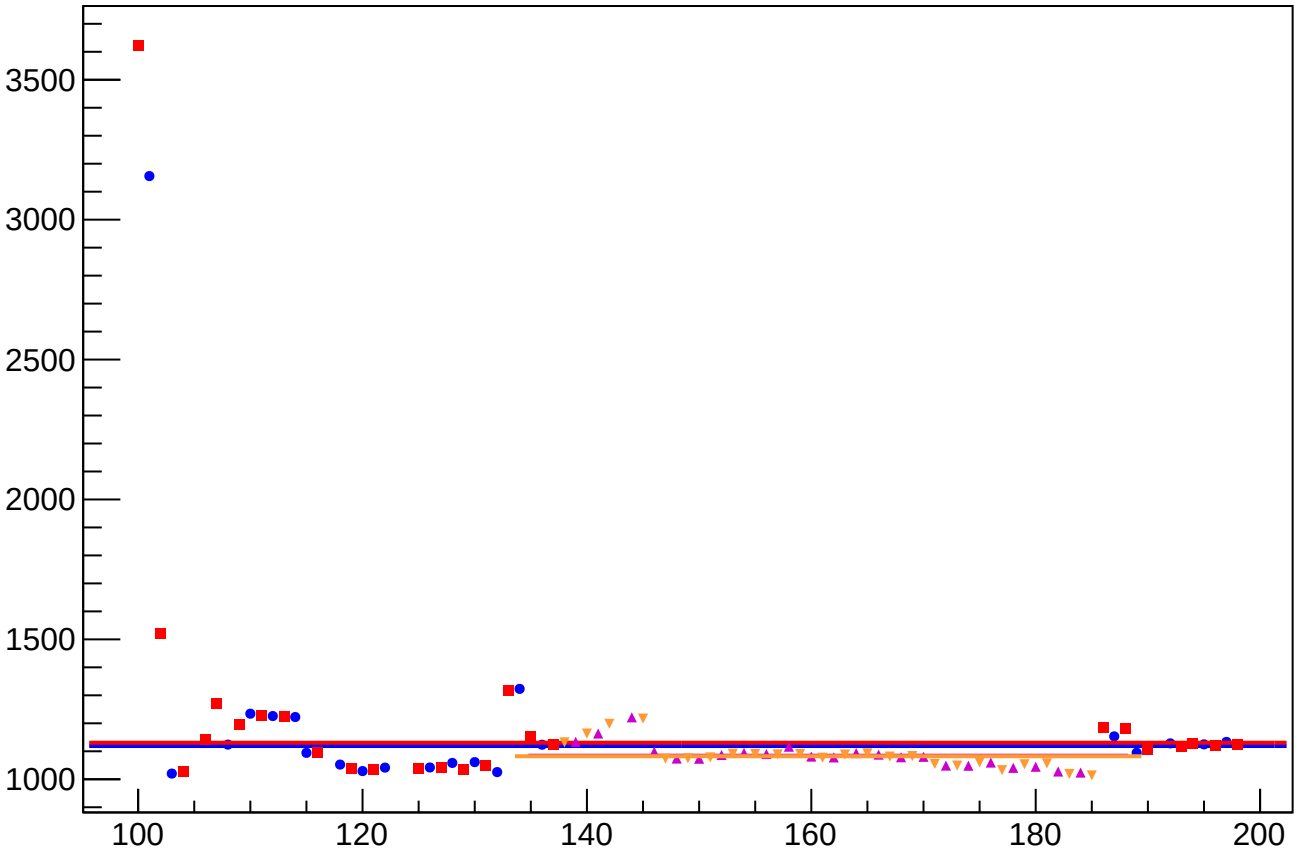
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 205.436+/-237.852 χ^2/NDF: 37.0/45

In: 109.357+/-204.873 χ^2/NDF:54.6/43

Out: 217.715+/-198.986 χ^2/NDF:46.8/48

All: 165.115+/-142.740 χ^2/NDF: 101.5/92



Right In: 1118.823+/-0.246 χ^2/NDF: 624793.8/20

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1130.615+/-0.230 χ^2/NDF: 228517.1/24

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

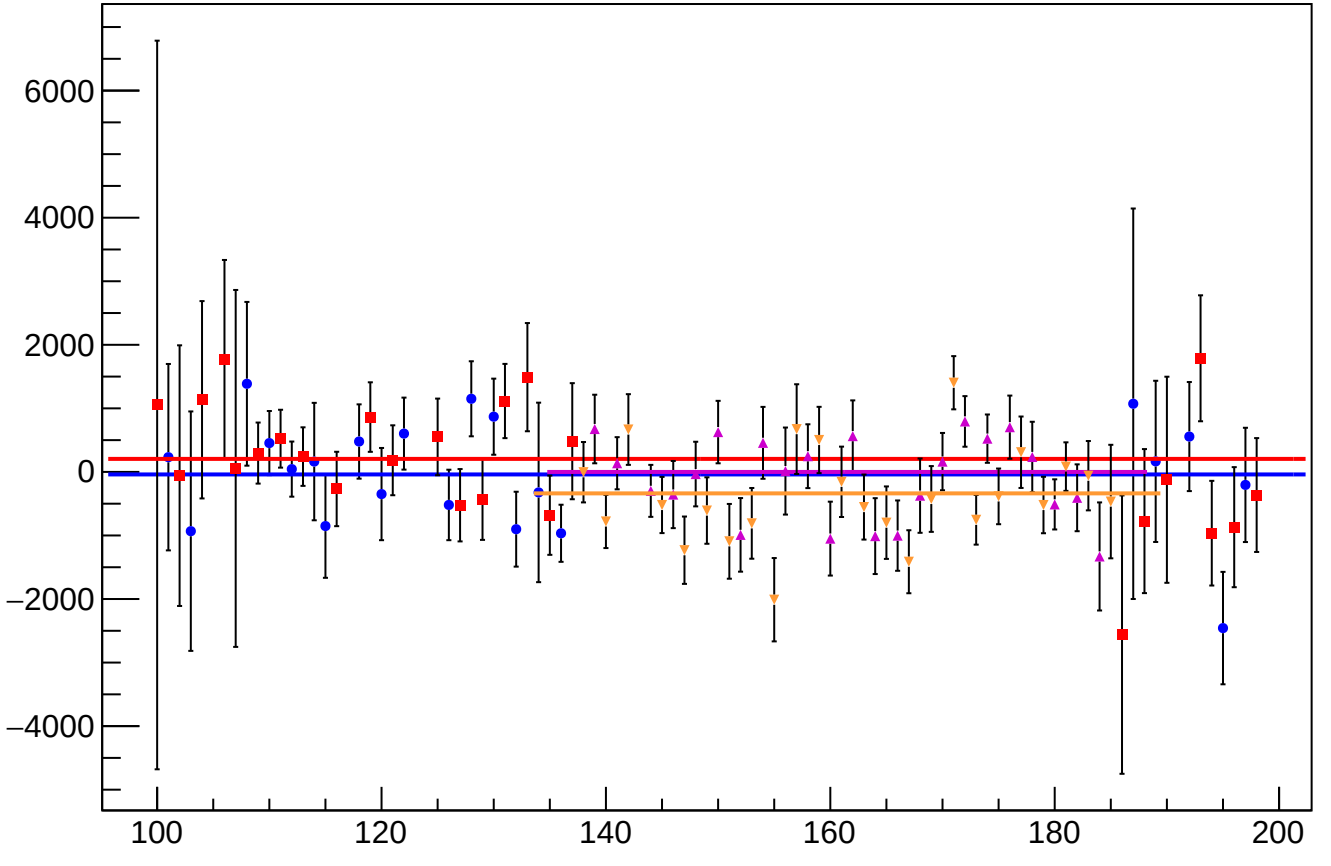
Right: 1125.116+/-0.168 χ^2/NDF: 854534.2/45

In: 1096.157+/-0.145 χ^2/NDF:691182.9/43

Out: 1100.351+/-0.141 χ^2/NDF:313972.5/48

All: 1098.315+/-0.101 χ^2/NDF: 1005586.8/92

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -39.748+/-152.381 χ^2/NDF: 27.5/20

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: 204.859+/-145.527 χ^2/NDF: 22.4/24

Left In: -0.547+/-104.733 χ^2/NDF:31.9/22

Left: -172.603+/-73.292 χ^2/NDF: 85.9/46

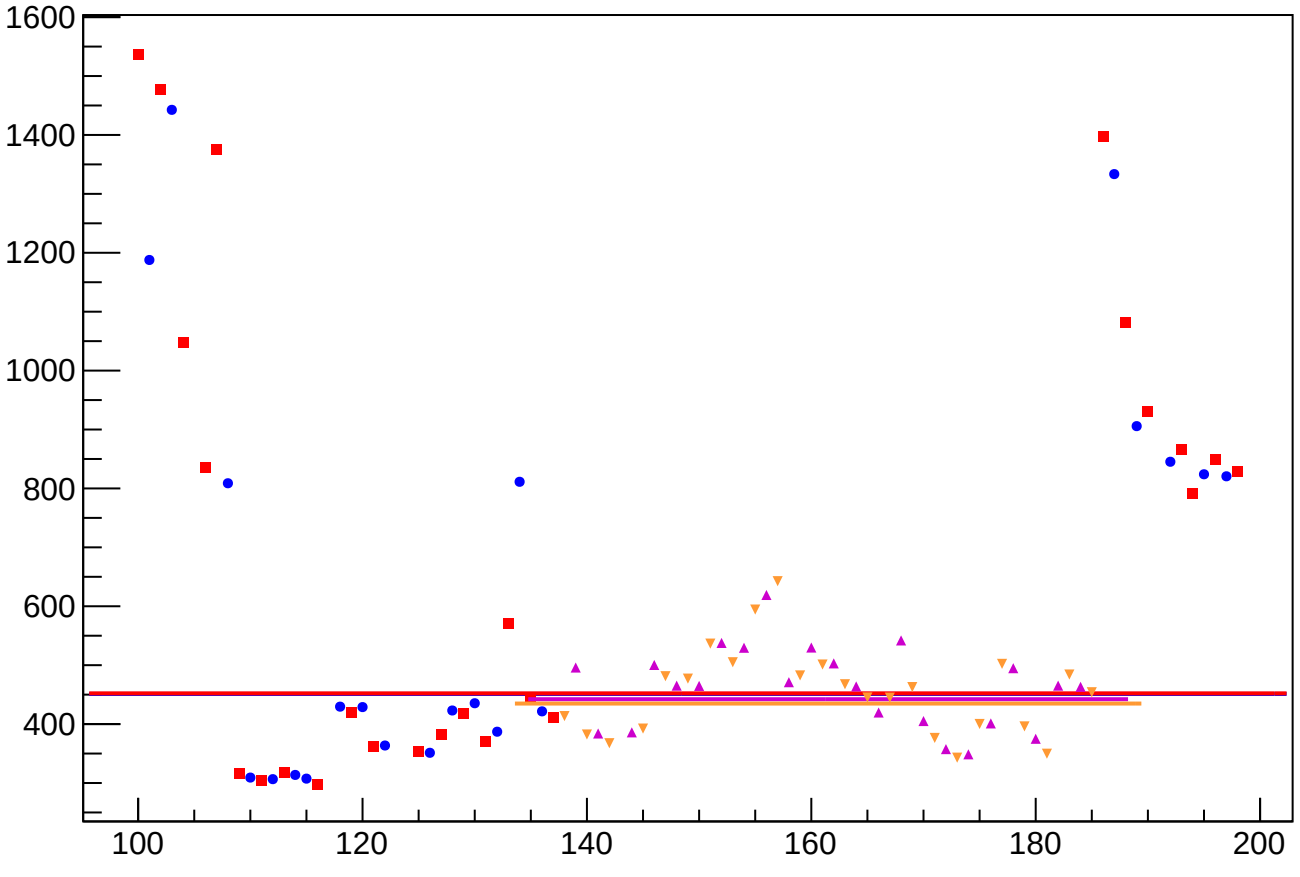
Right: 88.180+/-105.243 χ^2/NDF: 51.2/45

In: -13.124+/-86.312 χ^2/NDF:59.4/43

Out: -157.572+/-83.855 χ^2/NDF:80.5/48

All: -87.433+/-60.144 χ^2/NDF: 141.3/92

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 451.161+/-0.108 χ^2/NDF: 3522439.1/20

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 452.153+/-0.103 χ^2/NDF: 4676378.3/24

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

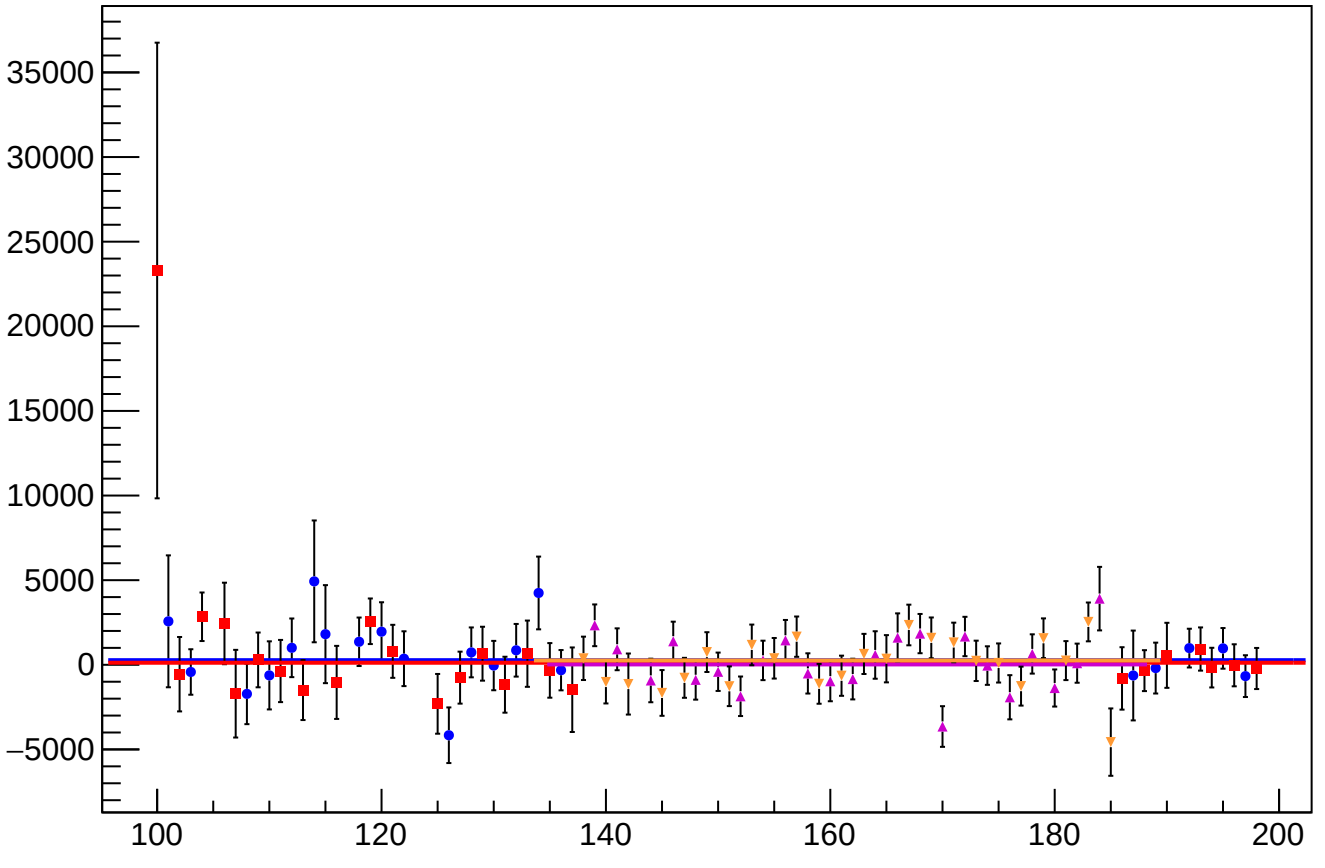
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 451.680+/-0.074 χ^2/NDF: 8198861.7/45

In: 445.081+/-0.061 χ^2/NDF:4353099.4/43

Out: 440.601+/-0.059 χ^2/NDF:5573663.4/48

All: 442.776+/-0.043 χ^2/NDF: 9929534.5/92



Right In: 273.604+/-348.306 χ^2/NDF: 18.5/20

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 121.319+/-325.838 χ^2/NDF: 17.3/24

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

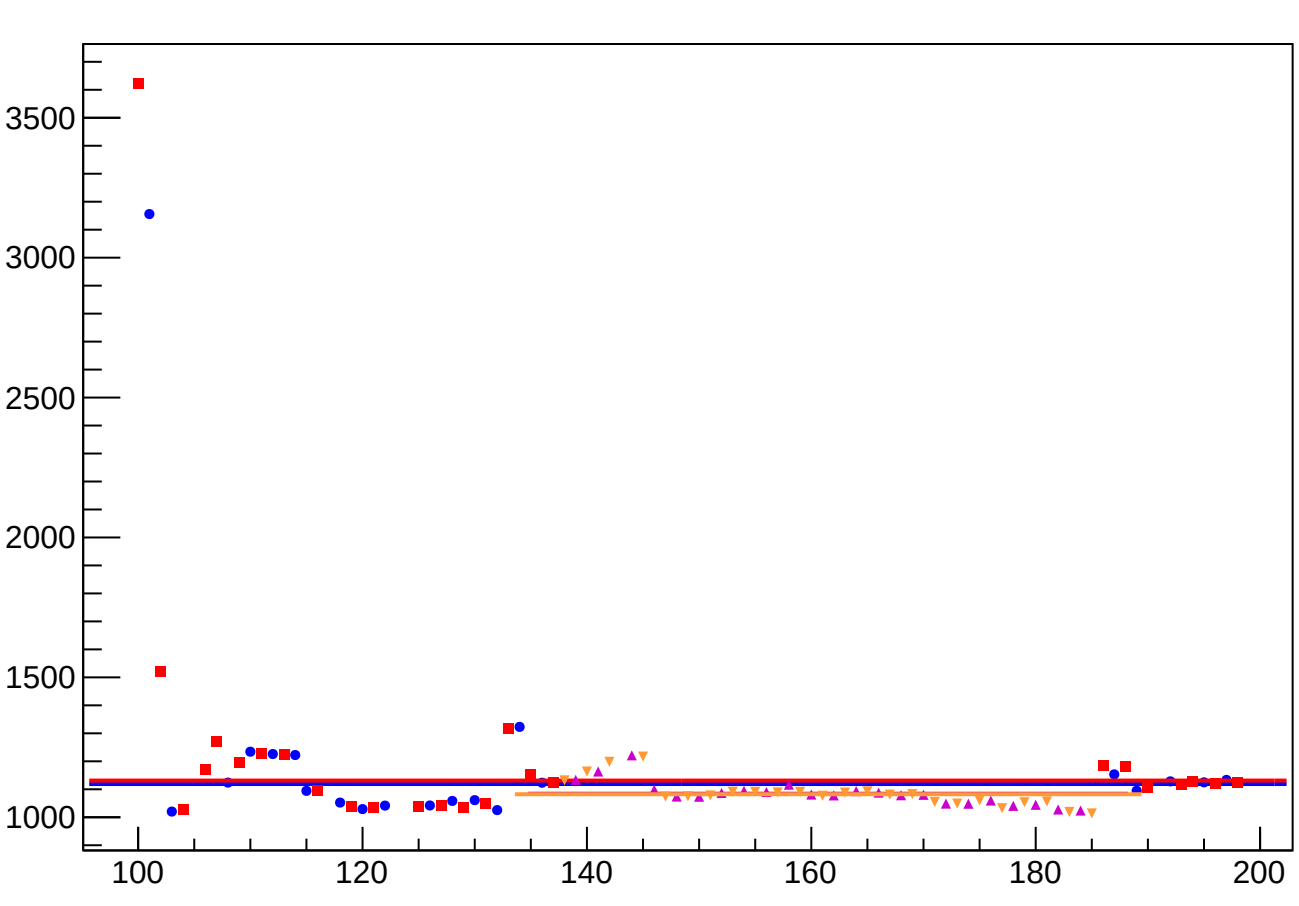
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 192.392+/-237.949 χ^2/NDF: 35.8/45

In: 109.286+/-204.873 χ^2/NDF:54.6/43

Out: 208.651+/-199.043 χ^2/NDF:45.6/48

All: 160.403+/-142.761 χ^2/NDF: 100.3/92



Right In: 1118.823+/-0.246 χ^2/NDF: 624794.8/20

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1131.174+/-0.230 χ^2/NDF: 229059.0/24

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

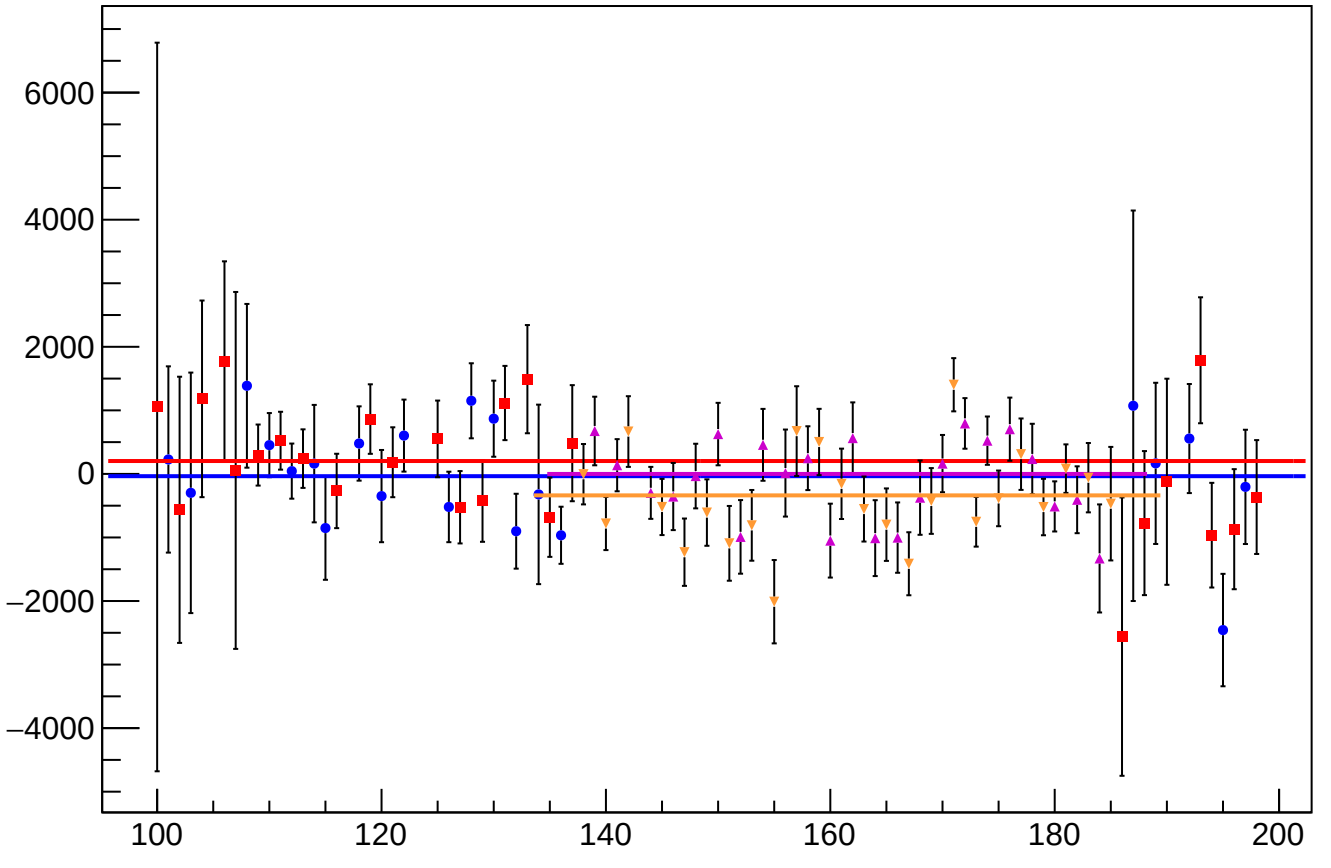
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1125.410+/-0.168 χ^2/NDF: 855194.9/45

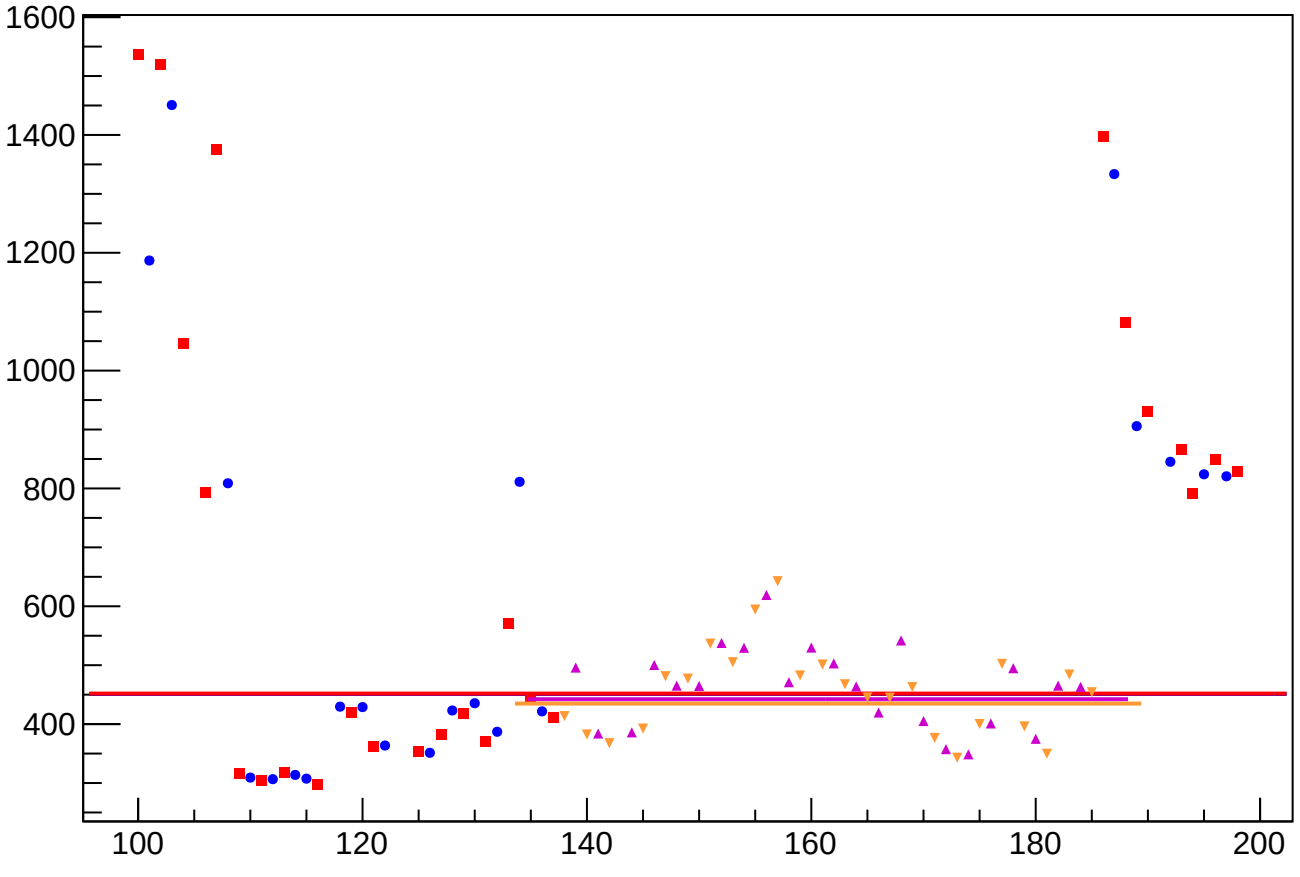
In: 1096.157+/-0.145 χ^2/NDF:691183.9/43

Out: 1100.542+/-0.141 χ^2/NDF:315129.2/48

All: 1098.413+/-0.101 χ^2/NDF: 1006784.5/92


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: -35.741+/-152.382 χ²/NDF: 27.3/20
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: 202.809+/-145.546 χ²/NDF: 22.6/24
Left In: -0.567+/-104.733 χ²/NDF:31.9/22
Left: -172.659+/-73.292 χ²/NDF: 85.9/46
Right: 89.005+/-105.250 χ²/NDF: 51.1/45
In: -11.852+/-86.312 χ²/NDF:59.1/43
Out: -158.345+/-83.859 χ²/NDF:80.6/48
All: -87.210+/-60.146 χ²/NDF: 141.2/92

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 451.151+/-0.108 χ^2/NDF: 3526202.3/20

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 451.767+/-0.103 χ^2/NDF: 4669367.8/24

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

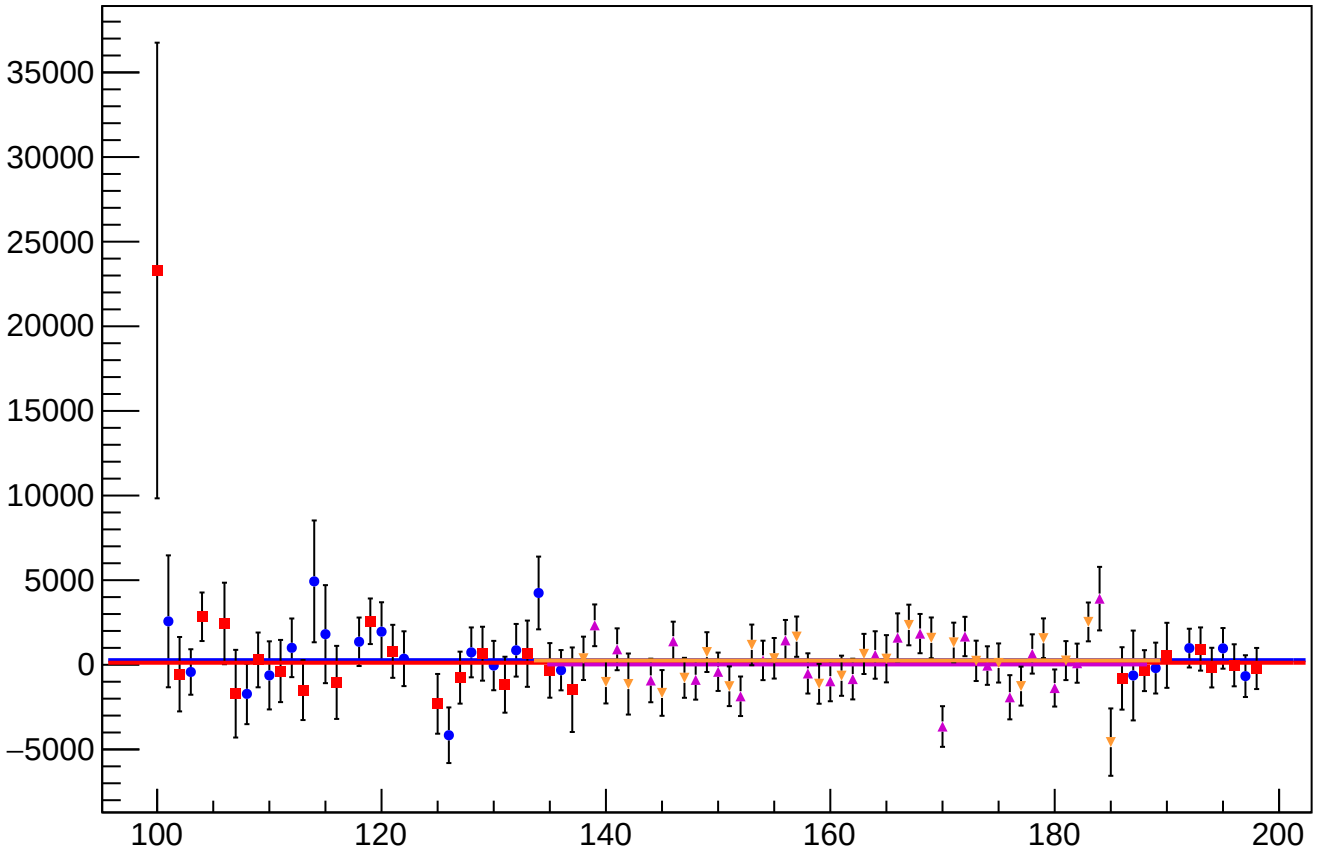
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 451.473+/-0.074 χ^2/NDF: 8195587.3/45

In: 445.078+/-0.061 χ^2/NDF:4356723.3/43

Out: 440.470+/-0.059 χ^2/NDF:5565913.1/48

All: 442.708+/-0.043 χ^2/NDF: 9925569.2/92



Right In: 273.604+/-348.306 χ^2/NDF: 18.5/20

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 121.319+/-325.838 χ^2/NDF: 17.3/24

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

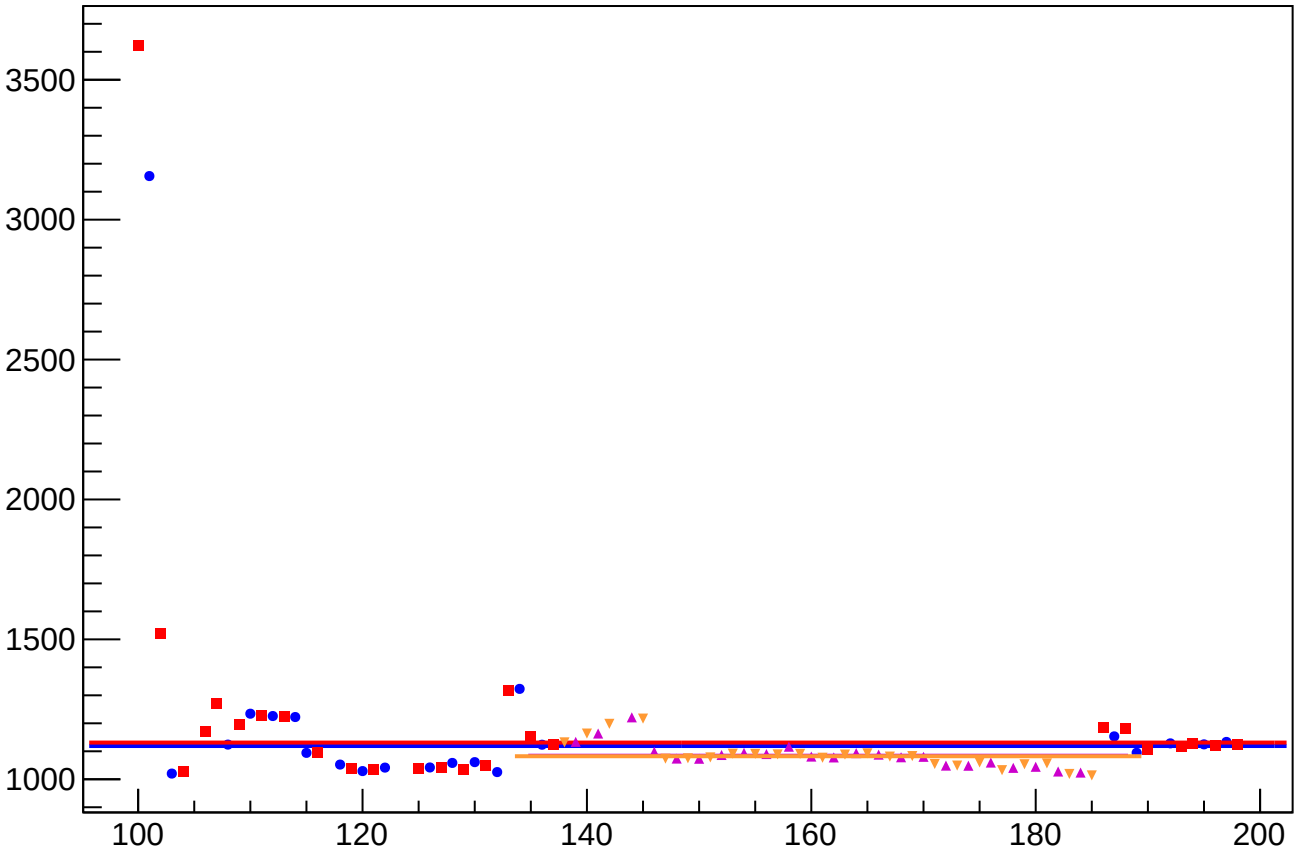
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 192.392+/-237.949 χ^2/NDF: 35.8/45

In: 109.286+/-204.873 χ^2/NDF:54.6/43

Out: 208.651+/-199.043 χ^2/NDF:45.6/48

All: 160.403+/-142.761 χ^2/NDF: 100.3/92



Right In: 1118.823+/-0.246 χ^2/NDF: 624794.8/20

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1131.174+/-0.230 χ^2/NDF: 229059.0/24

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

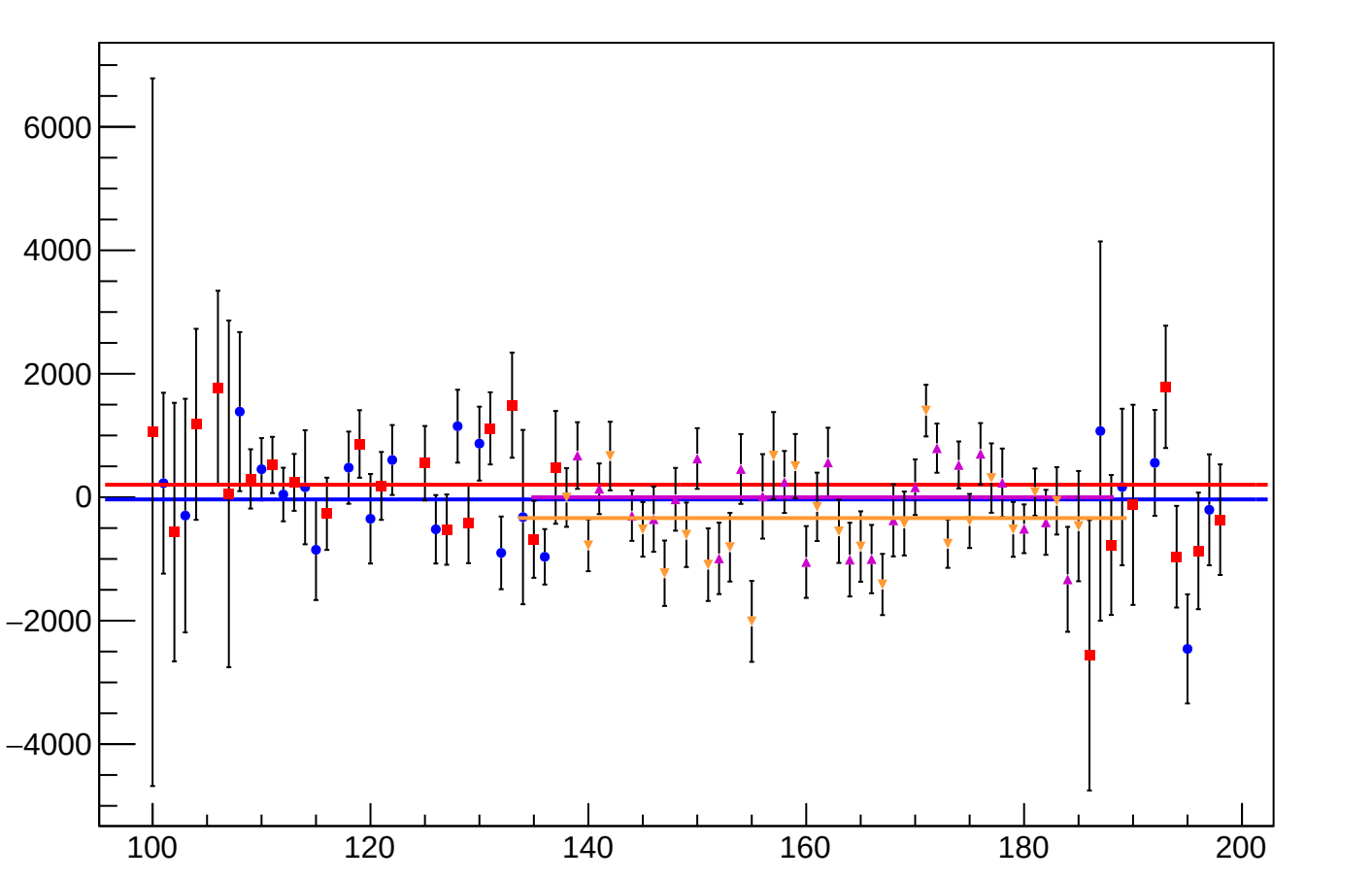
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1125.410+/-0.168 χ^2/NDF: 855194.9/45

In: 1096.157+/-0.145 χ^2/NDF:691183.9/43

Out: 1100.542+/-0.141 χ^2/NDF:315129.2/48

All: 1098.413+/-0.101 χ^2/NDF: 1006784.5/92


asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
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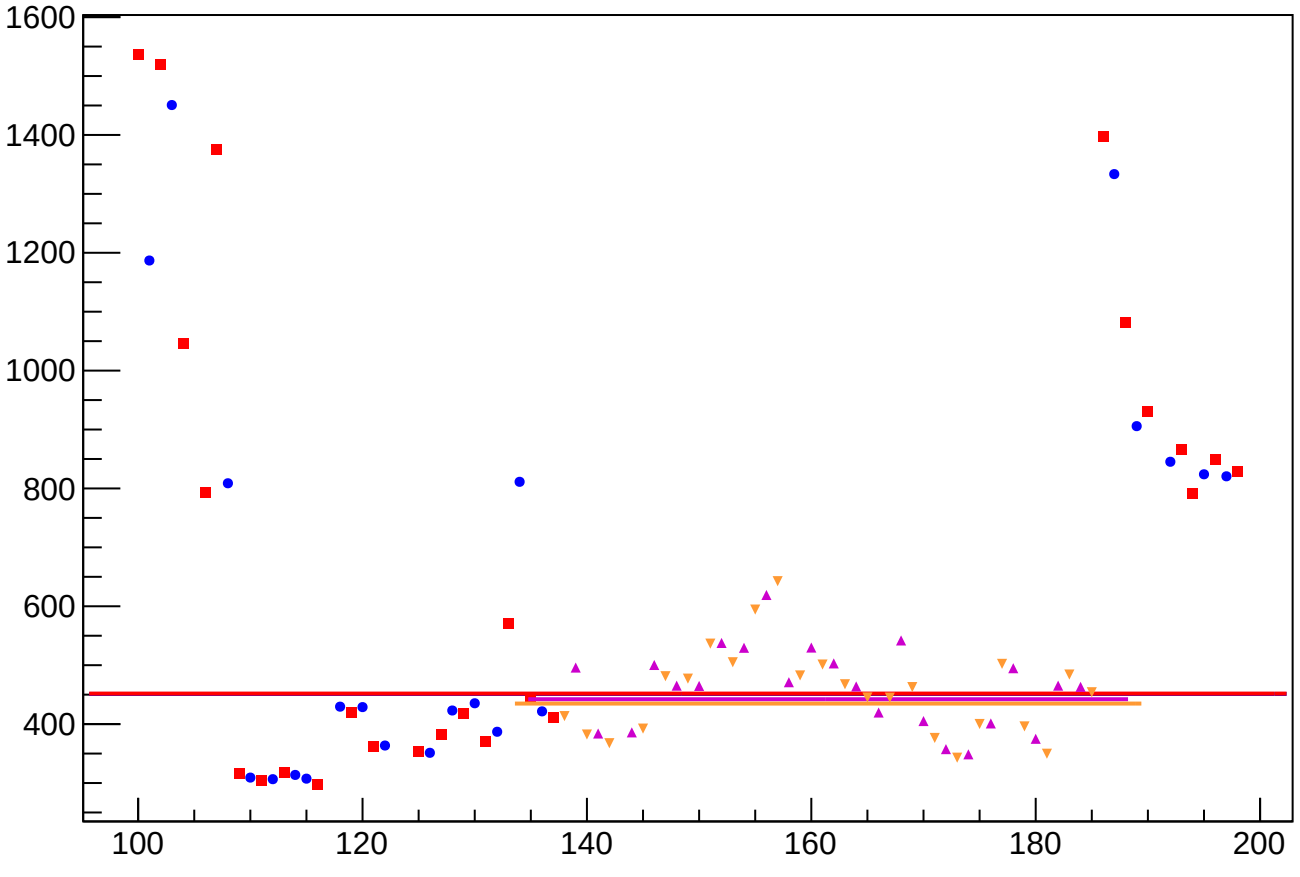
−2000
−4000
100
120
140
160
180
200
Right In: -35.741+/-152.382 χ²/NDF: 27.3/20
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: 202.809+/-145.546 χ²/NDF: 22.6/24
Left In: -0.567+/-104.733 χ²/NDF:31.9/22
Left: -172.659+/-73.292 χ²/NDF: 85.9/46
Right: 89.005+/-105.250 χ²/NDF: 51.1/45
In: -11.852+/-86.312 χ²/NDF:59.1/43
Out: -158.345+/-83.859 χ²/NDF:80.6/48
All: -87.210+/-60.146 χ²/NDF: 141.2/92

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 451.151+/-0.108 χ^2/NDF: 3526202.3/20

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 451.767+/-0.103 χ^2/NDF: 4669367.8/24

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

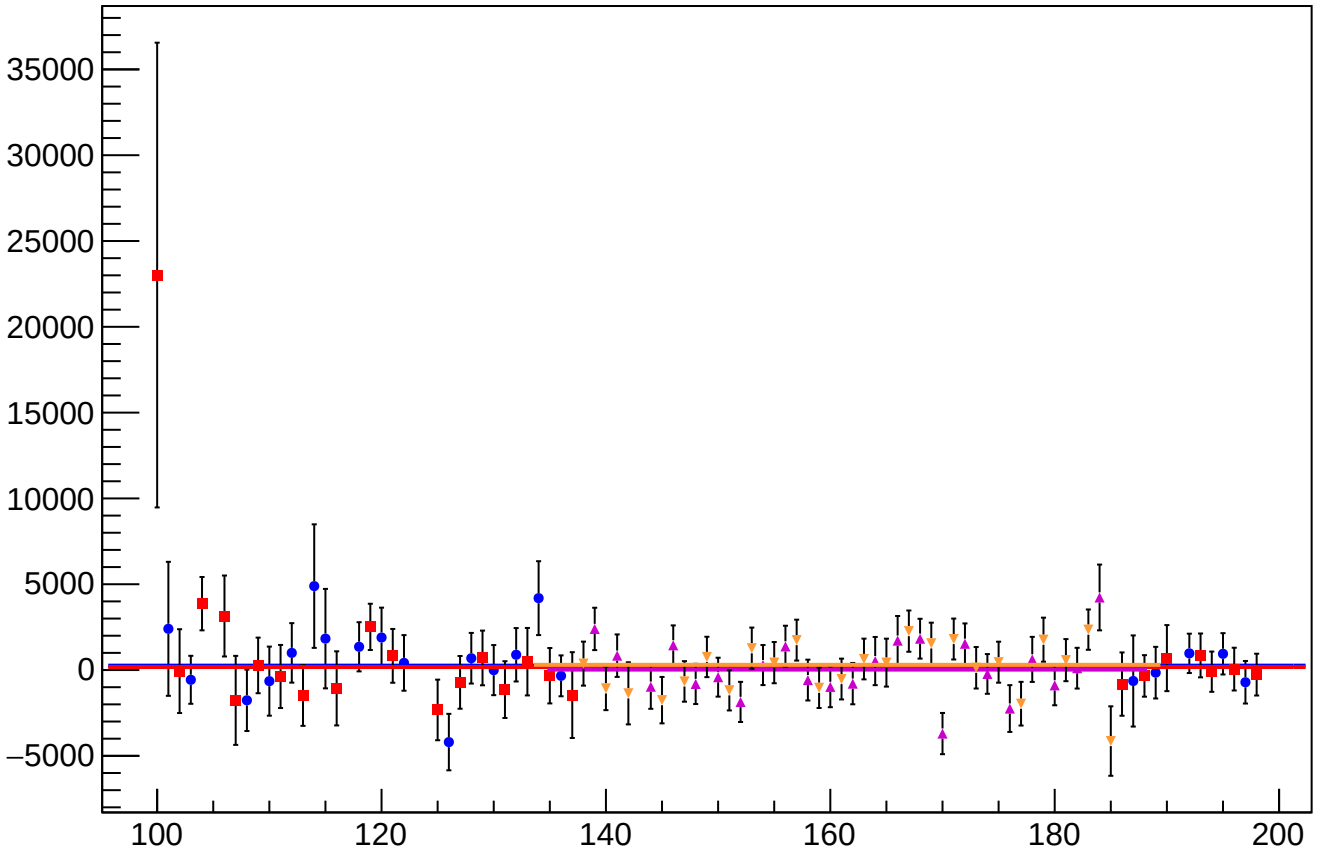
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 451.473+/-0.074 χ^2/NDF: 8195587.3/45

In: 445.078+/-0.061 χ^2/NDF:4356723.3/43

Out: 440.470+/-0.059 χ^2/NDF:5565913.1/48

All: 442.708+/-0.043 χ^2/NDF: 9925569.2/92



Right In: 256.073+/-349.647 χ^2/NDF: 18.5/20

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: 175.620+/-328.006 χ^2/NDF: 19.8/24

Left In: 25.319+/-256.866 χ^2/NDF:35.9/22

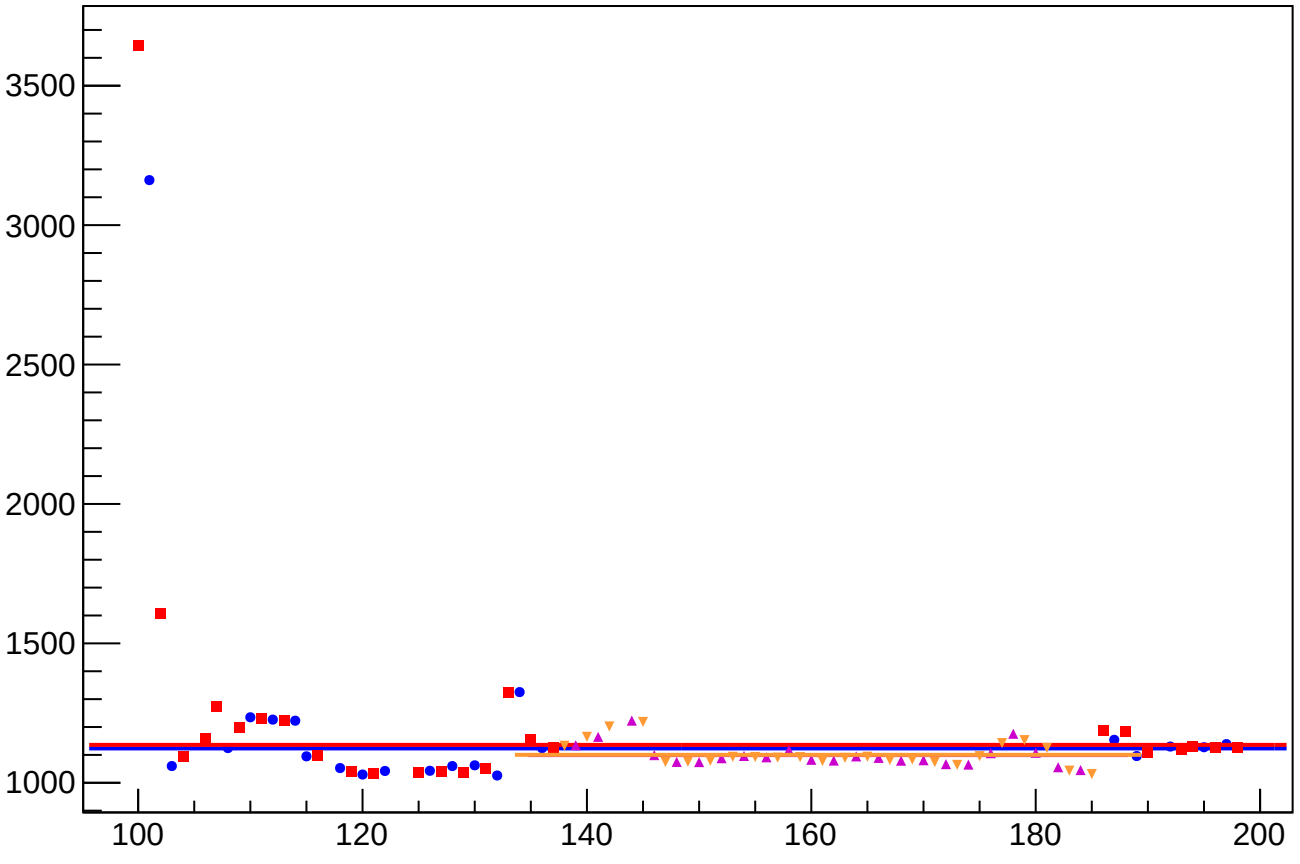
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 213.280+/-239.220 χ^2/NDF: 38.3/45

In: 106.203+/-207.009 χ^2/NDF:54.6/43

Out: 255.136+/-201.593 χ^2/NDF:48.4/48

All: 182.643+/-144.424 χ^2/NDF: 103.2/92



Right In: 1123.210+/-0.247 χ^2/NDF: 618404.5/20

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

Right Out: 1135.976+/-0.232 χ^2/NDF: 233184.9/24

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

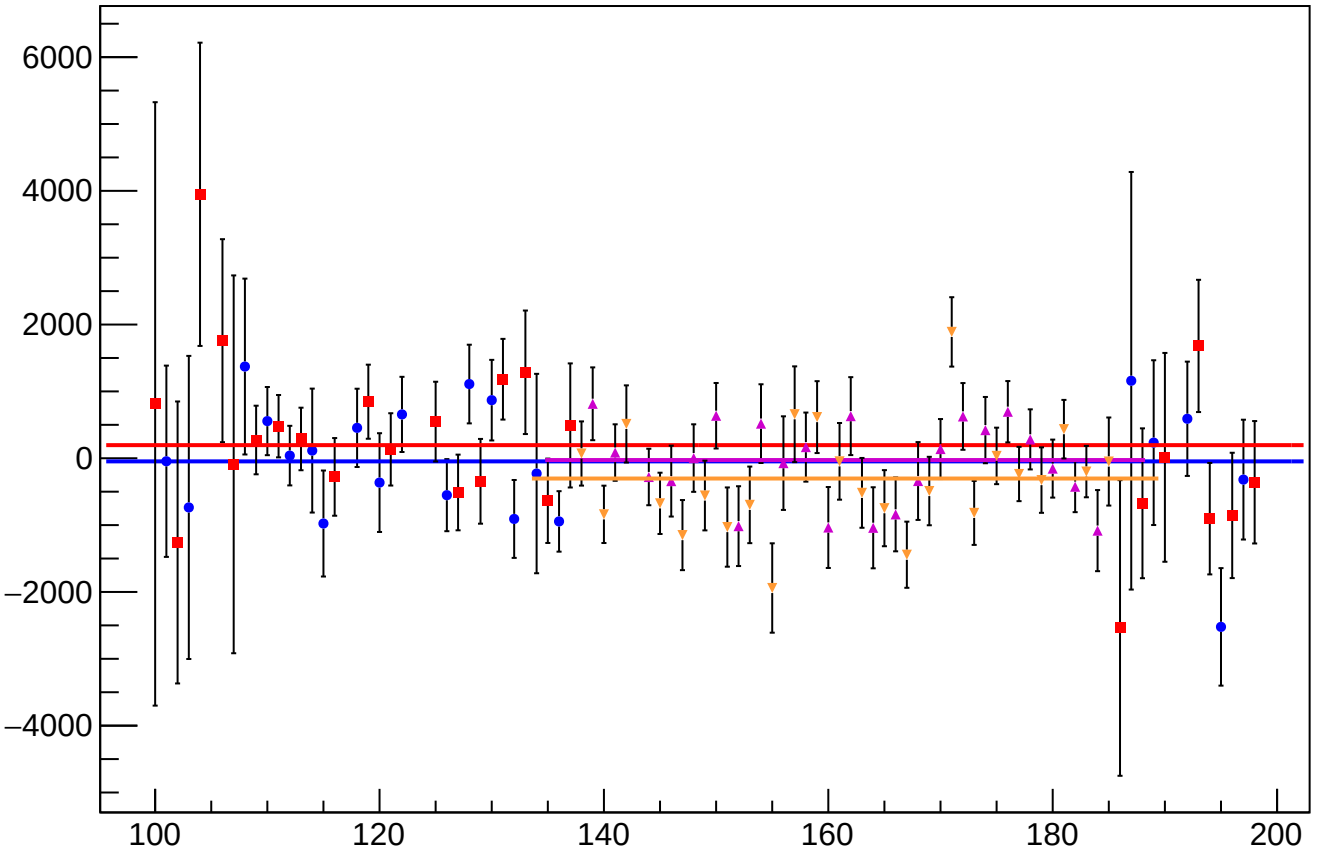
Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

Right: 1130.000+/-0.169 χ^2/NDF: 853007.5/45

In: 1107.708+/-0.146 χ^2/NDF:669242.8/43

Out: 1113.750+/-0.143 χ^2/NDF:296716.4/48

All: 1110.809+/-0.102 χ^2/NDF: 966833.7/92



Right In: -46.649+/-152.773 χ^2/NDF: 28.6/20

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: 196.234+/-147.694 χ^2/NDF: 23.1/24

Left In: -26.740+/-105.420 χ^2/NDF:27.9/22

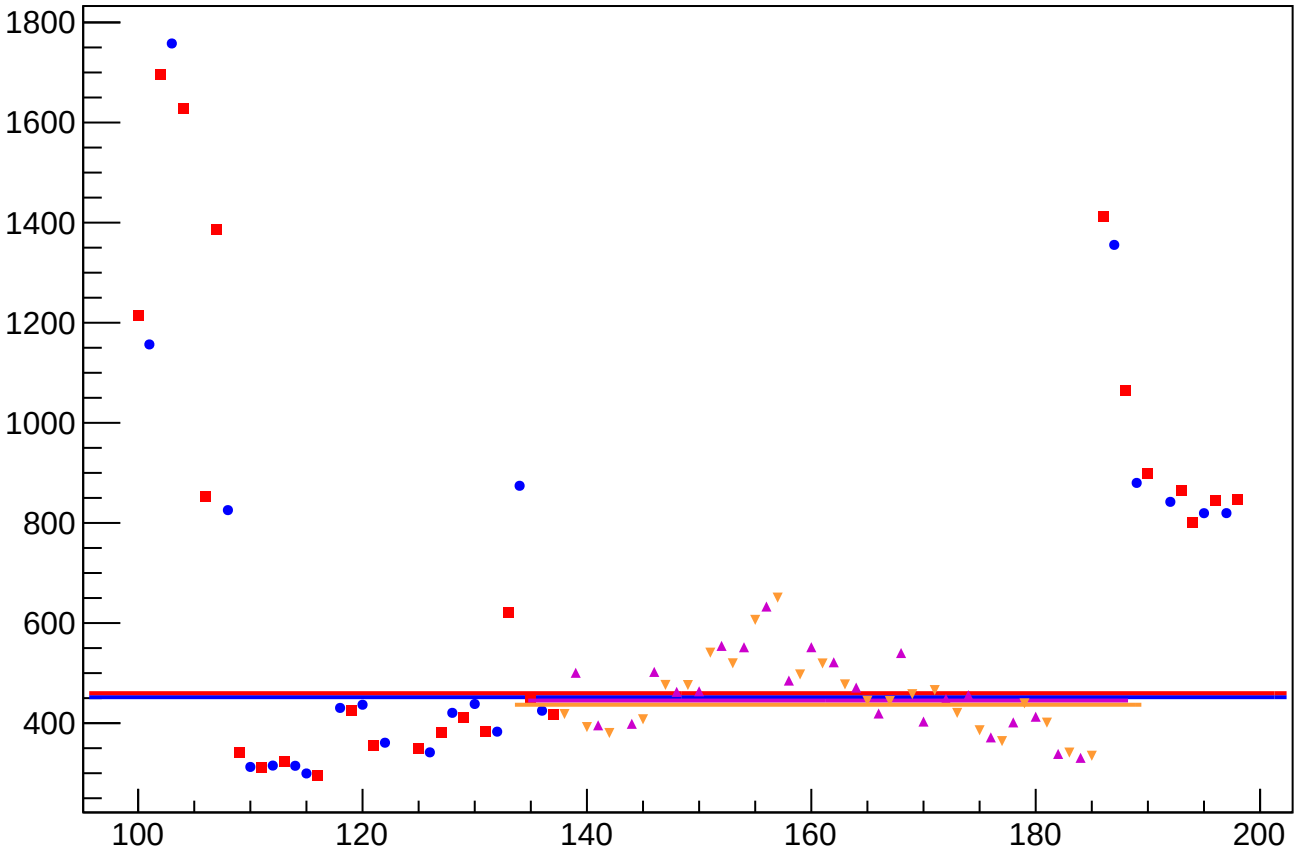
Left: -168.216+/-73.665 χ^2/NDF: 80.9/46

Right: 78.897+/-106.185 χ^2/NDF: 53.0/45

In: -33.162+/-86.768 χ^2/NDF:56.4/43

Out: -139.835+/-84.473 χ^2/NDF:80.3/48

All: -87.927+/-60.526 χ^2/NDF: 137.5/92



Right In: 451.911+/-0.108 χ^2/NDF: 3619498.2/20

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 459.900+/-0.104 χ^2/NDF: 5032938.3/24

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

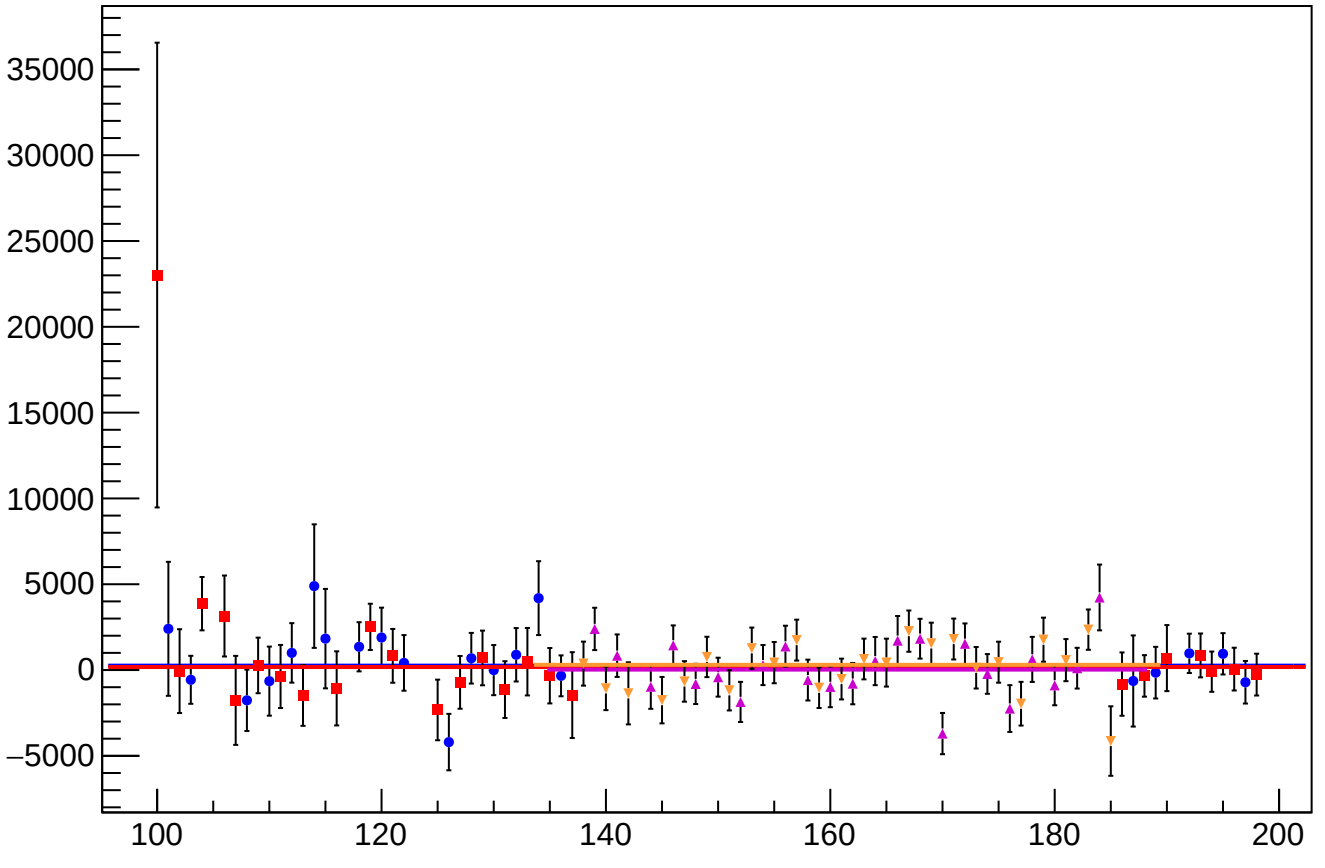
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 456.040+/-0.075 χ^2/NDF: 8655263.4/45

In: 447.303+/-0.061 χ^2/NDF:4496718.8/43

Out: 444.348+/-0.060 χ^2/NDF:5921100.8/48

All: 445.786+/-0.043 χ^2/NDF: 10419010.6/92



Right In: 256.076+/-349.647 χ^2/NDF: 18.5/20

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: 175.620+/-328.006 χ^2/NDF: 19.8/24

Left In: 25.320+/-256.866 χ^2/NDF:35.9/22

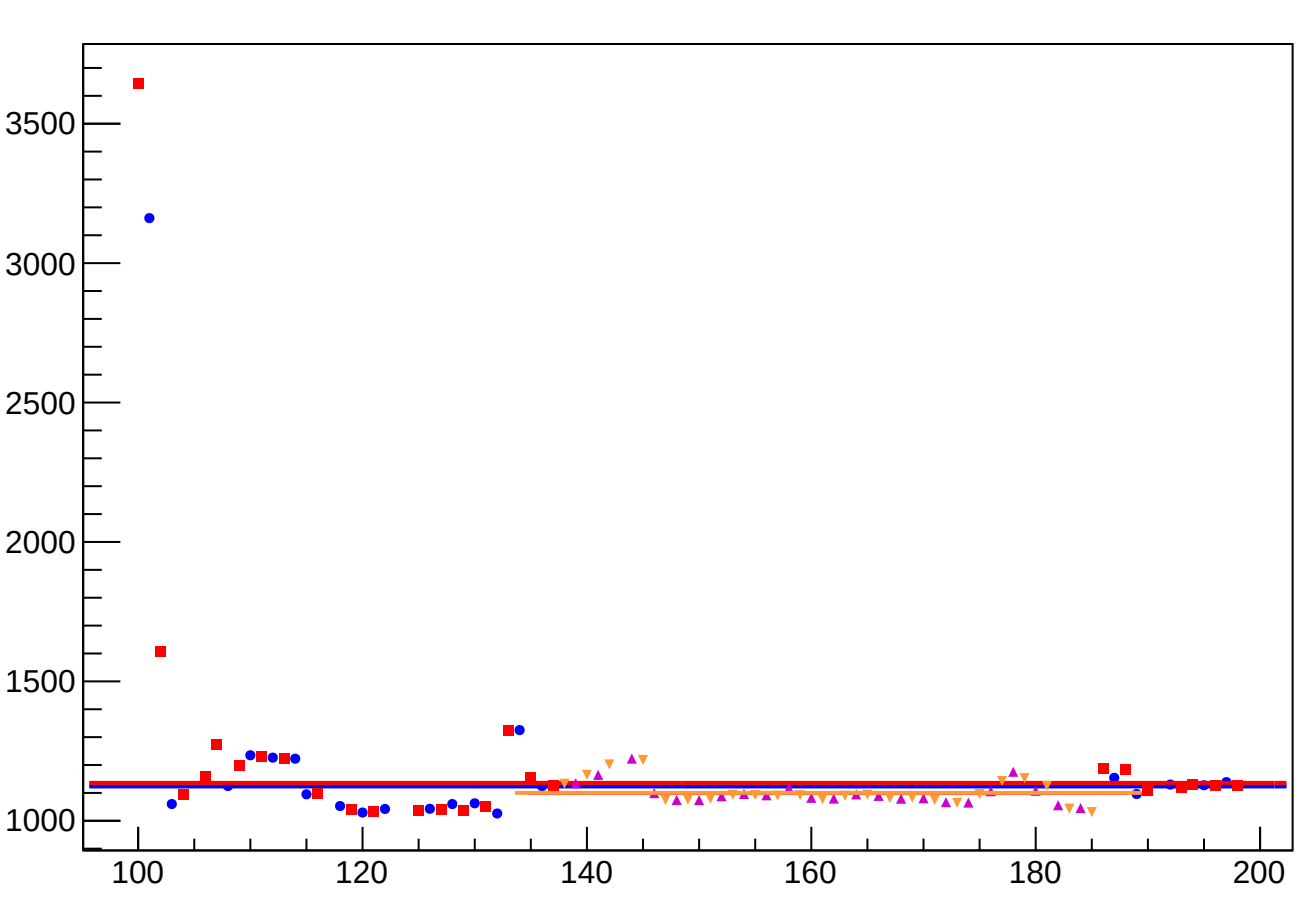
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 213.281+/-239.220 χ^2/NDF: 38.3/45

In: 106.205+/-207.009 χ^2/NDF:54.6/43

Out: 255.134+/-201.593 χ^2/NDF:48.4/48

All: 182.643+/-144.424 χ^2/NDF: 103.2/92



Right In: 1123.210+/-0.247 χ^2/NDF: 618404.5/20

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

Right Out: 1135.976+/-0.232 χ^2/NDF: 233185.0/24

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

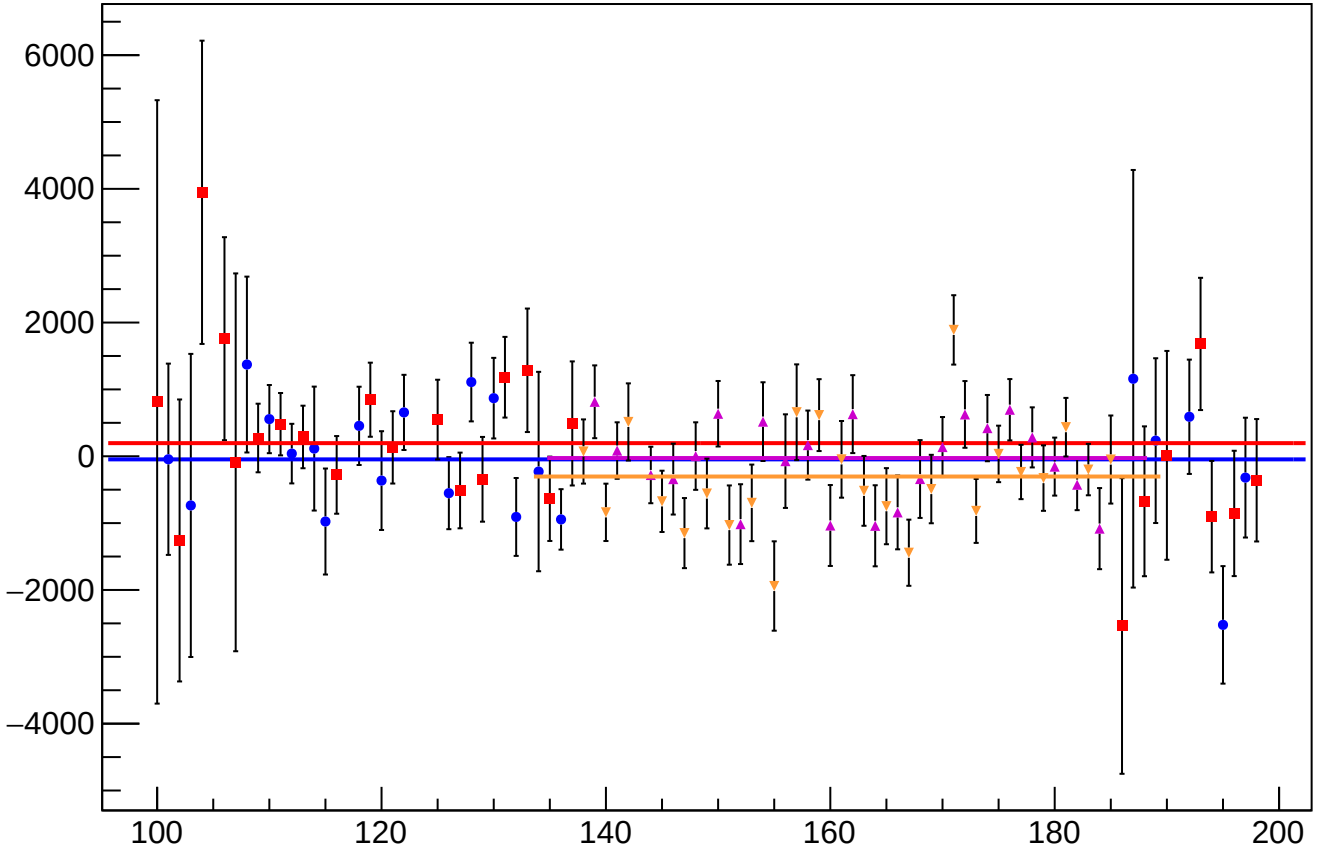
Right: 1130.000+/-0.169 χ^2/NDF: 853007.6/45

In: 1107.708+/-0.146 χ^2/NDF:669243.0/43

Out: 1113.750+/-0.143 χ^2/NDF:296716.7/48

All: 1110.809+/-0.102 χ^2/NDF: 966834.0/92

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -46.651+/-152.772 χ^2/NDF: 28.6/20

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

Right Out: 196.233+/-147.693 χ^2/NDF: 23.1/24

Left In: -26.739+/-105.420 χ^2/NDF:27.9/22

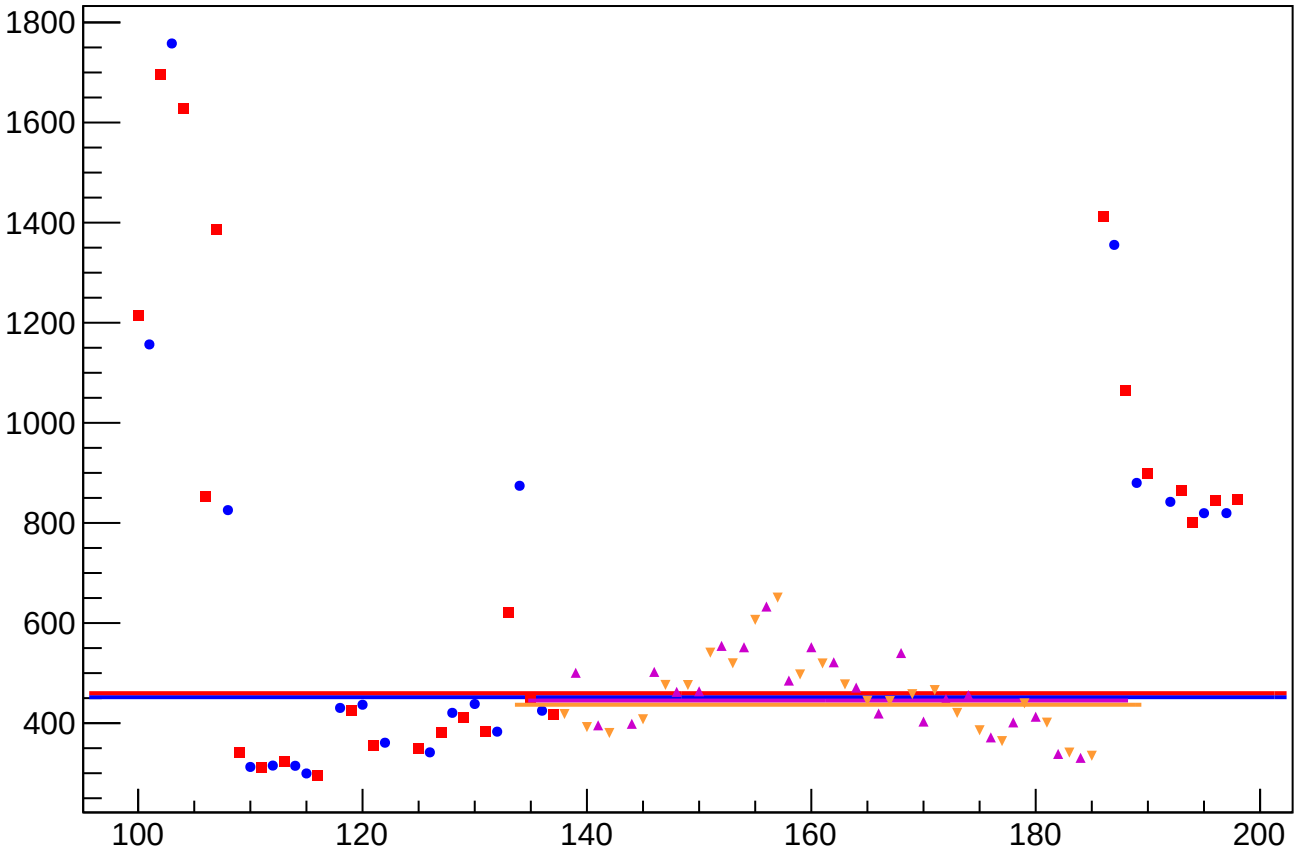
Left: -168.217+/-73.665 χ^2/NDF: 80.9/46

Right: 78.895+/-106.185 χ^2/NDF: 53.0/45

In: -33.162+/-86.767 χ^2/NDF:56.4/43

Out: -139.834+/-84.473 χ^2/NDF:80.3/48

All: -87.928+/-60.526 χ^2/NDF: 137.5/92



Right In: 451.907+/-0.108 χ^2/NDF: 3619513.9/20

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 459.896+/-0.104 χ^2/NDF: 5032977.0/24

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

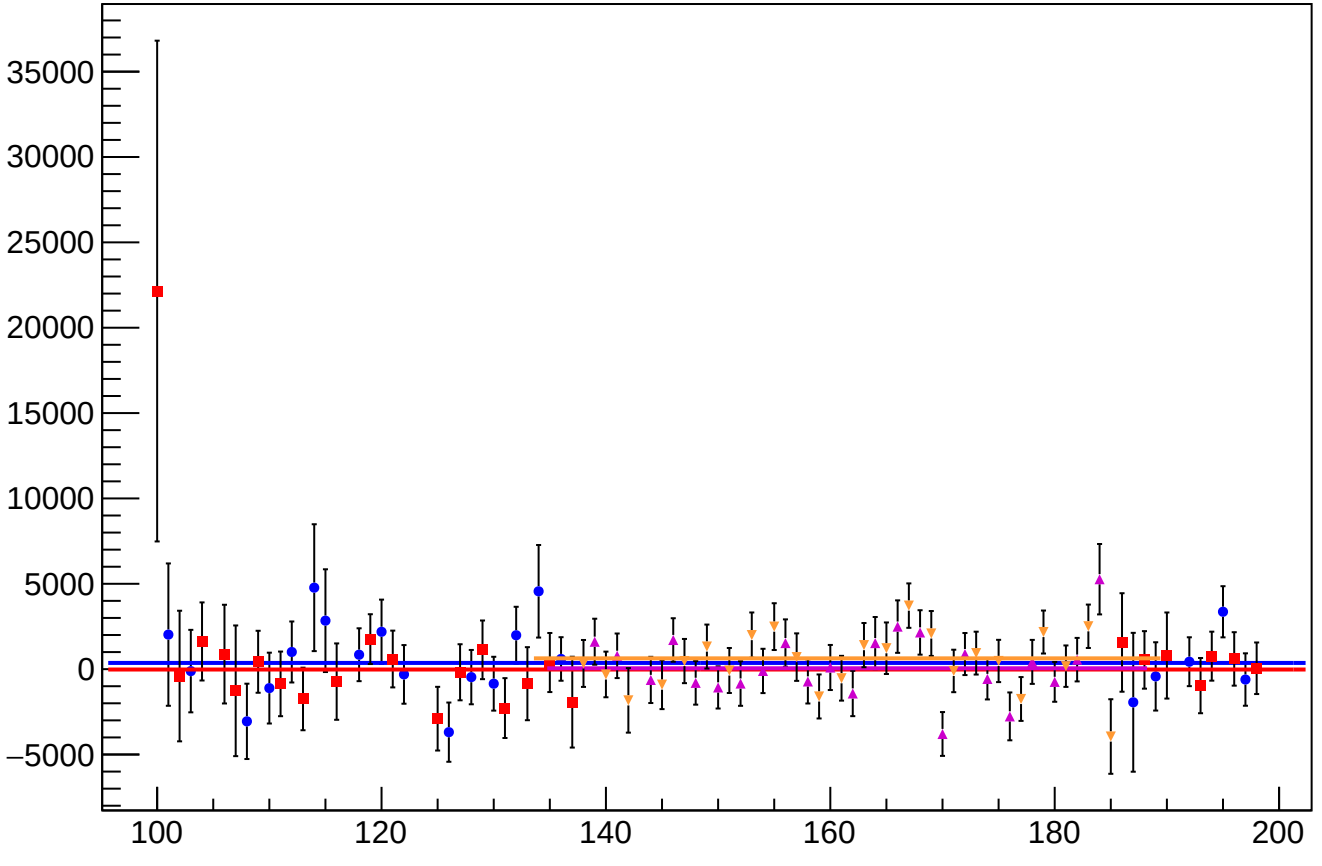
Right: 456.037+/-0.075 χ^2/NDF: 8655317.8/45

In: 447.301+/-0.061 χ^2/NDF:4496766.2/43

Out: 444.346+/-0.060 χ^2/NDF:5921160.8/48

All: 445.784+/-0.043 χ^2/NDF: 10419118.1/92

asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected



Right In: 364.370+/-404.607 χ^2/NDF: 21.1/20

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: -21.740+/-385.639 χ^2/NDF: 12.4/24

Left In: 50.835+/-276.213 χ^2/NDF:35.0/22

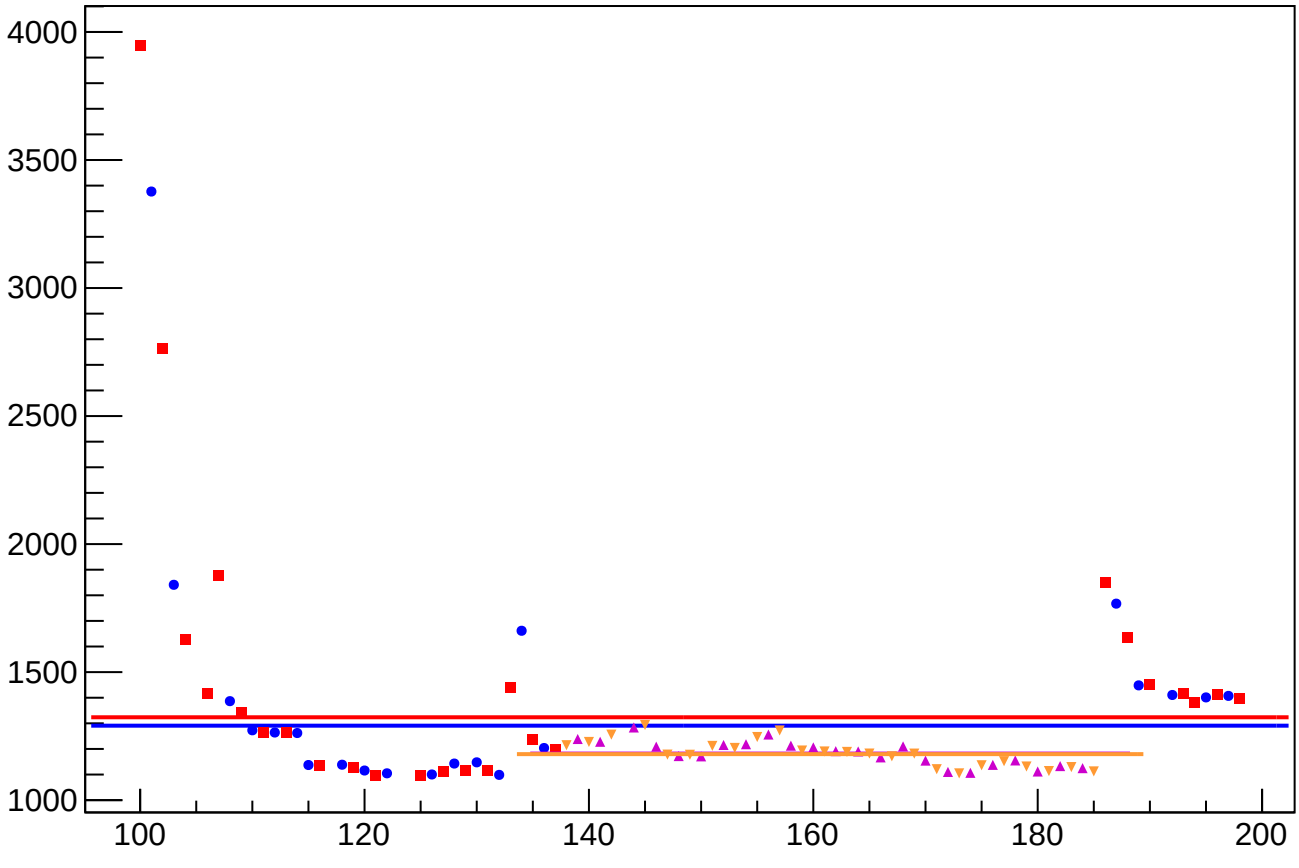
Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

Right: 162.053+/-279.153 χ^2/NDF: 34.0/45

In: 150.504+/-228.124 χ^2/NDF:56.5/43

Out: 413.207+/-223.394 χ^2/NDF:44.5/48

All: 284.607+/-159.609 χ^2/NDF: 101.7/92



Right In: 1290.853+/-0.286 χ^2/NDF: 881732.8/20

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

Right Out: 1323.674+/-0.273 χ^2/NDF: 815832.3/24

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

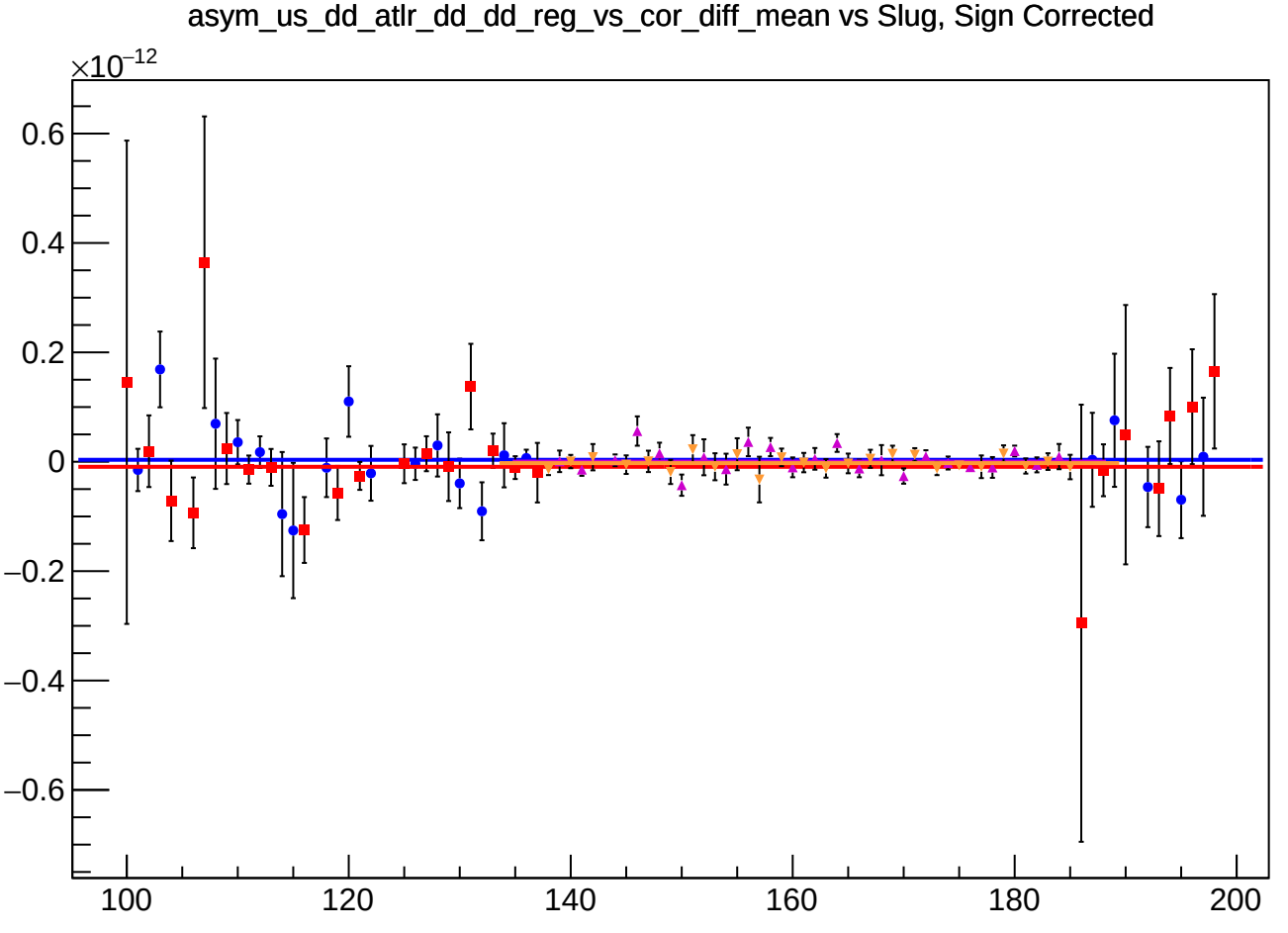
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1308.051+/-0.197 χ^2/NDF: 1704460.8/45

In: 1216.555+/-0.161 χ^2/NDF:1040959.6/43

Out: 1228.022+/-0.158 χ^2/NDF:1065685.9/48

All: 1222.408+/-0.113 χ^2/NDF: 2109225.2/92



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/20

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/24

Left In: 0.000+/-0.000 χ^2/NDF:32.5/22

Left: -0.000+/-0.000 χ^2/NDF: 43.4/46

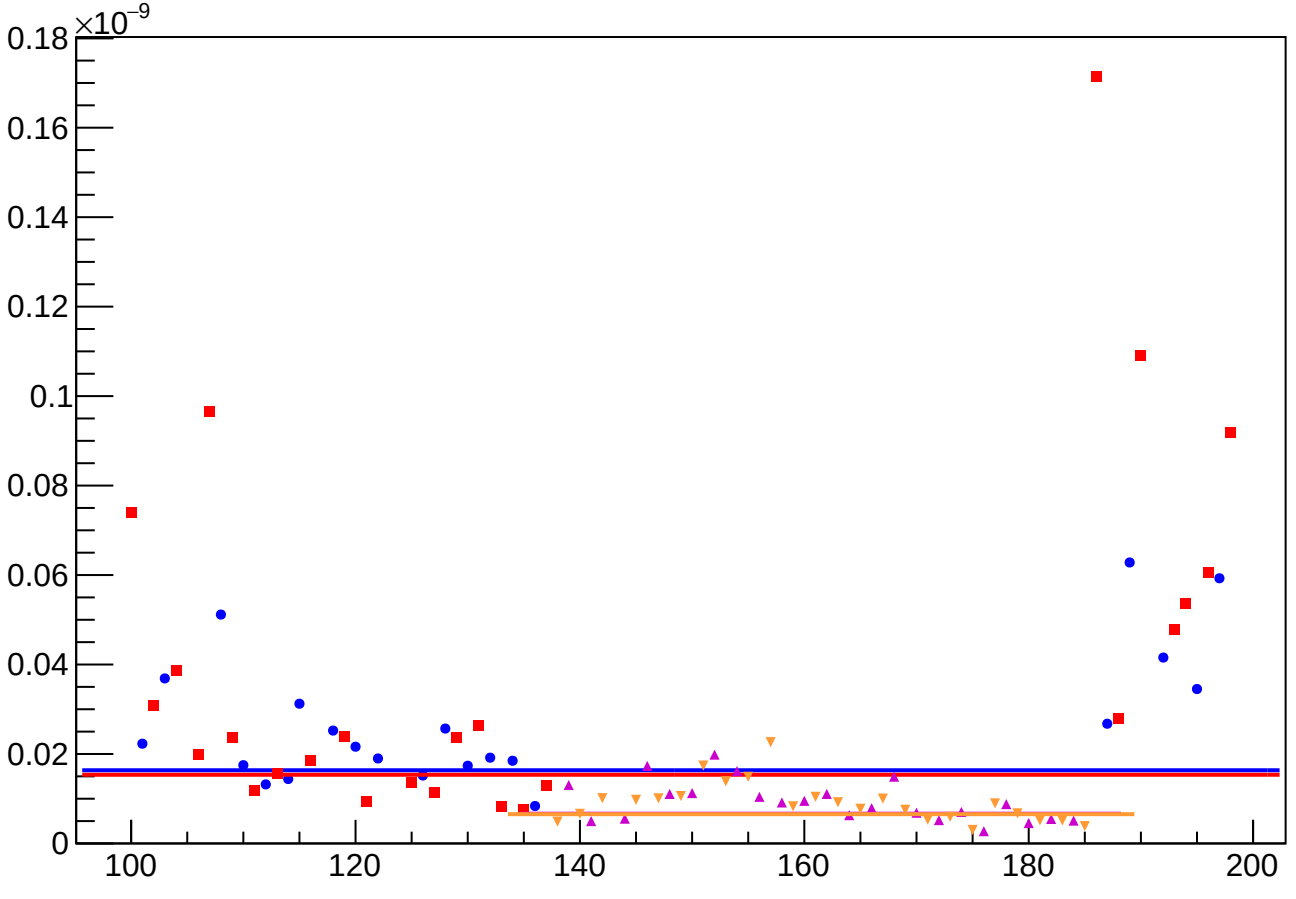
Right: -0.000+/-0.000 χ^2/NDF: 38.9/45

In: 0.000+/-0.000 χ^2/NDF:50.9/43

Out: -0.000+/-0.000 χ^2/NDF:30.6/48

All: -0.000+/-0.000 χ^2/NDF: 82.4/92

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2138261.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3676775.2/24

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

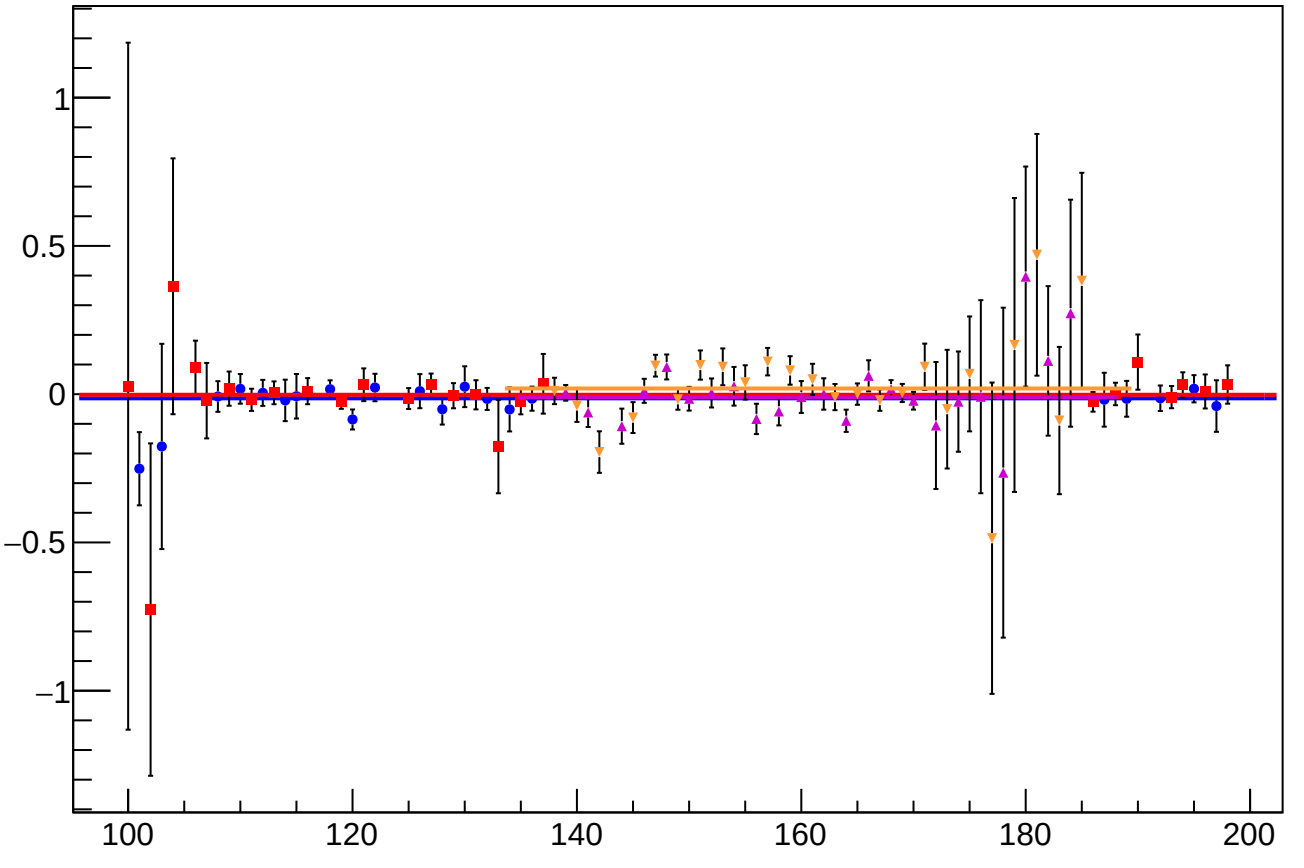
Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

Right: 0.000+/-0.000 χ^2/NDF: 5826937.3/45

In: 0.000+/-0.000 χ^2/NDF:6624939.7/43

Out: 0.000+/-0.000 χ^2/NDF:7721693.8/48

All: 0.000+/-0.000 χ^2/NDF: 14349664.0/92



Right In: -0.014+/-0.011 χ^2/NDF: 12.5/20

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.002+/-0.009 χ^2/NDF: 10.8/24

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

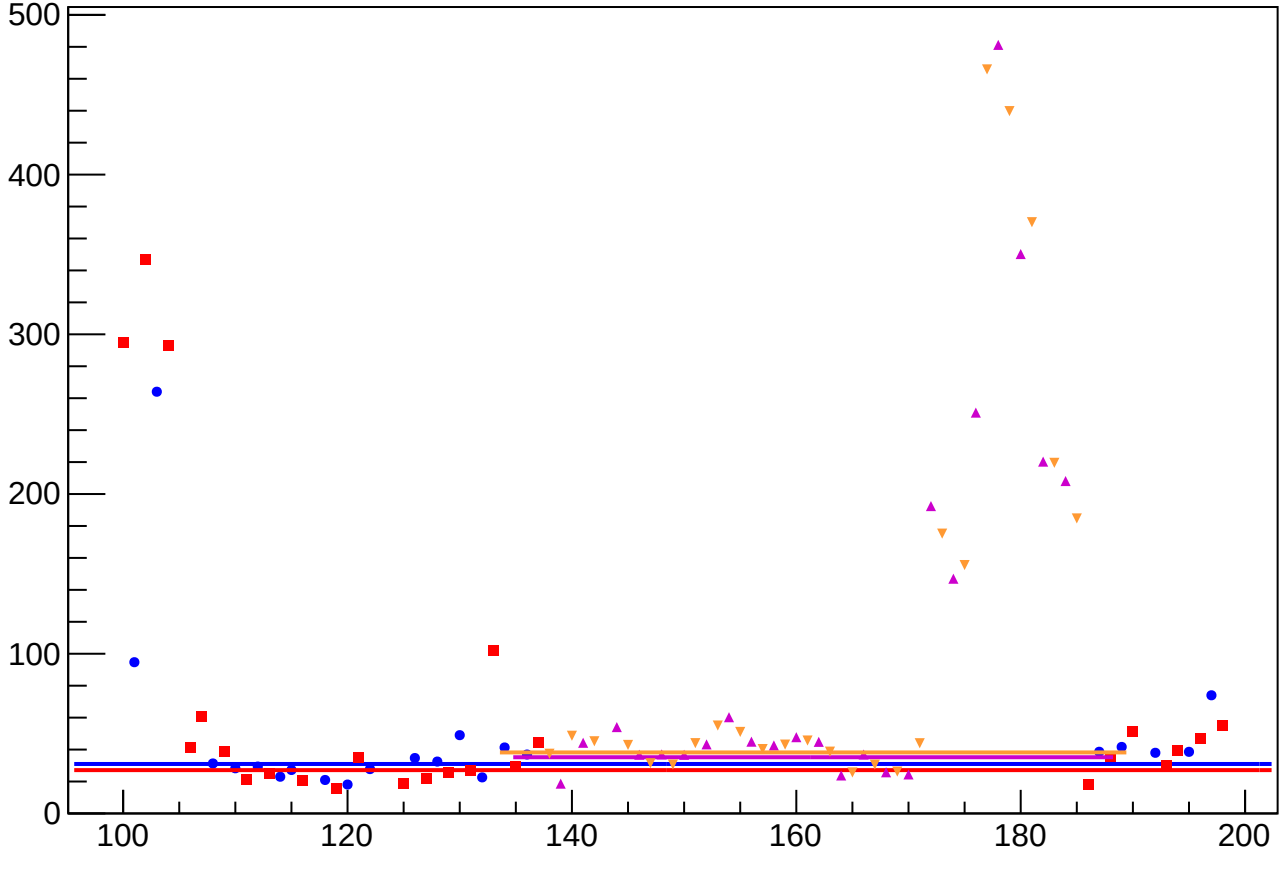
Right: -0.007+/-0.007 χ^2/NDF: 24.0/45

In: -0.012+/-0.008 χ^2/NDF:36.2/43

Out: 0.007+/-0.007 χ^2/NDF:48.9/48

All: -0.002+/-0.005 χ^2/NDF: 88.5/92

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.978+/-0.008 χ^2/NDF: 3007043.0/20

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 27.132+/-0.007 χ^2/NDF: 4225273.5/24

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

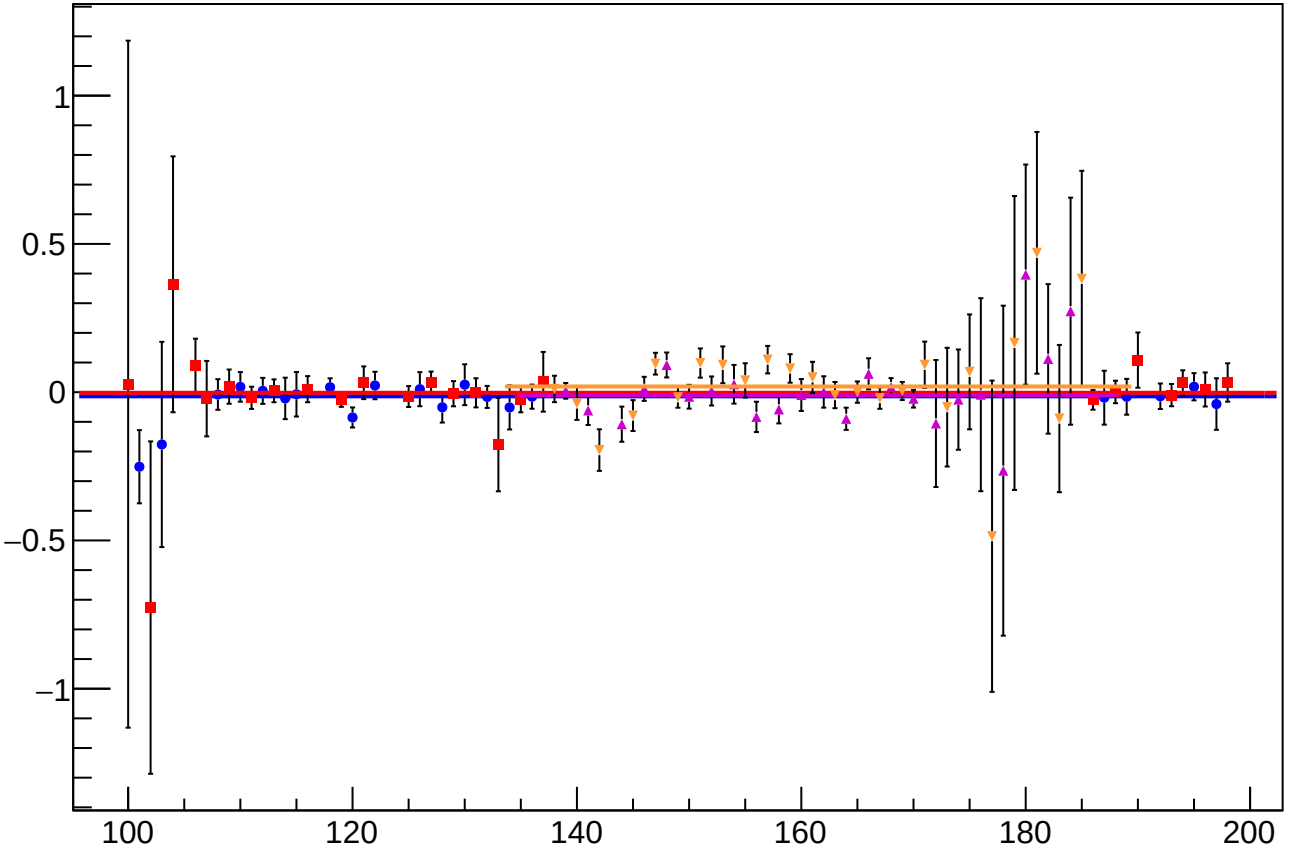
Right: 28.753+/-0.005 χ^2/NDF: 7371628.3/45

In: 33.248+/-0.005 χ^2/NDF:12553934.8/43

Out: 31.938+/-0.005 χ^2/NDF:13700262.8/48

All: 32.556+/-0.004 χ^2/NDF: 26286149.9/92

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.011 χ^2/NDF: 12.5/20

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.002+/-0.009 χ^2/NDF: 10.8/24

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

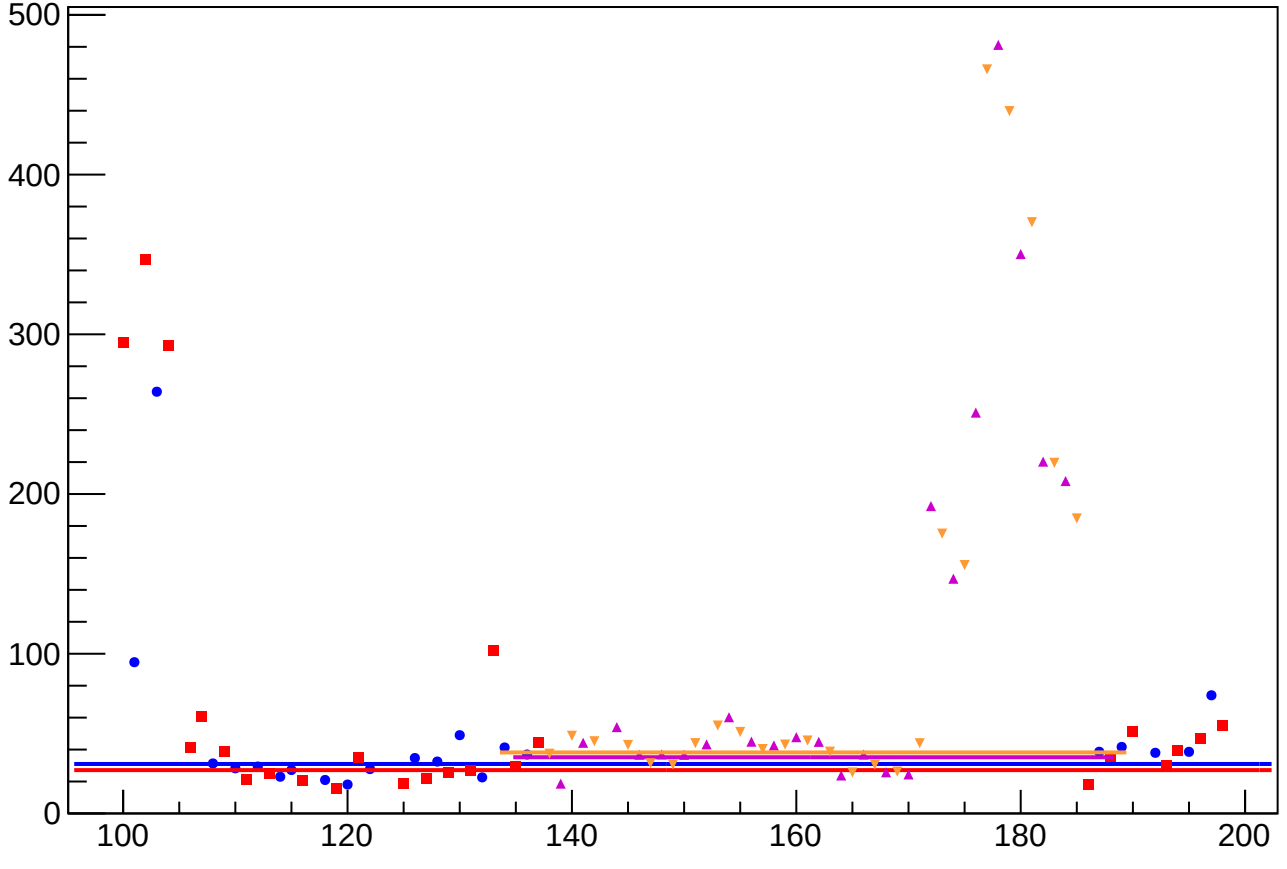
Right: -0.007+/-0.007 χ^2/NDF: 24.0/45

In: -0.012+/-0.008 χ^2/NDF:36.2/43

Out: 0.007+/-0.007 χ^2/NDF:48.9/48

All: -0.002+/-0.005 χ^2/NDF: 88.5/92

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.978+/-0.008 χ^2/NDF: 3007043.0/20

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 27.132+/-0.007 χ^2/NDF: 4225273.5/24

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

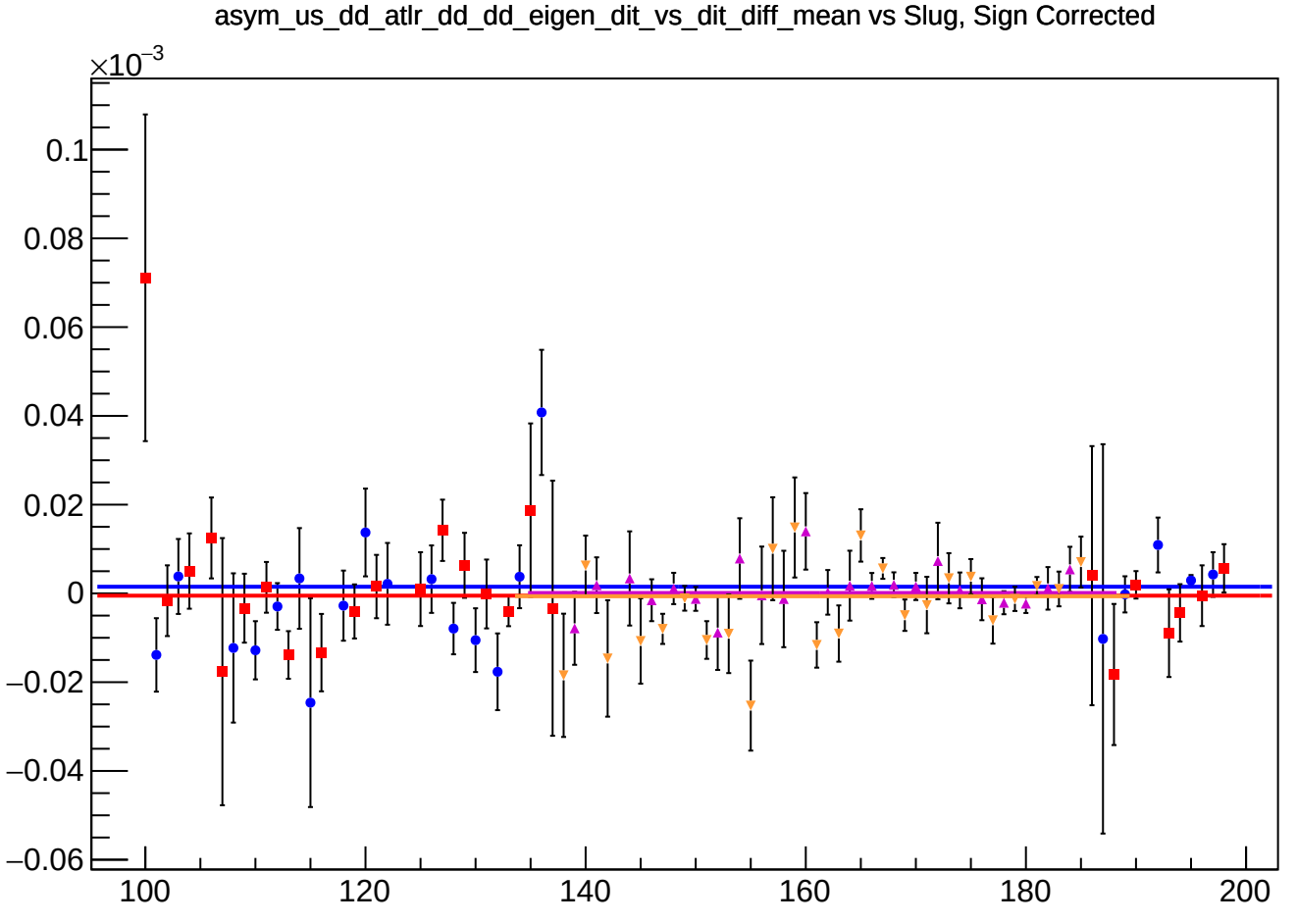
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 28.753+/-0.005 χ^2/NDF: 7371628.3/45

In: 33.248+/-0.005 χ^2/NDF:12553934.8/43

Out: 31.938+/-0.005 χ^2/NDF:13700262.8/48

All: 32.556+/-0.004 χ^2/NDF: 26286149.9/92



Right In: 0.000+/-0.000 χ^2/NDF: 35.3/20

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.4/24

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

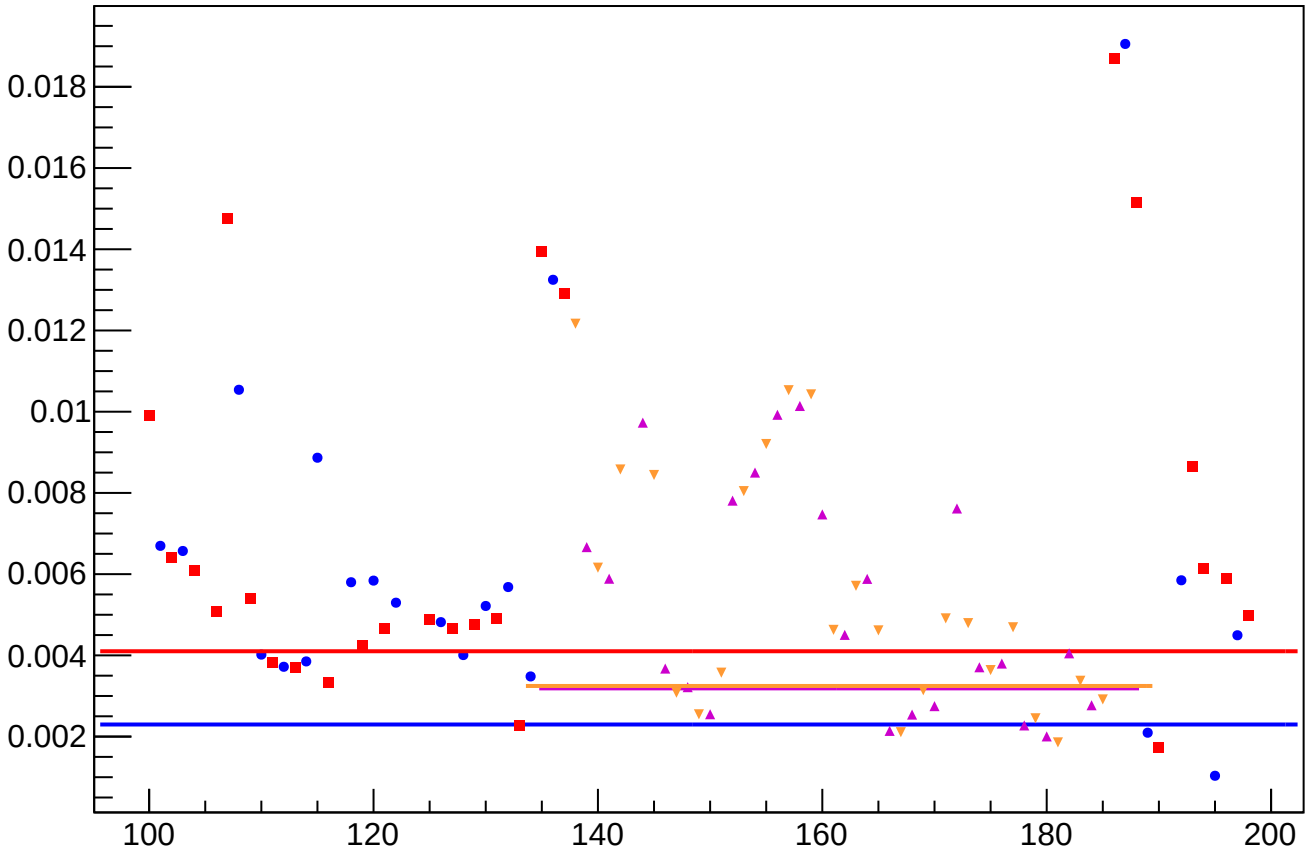
Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

Right: 0.000+/-0.000 χ^2/NDF: 64.1/45

In: 0.000+/-0.000 χ^2/NDF:47.4/43

Out: -0.000+/-0.000 χ^2/NDF:78.6/48

All: 0.000+/-0.000 χ^2/NDF: 127.8/92



Right In: 0.002+/-0.000 χ^2/NDF: 8672621.2/20

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

Right Out: 0.004+/-0.000 χ^2/NDF: 5493494.1/24

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

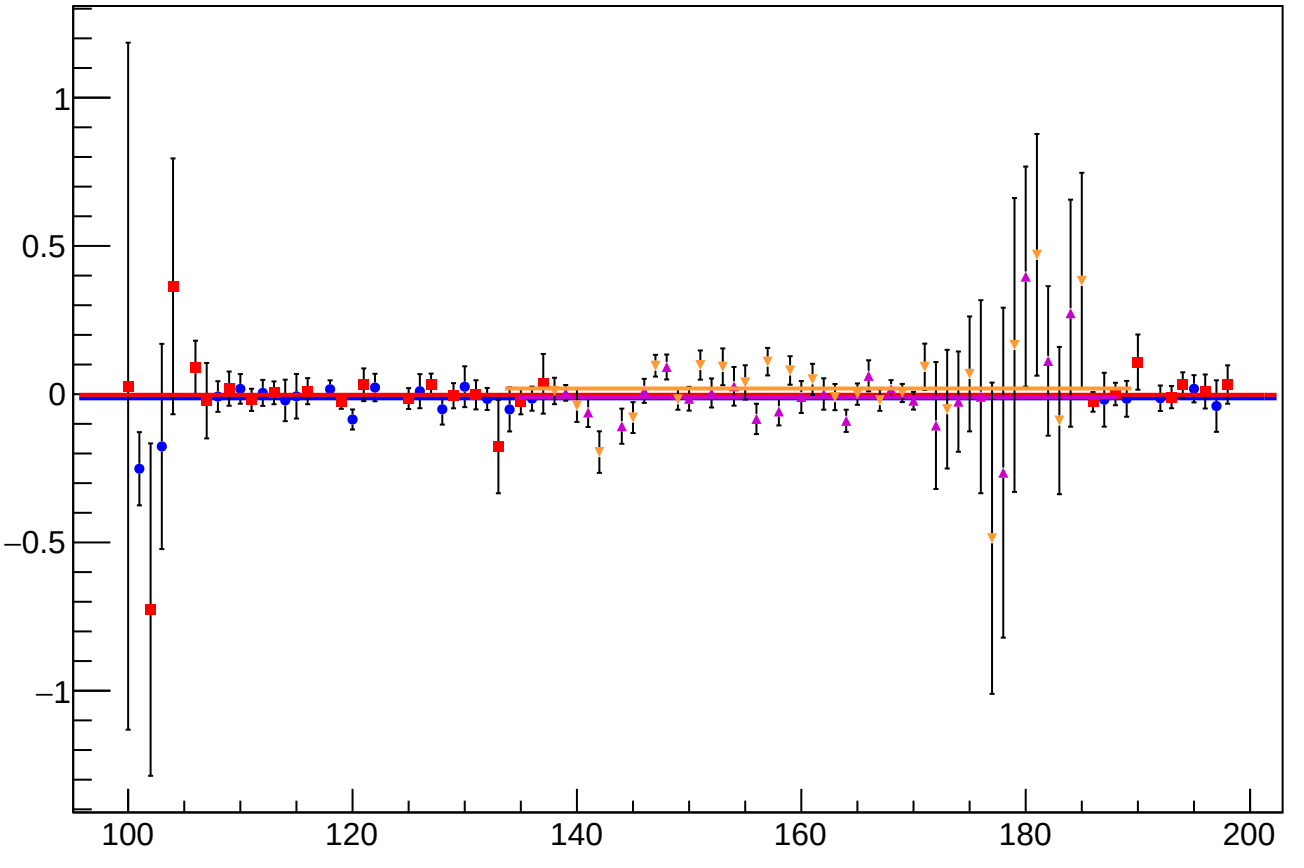
Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

Right: 0.003+/-0.000 χ^2/NDF: 16496596.1/45

In: 0.003+/-0.000 χ^2/NDF:16905620.0/43

Out: 0.003+/-0.000 χ^2/NDF:13796529.2/48

All: 0.003+/-0.000 χ^2/NDF: 31718806.1/92



Right In: -0.014+/-0.011 χ^2/NDF: 12.5/20

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.002+/-0.009 χ^2/NDF: 10.8/24

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

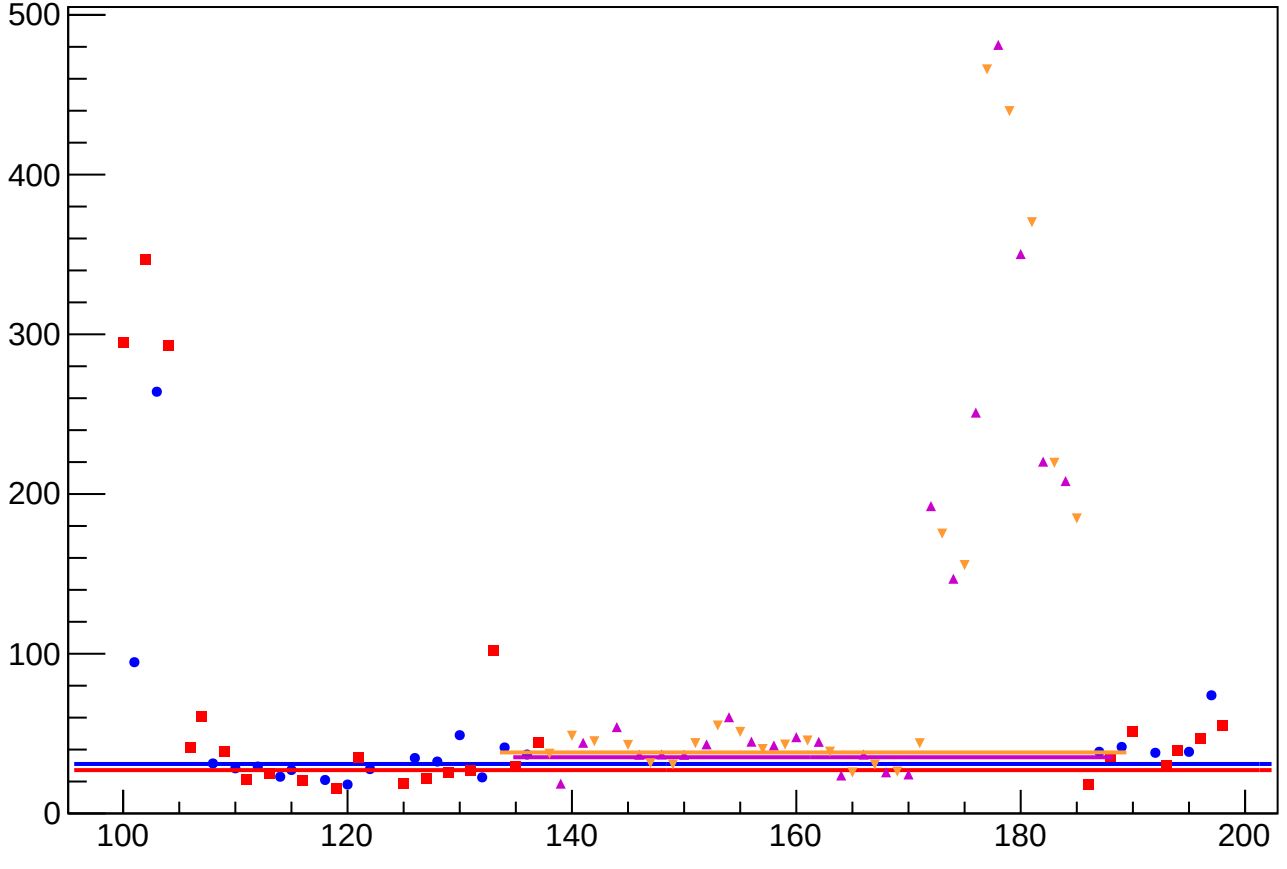
Right: -0.007+/-0.007 χ^2/NDF: 24.0/45

In: -0.012+/-0.008 χ^2/NDF:36.2/43

Out: 0.007+/-0.007 χ^2/NDF:48.9/48

All: -0.002+/-0.005 χ^2/NDF: 88.5/92

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.978+/-0.008 χ^2/NDF: 3007066.4/20

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 27.130+/-0.007 χ^2/NDF: 4225631.9/24

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

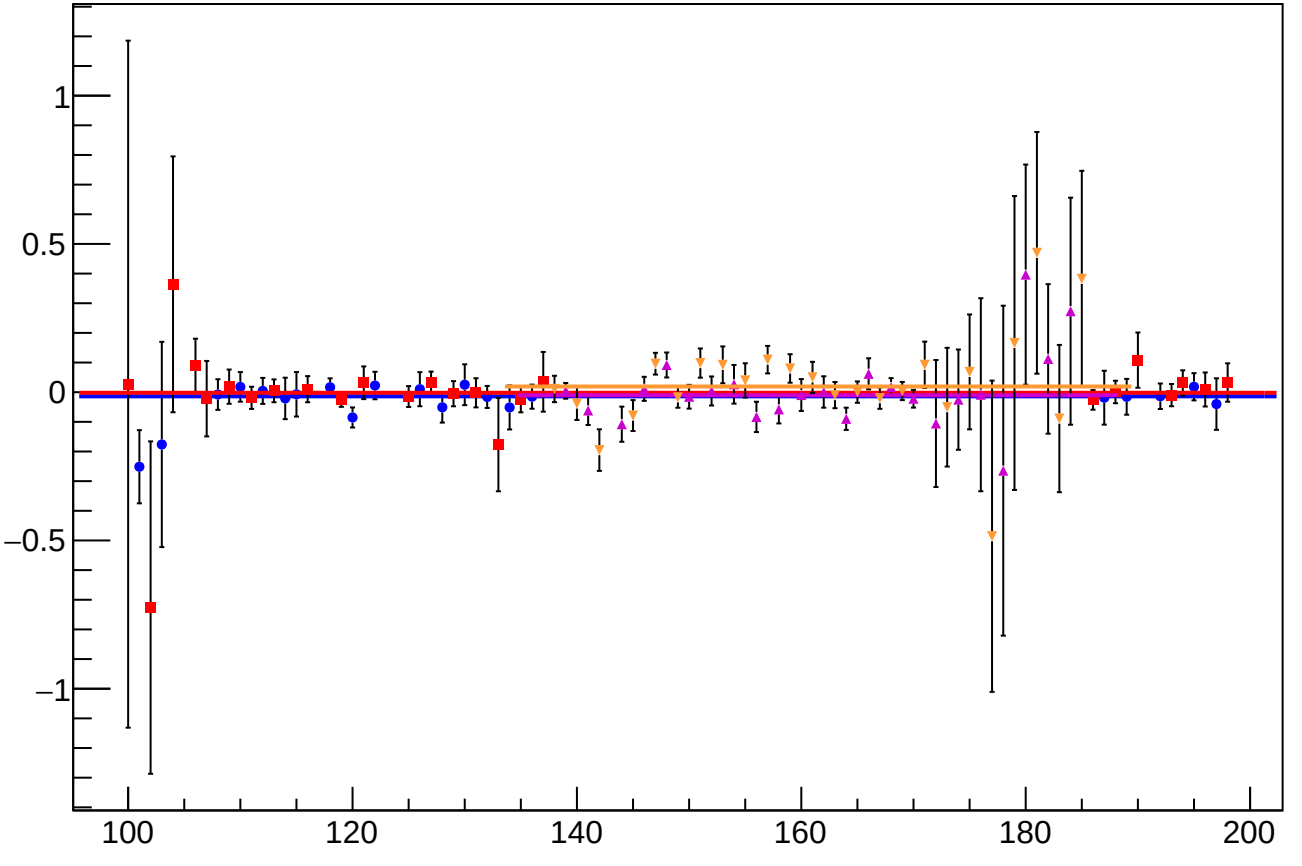
Right: 28.752+/-0.005 χ^2/NDF: 7372172.5/45

In: 33.247+/-0.005 χ^2/NDF:12554368.7/43

Out: 31.936+/-0.005 χ^2/NDF:13701243.6/48

All: 32.555+/-0.004 χ^2/NDF: 26287639.5/92

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.011 χ^2/NDF: 12.5/20

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.002+/-0.009 χ^2/NDF: 10.8/24

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

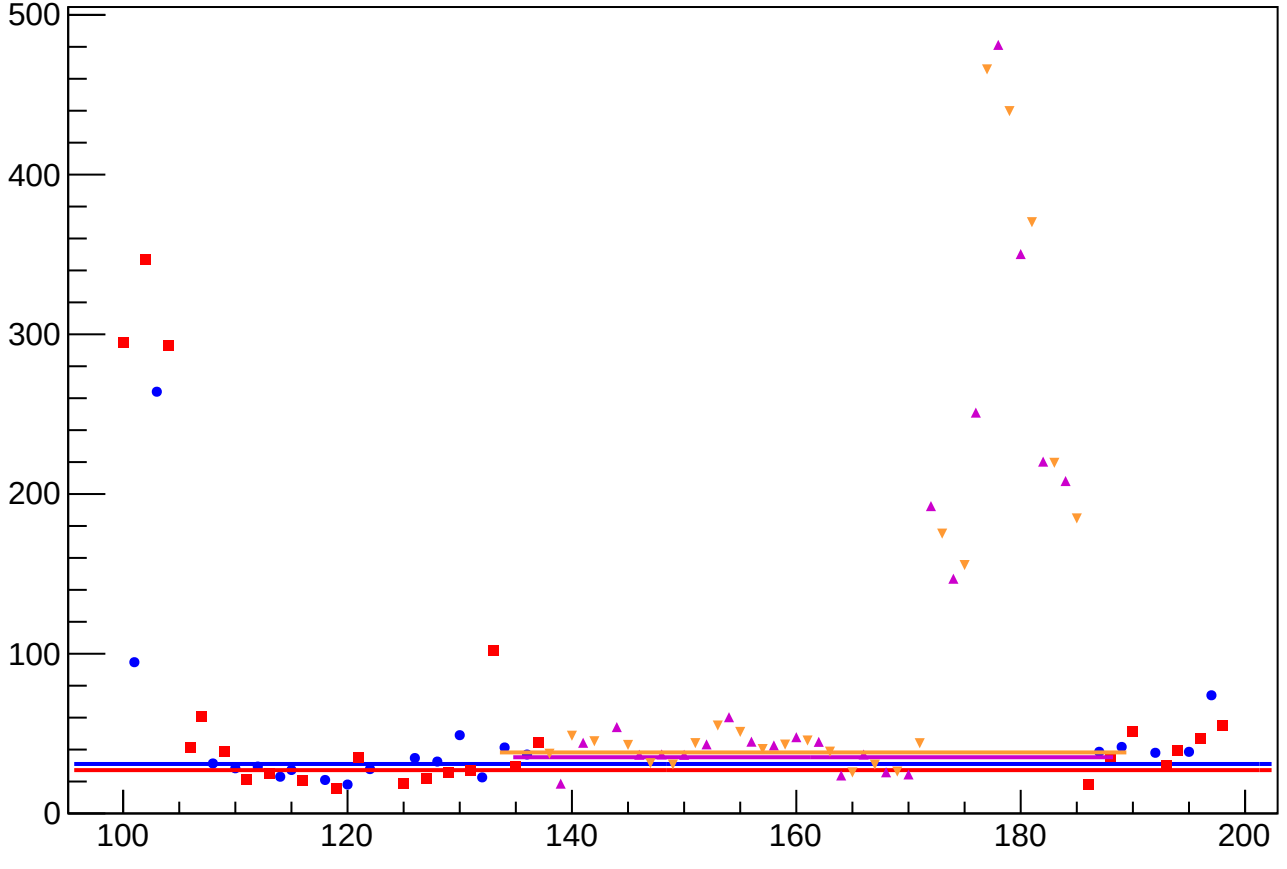
Right: -0.007+/-0.007 χ^2/NDF: 24.0/45

In: -0.012+/-0.008 χ^2/NDF:36.2/43

Out: 0.007+/-0.007 χ^2/NDF:48.9/48

All: -0.002+/-0.005 χ^2/NDF: 88.5/92

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.978+/-0.008 χ^2/NDF: 3007066.4/20

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 27.130+/-0.007 χ^2/NDF: 4225631.9/24

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

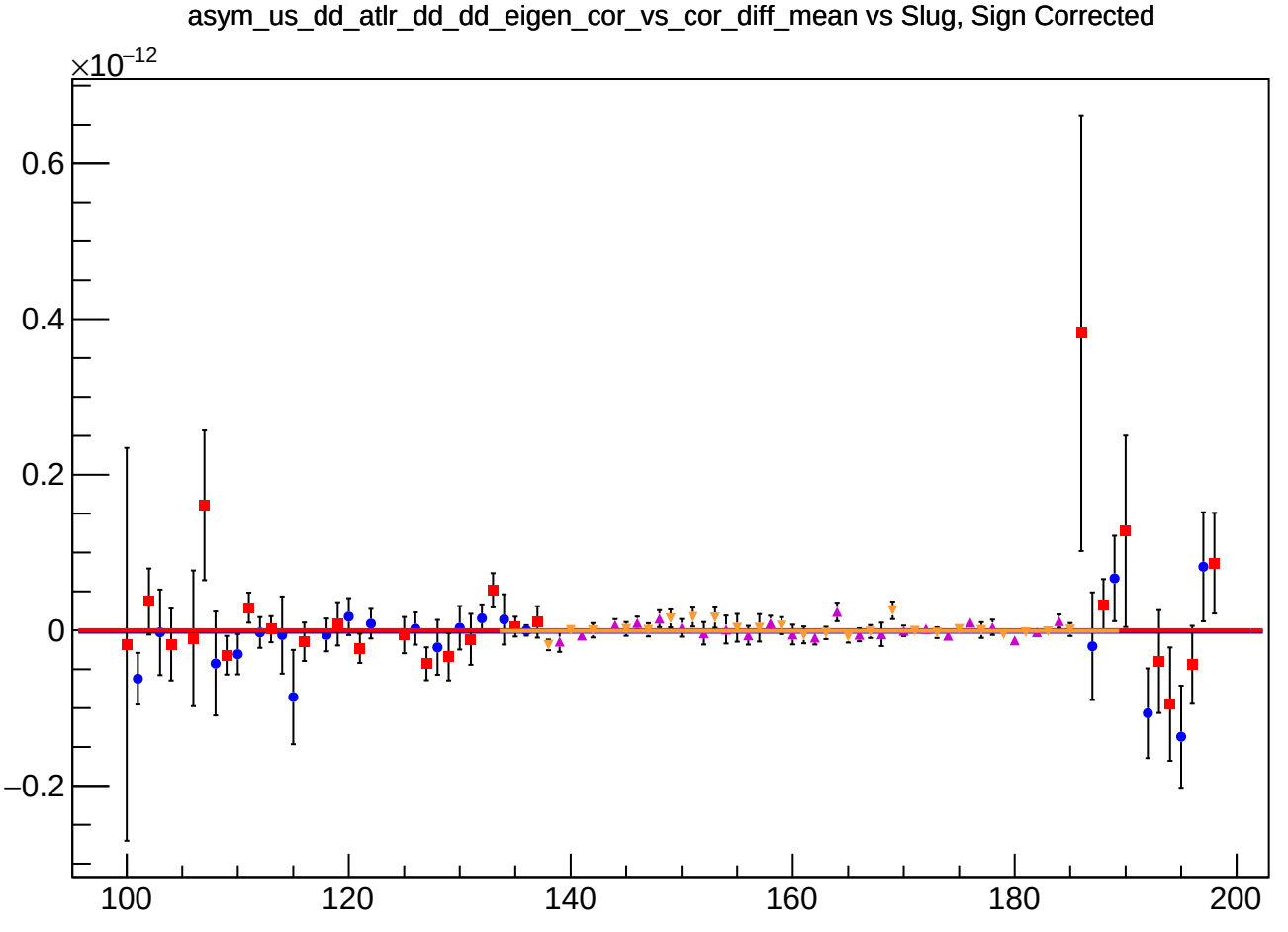
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 28.752+/-0.005 χ^2/NDF: 7372172.5/45

In: 33.247+/-0.005 χ^2/NDF:12554368.7/43

Out: 31.936+/-0.005 χ^2/NDF:13701243.6/48

All: 32.555+/-0.004 χ^2/NDF: 26287639.5/92



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 29.6/24

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

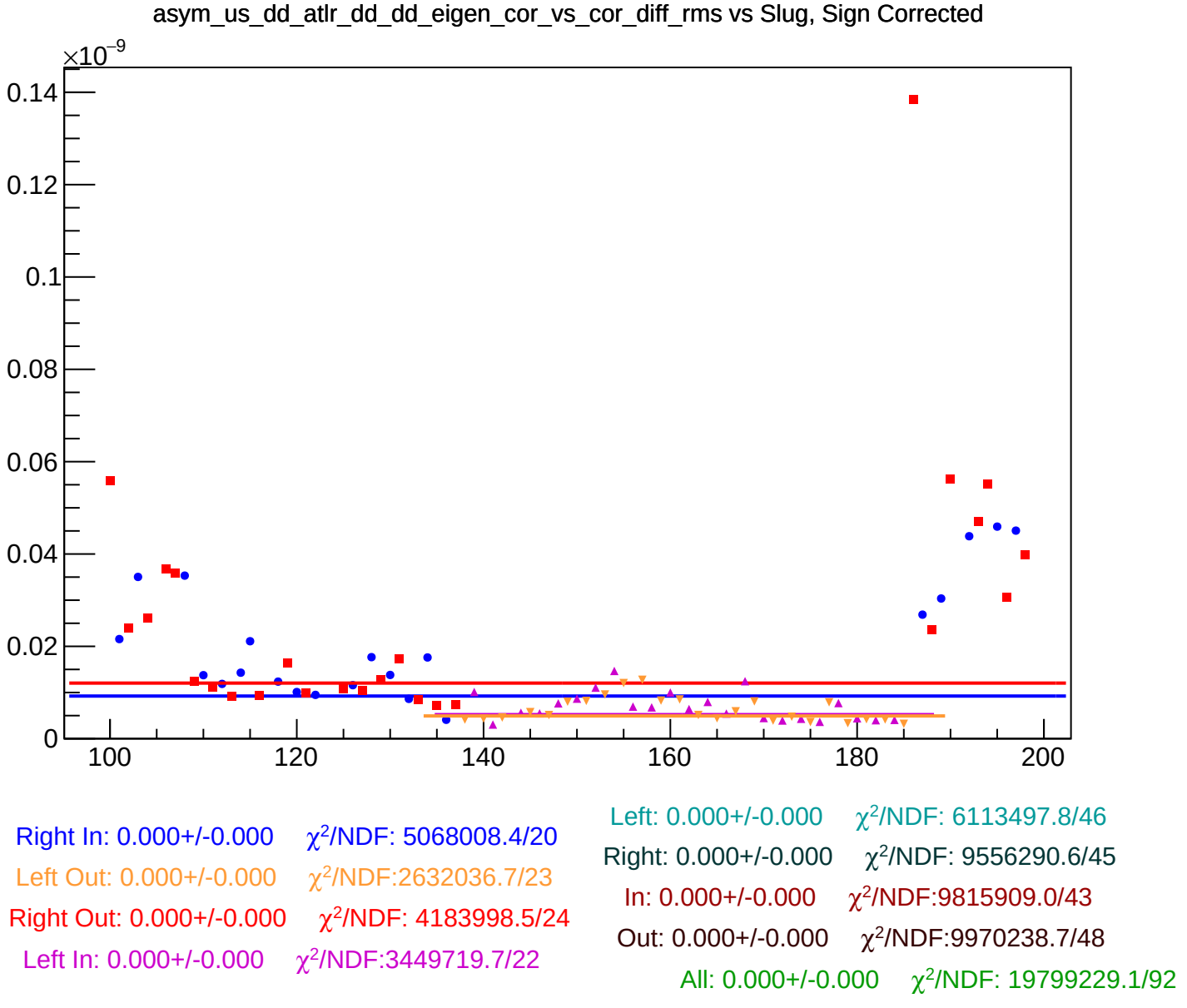
Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

Right: -0.000+/-0.000 χ^2/NDF: 49.7/45

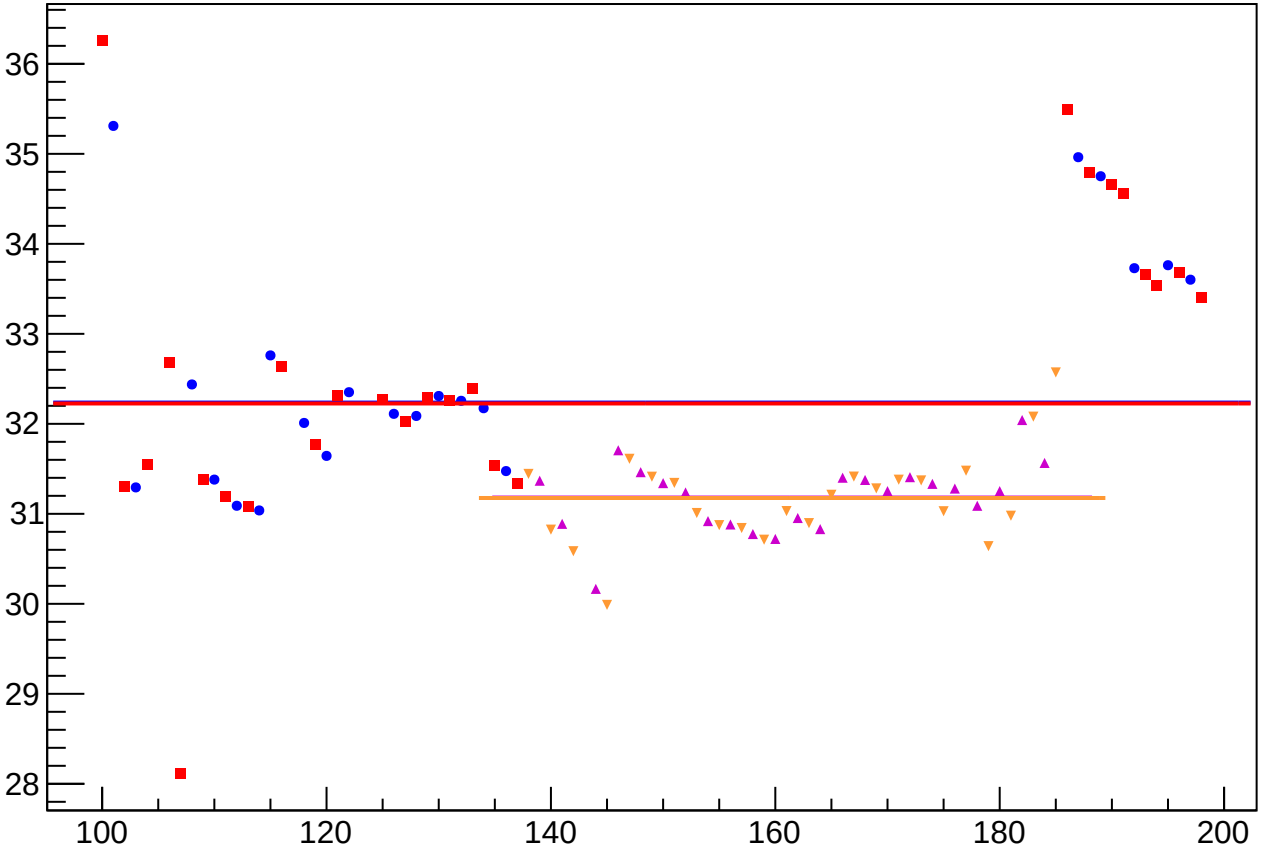
In: -0.000+/-0.000 χ^2/NDF:46.4/43

Out: -0.000+/-0.000 χ^2/NDF:50.8/48

All: -0.000+/-0.000 χ^2/NDF: 97.1/92


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: 5068008.4/20
Left Out: 0.000+/-0.000 χ²/NDF:2632036.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 4183998.5/24
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: 9556290.6/45
In: 0.000+/-0.000 χ²/NDF:9815909.0/43
Out: 0.000+/-0.000 χ²/NDF:9970238.7/48
All: 0.000+/-0.000 χ²/NDF: 19799229.1/92

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.236+/-0.000 χ^2/NDF: 1418271945.7/20

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.226+/-0.000 χ^2/NDF: 1572635785.7/25

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

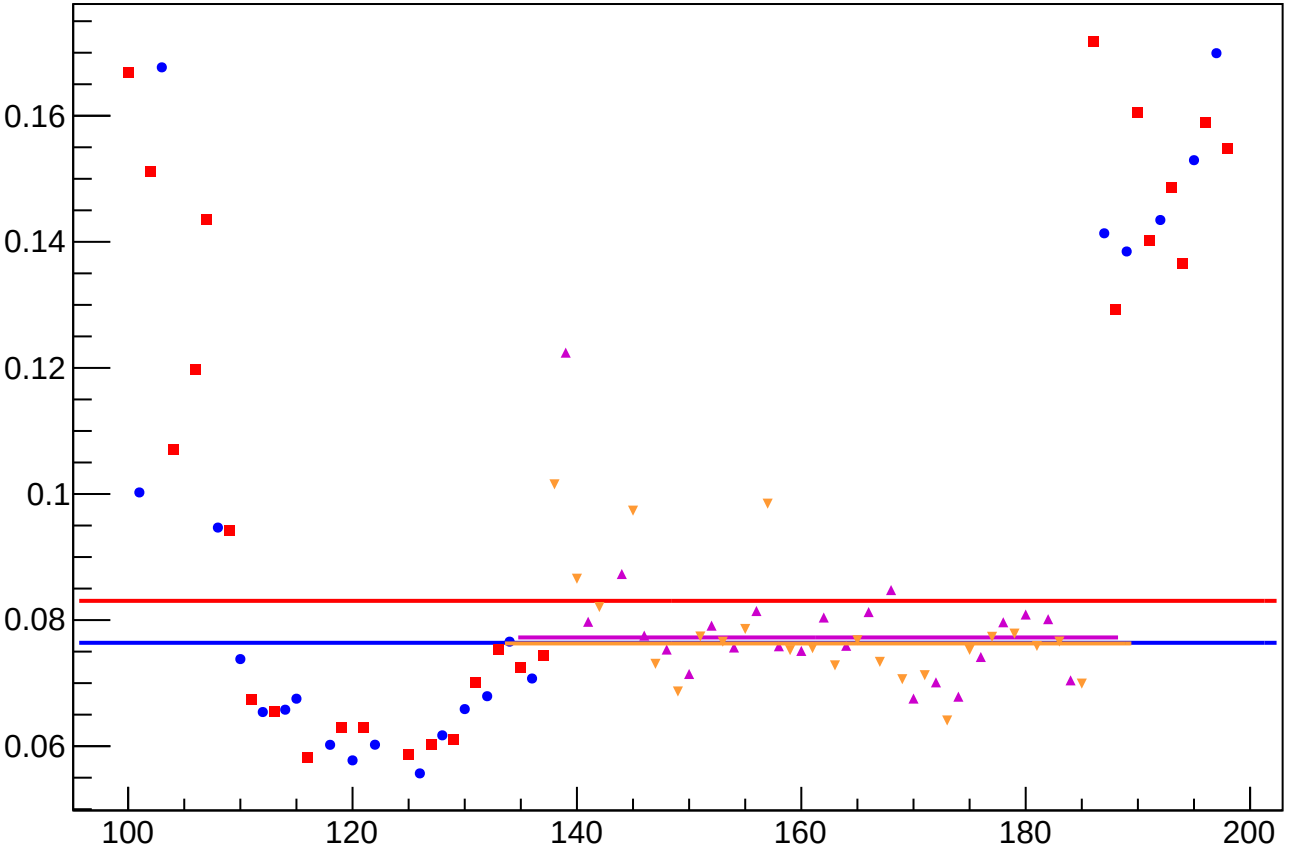
Right: 32.231+/-0.000 χ^2/NDF: 2990983782.0/46

In: 31.549+/-0.000 χ^2/NDF:2870512943.5/43

Out: 31.533+/-0.000 χ^2/NDF:3182821821.4/49

All: 31.541+/-0.000 χ^2/NDF: 6053857911.0/9

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.076+/-0.000 χ^2/NDF: 2479692.4/20

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.083+/-0.000 χ^2/NDF: 3210719.3/25

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

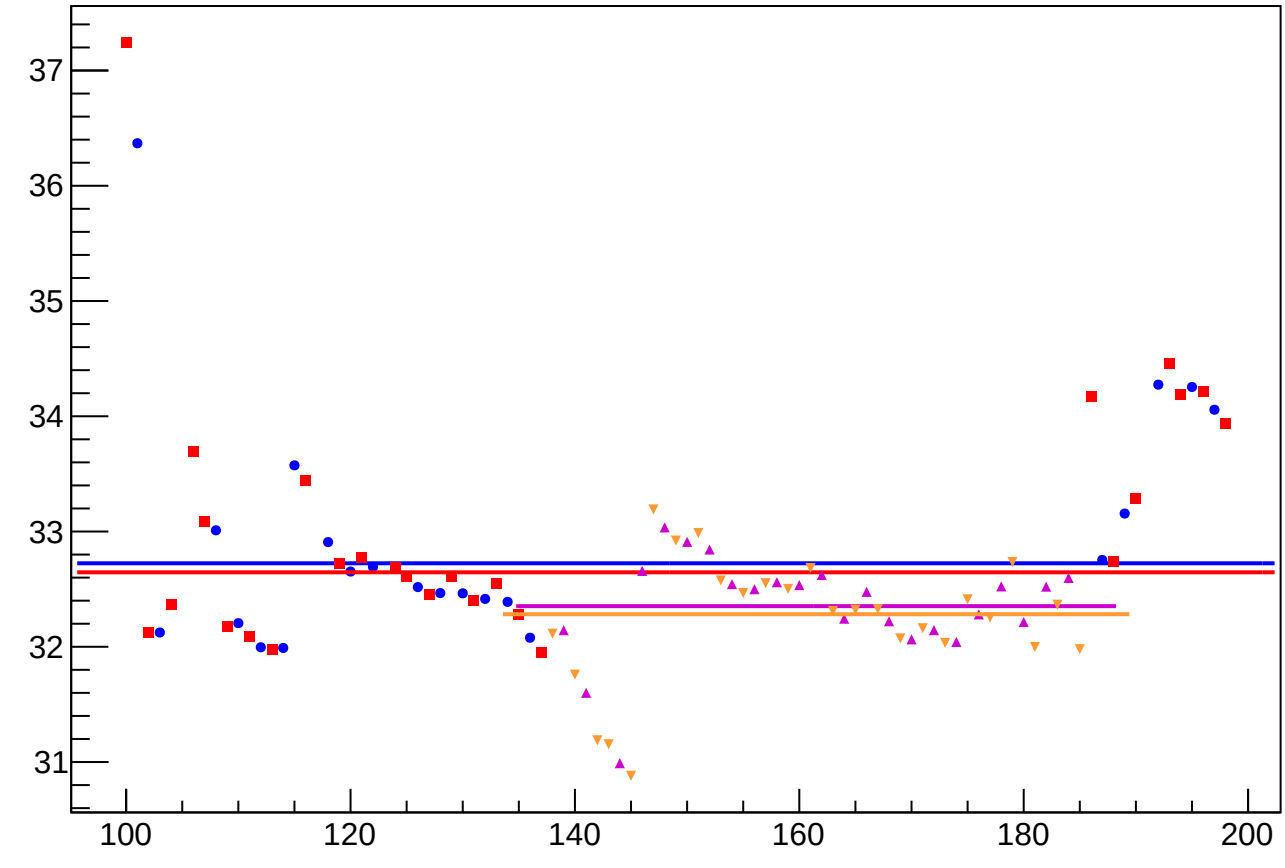
Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

Right: 0.080+/-0.000 χ^2/NDF: 5756120.8/46

In: 0.077+/-0.000 χ^2/NDF:2846292.4/43

Out: 0.079+/-0.000 χ^2/NDF:3656842.4/49

All: 0.078+/-0.000 χ^2/NDF: 6514774.6/93



Right In: 32.724+/-0.000 χ^2/NDF: 864042929.2/20

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.646+/-0.000 χ^2/NDF: 390300851.7/25

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

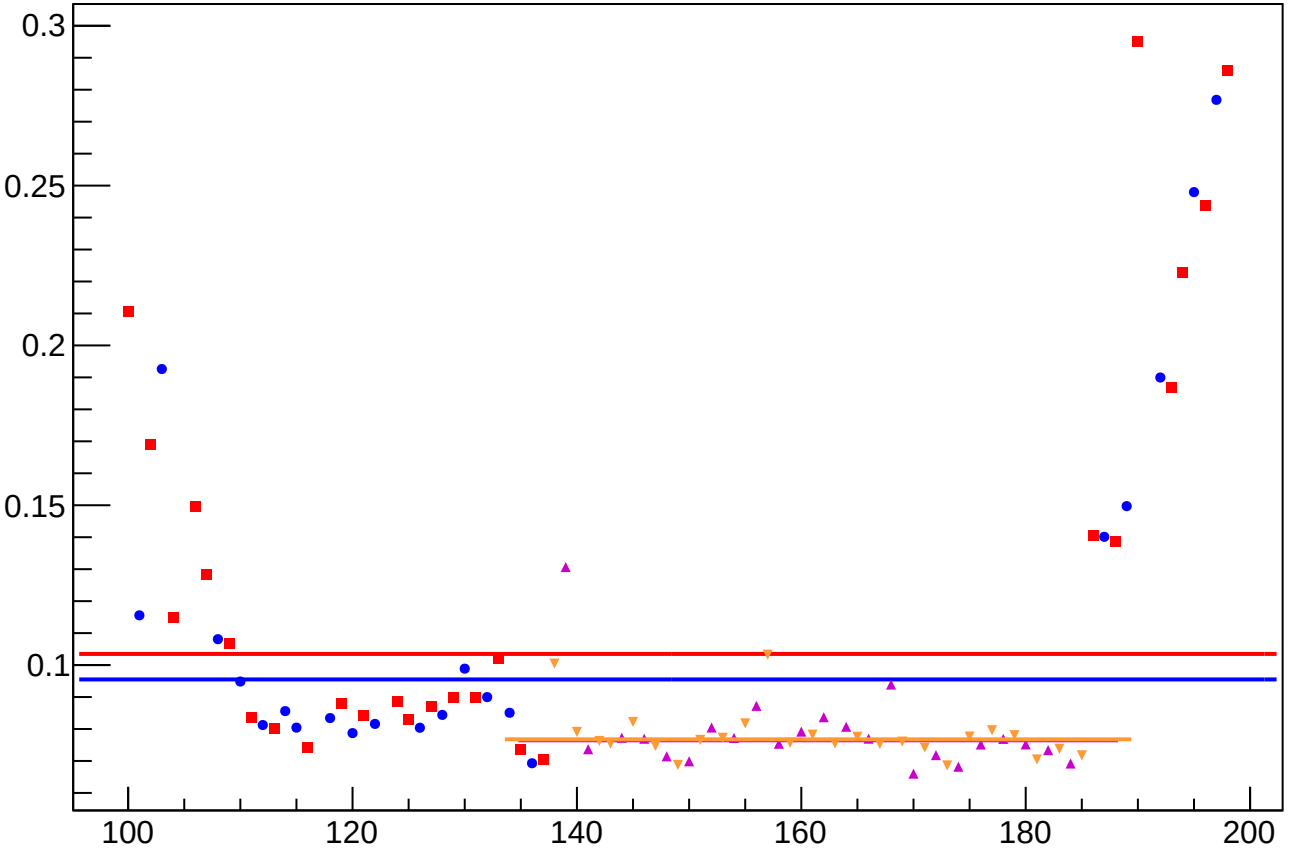
Right: 32.685+/-0.000 χ^2/NDF: 1257172545.6/46

In: 32.443+/-0.000 χ^2/NDF:1550591473.7/43

Out: 32.368+/-0.000 χ^2/NDF:1322834345.1/50

All: 32.405+/-0.000 χ^2/NDF: 2884195323.7/9

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.096+/-0.000 χ^2/NDF: 2659665.6/20

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.103+/-0.000 χ^2/NDF: 3339096.3/25

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

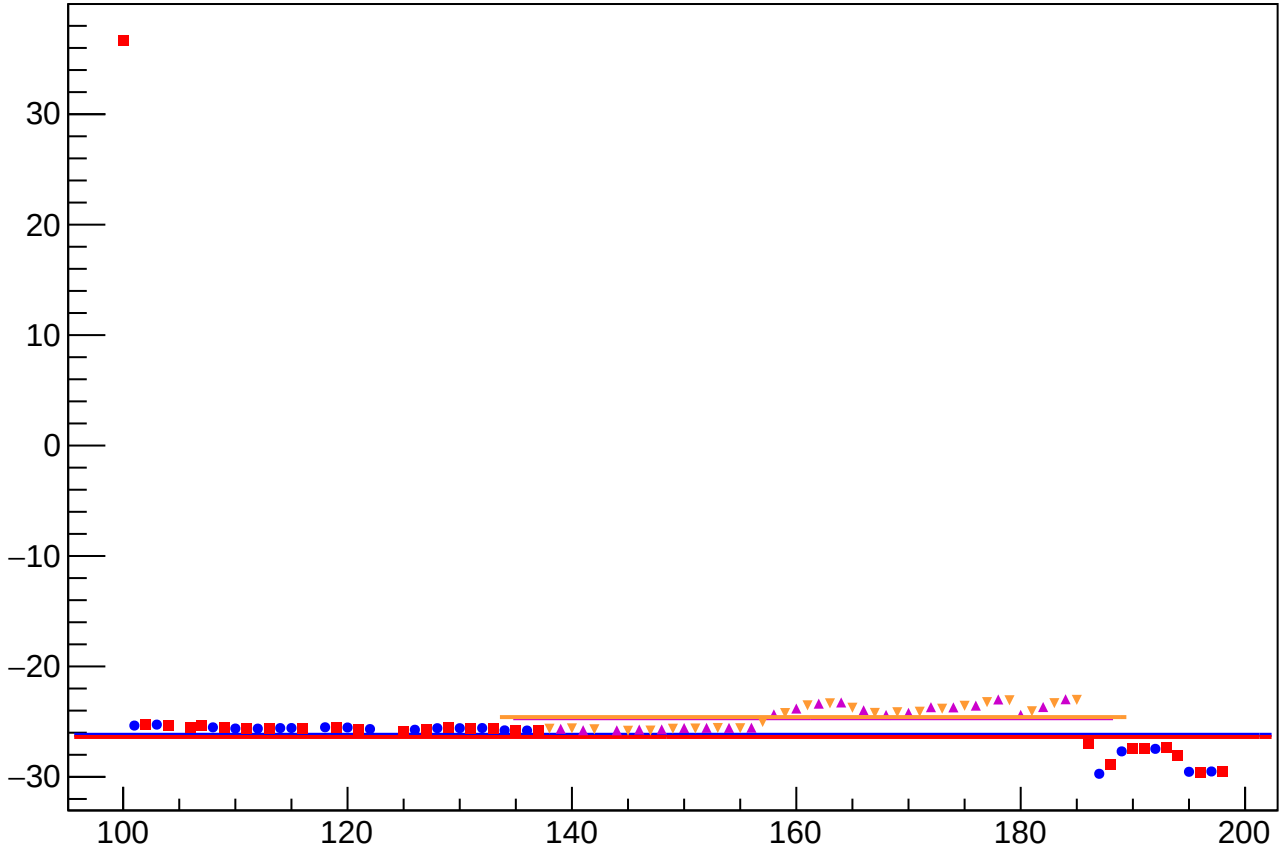
Right: 0.099+/-0.000 χ^2/NDF: 6057663.1/46

In: 0.081+/-0.000 χ^2/NDF:3648777.4/43

Out: 0.083+/-0.000 χ^2/NDF:4599526.9/50

All: 0.082+/-0.000 χ^2/NDF: 8263392.0/94

yield_dsl_mean vs Slug, Sign Corrected



Right In: -26.189+/-0.000 χ^2/NDF: 8509678597.9/20

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -26.385+/-0.000 χ^2/NDF: 19821090383.8/25

Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

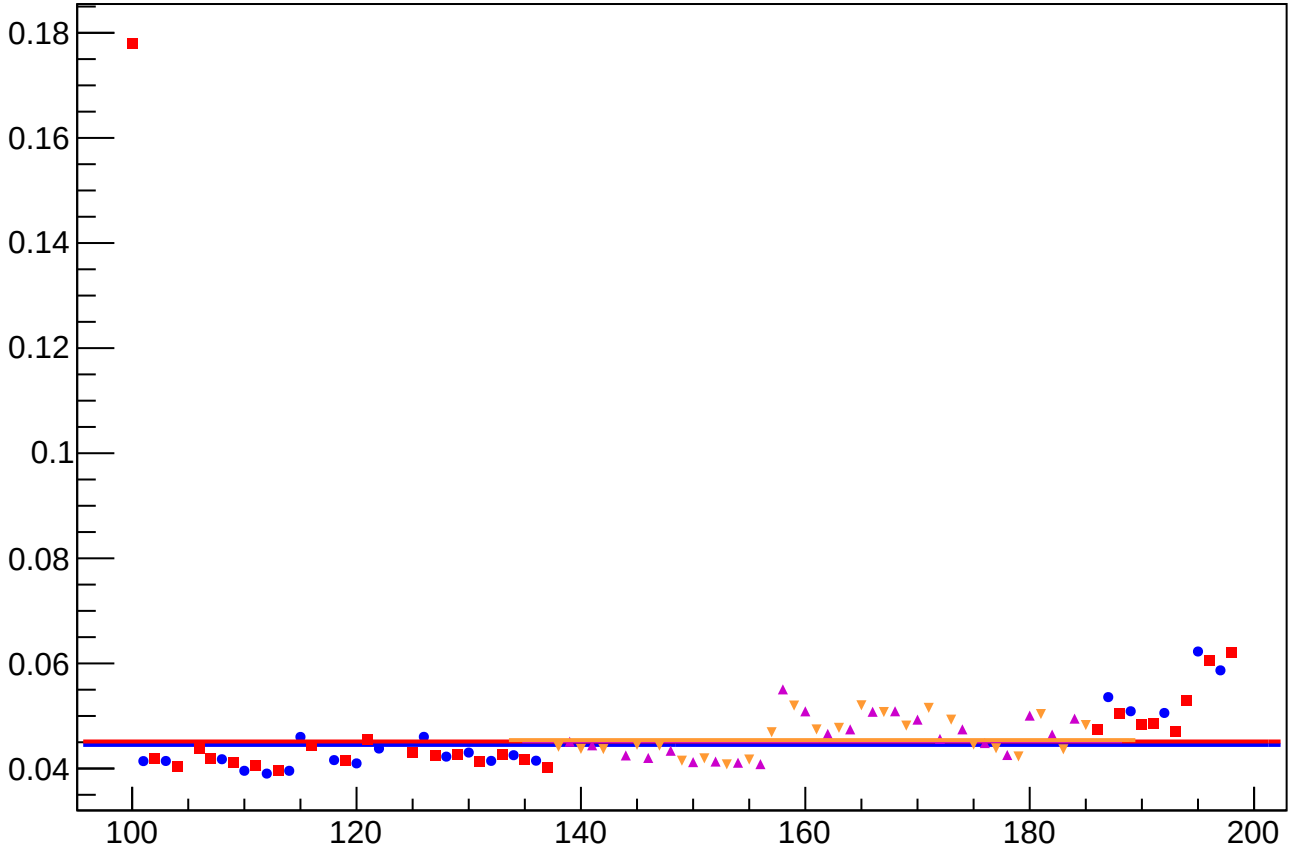
Right: -26.294+/-0.000 χ^2/NDF: 28438141266.1/46

In: -25.249+/-0.000 χ^2/NDF:24659688209.2/43

Out: -25.320+/-0.000 χ^2/NDF:40506480605.1/49

All: -25.286+/-0.000 χ^2/NDF: 65201508137.6

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 368428.6/20

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.045+/-0.000 χ^2/NDF: 478866.5/25

Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

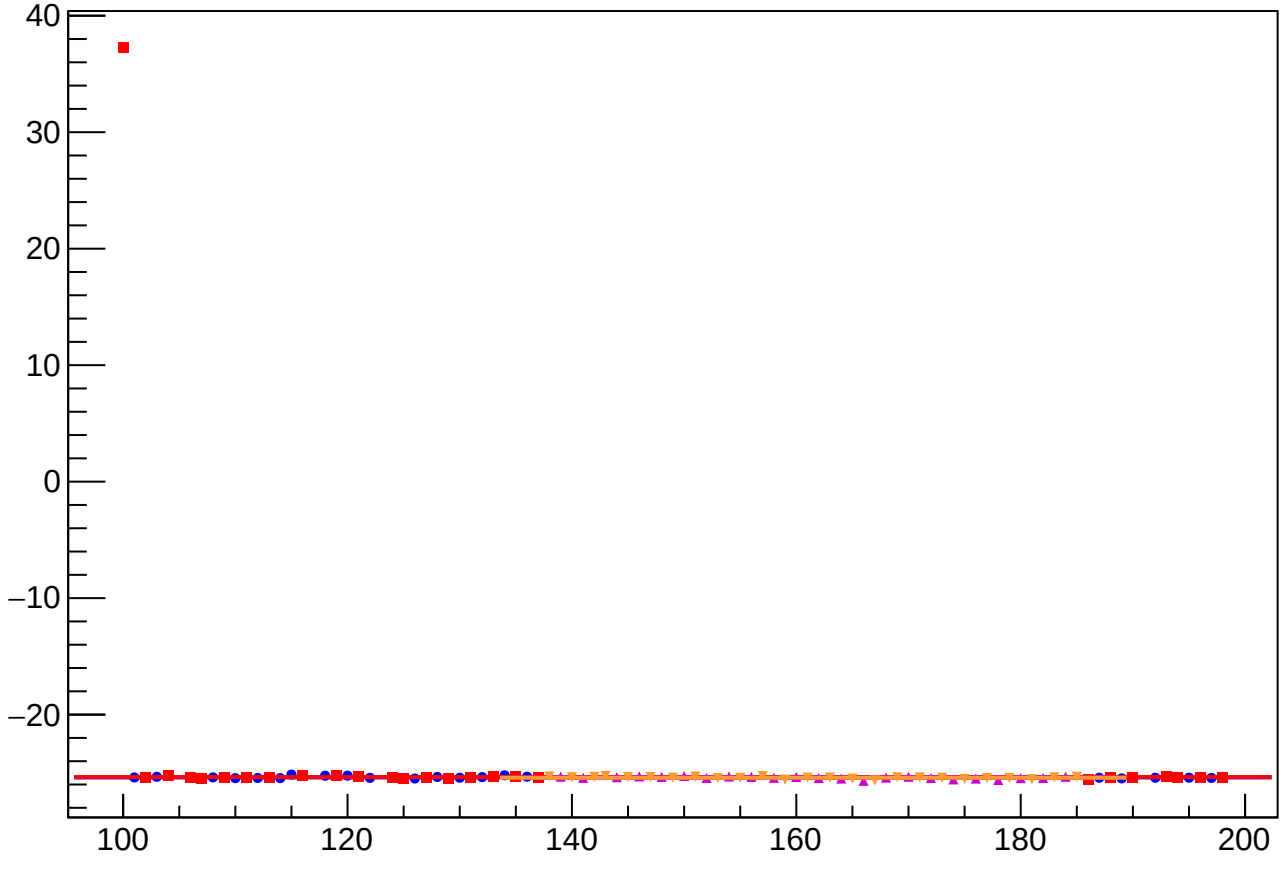
Right: 0.045+/-0.000 χ^2/NDF: 849622.9/46

In: 0.045+/-0.000 χ^2/NDF:616352.1/43

Out: 0.045+/-0.000 χ^2/NDF:684882.3/49

All: 0.045+/-0.000 χ^2/NDF: 1303068.4/93

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.389+/-0.000 χ^2/NDF: 18129968.2/20

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.365+/-0.000 χ^2/NDF: 6329132131.0/25

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

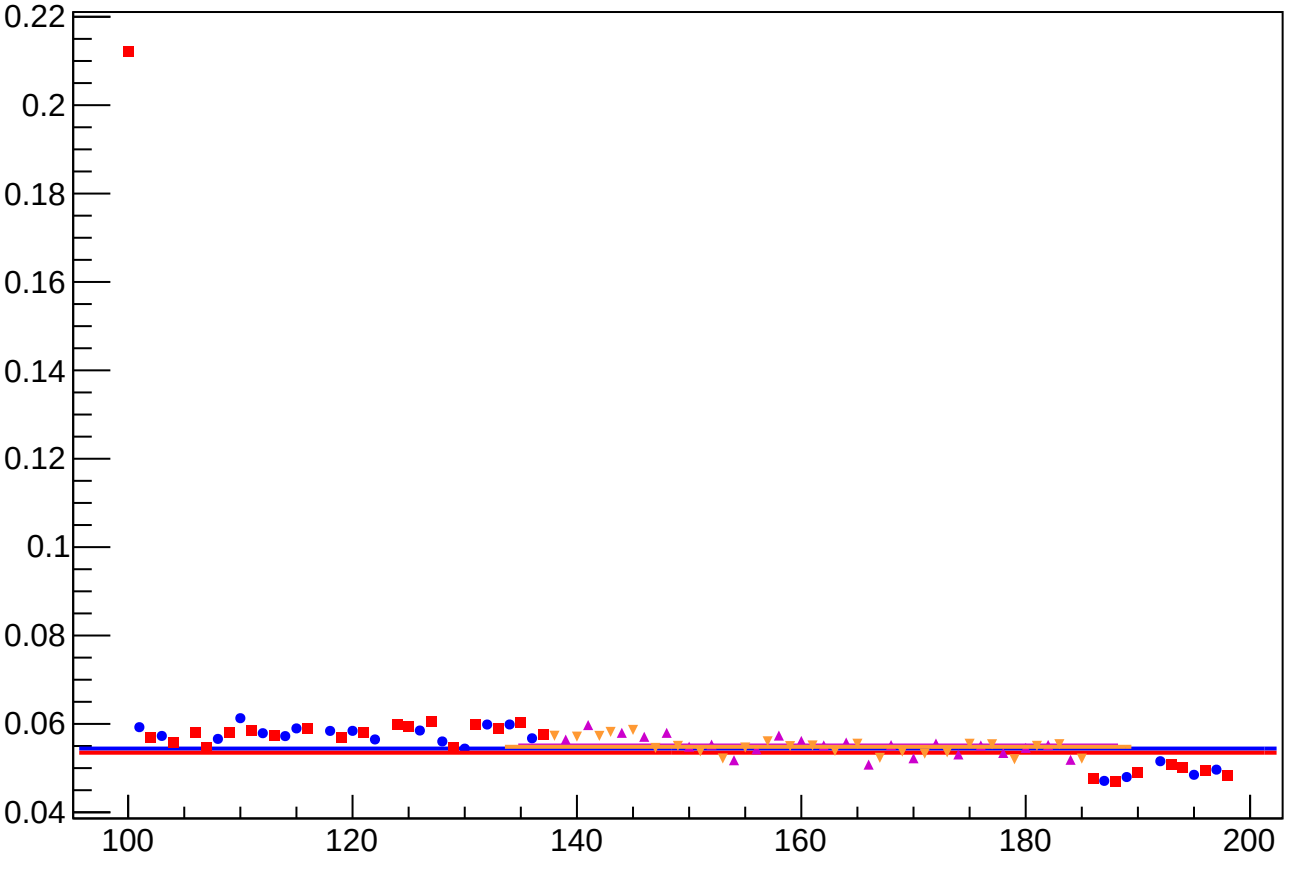
Right: -25.376+/-0.000 χ^2/NDF: 6348299275.8/46

In: -25.405+/-0.000 χ^2/NDF:75396517.6/43

Out: -25.396+/-0.000 χ^2/NDF:6387997567.2/50

All: -25.400+/-0.000 χ^2/NDF: 6463769741.1/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.054+/-0.000 χ^2/NDF: 131707.0/20

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.053+/-0.000 χ^2/NDF: 273623.6/25

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

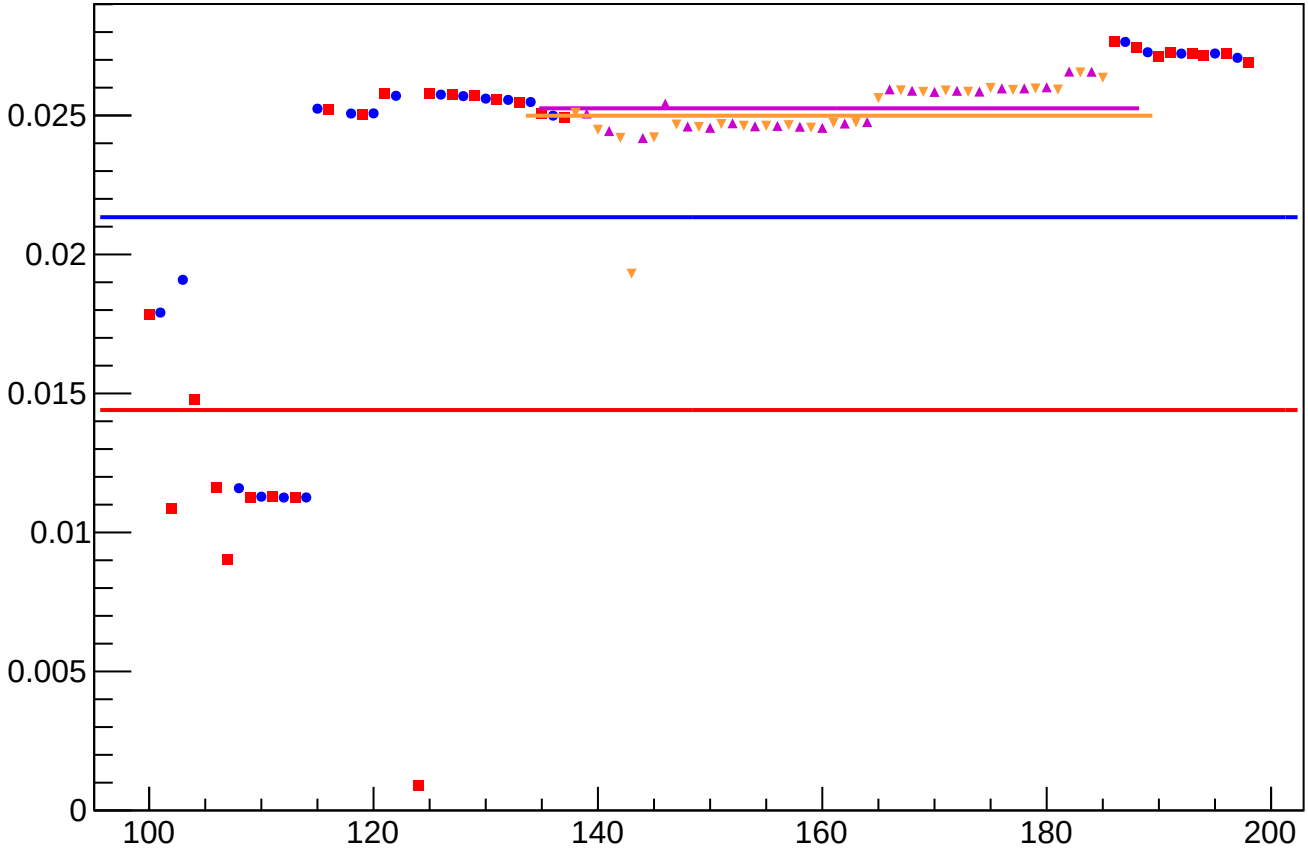
Right: 0.054+/-0.000 χ^2/NDF: 408692.1/46

In: 0.055+/-0.000 χ^2/NDF:185308.8/43

Out: 0.054+/-0.000 χ^2/NDF:320754.7/50

All: 0.055+/-0.000 χ^2/NDF: 509309.4/94

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 78455452161.6/20

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.014+/-0.000 χ^2/NDF: 371900407730.4/26

Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

Left: 0.025+/-0.000 χ^2/NDF: 9897726075.2/47

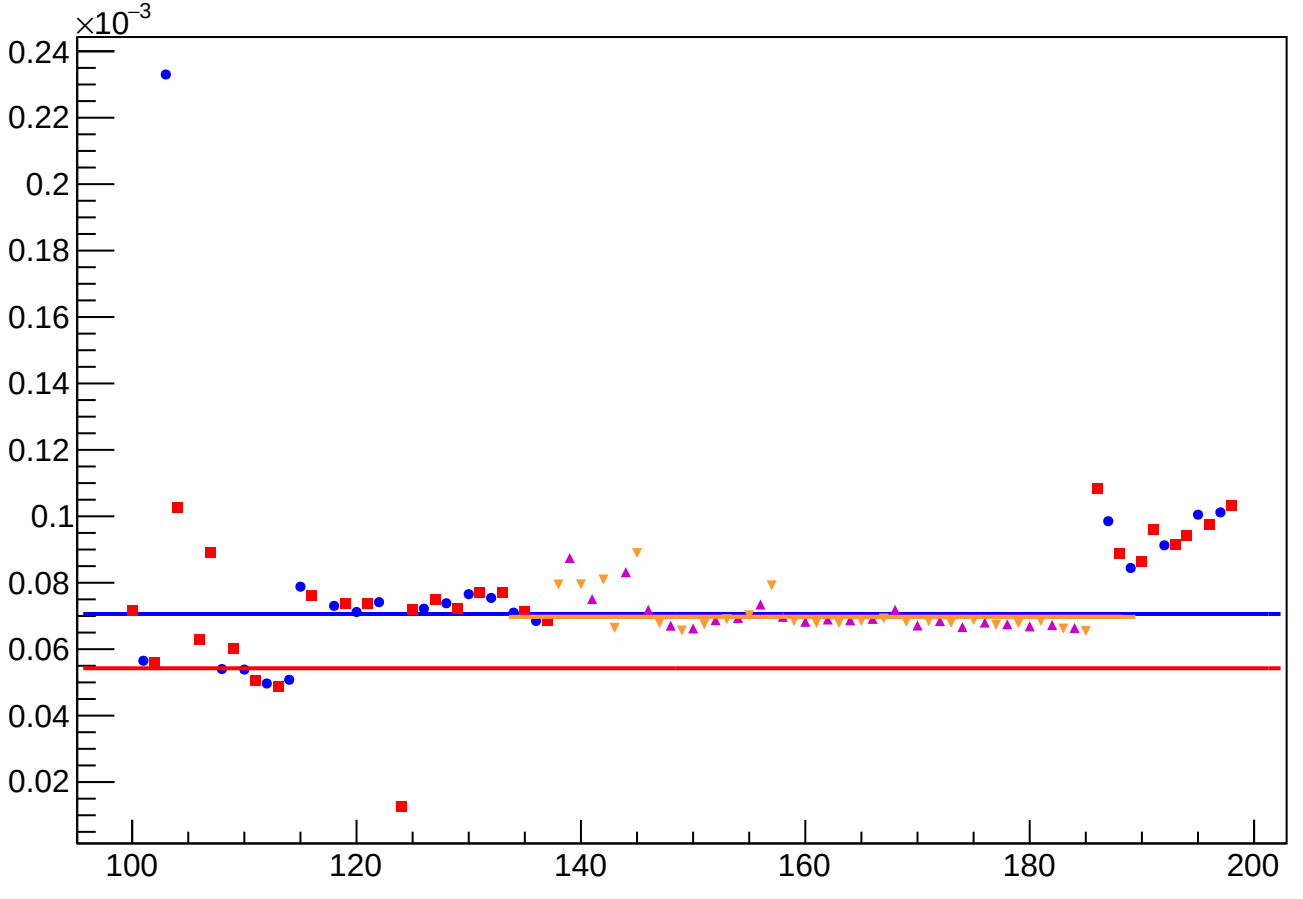
Right: 0.017+/-0.000 χ^2/NDF: 507619888650.1/47

In: 0.024+/-0.000 χ^2/NDF:99760395163.3/43

Out: 0.020+/-0.000 χ^2/NDF:573414764697.3/51

All: 0.022+/-0.000 χ^2/NDF: 713862654348.2

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1376583.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6160215.5/26

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

Left: 0.000+/-0.000 χ^2/NDF: 340709.7/47

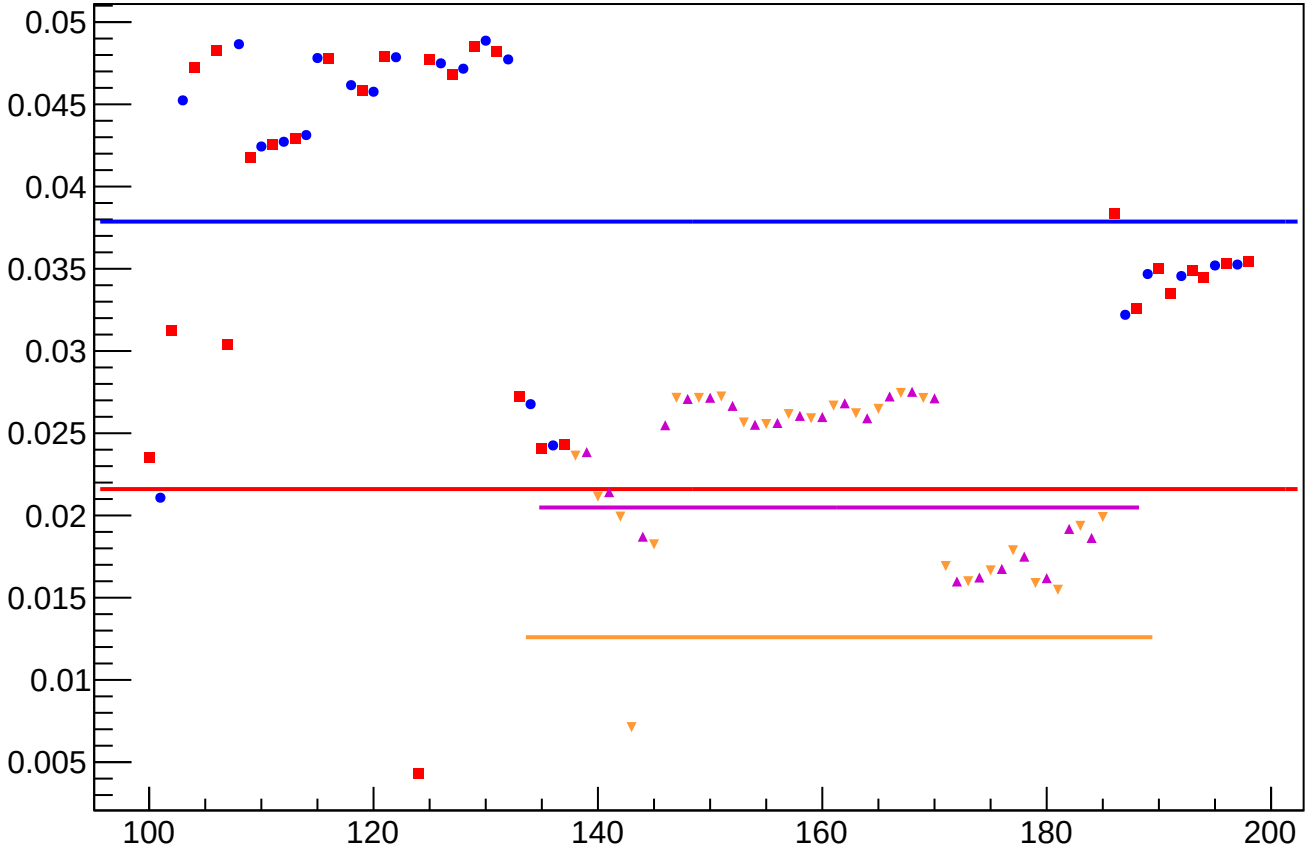
Right: 0.000+/-0.000 χ^2/NDF: 8172656.0/47

In: 0.000+/-0.000 χ^2/NDF:1530351.2/43

Out: 0.000+/-0.000 χ^2/NDF:7175630.0/51

All: 0.000+/-0.000 χ^2/NDF: 9033914.8/95

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7201019263.2/20

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.022+/-0.000 χ^2/NDF: 44918658831.7/26

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

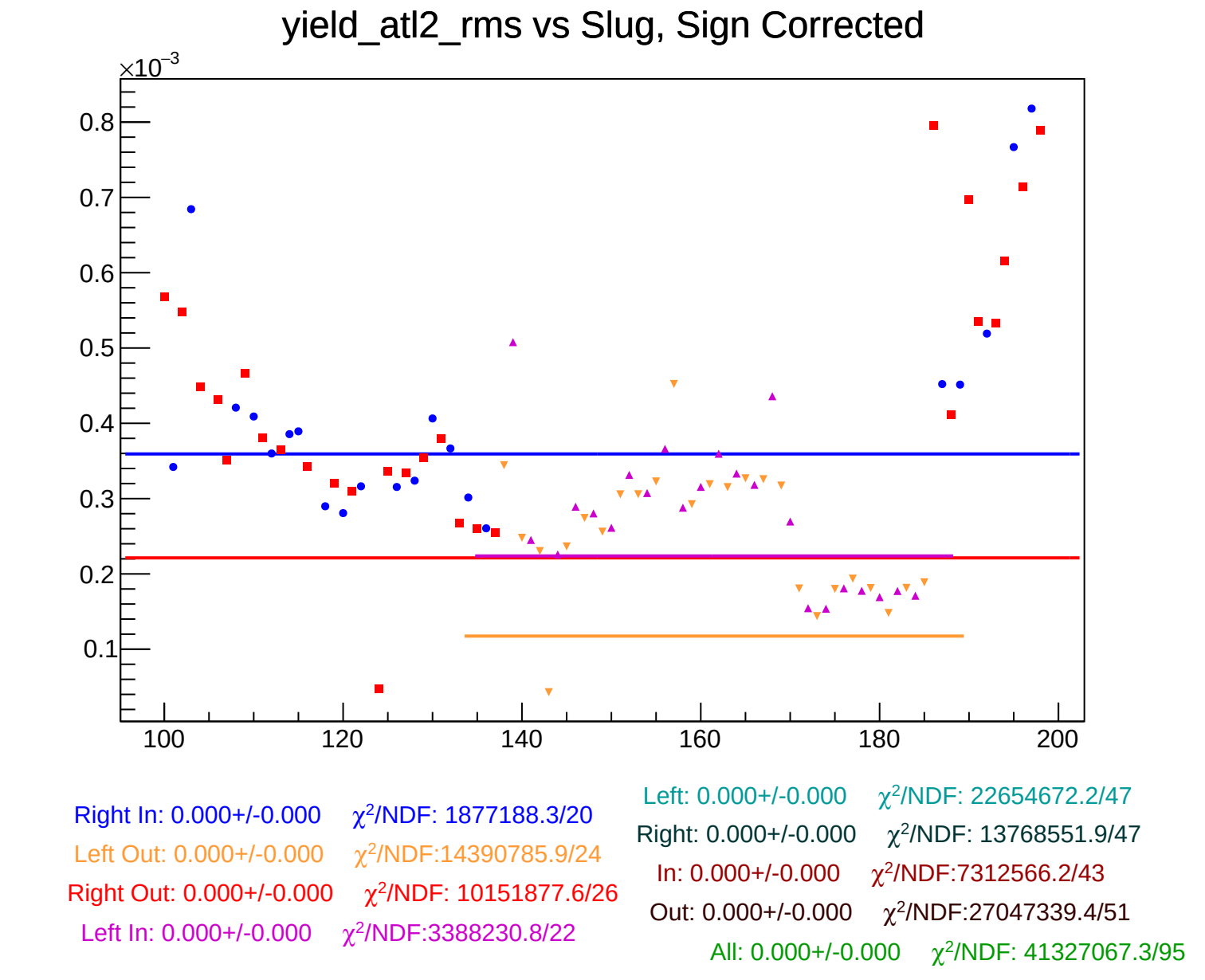
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.027+/-0.000 χ^2/NDF: 64197039752.1/47

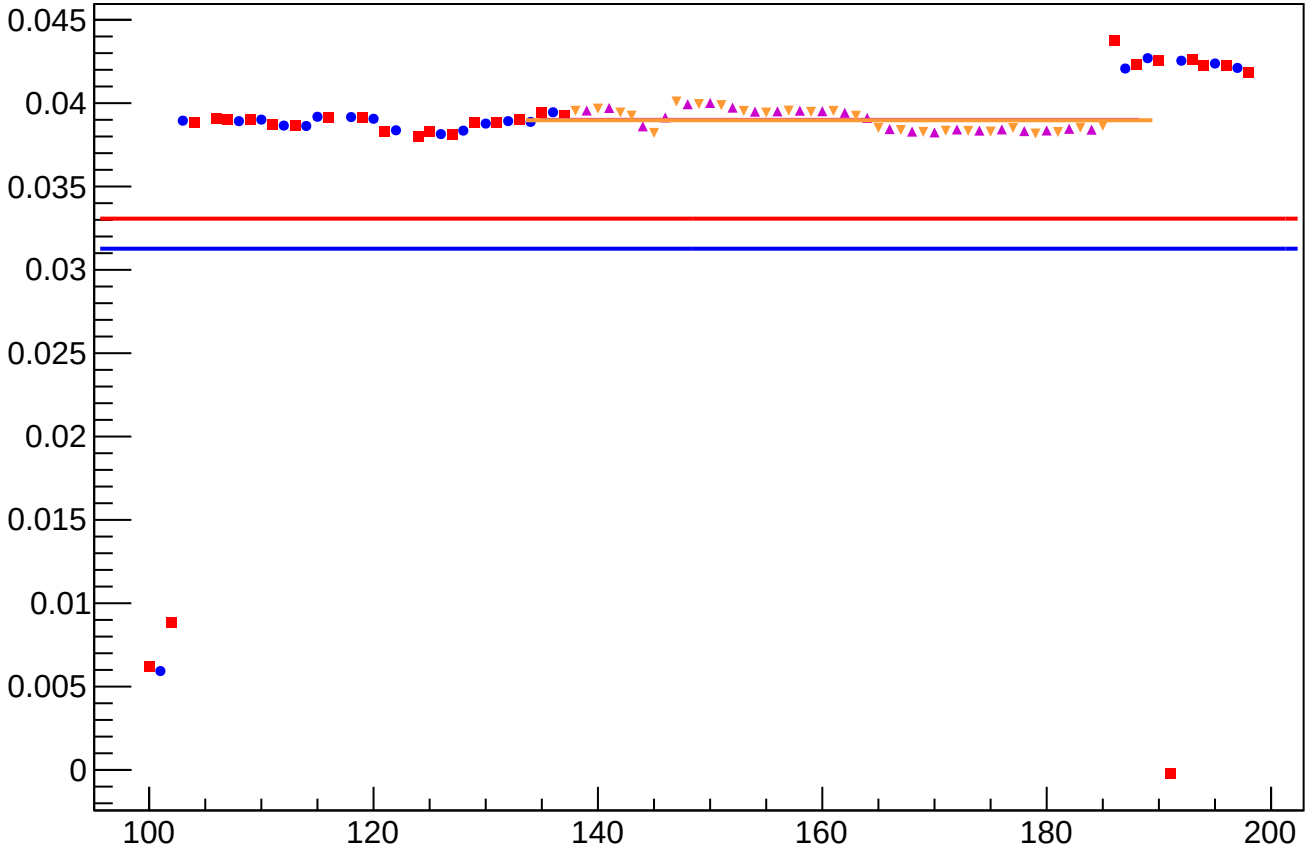
In: 0.024+/-0.000 χ^2/NDF:30154288634.5/43

Out: 0.014+/-0.000 χ^2/NDF:91676457773.7/51

All: 0.017+/-0.000 χ^2/NDF: 146492580771.7


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: 1877188.3/20
Left Out: 0.000+/-0.000 χ²/NDF:14390785.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 10151877.6/26
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: 13768551.9/47
In: 0.000+/-0.000 χ²/NDF:7312566.2/43
Out: 0.000+/-0.000 χ²/NDF:27047339.4/51
All: 0.000+/-0.000 χ²/NDF: 41327067.3/95

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000 χ^2/NDF: 116468745257.9/20

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.033+/-0.000 χ^2/NDF: 112124810634.0/26

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

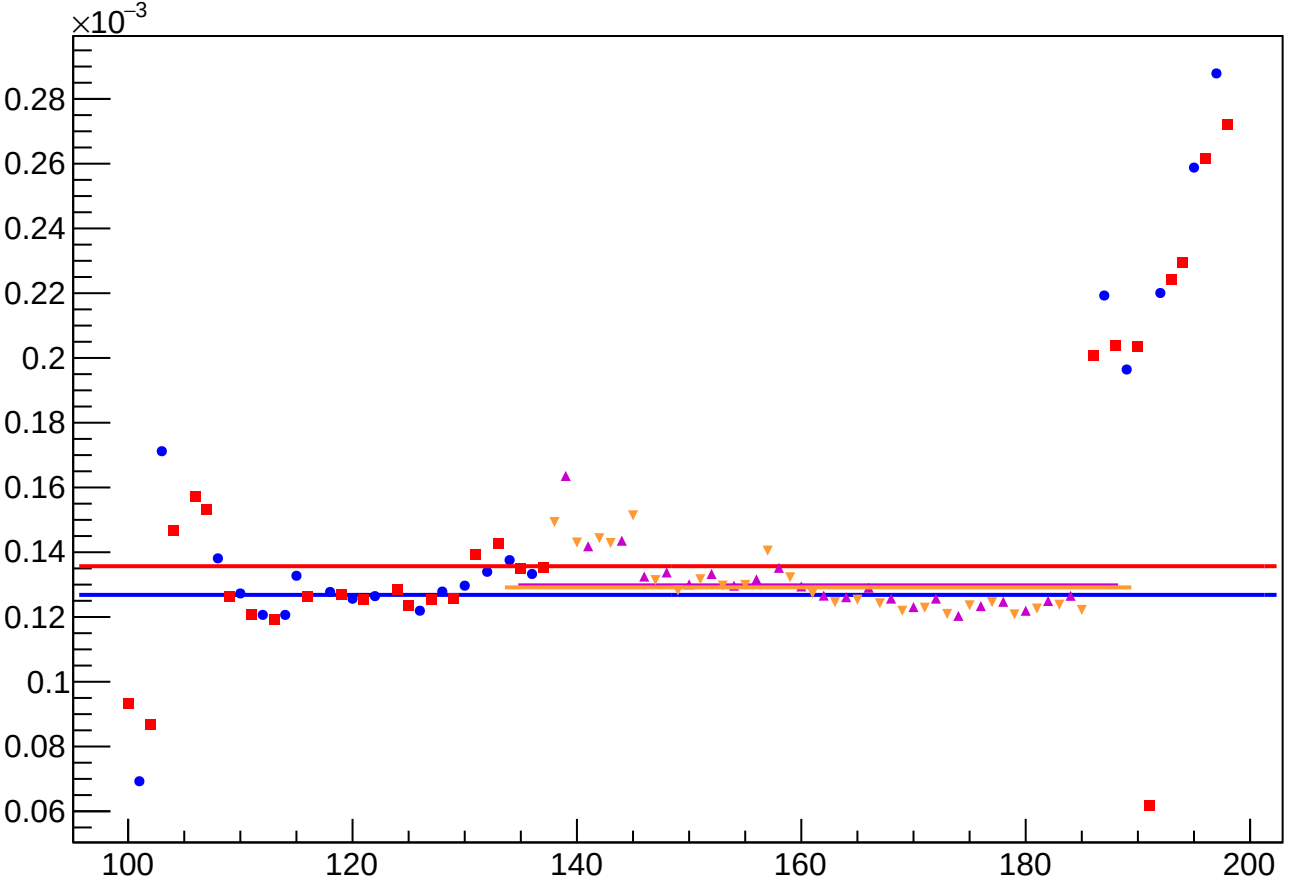
Right: 0.032+/-0.000 χ^2/NDF: 229533668631.3/47

In: 0.036+/-0.000 χ^2/NDF:138917432550.2/43

Out: 0.037+/-0.000 χ^2/NDF:126115890166.7/51

All: 0.037+/-0.000 χ^2/NDF: 265376936828.5

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2466933.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2583427.3/26

Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

Left: 0.000+/-0.000 χ^2/NDF: 299820.4/47

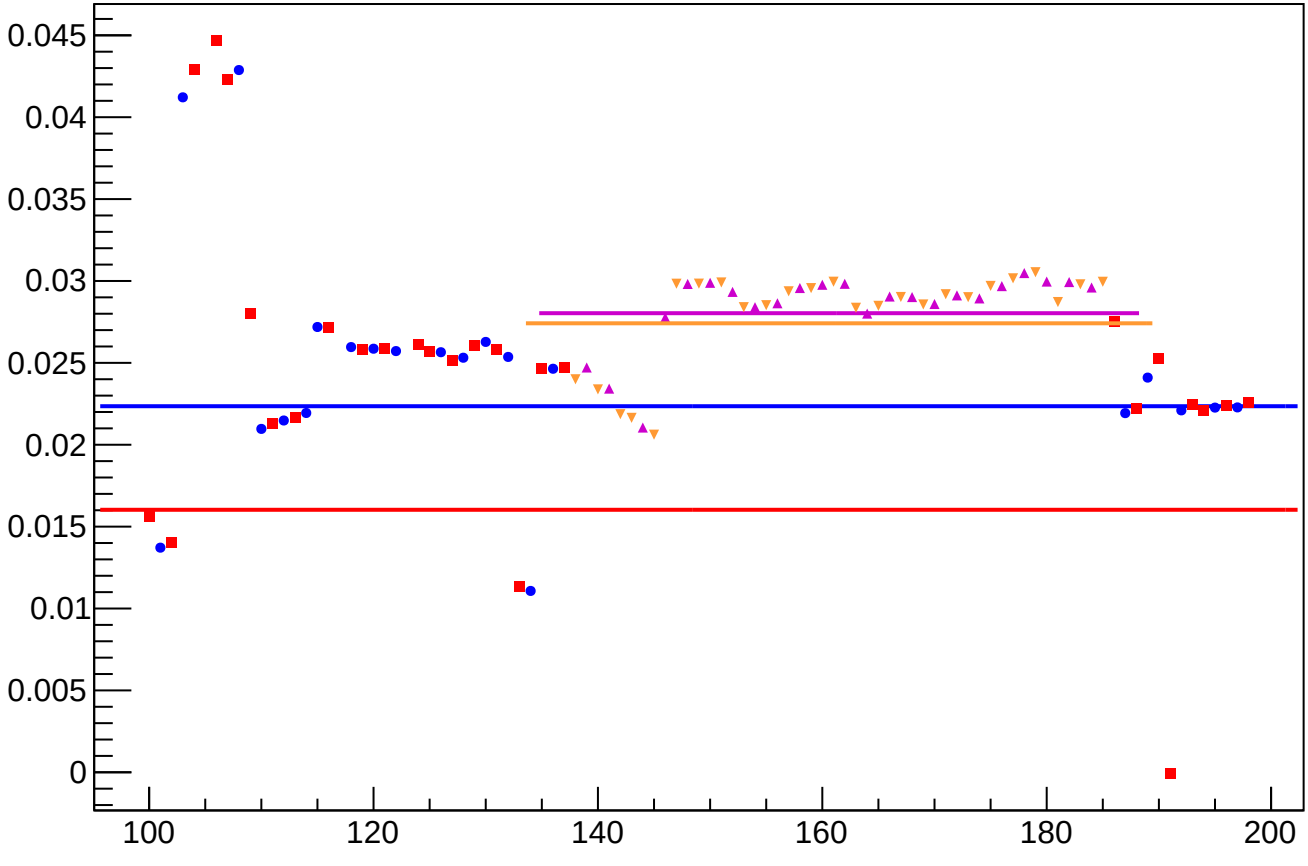
Right: 0.000+/-0.000 χ^2/NDF: 5095688.0/47

In: 0.000+/-0.000 χ^2/NDF:2615147.7/43

Out: 0.000+/-0.000 χ^2/NDF:2774194.5/51

All: 0.000+/-0.000 χ^2/NDF: 5401004.5/95

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5024458559.2/20

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.016+/-0.000 χ^2/NDF: 24987559183.8/26

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

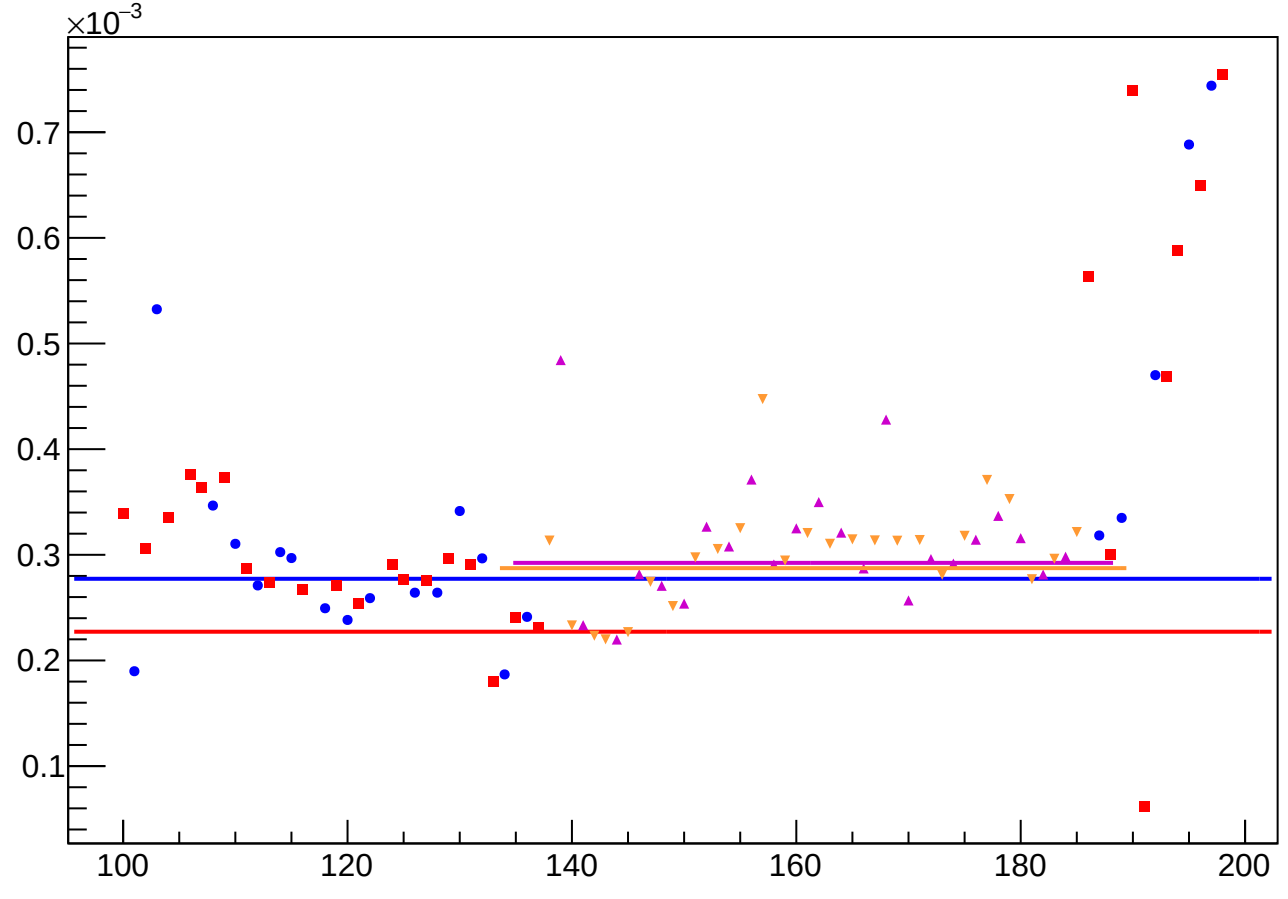
Right: 0.019+/-0.000 χ^2/NDF: 32632492377.3/47

In: 0.026+/-0.000 χ^2/NDF:8785806551.2/43

Out: 0.022+/-0.000 χ^2/NDF:38949992176.2/51

All: 0.024+/-0.000 χ^2/NDF: 49780674115.0/9

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2348627.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6748520.0/26

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

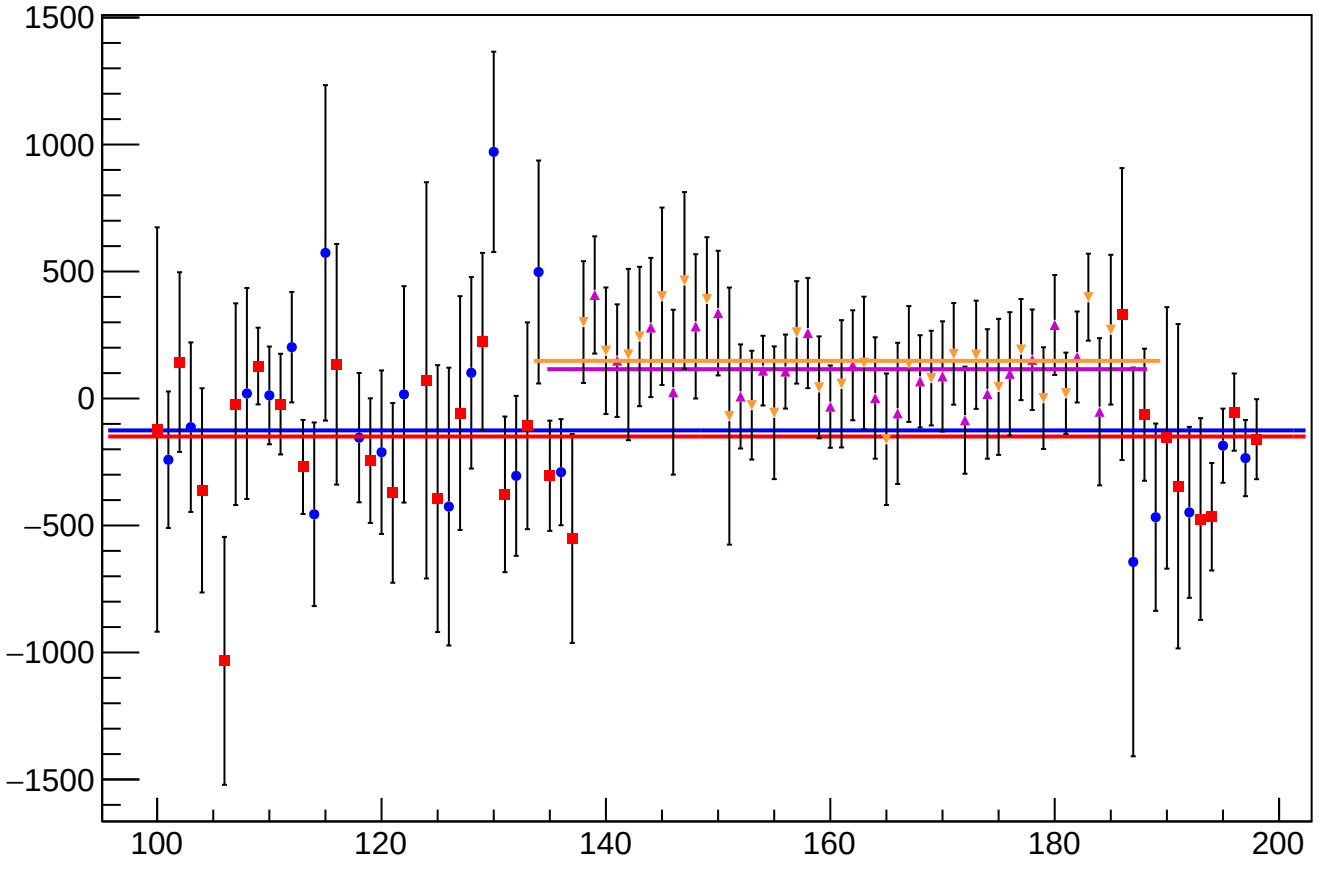
Left: 0.000+/-0.000 χ^2/NDF: 1796968.4/47

Right: 0.000+/-0.000 χ^2/NDF: 9426179.0/47

In: 0.000+/-0.000 χ^2/NDF:3351050.3/43

Out: 0.000+/-0.000 χ^2/NDF:8224987.7/51

All: 0.000+/-0.000 χ^2/NDF: 11796040.0/95



Right In: -125.626+/-59.612 χ^2/NDF: 19.5/20

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: -149.611+/-53.287 χ^2/NDF: 17.2/26

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 130.913+/-31.703 χ^2/NDF: 18.4/47

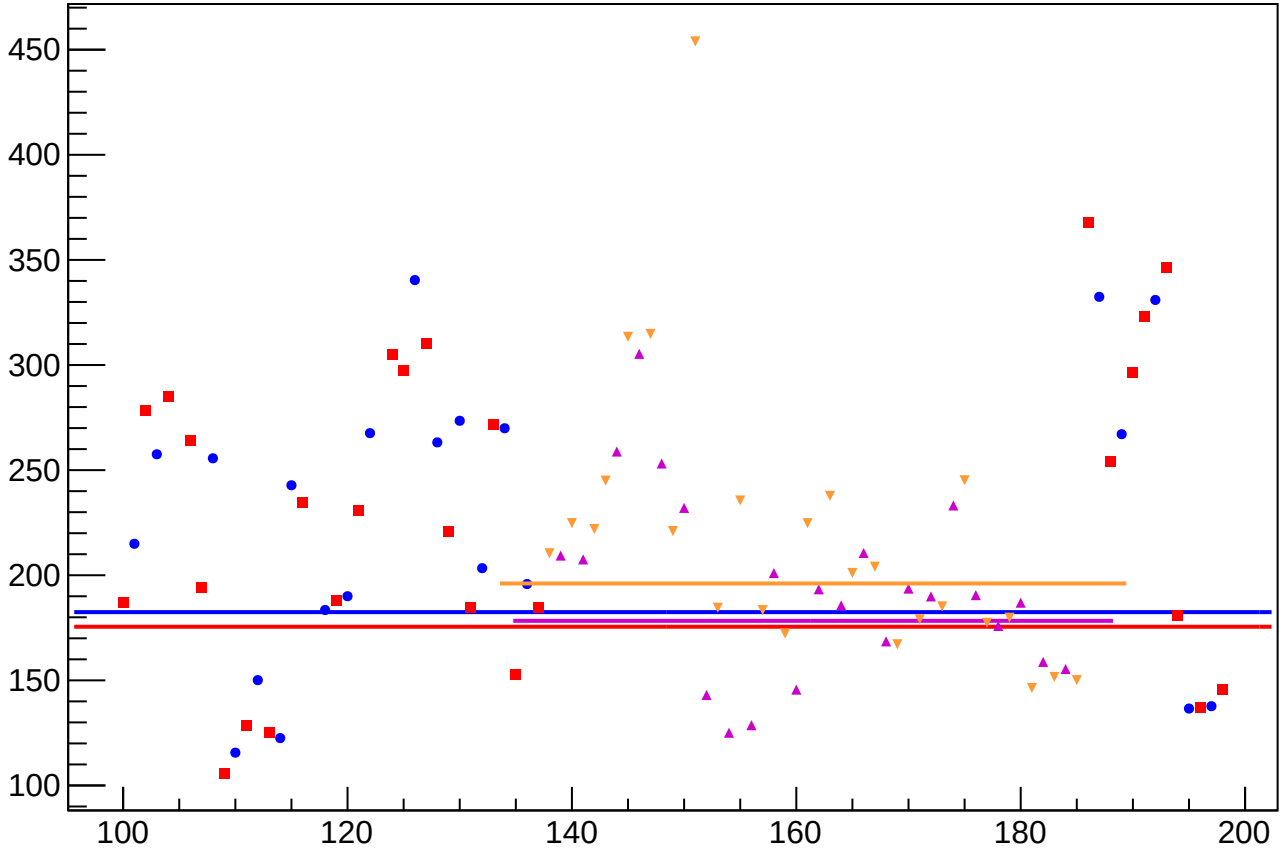
Right: -138.958+/-39.728 χ^2/NDF: 36.8/47

In: 31.537+/-35.175 χ^2/NDF:37.9/43

Out: 20.384+/-34.915 χ^2/NDF:45.4/51

All: 25.919+/-24.780 χ^2/NDF: 83.4/95

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 182.457+/-0.042 χ^2/NDF: 2038659.1/20

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

Right Out: 175.506+/-0.038 χ^2/NDF: 2860025.8/26

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

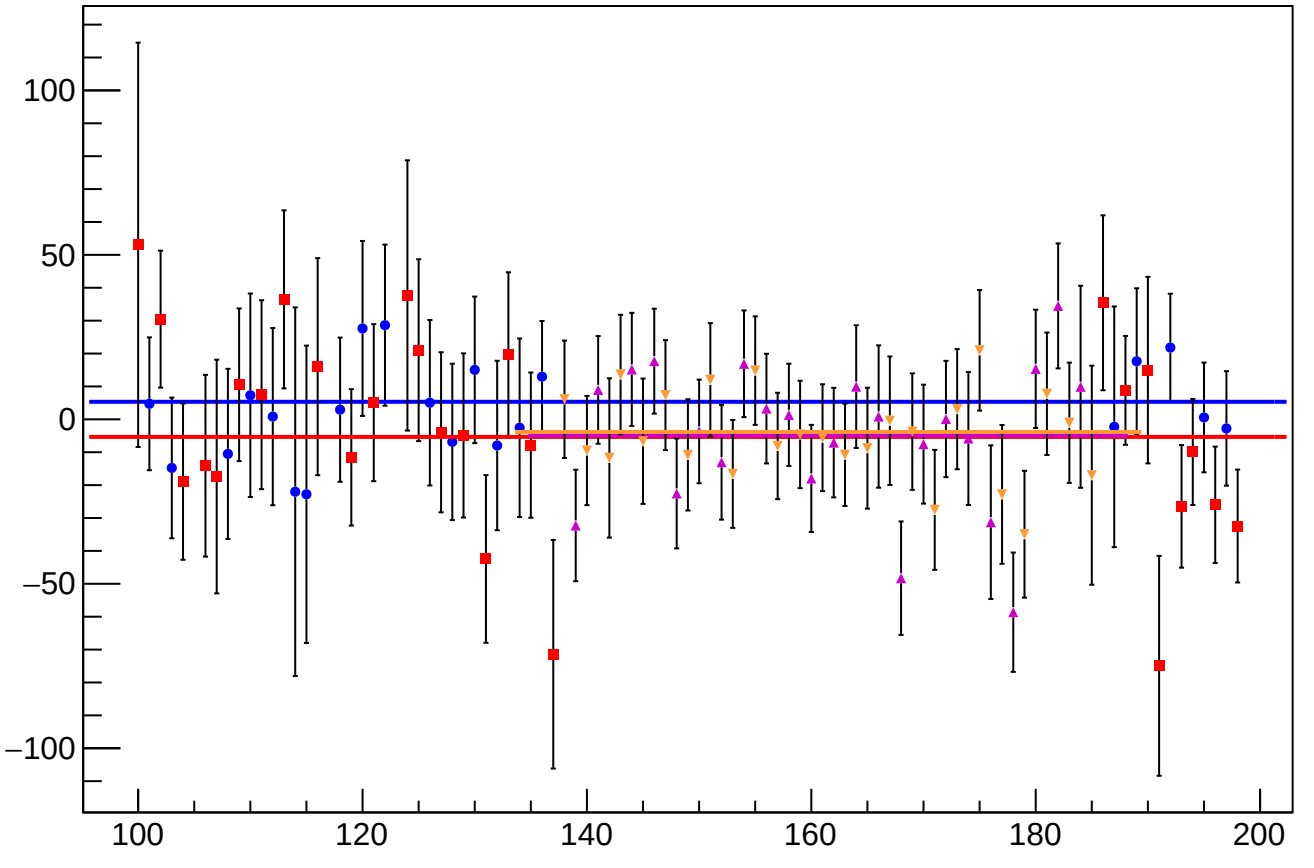
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 178.593+/-0.028 χ^2/NDF: 4913800.9/47

In: 179.759+/-0.025 χ^2/NDF:3723280.0/43

Out: 187.251+/-0.025 χ^2/NDF:4848776.1/51

All: 183.533+/-0.018 χ^2/NDF: 8617754.7/95



Right In: 5.335+/-5.021 χ^2/NDF: 6.2/20

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

Right Out: -5.343+/-4.583 χ^2/NDF: 30.0/26

Left In: -4.903+/-3.695 χ^2/NDF:33.9/22

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

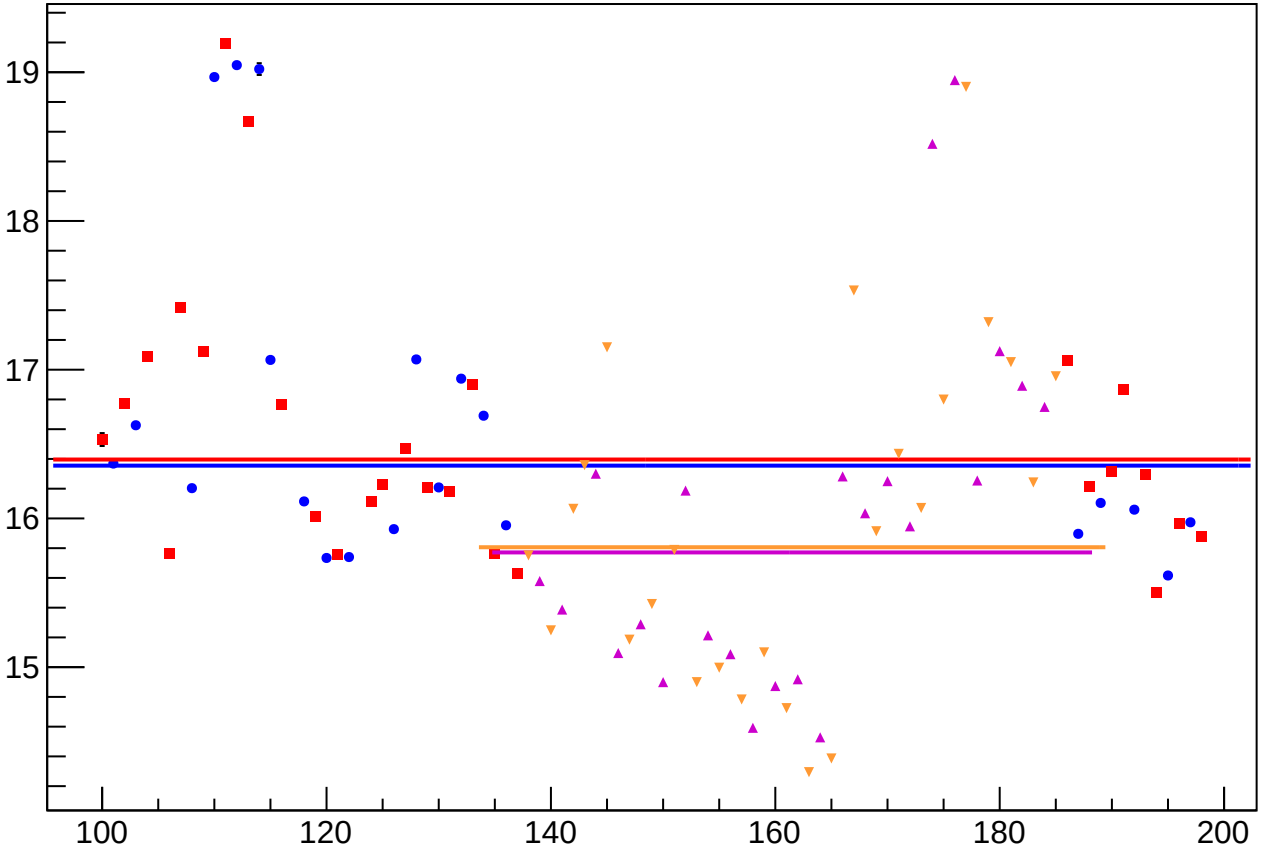
Right: -0.489+/-3.385 χ^2/NDF: 38.7/47

In: -1.306+/-2.976 χ^2/NDF:42.8/43

Out: -4.411+/-2.832 χ^2/NDF:43.0/51

All: -2.935+/-2.052 χ^2/NDF: 86.3/95

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.355+/-0.004 χ^2/NDF: 53307.0/20

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

Right Out: 16.396+/-0.003 χ^2/NDF: 57466.2/26

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

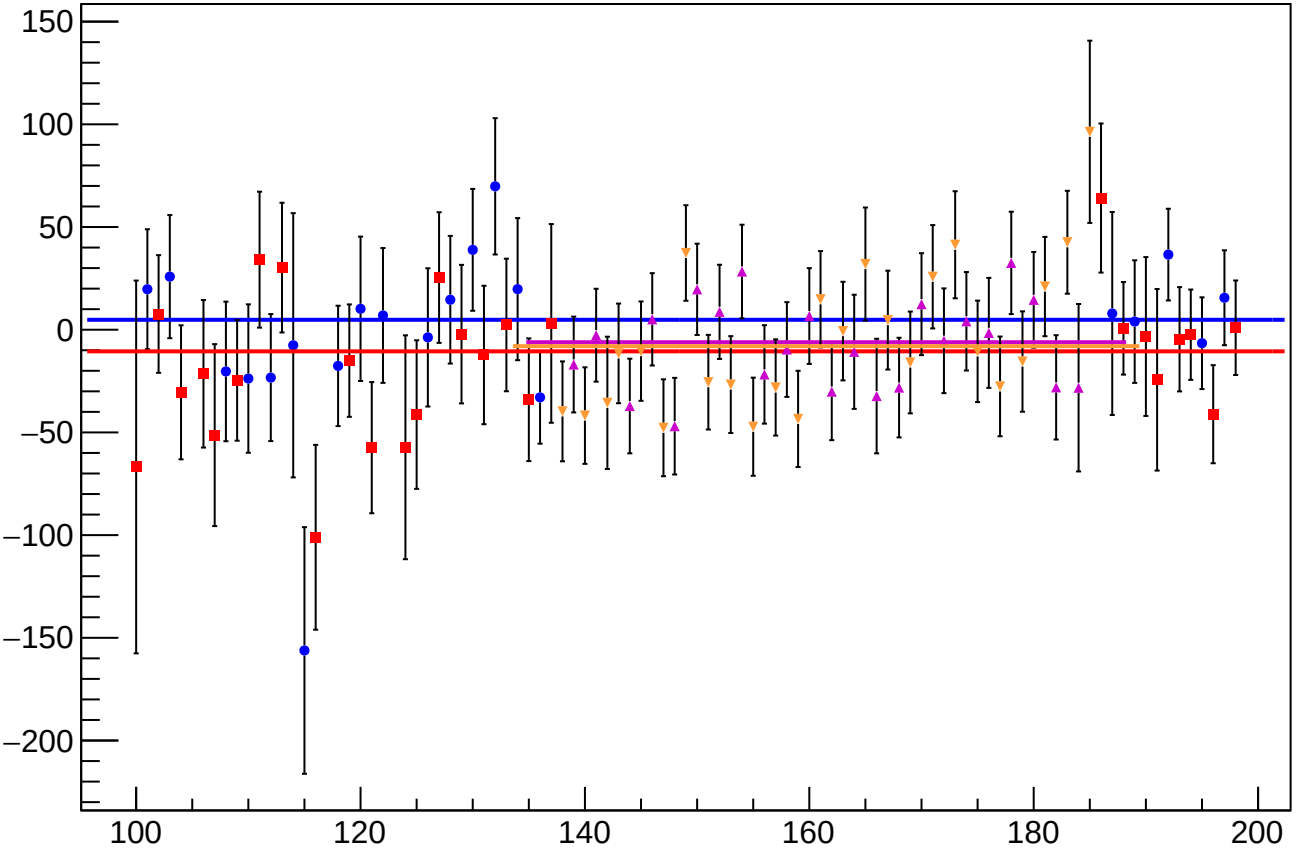
Right: 16.377+/-0.002 χ^2/NDF: 110846.3/47

In: 15.976+/-0.002 χ^2/NDF:222967.5/43

Out: 16.032+/-0.002 χ^2/NDF:250584.6/51

All: 16.005+/-0.001 χ^2/NDF: 473911.2/95

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.830+/-6.657 χ^2/NDF: 21.4/20

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: -10.529+/-6.088 χ^2/NDF: 22.4/26

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

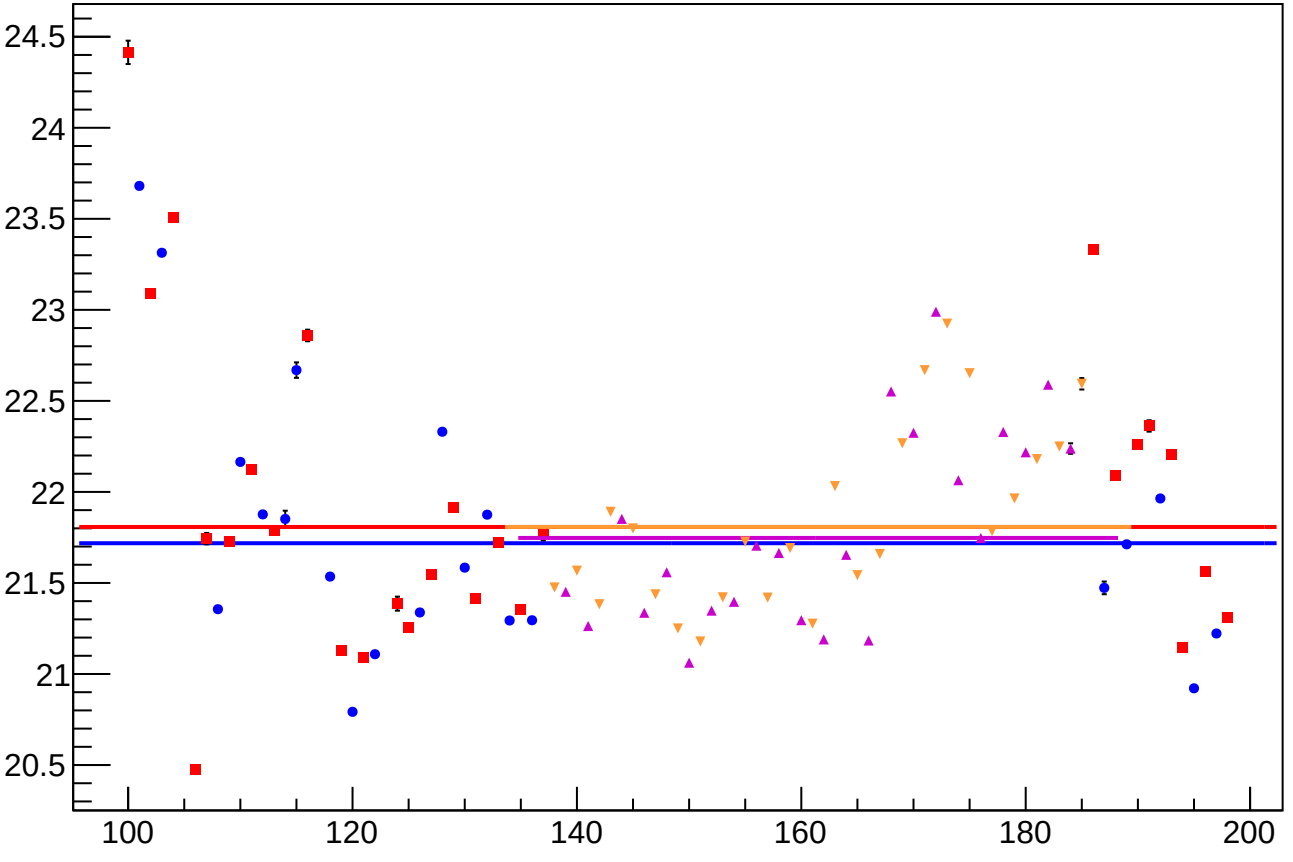
Right: -3.534+/-4.493 χ^2/NDF: 46.7/47

In: -2.069+/-4.038 χ^2/NDF:41.0/43

Out: -9.017+/-3.843 χ^2/NDF:61.4/51

All: -5.715+/-2.784 χ^2/NDF: 103.9/95

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.718+/-0.005 χ^2/NDF: 23830.9/20

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

Right Out: 21.807+/-0.004 χ^2/NDF: 26754.8/26

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

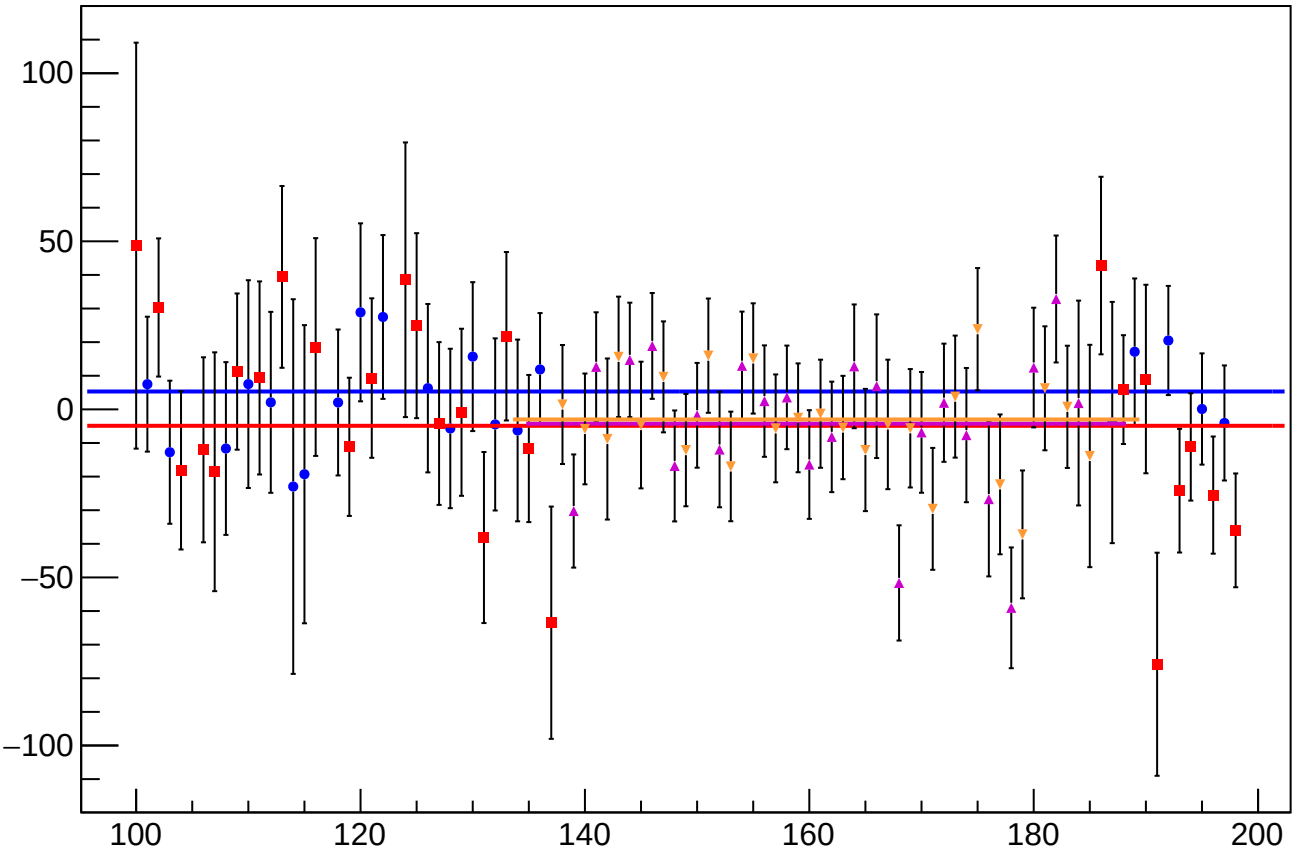
Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

Right: 21.767+/-0.003 χ^2/NDF: 50781.0/47

In: 21.737+/-0.003 χ^2/NDF:44415.8/43

Out: 21.808+/-0.003 χ^2/NDF:44315.8/51

All: 21.774+/-0.002 χ^2/NDF: 89055.9/95



Right In: 5.317+/-4.982 χ^2/NDF: 5.9/20

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

Right Out: -4.889+/-4.542 χ^2/NDF: 31.3/26

Left In: -4.249+/-3.661 χ^2/NDF:33.8/22

Left: -3.610+/-2.555 χ^2/NDF: 48.5/47

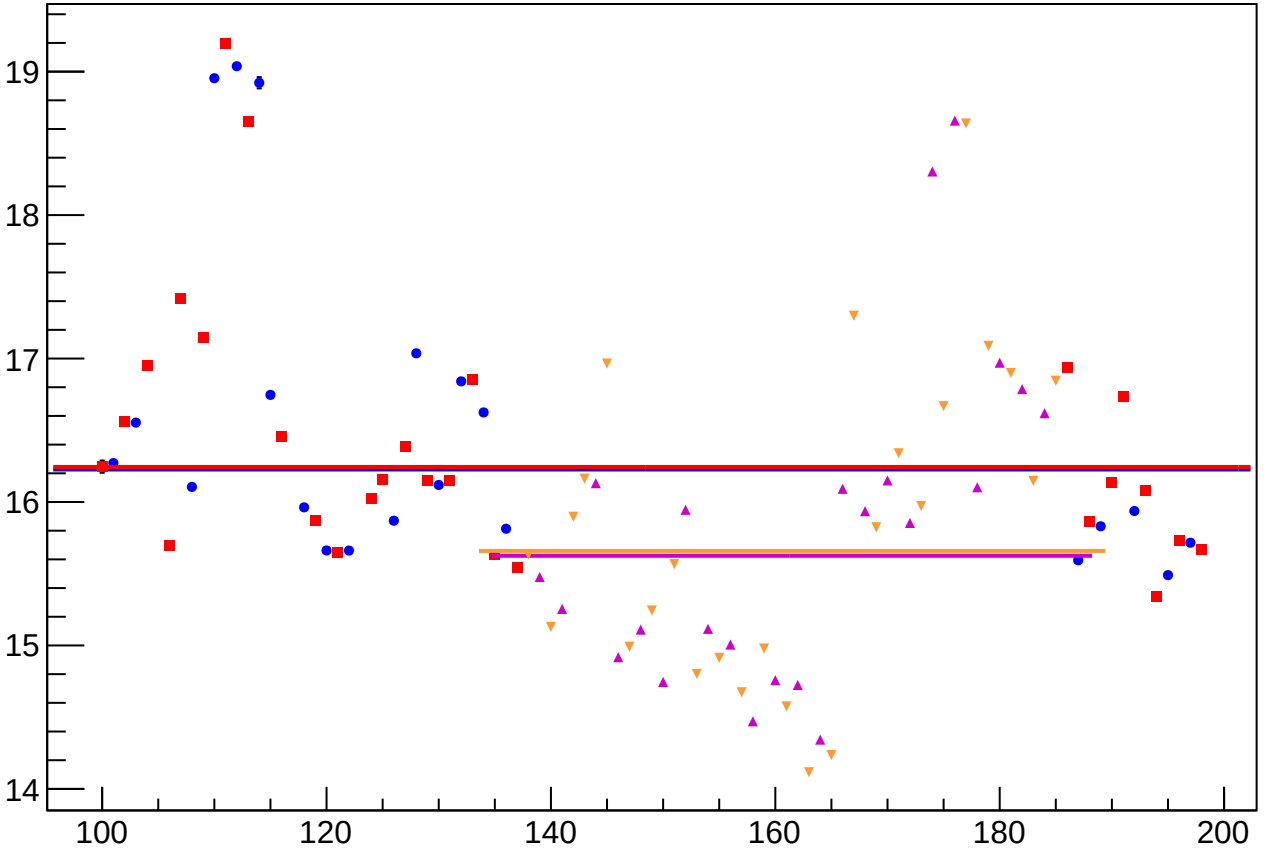
Right: -0.257+/-3.356 χ^2/NDF: 39.6/47

In: -0.895+/-2.950 χ^2/NDF:42.2/43

Out: -3.722+/-2.806 χ^2/NDF:46.1/51

All: -2.379+/-2.033 χ^2/NDF: 88.7/95

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.227+/-0.004 χ^2/NDF: 58388.4/20

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

Right Out: 16.244+/-0.003 χ^2/NDF: 64498.3/26

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

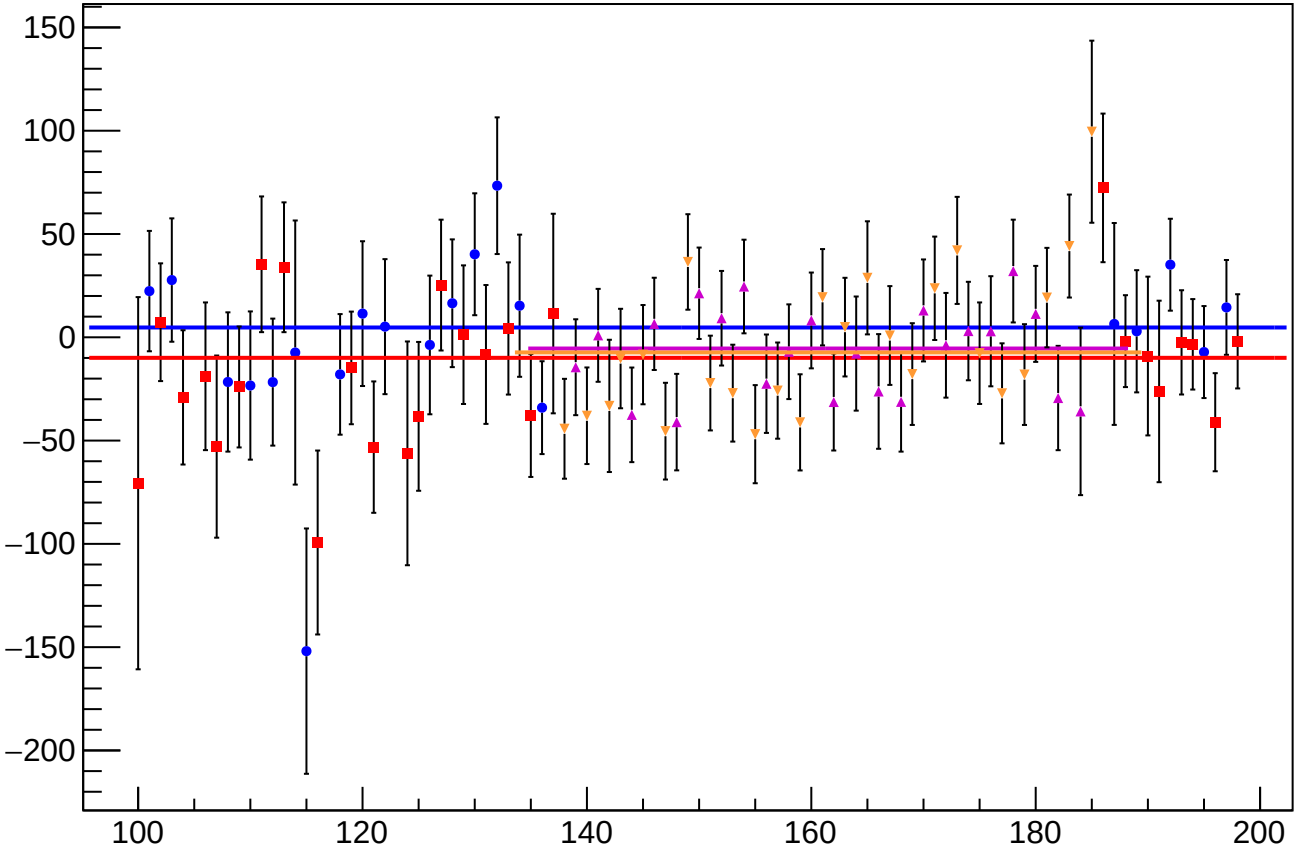
Right: 16.236+/-0.002 χ^2/NDF: 122900.1/47

In: 15.836+/-0.002 χ^2/NDF:227773.8/43

Out: 15.882+/-0.002 χ^2/NDF:254878.6/51

All: 15.860+/-0.001 χ^2/NDF: 482911.7/95

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.748+/-6.625 χ^2/NDF: 21.9/20

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

Right Out: -9.942+/-6.052 χ^2/NDF: 23.7/26

Left In: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

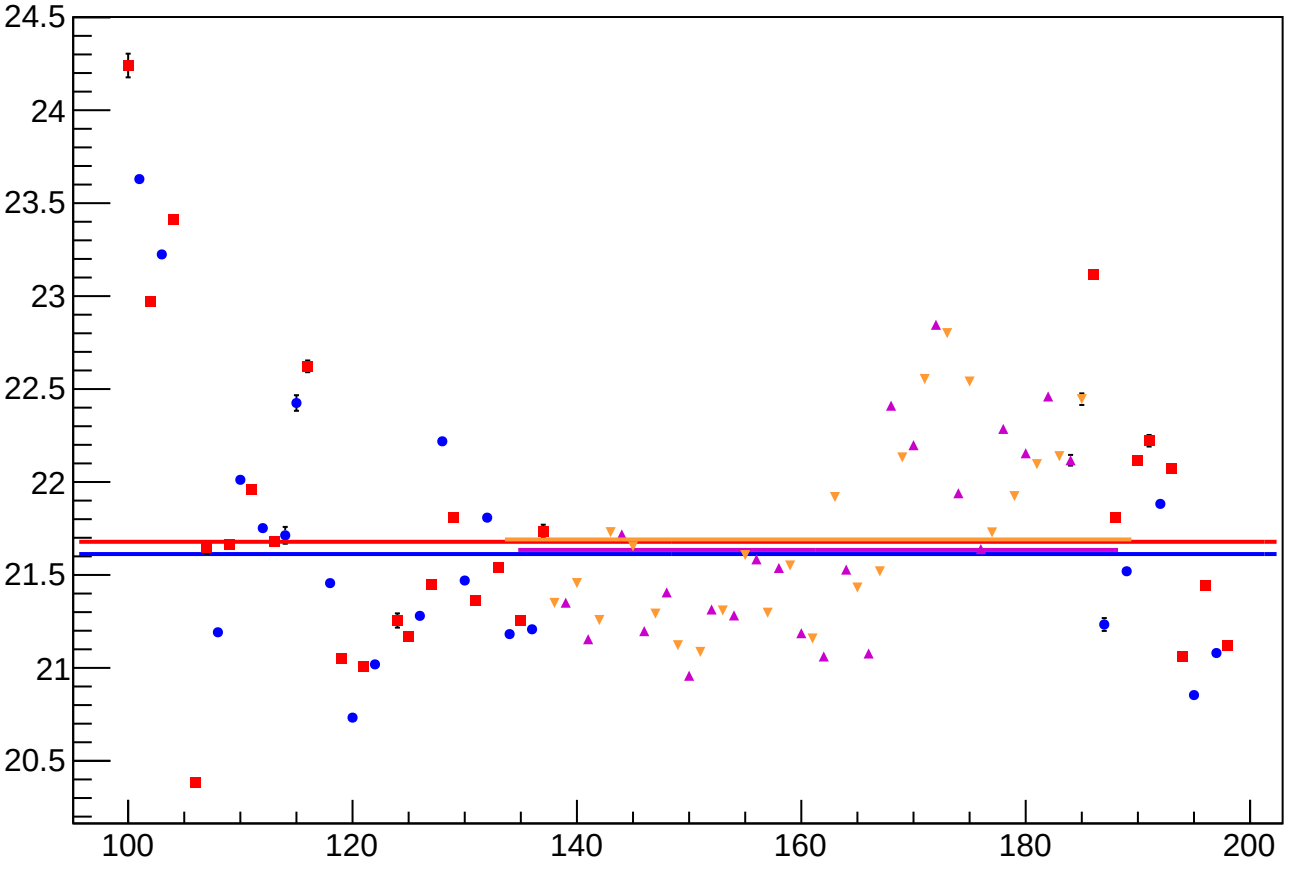
Right: -3.260+/-4.468 χ^2/NDF: 48.3/47

In: -1.689+/-4.018 χ^2/NDF:40.7/43

Out: -8.365+/-3.822 χ^2/NDF:62.4/51

All: -5.194+/-2.769 χ^2/NDF: 104.5/95

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.612+/-0.005 χ^2/NDF: 24245.4/20

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.678+/-0.004 χ^2/NDF: 25628.5/26

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

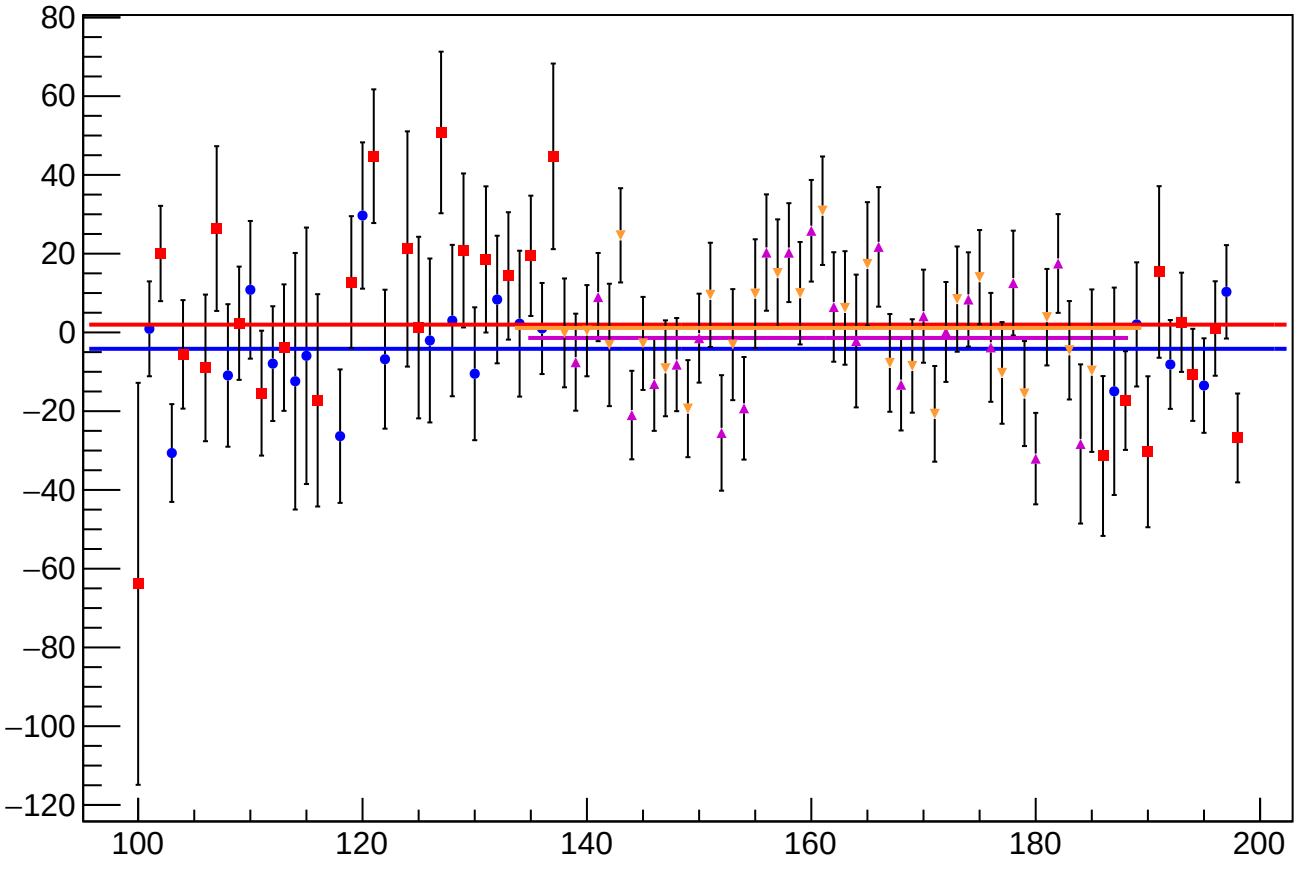
Right: 21.648+/-0.003 χ^2/NDF: 49981.9/47

In: 21.626+/-0.003 χ^2/NDF:44820.9/43

Out: 21.686+/-0.003 χ^2/NDF:43568.6/51

All: 21.658+/-0.002 χ^2/NDF: 88619.7/95

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.163+/-3.411 χ^2/NDF: 14.5/20

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: 1.974+/-3.137 χ^2/NDF: 43.5/26

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

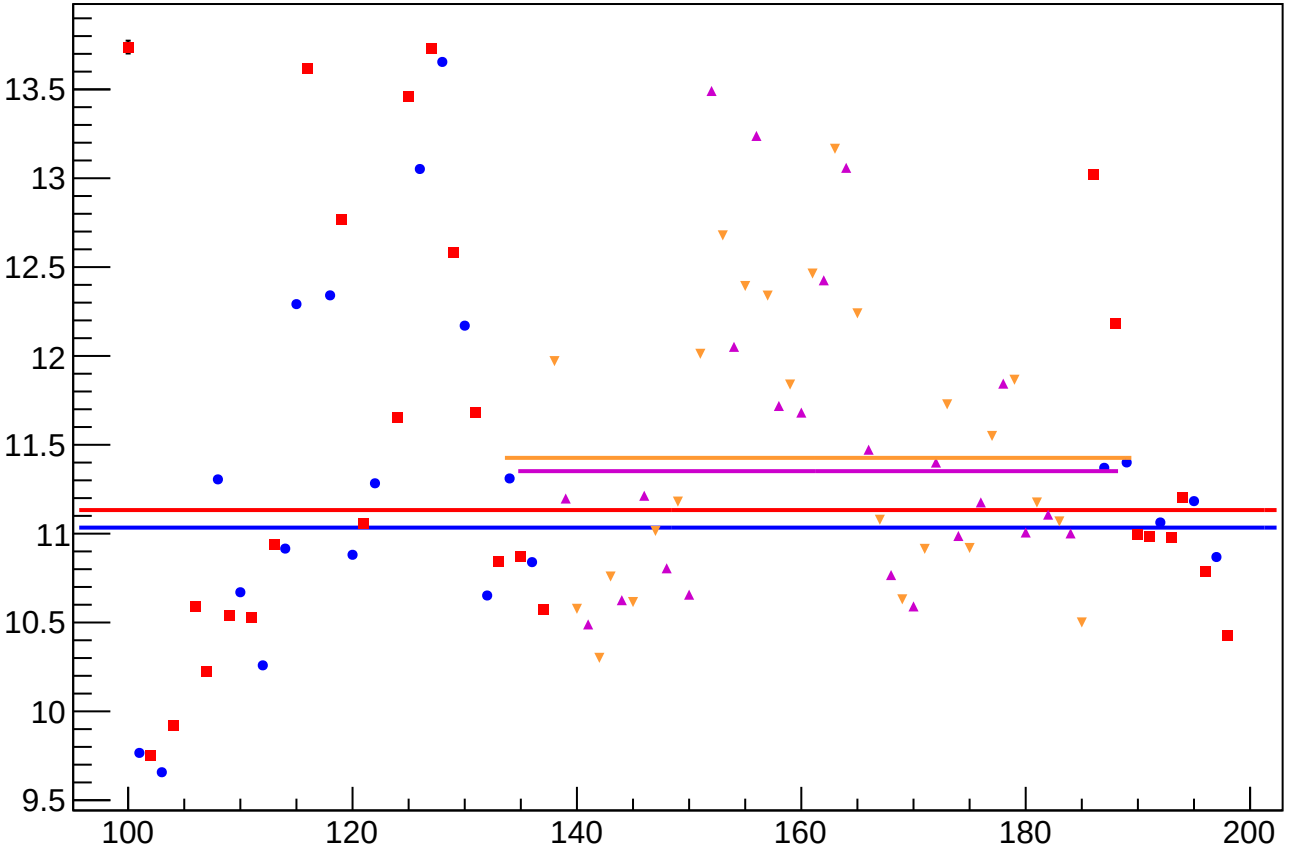
Right: -0.839+/-2.309 χ^2/NDF: 59.8/47

In: -2.456+/-2.104 χ^2/NDF:51.3/43

Out: 1.481+/-2.011 χ^2/NDF:68.0/51

All: -0.398+/-1.454 χ^2/NDF: 121.1/95

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.034+/-0.002 χ^2/NDF: 138422.0/20

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

Right Out: 11.133+/-0.002 χ^2/NDF: 204569.1/26

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

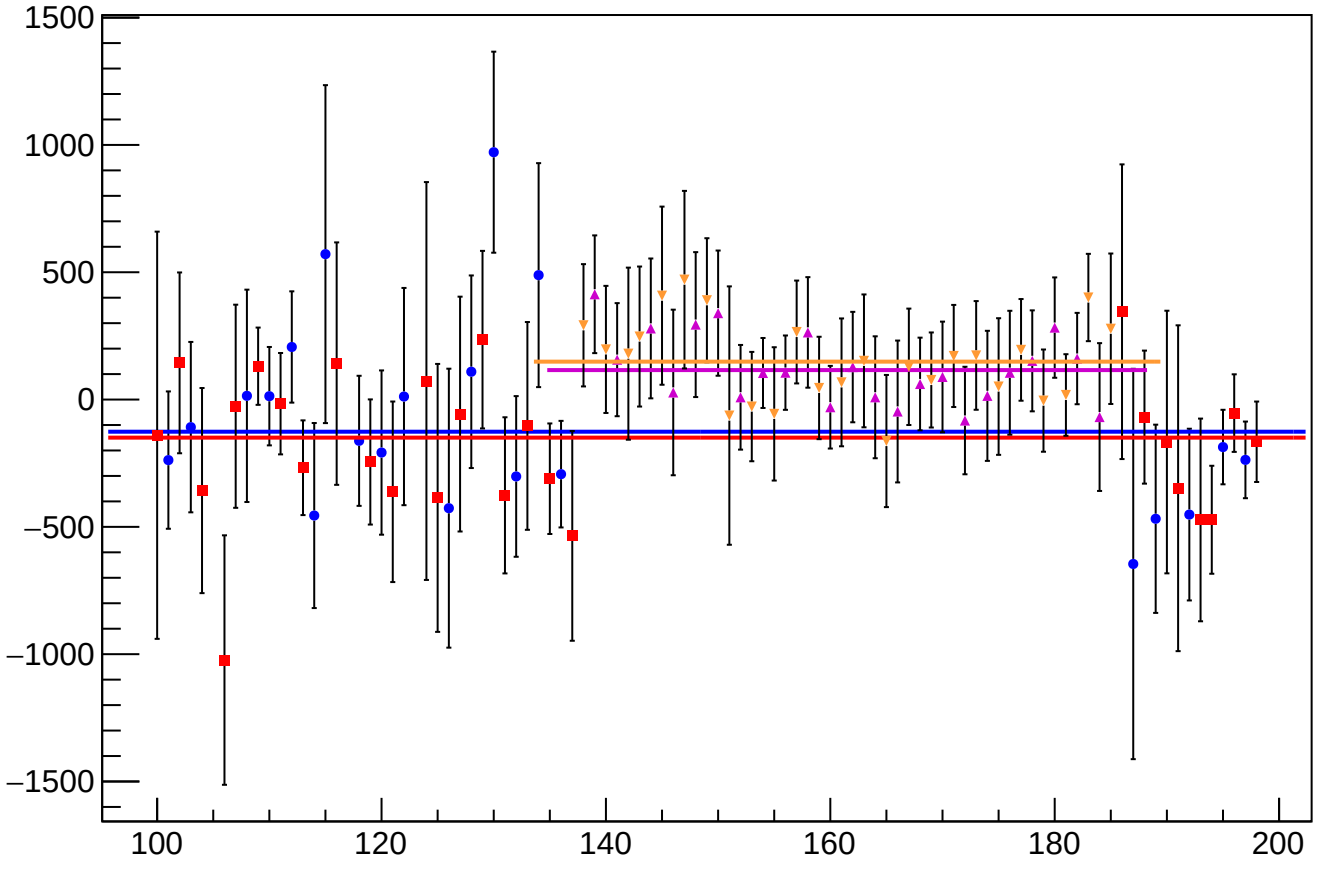
Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

Right: 11.087+/-0.002 χ^2/NDF: 343899.2/47

In: 11.231+/-0.001 χ^2/NDF:319736.4/43

Out: 11.306+/-0.001 χ^2/NDF:371873.7/51

All: 11.270+/-0.001 χ^2/NDF: 692939.0/95



Right In: -126.274+/-59.774 χ^2/NDF: 19.5/20

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -149.544+/-53.443 χ^2/NDF: 17.2/26

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

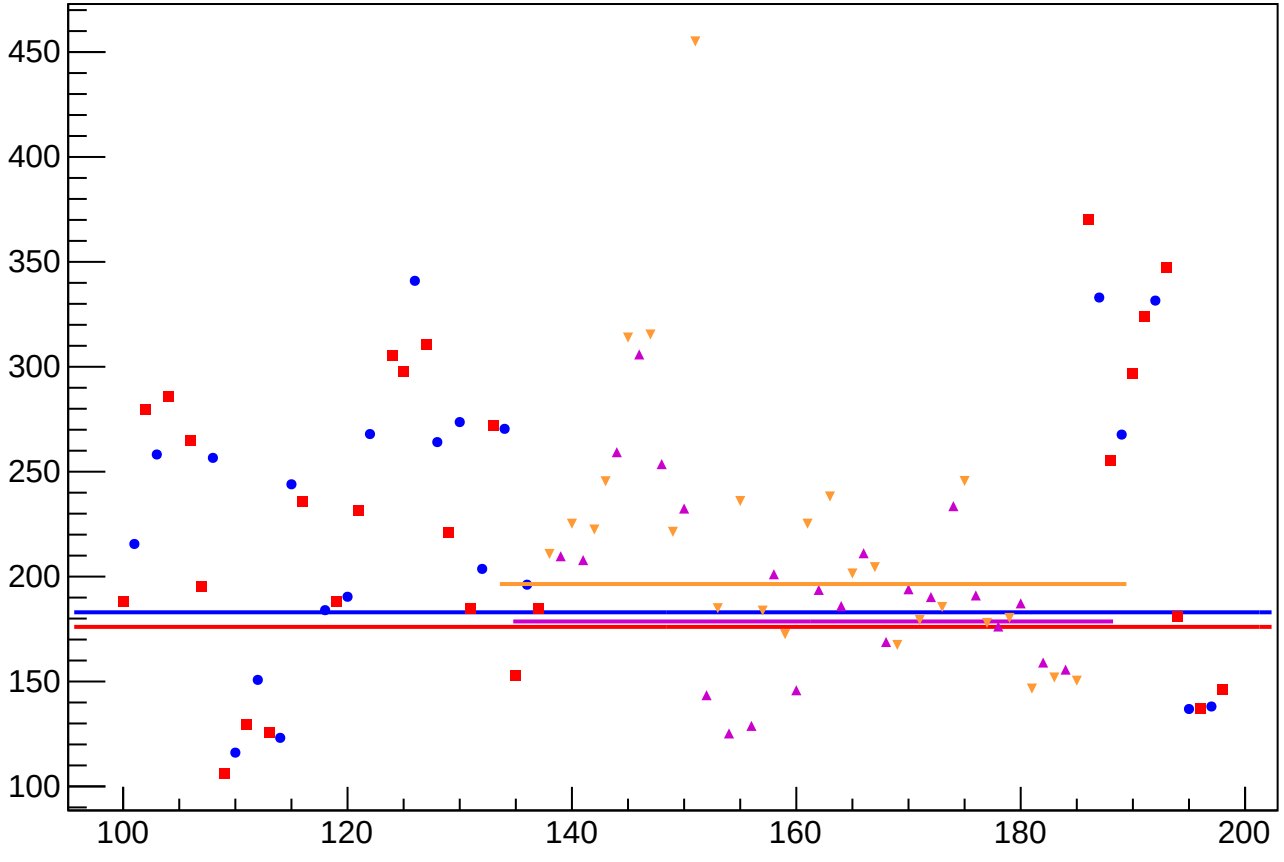
Right: -139.206+/-39.841 χ^2/NDF: 36.8/47

In: 31.572+/-35.247 χ^2/NDF:38.0/43

Out: 20.924+/-34.997 χ^2/NDF:45.5/51

All: 26.210+/-24.834 χ^2/NDF: 83.6/95

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 182.981+/-0.042 χ^2/NDF: 2032820.9/20

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 176.034+/-0.038 χ^2/NDF: 2856078.6/26

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

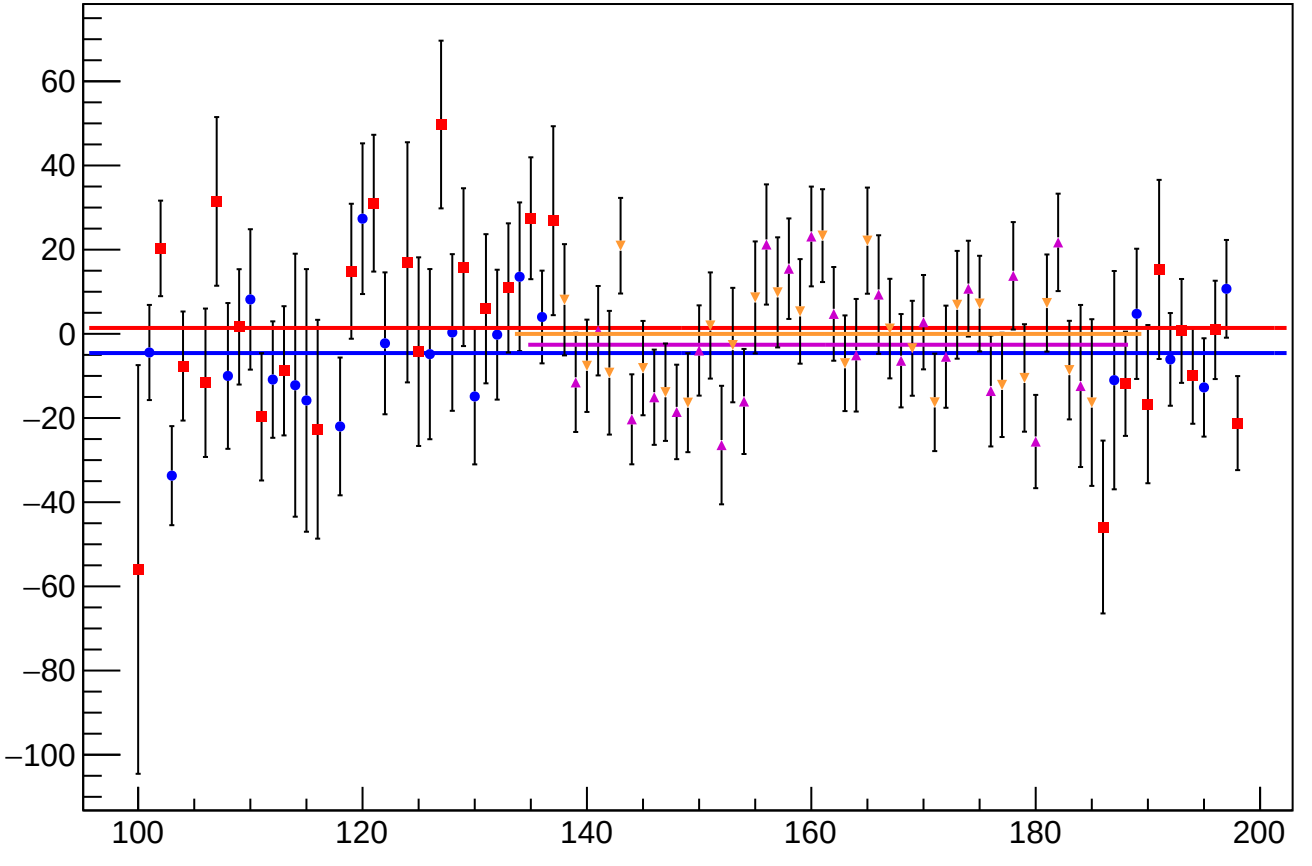
Right: 179.120+/-0.028 χ^2/NDF: 4903916.3/47

In: 180.132+/-0.025 χ^2/NDF:3718645.4/43

Out: 187.697+/-0.025 χ^2/NDF:4841614.4/51

All: 183.942+/-0.018 χ^2/NDF: 8606653.6/95

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.566+/-3.277 χ^2/NDF: 16.4/20

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 1.398+/-3.024 χ^2/NDF: 39.5/26

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

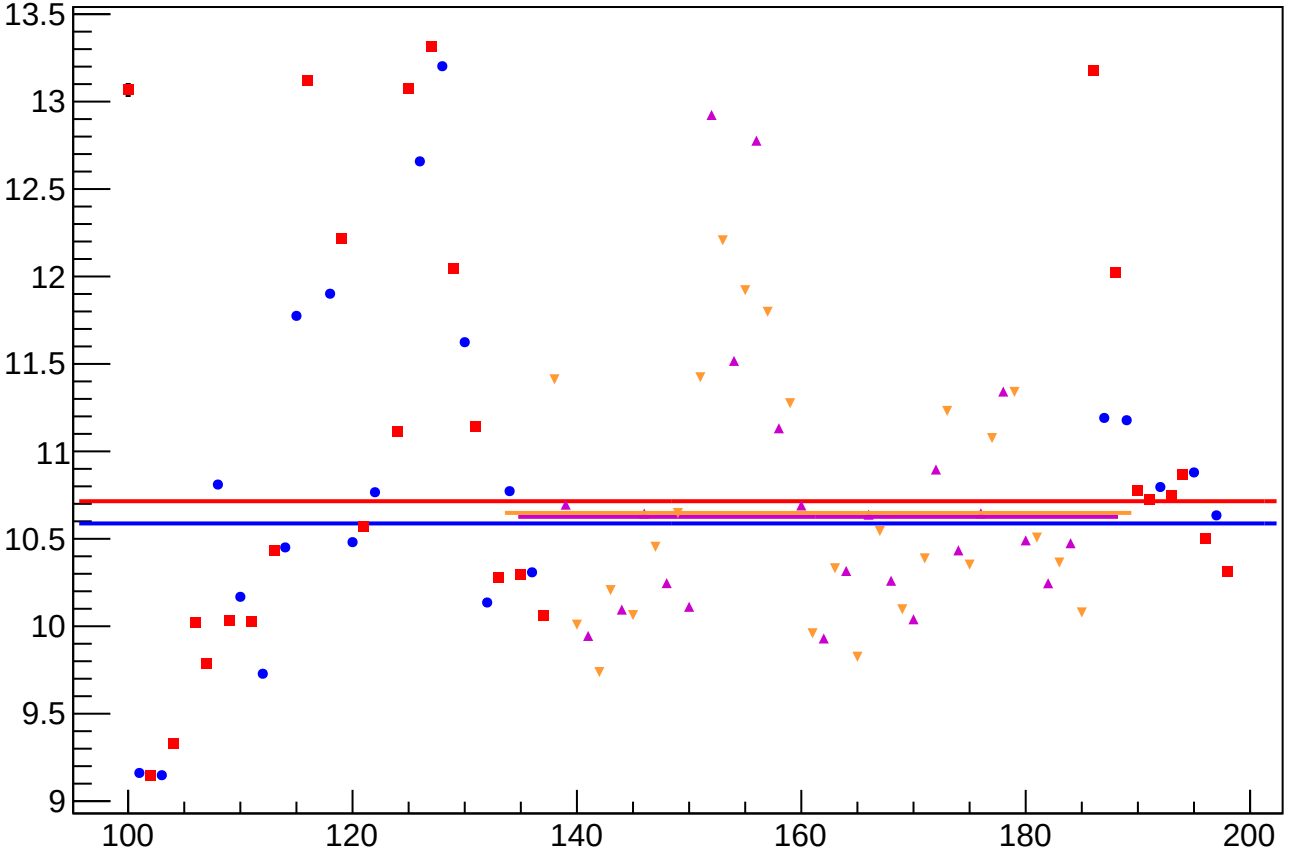
Right: -1.345+/-2.223 χ^2/NDF: 57.7/47

In: -3.320+/-1.991 χ^2/NDF:51.4/43

Out: 0.542+/-1.901 χ^2/NDF:63.4/51

All: -1.300+/-1.375 χ^2/NDF: 116.7/95

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.588+/-0.002 χ^2/NDF: 165126.4/20

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.715+/-0.002 χ^2/NDF: 245403.2/26

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

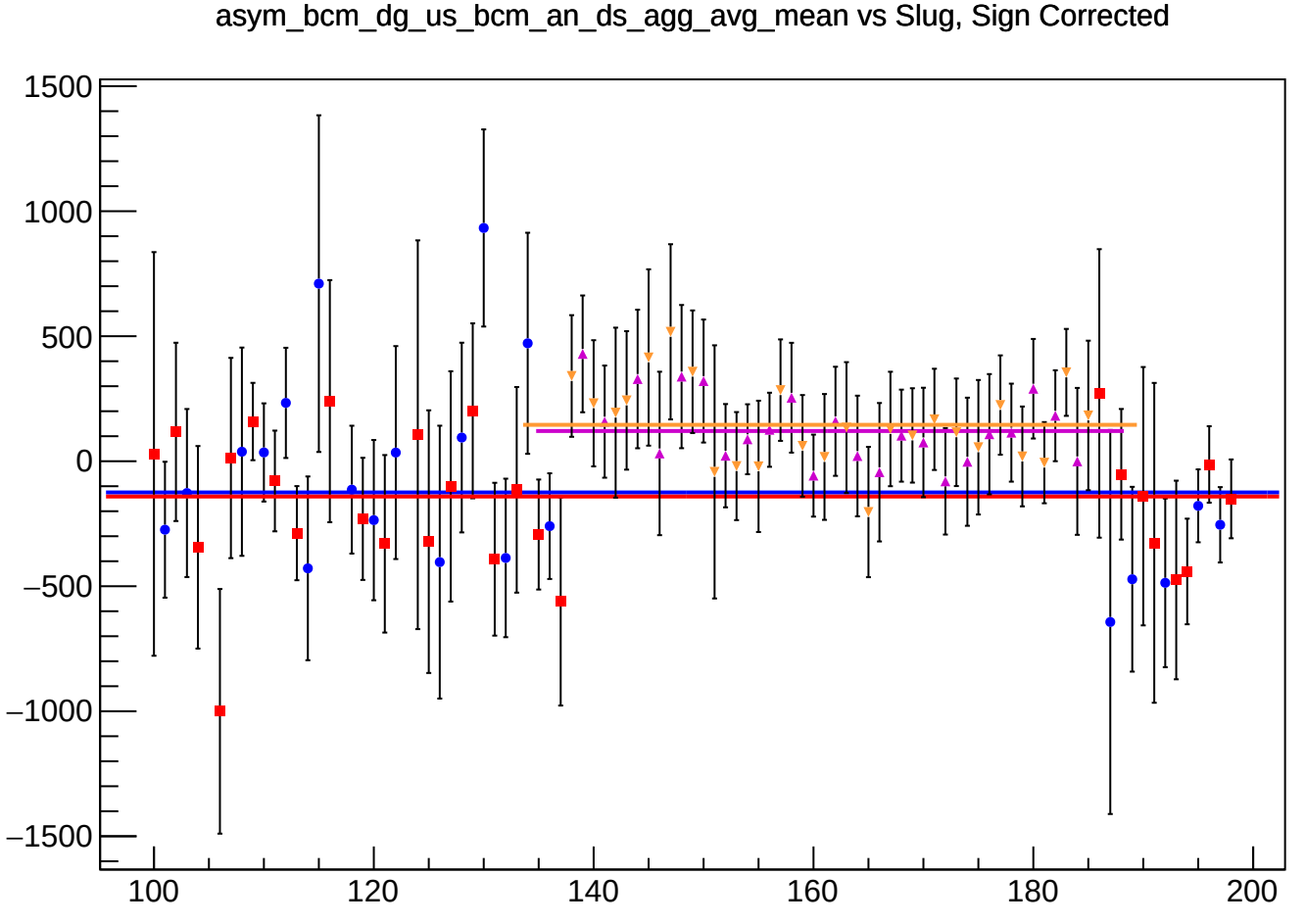
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.657+/-0.002 χ^2/NDF: 412153.8/47

In: 10.612+/-0.001 χ^2/NDF:324837.2/43

Out: 10.675+/-0.001 χ^2/NDF:389528.0/51

All: 10.645+/-0.001 χ^2/NDF: 715409.2/95



Right In: -124.873+/-59.985 χ^2/NDF: 20.3/20

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: -141.175+/-53.740 χ^2/NDF: 17.0/26

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

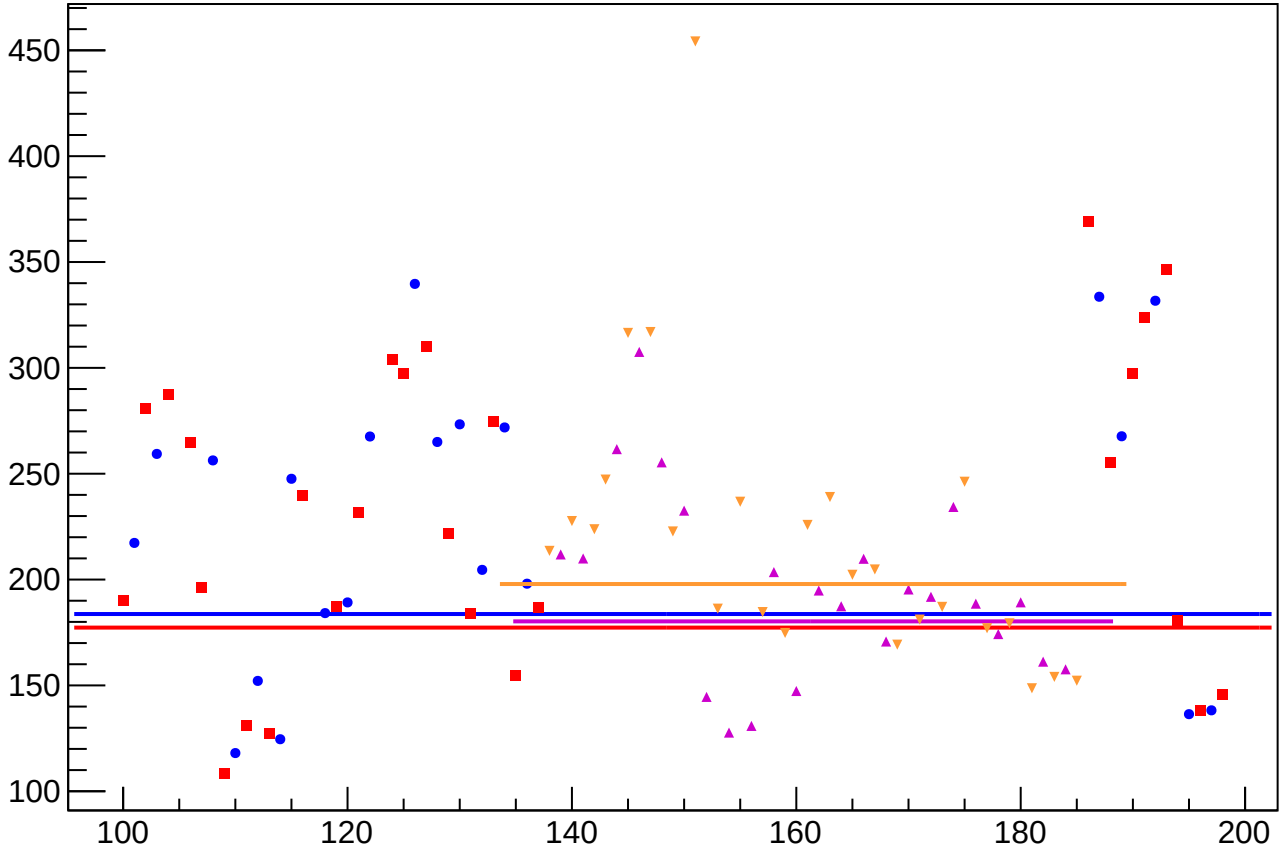
Right: -133.917+/-40.026 χ^2/NDF: 37.4/47

In: 34.929+/-35.476 χ^2/NDF:39.4/43

Out: 22.445+/-35.213 χ^2/NDF:43.6/51

All: 28.640+/-24.992 χ^2/NDF: 83.1/95

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 183.718+/-0.042 χ^2/NDF: 2018241.8/20

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

Right Out: 177.307+/-0.038 χ^2/NDF: 2791670.8/26

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

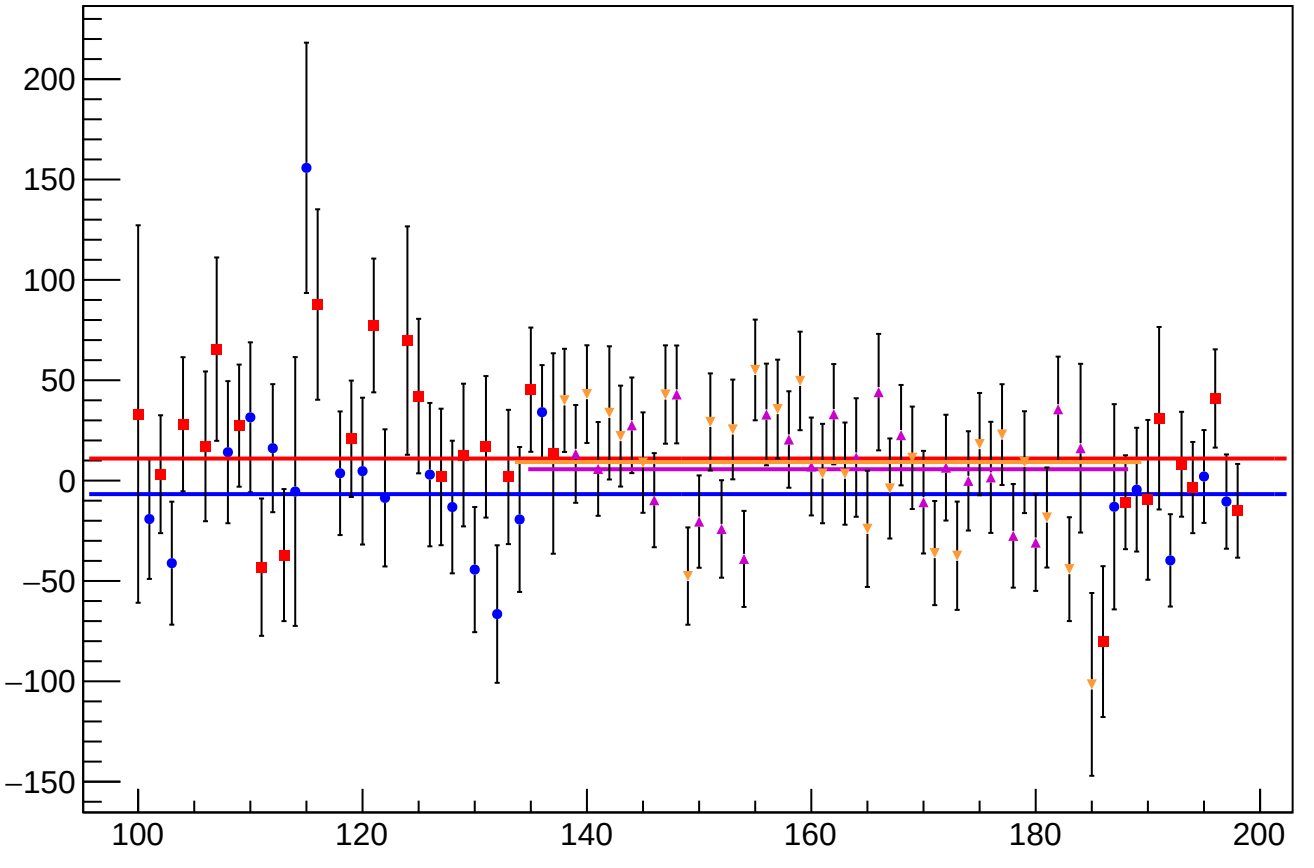
Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

Right: 180.161+/-0.028 χ^2/NDF: 4822587.1/47

In: 181.462+/-0.025 χ^2/NDF:3650370.4/43

Out: 189.053+/-0.025 χ^2/NDF:4747961.3/51

All: 185.285+/-0.018 χ^2/NDF: 8444462.5/95



Right In: -6.737+/-6.901 χ^2/NDF: 20.4/20

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: 10.995+/-6.312 χ^2/NDF: 27.0/26

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

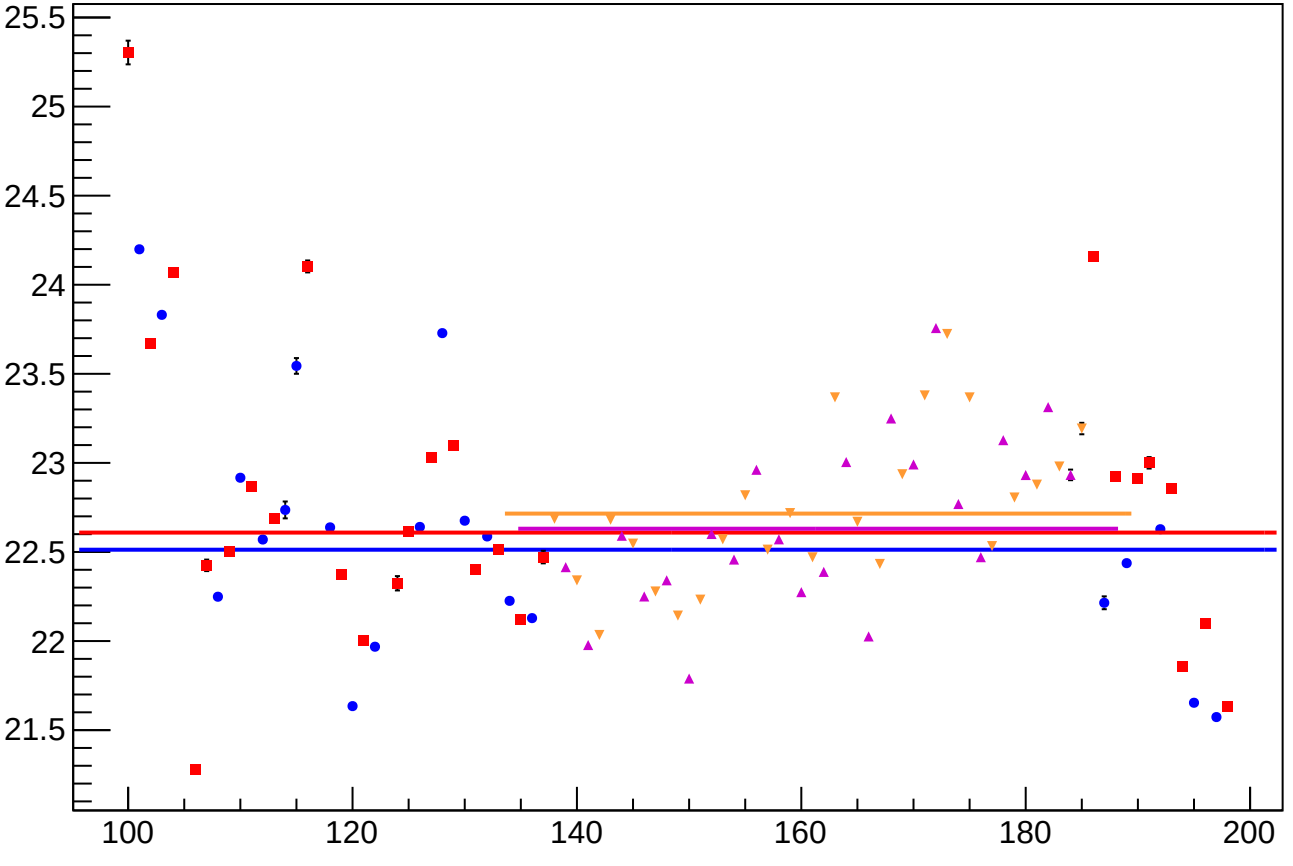
Right: 2.917+/-4.658 χ^2/NDF: 50.9/47

In: 1.080+/-4.197 χ^2/NDF:43.2/43

Out: 9.940+/-3.996 χ^2/NDF:66.5/51

All: 5.727+/-2.894 χ^2/NDF: 112.0/95

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.513+/-0.005 χ^2/NDF: 22254.5/20

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

Right Out: 22.609+/-0.004 χ^2/NDF: 25650.1/26

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

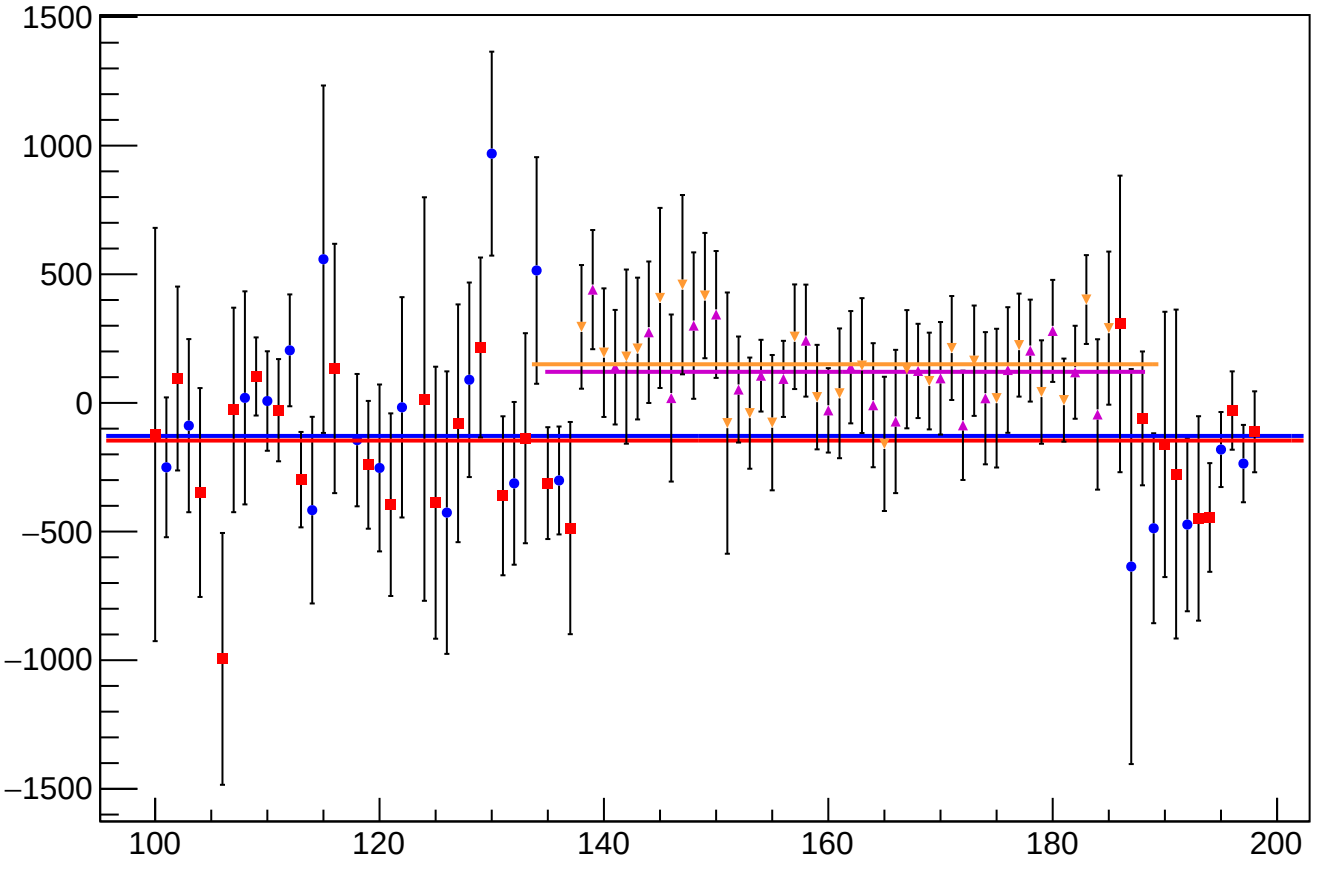
Right: 22.565+/-0.003 χ^2/NDF: 48115.8/47

In: 22.587+/-0.003 χ^2/NDF:38013.4/43

Out: 22.673+/-0.003 χ^2/NDF:38173.6/51

All: 22.632+/-0.002 χ^2/NDF: 76624.9/95

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -128.303+/-59.795 χ^2/NDF: 19.6/20

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: -146.310+/-53.450 χ^2/NDF: 15.6/26

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 134.638+/-31.941 χ^2/NDF: 19.1/47

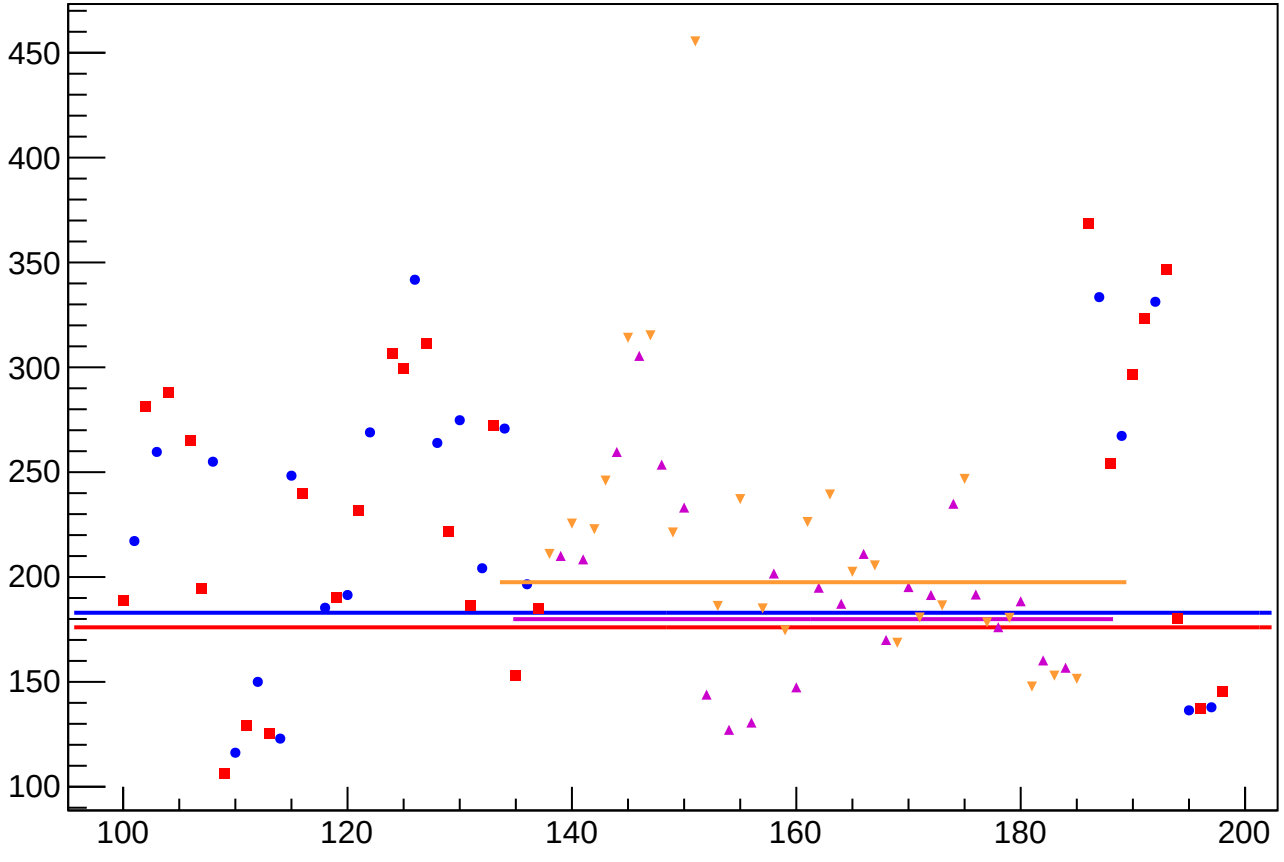
Right: -138.312+/-39.850 χ^2/NDF: 35.2/47

In: 33.478+/-35.397 χ^2/NDF:38.7/43

Out: 22.365+/-35.097 χ^2/NDF:44.0/51

All: 27.874+/-24.923 χ^2/NDF: 82.8/95

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 182.968+/-0.042 χ^2/NDF: 2051593.0/20

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

Right Out: 176.021+/-0.038 χ^2/NDF: 2871872.4/26

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

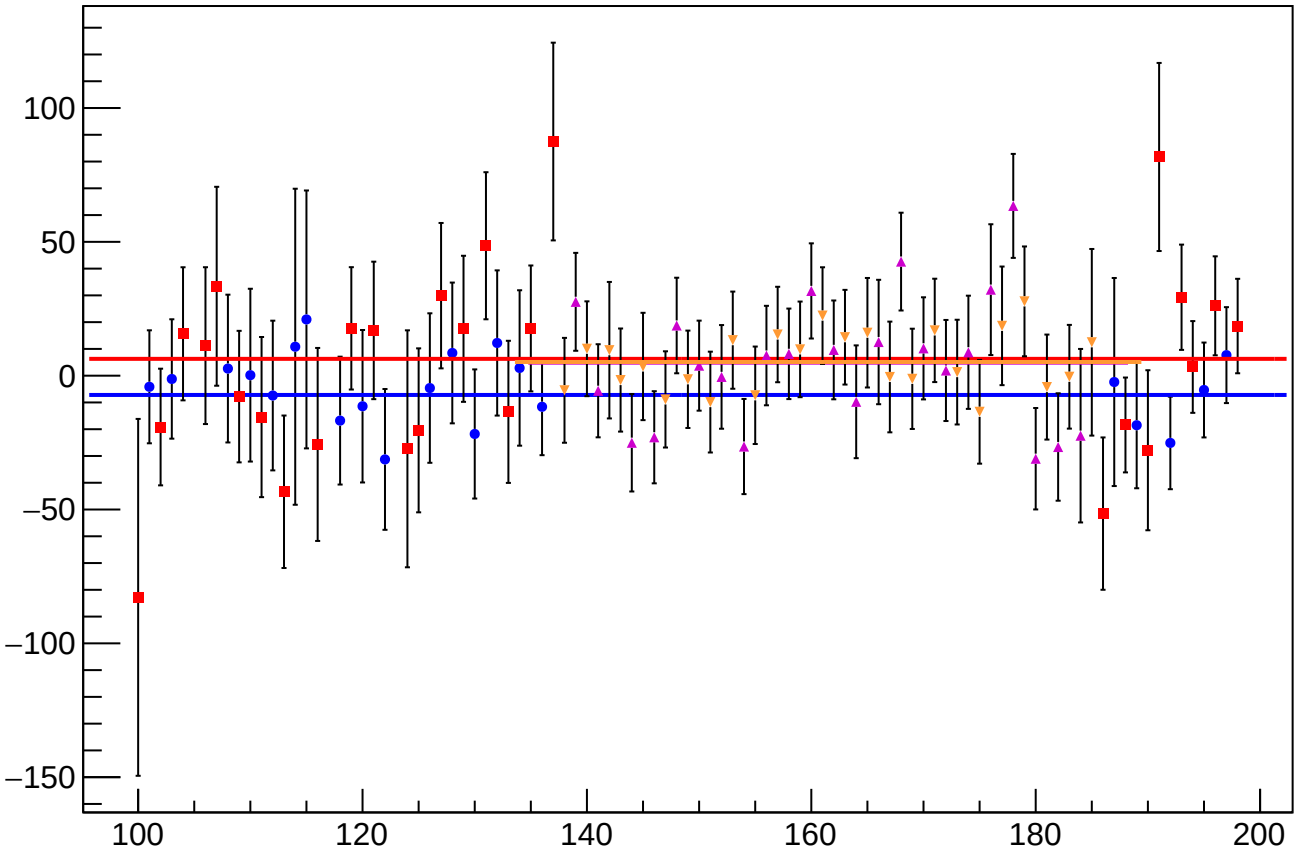
Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

Right: 179.106+/-0.028 χ^2/NDF: 4938471.9/47

In: 180.990+/-0.025 χ^2/NDF:3679105.0/43

Out: 188.258+/-0.025 χ^2/NDF:4846067.3/51

All: 184.655+/-0.018 χ^2/NDF: 8567689.2/95



Right In: -7.200+/-5.336 χ^2/NDF: 5.2/20

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: 6.288+/-4.875 χ^2/NDF: 34.2/26

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

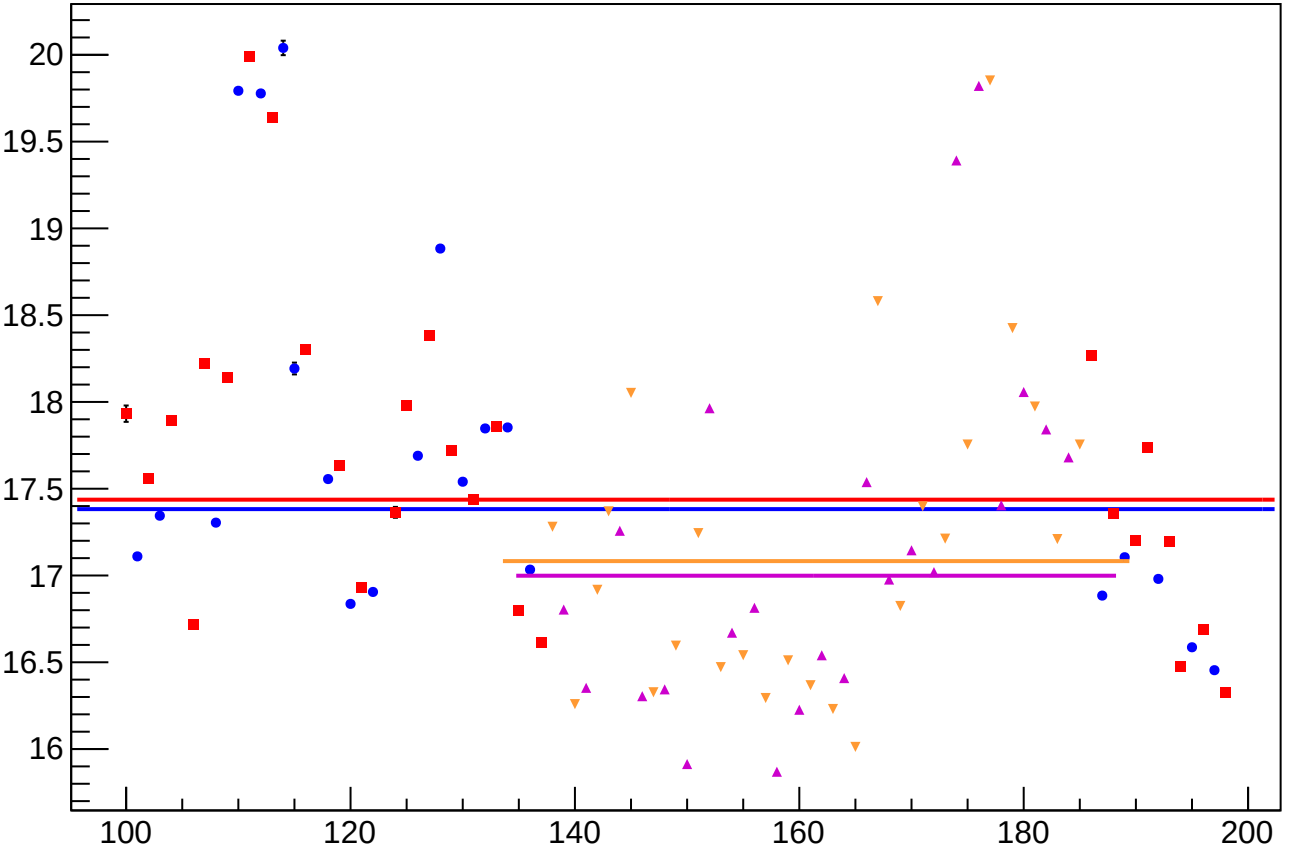
Right: 0.152+/-3.599 χ^2/NDF: 42.9/47

In: 0.548+/-3.191 χ^2/NDF:44.0/43

Out: 5.574+/-3.041 χ^2/NDF:42.2/51

All: 3.182+/-2.201 χ^2/NDF: 87.4/95

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.382+/-0.004 χ^2/NDF: 52087.2/20

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

Right Out: 17.437+/-0.003 χ^2/NDF: 59204.9/26

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

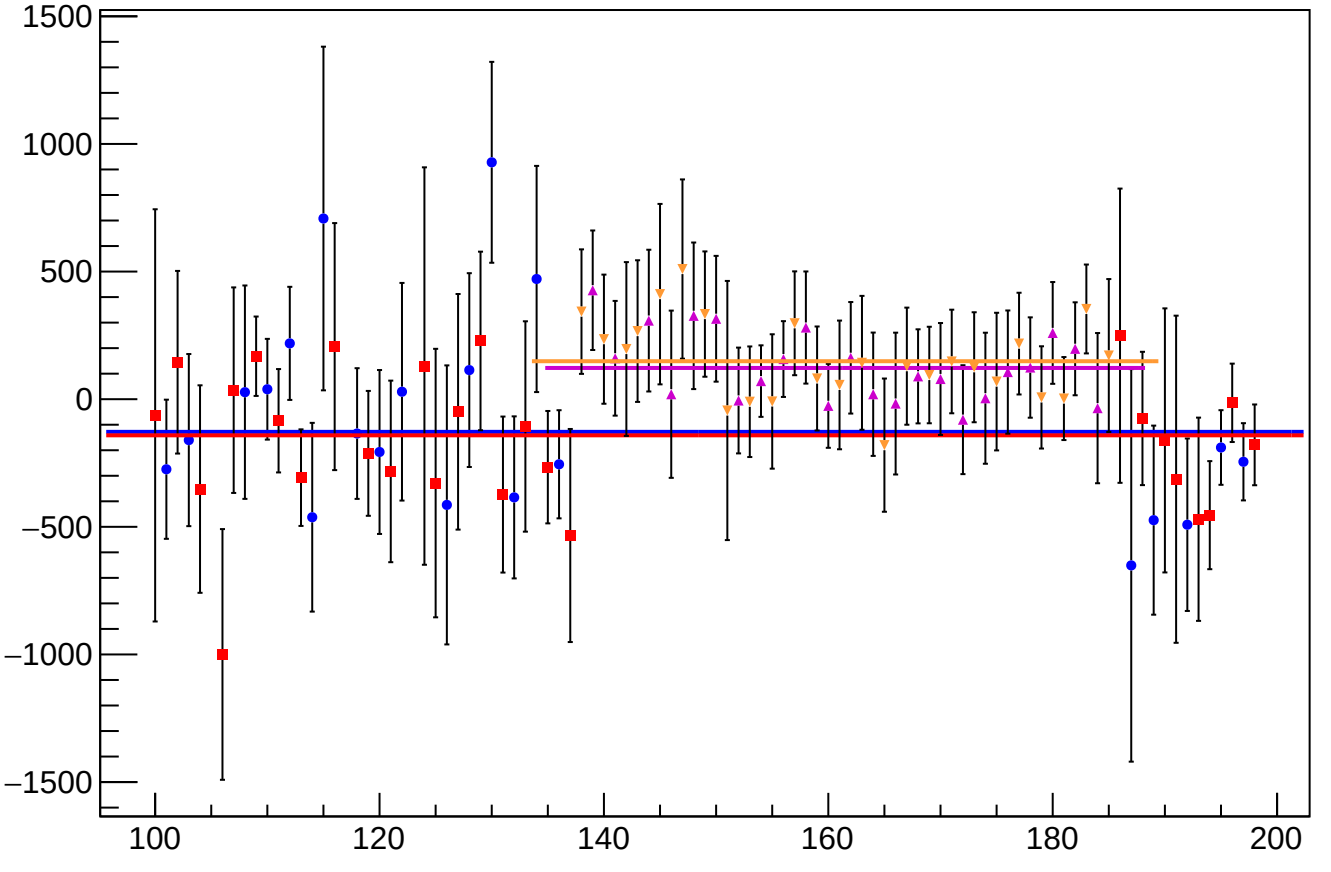
Right: 17.412+/-0.003 χ^2/NDF: 111405.6/47

In: 17.136+/-0.002 χ^2/NDF:162752.3/43

Out: 17.221+/-0.002 χ^2/NDF:162422.7/51

All: 17.180+/-0.002 χ^2/NDF: 325914.2/95

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -127.928+/-60.159 χ^2/NDF: 20.2/20

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: -141.554+/-53.900 χ^2/NDF: 17.1/26

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

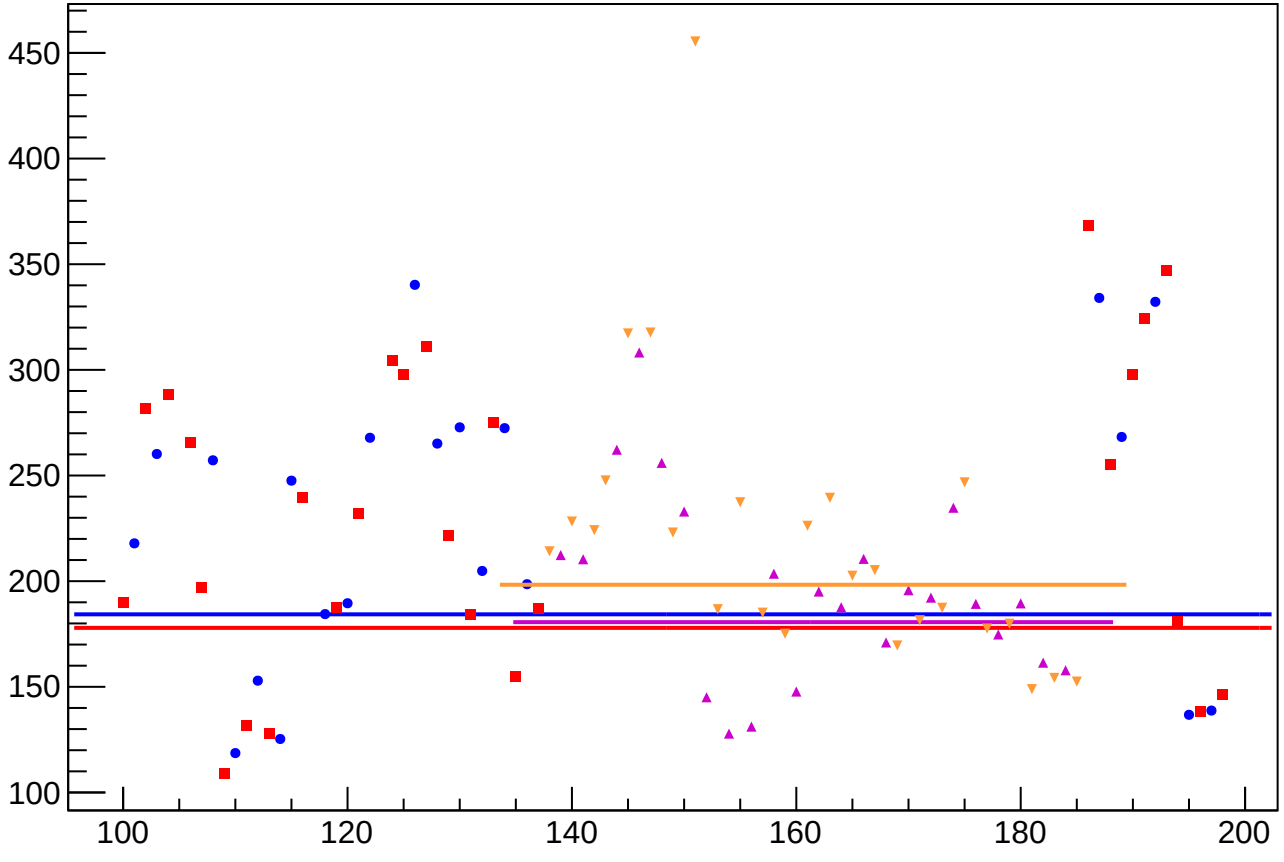
Right: -135.486+/-40.144 χ^2/NDF: 37.3/47

In: 34.934+/-35.557 χ^2/NDF:39.3/43

Out: 24.231+/-35.301 χ^2/NDF:43.3/51

All: 29.544+/-25.052 χ^2/NDF: 82.6/95

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 184.310+/-0.043 χ^2/NDF: 2005905.6/20

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

Right Out: 177.904+/-0.038 χ^2/NDF: 2773487.9/26

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

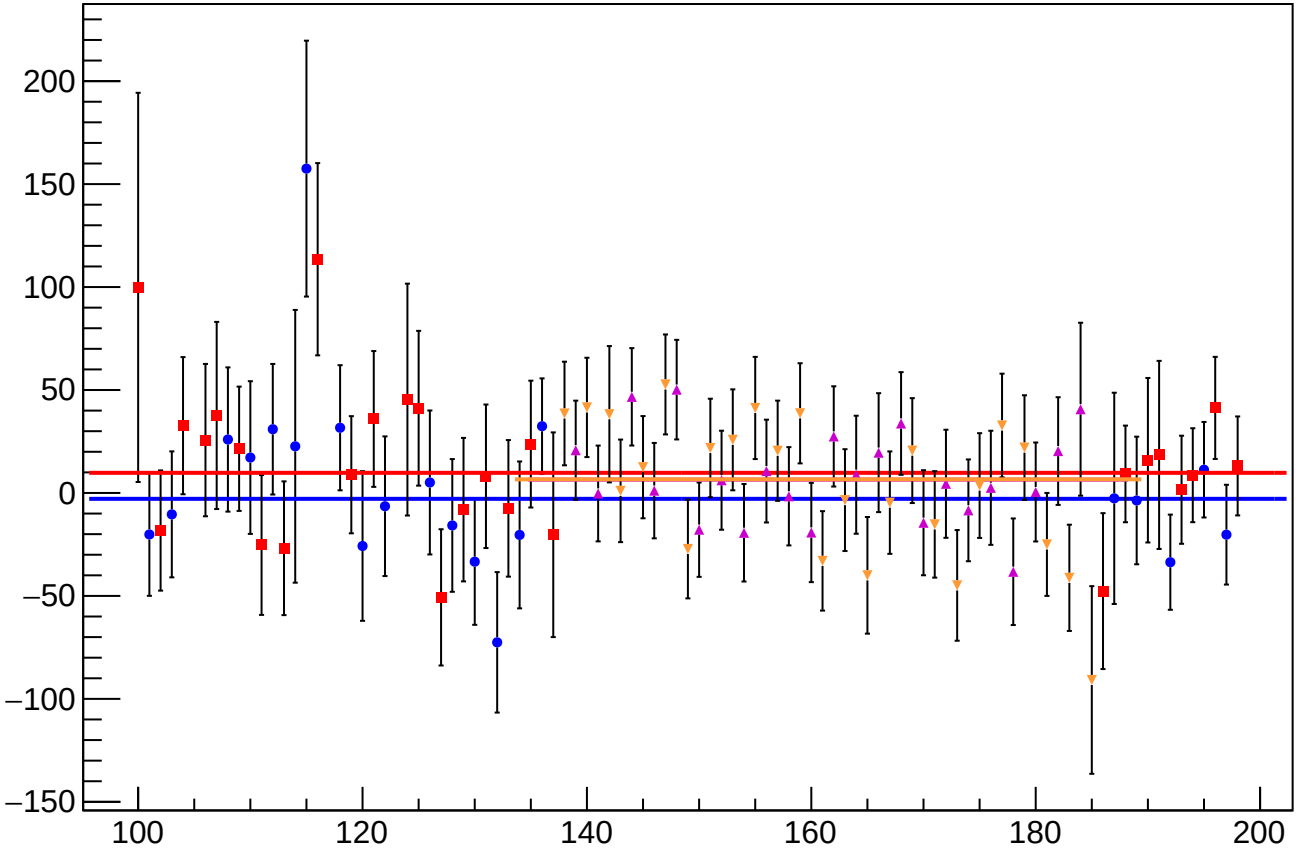
Right: 180.756+/-0.028 χ^2/NDF: 4791974.0/47

In: 181.897+/-0.025 χ^2/NDF:3638923.4/43

Out: 189.559+/-0.025 χ^2/NDF:4727522.9/51

All: 185.756+/-0.018 χ^2/NDF: 8413212.8/95

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.850+/-6.880 χ^2/NDF: 21.6/20

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: 9.779+/-6.295 χ^2/NDF: 20.6/26

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

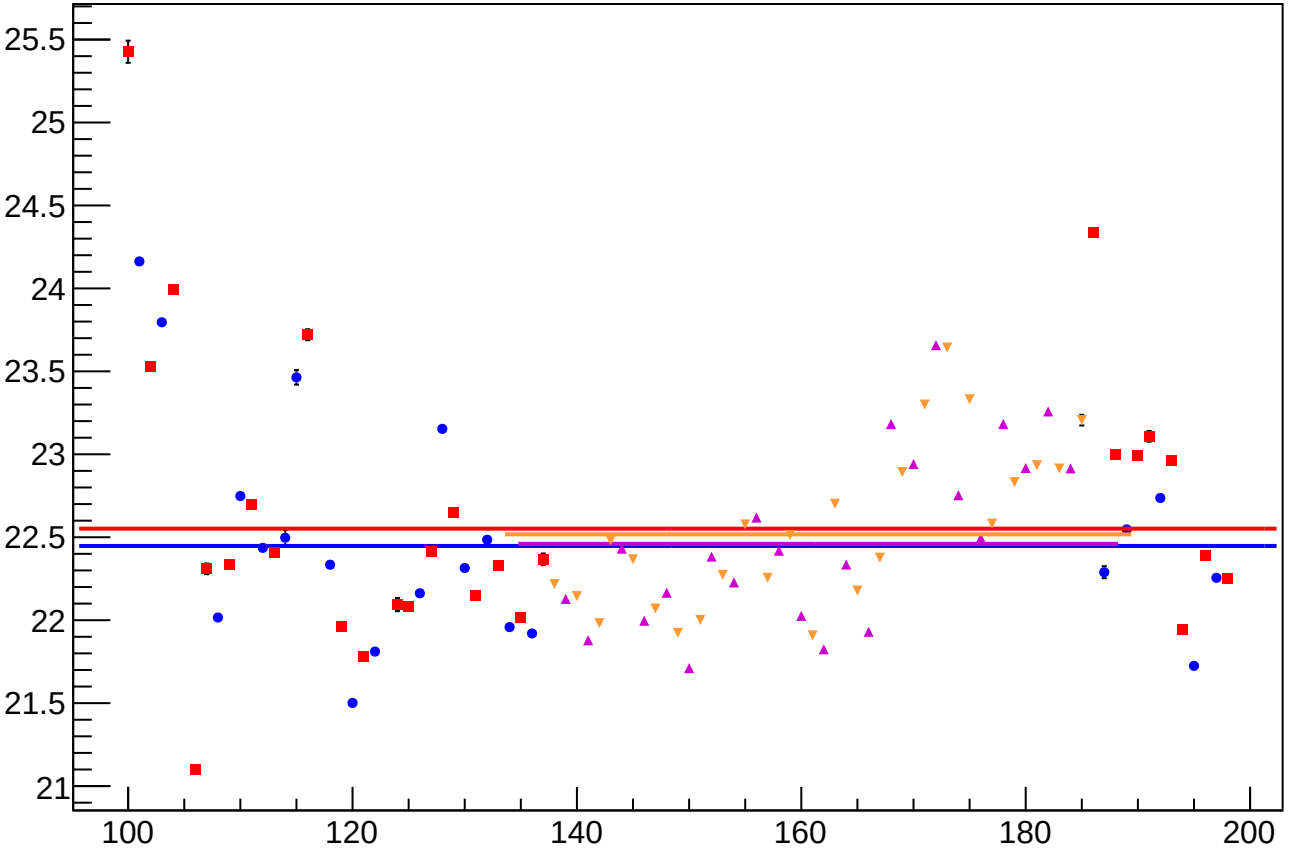
Right: 4.024+/-4.644 χ^2/NDF: 44.0/47

In: 3.051+/-4.172 χ^2/NDF:40.2/43

Out: 7.872+/-3.971 χ^2/NDF:57.6/51

All: 5.580+/-2.876 χ^2/NDF: 98.5/95

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.448+/-0.005 χ^2/NDF: 18532.9/20

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

Right Out: 22.552+/-0.004 χ^2/NDF: 23860.7/26

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

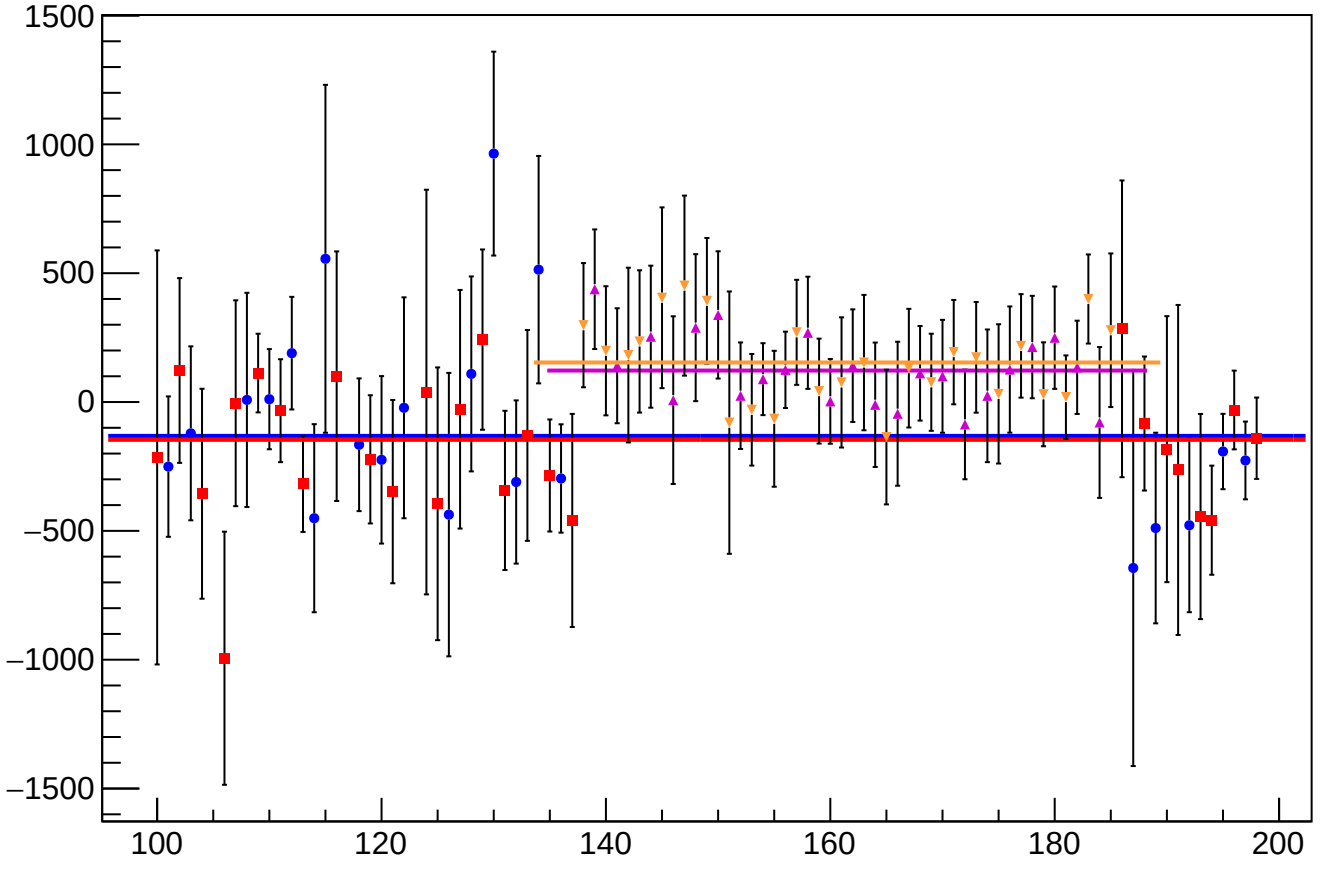
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

Right: 22.504+/-0.003 χ^2/NDF: 42643.6/47

In: 22.456+/-0.003 χ^2/NDF:37654.4/43

Out: 22.531+/-0.003 χ^2/NDF:39899.1/51

All: 22.495+/-0.002 χ^2/NDF: 77897.4/95



Right In: -131.412+/-59.971 χ^2/NDF: 19.4/20

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: -146.707+/-53.612 χ^2/NDF: 15.6/26

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

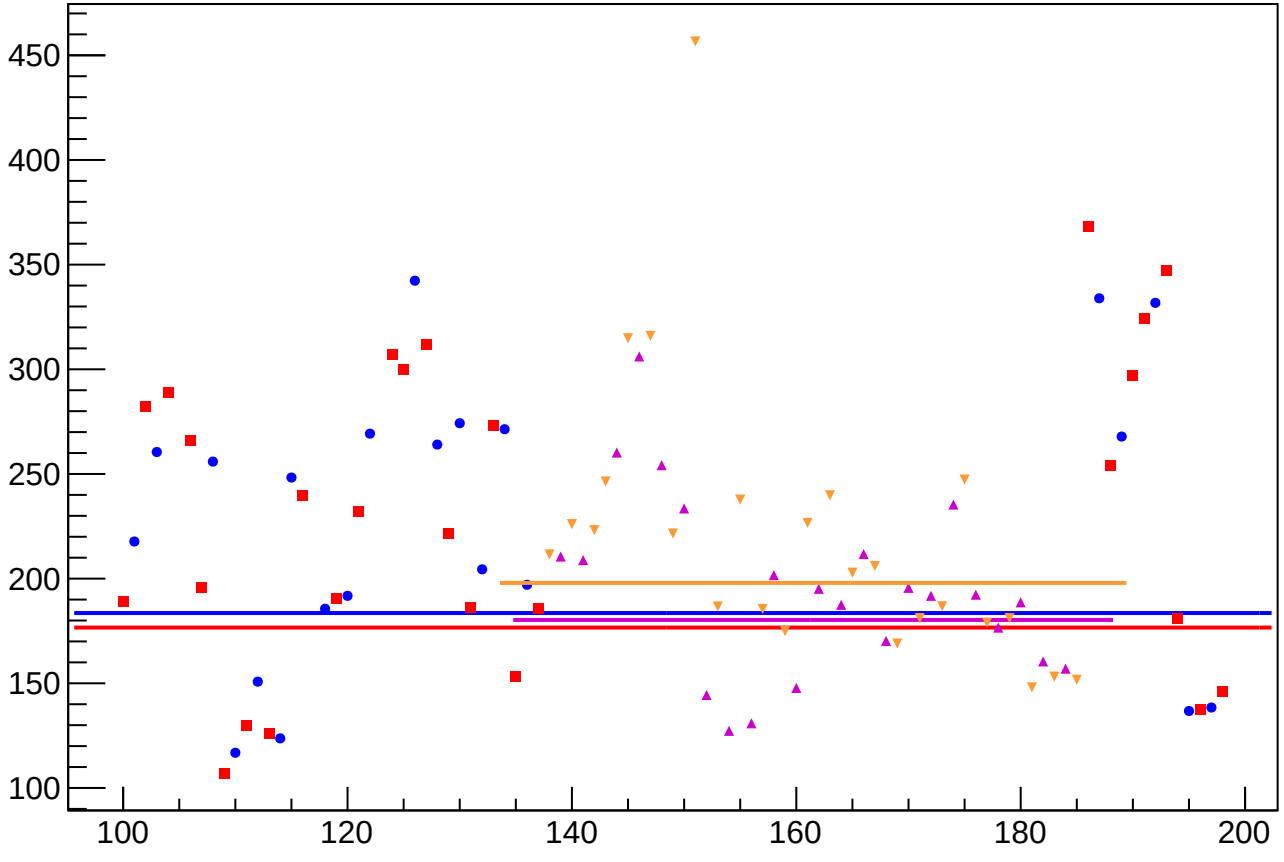
Right: -139.913+/-39.969 χ^2/NDF: 35.0/47

In: 33.415+/-35.479 χ^2/NDF:38.5/43

Out: 24.192+/-35.186 χ^2/NDF:43.5/51

All: 28.765+/-24.983 χ^2/NDF: 82.0/95

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 183.568+/-0.042 χ^2/NDF: 2038662.3/20

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

Right Out: 176.628+/-0.038 χ^2/NDF: 2852746.1/26

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

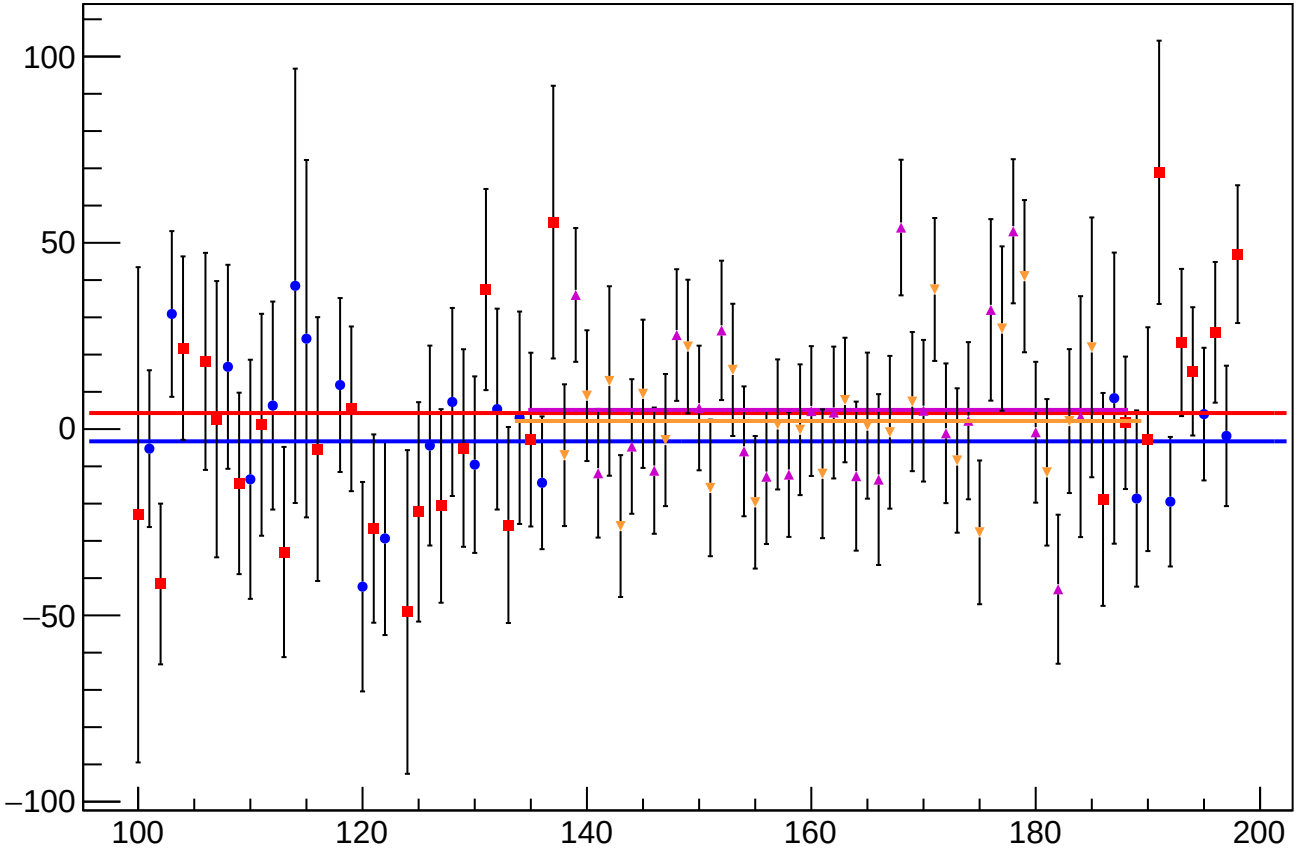
Right: 179.711+/-0.028 χ^2/NDF: 4906293.8/47

In: 181.427+/-0.025 χ^2/NDF:3667266.6/43

Out: 188.770+/-0.025 χ^2/NDF:4824295.3/51

All: 185.129+/-0.018 χ^2/NDF: 8534750.0/95

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.284+/-5.315 χ^2/NDF: 9.7/20

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: 4.309+/-4.859 χ^2/NDF: 29.7/26

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

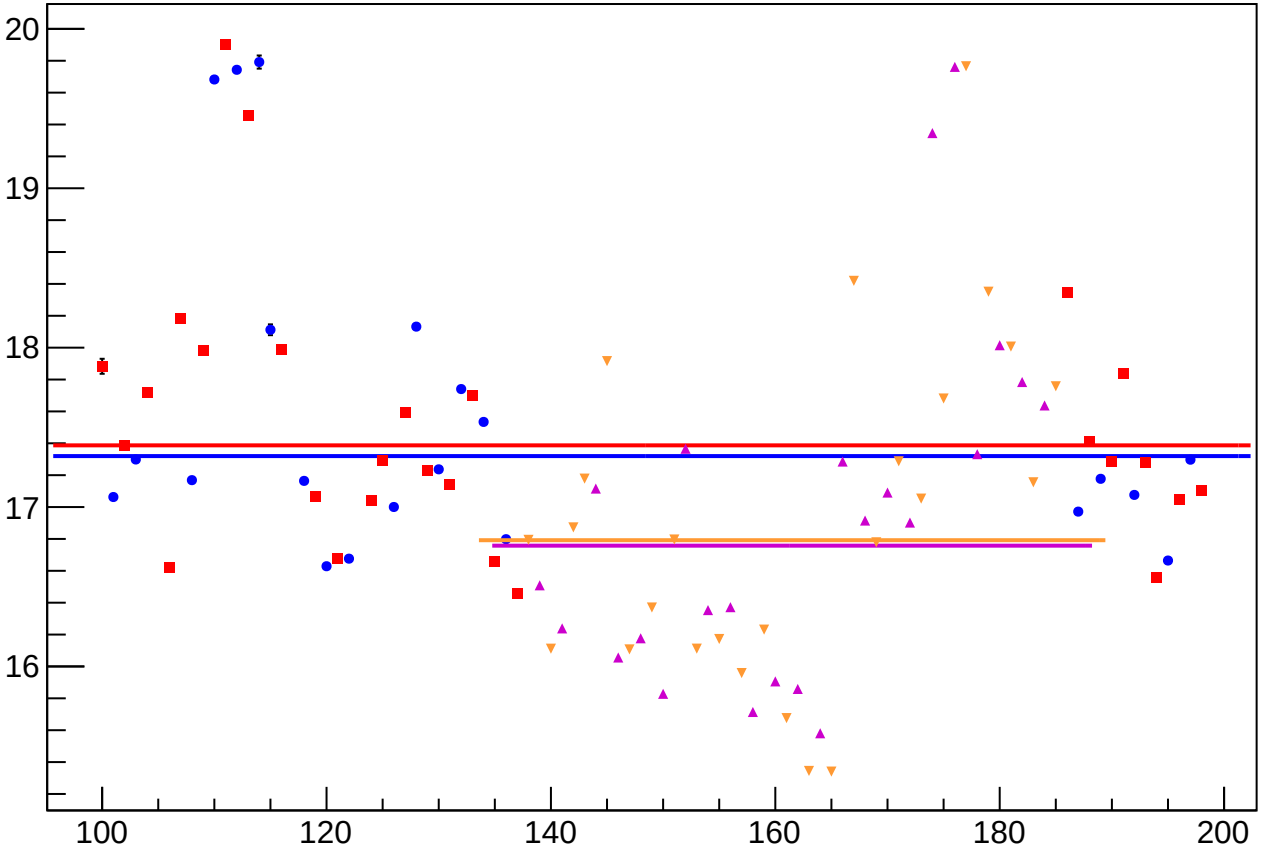
Right: 0.852+/-3.586 χ^2/NDF: 40.4/47

In: 2.175+/-3.157 χ^2/NDF:43.6/43

Out: 2.991+/-3.005 χ^2/NDF:49.7/51

All: 2.603+/-2.177 χ^2/NDF: 93.4/95

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.320+/-0.004 χ^2/NDF: 40974.4/20

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

Right Out: 17.387+/-0.003 χ^2/NDF: 44065.9/26

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

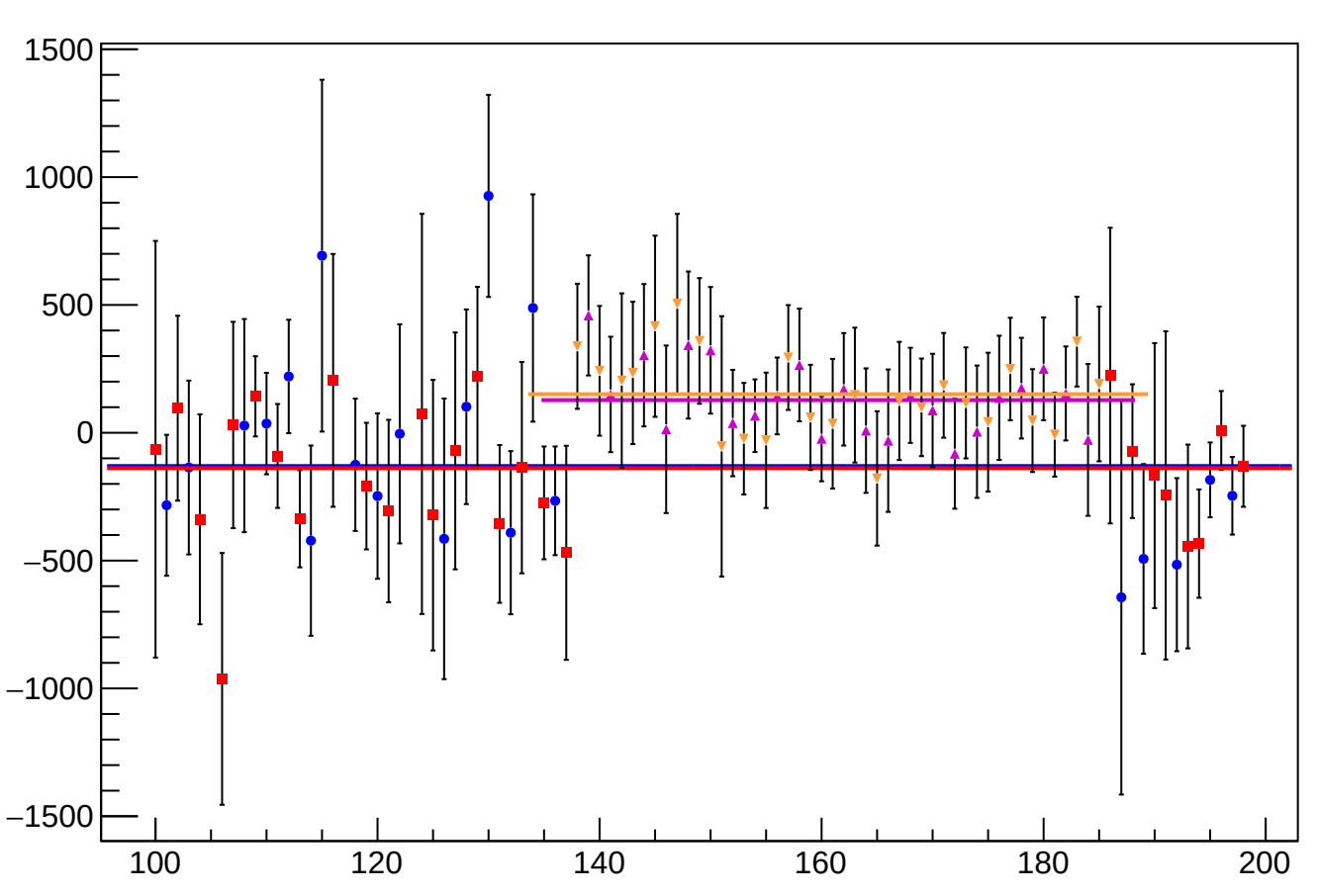
Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

Right: 17.356+/-0.003 χ^2/NDF: 85215.3/47

In: 16.956+/-0.002 χ^2/NDF:178751.4/43

Out: 17.020+/-0.002 χ^2/NDF:199590.9/51

All: 16.989+/-0.002 χ^2/NDF: 378768.5/95



Right In: -130.252+/-60.425 χ^2/NDF: 20.1/20

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: -138.383+/-54.164 χ^2/NDF: 15.5/26

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

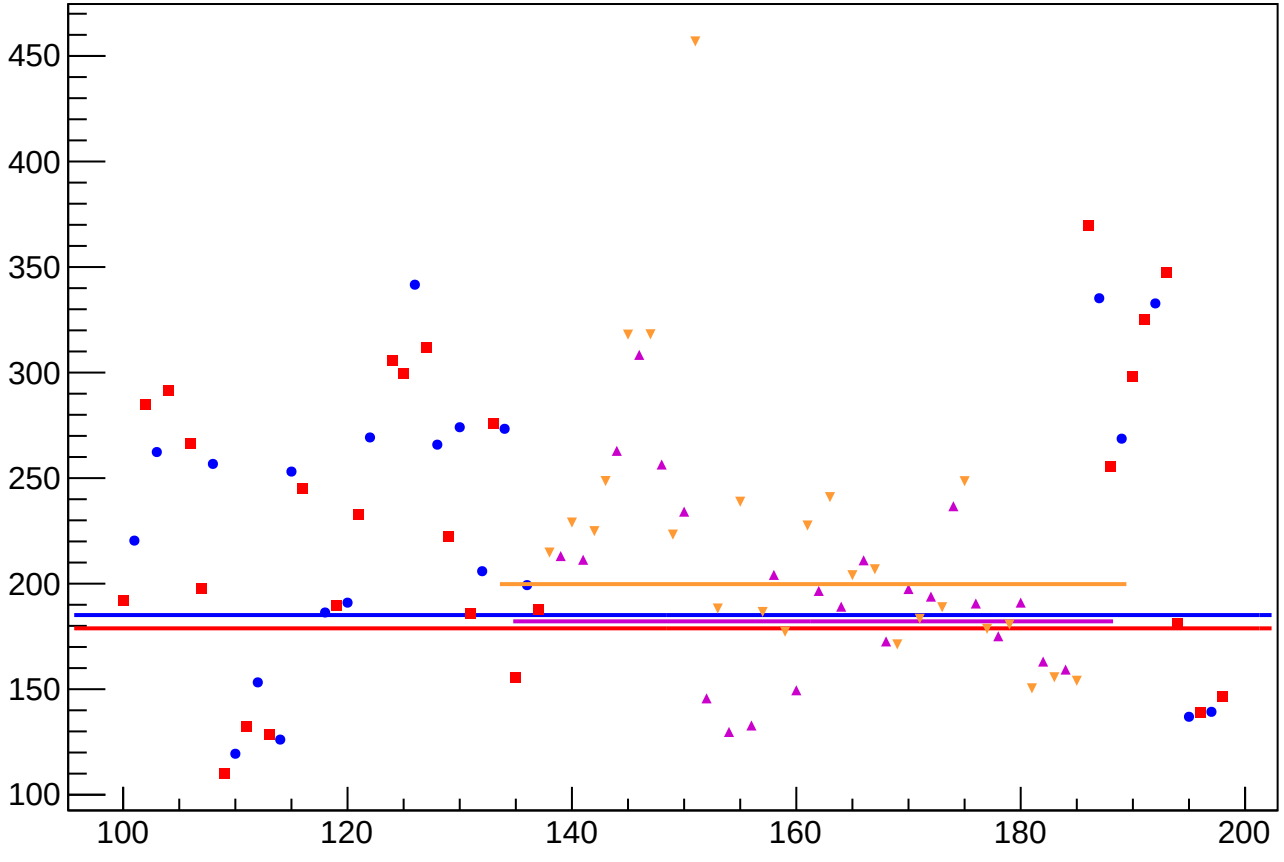
Right: -134.761+/-40.332 χ^2/NDF: 35.6/47

In: 37.195+/-35.793 χ^2/NDF:39.8/43

Out: 26.527+/-35.514 χ^2/NDF:41.7/51

All: 31.819+/-25.210 χ^2/NDF: 81.5/95

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 185.125+/-0.043 χ^2/NDF: 2009955.4/20

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

Right Out: 178.829+/-0.038 χ^2/NDF: 2770285.7/26

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

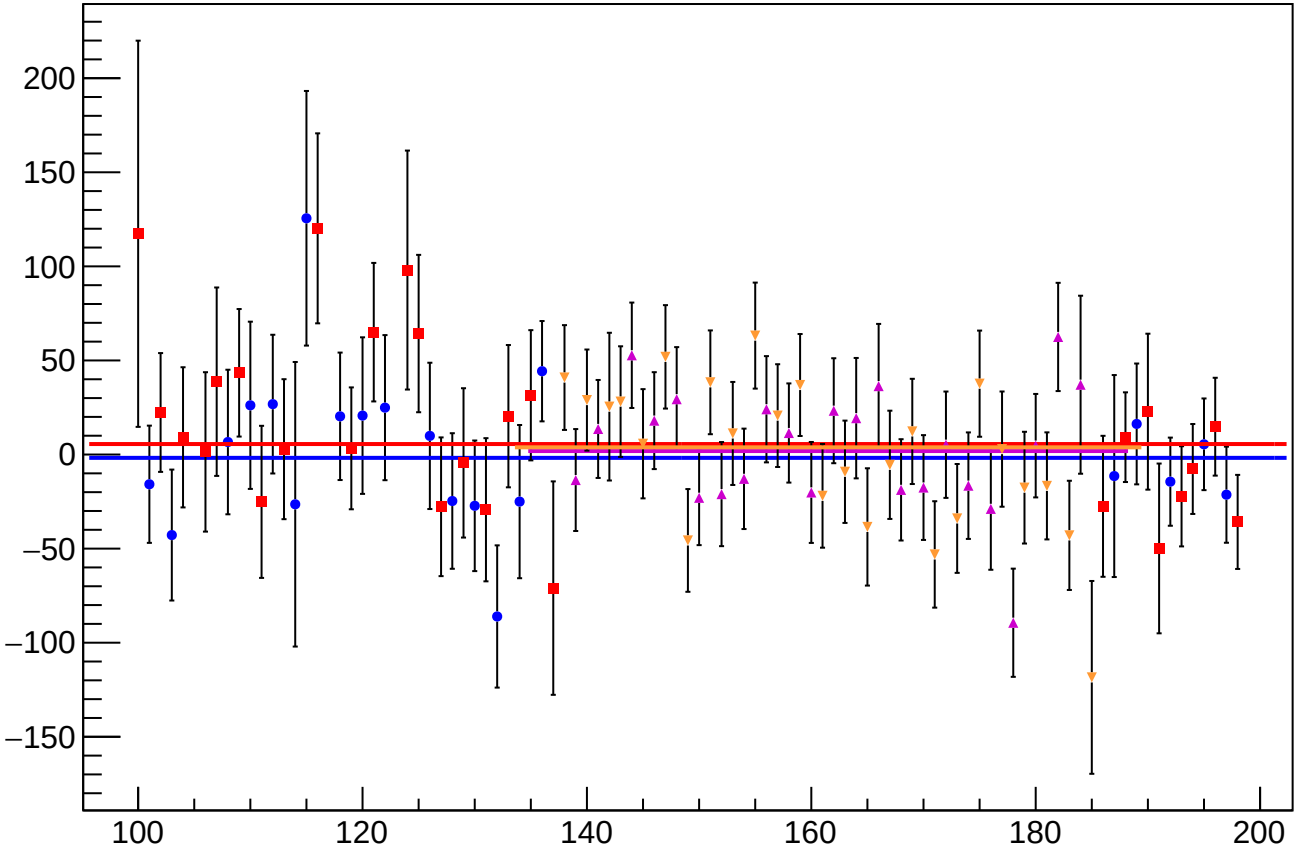
Right: 181.634+/-0.029 χ^2/NDF: 4792281.3/47

In: 183.194+/-0.025 χ^2/NDF:3597460.3/43

Out: 190.776+/-0.025 χ^2/NDF:4701287.8/51

All: 187.015+/-0.018 χ^2/NDF: 8343967.7/95

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.763+/-7.533 χ^2/NDF: 18.1/20

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: 5.576+/-6.807 χ^2/NDF: 26.6/26

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

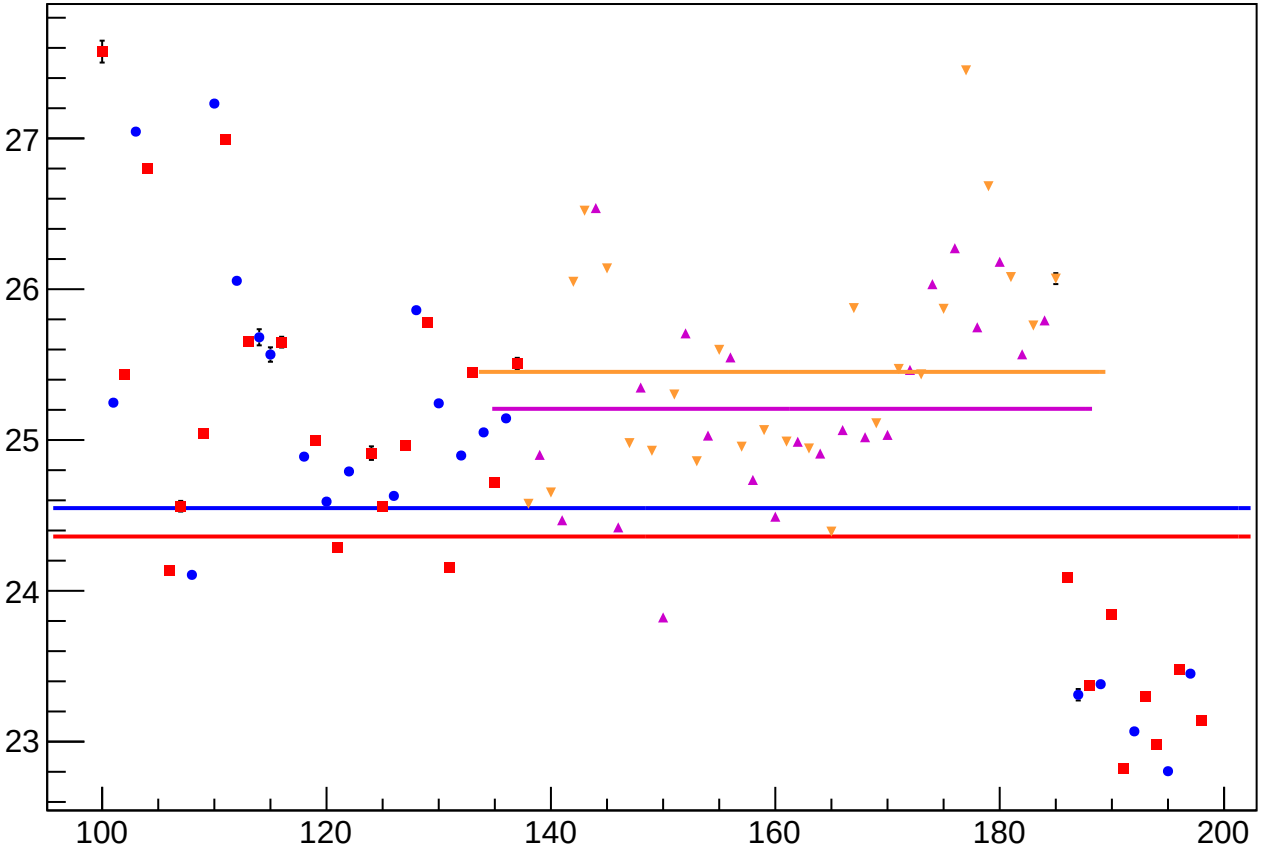
Right: 2.277+/-5.050 χ^2/NDF: 45.3/47

In: 0.478+/-4.641 χ^2/NDF:46.3/43

Out: 4.563+/-4.410 χ^2/NDF:64.3/51

All: 2.625+/-3.197 χ^2/NDF: 111.0/95

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 24.548+/-0.005 χ^2/NDF: 53974.0/20

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

Right Out: 24.360+/-0.005 χ^2/NDF: 55851.8/26

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

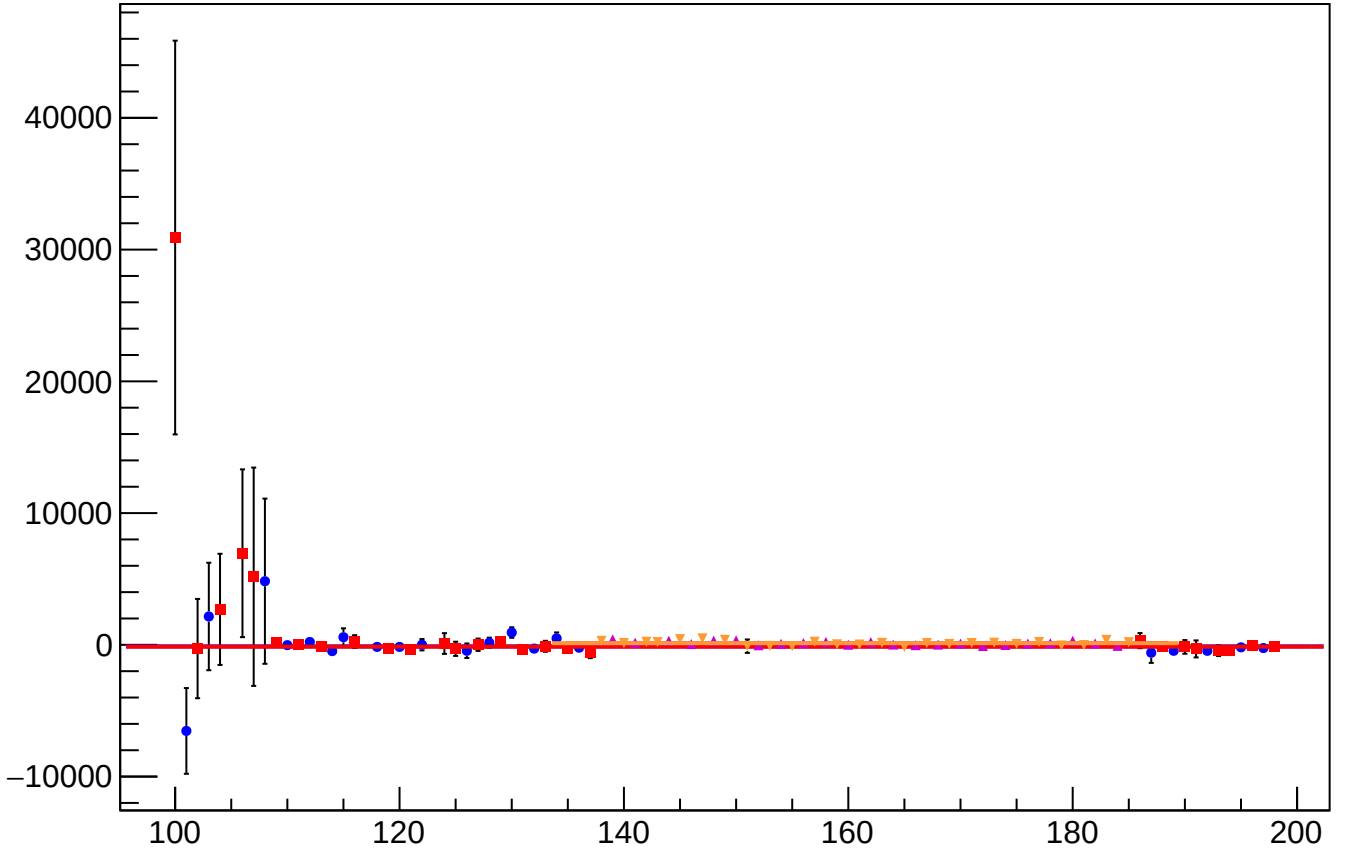
Right: 24.445+/-0.004 χ^2/NDF: 110514.3/47

In: 24.957+/-0.003 χ^2/NDF:89278.1/43

Out: 24.994+/-0.003 χ^2/NDF:115318.3/51

All: 24.976+/-0.002 χ^2/NDF: 204662.4/95

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -117.748+/-64.434 χ^2/NDF: 22.8/20

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: -138.955+/-58.602 χ^2/NDF: 17.8/26

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

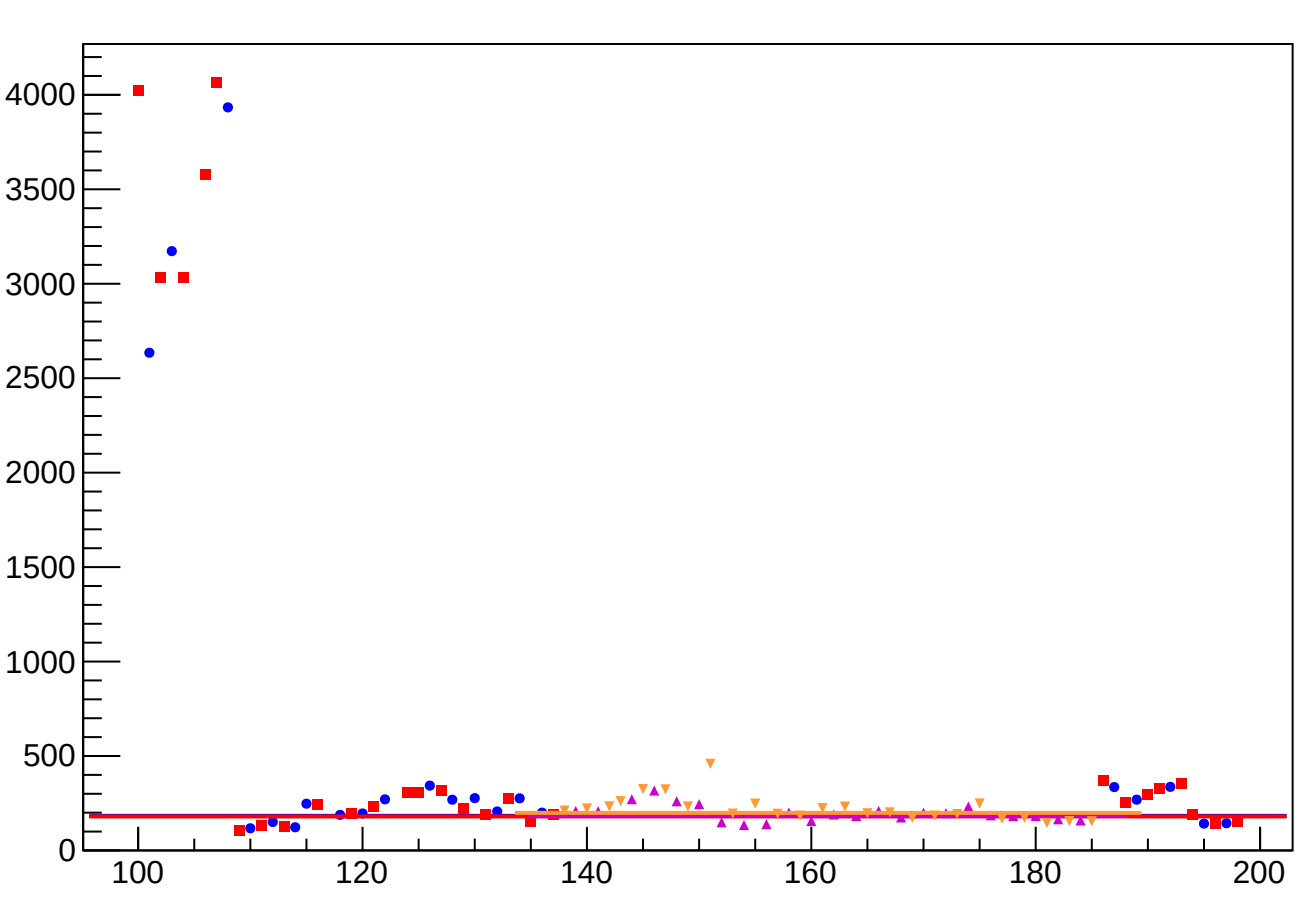
Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

Right: -129.354+/-43.353 χ^2/NDF: 40.6/47

In: 40.531+/-36.822 χ^2/NDF:39.7/43

Out: 21.974+/-36.629 χ^2/NDF:41.3/51

All: 31.204+/-25.969 χ^2/NDF: 81.1/95



Right In: 183.187+/-0.046 χ^2/NDF: 4700076.0/20

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

Right Out: 179.904+/-0.041 χ^2/NDF: 5439376.3/26

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

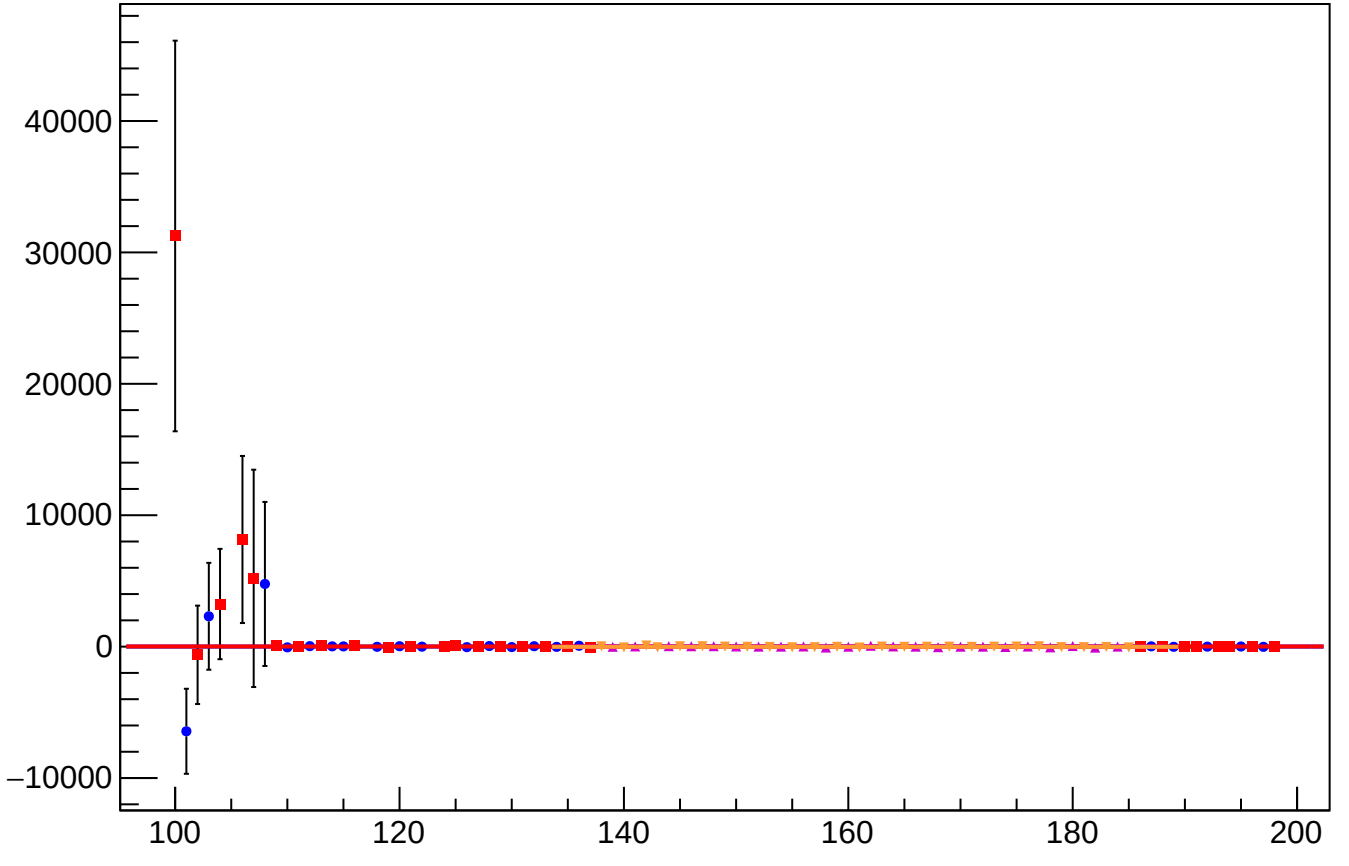
Right: 181.390+/-0.031 χ^2/NDF: 10142294.5/47

In: 184.003+/-0.026 χ^2/NDF:6146858.3/43

Out: 191.536+/-0.026 χ^2/NDF:7470850.9/51

All: 187.789+/-0.018 χ^2/NDF: 13659776.0/95

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.944+/-9.168 χ^2/NDF: 17.0/20

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: 12.976+/-8.440 χ^2/NDF: 28.3/26

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

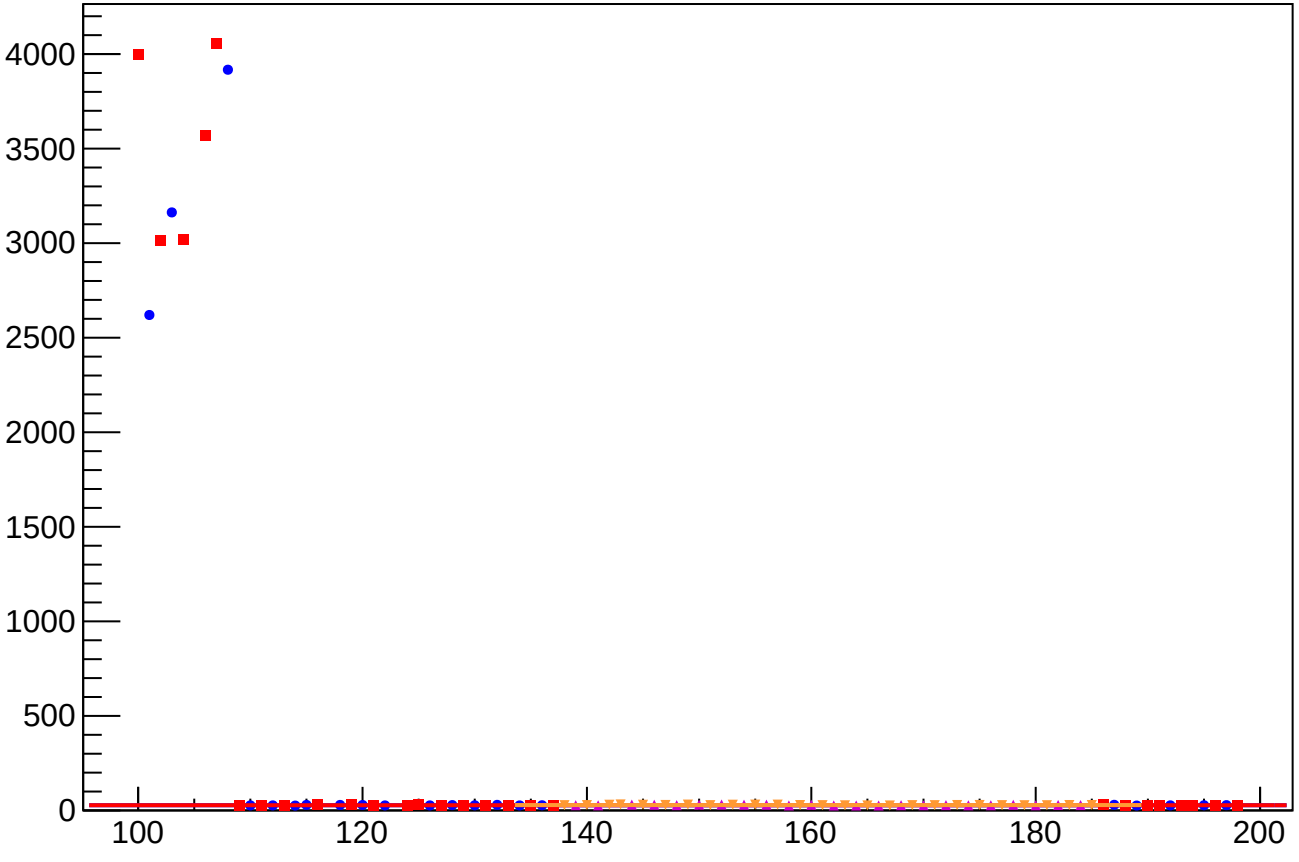
Right: 9.291+/-6.210 χ^2/NDF: 45.7/47

In: 3.138+/-5.411 χ^2/NDF:45.3/43

Out: -4.453+/-5.156 χ^2/NDF:57.4/51

All: -0.841+/-3.733 χ^2/NDF: 103.7/95

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.498+/-0.006 χ^2/NDF: 3273494.0/20

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

Right Out: 27.637+/-0.006 χ^2/NDF: 3581589.8/26

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

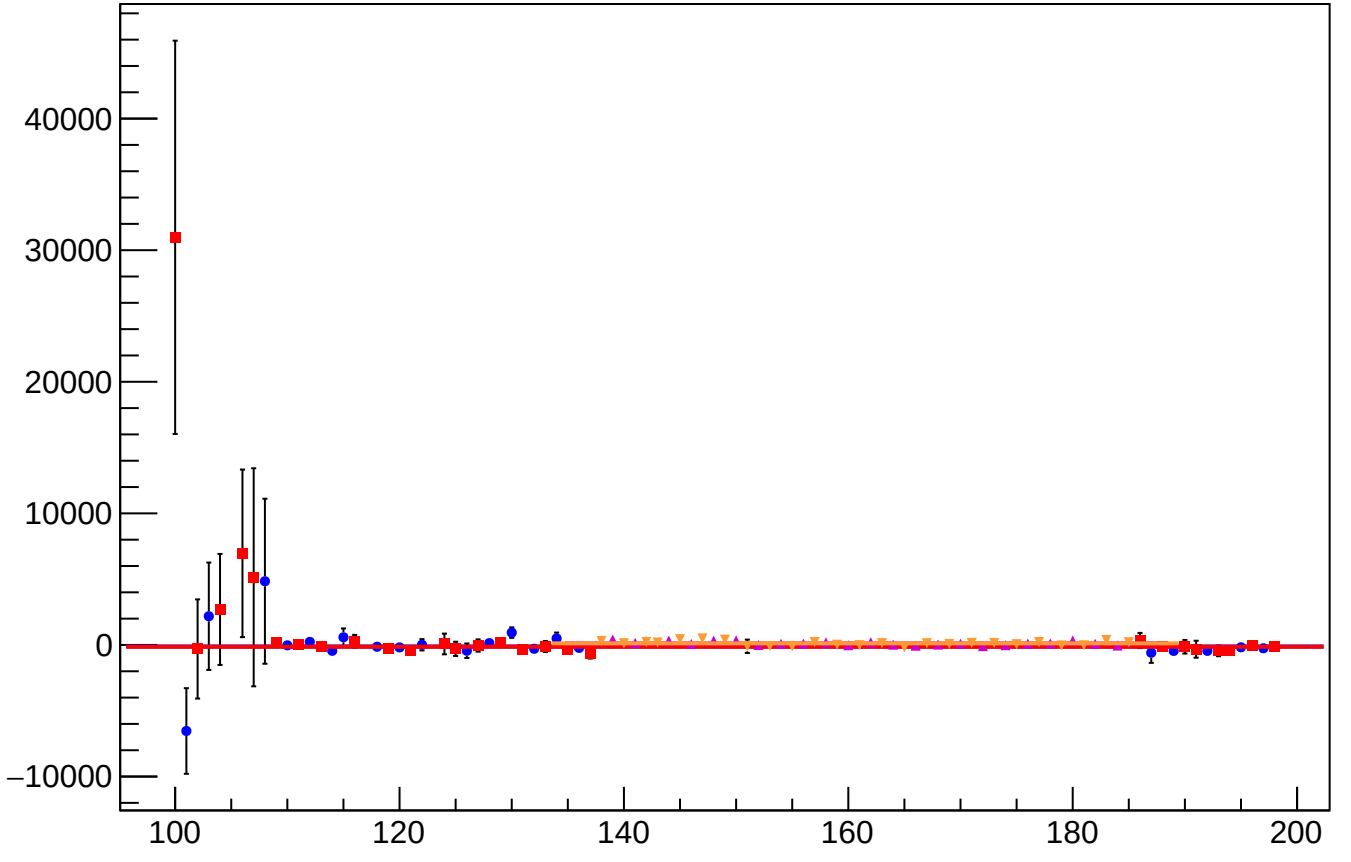
Right: 27.573+/-0.004 χ^2/NDF: 6855332.2/47

In: 28.220+/-0.004 χ^2/NDF:3415449.2/43

Out: 28.232+/-0.004 χ^2/NDF:3685562.7/51

All: 28.226+/-0.003 χ^2/NDF: 7101016.9/95

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -115.490+/-64.251 χ^2/NDF: 22.8/20

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: -137.926+/-58.441 χ^2/NDF: 18.1/26

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

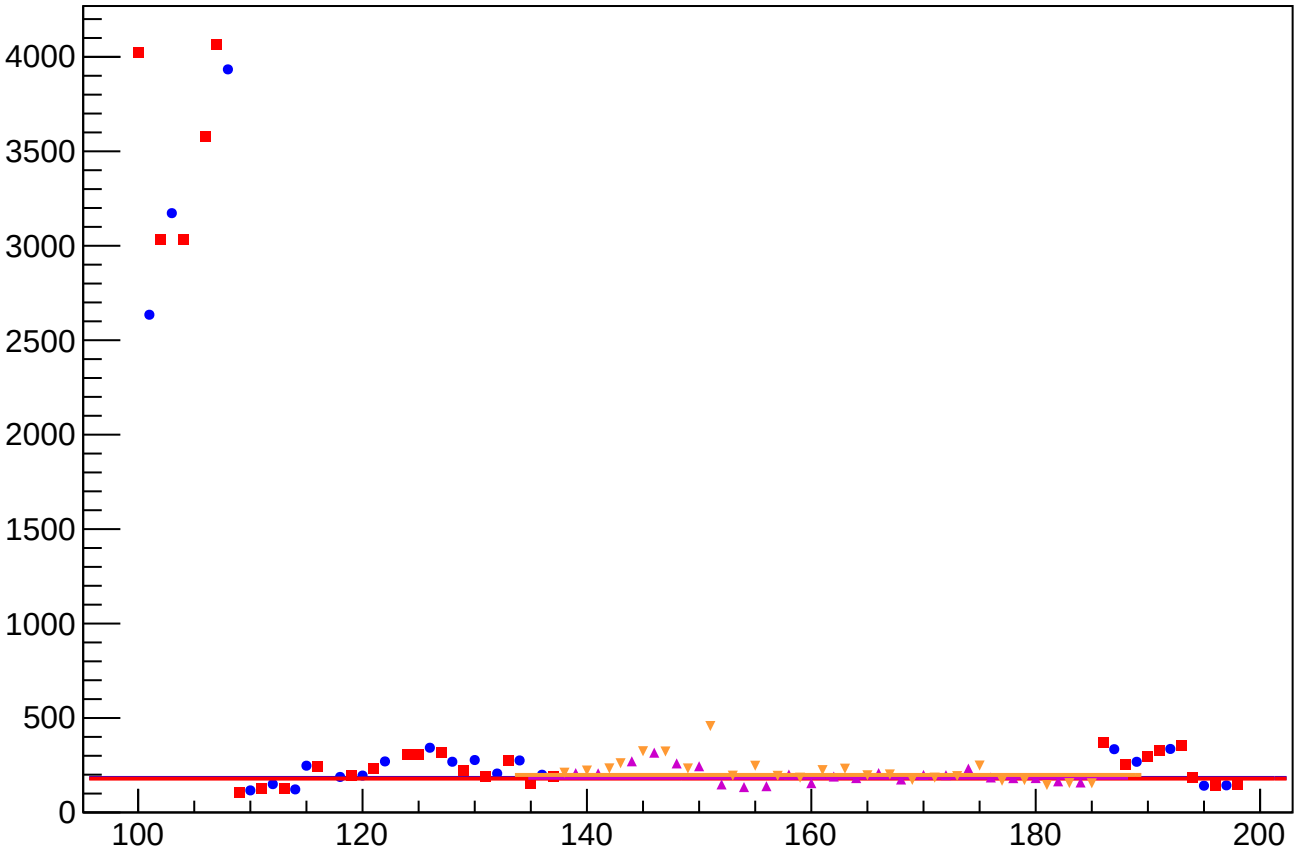
Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

Right: -127.768+/-43.233 χ^2/NDF: 41.0/47

In: 40.468+/-36.741 χ^2/NDF:40.0/43

Out: 20.323+/-36.542 χ^2/NDF:42.1/51

All: 30.341+/-25.909 χ^2/NDF: 82.3/95



Right In: 182.594+/-0.045 χ^2/NDF: 4713792.0/20

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

Right Out: 179.322+/-0.041 χ^2/NDF: 5458219.9/26

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

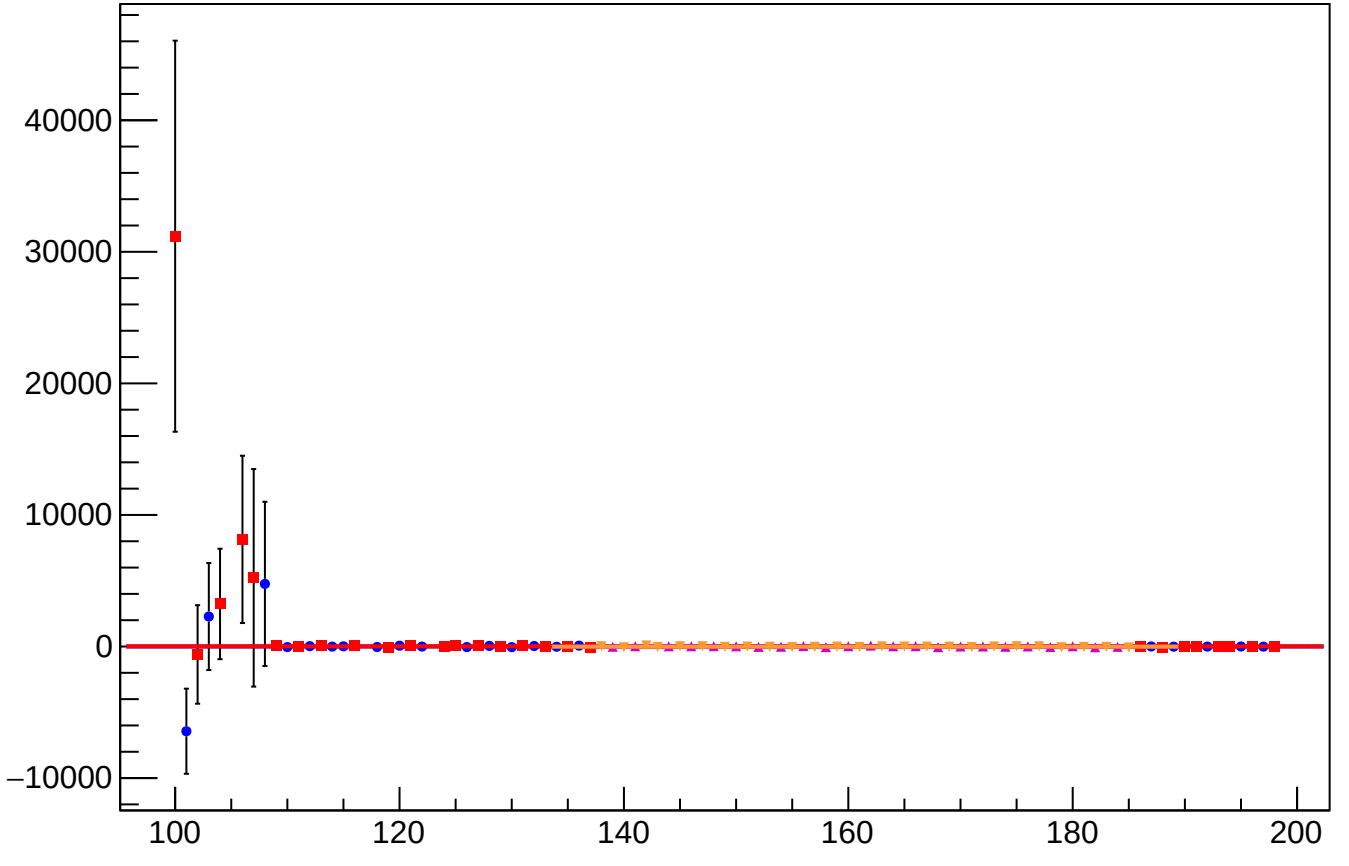
Right: 180.804+/-0.031 χ^2/NDF: 10174849.1/47

In: 183.574+/-0.026 χ^2/NDF:6159910.4/43

Out: 191.045+/-0.026 χ^2/NDF:7491854.9/51

All: 187.330+/-0.018 χ^2/NDF: 13693333.1/95

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.808+/-9.188 χ^2/NDF: 18.8/20

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: 13.781+/-8.453 χ^2/NDF: 27.3/26

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

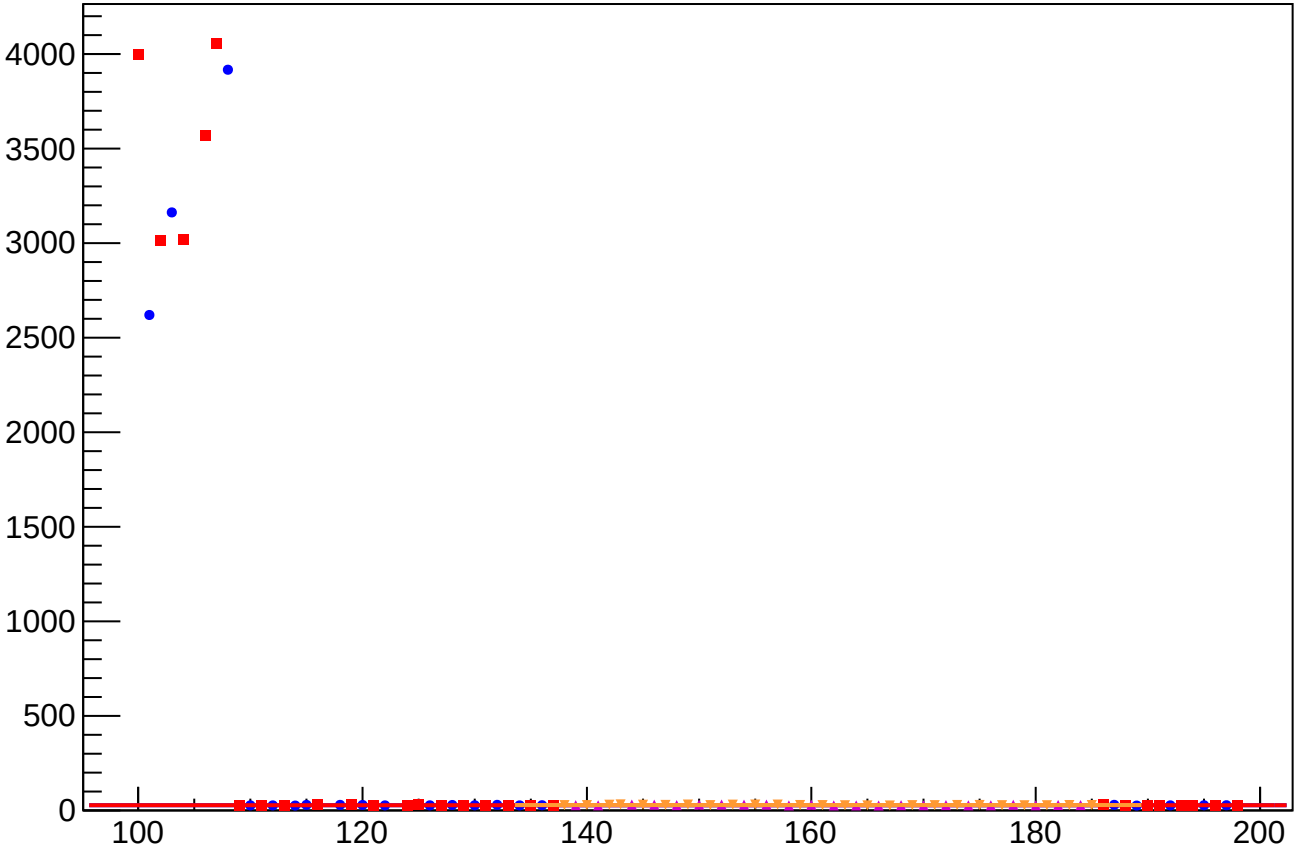
Right: 8.292+/-6.221 χ^2/NDF: 47.0/47

In: 2.308+/-5.430 χ^2/NDF:41.0/43

Out: -2.260+/-5.173 χ^2/NDF:50.9/51

All: -0.087+/-3.746 χ^2/NDF: 92.3/95

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.554+/-0.006 χ^2/NDF: 3274767.1/20

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

Right Out: 27.681+/-0.006 χ^2/NDF: 3578077.6/26

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

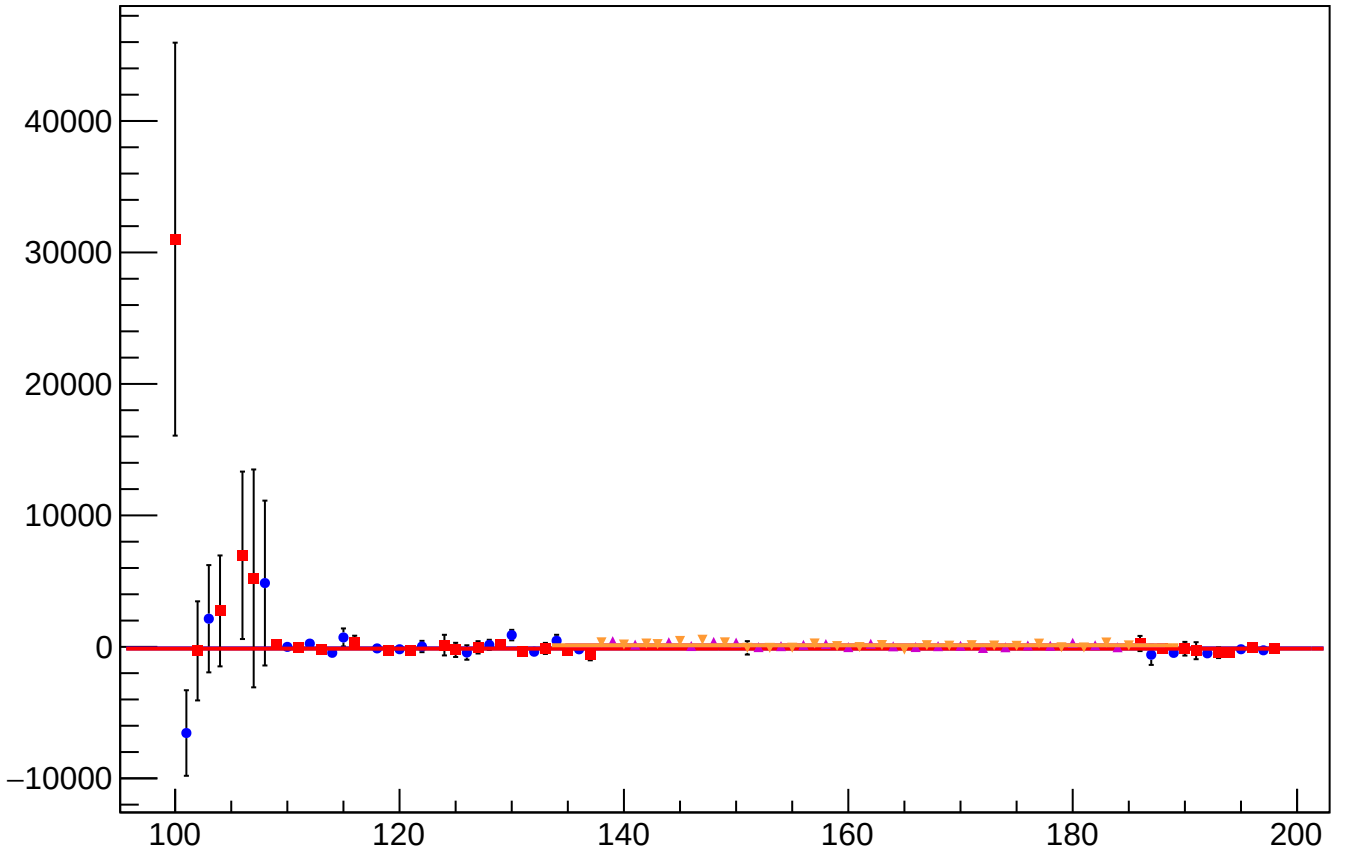
Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

Right: 27.623+/-0.004 χ^2/NDF: 6853052.6/47

In: 28.318+/-0.004 χ^2/NDF:3423377.3/43

Out: 28.323+/-0.004 χ^2/NDF:3695367.6/51

All: 28.321+/-0.003 χ^2/NDF: 7118746.0/95



Right In: -114.566+/-64.819 χ^2/NDF: 23.4/20

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: -134.820+/-59.027 χ^2/NDF: 17.3/26

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

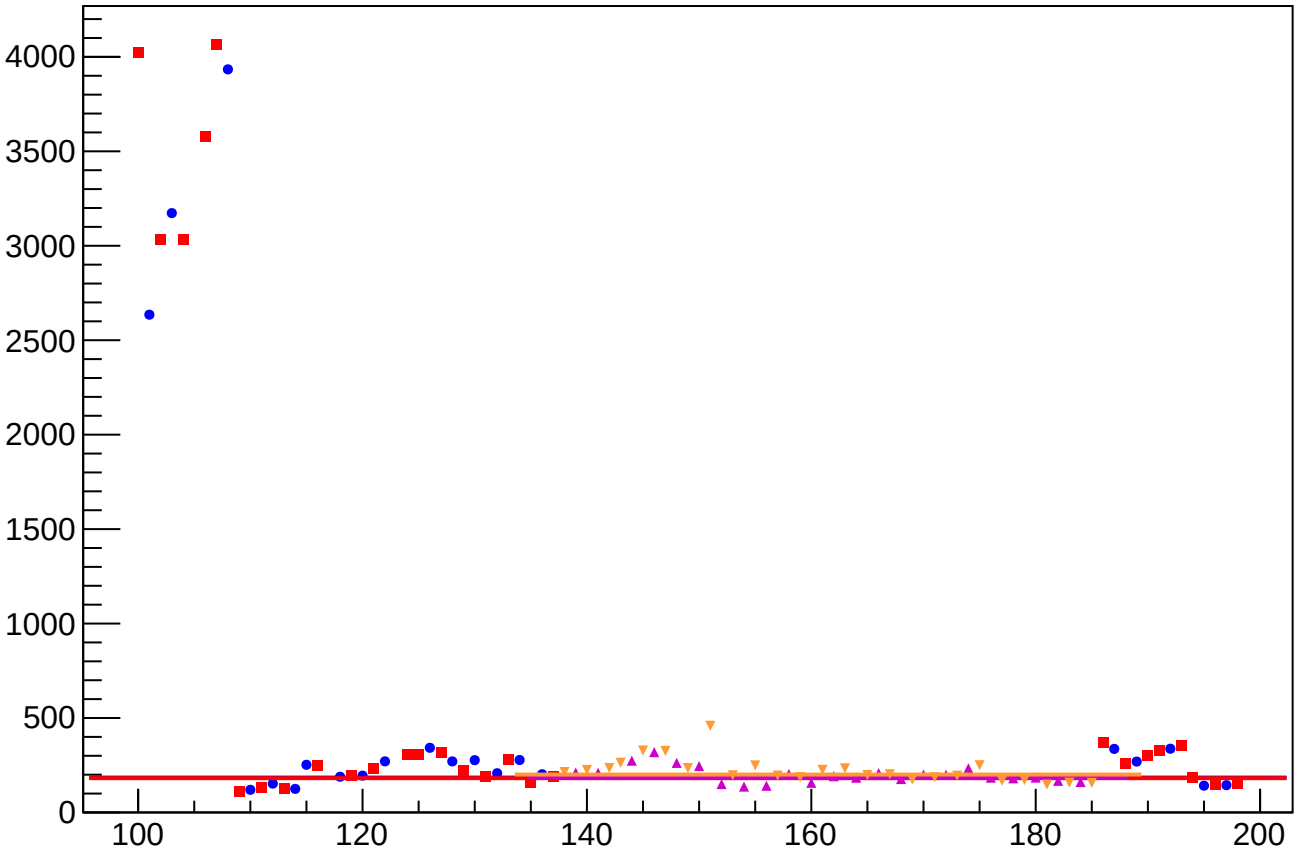
Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

Right: -125.639+/-43.643 χ^2/NDF: 40.8/47

In: 45.145+/-37.114 χ^2/NDF:40.9/43

Out: 22.102+/-36.911 χ^2/NDF:40.2/51

All: 33.560+/-26.171 χ^2/NDF: 81.4/95



Right In: 184.445+/-0.046 χ^2/NDF: 4675064.8/20

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 181.492+/-0.042 χ^2/NDF: 5385130.8/26

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

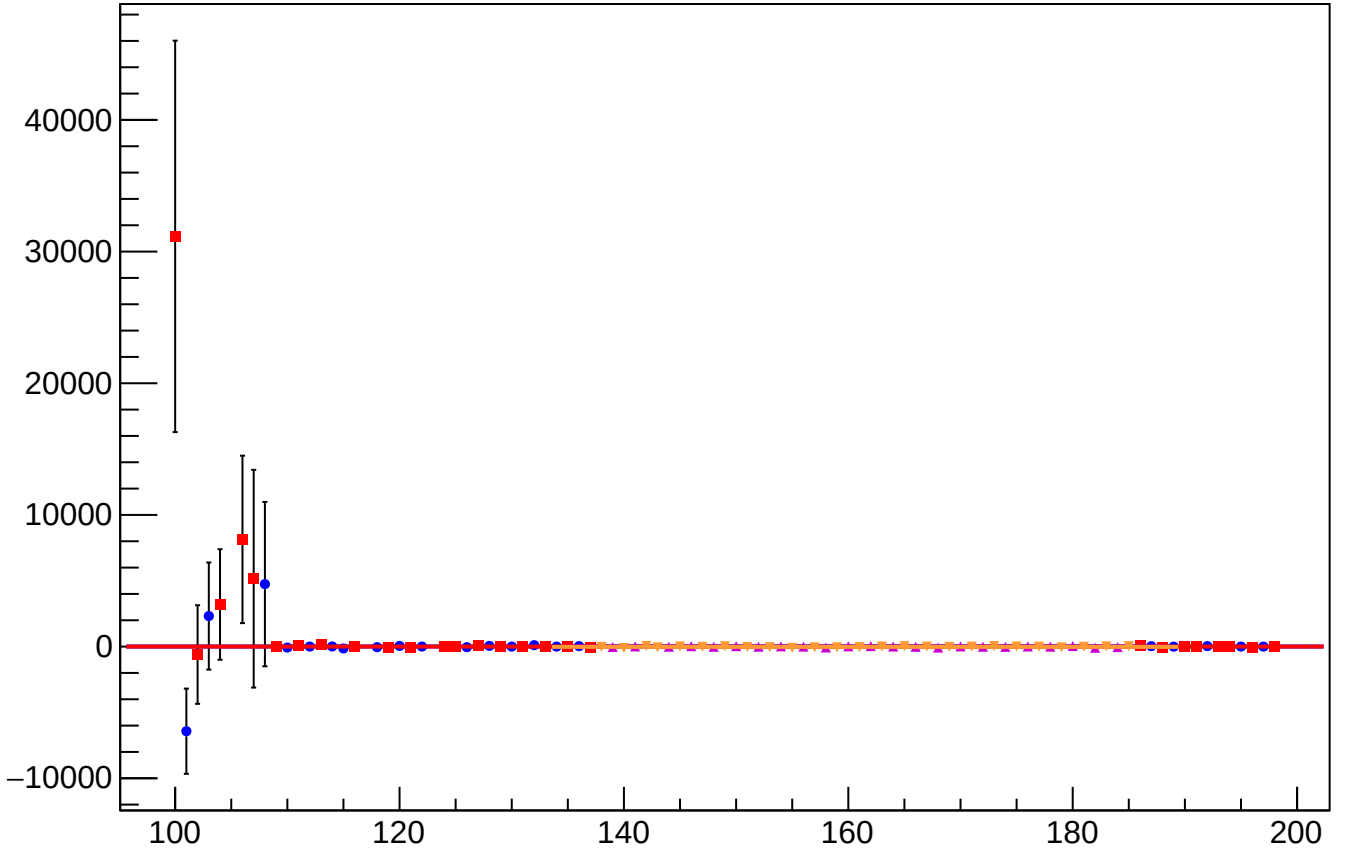
Right: 182.831+/-0.031 χ^2/NDF: 10062464.9/47

In: 185.604+/-0.026 χ^2/NDF:6089402.9/43

Out: 193.180+/-0.026 χ^2/NDF:7393991.7/51

All: 189.413+/-0.019 χ^2/NDF: 13525297.7/95

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 8.009+/-11.198 χ^2/NDF: 18.5/20

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: 3.308+/-10.294 χ^2/NDF: 29.1/26

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

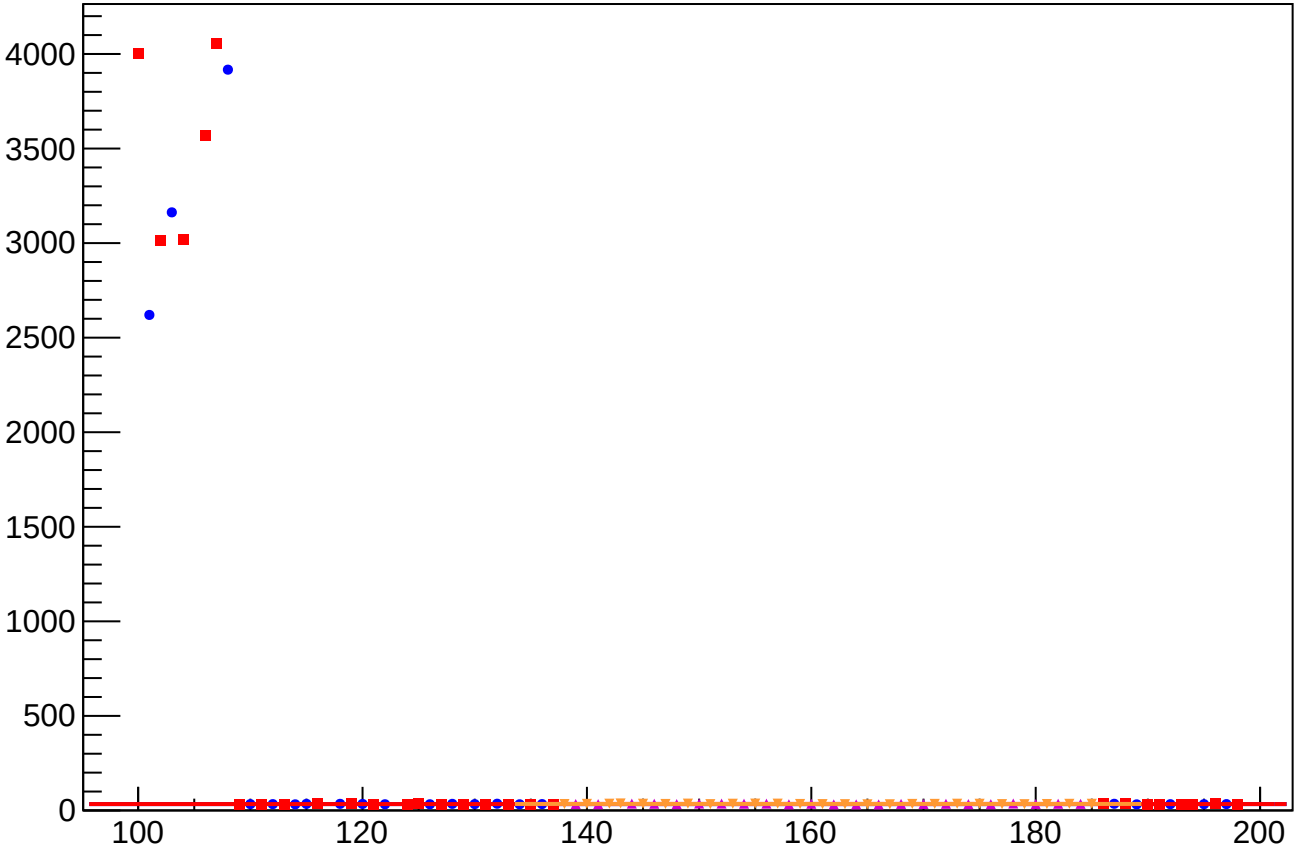
Right: 5.461+/-7.578 χ^2/NDF: 47.7/47

In: 0.095+/-6.554 χ^2/NDF:38.2/43

Out: -12.227+/-6.235 χ^2/NDF:55.6/51

All: -6.374+/-4.517 χ^2/NDF: 95.6/95

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.629+/-0.008 χ^2/NDF: 3248689.8/20

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

Right Out: 33.767+/-0.007 χ^2/NDF: 3537714.5/26

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

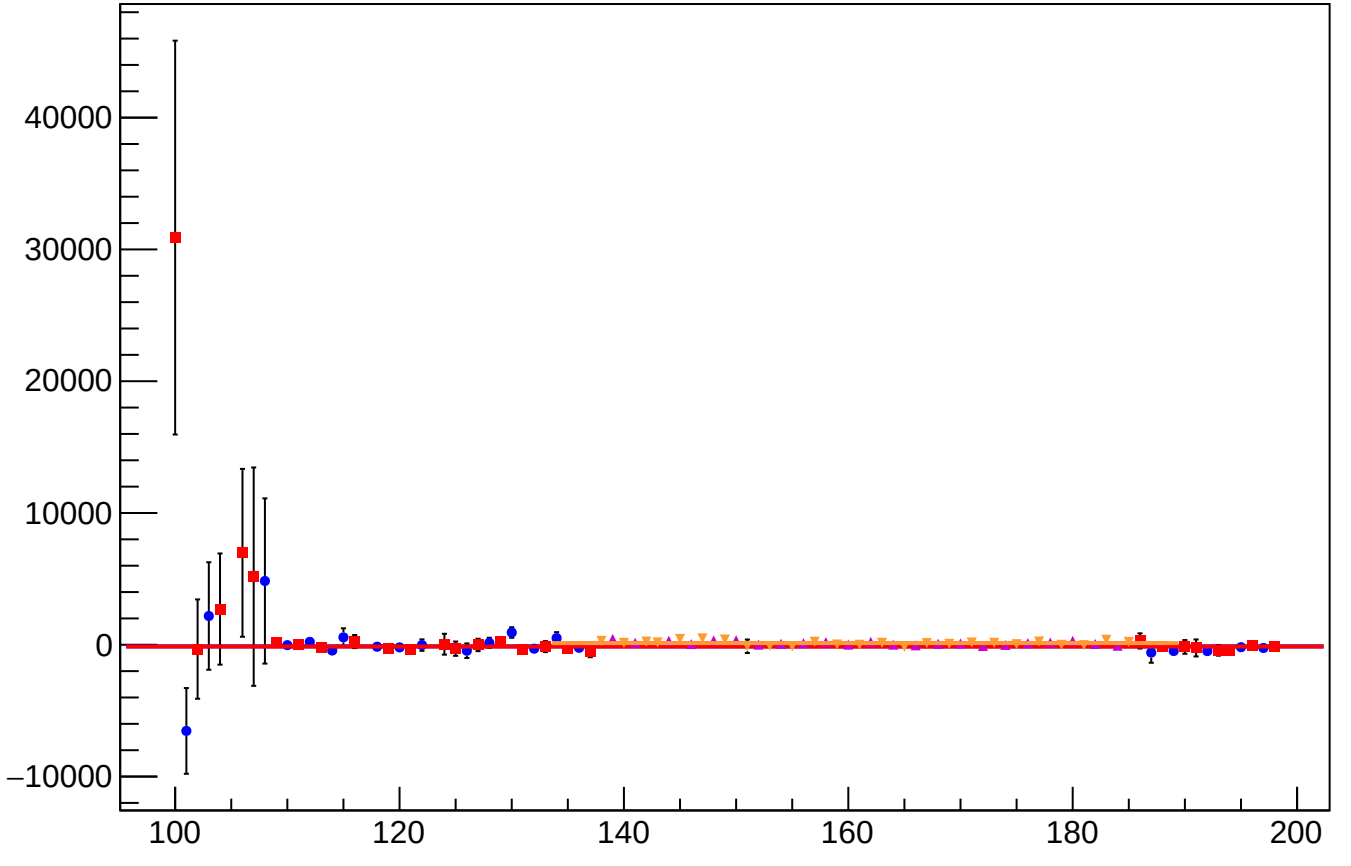
Right: 33.703+/-0.005 χ^2/NDF: 6786569.2/47

In: 34.236+/-0.005 χ^2/NDF:3316912.4/43

Out: 34.192+/-0.004 χ^2/NDF:3587796.5/51

All: 34.213+/-0.003 χ^2/NDF: 6904755.2/95

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -121.117+/-64.594 χ^2/NDF: 22.7/20

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: -133.614+/-58.753 χ^2/NDF: 16.7/26

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

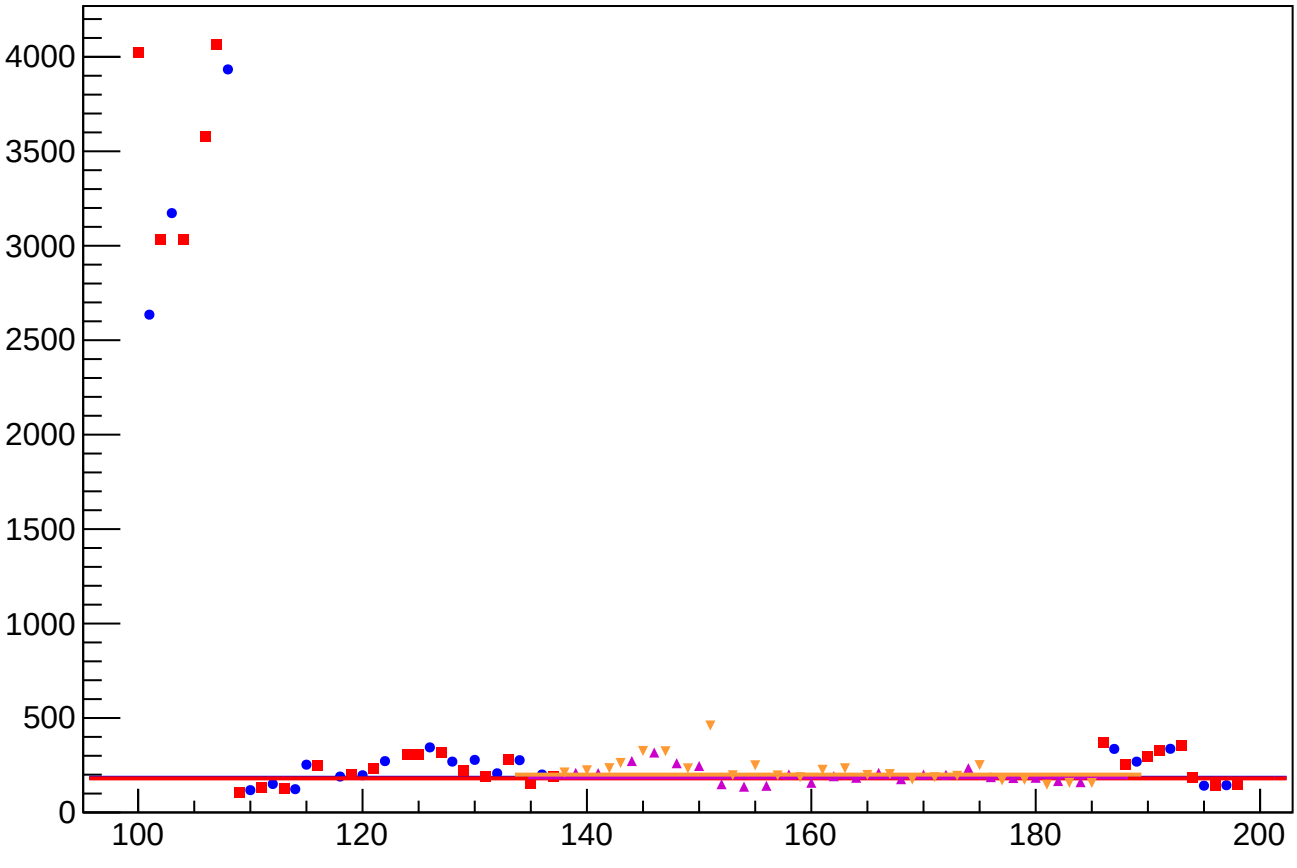
Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

Right: -127.956+/-43.463 χ^2/NDF: 39.4/47

In: 42.632+/-37.033 χ^2/NDF:40.3/43

Out: 25.122+/-36.810 χ^2/NDF:40.3/51

All: 33.824+/-26.107 χ^2/NDF: 80.7/95



Right In: 183.611+/-0.046 χ^2/NDF: 4707238.3/20

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

Right Out: 180.373+/-0.042 χ^2/NDF: 5441936.2/26

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

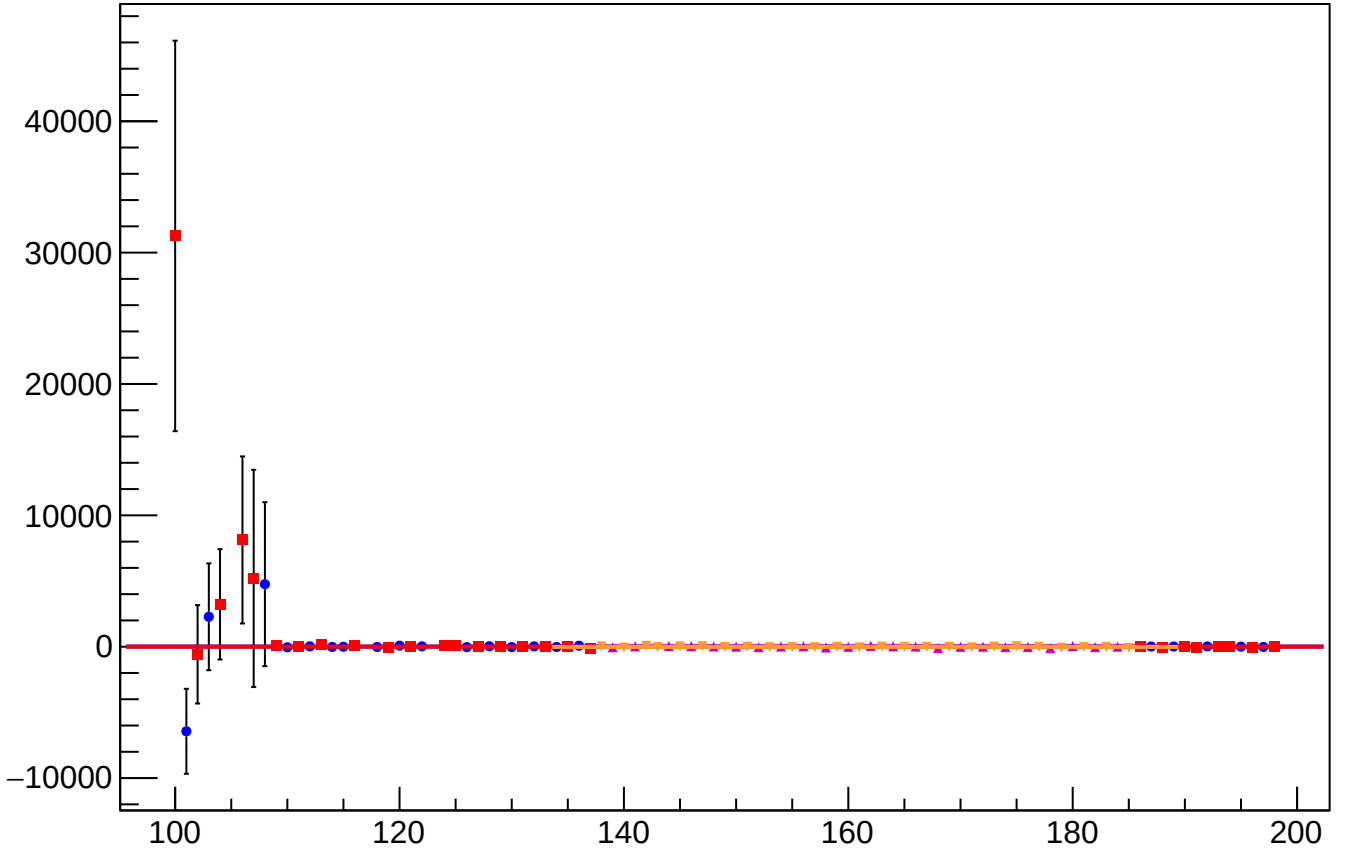
Right: 181.839+/-0.031 χ^2/NDF: 10151925.0/47

In: 185.128+/-0.026 χ^2/NDF:6114407.6/43

Out: 192.522+/-0.026 χ^2/NDF:7459241.5/51

All: 188.847+/-0.018 χ^2/NDF: 13613748.9/95

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 10.810+/-10.176 χ^2/NDF: 16.4/20

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: 4.656+/-9.342 χ^2/NDF: 35.7/26

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

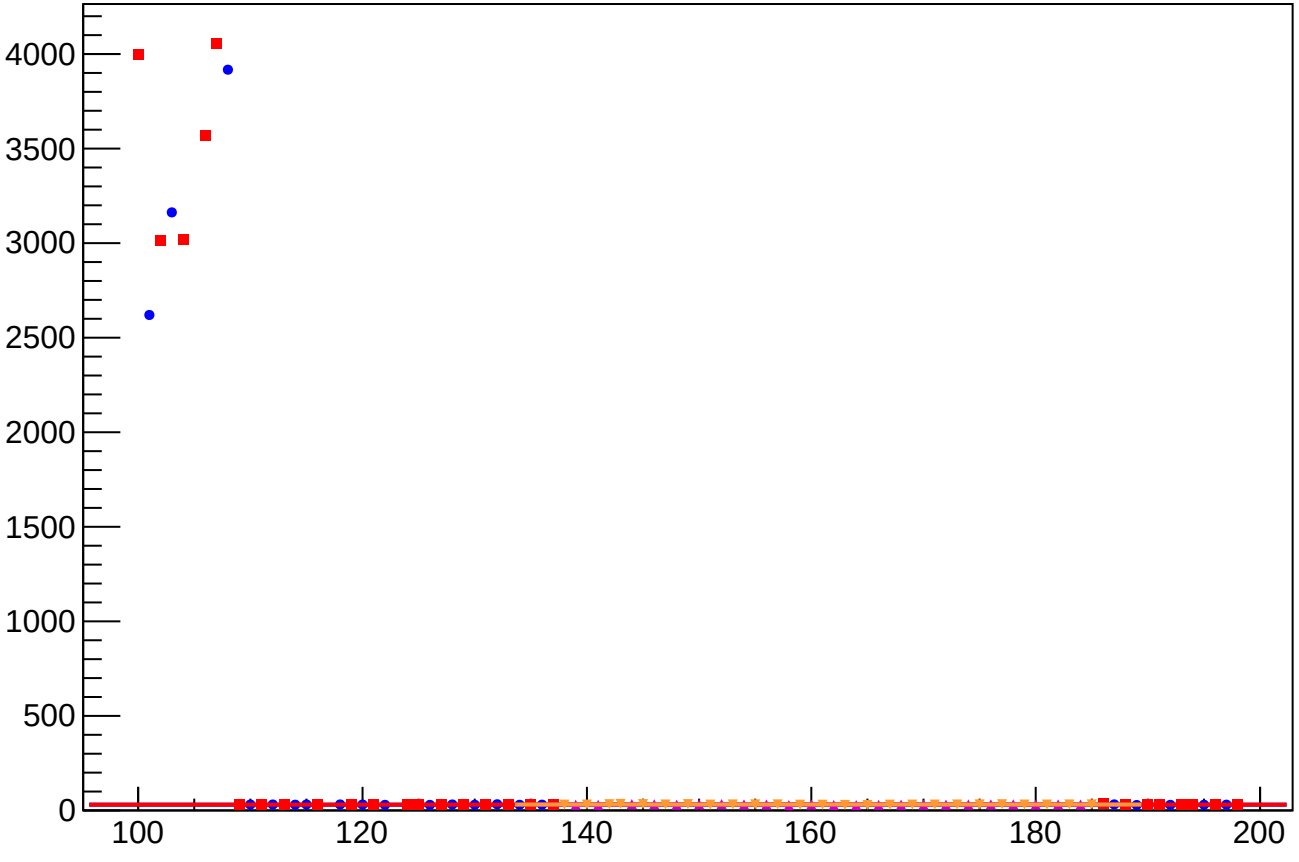
Right: 7.471+/-6.882 χ^2/NDF: 52.4/47

In: 1.924+/-5.957 χ^2/NDF:53.1/43

Out: -10.021+/-5.670 χ^2/NDF:60.0/51

All: -4.343+/-4.107 χ^2/NDF: 115.3/95

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.537+/-0.007 χ^2/NDF: 3261832.3/20

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

Right Out: 30.617+/-0.007 χ^2/NDF: 3553592.9/26

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

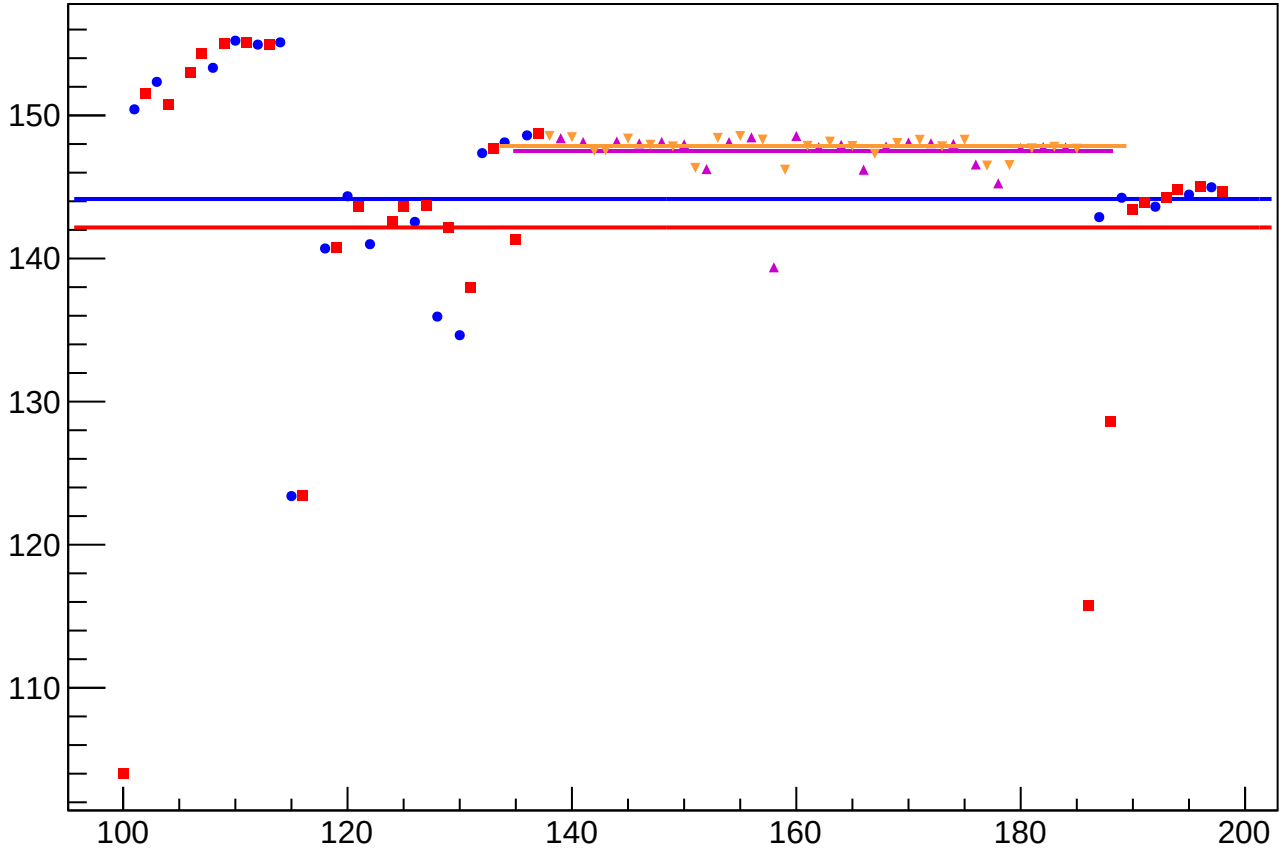
Right: 30.580+/-0.005 χ^2/NDF: 6815491.1/47

In: 31.091+/-0.004 χ^2/NDF:3356065.6/43

Out: 31.073+/-0.004 χ^2/NDF:3624182.6/51

All: 31.082+/-0.003 χ^2/NDF: 6980257.2/95

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.161+/-0.000 χ^2/NDF: 3729277234.7/20

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.171+/-0.000 χ^2/NDF: 7493970861.8/26

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

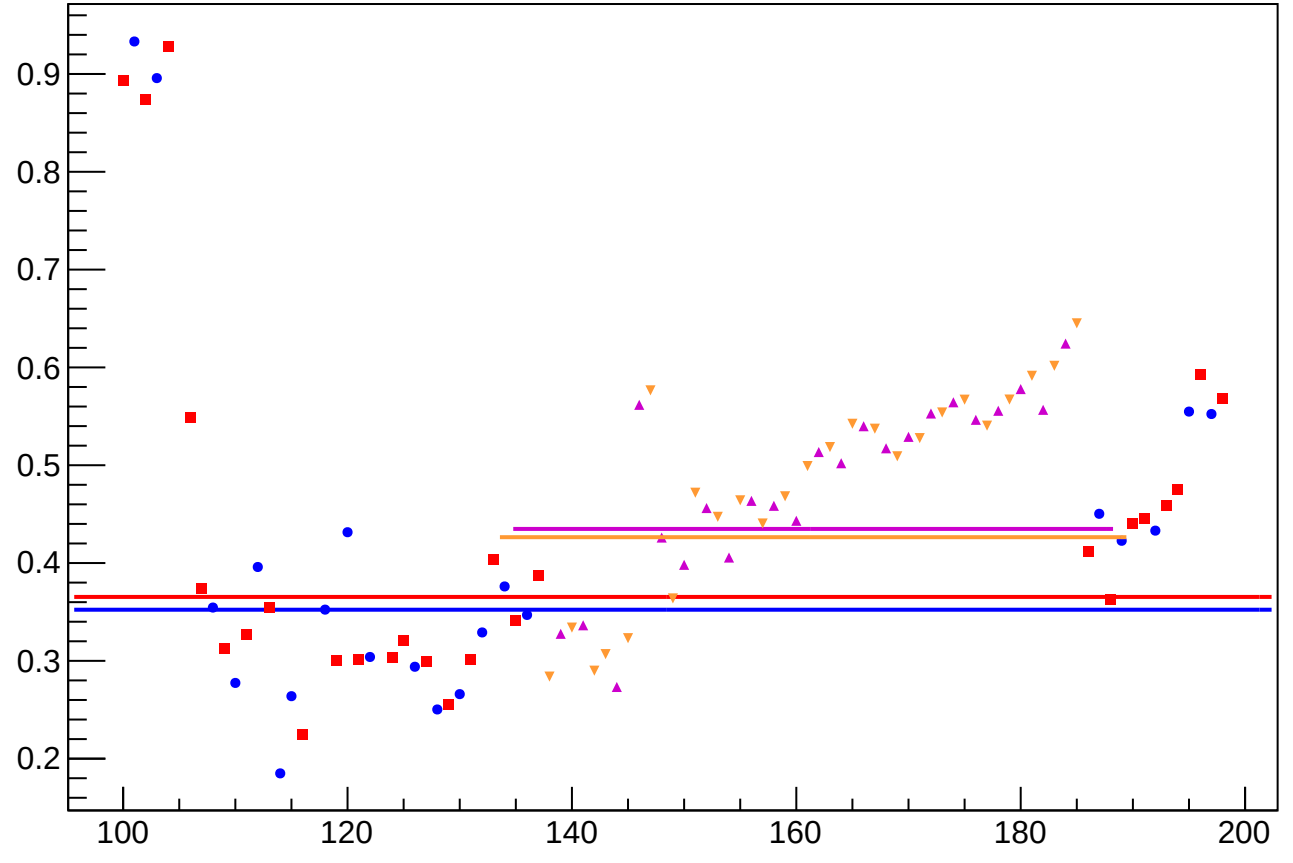
Right: 143.099+/-0.000 χ^2/NDF: 1137230627 6.2/47

In: 146.032+/-0.000 χ^2/NDF:4477756866.9/43

Out: 145.278+/-0.000 χ^2/NDF:8967409926.5/51

All: 145.634+/-0.000 χ^2/NDF: 13492983084.

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.352+/-0.000 χ^2/NDF: 2007332.0/20

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.365+/-0.000 χ^2/NDF: 2087318.8/26

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

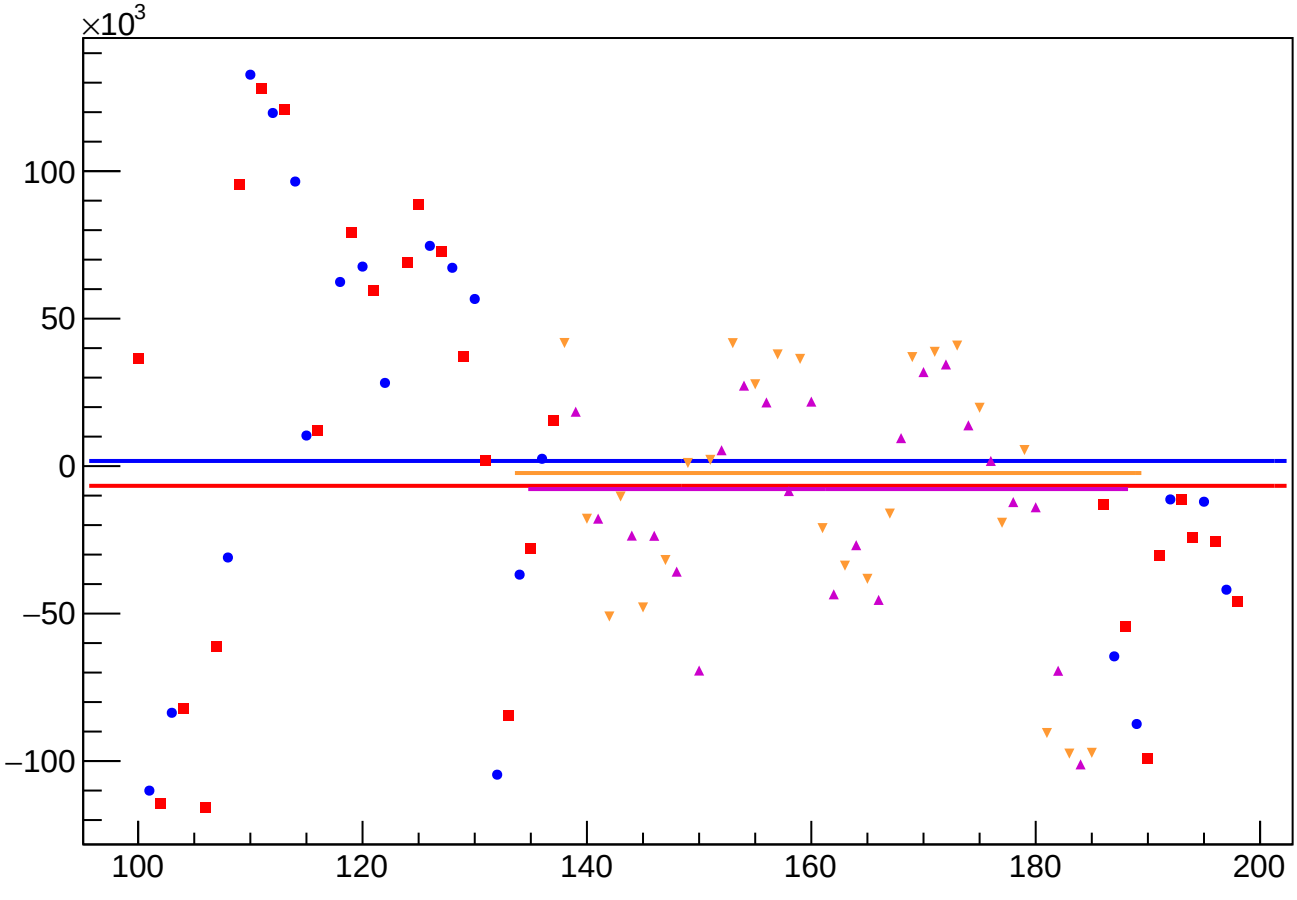
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.359+/-0.000 χ^2/NDF: 4107536.6/47

In: 0.398+/-0.000 χ^2/NDF:4319706.3/43

Out: 0.399+/-0.000 χ^2/NDF:4675268.3/51

All: 0.399+/-0.000 χ^2/NDF: 8994987.8/95



Right In: 1745.443+/-1.662 χ^2/NDF: 1687005999.9/20

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -6686.277+/-1.475 χ^2/NDF: 2223326014.9/26

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

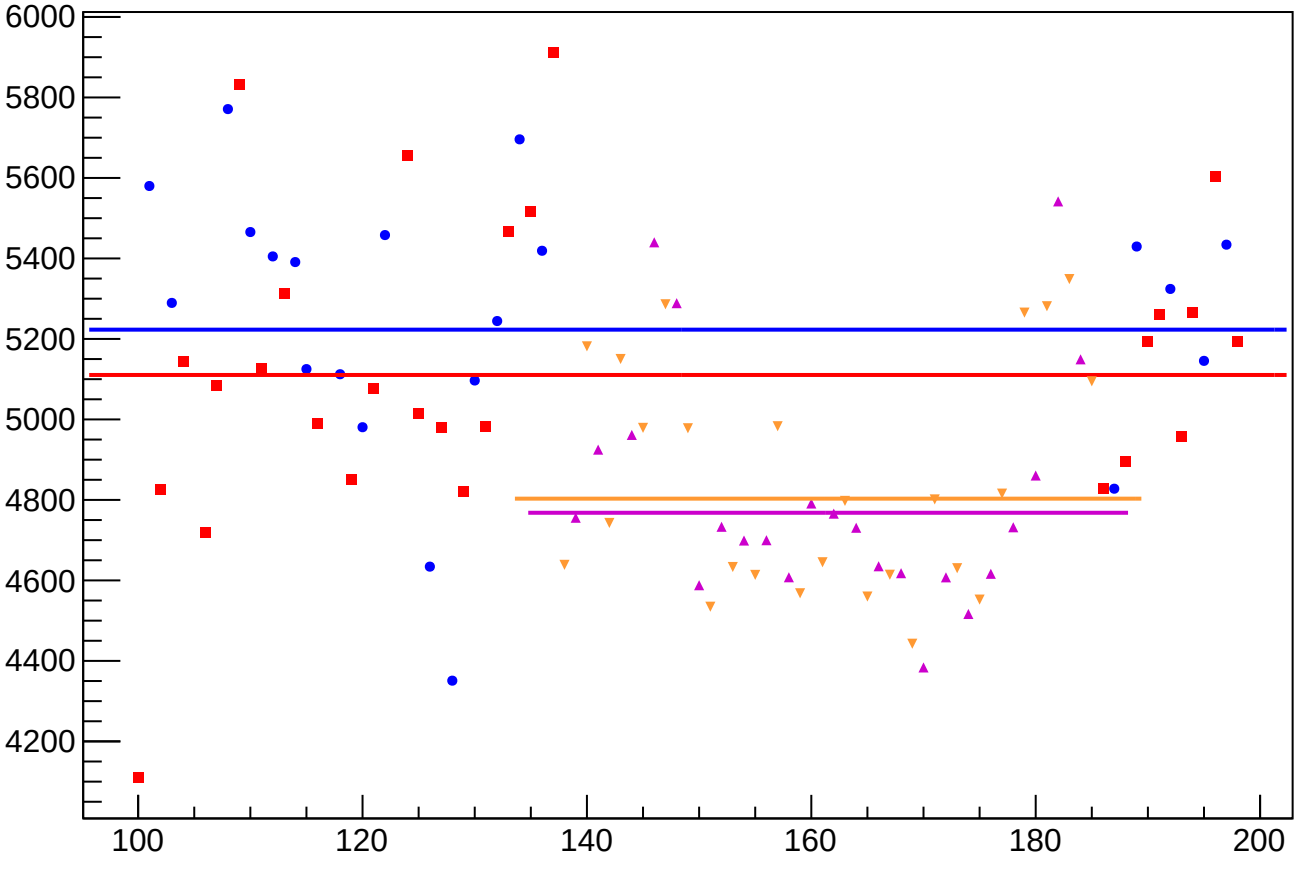
Right: -2971.486+/-1.103 χ^2/NDF: 3924731465.0/4

In: -4720.931+/-0.943 χ^2/NDF:2471821493.5/43

Out: -3938.607+/-0.894 χ^2/NDF:3458839284.1/51

All: -4308.897+/-0.649 χ^2/NDF: 5931023550

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5223.045+/-1.175 χ^2/NDF: 84597.0/20

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

Right Out: 5110.458+/-1.043 χ^2/NDF: 81169.9/26

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

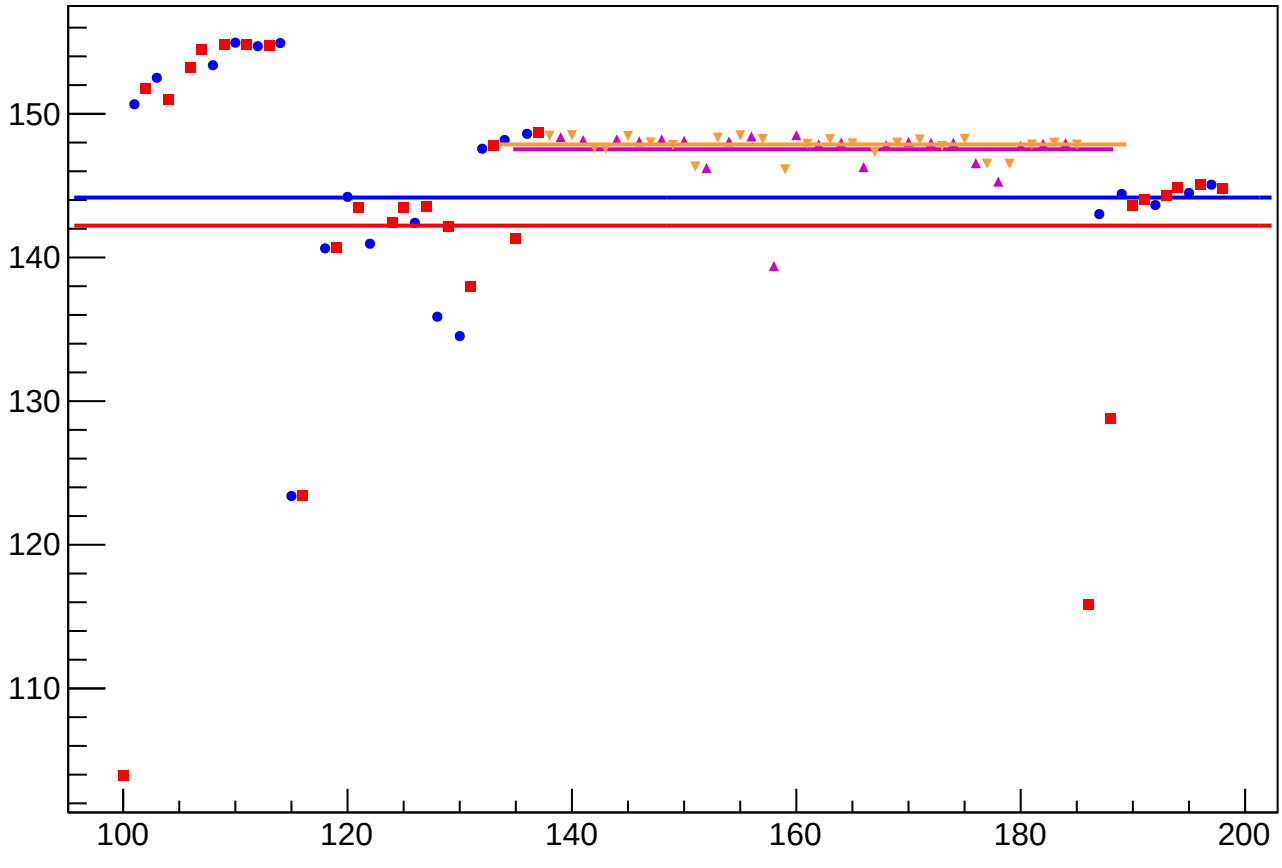
Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

Right: 5160.061+/-0.780 χ^2/NDF: 170901.7/47

In: 4914.427+/-0.667 χ^2/NDF:288629.6/43

Out: 4915.956+/-0.632 χ^2/NDF:250811.2/51

All: 4915.232+/-0.459 χ^2/NDF: 539443.6/95



Right In: 144.172+/-0.000 χ^2/NDF: 3769520071.6/20

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.217+/-0.000 χ^2/NDF: 7467262555.1/26

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

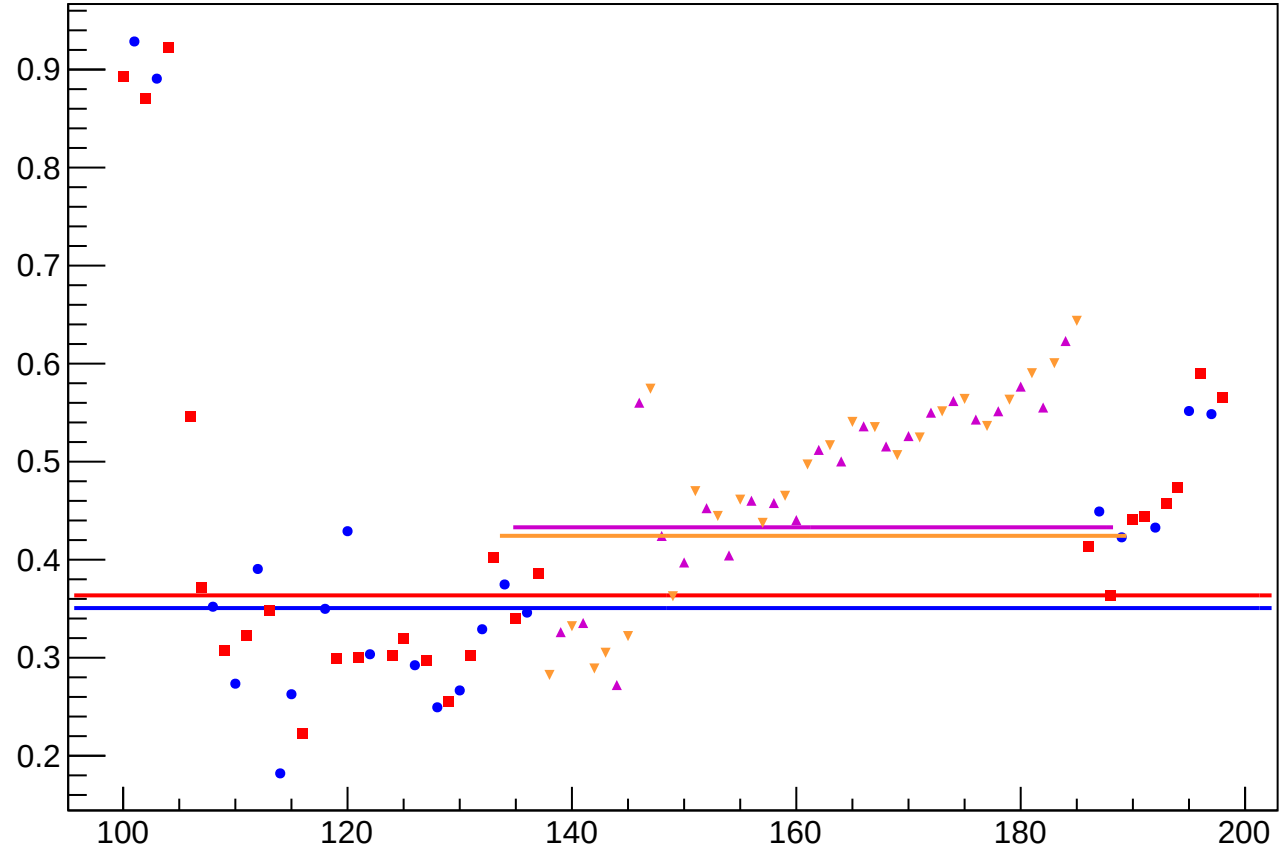
Right: 143.128+/-0.000 χ^2/NDF: 11381940444.9/47

In: 146.047+/-0.000 χ^2/NDF:4525247125.4/43

Out: 145.303+/-0.000 χ^2/NDF:8933314519.4/51

All: 145.655+/-0.000 χ^2/NDF: 13505657024.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.351+/-0.000 χ^2/NDF: 2009503.6/20

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

Right Out: 0.364+/-0.000 χ^2/NDF: 2093837.4/26

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

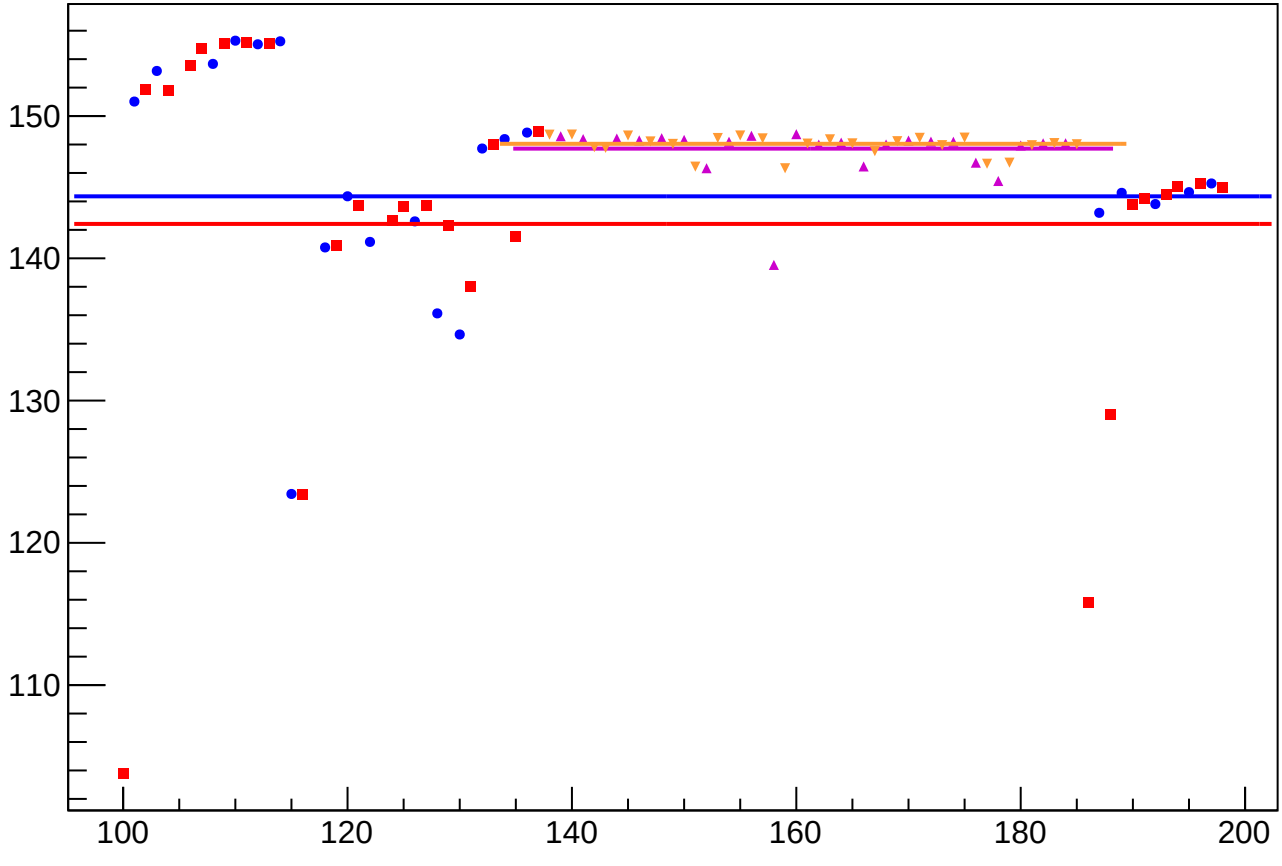
Right: 0.358+/-0.000 χ^2/NDF: 4116081.6/47

In: 0.397+/-0.000 χ^2/NDF:4320210.2/43

Out: 0.397+/-0.000 χ^2/NDF:4683075.2/51

All: 0.397+/-0.000 χ^2/NDF: 9003287.7/95

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.357+/-0.000 χ^2/NDF: 3763360585.0/20

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.418+/-0.000 χ^2/NDF: 7402826540.2/26

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

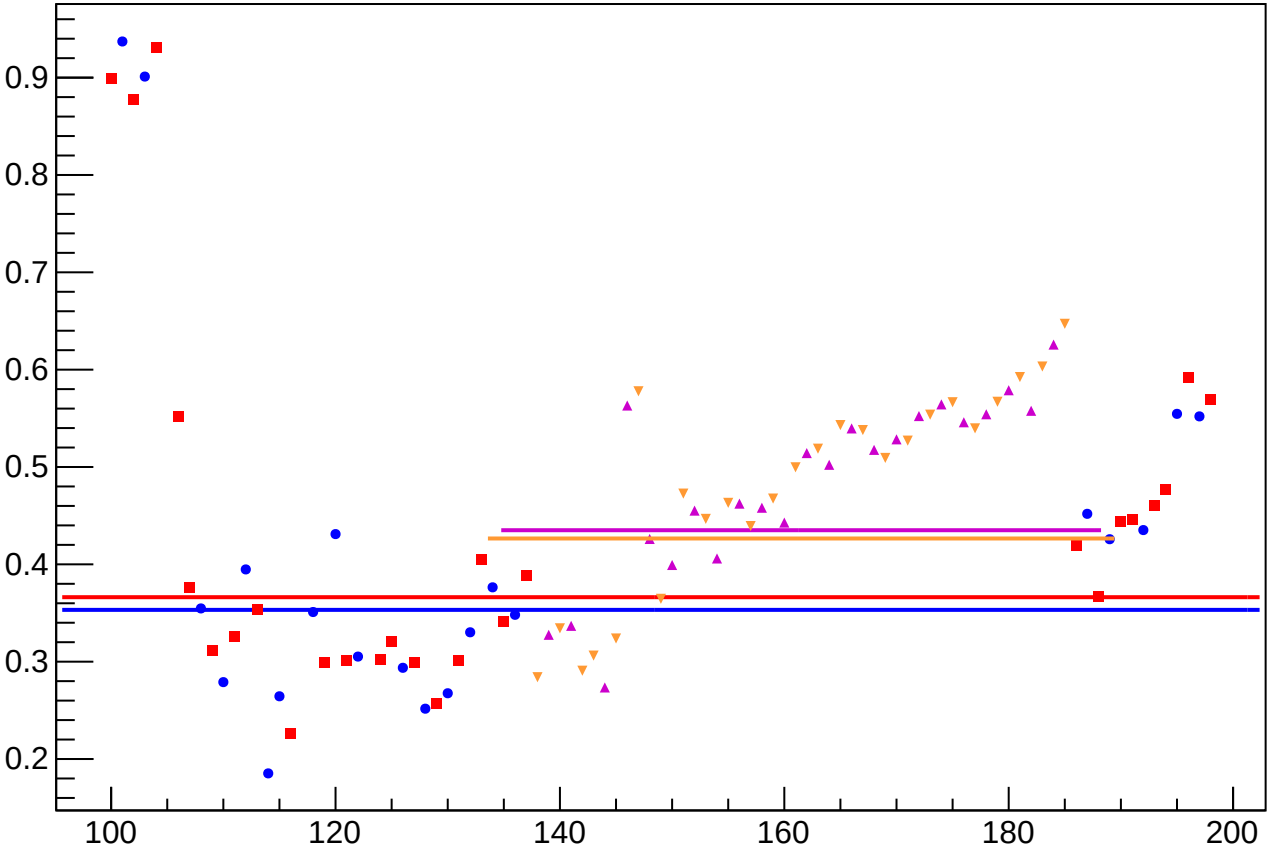
Right: 143.322+/-0.000 χ^2/NDF: 11307059331.0/47

In: 146.233+/-0.000 χ^2/NDF:4516617357.0/43

Out: 145.498+/-0.000 χ^2/NDF:8841057140.0/51

All: 145.846+/-0.000 χ^2/NDF: 13403063081.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.353+/-0.000 χ^2/NDF: 2001905.6/20

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

Right Out: 0.366+/-0.000 χ^2/NDF: 2092929.2/26

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

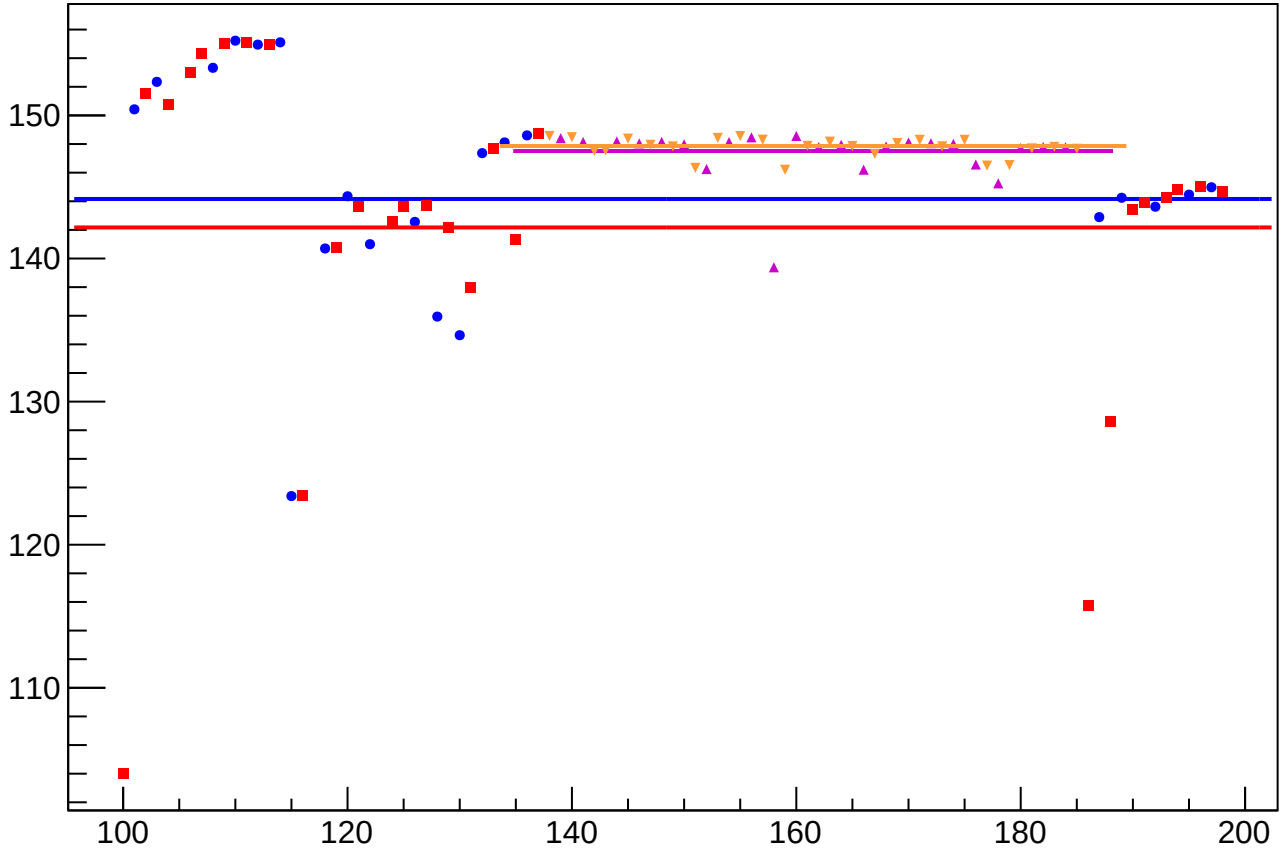
Right: 0.360+/-0.000 χ^2/NDF: 4107547.4/47

In: 0.399+/-0.000 χ^2/NDF:4297492.3/43

Out: 0.399+/-0.000 χ^2/NDF:4670033.7/51

All: 0.399+/-0.000 χ^2/NDF: 8967534.5/95

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.161+/-0.000 χ^2/NDF: 3729277234.7/20

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.171+/-0.000 χ^2/NDF: 7493970861.8/26

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

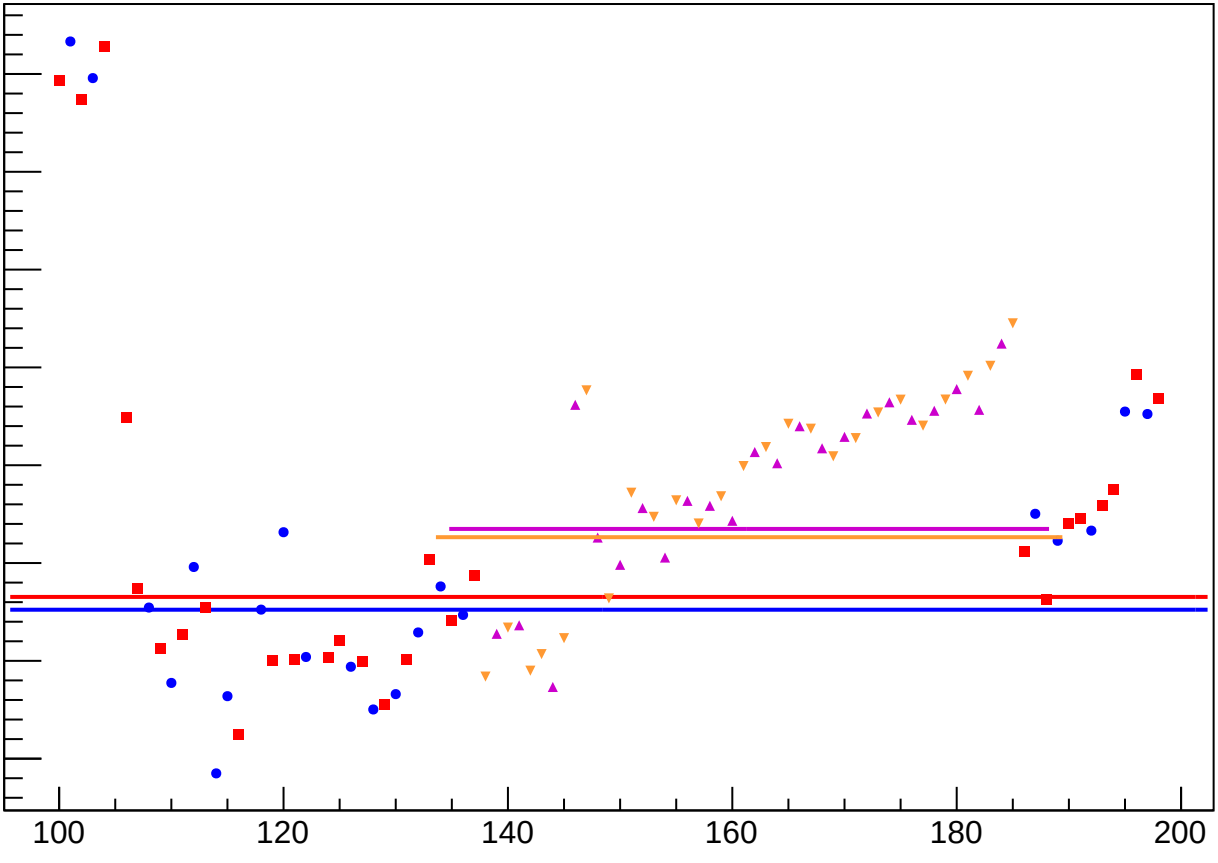
Right: 143.099+/-0.000 χ^2/NDF: 1137230627 6.2/47

In: 146.032+/-0.000 χ^2/NDF:4477756866.9/43

Out: 145.278+/-0.000 χ^2/NDF:8967409926.5/51

All: 145.634+/-0.000 χ^2/NDF: 13492983084.

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.352+/-0.000 χ^2/NDF: 2007332.0/20

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.365+/-0.000 χ^2/NDF: 2087318.8/26

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

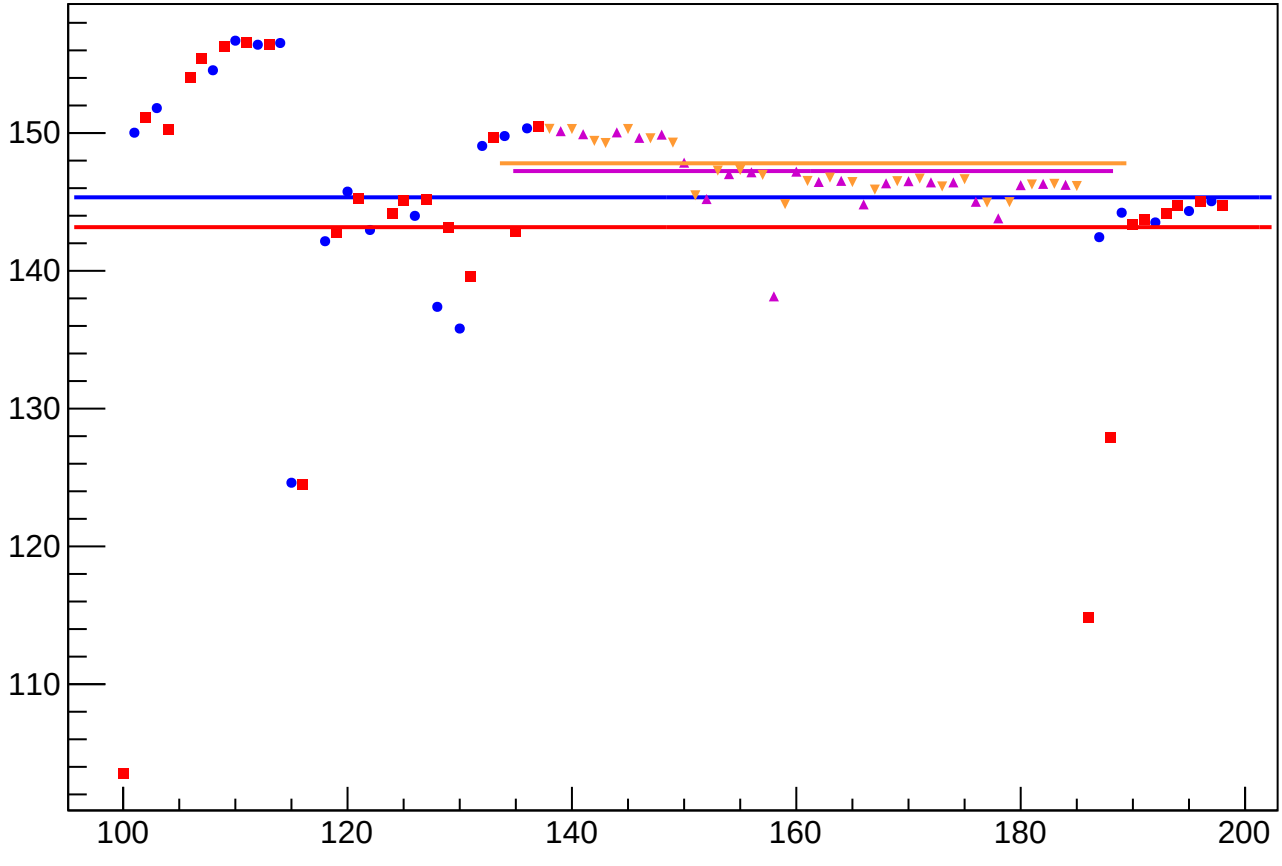
Right: 0.359+/-0.000 χ^2/NDF: 4107536.6/47

In: 0.398+/-0.000 χ^2/NDF:4319706.3/43

Out: 0.399+/-0.000 χ^2/NDF:4675268.3/51

All: 0.399+/-0.000 χ^2/NDF: 8994987.8/95

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.335+/-0.000 χ^2/NDF: 3514975718.0/20

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.170+/-0.000 χ^2/NDF: 7596307673.8/26

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

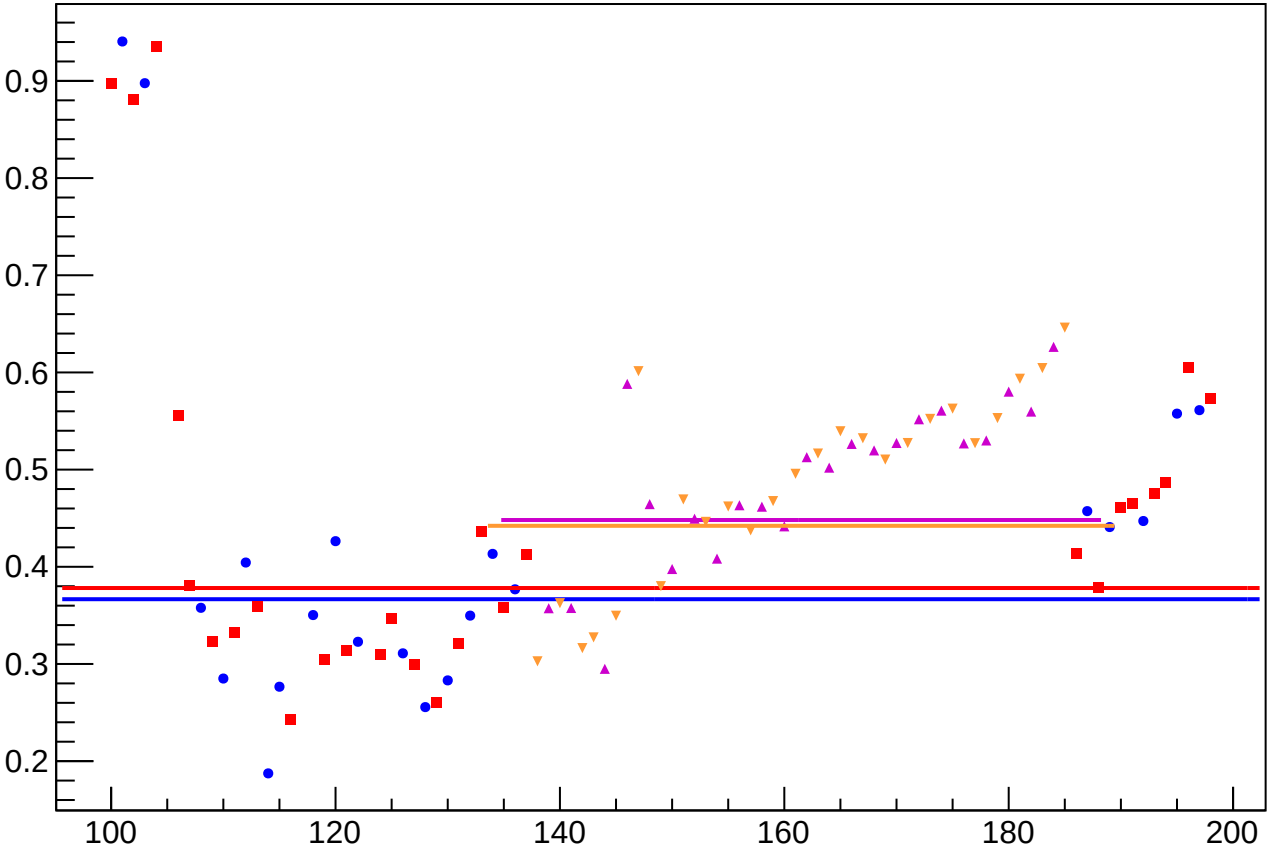
Right: 144.174+/-0.000 χ^2/NDF: 11275278738.4/47

In: 146.414+/-0.000 χ^2/NDF:4267632093.2/43

Out: 145.710+/-0.000 χ^2/NDF:8811062714.3/51

All: 146.043+/-0.000 χ^2/NDF: 13117914387.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.367+/-0.000 χ^2/NDF: 1926786.5/20

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.378+/-0.000 χ^2/NDF: 2016897.0/26

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

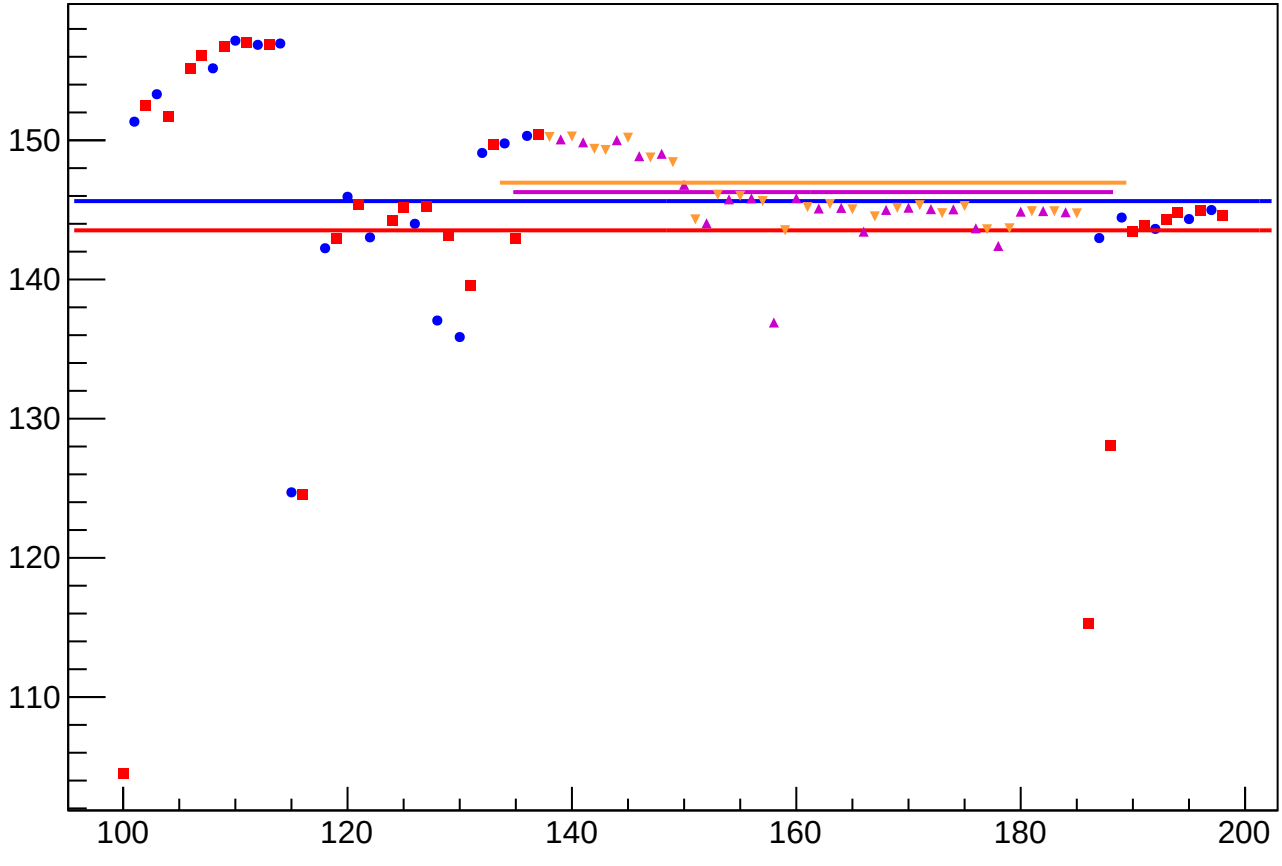
Right: 0.373+/-0.000 χ^2/NDF: 3952959.6/47

In: 0.413+/-0.000 χ^2/NDF:3764853.2/43

Out: 0.413+/-0.000 χ^2/NDF:4059880.7/51

All: 0.413+/-0.000 χ^2/NDF: 7824768.7/95

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.631+/-0.000 χ^2/NDF: 3660252953.2/20

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.531+/-0.000 χ^2/NDF: 7667044530.9/26

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

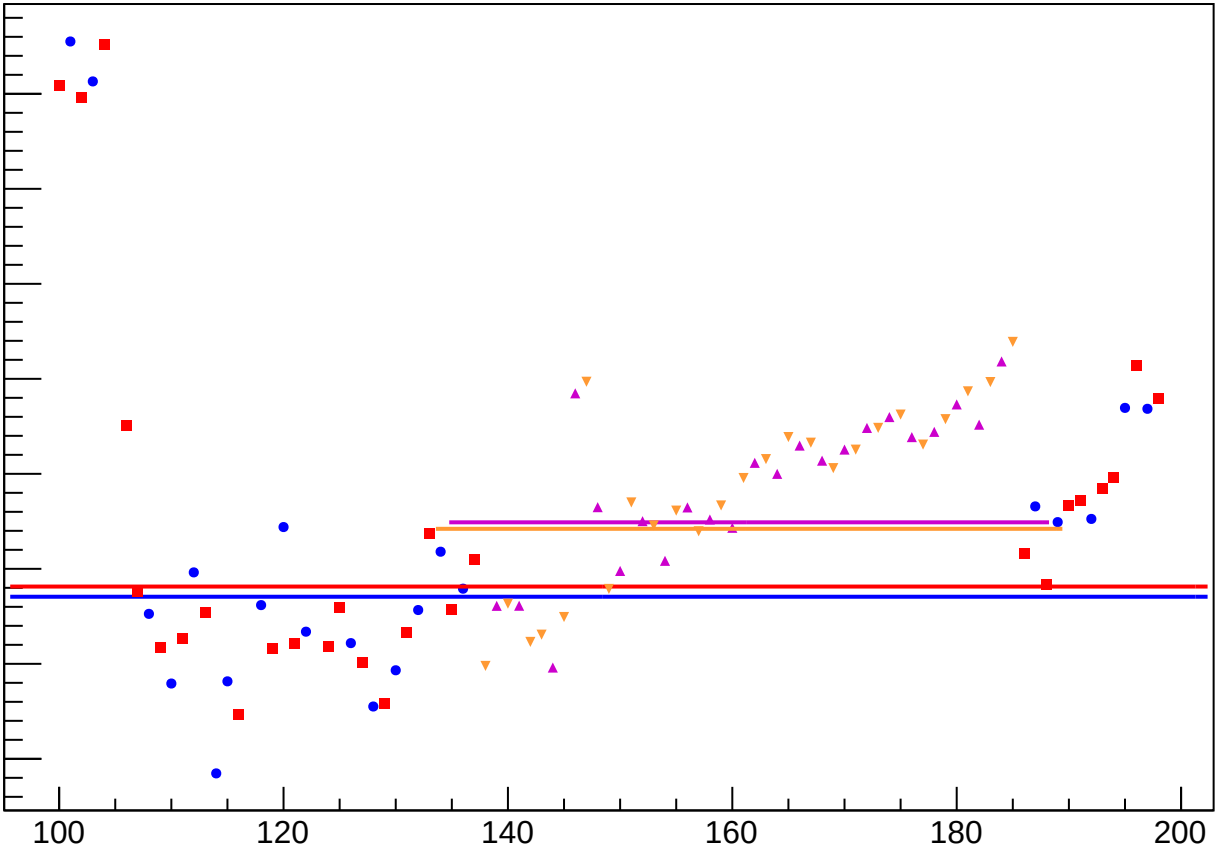
Right: 144.502+/-0.000 χ^2/NDF: 11478015327.7/47

In: 146.001+/-0.000 χ^2/NDF:4500619729.3/43

Out: 145.425+/-0.000 χ^2/NDF:8689384960.8/51

All: 145.697+/-0.000 χ^2/NDF: 13215939205.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.371+/-0.000 χ^2/NDF: 1962883.7/20

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.381+/-0.000 χ^2/NDF: 2034508.6/26

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

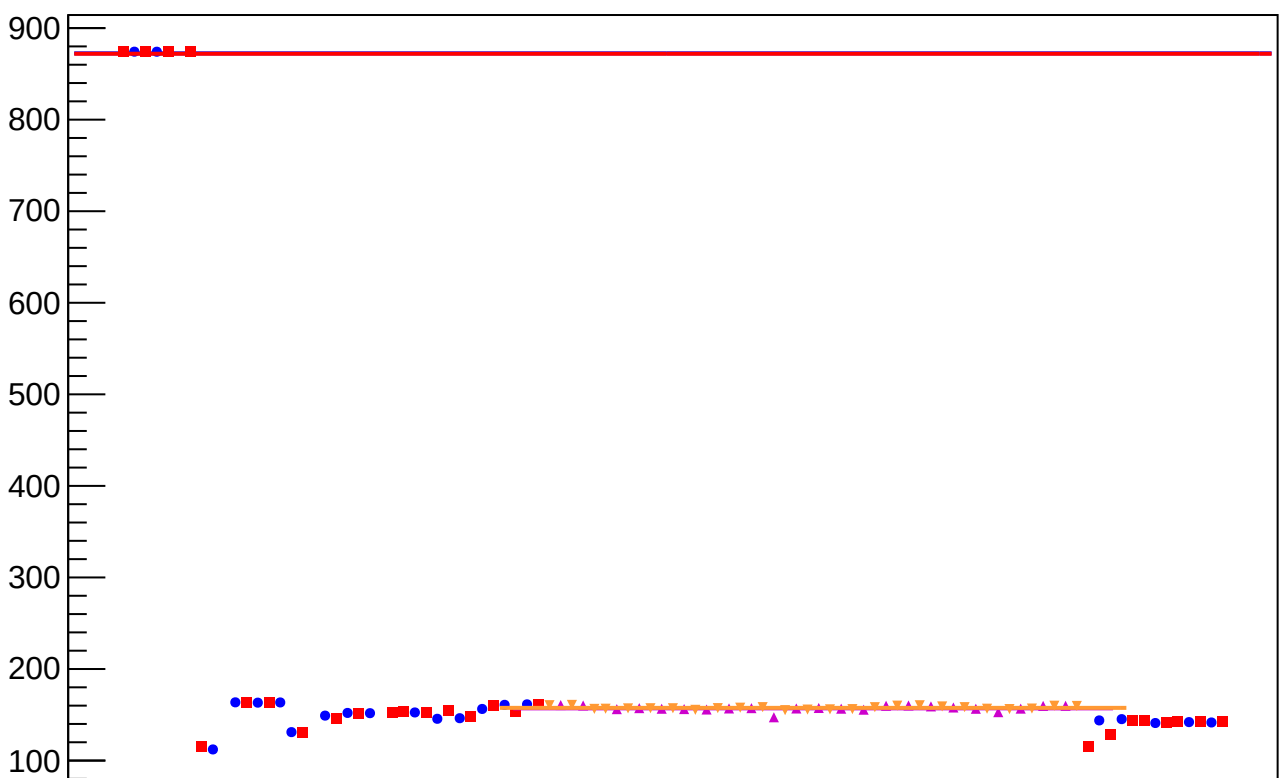
Right: 0.376+/-0.000 χ^2/NDF: 4005245.8/47

In: 0.415+/-0.000 χ^2/NDF:3709282.8/43

Out: 0.415+/-0.000 χ^2/NDF:4013162.1/51

All: 0.415+/-0.000 χ^2/NDF: 7722475.4/95

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.420+/-0.000 χ^2/NDF: 9283748765263.6/20

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.978+/-0.000 χ^2/NDF: 13388606156356.6/26

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

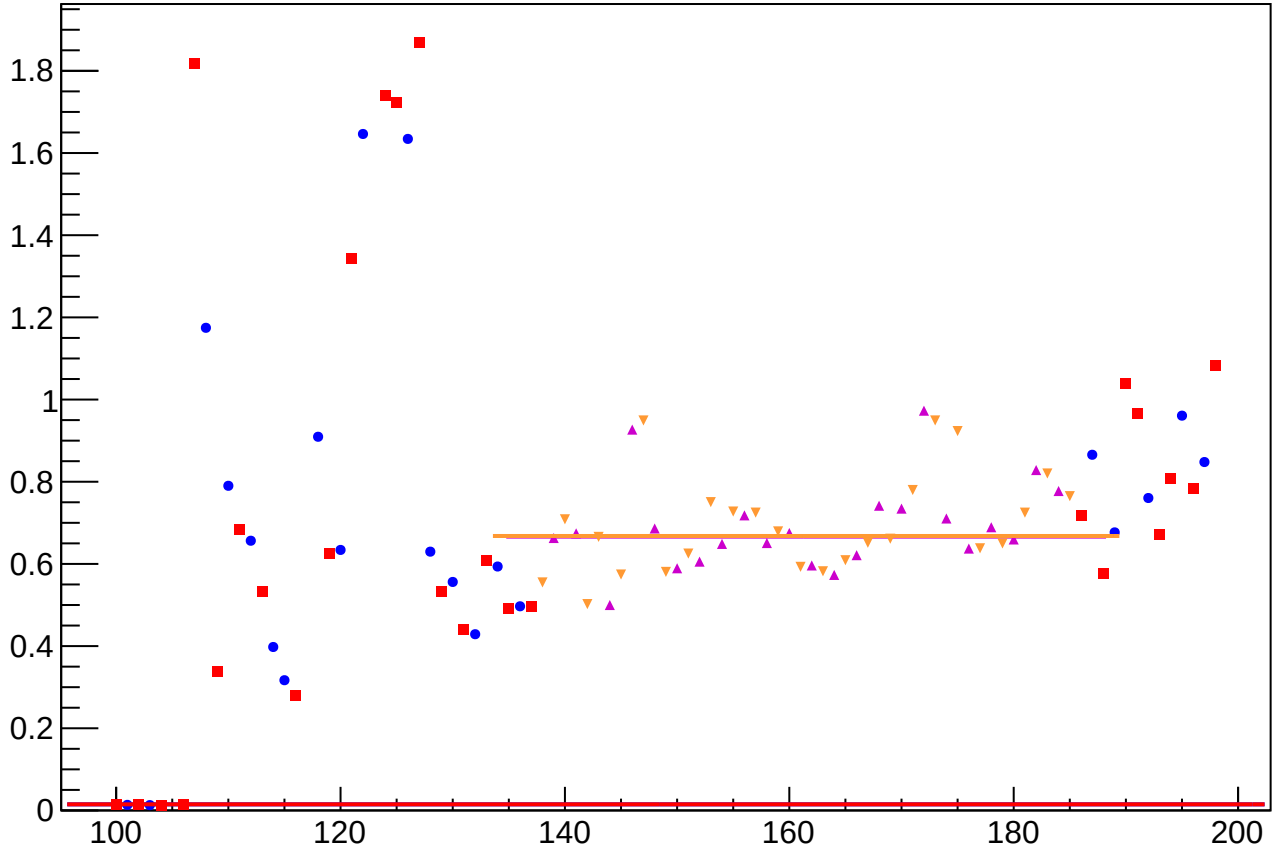
Right: 872.183+/-0.000 χ^2/NDF: 22673100569322.3

In: 869.182+/-0.000 χ^2/NDF:25795943496087.0/4

Out: 869.044+/-0.000 χ^2/NDF:30609869986088.2

All: 869.108+/-0.000 χ^2/NDF: 564058864410

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 14609553.4/20

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.015+/-0.000 χ^2/NDF: 17730943.6/26

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

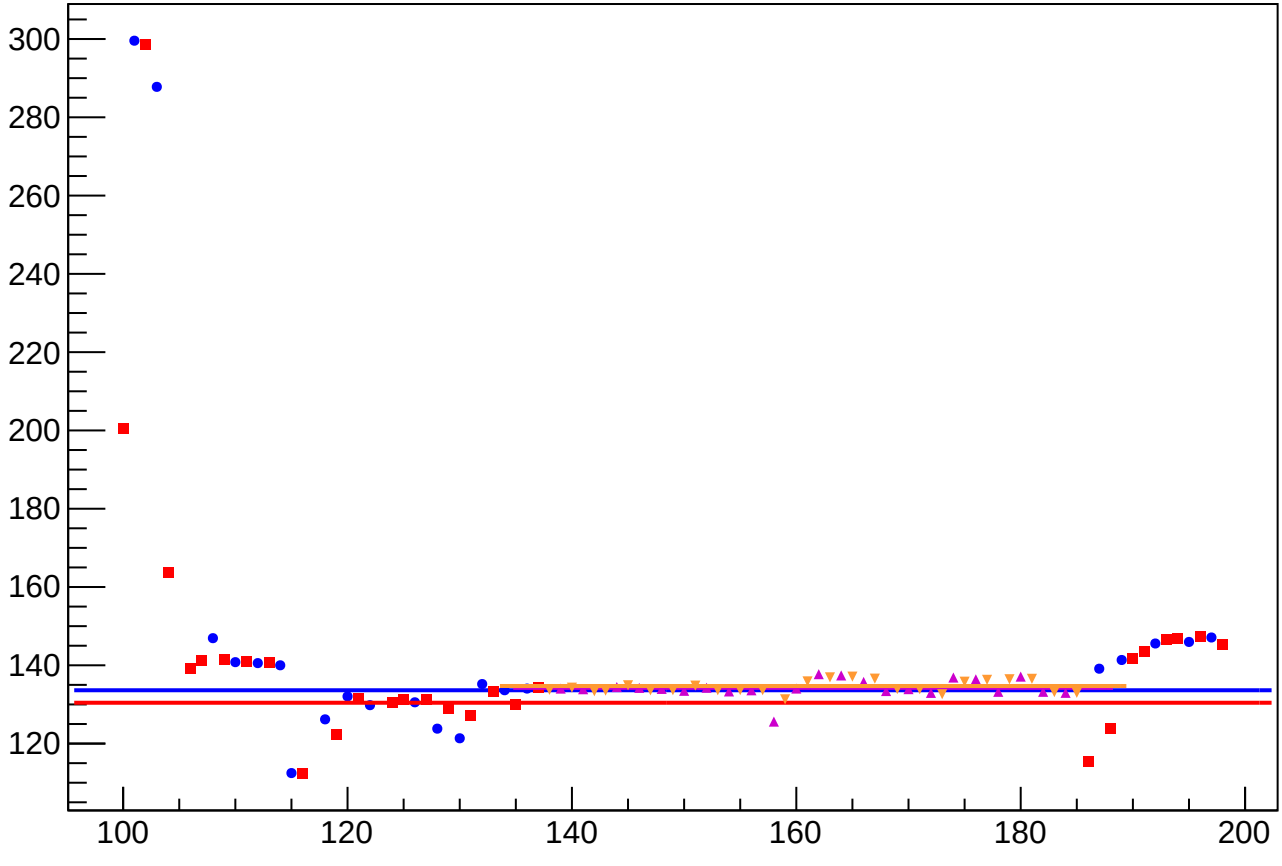
Right: 0.015+/-0.000 χ^2/NDF: 32340575.2/47

In: 0.018+/-0.000 χ^2/NDF:42545339.0/43

Out: 0.018+/-0.000 χ^2/NDF:47193039.6/51

All: 0.018+/-0.000 χ^2/NDF: 89738590.3/95

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 133.623+/-0.000 χ^2/NDF: 2737397127.6/20

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 130.433+/-0.000 χ^2/NDF: 4058899199.3/26

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

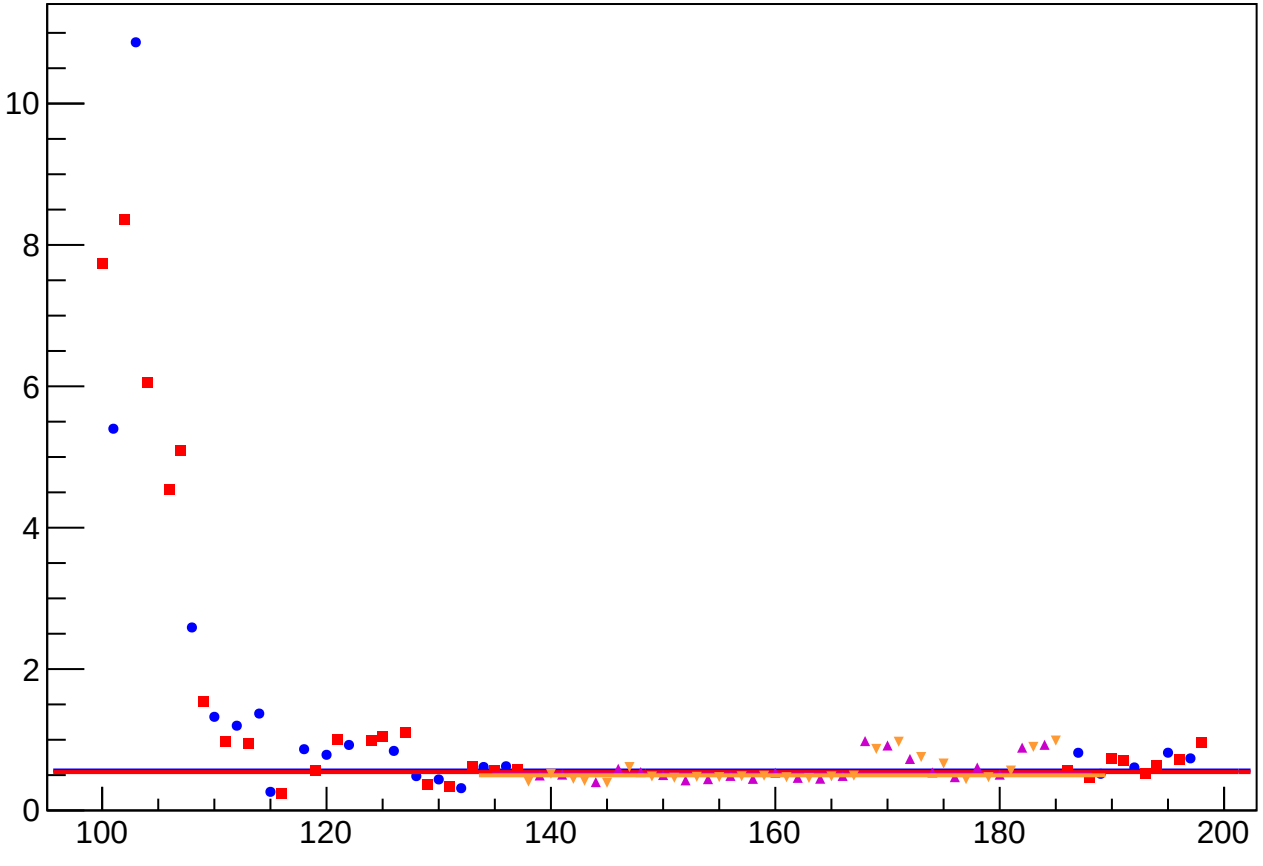
Right: 131.793+/-0.000 χ^2/NDF: 6909302484.6/47

In: 134.098+/-0.000 χ^2/NDF:3184671265.9/43

Out: 133.514+/-0.000 χ^2/NDF:4562327975.6/51

All: 133.784+/-0.000 χ^2/NDF: 7761622087.7

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.565+/-0.000 χ^2/NDF: 4436594.4/20

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.543+/-0.000 χ^2/NDF: 5429096.6/26

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

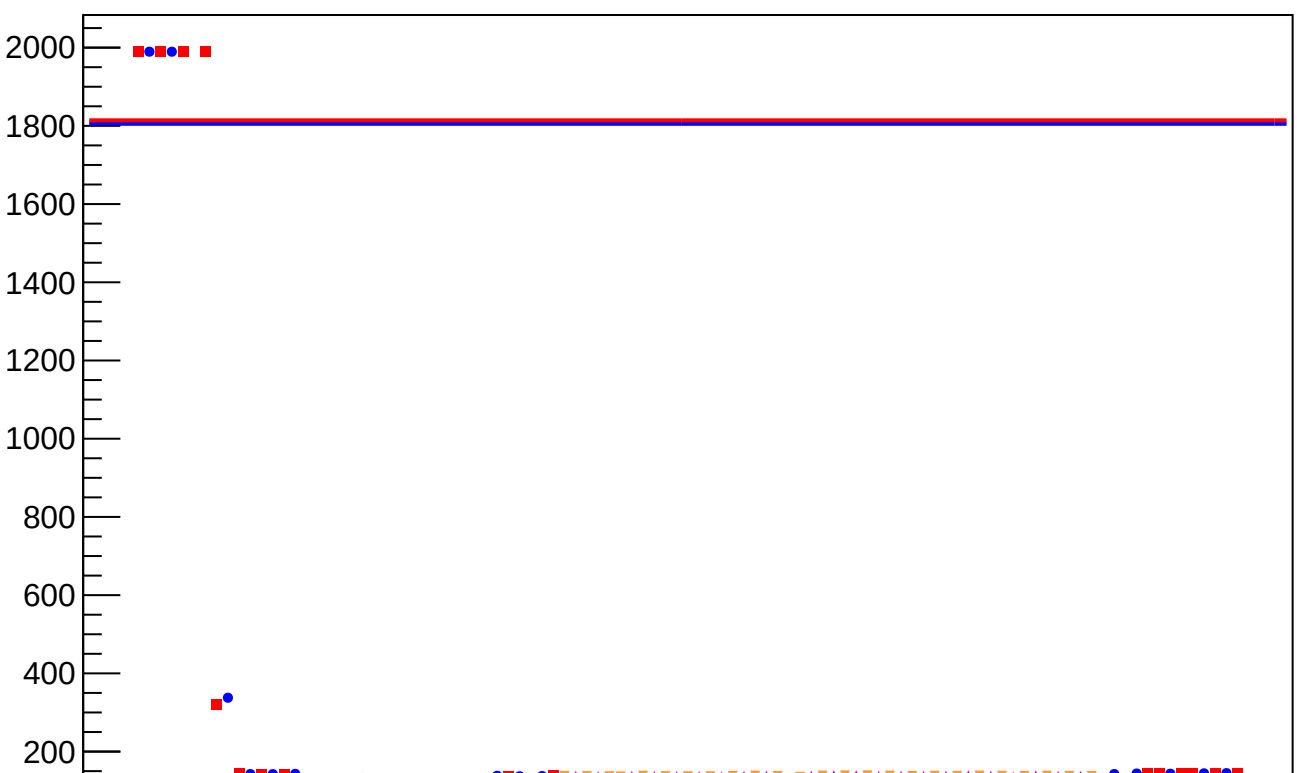
Right: 0.552+/-0.000 χ^2/NDF: 9877140.6/47

In: 0.523+/-0.000 χ^2/NDF:6013051.0/43

Out: 0.510+/-0.000 χ^2/NDF:7079828.6/51

All: 0.516+/-0.000 χ^2/NDF: 13108274.2/95

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1805.240+/-0.000 χ^2/NDF: 179324849576728.3/20

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1814.152+/-0.000 χ^2/NDF: 202407237712079.8/26

Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

Left: 137.469+/-0.000 χ^2/NDF: 315189054.5/47

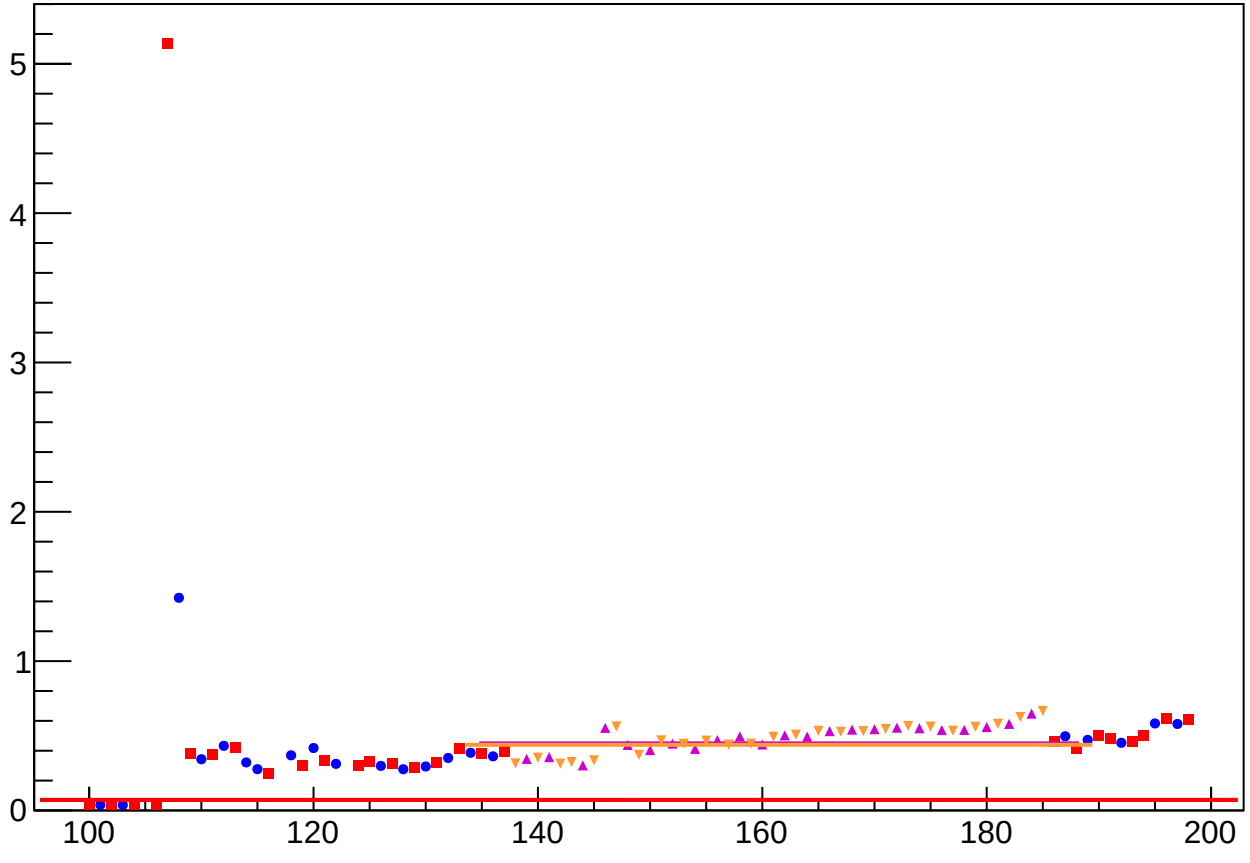
Right: 1810.063+/-0.000 χ^2/NDF: 3817571088588

In: 1593.007+/-0.000 χ^2/NDF:385407058668663.

Out: 1614.420+/-0.000 χ^2/NDF:432295818510487

All: 1604.545+/-0.000 χ^2/NDF: 8178676755

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.071+/-0.000 χ^2/NDF: 12881818.1/20

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.070+/-0.000 χ^2/NDF: 15453318.1/26

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

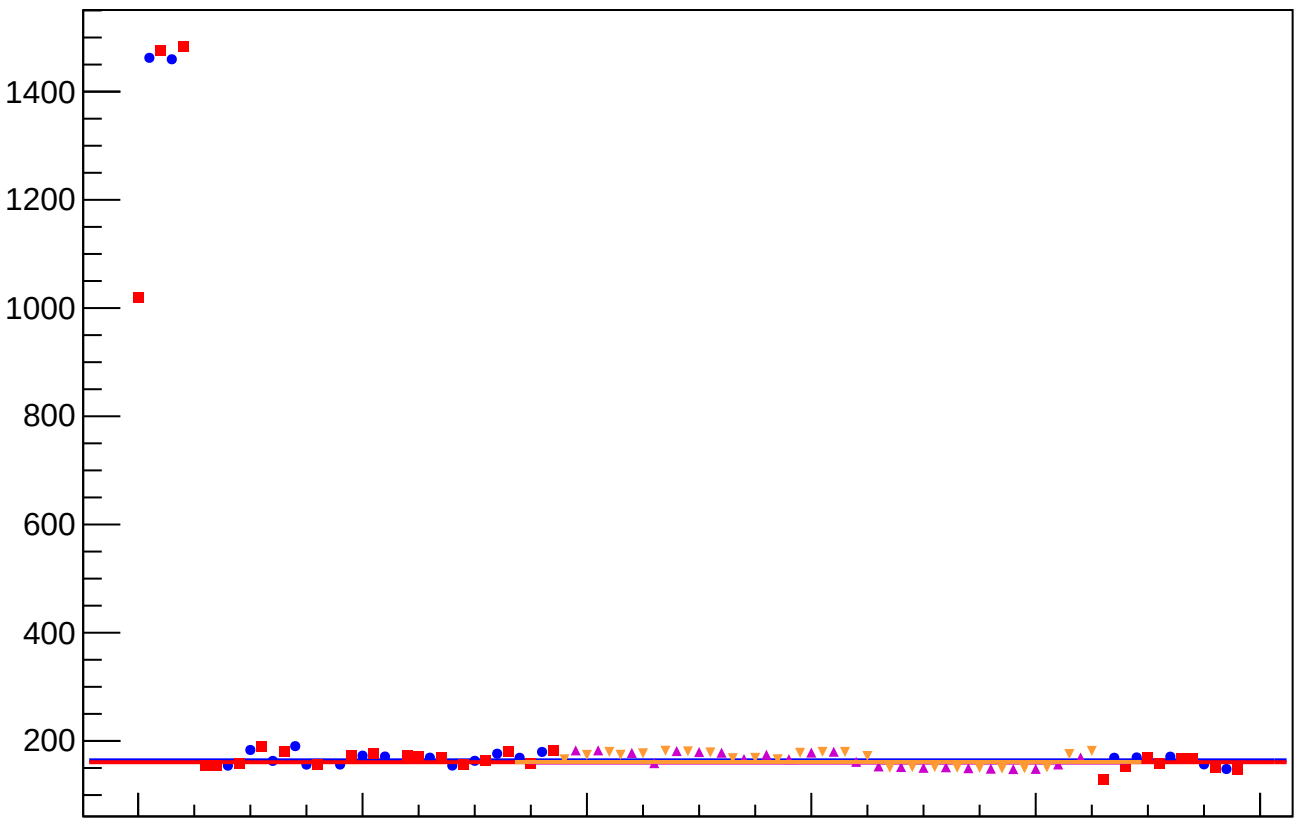
Right: 0.071+/-0.000 χ^2/NDF: 28335338.2/47

In: 0.119+/-0.000 χ^2/NDF:35437671.9/43

Out: 0.114+/-0.000 χ^2/NDF:39522174.3/51

All: 0.116+/-0.000 χ^2/NDF: 74975902.2/95

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 164.146+/-0.000 χ^2/NDF: 15118257179.7/20

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 160.678+/-0.000 χ^2/NDF: 17803370690.4/26

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

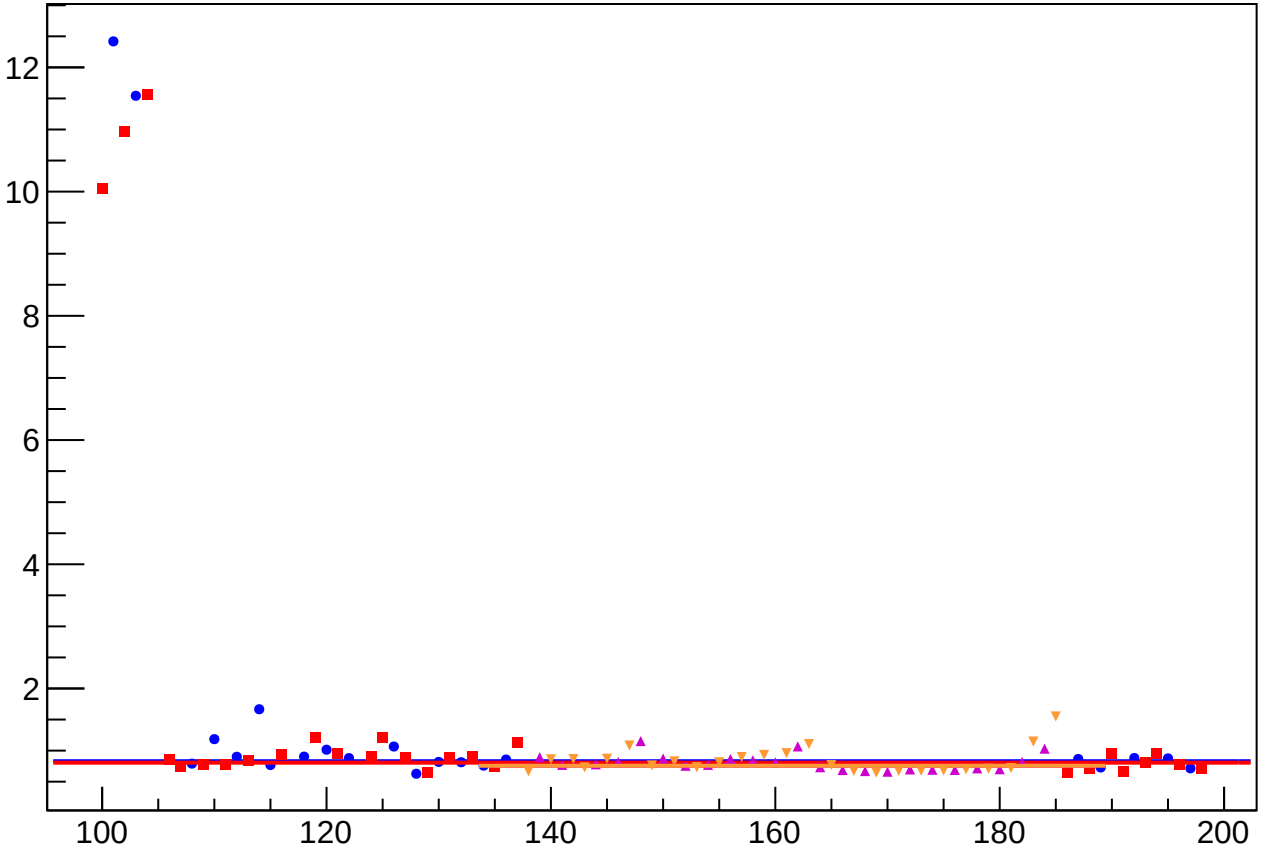
Right: 162.155+/-0.000 χ^2/NDF: 32987799008.6/47

In: 161.297+/-0.000 χ^2/NDF:18966027974.3/43

Out: 160.985+/-0.000 χ^2/NDF:21544298130.6/51

All: 161.132+/-0.000 χ^2/NDF: 40512034702.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.829+/-0.000 χ^2/NDF: 2368847.1/20

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

Right Out: 0.806+/-0.000 χ^2/NDF: 2406099.1/26

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

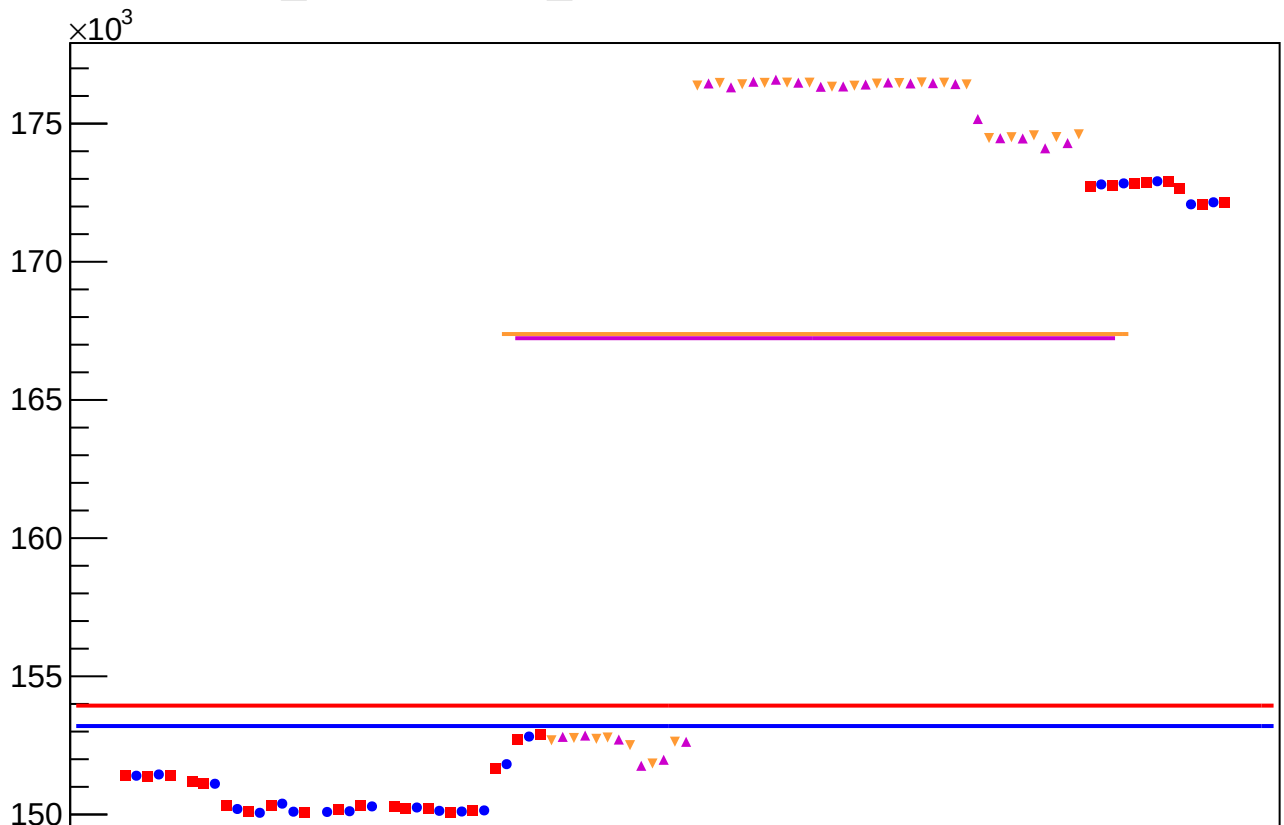
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.816+/-0.000 χ^2/NDF: 4780977.7/47

In: 0.777+/-0.000 χ^2/NDF:2915855.7/43

Out: 0.773+/-0.000 χ^2/NDF:3197842.5/51

All: 0.775+/-0.000 χ^2/NDF: 6114095.8/95



Right In: 153200.291+/-0.051 χ^2/NDF: 19591718476.5/20

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 153939.722+/-0.047 χ^2/NDF: 28815610128.8/26

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

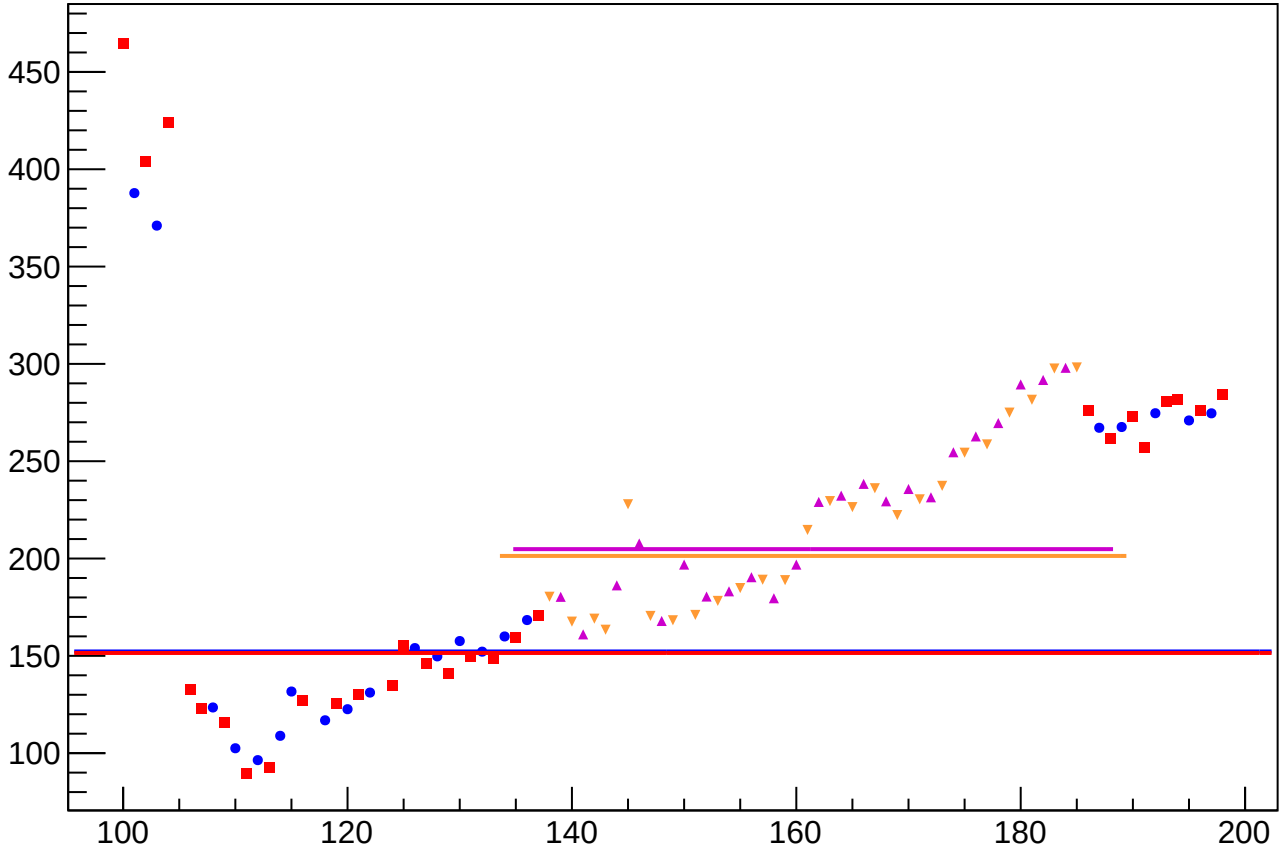
Right: 153602.502+/-0.035 χ^2/NDF: 48520653930.

In: 160547.709+/-0.035 χ^2/NDF:113981598470.0

Out: 160687.720+/-0.033 χ^2/NDF:129654300147.

All: 160622.320+/-0.024 χ^2/NDF: 243644252

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 152.246+/-0.036 χ^2/NDF: 2910736.5/20

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 151.481+/-0.033 χ^2/NDF: 4130271.7/26

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

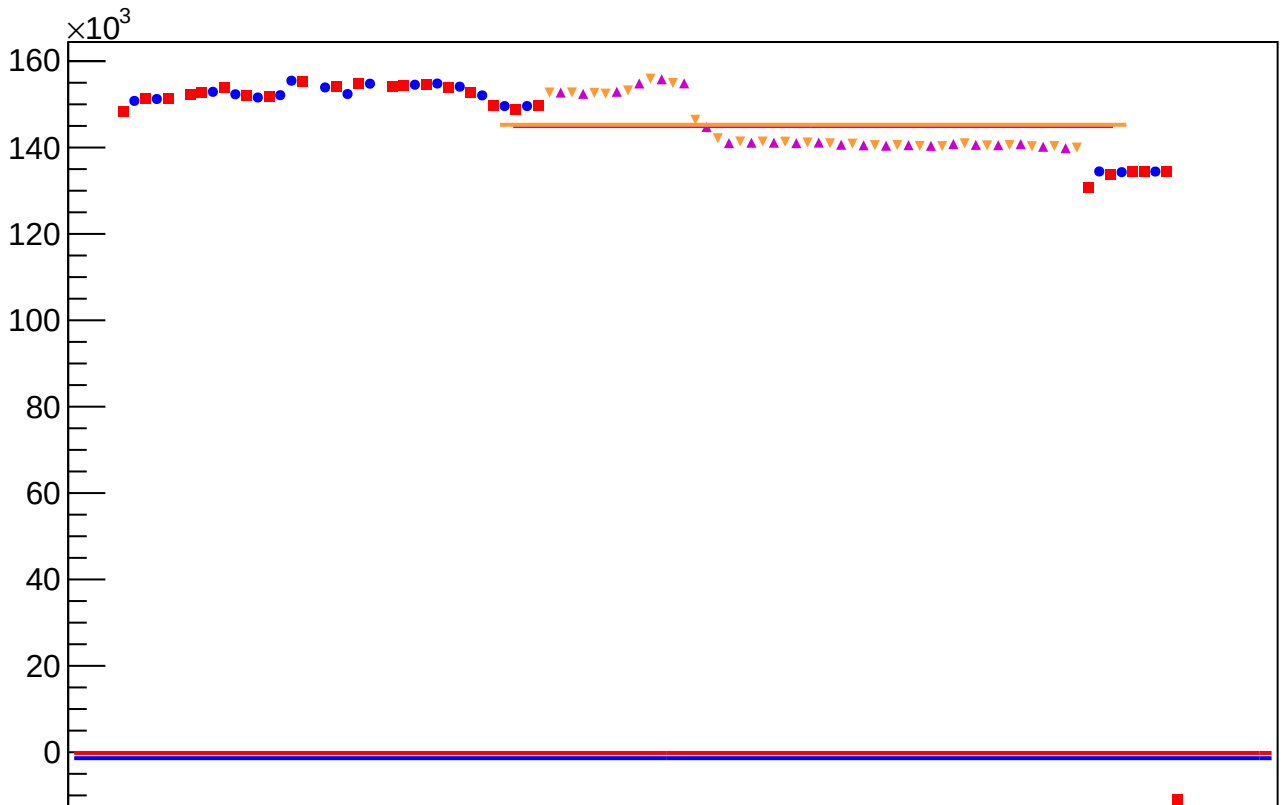
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 151.830+/-0.024 χ^2/NDF: 7041250.6/47

In: 179.774+/-0.025 χ^2/NDF:5066921.0/43

Out: 176.498+/-0.023 χ^2/NDF:6494417.3/51

All: 178.028+/-0.017 χ^2/NDF: 11570486.3/95



Right In: -1379.861+/-0.018 χ^2/NDF: 5530392965395.7/20

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -169.812+/-0.017 χ^2/NDF: 6697584392431.8/26

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

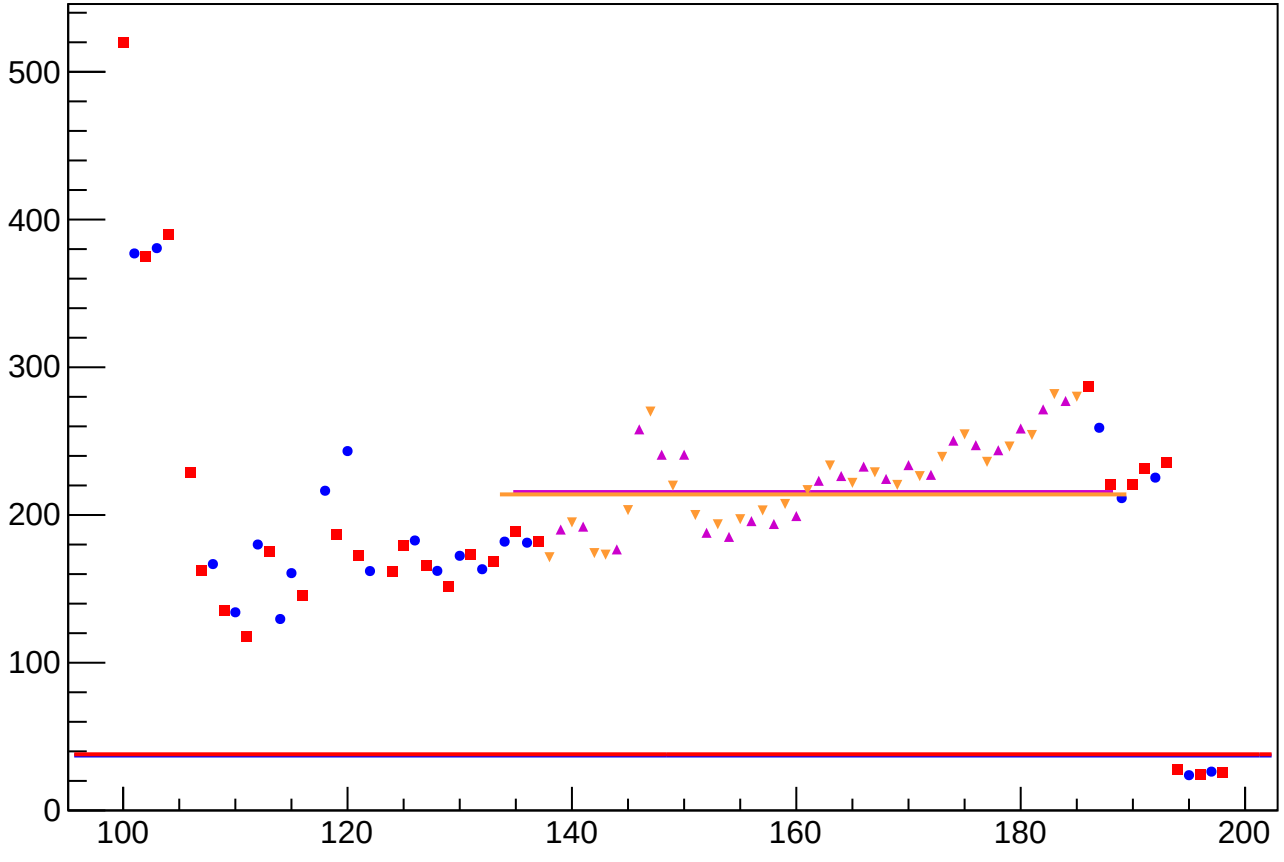
Right: -730.829+/-0.013 χ^2/NDF: 12230297765478

In: 15352.045+/-0.017 χ^2/NDF:12778284511310.

Out: 15406.532+/-0.016 χ^2/NDF:14454739834526

All: 15381.160+/-0.012 χ^2/NDF: 272330296

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 37.200+/-0.013 χ^2/NDF: 11906908.4/20

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 38.011+/-0.012 χ^2/NDF: 13485719.8/26

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

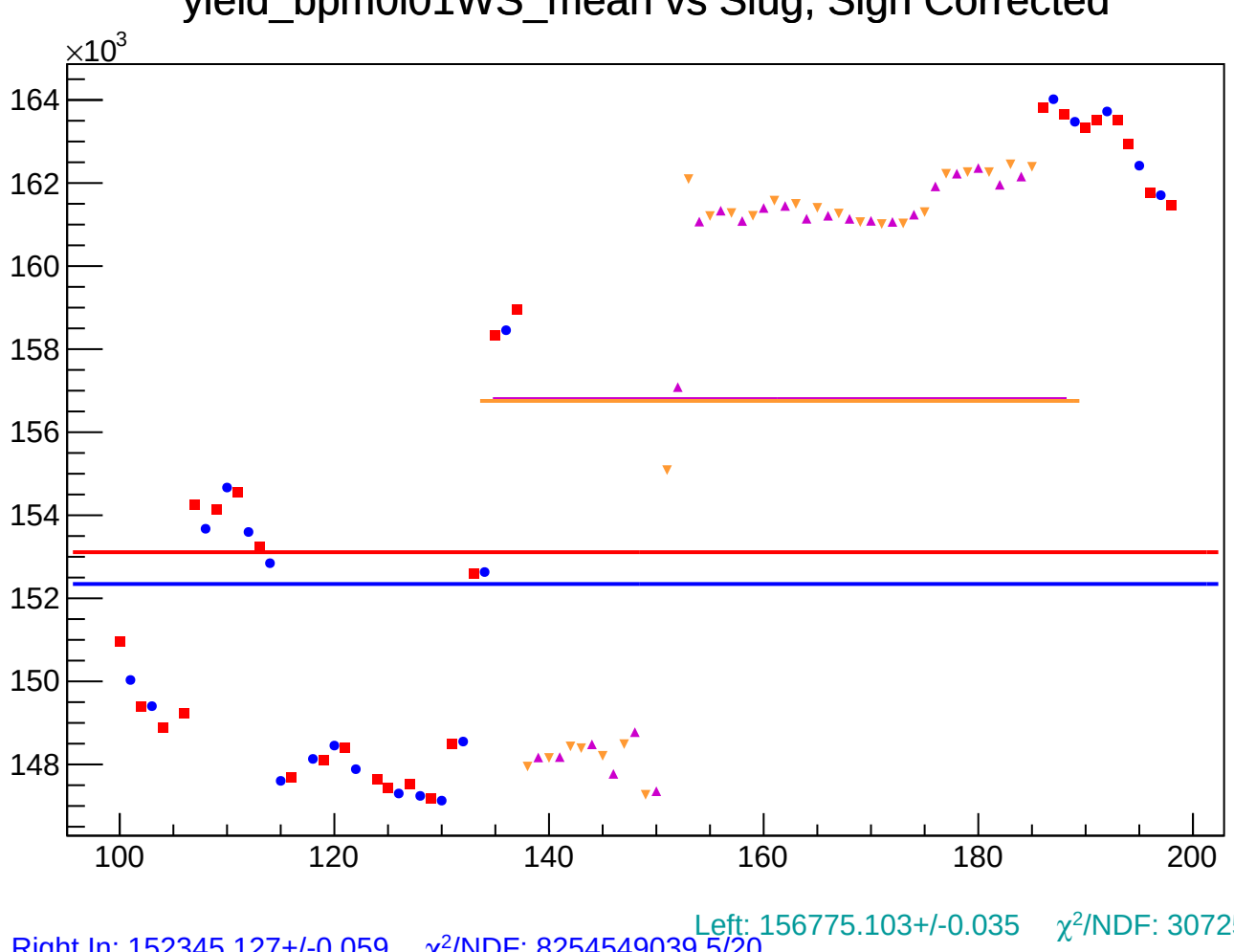
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 37.635+/-0.009 χ^2/NDF: 25394713.7/47

In: 57.589+/-0.012 χ^2/NDF:33994749.3/43

Out: 56.854+/-0.011 χ^2/NDF:36799918.8/51

All: 57.196+/-0.008 χ^2/NDF: 70796597.1/95



Right In: 152345.127+/-0.059 χ^2/NDF: 8254549039.5/20

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 153110.860+/-0.055 χ^2/NDF: 10217382434.0/26

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

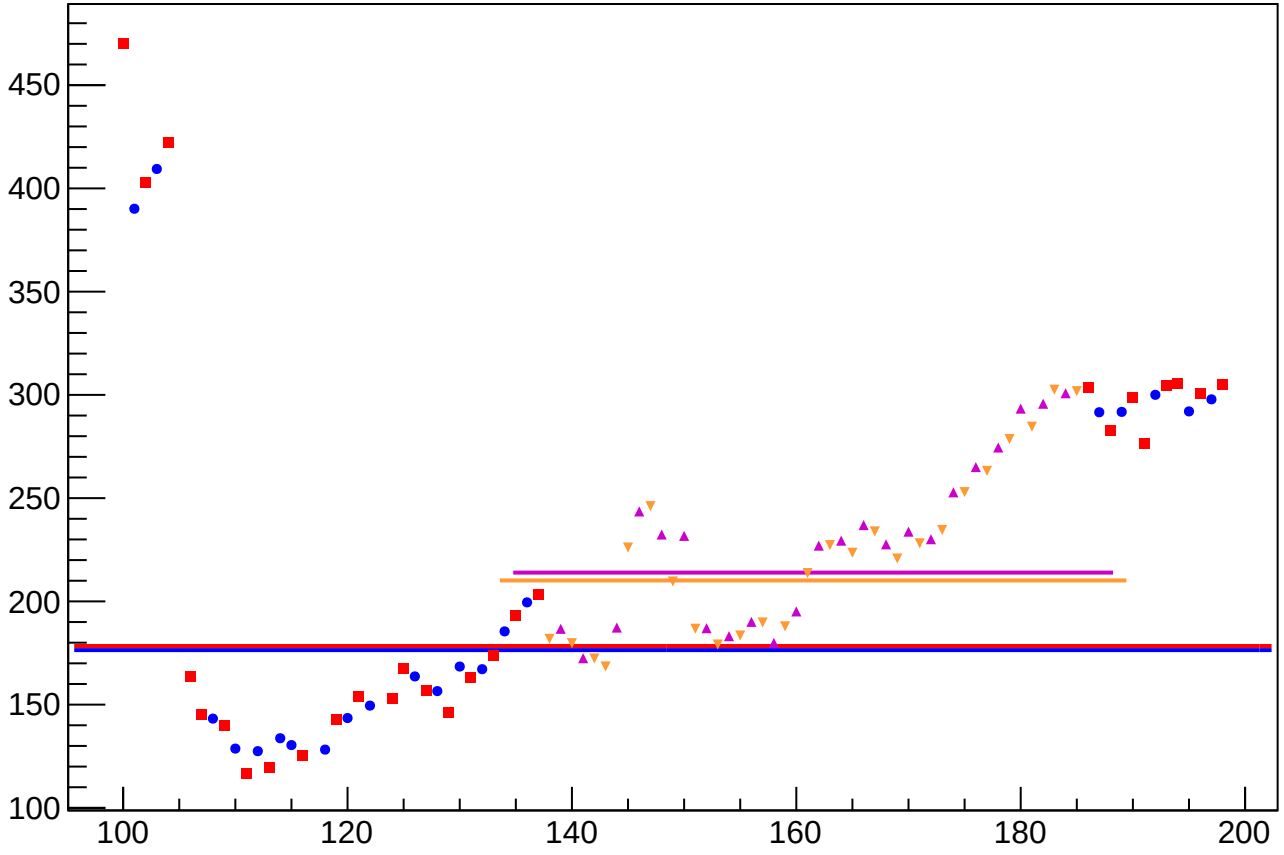
Right: 152755.492+/-0.040 χ^2/NDF: 18563526734.3

In: 154879.892+/-0.038 χ^2/NDF:25888710718.7/4

Out: 155139.099+/-0.036 χ^2/NDF:29085557534.8

All: 155016.951+/-0.026 χ^2/NDF: 54998308

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 176.401+/-0.041 χ^2/NDF: 2465880.5/20

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

Right Out: 178.400+/-0.039 χ^2/NDF: 3330906.7/26

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

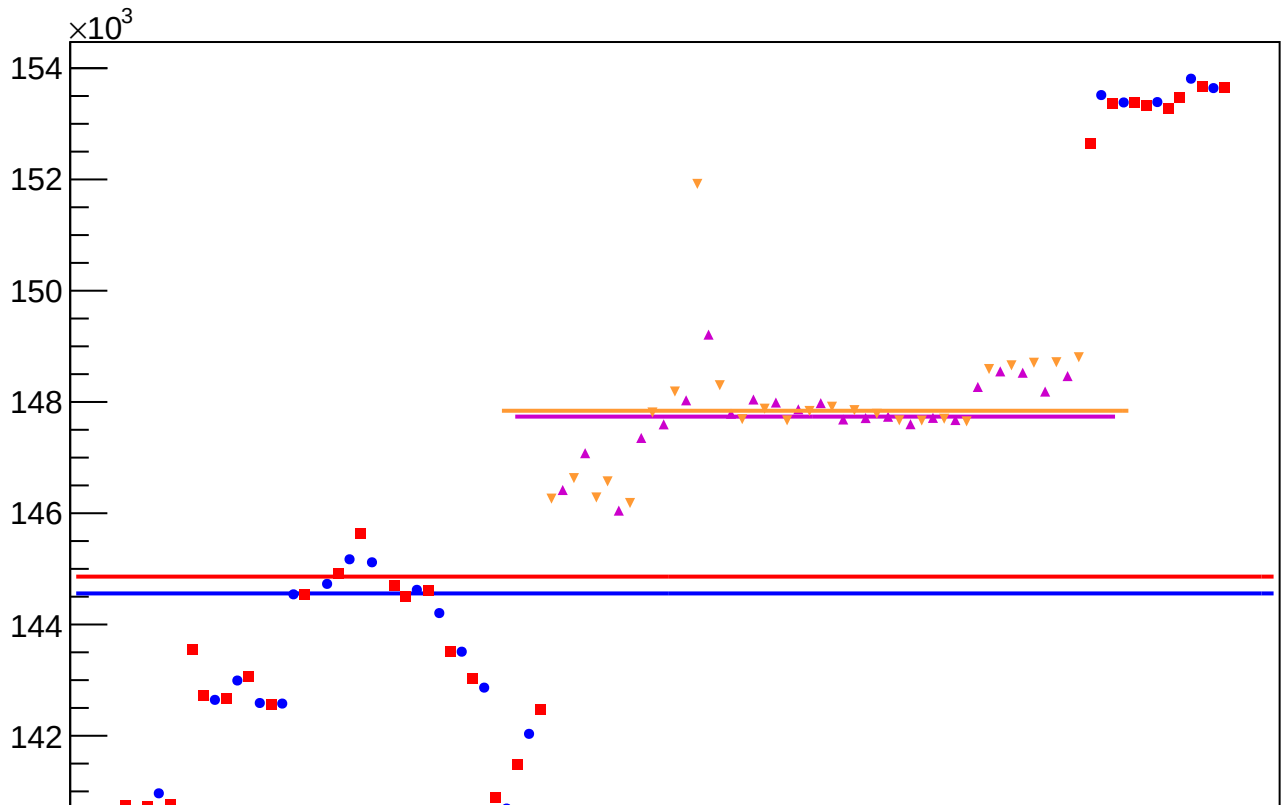
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

Right: 177.472+/-0.028 χ^2/NDF: 5798035.5/47

In: 197.773+/-0.027 χ^2/NDF:3848126.6/43

Out: 196.070+/-0.026 χ^2/NDF:4706316.5/51

All: 196.873+/-0.019 χ^2/NDF: 8556516.5/95



Right In: 144558.441+/-0.050 χ^2/NDF: 5057922209.8/20

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 144860.809+/-0.046 χ^2/NDF: 7067378861.2/26

Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

Left: 147791.782+/-0.033 χ^2/NDF: 942750848.6/47

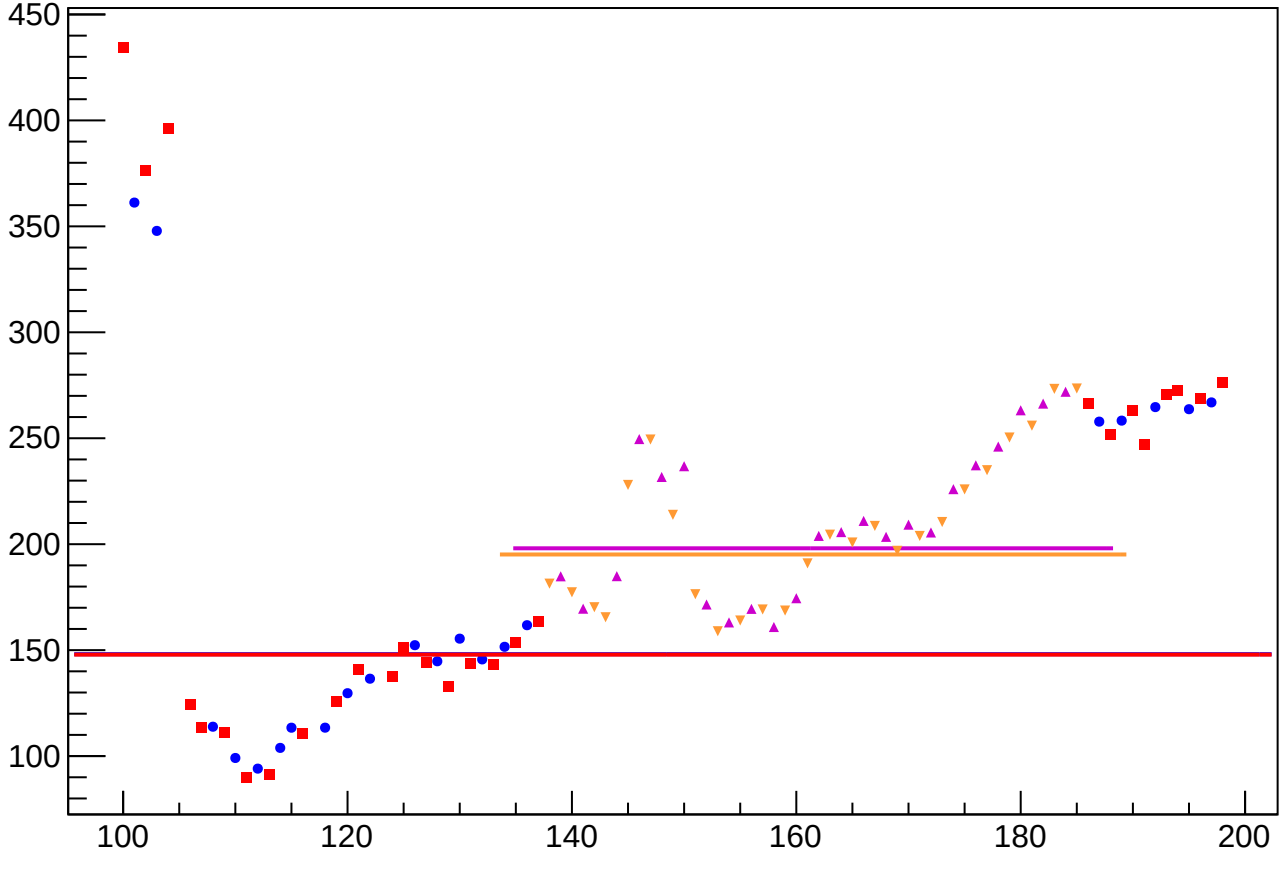
Right: 144722.690+/-0.034 χ^2/NDF: 12145319162.3

In: 146233.562+/-0.034 χ^2/NDF:7430955020.0/43

Out: 146369.370+/-0.032 χ^2/NDF:9936248077.6/5

All: 146305.864+/-0.023 χ^2/NDF: 17375571

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 148.086+/-0.035 χ^2/NDF: 2858418.8/20

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

Right Out: 147.883+/-0.032 χ^2/NDF: 4005684.7/26

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

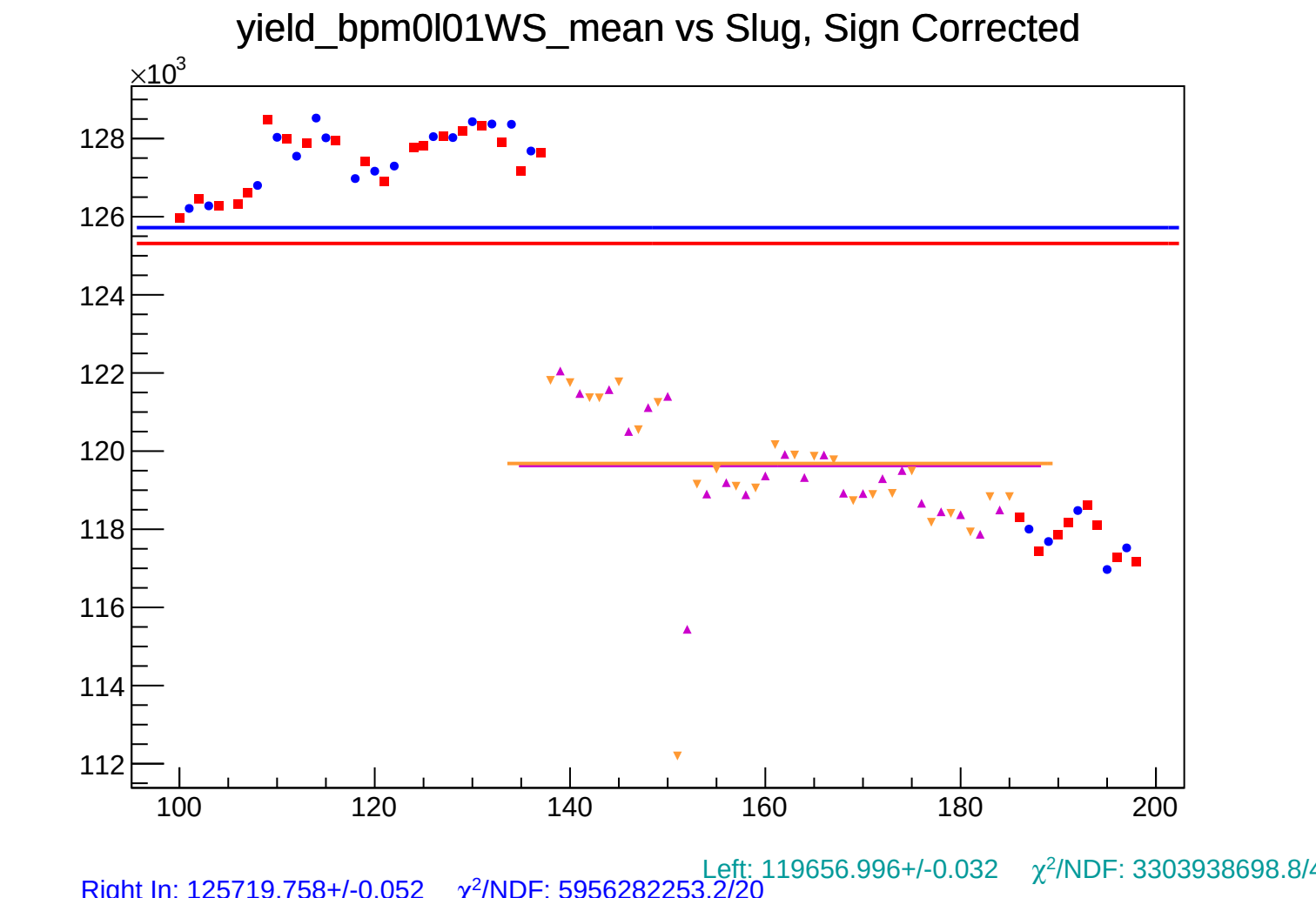
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 147.976+/-0.024 χ^2/NDF: 6864121.5/47

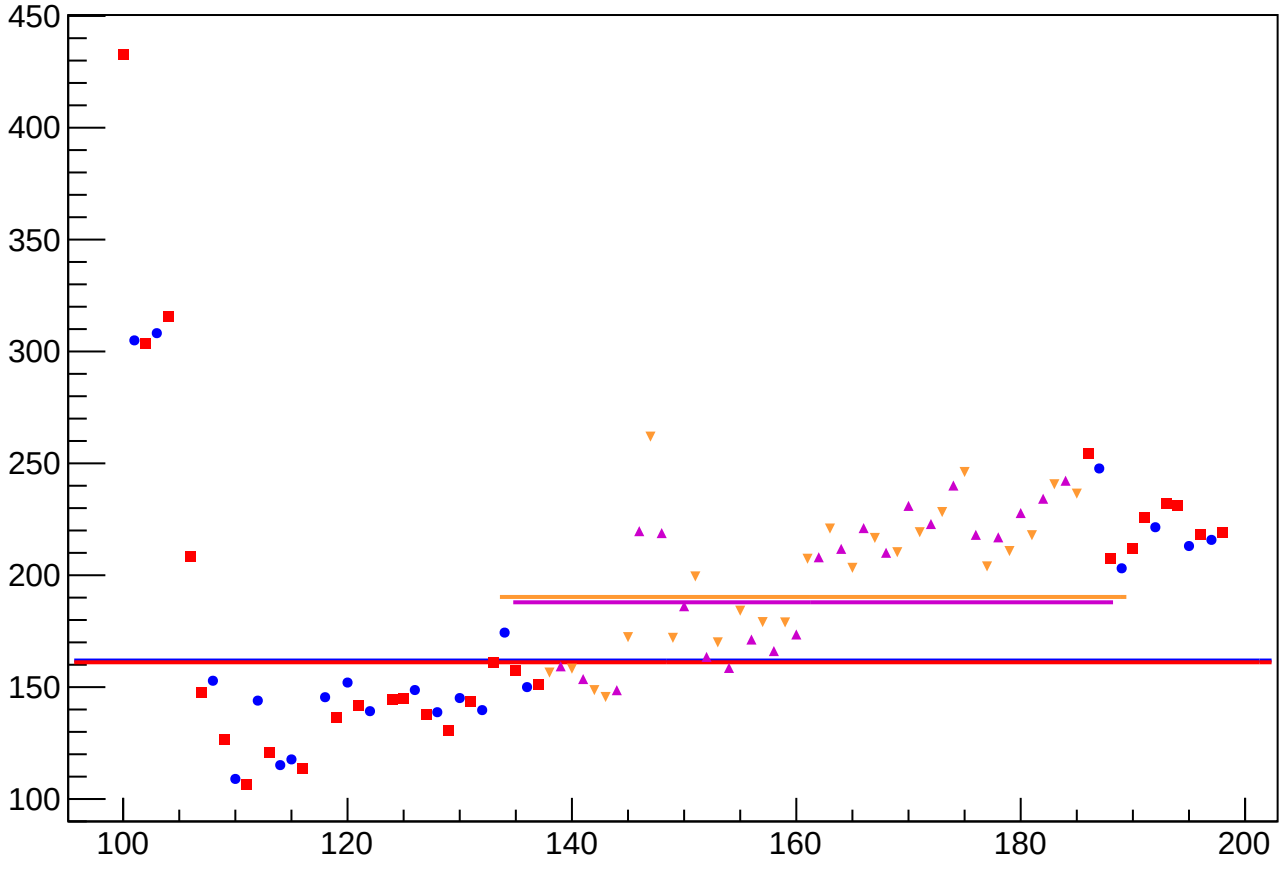
In: 174.423+/-0.024 χ^2/NDF:4819734.4/43

Out: 171.798+/-0.023 χ^2/NDF:5993235.4/51

All: 173.025+/-0.017 χ^2/NDF: 10819225.5/95


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: 125719.758+/-0.052 χ²/NDF: 5956282253.2/20
Left Out: 119683.519+/-0.044 χ²/NDF:1985993997.6/24
Right Out: 125314.702+/-0.048 χ²/NDF: 8151485918.7/26
Left In: 119629.600+/-0.045 χ²/NDF:1317214801.7/22
Left: 119656.996+/-0.032 χ²/NDF: 3303938698.8/4
Right: 125499.026+/-0.035 χ²/NDF: 14140444898.8
In: 122218.939+/-0.034 χ²/NDF:15065639814.9/4
Out: 122283.162+/-0.032 χ²/NDF:17608939836.9
All: 122252.621+/-0.024 χ²/NDF: 32676439

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 161.885+/-0.037 χ^2/NDF: 1361789.2/20

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

Right Out: 161.103+/-0.034 χ^2/NDF: 2076795.4/26

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

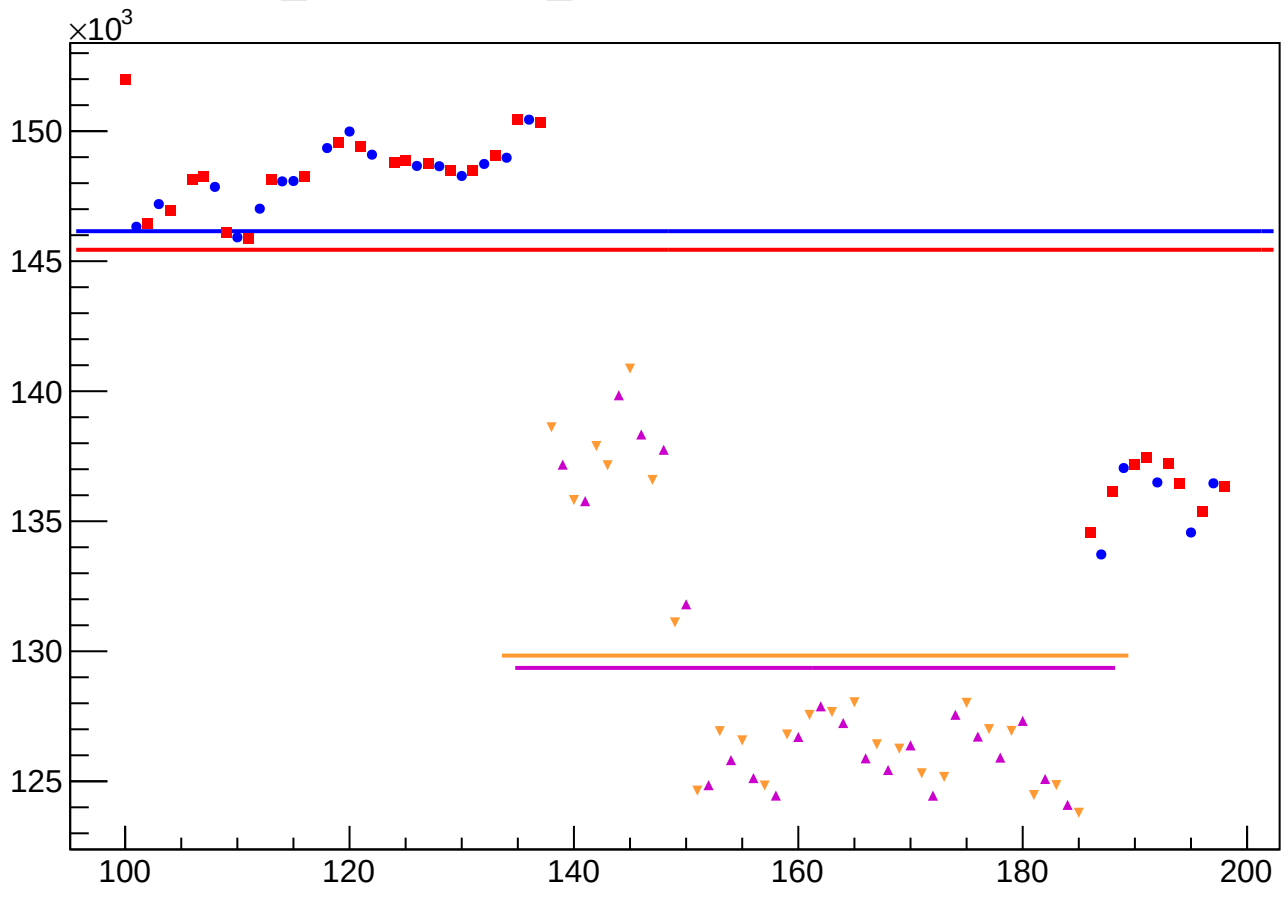
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 161.459+/-0.025 χ^2/NDF: 3438827.9/47

In: 176.844+/-0.024 χ^2/NDF:2572387.6/43

Out: 176.820+/-0.023 χ^2/NDF:3402971.9/51

All: 176.832+/-0.017 χ^2/NDF: 5975360.0/95



Right In: 146153.379+/-0.074 χ^2/NDF: 4707969536.2/20

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 145438.865+/-0.067 χ^2/NDF: 6156631622.2/26

Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

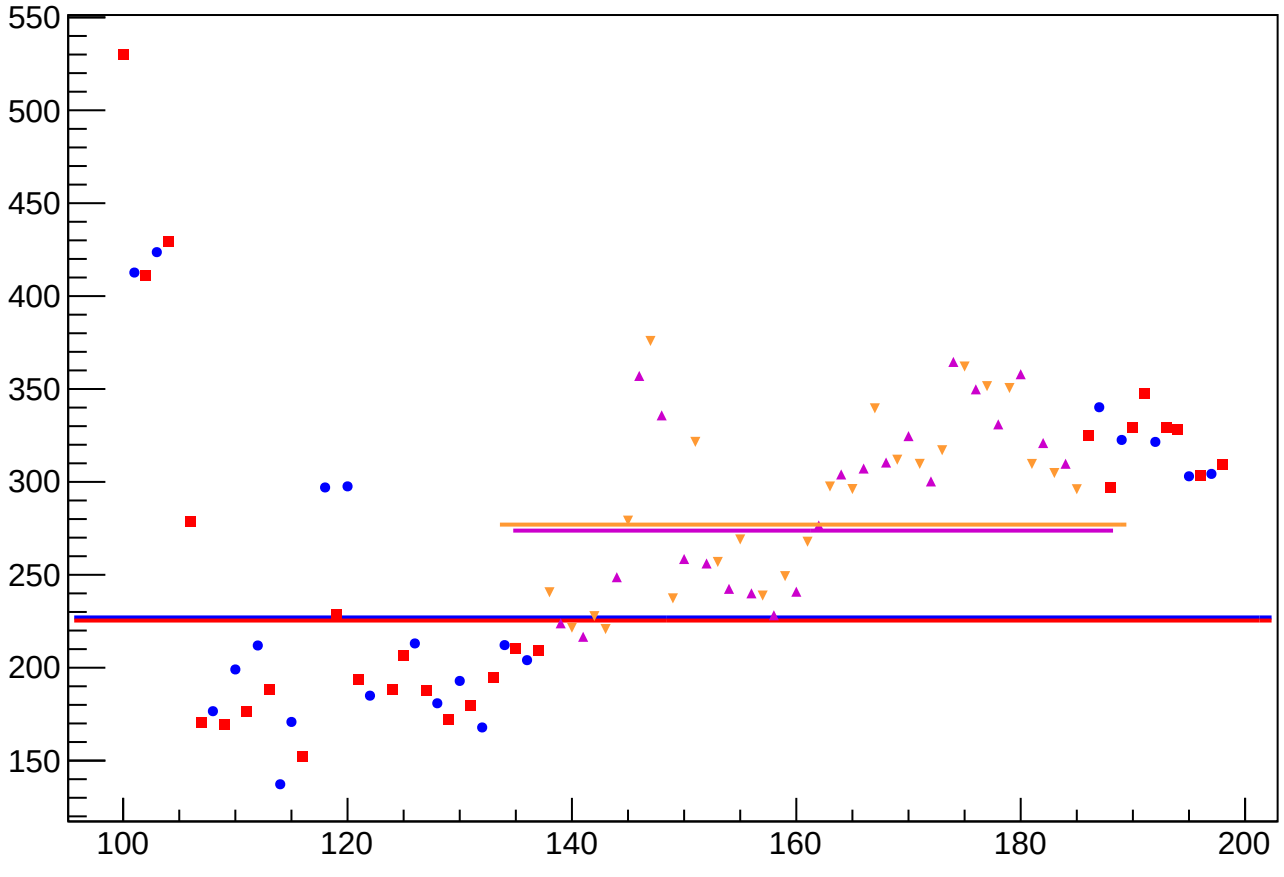
Right: 145761.293+/-0.050 χ^2/NDF: 10915998408.

In: 136738.083+/-0.049 χ^2/NDF:40341391150.9/4

Out: 137309.419+/-0.046 χ^2/NDF:41251417750.8

All: 137039.317+/-0.034 χ^2/NDF: 81664679

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 227.053+/-0.052 χ^2/NDF: 1608112.2/20

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

Right Out: 225.387+/-0.047 χ^2/NDF: 2042492.2/26

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

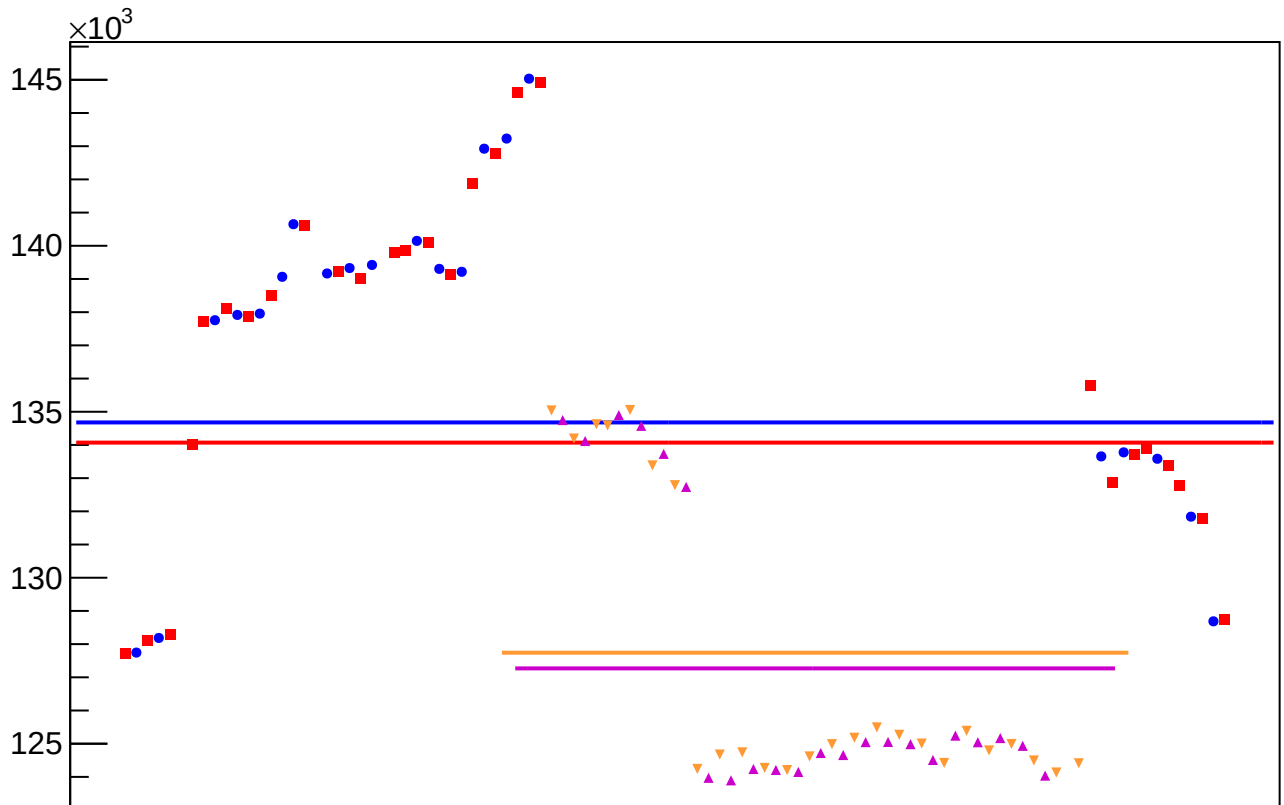
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 226.139+/-0.035 χ^2/NDF: 3651163.2/47

In: 253.254+/-0.035 χ^2/NDF:3061293.3/43

Out: 252.287+/-0.033 χ^2/NDF:3608837.2/51

All: 252.744+/-0.024 χ^2/NDF: 6670542.6/95



Right In: 134678.236+/-0.131 χ^2/NDF: 1929338047.7/20

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 134070.333+/-0.120 χ^2/NDF: 1450731318.8/26

Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

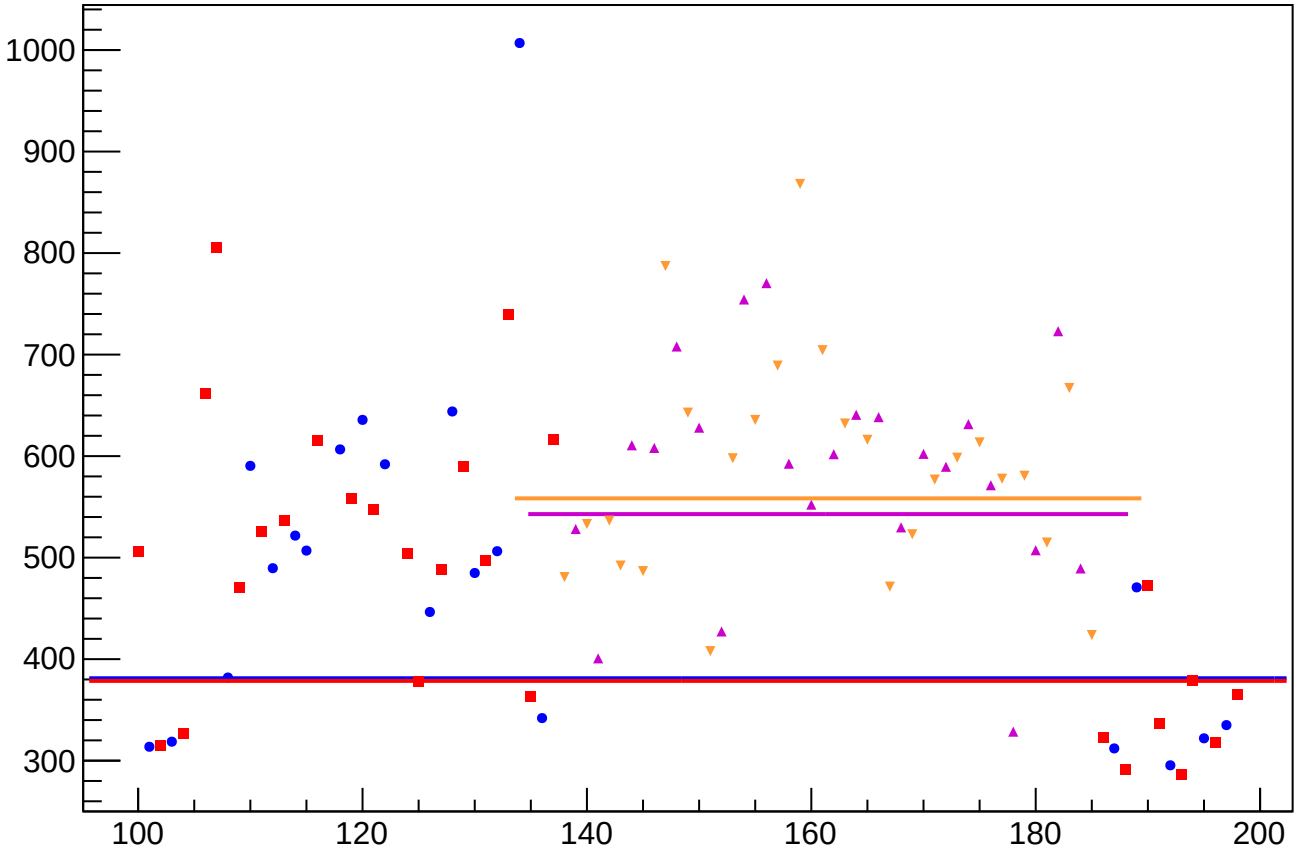
Right: 134347.865+/-0.089 χ^2/NDF: 3391693412.9/

In: 131169.612+/-0.095 χ^2/NDF:4405469245.0/43

Out: 131277.730+/-0.090 χ^2/NDF:3761038709.8/5

All: 131226.769+/-0.065 χ^2/NDF: 816718731

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 381.163+/-0.093 χ^2/NDF: 1338427.7/20

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

Right Out: 378.600+/-0.085 χ^2/NDF: 1504494.9/26

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

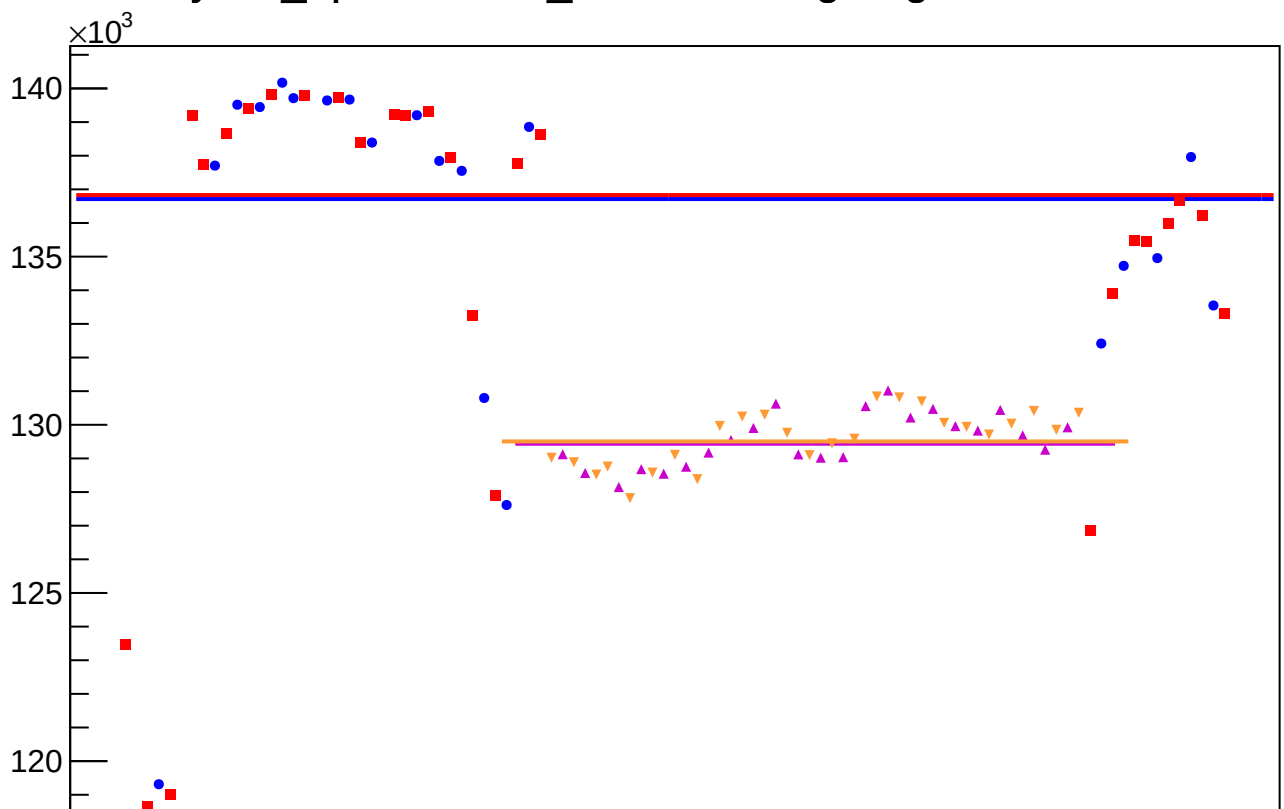
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 379.770+/-0.063 χ^2/NDF: 2843335.9/47

In: 457.735+/-0.067 χ^2/NDF:4188478.6/43

Out: 457.921+/-0.064 χ^2/NDF:4437737.1/51

All: 457.833+/-0.046 χ^2/NDF: 8626219.7/95



Right In: 136711.854+/-0.065 χ^2/NDF: 5991647993.3/20

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136829.646+/-0.059 χ^2/NDF: 6379236517.2/26

Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

Left: 129472.248+/-0.034 χ^2/NDF: 569486507.5/47

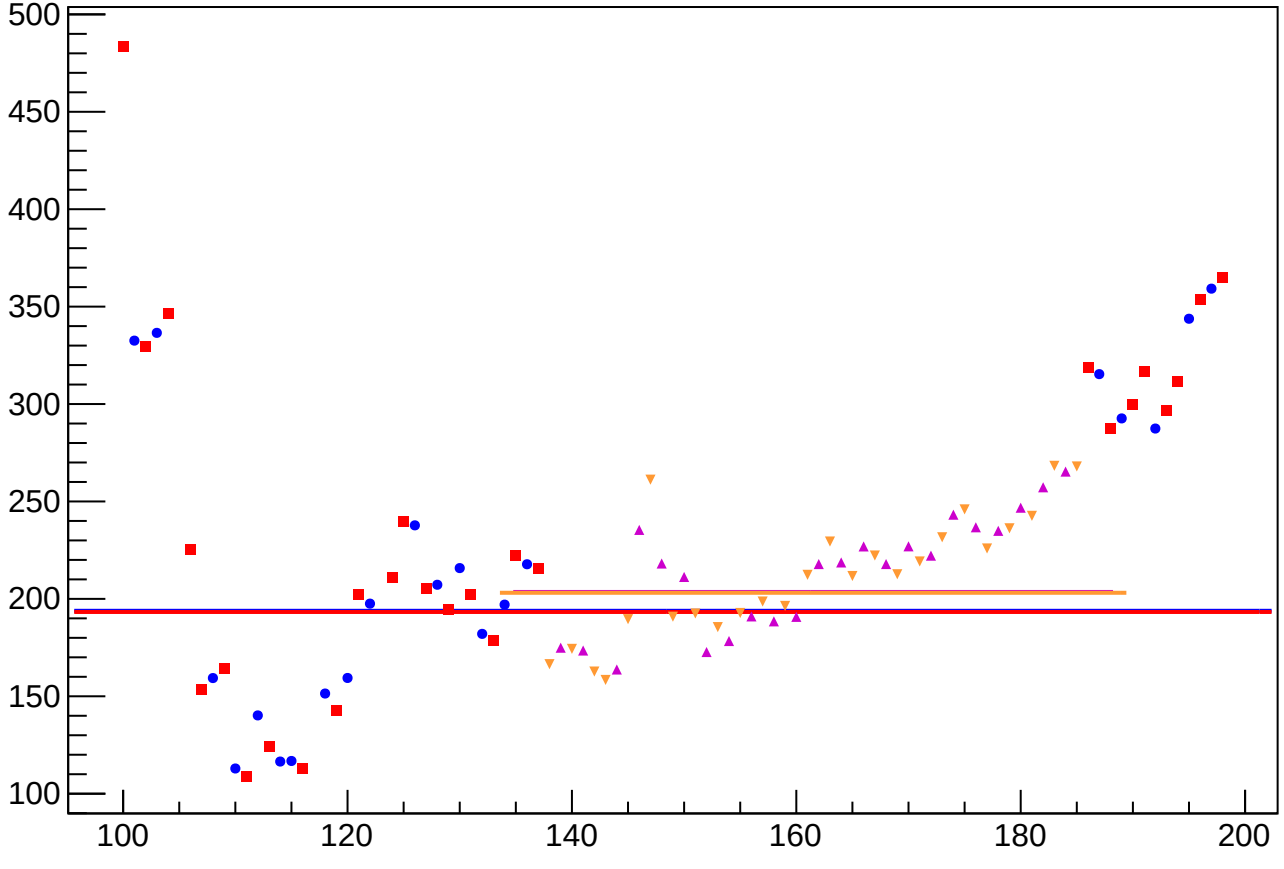
Right: 136775.844+/-0.044 χ^2/NDF: 12372686918.3

In: 132051.469+/-0.039 χ^2/NDF:14367250318.3/4

Out: 132330.960+/-0.037 χ^2/NDF:16050423252.0

All: 132198.357+/-0.027 χ^2/NDF: 30444993

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 193.875+/-0.046 χ^2/NDF: 2413808.4/20

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

Right Out: 193.277+/-0.042 χ^2/NDF: 3421195.3/26

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

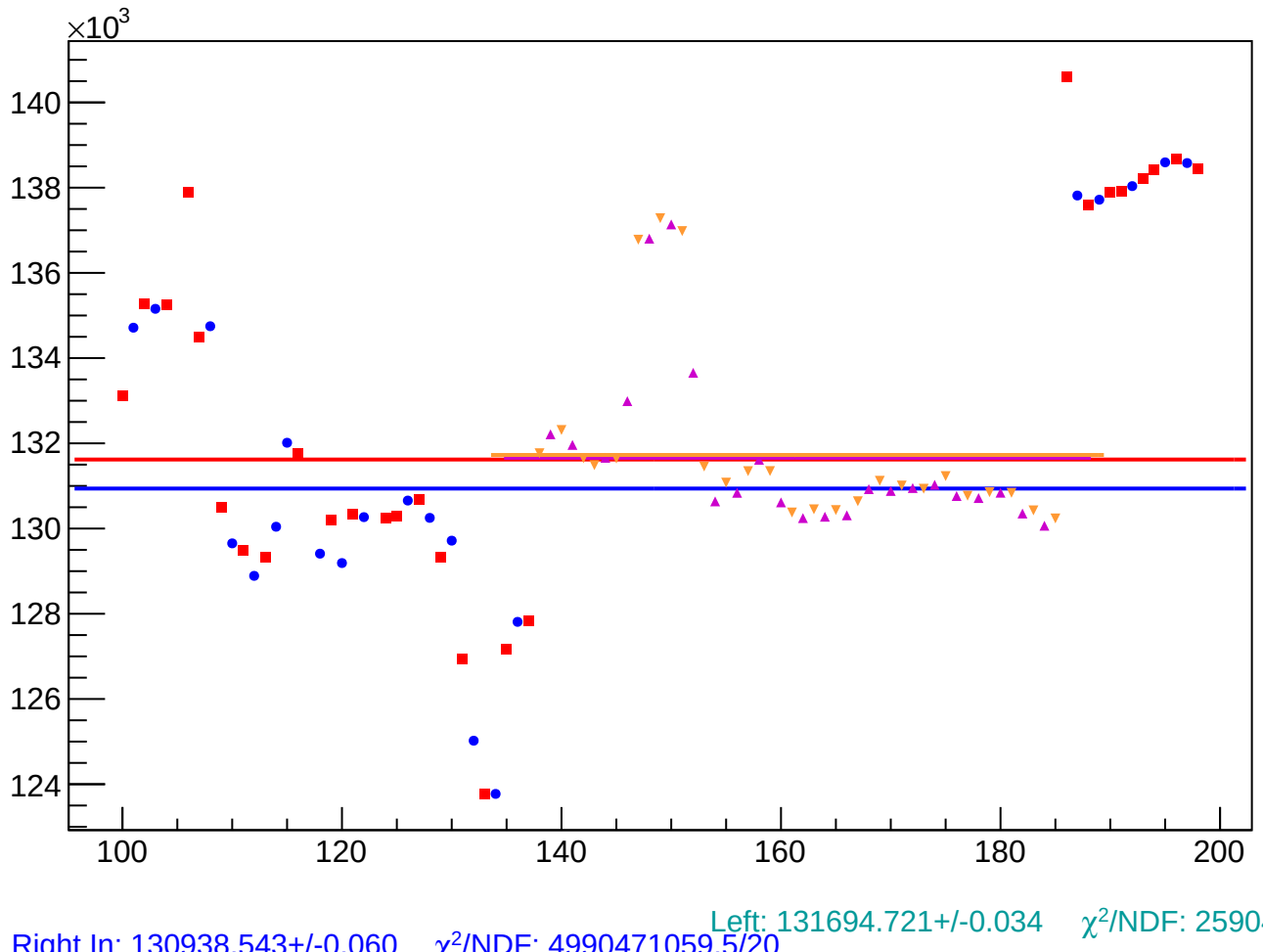
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 193.550+/-0.031 χ^2/NDF: 5835096.4/47

In: 200.071+/-0.027 χ^2/NDF:3108514.4/43

Out: 199.328+/-0.026 χ^2/NDF:4213551.8/51

All: 199.680+/-0.019 χ^2/NDF: 7322452.4/95



Right In: 130938.543+/-0.060 χ^2/NDF: 4990471059.5/20

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 131619.811+/-0.054 χ^2/NDF: 6175348061.9/26

Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

Left: 131694.721+/-0.034 χ^2/NDF: 2590408205.6/4

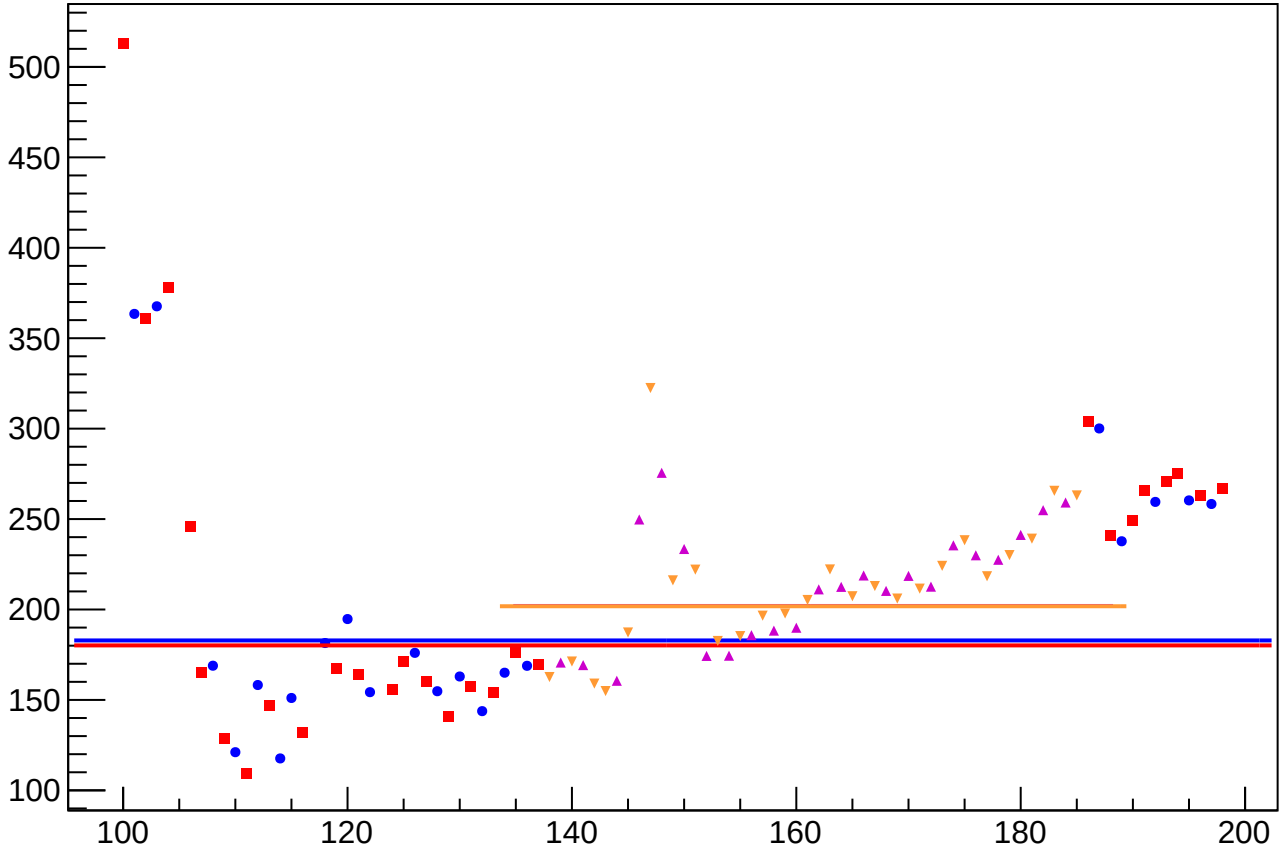
Right: 131312.377+/-0.040 χ^2/NDF: 11236938713.

In: 131376.584+/-0.038 χ^2/NDF:6243161832.7/43

Out: 131681.281+/-0.035 χ^2/NDF:7602632916.3/5

All: 131537.549+/-0.026 χ^2/NDF: 13880622

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 182.894+/-0.042 χ^2/NDF: 1639774.5/20

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

Right Out: 180.147+/-0.038 χ^2/NDF: 2557103.1/26

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

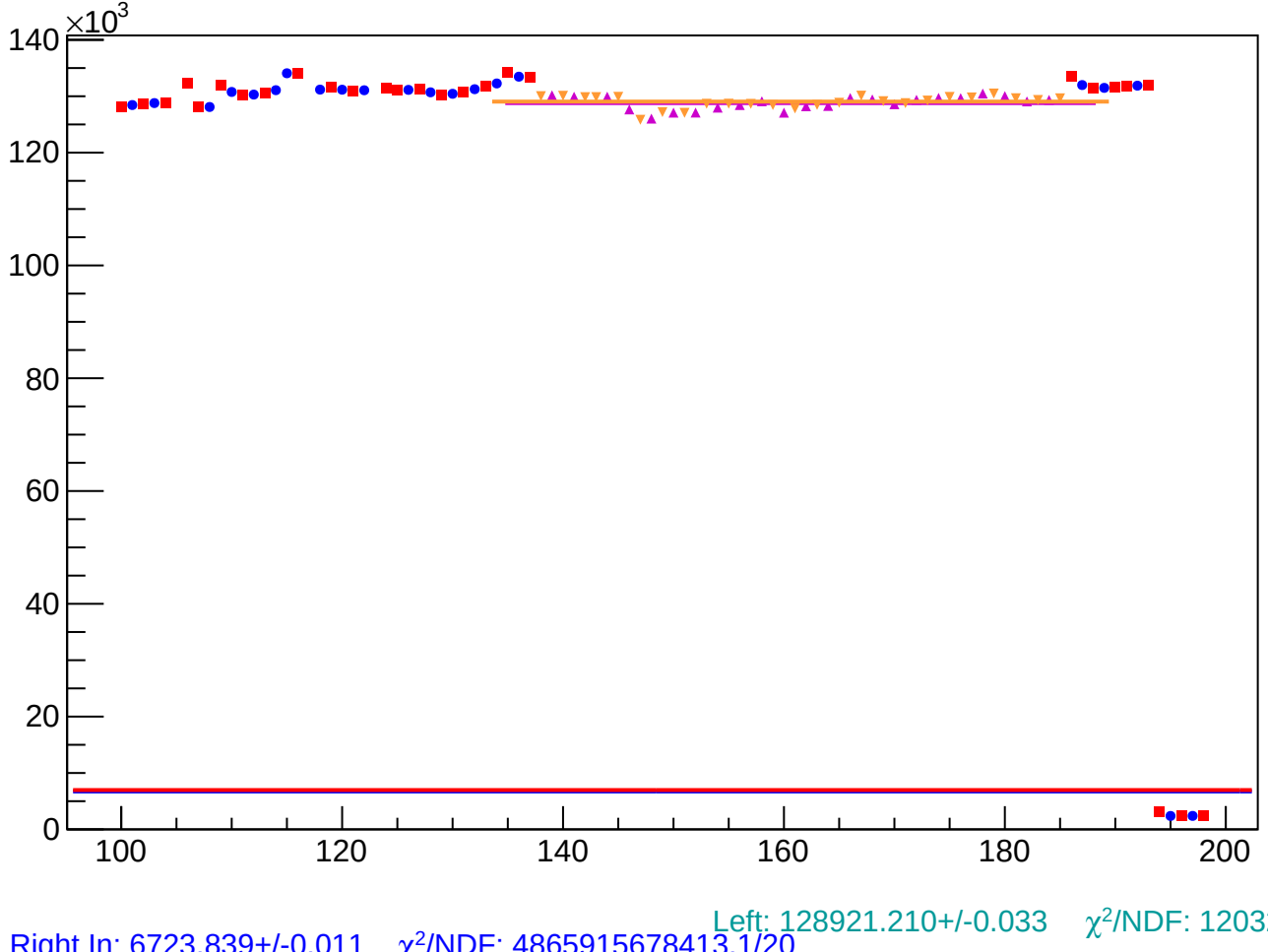
Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 181.387+/-0.028 χ^2/NDF: 4199191.0/47

In: 194.454+/-0.027 χ^2/NDF:2565485.5/43

Out: 192.553+/-0.025 χ^2/NDF:3644878.0/51

All: 193.450+/-0.018 χ^2/NDF: 6213075.7/95



Right In: 6723.839+/-0.011 χ^2/NDF: 4865915678413.1/20

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 6972.057+/-0.010 χ^2/NDF: 5752295963889.9/26

Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

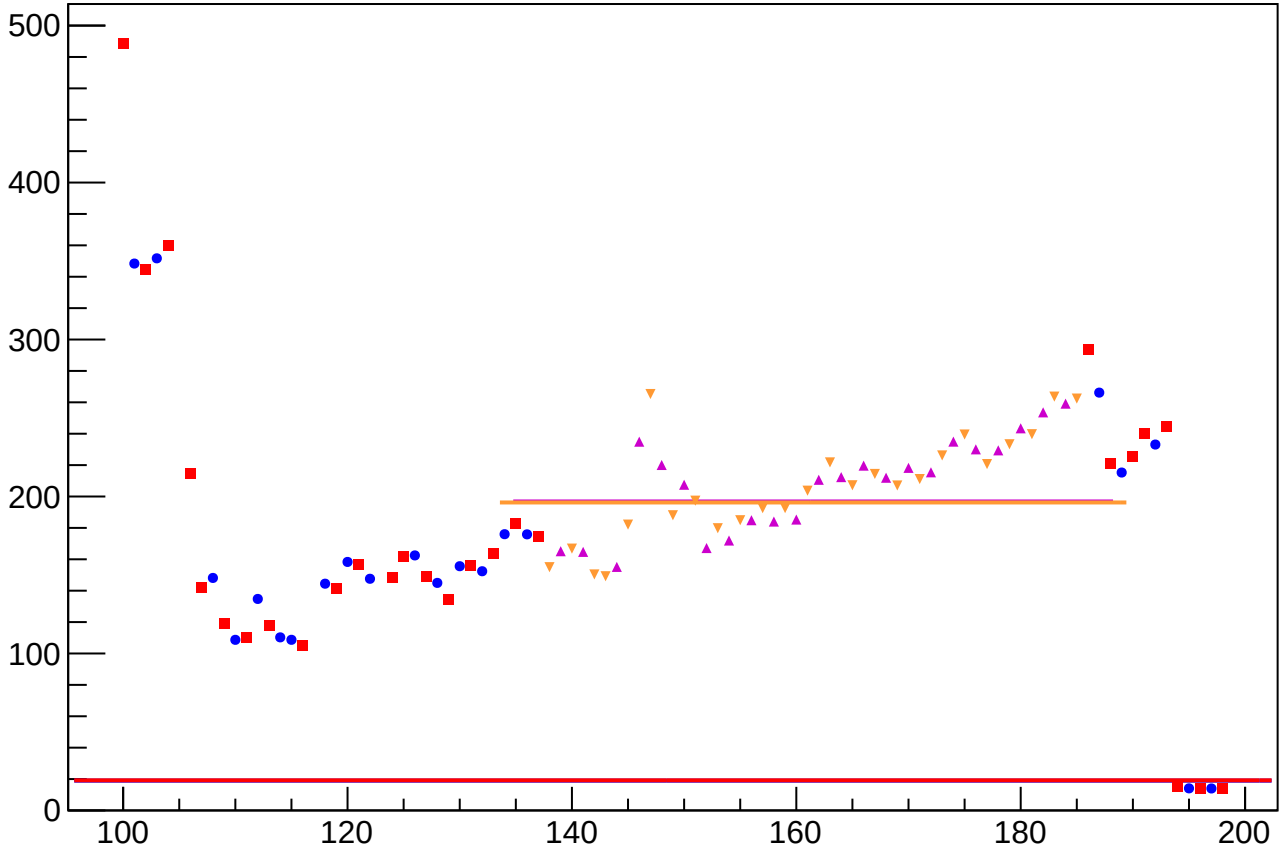
Right: 6856.664+/-0.007 χ^2/NDF: 10618508943735

In: 12583.016+/-0.010 χ^2/NDF:11315614563367.

Out: 12402.480+/-0.010 χ^2/NDF:12633945145093

All: 12486.574+/-0.007 χ^2/NDF: 2394972463

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 18.995+/-0.007 χ^2/NDF: 14093322.5/20

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

Right Out: 19.195+/-0.007 χ^2/NDF: 16129172.4/26

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

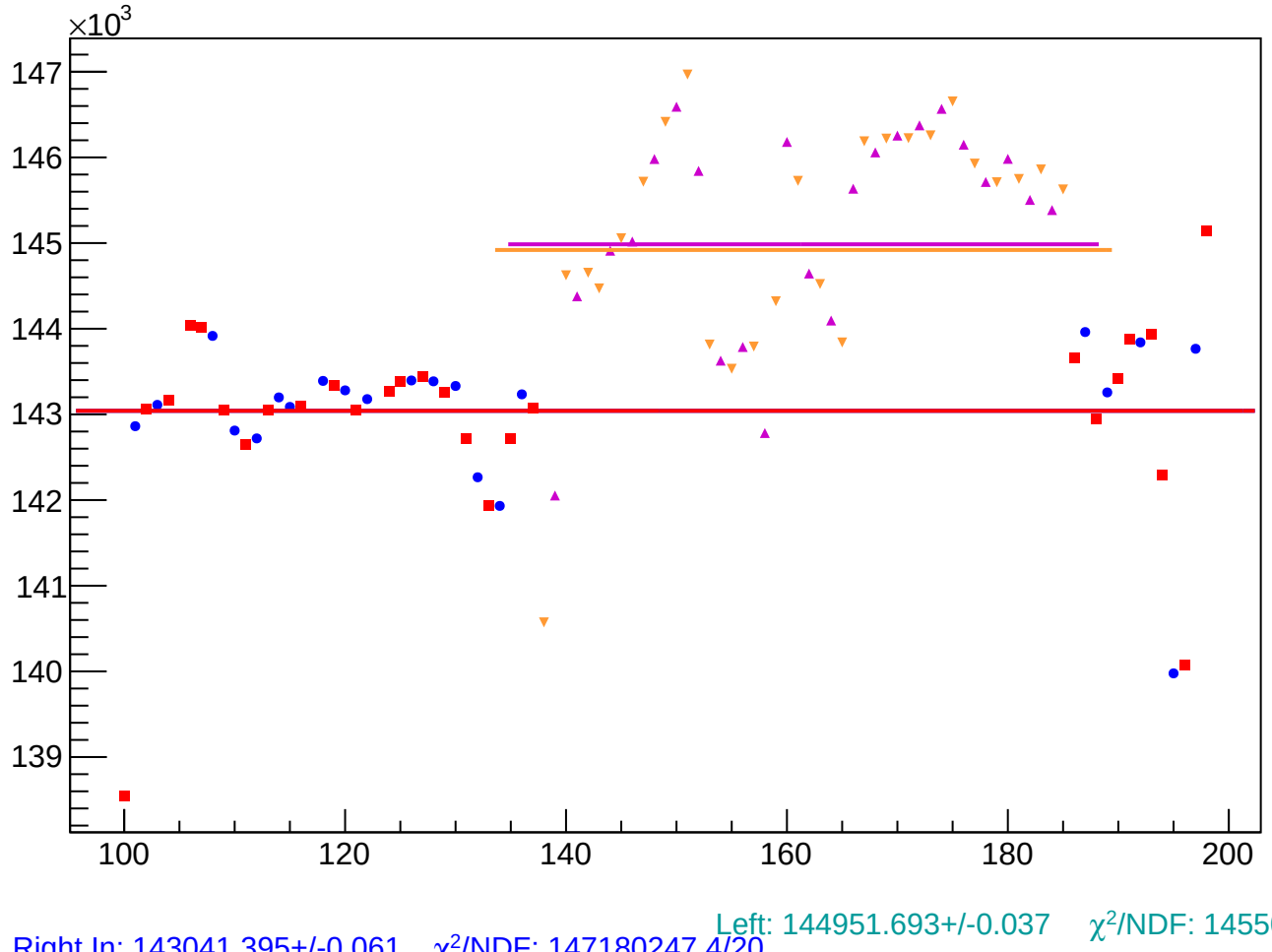
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 19.102+/-0.005 χ^2/NDF: 30222881.1/47

In: 27.532+/-0.007 χ^2/NDF:42248094.7/43

Out: 27.069+/-0.007 χ^2/NDF:45985143.8/51

All: 27.285+/-0.005 χ^2/NDF: 88235408.9/95



Right In: 143041.395+/-0.061 χ^2/NDF: 147180247.4/20

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143041.702+/-0.055 χ^2/NDF: 157685762.0/26

Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

Left: 144951.693+/-0.037 χ^2/NDF: 1455041879.5/4

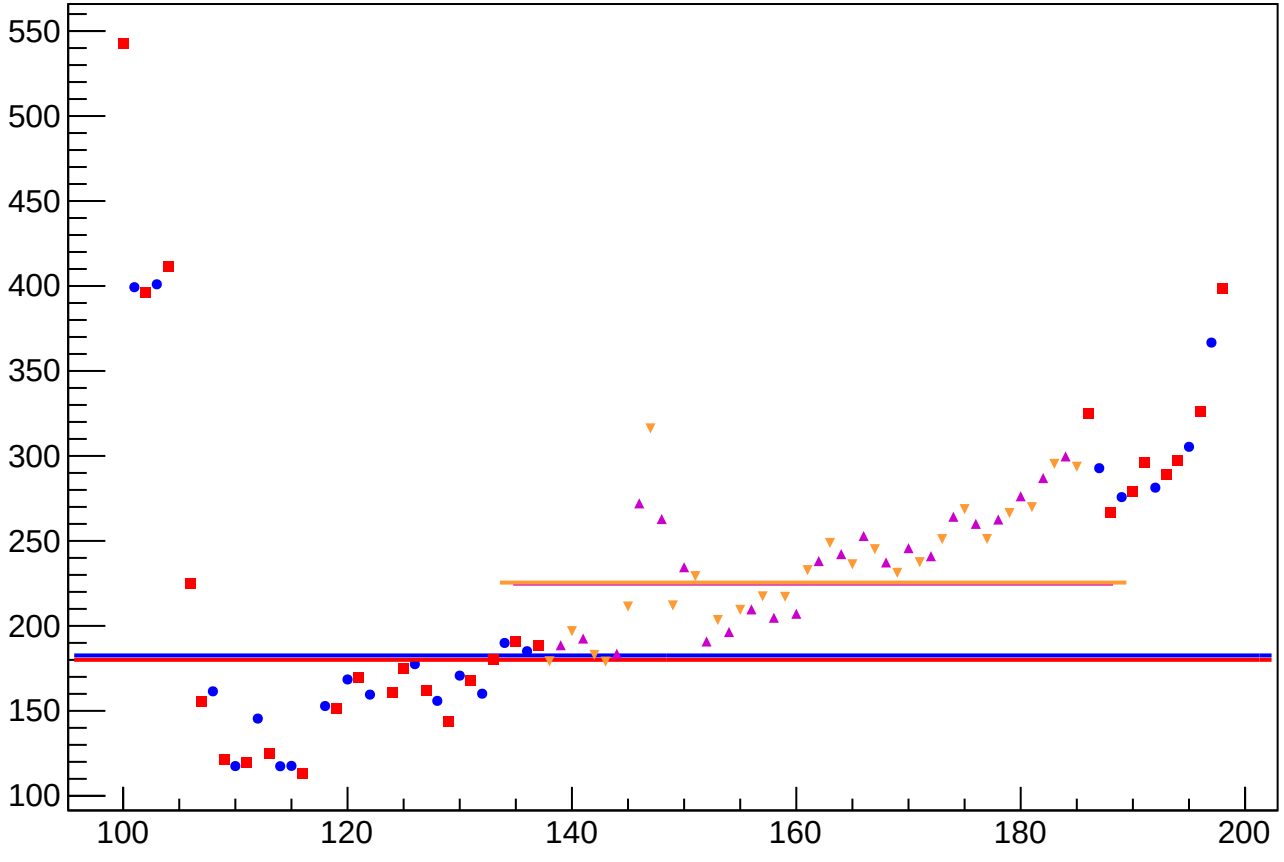
Right: 143041.563+/-0.041 χ^2/NDF: 304866023.4/4

In: 144131.846+/-0.040 χ^2/NDF:1344252645.4/43

Out: 144032.430+/-0.038 χ^2/NDF:1603745286.1/5

All: 144079.358+/-0.028 χ^2/NDF: 29512393

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 182.609+/-0.043 χ^2/NDF: 2395521.3/20

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

Right Out: 180.032+/-0.039 χ^2/NDF: 3573666.1/26

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 181.202+/-0.029 χ^2/NDF: 5971166.3/47

In: 206.312+/-0.028 χ^2/NDF:3665773.4/43

Out: 204.010+/-0.027 χ^2/NDF:5064318.8/51

All: 205.096+/-0.019 χ^2/NDF: 8733566.9/95

Right In: 241.998+/-0.006 χ^2/NDF: 5328821342925.8/20

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: 127.790+/-0.005 χ^2/NDF: 6416917696261.3/26

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

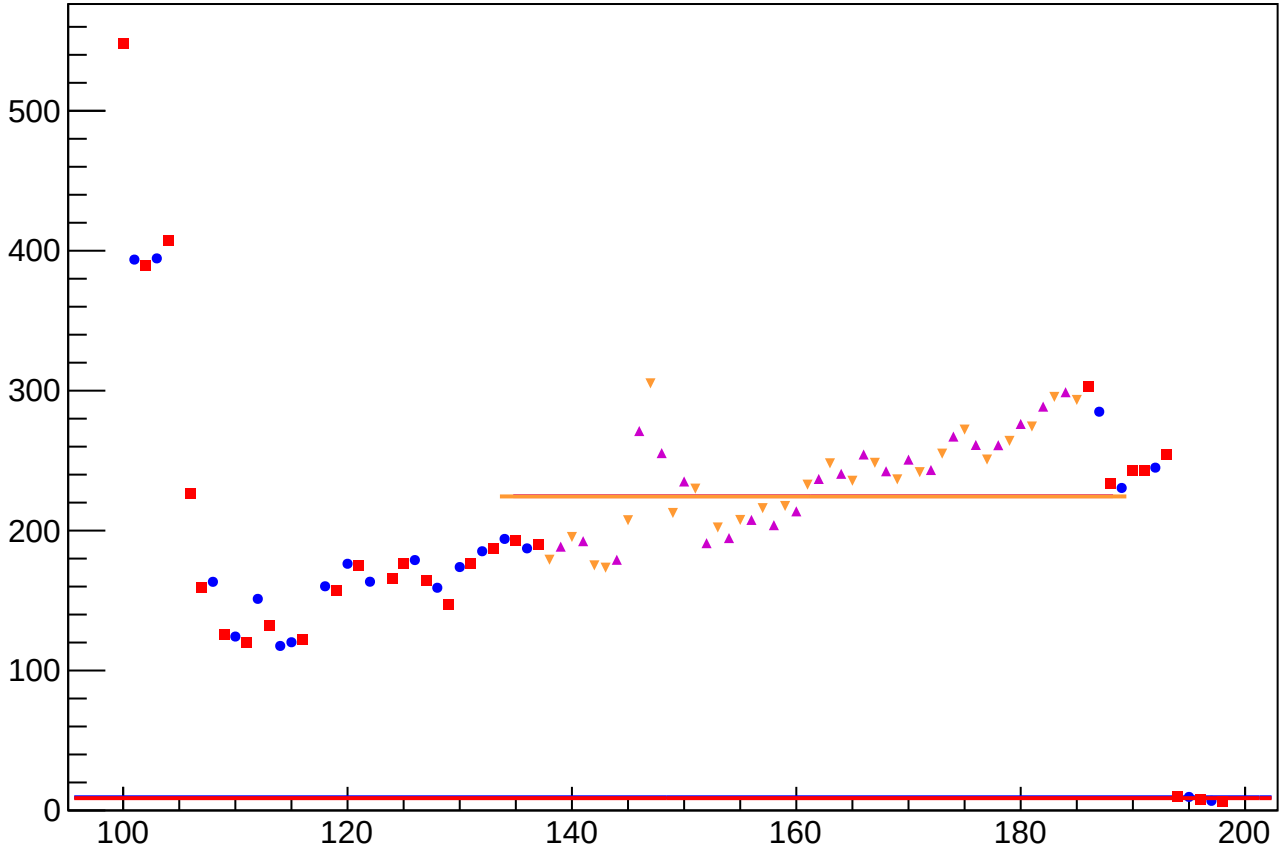
Right: 177.013+/-0.004 χ^2/NDF: 11745940141641.4

In: 2093.975+/-0.006 χ^2/NDF:12646669759925.7

Out: 1620.299+/-0.005 χ^2/NDF:14208221043184.

All: 1824.743+/-0.004 χ^2/NDF: 2685839078

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 9.410+/-0.004 χ^2/NDF: 15789573.0/20

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

Right Out: 8.792+/-0.004 χ^2/NDF: 18190073.6/26

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

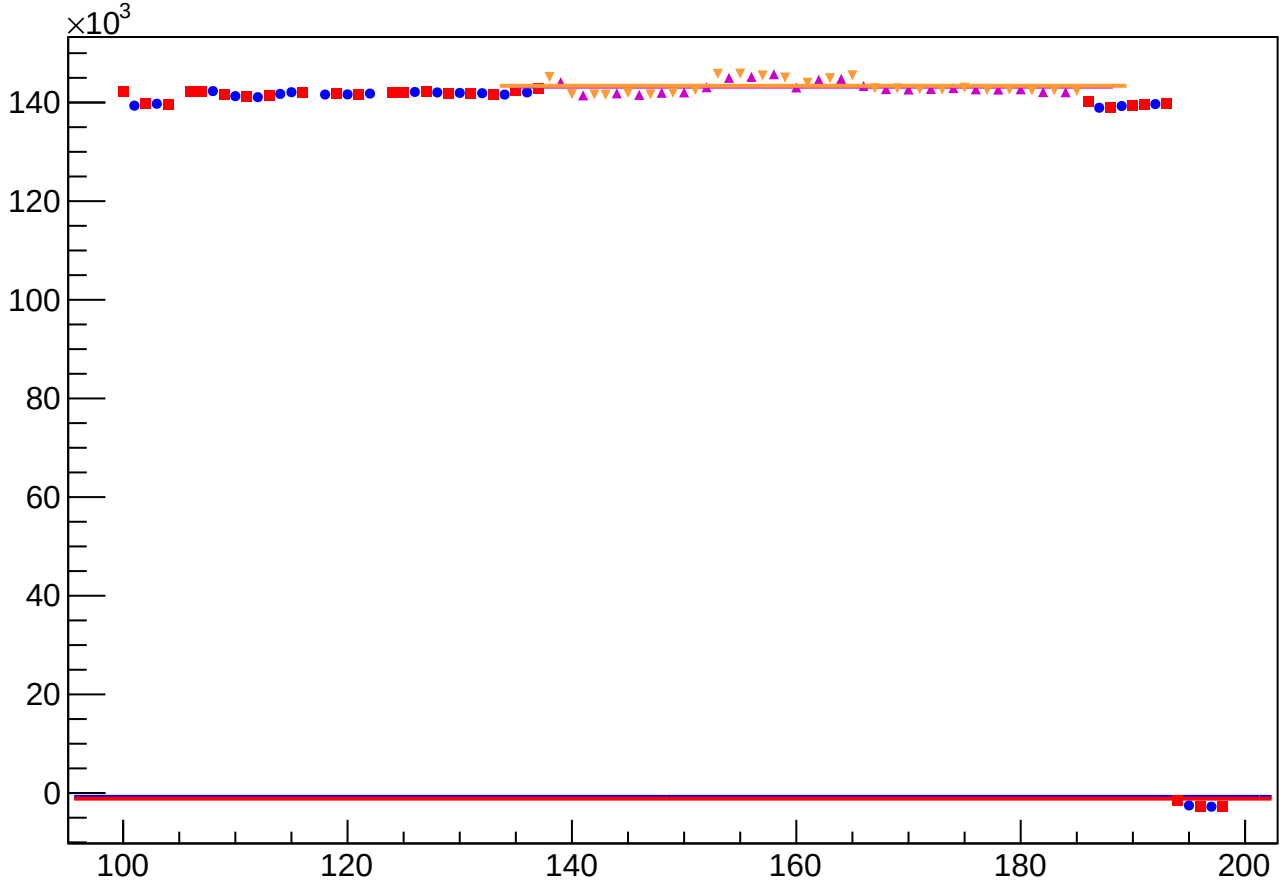
Right: 9.058+/-0.003 χ^2/NDF: 33991419.2/47

In: 12.143+/-0.004 χ^2/NDF:48435193.4/43

Out: 10.997+/-0.004 χ^2/NDF:53061260.7/51

All: 11.492+/-0.003 χ^2/NDF: 101537443.3/95

yield_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -783.590+/-0.007 χ^2/NDF: 4902550032028.9/20

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -1129.325+/-0.006 χ^2/NDF: 5777728343215.5/26

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

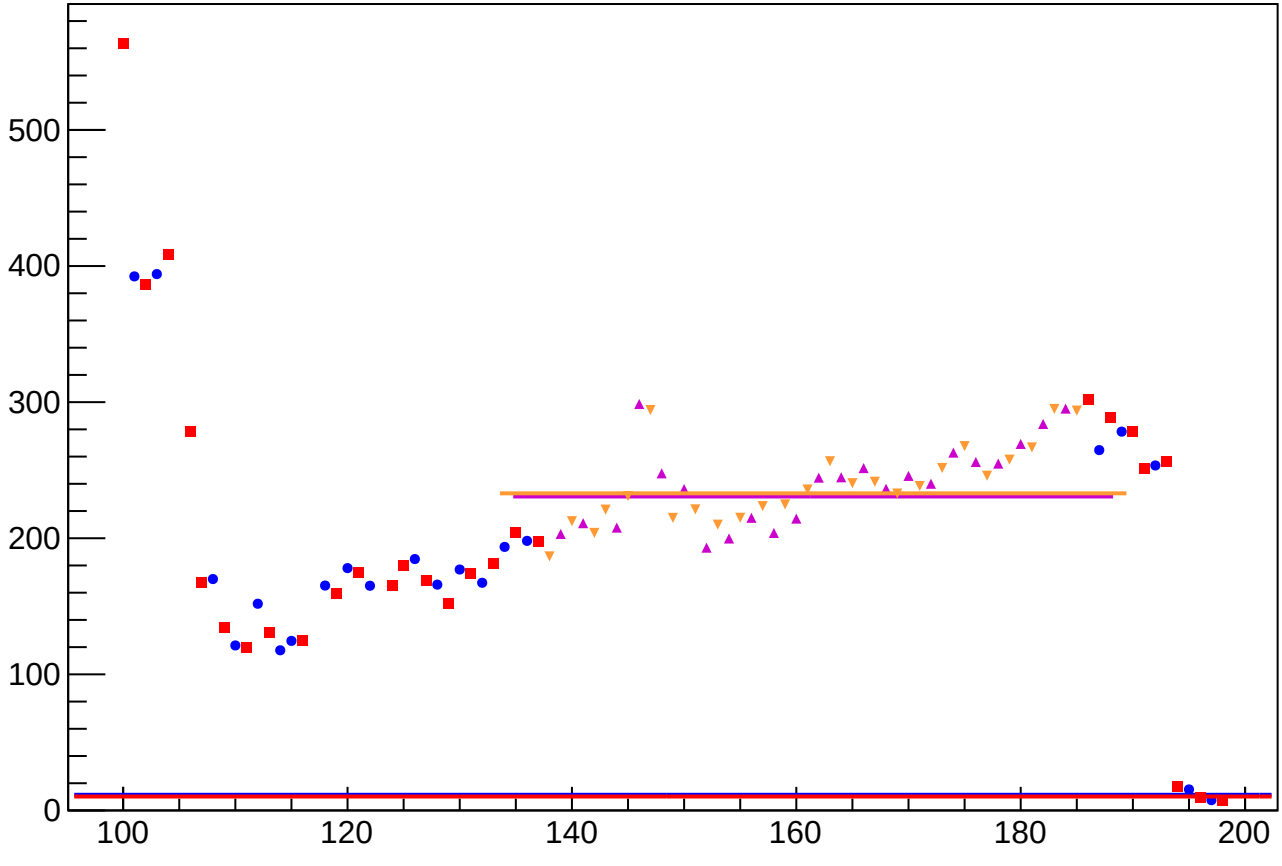
Right: -988.095+/-0.005 χ^2/NDF: 10681543544411

In: 1844.538+/-0.007 χ^2/NDF:11675242834251.9

Out: 780.401+/-0.006 χ^2/NDF:12929506665552.3

All: 1216.408+/-0.005 χ^2/NDF: 2461693230

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 11.508+/-0.005 χ^2/NDF: 15757891.0/20

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

Right Out: 10.255+/-0.004 χ^2/NDF: 18136568.3/26

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

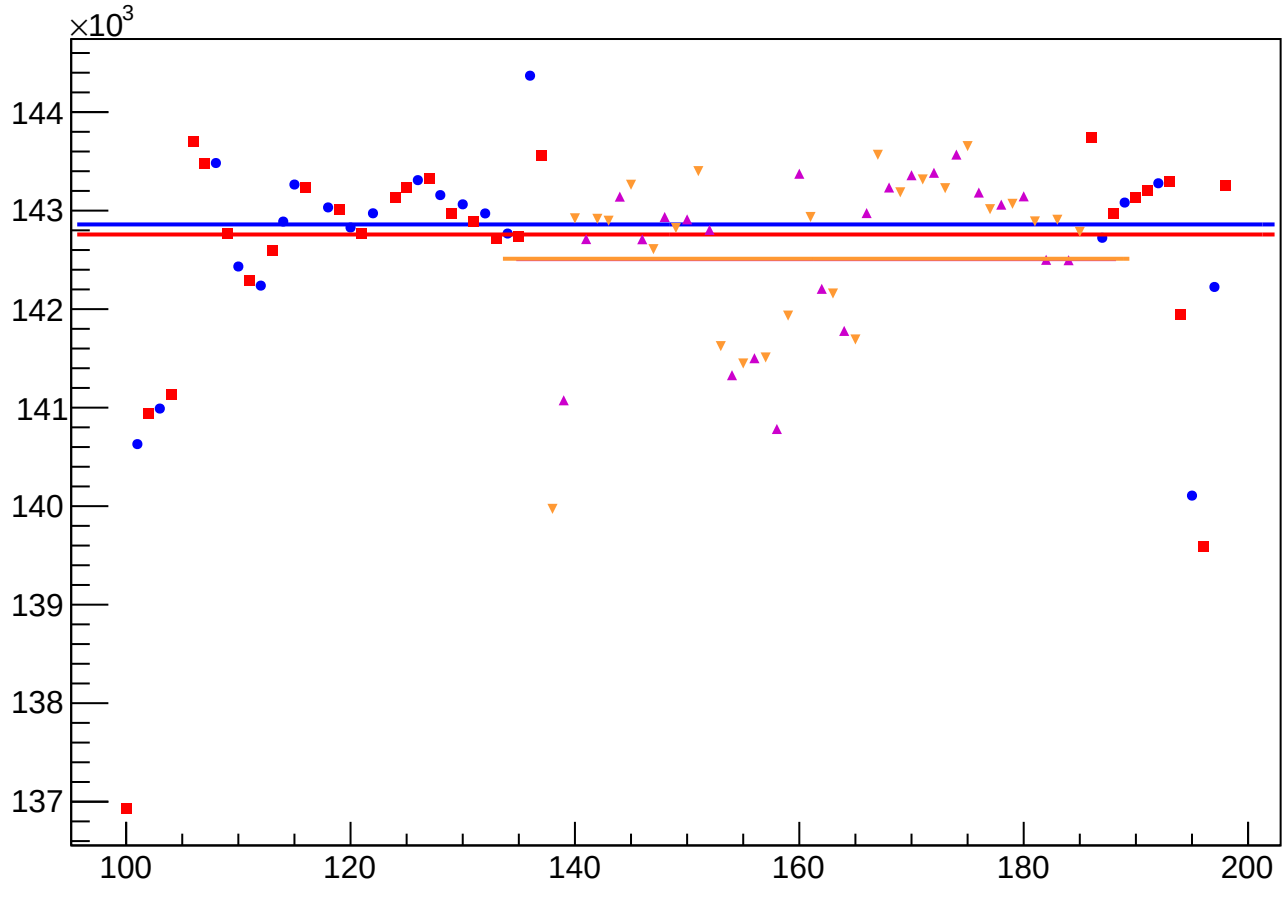
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 10.767+/-0.003 χ^2/NDF: 33927697.9/47

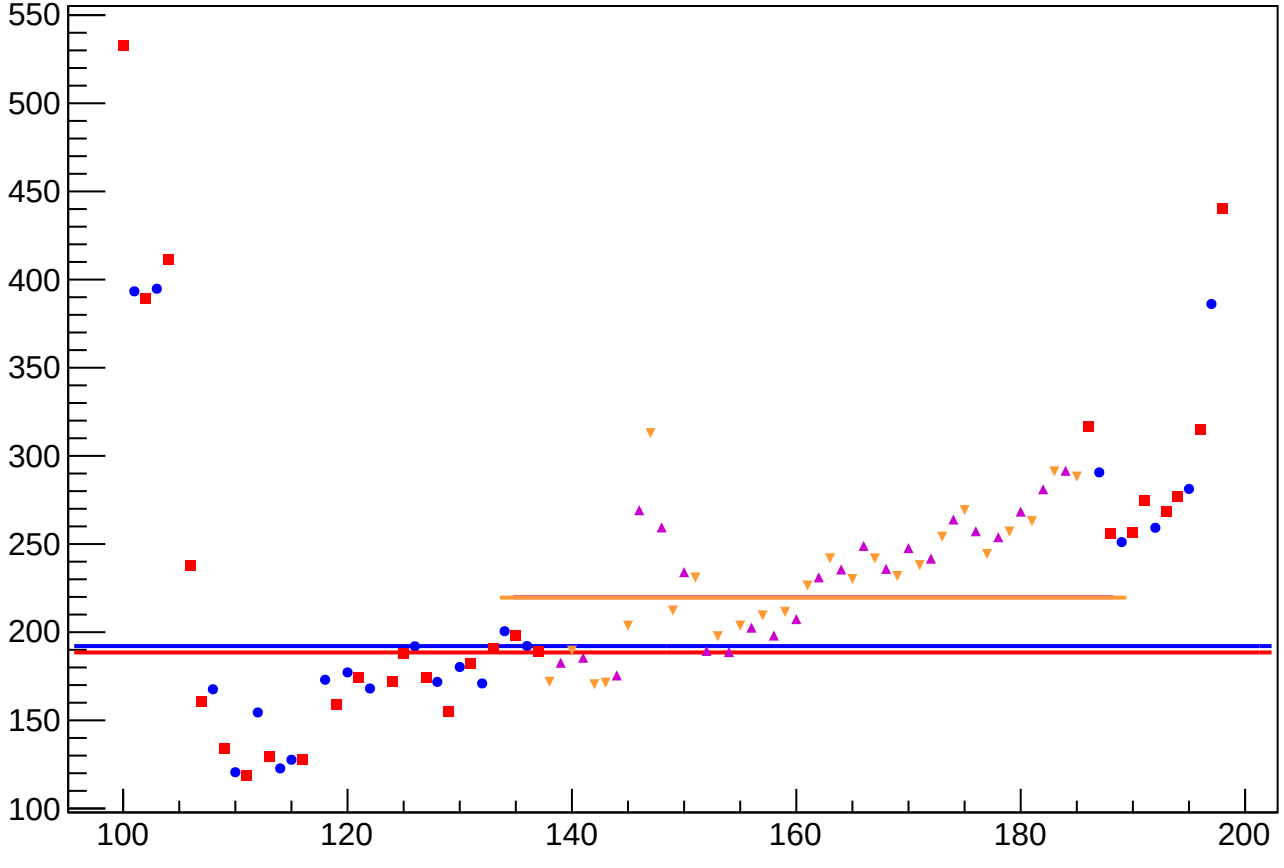
In: 15.508+/-0.005 χ^2/NDF:47647545.0/43

Out: 13.199+/-0.004 χ^2/NDF:52561327.7/51

All: 14.145+/-0.003 χ^2/NDF: 100323655.5/95


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: 142859.728+/-0.063 χ²/NDF: 198465809.5/20
Left Out: 142511.381+/-0.051 χ²/NDF:338087157.2/24
Right Out: 142757.677+/-0.057 χ²/NDF: 160252702.9/26
Left In: 142507.563+/-0.052 χ²/NDF:269272097.4/22
Left: 142509.527+/-0.037 χ²/NDF: 607361986.5/47
Right: 142803.678+/-0.042 χ²/NDF: 360151958.3/4
In: 142651.115+/-0.040 χ²/NDF:486148968.1/43
Out: 142620.164+/-0.038 χ²/NDF:508681406.0/51
All: 142634.733+/-0.028 χ²/NDF: 995142100

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 192.118+/-0.045 χ^2/NDF: 1990789.6/20

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

Right Out: 188.513+/-0.040 χ^2/NDF: 3079892.7/26

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

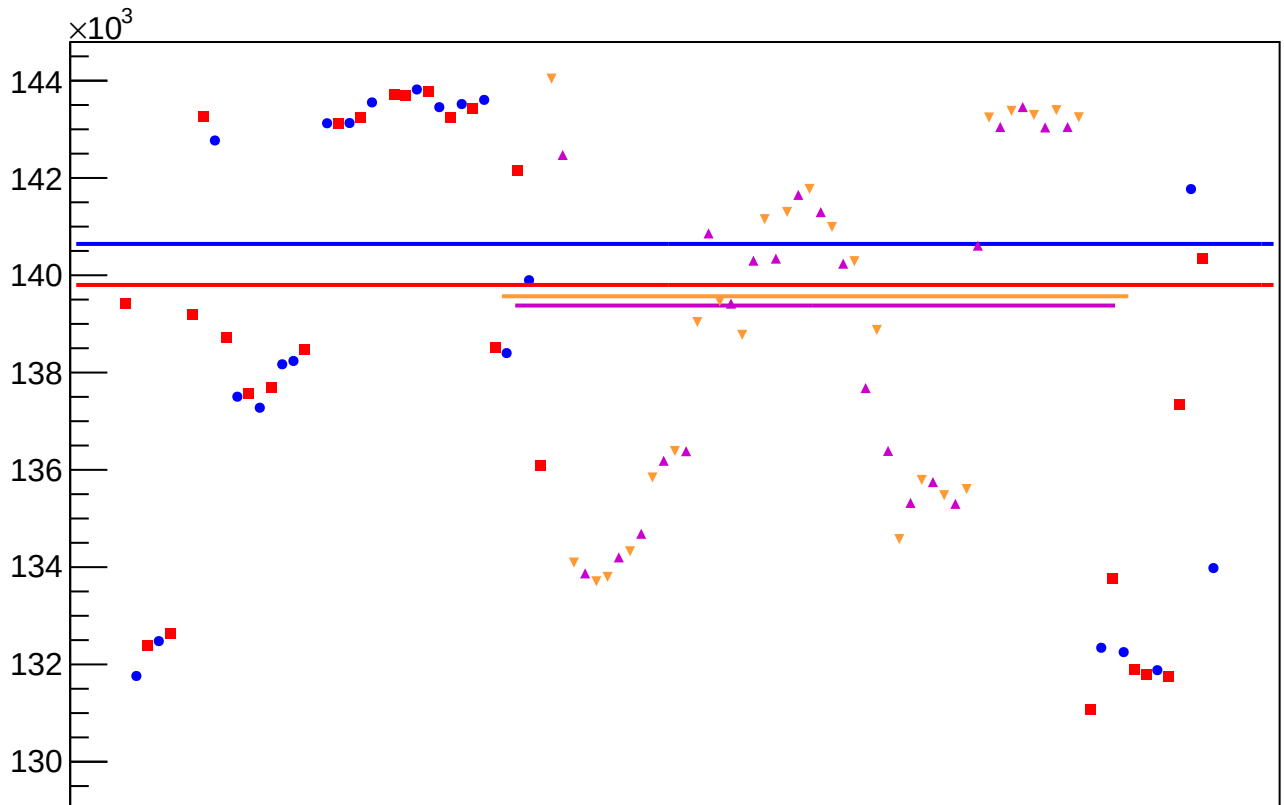
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 190.138+/-0.030 χ^2/NDF: 5074258.3/47

In: 208.524+/-0.029 χ^2/NDF:3024032.8/43

Out: 205.880+/-0.027 χ^2/NDF:4311795.2/51

All: 207.124+/-0.020 χ^2/NDF: 7340377.7/95



Right In: 140644.192+/-0.090 χ^2/NDF: 1867010803.8/20

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139800.934+/-0.088 χ^2/NDF: 2359799650.6/26

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

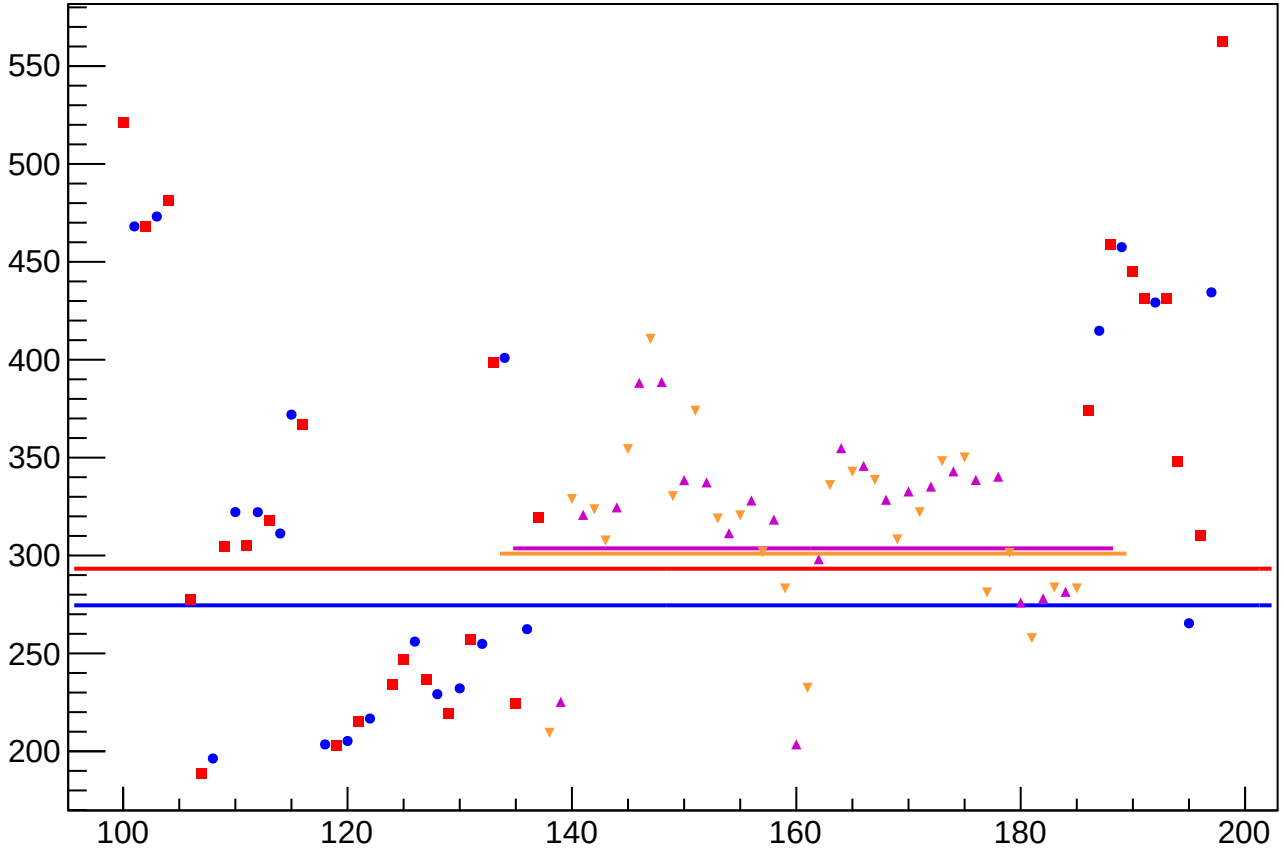
Right: 140211.738+/-0.063 χ^2/NDF: 4271768958.8/

In: 139879.388+/-0.057 χ^2/NDF:3907873400.1/43

Out: 139659.047+/-0.055 χ^2/NDF:4950714021.6/5

All: 139765.369+/-0.039 χ^2/NDF: 88664053

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 274.559+/-0.064 χ^2/NDF: 1688188.7/20

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

Right Out: 293.269+/-0.062 χ^2/NDF: 2209816.9/26

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

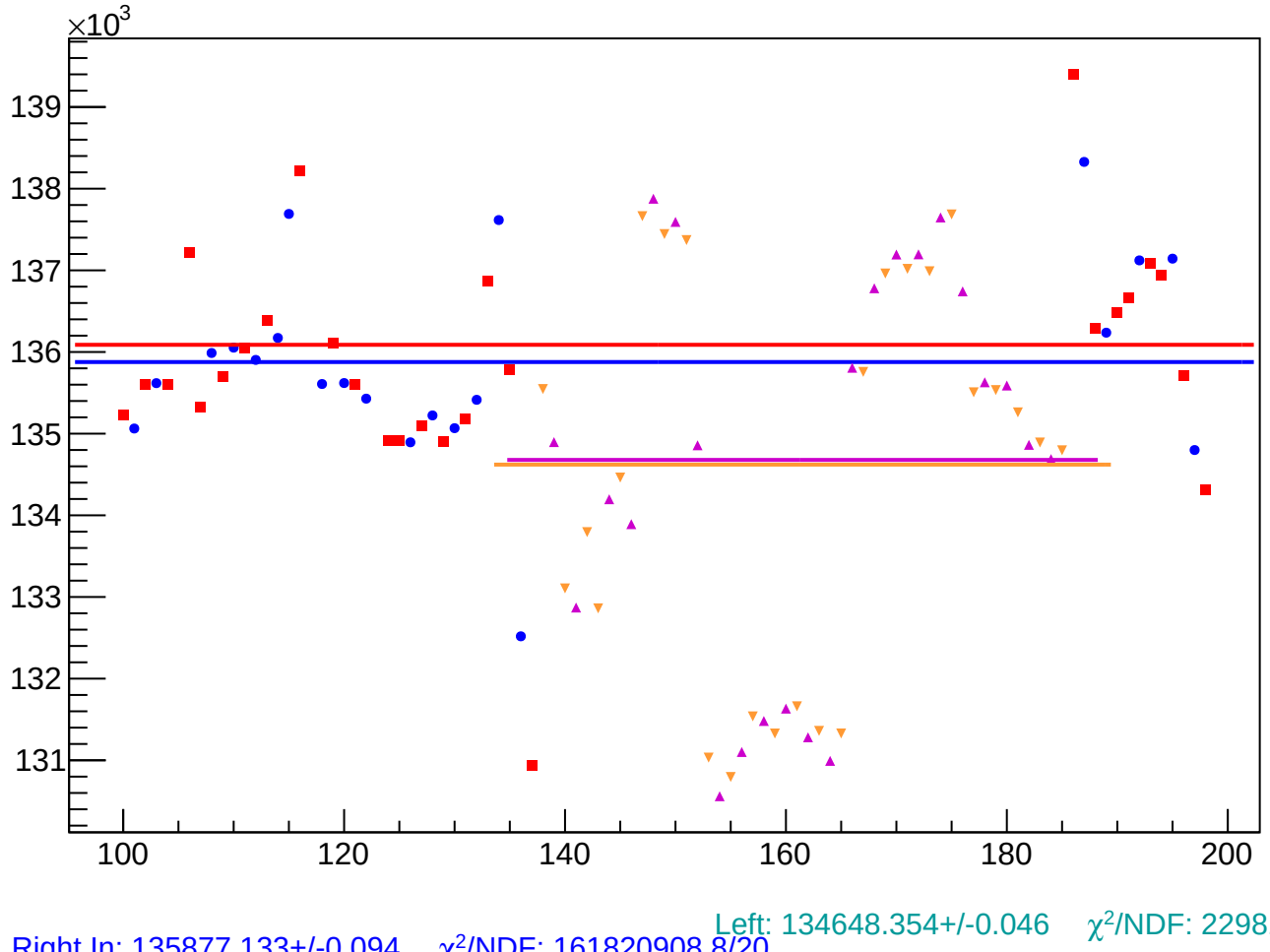
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 284.154+/-0.044 χ^2/NDF: 3942273.3/47

In: 292.130+/-0.040 χ^2/NDF:2790513.4/43

Out: 297.972+/-0.039 χ^2/NDF:3096098.4/51

All: 295.153+/-0.028 χ^2/NDF: 5897602.4/95



Right In: 135877.133+/-0.094 χ^2/NDF: 161820908.8/20

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 136088.082+/-0.081 χ^2/NDF: 194014485.8/26

Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

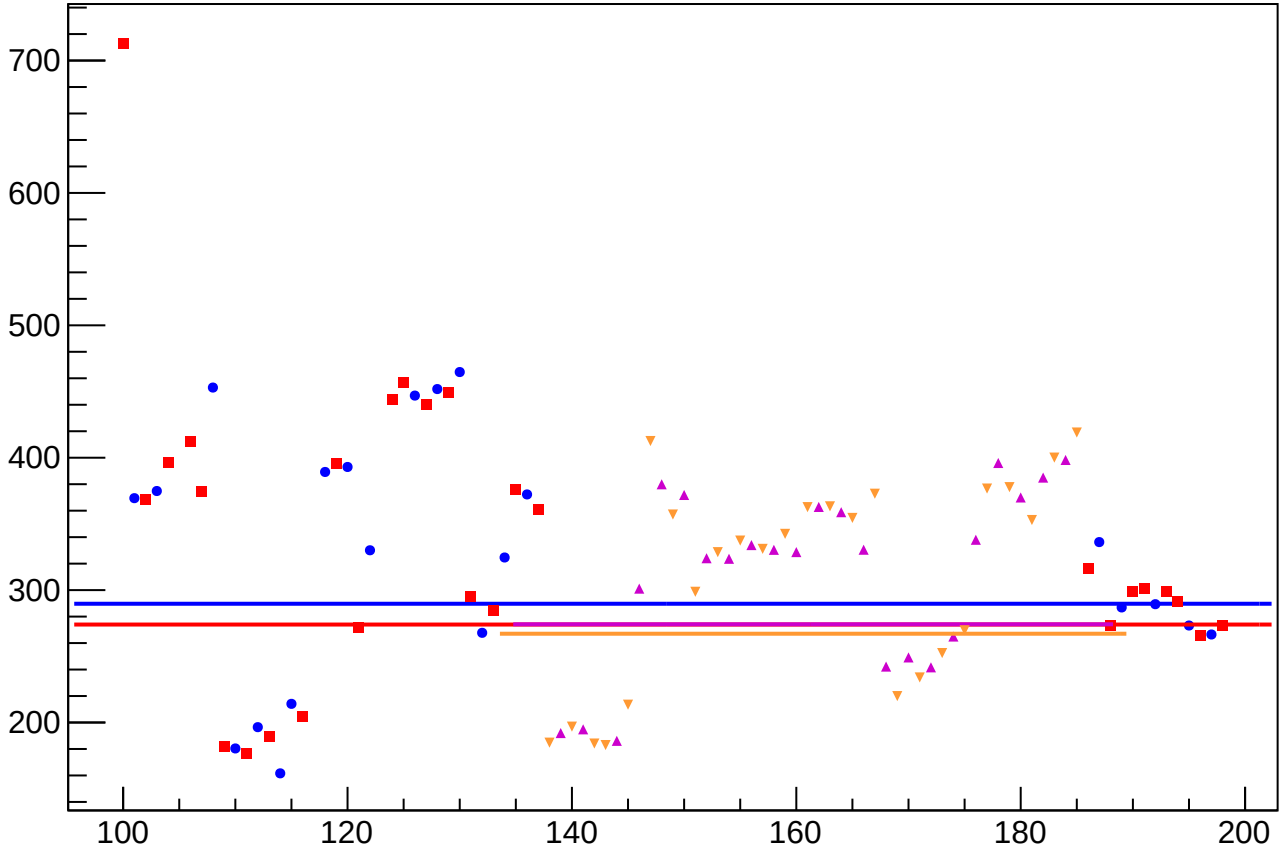
Right: 135997.983+/-0.061 χ^2/NDF: 358751179.9/4

In: 135084.303+/-0.054 χ^2/NDF:1366808946.1/43

Out: 135184.246+/-0.050 χ^2/NDF:1598931420.7/5

All: 135138.459+/-0.037 χ^2/NDF: 29675689

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 289.695+/-0.066 χ^2/NDF: 1473372.0/20

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

Right Out: 273.992+/-0.057 χ^2/NDF: 1728720.9/26

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

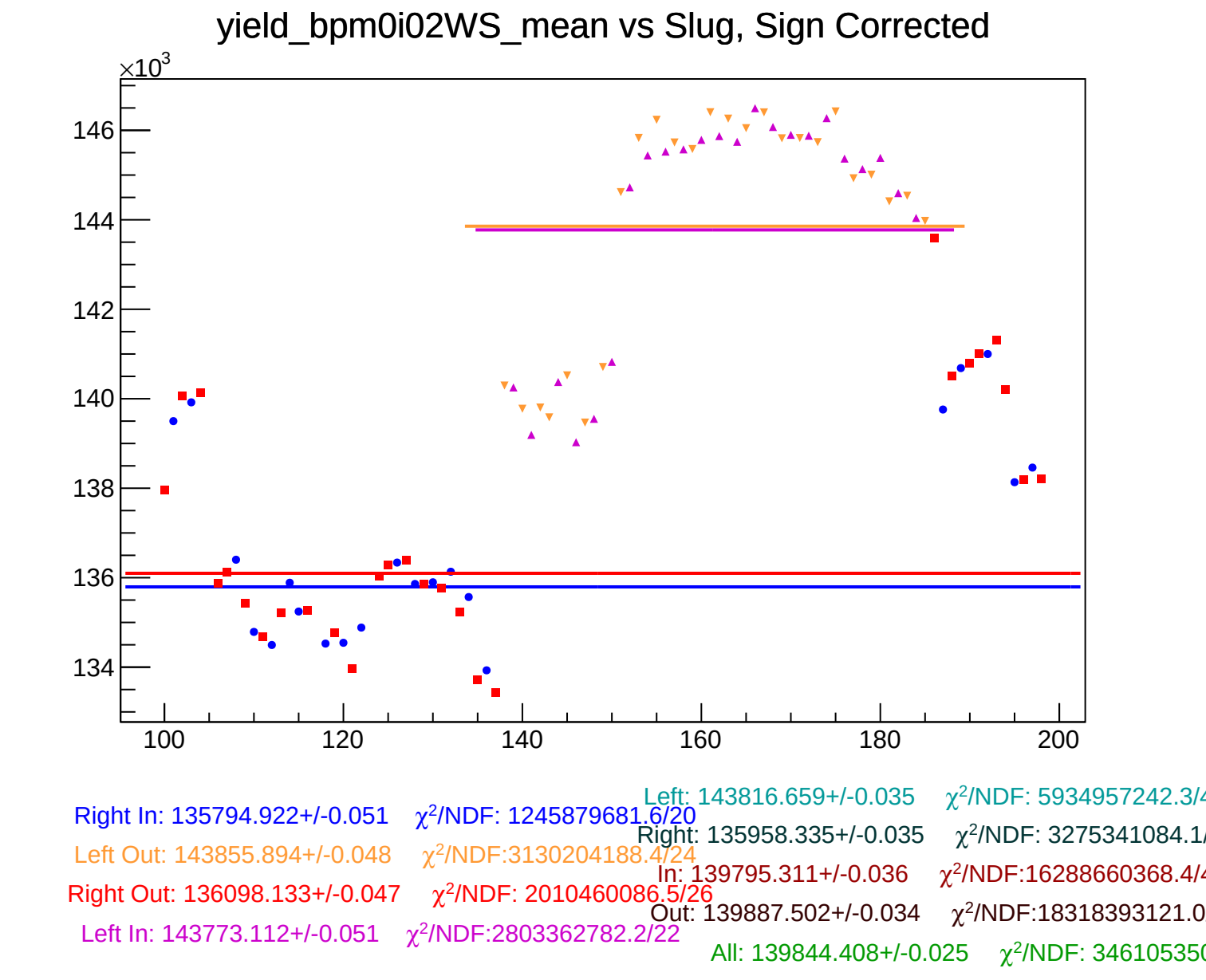
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 280.699+/-0.043 χ^2/NDF: 3234406.8/47

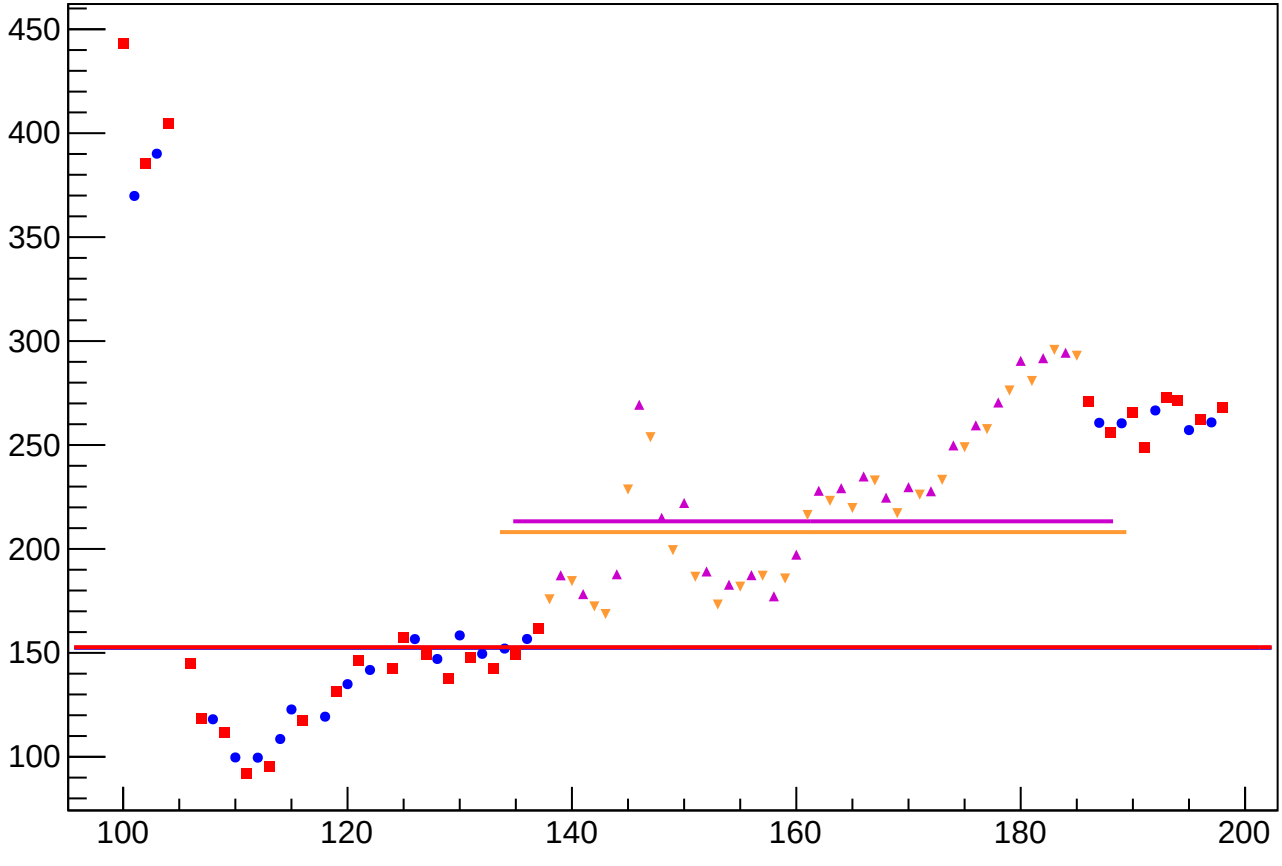
In: 279.431+/-0.038 χ^2/NDF:3746560.8/43

Out: 269.717+/-0.035 χ^2/NDF:4581128.2/51

All: 274.167+/-0.026 χ^2/NDF: 8362233.6/95


yield_bpm0i02WS_mean vs Slug, Sign Corrected
×10^3
146
144
142
140
138
136
134
100
120
140
160
180
200
Right In: 135794.922+/-0.051 χ²/NDF: 1245879681.6/20
Left Out: 143855.894+/-0.048 χ²/NDF:3130204188.4/24
Right Out: 136098.133+/-0.047 χ²/NDF: 2010460086.5/26
Left In: 143773.112+/-0.051 χ²/NDF:2803362782.2/22
Left: 143816.659+/-0.035 χ²/NDF: 5934957242.3/4
Right: 135958.335+/-0.035 χ²/NDF: 3275341084.1/
In: 139795.311+/-0.036 χ²/NDF:16288660368.4/4
Out: 139887.502+/-0.034 χ²/NDF:18318393121.0
All: 139844.408+/-0.025 χ²/NDF: 34610535

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 152.449+/-0.036 χ^2/NDF: 2736017.4/20

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

Right Out: 152.735+/-0.033 χ^2/NDF: 3798129.6/26

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

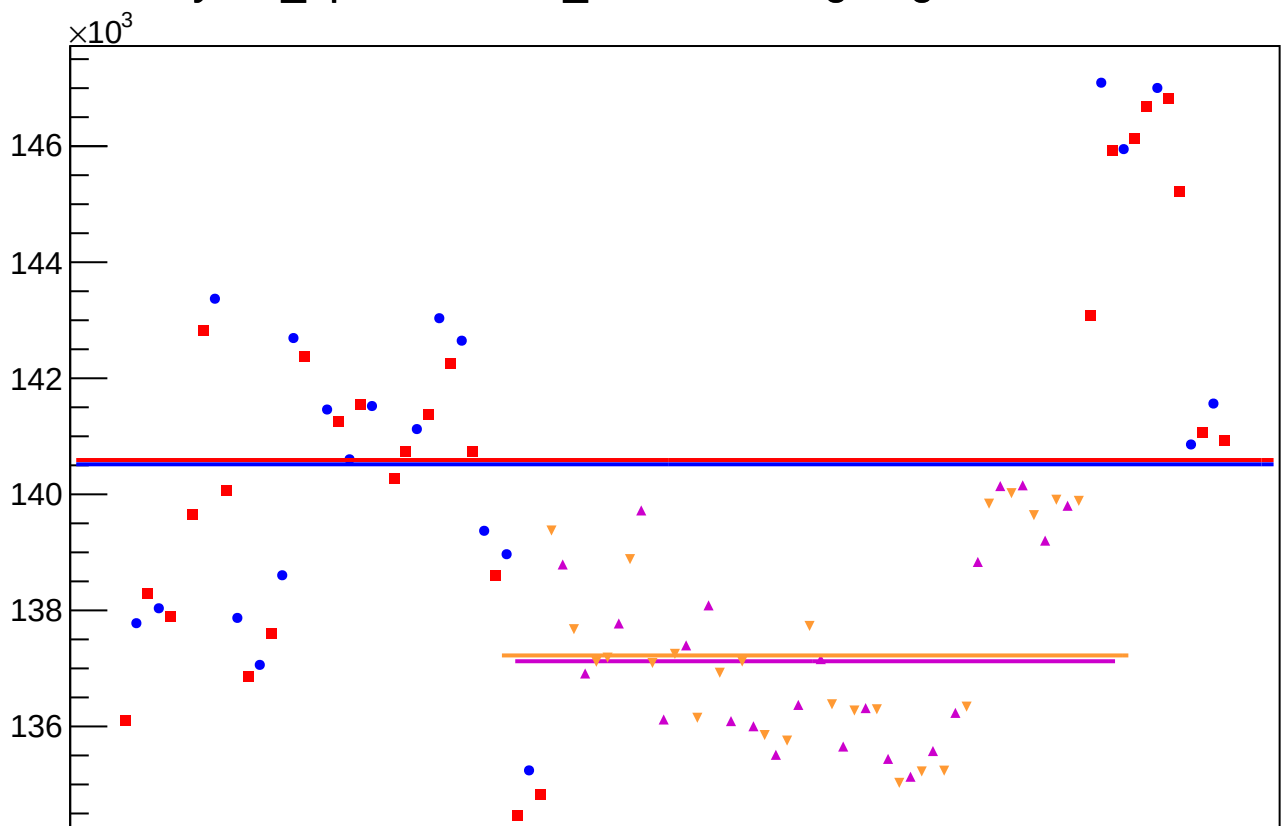
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 152.603+/-0.025 χ^2/NDF: 6534180.9/47

In: 182.954+/-0.025 χ^2/NDF:5025010.1/43

Out: 179.779+/-0.024 χ^2/NDF:6133521.8/51

All: 181.263+/-0.017 χ^2/NDF: 11166793.2/95



Right In: 140517.519+/-0.057 χ^2/NDF: 2804705657.9/20

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140591.421+/-0.053 χ^2/NDF: 3238939219.0/26

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

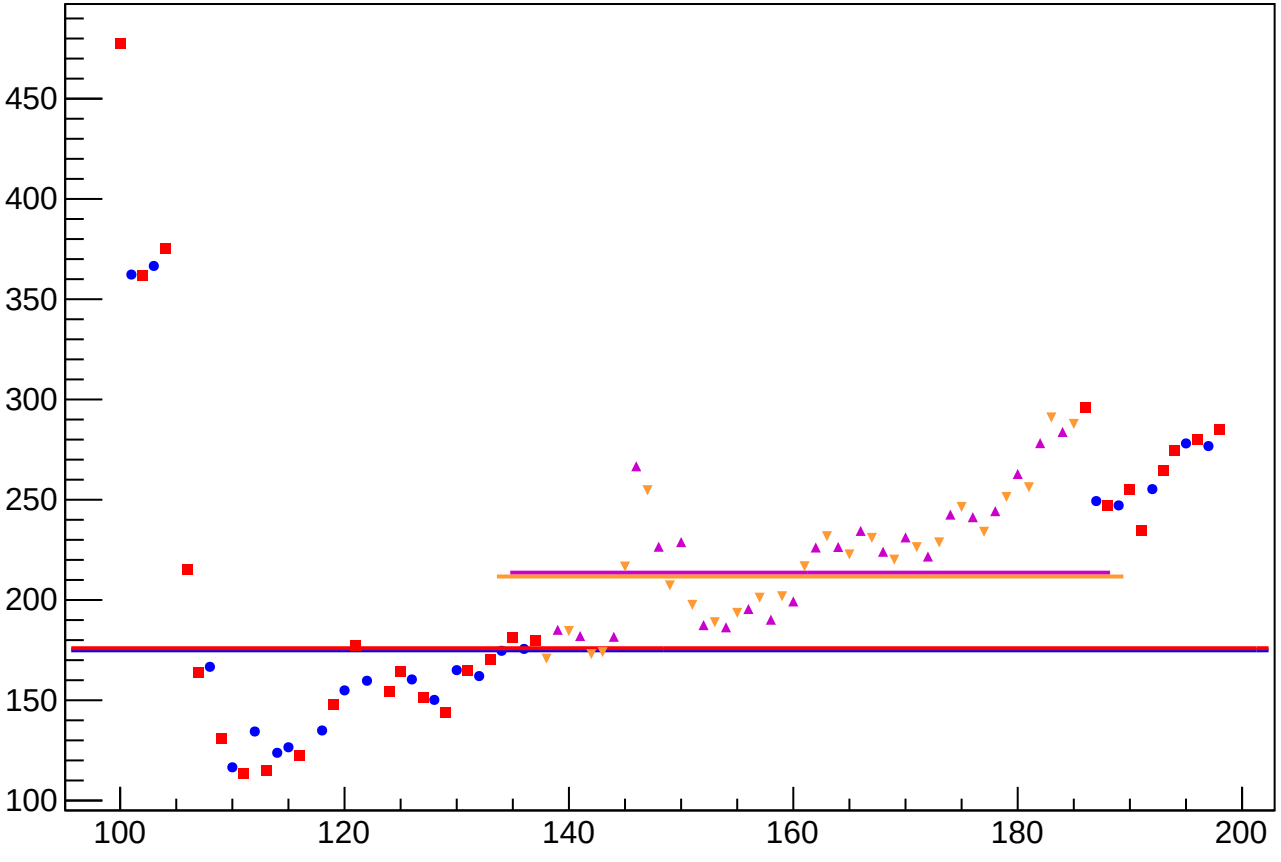
Right: 140557.267+/-0.039 χ^2/NDF: 6044537029.4/

In: 138618.352+/-0.038 χ^2/NDF:5622984359.6/43

Out: 138771.303+/-0.036 χ^2/NDF:6300161483.9/5

All: 138698.999+/-0.026 χ^2/NDF: 11931651

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 174.915+/-0.041 χ^2/NDF: 1941053.6/20

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

Right Out: 175.946+/-0.038 χ^2/NDF: 2807664.1/26

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

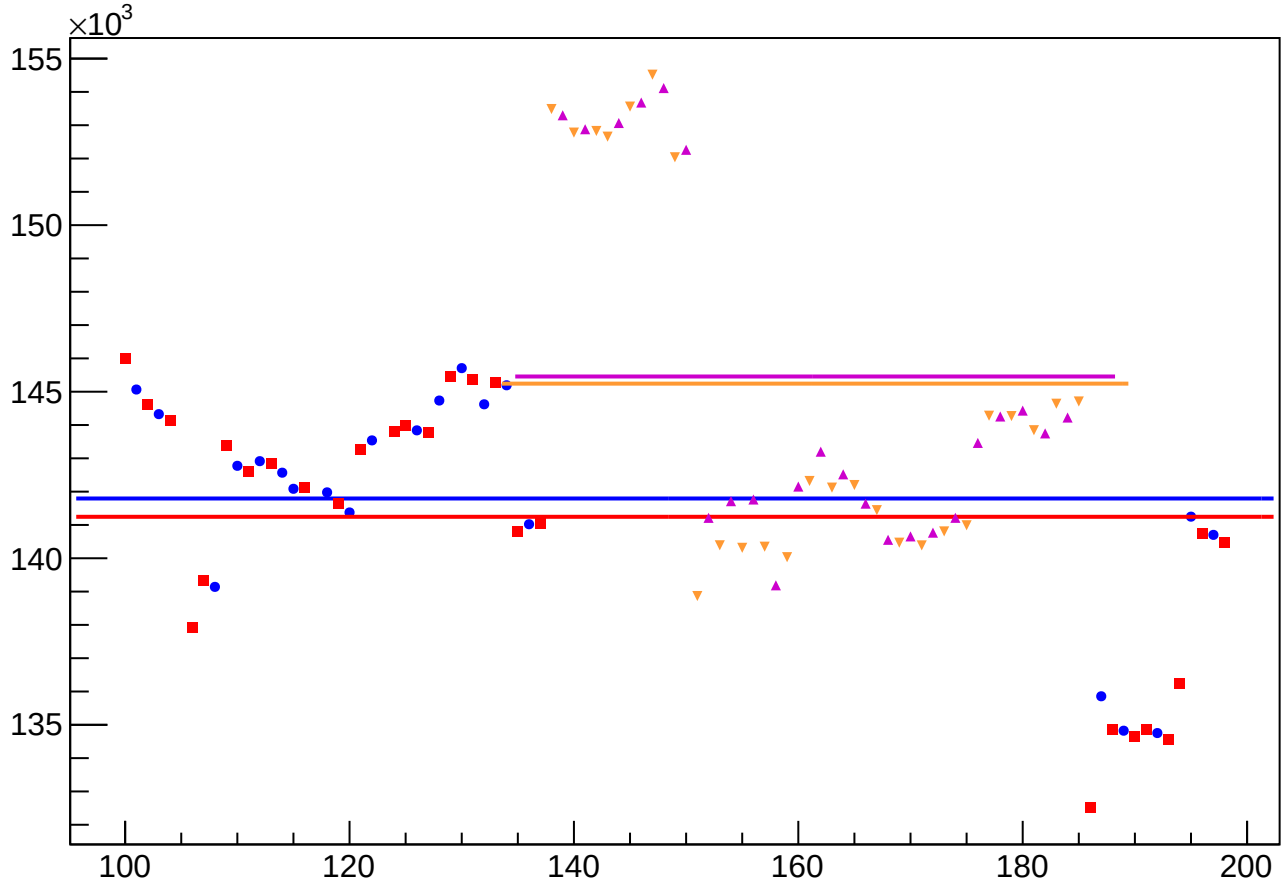
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 175.470+/-0.028 χ^2/NDF: 4749065.5/47

In: 196.585+/-0.027 χ^2/NDF:3072132.9/43

Out: 195.277+/-0.025 χ^2/NDF:3972026.8/51

All: 195.895+/-0.019 χ^2/NDF: 7045403.3/95



Right In: 141794.339+/-0.059 χ^2/NDF: 2683129667.9/20

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141244.826+/-0.053 χ^2/NDF: 4369117827.0/26

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

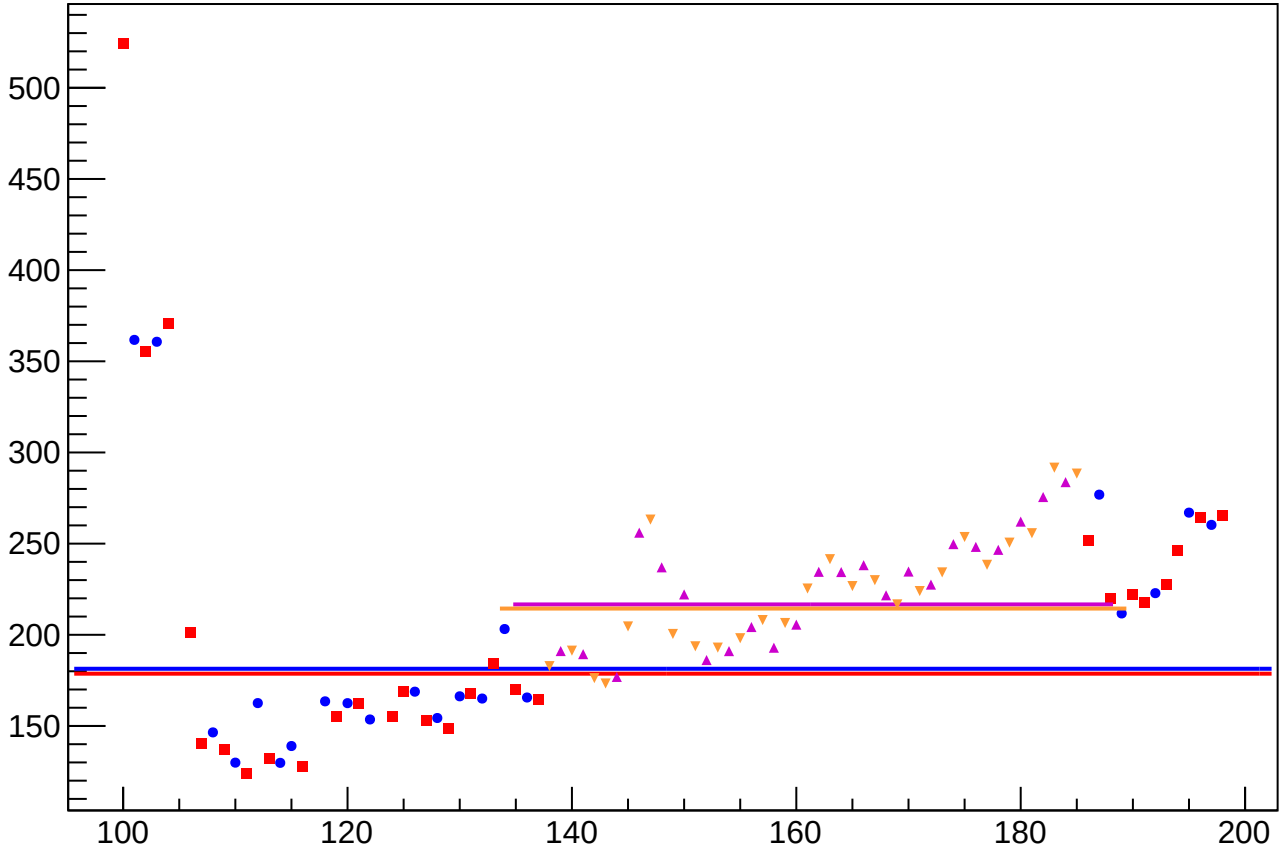
Right: 141491.883+/-0.039 χ^2/NDF: 7100439290.8/

In: 143861.830+/-0.039 χ^2/NDF:15951667166.3/4

Out: 143377.930+/-0.036 χ^2/NDF:20429021617.4

All: 143603.726+/-0.026 χ^2/NDF: 364638495

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 181.371+/-0.042 χ^2/NDF: 1428576.6/20

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

Right Out: 178.675+/-0.038 χ^2/NDF: 1982455.2/26

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

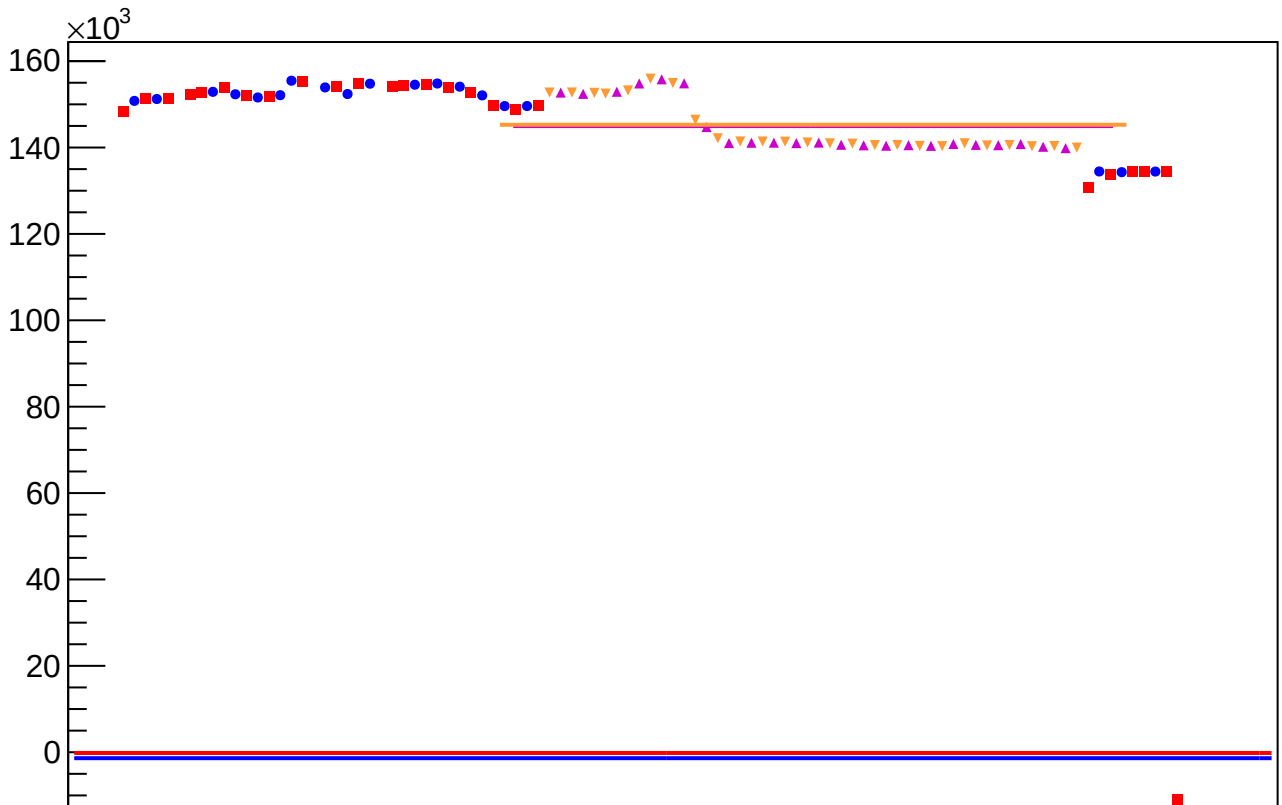
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 179.887+/-0.028 χ^2/NDF: 3413351.8/47

In: 201.289+/-0.027 χ^2/NDF:2423285.9/43

Out: 197.734+/-0.026 χ^2/NDF:3109091.6/51

All: 199.393+/-0.019 χ^2/NDF: 5541358.0/95



Right In: -1379.861+/-0.018 χ^2/NDF: 5530392965395.7/20

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -169.812+/-0.017 χ^2/NDF: 6697584392431.8/26

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

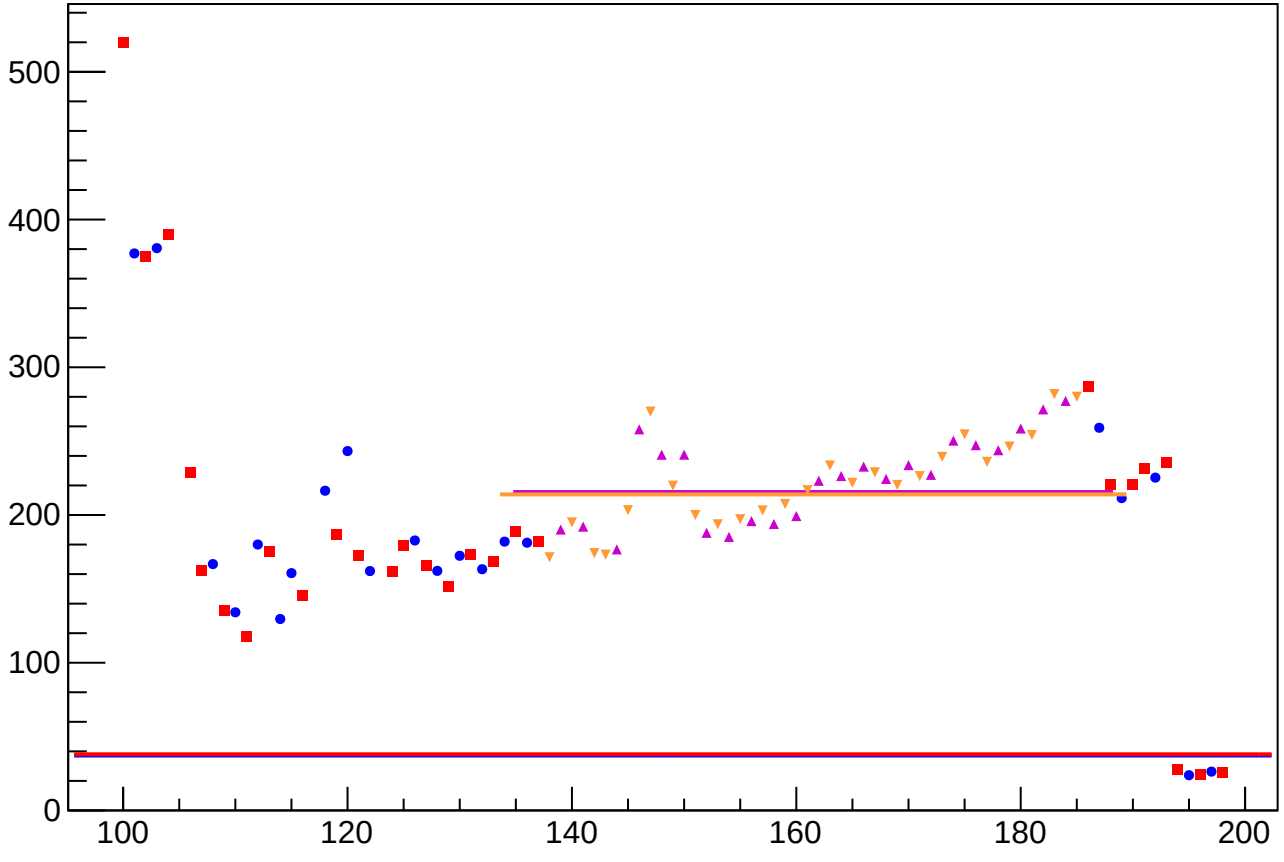
Right: -730.829+/-0.013 χ^2/NDF: 12230297765478

In: 15352.045+/-0.017 χ^2/NDF:12778284511310.

Out: 15406.532+/-0.016 χ^2/NDF:14454739834526

All: 15381.160+/-0.012 χ^2/NDF: 272330296

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 37.200+/-0.013 χ^2/NDF: 11906908.4/20

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 38.011+/-0.012 χ^2/NDF: 13485719.8/26

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

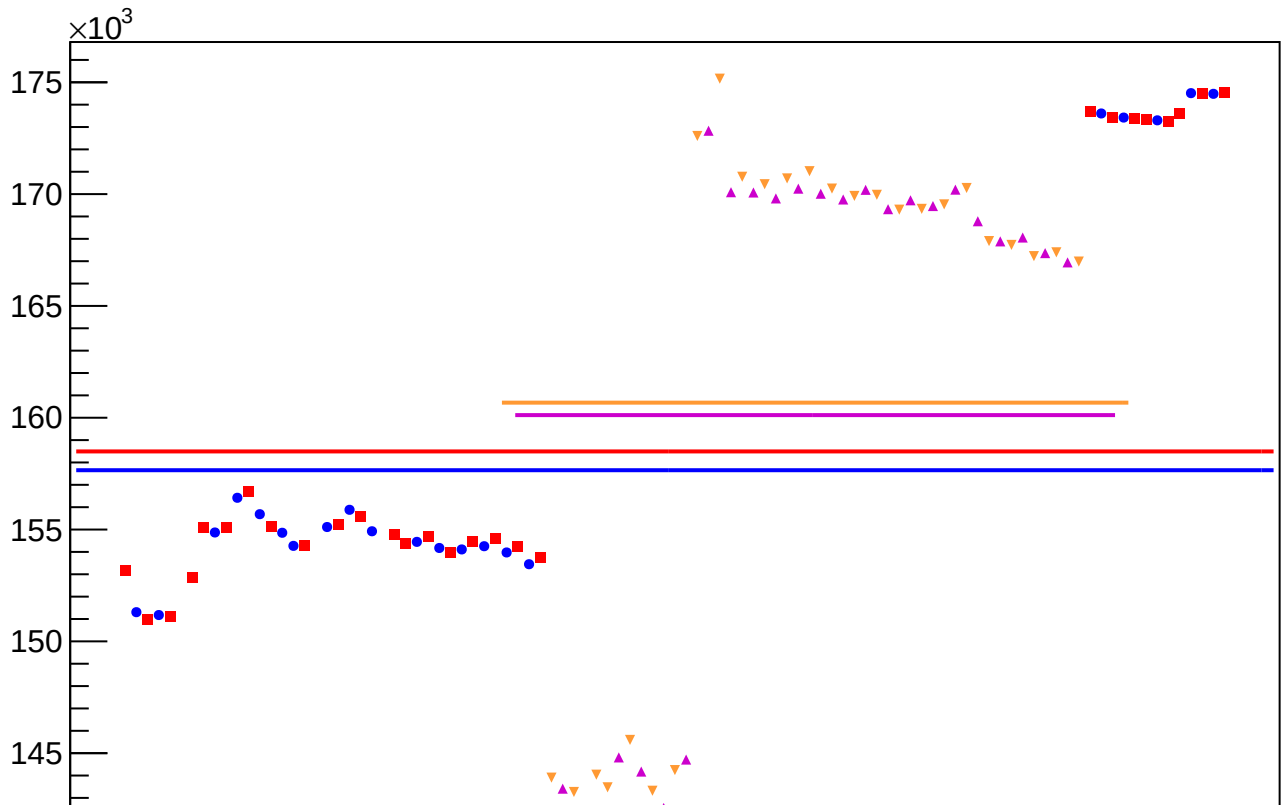
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 37.635+/-0.009 χ^2/NDF: 25394713.7/47

In: 57.589+/-0.012 χ^2/NDF:33994749.3/43

Out: 56.854+/-0.011 χ^2/NDF:36799918.8/51

All: 57.196+/-0.008 χ^2/NDF: 70796597.1/95



Right In: 157653.226+/-0.060 χ^2/NDF: 13476483894.6/20

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 158493.366+/-0.055 χ^2/NDF: 19128487972.6/26

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

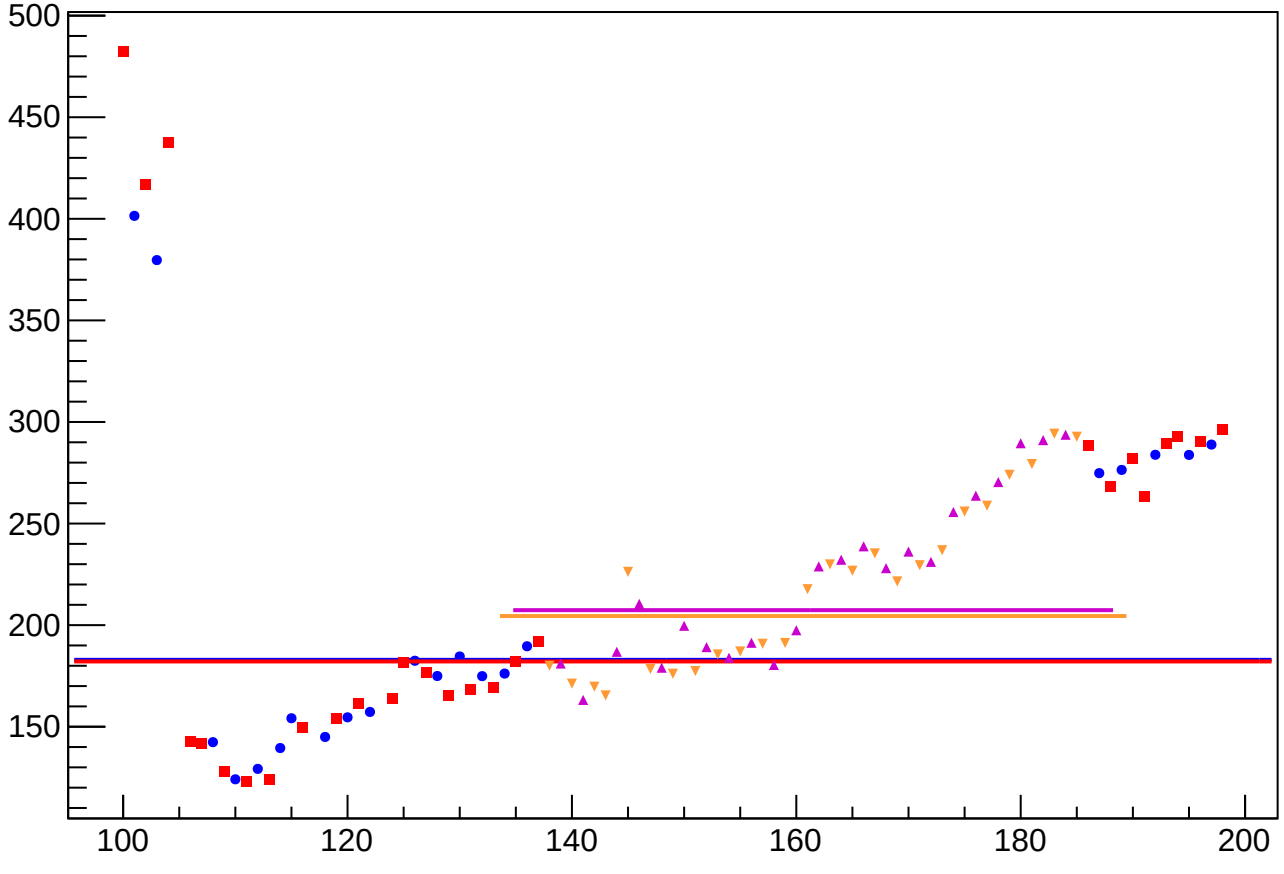
Right: 158111.567+/-0.040 χ^2/NDF: 32711820964.3

In: 159122.574+/-0.038 χ^2/NDF:81034376483.8/4

Out: 159741.237+/-0.036 χ^2/NDF:94190393760.9

All: 159451.125+/-0.026 χ^2/NDF: 17536447

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 182.914+/-0.042 χ^2/NDF: 2077465.6/20

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

Right Out: 182.126+/-0.039 χ^2/NDF: 2968856.3/26

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

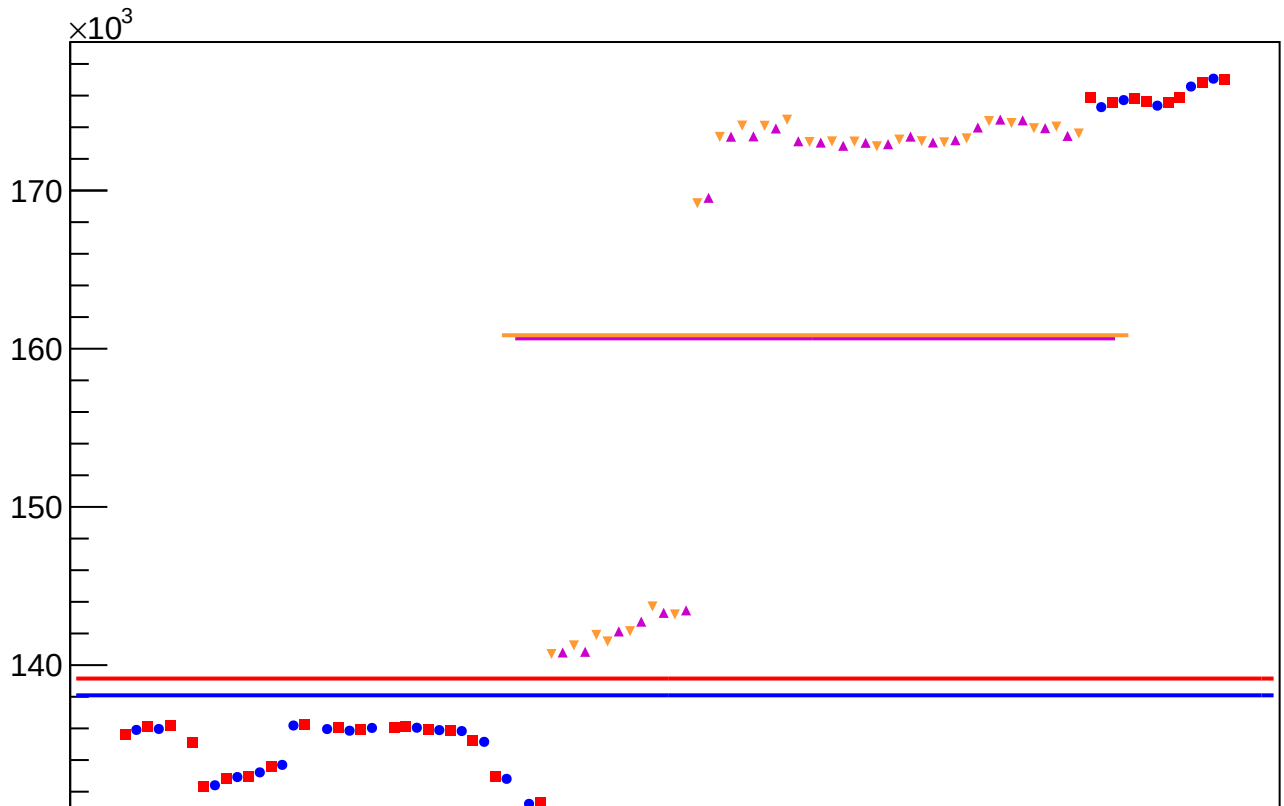
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 182.484+/-0.029 χ^2/NDF: 5046509.9/47

In: 197.495+/-0.027 χ^2/NDF:3231998.1/43

Out: 194.911+/-0.025 χ^2/NDF:4232429.7/51

All: 196.123+/-0.018 χ^2/NDF: 7469303.1/95



Right In: 138090.929+/-0.048 χ^2/NDF: 63008910433.2/20

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 139151.107+/-0.045 χ^2/NDF: 91417437621.4/26

Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

Left: 160756.959+/-0.035 χ^2/NDF: 189360447861.

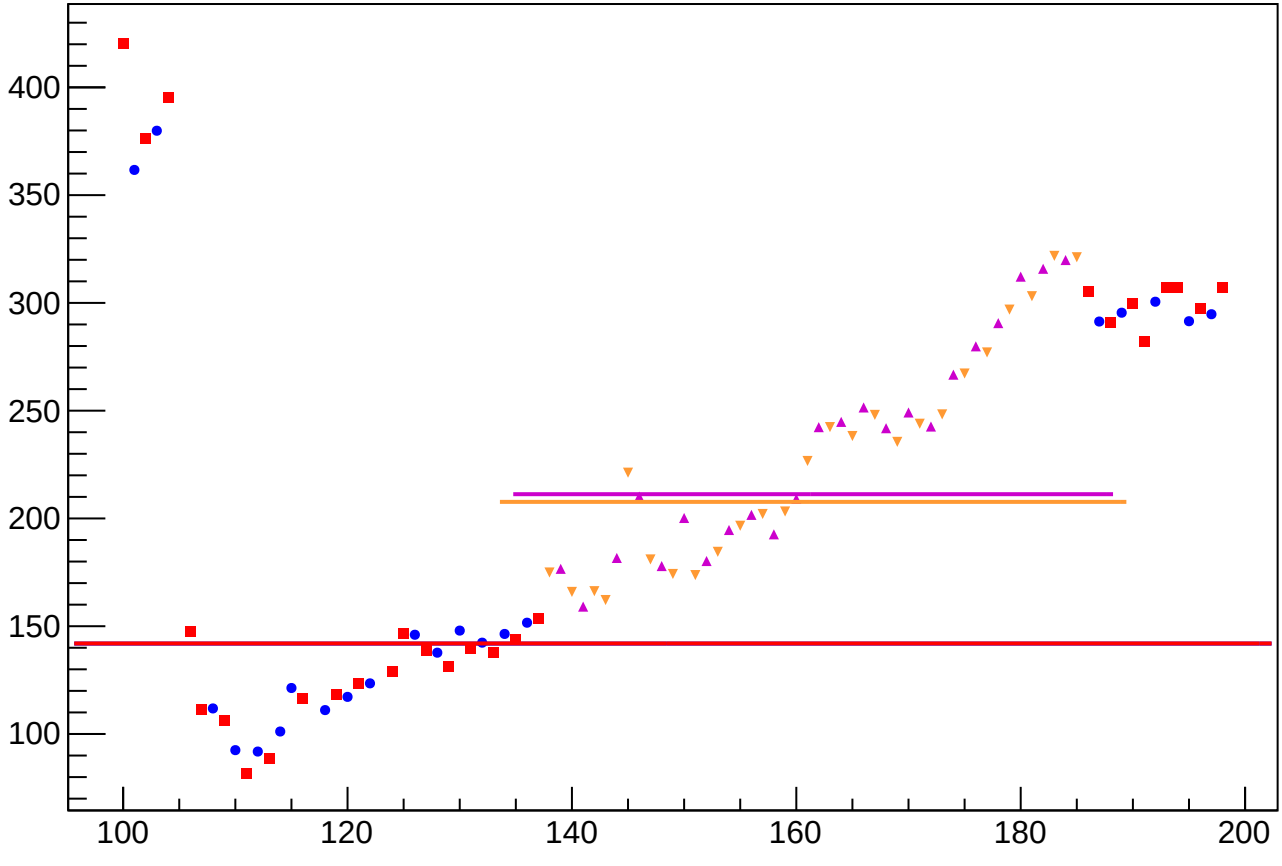
Right: 138659.612+/-0.033 χ^2/NDF: 154683132435

In: 148882.738+/-0.035 χ^2/NDF:256867353384.7

Out: 149216.870+/-0.033 χ^2/NDF:298261098235.

All: 149059.698+/-0.024 χ^2/NDF: 555176722

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 141.933+/-0.034 χ^2/NDF: 3489566.4/20

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

Right Out: 142.002+/-0.032 χ^2/NDF: 4965114.0/26

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

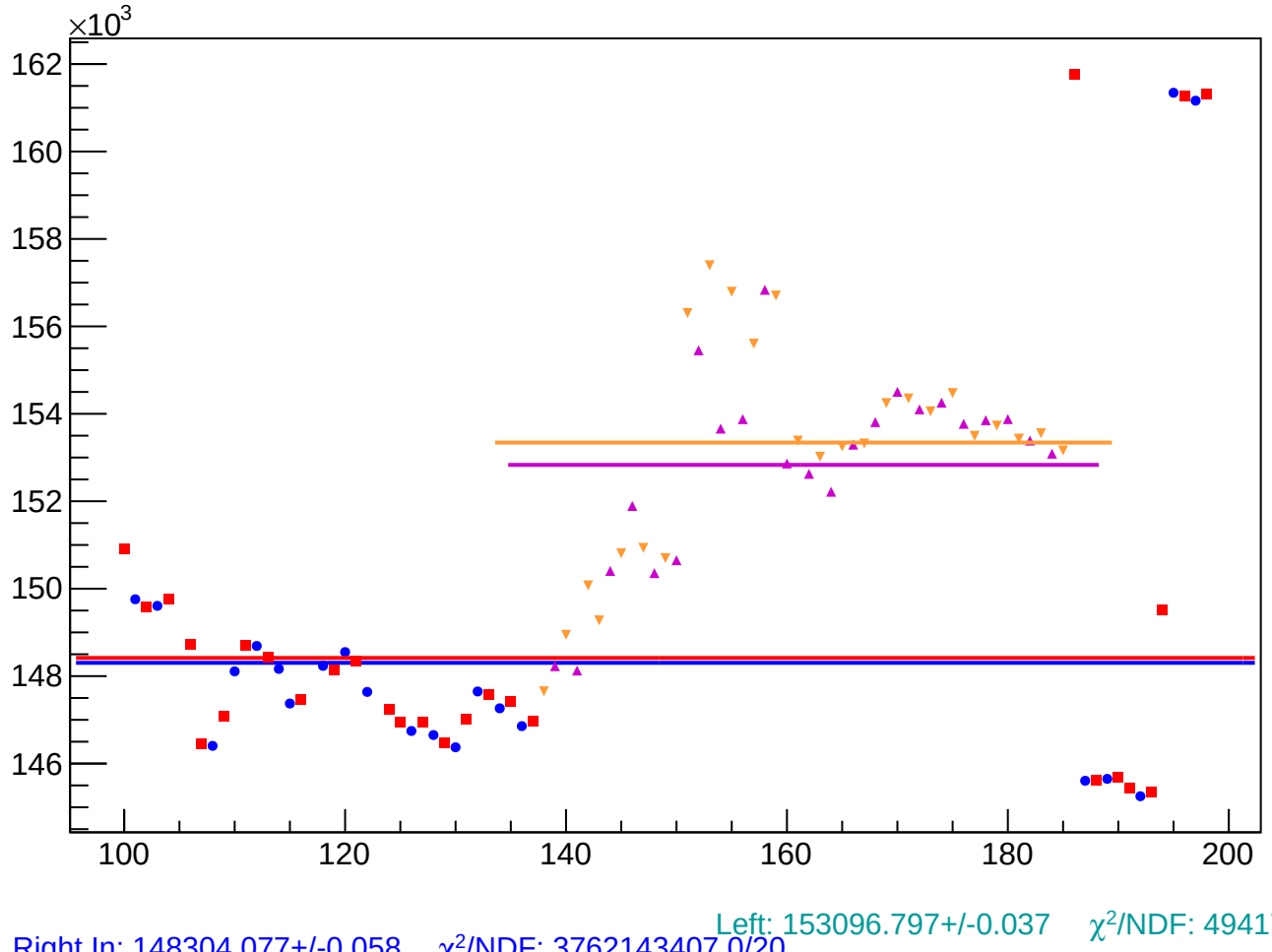
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 141.970+/-0.023 χ^2/NDF: 8454682.5/47

In: 175.089+/-0.025 χ^2/NDF:6753107.9/43

Out: 172.471+/-0.023 χ^2/NDF:8438493.6/51

All: 173.703+/-0.017 χ^2/NDF: 15197526.5/95



Right In: 148304.077+/-0.058 χ^2/NDF: 3762143407.0/20

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 148415.750+/-0.053 χ^2/NDF: 4300737464.3/26

Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

Left: 153096.797+/-0.037 χ^2/NDF: 4941719474.7/4

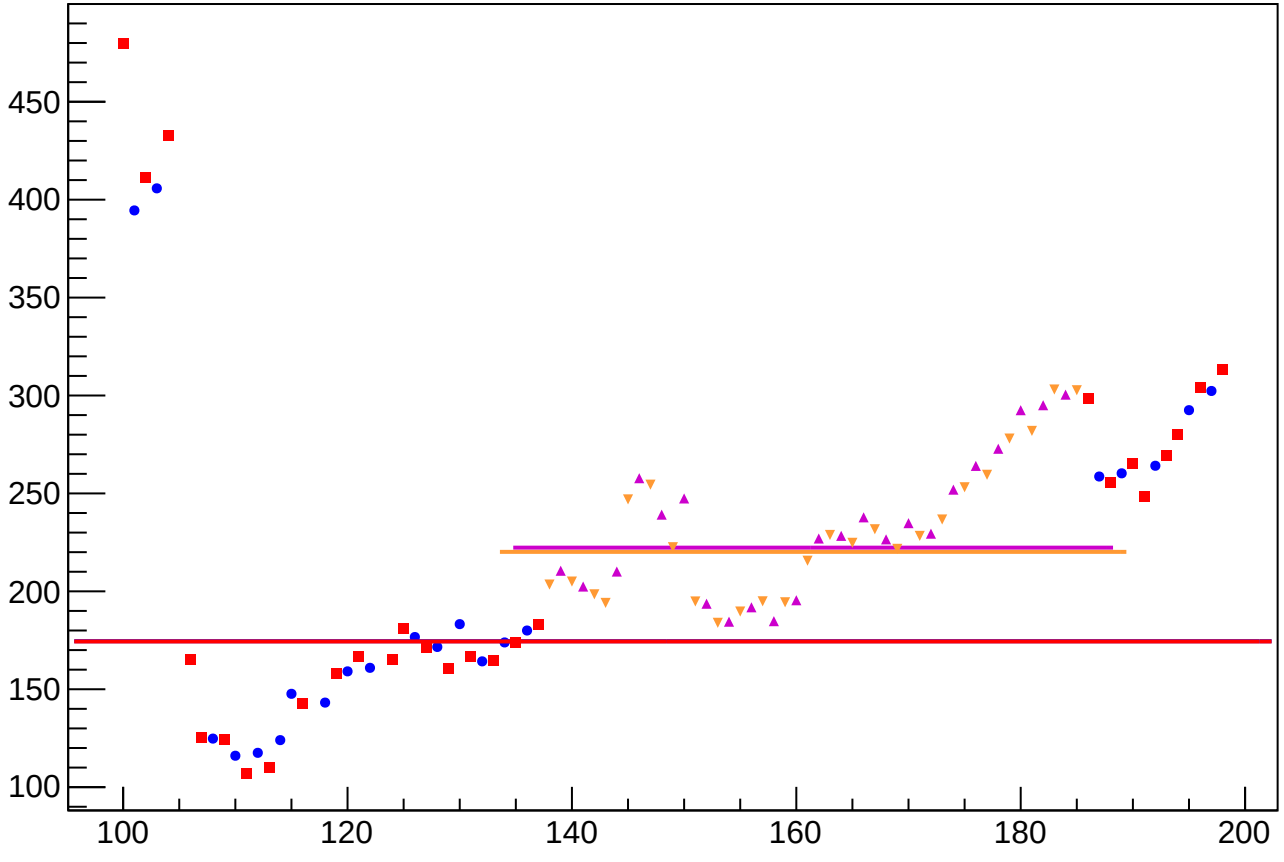
Right: 148364.631+/-0.039 χ^2/NDF: 8064909129.1/

In: 150769.702+/-0.039 χ^2/NDF:9024659686.0/43

Out: 150985.911+/-0.037 χ^2/NDF:11778317062.9

All: 150884.298+/-0.027 χ^2/NDF: 20819295

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 174.528+/-0.041 χ^2/NDF: 2382202.1/20

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

Right Out: 174.408+/-0.038 χ^2/NDF: 3326549.5/26

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

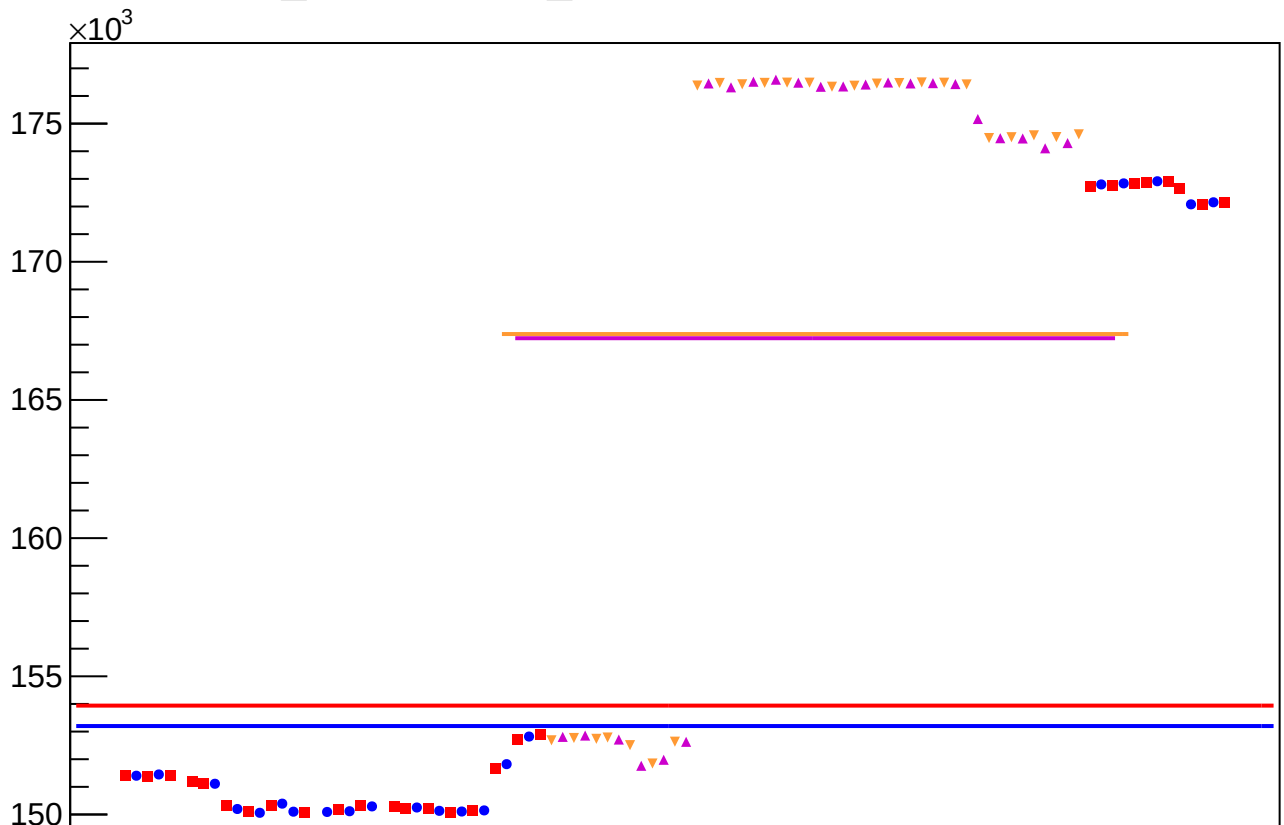
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 174.463+/-0.028 χ^2/NDF: 5708756.3/47

In: 200.548+/-0.028 χ^2/NDF:3825508.8/43

Out: 198.274+/-0.026 χ^2/NDF:4787959.4/51

All: 199.342+/-0.019 χ^2/NDF: 8617078.8/95



Right In: 153200.291+/-0.051 χ^2/NDF: 19591718476.5/20

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 153939.722+/-0.047 χ^2/NDF: 28815610128.8/26

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

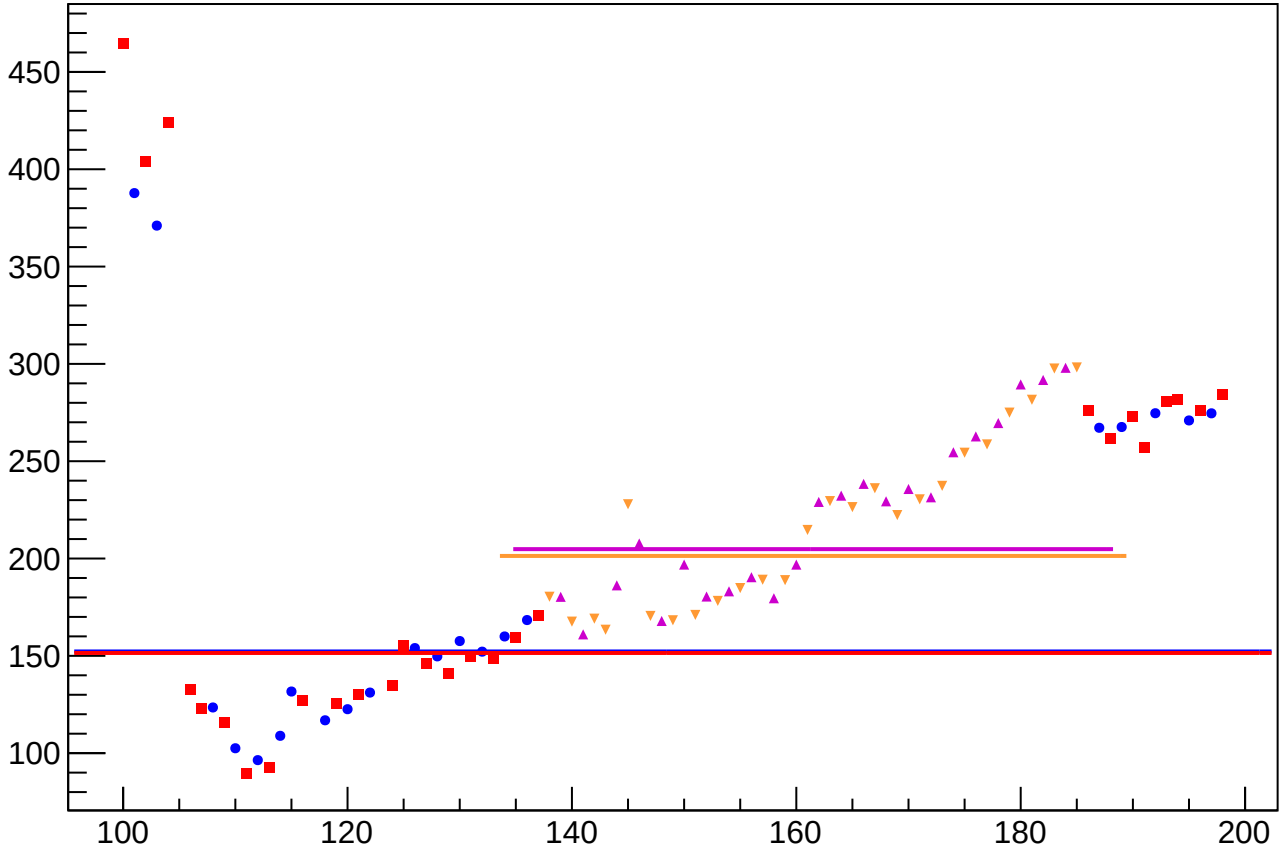
Right: 153602.502+/-0.035 χ^2/NDF: 48520653930.

In: 160547.709+/-0.035 χ^2/NDF:113981598470.0

Out: 160687.720+/-0.033 χ^2/NDF:129654300147.

All: 160622.320+/-0.024 χ^2/NDF: 243644252

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 152.246+/-0.036 χ^2/NDF: 2910736.5/20

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 151.481+/-0.033 χ^2/NDF: 4130271.7/26

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

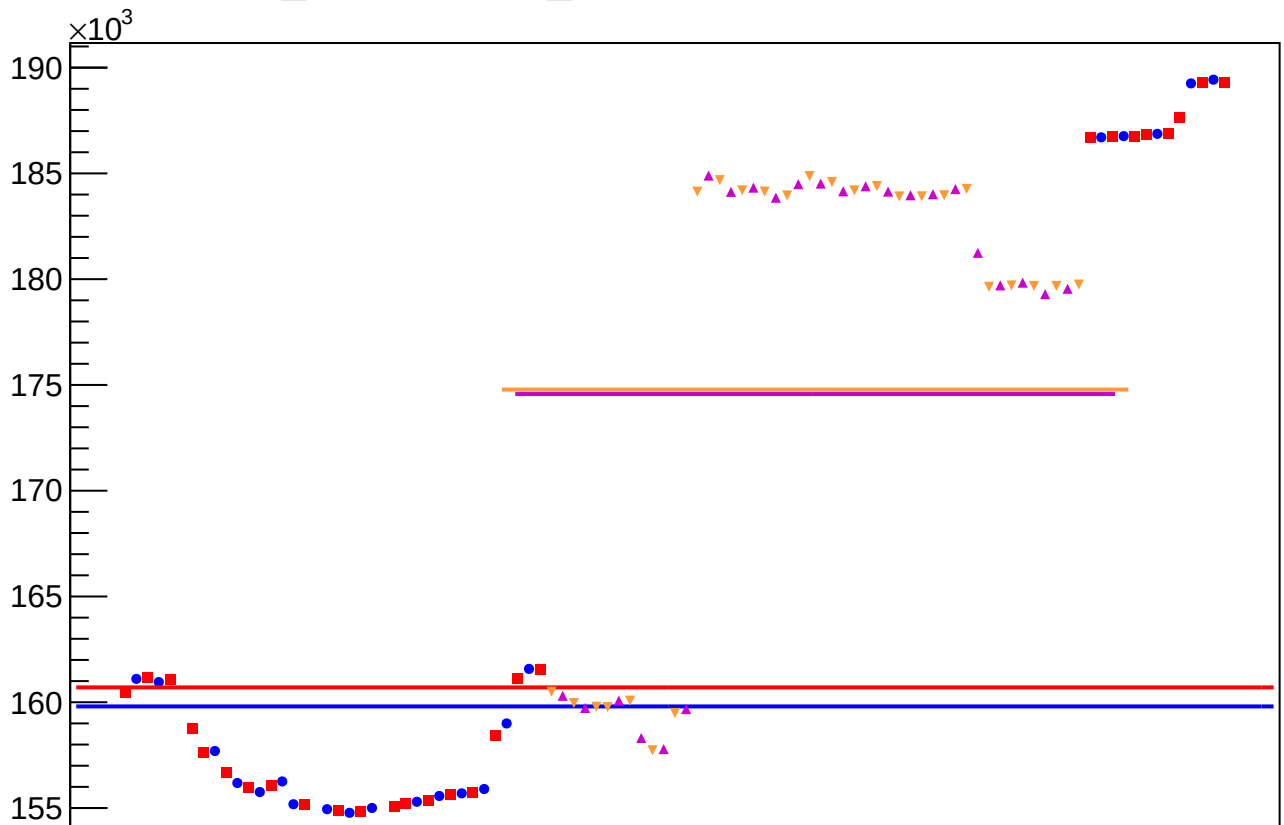
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 151.830+/-0.024 χ^2/NDF: 7041250.6/47

In: 179.774+/-0.025 χ^2/NDF:5066921.0/43

Out: 176.498+/-0.023 χ^2/NDF:6494417.3/51

All: 178.028+/-0.017 χ^2/NDF: 11570486.3/95



Right In: 159802.925+/-0.054 χ^2/NDF: 33898612159.6/20

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 160702.539+/-0.049 χ^2/NDF: 48089899585.4/26

Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

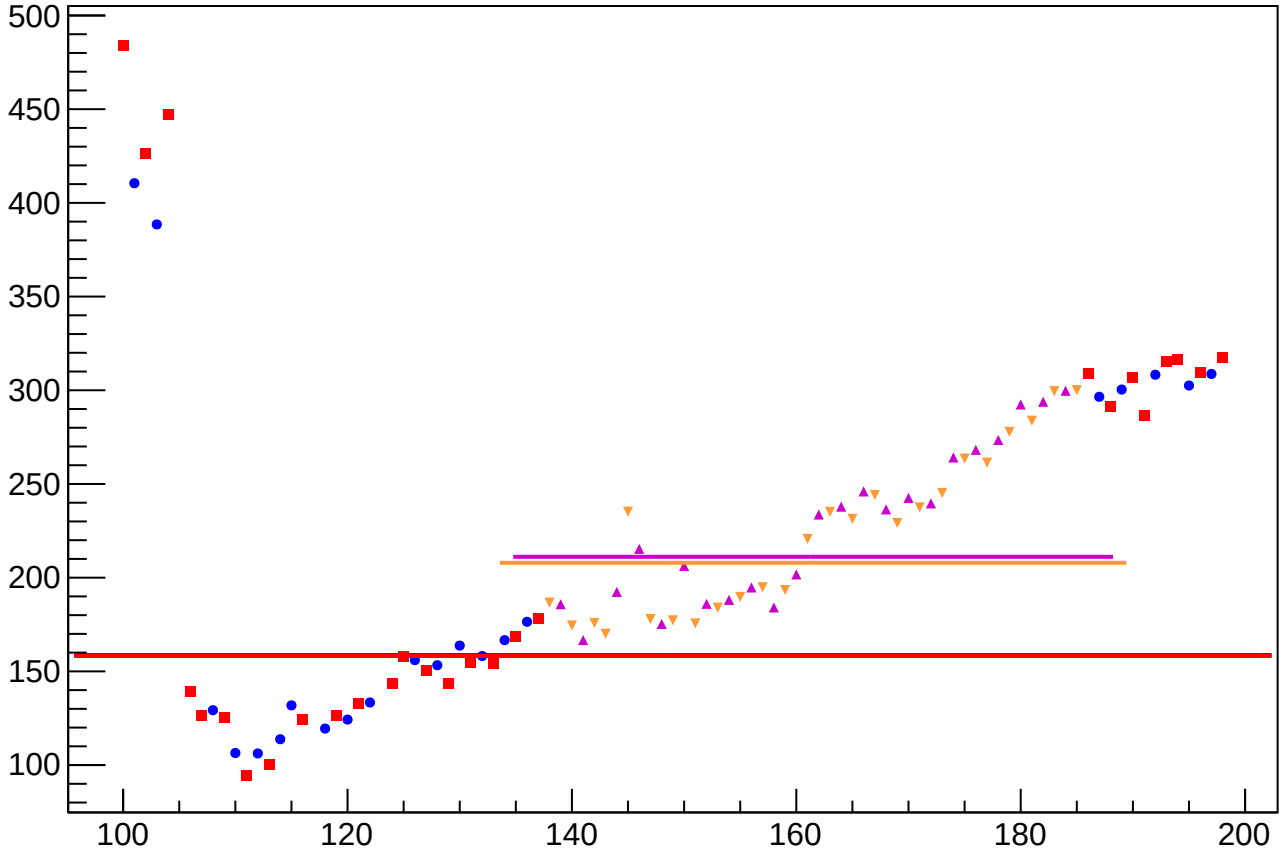
Right: 160290.676+/-0.036 χ^2/NDF: 82140431945.

In: 167669.409+/-0.037 χ^2/NDF:128875903052.7

Out: 167911.697+/-0.034 χ^2/NDF:147836242388.

All: 167798.171+/-0.025 χ^2/NDF: 27673526

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 158.667+/-0.038 χ^2/NDF: 3135008.4/20

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 158.212+/-0.035 χ^2/NDF: 4463408.3/26

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

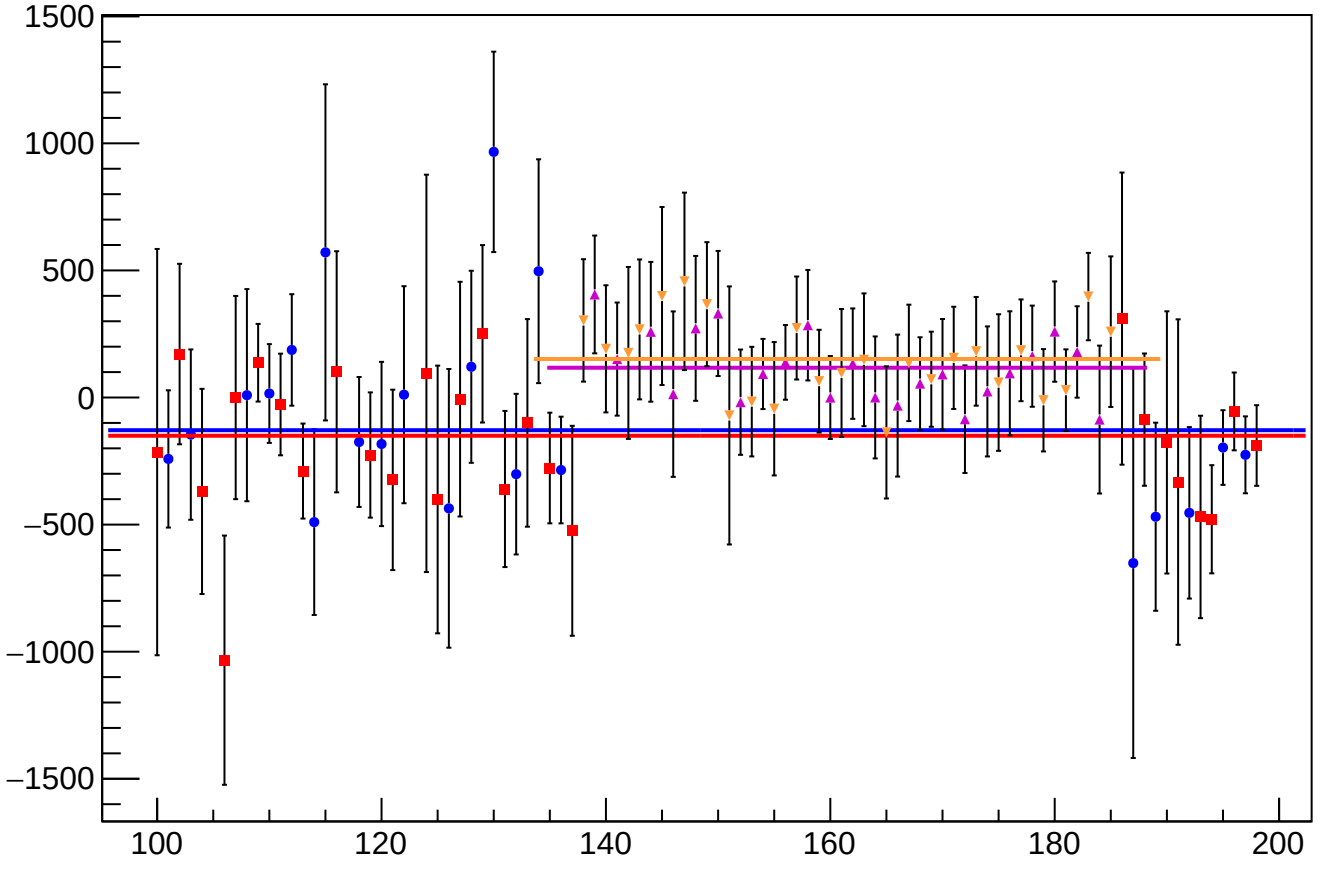
Right: 158.421+/-0.026 χ^2/NDF: 7598494.4/47

In: 186.616+/-0.026 χ^2/NDF:5144118.8/43

Out: 183.677+/-0.024 χ^2/NDF:6633937.9/51

All: 185.054+/-0.018 χ^2/NDF: 11784860.8/95

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -128.662+/-59.944 χ^2/NDF: 19.4/20

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -150.377+/-53.612 χ^2/NDF: 17.2/26

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

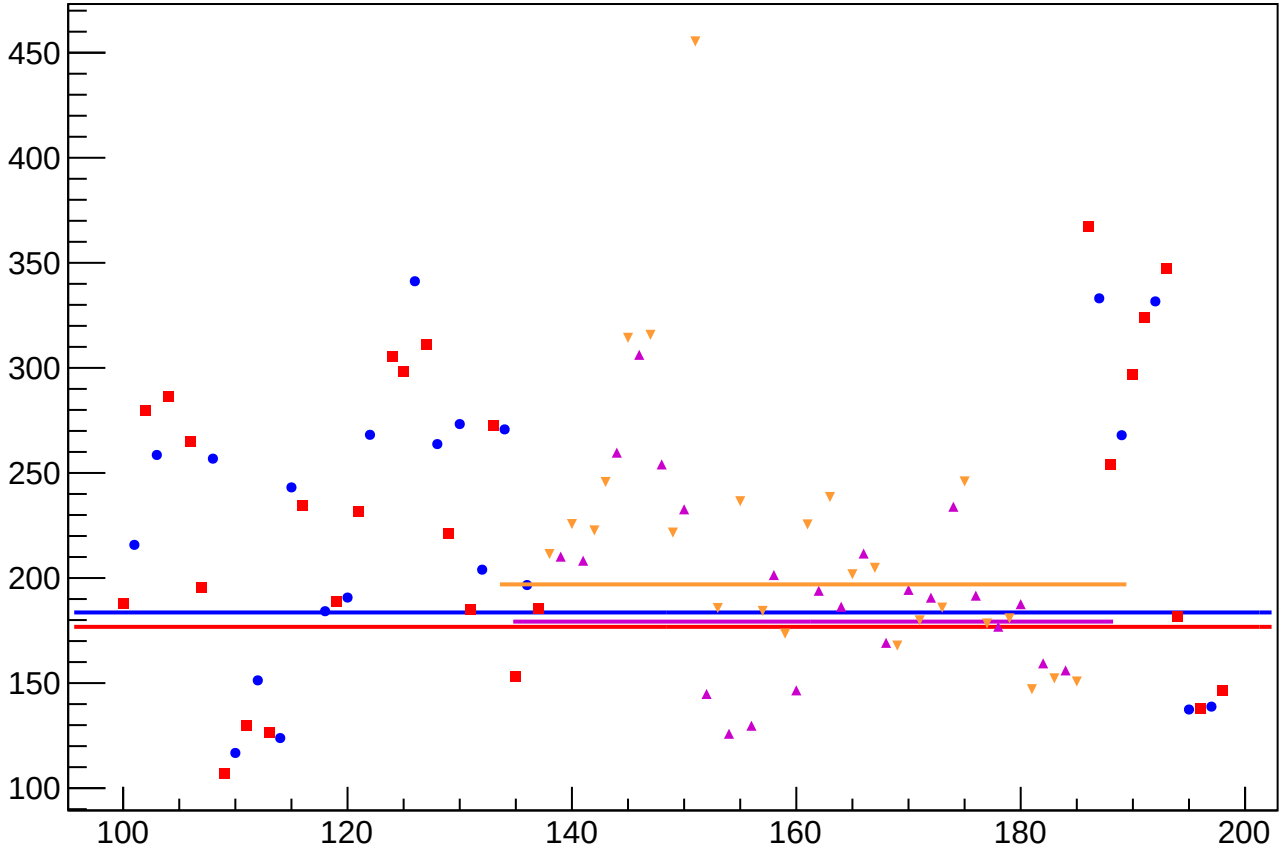
Right: -140.727+/-39.961 χ^2/NDF: 36.7/47

In: 31.656+/-35.354 χ^2/NDF:37.8/43

Out: 22.214+/-35.093 χ^2/NDF:45.0/51

All: 26.900+/-24.906 χ^2/NDF: 82.8/95

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 183.616+/-0.042 χ^2/NDF: 2010973.9/20

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 176.762+/-0.038 χ^2/NDF: 2818980.9/26

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

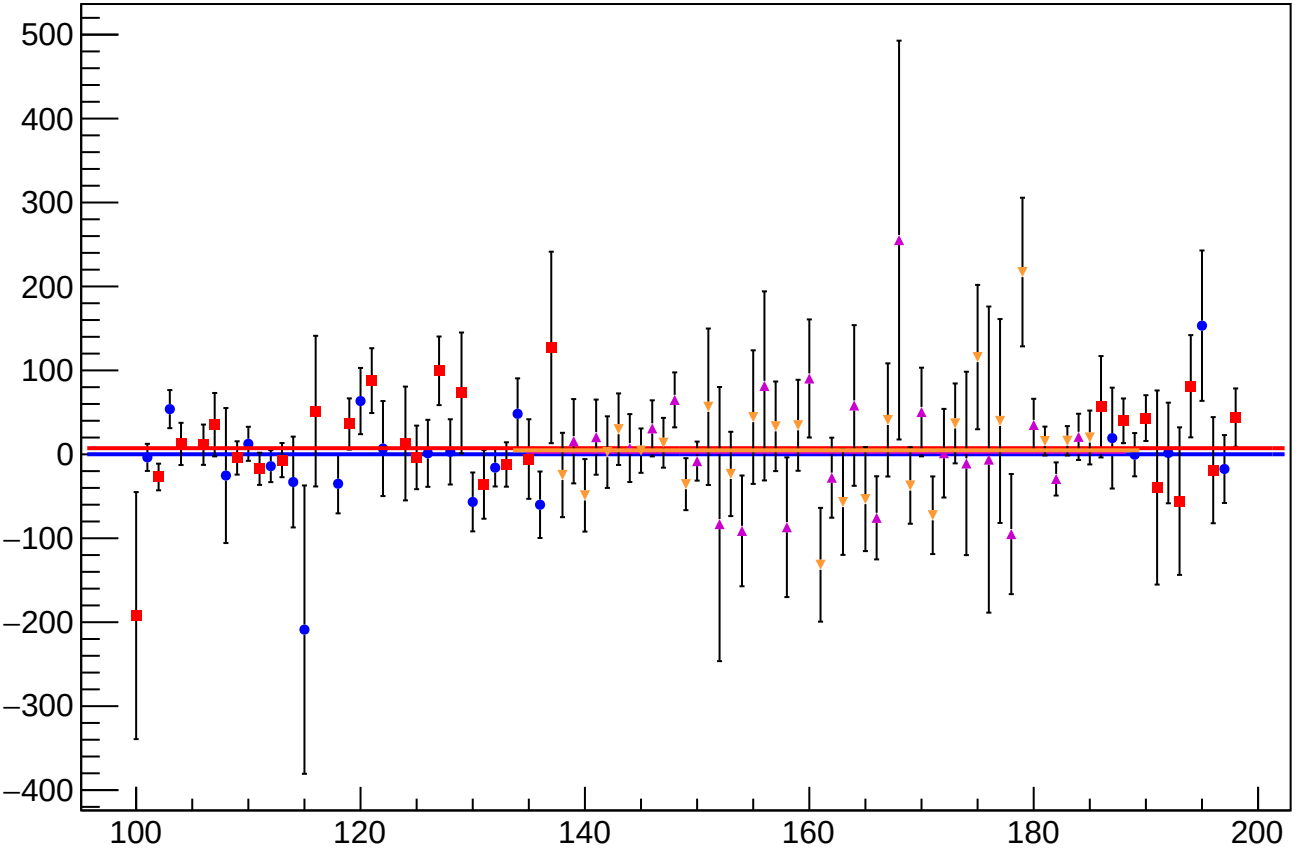
Right: 179.808+/-0.028 χ^2/NDF: 4844484.8/47

In: 180.773+/-0.025 χ^2/NDF:3673899.1/43

Out: 188.315+/-0.025 χ^2/NDF:4790781.4/51

All: 184.572+/-0.018 χ^2/NDF: 8510526.3/95

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: 0.092+/-6.843 χ^2/NDF: 22.1/20

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: 7.323+/-6.153 χ^2/NDF: 31.3/26

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

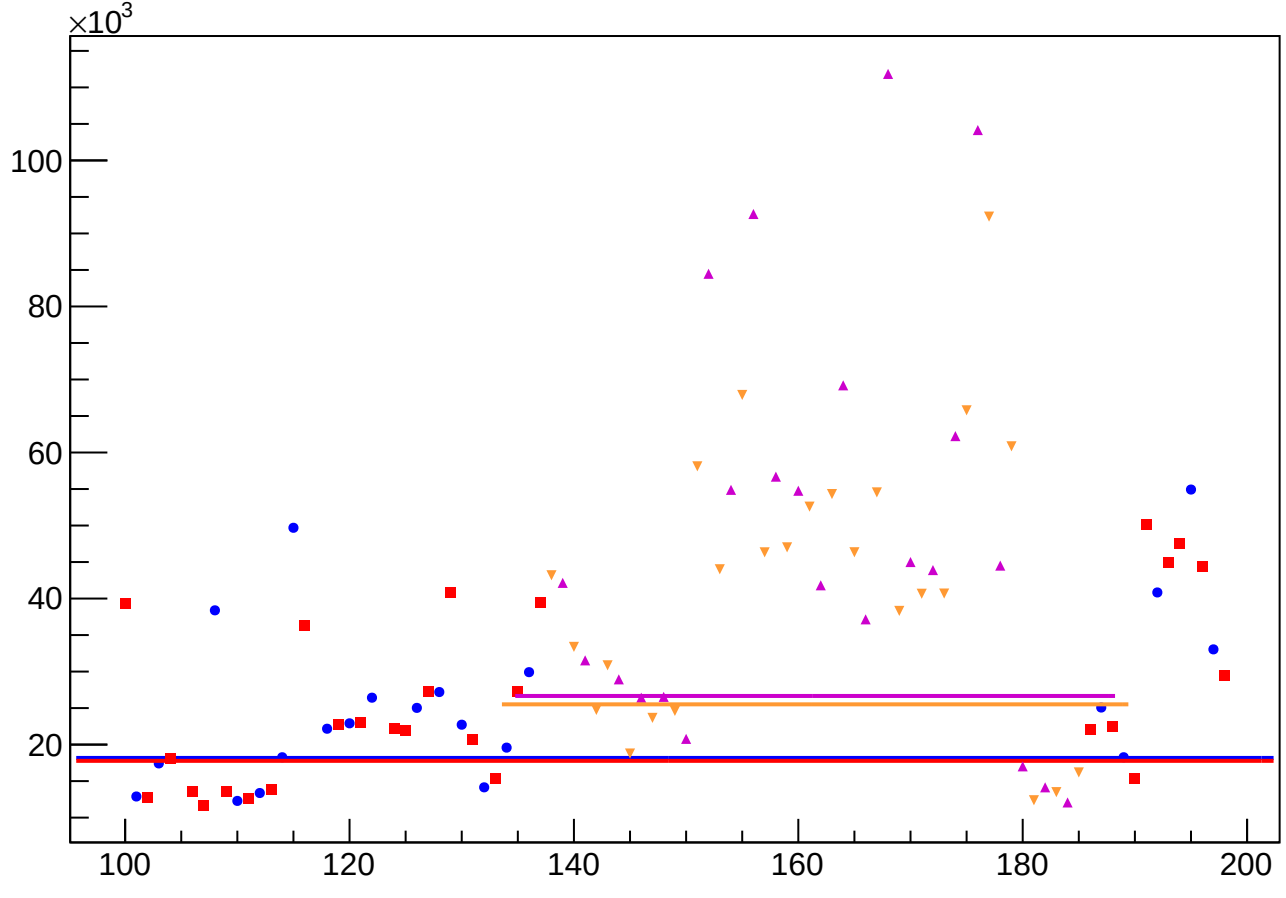
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 4.091+/-4.575 χ^2/NDF: 54.0/47

In: 1.151+/-5.411 χ^2/NDF:43.7/43

Out: 6.325+/-4.782 χ^2/NDF:55.6/51

All: 4.056+/-3.583 χ^2/NDF: 99.8/95



Right In: 18173.637+/-4.839 χ^2/NDF: 2165762.1/20

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 17774.809+/-4.351 χ^2/NDF: 2856366.9/26

Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

Left: 26000.695+/-4.075 χ^2/NDF: 13645179.5/47

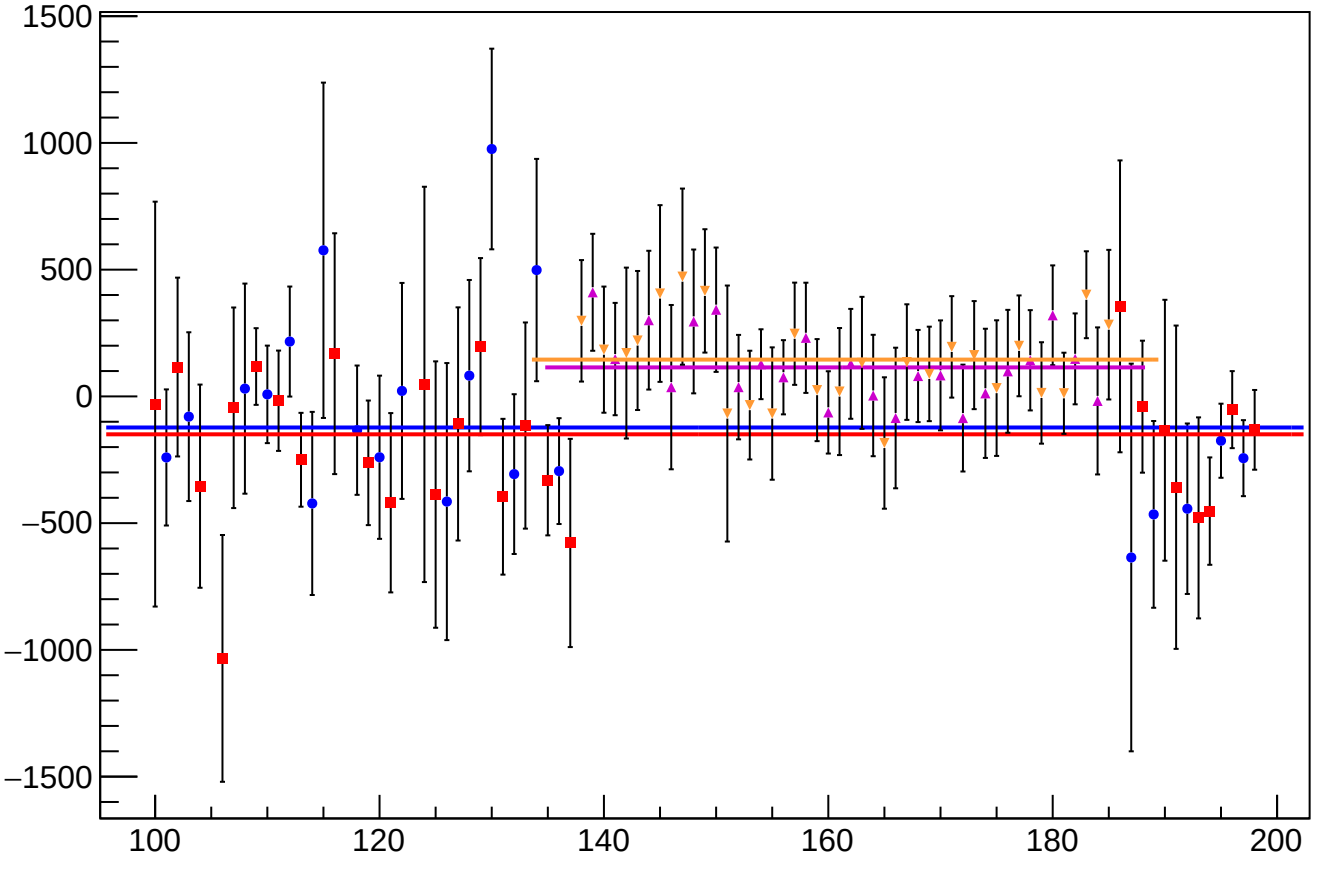
Right: 17953.101+/-3.235 χ^2/NDF: 5025885.7/47

In: 21353.605+/-3.826 χ^2/NDF:9201709.9/43

Out: 20837.842+/-3.382 χ^2/NDF:11851130.9/51

All: 21064.025+/-2.534 χ^2/NDF: 21063042.3

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -122.637+/-59.585 χ^2/NDF: 19.6/20

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: -149.572+/-53.290 χ^2/NDF: 17.2/26

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

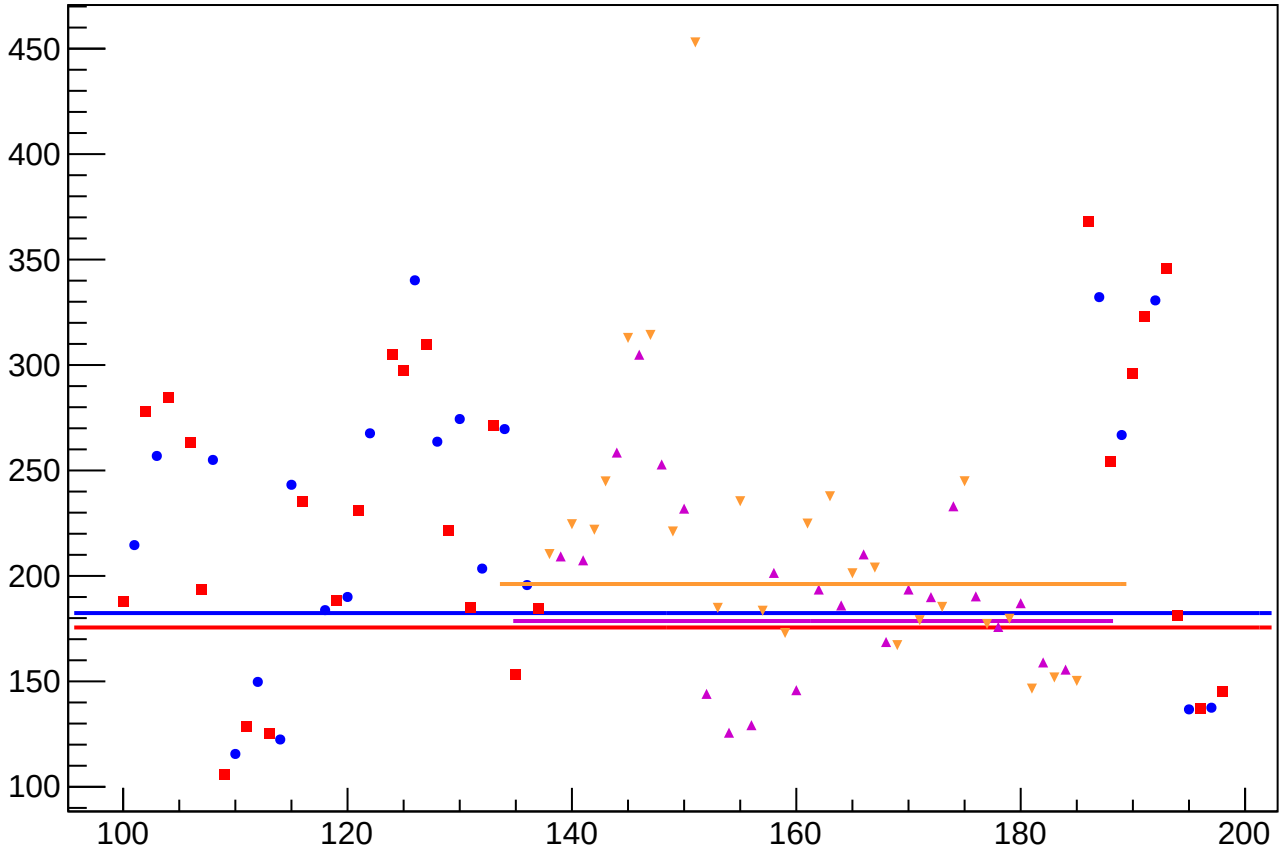
Right: -137.602+/-39.721 χ^2/NDF: 37.0/47

In: 31.693+/-35.196 χ^2/NDF:38.3/43

Out: 18.619+/-34.919 χ^2/NDF:45.9/51

All: 25.104+/-24.789 χ^2/NDF: 84.3/95

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 182.386+/-0.042 χ^2/NDF: 2038694.3/20

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 175.555+/-0.038 χ^2/NDF: 2856874.2/26

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

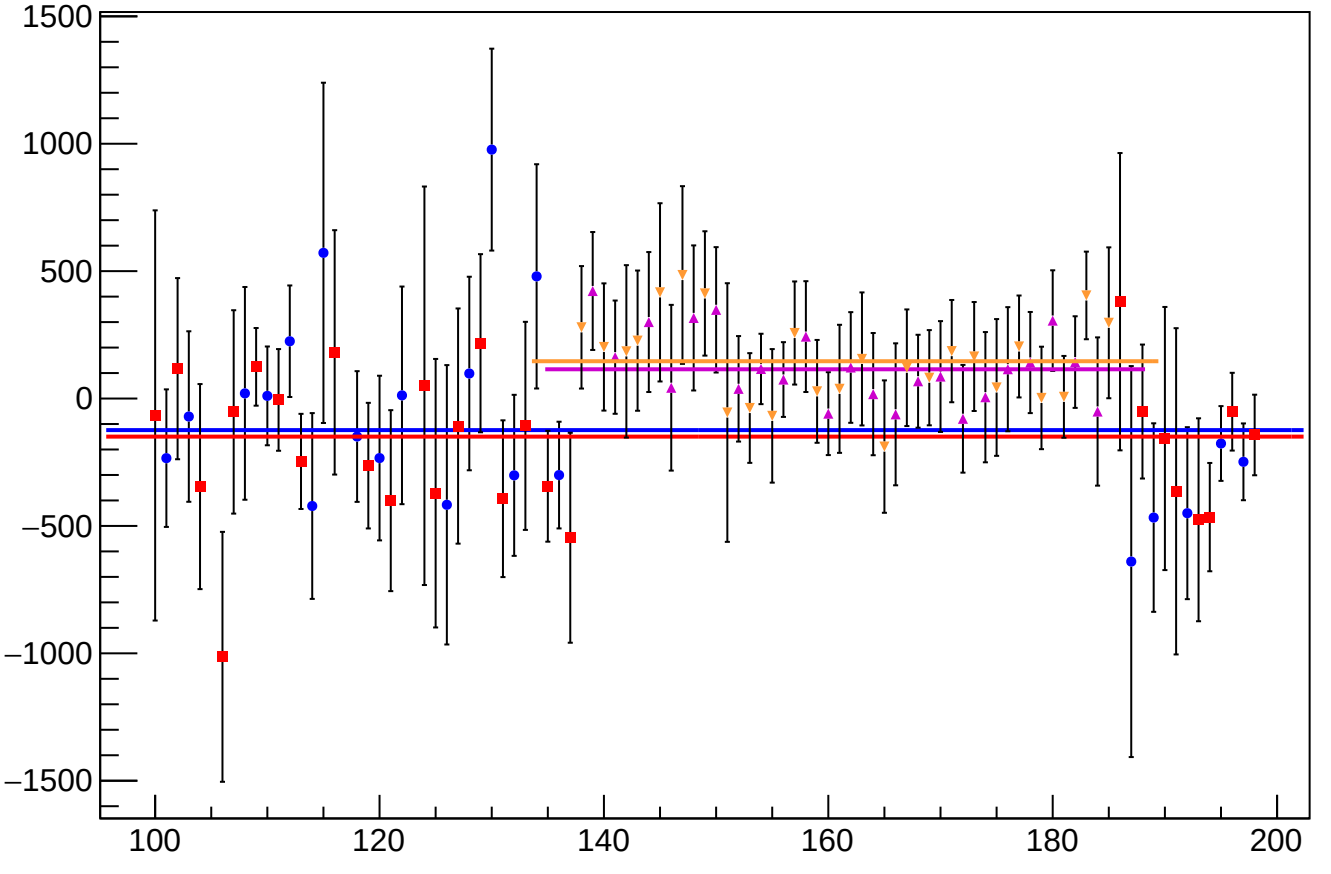
Right: 178.590+/-0.028 χ^2/NDF: 4910174.2/47

In: 179.934+/-0.025 χ^2/NDF:3695767.6/43

Out: 187.316+/-0.025 χ^2/NDF:4834468.7/51

All: 183.654+/-0.018 χ^2/NDF: 8574567.5/95

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -123.899+/-59.890 χ^2/NDF: 19.6/20

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: -149.445+/-53.579 χ^2/NDF: 17.3/26

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

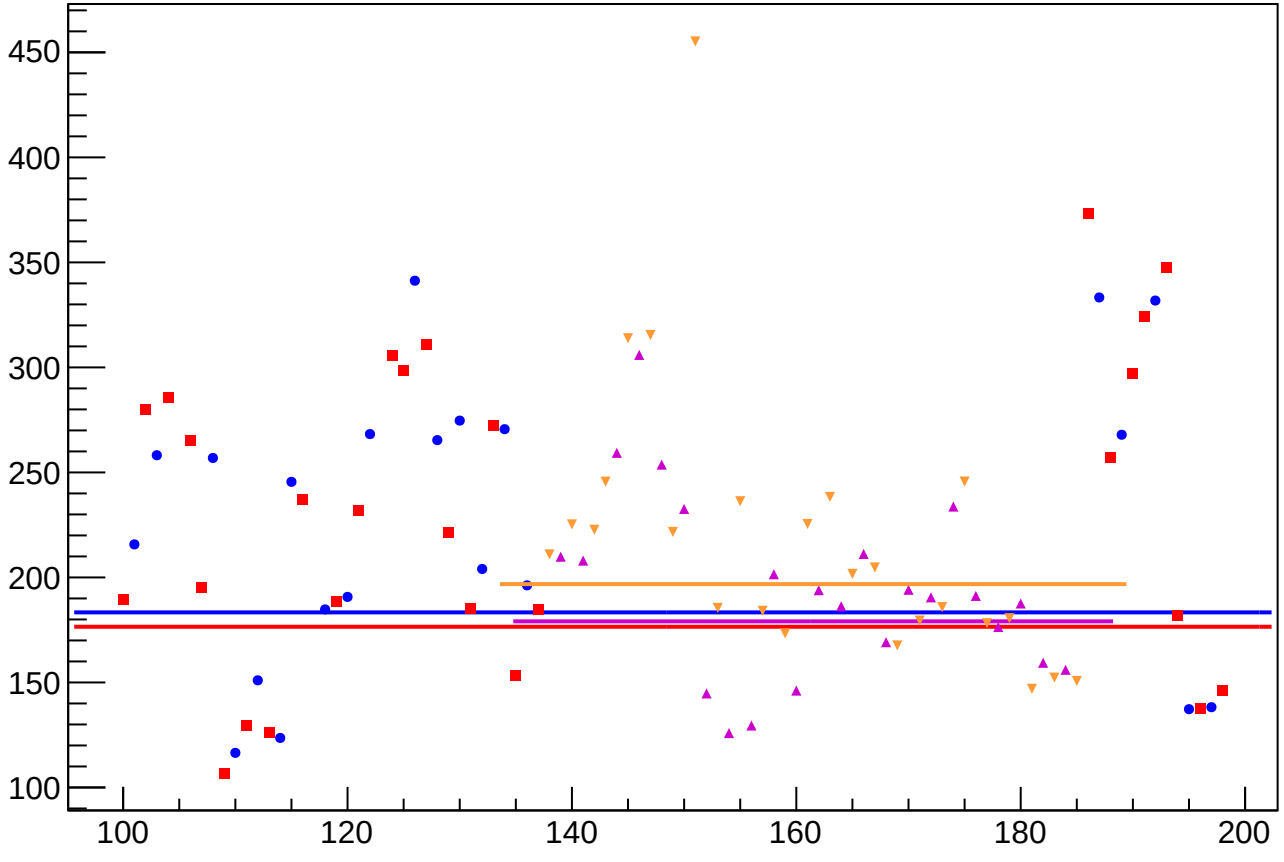
Right: -138.088+/-39.931 χ^2/NDF: 37.0/47

In: 31.771+/-35.323 χ^2/NDF:38.4/43

Out: 19.688+/-35.066 χ^2/NDF:46.1/51

All: 25.686+/-24.886 χ^2/NDF: 84.6/95

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 183.365+/-0.042 χ^2/NDF: 2028689.0/20

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 176.523+/-0.038 χ^2/NDF: 2852127.0/26

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

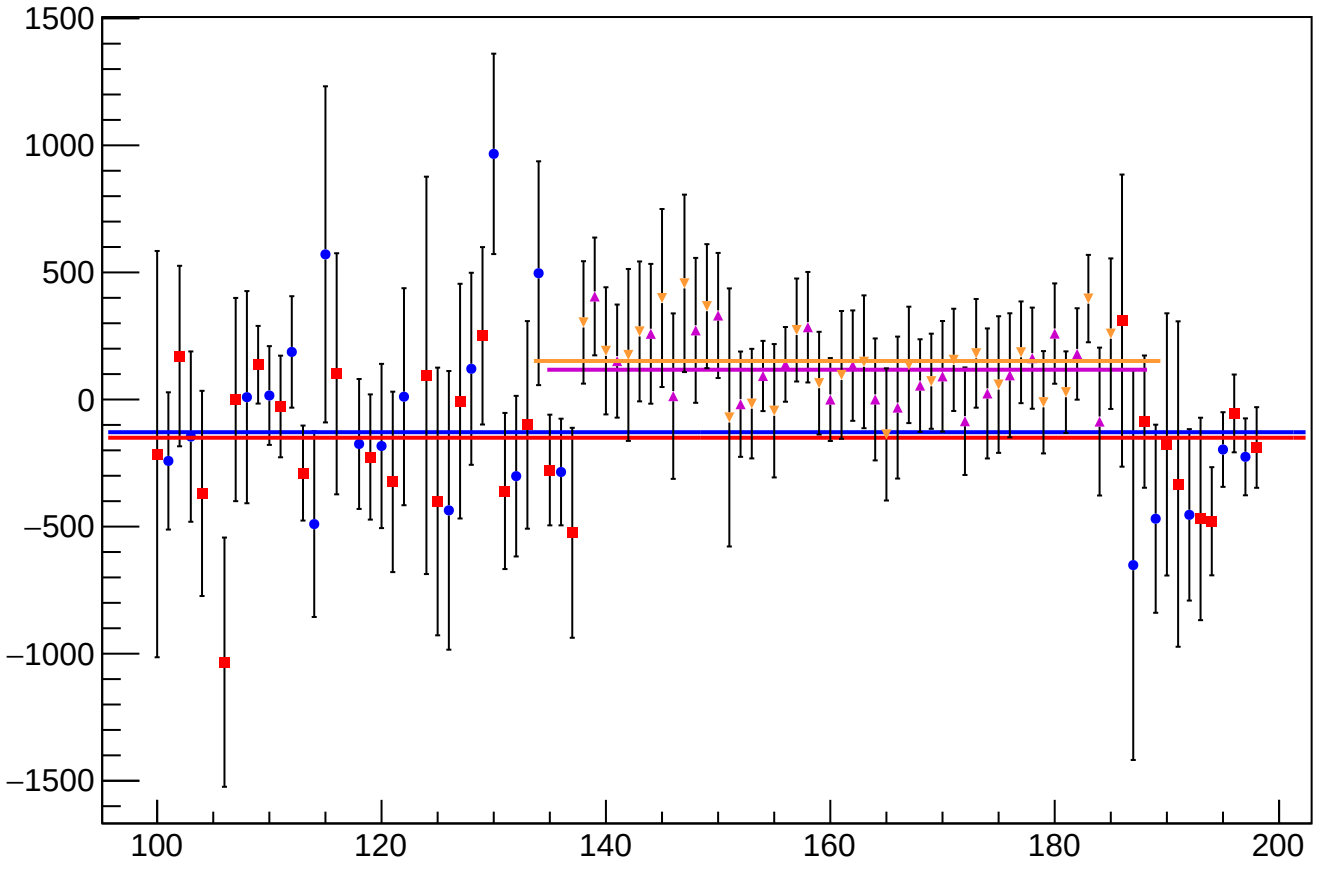
Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

Right: 179.565+/-0.028 χ^2/NDF: 4895315.9/47

In: 180.584+/-0.025 χ^2/NDF:3691167.1/43

Out: 188.118+/-0.025 χ^2/NDF:4824577.8/51

All: 184.378+/-0.018 χ^2/NDF: 8561561.9/95



Right In: -128.662+/-59.944 χ^2/NDF: 19.4/20

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -150.377+/-53.612 χ^2/NDF: 17.2/26

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

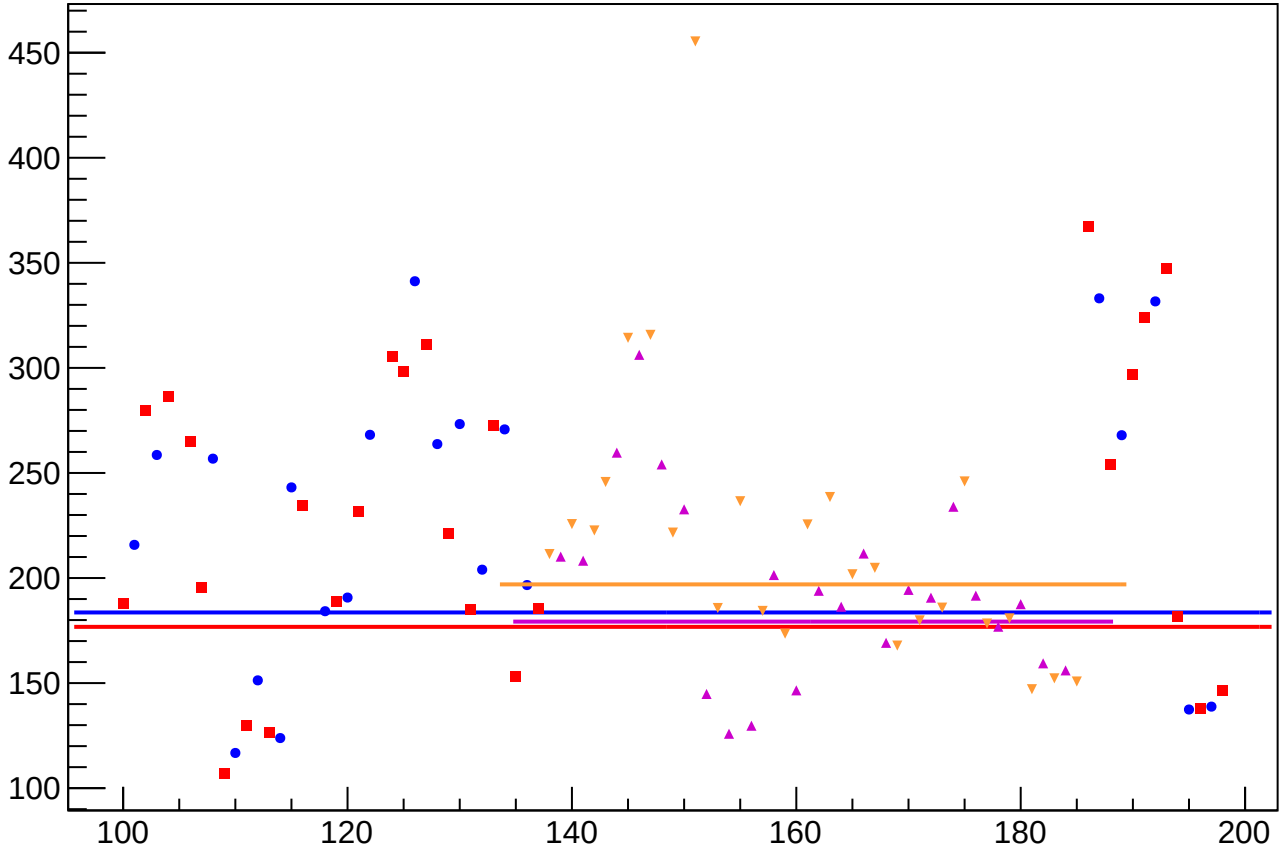
Right: -140.727+/-39.961 χ^2/NDF: 36.7/47

In: 31.656+/-35.354 χ^2/NDF:37.8/43

Out: 22.214+/-35.093 χ^2/NDF:45.0/51

All: 26.900+/-24.906 χ^2/NDF: 82.8/95

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 183.616+/-0.042 χ^2/NDF: 2010973.9/20

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 176.762+/-0.038 χ^2/NDF: 2818980.9/26

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

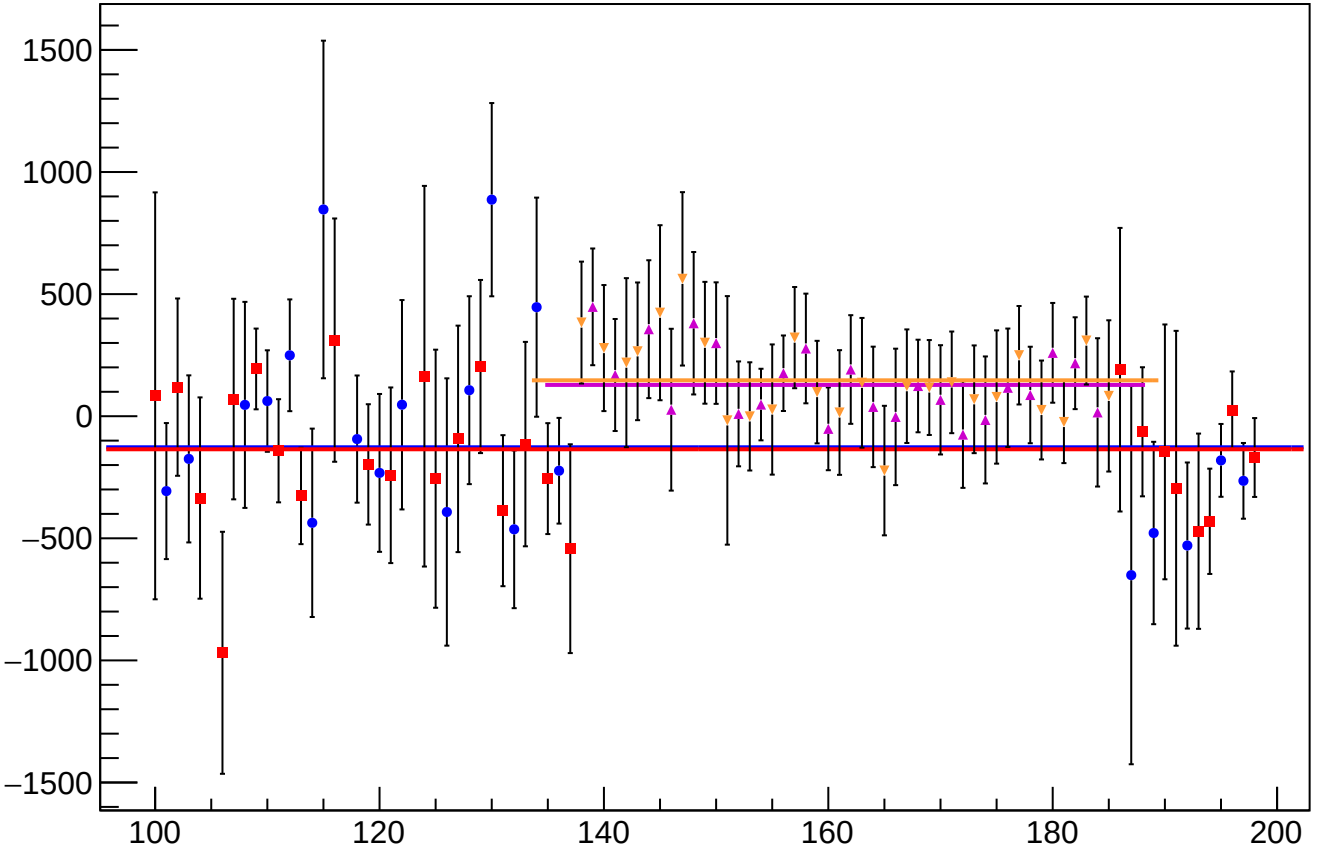
Right: 179.808+/-0.028 χ^2/NDF: 4844484.8/47

In: 180.773+/-0.025 χ^2/NDF:3673899.1/43

Out: 188.315+/-0.025 χ^2/NDF:4790781.4/51

All: 184.572+/-0.018 χ^2/NDF: 8510526.3/95

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: -127.273+/-61.514 χ^2/NDF: 20.8/20

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: -135.405+/-55.372 χ^2/NDF: 16.8/26

Left In: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

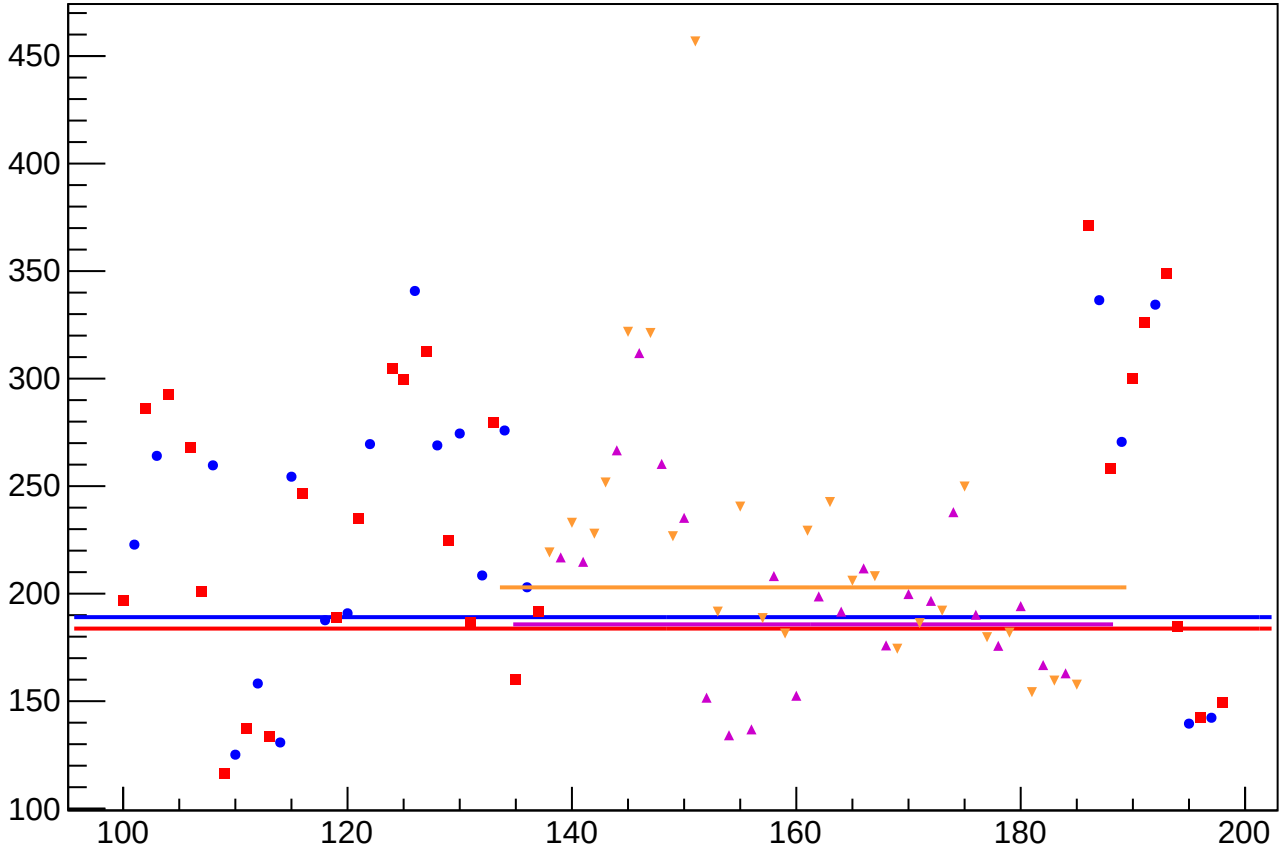
Right: -131.765+/-41.154 χ^2/NDF: 37.6/47

In: 38.602+/-36.424 χ^2/NDF:40.6/43

Out: 26.660+/-36.143 χ^2/NDF:41.9/51

All: 32.585+/-25.656 χ^2/NDF: 82.5/95

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 189.077+/-0.043 χ^2/NDF: 1899989.2/20

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 183.759+/-0.039 χ^2/NDF: 2576520.9/26

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

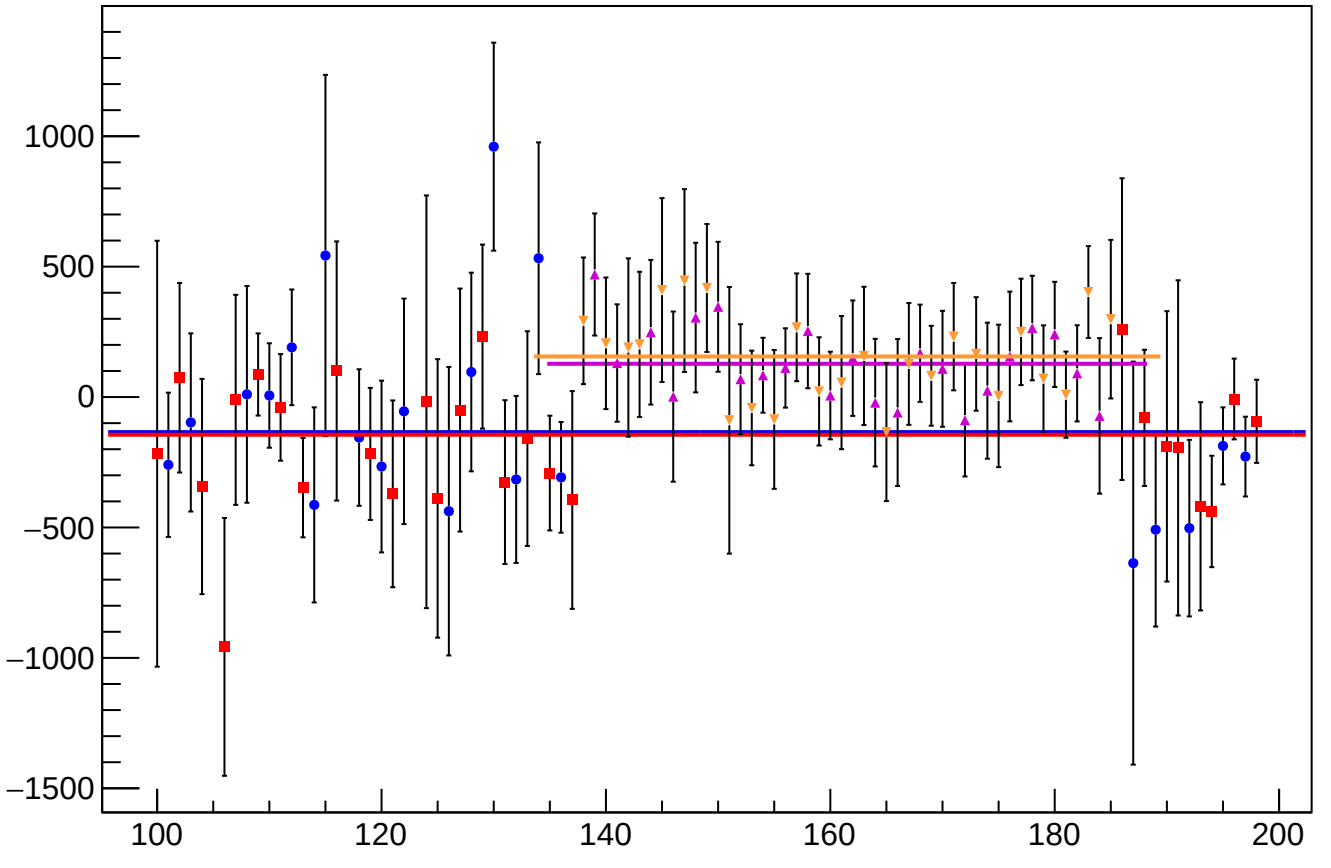
Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

Right: 186.139+/-0.029 χ^2/NDF: 4484769.5/47

In: 186.894+/-0.026 χ^2/NDF:3393355.0/43

Out: 194.756+/-0.026 χ^2/NDF:4414095.1/51

All: 190.856+/-0.018 χ^2/NDF: 7854395.2/95



Right In: -134.447+/-60.757 χ^2/NDF: 19.3/20

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: -144.370+/-54.417 χ^2/NDF: 14.1/26

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

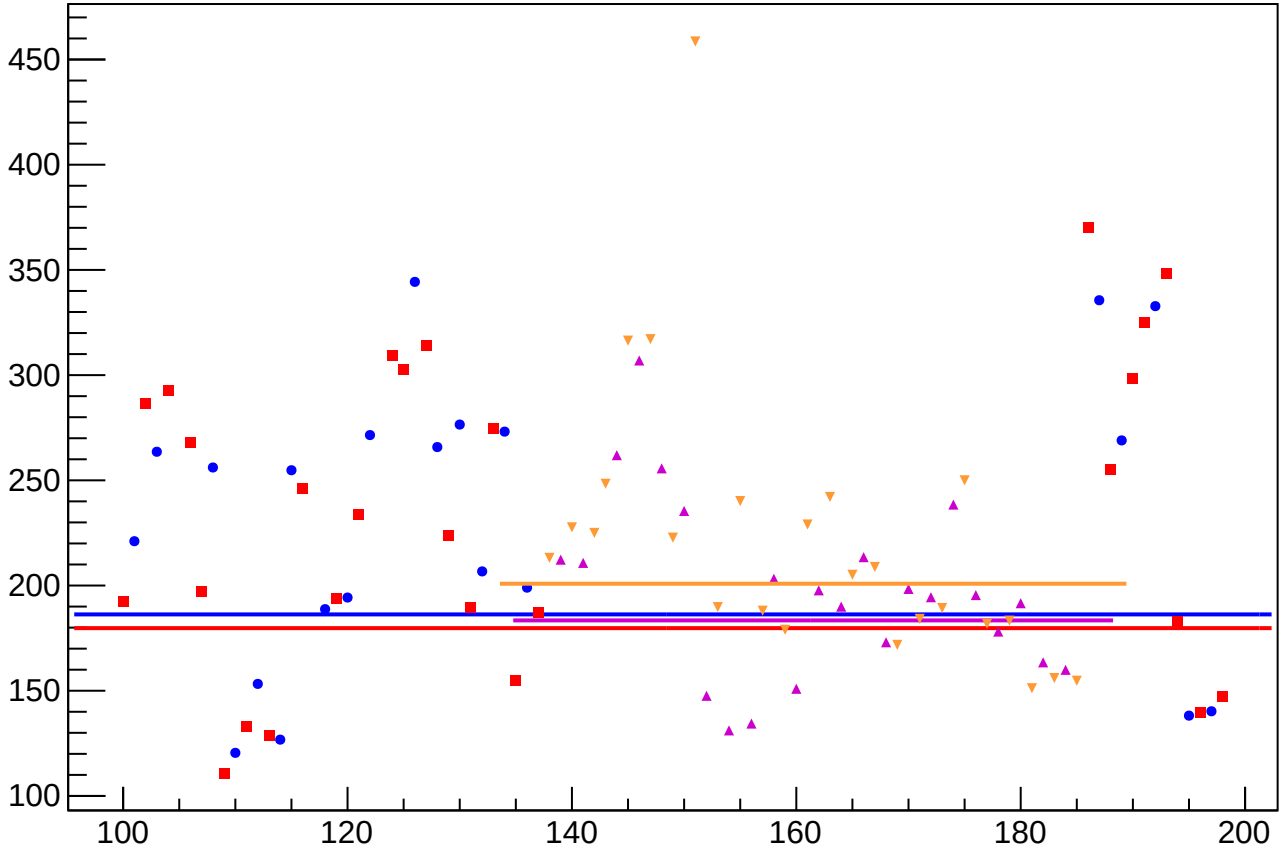
Right: -139.953+/-40.535 χ^2/NDF: 33.3/47

In: 35.616+/-36.004 χ^2/NDF:39.3/43

Out: 26.640+/-35.683 χ^2/NDF:42.0/51

All: 31.088+/-25.345 χ^2/NDF: 81.4/95

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 186.280+/-0.043 χ^2/NDF: 1987375.9/20

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 179.753+/-0.038 χ^2/NDF: 2763319.8/26

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

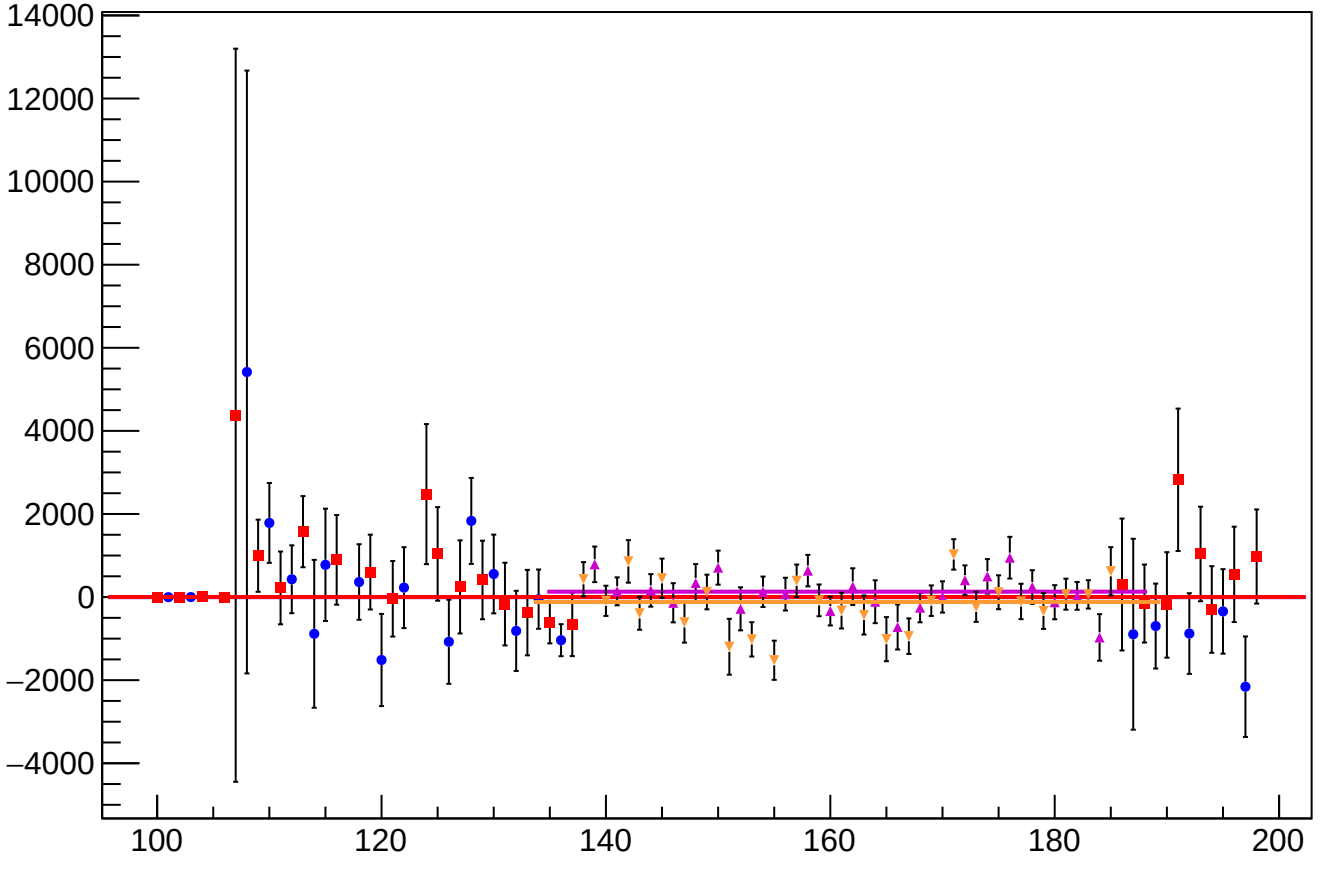
Right: 182.658+/-0.029 χ^2/NDF: 4763499.7/47

In: 184.433+/-0.025 χ^2/NDF:3520902.5/43

Out: 191.787+/-0.025 χ^2/NDF:4662306.5/51

All: 188.143+/-0.018 χ^2/NDF: 8225303.7/95

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.256+/-2.171 χ^2/NDF: 24.6/20

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: 1.388+/-2.022 χ^2/NDF: 21.5/26

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

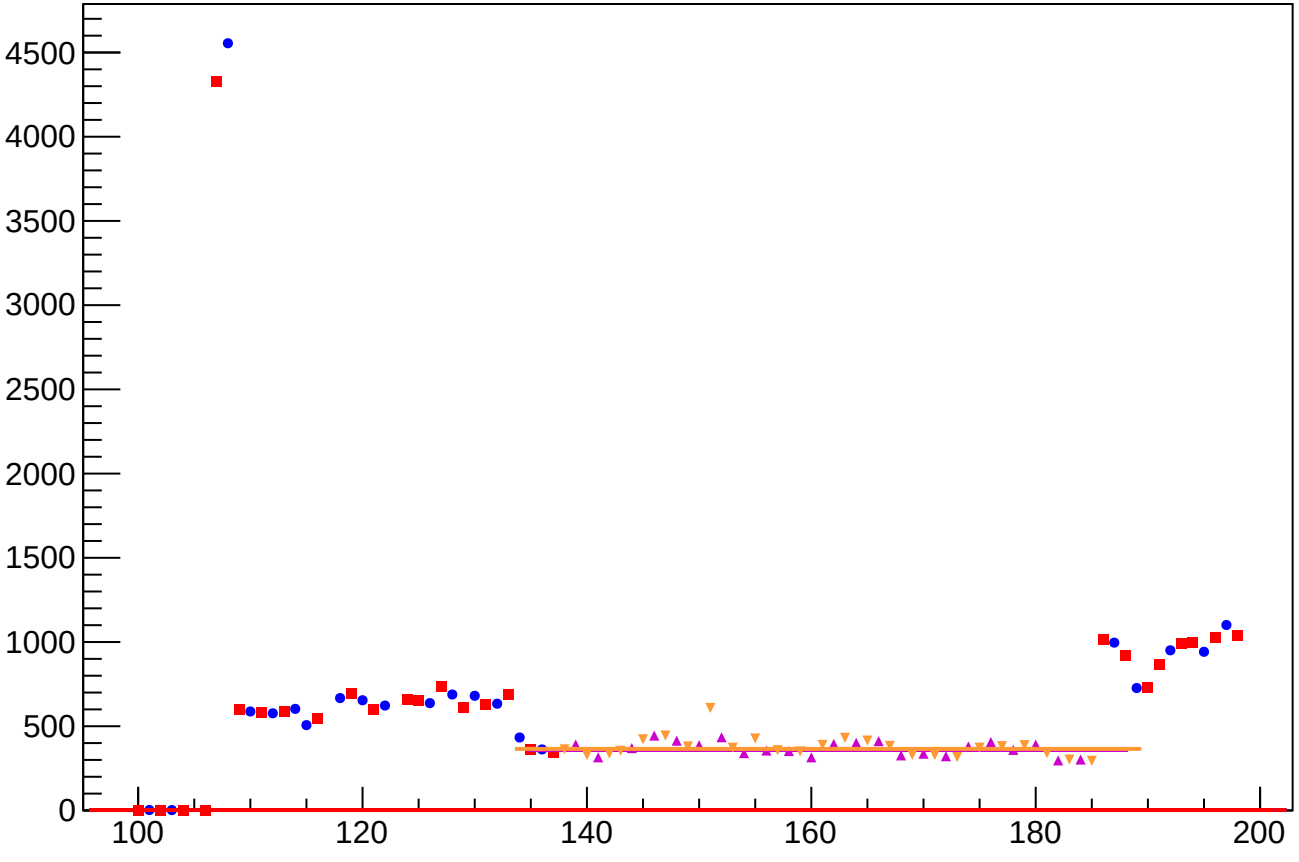
Right: 0.159+/-1.480 χ^2/NDF: 46.9/47

In: -1.170+/-2.170 χ^2/NDF:48.7/43

Out: 1.319+/-2.022 χ^2/NDF:69.9/51

All: 0.162+/-1.479 χ^2/NDF: 119.3/95

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.493+/-0.002 χ^2/NDF: 18269768.8/20

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.484+/-0.001 χ^2/NDF: 21999889.0/26

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

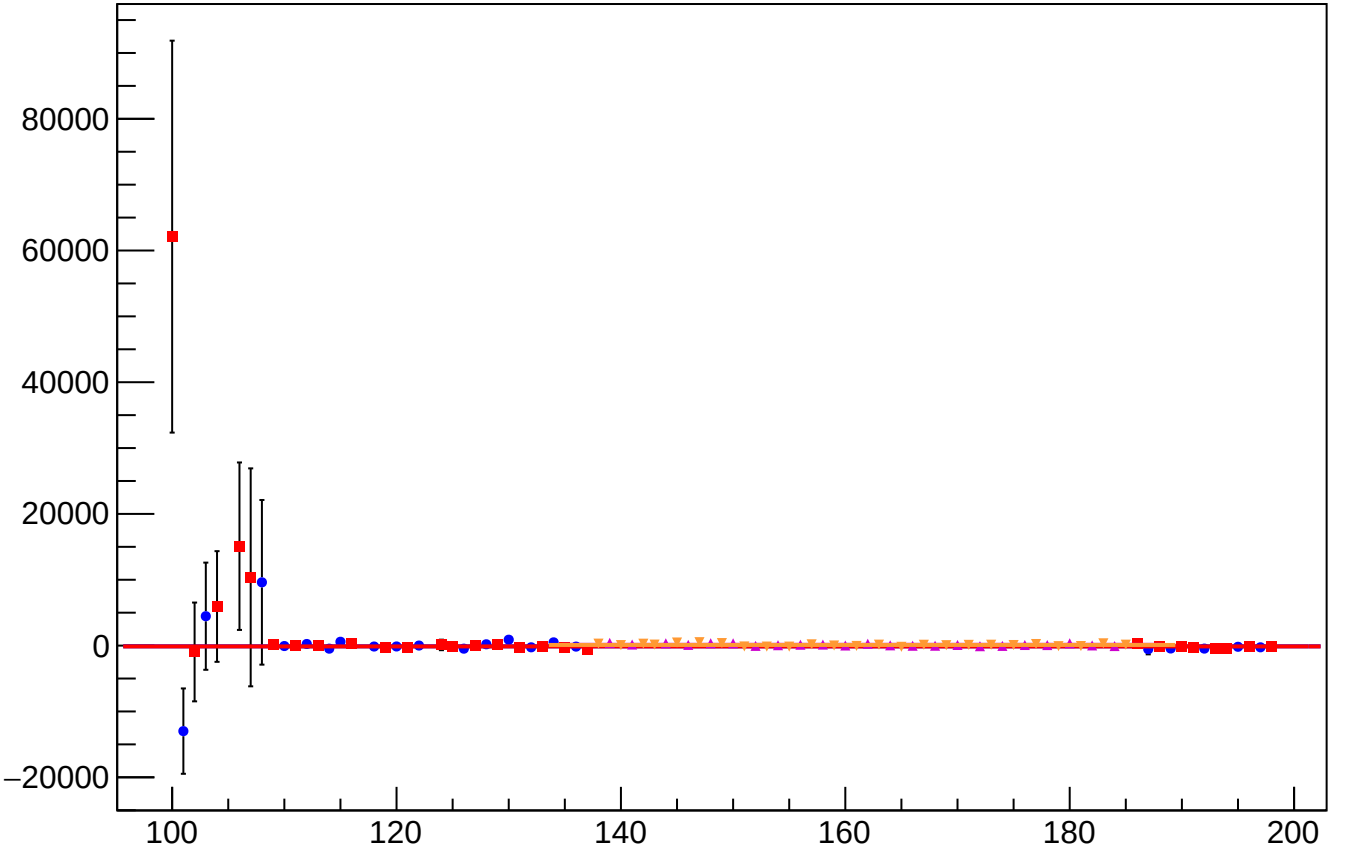
Right: 2.489+/-0.001 χ^2/NDF: 40269676.1/47

In: 2.725+/-0.002 χ^2/NDF:53818707.7/43

Out: 2.694+/-0.001 χ^2/NDF:59836502.7/51

All: 2.708+/-0.001 χ^2/NDF: 113655438.1/95

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: -107.202+/-67.394 χ^2/NDF: 21.4/20

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: -123.060+/-61.480 χ^2/NDF: 18.1/26

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

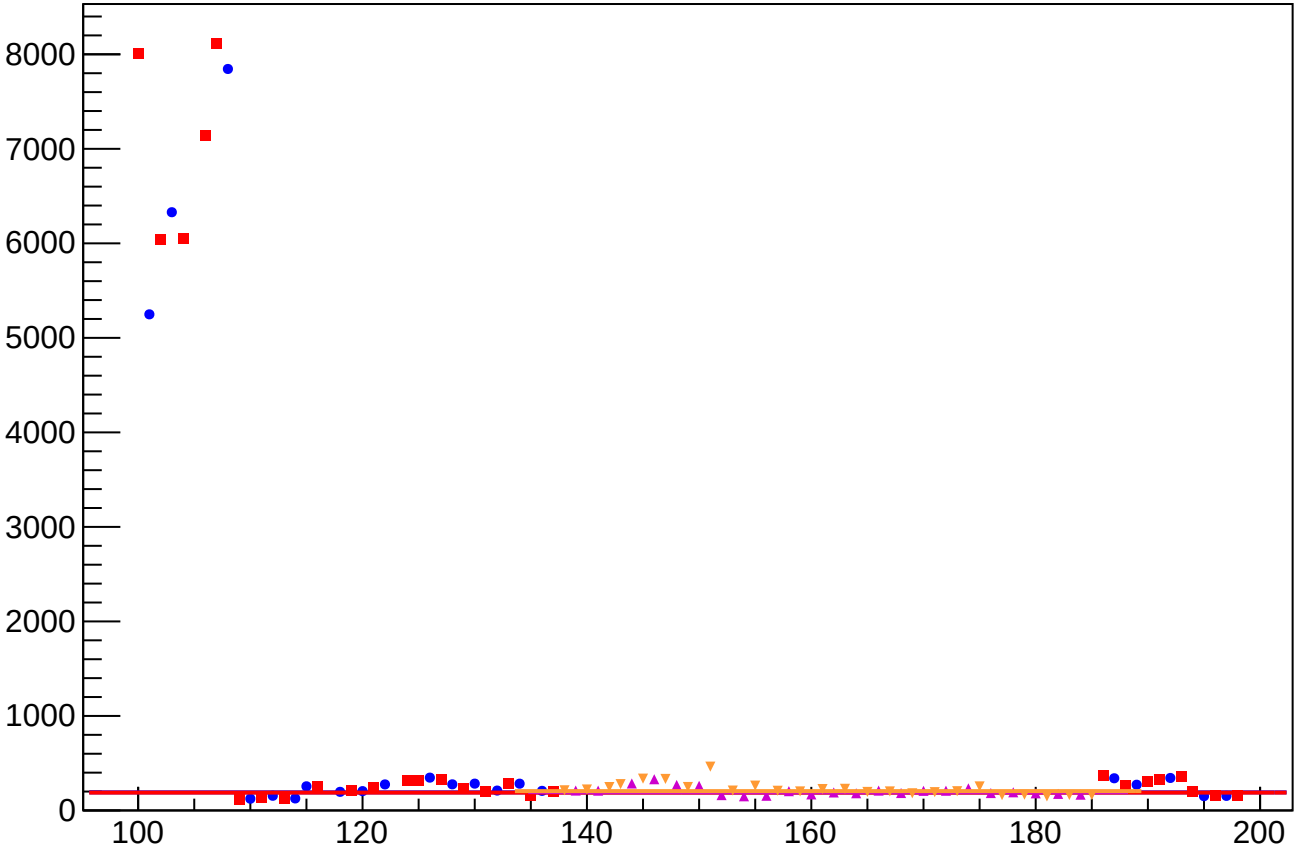
Right: -115.857+/-45.420 χ^2/NDF: 39.6/47

In: 45.307+/-38.527 χ^2/NDF:38.3/43

Out: 14.732+/-37.957 χ^2/NDF:39.0/51

All: 29.792+/-27.039 χ^2/NDF: 77.6/95

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 191.500+/-0.048 χ^2/NDF: 4732610.1/20

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 188.884+/-0.043 χ^2/NDF: 5454177.2/26

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

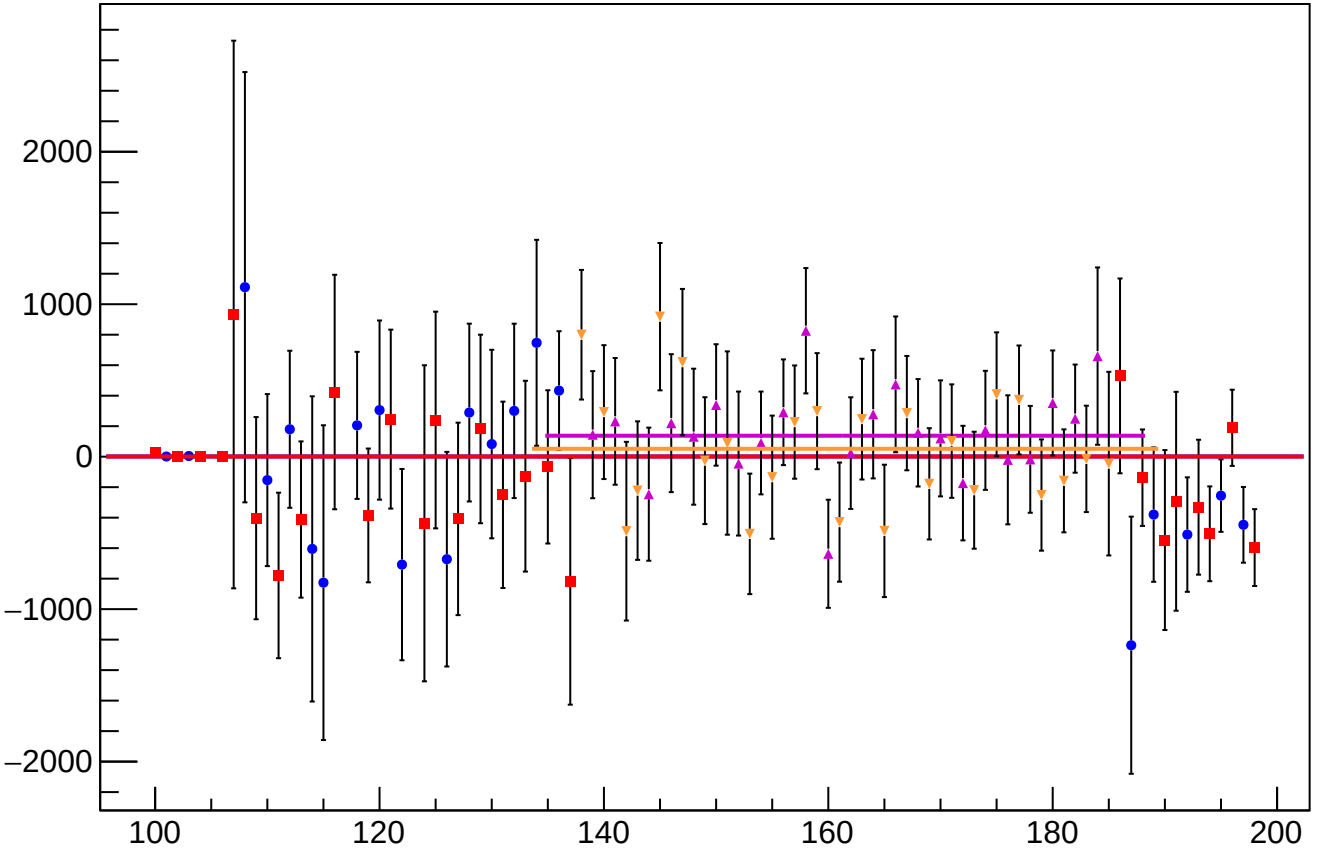
Right: 190.072+/-0.032 χ^2/NDF: 10188431.8/47

In: 193.112+/-0.027 χ^2/NDF:5925900.5/43

Out: 198.598+/-0.027 χ^2/NDF:7509975.6/51

All: 195.896+/-0.019 χ^2/NDF: 13456451.7/95

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.403+/-1.660 χ^2/NDF: 17.1/20

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: 1.057+/-1.528 χ^2/NDF: 20.5/26

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

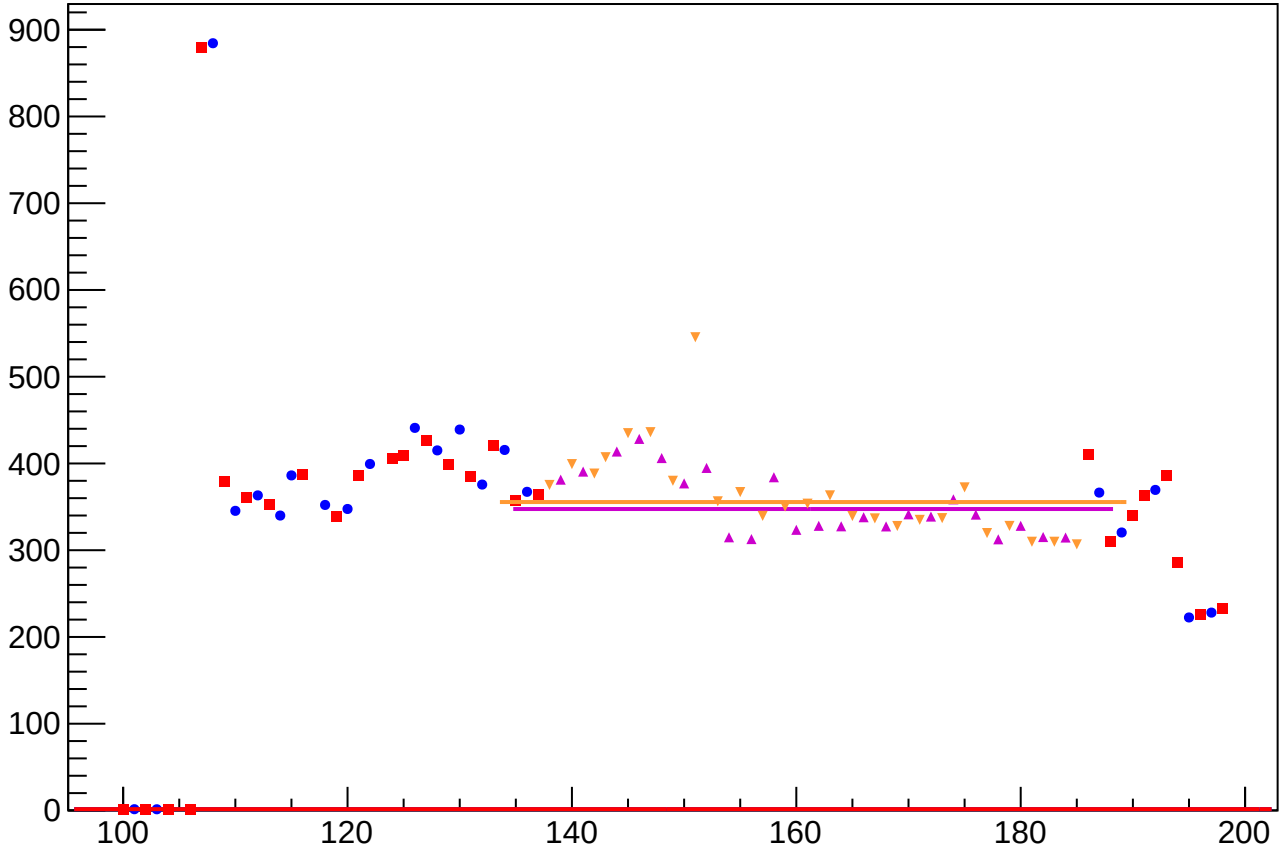
Right: 1.216+/-1.124 χ^2/NDF: 37.6/47

In: 1.458+/-1.660 χ^2/NDF:32.0/43

Out: 1.075+/-1.527 χ^2/NDF:40.3/51

All: 1.251+/-1.124 χ^2/NDF: 72.3/95

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.504+/-0.001 χ^2/NDF: 18473802.2/20

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.509+/-0.001 χ^2/NDF: 21643009.9/26

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

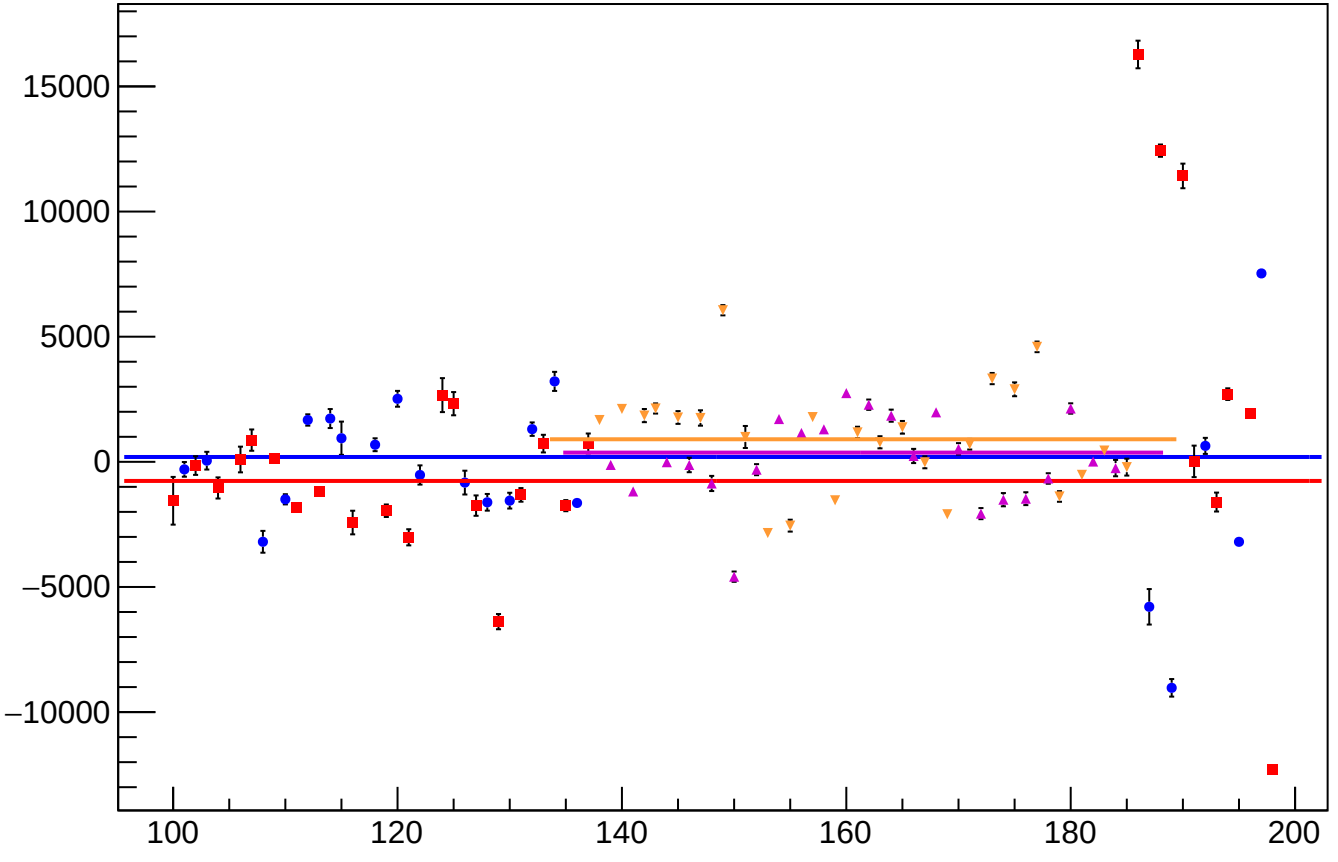
Right: 1.507+/-0.001 χ^2/NDF: 40116820.8/47

In: 1.646+/-0.001 χ^2/NDF:54312091.4/43

Out: 1.633+/-0.001 χ^2/NDF:59846413.9/51

All: 1.639+/-0.001 χ^2/NDF: 114158566.5/95

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: 193.659+/-61.577 χ^2/NDF: 3382.7/20

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: -763.581+/-55.388 χ^2/NDF: 9888.9/26

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

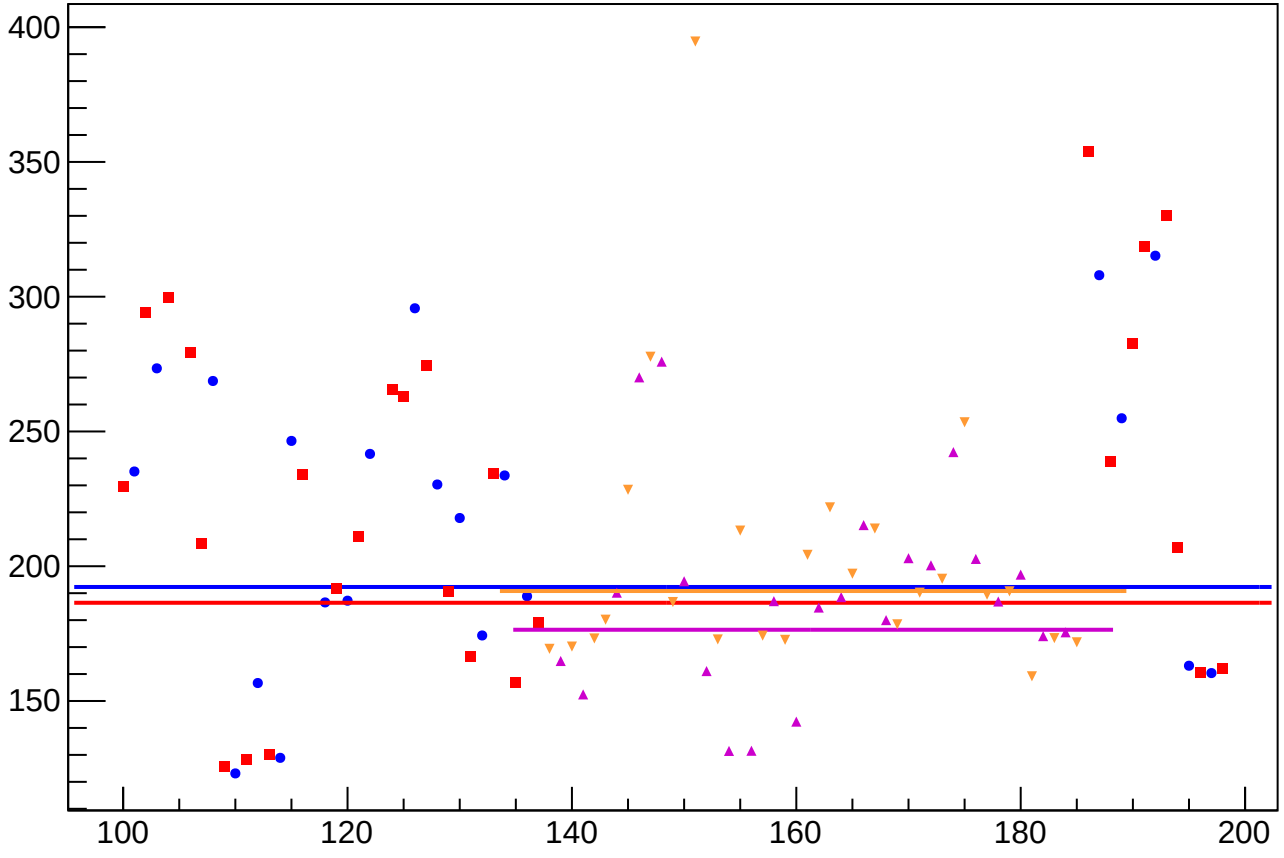
Right: -335.467+/-41.180 χ^2/NDF: 13405.3/47

In: 311.560+/-35.089 χ^2/NDF:4981.2/43

Out: 248.653+/-34.682 χ^2/NDF:12849.3/51

All: 279.739+/-24.666 χ^2/NDF: 17832.1/95

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.302+/-0.044 χ^2/NDF: 1292777.7/20

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 186.443+/-0.039 χ^2/NDF: 2087336.6/26

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

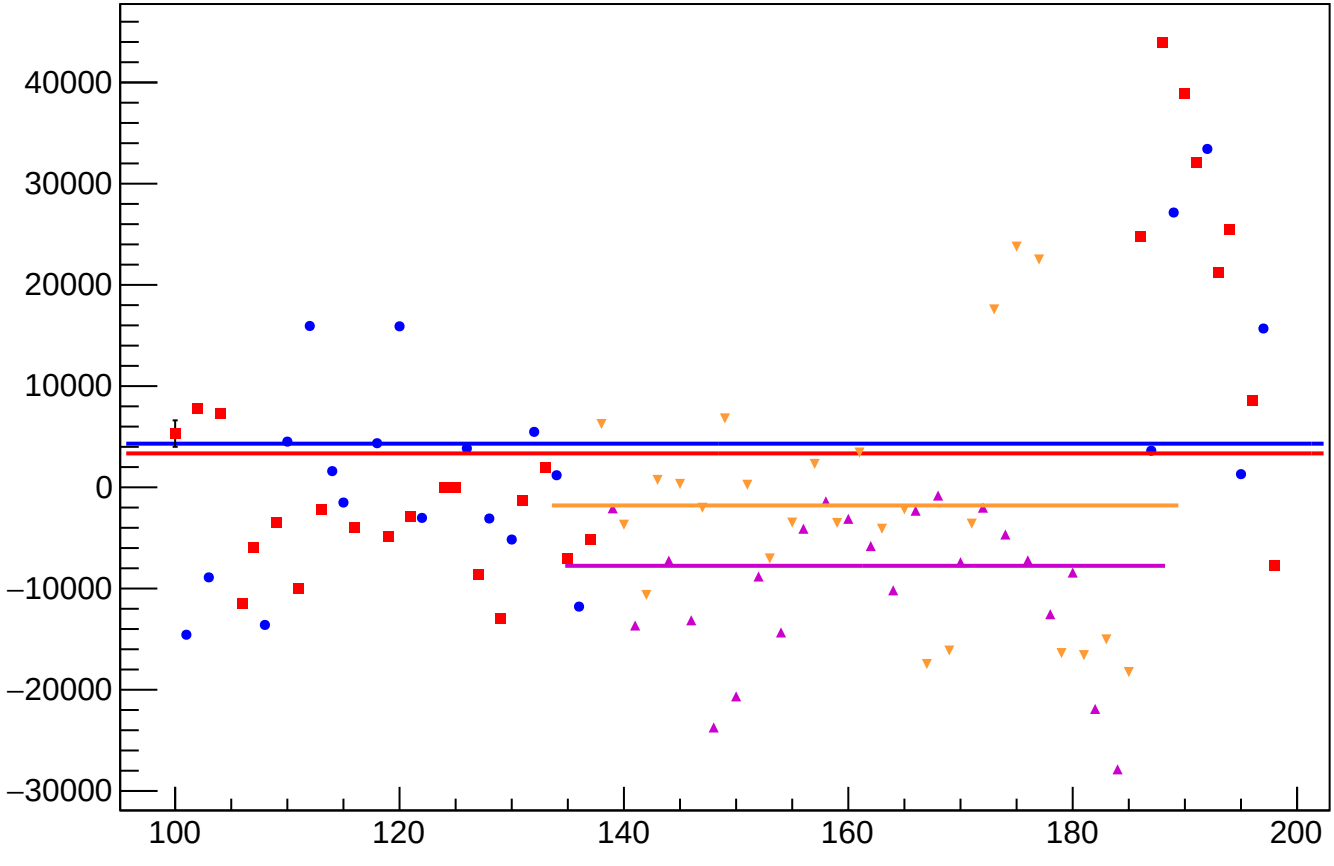
Right: 189.063+/-0.029 χ^2/NDF: 3390126.3/47

In: 181.585+/-0.025 χ^2/NDF:2640160.7/43

Out: 189.092+/-0.025 χ^2/NDF:3114463.3/51

All: 185.382+/-0.017 χ^2/NDF: 5800933.2/95

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 4313.593+/-47.111 χ^2/NDF: 74217.9/20

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 3350.445+/-43.214 χ^2/NDF: 132392.9/26

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

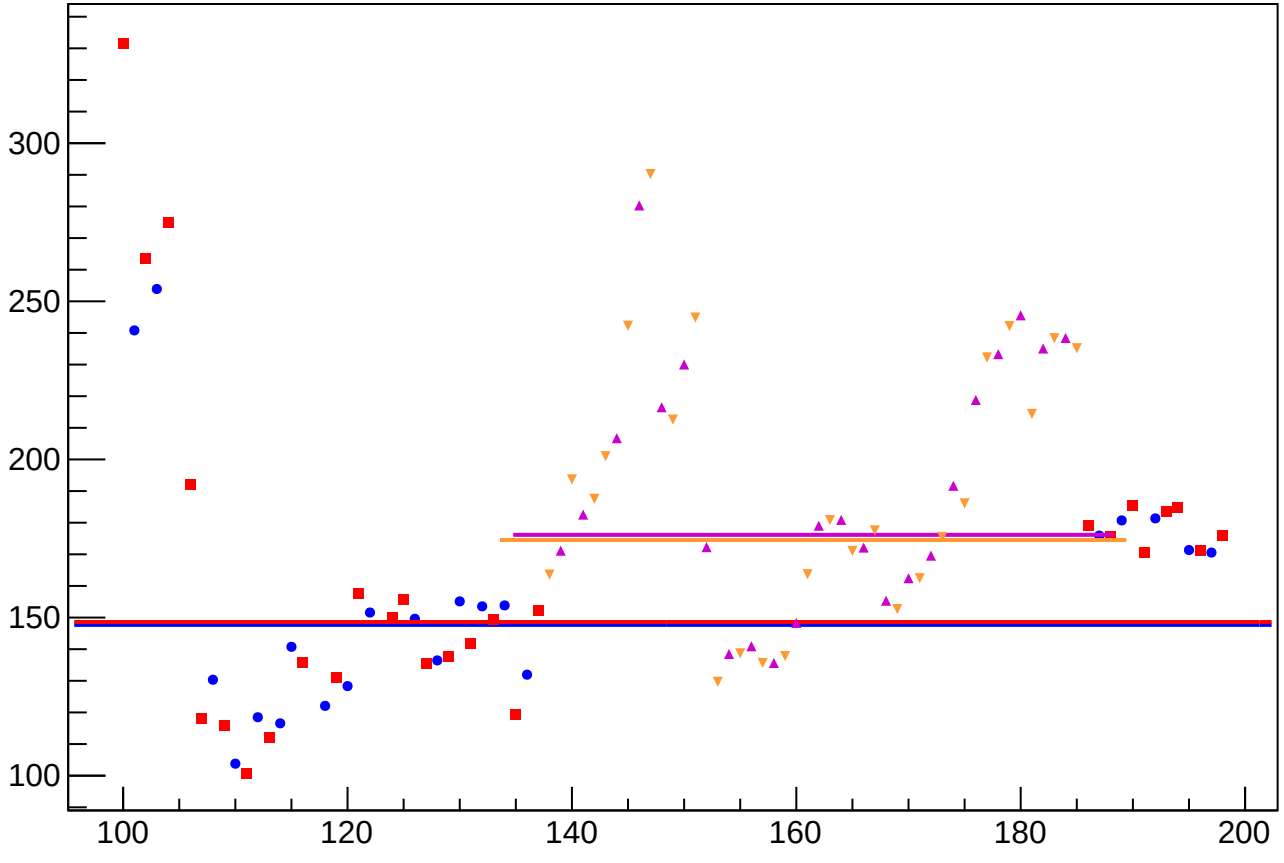
Right: 3790.541+/-31.845 χ^2/NDF: 206837.8/47

In: -2329.757+/-31.586 χ^2/NDF:133619.0/43

Out: 639.403+/-29.709 χ^2/NDF:205601.8/51

All: -754.345+/-21.640 χ^2/NDF: 343909.4/95

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 147.685+/-0.033 χ^2/NDF: 887383.4/20

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 148.601+/-0.031 χ^2/NDF: 1320529.1/26

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

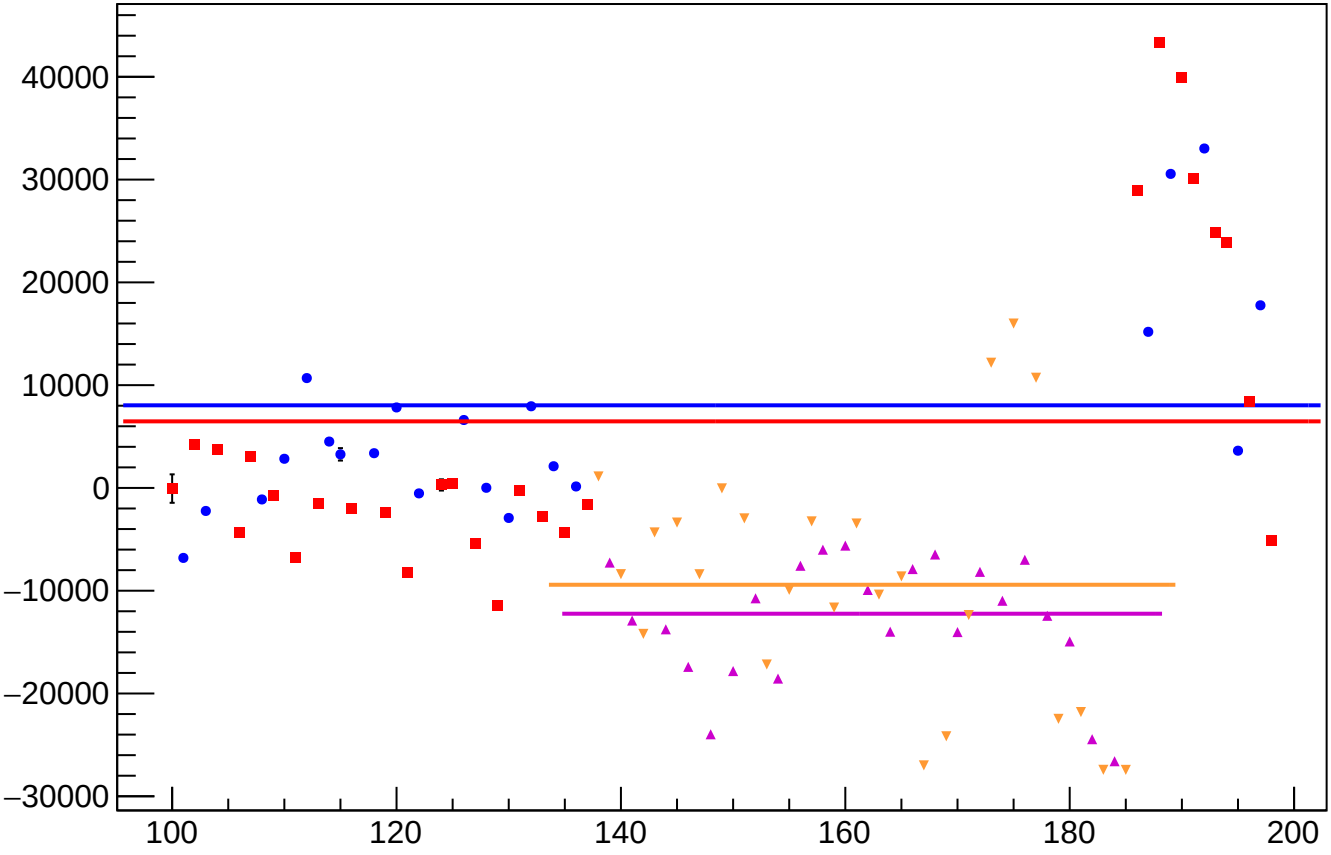
Right: 148.182+/-0.023 χ^2/NDF: 2208322.6/47

In: 163.357+/-0.022 χ^2/NDF:2656505.6/43

Out: 162.270+/-0.021 χ^2/NDF:3359452.9/51

All: 162.780+/-0.015 χ^2/NDF: 6017216.2/95

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 8038.293+/-56.385 χ^2/NDF: 35756.9/20

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 6477.338+/-50.329 χ^2/NDF: 102141.8/26

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

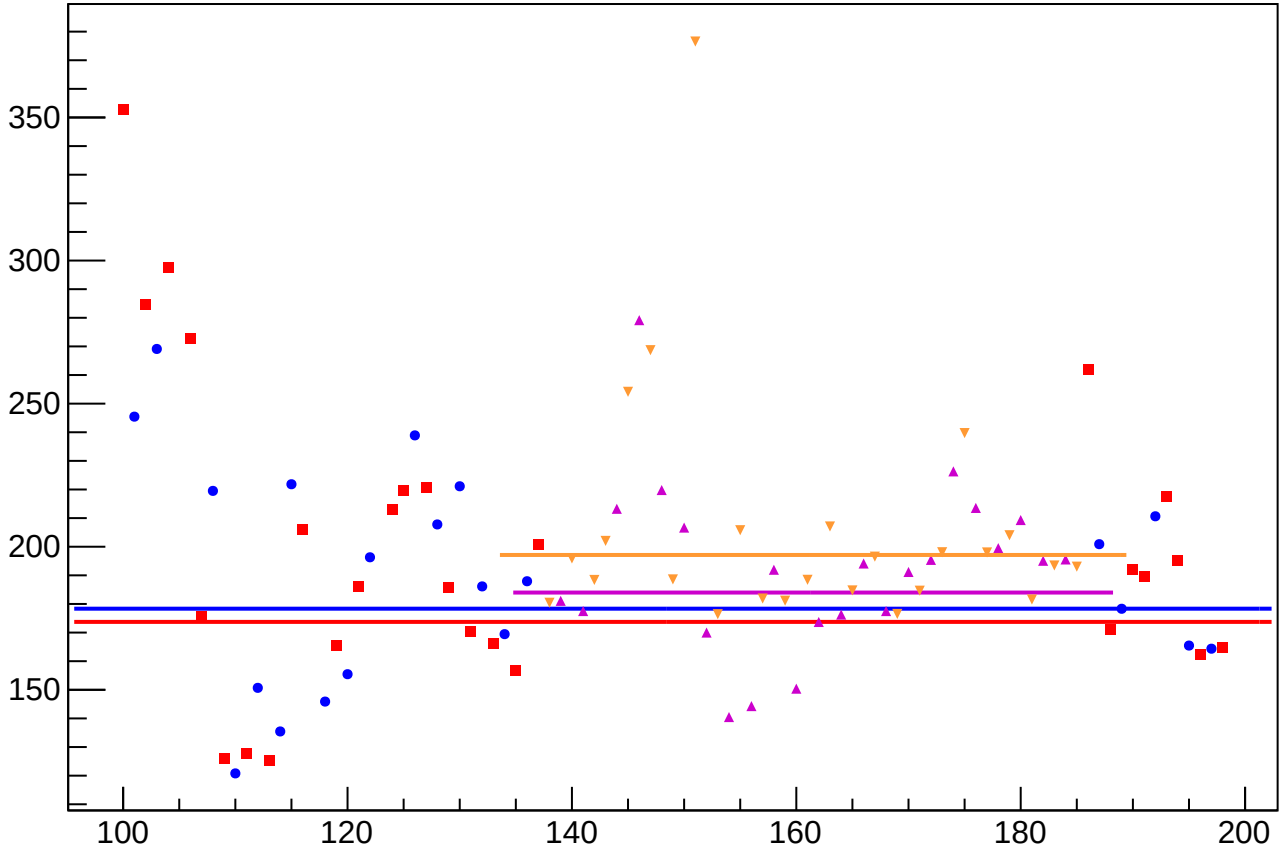
Right: 7169.518+/-37.547 χ^2/NDF: 138325.2/47

In: -4522.092+/-34.784 χ^2/NDF:131881.7/43

Out: -2236.331+/-33.832 χ^2/NDF:221549.0/51

All: -3347.532+/-24.252 χ^2/NDF: 355649.8/9

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.348+/-0.040 χ^2/NDF: 747530.6/20

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 173.735+/-0.036 χ^2/NDF: 1192524.8/26

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

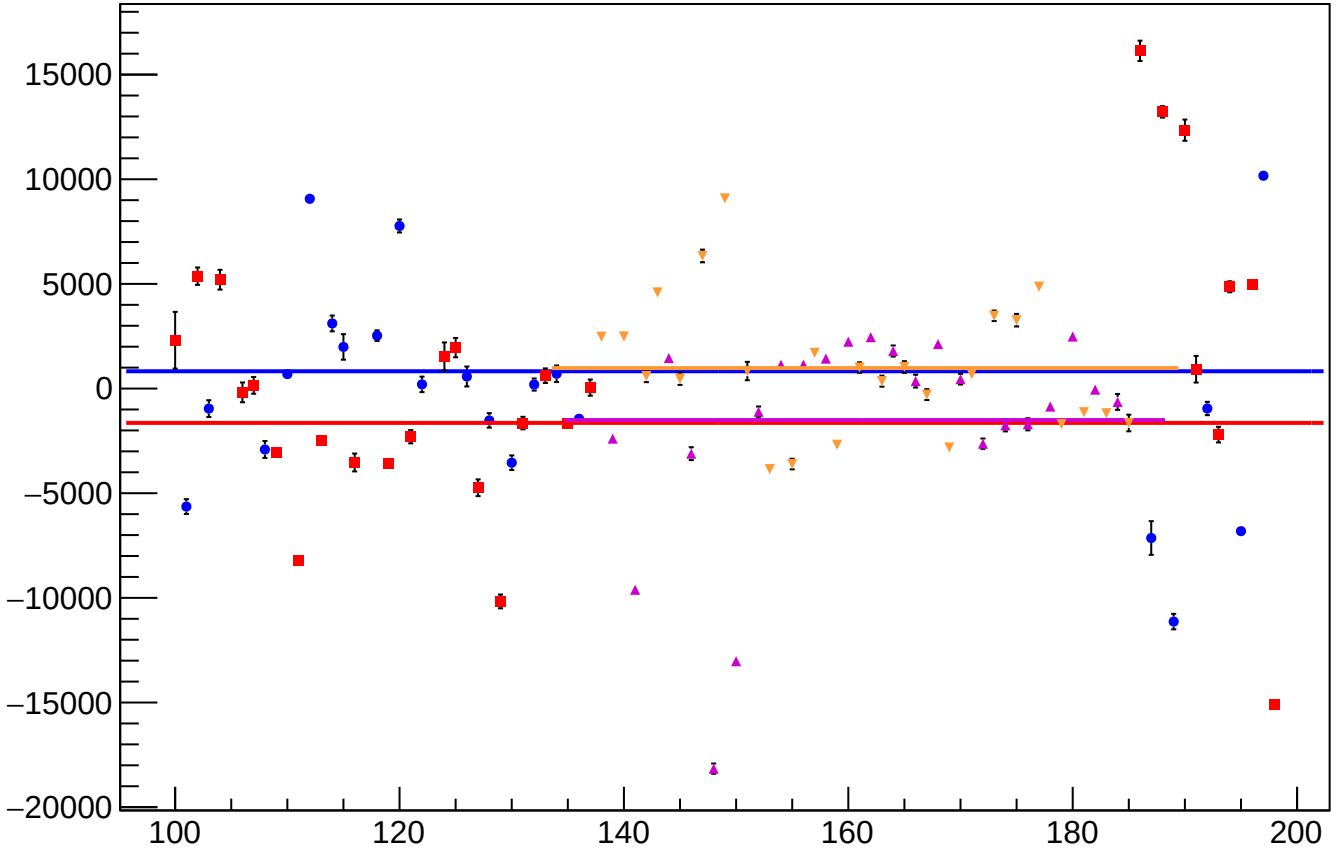
Right: 175.780+/-0.027 χ^2/NDF: 1947507.4/47

In: 181.840+/-0.025 χ^2/NDF:1589692.2/43

Out: 186.554+/-0.024 χ^2/NDF:2161776.1/51

All: 184.262+/-0.017 χ^2/NDF: 3770341.9/95

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 826.721+/-63.858 χ^2/NDF: 7746.2/20

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -1640.511+/-57.121 χ^2/NDF: 14242.7/26

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

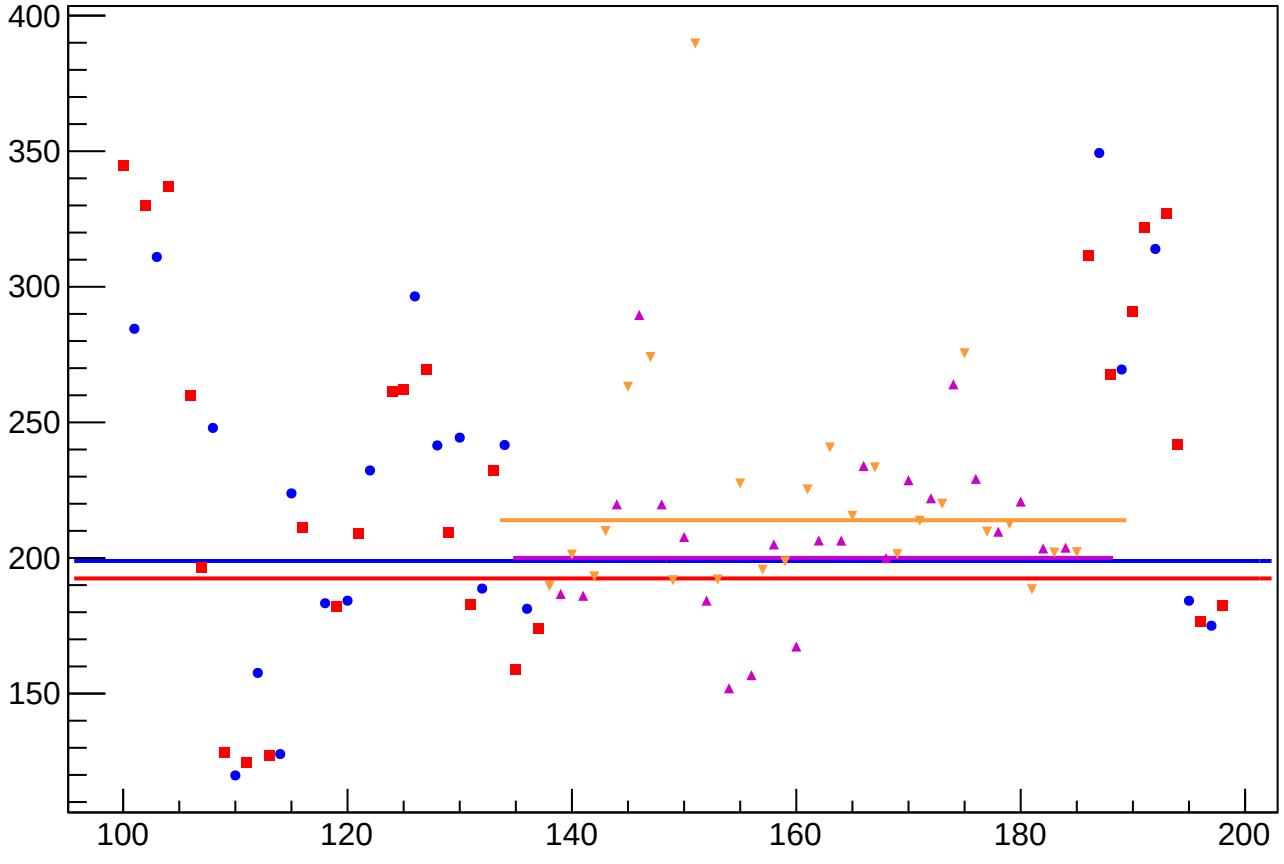
Right: -543.863+/-42.574 χ^2/NDF: 22818.1/47

In: -662.107+/-38.395 χ^2/NDF:20078.2/43

Out: -147.573+/-37.454 χ^2/NDF:19764.0/51

All: -398.458+/-26.811 χ^2/NDF: 39934.1/95

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 198.899+/-0.045 χ^2/NDF: 1418534.5/20

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 192.459+/-0.040 χ^2/NDF: 2232948.7/26

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

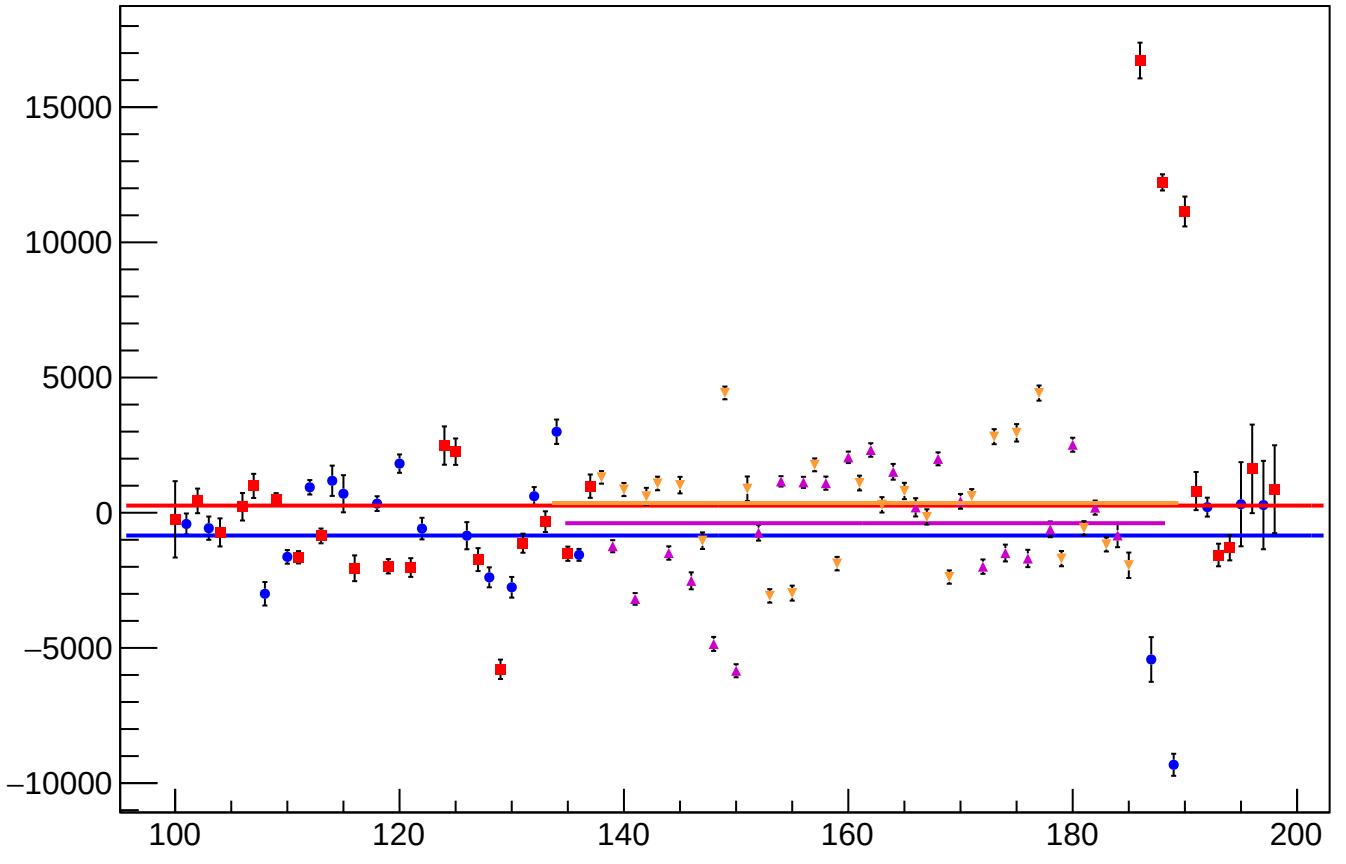
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 195.322+/-0.030 χ^2/NDF: 3662780.4/47

In: 199.621+/-0.027 χ^2/NDF:2204461.1/43

Out: 204.699+/-0.026 χ^2/NDF:3127686.7/51

All: 202.223+/-0.019 χ^2/NDF: 5350074.2/95



Right In: -842.754+/-81.782 χ^2/NDF: 797.3/20

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 264.489+/-74.026 χ^2/NDF: 3268.9/26

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

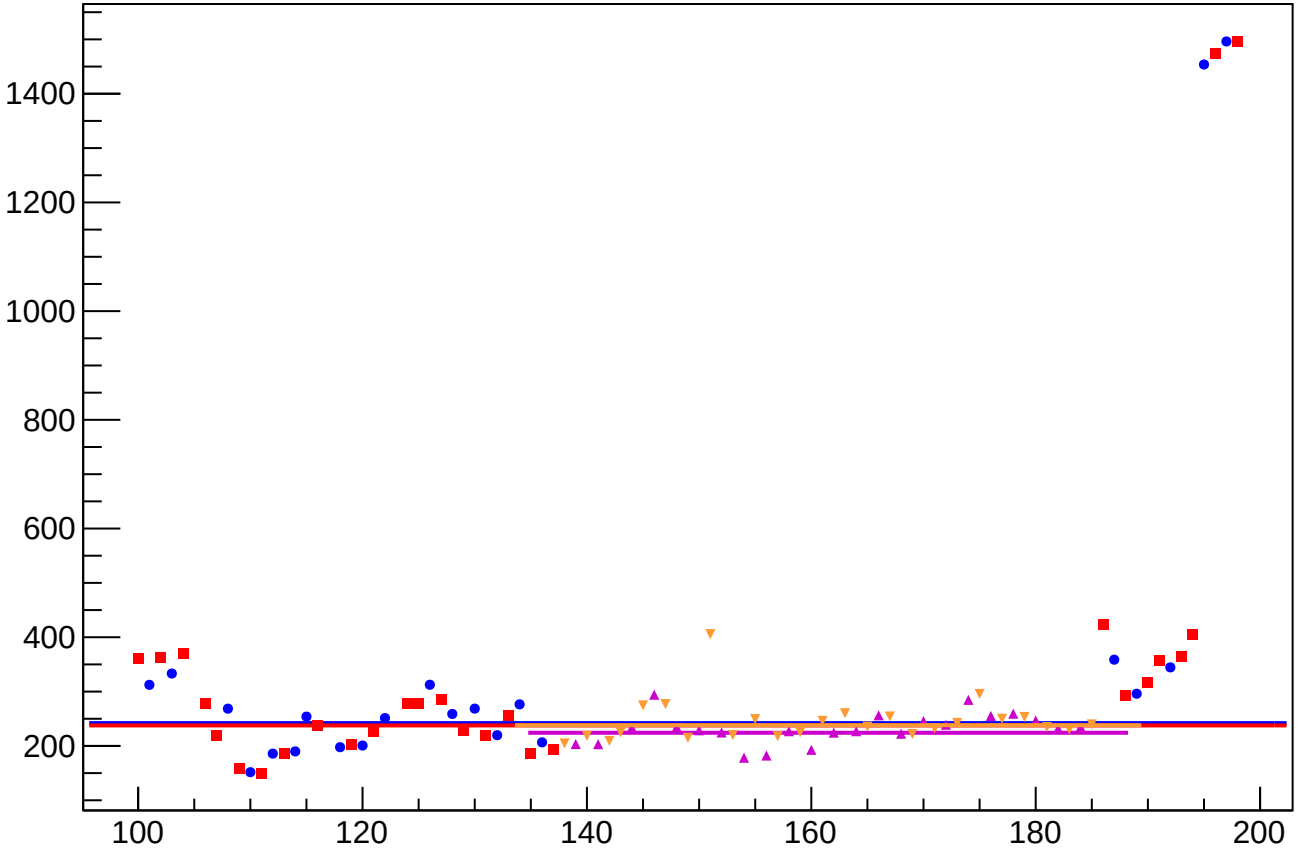
Right: -234.152+/-54.882 χ^2/NDF: 4166.9/47

In: -523.648+/-44.788 χ^2/NDF:2623.2/43

Out: 325.185+/-44.144 χ^2/NDF:4688.8/51

All: -93.088+/-31.440 χ^2/NDF: 7494.2/95

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 241.987+/-0.058 χ^2/NDF: 3369901.5/20

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 237.719+/-0.052 χ^2/NDF: 4253490.7/26

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

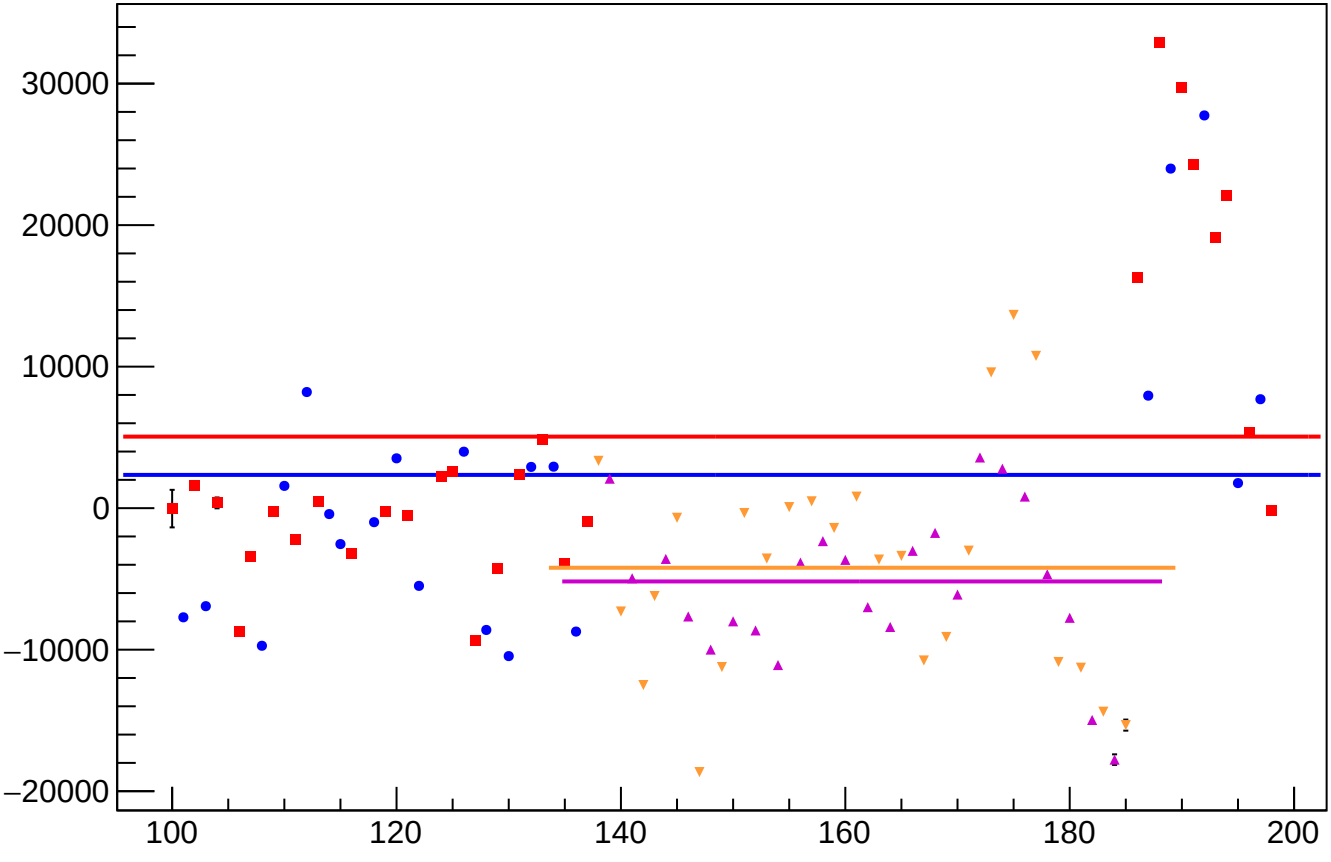
Right: 239.641+/-0.039 χ^2/NDF: 7626387.0/47

In: 229.543+/-0.032 χ^2/NDF:3999276.6/43

Out: 238.028+/-0.031 χ^2/NDF:4821480.4/51

All: 233.847+/-0.022 χ^2/NDF: 8857170.0/95

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 2350.580+/-40.014 χ^2/NDF: 69729.7/20

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5055.616+/-36.445 χ^2/NDF: 102274.1/26

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

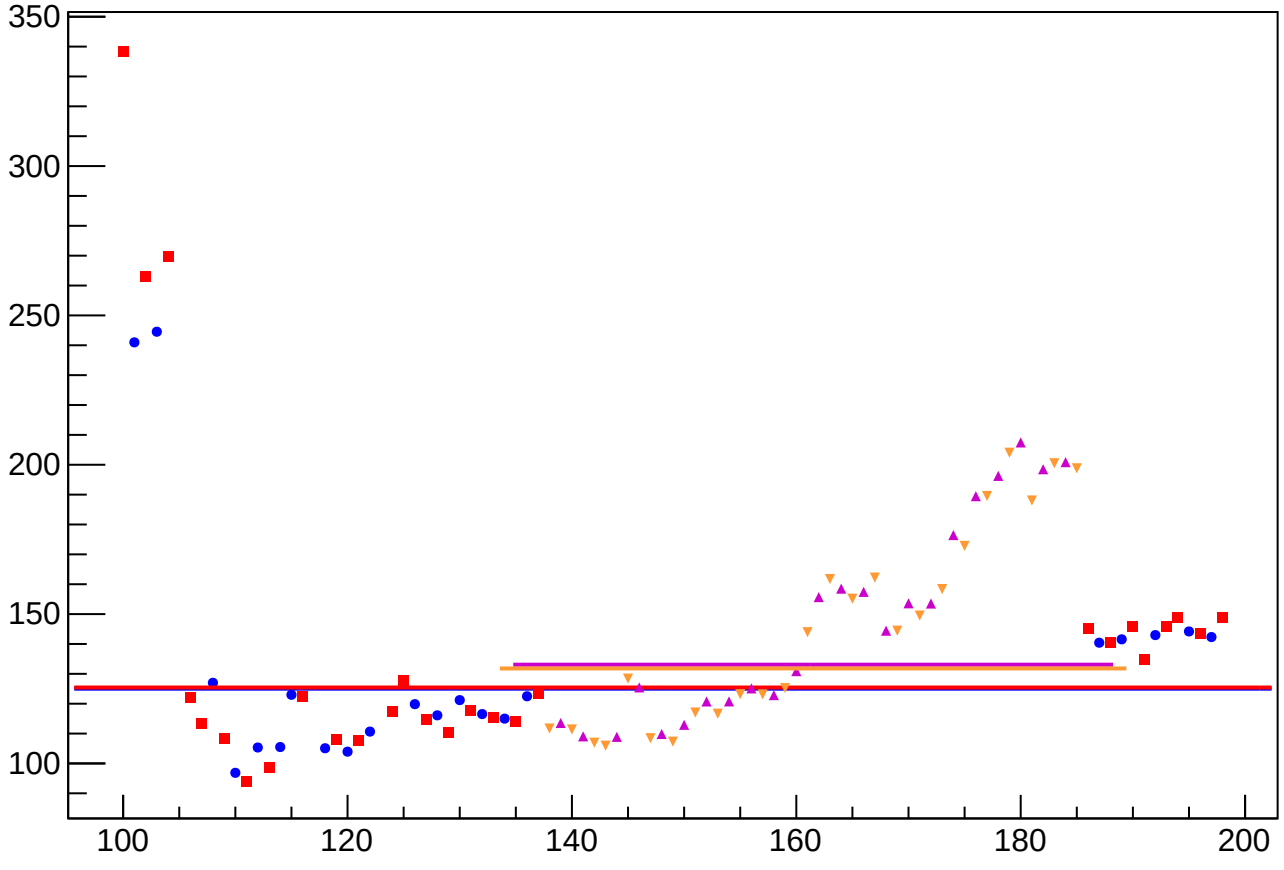
Right: 3829.111+/-26.944 χ^2/NDF: 174501.7/47

In: -2244.878+/-24.977 χ^2/NDF:109879.3/43

Out: -345.766+/-23.537 χ^2/NDF:196758.9/51

All: -1239.012+/-17.130 χ^2/NDF: 309700.3/9

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 125.032+/-0.028 χ^2/NDF: 876943.8/20

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 125.421+/-0.026 χ^2/NDF: 1154871.7/26

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

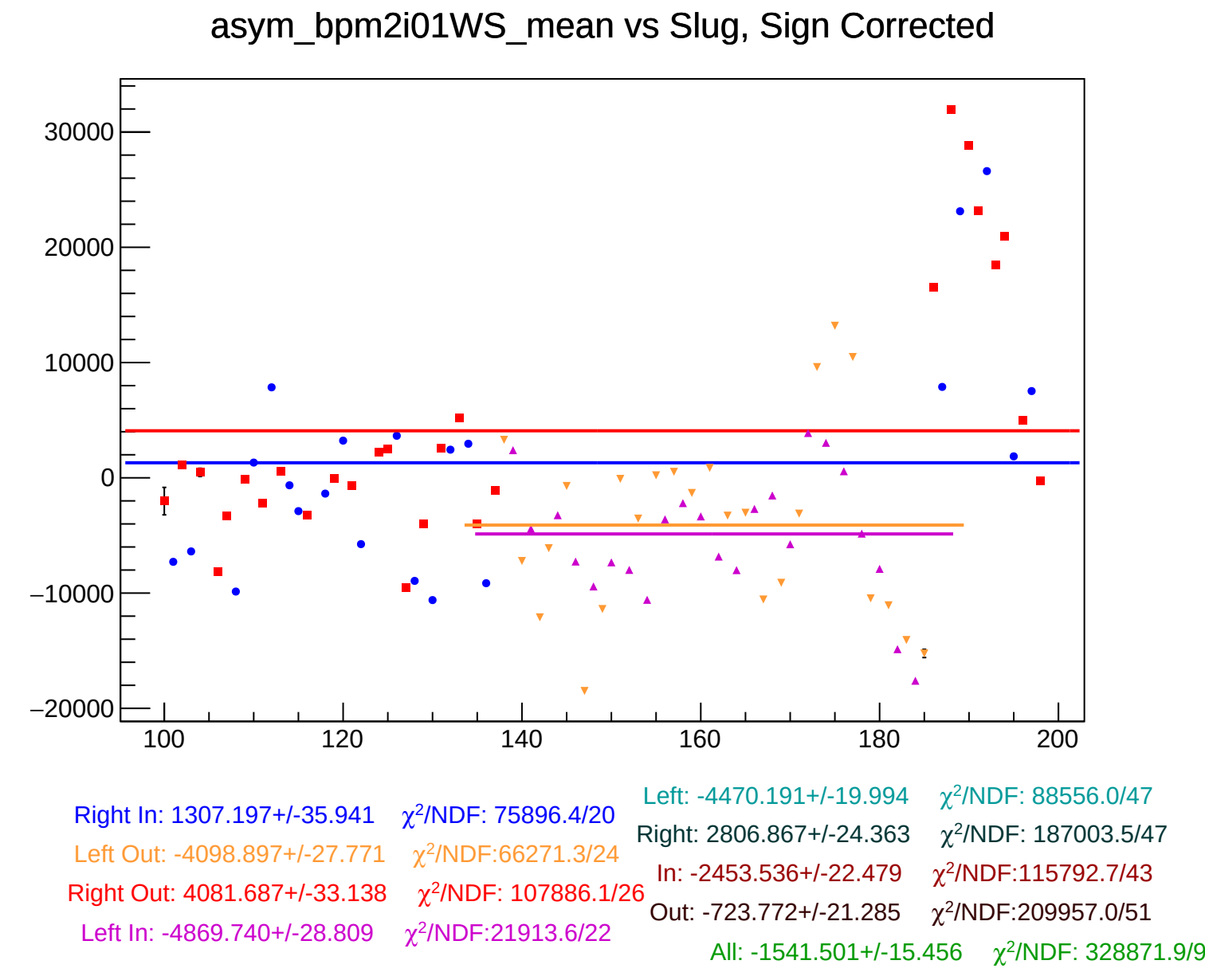
Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

Right: 125.245+/-0.019 χ^2/NDF: 2031918.7/47

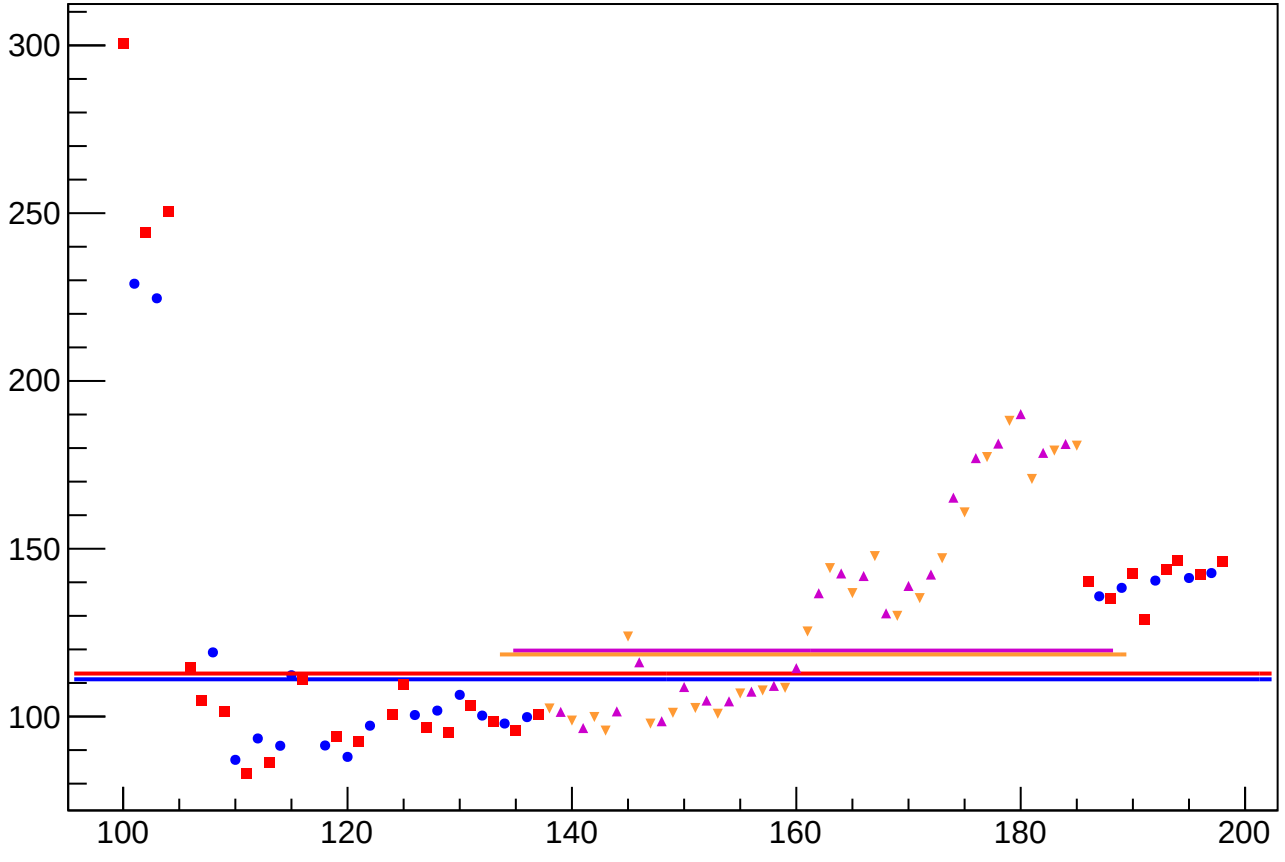
In: 129.933+/-0.018 χ^2/NDF:2344347.8/43

Out: 129.138+/-0.017 χ^2/NDF:2734902.3/51

All: 129.512+/-0.012 χ^2/NDF: 5080323.6/95


asym_bpm2i01WS_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 1307.197+/-35.941 χ²/NDF: 75896.4/20
Left Out: -4098.897+/-27.771 χ²/NDF:66271.3/24
Right Out: 4081.687+/-33.138 χ²/NDF: 107886.1/26
Left In: -4869.740+/-28.809 χ²/NDF:21913.6/22
Left: -4470.191+/-19.994 χ²/NDF: 88556.0/47
Right: 2806.867+/-24.363 χ²/NDF: 187003.5/47
In: -2453.536+/-22.479 χ²/NDF:115792.7/43
Out: -723.772+/-21.285 χ²/NDF:209957.0/51
All: -1541.501+/-15.456 χ²/NDF: 328871.9/9

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 111.095+/-0.025 χ^2/NDF: 1211028.6/20

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 112.809+/-0.023 χ^2/NDF: 1557437.5/26

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

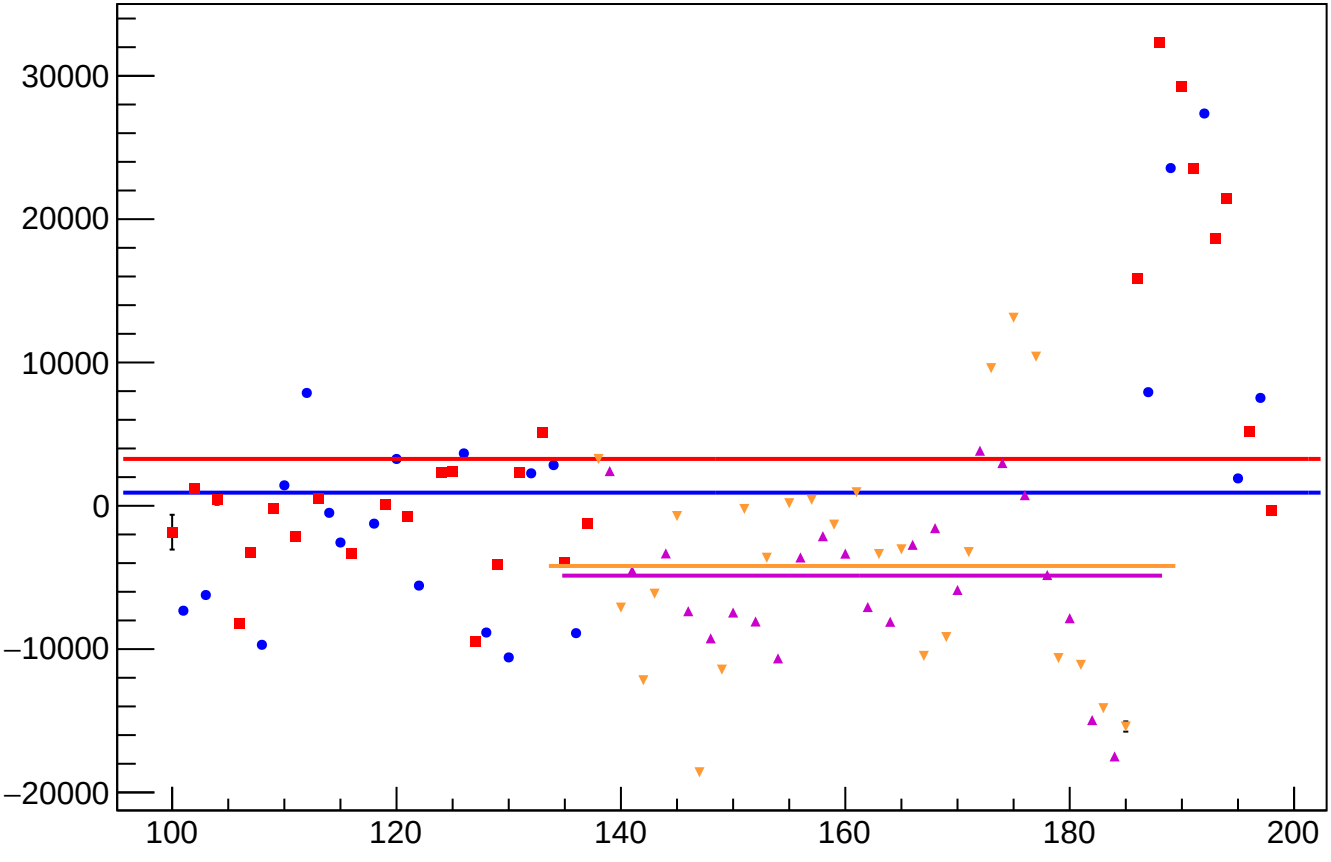
Right: 112.021+/-0.017 χ^2/NDF: 2770924.7/47

In: 116.300+/-0.016 χ^2/NDF:2792322.8/43

Out: 116.153+/-0.015 χ^2/NDF:3219253.3/51

All: 116.223+/-0.011 χ^2/NDF: 6011621.5/95

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 917.309+/-35.017 χ^2/NDF: 74185.8/20

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: 3270.987+/-32.477 χ^2/NDF: 100993.7/26

Left In: -4873.124+/-28.200 χ^2/NDF:22923.8/22

Left: -4523.205+/-19.581 χ^2/NDF: 93636.5/47

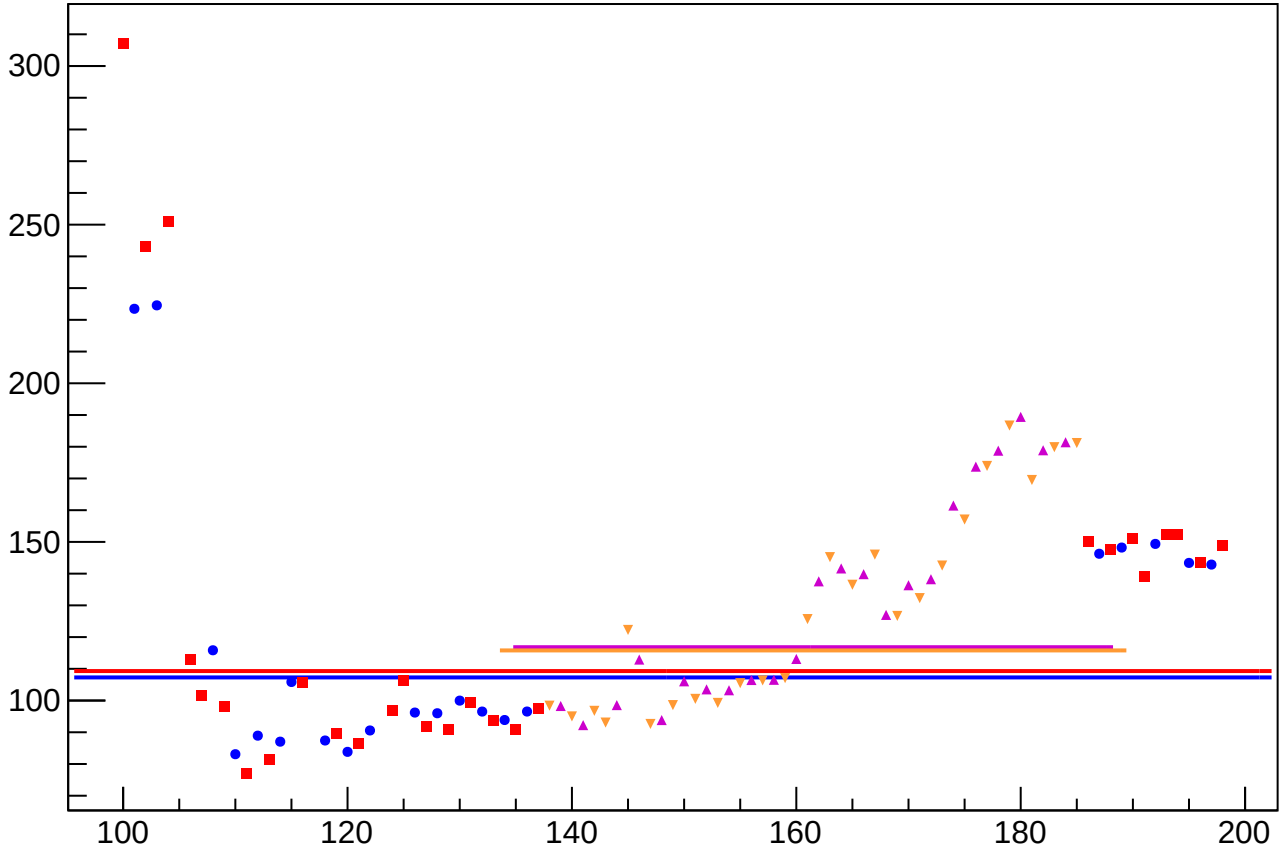
Right: 2182.613+/-23.812 χ^2/NDF: 177608.3/47

In: -2595.107+/-21.963 χ^2/NDF:113696.3/43

Out: -1117.019+/-20.857 χ^2/NDF:202480.1/51

All: -1817.907+/-15.124 χ^2/NDF: 318557.7/9

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 107.286+/-0.025 χ^2/NDF: 1456868.4/20

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 109.292+/-0.023 χ^2/NDF: 2006862.0/26

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

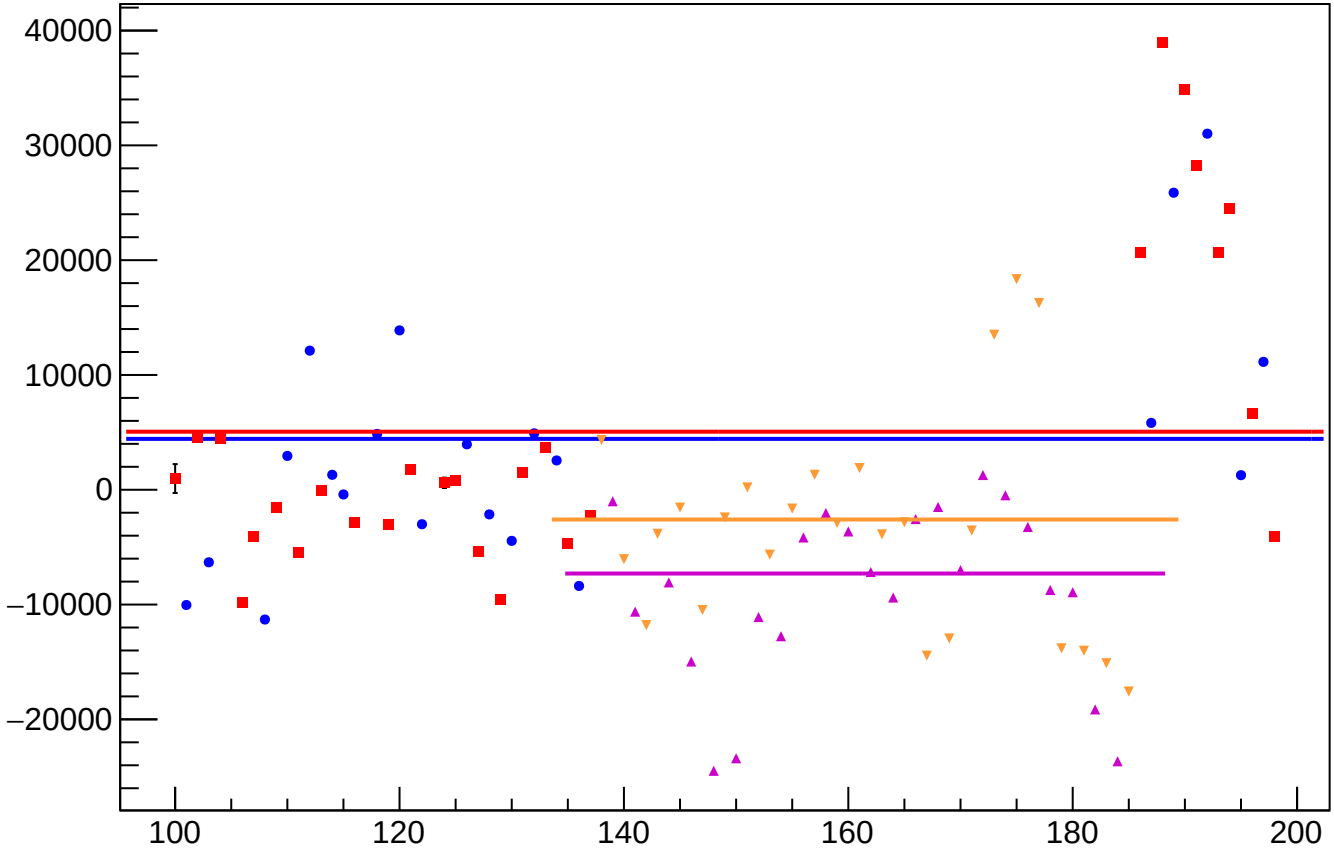
Right: 108.364+/-0.017 χ^2/NDF: 3467257.7/47

In: 113.062+/-0.016 χ^2/NDF:3164225.9/43

Out: 113.114+/-0.015 χ^2/NDF:3803042.5/51

All: 113.090+/-0.011 χ^2/NDF: 6967274.3/95

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 4432.479+/-47.586 χ^2/NDF: 55033.4/20

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: 5058.303+/-43.982 χ^2/NDF: 95638.5/26

Left In: -7296.193+/-39.576 χ^2/NDF:24743.4/22

Left: -4826.123+/-27.275 χ^2/NDF: 80158.0/47

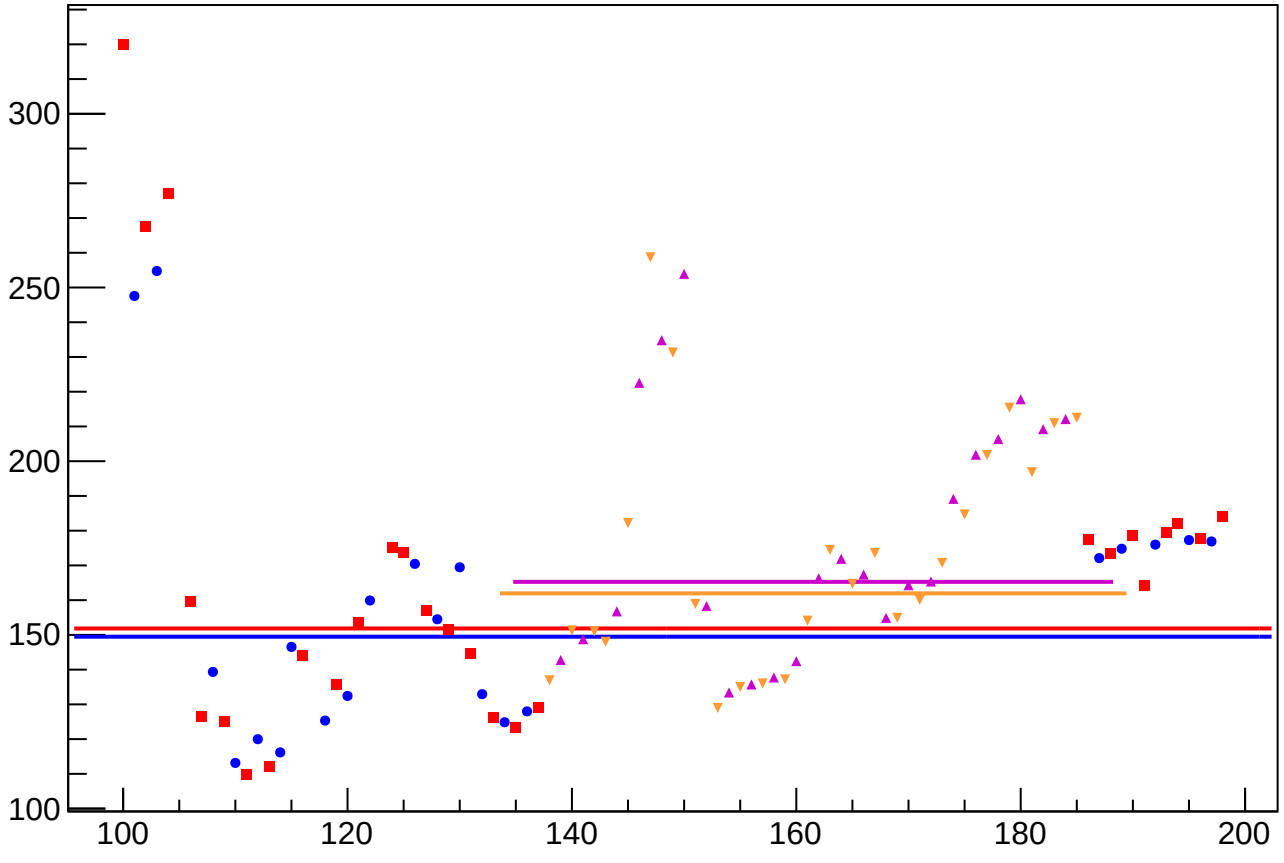
Right: 4769.989+/-32.299 χ^2/NDF: 150765.1/47

In: -2500.742+/-30.428 χ^2/NDF:115687.3/43

Out: 643.014+/-28.599 χ^2/NDF:161093.9/51

All: -831.533+/-20.839 χ^2/NDF: 282449.0/95

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 149.479+/-0.034 χ^2/NDF: 882312.2/20

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 151.850+/-0.031 χ^2/NDF: 1150449.6/26

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

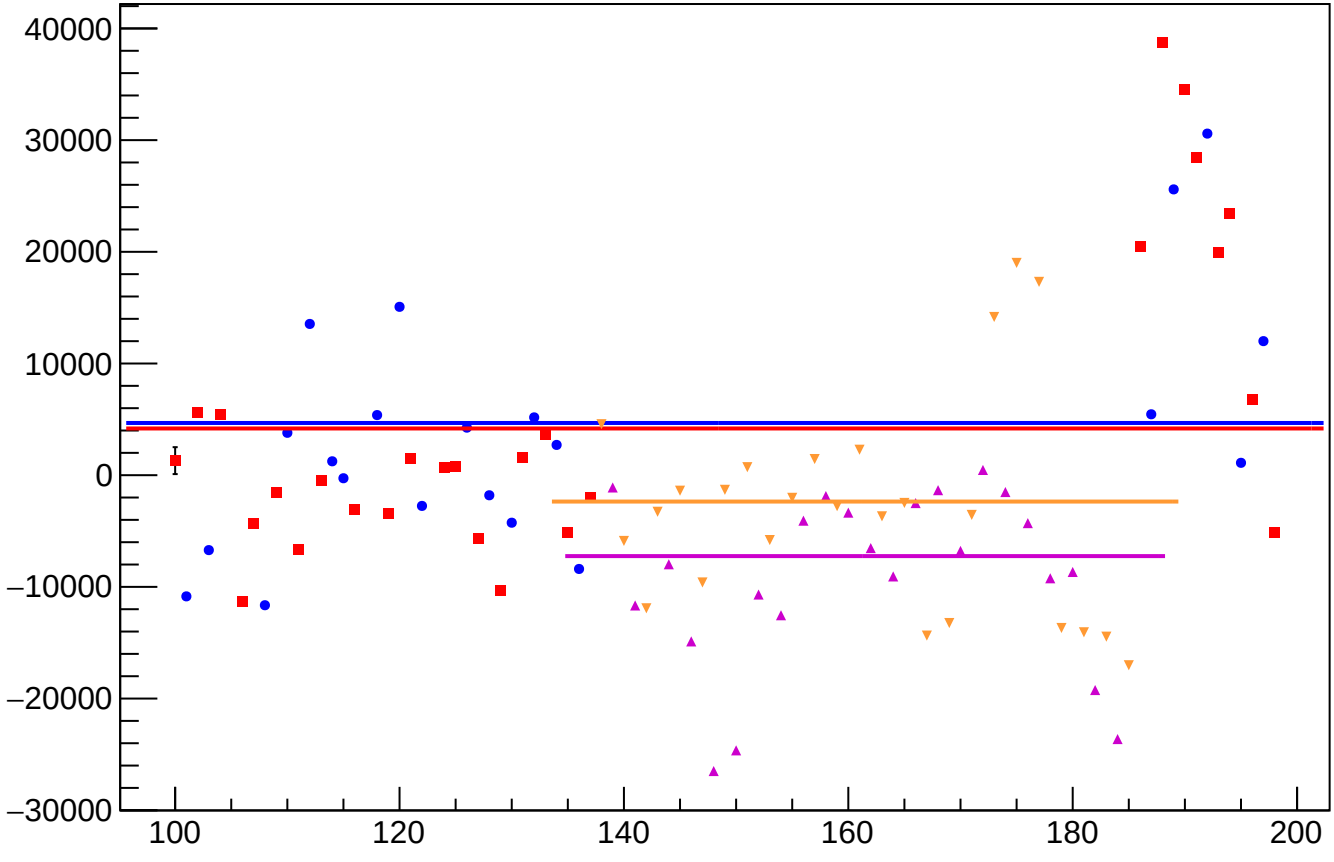
Right: 150.758+/-0.023 χ^2/NDF: 2035437.4/47

In: 158.815+/-0.022 χ^2/NDF:2191625.3/43

Out: 157.683+/-0.020 χ^2/NDF:2356223.0/51

All: 158.214+/-0.015 χ^2/NDF: 4549317.8/95

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 4675.540+/-40.194 χ^2/NDF: 76264.0/20

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: 4182.580+/-36.929 χ^2/NDF: 132356.5/26

Left In: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

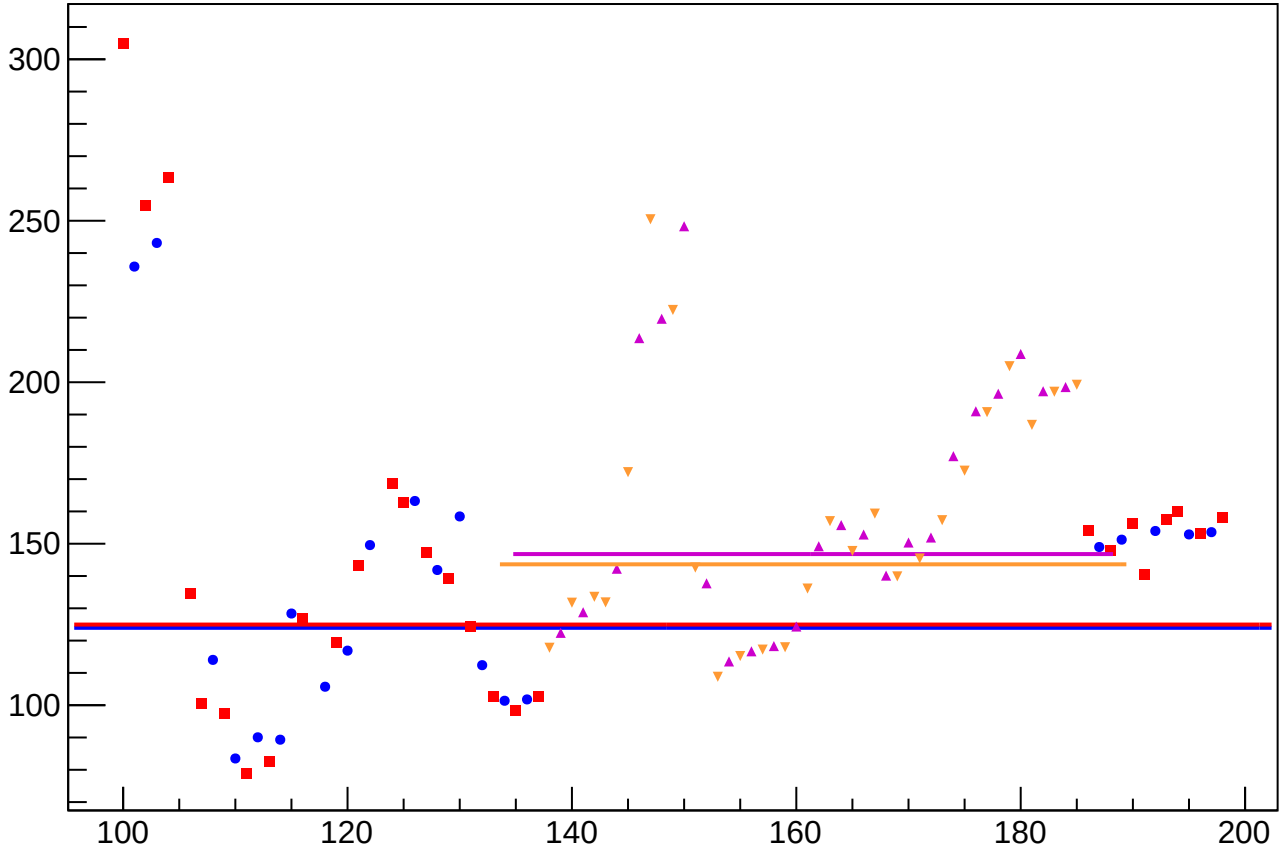
Right: 4408.232+/-27.194 χ^2/NDF: 208702.1/47

In: -2019.769+/-26.611 χ^2/NDF:156113.4/43

Out: 610.449+/-24.885 χ^2/NDF:208061.8/51

All: -616.612+/-18.176 χ^2/NDF: 369386.9/95

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 123.964+/-0.028 χ^2/NDF: 1429754.0/20

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 124.968+/-0.026 χ^2/NDF: 1885195.7/26

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

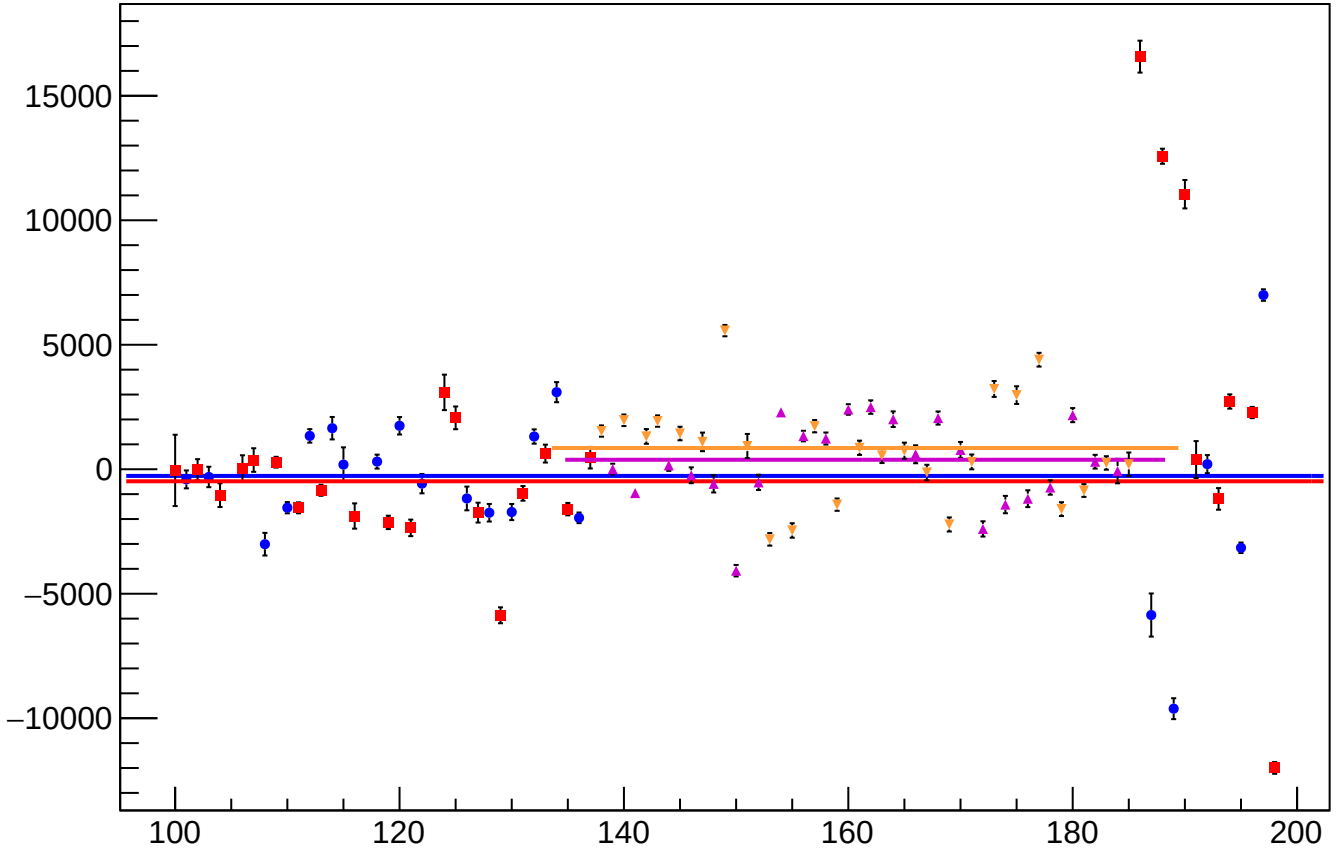
Right: 124.508+/-0.019 χ^2/NDF: 3315625.6/47

In: 136.787+/-0.019 χ^2/NDF:3486668.1/43

Out: 135.151+/-0.018 χ^2/NDF:3826626.9/51

All: 135.914+/-0.013 χ^2/NDF: 7317323.7/95

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -268.079+/-70.009 χ^2/NDF: 2070.4/20

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: -483.575+/-63.963 χ^2/NDF: 6146.6/26

Left In: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

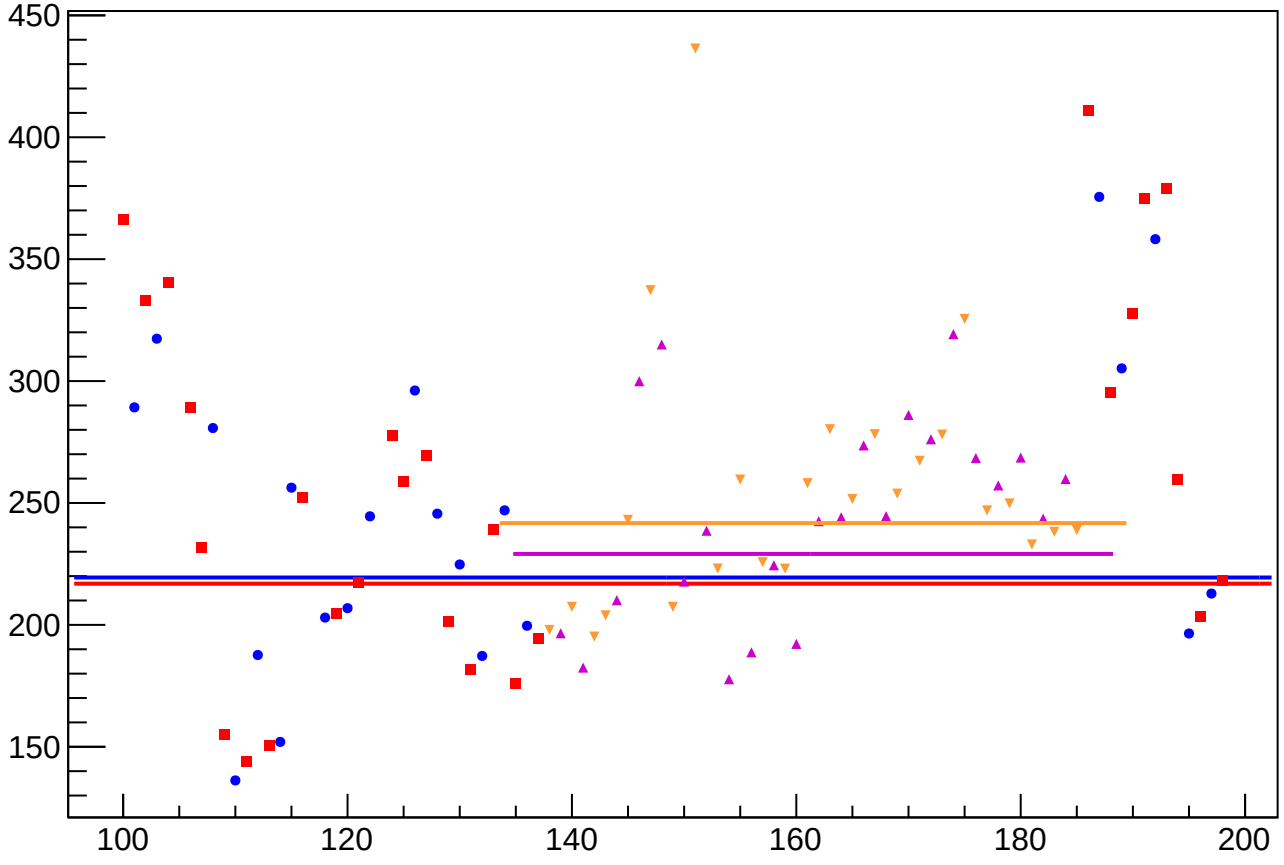
Right: -385.533+/-47.222 χ^2/NDF: 8222.2/47

In: 132.448+/-43.315 χ^2/NDF:3105.8/43

Out: 270.792+/-42.234 χ^2/NDF:7837.1/51

All: 203.368+/-30.239 χ^2/NDF: 10948.2/95

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 219.431+/-0.050 χ^2/NDF: 1171043.5/20

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 216.897+/-0.045 χ^2/NDF: 1901140.4/26

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

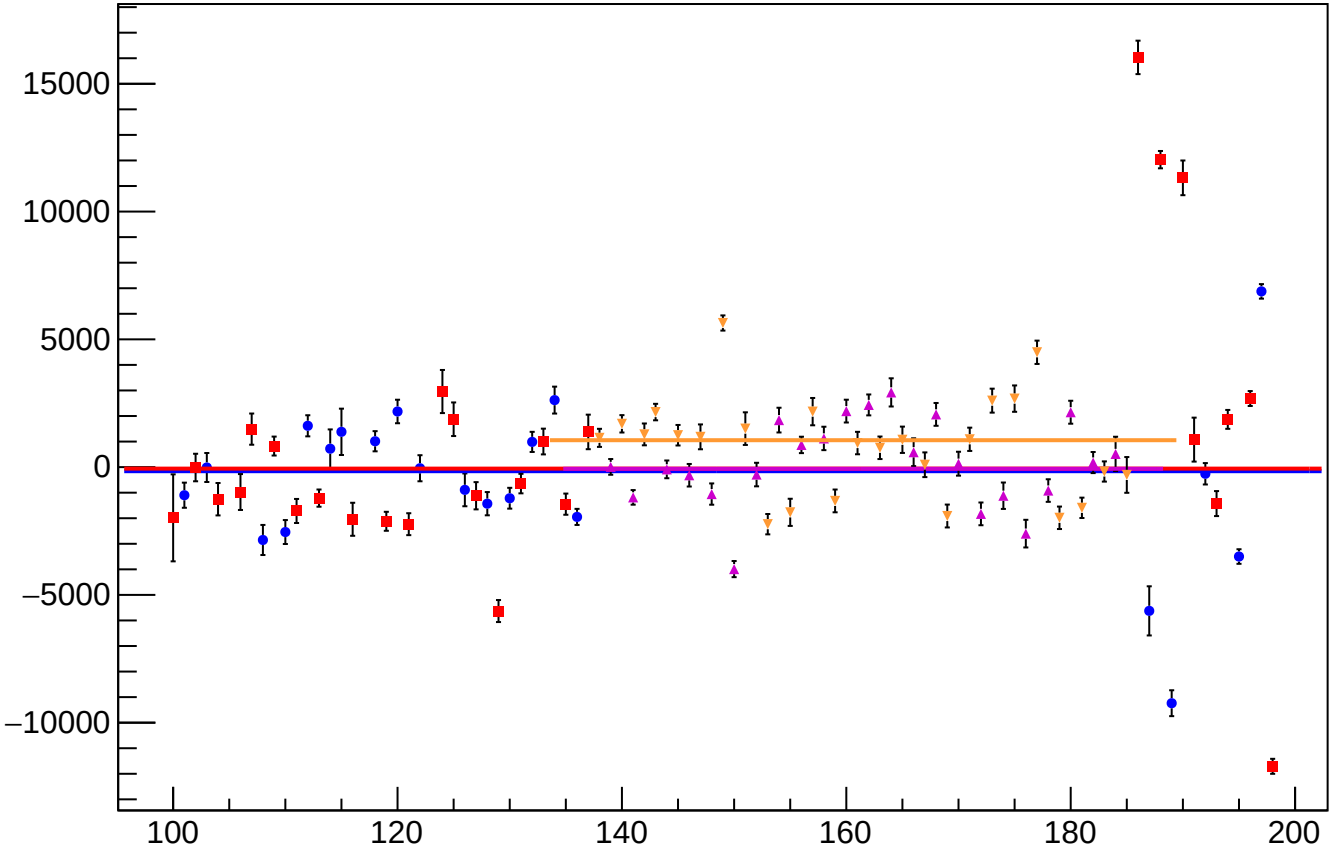
Right: 218.050+/-0.033 χ^2/NDF: 3073610.9/47

In: 225.401+/-0.031 χ^2/NDF:2263567.8/43

Out: 230.912+/-0.030 χ^2/NDF:3057770.3/51

All: 228.226+/-0.021 χ^2/NDF: 5337939.5/95

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -159.476+/-96.521 χ^2/NDF: 1296.3/20

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: -58.513+/-88.532 χ^2/NDF: 4185.2/26

Left In: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

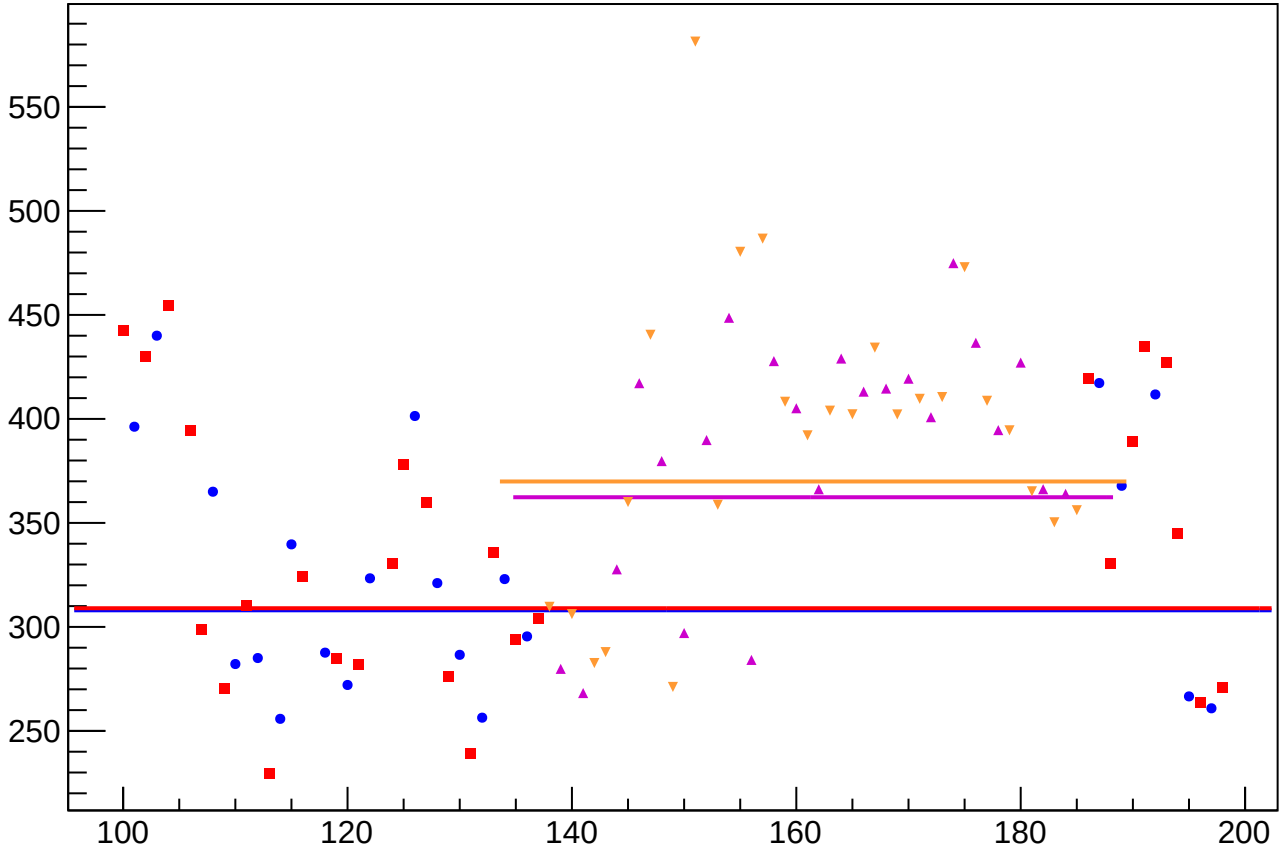
Right: -104.644+/-65.243 χ^2/NDF: 5482.1/47

In: -106.971+/-64.483 χ^2/NDF:1691.2/43

Out: 514.221+/-61.648 χ^2/NDF:4881.1/51

All: 217.580+/-44.560 χ^2/NDF: 6620.8/95

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 307.989+/-0.068 χ^2/NDF: 597766.1/20

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 308.980+/-0.063 χ^2/NDF: 882085.1/26

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

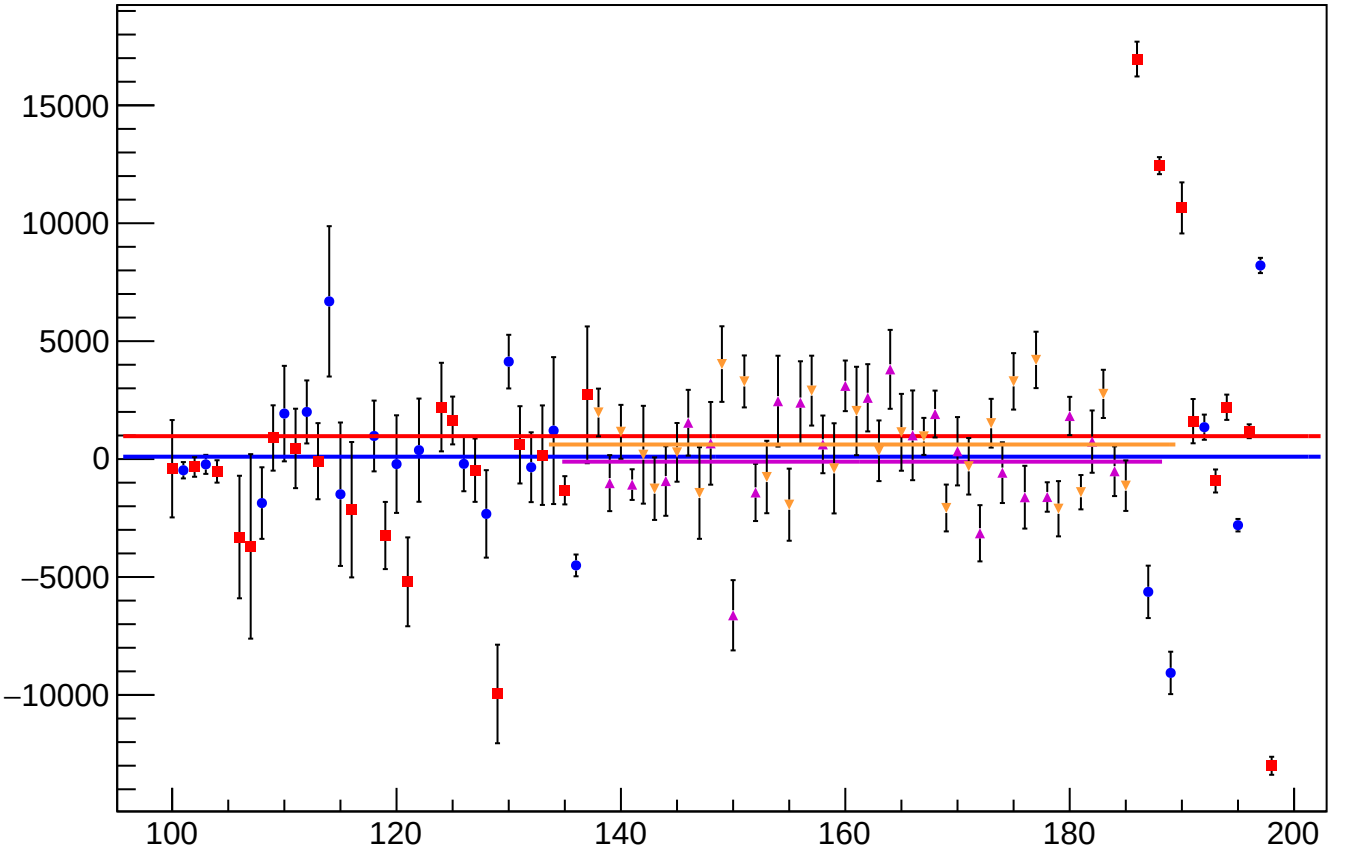
Right: 308.527+/-0.046 χ^2/NDF: 1479965.9/47

In: 338.082+/-0.046 χ^2/NDF:2002302.1/43

Out: 340.373+/-0.044 χ^2/NDF:2600567.6/51

All: 339.279+/-0.032 χ^2/NDF: 4604188.1/95

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 101.569+/-137.042 χ^2/NDF: 1013.3/20

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: 972.176+/-133.601 χ^2/NDF: 3006.7/26

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

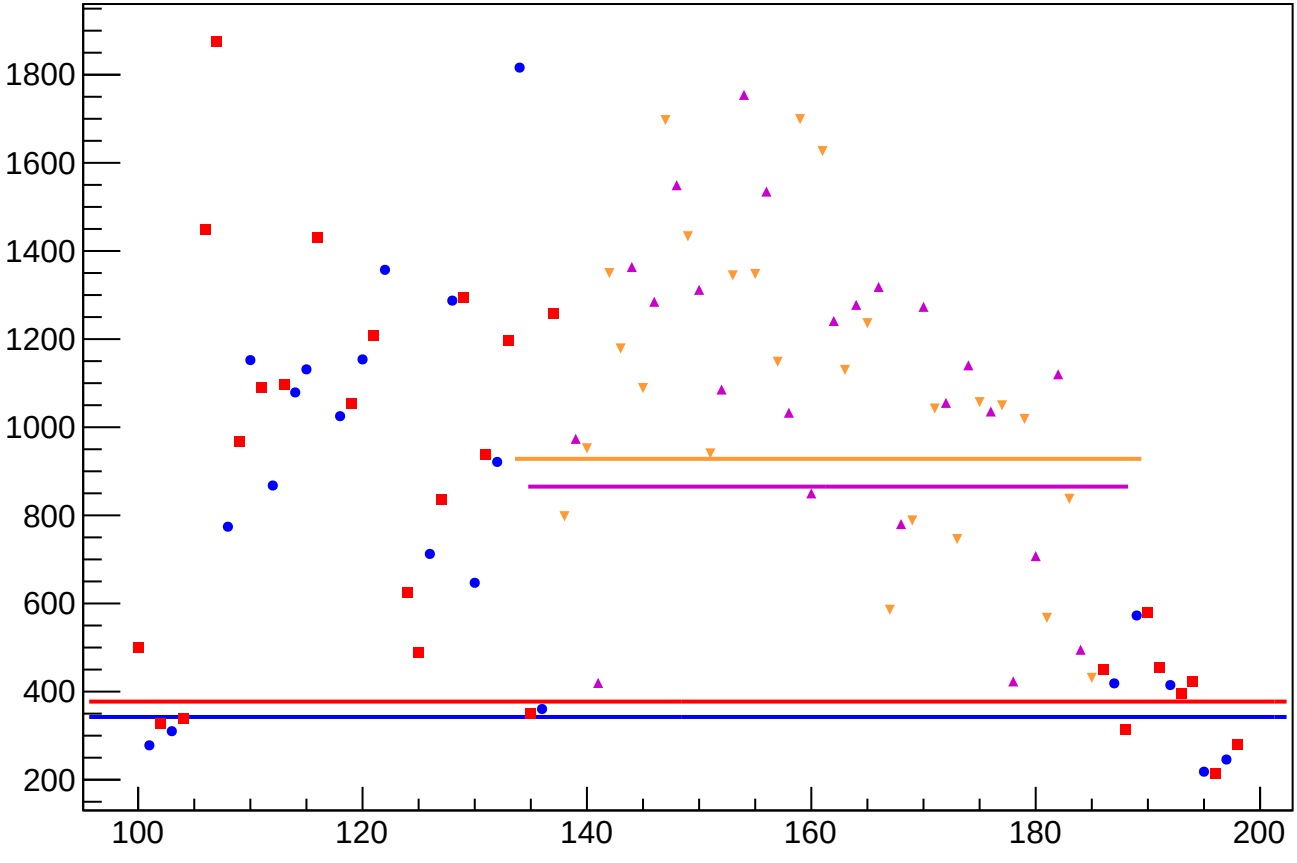
Right: 547.940+/-95.663 χ^2/NDF: 4040.8/47

In: 48.952+/-118.740 χ^2/NDF:1085.6/43

Out: 887.523+/-116.518 χ^2/NDF:3074.1/51

All: 476.154+/-83.165 χ^2/NDF: 4185.2/95

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 342.413+/-0.097 χ^2/NDF: 4684426.7/20

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 377.340+/-0.094 χ^2/NDF: 5247369.0/26

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

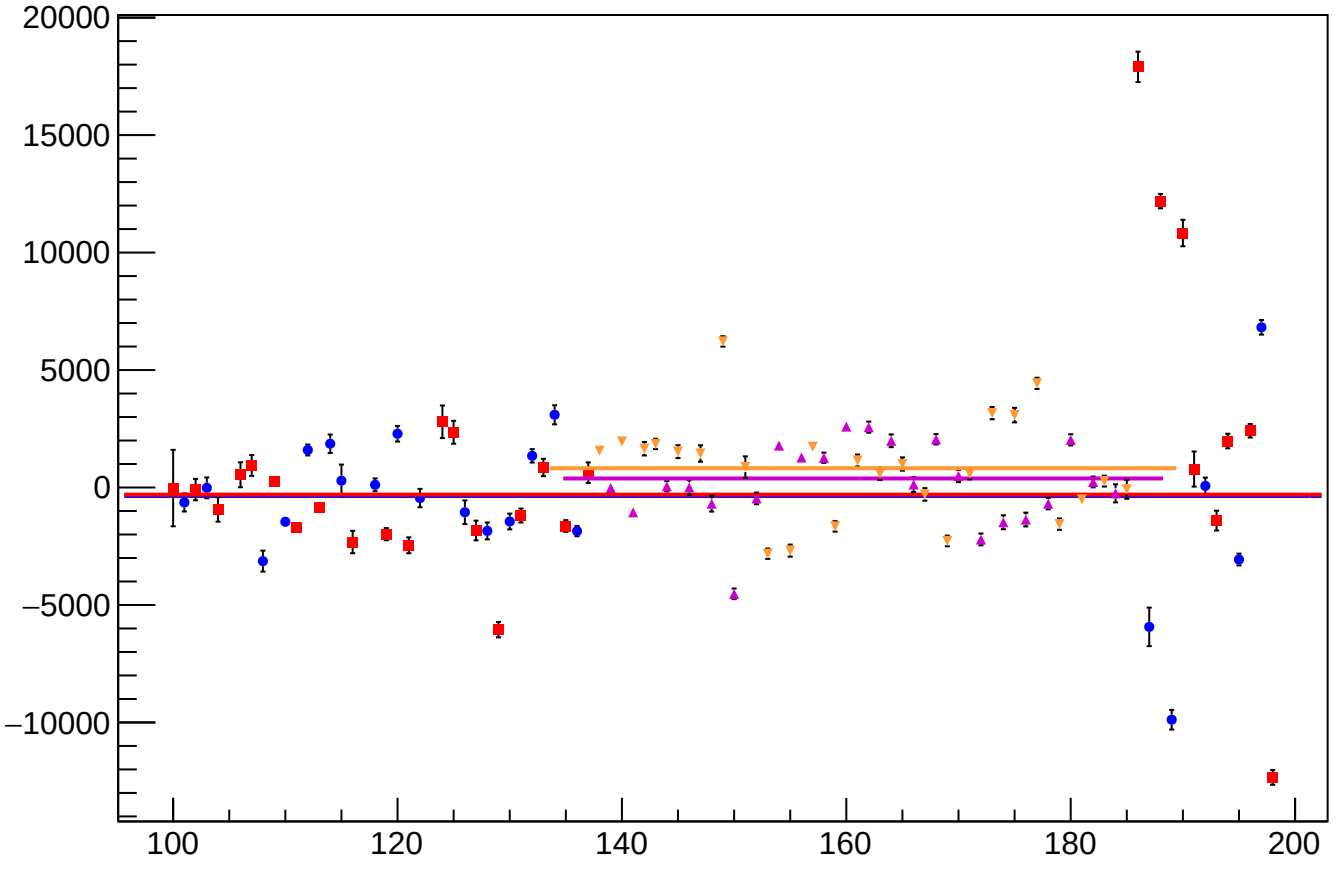
Right: 360.320+/-0.068 χ^2/NDF: 9998401.9/47

In: 472.733+/-0.084 χ^2/NDF:16732804.5/43

Out: 509.214+/-0.082 χ^2/NDF:16682429.3/51

All: 491.318+/-0.059 χ^2/NDF: 33511408.1/95

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -358.643+/-71.054 χ^2/NDF: 1637.4/20

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: -303.266+/-64.086 χ^2/NDF: 5056.5/26

Left In: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

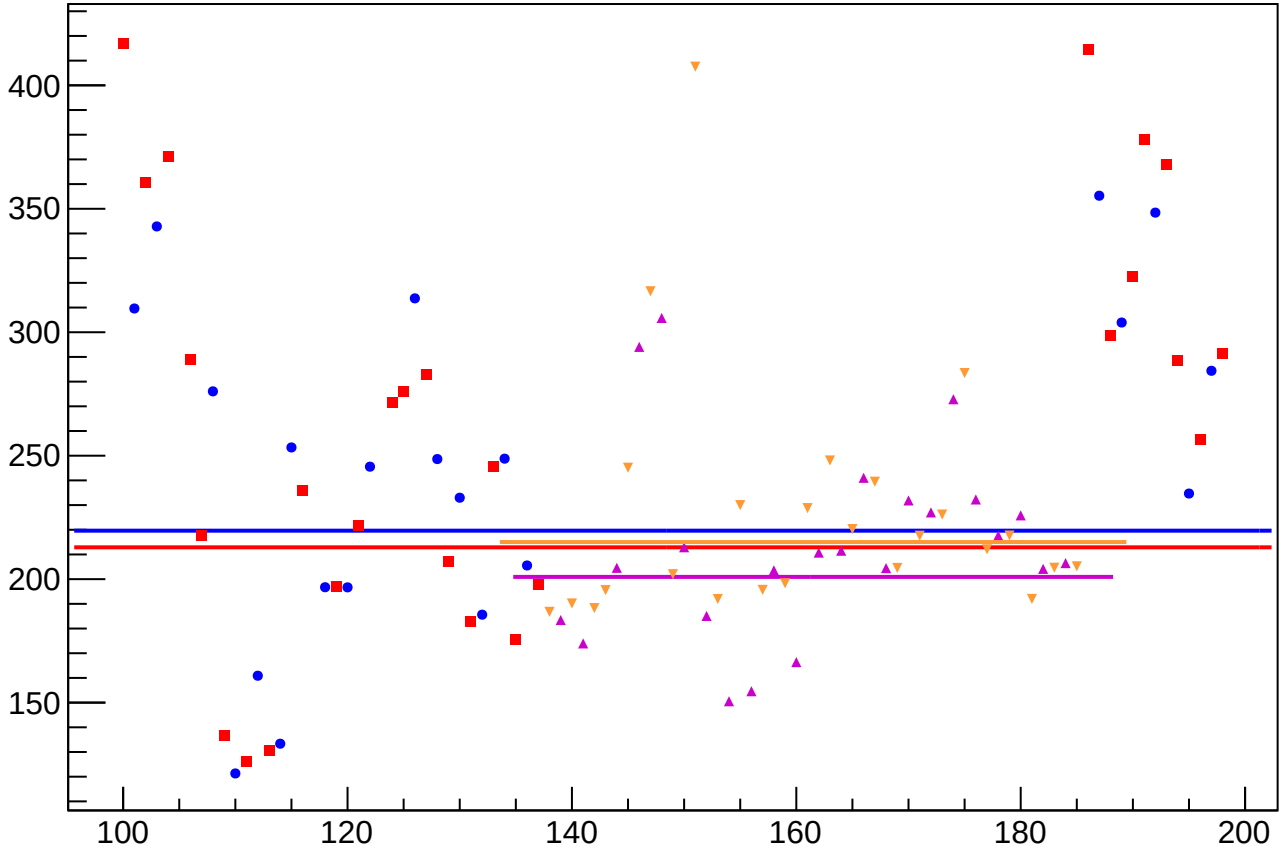
Right: -328.107+/-47.589 χ^2/NDF: 6694.2/47

In: 148.951+/-40.032 χ^2/NDF:2965.4/43

Out: 395.522+/-39.419 χ^2/NDF:7238.5/51

All: 274.138+/-28.088 χ^2/NDF: 10223.2/95

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 219.634+/-0.050 χ^2/NDF: 1653528.0/20

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 212.891+/-0.045 χ^2/NDF: 2834516.4/26

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

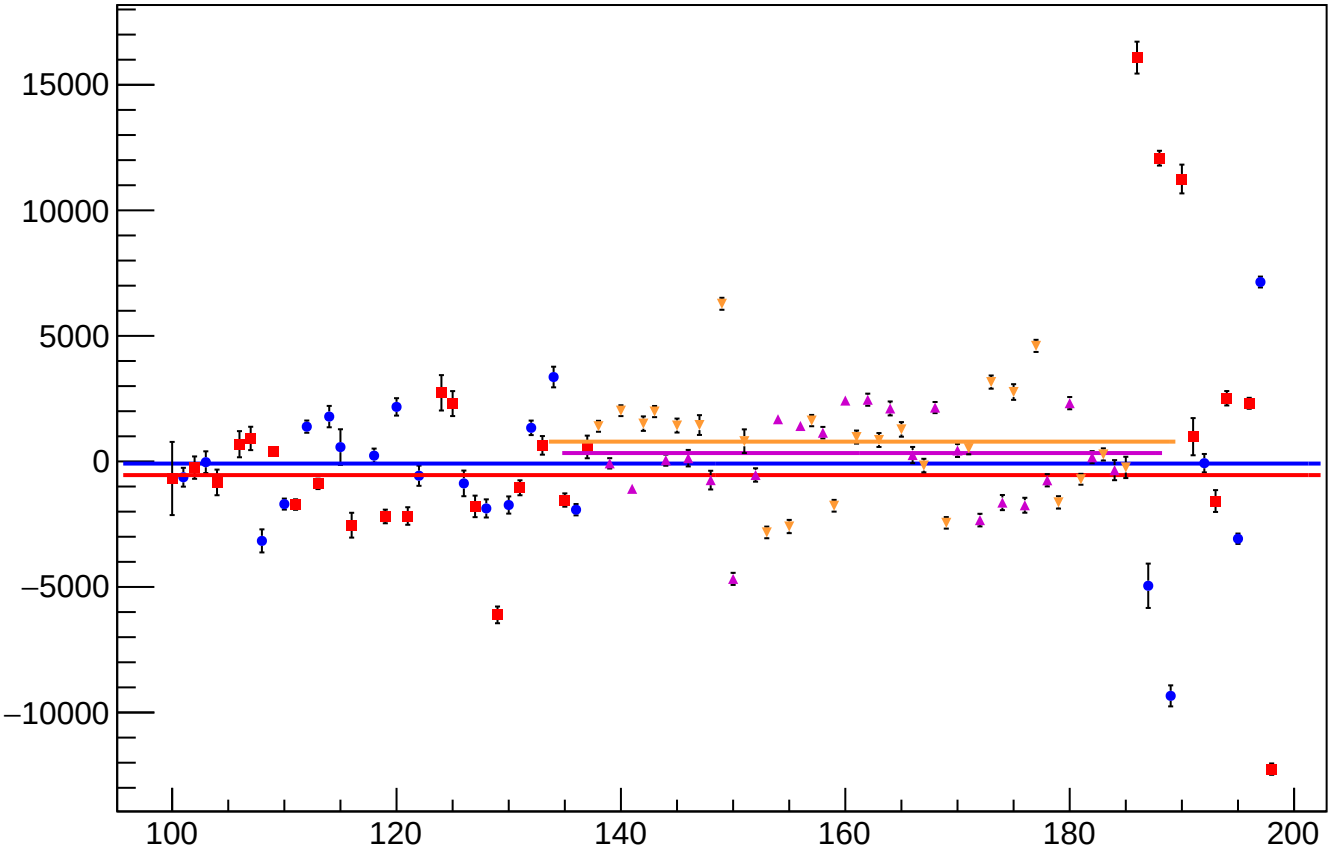
Right: 215.916+/-0.034 χ^2/NDF: 4497977.3/47

In: 206.858+/-0.028 χ^2/NDF:2854097.7/43

Out: 214.219+/-0.028 χ^2/NDF:3733689.2/51

All: 210.595+/-0.020 χ^2/NDF: 6622113.7/95

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -85.518+/-69.656 χ^2/NDF: 2254.6/20

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: -544.651+/-63.221 χ^2/NDF: 6444.6/26

Left In: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

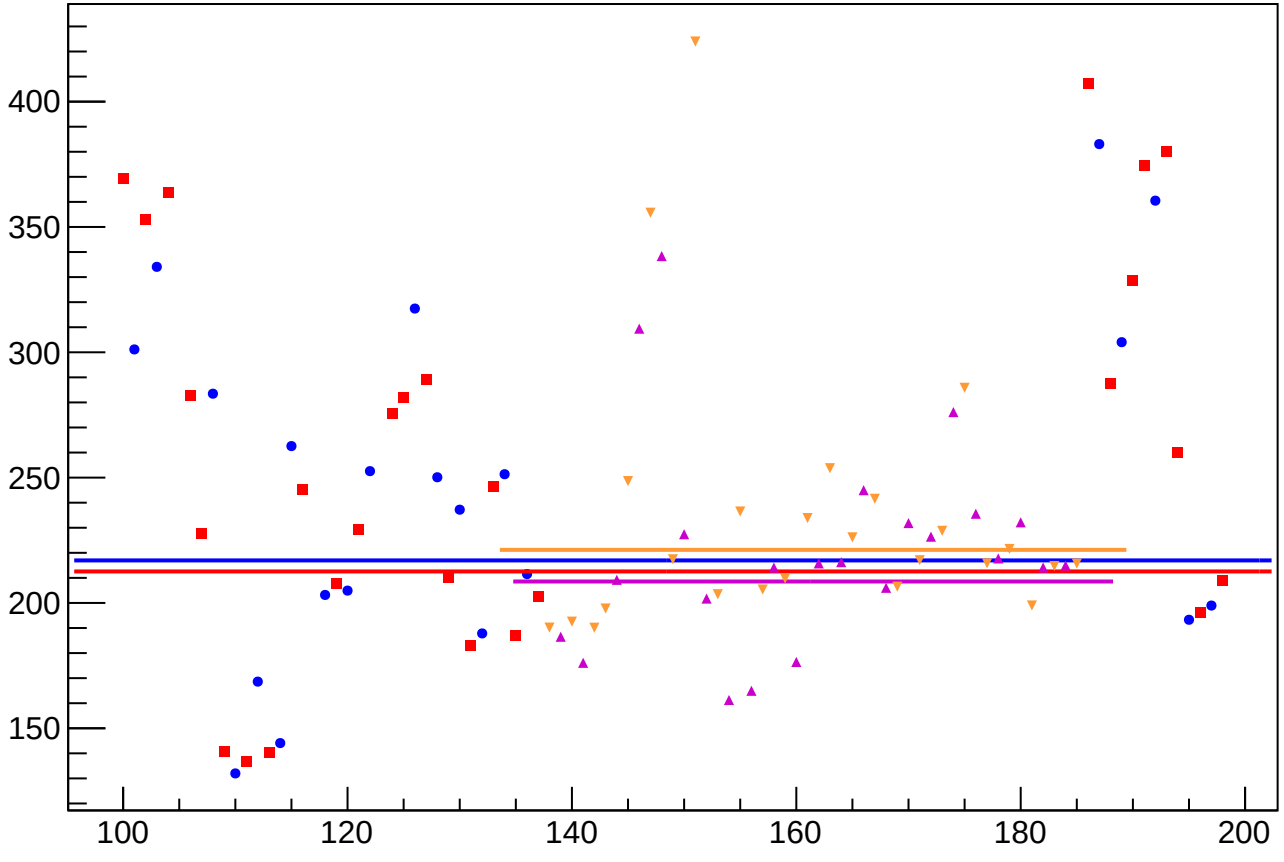
Right: -337.267+/-46.814 χ^2/NDF: 8723.0/47

In: 190.155+/-40.723 χ^2/NDF:3493.6/43

Out: 257.429+/-39.893 χ^2/NDF:8602.2/51

All: 224.484+/-28.498 χ^2/NDF: 12097.2/95

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 216.971+/-0.049 χ^2/NDF: 1398058.8/20

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 212.569+/-0.045 χ^2/NDF: 2247558.3/26

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

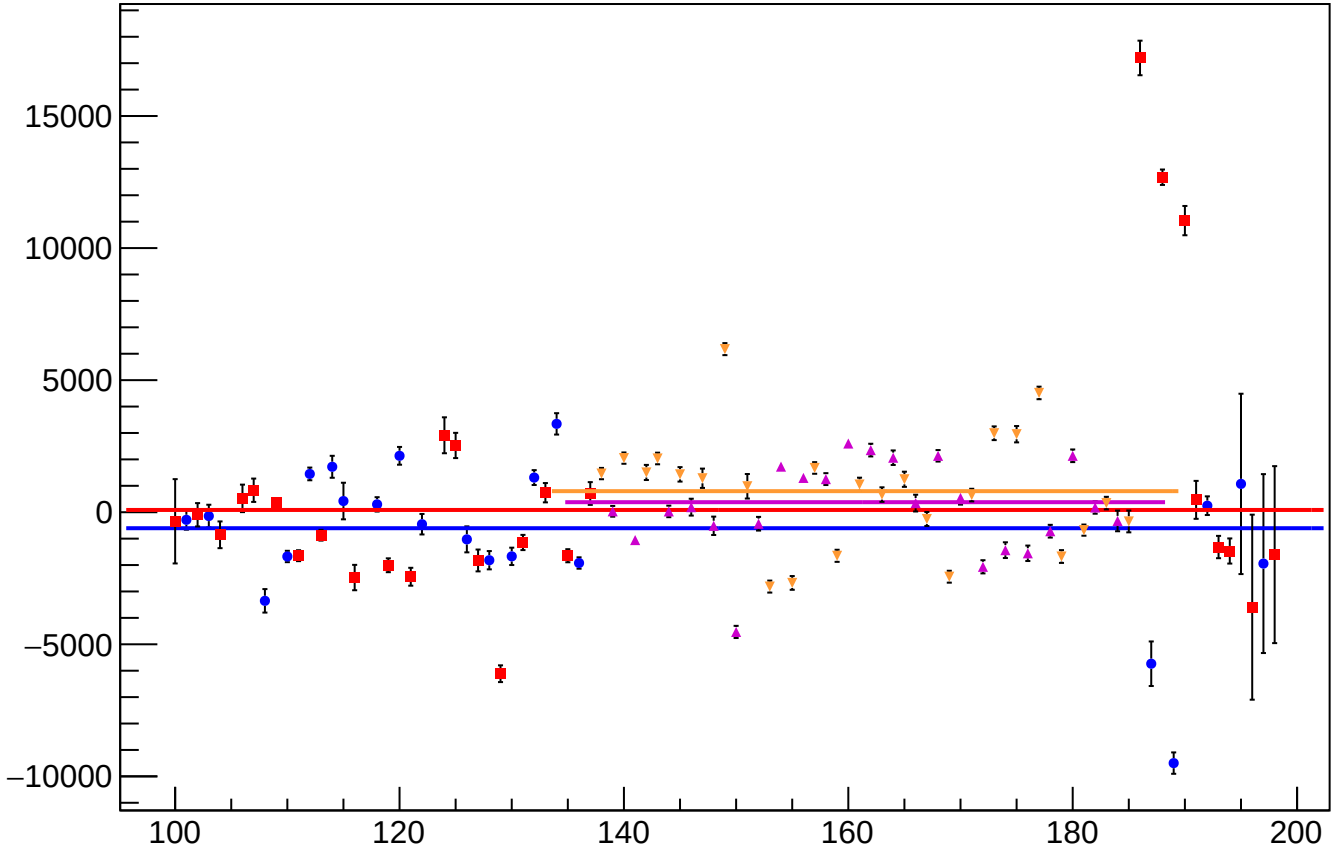
Right: 214.557+/-0.033 χ^2/NDF: 3649995.9/47

In: 211.432+/-0.029 χ^2/NDF:2452906.5/43

Out: 217.754+/-0.028 χ^2/NDF:3209435.5/51

All: 214.658+/-0.020 χ^2/NDF: 5686941.3/95

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -605.446+/-76.455 χ^2/NDF: 976.9/20

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: 85.695+/-68.157 χ^2/NDF: 3731.5/26

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

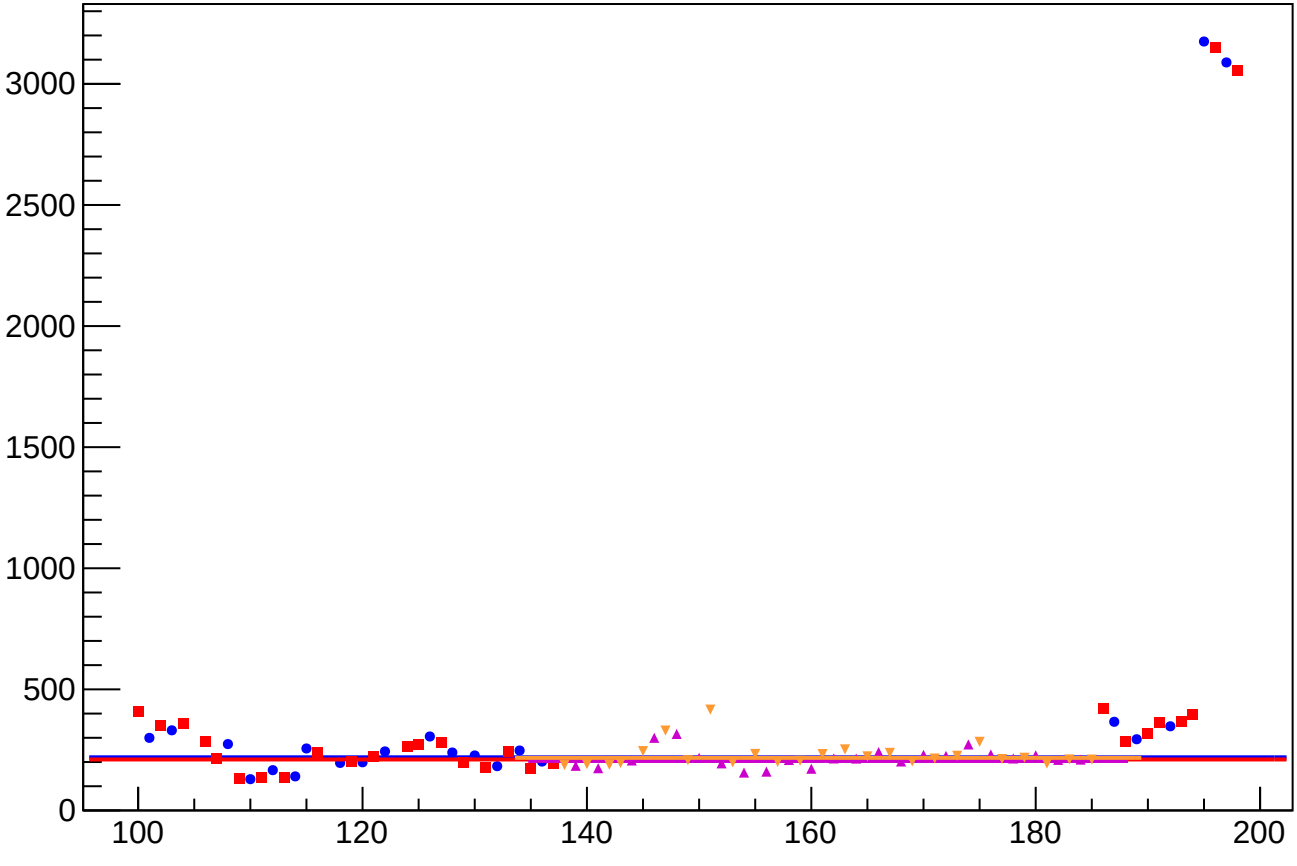
Right: -220.348+/-50.876 χ^2/NDF: 4753.9/47

In: 91.260+/-41.364 χ^2/NDF:2295.5/43

Out: 545.243+/-40.573 χ^2/NDF:5762.7/51

All: 322.630+/-28.965 χ^2/NDF: 8119.6/95

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 219.441+/-0.054 χ^2/NDF: 4264978.2/20

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 210.498+/-0.048 χ^2/NDF: 5465309.5/26

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

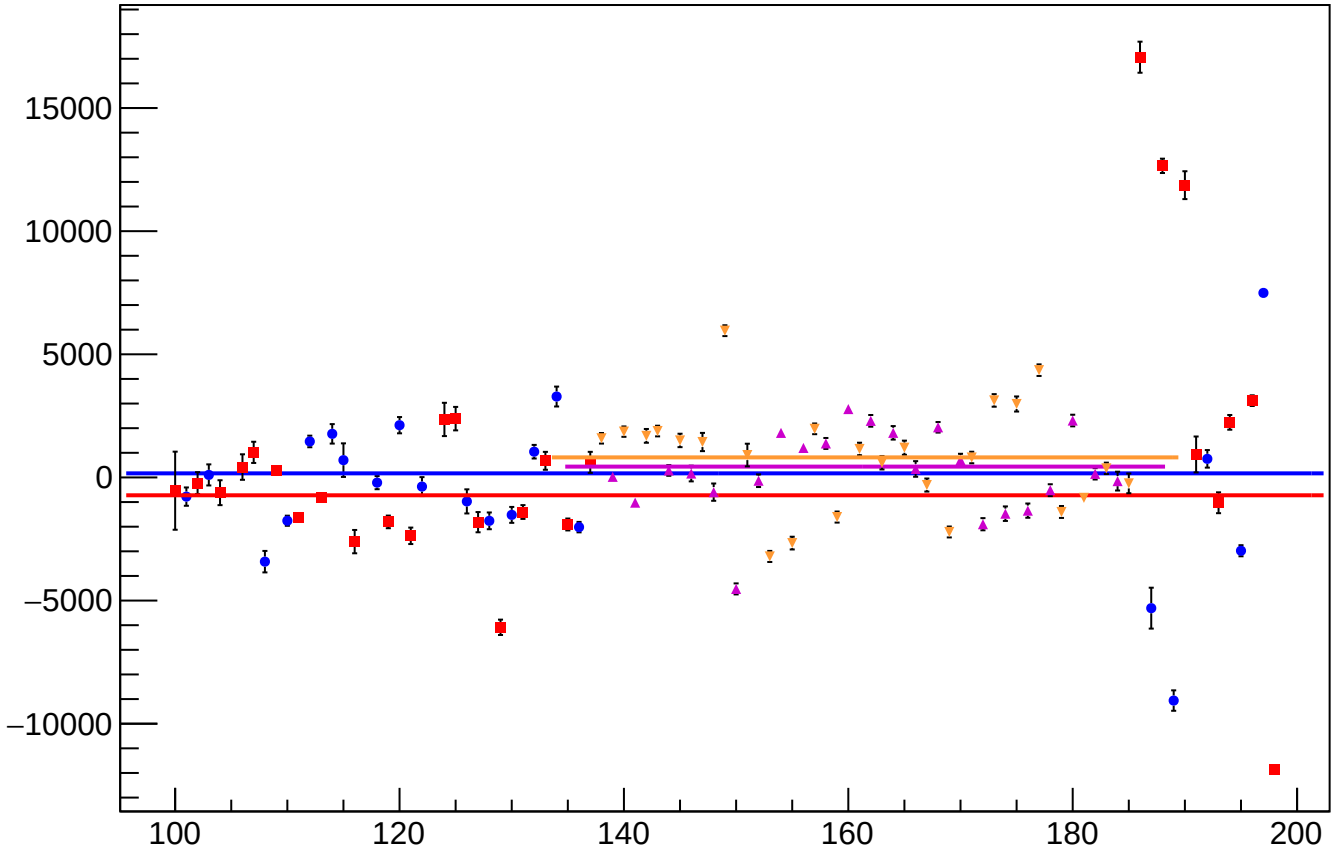
Right: 214.458+/-0.036 χ^2/NDF: 9745534.7/47

In: 208.737+/-0.029 χ^2/NDF:5335443.8/43

Out: 214.841+/-0.029 χ^2/NDF:6388332.5/51

All: 211.848+/-0.020 χ^2/NDF: 11745967.9/95

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 165.815+/-66.751 χ^2/NDF: 2704.4/20

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: -724.802+/-59.901 χ^2/NDF: 7587.0/26

Left In: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

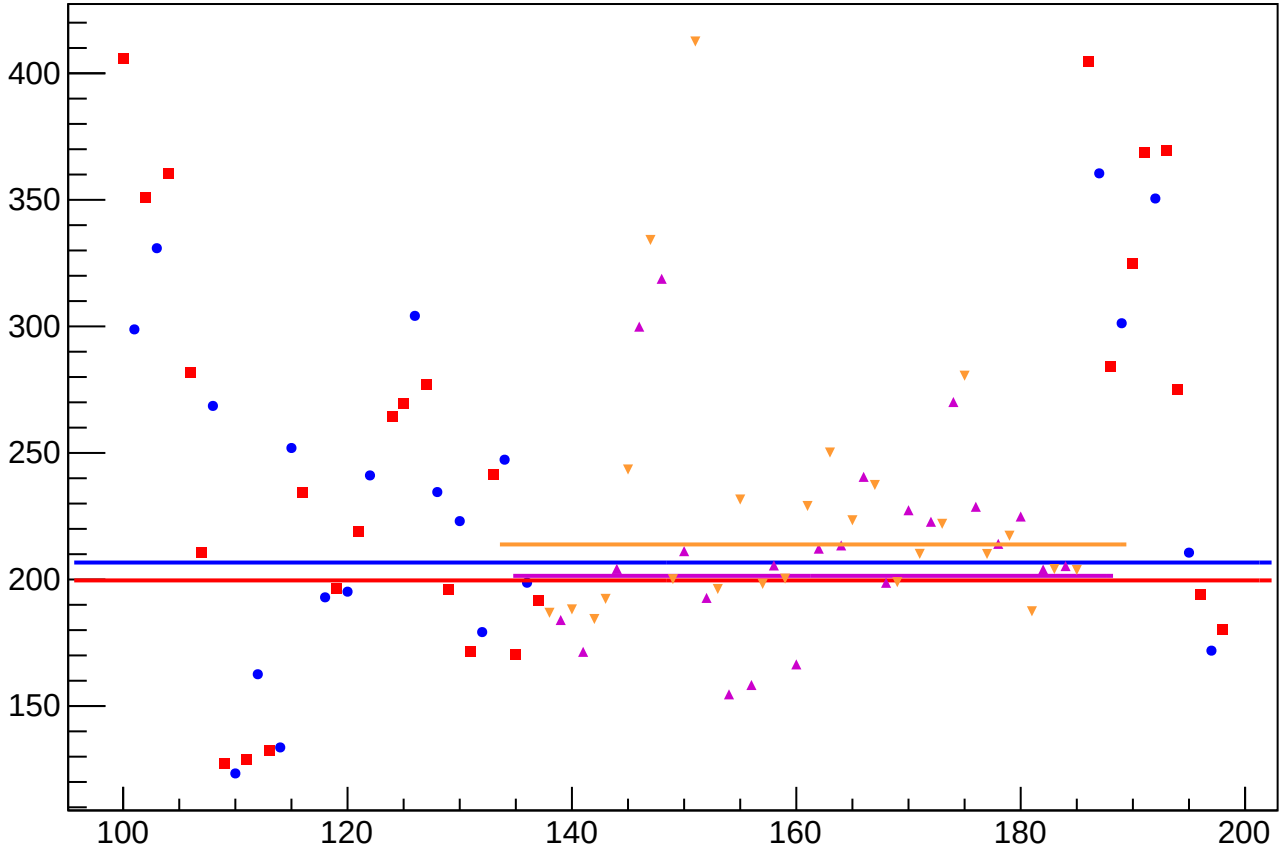
Right: -327.524+/-44.582 χ^2/NDF: 10390.0/47

In: 344.960+/-39.255 χ^2/NDF:3950.4/43

Out: 185.855+/-38.276 χ^2/NDF:9978.0/51

All: 263.398+/-27.405 χ^2/NDF: 13936.8/95

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 206.703+/-0.047 χ^2/NDF: 1537423.0/20

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 199.638+/-0.042 χ^2/NDF: 2619470.1/26

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

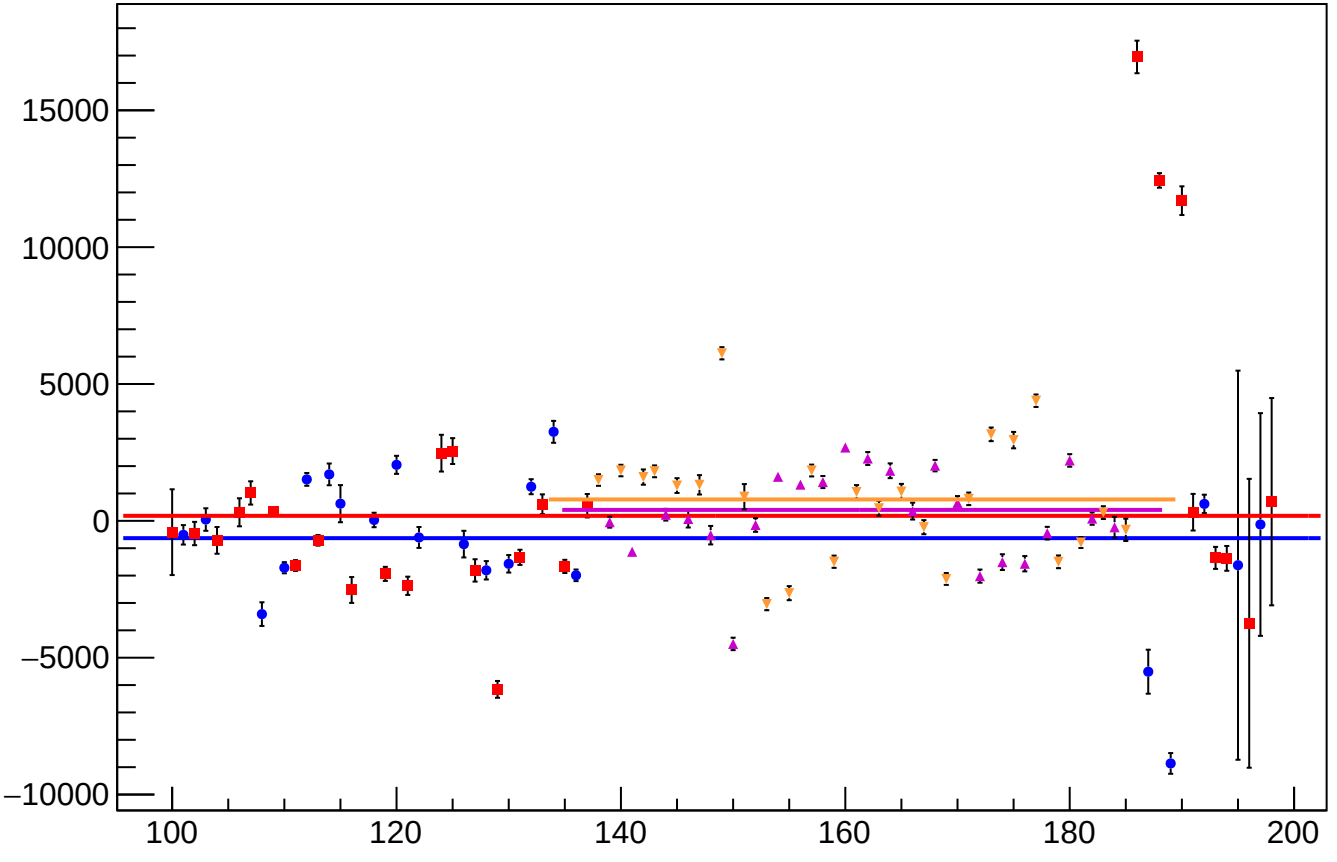
Right: 202.789+/-0.032 χ^2/NDF: 4169303.9/47

In: 203.264+/-0.028 χ^2/NDF:2607511.2/43

Out: 208.046+/-0.027 χ^2/NDF:3649650.7/51

All: 205.715+/-0.019 χ^2/NDF: 6272377.4/95

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -632.143+/-74.049 χ^2/NDF: 992.5/20

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: 183.652+/-65.466 χ^2/NDF: 4272.5/26

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

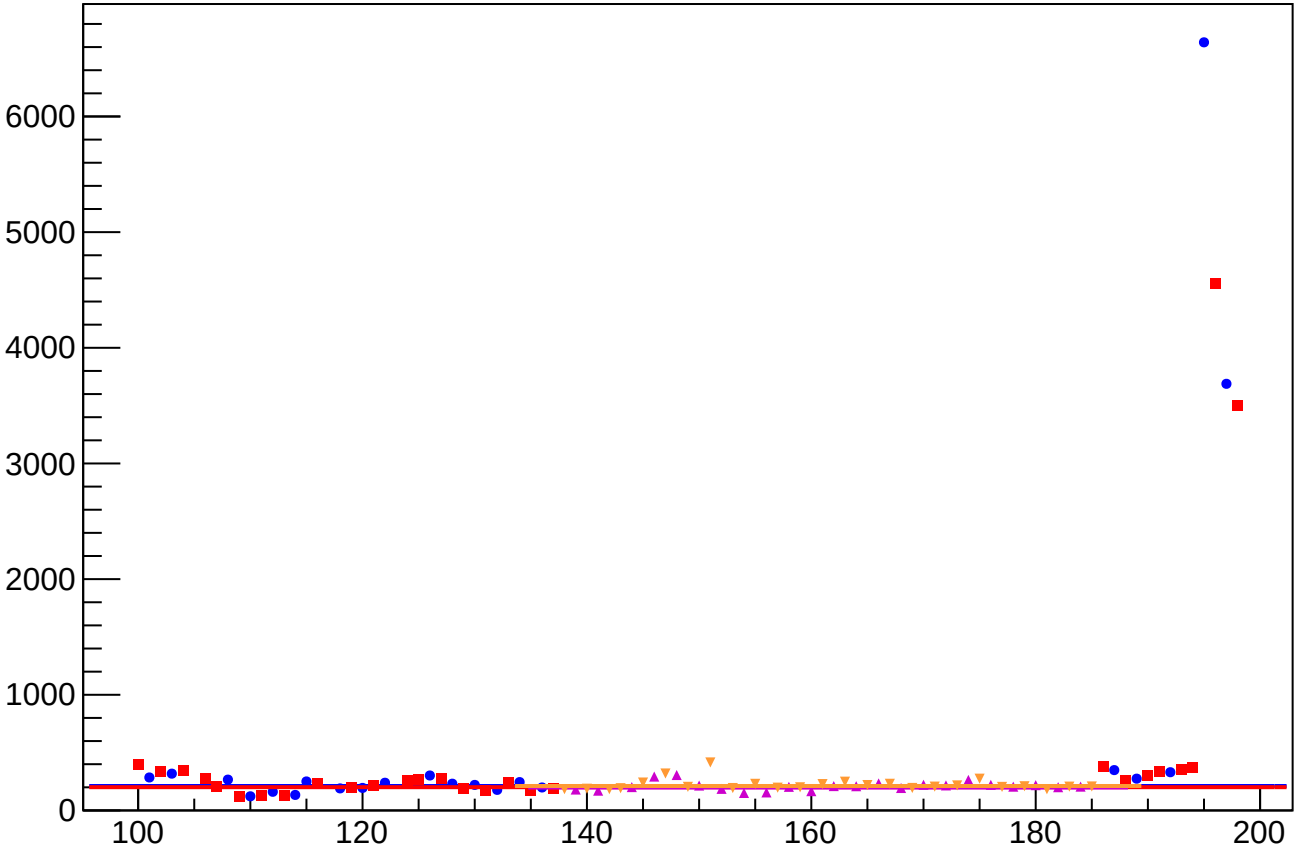
Right: -174.246+/-49.047 χ^2/NDF: 5333.1/47

In: 96.106+/-40.171 χ^2/NDF:2361.5/43

Out: 566.285+/-39.331 χ^2/NDF:6327.2/51

All: 336.164+/-28.103 χ^2/NDF: 8758.7/95

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 211.327+/-0.052 χ^2/NDF: 4427360.1/20

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 201.180+/-0.046 χ^2/NDF: 5466397.6/26

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

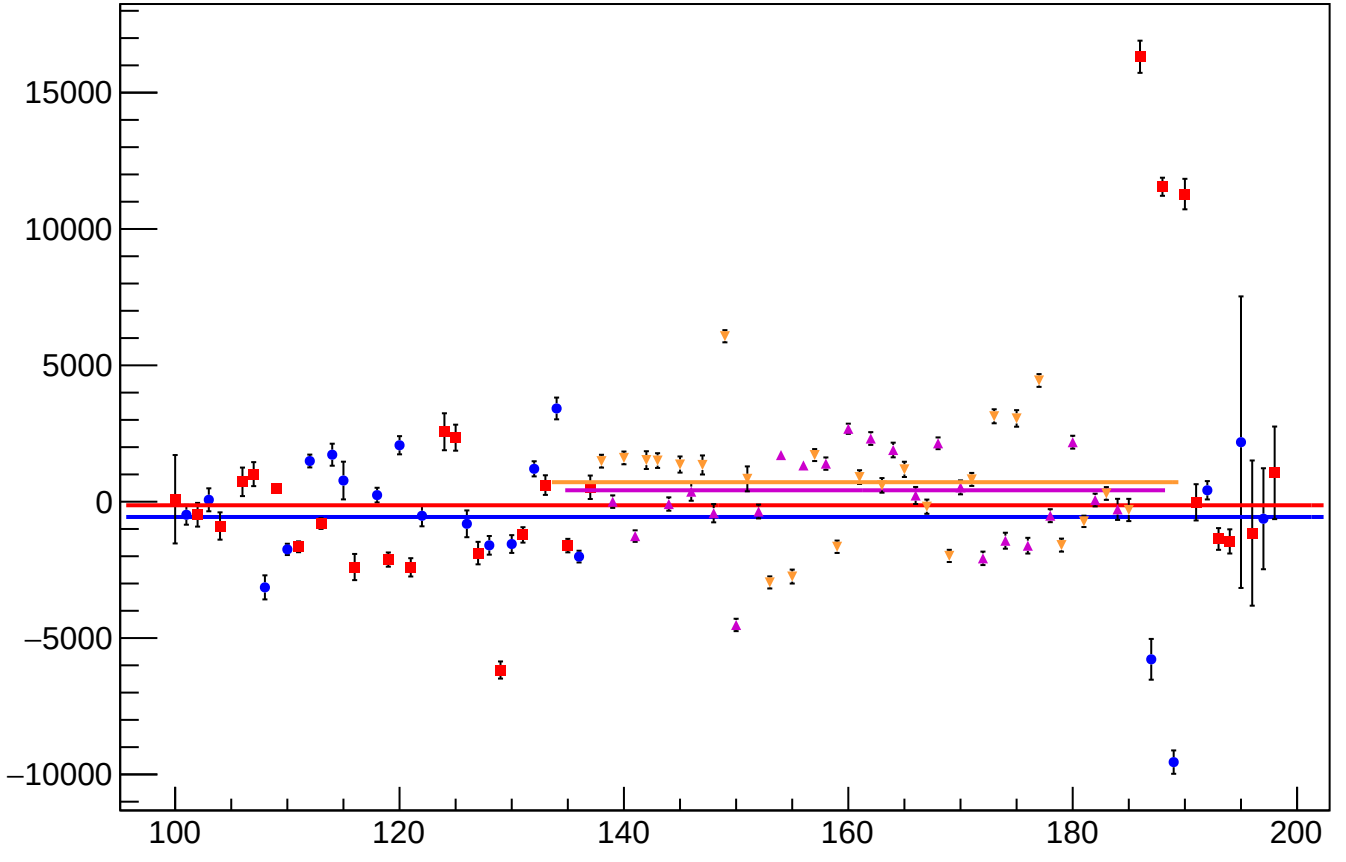
Right: 205.632+/-0.035 χ^2/NDF: 9914837.6/47

In: 202.292+/-0.028 χ^2/NDF:5476009.2/43

Out: 207.772+/-0.028 χ^2/NDF:6433111.4/51

All: 205.090+/-0.020 χ^2/NDF: 11928124.8/95

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -560.457+/-75.225 χ^2/NDF: 953.3/20

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: -131.043+/-67.241 χ^2/NDF: 3159.1/26

Left In: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

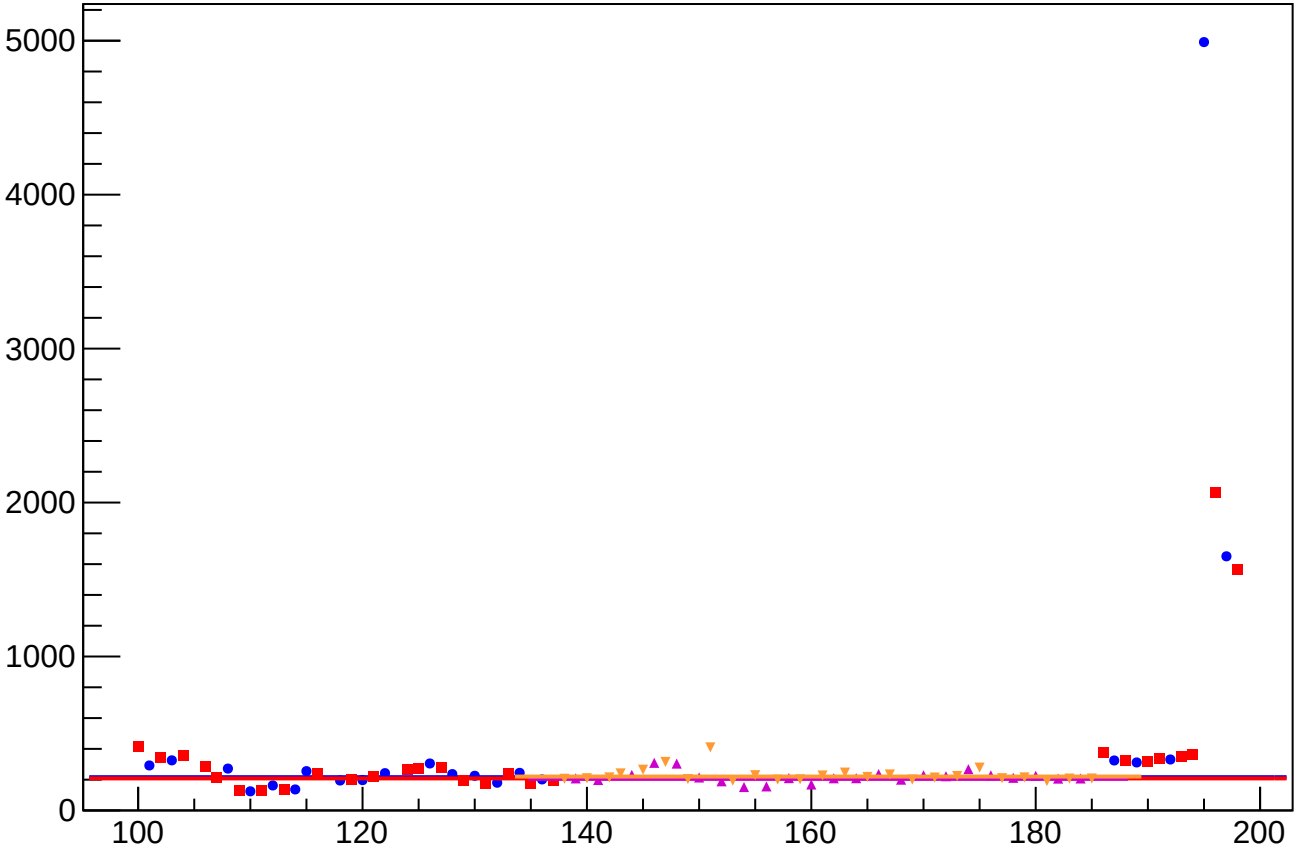
Right: -321.760+/-50.132 χ^2/NDF: 4130.5/47

In: 122.551+/-41.364 χ^2/NDF:2312.4/43

Out: 405.595+/-40.690 χ^2/NDF:5177.6/51

All: 266.399+/-29.007 χ^2/NDF: 7513.8/95

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 216.148+/-0.053 χ^2/NDF: 4162486.5/20

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 208.193+/-0.048 χ^2/NDF: 4939082.2/26

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

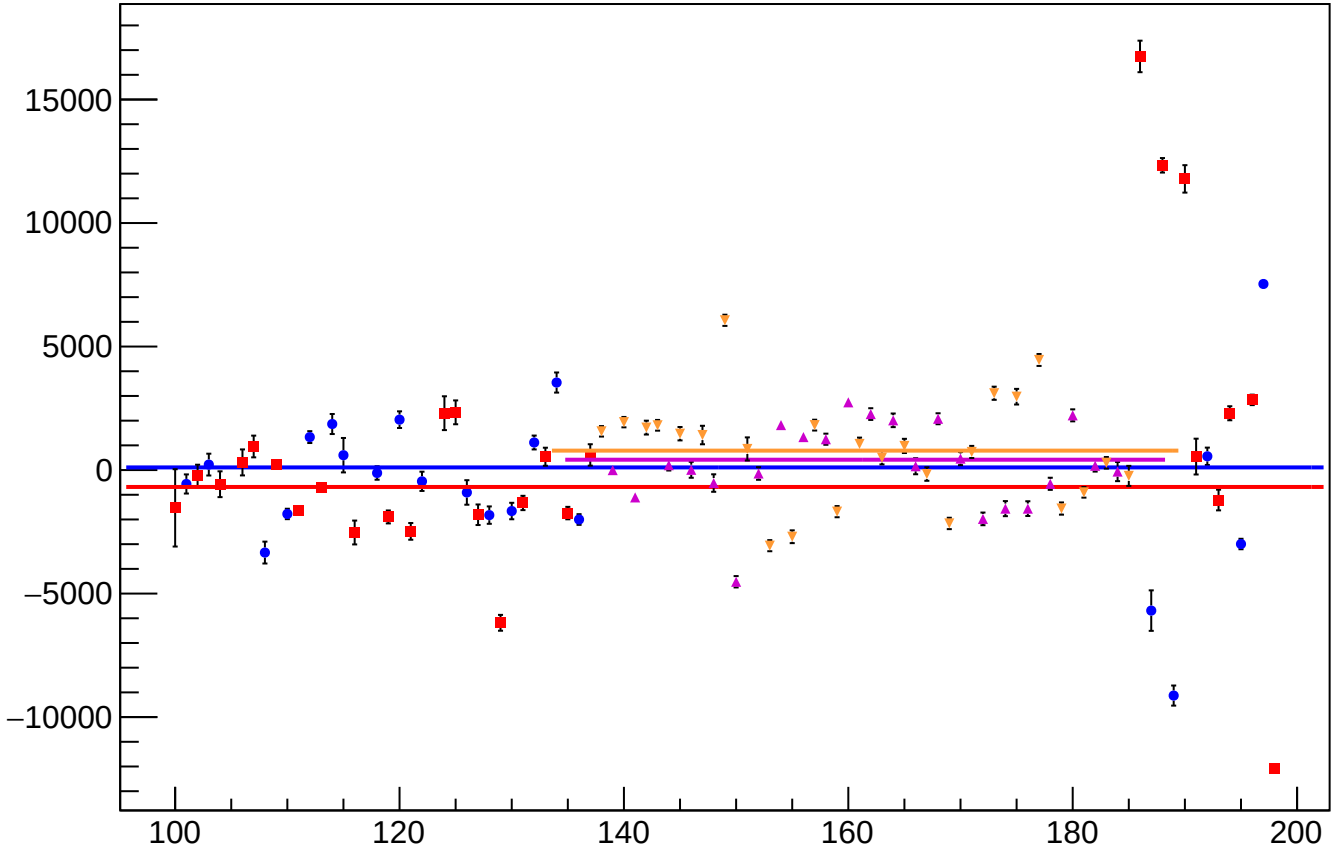
Right: 211.726+/-0.035 χ^2/NDF: 9114000.1/47

In: 208.707+/-0.029 χ^2/NDF:5204503.4/43

Out: 215.768+/-0.029 χ^2/NDF:5778831.5/51

All: 212.295+/-0.021 χ^2/NDF: 11012959.6/95

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 107.354+/-67.525 χ^2/NDF: 2712.9/20

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: -684.124+/-60.928 χ^2/NDF: 7292.9/26

Left In: 418.824+/-49.152 χ^2/NDF:1211.0/22

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

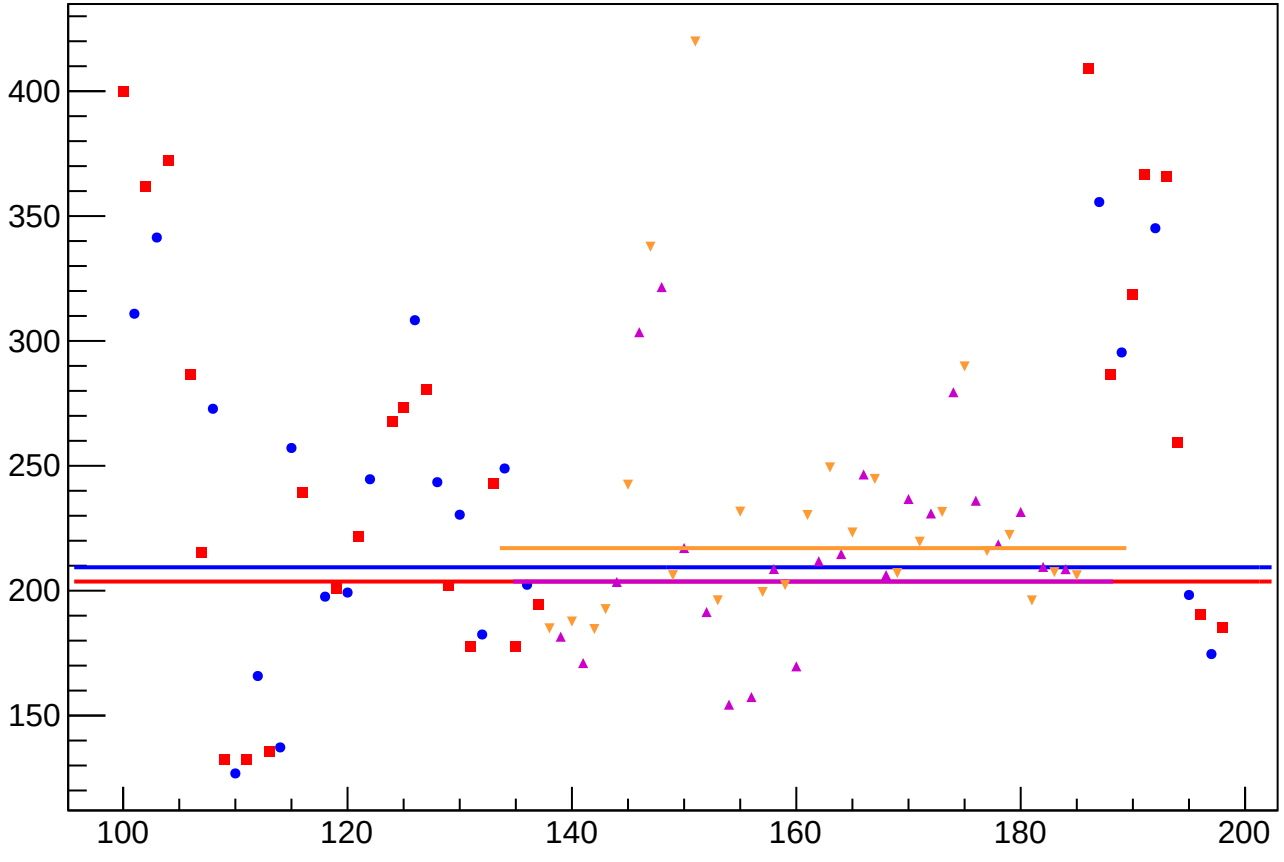
Right: -328.929+/-45.236 χ^2/NDF: 10081.5/47

In: 310.950+/-39.739 χ^2/NDF:3937.8/43

Out: 187.533+/-38.892 χ^2/NDF:9575.8/51

All: 247.912+/-27.795 χ^2/NDF: 13518.6/95

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 209.374+/-0.048 χ^2/NDF: 1490871.2/20

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 203.664+/-0.043 χ^2/NDF: 2461402.1/26

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

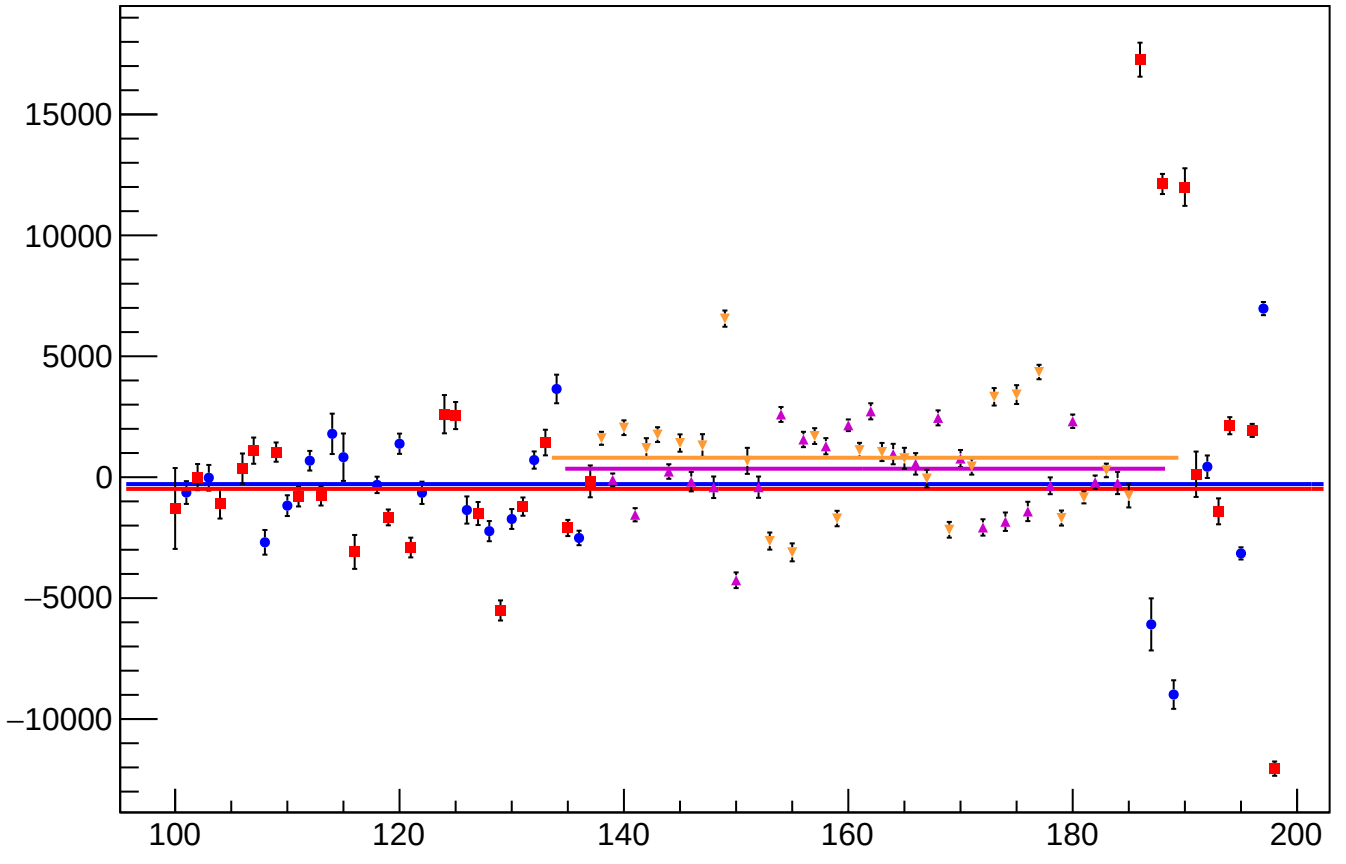
Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

Right: 206.227+/-0.032 χ^2/NDF: 3960155.0/47

In: 205.639+/-0.028 χ^2/NDF:2665566.9/43

Out: 211.590+/-0.028 χ^2/NDF:3501686.1/51

All: 208.679+/-0.020 χ^2/NDF: 6190162.3/95



Right In: -284.589+/-91.609 χ^2/NDF: 1288.8/20

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: -483.095+/-86.854 χ^2/NDF: 3802.9/26

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

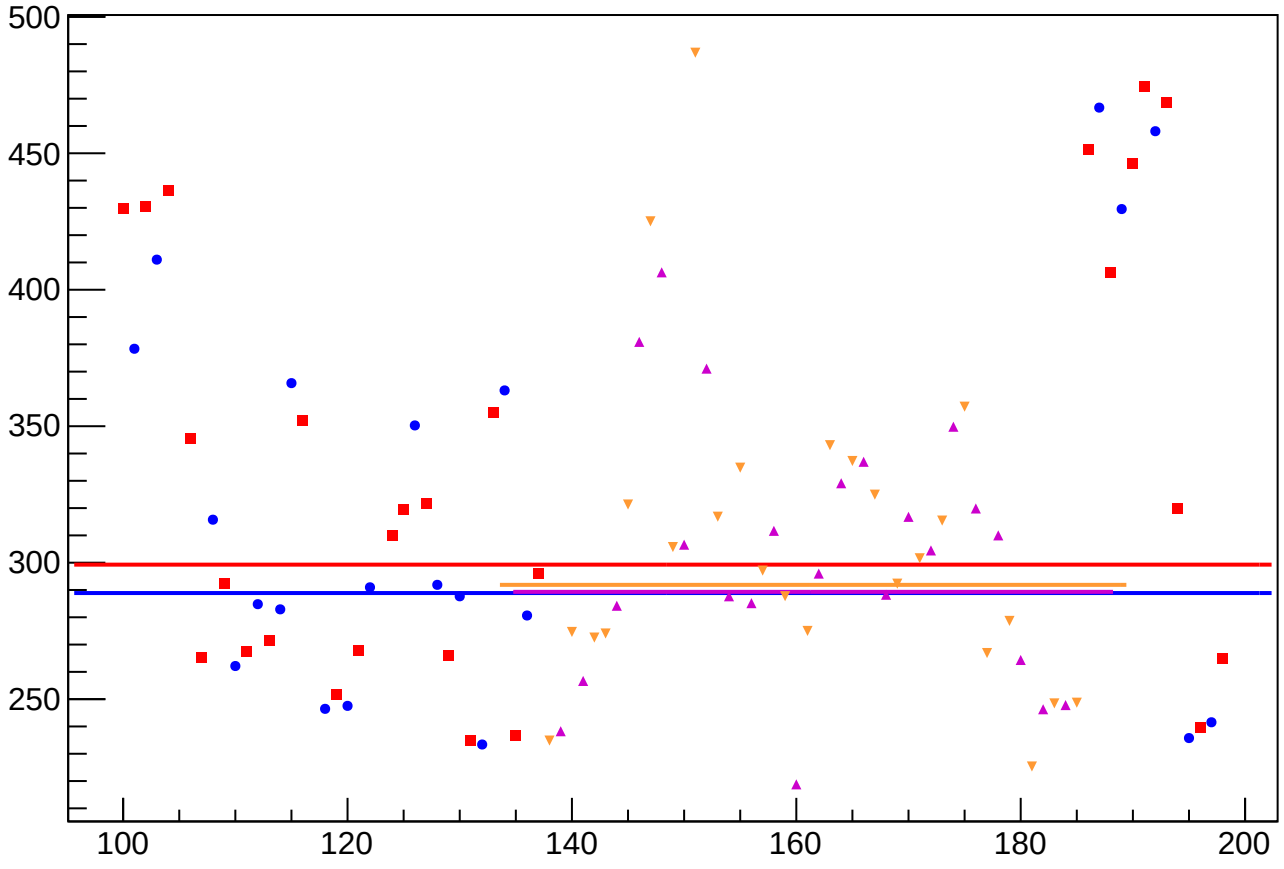
Right: -389.127+/-63.029 χ^2/NDF: 5094.1/47

In: 120.426+/-55.107 χ^2/NDF:1975.5/43

Out: 317.460+/-53.392 χ^2/NDF:4997.1/51

All: 222.057+/-38.346 χ^2/NDF: 6979.2/95

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 288.879+/-0.065 χ^2/NDF: 941385.7/20

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 299.285+/-0.061 χ^2/NDF: 1206598.1/26

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

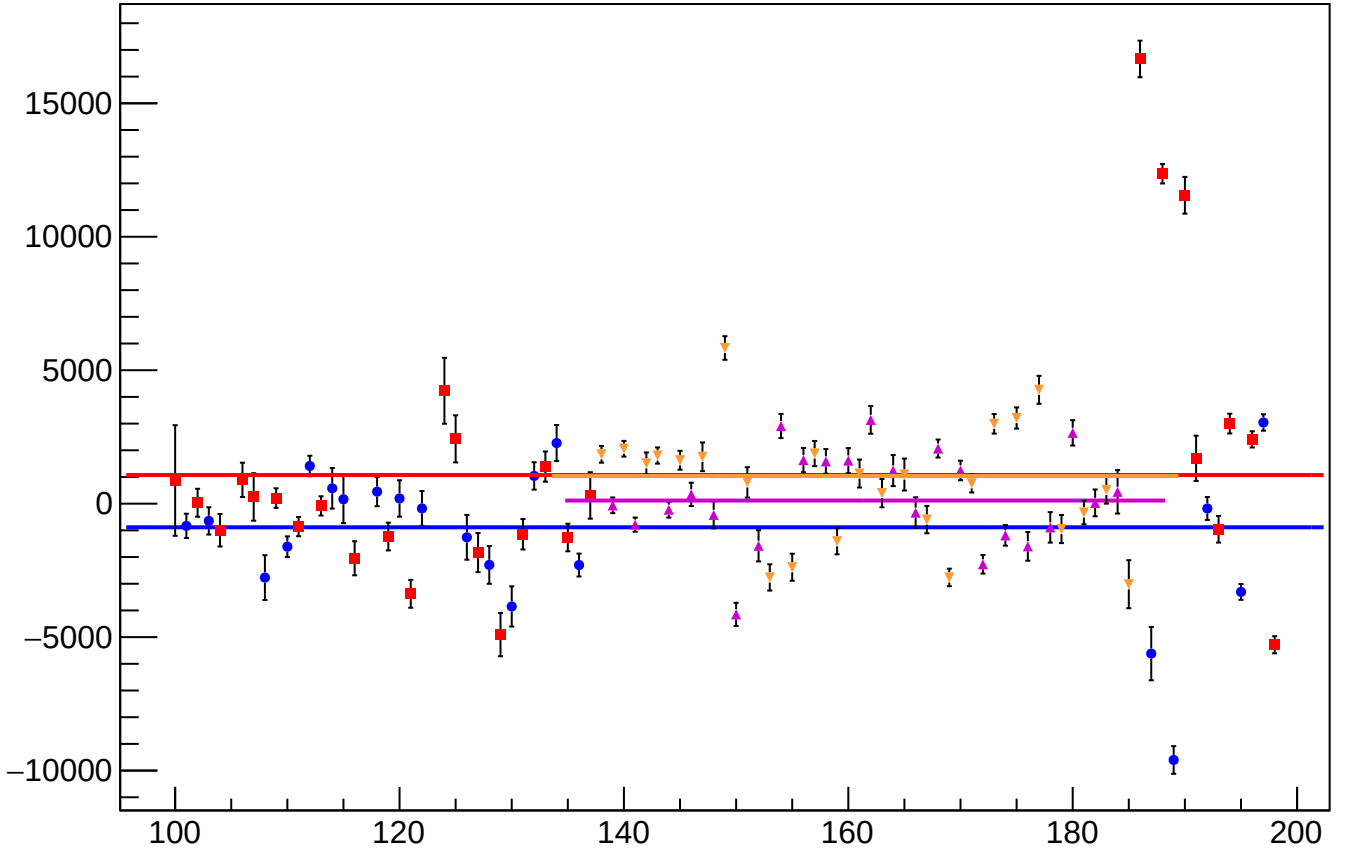
Right: 294.359+/-0.045 χ^2/NDF: 2161573.3/47

In: 289.161+/-0.039 χ^2/NDF:1750020.7/43

Out: 294.680+/-0.038 χ^2/NDF:2175555.6/51

All: 292.008+/-0.027 χ^2/NDF: 3935922.3/95

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -884.838+/-109.570 χ^2/NDF: 666.2/20

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: 1073.992+/-97.768 χ^2/NDF: 2464.6/26

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

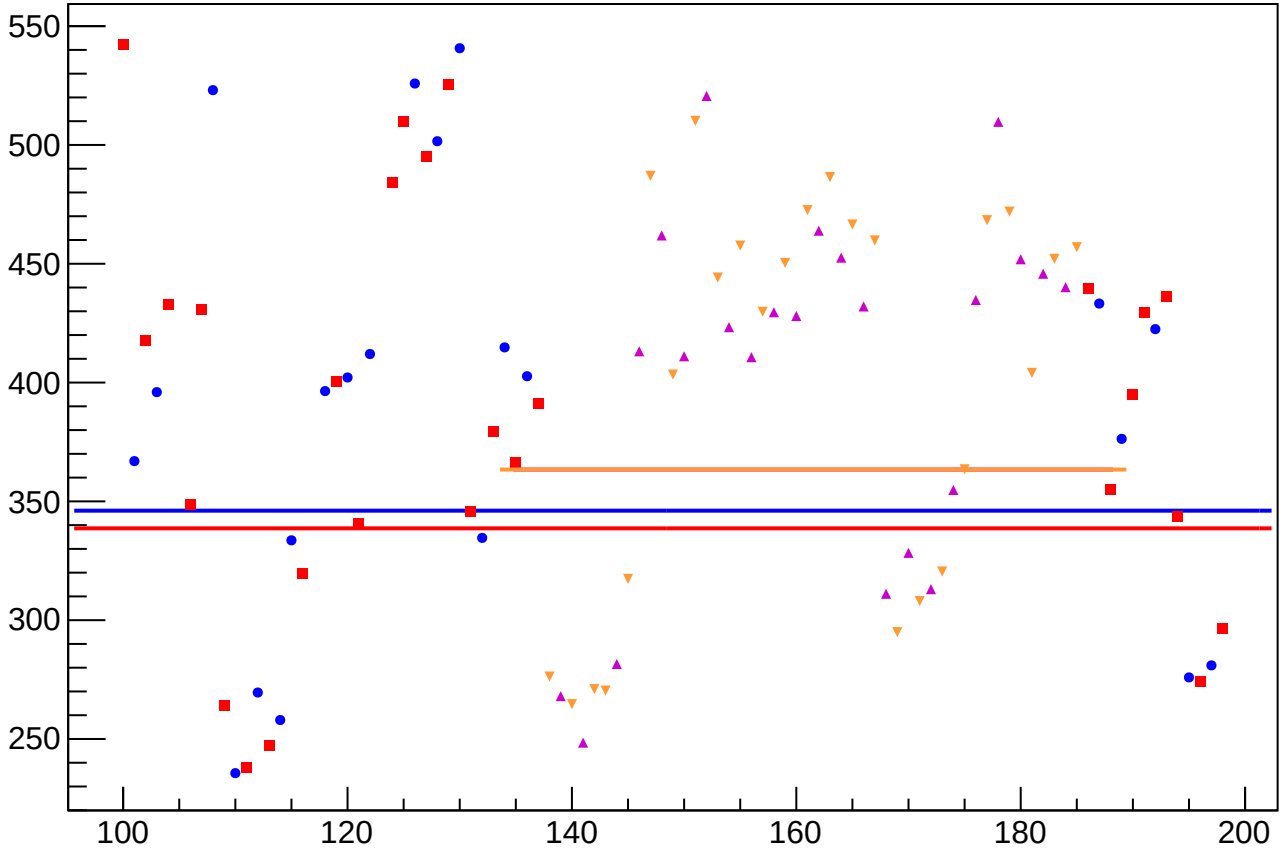
Right: 205.719+/-72.949 χ^2/NDF: 3308.8/47

In: -272.772+/-68.355 χ^2/NDF:1087.7/43

Out: 1053.155+/-64.232 χ^2/NDF:3034.9/51

All: 431.379+/-46.809 χ^2/NDF: 4322.4/95

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 346.085+/-0.077 χ^2/NDF: 1100728.8/20

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 338.644+/-0.069 χ^2/NDF: 1141719.2/26

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

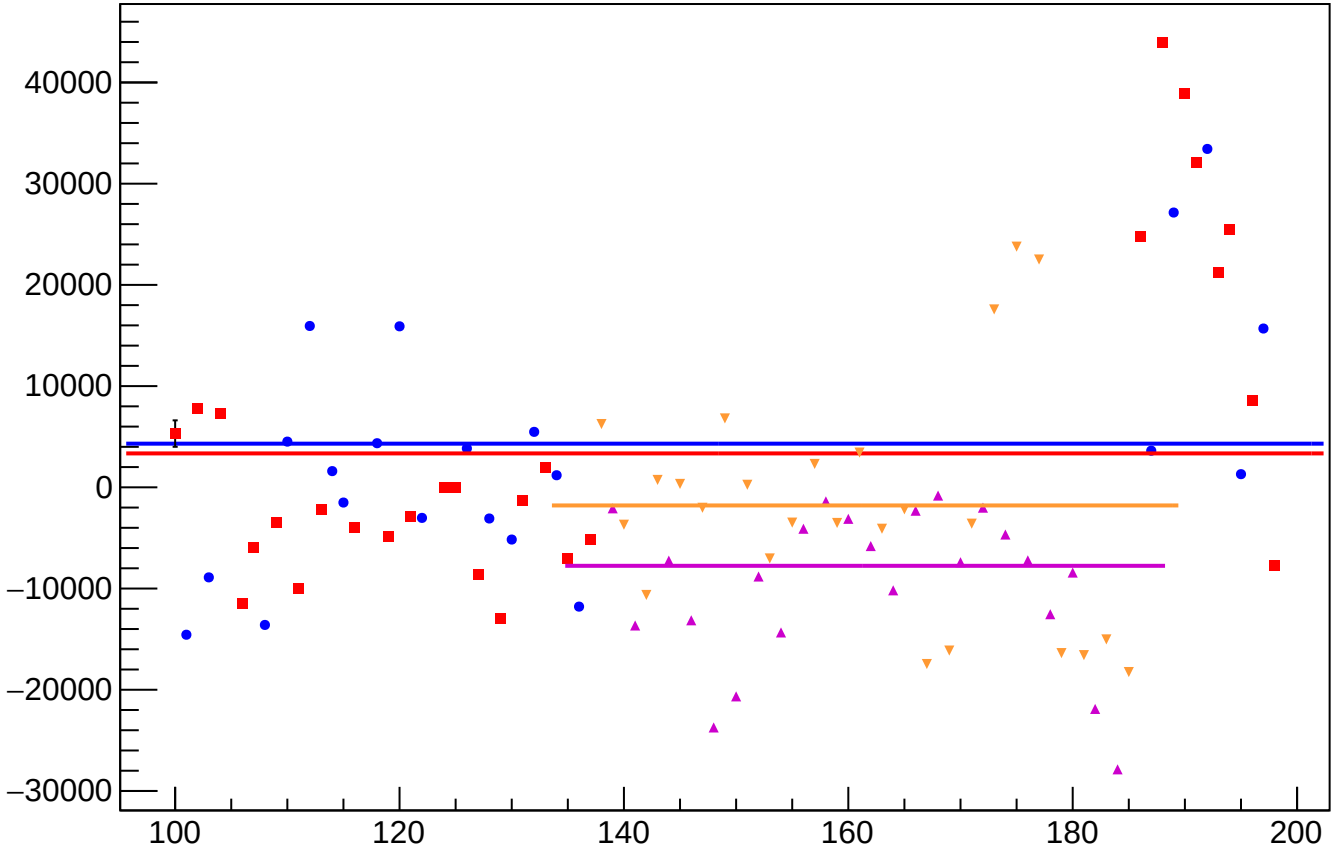
Right: 341.942+/-0.052 χ^2/NDF: 2247583.7/47

In: 356.653+/-0.048 χ^2/NDF:2842786.8/43

Out: 352.707+/-0.045 χ^2/NDF:3155025.0/51

All: 354.557+/-0.033 χ^2/NDF: 6001351.3/95

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 4313.593+/-47.111 χ^2/NDF: 74217.9/20

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 3350.445+/-43.214 χ^2/NDF: 132392.9/26

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

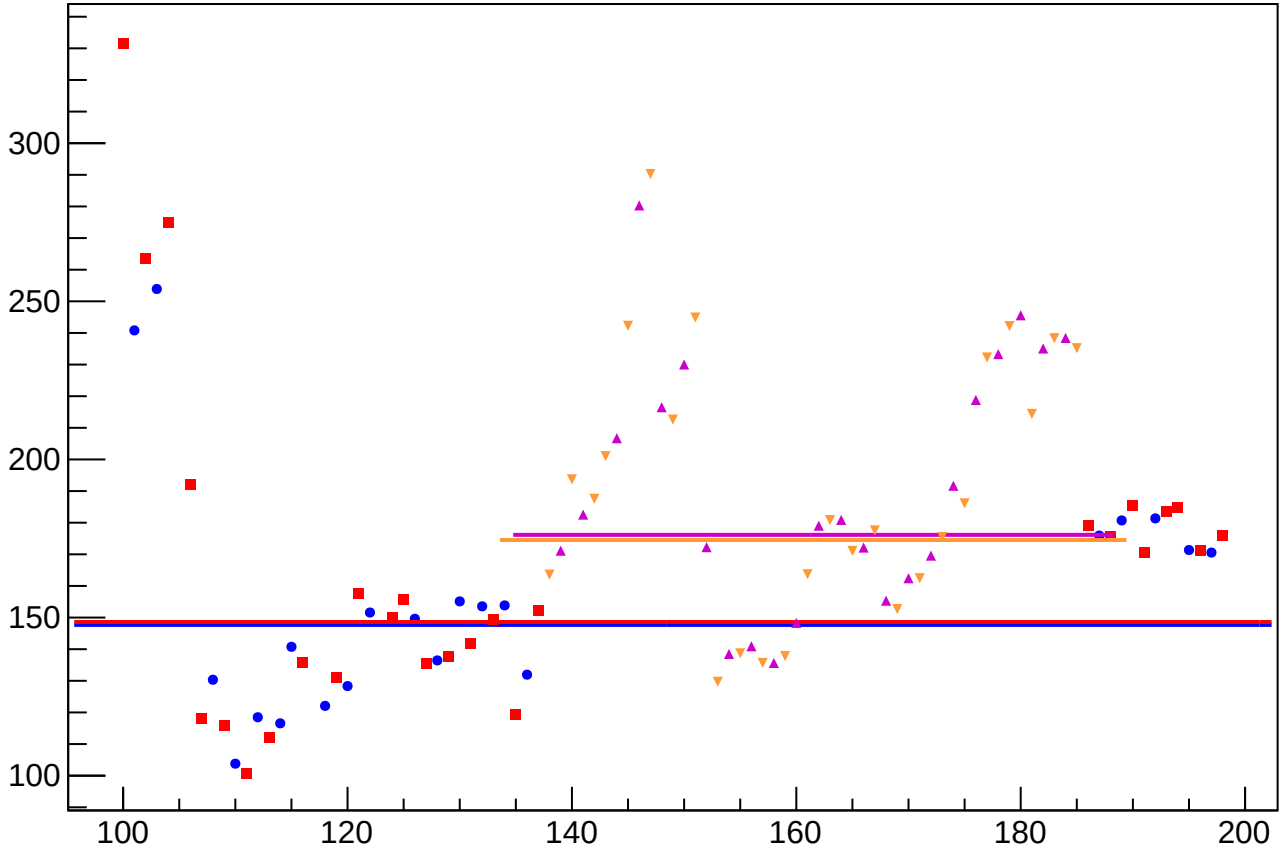
Right: 3790.541+/-31.845 χ^2/NDF: 206837.8/47

In: -2329.757+/-31.586 χ^2/NDF:133619.0/43

Out: 639.403+/-29.709 χ^2/NDF:205601.8/51

All: -754.345+/-21.640 χ^2/NDF: 343909.4/95

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 147.685+/-0.033 χ^2/NDF: 887383.4/20

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 148.601+/-0.031 χ^2/NDF: 1320529.1/26

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

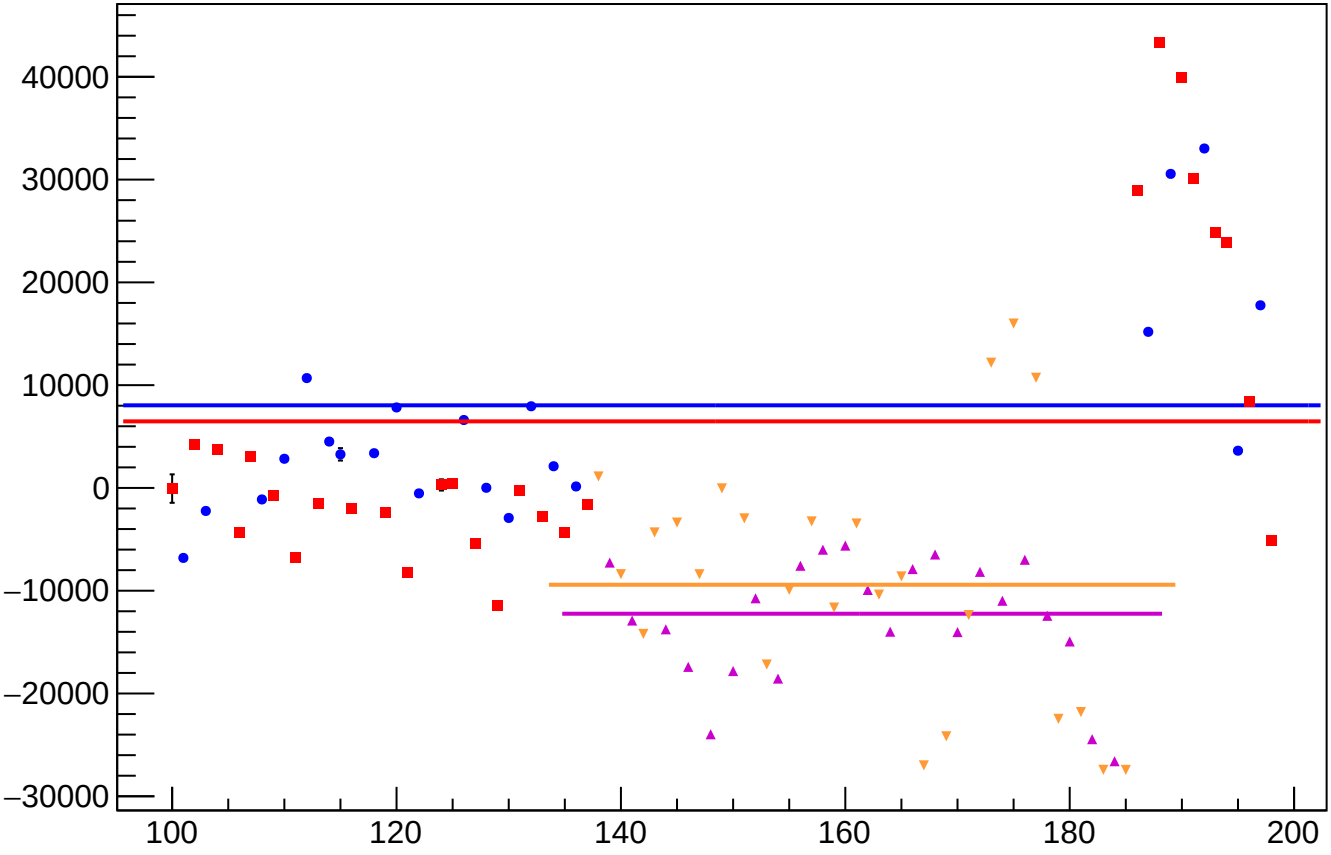
Right: 148.182+/-0.023 χ^2/NDF: 2208322.6/47

In: 163.357+/-0.022 χ^2/NDF:2656505.6/43

Out: 162.270+/-0.021 χ^2/NDF:3359452.9/51

All: 162.780+/-0.015 χ^2/NDF: 6017216.2/95

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 8038.293+/-56.385 χ^2/NDF: 35756.9/20

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 6477.338+/-50.329 χ^2/NDF: 102141.8/26

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

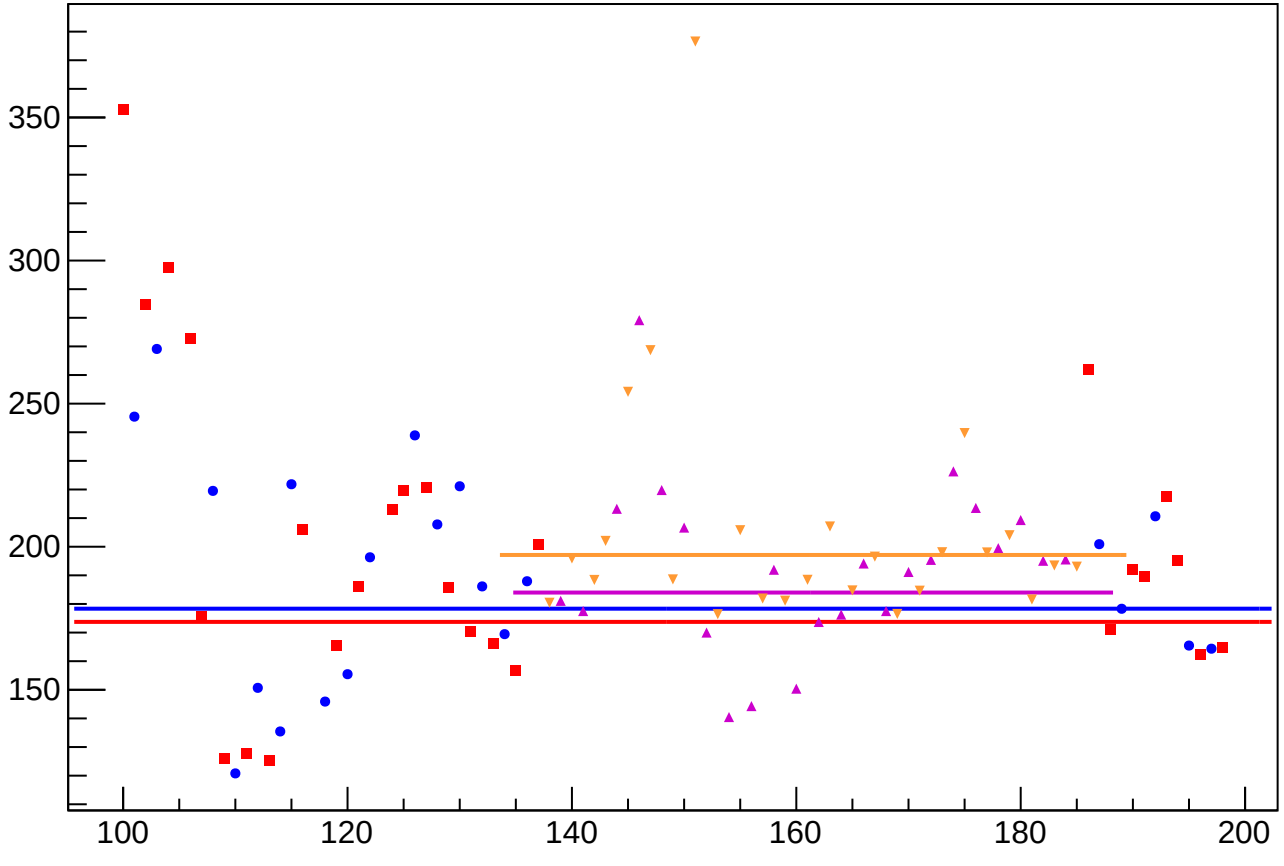
Right: 7169.518+/-37.547 χ^2/NDF: 138325.2/47

In: -4522.092+/-34.784 χ^2/NDF:131881.7/43

Out: -2236.331+/-33.832 χ^2/NDF:221549.0/51

All: -3347.532+/-24.252 χ^2/NDF: 355649.8/9

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.348+/-0.040 χ^2/NDF: 747530.6/20

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 173.735+/-0.036 χ^2/NDF: 1192524.8/26

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

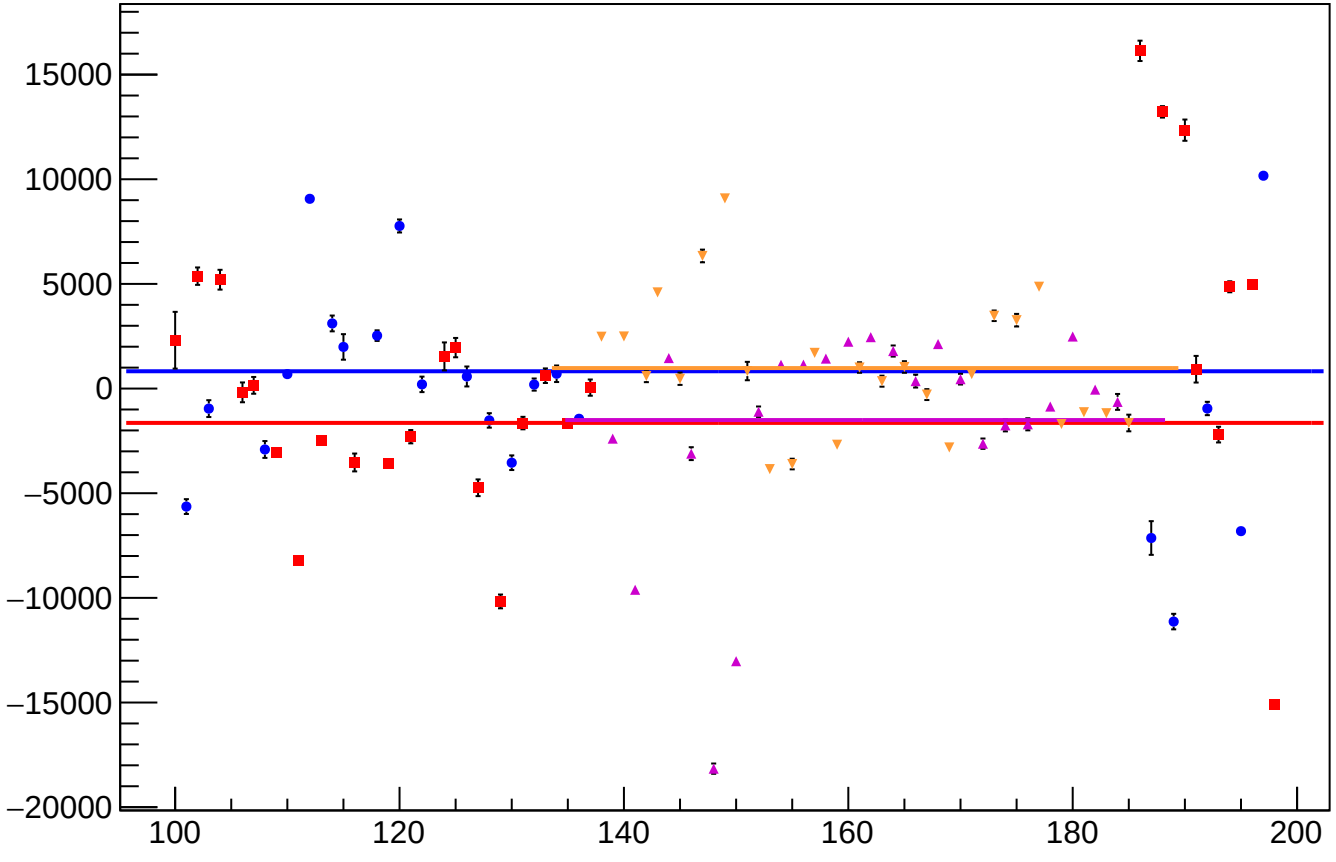
Right: 175.780+/-0.027 χ^2/NDF: 1947507.4/47

In: 181.840+/-0.025 χ^2/NDF:1589692.2/43

Out: 186.554+/-0.024 χ^2/NDF:2161776.1/51

All: 184.262+/-0.017 χ^2/NDF: 3770341.9/95

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 826.721+/-63.858 χ^2/NDF: 7746.2/20

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -1640.511+/-57.121 χ^2/NDF: 14242.7/26

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

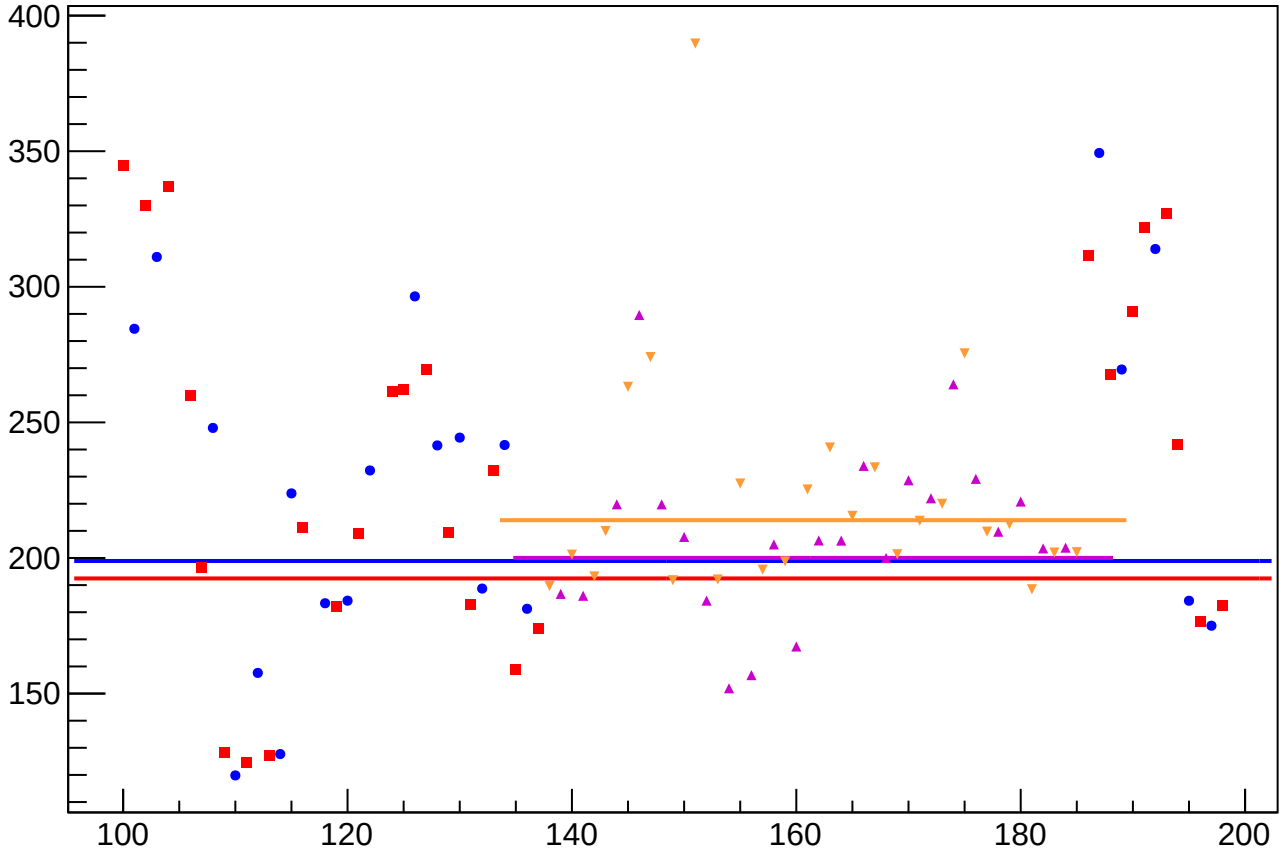
Right: -543.863+/-42.574 χ^2/NDF: 22818.1/47

In: -662.107+/-38.395 χ^2/NDF:20078.2/43

Out: -147.573+/-37.454 χ^2/NDF:19764.0/51

All: -398.458+/-26.811 χ^2/NDF: 39934.1/95

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 198.899+/-0.045 χ^2/NDF: 1418534.5/20

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 192.459+/-0.040 χ^2/NDF: 2232948.7/26

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

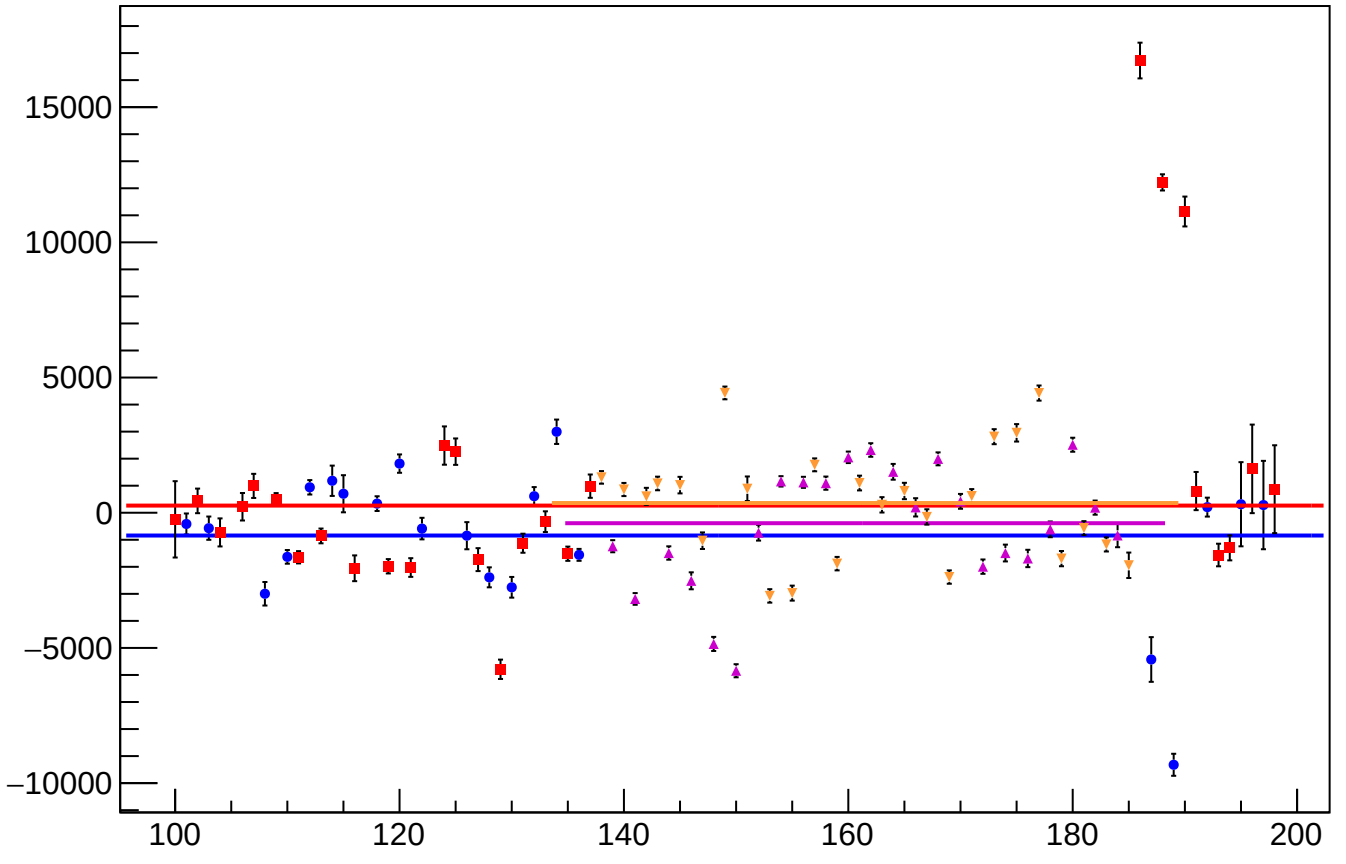
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 195.322+/-0.030 χ^2/NDF: 3662780.4/47

In: 199.621+/-0.027 χ^2/NDF:2204461.1/43

Out: 204.699+/-0.026 χ^2/NDF:3127686.7/51

All: 202.223+/-0.019 χ^2/NDF: 5350074.2/95



Right In: -842.754+/-81.782 χ^2/NDF: 797.3/20

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 264.489+/-74.026 χ^2/NDF: 3268.9/26

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

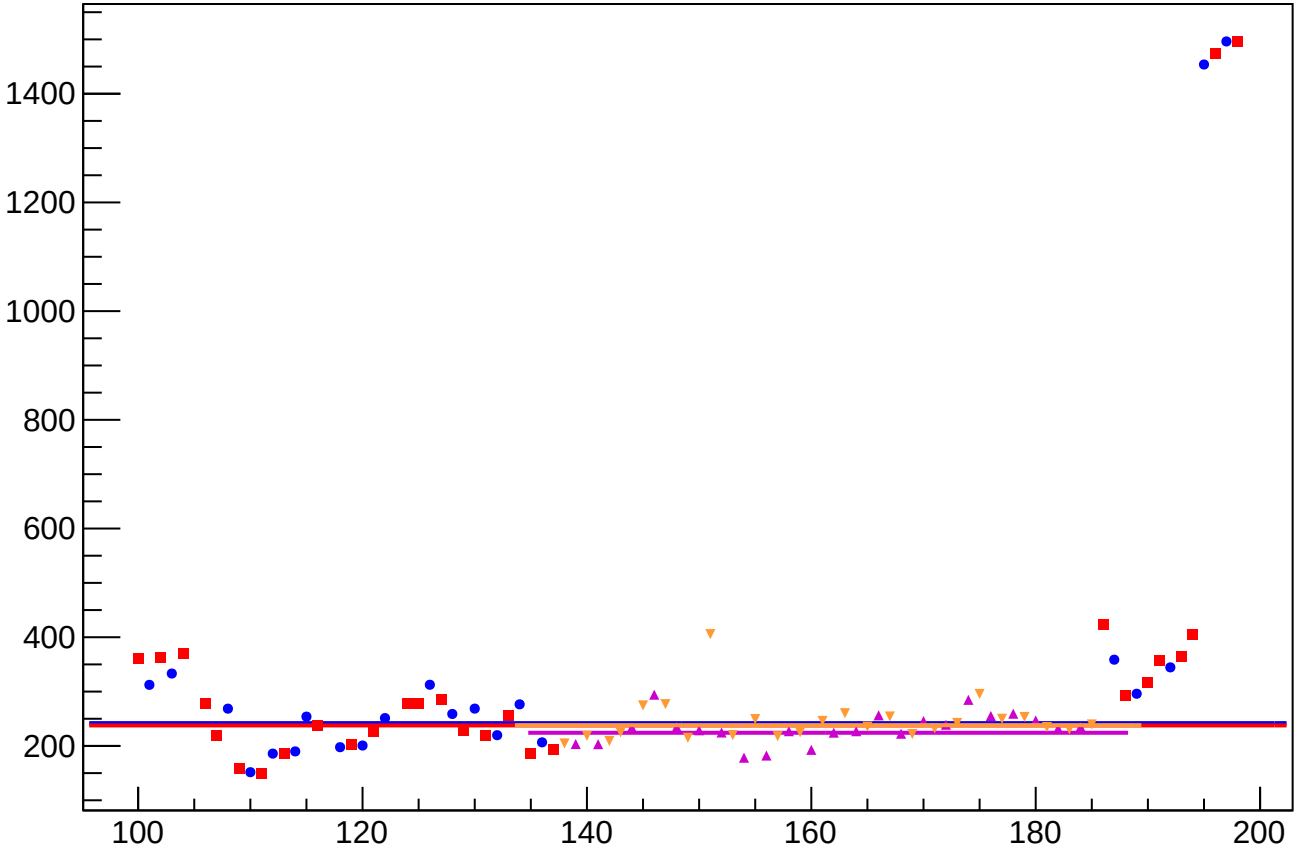
Right: -234.152+/-54.882 χ^2/NDF: 4166.9/47

In: -523.648+/-44.788 χ^2/NDF:2623.2/43

Out: 325.185+/-44.144 χ^2/NDF:4688.8/51

All: -93.088+/-31.440 χ^2/NDF: 7494.2/95

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 241.987+/-0.058 χ^2/NDF: 3369901.5/20

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 237.719+/-0.052 χ^2/NDF: 4253490.7/26

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

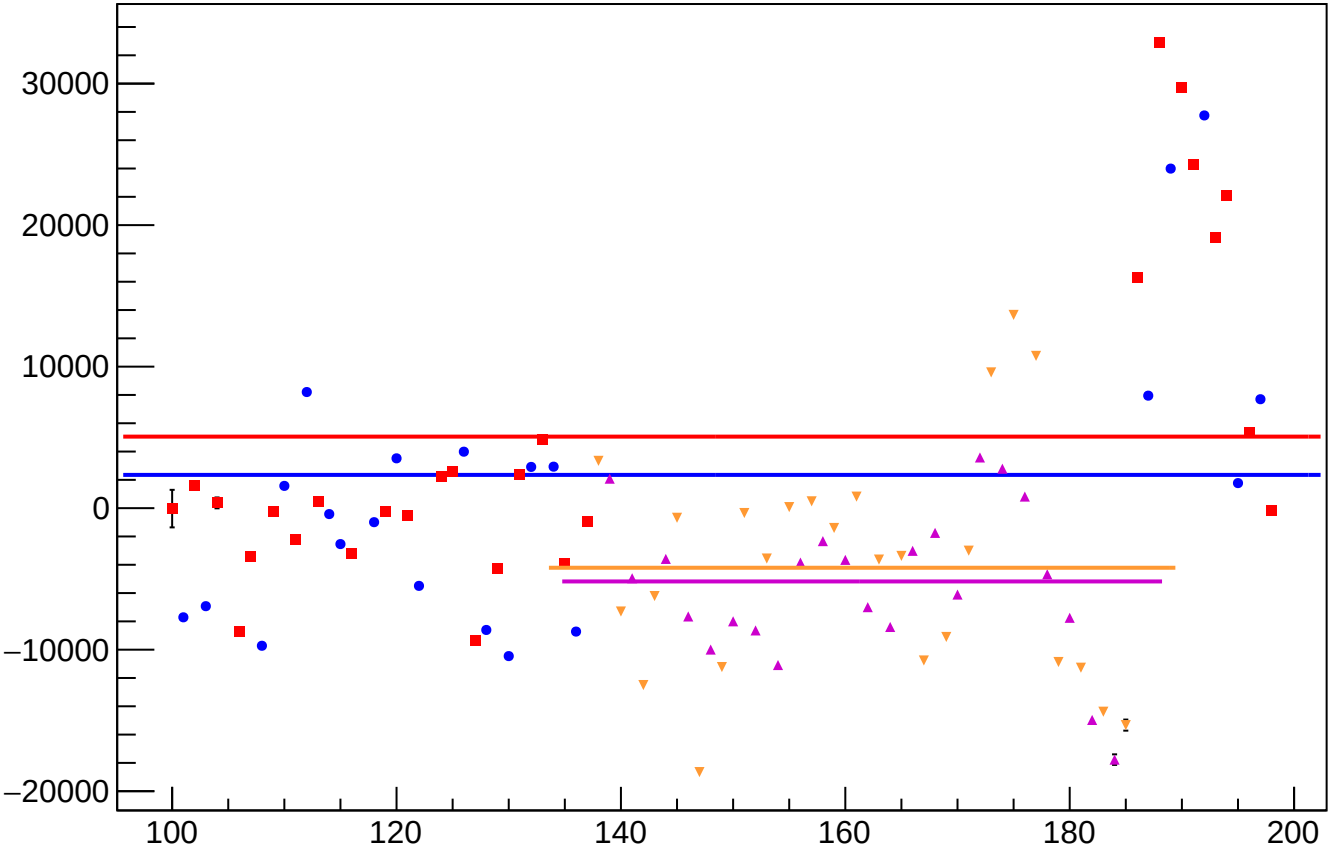
Right: 239.641+/-0.039 χ^2/NDF: 7626387.0/47

In: 229.543+/-0.032 χ^2/NDF:3999276.6/43

Out: 238.028+/-0.031 χ^2/NDF:4821480.4/51

All: 233.847+/-0.022 χ^2/NDF: 8857170.0/95

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 2350.580+/-40.014 χ^2/NDF: 69729.7/20

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5055.616+/-36.445 χ^2/NDF: 102274.1/26

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

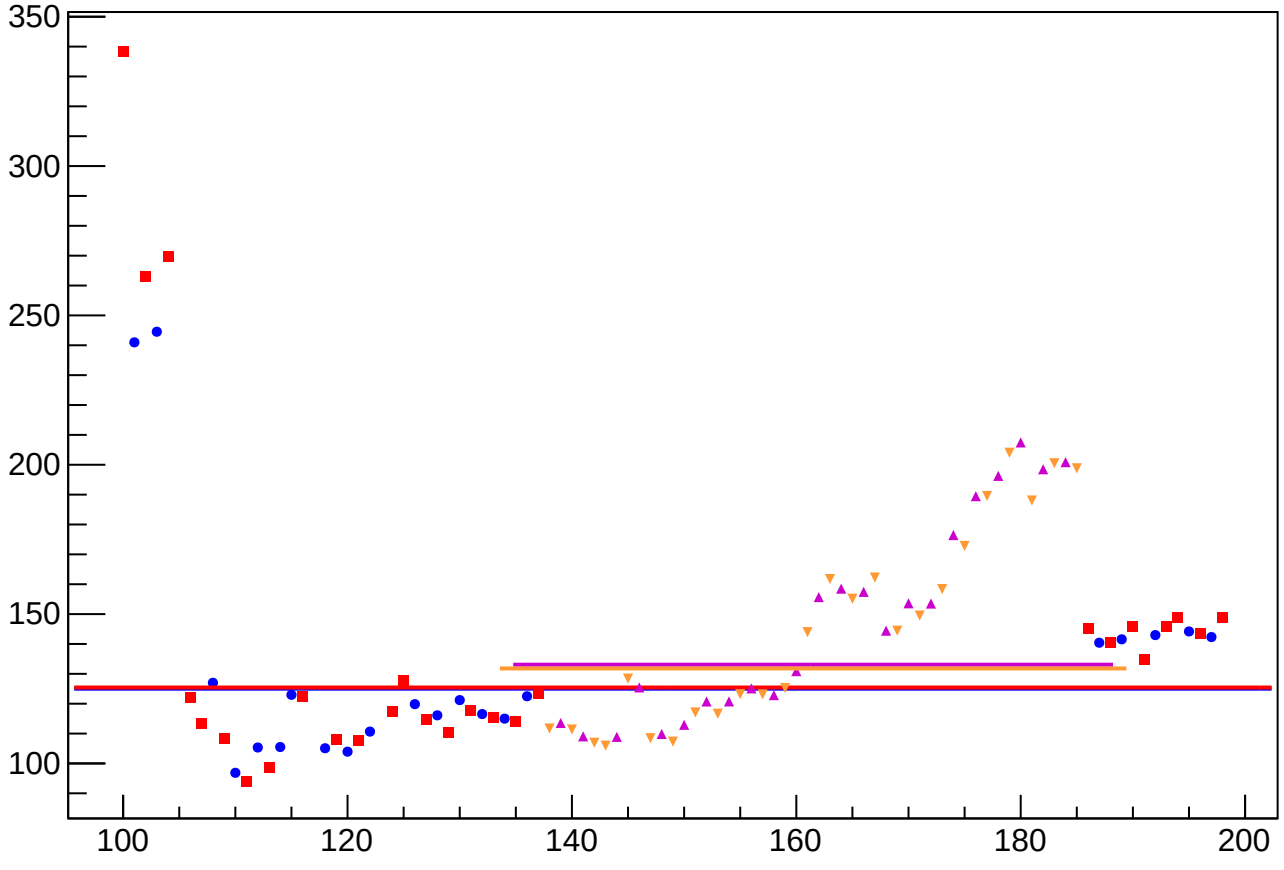
Right: 3829.111+/-26.944 χ^2/NDF: 174501.7/47

In: -2244.878+/-24.977 χ^2/NDF:109879.3/43

Out: -345.766+/-23.537 χ^2/NDF:196758.9/51

All: -1239.012+/-17.130 χ^2/NDF: 309700.3/9

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 125.032+/-0.028 χ^2/NDF: 876943.8/20

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 125.421+/-0.026 χ^2/NDF: 1154871.7/26

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

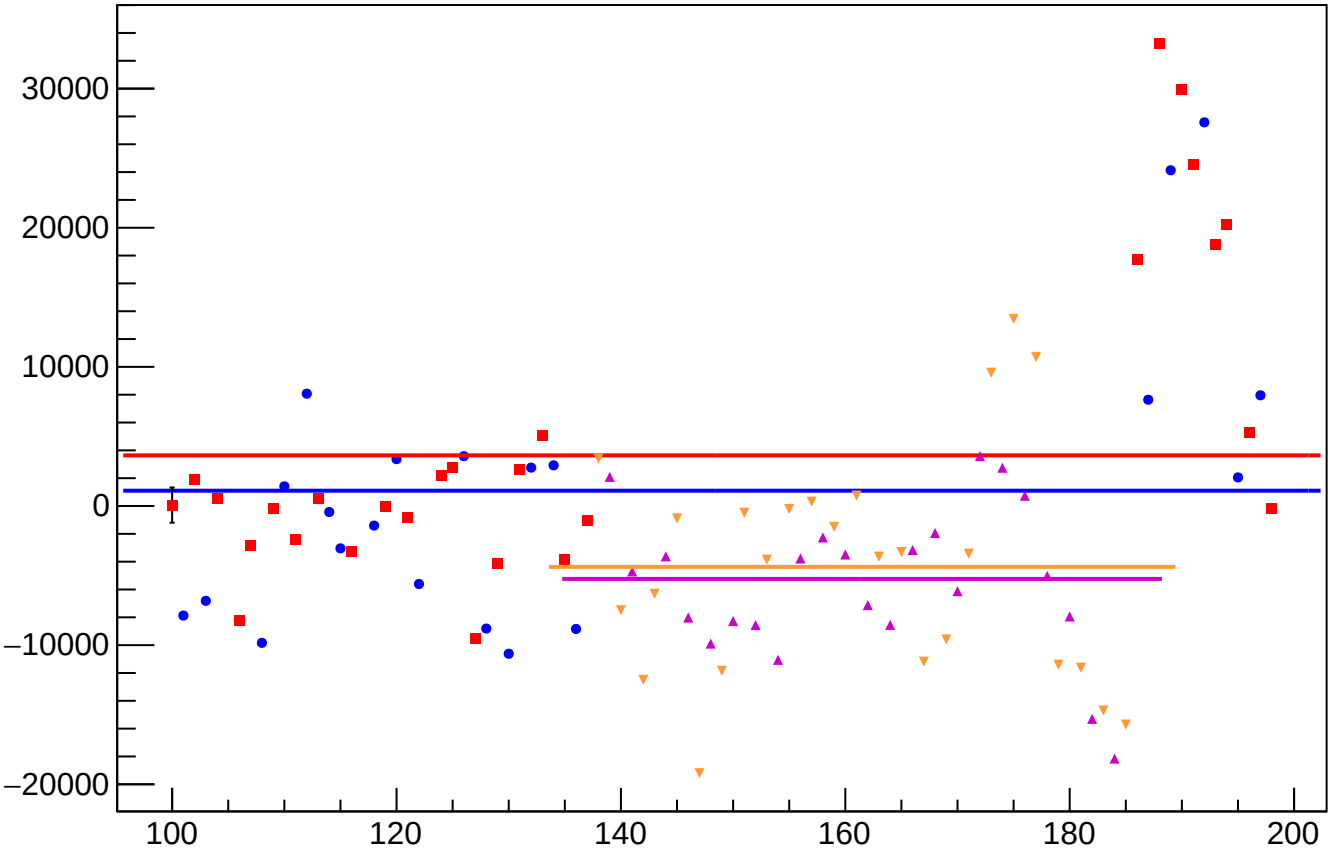
Right: 125.245+/-0.019 χ^2/NDF: 2031918.7/47

In: 129.933+/-0.018 χ^2/NDF:2344347.8/43

Out: 129.138+/-0.017 χ^2/NDF:2734902.3/51

All: 129.512+/-0.012 χ^2/NDF: 5080323.6/95

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 1101.198+/-35.365 χ^2/NDF: 74994.8/20

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: 3640.612+/-32.546 χ^2/NDF: 109640.4/26

Left In: -5239.784+/-29.252 χ^2/NDF:22273.2/22

Left: -4786.626+/-20.210 χ^2/NDF: 89950.9/47

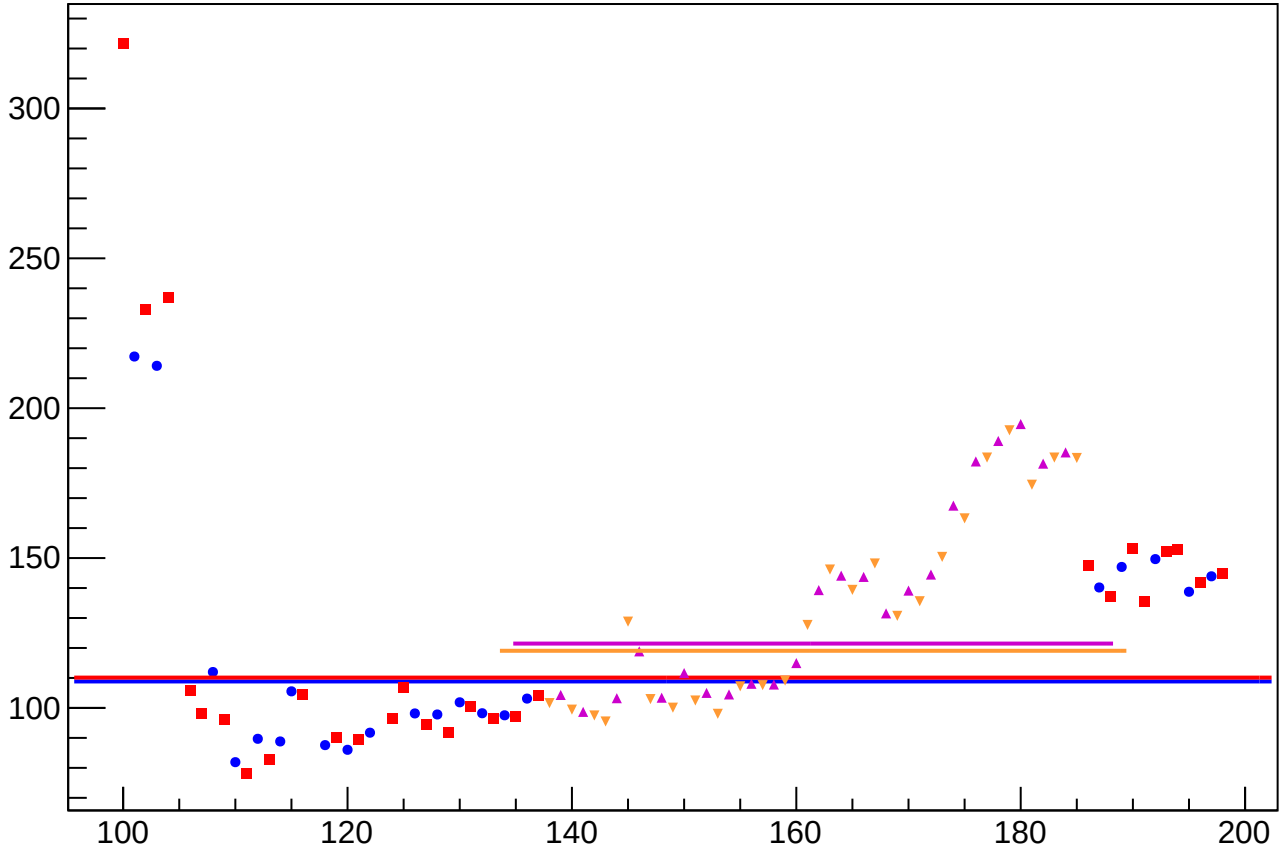
Right: 2476.149+/-23.948 χ^2/NDF: 187426.9/47

In: -2663.933+/-22.540 χ^2/NDF:116356.7/43

Out: -970.635+/-21.206 χ^2/NDF:211743.7/51

All: -1765.694+/-15.445 χ^2/NDF: 331094.1/9

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 108.831+/-0.025 χ^2/NDF: 1327807.2/20

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 110.117+/-0.023 χ^2/NDF: 1787052.0/26

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

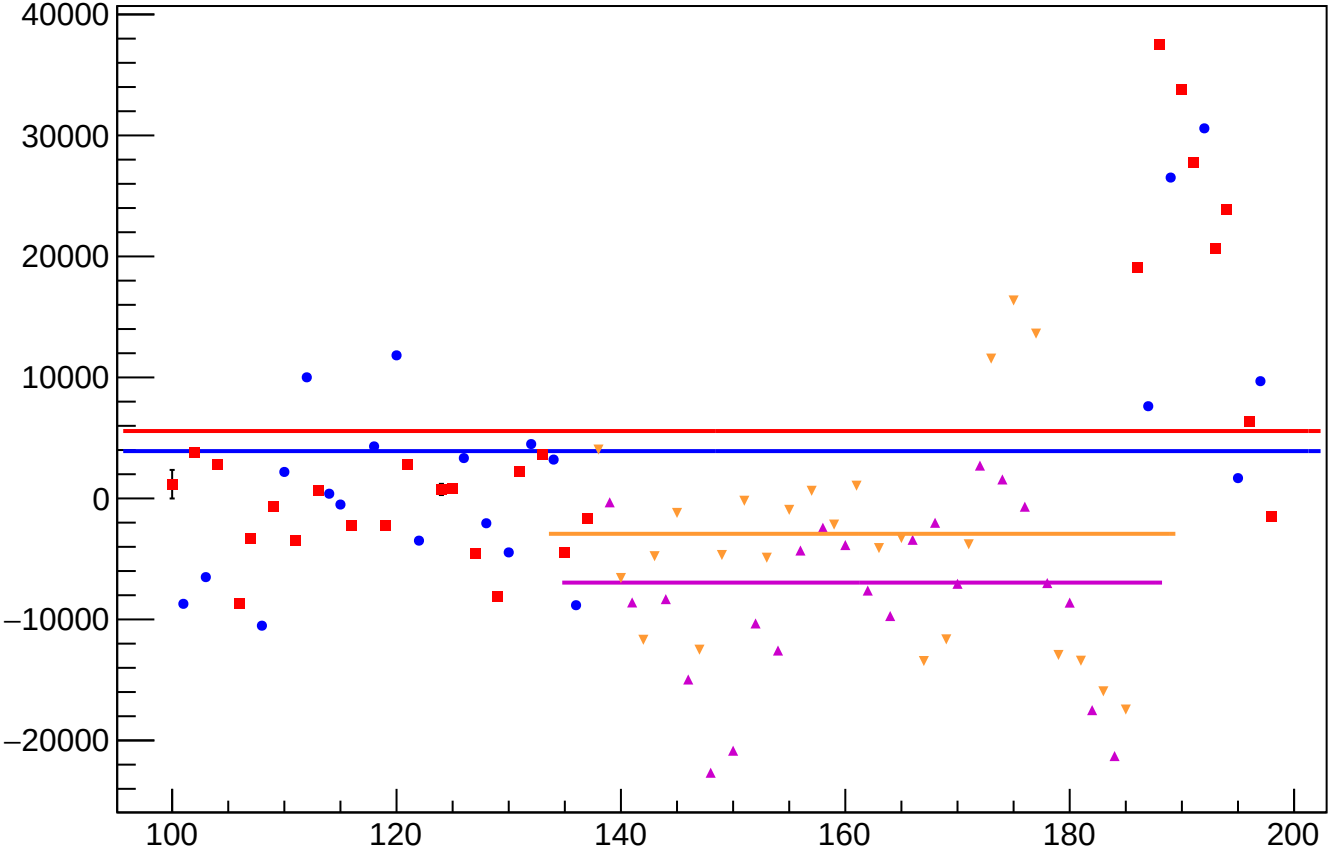
Right: 109.528+/-0.017 χ^2/NDF: 3116291.6/47

In: 116.335+/-0.016 χ^2/NDF:3008807.7/43

Out: 115.266+/-0.015 χ^2/NDF:3629450.2/51

All: 115.768+/-0.011 χ^2/NDF: 6640643.0/95

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 3911.592+/-46.593 χ^2/NDF: 55571.9/20

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: 5570.513+/-42.933 χ^2/NDF: 91673.9/26

Left In: -6956.884+/-40.245 χ^2/NDF:22339.0/22

Left: -4834.088+/-27.700 χ^2/NDF: 65678.3/47

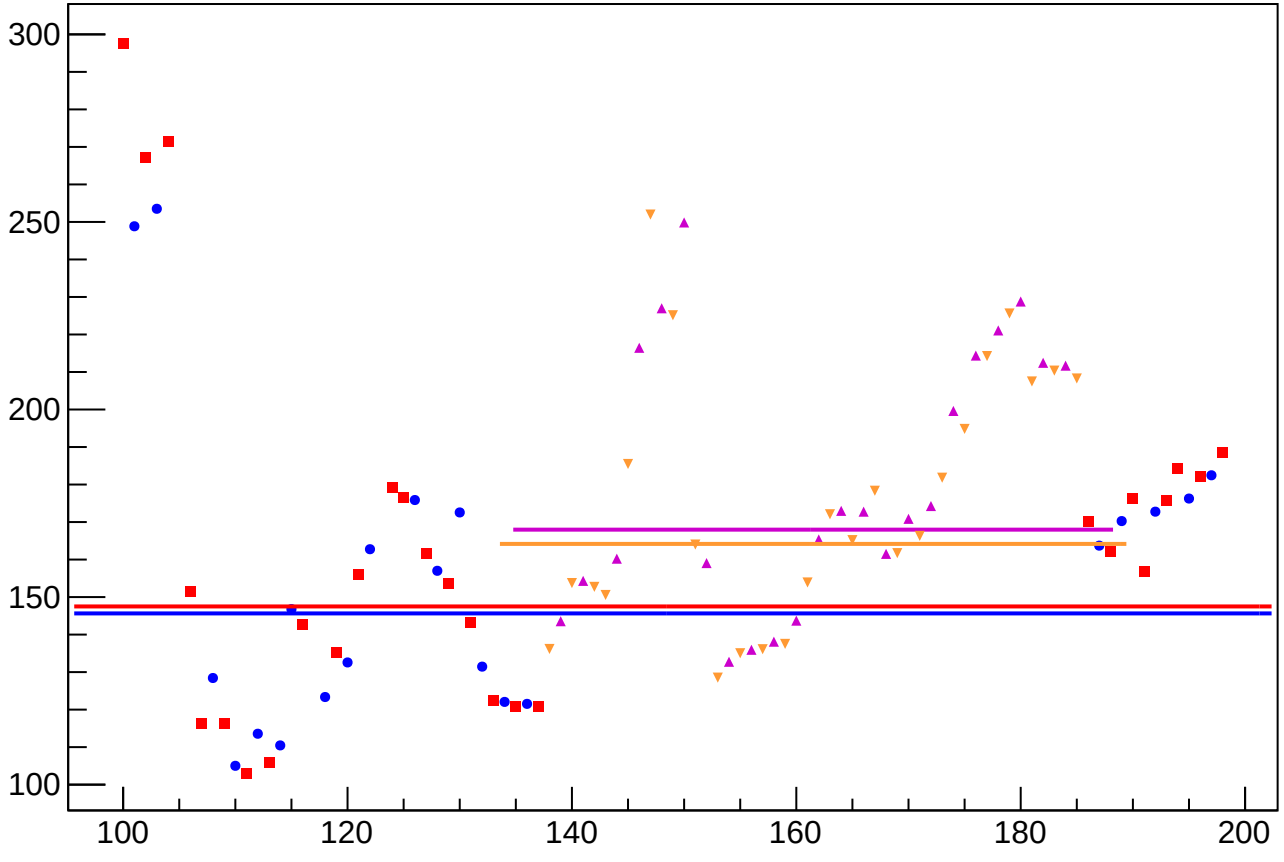
Right: 4808.764+/-31.573 χ^2/NDF: 147931.4/47

In: -2312.943+/-30.457 χ^2/NDF:109073.3/43

Out: 828.273+/-28.532 χ^2/NDF:151578.4/51

All: -639.978+/-20.822 χ^2/NDF: 266317.1/95

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 145.645+/-0.033 χ^2/NDF: 1052162.2/20

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 147.504+/-0.030 χ^2/NDF: 1344807.5/26

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

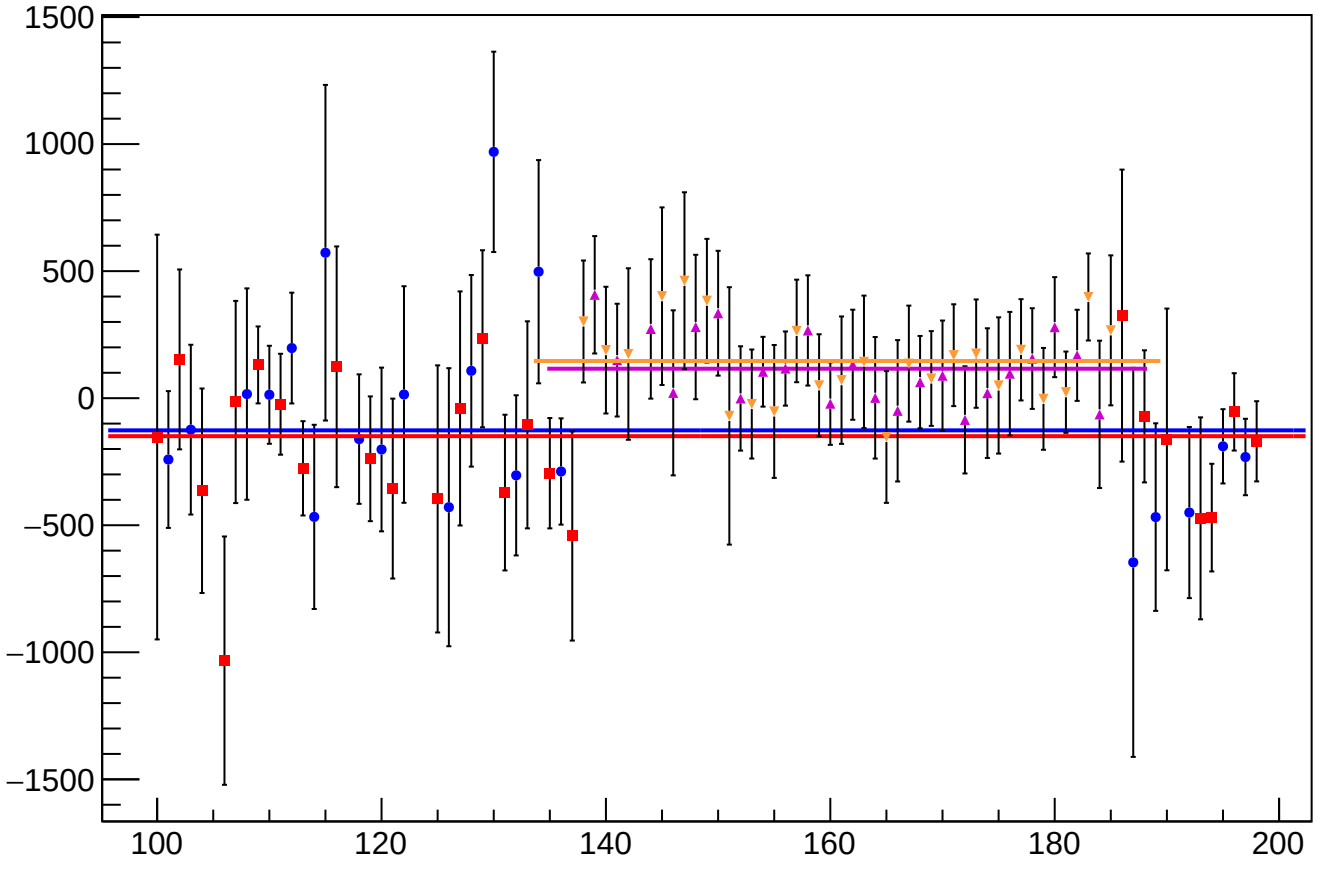
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 146.650+/-0.022 χ^2/NDF: 2398691.5/47

In: 158.434+/-0.022 χ^2/NDF:2538005.7/43

Out: 156.810+/-0.020 χ^2/NDF:2737535.4/51

All: 157.569+/-0.015 χ^2/NDF: 5278567.2/95



Right In: -126.623+/-59.683 χ^2/NDF: 19.5/20

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: -149.507+/-53.668 χ^2/NDF: 17.0/24

Left In: 115.974+/-43.605 χ^2/NDF:7.6/22

Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

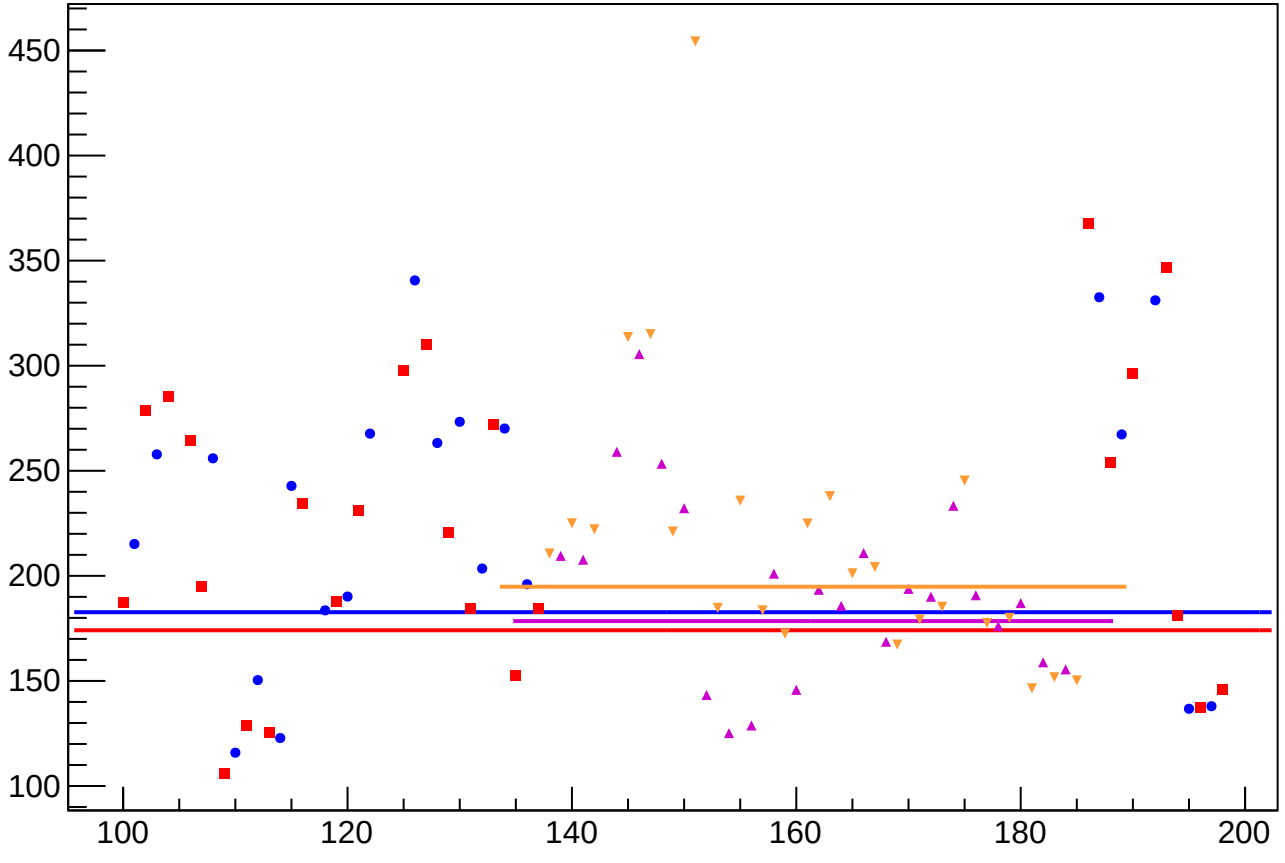
Right: -139.276+/-39.907 χ^2/NDF: 36.6/45

In: 31.547+/-35.209 χ^2/NDF:37.9/43

Out: 18.153+/-35.327 χ^2/NDF:44.2/48

All: 24.872+/-24.938 χ^2/NDF: 82.1/92

asym_bcm_2an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 182.705+/-0.042 χ^2/NDF: 2032435.8/20

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 174.110+/-0.038 χ^2/NDF: 2687617.7/24

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

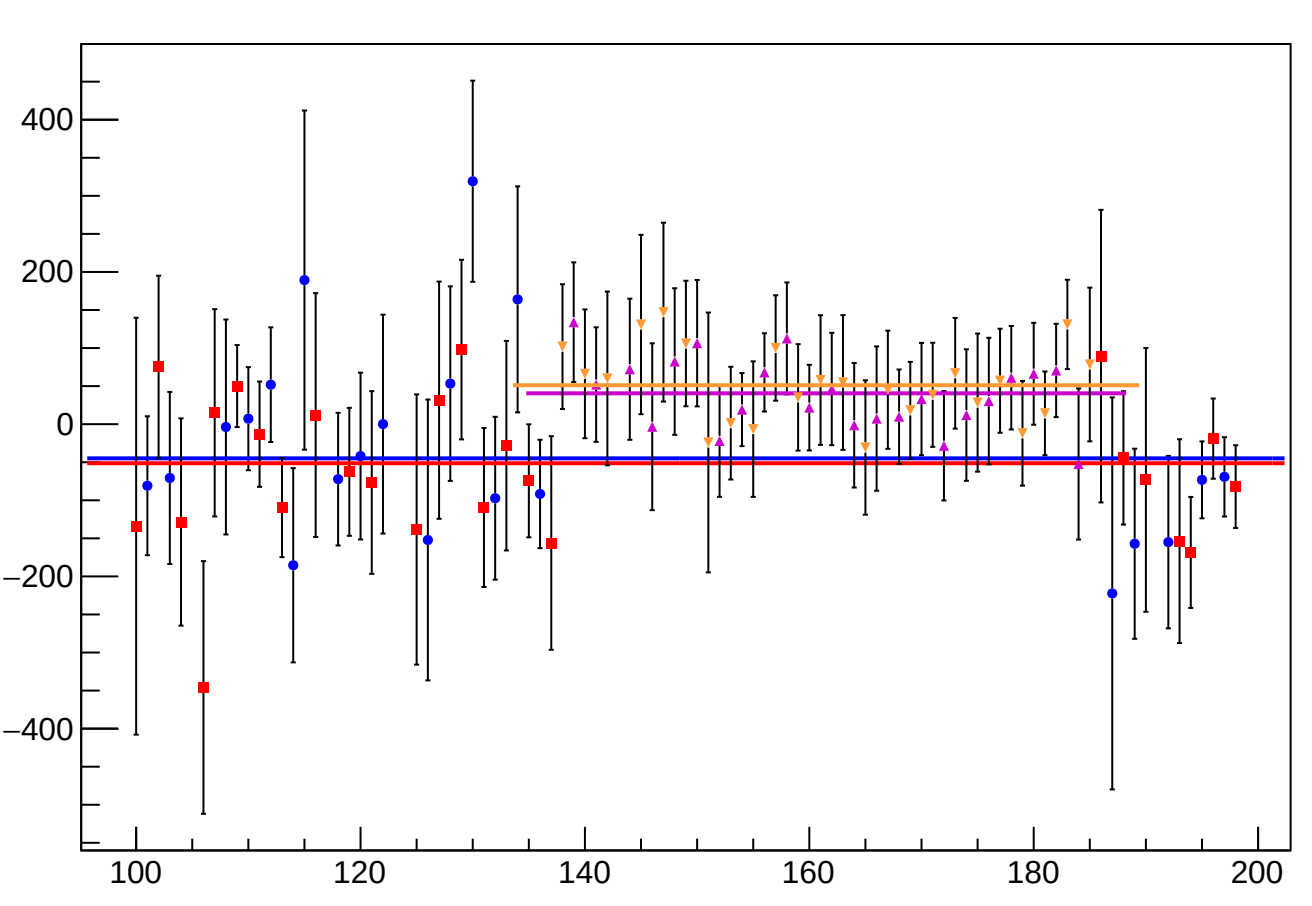
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 177.953+/-0.028 χ^2/NDF: 4742986.4/45

In: 179.947+/-0.025 χ^2/NDF:3715251.4/43

Out: 185.851+/-0.025 χ^2/NDF:4609000.6/48

All: 182.889+/-0.018 χ^2/NDF: 8352272.4/92



Right In: -44.885+/-20.490 χ^2/NDF: 19.0/20

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: -51.305+/-18.505 χ^2/NDF: 17.3/24

Left In: 40.540+/-14.978 χ^2/NDF:7.9/22

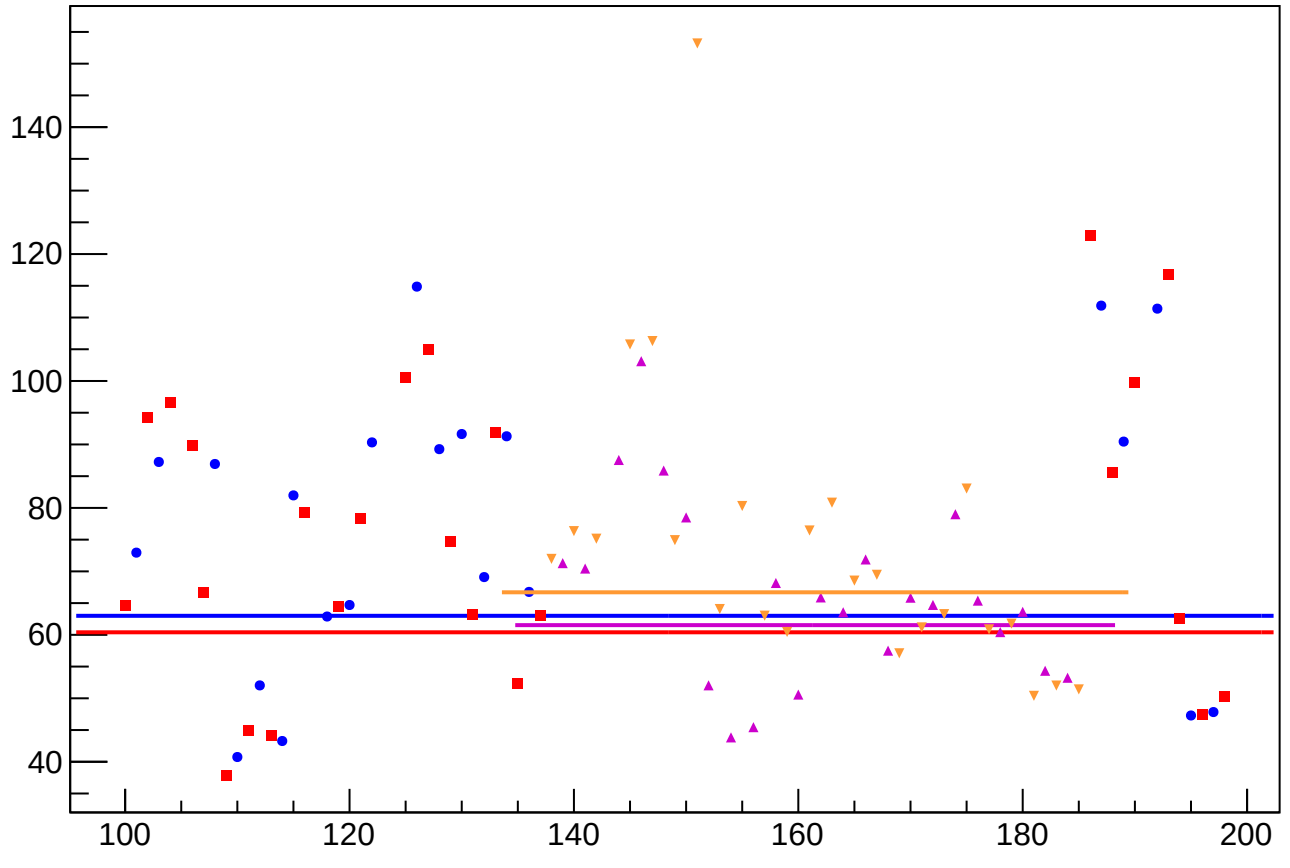
Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

Right: -48.421+/-13.733 χ^2/NDF: 36.4/45

In: 10.790+/-12.092 χ^2/NDF:38.2/43

Out: 7.211+/-12.119 χ^2/NDF:43.0/48

All: 9.005+/-8.560 χ^2/NDF: 81.2/92



Right In: 62.999+/-0.014 χ^2/NDF: 1883840.8/20

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 60.400+/-0.013 χ^2/NDF: 2474305.6/24

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

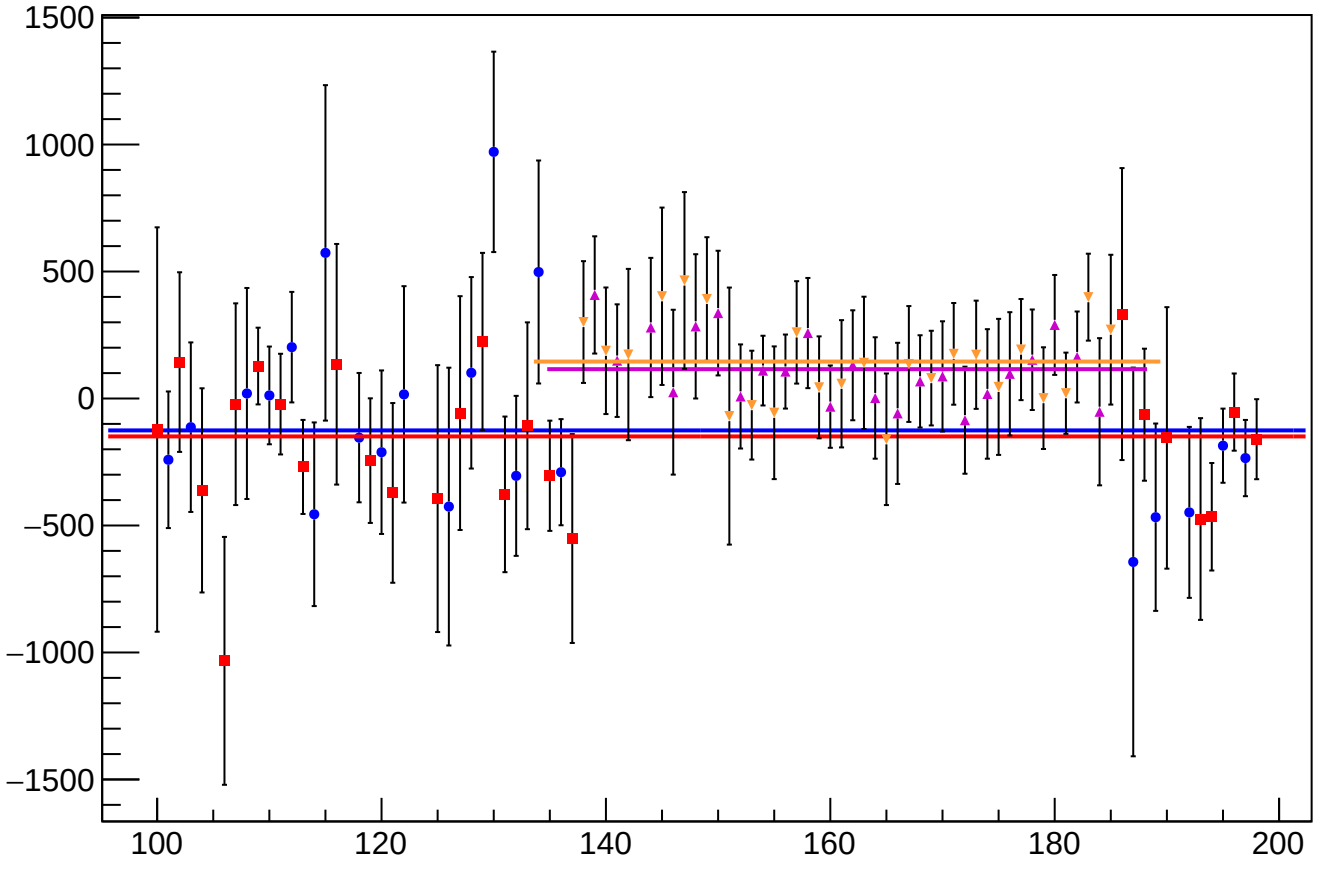
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 61.567+/-0.010 χ^2/NDF: 4375867.0/45

In: 62.041+/-0.009 χ^2/NDF:3380398.3/43

Out: 64.000+/-0.009 χ^2/NDF:4283146.9/48

All: 63.018+/-0.006 χ^2/NDF: 7689728.1/92



Right In: -125.626+/-59.612 χ^2/NDF: 19.5/20

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: -149.275+/-53.600 χ^2/NDF: 17.0/24

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

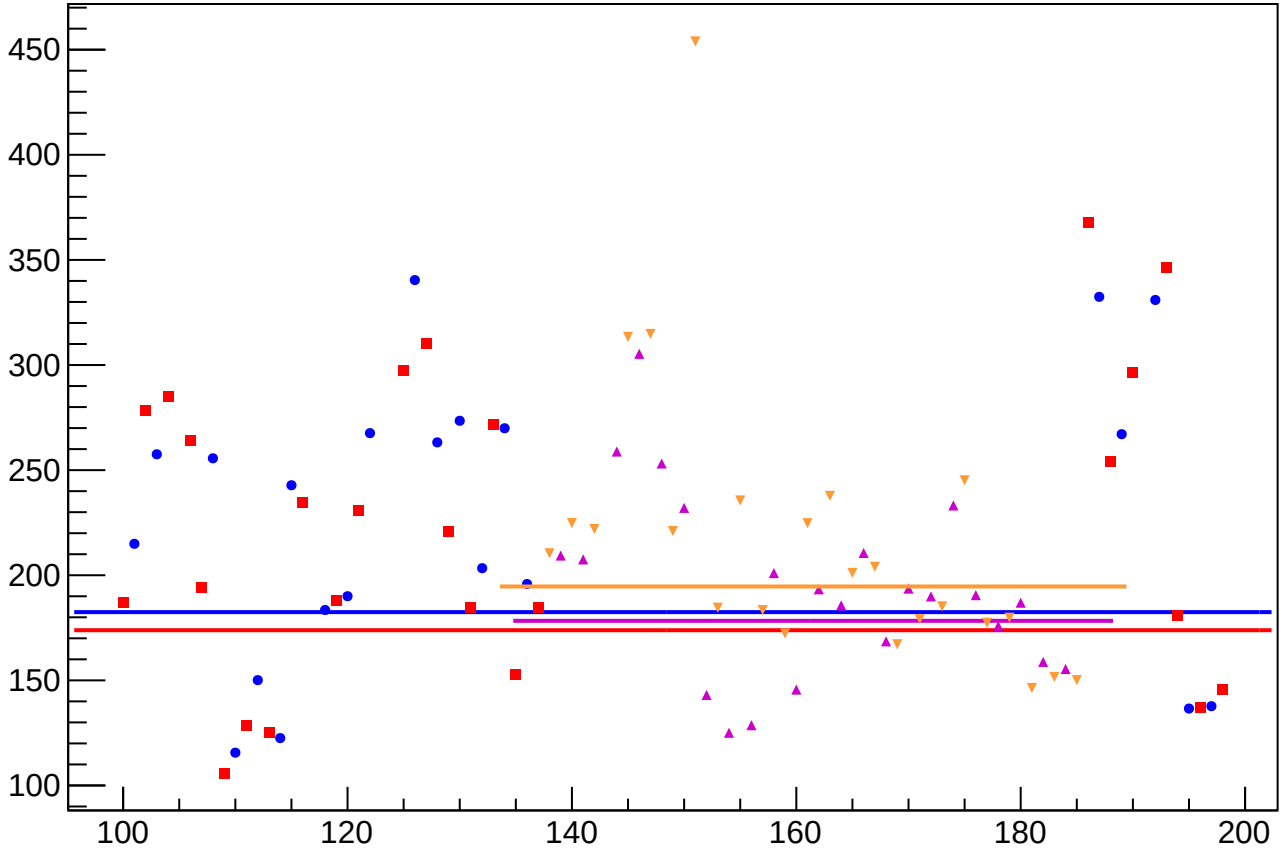
Right: -138.703+/-39.857 χ^2/NDF: 36.6/45

In: 31.537+/-35.175 χ^2/NDF:37.9/43

Out: 17.697+/-35.291 χ^2/NDF:44.4/48

All: 24.640+/-24.913 χ^2/NDF: 82.4/92

asym_bcm_an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 182.457+/-0.042 χ^2/NDF: 2038659.1/20

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 173.854+/-0.038 χ^2/NDF: 2696123.8/24

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

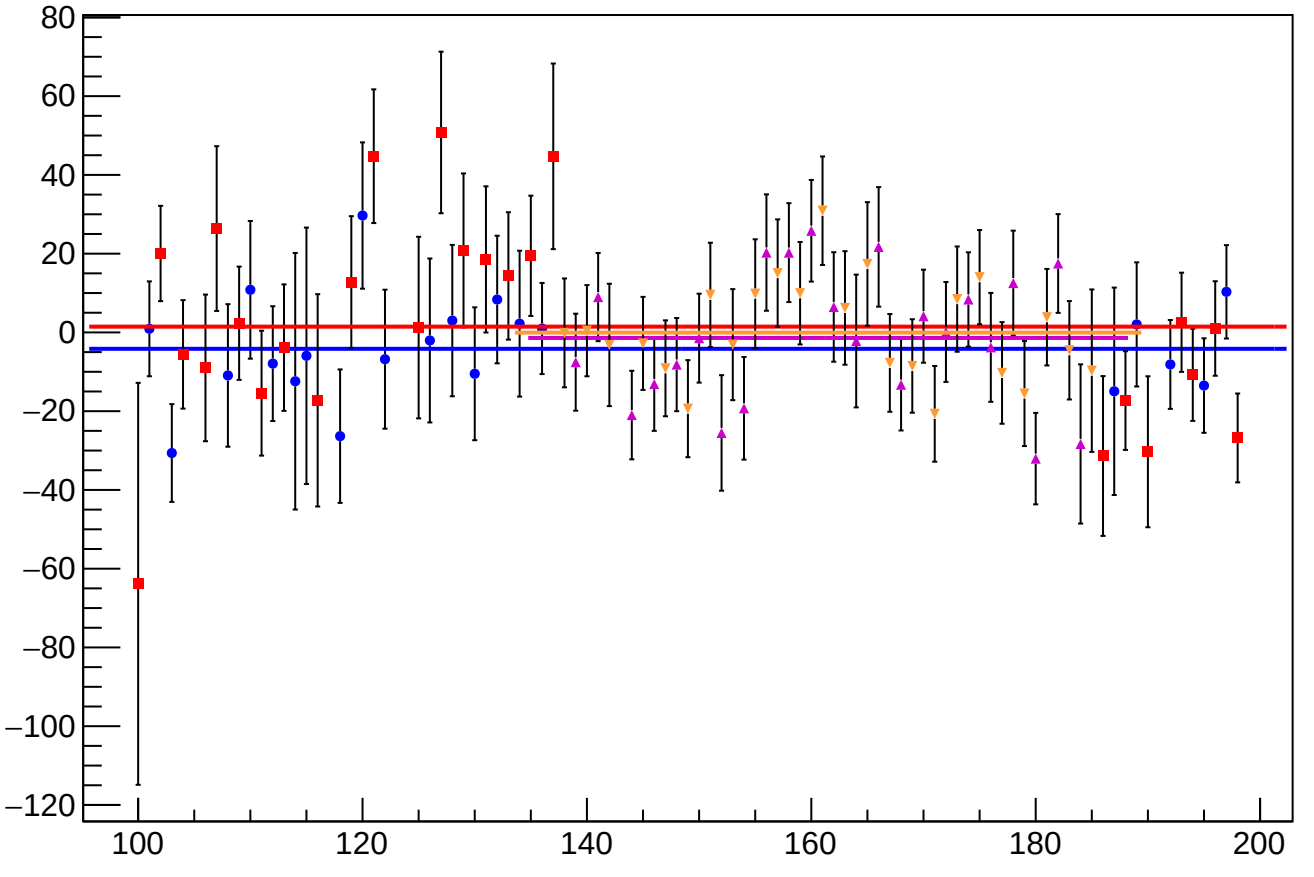
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 177.700+/-0.028 χ^2/NDF: 4757813.6/45

In: 179.759+/-0.025 χ^2/NDF:3723280.0/43

Out: 185.640+/-0.025 χ^2/NDF:4619939.5/48

All: 182.690+/-0.018 χ^2/NDF: 8371080.9/92



Right In: -4.163+/-3.411 χ^2/NDF: 14.5/20

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: 1.468+/-3.188 χ^2/NDF: 42.7/24

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

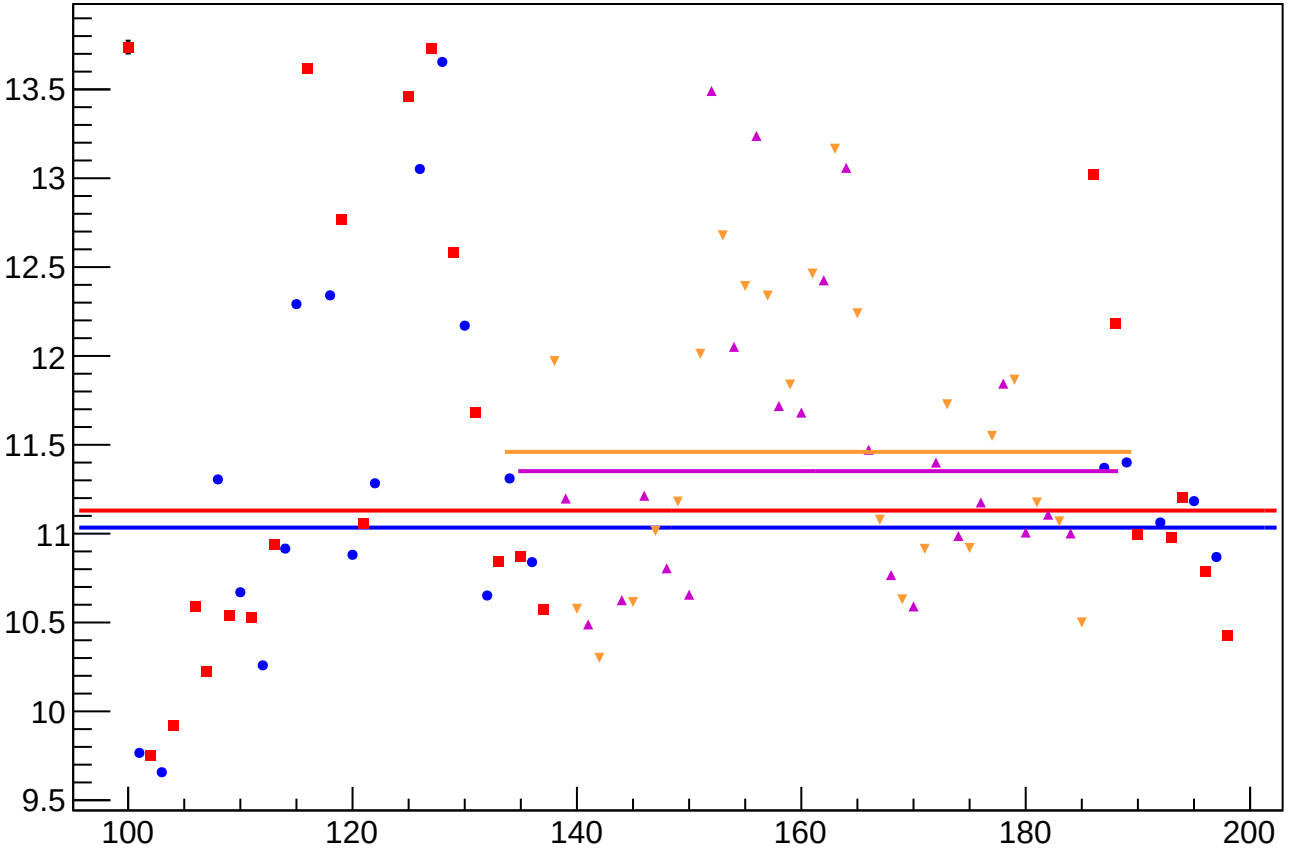
Right: -1.158+/-2.329 χ^2/NDF: 58.6/45

In: -2.456+/-2.104 χ^2/NDF:51.3/43

Out: 0.582+/-2.054 χ^2/NDF:63.3/48

All: -0.900+/-1.470 χ^2/NDF: 115.6/92

asym_bcm_an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 11.034+/-0.002 χ^2/NDF: 138422.0/20

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 11.130+/-0.002 χ^2/NDF: 203873.6/24

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

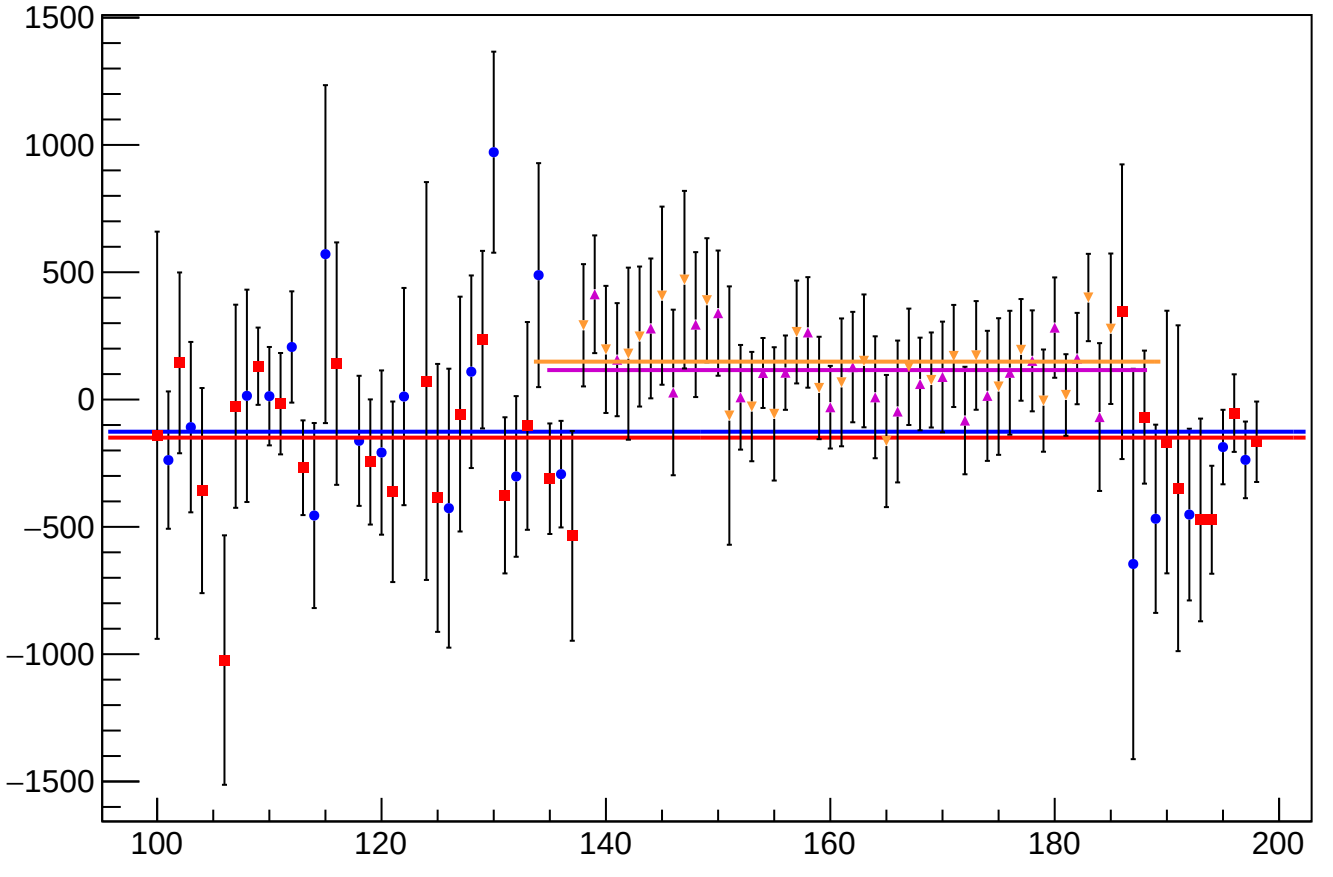
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 11.085+/-0.002 χ^2/NDF: 343141.0/45

In: 11.231+/-0.001 χ^2/NDF:319736.4/43

Out: 11.323+/-0.001 χ^2/NDF:366850.3/48

All: 11.278+/-0.001 χ^2/NDF: 688559.9/92



Right In: -126.274+/-59.774 χ^2/NDF: 19.5/20

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -149.544+/-53.443 χ^2/NDF: 17.2/26

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

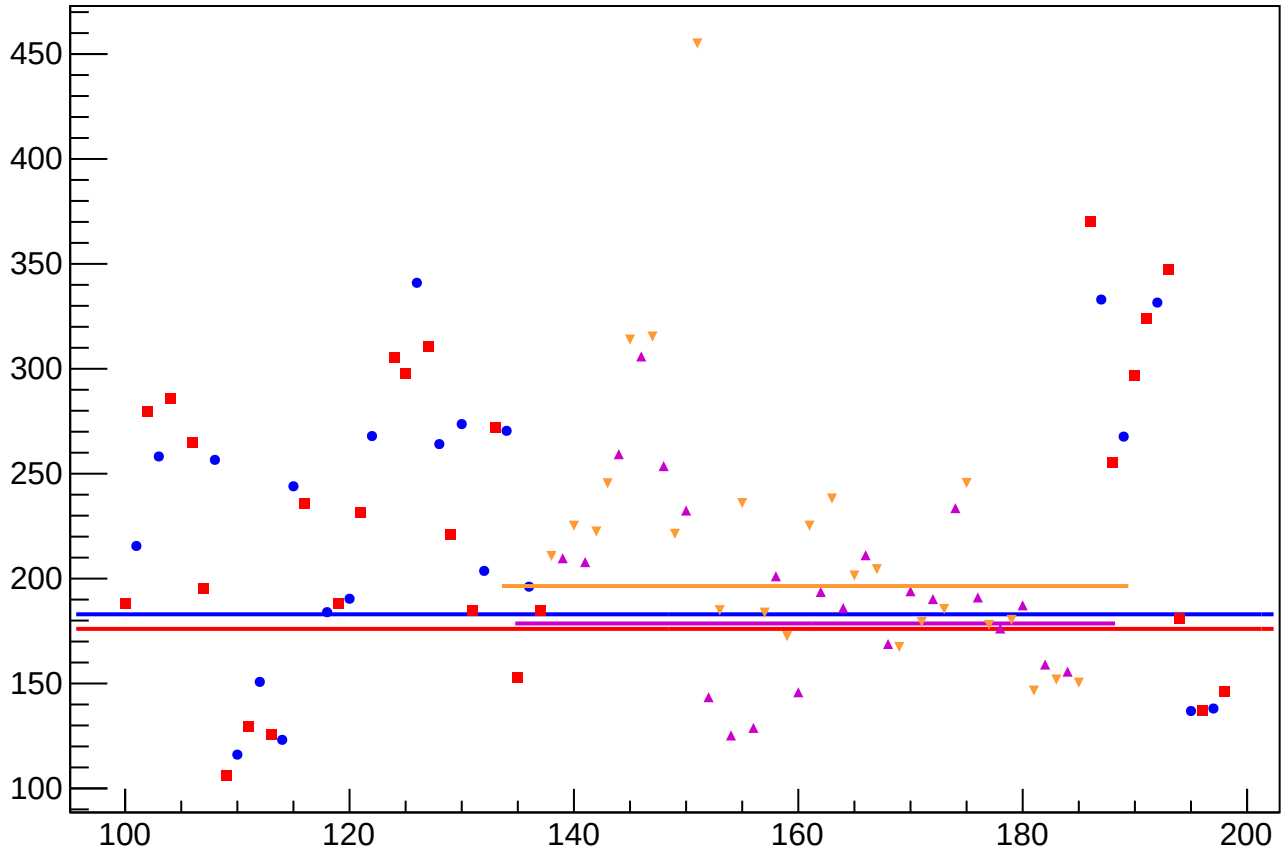
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -139.206+/-39.841 χ^2/NDF: 36.8/47

In: 31.572+/-35.247 χ^2/NDF:38.0/43

Out: 20.924+/-34.997 χ^2/NDF:45.5/51

All: 26.210+/-24.834 χ^2/NDF: 83.6/95



Right In: 182.981+/-0.042 χ^2/NDF: 2032820.9/20

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 176.034+/-0.038 χ^2/NDF: 2856078.6/26

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

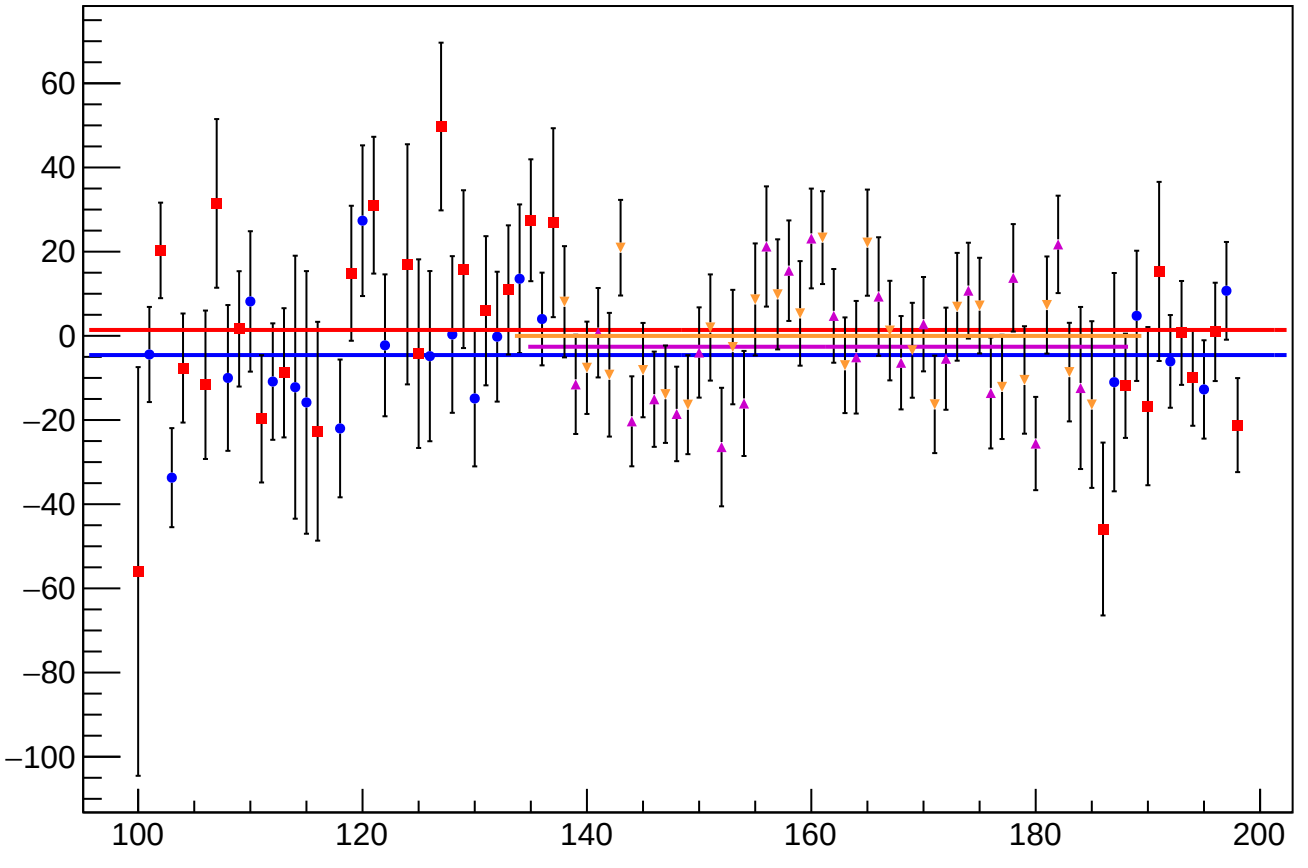
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 179.120+/-0.028 χ^2/NDF: 4903916.3/47

In: 180.132+/-0.025 χ^2/NDF:3718645.4/43

Out: 187.697+/-0.025 χ^2/NDF:4841614.4/51

All: 183.942+/-0.018 χ^2/NDF: 8606653.6/95



Right In: -4.566+/-3.277 χ^2/NDF: 16.4/20

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 1.398+/-3.024 χ^2/NDF: 39.5/26

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

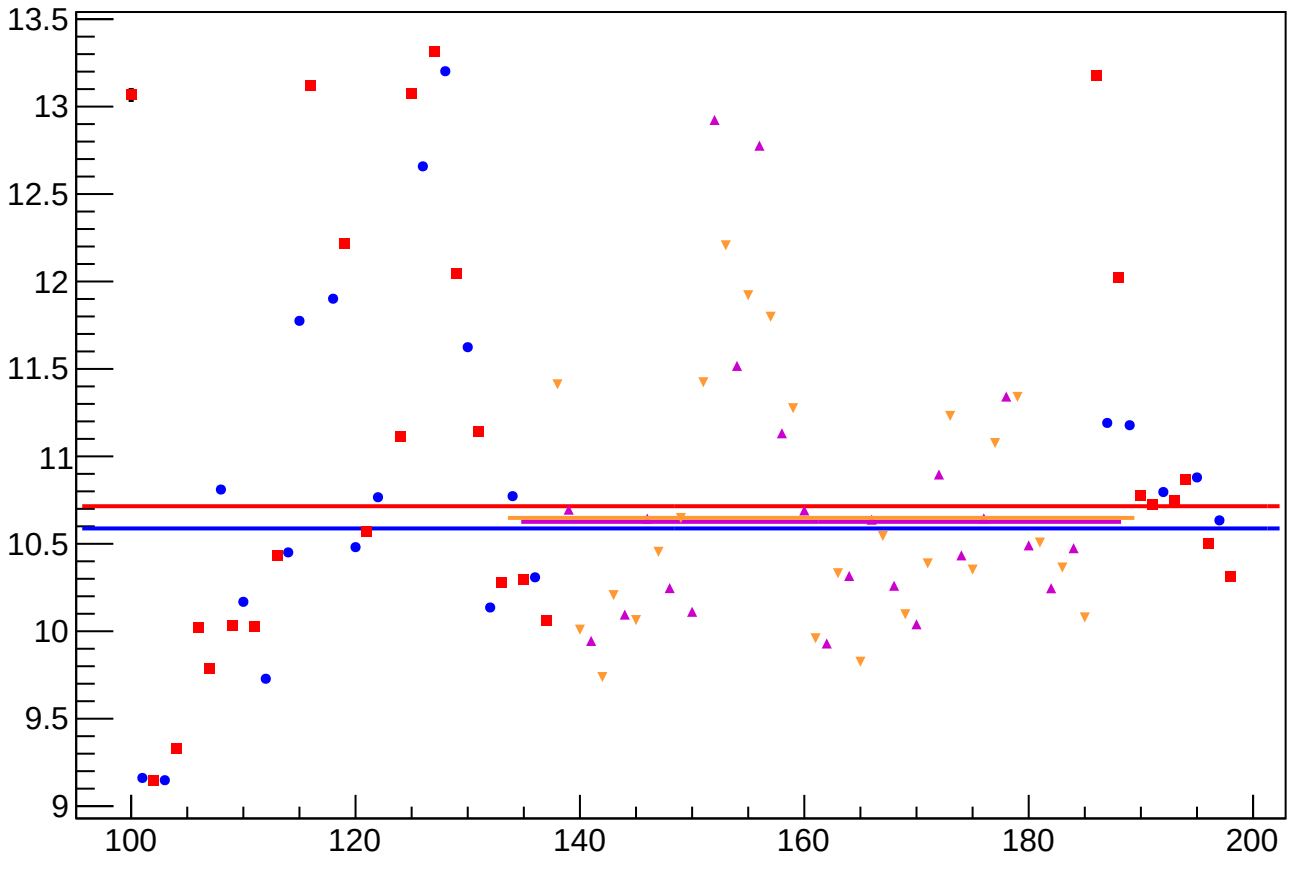
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: -1.345+/-2.223 χ^2/NDF: 57.7/47

In: -3.320+/-1.991 χ^2/NDF:51.4/43

Out: 0.542+/-1.901 χ^2/NDF:63.4/51

All: -1.300+/-1.375 χ^2/NDF: 116.7/95



Right In: 10.588+/-0.002 χ^2/NDF: 165126.4/20

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.715+/-0.002 χ^2/NDF: 245403.2/26

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

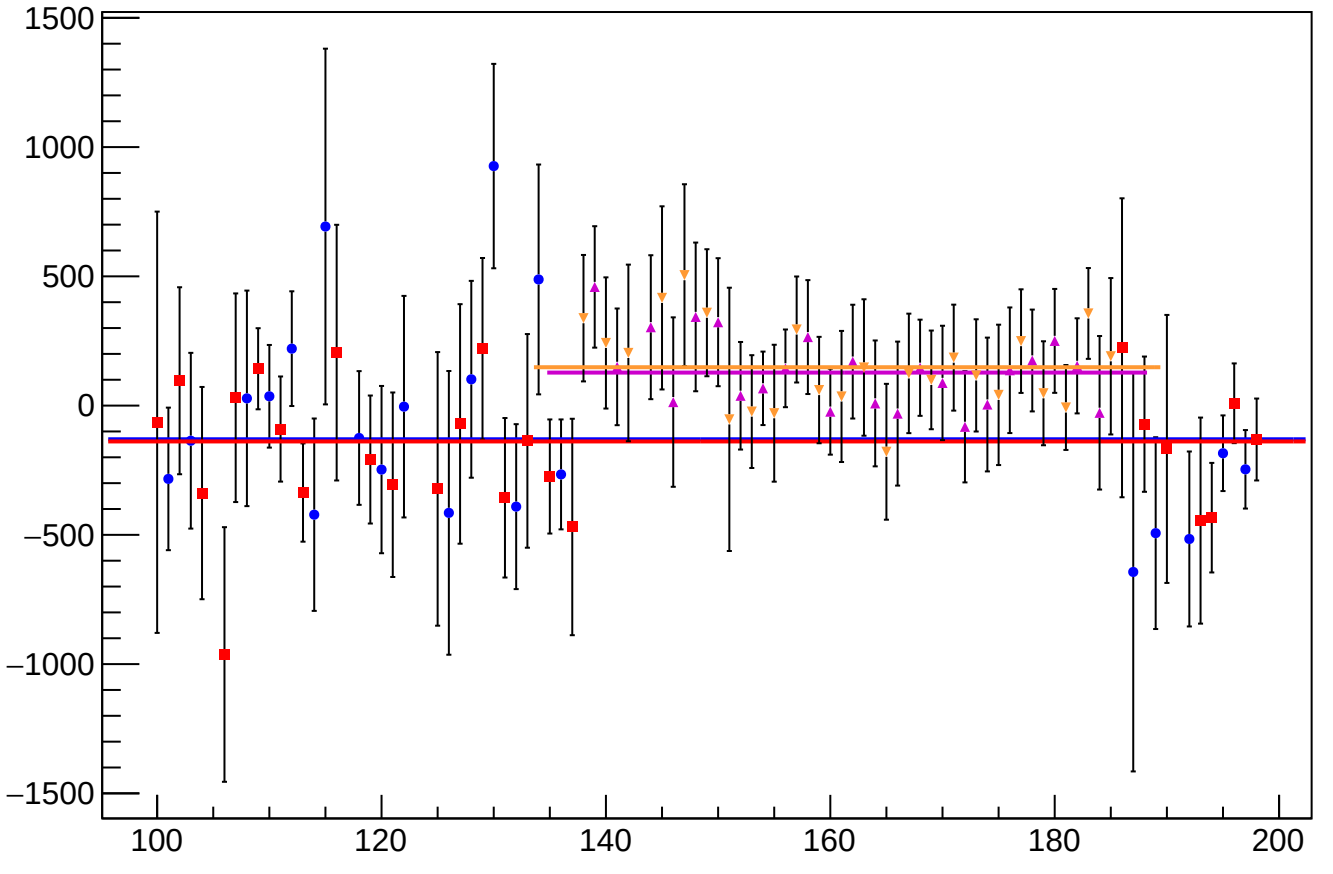
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.657+/-0.002 χ^2/NDF: 412153.8/47

In: 10.612+/-0.001 χ^2/NDF:324837.2/43

Out: 10.675+/-0.001 χ^2/NDF:389528.0/51

All: 10.645+/-0.001 χ^2/NDF: 715409.2/95



Right In: -130.252+/-60.425 χ^2/NDF: 20.1/20

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: -138.644+/-54.489 χ^2/NDF: 15.4/24

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

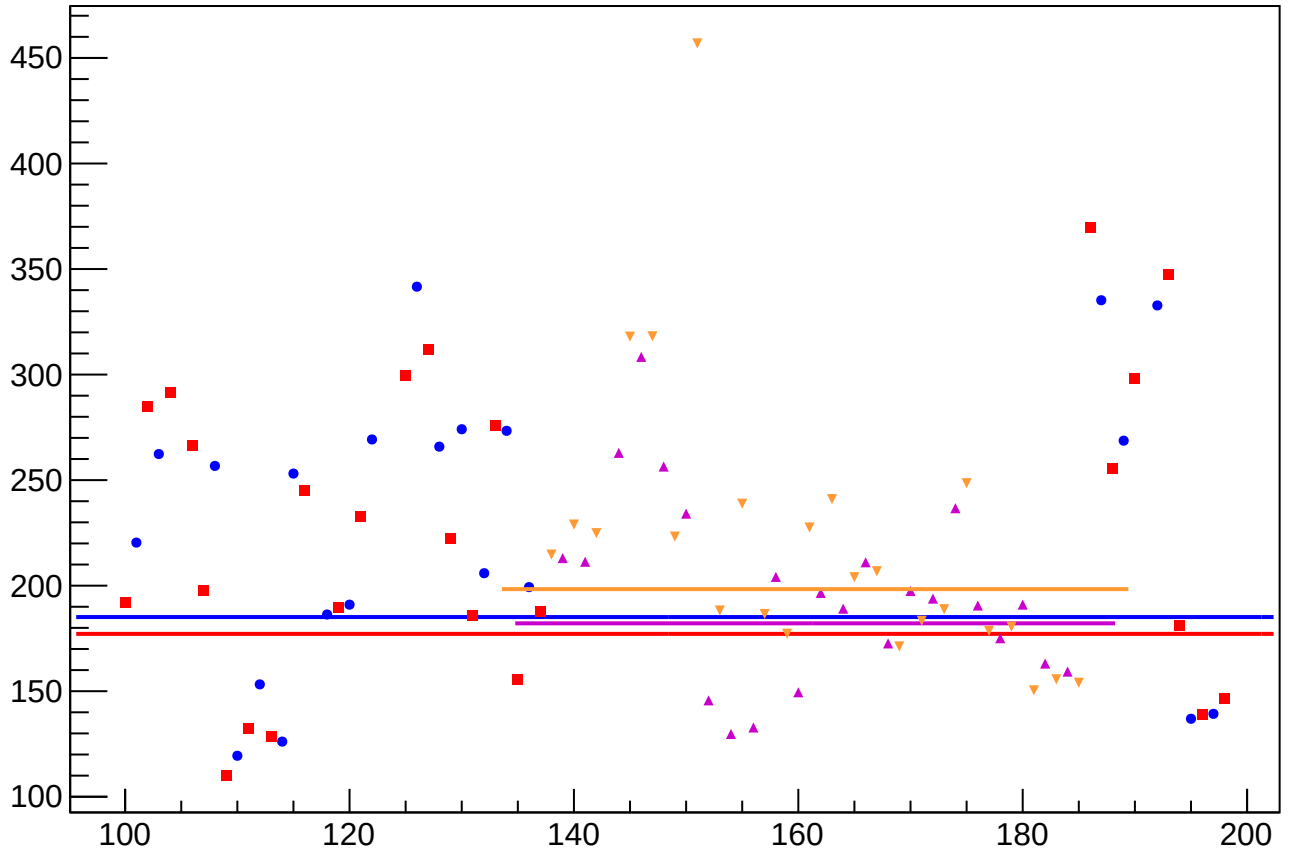
Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

Right: -134.880+/-40.466 χ^2/NDF: 35.5/45

In: 37.195+/-35.793 χ^2/NDF:39.8/43

Out: 23.827+/-35.899 χ^2/NDF:41.0/48

All: 30.531+/-25.347 χ^2/NDF: 80.8/92



Right In: 185.125+/-0.043 χ^2/NDF: 2009955.4/20

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 177.161+/-0.039 χ^2/NDF: 2612091.3/24

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

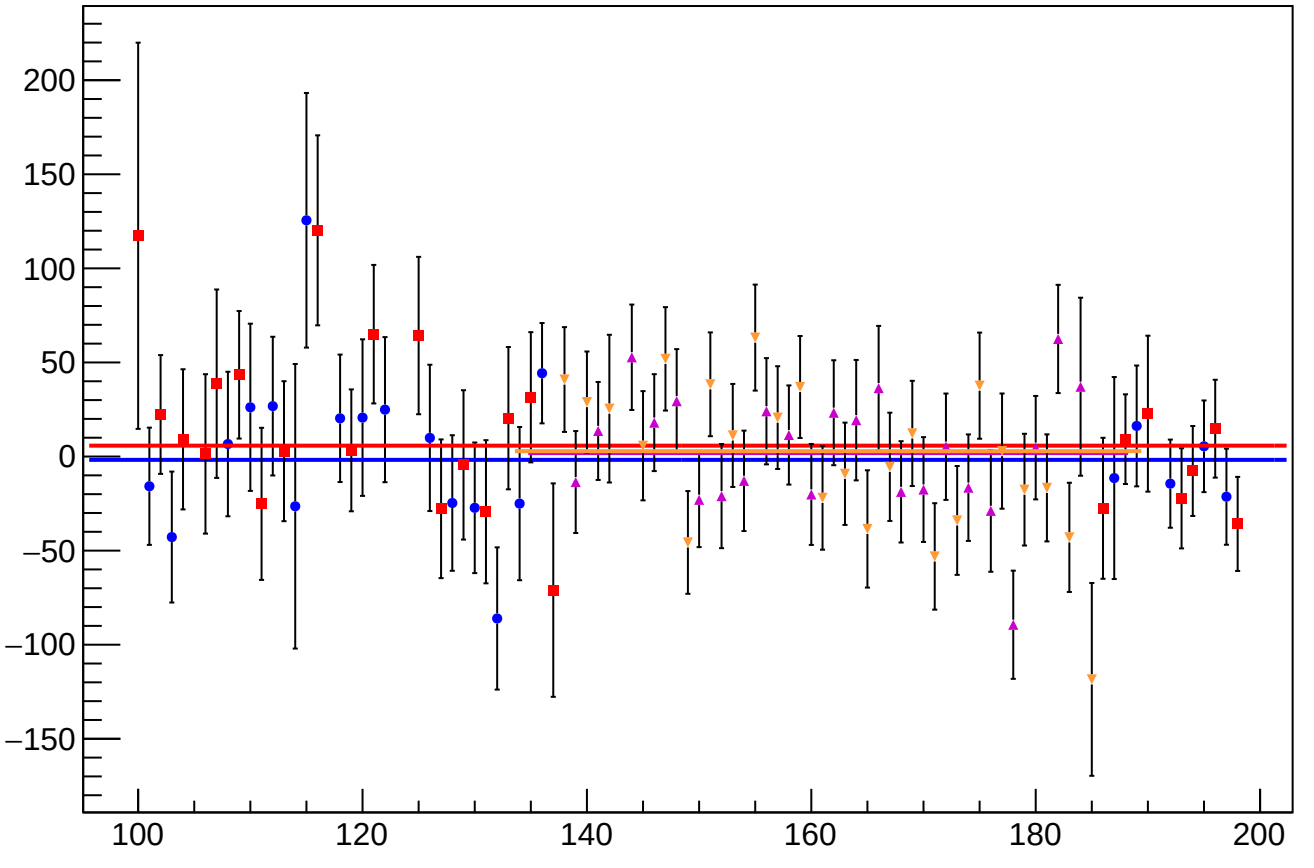
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 180.732+/-0.029 χ^2/NDF: 4641210.4/45

In: 183.194+/-0.025 χ^2/NDF:3597460.3/43

Out: 189.153+/-0.025 χ^2/NDF:4480337.7/48

All: 186.165+/-0.018 χ^2/NDF: 8105433.8/92



Right In: -1.763+/-7.533 χ^2/NDF: 18.1/20

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: 5.783+/-6.927 χ^2/NDF: 23.0/24

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

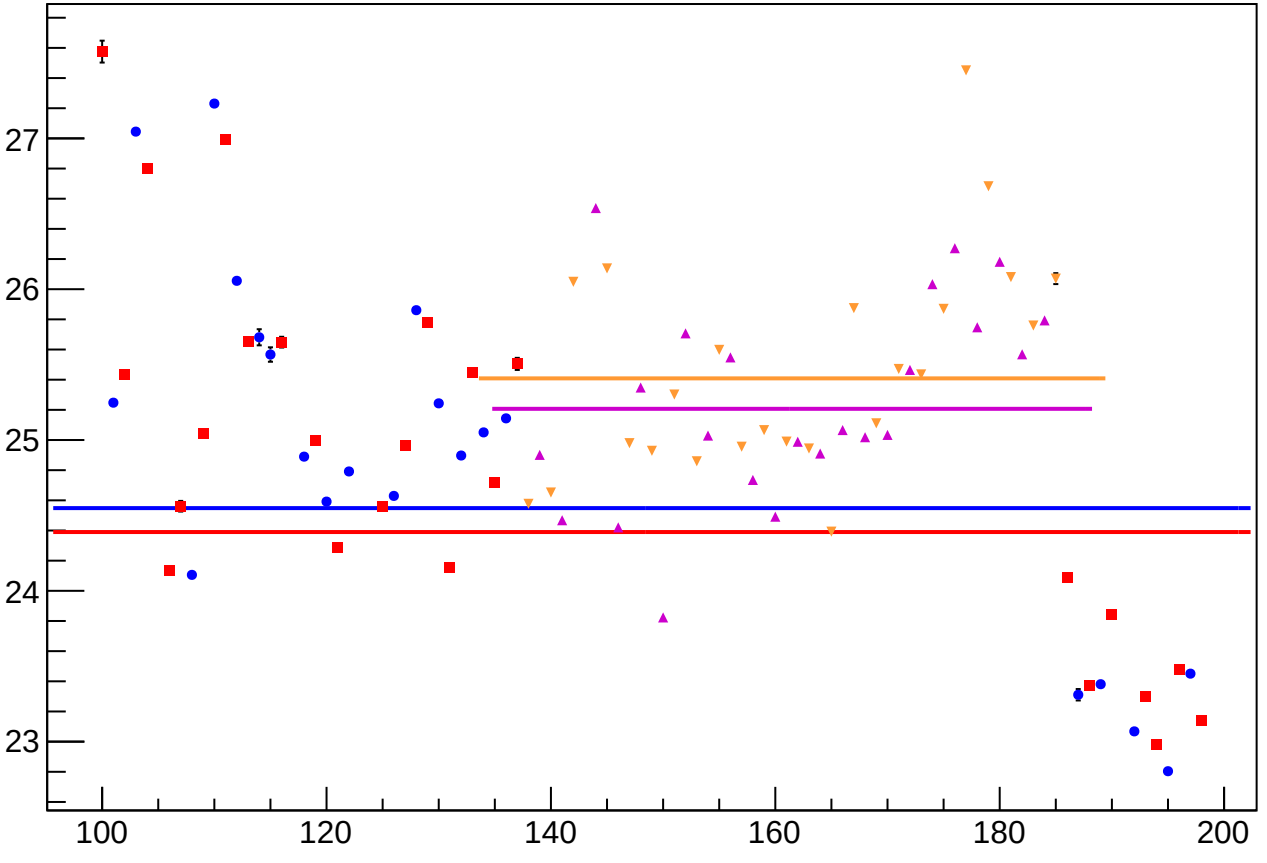
Right: 2.326+/-5.099 χ^2/NDF: 41.7/45

In: 0.478+/-4.641 χ^2/NDF:46.3/43

Out: 4.085+/-4.493 χ^2/NDF:60.0/48

All: 2.340+/-3.228 χ^2/NDF: 106.7/92

asym_bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 24.548+/-0.005 χ^2/NDF: 53974.0/20

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.390+/-0.005 χ^2/NDF: 53337.4/24

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

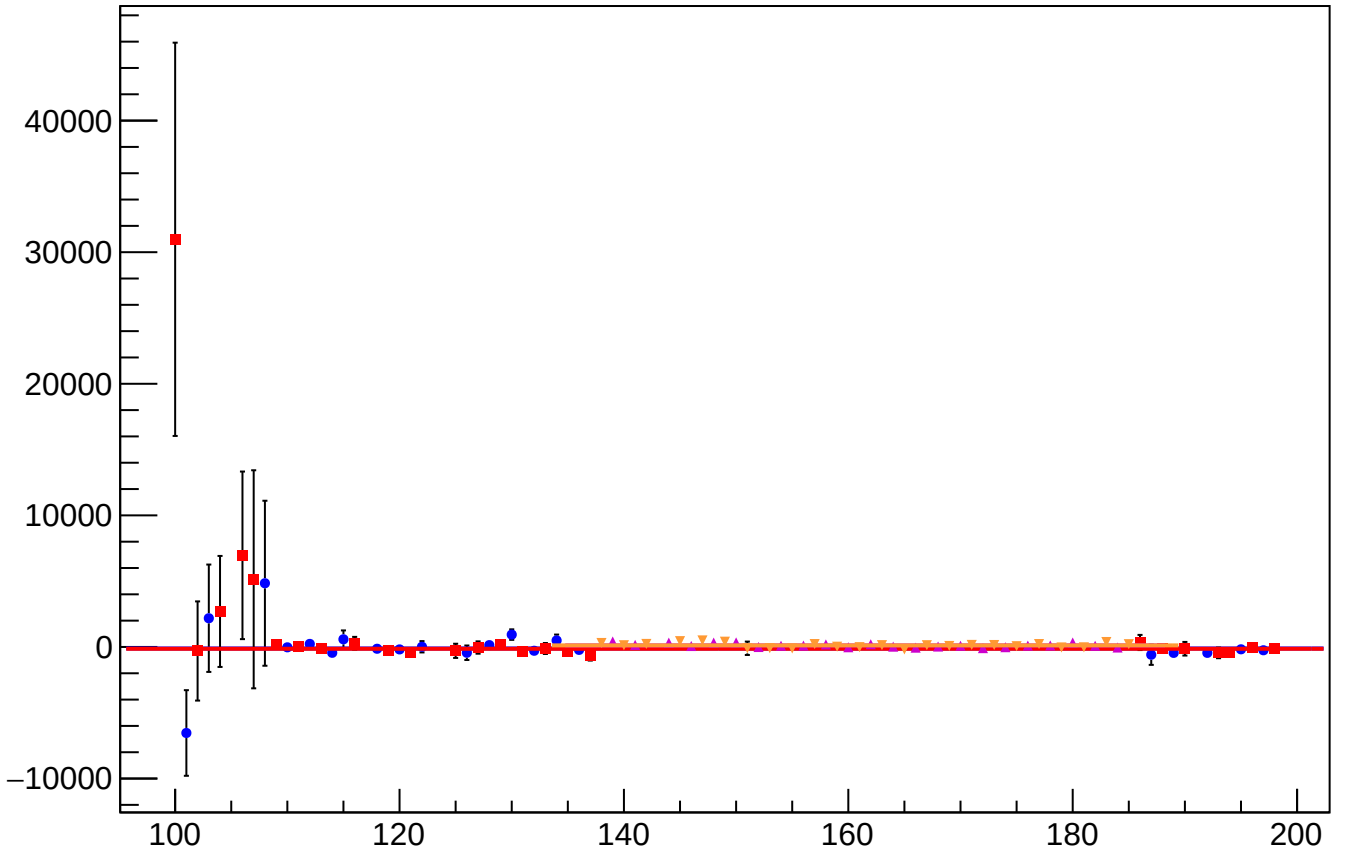
Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

Right: 24.463+/-0.004 χ^2/NDF: 107792.3/45

In: 24.957+/-0.003 χ^2/NDF:89278.1/43

Out: 24.980+/-0.003 χ^2/NDF:105266.2/48

All: 24.969+/-0.002 χ^2/NDF: 194569.8/92



Right In: -115.490+/-64.251 χ^2/NDF: 22.8/20

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: -137.582+/-58.847 χ^2/NDF: 17.9/24

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

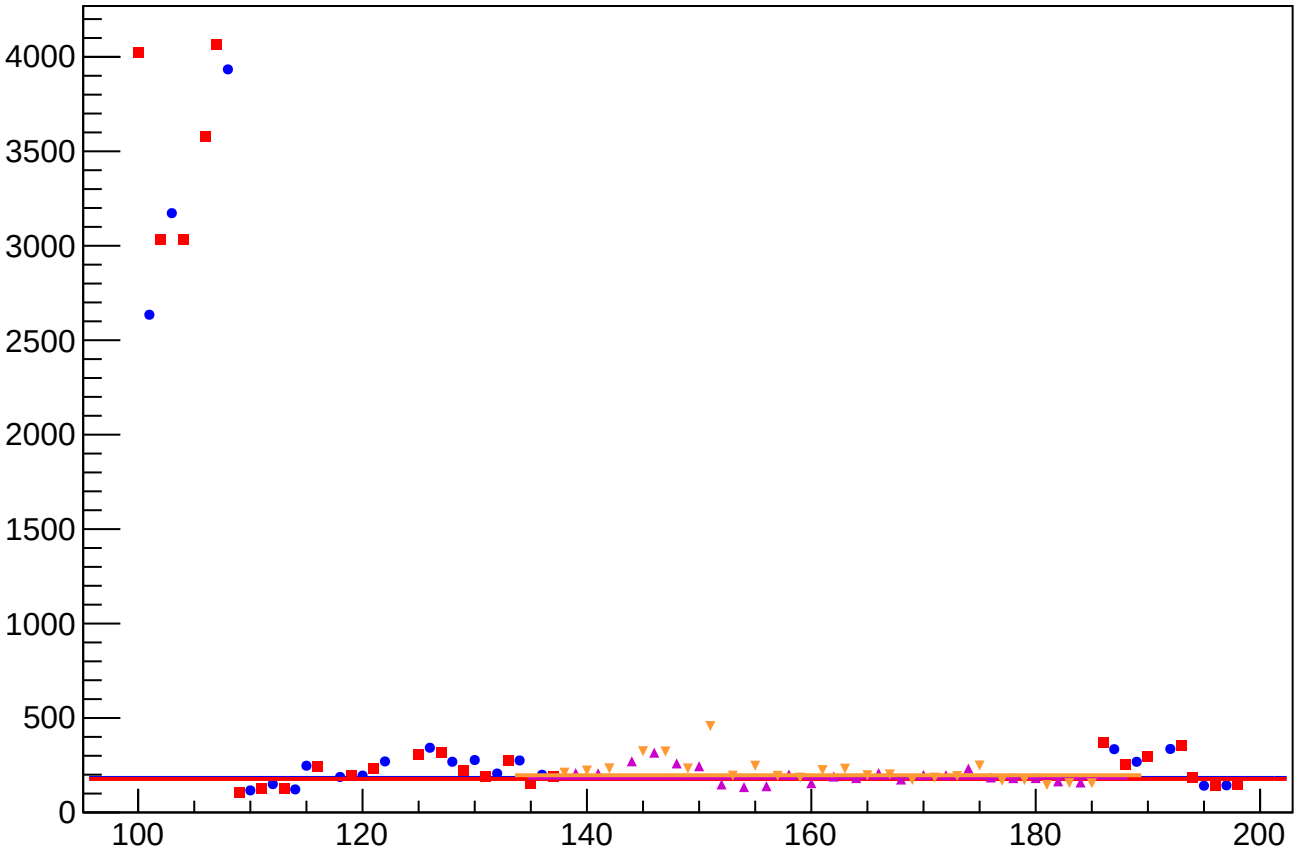
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -127.504+/-43.396 χ^2/NDF: 40.9/45

In: 40.468+/-36.741 χ^2/NDF:40.0/43

Out: 18.672+/-36.933 χ^2/NDF:41.5/48

All: 29.627+/-26.048 χ^2/NDF: 81.7/92



Right In: 182.594+/-0.045 χ^2/NDF: 4713792.0/20

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 177.381+/-0.042 χ^2/NDF: 5299240.2/24

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

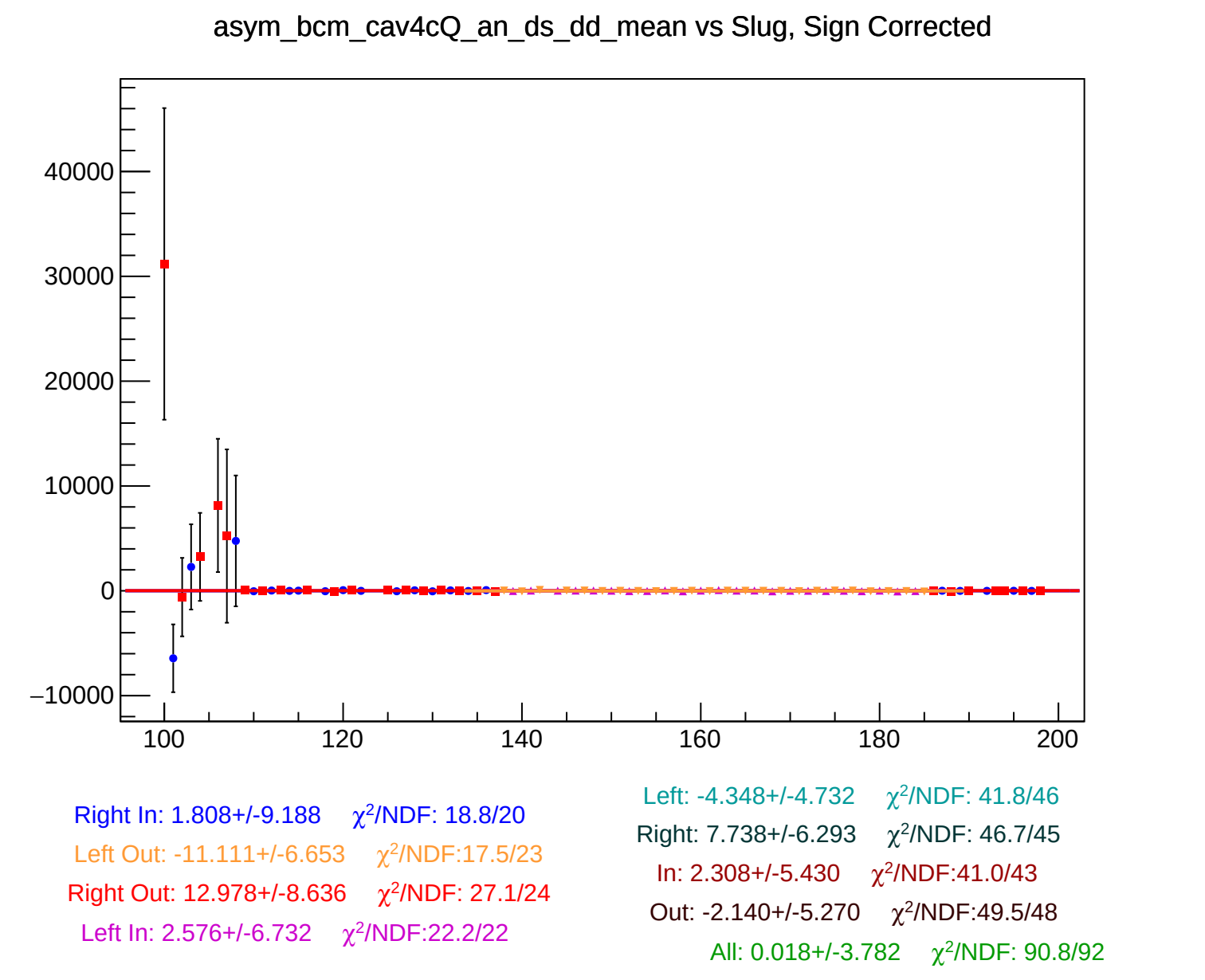
Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

Right: 179.759+/-0.031 χ^2/NDF: 10020190.0/45

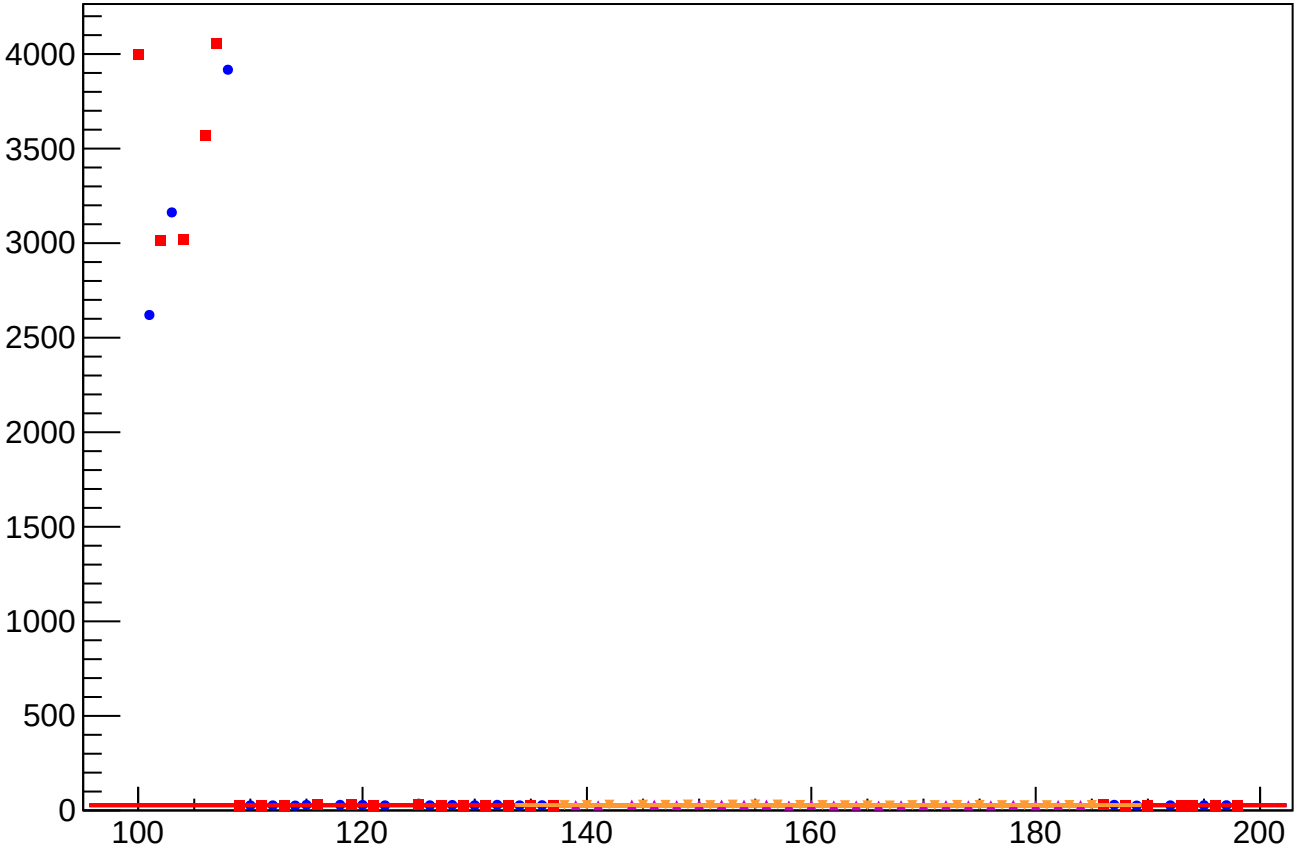
In: 183.574+/-0.026 χ^2/NDF:6159910.4/43

Out: 189.233+/-0.026 χ^2/NDF:7242346.3/48

All: 186.389+/-0.018 χ^2/NDF: 13425852.2/92


asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
Right In: 1.808+/-9.188 χ²/NDF: 18.8/20
Left Out: -11.111+/-6.653 χ²/NDF:17.5/23
Right Out: 12.978+/-8.636 χ²/NDF: 27.1/24
Left In: 2.576+/-6.732 χ²/NDF:22.2/22
Left: -4.348+/-4.732 χ²/NDF: 41.8/46
Right: 7.738+/-6.293 χ²/NDF: 46.7/45
In: 2.308+/-5.430 χ²/NDF:41.0/43
Out: -2.140+/-5.270 χ²/NDF:49.5/48
All: 0.018+/-3.782 χ²/NDF: 90.8/92

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 27.554+/-0.006 χ^2/NDF: 3274767.1/20

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.736+/-0.006 χ^2/NDF: 3575988.3/24

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

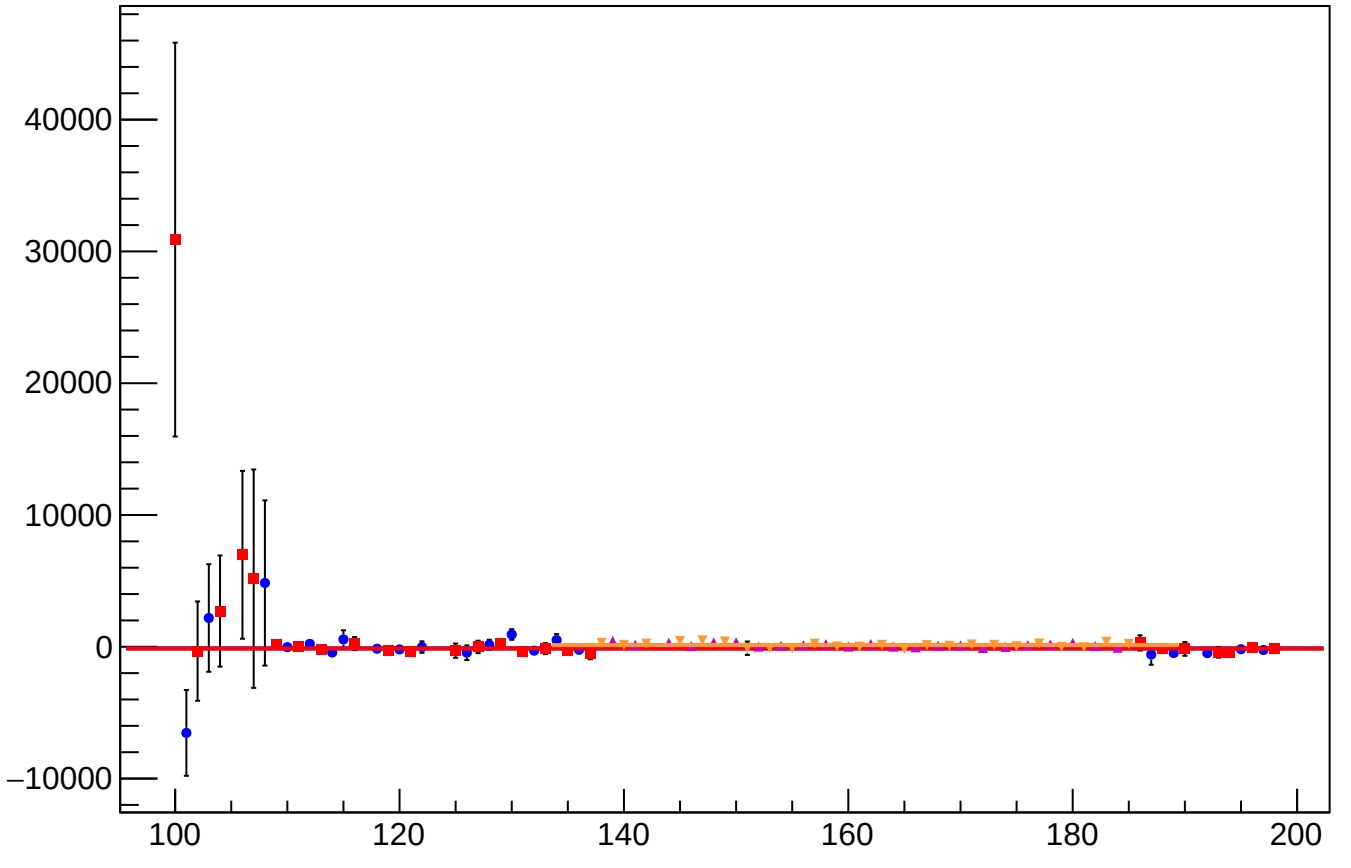
Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

Right: 27.651+/-0.004 χ^2/NDF: 6851171.8/45

In: 28.318+/-0.004 χ^2/NDF:3423377.3/43

Out: 28.273+/-0.004 χ^2/NDF:3669319.9/48

All: 28.295+/-0.003 χ^2/NDF: 7092765.7/92



Right In: -121.117+/-64.594 χ^2/NDF: 22.7/20

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: -133.703+/-59.162 χ^2/NDF: 16.6/24

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

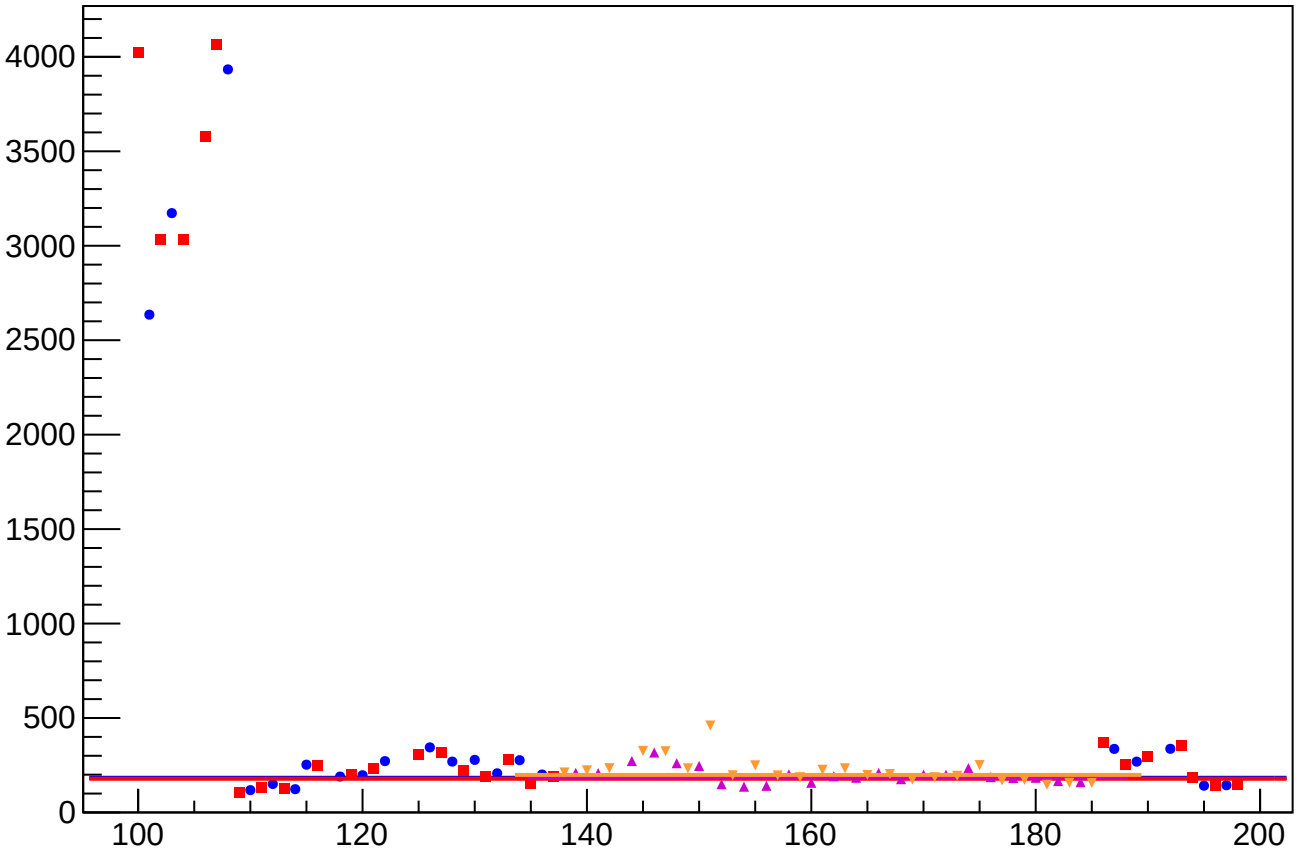
Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

Right: -127.961+/-43.628 χ^2/NDF: 39.3/45

In: 42.632+/-37.033 χ^2/NDF:40.3/43

Out: 23.518+/-37.206 χ^2/NDF:39.9/48

All: 33.120+/-26.247 χ^2/NDF: 80.3/92



Right In: 183.611+/-0.046 χ^2/NDF: 4707238.3/20

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 178.423+/-0.042 χ^2/NDF: 5283649.5/24

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

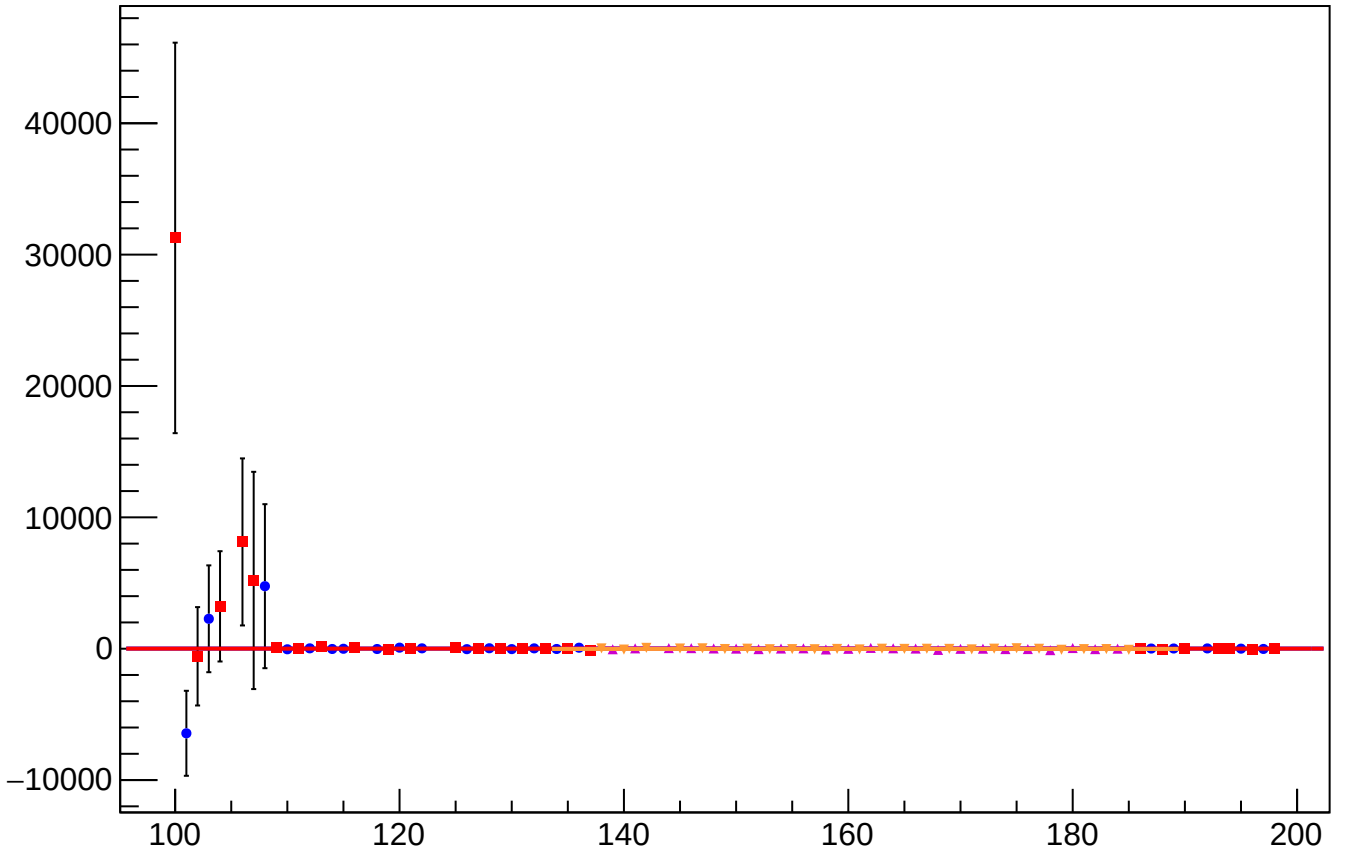
Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

Right: 180.790+/-0.031 χ^2/NDF: 9997903.5/45

In: 185.128+/-0.026 χ^2/NDF:6114407.6/43

Out: 190.703+/-0.026 χ^2/NDF:7212582.5/48

All: 187.903+/-0.019 χ^2/NDF: 13349541.6/92



Right In: 10.810+/-10.176 χ^2/NDF: 16.4/20

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: 5.218+/-9.540 χ^2/NDF: 34.1/24

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

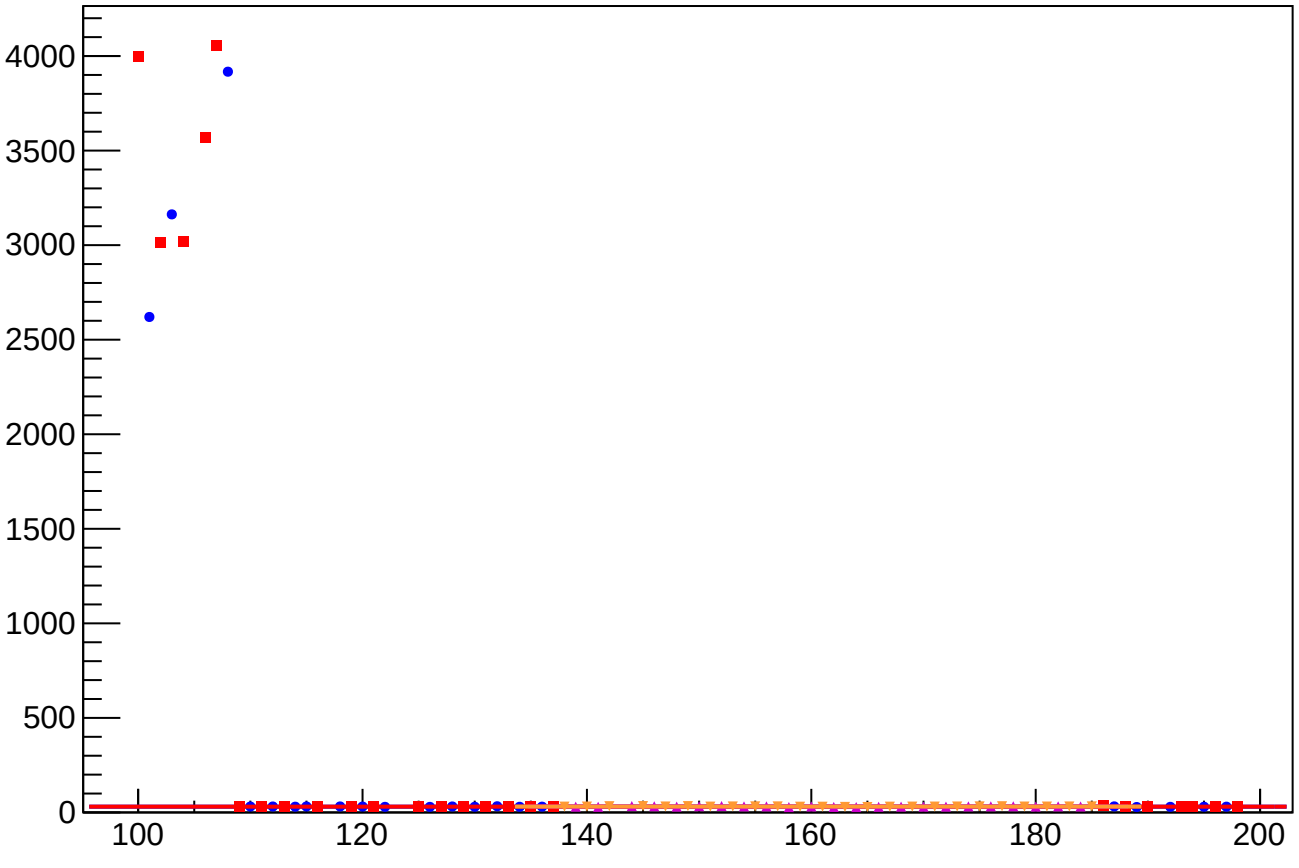
Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

Right: 7.834+/-6.960 χ^2/NDF: 50.7/45

In: 1.924+/-5.957 χ^2/NDF:53.1/43

Out: -9.605+/-5.777 χ^2/NDF:58.3/48

All: -4.017+/-4.147 χ^2/NDF: 113.3/92



Right In: 30.537+/-0.007 χ^2/NDF: 3261832.3/20

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.664+/-0.007 χ^2/NDF: 3552289.0/24

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

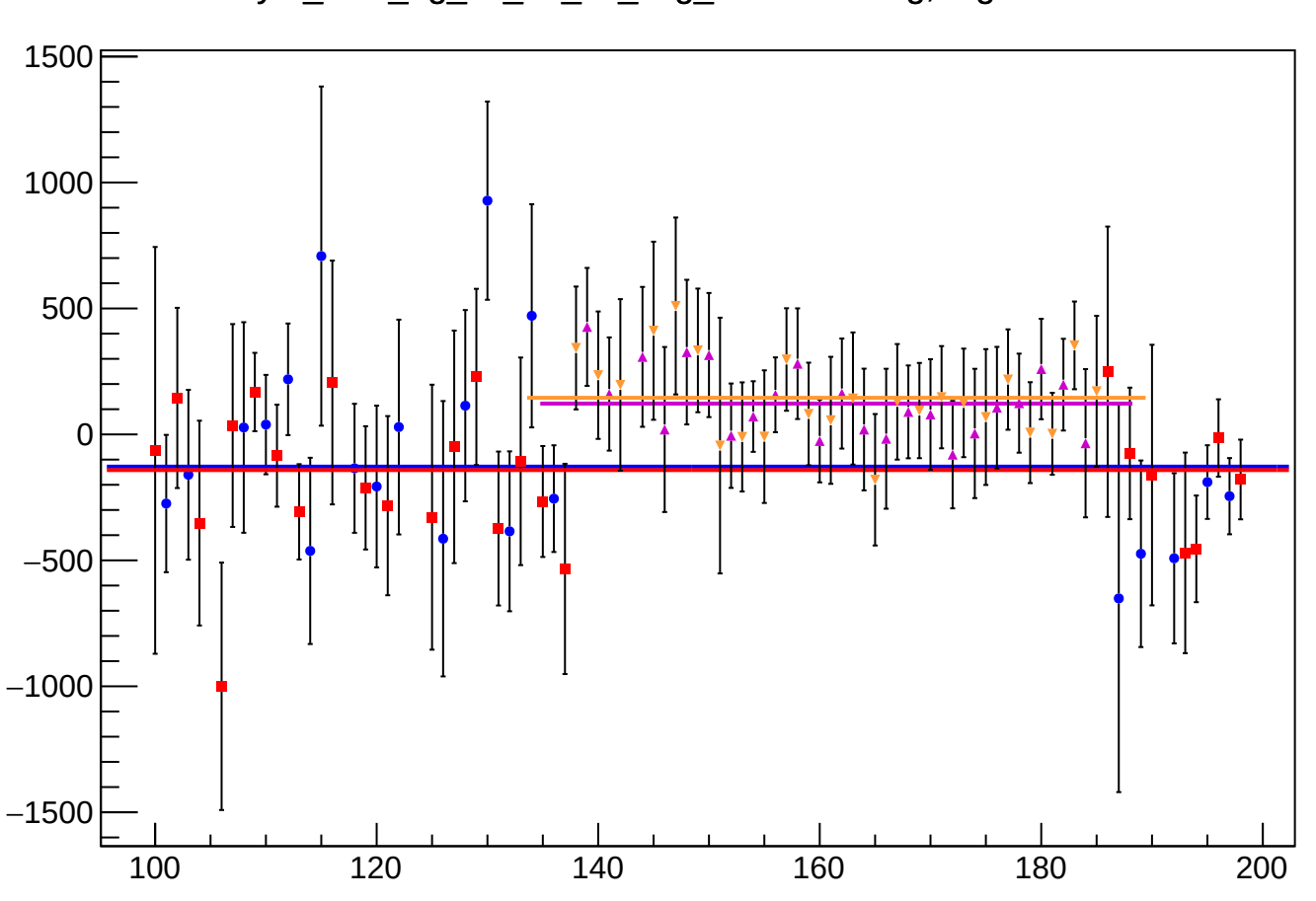
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.605+/-0.005 χ^2/NDF: 6814287.1/45

In: 31.091+/-0.004 χ^2/NDF:3356065.6/43

Out: 31.017+/-0.004 χ^2/NDF:3604032.7/48

All: 31.053+/-0.003 χ^2/NDF: 6960255.9/92



Right In: -127.928+/-60.159 χ^2/NDF: 20.2/20

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: -141.639+/-54.223 χ^2/NDF: 16.9/24

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

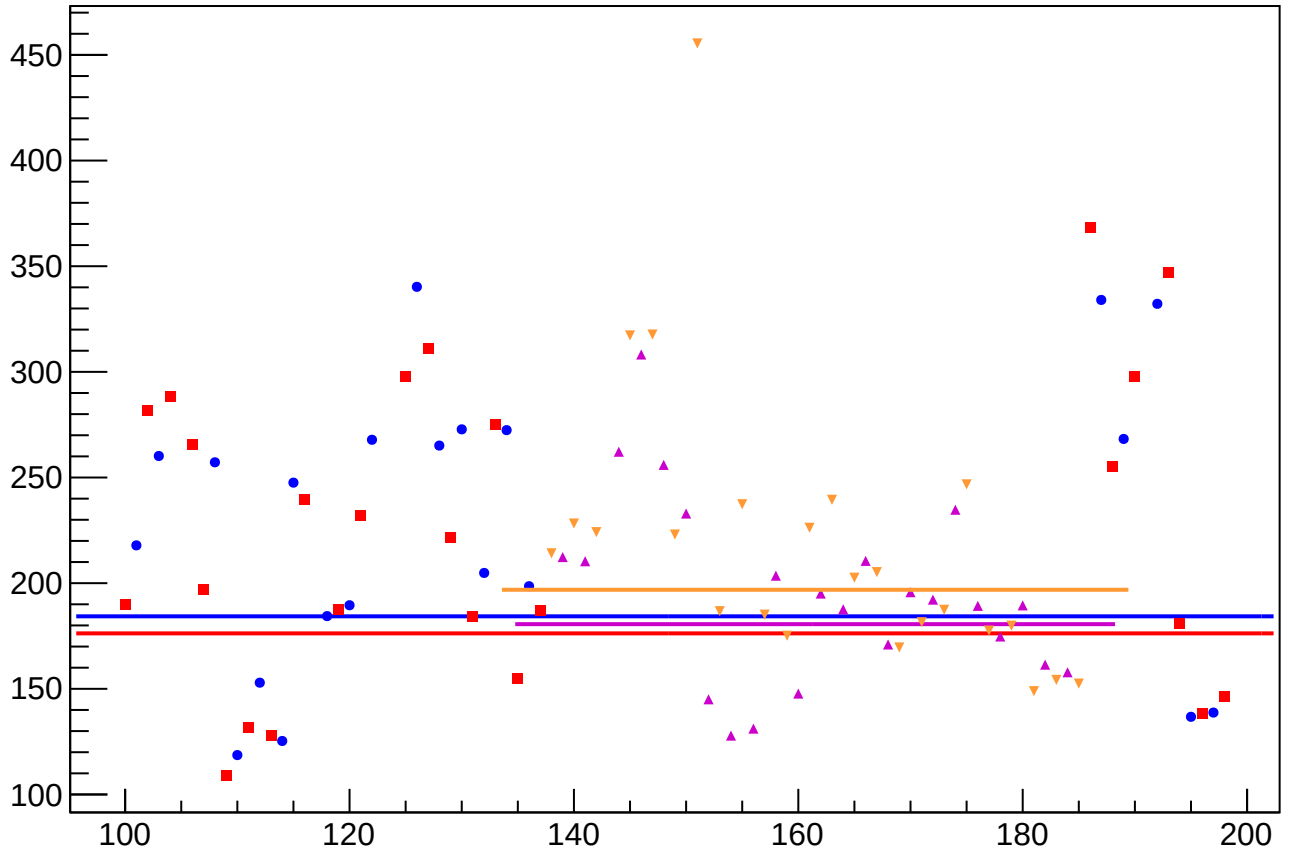
Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

Right: -135.493+/-40.277 χ^2/NDF: 37.1/45

In: 34.934+/-35.557 χ^2/NDF:39.3/43

Out: 21.045+/-35.683 χ^2/NDF:42.2/48

All: 28.014+/-25.187 χ^2/NDF: 81.5/92



Right In: 184.310+/-0.043 χ^2/NDF: 2005905.6/20

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 176.242+/-0.038 χ^2/NDF: 2614496.6/24

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

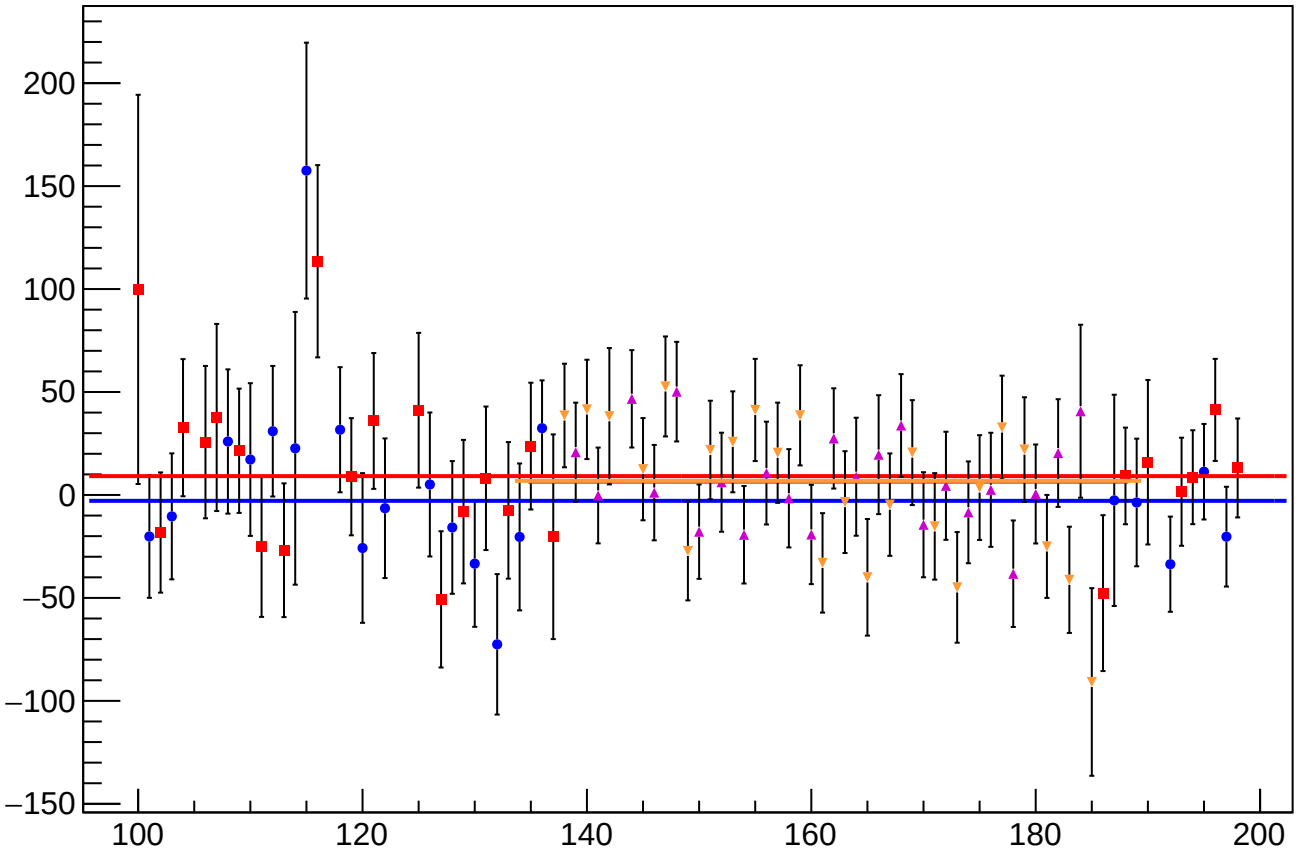
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 179.859+/-0.028 χ^2/NDF: 4640248.0/45

In: 181.897+/-0.025 χ^2/NDF:3638923.4/43

Out: 187.939+/-0.025 χ^2/NDF:4503747.3/48

All: 184.907+/-0.018 χ^2/NDF: 8171439.3/92



Right In: -2.850+/-6.880 χ^2/NDF: 21.6/20

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: 9.149+/-6.397 χ^2/NDF: 20.1/24

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

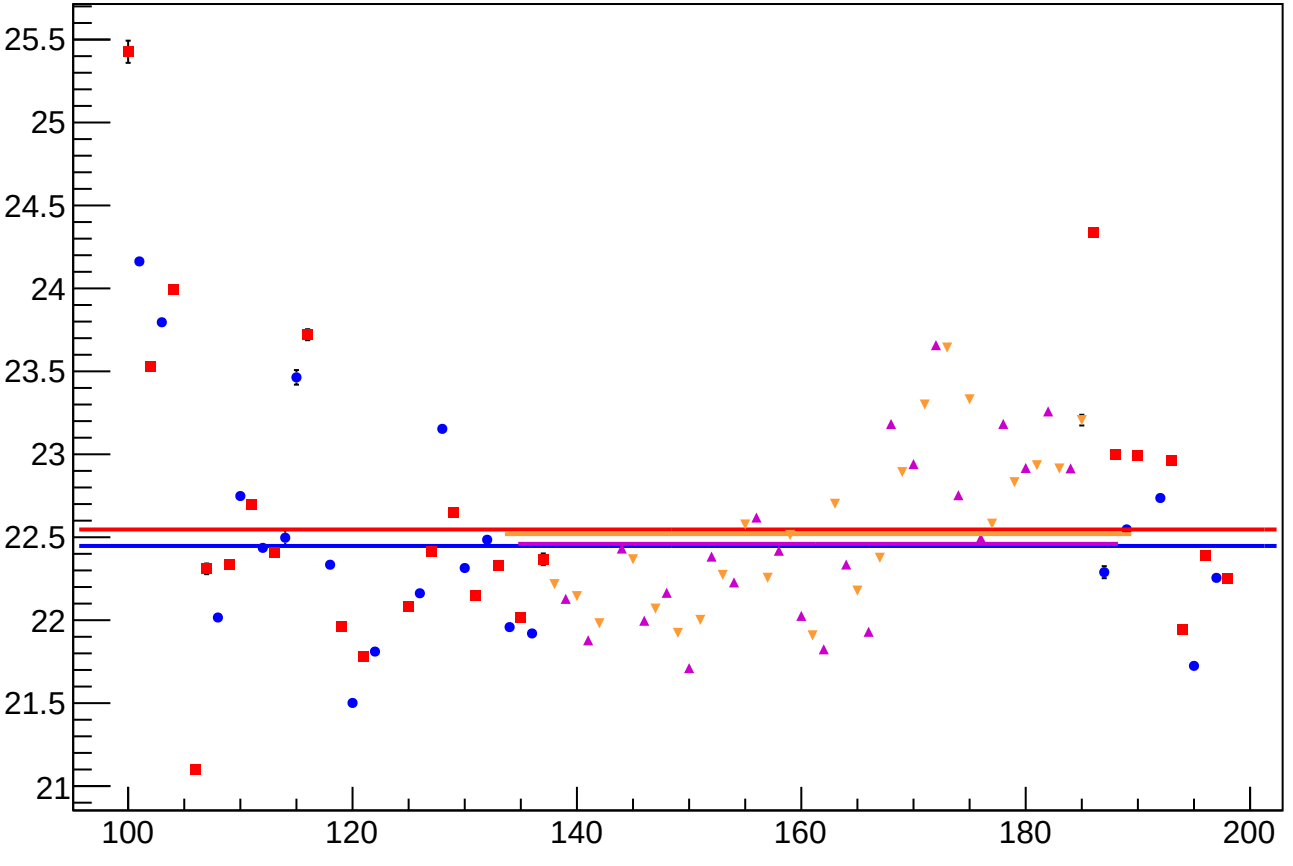
Right: 3.586+/-4.685 χ^2/NDF: 43.3/45

In: 3.051+/-4.172 χ^2/NDF:40.2/43

Out: 7.775+/-4.048 χ^2/NDF:57.0/48

All: 5.484+/-2.905 χ^2/NDF: 97.9/92

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.448+/-0.005 χ^2/NDF: 18532.9/20

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.547+/-0.005 χ^2/NDF: 23430.5/24

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

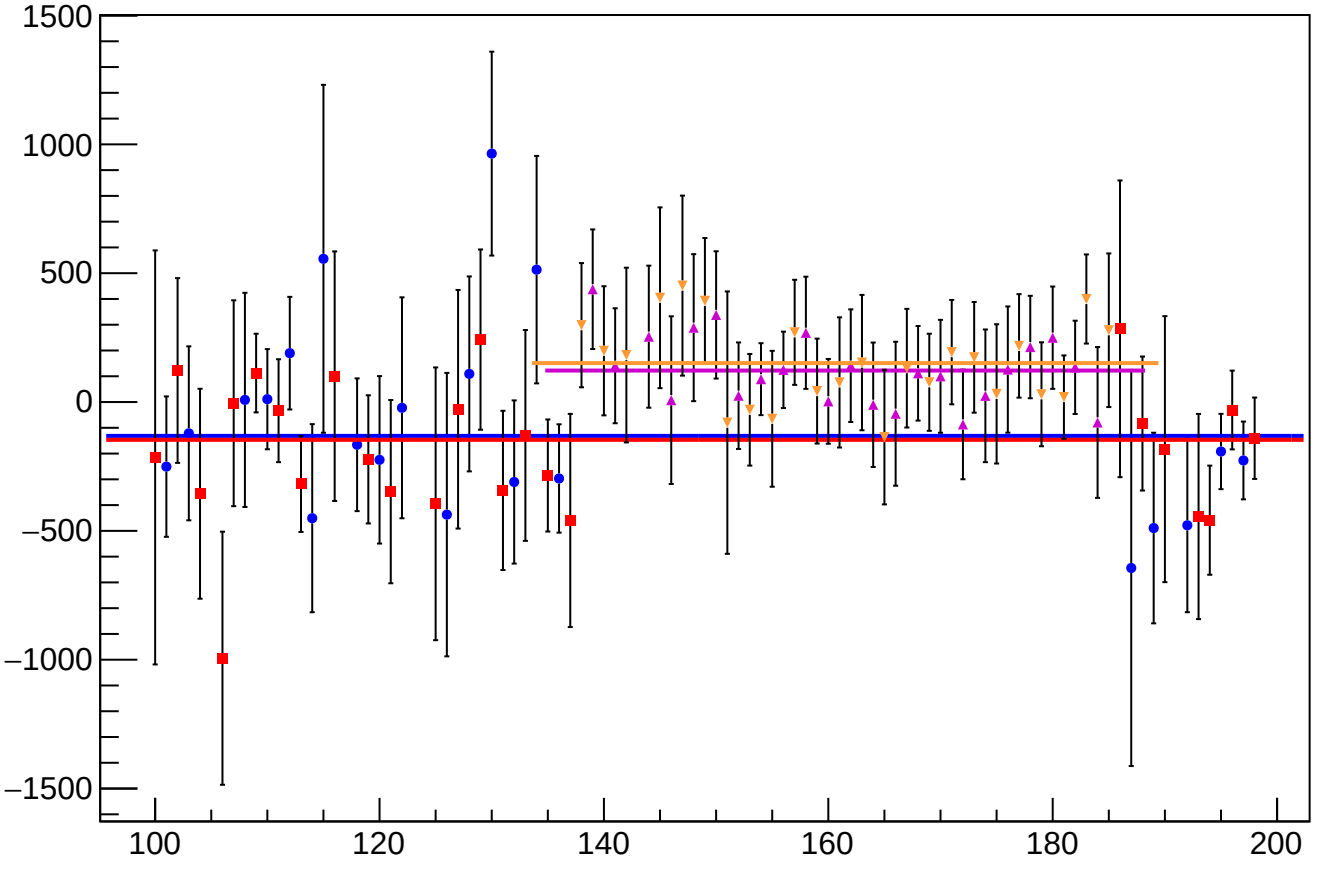
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.501+/-0.003 χ^2/NDF: 42186.6/45

In: 22.456+/-0.003 χ^2/NDF:37654.4/43

Out: 22.530+/-0.003 χ^2/NDF:39451.3/48

All: 22.494+/-0.002 χ^2/NDF: 77434.6/92



Right In: -131.412+/-59.971 χ^2/NDF: 19.4/20

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: -146.753+/-53.928 χ^2/NDF: 15.5/24

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

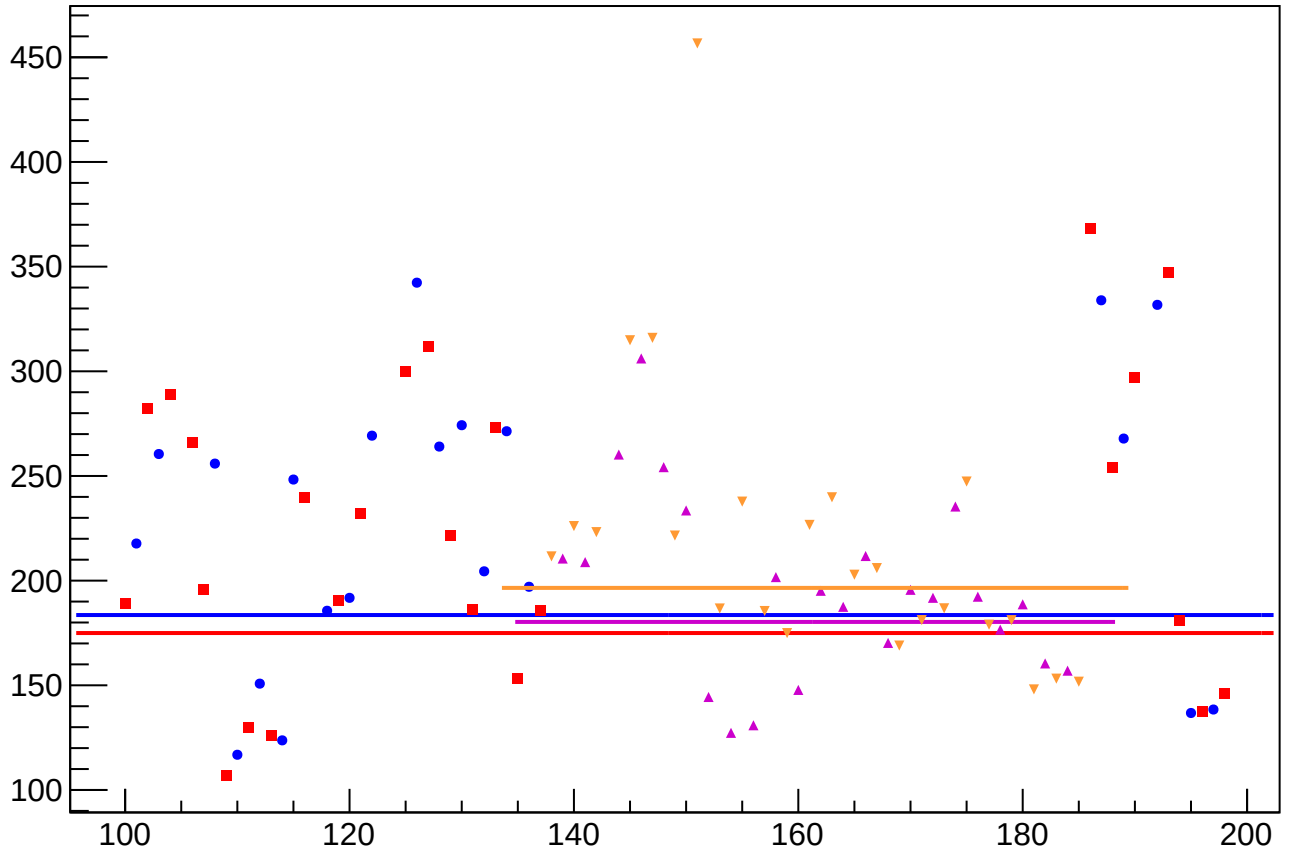
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -139.894+/-40.100 χ^2/NDF: 35.0/45

In: 33.415+/-35.479 χ^2/NDF:38.5/43

Out: 21.548+/-35.567 χ^2/NDF:42.7/48

All: 27.496+/-25.118 χ^2/NDF: 81.3/92



Right In: 183.568+/-0.042 χ^2/NDF: 2038662.3/20

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 174.968+/-0.038 χ^2/NDF: 2689730.3/24

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

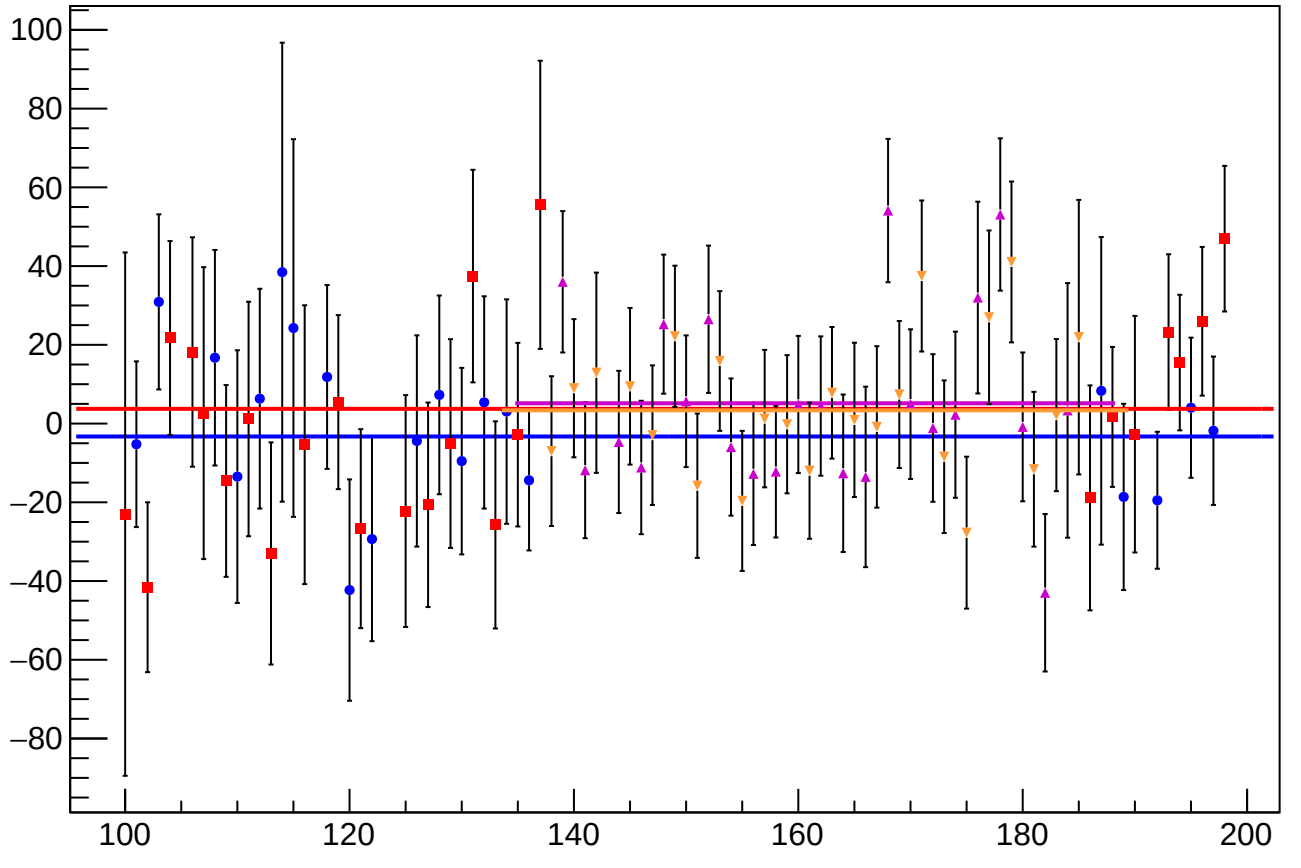
Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

Right: 178.813+/-0.028 χ^2/NDF: 4751133.3/45

In: 181.427+/-0.025 χ^2/NDF:3667266.6/43

Out: 187.153+/-0.025 χ^2/NDF:4598329.9/48

All: 184.283+/-0.018 χ^2/NDF: 8291579.2/92



Right In: -3.284+/-5.315 χ^2/NDF: 9.7/20

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: 3.737+/-4.937 χ^2/NDF: 24.8/24

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

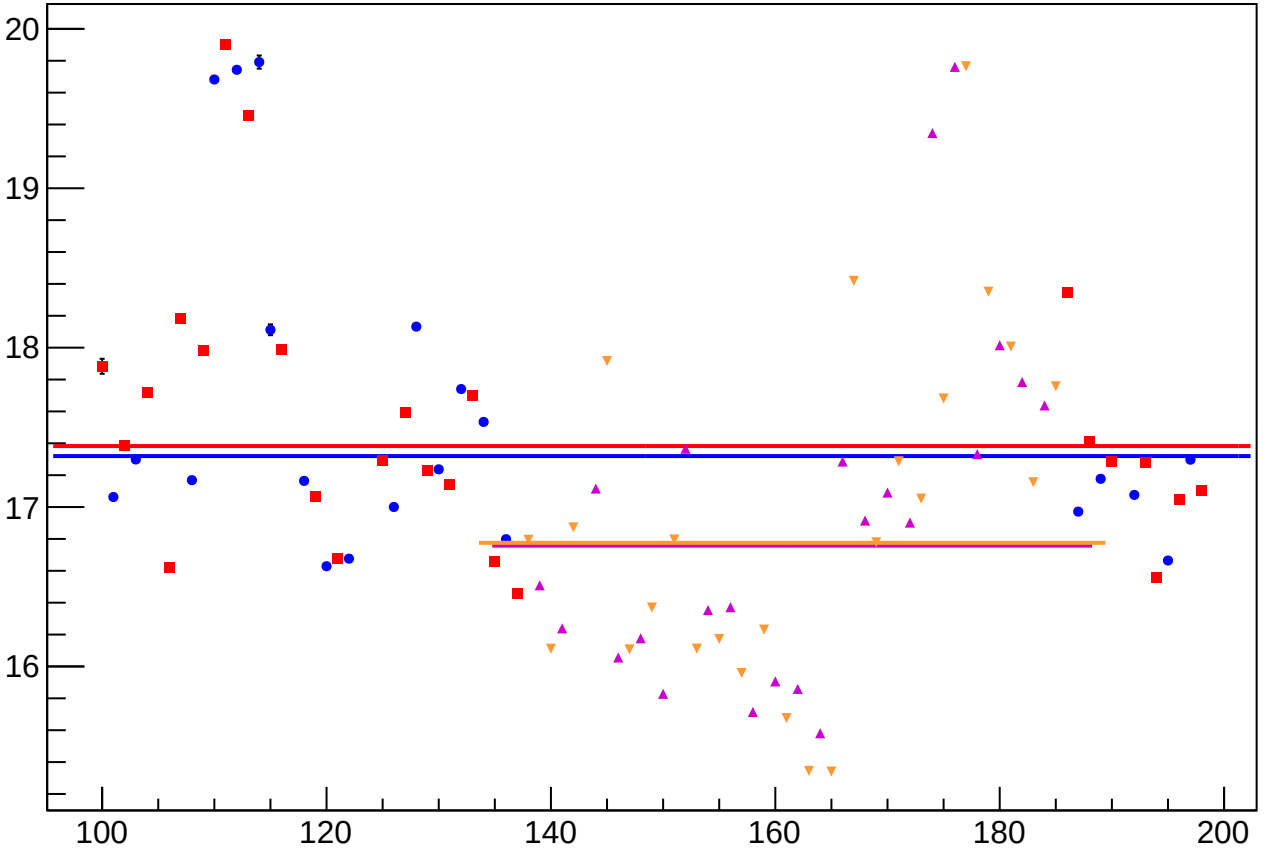
Right: 0.485+/-3.617 χ^2/NDF: 35.4/45

In: 2.175+/-3.157 χ^2/NDF:43.6/43

Out: 3.505+/-3.063 χ^2/NDF:42.5/48

All: 2.860+/-2.198 χ^2/NDF: 86.1/92

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.320+/-0.004 χ^2/NDF: 40974.4/20

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.383+/-0.003 χ^2/NDF: 43609.2/24

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

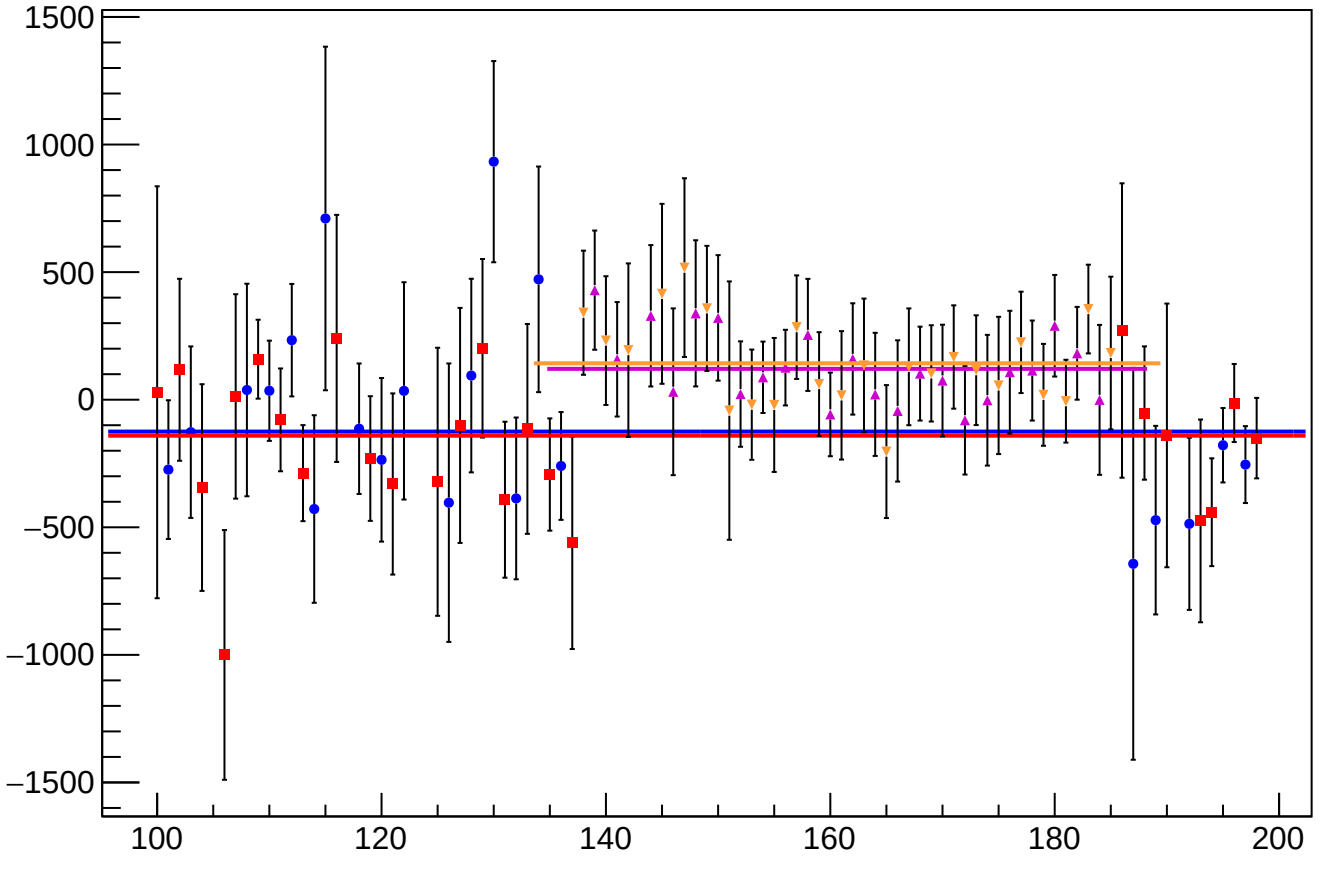
Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

Right: 17.354+/-0.003 χ^2/NDF: 84734.2/45

In: 16.956+/-0.002 χ^2/NDF:178751.4/43

Out: 17.009+/-0.002 χ^2/NDF:198348.5/48

All: 16.983+/-0.002 χ^2/NDF: 377393.1/92



Right In: -124.873+/-59.985 χ^2/NDF: 20.3/20

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: -141.046+/-54.061 χ^2/NDF: 16.9/24

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

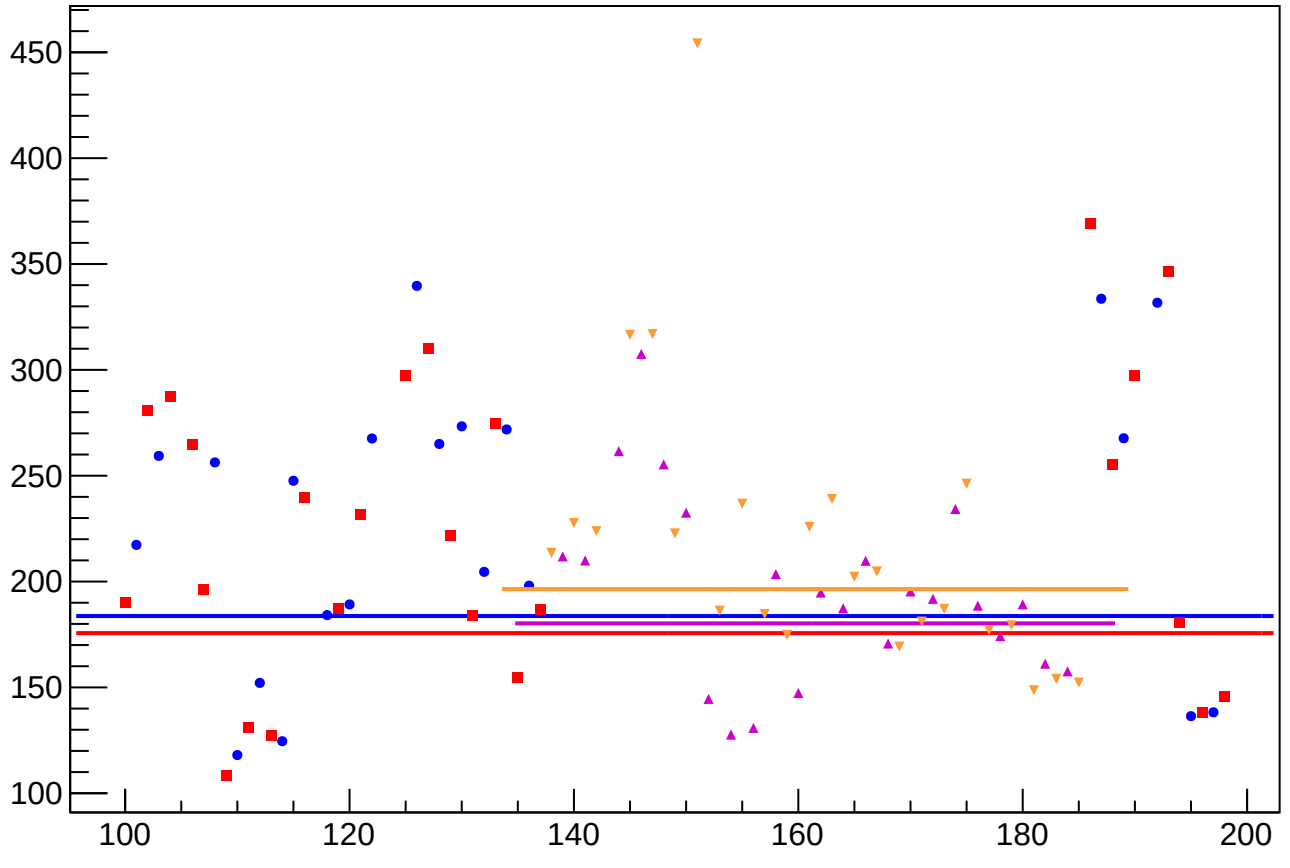
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

Right: -133.797+/-40.158 χ^2/NDF: 37.2/45

In: 34.929+/-35.476 χ^2/NDF:39.4/43

Out: 19.703+/-35.593 χ^2/NDF:42.6/48

All: 27.341+/-25.126 χ^2/NDF: 82.2/92



Right In: 183.718+/-0.042 χ^2/NDF: 2018241.8/20

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 175.649+/-0.038 χ^2/NDF: 2631995.1/24

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

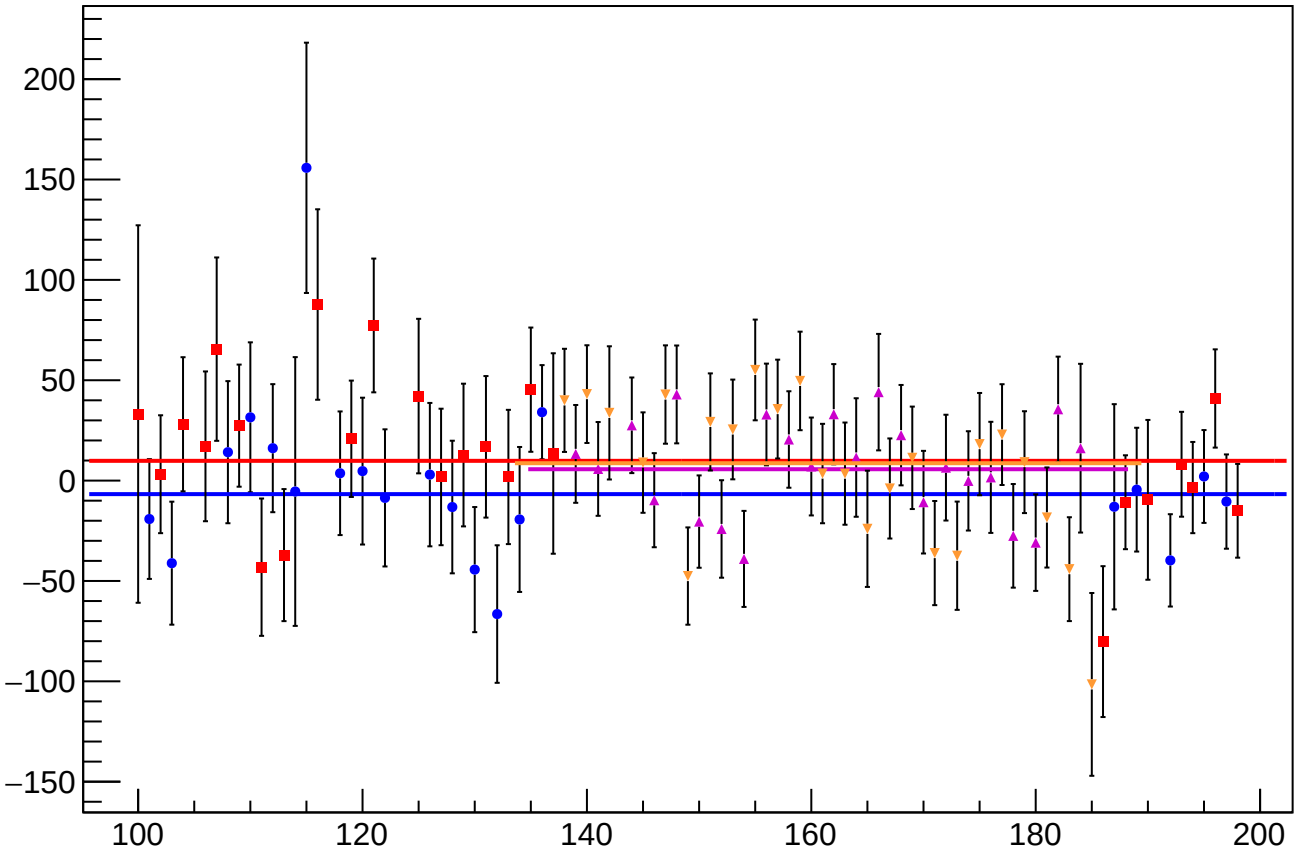
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 179.265+/-0.028 χ^2/NDF: 4670207.5/45

In: 181.462+/-0.025 χ^2/NDF:3650370.4/43

Out: 187.434+/-0.025 χ^2/NDF:4523309.9/48

All: 184.438+/-0.018 χ^2/NDF: 8201933.5/92



Right In: -6.737+/-6.901 χ^2/NDF: 20.4/20

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: 9.848+/-6.414 χ^2/NDF: 25.7/24

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.169+/-3.734 χ^2/NDF: 60.1/46

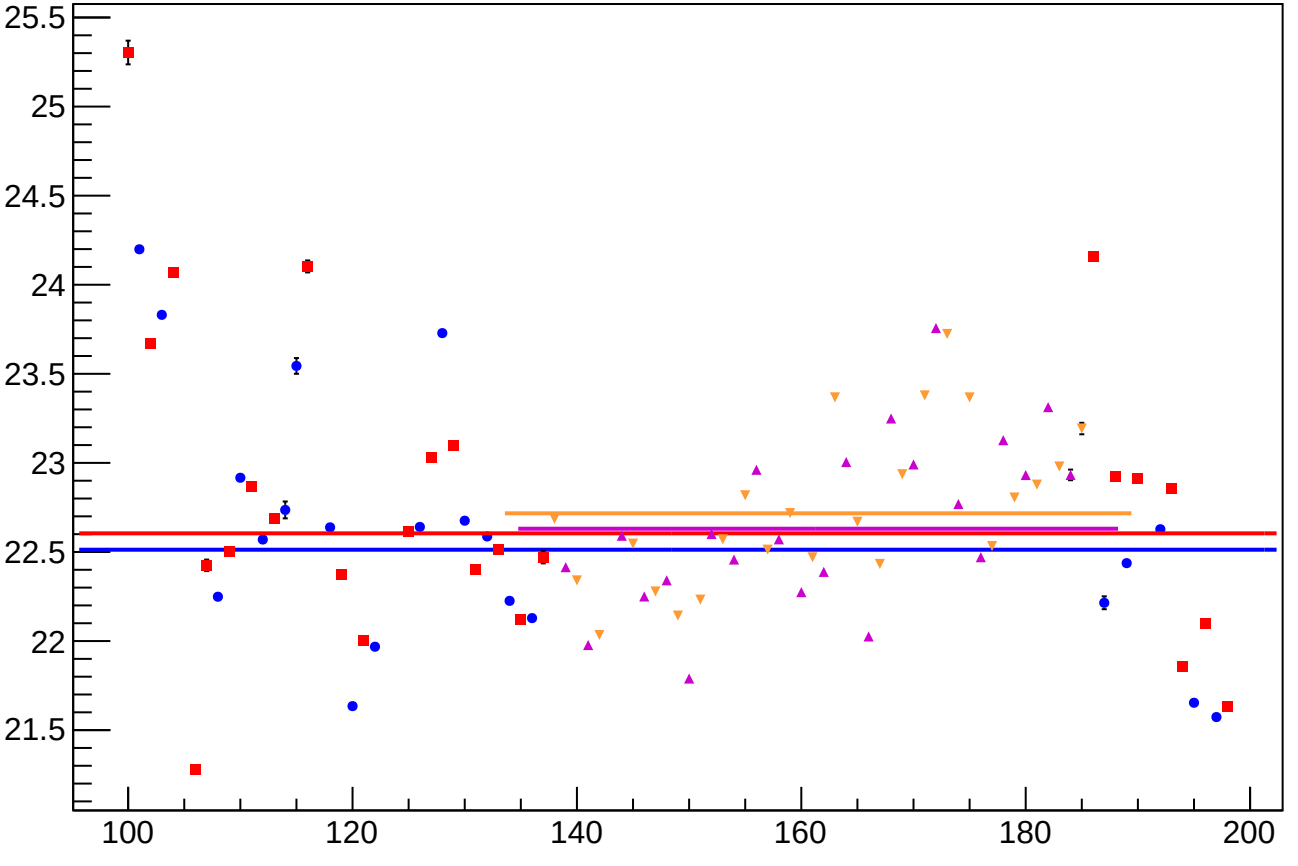
Right: 2.161+/-4.698 χ^2/NDF: 49.1/45

In: 1.080+/-4.197 χ^2/NDF:43.2/43

Out: 9.142+/-4.074 χ^2/NDF:64.9/48

All: 5.230+/-2.923 χ^2/NDF: 110.0/92

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.513+/-0.005 χ^2/NDF: 22254.5/20

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.605+/-0.005 χ^2/NDF: 25450.8/24

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

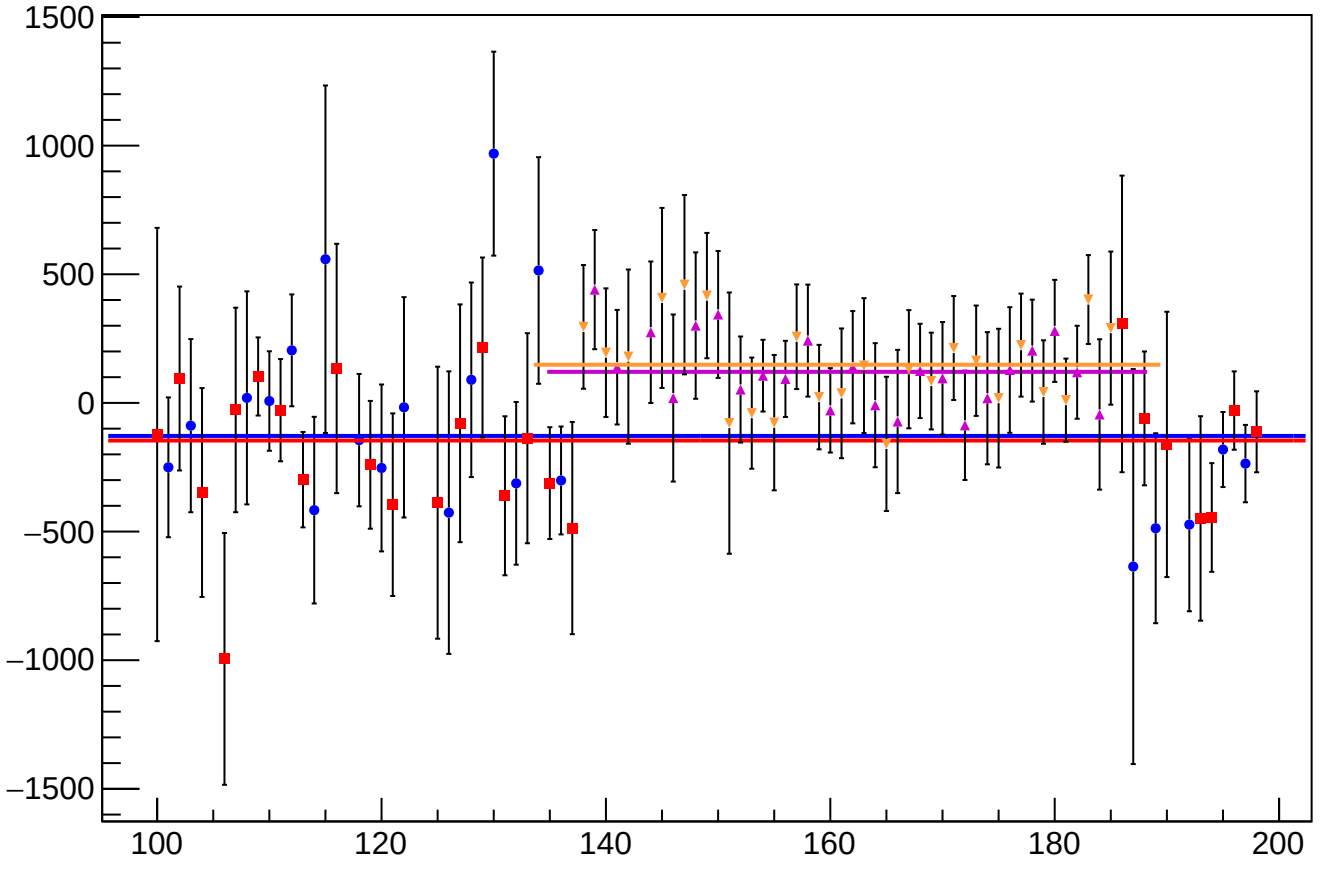
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.562+/-0.003 χ^2/NDF: 47895.8/45

In: 22.587+/-0.003 χ^2/NDF:38013.4/43

Out: 22.672+/-0.003 χ^2/NDF:37994.3/48

All: 22.631+/-0.002 χ^2/NDF: 76427.0/92



Right In: -128.303+/-59.795 χ^2/NDF: 19.6/20

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: -146.147+/-53.764 χ^2/NDF: 15.5/24

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

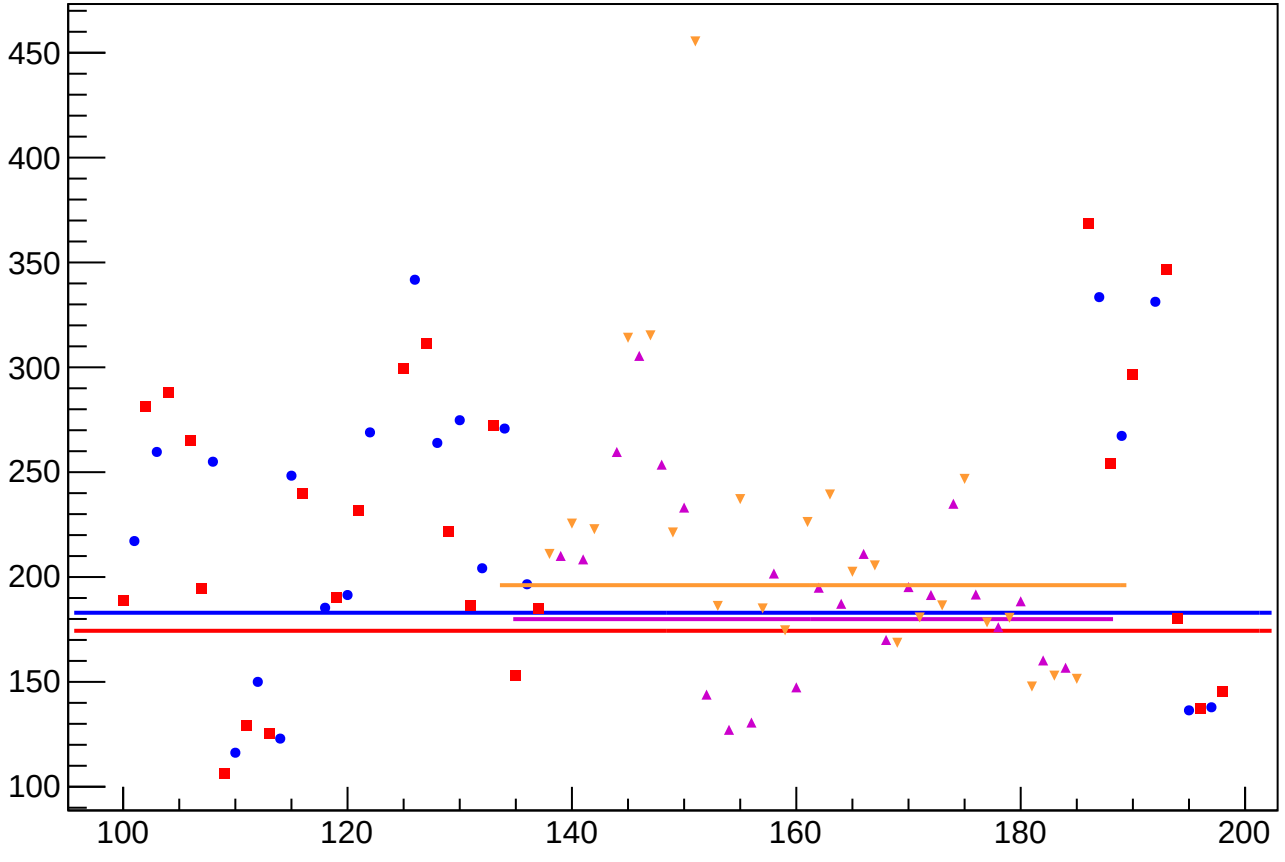
Right: -138.170+/-39.980 χ^2/NDF: 35.1/45

In: 33.478+/-35.397 χ^2/NDF:38.7/43

Out: 20.169+/-35.476 χ^2/NDF:43.3/48

All: 26.838+/-25.057 χ^2/NDF: 82.1/92

asym_bcm_dg_ds_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 182.968+/-0.042 χ^2/NDF: 2051593.0/20

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 174.364+/-0.038 χ^2/NDF: 2708135.1/24

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

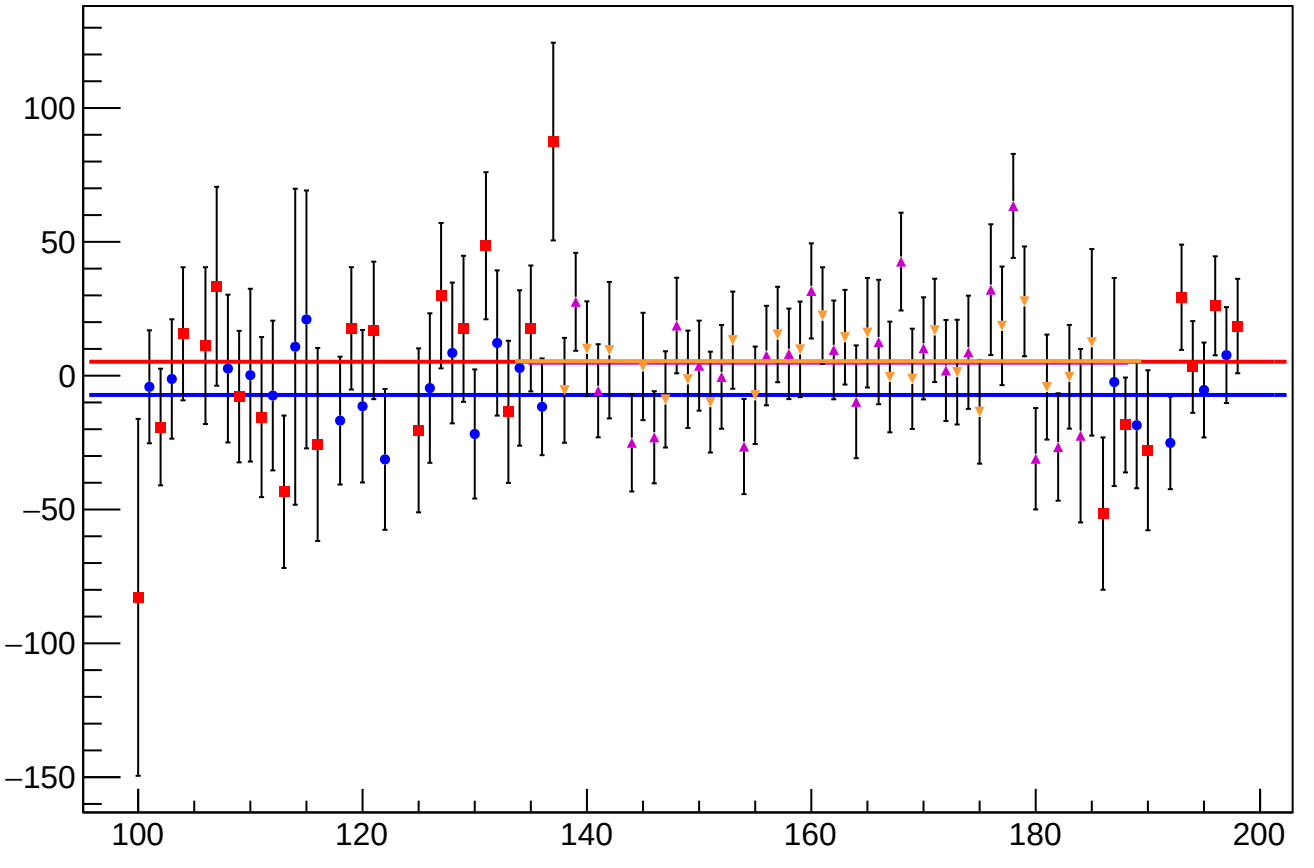
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 178.210+/-0.028 χ^2/NDF: 4782625.5/45

In: 180.990+/-0.025 χ^2/NDF:3679105.0/43

Out: 186.643+/-0.025 χ^2/NDF:4619193.0/48

All: 183.810+/-0.018 χ^2/NDF: 8323744.0/92



Right In: -7.200+/-5.336 χ^2/NDF: 5.2/20

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: 5.210+/-4.953 χ^2/NDF: 29.0/24

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

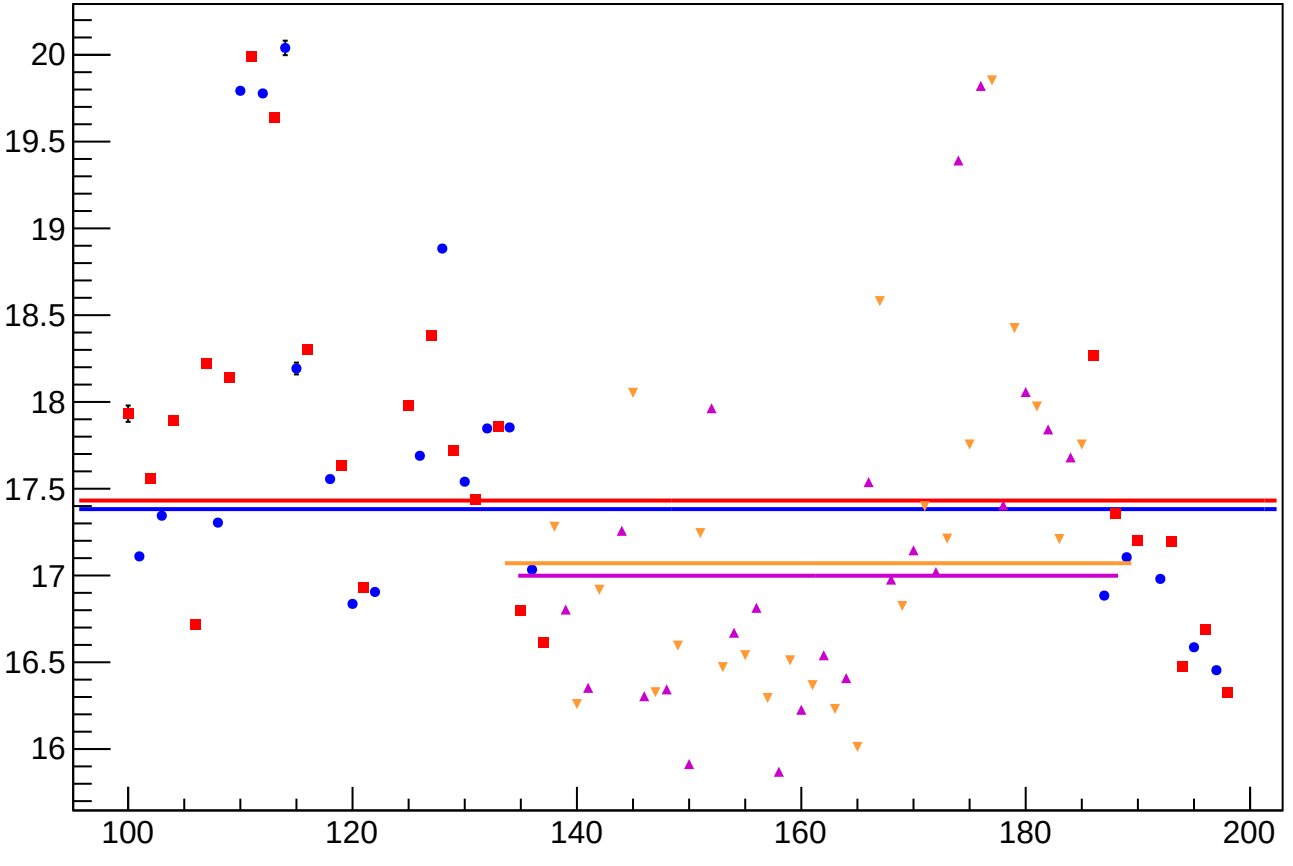
Right: -0.534+/-3.630 χ^2/NDF: 37.1/45

In: 0.548+/-3.191 χ^2/NDF:44.0/43

Out: 5.329+/-3.099 χ^2/NDF:36.8/48

All: 3.008+/-2.223 χ^2/NDF: 81.9/92

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 17.382+/-0.004 χ^2/NDF: 52087.2/20

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.432+/-0.004 χ^2/NDF: 59050.6/24

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

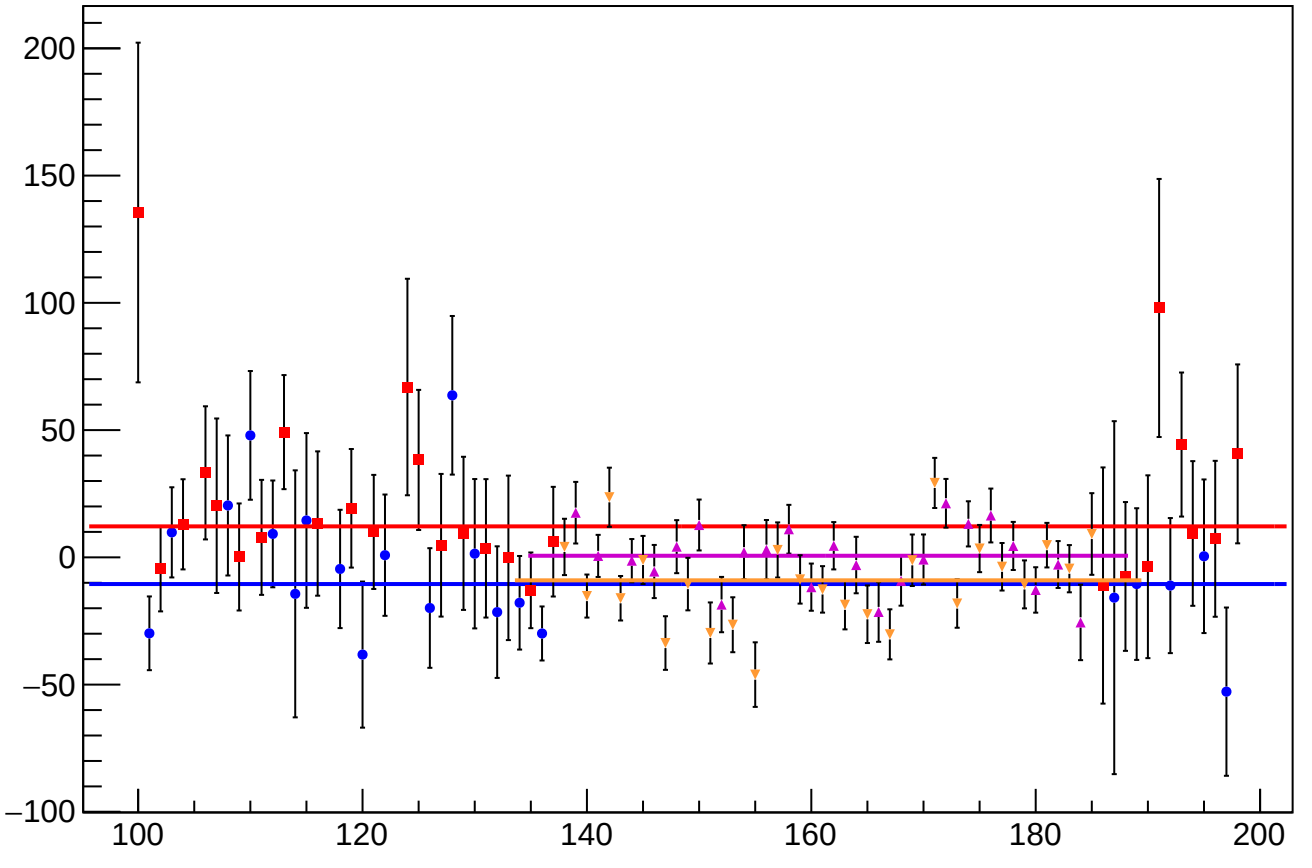
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

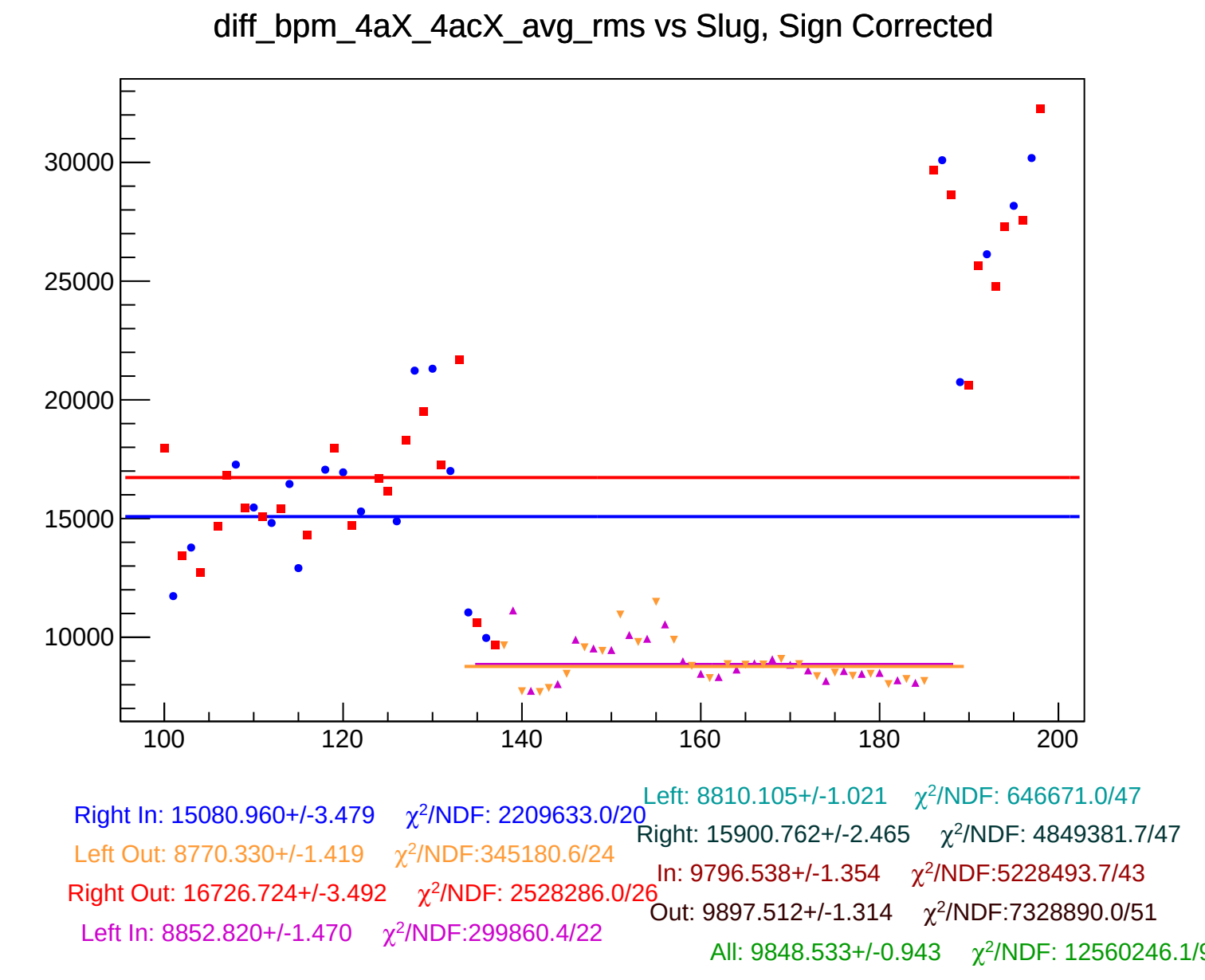
Right: 17.409+/-0.003 χ^2/NDF: 111229.9/45

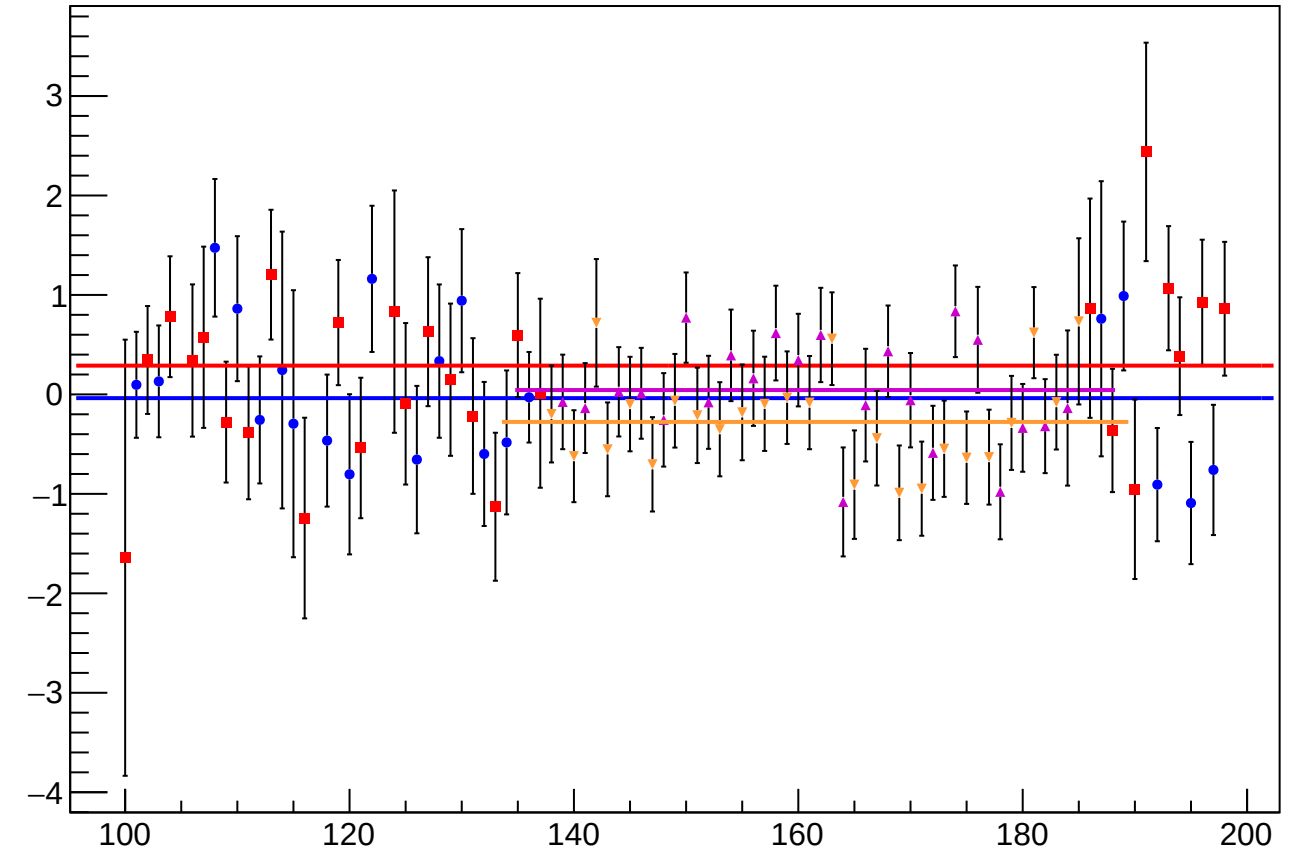
In: 17.136+/-0.002 χ^2/NDF:162752.3/43

Out: 17.212+/-0.002 χ^2/NDF:161833.2/48

All: 17.175+/-0.002 χ^2/NDF: 325171.8/92


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -10.487+/-4.920 χ²/NDF: 23.8/20
Left Out: -9.027+/-2.006 χ²/NDF:62.0/24
Right Out: 12.174+/-4.939 χ²/NDF: 19.9/26
Left In: 0.628+/-2.079 χ²/NDF:29.5/22
Left: -4.372+/-1.444 χ²/NDF: 102.7/47
Right: 0.801+/-3.486 χ²/NDF: 54.2/47
In: -1.056+/-1.915 χ²/NDF:57.6/43
Out: -6.024+/-1.859 χ²/NDF:97.7/51
All: -3.614+/-1.334 χ²/NDF: 158.8/95


diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15080.960+/-3.479 χ²/NDF: 2209633.0/20
Left Out: 8770.330+/-1.419 χ²/NDF:345180.6/24
Right Out: 16726.724+/-3.492 χ²/NDF: 2528286.0/26
Left In: 8852.820+/-1.470 χ²/NDF:299860.4/22
Left: 8810.105+/-1.021 χ²/NDF: 646671.0/47
Right: 15900.762+/-2.465 χ²/NDF: 4849381.7/47
In: 9796.538+/-1.354 χ²/NDF:5228493.7/43
Out: 9897.512+/-1.314 χ²/NDF:7328890.0/51
All: 9848.533+/-0.943 χ²/NDF: 12560246.1/9



Right In: -0.038+/-0.150 χ^2/NDF: 23.1/20

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: 0.289+/-0.141 χ^2/NDF: 25.0/26

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

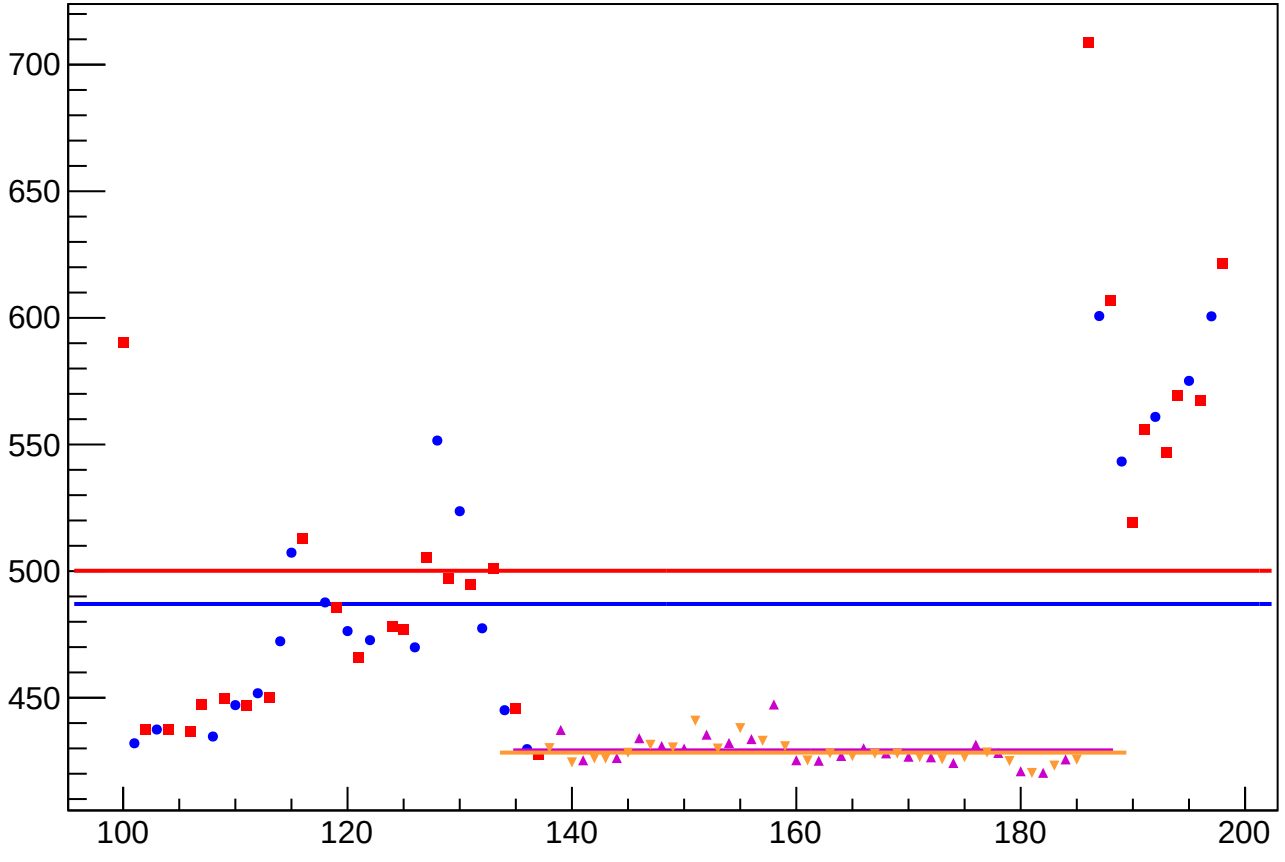
Right: 0.137+/-0.103 χ^2/NDF: 50.7/47

In: 0.019+/-0.083 χ^2/NDF:47.1/43

Out: -0.094+/-0.080 χ^2/NDF:57.0/51

All: -0.040+/-0.058 χ^2/NDF: 105.1/95

diff_bpm_4aX_4acX_dd_rms vs Slug, Sign Corrected



Right In: 487.030+/-0.106 χ^2/NDF: 281010.2/20

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 500.148+/-0.100 χ^2/NDF: 408610.3/26

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

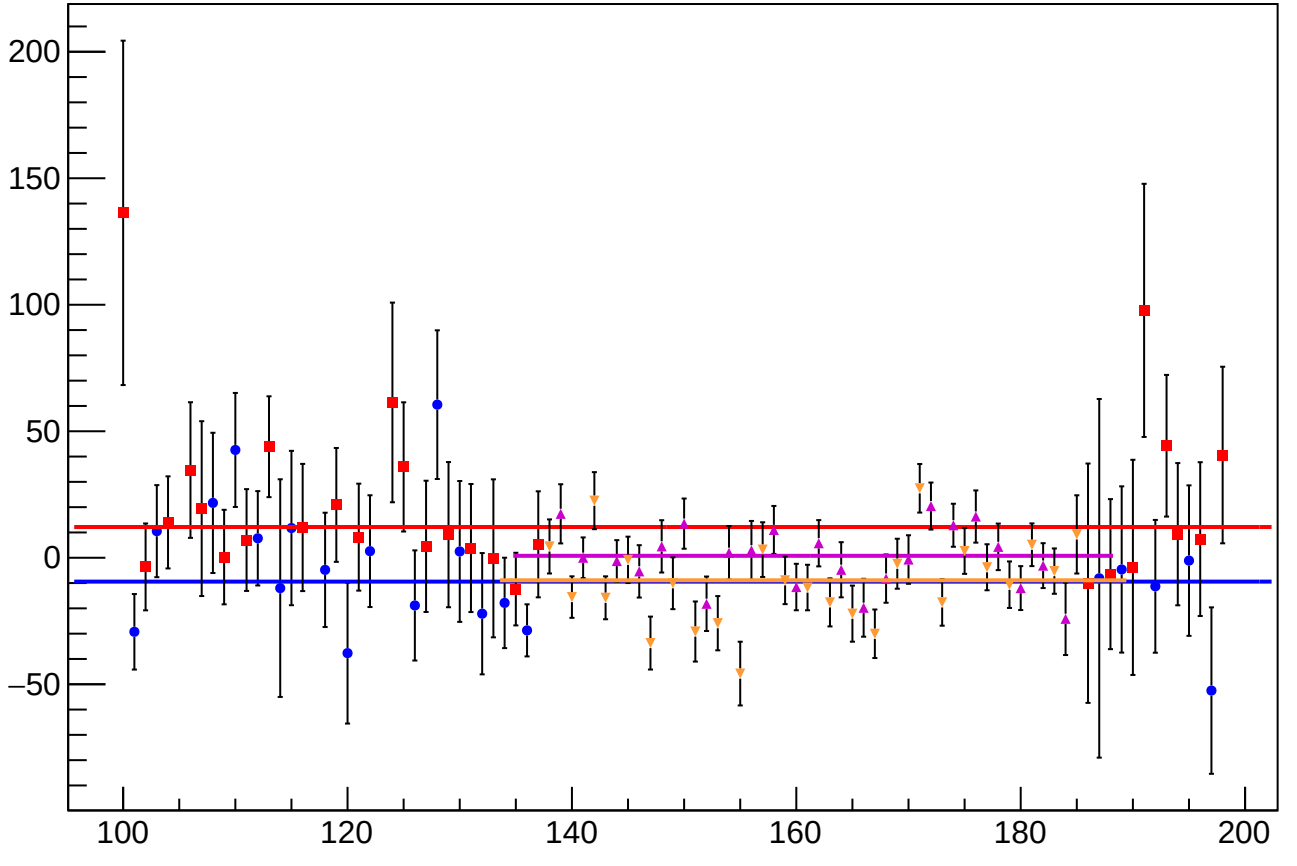
Right: 494.017+/-0.073 χ^2/NDF: 697738.5/47

In: 447.028+/-0.059 χ^2/NDF:492588.4/43

Out: 451.561+/-0.057 χ^2/NDF:764784.9/51

All: 449.387+/-0.041 χ^2/NDF: 1260448.8/95

diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected



Right In: -9.428+/-4.764 χ^2/NDF: 24.1/20

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: 12.151+/-4.763 χ^2/NDF: 19.6/26

Left In: 0.773+/-2.034 χ^2/NDF:29.3/22

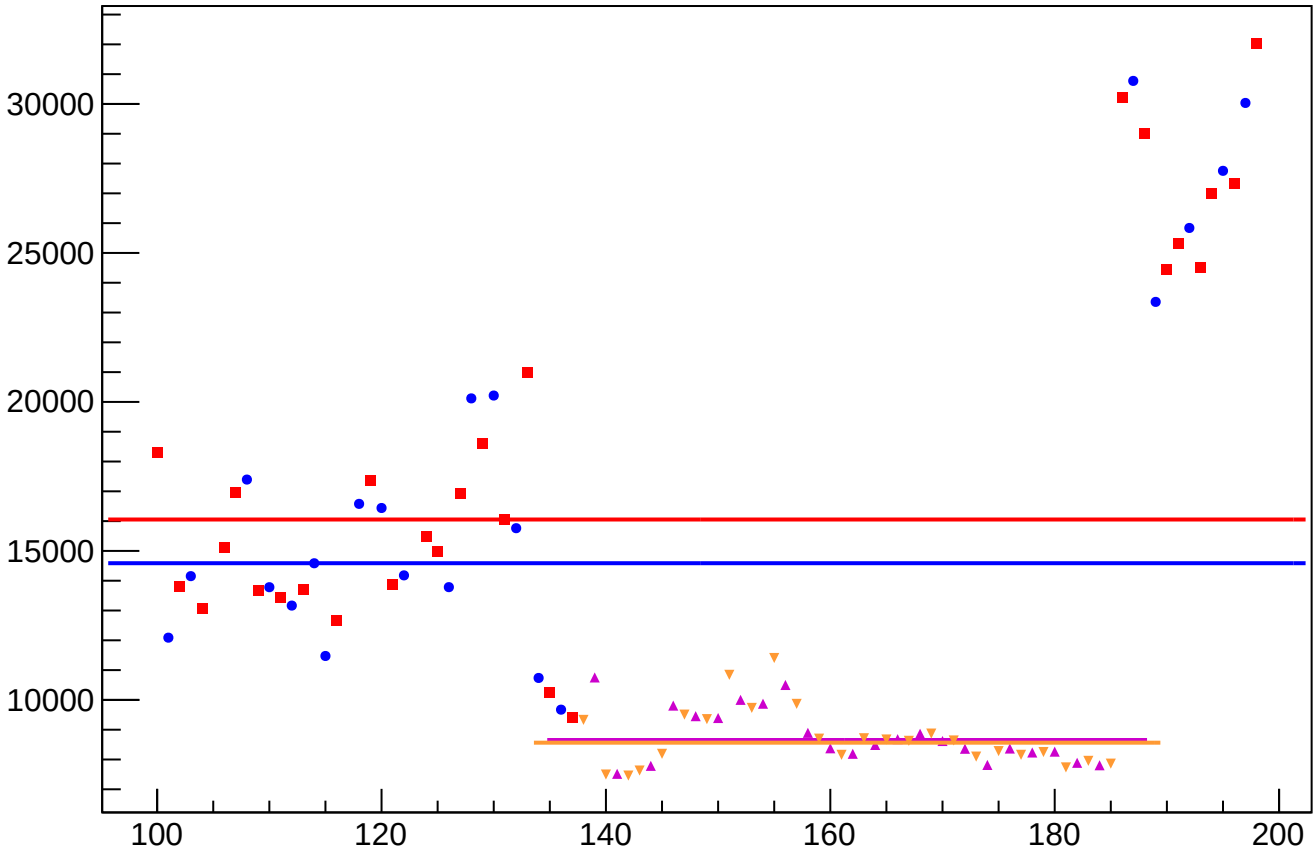
Left: -4.243+/-1.412 χ^2/NDF: 102.6/47

Right: 1.364+/-3.368 χ^2/NDF: 54.0/47

In: -0.800+/-1.871 χ^2/NDF:57.3/43

Out: -5.853+/-1.813 χ^2/NDF:97.9/51

All: -3.405+/-1.302 χ^2/NDF: 159.0/95



Right In: 14587.576+/-3.368 χ^2/NDF: 2294246.1/20

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 16054.134+/-3.368 χ^2/NDF: 2739032.9/26

Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

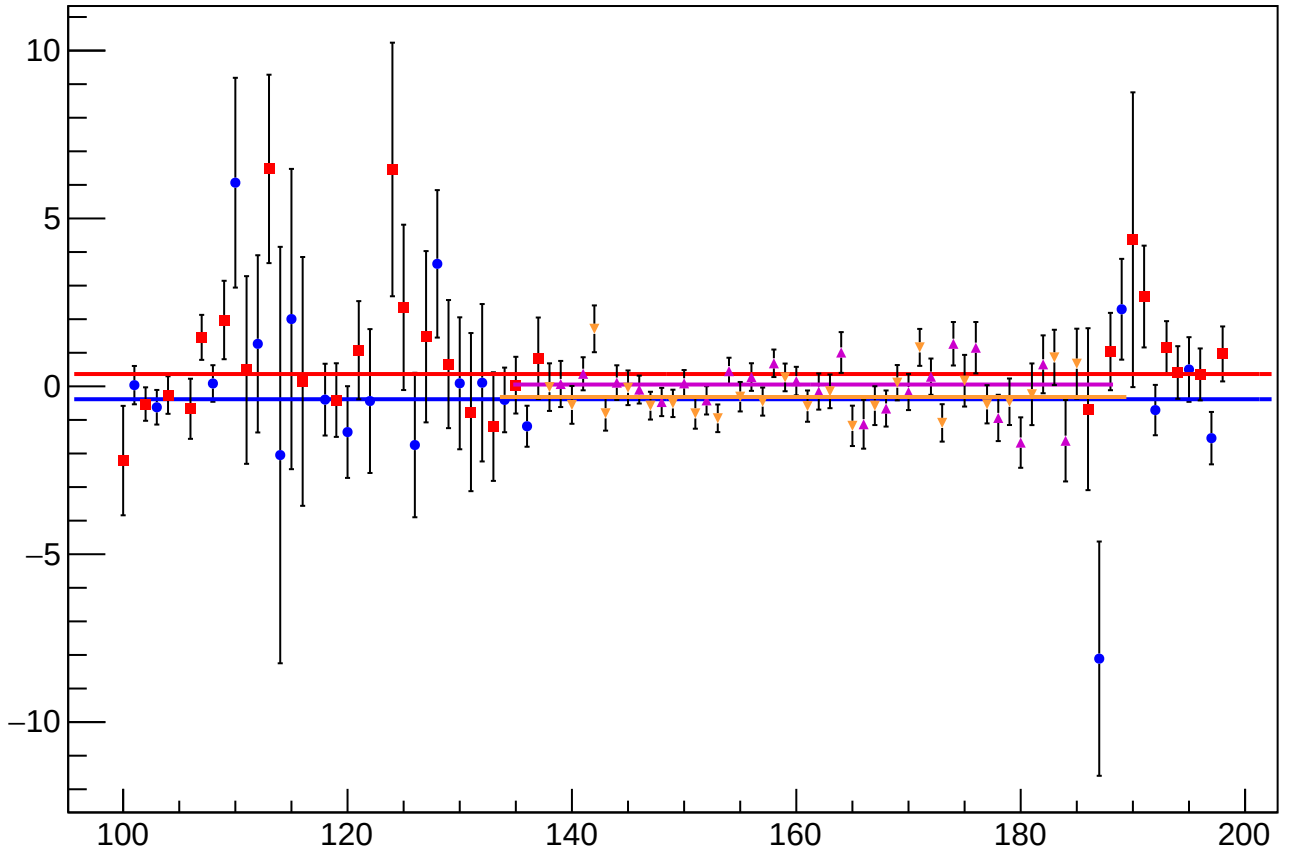
Left: 8607.718+/-0.998 χ^2/NDF: 748275.4/47

Right: 15320.999+/-2.382 χ^2/NDF: 5128076.4/47

In: 9569.149+/-1.323 χ^2/NDF:5264092.7/43

Out: 9649.932+/-1.282 χ^2/NDF:7368736.8/51

All: 9610.798+/-0.921 χ^2/NDF: 12634752.6/9



Right In: -0.383+/-0.214 χ^2/NDF: 24.0/20

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: 0.367+/-0.202 χ^2/NDF: 28.5/26

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

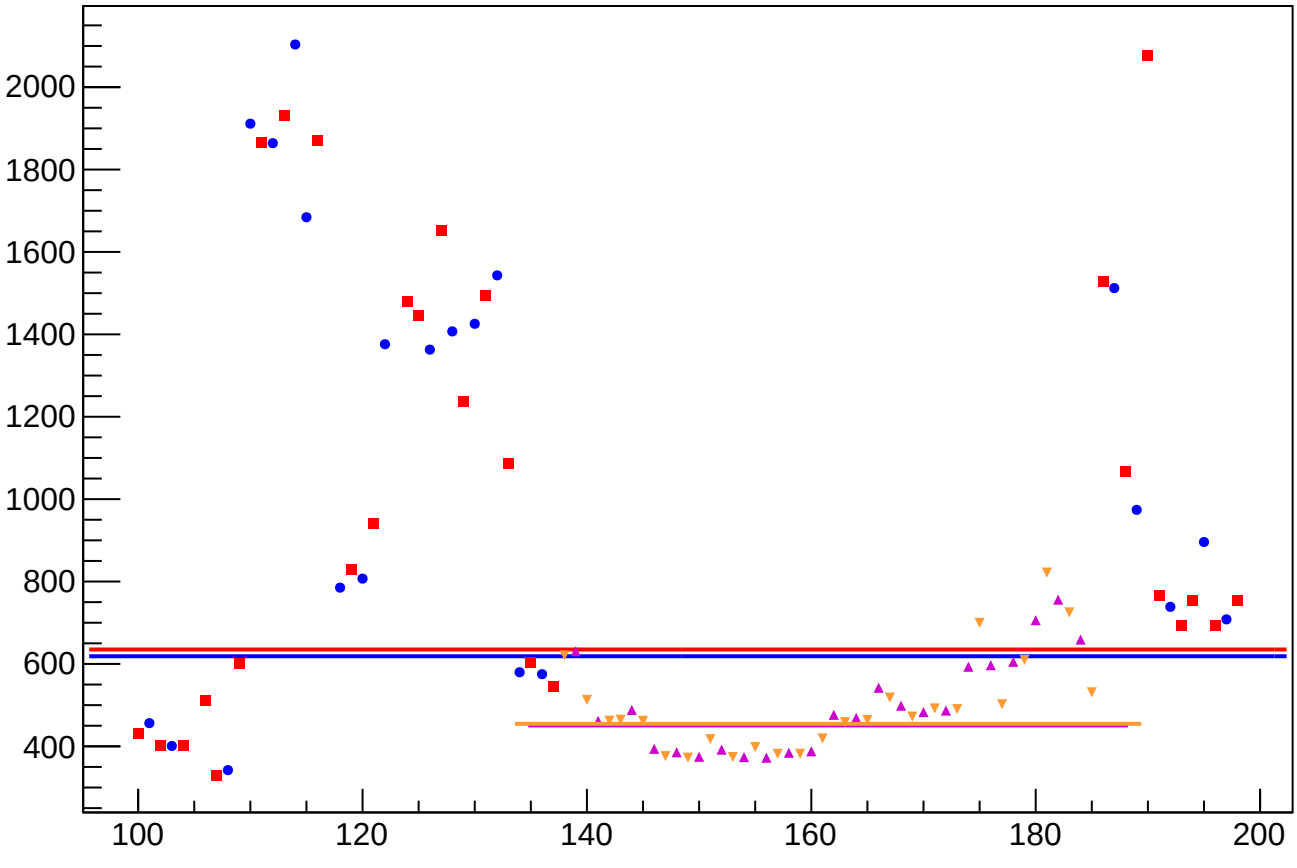
Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

Right: 0.014+/-0.147 χ^2/NDF: 58.9/47

In: -0.035+/-0.097 χ^2/NDF:57.1/43

Out: -0.170+/-0.094 χ^2/NDF:69.8/51

All: -0.104+/-0.067 χ^2/NDF: 127.9/95



Right In: 618.629+/-0.151 χ^2/NDF: 4032100.0/20

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 635.055+/-0.143 χ^2/NDF: 4630101.0/26

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

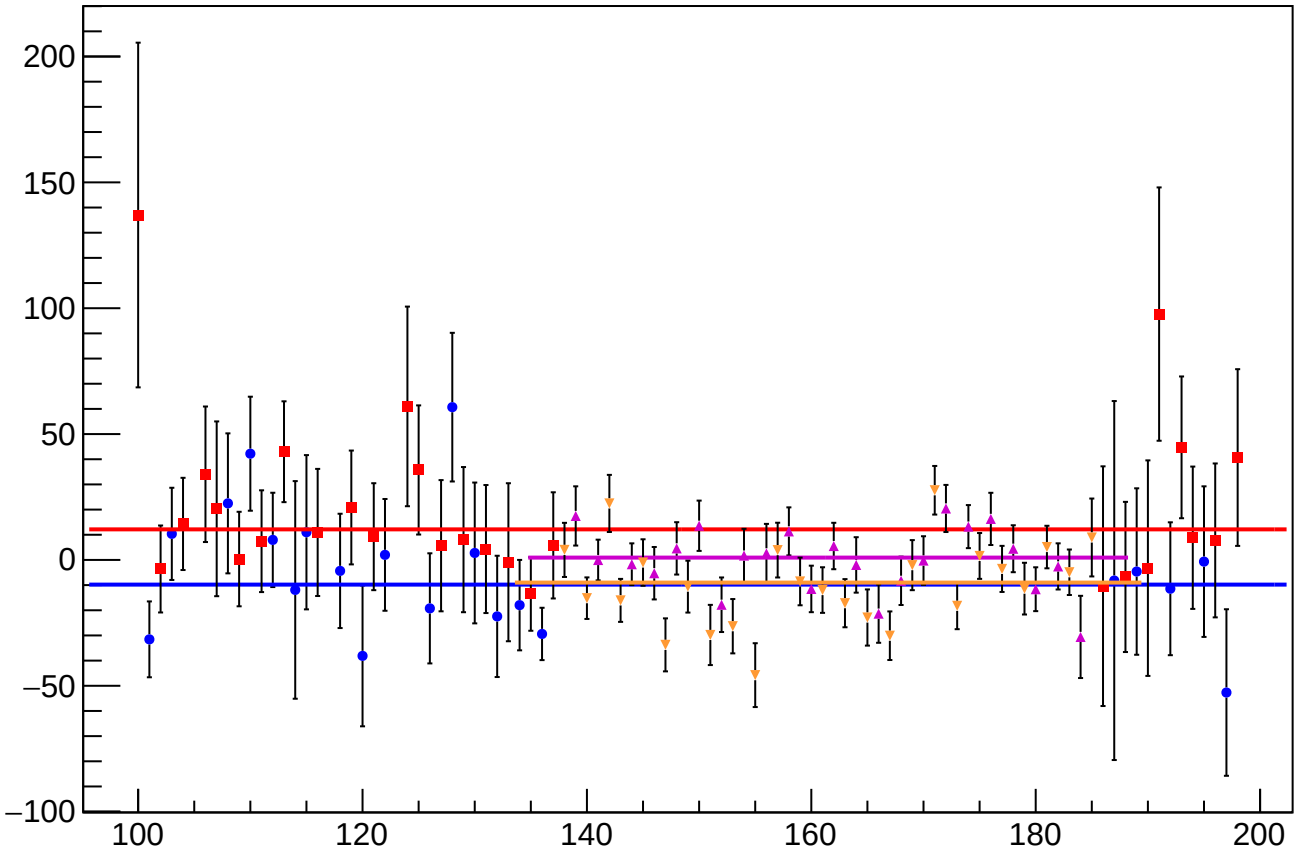
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

Right: 627.327+/-0.104 χ^2/NDF: 8668432.5/47

In: 484.873+/-0.068 χ^2/NDF:6482778.2/43

Out: 493.669+/-0.066 χ^2/NDF:7333185.1/51

All: 489.396+/-0.048 χ^2/NDF: 13824502.6/95



Right In: -9.805+/-4.795 χ^2/NDF: 24.6/20

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: 12.142+/-4.795 χ^2/NDF: 19.4/26

Left In: 0.925+/-2.056 χ^2/NDF:29.9/22

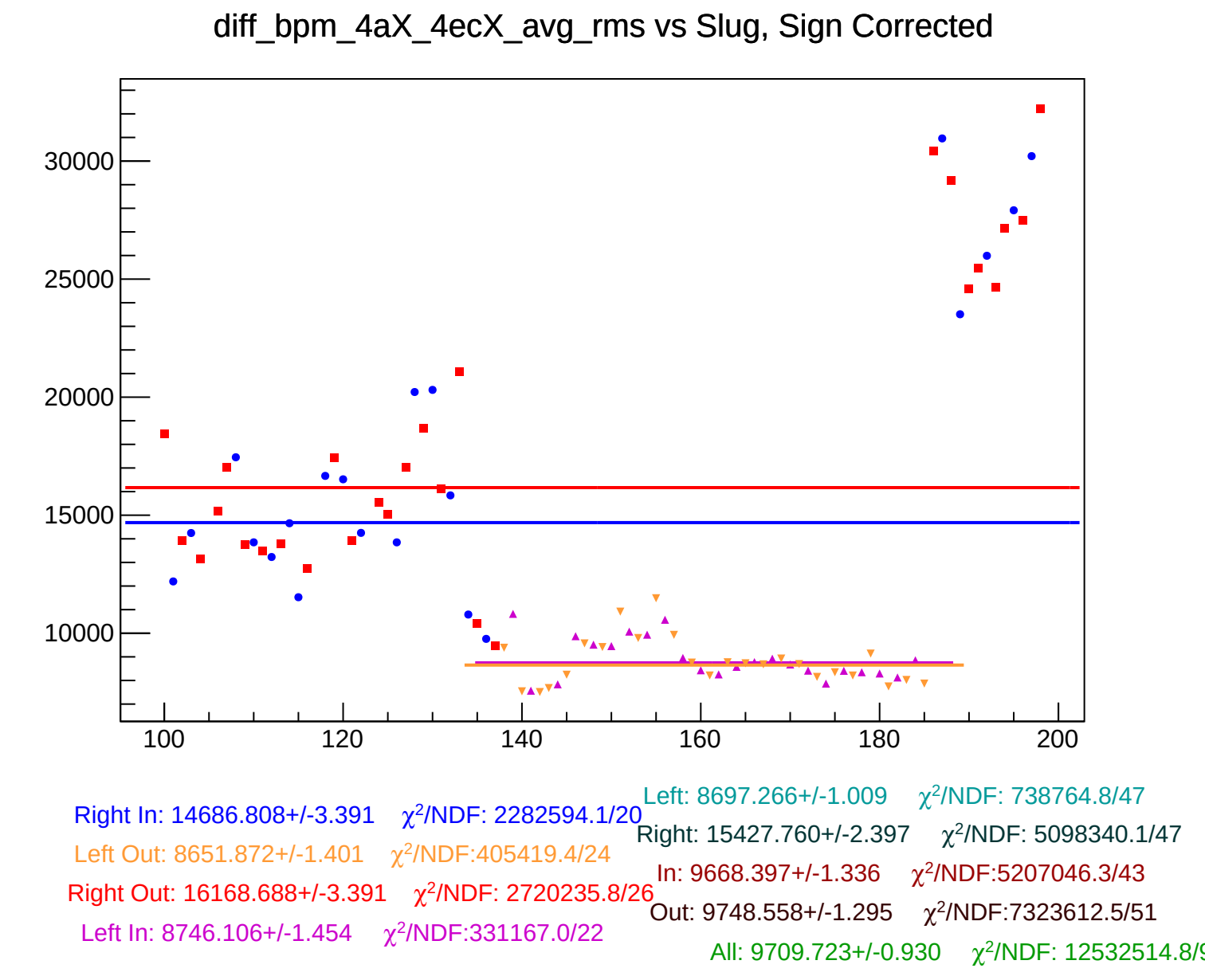
Left: -4.219+/-1.427 χ^2/NDF: 103.2/47

Right: 1.169+/-3.391 χ^2/NDF: 54.5/47

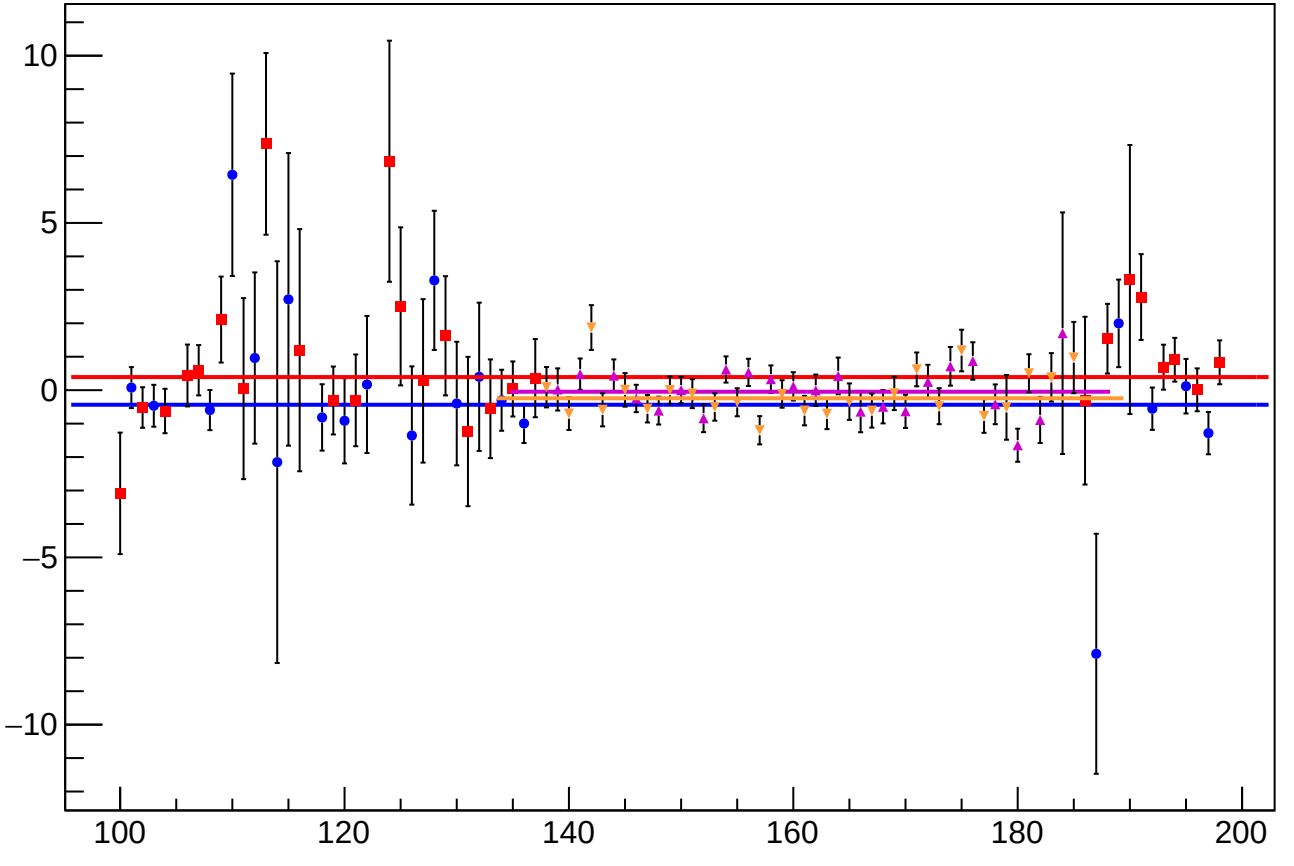
In: -0.741+/-1.889 χ^2/NDF:58.7/43

Out: -5.916+/-1.832 χ^2/NDF:97.3/51

All: -3.409+/-1.315 χ^2/NDF: 159.8/95


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14686.808+/-3.391 χ²/NDF: 2282594.1/20
Left Out: 8651.872+/-1.401 χ²/NDF:405419.4/24
Right Out: 16168.688+/-3.391 χ²/NDF: 2720235.8/26
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
Left: 8697.266+/-1.009 χ²/NDF: 738764.8/47
Right: 15427.760+/-2.397 χ²/NDF: 5098340.1/47
In: 9668.397+/-1.336 χ²/NDF:5207046.3/43
Out: 9748.558+/-1.295 χ²/NDF:7323612.5/51
All: 9709.723+/-0.930 χ²/NDF: 12532514.8/9

diff_bpm_4aX_4ecX_dd_mean vs Slug, Sign Corrected



Right In: -0.436+/-0.211 χ^2/NDF: 21.7/20

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: 0.392+/-0.199 χ^2/NDF: 30.0/26

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

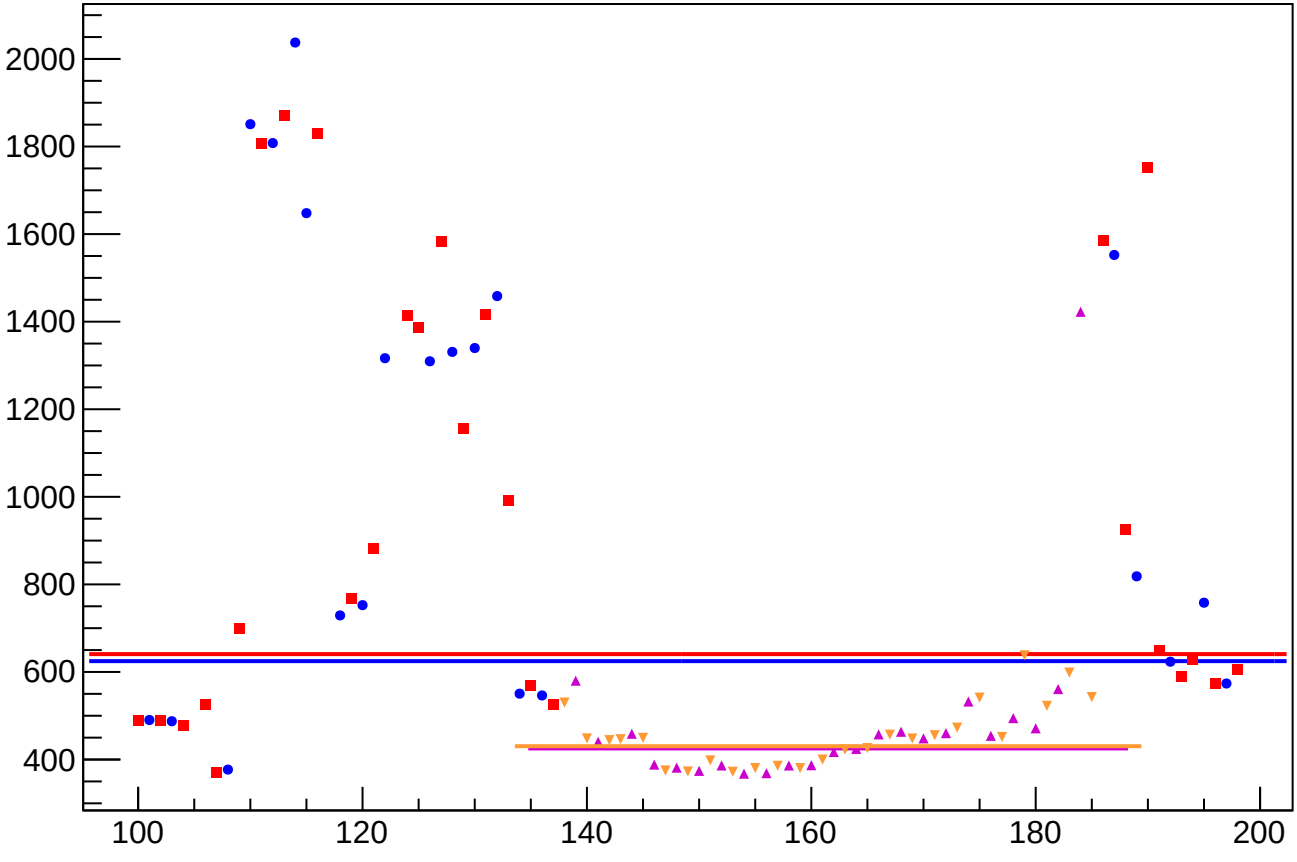
Right: 0.003+/-0.145 χ^2/NDF: 59.9/47

In: -0.120+/-0.092 χ^2/NDF:59.6/43

Out: -0.114+/-0.089 χ^2/NDF:72.5/51

All: -0.117+/-0.064 χ^2/NDF: 132.0/95

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 624.721+/-0.149 χ^2/NDF: 3105267.4/20

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

Right Out: 640.782+/-0.140 χ^2/NDF: 3416293.3/26

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

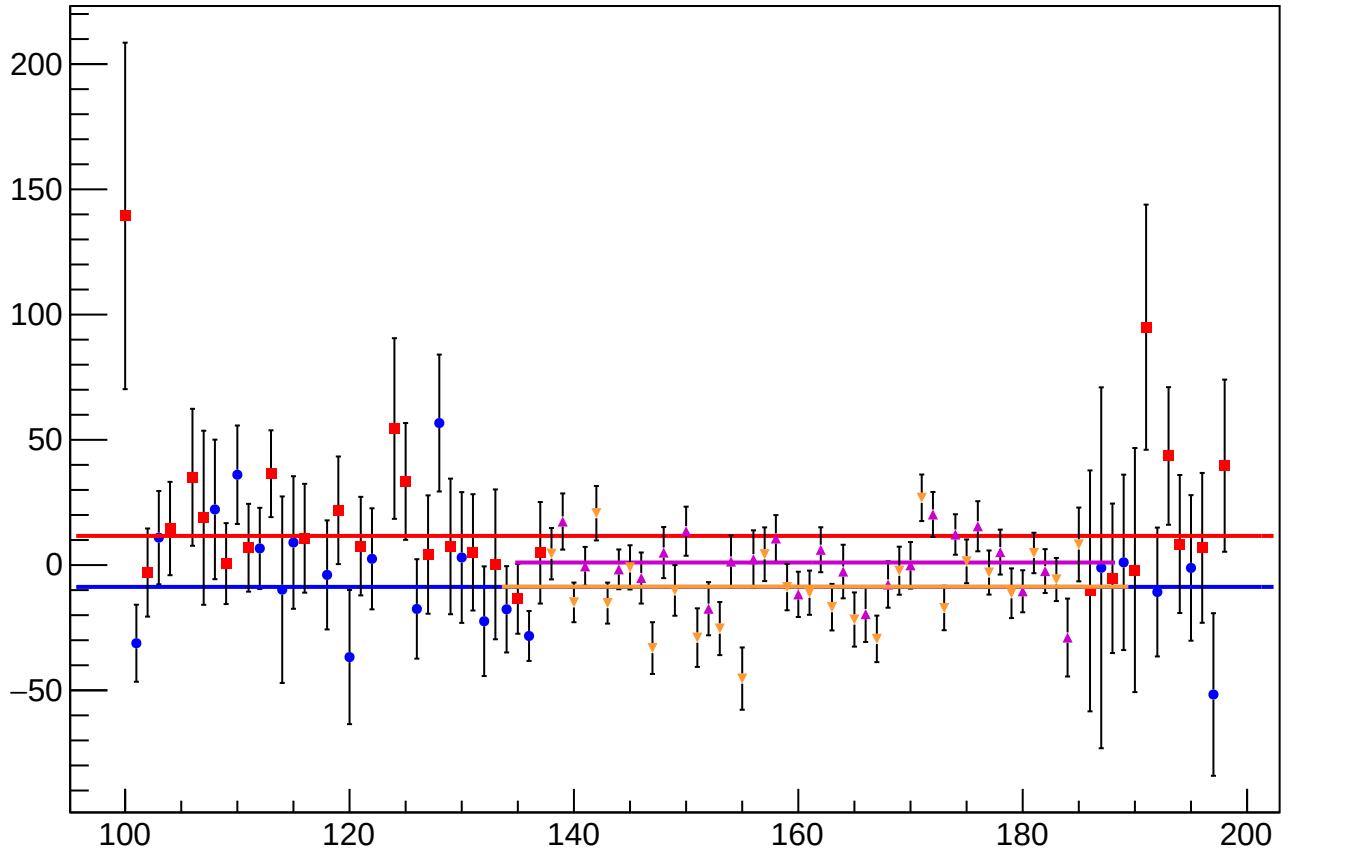
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

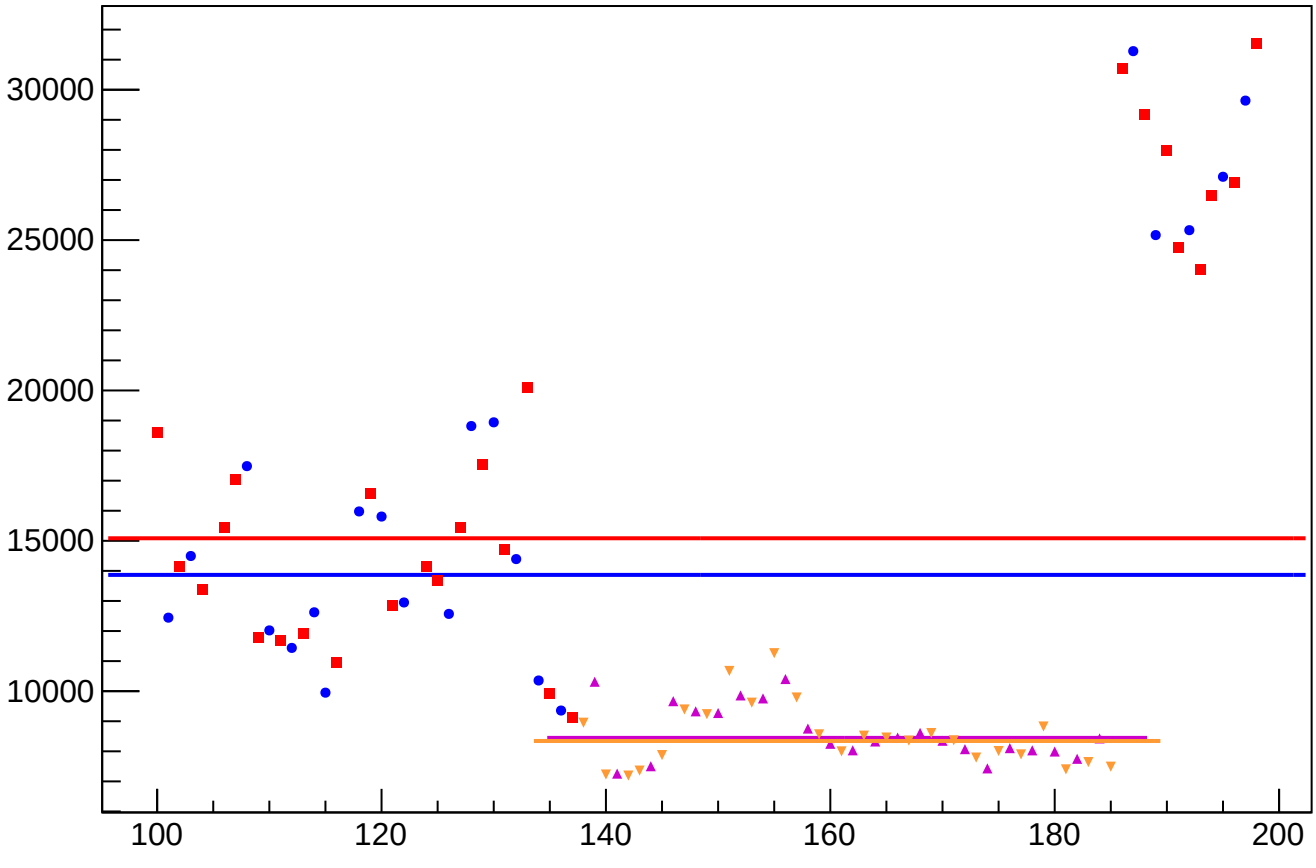
Right: 633.237+/-0.102 χ^2/NDF: 6527701.7/47

In: 462.822+/-0.065 χ^2/NDF:5271882.3/43

Out: 473.104+/-0.063 χ^2/NDF:5851861.3/51

All: 468.080+/-0.045 χ^2/NDF: 11136650.6/95


diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
120
140
160
180
200
Right In: -8.713+/-4.544 χ²/NDF: 25.0/20
Left Out: -8.623+/-1.913 χ²/NDF:61.6/24
Right Out: 11.642+/-4.513 χ²/NDF: 19.3/26
Left In: 1.027+/-1.987 χ²/NDF:29.8/22
Left: -3.980+/-1.378 χ²/NDF: 103.6/47
Right: 1.535+/-3.202 χ²/NDF: 54.5/47
In: -0.536+/-1.820 χ²/NDF:58.7/43
Out: -5.536+/-1.761 χ²/NDF:98.0/51
All: -3.118+/-1.266 χ²/NDF: 160.6/95



Right In: 13866.935+/-3.213 χ^2/NDF: 2448962.3/20

Left Out: 8344.309+/-1.353 χ^2/NDF:469243.6/24

Right Out: 15084.788+/-3.191 χ^2/NDF: 3095890.4/26

Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

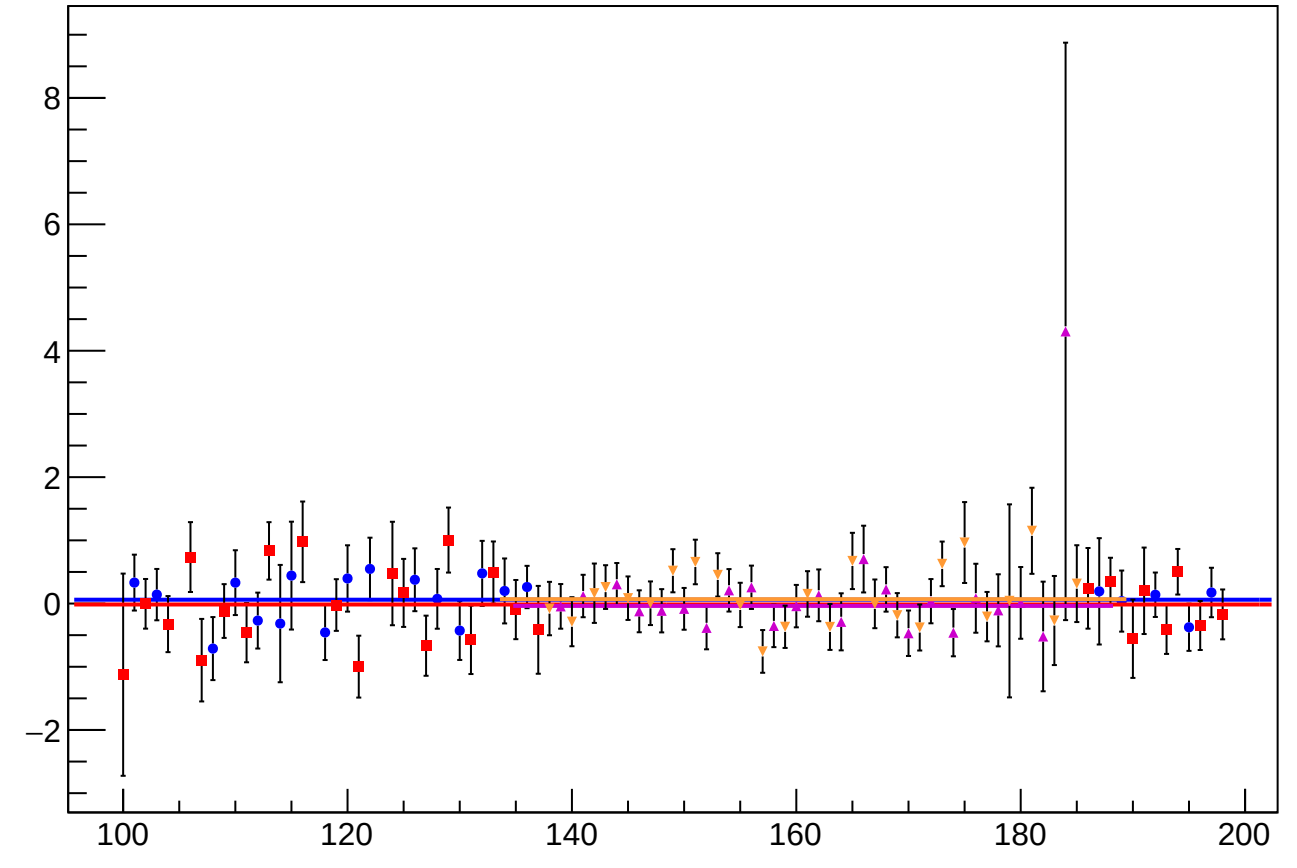
Left: 8393.566+/-0.974 χ^2/NDF: 853901.2/47

Right: 14480.035+/-2.264 χ^2/NDF: 5617185.1/47

In: 9316.567+/-1.287 χ^2/NDF:5220170.2/43

Out: 9371.122+/-1.245 χ^2/NDF:7347514.5/51

All: 9344.742+/-0.895 χ^2/NDF: 12568612.6/9



Right In: 0.061+/-0.102 χ^2/NDF: 10.9/20

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: -0.015+/-0.094 χ^2/NDF: 30.2/26

Left In: -0.037+/-0.081 χ^2/NDF:11.7/22

Left: 0.017+/-0.057 χ^2/NDF: 40.8/47

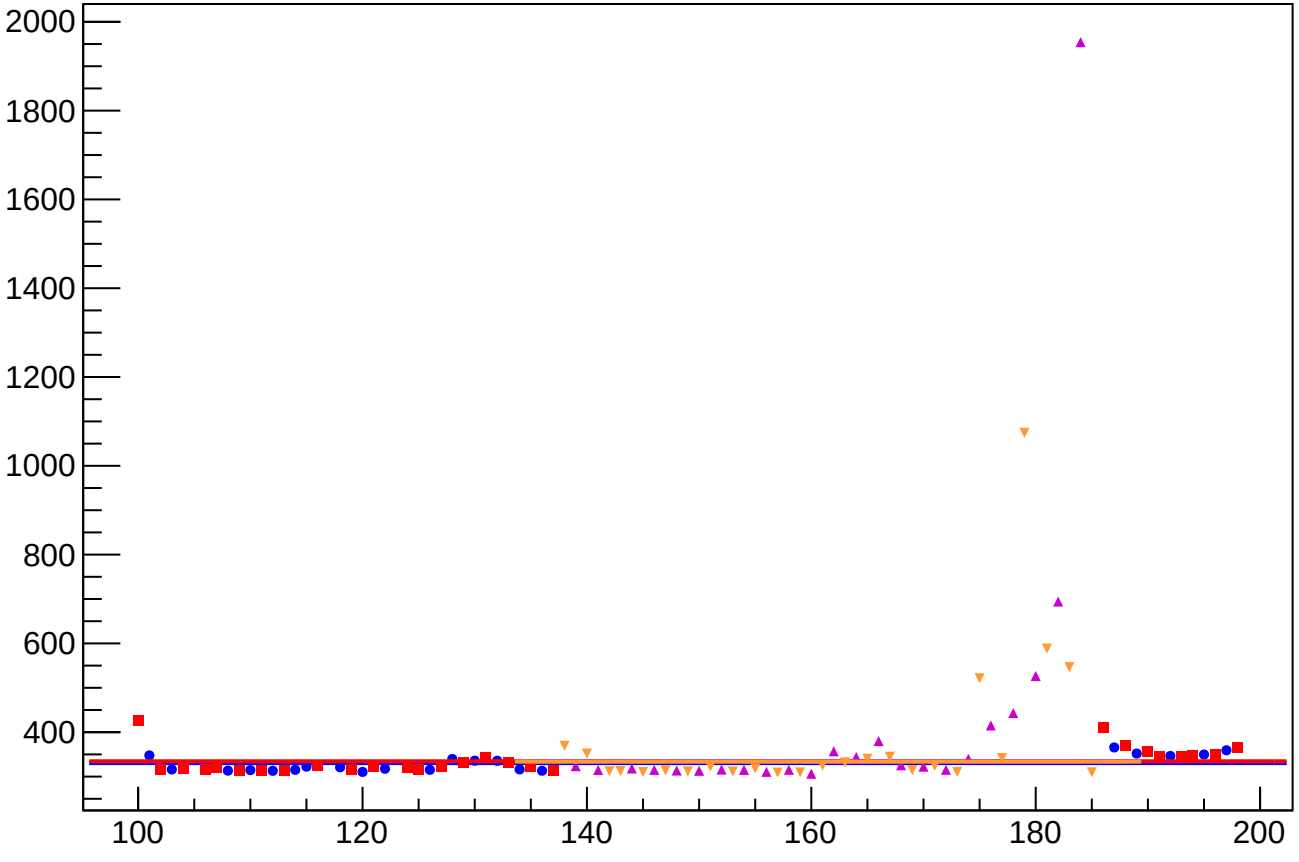
Right: 0.020+/-0.069 χ^2/NDF: 41.4/47

In: 0.001+/-0.063 χ^2/NDF:23.2/43

Out: 0.034+/-0.060 χ^2/NDF:58.9/51

All: 0.018+/-0.044 χ^2/NDF: 82.2/95

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 330.379+/-0.072 χ^2/NDF: 56501.1/20

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 334.553+/-0.066 χ^2/NDF: 110720.8/26

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

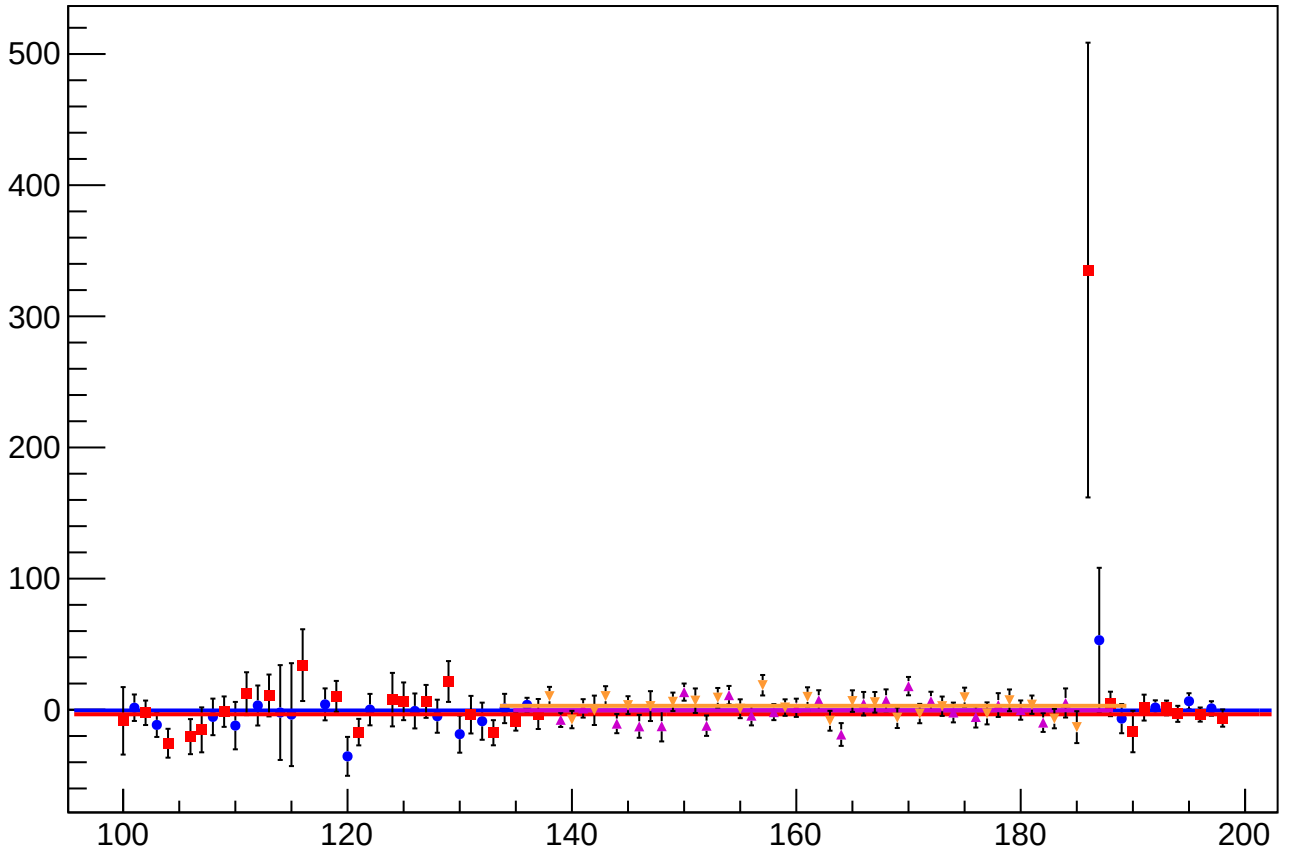
Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

Right: 332.636+/-0.049 χ^2/NDF: 169044.3/47

In: 332.583+/-0.045 χ^2/NDF:1109020.5/43

Out: 334.103+/-0.043 χ^2/NDF:1328056.6/51

All: 333.379+/-0.031 χ^2/NDF: 2437680.6/95



Right In: -0.537+/-2.138 χ^2/NDF: 13.4/20

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

Right Out: -3.445+/-1.934 χ^2/NDF: 26.1/26

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

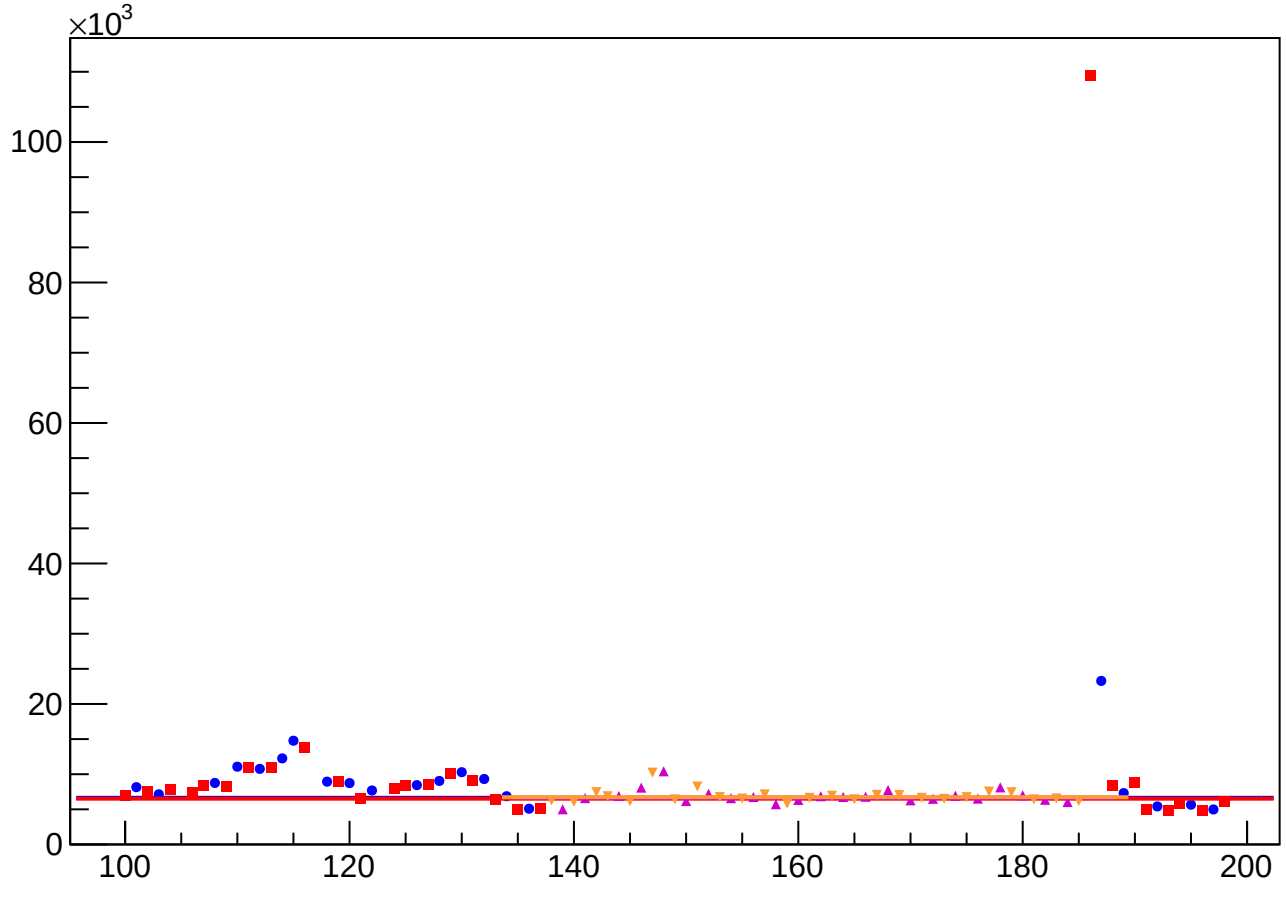
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -2.136+/-1.434 χ^2/NDF: 40.5/47

In: -0.416+/-1.265 χ^2/NDF:47.1/43

Out: 0.511+/-1.206 χ^2/NDF:53.3/51

All: 0.069+/-0.873 χ^2/NDF: 100.7/95



Right In: 6641.669+/-1.512 χ^2/NDF: 1622108.1/20

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6517.437+/-1.368 χ^2/NDF: 2329590.7/26

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

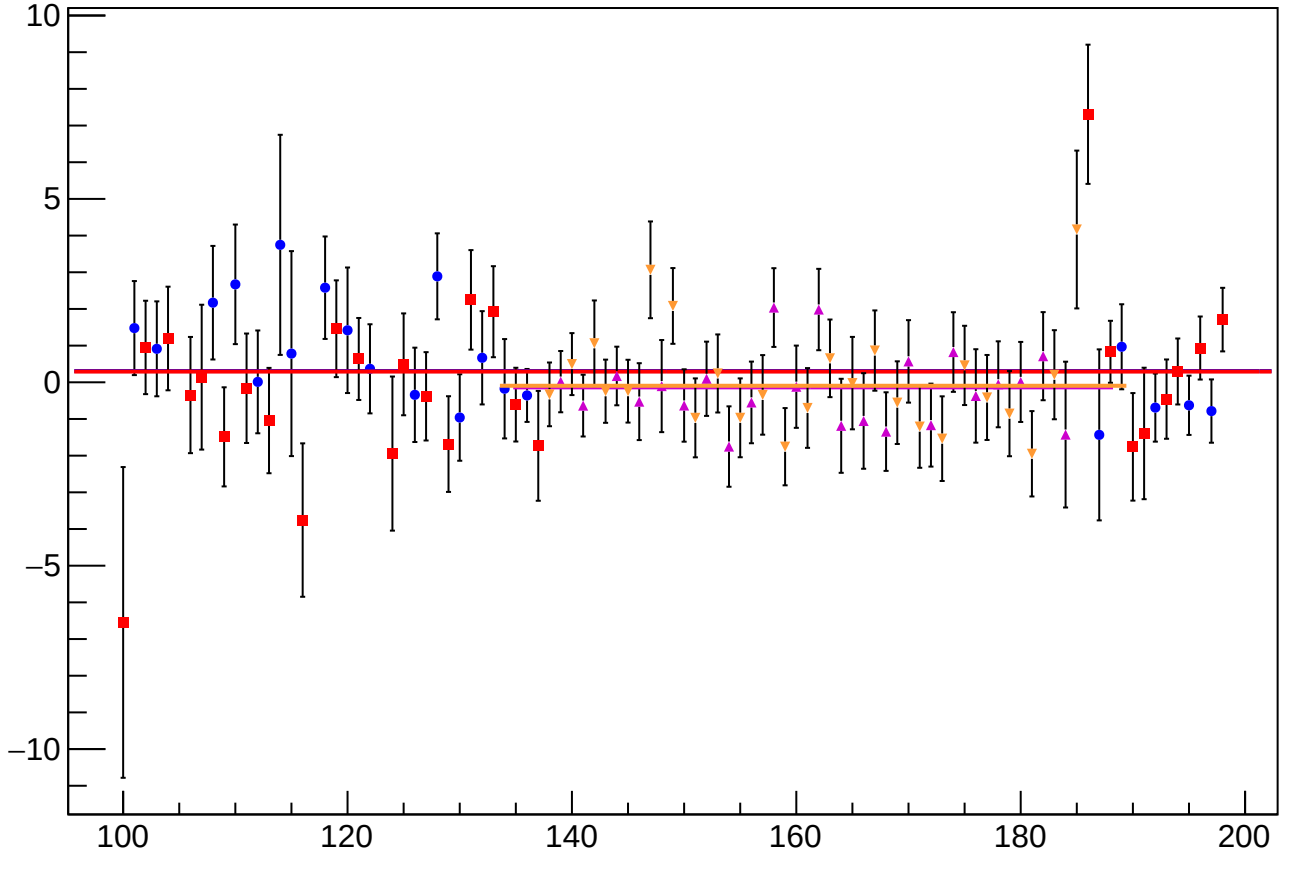
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 6573.355+/-1.014 χ^2/NDF: 3955411.5/47

In: 6635.853+/-0.894 χ^2/NDF:2251621.7/43

Out: 6643.146+/-0.852 χ^2/NDF:2746718.1/51

All: 6639.673+/-0.617 χ^2/NDF: 4998374.7/95



Right In: 0.307+/-0.264 χ^2/NDF: 21.4/20

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: 0.293+/-0.244 χ^2/NDF: 41.6/26

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

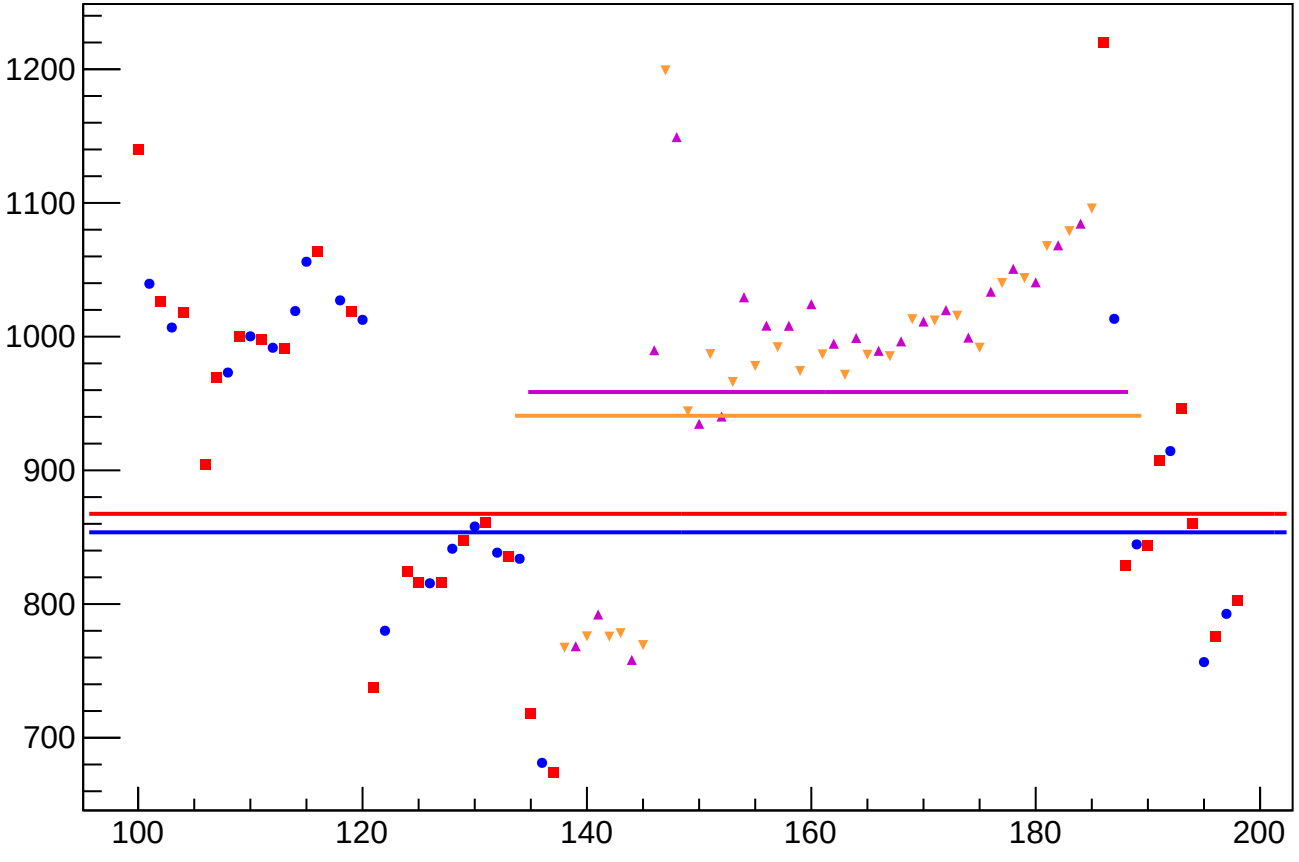
Right: 0.299+/-0.179 χ^2/NDF: 63.0/47

In: 0.050+/-0.171 χ^2/NDF:39.5/43

Out: 0.075+/-0.161 χ^2/NDF:70.4/51

All: 0.063+/-0.118 χ^2/NDF: 109.8/95

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 853.655+/-0.186 χ^2/NDF: 363361.3/20

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 867.490+/-0.173 χ^2/NDF: 394501.9/26

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

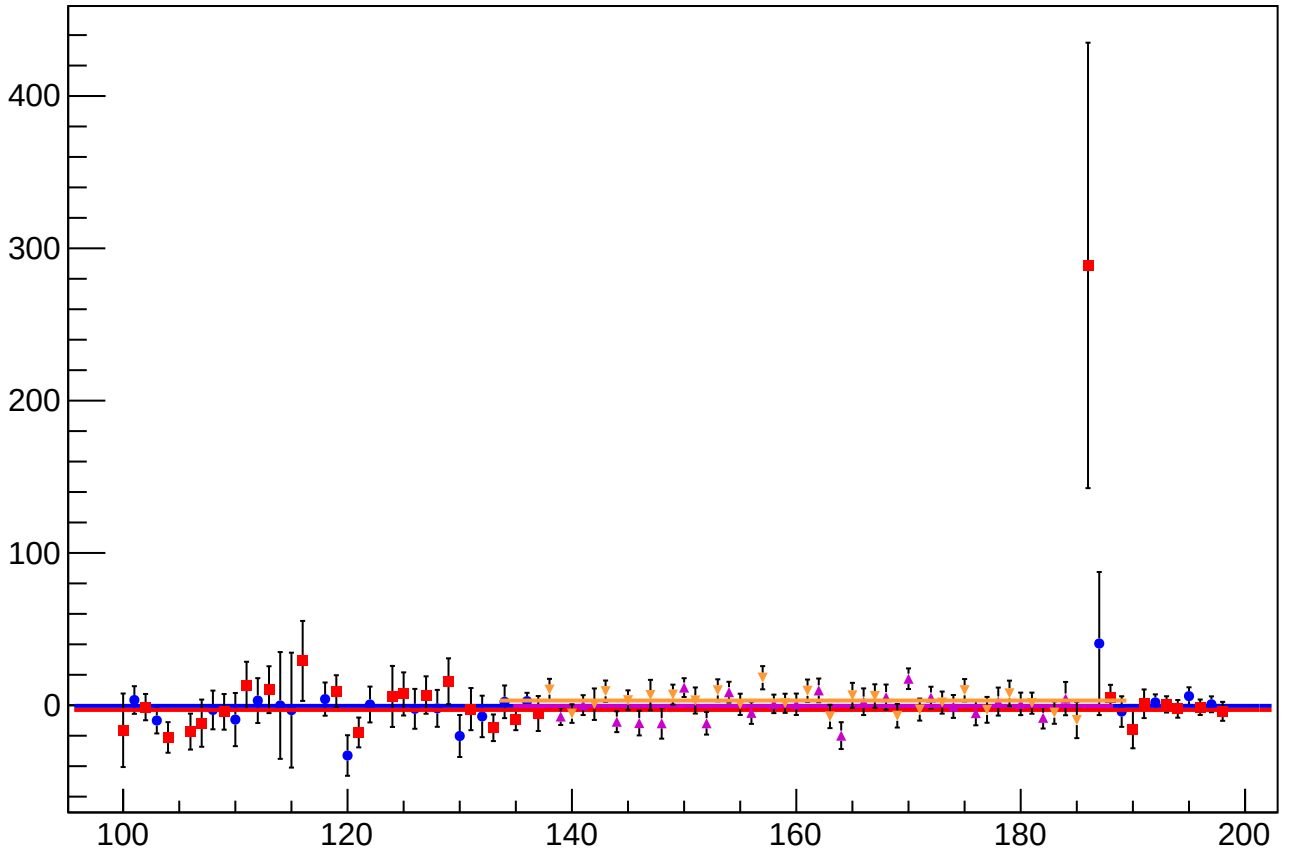
Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

Right: 861.109+/-0.127 χ^2/NDF: 760828.7/47

In: 914.301+/-0.121 χ^2/NDF:1003165.2/43

Out: 908.720+/-0.114 χ^2/NDF:1064876.4/51

All: 911.345+/-0.083 χ^2/NDF: 2069165.3/95



Right In: -0.405+/-2.034 χ^2/NDF: 13.1/20

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: -3.067+/-1.830 χ^2/NDF: 24.5/26

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

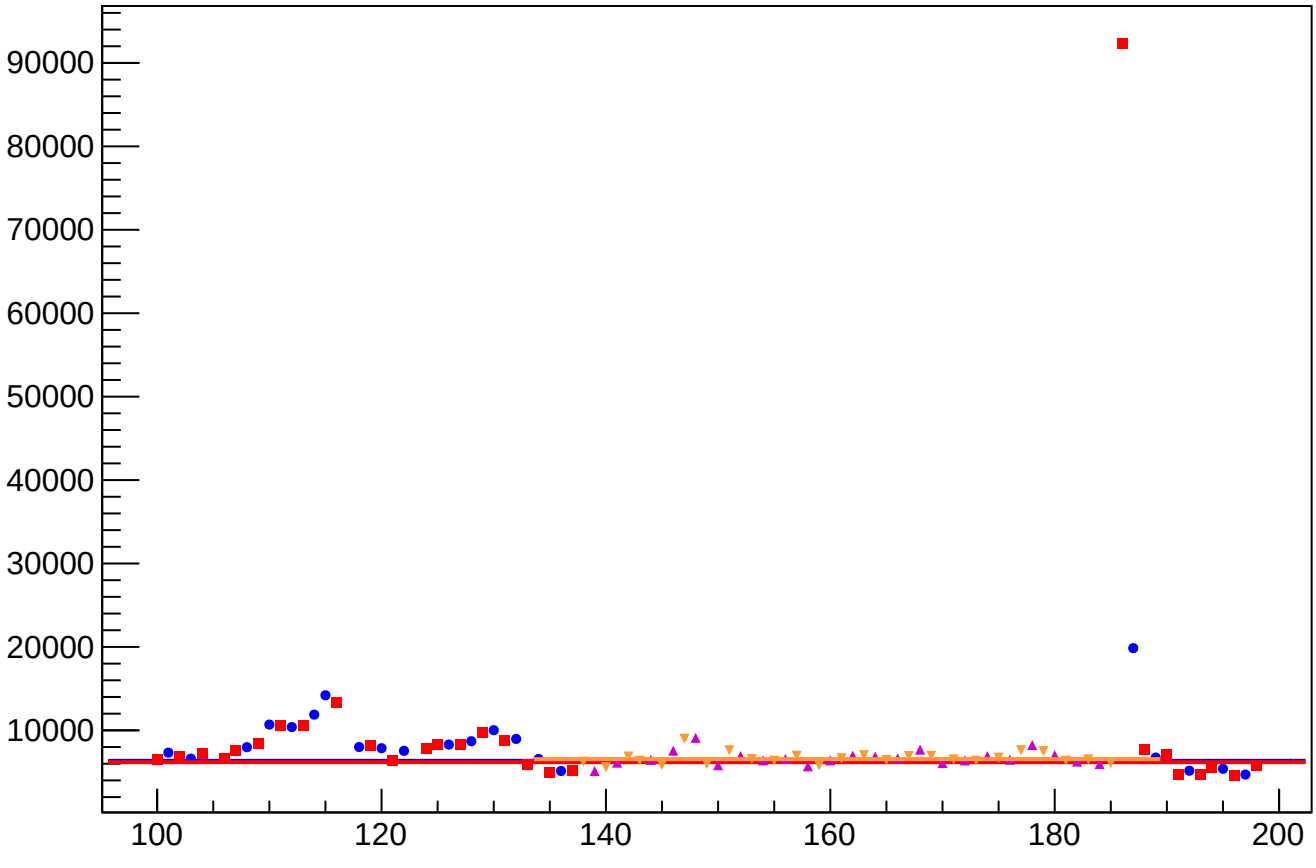
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -1.877+/-1.360 χ^2/NDF: 38.6/47

In: -0.478+/-1.225 χ^2/NDF:45.1/43

Out: 0.620+/-1.160 χ^2/NDF:49.9/51

All: 0.101+/-0.842 χ^2/NDF: 95.5/95



Right In: 6344.382+/-1.438 χ^2/NDF: 1524098.2/20

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6189.347+/-1.294 χ^2/NDF: 2259758.8/26

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

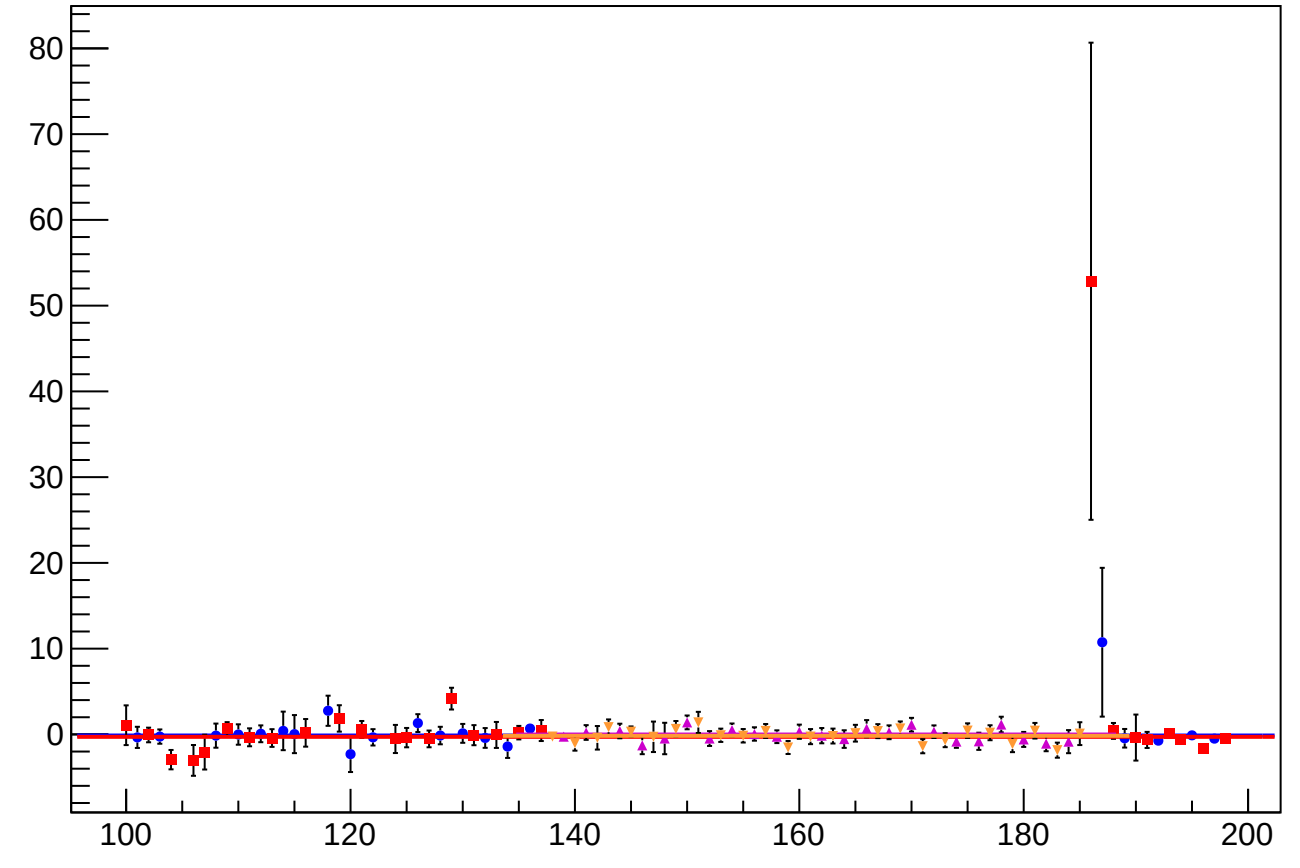
Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

Right: 6258.672+/-0.962 χ^2/NDF: 3790278.6/47

In: 6446.773+/-0.866 χ^2/NDF:2047545.5/43

Out: 6404.340+/-0.820 χ^2/NDF:2672017.7/51

All: 6424.398+/-0.596 χ^2/NDF: 4720828.1/95



Right In: -0.131+/-0.202 χ^2/NDF: 12.3/20

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: -0.283+/-0.184 χ^2/NDF: 37.7/26

Left In: -0.017+/-0.169 χ^2/NDF:15.2/22

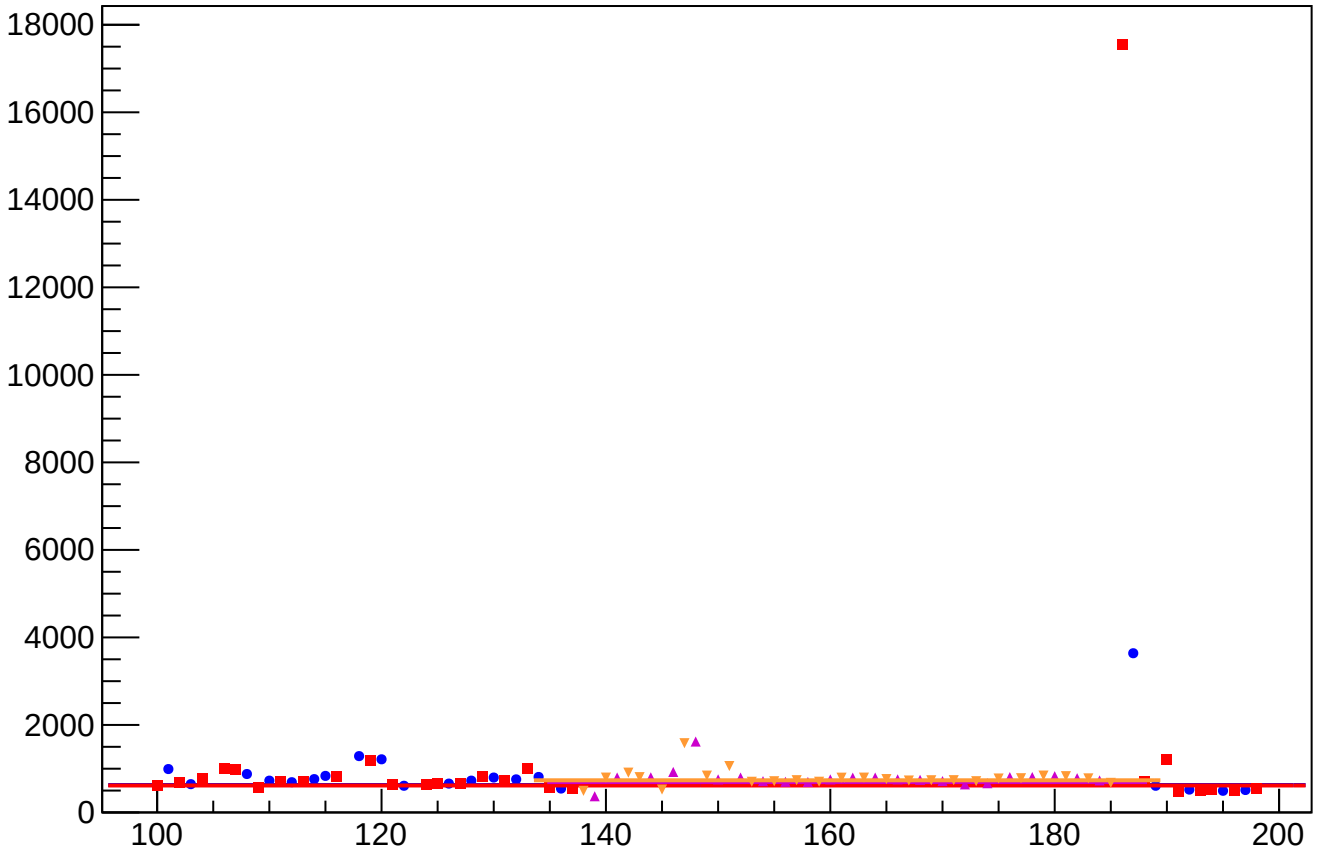
Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

Right: -0.214+/-0.136 χ^2/NDF: 50.3/47

In: -0.064+/-0.130 χ^2/NDF:27.7/43

Out: -0.219+/-0.126 χ^2/NDF:56.9/51

All: -0.144+/-0.090 χ^2/NDF: 85.3/95



Right In: 627.022+/-0.143 χ^2/NDF: 1421632.3/20

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 616.644+/-0.130 χ^2/NDF: 1935812.1/26

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

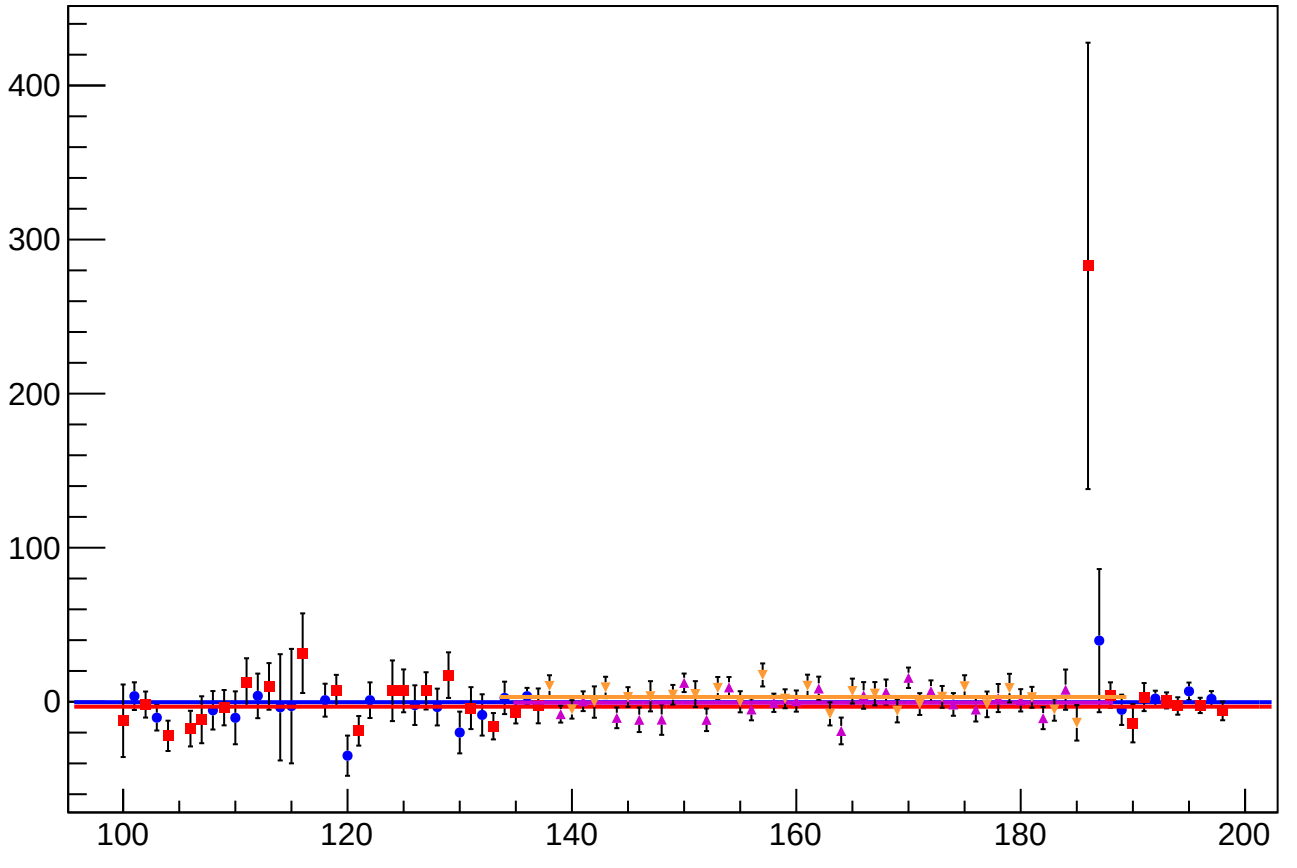
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 621.352+/-0.096 χ^2/NDF: 3360318.2/47

In: 666.555+/-0.092 χ^2/NDF:3776335.4/43

Out: 679.892+/-0.089 χ^2/NDF:3715710.8/51

All: 673.428+/-0.064 χ^2/NDF: 7502935.5/95



Right In: -0.268+/-1.994 χ^2/NDF: 15.5/20

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: -3.186+/-1.792 χ^2/NDF: 25.7/26

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

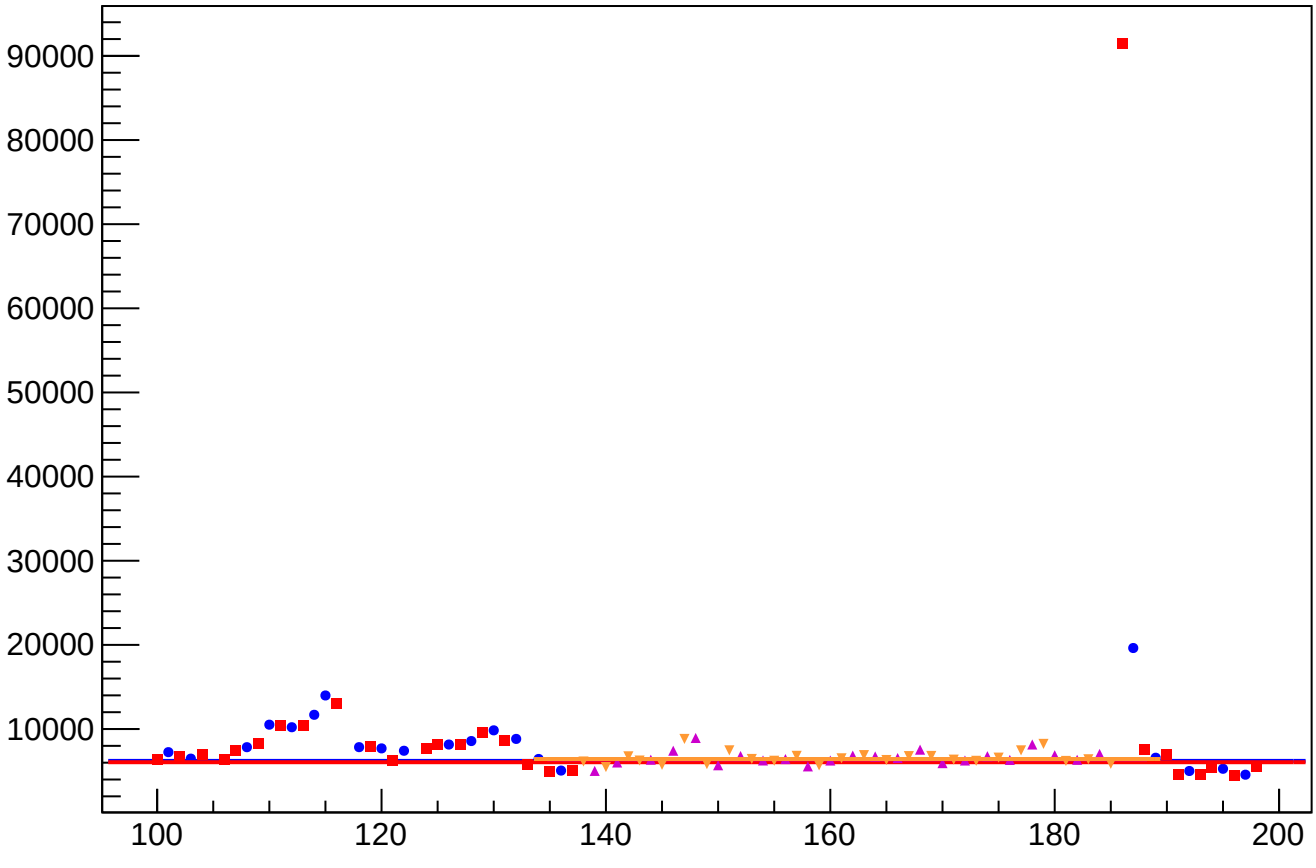
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -1.882+/-1.333 χ^2/NDF: 42.4/47

In: -0.447+/-1.205 χ^2/NDF:49.1/43

Out: 0.566+/-1.139 χ^2/NDF:51.8/51

All: 0.088+/-0.828 χ^2/NDF: 101.2/95



Right In: 6211.248+/-1.410 χ^2/NDF: 1552793.4/20

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6056.050+/-1.267 χ^2/NDF: 2281157.6/26

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

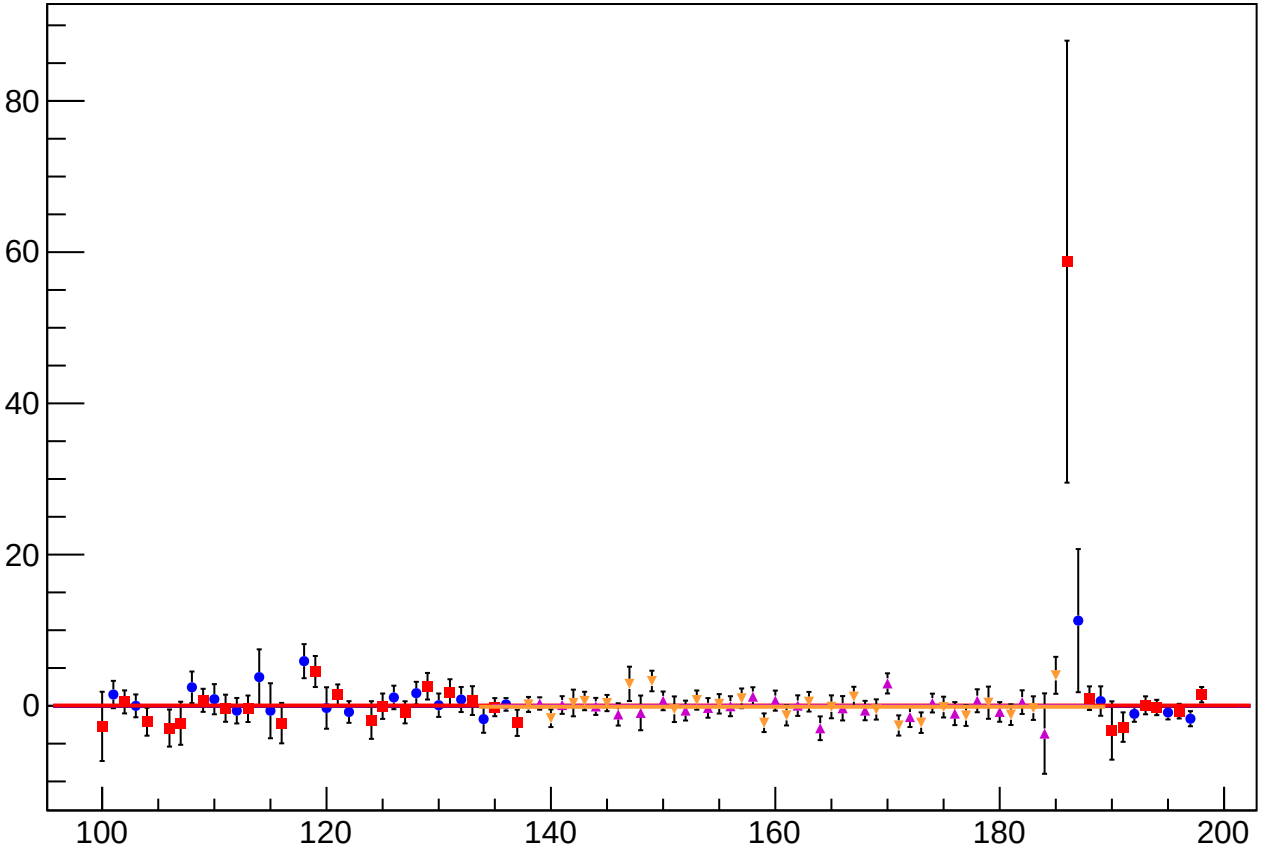
Right: 6125.395+/-0.943 χ^2/NDF: 3840652.7/47

In: 6334.390+/-0.852 χ^2/NDF:2089887.4/43

Out: 6282.033+/-0.806 χ^2/NDF:2751852.8/51

All: 6306.747+/-0.585 χ^2/NDF: 4843733.5/95

diff_bpm_4aY_4ecY_dd_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.328 χ^2/NDF: 20.1/20

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: 0.035+/-0.310 χ^2/NDF: 26.7/26

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

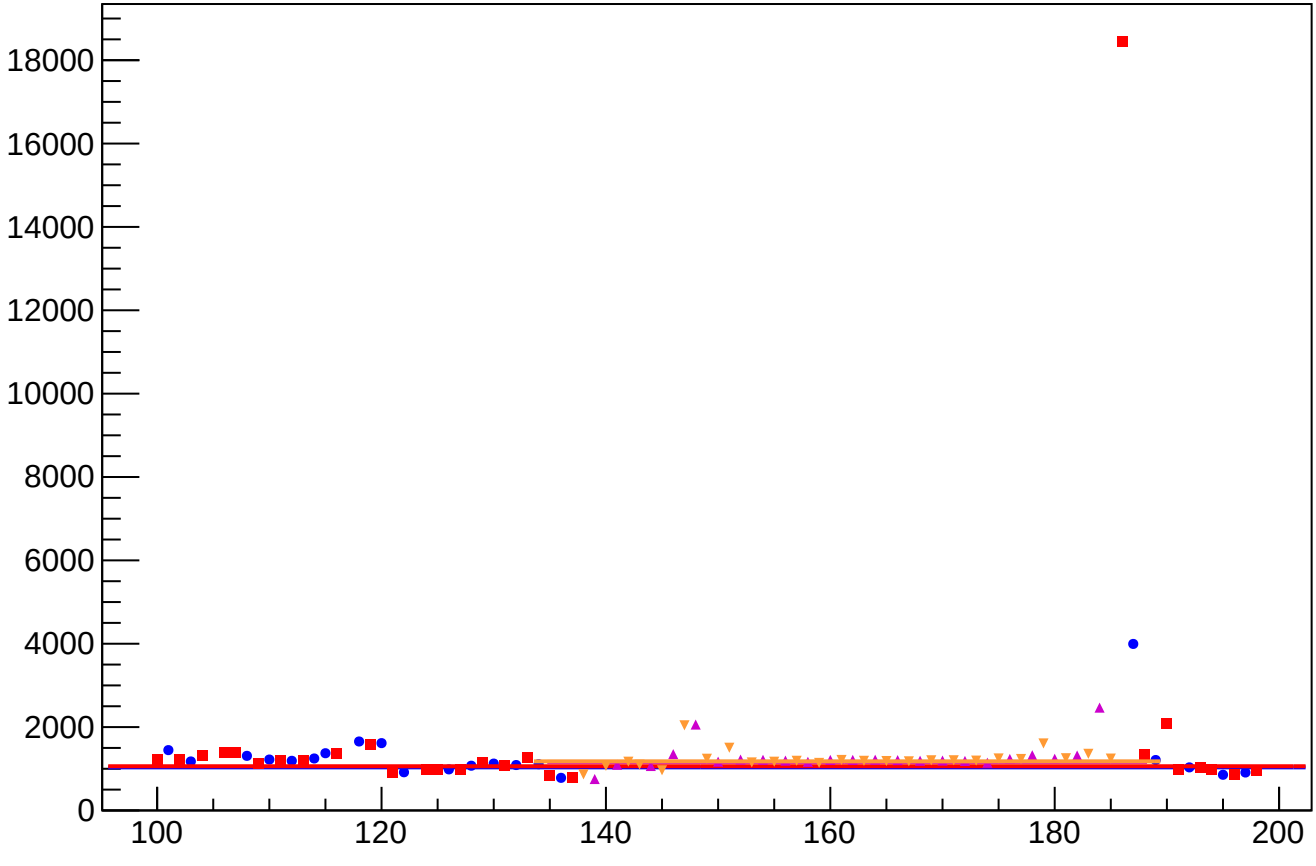
Right: 0.009+/-0.225 χ^2/NDF: 46.8/47

In: -0.025+/-0.212 χ^2/NDF:34.5/43

Out: -0.054+/-0.205 χ^2/NDF:53.9/51

All: -0.040+/-0.147 χ^2/NDF: 88.4/95

diff_bpm_4aY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 1034.121+/-0.232 χ^2/NDF: 986425.1/20

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 1060.567+/-0.219 χ^2/NDF: 1533677.9/26

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

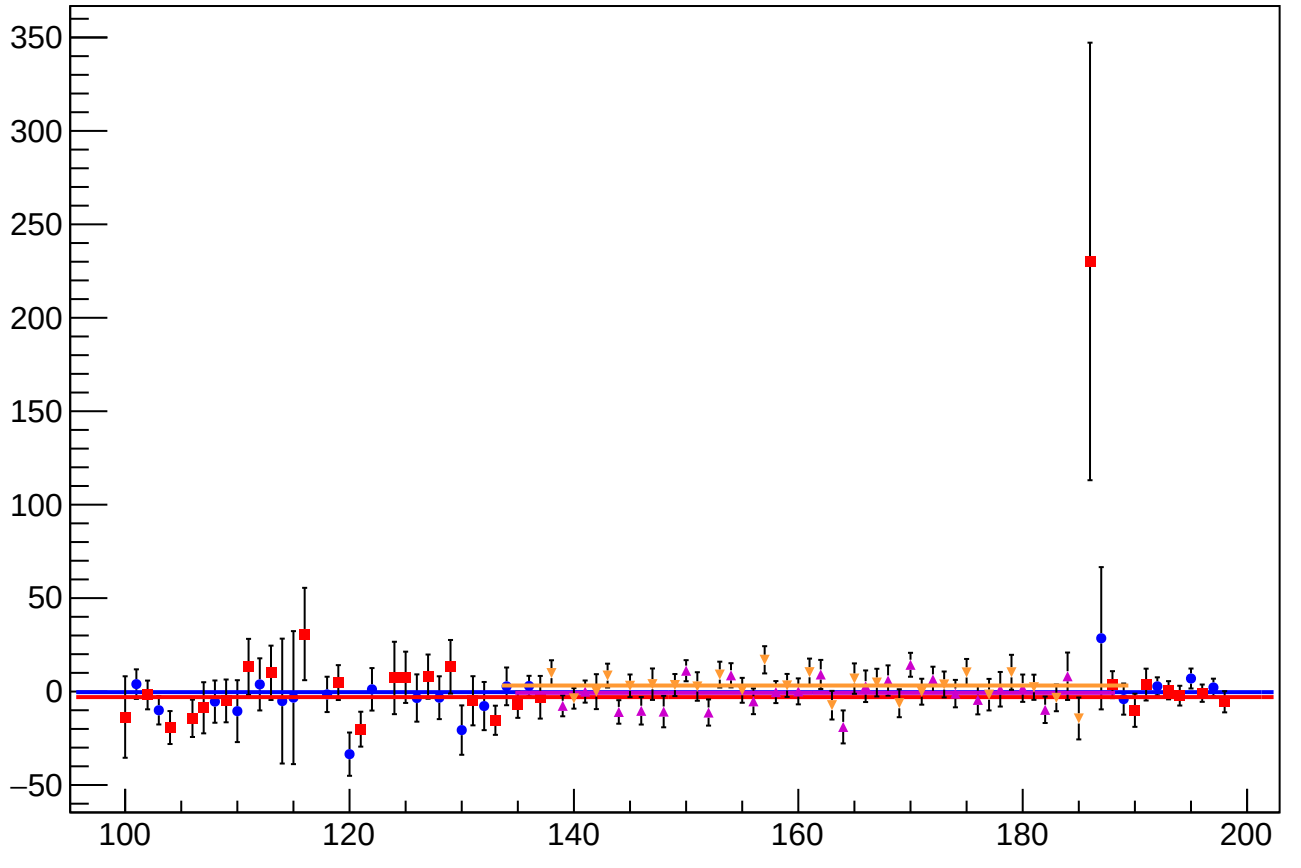
Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

Right: 1048.102+/-0.159 χ^2/NDF: 2526973.4/47

In: 1109.486+/-0.150 χ^2/NDF:2220277.5/43

Out: 1126.438+/-0.145 χ^2/NDF:2495458.0/51

All: 1118.262+/-0.104 χ^2/NDF: 4722333.4/95



Right In: -0.319+/-1.871 χ^2/NDF: 17.5/20

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: -2.971+/-1.666 χ^2/NDF: 26.0/26

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

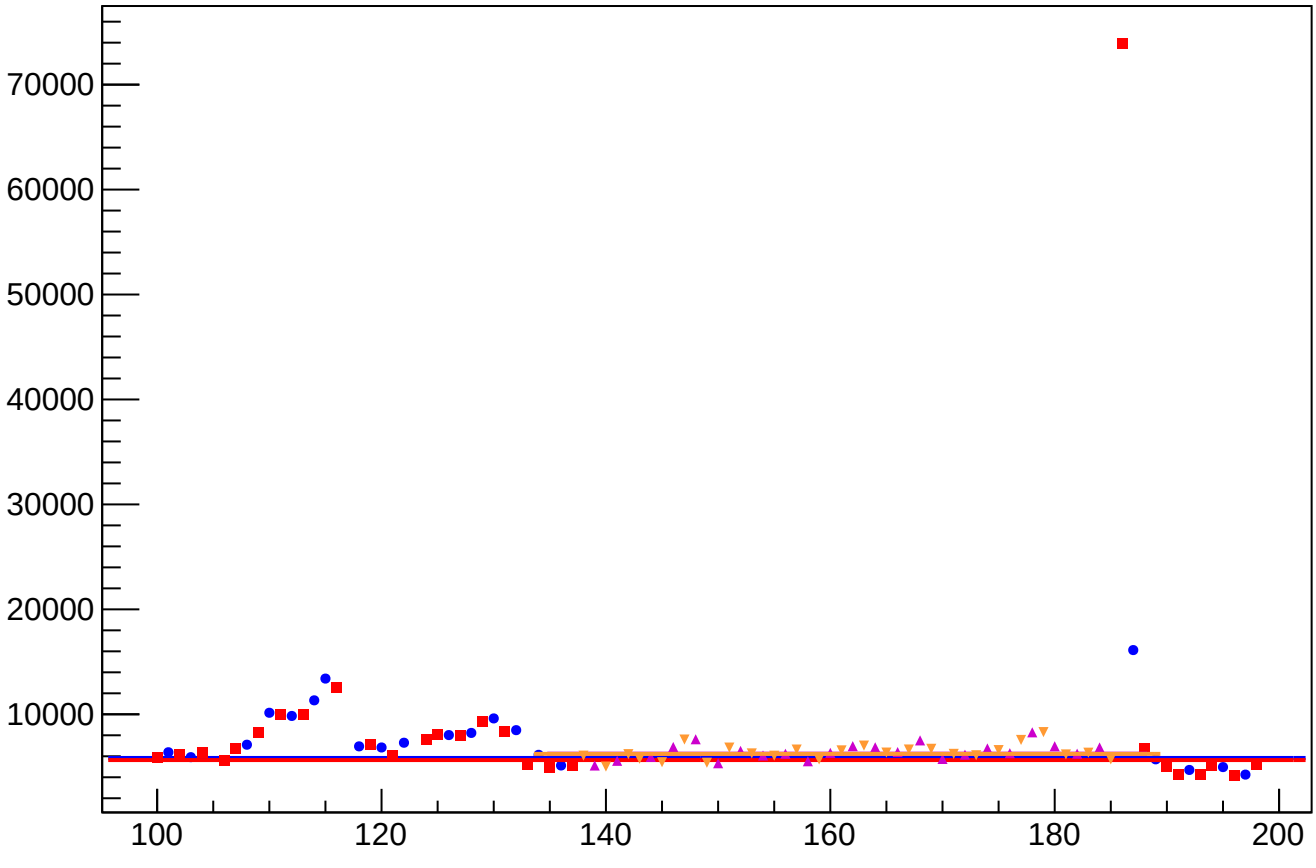
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

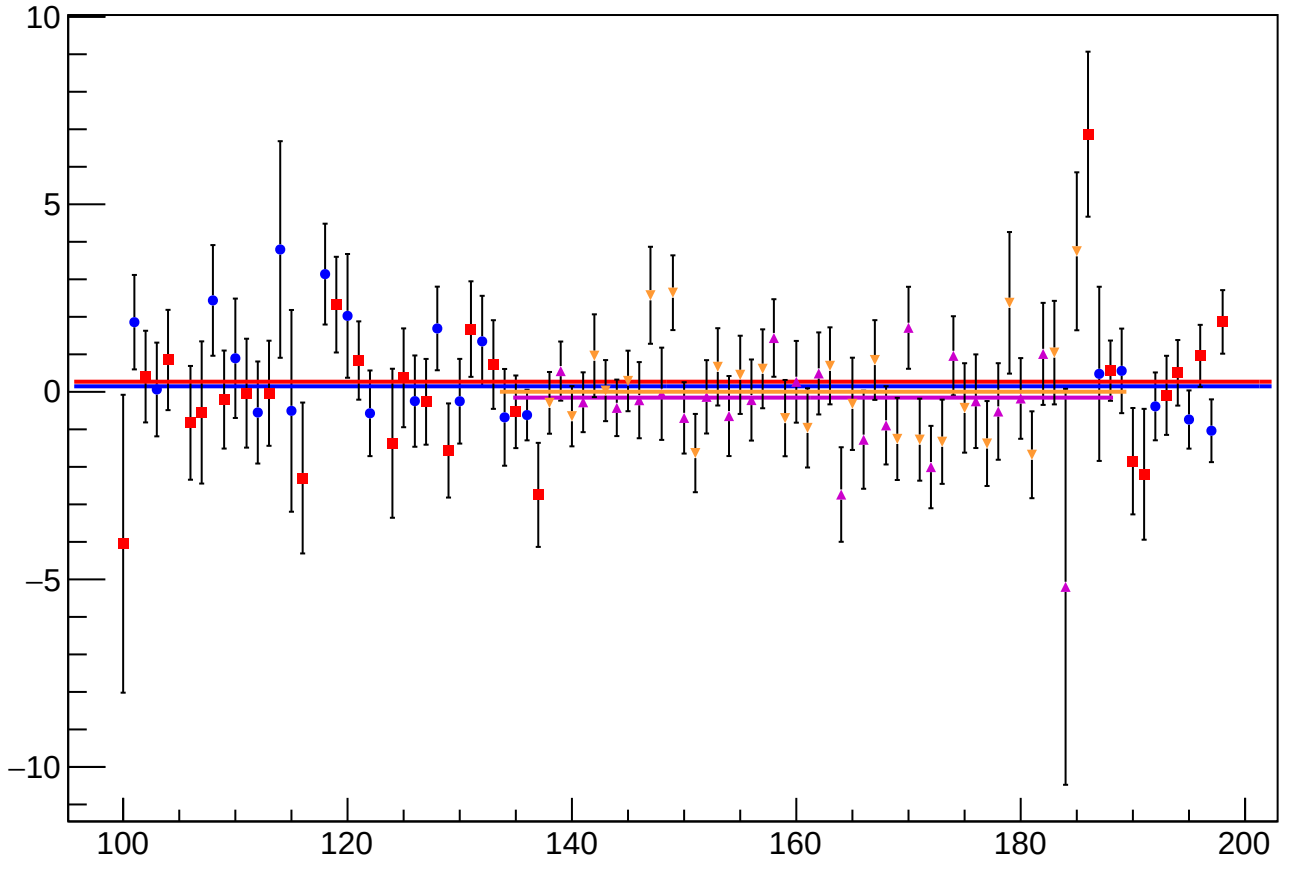
Right: -1.799+/-1.244 χ^2/NDF: 44.6/47

In: -0.534+/-1.158 χ^2/NDF:49.9/43

Out: 0.602+/-1.085 χ^2/NDF:51.9/51

All: 0.071+/-0.792 χ^2/NDF: 102.3/95


diff_bpm_4eY_4ecY_avg_rms vs Slug, Sign Corrected
70000
60000
50000
40000
30000
20000
10000
100
120
140
160
180
200
Right In: 5839.559+/-1.323 χ²/NDF: 1522835.2/20
Left Out: 6228.654+/-1.011 χ²/NDF:470851.7/24
Right Out: 5639.679+/-1.178 χ²/NDF: 2298822.5/26
Left In: 6246.800+/-1.042 χ²/NDF:484982.9/22
Left: 6237.452+/-0.726 χ²/NDF: 955990.8/47
Right: 5728.049+/-0.880 χ²/NDF: 3834388.5/47
In: 6090.907+/-0.819 χ²/NDF:2066283.5/43
Out: 5978.851+/-0.767 χ²/NDF:2913654.2/51
All: 6031.240+/-0.560 χ²/NDF: 4989913.8/95



Right In: 0.147+/-0.253 χ^2/NDF: 21.7/20

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: 0.271+/-0.235 χ^2/NDF: 34.5/26

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

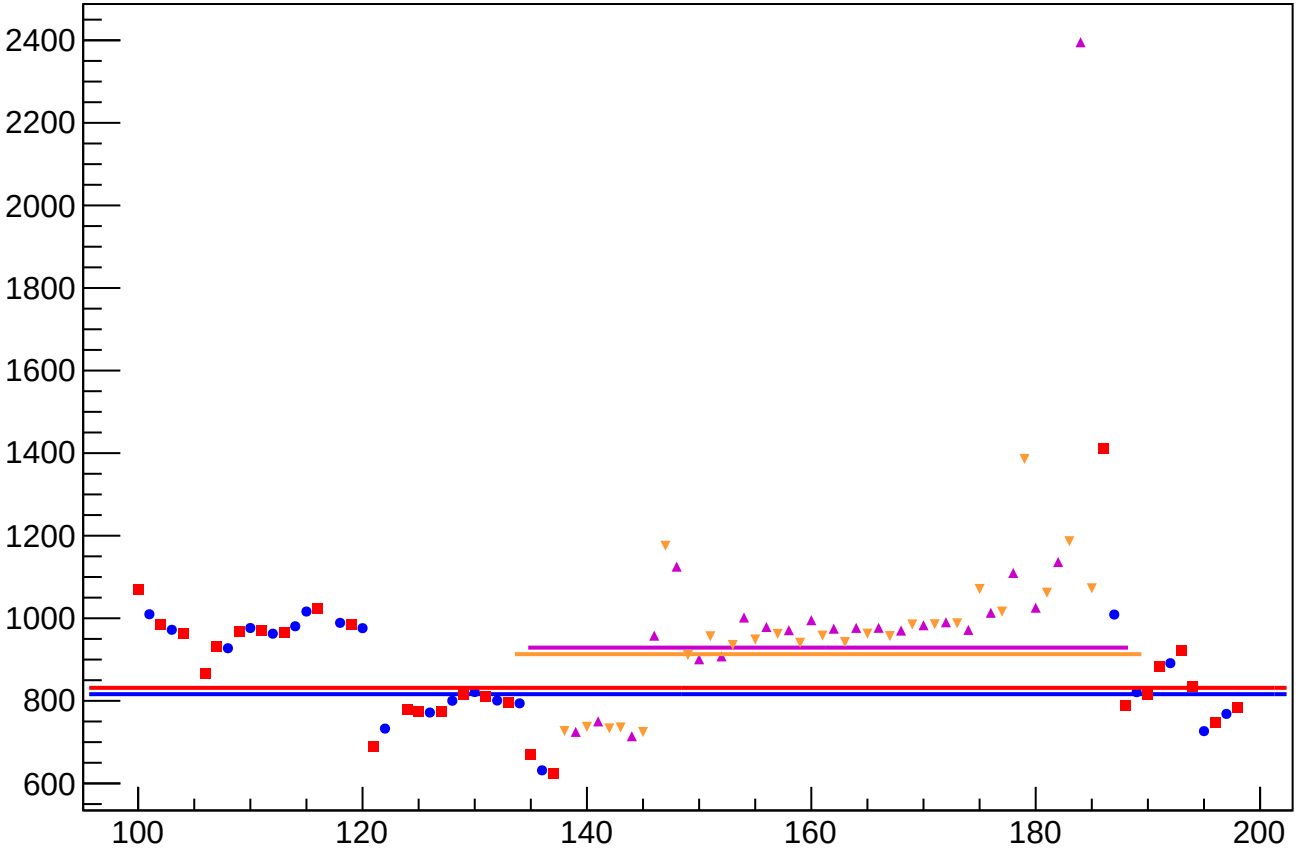
Right: 0.214+/-0.172 χ^2/NDF: 56.3/47

In: -0.024+/-0.166 χ^2/NDF:40.9/43

Out: 0.123+/-0.157 χ^2/NDF:66.8/51

All: 0.054+/-0.114 χ^2/NDF: 108.1/95

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 816.156+/-0.179 χ^2/NDF: 427647.0/20

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 831.512+/-0.166 χ^2/NDF: 508954.3/26

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

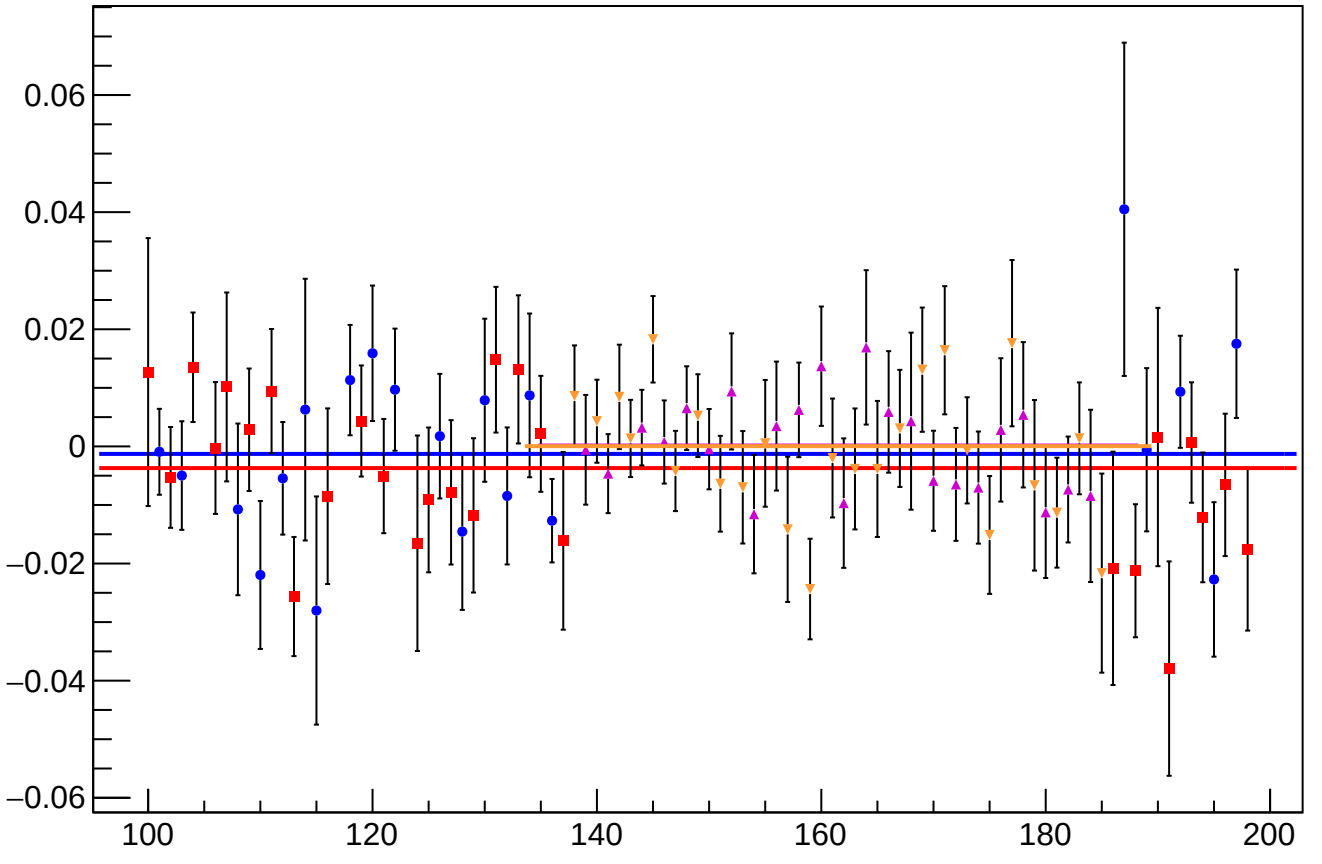
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 824.405+/-0.122 χ^2/NDF: 940563.4/47

In: 880.068+/-0.118 χ^2/NDF:1422105.1/43

Out: 876.445+/-0.111 χ^2/NDF:1531177.8/51

All: 878.154+/-0.081 χ^2/NDF: 2953783.7/95



Right In: -0.001+/-0.002 χ^2/NDF: 23.7/20

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: -0.004+/-0.002 χ^2/NDF: 26.8/26

Left In: 0.000+/-0.002 χ^2/NDF:12.8/22

Left: 0.000+/-0.001 χ^2/NDF: 43.9/47

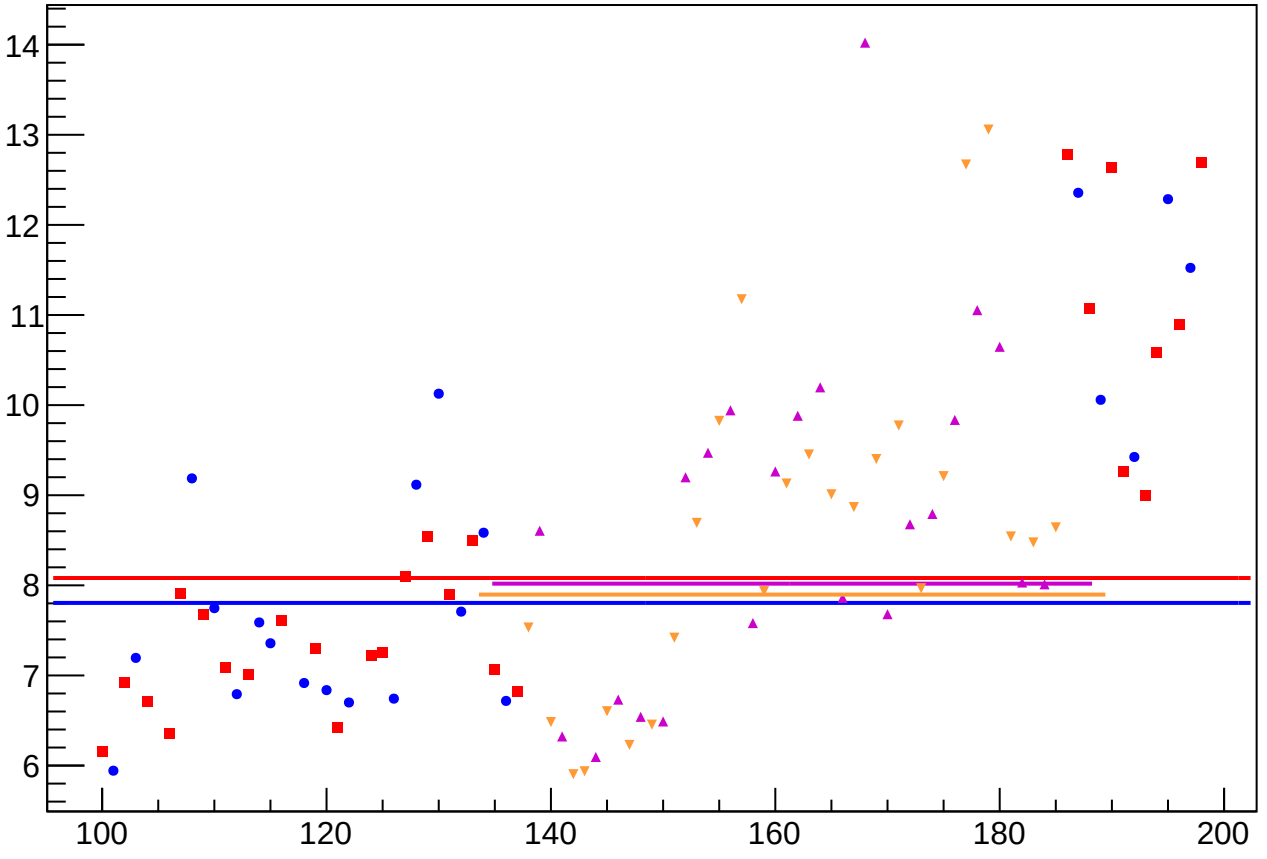
Right: -0.003+/-0.002 χ^2/NDF: 51.1/47

In: -0.000+/-0.002 χ^2/NDF:36.7/43

Out: -0.001+/-0.001 χ^2/NDF:59.6/51

All: -0.001+/-0.001 χ^2/NDF: 96.5/95

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.805+/-0.002 χ^2/NDF: 944676.9/20

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

Right Out: 8.081+/-0.002 χ^2/NDF: 1097003.6/26

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

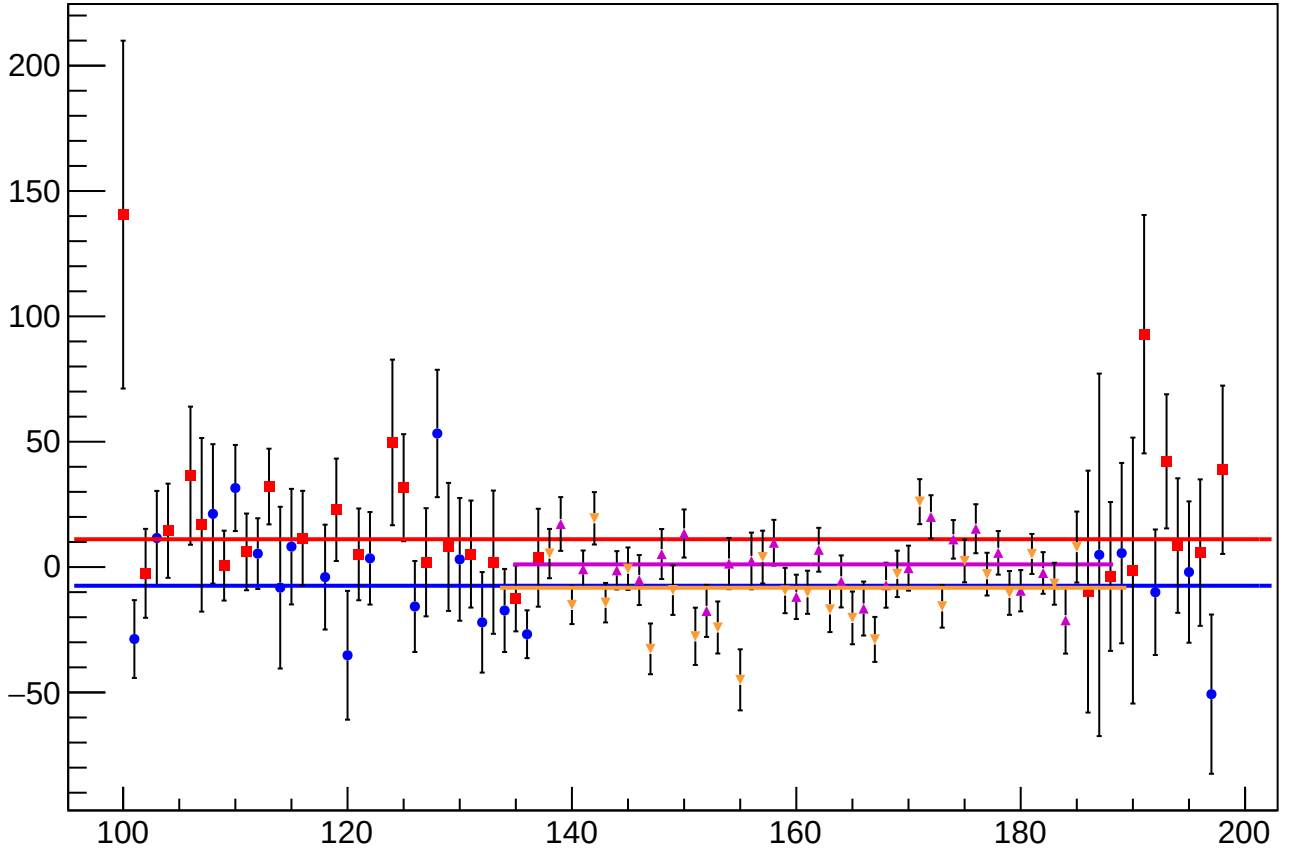
Right: 7.951+/-0.001 χ^2/NDF: 2055072.6/47

In: 7.938+/-0.001 χ^2/NDF:2409796.4/43

Out: 7.969+/-0.001 χ^2/NDF:2695592.0/51

All: 7.954+/-0.001 χ^2/NDF: 5105824.4/95

diff_targ_positionX_mean vs Slug, Sign Corrected



Right In: -7.449+/-4.286 χ^2/NDF: 25.1/20

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: 11.100+/-4.218 χ^2/NDF: 19.6/26

Left In: 1.072+/-1.921 χ^2/NDF:28.8/22

Left: -3.769+/-1.332 χ^2/NDF: 103.2/47

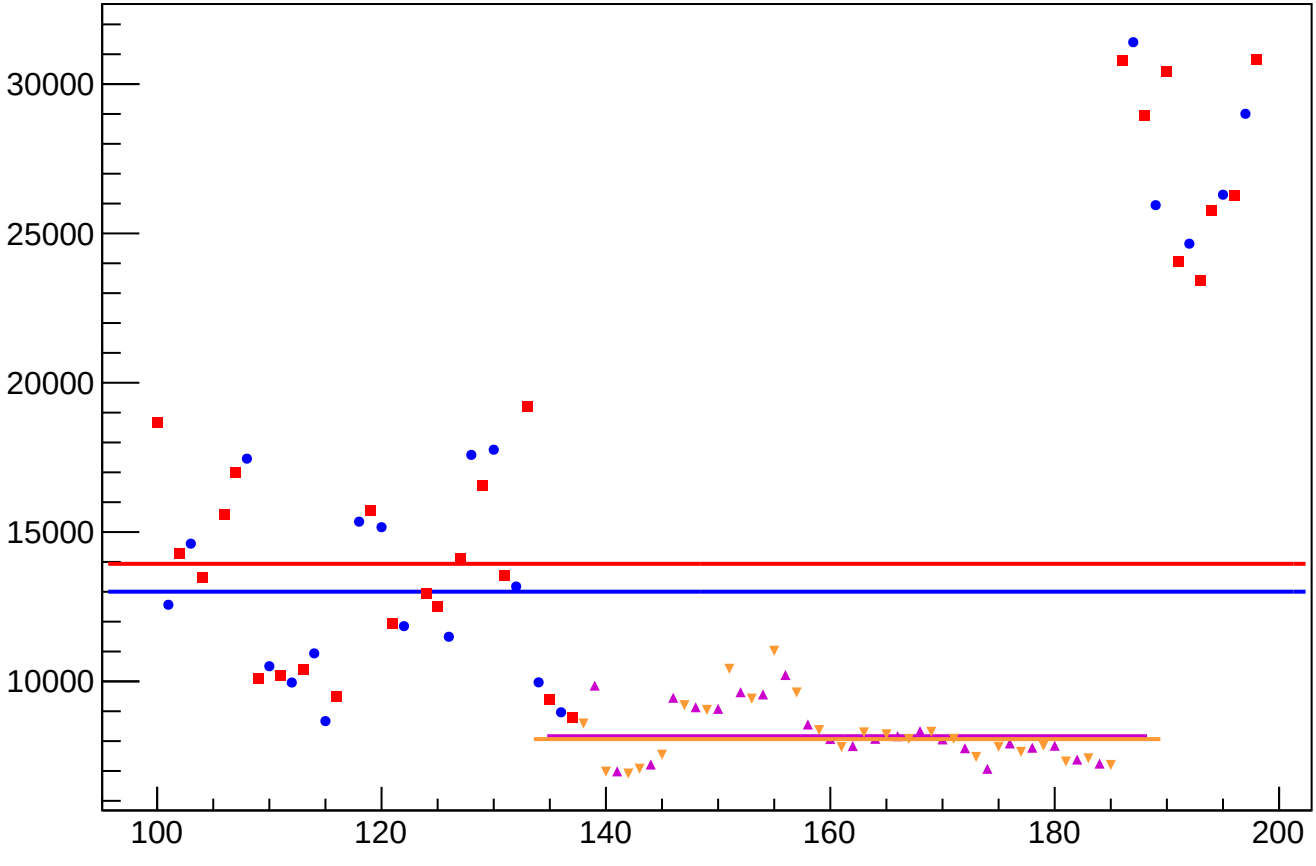
Right: 1.973+/-3.006 χ^2/NDF: 54.2/47

In: -0.354+/-1.753 χ^2/NDF:57.2/43

Out: -5.135+/-1.694 χ^2/NDF:99.4/51

All: -2.826+/-1.218 χ^2/NDF: 160.5/95

diff_targ_positionX_rms vs Slug, Sign Corrected



Right In: 13003.775+/-3.030 χ^2/NDF: 2682460.0/20

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

Right Out: 13937.126+/-2.982 χ^2/NDF: 3585717.5/26

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

Left: 8113.259+/-0.942 χ^2/NDF: 933130.1/47

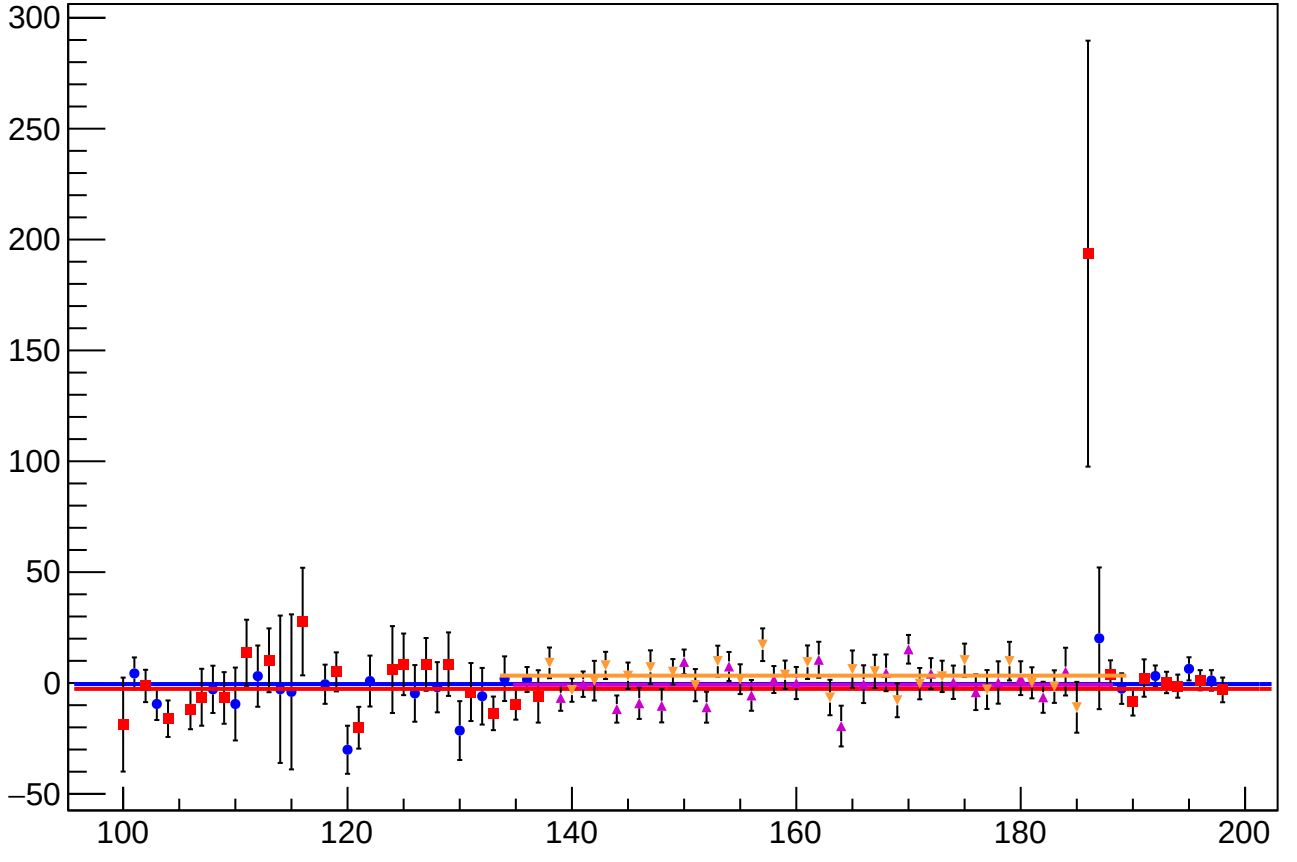
Right: 13477.891+/-2.126 χ^2/NDF: 6316365.5/47

In: 8973.175+/-1.239 χ^2/NDF:5239282.7/43

Out: 9013.379+/-1.198 χ^2/NDF:7333414.6/51

All: 8993.966+/-0.861 χ^2/NDF: 12573241.5/9

diff_targ_positionY_mean vs Slug, Sign Corrected



Right In: -0.460+/-1.815 χ^2/NDF: 15.8/20

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: -2.649+/-1.597 χ^2/NDF: 25.3/26

Left In: -0.797+/-1.479 χ^2/NDF:29.4/22

Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

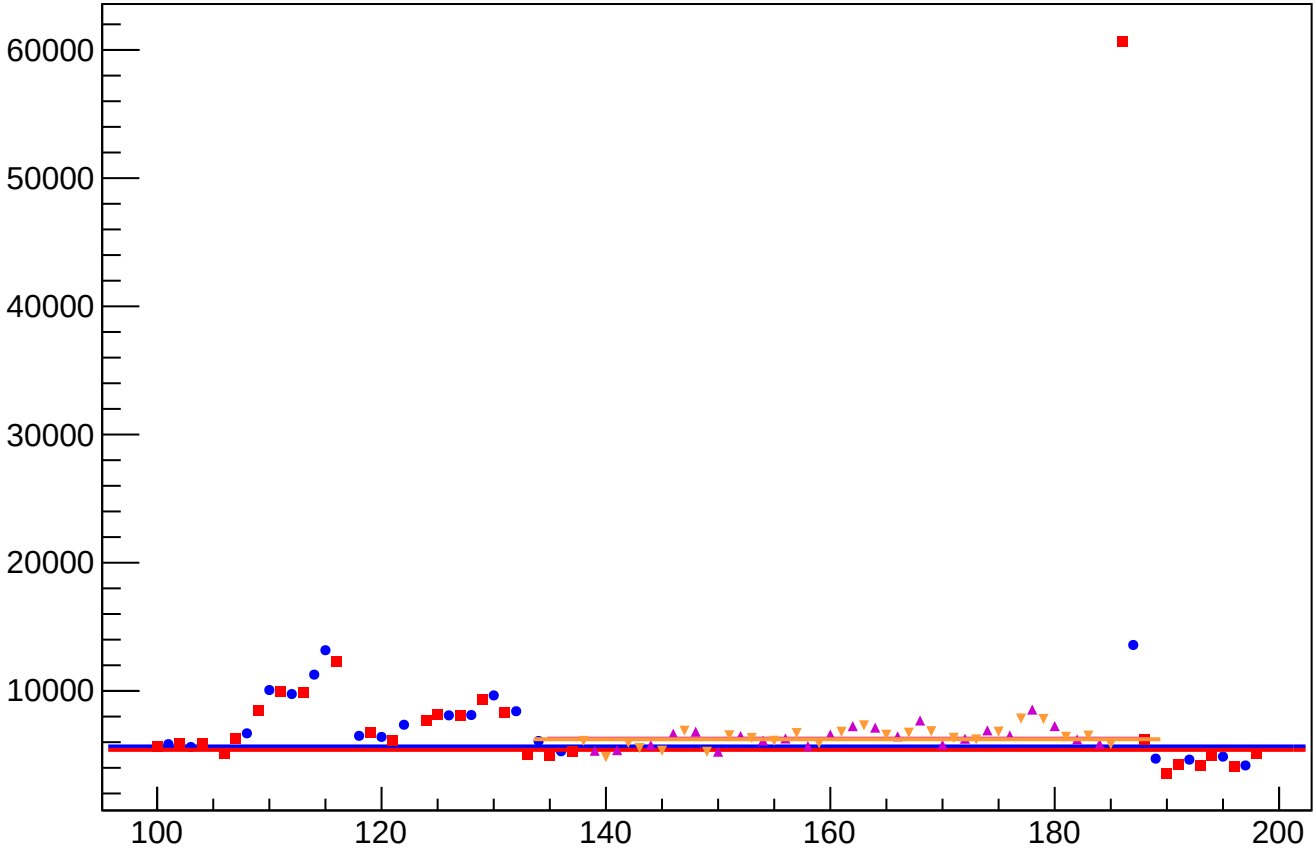
Right: -1.694+/-1.199 χ^2/NDF: 41.9/47

In: -0.662+/-1.146 χ^2/NDF:45.3/43

Out: 0.669+/-1.066 χ^2/NDF:50.0/51

All: 0.052+/-0.781 χ^2/NDF: 96.0/95

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 5668.000+/-1.283 χ^2/NDF: 1514880.6/20

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 5402.037+/-1.130 χ^2/NDF: 2446062.8/26

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

Left: 6250.225+/-0.727 χ^2/NDF: 1038055.2/47

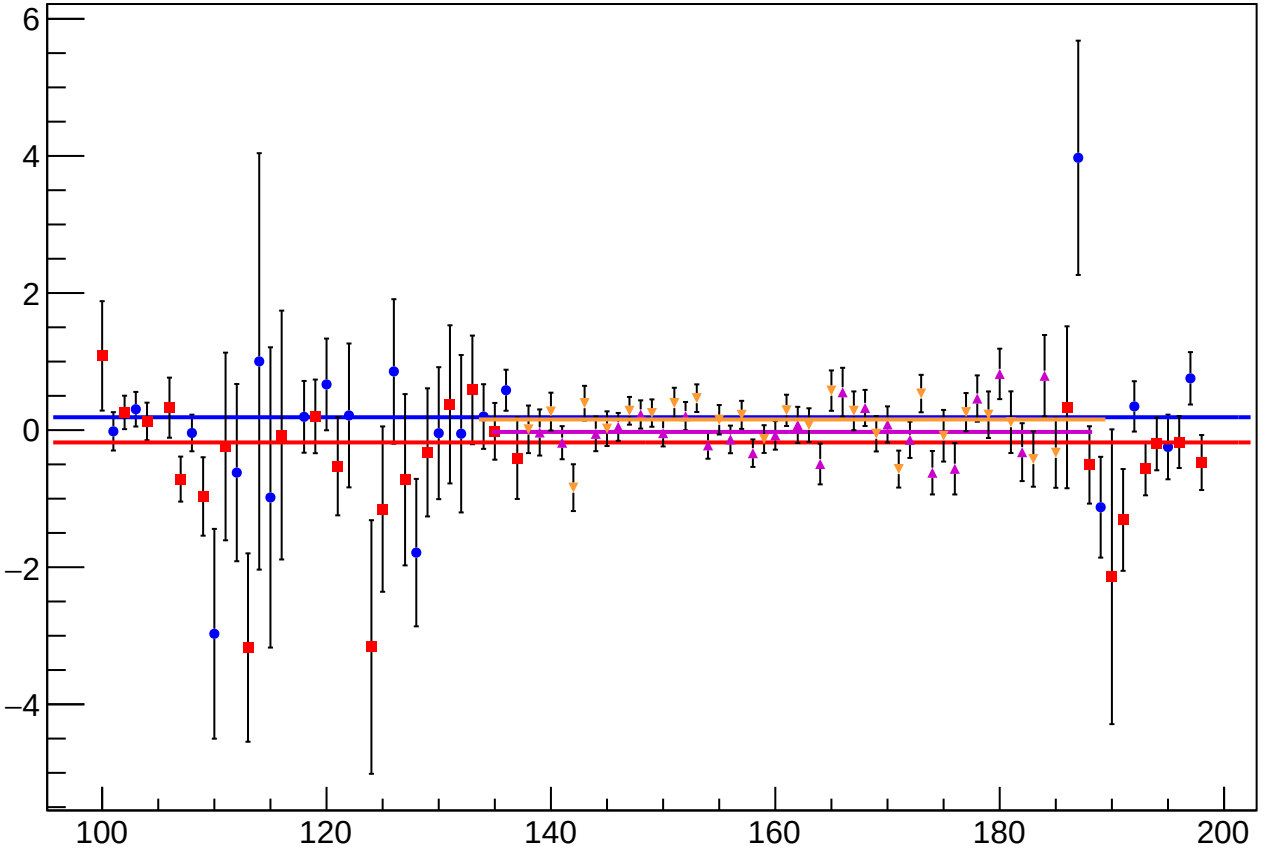
Right: 5518.128+/-0.848 χ^2/NDF: 3985145.2/47

In: 6030.336+/-0.811 χ^2/NDF:2152226.0/43

Out: 5862.013+/-0.754 χ^2/NDF:3277498.8/51

All: 5940.042+/-0.552 χ^2/NDF: 5452855.9/95

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.188+/-0.105 χ^2/NDF: 24.0/20

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: -0.180+/-0.099 χ^2/NDF: 28.5/26

Left In: -0.026+/-0.053 χ^2/NDF:29.8/22

Left: 0.066+/-0.037 χ^2/NDF: 68.1/47

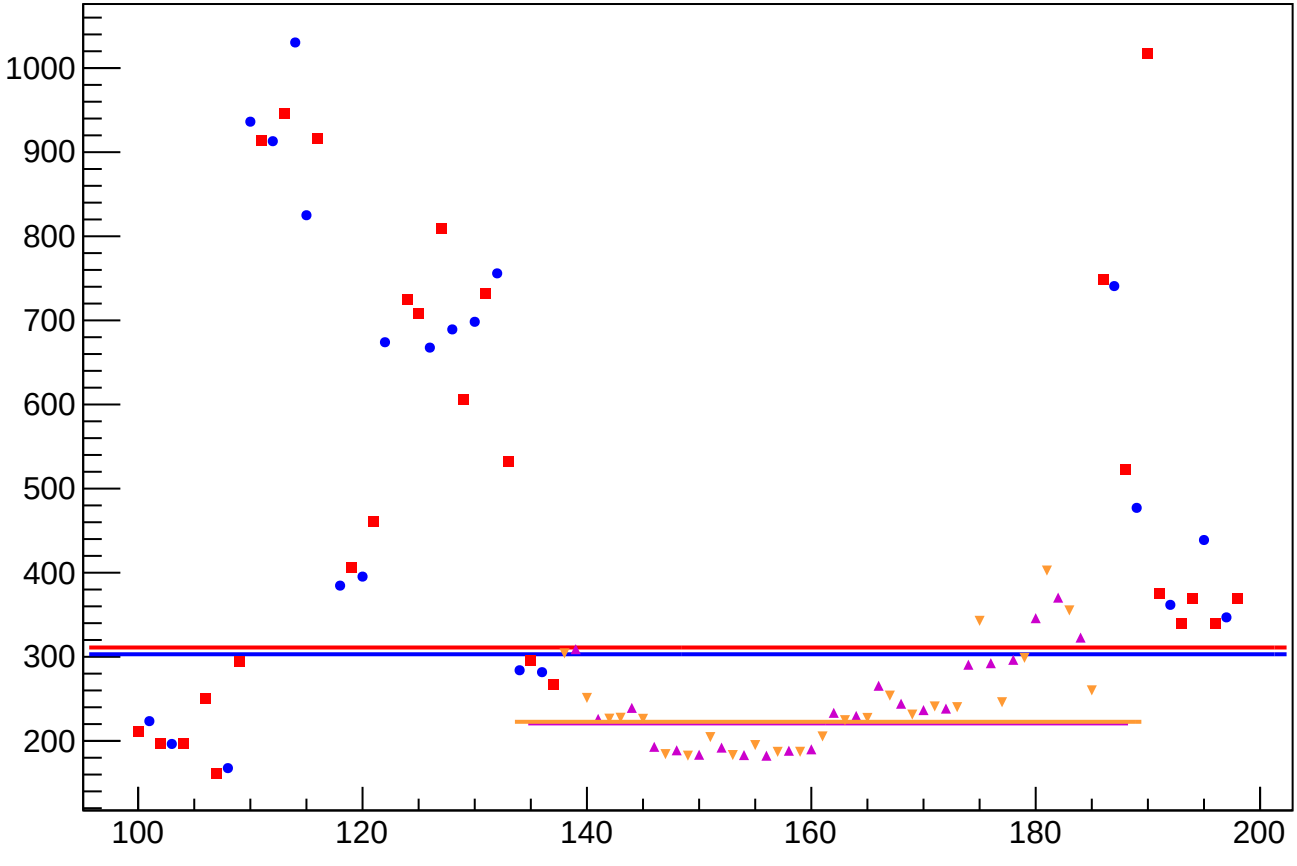
Right: -0.007+/-0.072 χ^2/NDF: 58.9/47

In: 0.017+/-0.047 χ^2/NDF:57.1/43

Out: 0.083+/-0.046 χ^2/NDF:69.8/51

All: 0.051+/-0.033 χ^2/NDF: 127.9/95

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 303.027+/-0.074 χ^2/NDF: 4032100.0/20

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 311.073+/-0.070 χ^2/NDF: 4630101.0/26

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

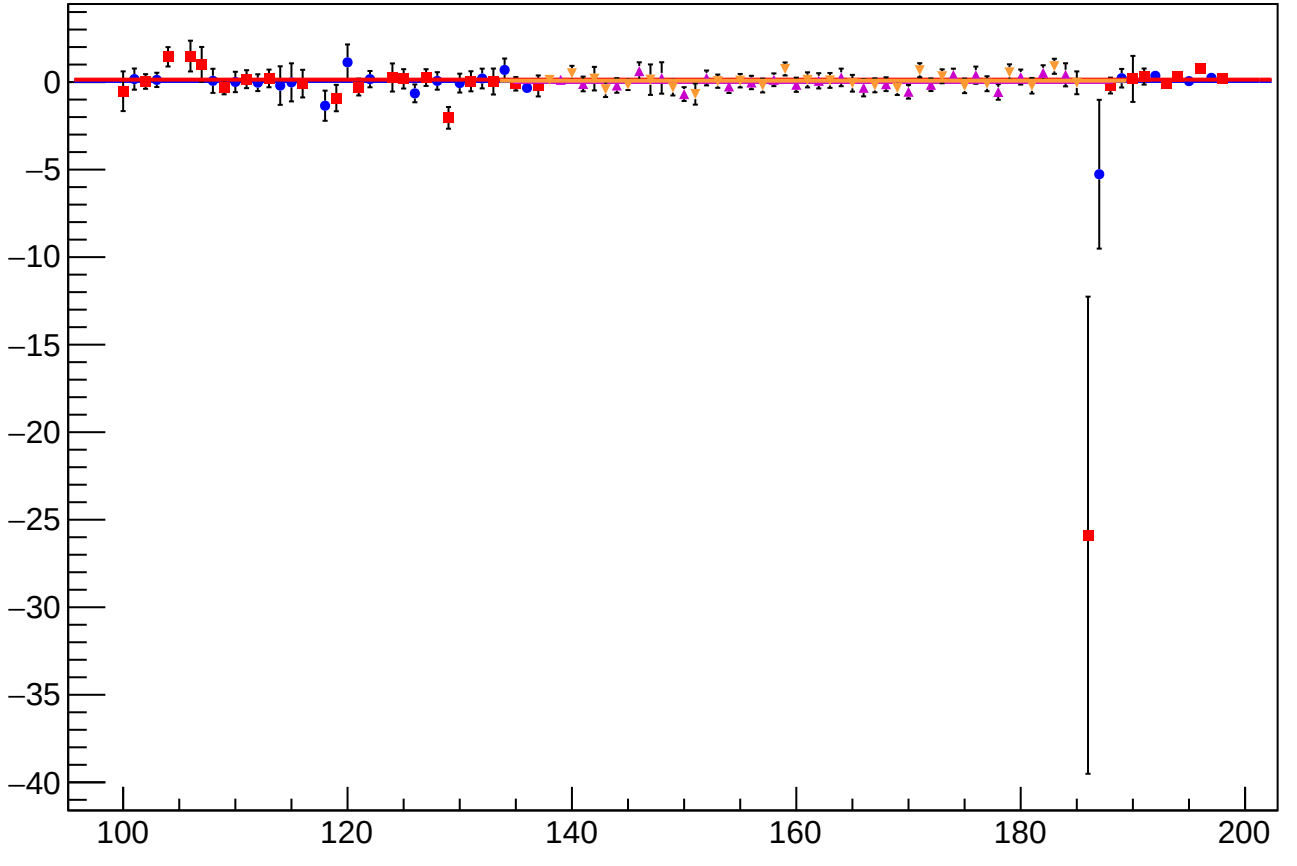
Right: 307.287+/-0.051 χ^2/NDF: 8668432.5/47

In: 237.508+/-0.033 χ^2/NDF:6482778.2/43

Out: 241.817+/-0.032 χ^2/NDF:7333185.1/51

All: 239.724+/-0.023 χ^2/NDF: 13824502.6/95

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.099 χ^2/NDF: 12.3/20

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: 0.139+/-0.090 χ^2/NDF: 37.7/26

Left In: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

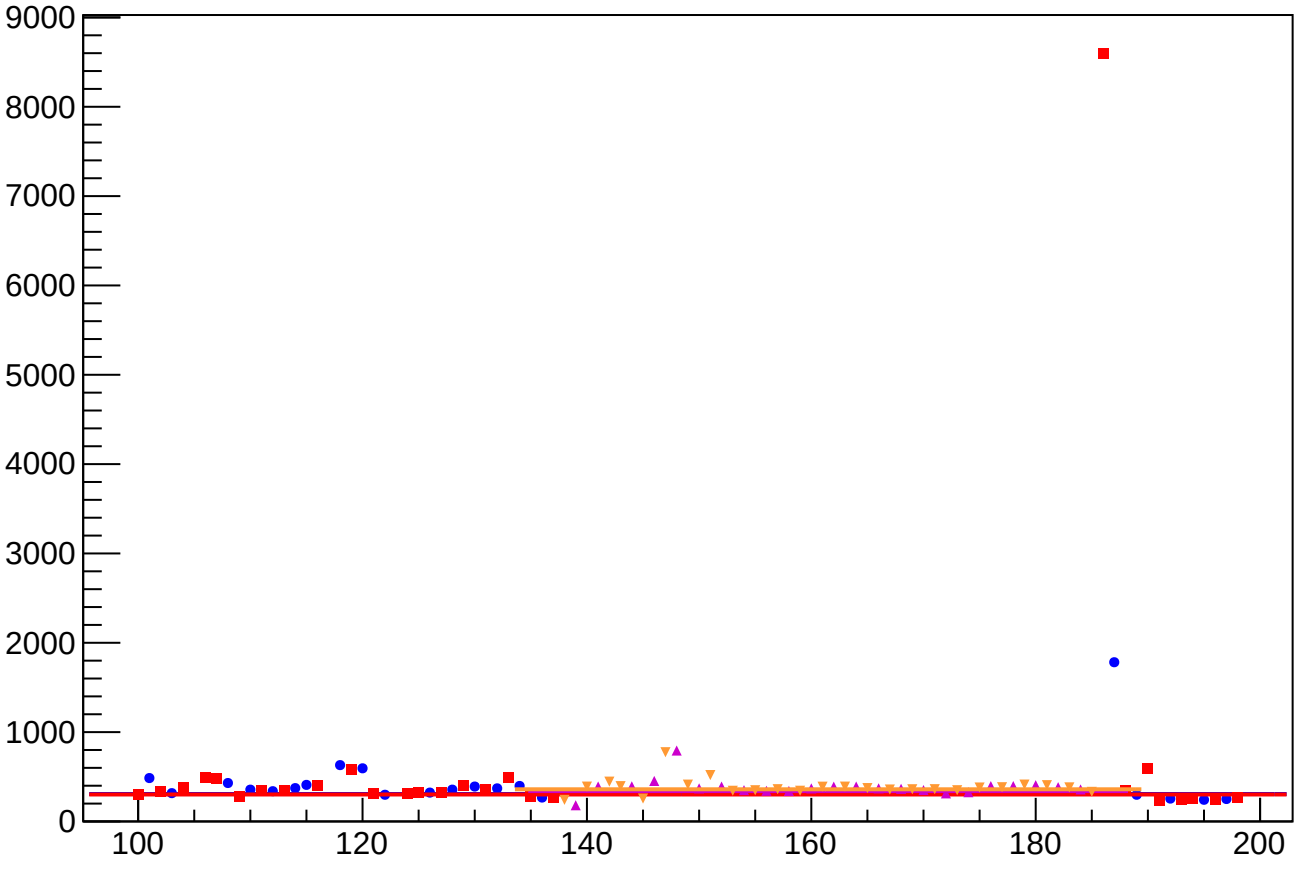
Right: 0.105+/-0.067 χ^2/NDF: 50.3/47

In: 0.031+/-0.064 χ^2/NDF:27.7/43

Out: 0.107+/-0.062 χ^2/NDF:56.9/51

All: 0.070+/-0.044 χ^2/NDF: 85.3/95

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 307.138+/-0.070 χ^2/NDF: 1421632.3/20

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

Right Out: 302.054+/-0.064 χ^2/NDF: 1935812.1/26

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

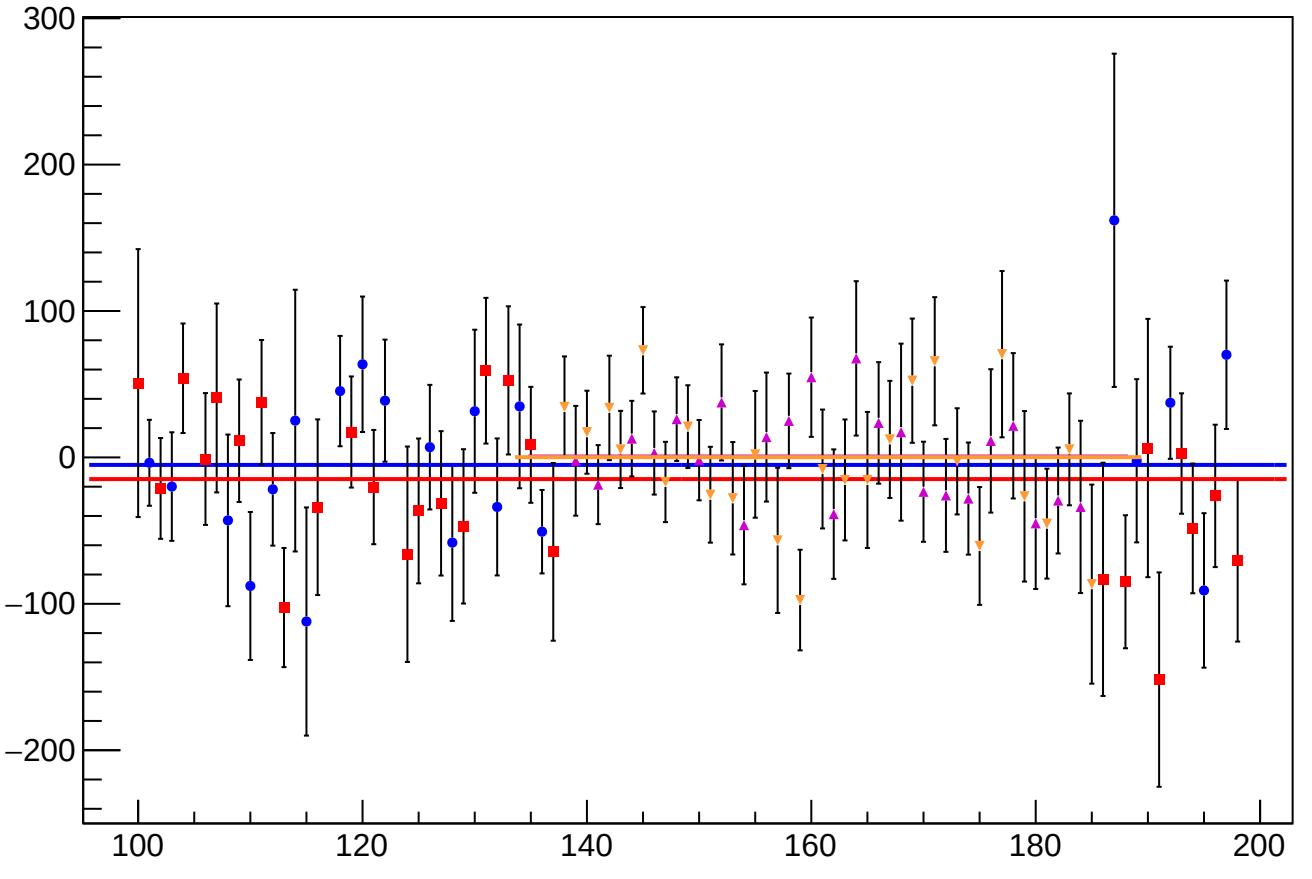
Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

Right: 304.361+/-0.047 χ^2/NDF: 3360318.2/47

In: 326.503+/-0.045 χ^2/NDF:3776335.4/43

Out: 333.035+/-0.044 χ^2/NDF:3715710.8/51

All: 329.869+/-0.031 χ^2/NDF: 7502935.5/95



Right In: -5.125+/-9.831 χ^2/NDF: 23.7/20

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -14.809+/-9.267 χ^2/NDF: 26.8/26

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

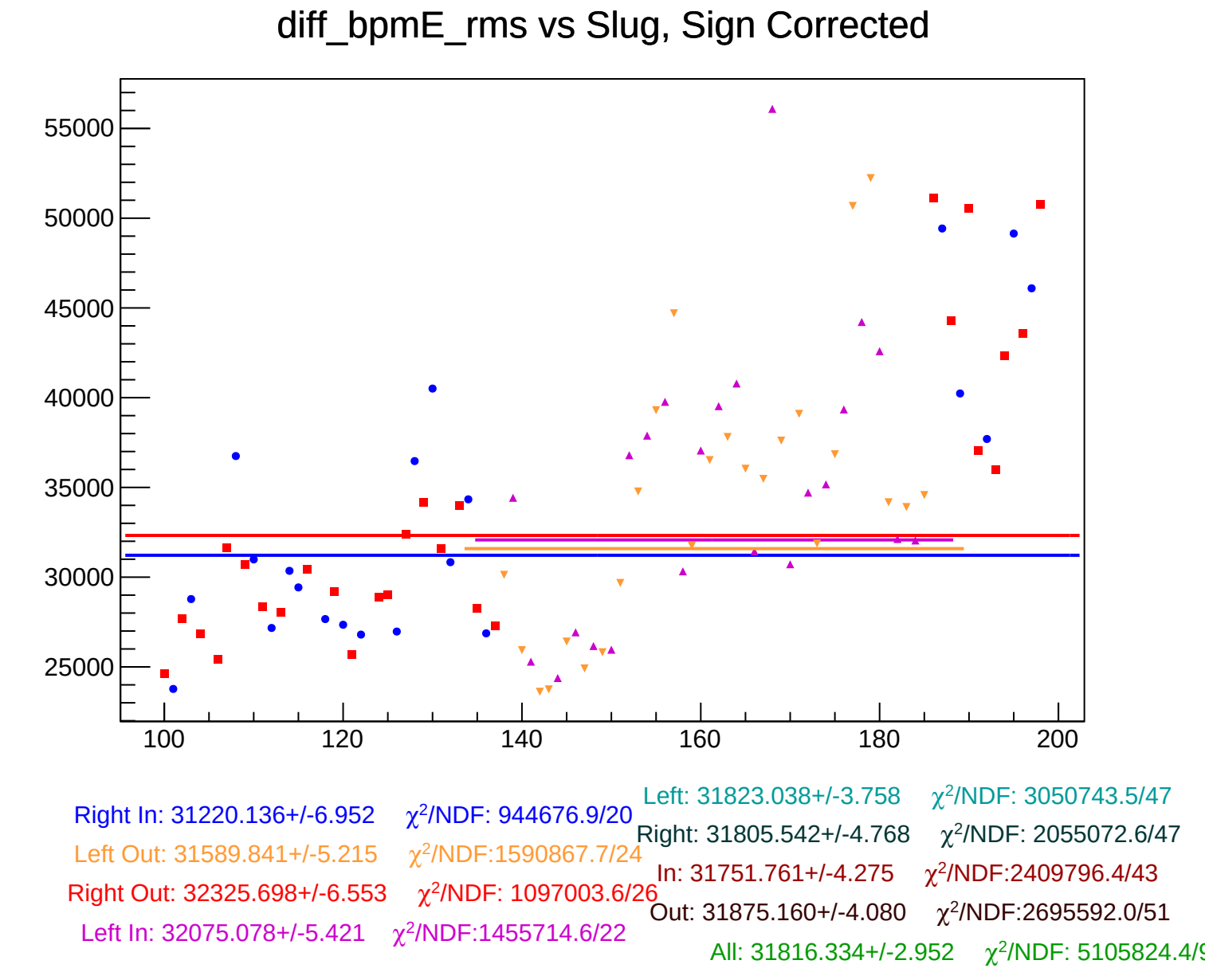
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -10.253+/-6.744 χ^2/NDF: 51.1/47

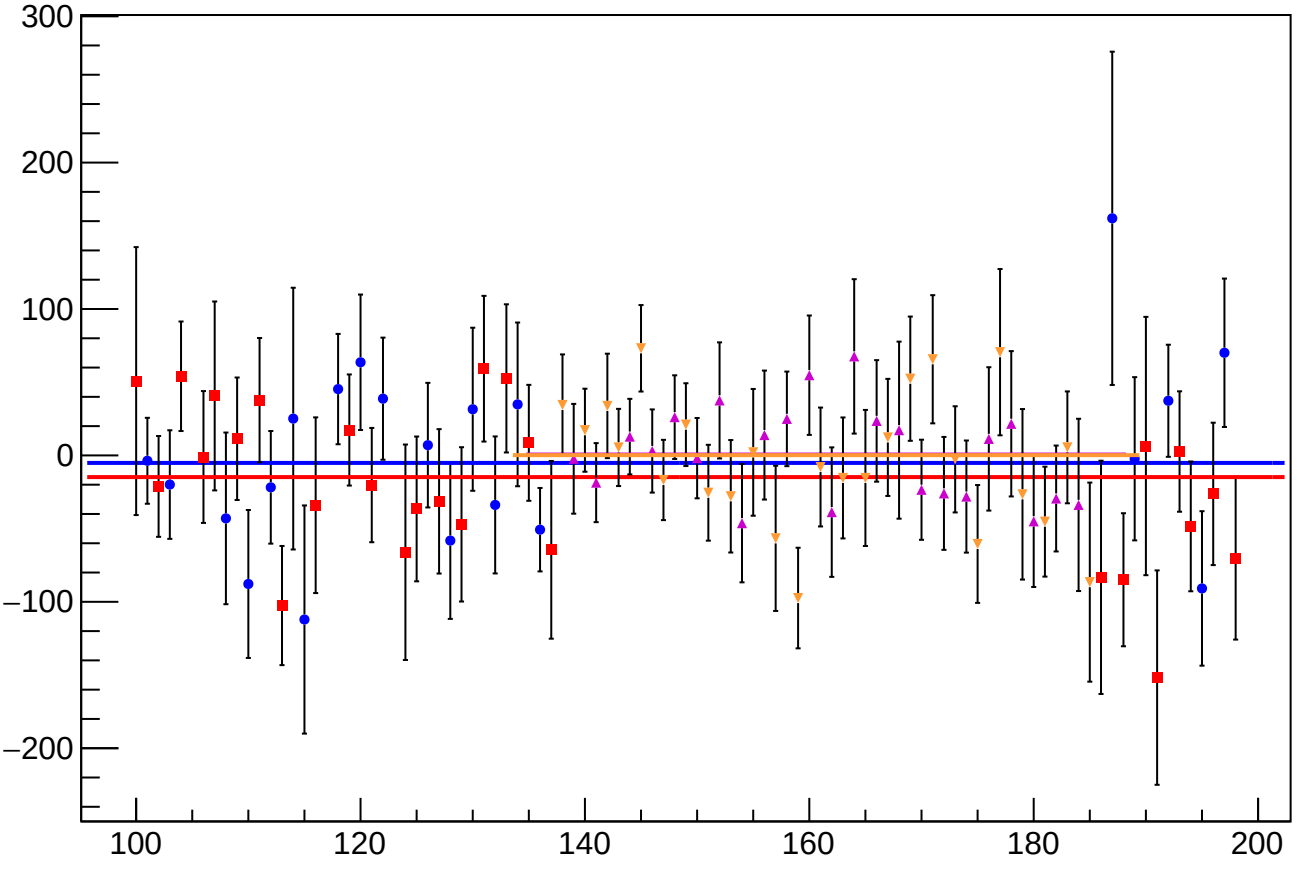
In: -1.574+/-6.046 χ^2/NDF:36.7/43

Out: -5.639+/-5.771 χ^2/NDF:59.6/51

All: -3.701+/-4.174 χ^2/NDF: 96.5/95


diff_bpmE_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 31220.136+/-6.952 χ²/NDF: 944676.9/20
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 32325.698+/-6.553 χ²/NDF: 1097003.6/26
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 31805.542+/-4.768 χ²/NDF: 2055072.6/47
In: 31751.761+/-4.275 χ²/NDF:2409796.4/43
Out: 31875.160+/-4.080 χ²/NDF:2695592.0/51
All: 31816.334+/-2.952 χ²/NDF: 5105824.4/9

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -5.125+/-9.831 χ^2/NDF: 23.7/20

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -14.809+/-9.267 χ^2/NDF: 26.8/26

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

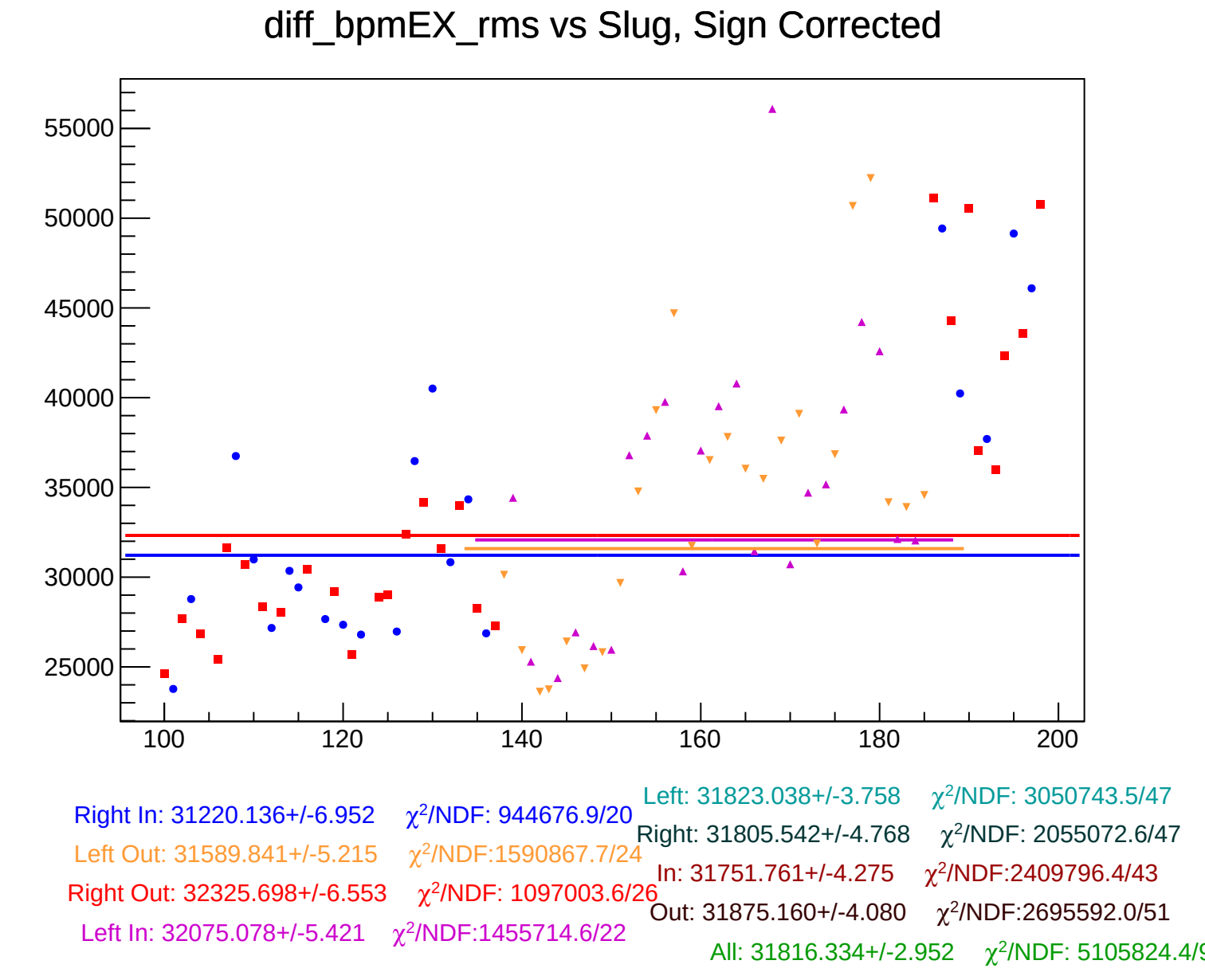
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -10.253+/-6.744 χ^2/NDF: 51.1/47

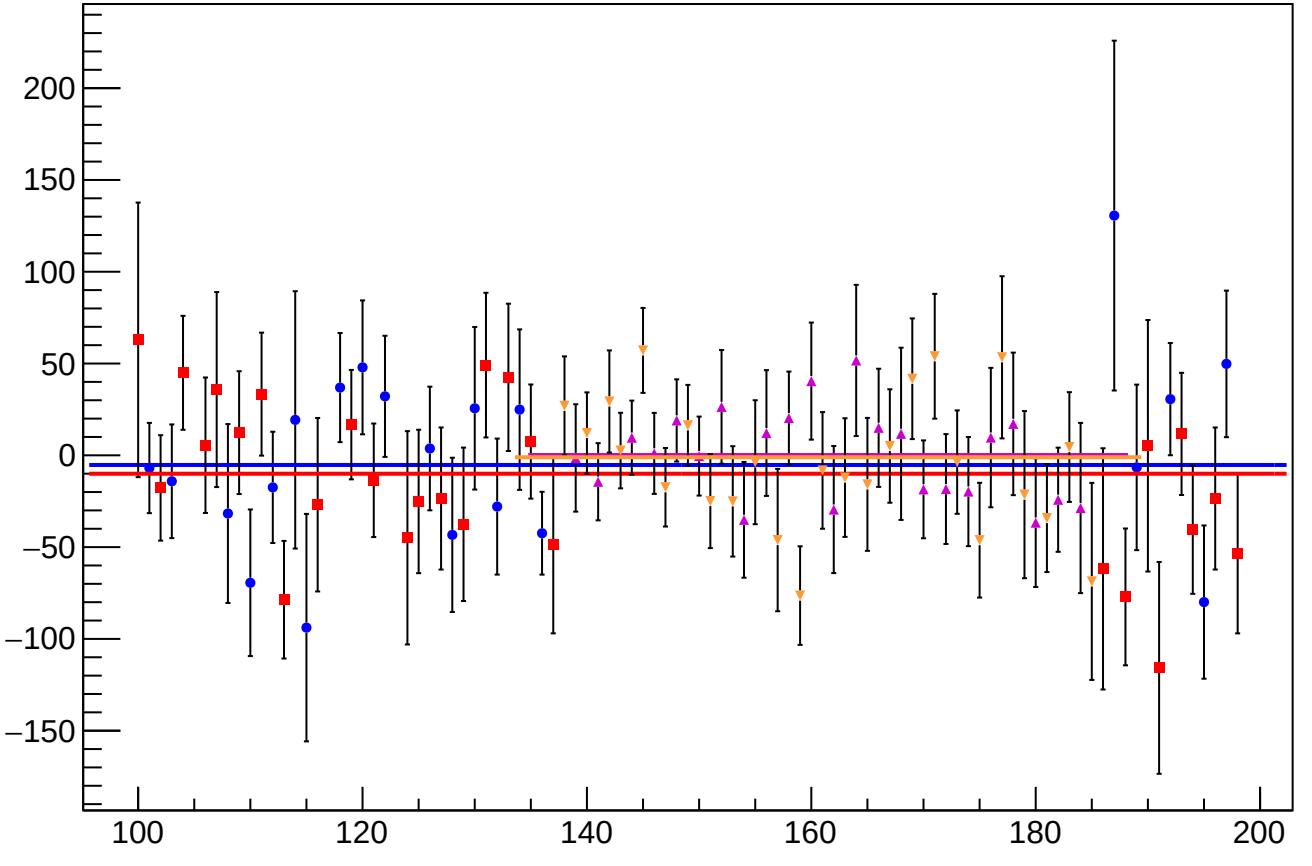
In: -1.574+/-6.046 χ^2/NDF:36.7/43

Out: -5.639+/-5.771 χ^2/NDF:59.6/51

All: -3.701+/-4.174 χ^2/NDF: 96.5/95


diff_bpmEX_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 31220.136+/-6.952 χ²/NDF: 944676.9/20
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 32325.698+/-6.553 χ²/NDF: 1097003.6/26
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 31805.542+/-4.768 χ²/NDF: 2055072.6/47
In: 31751.761+/-4.275 χ²/NDF:2409796.4/43
Out: 31875.160+/-4.080 χ²/NDF:2695592.0/51
All: 31816.334+/-2.952 χ²/NDF: 5105824.4/9

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -5.255+/-7.869 χ^2/NDF: 24.2/20

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: -10.032+/-7.411 χ^2/NDF: 28.3/26

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

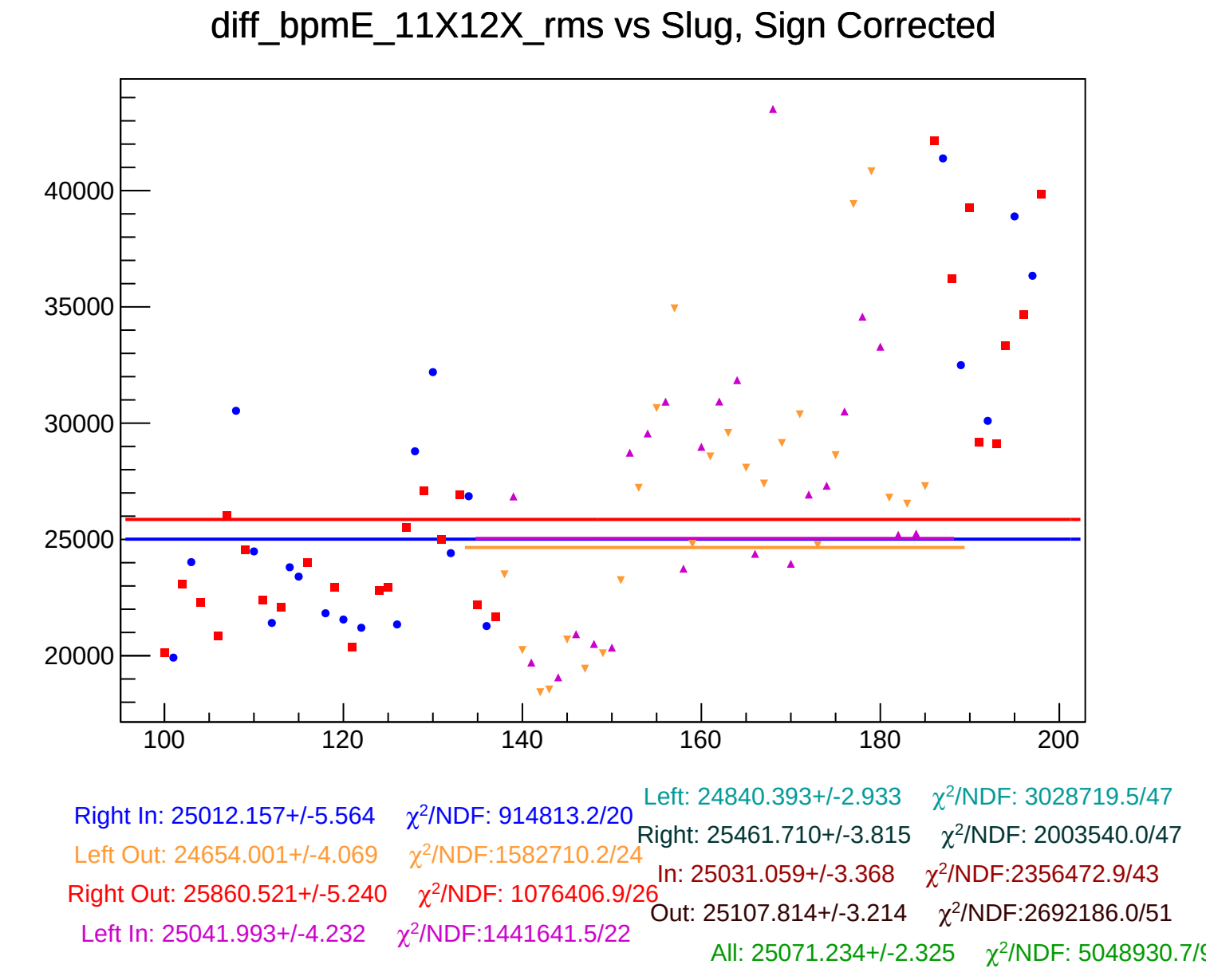
Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

Right: -7.786+/-5.395 χ^2/NDF: 52.7/47

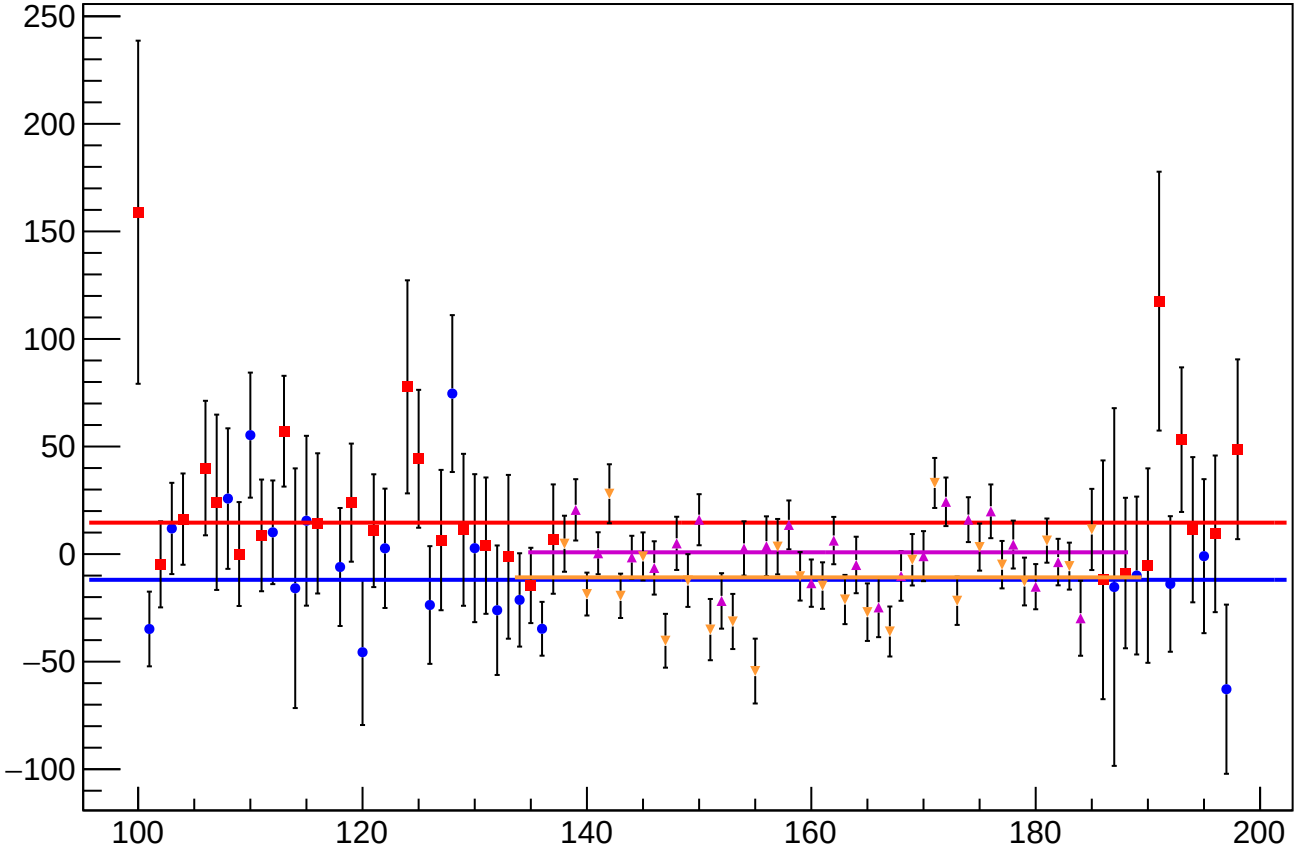
In: -1.833+/-4.763 χ^2/NDF:36.6/43

Out: -4.423+/-4.545 χ^2/NDF:61.6/51

All: -3.189+/-3.288 χ^2/NDF: 98.3/95


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
120
140
160
180
200
Right In: 25012.157+/-5.564 χ²/NDF: 914813.2/20
Left Out: 24654.001+/-4.069 χ²/NDF:1582710.2/24
Right Out: 25860.521+/-5.240 χ²/NDF: 1076406.9/26
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
Left: 24840.393+/-2.933 χ²/NDF: 3028719.5/47
Right: 25461.710+/-3.815 χ²/NDF: 2003540.0/47
In: 25031.059+/-3.368 χ²/NDF:2356472.9/43
Out: 25107.814+/-3.214 χ²/NDF:2692186.0/51
All: 25071.234+/-2.325 χ²/NDF: 5048930.7/9

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.959+/-5.801 χ^2/NDF: 23.8/20

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: 14.610+/-5.817 χ^2/NDF: 19.7/26

Left In: 0.826+/-2.457 χ^2/NDF:29.4/22

Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

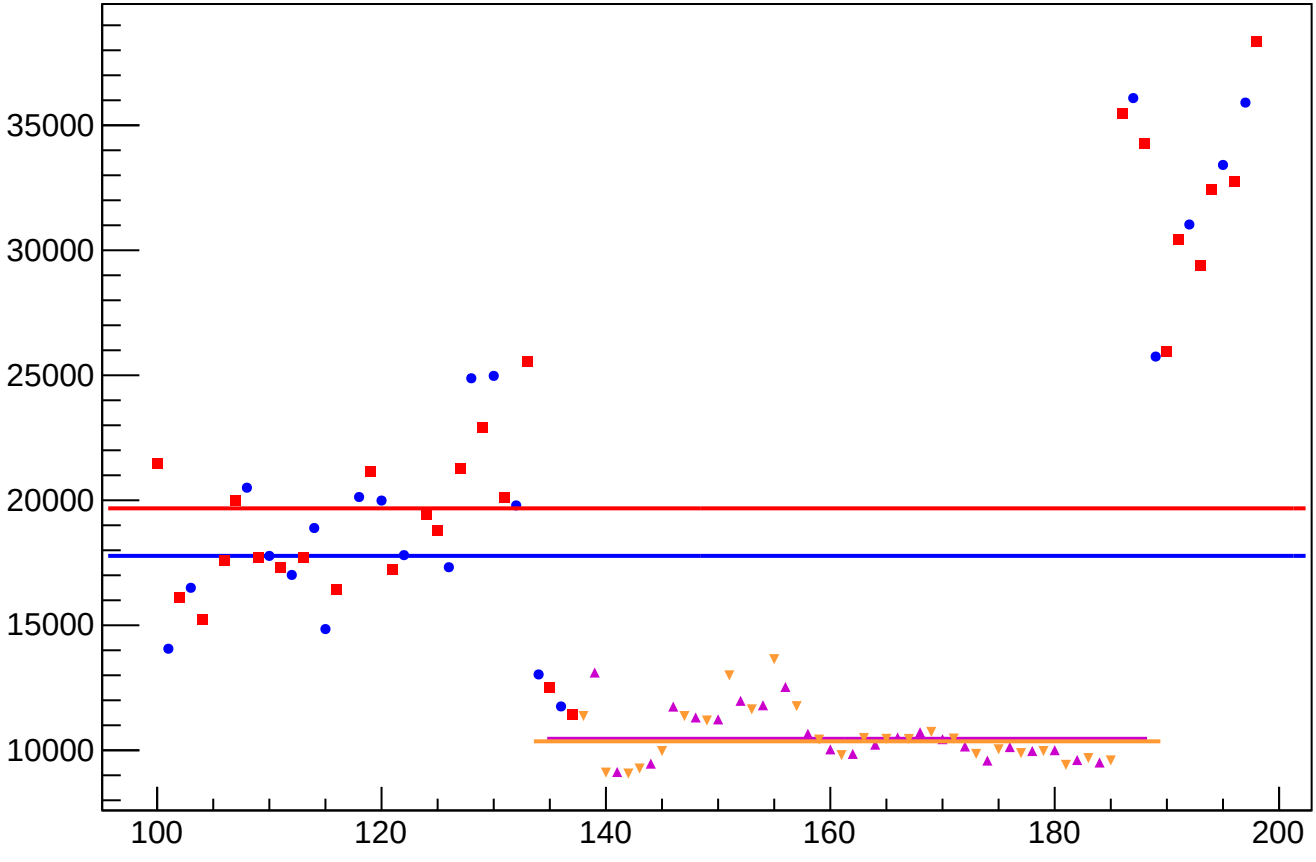
Right: 1.288+/-4.108 χ^2/NDF: 54.0/47

In: -1.119+/-2.262 χ^2/NDF:57.3/43

Out: -7.201+/-2.195 χ^2/NDF:97.4/51

All: -4.252+/-1.575 χ^2/NDF: 158.5/95

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 17776.673+/-4.102 χ^2/NDF: 2233849.5/20

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 19677.035+/-4.113 χ^2/NDF: 2585959.6/26

Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

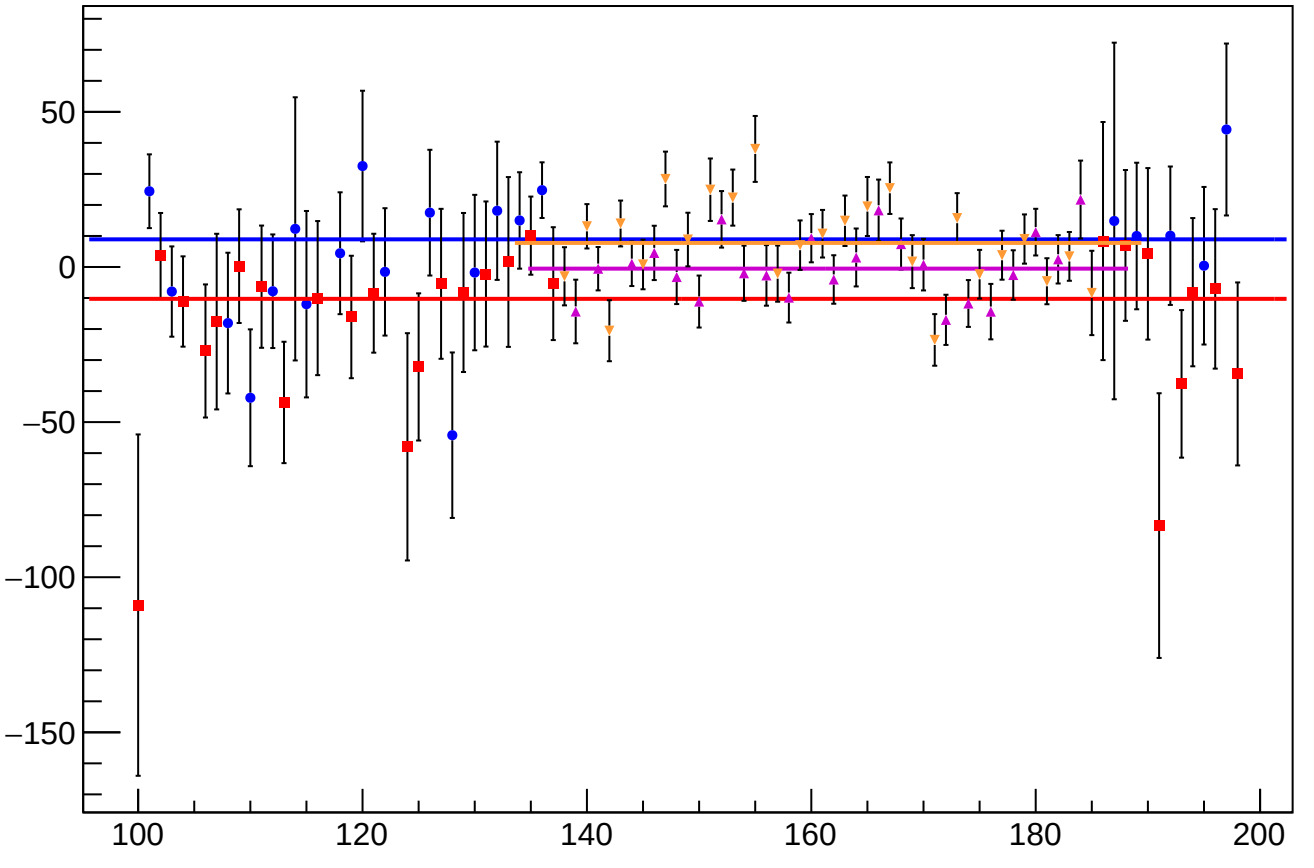
Left: 10406.904+/-1.206 χ^2/NDF: 679454.0/47

Right: 18724.162+/-2.905 χ^2/NDF: 4926829.0/47

In: 11572.201+/-1.600 χ^2/NDF:5247021.4/43

Out: 11685.242+/-1.552 χ^2/NDF:7350442.9/51

All: 11630.429+/-1.114 χ^2/NDF: 12600036.1



Right In: 8.913+/-4.150 χ^2/NDF: 23.6/20

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: -10.268+/-4.169 χ^2/NDF: 19.9/26

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

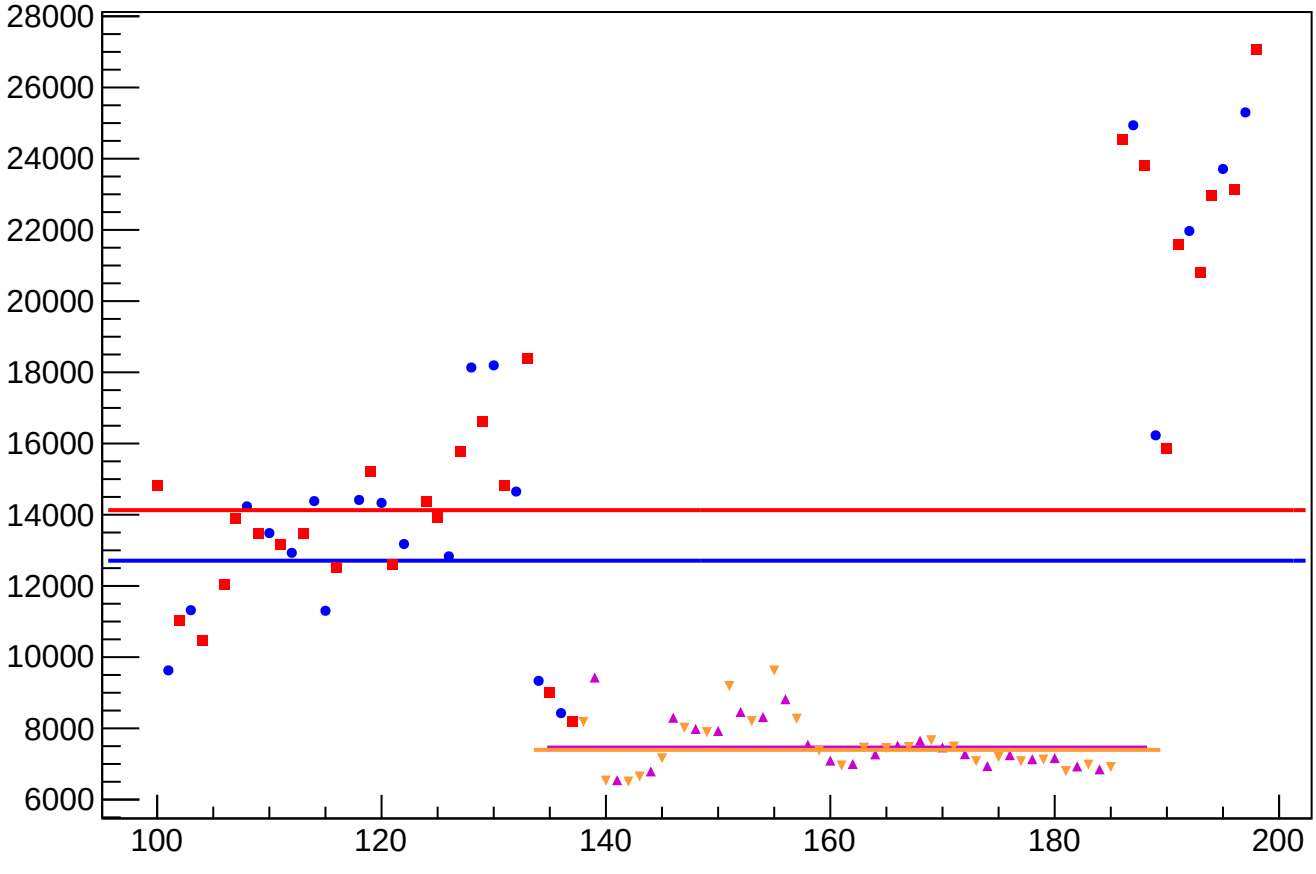
Right: -0.632+/-2.941 χ^2/NDF: 54.1/47

In: 0.897+/-1.614 χ^2/NDF:57.4/43

Out: 5.215+/-1.567 χ^2/NDF:96.9/51

All: 3.119+/-1.124 χ^2/NDF: 158.0/95

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 12709.084+/-2.934 χ^2/NDF: 2208405.5/20

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 14128.913+/-2.948 χ^2/NDF: 2503713.4/26

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

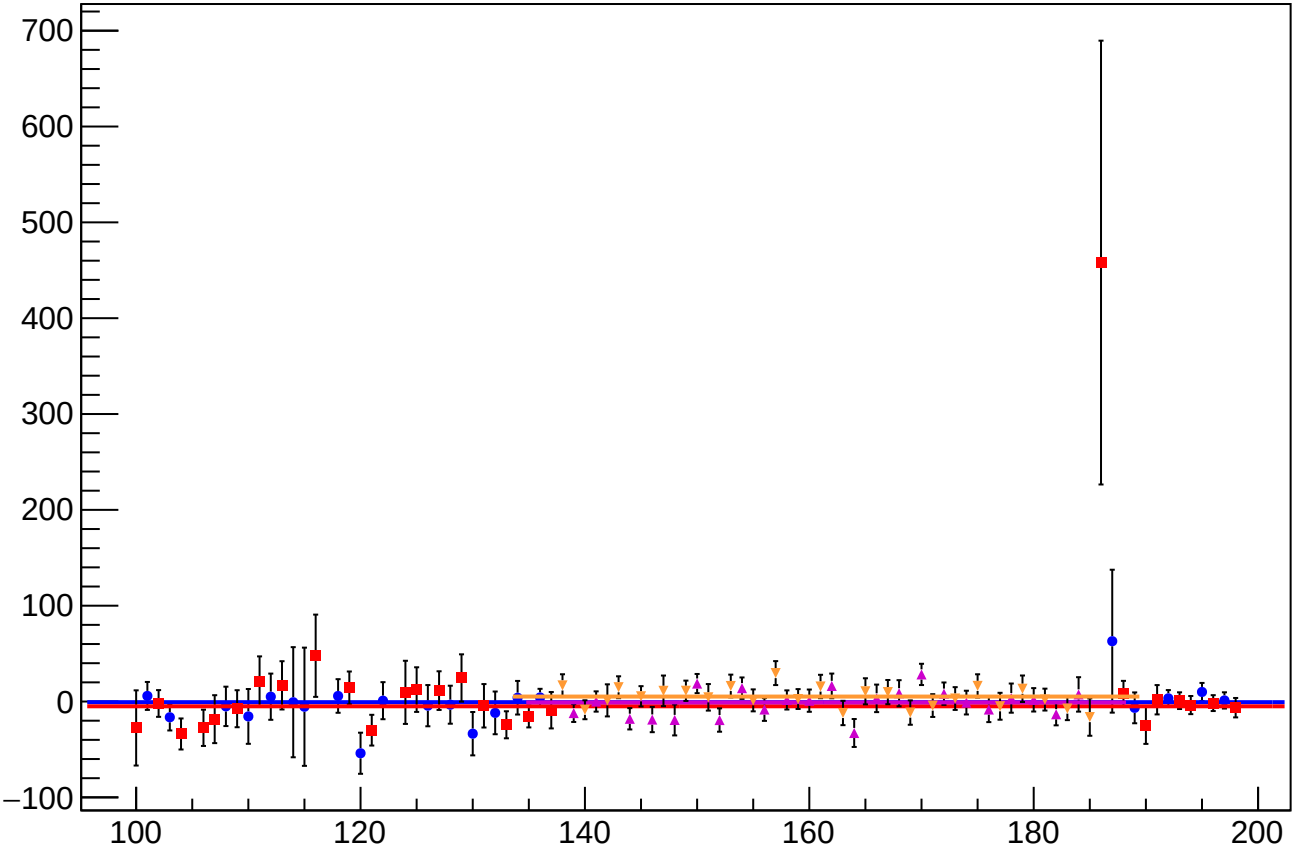
Right: 13415.602+/-2.080 χ^2/NDF: 4828637.7/47

In: 8254.838+/-1.141 χ^2/NDF:5207790.1/43

Out: 8347.219+/-1.108 χ^2/NDF:7306959.0/51

All: 8302.382+/-0.795 χ^2/NDF: 12518121.2/9

diff_bpm4aesumY_mean vs Slug, Sign Corrected



Right In: -0.672+/-3.315 χ^2/NDF: 13.4/20

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: -4.984+/-2.977 χ^2/NDF: 24.6/26

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

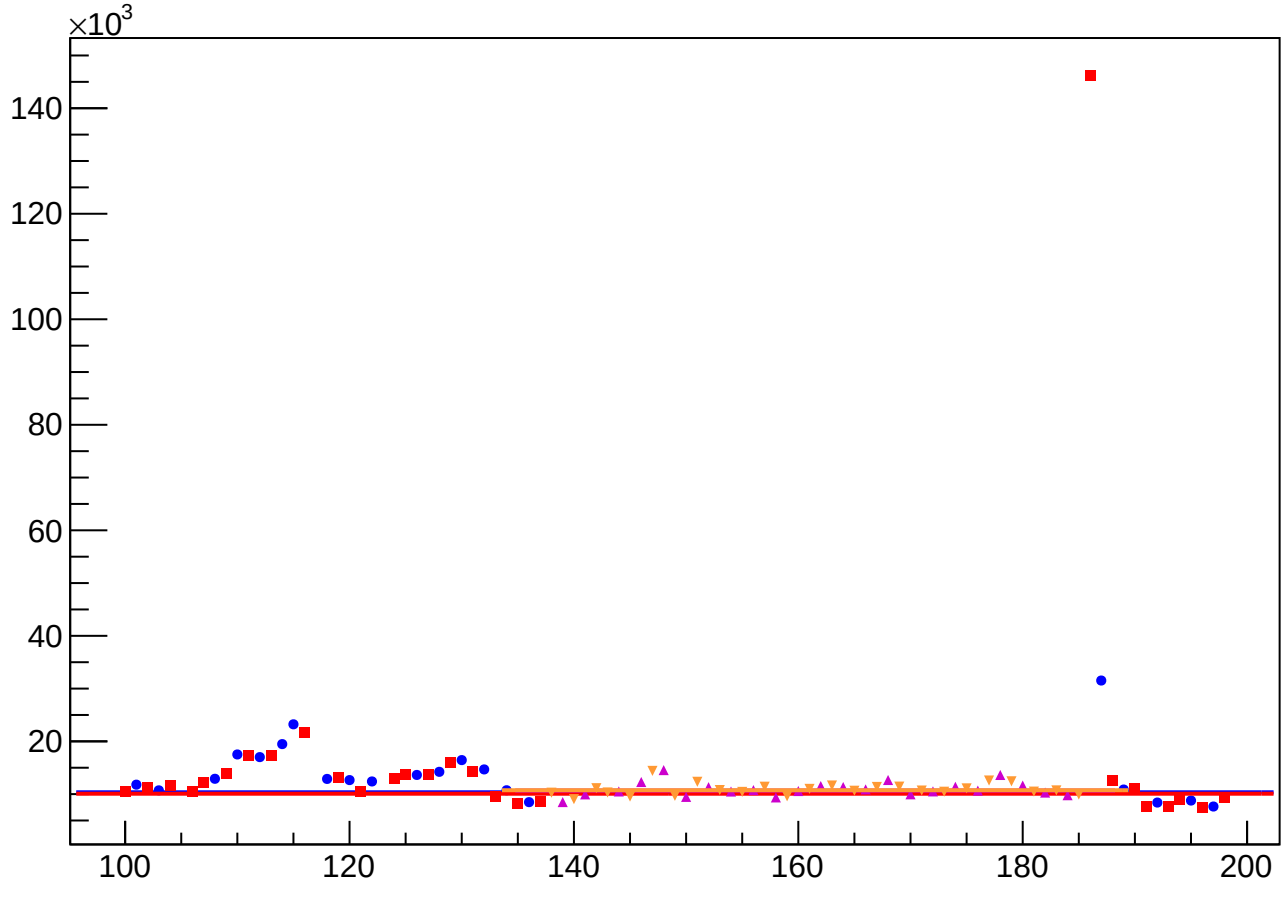
Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

Right: -3.060+/-2.215 χ^2/NDF: 38.9/47

In: -0.811+/-2.005 χ^2/NDF:45.2/43

Out: 1.056+/-1.896 χ^2/NDF:49.9/51

All: 0.175+/-1.378 χ^2/NDF: 95.6/95



Right In: 10345.461+/-2.344 χ^2/NDF: 1511969.1/20

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10076.040+/-2.105 χ^2/NDF: 2254096.8/26

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

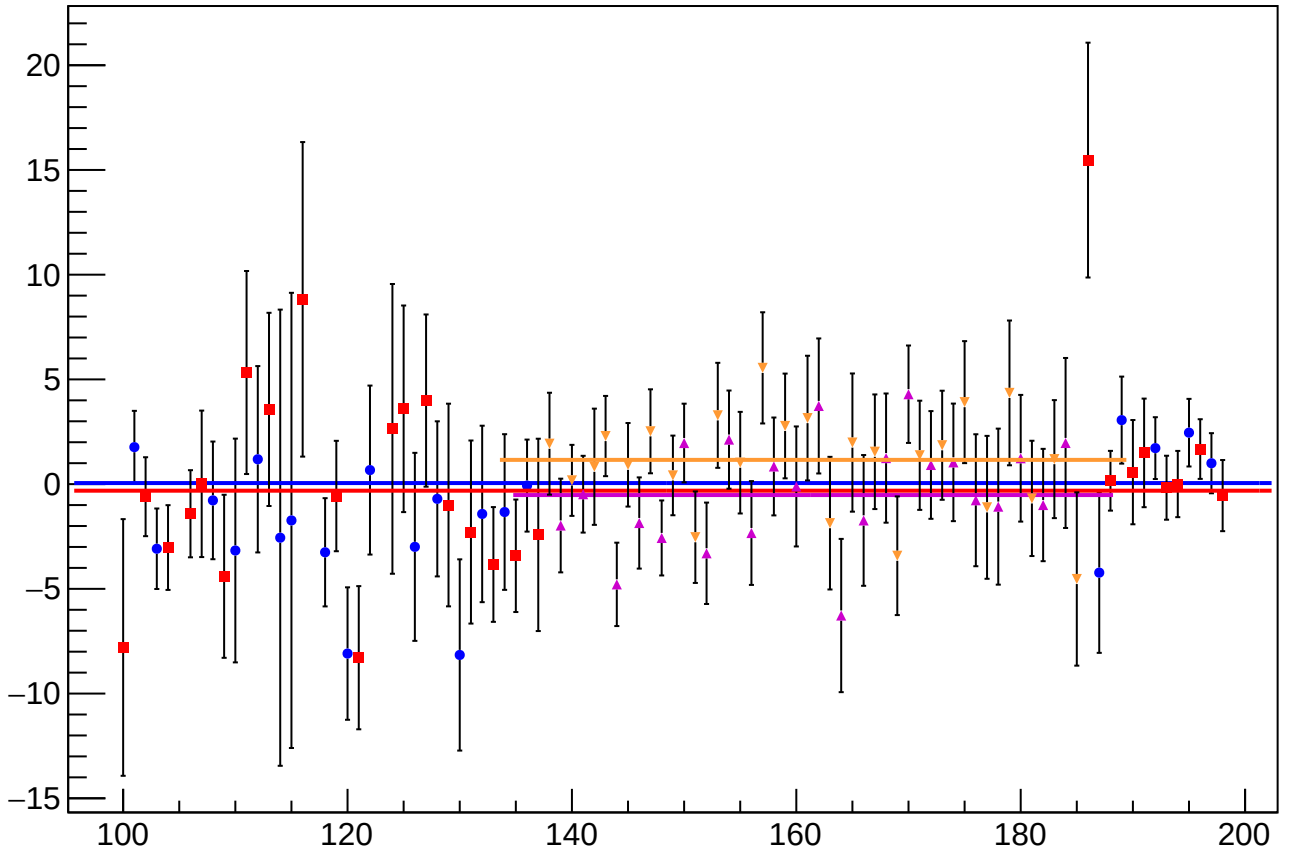
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 10196.290+/-1.566 χ^2/NDF: 3773378.8/47

In: 10555.783+/-1.418 χ^2/NDF:2025237.3/43

Out: 10466.978+/-1.340 χ^2/NDF:2680413.6/51

All: 10508.884+/-0.974 χ^2/NDF: 4707721.9/9



Right In: 0.051+/-0.552 χ^2/NDF: 23.8/20

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: -0.313+/-0.482 χ^2/NDF: 29.7/26

Left In: -0.522+/-0.520 χ^2/NDF:22.3/22

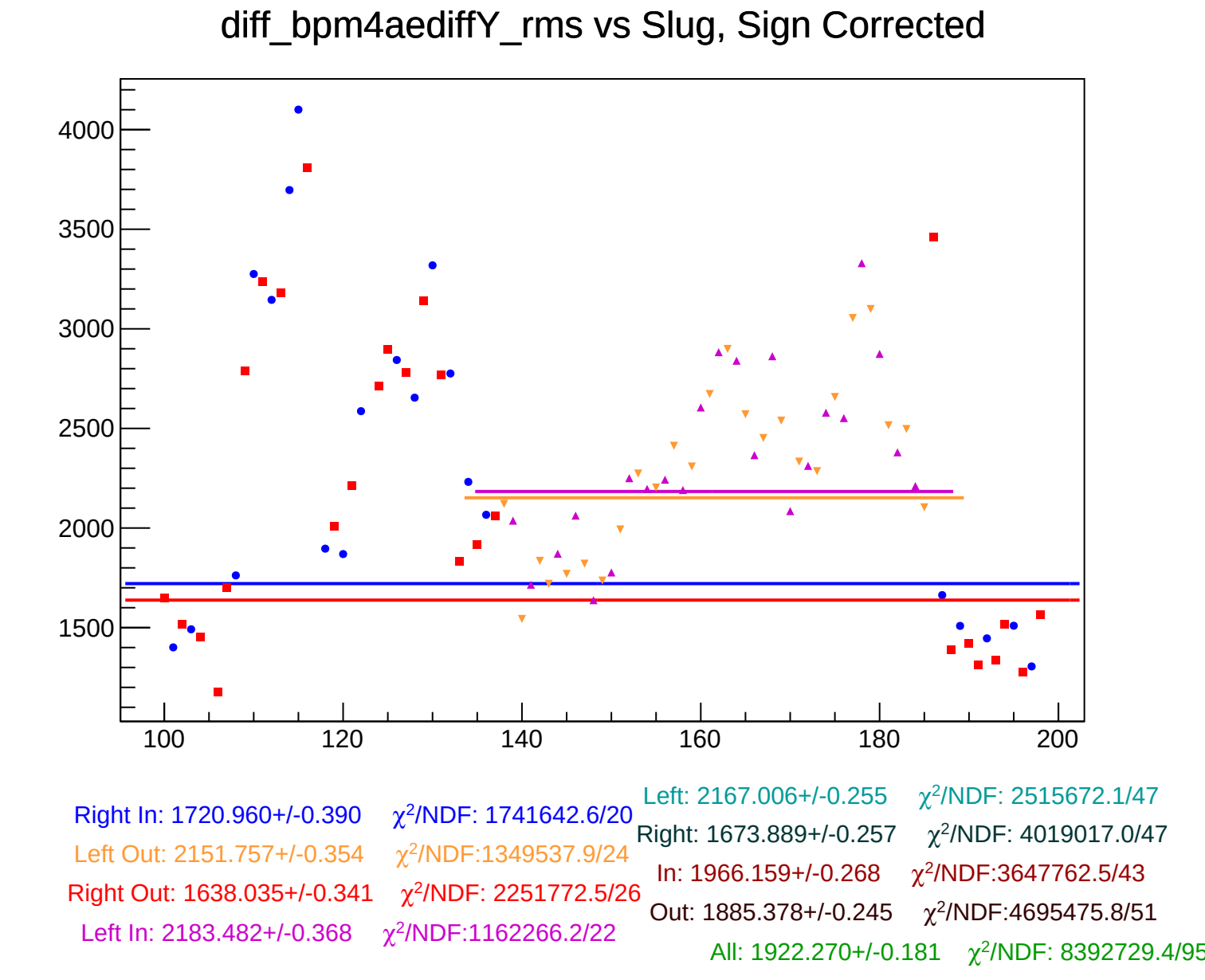
Left: 0.350+/-0.360 χ^2/NDF: 44.6/47

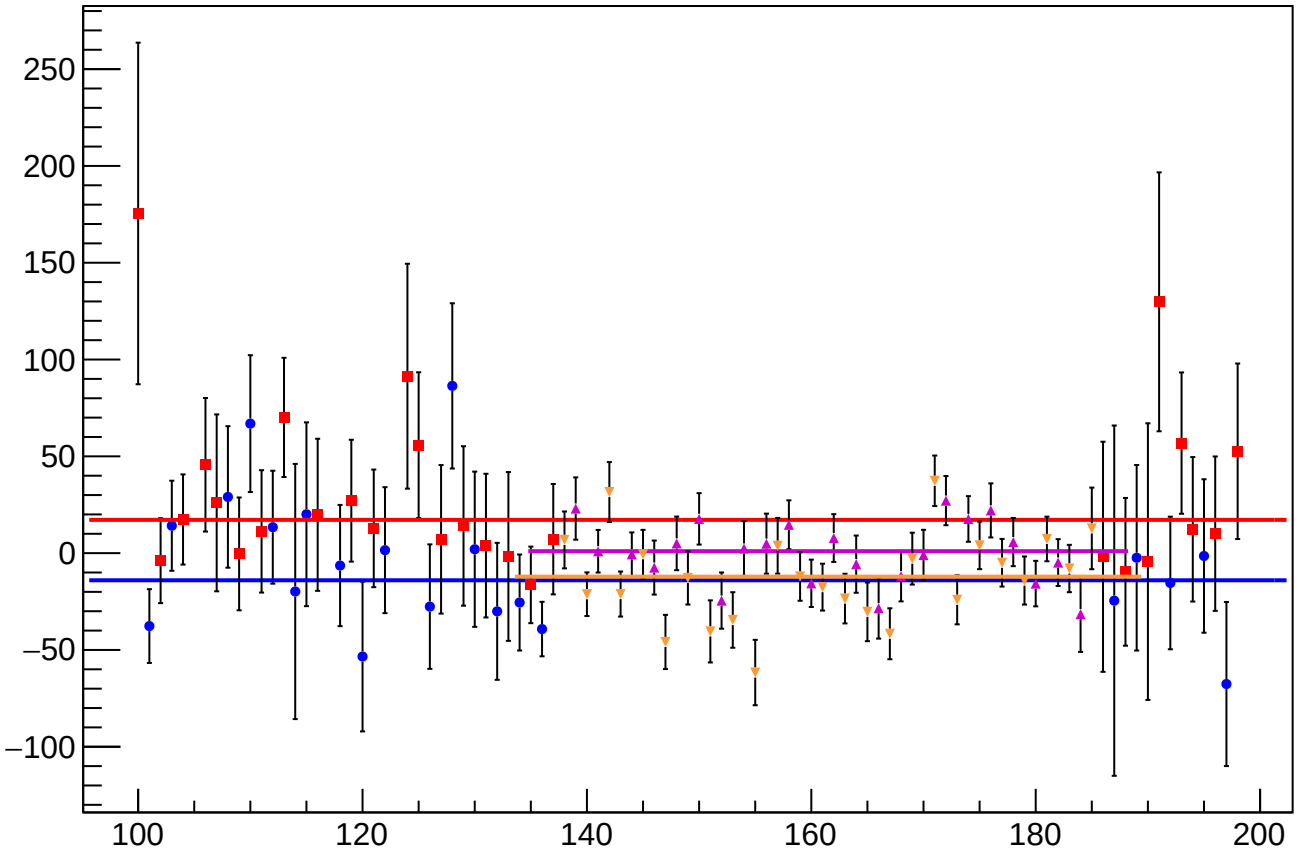
Right: -0.156+/-0.363 χ^2/NDF: 53.8/47

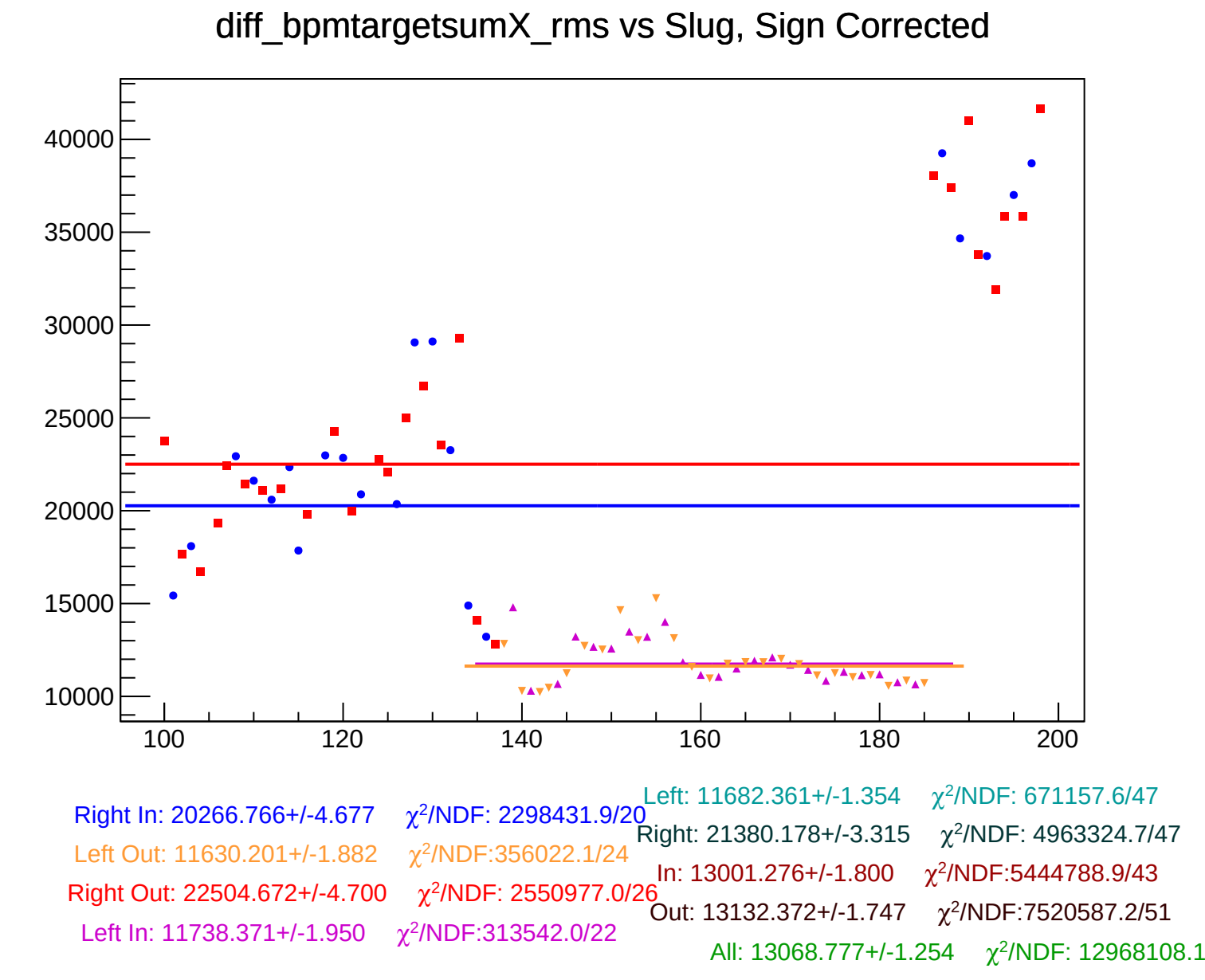
In: -0.253+/-0.379 χ^2/NDF:46.7/43

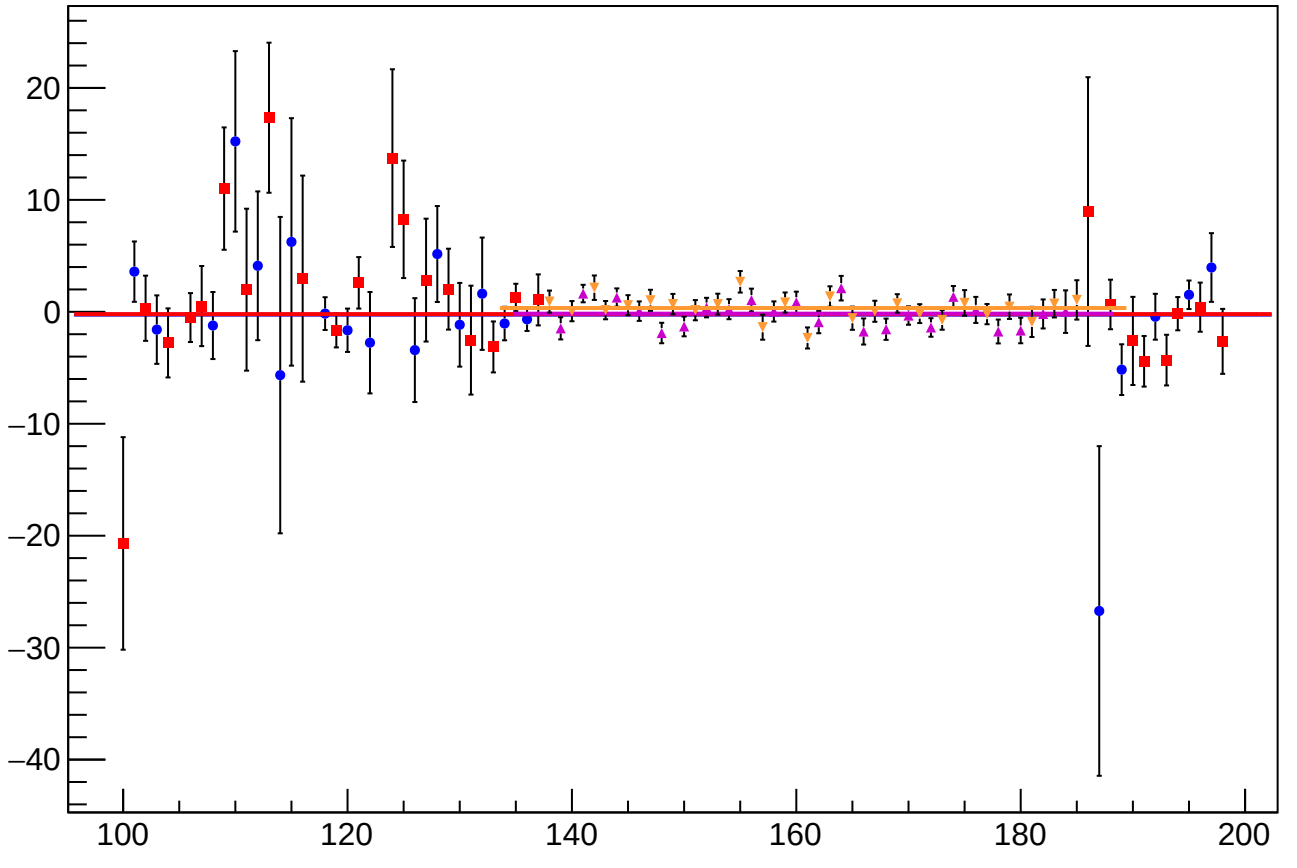
Out: 0.395+/-0.347 χ^2/NDF:51.0/51

All: 0.099+/-0.256 χ^2/NDF: 99.3/95


diff_bpm4aediffY_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
100
120
140
160
180
200
Right In: 1720.960+/-0.390 χ²/NDF: 1741642.6/20
Left Out: 2151.757+/-0.354 χ²/NDF:1349537.9/24
Right Out: 1638.035+/-0.341 χ²/NDF: 2251772.5/26
Left In: 2183.482+/-0.368 χ²/NDF:1162266.2/22
Left: 2167.006+/-0.255 χ²/NDF: 2515672.1/47
Right: 1673.889+/-0.257 χ²/NDF: 4019017.0/47
In: 1966.159+/-0.268 χ²/NDF:3647762.5/43
Out: 1885.378+/-0.245 χ²/NDF:4695475.8/51
All: 1922.270+/-0.181 χ²/NDF: 8392729.4/95


diff_bpmtargetsumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -14.016+/-6.614 χ²/NDF: 23.6/20
Left Out: -12.135+/-2.661 χ²/NDF:62.6/24
Right Out: 17.191+/-6.647 χ²/NDF: 19.8/26
Left In: 1.024+/-2.758 χ²/NDF:28.8/22
Left: -5.790+/-1.915 χ²/NDF: 103.2/47
Right: 1.510+/-4.688 χ²/NDF: 54.5/47
In: -1.203+/-2.545 χ²/NDF:56.8/43
Out: -8.084+/-2.470 χ²/NDF:99.2/51
All: -4.746+/-1.773 χ²/NDF: 159.8/95


diff_bpmtargetsumX_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 20266.766+/-4.677 χ²/NDF: 2298431.9/20
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 22504.672+/-4.700 χ²/NDF: 2550977.0/26
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
Left: 11682.361+/-1.354 χ²/NDF: 671157.6/47
Right: 21380.178+/-3.315 χ²/NDF: 4963324.7/47
In: 13001.276+/-1.800 χ²/NDF:5444788.9/43
Out: 13132.372+/-1.747 χ²/NDF:7520587.2/51
All: 13068.777+/-1.254 χ²/NDF: 12968108.1



Right In: -0.247+/-0.504 χ^2/NDF: 22.2/20

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: -0.210+/-0.504 χ^2/NDF: 37.8/26

Left In: -0.165+/-0.201 χ^2/NDF:36.3/22

Left: 0.098+/-0.139 χ^2/NDF: 66.4/47

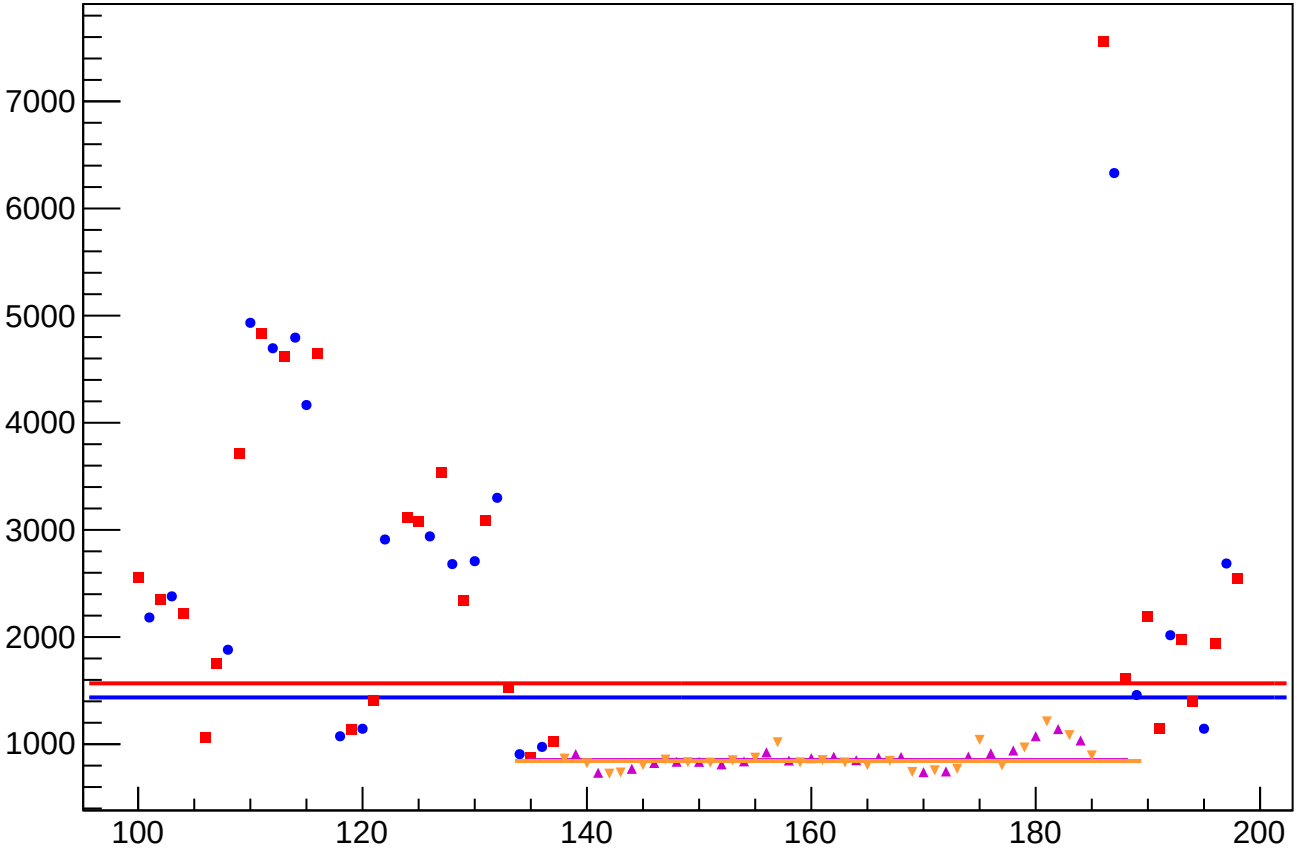
Right: -0.228+/-0.356 χ^2/NDF: 60.1/47

In: -0.176+/-0.187 χ^2/NDF:58.6/43

Out: 0.272+/-0.181 χ^2/NDF:65.6/51

All: 0.055+/-0.130 χ^2/NDF: 127.2/95

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1436.426+/-0.356 χ^2/NDF: 4209805.8/20

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1567.840+/-0.356 χ^2/NDF: 4430763.1/26

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

Left: 847.291+/-0.099 χ^2/NDF: 889453.1/47

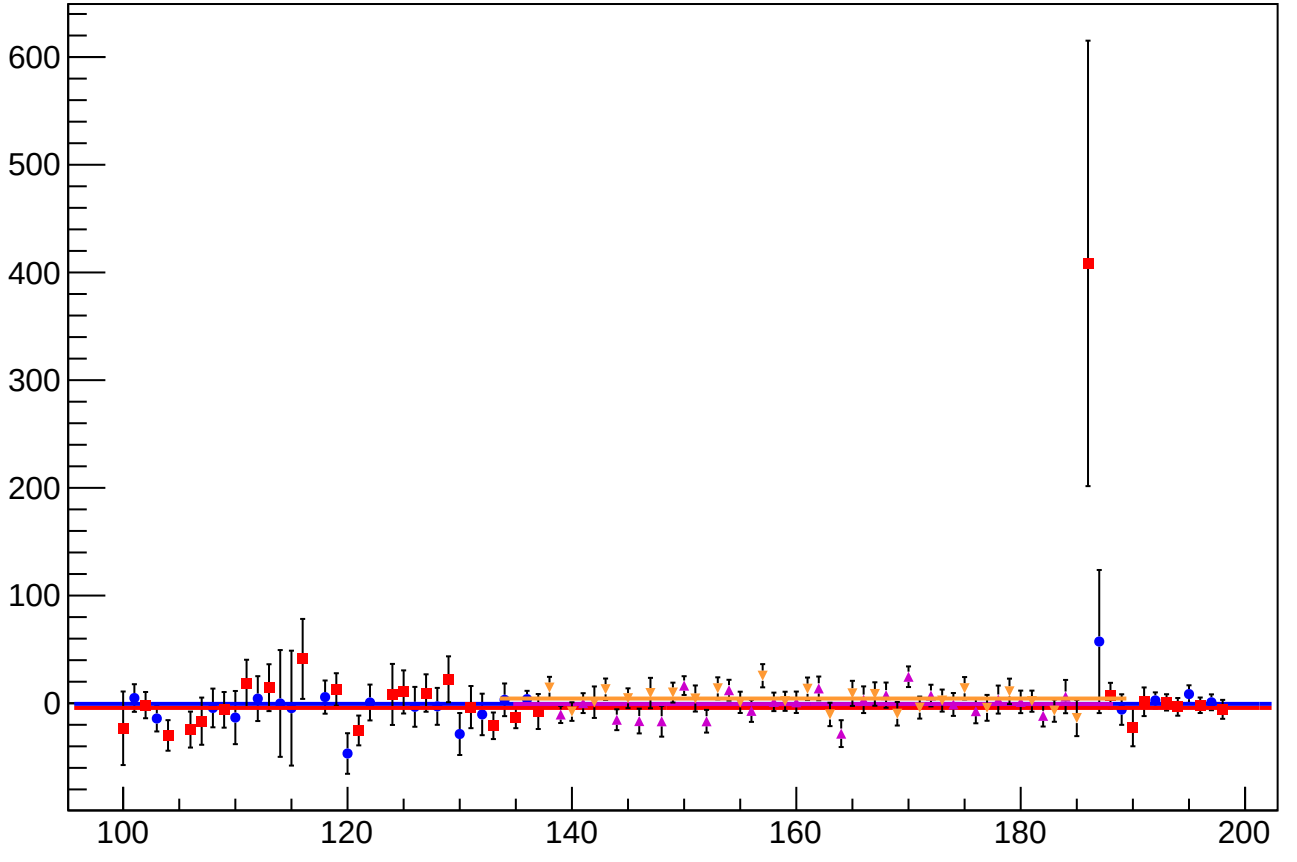
Right: 1502.128+/-0.252 χ^2/NDF: 8708535.3/47

In: 931.762+/-0.132 χ^2/NDF:6915584.3/43

Out: 936.535+/-0.128 χ^2/NDF:8536086.9/51

All: 934.223+/-0.092 χ^2/NDF: 15452345.8/95

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -0.573+/-2.877 χ^2/NDF: 13.1/20

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: -4.337+/-2.587 χ^2/NDF: 24.5/26

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

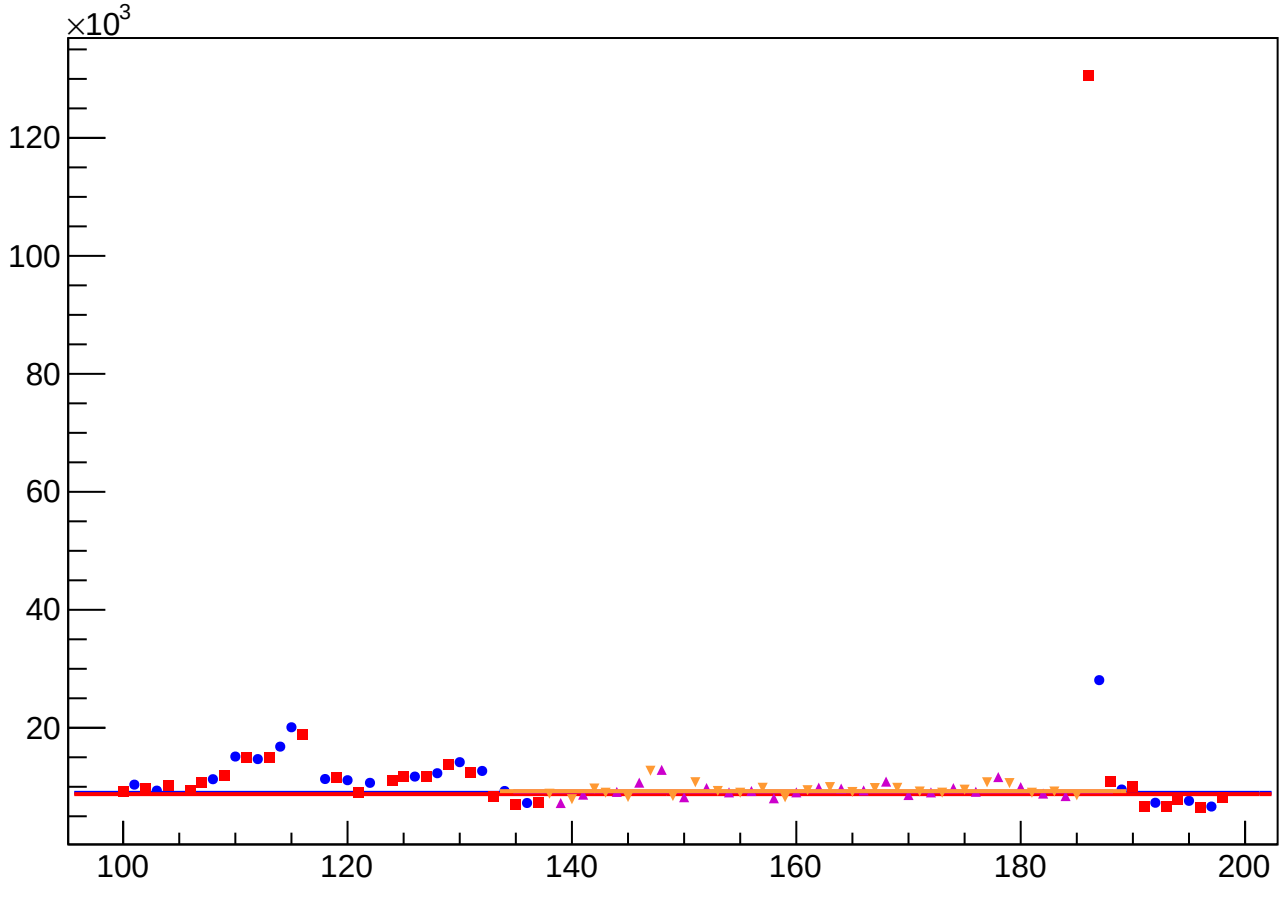
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -2.654+/-1.924 χ^2/NDF: 38.6/47

In: -0.676+/-1.733 χ^2/NDF:45.1/43

Out: 0.877+/-1.641 χ^2/NDF:49.9/51

All: 0.143+/-1.191 χ^2/NDF: 95.5/95



Right In: 8972.314+/-2.034 χ^2/NDF: 1524098.2/20

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 8753.061+/-1.830 χ^2/NDF: 2259758.8/26

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

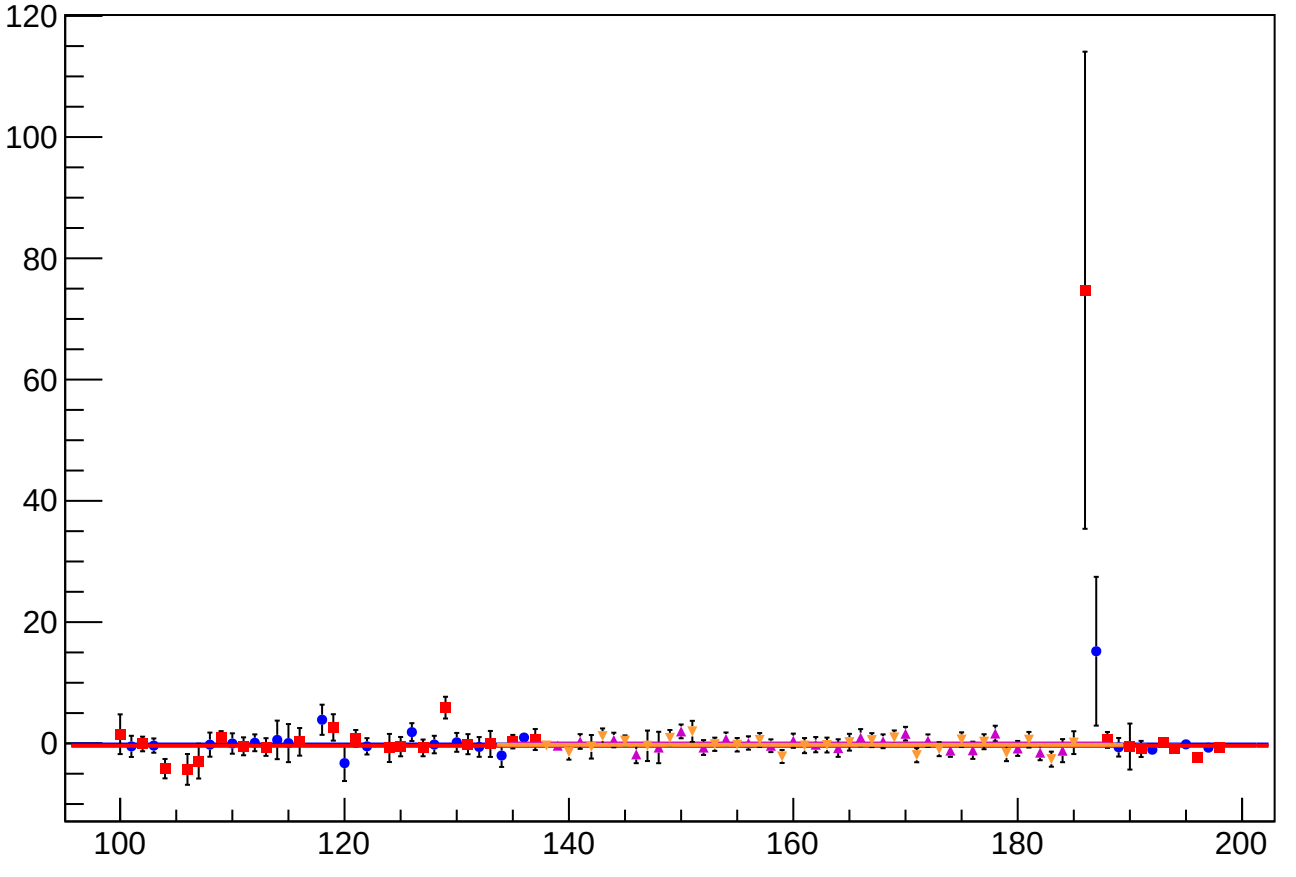
Right: 8851.101+/-1.360 χ^2/NDF: 3790278.6/47

In: 9117.116+/-1.225 χ^2/NDF:2047545.5/43

Out: 9057.107+/-1.160 χ^2/NDF:2672017.7/51

All: 9085.474+/-0.842 χ^2/NDF: 4720828.1/95

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: -0.185+/-0.286 χ^2/NDF: 12.3/20

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: -0.401+/-0.261 χ^2/NDF: 37.7/26

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

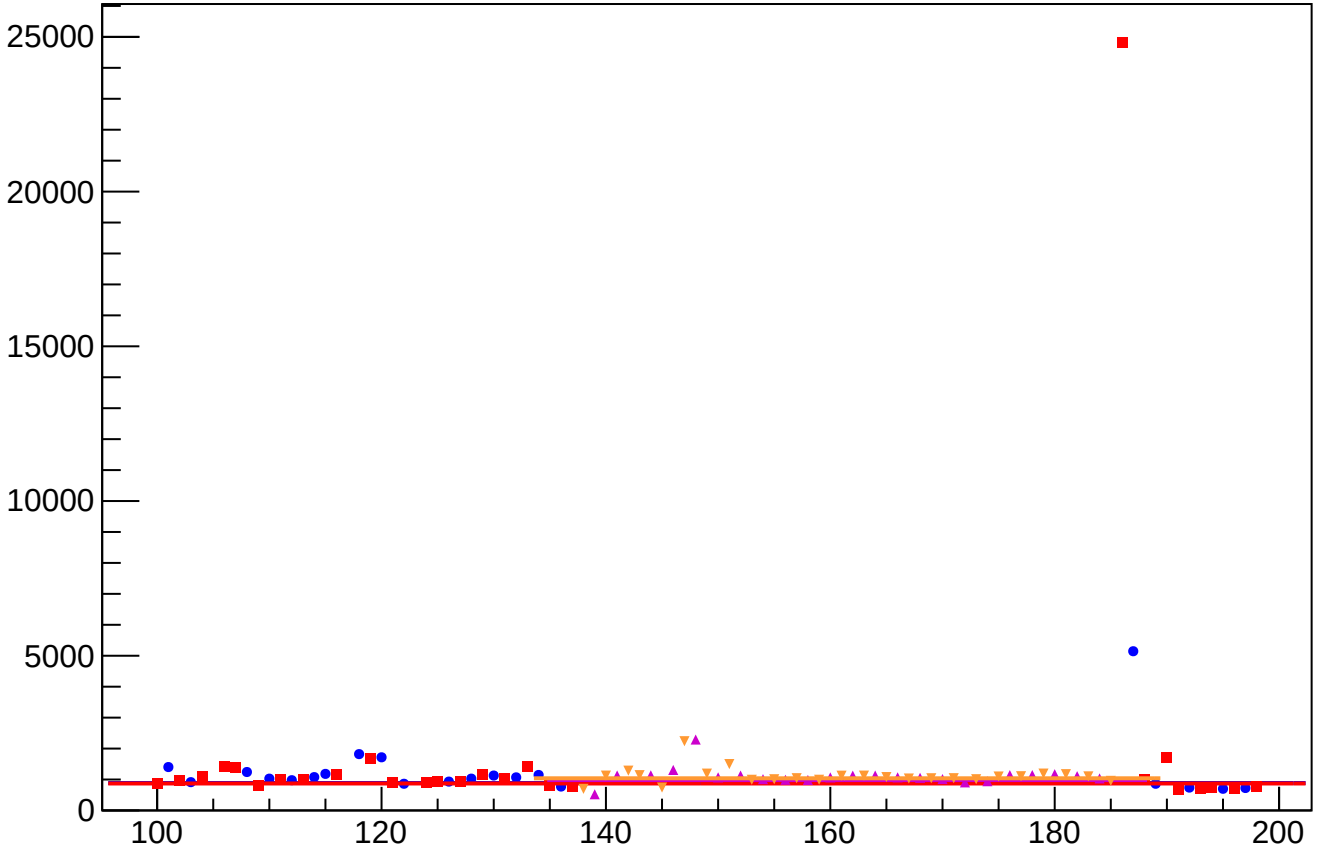
Right: -0.303+/-0.193 χ^2/NDF: 50.3/47

In: -0.091+/-0.183 χ^2/NDF:27.7/43

Out: -0.309+/-0.178 χ^2/NDF:56.9/51

All: -0.203+/-0.128 χ^2/NDF: 85.3/95

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 886.743+/-0.202 χ^2/NDF: 1421632.3/20

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 872.066+/-0.184 χ^2/NDF: 1935812.1/26

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

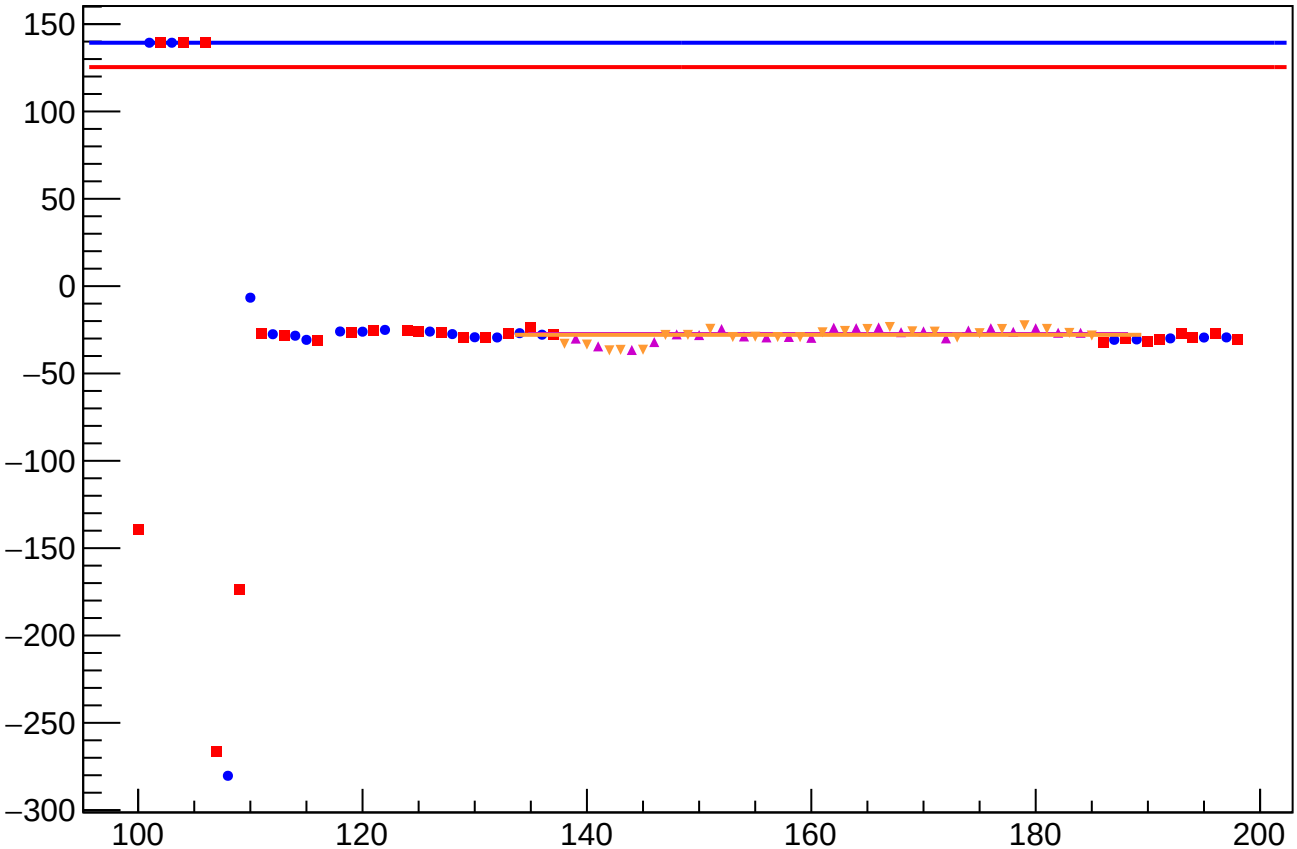
Right: 878.725+/-0.136 χ^2/NDF: 3360318.2/47

In: 942.652+/-0.130 χ^2/NDF:3776335.4/43

Out: 961.512+/-0.126 χ^2/NDF:3715710.8/51

All: 952.371+/-0.090 χ^2/NDF: 7502935.5/95

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 51673342225.0/20

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.392+/-0.000 χ^2/NDF: 774179889565867.4/26

Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

Left: -27.654+/-0.000 χ^2/NDF: 305673778.0/47

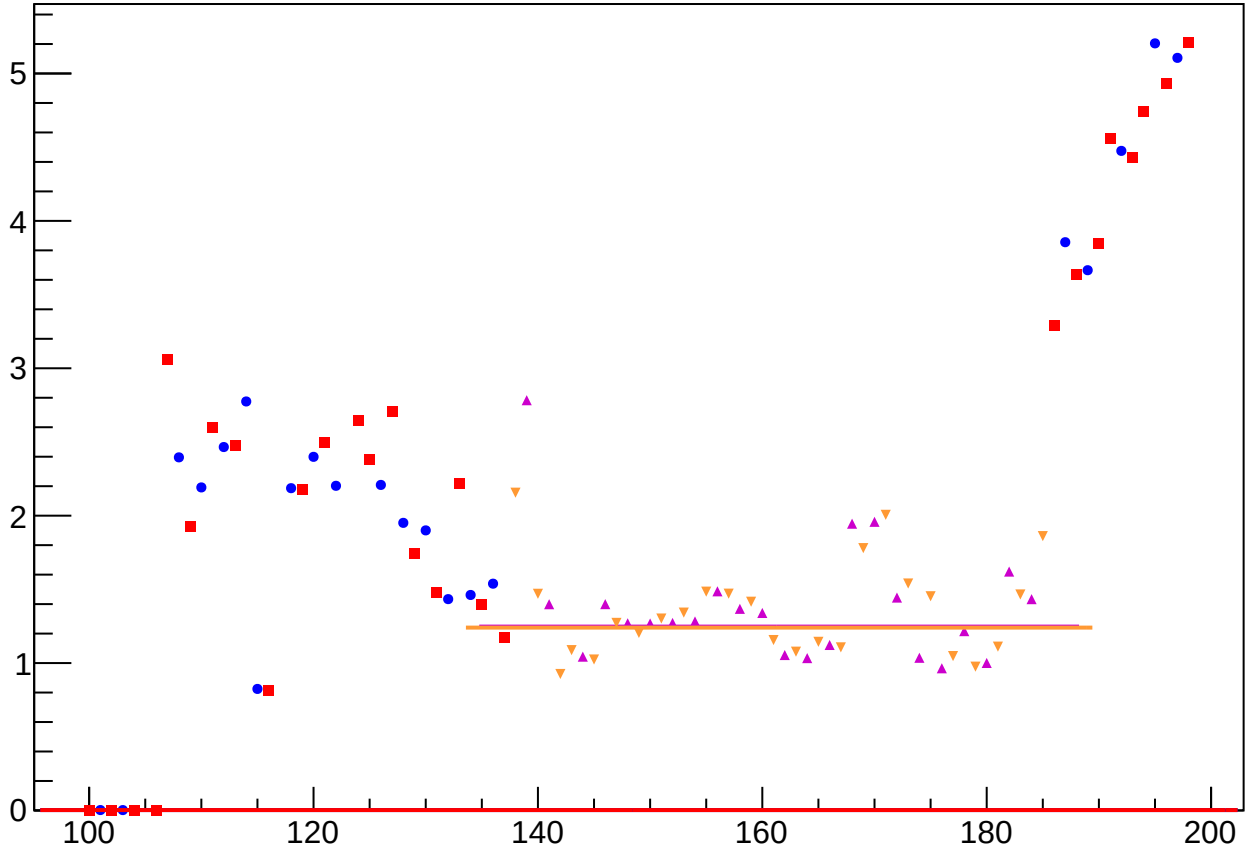
Right: 131.818+/-0.000 χ^2/NDF: 793016528146009

In: 139.328+/-0.000 χ^2/NDF:306072760561.5/43

Out: 125.384+/-0.000 χ^2/NDF:774410578119325.

All: 131.810+/-0.000 χ^2/NDF: 79349894168

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 16184115.8/20

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 20056293.5/26

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

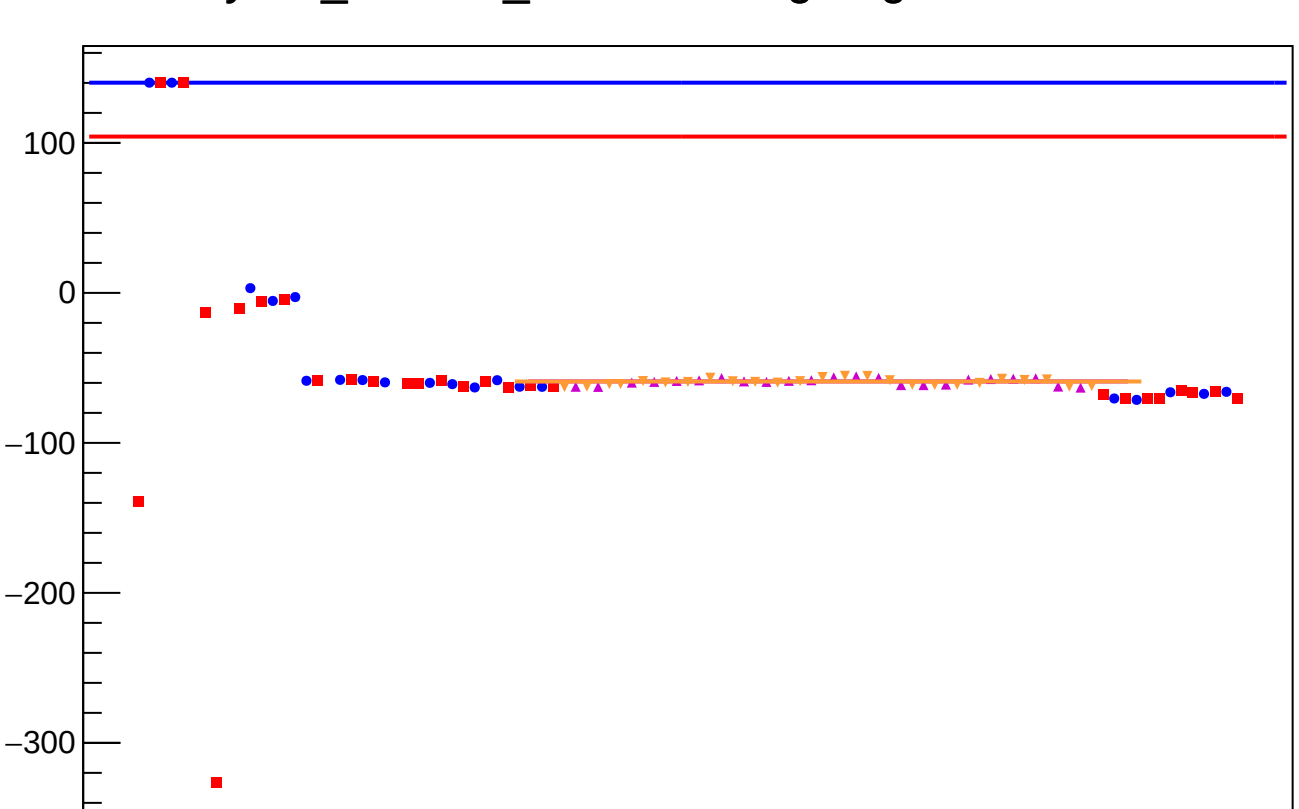
Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

Right: 0.003+/-0.000 χ^2/NDF: 36240573.7/47

In: 0.003+/-0.000 χ^2/NDF:45949697.1/43

Out: 0.003+/-0.000 χ^2/NDF:51356410.0/51

All: 0.003+/-0.000 χ^2/NDF: 97306340.2/95



Right In: 140.141+/-0.000 χ^2/NDF: 296128221938.3/20

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.221+/-0.000 χ^2/NDF: 1257514980315669.8/26

Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

Left: -59.043+/-0.000 χ^2/NDF: 356781901.8/47

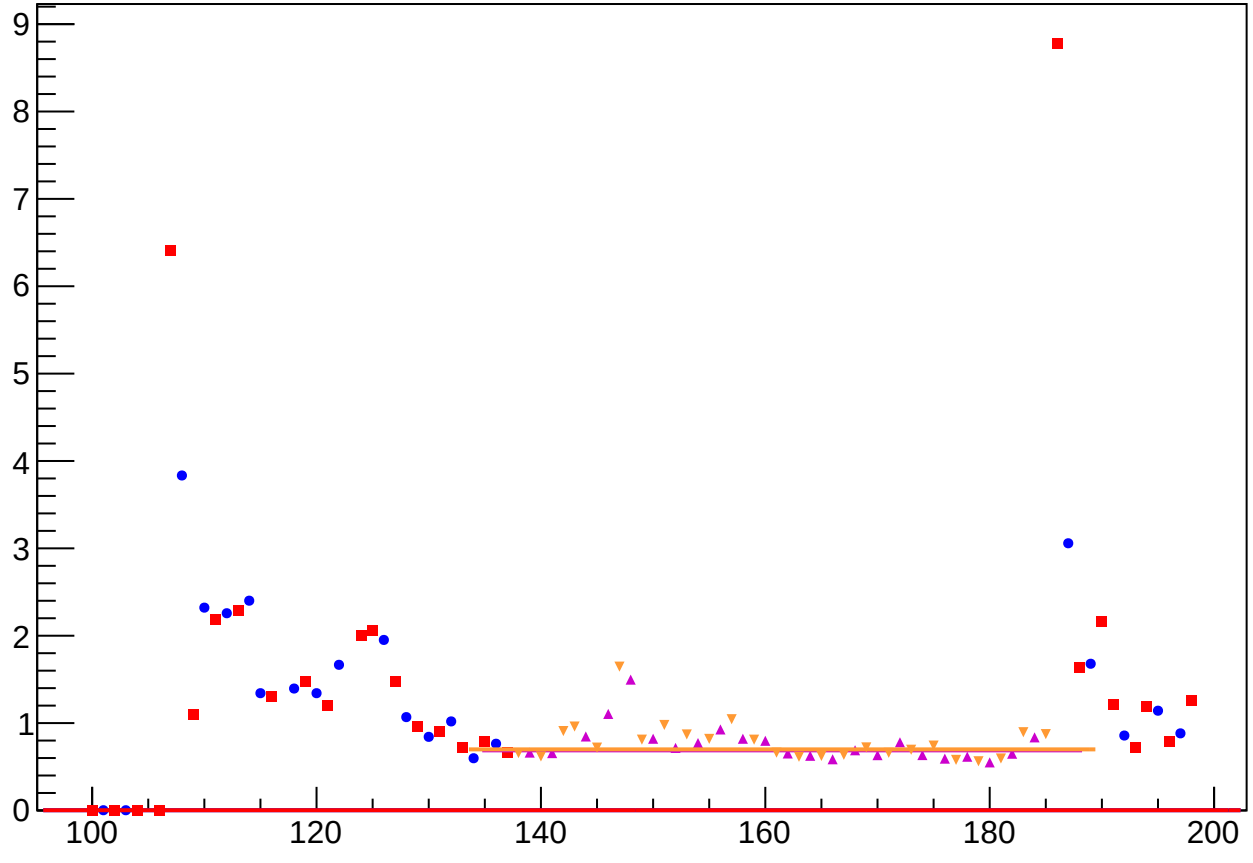
Right: 120.828+/-0.000 χ^2/NDF: 138112116708297

In: 140.105+/-0.000 χ^2/NDF:1571694910612.1/43

Out: 104.195+/-0.000 χ^2/NDF:125838660201927

All: 120.798+/-0.000 χ^2/NDF: 13832192840

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 15978097.0/20

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 19340199.9/26

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

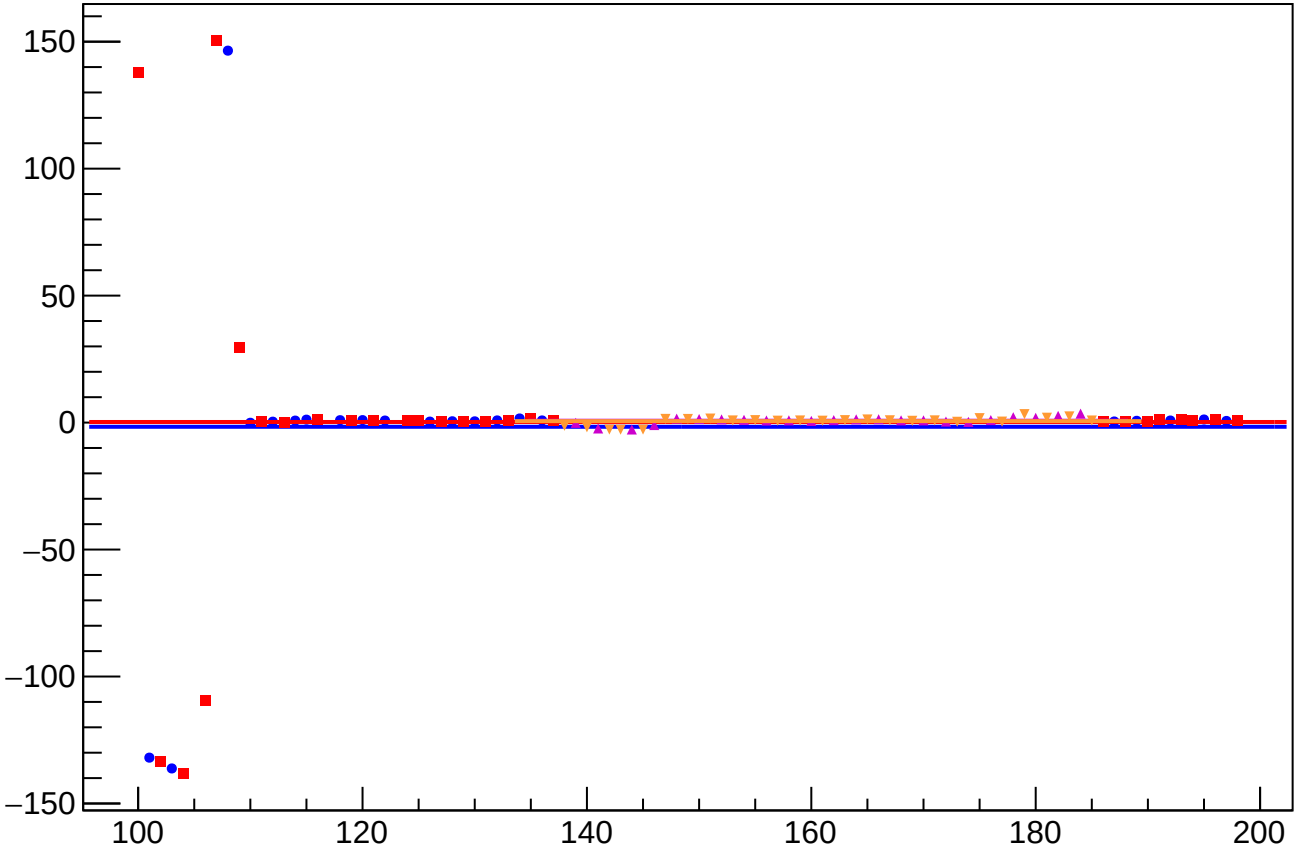
Right: 0.003+/-0.000 χ^2/NDF: 35318452.0/47

In: 0.003+/-0.000 χ^2/NDF:47283748.6/43

Out: 0.003+/-0.000 χ^2/NDF:52396693.5/51

All: 0.003+/-0.000 χ^2/NDF: 99680784.8/95

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.648+/-0.000 χ^2/NDF: 9894393324.4/20

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.237+/-0.000 χ^2/NDF: 3612072010.0/26

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

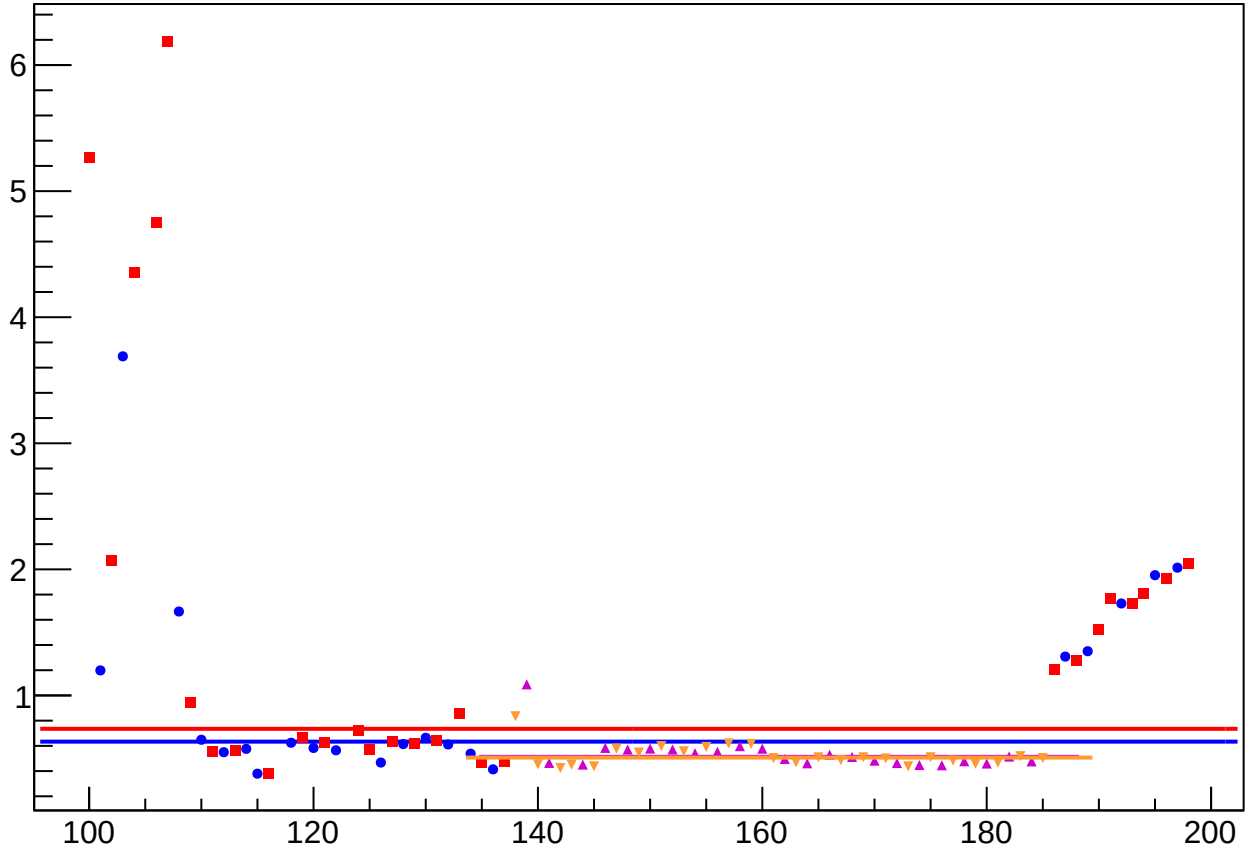
Right: -0.760+/-0.000 χ^2/NDF: 13535357113.9/47

In: 0.172+/-0.000 χ^2/NDF:10074265878.5/43

Out: 0.507+/-0.000 χ^2/NDF:3767835214.6/51

All: 0.343+/-0.000 χ^2/NDF: 13846290086.4/9

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.633+/-0.000 χ^2/NDF: 4462509.2/20

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.735+/-0.000 χ^2/NDF: 6124793.3/26

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

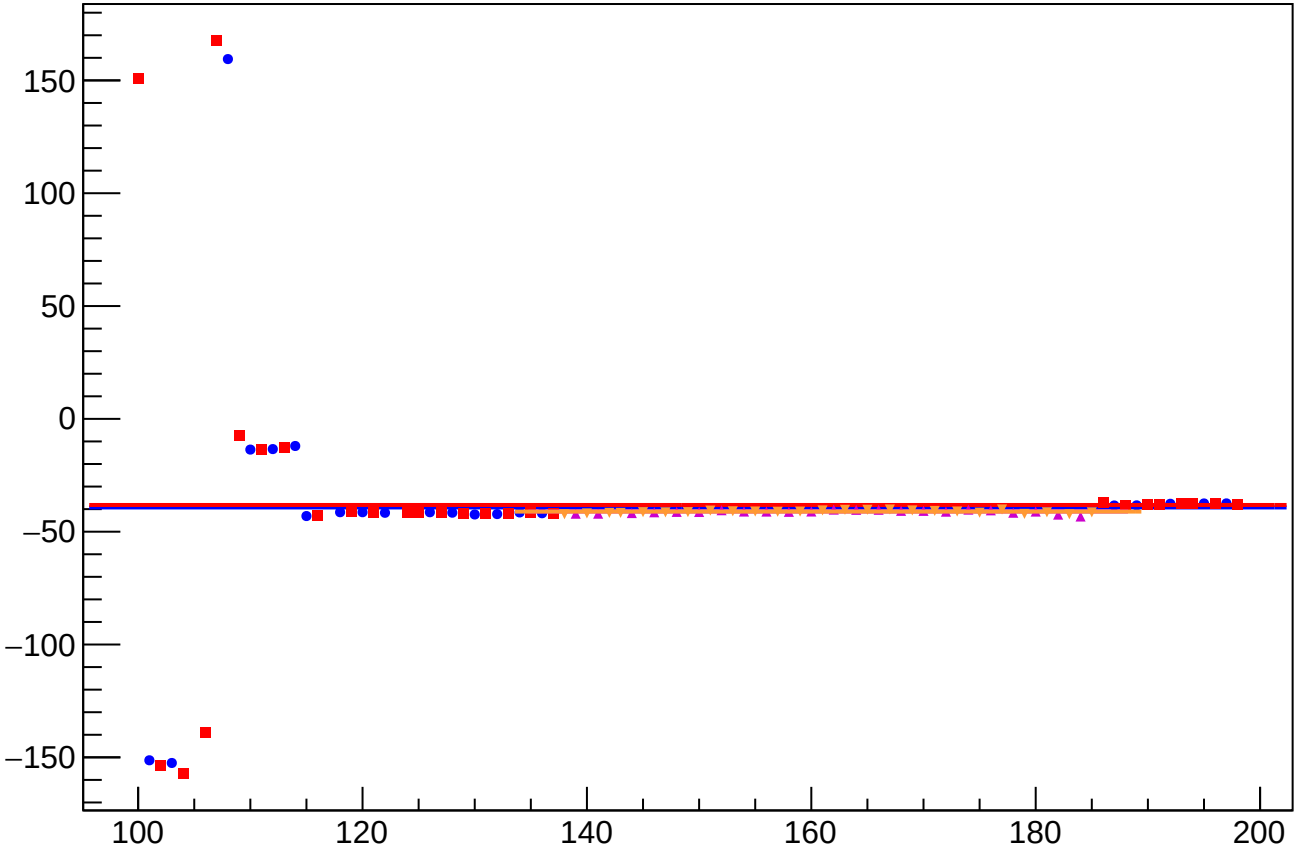
Right: 0.681+/-0.000 χ^2/NDF: 10755898.6/47

In: 0.541+/-0.000 χ^2/NDF:5600080.3/43

Out: 0.553+/-0.000 χ^2/NDF:7958500.1/51

All: 0.547+/-0.000 χ^2/NDF: 13569060.0/95

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -39.257+/-0.000 χ^2/NDF: 3558612002.3/20

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -38.157+/-0.000 χ^2/NDF: 2507677066.5/26

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

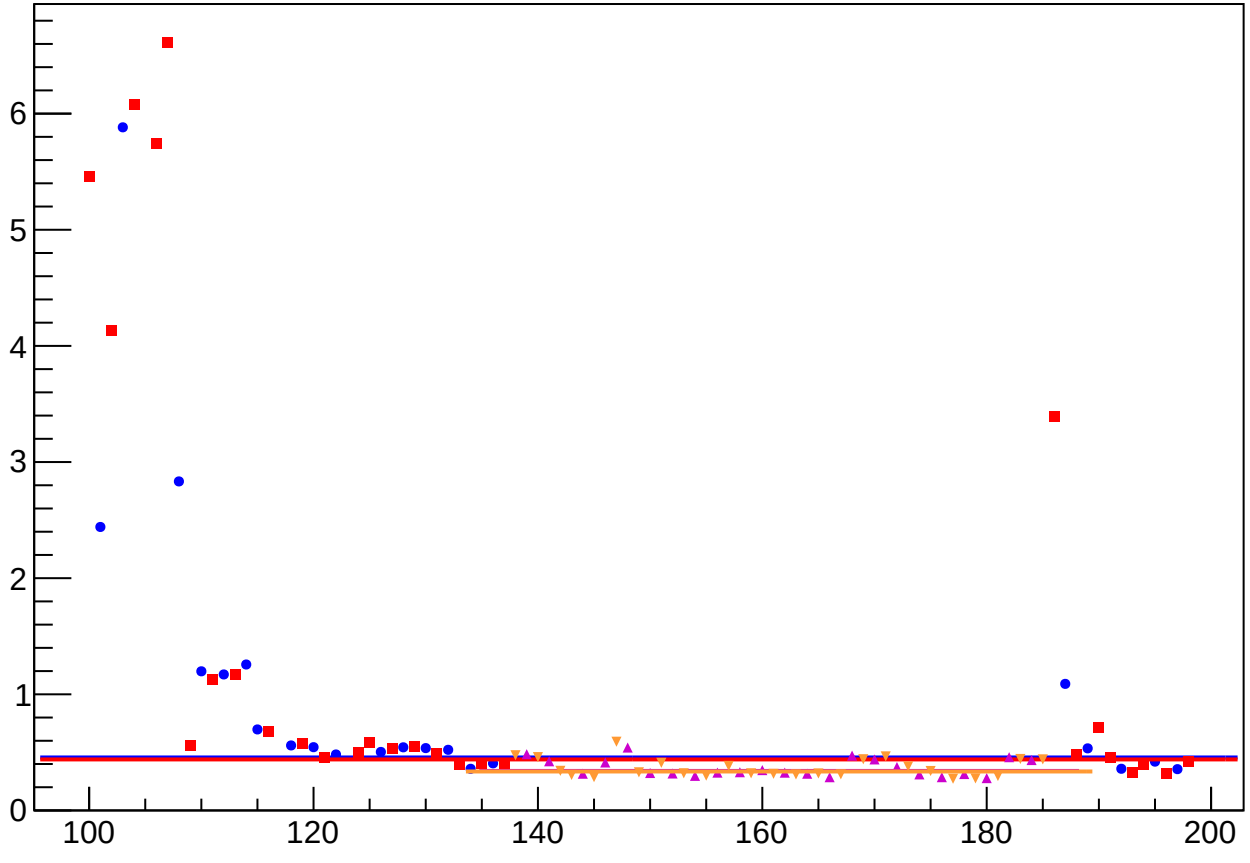
Right: -38.642+/-0.000 χ^2/NDF: 6091844559.5/47

In: -40.663+/-0.000 χ^2/NDF:3704093650.5/43

Out: -40.408+/-0.000 χ^2/NDF:2884147943.6/51

All: -40.528+/-0.000 χ^2/NDF: 6594548514.9/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.456+/-0.000 χ^2/NDF: 3514640.4/20

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.439+/-0.000 χ^2/NDF: 4606623.5/26

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

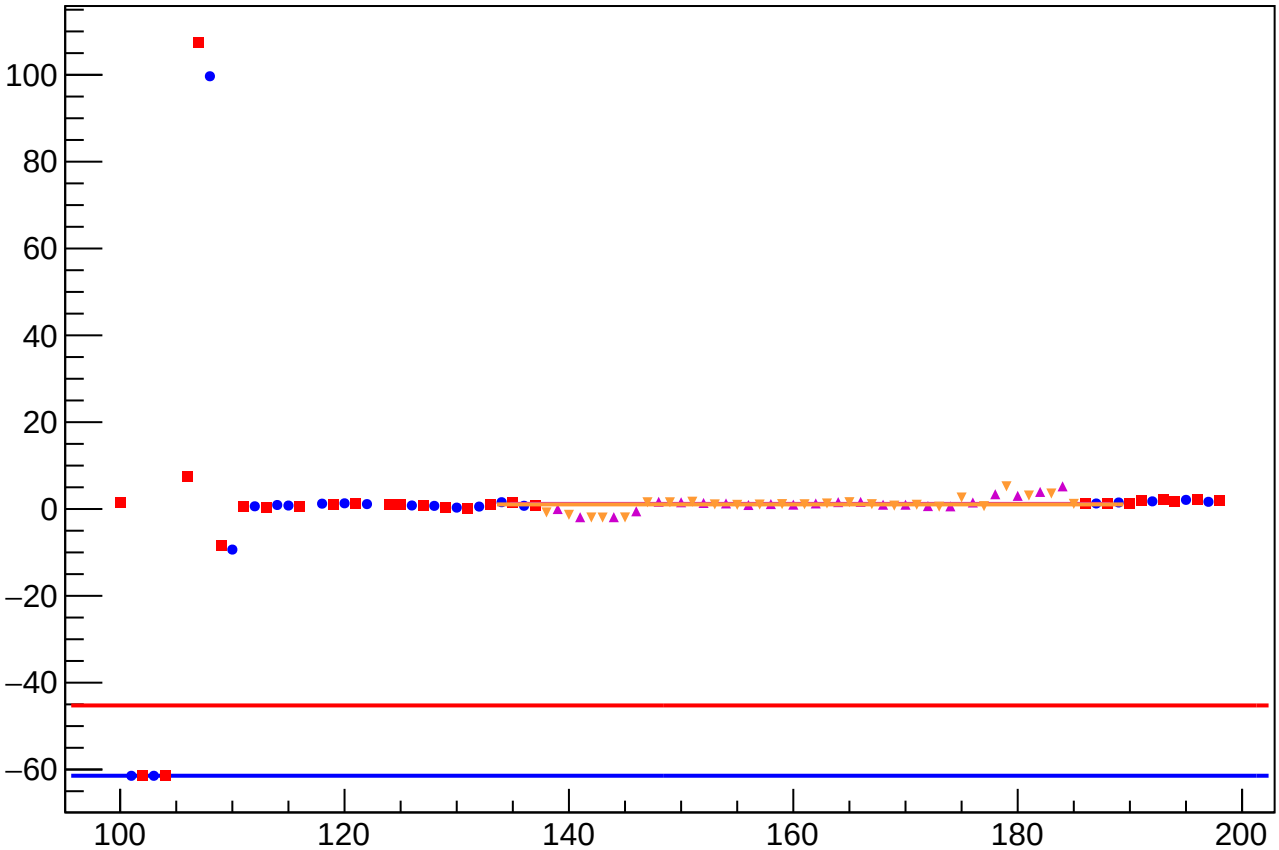
Right: 0.447+/-0.000 χ^2/NDF: 8133236.7/47

In: 0.364+/-0.000 χ^2/NDF:5386288.9/43

Out: 0.360+/-0.000 χ^2/NDF:6634644.8/51

All: 0.362+/-0.000 χ^2/NDF: 12024618.0/95

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 279348426246.8/20

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 357876023777373.8/26

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

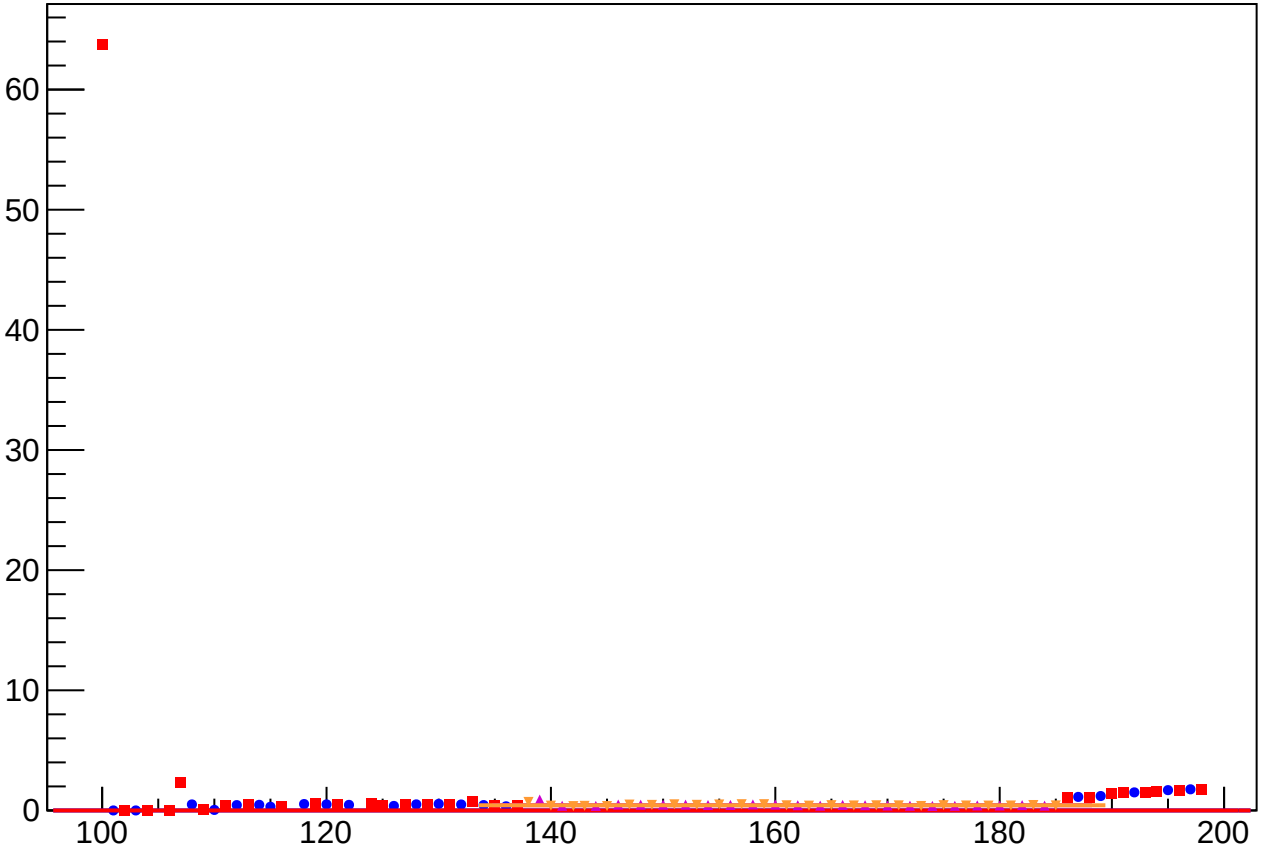
Right: -52.749+/-0.000 χ^2/NDF: 409133936121718

In: -61.422+/-0.000 χ^2/NDF:582212970966.4/43

Out: -45.235+/-0.000 χ^2/NDF:358057305852108.5

All: -52.738+/-0.000 χ^2/NDF: 40960334810

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 15745826.2/20

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

Right Out: 0.001+/-0.000 χ^2/NDF: 19663620.1/26

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

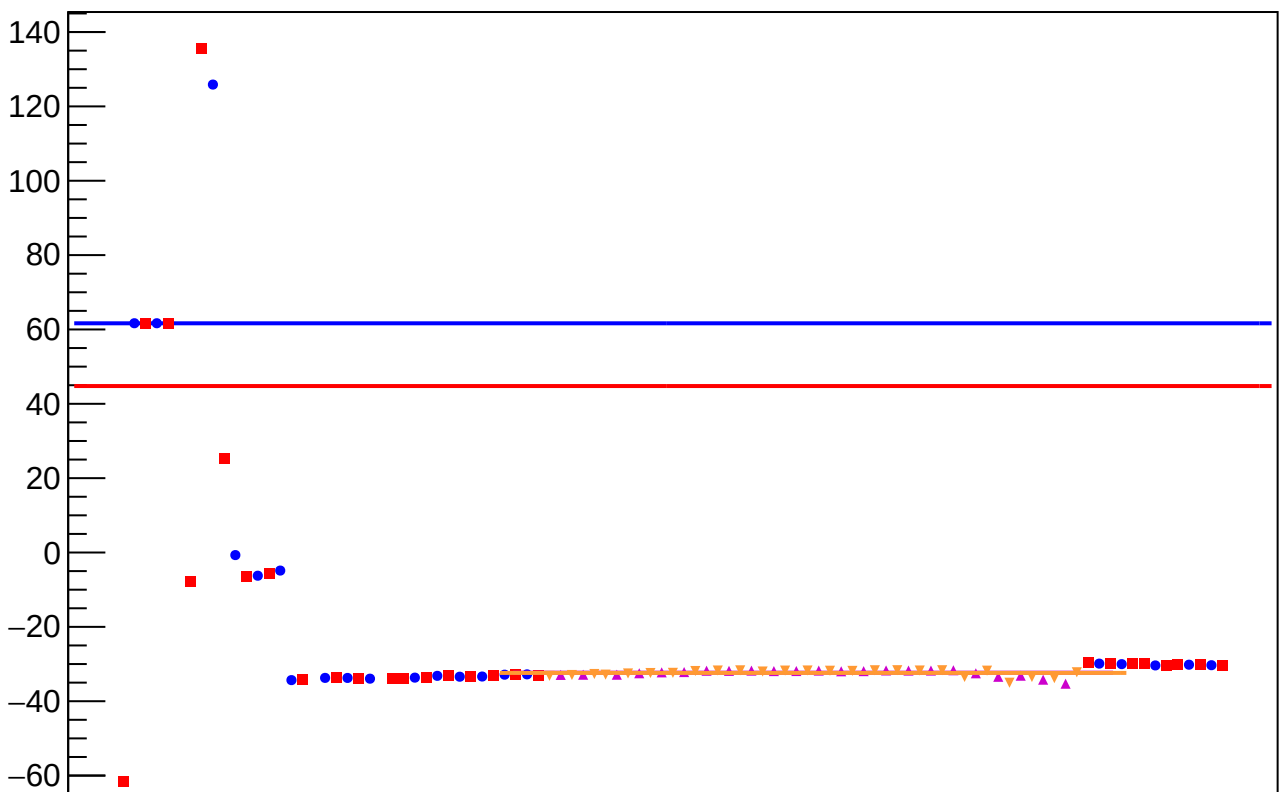
Right: 0.001+/-0.000 χ^2/NDF: 35409446.3/47

In: 0.002+/-0.000 χ^2/NDF:45887179.4/43

Out: 0.002+/-0.000 χ^2/NDF:51429473.4/51

All: 0.002+/-0.000 χ^2/NDF: 97316668.2/95

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.654+/-0.000 χ^2/NDF: 600202052270.7/20

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.777+/-0.000 χ^2/NDF: 3663286598901 93.5/26

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

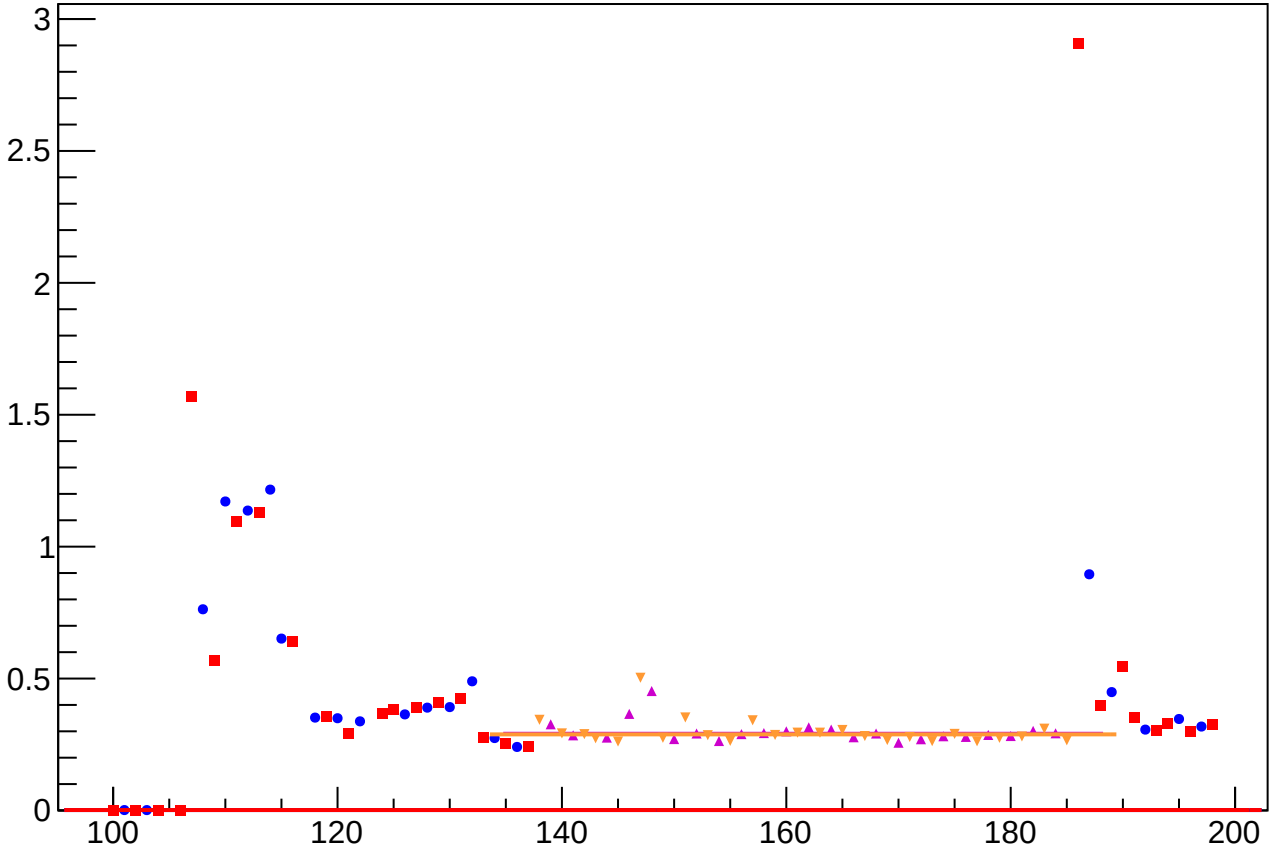
Right: 52.681+/-0.000 χ^2/NDF: 418041766982716.4

In: 61.597+/-0.000 χ^2/NDF:2423792181583.6/43

Out: 44.733+/-0.000 χ^2/NDF:367646976396996.4

All: 52.630+/-0.000 χ^2/NDF: 421135902307

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 17410405.2/20

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 20656833.1/26

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

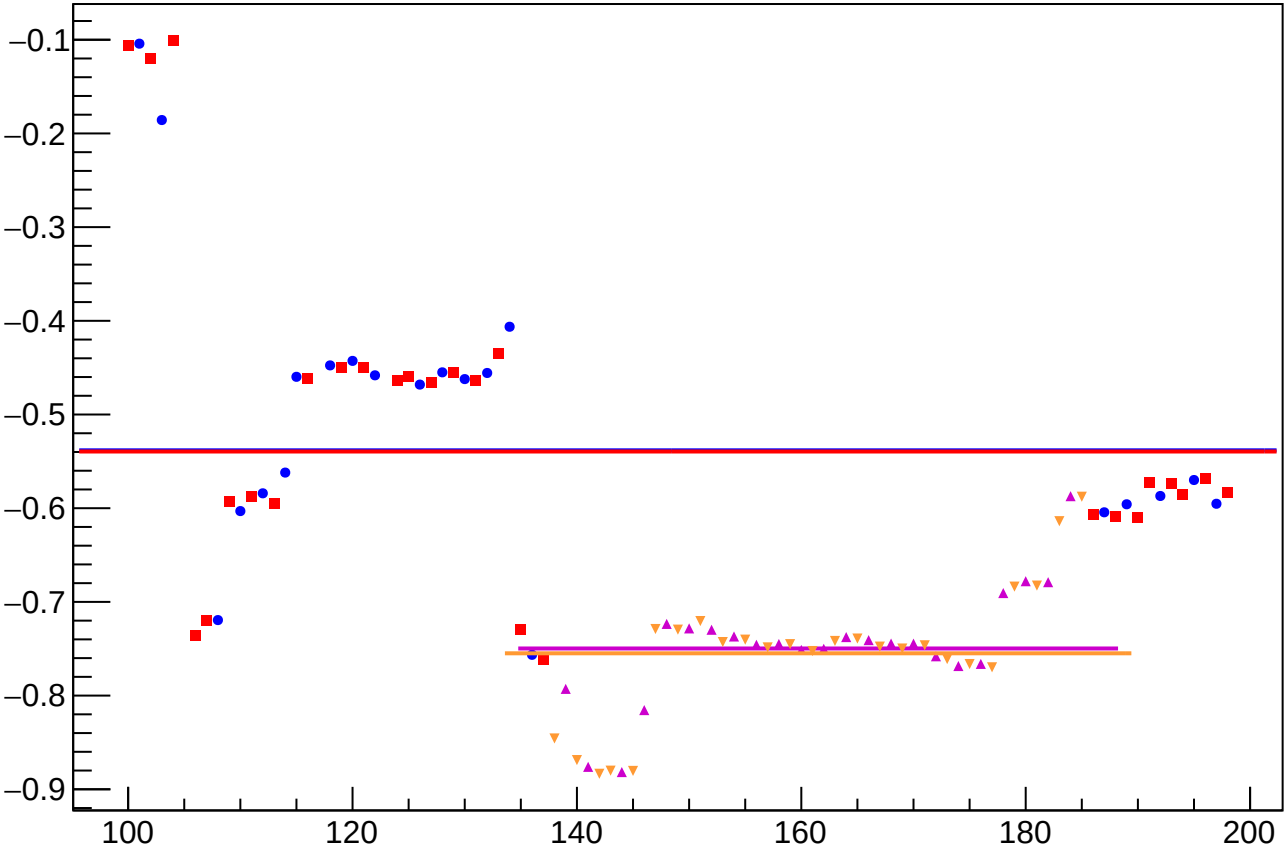
Right: 0.002+/-0.000 χ^2/NDF: 38067520.8/47

In: 0.002+/-0.000 χ^2/NDF:52314292.3/43

Out: 0.002+/-0.000 χ^2/NDF:57609013.9/51

All: 0.002+/-0.000 χ^2/NDF: 109923408.7/95

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.538+/-0.000 χ^2/NDF: 302964655.7/20

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.539+/-0.000 χ^2/NDF: 218825050.5/26

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

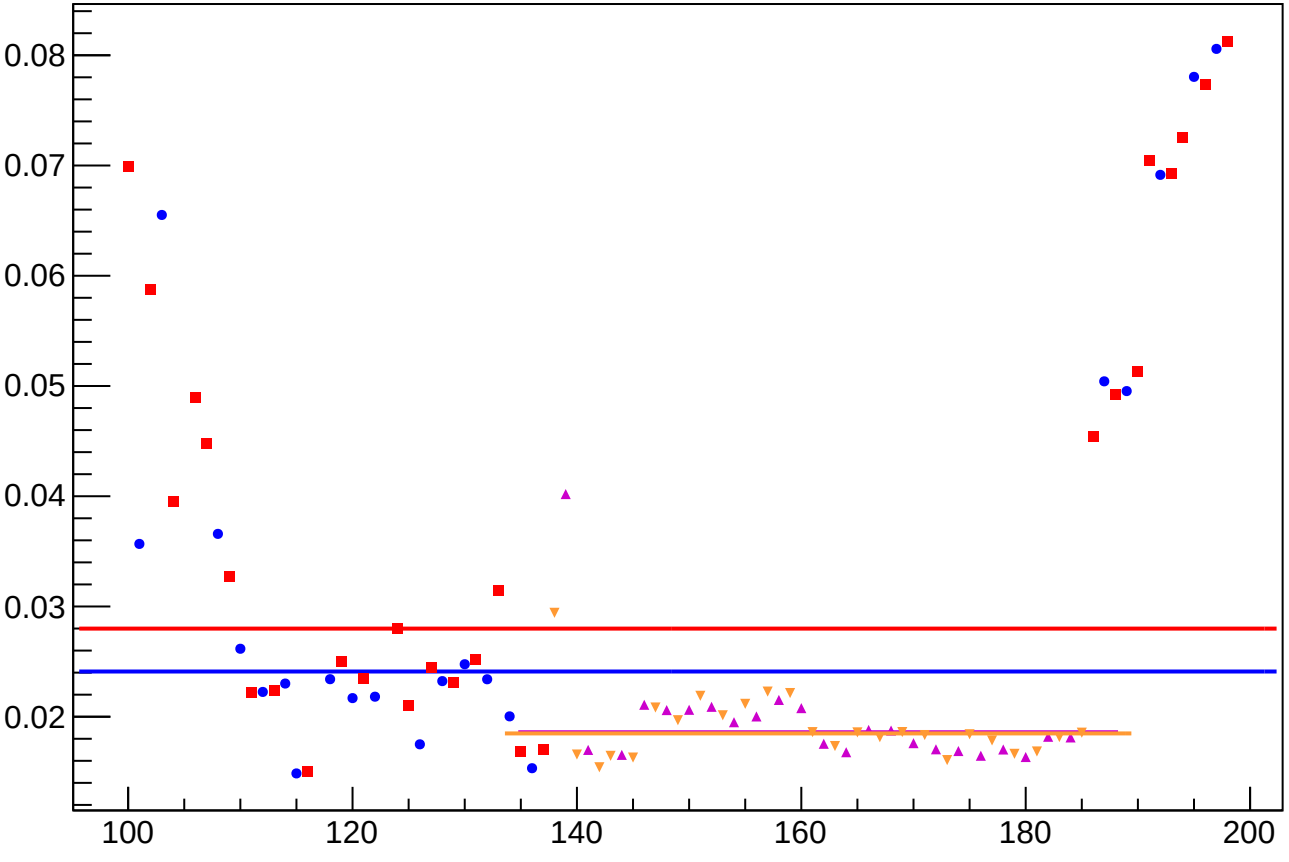
Right: -0.539+/-0.000 χ^2/NDF: 521798945.4/47

In: -0.702+/-0.000 χ^2/NDF:872099385.5/43

Out: -0.712+/-0.000 χ^2/NDF:852283108.8/51

All: -0.707+/-0.000 χ^2/NDF: 1727235592.2/9

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.024+/-0.000 χ^2/NDF: 4099225.8/20

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.028+/-0.000 χ^2/NDF: 5015352.9/26

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

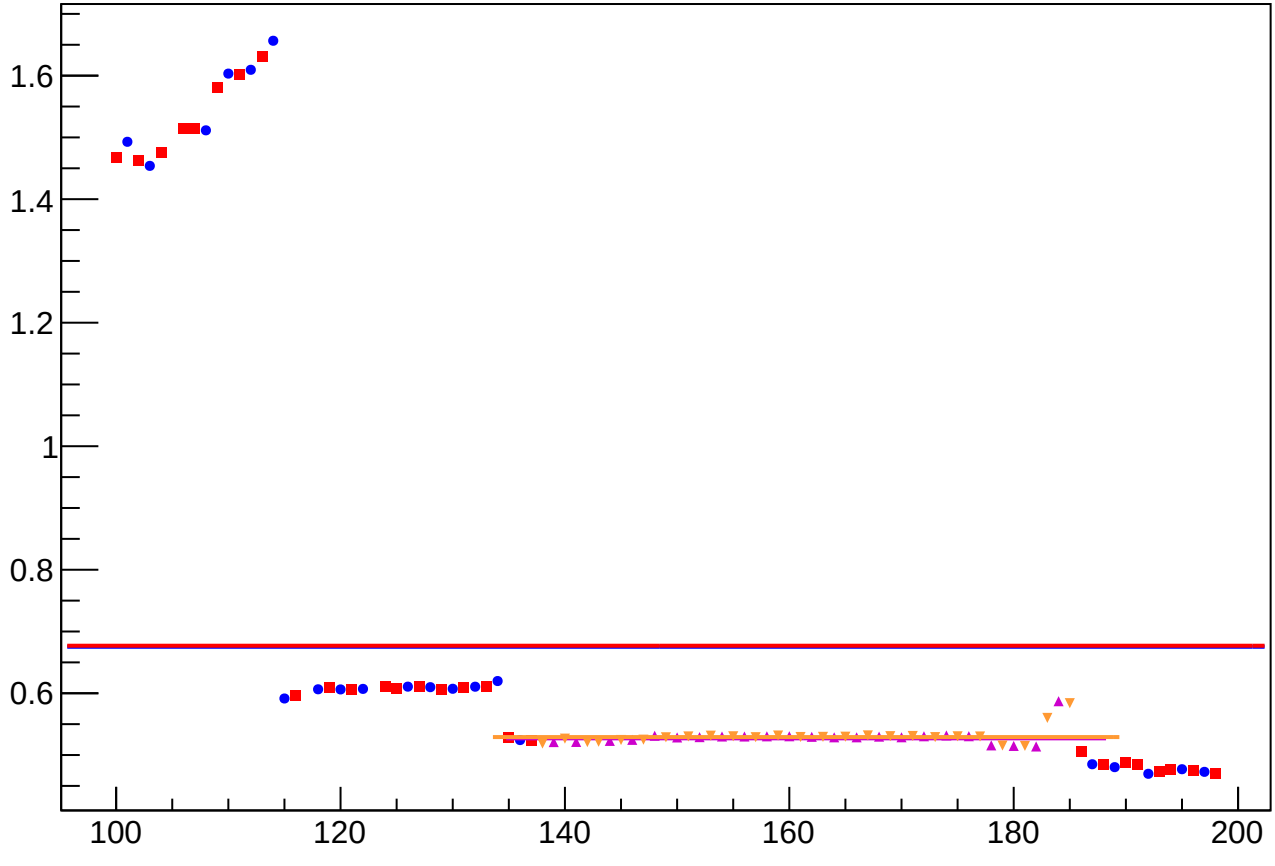
Right: 0.026+/-0.000 χ^2/NDF: 9293509.3/47

In: 0.020+/-0.000 χ^2/NDF:5419279.0/43

Out: 0.020+/-0.000 χ^2/NDF:7147080.4/51

All: 0.020+/-0.000 χ^2/NDF: 12582378.0/95

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.675+/-0.000 χ^2/NDF: 5054919436.0/20

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.677+/-0.000 χ^2/NDF: 6082551777.4/26

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

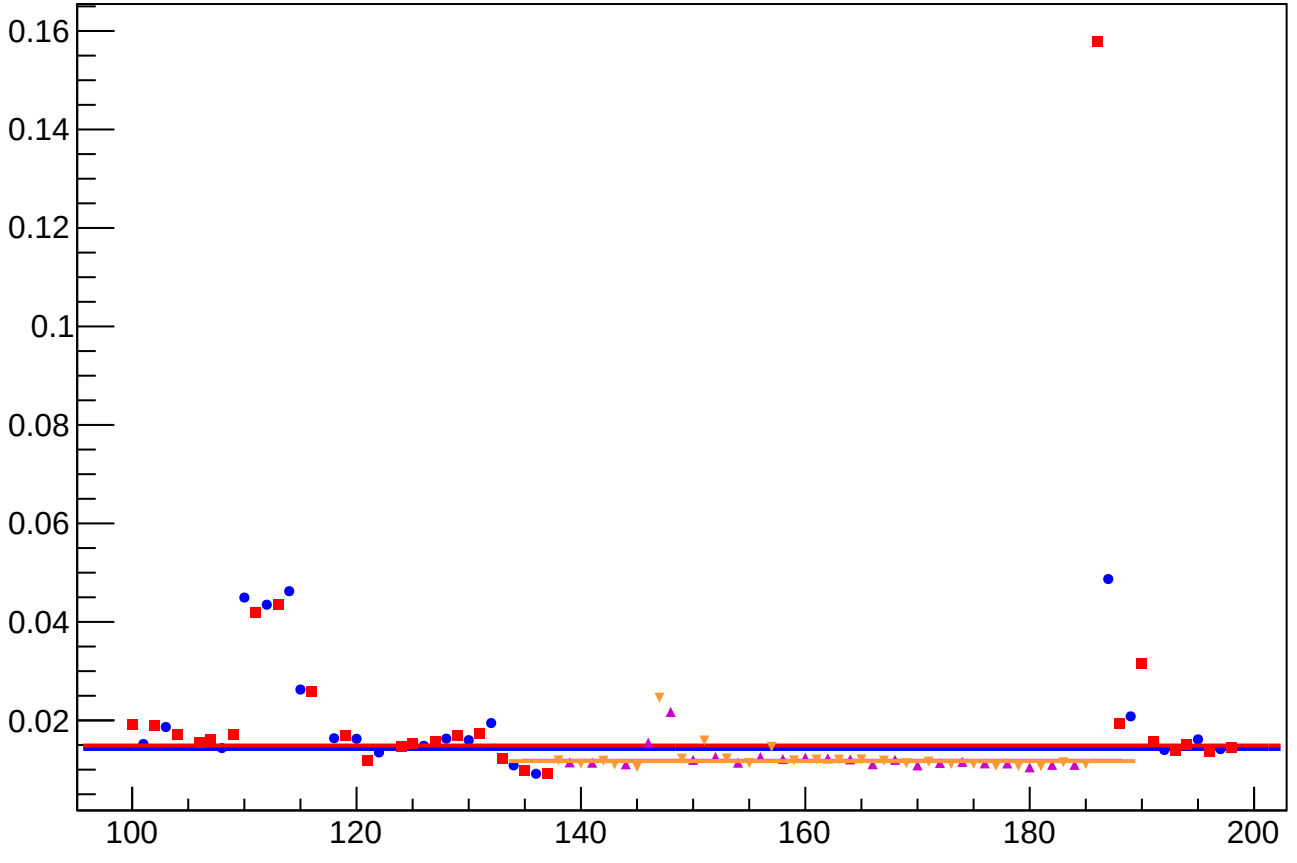
Right: 0.676+/-0.000 χ^2/NDF: 11137537037.2/47

In: 0.566+/-0.000 χ^2/NDF:5792424334.4/43

Out: 0.568+/-0.000 χ^2/NDF:6882923048.7/51

All: 0.567+/-0.000 χ^2/NDF: 12676054545.4/9

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1958444.5/20

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2378070.9/26

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

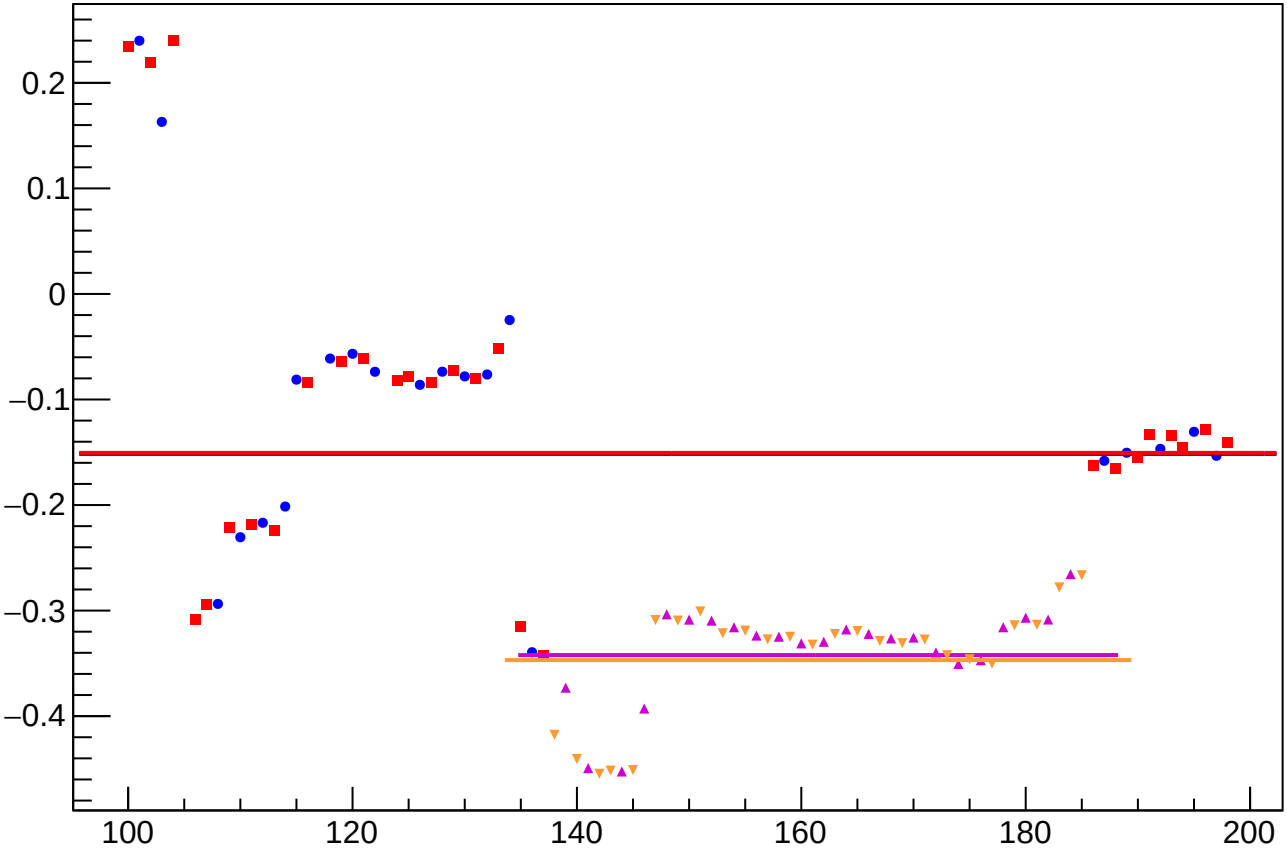
Right: 0.015+/-0.000 χ^2/NDF: 4359056.6/47

In: 0.012+/-0.000 χ^2/NDF:2861437.4/43

Out: 0.013+/-0.000 χ^2/NDF:3795357.4/51

All: 0.012+/-0.000 χ^2/NDF: 6661204.3/95

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276866396.9/20

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.151+/-0.000 χ^2/NDF: 199665230.7/26

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

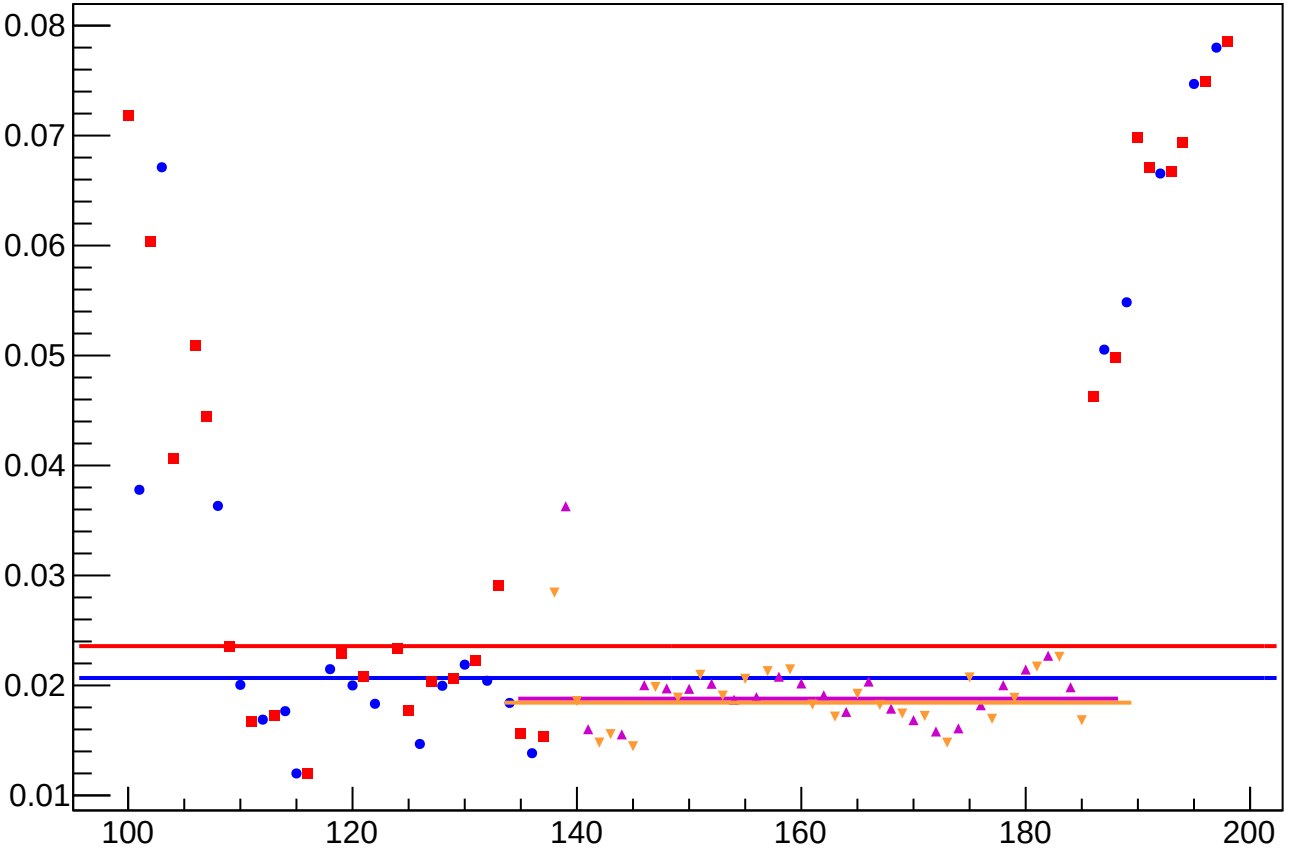
Right: -0.151+/-0.000 χ^2/NDF: 476538519.0/47

In: -0.290+/-0.000 χ^2/NDF:790226872.9/43

Out: -0.299+/-0.000 χ^2/NDF:763323745.4/51

All: -0.295+/-0.000 χ^2/NDF: 1556239992.6/9

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 4712474.3/20

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.024+/-0.000 χ^2/NDF: 6094604.8/26

Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

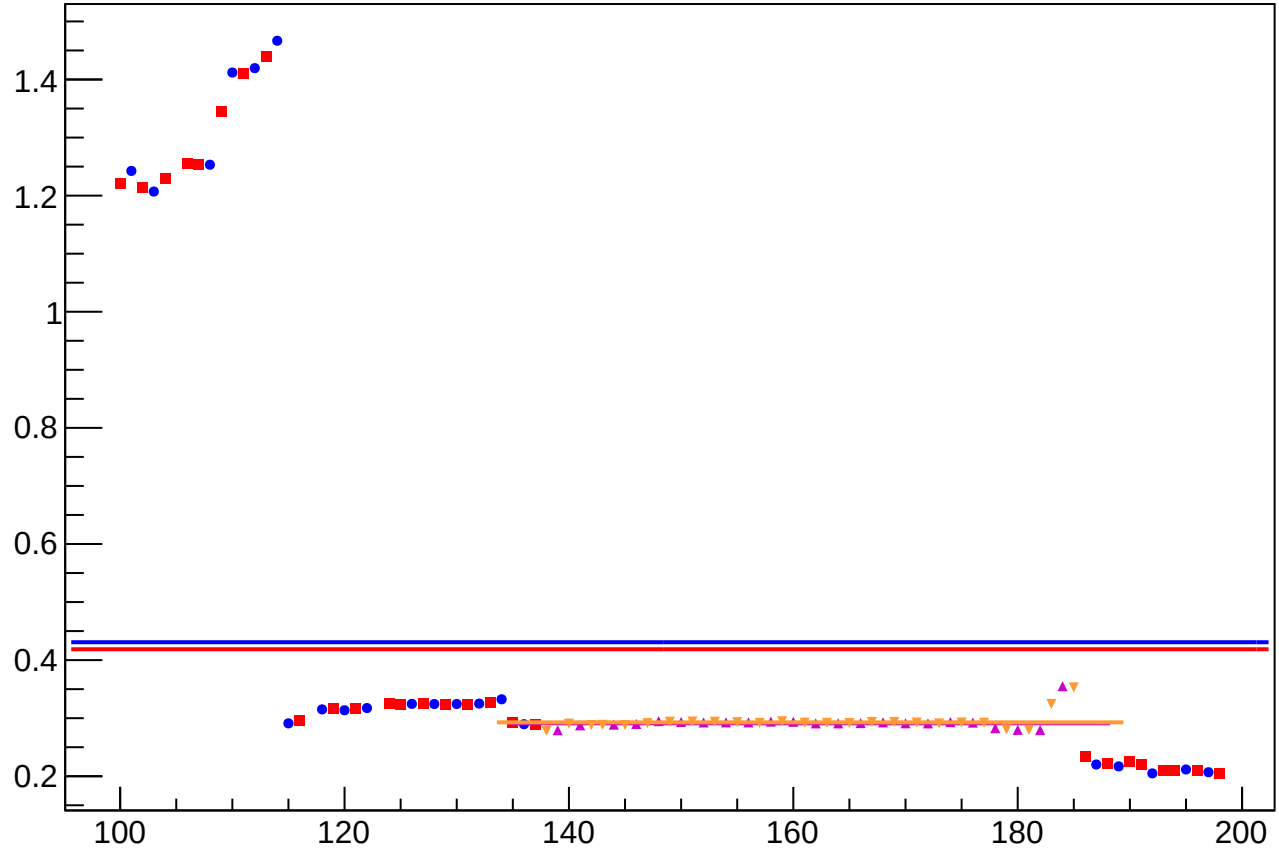
Right: 0.022+/-0.000 χ^2/NDF: 10937714.2/47

In: 0.019+/-0.000 χ^2/NDF:5513806.1/43

Out: 0.020+/-0.000 χ^2/NDF:7334678.5/51

All: 0.020+/-0.000 χ^2/NDF: 12856742.7/95

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.431+/-0.000 χ^2/NDF: 7460420597.6/20

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.419+/-0.000 χ^2/NDF: 8616975052.5/26

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

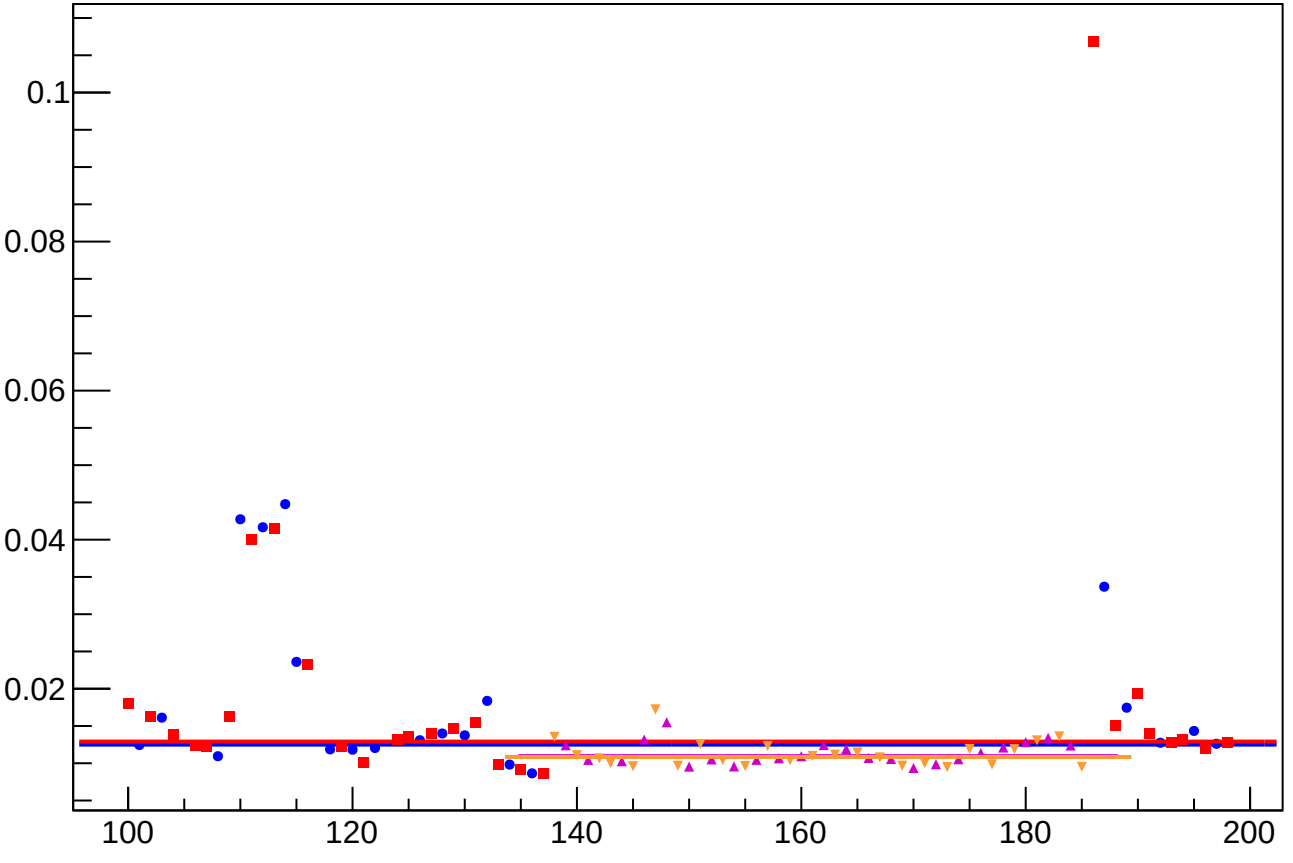
Right: 0.424+/-0.000 χ^2/NDF: 16081870895.5/47

In: 0.331+/-0.000 χ^2/NDF:8277147886.4/43

Out: 0.330+/-0.000 χ^2/NDF:9362307863.7/51

All: 0.331+/-0.000 χ^2/NDF: 17639589416.1/9

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1762755.4/20

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2158243.9/26

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

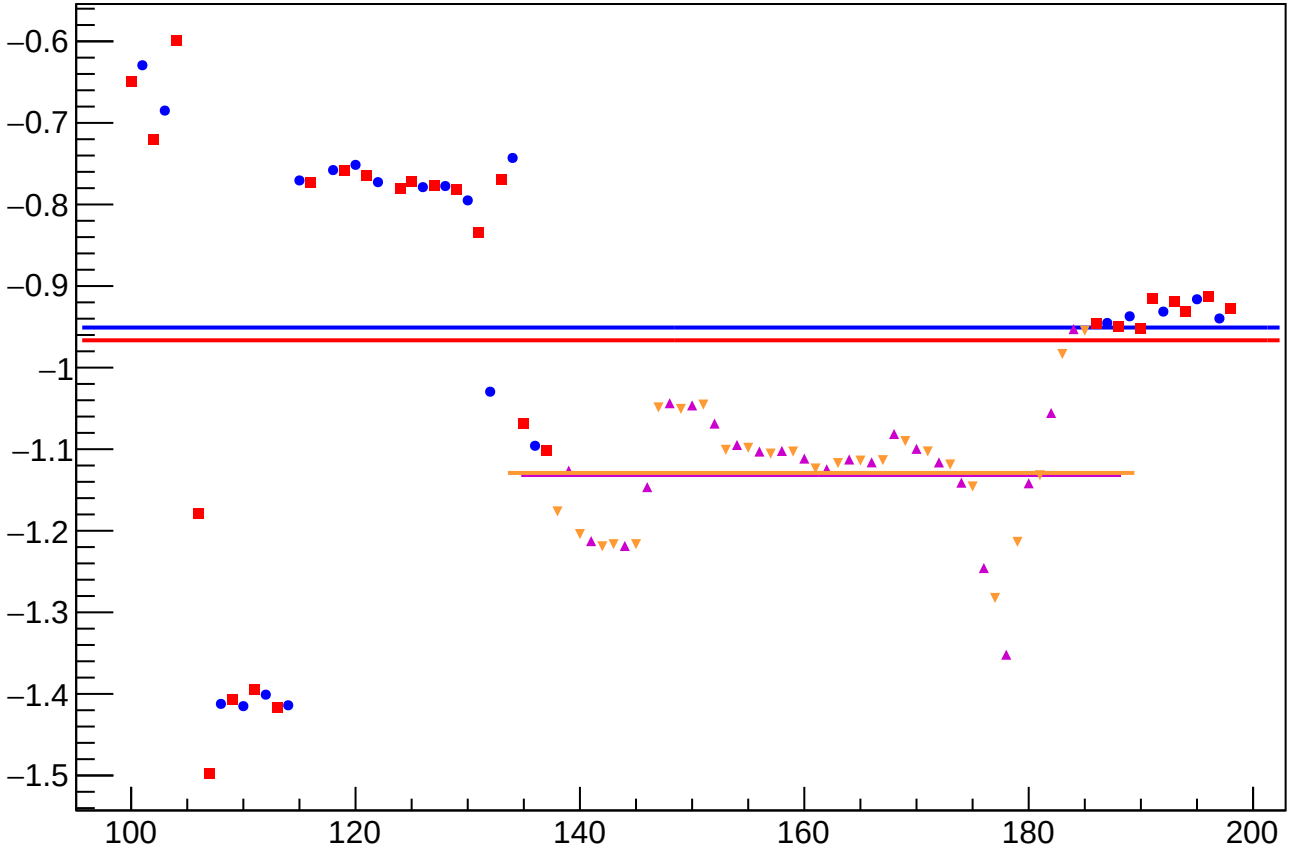
Right: 0.013+/-0.000 χ^2/NDF: 3930935.1/47

In: 0.011+/-0.000 χ^2/NDF:2472647.8/43

Out: 0.011+/-0.000 χ^2/NDF:3202708.4/51

All: 0.011+/-0.000 χ^2/NDF: 5675973.9/95

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.951+/-0.000 χ^2/NDF: 699797059.4/20

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.967+/-0.000 χ^2/NDF: 716253572.3/26

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

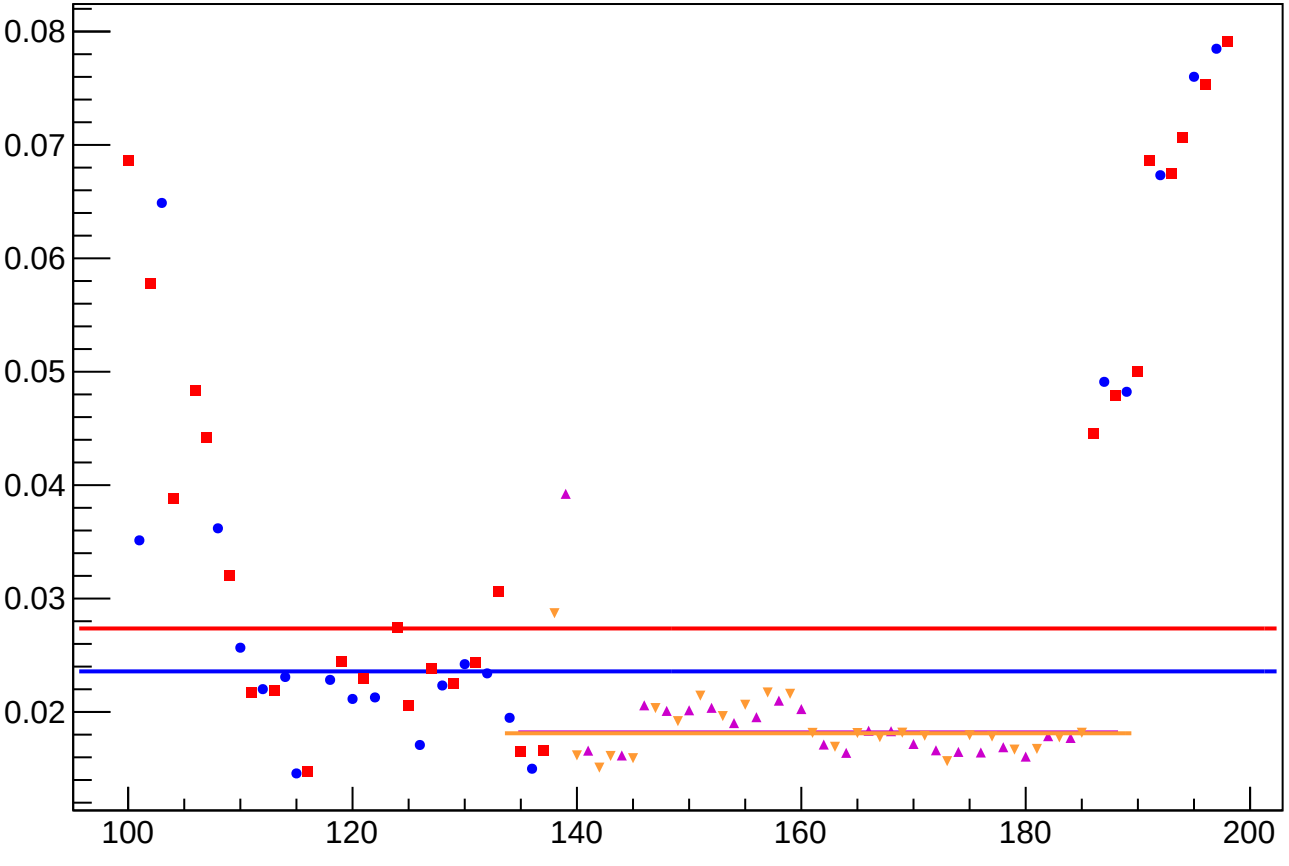
Right: -0.958+/-0.000 χ^2/NDF: 1417563812.8/47

In: -1.091+/-0.000 χ^2/NDF:1286850386.0/43

Out: -1.097+/-0.000 χ^2/NDF:1204793021.4/51

All: -1.094+/-0.000 χ^2/NDF: 2492636637.0/9

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.024+/-0.000 χ^2/NDF: 4099415.5/20

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.027+/-0.000 χ^2/NDF: 5005123.7/26

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

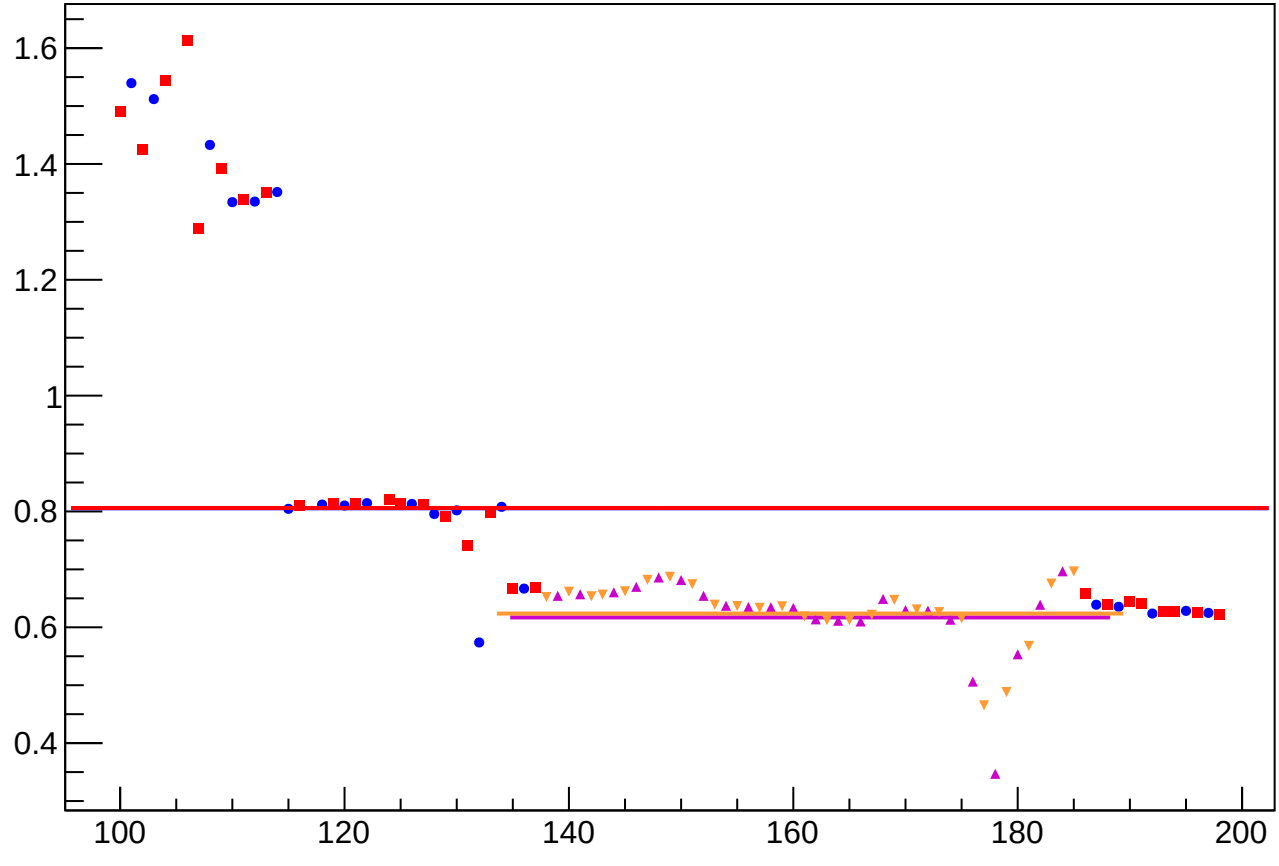
Right: 0.025+/-0.000 χ^2/NDF: 9281320.4/47

In: 0.019+/-0.000 χ^2/NDF:5401784.4/43

Out: 0.020+/-0.000 χ^2/NDF:7097206.1/51

All: 0.020+/-0.000 χ^2/NDF: 12516422.1/95

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.805+/-0.000 χ^2/NDF: 3390192297.5/20

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.806+/-0.000 χ^2/NDF: 3808479767.9/26

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

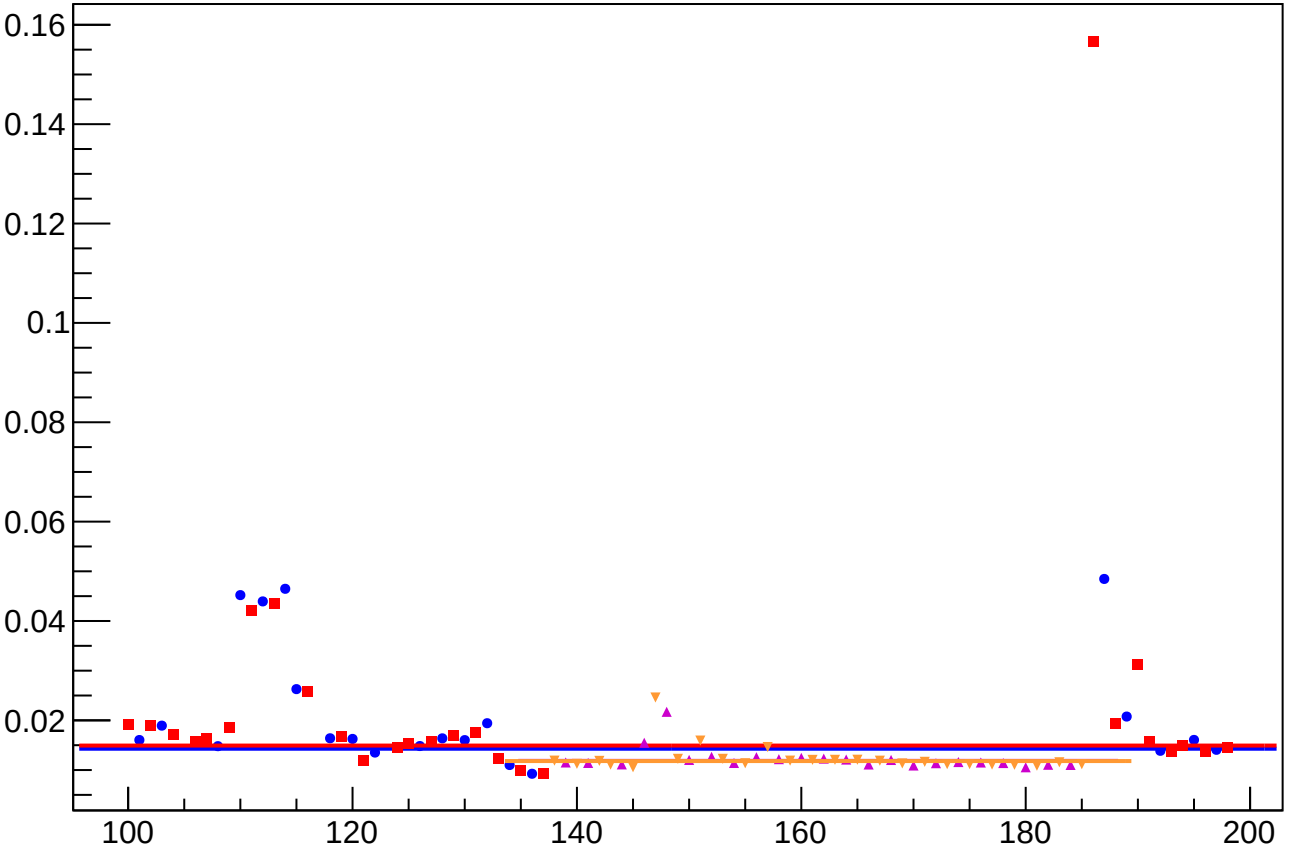
Right: 0.806+/-0.000 χ^2/NDF: 7198679463.8/47

In: 0.666+/-0.000 χ^2/NDF:5190366678.2/43

Out: 0.673+/-0.000 χ^2/NDF:5390222465.9/51

All: 0.669+/-0.000 χ^2/NDF: 10584368415.9/9

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1944355.1/20

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2383216.7/26

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

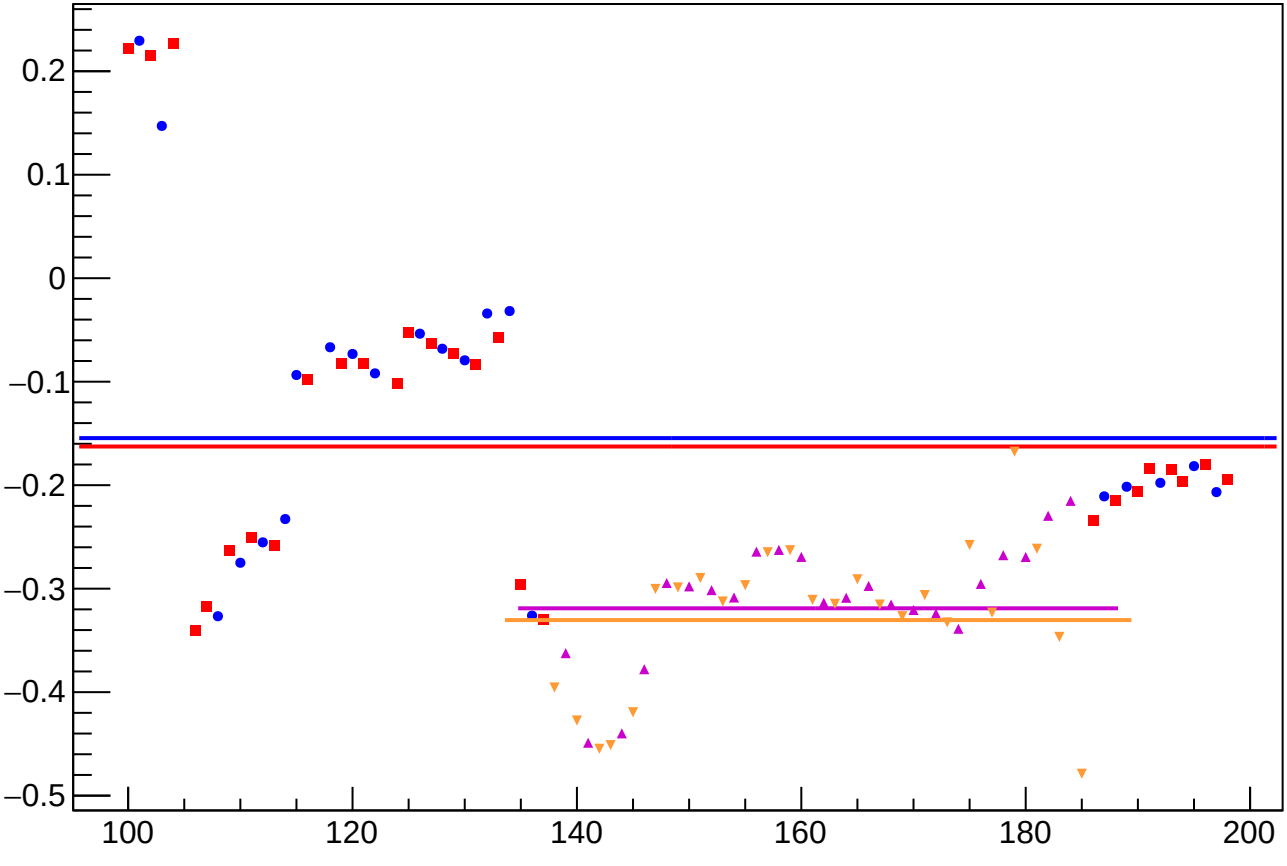
Right: 0.015+/-0.000 χ^2/NDF: 4346236.9/47

In: 0.012+/-0.000 χ^2/NDF:2841616.6/43

Out: 0.013+/-0.000 χ^2/NDF:3748326.4/51

All: 0.013+/-0.000 χ^2/NDF: 6594560.7/95

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.155+/-0.000 χ^2/NDF: 275761394.2/20

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.163+/-0.000 χ^2/NDF: 198311177.9/26

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

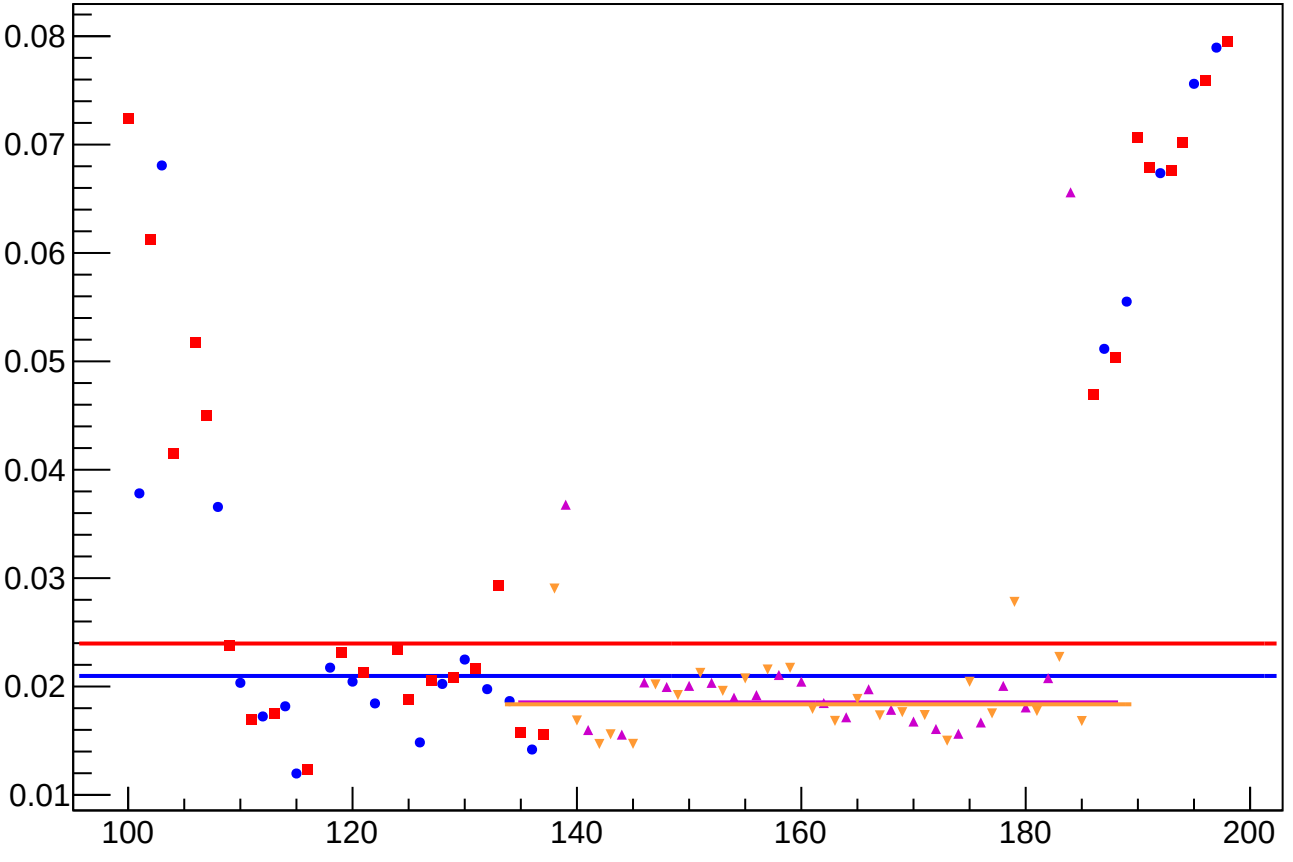
Right: -0.158+/-0.000 χ^2/NDF: 474568469.2/47

In: -0.274+/-0.000 χ^2/NDF:716407973.5/43

Out: -0.290+/-0.000 χ^2/NDF:691308663.4/51

All: -0.282+/-0.000 χ^2/NDF: 1414681765.8/9

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 4683722.7/20

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.024+/-0.000 χ^2/NDF: 6057980.5/26

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

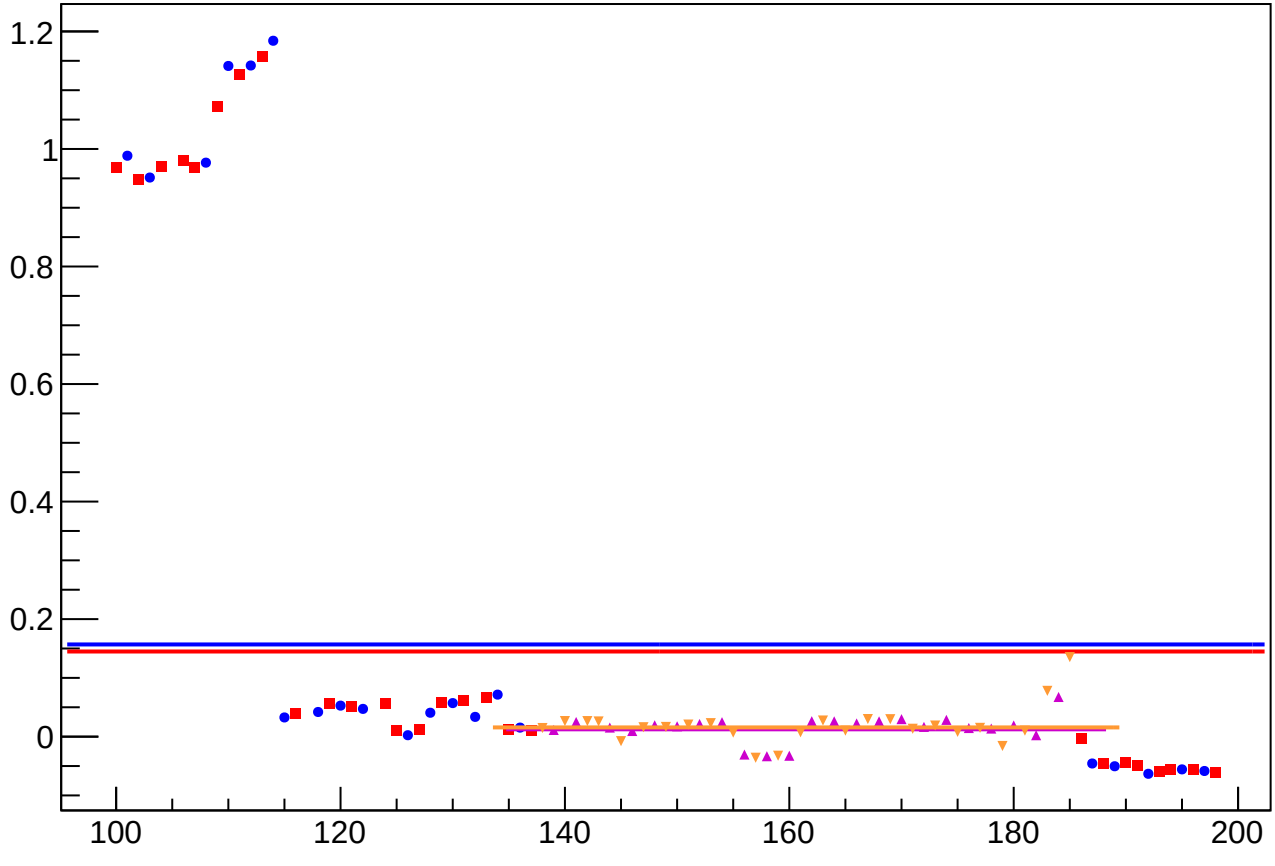
Right: 0.022+/-0.000 χ^2/NDF: 10876921.6/47

In: 0.019+/-0.000 χ^2/NDF:5753794.9/43

Out: 0.020+/-0.000 χ^2/NDF:7489040.7/51

All: 0.019+/-0.000 χ^2/NDF: 13258659.2/95

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.157+/-0.000 χ^2/NDF: 7588493622.1/20

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.145+/-0.000 χ^2/NDF: 8546928263.6/26

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

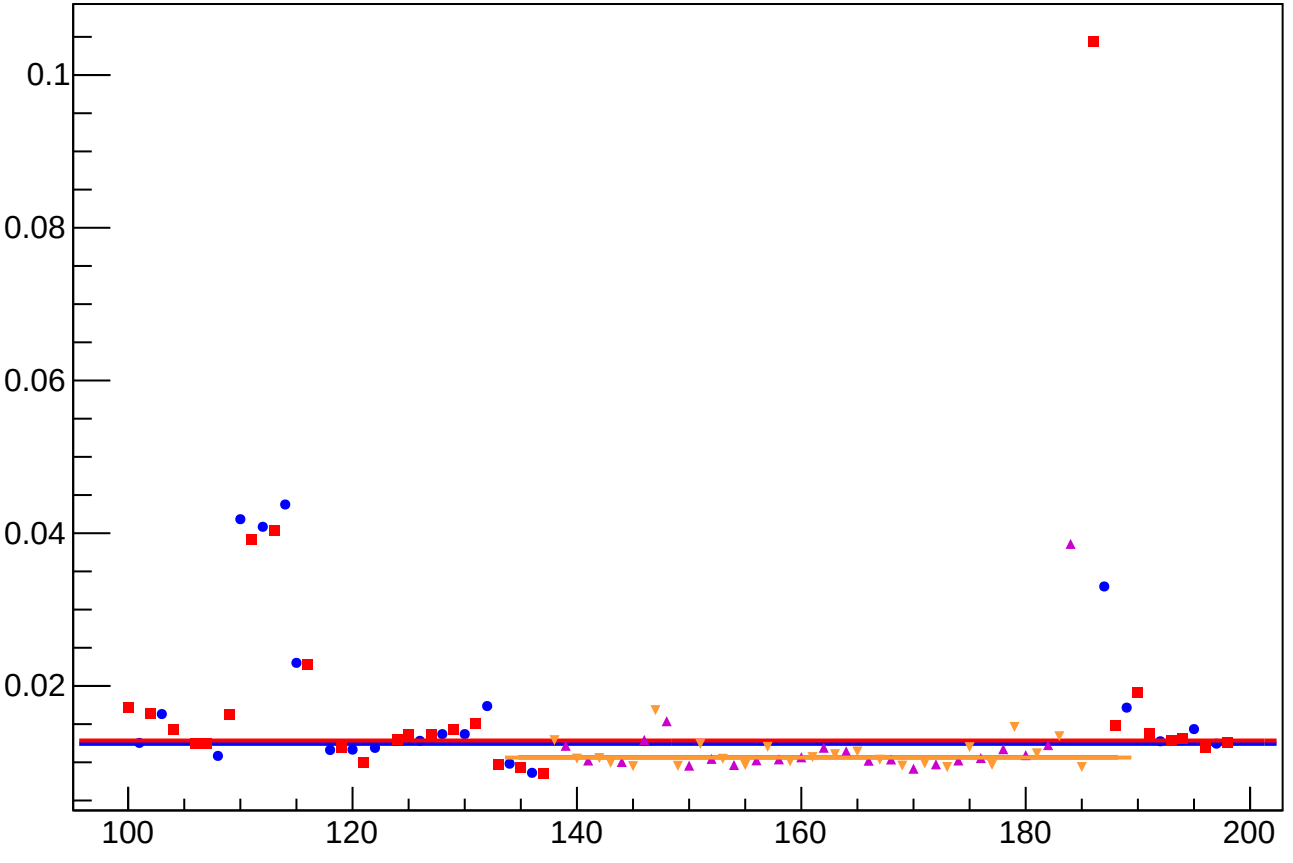
Right: 0.151+/-0.000 χ^2/NDF: 16139894567.6/47

In: 0.053+/-0.000 χ^2/NDF:8528354772.5/43

Out: 0.054+/-0.000 χ^2/NDF:9426503255.7/51

All: 0.053+/-0.000 χ^2/NDF: 17954890235.5/9

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1728320.3/20

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2103792.9/26

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

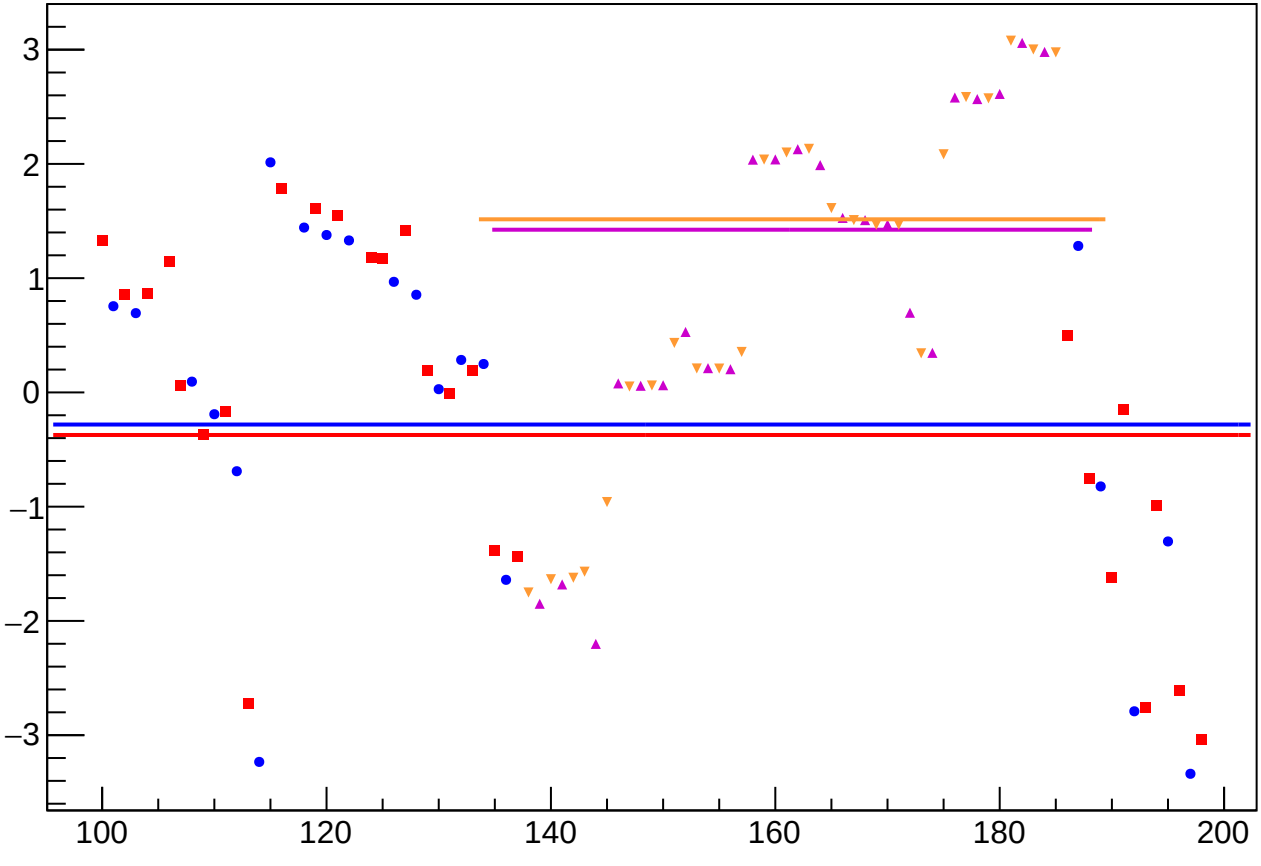
Right: 0.013+/-0.000 χ^2/NDF: 3843906.2/47

In: 0.011+/-0.000 χ^2/NDF:2566531.4/43

Out: 0.011+/-0.000 χ^2/NDF:3188216.7/51

All: 0.011+/-0.000 χ^2/NDF: 5758752.3/95

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: -0.281+/-0.000 χ^2/NDF: 5656642588.9/20

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.373+/-0.000 χ^2/NDF: 6257797293.1/26

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

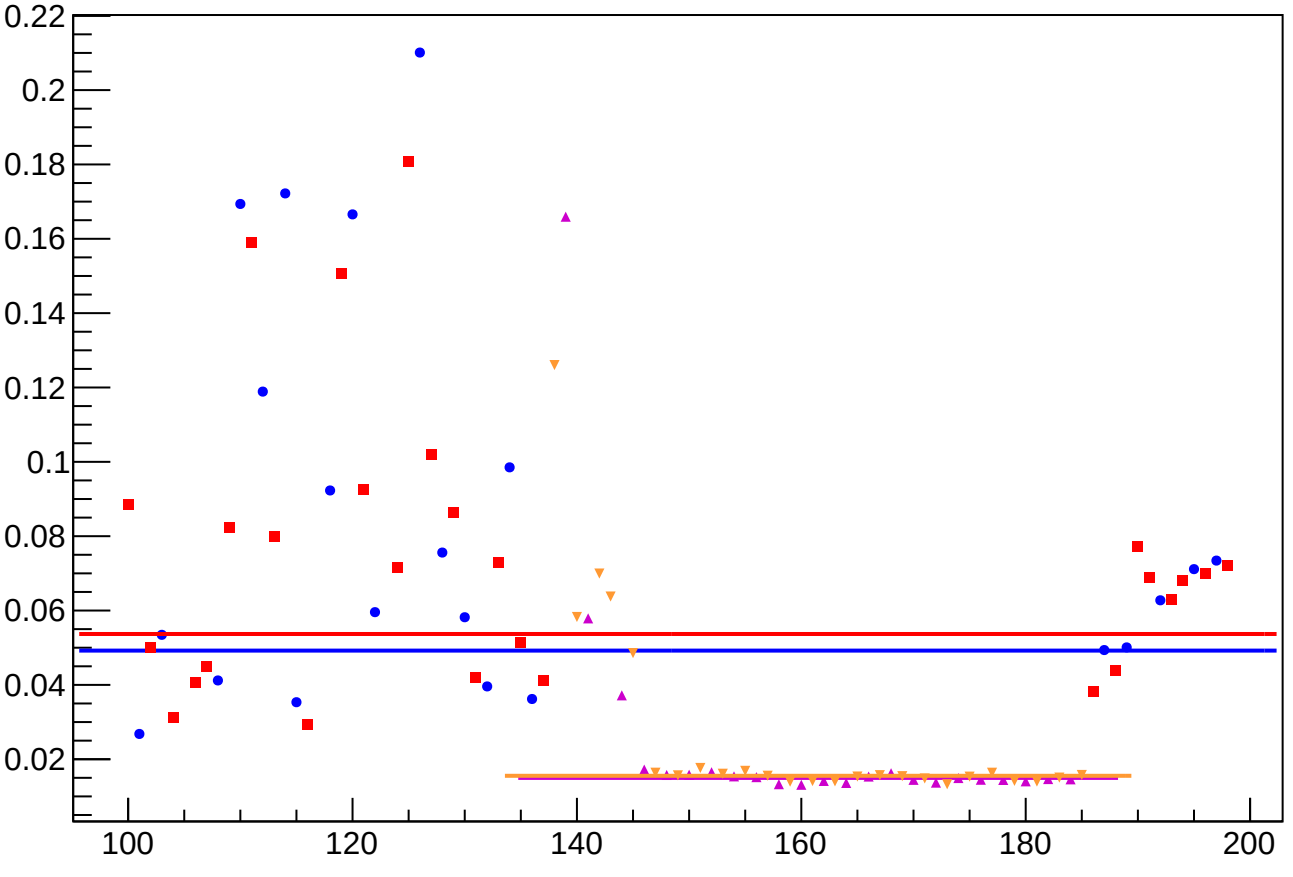
Right: -0.330+/-0.000 χ^2/NDF: 11926784183.4/47

In: 1.351+/-0.000 χ^2/NDF:81426276381.5/43

Out: 1.422+/-0.000 χ^2/NDF:84711861872.2/51

All: 1.386+/-0.000 χ^2/NDF: 166299262445.9

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.049+/-0.000 χ^2/NDF: 3308601.6/20

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

Right Out: 0.054+/-0.000 χ^2/NDF: 2972070.8/26

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

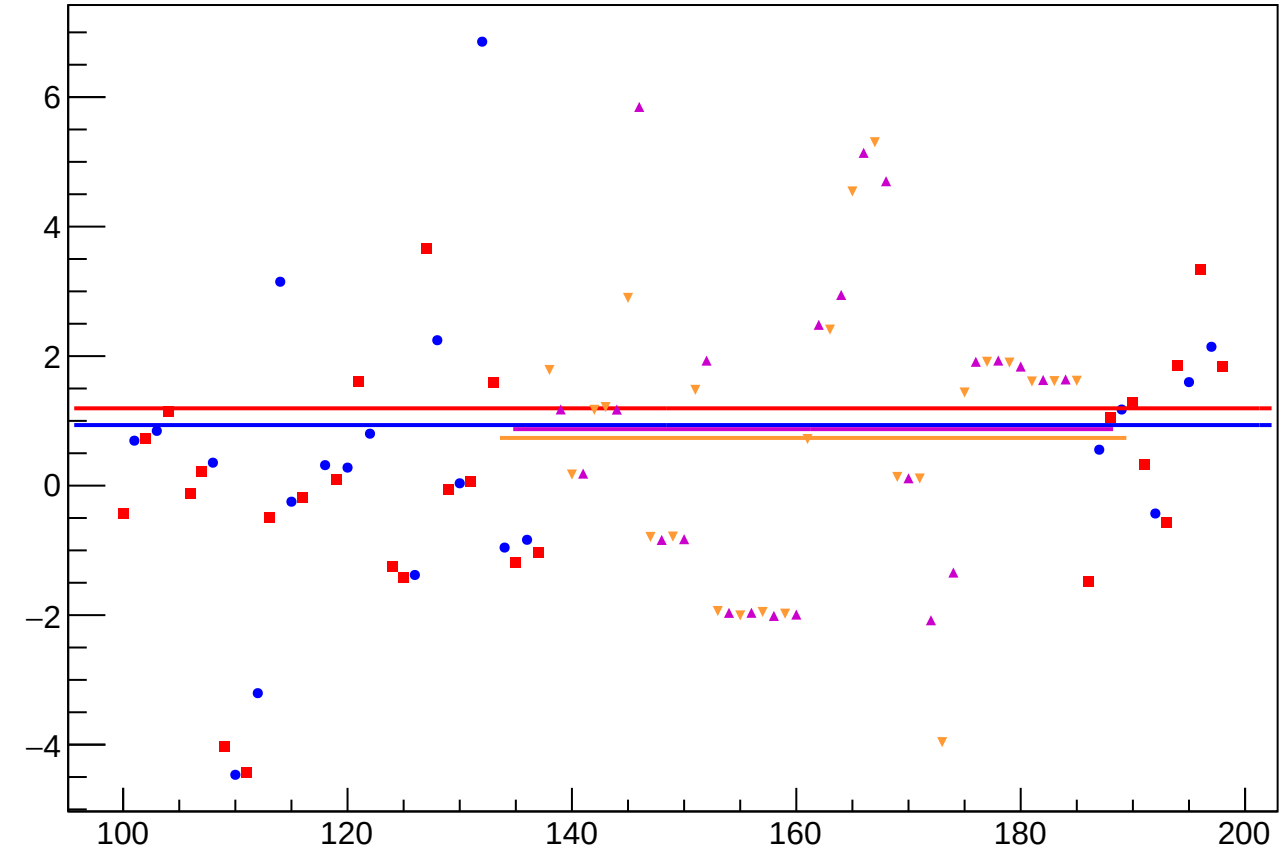
Right: 0.052+/-0.000 χ^2/NDF: 6339576.1/47

In: 0.016+/-0.000 χ^2/NDF:11722531.9/43

Out: 0.017+/-0.000 χ^2/NDF:14665844.0/51

All: 0.017+/-0.000 χ^2/NDF: 26451296.8/95

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.935+/-0.000 χ^2/NDF: 19631976552.8/20

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.194+/-0.000 χ^2/NDF: 25178119498.8/26

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

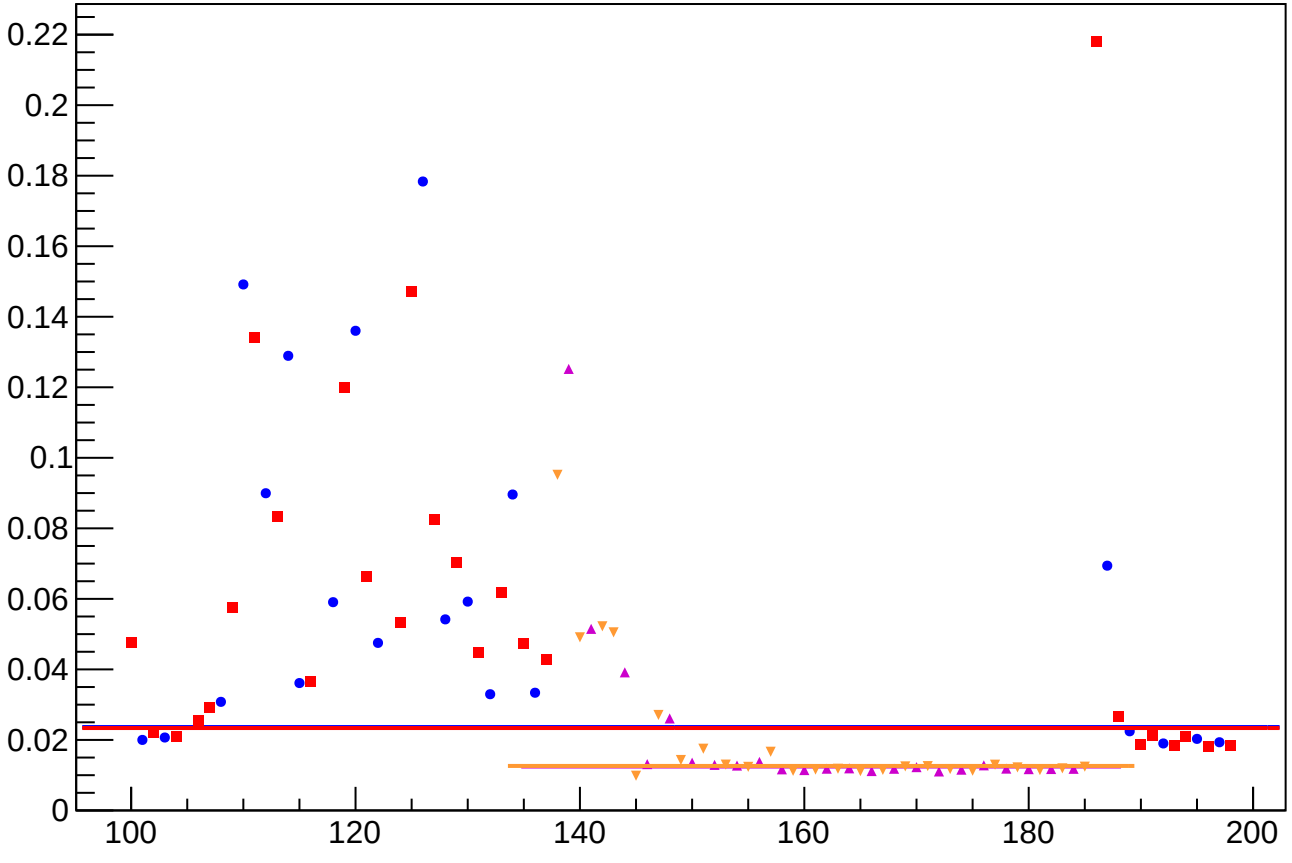
Right: 1.081+/-0.000 χ^2/NDF: 45233070391.9/47

In: 0.879+/-0.000 χ^2/NDF:639832729927.6/43

Out: 0.795+/-0.000 χ^2/NDF:563786749503.1/51

All: 0.836+/-0.000 χ^2/NDF: 1204014013970.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.024+/-0.000 χ^2/NDF: 3844708.5/20

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.023+/-0.000 χ^2/NDF: 4971747.4/26

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

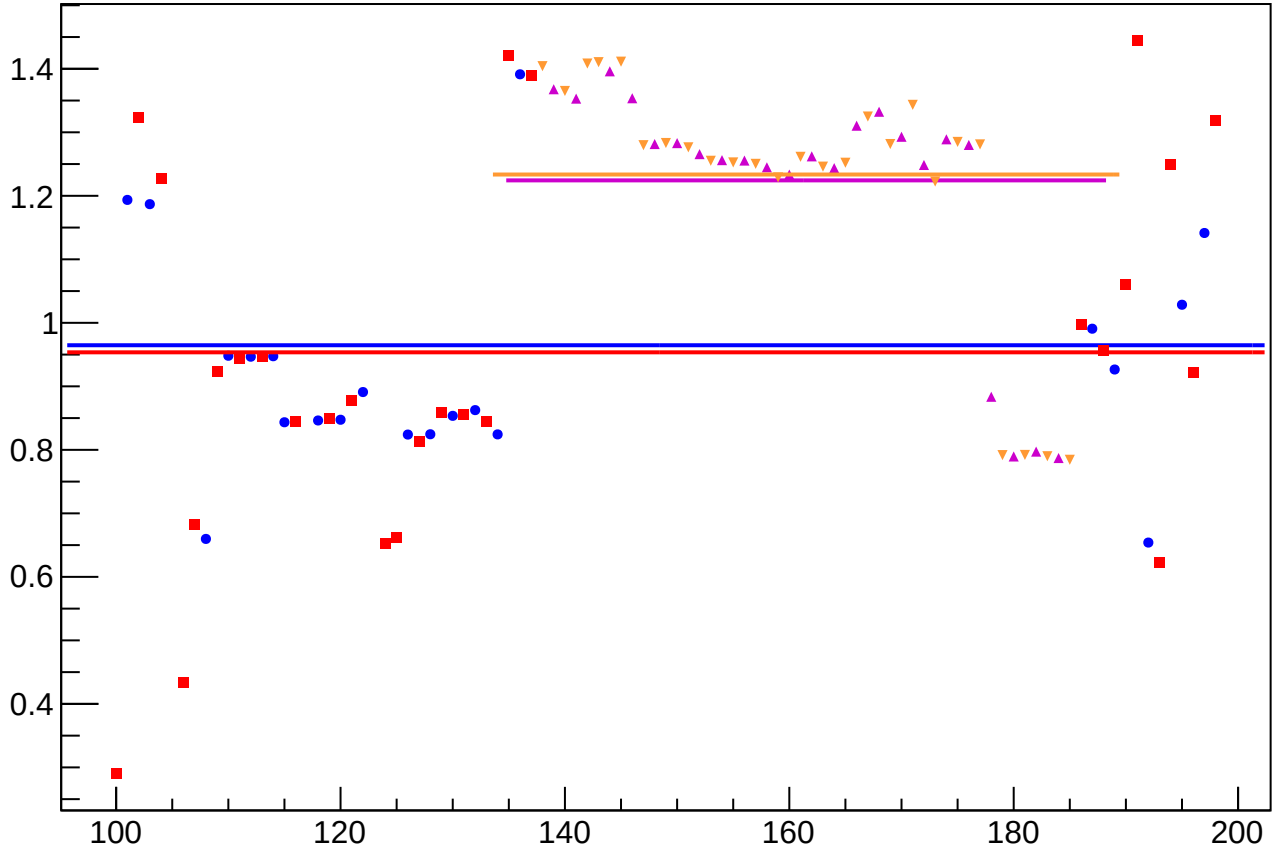
Right: 0.023+/-0.000 χ^2/NDF: 8817453.1/47

In: 0.014+/-0.000 χ^2/NDF:9121138.7/43

Out: 0.014+/-0.000 χ^2/NDF:11086547.8/51

All: 0.014+/-0.000 χ^2/NDF: 20225639.9/95

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.965+/-0.000 χ^2/NDF: 1602707562.7/20

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.954+/-0.000 χ^2/NDF: 2000700274.4/26

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

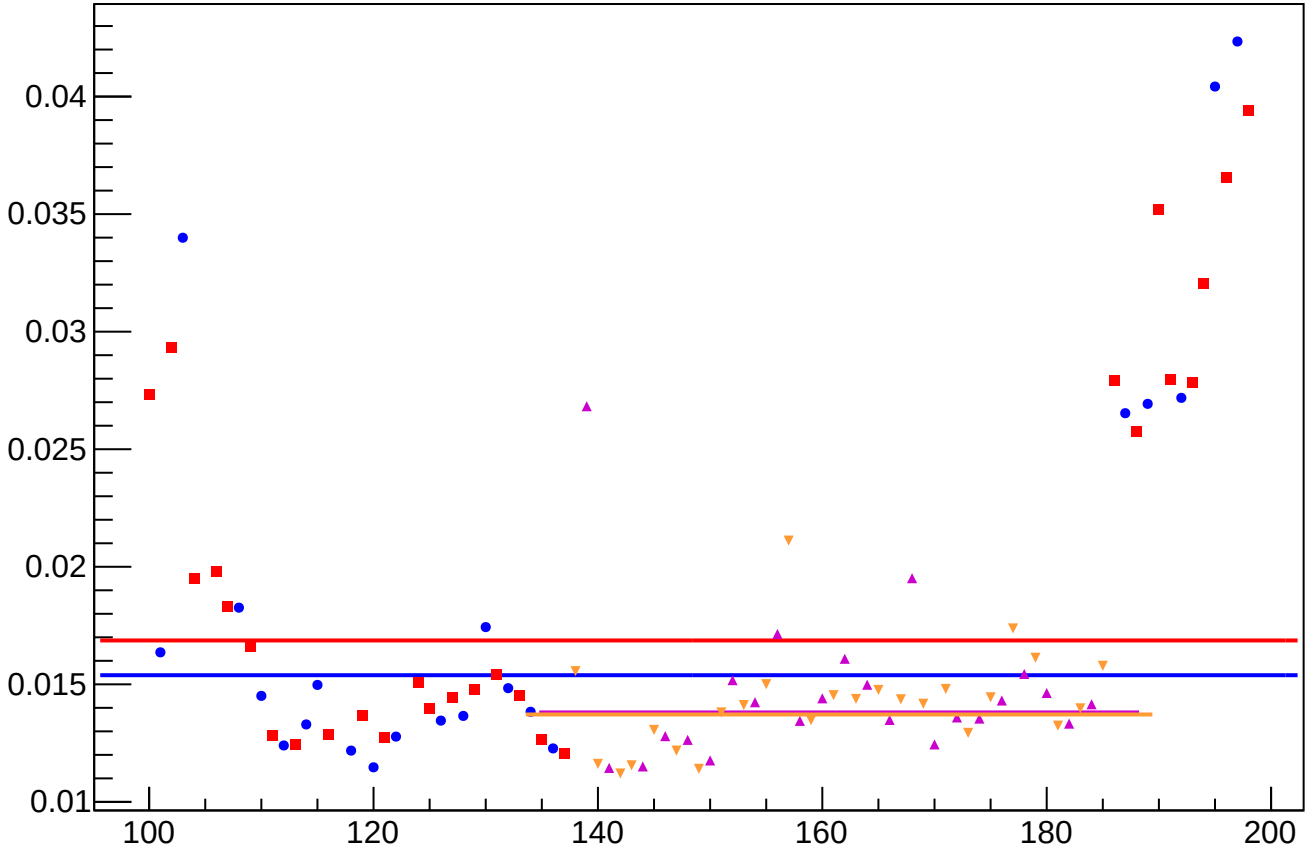
Right: 0.959+/-0.000 χ^2/NDF: 3605631338.3/47

In: 1.148+/-0.000 χ^2/NDF:5945169509.7/43

Out: 1.154+/-0.000 χ^2/NDF:7057138704.3/51

All: 1.151+/-0.000 χ^2/NDF: 13004400822.8/9

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 2580093.8/20

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.017+/-0.000 χ^2/NDF: 3068173.0/26

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

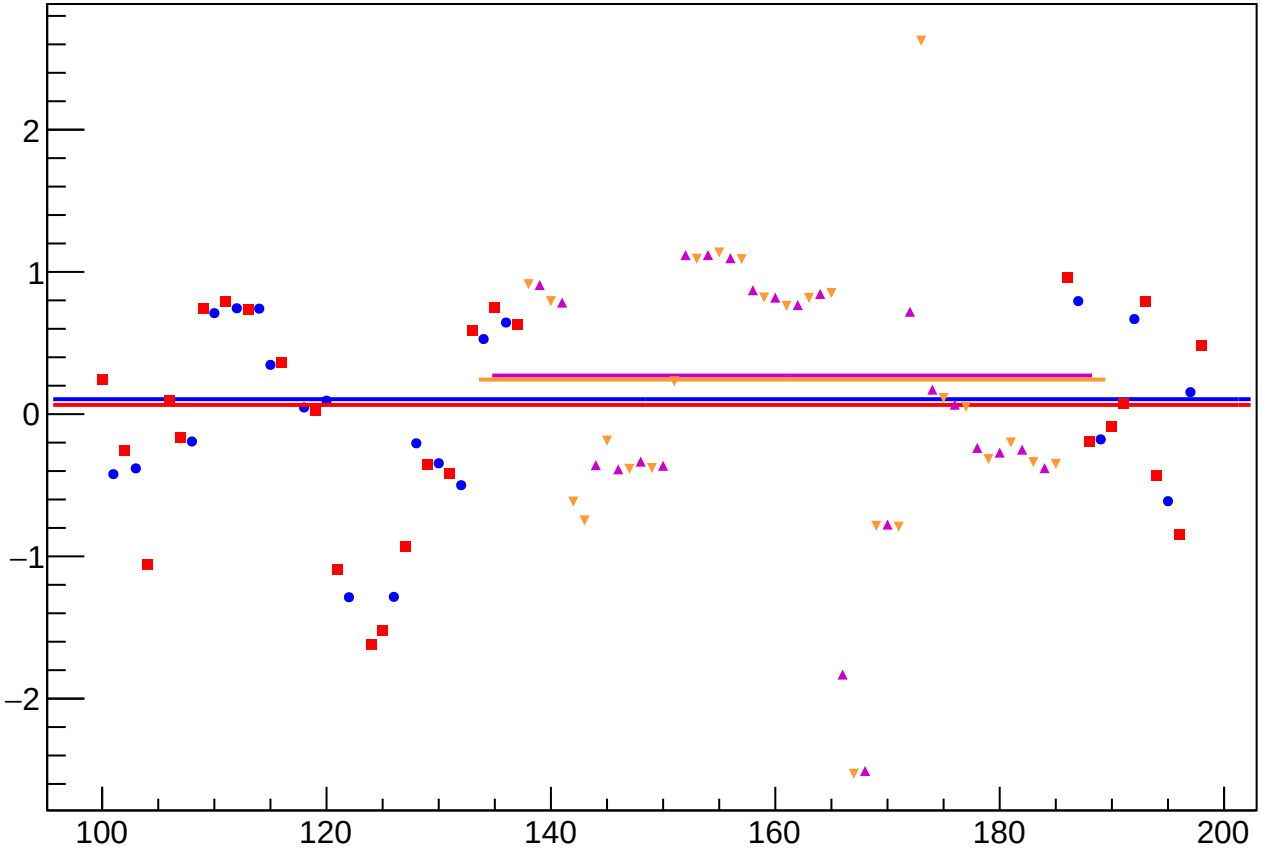
Right: 0.016+/-0.000 χ^2/NDF: 5726240.9/47

In: 0.014+/-0.000 χ^2/NDF:3575914.0/43

Out: 0.015+/-0.000 χ^2/NDF:4127986.1/51

All: 0.014+/-0.000 χ^2/NDF: 7718506.8/95

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.105+/-0.000 χ^2/NDF: 16872480422.2/20

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.065+/-0.000 χ^2/NDF: 28522878738.3/26

Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

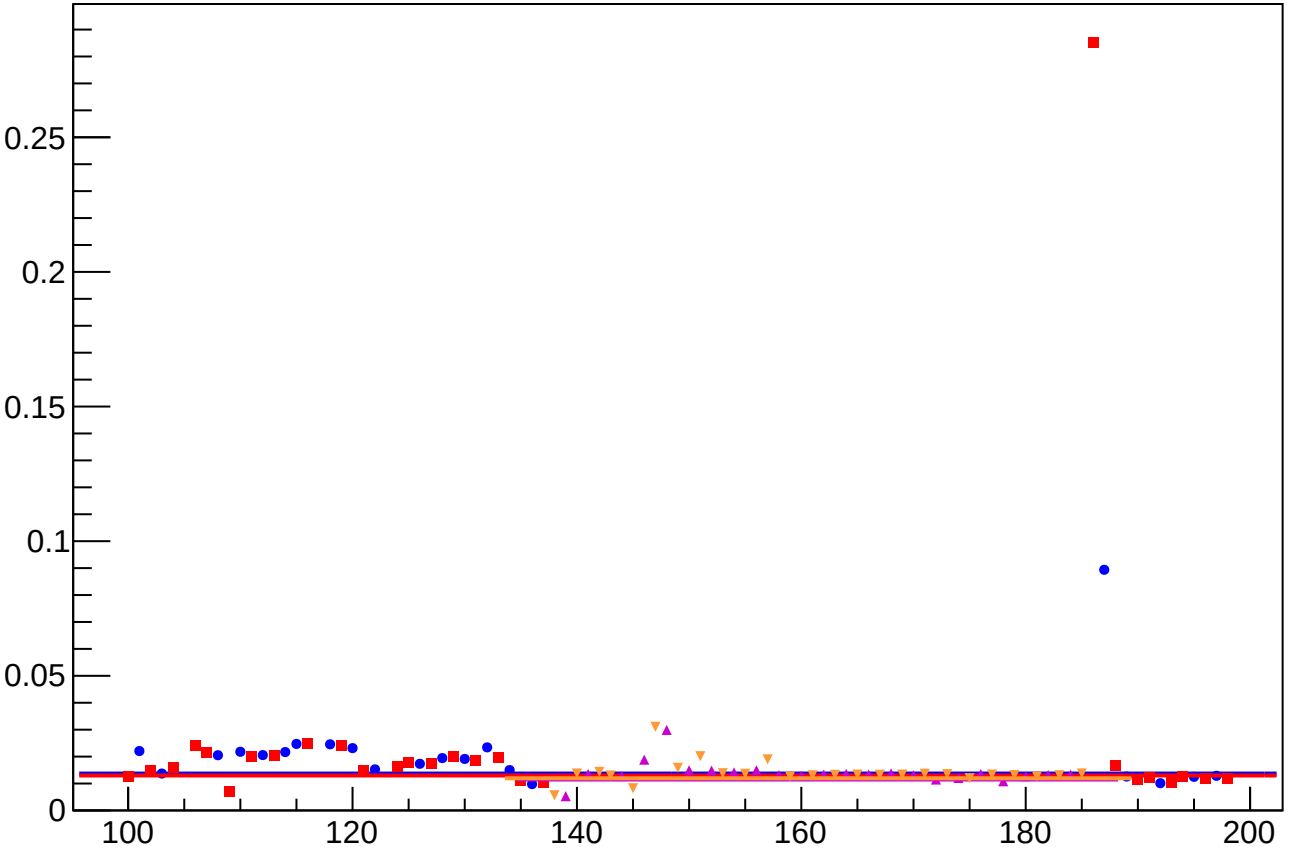
Right: 0.082+/-0.000 χ^2/NDF: 45437488027.4/47

In: 0.225+/-0.000 χ^2/NDF:108288091176.7/43

Out: 0.183+/-0.000 χ^2/NDF:135378752290.2/51

All: 0.203+/-0.000 χ^2/NDF: 243815206349.4

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1965741.3/20

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2658209.3/26

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

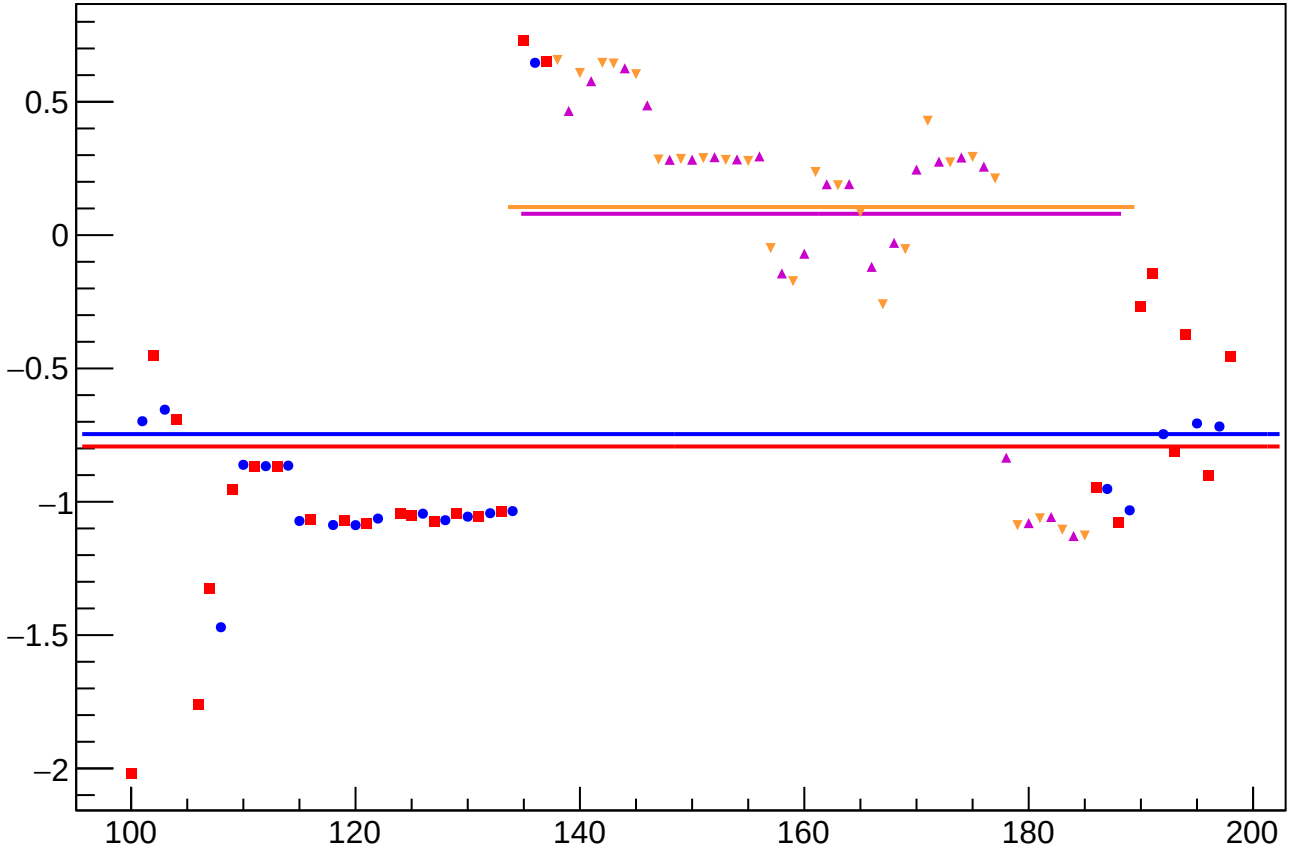
Right: 0.013+/-0.000 χ^2/NDF: 4650546.9/47

In: 0.012+/-0.000 χ^2/NDF:5962964.9/43

Out: 0.012+/-0.000 χ^2/NDF:6010900.8/51

All: 0.012+/-0.000 χ^2/NDF: 11980072.0/95

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.746+/-0.000 χ^2/NDF: 2087569832.3/20

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.793+/-0.000 χ^2/NDF: 1985281167.1/26

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

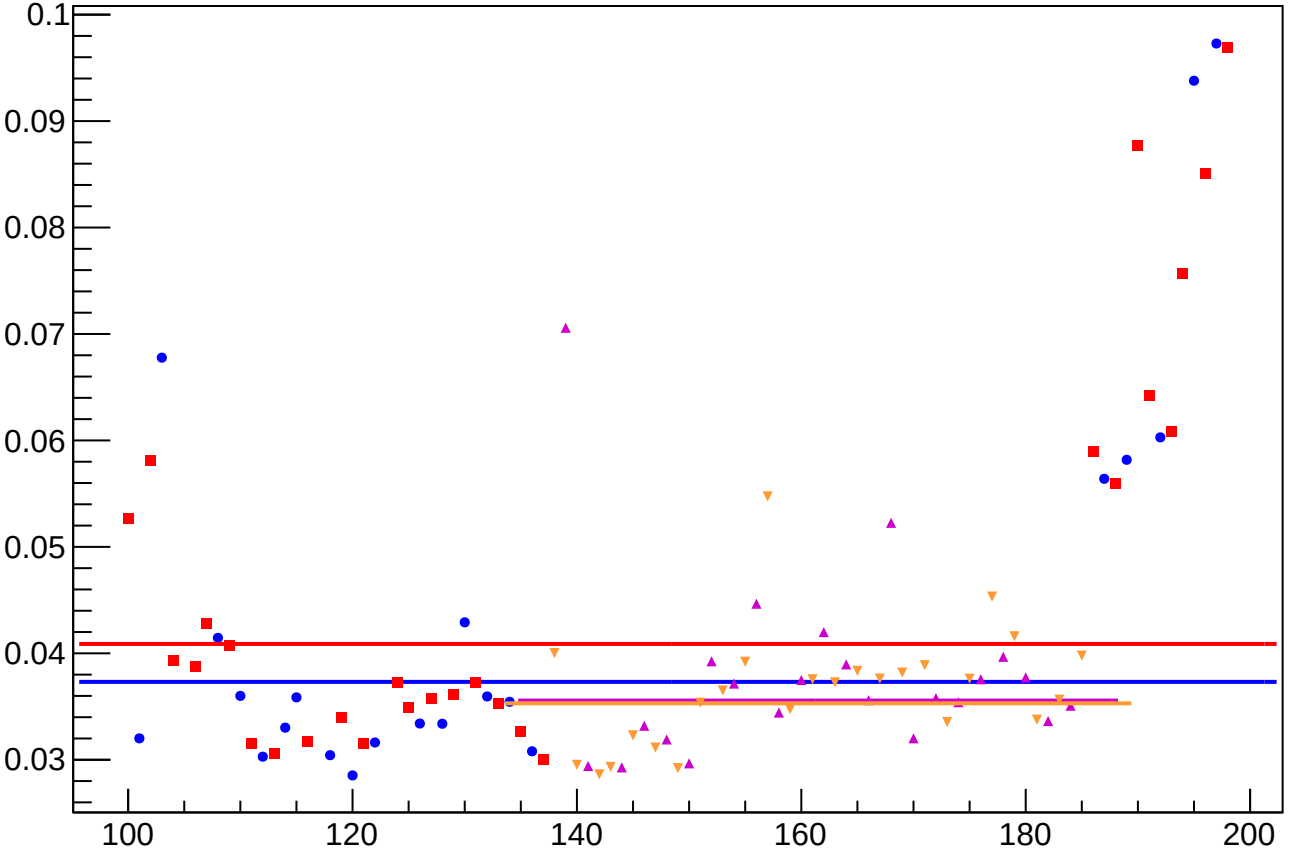
Right: -0.769+/-0.000 χ^2/NDF: 4079554563.8/47

In: -0.190+/-0.000 χ^2/NDF:8199578063.7/43

Out: -0.178+/-0.000 χ^2/NDF:9206995674.9/51

All: -0.184+/-0.000 χ^2/NDF: 17408046134.6/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.037+/-0.000 χ^2/NDF: 2182366.9/20

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.041+/-0.000 χ^2/NDF: 2540966.8/26

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

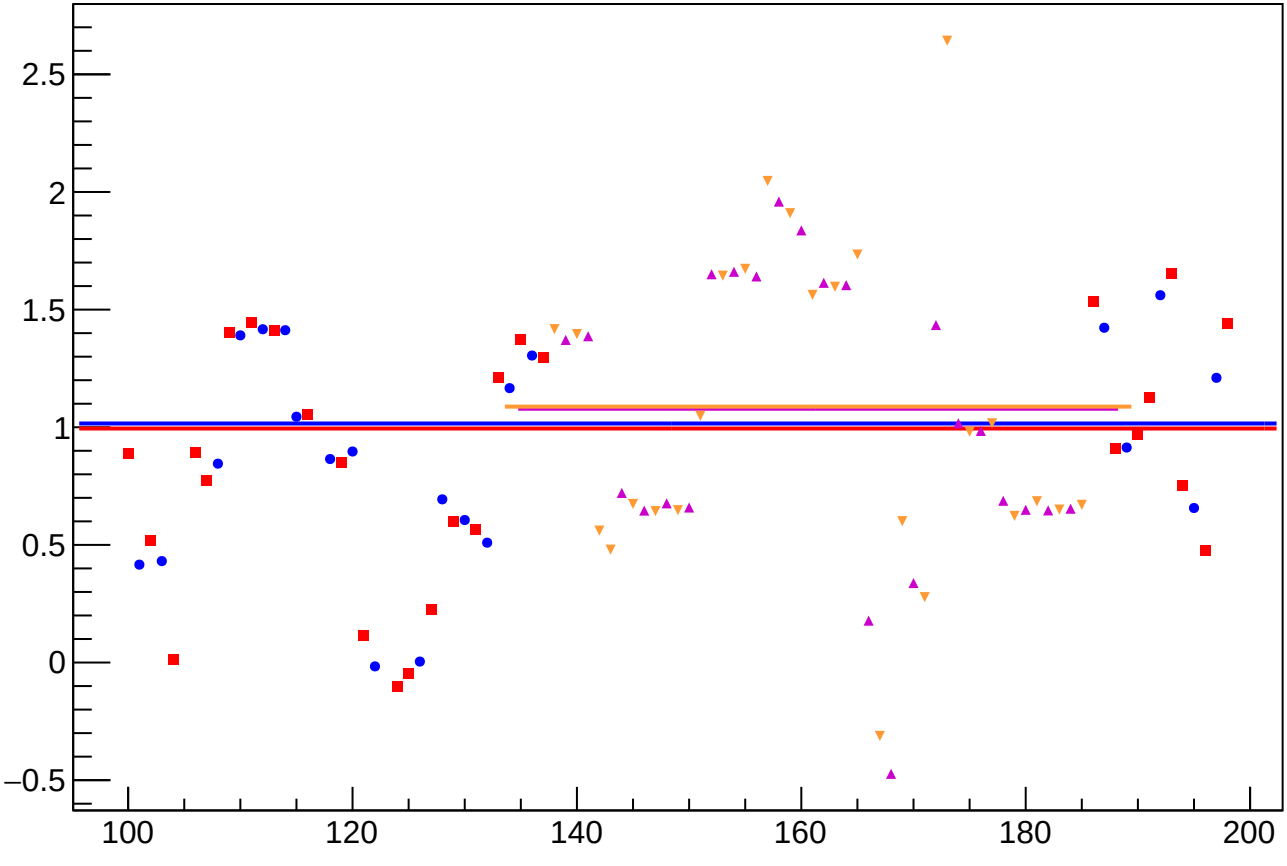
Right: 0.039+/-0.000 χ^2/NDF: 4802124.0/47

In: 0.036+/-0.000 χ^2/NDF:3168407.7/43

Out: 0.037+/-0.000 χ^2/NDF:3418567.9/51

All: 0.037+/-0.000 χ^2/NDF: 6603547.7/95

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 1.016+/-0.000 χ^2/NDF: 20600506572.6/20

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.995+/-0.000 χ^2/NDF: 30370798631.6/26

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

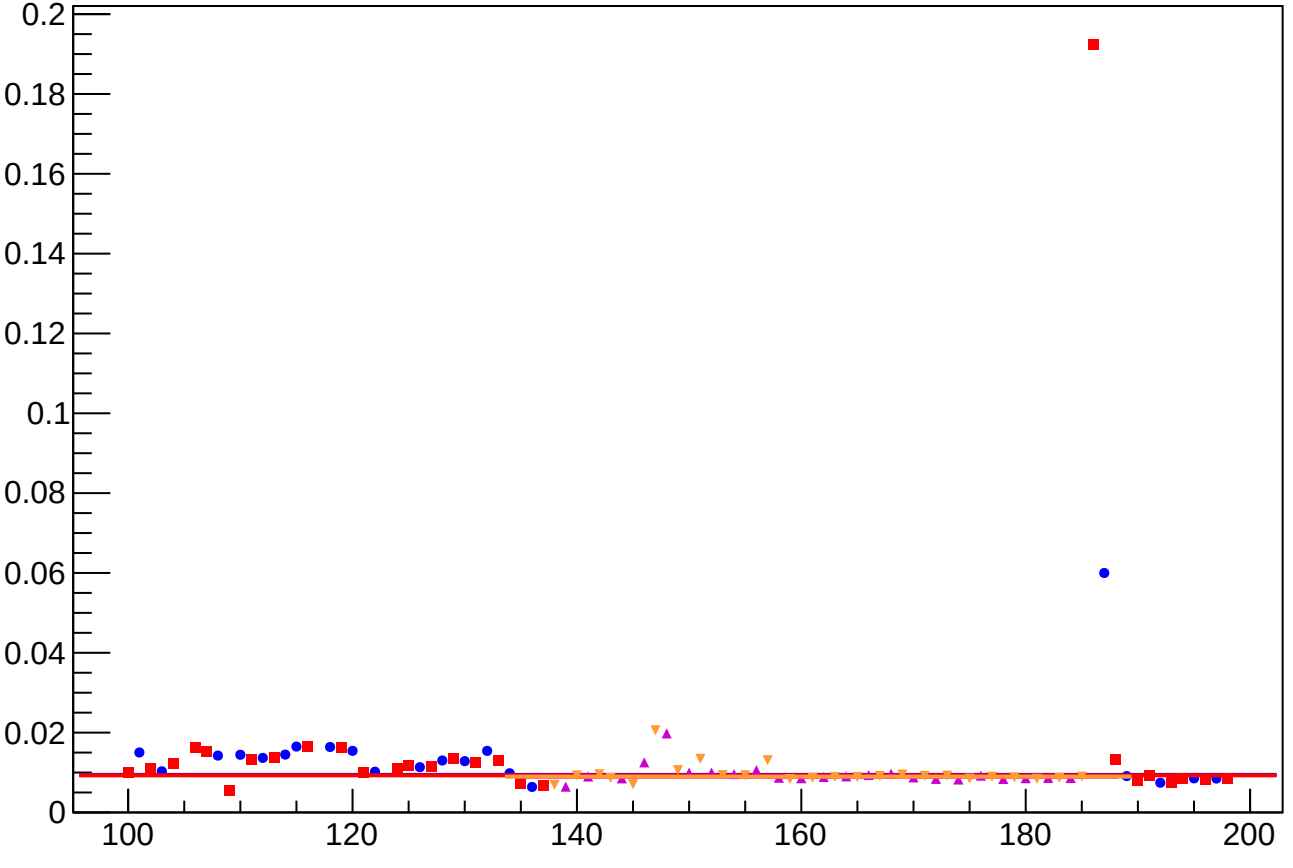
Right: 1.004+/-0.000 χ^2/NDF: 50996032714.0/47

In: 1.059+/-0.000 χ^2/NDF:94948173685.5/43

Out: 1.055+/-0.000 χ^2/NDF:124899180774.0/51

All: 1.057+/-0.000 χ^2/NDF: 219849261436.0

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 1866714.7/20

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2371647.6/26

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

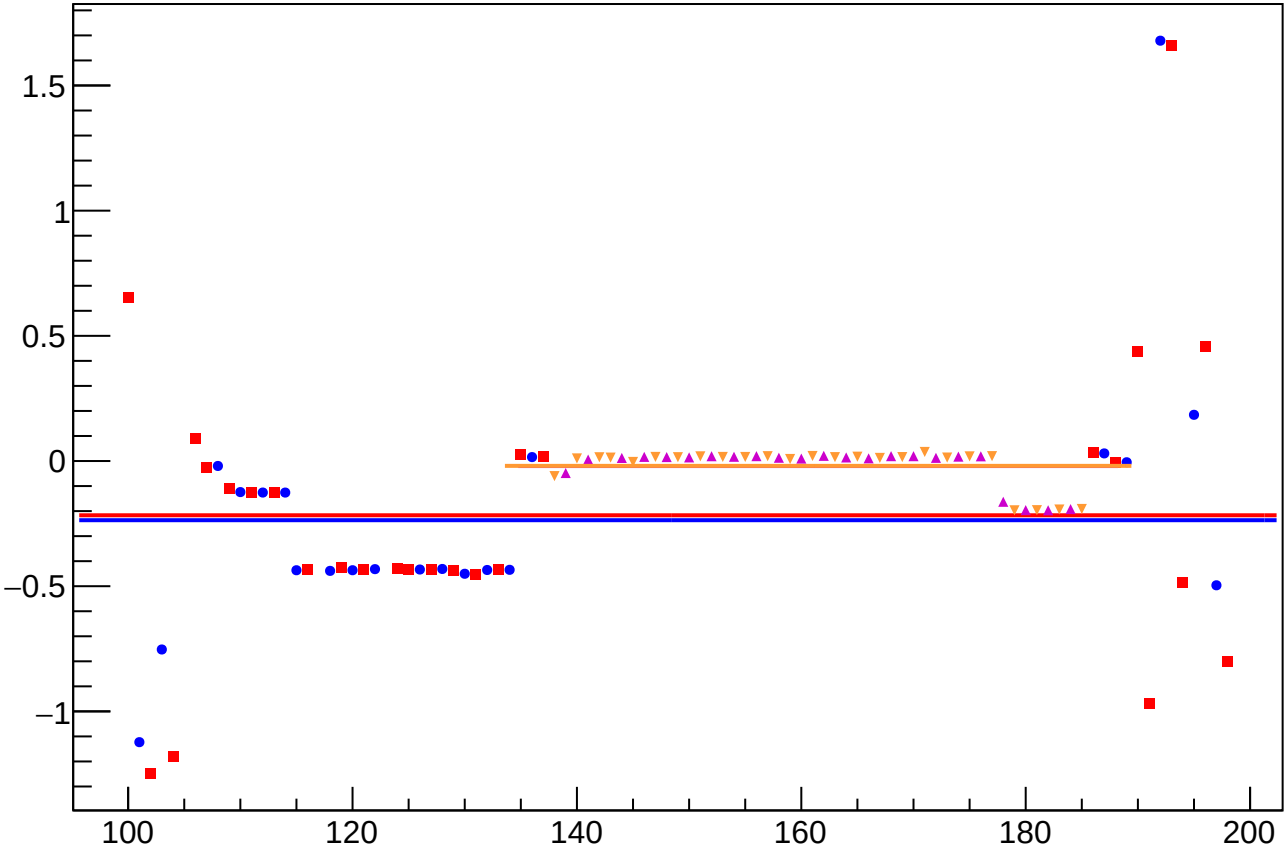
Right: 0.009+/-0.000 χ^2/NDF: 4239602.0/47

In: 0.009+/-0.000 χ^2/NDF:2862292.6/43

Out: 0.009+/-0.000 χ^2/NDF:3535098.7/51

All: 0.009+/-0.000 χ^2/NDF: 6397408.6/95

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.236+/-0.000 χ^2/NDF: 3028033751.0/20

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.217+/-0.000 χ^2/NDF: 2737113219.2/26

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

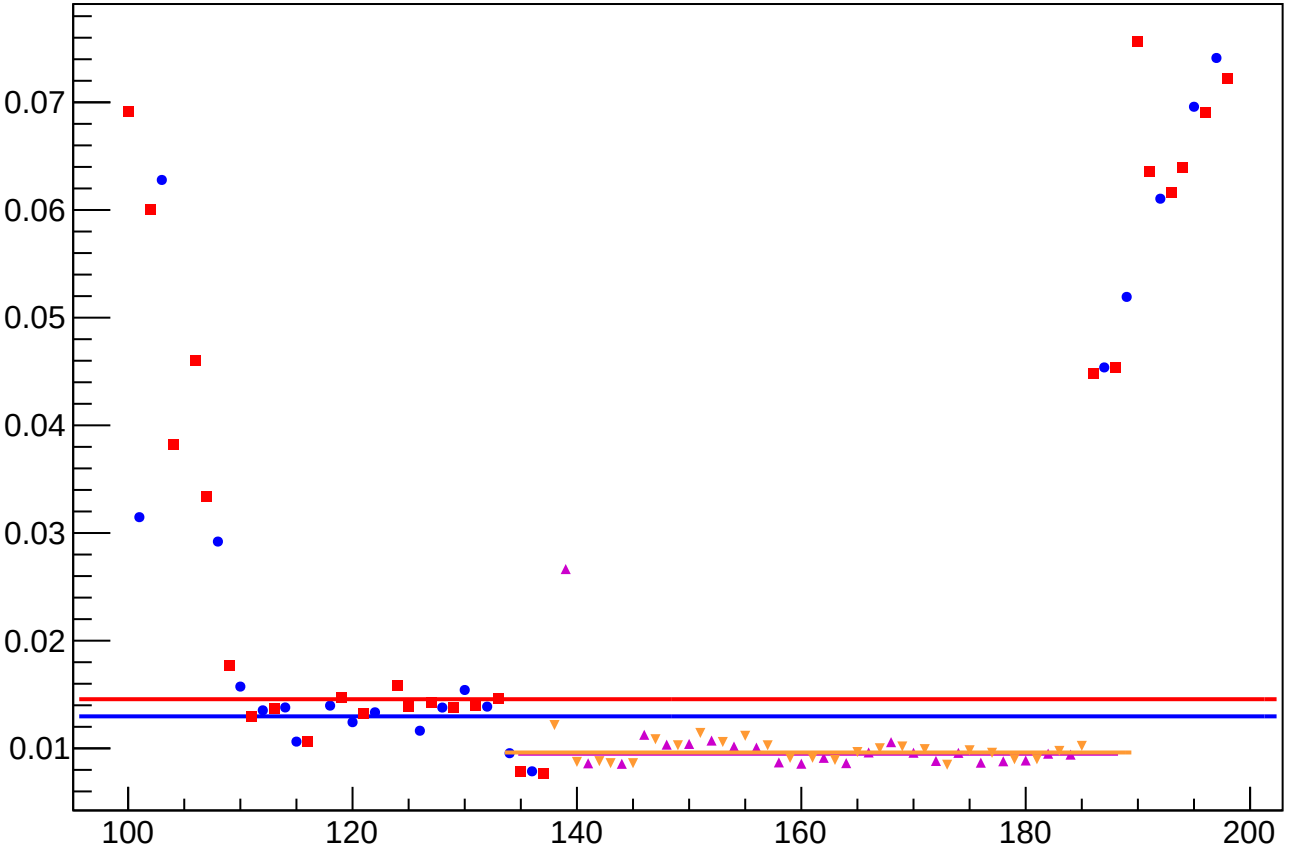
Right: -0.227+/-0.000 χ^2/NDF: 5771879082.2/47

In: -0.058+/-0.000 χ^2/NDF:5411637854.5/43

Out: -0.050+/-0.000 χ^2/NDF:4885958915.6/51

All: -0.054+/-0.000 χ^2/NDF: 10304146228.2/

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 6104451.3/20

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 8308400.2/26

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

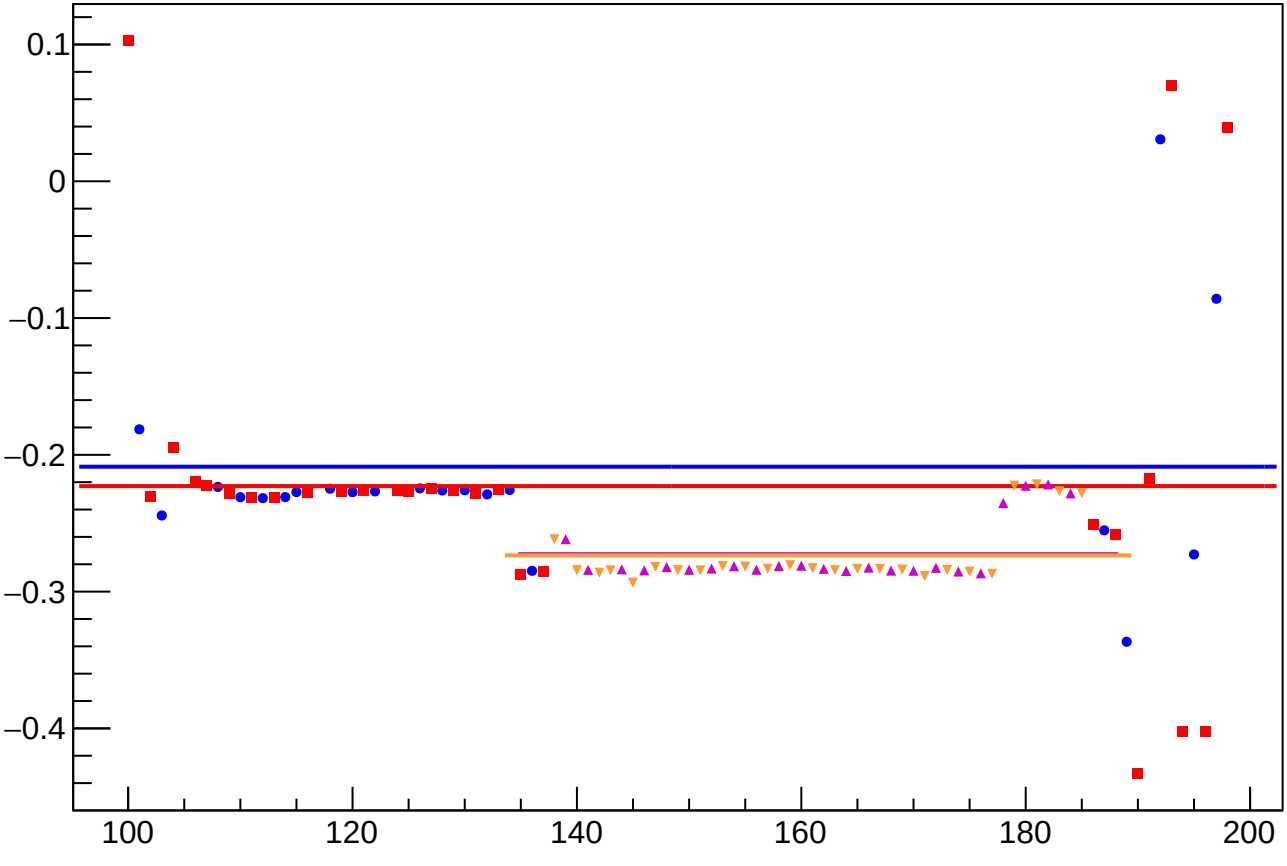
Right: 0.014+/-0.000 χ^2/NDF: 14500894.2/47

In: 0.010+/-0.000 χ^2/NDF:7726731.9/43

Out: 0.010+/-0.000 χ^2/NDF:9951039.2/51

All: 0.010+/-0.000 χ^2/NDF: 17694453.2/95

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.209+/-0.000 χ^2/NDF: 2586390724.0/20

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.223+/-0.000 χ^2/NDF: 5774470089.5/26

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

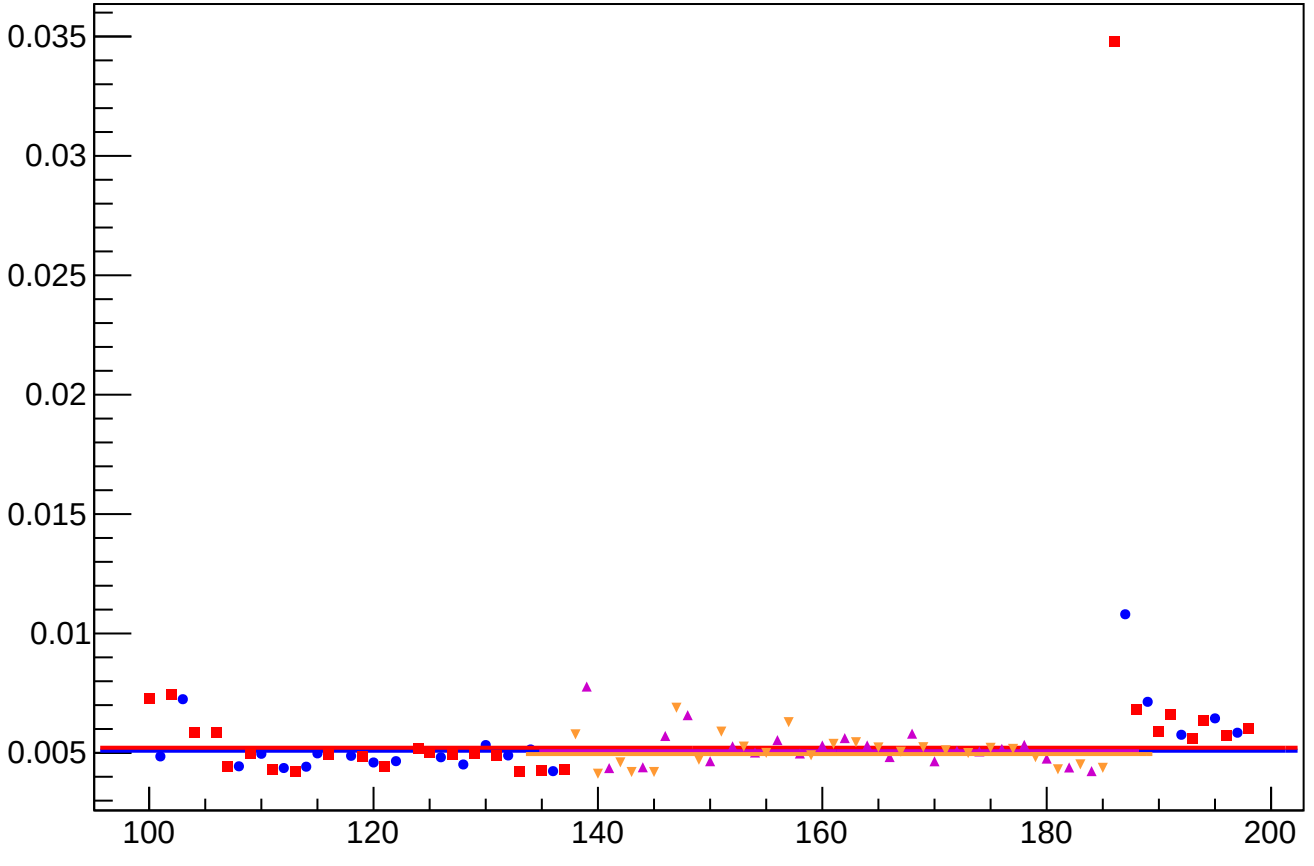
Right: -0.216+/-0.000 χ^2/NDF: 8399896531.2/47

In: -0.250+/-0.000 χ^2/NDF:3887659627.7/43

Out: -0.255+/-0.000 χ^2/NDF:6852445041.3/51

All: -0.253+/-0.000 χ^2/NDF: 10755174766.4/

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 555579.2/20

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1179741.5/26

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

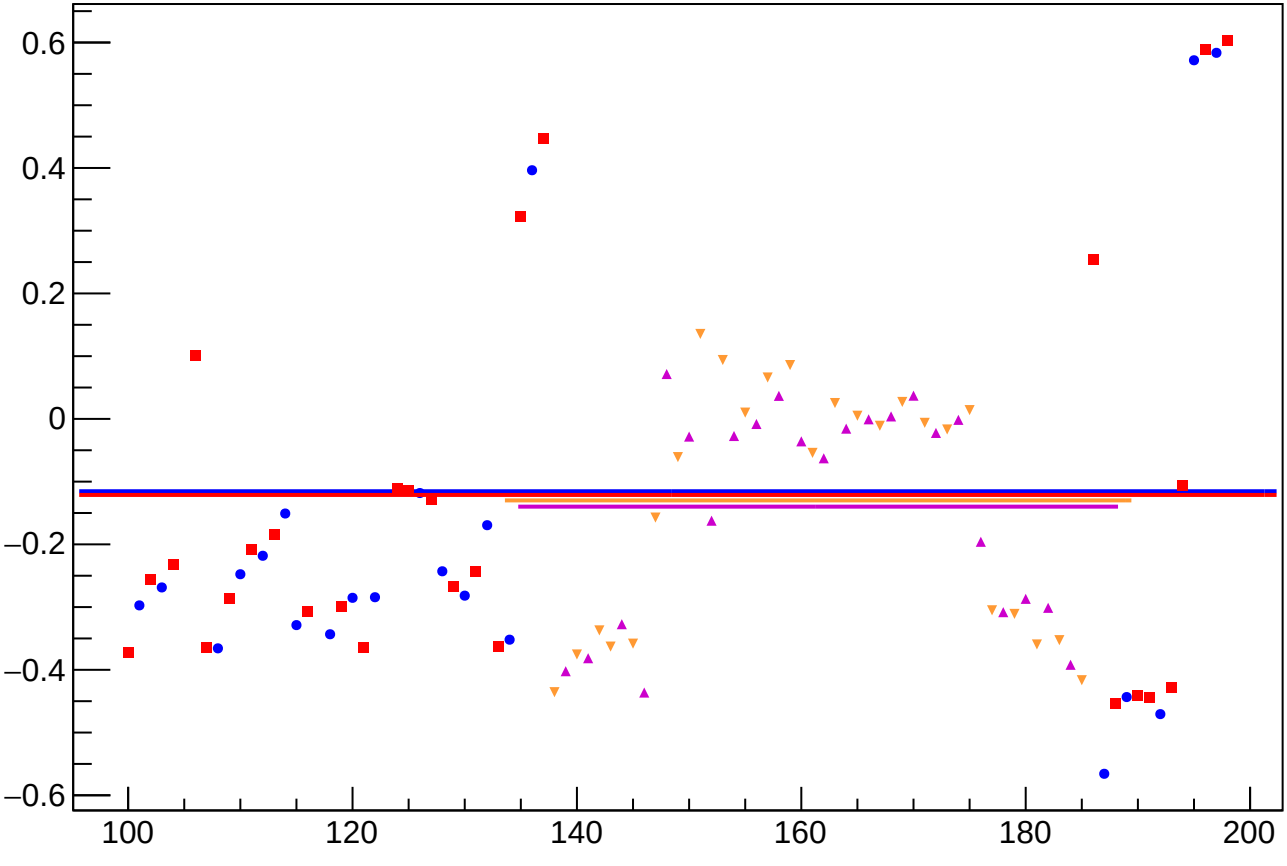
Right: 0.005+/-0.000 χ^2/NDF: 1741492.0/47

In: 0.005+/-0.000 χ^2/NDF:1095227.3/43

Out: 0.005+/-0.000 χ^2/NDF:1746036.1/51

All: 0.005+/-0.000 χ^2/NDF: 2842182.3/95

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.115+/-0.000 χ^2/NDF: 30134346493.7/20

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: -0.121+/-0.000 χ^2/NDF: 31285709941.2/26

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

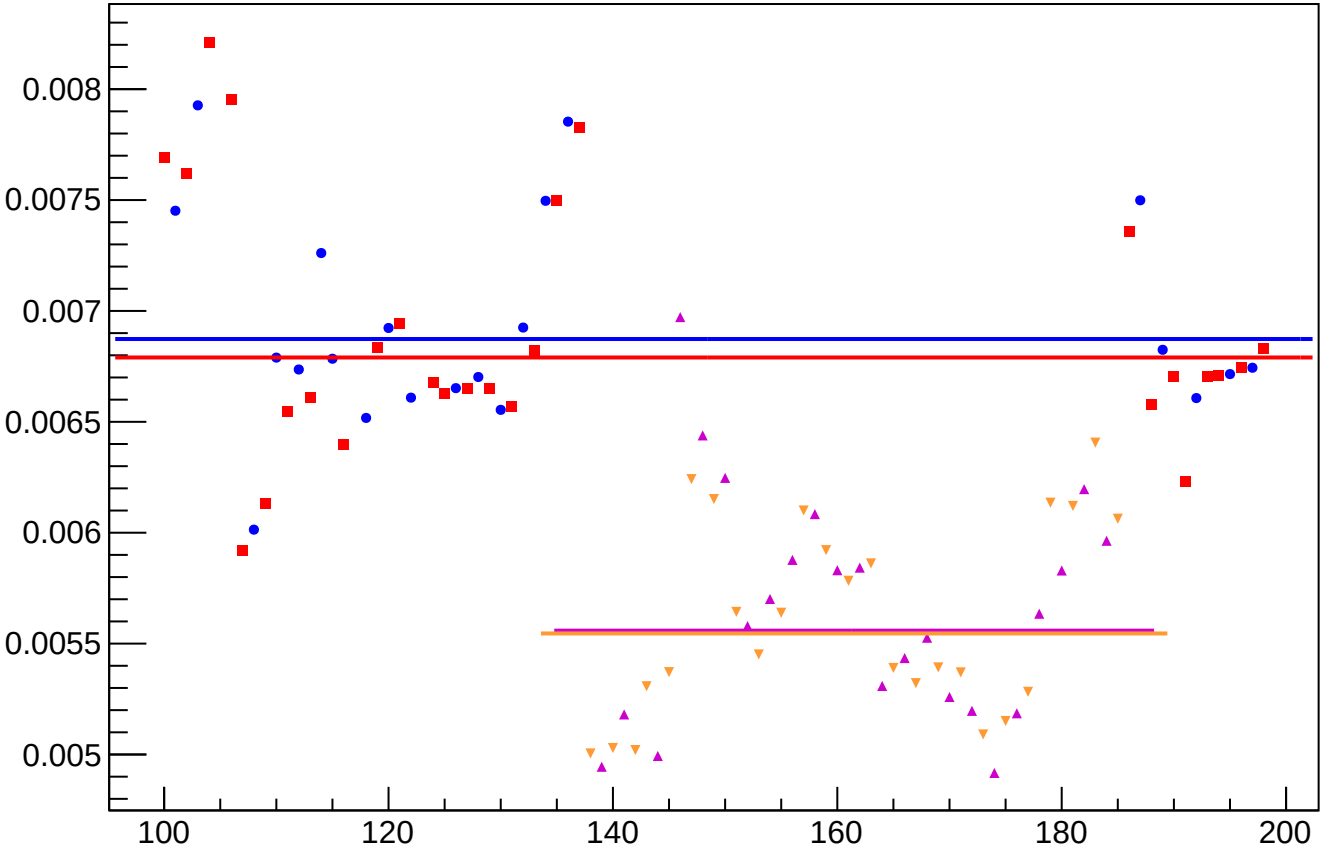
Right: -0.119+/-0.000 χ^2/NDF: 61424278605.9/47

In: -0.133+/-0.000 χ^2/NDF:45378332686.5/43

Out: -0.127+/-0.000 χ^2/NDF:52796086677.3/51

All: -0.130+/-0.000 χ^2/NDF: 98187863457.0/

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 93808.1/20

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 112187.6/26

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

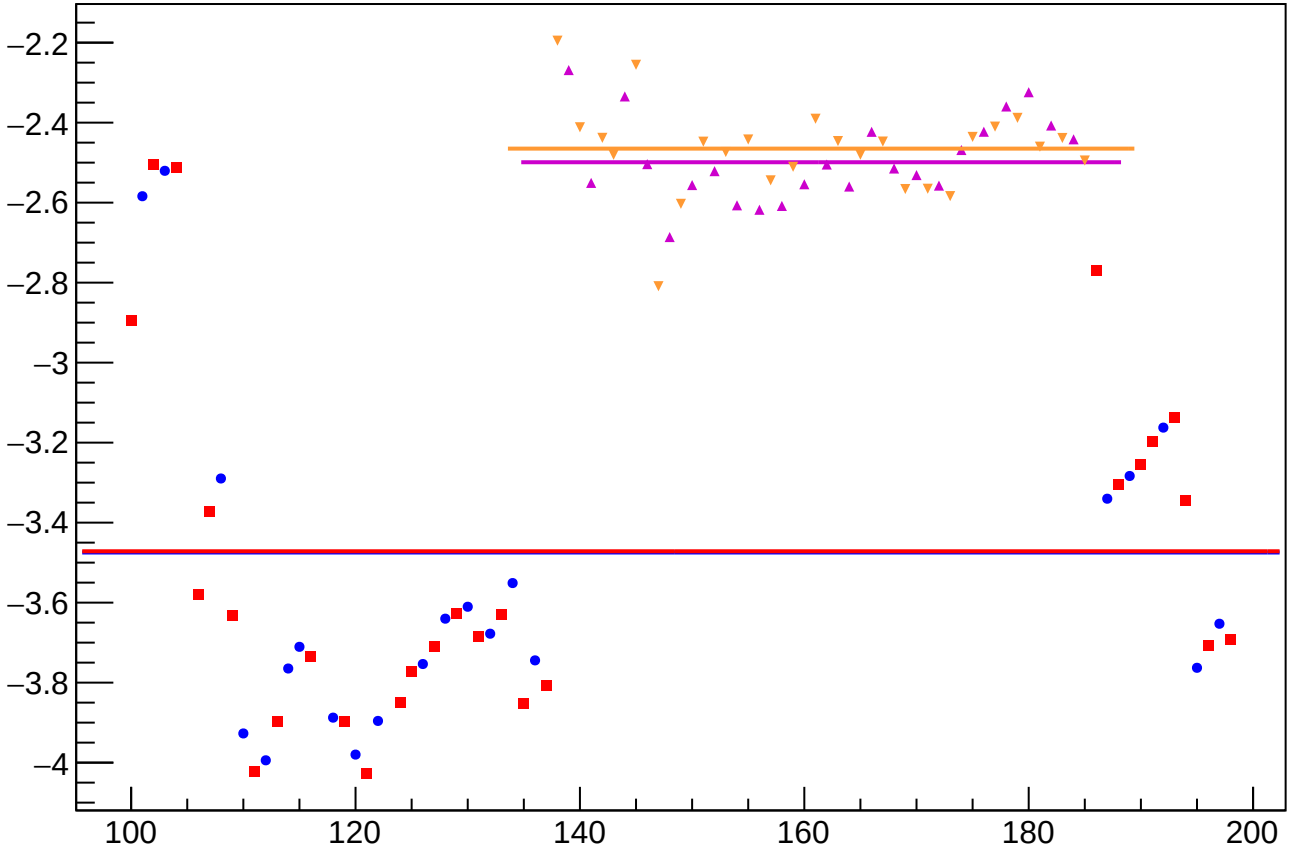
Right: 0.007+/-0.000 χ^2/NDF: 207682.0/47

In: 0.006+/-0.000 χ^2/NDF:901432.0/43

Out: 0.006+/-0.000 χ^2/NDF:890793.4/51

All: 0.006+/-0.000 χ^2/NDF: 1792237.9/95

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.475+/-0.000 χ^2/NDF: 31185806447.7/20

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.472+/-0.000 χ^2/NDF: 33232938434.6/26

Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

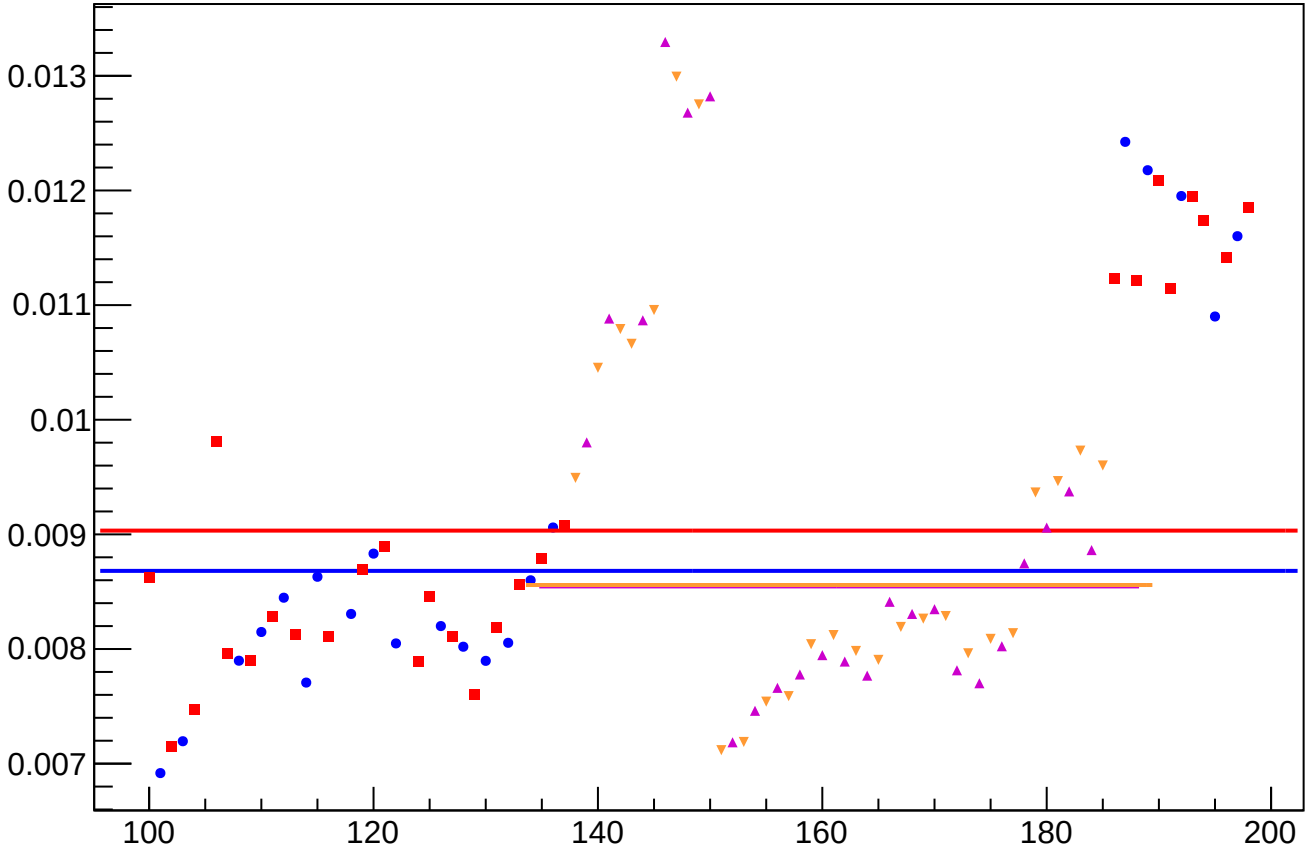
Right: -3.473+/-0.000 χ^2/NDF: 64419403252.2/47

In: -2.853+/-0.000 χ^2/NDF:114343354122.2/43

Out: -2.841+/-0.000 χ^2/NDF:128757829992.1/51

All: -2.847+/-0.000 χ^2/NDF: 243131633630.6

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 619321.0/20

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 766260.7/26

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

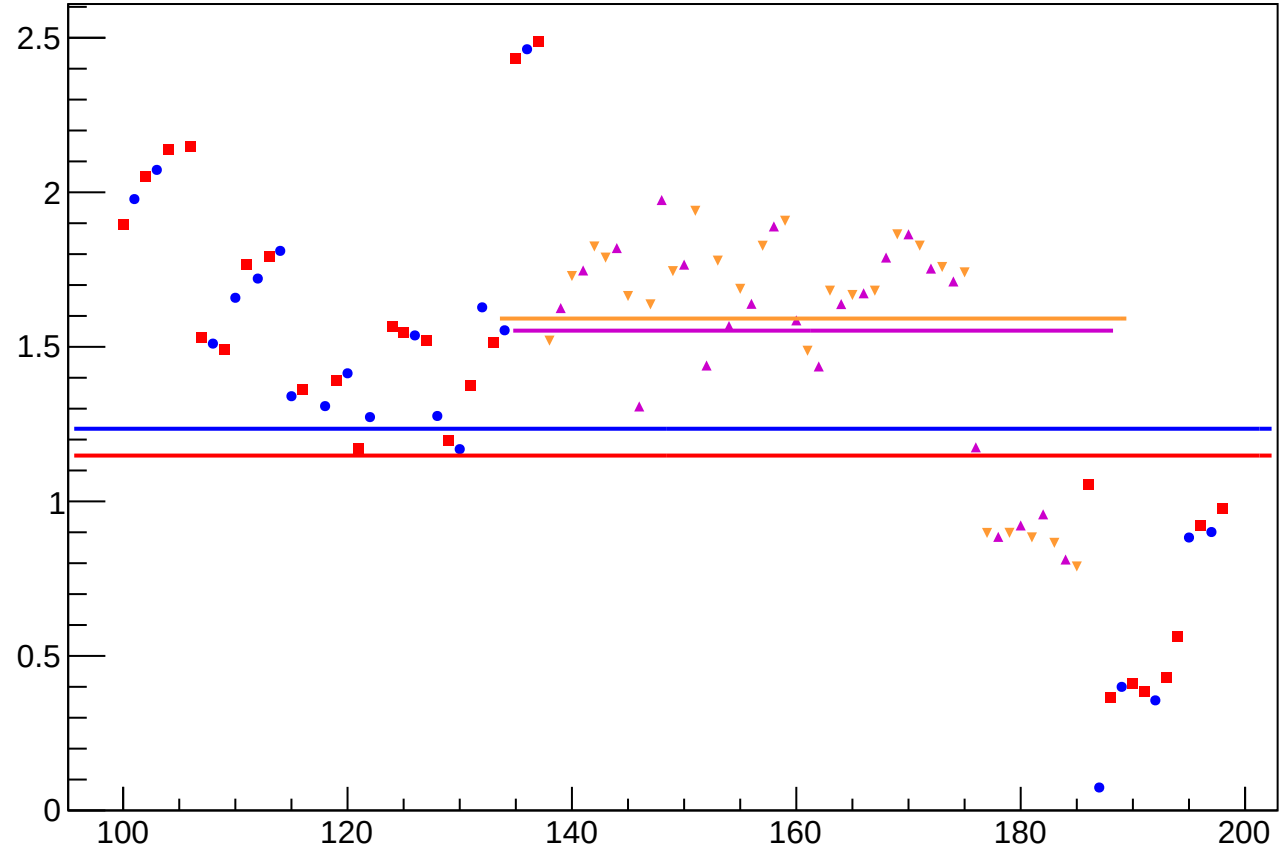
Right: 0.009+/-0.000 χ^2/NDF: 1402844.3/47

In: 0.009+/-0.000 χ^2/NDF:1533209.5/43

Out: 0.009+/-0.000 χ^2/NDF:1631782.4/51

All: 0.009+/-0.000 χ^2/NDF: 3172472.6/95

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.235+/-0.000 χ^2/NDF: 28038103701.8/20

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.148+/-0.000 χ^2/NDF: 33927188242.6/26

Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

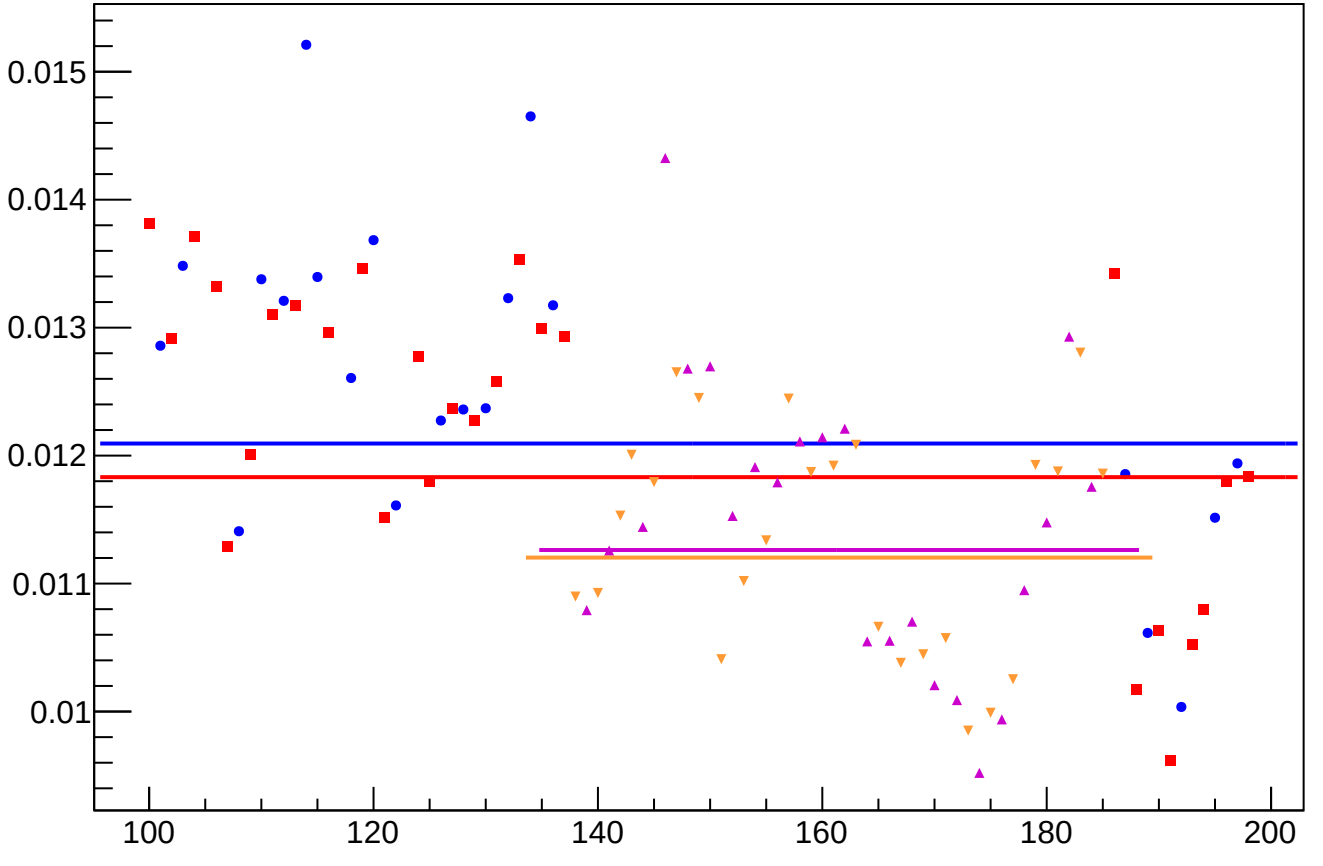
Right: 1.187+/-0.000 χ^2/NDF: 62260272976.4/47

In: 1.444+/-0.000 χ^2/NDF:46777592357.8/43

Out: 1.425+/-0.000 χ^2/NDF:61842238633.0/51

All: 1.434+/-0.000 χ^2/NDF: 108659793587.3

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 205001.4/20

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF: 245011.6/26

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

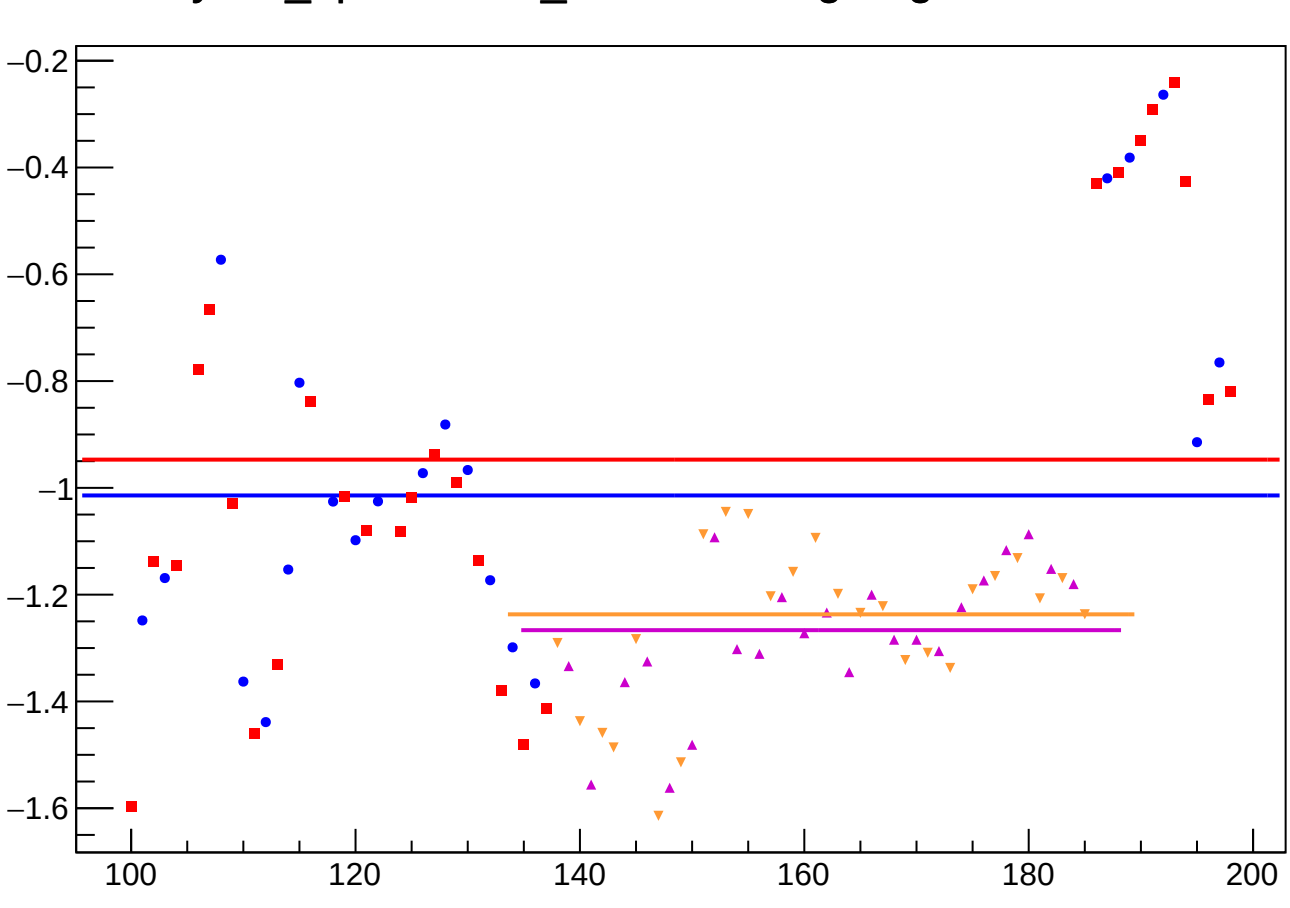
Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

Right: 0.012+/-0.000 χ^2/NDF: 455419.9/47

In: 0.012+/-0.000 χ^2/NDF:581042.6/43

Out: 0.011+/-0.000 χ^2/NDF:512172.2/51

All: 0.011+/-0.000 χ^2/NDF: 1095720.7/95



Right In: -1.014+/-0.000 χ^2/NDF: 11308196001.2/20

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.947+/-0.000 χ^2/NDF: 16511177678.9/26

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

Left: -1.251+/-0.000 χ^2/NDF: 8764581472.4/47

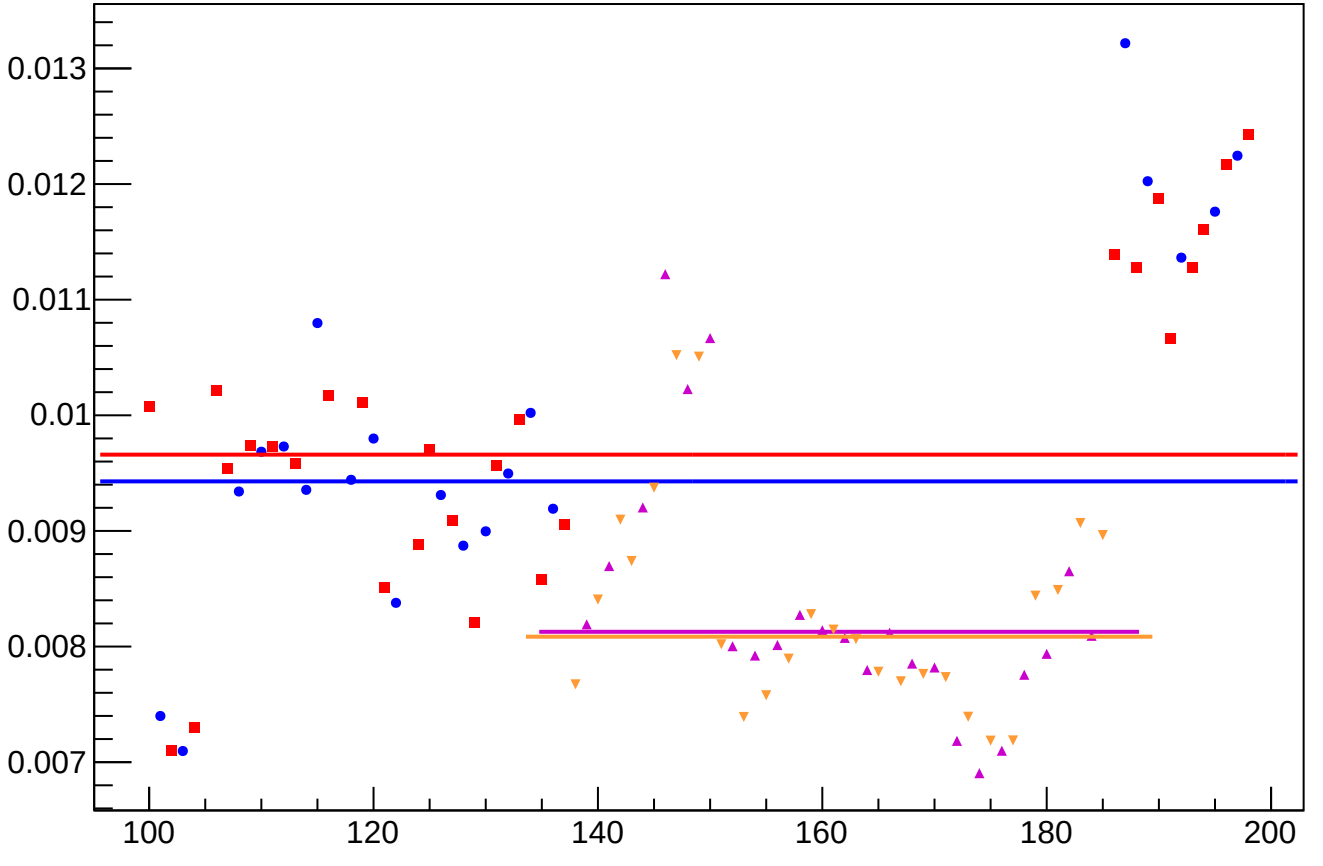
Right: -0.978+/-0.000 χ^2/NDF: 28088345234.6/47

In: -1.190+/-0.000 χ^2/NDF:19968365746.1/43

Out: -1.145+/-0.000 χ^2/NDF:28816734741.7/51

All: -1.167+/-0.000 χ^2/NDF: 49176198321.9/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 532580.4/20

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 649203.9/26

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

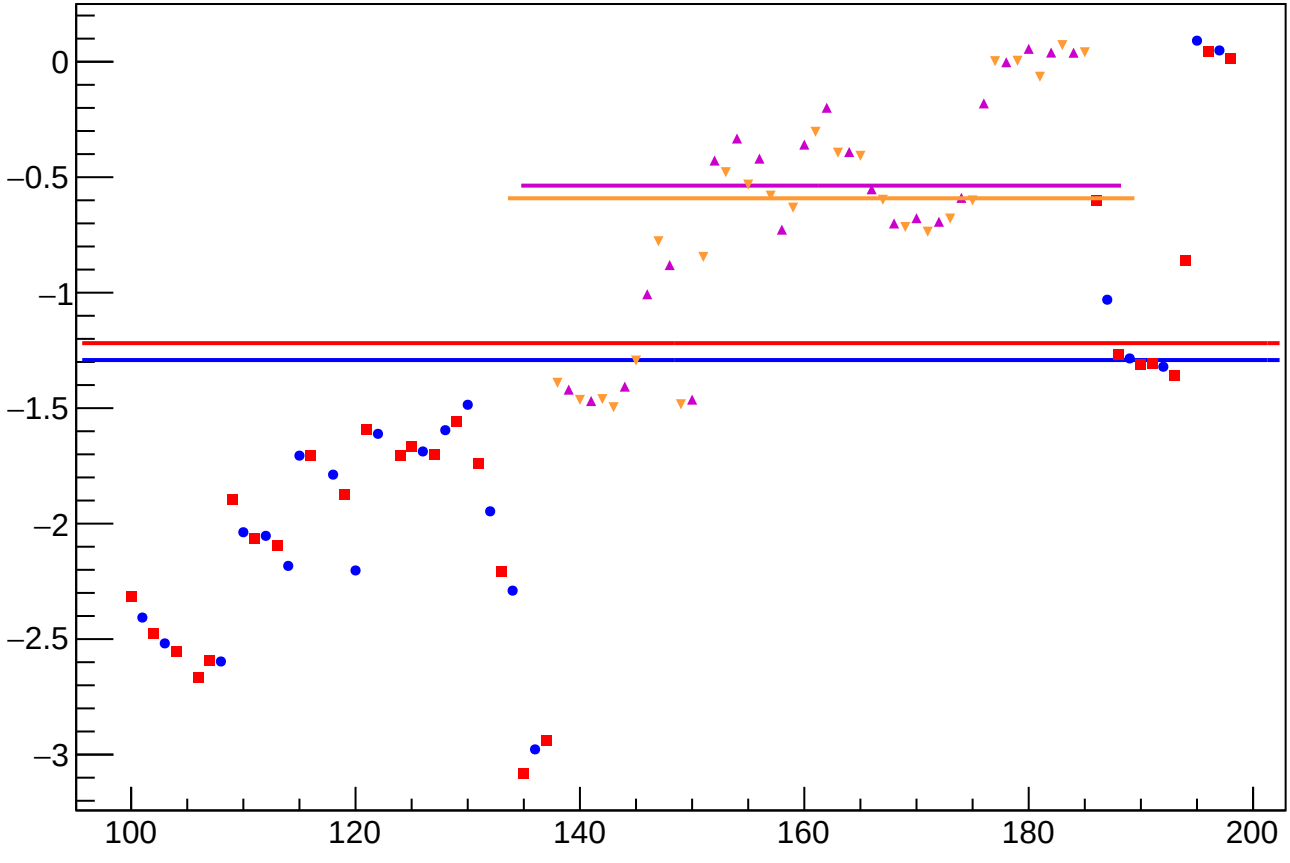
Right: 0.010+/-0.000 χ^2/NDF: 1188171.2/47

In: 0.009+/-0.000 χ^2/NDF:1206721.7/43

Out: 0.009+/-0.000 χ^2/NDF:1409076.5/51

All: 0.009+/-0.000 χ^2/NDF: 2617286.4/95

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -1.292+/-0.000 χ^2/NDF: 221190274722.8/20

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -1.219+/-0.000 χ^2/NDF: 246005529422.4/26

Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

Left: -0.564+/-0.000 χ^2/NDF: 143410113051.4/47

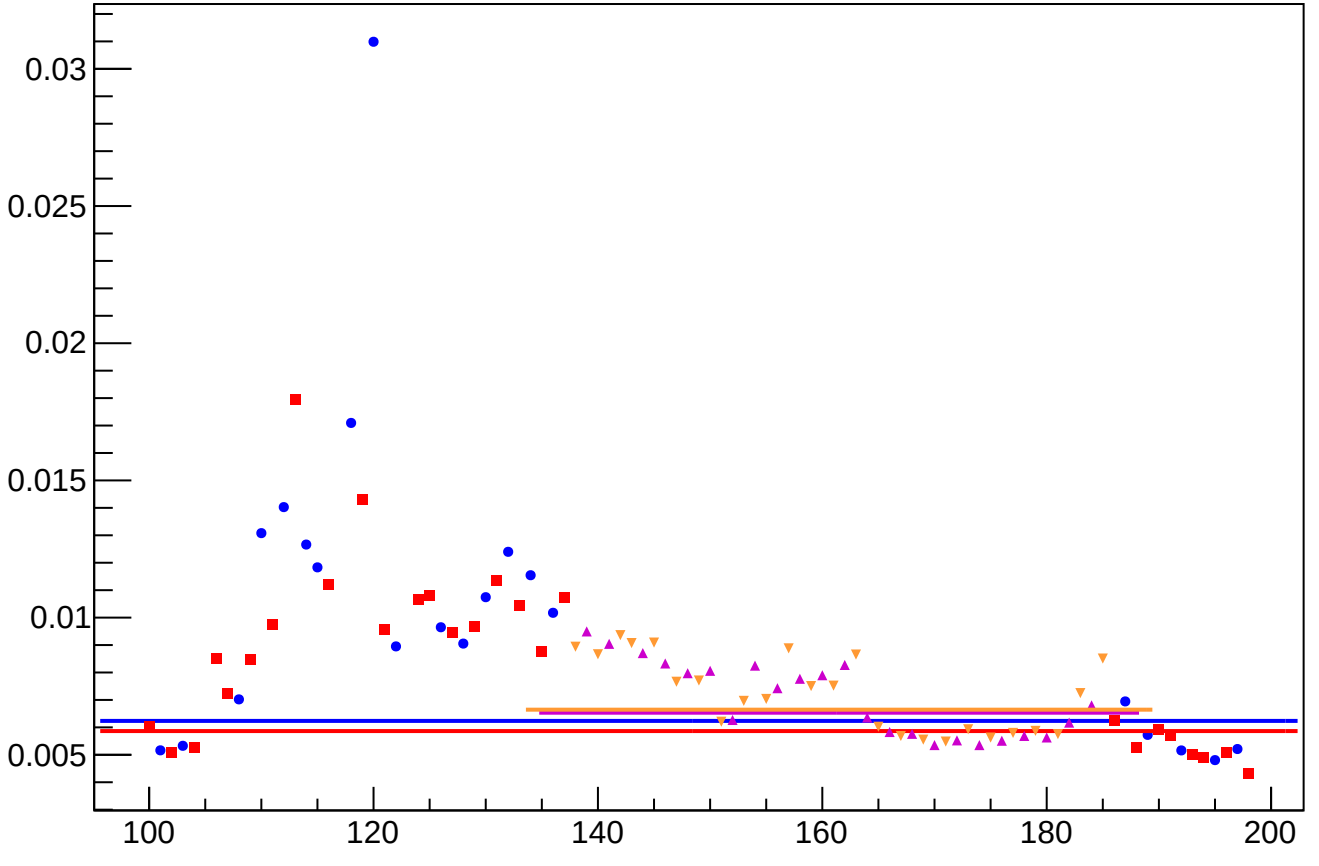
Right: -1.249+/-0.000 χ^2/NDF: 467838457142.1/47

In: -0.804+/-0.000 χ^2/NDF:366421166482.7/43

Out: -0.864+/-0.000 χ^2/NDF:383499104773.9/51

All: -0.836+/-0.000 χ^2/NDF: 751016097840.9

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2346048.0/20

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 2292327.7/26

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

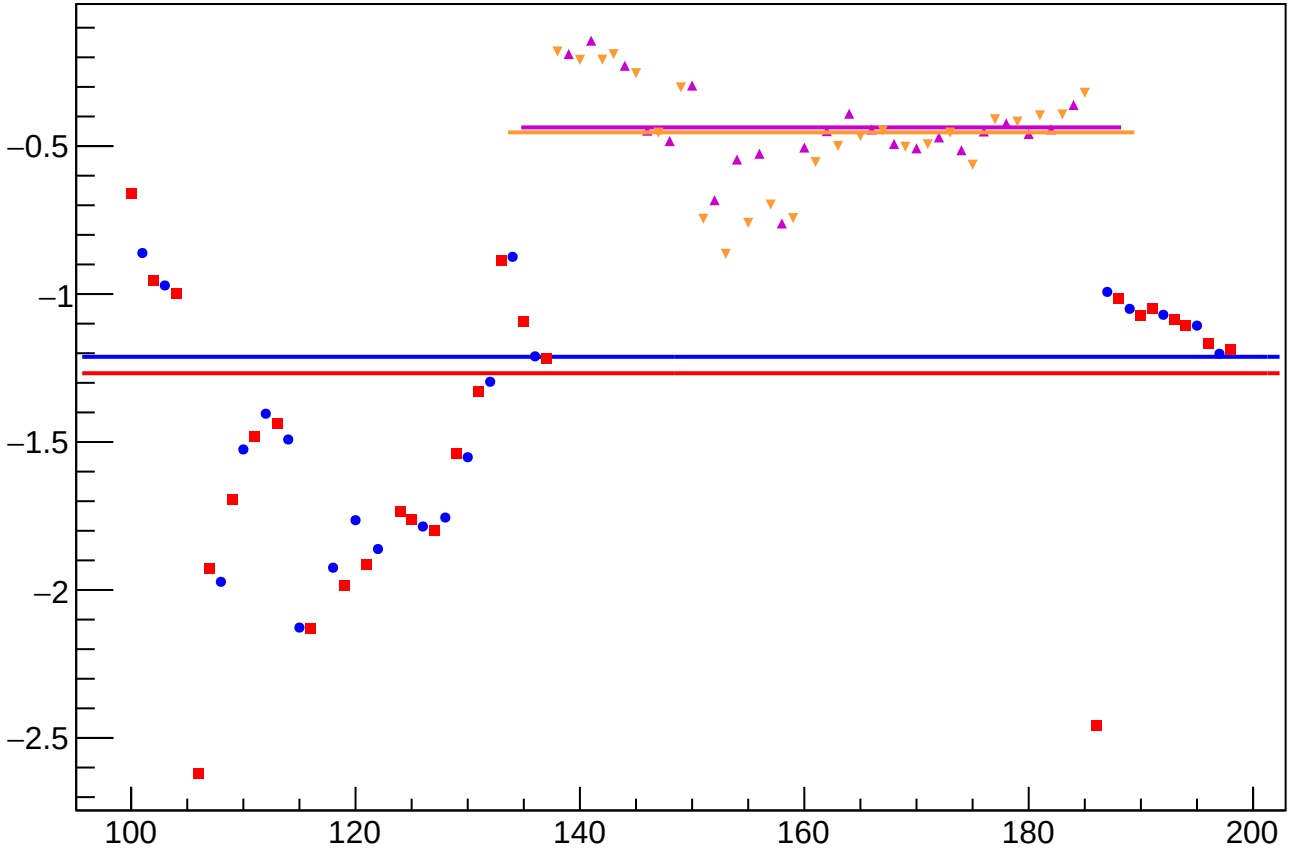
Right: 0.006+/-0.000 χ^2/NDF: 4671261.0/47

In: 0.006+/-0.000 χ^2/NDF:3520741.5/43

Out: 0.006+/-0.000 χ^2/NDF:3584619.5/51

All: 0.006+/-0.000 χ^2/NDF: 7114624.1/95

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.212+/-0.000 χ^2/NDF: 27026419770.0/20

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.268+/-0.000 χ^2/NDF: 71293036296.8/26

Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

Left: -0.446+/-0.000 χ^2/NDF: 45759847773.7/47

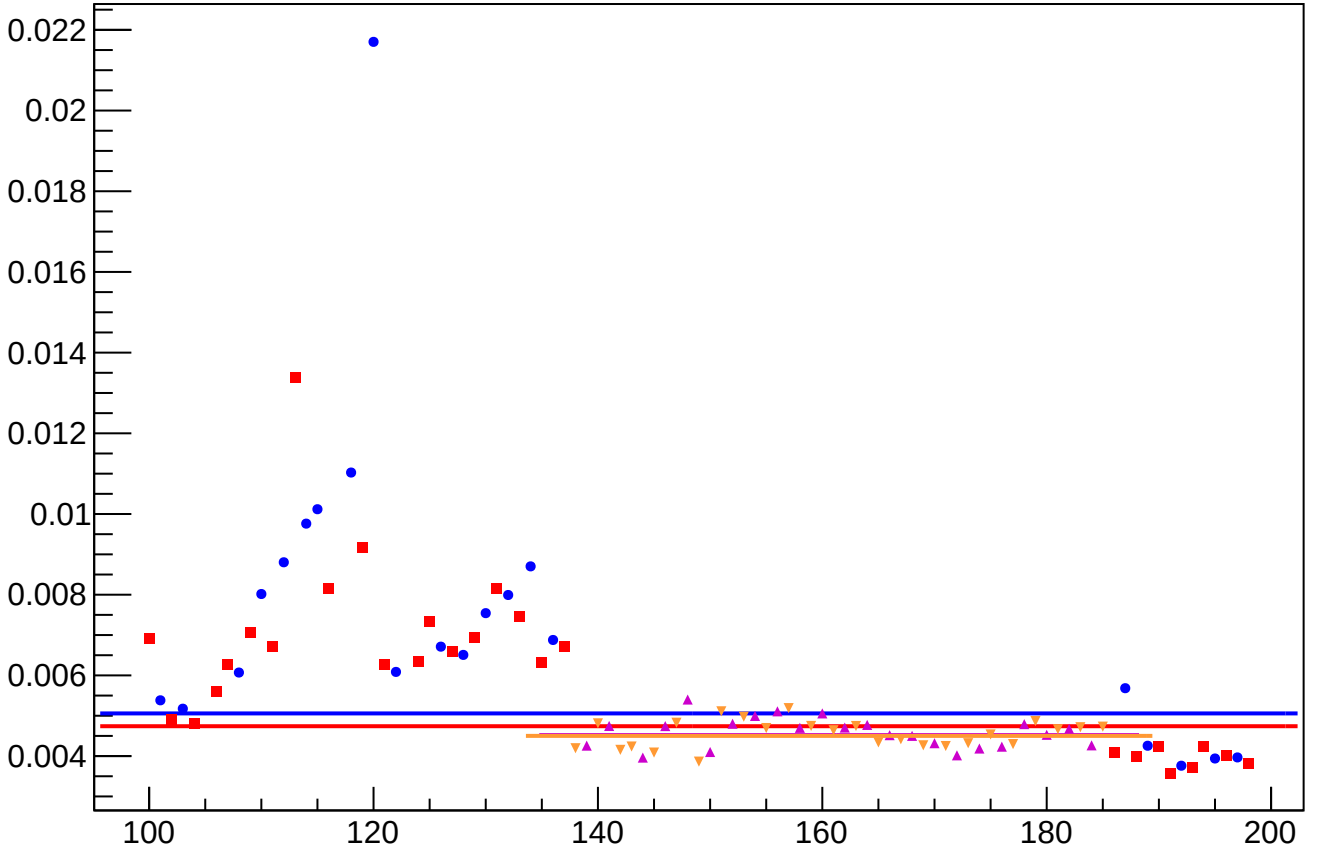
Right: -1.245+/-0.000 χ^2/NDF: 98902257153.9/47

In: -0.656+/-0.000 χ^2/NDF:182283676395.0/43

Out: -0.735+/-0.000 χ^2/NDF:299560181385.1/51

All: -0.699+/-0.000 χ^2/NDF: 485625511548.9

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1824759.2/20

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1721953.9/26

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

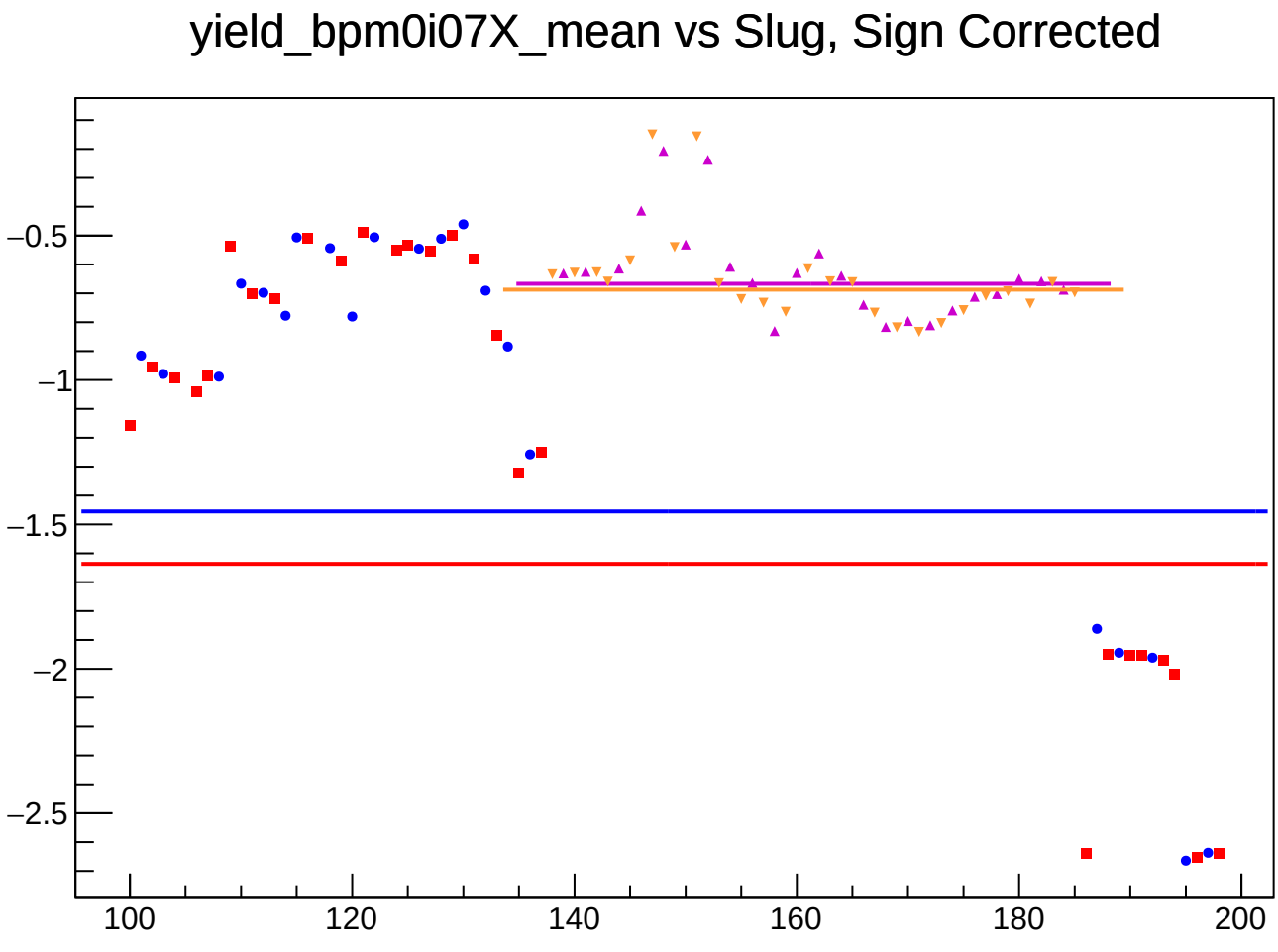
Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

Right: 0.005+/-0.000 χ^2/NDF: 3584827.1/47

In: 0.005+/-0.000 χ^2/NDF:2169993.9/43

Out: 0.005+/-0.000 χ^2/NDF:1945639.5/51

All: 0.005+/-0.000 χ^2/NDF: 4125322.0/95



Right In: -1.455+/-0.000 χ^2/NDF: 166403295685.8/20

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.637+/-0.000 χ^2/NDF: 248655170852.0/26

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

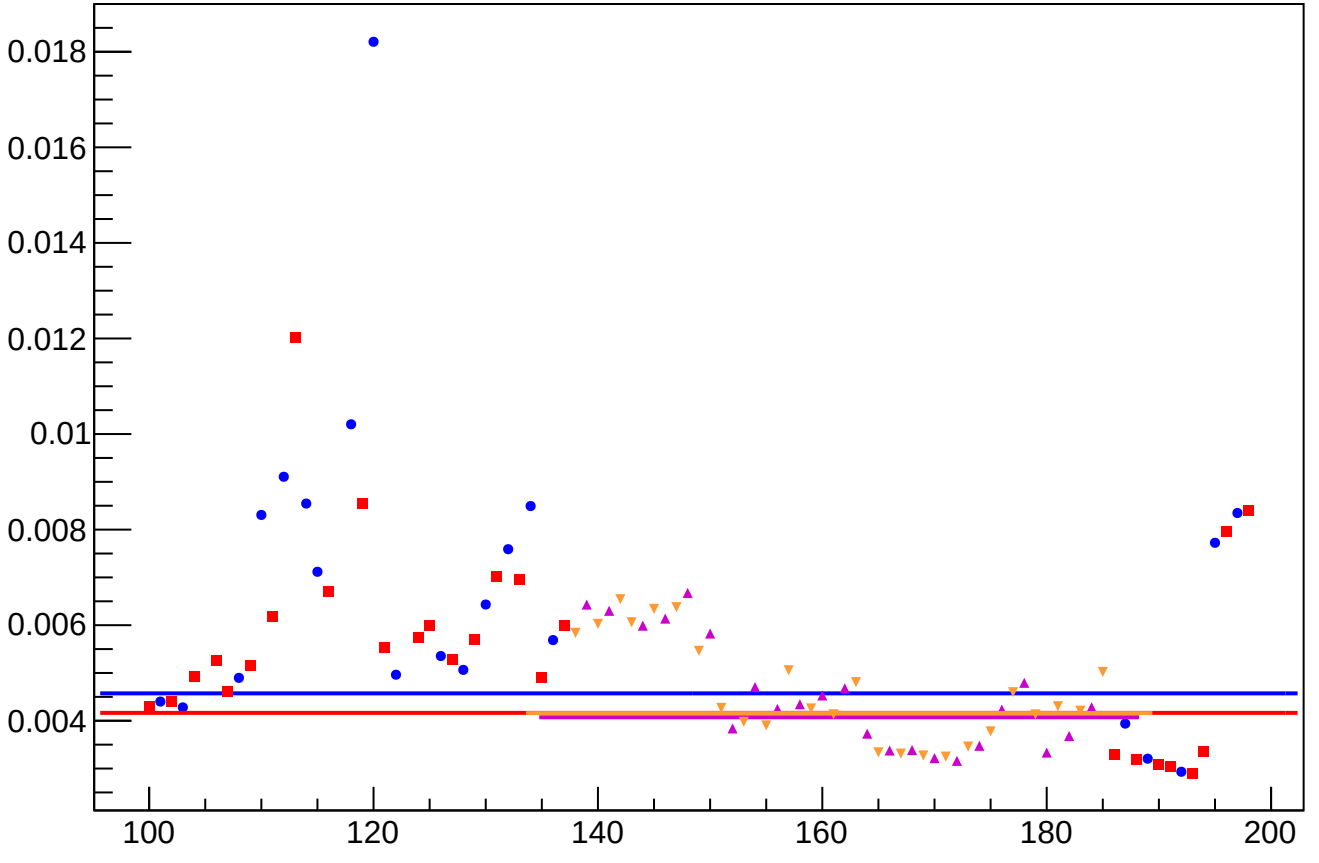
Right: -1.564+/-0.000 χ^2/NDF: 422639510619.2/47

In: -0.893+/-0.000 χ^2/NDF:358477205207.1/43

Out: -1.042+/-0.000 χ^2/NDF:596447760973.4/51

All: -0.973+/-0.000 χ^2/NDF: 970935152946.6

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2677587.0/20

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 2746602.4/26

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

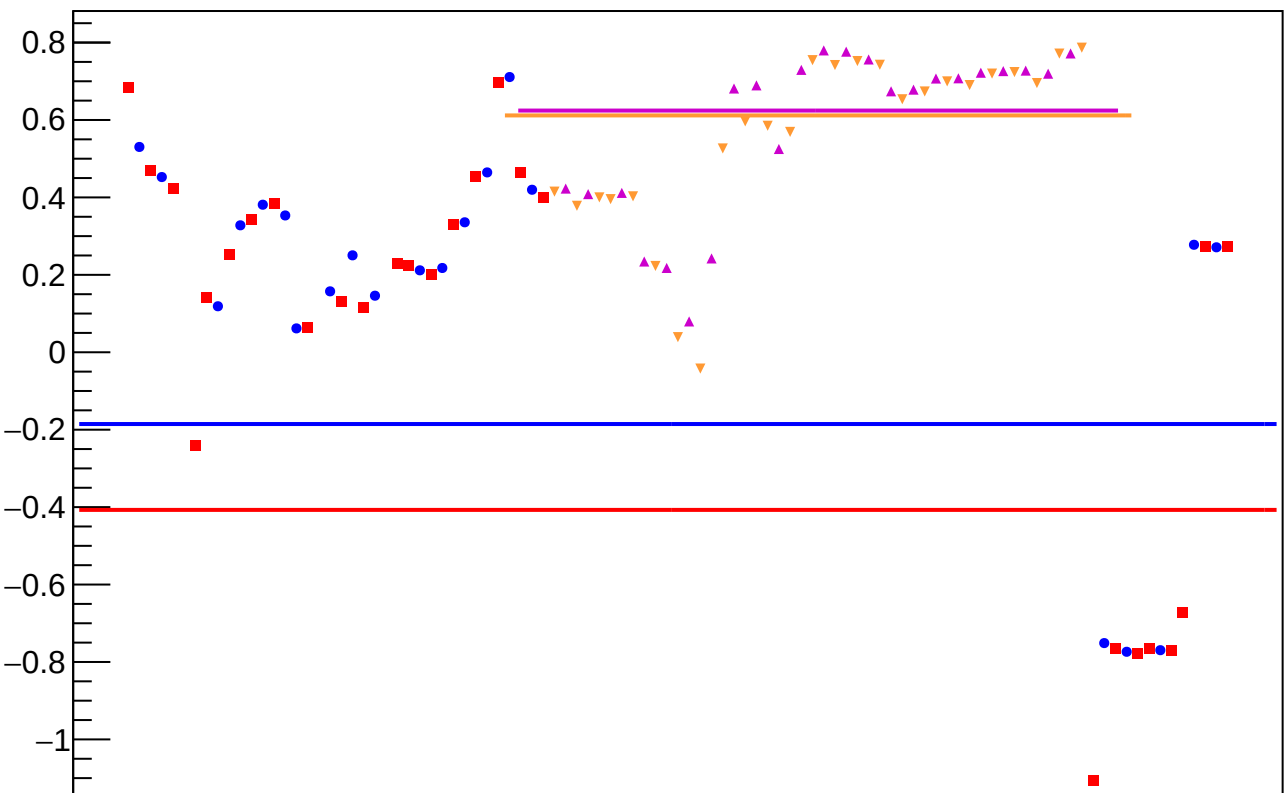
Right: 0.004+/-0.000 χ^2/NDF: 5500905.3/47

In: 0.004+/-0.000 χ^2/NDF:4564734.3/43

Out: 0.004+/-0.000 χ^2/NDF:4266672.7/51

All: 0.004+/-0.000 χ^2/NDF: 8835593.3/95

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: -0.185+/-0.000 χ^2/NDF: 274841636985.0/20

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.407+/-0.000 χ^2/NDF: 416605488447.4/26

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

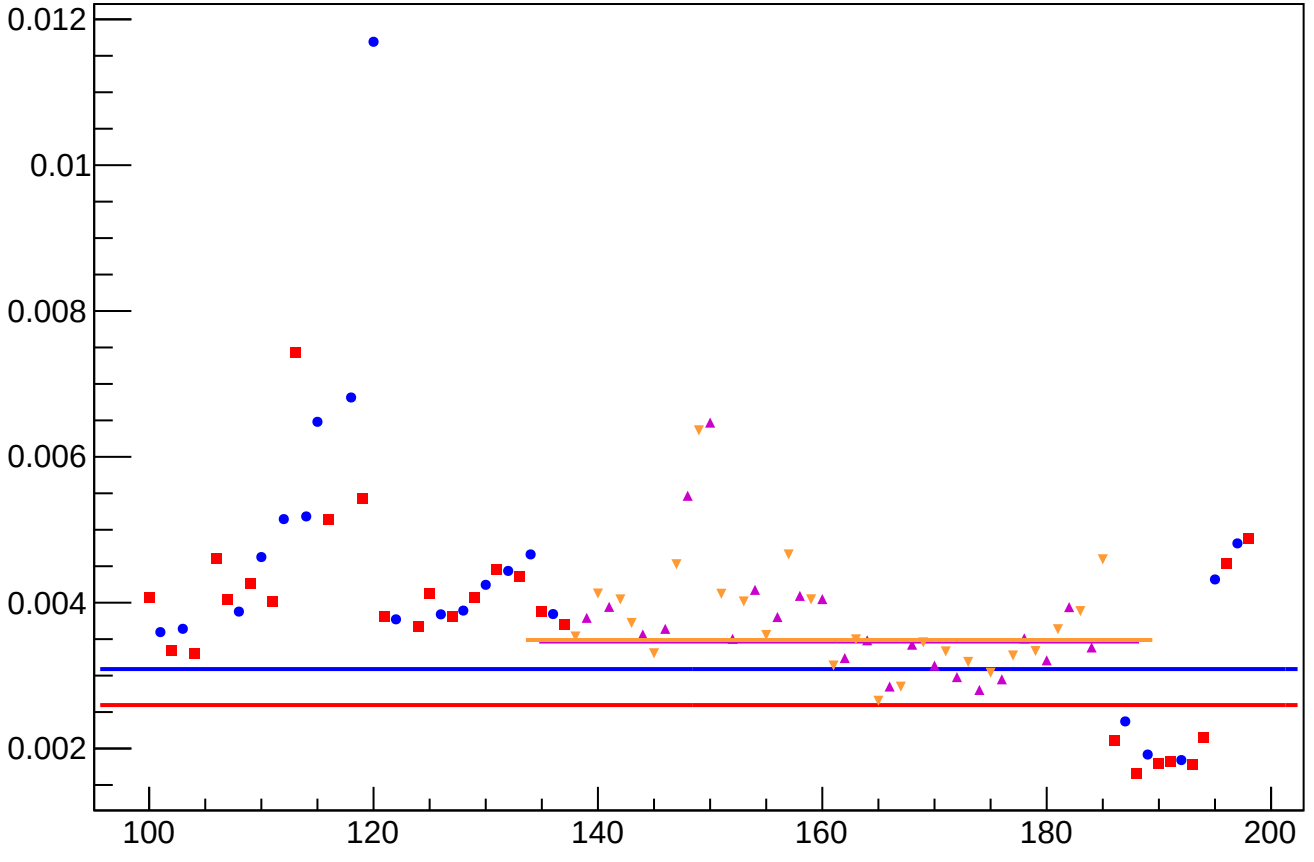
Right: -0.324+/-0.000 χ^2/NDF: 717774190491.3/47

In: 0.298+/-0.000 χ^2/NDF:650088087532.6/43

Out: 0.082+/-0.000 χ^2/NDF:1174264350250.6/51

All: 0.176+/-0.000 χ^2/NDF: 1880160837512.

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 2753106.0/20

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3662057.4/26

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

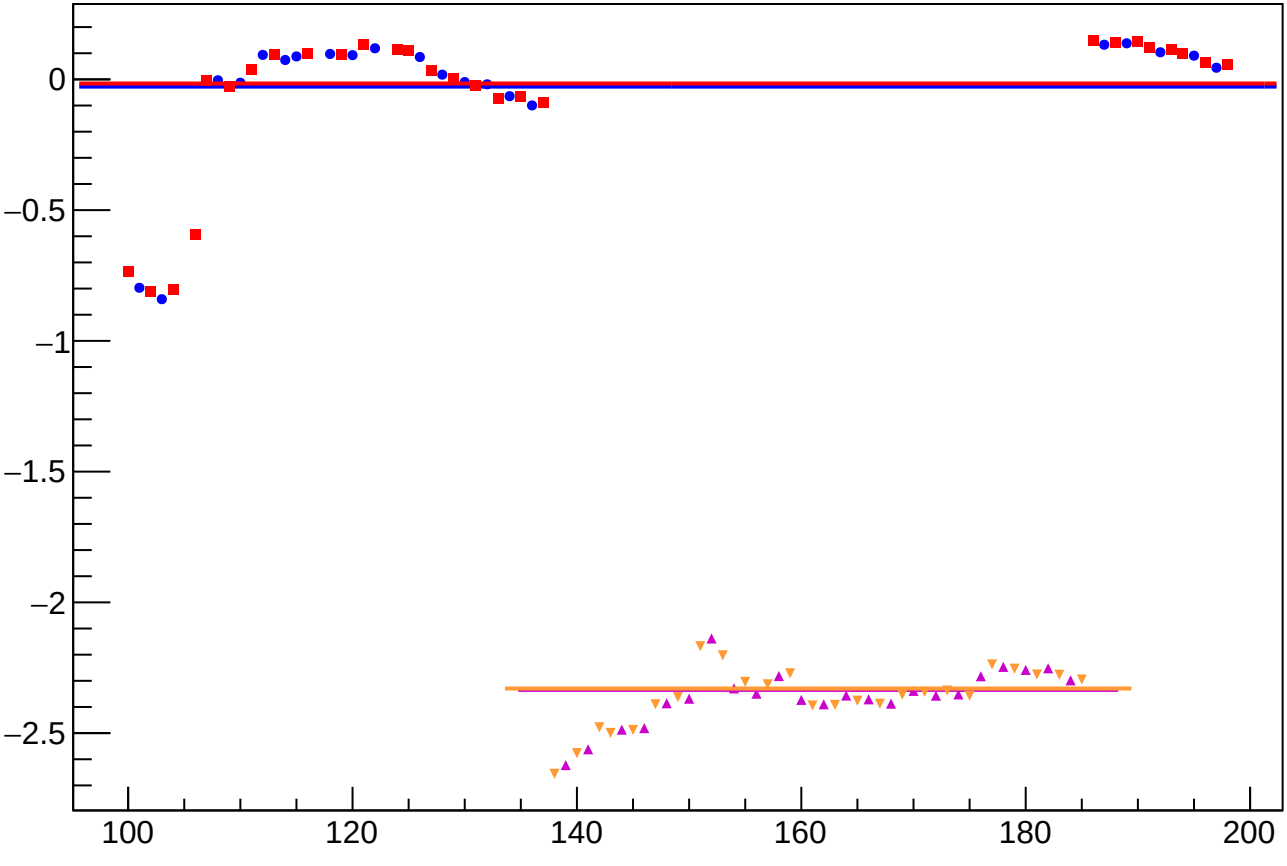
Right: 0.003+/-0.000 χ^2/NDF: 6675915.2/47

In: 0.003+/-0.000 χ^2/NDF:3792702.9/43

Out: 0.003+/-0.000 χ^2/NDF:5604217.4/51

All: 0.003+/-0.000 χ^2/NDF: 9599047.5/95

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.028+/-0.000 χ^2/NDF: 6276841938.4/20

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.016+/-0.000 χ^2/NDF: 7629812763.4/26

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

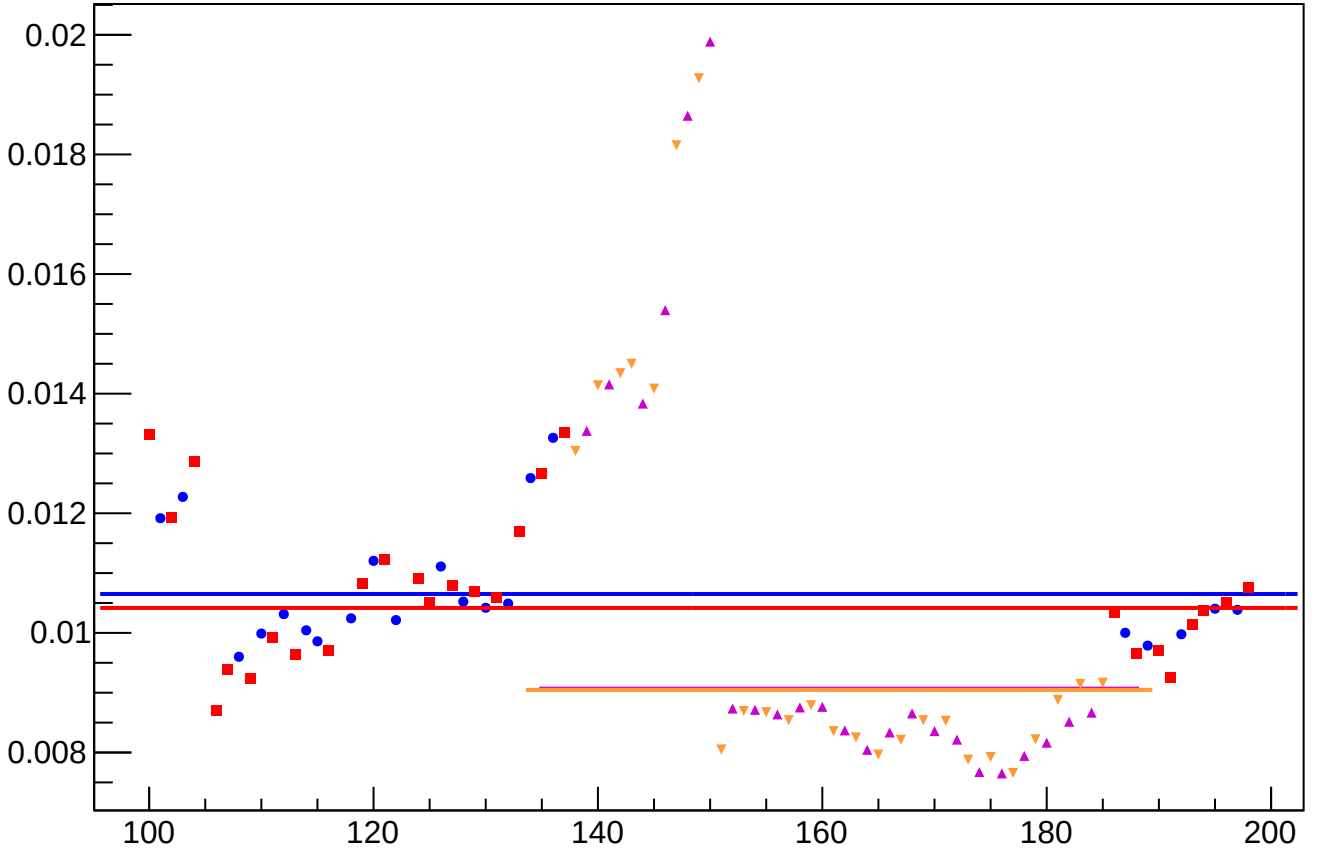
Right: -0.021+/-0.000 χ^2/NDF: 13913867901.7/47

In: -1.626+/-0.000 χ^2/NDF:349063776286.6/43

Out: -1.533+/-0.000 χ^2/NDF:419008316342.3/51

All: -1.577+/-0.000 χ^2/NDF: 769453870135.3

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 166323.0/20

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.010+/-0.000 χ^2/NDF: 222636.1/26

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

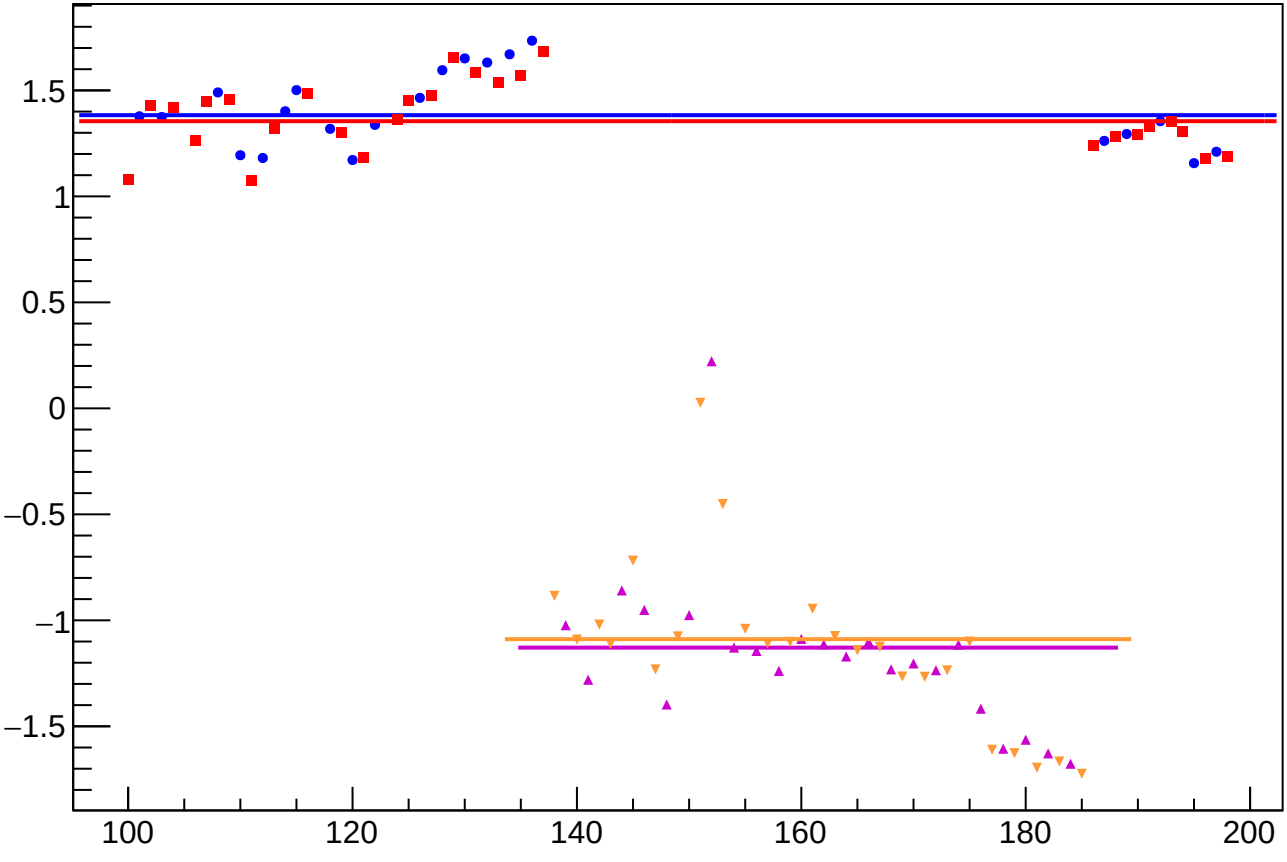
Right: 0.011+/-0.000 χ^2/NDF: 394558.9/47

In: 0.010+/-0.000 χ^2/NDF:2621368.4/43

Out: 0.010+/-0.000 χ^2/NDF:2558588.5/51

All: 0.010+/-0.000 χ^2/NDF: 5180356.1/95

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.383+/-0.000 χ^2/NDF: 5587523132.9/20

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.355+/-0.000 χ^2/NDF: 4404108174.4/26

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

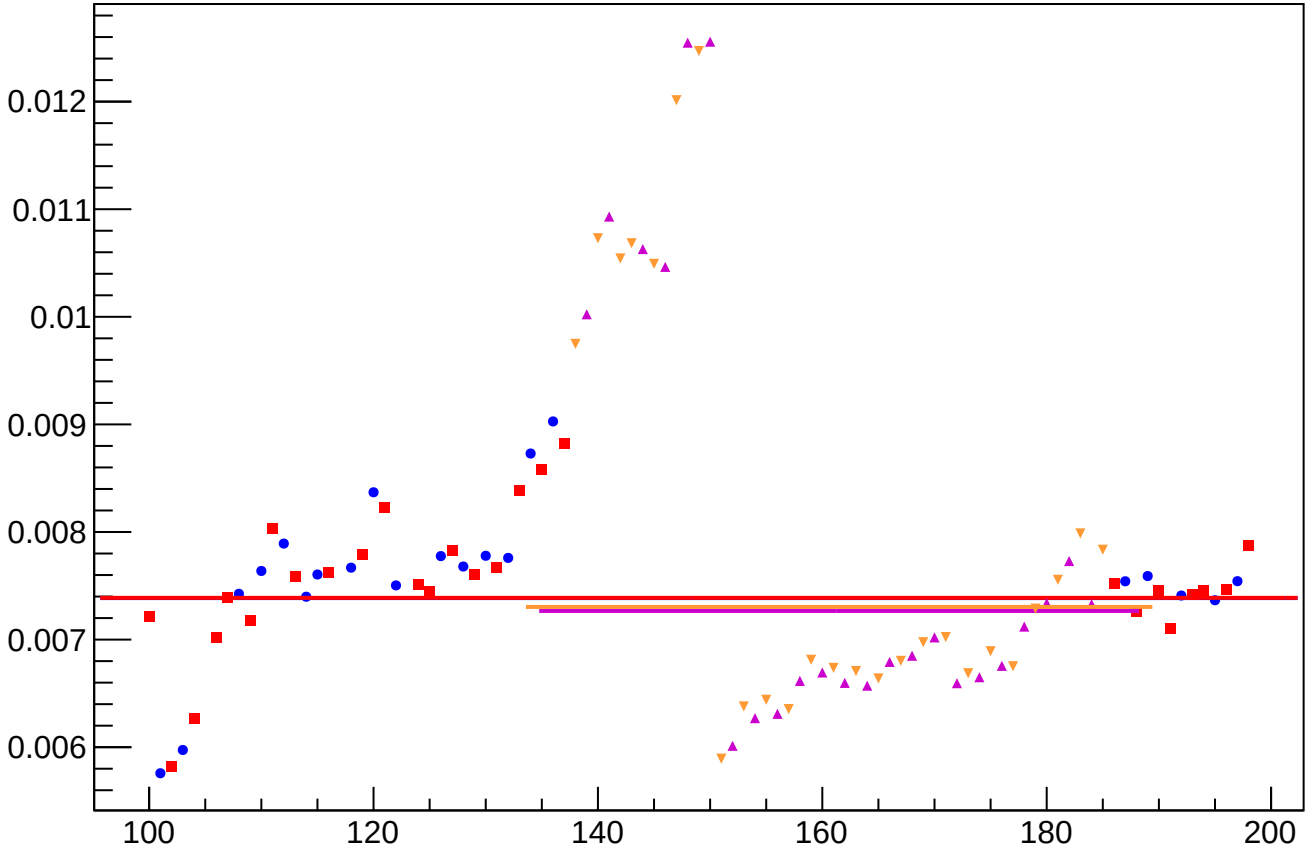
Right: 1.368+/-0.000 χ^2/NDF: 10075927376.0/47

In: -0.209+/-0.000 χ^2/NDF:828874179349.1/43

Out: -0.109+/-0.000 χ^2/NDF:894826557485.6/51

All: -0.157+/-0.000 χ^2/NDF: 1726438161204

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 272885.0/20

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 204584.8/26

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

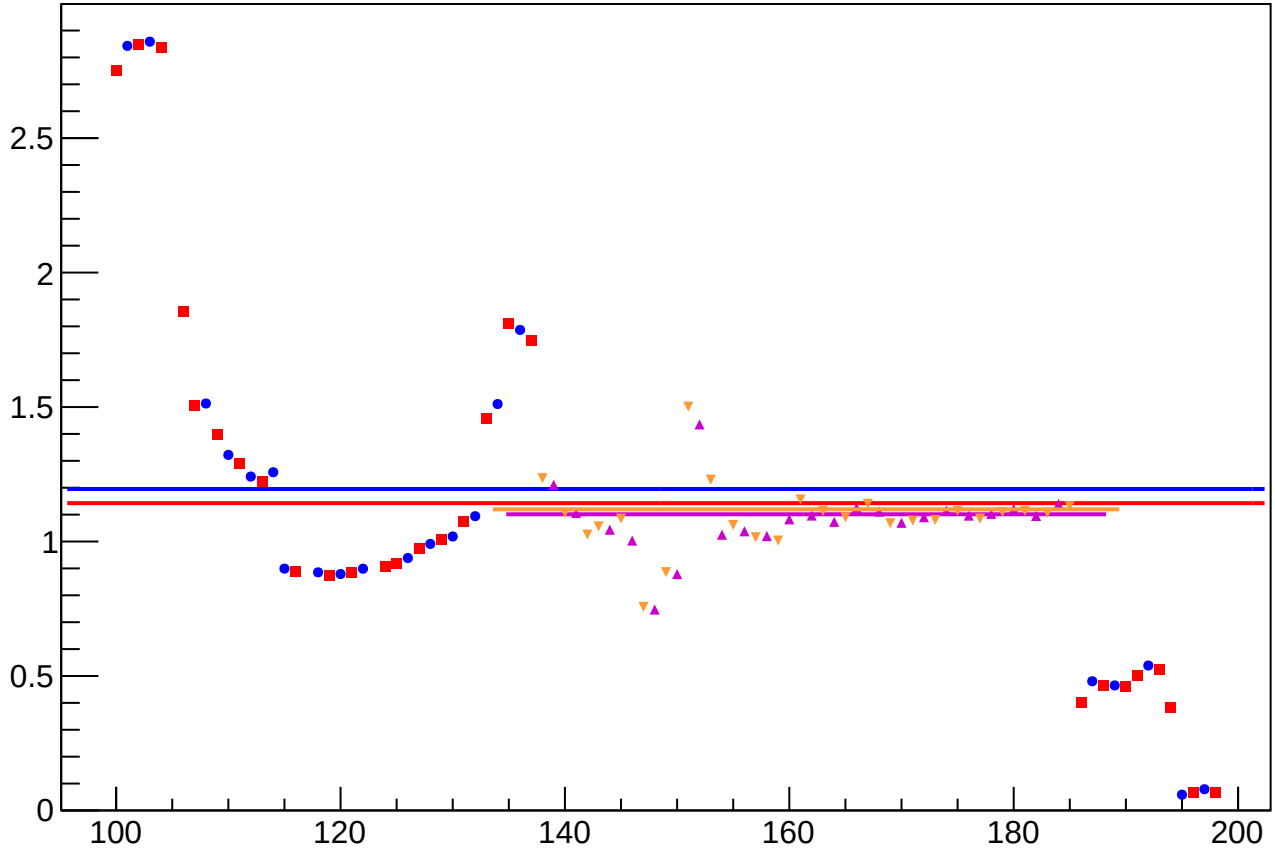
Right: 0.007+/-0.000 χ^2/NDF: 477470.8/47

In: 0.007+/-0.000 χ^2/NDF:1836435.0/43

Out: 0.007+/-0.000 χ^2/NDF:1710666.1/51

All: 0.007+/-0.000 χ^2/NDF: 3547511.5/95

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.195+/-0.000 χ^2/NDF: 92617666022.3/20

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.143+/-0.000 χ^2/NDF: 99633036367.7/26

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

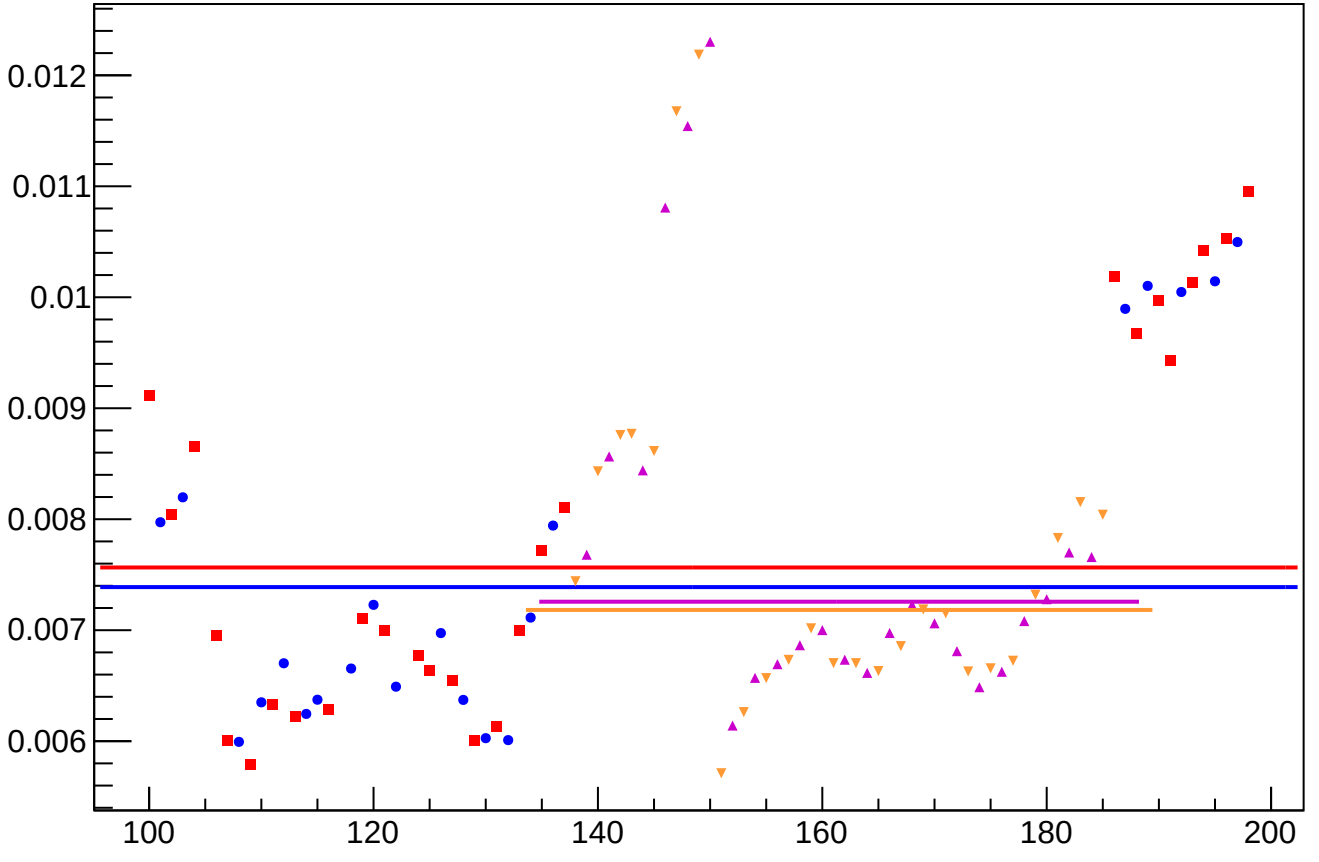
Right: 1.167+/-0.000 χ^2/NDF: 192526457952.1/47

In: 1.135+/-0.000 χ^2/NDF:97875245998.3/43

Out: 1.128+/-0.000 χ^2/NDF:105218748452.7/51

All: 1.132+/-0.000 χ^2/NDF: 203106886308.7

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 784957.1/20

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 1154021.3/26

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

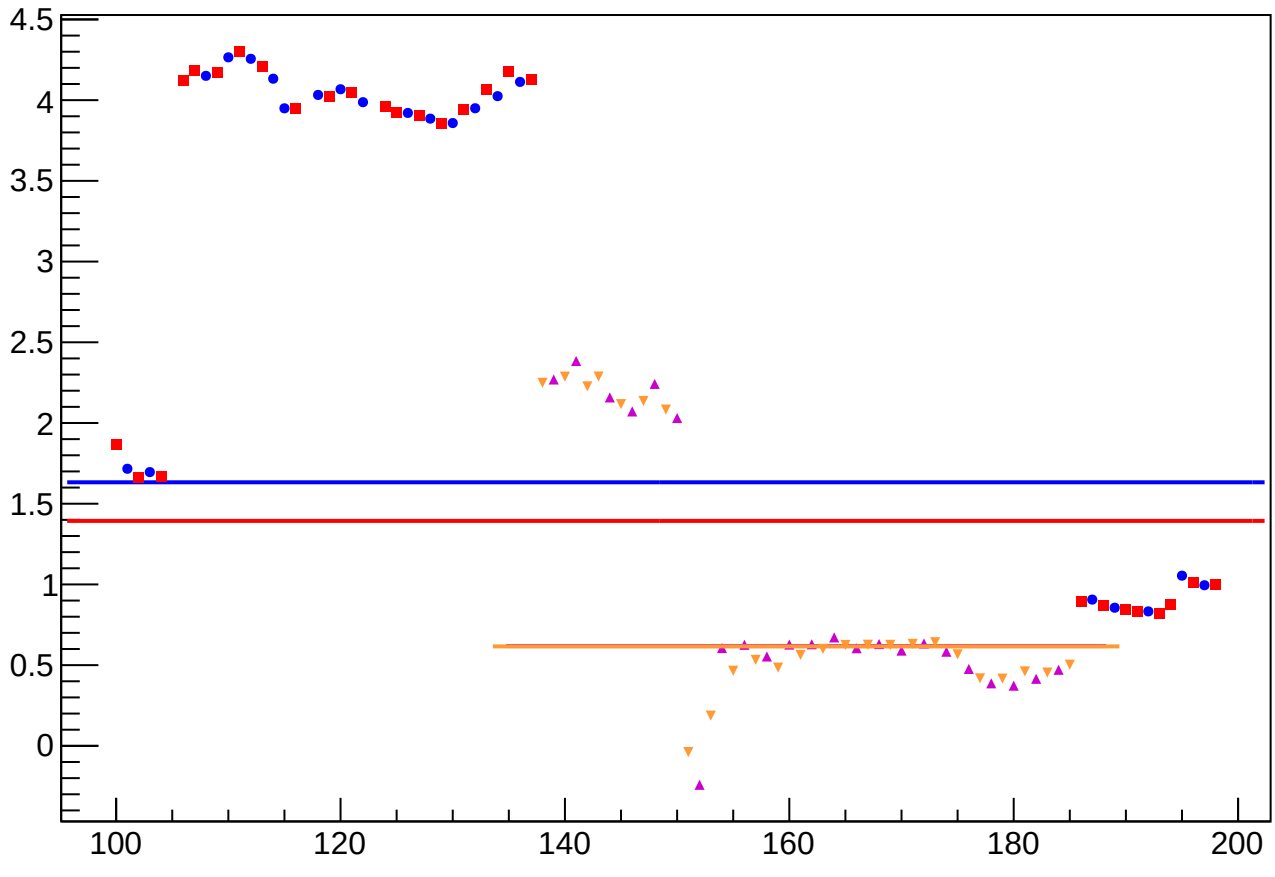
Right: 0.007+/-0.000 χ^2/NDF: 1945195.8/47

In: 0.007+/-0.000 χ^2/NDF:1705798.9/43

Out: 0.007+/-0.000 χ^2/NDF:2086916.0/51

All: 0.007+/-0.000 χ^2/NDF: 3792960.9/95

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 1.633+/-0.000 χ^2/NDF: 1407955547798.1/20

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.393+/-0.000 χ^2/NDF: 1689127744904.9/26

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

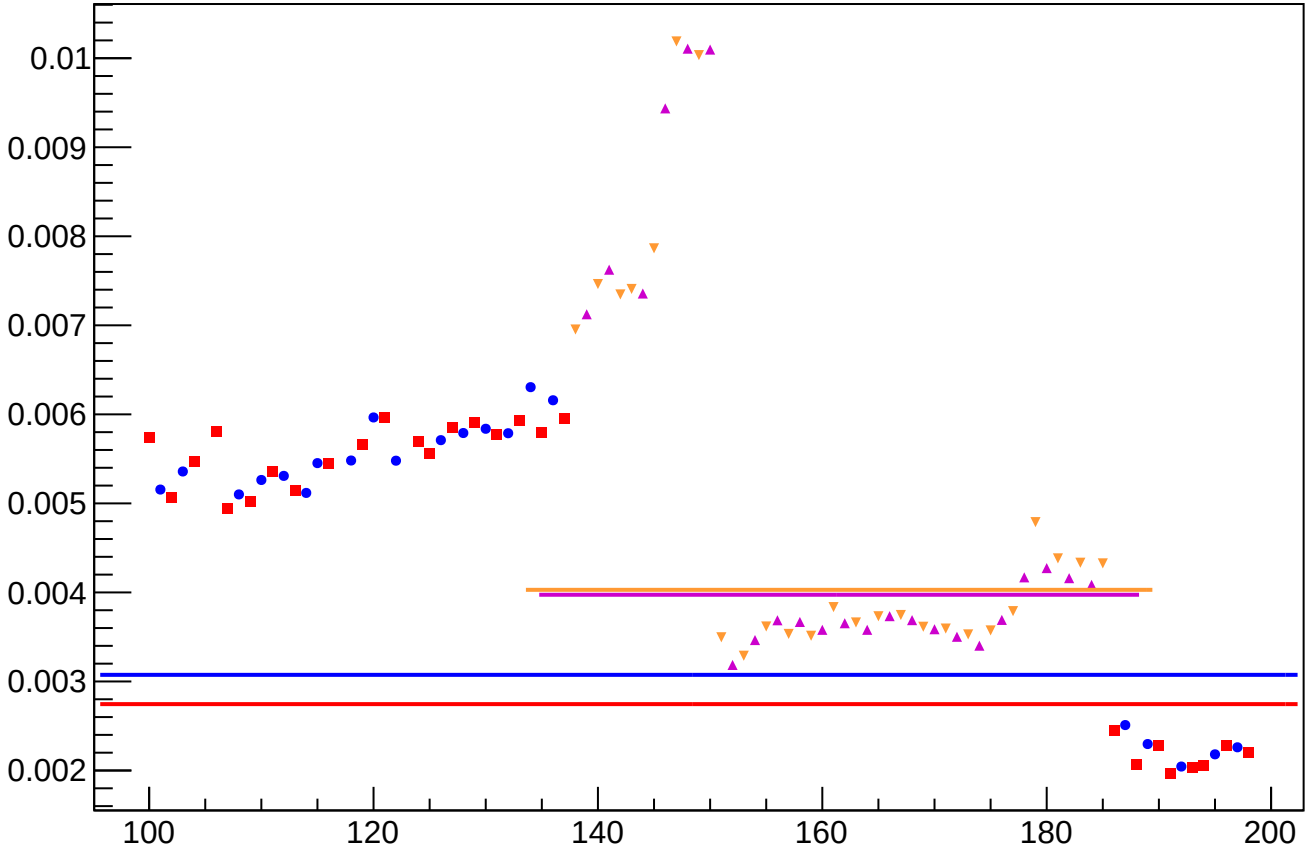
Right: 1.489+/-0.000 χ^2/NDF: 3127327824038.6/47

In: 1.086+/-0.000 χ^2/NDF:2149187087735.1/43

Out: 1.049+/-0.000 χ^2/NDF:2296921677370.0/51

All: 1.065+/-0.000 χ^2/NDF: 4447507668229.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3986951.4/20

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4575048.4/26

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

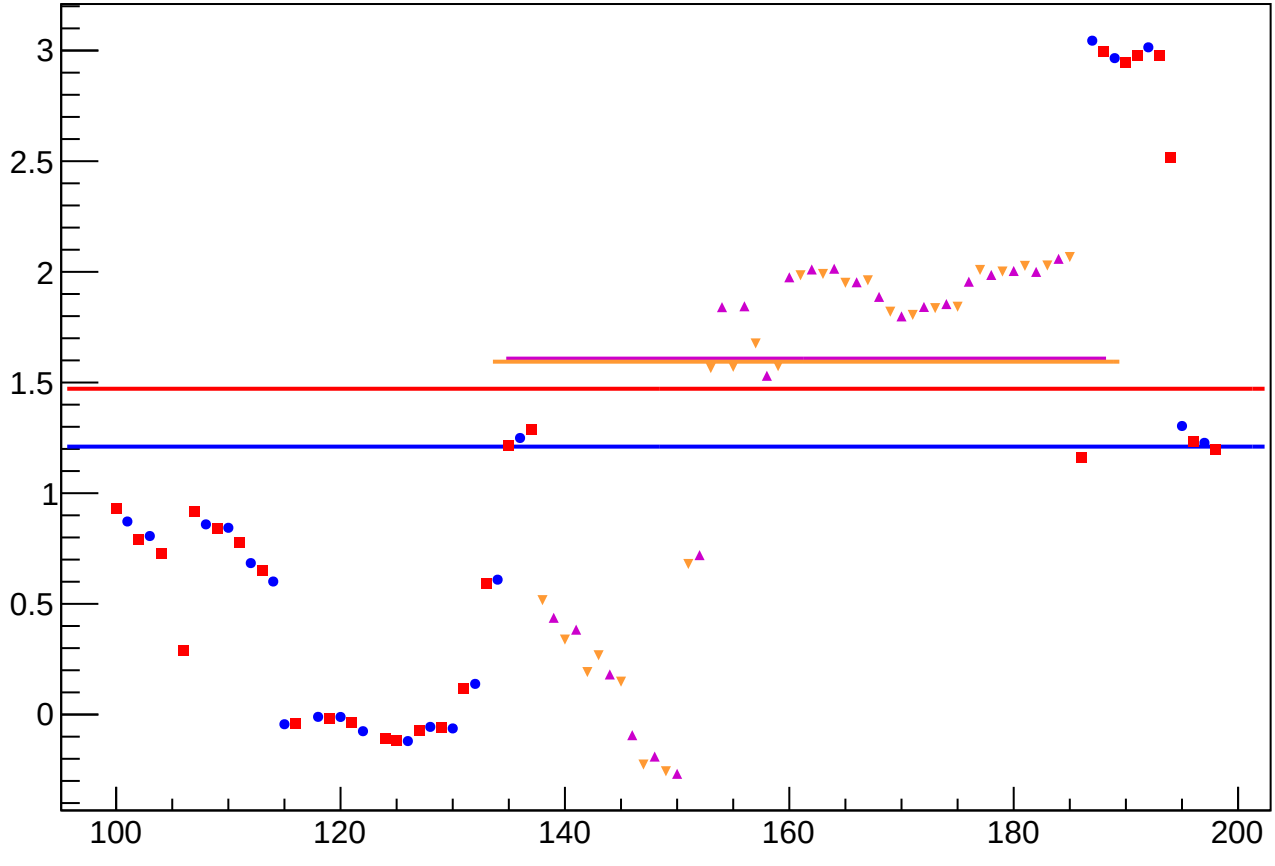
Right: 0.003+/-0.000 χ^2/NDF: 8676303.7/47

In: 0.004+/-0.000 χ^2/NDF:7874775.8/43

Out: 0.003+/-0.000 χ^2/NDF:9480385.3/51

All: 0.003+/-0.000 χ^2/NDF: 17482922.2/95

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 1.210+/-0.000 χ^2/NDF: 77456926567.5/20

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.472+/-0.000 χ^2/NDF: 103305456205.0/26

Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

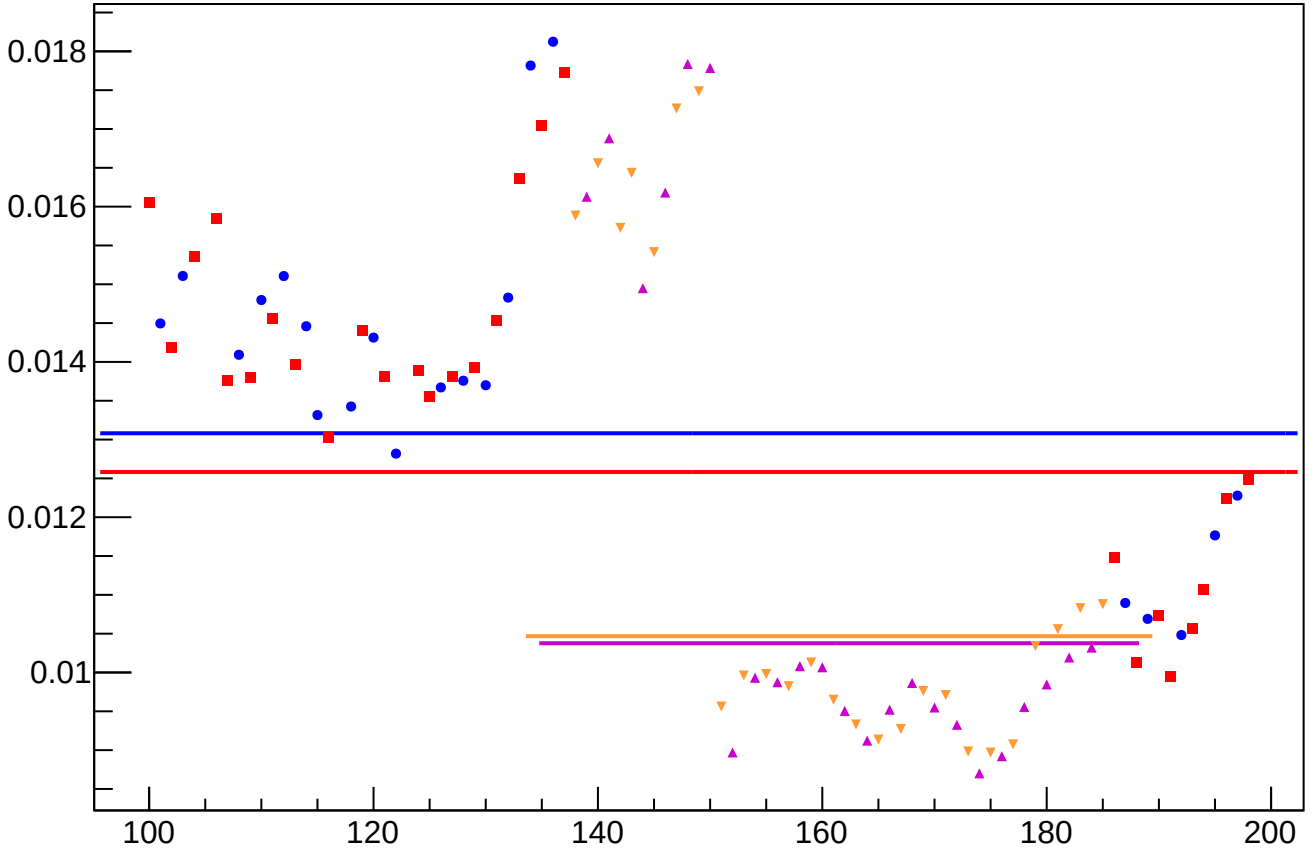
Right: 1.358+/-0.000 χ^2/NDF: 183076913368.6/47

In: 1.500+/-0.000 χ^2/NDF:150769442210.2/43

Out: 1.555+/-0.000 χ^2/NDF:166730171393.3/51

All: 1.529+/-0.000 χ^2/NDF: 317857232477.3

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 493681.0/20

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 589159.7/26

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

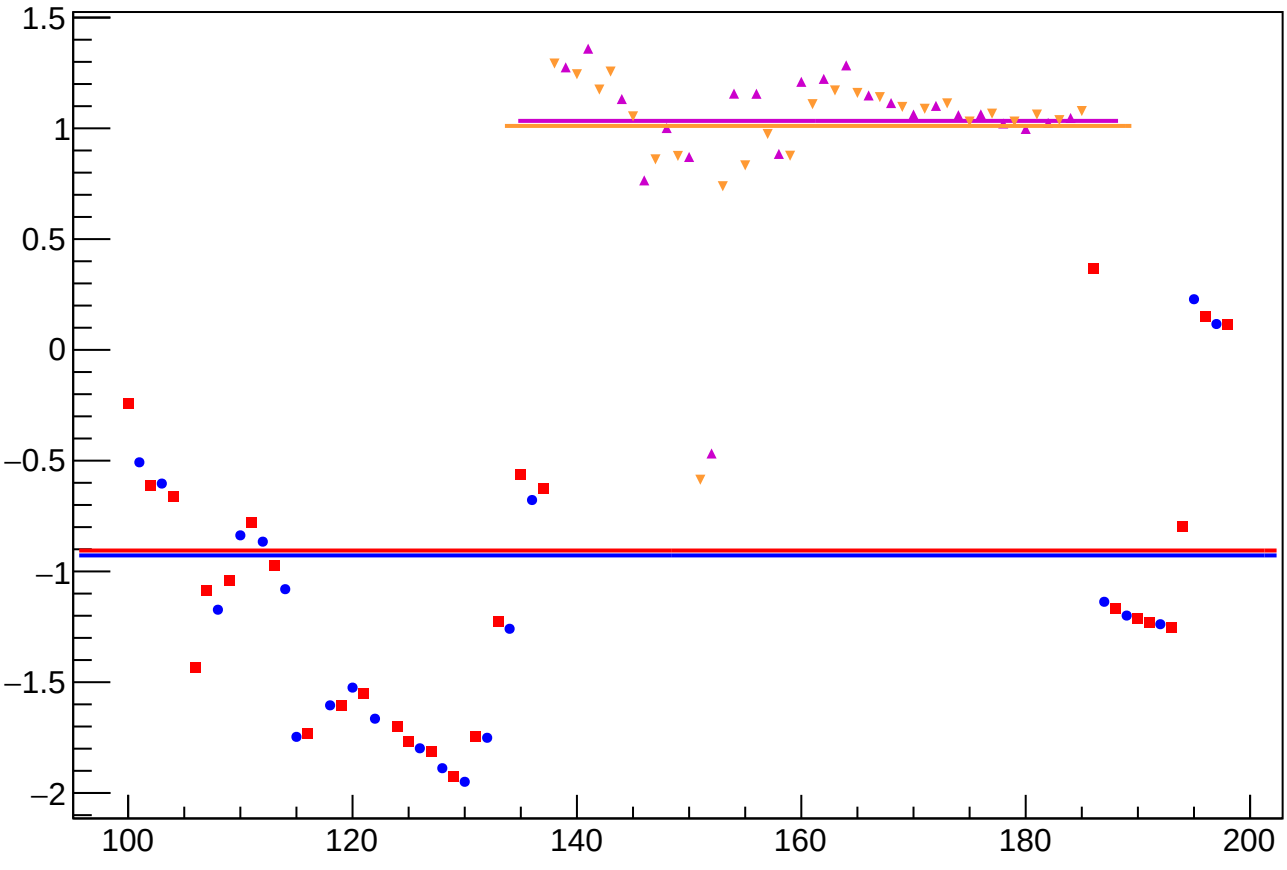
Right: 0.013+/-0.000 χ^2/NDF: 1099696.3/47

In: 0.011+/-0.000 χ^2/NDF:2843324.0/43

Out: 0.011+/-0.000 χ^2/NDF:2724157.3/51

All: 0.011+/-0.000 χ^2/NDF: 5567641.3/95

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -0.928+/-0.000 χ^2/NDF: 113984568439.2/20

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.906+/-0.000 χ^2/NDF: 112161923604.2/26

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

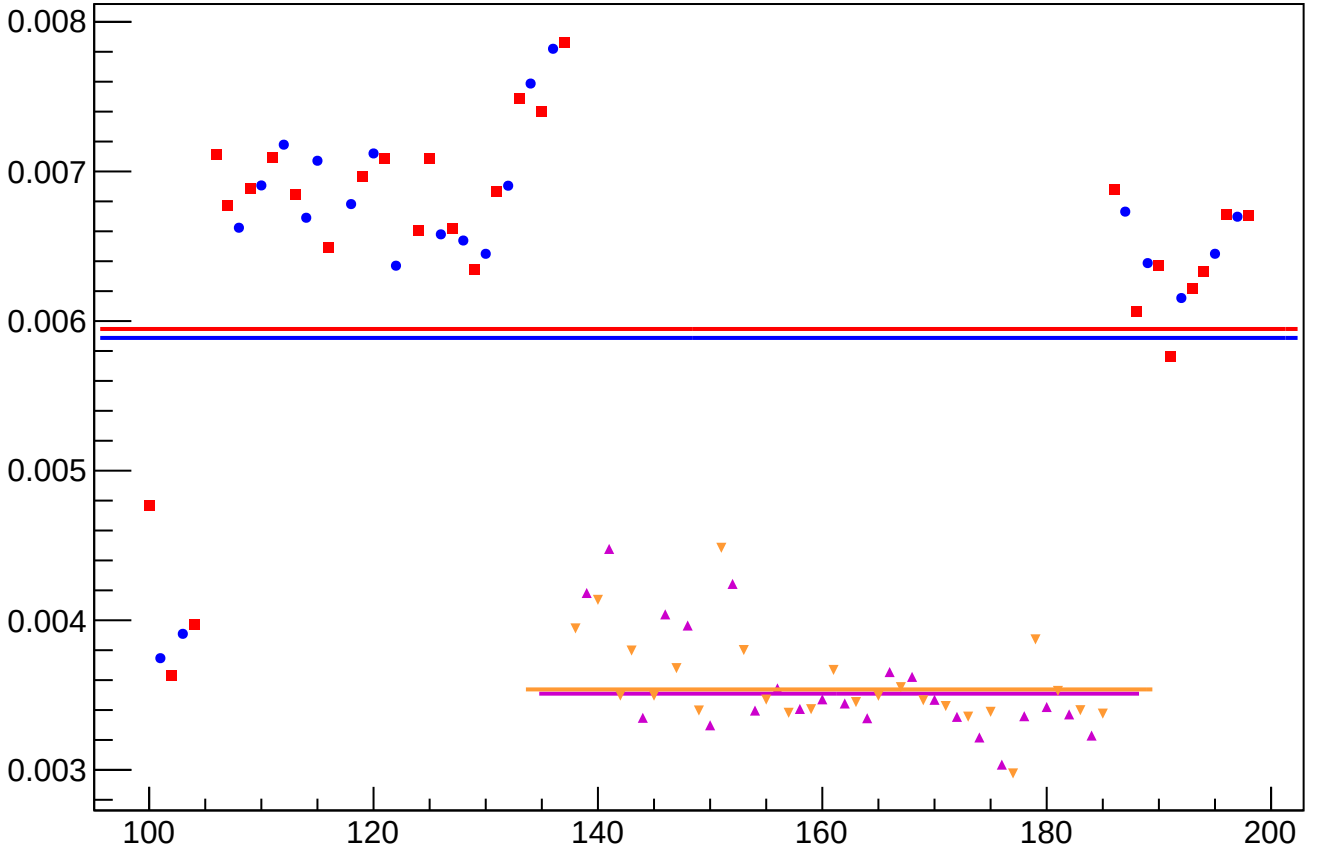
Right: -0.916+/-0.000 χ^2/NDF: 226220193836.5/47

In: 0.699+/-0.000 χ^2/NDF:1121413721023.6/43

Out: 0.650+/-0.000 χ^2/NDF:1195048933156.7/51

All: 0.674+/-0.000 χ^2/NDF: 2318502344582.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1013791.2/20

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1077643.8/26

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

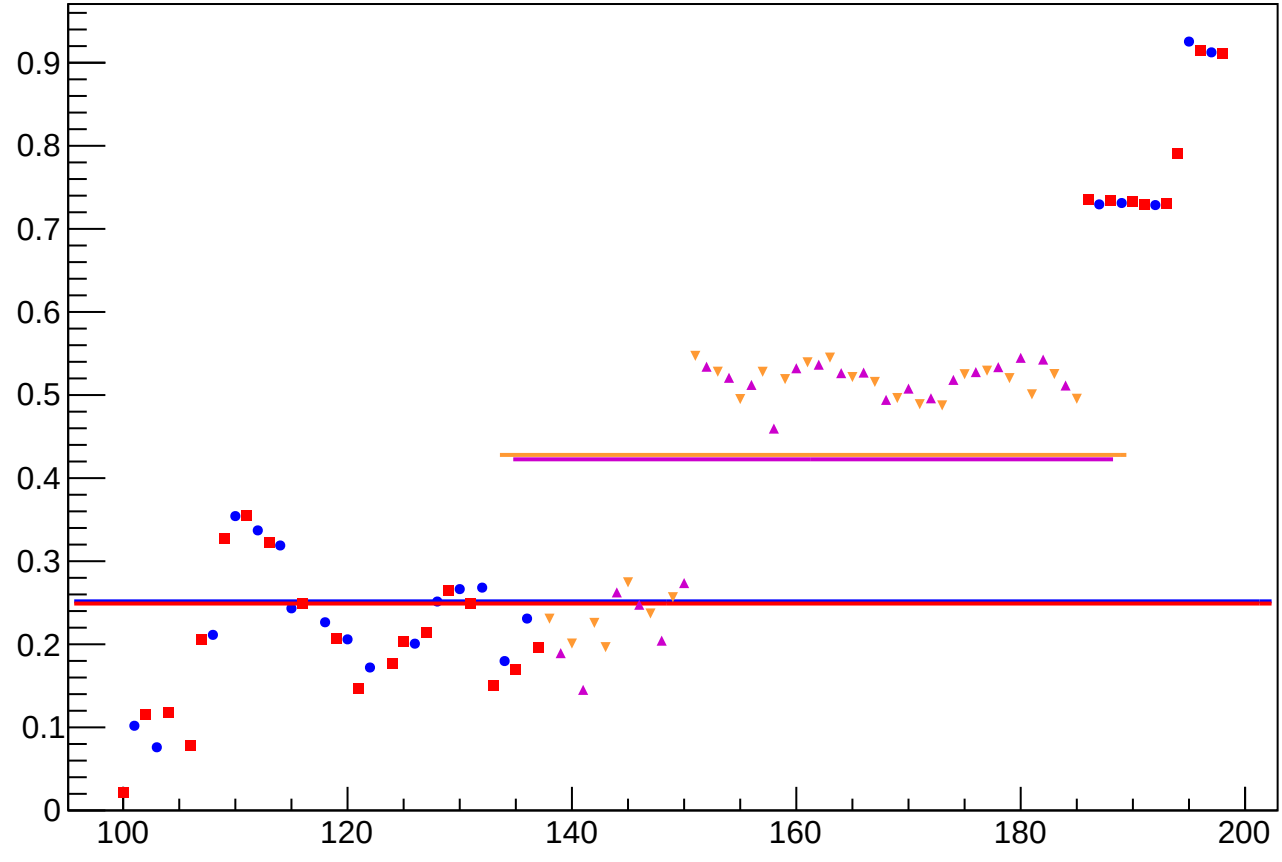
Right: 0.006+/-0.000 χ^2/NDF: 2092505.6/47

In: 0.004+/-0.000 χ^2/NDF:3891280.2/43

Out: 0.004+/-0.000 χ^2/NDF:4364768.0/51

All: 0.004+/-0.000 χ^2/NDF: 8265915.9/95

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.252+/-0.000 χ^2/NDF: 86396176700.4/20

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.249+/-0.000 χ^2/NDF: 123770114698.2/26

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

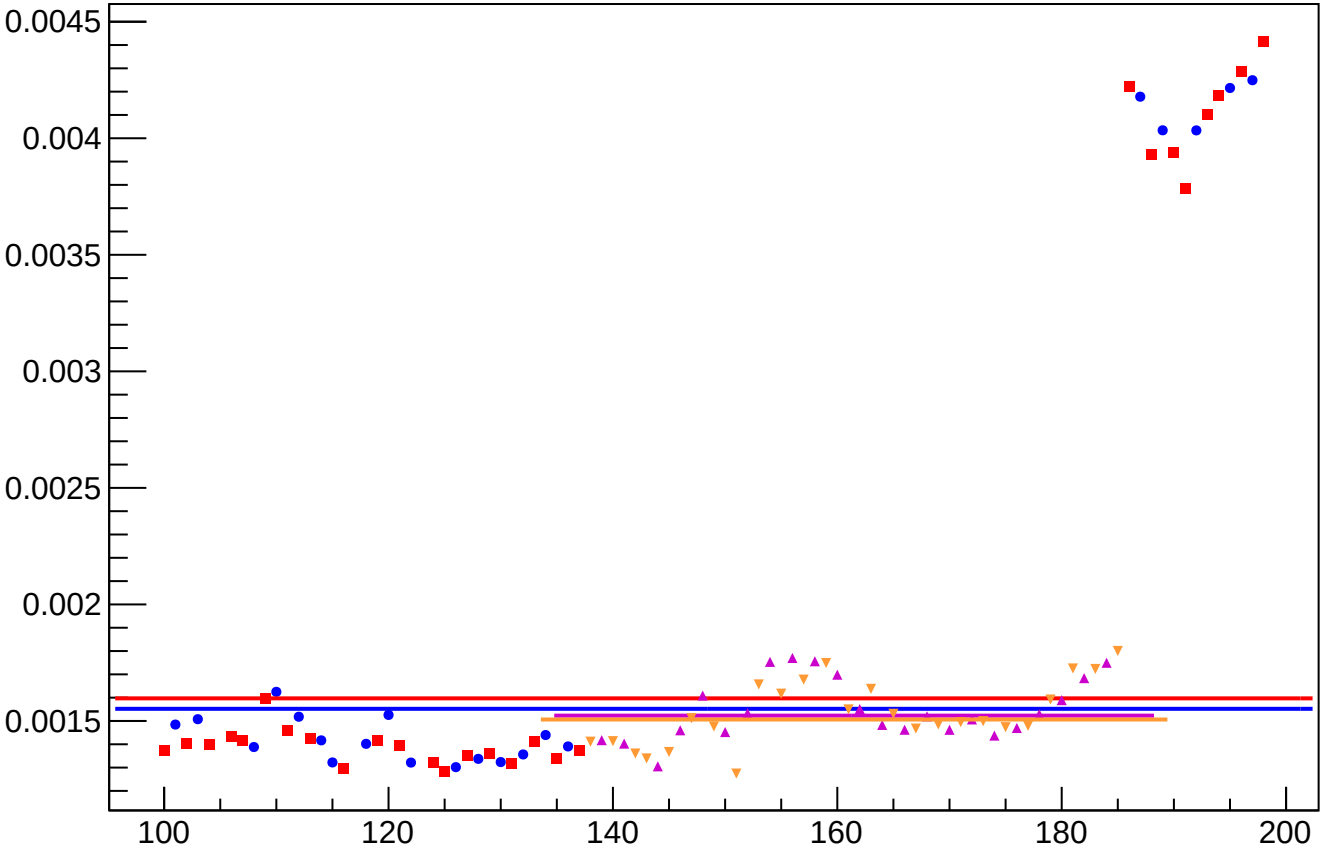
Right: 0.250+/-0.000 χ^2/NDF: 210179770340.4/47

In: 0.367+/-0.000 χ^2/NDF:317804441362.8/43

Out: 0.369+/-0.000 χ^2/NDF:365808903134.4/51

All: 0.368+/-0.000 χ^2/NDF: 683634573665.0

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2849935.7/20

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4361948.6/26

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

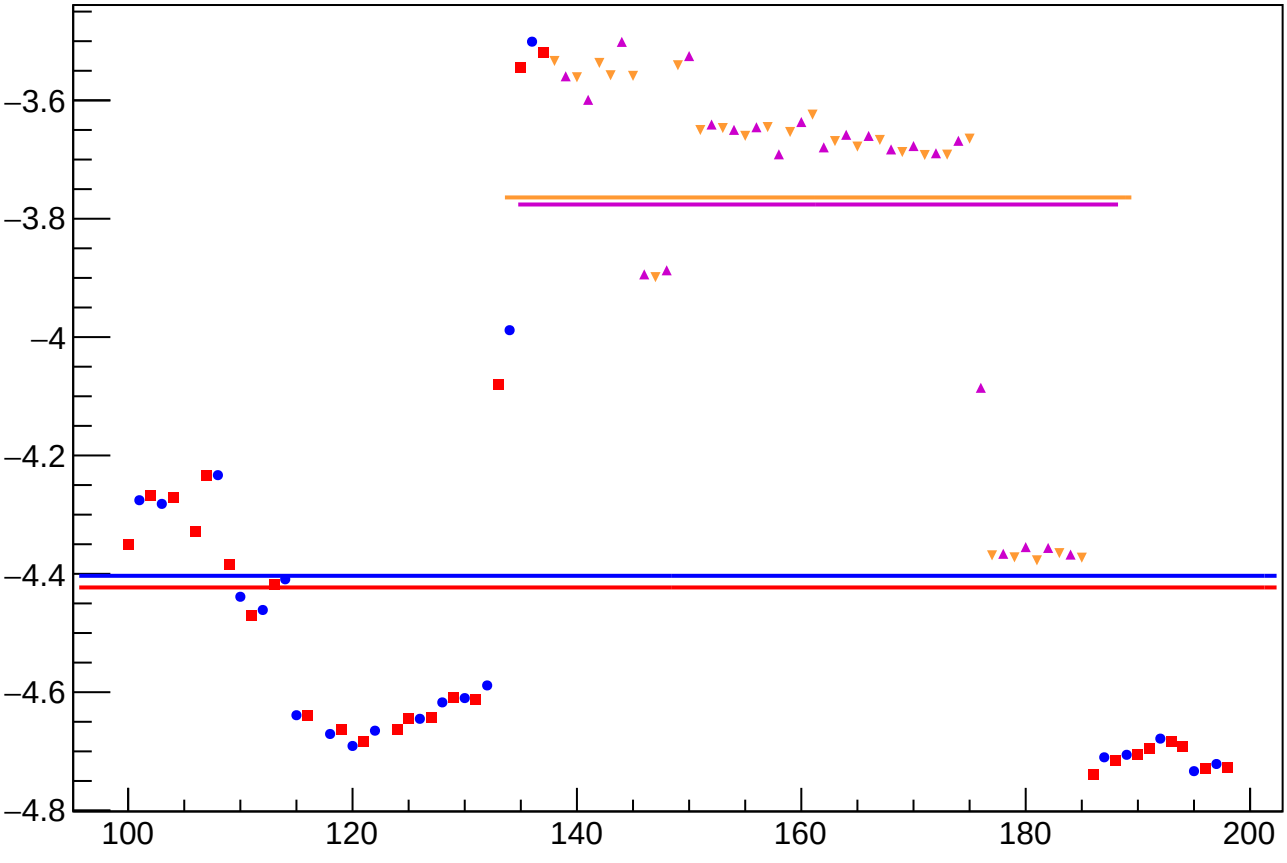
Right: 0.002+/-0.000 χ^2/NDF: 7219717.9/47

In: 0.002+/-0.000 χ^2/NDF:3088915.4/43

Out: 0.002+/-0.000 χ^2/NDF:4686289.5/51

All: 0.002+/-0.000 χ^2/NDF: 7775366.2/95

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.403+/-0.000 χ^2/NDF: 386321329545.2/20

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.423+/-0.000 χ^2/NDF: 345961032922.3/26

Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

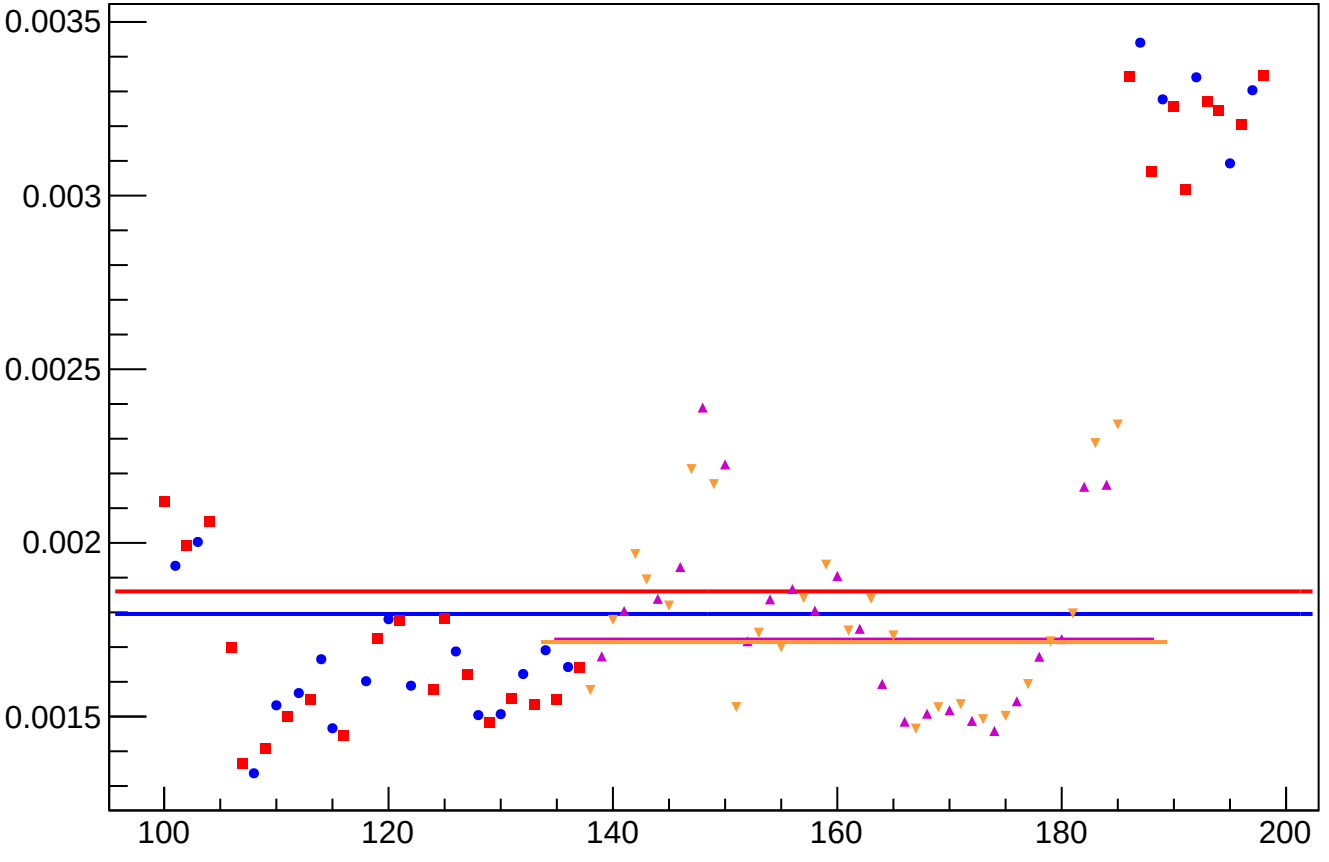
Right: -4.414+/-0.000 χ^2/NDF: 732880100175.3/47

In: -3.984+/-0.000 χ^2/NDF:1561223081999.1/43

Out: -3.988+/-0.000 χ^2/NDF:1761865115087.3/51

All: -3.986+/-0.000 χ^2/NDF: 3323190964485

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1646583.4/20

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 2412582.2/26

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

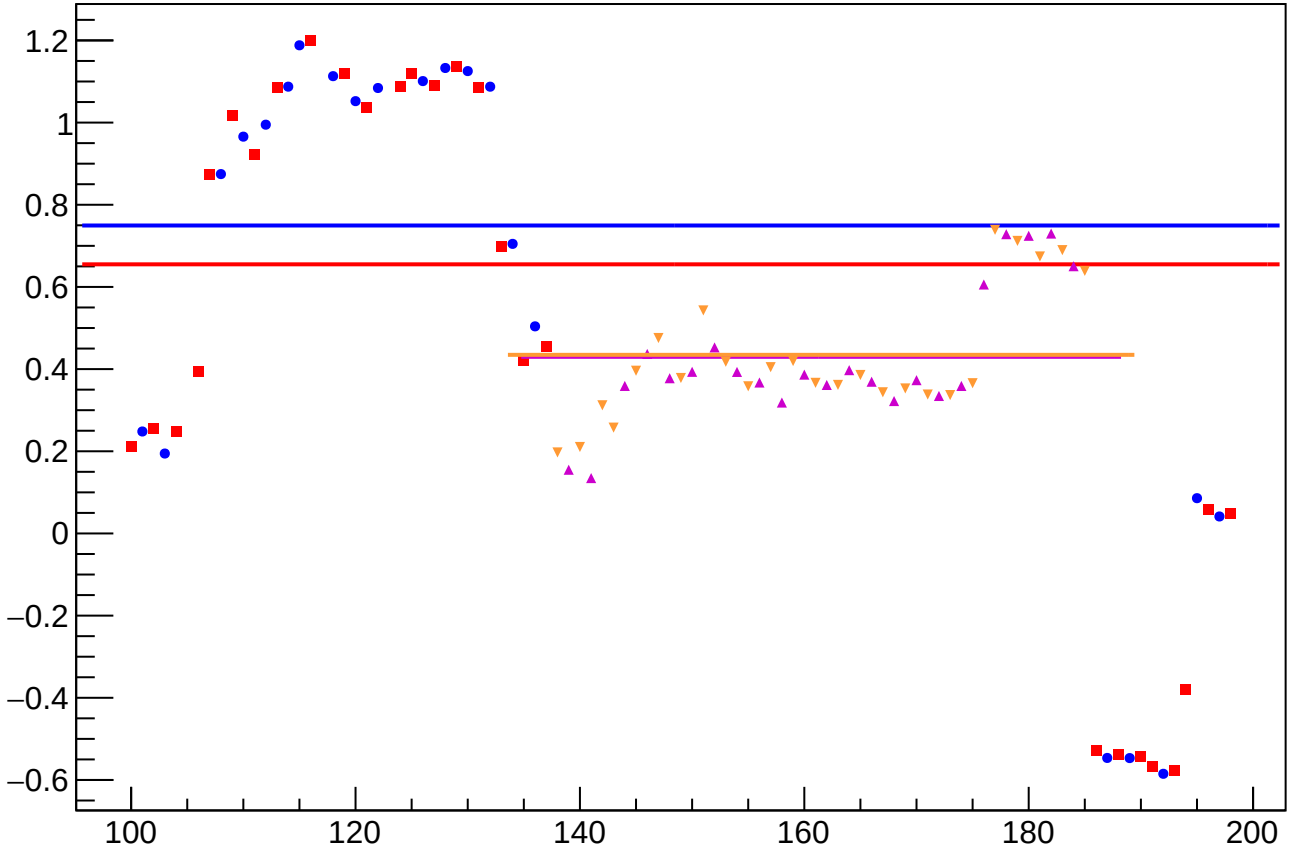
Right: 0.002+/-0.000 χ^2/NDF: 4072209.5/47

In: 0.002+/-0.000 χ^2/NDF:2249777.4/43

Out: 0.002+/-0.000 χ^2/NDF:3066165.2/51

All: 0.002+/-0.000 χ^2/NDF: 5318981.8/95

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.750+/-0.000 χ^2/NDF: 53201462293.0/20

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.655+/-0.000 χ^2/NDF: 78767900567.8/26

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

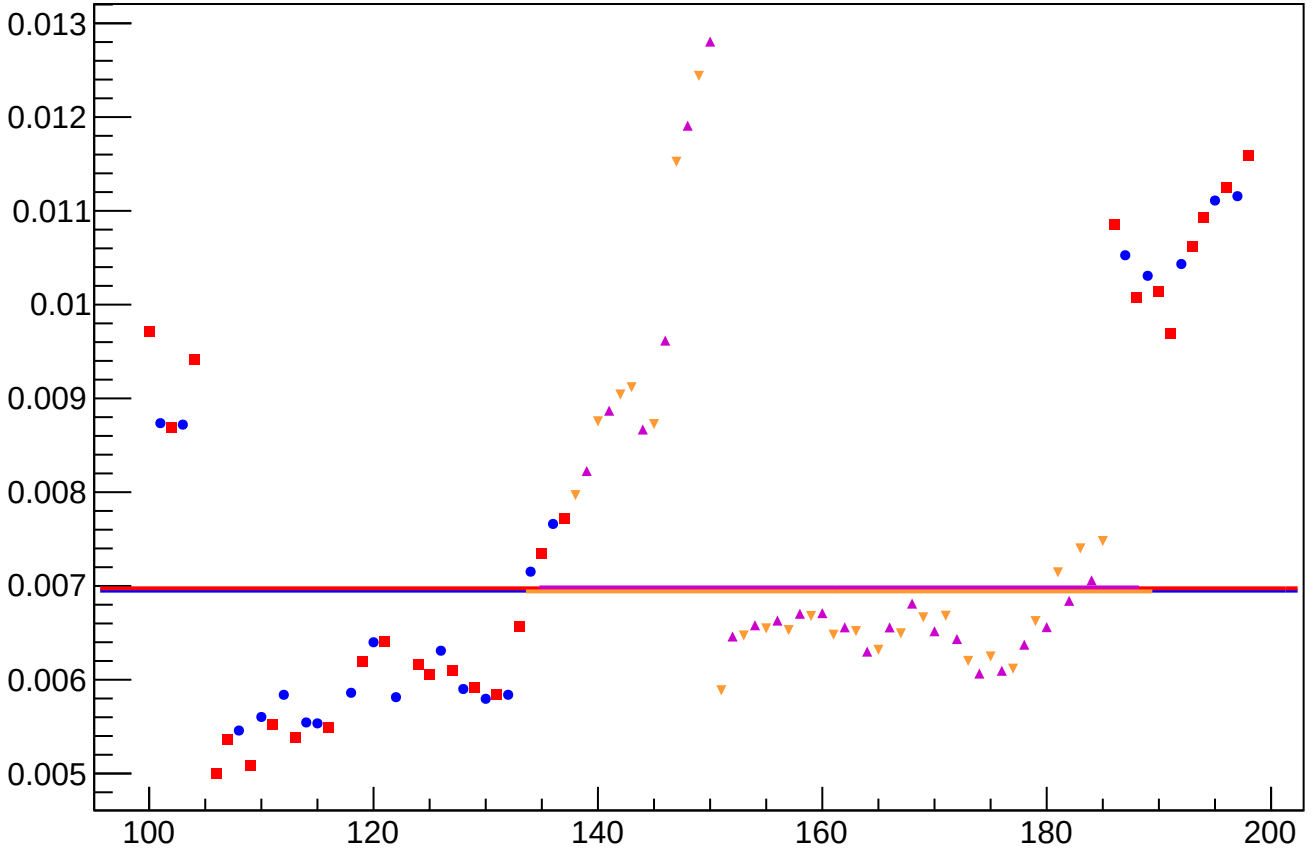
Right: 0.698+/-0.000 χ^2/NDF: 132959946693.0/47

In: 0.545+/-0.000 χ^2/NDF:75622108596.7/43

Out: 0.519+/-0.000 χ^2/NDF:94504540576.3/51

All: 0.532+/-0.000 χ^2/NDF: 170331546279.9

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 1331241.3/20

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 2056563.9/26

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

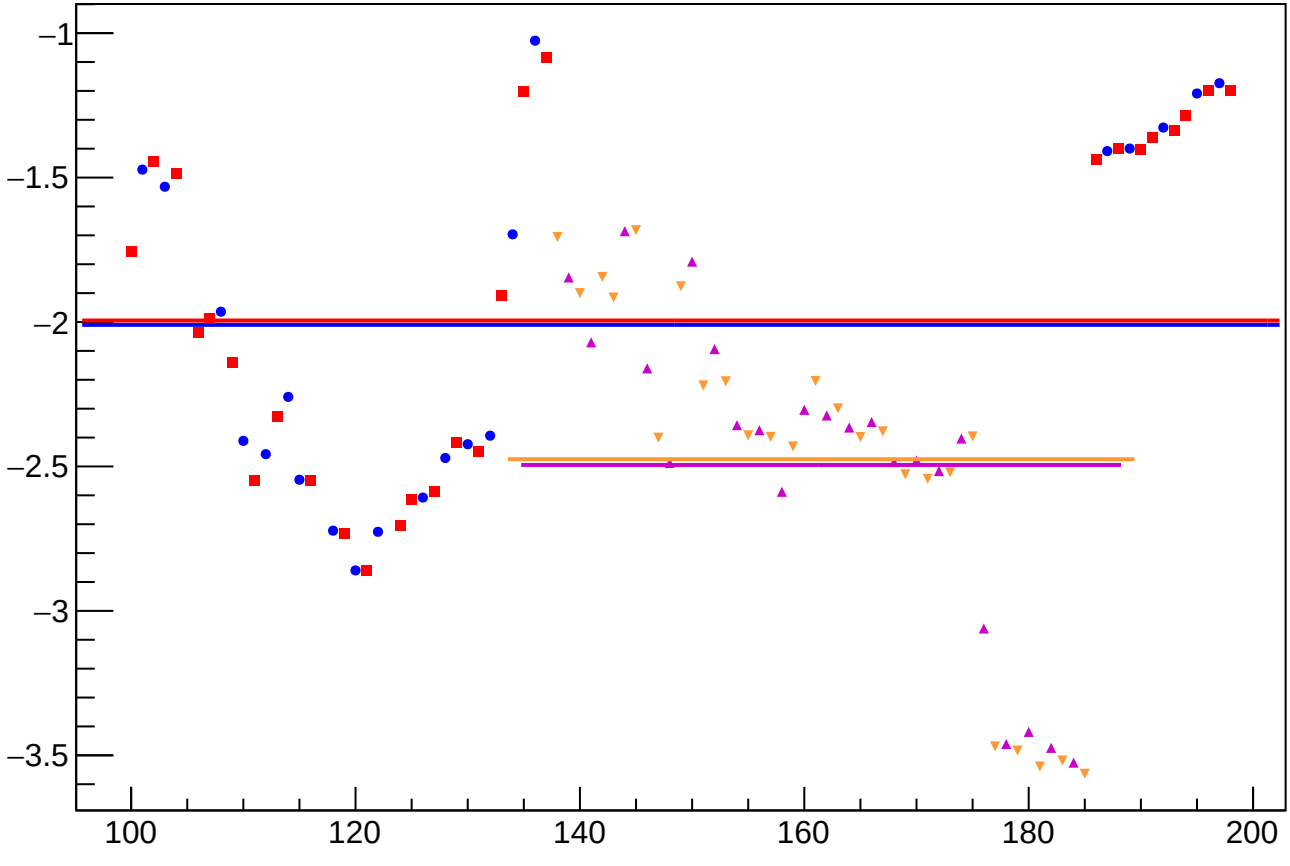
Right: 0.007+/-0.000 χ^2/NDF: 3387936.3/47

In: 0.007+/-0.000 χ^2/NDF:2468066.7/43

Out: 0.007+/-0.000 χ^2/NDF:3147799.1/51

All: 0.007+/-0.000 χ^2/NDF: 5616045.0/95

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.010+/-0.000 χ^2/NDF: 89164666225.6/20

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.995+/-0.000 χ^2/NDF: 91042358475.0/26

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

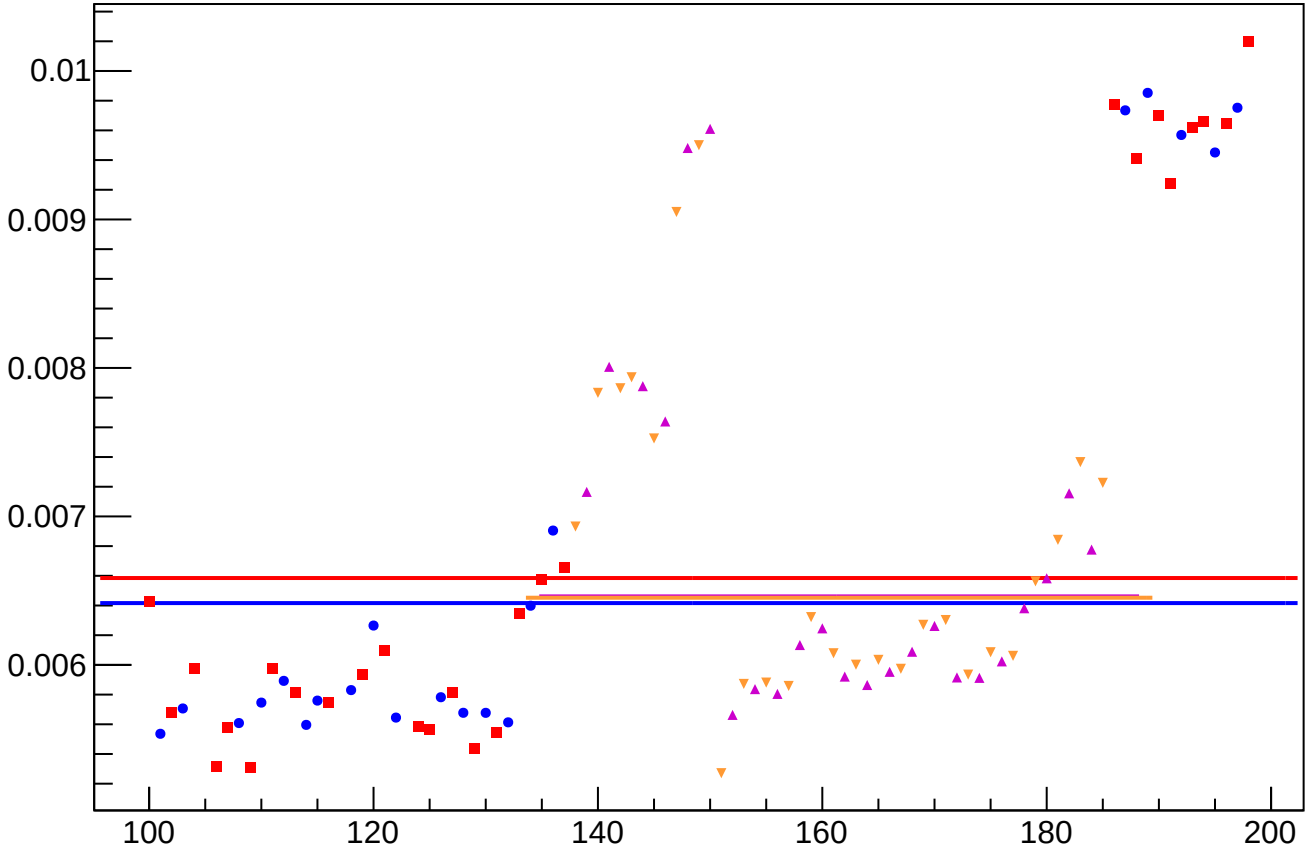
Right: -2.002+/-0.000 χ^2/NDF: 180236480383.5/47

In: -2.318+/-0.000 χ^2/NDF:222728974084.1/43

Out: -2.293+/-0.000 χ^2/NDF:253812424747.3/51

All: -2.305+/-0.000 χ^2/NDF: 476770538987.9

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 948296.0/20

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 1417585.3/26

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

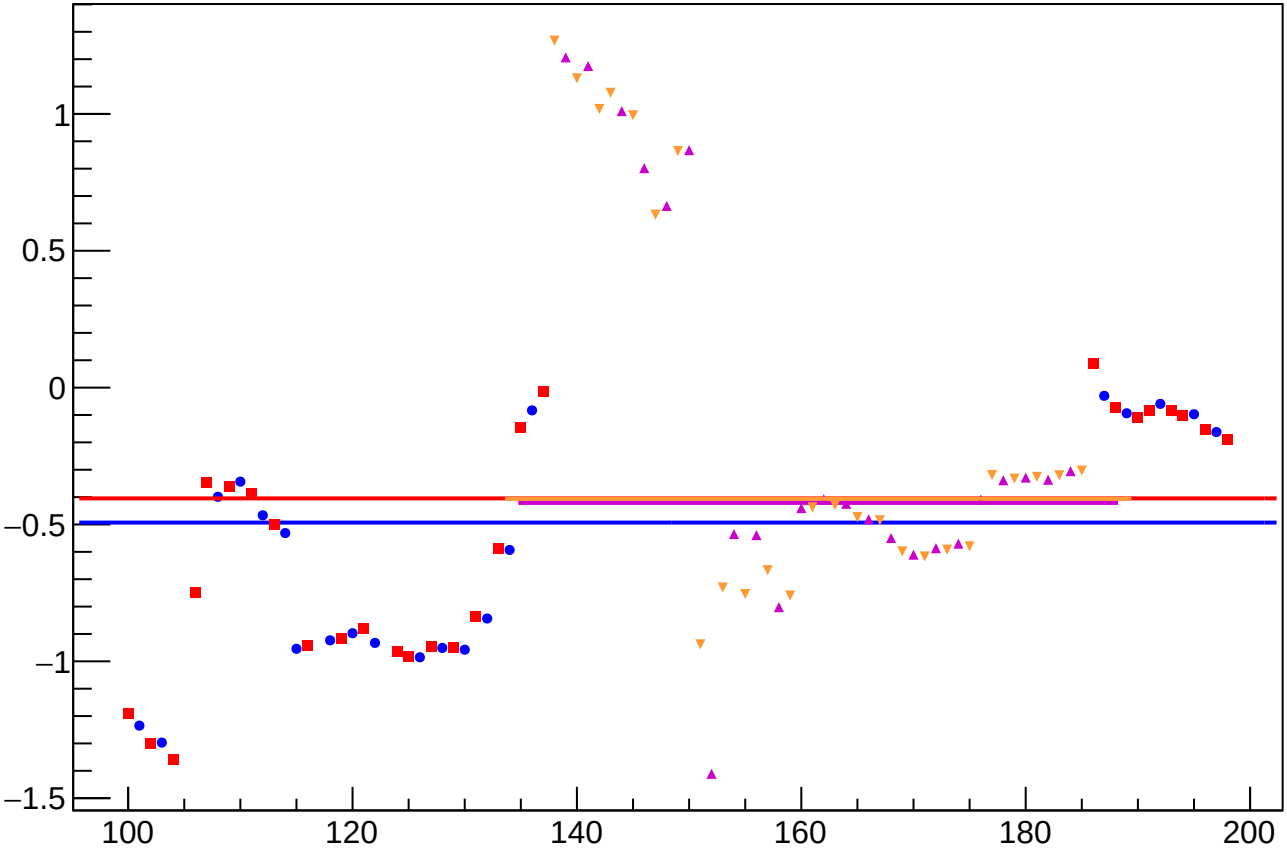
Right: 0.007+/-0.000 χ^2/NDF: 2373322.1/47

In: 0.006+/-0.000 χ^2/NDF:1669573.6/43

Out: 0.007+/-0.000 χ^2/NDF:2136901.2/51

All: 0.006+/-0.000 χ^2/NDF: 3808824.5/95

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.493+/-0.000 χ^2/NDF: 21979322135.6/20

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.405+/-0.000 χ^2/NDF: 26377892678.1/26

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

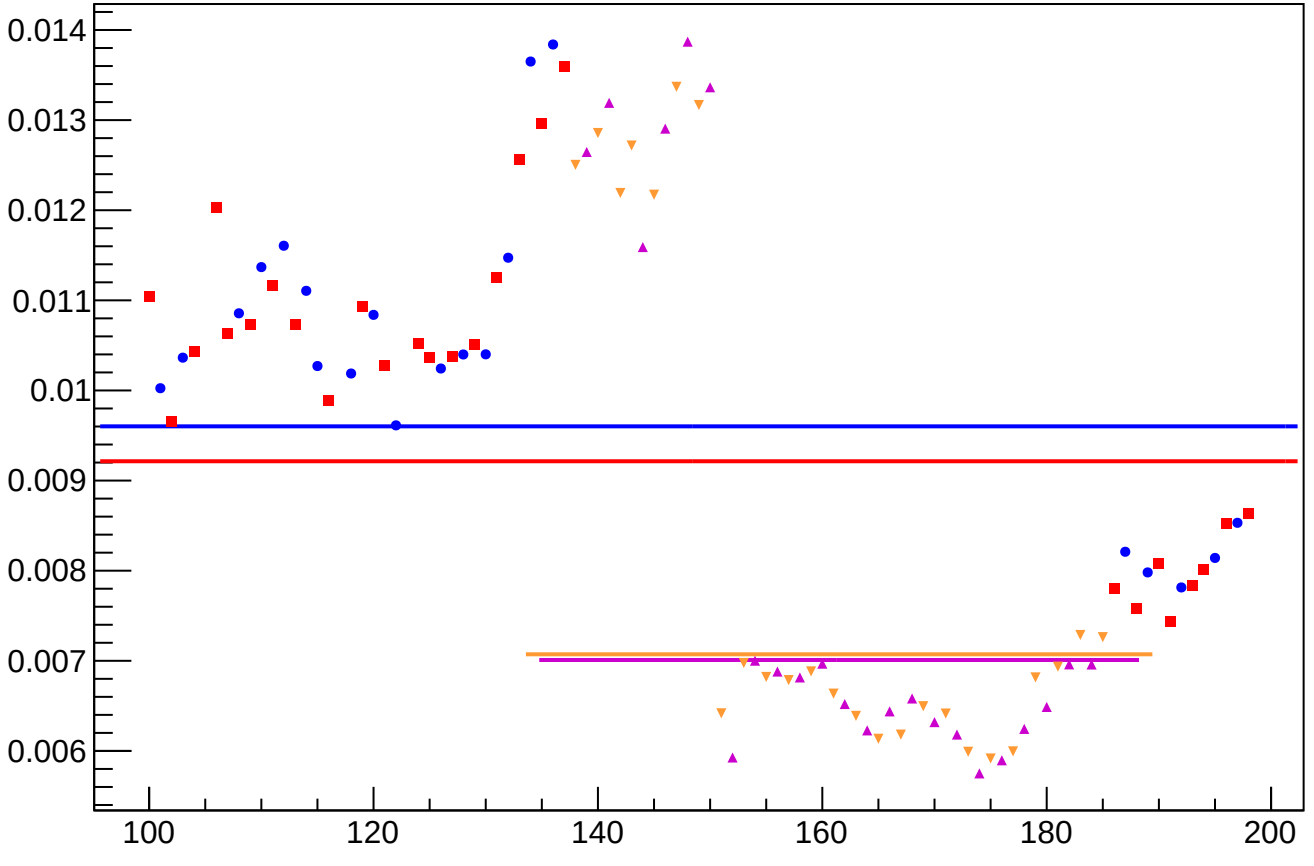
Right: -0.443+/-0.000 χ^2/NDF: 48844548004.8/47

In: -0.439+/-0.000 χ^2/NDF:112651762922.6/43

Out: -0.406+/-0.000 χ^2/NDF:108011717043.4/51

All: -0.421+/-0.000 χ^2/NDF: 220923584292.6

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 584041.9/20

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

Right Out: 0.009+/-0.000 χ^2/NDF: 670933.9/26

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

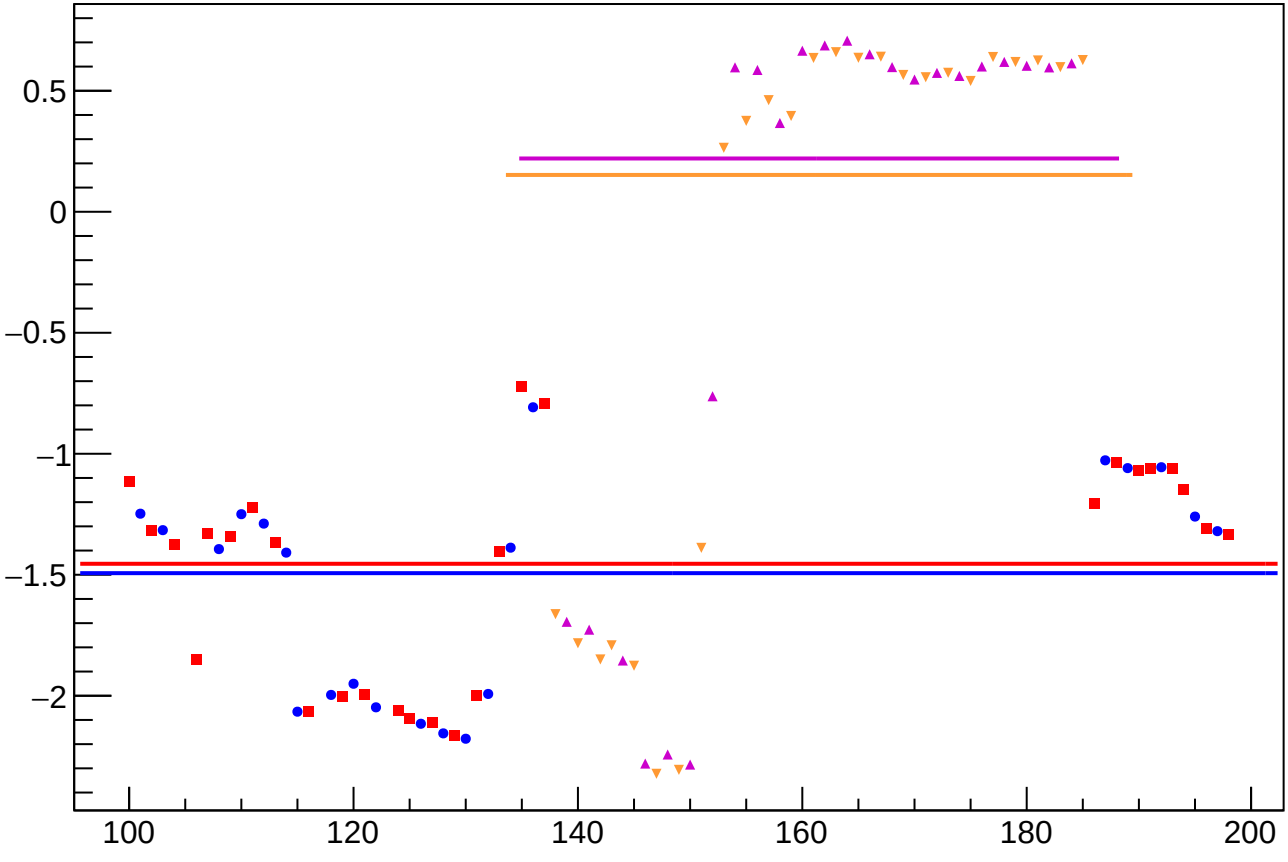
Right: 0.009+/-0.000 χ^2/NDF: 1273671.6/47

In: 0.008+/-0.000 χ^2/NDF:4159915.1/43

Out: 0.008+/-0.000 χ^2/NDF:3993150.4/51

All: 0.008+/-0.000 χ^2/NDF: 8154102.9/95

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.493+/-0.000 χ^2/NDF: 180757152198.5/20

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.455+/-0.000 χ^2/NDF: 171378959981.2/26

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

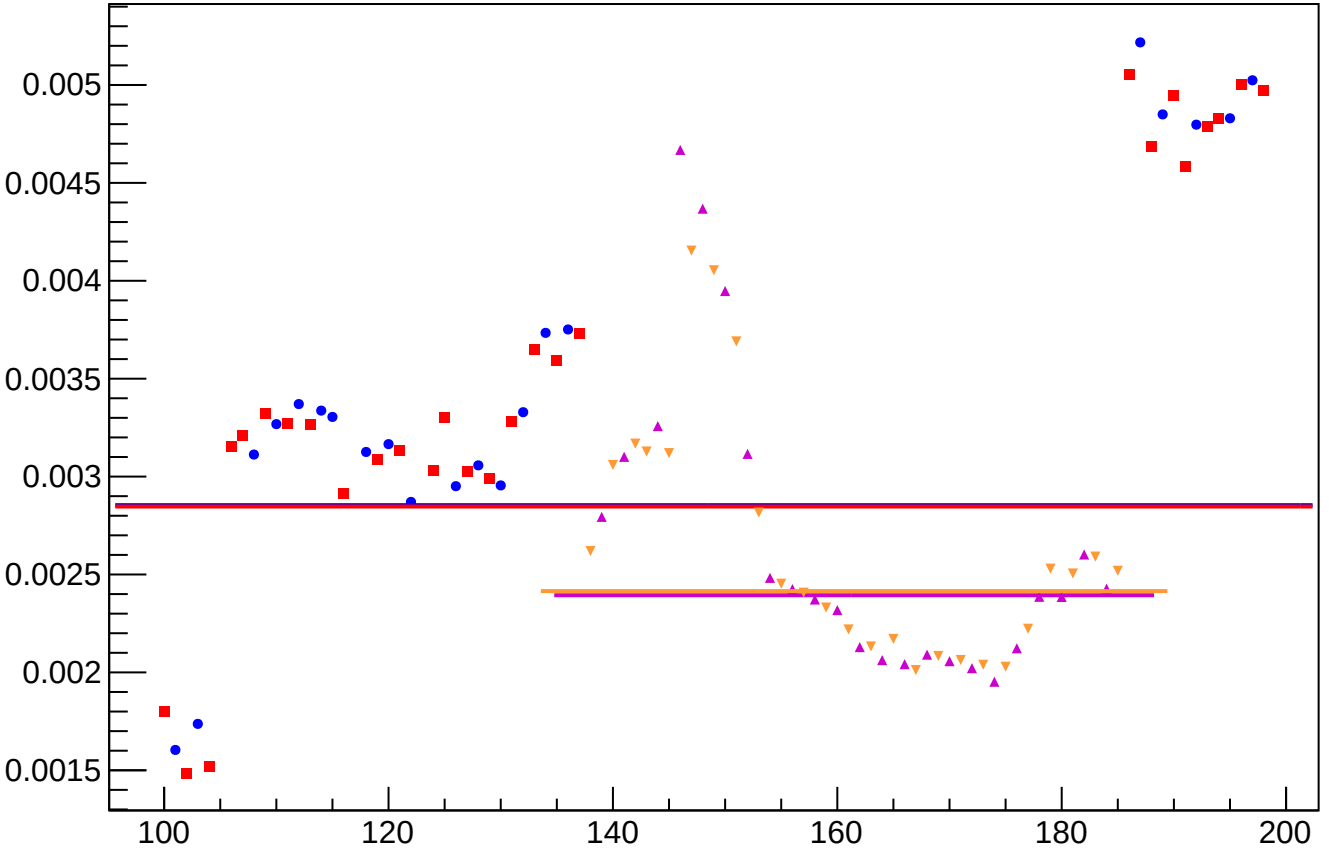
Right: -1.473+/-0.000 χ^2/NDF: 352995782182.5/47

In: -0.254+/-0.000 χ^2/NDF:4566595286351.1/43

Out: -0.325+/-0.000 χ^2/NDF:4815256411511.7/51

All: -0.291+/-0.000 χ^2/NDF: 9392105120348

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 2475705.1/20

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3704069.2/26

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

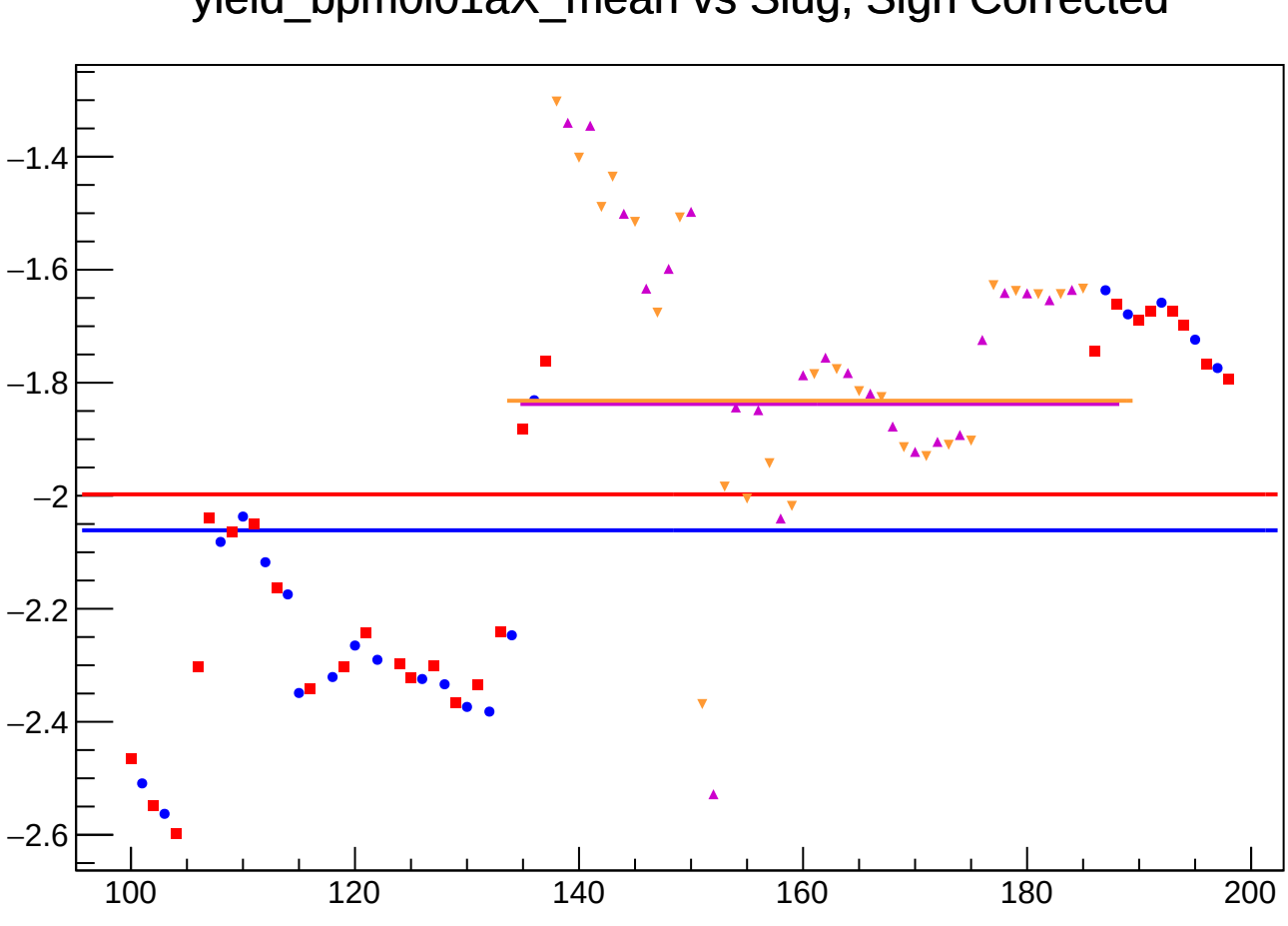
Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

Right: 0.003+/-0.000 χ^2/NDF: 6179829.9/47

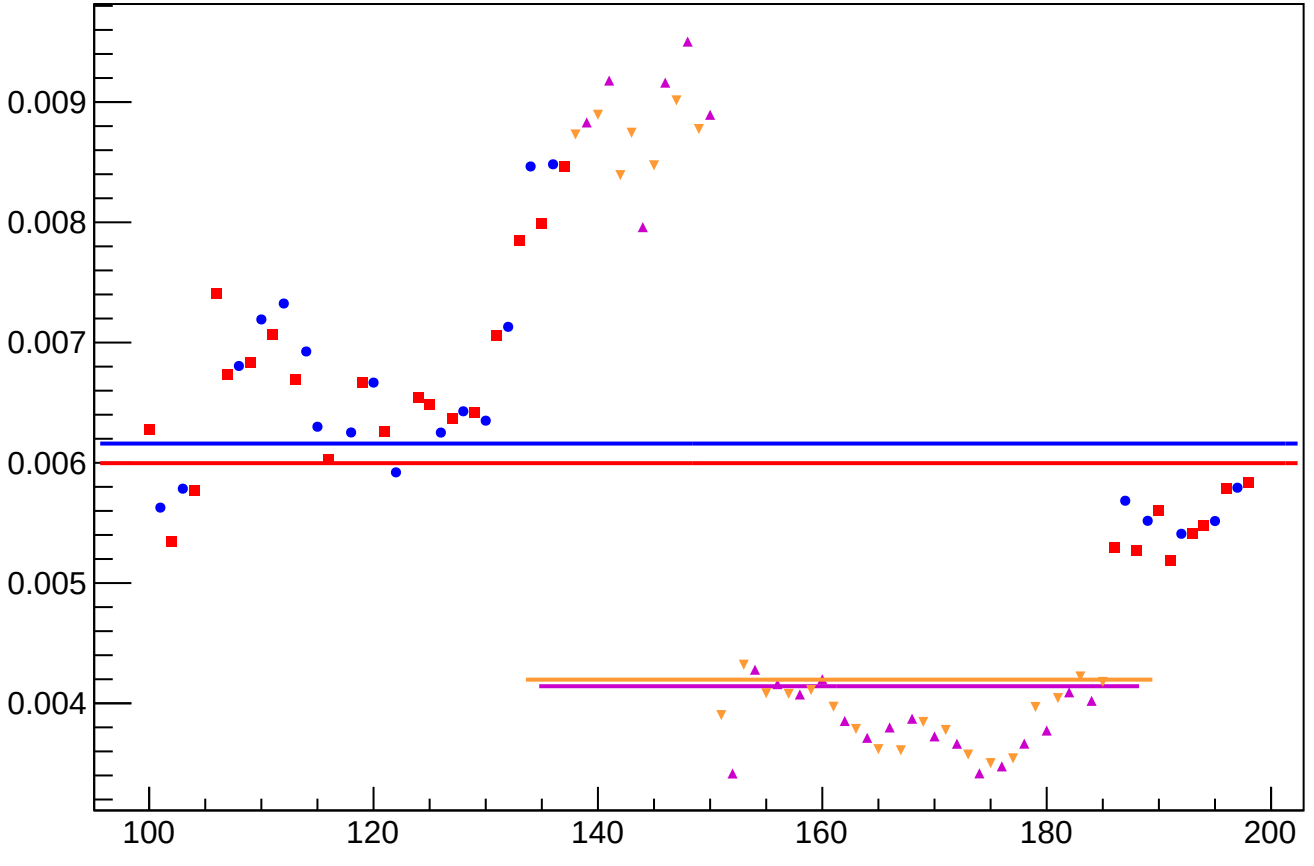
In: 0.003+/-0.000 χ^2/NDF:4211632.3/43

Out: 0.003+/-0.000 χ^2/NDF:5248988.1/51

All: 0.003+/-0.000 χ^2/NDF: 9462599.2/95


yield_bpm0i01aX_mean vs Slug, Sign Corrected
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
100
120
140
160
180
200
Right In: -2.061+/-0.000 χ²/NDF: 29088418773.1/20
Left Out: -1.832+/-0.000 χ²/NDF:38365576589.1/24
Right Out: -1.997+/-0.000 χ²/NDF: 35739913554.9/26
Left In: -1.838+/-0.000 χ²/NDF:53437434367.2/22
Left: -1.835+/-0.000 χ²/NDF: 91818701563.9/47
Right: -2.026+/-0.000 χ²/NDF: 65434806289.0/47
In: -1.887+/-0.000 χ²/NDF:92937286215.3/43
Out: -1.875+/-0.000 χ²/NDF:81016130992.4/51
All: -1.881+/-0.000 χ²/NDF: 174051359765.5

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 356192.9/20

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 376853.7/26

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

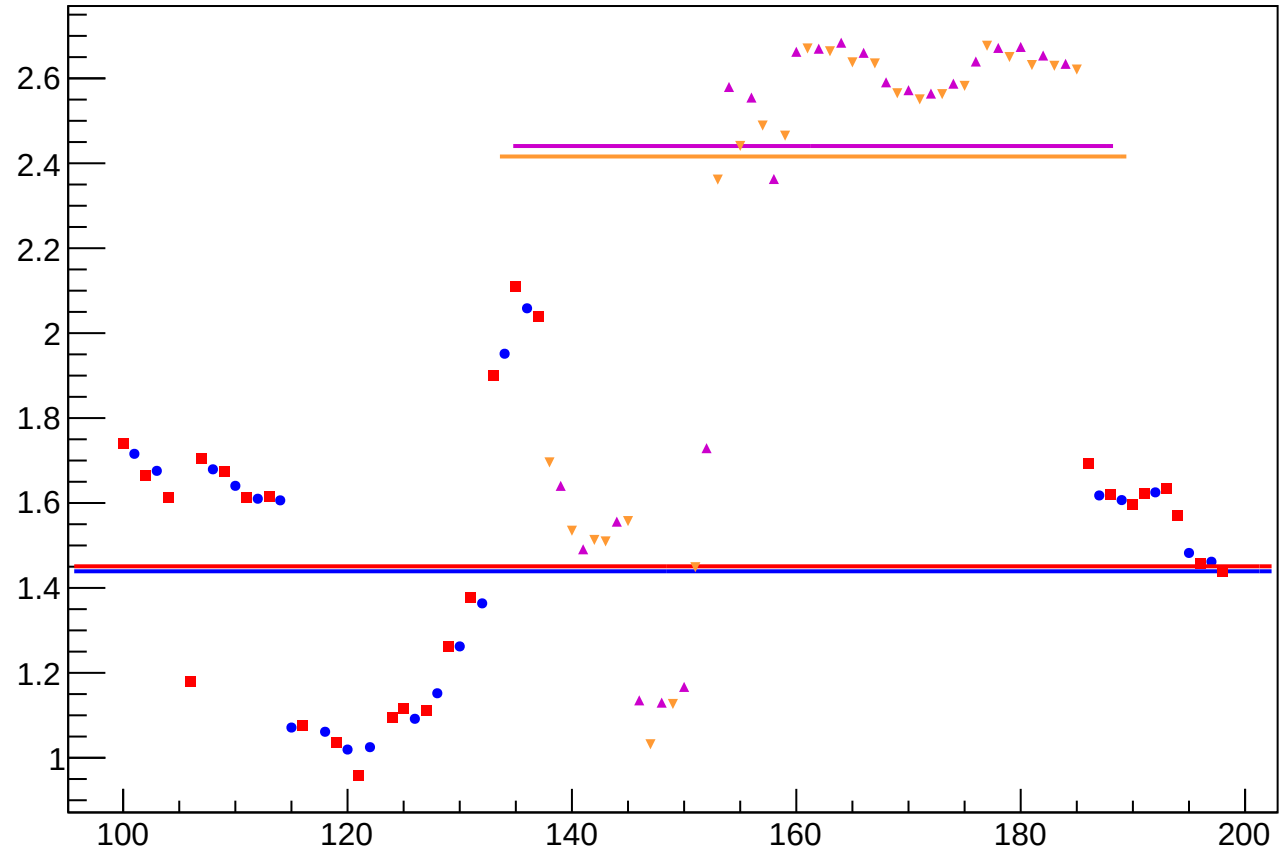
Right: 0.006+/-0.000 χ^2/NDF: 741015.1/47

In: 0.005+/-0.000 χ^2/NDF:5247417.8/43

Out: 0.005+/-0.000 χ^2/NDF:5101641.6/51

All: 0.005+/-0.000 χ^2/NDF: 10355696.3/95

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.439+/-0.000 χ^2/NDF: 191283688025.3/20

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.451+/-0.000 χ^2/NDF: 186305375713.1/26

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

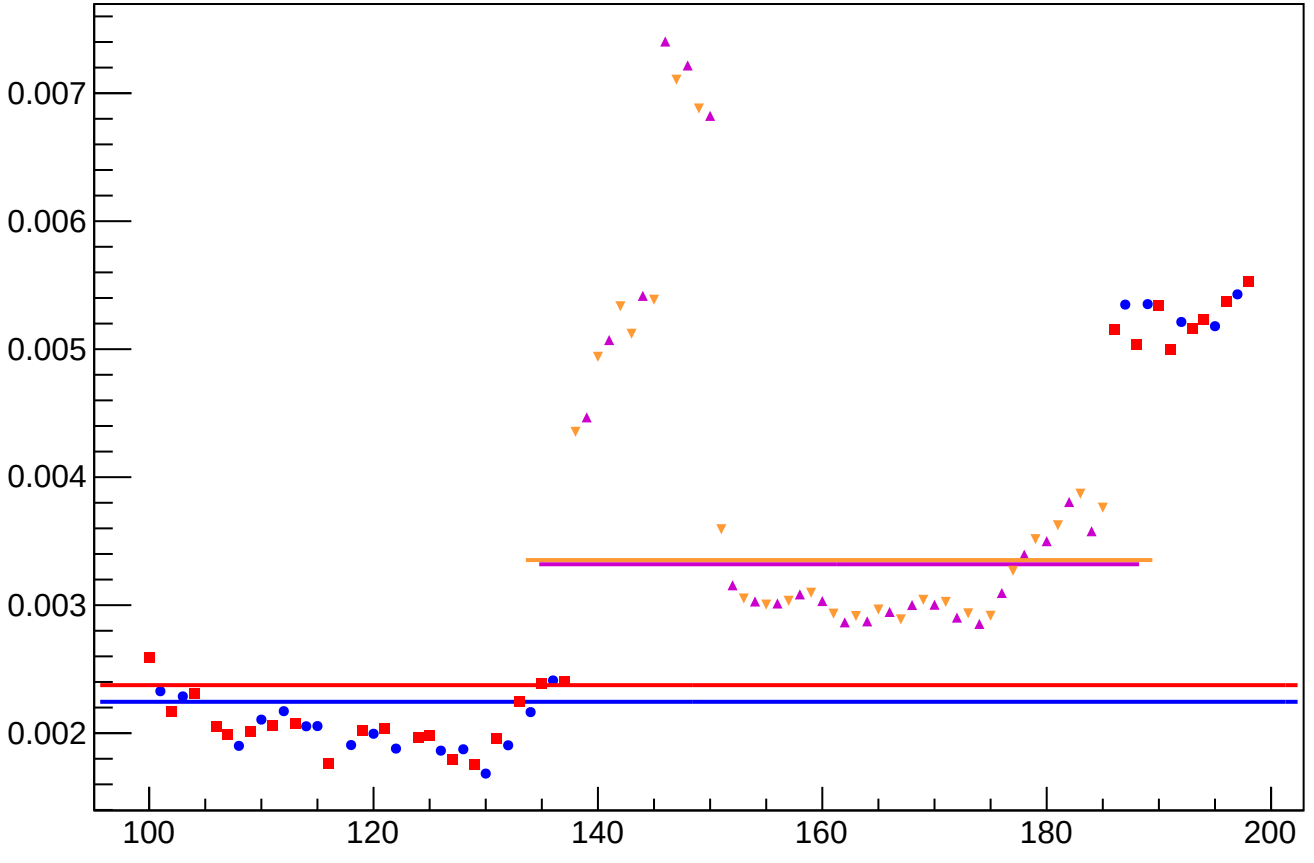
Right: 1.445+/-0.000 χ^2/NDF: 377711699887.8/47

In: 1.899+/-0.000 χ^2/NDF:1226917459948.0/43

Out: 1.895+/-0.000 χ^2/NDF:1210358976329.7/51

All: 1.897+/-0.000 χ^2/NDF: 2437307258414.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2538144.0/20

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3647085.8/26

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

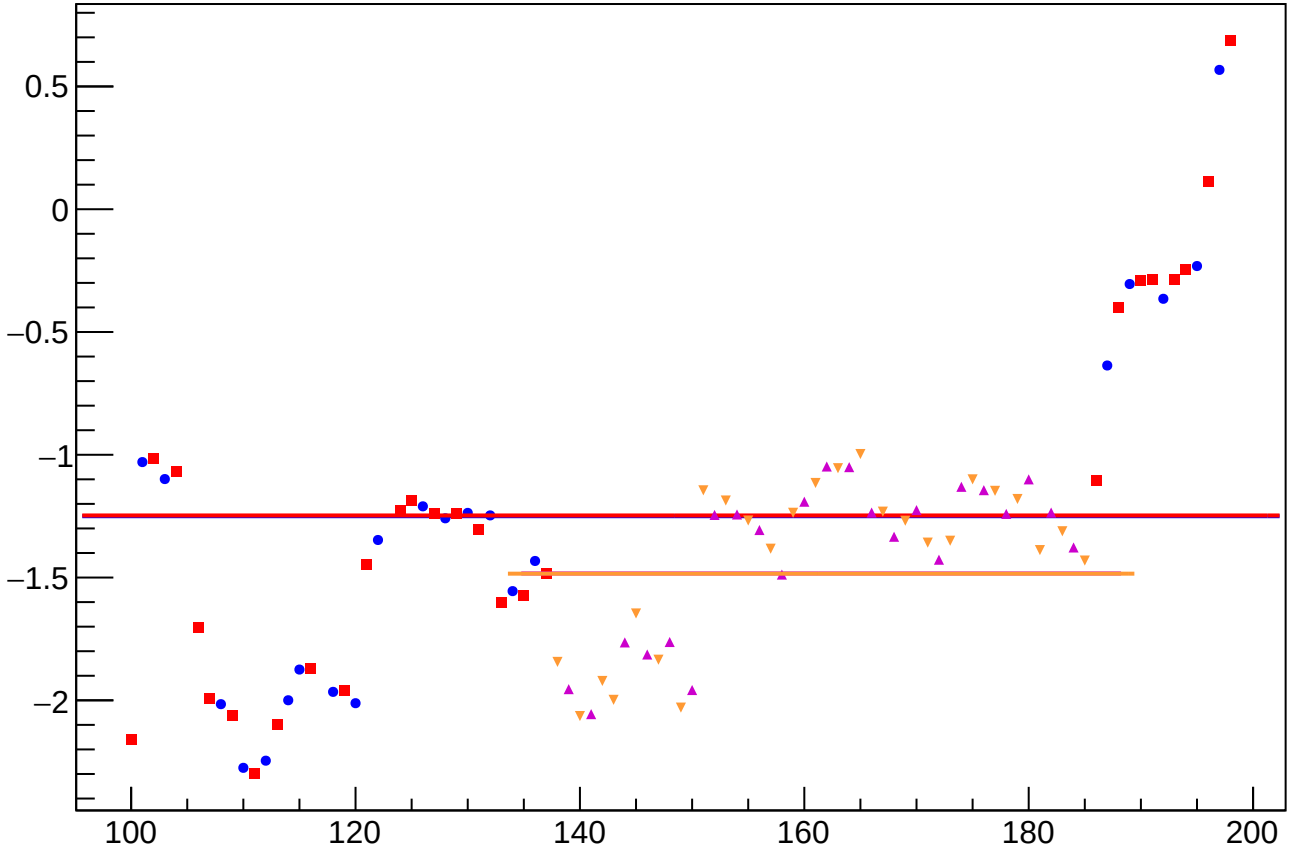
Right: 0.002+/-0.000 χ^2/NDF: 6215410.9/47

In: 0.003+/-0.000 χ^2/NDF:6444922.2/43

Out: 0.003+/-0.000 χ^2/NDF:7068868.5/51

All: 0.003+/-0.000 χ^2/NDF: 13538227.2/95

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.250+/-0.000 χ^2/NDF: 75909394763.9/20

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -1.247+/-0.000 χ^2/NDF: 122717764489.9/26

Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

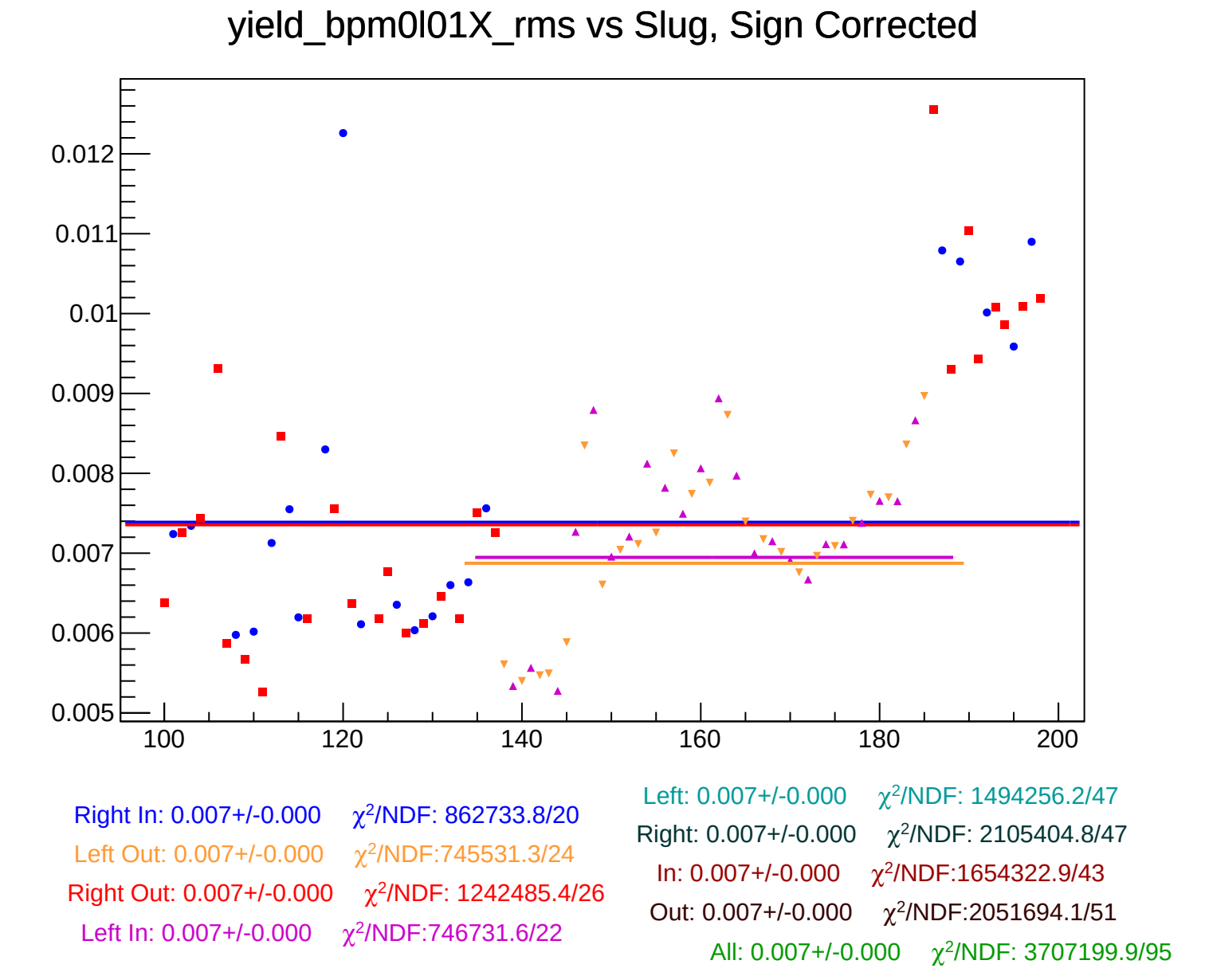
Left: -1.484+/-0.000 χ^2/NDF: 88792333216.2/47

Right: -1.249+/-0.000 χ^2/NDF: 198628099423.9/47

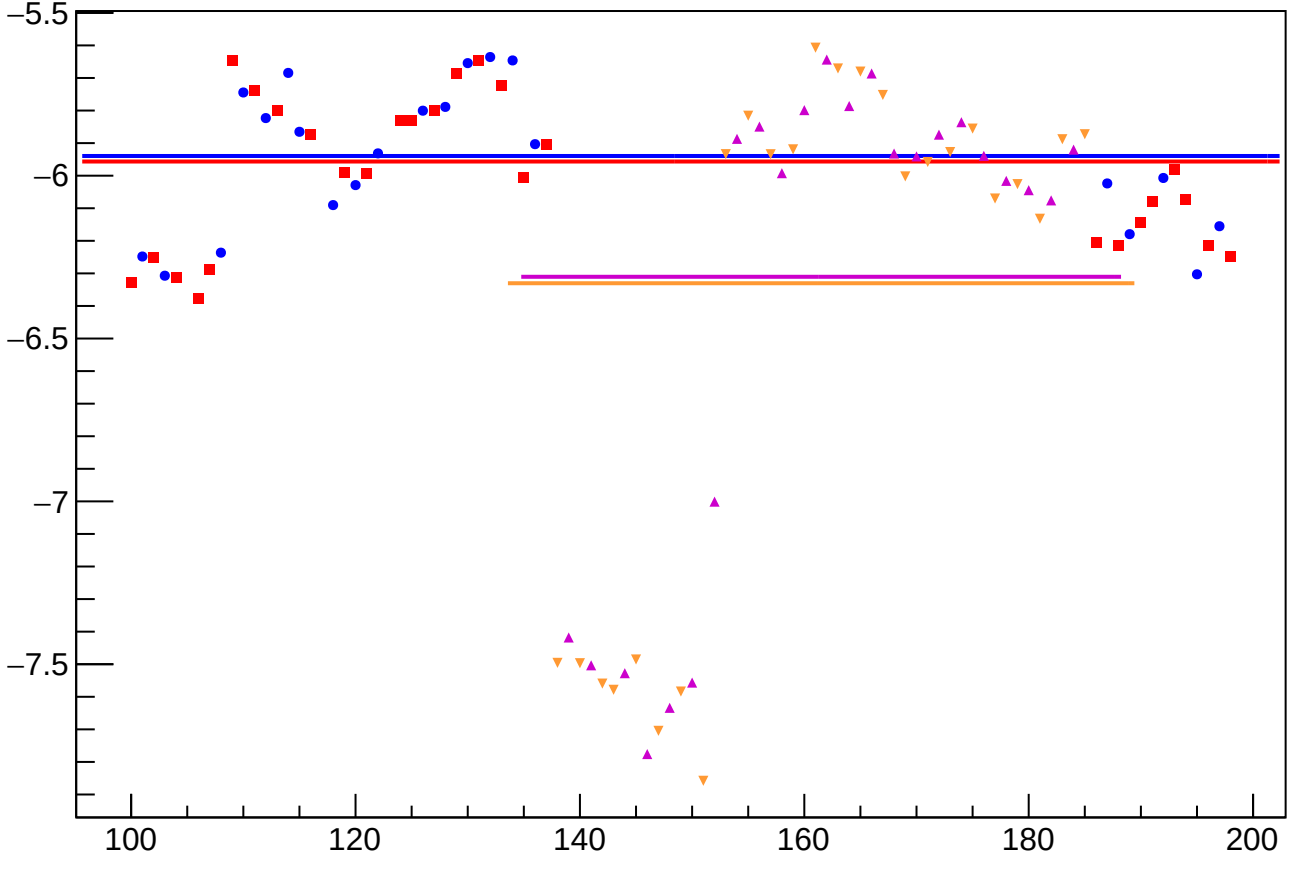
In: -1.407+/-0.000 χ^2/NDF:122571153390.4/43

Out: -1.399+/-0.000 χ^2/NDF:178859326765.0/51

All: -1.403+/-0.000 χ^2/NDF: 301444870991.6


yield_bpm0l01X_rms vs Slug, Sign Corrected
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
100
120
140
160
180
200
Right In: 0.007+/-0.000 χ²/NDF: 862733.8/20
Left Out: 0.007+/-0.000 χ²/NDF:745531.3/24
Right Out: 0.007+/-0.000 χ²/NDF: 1242485.4/26
Left In: 0.007+/-0.000 χ²/NDF:746731.6/22
Left: 0.007+/-0.000 χ²/NDF: 1494256.2/47
Right: 0.007+/-0.000 χ²/NDF: 2105404.8/47
In: 0.007+/-0.000 χ²/NDF:1654322.9/43
Out: 0.007+/-0.000 χ²/NDF:2051694.1/51
All: 0.007+/-0.000 χ²/NDF: 3707199.9/95

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.940+/-0.000 χ^2/NDF: 12903137558.3/20

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.957+/-0.000 χ^2/NDF: 14217837913.4/26

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

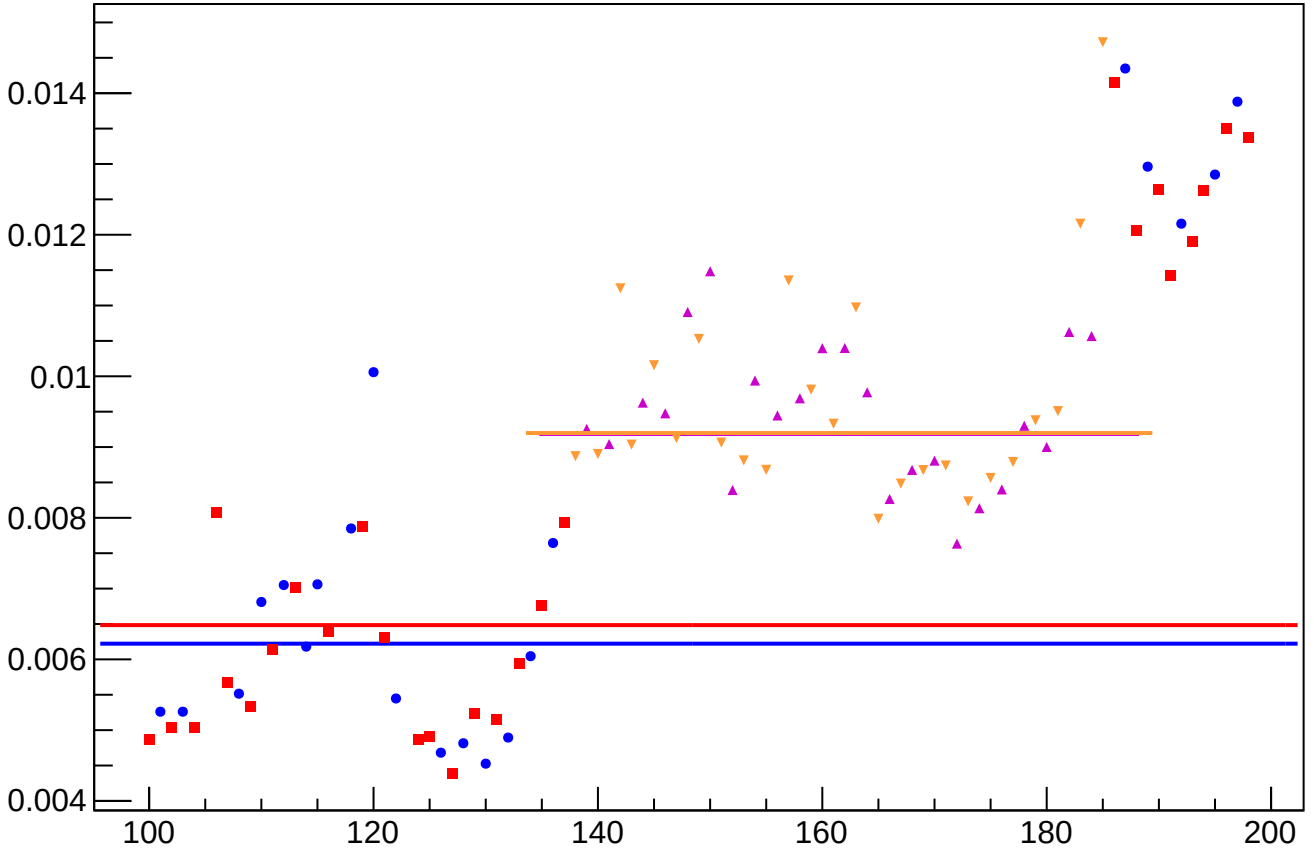
Right: -5.948+/-0.000 χ^2/NDF: 27154105111.6/47

In: -6.109+/-0.000 χ^2/NDF:118252984301.3/43

Out: -6.121+/-0.000 χ^2/NDF:139458770045.1/51

All: -6.115+/-0.000 χ^2/NDF: 257743080558.9

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2432263.2/20

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.006+/-0.000 χ^2/NDF: 3182038.1/26

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

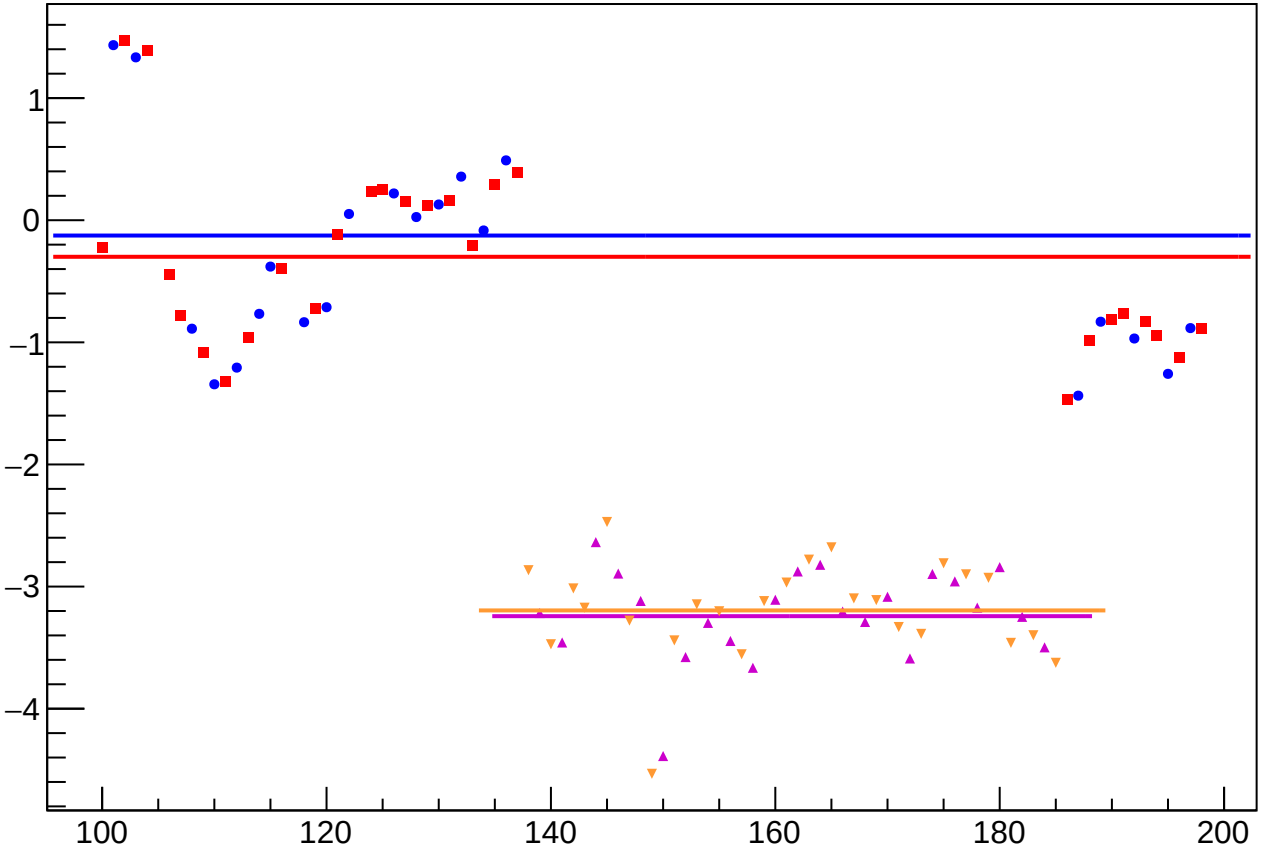
Right: 0.006+/-0.000 χ^2/NDF: 5630082.9/47

In: 0.008+/-0.000 χ^2/NDF:4494228.6/43

Out: 0.008+/-0.000 χ^2/NDF:5122507.0/51

All: 0.008+/-0.000 χ^2/NDF: 9621365.3/95

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -0.125+/-0.000 χ^2/NDF: 29381663507.4/20

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.299+/-0.000 χ^2/NDF: 33023881112.4/26

Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

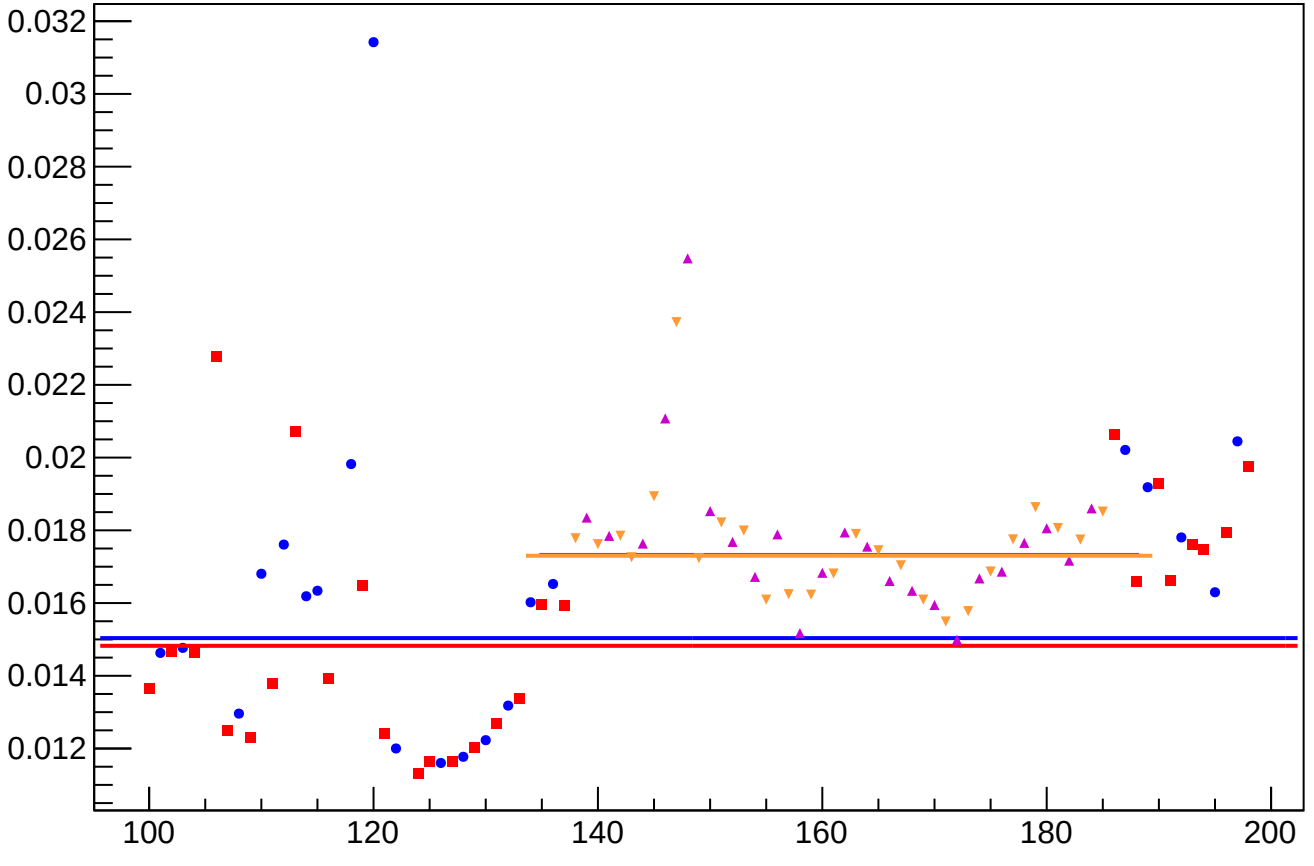
Right: -0.223+/-0.000 χ^2/NDF: 63113977014.2/47

In: -1.942+/-0.000 χ^2/NDF:273972374643.2/43

Out: -1.859+/-0.000 χ^2/NDF:282757967203.8/51

All: -1.898+/-0.000 χ^2/NDF: 557103167567.2

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 763040.1/20

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.015+/-0.000 χ^2/NDF: 796168.2/26

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

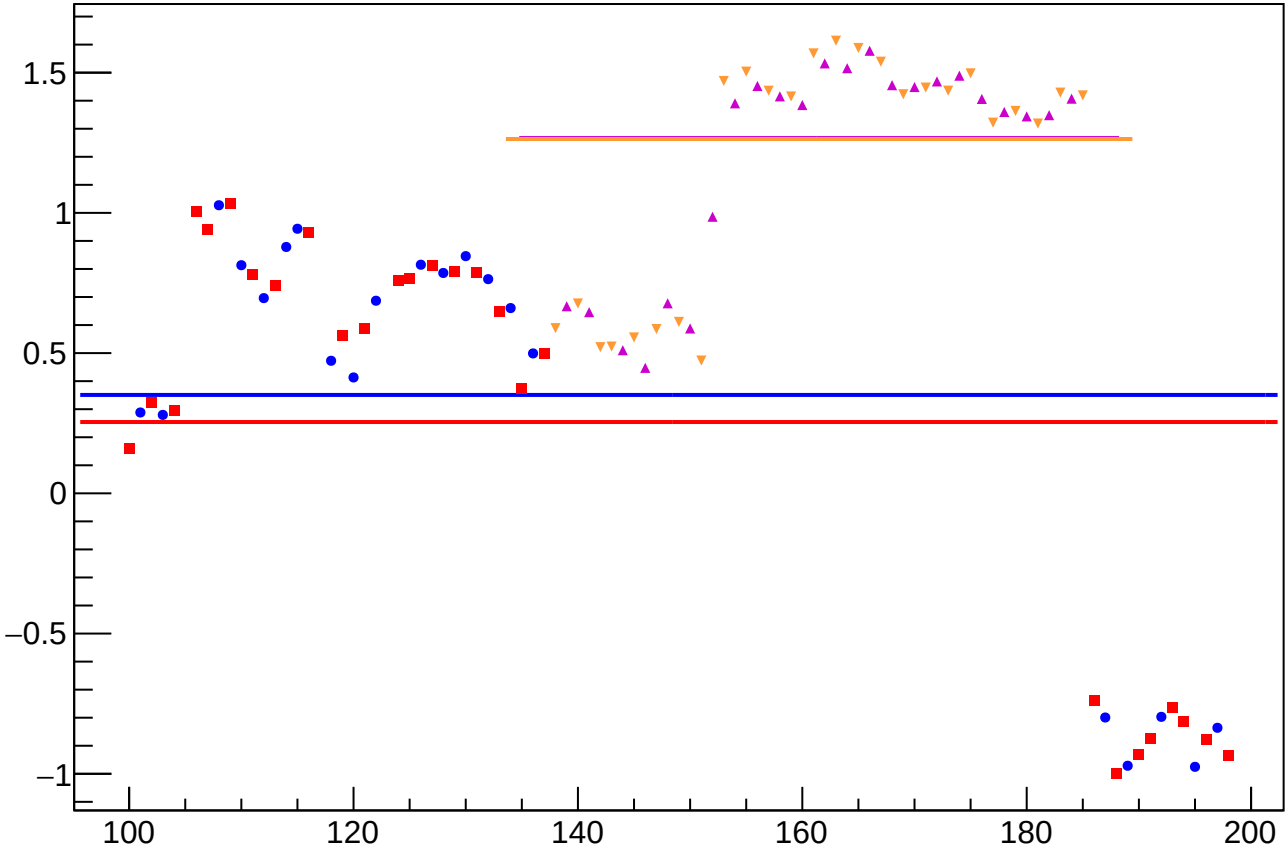
Right: 0.015+/-0.000 χ^2/NDF: 1561307.2/47

In: 0.016+/-0.000 χ^2/NDF:1347618.7/43

Out: 0.016+/-0.000 χ^2/NDF:1365591.8/51

All: 0.016+/-0.000 χ^2/NDF: 2717976.7/95

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.351+/-0.000 χ^2/NDF: 42494987128.5/20

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.254+/-0.000 χ^2/NDF: 63396794693.5/26

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

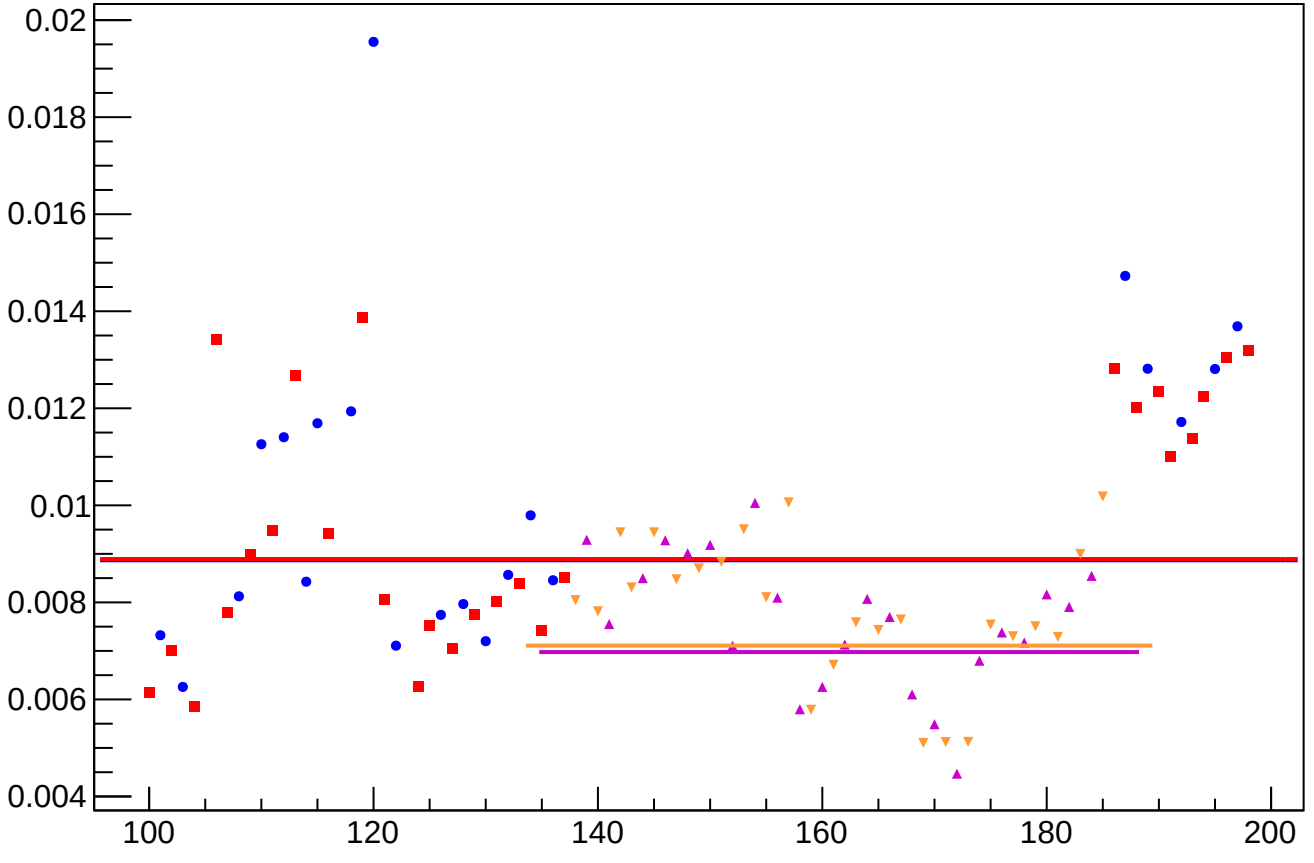
Right: 0.298+/-0.000 χ^2/NDF: 106477685933.7/47

In: 1.033+/-0.000 χ^2/NDF:151654691875.7/43

Out: 0.968+/-0.000 χ^2/NDF:209176498754.8/51

All: 1.000+/-0.000 χ^2/NDF: 361788876287.6

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 1342913.1/20

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

Right Out: 0.009+/-0.000 χ^2/NDF: 1639929.2/26

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

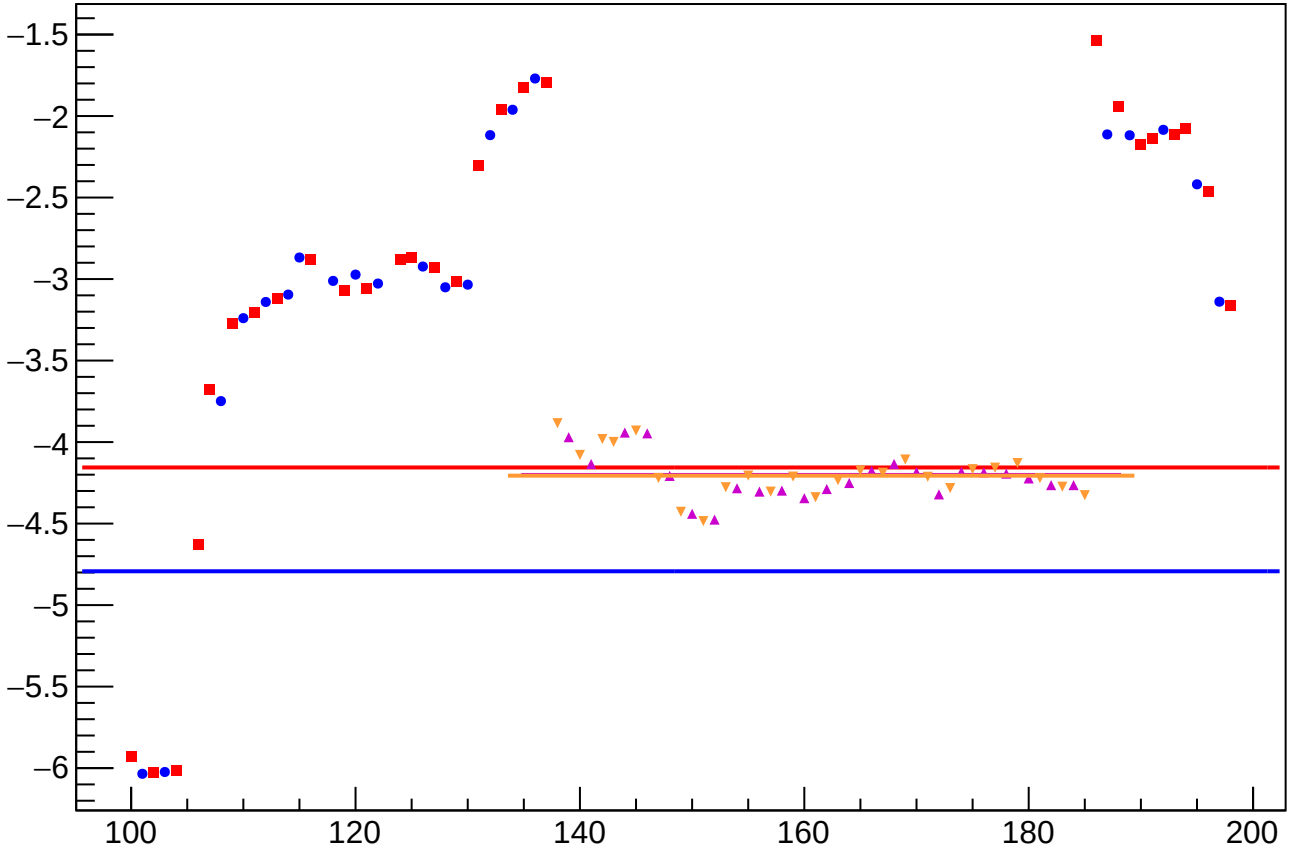
Right: 0.009+/-0.000 χ^2/NDF: 2982925.7/47

In: 0.007+/-0.000 χ^2/NDF:3410050.3/43

Out: 0.008+/-0.000 χ^2/NDF:3785504.5/51

All: 0.008+/-0.000 χ^2/NDF: 7209113.9/95

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -4.792+/-0.000 χ^2/NDF: 225874888914.3/20

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.156+/-0.000 χ^2/NDF: 294208103298.9/26

Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

Left: -4.203+/-0.000 χ^2/NDF: 104337107.5/47

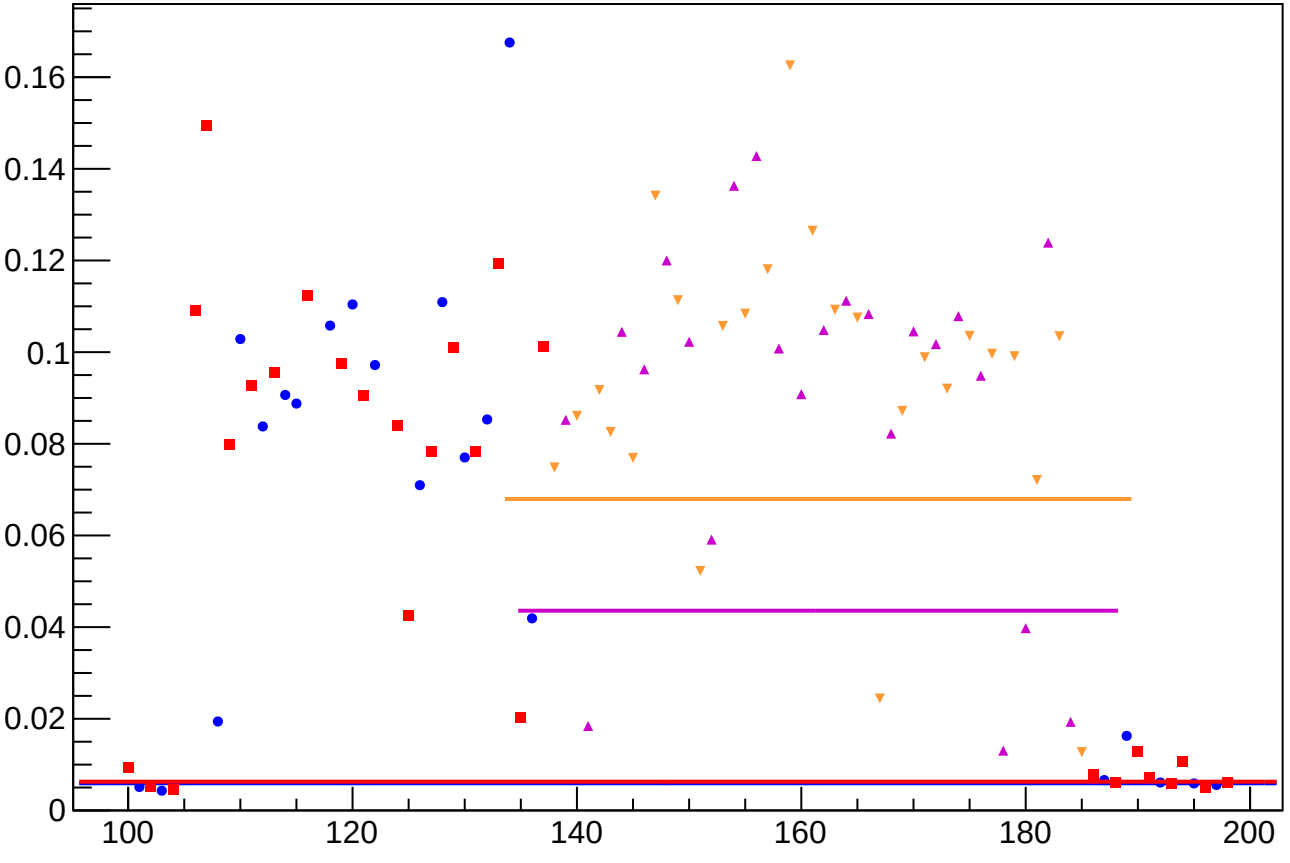
Right: -4.465+/-0.000 χ^2/NDF: 536270418256.1/47

In: -4.763+/-0.000 χ^2/NDF:227274115842.5/43

Out: -4.157+/-0.000 χ^2/NDF:294276185093.3/51

All: -4.454+/-0.000 χ^2/NDF: 536816876074.3

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8799046.0/20

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 8911924.5/26

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

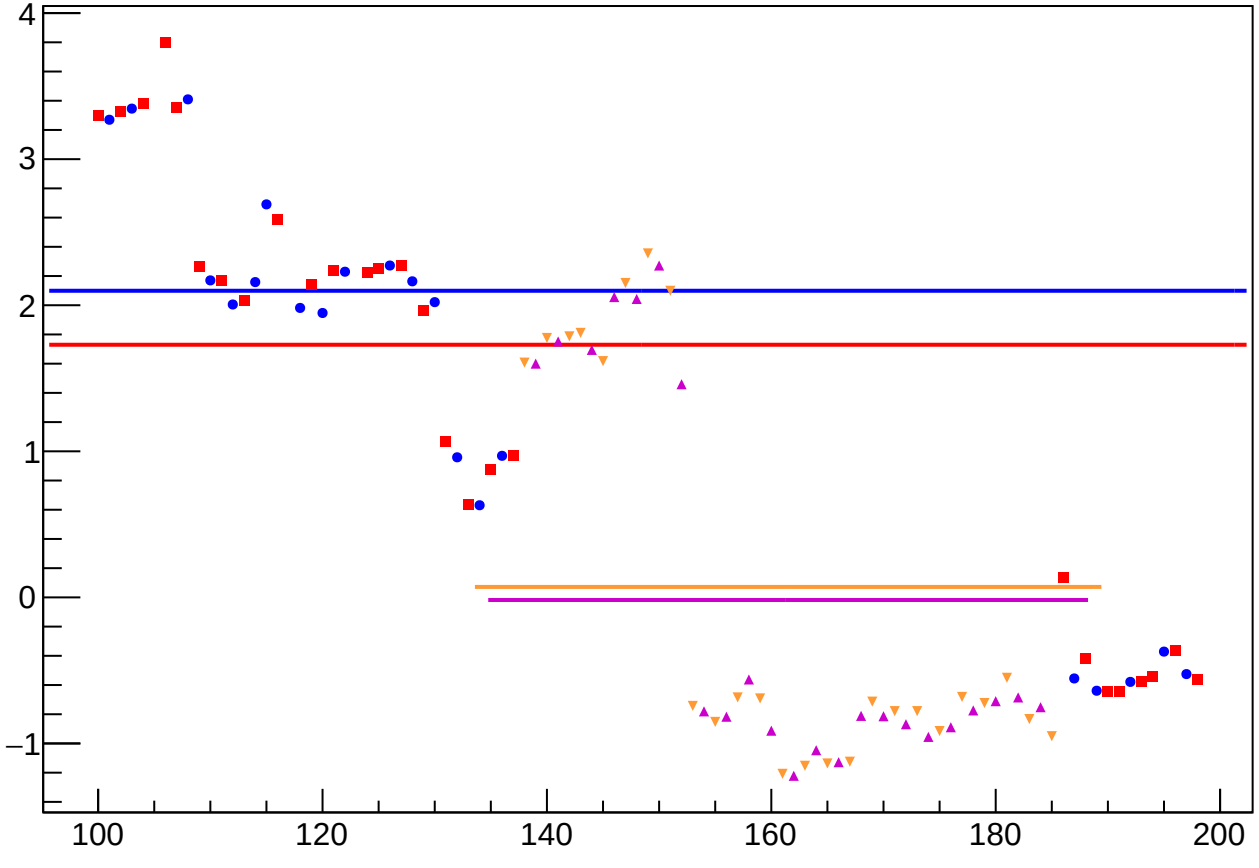
Right: 0.006+/-0.000 χ^2/NDF: 17720573.5/47

In: 0.008+/-0.000 χ^2/NDF:32581149.0/43

Out: 0.008+/-0.000 χ^2/NDF:36154135.2/51

All: 0.008+/-0.000 χ^2/NDF: 68748034.8/95

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 138624539703.8/20

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.730+/-0.000 χ^2/NDF: 175419460245.0/26

Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

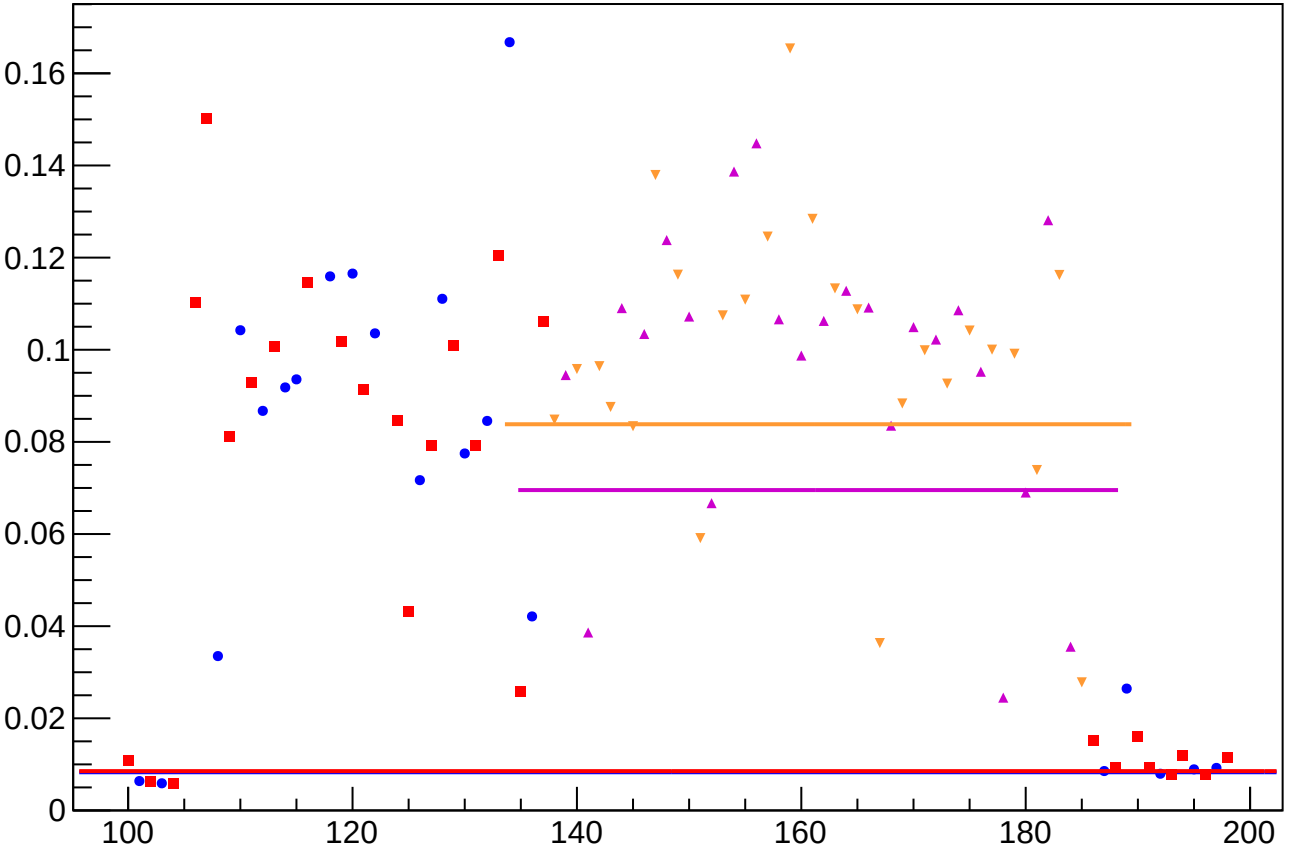
Right: 1.904+/-0.000 χ^2/NDF: 317277323349.3/47

In: 1.993+/-0.000 χ^2/NDF:152200764678.0/43

Out: 1.664+/-0.000 χ^2/NDF:184486643845.9/51

All: 1.820+/-0.000 χ^2/NDF: 339360737867.4

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8586399.2/20

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.009+/-0.000 χ^2/NDF: 8754828.3/26

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

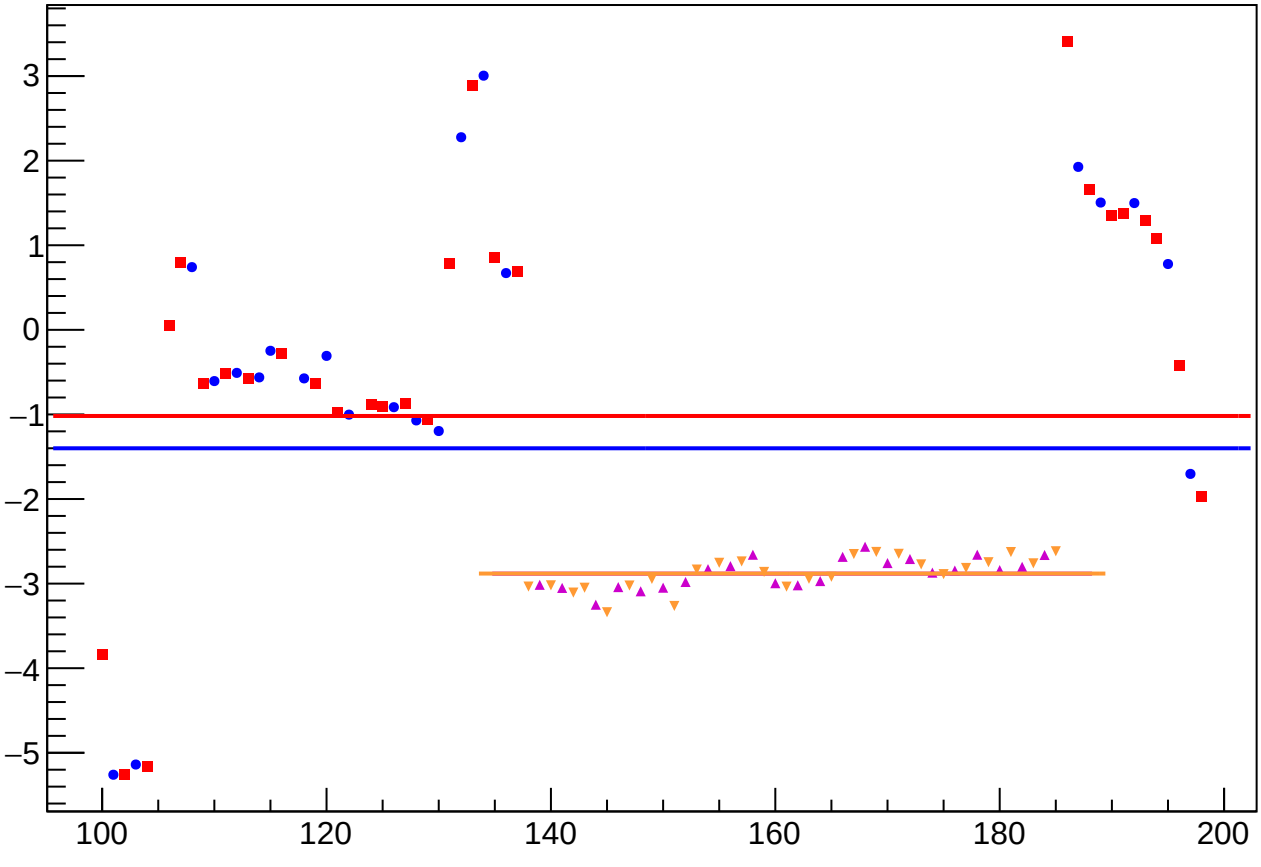
Right: 0.008+/-0.000 χ^2/NDF: 17344081.5/47

In: 0.011+/-0.000 χ^2/NDF:32227361.3/43

Out: 0.012+/-0.000 χ^2/NDF:34992463.2/51

All: 0.011+/-0.000 χ^2/NDF: 67220672.0/95

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.400+/-0.000 χ^2/NDF: 206017321194.0/20

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.018+/-0.000 χ^2/NDF: 231237354123.6/26

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

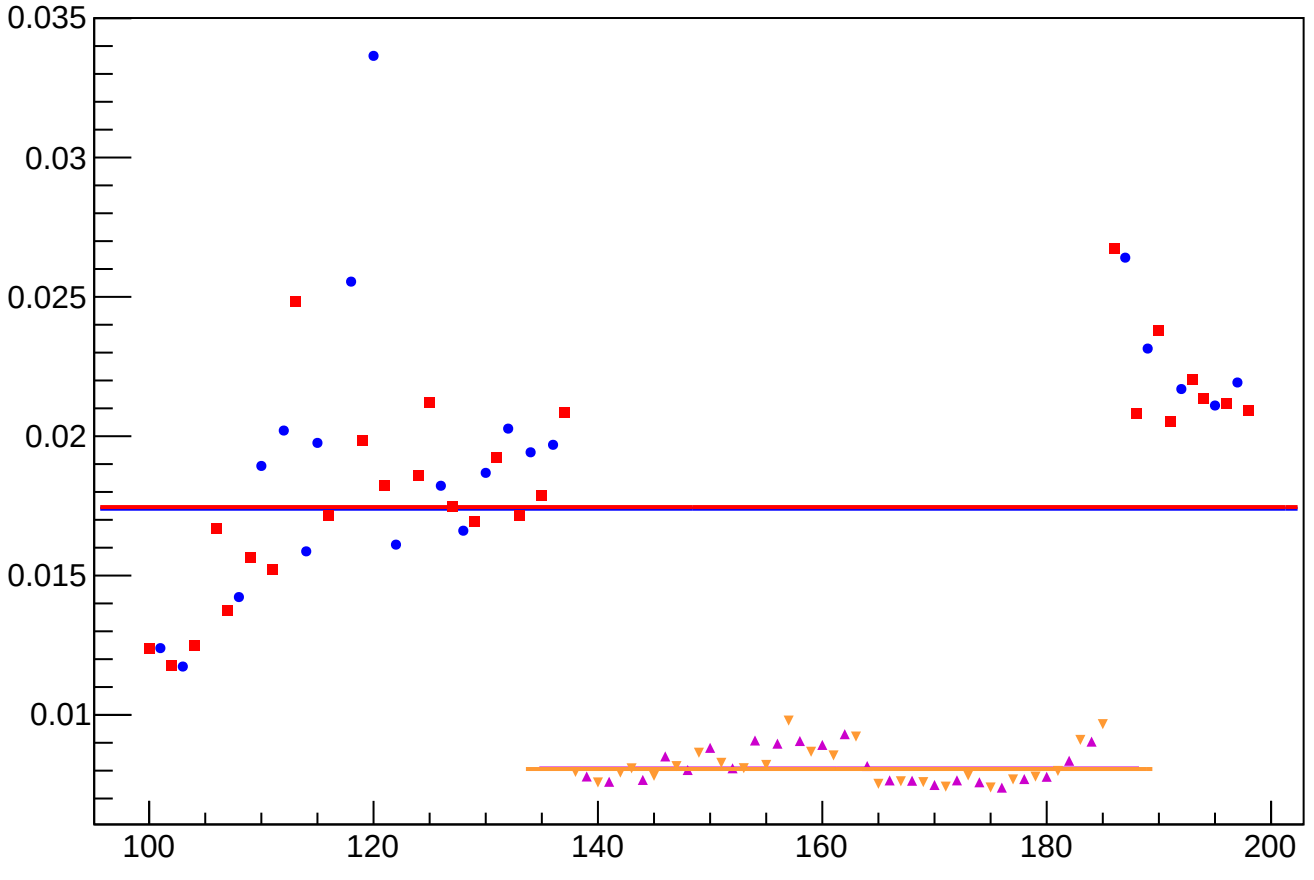
Right: -1.188+/-0.000 χ^2/NDF: 439644667905.2/47

In: -2.735+/-0.000 χ^2/NDF:272641517727.0/43

Out: -2.667+/-0.000 χ^2/NDF:355092083205.7/51

All: -2.700+/-0.000 χ^2/NDF: 628453666013.2

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.017+/-0.000 χ^2/NDF: 1117436.5/20

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.017+/-0.000 χ^2/NDF: 1075329.0/26

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

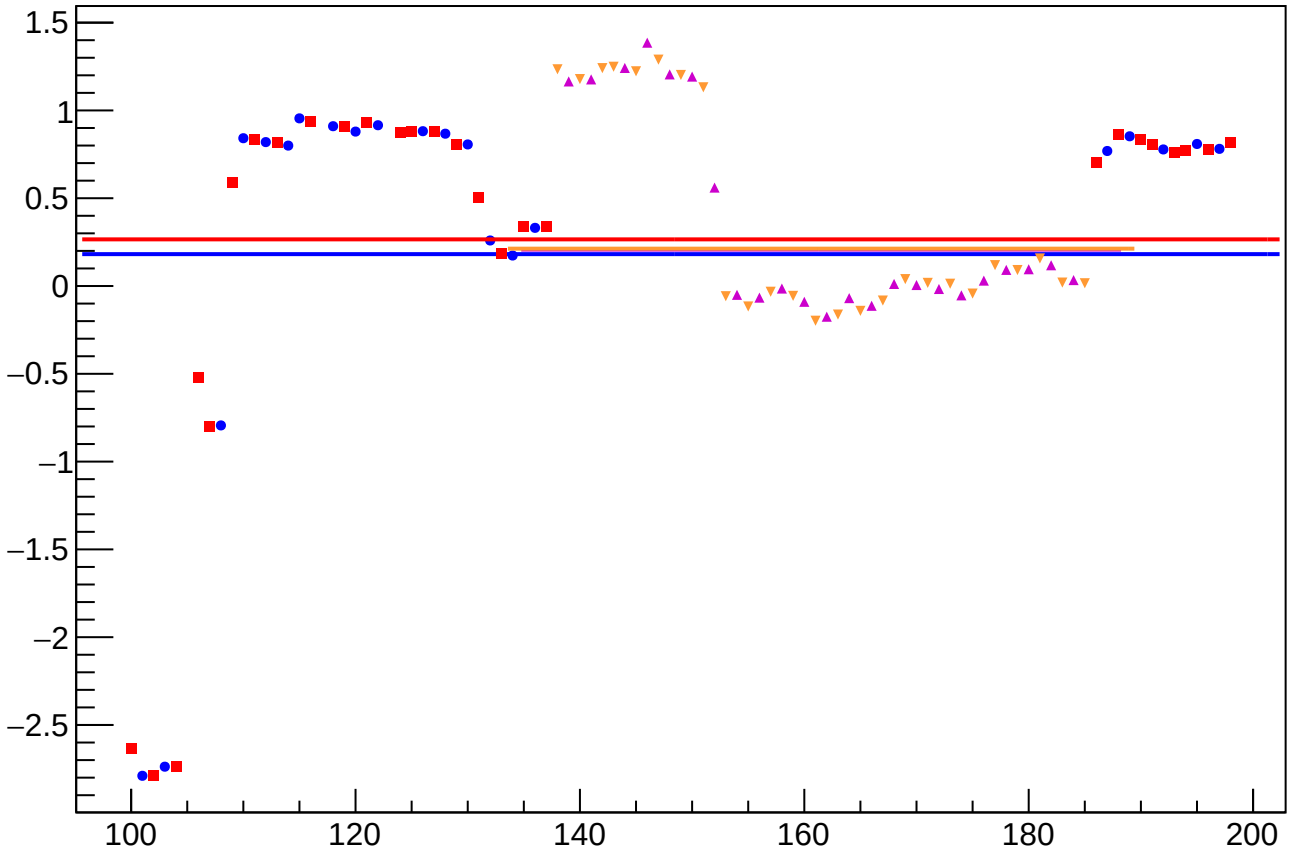
Right: 0.017+/-0.000 χ^2/NDF: 2192880.0/47

In: 0.009+/-0.000 χ^2/NDF:5912094.5/43

Out: 0.009+/-0.000 χ^2/NDF:7029353.0/51

All: 0.009+/-0.000 χ^2/NDF: 12947179.8/95

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.182+/-0.000 χ^2/NDF: 912270467313.7/20

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.266+/-0.000 χ^2/NDF: 1017562810439.6/26

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

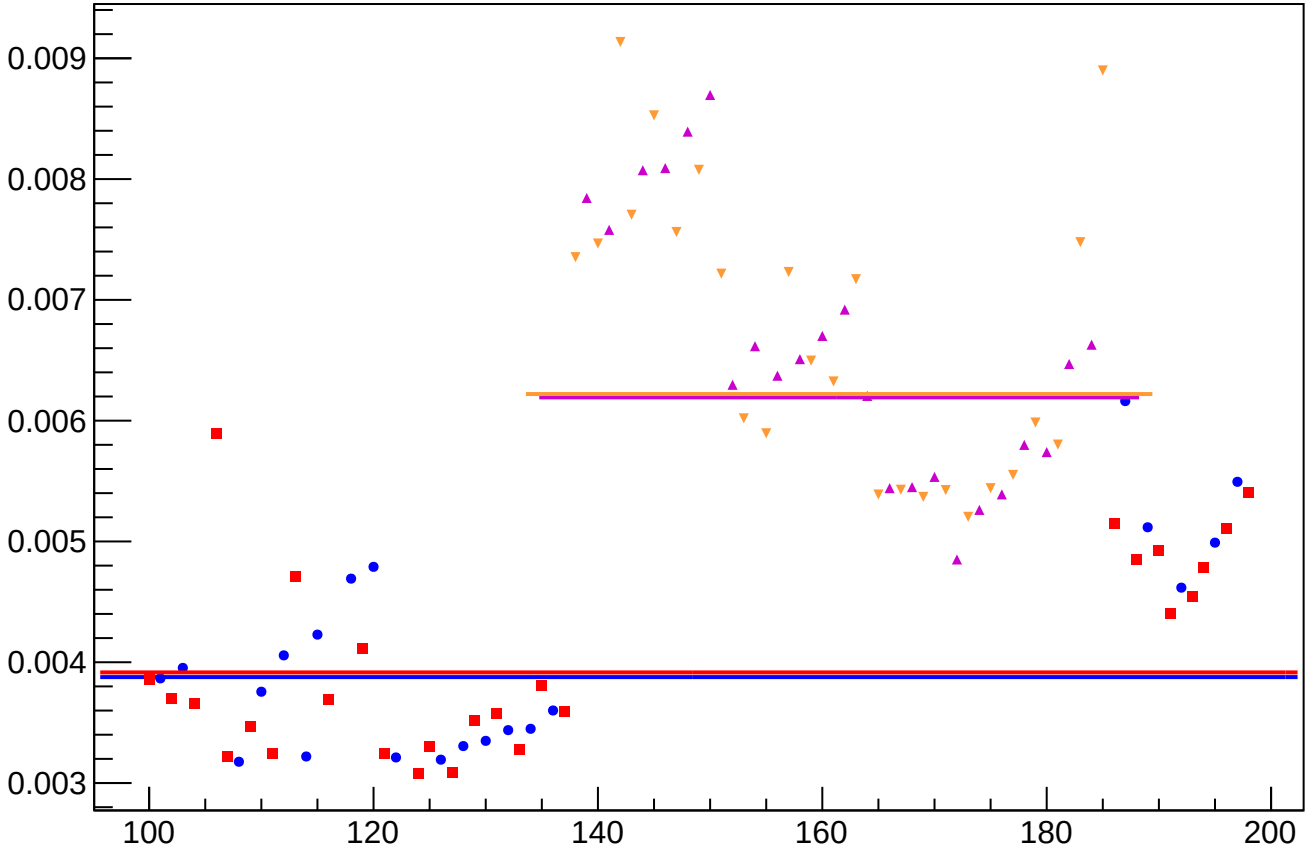
Right: 0.227+/-0.000 χ^2/NDF: 1932326027653.6/47

In: 0.192+/-0.000 χ^2/NDF:999548193406.6/43

Out: 0.247+/-0.000 χ^2/NDF:1121156842247.0/51

All: 0.221+/-0.000 χ^2/NDF: 2122415684774.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 642123.6/20

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 825025.4/26

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

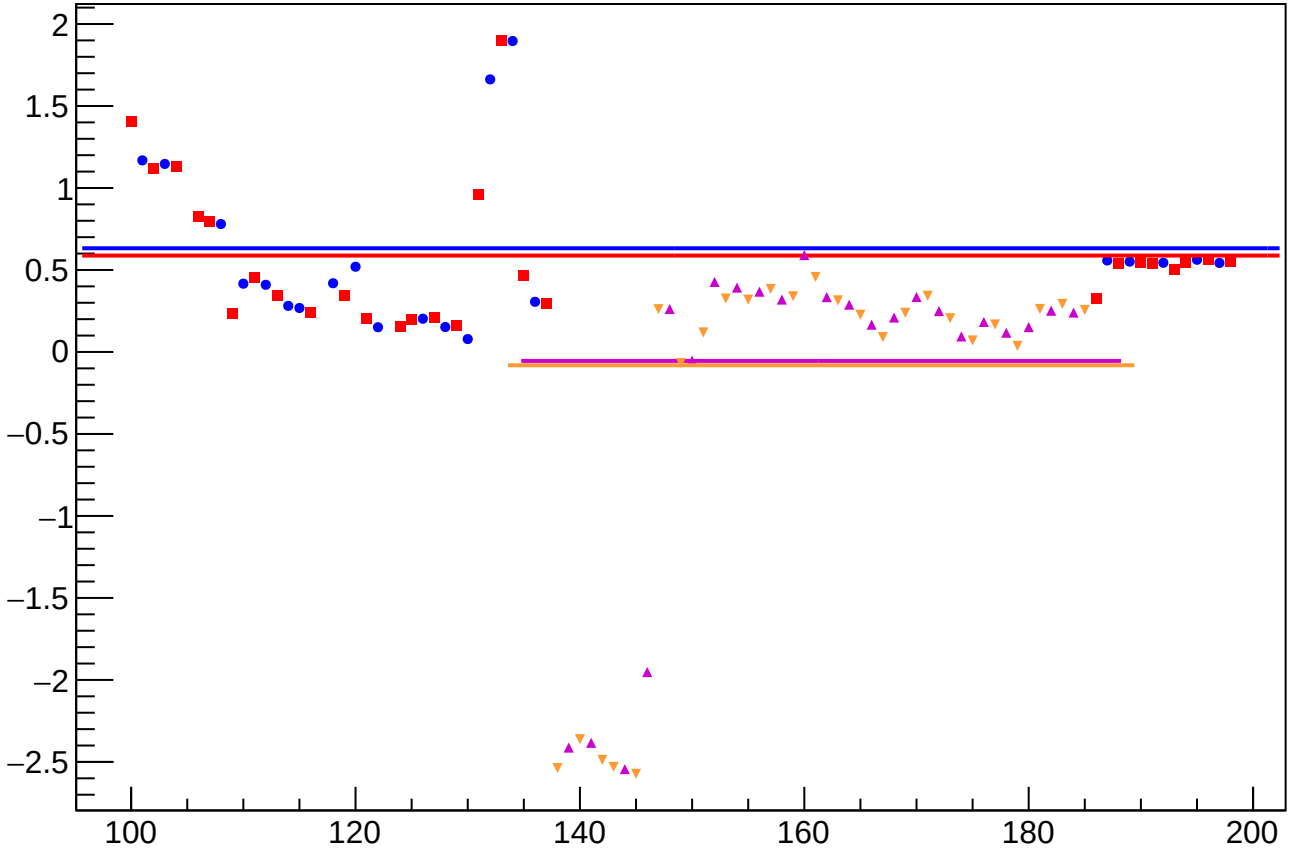
Right: 0.004+/-0.000 χ^2/NDF: 1468215.2/47

In: 0.005+/-0.000 χ^2/NDF:4165774.3/43

Out: 0.005+/-0.000 χ^2/NDF:4573333.6/51

All: 0.005+/-0.000 χ^2/NDF: 8740647.4/95

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.632+/-0.000 χ^2/NDF: 42360008229.1/20

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.588+/-0.000 χ^2/NDF: 43426447543.4/26

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

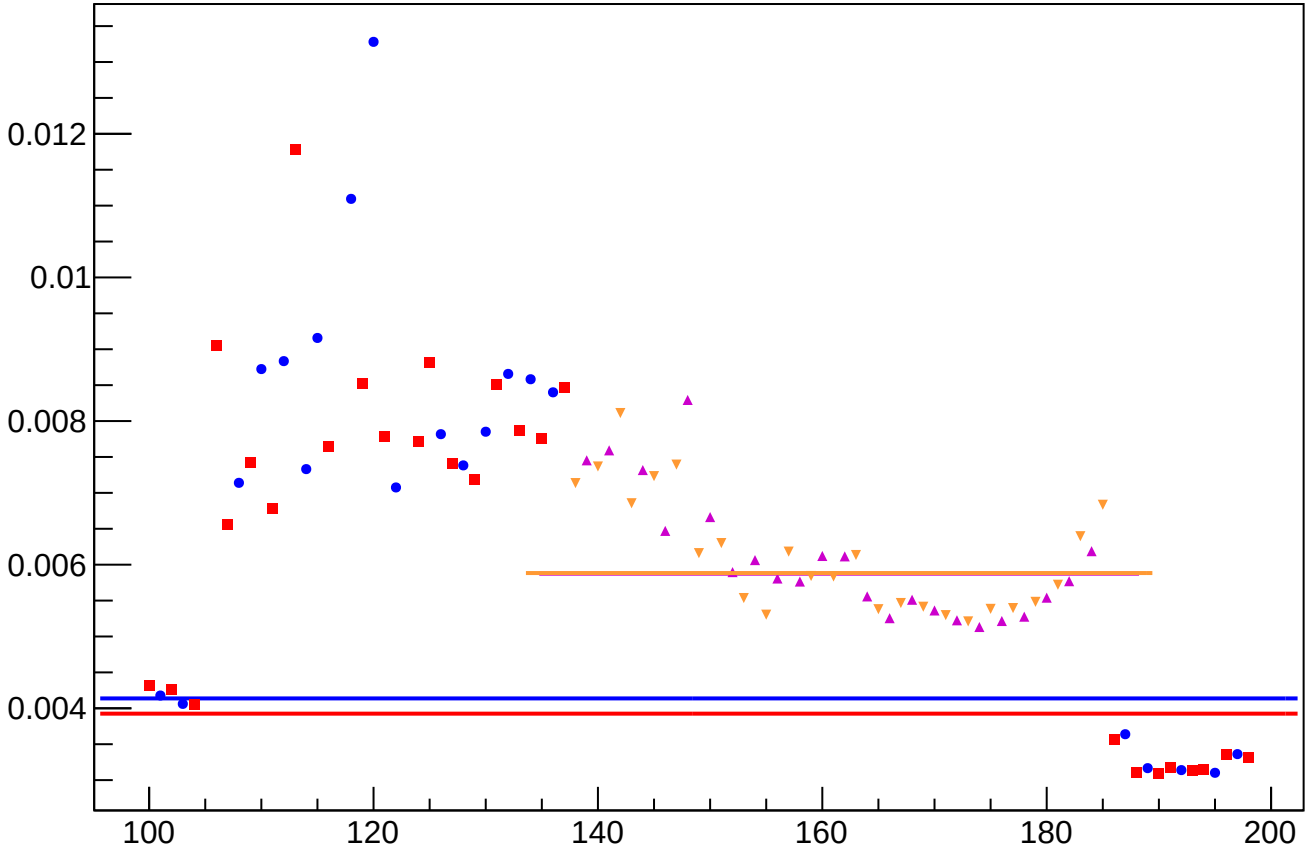
Right: 0.606+/-0.000 χ^2/NDF: 86327856775.1/47

In: 0.282+/-0.000 χ^2/NDF:501345340072.3/43

Out: 0.296+/-0.000 χ^2/NDF:559711760634.4/51

All: 0.290+/-0.000 χ^2/NDF: 1061172509324.

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 3227190.3/20

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3316216.4/26

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

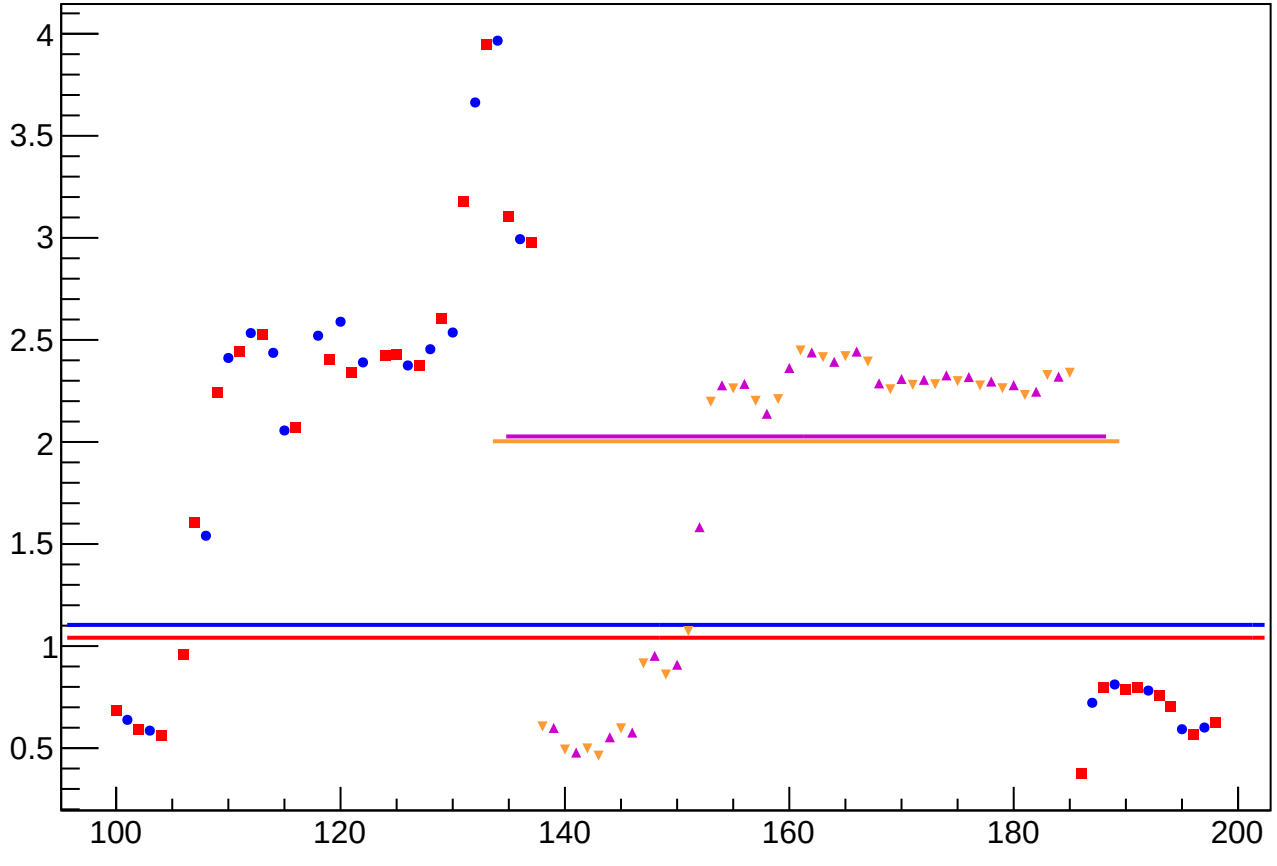
Right: 0.004+/-0.000 χ^2/NDF: 6567879.0/47

In: 0.005+/-0.000 χ^2/NDF:5180132.7/43

Out: 0.005+/-0.000 χ^2/NDF:5966384.1/51

All: 0.005+/-0.000 χ^2/NDF: 11209988.3/95

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.104+/-0.000 χ^2/NDF: 209989981036.3/20

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 1.041+/-0.000 χ^2/NDF: 247881774295.6/26

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

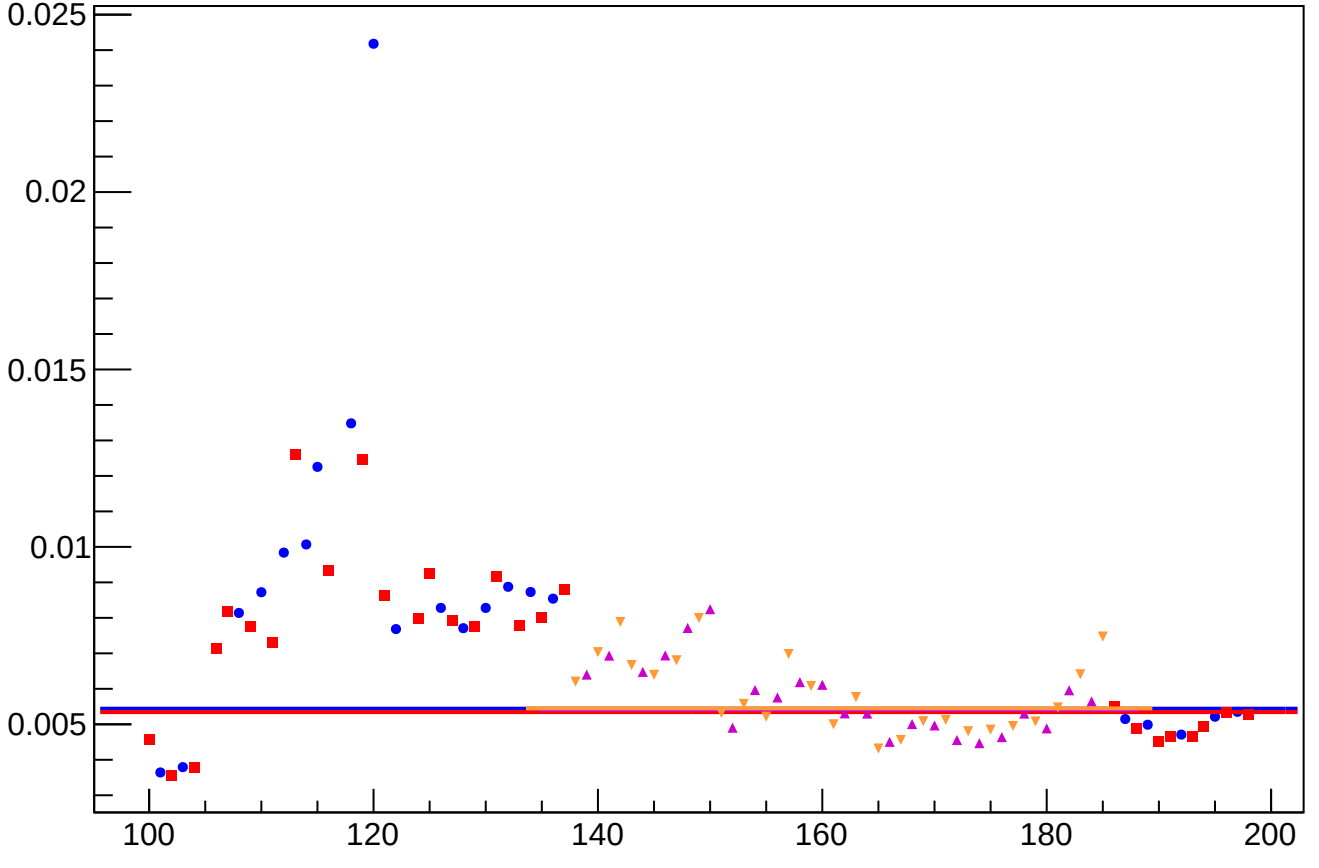
Right: 1.068+/-0.000 χ^2/NDF: 458499506026.5/47

In: 1.710+/-0.000 χ^2/NDF:559946548412.9/43

Out: 1.618+/-0.000 χ^2/NDF:671684334919.3/51

All: 1.661+/-0.000 χ^2/NDF: 1235283053337.

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2306169.7/20

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2124412.7/26

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

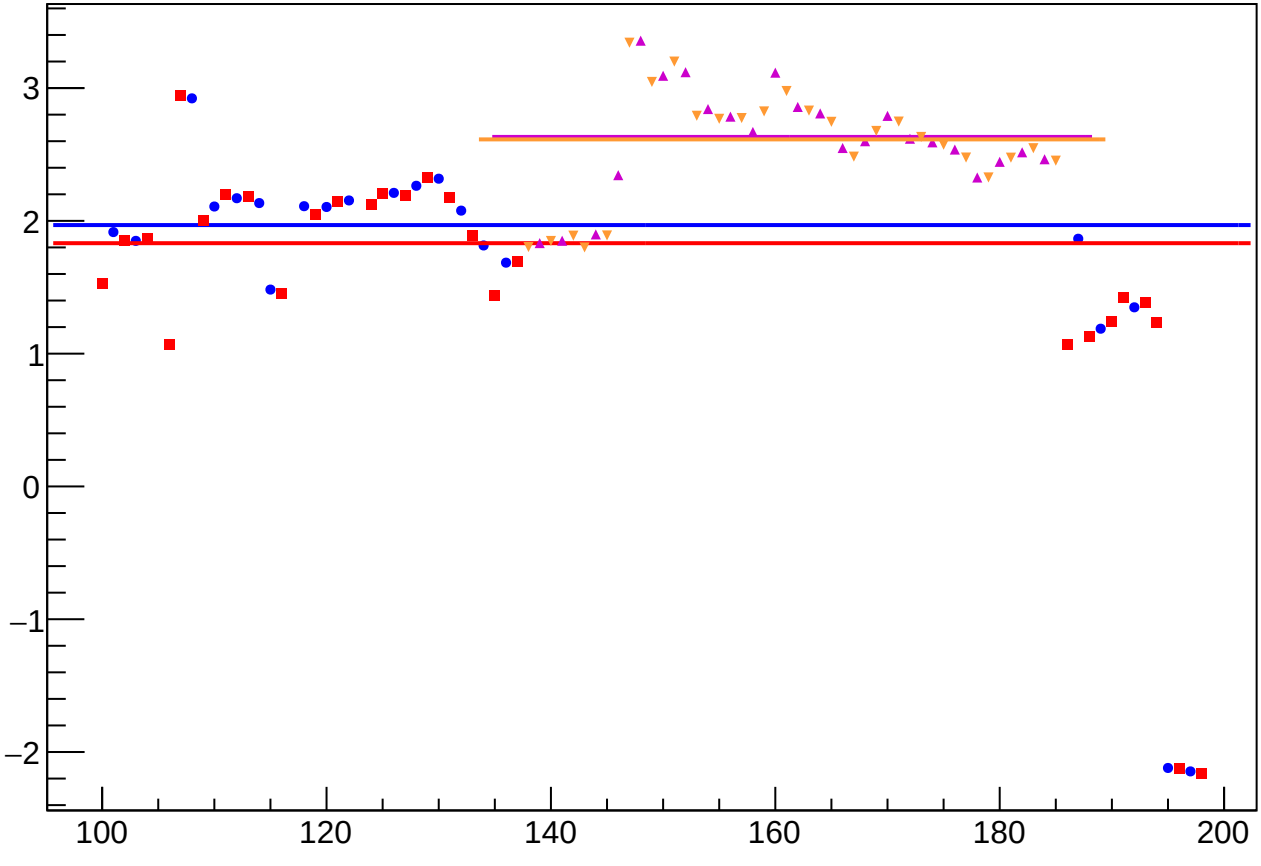
Right: 0.005+/-0.000 χ^2/NDF: 4433511.1/47

In: 0.005+/-0.000 χ^2/NDF:3121745.8/43

Out: 0.005+/-0.000 χ^2/NDF:2900748.5/51

All: 0.005+/-0.000 χ^2/NDF: 6022582.0/95

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 1.968+/-0.000 χ^2/NDF: 60776050438.7/20

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.832+/-0.000 χ^2/NDF: 71301734077.0/26

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

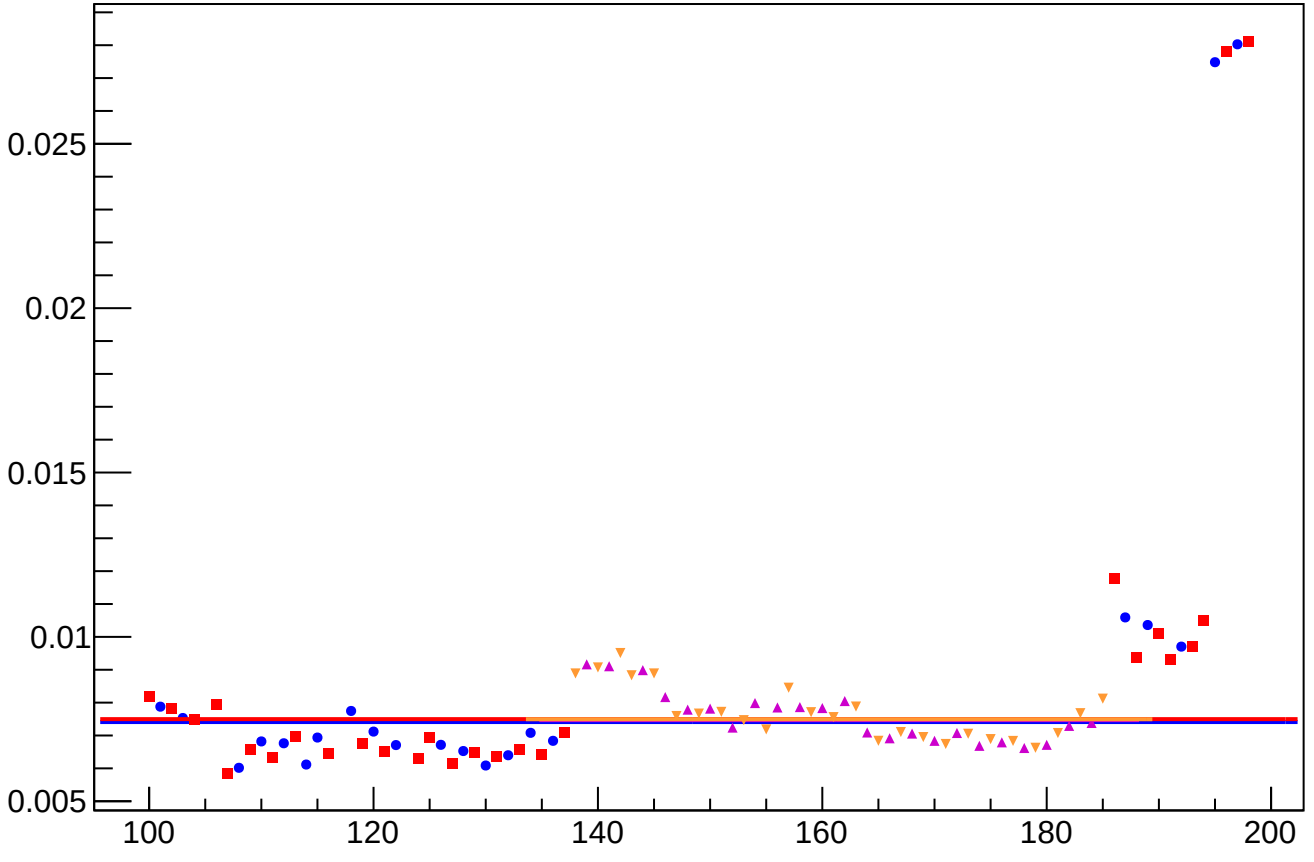
Right: 1.894+/-0.000 χ^2/NDF: 133750098084.4/47

In: 2.401+/-0.000 χ^2/NDF:148895879365.4/43

Out: 2.318+/-0.000 χ^2/NDF:192299258968.5/51

All: 2.358+/-0.000 χ^2/NDF: 342916092427.5

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 2256505.8/20

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.007+/-0.000 χ^2/NDF: 2529977.1/26

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

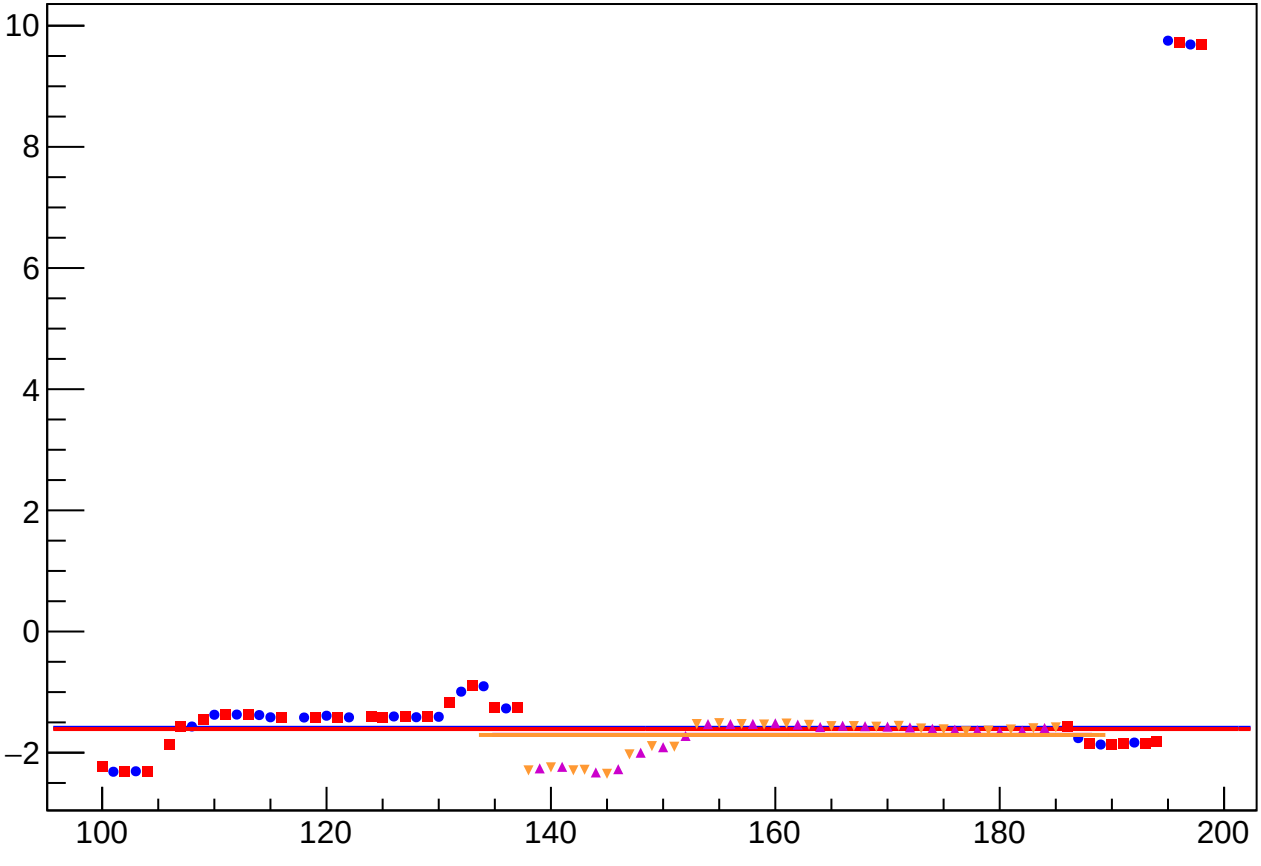
Right: 0.007+/-0.000 χ^2/NDF: 4787900.4/47

In: 0.007+/-0.000 χ^2/NDF:2579157.0/43

Out: 0.007+/-0.000 χ^2/NDF:2862652.5/51

All: 0.007+/-0.000 χ^2/NDF: 5442995.9/95

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.589+/-0.000 χ^2/NDF: 244502365471.7/20

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.610+/-0.000 χ^2/NDF: 251281826415.9/26

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

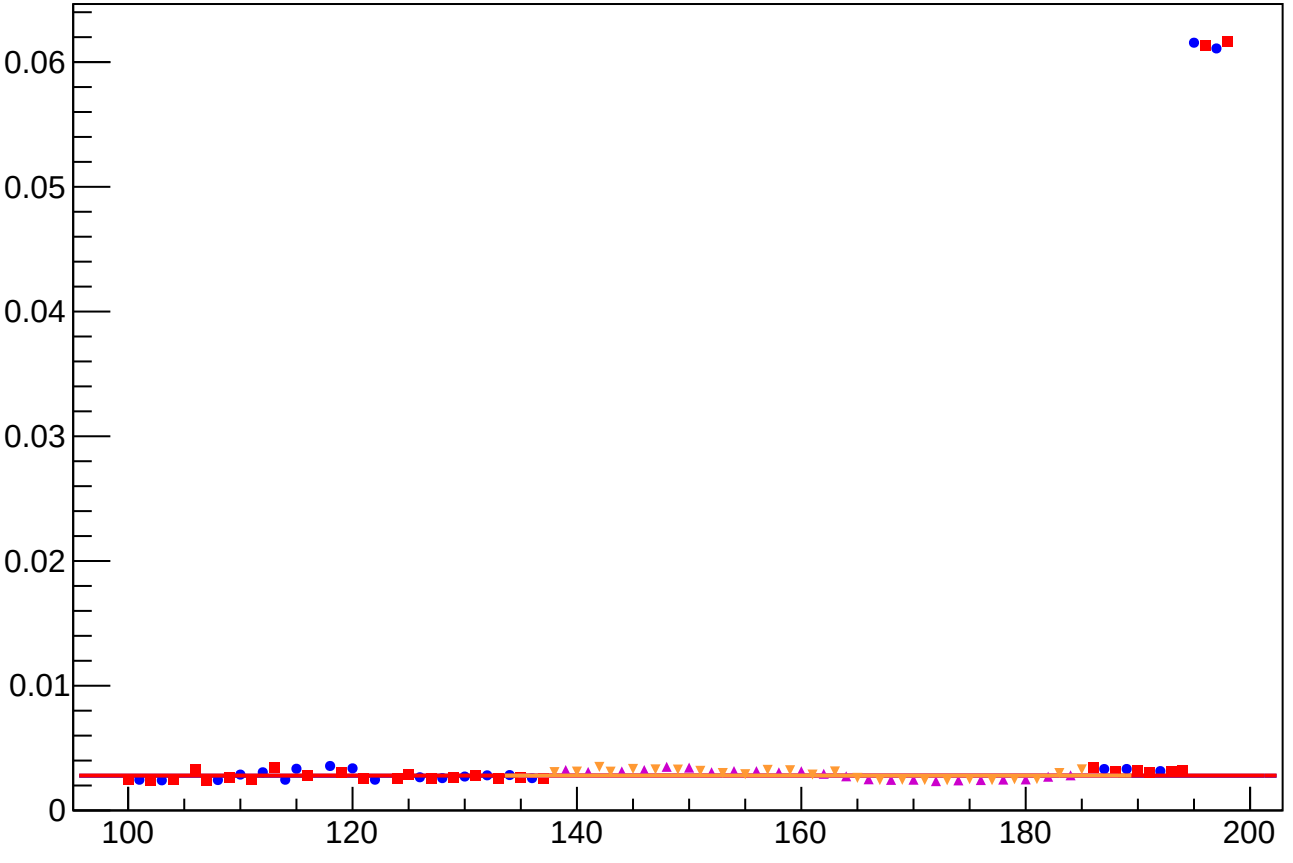
Right: -1.601+/-0.000 χ^2/NDF: 496039513214.6/47

In: -1.667+/-0.000 χ^2/NDF:390872421435.6/43

Out: -1.672+/-0.000 χ^2/NDF:411127135453.1/51

All: -1.669+/-0.000 χ^2/NDF: 802040842203.2

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3374880.5/20

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3310961.2/26

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

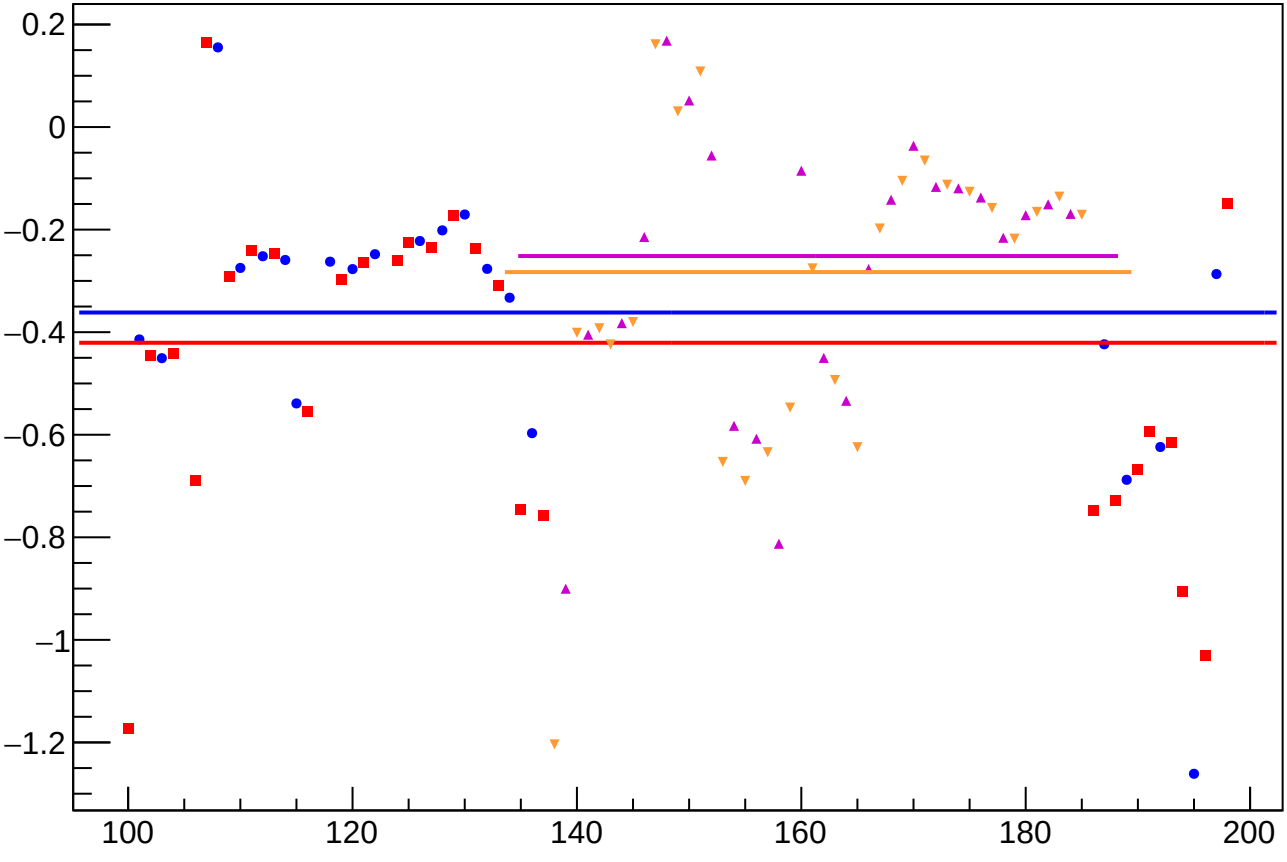
Right: 0.003+/-0.000 χ^2/NDF: 6686227.3/47

In: 0.003+/-0.000 χ^2/NDF:3932010.7/43

Out: 0.003+/-0.000 χ^2/NDF:3858727.8/51

All: 0.003+/-0.000 χ^2/NDF: 7791440.3/95

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.362+/-0.000 χ^2/NDF: 4610808220.9/20

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.421+/-0.000 χ^2/NDF: 5541598462.2/26

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

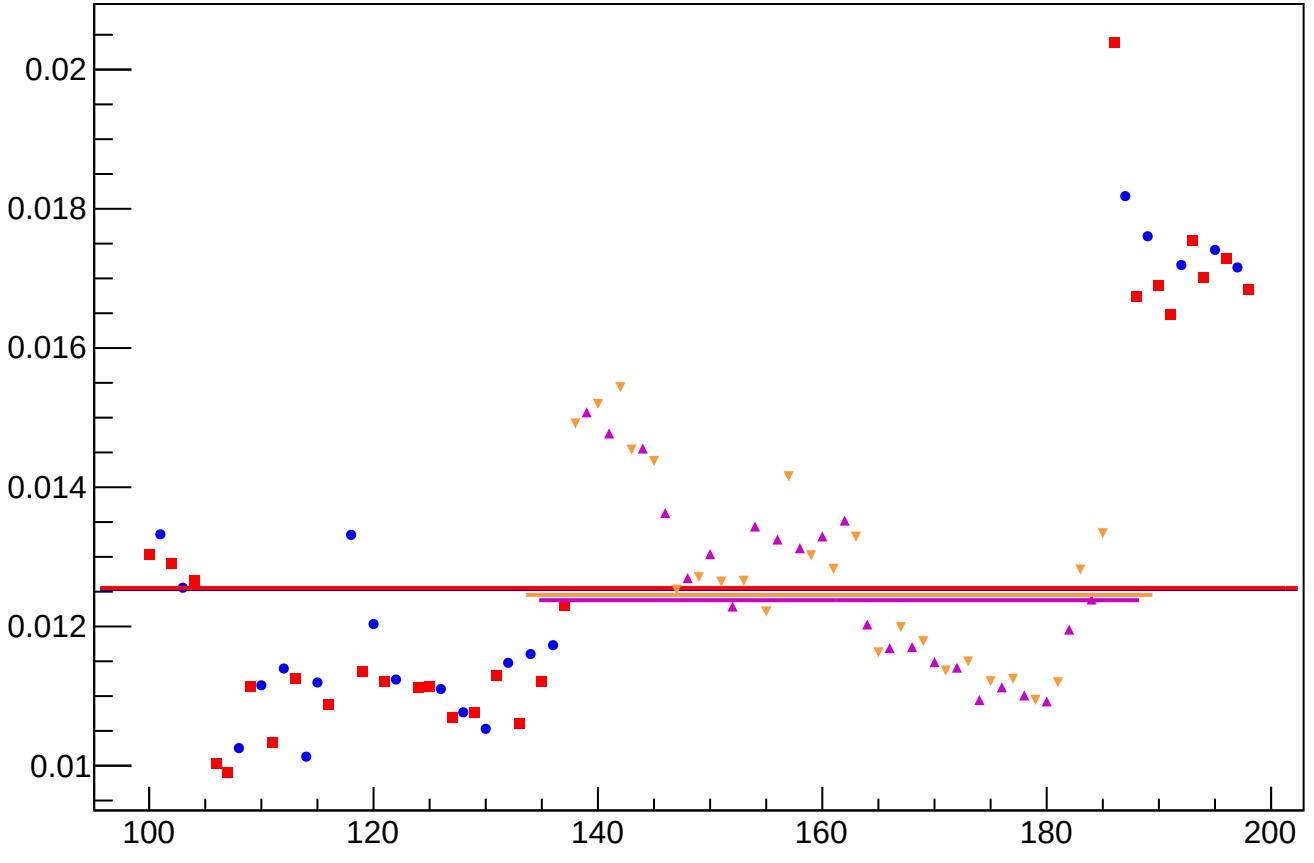
Right: -0.394+/-0.000 χ^2/NDF: 10272477077.2/47

In: -0.291+/-0.000 χ^2/NDF:12269303882.0/43

Out: -0.337+/-0.000 χ^2/NDF:15762233143.9/51

All: -0.315+/-0.000 χ^2/NDF: 28225625546.3/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 706160.5/20

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1079388.4/26

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

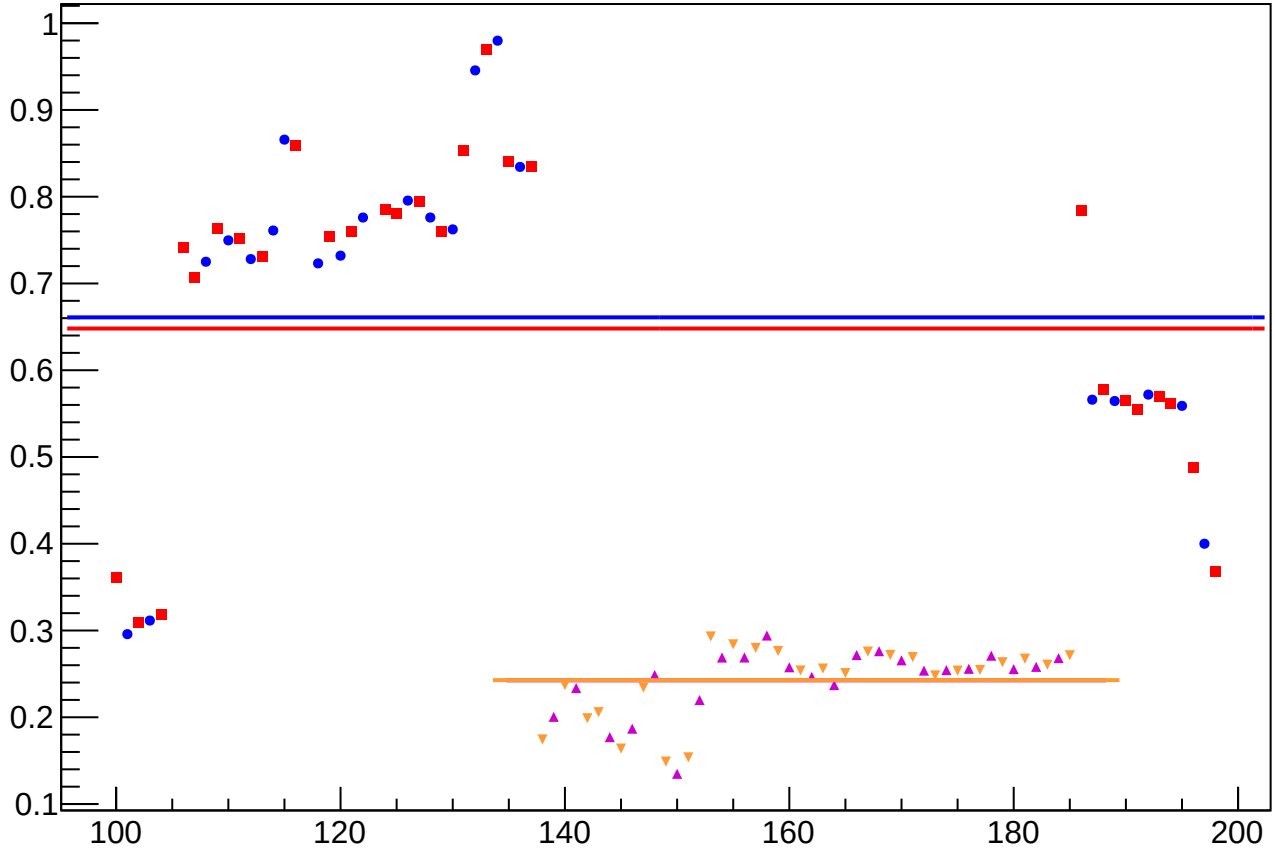
Right: 0.013+/-0.000 χ^2/NDF: 1785564.7/47

In: 0.012+/-0.000 χ^2/NDF:1035154.9/43

Out: 0.012+/-0.000 χ^2/NDF:1421708.2/51

All: 0.012+/-0.000 χ^2/NDF: 2457483.3/95

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000 χ^2/NDF: 60807252073.1/20

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.648+/-0.000 χ^2/NDF: 62602028355.2/26

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

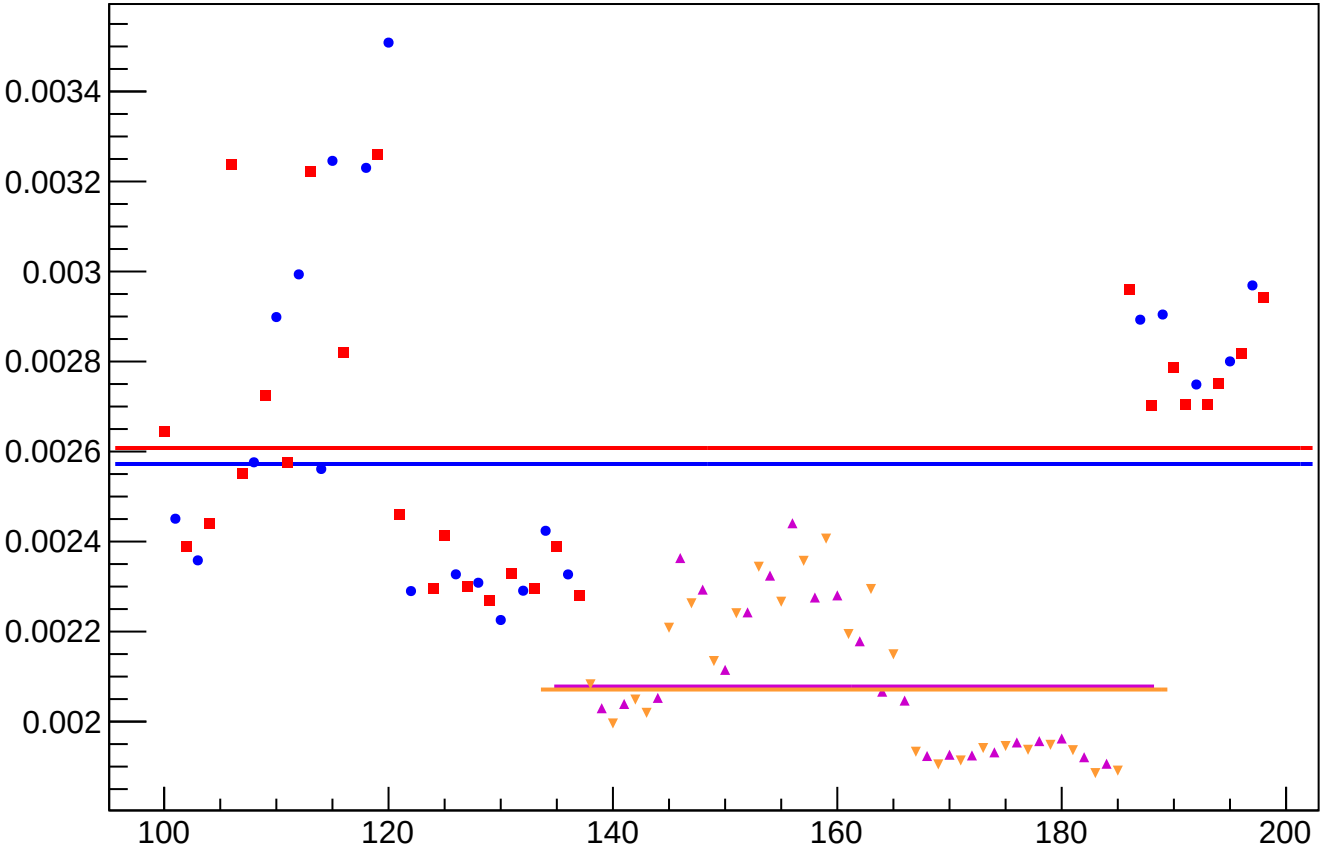
Right: 0.654+/-0.000 χ^2/NDF: 123545841888.5/47

In: 0.354+/-0.000 χ^2/NDF:262087178966.5/43

Out: 0.359+/-0.000 χ^2/NDF:279892034835.7/51

All: 0.357+/-0.000 χ^2/NDF: 542058159047.0

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 295988.8/20

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 257391.1/26

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

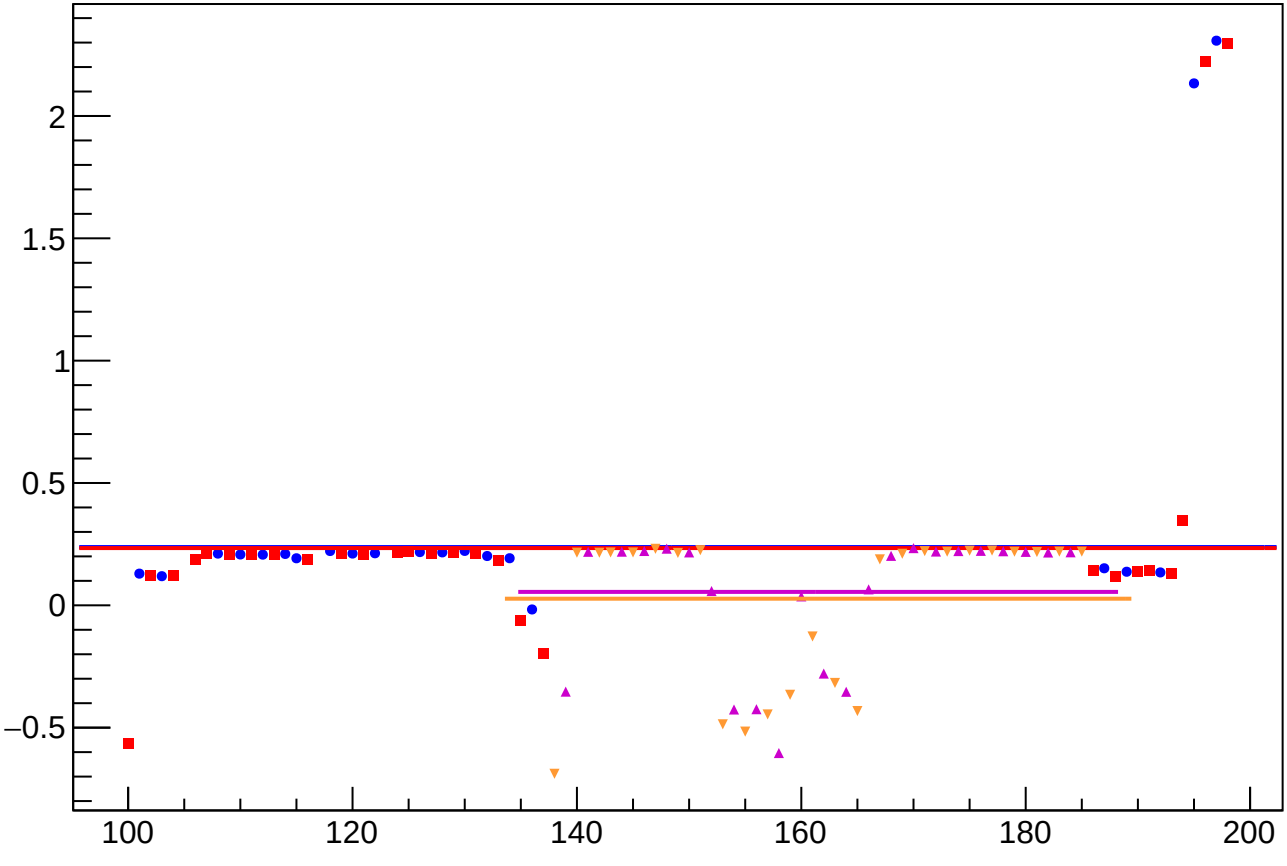
Right: 0.003+/-0.000 χ^2/NDF: 555460.5/47

In: 0.002+/-0.000 χ^2/NDF:1053723.2/43

Out: 0.002+/-0.000 χ^2/NDF:1227675.5/51

All: 0.002+/-0.000 χ^2/NDF: 2282876.5/95

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.238+/-0.000 χ^2/NDF: 11145423166.5/20

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.234+/-0.000 χ^2/NDF: 13778193528.3/26

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

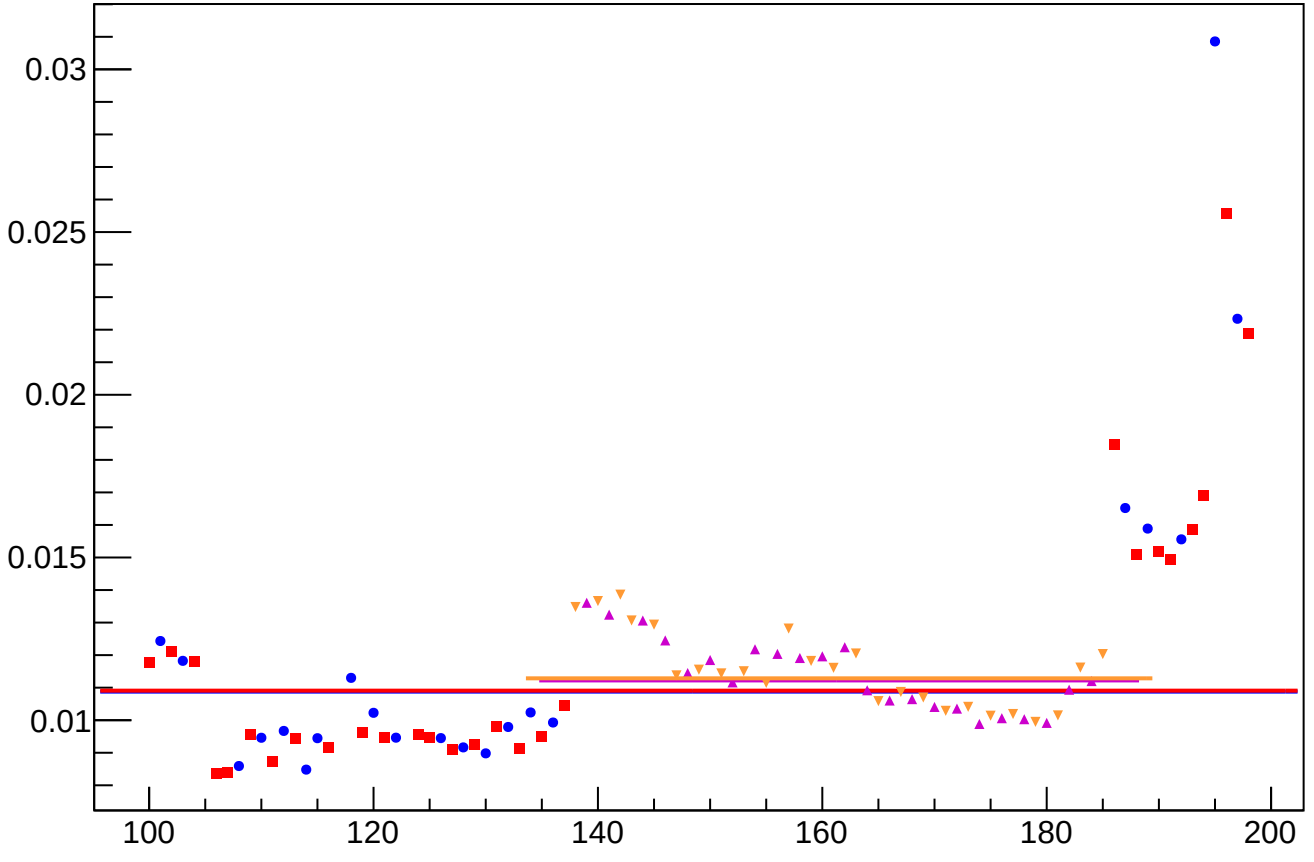
Right: 0.236+/-0.000 χ^2/NDF: 24924357937.5/47

In: 0.122+/-0.000 χ^2/NDF:22540172413.0/43

Out: 0.110+/-0.000 χ^2/NDF:29209955538.8/51

All: 0.116+/-0.000 χ^2/NDF: 51766968728.4/9

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 1772098.5/20

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

Right Out: 0.011+/-0.000 χ^2/NDF: 2092748.7/26

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

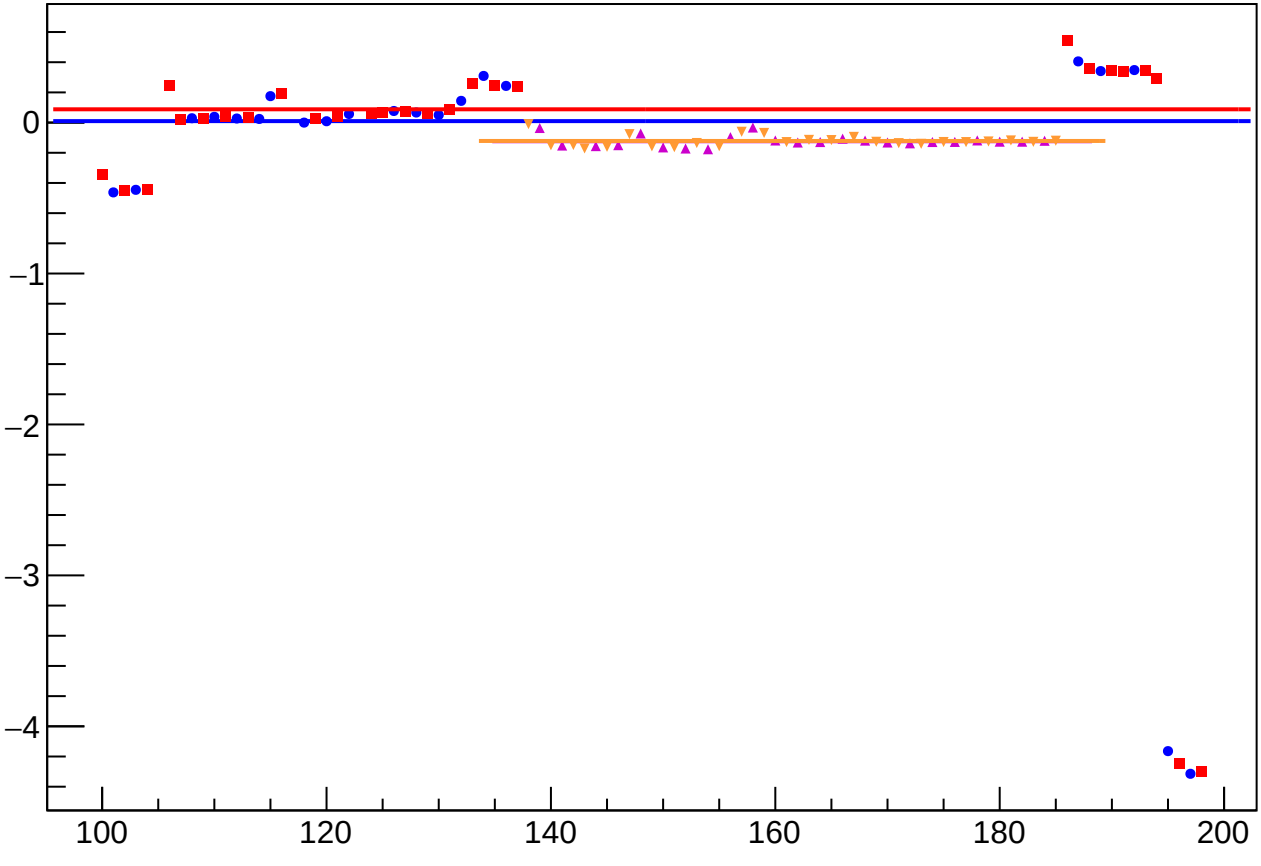
Right: 0.011+/-0.000 χ^2/NDF: 3864923.7/47

In: 0.011+/-0.000 χ^2/NDF:2099280.5/43

Out: 0.011+/-0.000 χ^2/NDF:2437444.6/51

All: 0.011+/-0.000 χ^2/NDF: 4537065.2/95

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 105784058585.5/20

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.088+/-0.000 χ^2/NDF: 128096984324.7/26

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

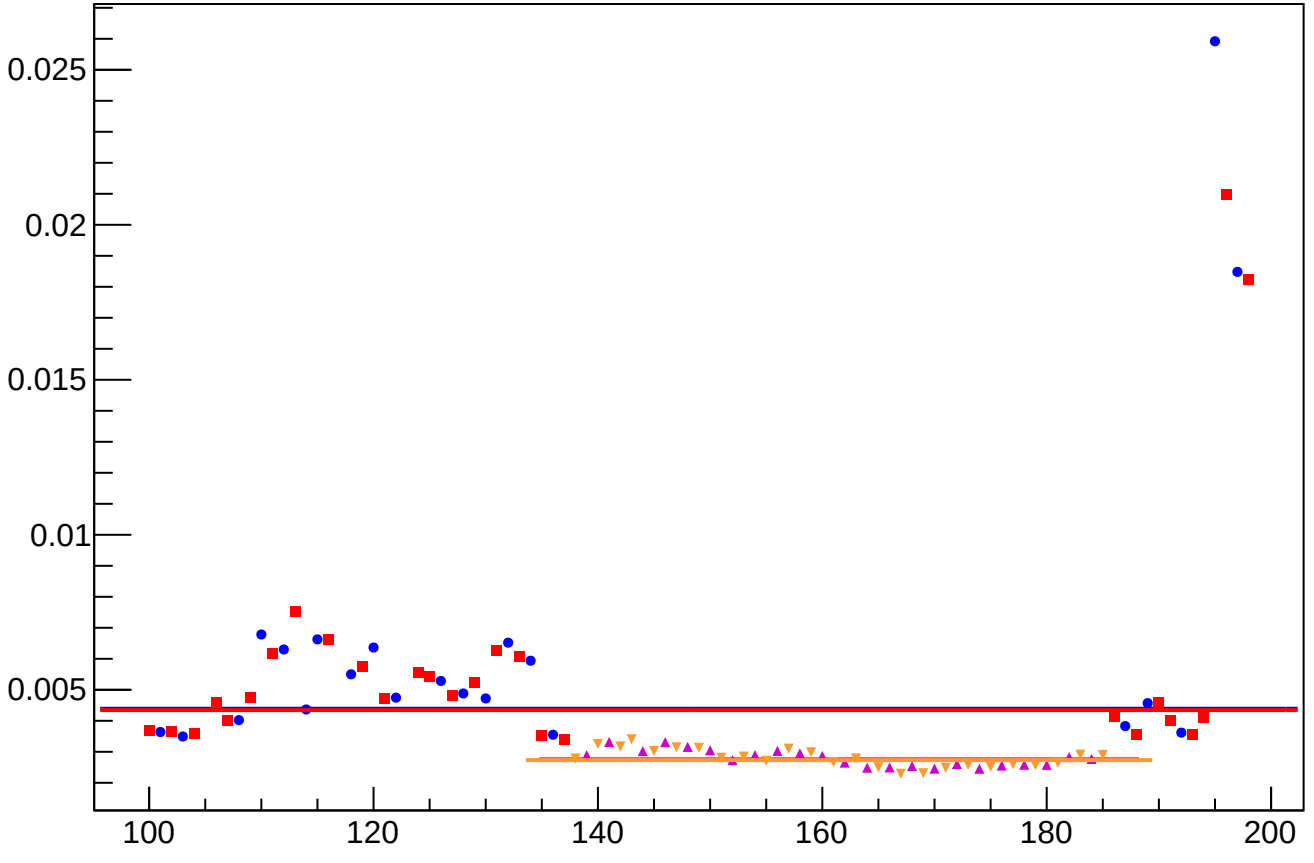
Right: 0.053+/-0.000 χ^2/NDF: 235351857862.6/47

In: -0.103+/-0.000 χ^2/NDF:115029629092.4/43

Out: -0.084+/-0.000 χ^2/NDF:150577313474.2/51

All: -0.093+/-0.000 χ^2/NDF: 266106237344.5

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 2920686.6/20

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.004+/-0.000 χ^2/NDF: 2865197.1/26

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

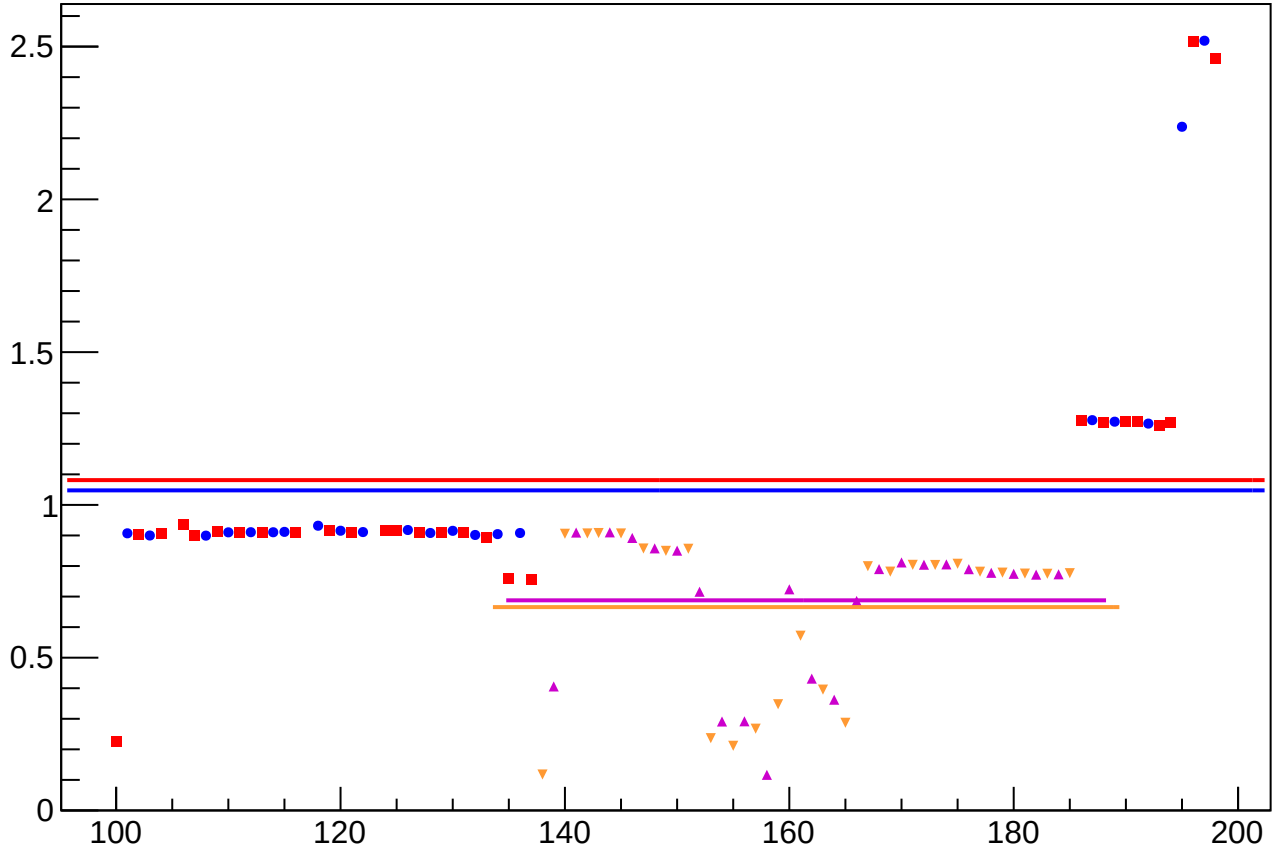
Right: 0.004+/-0.000 χ^2/NDF: 5786738.8/47

In: 0.003+/-0.000 χ^2/NDF:5141339.6/43

Out: 0.003+/-0.000 χ^2/NDF:5569682.7/51

All: 0.003+/-0.000 χ^2/NDF: 10711310.9/95

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 1.048+/-0.000 χ^2/NDF: 10481026606.2/20

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.081+/-0.000 χ^2/NDF: 16009683358.2/26

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

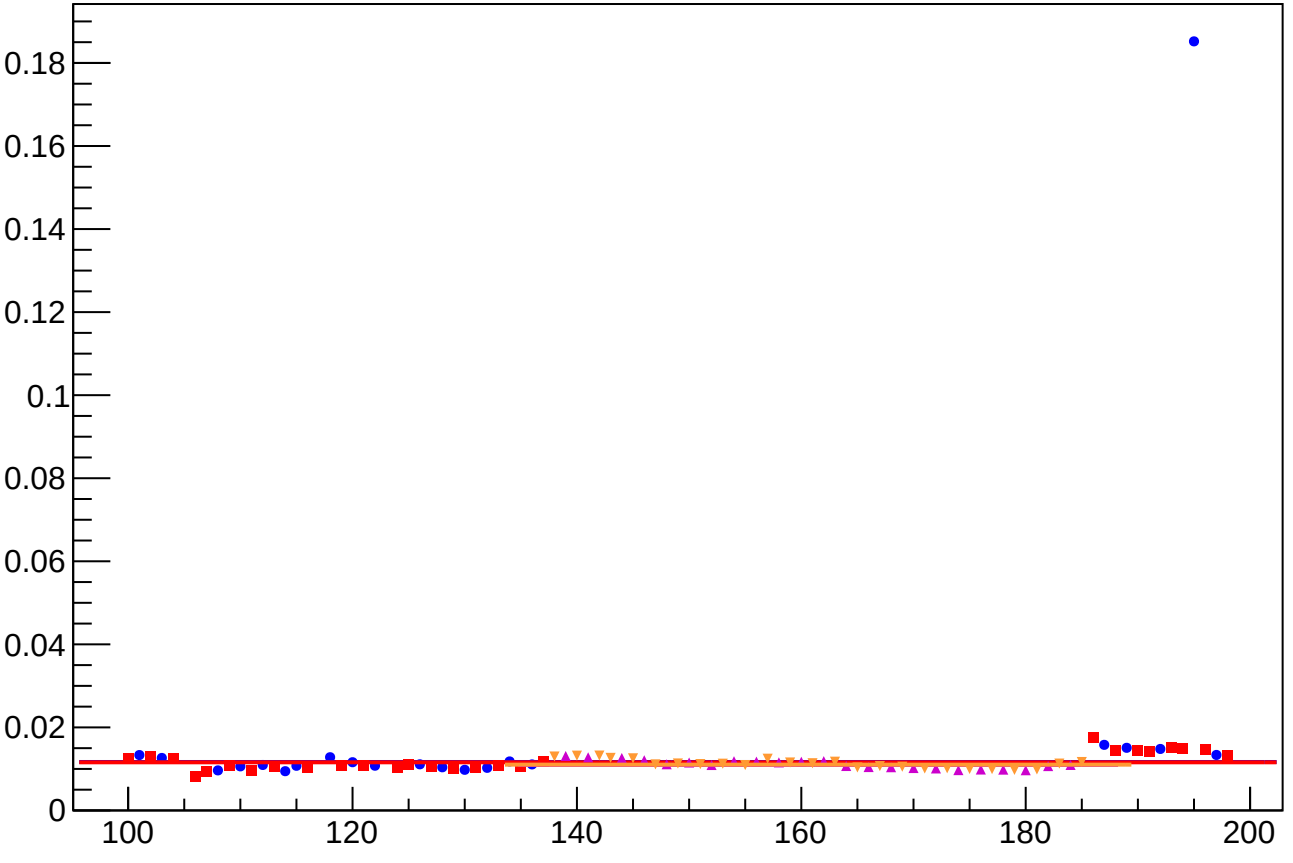
Right: 1.066+/-0.000 χ^2/NDF: 26533404598.9/47

In: 0.802+/-0.000 χ^2/NDF:23470616972.2/43

Out: 0.816+/-0.000 χ^2/NDF:34668644374.8/51

All: 0.809+/-0.000 χ^2/NDF: 58158888740.4/9

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1902505.7/20

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 678706.2/26

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

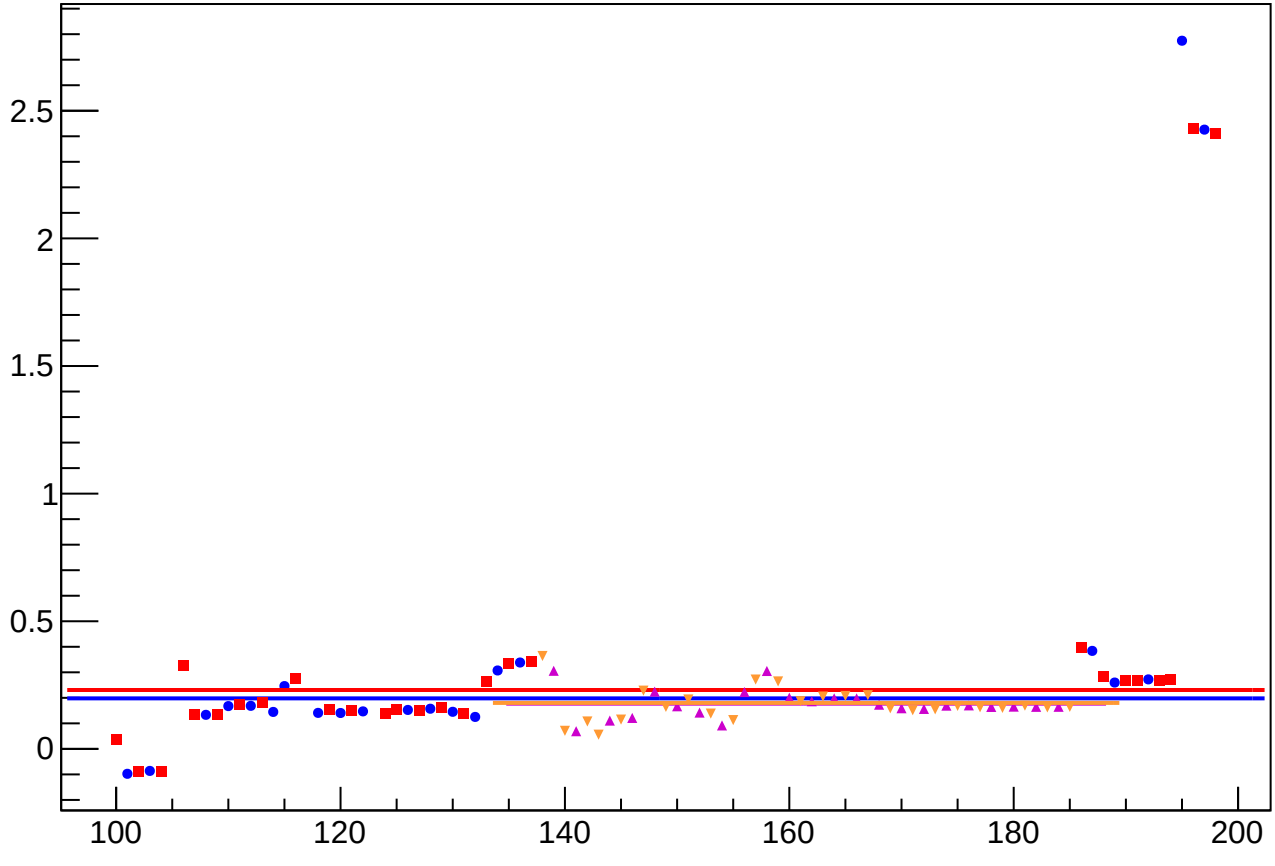
Right: 0.012+/-0.000 χ^2/NDF: 2581645.3/47

In: 0.011+/-0.000 χ^2/NDF:2235994.9/43

Out: 0.011+/-0.000 χ^2/NDF:1012989.1/51

All: 0.011+/-0.000 χ^2/NDF: 3249404.6/95

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.198+/-0.000 χ^2/NDF: 32266739837.4/20

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.231+/-0.000 χ^2/NDF: 43321240523.8/26

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

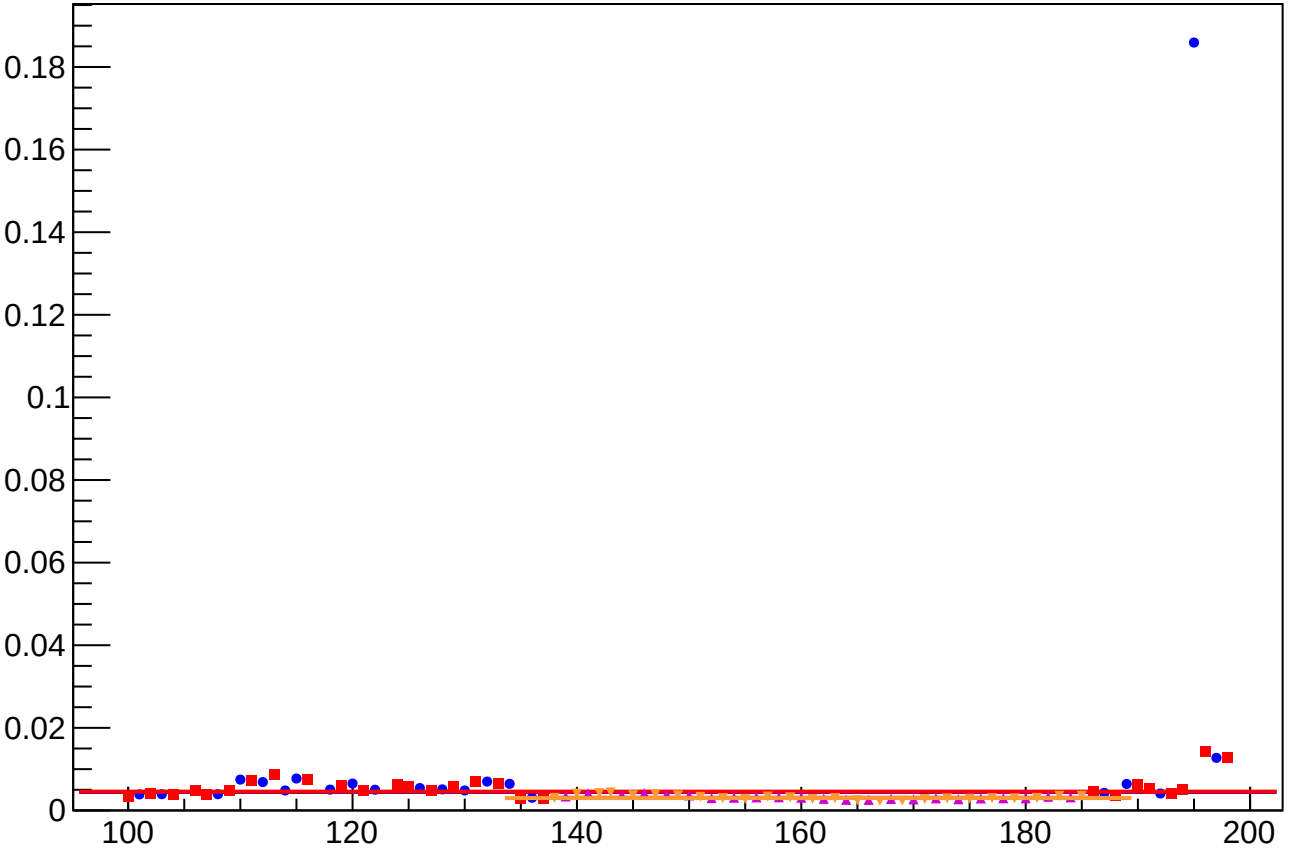
Right: 0.216+/-0.000 χ^2/NDF: 75815363157.2/47

In: 0.181+/-0.000 χ^2/NDF:37023242015.9/43

Out: 0.190+/-0.000 χ^2/NDF:50732949609.3/51

All: 0.186+/-0.000 χ^2/NDF: 87846781351.5/9

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 3295066.5/20

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2341813.8/26

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

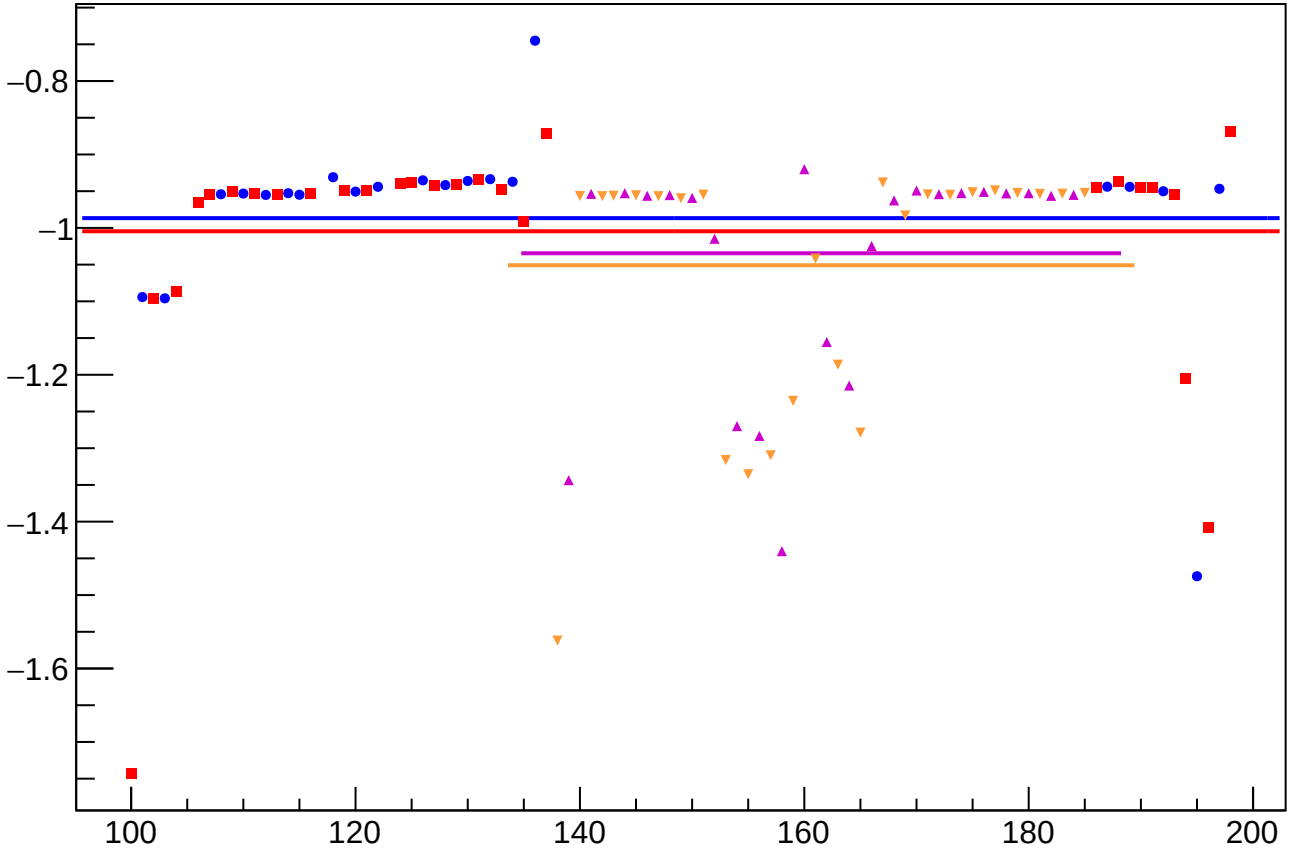
Right: 0.005+/-0.000 χ^2/NDF: 5640156.6/47

In: 0.003+/-0.000 χ^2/NDF:5118445.2/43

Out: 0.003+/-0.000 χ^2/NDF:5048910.3/51

All: 0.003+/-0.000 χ^2/NDF: 10168541.1/95

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.987+/-0.000 χ^2/NDF: 1715043547.8/20

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -1.005+/-0.000 χ^2/NDF: 1670743904.6/26

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

Left: -1.043+/-0.000 χ^2/NDF: 9032853026.0/47

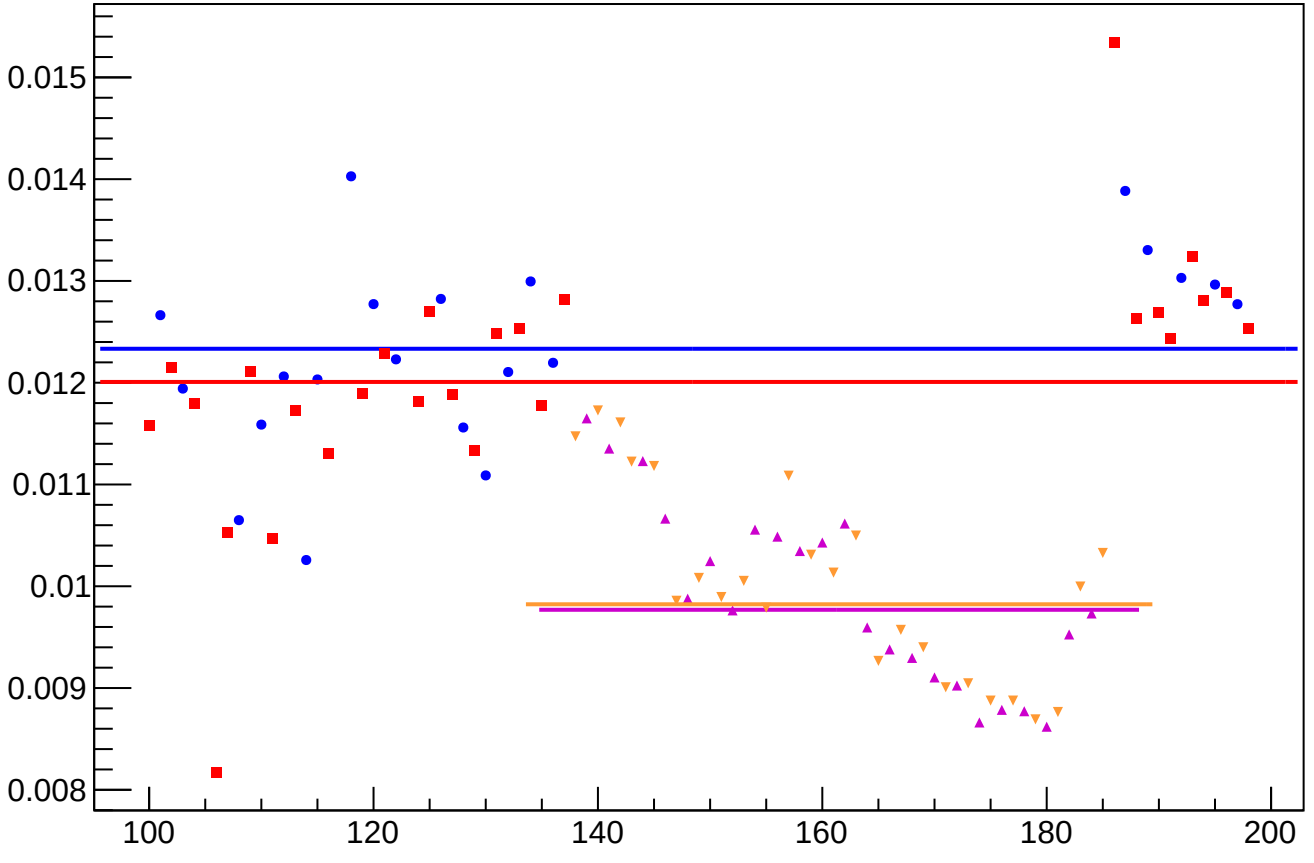
Right: -0.997+/-0.000 χ^2/NDF: 3397784942.9/47

In: -1.022+/-0.000 χ^2/NDF:5753175326.7/43

Out: -1.037+/-0.000 χ^2/NDF:6879690900.6/51

All: -1.030+/-0.000 χ^2/NDF: 12661742604.5/

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 91451.5/20

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 252929.0/26

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

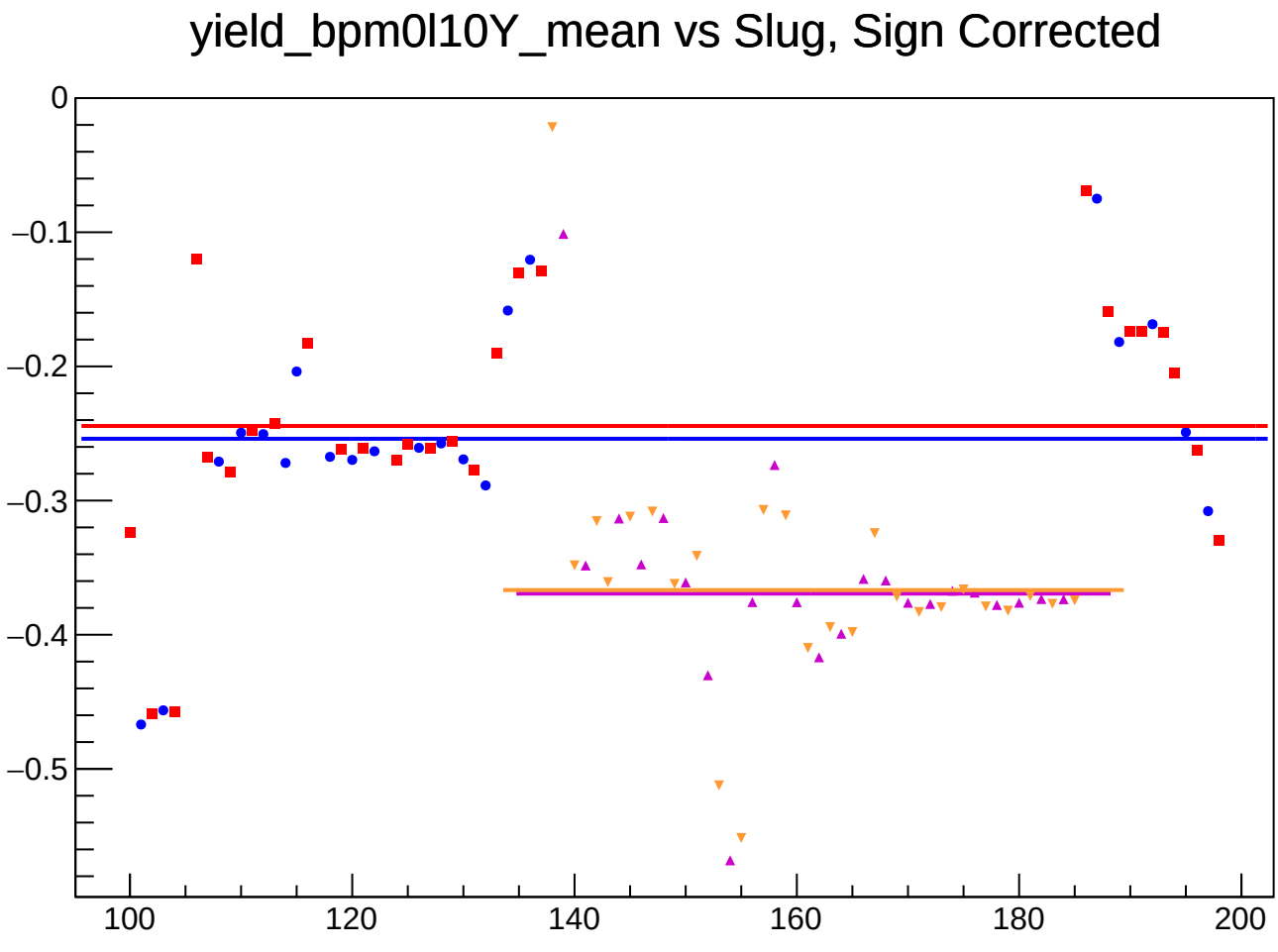
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

Right: 0.012+/-0.000 χ^2/NDF: 352363.8/47

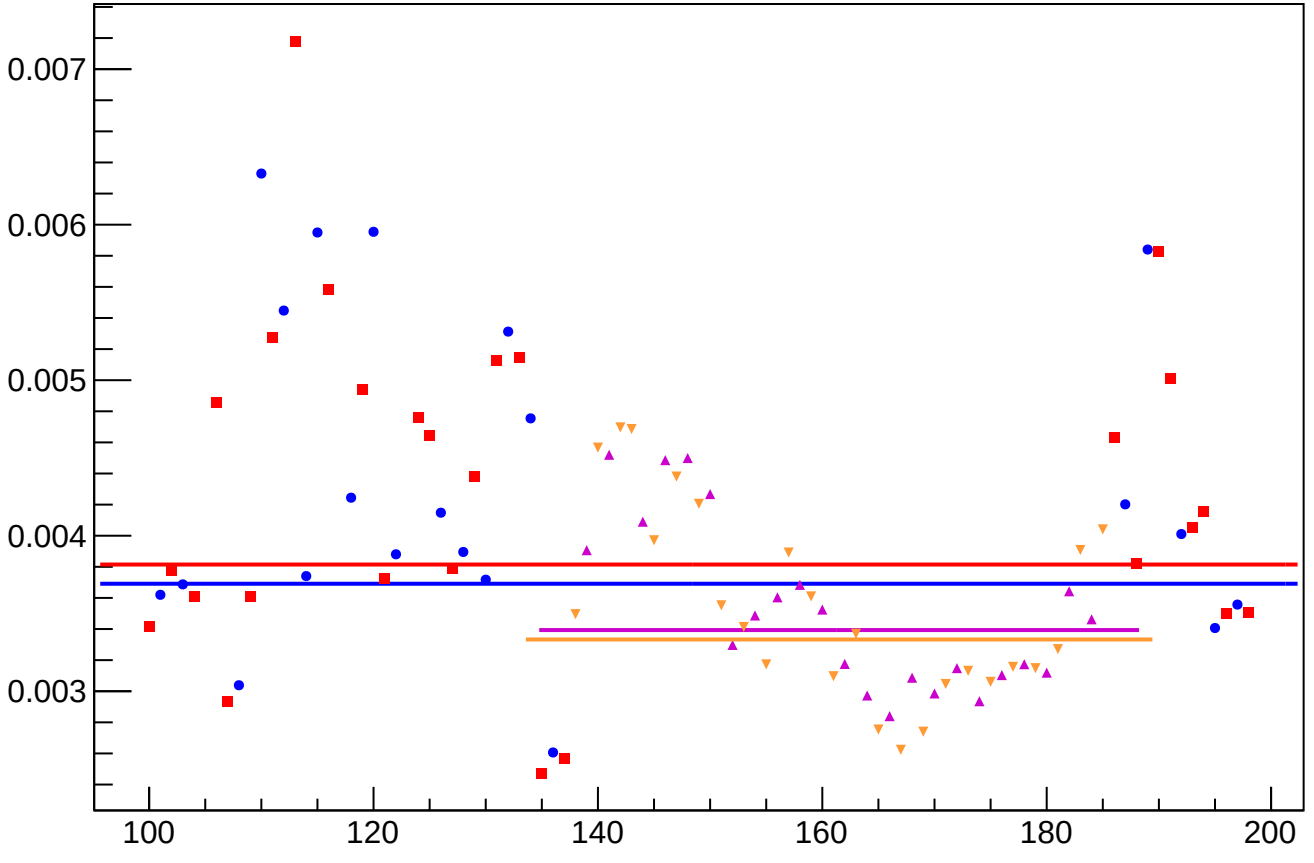
In: 0.010+/-0.000 χ^2/NDF:1018863.1/43

Out: 0.010+/-0.000 χ^2/NDF:1111557.7/51

All: 0.010+/-0.000 χ^2/NDF: 2130921.3/95


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: -0.254+/-0.000 χ²/NDF: 7099667313.9/20
Left Out: -0.367+/-0.000 χ²/NDF:11945266102.2/24
Right Out: -0.244+/-0.000 χ²/NDF: 7260525393.2/26
Left In: -0.369+/-0.000 χ²/NDF:7581323027.3/22
Left: -0.368+/-0.000 χ²/NDF: 19531807890.3/47
Right: -0.249+/-0.000 χ²/NDF: 14391998391.3/47
In: -0.333+/-0.000 χ²/NDF:20680842318.2/43
Out: -0.327+/-0.000 χ²/NDF:26841352362.6/51
All: -0.330+/-0.000 χ²/NDF: 47562819558.2/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 897342.9/20

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1067028.2/26

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

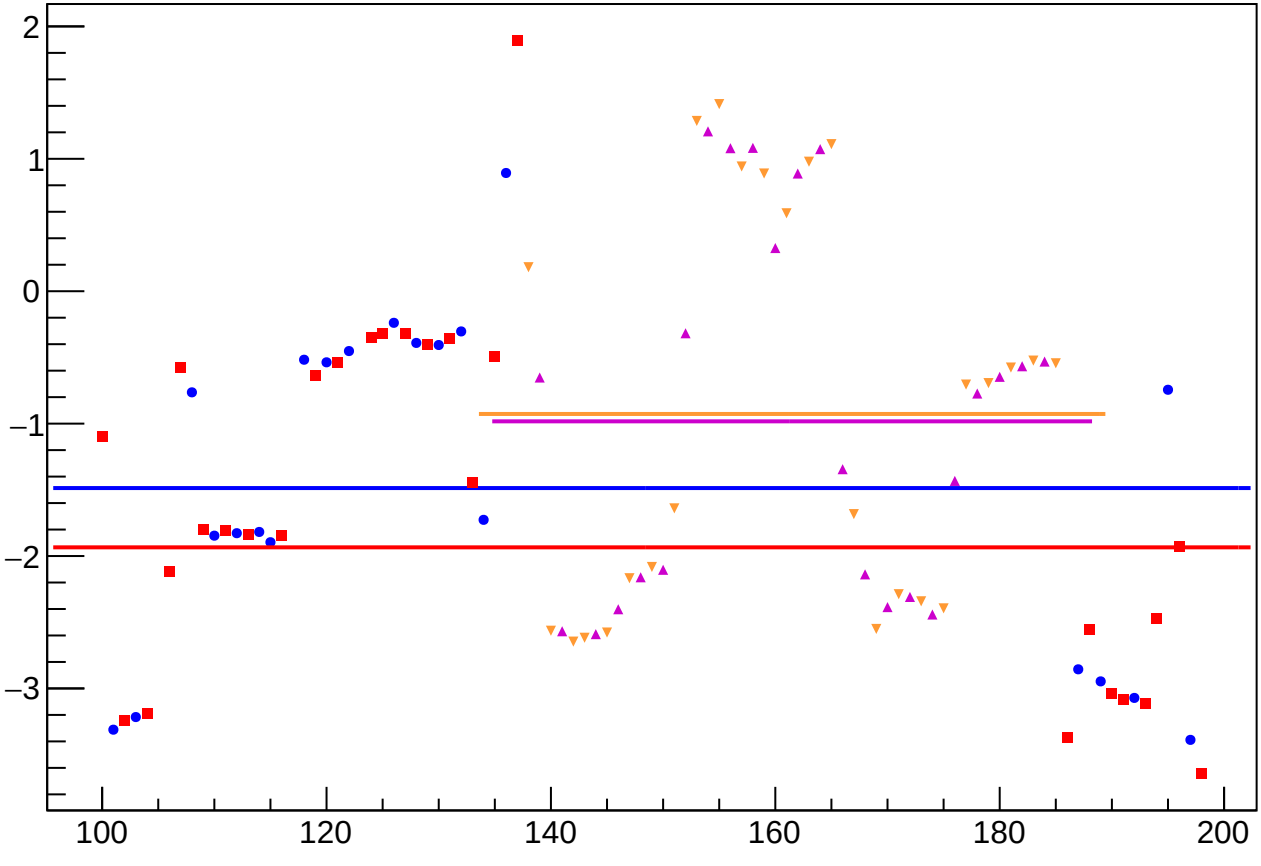
Right: 0.004+/-0.000 χ^2/NDF: 1975090.1/47

In: 0.003+/-0.000 χ^2/NDF:1610880.3/43

Out: 0.003+/-0.000 χ^2/NDF:2161965.1/51

All: 0.003+/-0.000 χ^2/NDF: 3772855.0/95

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.487+/-0.000 χ^2/NDF: 3868147631.9/20

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.934+/-0.000 χ^2/NDF: 3408237362.7/26

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

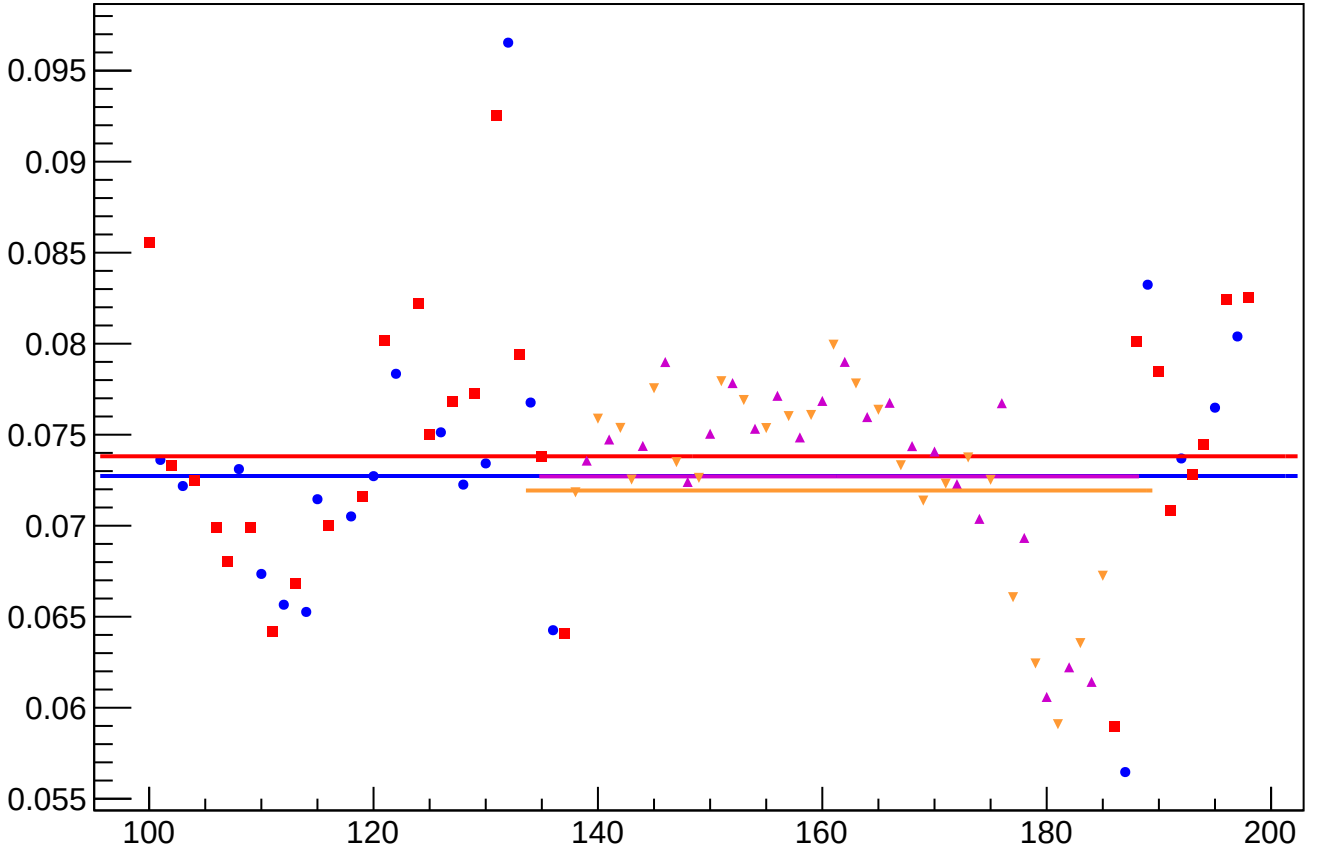
Right: -1.728+/-0.000 χ^2/NDF: 7487932246.3/47

In: -1.167+/-0.000 χ^2/NDF:10101799794.1/43

Out: -1.315+/-0.000 χ^2/NDF:12088201989.5/51

All: -1.245+/-0.000 χ^2/NDF: 22251269752.9/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.073+/-0.000 χ^2/NDF: 170286.1/20

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

Right Out: 0.074+/-0.000 χ^2/NDF: 202873.0/26

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

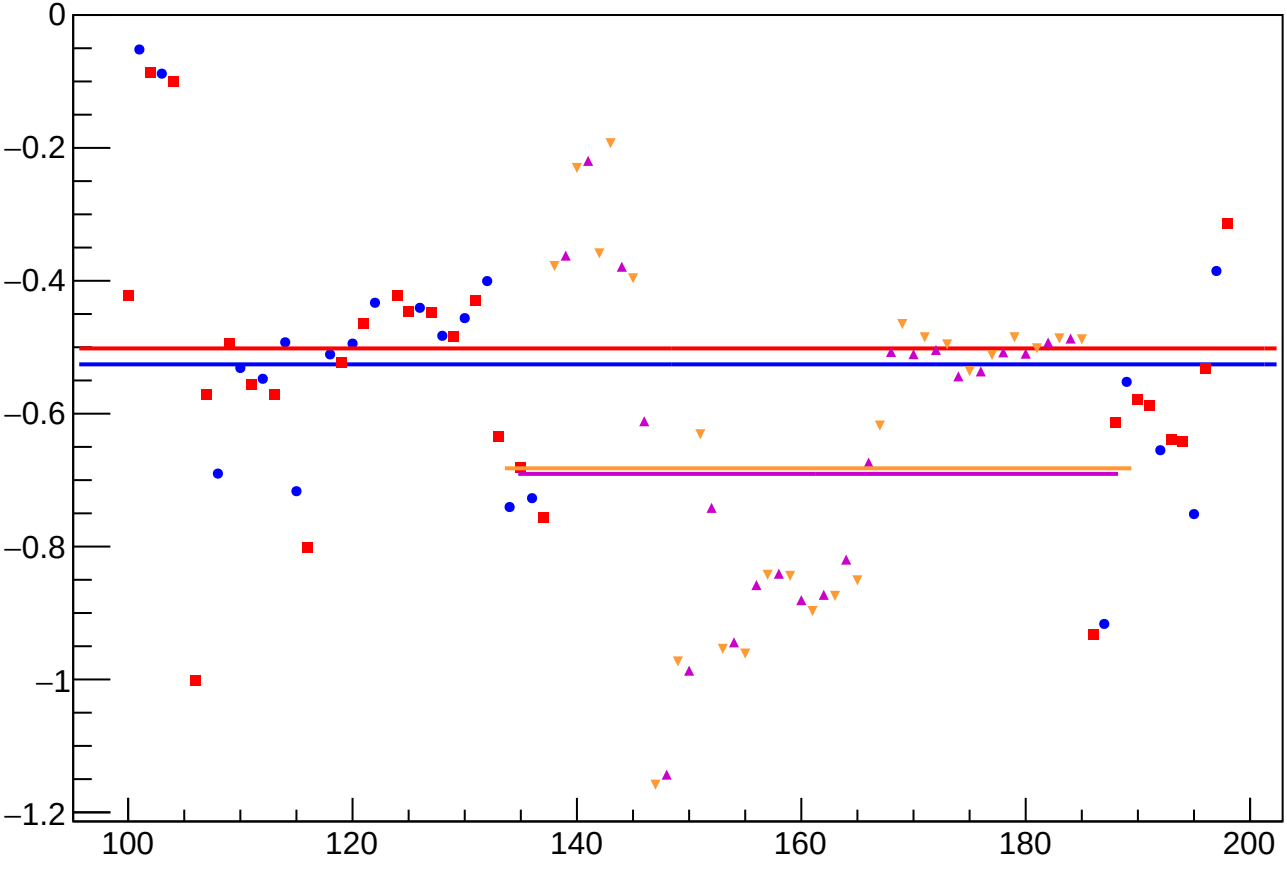
Right: 0.073+/-0.000 χ^2/NDF: 375633.5/47

In: 0.073+/-0.000 χ^2/NDF:367296.5/43

Out: 0.073+/-0.000 χ^2/NDF:448373.2/51

All: 0.073+/-0.000 χ^2/NDF: 815689.7/95

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -0.526+/-0.000 χ^2/NDF: 5658690008.6/20

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.502+/-0.000 χ^2/NDF: 5362479519.3/26

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

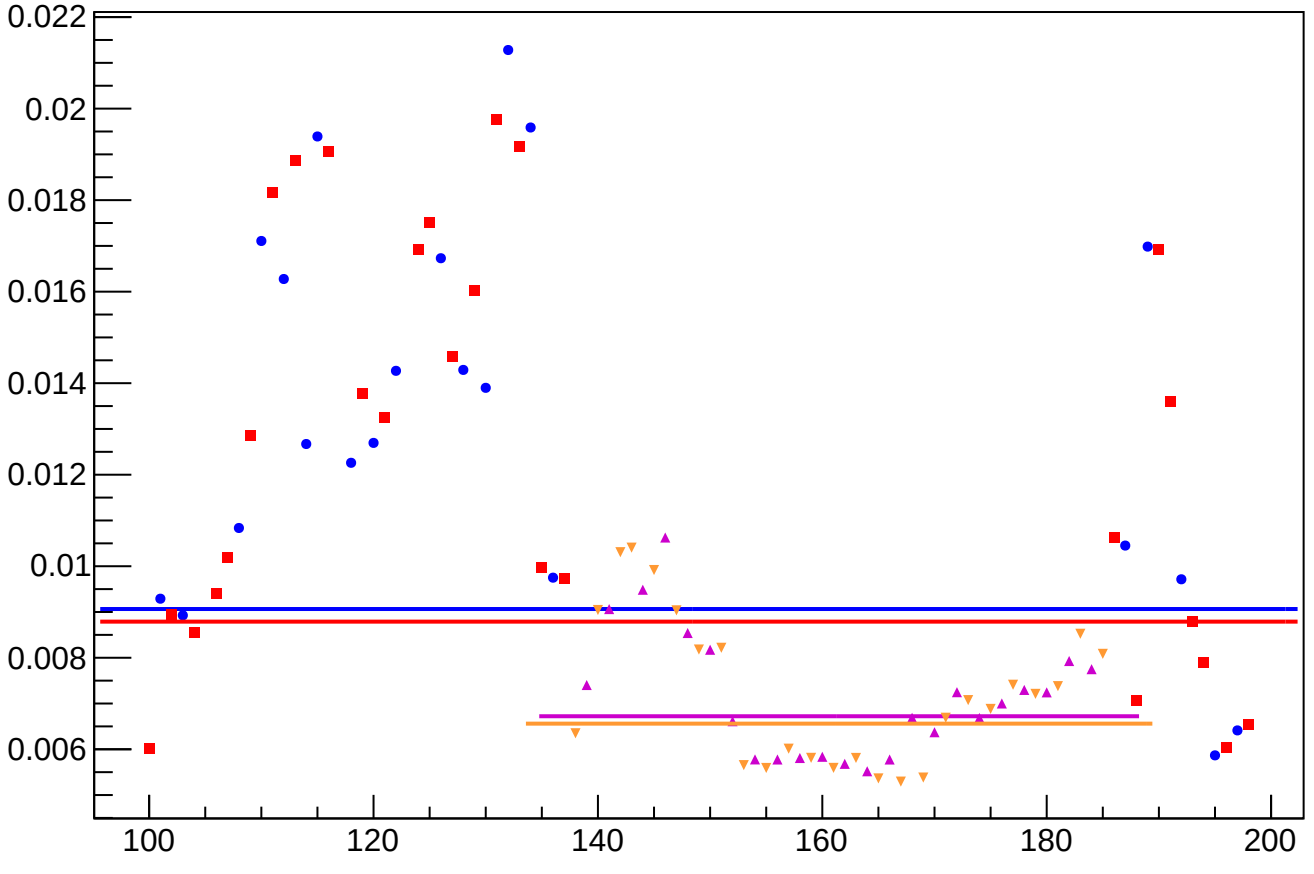
Right: -0.512+/-0.000 χ^2/NDF: 11054266619.9/47

In: -0.655+/-0.000 χ^2/NDF:24713364146.5/43

Out: -0.639+/-0.000 χ^2/NDF:30401087678.8/51

All: -0.646+/-0.000 χ^2/NDF: 55179831626.7/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 2382762.0/20

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2704652.9/26

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

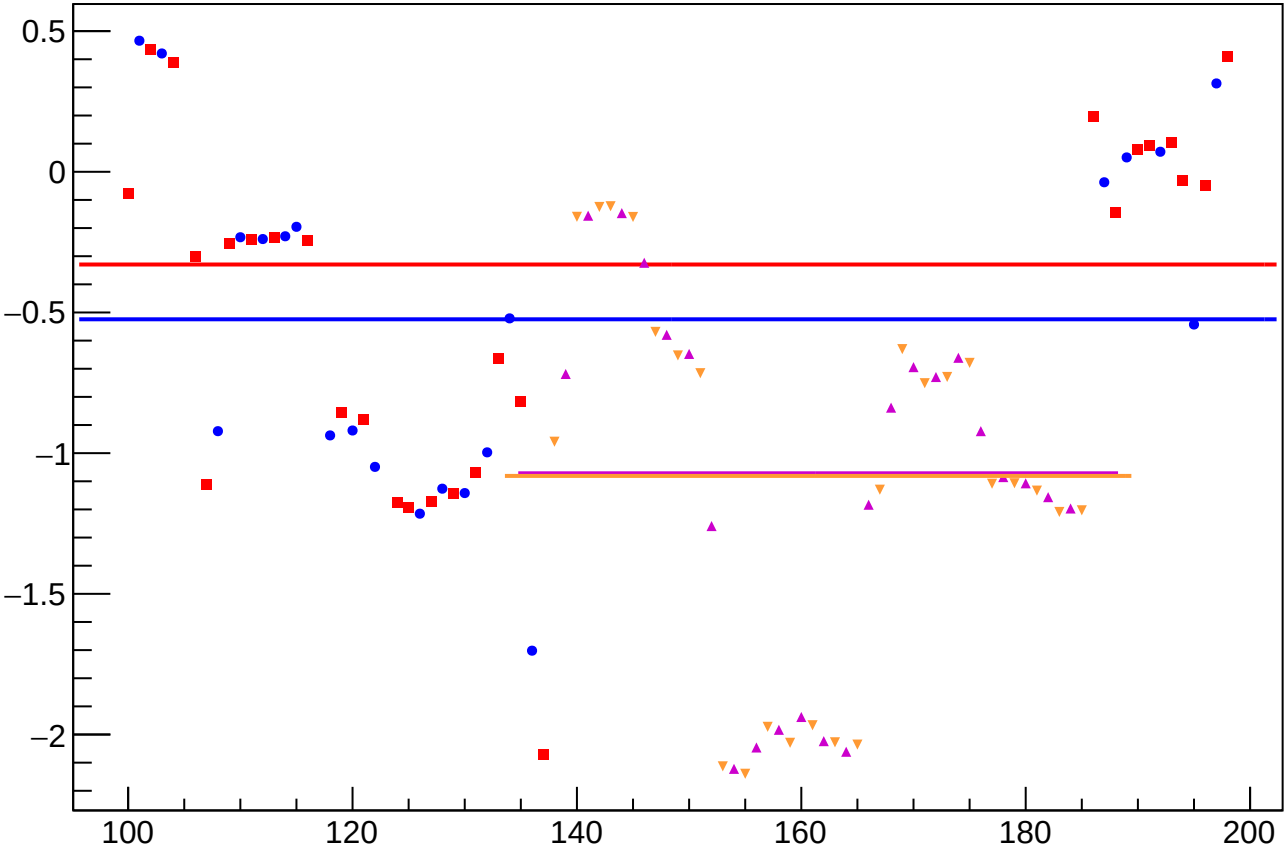
Right: 0.009+/-0.000 χ^2/NDF: 5096163.7/47

In: 0.007+/-0.000 χ^2/NDF:4227400.4/43

Out: 0.007+/-0.000 χ^2/NDF:5090147.2/51

All: 0.007+/-0.000 χ^2/NDF: 9326430.6/95

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.524+/-0.000 χ^2/NDF: 596433652.4/20

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.329+/-0.000 χ^2/NDF: 519939304.2/26

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

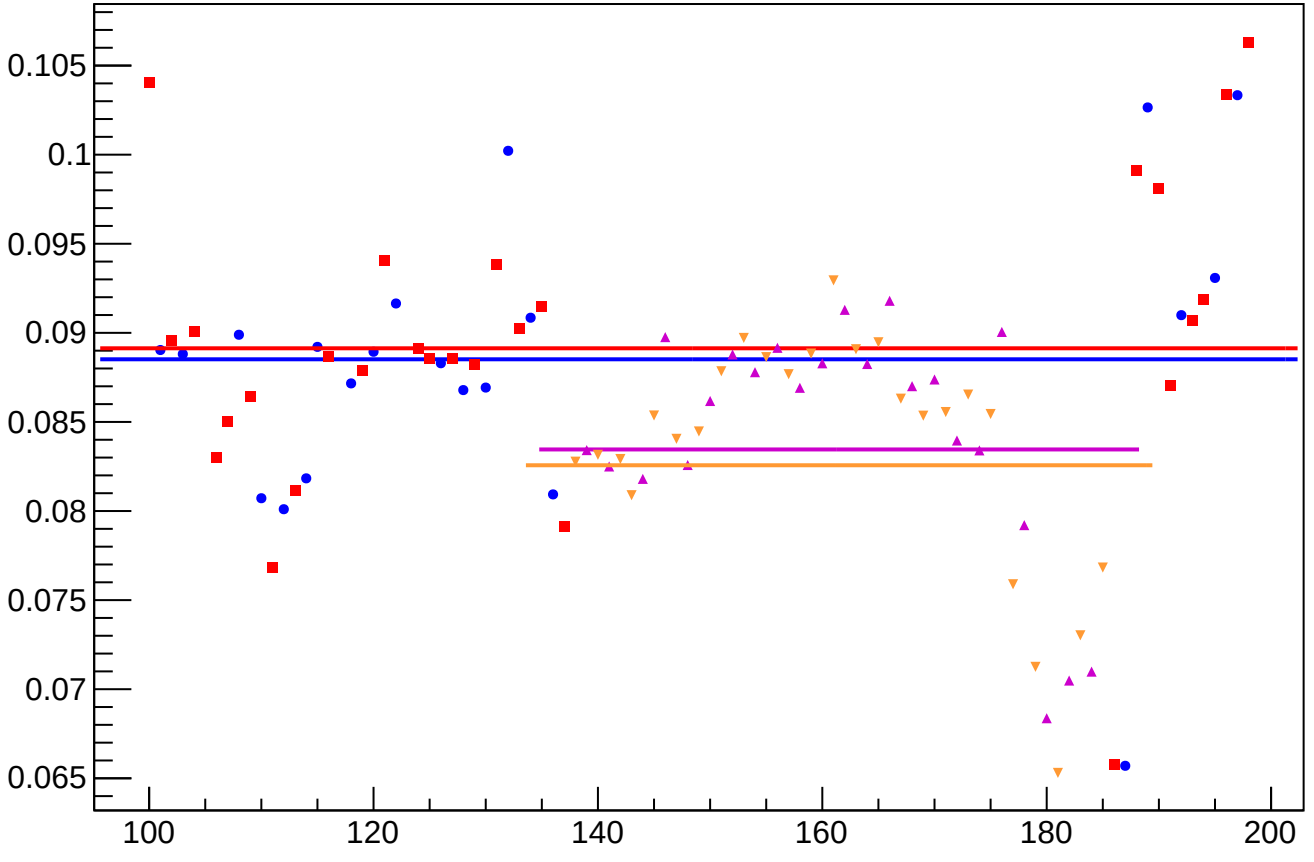
Right: -0.419+/-0.000 χ^2/NDF: 1143983649.8/47

In: -0.885+/-0.000 χ^2/NDF:1837101079.1/43

Out: -0.809+/-0.000 χ^2/NDF:2245360207.6/51

All: -0.845+/-0.000 χ^2/NDF: 4094564271.5/9

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.089+/-0.000 χ^2/NDF: 154360.7/20

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.089+/-0.000 χ^2/NDF: 259456.0/26

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

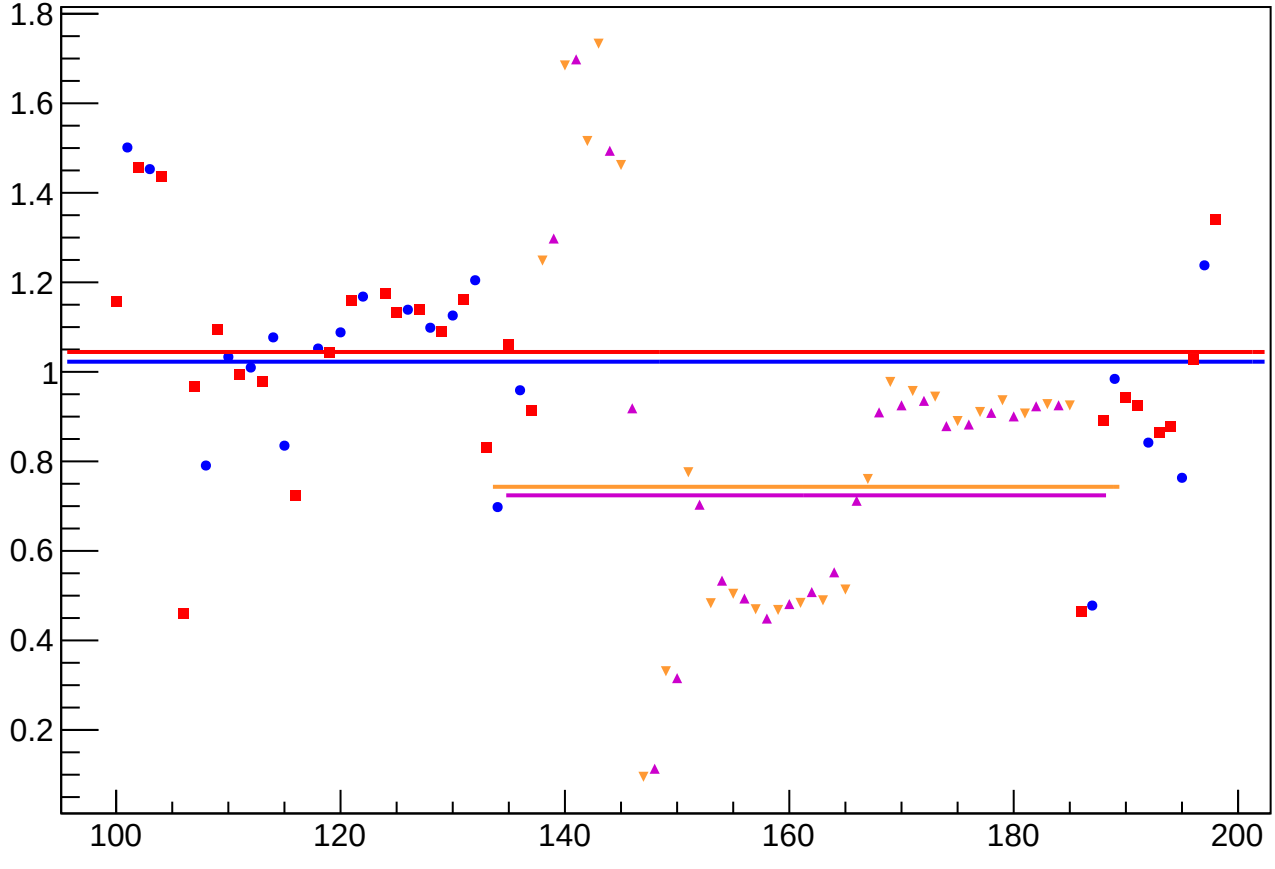
Right: 0.089+/-0.000 χ^2/NDF: 414371.1/47

In: 0.085+/-0.000 χ^2/NDF:438076.4/43

Out: 0.085+/-0.000 χ^2/NDF:638077.7/51

All: 0.085+/-0.000 χ^2/NDF: 1076381.6/95

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.023+/-0.000 χ^2/NDF: 3366857391.2/20

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.044+/-0.000 χ^2/NDF: 3583092924.9/26

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

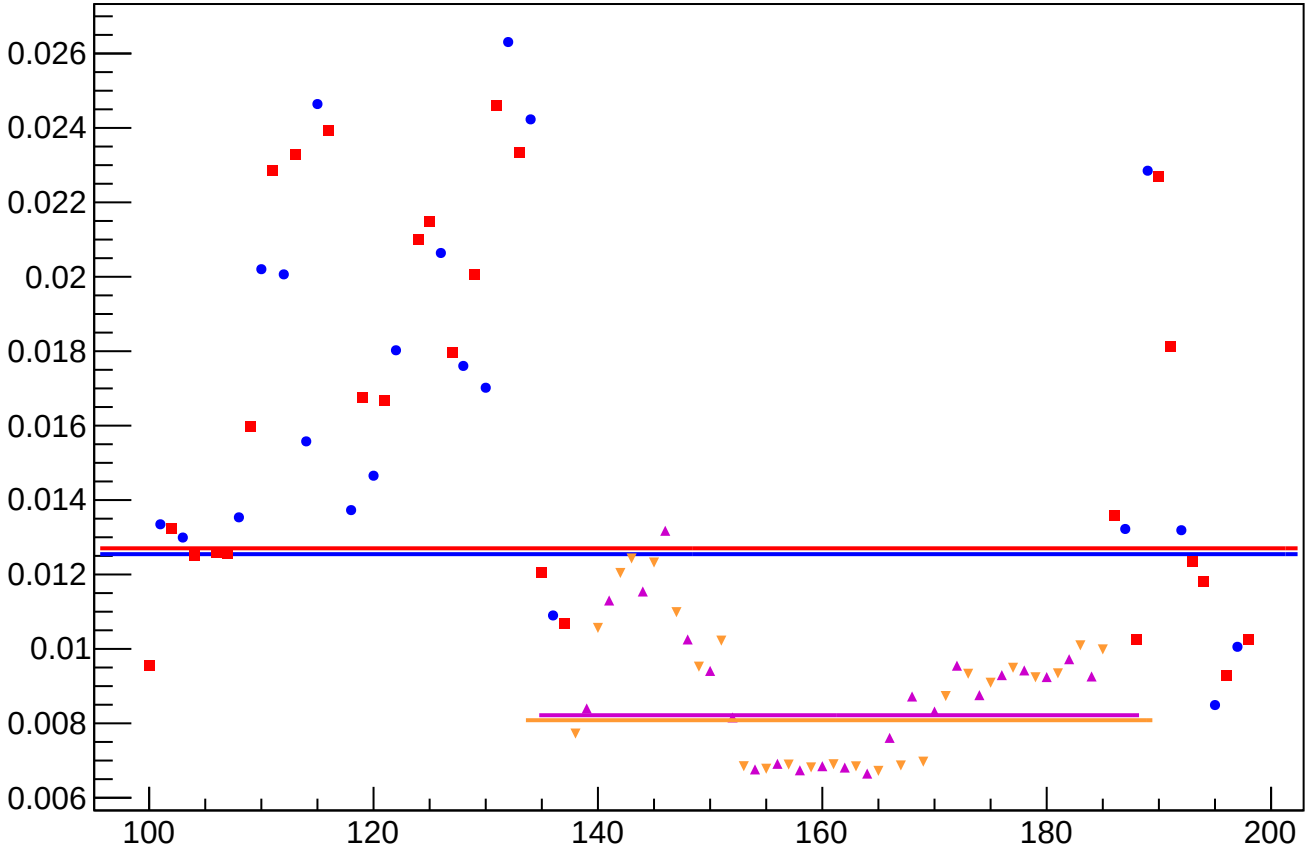
Right: 1.034+/-0.000 χ^2/NDF: 6964172494.1/47

In: 0.779+/-0.000 χ^2/NDF:33086526918.9/43

Out: 0.802+/-0.000 χ^2/NDF:40947052662.7/51

All: 0.791+/-0.000 χ^2/NDF: 74115379177.6/9

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1634995.3/20

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1772675.0/26

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

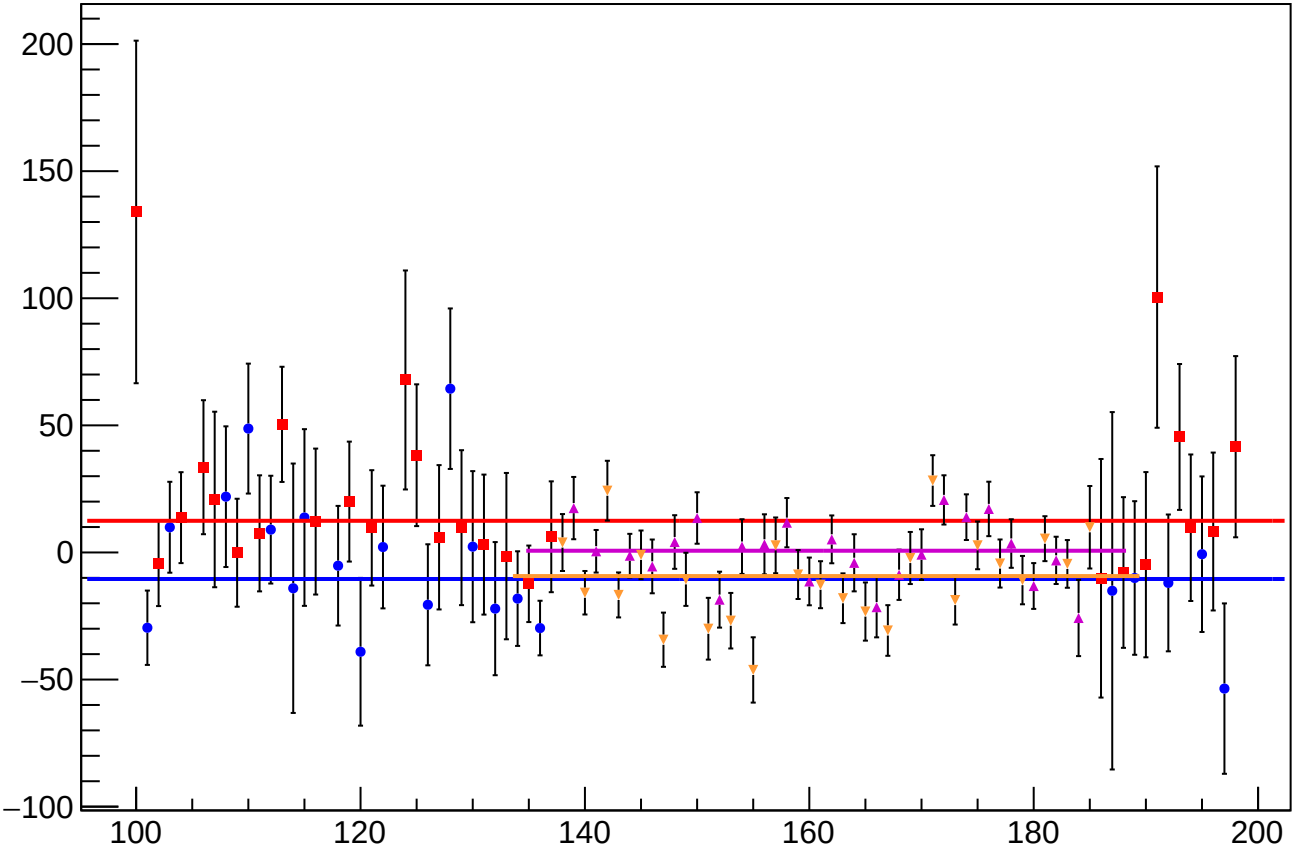
Right: 0.013+/-0.000 χ^2/NDF: 3409165.8/47

In: 0.009+/-0.000 χ^2/NDF:4471396.1/43

Out: 0.009+/-0.000 χ^2/NDF:5429230.4/51

All: 0.009+/-0.000 χ^2/NDF: 9900984.2/95

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -10.438+/-4.978 χ^2/NDF: 23.7/20

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: 12.453+/-4.996 χ^2/NDF: 19.8/26

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

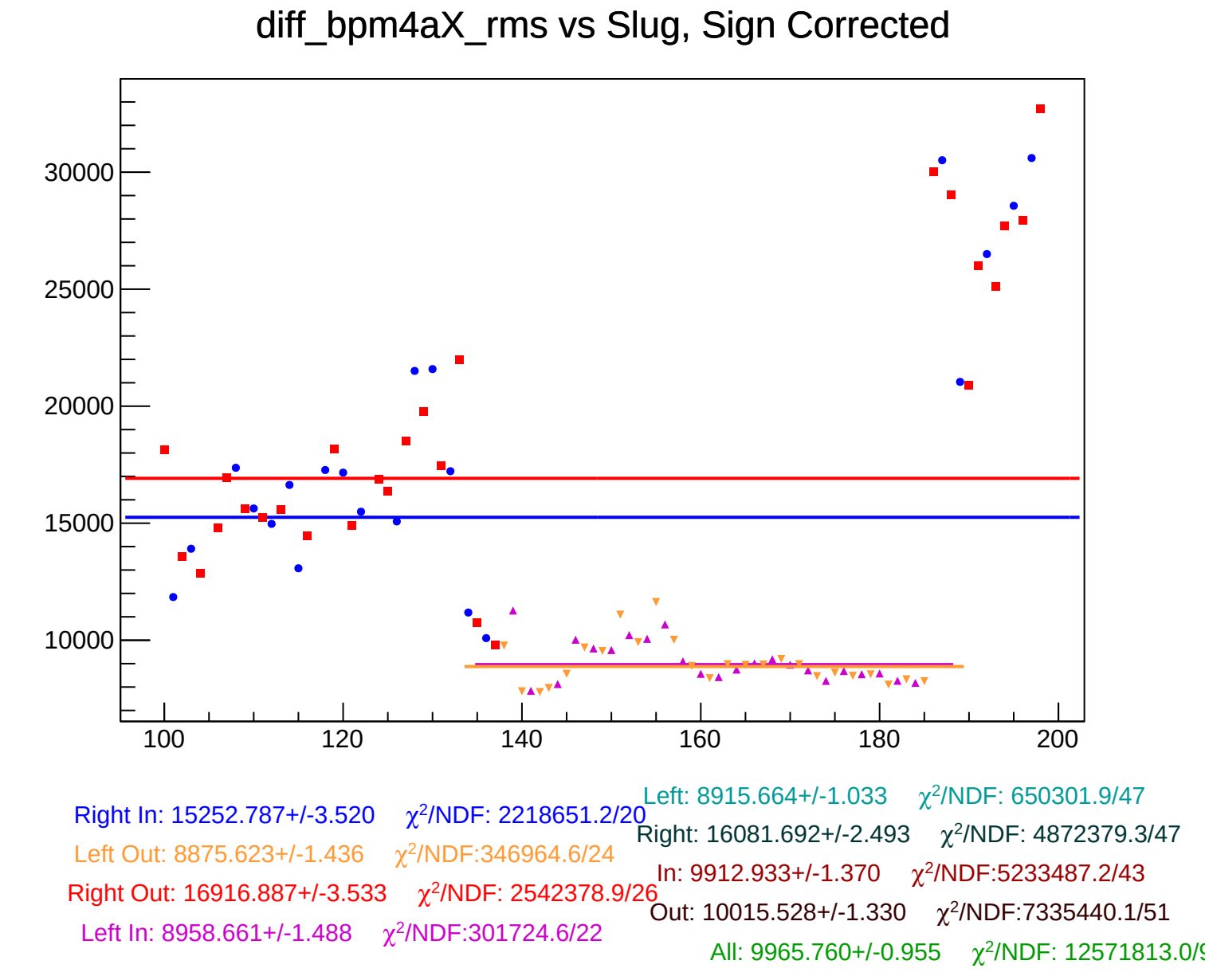
Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

Right: 0.964+/-3.526 χ^2/NDF: 54.0/47

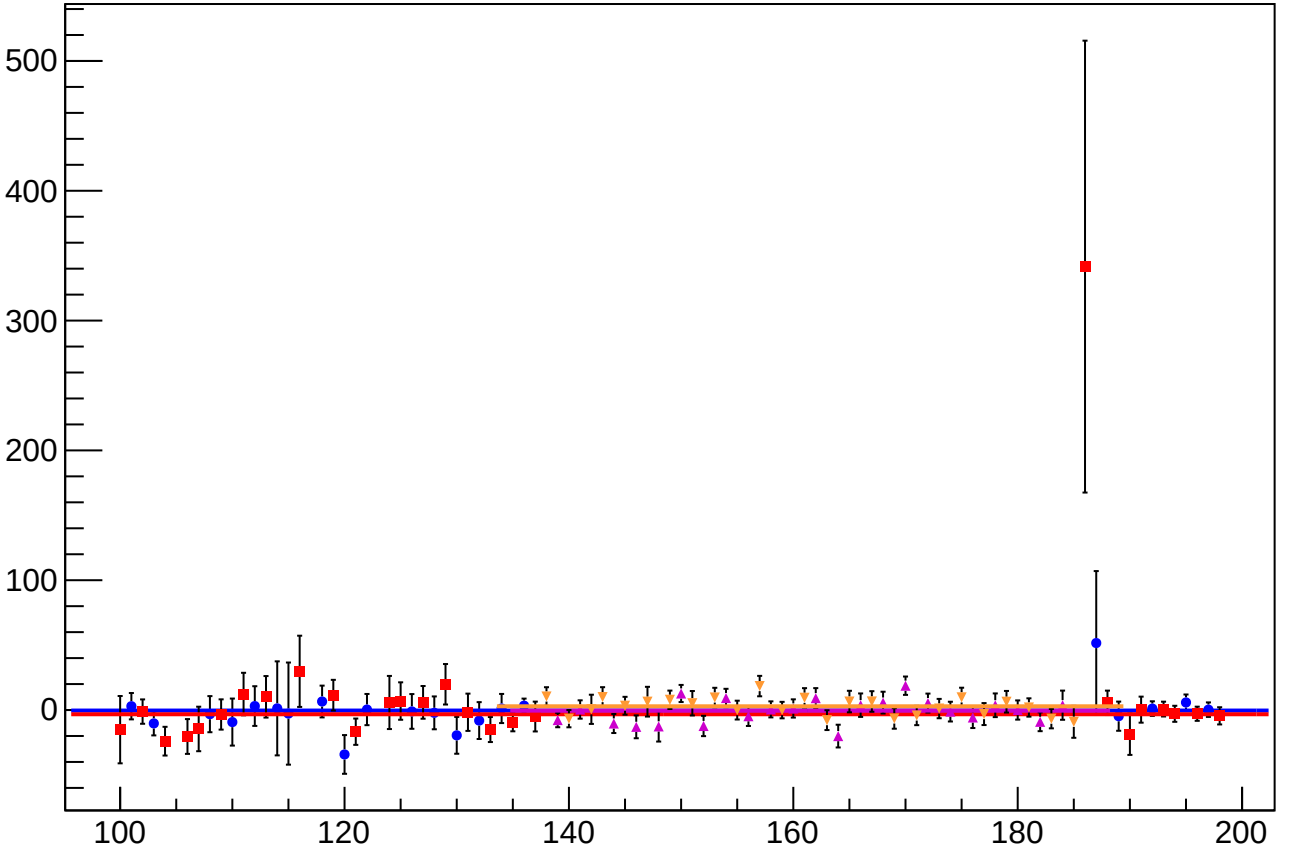
In: -1.009+/-1.938 χ^2/NDF:57.4/43

Out: -6.209+/-1.881 χ^2/NDF:97.2/51

All: -3.687+/-1.350 χ^2/NDF: 158.3/95


diff_bpm4aX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15252.787+/-3.520 χ²/NDF: 2218651.2/20
Left Out: 8875.623+/-1.436 χ²/NDF:346964.6/24
Right Out: 16916.887+/-3.533 χ²/NDF: 2542378.9/26
Left In: 8958.661+/-1.488 χ²/NDF:301724.6/22
Left: 8915.664+/-1.033 χ²/NDF: 650301.9/47
Right: 16081.692+/-2.493 χ²/NDF: 4872379.3/47
In: 9912.933+/-1.370 χ²/NDF:5233487.2/43
Out: 10015.528+/-1.330 χ²/NDF:7335440.1/51
All: 9965.760+/-0.955 χ²/NDF: 12571813.0/9

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.407+/-2.154 χ^2/NDF: 11.8/20

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: -3.268+/-1.950 χ^2/NDF: 24.3/26

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

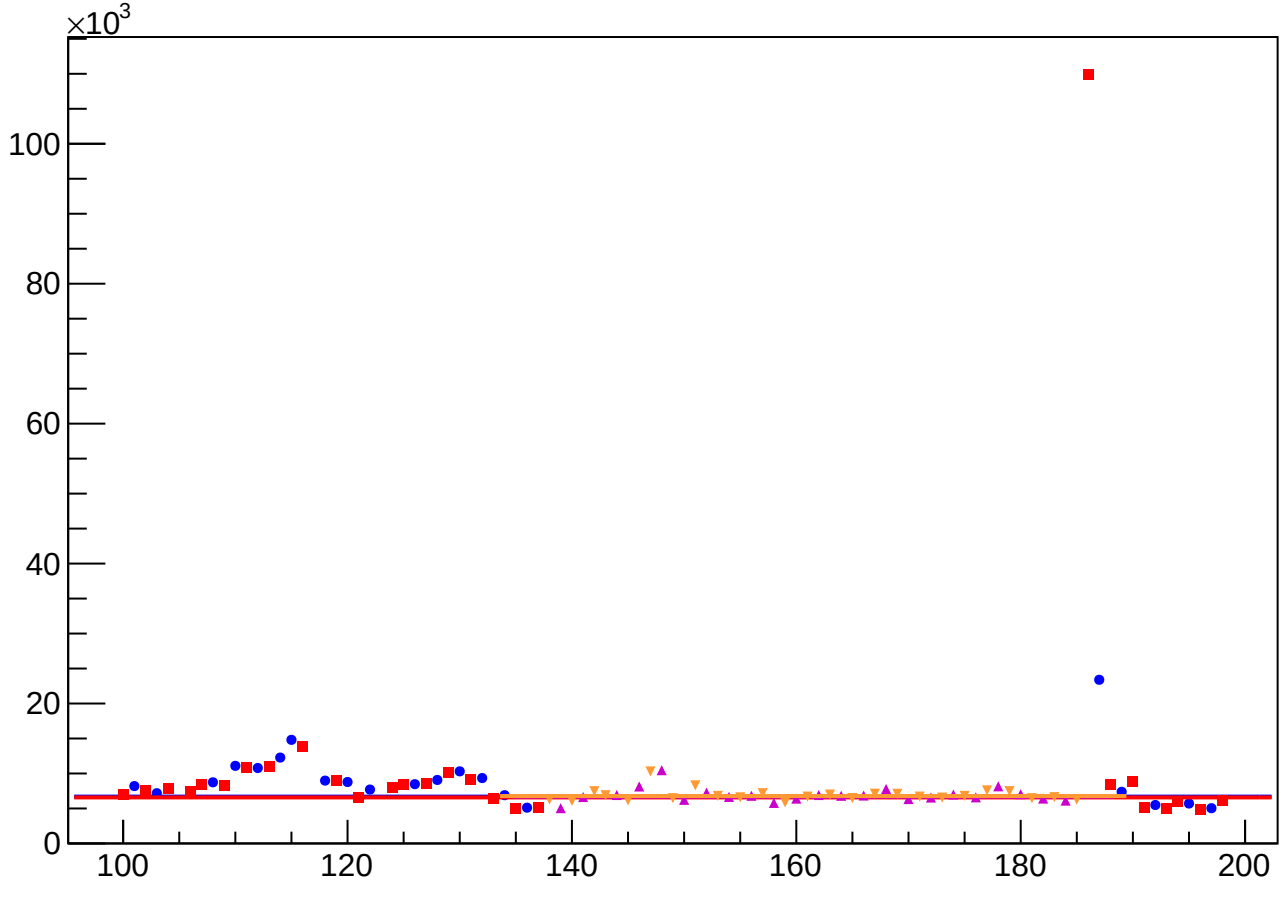
Right: -1.979+/-1.446 χ^2/NDF: 37.1/47

In: -0.439+/-1.275 χ^2/NDF:44.6/43

Out: 0.493+/-1.215 χ^2/NDF:49.9/51

All: 0.049+/-0.880 χ^2/NDF: 94.8/95

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 6696.484+/-1.523 χ^2/NDF: 1593064.3/20

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

Right Out: 6578.115+/-1.379 χ^2/NDF: 2292439.5/26

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

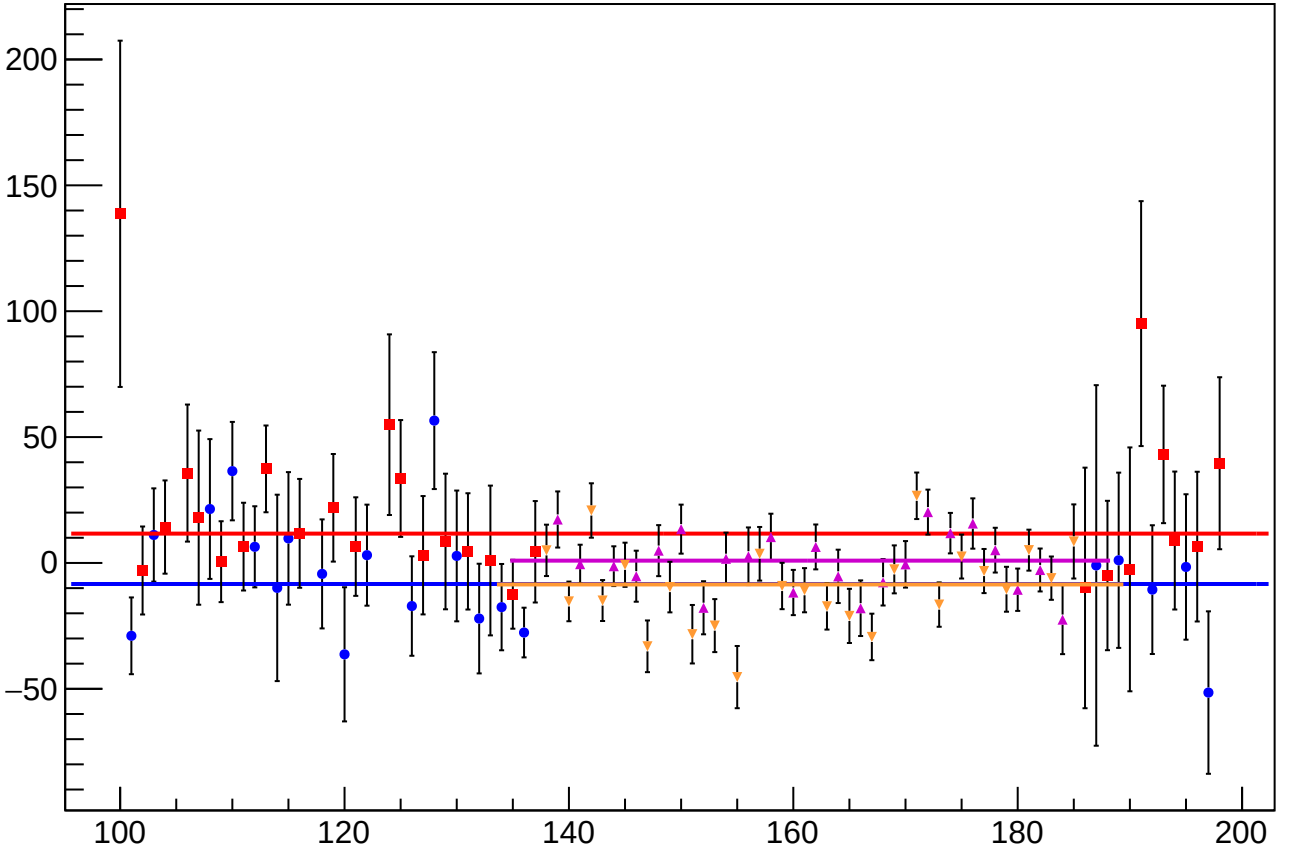
Right: 6631.448+/-1.022 χ^2/NDF: 3888822.8/47

In: 6691.979+/-0.901 χ^2/NDF:2213354.6/43

Out: 6699.627+/-0.859 χ^2/NDF:2705294.9/51

All: 6695.985+/-0.622 χ^2/NDF: 4918687.3/95

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -8.361+/-4.515 χ^2/NDF: 24.6/20

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: 11.654+/-4.482 χ^2/NDF: 19.6/26

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

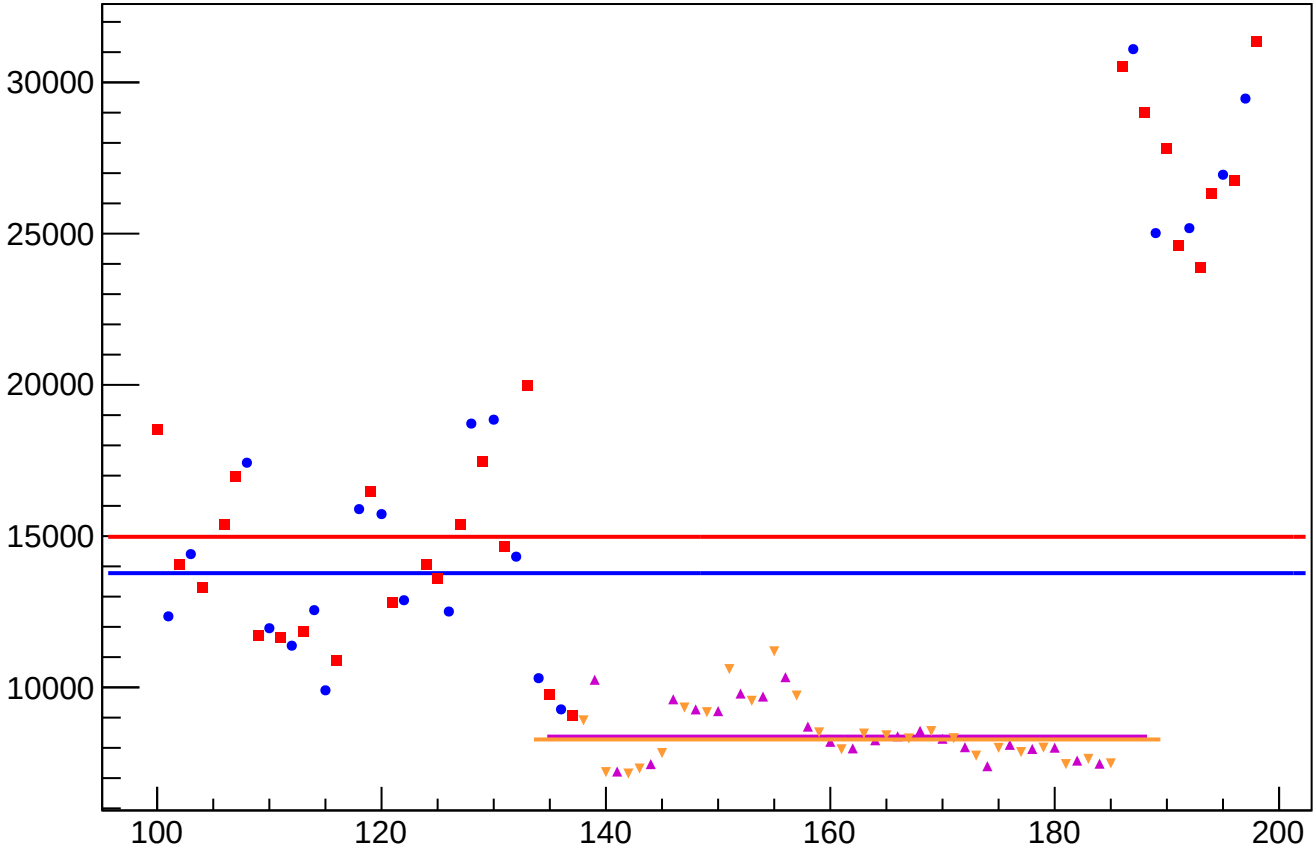
Right: 1.719+/-3.181 χ^2/NDF: 54.1/47

In: -0.564+/-1.805 χ^2/NDF:57.3/43

Out: -5.470+/-1.747 χ^2/NDF:98.7/51

All: -3.097+/-1.255 χ^2/NDF: 159.8/95

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 13775.979+/-3.192 χ^2/NDF: 2458072.9/20

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

Right Out: 14977.634+/-3.169 χ^2/NDF: 3113128.0/26

Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

Left: 8323.298+/-0.966 χ^2/NDF: 850375.1/47

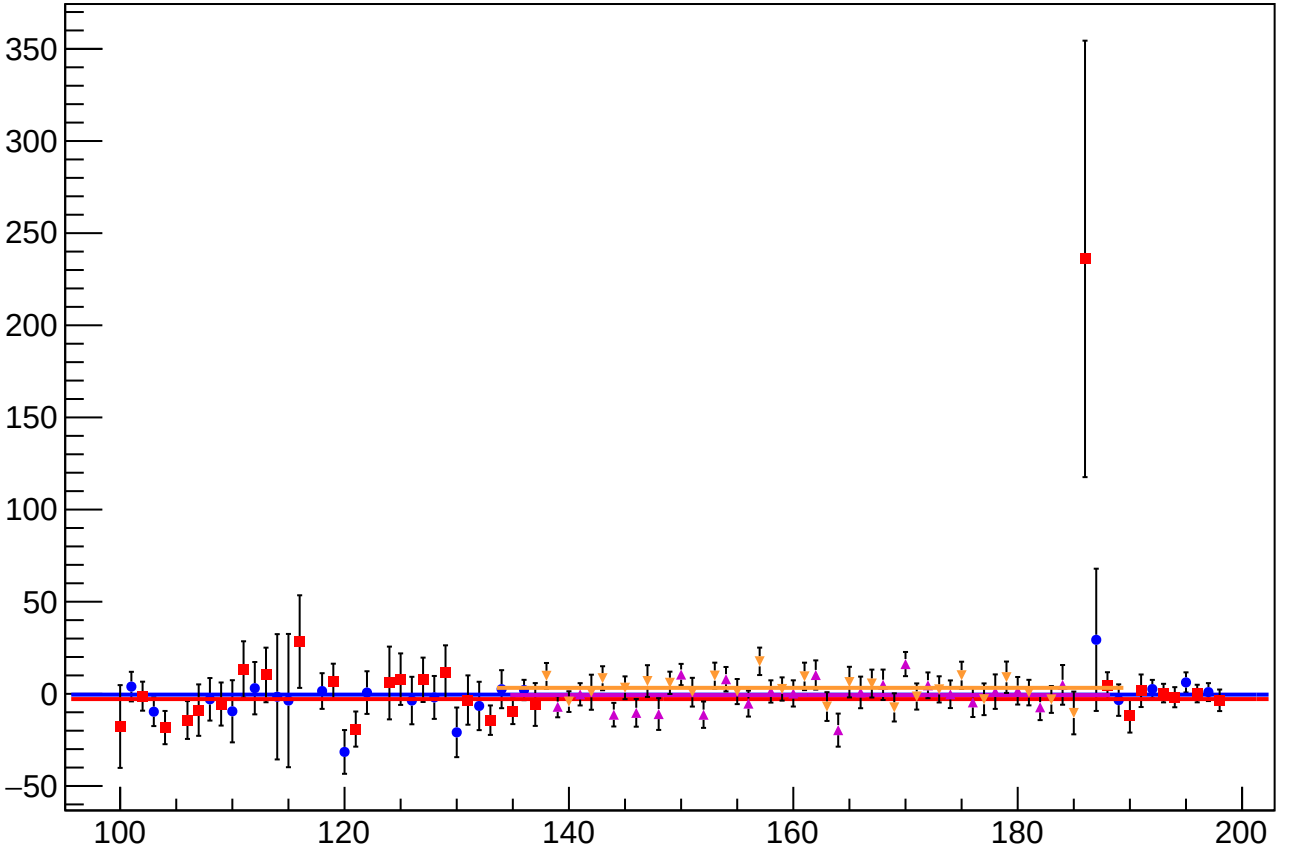
Right: 14381.140+/-2.249 χ^2/NDF: 5642559.4/47

In: 9235.896+/-1.276 χ^2/NDF:5258316.4/43

Out: 9295.270+/-1.235 χ^2/NDF:7358365.6/51

All: 9266.553+/-0.888 χ^2/NDF: 12617799.8/9

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -0.426+/-1.916 χ^2/NDF: 14.6/20

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: -2.841+/-1.708 χ^2/NDF: 25.0/26

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

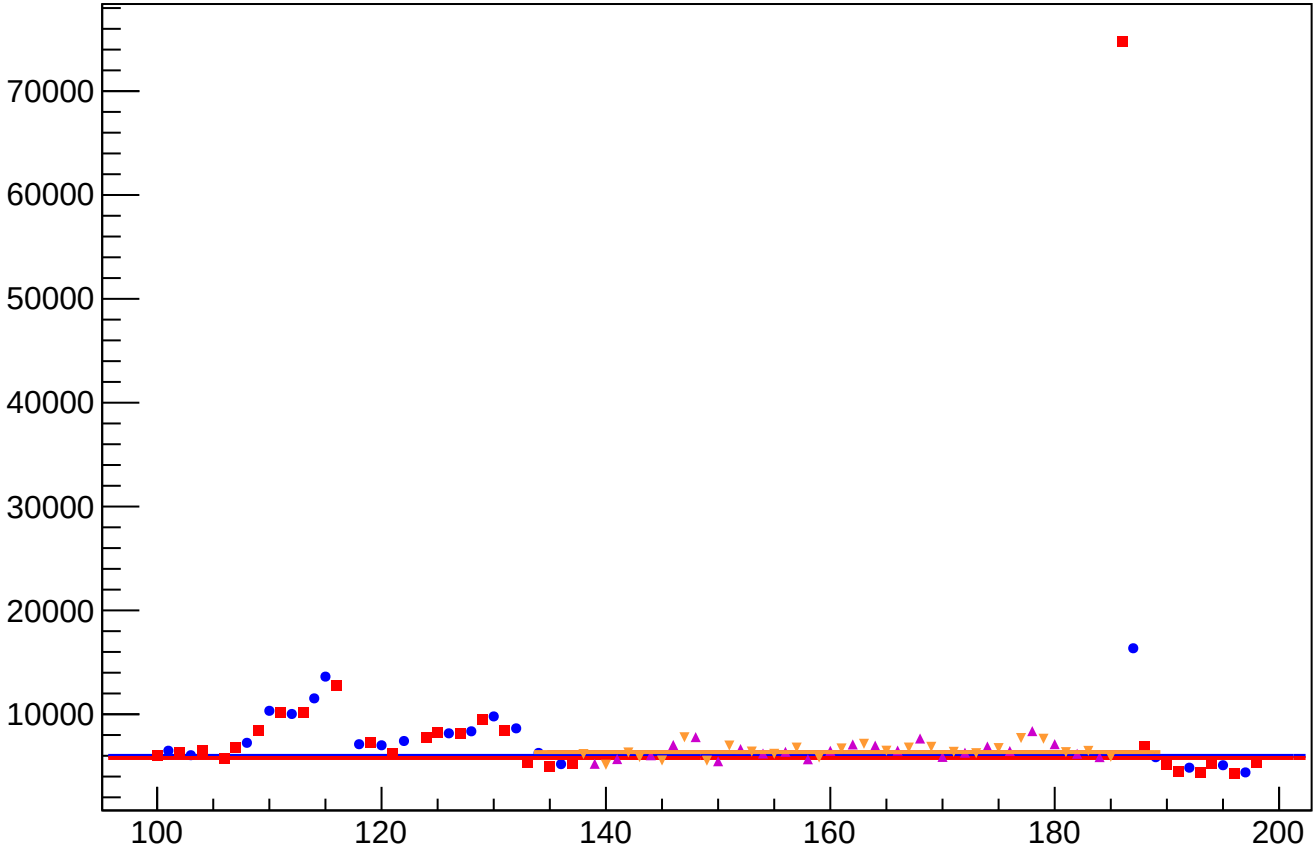
Right: -1.772+/-1.275 χ^2/NDF: 40.4/47

In: -0.562+/-1.181 χ^2/NDF:45.3/43

Out: 0.686+/-1.108 χ^2/NDF:50.0/51

All: 0.101+/-0.808 χ^2/NDF: 95.9/95

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 5989.042+/-1.355 χ^2/NDF: 1480935.3/20

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5789.569+/-1.207 χ^2/NDF: 2258132.9/26

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

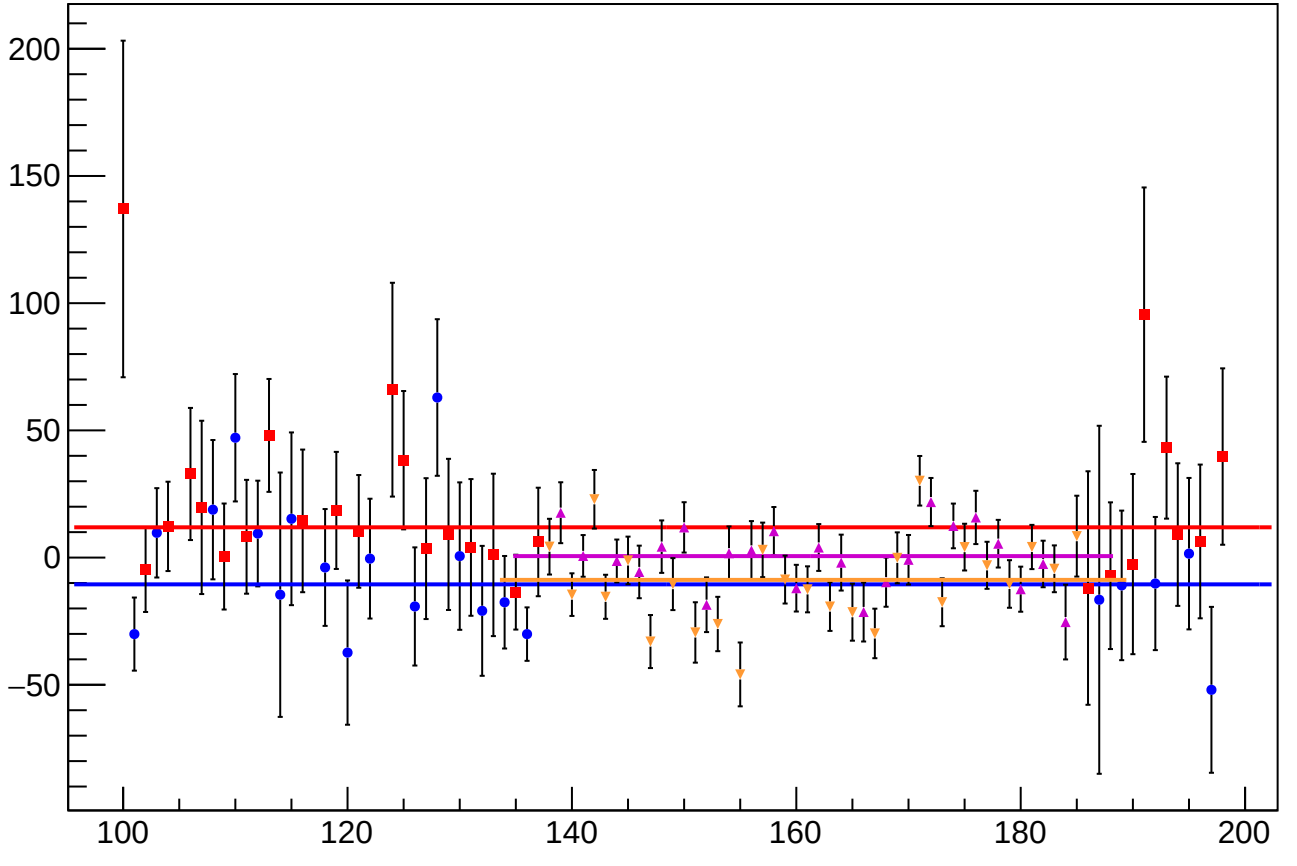
Right: 5877.864+/-0.901 χ^2/NDF: 3751149.4/47

In: 6219.074+/-0.835 χ^2/NDF:2001284.5/43

Out: 6118.247+/-0.784 χ^2/NDF:2800321.0/51

All: 6165.478+/-0.571 χ^2/NDF: 4809357.6/95

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -10.525+/-4.868 χ^2/NDF: 23.9/20

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: 11.899+/-4.885 χ^2/NDF: 20.0/26

Left In: 0.579+/-2.059 χ^2/NDF:29.6/22

Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

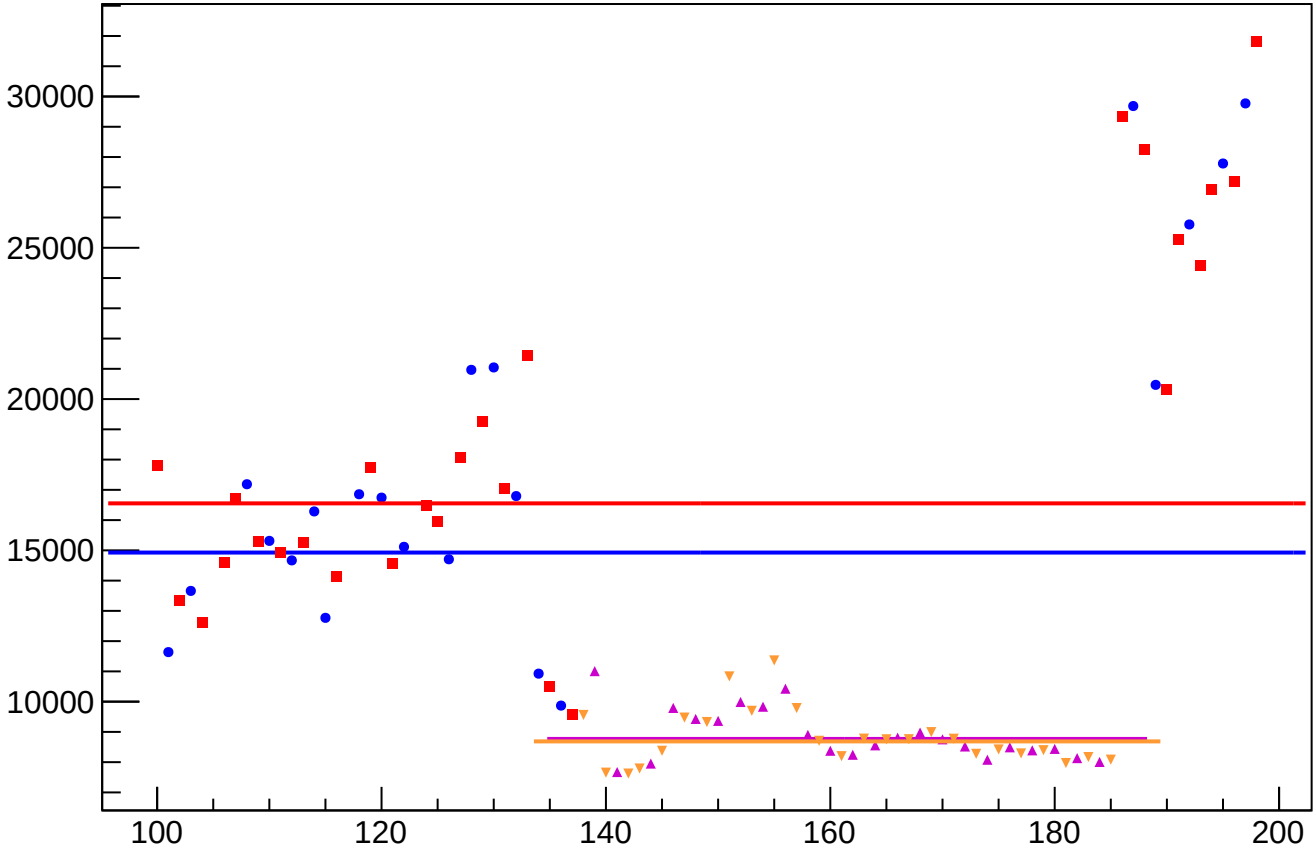
Right: 0.647+/-3.448 χ^2/NDF: 54.4/47

In: -1.106+/-1.896 χ^2/NDF:57.8/43

Out: -5.833+/-1.841 χ^2/NDF:98.0/51

All: -3.540+/-1.321 χ^2/NDF: 159.1/95

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 14927.402+/-3.442 χ^2/NDF: 2194655.6/20

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 16553.226+/-3.454 χ^2/NDF: 2507921.1/26

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

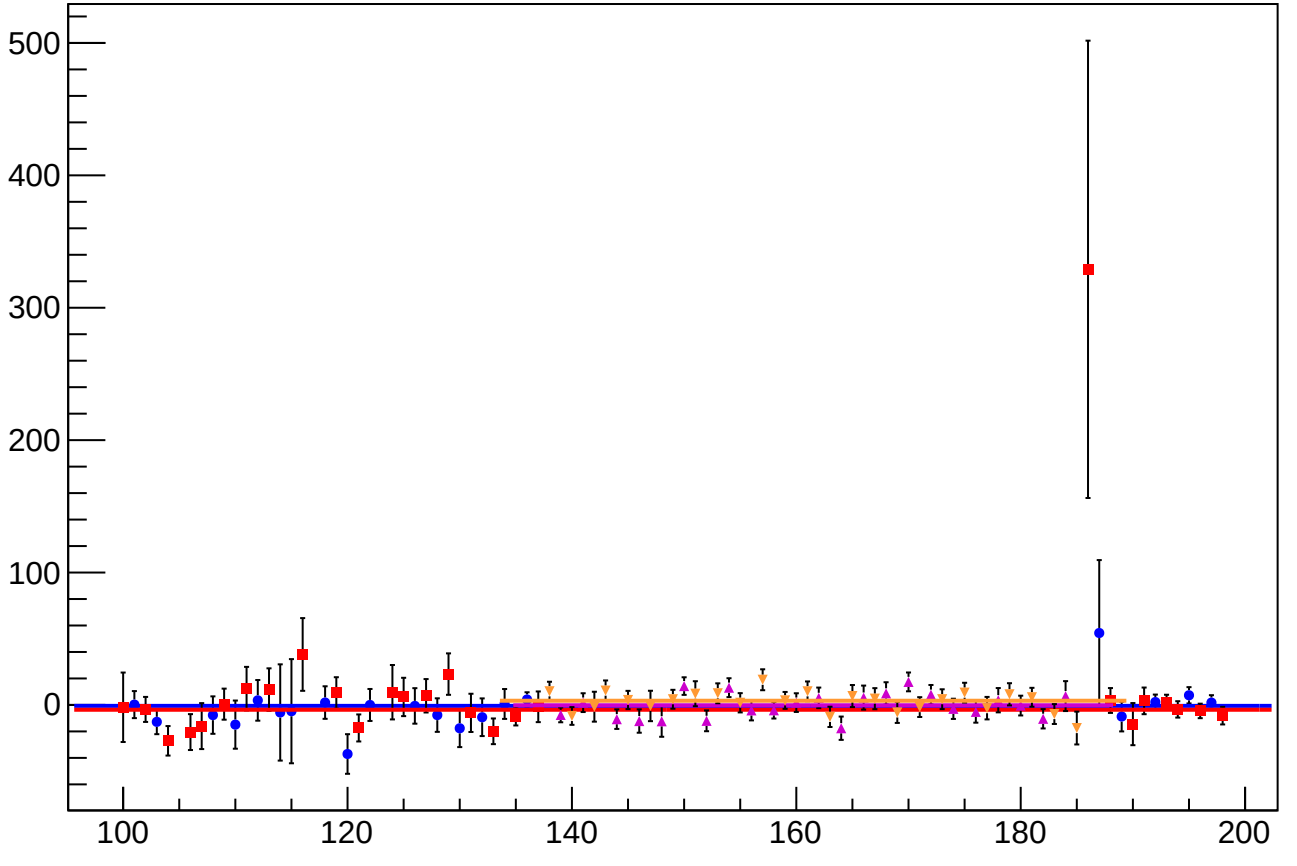
Right: 15737.451+/-2.438 χ^2/NDF: 4813722.2/47

In: 9702.501+/-1.341 χ^2/NDF:5206305.9/43

Out: 9802.753+/-1.301 χ^2/NDF:7299002.1/51

All: 9754.126+/-0.934 χ^2/NDF: 12508186.0/9

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -0.705+/-2.164 χ^2/NDF: 15.1/20

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: -3.645+/-1.959 χ^2/NDF: 28.2/26

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

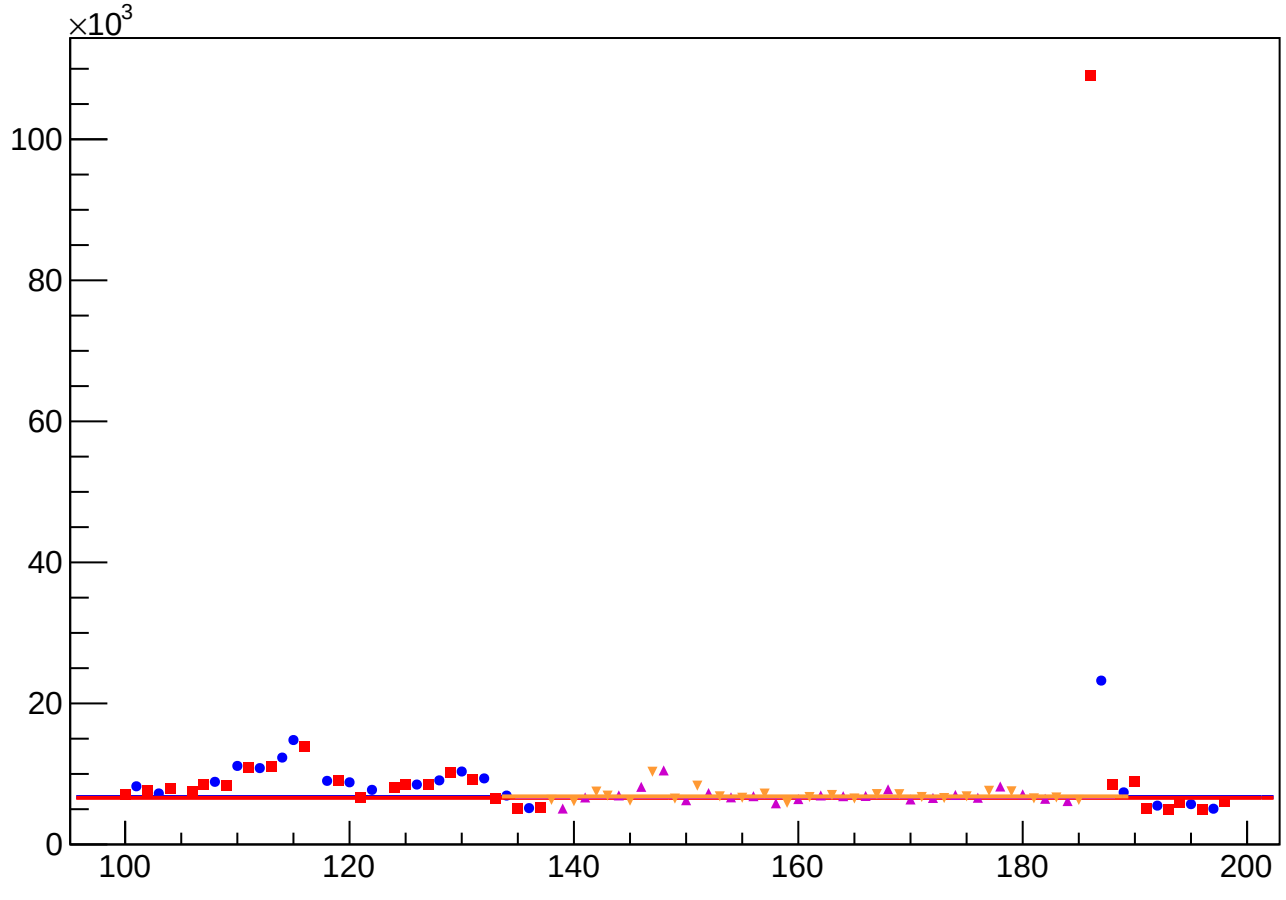
Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

Right: -2.320+/-1.452 χ^2/NDF: 44.3/47

In: -0.422+/-1.281 χ^2/NDF:49.4/43

Out: 0.523+/-1.221 χ^2/NDF:57.3/51

All: 0.073+/-0.884 χ^2/NDF: 106.9/95



Right In: 6728.465+/-1.530 χ^2/NDF: 1588480.0/20

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6610.789+/-1.386 χ^2/NDF: 2286063.4/26

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

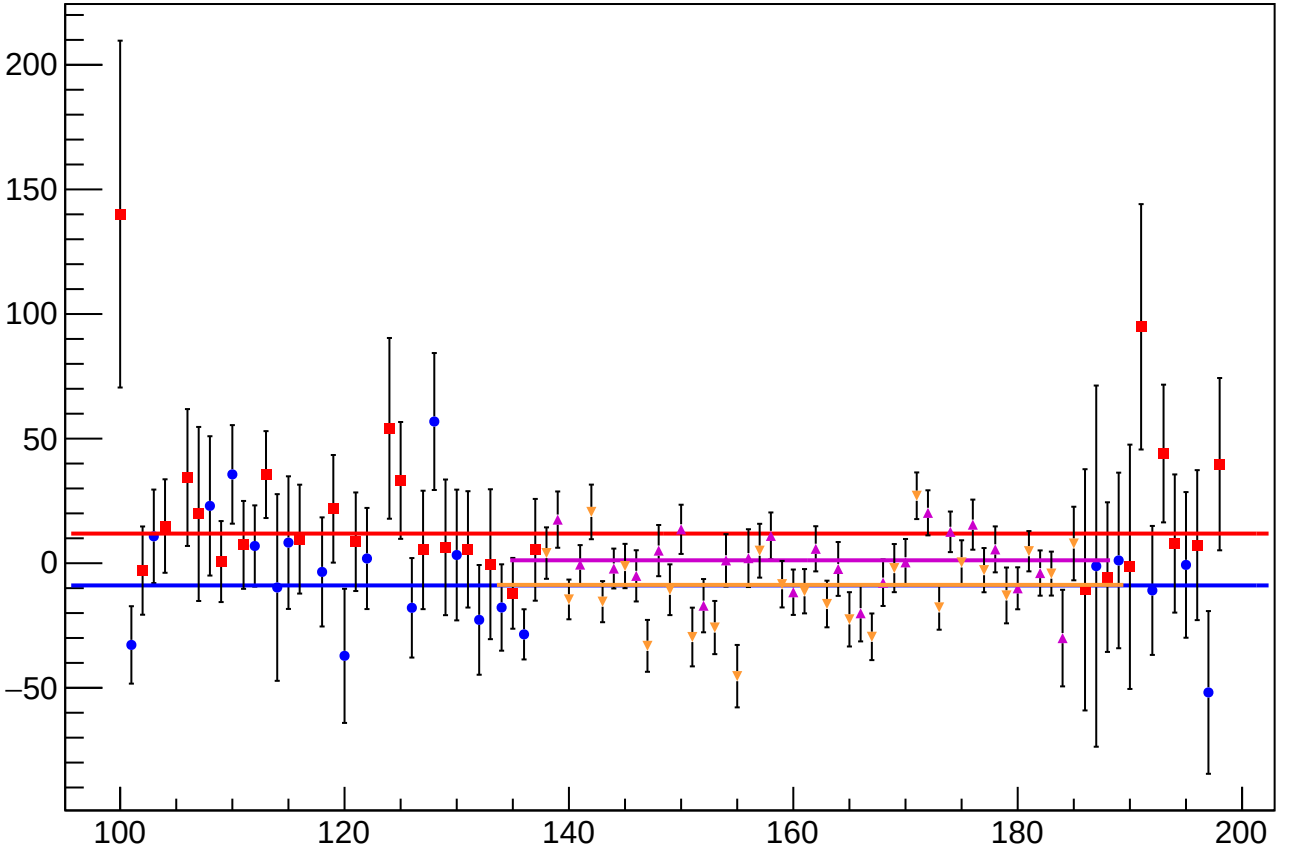
Right: 6663.817+/-1.027 χ^2/NDF: 3877793.8/47

In: 6728.075+/-0.906 χ^2/NDF:2198517.4/43

Out: 6734.419+/-0.864 χ^2/NDF:2693704.1/51

All: 6731.399+/-0.625 χ^2/NDF: 4892247.1/95

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.910+/-4.576 χ^2/NDF: 25.2/20

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: 11.894+/-4.546 χ^2/NDF: 18.5/26

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

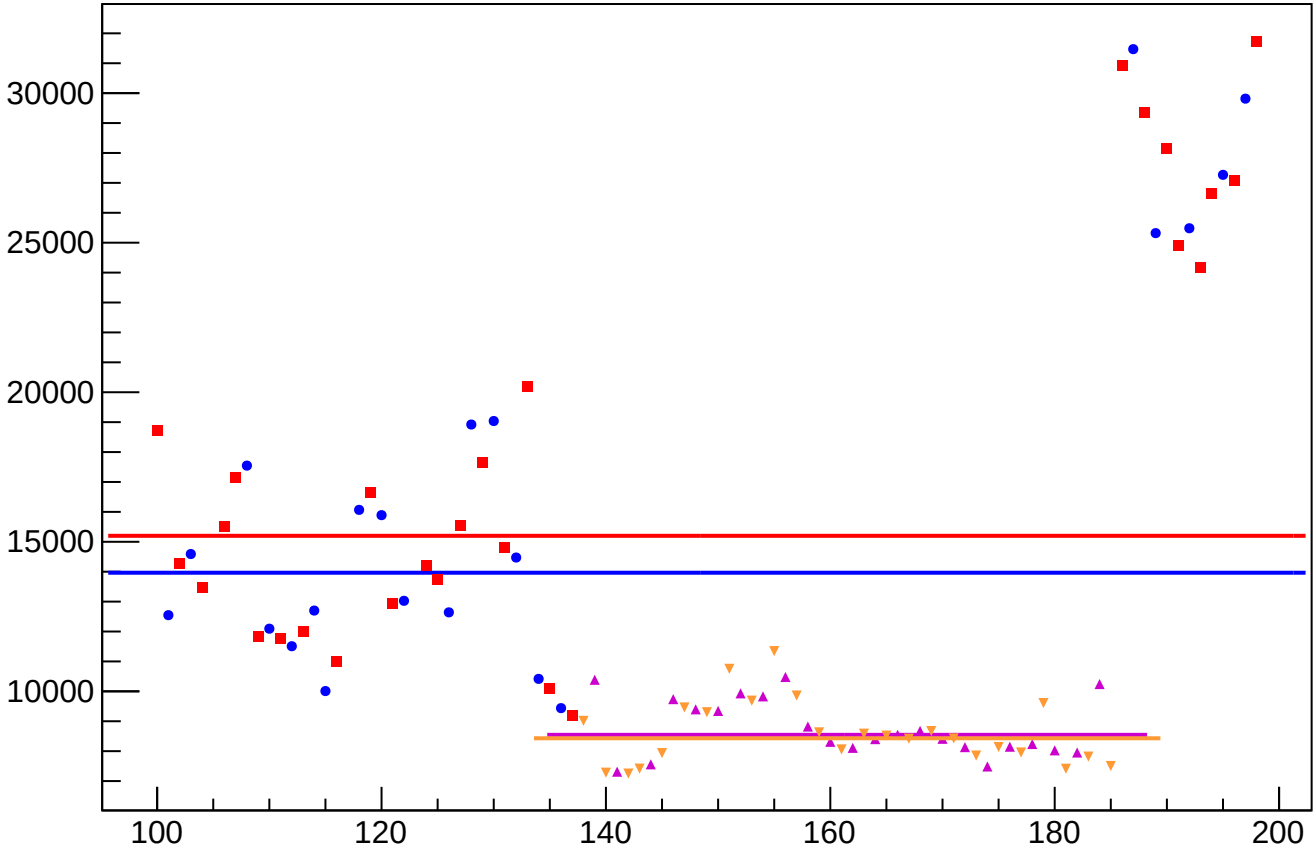
Right: 1.560+/-3.225 χ^2/NDF: 54.1/47

In: -0.460+/-1.842 χ^2/NDF:57.8/43

Out: -5.532+/-1.781 χ^2/NDF:97.3/51

All: -3.081+/-1.281 χ^2/NDF: 159.0/95

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 13965.689+/-3.236 χ^2/NDF: 2438767.0/20

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 15199.880+/-3.215 χ^2/NDF: 3077806.8/26

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8485.892+/-0.987 χ^2/NDF: 877783.2/47

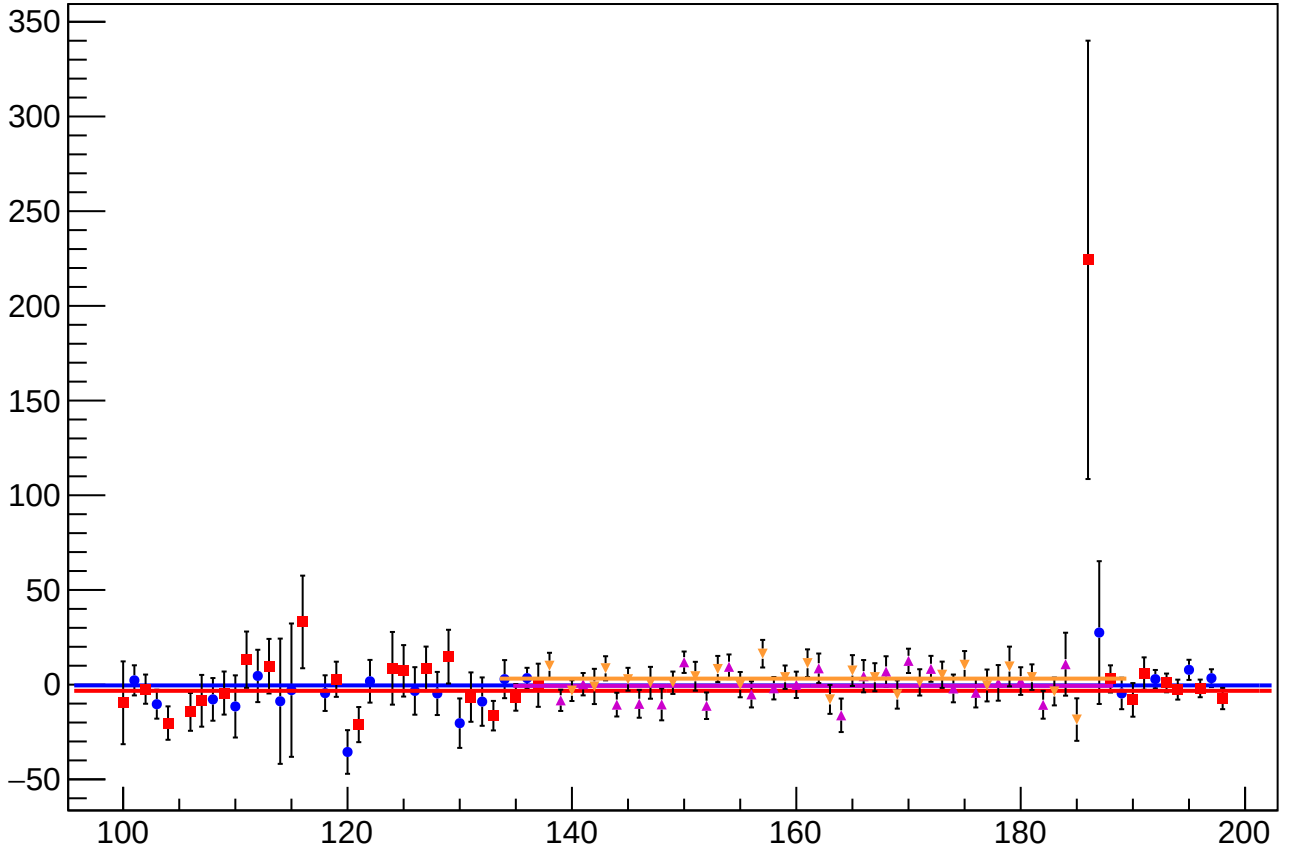
Right: 14586.815+/-2.281 χ^2/NDF: 5589787.9/47

In: 9423.851+/-1.303 χ^2/NDF:5179640.3/43

Out: 9469.904+/-1.260 χ^2/NDF:7315602.7/51

All: 9447.649+/-0.905 χ^2/NDF: 12495889.0/9

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -0.400+/-1.869 χ^2/NDF: 20.3/20

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: -3.255+/-1.666 χ^2/NDF: 27.8/26

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

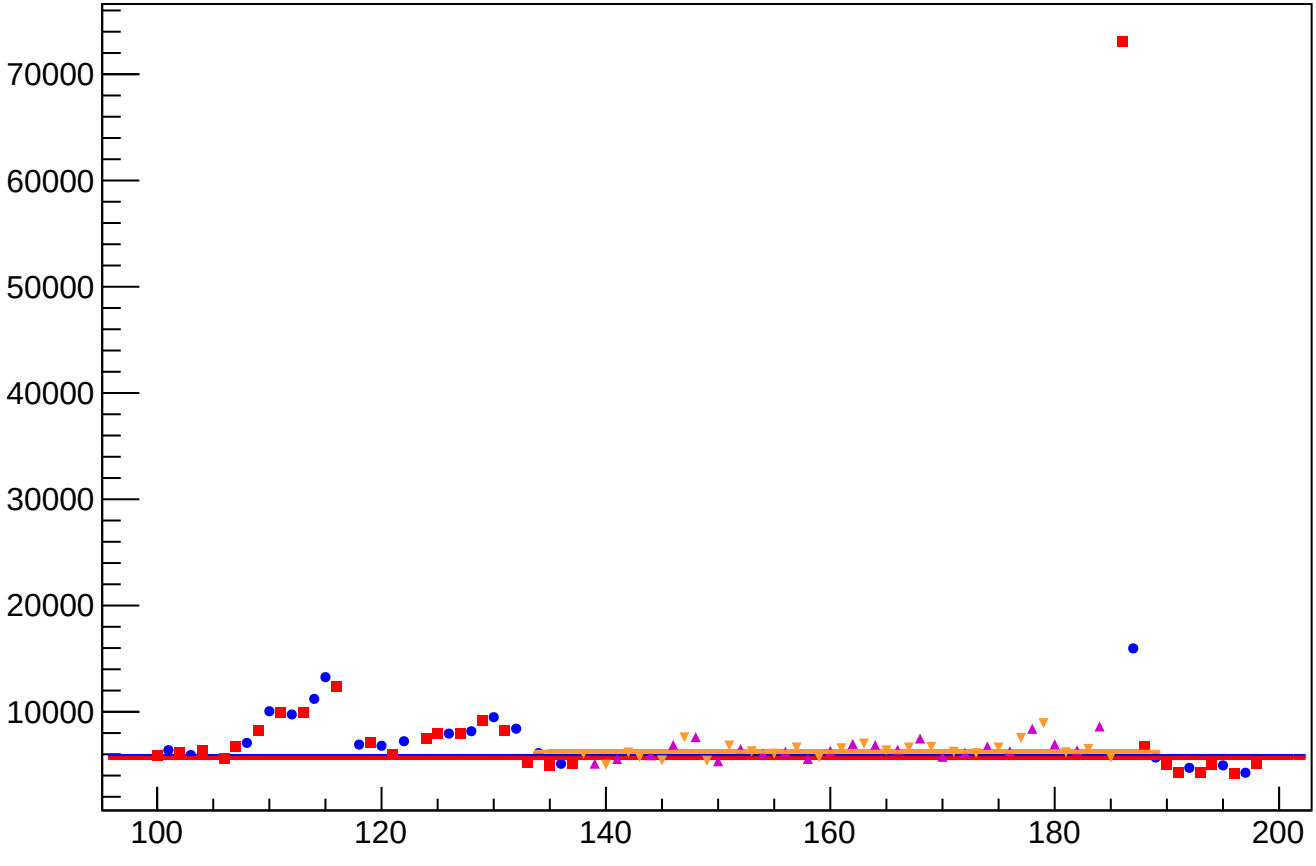
Right: -1.991+/-1.244 χ^2/NDF: 49.4/47

In: -0.543+/-1.161 χ^2/NDF:52.2/43

Out: 0.442+/-1.087 χ^2/NDF:55.0/51

All: -0.018+/-0.794 χ^2/NDF: 107.6/95

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 5838.059+/-1.322 χ^2/NDF: 1484141.3/20

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5646.005+/-1.178 χ^2/NDF: 2240409.4/26

Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

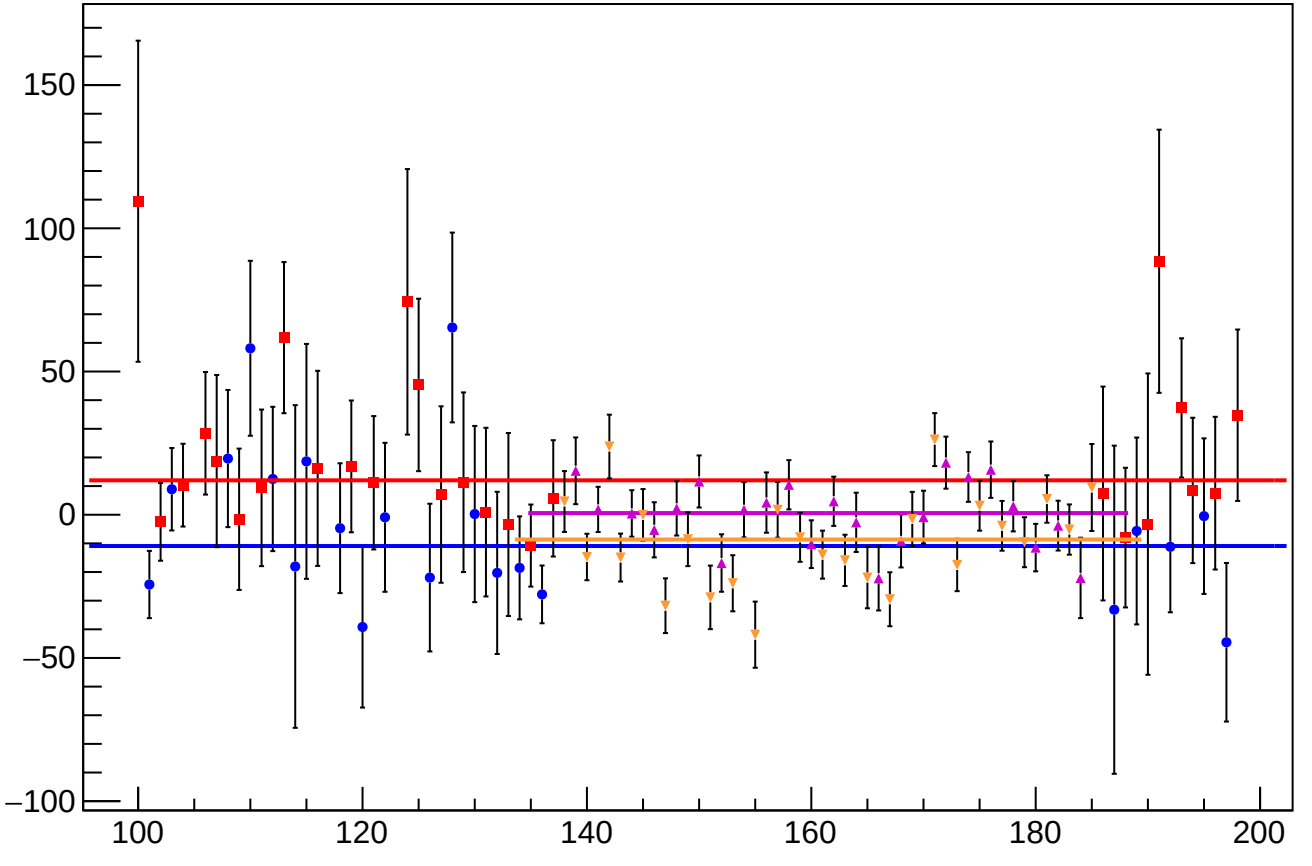
Right: 5731.018+/-0.879 χ^2/NDF: 3736318.1/47

In: 6102.251+/-0.821 χ^2/NDF:2073525.7/43

Out: 5985.829+/-0.769 χ^2/NDF:2893112.0/51

All: 6040.211+/-0.561 χ^2/NDF: 4977351.7/95

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.920+/-4.686 χ^2/NDF: 23.1/20

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: 12.018+/-4.718 χ^2/NDF: 20.1/26

Left In: 0.583+/-1.939 χ^2/NDF:28.5/22

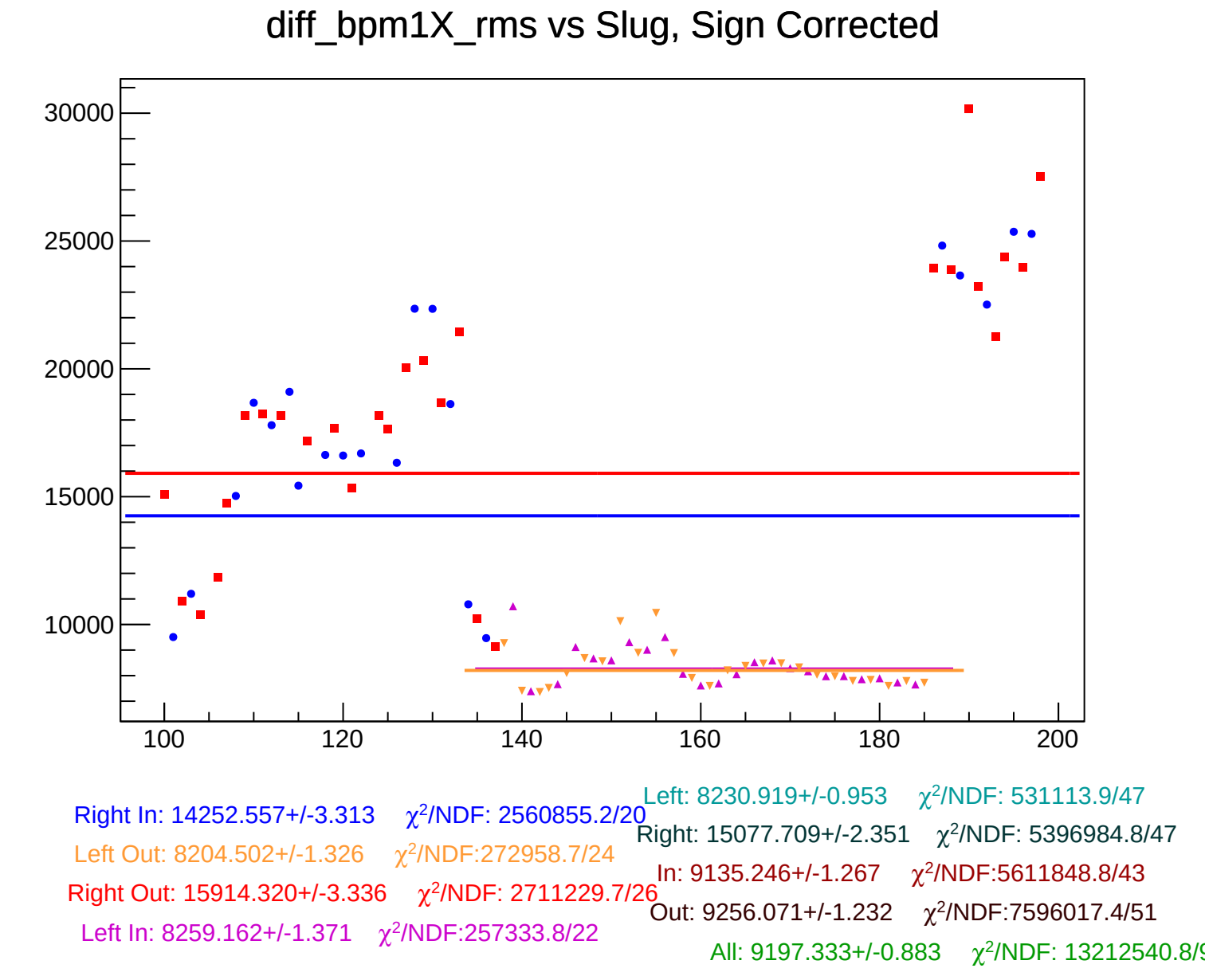
Left: -4.188+/-1.348 χ^2/NDF: 103.3/47

Right: 0.470+/-3.325 χ^2/NDF: 55.0/47

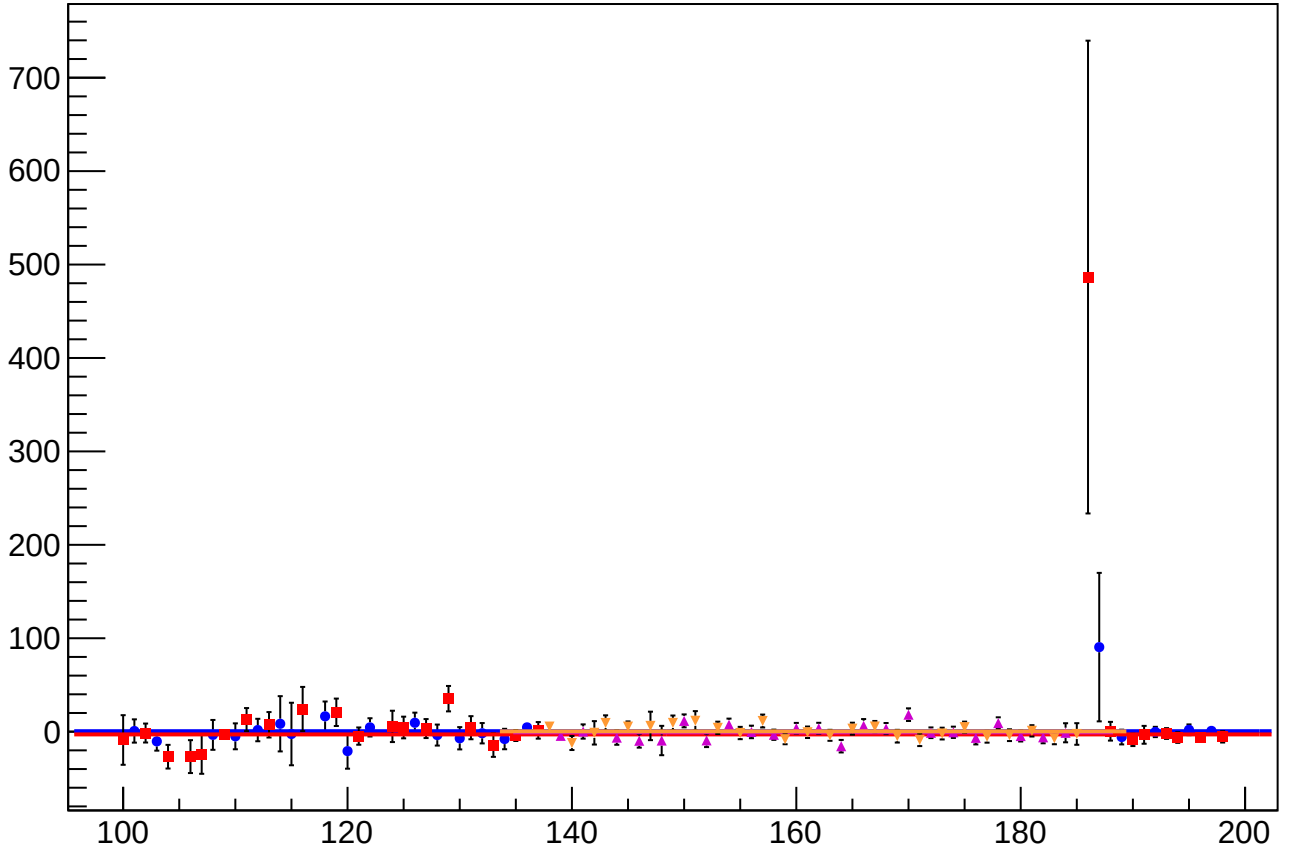
In: -1.098+/-1.792 χ^2/NDF:56.7/43

Out: -5.831+/-1.743 χ^2/NDF:99.7/51

All: -3.531+/-1.249 χ^2/NDF: 160.0/95


diff_bpm1X_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14252.557+/-3.313 χ²/NDF: 2560855.2/20
Left Out: 8204.502+/-1.326 χ²/NDF:272958.7/24
Right Out: 15914.320+/-3.336 χ²/NDF: 2711229.7/26
Left In: 8259.162+/-1.371 χ²/NDF:257333.8/22
Left: 8230.919+/-0.953 χ²/NDF: 531113.9/47
Right: 15077.709+/-2.351 χ²/NDF: 5396984.8/47
In: 9135.246+/-1.267 χ²/NDF:5611848.8/43
Out: 9256.071+/-1.232 χ²/NDF:7596017.4/51
All: 9197.333+/-0.883 χ²/NDF: 13212540.8/9

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.511+/-1.941 χ^2/NDF: 8.8/20

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: -2.932+/-1.678 χ^2/NDF: 28.6/26

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

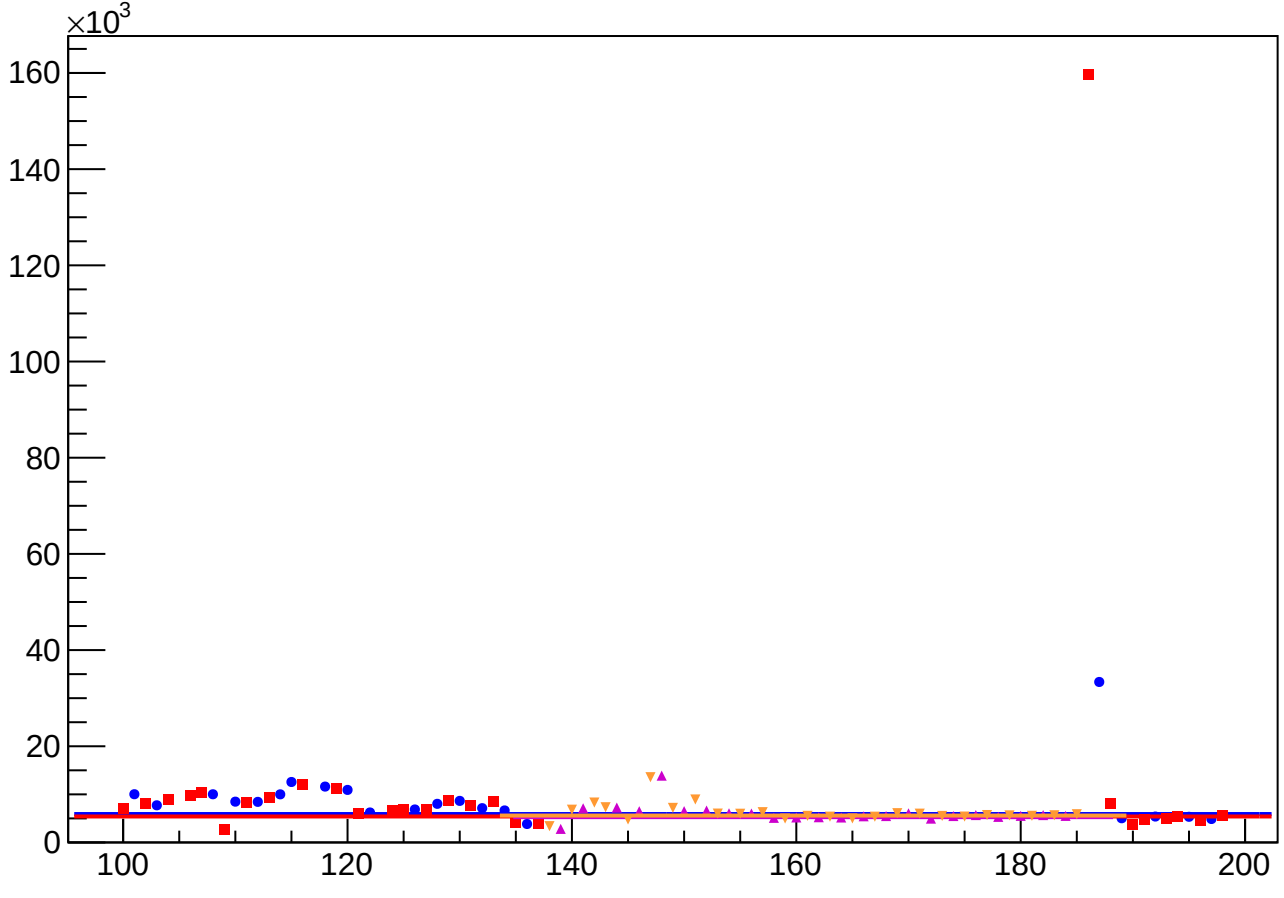
Right: -1.460+/-1.269 χ^2/NDF: 39.2/47

In: -0.335+/-1.075 χ^2/NDF:39.0/43

Out: -0.905+/-1.038 χ^2/NDF:52.5/51

All: -0.630+/-0.747 χ^2/NDF: 91.6/95

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 5910.183+/-1.372 χ^2/NDF: 2208535.0/20

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5402.189+/-1.186 χ^2/NDF: 3670021.9/26

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

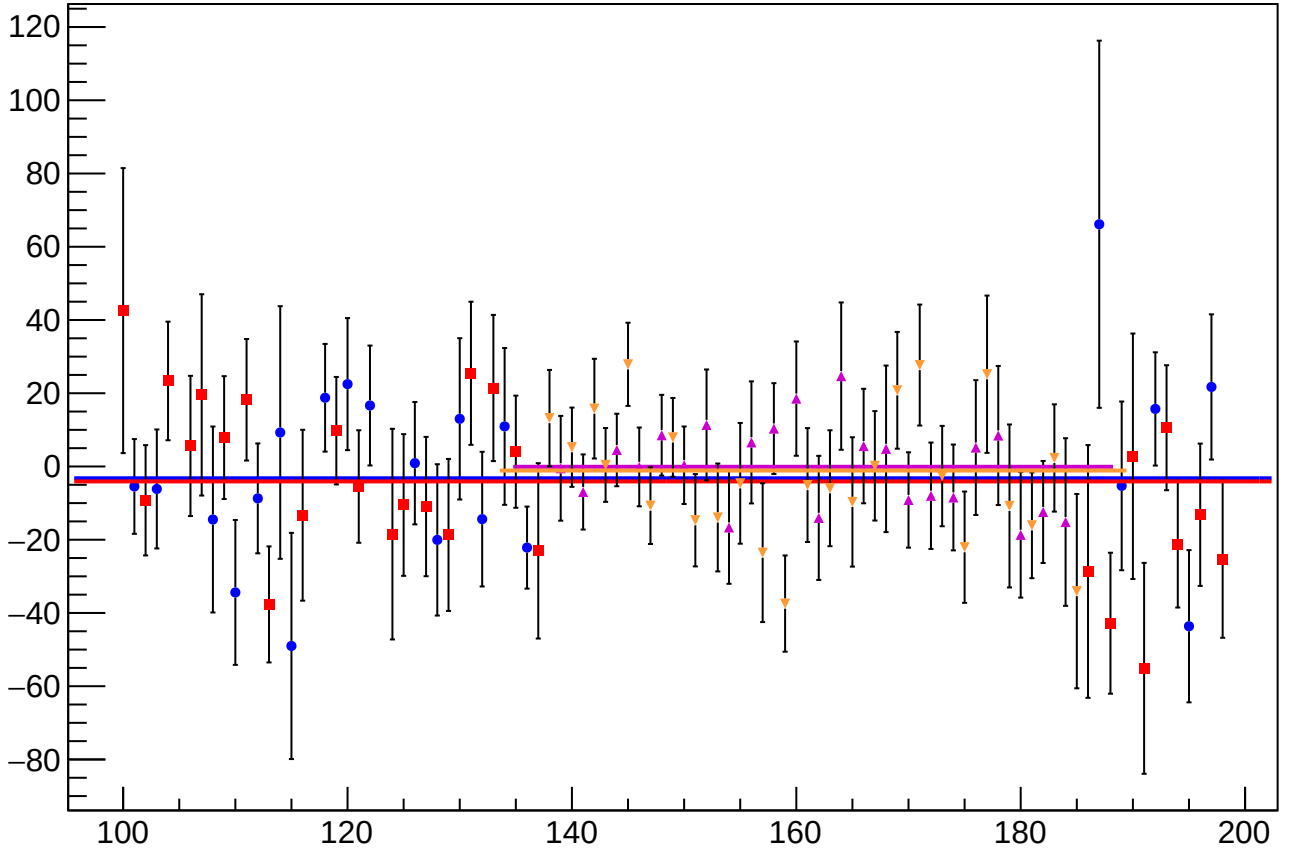
Right: 5619.444+/-0.897 χ^2/NDF: 5956974.6/47

In: 5461.386+/-0.760 χ^2/NDF:4788413.8/43

Out: 5520.862+/-0.734 χ^2/NDF:5470497.2/51

All: 5492.160+/-0.528 χ^2/NDF: 10262078.6/9

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -3.221+/-3.951 χ^2/NDF: 24.7/20

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: -4.078+/-3.723 χ^2/NDF: 29.7/26

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

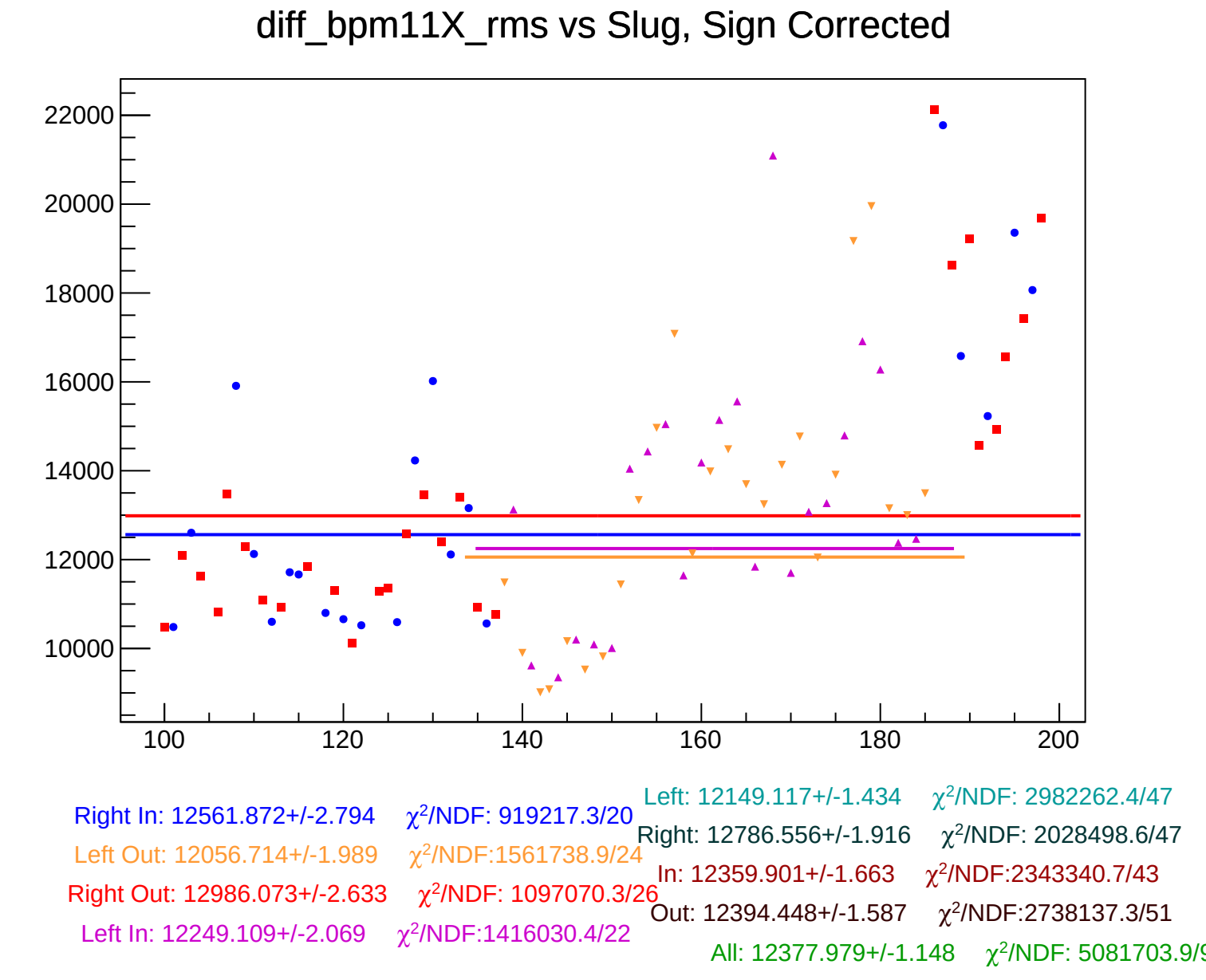
Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

Right: -3.675+/-2.710 χ^2/NDF: 54.4/47

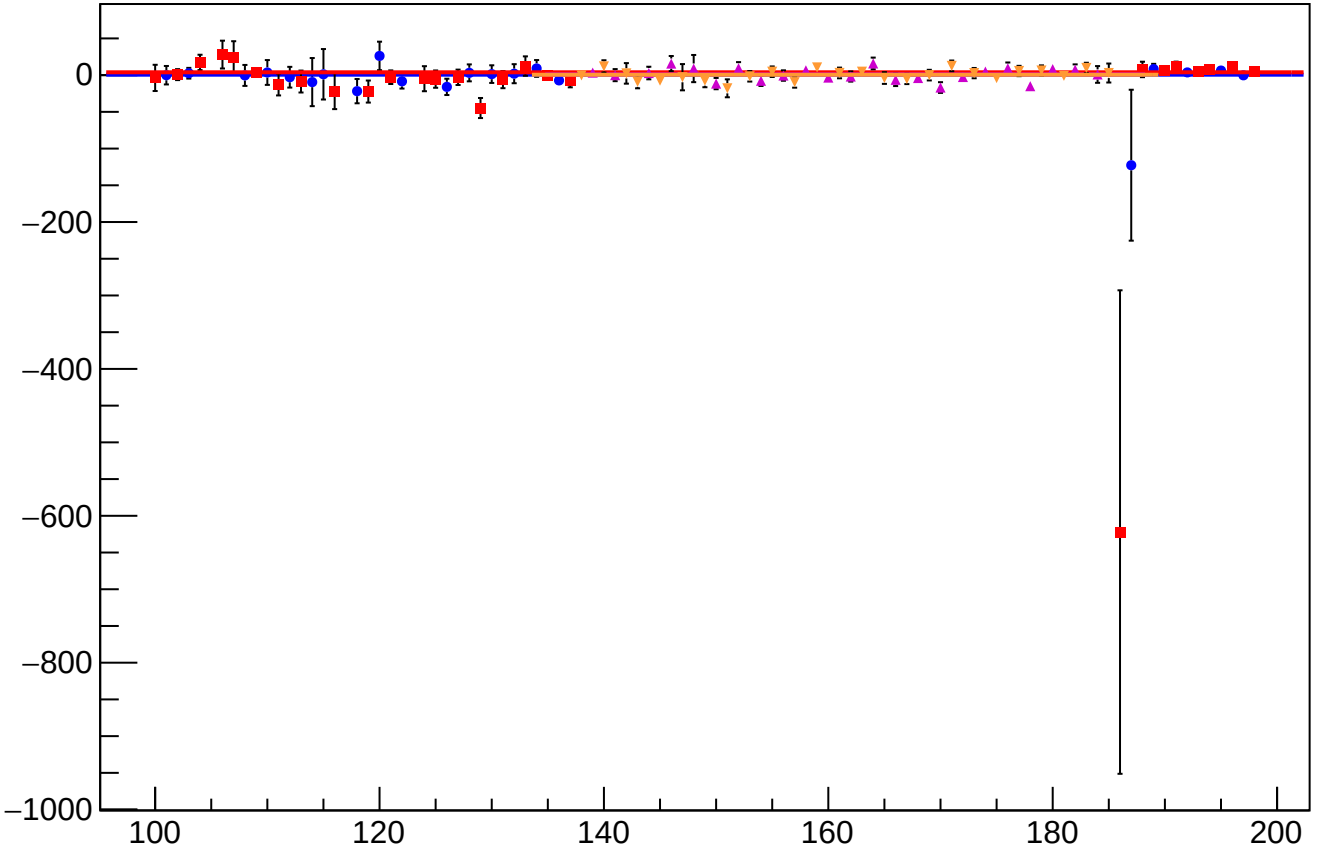
In: -1.196+/-2.352 χ^2/NDF:36.5/43

Out: -2.189+/-2.244 χ^2/NDF:63.9/51

All: -1.716+/-1.624 χ^2/NDF: 100.5/95


diff_bpm11X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
100
120
140
160
180
200
Right In: 12561.872+/-2.794 χ²/NDF: 919217.3/20
Left Out: 12056.714+/-1.989 χ²/NDF:1561738.9/24
Right Out: 12986.073+/-2.633 χ²/NDF: 1097070.3/26
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
Left: 12149.117+/-1.434 χ²/NDF: 2982262.4/47
Right: 12786.556+/-1.916 χ²/NDF: 2028498.6/47
In: 12359.901+/-1.663 χ²/NDF:2343340.7/43
Out: 12394.448+/-1.587 χ²/NDF:2738137.3/51
All: 12377.979+/-1.148 χ²/NDF: 5081703.9/9

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.621+/-1.816 χ^2/NDF: 15.0/20

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: 3.866+/-1.564 χ^2/NDF: 36.3/26

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

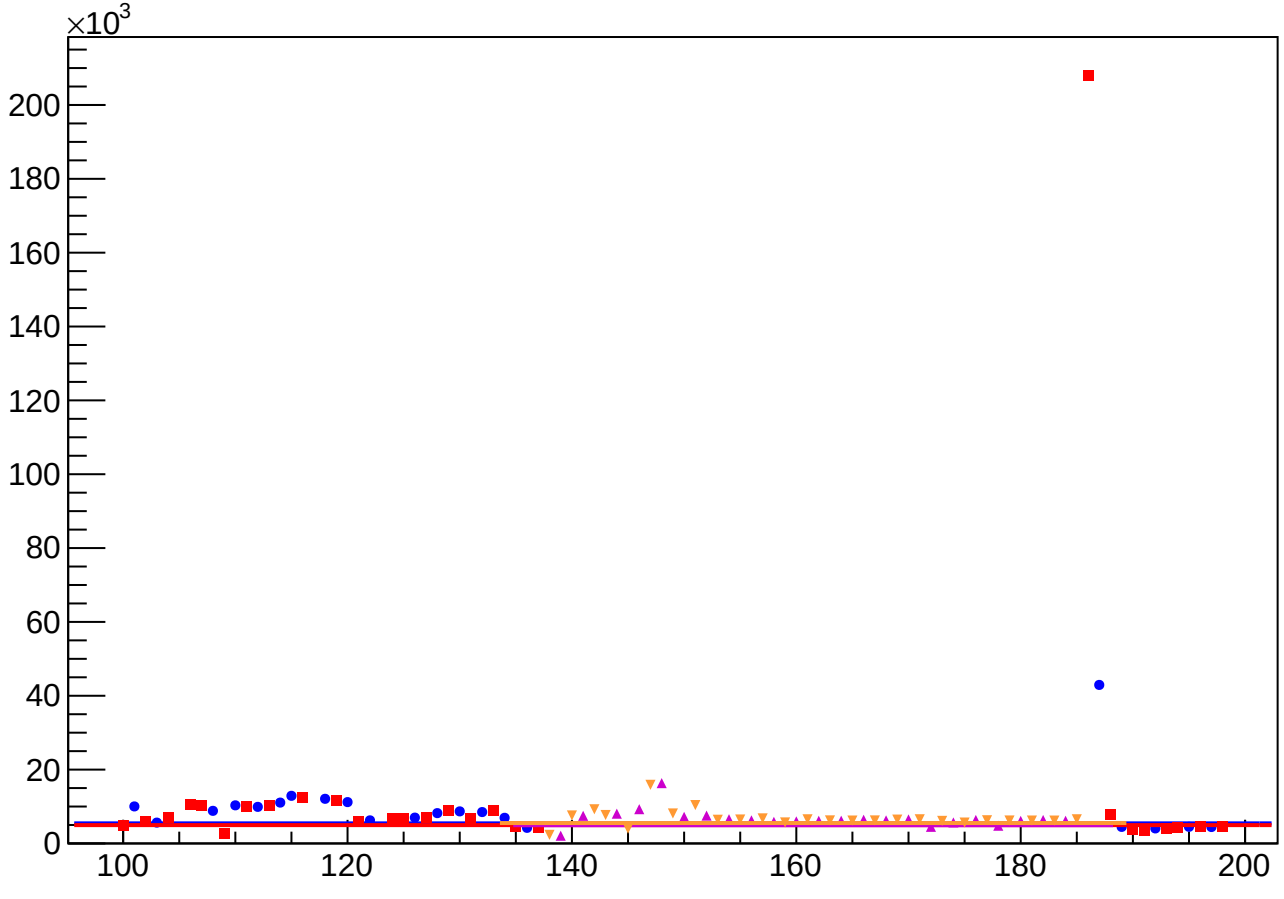
Right: 2.484+/-1.185 χ^2/NDF: 53.1/47

In: 0.837+/-1.054 χ^2/NDF:47.2/43

Out: 1.974+/-1.030 χ^2/NDF:60.3/51

All: 1.418+/-0.737 χ^2/NDF: 108.1/95

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 5442.479+/-1.284 χ^2/NDF: 2681712.8/20

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

Right Out: 4966.902+/-1.106 χ^2/NDF: 3687422.6/26

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

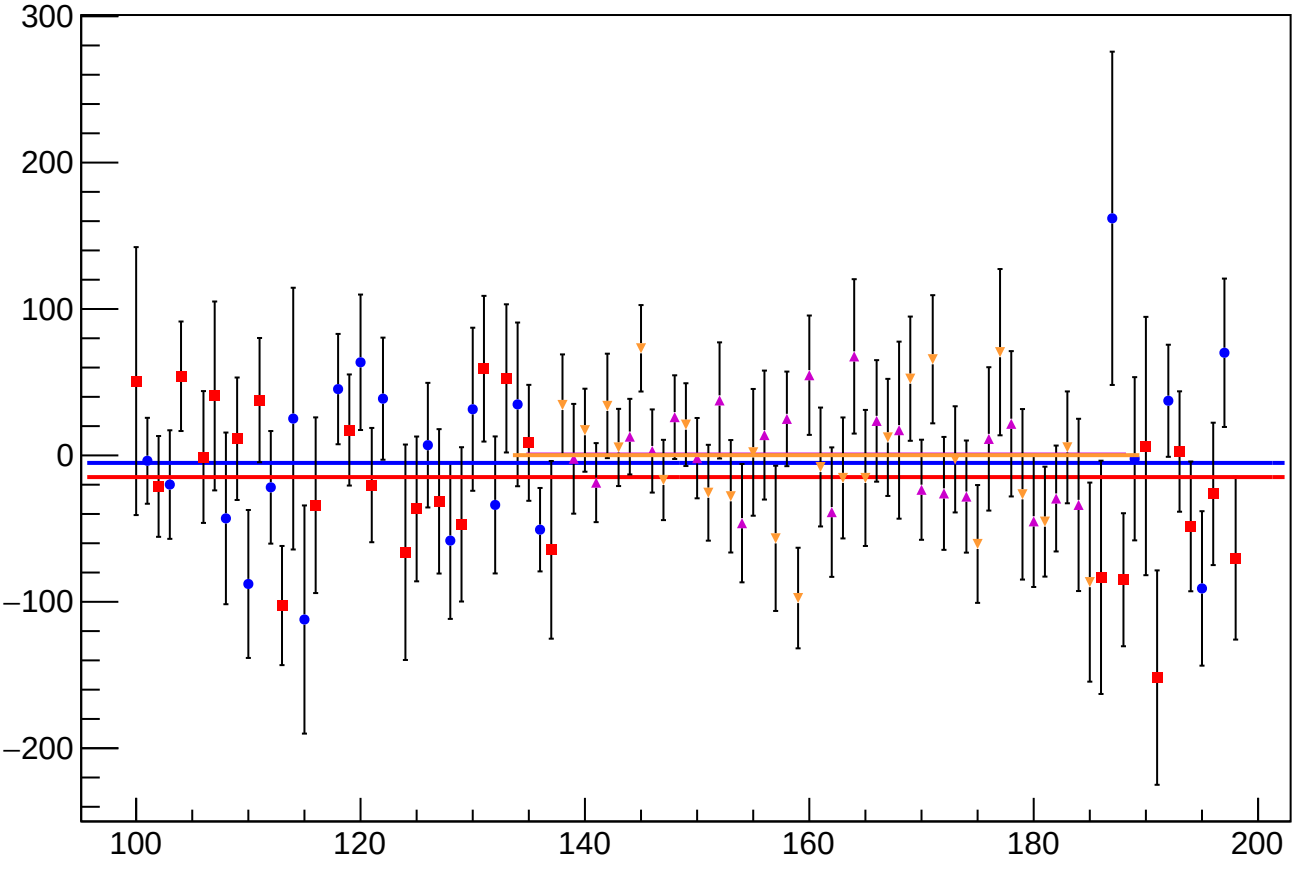
Right: 5169.409+/-0.838 χ^2/NDF: 6447856.2/47

In: 5110.533+/-0.745 χ^2/NDF:8718526.7/43

Out: 5284.671+/-0.728 χ^2/NDF:8208876.9/51

All: 5199.609+/-0.521 χ^2/NDF: 16955324.8/9

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -5.125+/-9.831 χ^2/NDF: 23.7/20

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -14.809+/-9.267 χ^2/NDF: 26.8/26

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

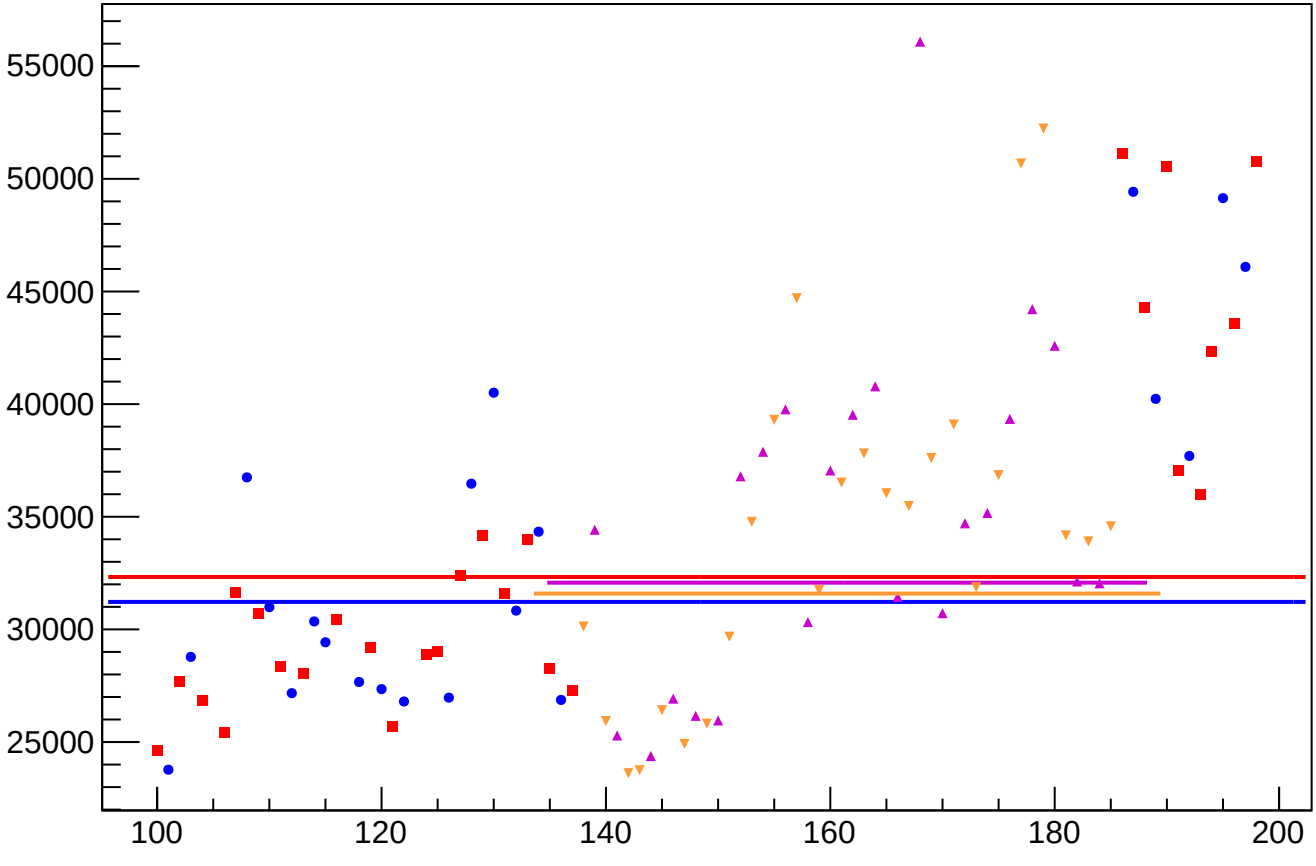
Right: -10.253+/-6.744 χ^2/NDF: 51.1/47

In: -1.574+/-6.046 χ^2/NDF:36.7/43

Out: -5.639+/-5.771 χ^2/NDF:59.6/51

All: -3.701+/-4.174 χ^2/NDF: 96.5/95

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 31220.136+/-6.952 χ^2/NDF: 944676.9/20

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 32325.698+/-6.553 χ^2/NDF: 1097003.6/26

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

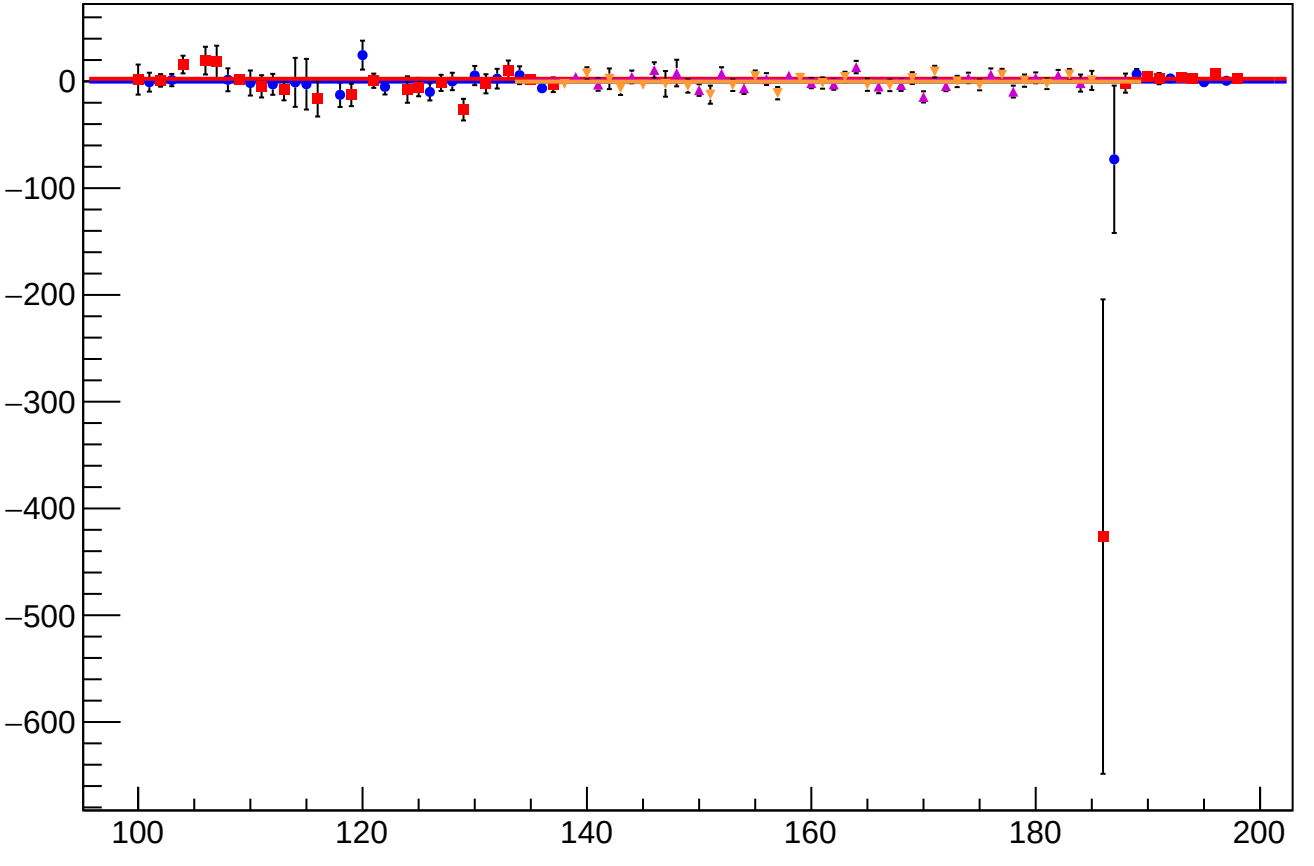
Right: 31805.542+/-4.768 χ^2/NDF: 2055072.6/47

In: 31751.761+/-4.275 χ^2/NDF:2409796.4/43

Out: 31875.160+/-4.080 χ^2/NDF:2695592.0/51

All: 31816.334+/-2.952 χ^2/NDF: 5105824.4/9

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -0.203+/-1.263 χ^2/NDF: 15.6/20

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: 2.437+/-1.129 χ^2/NDF: 28.8/26

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

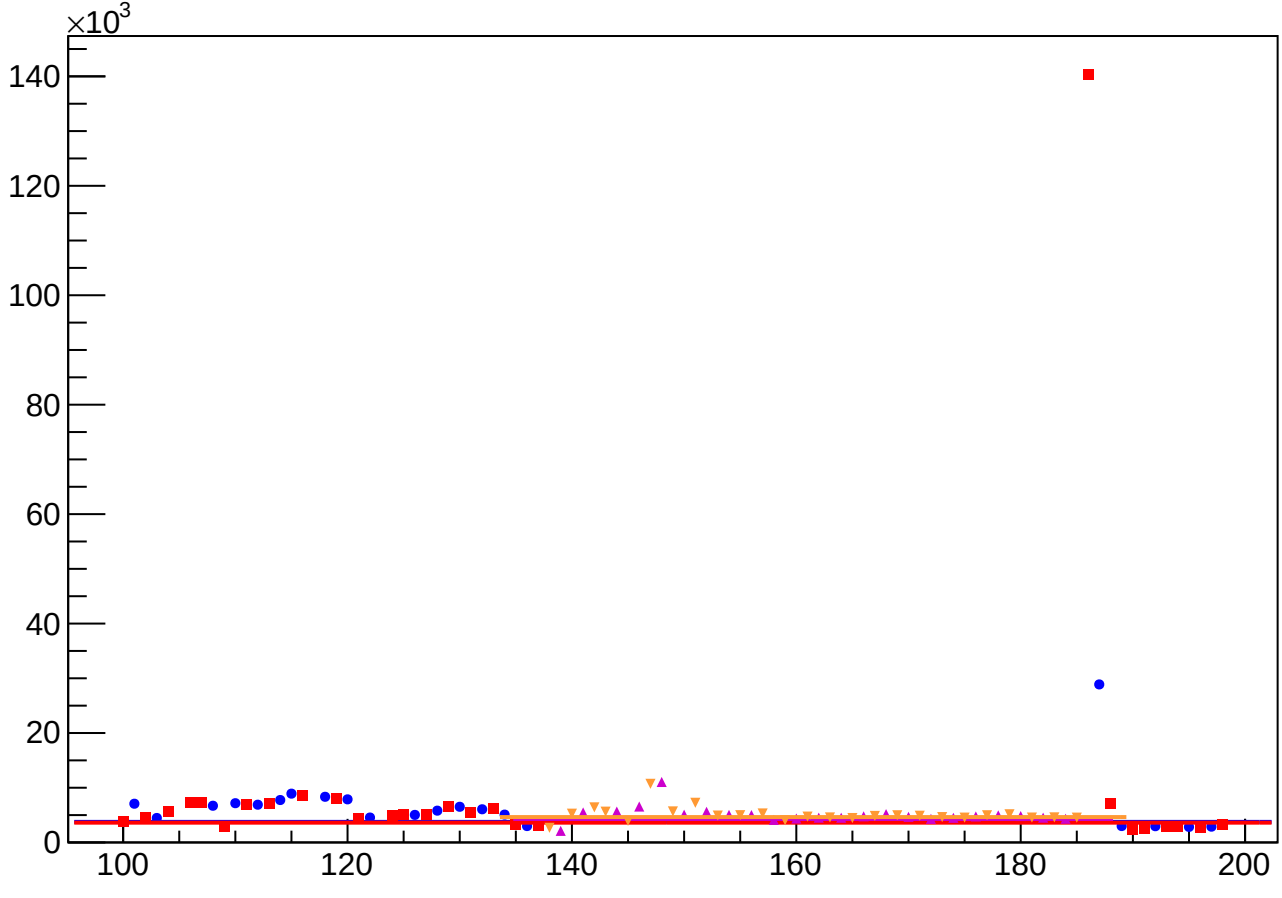
Right: 1.265+/-0.842 χ^2/NDF: 46.9/47

In: 0.379+/-0.812 χ^2/NDF:49.8/43

Out: 1.064+/-0.785 χ^2/NDF:51.5/51

All: 0.733+/-0.565 χ^2/NDF: 101.7/95

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 3758.302+/-0.893 χ^2/NDF: 2955583.1/20

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 3618.016+/-0.798 χ^2/NDF: 3721654.4/26

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

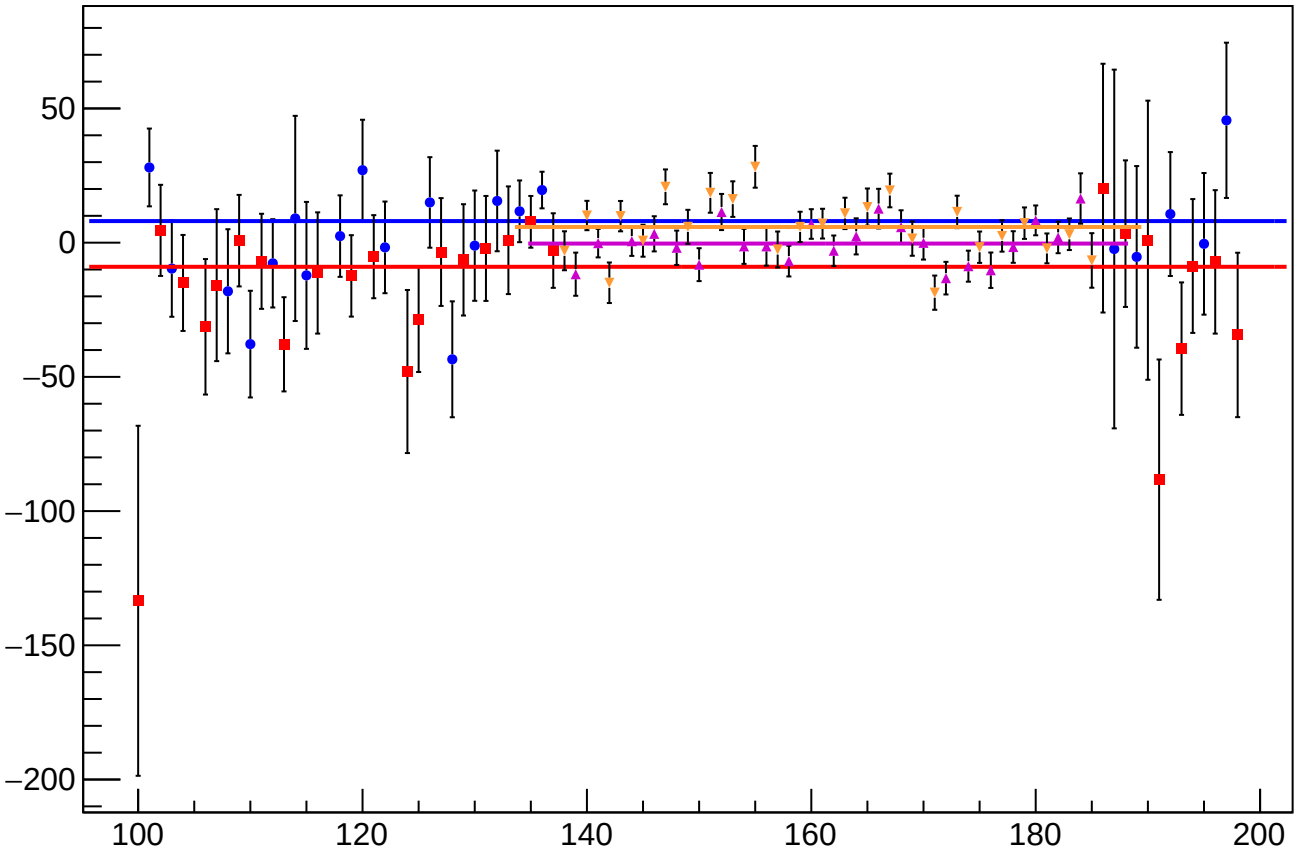
Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

Right: 3680.289+/-0.595 χ^2/NDF: 6690955.4/47

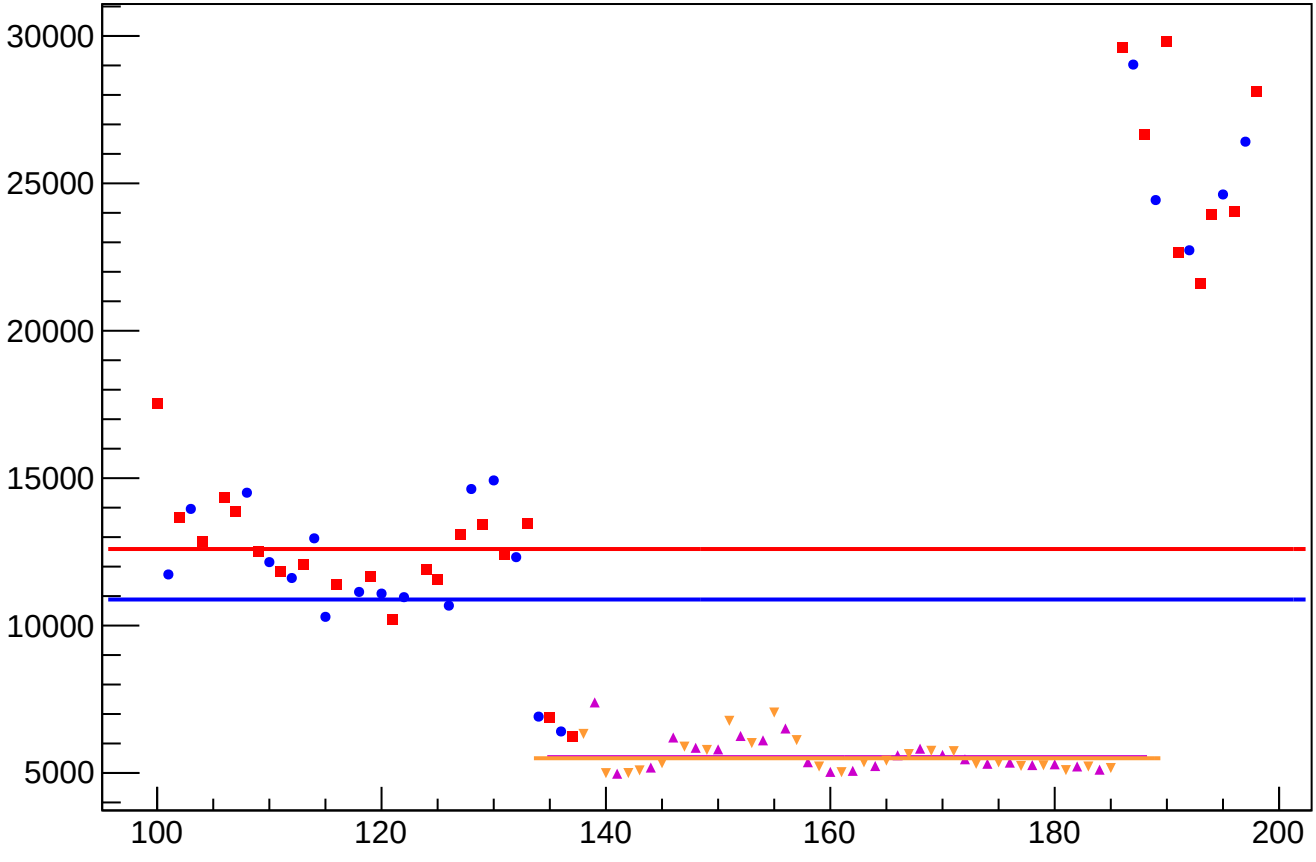
In: 4073.121+/-0.574 χ^2/NDF:6263008.0/43

Out: 4143.593+/-0.555 χ^2/NDF:6326049.8/51

All: 4109.538+/-0.399 χ^2/NDF: 12596837.4/9


diff_bpm16X_mean vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
120
140
160
180
200
Right In: 8.043+/-3.673 χ²/NDF: 23.6/20
Left Out: 5.849+/-1.257 χ²/NDF:60.0/24
Right Out: -8.991+/-3.837 χ²/NDF: 20.7/26
Left In: -0.337+/-1.301 χ²/NDF:29.4/22
Left: 2.861+/-0.904 χ²/NDF: 101.1/47
Right: -0.100+/-2.653 χ²/NDF: 54.6/47
In: 0.597+/-1.226 χ²/NDF:57.6/43
Out: 4.410+/-1.195 χ²/NDF:94.2/51
All: 2.553+/-0.856 χ²/NDF: 156.8/95

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10883.980+/-2.597 χ^2/NDF: 3498122.5/20

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 12596.611+/-2.714 χ^2/NDF: 3916352.9/26

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

Left: 5517.842+/-0.639 χ^2/NDF: 602690.2/47

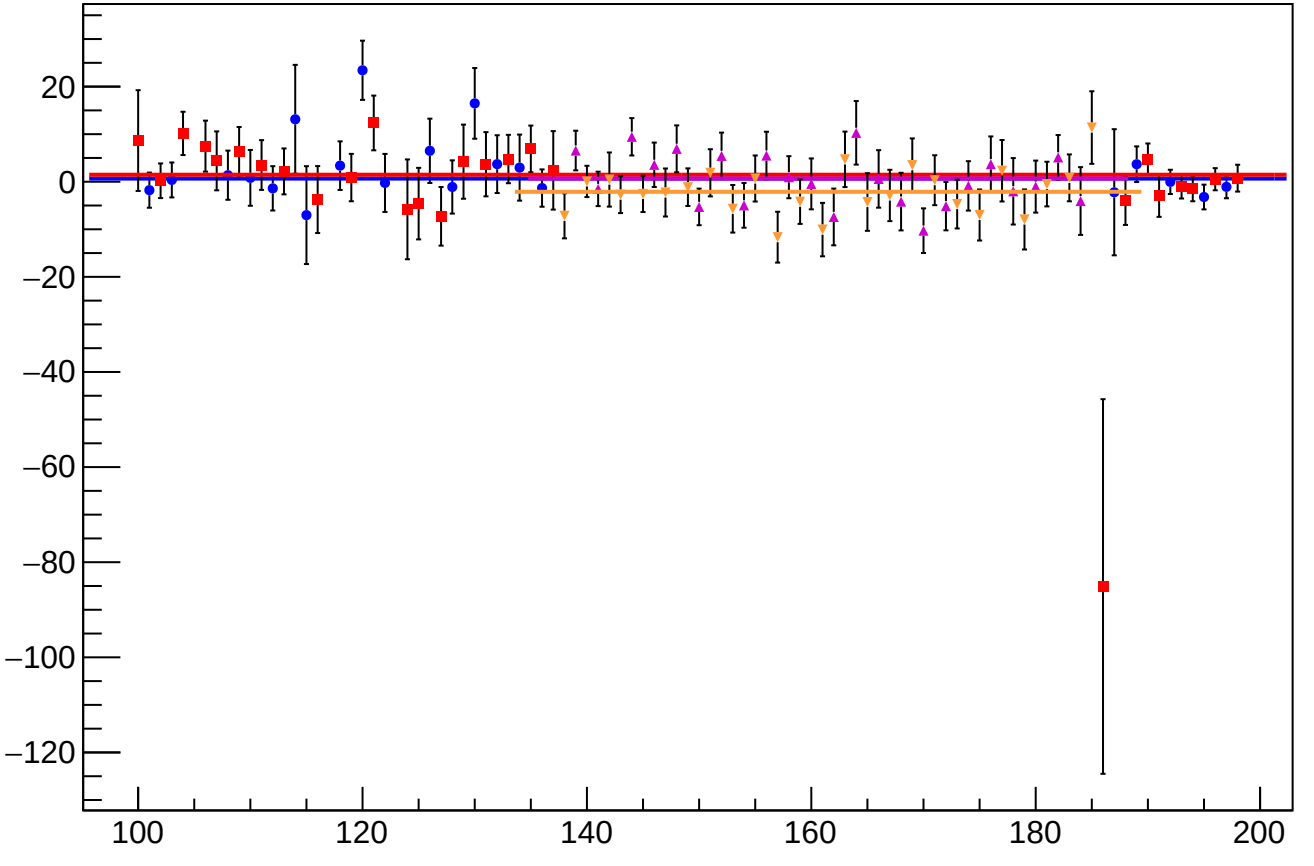
Right: 11702.695+/-1.876 χ^2/NDF: 7622396.1/47

In: 6133.711+/-0.867 χ^2/NDF:7568044.9/43

Out: 6187.337+/-0.845 χ^2/NDF:10392028.7/51

All: 6161.216+/-0.605 χ^2/NDF: 17962035.8/9

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 0.663+/-0.951 χ^2/NDF: 25.6/20

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: 1.475+/-0.854 χ^2/NDF: 26.3/26

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

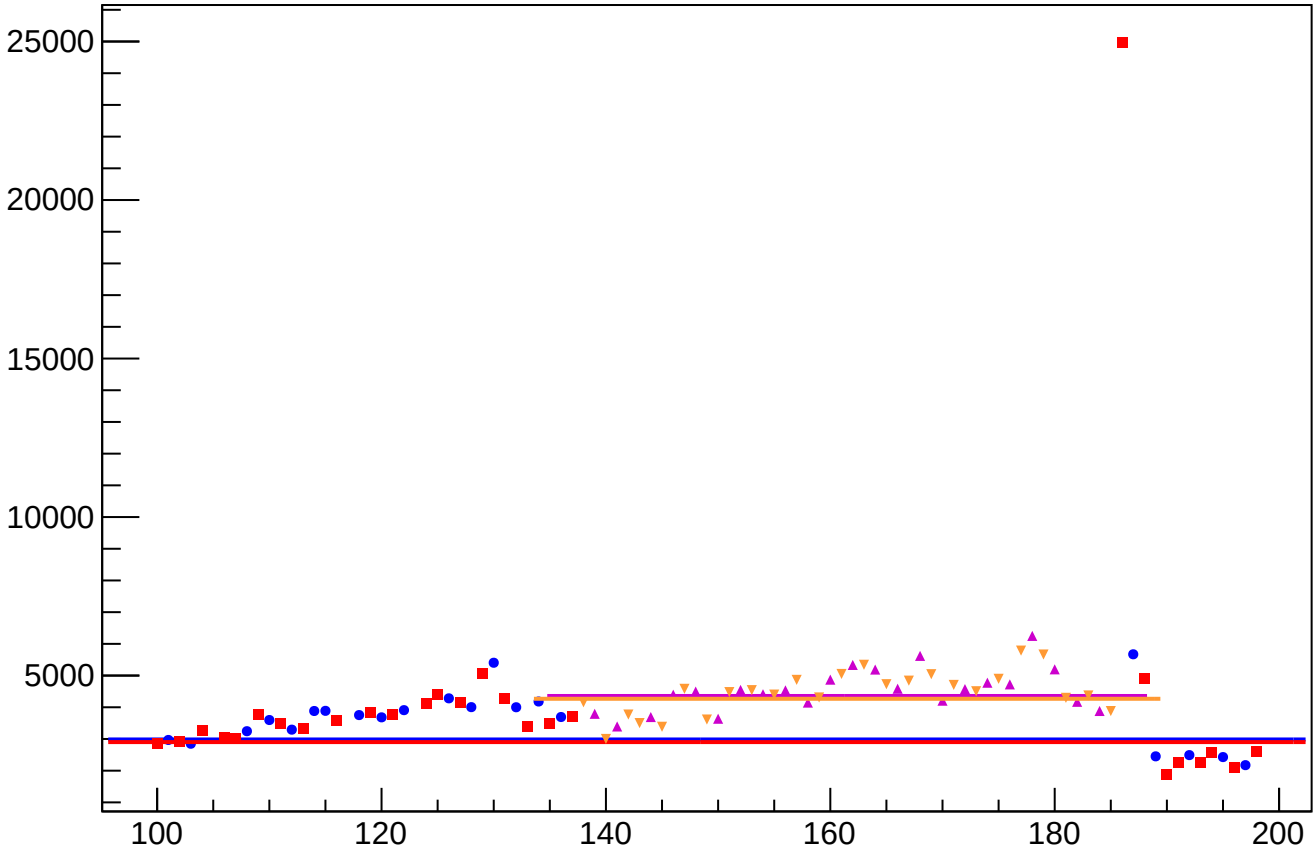
Right: 1.113+/-0.635 χ^2/NDF: 52.3/47

In: 0.666+/-0.699 χ^2/NDF:53.9/43

Out: -0.061+/-0.646 χ^2/NDF:51.3/51

All: 0.274+/-0.474 χ^2/NDF: 105.8/95

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 2984.378+/-0.673 χ^2/NDF: 1231897.8/20

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2901.839+/-0.604 χ^2/NDF: 2357181.0/26

Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

Left: 4309.839+/-0.504 χ^2/NDF: 1785408.9/47

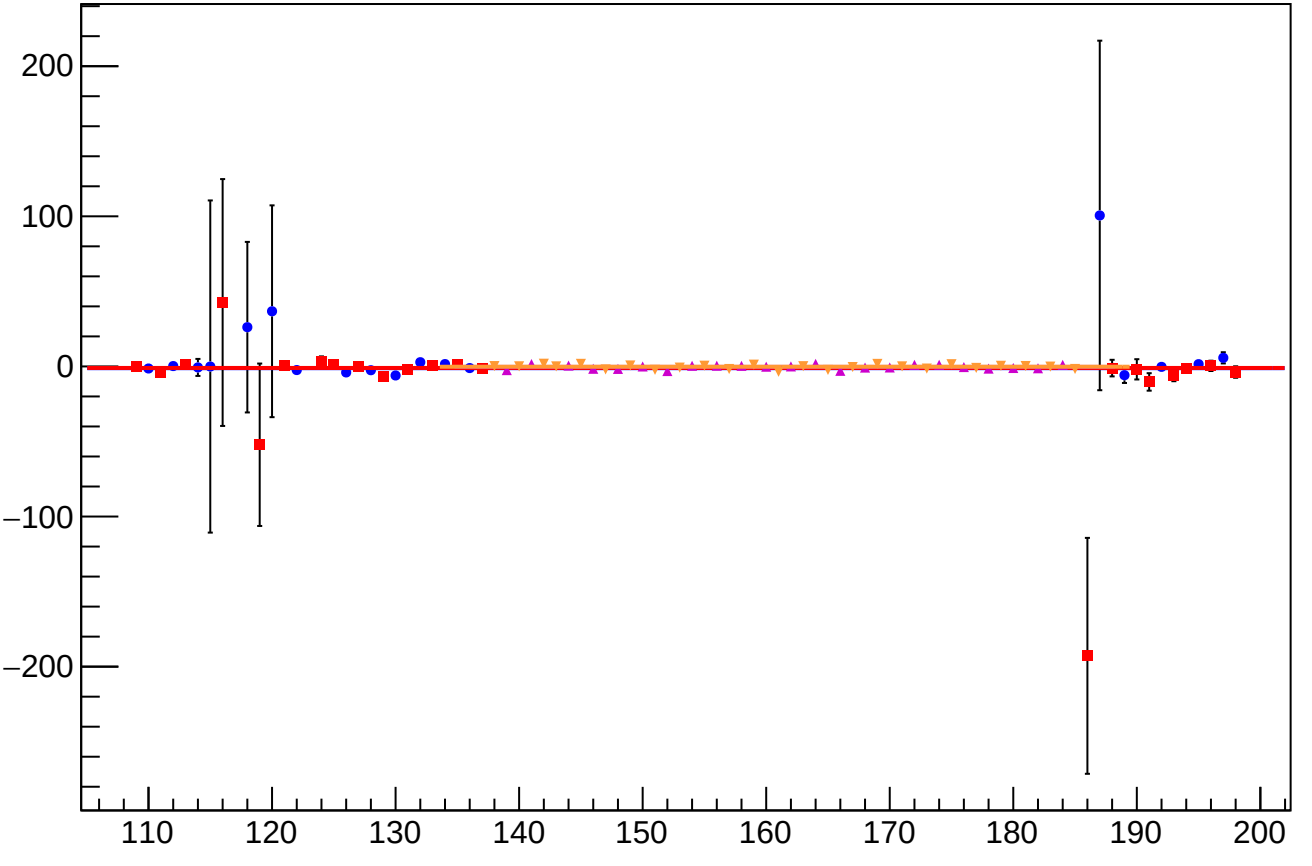
Right: 2938.653+/-0.449 χ^2/NDF: 3597418.3/47

In: 3615.202+/-0.494 χ^2/NDF:3886672.8/43

Out: 3486.100+/-0.457 χ^2/NDF:5582063.0/51

All: 3545.533+/-0.335 χ^2/NDF: 9505538.5/95

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.165+/-0.678 χ^2/NDF: 17.1/17

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: -1.018+/-0.651 χ^2/NDF: 24.5/21

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

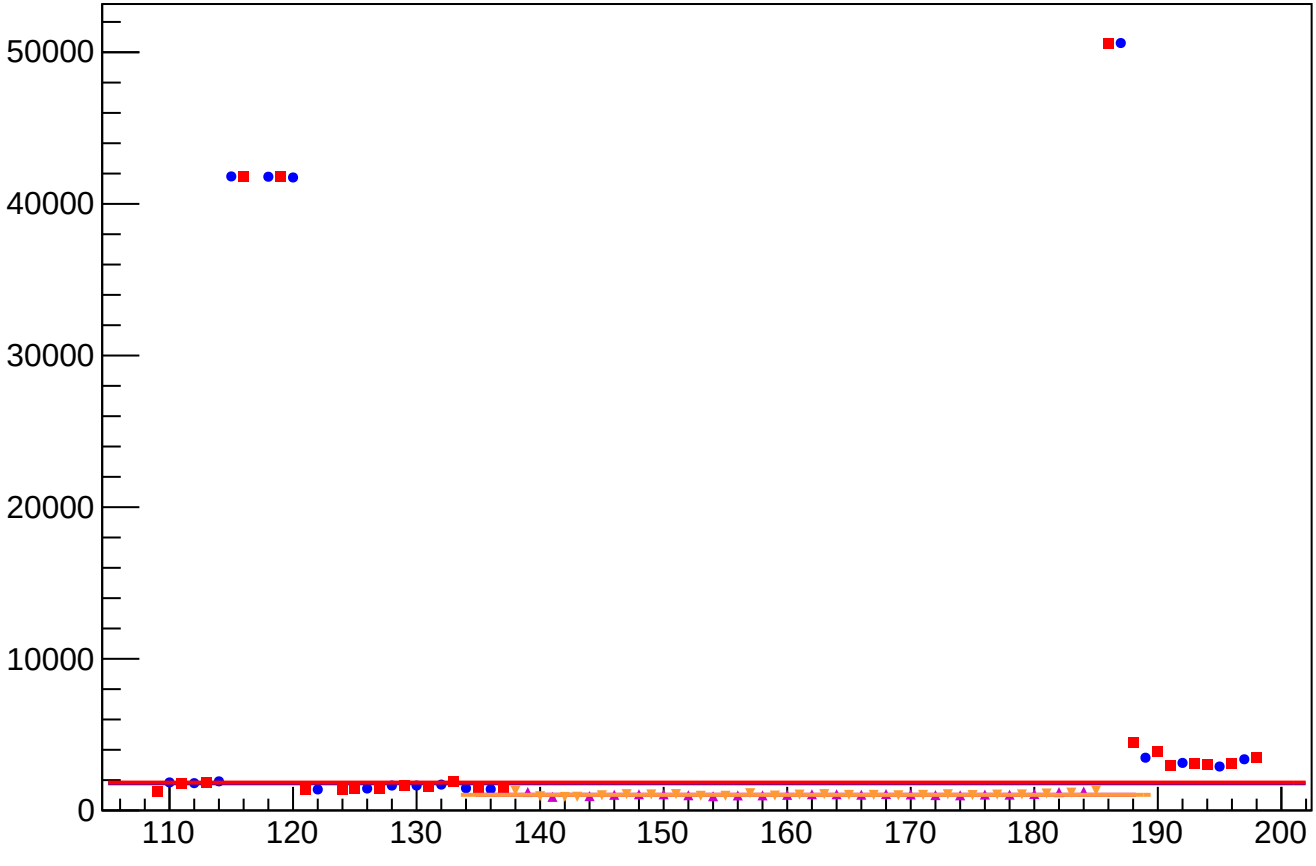
Right: -1.088+/-0.470 χ^2/NDF: 41.7/39

In: -0.427+/-0.228 χ^2/NDF:47.9/40

Out: -0.296+/-0.221 χ^2/NDF:59.9/46

All: -0.359+/-0.159 χ^2/NDF: 108.0/87

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1792.699+/-0.480 χ^2/NDF: 3739836.2/17

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1838.344+/-0.460 χ^2/NDF: 4785392.7/21

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

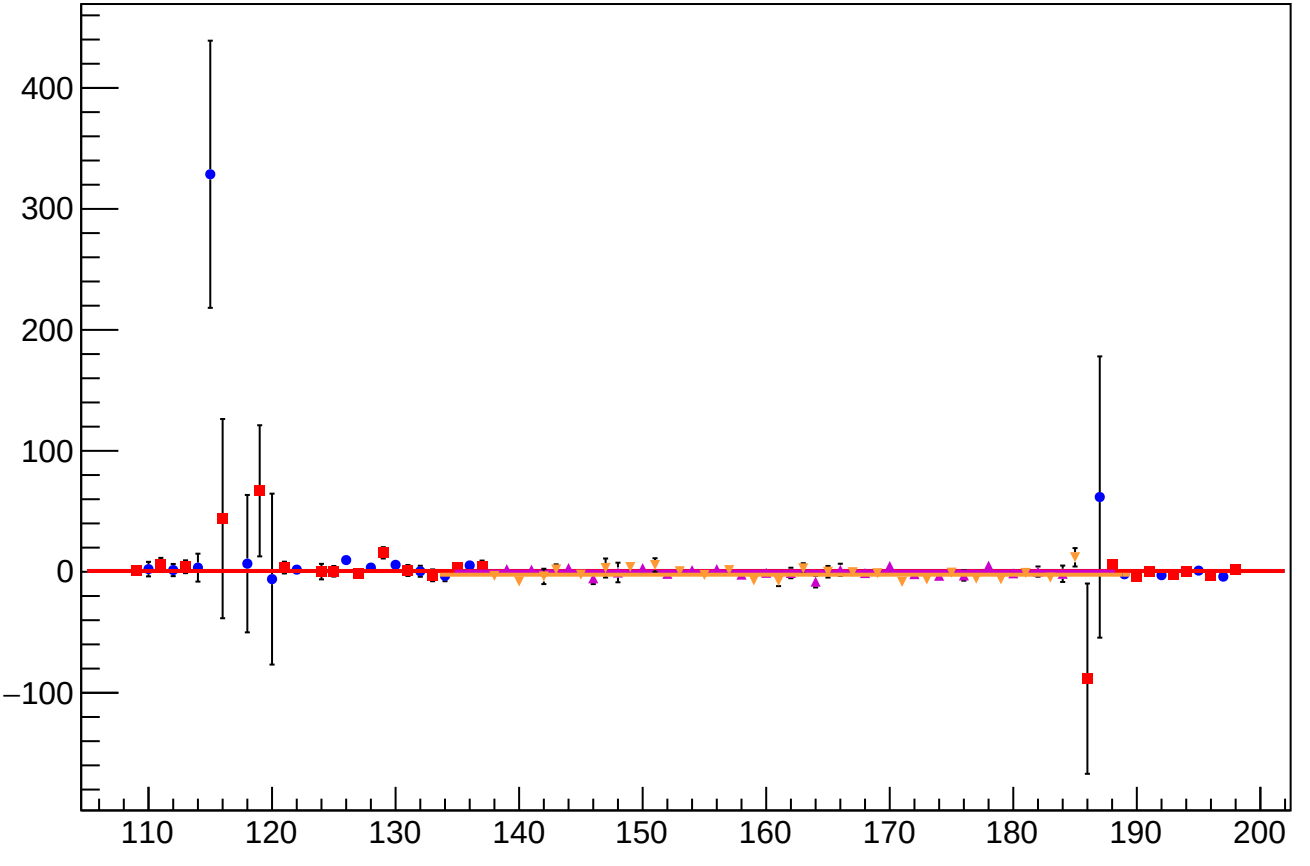
Right: 1816.475+/-0.332 χ^2/NDF: 8529944.6/39

In: 1118.596+/-0.161 χ^2/NDF:6152992.1/40

Out: 1124.930+/-0.157 χ^2/NDF:7748803.3/46

All: 1121.856+/-0.112 χ^2/NDF: 13902589.3/8

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 0.702+/-0.846 χ^2/NDF: 29.6/17

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: 0.667+/-0.766 χ^2/NDF: 26.9/21

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

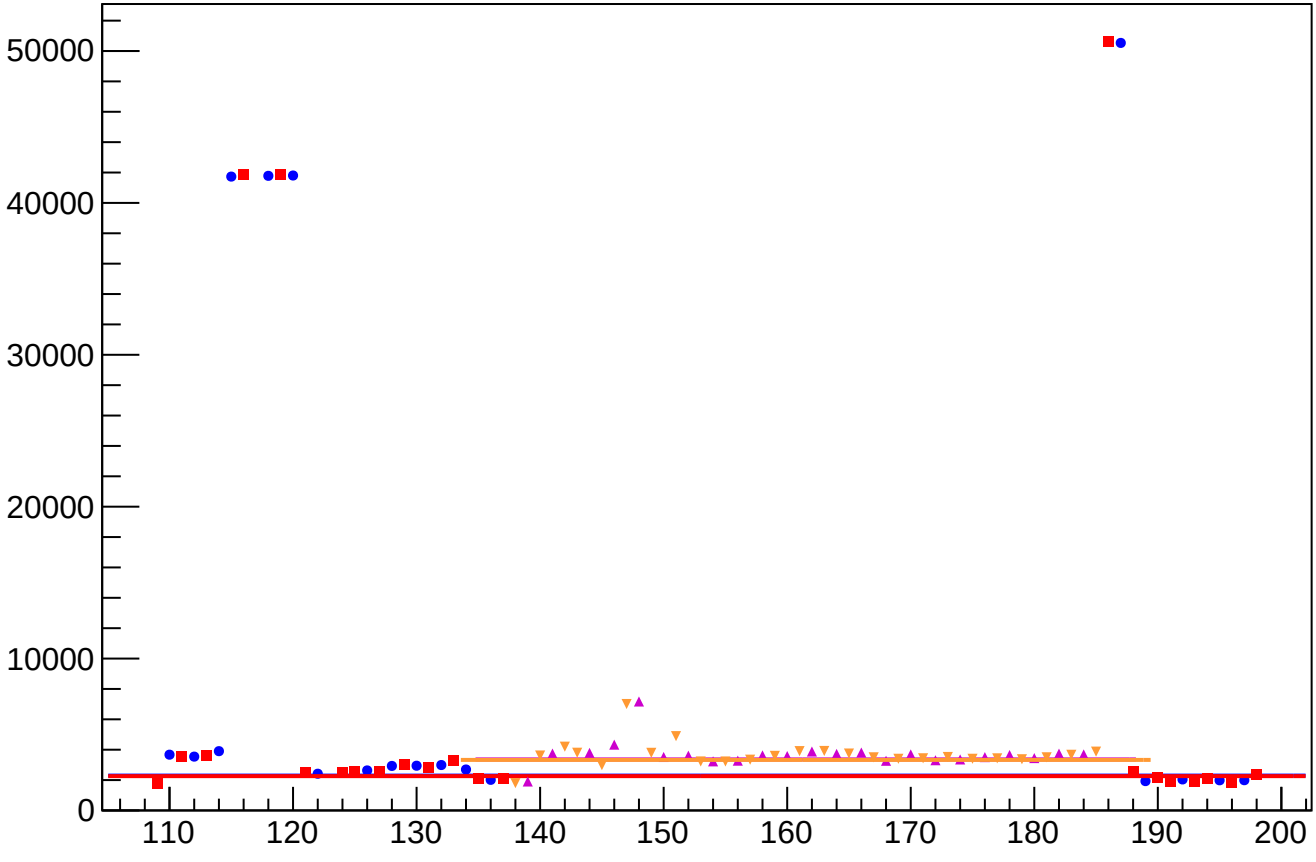
Right: 0.683+/-0.568 χ^2/NDF: 56.5/39

In: 0.425+/-0.585 χ^2/NDF:42.4/40

Out: -0.825+/-0.547 χ^2/NDF:59.0/46

All: -0.241+/-0.400 χ^2/NDF: 103.8/87

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2294.942+/-0.598 χ^2/NDF: 2806223.3/17

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 2259.079+/-0.542 χ^2/NDF: 2980788.9/21

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

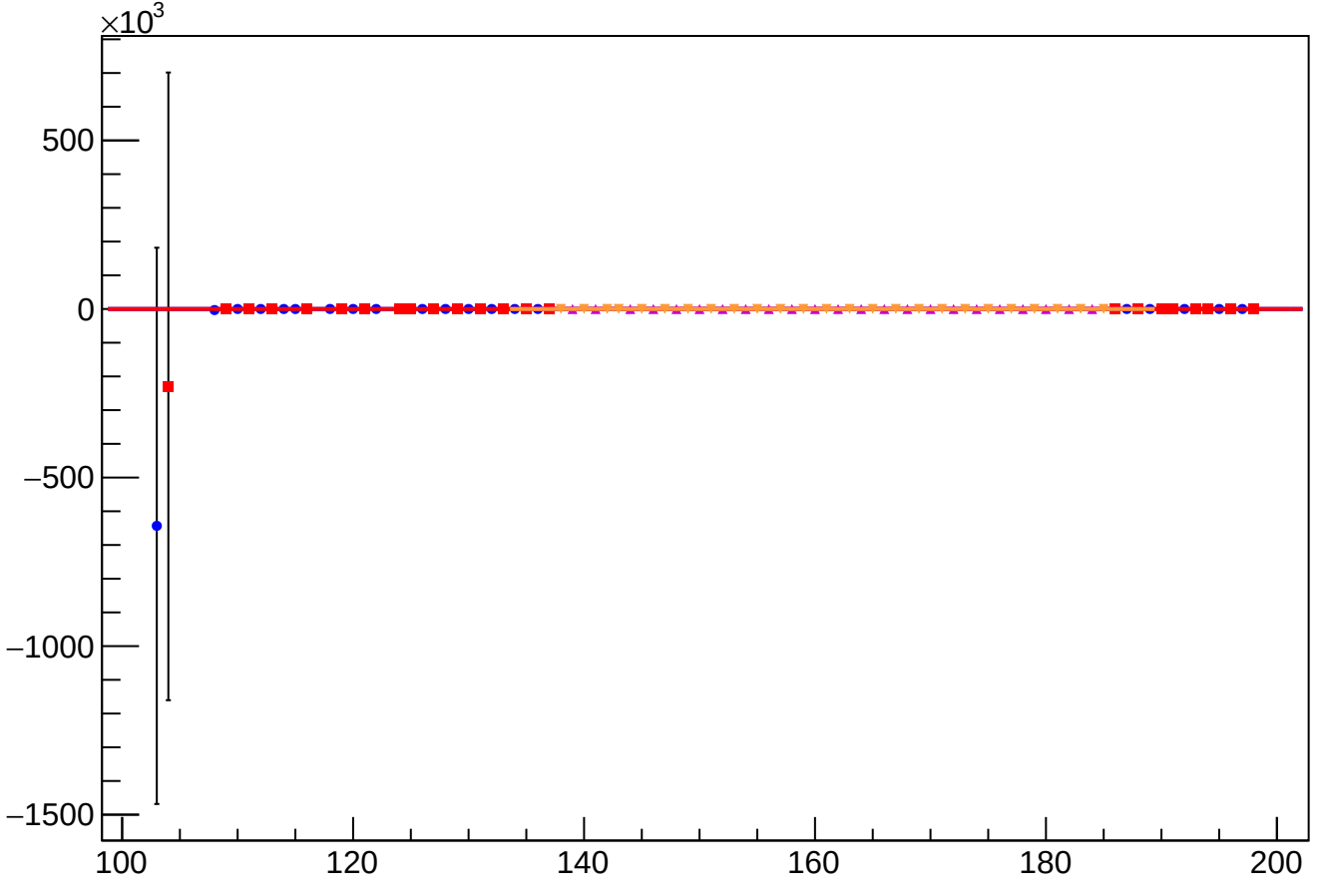
Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

Right: 2275.243+/-0.401 χ^2/NDF: 5788987.8/39

In: 2851.105+/-0.414 χ^2/NDF:6113235.2/40

Out: 2782.613+/-0.387 χ^2/NDF:6803871.0/46

All: 2814.590+/-0.283 χ^2/NDF: 12931731.0/8



Right In: -1.254+/-0.817 χ^2/NDF: 21.2/19

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: 2.096+/-0.762 χ^2/NDF: 22.8/22

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

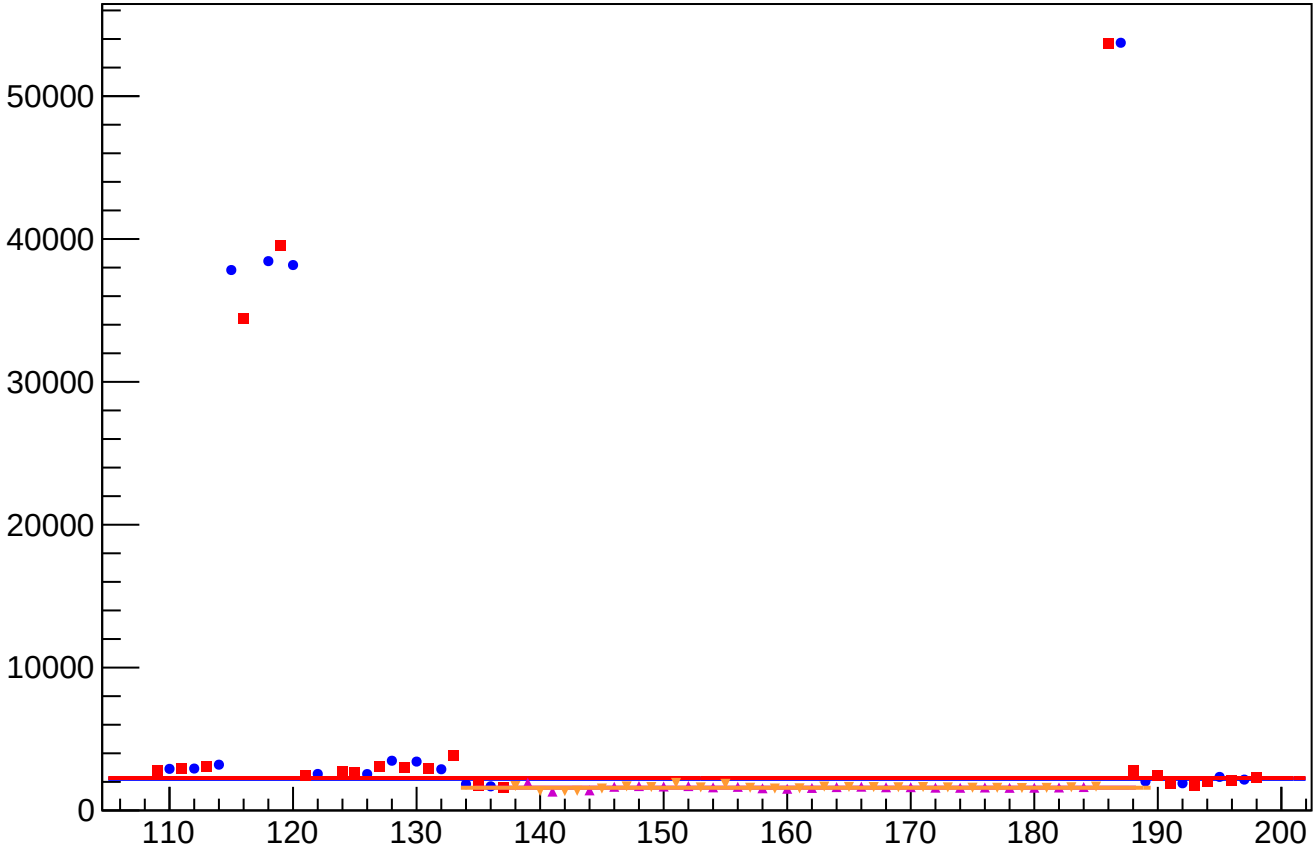
Right: 0.536+/-0.557 χ^2/NDF: 52.9/42

In: -0.232+/-0.340 χ^2/NDF:50.4/42

Out: -0.895+/-0.328 χ^2/NDF:91.9/47

All: -0.576+/-0.236 χ^2/NDF: 144.3/90

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2210.929+/-0.578 χ^2/NDF: 2892703.7/17

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2272.096+/-0.539 χ^2/NDF: 3150092.3/21

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

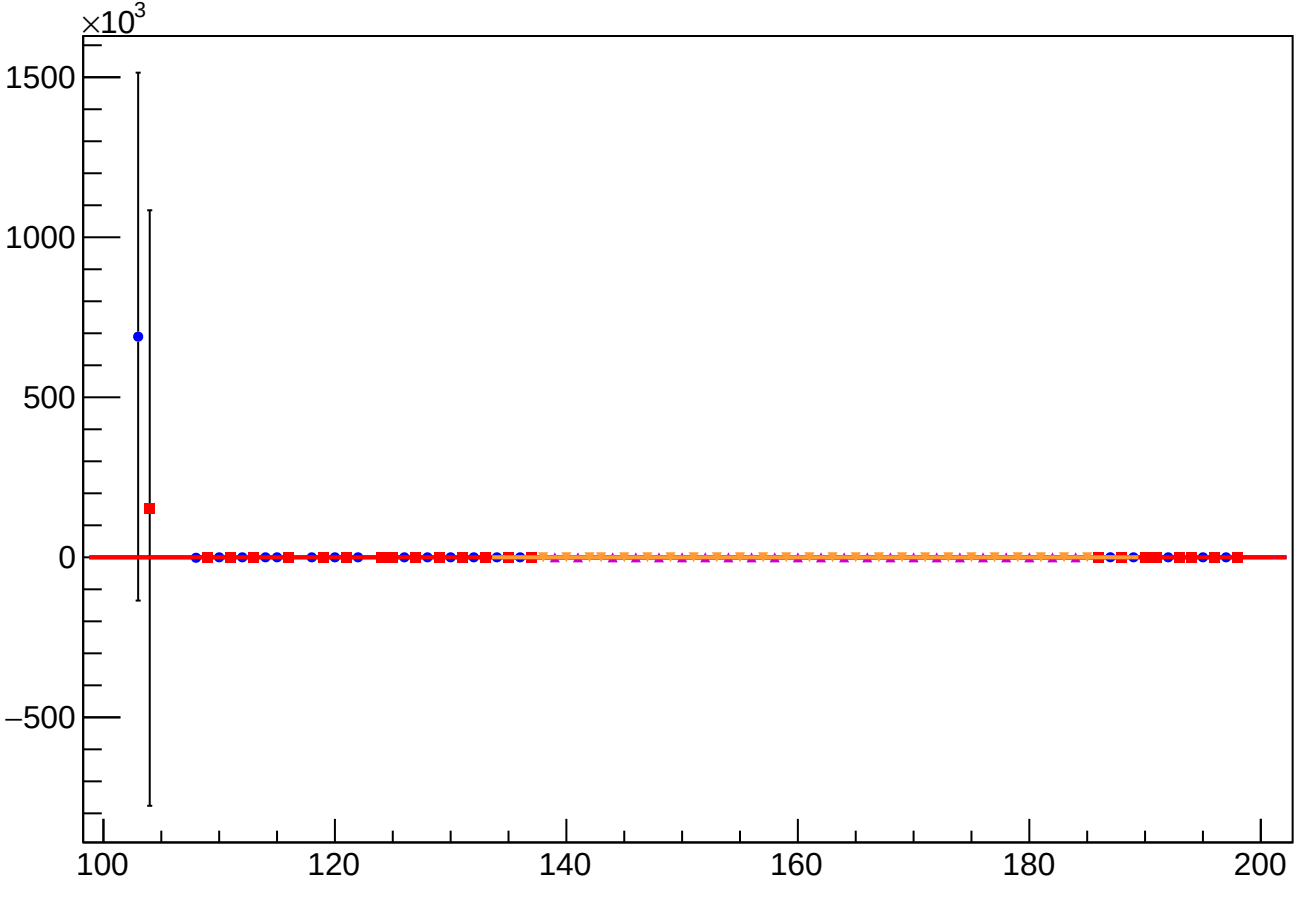
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2243.618+/-0.394 χ^2/NDF: 6048789.2/39

In: 1702.925+/-0.241 χ^2/NDF:4025584.8/40

Out: 1715.576+/-0.232 χ^2/NDF:4689658.3/46

All: 1709.491+/-0.167 χ^2/NDF: 8716677.0/87



Right In: 0.337+/-0.699 χ^2/NDF: 13.3/19

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: 0.069+/-0.631 χ^2/NDF: 26.1/22

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

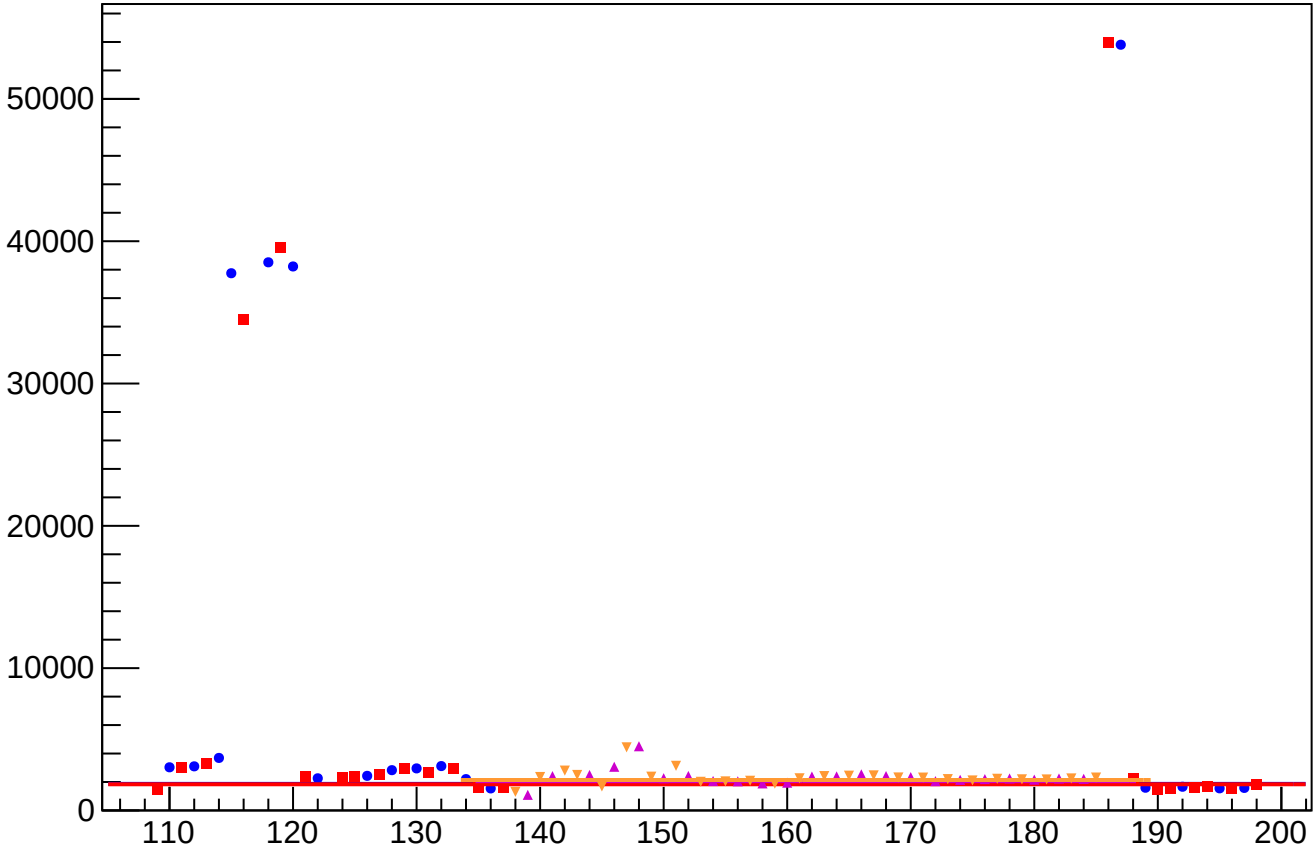
Right: 0.189+/-0.468 χ^2/NDF: 39.4/42

In: 0.032+/-0.407 χ^2/NDF:30.4/42

Out: -0.695+/-0.393 χ^2/NDF:52.9/47

All: -0.344+/-0.283 χ^2/NDF: 84.9/90

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 1866.648+/-0.494 χ^2/NDF: 3270075.6/17

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1839.988+/-0.446 χ^2/NDF: 3406346.1/21

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

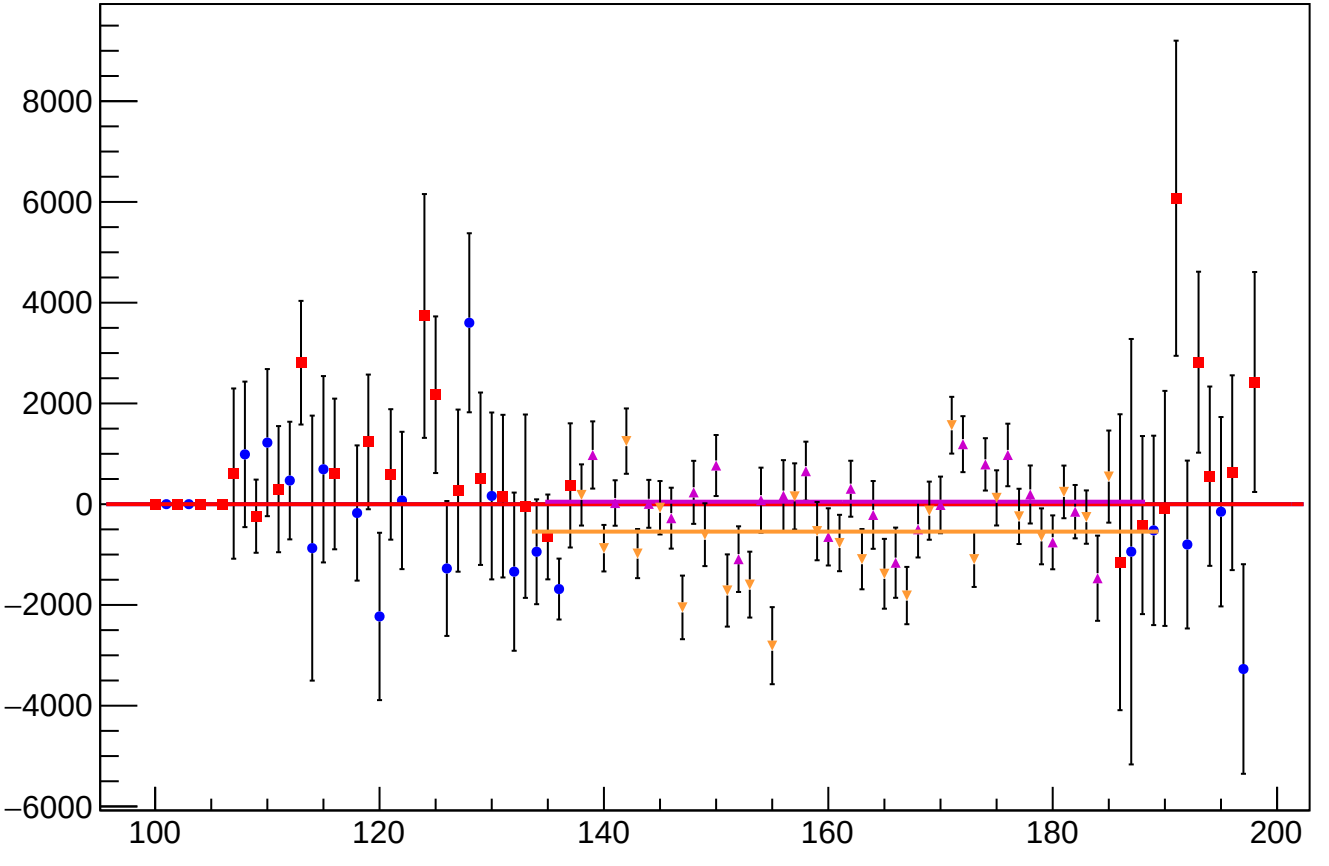
Right: 1851.963+/-0.331 χ^2/NDF: 6678024.3/39

In: 1993.156+/-0.288 χ^2/NDF:5662889.5/40

Out: 2023.168+/-0.278 χ^2/NDF:5161529.3/46

All: 2008.694+/-0.200 χ^2/NDF: 10830040.3/8

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.255+/-0.356 χ^2/NDF: 20.6/20

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: -0.096+/-0.328 χ^2/NDF: 23.3/26

Left In: 49.119+/-121.932 χ^2/NDF:28.0/22

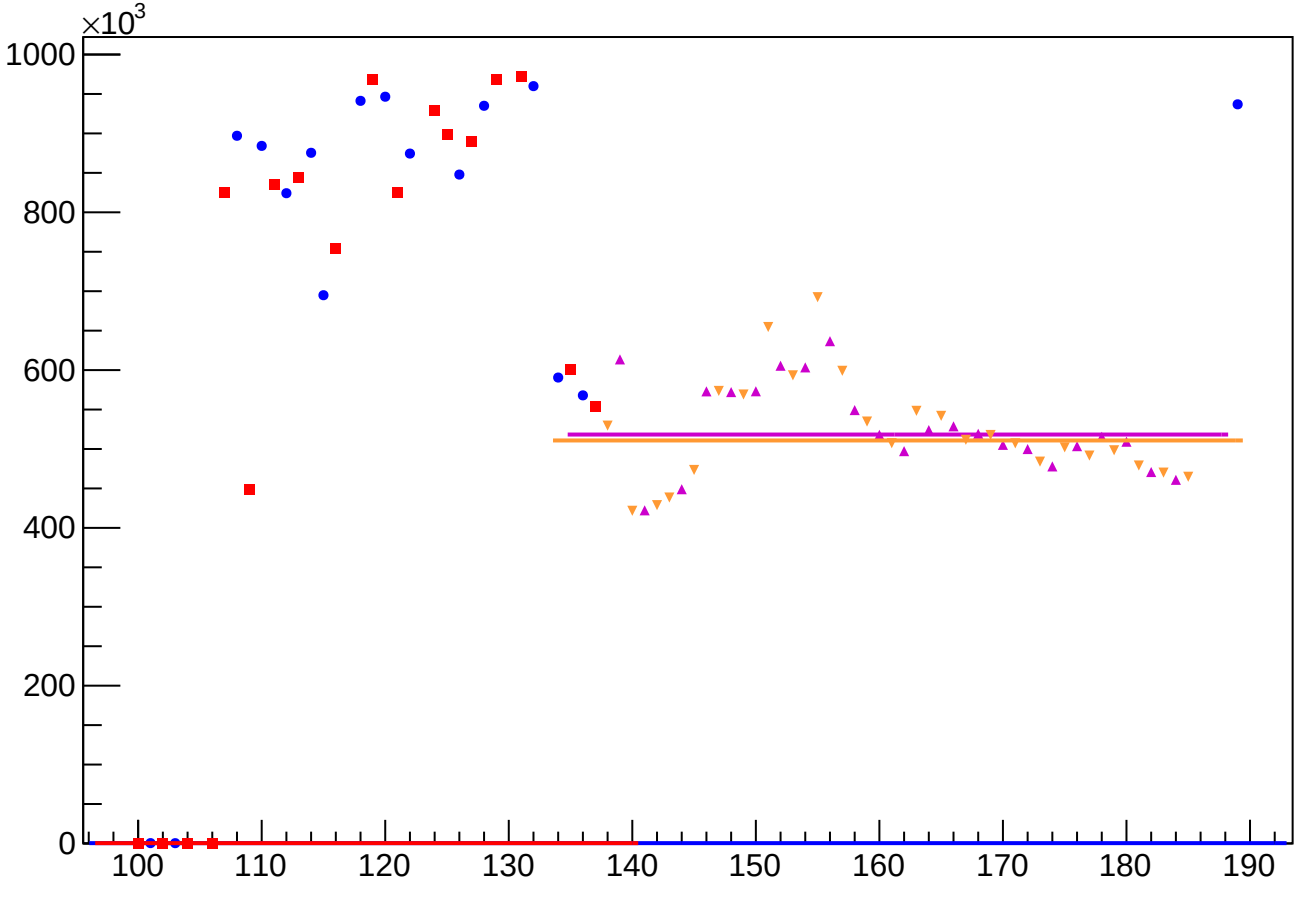
Left: -259.505+/-84.479 χ^2/NDF: 101.1/47

Right: 0.065+/-0.241 χ^2/NDF: 44.4/47

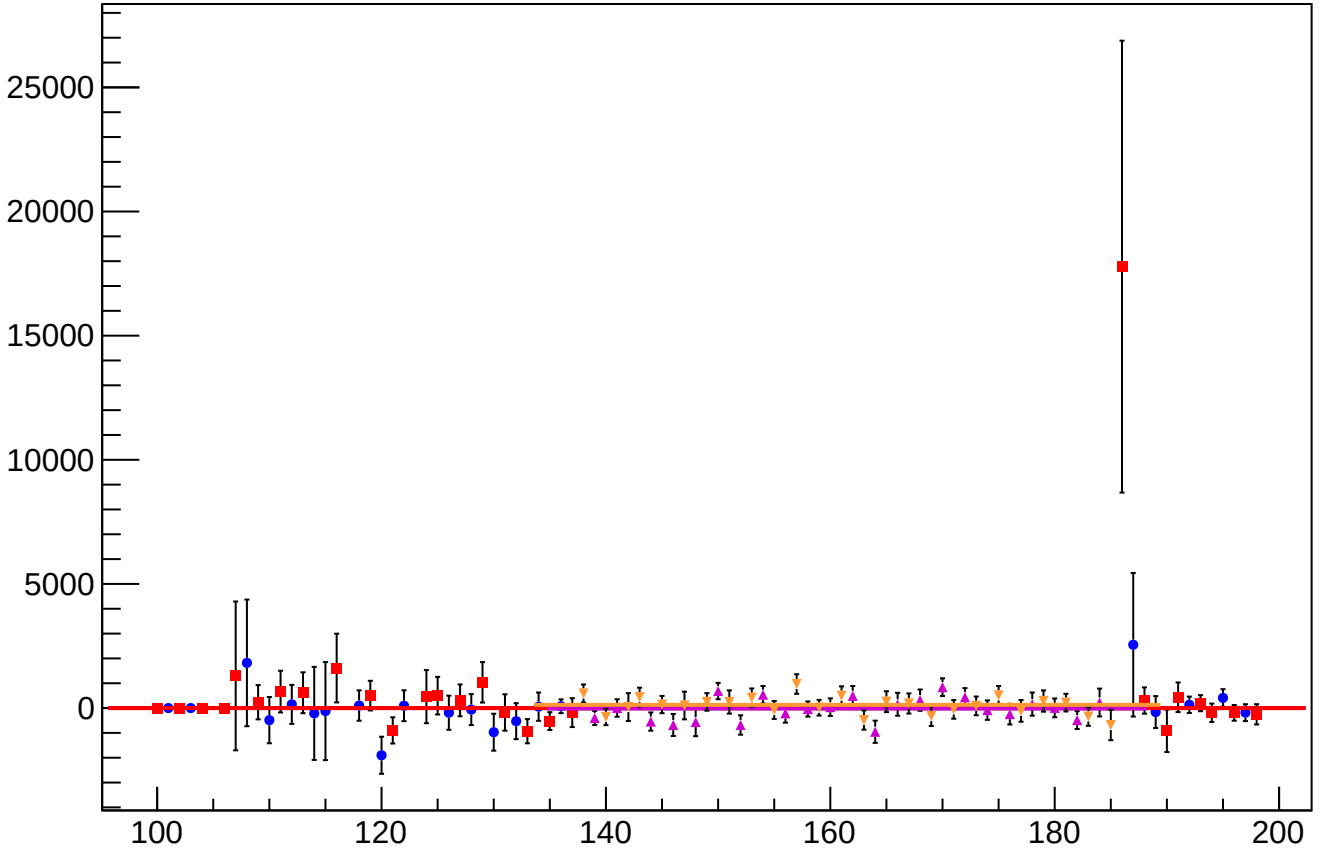
In: 0.256+/-0.356 χ^2/NDF:48.7/43

Out: -0.100+/-0.328 χ^2/NDF:105.7/51

All: 0.063+/-0.241 χ^2/NDF: 155.0/95


diff_cav4bX_rms vs Slug, Sign Corrected
×10^3
1000
800
600
400
200
0
100
110
120
130
140
150
160
170
180
190
Right In: 398.894+/-0.251 χ²/NDF: 8685185.3/15
Left Out: 510811.545+/-82.841 χ²/NDF:509606.7/24
Right Out: 393.240+/-0.232 χ²/NDF: 7648578.2/17
Left In: 518313.411+/-86.219 χ²/NDF:399884.6/22
Left: 514412.615+/-59.736 χ²/NDF: 913427.9/47
Right: 395.837+/-0.170 χ²/NDF: 16334036.8/33
In: 403.300+/-0.251 χ²/NDF:45168150.0/38
Out: 397.235+/-0.232 χ²/NDF:46121298.2/42
All: 400.021+/-0.170 χ²/NDF: 91289762.7/81

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 13.1/20

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: -0.599+/-0.324 χ^2/NDF: 22.2/26

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

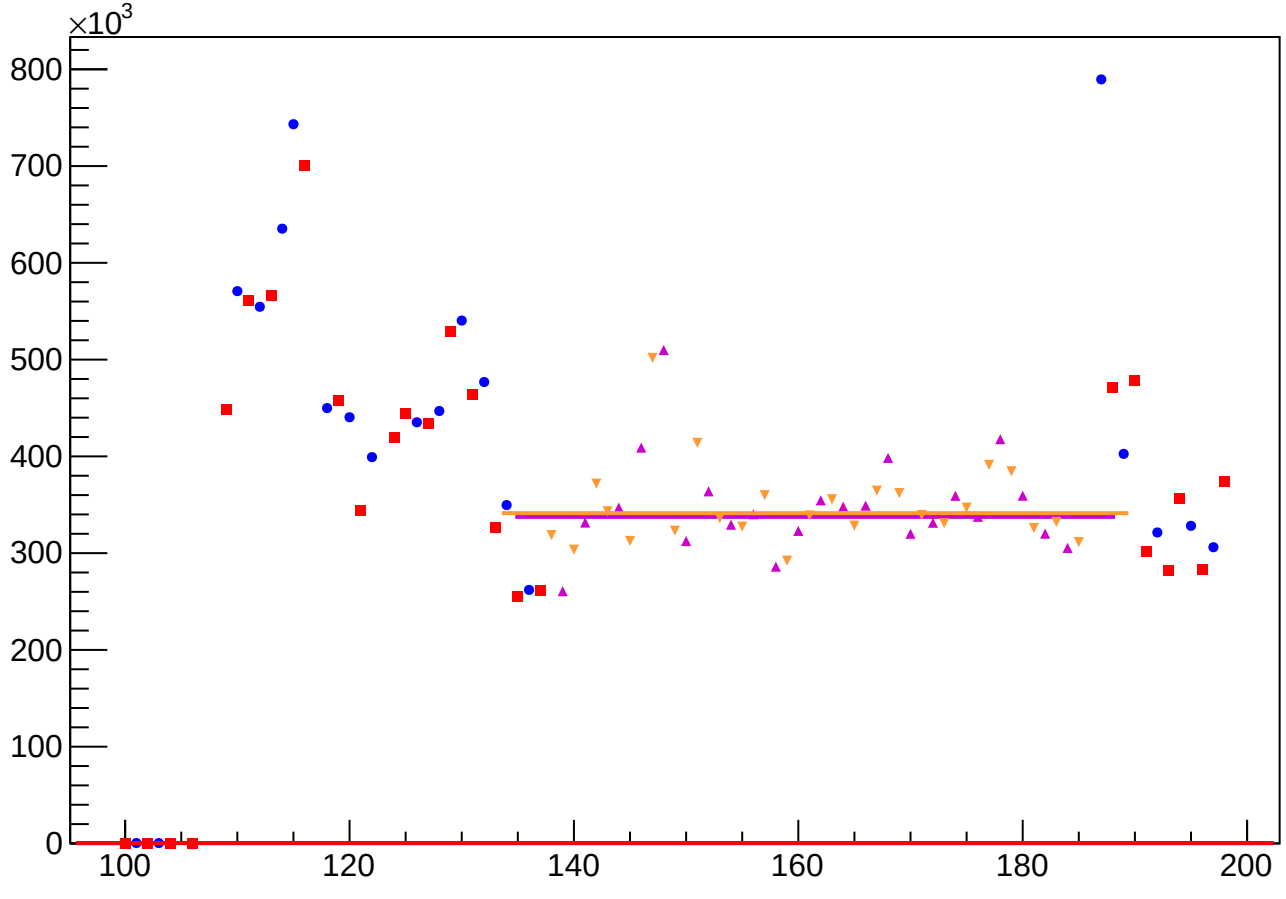
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.330+/-0.237 χ^2/NDF: 36.8/47

In: -0.020+/-0.347 χ^2/NDF:46.9/43

Out: -0.597+/-0.324 χ^2/NDF:45.1/51

All: -0.329+/-0.237 χ^2/NDF: 93.4/95



Right In: 391.384+/-0.245 χ^2/NDF: 17168001.9/19

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 389.399+/-0.229 χ^2/NDF: 20383238.5/24

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

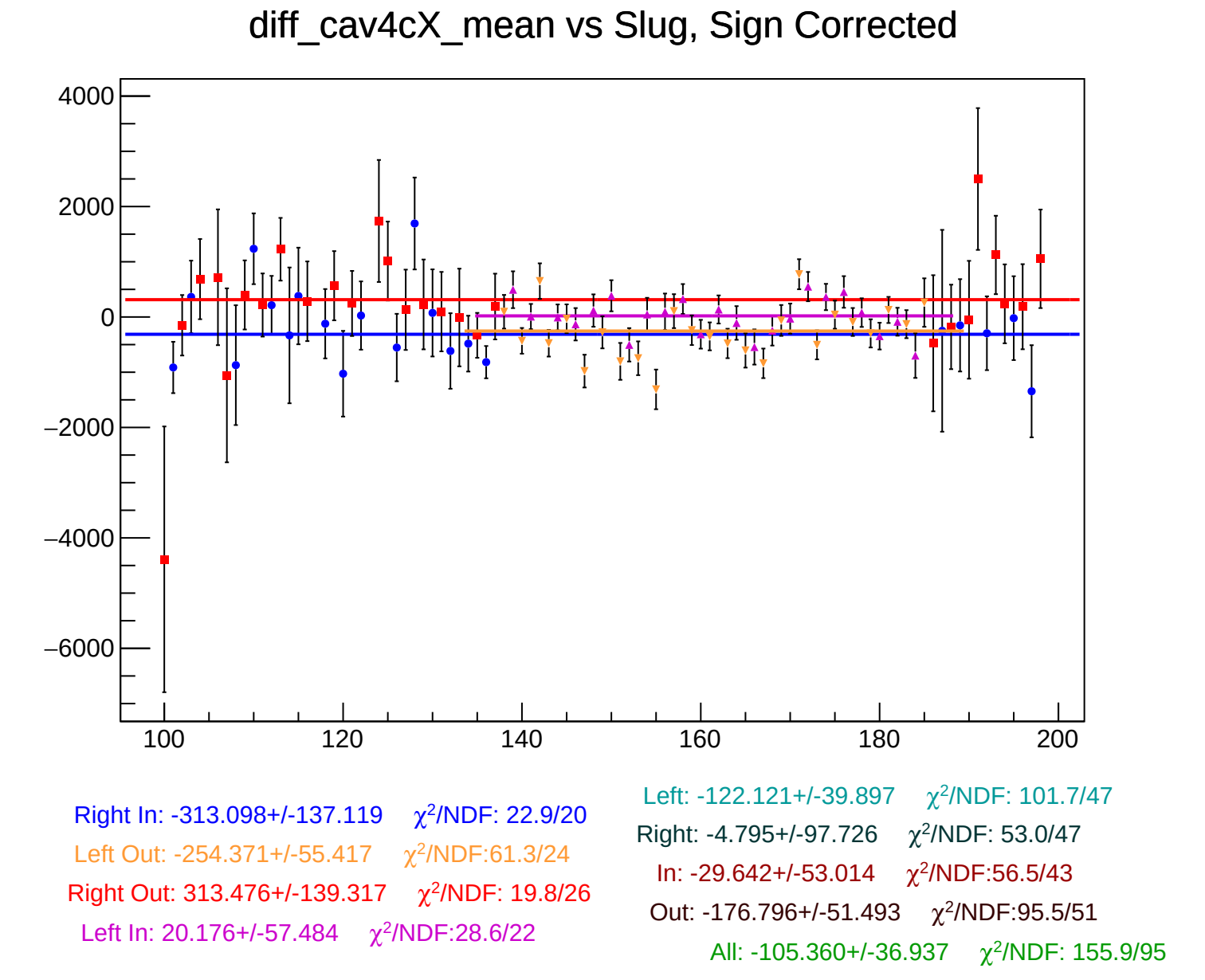
Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

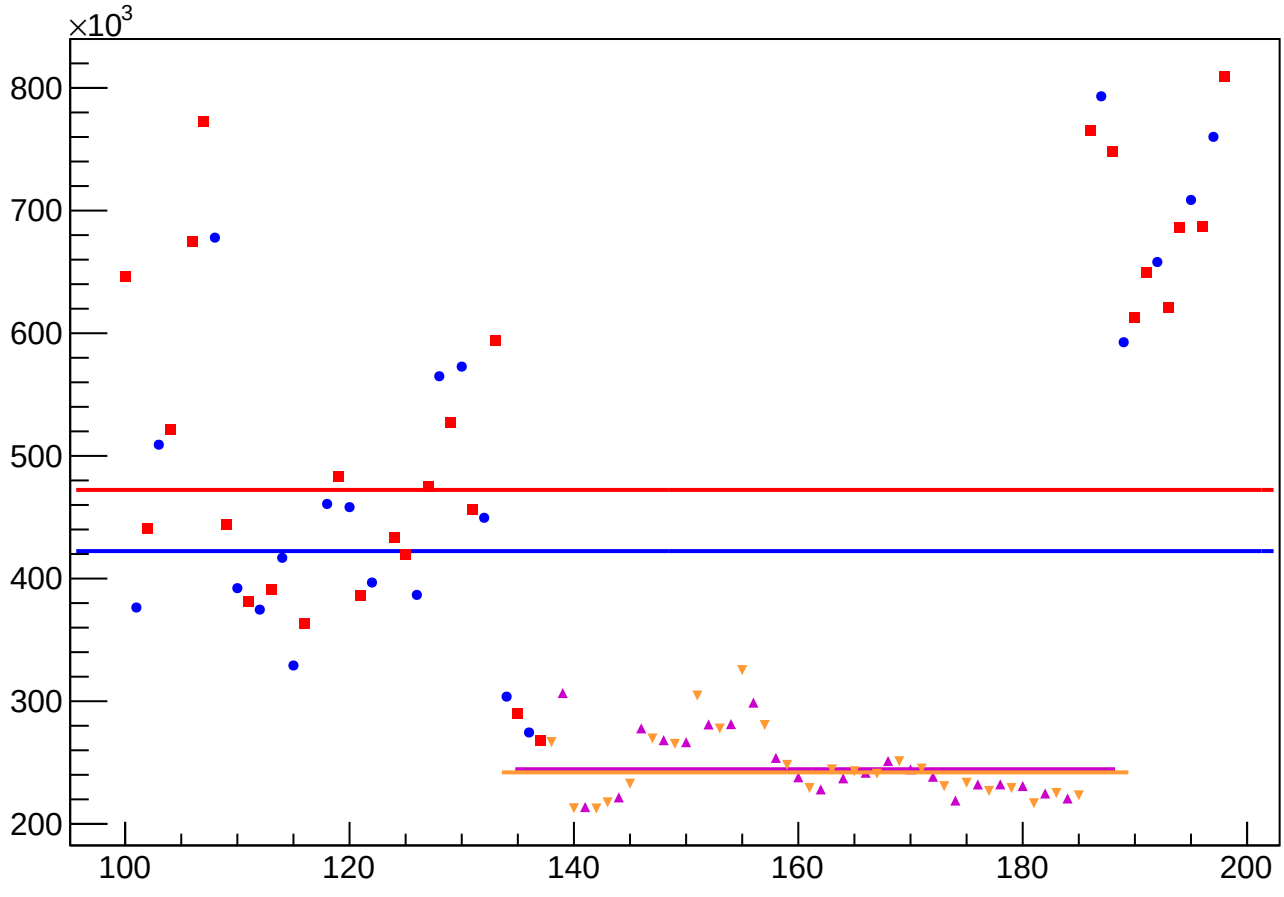
Right: 390.322+/-0.167 χ^2/NDF: 37551275.3/44

In: 397.767+/-0.245 χ^2/NDF:53486387.6/42

Out: 395.237+/-0.229 χ^2/NDF:58754441.3/49

All: 396.414+/-0.167 χ^2/NDF: 112240885.7/9


diff_cav4cX_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: -313.098+/-137.119 χ²/NDF: 22.9/20
Left Out: -254.371+/-55.417 χ²/NDF:61.3/24
Right Out: 313.476+/-139.317 χ²/NDF: 19.8/26
Left In: 20.176+/-57.484 χ²/NDF:28.6/22
Left: -122.121+/-39.897 χ²/NDF: 101.7/47
Right: -4.795+/-97.726 χ²/NDF: 53.0/47
In: -29.642+/-53.014 χ²/NDF:56.5/43
Out: -176.796+/-51.493 χ²/NDF:95.5/51
All: -105.360+/-36.937 χ²/NDF: 155.9/95



Right In: 422393.790+/-96.981 χ^2/NDF: 2011036.4/20

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 472274.373+/-98.652 χ^2/NDF: 2167193.6/26

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

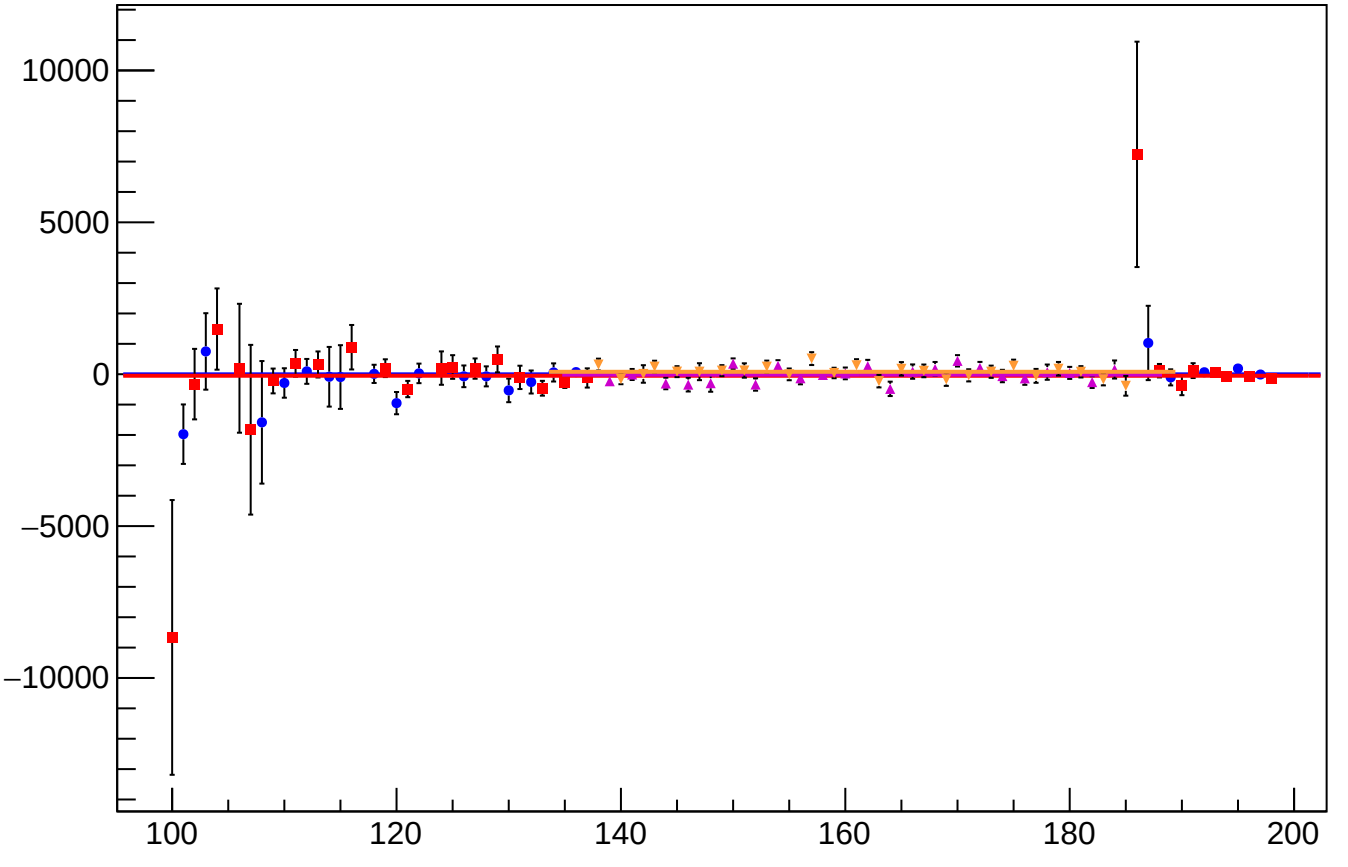
Right: 446908.125+/-69.159 χ^2/NDF: 4308240.9/47

In: 271116.997+/-37.488 χ^2/NDF:5233163.0/43

Out: 273389.123+/-36.418 χ^2/NDF:7286124.0/51

All: 272285.933+/-26.121 χ^2/NDF: 1252117

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -4.573+/-57.577 χ^2/NDF: 17.6/20

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: -50.255+/-51.439 χ^2/NDF: 25.9/26

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

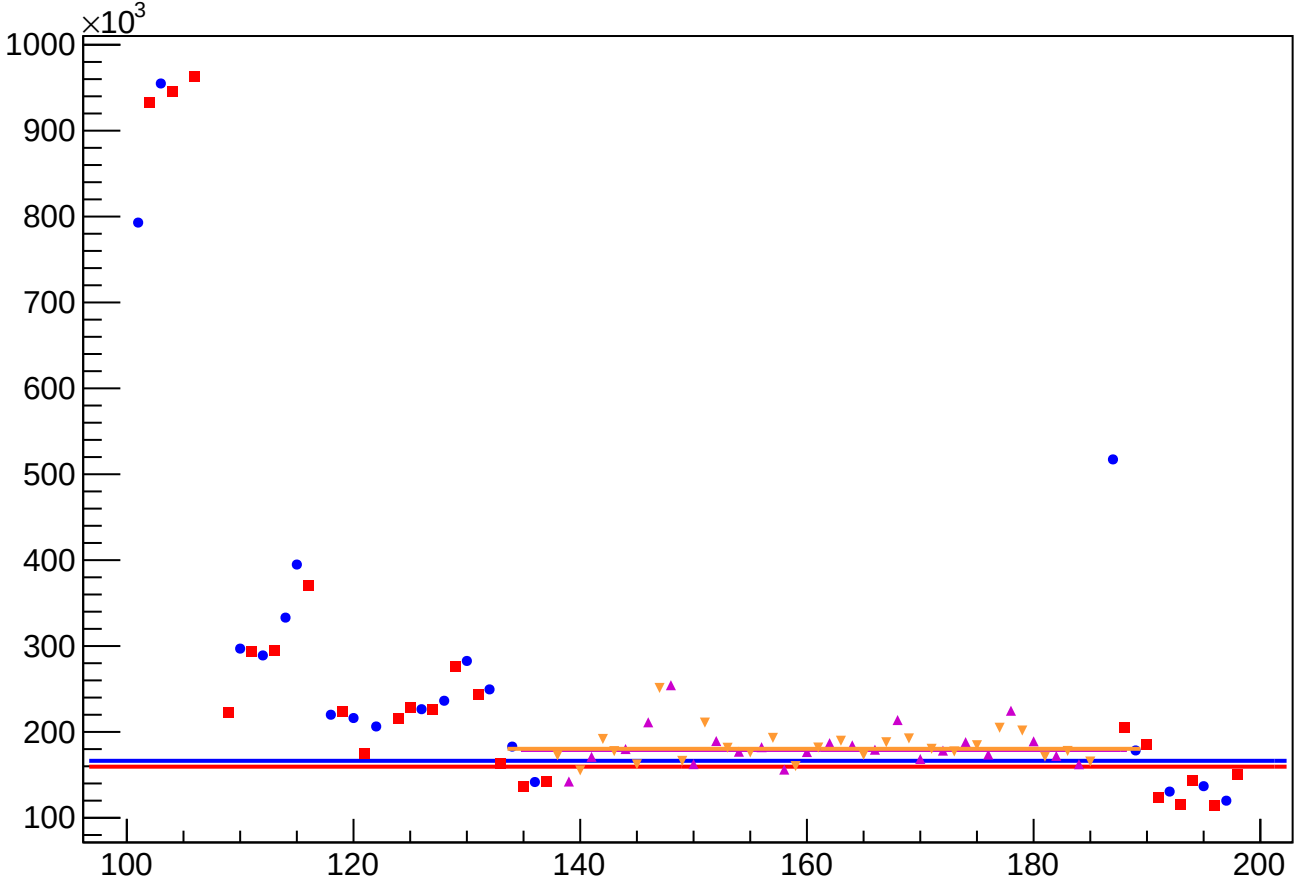
Right: -29.978+/-38.360 χ^2/NDF: 43.8/47

In: -10.723+/-34.054 χ^2/NDF:50.8/43

Out: 28.637+/-32.205 χ^2/NDF:49.5/51

All: 10.055+/-23.399 χ^2/NDF: 101.0/95

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 166370.955+/-40.743 χ^2/NDF: 3080488.6/19

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 159538.947+/-36.408 χ^2/NDF: 3223162.8/23

Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

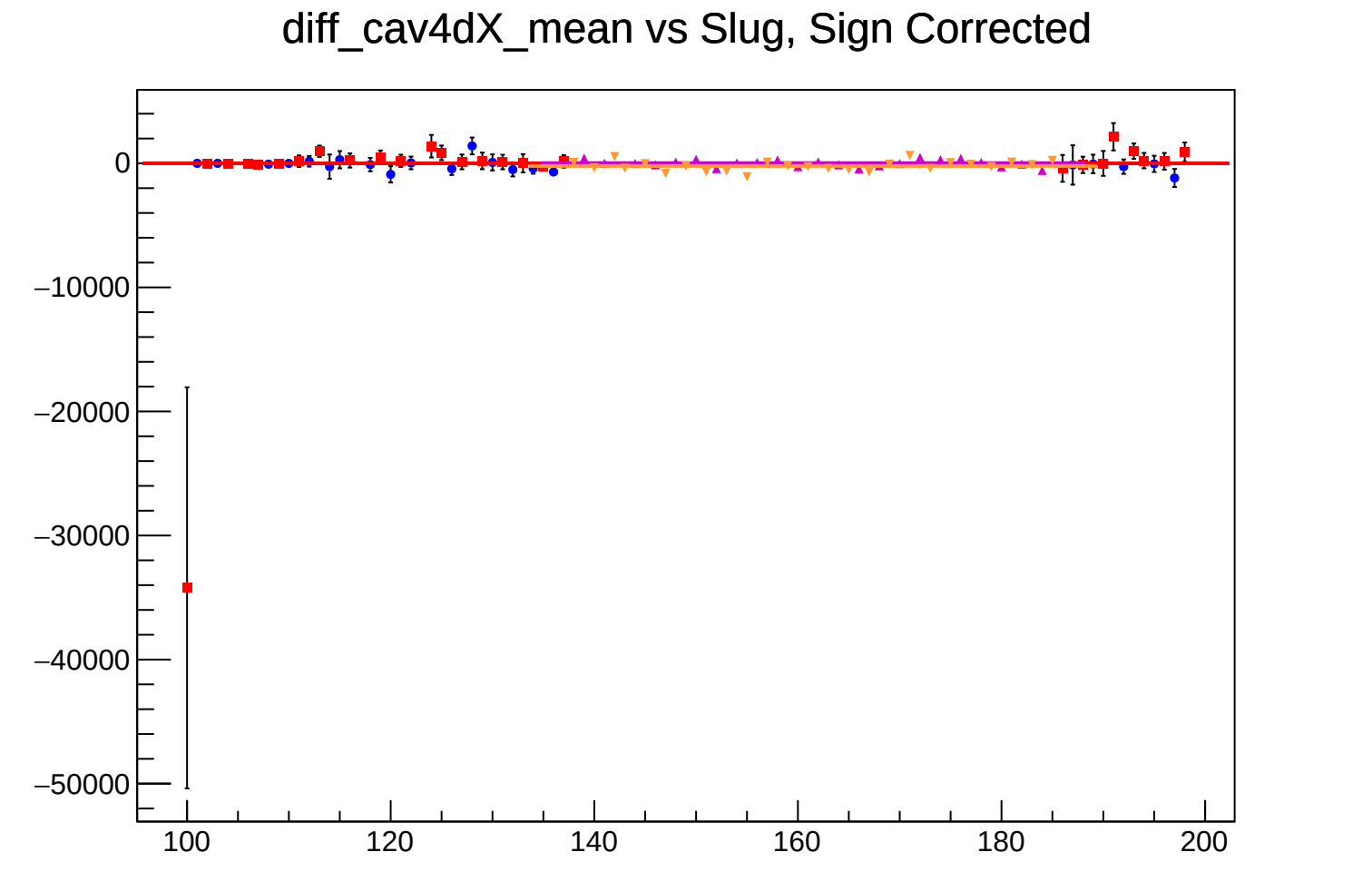
Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

Right: 162572.229+/-27.148 χ^2/NDF: 6319285.7/43

In: 174602.076+/-24.086 χ^2/NDF:3644630.6/42

Out: 172197.781+/-22.781 χ^2/NDF:3768440.9/48

All: 173333.006+/-16.551 χ^2/NDF: 7418330.9



Right In: -0.035+/-0.172 χ^2/NDF: 21.0/20

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: 0.355+/-0.160 χ^2/NDF: 24.5/26

Left In: 21.095+/-48.037 χ^2/NDF:28.6/22

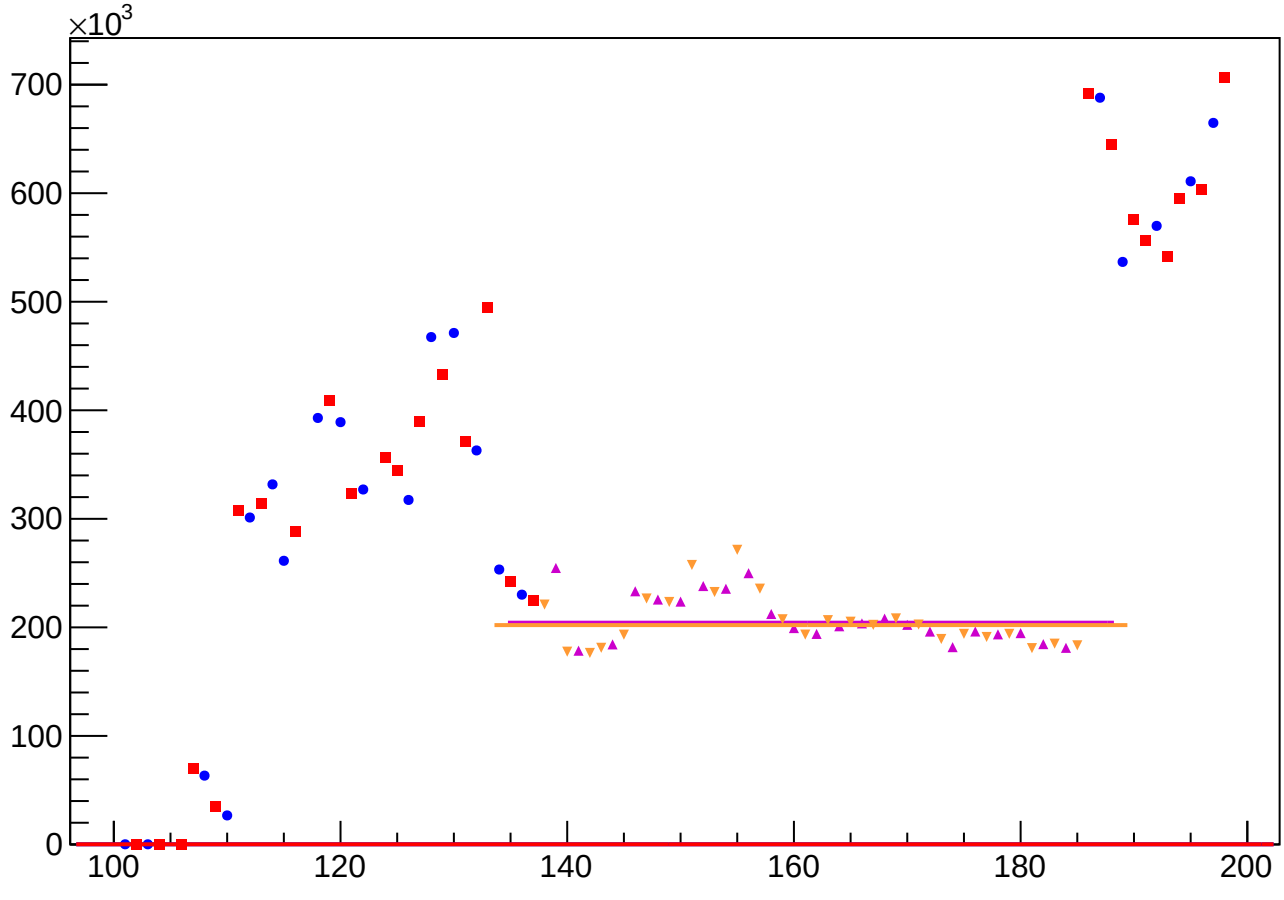
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 48.3/47

In: -0.035+/-0.172 χ^2/NDF:49.7/43

Out: 0.353+/-0.160 χ^2/NDF:106.4/51

All: 0.173+/-0.117 χ^2/NDF: 158.9/95



Right In: 149.259+/-0.122 χ^2/NDF: 18046705.2/20

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.599+/-0.113 χ^2/NDF: 21849920.4/25

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

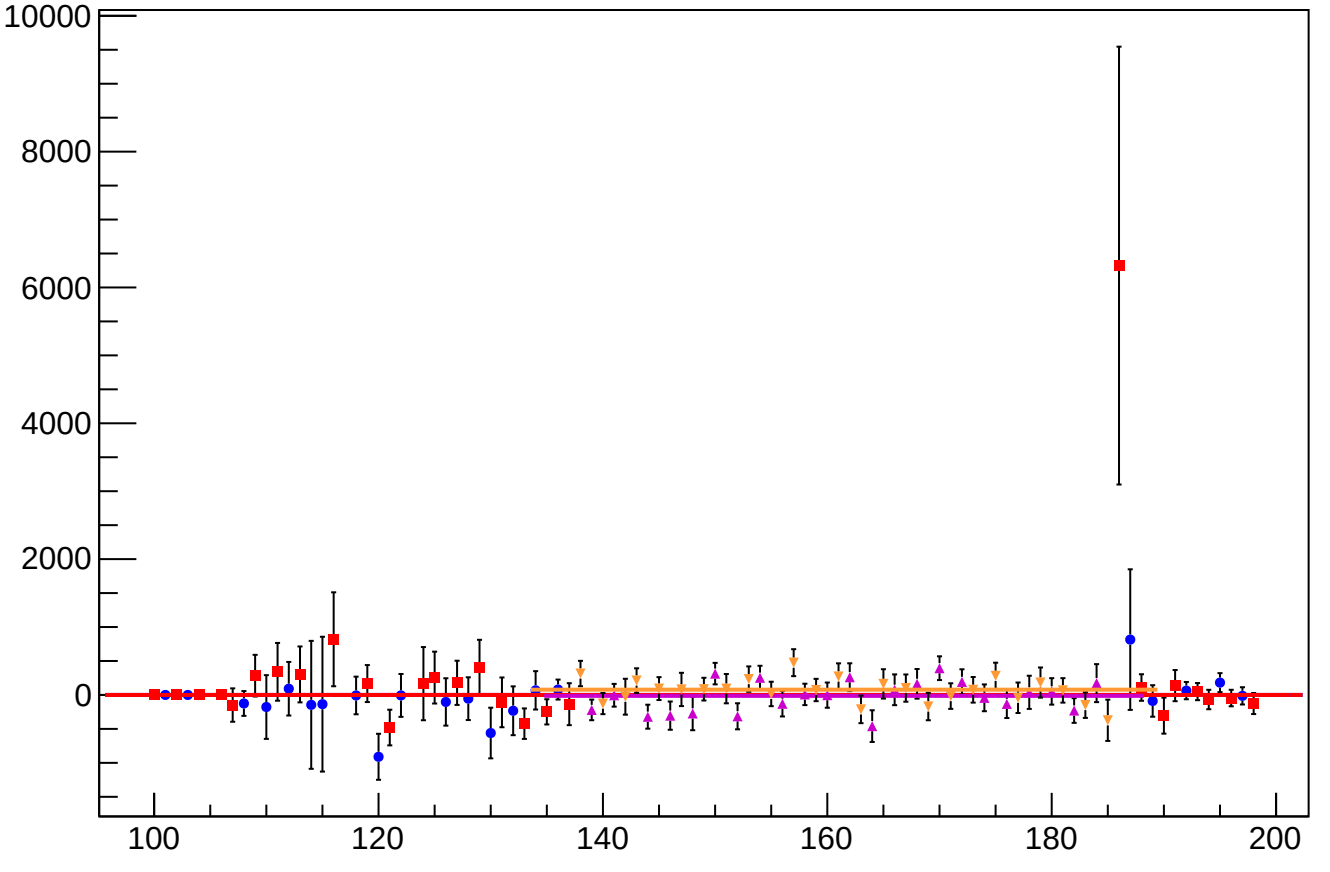
Right: 149.441+/-0.083 χ^2/NDF: 39896629.8/46

In: 151.884+/-0.122 χ^2/NDF:54549466.2/43

Out: 152.016+/-0.113 χ^2/NDF:60345674.6/50

All: 151.954+/-0.083 χ^2/NDF: 114895141.4/9

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.177 χ^2/NDF: 13.9/20

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: -0.126+/-0.166 χ^2/NDF: 22.3/26

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

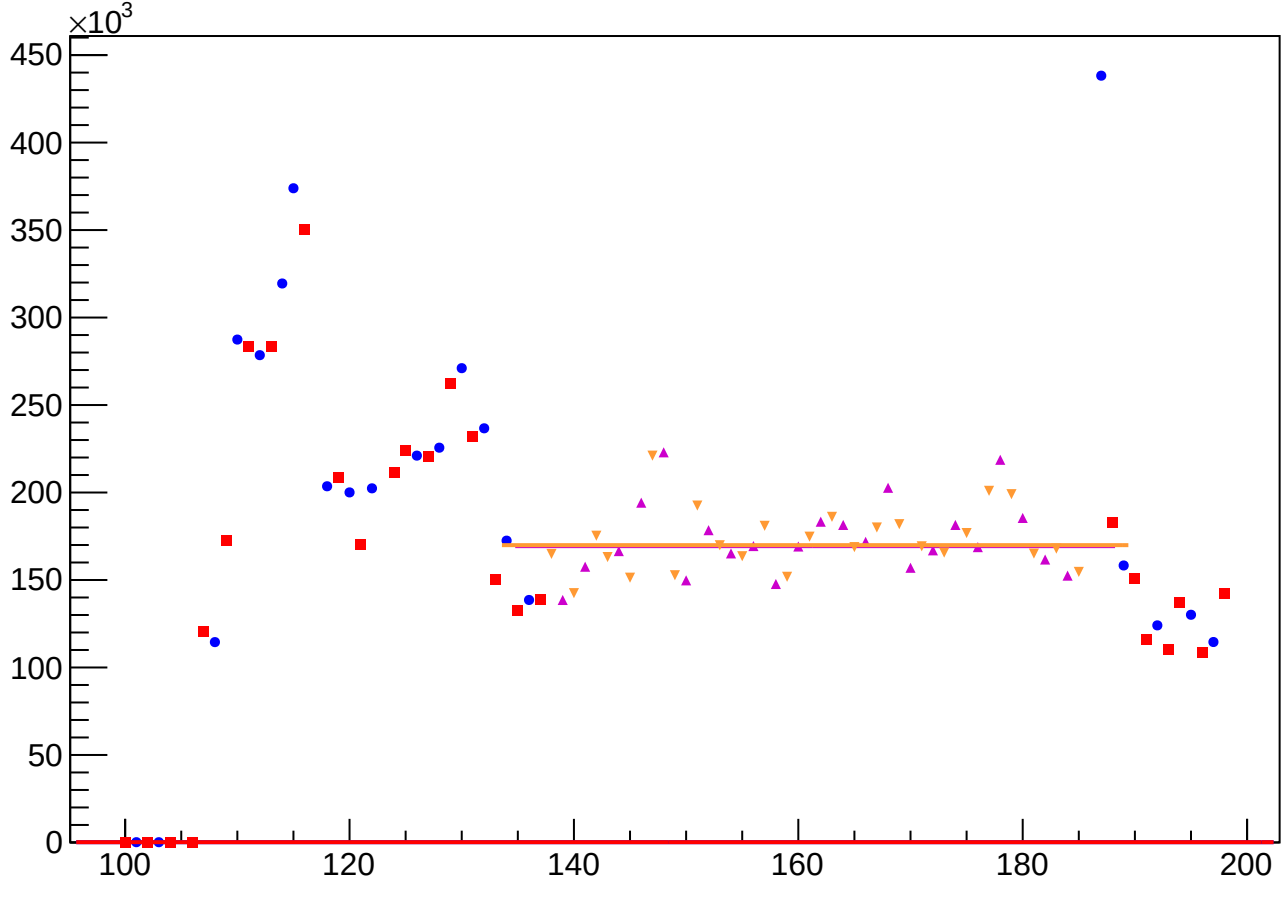
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.099+/-0.121 χ^2/NDF: 36.2/47

In: -0.068+/-0.177 χ^2/NDF:46.7/43

Out: -0.125+/-0.166 χ^2/NDF:45.3/51

All: -0.098+/-0.121 χ^2/NDF: 92.1/95



Right In: 154.237+/-0.125 χ^2/NDF: 18441752.8/20

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 157.156+/-0.118 χ^2/NDF: 20869831.7/25

Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

Left: 169641.366+/-19.708 χ^2/NDF: 839022.8/47

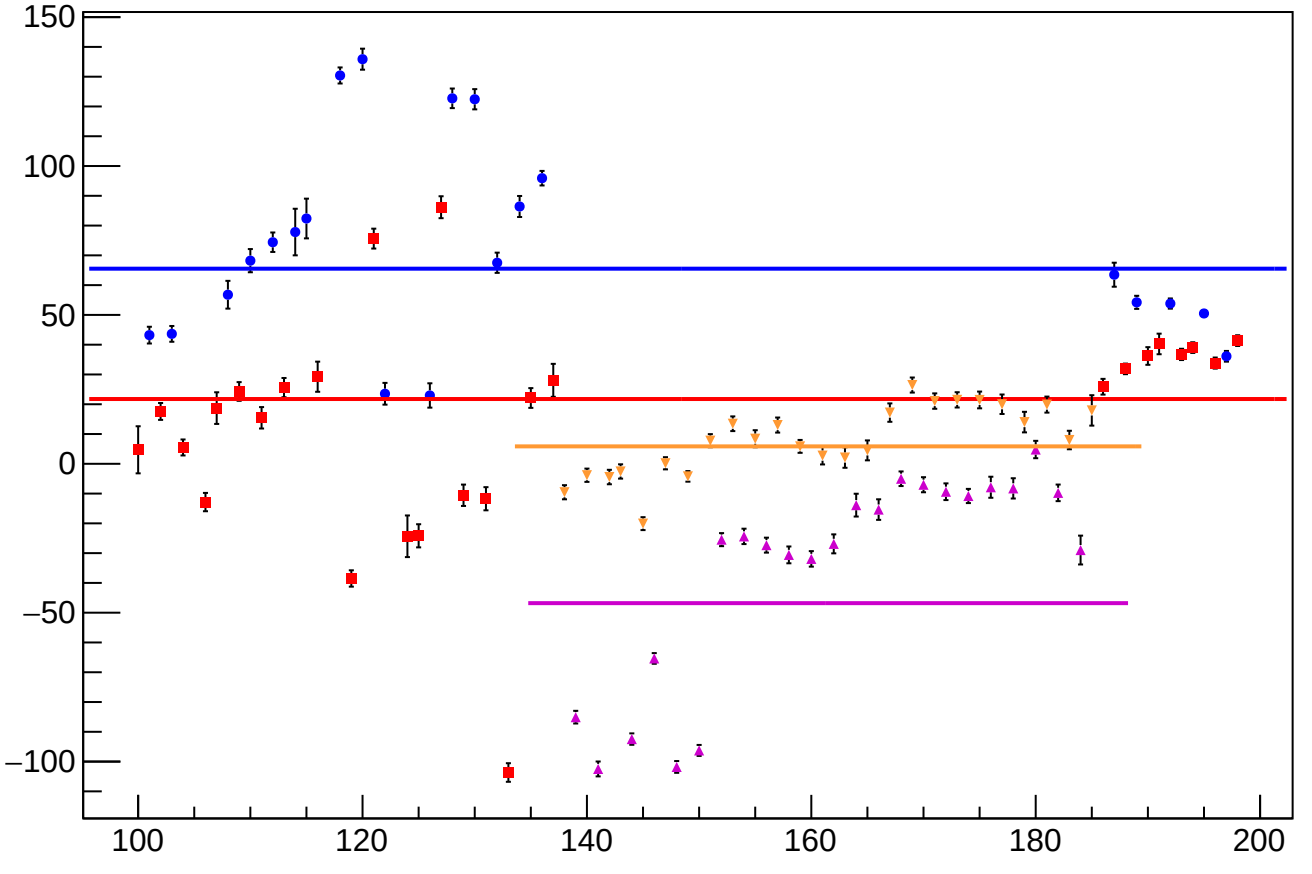
Right: 155.788+/-0.086 χ^2/NDF: 39311872.6/46

In: 157.571+/-0.125 χ^2/NDF:54827498.8/43

Out: 160.262+/-0.118 χ^2/NDF:59280396.7/50

All: 159.000+/-0.086 χ^2/NDF: 114108140.4/9

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 65.525+/-0.611 χ^2/NDF: 2569.4/20

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: 21.755+/-0.548 χ^2/NDF: 3583.1/26

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

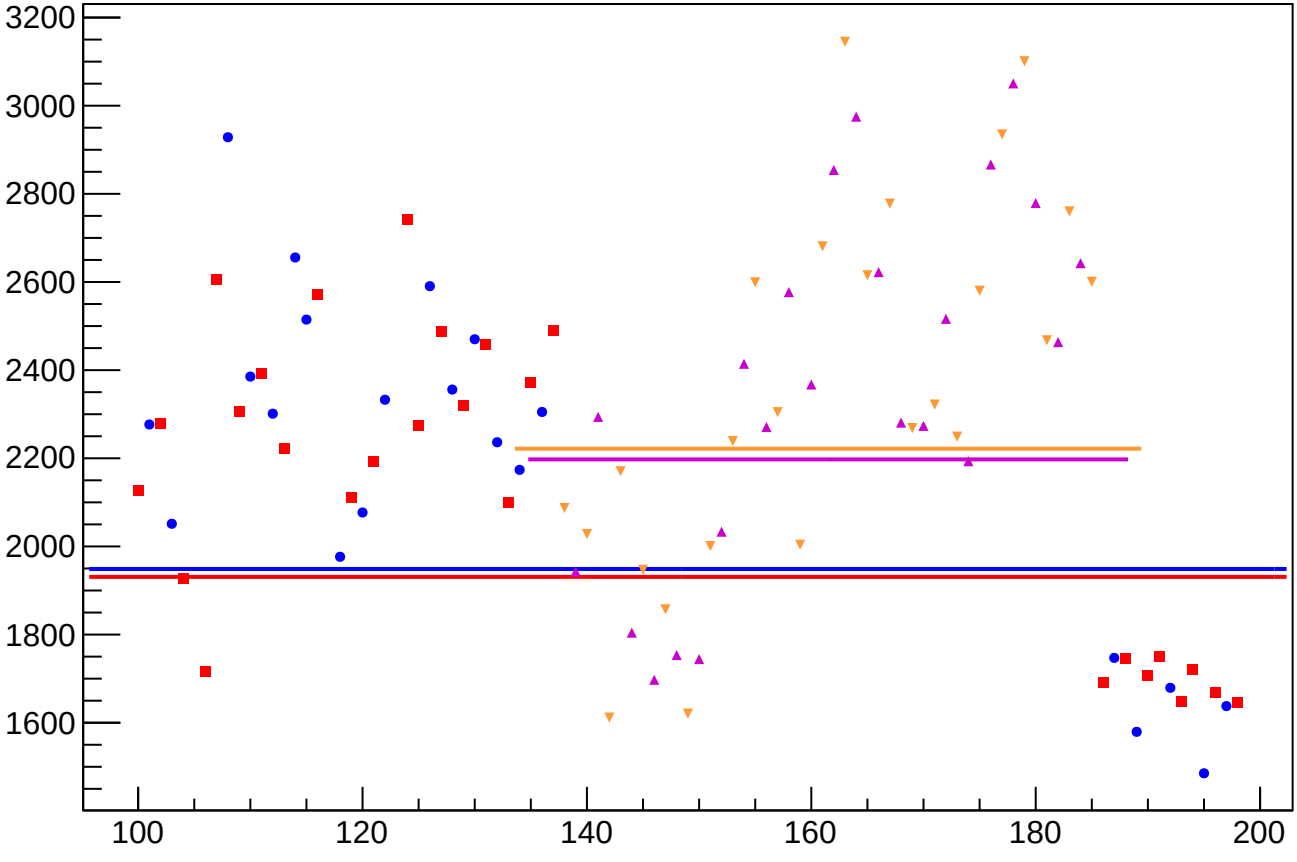
Right: 41.257+/-0.408 χ^2/NDF: 8998.8/47

In: 0.865+/-0.398 χ^2/NDF:27205.5/43

Out: 13.299+/-0.375 χ^2/NDF:4566.7/51

All: 7.454+/-0.273 χ^2/NDF: 32289.6/95

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 1948.865+/-0.432 χ^2/NDF: 749220.2/20

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1930.917+/-0.387 χ^2/NDF: 632590.4/26

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

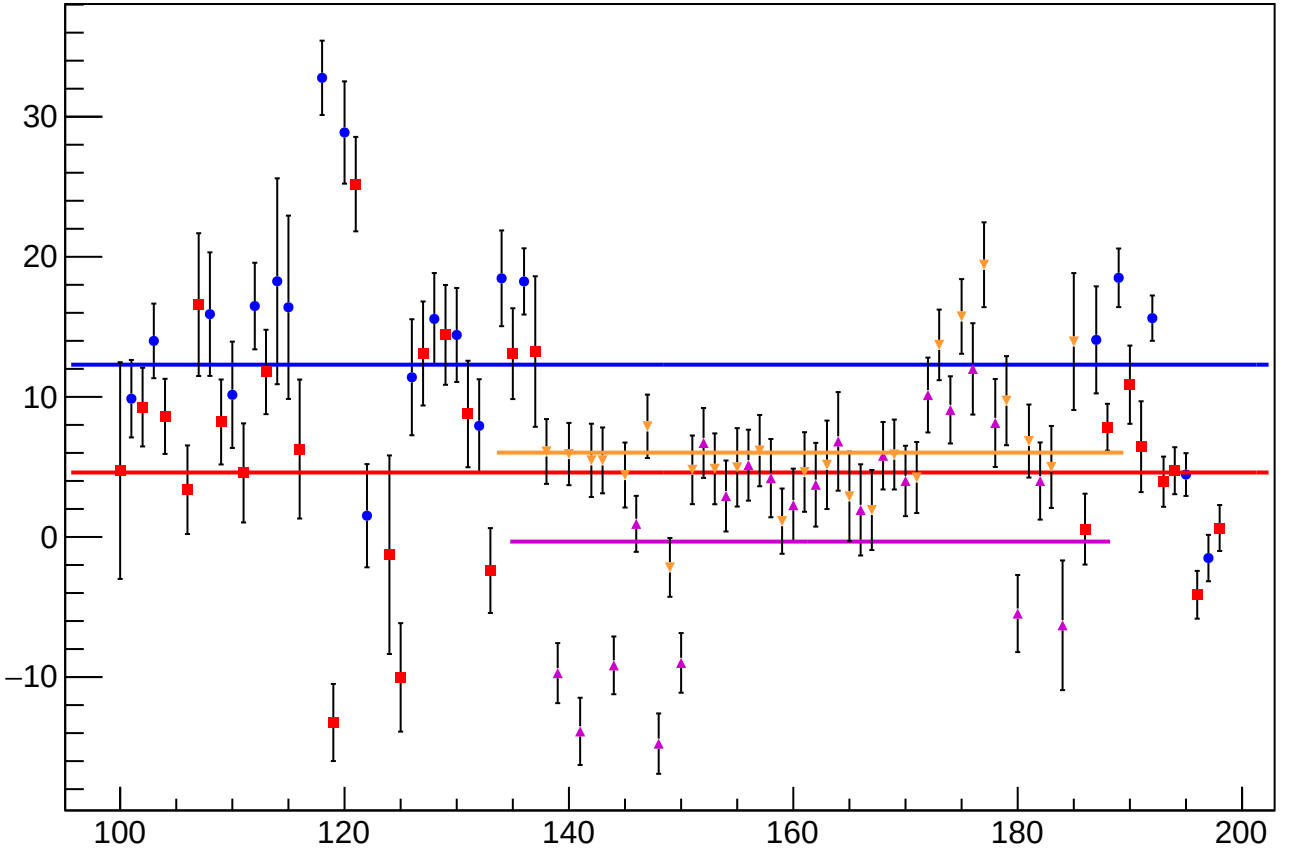
Right: 1938.914+/-0.288 χ^2/NDF: 1382767.7/47

In: 2091.981+/-0.281 χ^2/NDF:2044557.6/43

Out: 2085.557+/-0.265 χ^2/NDF:2116570.8/51

All: 2088.577+/-0.193 χ^2/NDF: 4161404.6/95

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 12.300+/-0.587 χ^2/NDF: 215.7/20

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: 4.604+/-0.524 χ^2/NDF: 184.7/26

Left In: -0.329+/-0.535 χ^2/NDF:224.9/22

Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

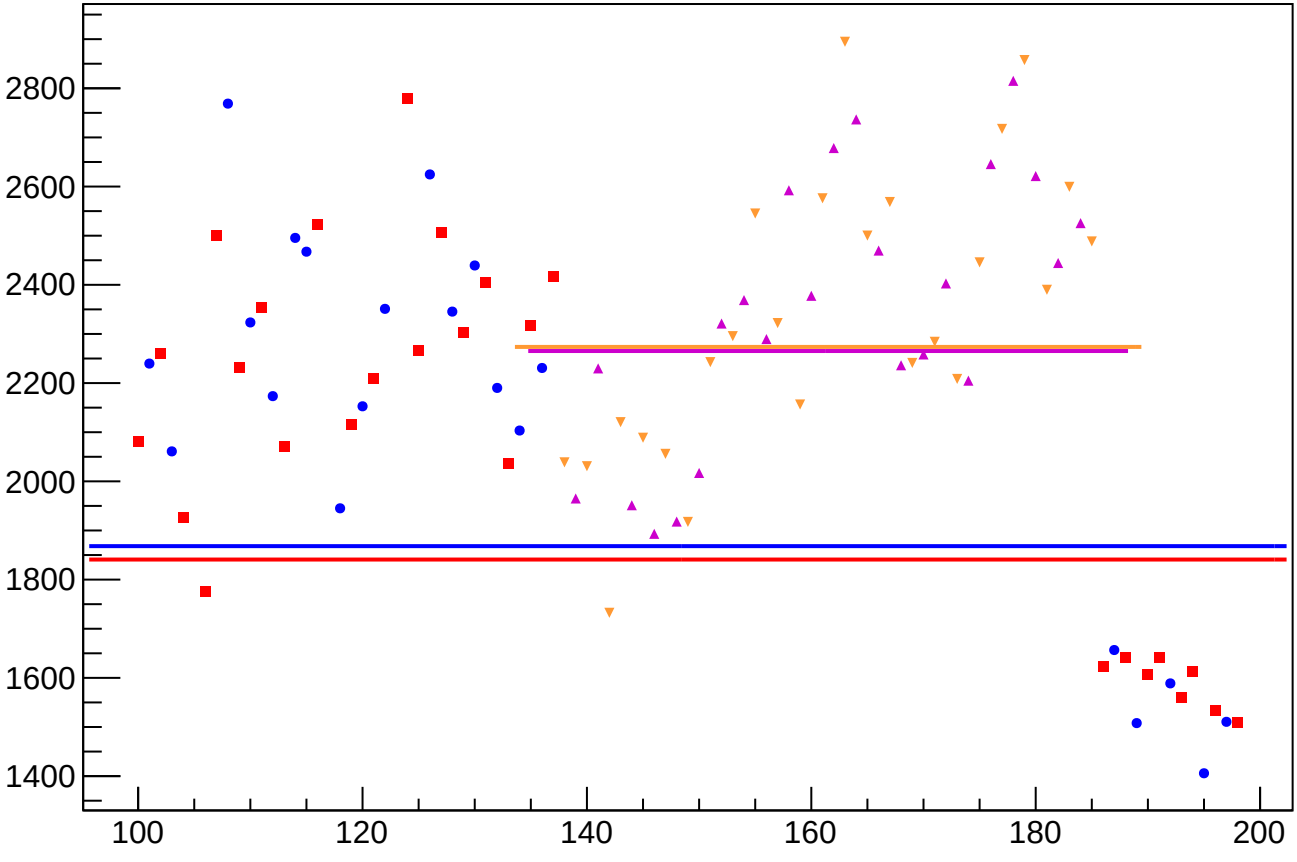
Right: 8.013+/-0.391 χ^2/NDF: 496.1/47

In: 5.393+/-0.395 χ^2/NDF:693.4/43

Out: 5.317+/-0.369 χ^2/NDF:260.2/51

All: 5.352+/-0.270 χ^2/NDF: 953.6/95

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 1868.119+/-0.415 χ^2/NDF: 902491.9/20

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1840.845+/-0.370 χ^2/NDF: 824614.3/26

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

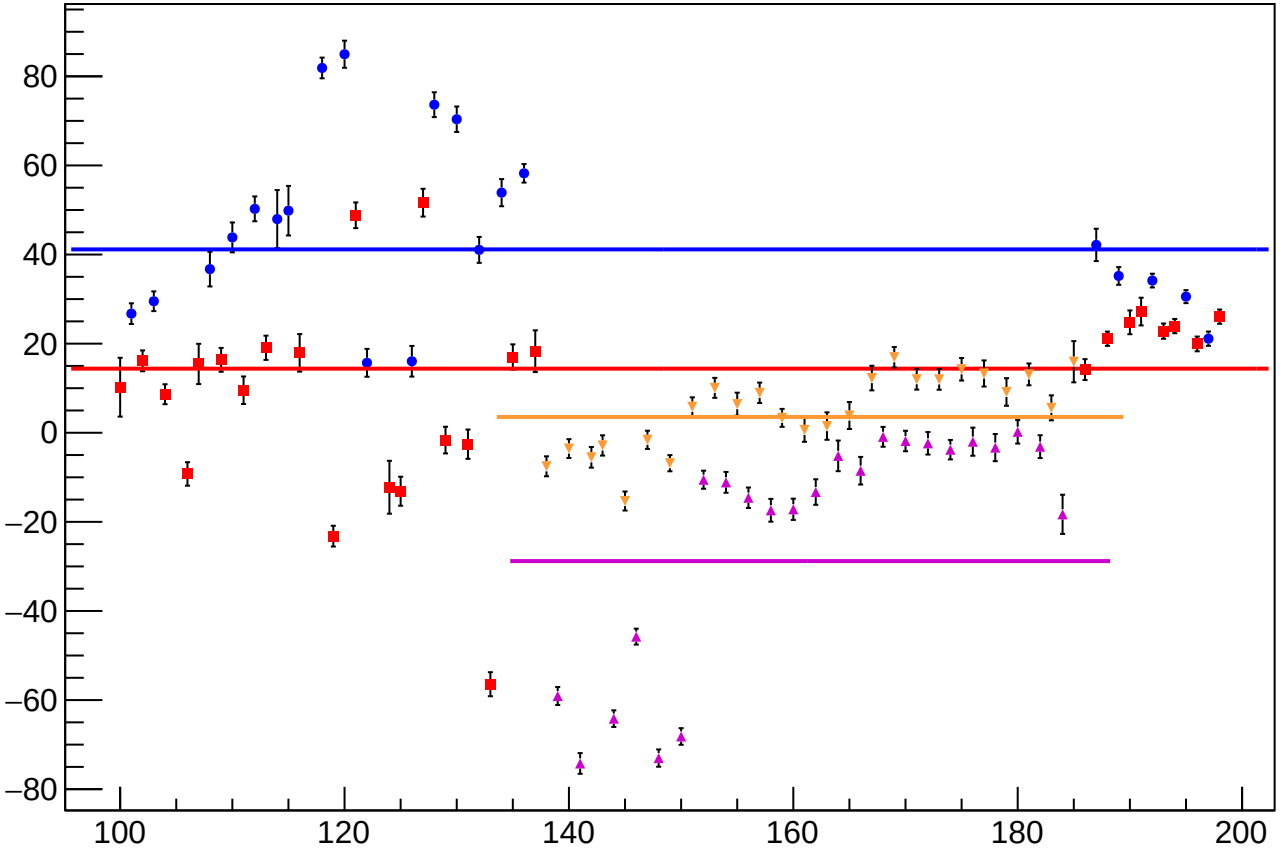
Right: 1852.928+/-0.276 χ^2/NDF: 1729508.6/47

In: 2085.308+/-0.280 χ^2/NDF:1898460.6/43

Out: 2058.449+/-0.261 χ^2/NDF:2048000.0/51

All: 2070.966+/-0.191 χ^2/NDF: 3951390.3/95

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 41.157+/-0.533 χ^2/NDF: 1280.8/20

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: 14.385+/-0.478 χ^2/NDF: 1651.5/26

Left In: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

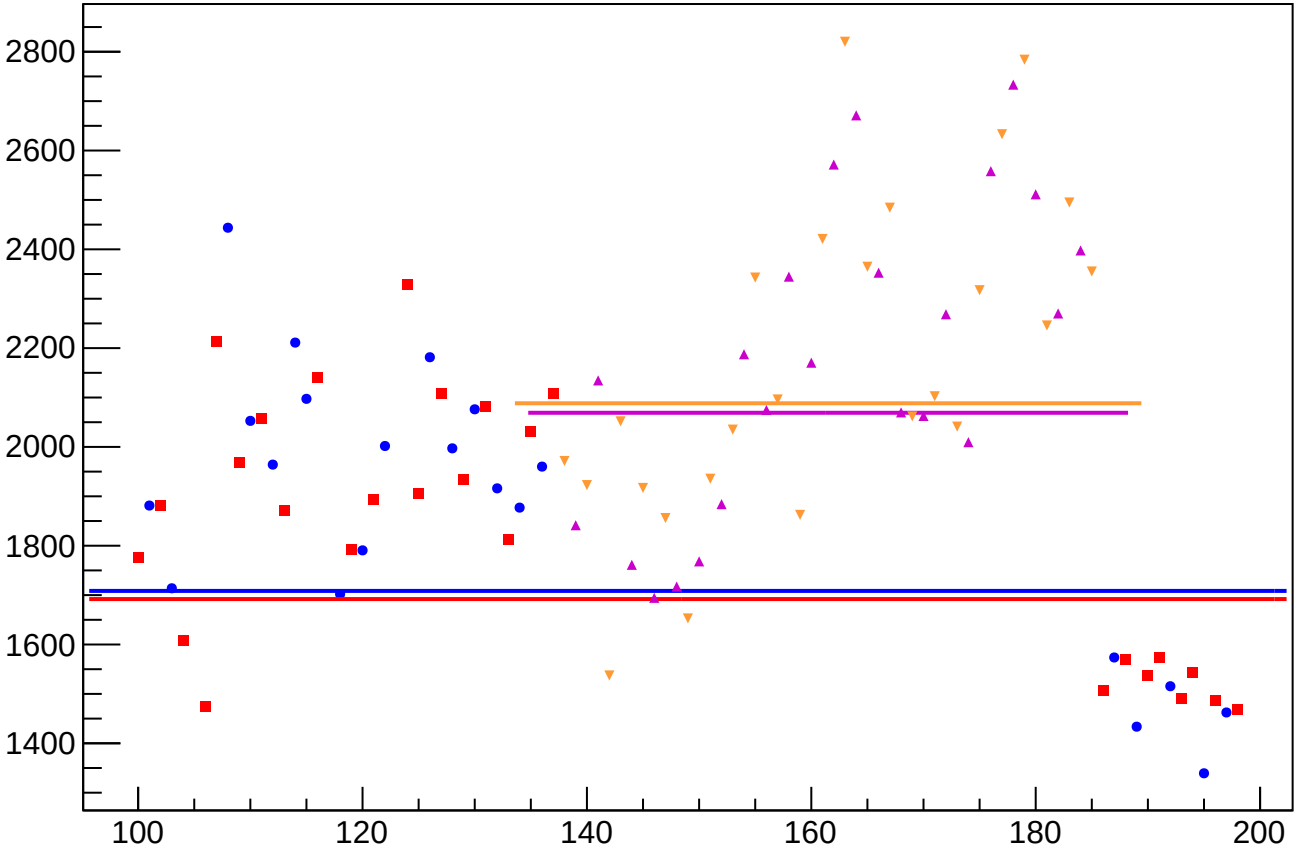
Right: 26.330+/-0.356 χ^2/NDF: 4331.7/47

In: 3.330+/-0.361 χ^2/NDF:13873.8/43

Out: 8.990+/-0.339 χ^2/NDF:2227.2/51

All: 6.338+/-0.247 χ^2/NDF: 16231.8/95

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1708.507+/-0.377 χ^2/NDF: 546872.9/20

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1691.997+/-0.338 χ^2/NDF: 456177.0/26

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

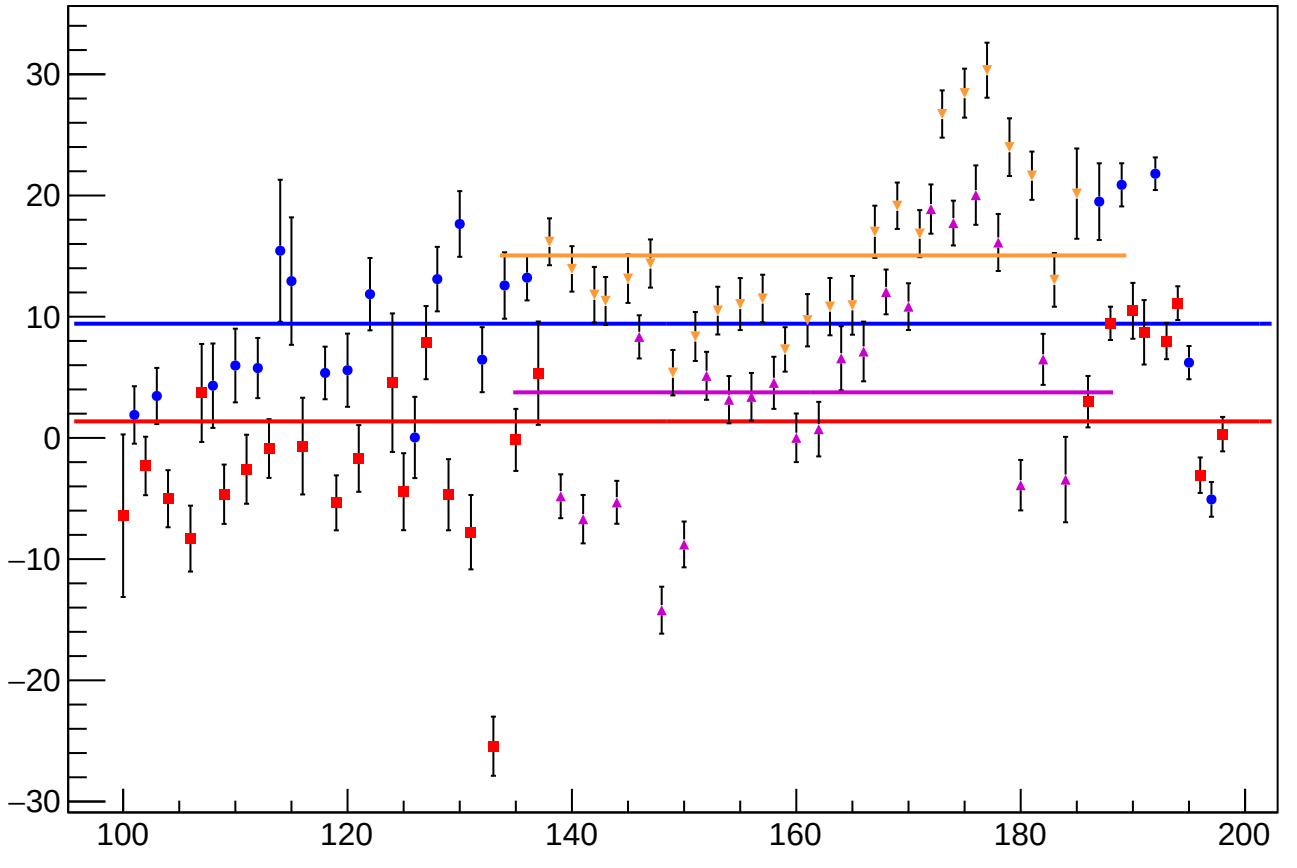
Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

Right: 1699.363+/-0.252 χ^2/NDF: 1004114.3/47

In: 1903.484+/-0.255 χ^2/NDF:1754166.8/43

Out: 1889.249+/-0.240 χ^2/NDF:1927860.9/51

All: 1895.917+/-0.175 χ^2/NDF: 3683681.4/95



Right In: 9.423+/-0.492 χ^2/NDF: 299.2/20

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: 1.364+/-0.436 χ^2/NDF: 323.2/26

Left In: 3.758+/-0.428 χ^2/NDF:459.1/22

Left: 9.570+/-0.298 χ^2/NDF: 1064.0/47

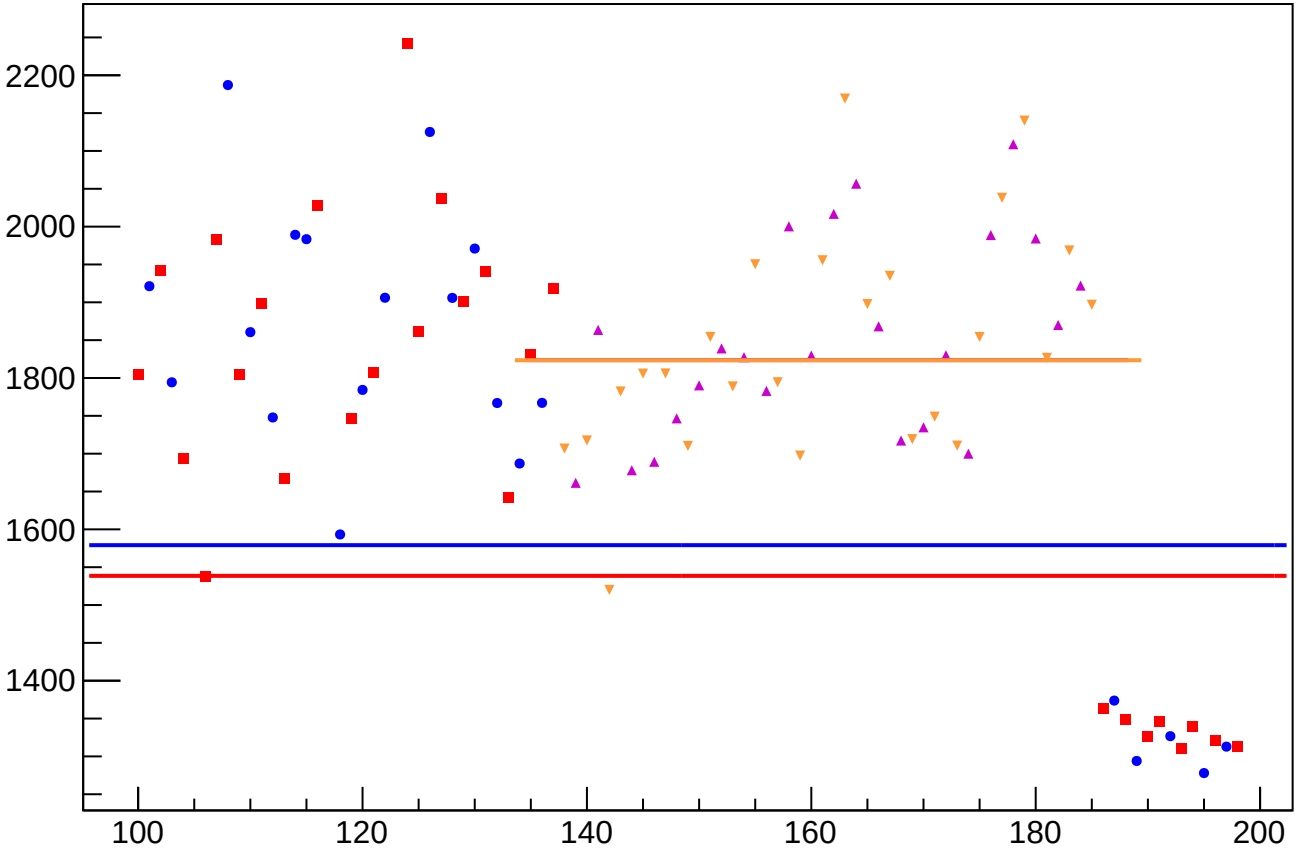
Right: 4.906+/-0.326 χ^2/NDF: 772.5/47

In: 6.196+/-0.323 χ^2/NDF:833.7/43

Out: 8.535+/-0.301 χ^2/NDF:1086.1/51

All: 7.448+/-0.220 χ^2/NDF: 1947.9/95

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1579.120+/-0.348 χ^2/NDF: 654940.5/20

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1538.549+/-0.308 χ^2/NDF: 696093.6/26

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

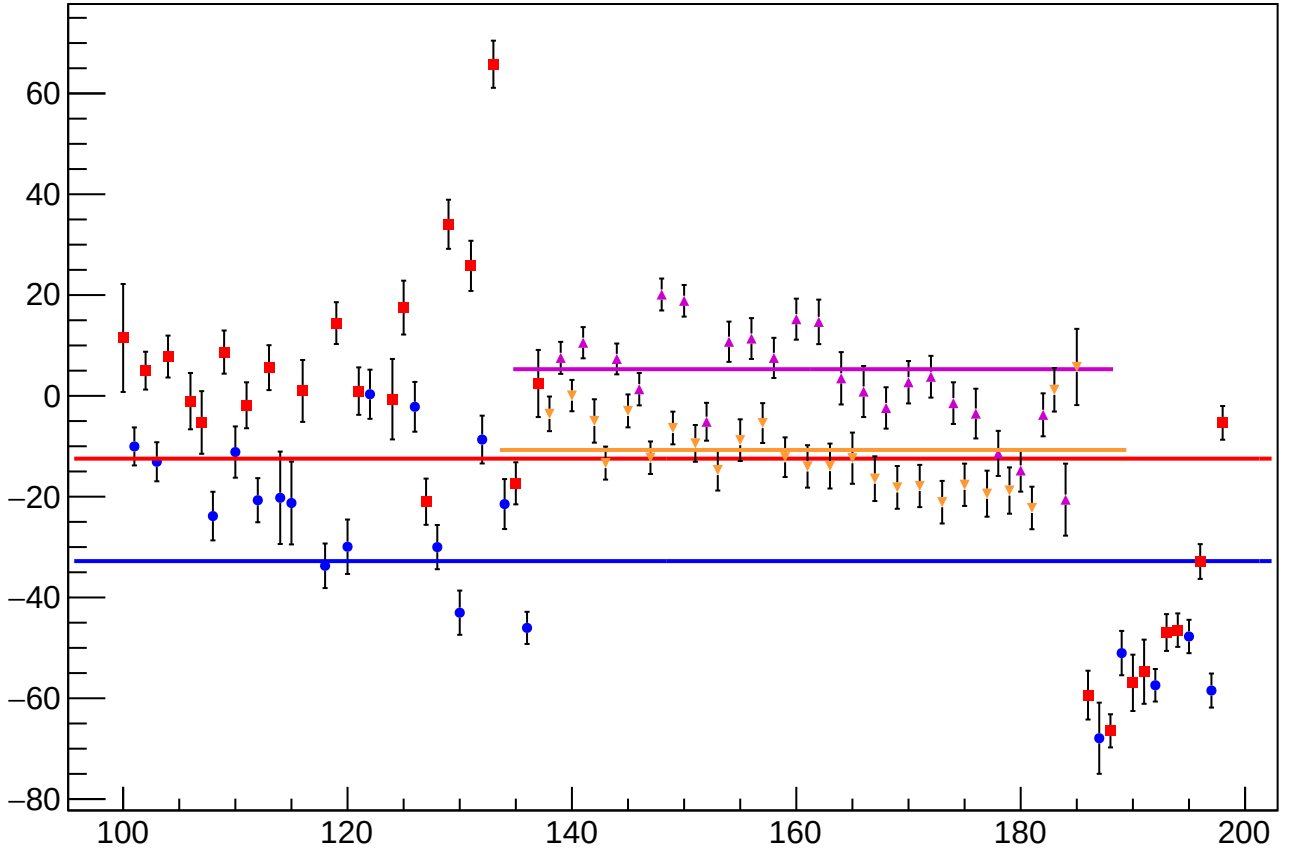
Right: 1556.381+/-0.231 χ^2/NDF: 1358649.1/47

In: 1718.411+/-0.228 χ^2/NDF:1099819.5/43

Out: 1687.762+/-0.213 χ^2/NDF:1354811.5/51

All: 1702.004+/-0.156 χ^2/NDF: 2464276.8/95

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -32.784+/-0.953 χ^2/NDF: 412.8/20

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: -12.453+/-0.872 χ^2/NDF: 1335.6/26

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

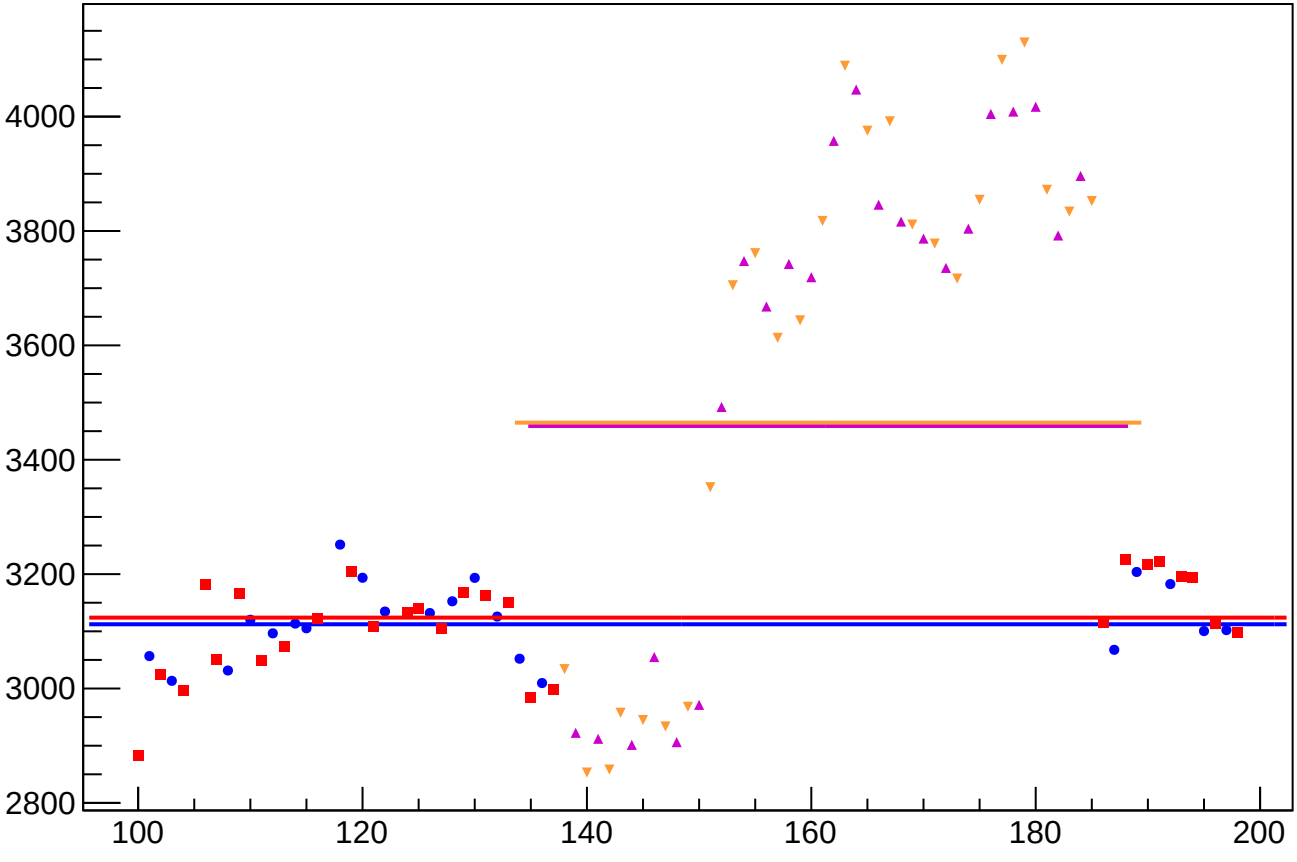
Right: -21.711+/-0.643 χ^2/NDF: 1996.1/47

In: -10.770+/-0.619 χ^2/NDF:1468.6/43

Out: -11.512+/-0.587 χ^2/NDF:1411.5/51

All: -11.161+/-0.426 χ^2/NDF: 2880.9/95

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3112.343+/-0.674 χ^2/NDF: 10026.1/20

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3123.950+/-0.616 χ^2/NDF: 14644.3/26

Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

Left: 3462.053+/-0.402 χ^2/NDF: 1227385.7/47

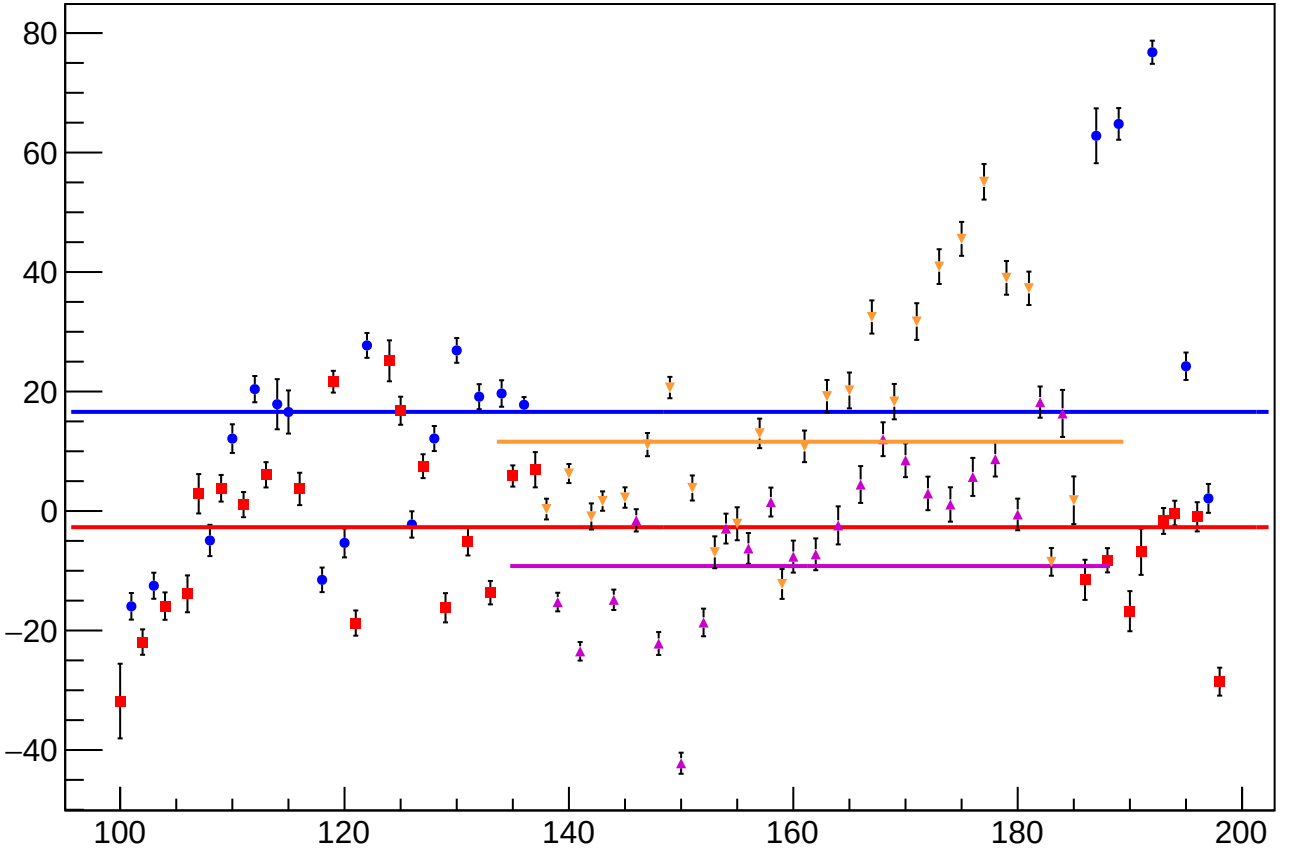
Right: 3118.665+/-0.455 χ^2/NDF: 24831.8/47

In: 3312.801+/-0.438 χ^2/NDF:746270.8/43

Out: 3310.336+/-0.415 χ^2/NDF:825937.0/51

All: 3311.502+/-0.301 χ^2/NDF: 1572224.5/95

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 16.594+/-0.486 χ^2/NDF: 2313.1/20

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: -2.704+/-0.457 χ^2/NDF: 838.5/26

Left In: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

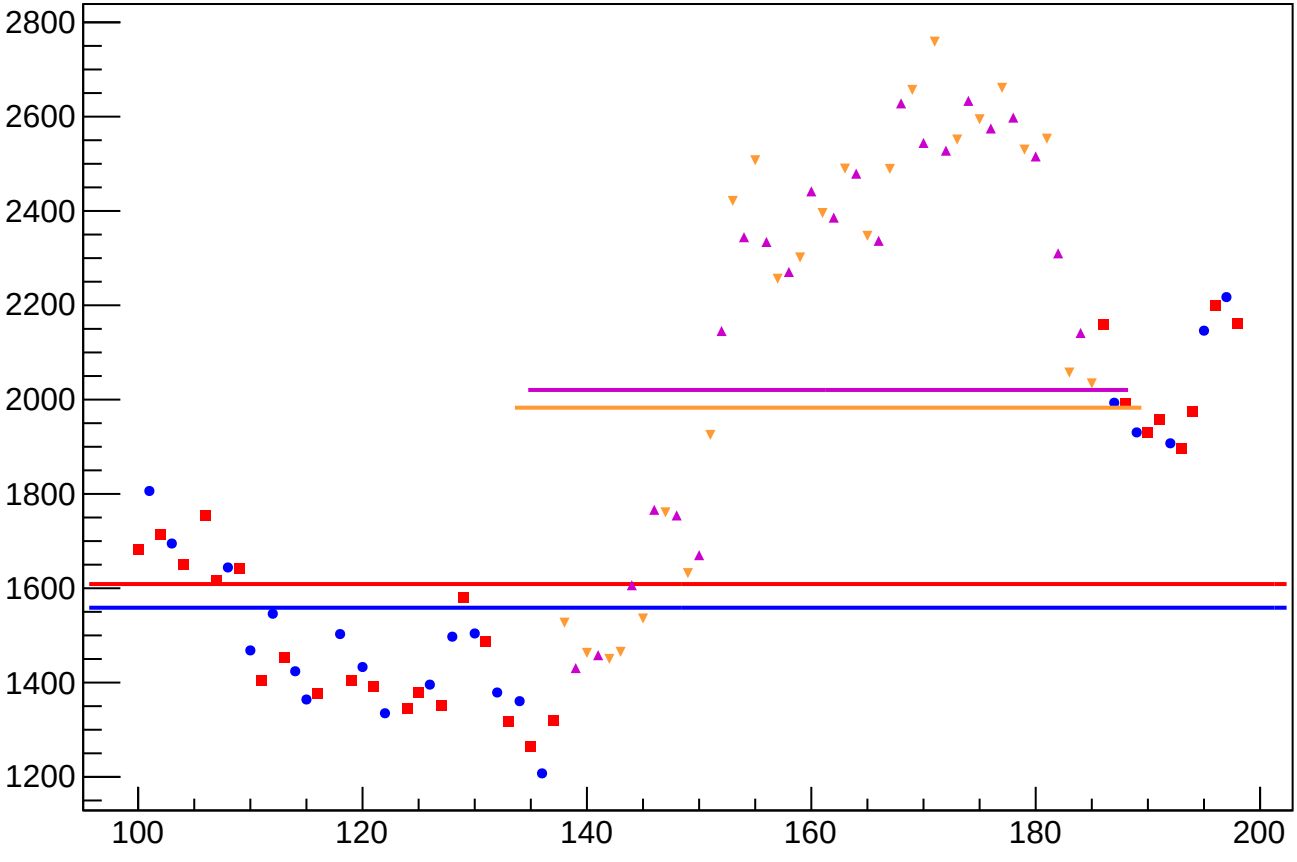
Right: 6.344+/-0.333 χ^2/NDF: 3988.4/47

In: 3.627+/-0.343 χ^2/NDF:4669.3/43

Out: 4.345+/-0.325 χ^2/NDF:2518.6/51

All: 4.005+/-0.236 χ^2/NDF: 7190.2/95

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1558.726+/-0.344 χ^2/NDF: 671503.8/20

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1608.928+/-0.323 χ^2/NDF: 797281.4/26

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

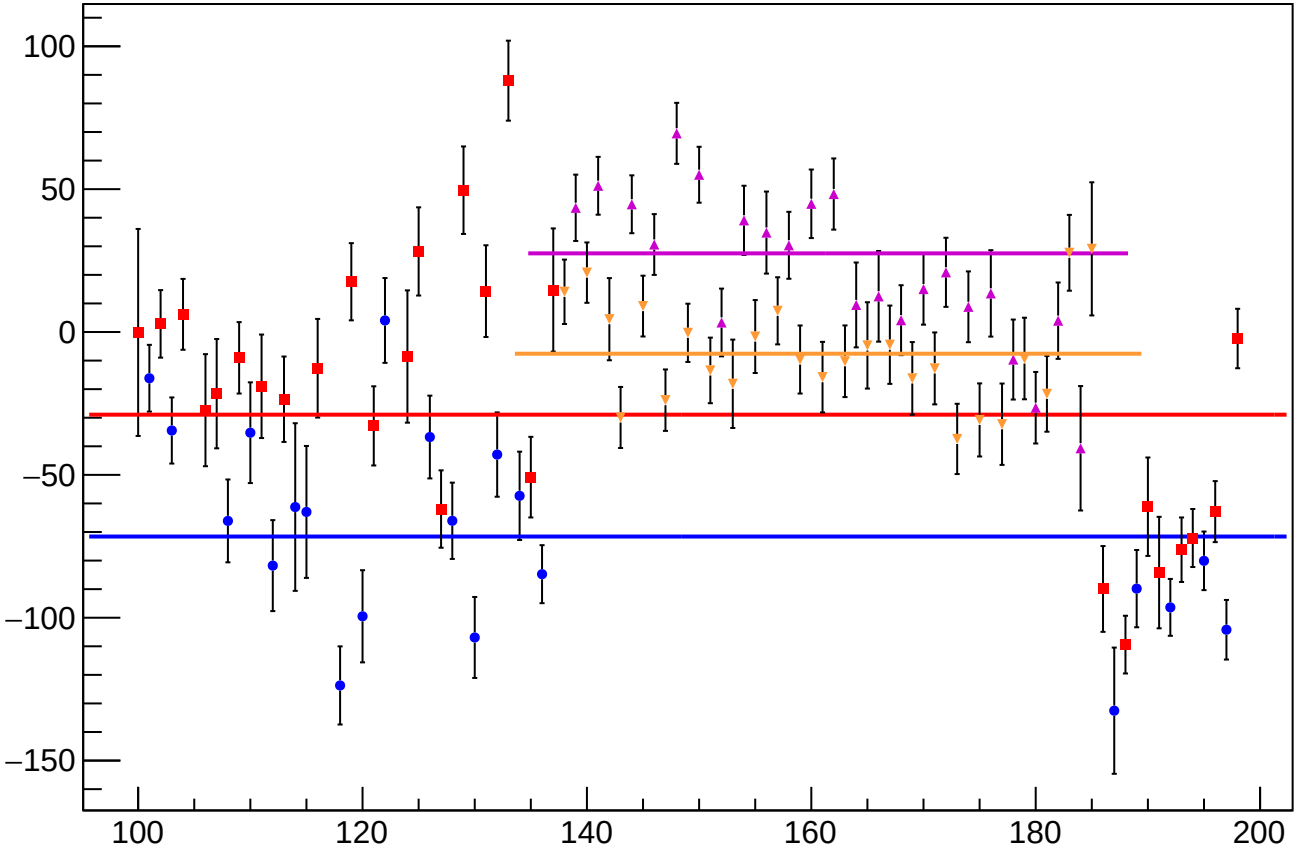
Right: 1585.389+/-0.235 χ^2/NDF: 1480110.7/47

In: 1790.728+/-0.242 χ^2/NDF:3192587.9/43

Out: 1793.220+/-0.230 χ^2/NDF:3435414.2/51

All: 1792.040+/-0.167 χ^2/NDF: 6628057.7/95

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -71.583+/-2.966 χ^2/NDF: 125.9/20

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: -28.930+/-2.717 χ^2/NDF: 305.9/26

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

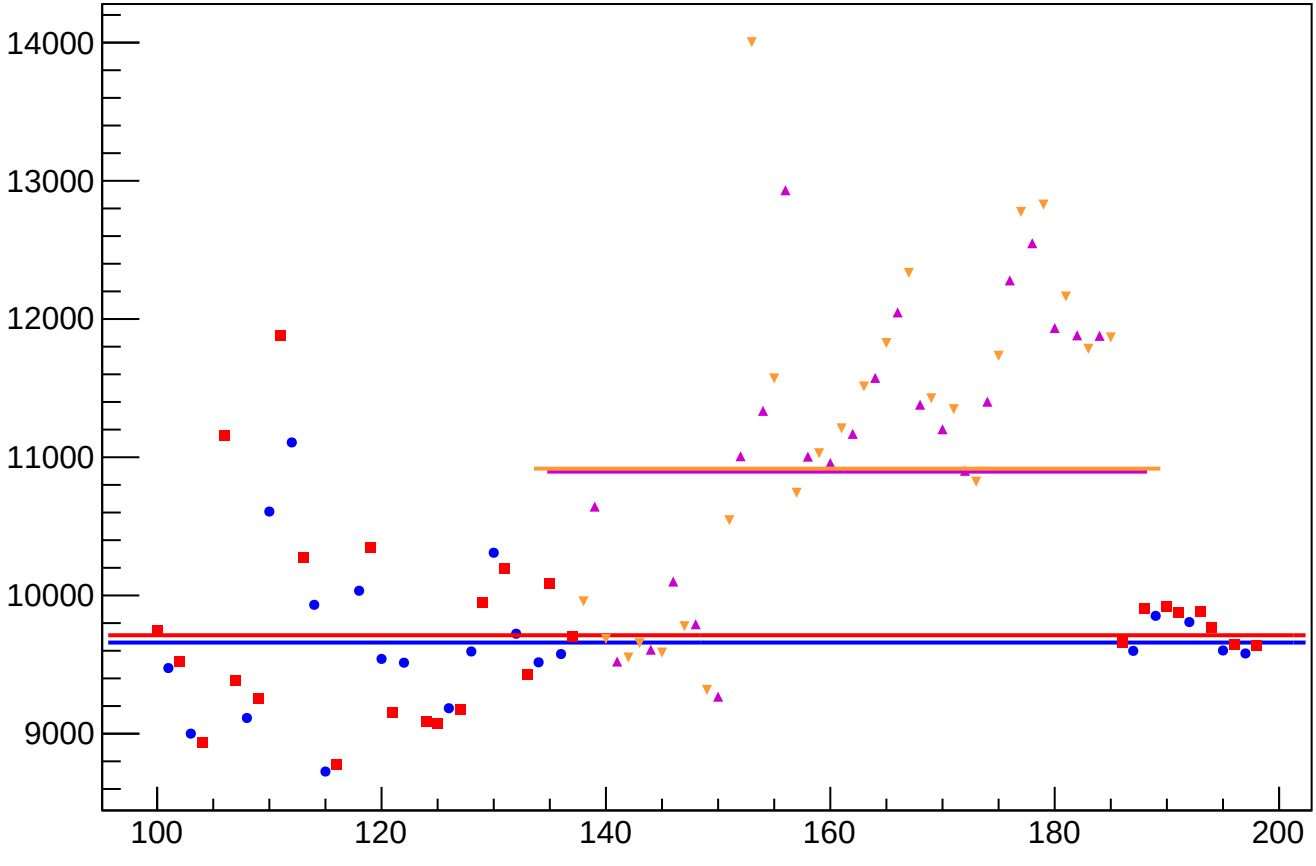
Right: -48.389+/-2.004 χ^2/NDF: 544.2/47

In: -14.711+/-1.937 χ^2/NDF:859.5/43

Out: -17.354+/-1.838 χ^2/NDF:387.2/51

All: -16.102+/-1.333 χ^2/NDF: 1247.7/95

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9659.363+/-2.098 χ^2/NDF: 45179.3/20

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9712.157+/-1.921 χ^2/NDF: 82076.6/26

Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

Left: 10907.115+/-1.263 χ^2/NDF: 723974.2/47

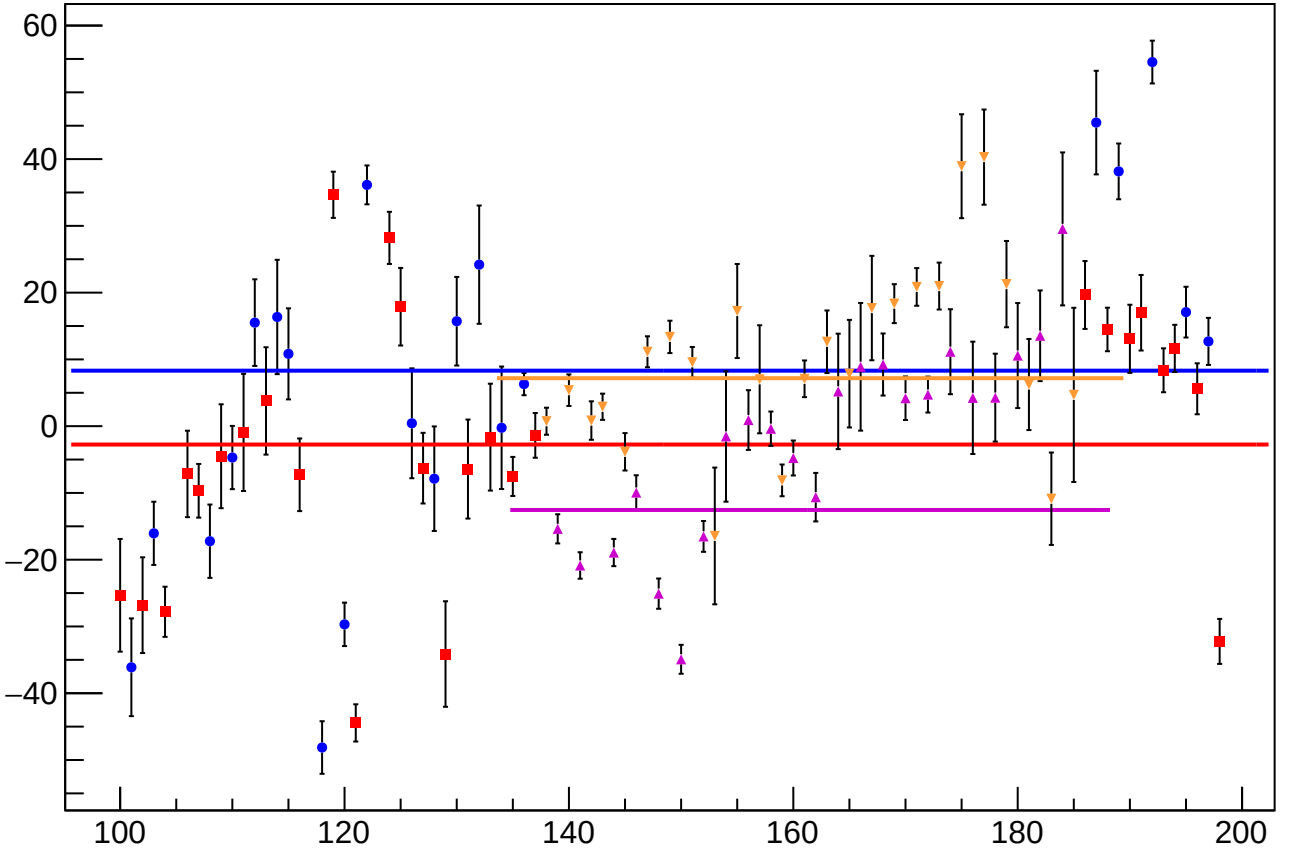
Right: 9688.071+/-1.417 χ^2/NDF: 127600.4/47

In: 10368.965+/-1.369 χ^2/NDF:542681.4/43

Out: 10366.209+/-1.299 χ^2/NDF:721520.8/51

All: 10367.515+/-0.943 χ^2/NDF: 1264204.3/9

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 8.312+/-0.899 χ^2/NDF: 829.2/20

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: -2.750+/-0.845 χ^2/NDF: 681.4/26

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

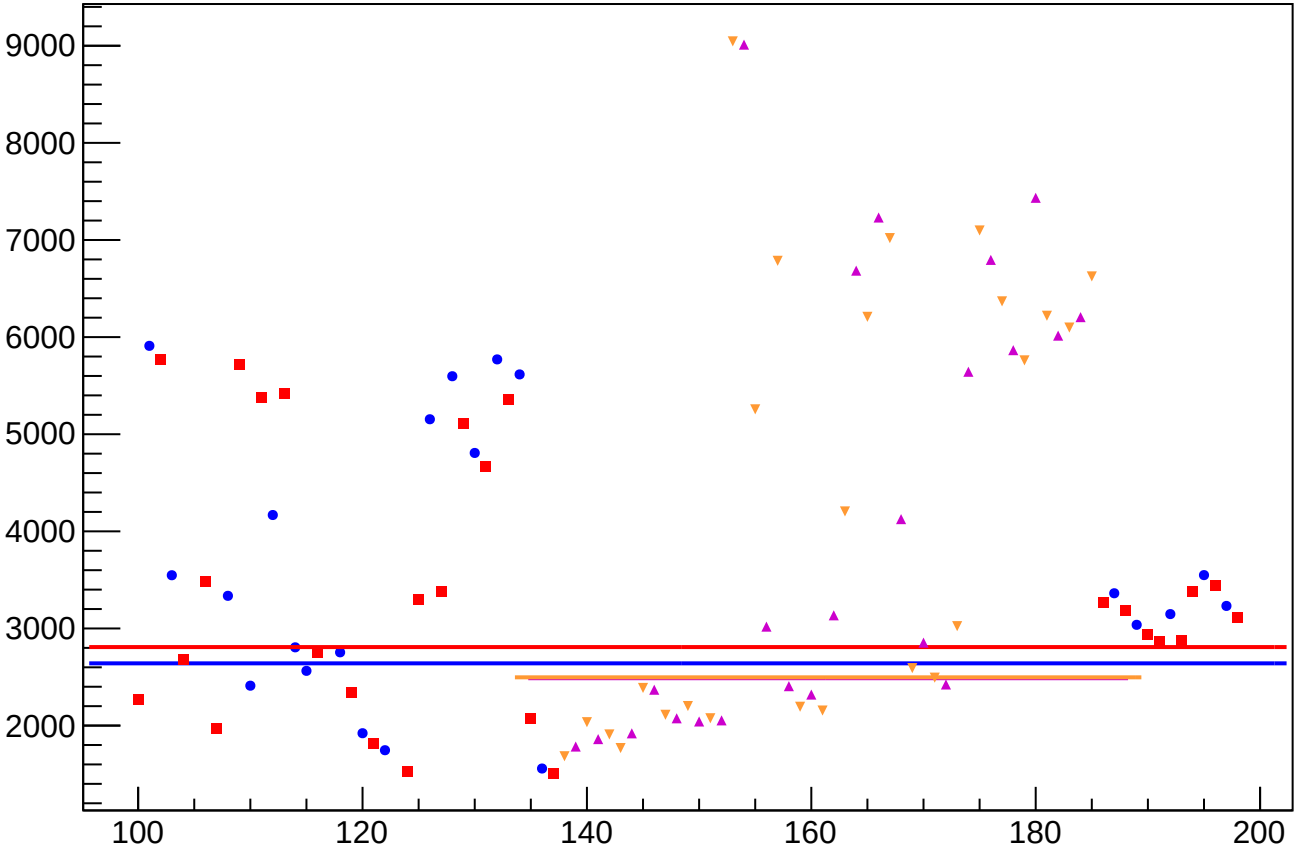
Right: 2.439+/-0.616 χ^2/NDF: 1591.0/47

In: -5.242+/-0.532 χ^2/NDF:1551.0/43

Out: 3.468+/-0.517 χ^2/NDF:969.6/51

All: -0.760+/-0.371 χ^2/NDF: 2658.3/95

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2640.856+/-0.636 χ^2/NDF: 3154371.4/20

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2808.407+/-0.598 χ^2/NDF: 2761253.4/26

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

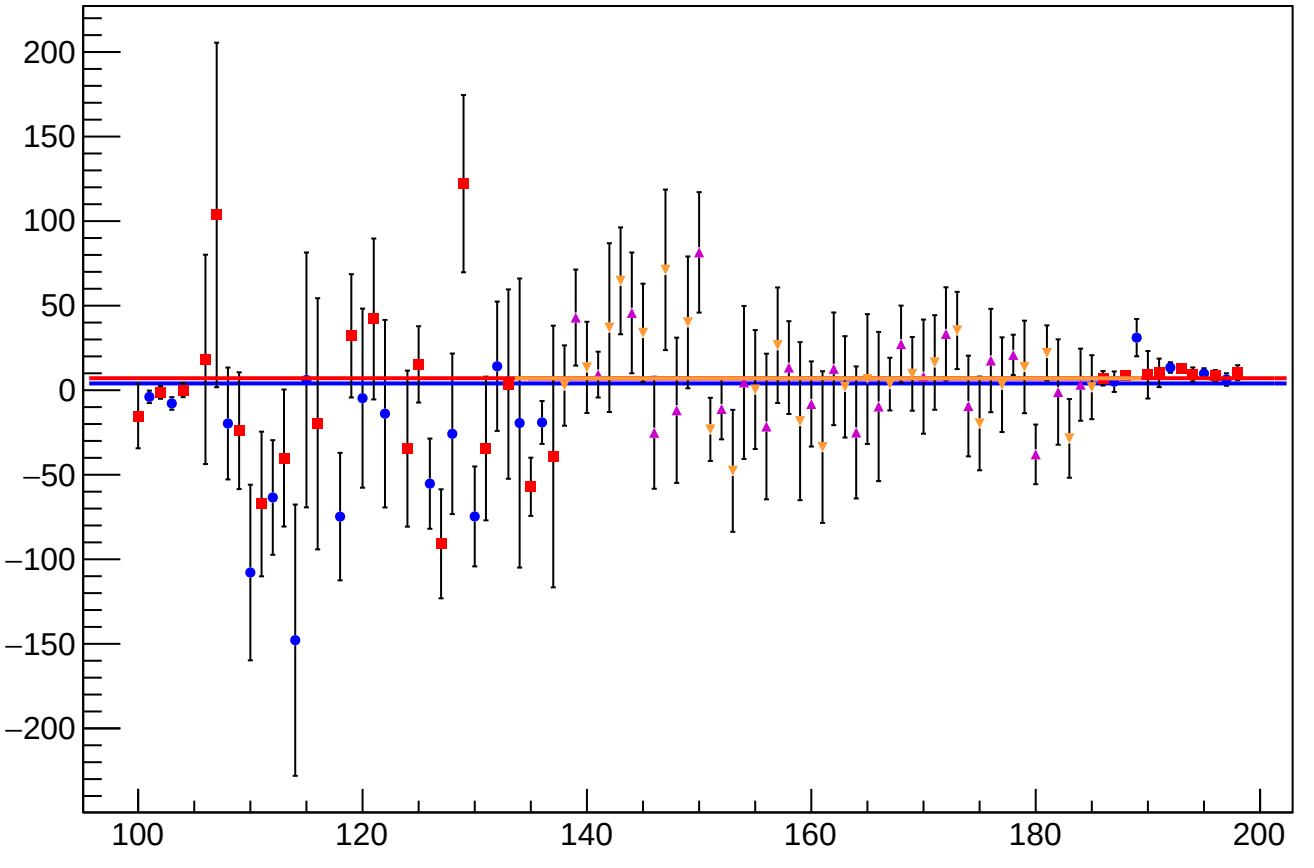
Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

Right: 2729.808+/-0.436 χ^2/NDF: 5952476.6/47

In: 2541.379+/-0.376 χ^2/NDF:9295504.2/43

Out: 2613.378+/-0.366 χ^2/NDF:10137138.1/51

All: 2578.426+/-0.262 χ^2/NDF: 19451465.0/9



Right In: 4.003+/-1.455 χ^2/NDF: 66.8/20

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: 7.086+/-1.225 χ^2/NDF: 52.6/26

Left In: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

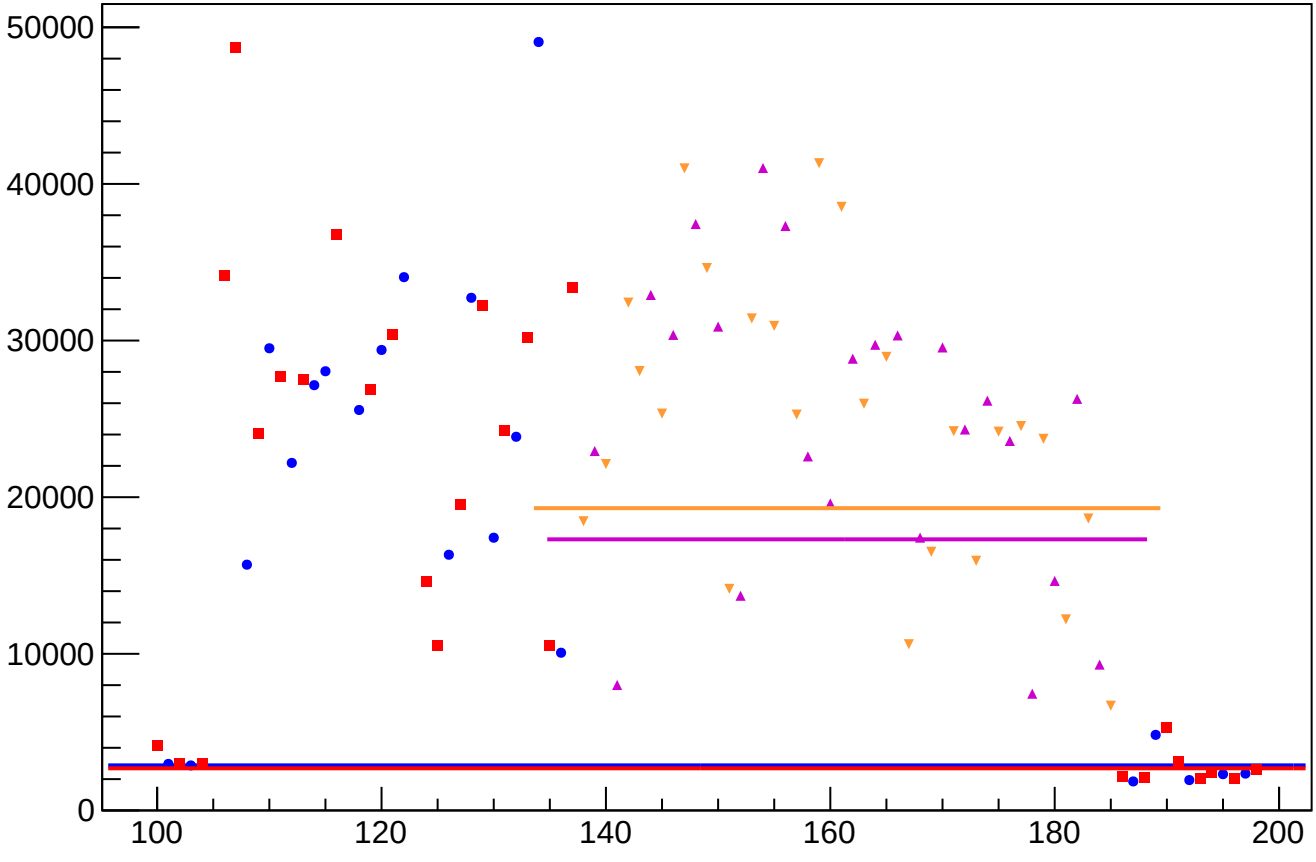
Right: 5.807+/-0.937 χ^2/NDF: 121.9/47

In: 4.225+/-1.399 χ^2/NDF:88.2/43

Out: 7.085+/-1.193 χ^2/NDF:72.1/51

All: 5.881+/-0.908 χ^2/NDF: 162.7/95

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 2877.090+/-1.029 χ^2/NDF: 7756073.6/20

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2690.839+/-0.866 χ^2/NDF: 8796201.7/26

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

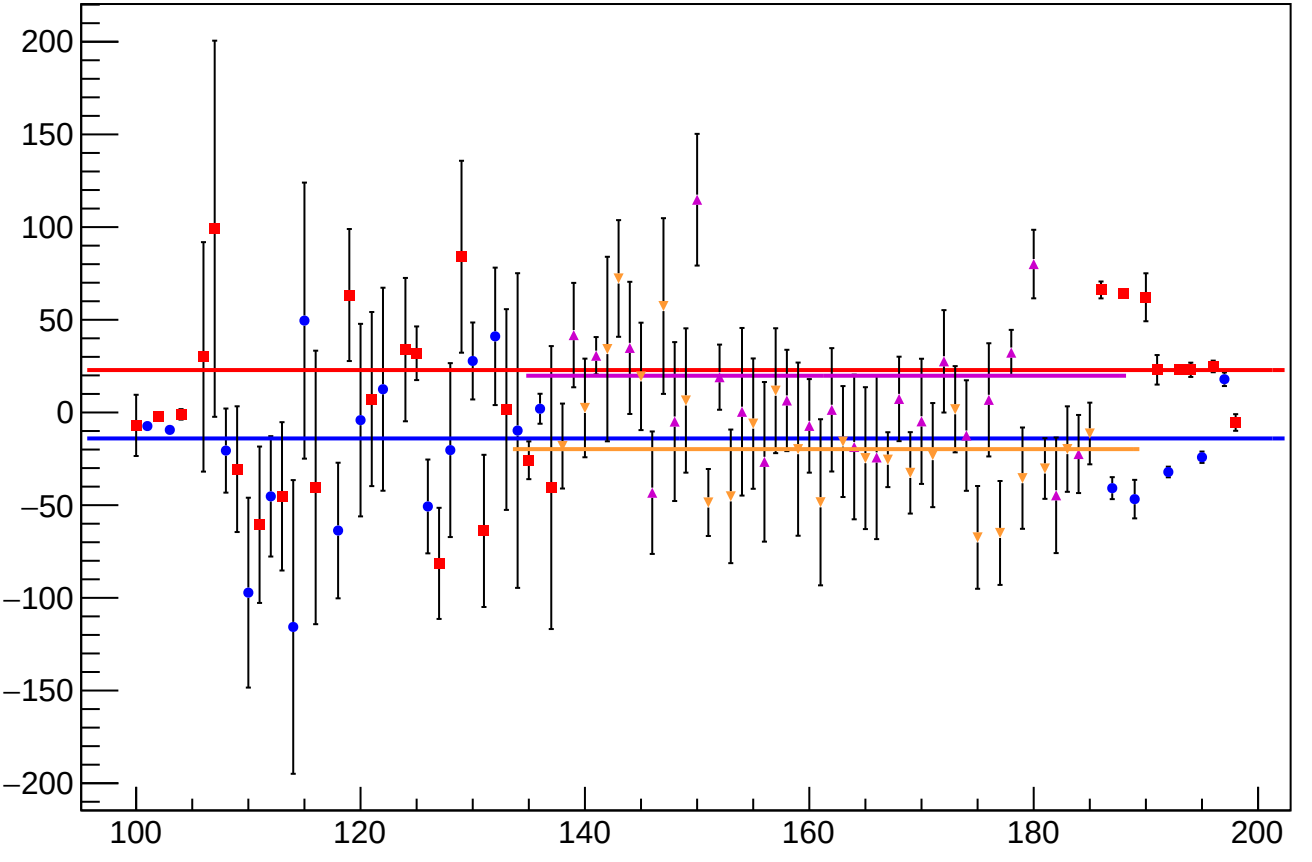
Right: 2768.133+/-0.663 χ^2/NDF: 16571454.3/47

In: 3966.699+/-0.989 χ^2/NDF:29337845.9/43

Out: 3555.742+/-0.844 χ^2/NDF:32970396.9/51

All: 3728.791+/-0.642 χ^2/NDF: 62408189.9/9

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -14.007+/-1.216 χ^2/NDF: 186.7/20

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: 22.882+/-1.064 χ^2/NDF: 627.4/26

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

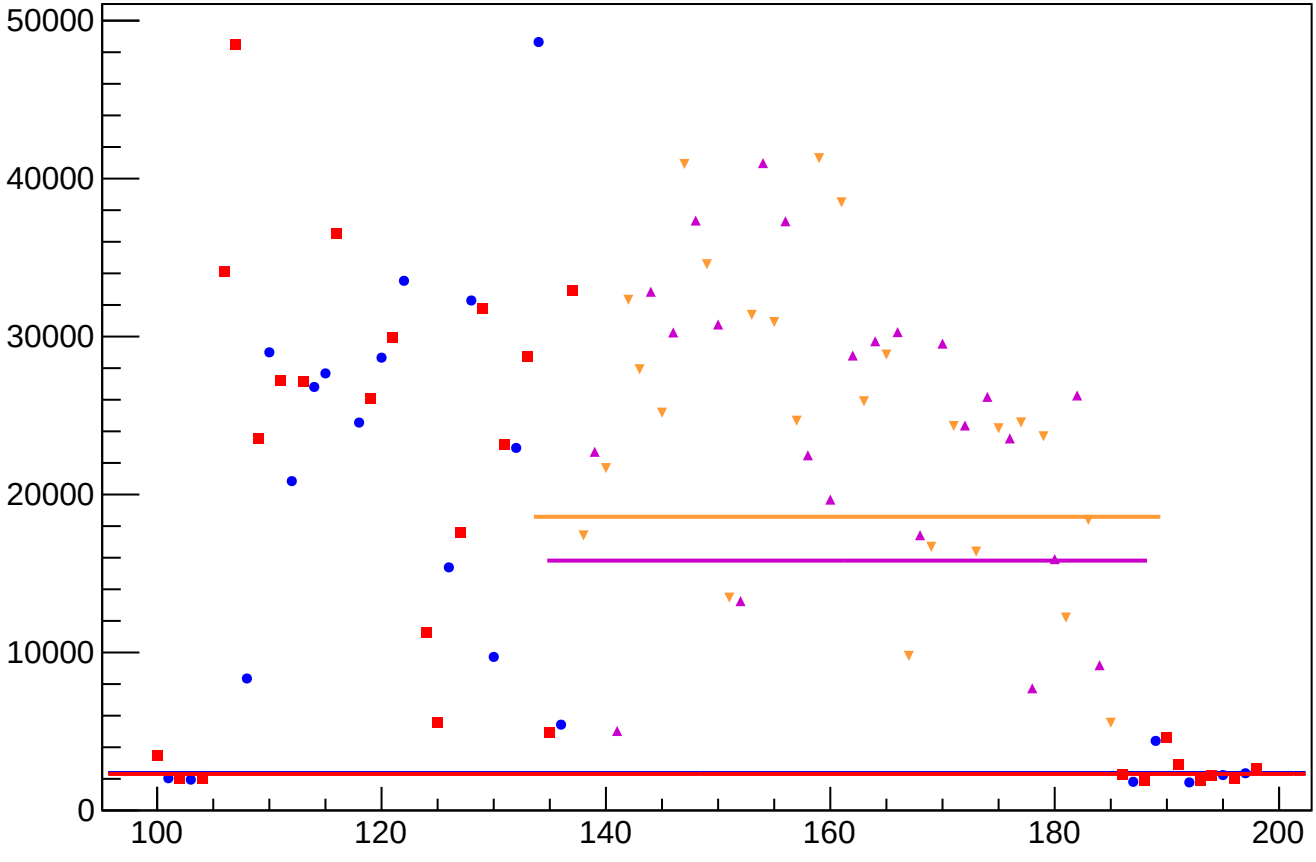
Right: 6.876+/-0.801 χ^2/NDF: 1335.3/47

In: -12.003+/-1.179 χ^2/NDF:272.9/43

Out: 21.113+/-1.042 χ^2/NDF:721.8/51

All: 6.592+/-0.781 χ^2/NDF: 1437.5/95

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2373.822+/-0.860 χ^2/NDF: 7009271.5/20

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2311.772+/-0.753 χ^2/NDF: 8312424.9/26

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

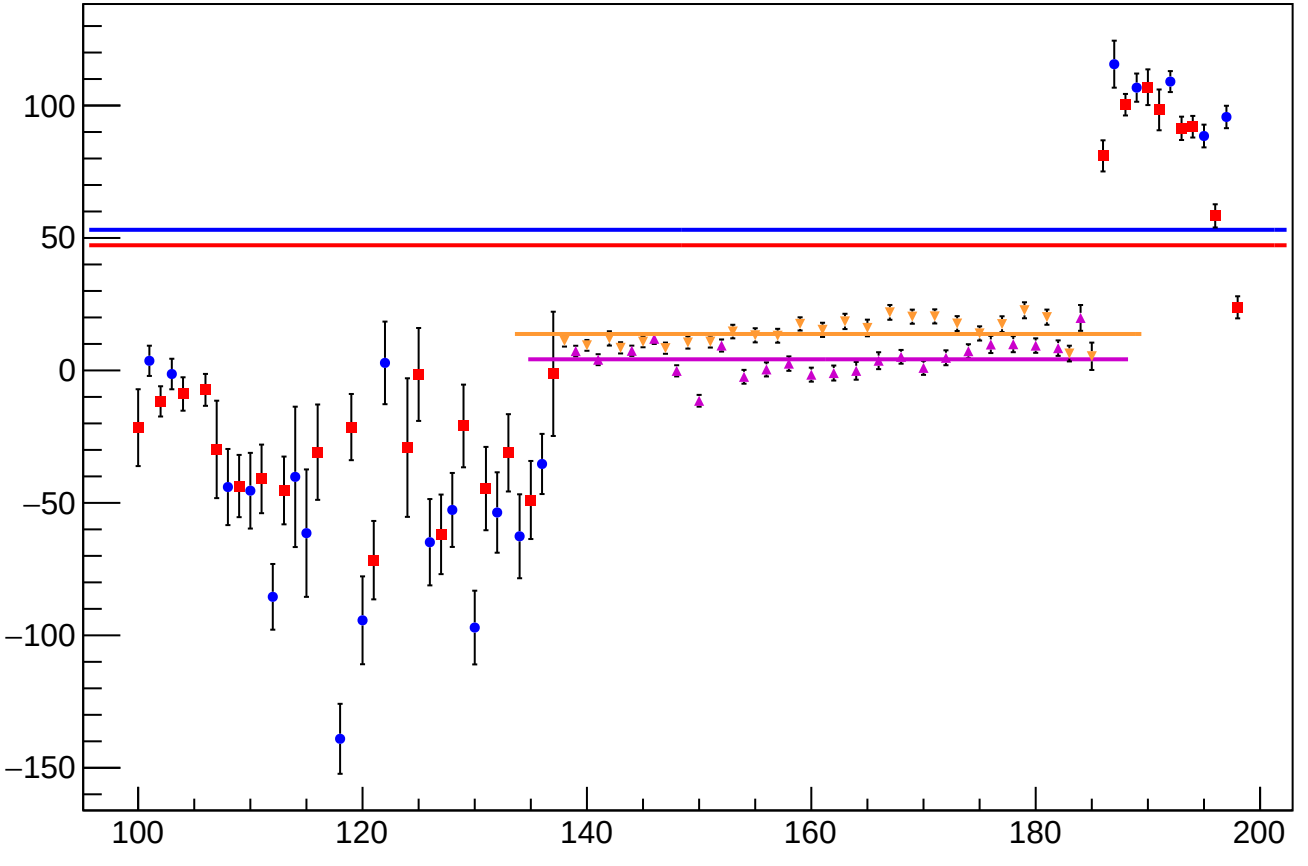
Right: 2338.695+/-0.566 χ^2/NDF: 15324645.4/47

In: 3170.080+/-0.834 χ^2/NDF:29899455.2/43

Out: 2986.944+/-0.737 χ^2/NDF:33411794.0/51

All: 3067.246+/-0.552 χ^2/NDF: 63338333.7/9

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: 53.086+/-1.701 χ^2/NDF: 1628.1/20

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: 47.248+/-1.411 χ^2/NDF: 1362.5/26

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

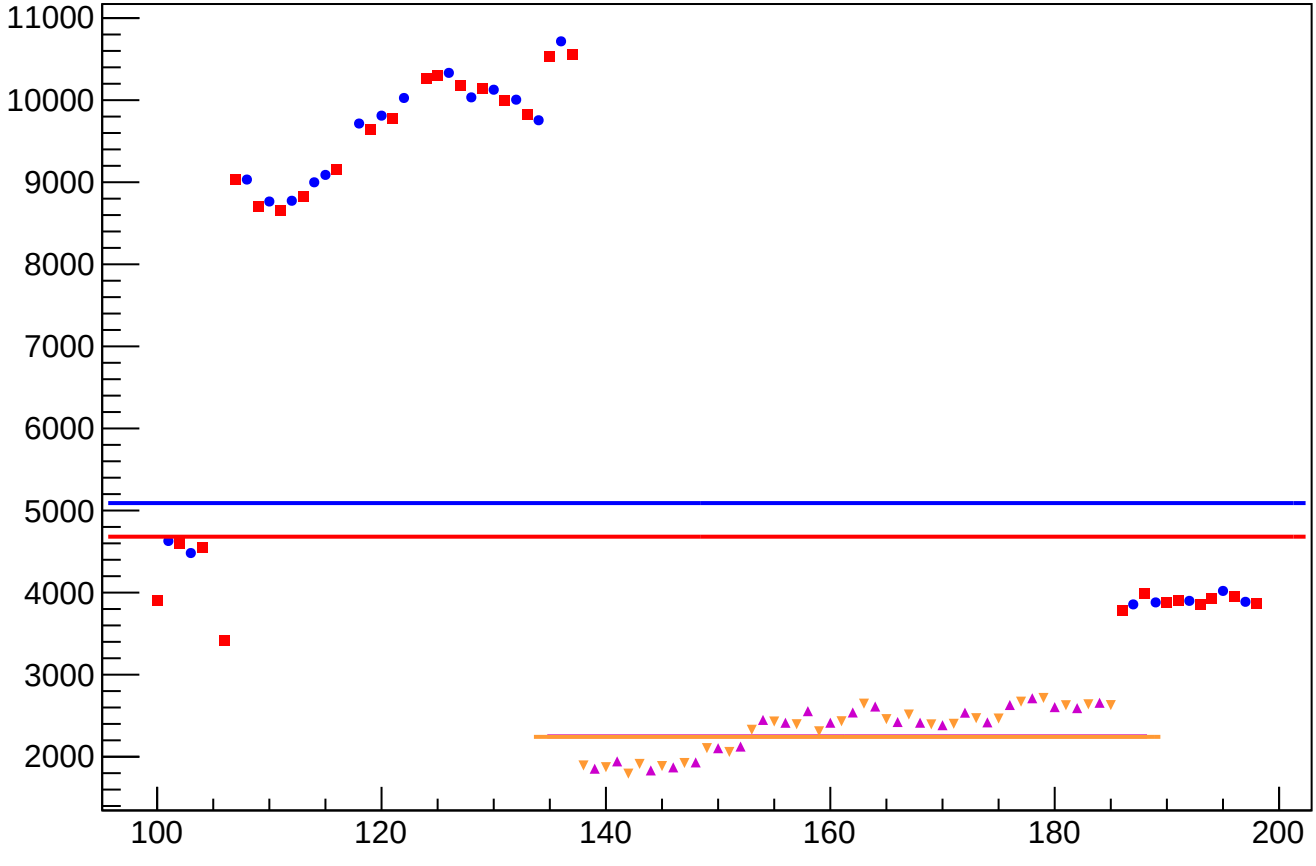
Right: 49.627+/-1.086 χ^2/NDF: 2997.6/47

In: 8.530+/-0.506 χ^2/NDF:2505.1/43

Out: 17.686+/-0.483 χ^2/NDF:1937.3/51

All: 13.322+/-0.349 χ^2/NDF: 4613.7/95

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 5090.676+/-1.203 χ^2/NDF: 3403831.3/20

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4681.285+/-0.997 χ^2/NDF: 3668382.6/26

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

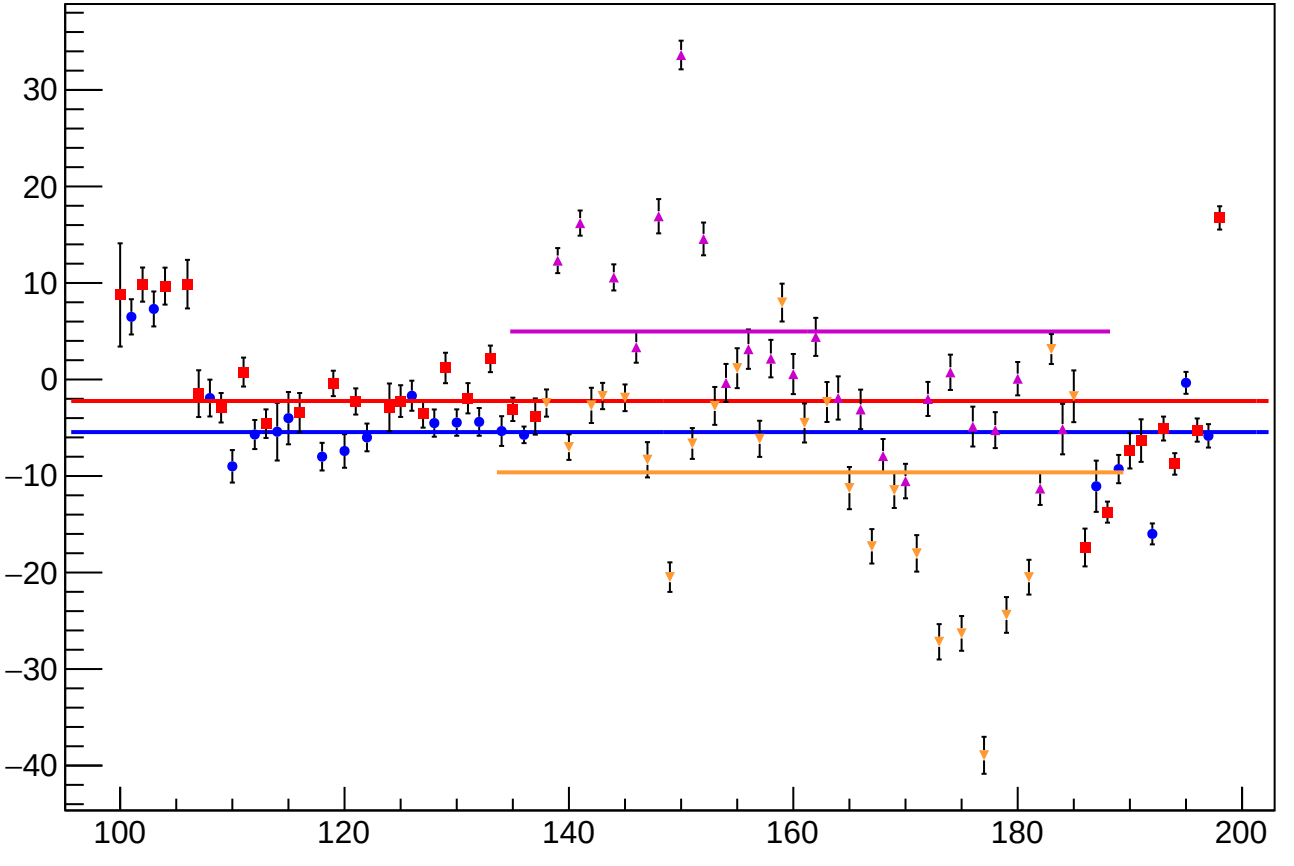
Right: 4848.134+/-0.768 χ^2/NDF: 7140871.0/47

In: 2500.215+/-0.358 χ^2/NDF:9136771.2/43

Out: 2528.217+/-0.341 χ^2/NDF:9604458.8/51

All: 2514.870+/-0.247 χ^2/NDF: 18744434.8/9

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -5.449+/-0.319 χ^2/NDF: 238.5/20

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: -2.228+/-0.296 χ^2/NDF: 614.1/26

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

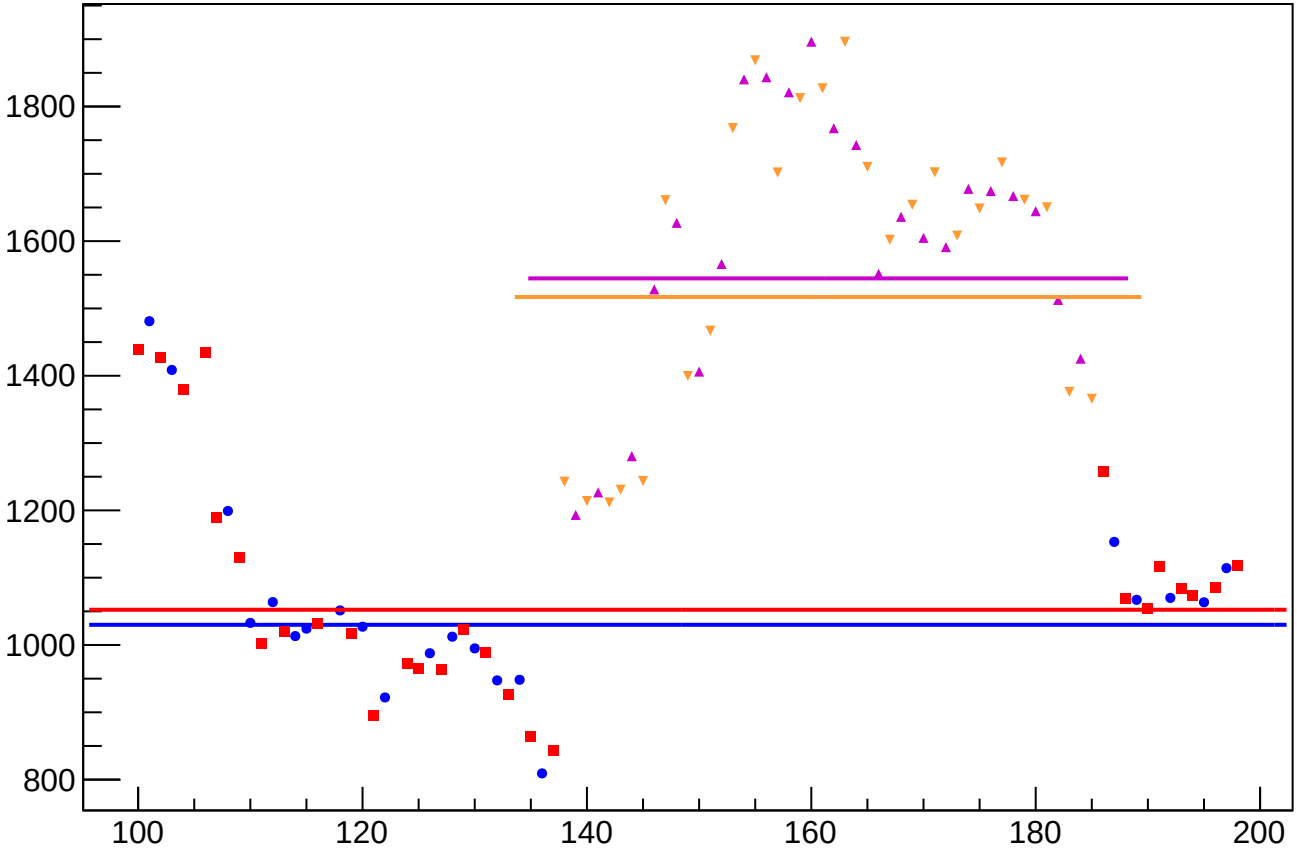
Right: -3.720+/-0.217 χ^2/NDF: 907.4/47

In: -0.935+/-0.240 χ^2/NDF:1631.6/43

Out: -5.321+/-0.226 χ^2/NDF:1809.3/51

All: -3.261+/-0.164 χ^2/NDF: 3618.1/95

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1030.011+/-0.225 χ^2/NDF: 405156.3/20

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1052.370+/-0.209 χ^2/NDF: 389843.7/26

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

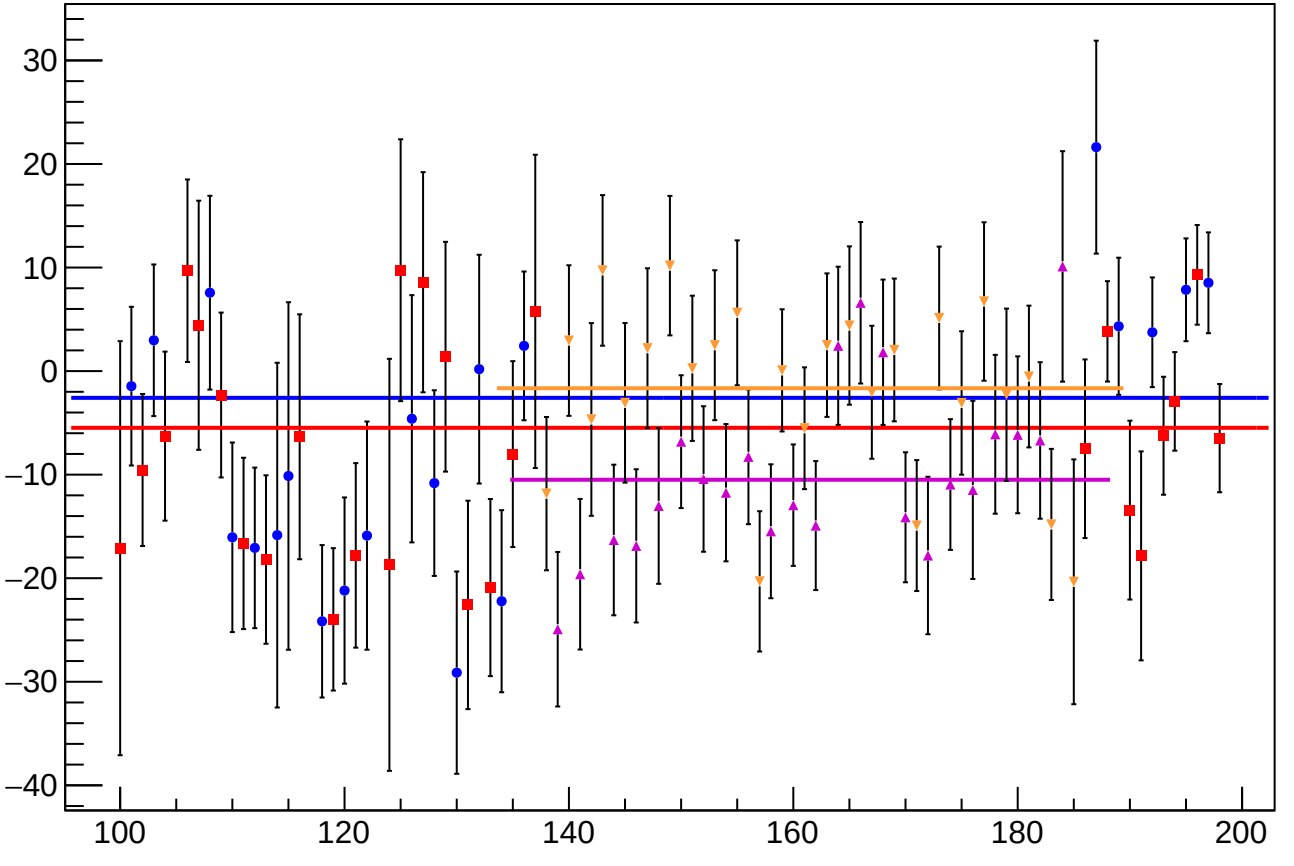
Right: 1042.015+/-0.153 χ^2/NDF: 800284.7/47

In: 1252.890+/-0.170 χ^2/NDF:3302320.5/43

Out: 1246.715+/-0.160 χ^2/NDF:3283797.1/51

All: 1249.615+/-0.116 χ^2/NDF: 6586820.2/95

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -2.583+/-1.707 χ^2/NDF: 54.1/20

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: -5.477+/-1.504 χ^2/NDF: 44.5/26

Left In: -10.492+/-1.480 χ^2/NDF:24.9/22

Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

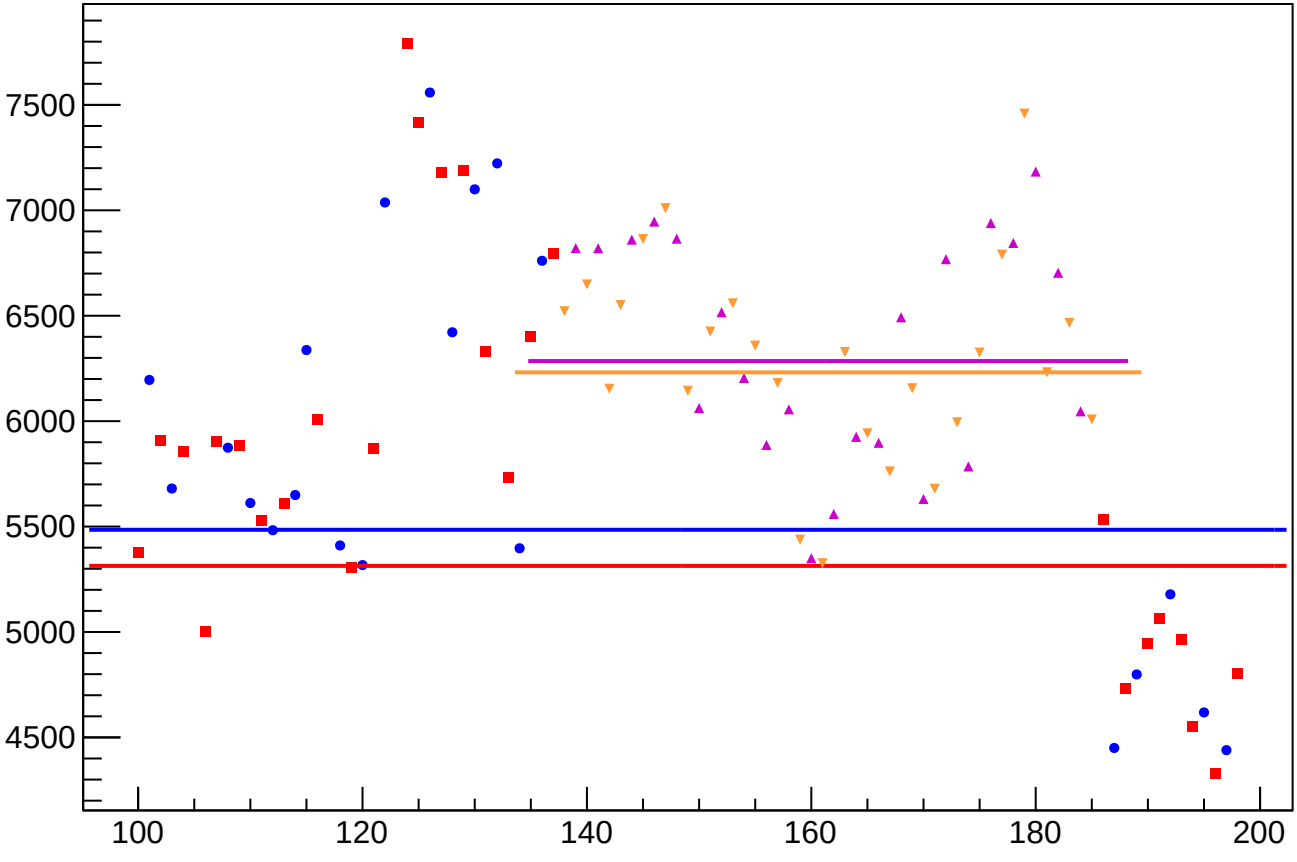
Right: -4.213+/-1.128 χ^2/NDF: 100.2/47

In: -7.100+/-1.118 χ^2/NDF:91.3/43

Out: -3.465+/-1.035 χ^2/NDF:79.4/51

All: -5.142+/-0.759 χ^2/NDF: 176.4/95

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 5484.813+/-1.207 χ^2/NDF: 519661.4/20

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5313.595+/-1.063 χ^2/NDF: 533446.6/26

Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

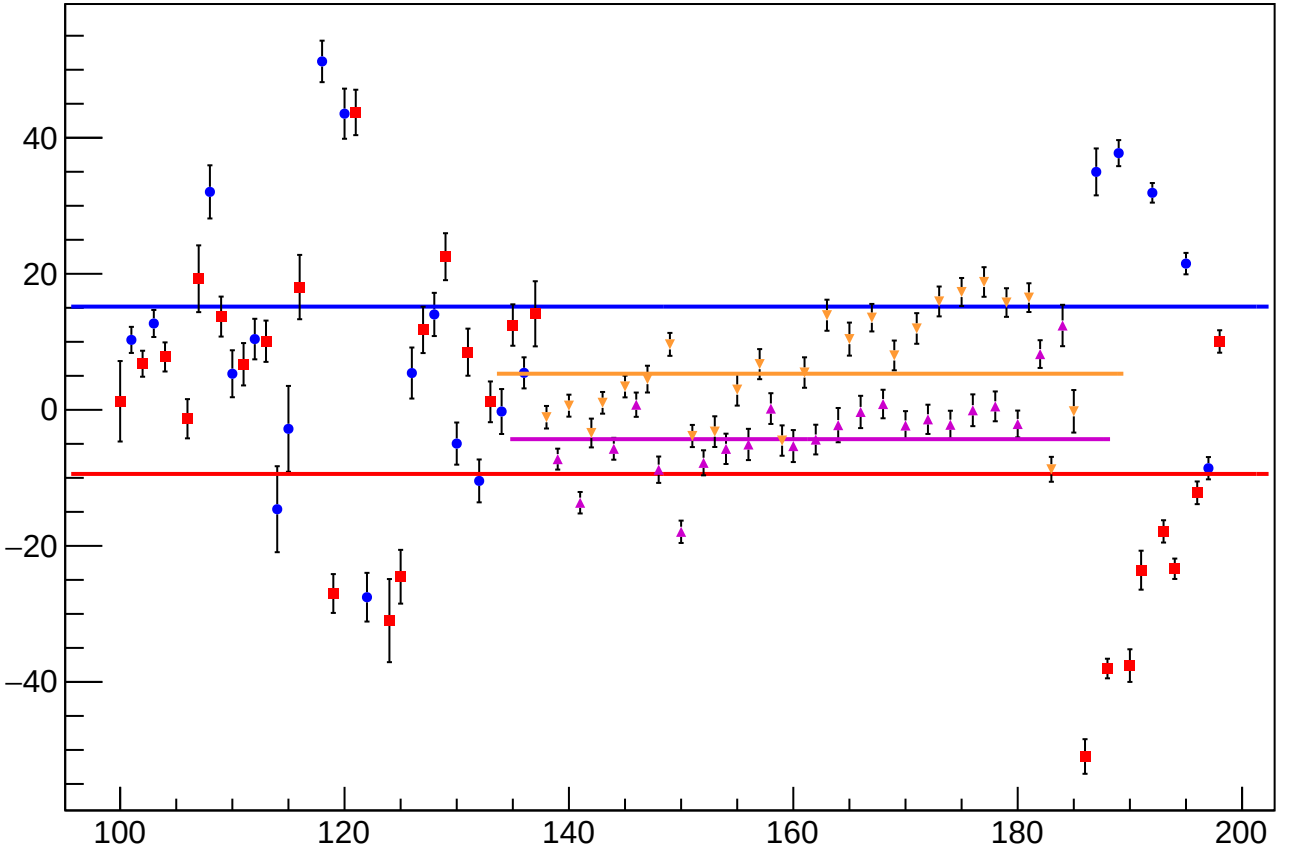
Right: 5388.386+/-0.798 χ^2/NDF: 1064435.8/47

In: 5941.796+/-0.791 χ^2/NDF:1035941.1/43

Out: 5796.796+/-0.732 χ^2/NDF:1152788.6/51

All: 5863.687+/-0.537 χ^2/NDF: 2206845.5/95

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 15.177+/-0.545 χ^2/NDF: 1097.0/20

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: -9.422+/-0.479 χ^2/NDF: 1981.1/26

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

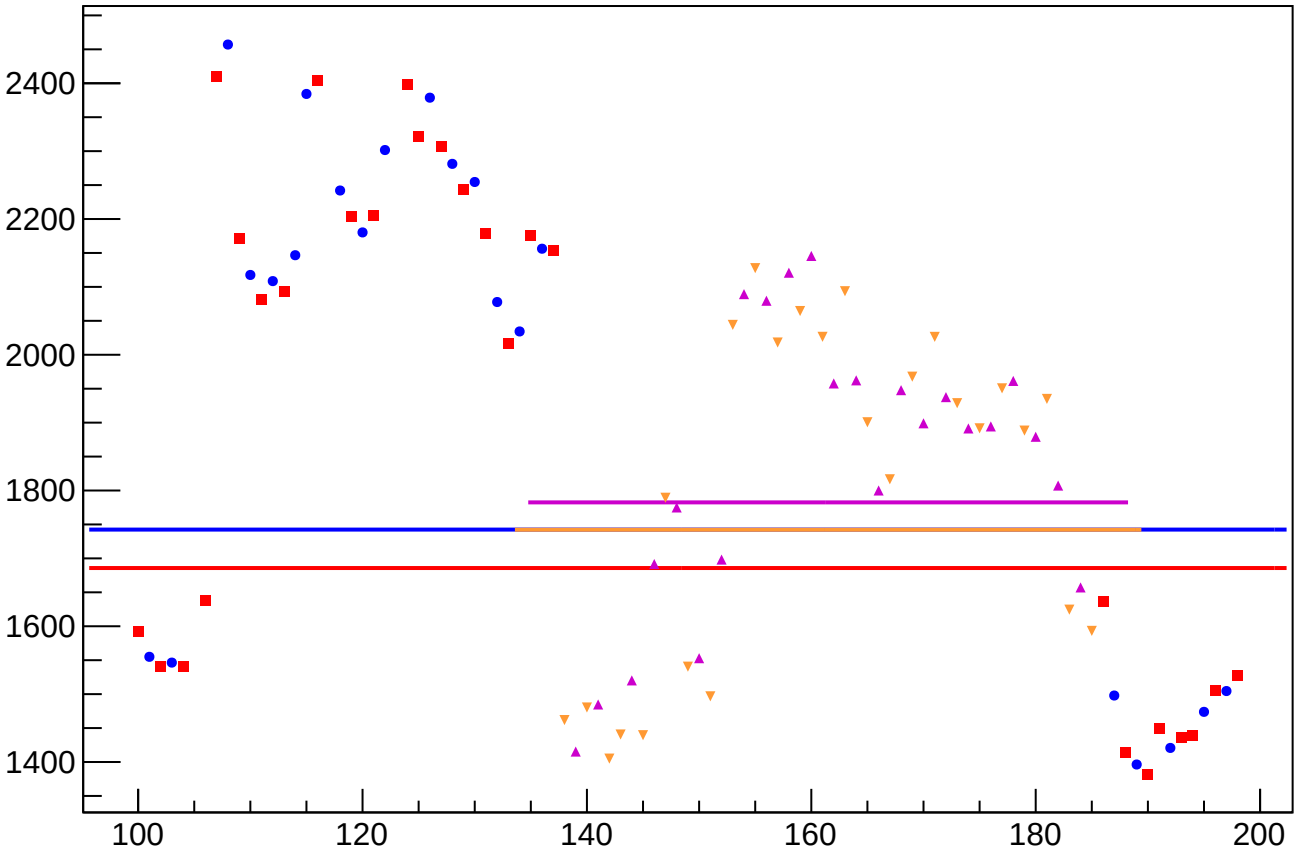
Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

Right: 1.312+/-0.360 χ^2/NDF: 4226.8/47

In: 2.955+/-0.333 χ^2/NDF:2119.6/43

Out: -0.741+/-0.307 χ^2/NDF:2915.7/51

All: 0.960+/-0.226 χ^2/NDF: 5101.9/95



Right In: 1742.427+/-0.385 χ^2/NDF: 867636.7/20

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1685.786+/-0.339 χ^2/NDF: 942298.4/26

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

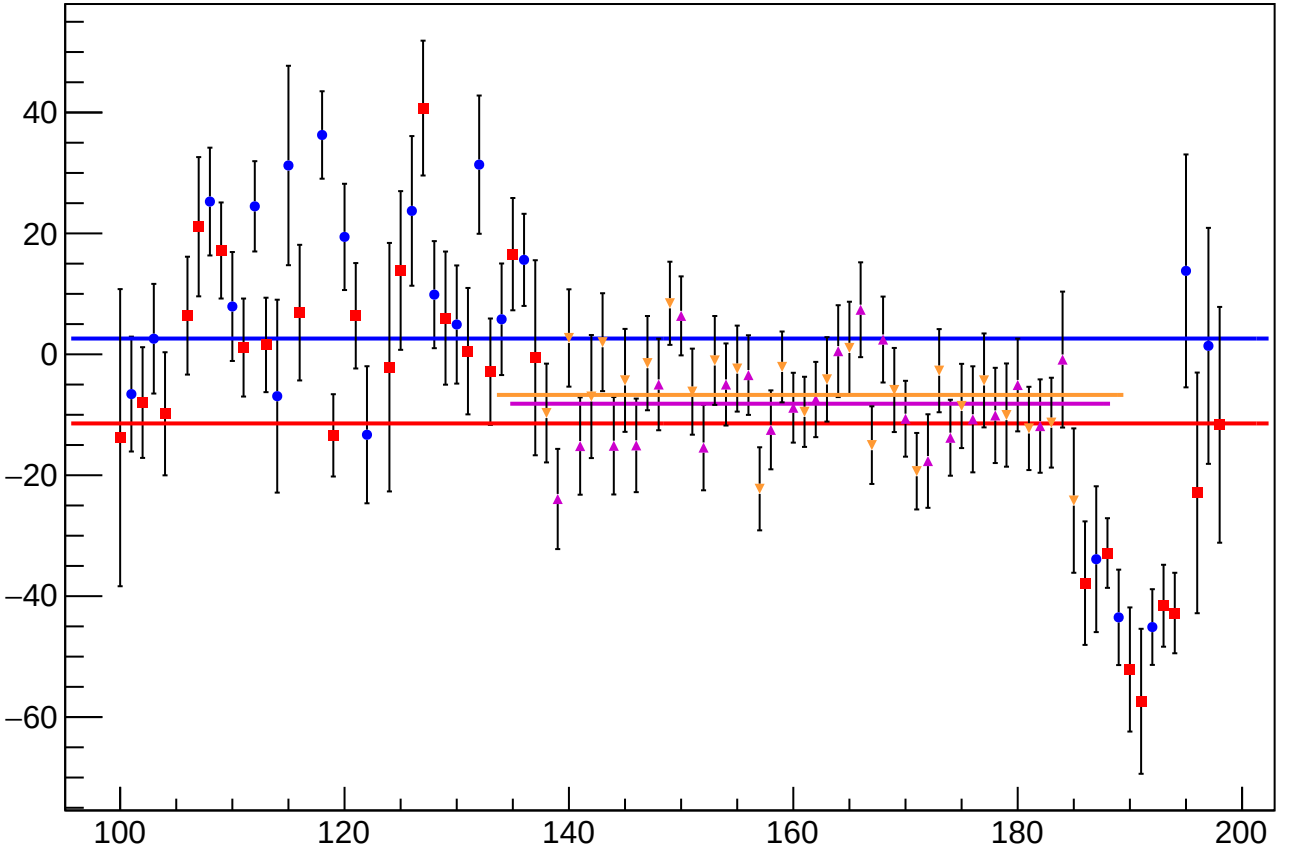
Right: 1710.503+/-0.255 χ^2/NDF: 1822115.6/47

In: 1767.562+/-0.235 χ^2/NDF:1408797.2/43

Out: 1719.034+/-0.217 χ^2/NDF:1726286.6/51

All: 1741.376+/-0.160 χ^2/NDF: 3158046.1/95

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.611+/-2.069 χ^2/NDF: 161.7/20

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: -11.431+/-1.829 χ^2/NDF: 169.9/26

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

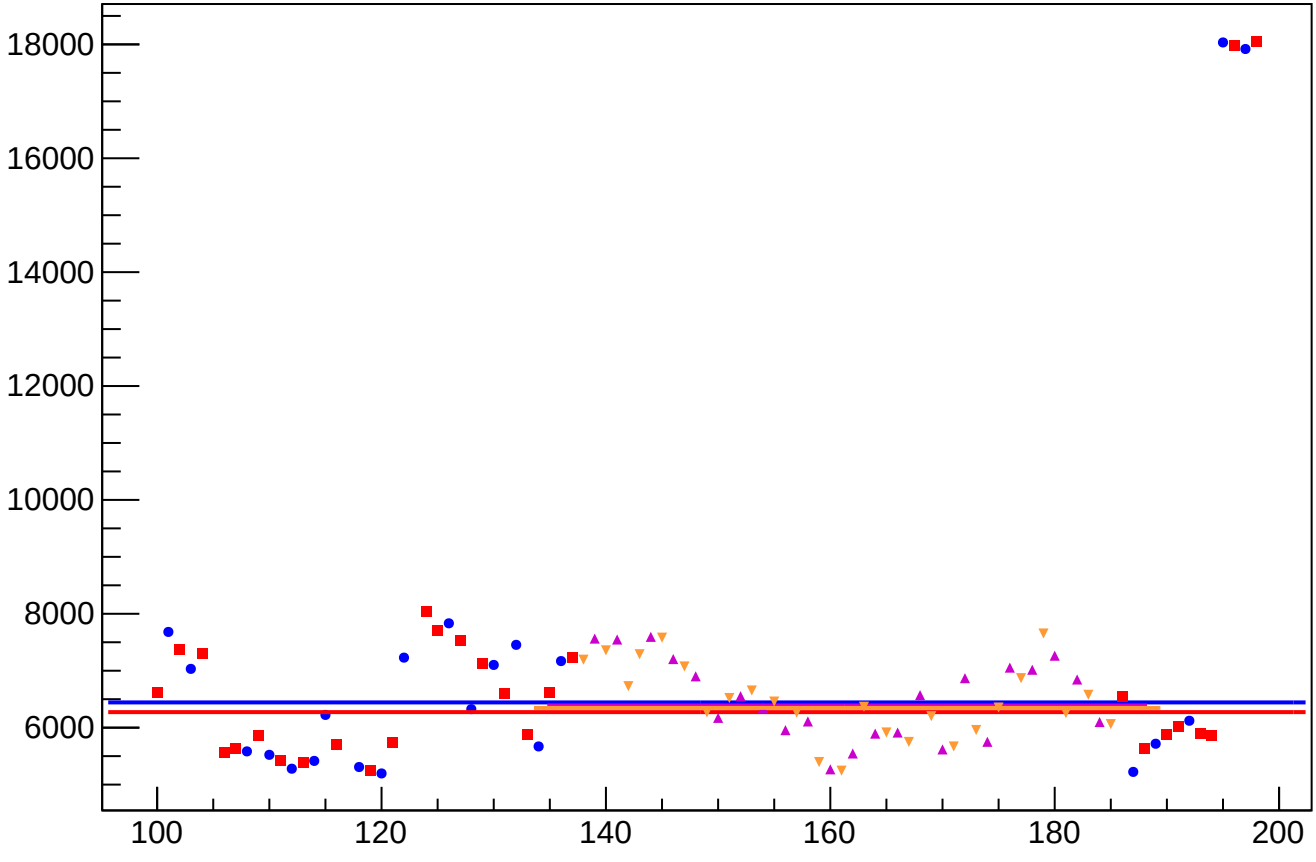
Right: -5.272+/-1.370 χ^2/NDF: 357.5/47

In: -4.423+/-1.220 χ^2/NDF:203.6/43

Out: -8.546+/-1.140 χ^2/NDF:199.7/51

All: -6.624+/-0.833 χ^2/NDF: 409.4/95

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6443.485+/-1.463 χ^2/NDF: 1779226.2/20

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6272.894+/-1.293 χ^2/NDF: 1734231.0/26

Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

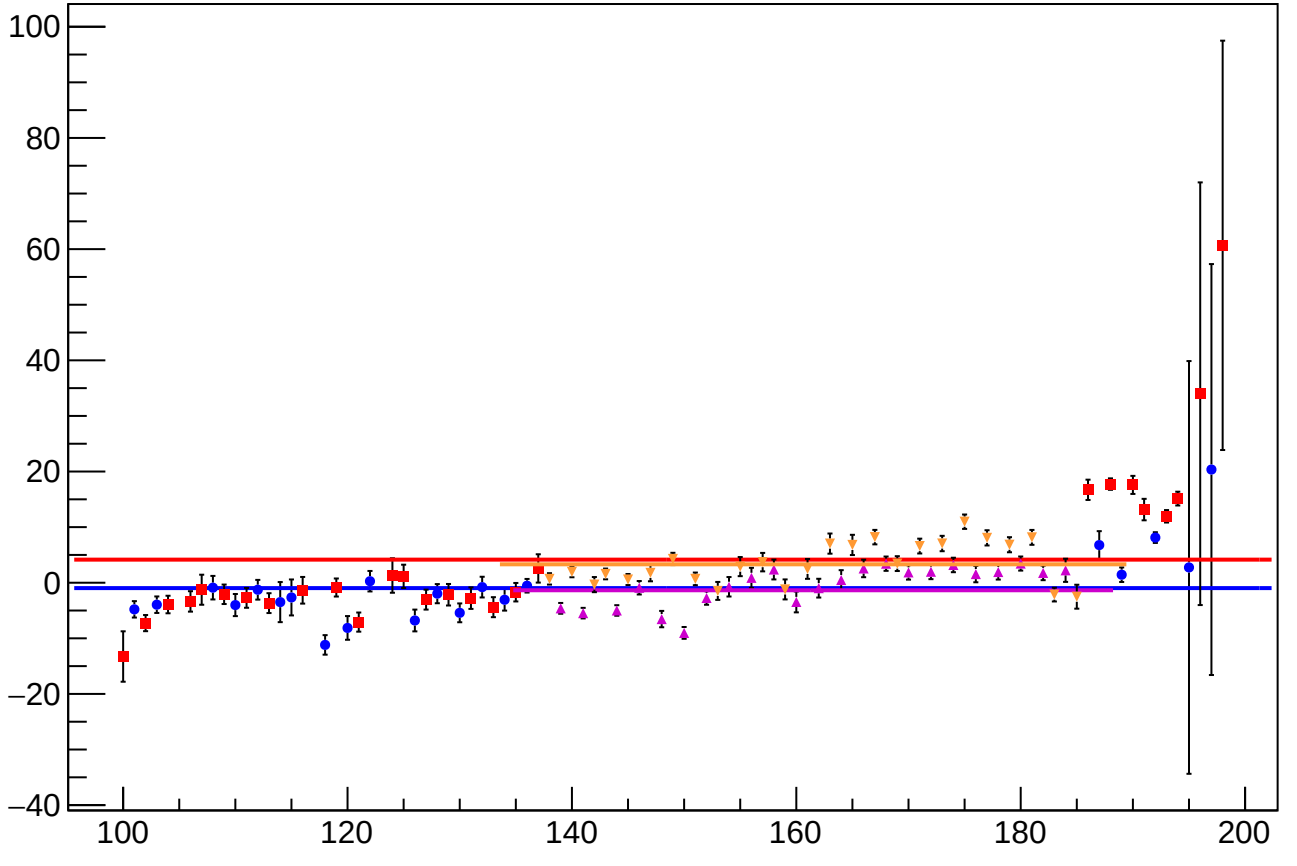
Right: 6347.717+/-0.969 χ^2/NDF: 3521092.3/47

In: 6408.216+/-0.862 χ^2/NDF:2199873.6/43

Out: 6318.378+/-0.806 χ^2/NDF:2122280.5/51

All: 6360.263+/-0.589 χ^2/NDF: 4327946.5/95

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -0.967+/-0.386 χ^2/NDF: 179.2/20

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: 4.153+/-0.342 χ^2/NDF: 747.4/26

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

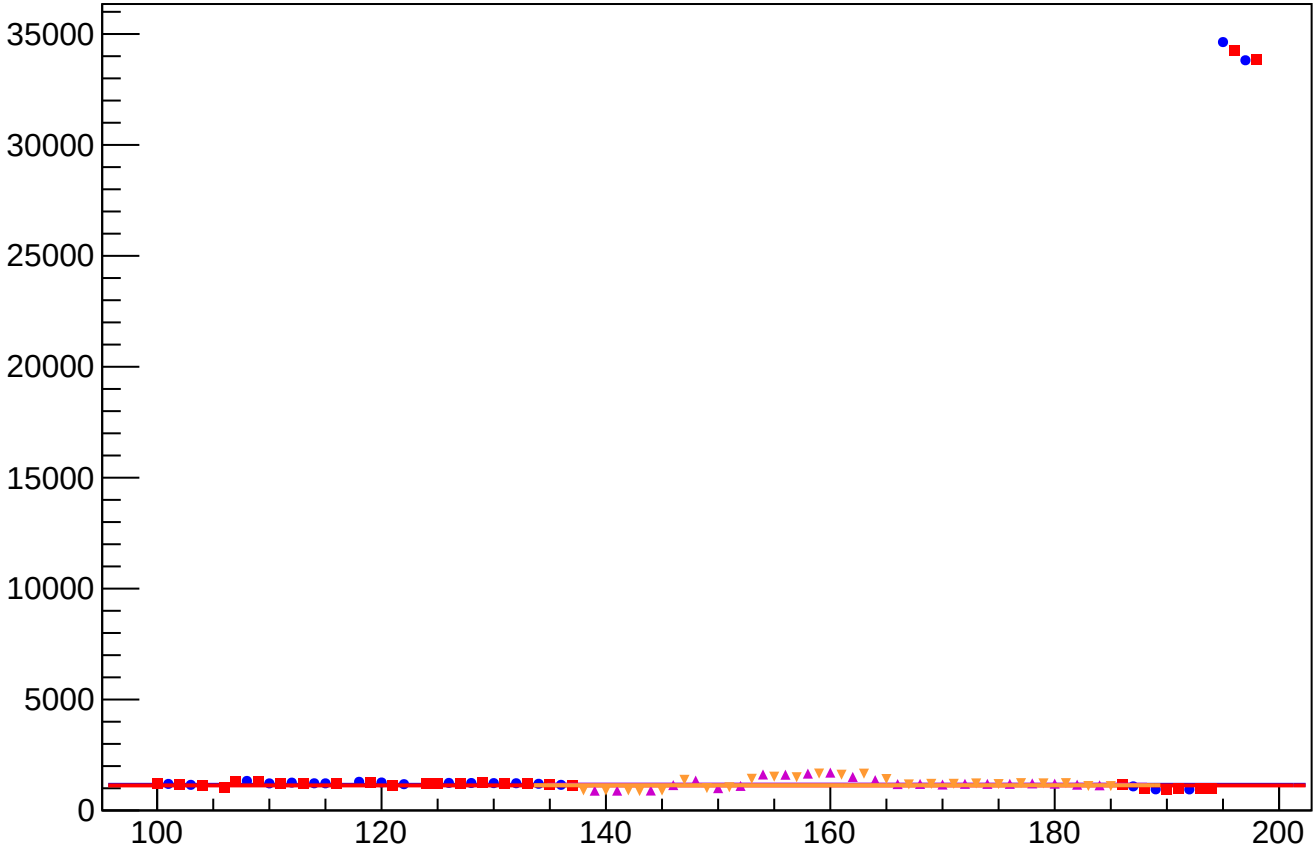
Right: 1.901+/-0.256 χ^2/NDF: 1025.1/47

In: -1.223+/-0.225 χ^2/NDF:376.2/43

Out: 3.626+/-0.209 χ^2/NDF:929.1/51

All: 1.376+/-0.153 χ^2/NDF: 1554.5/95

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1154.912+/-0.273 χ^2/NDF: 3390303.3/20

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1128.748+/-0.242 χ^2/NDF: 3319283.1/26

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

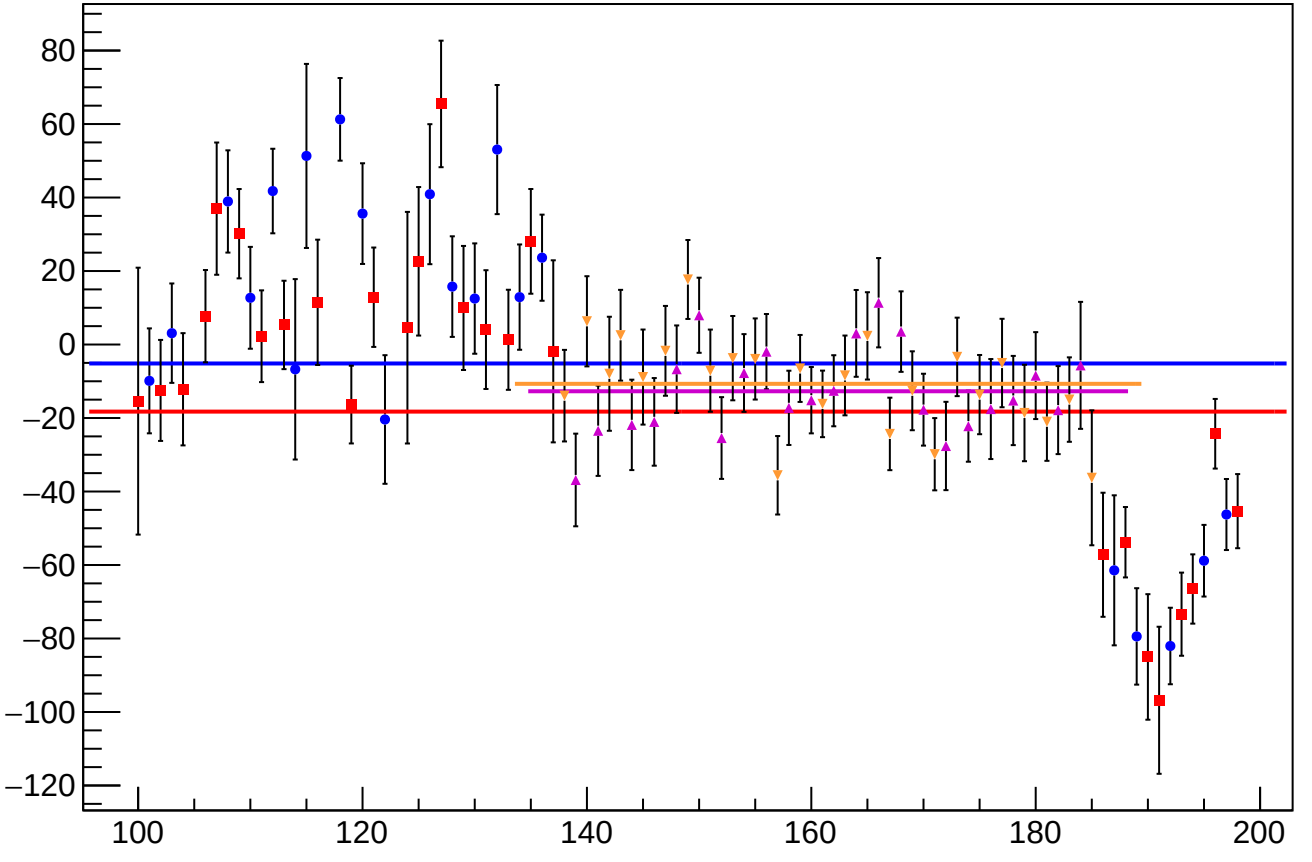
Right: 1140.257+/-0.181 χ^2/NDF: 6714732.8/47

In: 1157.898+/-0.159 χ^2/NDF:4650278.0/43

Out: 1134.007+/-0.148 χ^2/NDF:4789724.5/51

All: 1145.092+/-0.108 χ^2/NDF: 9452102.7/95

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -5.158+/-2.953 χ^2/NDF: 249.2/20

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: -18.255+/-2.633 χ^2/NDF: 198.2/26

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

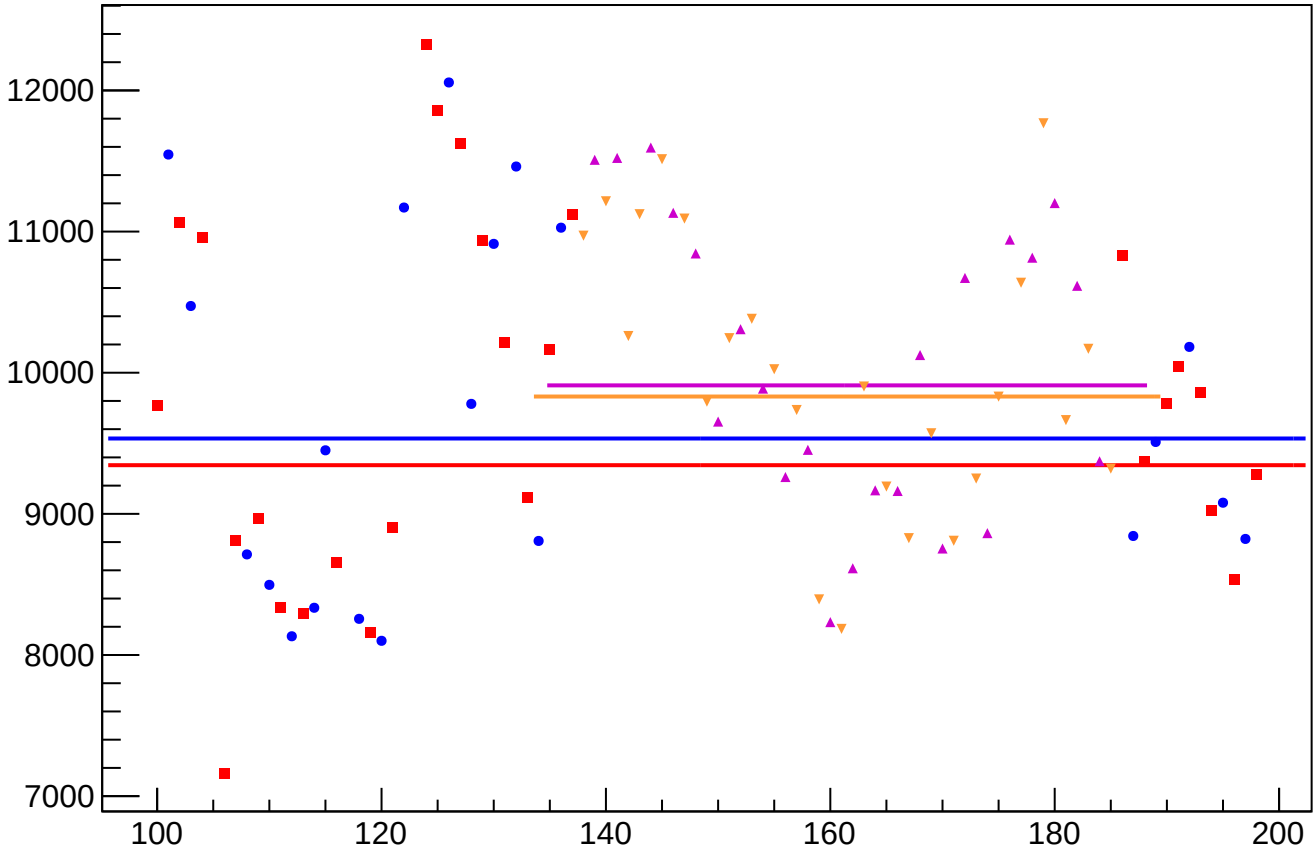
Right: -12.454+/-1.966 χ^2/NDF: 458.4/47

In: -9.802+/-1.835 χ^2/NDF:277.3/43

Out: -13.898+/-1.714 χ^2/NDF:231.7/51

All: -11.989+/-1.252 χ^2/NDF: 511.6/95

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9533.941+/-2.088 χ^2/NDF: 306696.9/20

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9344.839+/-1.862 χ^2/NDF: 342217.5/26

Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

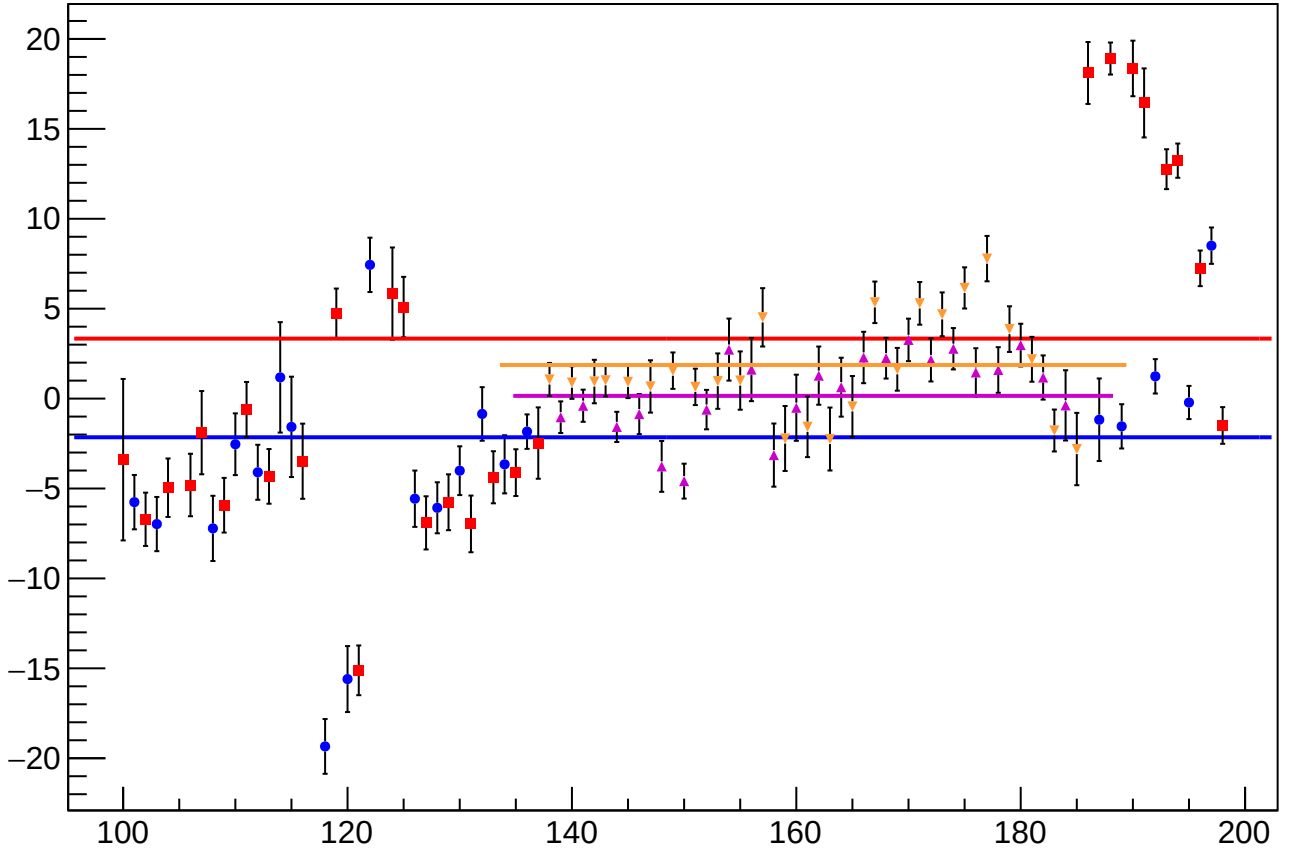
Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

Right: 9428.593+/-1.390 χ^2/NDF: 653481.9/47

In: 9765.095+/-1.297 χ^2/NDF:716011.2/43

Out: 9625.271+/-1.212 χ^2/NDF:737684.4/51

All: 9690.432+/-0.886 χ^2/NDF: 1459899.6/95



Right In: -2.151+/-0.304 χ^2/NDF: 392.6/20

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: 3.336+/-0.275 χ^2/NDF: 1296.0/26

Left In: 0.152+/-0.254 χ^2/NDF:75.7/22

Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

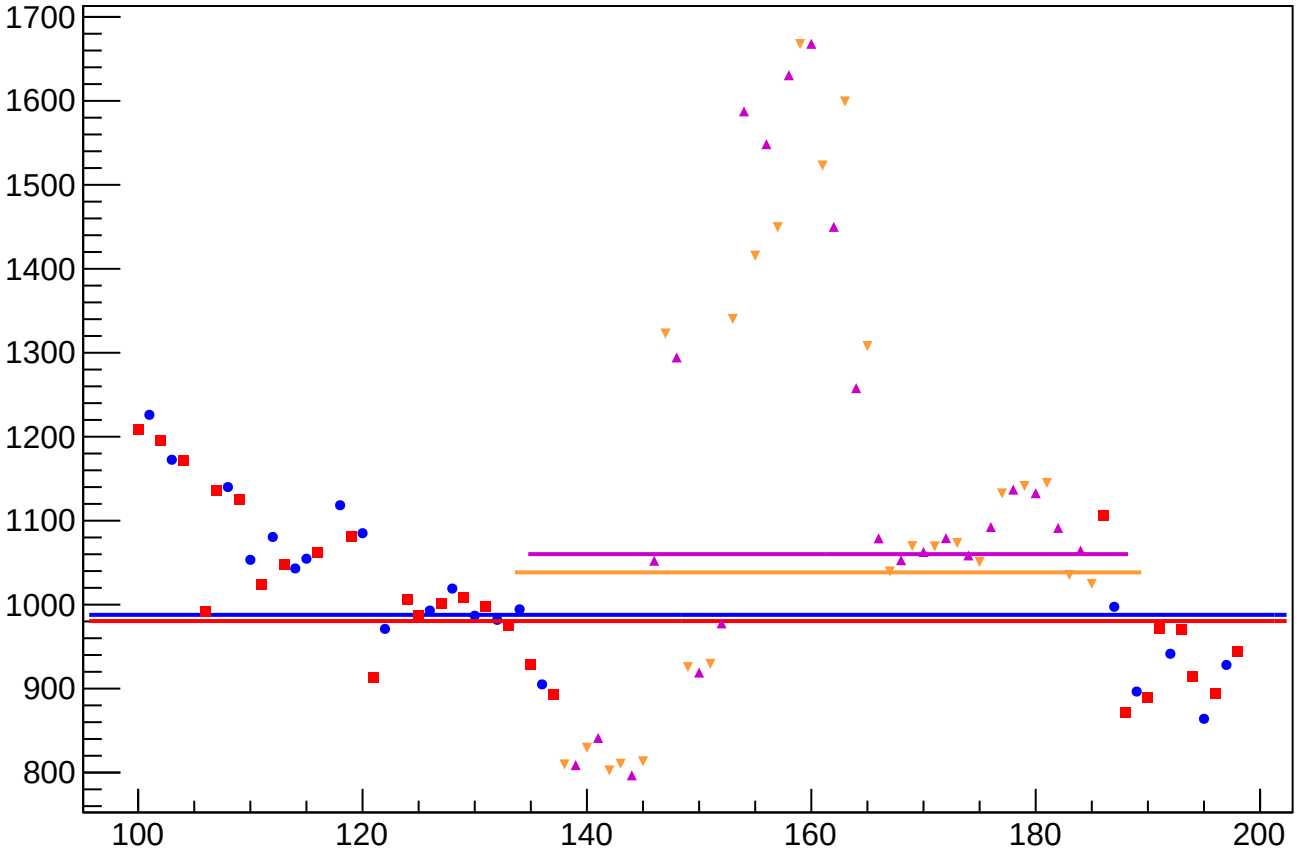
Right: 0.869+/-0.204 χ^2/NDF: 1868.0/47

In: -0.797+/-0.195 χ^2/NDF:502.0/43

Out: 2.512+/-0.182 χ^2/NDF:1415.2/51

All: 0.974+/-0.133 χ^2/NDF: 2071.1/95

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 987.832+/-0.215 χ^2/NDF: 201119.5/20

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 980.458+/-0.194 χ^2/NDF: 209398.2/26

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

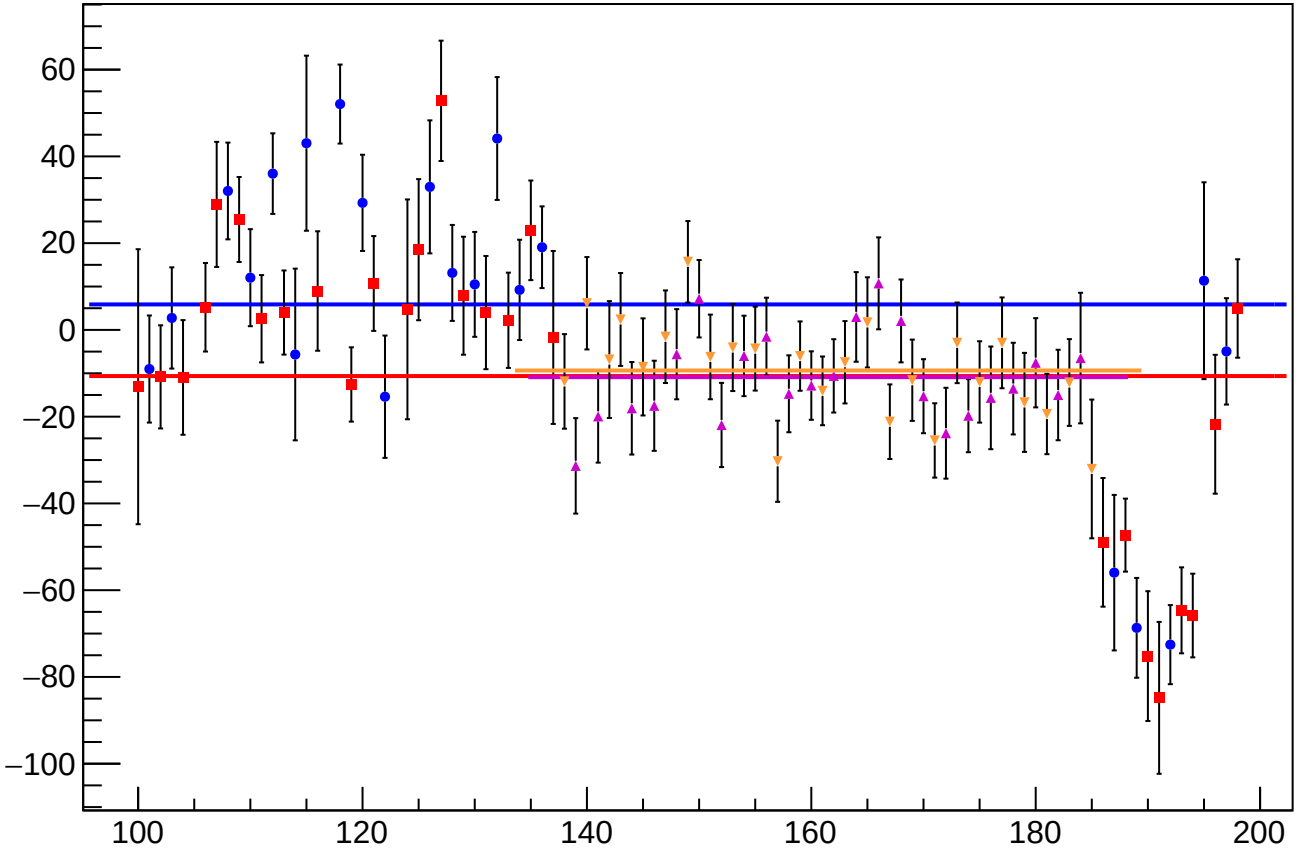
Right: 983.773+/-0.144 χ^2/NDF: 411165.1/47

In: 1030.366+/-0.138 χ^2/NDF:1790896.8/43

Out: 1013.016+/-0.129 χ^2/NDF:1966058.1/51

All: 1021.081+/-0.094 χ^2/NDF: 3765414.9/95

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 5.877+/-2.617 χ^2/NDF: 195.9/20

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: -10.639+/-2.321 χ^2/NDF: 198.2/26

Left In: -10.892+/-2.043 χ^2/NDF:23.6/22

Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

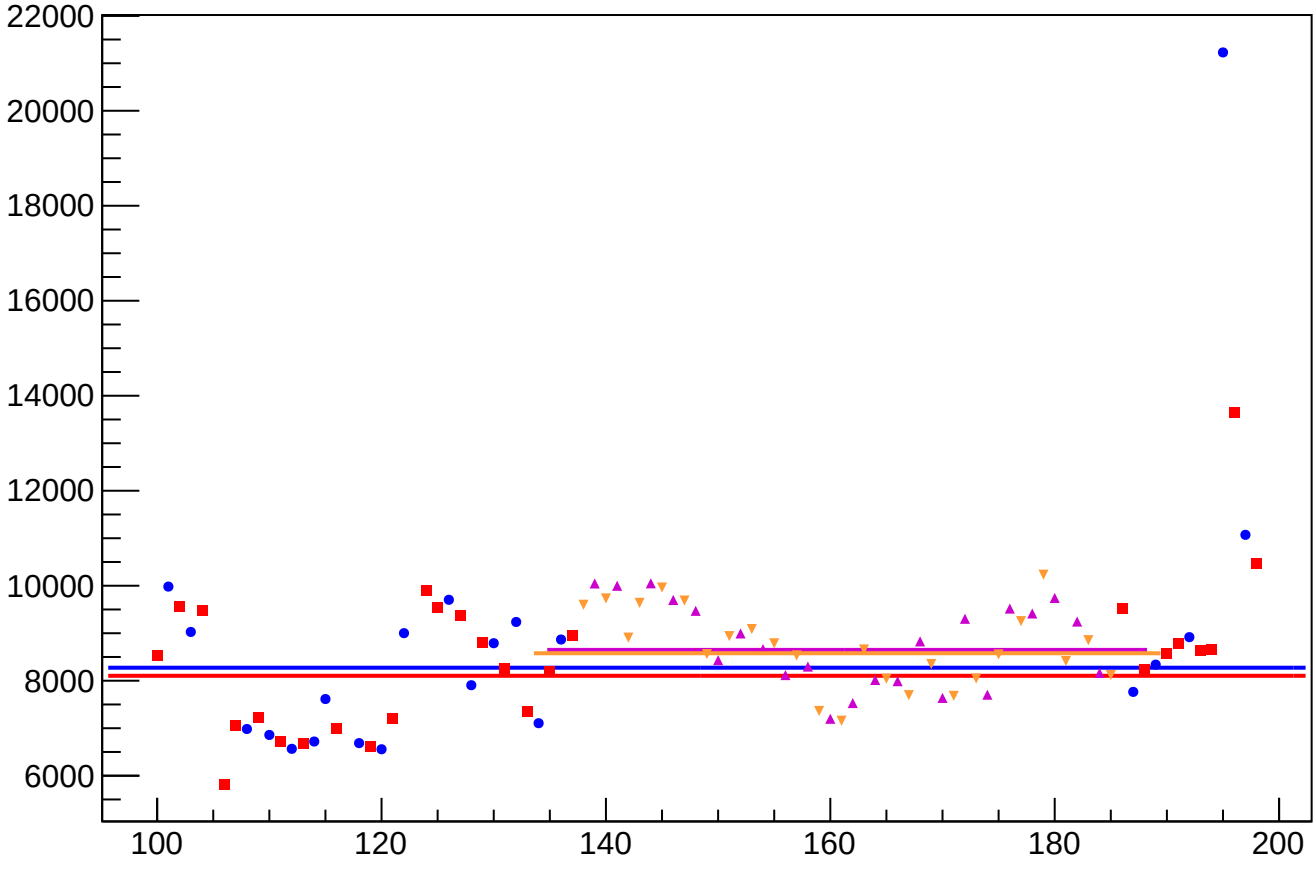
Right: -3.366+/-1.736 χ^2/NDF: 416.4/47

In: -4.543+/-1.610 χ^2/NDF:245.0/43

Out: -9.893+/-1.502 χ^2/NDF:226.9/51

All: -7.404+/-1.098 χ^2/NDF: 477.8/95

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 8274.008+/-1.850 χ^2/NDF: 1130260.1/20

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8103.933+/-1.641 χ^2/NDF: 770838.3/26

Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

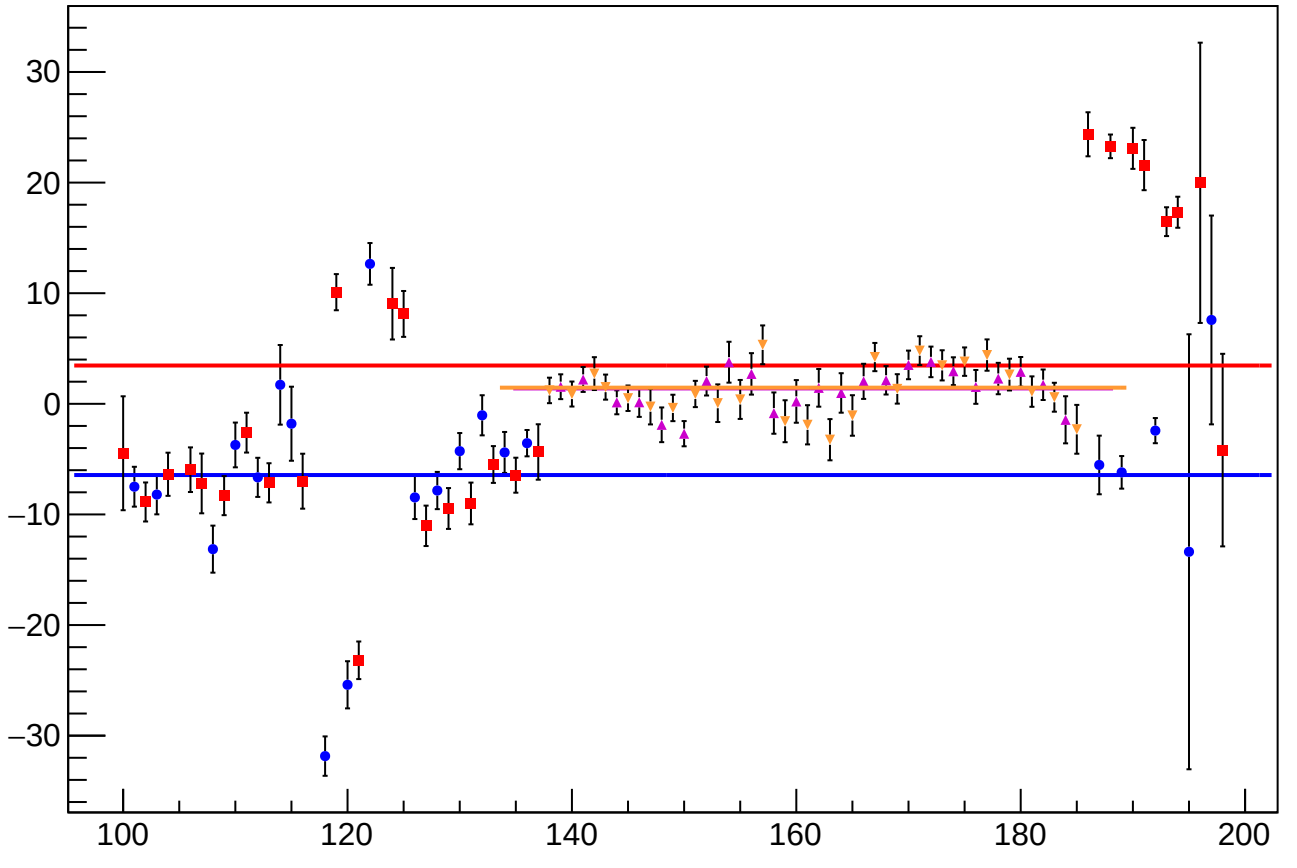
Left: 8612.520+/-1.002 χ^2/NDF: 722899.8/47

Right: 8178.829+/-1.228 χ^2/NDF: 1905827.5/47

In: 8507.158+/-1.138 χ^2/NDF:1533749.3/43

Out: 8379.815+/-1.062 χ^2/NDF:1163155.1/51

All: 8439.053+/-0.776 χ^2/NDF: 2703595.7/95



Right In: -6.438+/-0.406 χ^2/NDF: 439.8/20

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: 3.463+/-0.361 χ^2/NDF: 1556.7/26

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

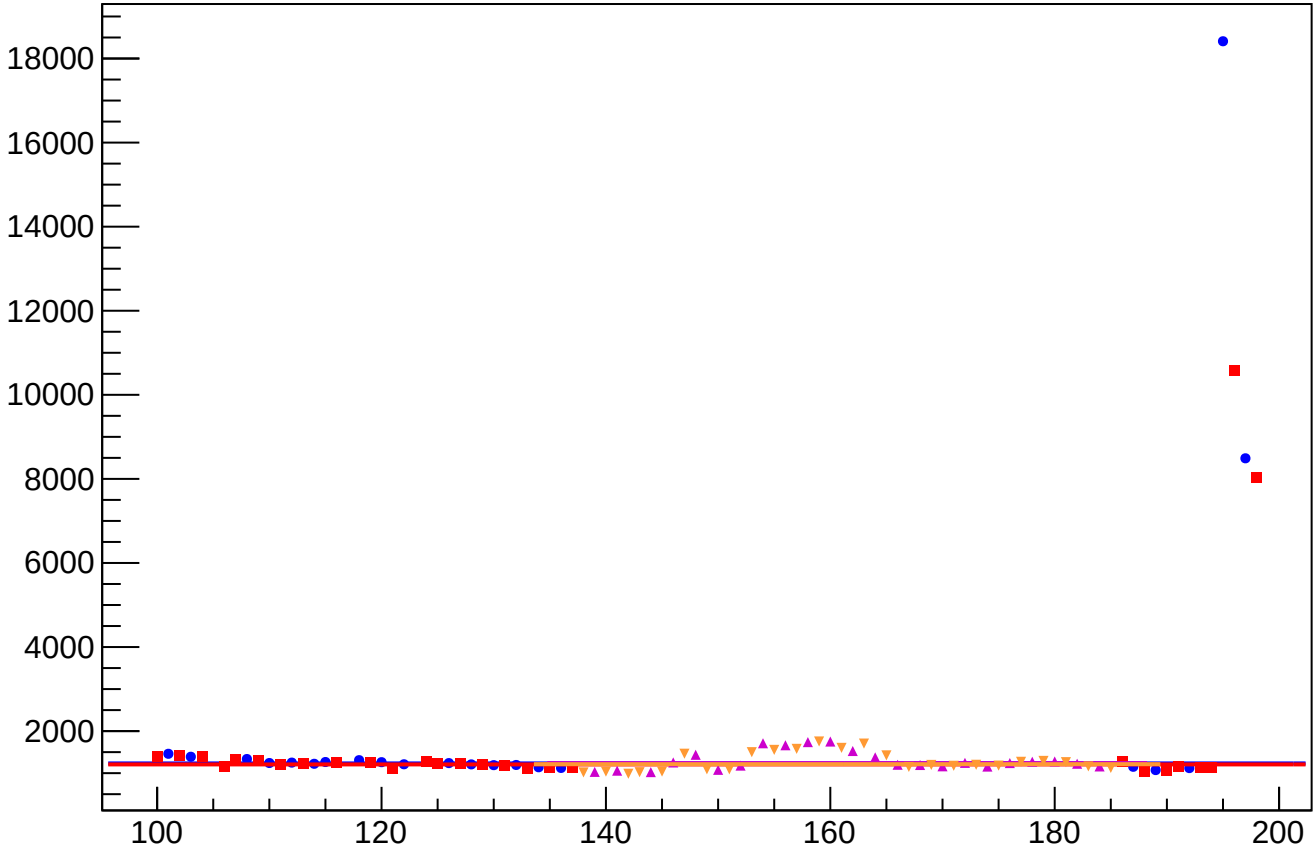
Right: -0.905+/-0.270 χ^2/NDF: 2328.9/47

In: -1.306+/-0.238 χ^2/NDF:719.0/43

Out: 2.215+/-0.221 χ^2/NDF:1626.9/51

All: 0.583+/-0.162 χ^2/NDF: 2463.2/95

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1231.563+/-0.287 χ^2/NDF: 2834790.1/20

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1207.725+/-0.255 χ^2/NDF: 2483291.4/26

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

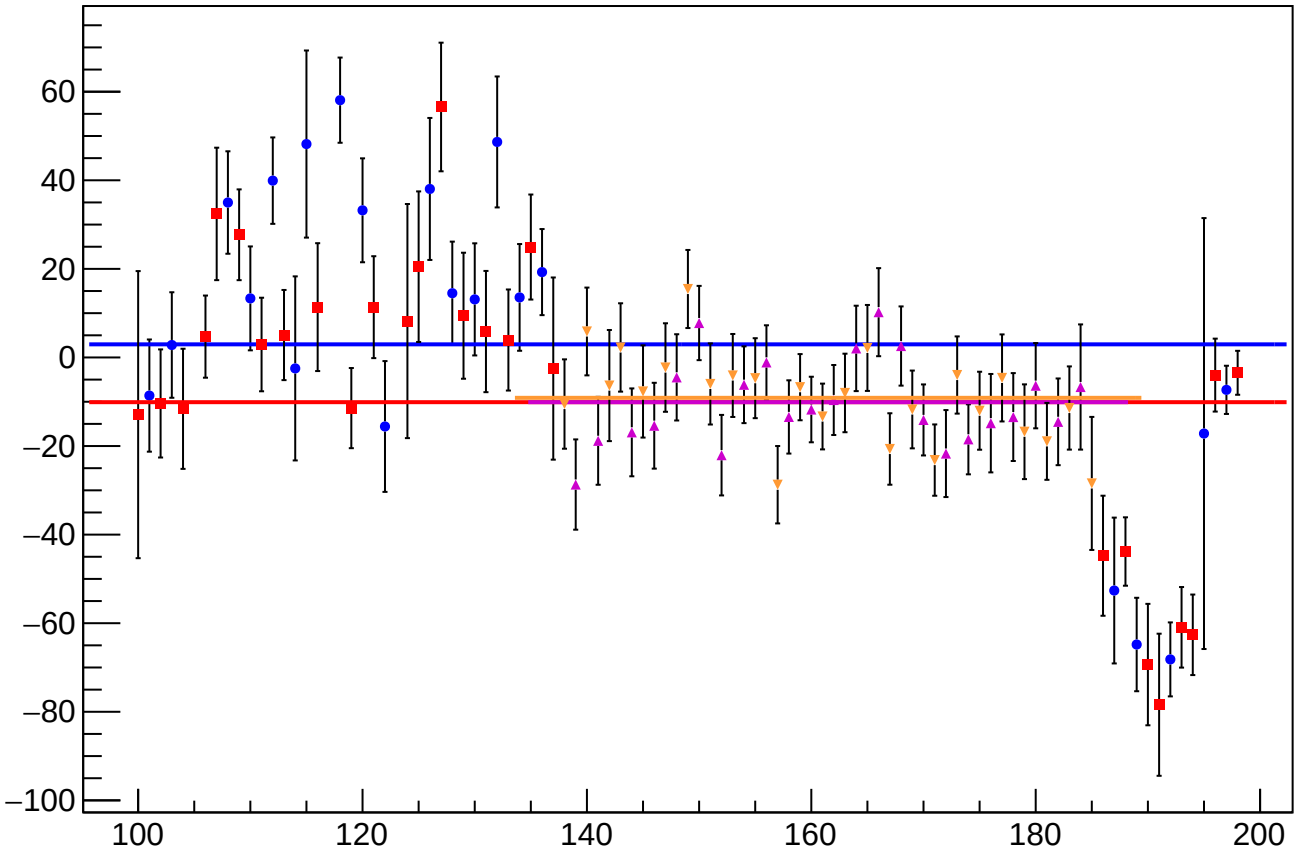
Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

Right: 1218.241+/-0.191 χ^2/NDF: 5321935.1/47

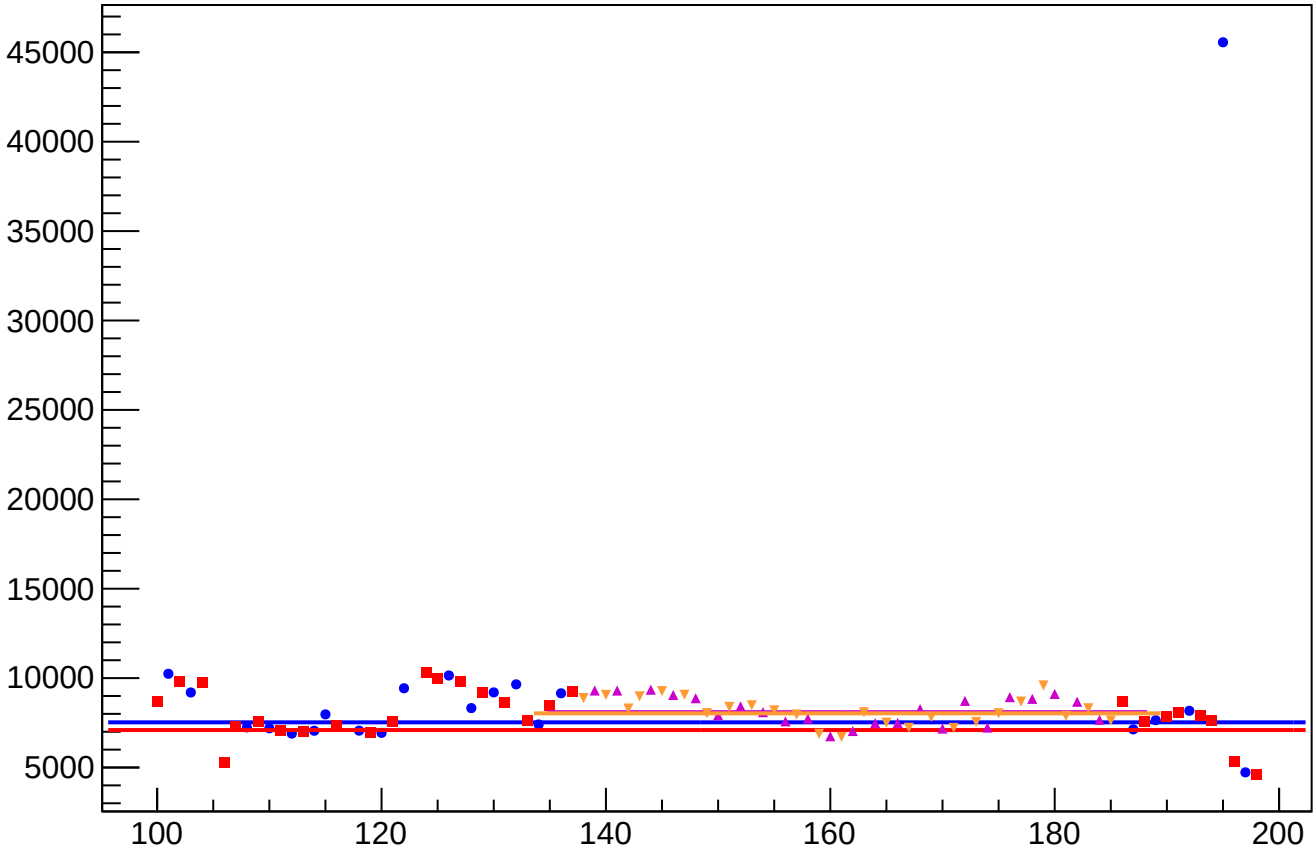
In: 1236.553+/-0.168 χ^2/NDF:3720847.6/43

Out: 1211.175+/-0.157 χ^2/NDF:3496348.0/51

All: 1222.937+/-0.115 χ^2/NDF: 7229369.0/95


diff_bpm0l09X_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: 2.960+/-2.451 χ²/NDF: 217.9/20
Left Out: -9.114+/-1.842 χ²/NDF:28.8/24
Right Out: -10.097+/-2.085 χ²/NDF: 201.5/26
Left In: -10.095+/-1.911 χ²/NDF:24.3/22
Left: -9.587+/-1.326 χ²/NDF: 53.2/47
Right: -4.613+/-1.588 χ²/NDF: 435.9/47
In: -5.157+/-1.507 χ²/NDF:259.9/43
Out: -9.545+/-1.381 χ²/NDF:230.4/51
All: -7.543+/-1.018 χ²/NDF: 494.8/95

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 7526.403+/-1.733 χ^2/NDF: 2146971.9/20

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 7094.581+/-1.475 χ^2/NDF: 1216908.6/26

Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

Left: 8060.478+/-0.938 χ^2/NDF: 701195.2/47

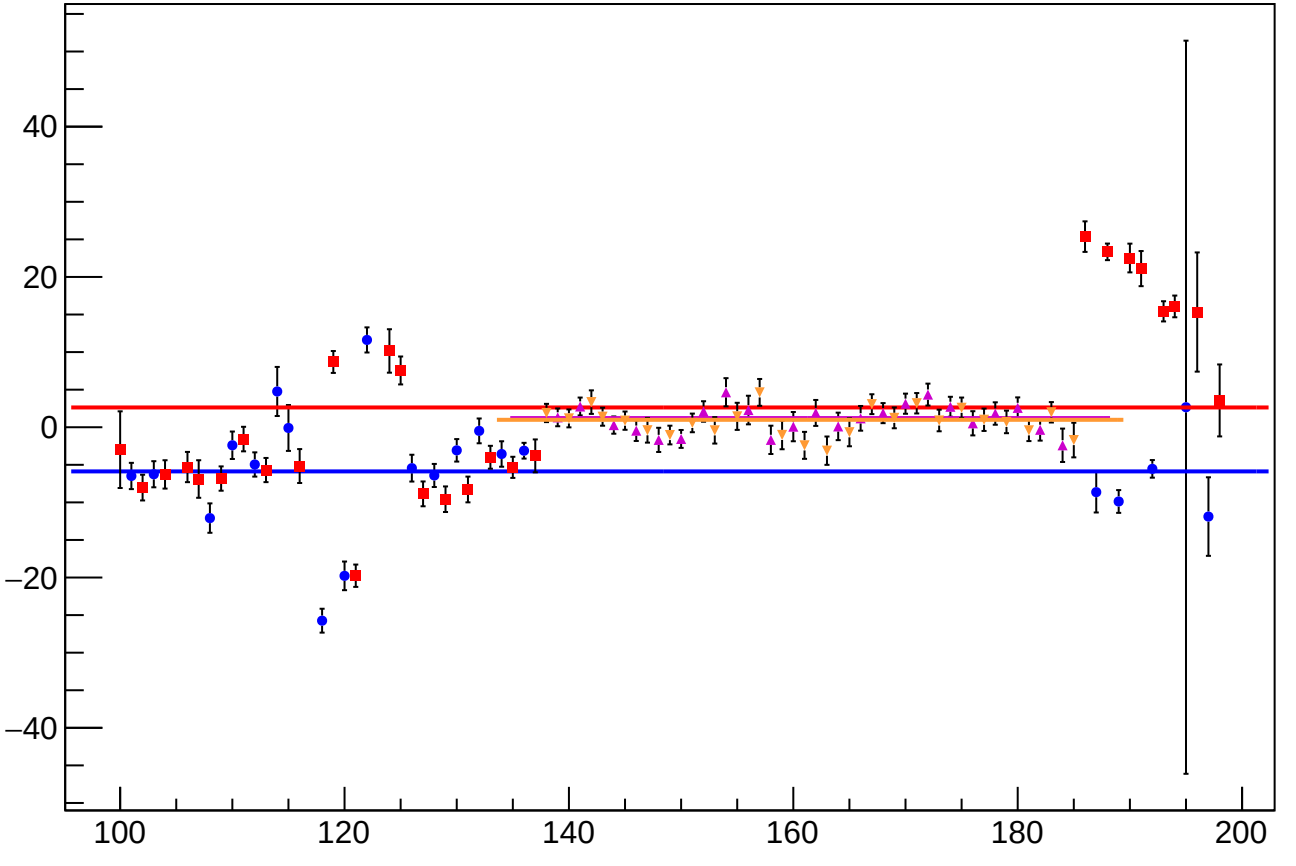
Right: 7275.933+/-1.123 χ^2/NDF: 3399899.7/47

In: 7880.180+/-1.066 χ^2/NDF:2581456.6/43

Out: 7618.804+/-0.976 χ^2/NDF:1774441.6/51

All: 7738.074+/-0.720 χ^2/NDF: 4388603.5/95

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.877+/-0.378 χ^2/NDF: 380.0/20

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: 2.632+/-0.342 χ^2/NDF: 1458.7/26

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

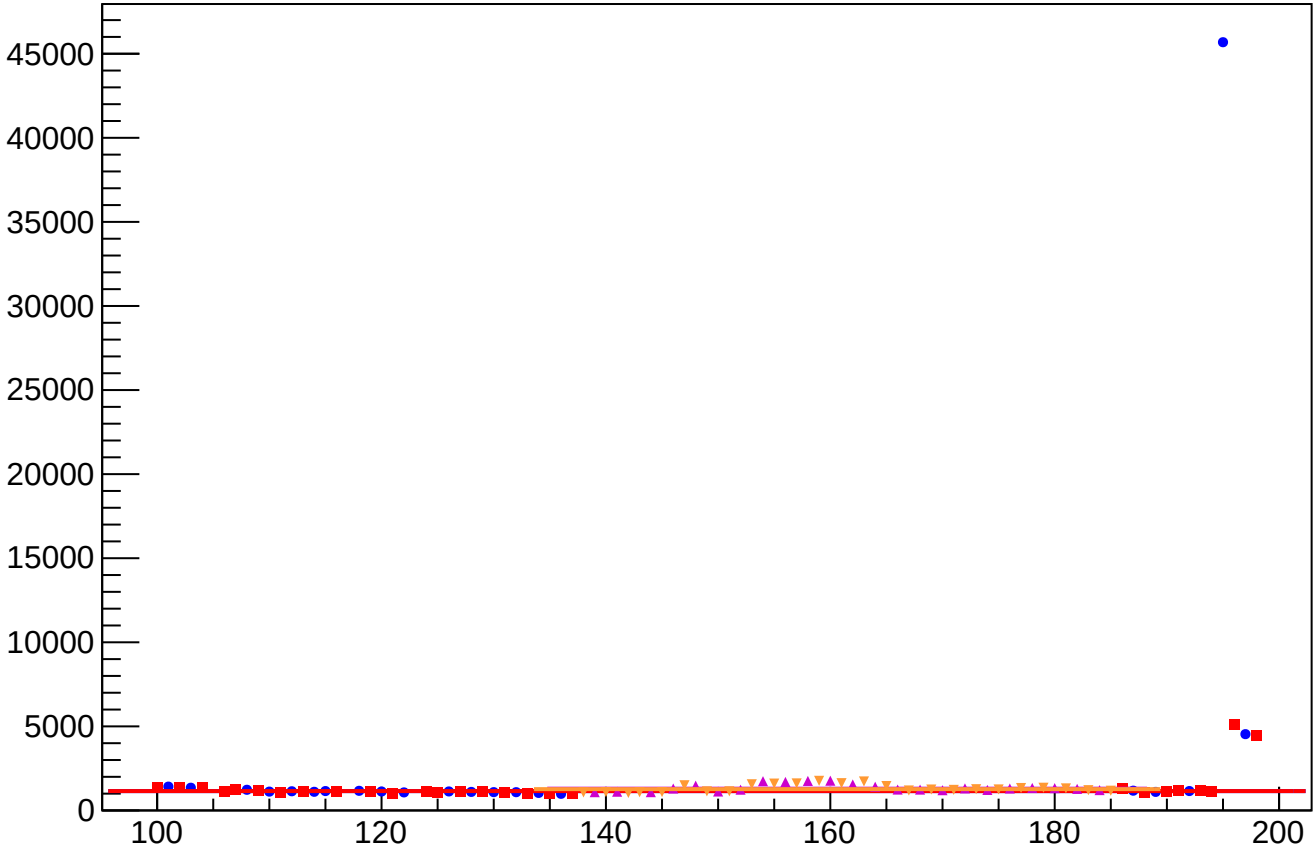
Right: -1.192+/-0.254 χ^2/NDF: 2117.0/47

In: -1.592+/-0.238 χ^2/NDF:625.4/43

Out: 1.682+/-0.222 χ^2/NDF:1503.0/51

All: 0.159+/-0.162 χ^2/NDF: 2229.5/95

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1150.145+/-0.268 χ^2/NDF: 2655799.3/20

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1151.818+/-0.242 χ^2/NDF: 1620281.4/26

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

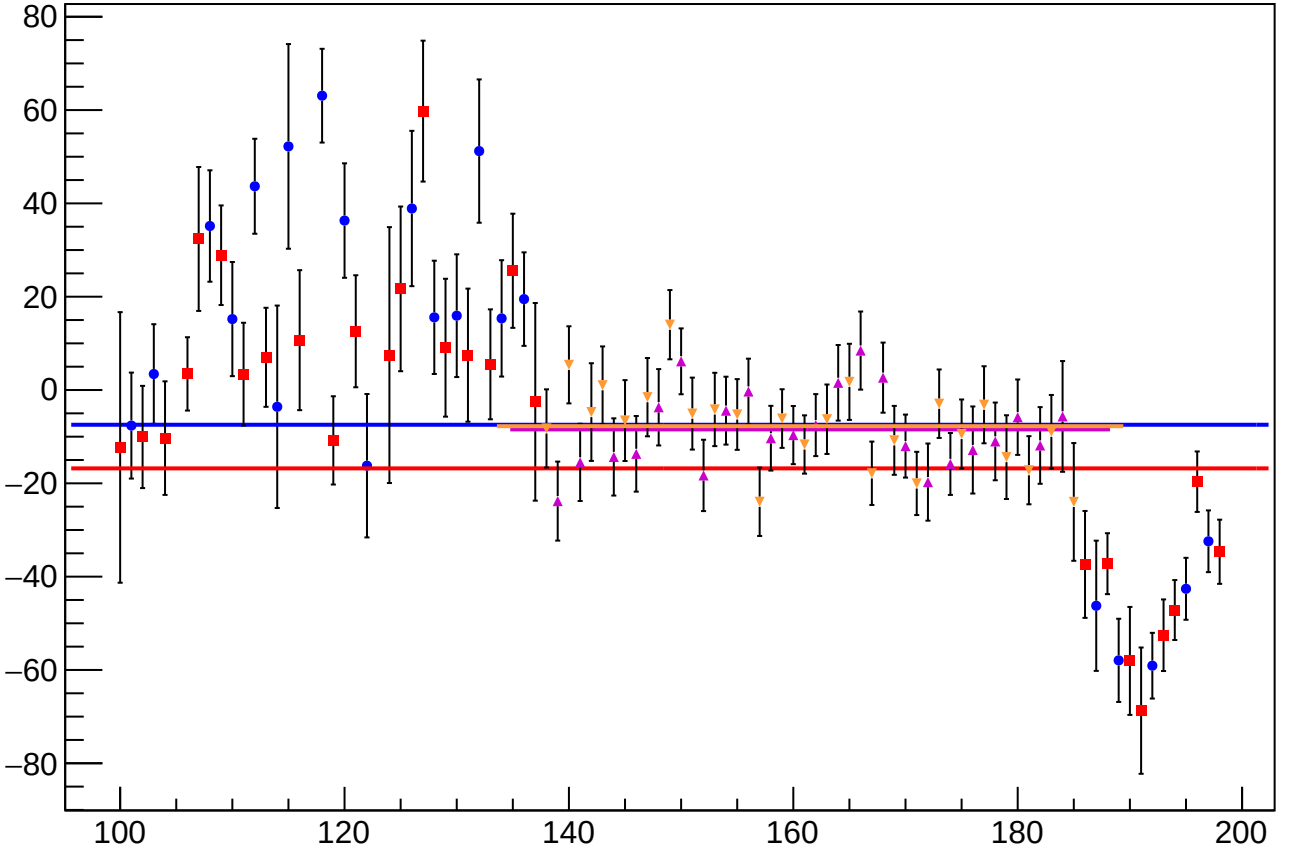
Right: 1151.066+/-0.179 χ^2/NDF: 4276102.2/47

In: 1237.047+/-0.168 χ^2/NDF:3588662.3/43

Out: 1218.591+/-0.157 χ^2/NDF:2630740.7/51

All: 1227.178+/-0.115 χ^2/NDF: 6225822.8/95

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -7.444+/-2.324 χ^2/NDF: 287.7/20

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: -16.796+/-2.001 χ^2/NDF: 198.6/26

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

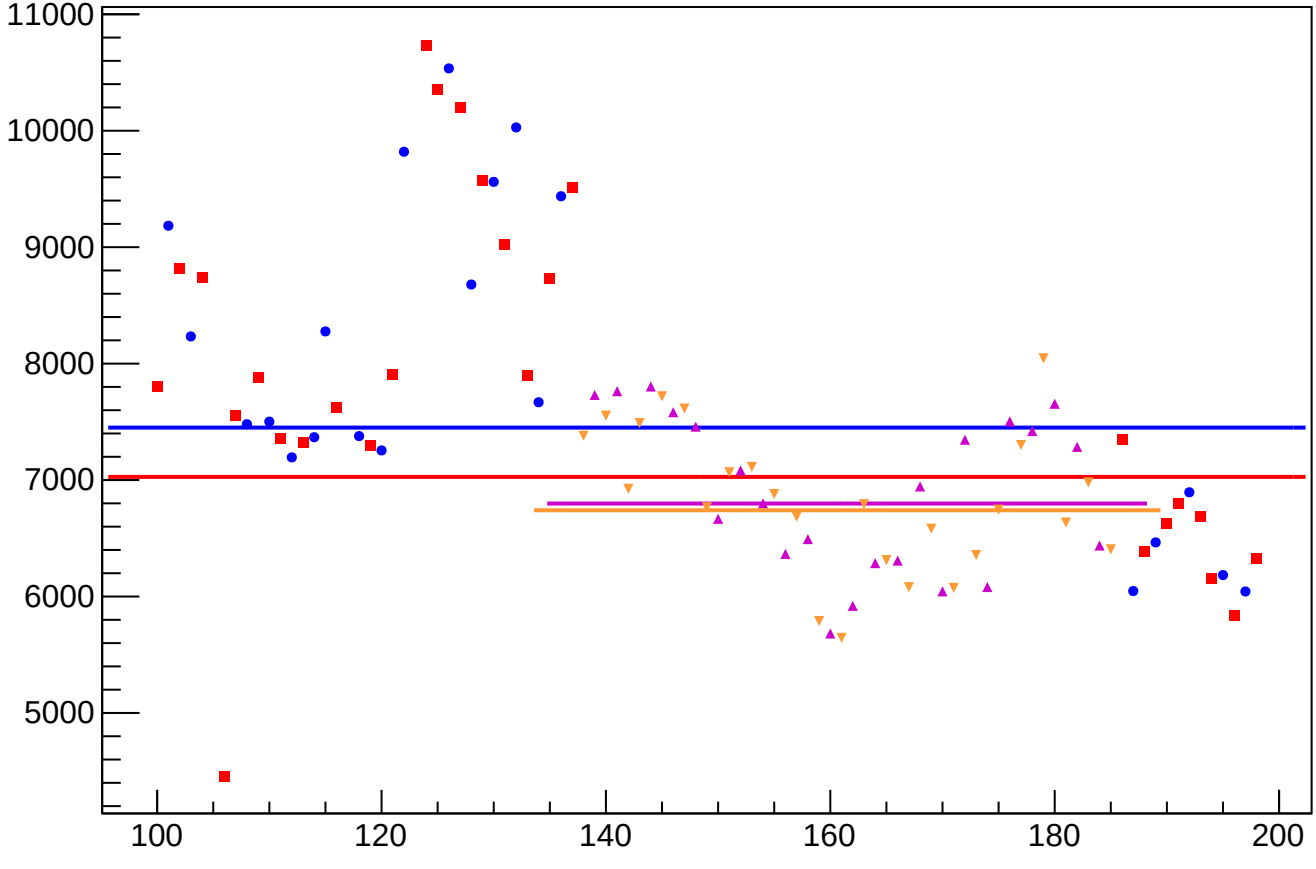
Right: -12.816+/-1.516 χ^2/NDF: 495.6/47

In: -8.117+/-1.321 χ^2/NDF:312.6/43

Out: -11.135+/-1.224 χ^2/NDF:241.8/51

All: -9.741+/-0.898 χ^2/NDF: 557.3/95

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 7450.697+/-1.644 χ^2/NDF: 606343.6/20

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 7027.232+/-1.415 χ^2/NDF: 866773.6/26

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

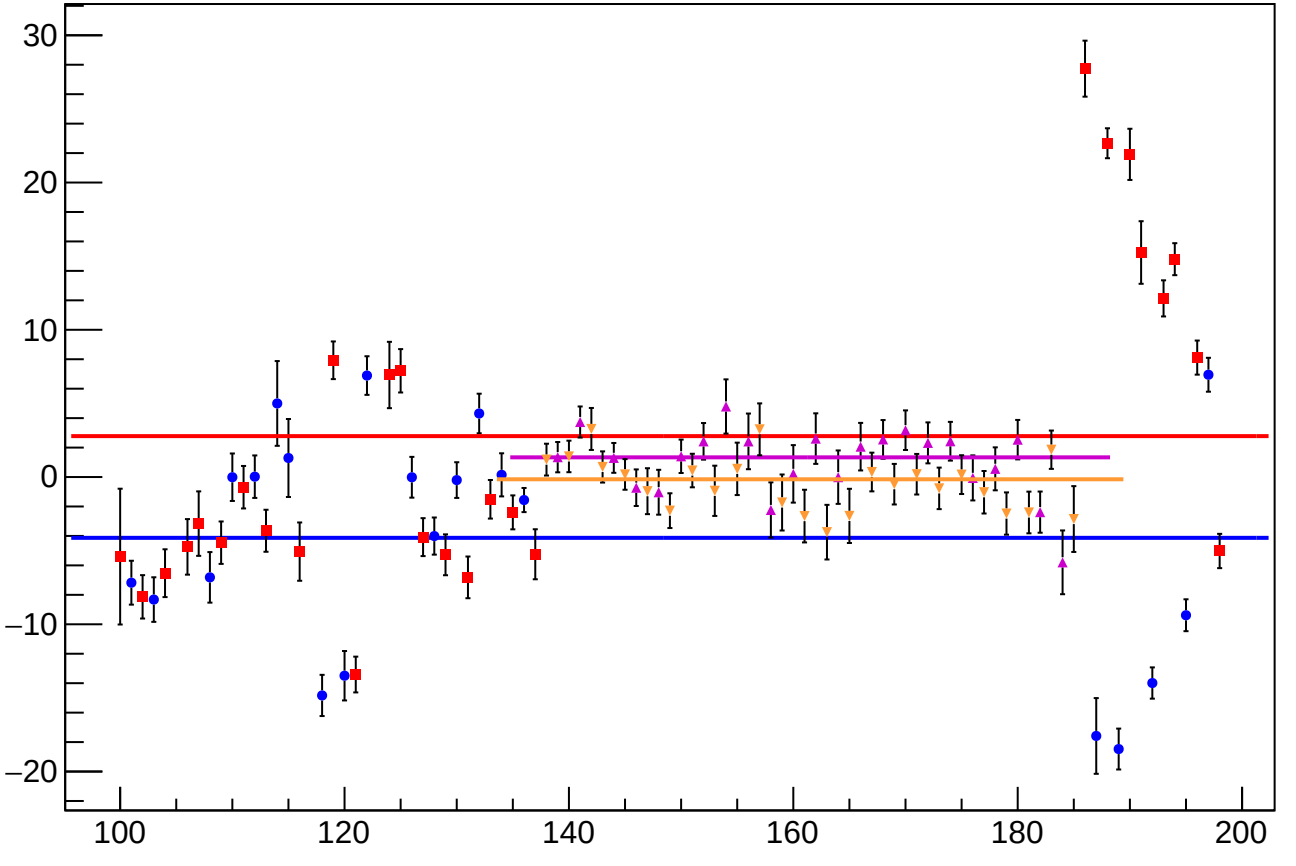
Right: 7207.455+/-1.072 χ^2/NDF: 1511248.1/47

In: 7009.022+/-0.934 χ^2/NDF:1066253.3/43

Out: 6847.960+/-0.865 χ^2/NDF:1209133.8/51

All: 6922.366+/-0.635 χ^2/NDF: 2291394.8/95

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -4.129+/-0.297 χ^2/NDF: 617.4/20

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: 2.779+/-0.276 χ^2/NDF: 1505.7/26

Left In: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

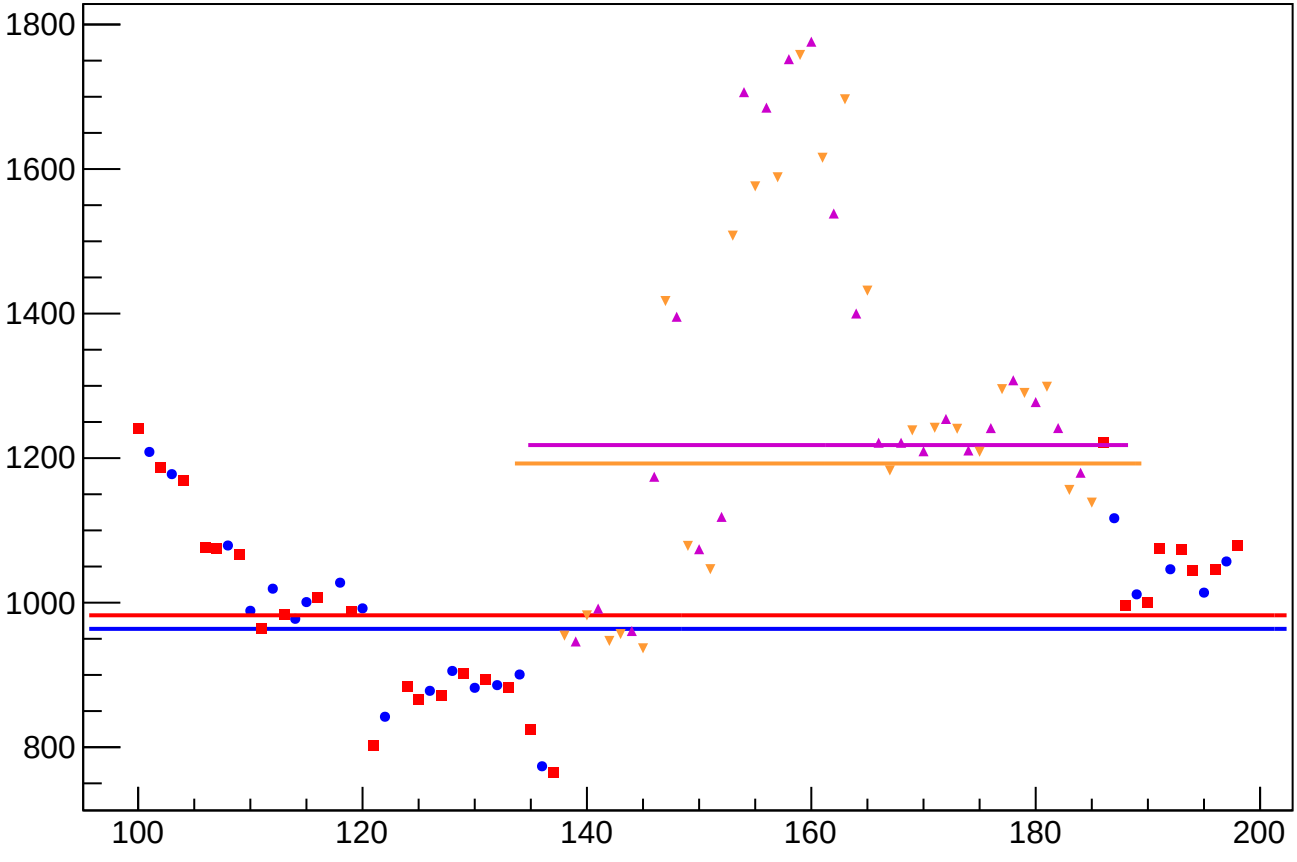
Right: -0.418+/-0.202 χ^2/NDF: 2412.9/47

In: -1.329+/-0.208 χ^2/NDF:834.4/43

Out: 1.317+/-0.195 χ^2/NDF:1598.0/51

All: 0.074+/-0.142 χ^2/NDF: 2518.5/95

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 963.748+/-0.210 χ^2/NDF: 306796.3/20

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 982.518+/-0.195 χ^2/NDF: 332920.3/26

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

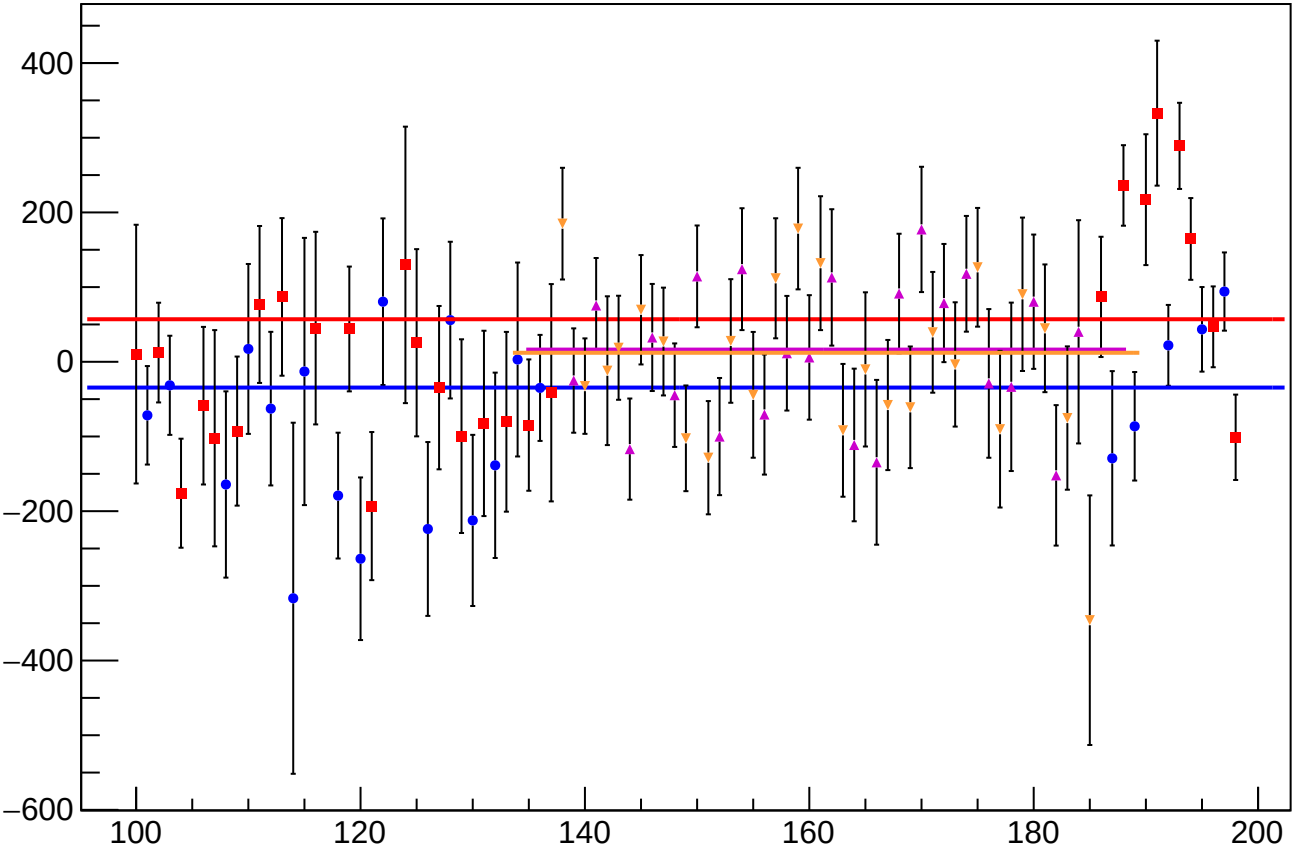
Right: 973.832+/-0.143 χ^2/NDF: 643997.1/47

In: 1094.032+/-0.147 χ^2/NDF:2183972.8/43

Out: 1087.284+/-0.138 χ^2/NDF:2230864.9/51

All: 1090.453+/-0.101 χ^2/NDF: 4415957.7/95

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -34.505+/-18.594 χ^2/NDF: 28.3/20

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

Right Out: 56.977+/-16.369 χ^2/NDF: 80.2/26

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

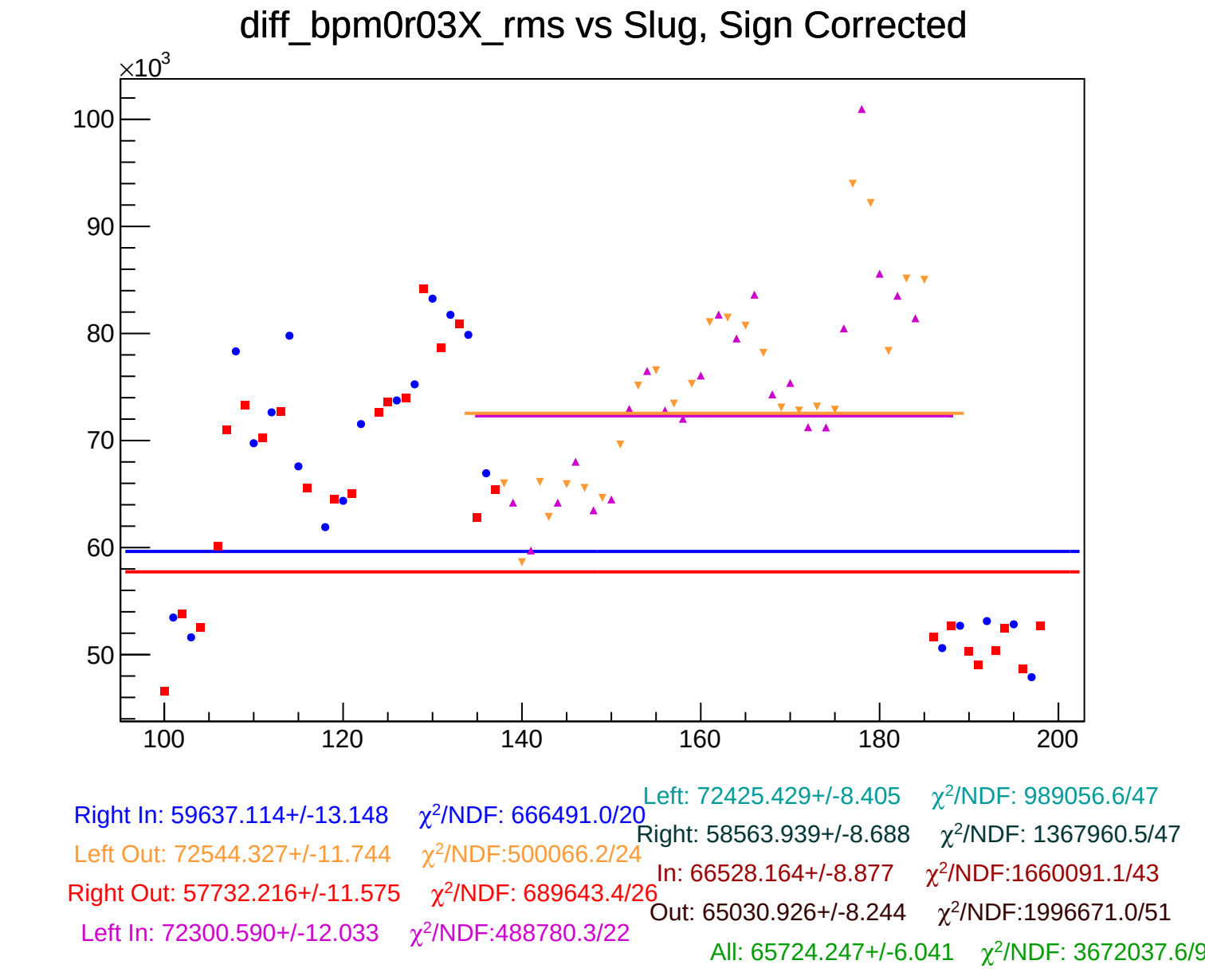
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 17.034+/-12.286 χ^2/NDF: 122.2/47

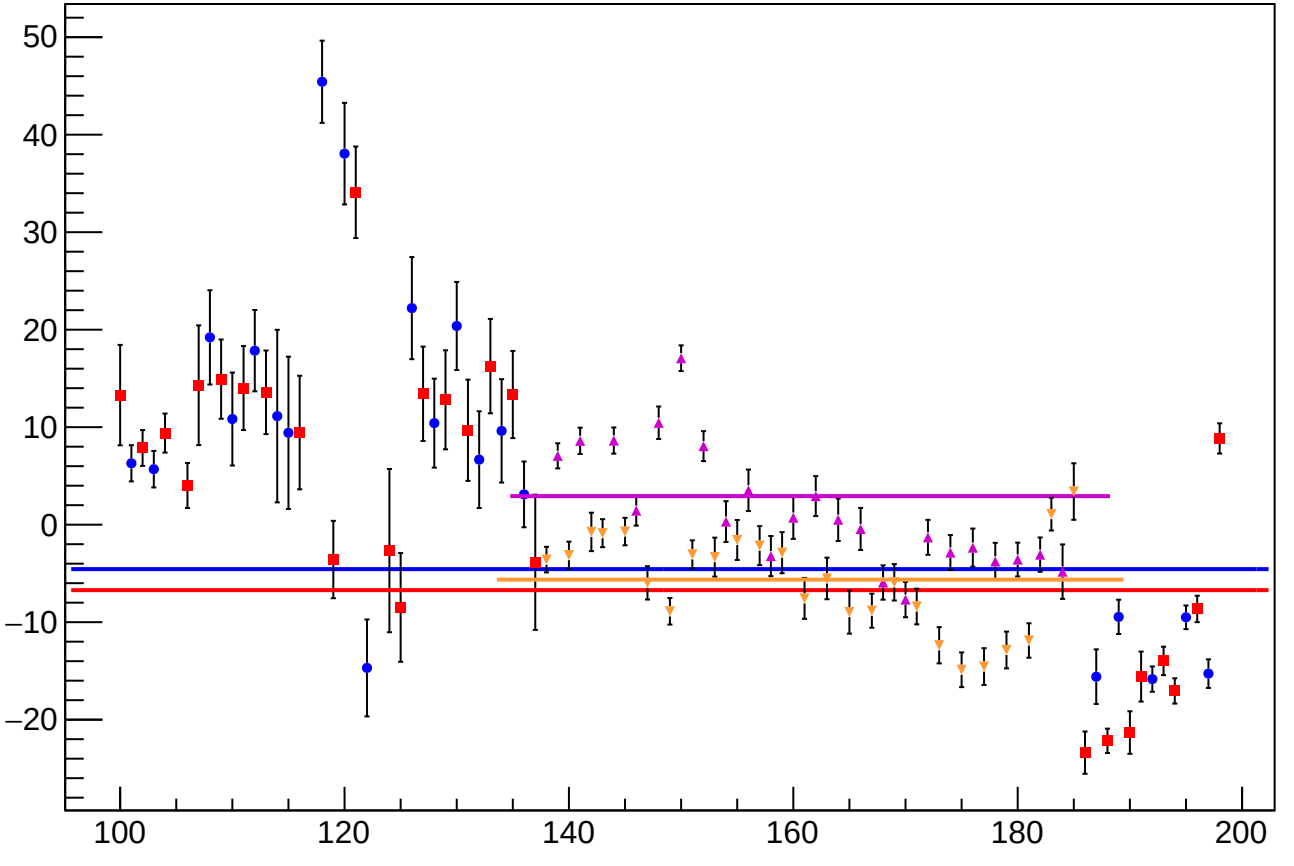
In: -6.837+/-12.554 χ^2/NDF:61.1/43

Out: 34.855+/-11.658 χ^2/NDF:116.7/51

All: 15.548+/-8.543 χ^2/NDF: 183.8/95


diff_bpm0r03X_rms vs Slug, Sign Corrected
×10^3
100
90
80
70
60
50
100
120
140
160
180
200
Right In: 59637.114+/-13.148 χ²/NDF: 666491.0/20
Left Out: 72544.327+/-11.744 χ²/NDF:500066.2/24
Right Out: 57732.216+/-11.575 χ²/NDF: 689643.4/26
Left In: 72300.590+/-12.033 χ²/NDF:488780.3/22
Left: 72425.429+/-8.405 χ²/NDF: 989056.6/47
Right: 58563.939+/-8.688 χ²/NDF: 1367960.5/47
In: 66528.164+/-8.877 χ²/NDF:1660091.1/43
Out: 65030.926+/-8.244 χ²/NDF:1996671.0/51
All: 65724.247+/-6.041 χ²/NDF: 3672037.6/9

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -4.557+/-0.545 χ^2/NDF: 599.0/20

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: -6.716+/-0.465 χ^2/NDF: 879.4/26

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

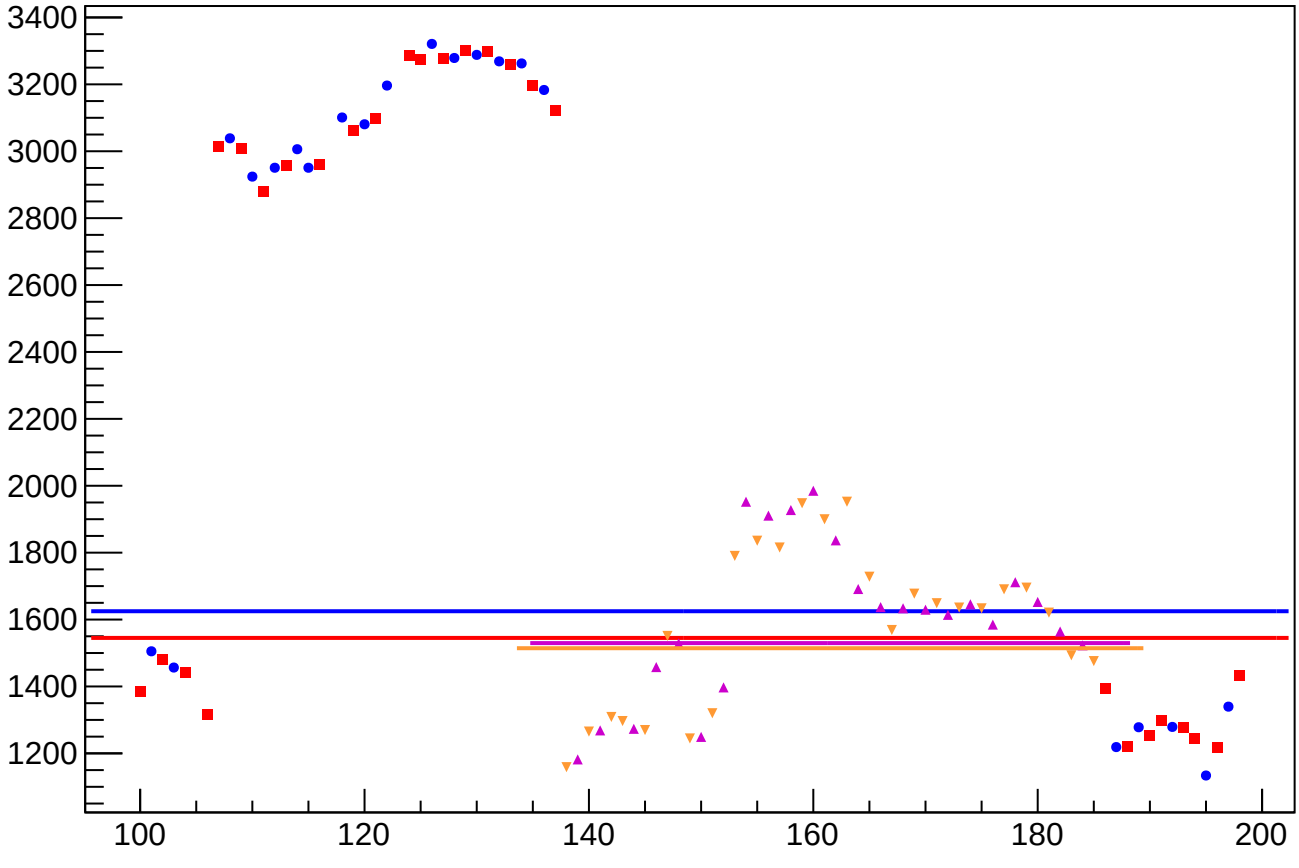
Right: -5.806+/-0.354 χ^2/NDF: 1487.4/47

In: 0.634+/-0.302 χ^2/NDF:1067.3/43

Out: -6.025+/-0.279 χ^2/NDF:1061.0/51

All: -2.954+/-0.205 χ^2/NDF: 2390.8/95

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 1624.903+/-0.385 χ^2/NDF: 3500388.7/20

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1545.133+/-0.329 χ^2/NDF: 3571268.2/26

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

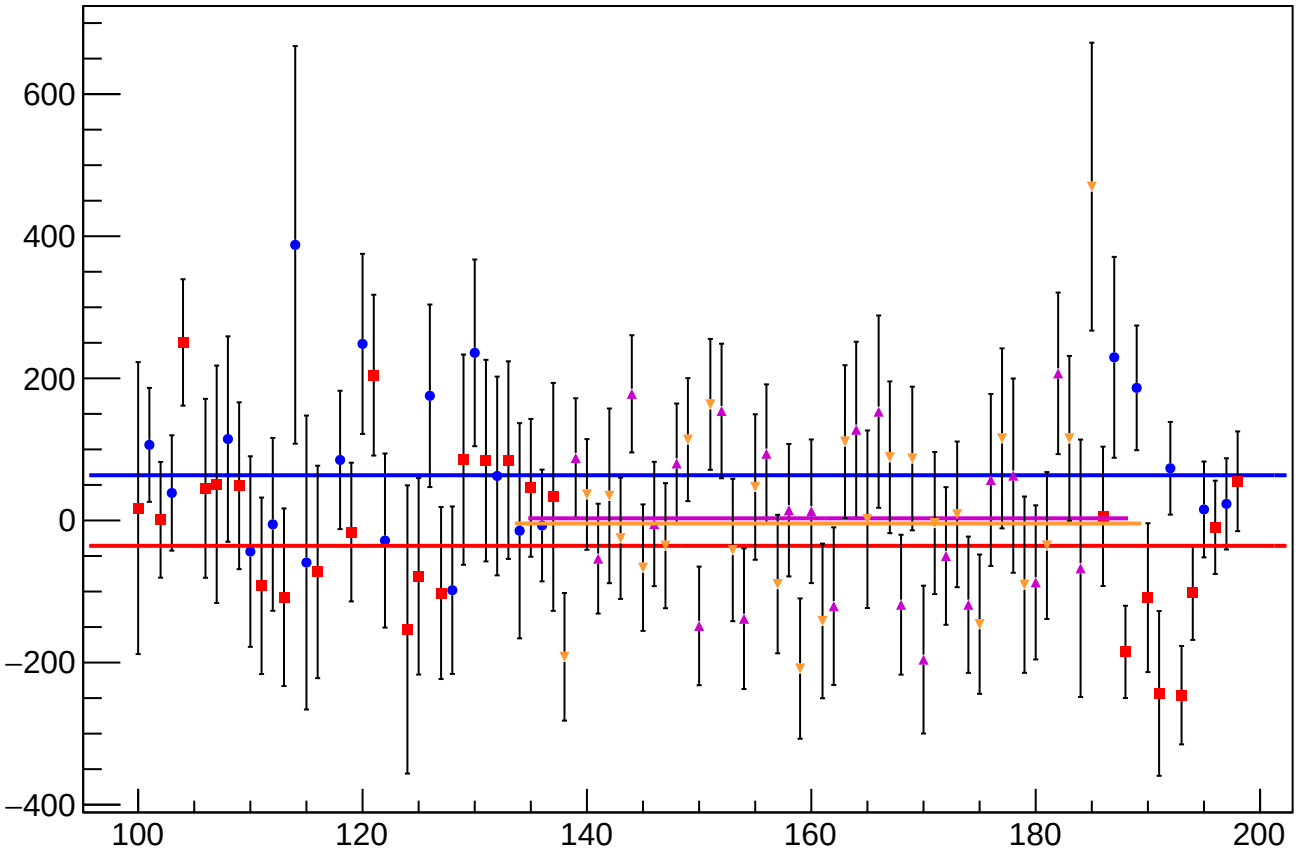
Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

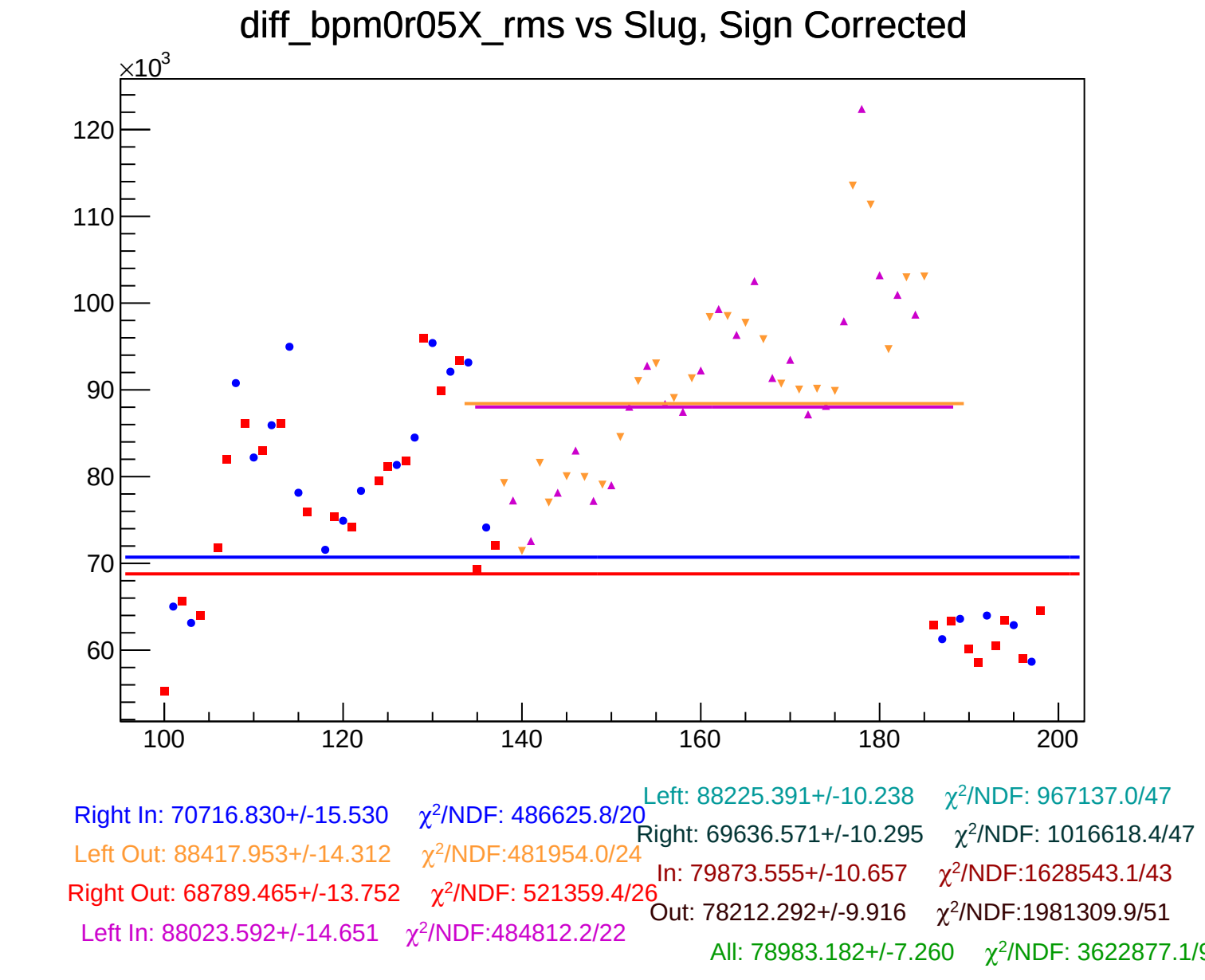
Right: 1578.747+/-0.250 χ^2/NDF: 7096461.7/47

In: 1558.841+/-0.213 χ^2/NDF:4371270.4/43

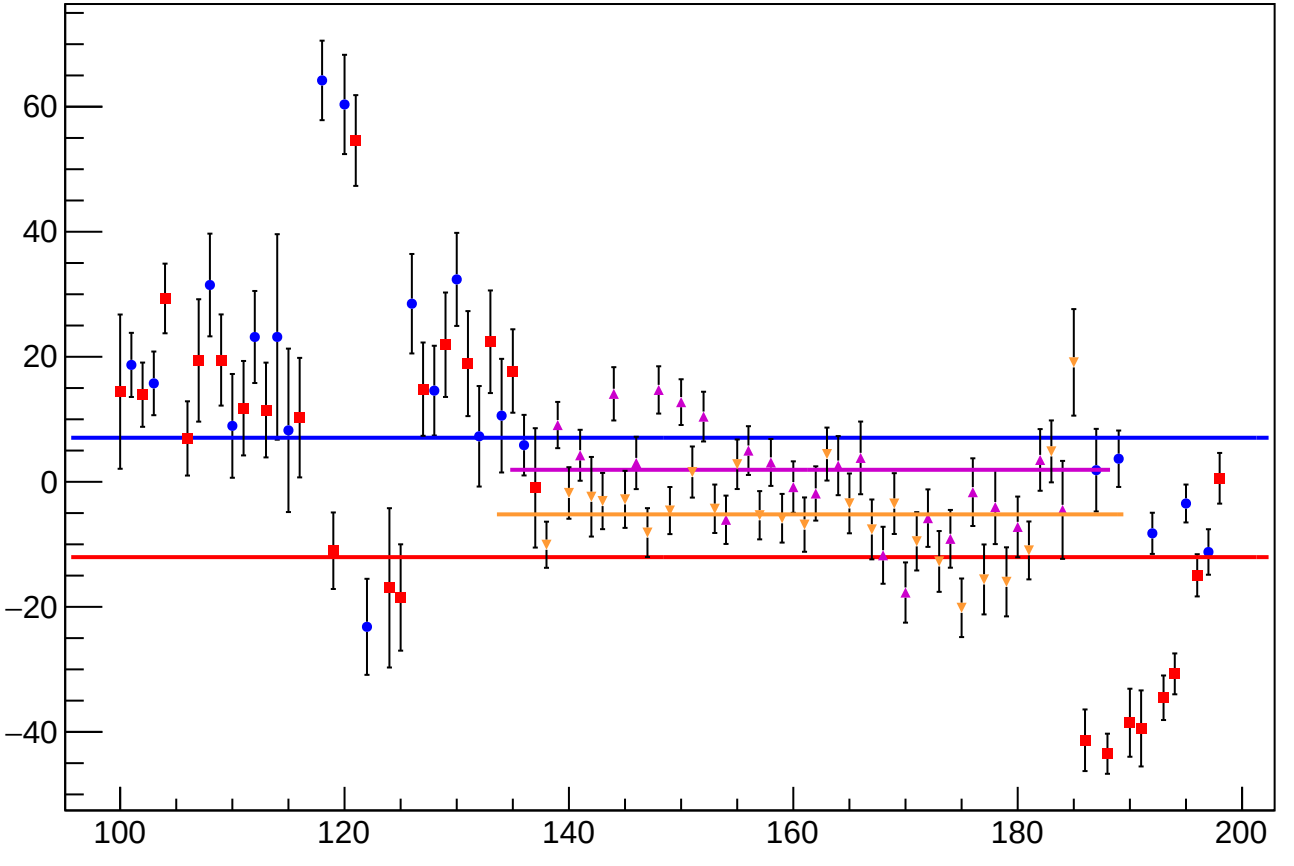
Out: 1525.434+/-0.197 χ^2/NDF:4510212.6/51

All: 1540.843+/-0.145 χ^2/NDF: 8894695.9/95


diff_bpm0r05X_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
100
120
140
160
180
200
Right In: 63.647+/-21.962 χ²/NDF: 15.6/20
Left Out: -4.274+/-20.240 χ²/NDF:30.4/24
Right Out: -35.677+/-19.448 χ²/NDF: 41.9/26
Left In: 3.017+/-20.720 χ²/NDF:30.7/22
Left: -0.714+/-14.478 χ²/NDF: 61.2/47
Right: 7.977+/-14.560 χ²/NDF: 69.0/47
In: 31.569+/-15.071 χ²/NDF:50.4/43
Out: -20.602+/-14.024 χ²/NDF:73.6/51
All: 3.607+/-10.267 χ²/NDF: 130.4/95


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
120
110
100
90
80
70
60
100
120
140
160
180
200
Right In: 70716.830+/-15.530 χ²/NDF: 486625.8/20
Left Out: 88417.953+/-14.312 χ²/NDF:481954.0/24
Right Out: 68789.465+/-13.752 χ²/NDF: 521359.4/26
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
Left: 88225.391+/-10.238 χ²/NDF: 967137.0/47
Right: 69636.571+/-10.295 χ²/NDF: 1016618.4/47
In: 79873.555+/-10.657 χ²/NDF:1628543.1/43
Out: 78212.292+/-9.916 χ²/NDF:1981309.9/51
All: 78983.182+/-7.260 χ²/NDF: 3622877.1/9

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 7.049+/-1.228 χ^2/NDF: 244.3/20

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: -12.046+/-1.078 χ^2/NDF: 575.0/26

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

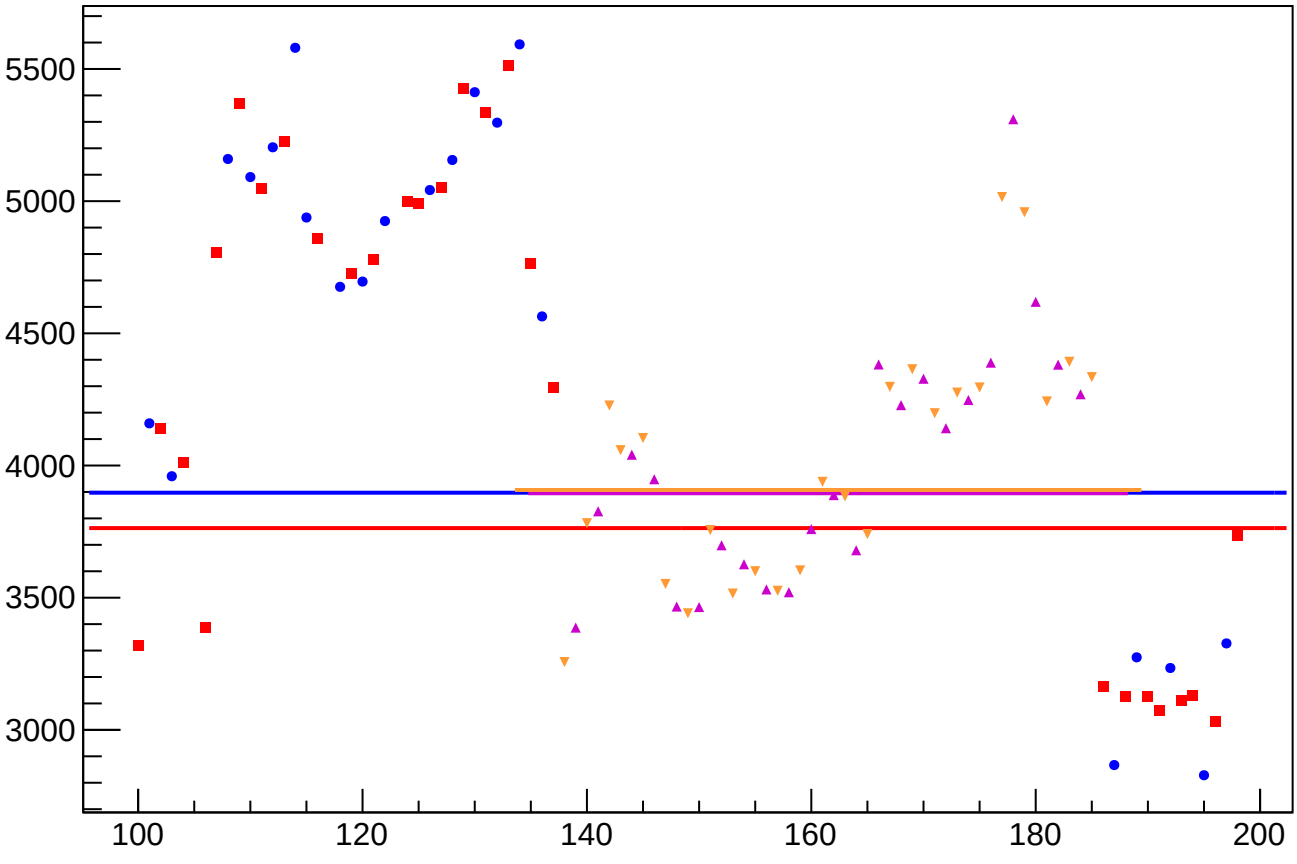
Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

Right: -3.734+/-0.810 χ^2/NDF: 955.8/47

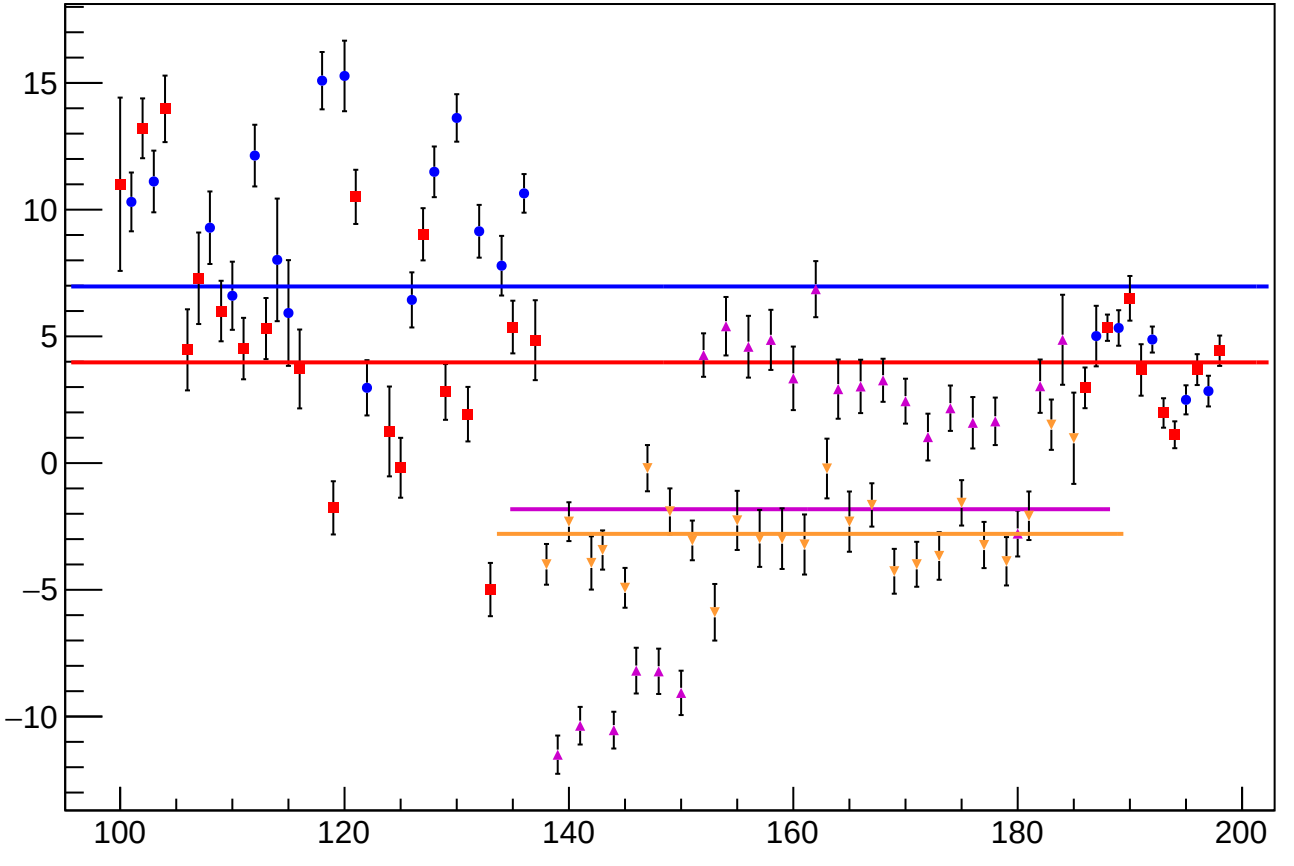
In: 3.757+/-0.734 χ^2/NDF:338.7/43

Out: -7.993+/-0.688 χ^2/NDF:649.8/51

All: -2.499+/-0.502 χ^2/NDF: 1124.9/95


diff_bpm0r05Y_rms vs Slug, Sign Corrected
5500
5000
4500
4000
3500
3000
100
120
140
160
180
200
Right In: 3897.170+/-0.868 χ²/NDF: 1096321.4/20
Left Out: 3907.465+/-0.632 χ²/NDF:441202.5/24
Right Out: 3763.299+/-0.762 χ²/NDF: 1201037.5/26
Left In: 3895.108+/-0.648 χ²/NDF:409913.9/22
Left: 3901.439+/-0.452 χ²/NDF: 851302.8/47
Right: 3821.574+/-0.573 χ²/NDF: 2310787.8/47
In: 3895.845+/-0.519 χ²/NDF:1506238.9/43
Out: 3848.724+/-0.487 χ²/NDF:1663438.9/51
All: 3870.754+/-0.355 χ²/NDF: 3174063.3/95

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 6.969+/-0.203 χ^2/NDF: 372.7/20

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: 3.974+/-0.177 χ^2/NDF: 375.4/26

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

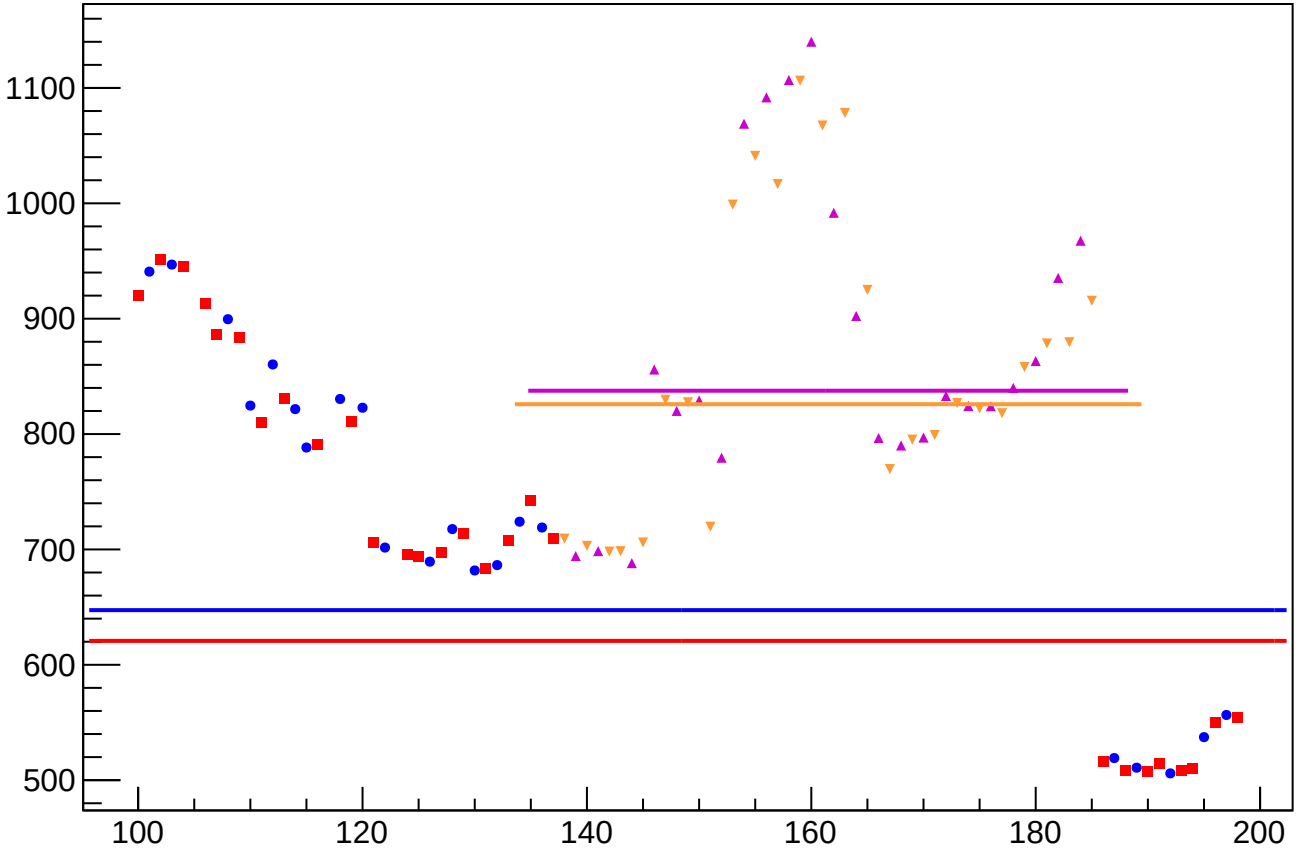
Right: 5.272+/-0.134 χ^2/NDF: 871.7/47

In: 2.473+/-0.142 χ^2/NDF:2359.7/43

Out: 0.824+/-0.130 χ^2/NDF:1121.2/51

All: 1.576+/-0.096 χ^2/NDF: 3554.6/95

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 647.381+/-0.143 χ^2/NDF: 929637.1/20

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 620.742+/-0.125 χ^2/NDF: 1201086.8/26

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

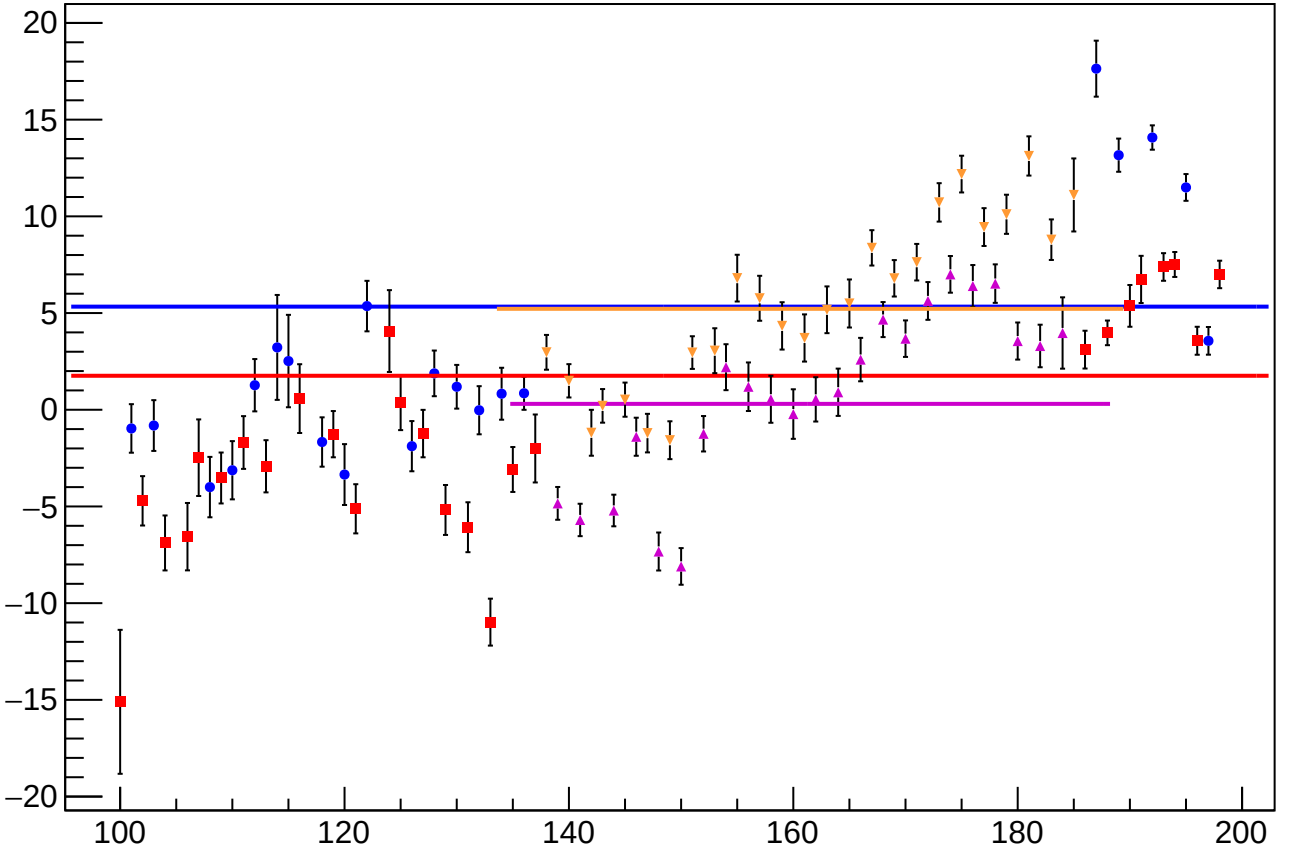
Right: 632.289+/-0.094 χ^2/NDF: 2150275.1/47

In: 744.670+/-0.100 χ^2/NDF:2543624.1/43

Out: 716.241+/-0.092 χ^2/NDF:3211305.9/51

All: 729.196+/-0.068 χ^2/NDF: 5798726.5/95

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 5.332+/-0.238 χ^2/NDF: 729.8/20

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: 1.757+/-0.210 χ^2/NDF: 631.5/26

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

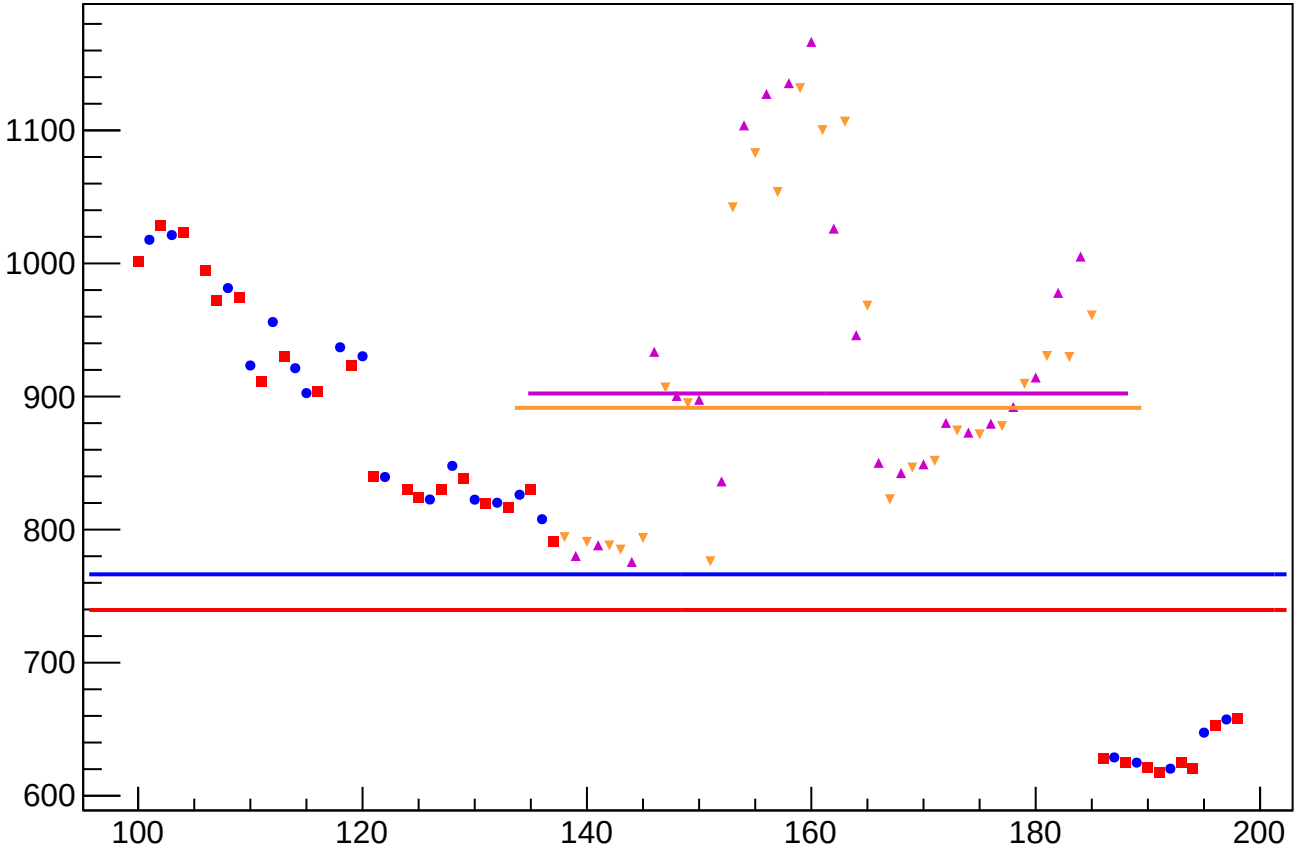
Right: 3.318+/-0.158 χ^2/NDF: 1488.0/47

In: 2.532+/-0.159 χ^2/NDF:1472.7/43

Out: 3.534+/-0.146 χ^2/NDF:1221.1/51

All: 3.073+/-0.108 χ^2/NDF: 2715.3/95

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 766.395+/-0.169 χ^2/NDF: 647615.9/20

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 739.604+/-0.148 χ^2/NDF: 848121.5/26

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

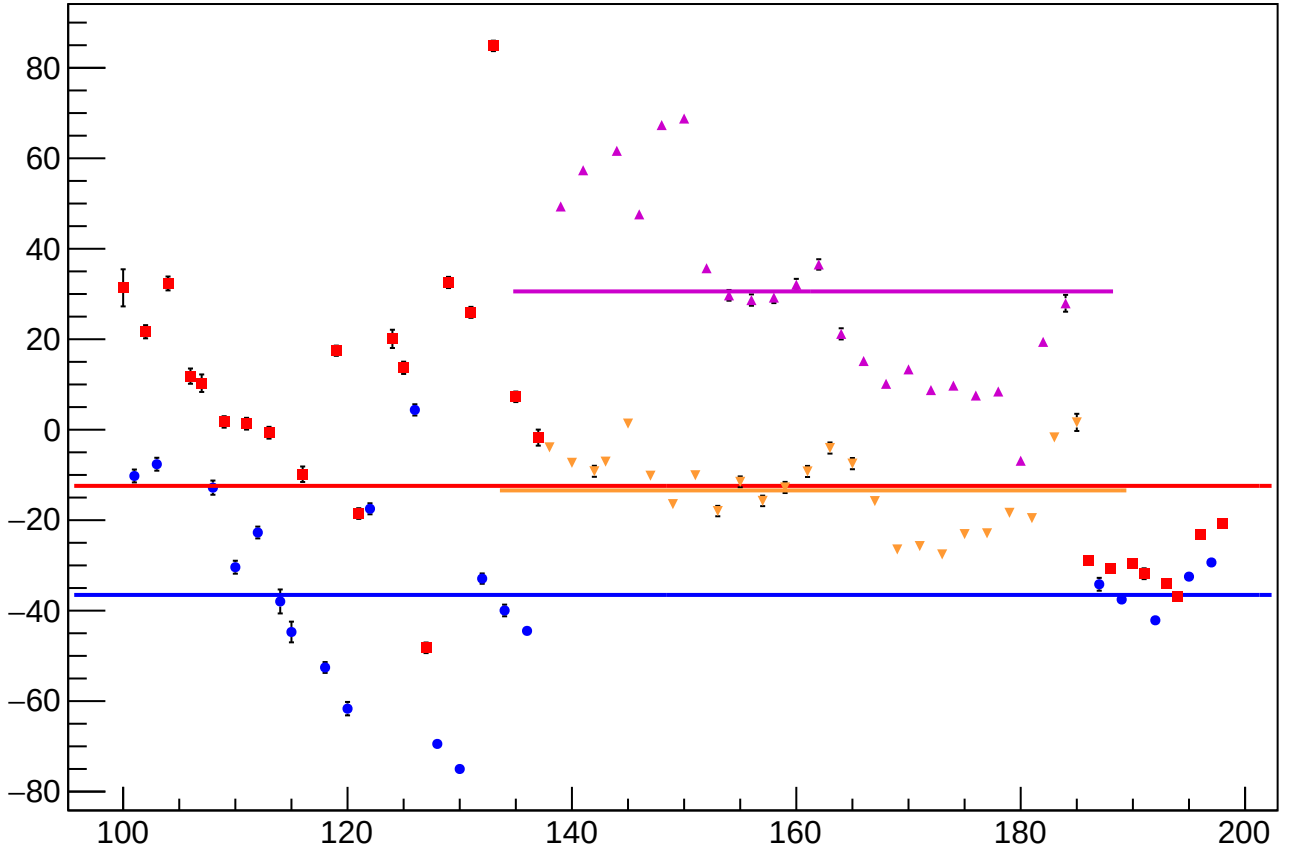
Right: 751.299+/-0.111 χ^2/NDF: 1509964.4/47

In: 842.087+/-0.112 χ^2/NDF:1494371.2/43

Out: 817.565+/-0.104 χ^2/NDF:1903586.6/51

All: 828.840+/-0.076 χ^2/NDF: 3423750.3/95

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -36.524+/-0.233 χ^2/NDF: 5416.1/20

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: -12.416+/-0.205 χ^2/NDF: 18742.2/26

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

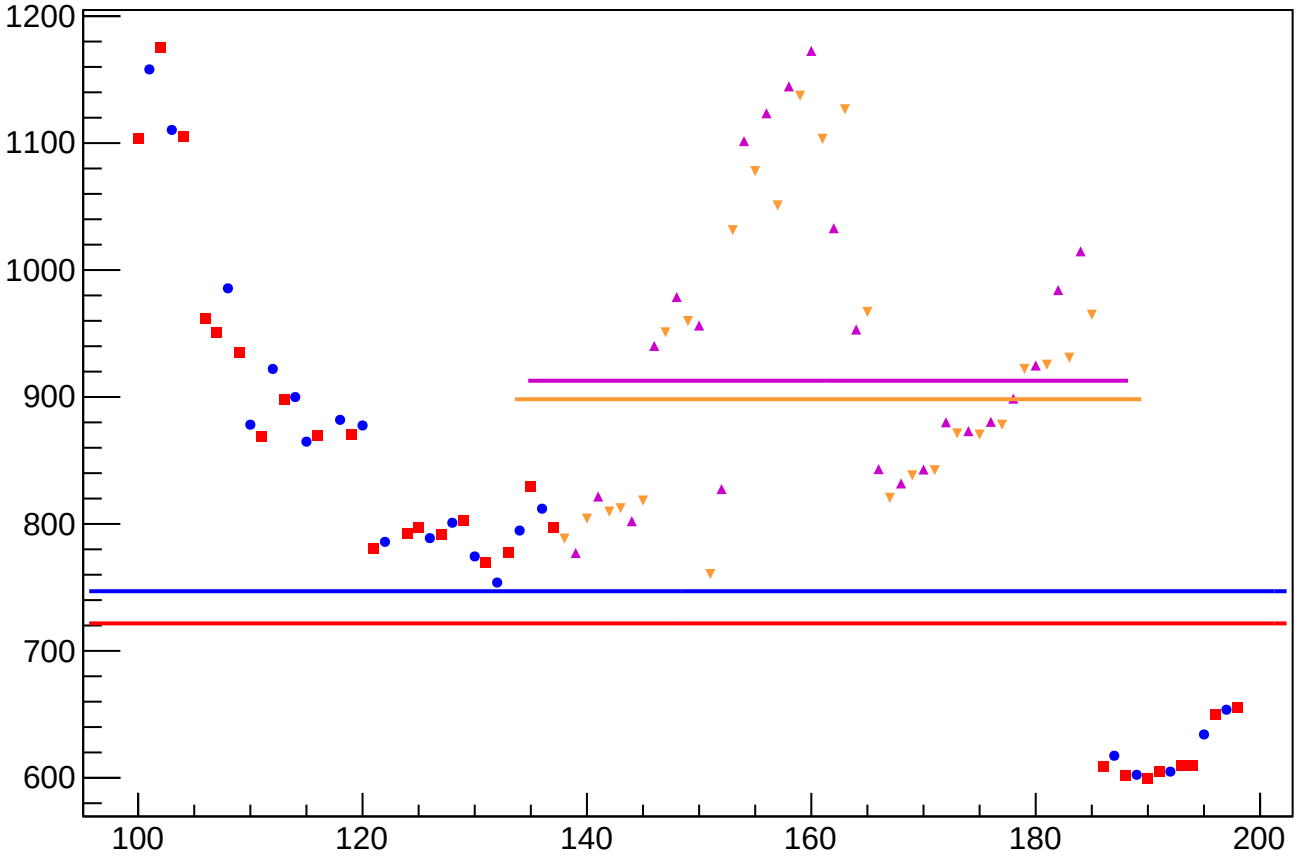
Right: -22.944+/-0.154 χ^2/NDF: 30191.6/47

In: -0.320+/-0.158 χ^2/NDF:60568.3/43

Out: -12.916+/-0.145 χ^2/NDF:20417.5/51

All: -7.146+/-0.107 χ^2/NDF: 84427.5/95

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 746.999+/-0.165 χ^2/NDF: 746553.5/20

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 721.653+/-0.145 χ^2/NDF: 934852.5/26

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

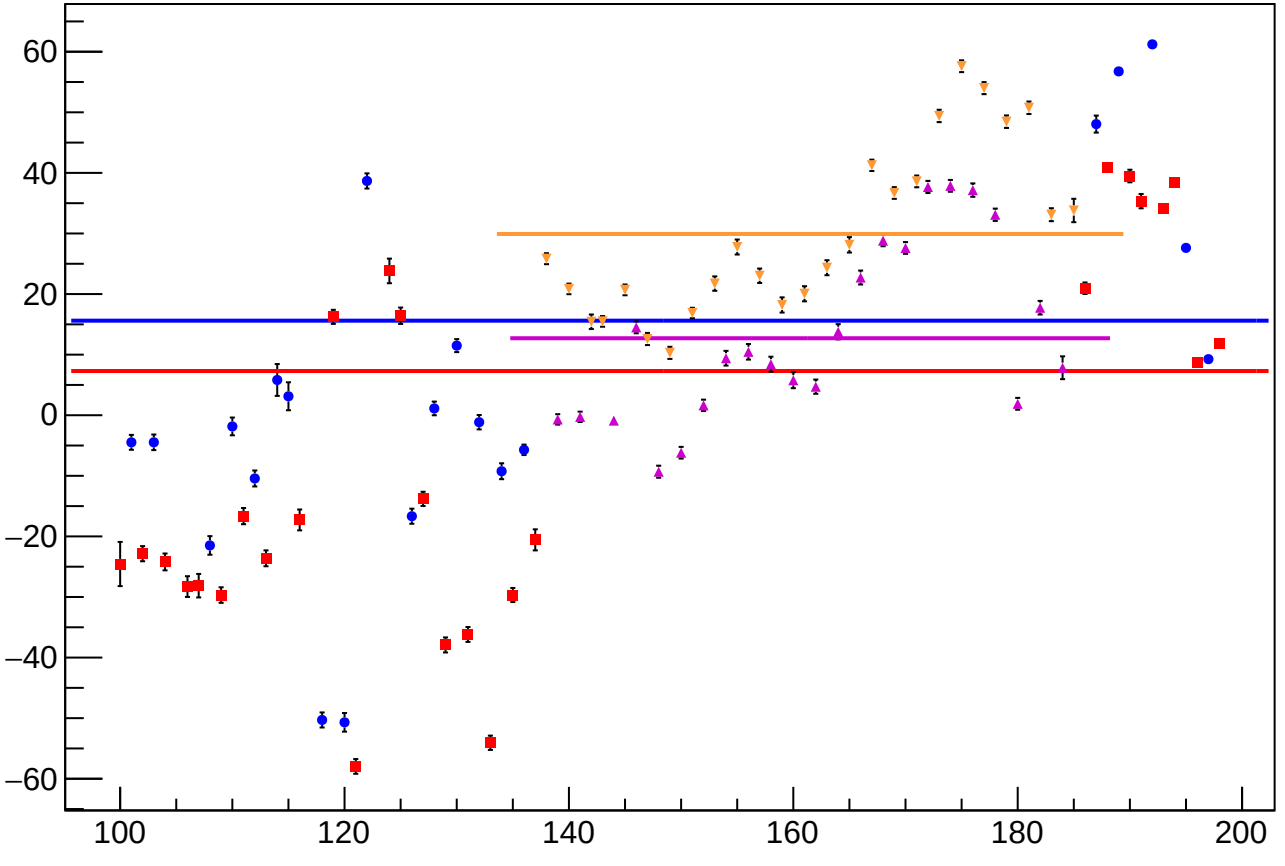
Right: 732.721+/-0.109 χ^2/NDF: 1694744.1/47

In: 836.474+/-0.112 χ^2/NDF:1773401.7/43

Out: 809.575+/-0.103 χ^2/NDF:2191318.7/51

All: 821.897+/-0.076 χ^2/NDF: 3996109.0/95

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: 15.609+/-0.231 χ^2/NDF: 17768.1/20

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: 7.299+/-0.203 χ^2/NDF: 22549.9/26

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

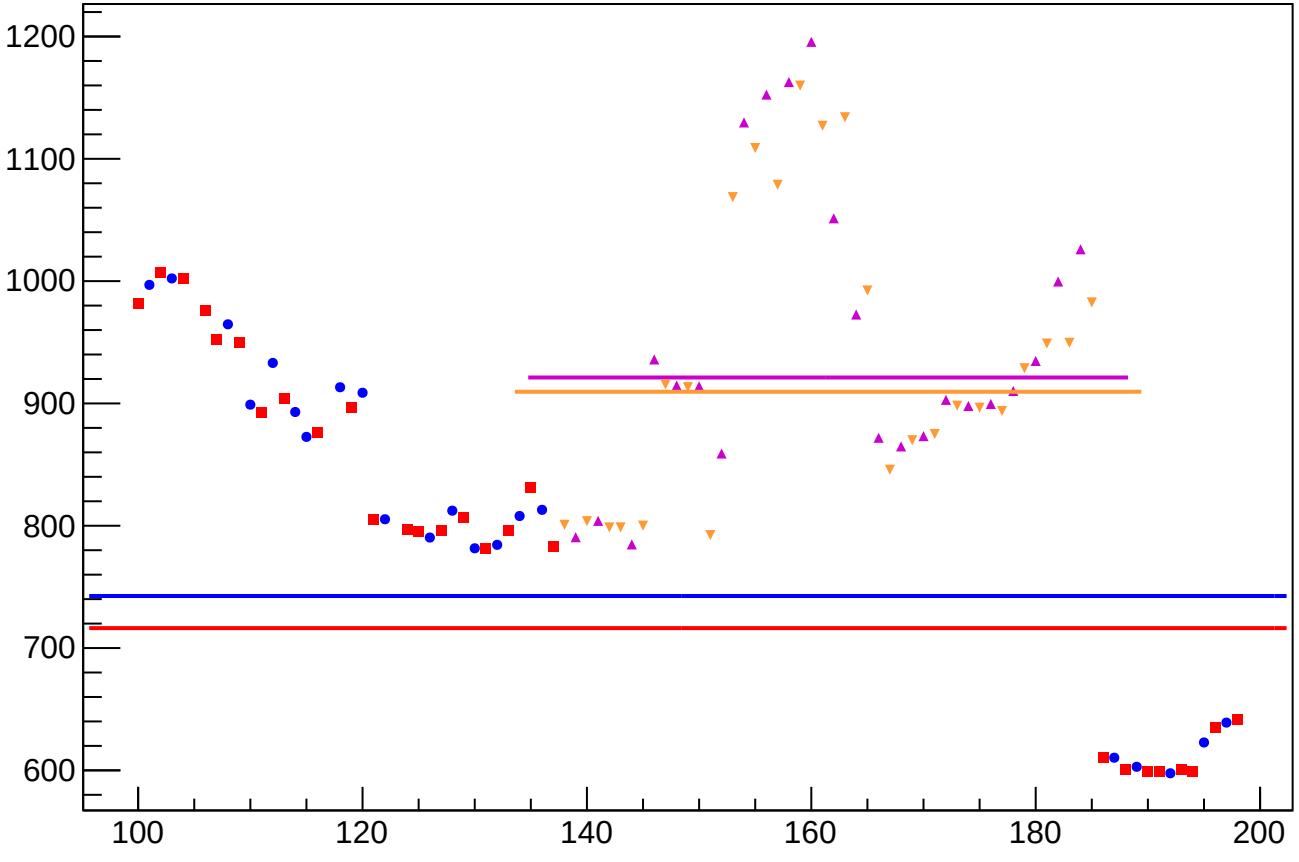
Right: 10.924+/-0.153 χ^2/NDF: 41046.3/47

In: 14.068+/-0.158 χ^2/NDF:22643.0/43

Out: 18.325+/-0.146 χ^2/NDF:33161.6/51

All: 16.374+/-0.107 χ^2/NDF: 56196.6/95

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 742.553+/-0.163 χ^2/NDF: 684364.7/20

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 716.304+/-0.144 χ^2/NDF: 883538.4/26

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

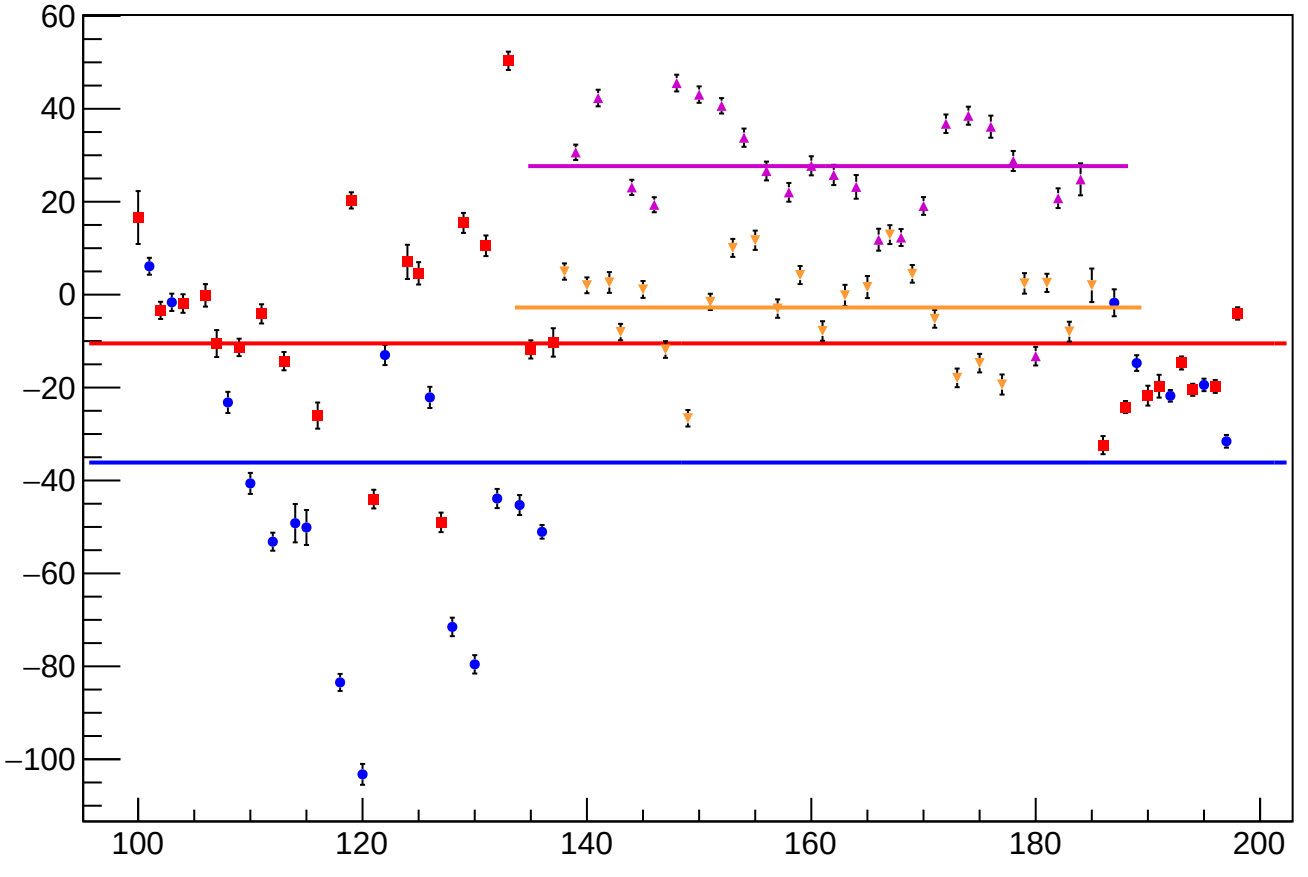
Right: 727.754+/-0.108 χ^2/NDF: 1582438.6/47

In: 837.478+/-0.112 χ^2/NDF:1816186.0/43

Out: 810.490+/-0.103 χ^2/NDF:2305485.0/51

All: 822.861+/-0.076 χ^2/NDF: 4153167.2/95

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -36.138+/-0.412 χ^2/NDF: 4260.1/20

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: -10.492+/-0.370 χ^2/NDF: 2712.8/26

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

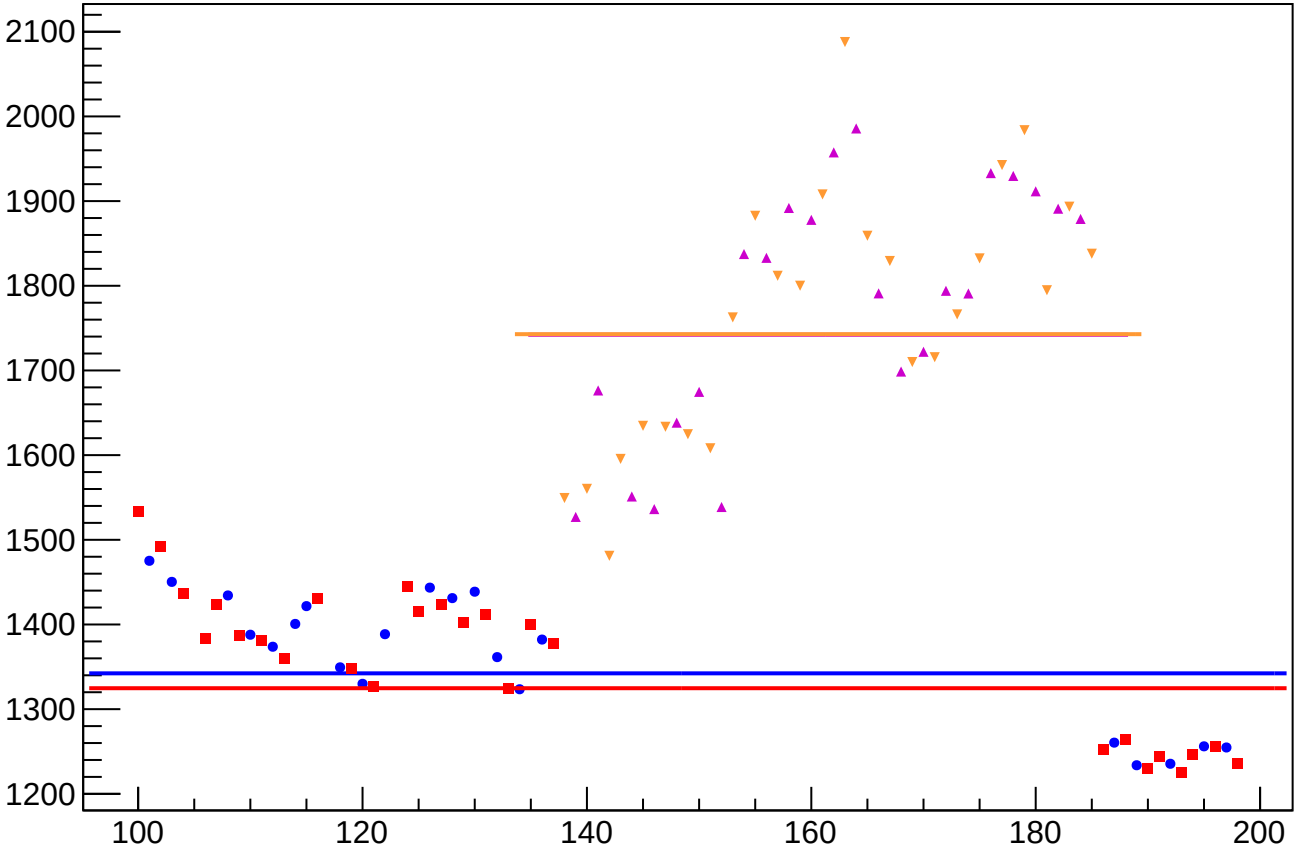
Right: -21.955+/-0.275 χ^2/NDF: 9117.3/47

In: -3.995+/-0.290 χ^2/NDF:17340.4/43

Out: -6.903+/-0.271 χ^2/NDF:3531.2/51

All: -5.548+/-0.198 χ^2/NDF: 20925.2/95

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1342.305+/-0.291 χ^2/NDF: 79574.6/20

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1324.741+/-0.262 χ^2/NDF: 99544.8/26

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

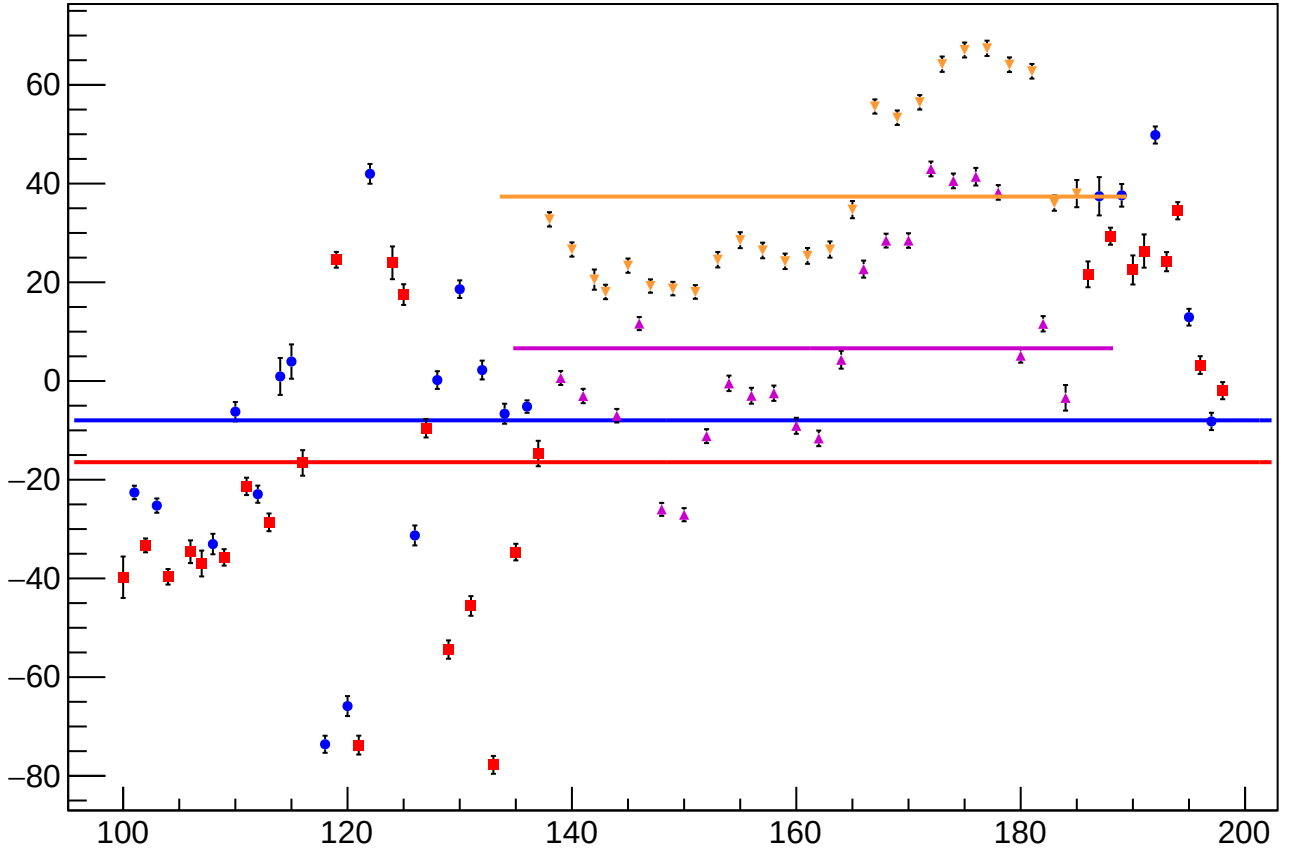
Right: 1332.592+/-0.195 χ^2/NDF: 181131.0/47

In: 1543.749+/-0.205 χ^2/NDF:1290935.6/43

Out: 1519.020+/-0.192 χ^2/NDF:1547714.0/51

All: 1530.539+/-0.140 χ^2/NDF: 2846412.8/95

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -7.970+/-0.405 χ^2/NDF: 5578.8/20

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: -16.450+/-0.378 χ^2/NDF: 7315.2/26

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

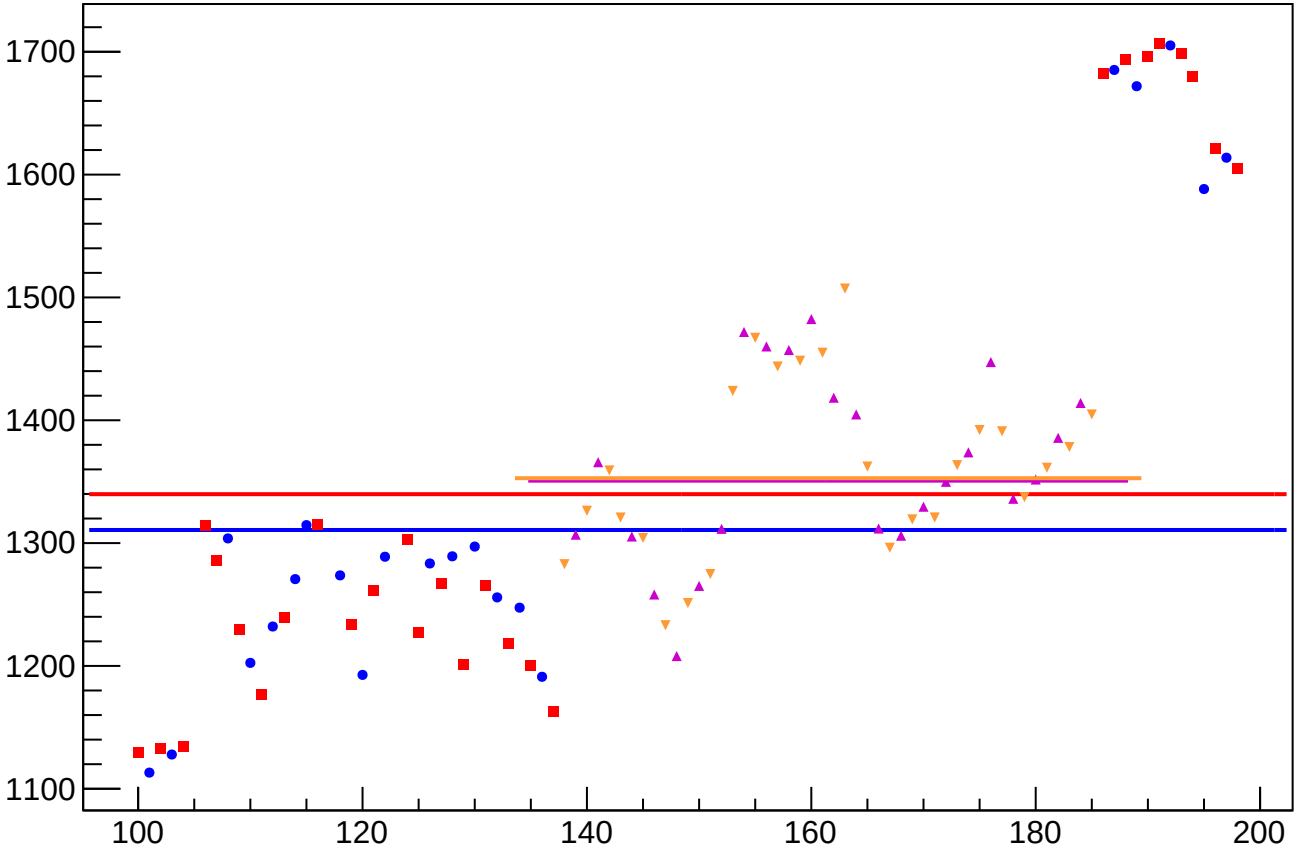
Right: -12.502+/-0.277 χ^2/NDF: 13127.9/47

In: 1.110+/-0.249 χ^2/NDF:10796.1/43

Out: 15.929+/-0.239 χ^2/NDF:22884.7/51

All: 8.837+/-0.172 χ^2/NDF: 35523.8/95

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1310.672+/-0.287 χ^2/NDF: 398954.9/20

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1339.829+/-0.268 χ^2/NDF: 594633.3/26

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

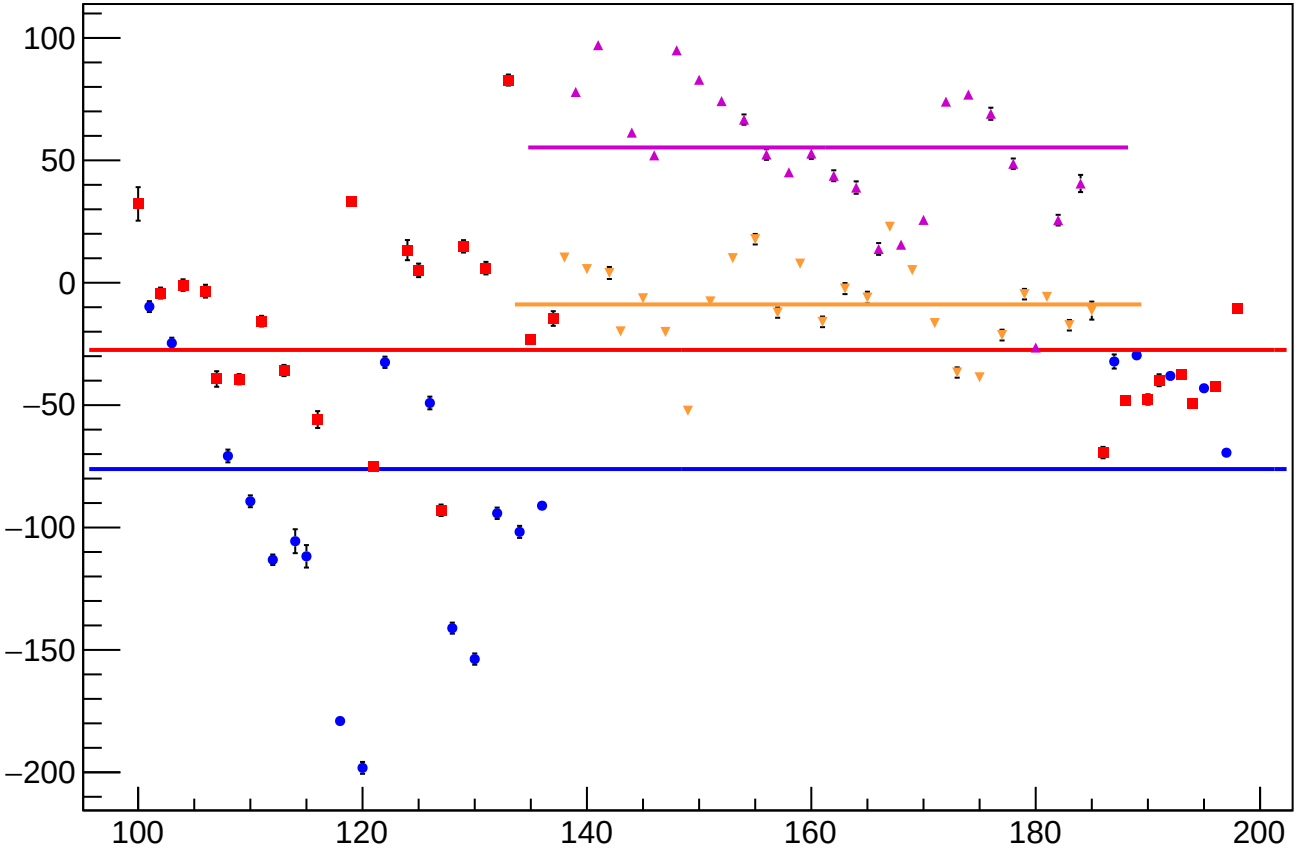
Right: 1326.254+/-0.196 χ^2/NDF: 999118.5/47

In: 1335.645+/-0.176 χ^2/NDF:519780.9/43

Out: 1347.645+/-0.169 χ^2/NDF:700897.3/51

All: 1341.902+/-0.122 χ^2/NDF: 1223095.2/95

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -76.117+/-0.450 χ^2/NDF: 12088.2/20

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: -27.444+/-0.402 χ^2/NDF: 7156.7/26

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

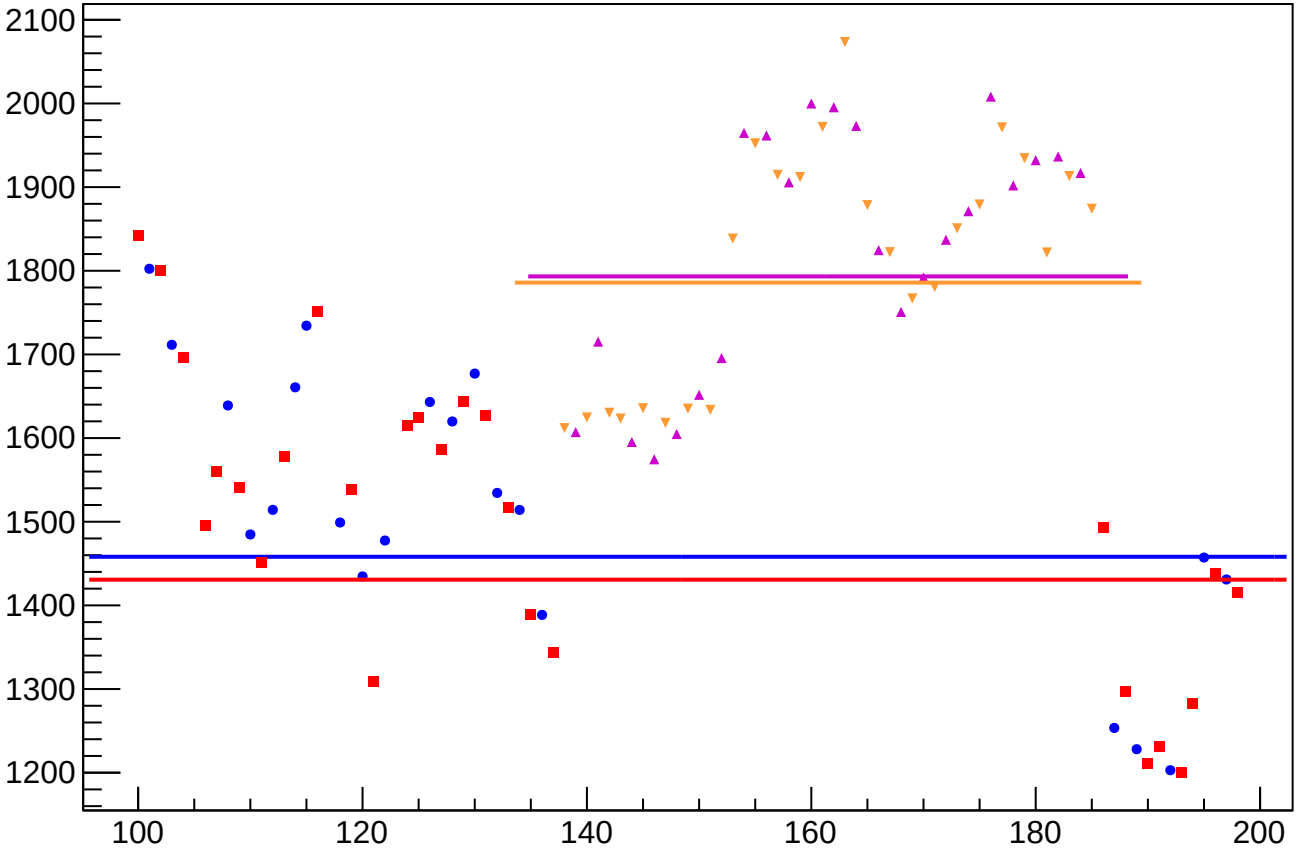
Right: -49.061+/-0.300 χ^2/NDF: 25759.2/47

In: -6.032+/-0.307 χ^2/NDF:62375.7/43

Out: -18.273+/-0.286 χ^2/NDF:10165.1/51

All: -12.587+/-0.209 χ^2/NDF: 73391.6/95

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1458.108+/-0.318 χ^2/NDF: 279025.1/20

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1430.724+/-0.284 χ^2/NDF: 329821.1/26

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

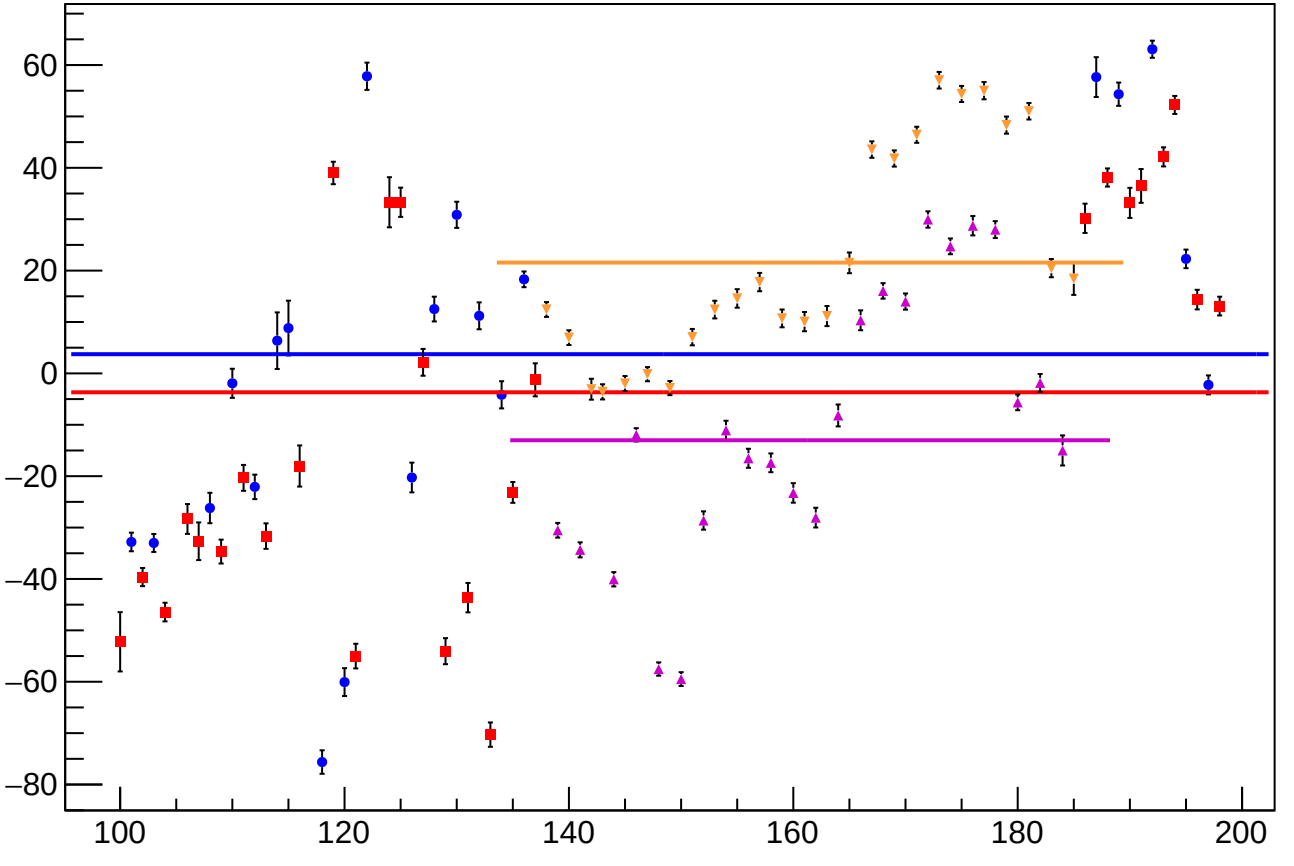
Right: 1442.886+/-0.212 χ^2/NDF: 612970.2/47

In: 1636.884+/-0.217 χ^2/NDF:1124617.1/43

Out: 1605.957+/-0.202 χ^2/NDF:1337621.7/51

All: 1620.323+/-0.148 χ^2/NDF: 2473099.6/95

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: 3.738+/-0.502 χ^2/NDF: 5626.4/20

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: -3.677+/-0.459 χ^2/NDF: 6889.5/26

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

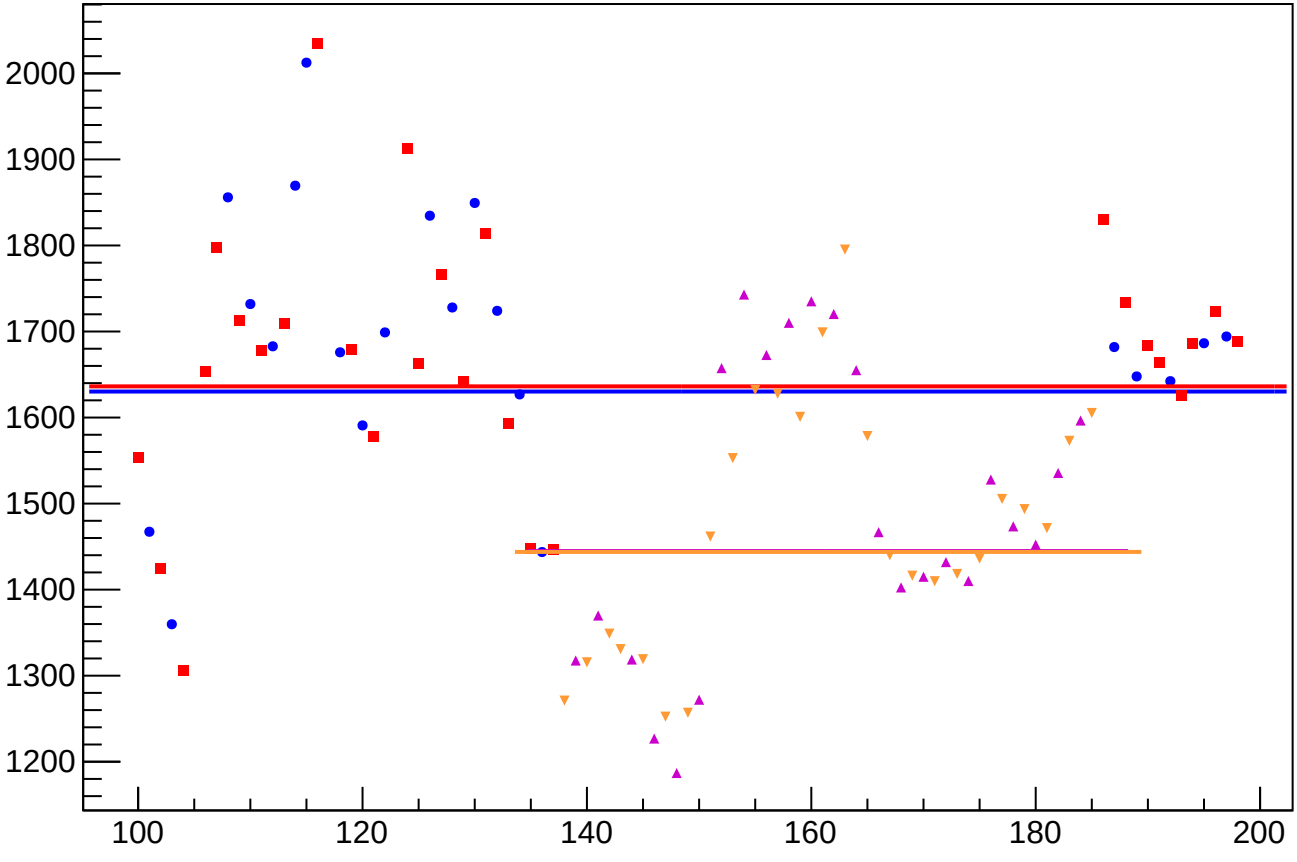
Right: -0.302+/-0.339 χ^2/NDF: 12634.9/47

In: -7.745+/-0.282 χ^2/NDF:13017.1/43

Out: 12.963+/-0.268 χ^2/NDF:13045.7/51

All: 3.124+/-0.194 χ^2/NDF: 28902.5/95

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1630.236+/-0.355 χ^2/NDF: 161233.7/20

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1636.242+/-0.324 χ^2/NDF: 193435.2/26

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

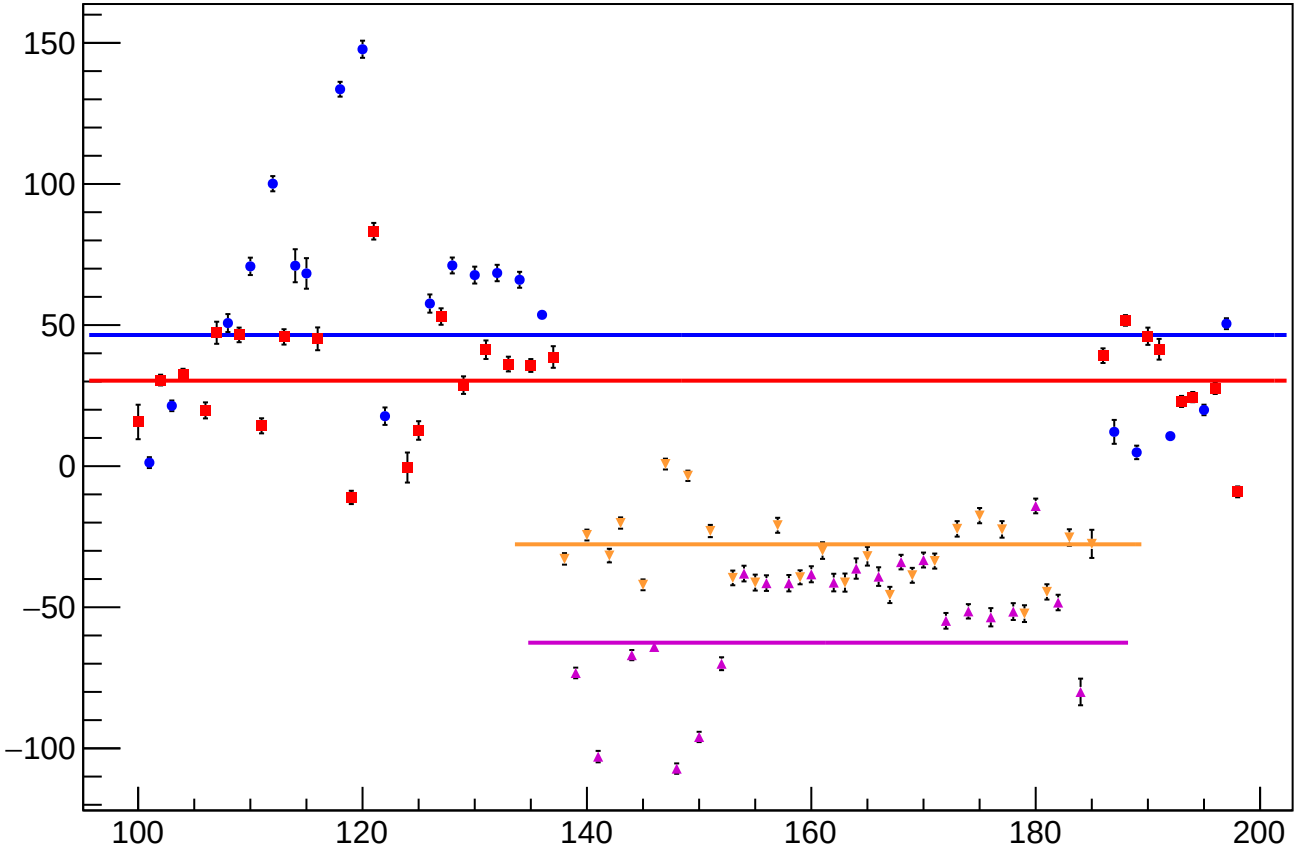
Right: 1633.508+/-0.239 χ^2/NDF: 354824.9/47

In: 1503.141+/-0.199 χ^2/NDF:833528.6/43

Out: 1509.404+/-0.189 χ^2/NDF:777685.7/51

All: 1506.428+/-0.137 χ^2/NDF: 1611733.8/95

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 46.485+/-0.549 χ^2/NDF: 4760.5/20

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: 30.301+/-0.495 χ^2/NDF: 1564.9/26

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

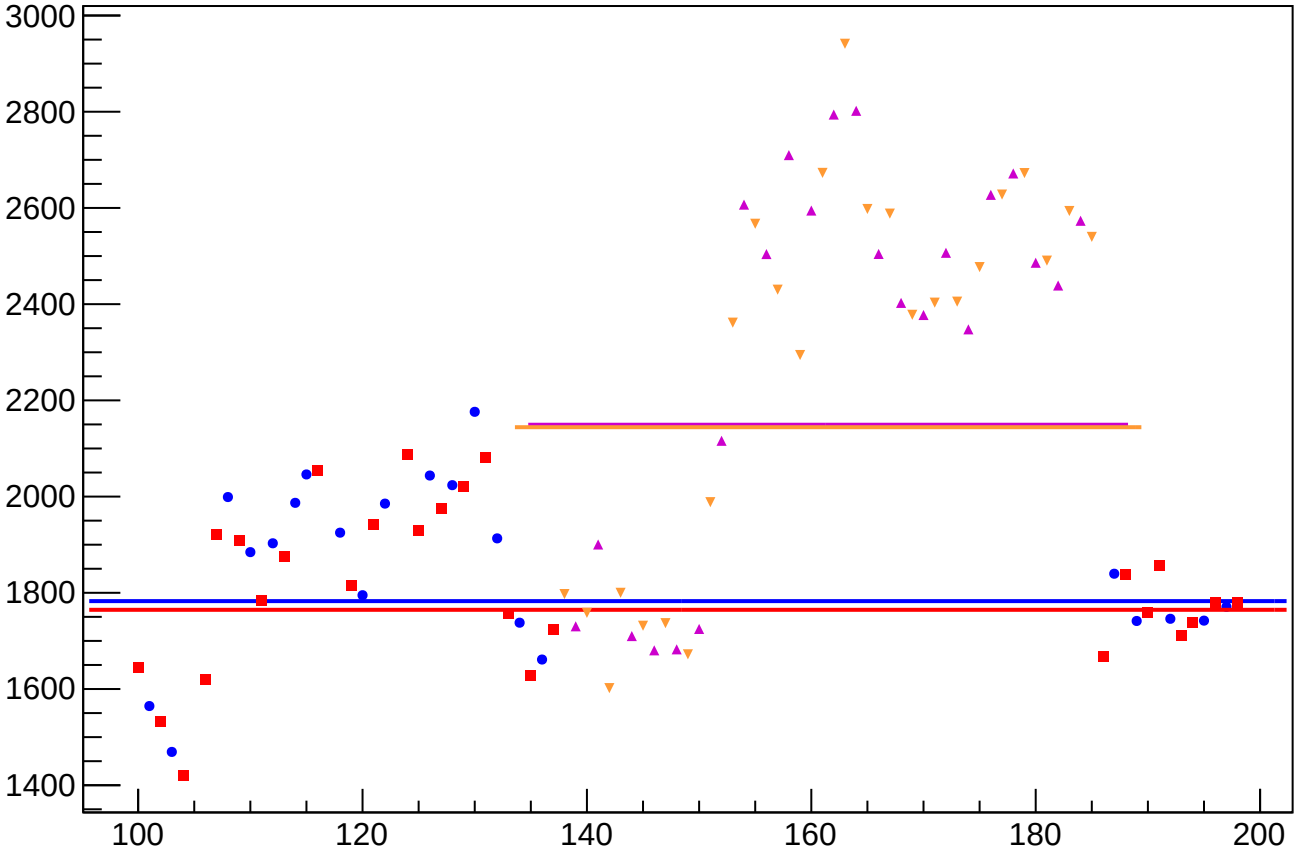
Right: 37.551+/-0.368 χ^2/NDF: 6804.9/47

In: -11.874+/-0.374 χ^2/NDF:28322.0/43

Out: 1.386+/-0.350 χ^2/NDF:9184.8/51

All: -4.803+/-0.256 χ^2/NDF: 38175.6/95

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1782.734+/-0.388 χ^2/NDF: 196854.7/20

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1764.649+/-0.350 χ^2/NDF: 199195.0/26

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

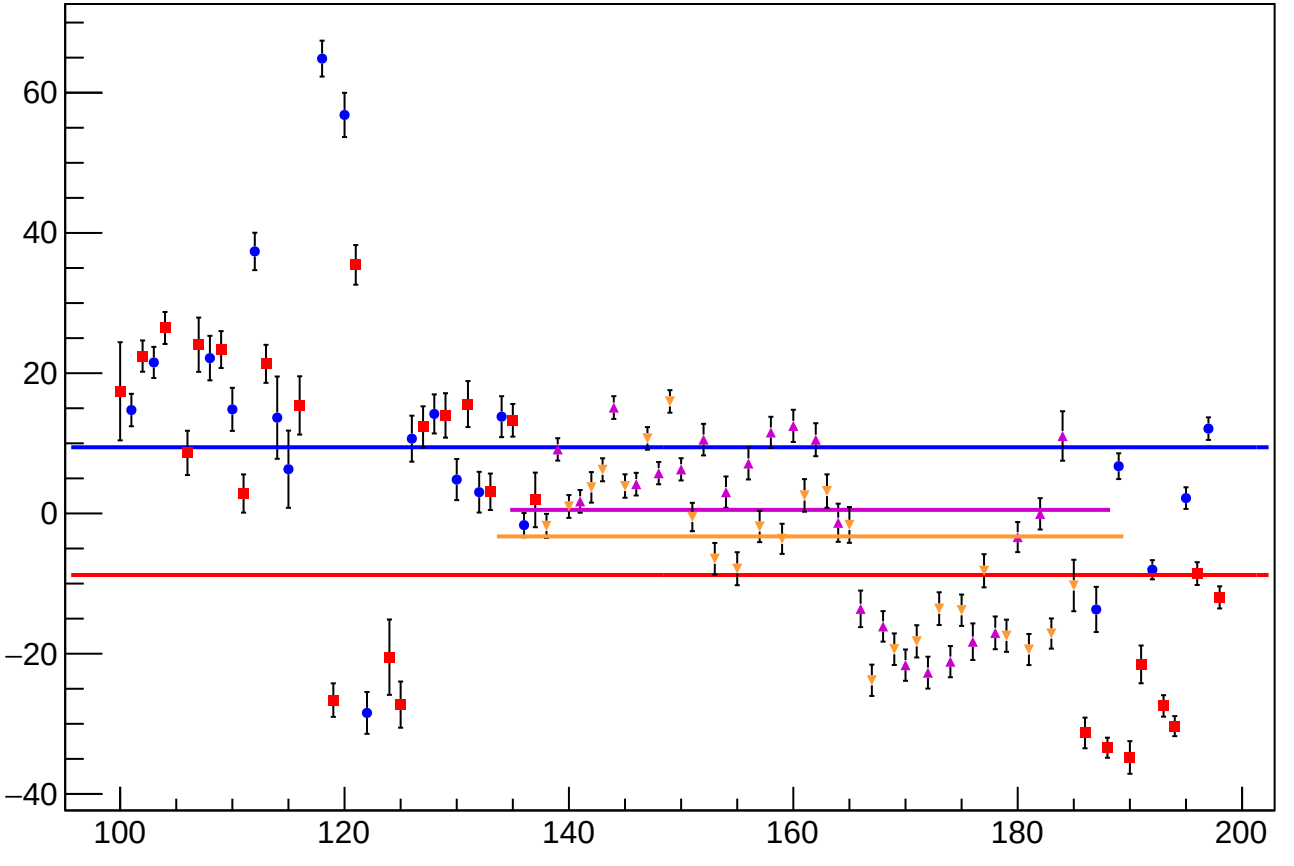
Right: 1772.750+/-0.260 χ^2/NDF: 397247.3/47

In: 1978.946+/-0.265 χ^2/NDF:1939693.1/43

Out: 1953.903+/-0.248 χ^2/NDF:2066246.5/51

All: 1965.592+/-0.181 χ^2/NDF: 4010711.4/95

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 9.439+/-0.513 χ^2/NDF: 1315.3/20

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: -8.775+/-0.452 χ^2/NDF: 2418.0/26

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

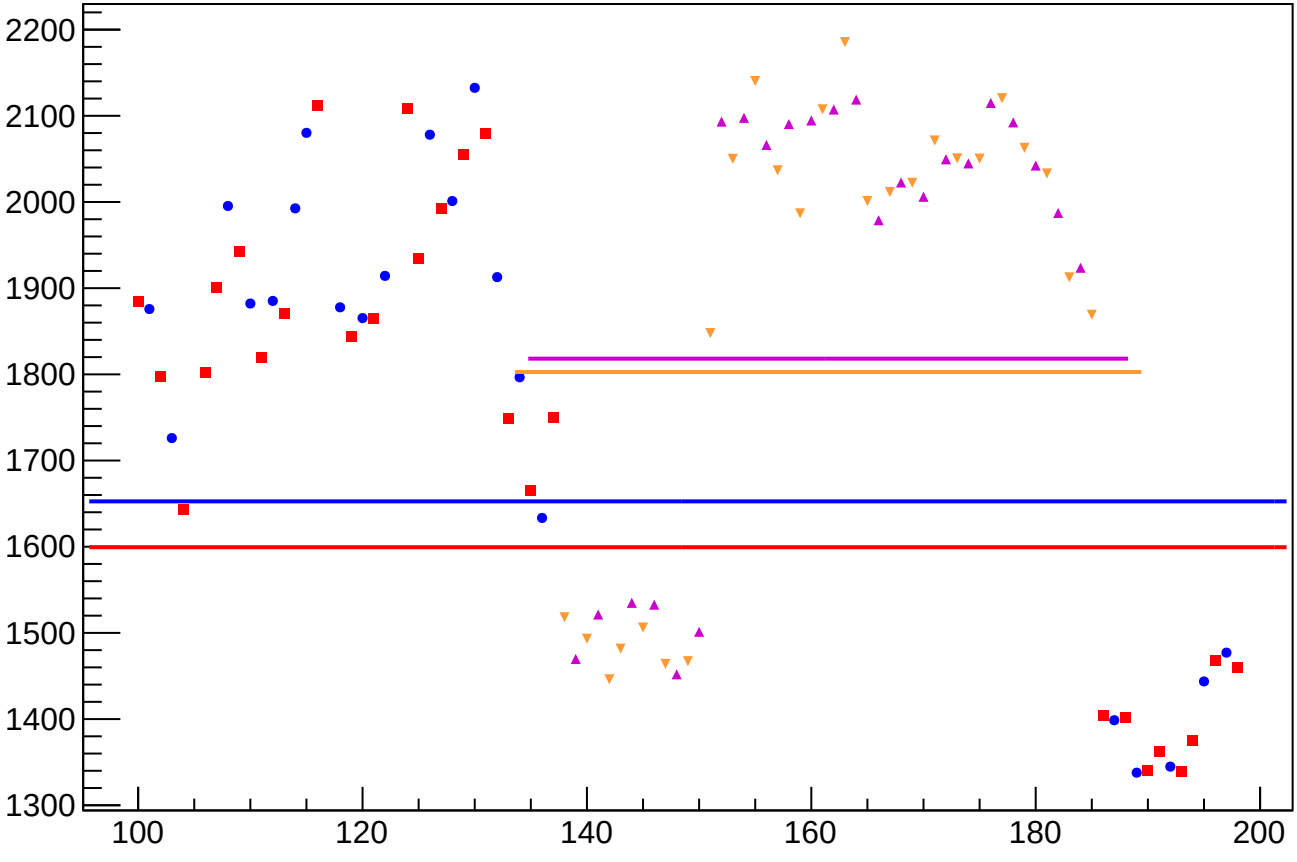
Right: -0.815+/-0.339 χ^2/NDF: 4444.1/47

In: 4.196+/-0.329 χ^2/NDF:2239.3/43

Out: -5.791+/-0.305 χ^2/NDF:3169.6/51

All: -1.173+/-0.224 χ^2/NDF: 5903.2/95

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1652.615+/-0.362 χ^2/NDF: 502128.4/20

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1599.428+/-0.319 χ^2/NDF: 575612.7/26

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

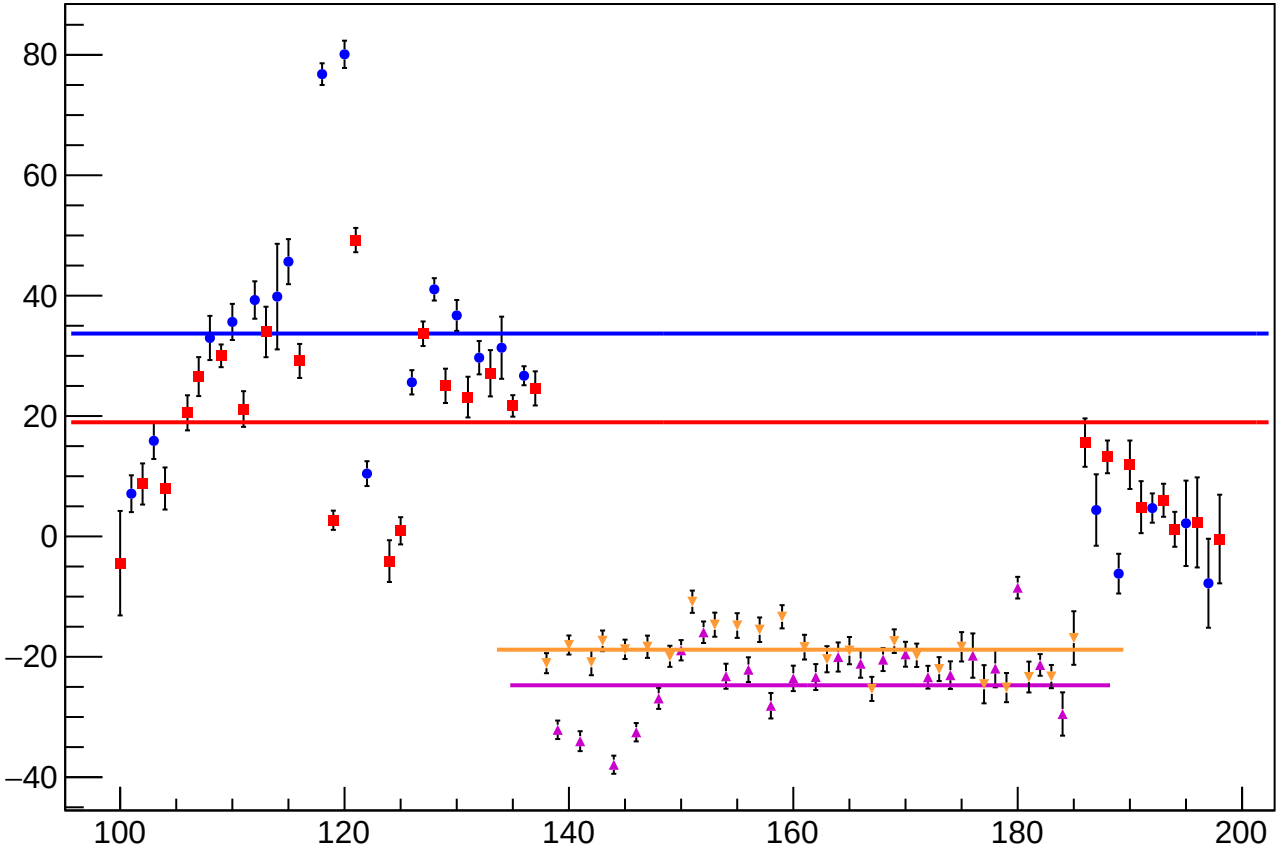
Right: 1622.673+/-0.240 χ^2/NDF: 1089862.8/47

In: 1749.862+/-0.233 χ^2/NDF:1465069.3/43

Out: 1709.757+/-0.216 χ^2/NDF:1692930.6/51

All: 1728.302+/-0.158 χ^2/NDF: 3173943.5/95

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 33.705+/-0.586 χ^2/NDF: 1658.6/20

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: 18.963+/-0.539 χ^2/NDF: 688.9/26

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

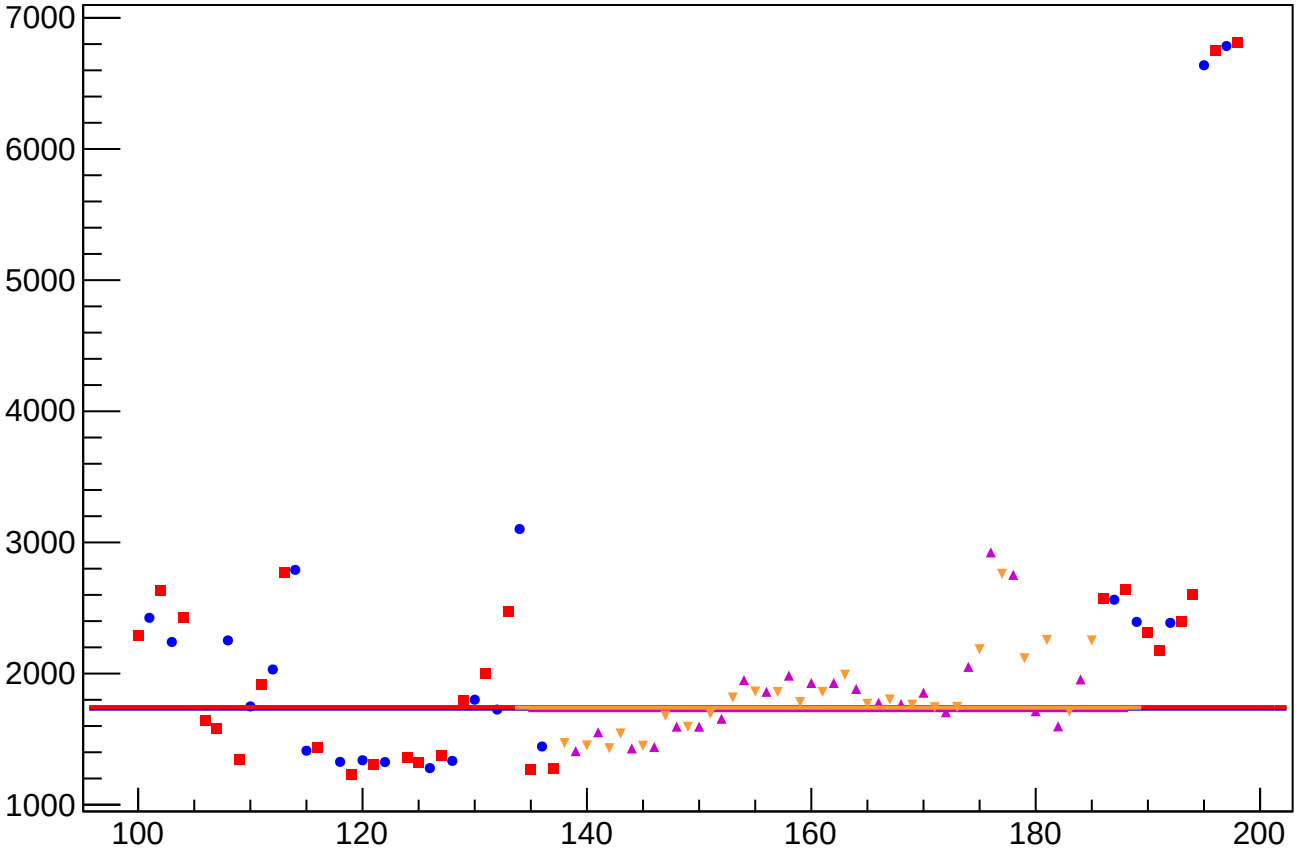
Right: 25.713+/-0.397 χ^2/NDF: 2690.2/47

In: -5.617+/-0.335 χ^2/NDF:8651.2/43

Out: -5.309+/-0.322 χ^2/NDF:3922.4/51

All: -5.457+/-0.232 χ^2/NDF: 12574.1/95

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1732.174+/-0.415 χ^2/NDF: 3058839.0/20

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1744.746+/-0.381 χ^2/NDF: 3697975.2/26

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

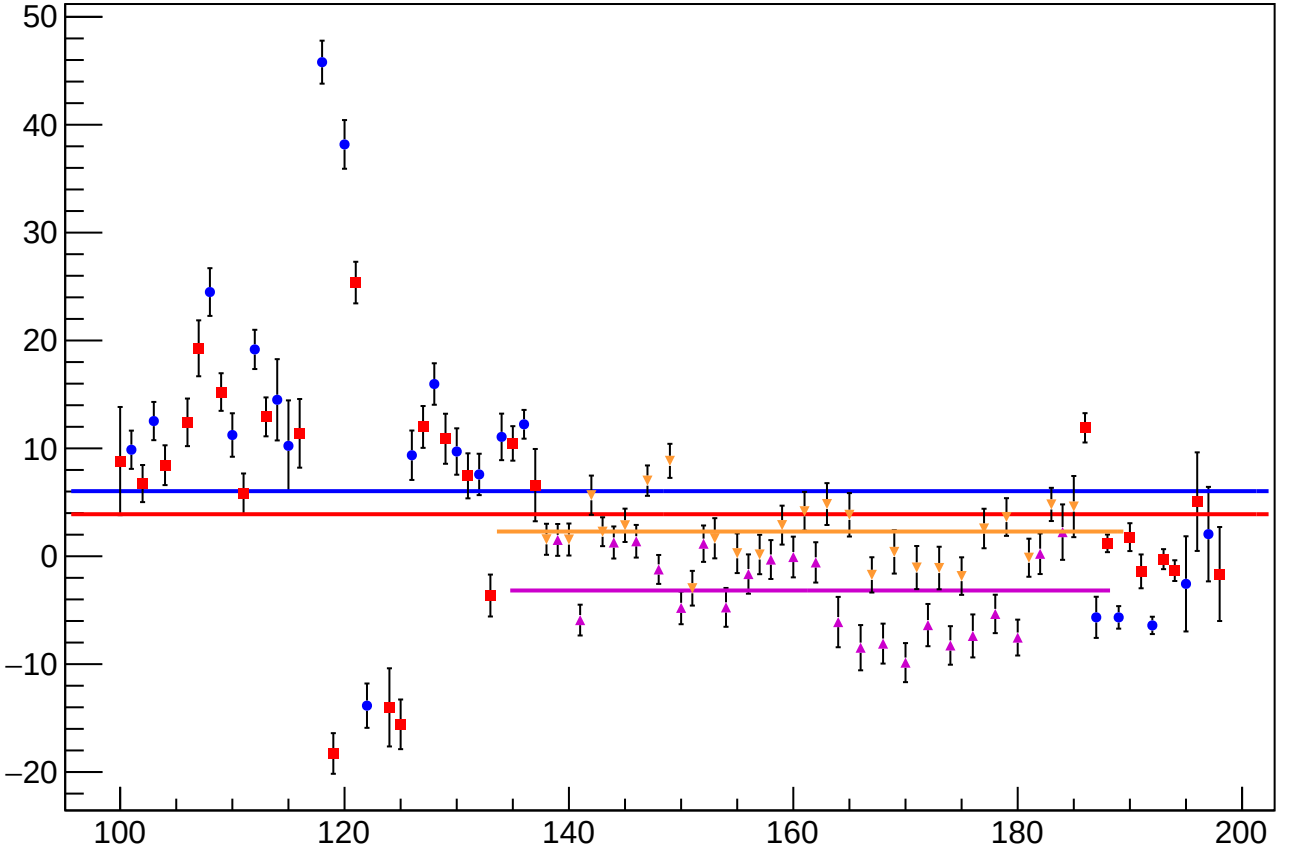
Right: 1738.990+/-0.281 χ^2/NDF: 6757312.8/47

In: 1724.564+/-0.237 χ^2/NDF:3943330.2/43

Out: 1741.754+/-0.228 χ^2/NDF:4451448.7/51

All: 1733.503+/-0.164 χ^2/NDF: 8397512.2/95

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 6.036+/-0.384 χ^2/NDF: 1314.6/20

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: 3.897+/-0.322 χ^2/NDF: 665.5/26

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

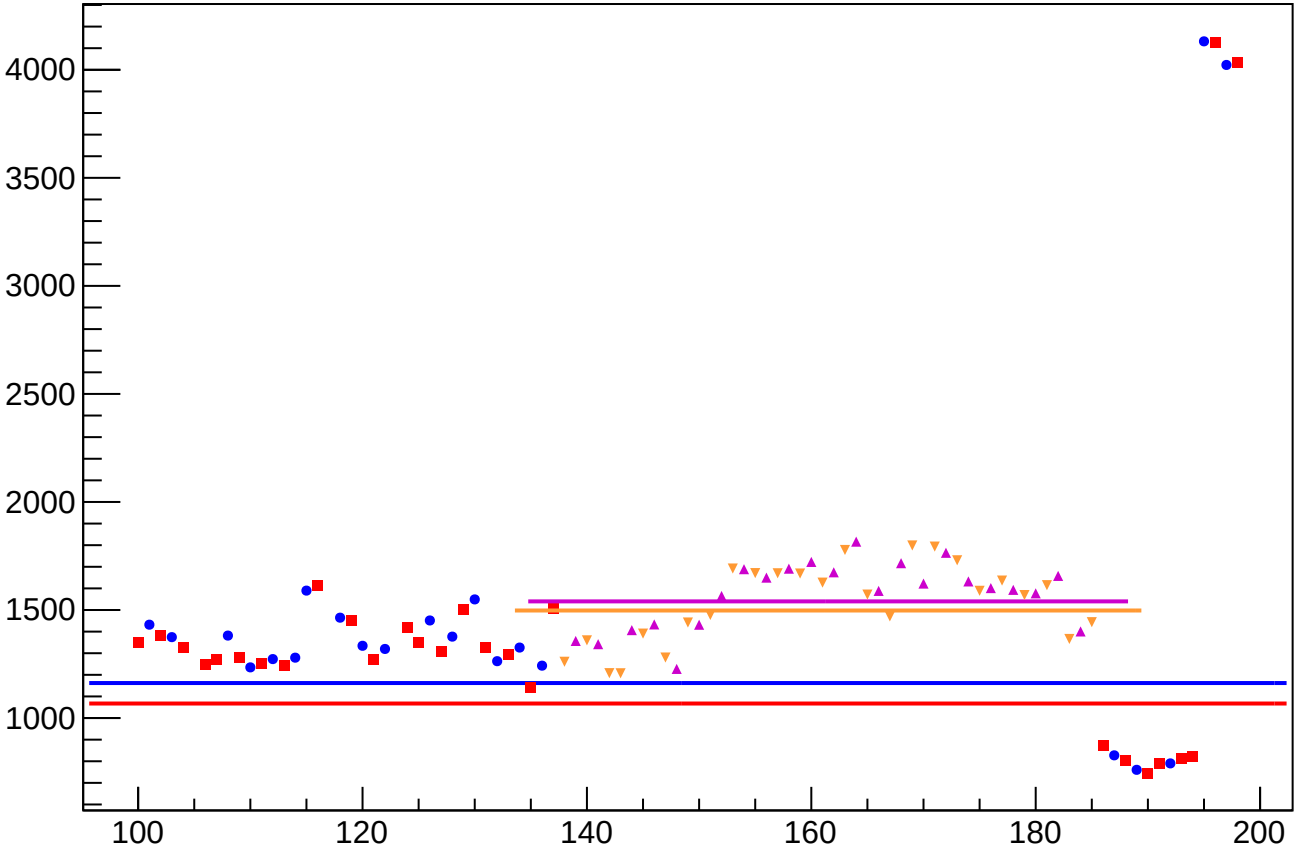
Right: 4.778+/-0.247 χ^2/NDF: 1998.3/47

In: 1.163+/-0.264 χ^2/NDF:1728.9/43

Out: 3.148+/-0.235 χ^2/NDF:750.6/51

All: 2.270+/-0.175 χ^2/NDF: 2511.1/95

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1162.007+/-0.272 χ^2/NDF: 2888616.6/20

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1067.209+/-0.227 χ^2/NDF: 3168904.8/26

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

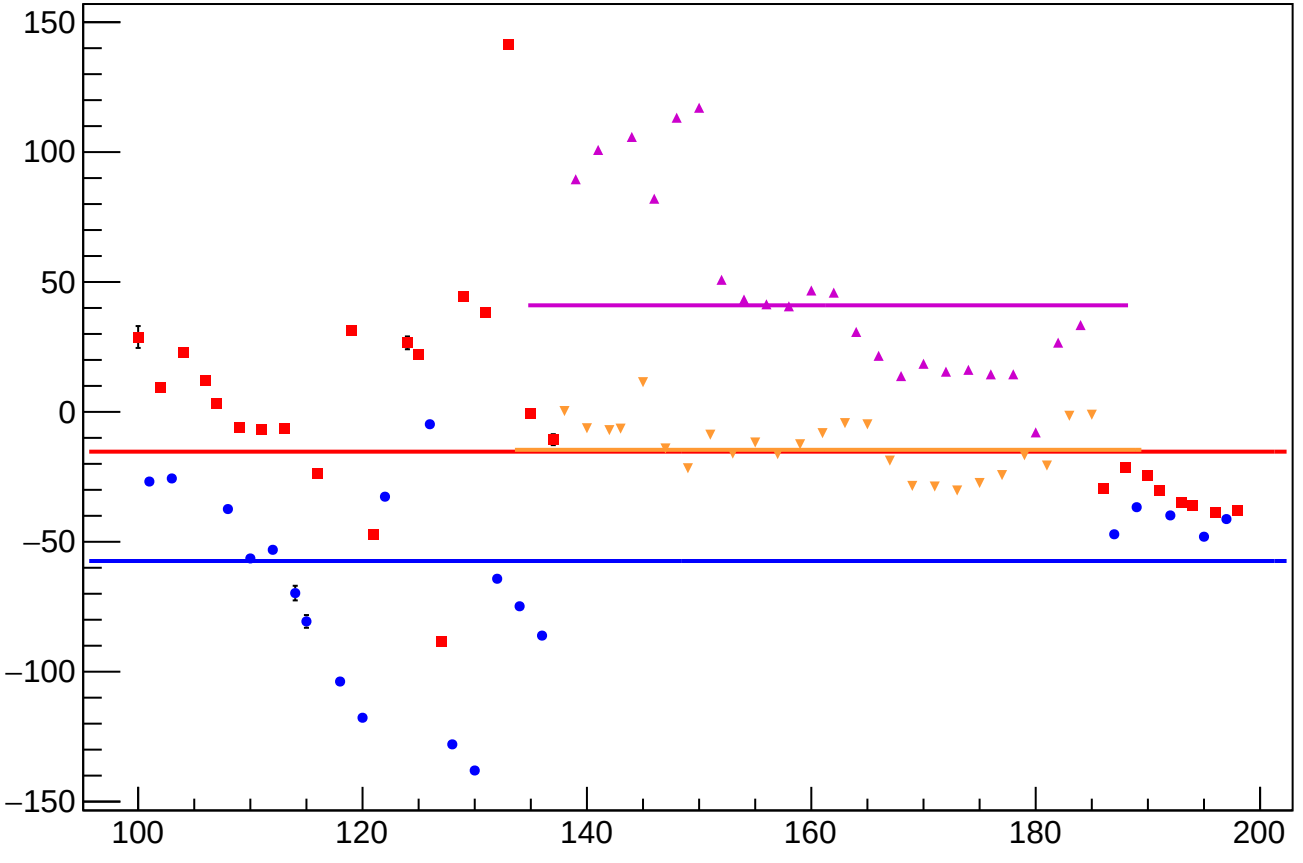
Right: 1106.260+/-0.174 χ^2/NDF: 6129117.5/47

In: 1361.962+/-0.186 χ^2/NDF:4292579.4/43

Out: 1268.305+/-0.166 χ^2/NDF:5411830.4/51

All: 1309.721+/-0.124 χ^2/NDF: 9845188.3/95

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -57.395+/-0.248 χ^2/NDF: 15961.3/20

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: -15.306+/-0.218 χ^2/NDF: 28682.6/26

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

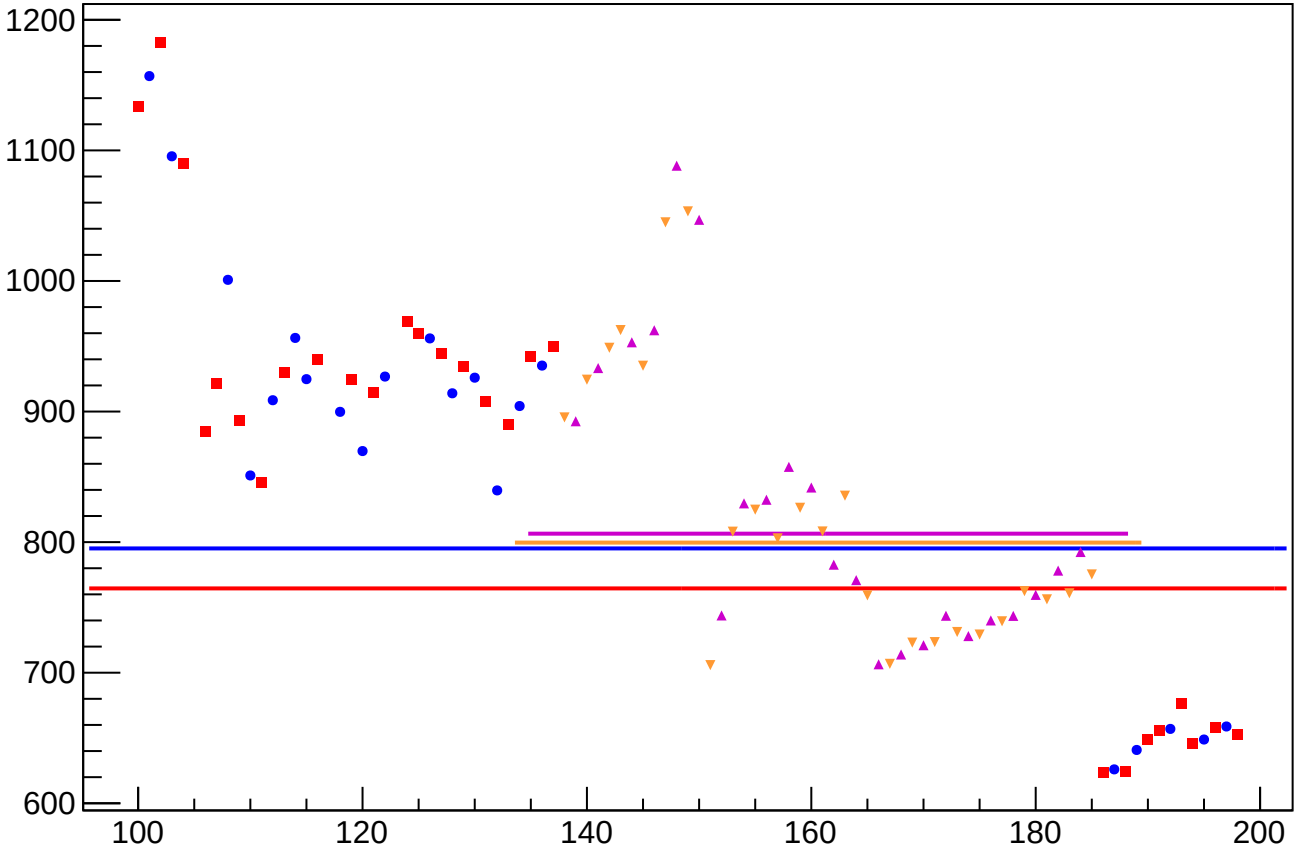
Right: -33.596+/-0.164 χ^2/NDF: 60912.7/47

In: 4.698+/-0.151 χ^2/NDF:146280.3/43

Out: -14.891+/-0.140 χ^2/NDF:31848.1/51

All: -5.818+/-0.103 χ^2/NDF: 187194.6/95

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 795.176+/-0.175 χ^2/NDF: 771248.9/20

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 764.553+/-0.154 χ^2/NDF: 983654.2/26

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

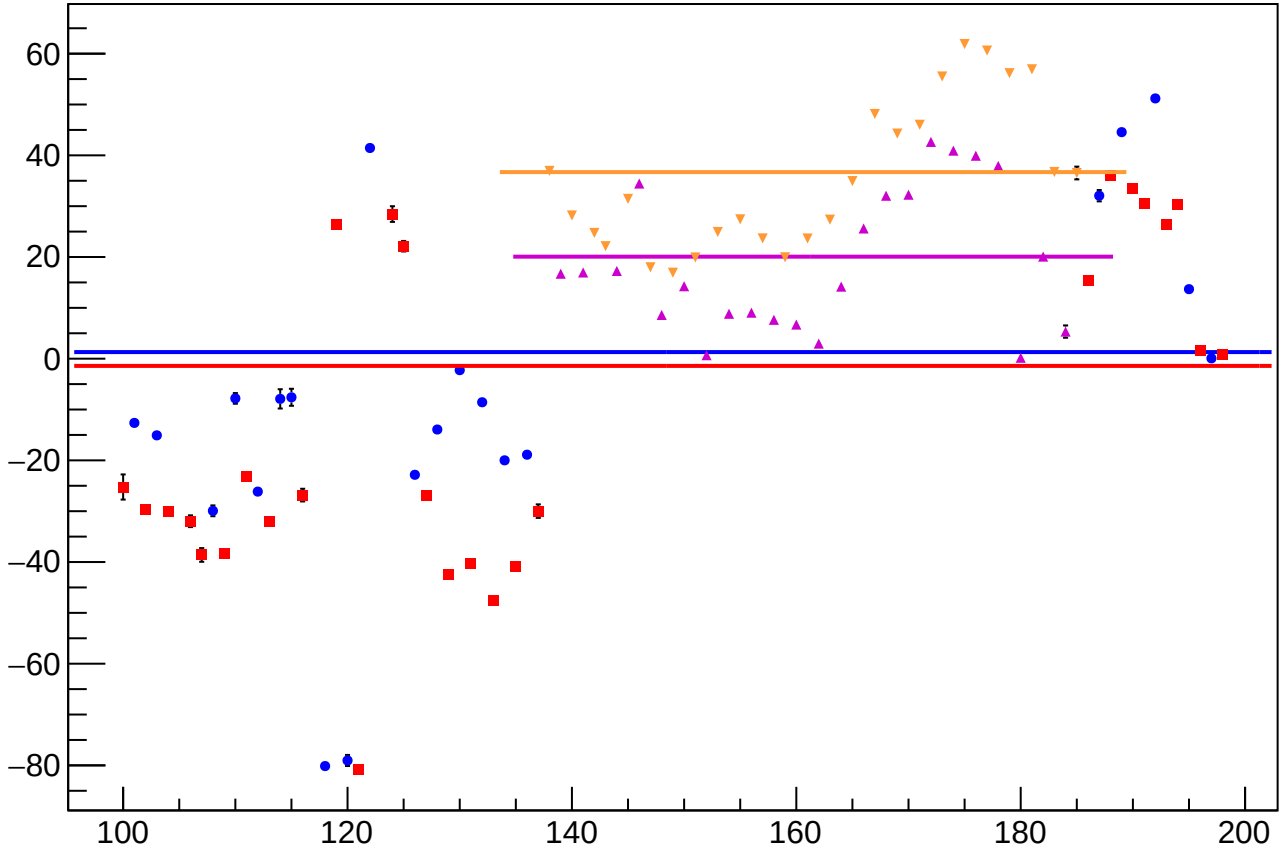
Right: 777.861+/-0.116 χ^2/NDF: 1772127.2/47

In: 802.307+/-0.107 χ^2/NDF:1285161.7/43

Out: 785.104+/-0.099 χ^2/NDF:1511560.8/51

All: 793.071+/-0.073 χ^2/NDF: 2810706.3/95

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.299+/-0.174 χ^2/NDF: 37513.7/20

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: -1.418+/-0.155 χ^2/NDF: 42883.4/26

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

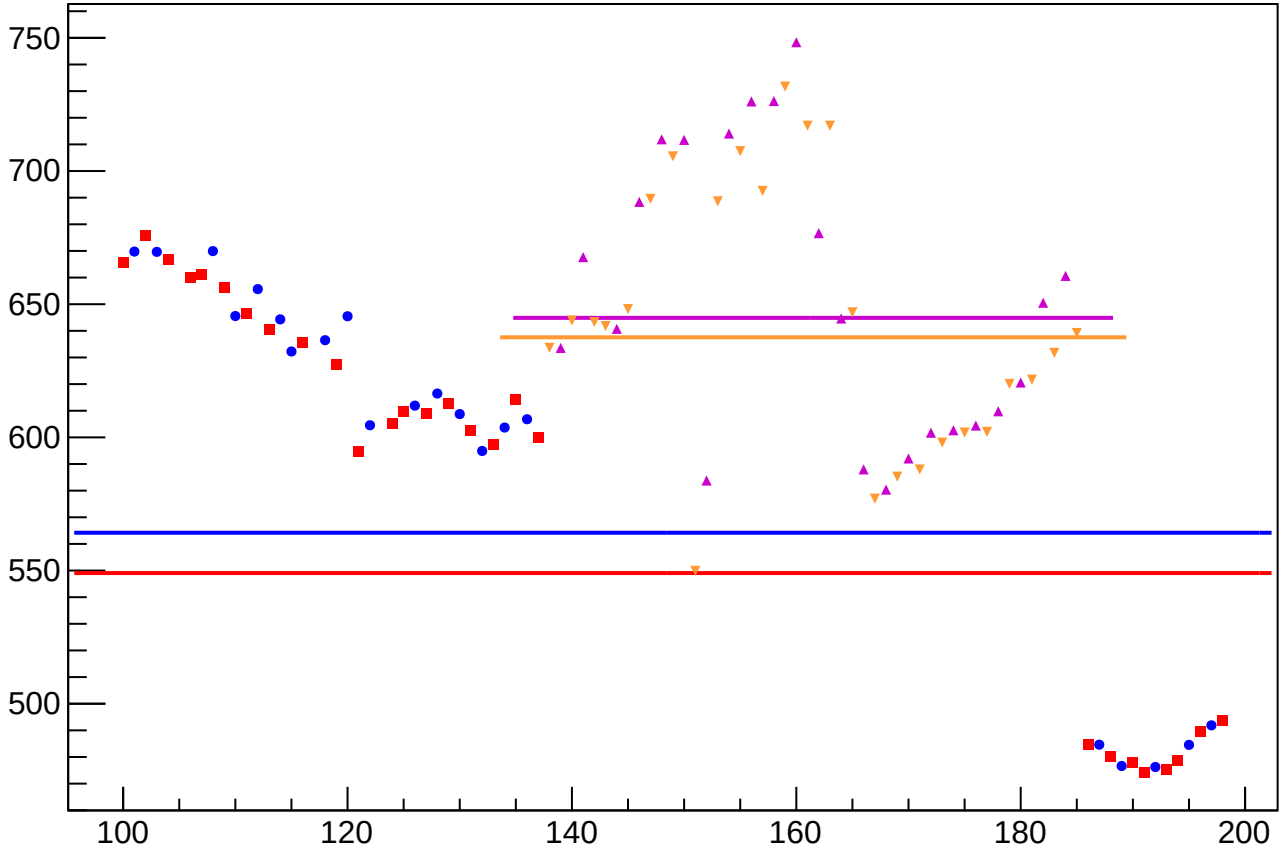
Right: -0.222+/-0.116 χ^2/NDF: 80533.1/47

In: 12.010+/-0.114 χ^2/NDF:52688.5/43

Out: 18.807+/-0.106 χ^2/NDF:85376.9/51

All: 15.664+/-0.078 χ^2/NDF: 139968.9/95

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 564.194+/-0.123 χ^2/NDF: 377933.3/20

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 549.061+/-0.109 χ^2/NDF: 475705.2/26

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

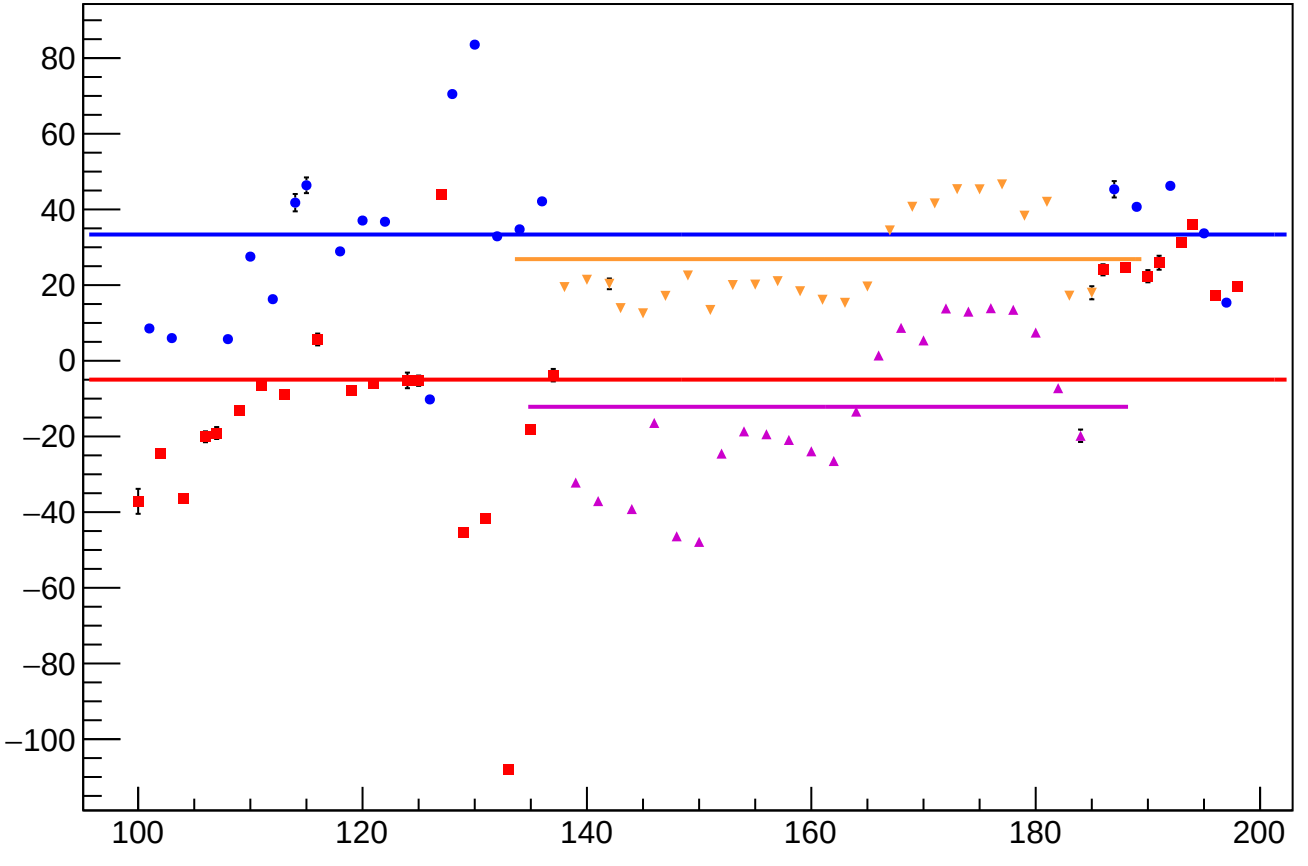
Right: 555.723+/-0.082 χ^2/NDF: 862074.8/47

In: 610.229+/-0.081 χ^2/NDF:851891.3/43

Out: 596.016+/-0.075 χ^2/NDF:1060043.1/51

All: 602.587+/-0.055 χ^2/NDF: 1928581.4/95

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.372+/-0.251 χ^2/NDF: 7263.0/20

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: -4.978+/-0.233 χ^2/NDF: 20639.5/26

Left In: -12.159+/-0.214 χ^2/NDF:8547.0/22

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

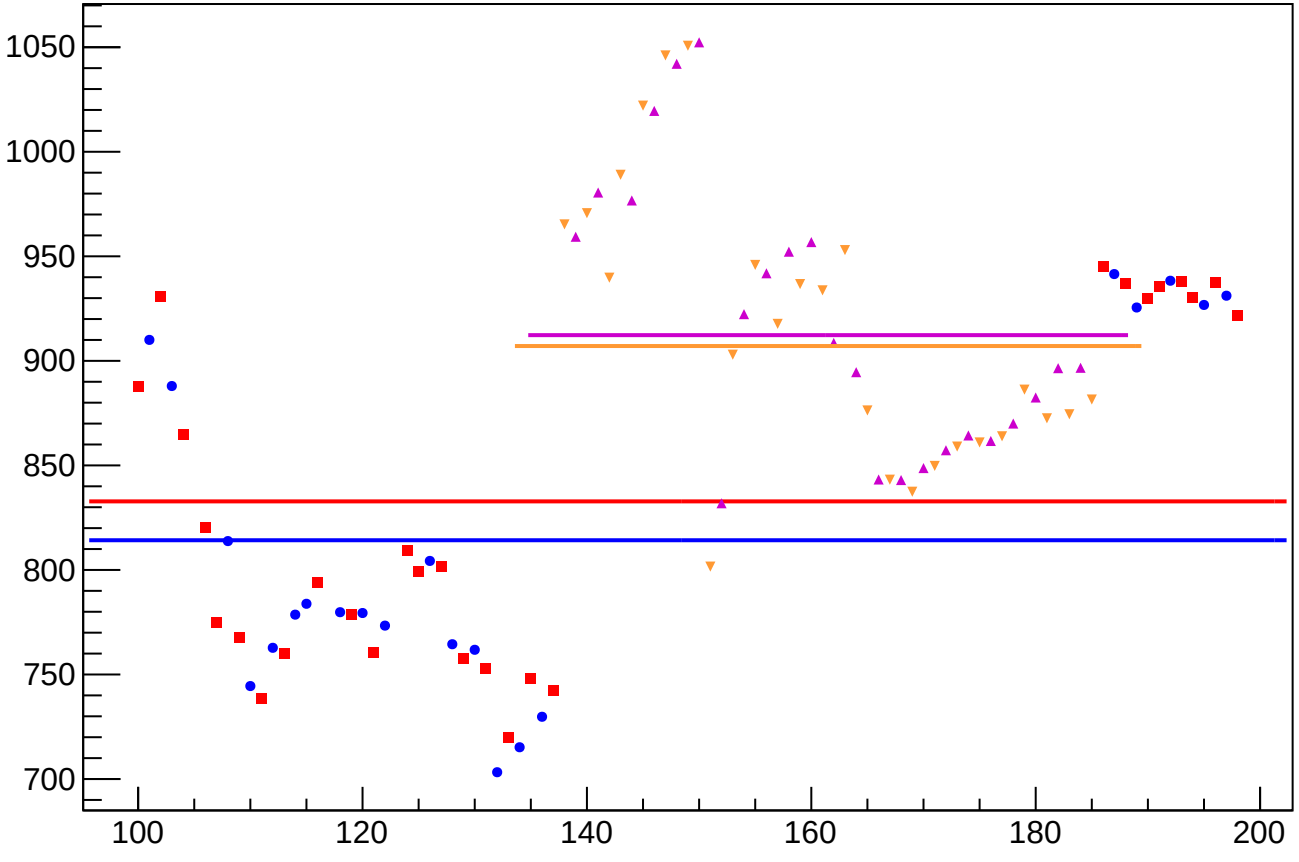
Right: 12.835+/-0.171 χ^2/NDF: 40434.0/47

In: 7.001+/-0.163 χ^2/NDF:34914.9/43

Out: 12.877+/-0.155 χ^2/NDF:34459.4/51

All: 10.084+/-0.112 χ^2/NDF: 70059.5/95

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 814.206+/-0.177 χ^2/NDF: 218992.9/20

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 832.792+/-0.165 χ^2/NDF: 251722.8/26

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

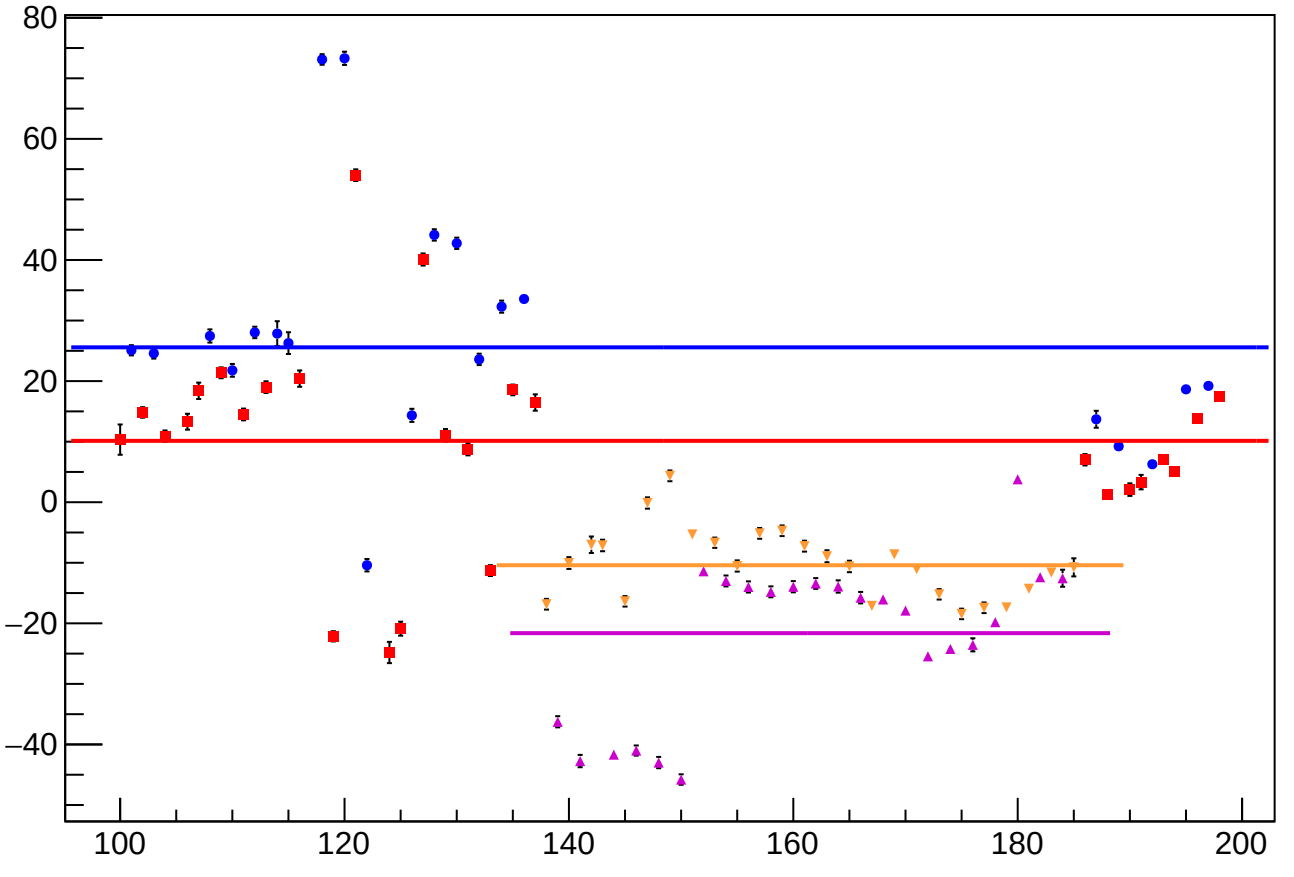
Right: 824.159+/-0.121 χ^2/NDF: 476602.4/47

In: 871.023+/-0.115 χ^2/NDF:571064.5/43

Out: 874.449+/-0.109 χ^2/NDF:559877.8/51

All: 872.821+/-0.079 χ^2/NDF: 1131408.3/95

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 25.576+/-0.192 χ^2/NDF: 8922.8/20

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: 10.136+/-0.177 χ^2/NDF: 7168.4/26

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

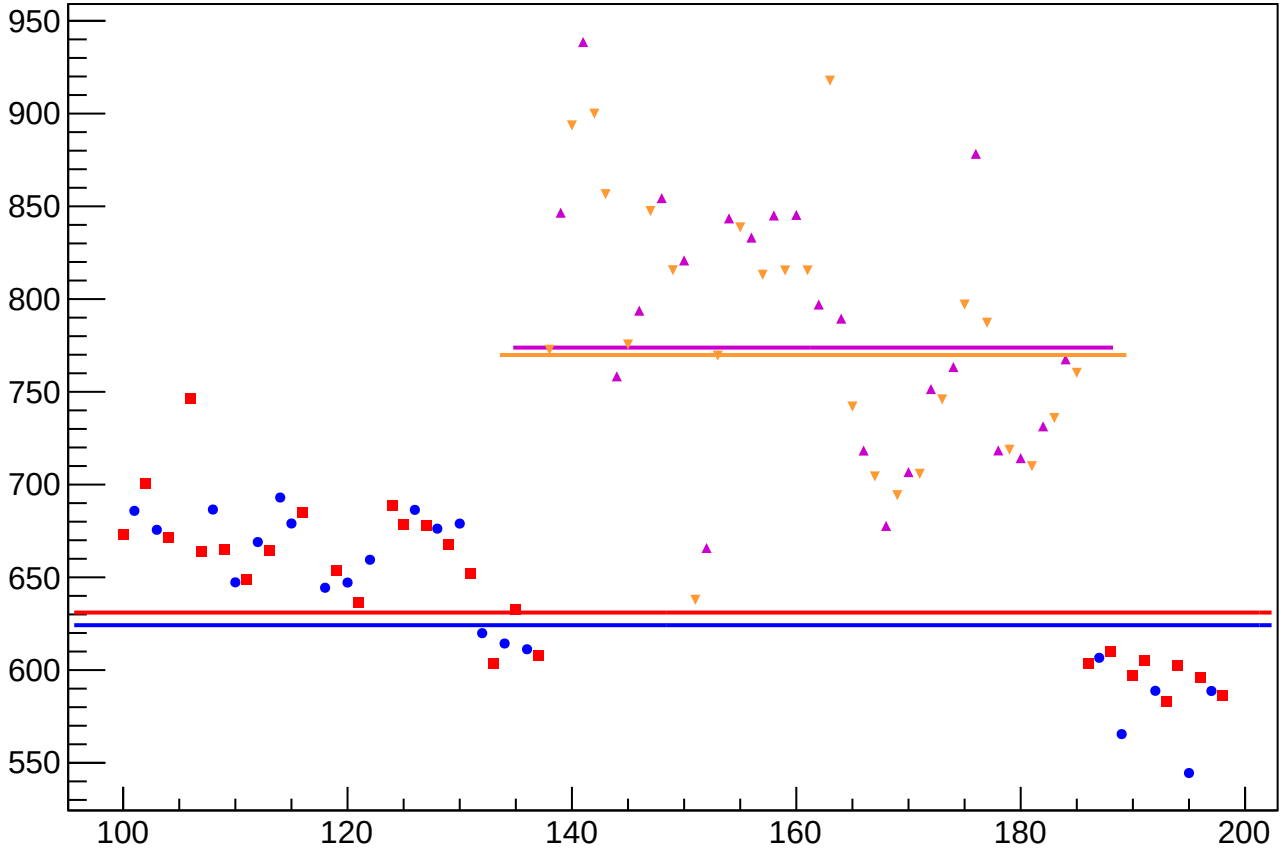
Right: 17.205+/-0.130 χ^2/NDF: 19592.5/47

In: 0.691+/-0.132 χ^2/NDF:45979.4/43

Out: -0.167+/-0.125 χ^2/NDF:15000.5/51

All: 0.237+/-0.091 χ^2/NDF: 61002.2/95

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 624.203+/-0.136 χ^2/NDF: 119938.7/20

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 631.014+/-0.125 χ^2/NDF: 96916.8/26

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

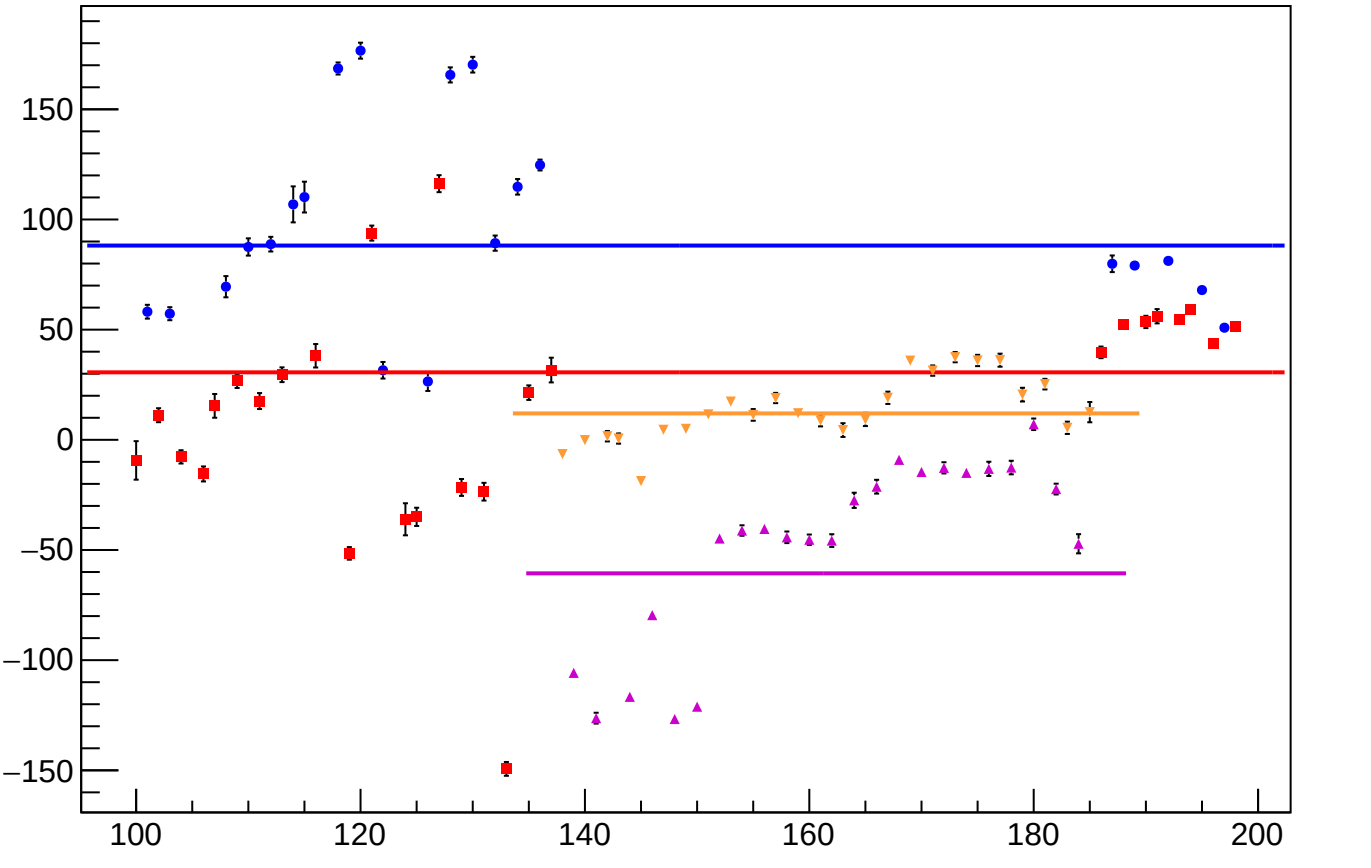
Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

Right: 627.895+/-0.092 χ^2/NDF: 218218.2/47

In: 703.102+/-0.093 χ^2/NDF:1042412.3/43

Out: 700.650+/-0.088 χ^2/NDF:1021750.9/51

All: 701.805+/-0.064 χ^2/NDF: 2064527.6/95



Right In: 88.165+/-0.613 χ^2/NDF: 4068.9/20

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: 30.628+/-0.547 χ^2/NDF: 7060.8/26

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

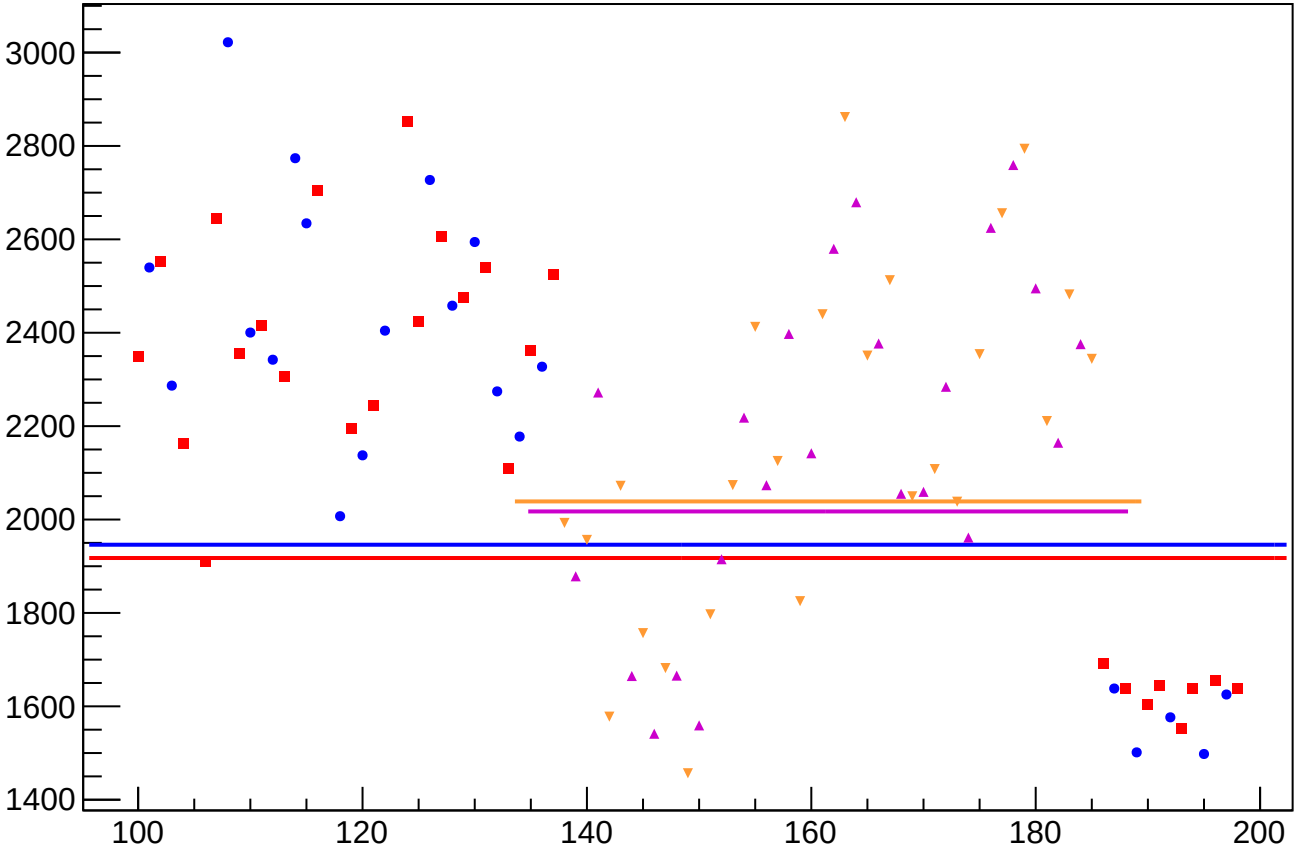
Right: 56.106+/-0.408 χ^2/NDF: 16031.2/47

In: -3.974+/-0.378 χ^2/NDF:49129.5/43

Out: 19.937+/-0.357 χ^2/NDF:8674.2/51

All: 8.675+/-0.260 χ^2/NDF: 59915.2/95

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 1946.059+/-0.434 χ^2/NDF: 1007265.4/20

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1917.620+/-0.387 χ^2/NDF: 939440.8/26

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

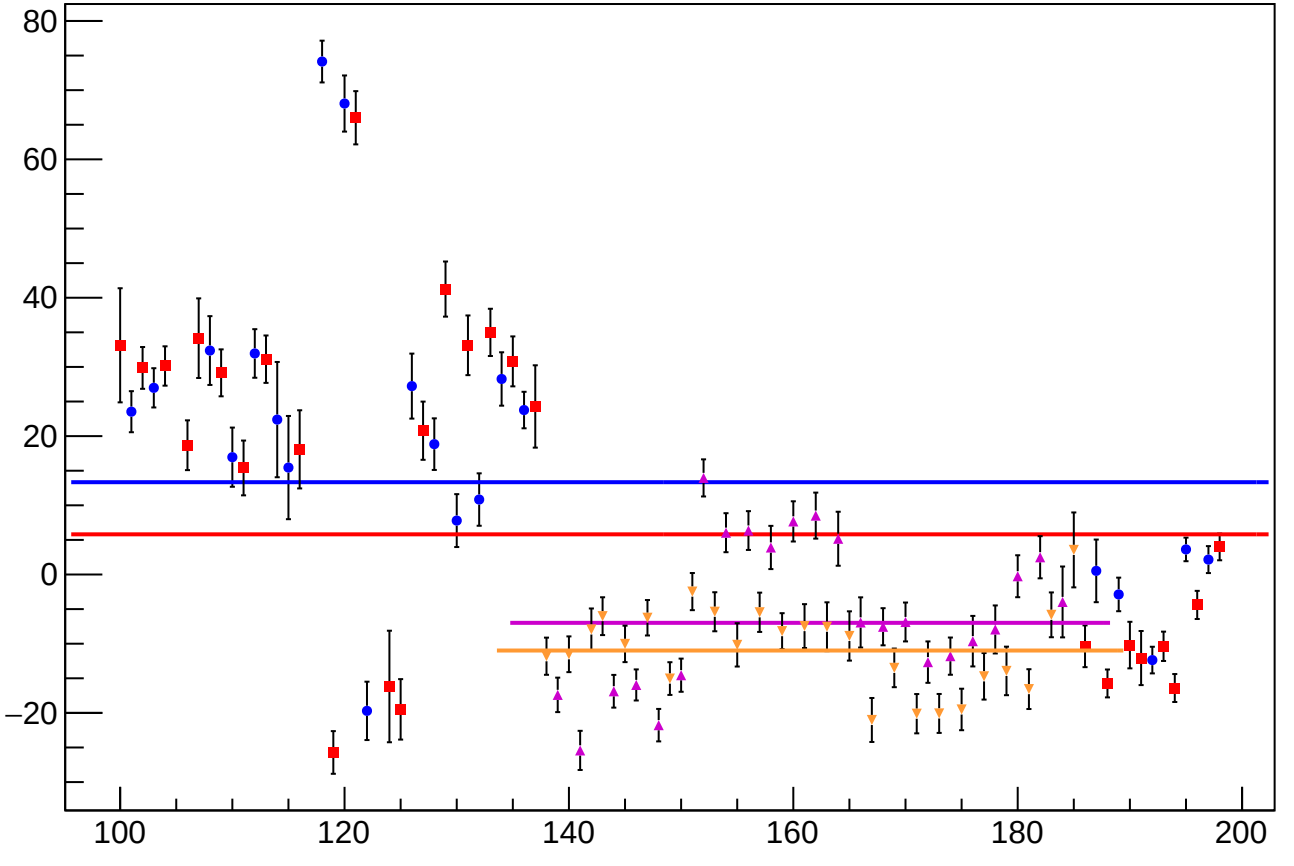
Right: 1930.213+/-0.289 χ^2/NDF: 1949101.2/47

In: 1990.201+/-0.268 χ^2/NDF:2074027.8/43

Out: 1987.116+/-0.253 χ^2/NDF:2119268.0/51

All: 1988.569+/-0.184 χ^2/NDF: 4193366.0/95

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 13.341+/-0.669 χ^2/NDF: 1069.3/20

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: 5.807+/-0.607 χ^2/NDF: 1342.1/26

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

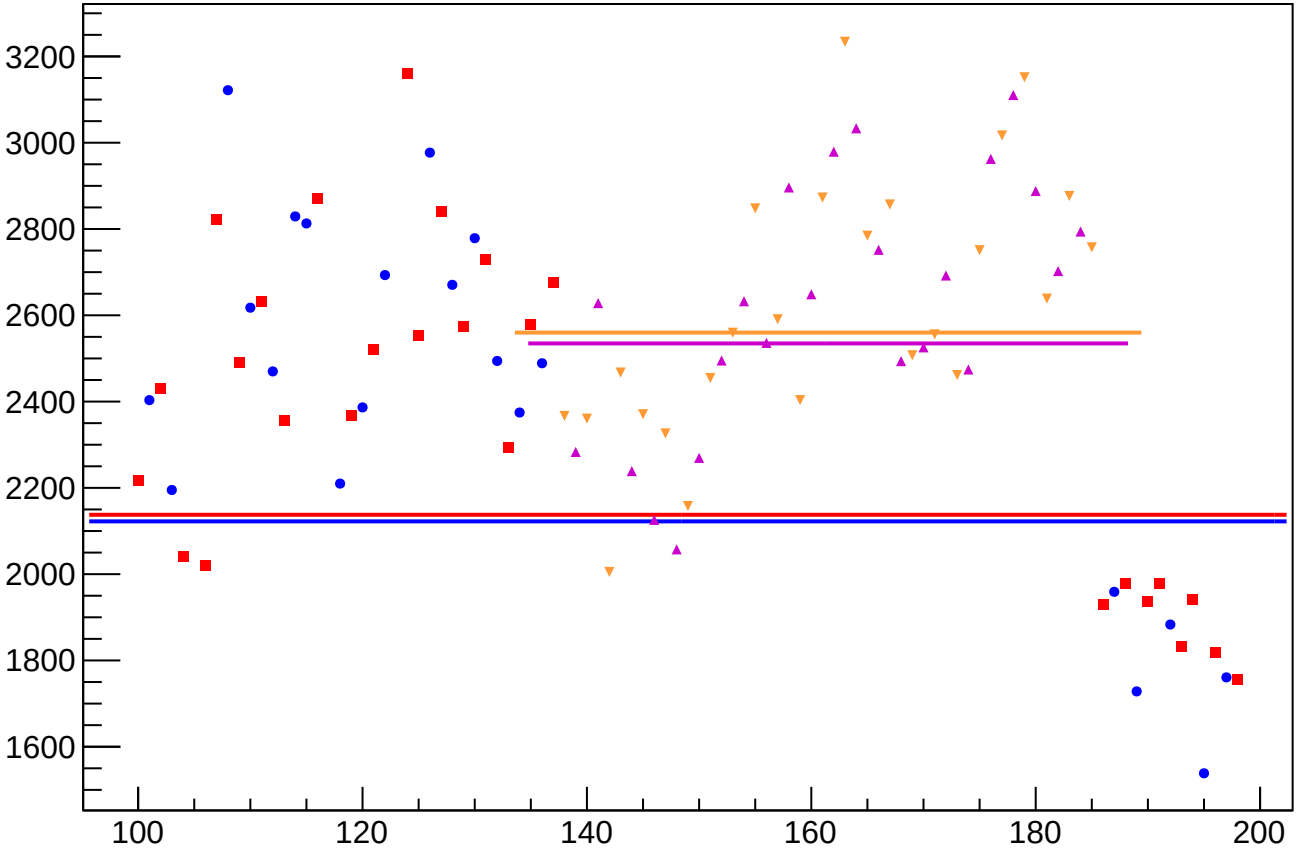
Right: 9.210+/-0.449 χ^2/NDF: 2481.0/47

In: 2.054+/-0.446 χ^2/NDF:1921.7/43

Out: -2.886+/-0.422 χ^2/NDF:1825.9/51

All: -0.555+/-0.306 χ^2/NDF: 3812.4/95

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2122.345+/-0.473 χ^2/NDF: 849523.4/20

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

Right Out: 2137.640+/-0.429 χ^2/NDF: 615781.4/26

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

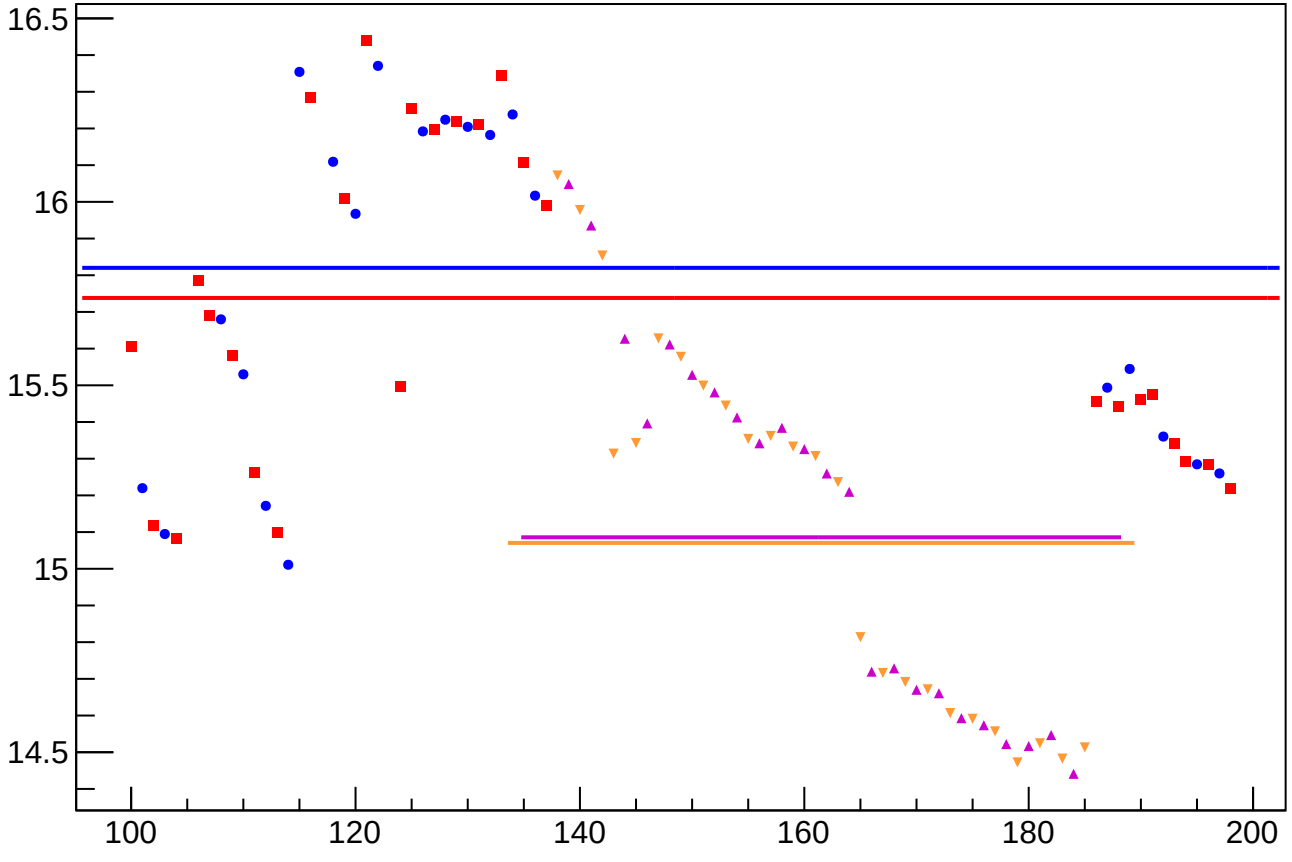
Right: 2130.732+/-0.318 χ^2/NDF: 1465878.5/47

In: 2351.380+/-0.315 χ^2/NDF:1735533.0/43

Out: 2356.238+/-0.298 χ^2/NDF:1567139.5/51

All: 2353.946+/-0.217 χ^2/NDF: 3302797.8/95

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.820+/-0.000 χ^2/NDF: 8581440764.6/20

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.738+/-0.000 χ^2/NDF: 10389389316.6/26

Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

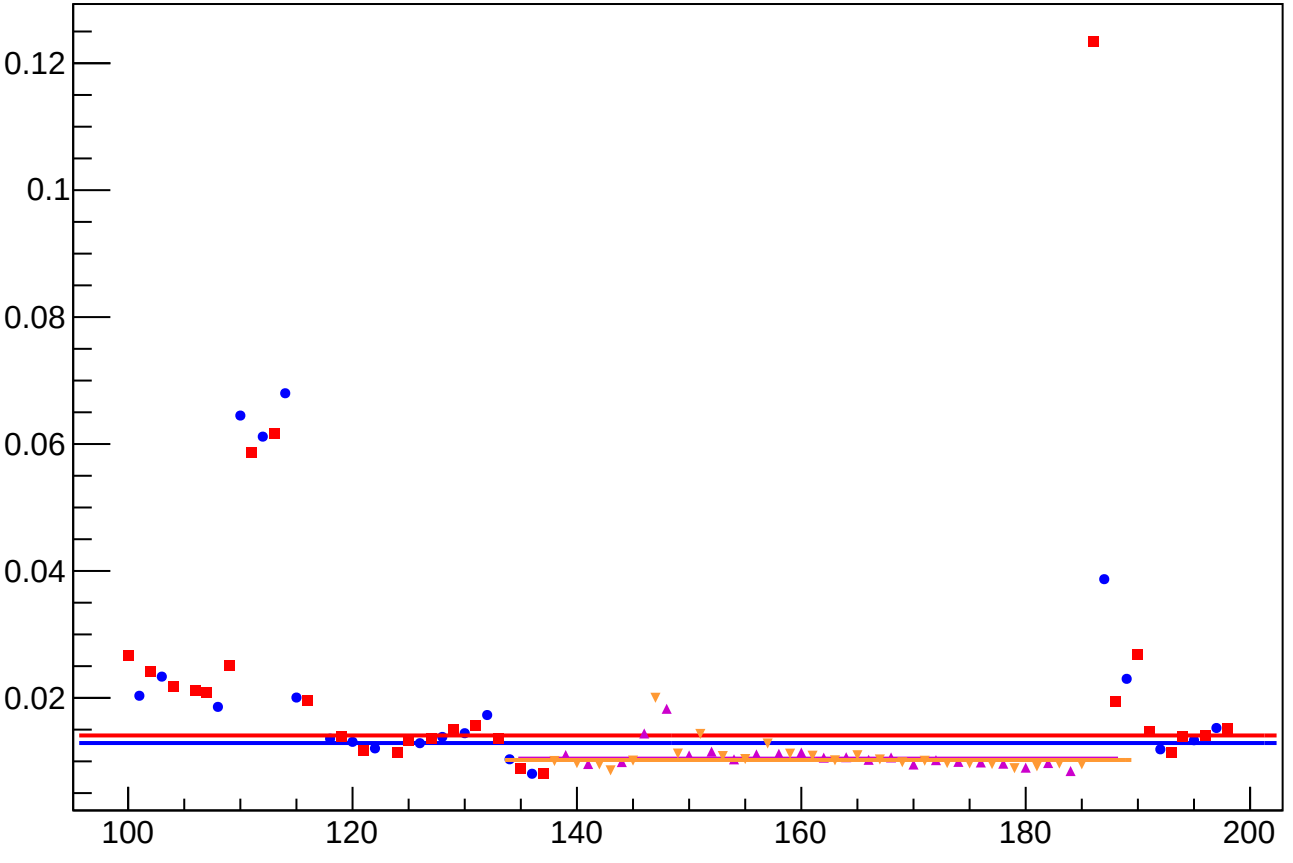
Right: 15.779+/-0.000 χ^2/NDF: 19145884093.3/47

In: 15.267+/-0.000 χ^2/NDF:69092425771.8/43

Out: 15.225+/-0.000 χ^2/NDF:72024422598.2/51

All: 15.245+/-0.000 χ^2/NDF: 141309284429.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2738070.0/20

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 3229818.3/26

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

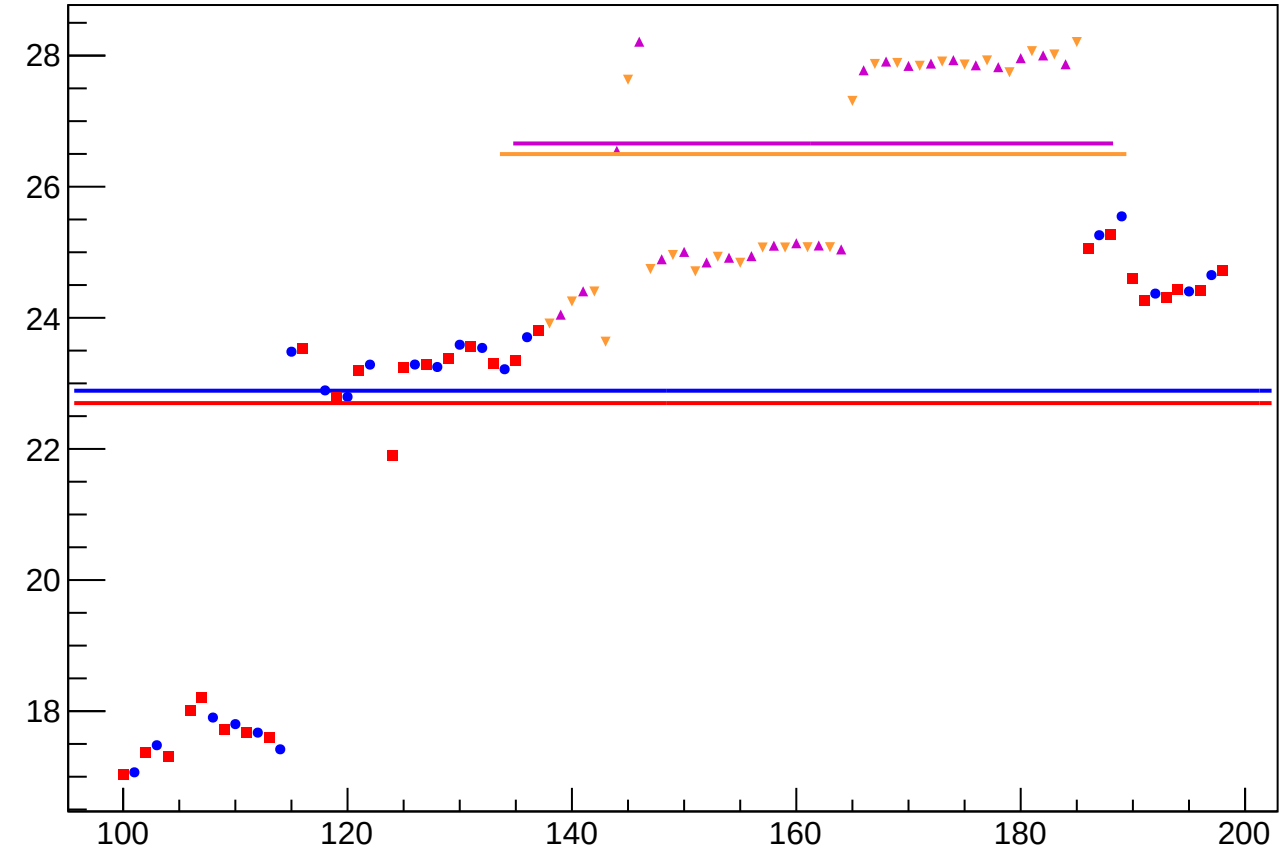
Right: 0.013+/-0.000 χ^2/NDF: 6041974.0/47

In: 0.011+/-0.000 χ^2/NDF:3806670.5/43

Out: 0.011+/-0.000 χ^2/NDF:5189943.7/51

All: 0.011+/-0.000 χ^2/NDF: 8997869.8/95

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.888+/-0.000 χ^2/NDF: 1332207568.5/20

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.699+/-0.000 χ^2/NDF: 1436271076.8/26

Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

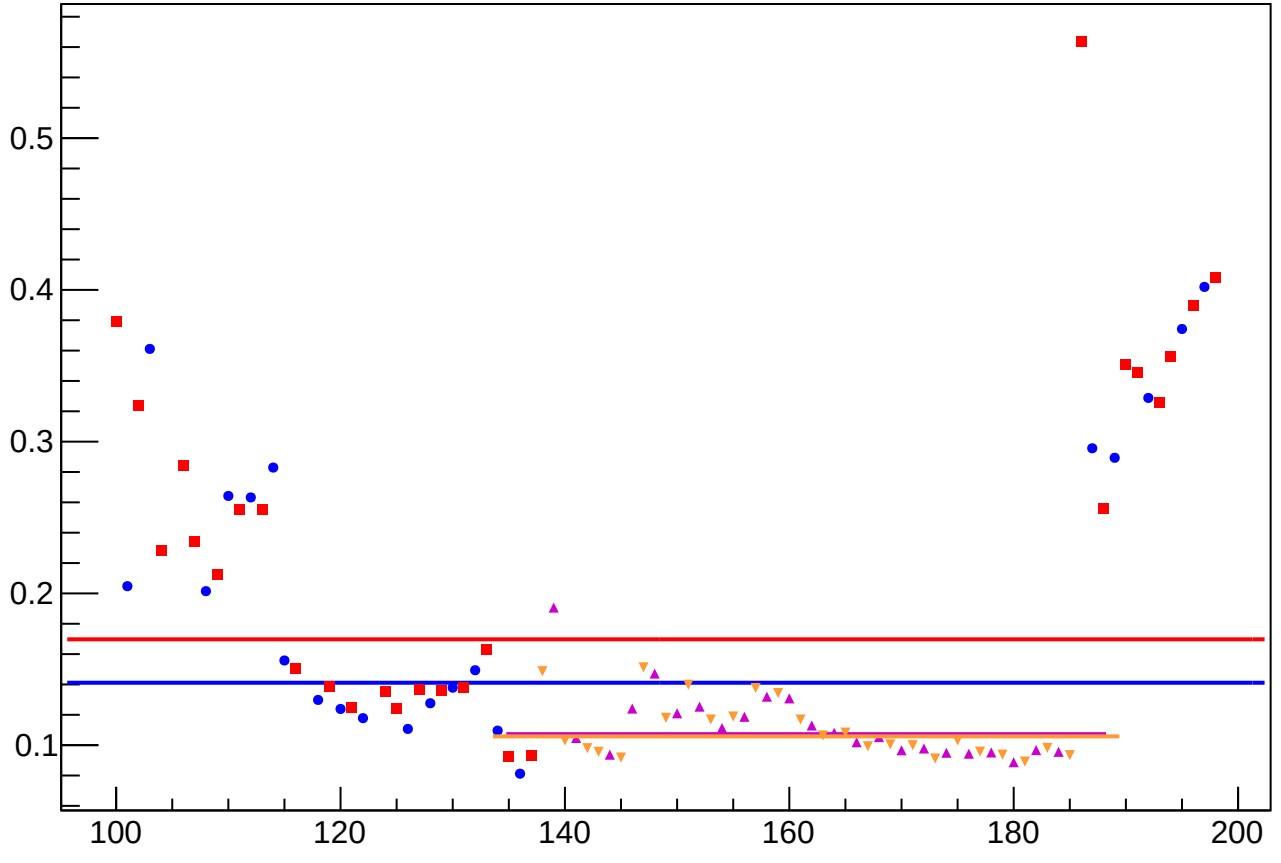
Right: 22.800+/-0.000 χ^2/NDF: 2774668019.3/47

In: 25.850+/-0.000 χ^2/NDF:8371169060.8/43

Out: 25.816+/-0.000 χ^2/NDF:9184721991.4/51

All: 25.833+/-0.000 χ^2/NDF: 17556914775.6

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.141+/-0.000 χ^2/NDF: 4278678.0/20

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.170+/-0.000 χ^2/NDF: 4791285.3/26

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

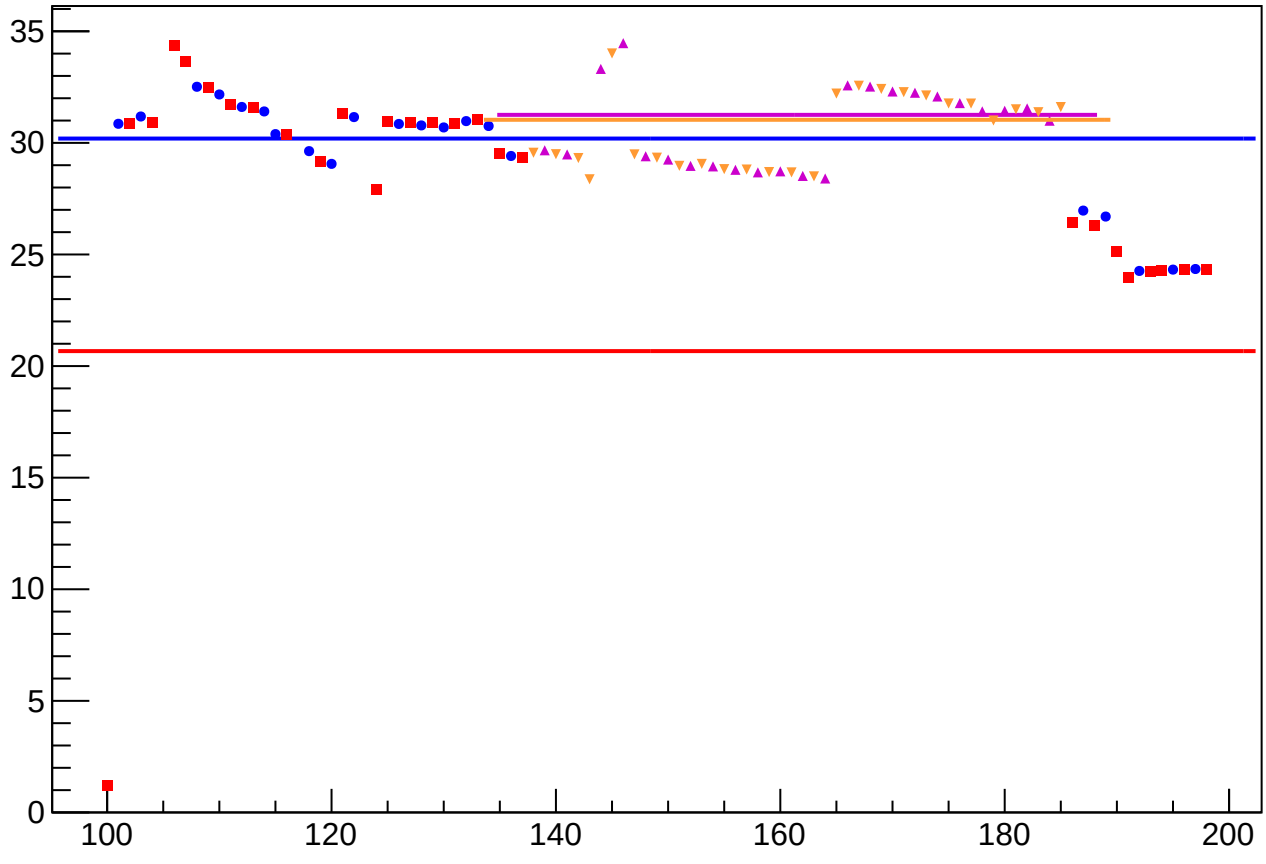
Right: 0.154+/-0.000 χ^2/NDF: 9353342.2/47

In: 0.115+/-0.000 χ^2/NDF:5808222.7/43

Out: 0.117+/-0.000 χ^2/NDF:7724316.5/51

All: 0.116+/-0.000 χ^2/NDF: 13545695.0/95

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.194+/-0.000 χ^2/NDF: 2362017422.6/20

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.671+/-0.000 χ^2/NDF: 223802678125.2/26

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

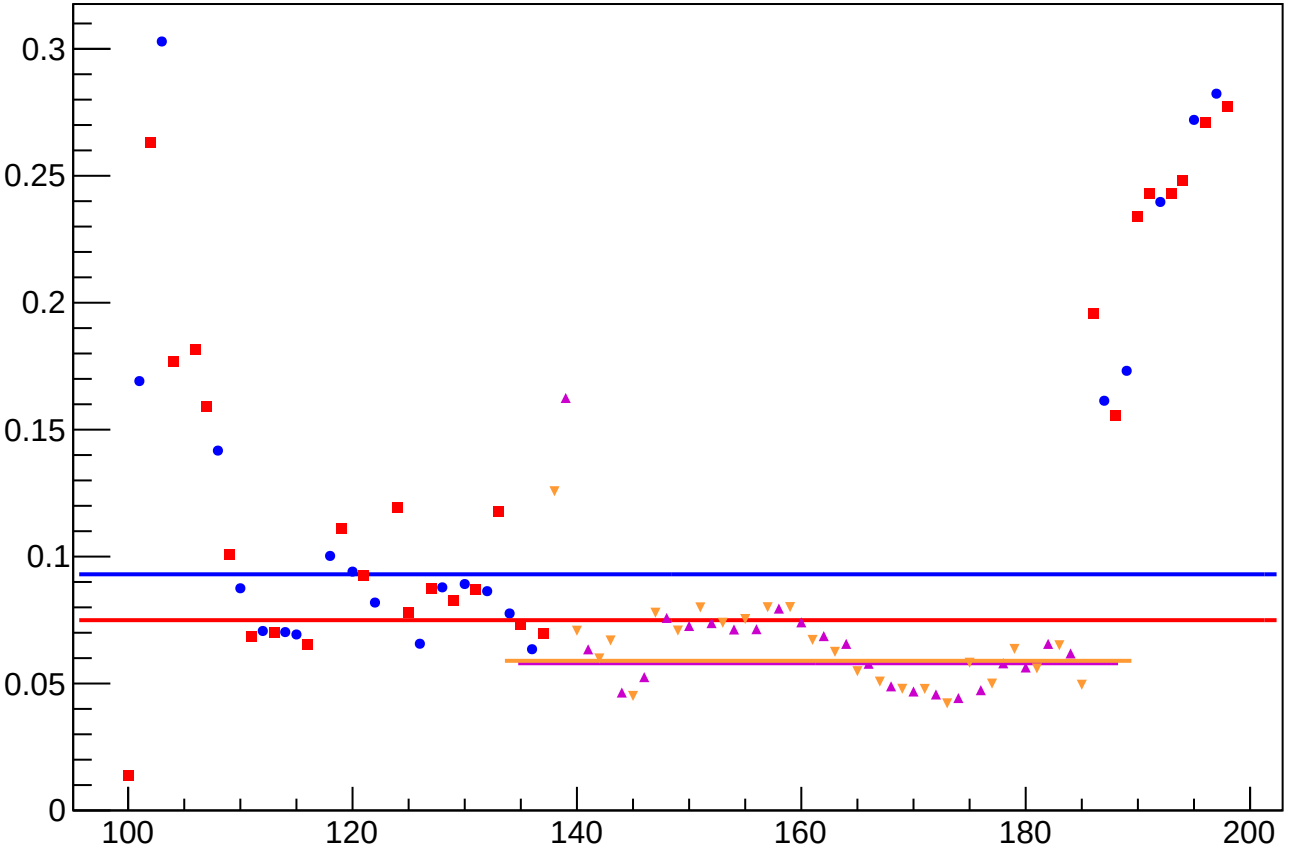
Right: 24.587+/-0.000 χ^2/NDF: 270729066664.5/47

In: 31.077+/-0.000 χ^2/NDF:15734289060.7/43

Out: 28.774+/-0.000 χ^2/NDF:336047543162.1/51

All: 29.869+/-0.000 χ^2/NDF: 365584872520.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.093+/-0.000 χ^2/NDF: 3880720.0/20

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.075+/-0.000 χ^2/NDF: 9069077.3/26

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

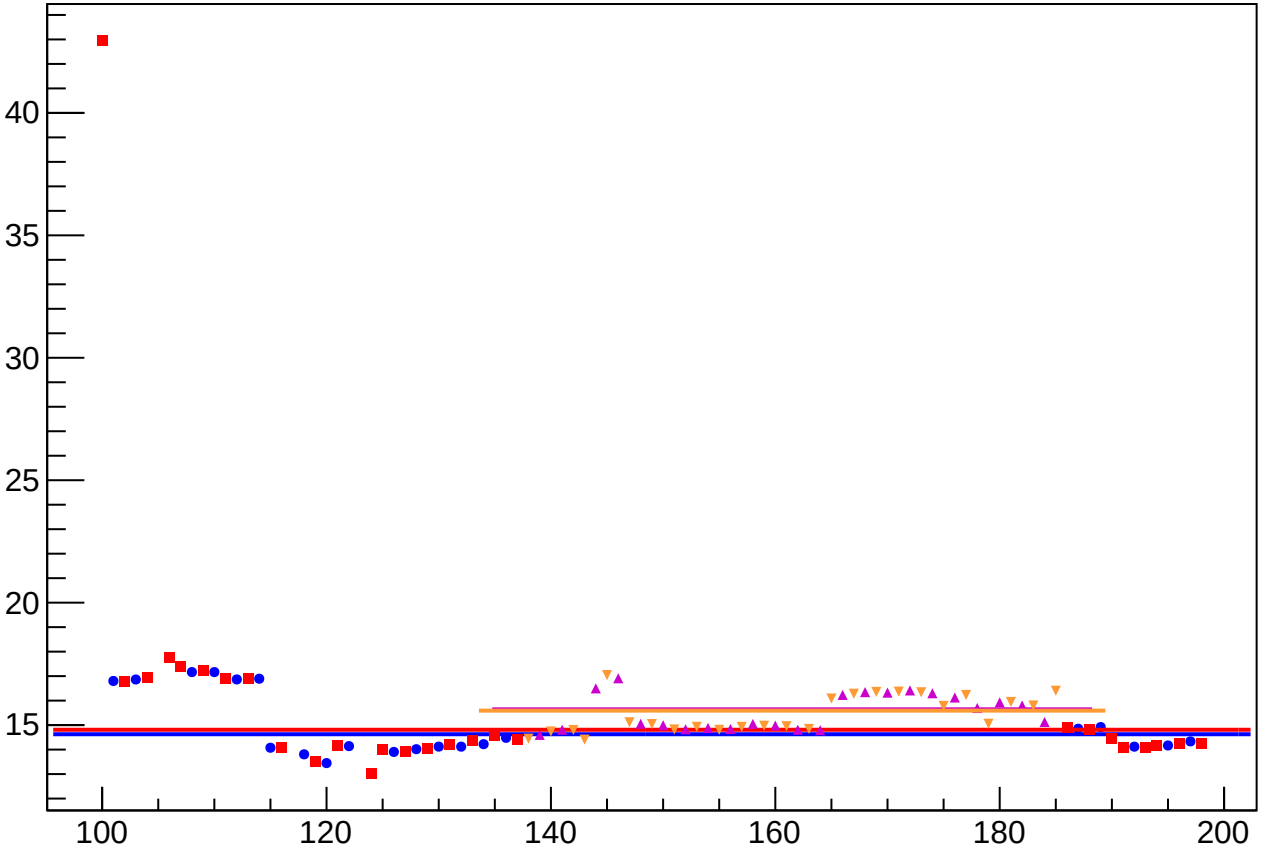
Right: 0.082+/-0.000 χ^2/NDF: 13270554.4/47

In: 0.064+/-0.000 χ^2/NDF:7301722.6/43

Out: 0.062+/-0.000 χ^2/NDF:11084700.7/51

All: 0.063+/-0.000 χ^2/NDF: 18397272.4/95

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.627+/-0.000 χ^2/NDF: 1205740784.2/20

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.810+/-0.000 χ^2/NDF: 1763462923.3/26

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

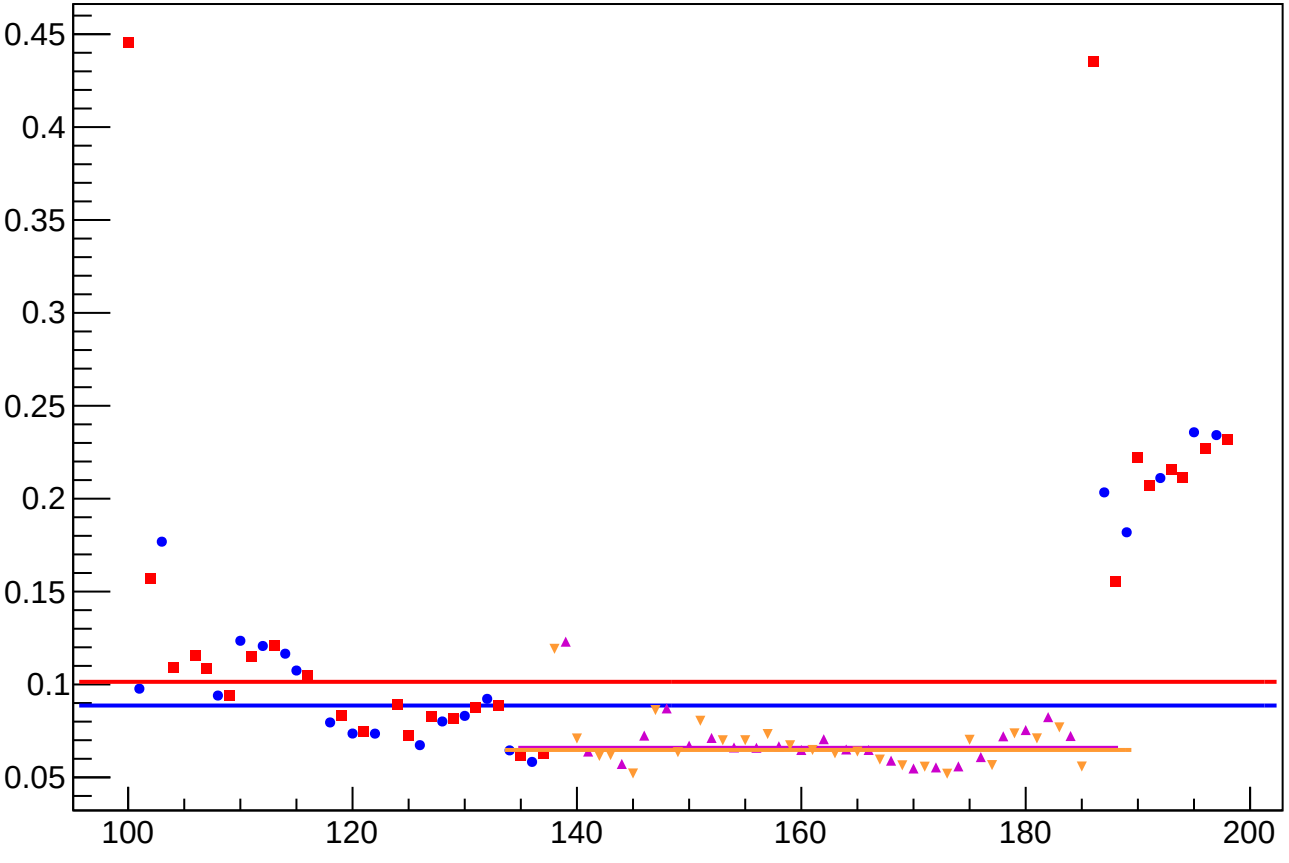
Right: 14.715+/-0.000 χ^2/NDF: 2985540795.9/47

In: 15.421+/-0.000 χ^2/NDF:3880377319.6/43

Out: 15.440+/-0.000 χ^2/NDF:4483748883.2/51

All: 15.430+/-0.000 χ^2/NDF: 8364967072.2/9

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.089+/-0.000 χ^2/NDF: 3396997.6/20

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.101+/-0.000 χ^2/NDF: 4088056.5/26

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

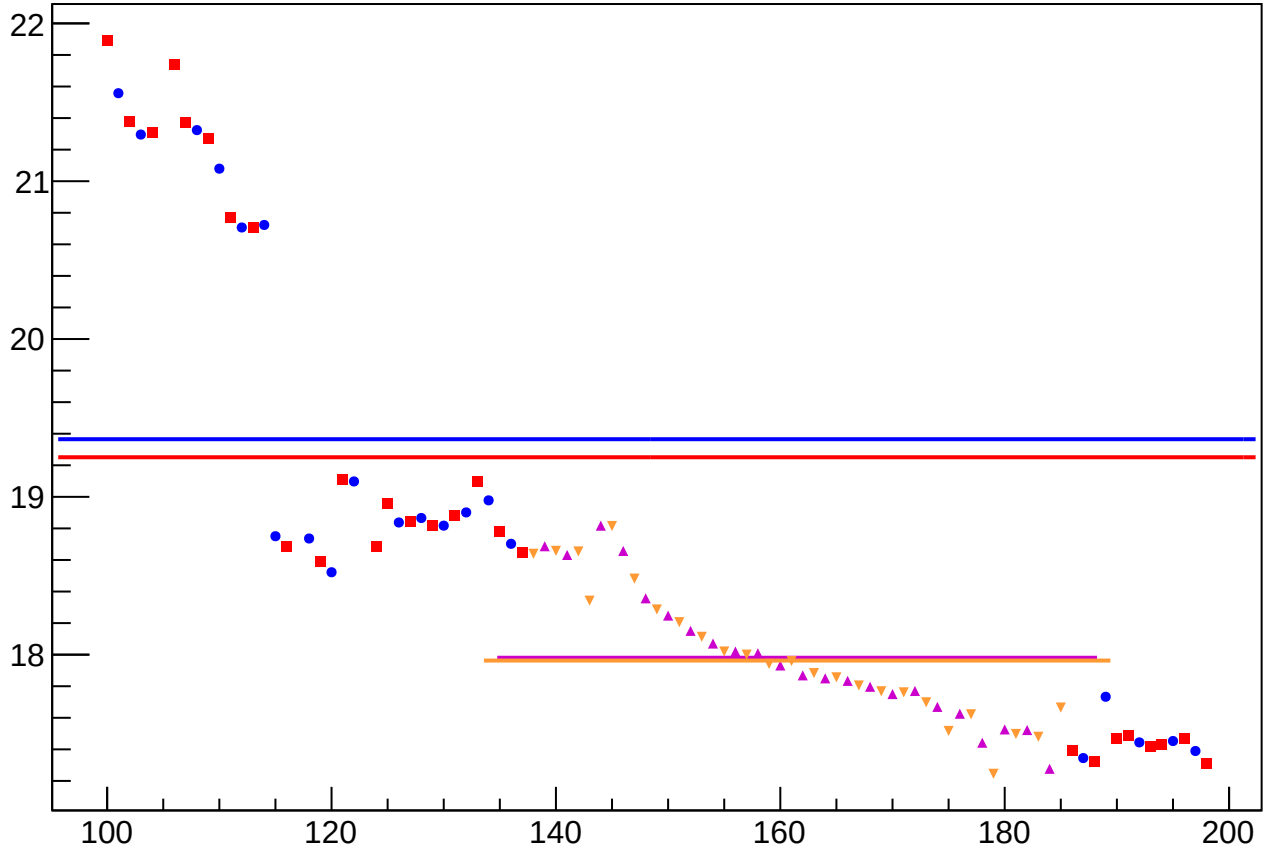
Right: 0.095+/-0.000 χ^2/NDF: 7643648.5/47

In: 0.071+/-0.000 χ^2/NDF:5001796.3/43

Out: 0.072+/-0.000 χ^2/NDF:6982724.9/51

All: 0.071+/-0.000 χ^2/NDF: 11988908.4/95

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.365+/-0.000 χ^2/NDF: 21400700337.4/20

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 19.251+/-0.000 χ^2/NDF: 27113097543.9/26

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

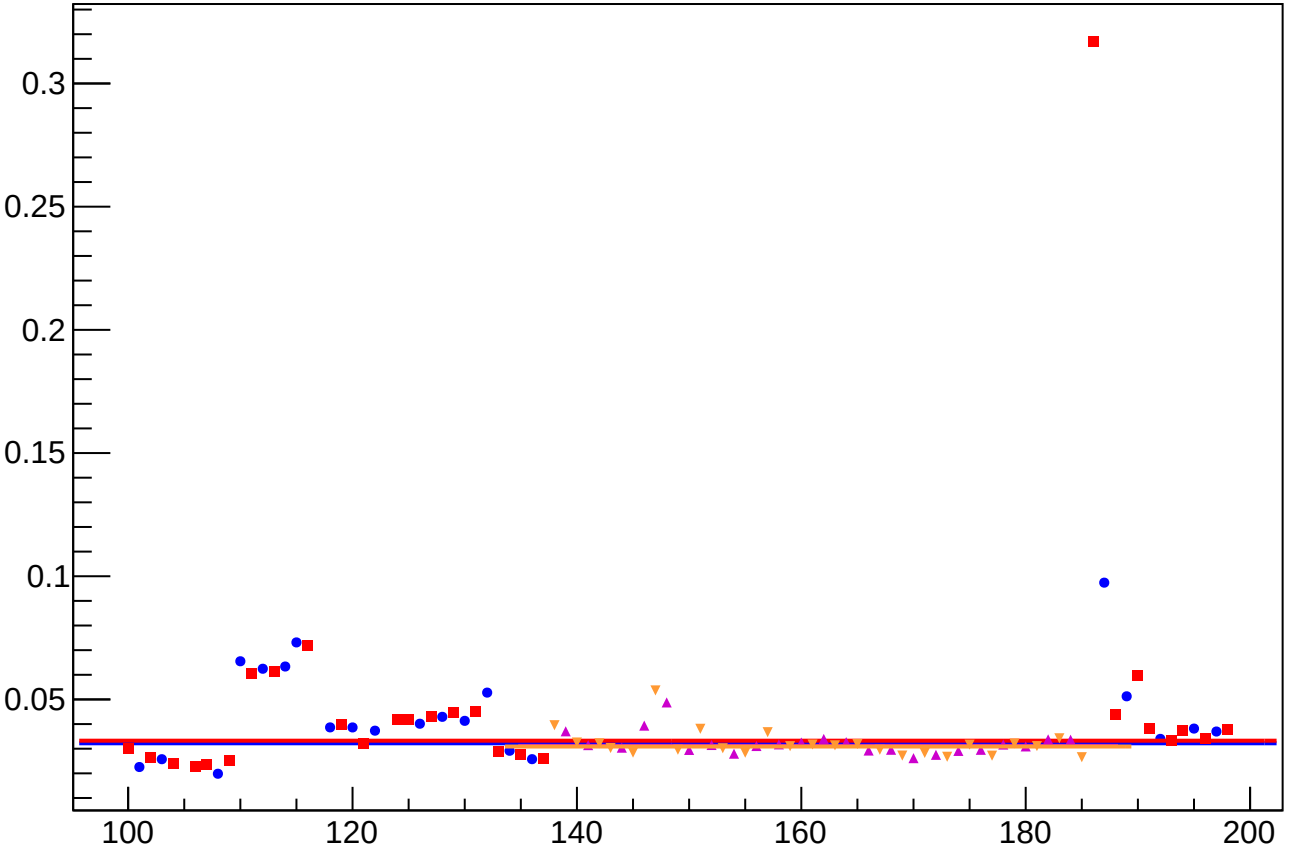
Right: 19.305+/-0.000 χ^2/NDF: 48573838777.5/47

In: 18.433+/-0.000 χ^2/NDF:35308454381.5/43

Out: 18.398+/-0.000 χ^2/NDF:40902357846.8/51

All: 18.414+/-0.000 χ^2/NDF: 76227687528.4

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.032+/-0.000 χ^2/NDF: 1863666.3/20

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.033+/-0.000 χ^2/NDF: 2180660.6/26

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

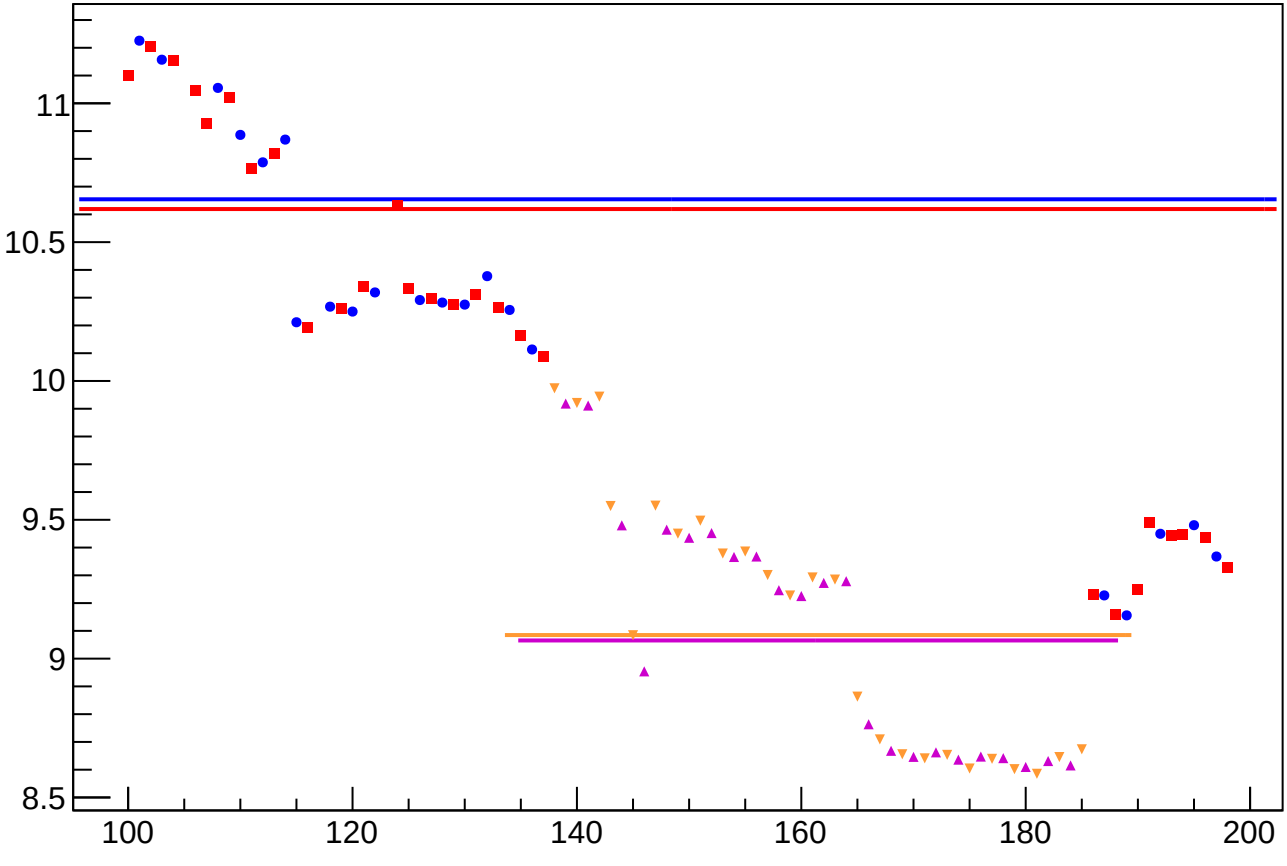
Right: 0.033+/-0.000 χ^2/NDF: 4054637.6/47

In: 0.031+/-0.000 χ^2/NDF:2359768.3/43

Out: 0.032+/-0.000 χ^2/NDF:2886892.7/51

All: 0.032+/-0.000 χ^2/NDF: 5247836.4/95

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.654+/-0.000 χ^2/NDF: 8875416527.6/20

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.619+/-0.000 χ^2/NDF: 9163160791.9/26

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

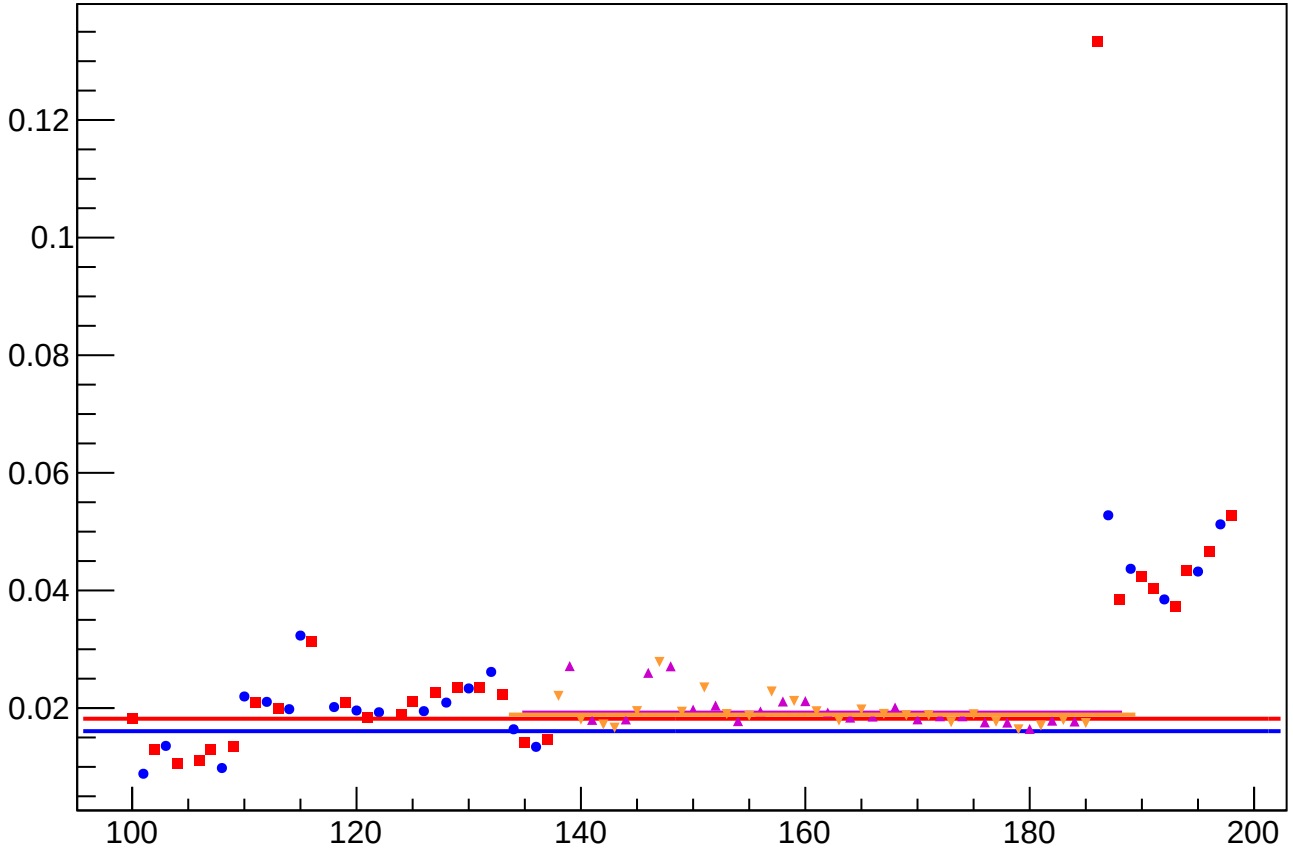
Right: 10.637+/-0.000 χ^2/NDF: 18056356043.7/47

In: 9.695+/-0.000 χ^2/NDF:61717255725.1/43

Out: 9.643+/-0.000 χ^2/NDF:61586822767.8/51

All: 9.668+/-0.000 χ^2/NDF: 123404242628.5

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 4322432.3/20

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.018+/-0.000 χ^2/NDF: 5214401.8/26

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

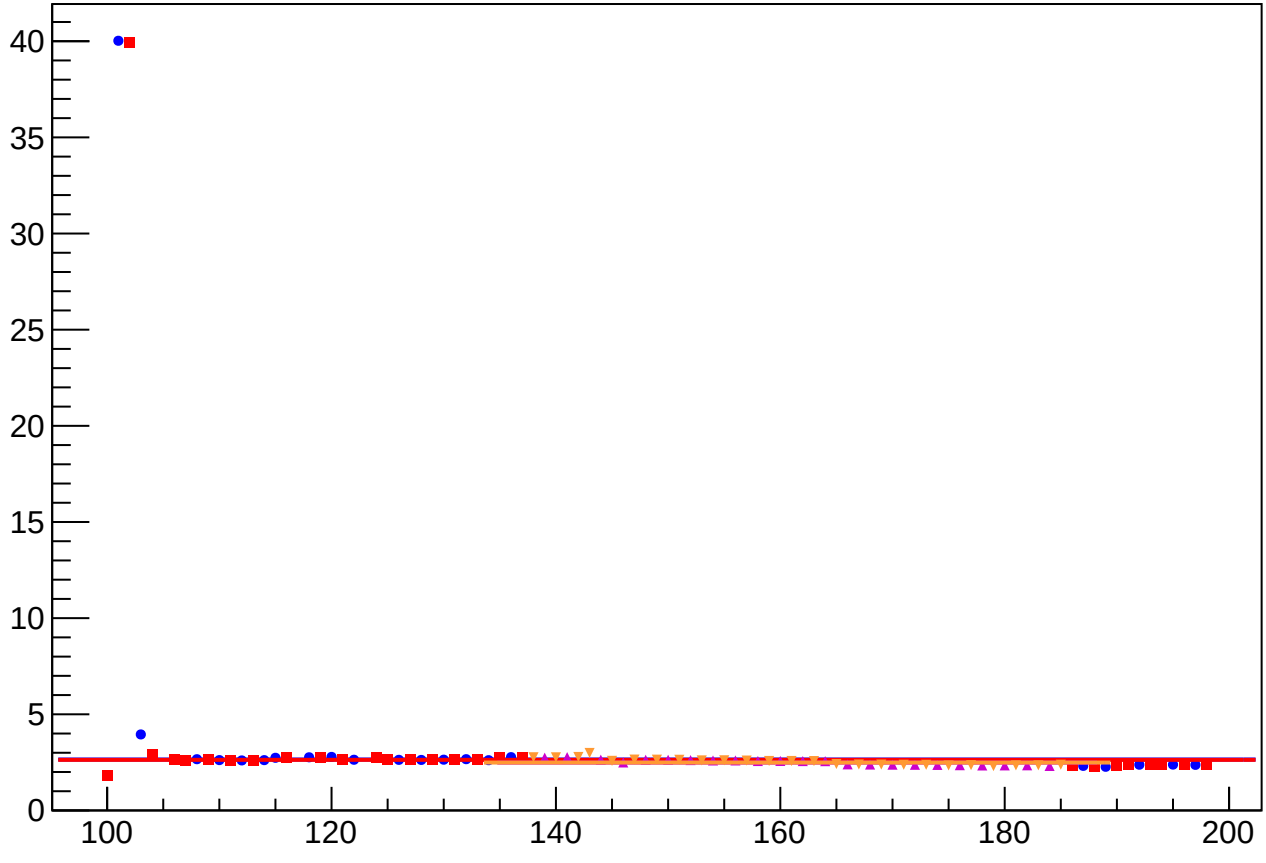
Right: 0.017+/-0.000 χ^2/NDF: 9665702.4/47

In: 0.018+/-0.000 χ^2/NDF:5216995.6/43

Out: 0.019+/-0.000 χ^2/NDF:5673556.7/51

All: 0.018+/-0.000 χ^2/NDF: 10923287.3/95

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.649+/-0.000 χ^2/NDF: 74604787569.5/20

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.631+/-0.000 χ^2/NDF: 76143881118.1/26

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

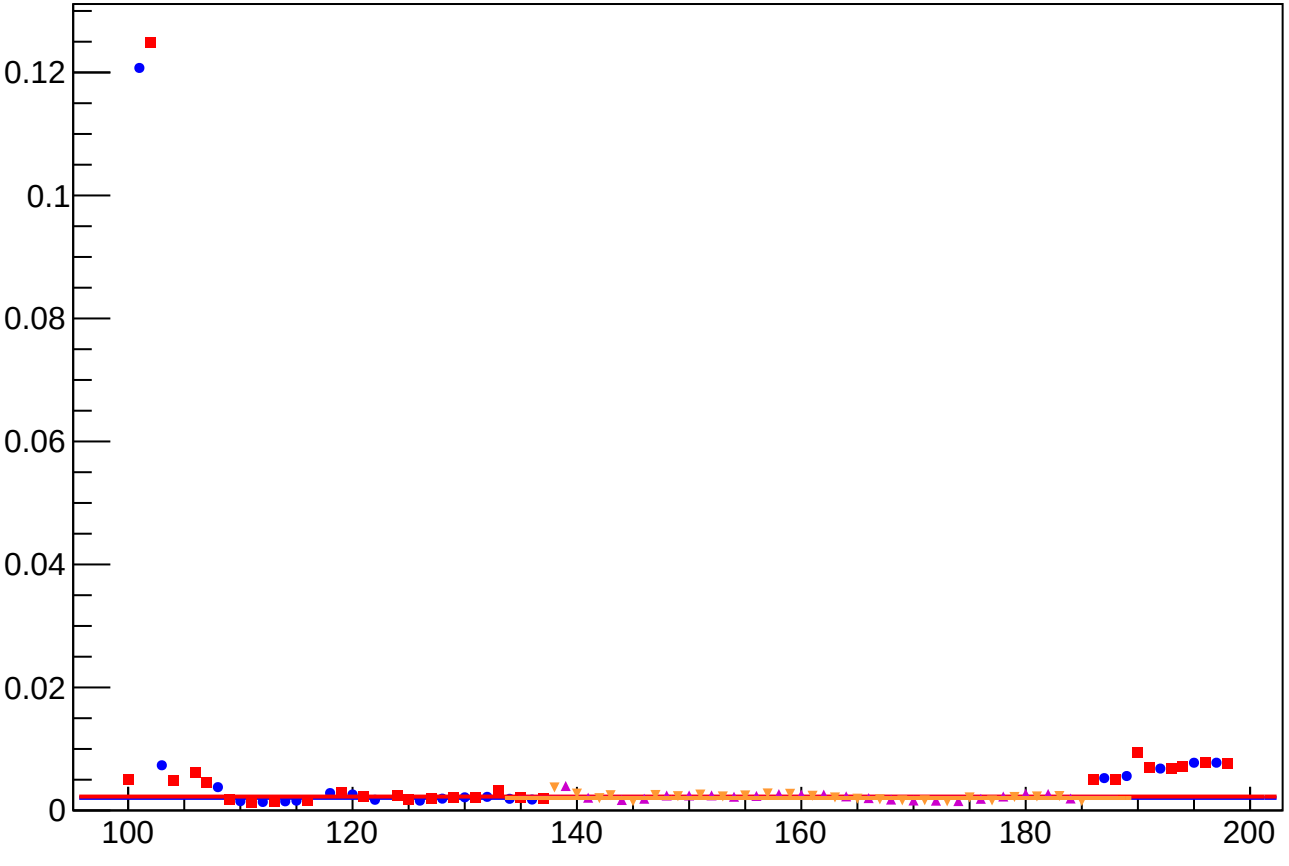
Right: 2.640+/-0.000 χ^2/NDF: 150986793336.9/47

In: 2.538+/-0.000 χ^2/NDF:162922147414.2/43

Out: 2.532+/-0.000 χ^2/NDF:189844437788.8/51

All: 2.535+/-0.000 χ^2/NDF: 352859219252.1

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5251276.1/20

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7425111.3/26

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

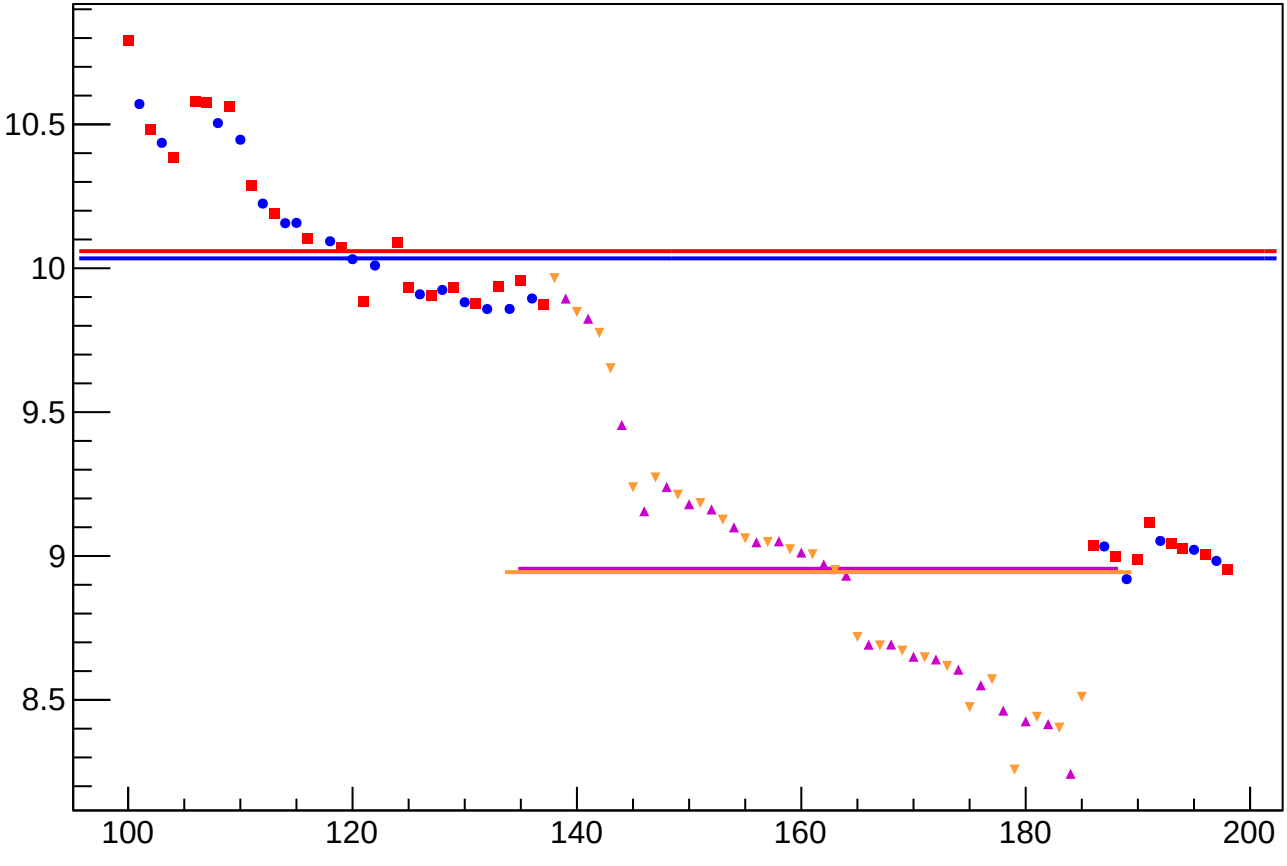
Right: 0.002+/-0.000 χ^2/NDF: 12745706.8/47

In: 0.002+/-0.000 χ^2/NDF:6654553.3/43

Out: 0.002+/-0.000 χ^2/NDF:9100667.5/51

All: 0.002+/-0.000 χ^2/NDF: 15760490.2/95

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.034+/-0.000 χ^2/NDF: 24265757543.4/20

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 10.059+/-0.000 χ^2/NDF: 34313383904.0/26

Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

Left: 8.949+/-0.000 χ^2/NDF: 117486228855.1/47

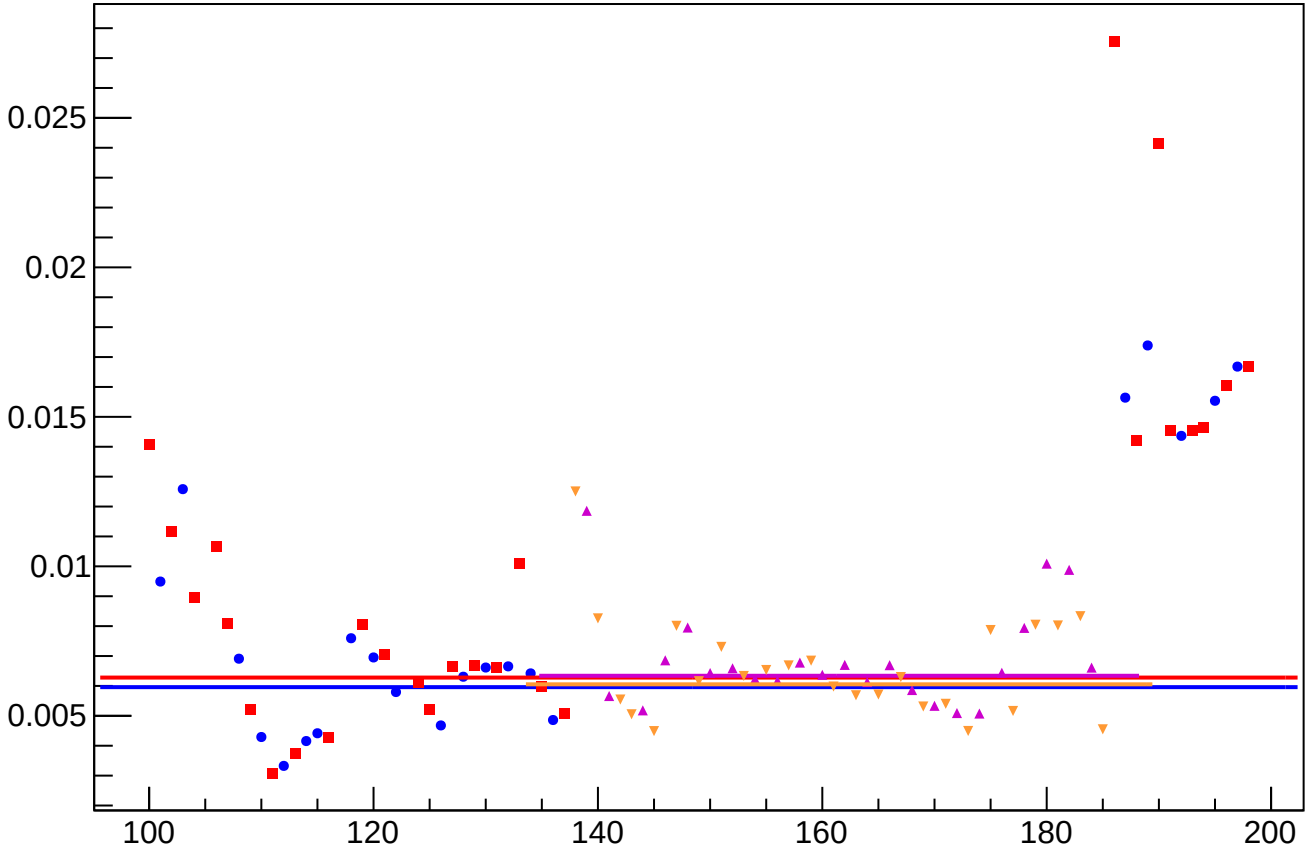
Right: 10.047+/-0.000 χ^2/NDF: 58645685135.8/47

In: 9.348+/-0.000 χ^2/NDF:229078230274.0/43

Out: 9.327+/-0.000 χ^2/NDF:278048107127.6/51

All: 9.337+/-0.000 χ^2/NDF: 507259808059.1

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 4002669.1/20

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 6074552.8/26

Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

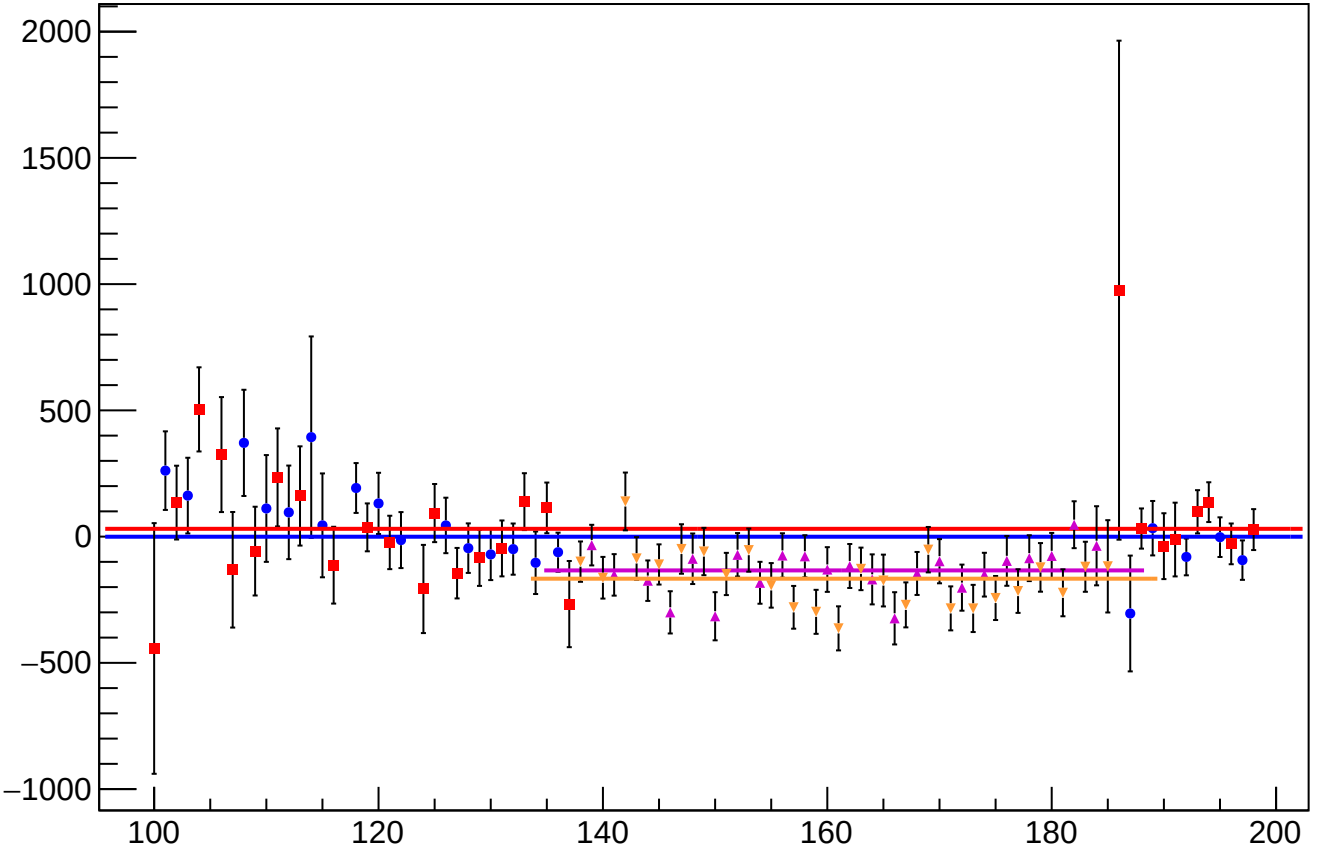
Right: 0.006+/-0.000 χ^2/NDF: 10098978.8/47

In: 0.006+/-0.000 χ^2/NDF:5216027.9/43

Out: 0.006+/-0.000 χ^2/NDF:7550147.6/51

All: 0.006+/-0.000 χ^2/NDF: 12769119.7/95

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: -0.434+/-24.436 χ^2/NDF: 20.6/20

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: 30.859+/-22.913 χ^2/NDF: 30.3/26

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

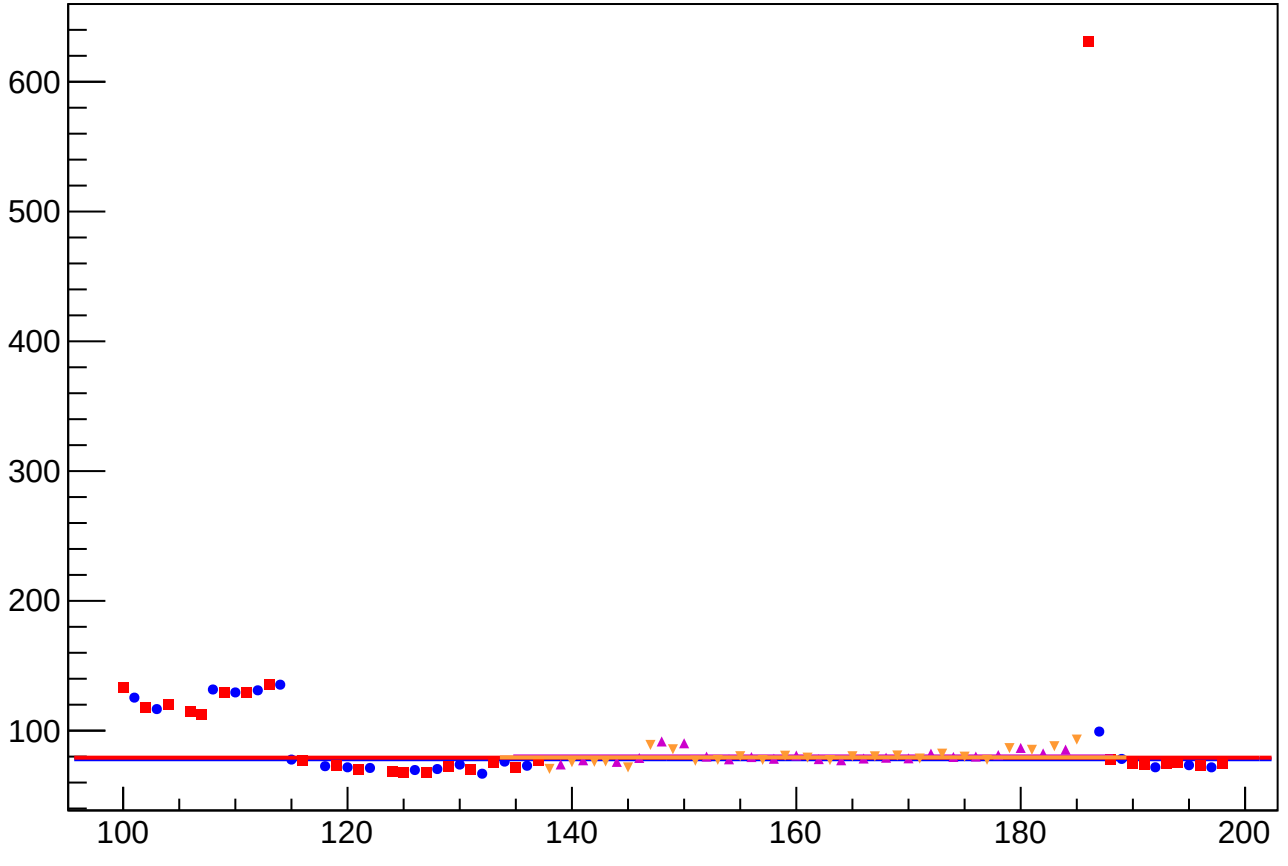
Right: 16.218+/-16.715 χ^2/NDF: 51.8/47

In: -84.385+/-14.878 χ^2/NDF:60.1/43

Out: -90.886+/-14.193 χ^2/NDF:107.7/51

All: -87.789+/-10.270 χ^2/NDF: 167.9/95

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 77.973+/-0.017 χ^2/NDF: 903432.1/20

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 79.183+/-0.016 χ^2/NDF: 1604485.7/26

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

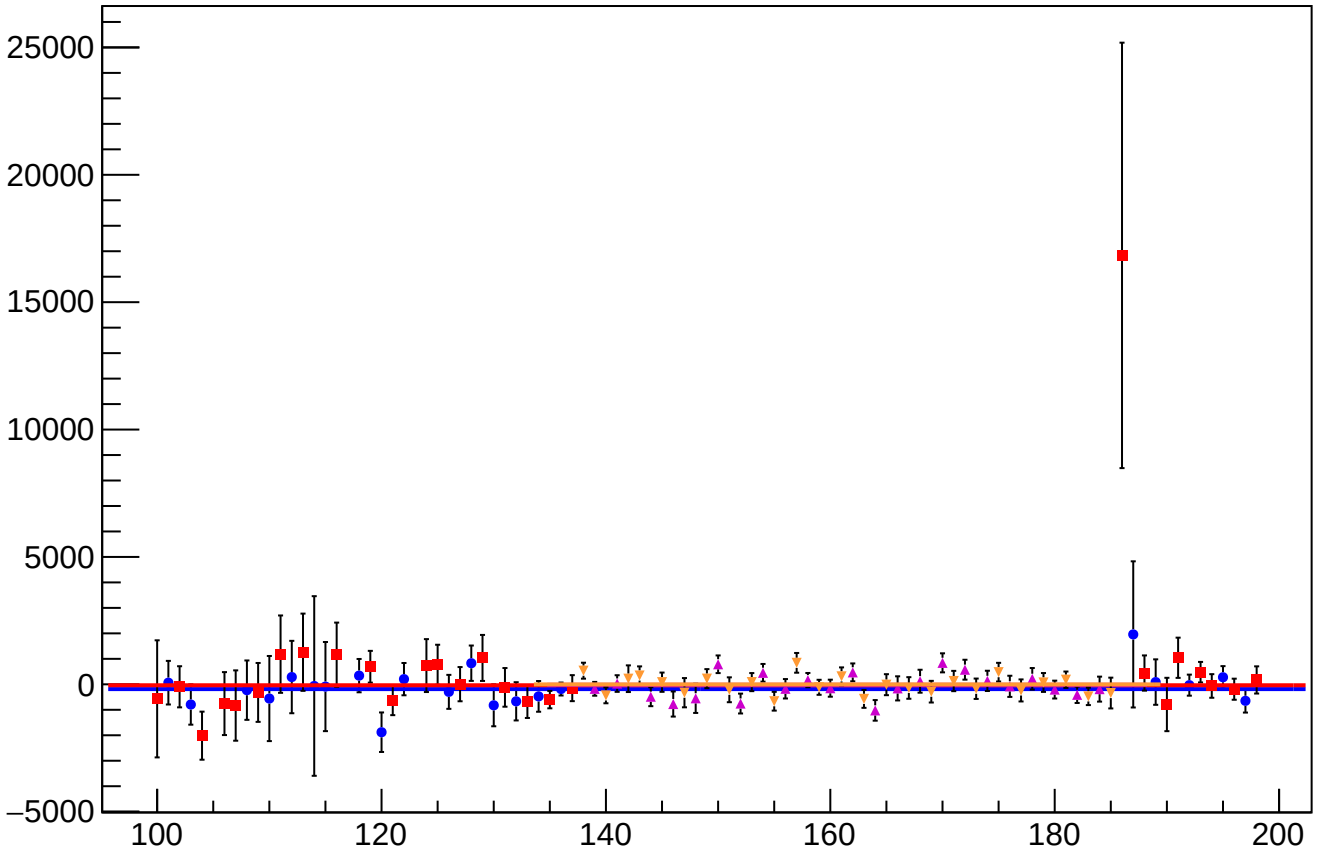
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 78.617+/-0.012 χ^2/NDF: 2510527.9/47

In: 79.349+/-0.011 χ^2/NDF:1004982.1/43

Out: 79.323+/-0.010 χ^2/NDF:1739402.7/51

All: 79.336+/-0.007 χ^2/NDF: 2744388.0/95



Right In: -187.561+/-135.485 χ^2/NDF: 13.0/20

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -36.995+/-129.913 χ^2/NDF: 25.6/26

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

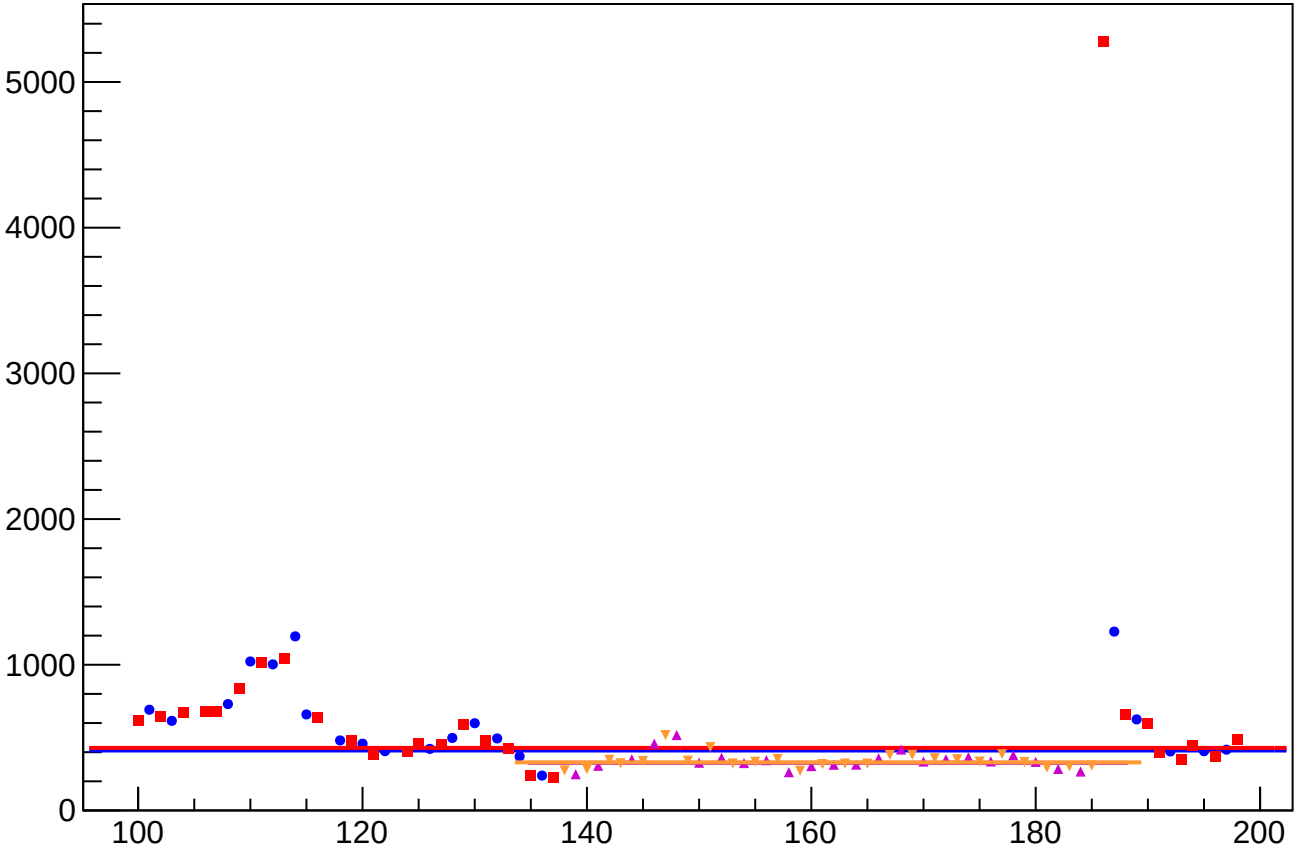
Right: -109.118+/-93.770 χ^2/NDF: 39.2/47

In: -60.814+/-67.298 χ^2/NDF:49.1/43

Out: -11.998+/-65.511 χ^2/NDF:49.7/51

All: -35.749+/-46.942 χ^2/NDF: 99.1/95

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 411.469+/-0.096 χ^2/NDF: 2643356.7/20

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 429.430+/-0.092 χ^2/NDF: 3462611.6/26

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

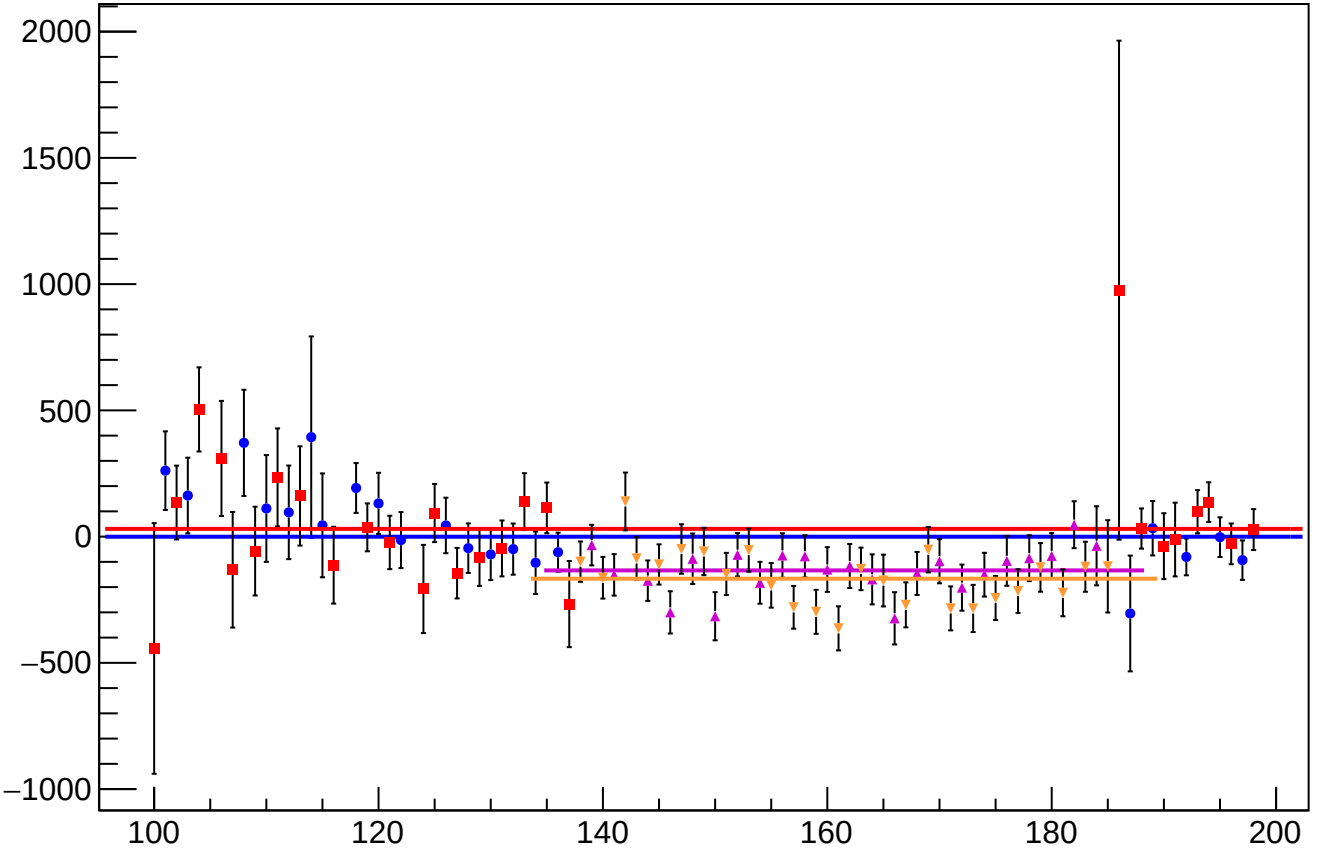
Right: 420.827+/-0.066 χ^2/NDF: 6124280.1/47

In: 347.814+/-0.048 χ^2/NDF:4128782.0/43

Out: 355.260+/-0.046 χ^2/NDF:4996060.1/51

All: 351.637+/-0.033 χ^2/NDF: 9137413.7/95

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -0.427+/-24.436 χ^2/NDF: 20.6/20

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 30.698+/-22.914 χ^2/NDF: 30.1/26

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

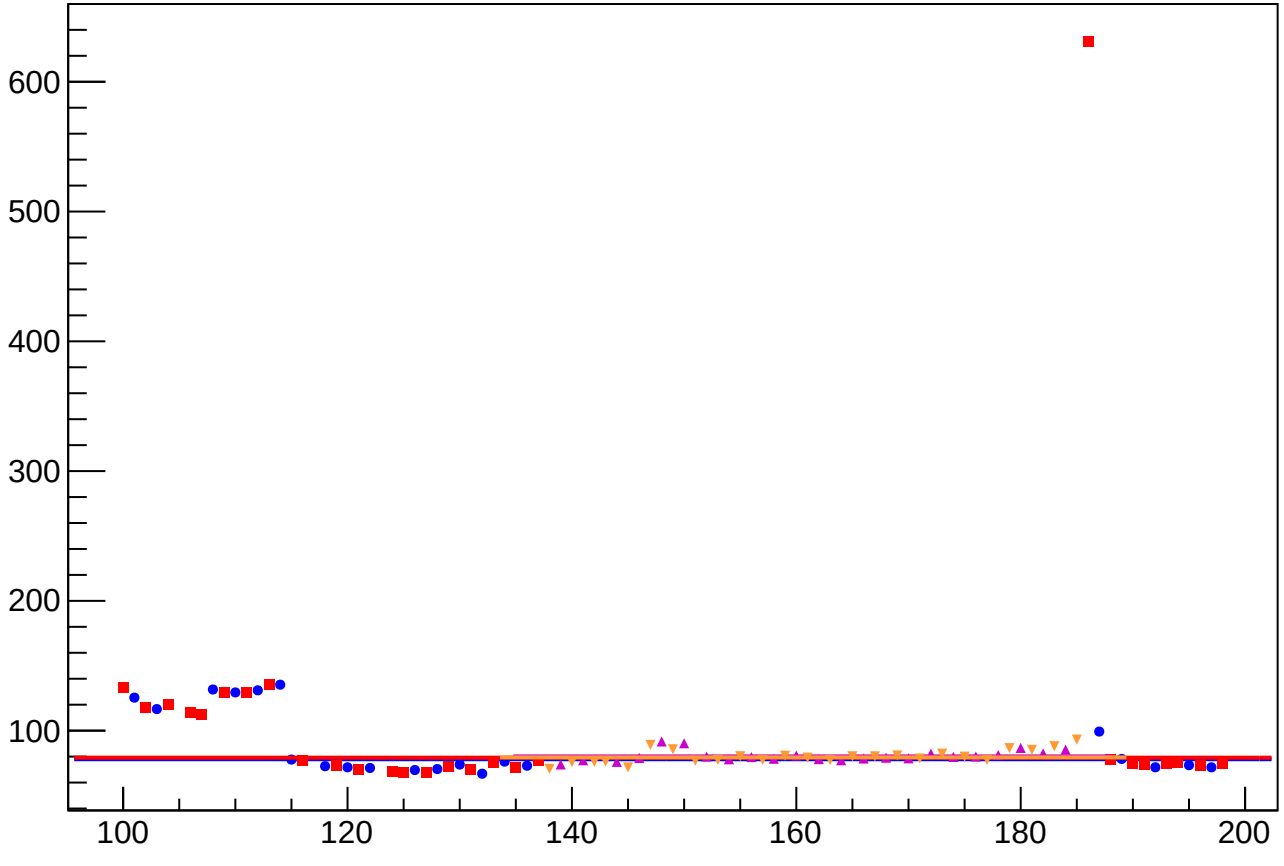
Right: 16.135+/-16.715 χ^2/NDF: 51.6/47

In: -84.387+/-14.878 χ^2/NDF:60.1/43

Out: -90.948+/-14.193 χ^2/NDF:107.5/51

All: -87.822+/-10.270 χ^2/NDF: 167.7/95

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 77.973+/-0.017 χ^2/NDF: 903432.3/20

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 79.175+/-0.016 χ^2/NDF: 1602438.5/26

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

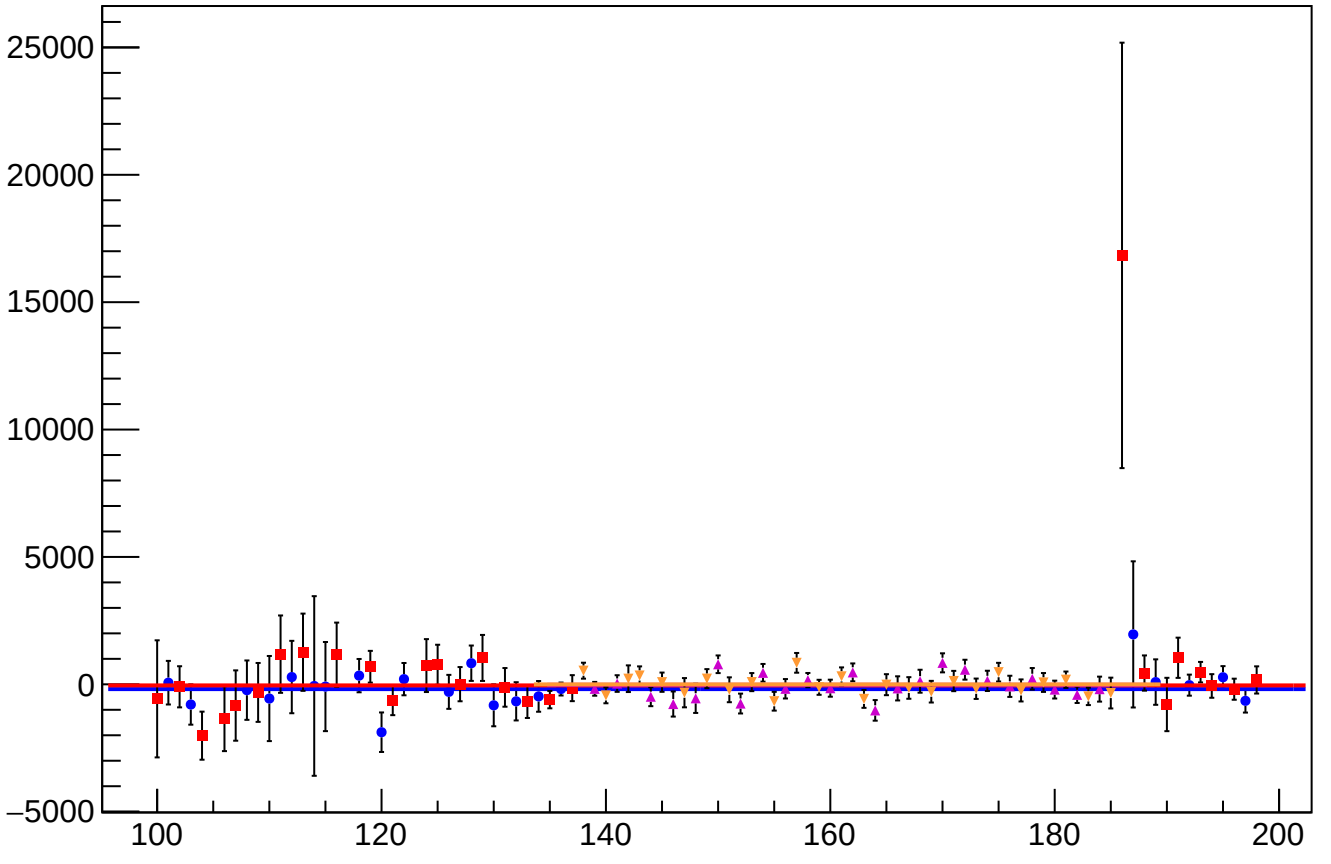
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 78.613+/-0.012 χ^2/NDF: 2508445.3/47

In: 79.349+/-0.011 χ^2/NDF:1004982.3/43

Out: 79.320+/-0.010 χ^2/NDF:1737364.5/51

All: 79.334+/-0.007 χ^2/NDF: 2742350.9/95



Right In: -187.558+/-135.485 χ^2/NDF: 13.0/20

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -42.680+/-129.956 χ^2/NDF: 26.3/26

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

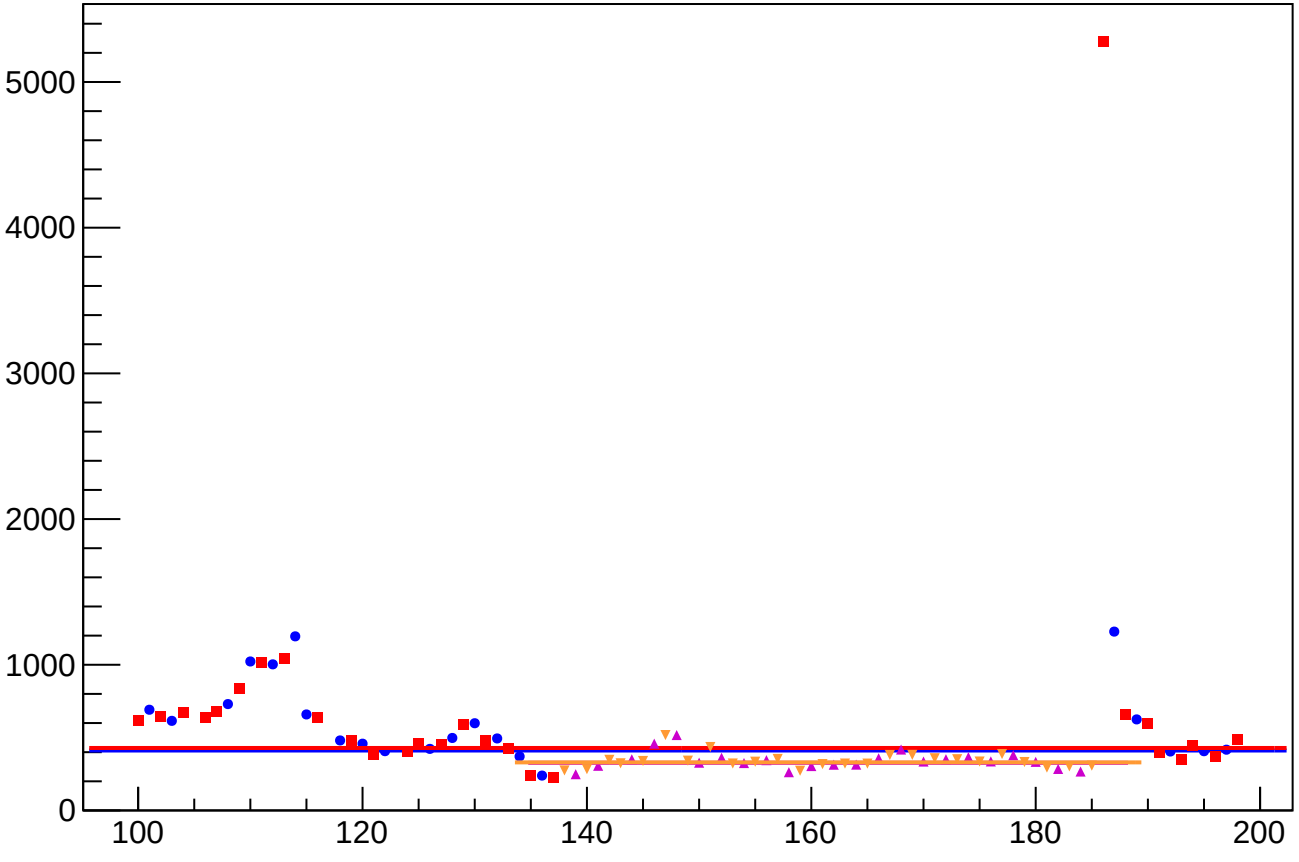
Right: -112.103+/-93.787 χ^2/NDF: 39.9/47

In: -60.818+/-67.298 χ^2/NDF:49.1/43

Out: -13.438+/-65.517 χ^2/NDF:50.4/51

All: -36.493+/-46.944 χ^2/NDF: 99.8/95

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 411.469+/-0.096 χ^2/NDF: 2643351.2/20

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 428.856+/-0.092 χ^2/NDF: 3435344.4/26

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

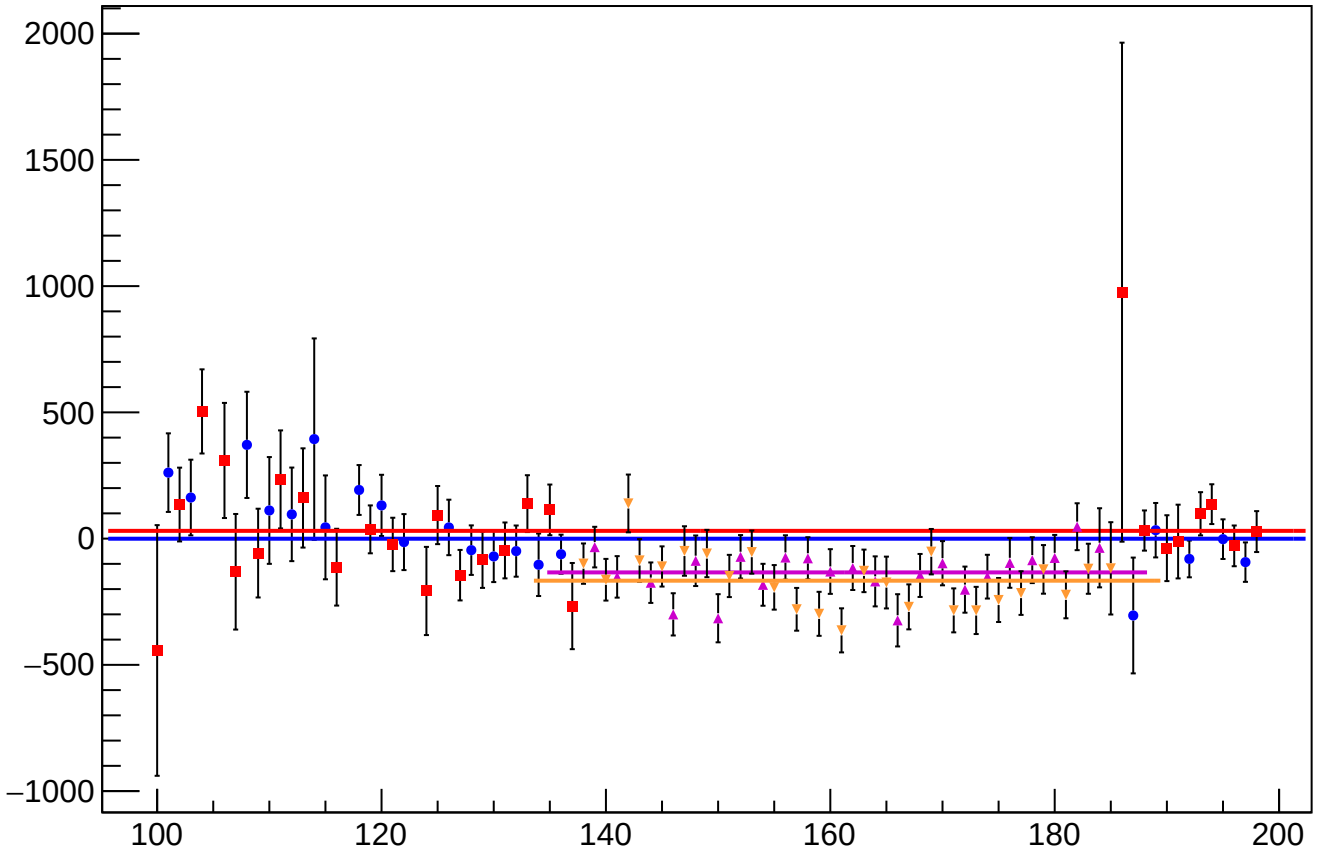
Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

Right: 420.525+/-0.066 χ^2/NDF: 6095849.9/47

In: 347.814+/-0.048 χ^2/NDF:4128781.9/43

Out: 355.101+/-0.046 χ^2/NDF:4958312.0/51

All: 351.555+/-0.033 χ^2/NDF: 9099134.8/95



Right In: -0.427+/-24.436 χ^2/NDF: 20.6/20

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 30.698+/-22.914 χ^2/NDF: 30.1/26

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

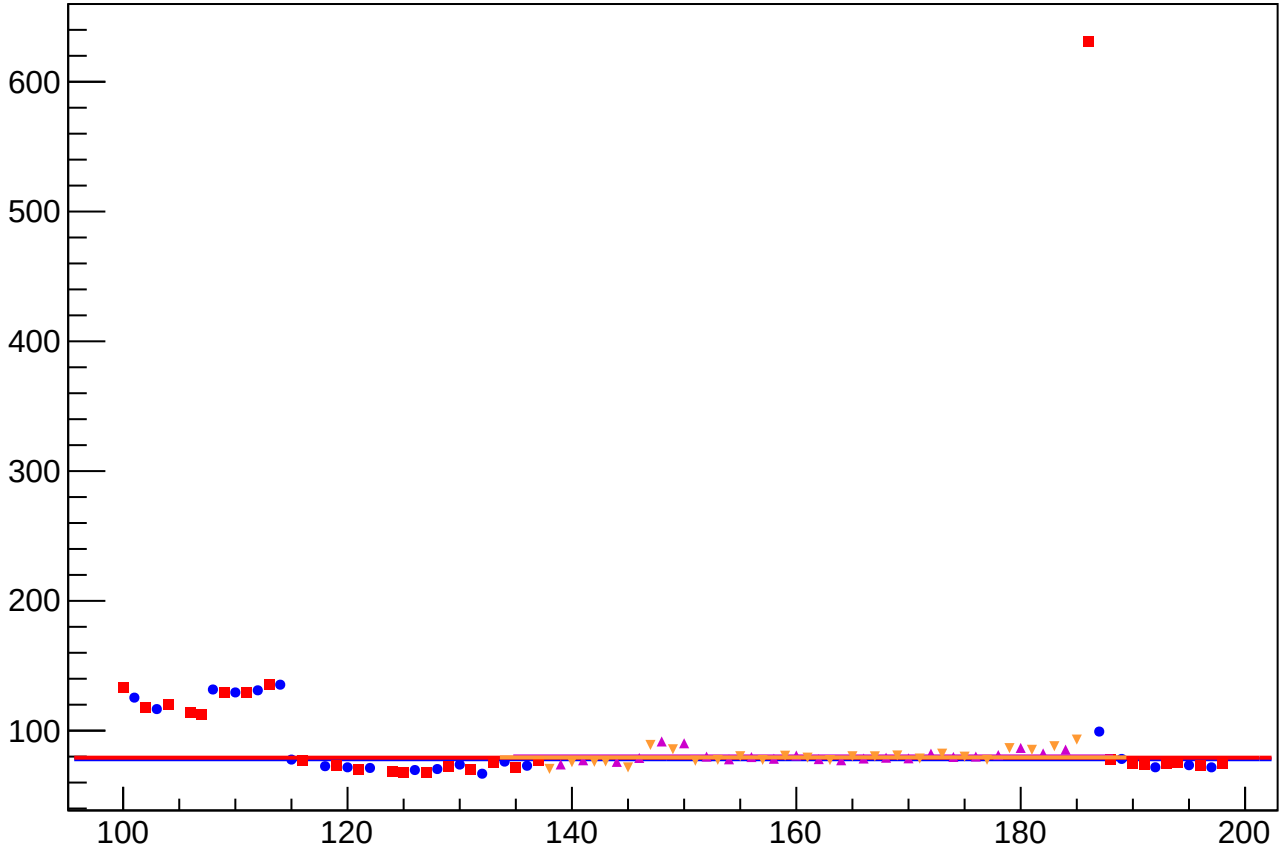
Right: 16.135+/-16.715 χ^2/NDF: 51.6/47

In: -84.387+/-14.878 χ^2/NDF:60.1/43

Out: -90.948+/-14.193 χ^2/NDF:107.5/51

All: -87.822+/-10.270 χ^2/NDF: 167.7/95

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 77.973+/-0.017 χ^2/NDF: 903432.3/20

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 79.175+/-0.016 χ^2/NDF: 1602438.5/26

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

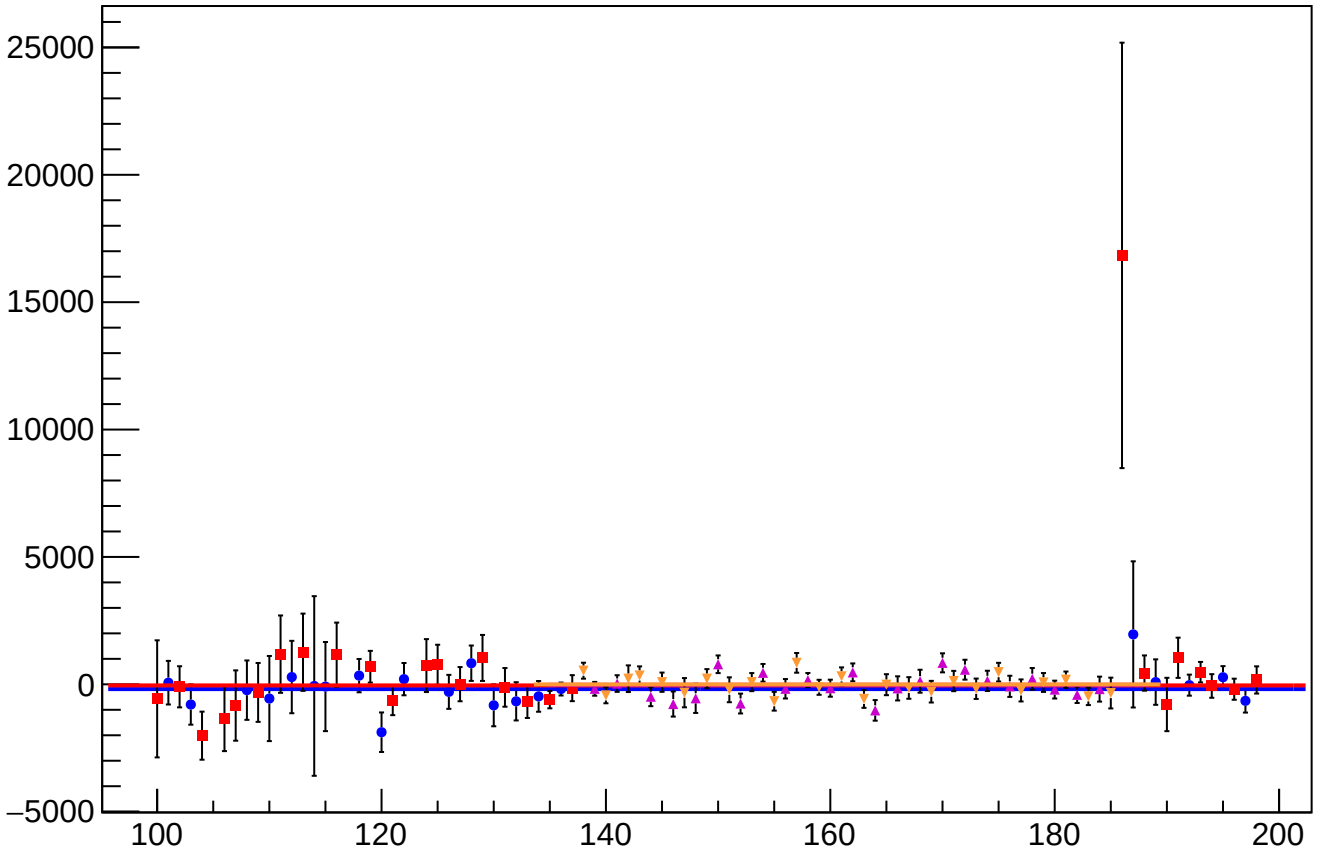
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 78.613+/-0.012 χ^2/NDF: 2508445.3/47

In: 79.349+/-0.011 χ^2/NDF:1004982.3/43

Out: 79.320+/-0.010 χ^2/NDF:1737364.5/51

All: 79.334+/-0.007 χ^2/NDF: 2742350.9/95



Right In: -187.558+/-135.485 χ^2/NDF: 13.0/20

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -42.680+/-129.956 χ^2/NDF: 26.3/26

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

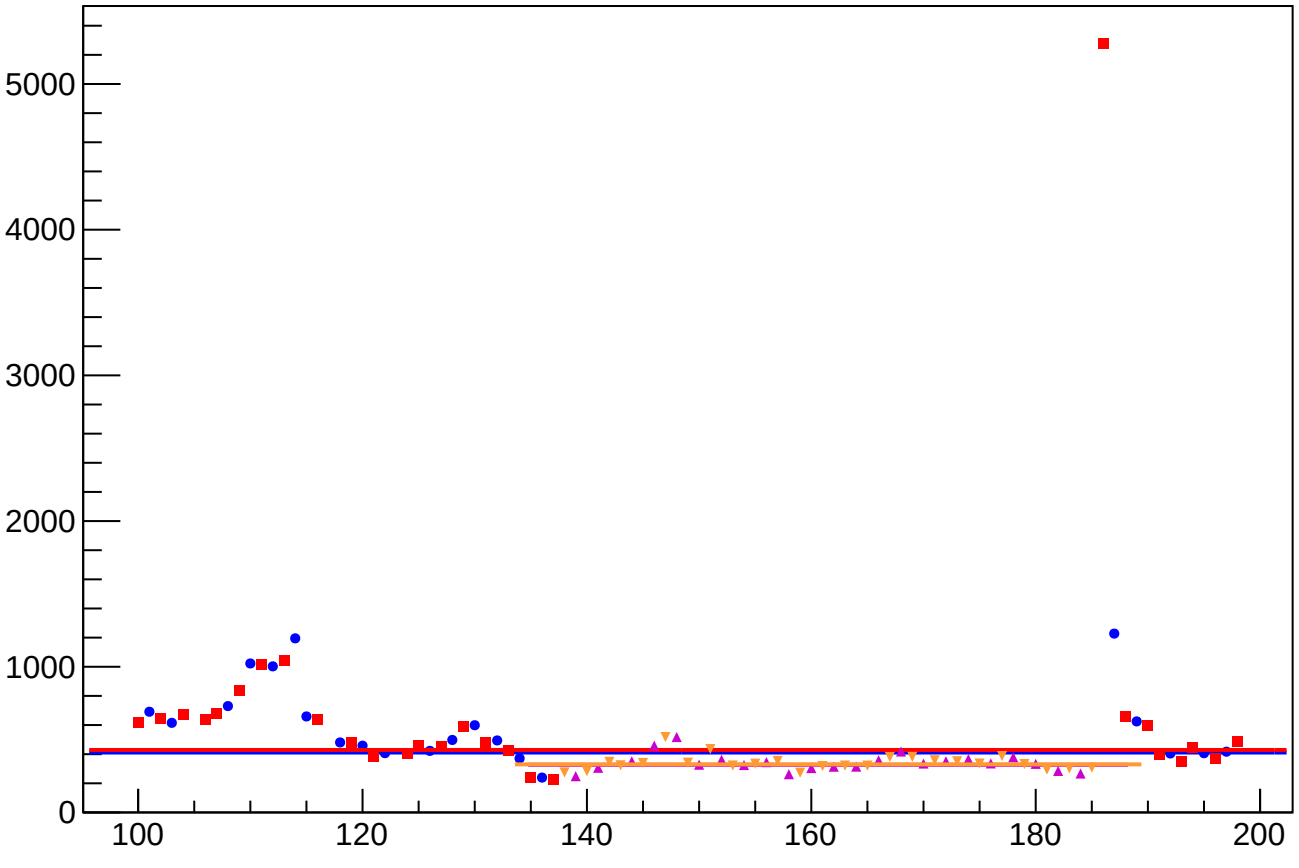
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -112.103+/-93.787 χ^2/NDF: 39.9/47

In: -60.818+/-67.298 χ^2/NDF:49.1/43

Out: -13.438+/-65.517 χ^2/NDF:50.4/51

All: -36.493+/-46.944 χ^2/NDF: 99.8/95



Right In: 411.469+/-0.096 χ^2/NDF: 2643351.2/20

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 428.856+/-0.092 χ^2/NDF: 3435344.4/26

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

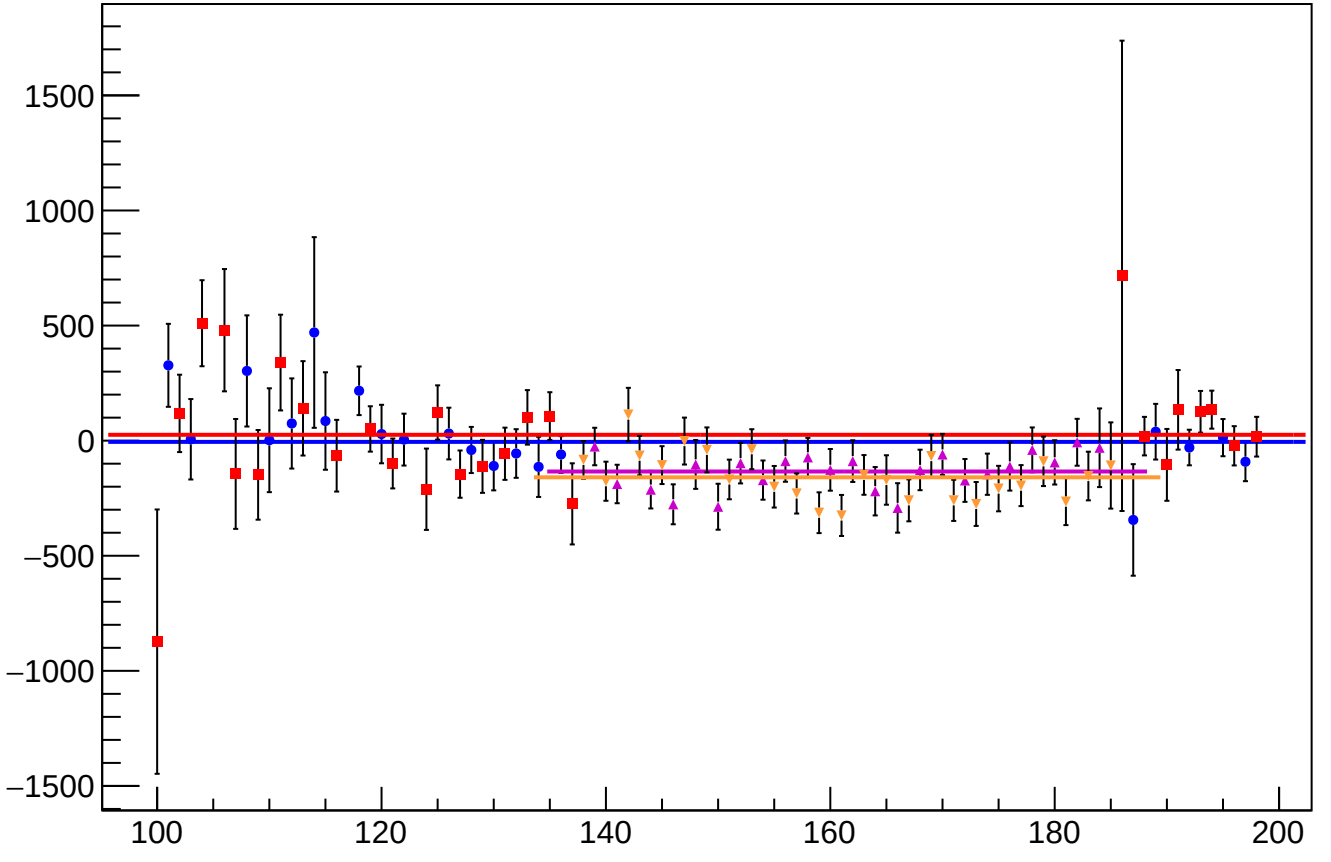
Right: 420.525+/-0.066 χ^2/NDF: 6095849.9/47

In: 347.814+/-0.048 χ^2/NDF:4128781.9/43

Out: 355.101+/-0.046 χ^2/NDF:4958312.0/51

All: 351.555+/-0.033 χ^2/NDF: 9099134.8/95

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: -5.257+/-25.773 χ^2/NDF: 17.1/20

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 25.454+/-24.193 χ^2/NDF: 34.0/26

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

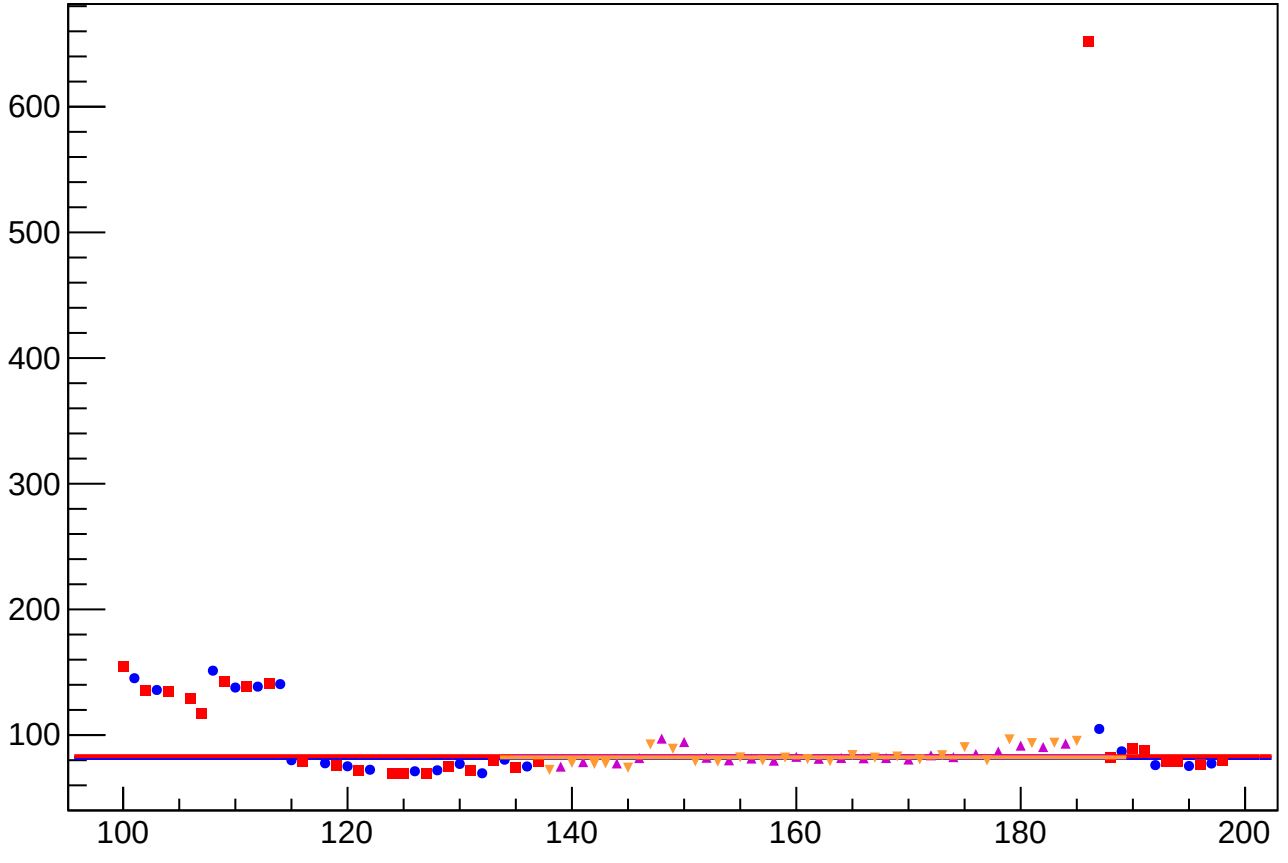
Right: 11.069+/-17.639 χ^2/NDF: 51.8/47

In: -87.319+/-15.521 χ^2/NDF:49.4/43

Out: -89.924+/-14.820 χ^2/NDF:98.6/51

All: -88.682+/-10.718 χ^2/NDF: 148.0/95

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 81.782+/-0.018 χ^2/NDF: 1092294.2/20

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 83.206+/-0.017 χ^2/NDF: 1774096.4/26

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

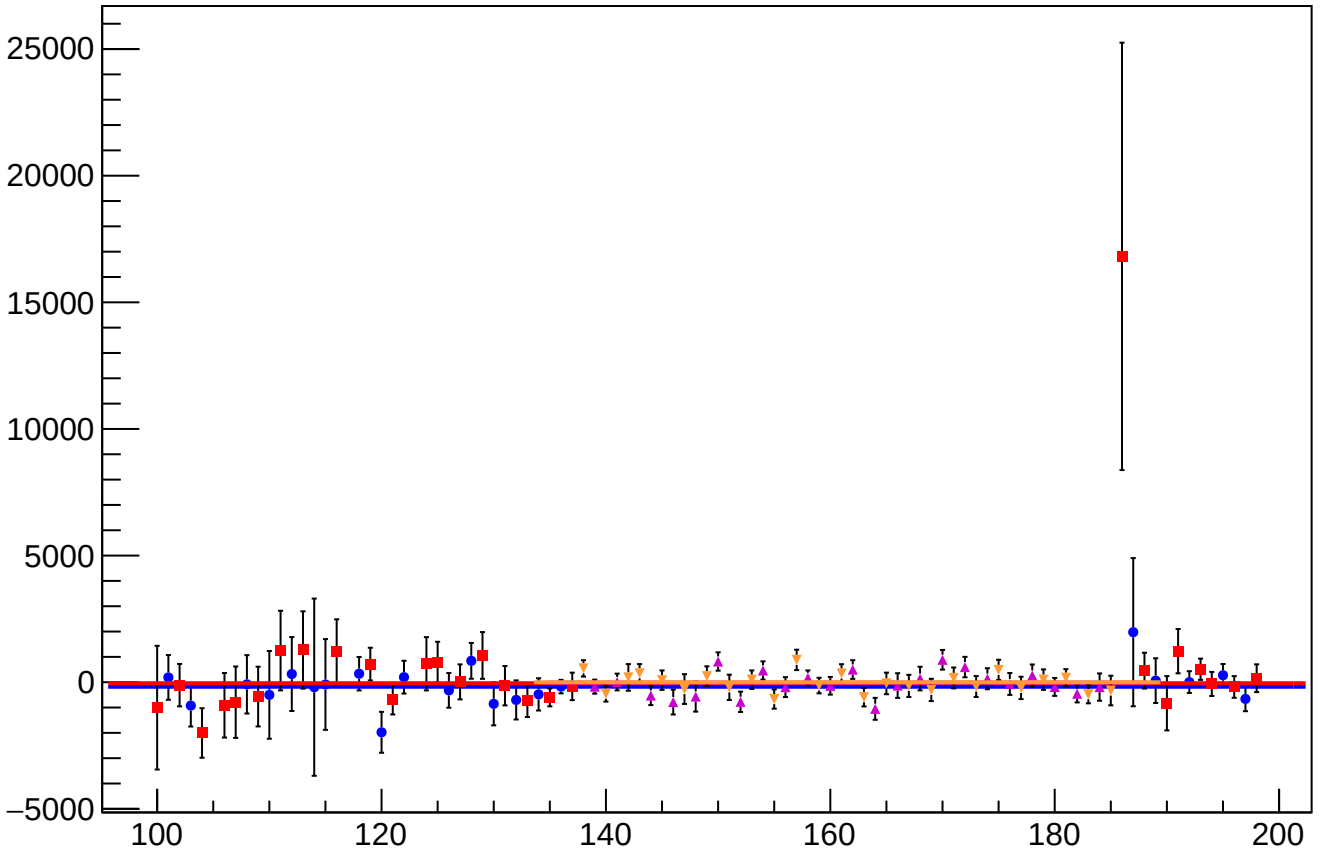
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 82.539+/-0.012 χ^2/NDF: 2869639.5/47

In: 82.554+/-0.011 χ^2/NDF:1240719.3/43

Out: 82.607+/-0.010 χ^2/NDF:1992608.3/51

All: 82.582+/-0.008 χ^2/NDF: 3233340.0/95



Right In: -178.634+/-140.440 χ^2/NDF: 13.3/20

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: -40.199+/-134.448 χ^2/NDF: 25.8/26

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

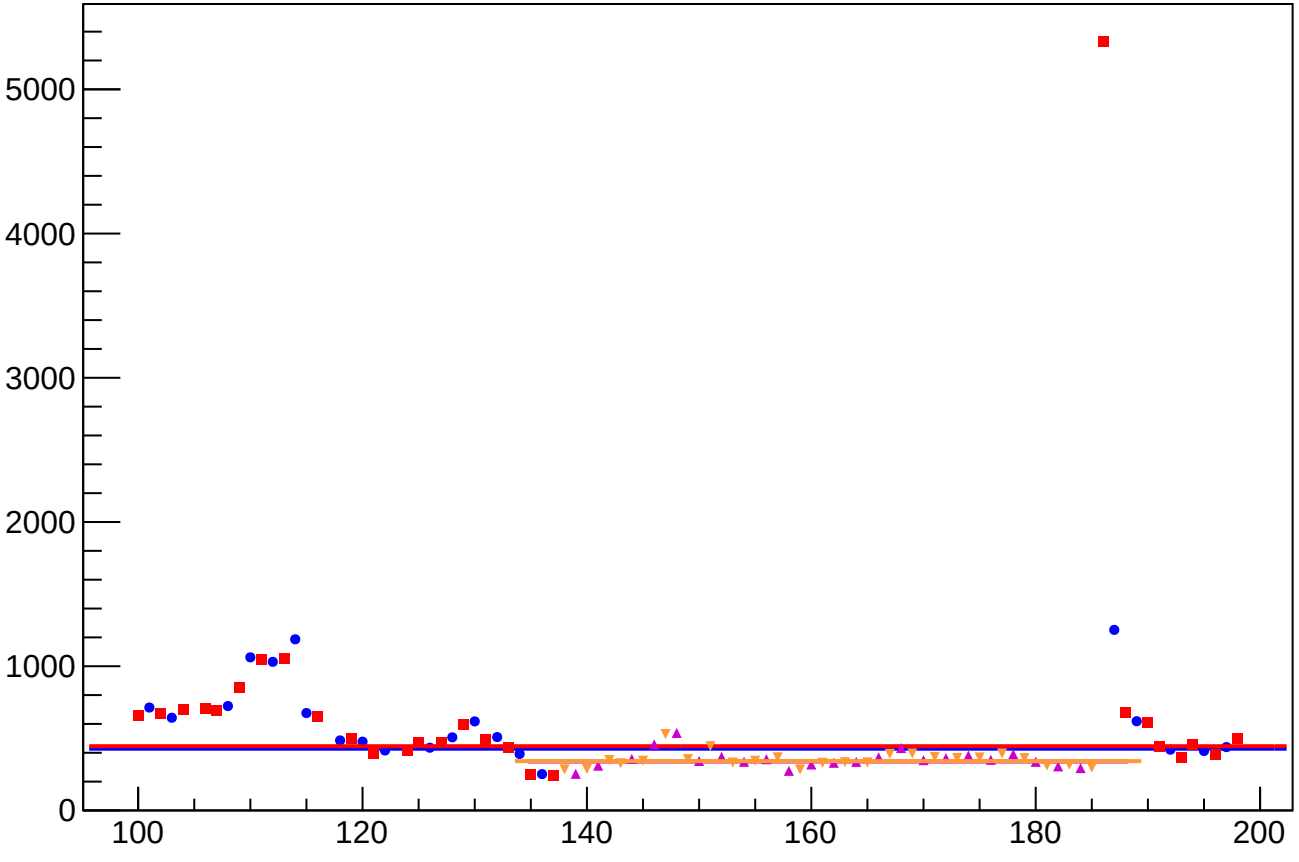
Right: -106.400+/-97.118 χ^2/NDF: 39.6/47

In: -56.543+/-69.781 χ^2/NDF:49.2/43

Out: -12.542+/-67.843 χ^2/NDF:49.4/51

All: -33.923+/-48.643 χ^2/NDF: 98.8/95

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



Right In: 428.169+/-0.099 χ^2/NDF: 2514319.3/20

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 445.432+/-0.095 χ^2/NDF: 3372919.7/26

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

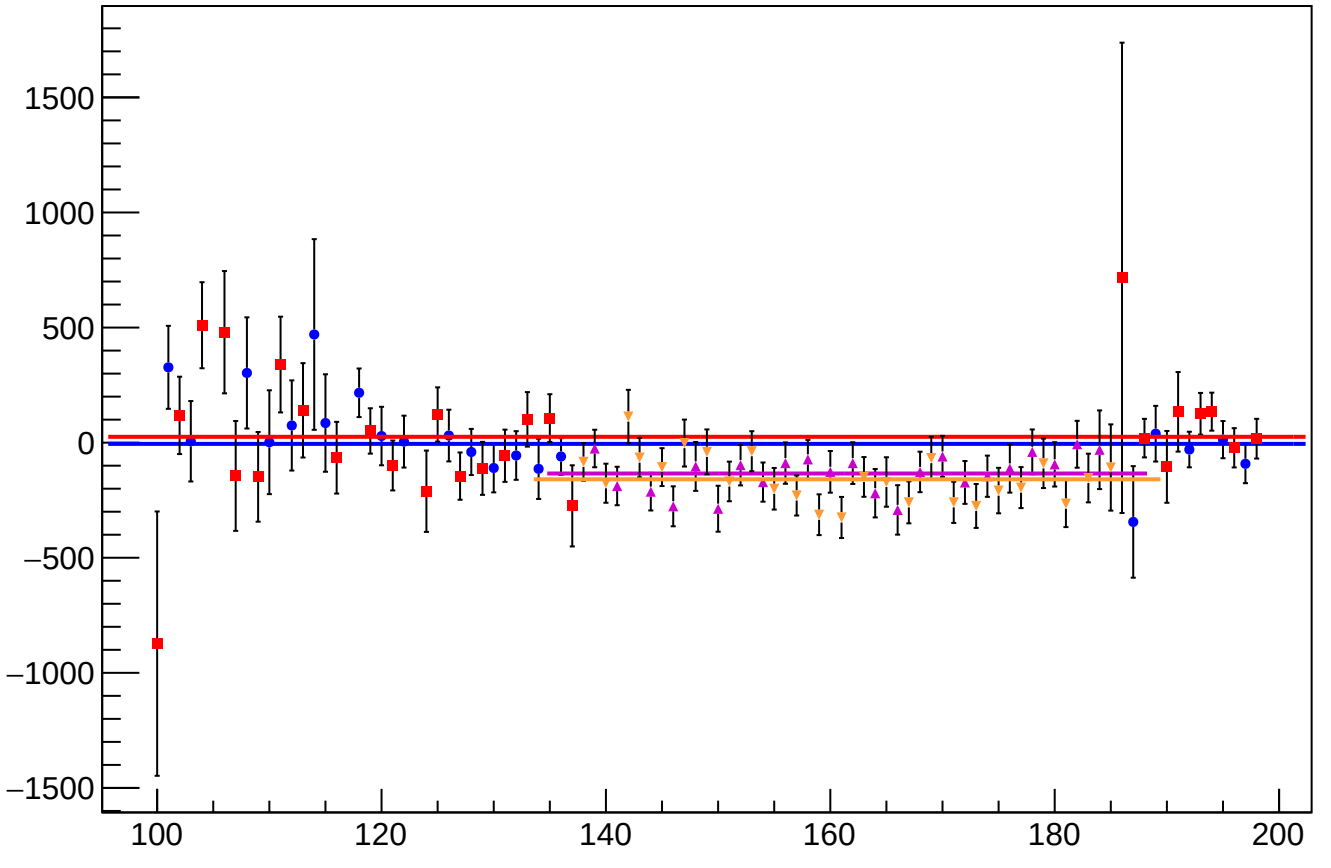
Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

Right: 437.176+/-0.069 χ^2/NDF: 5903007.1/47

In: 361.338+/-0.049 χ^2/NDF:3962390.6/43

Out: 368.275+/-0.048 χ^2/NDF:4910520.6/51

All: 364.904+/-0.034 χ^2/NDF: 8883072.4/95



Right In: -5.256+/-25.773 χ^2/NDF: 17.1/20

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 25.453+/-24.193 χ^2/NDF: 34.0/26

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

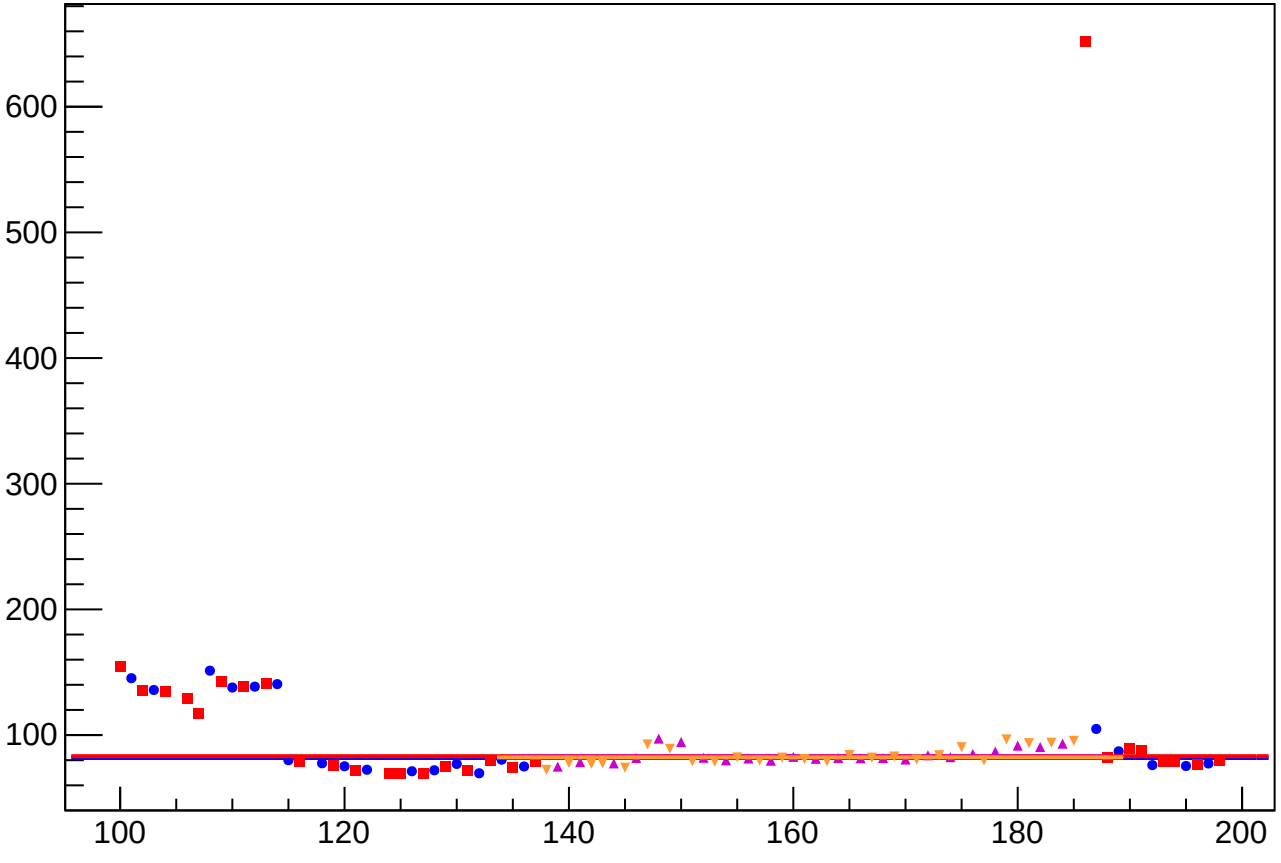
Right: 11.069+/-17.639 χ^2/NDF: 51.8/47

In: -87.319+/-15.521 χ^2/NDF:49.4/43

Out: -89.924+/-14.820 χ^2/NDF:98.6/51

All: -88.682+/-10.718 χ^2/NDF: 148.0/95

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 81.781+/-0.018 χ^2/NDF: 1092294.9/20

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 83.206+/-0.017 χ^2/NDF: 1774096.3/26

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

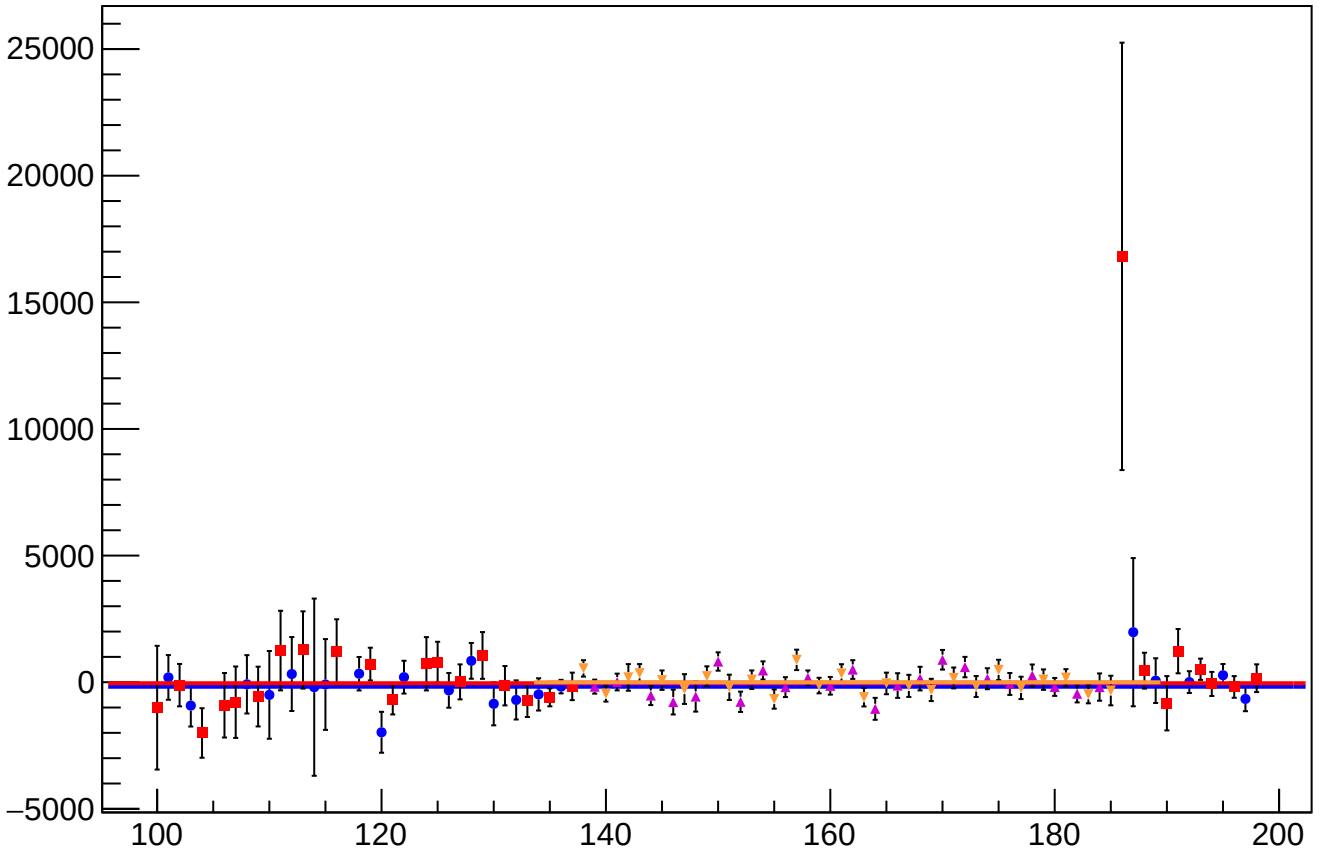
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 82.539+/-0.012 χ^2/NDF: 2869640.0/47

In: 82.554+/-0.011 χ^2/NDF:1240719.0/43

Out: 82.607+/-0.010 χ^2/NDF:1992607.9/51

All: 82.582+/-0.008 χ^2/NDF: 3233339.2/95



Right In: -178.632+/-140.439 χ^2/NDF: 13.3/20

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: -40.199+/-134.448 χ^2/NDF: 25.8/26

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

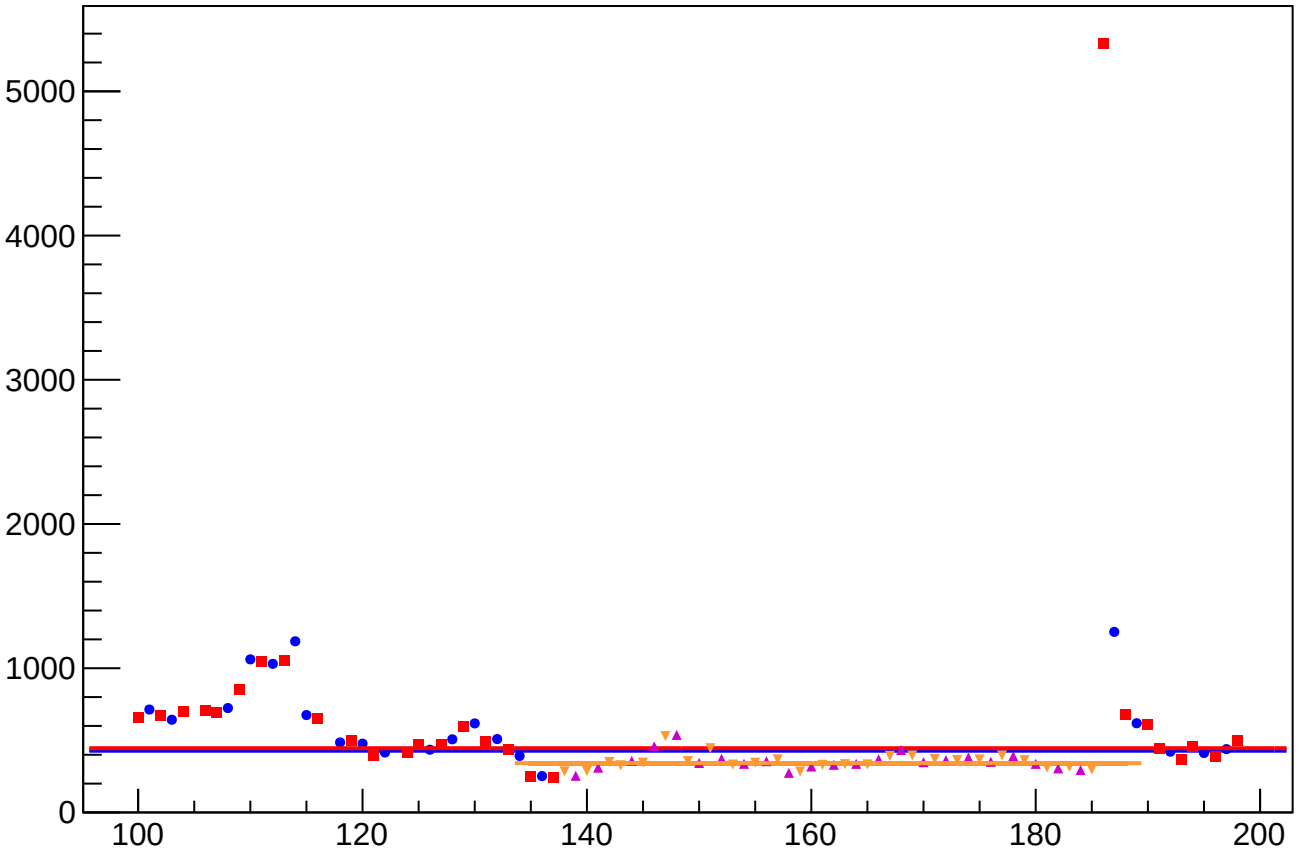
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -106.400+/-97.118 χ^2/NDF: 39.6/47

In: -56.542+/-69.781 χ^2/NDF:49.2/43

Out: -12.542+/-67.843 χ^2/NDF:49.4/51

All: -33.923+/-48.643 χ^2/NDF: 98.8/95



Right In: 428.168+/-0.099 χ^2/NDF: 2514324.3/20

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 445.430+/-0.095 χ^2/NDF: 3372928.4/26

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

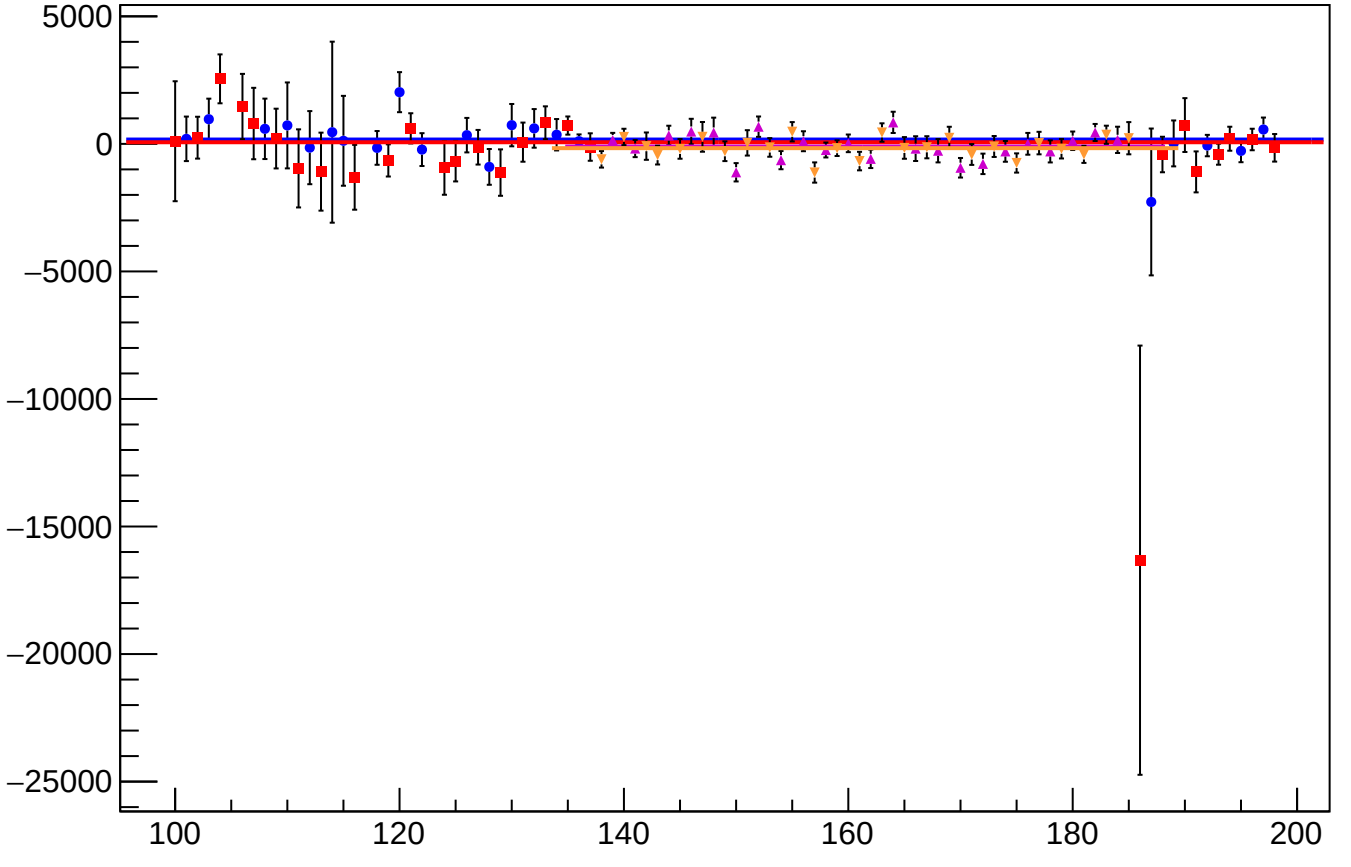
Right: 437.175+/-0.069 χ^2/NDF: 5903020.2/47

In: 361.338+/-0.049 χ^2/NDF:3962390.9/43

Out: 368.275+/-0.048 χ^2/NDF:4910516.9/51

All: 364.904+/-0.034 χ^2/NDF: 8883068.9/95

asym_sam1_mean vs Slug, Sign Corrected



Right In: 170.318+/-138.656 χ^2/NDF: 13.6/20

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: 64.408+/-132.745 χ^2/NDF: 29.4/26

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

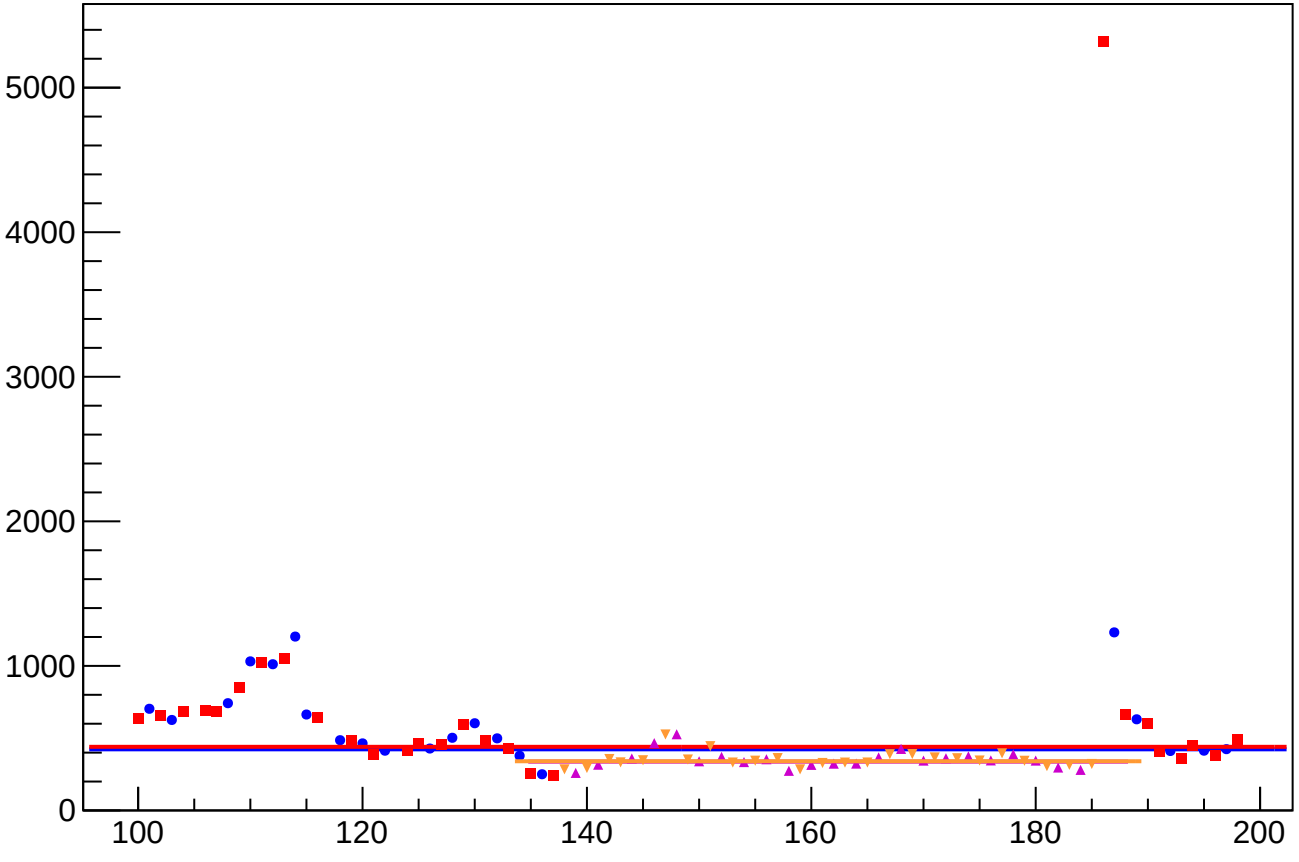
Right: 115.057+/-95.887 χ^2/NDF: 43.4/47

In: -35.506+/-69.291 χ^2/NDF:54.0/43

Out: -107.688+/-67.364 χ^2/NDF:57.3/51

All: -72.614+/-48.300 χ^2/NDF: 111.9/95

asym_sam1_rms vs Slug, Sign Corrected



Right In: 422.835+/-0.098 χ^2/NDF: 2494449.6/20

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 440.202+/-0.094 χ^2/NDF: 3308691.6/26

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

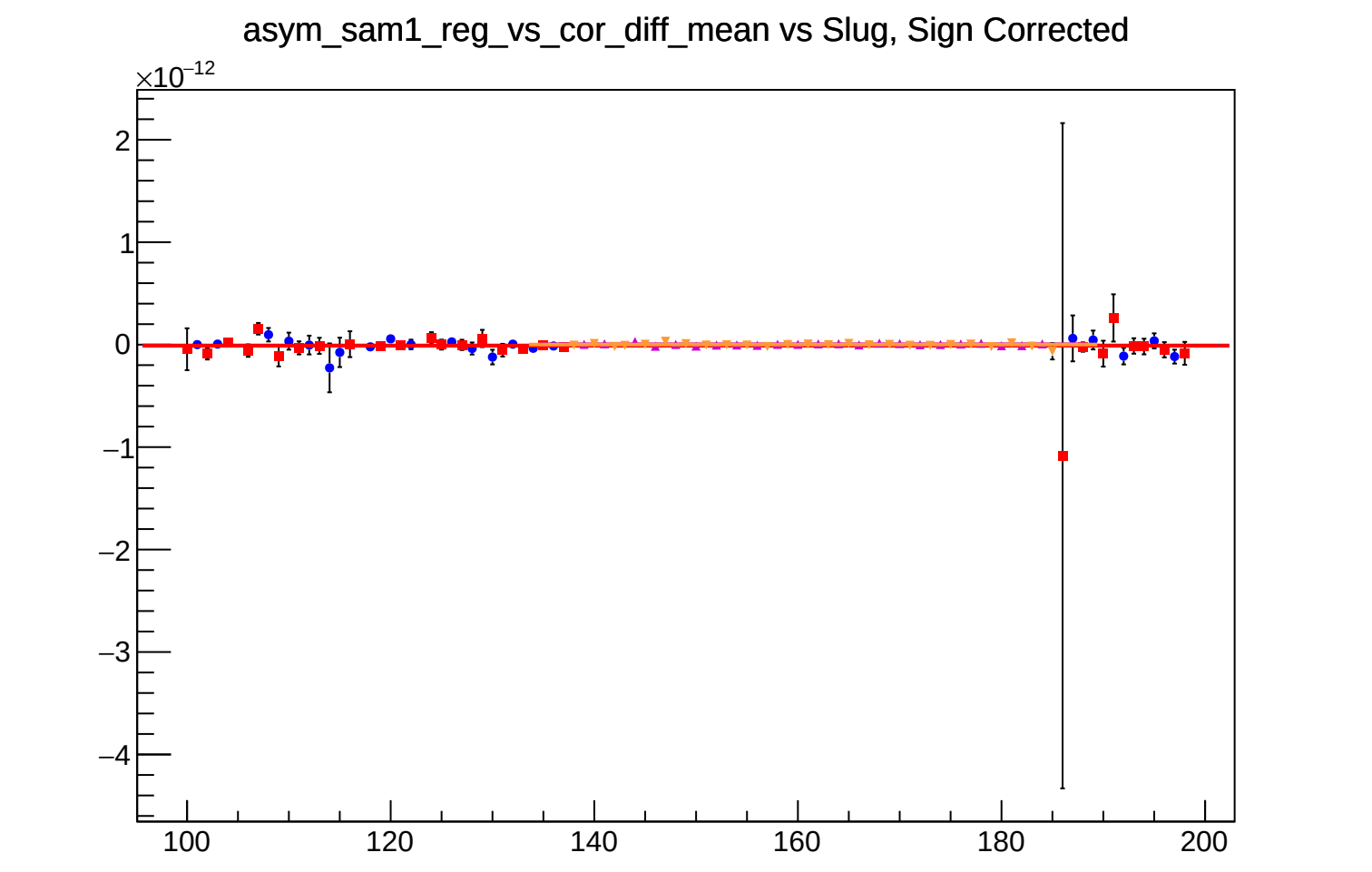
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

Right: 431.896+/-0.068 χ^2/NDF: 5819513.1/47

In: 359.005+/-0.049 χ^2/NDF:3880038.5/43

Out: 366.095+/-0.048 χ^2/NDF:4752362.6/51

All: 362.650+/-0.034 χ^2/NDF: 8643167.7/95



Right In: -0.000+/-0.000 χ^2/NDF: 19.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.0/26

Left In: 0.000+/-0.000 χ^2/NDF:11.9/22

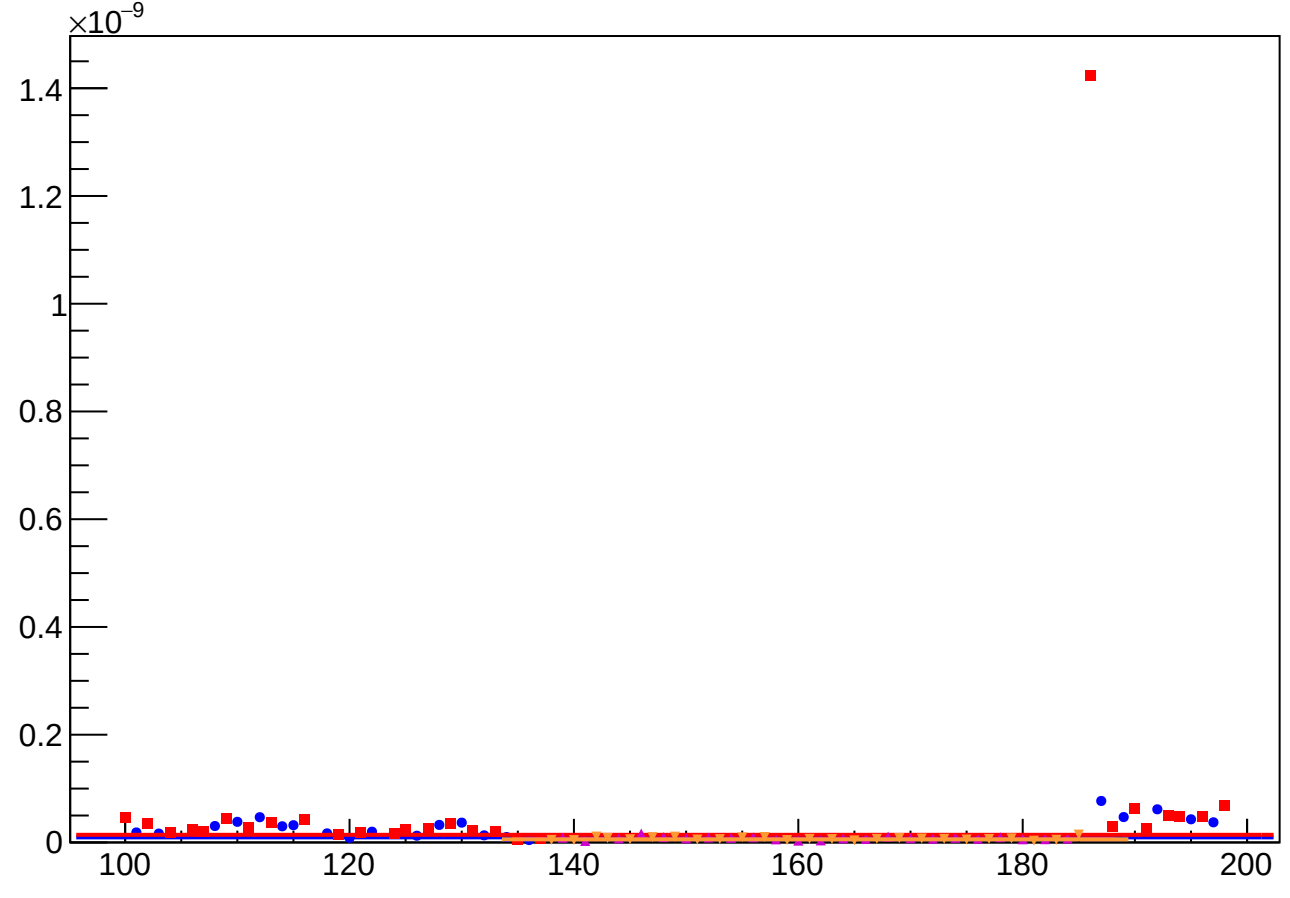
Left: 0.000+/-0.000 χ^2/NDF: 28.7/47

Right: -0.000+/-0.000 χ^2/NDF: 38.8/47

In: 0.000+/-0.000 χ^2/NDF:35.1/43

Out: 0.000+/-0.000 χ^2/NDF:37.4/51

All: 0.000+/-0.000 χ^2/NDF: 72.8/95



Right In: 0.000+/-0.000 χ^2/NDF: 4907431.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5557394.5/26

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

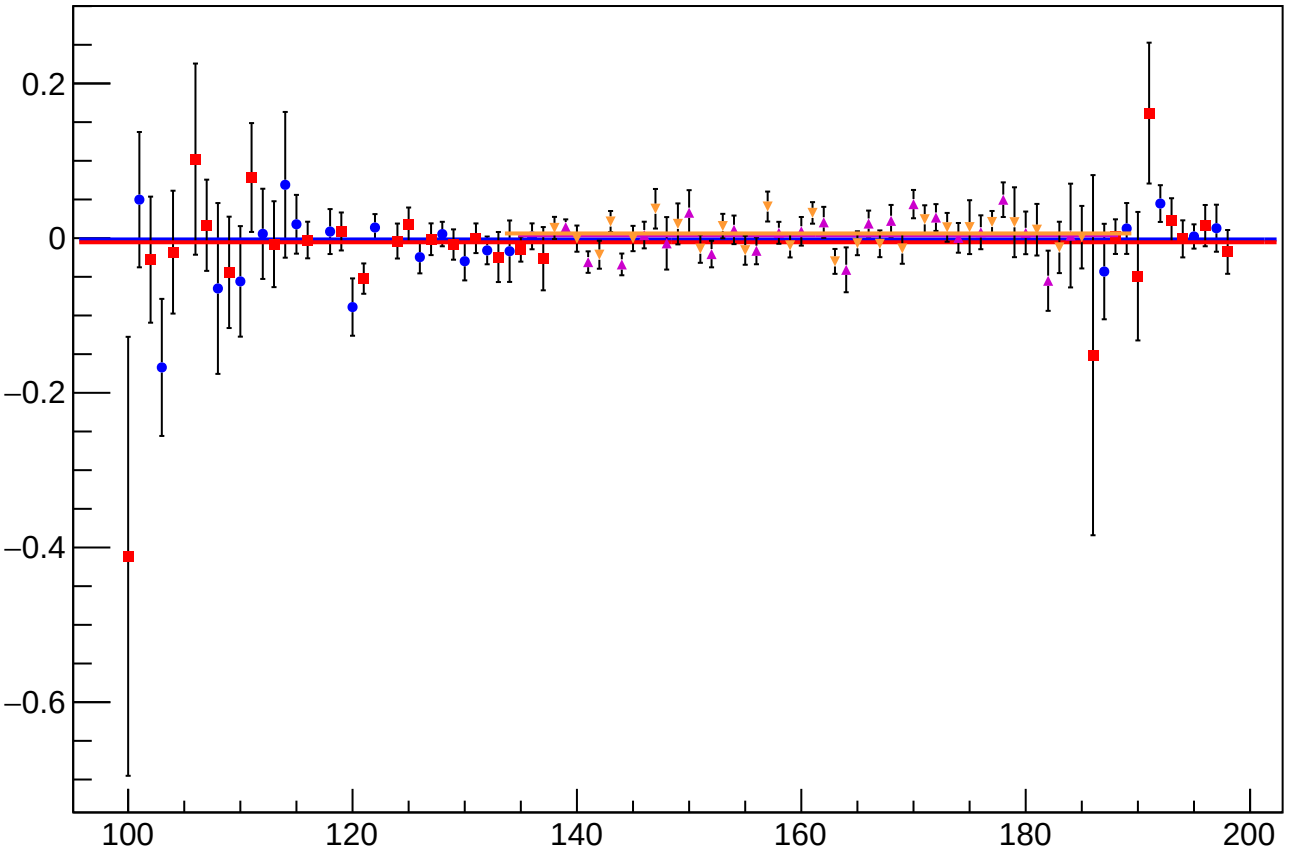
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 10923011.8/47

In: 0.000+/-0.000 χ^2/NDF:7344379.1/43

Out: 0.000+/-0.000 χ^2/NDF:8805153.3/51

All: 0.000+/-0.000 χ^2/NDF: 16160289.5/95



Right In: -0.002+/-0.006 χ^2/NDF: 20.3/20

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.005+/-0.006 χ^2/NDF: 19.0/26

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

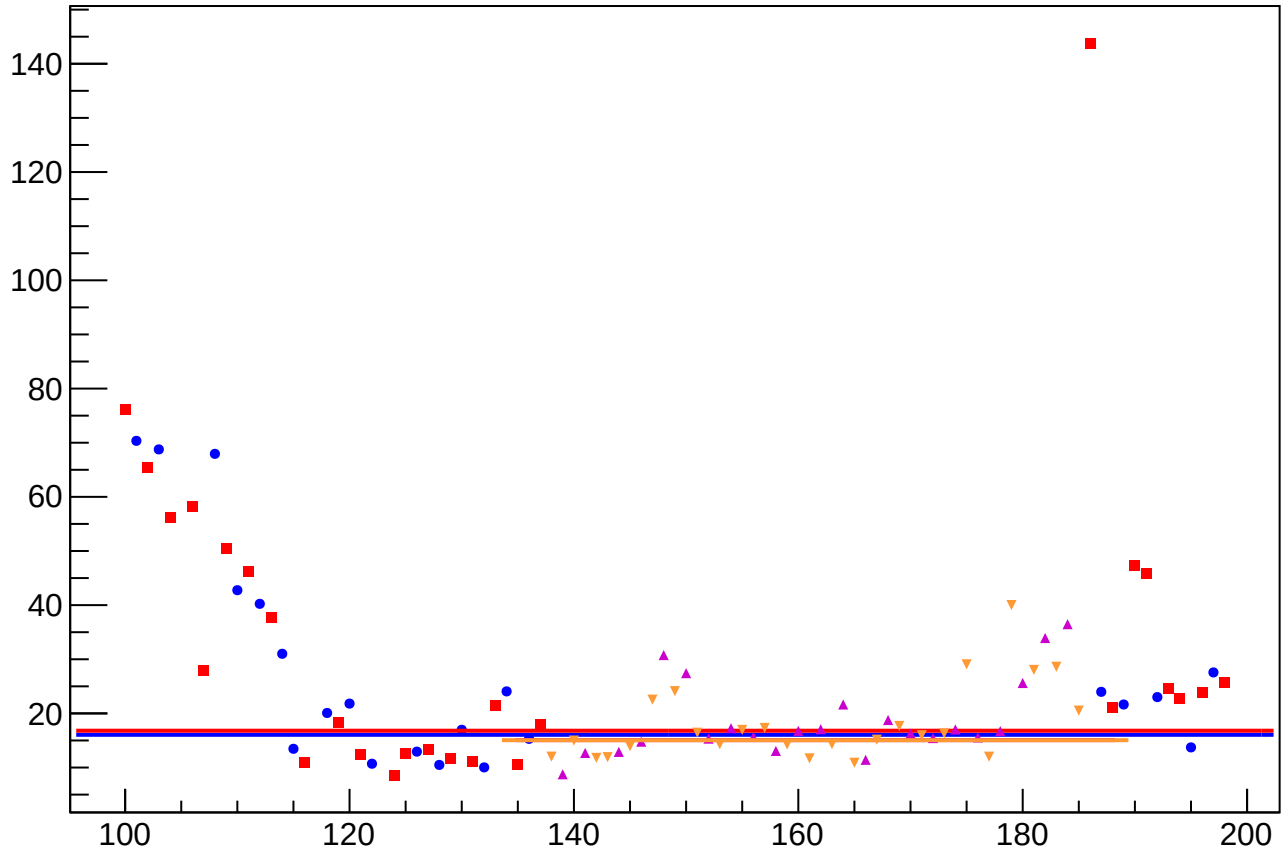
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.004 χ^2/NDF: 39.5/47

In: 0.002+/-0.003 χ^2/NDF:58.0/43

Out: 0.003+/-0.003 χ^2/NDF:48.6/51

All: 0.002+/-0.002 χ^2/NDF: 106.6/95



Right In: 16.049+/-0.004 χ^2/NDF: 4077932.3/20

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.804+/-0.004 χ^2/NDF: 5686752.8/26

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

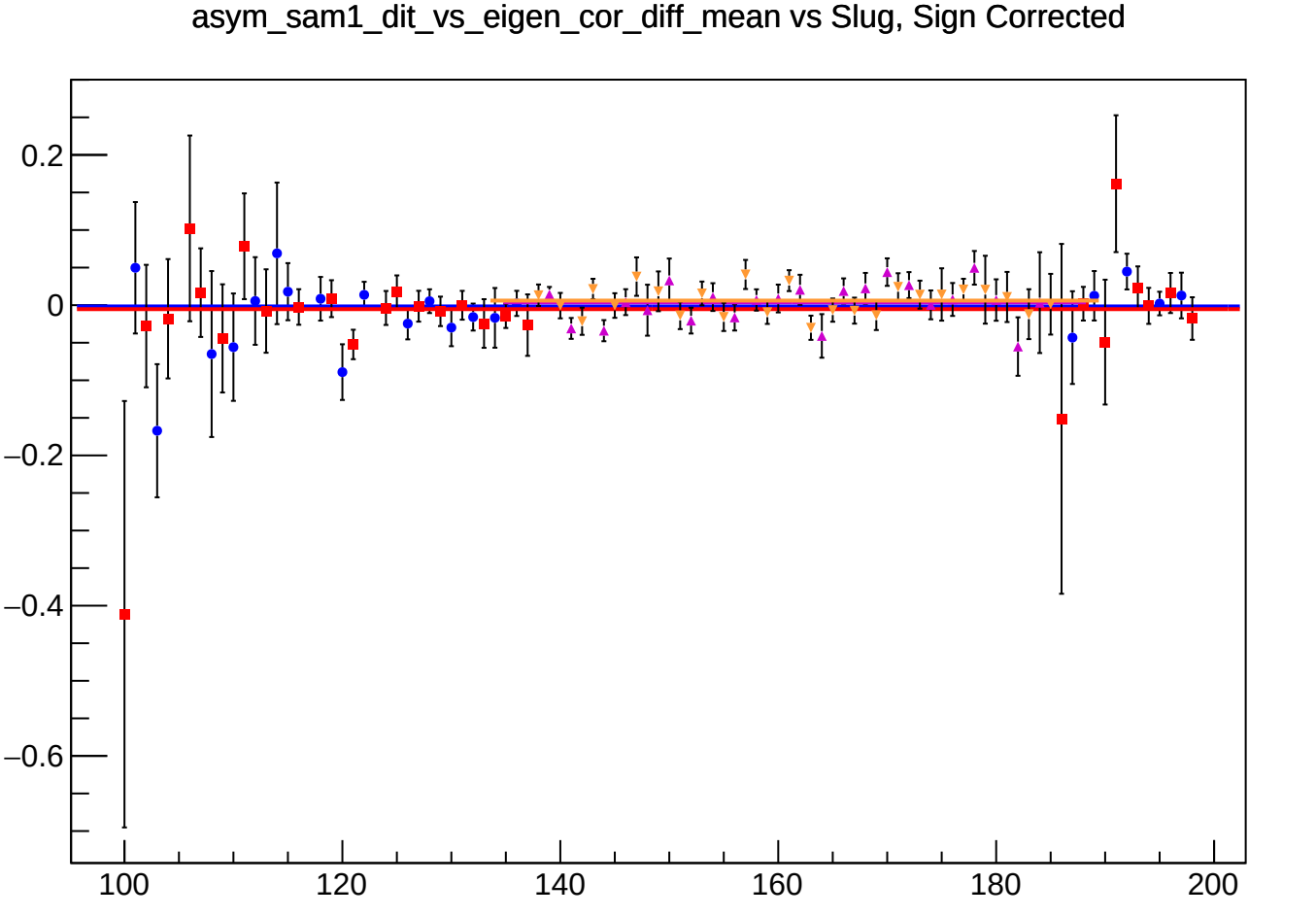
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 16.440+/-0.003 χ^2/NDF: 9782523.5/47

In: 15.369+/-0.002 χ^2/NDF:7184774.7/43

Out: 15.583+/-0.002 χ^2/NDF:8584139.6/51

All: 15.480+/-0.002 χ^2/NDF: 15773586.5/95



Right In: -0.002+/-0.006 χ^2/NDF: 20.3/20

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.005+/-0.006 χ^2/NDF: 19.0/26

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

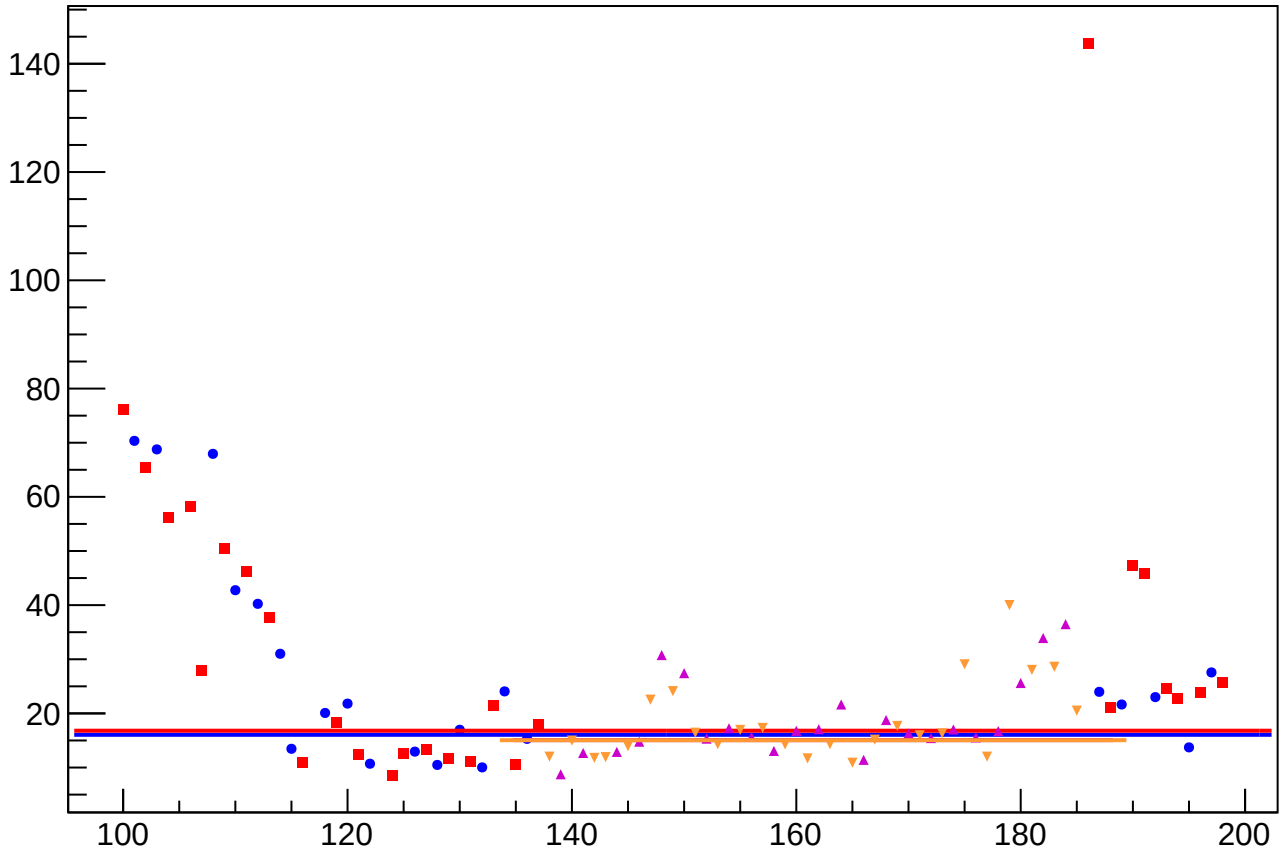
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.004 χ^2/NDF: 39.5/47

In: 0.002+/-0.003 χ^2/NDF:58.0/43

Out: 0.003+/-0.003 χ^2/NDF:48.6/51

All: 0.002+/-0.002 χ^2/NDF: 106.6/95



Right In: 16.049+/-0.004 χ^2/NDF: 4077932.3/20

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.804+/-0.004 χ^2/NDF: 5686752.8/26

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

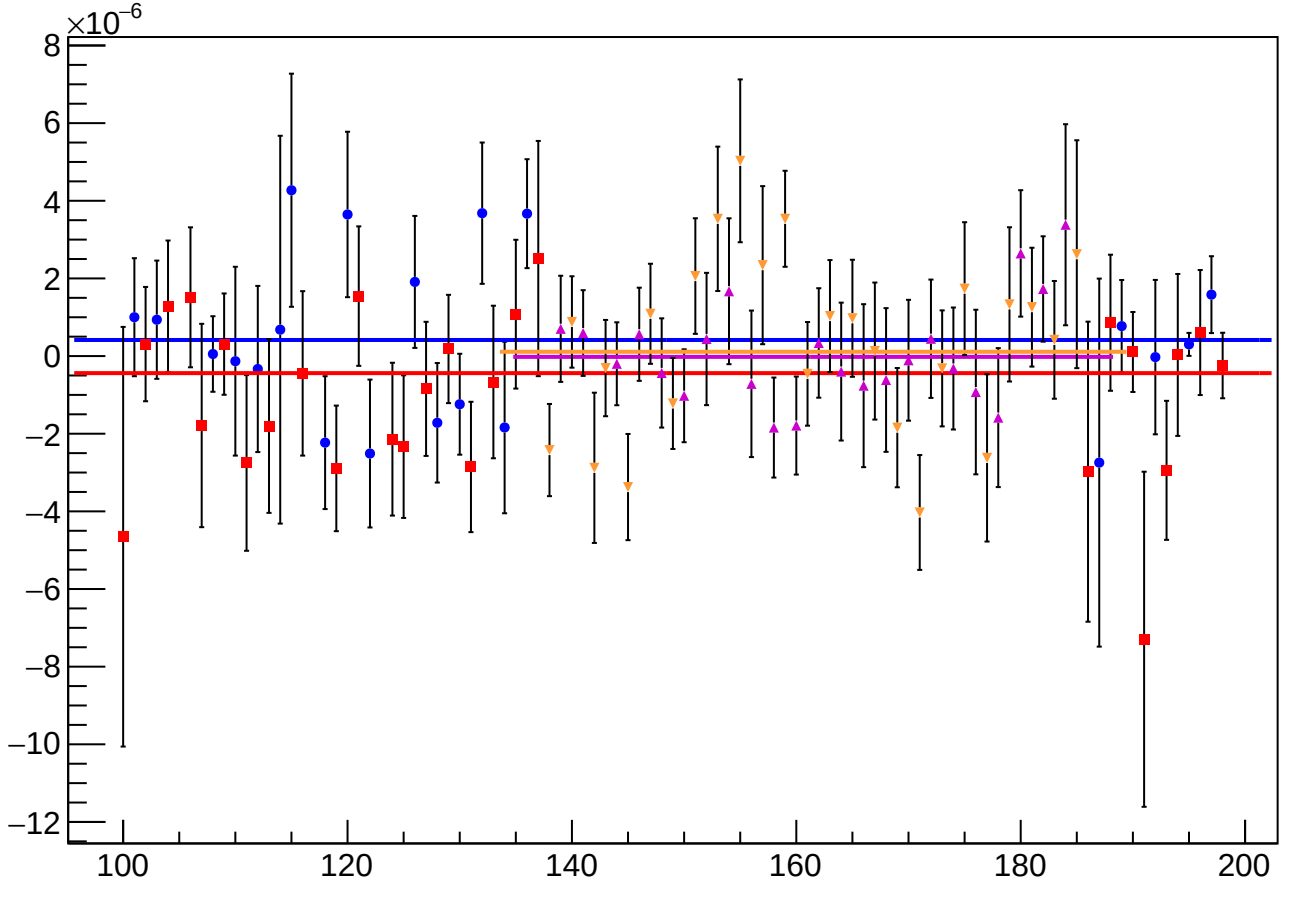
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 16.440+/-0.003 χ^2/NDF: 9782523.5/47

In: 15.369+/-0.002 χ^2/NDF:7184774.7/43

Out: 15.583+/-0.002 χ^2/NDF:8584139.6/51

All: 15.480+/-0.002 χ^2/NDF: 15773586.5/95



Right In: 0.000+/-0.000 χ^2/NDF: 25.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.6/26

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

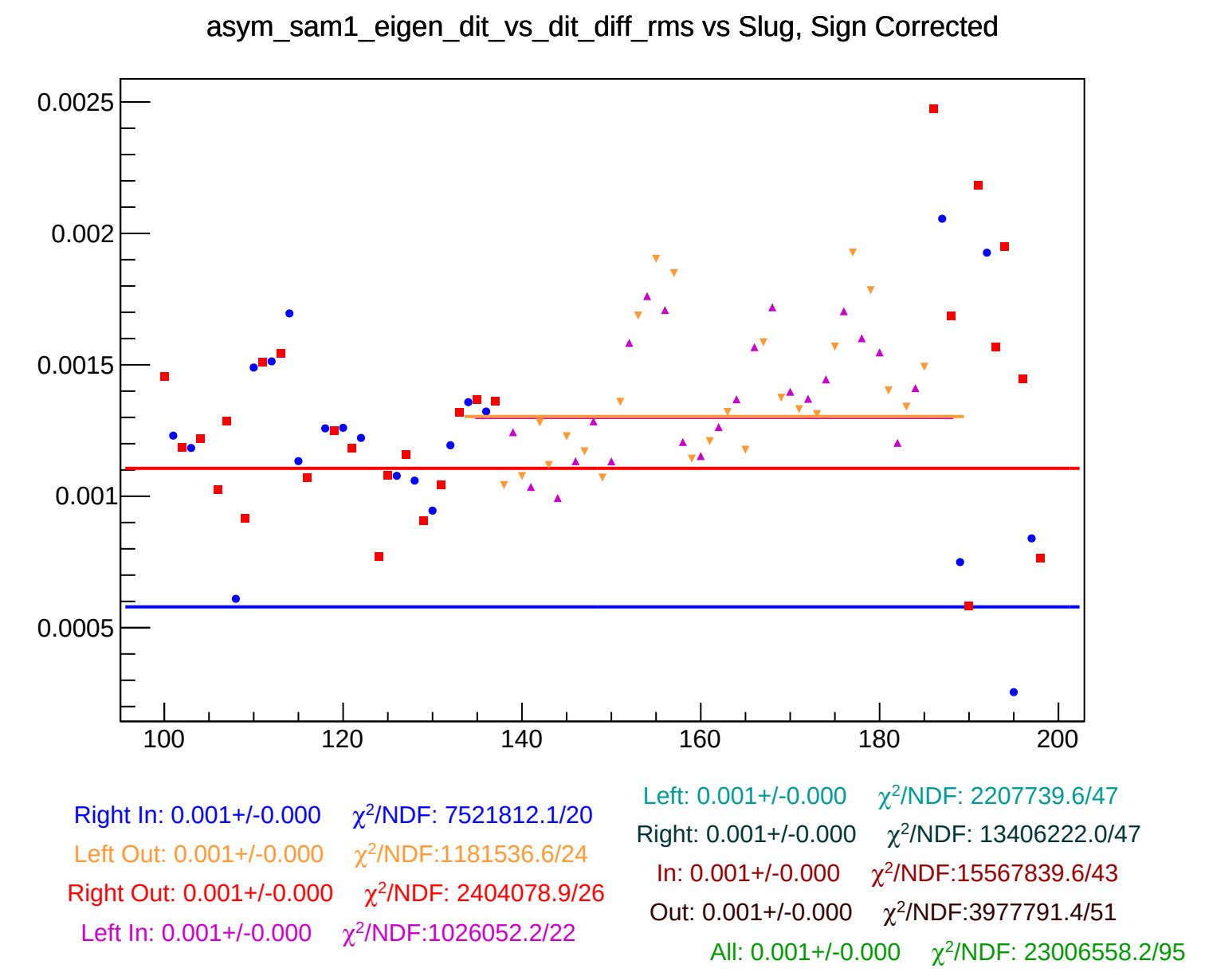
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

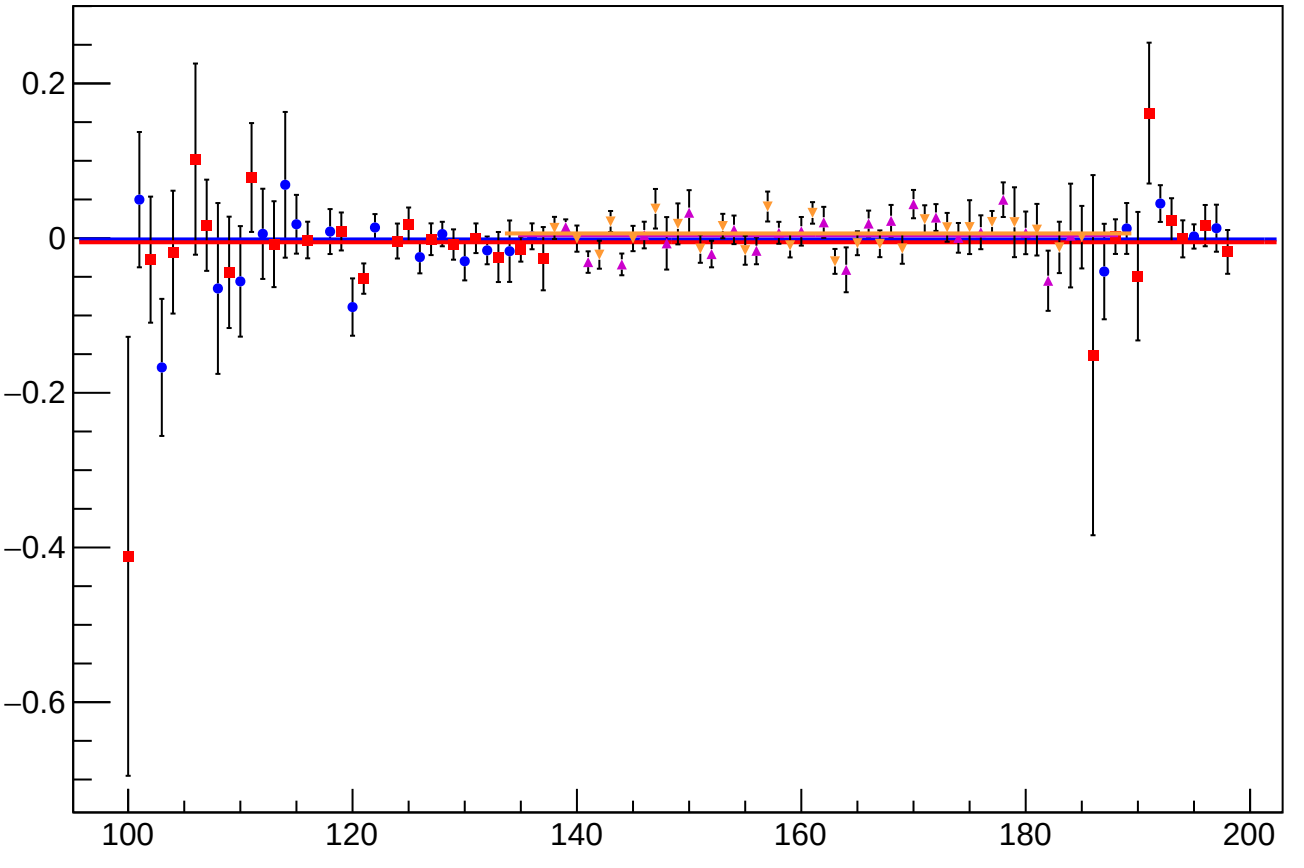
Right: 0.000+/-0.000 χ^2/NDF: 50.5/47

In: 0.000+/-0.000 χ^2/NDF:40.7/43

Out: -0.000+/-0.000 χ^2/NDF:72.1/51

All: 0.000+/-0.000 χ^2/NDF: 114.8/95


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: 7521812.1/20
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 2404078.9/26
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: 13406222.0/47
In: 0.001+/-0.000 χ²/NDF:15567839.6/43
Out: 0.001+/-0.000 χ²/NDF:3977791.4/51
All: 0.001+/-0.000 χ²/NDF: 23006558.2/95



Right In: -0.002+/-0.006 χ^2/NDF: 20.3/20

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.005+/-0.006 χ^2/NDF: 19.0/26

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

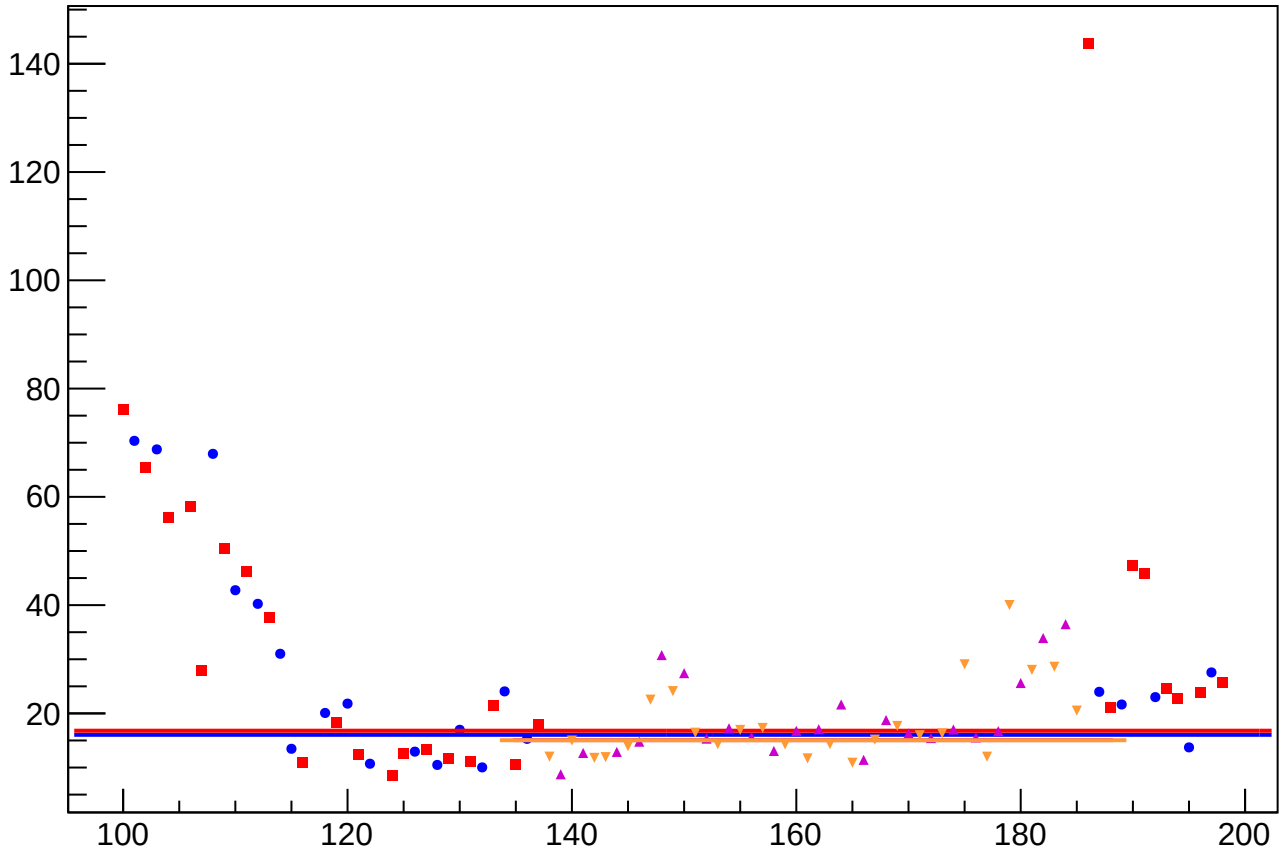
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.004 χ^2/NDF: 39.5/47

In: 0.002+/-0.003 χ^2/NDF:58.0/43

Out: 0.003+/-0.003 χ^2/NDF:48.6/51

All: 0.002+/-0.002 χ^2/NDF: 106.6/95



Right In: 16.049+/-0.004 χ^2/NDF: 4077930.6/20

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.804+/-0.004 χ^2/NDF: 5686710.6/26

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

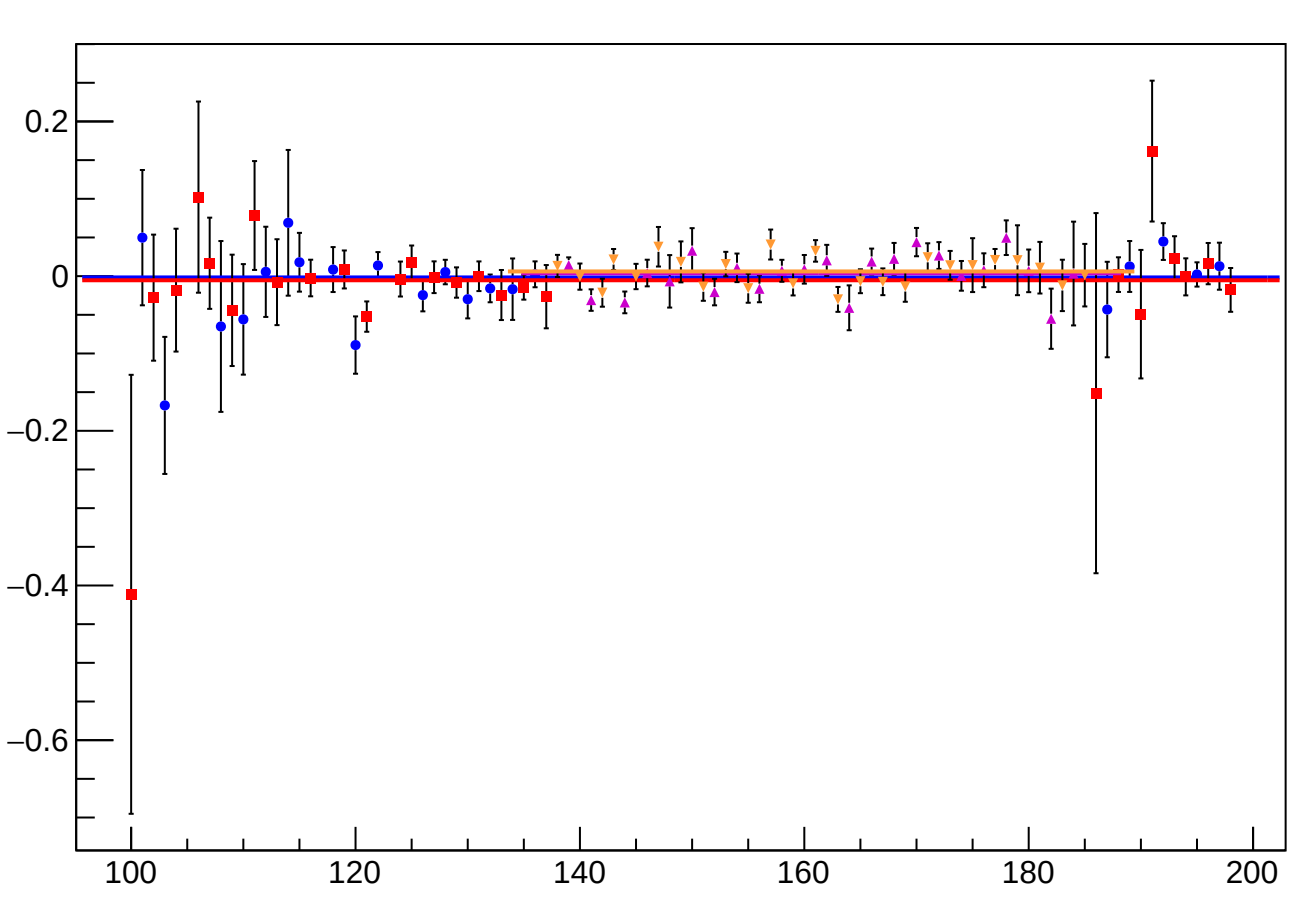
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 16.440+/-0.003 χ^2/NDF: 9782481.1/47

In: 15.369+/-0.002 χ^2/NDF:7184818.7/43

Out: 15.583+/-0.002 χ^2/NDF:8584326.1/51

All: 15.480+/-0.002 χ^2/NDF: 15773815.2/95



Right In: -0.002+/-0.006 χ^2/NDF: 20.3/20

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.005+/-0.006 χ^2/NDF: 19.0/26

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

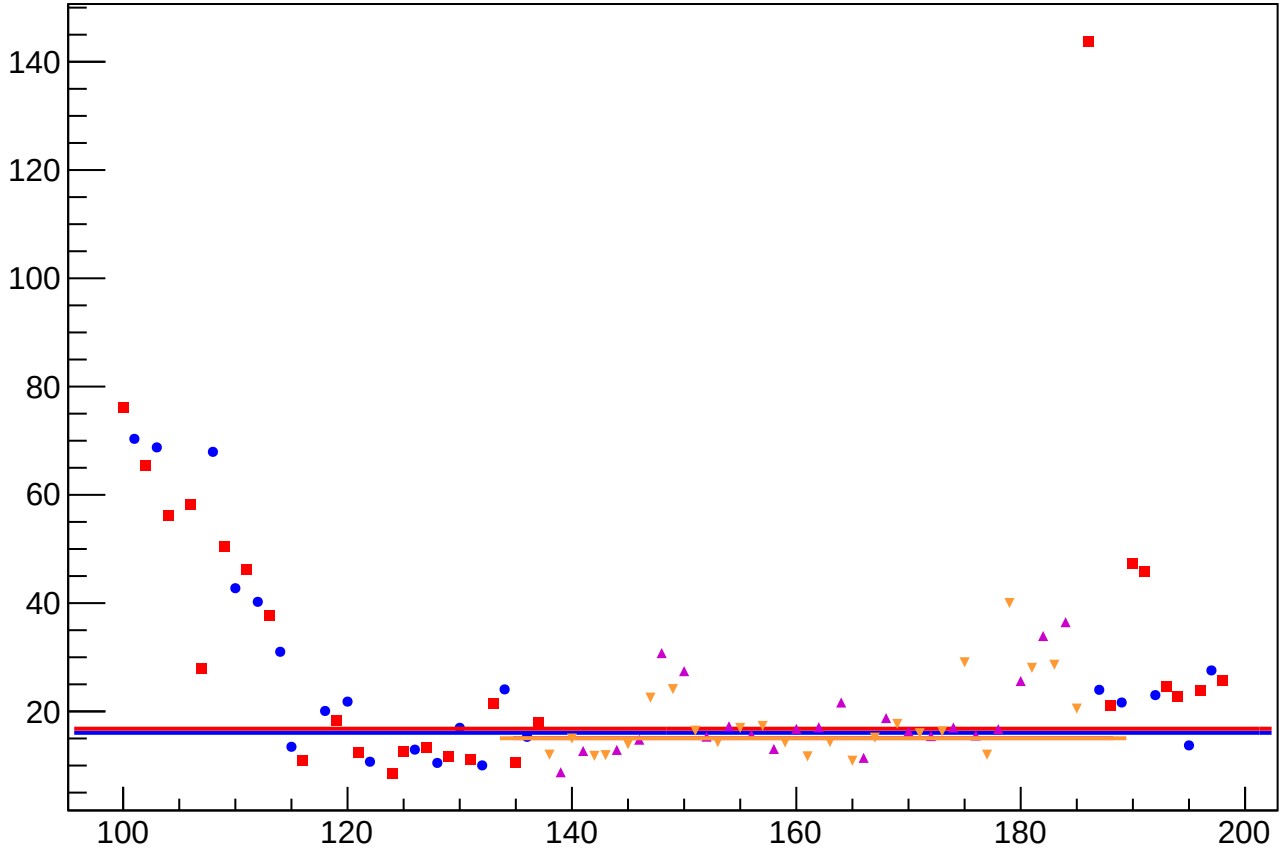
Right: -0.004+/-0.004 χ^2/NDF: 39.5/47

In: 0.002+/-0.003 χ^2/NDF:58.0/43

Out: 0.003+/-0.003 χ^2/NDF:48.6/51

All: 0.002+/-0.002 χ^2/NDF: 106.6/95

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.049+/-0.004 χ^2/NDF: 4077930.6/20

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.804+/-0.004 χ^2/NDF: 5686710.6/26

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

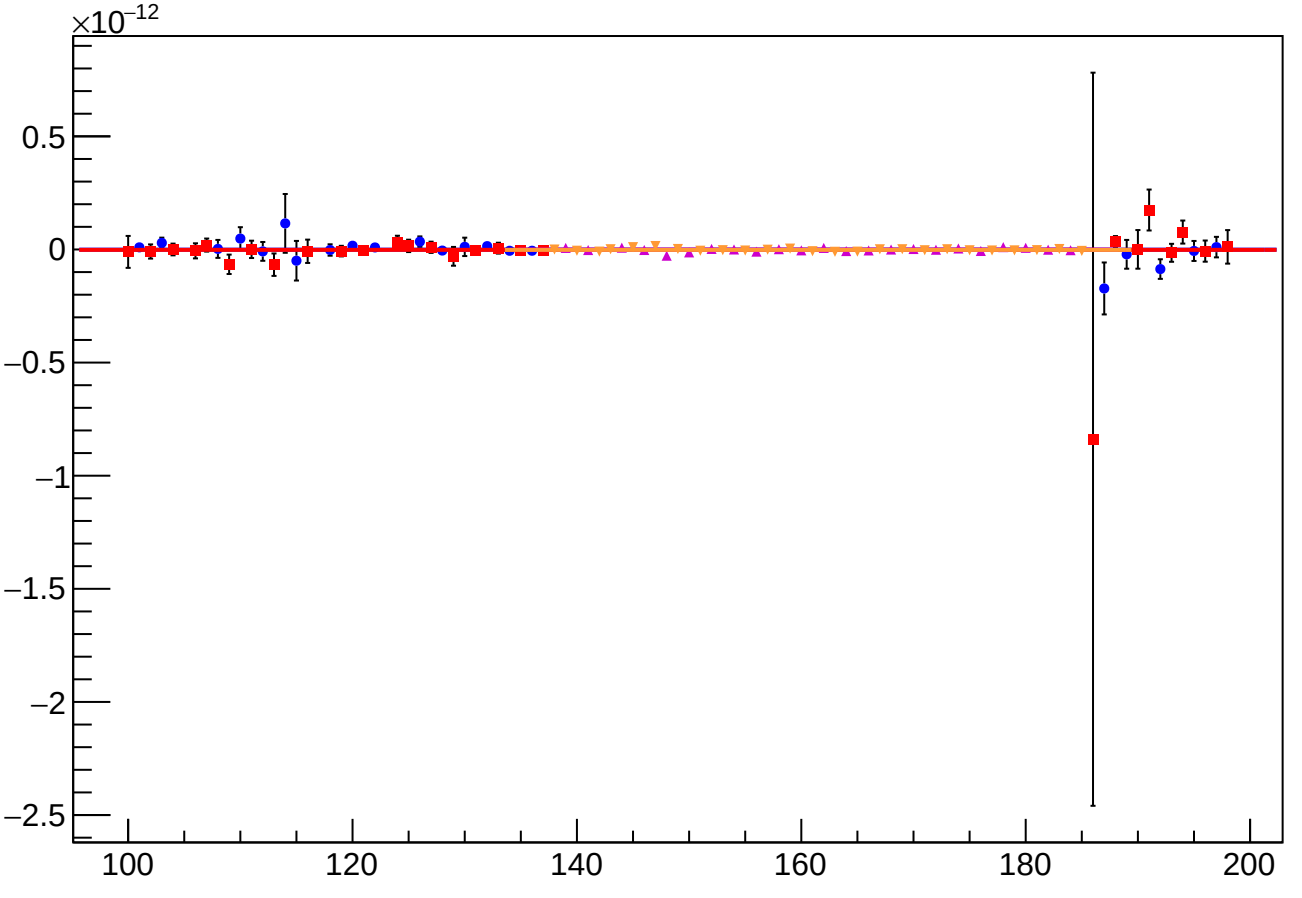
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 16.440+/-0.003 χ^2/NDF: 9782481.1/47

In: 15.369+/-0.002 χ^2/NDF:7184818.7/43

Out: 15.583+/-0.002 χ^2/NDF:8584326.1/51

All: 15.480+/-0.002 χ^2/NDF: 15773815.2/95



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/26

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

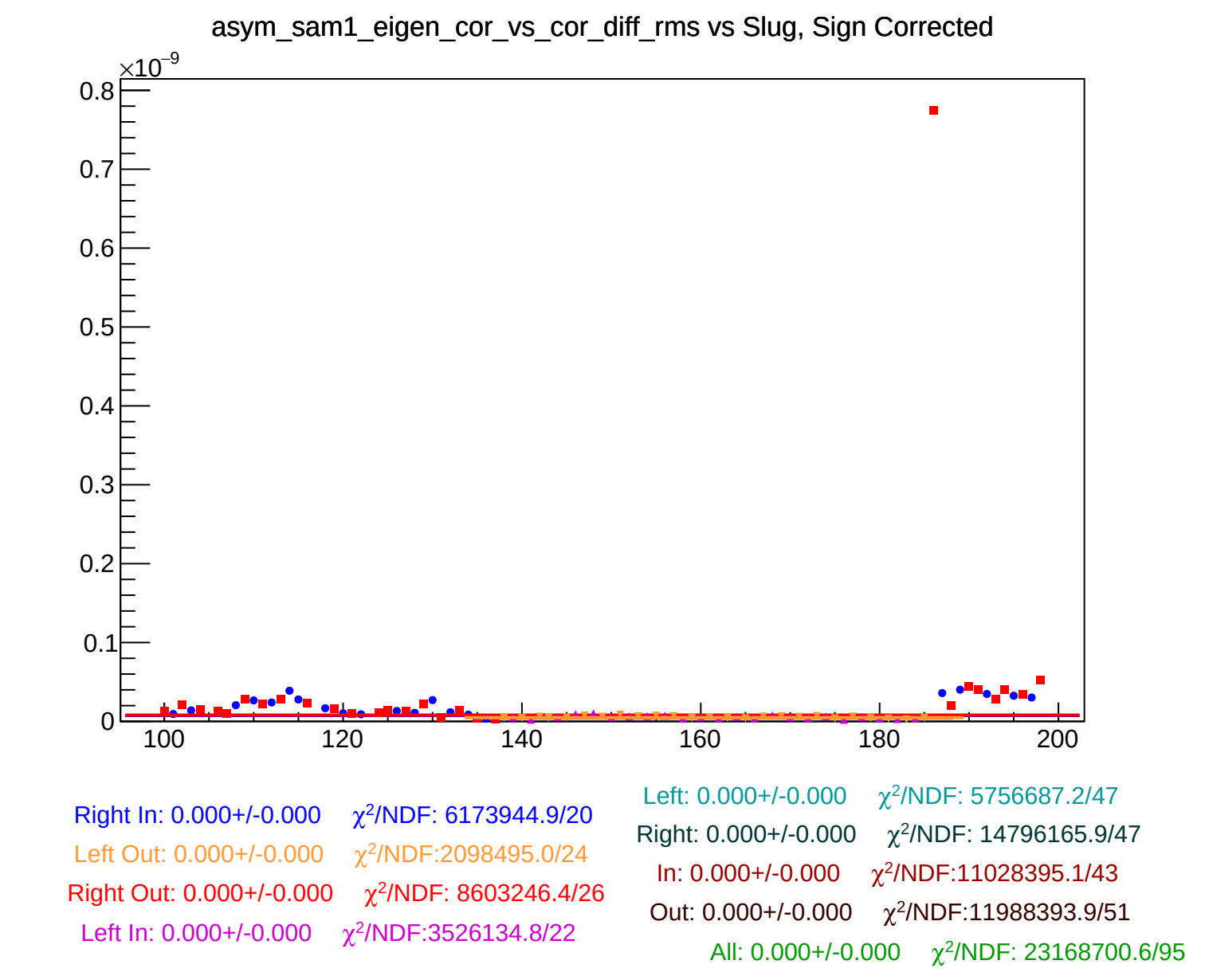
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 31.3/47

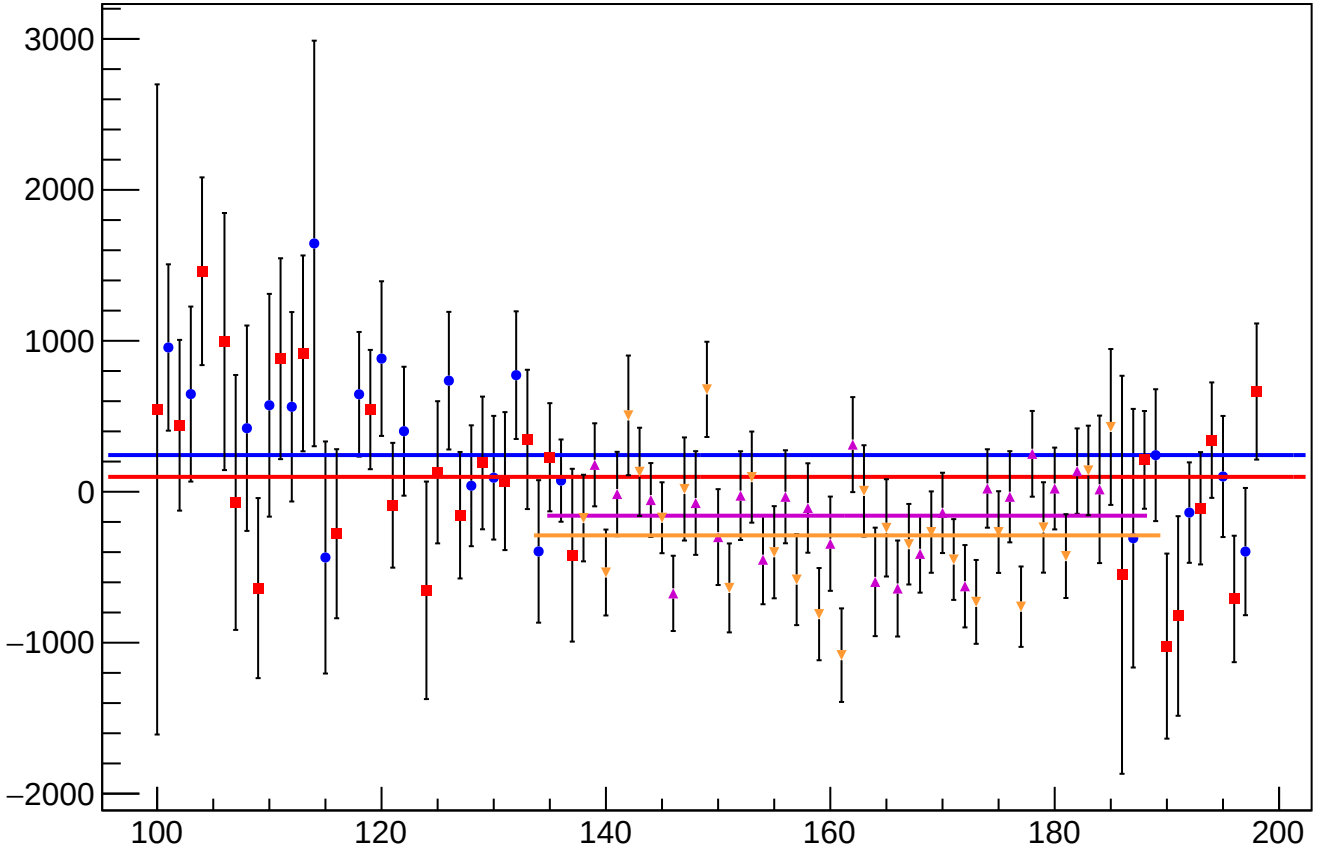
In: -0.000+/-0.000 χ^2/NDF:37.0/43

Out: -0.000+/-0.000 χ^2/NDF:30.8/51

All: -0.000+/-0.000 χ^2/NDF: 68.3/95


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6173944.9/20
Left Out: 0.000+/-0.000 χ²/NDF:2098495.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 8603246.4/26
Left In: 0.000+/-0.000 χ²/NDF:3526134.8/22
Left: 0.000+/-0.000 χ²/NDF: 5756687.2/47
Right: 0.000+/-0.000 χ²/NDF: 14796165.9/47
In: 0.000+/-0.000 χ²/NDF:11028395.1/43
Out: 0.000+/-0.000 χ²/NDF:11988393.9/51
All: 0.000+/-0.000 χ²/NDF: 23168700.6/95

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 242.971+/-100.891 χ^2/NDF: 16.7/20

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: 98.599+/-95.797 χ^2/NDF: 27.2/26

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

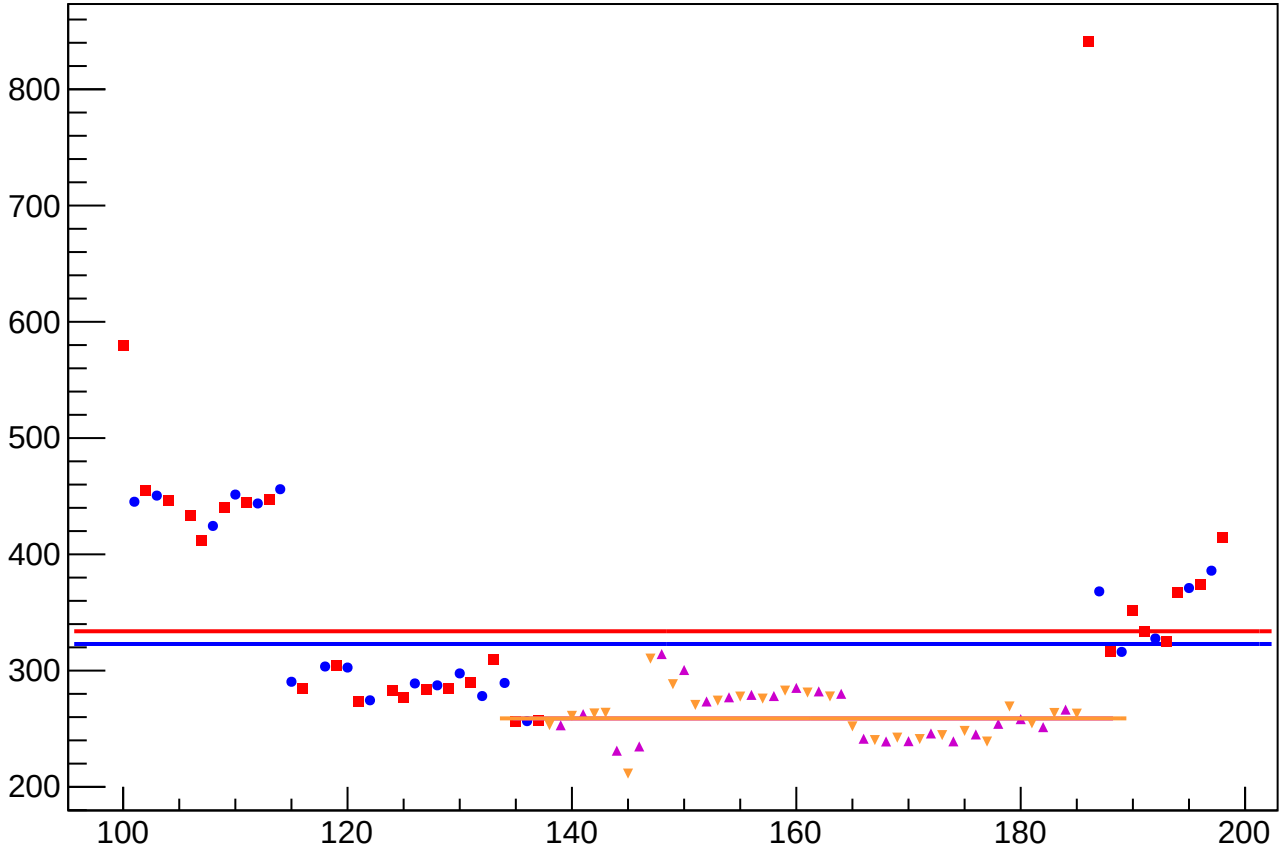
Right: 167.049+/-69.470 χ^2/NDF: 45.0/47

In: -51.855+/-52.017 χ^2/NDF:50.9/43

Out: -182.263+/-50.258 χ^2/NDF:81.5/51

All: -119.301+/-36.144 χ^2/NDF: 135.6/95

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 322.896+/-0.071 χ^2/NDF: 696965.1/20

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 333.840+/-0.068 χ^2/NDF: 1127349.2/26

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

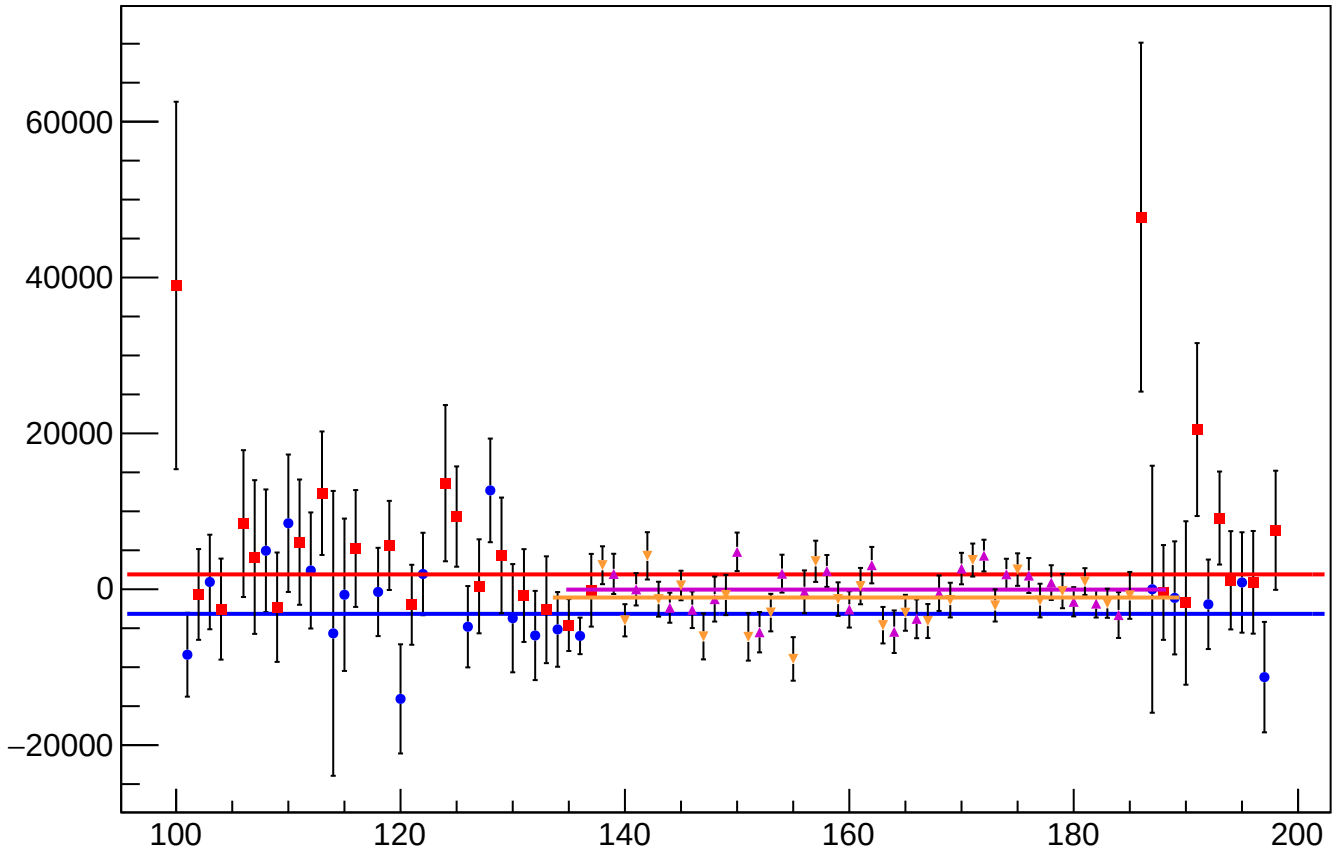
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 328.651+/-0.049 χ^2/NDF: 1836691.0/47

In: 275.870+/-0.037 χ^2/NDF:1533766.9/43

Out: 279.535+/-0.036 χ^2/NDF:2262867.9/51

All: 277.765+/-0.026 χ^2/NDF: 3801771.6/95



Right In: -3154.891+/-1247.153 χ^2/NDF: 18.0/20

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: 1907.312+/-1270.343 χ^2/NDF: 24.0/26

Left In: -44.352+/-470.700 χ^2/NDF:34.2/22

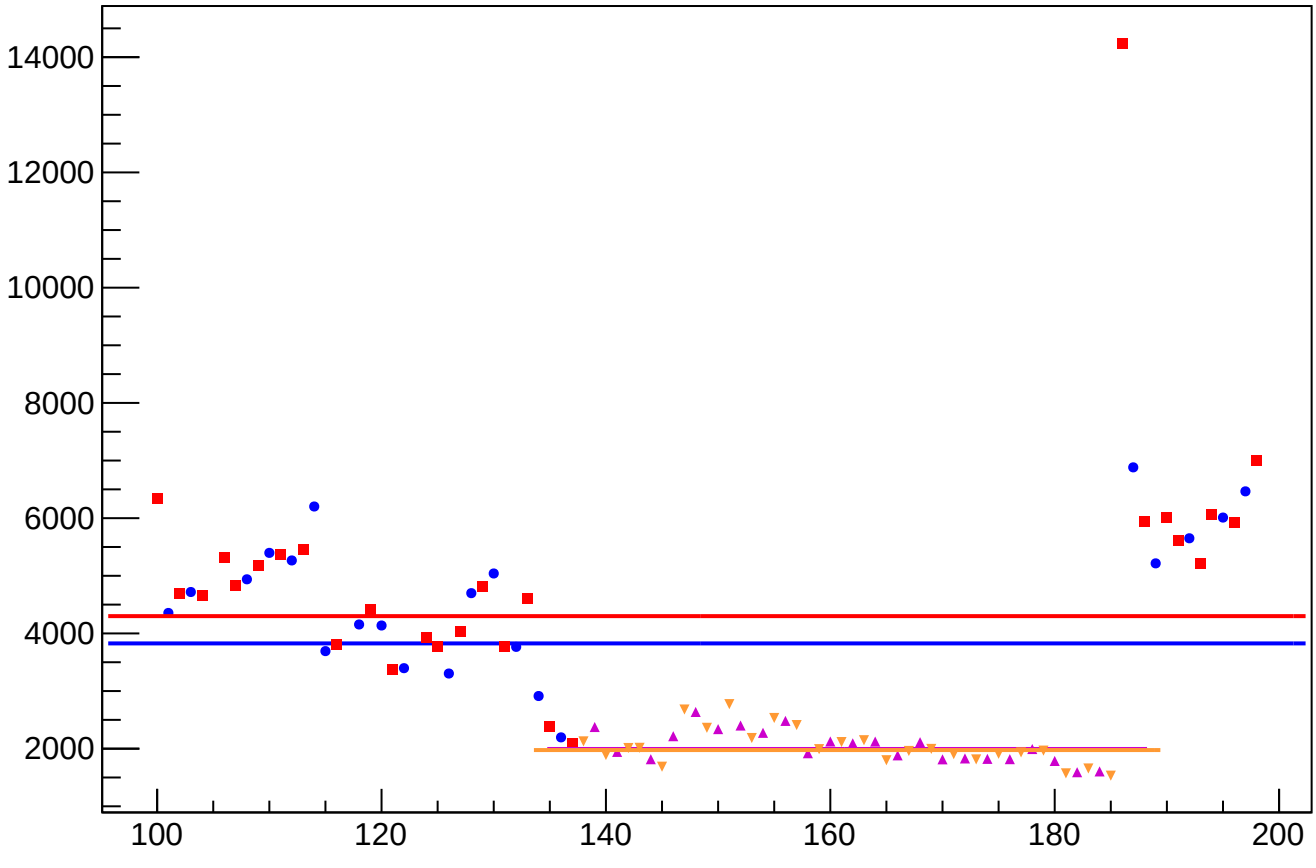
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -670.417+/-889.956 χ^2/NDF: 50.1/47

In: -432.189+/-440.379 χ^2/NDF:57.6/43

Out: -722.389+/-428.063 χ^2/NDF:70.4/51

All: -581.404+/-306.948 χ^2/NDF: 128.2/95



Right In: 3826.752+/-0.882 χ^2/NDF: 2311497.1/20

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4300.130+/-0.898 χ^2/NDF: 2600648.2/26

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

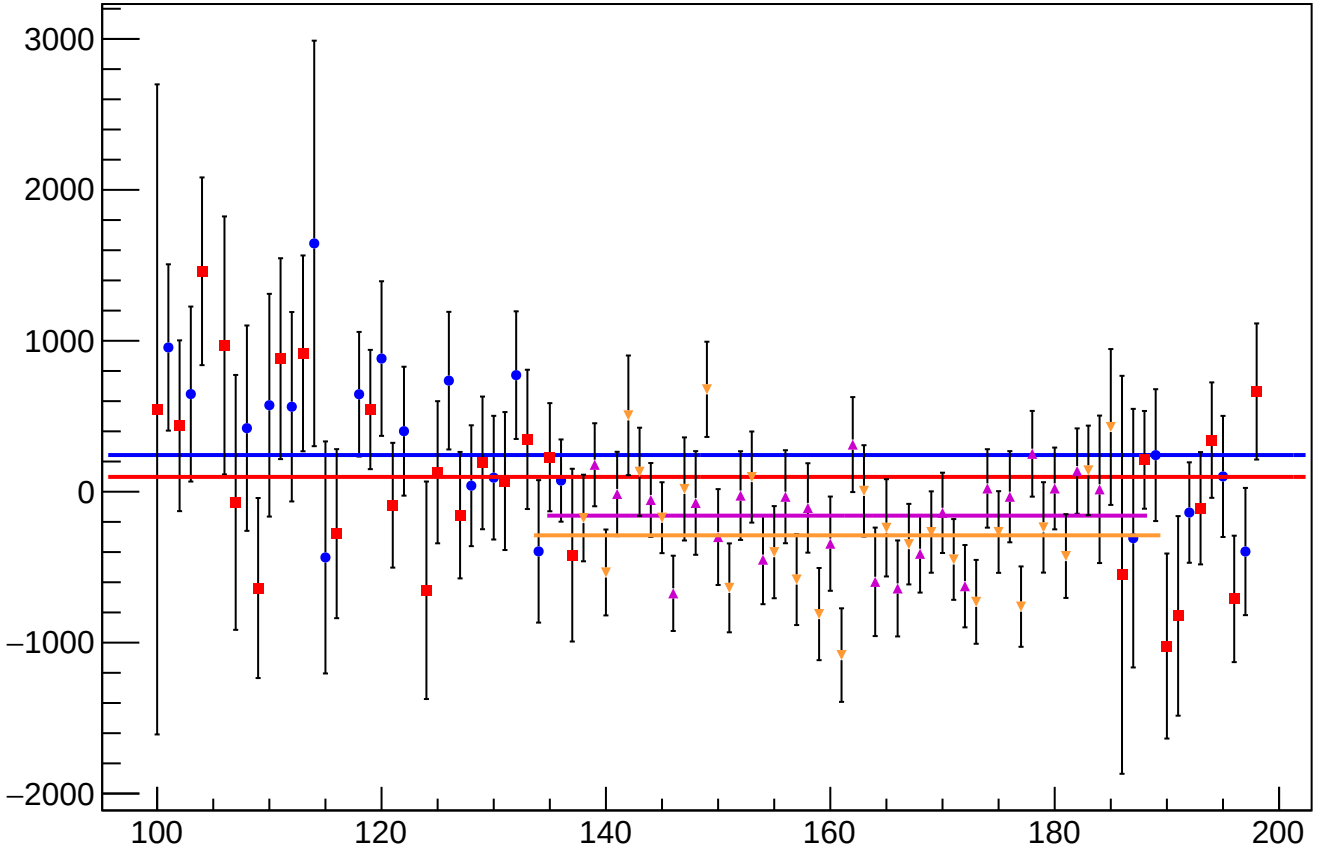
Right: 4059.081+/-0.629 χ^2/NDF: 5053562.5/47

In: 2223.182+/-0.311 χ^2/NDF:6688972.3/43

Out: 2239.868+/-0.303 χ^2/NDF:9298378.6/51

All: 2231.761+/-0.217 χ^2/NDF: 15988827.2/9

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 242.953+/-100.891 χ^2/NDF: 16.7/20

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 98.065+/-95.803 χ^2/NDF: 27.1/26

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

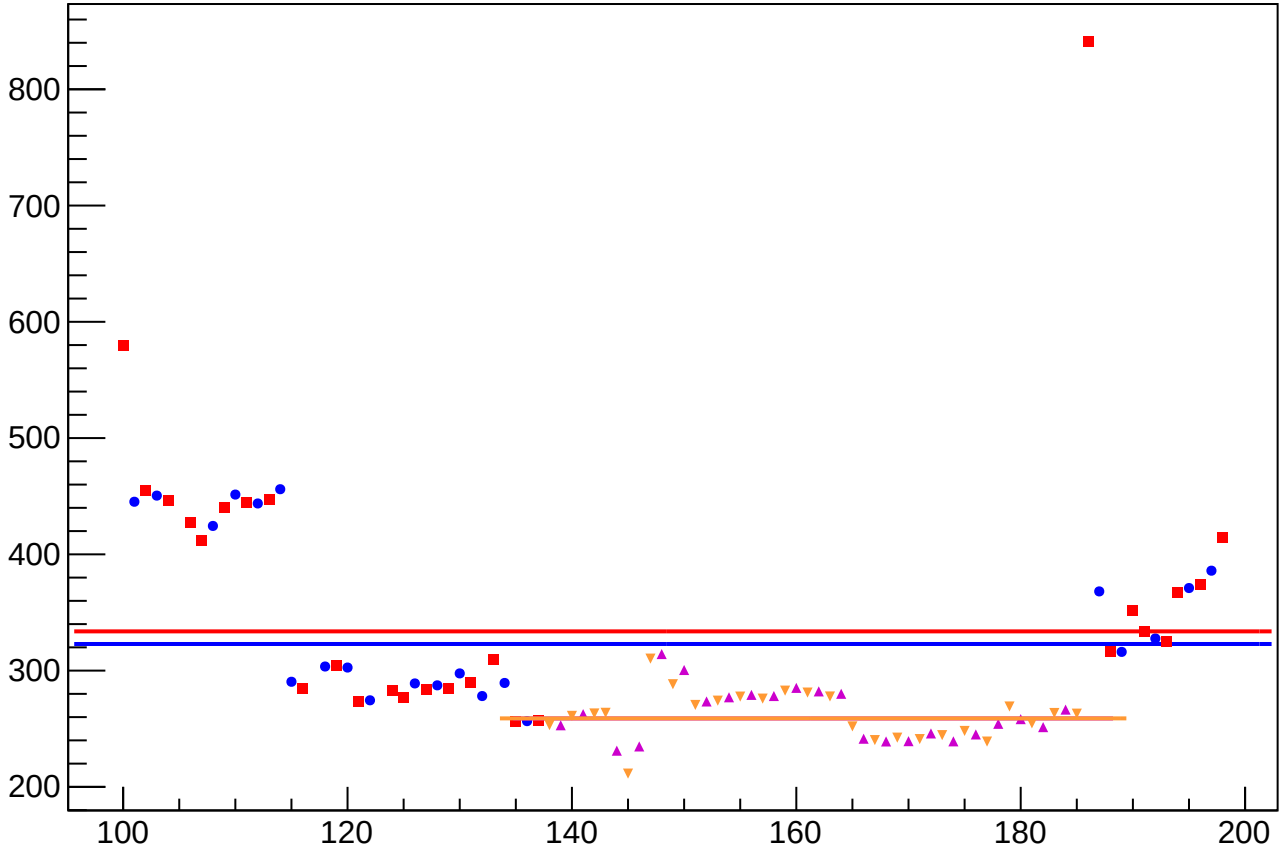
Right: 166.764+/-69.472 χ^2/NDF: 44.9/47

In: -51.868+/-52.017 χ^2/NDF:50.9/43

Out: -182.422+/-50.259 χ^2/NDF:81.4/51

All: -119.388+/-36.144 χ^2/NDF: 135.5/95

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 322.896+/-0.071 χ^2/NDF: 696966.5/20

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 333.748+/-0.068 χ^2/NDF: 1123755.4/26

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

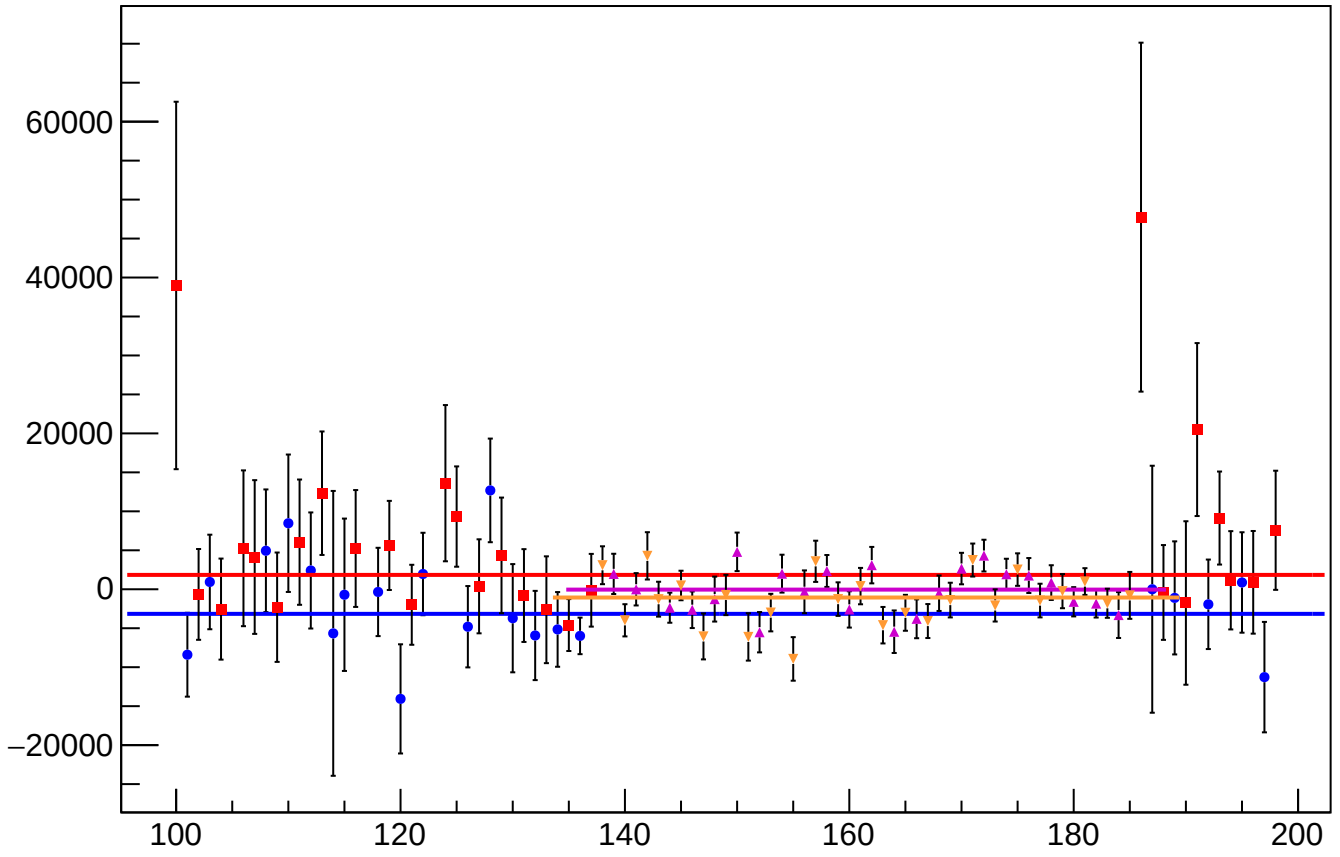
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 328.603+/-0.049 χ^2/NDF: 1832889.7/47

In: 275.870+/-0.037 χ^2/NDF:1533768.5/43

Out: 279.508+/-0.036 χ^2/NDF:2257011.7/51

All: 277.751+/-0.026 χ^2/NDF: 3795840.8/95



Right In: -3154.839+/-1247.155 χ^2/NDF: 18.0/20

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1843.259+/-1271.664 χ^2/NDF: 23.7/26

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

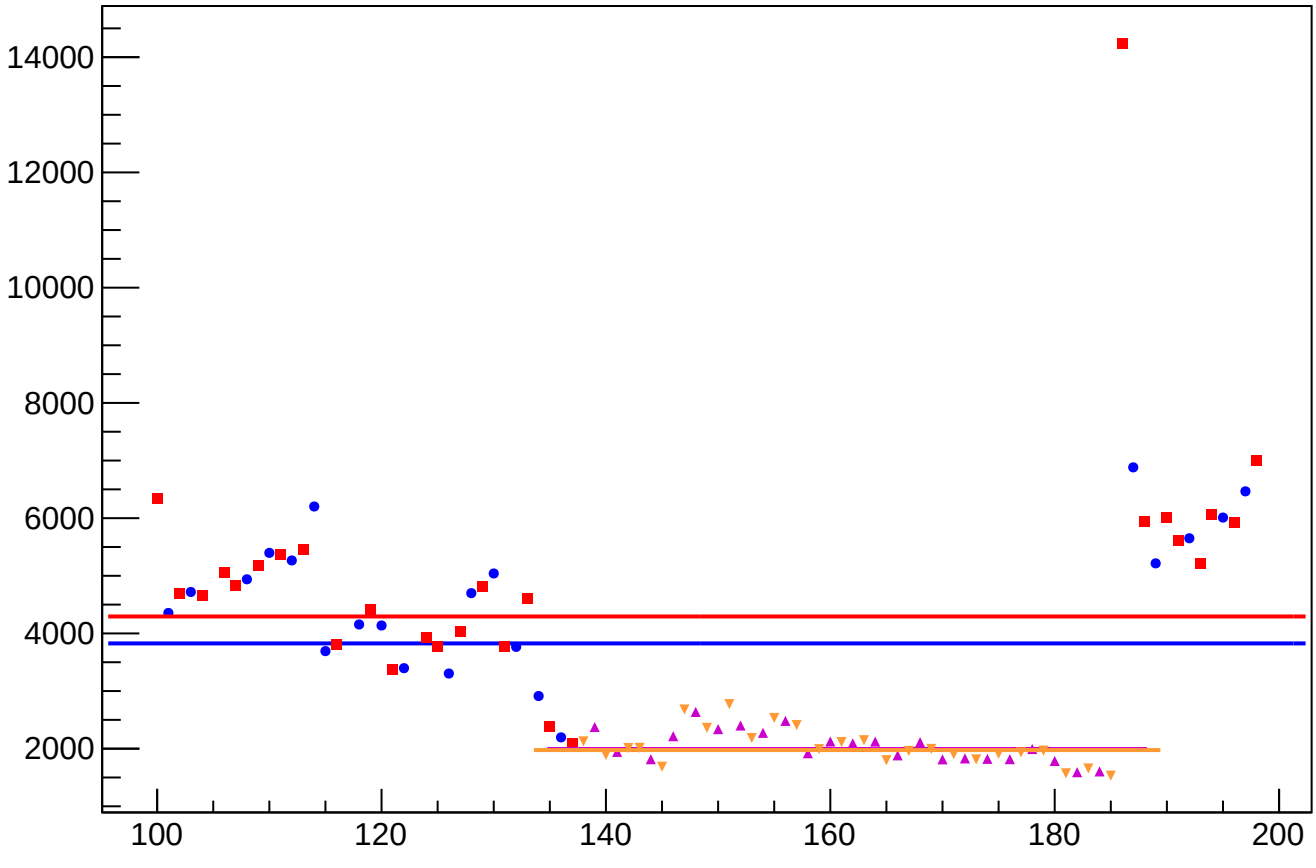
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -704.420+/-890.411 χ^2/NDF: 49.5/47

In: -432.178+/-440.379 χ^2/NDF:57.6/43

Out: -730.272+/-428.114 χ^2/NDF:69.8/51

All: -585.434+/-306.967 χ^2/NDF: 127.6/95



Right In: 3826.757+/-0.882 χ^2/NDF: 2311508.7/20

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4294.198+/-0.899 χ^2/NDF: 2589405.0/26

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

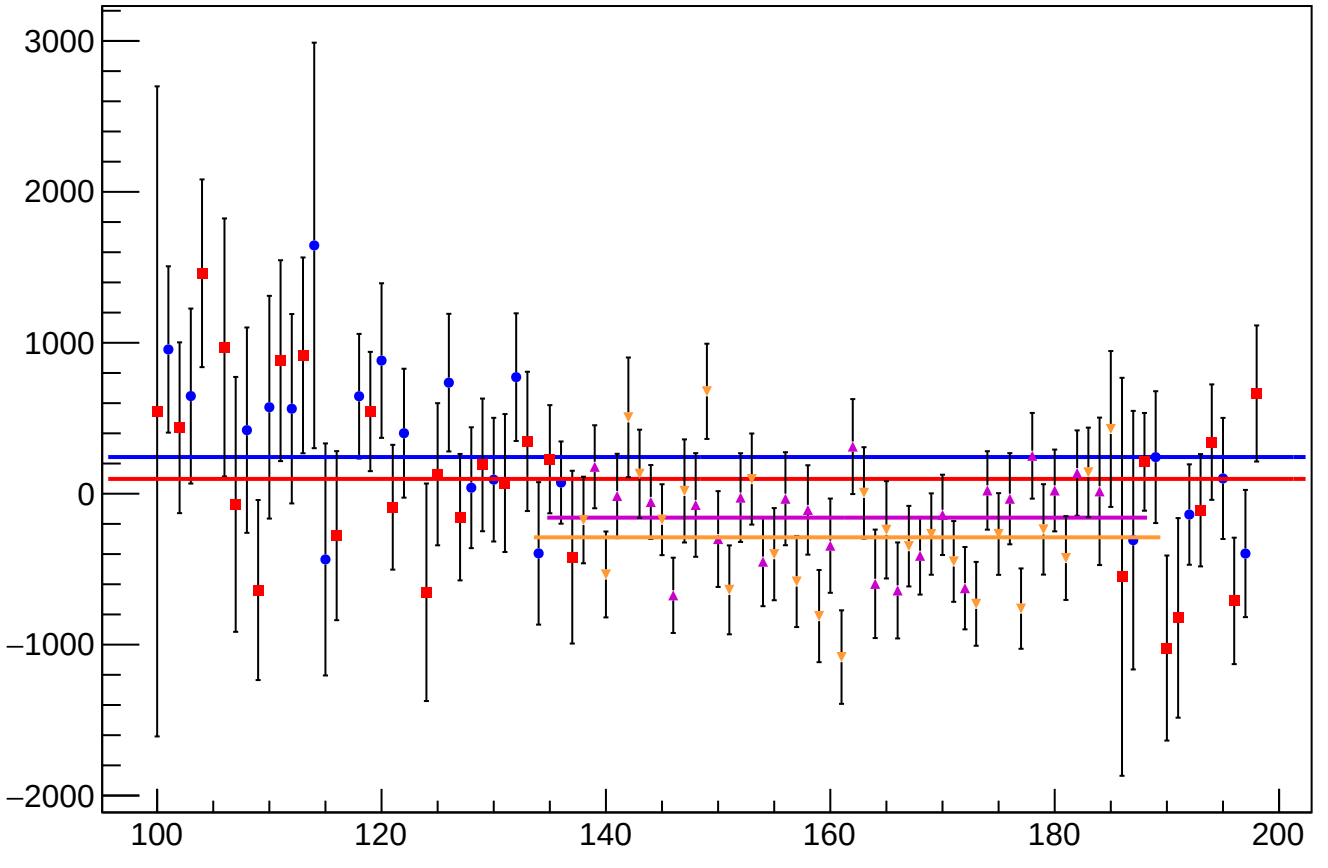
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4055.929+/-0.630 χ^2/NDF: 5038659.5/47

In: 2223.182+/-0.311 χ^2/NDF:6688992.2/43

Out: 2238.709+/-0.303 χ^2/NDF:9246005.5/51

All: 2231.165+/-0.217 χ^2/NDF: 15936276.0/9



Right In: 242.953+/-100.891 χ^2/NDF: 16.7/20

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 98.065+/-95.803 χ^2/NDF: 27.1/26

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

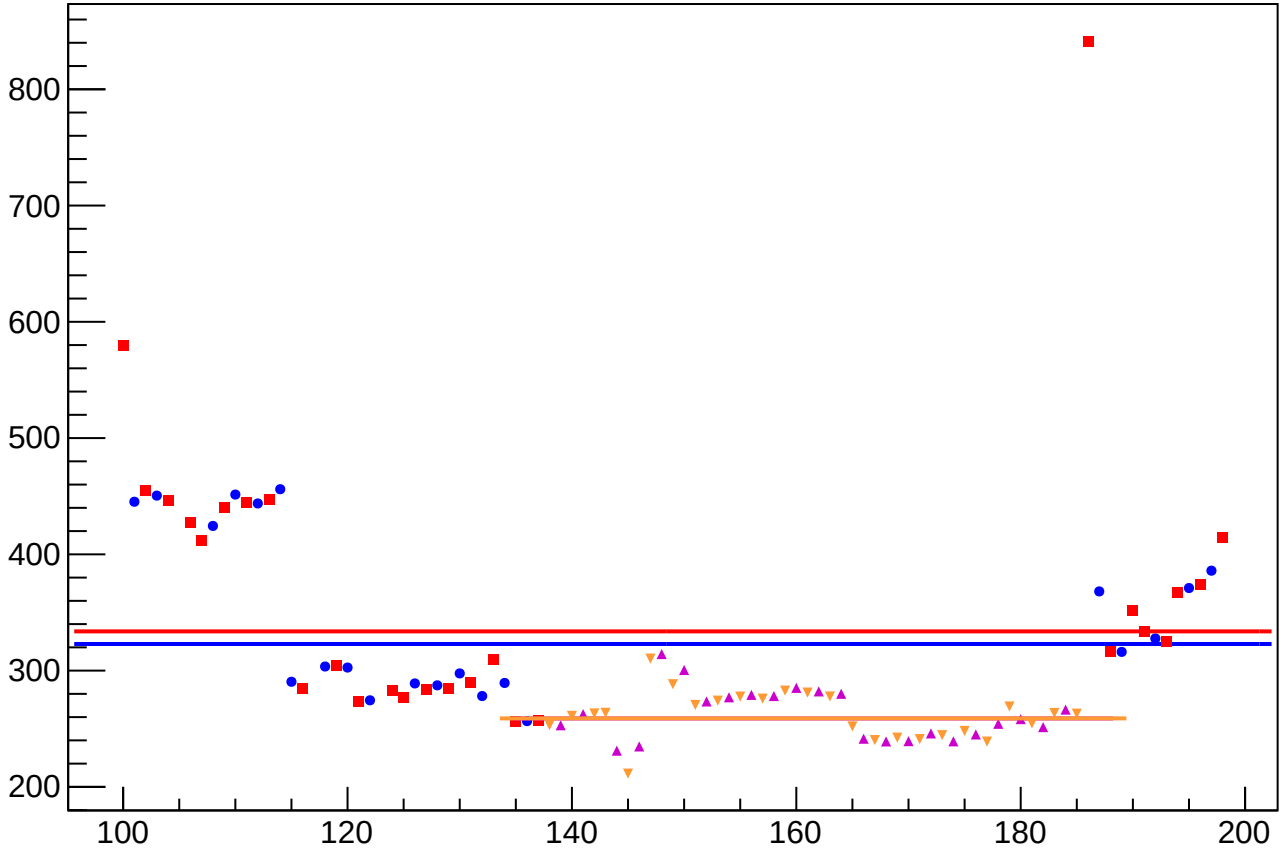
Right: 166.764+/-69.472 χ^2/NDF: 44.9/47

In: -51.868+/-52.017 χ^2/NDF:50.9/43

Out: -182.422+/-50.259 χ^2/NDF:81.4/51

All: -119.388+/-36.144 χ^2/NDF: 135.5/95

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 322.896+/-0.071 χ^2/NDF: 696966.5/20

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 333.748+/-0.068 χ^2/NDF: 1123755.4/26

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

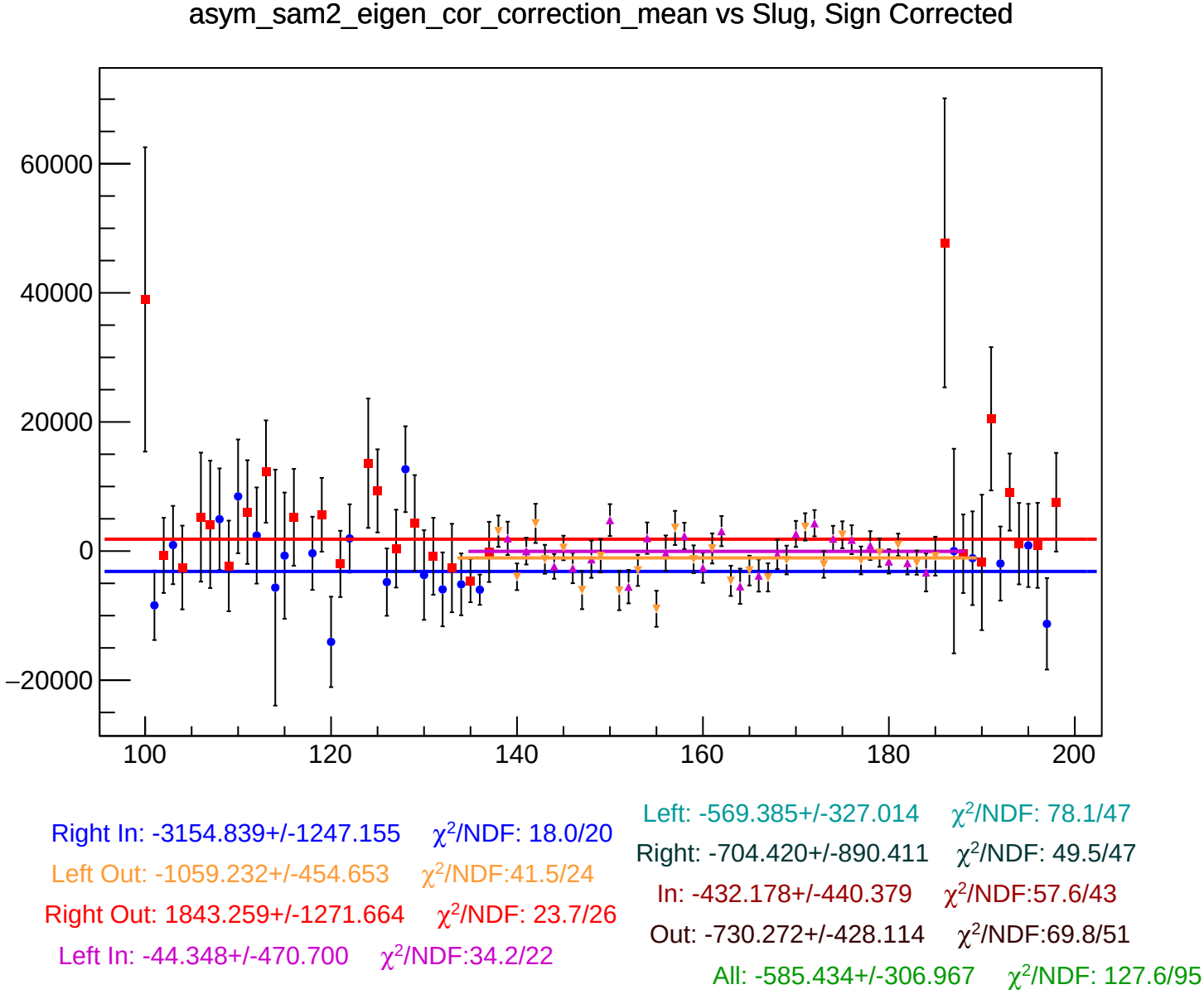
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

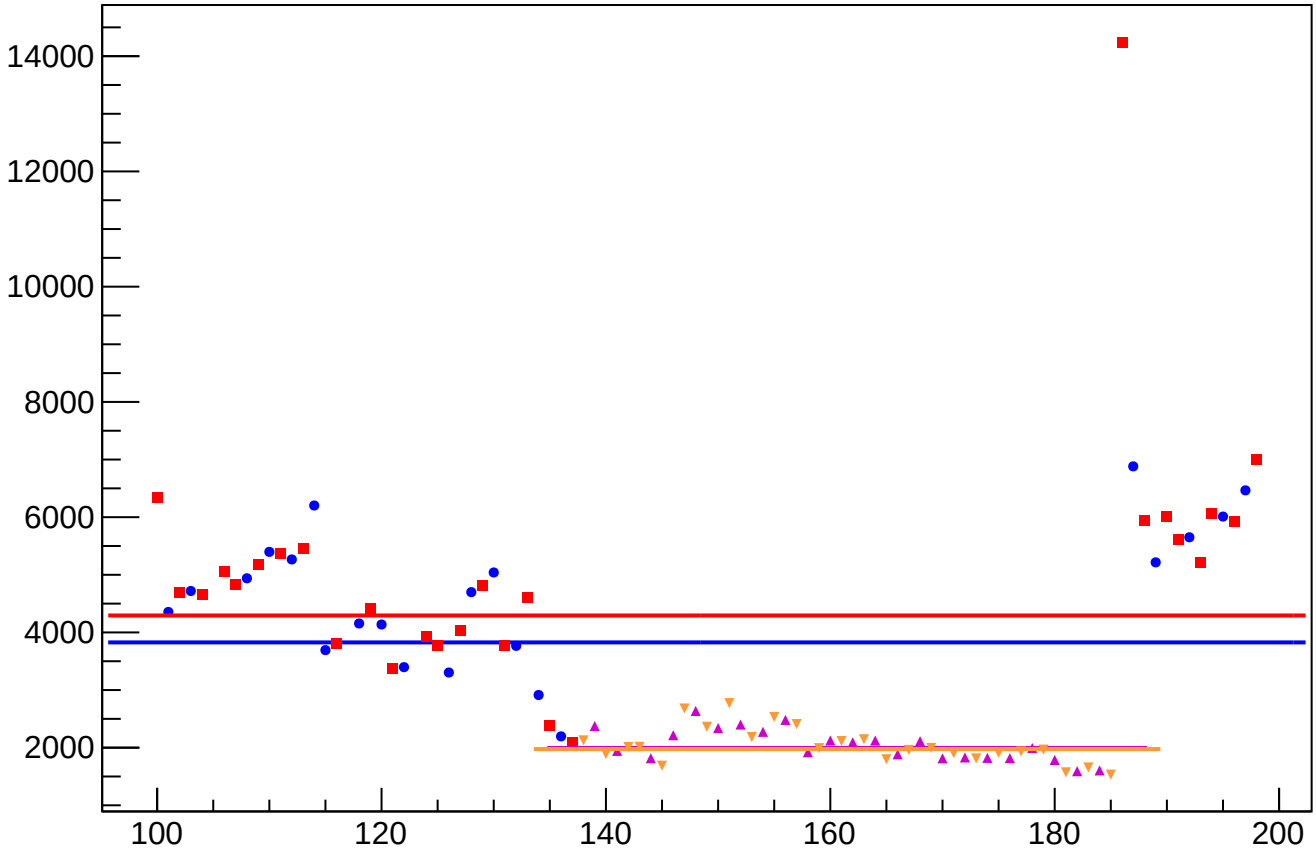
Right: 328.603+/-0.049 χ^2/NDF: 1832889.7/47

In: 275.870+/-0.037 χ^2/NDF:1533768.5/43

Out: 279.508+/-0.036 χ^2/NDF:2257011.7/51

All: 277.751+/-0.026 χ^2/NDF: 3795840.8/95


asym_sam2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
100
120
140
160
180
200
Right In: -3154.839+/-1247.155 χ²/NDF: 18.0/20
Left Out: -1059.232+/-454.653 χ²/NDF:41.5/24
Right Out: 1843.259+/-1271.664 χ²/NDF: 23.7/26
Left In: -44.348+/-470.700 χ²/NDF:34.2/22
Left: -569.385+/-327.014 χ²/NDF: 78.1/47
Right: -704.420+/-890.411 χ²/NDF: 49.5/47
In: -432.178+/-440.379 χ²/NDF:57.6/43
Out: -730.272+/-428.114 χ²/NDF:69.8/51
All: -585.434+/-306.967 χ²/NDF: 127.6/95



Right In: 3826.757+/-0.882 χ^2/NDF: 2311508.7/20

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4294.198+/-0.899 χ^2/NDF: 2589405.0/26

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

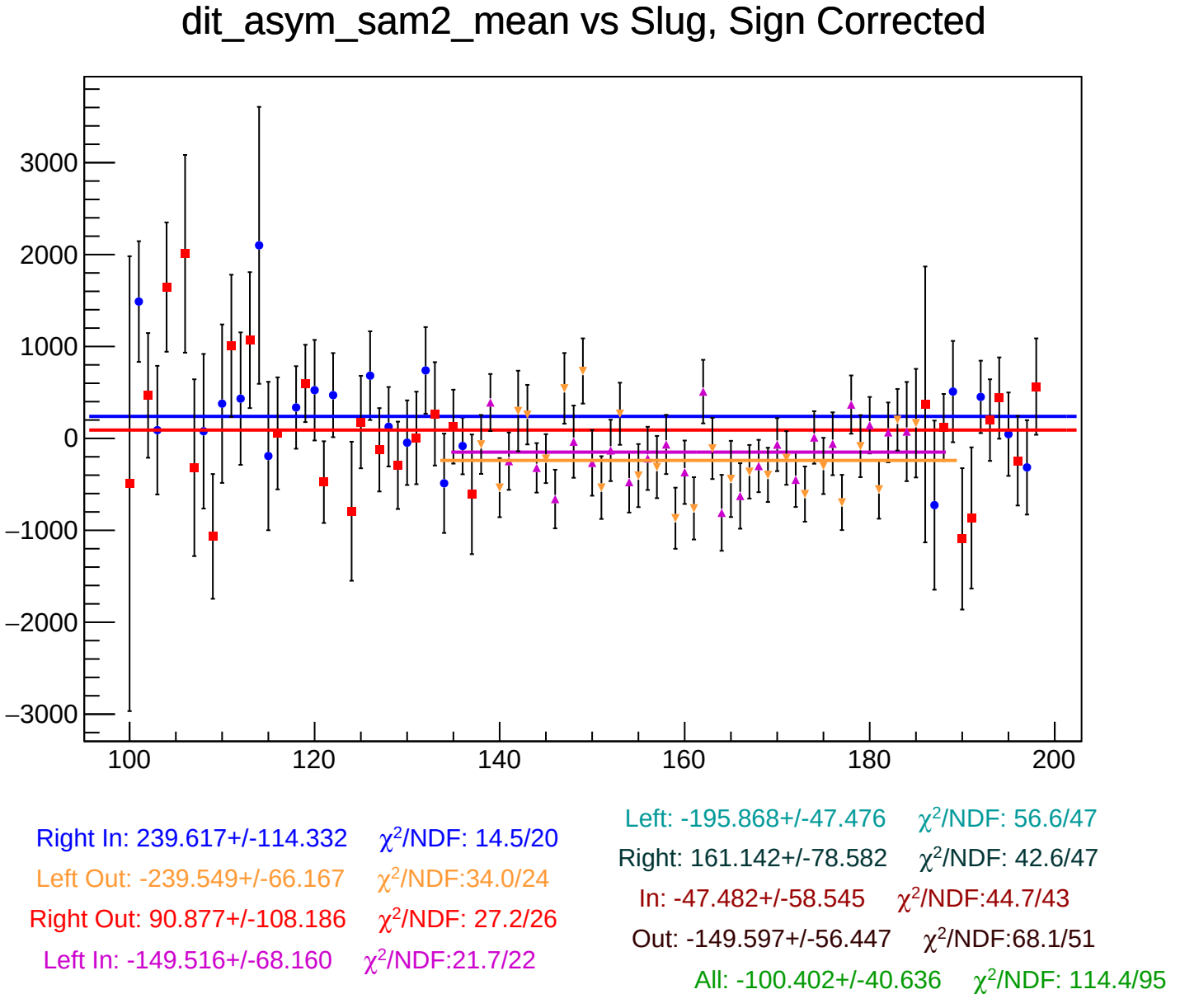
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4055.929+/-0.630 χ^2/NDF: 5038659.5/47

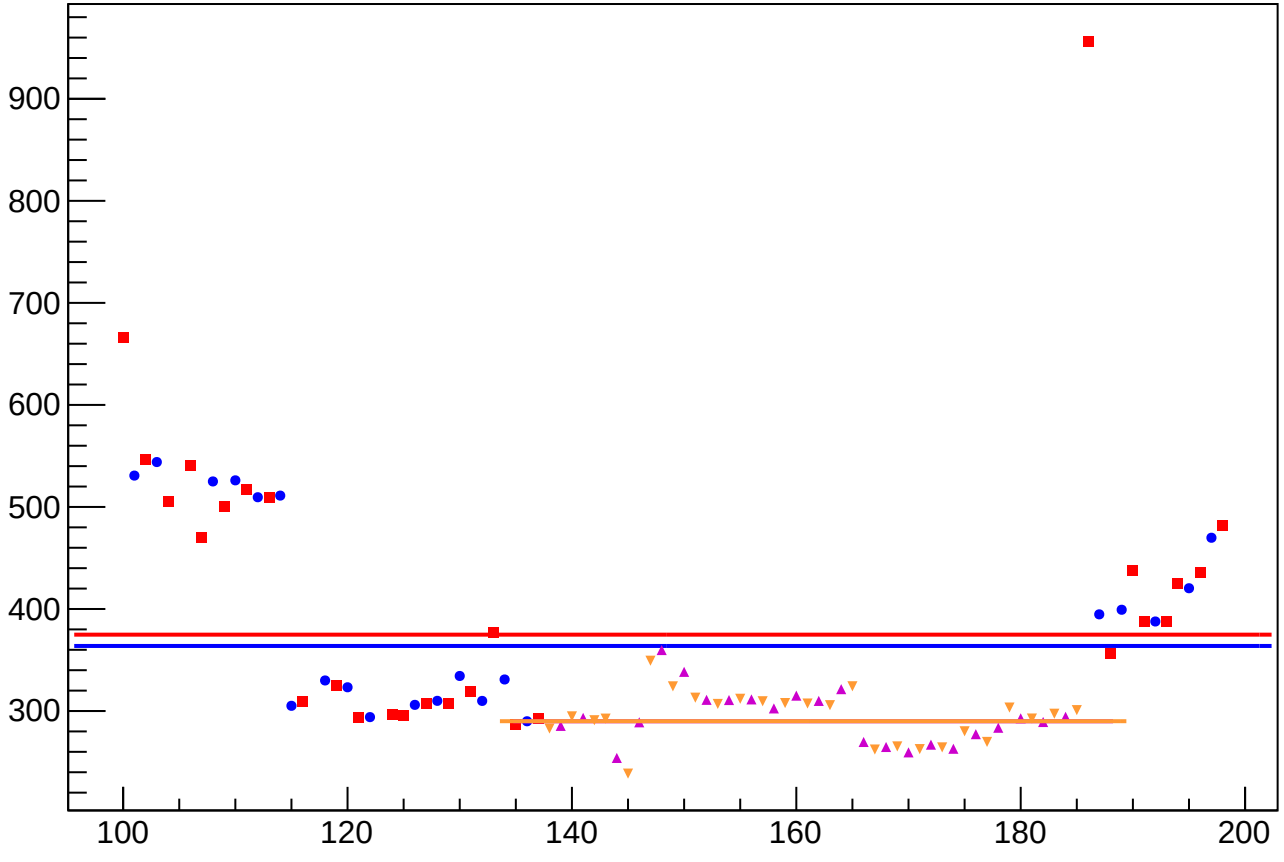
In: 2223.182+/-0.311 χ^2/NDF:6688992.2/43

Out: 2238.709+/-0.303 χ^2/NDF:9246005.5/51

All: 2231.165+/-0.217 χ^2/NDF: 15936276.0/9


dit_asym_sam2_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
−3000
100
120
140
160
180
200
Right In: 239.617+/-114.332 χ²/NDF: 14.5/20
Left Out: -239.549+/-66.167 χ²/NDF:34.0/24
Right Out: 90.877+/-108.186 χ²/NDF: 27.2/26
Left In: -149.516+/-68.160 χ²/NDF:21.7/22
Left: -195.868+/-47.476 χ²/NDF: 56.6/47
Right: 161.142+/-78.582 χ²/NDF: 42.6/47
In: -47.482+/-58.545 χ²/NDF:44.7/43
Out: -149.597+/-56.447 χ²/NDF:68.1/51
All: -100.402+/-40.636 χ²/NDF: 114.4/95

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 363.763+/-0.081 χ^2/NDF: 937311.3/20

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 374.841+/-0.076 χ^2/NDF: 1380611.4/26

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

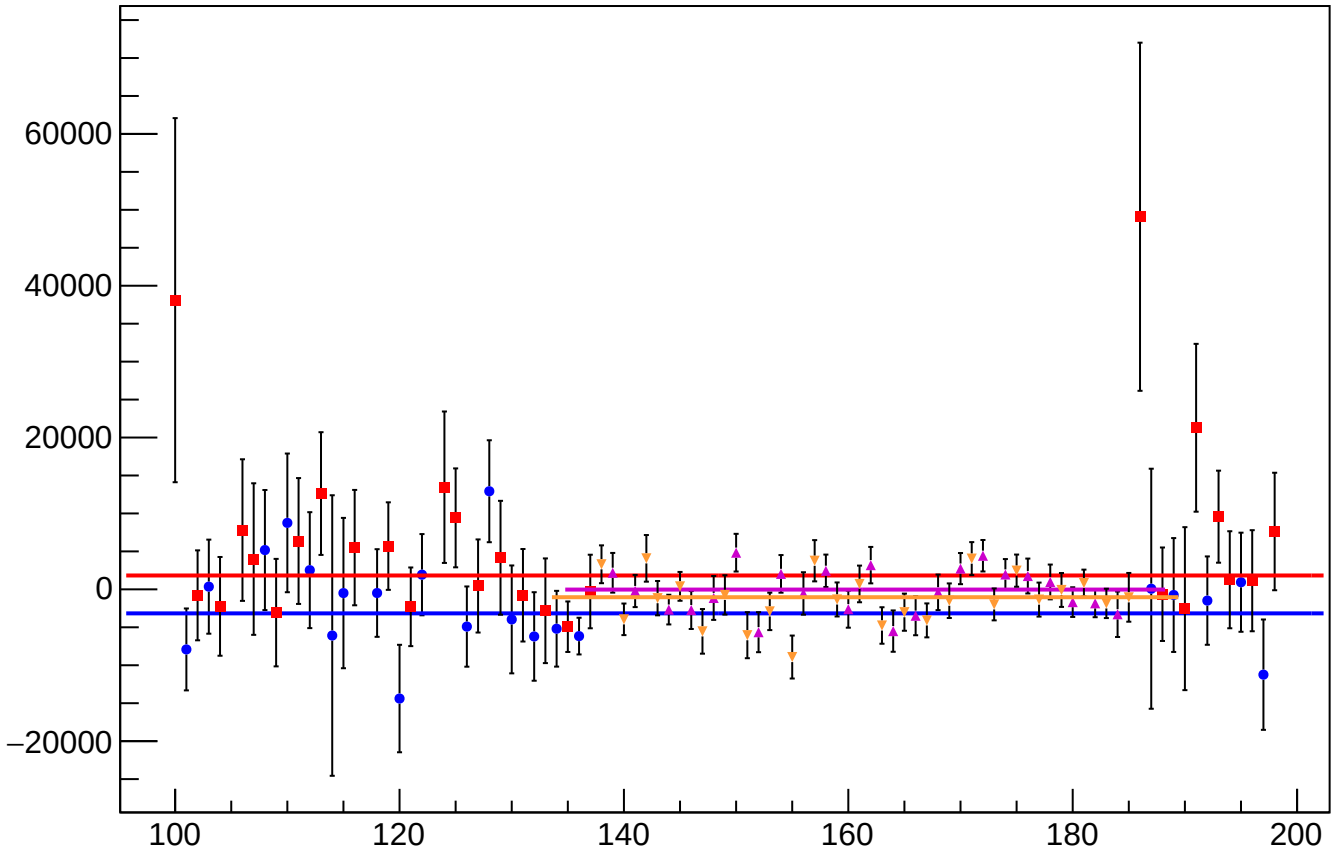
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 369.608+/-0.056 χ^2/NDF: 2327829.3/47

In: 309.298+/-0.041 χ^2/NDF:1822159.5/43

Out: 313.113+/-0.040 χ^2/NDF:2555934.8/51

All: 311.275+/-0.029 χ^2/NDF: 4382495.5/95



Right In: -3164.920+/-1274.491 χ^2/NDF: 17.9/20

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: 1826.339+/-1285.930 χ^2/NDF: 24.9/26

Left In: -30.393+/-482.280 χ^2/NDF:34.1/22

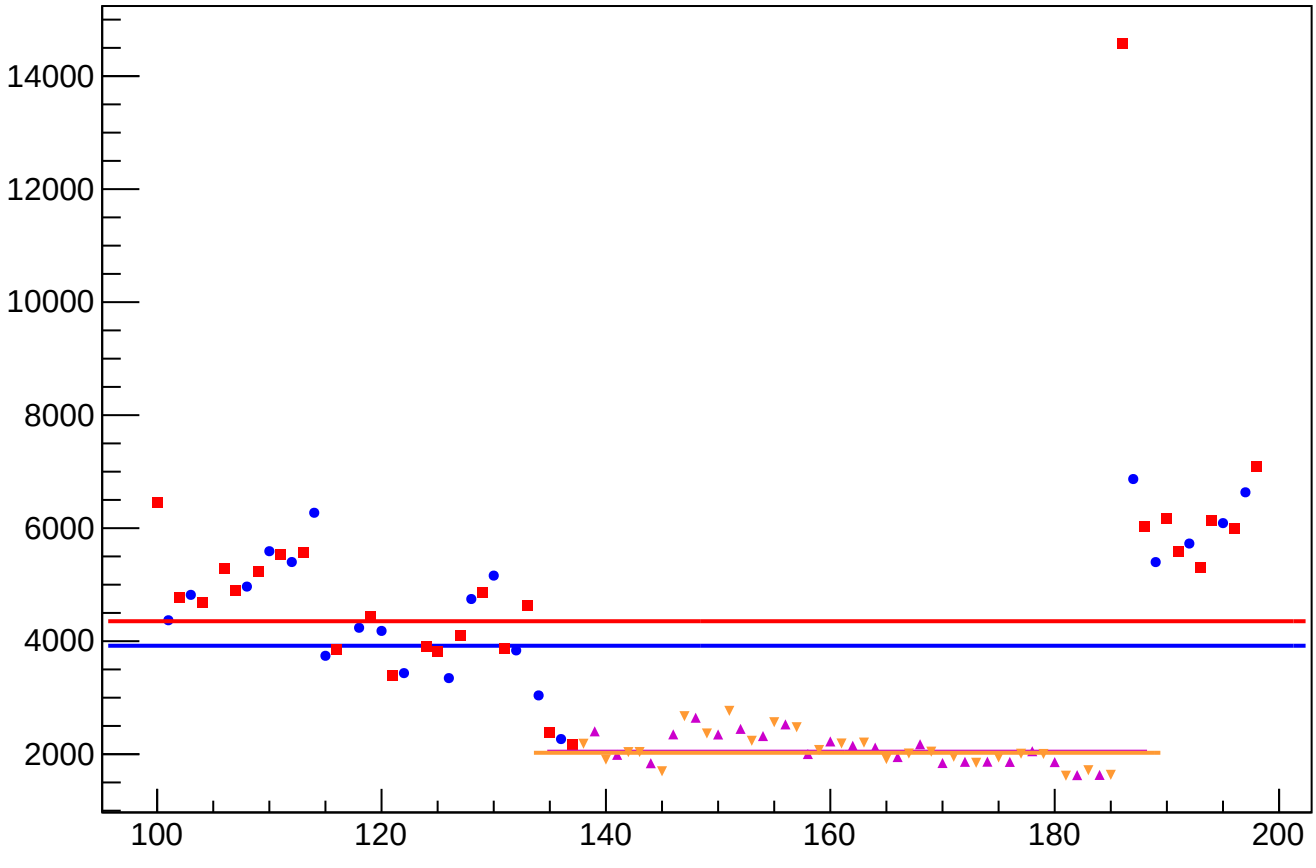
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

Right: -691.589+/-905.218 χ^2/NDF: 50.4/47

In: -423.018+/-451.065 χ^2/NDF:57.3/43

Out: -705.120+/-437.558 χ^2/NDF:69.6/51

All: -568.356+/-314.067 χ^2/NDF: 127.1/95



Right In: 3919.259+/-0.901 χ^2/NDF: 2243098.8/20

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4353.213+/-0.909 χ^2/NDF: 2606888.0/26

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

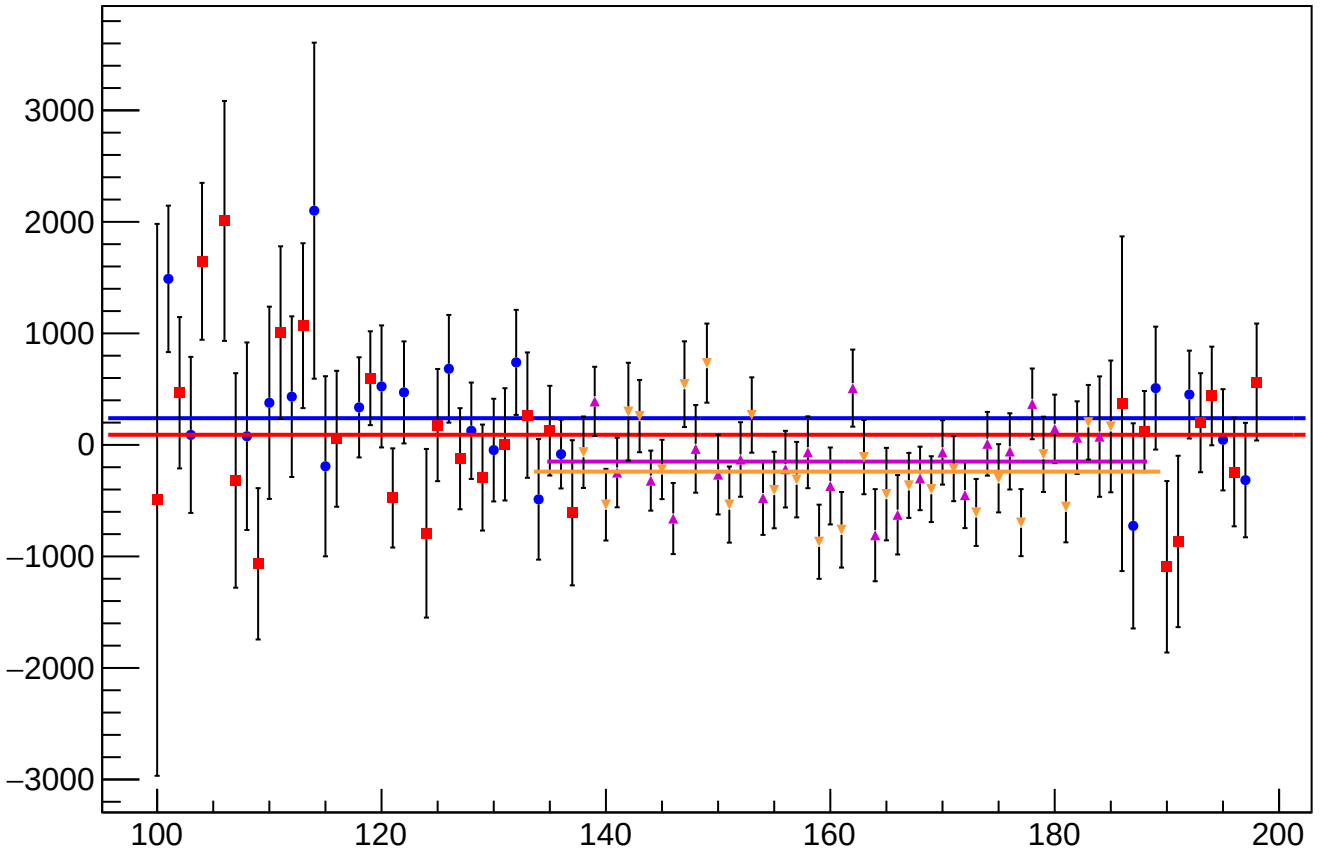
Left: 2034.456+/-0.237 χ^2/NDF: 1287422.7/47

Right: 4134.298+/-0.640 χ^2/NDF: 4964885.6/47

In: 2279.348+/-0.319 χ^2/NDF:6613463.8/43

Out: 2294.637+/-0.309 χ^2/NDF:9104253.1/51

All: 2287.225+/-0.222 χ^2/NDF: 15718900.7/9



Right In: 239.621+/-114.332 χ^2/NDF: 14.5/20

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: 90.878+/-108.185 χ^2/NDF: 27.2/26

Left In: -149.517+/-68.160 χ^2/NDF:21.7/22

Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

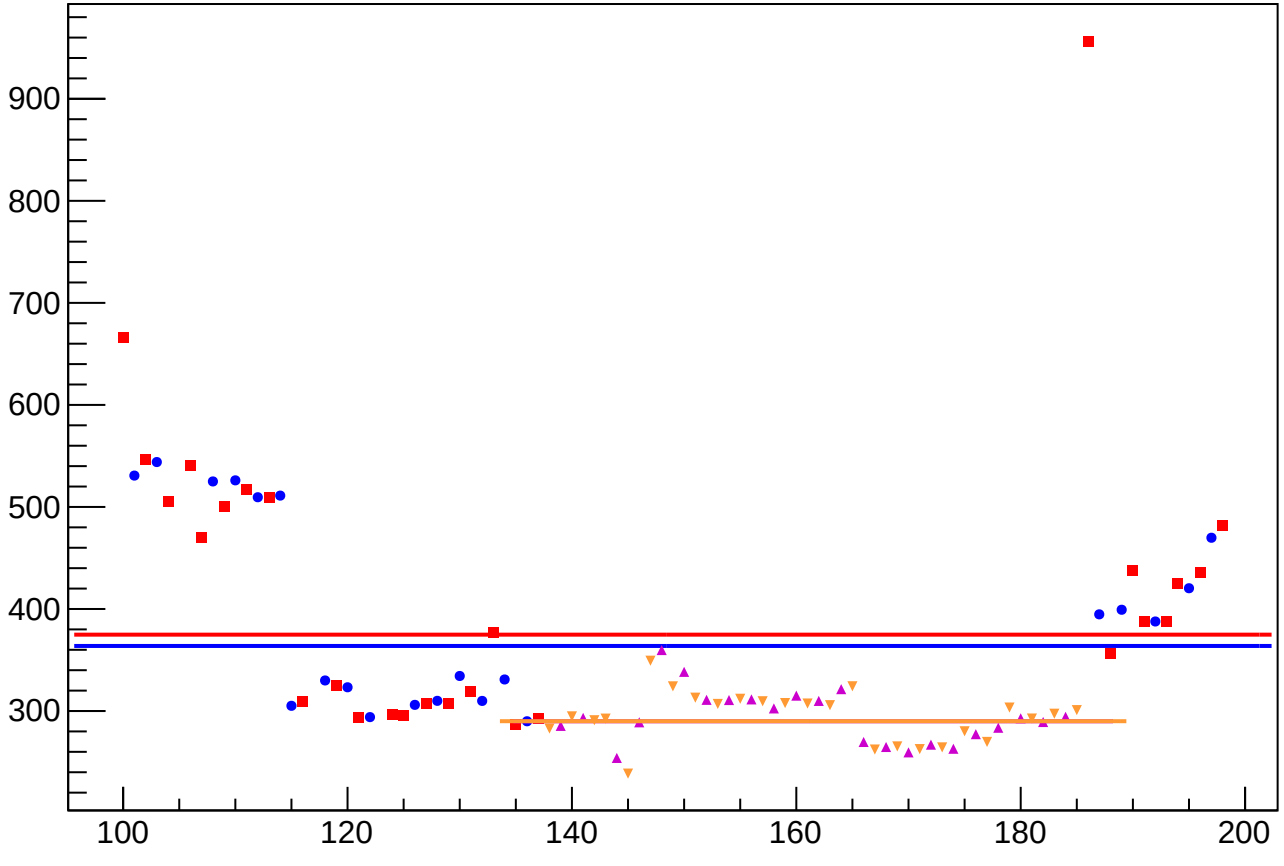
Right: 161.144+/-78.582 χ^2/NDF: 42.6/47

In: -47.481+/-58.545 χ^2/NDF:44.7/43

Out: -149.599+/-56.447 χ^2/NDF:68.1/51

All: -100.403+/-40.636 χ^2/NDF: 114.4/95

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 363.762+/-0.081 χ^2/NDF: 937311.4/20

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 374.841+/-0.076 χ^2/NDF: 1380604.1/26

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

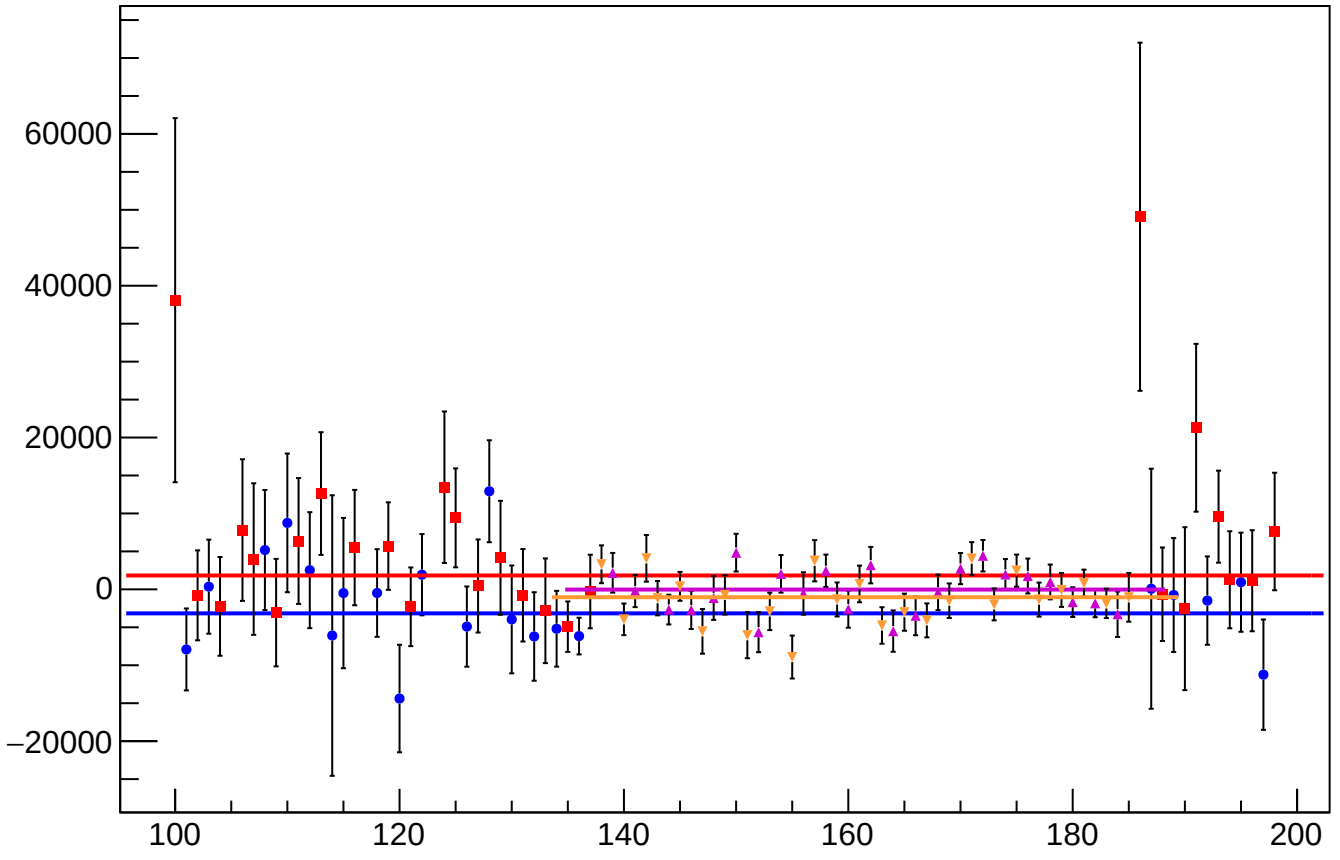
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 369.607+/-0.056 χ^2/NDF: 2327823.5/47

In: 309.298+/-0.041 χ^2/NDF:1822139.2/43

Out: 313.113+/-0.040 χ^2/NDF:2555916.3/51

All: 311.275+/-0.029 χ^2/NDF: 4382457.2/95



Right In: -3164.913+/-1274.489 χ^2/NDF: 17.9/20

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: 1826.341+/-1285.929 χ^2/NDF: 24.9/26

Left In: -30.392+/-482.280 χ^2/NDF:34.1/22

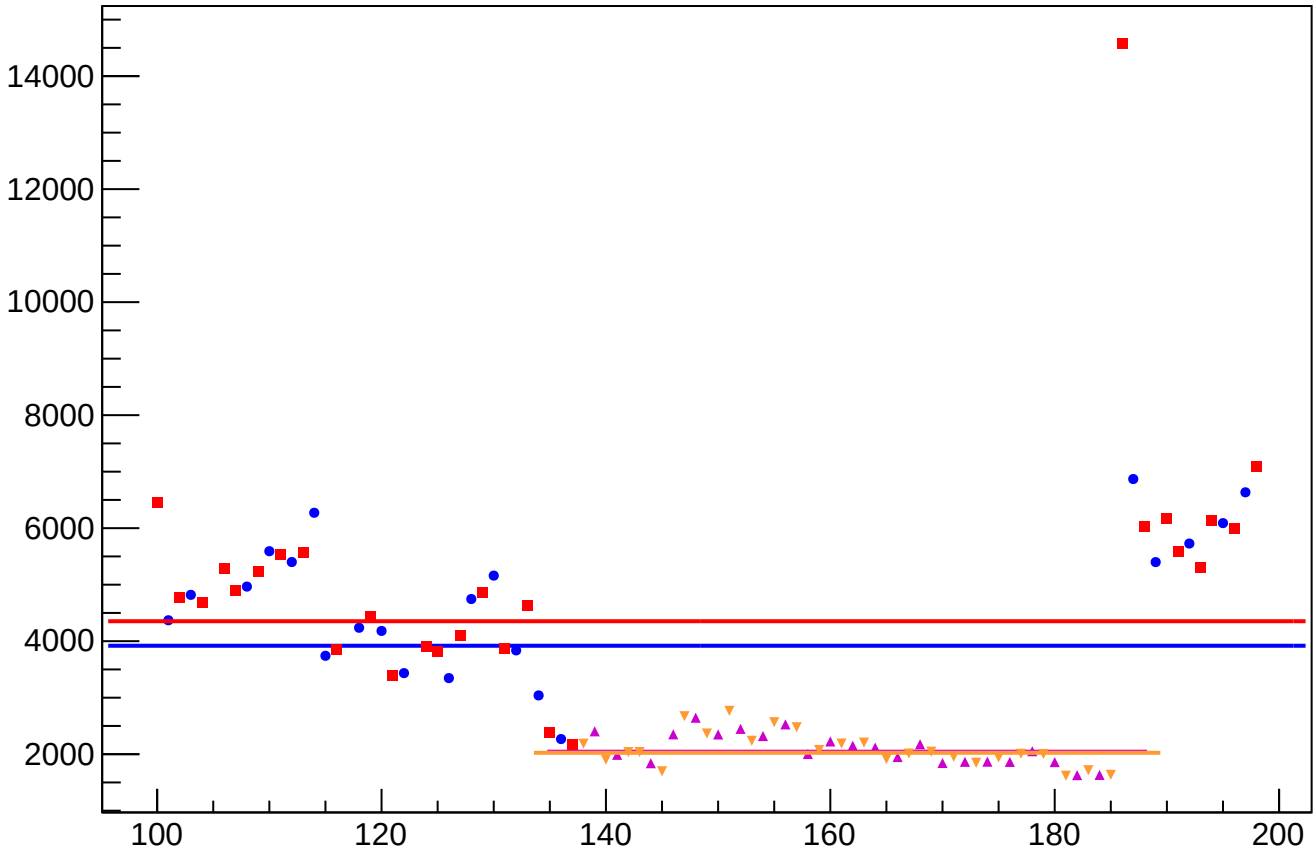
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -691.585+/-905.217 χ^2/NDF: 50.4/47

In: -423.017+/-451.065 χ^2/NDF:57.3/43

Out: -705.119+/-437.558 χ^2/NDF:69.6/51

All: -568.355+/-314.067 χ^2/NDF: 127.1/95



Right In: 3919.256+/-0.901 χ^2/NDF: 2243088.1/20

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4353.208+/-0.909 χ^2/NDF: 2606883.6/26

Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

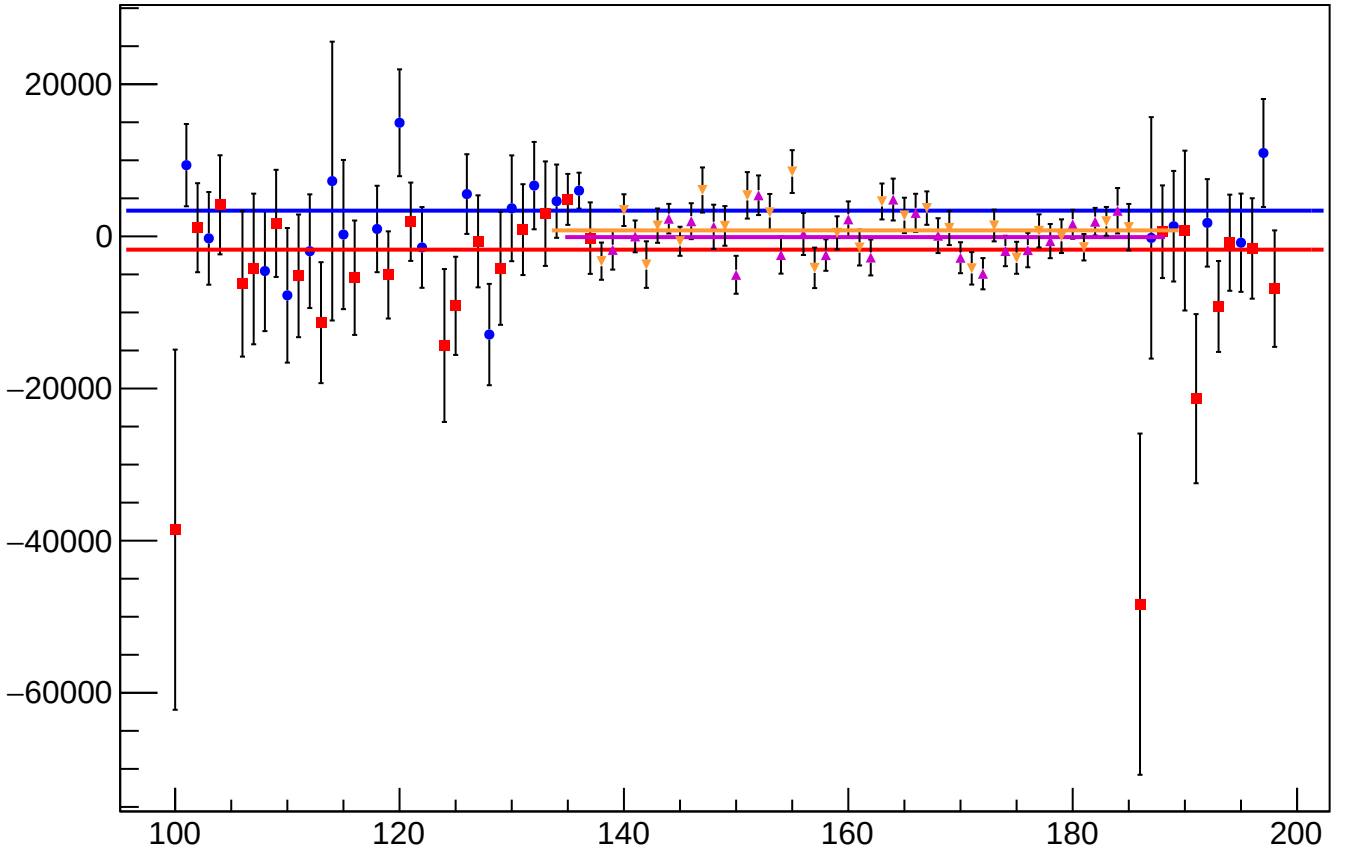
Right: 4134.293+/-0.640 χ^2/NDF: 4964870.2/47

In: 2279.348+/-0.319 χ^2/NDF:6613451.0/43

Out: 2294.637+/-0.309 χ^2/NDF:9104239.4/51

All: 2287.225+/-0.222 χ^2/NDF: 15718874.2/9

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3381.790+/-1252.613 χ^2/NDF: 18.1/20

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: -1746.007+/-1275.178 χ^2/NDF: 24.1/26

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

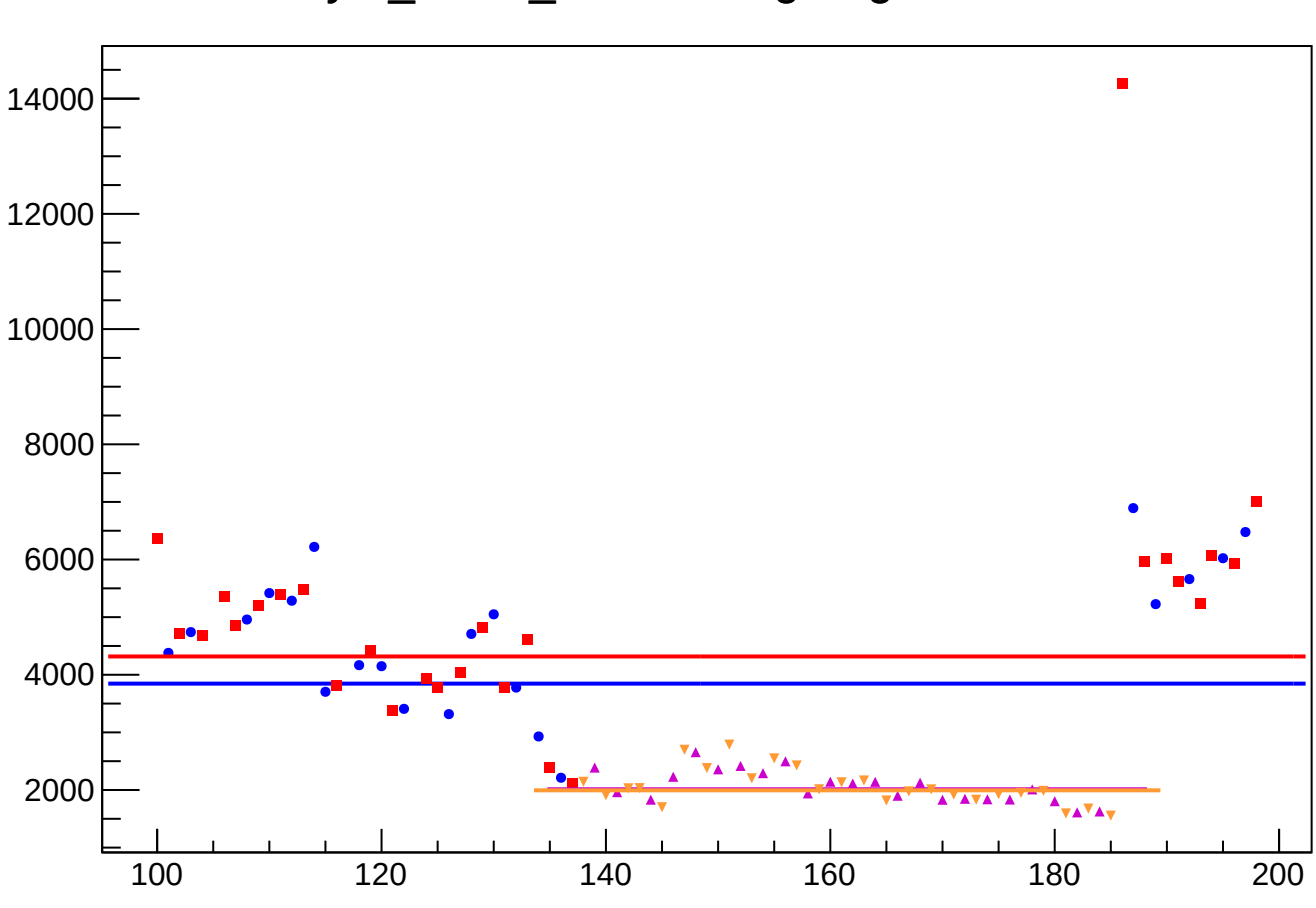
Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

Right: 863.663+/-893.602 χ^2/NDF: 50.4/47

In: 340.308+/-443.996 χ^2/NDF:57.7/43

Out: 497.935+/-431.646 χ^2/NDF:68.9/51

All: 421.344+/-309.494 χ^2/NDF: 126.6/95



Right In: 3846.052+/-0.886 χ^2/NDF: 2288009.7/20

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

Right Out: 4317.777+/-0.902 χ^2/NDF: 2581483.6/26

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

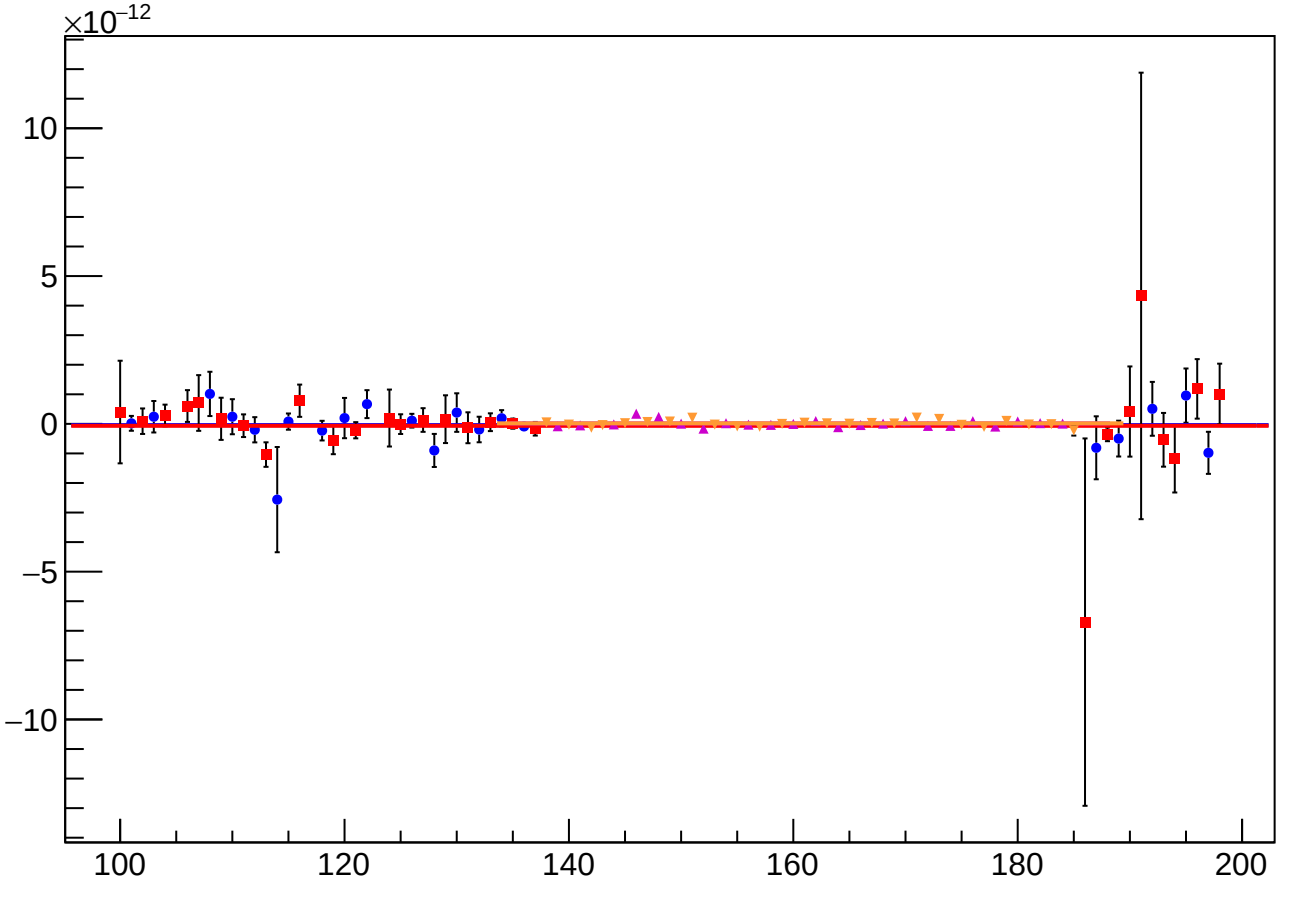
Right: 4077.704+/-0.632 χ^2/NDF: 5008783.7/47

In: 2243.033+/-0.314 χ^2/NDF:6621397.6/43

Out: 2260.479+/-0.305 χ^2/NDF:9207396.8/51

All: 2252.002+/-0.219 χ^2/NDF: 15830381.8/9

asym_sam2_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.6/26

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

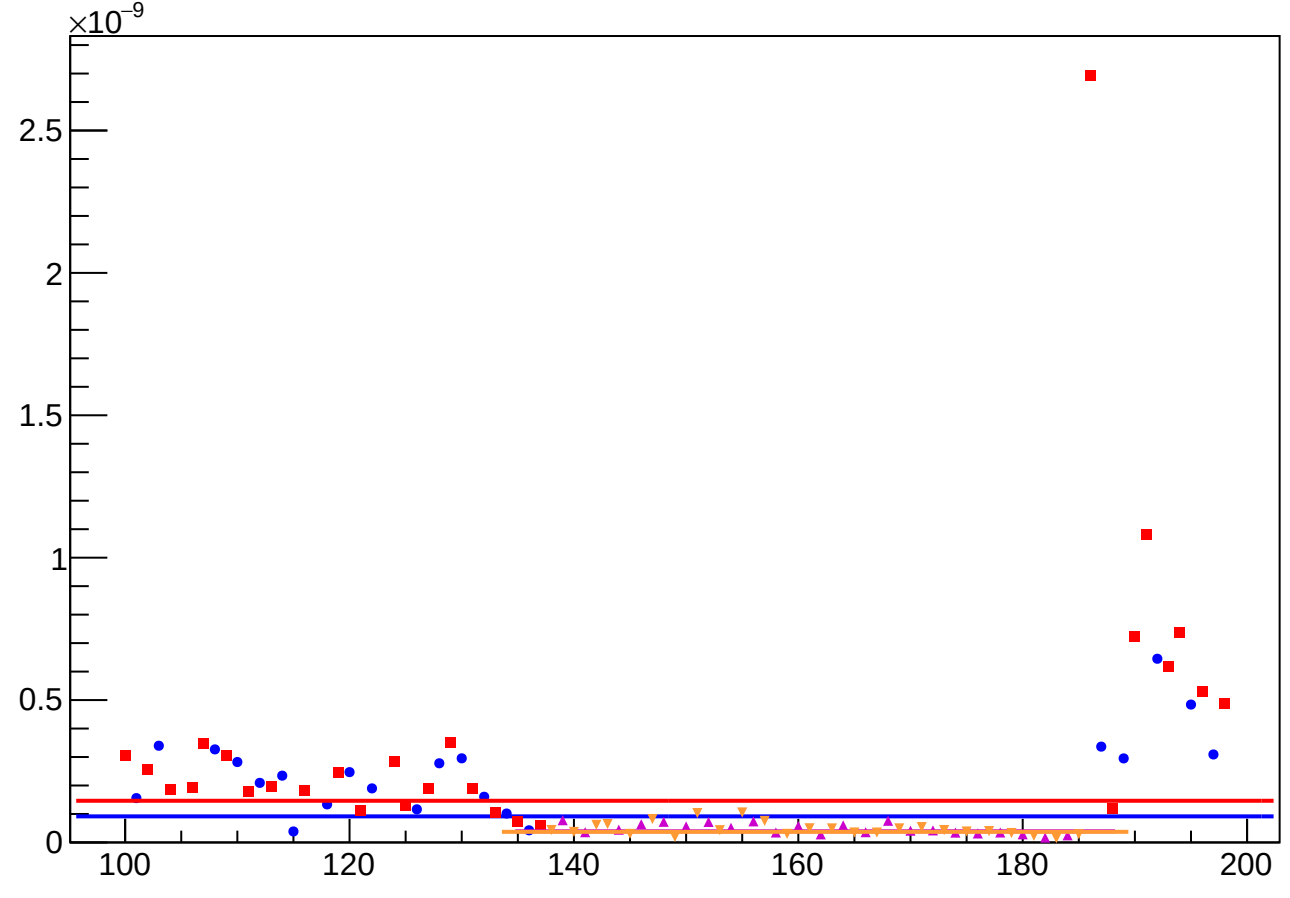
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 37.0/47

In: 0.000+/-0.000 χ^2/NDF:47.8/43

Out: 0.000+/-0.000 χ^2/NDF:42.9/51

All: 0.000+/-0.000 χ^2/NDF: 90.8/95



Right In: 0.000+/-0.000 χ^2/NDF: 4365271.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3705414.4/26

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

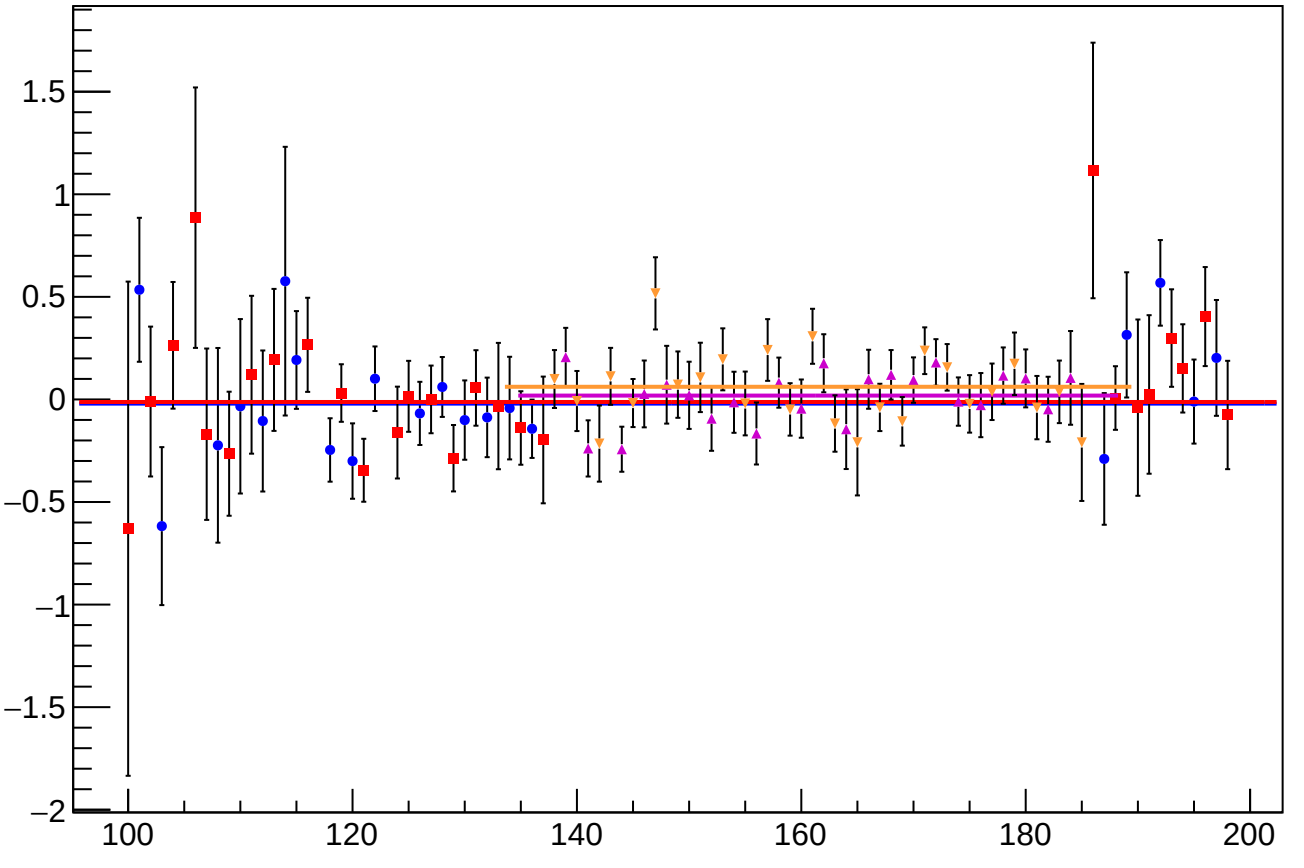
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 8685696.8/47

In: 0.000+/-0.000 χ^2/NDF:7720709.5/43

Out: 0.000+/-0.000 χ^2/NDF:9736767.6/51

All: 0.000+/-0.000 χ^2/NDF: 17467350.5/95



Right In: -0.020+/-0.047 χ^2/NDF: 23.8/20

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.012+/-0.045 χ^2/NDF: 23.6/26

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

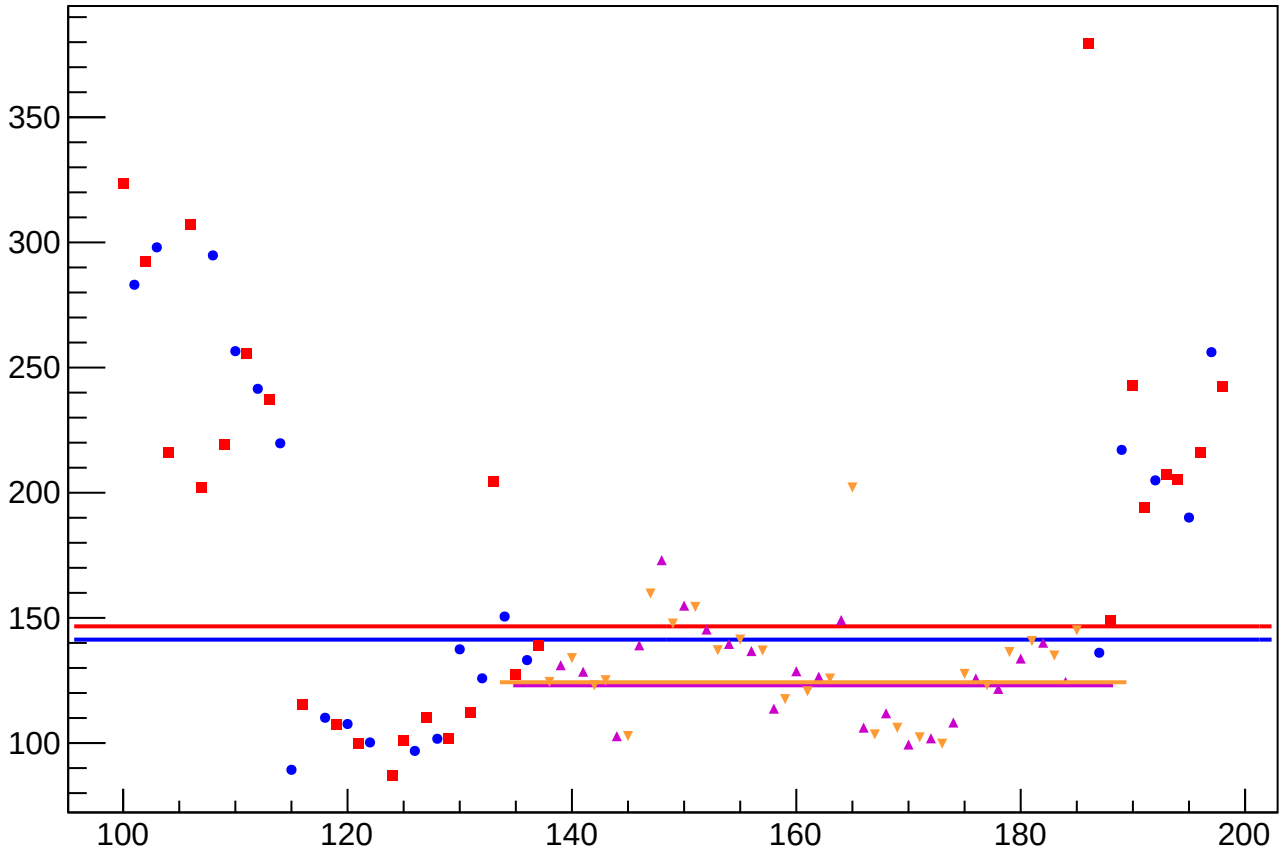
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.016+/-0.032 χ^2/NDF: 47.4/47

In: 0.008+/-0.025 χ^2/NDF:44.6/43

Out: 0.040+/-0.024 χ^2/NDF:53.0/51

All: 0.024+/-0.017 χ^2/NDF: 98.5/95



Right In: 141.317+/-0.033 χ^2/NDF: 2684135.5/20

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 146.617+/-0.032 χ^2/NDF: 3231389.8/26

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

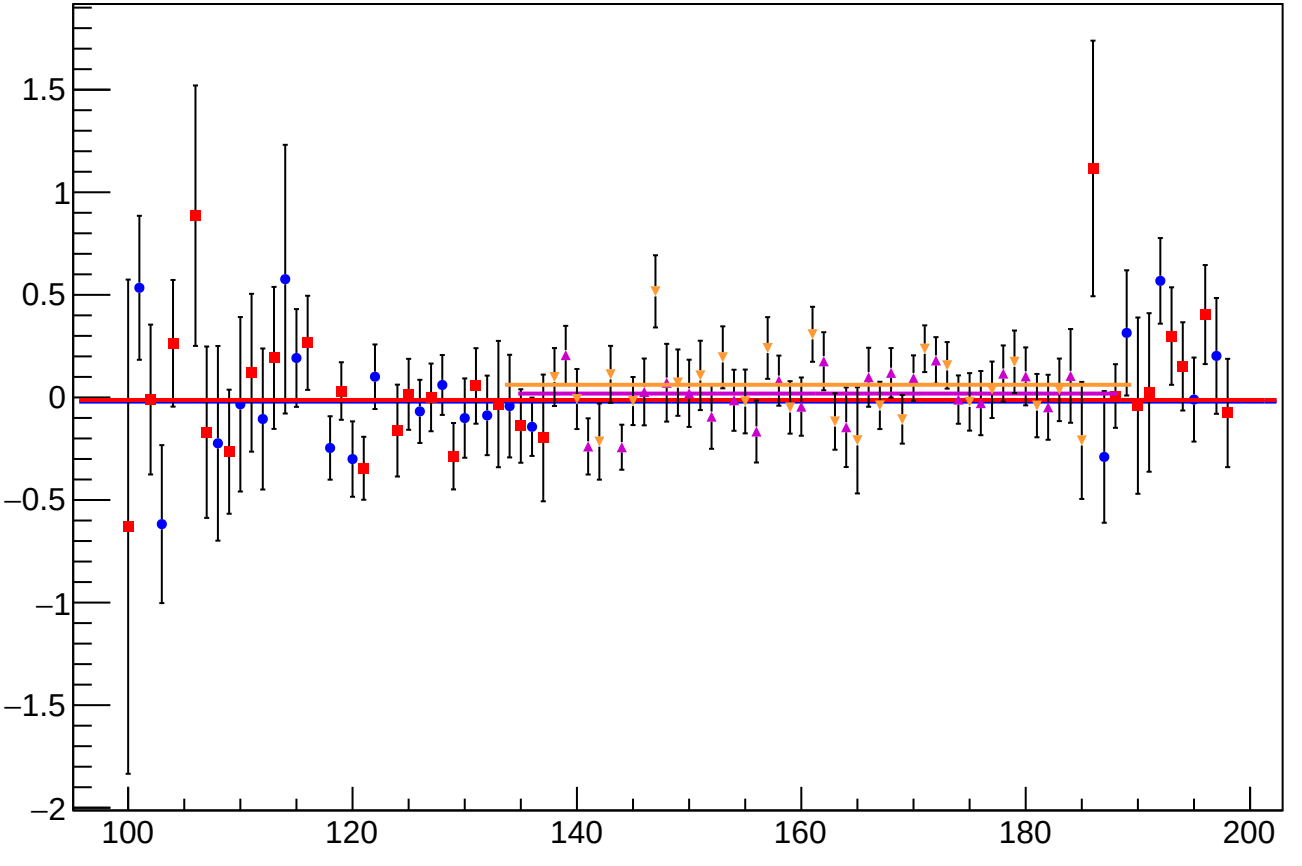
Right: 144.105+/-0.023 χ^2/NDF: 5928905.7/47

In: 128.180+/-0.018 χ^2/NDF:3620196.6/43

Out: 130.821+/-0.017 χ^2/NDF:4426751.1/51

All: 129.541+/-0.012 χ^2/NDF: 8058554.9/95

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.047 χ^2/NDF: 23.8/20

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.012+/-0.045 χ^2/NDF: 23.6/26

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

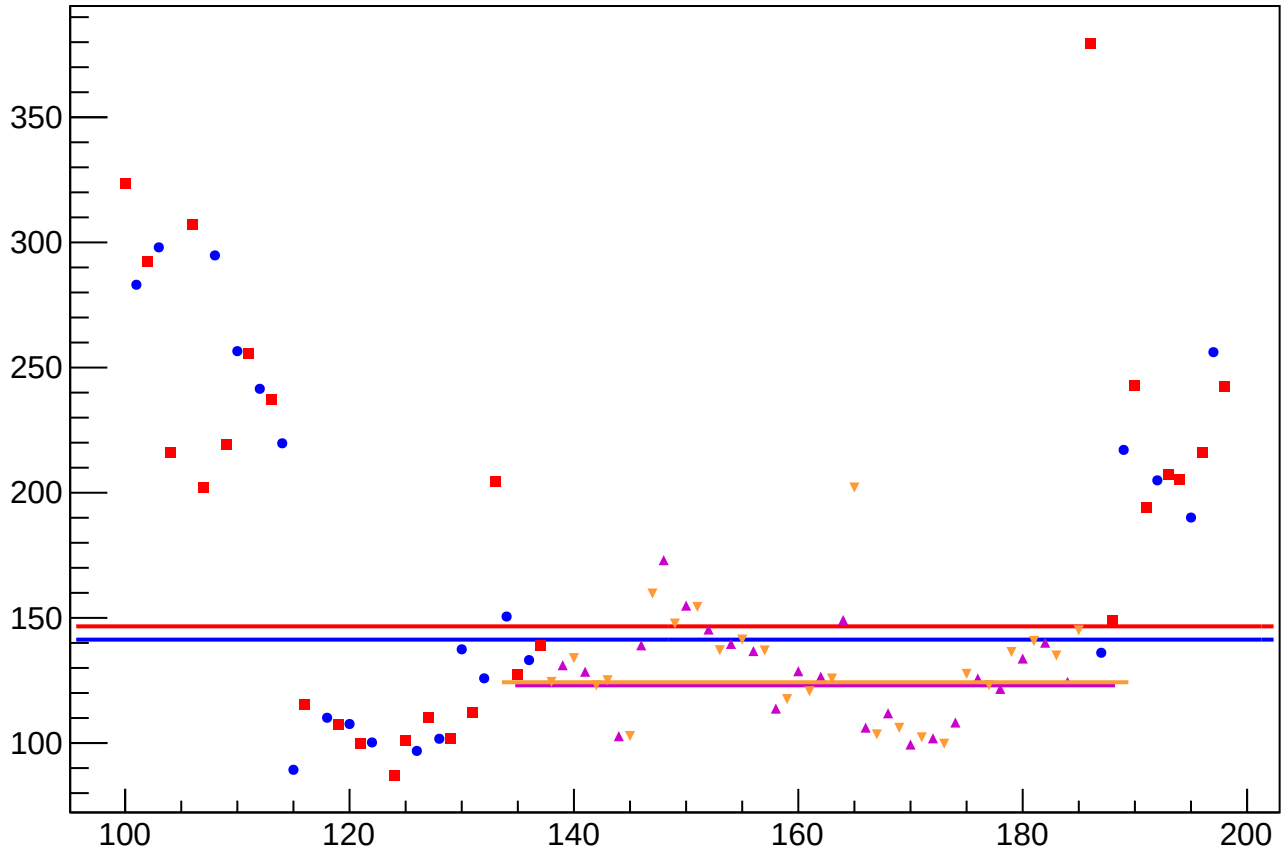
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.016+/-0.032 χ^2/NDF: 47.4/47

In: 0.008+/-0.025 χ^2/NDF:44.6/43

Out: 0.040+/-0.024 χ^2/NDF:53.0/51

All: 0.024+/-0.017 χ^2/NDF: 98.5/95



Right In: 141.317+/-0.033 χ^2/NDF: 2684135.5/20

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 146.617+/-0.032 χ^2/NDF: 3231389.8/26

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

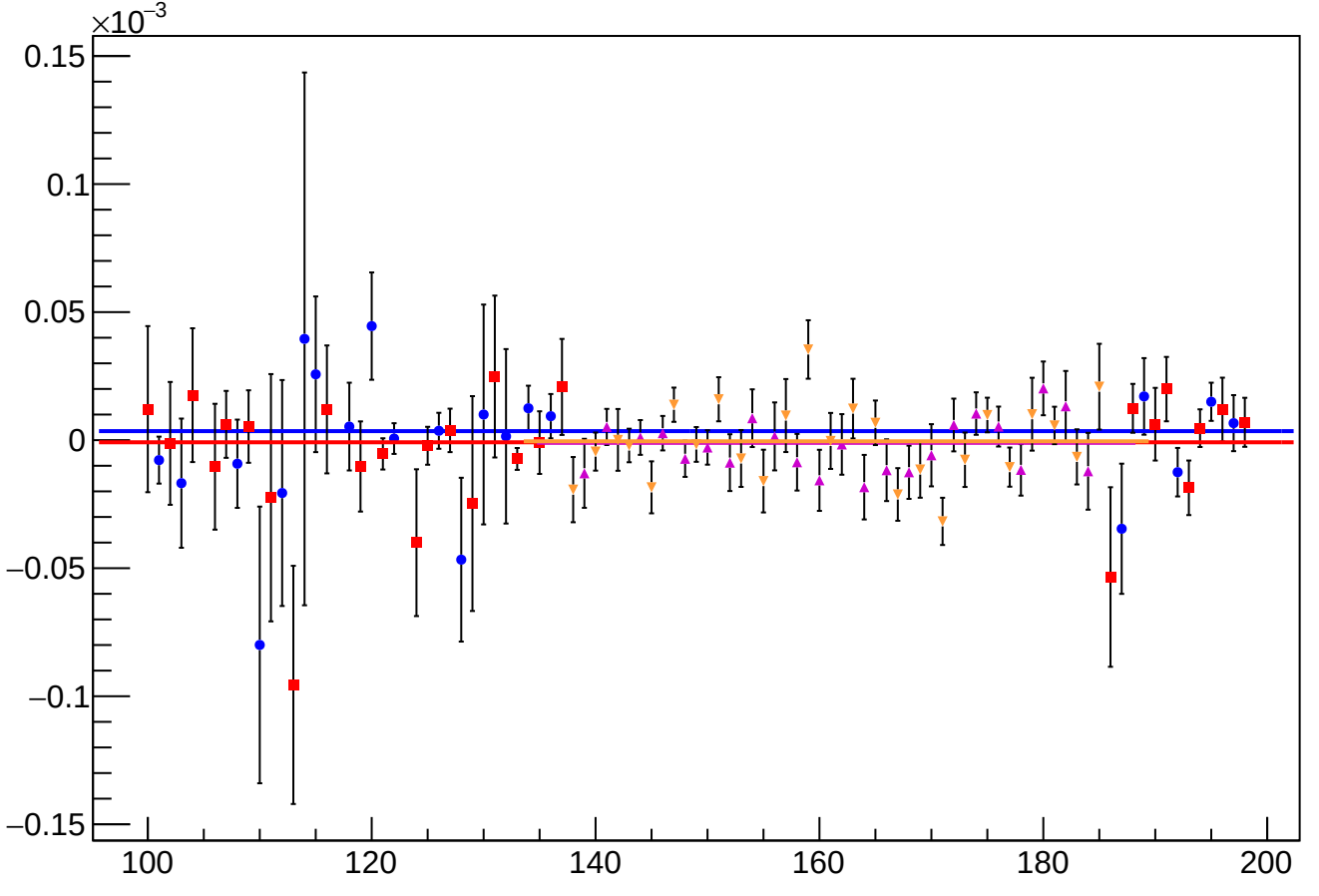
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 144.105+/-0.023 χ^2/NDF: 5928905.7/47

In: 128.180+/-0.018 χ^2/NDF:3620196.6/43

Out: 130.821+/-0.017 χ^2/NDF:4426751.1/51

All: 129.541+/-0.012 χ^2/NDF: 8058554.9/95



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/20

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/26

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

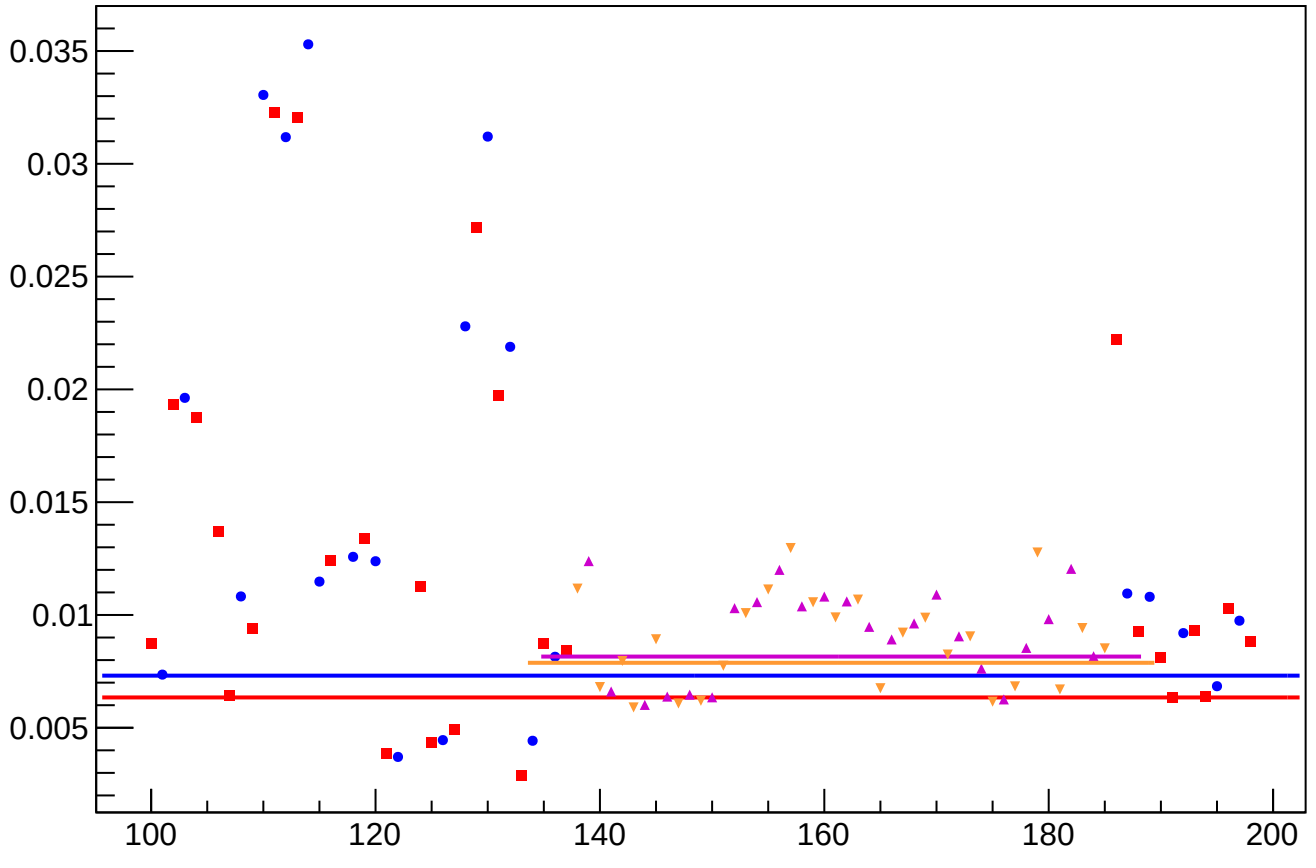
Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

Right: 0.000+/-0.000 χ^2/NDF: 49.9/47

In: 0.000+/-0.000 χ^2/NDF:44.3/43

Out: -0.000+/-0.000 χ^2/NDF:78.3/51

All: -0.000+/-0.000 χ^2/NDF: 123.0/95



Right In: 0.007+/-0.000 χ^2/NDF: 5166774.5/20

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 6935652.3/26

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

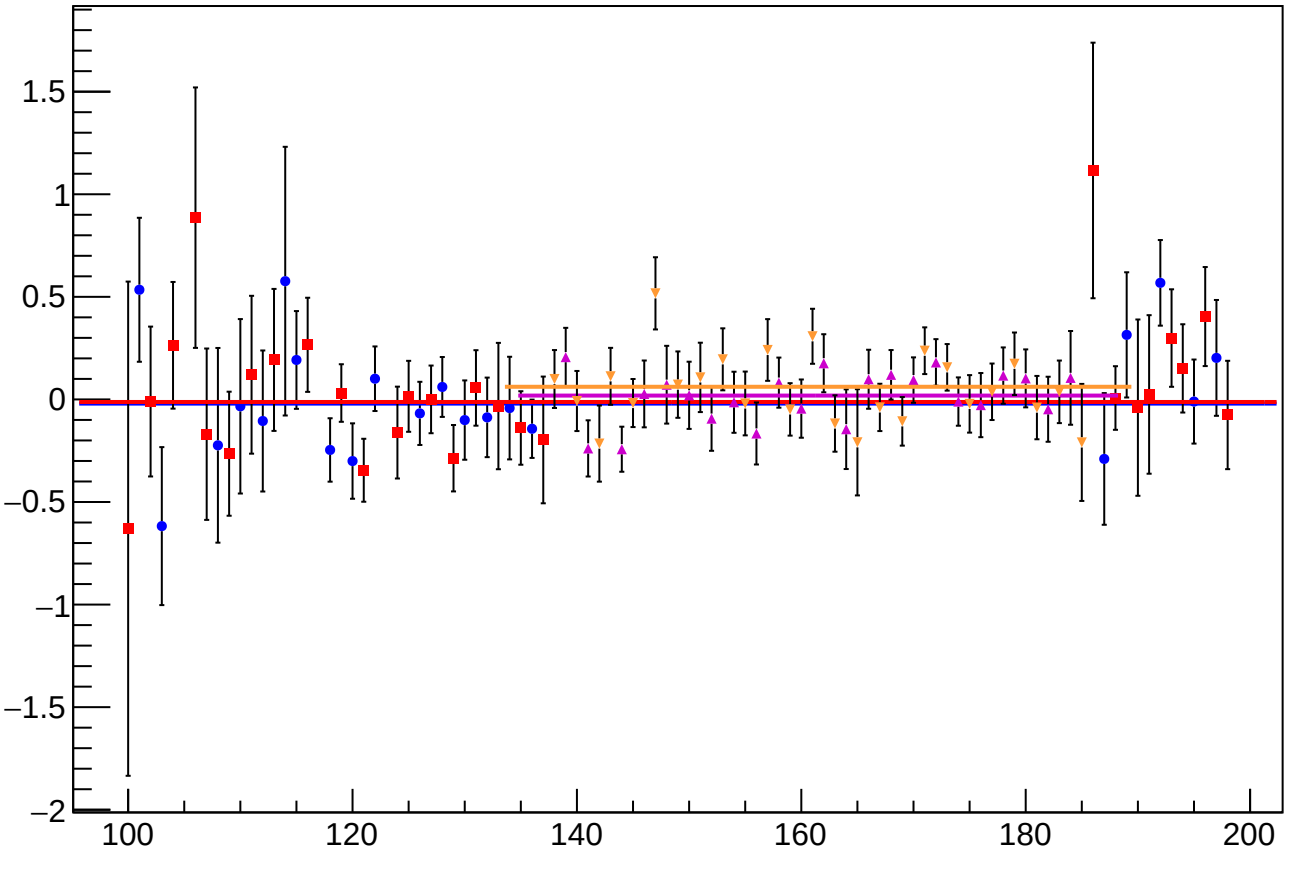
Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

Right: 0.007+/-0.000 χ^2/NDF: 12264374.0/47

In: 0.008+/-0.000 χ^2/NDF:7316344.8/43

Out: 0.007+/-0.000 χ^2/NDF:9597825.9/51

All: 0.007+/-0.000 χ^2/NDF: 17087618.6/95



Right In: -0.020+/-0.047 χ^2/NDF: 23.8/20

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.012+/-0.045 χ^2/NDF: 23.6/26

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

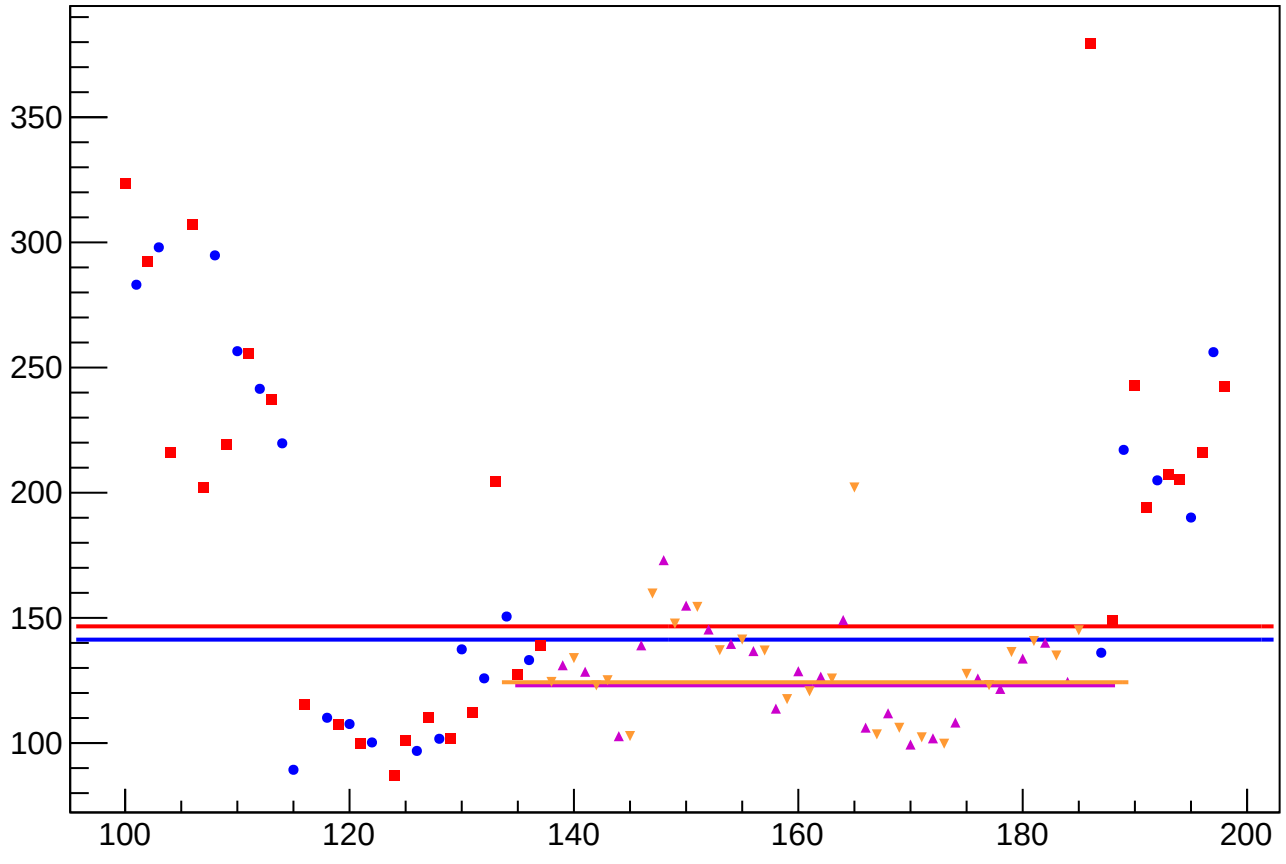
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.016+/-0.032 χ^2/NDF: 47.4/47

In: 0.008+/-0.025 χ^2/NDF:44.6/43

Out: 0.040+/-0.024 χ^2/NDF:53.0/51

All: 0.024+/-0.017 χ^2/NDF: 98.5/95



Right In: 141.315+/-0.033 χ^2/NDF: 2684152.8/20

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 146.615+/-0.032 χ^2/NDF: 3231465.0/26

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

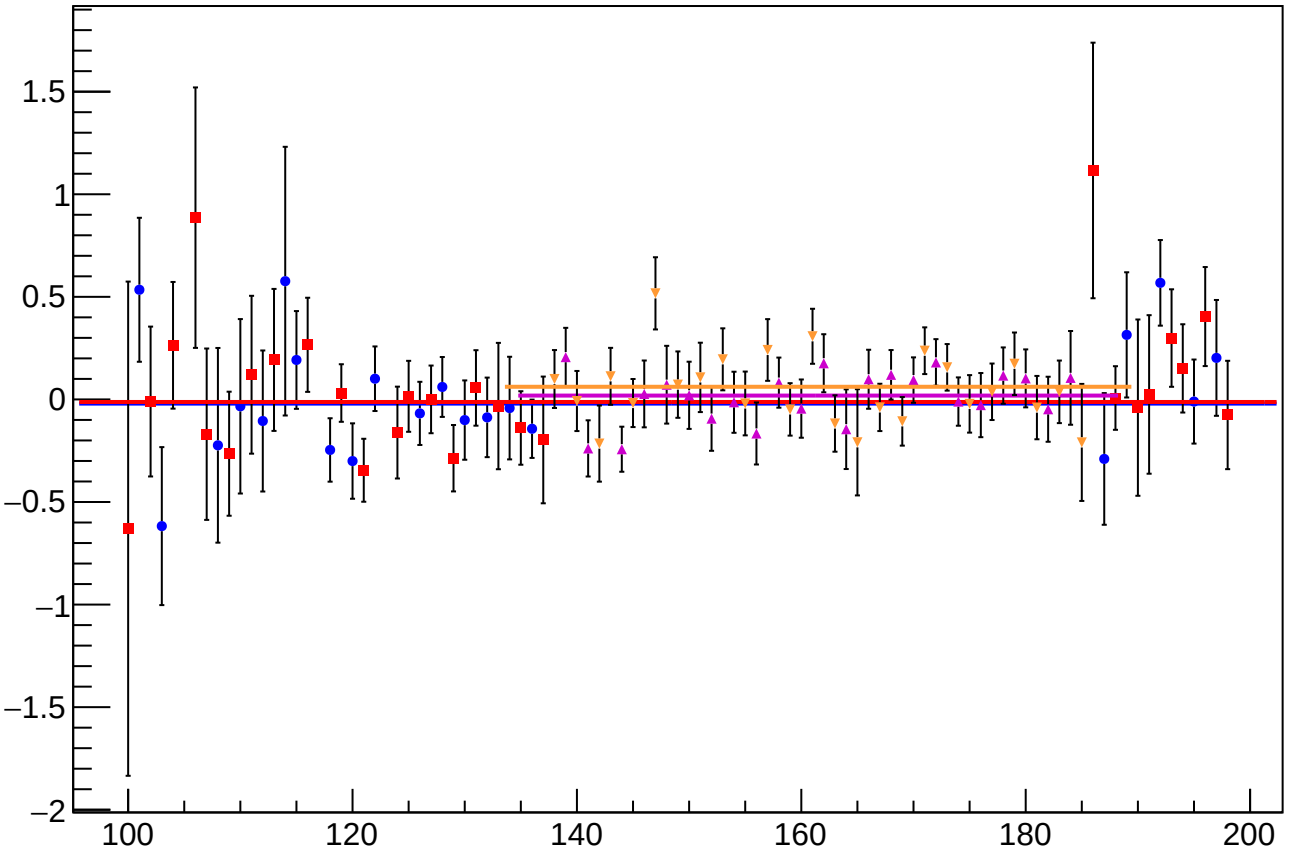
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 144.102+/-0.023 χ^2/NDF: 5928999.3/47

In: 128.180+/-0.018 χ^2/NDF:3620179.7/43

Out: 130.820+/-0.017 χ^2/NDF:4426802.1/51

All: 129.540+/-0.012 χ^2/NDF: 8058590.0/95



Right In: -0.020+/-0.047 χ^2/NDF: 23.8/20

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.012+/-0.045 χ^2/NDF: 23.6/26

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

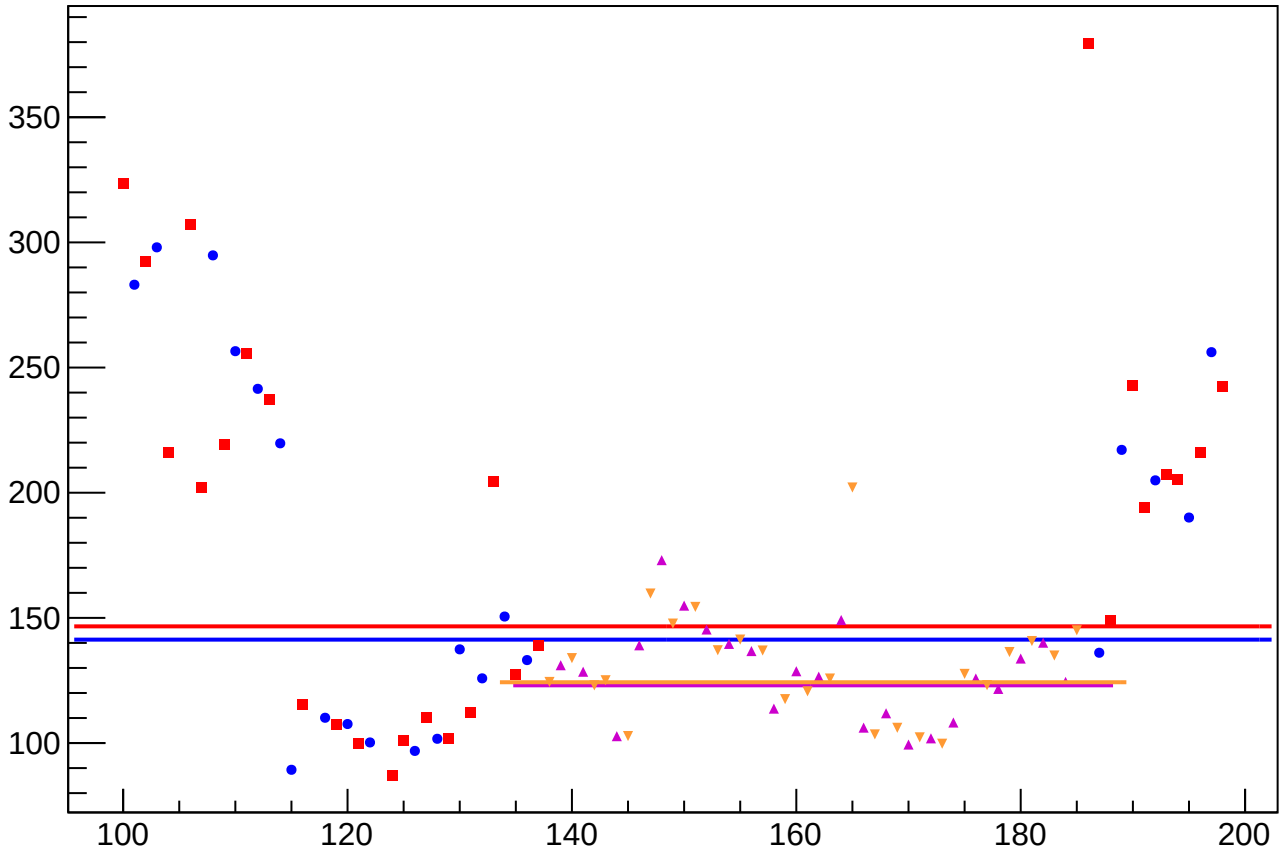
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.016+/-0.032 χ^2/NDF: 47.4/47

In: 0.008+/-0.025 χ^2/NDF:44.6/43

Out: 0.040+/-0.024 χ^2/NDF:53.0/51

All: 0.024+/-0.017 χ^2/NDF: 98.5/95



Right In: 141.315+/-0.033 χ^2/NDF: 2684152.8/20

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 146.615+/-0.032 χ^2/NDF: 3231465.0/26

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

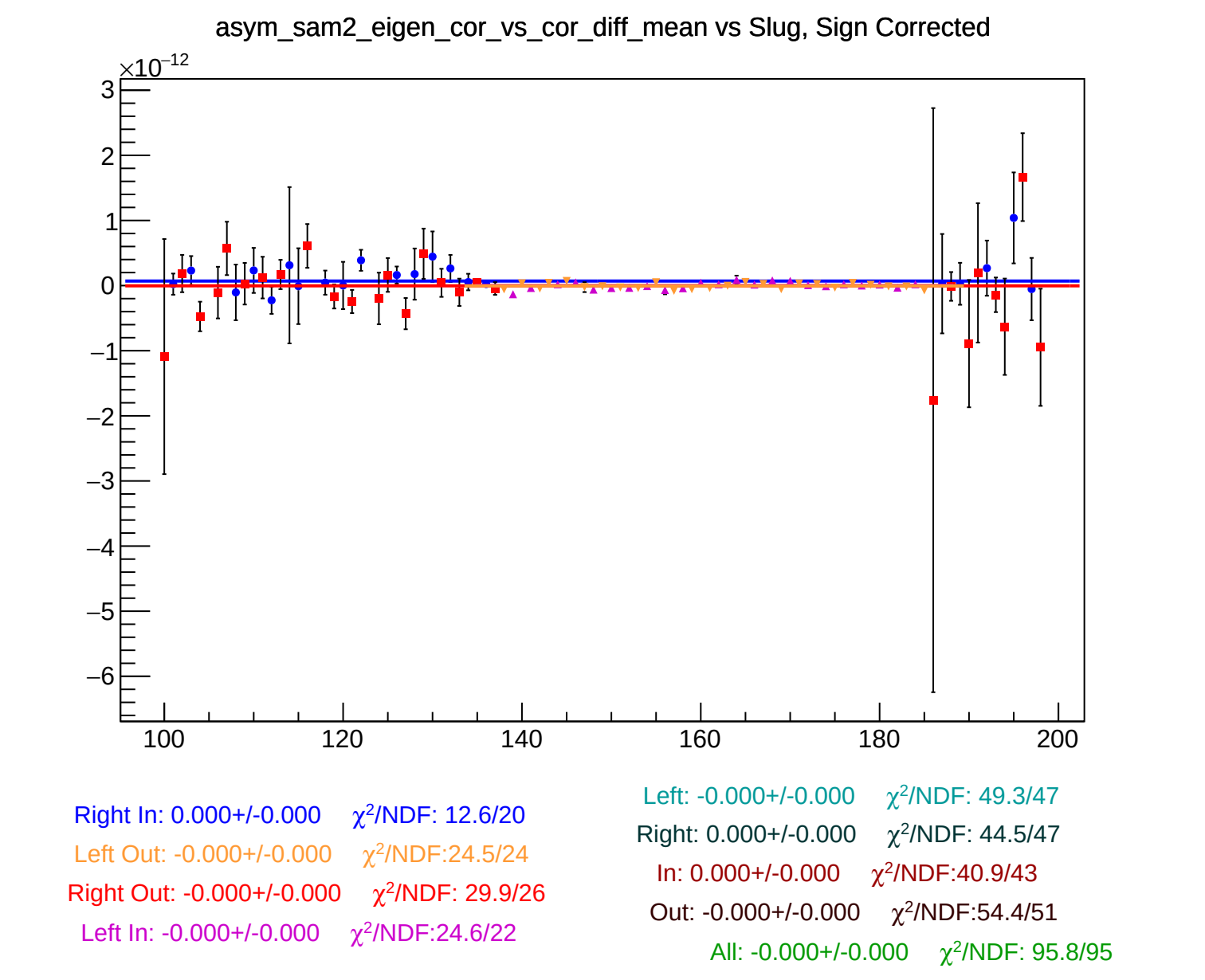
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 144.102+/-0.023 χ^2/NDF: 5928999.3/47

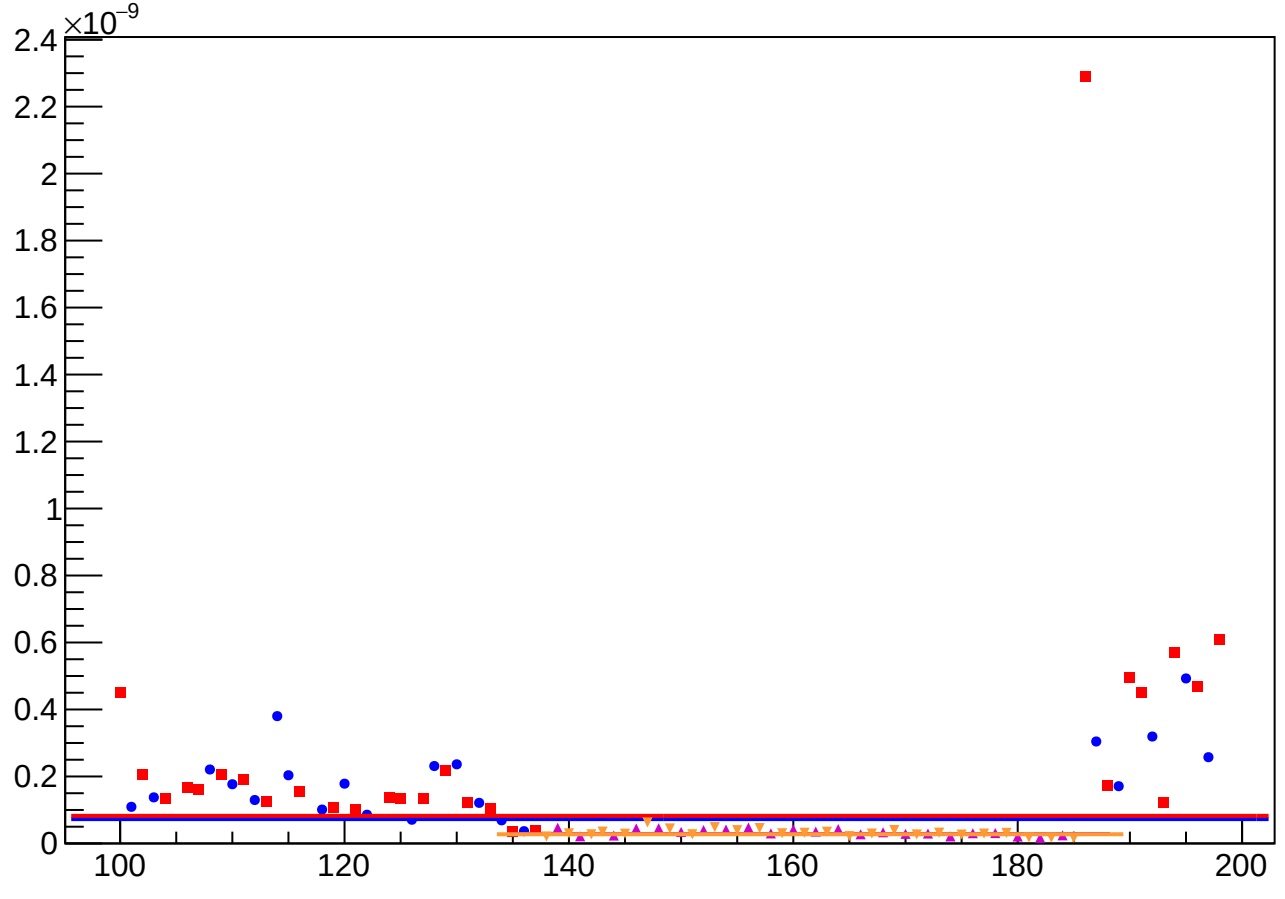
In: 128.180+/-0.018 χ^2/NDF:3620179.7/43

Out: 130.820+/-0.017 χ^2/NDF:4426802.1/51

All: 129.540+/-0.012 χ^2/NDF: 8058590.0/95


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: 12.6/20
Left Out: -0.000+/-0.000 χ²/NDF:24.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 29.9/26
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: 44.5/47
In: 0.000+/-0.000 χ²/NDF:40.9/43
Out: -0.000+/-0.000 χ²/NDF:54.4/51
All: -0.000+/-0.000 χ²/NDF: 95.8/95

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5300164.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7417665.3/26

Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

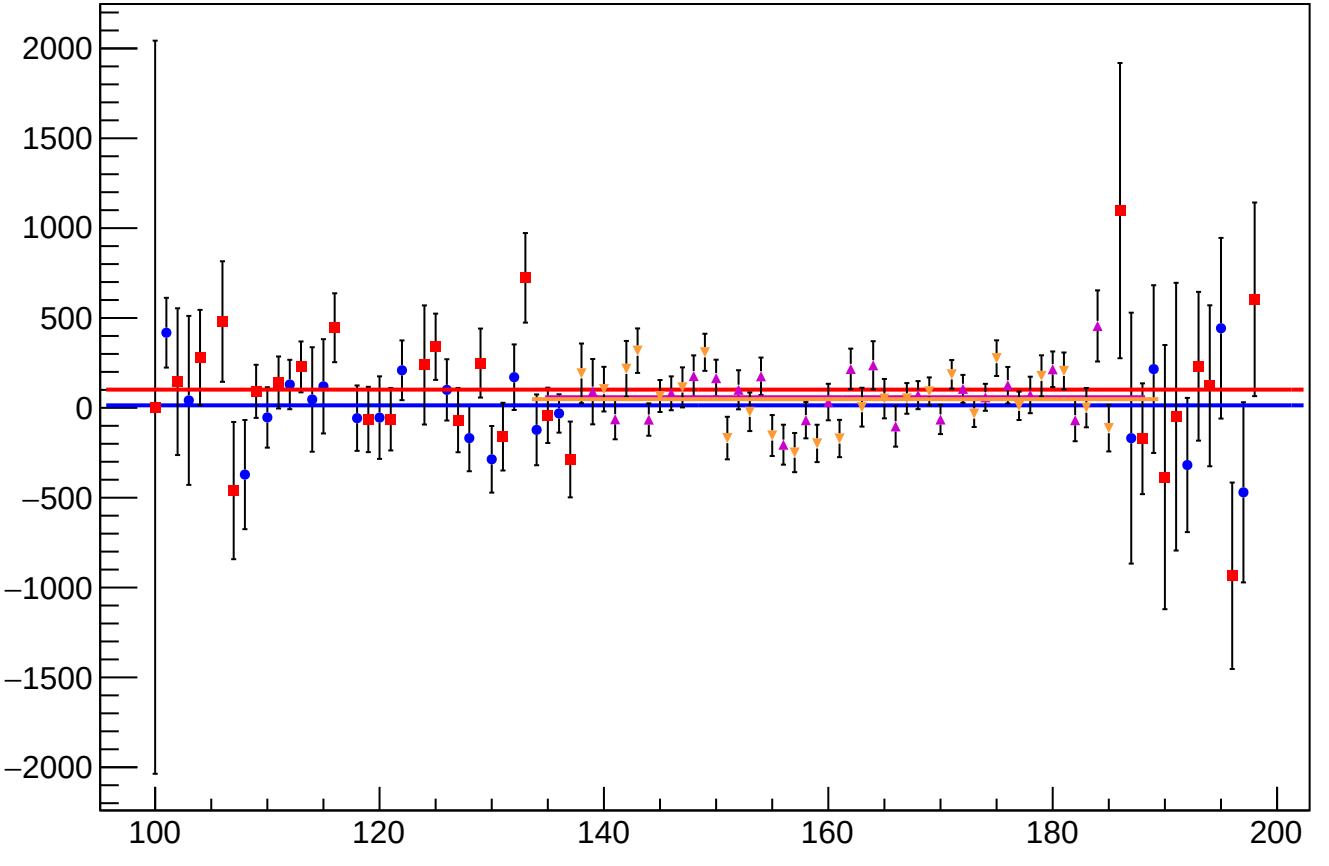
Right: 0.000+/-0.000 χ^2/NDF: 12787168.2/47

In: 0.000+/-0.000 χ^2/NDF:10454207.8/43

Out: 0.000+/-0.000 χ^2/NDF:13789486.9/51

All: 0.000+/-0.000 χ^2/NDF: 24252926.3/95

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 13.904+/-44.700 χ^2/NDF: 16.6/20

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: 101.402+/-44.287 χ^2/NDF: 33.2/26

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

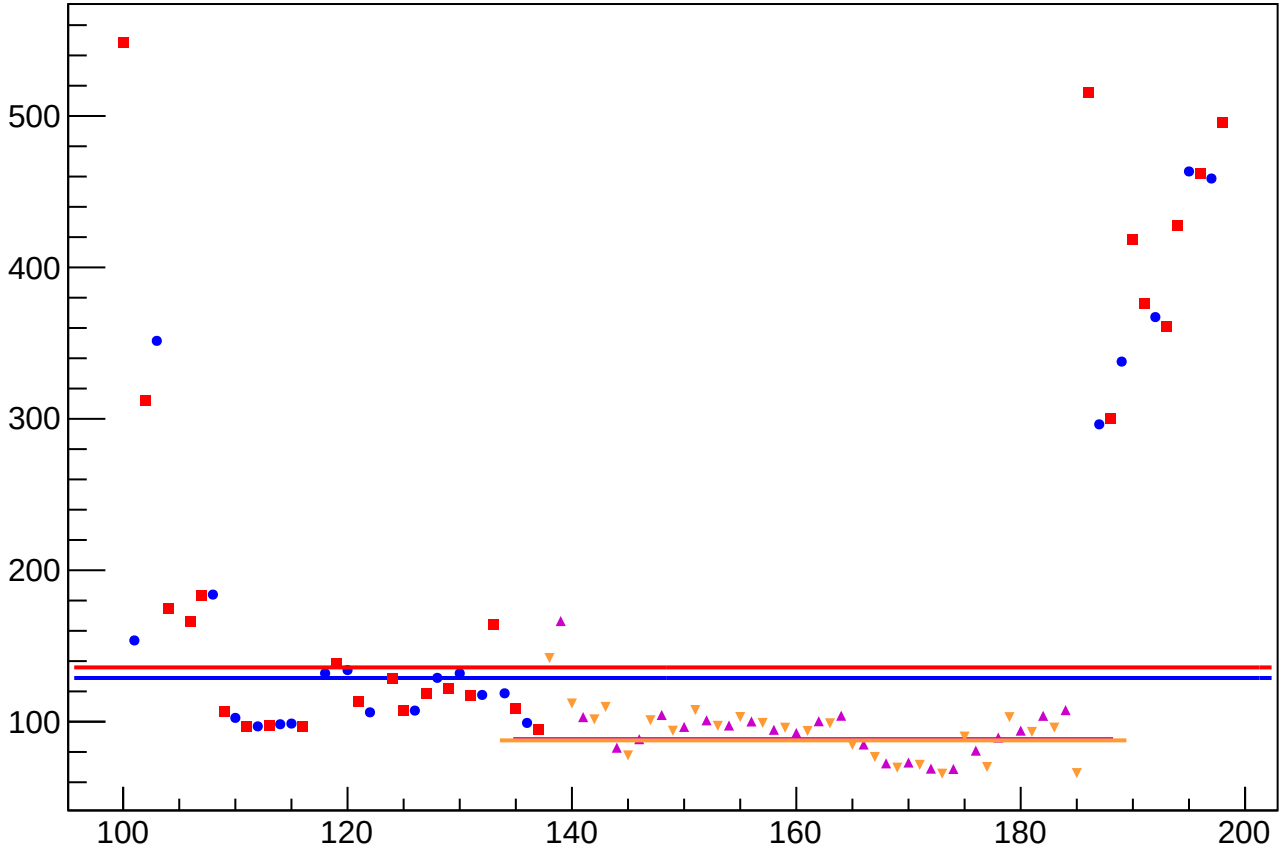
Right: 58.059+/-31.461 χ^2/NDF: 51.7/47

In: 50.758+/-19.122 χ^2/NDF:48.0/43

Out: 57.688+/-18.546 χ^2/NDF:87.9/51

All: 54.329+/-13.313 χ^2/NDF: 136.0/95

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 128.862+/-0.032 χ^2/NDF: 4074063.3/20

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 135.842+/-0.031 χ^2/NDF: 5915435.1/26

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

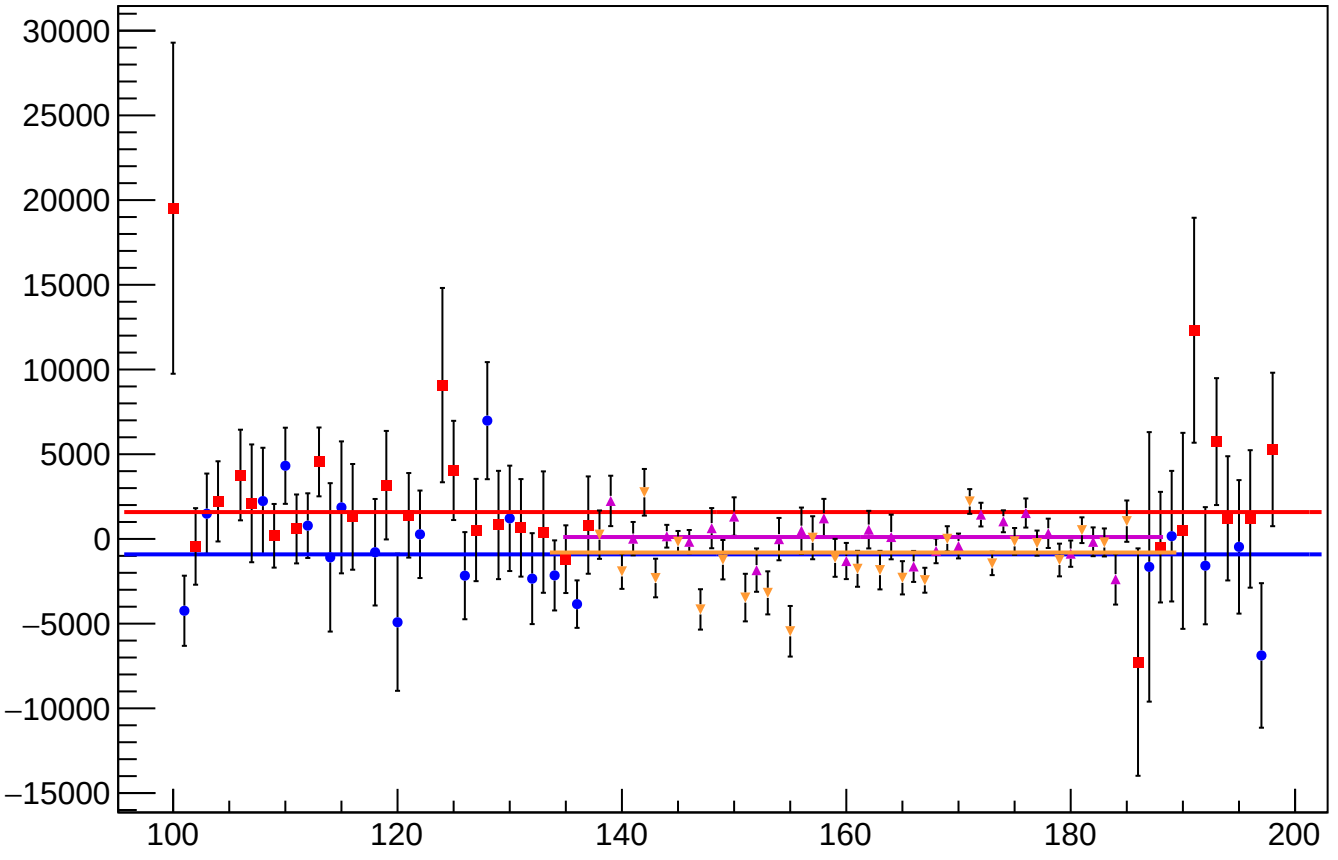
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 132.384+/-0.022 χ^2/NDF: 10014109.0/47

In: 95.872+/-0.014 χ^2/NDF:6483128.9/43

Out: 96.106+/-0.013 χ^2/NDF:9081160.0/51

All: 95.993+/-0.009 χ^2/NDF: 15564442.9/95



Right In: -911.003+/-585.065 χ^2/NDF: 25.6/20

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: 1585.585+/-569.417 χ^2/NDF: 19.6/26

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

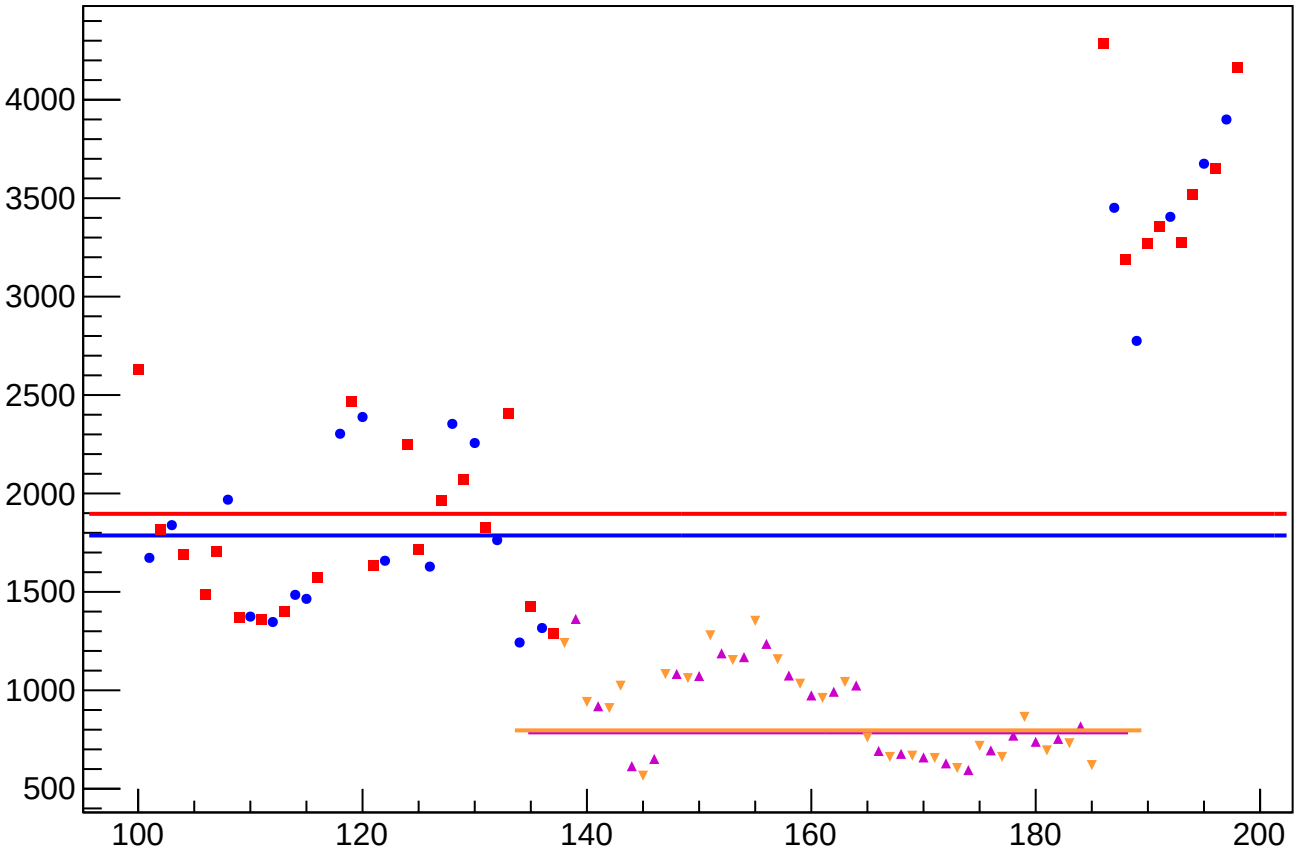
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 371.125+/-408.059 χ^2/NDF: 54.6/47

In: 14.591+/-180.942 χ^2/NDF:55.4/43

Out: -567.423+/-178.312 χ^2/NDF:107.4/51

All: -280.676+/-127.005 χ^2/NDF: 168.0/95



Right In: 1786.608+/-0.414 χ^2/NDF: 2391470.3/20

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1896.537+/-0.403 χ^2/NDF: 3185735.8/26

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

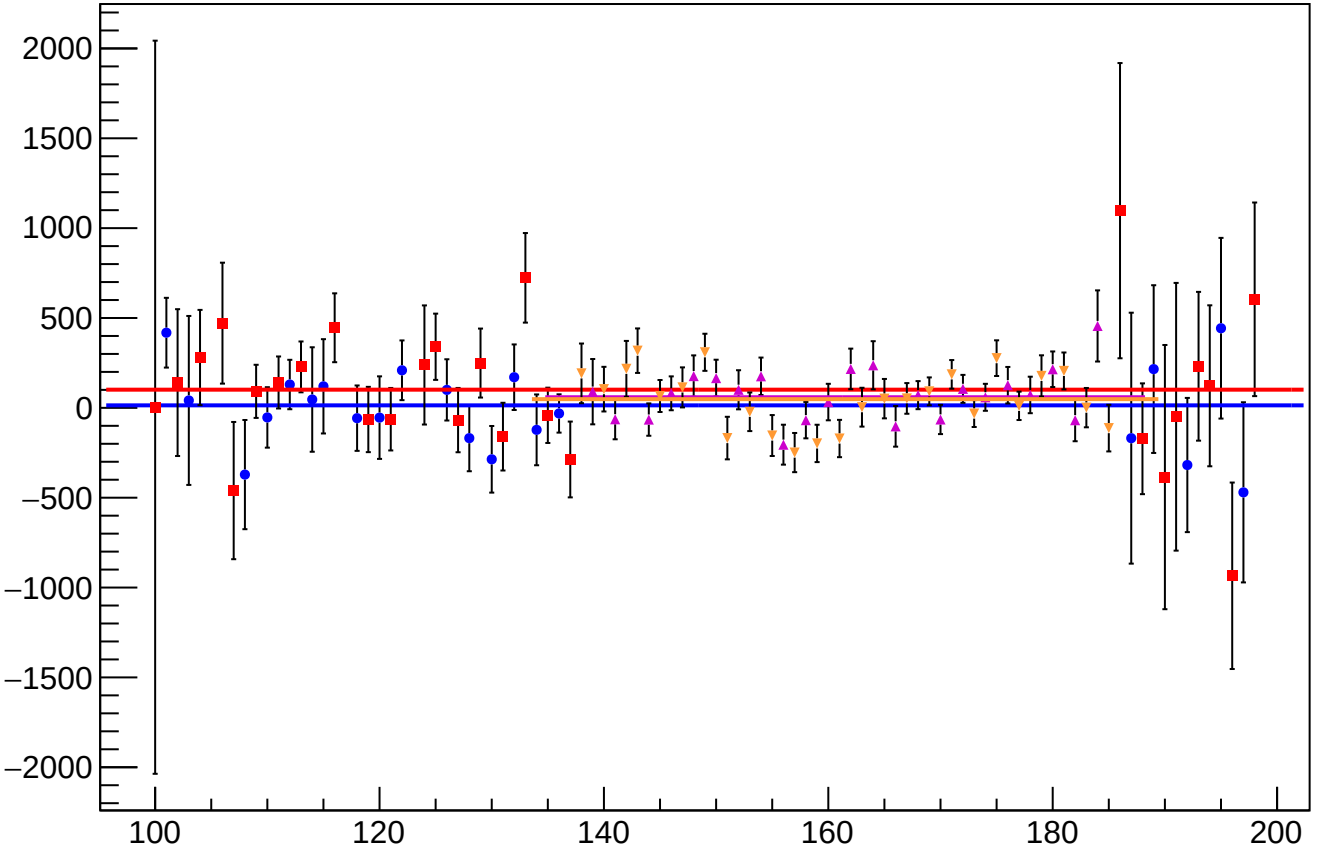
Right: 1843.062+/-0.289 χ^2/NDF: 5613465.8/47

In: 882.008+/-0.128 χ^2/NDF:9834893.6/43

Out: 904.393+/-0.126 χ^2/NDF:12335577.2/51

All: 893.364+/-0.090 χ^2/NDF: 22186000.1/95

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 13.891+/-44.700 χ^2/NDF: 16.6/20

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 101.133+/-44.290 χ^2/NDF: 33.1/26

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

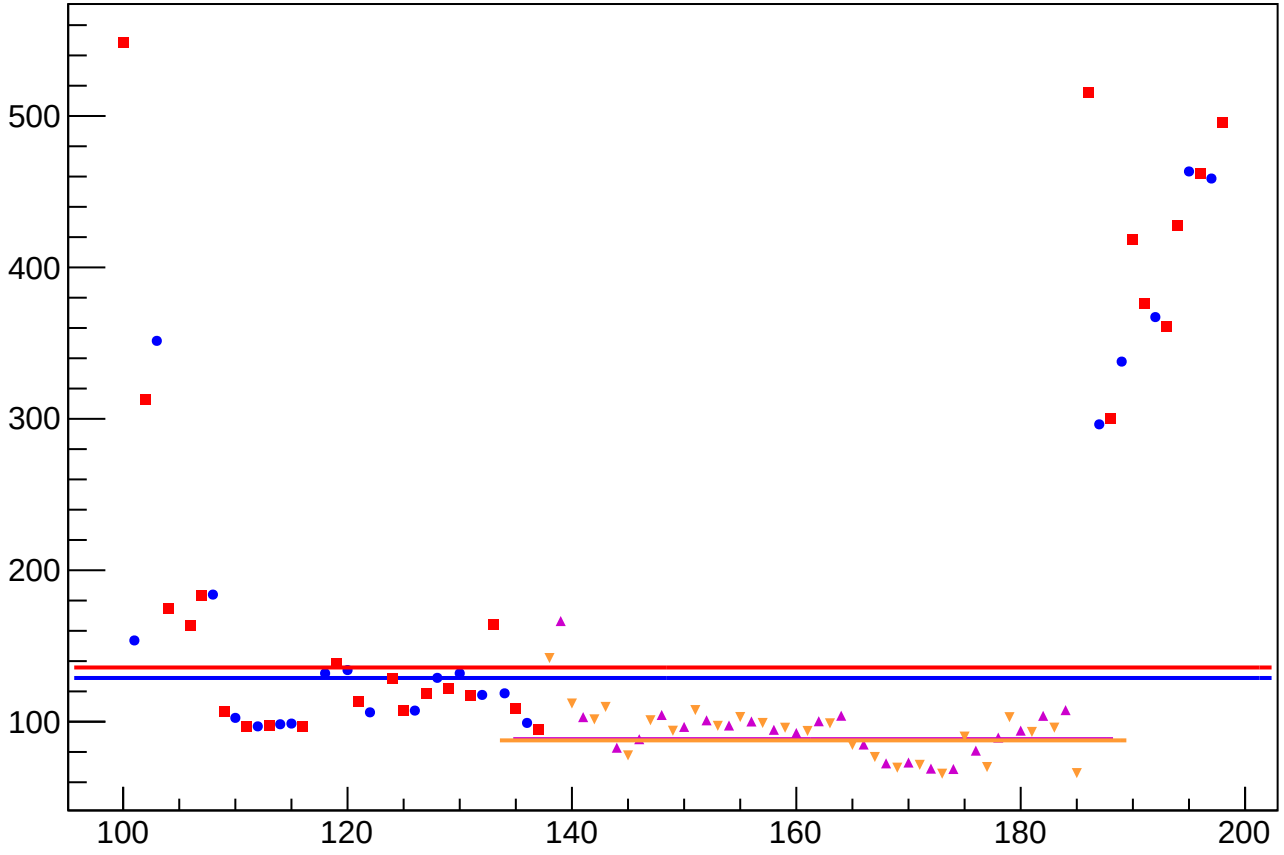
Right: 57.914+/-31.462 χ^2/NDF: 51.6/47

In: 50.758+/-19.122 χ^2/NDF:48.0/43

Out: 57.646+/-18.546 χ^2/NDF:87.9/51

All: 54.307+/-13.313 χ^2/NDF: 135.9/95

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 128.862+/-0.032 χ^2/NDF: 4074065.6/20

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 135.796+/-0.031 χ^2/NDF: 5912956.1/26

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

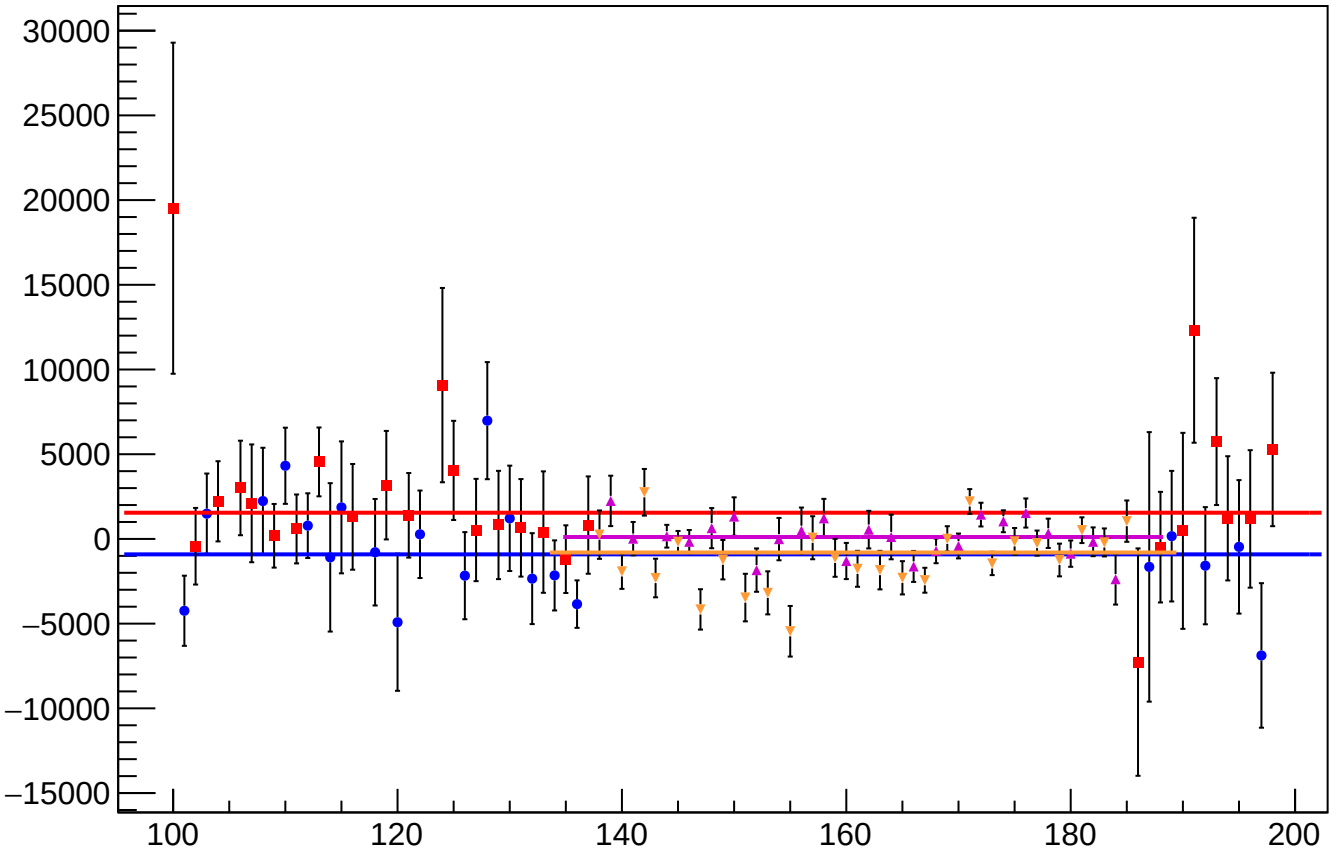
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 132.361+/-0.022 χ^2/NDF: 10011306.2/47

In: 95.872+/-0.014 χ^2/NDF:6483130.5/43

Out: 96.097+/-0.013 χ^2/NDF:9074742.4/51

All: 95.988+/-0.009 χ^2/NDF: 15558015.4/95



Right In: -910.992+/-585.069 χ^2/NDF: 25.6/20

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1546.737+/-570.494 χ^2/NDF: 19.2/26

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

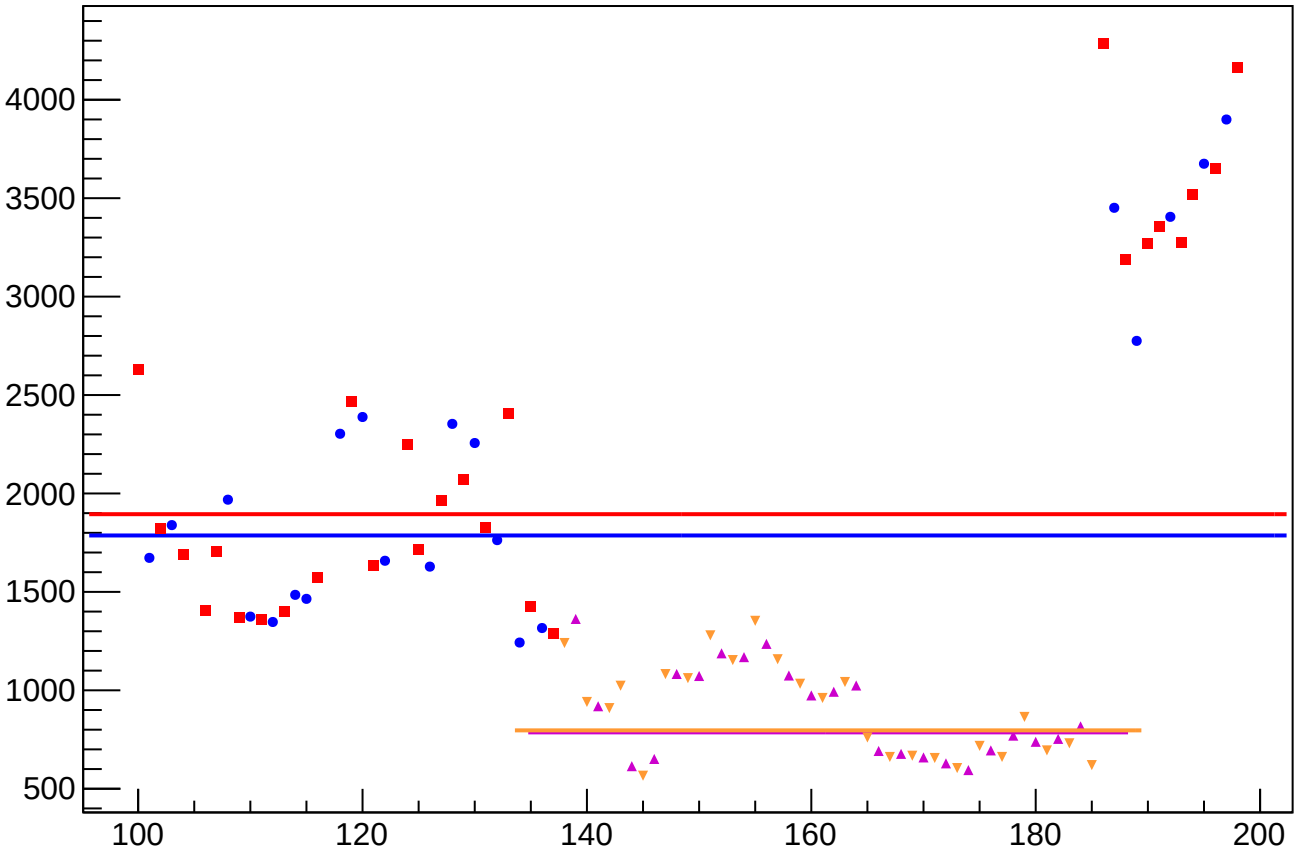
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 348.866+/-408.456 χ^2/NDF: 53.8/47

In: 14.594+/-180.942 χ^2/NDF:55.4/43

Out: -572.011+/-178.345 χ^2/NDF:106.4/51

All: -282.948+/-127.017 χ^2/NDF: 167.1/95



Right In: 1786.619+/-0.414 χ^2/NDF: 2391479.1/20

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1894.757+/-0.403 χ^2/NDF: 3200566.1/26

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

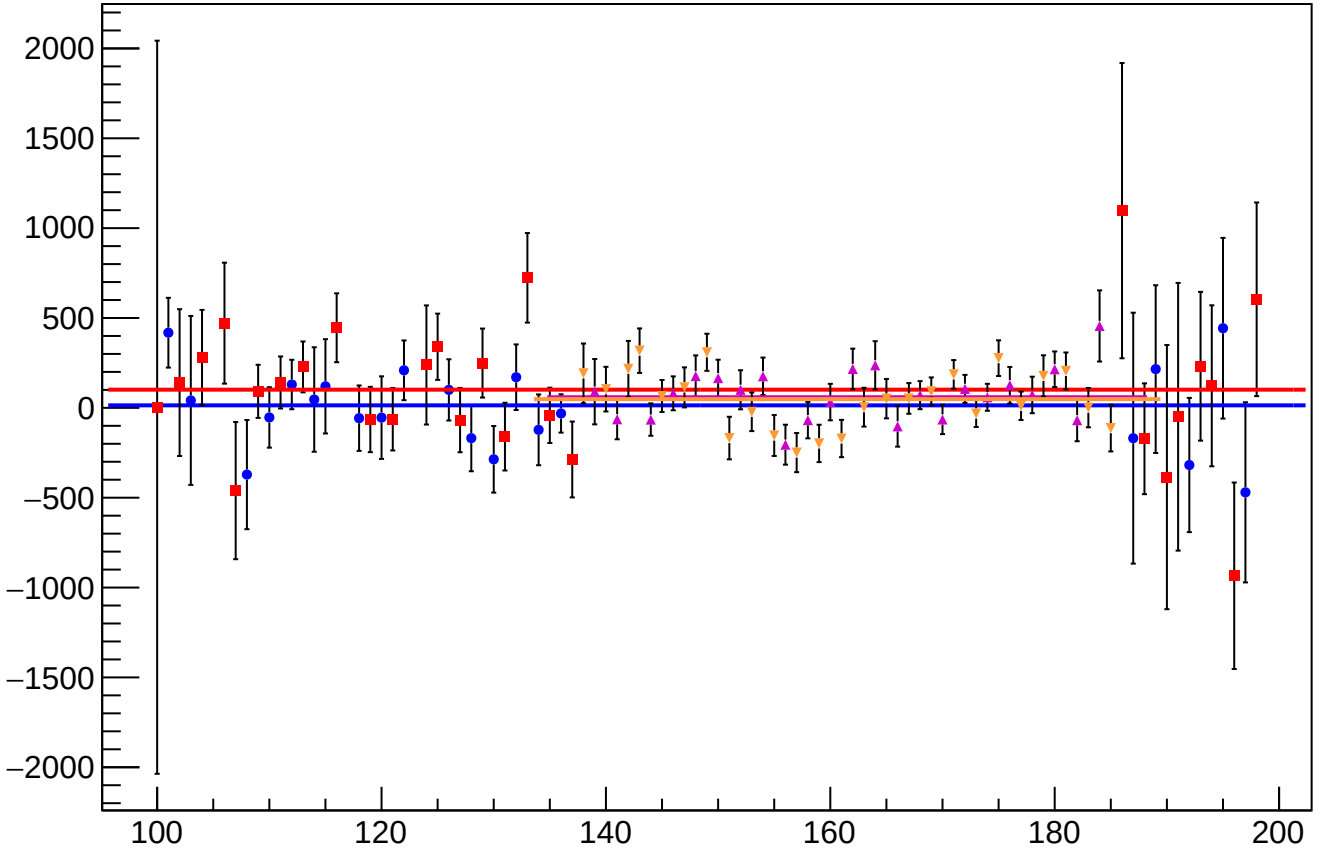
Right: 1842.052+/-0.289 χ^2/NDF: 5627068.9/47

In: 882.008+/-0.128 χ^2/NDF:9834949.6/43

Out: 903.852+/-0.126 χ^2/NDF:12305789.3/51

All: 893.088+/-0.090 χ^2/NDF: 22155523.3/95

eigen_cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 13.891+/-44.700 χ^2/NDF: 16.6/20

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 101.133+/-44.290 χ^2/NDF: 33.1/26

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

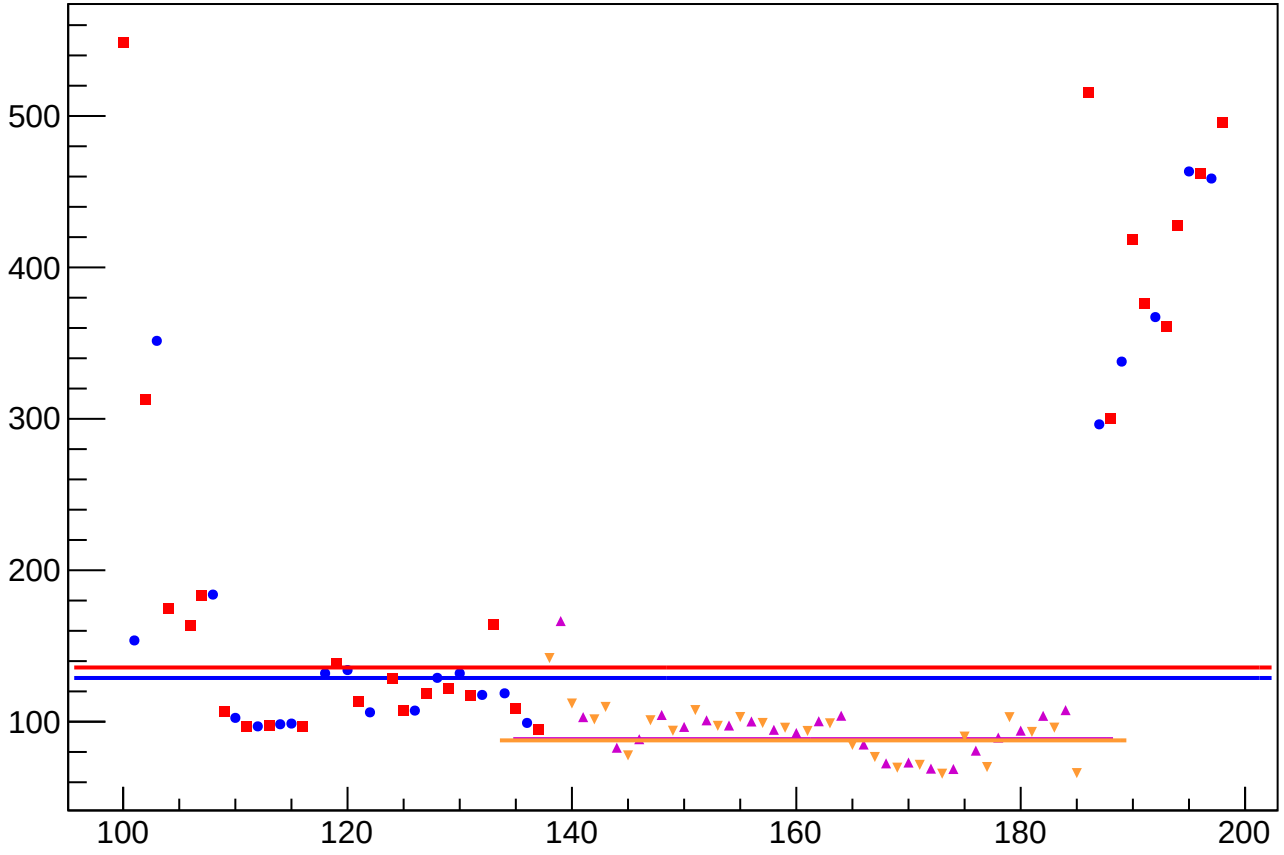
Right: 57.914+/-31.462 χ^2/NDF: 51.6/47

In: 50.758+/-19.122 χ^2/NDF:48.0/43

Out: 57.646+/-18.546 χ^2/NDF:87.9/51

All: 54.307+/-13.313 χ^2/NDF: 135.9/95

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 128.862+/-0.032 χ^2/NDF: 4074065.6/20

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 135.796+/-0.031 χ^2/NDF: 5912956.1/26

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

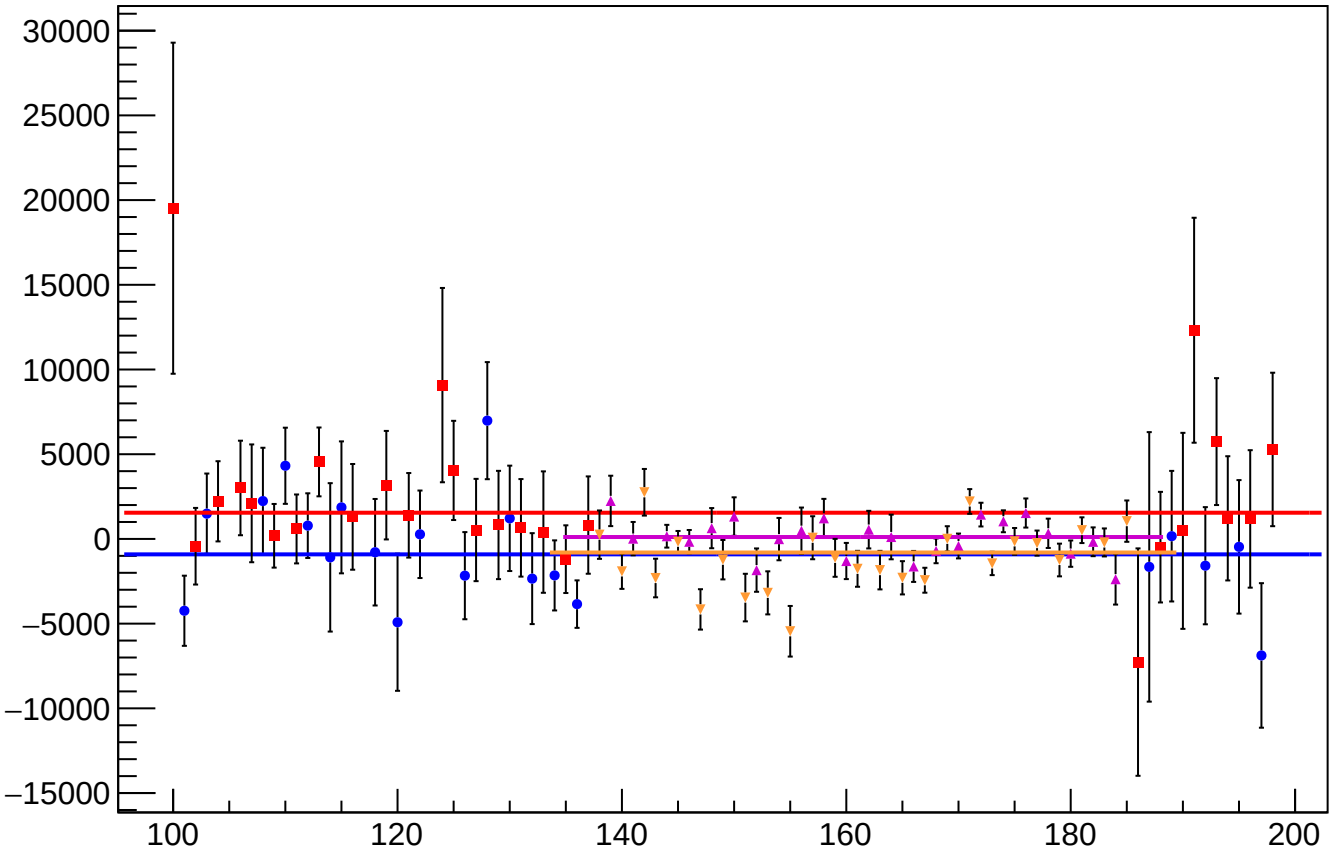
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 132.361+/-0.022 χ^2/NDF: 10011306.2/47

In: 95.872+/-0.014 χ^2/NDF:6483130.5/43

Out: 96.097+/-0.013 χ^2/NDF:9074742.4/51

All: 95.988+/-0.009 χ^2/NDF: 15558015.4/95



Right In: -910.992+/-585.069 χ^2/NDF: 25.6/20

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1546.737+/-570.494 χ^2/NDF: 19.2/26

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

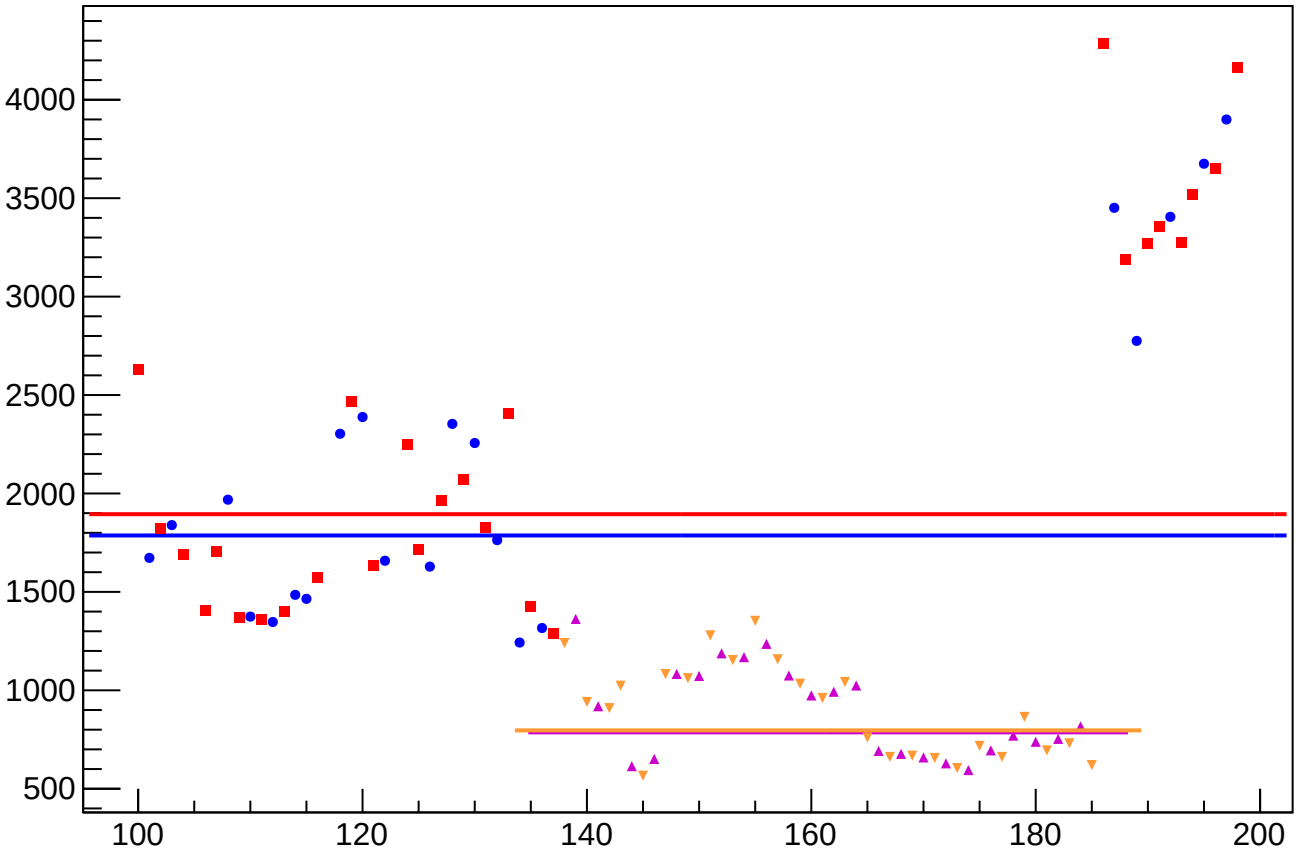
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 348.866+/-408.456 χ^2/NDF: 53.8/47

In: 14.594+/-180.942 χ^2/NDF:55.4/43

Out: -572.011+/-178.345 χ^2/NDF:106.4/51

All: -282.948+/-127.017 χ^2/NDF: 167.1/95



Right In: 1786.619+/-0.414 χ^2/NDF: 2391479.1/20

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1894.757+/-0.403 χ^2/NDF: 3200566.1/26

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

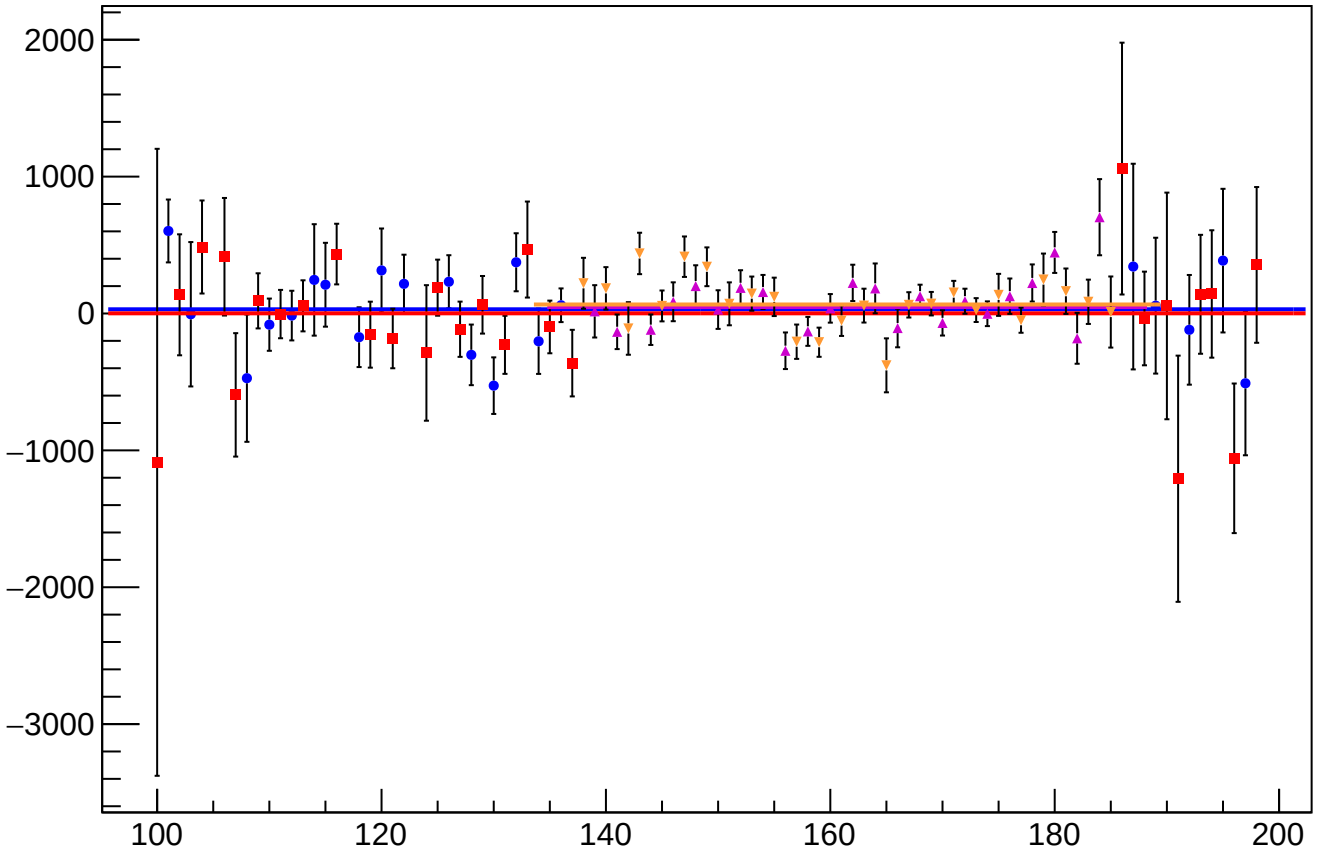
Right: 1842.052+/-0.289 χ^2/NDF: 5627068.9/47

In: 882.008+/-0.128 χ^2/NDF:9834949.6/43

Out: 903.852+/-0.126 χ^2/NDF:12305789.3/51

All: 893.088+/-0.090 χ^2/NDF: 22155523.3/95

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 30.654+/-53.376 χ^2/NDF: 27.0/20

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: 1.226+/-53.712 χ^2/NDF: 24.8/26

Left In: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

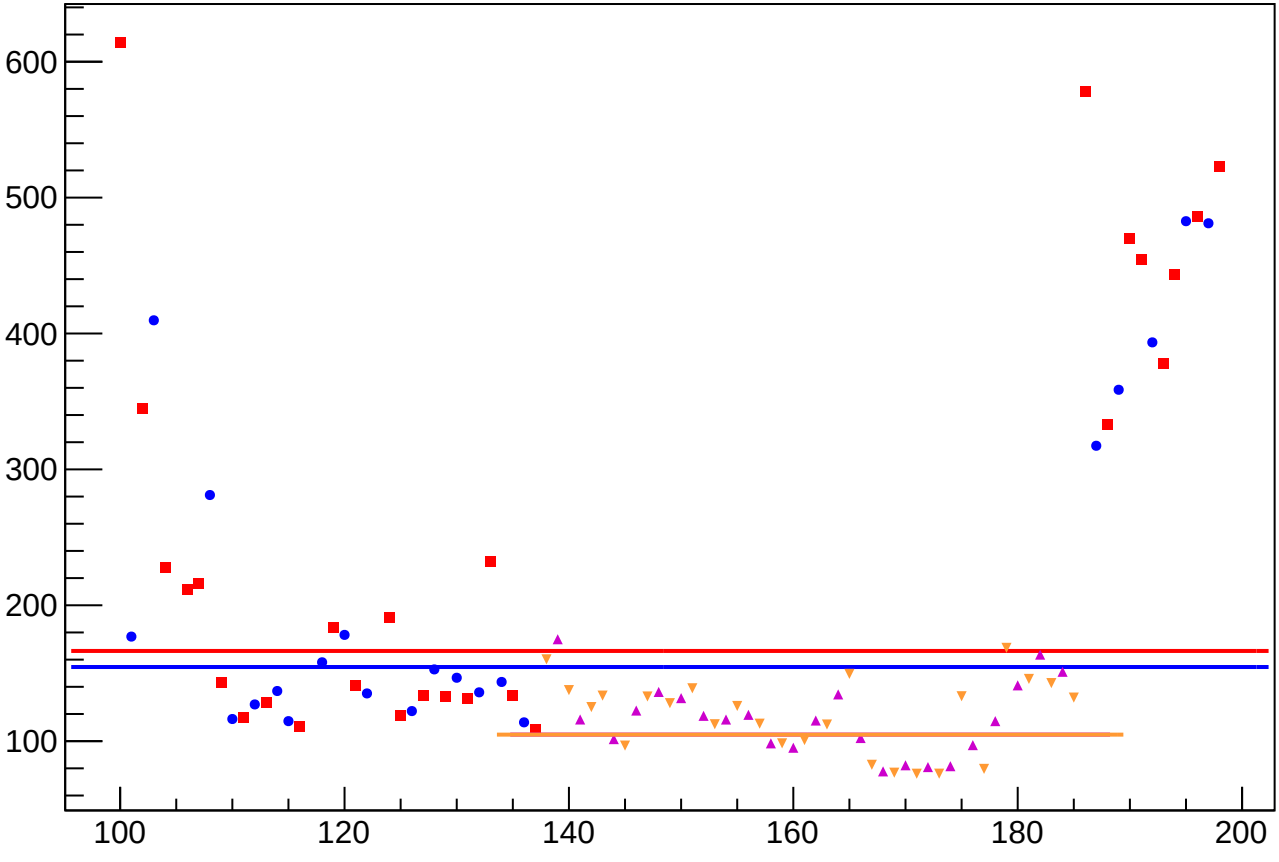
Right: 16.032+/-37.861 χ^2/NDF: 52.0/47

In: 43.956+/-23.153 χ^2/NDF:65.7/43

Out: 54.176+/-22.709 χ^2/NDF:66.0/51

All: 49.165+/-16.212 χ^2/NDF: 131.8/95

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 154.568+/-0.038 χ^2/NDF: 3821233.7/20

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 166.389+/-0.038 χ^2/NDF: 5452994.2/26

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

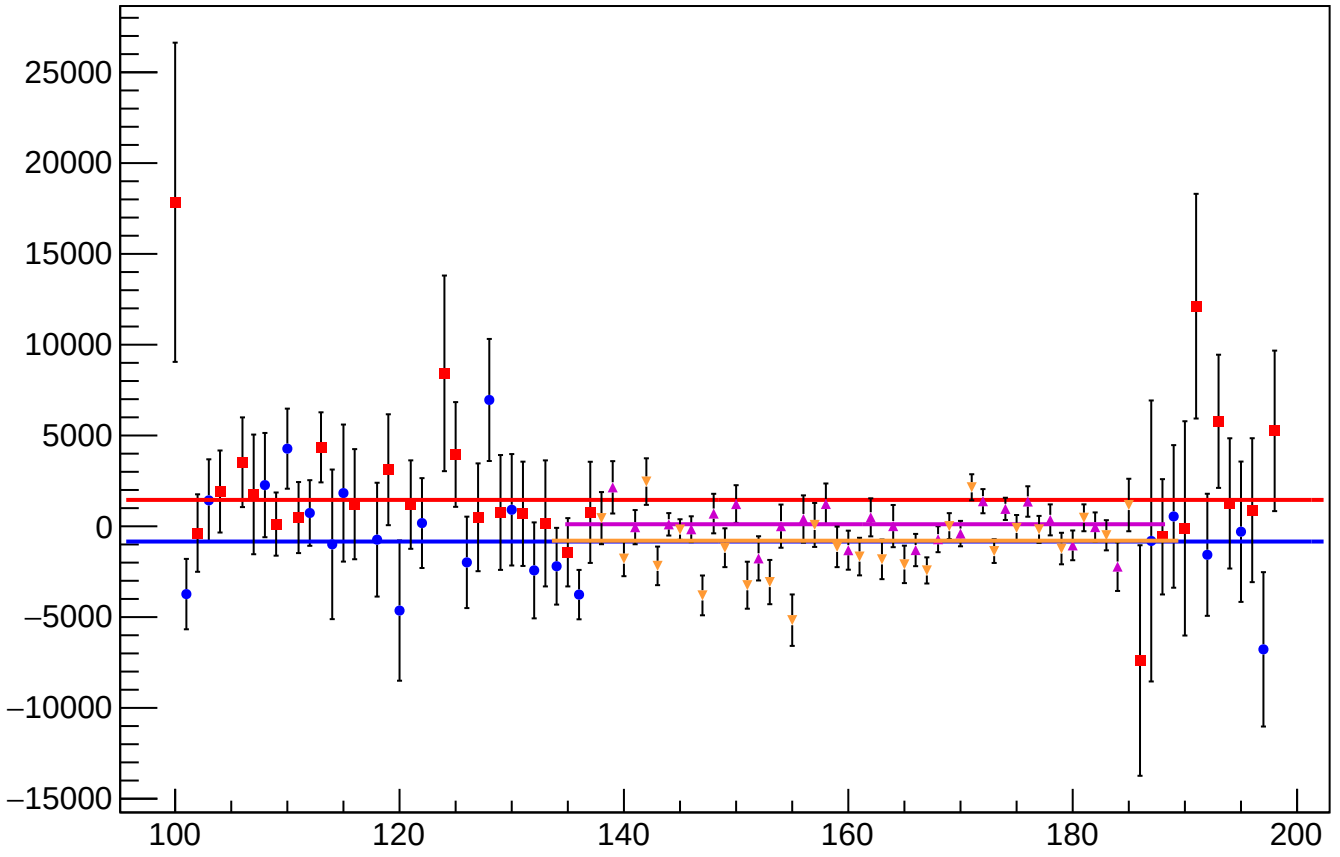
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 160.441+/-0.027 χ^2/NDF: 9322964.3/47

In: 114.192+/-0.016 χ^2/NDF:6845343.8/43

Out: 115.818+/-0.016 χ^2/NDF:9854648.6/51

All: 115.021+/-0.011 χ^2/NDF: 16705017.7/95



Right In: -839.389+/-567.099 χ^2/NDF: 25.6/20

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: 1453.336+/-545.554 χ^2/NDF: 21.1/26

Left In: 113.680+/-183.126 χ^2/NDF:26.3/22

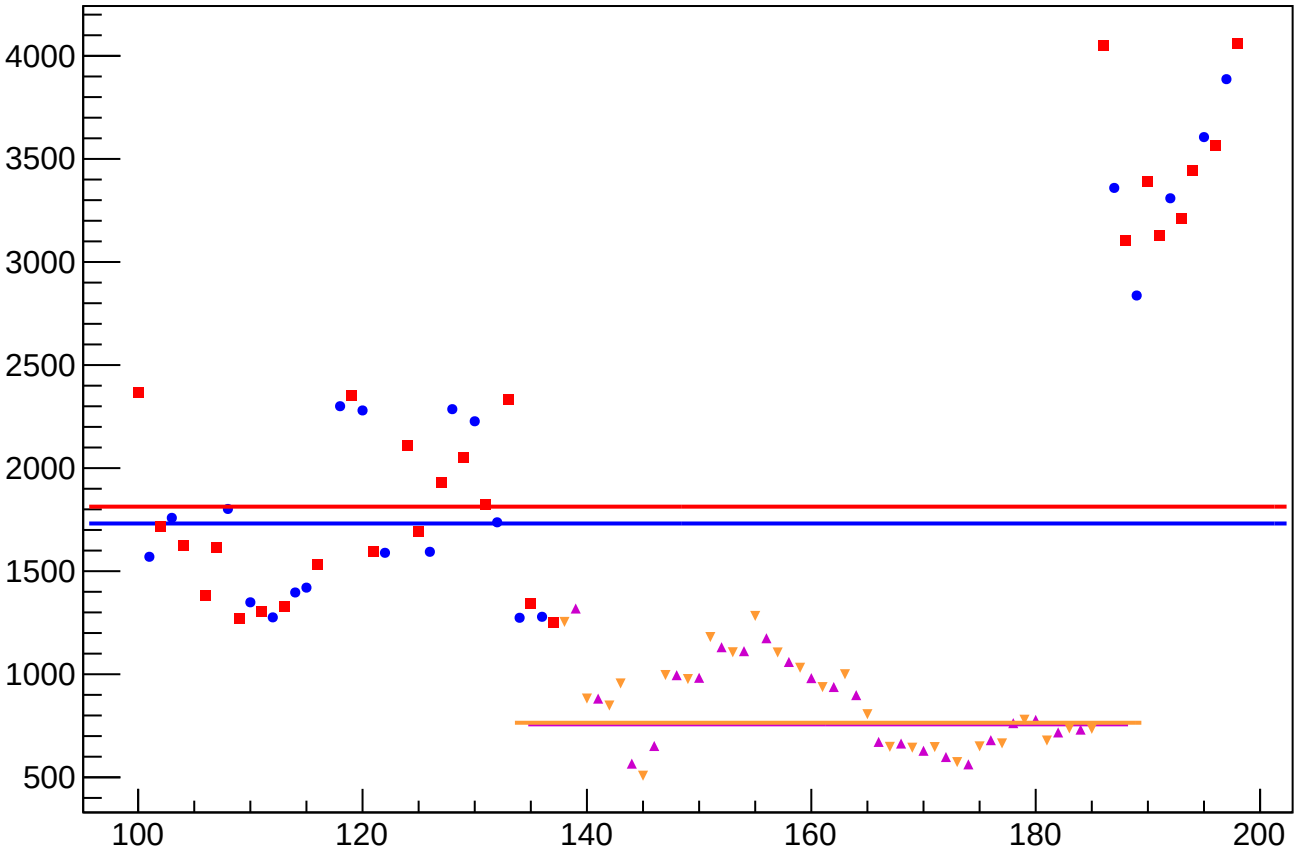
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 351.353+/-393.161 χ^2/NDF: 55.2/47

In: 23.683+/-174.265 χ^2/NDF:54.5/43

Out: -572.762+/-170.848 χ^2/NDF:106.4/51

All: -280.445+/-121.998 χ^2/NDF: 166.9/95



Right In: 1731.383+/-0.401 χ^2/NDF: 2443480.7/20

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1813.106+/-0.386 χ^2/NDF: 3344989.9/26

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

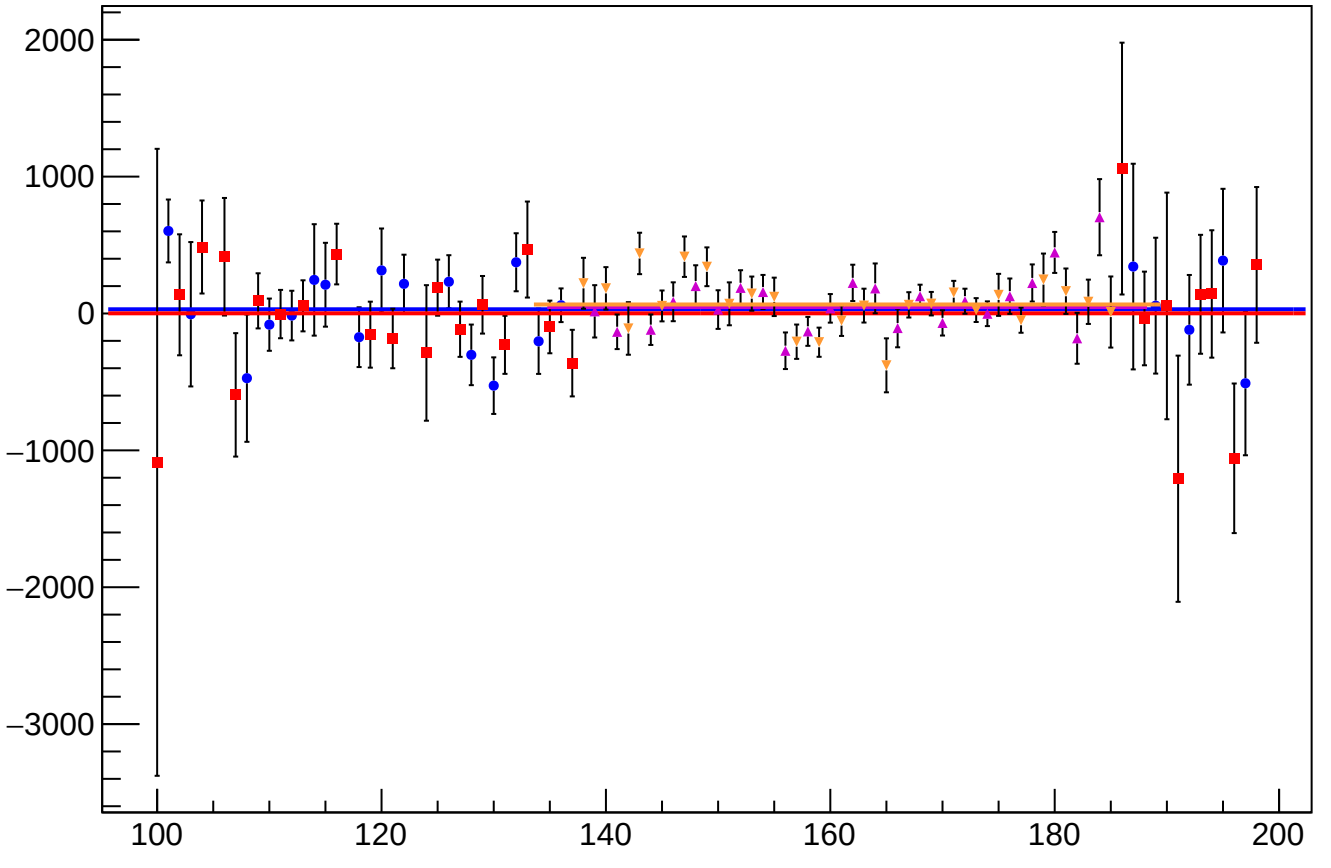
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 1773.826+/-0.278 χ^2/NDF: 5810041.3/47

In: 848.943+/-0.123 χ^2/NDF:9906367.6/43

Out: 867.549+/-0.121 χ^2/NDF:12431826.1/51

All: 858.430+/-0.086 χ^2/NDF: 22349819.5/95



Right In: 30.653+/-53.377 χ^2/NDF: 27.0/20

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: 1.222+/-53.712 χ^2/NDF: 24.8/26

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

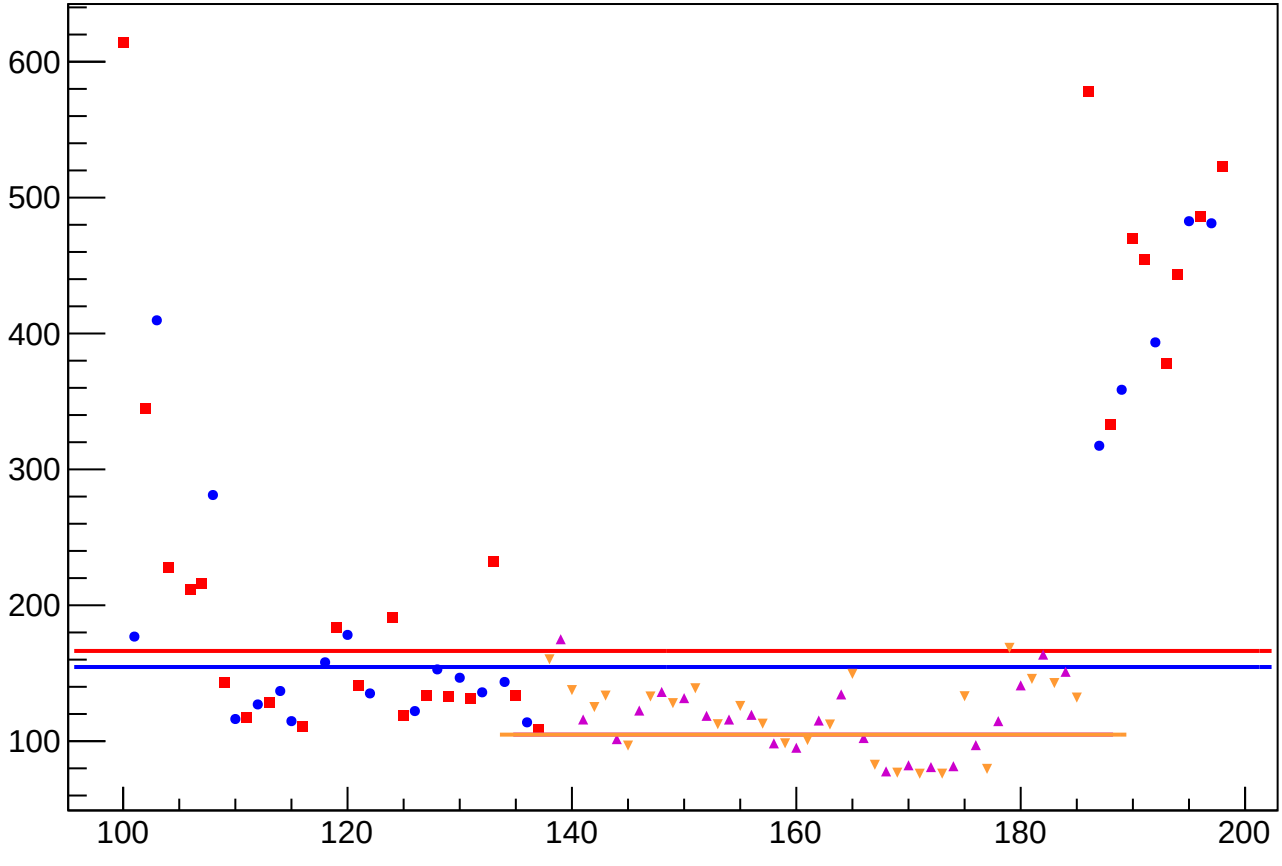
Right: 16.030+/-37.861 χ^2/NDF: 52.0/47

In: 43.955+/-23.153 χ^2/NDF:65.7/43

Out: 54.176+/-22.709 χ^2/NDF:66.0/51

All: 49.164+/-16.213 χ^2/NDF: 131.8/95

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 154.569+/-0.038 χ^2/NDF: 3821233.7/20

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 166.390+/-0.038 χ^2/NDF: 5452989.0/26

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

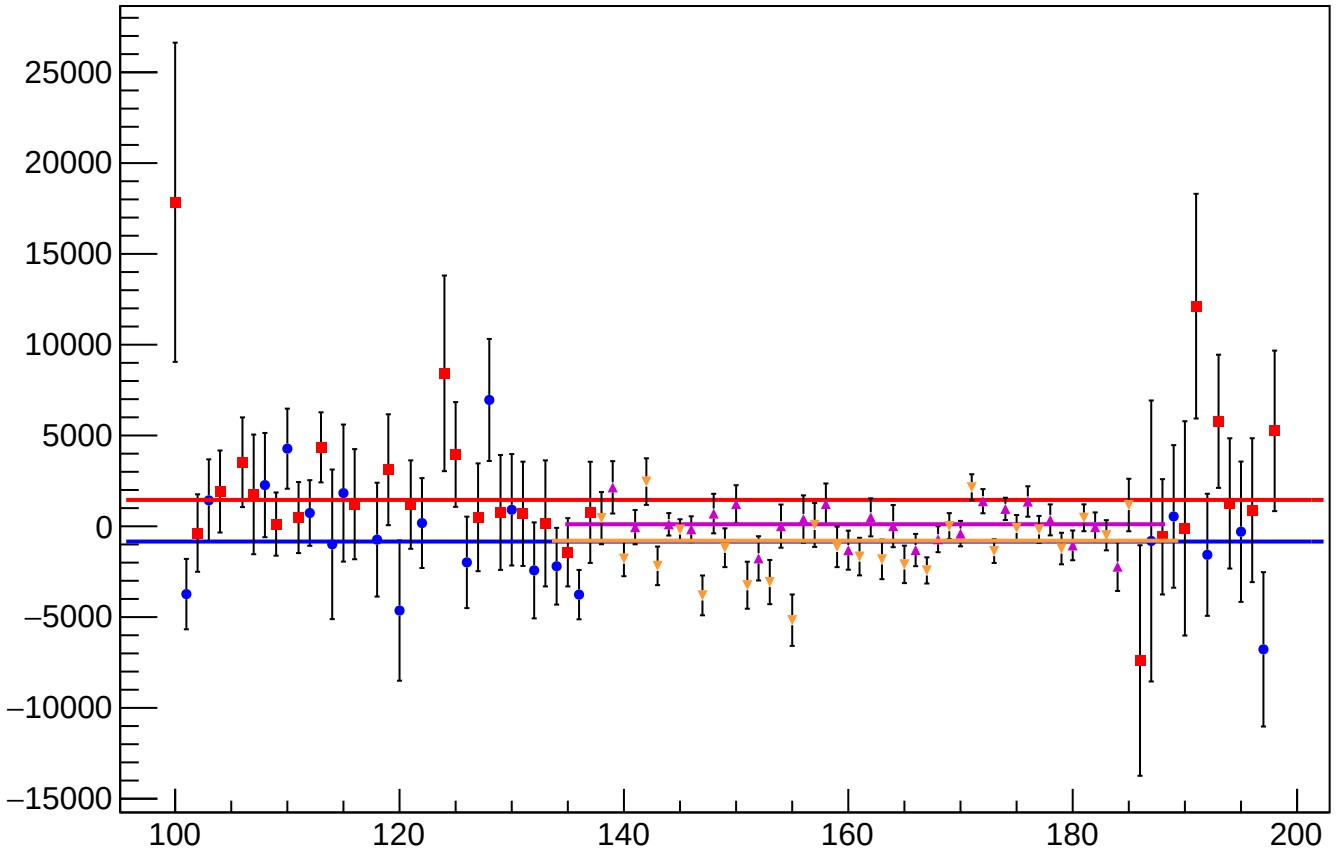
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 160.442+/-0.027 χ^2/NDF: 9322961.0/47

In: 114.193+/-0.016 χ^2/NDF:6845346.4/43

Out: 115.818+/-0.016 χ^2/NDF:9854666.7/51

All: 115.021+/-0.011 χ^2/NDF: 16705038.8/95



Right In: -839.386+/-567.099 χ^2/NDF: 25.6/20

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: 1453.335+/-545.553 χ^2/NDF: 21.1/26

Left In: 113.680+/-183.125 χ^2/NDF:26.3/22

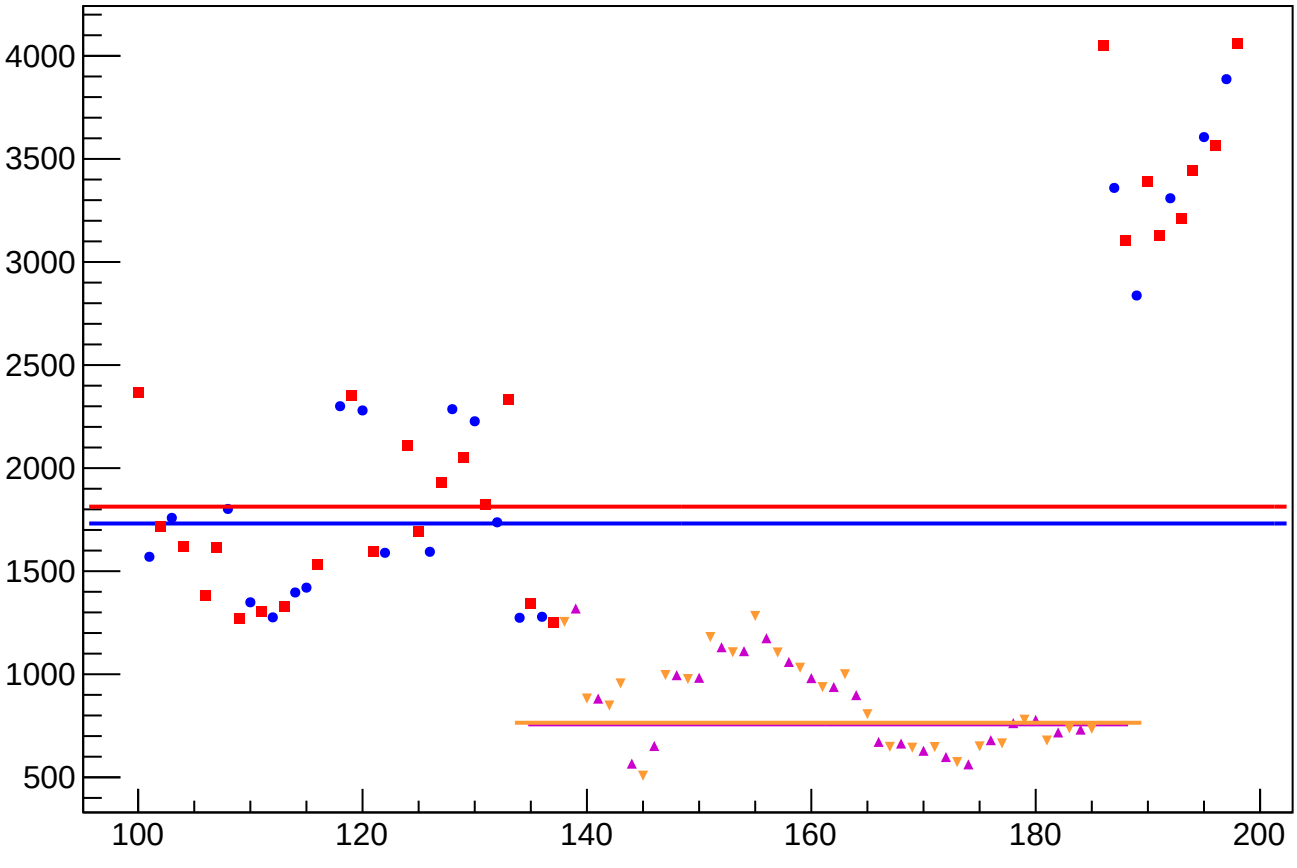
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 351.354+/-393.161 χ^2/NDF: 55.2/47

In: 23.683+/-174.265 χ^2/NDF:54.5/43

Out: -572.763+/-170.847 χ^2/NDF:106.4/51

All: -280.446+/-121.998 χ^2/NDF: 166.9/95



Right In: 1731.381+/-0.401 χ^2/NDF: 2443478.5/20

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1813.104+/-0.386 χ^2/NDF: 3344989.8/26

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

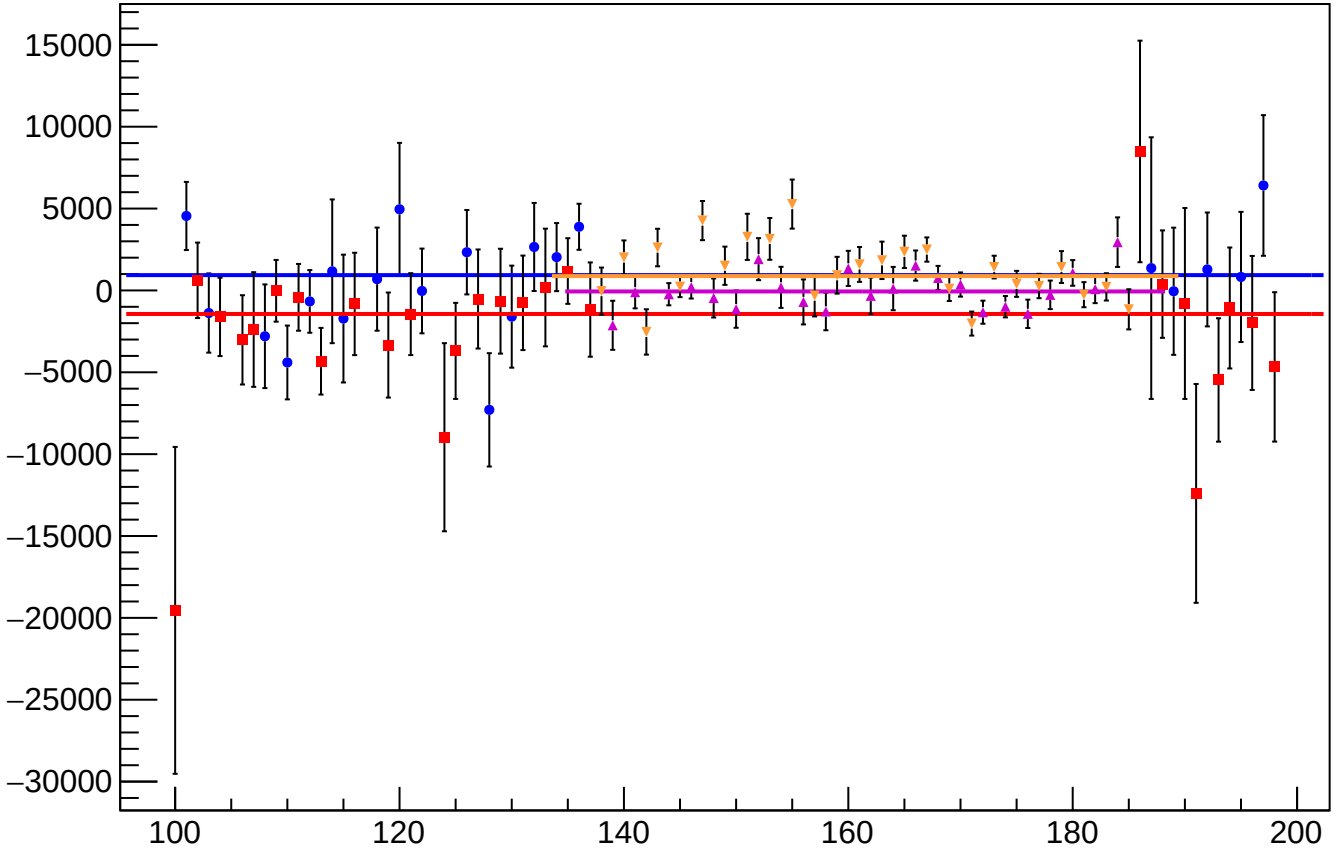
Right: 1773.824+/-0.278 χ^2/NDF: 5810038.7/47

In: 848.942+/-0.123 χ^2/NDF:9906359.4/43

Out: 867.549+/-0.121 χ^2/NDF:12431812.4/51

All: 858.430+/-0.086 χ^2/NDF: 22349797.8/95

asym_sam3_mean vs Slug, Sign Corrected



Right In: 934.929+/-587.850 χ^2/NDF: 26.6/20

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: -1437.969+/-572.631 χ^2/NDF: 19.0/26

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

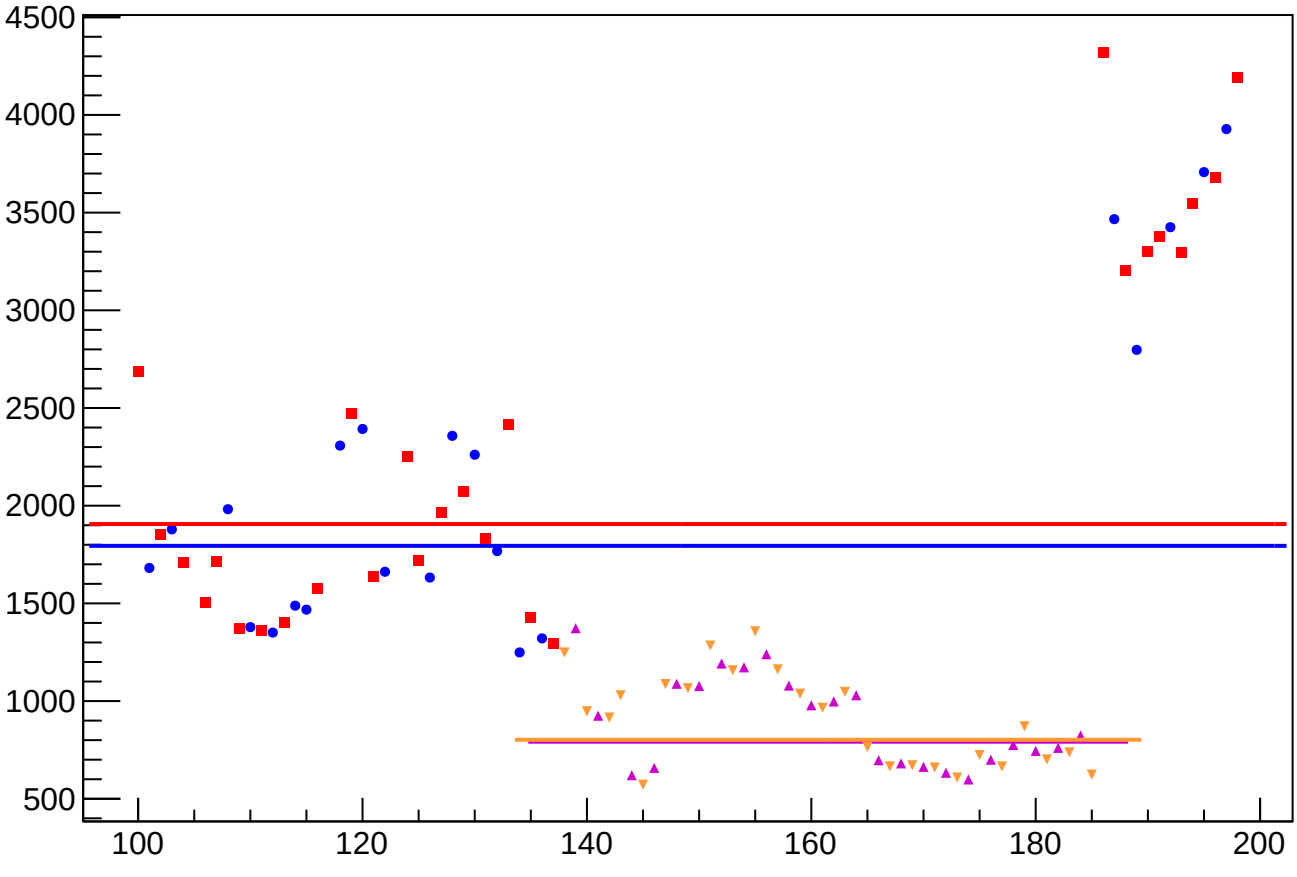
Right: -282.634+/-410.186 χ^2/NDF: 54.0/47

In: 33.051+/-182.165 χ^2/NDF:56.3/43

Out: 649.125+/-179.475 χ^2/NDF:101.0/51

All: 345.670+/-127.849 χ^2/NDF: 163.1/95

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1794.500+/-0.416 χ^2/NDF: 2403959.1/20

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 1906.081+/-0.405 χ^2/NDF: 3200763.3/26

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

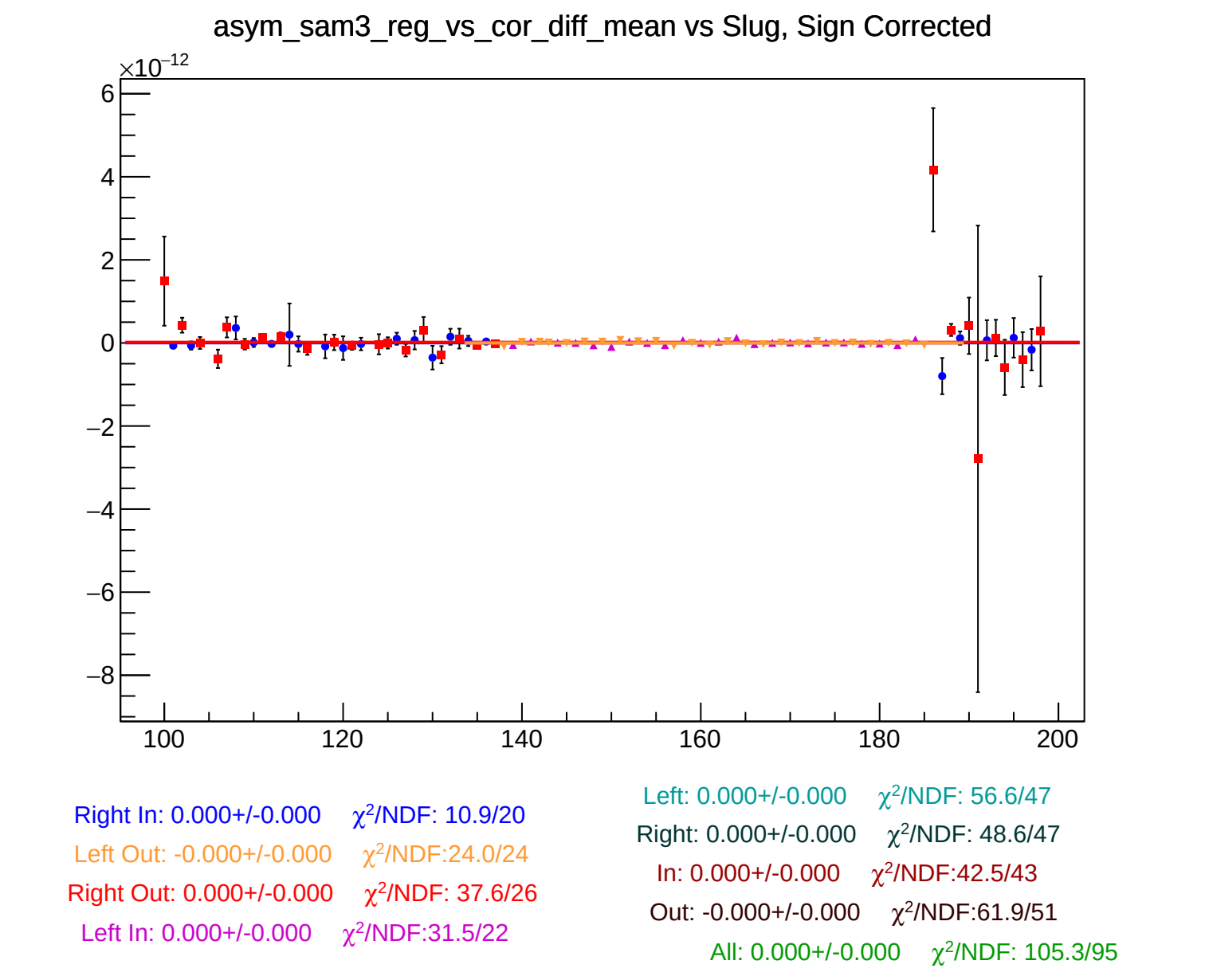
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

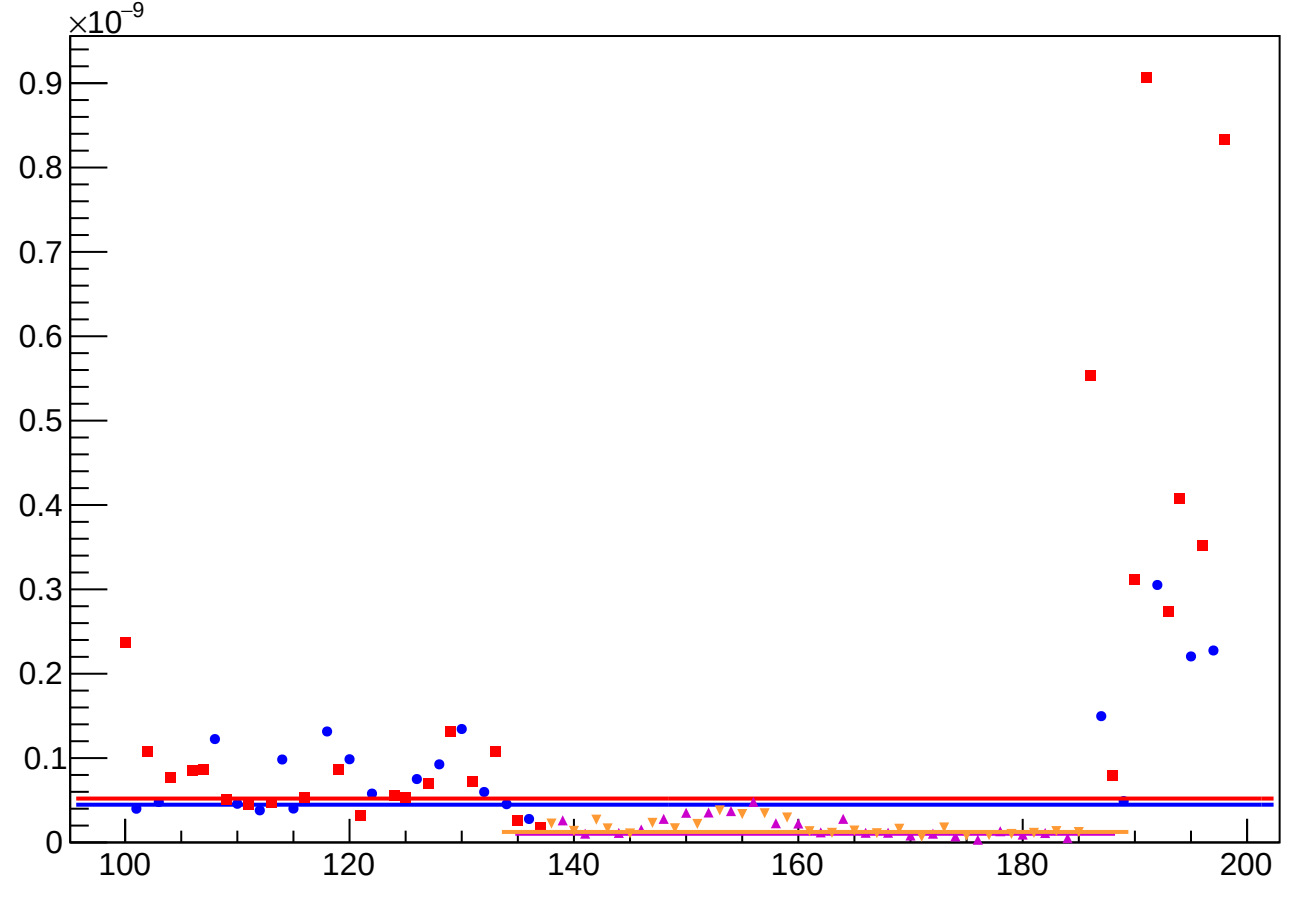
Right: 1851.754+/-0.290 χ^2/NDF: 5641696.1/47

In: 888.322+/-0.129 χ^2/NDF:9796897.0/43

Out: 910.471+/-0.127 χ^2/NDF:12301269.5/51

All: 899.561+/-0.090 χ^2/NDF: 22113169.4/95


asym_sam3_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 10.9/20
Left Out: -0.000+/-0.000 χ²/NDF:24.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 37.6/26
Left In: 0.000+/-0.000 χ²/NDF:31.5/22
Left: 0.000+/-0.000 χ²/NDF: 56.6/47
Right: 0.000+/-0.000 χ²/NDF: 48.6/47
In: 0.000+/-0.000 χ²/NDF:42.5/43
Out: -0.000+/-0.000 χ²/NDF:61.9/51
All: 0.000+/-0.000 χ²/NDF: 105.3/95



Right In: 0.000+/-0.000 χ^2/NDF: 2402944.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4292632.6/26

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

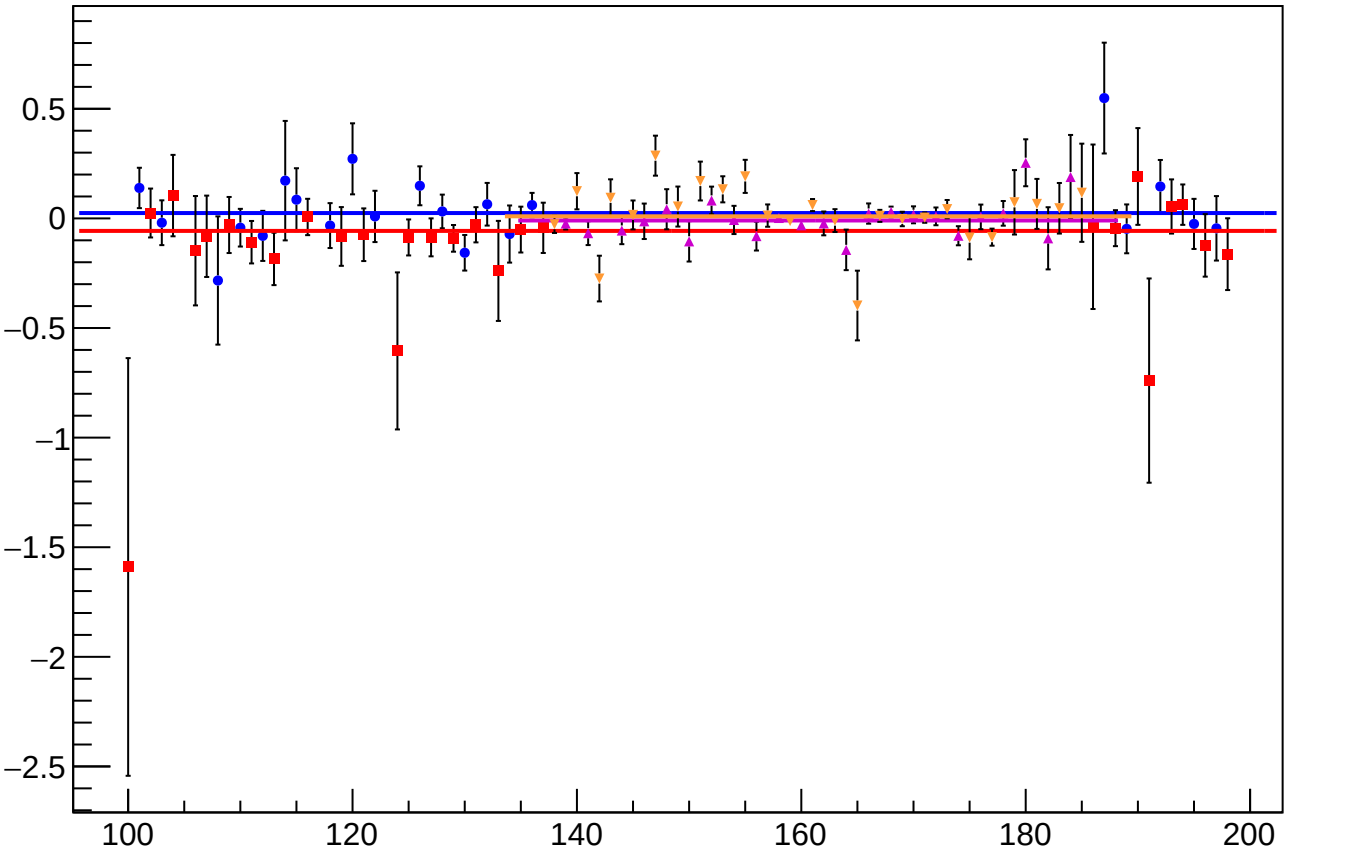
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 6762597.5/47

In: 0.000+/-0.000 χ^2/NDF:9301684.6/43

Out: 0.000+/-0.000 χ^2/NDF:9982290.9/51

All: 0.000+/-0.000 χ^2/NDF: 19484452.6/95



Right In: 0.024+/-0.023 χ^2/NDF: 21.6/20

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.057+/-0.022 χ^2/NDF: 16.4/26

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

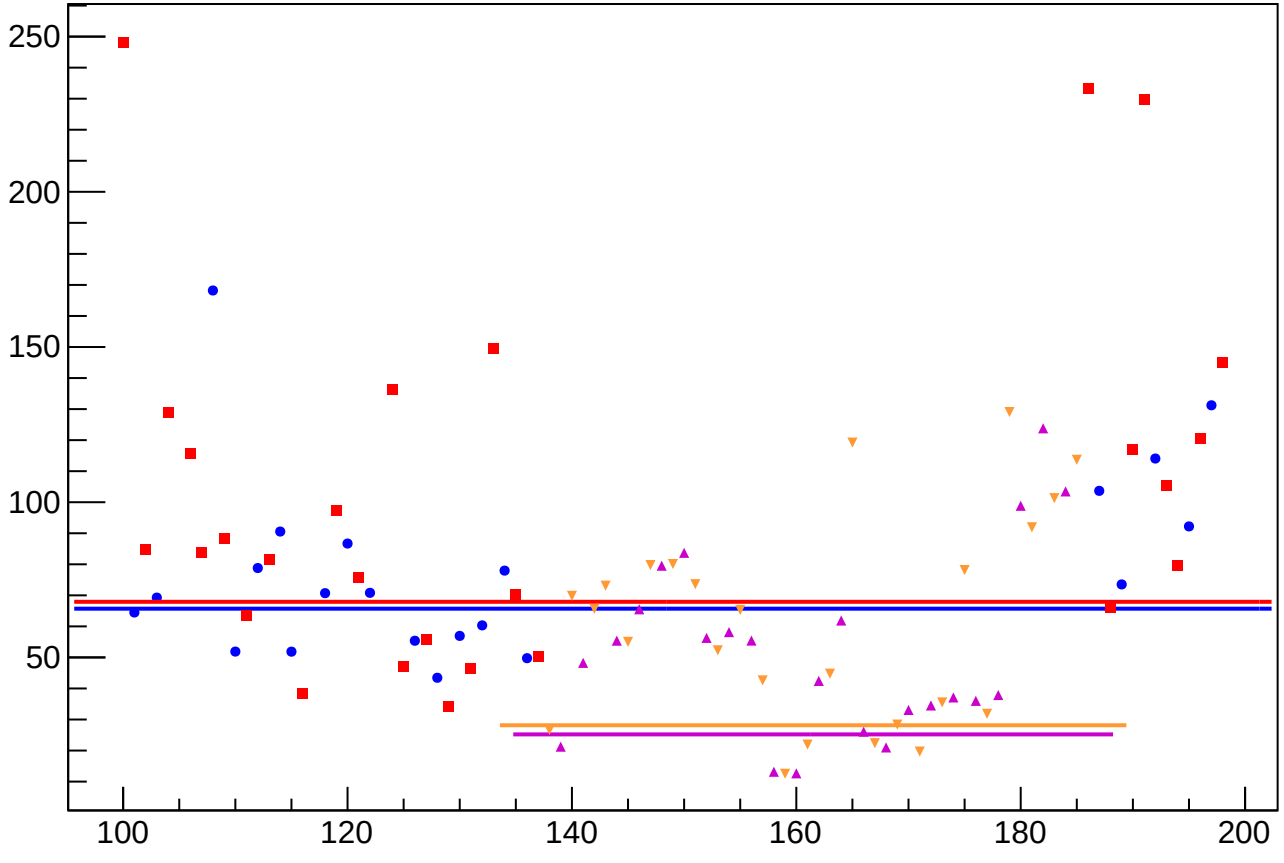
Right: -0.017+/-0.016 χ^2/NDF: 44.6/47

In: -0.006+/-0.007 χ^2/NDF:48.8/43

Out: 0.001+/-0.008 χ^2/NDF:78.9/51

All: -0.003+/-0.005 χ^2/NDF: 128.1/95

asym_sam3_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.704+/-0.016 χ^2/NDF: 1690092.3/20

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 67.921+/-0.016 χ^2/NDF: 3822097.1/26

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

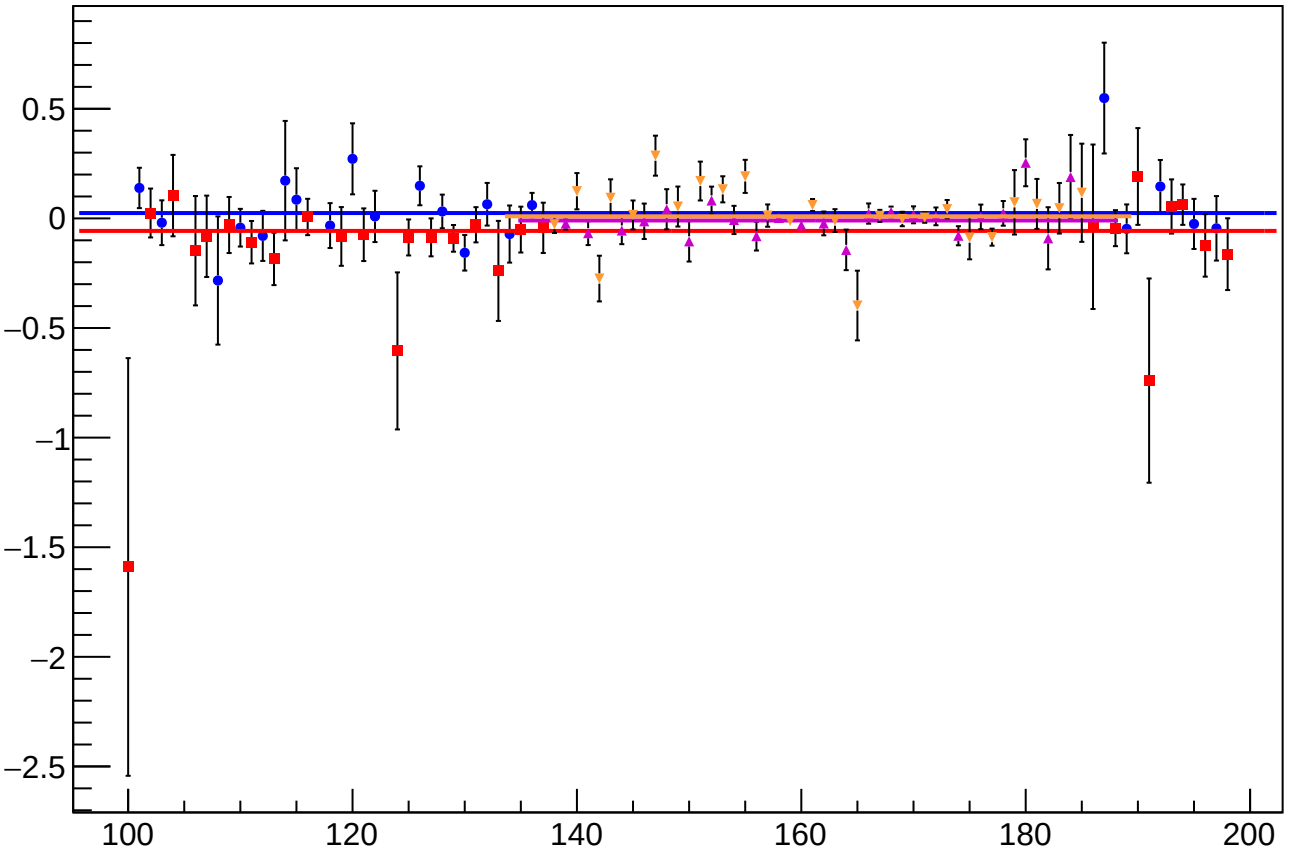
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 66.836+/-0.011 χ^2/NDF: 5521877.6/47

In: 29.583+/-0.005 χ^2/NDF:17300333.1/43

Out: 33.163+/-0.006 χ^2/NDF:20465216.8/51

All: 31.274+/-0.004 χ^2/NDF: 37981805.4/95



Right In: 0.024+/-0.023 χ^2/NDF: 21.6/20

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.057+/-0.022 χ^2/NDF: 16.4/26

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

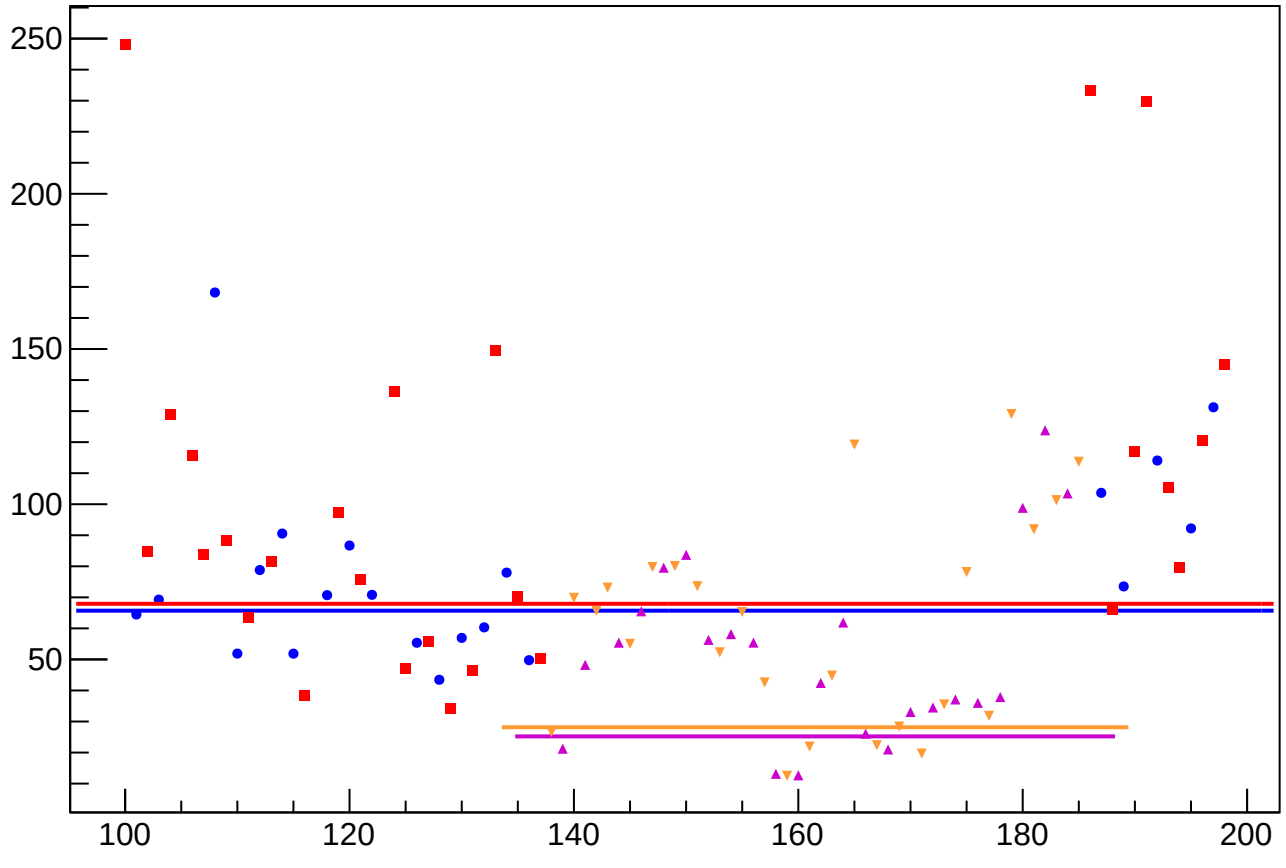
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.017+/-0.016 χ^2/NDF: 44.6/47

In: -0.006+/-0.007 χ^2/NDF:48.8/43

Out: 0.001+/-0.008 χ^2/NDF:78.9/51

All: -0.003+/-0.005 χ^2/NDF: 128.1/95



Right In: 65.704+/-0.016 χ^2/NDF: 1690092.3/20

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 67.921+/-0.016 χ^2/NDF: 3822097.1/26

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

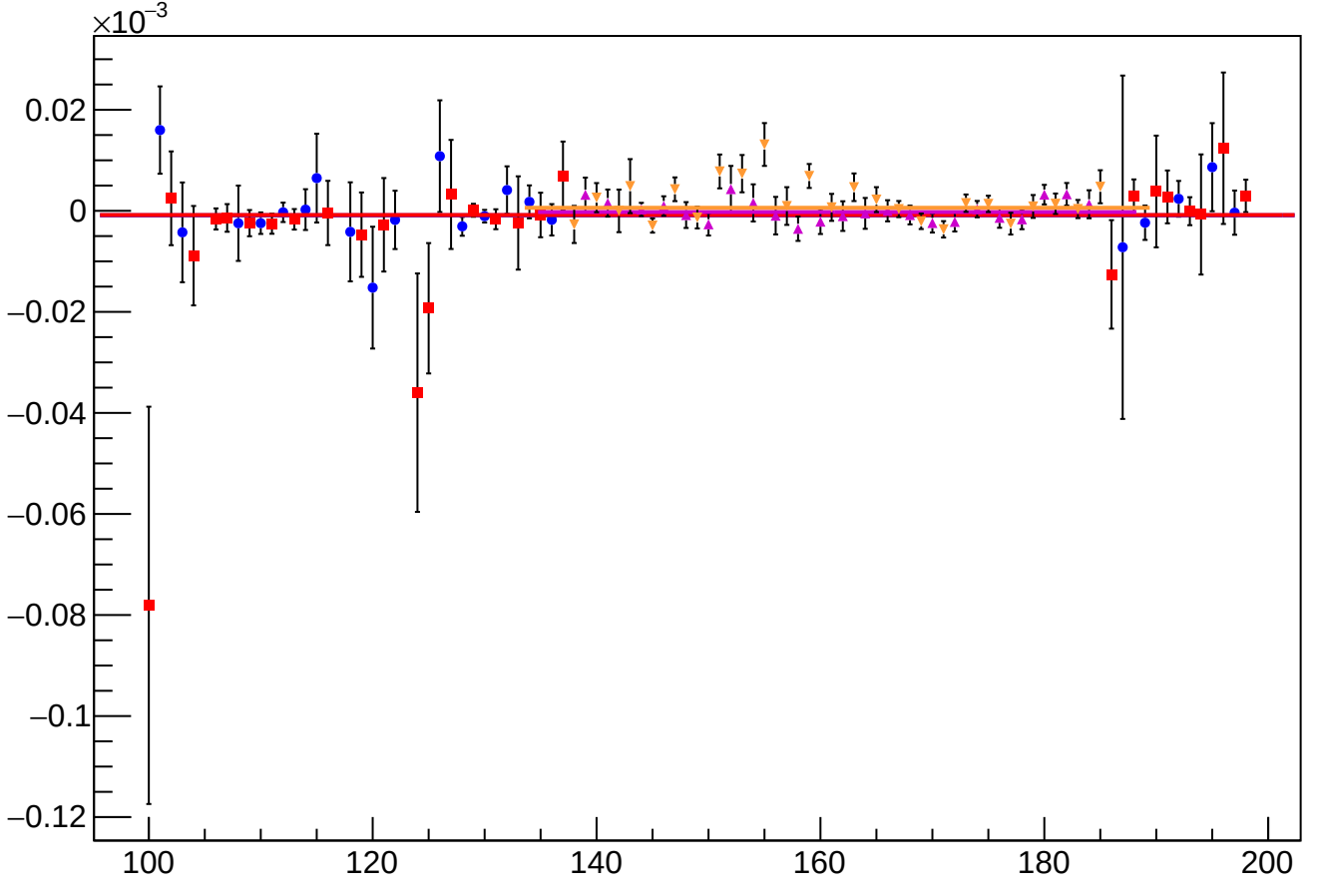
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 66.836+/-0.011 χ^2/NDF: 5521877.6/47

In: 29.583+/-0.005 χ^2/NDF:17300333.1/43

Out: 33.163+/-0.006 χ^2/NDF:20465216.8/51

All: 31.274+/-0.004 χ^2/NDF: 37981805.4/95



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/26

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

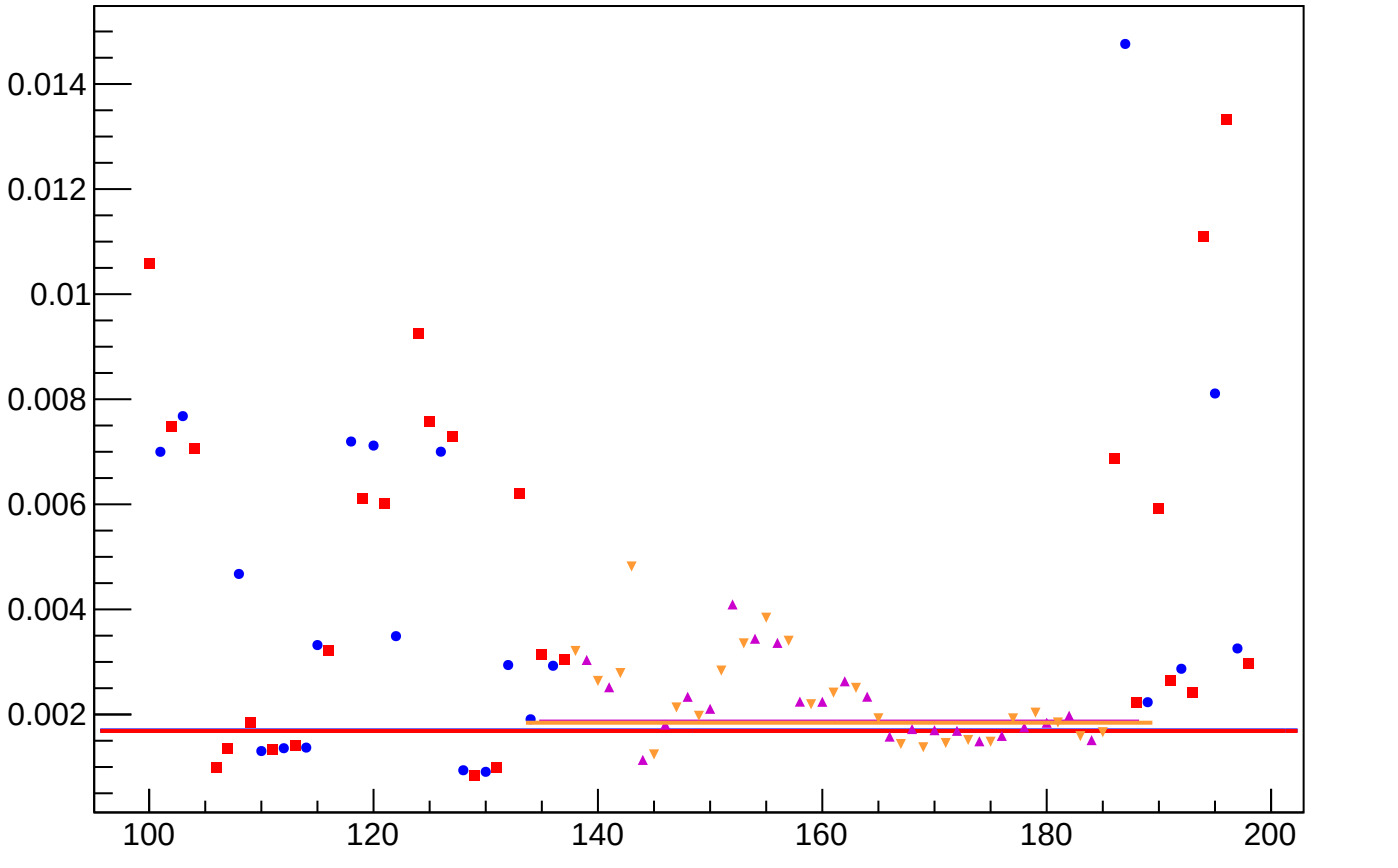
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 31.8/47

In: -0.000+/-0.000 χ^2/NDF:30.7/43

Out: 0.000+/-0.000 χ^2/NDF:73.9/51

All: -0.000+/-0.000 χ^2/NDF: 105.8/95



Right In: 0.002+/-0.000 χ^2/NDF: 7196227.0/20

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9834215.3/26

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

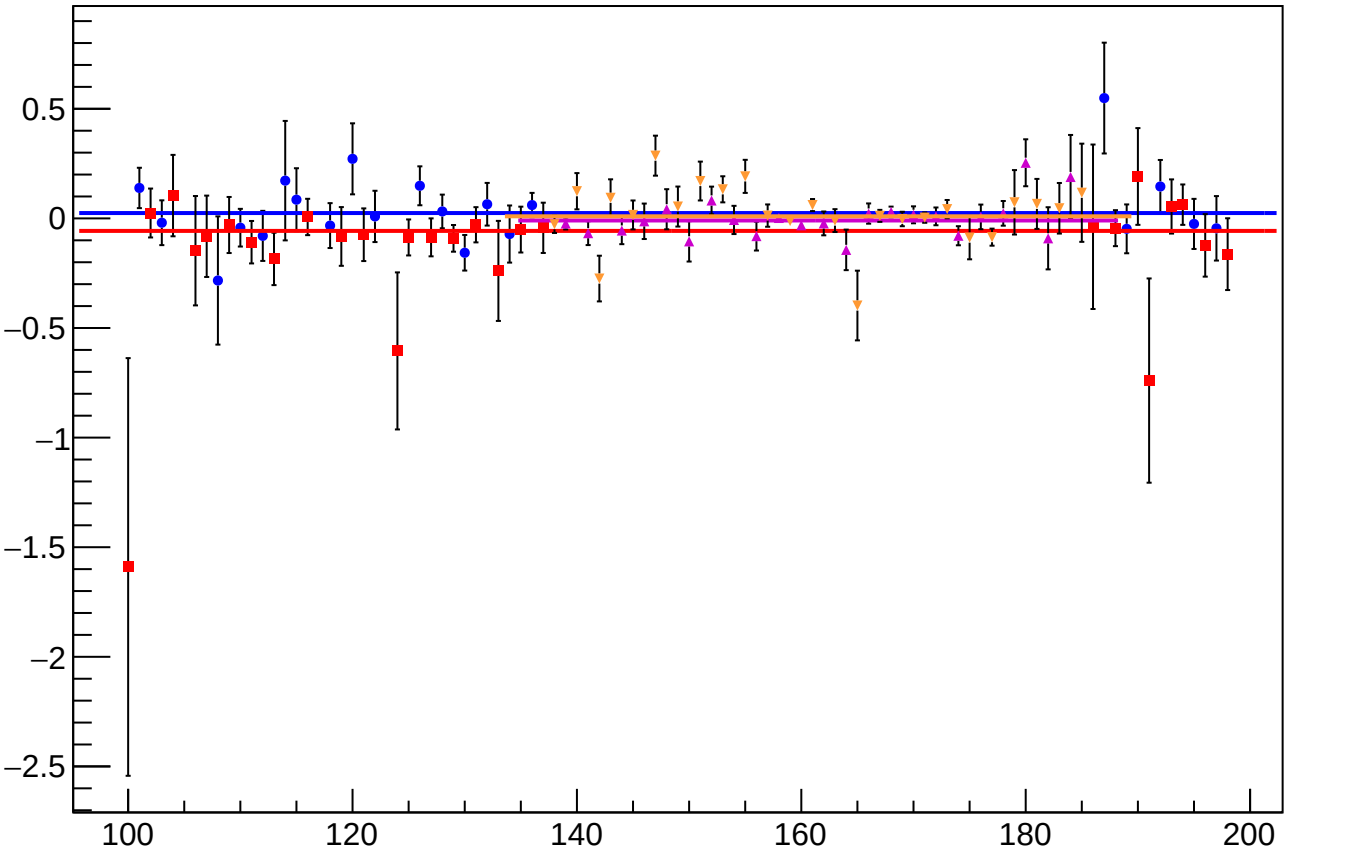
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 17030667.0/47

In: 0.002+/-0.000 χ^2/NDF:10072448.4/43

Out: 0.002+/-0.000 χ^2/NDF:13698522.1/51

All: 0.002+/-0.000 χ^2/NDF: 23774274.2/95



Right In: 0.024+/-0.023 χ^2/NDF: 21.6/20

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.057+/-0.022 χ^2/NDF: 16.4/26

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

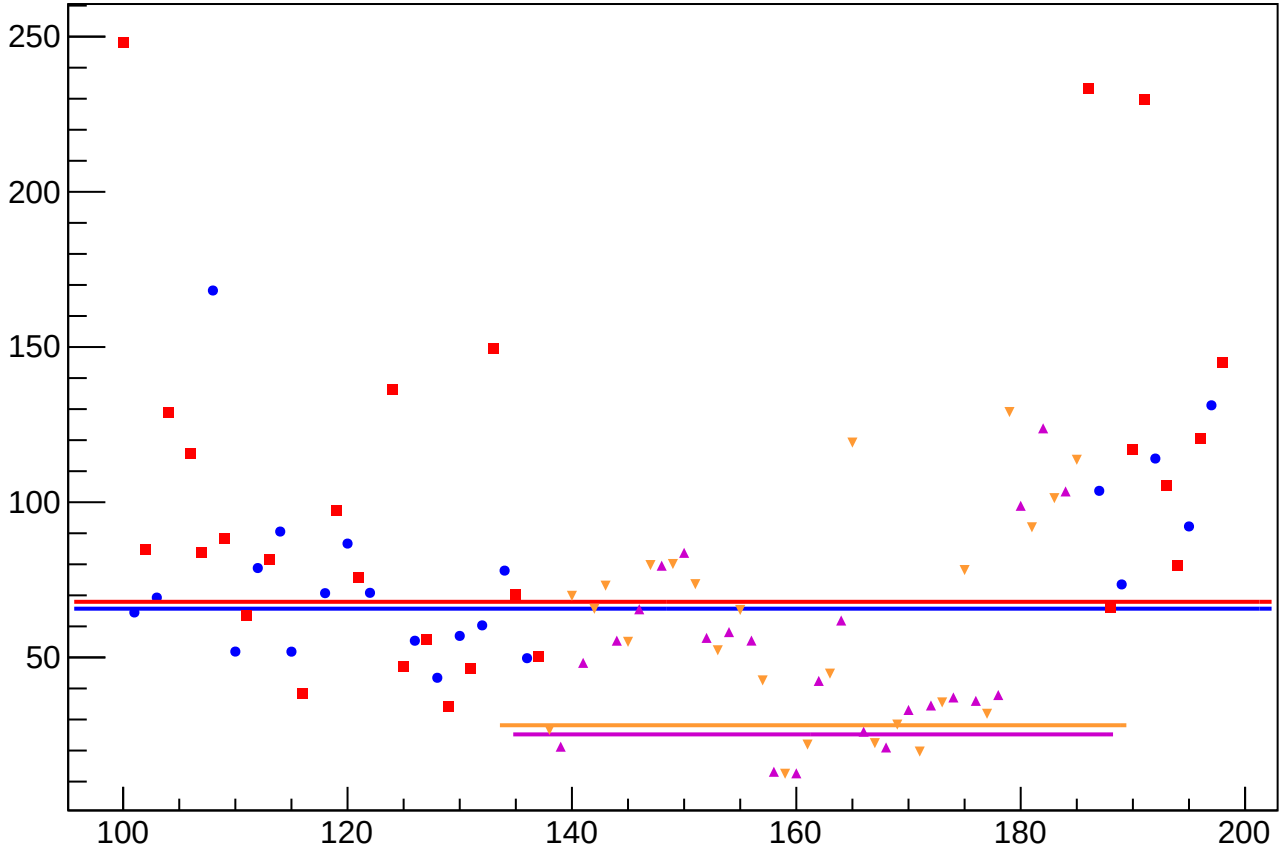
Right: -0.017+/-0.016 χ^2/NDF: 44.6/47

In: -0.006+/-0.007 χ^2/NDF:48.8/43

Out: 0.001+/-0.008 χ^2/NDF:78.9/51

All: -0.003+/-0.005 χ^2/NDF: 128.1/95

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.705+/-0.016 χ^2/NDF: 1690066.1/20

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 67.922+/-0.016 χ^2/NDF: 3822113.5/26

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

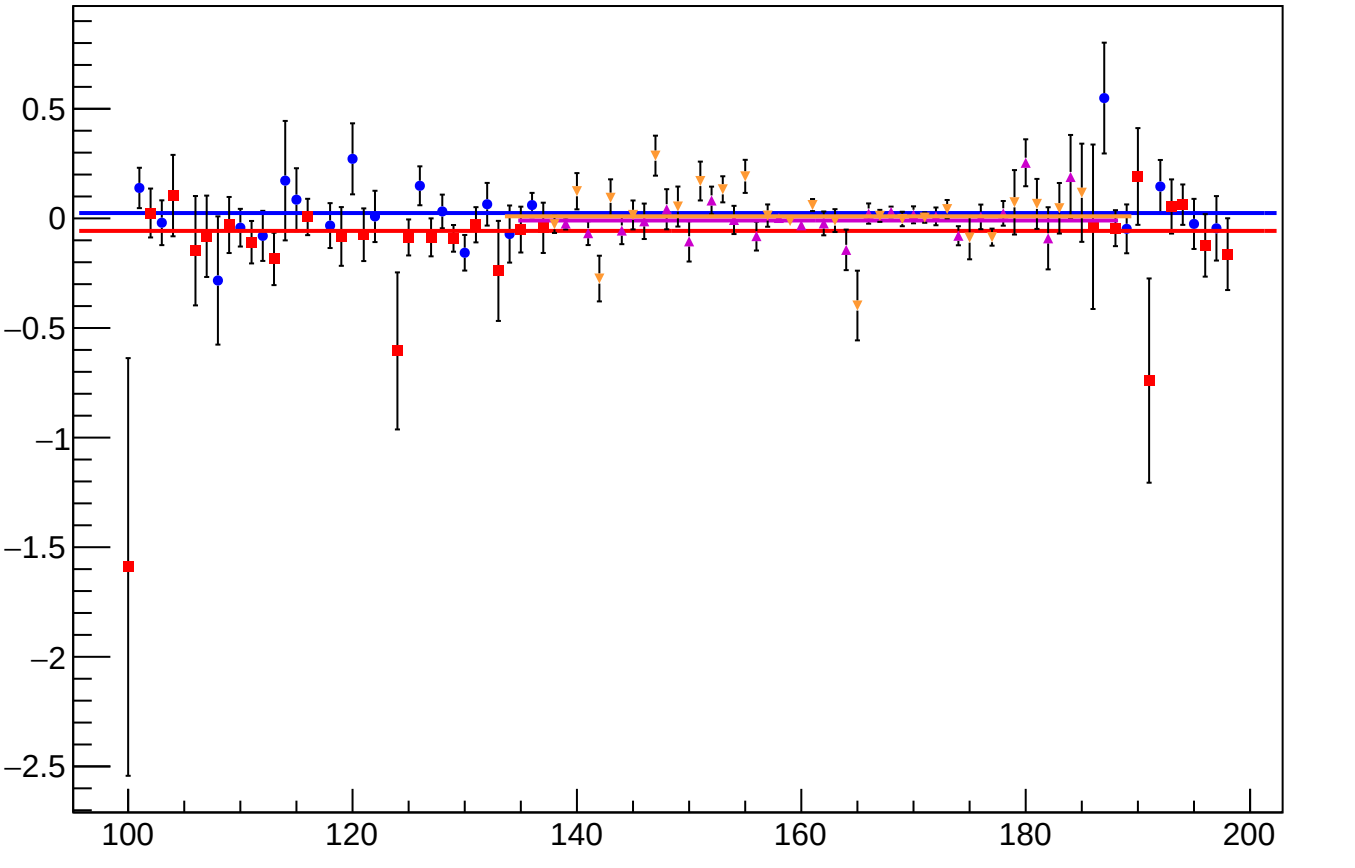
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 66.837+/-0.011 χ^2/NDF: 5521872.8/47

In: 29.582+/-0.005 χ^2/NDF:17300952.3/43

Out: 33.161+/-0.006 χ^2/NDF:20466841.9/51

All: 31.273+/-0.004 χ^2/NDF: 37983955.9/95



Right In: 0.024+/-0.023 χ^2/NDF: 21.6/20

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.057+/-0.022 χ^2/NDF: 16.4/26

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

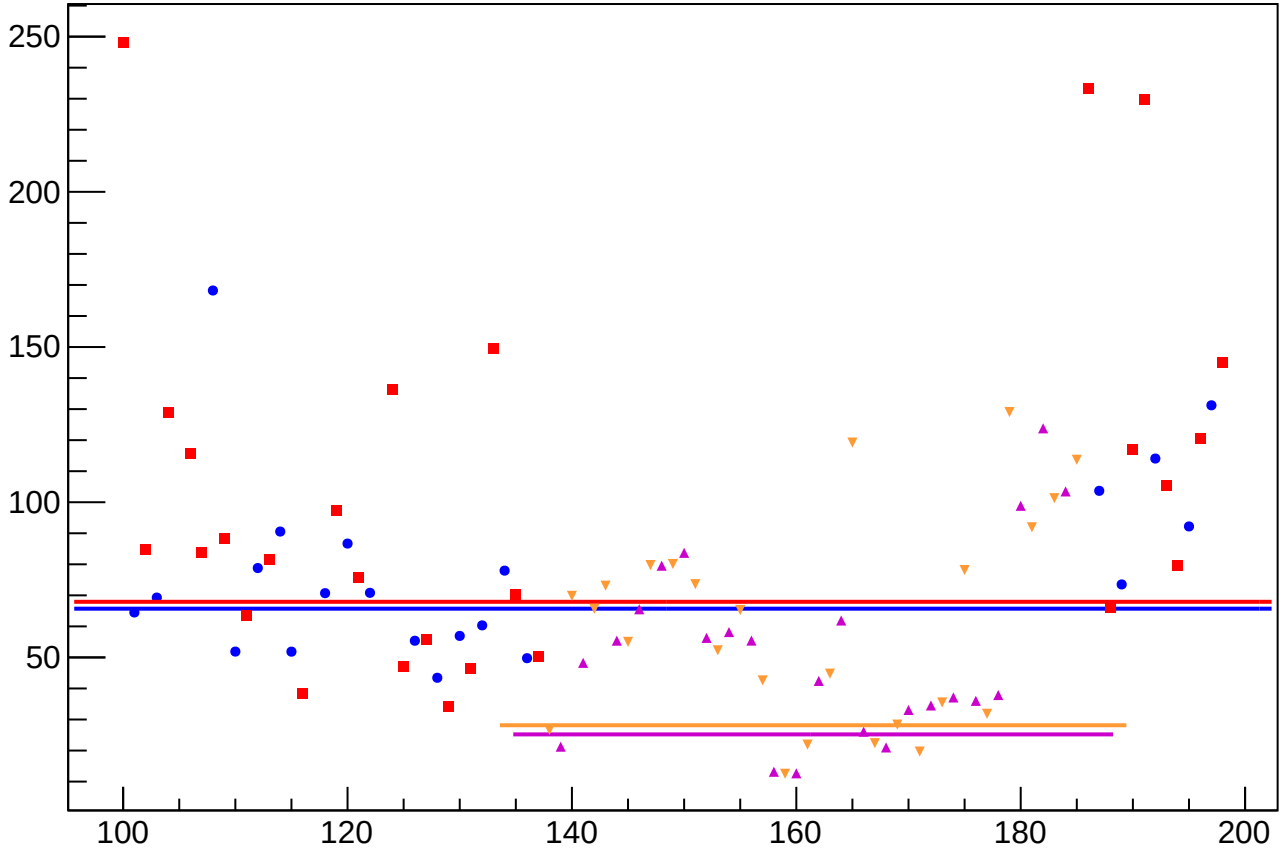
Right: -0.017+/-0.016 χ^2/NDF: 44.6/47

In: -0.006+/-0.007 χ^2/NDF:48.8/43

Out: 0.001+/-0.008 χ^2/NDF:78.9/51

All: -0.003+/-0.005 χ^2/NDF: 128.1/95

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.705+/-0.016 χ^2/NDF: 1690066.1/20

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 67.922+/-0.016 χ^2/NDF: 3822113.5/26

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

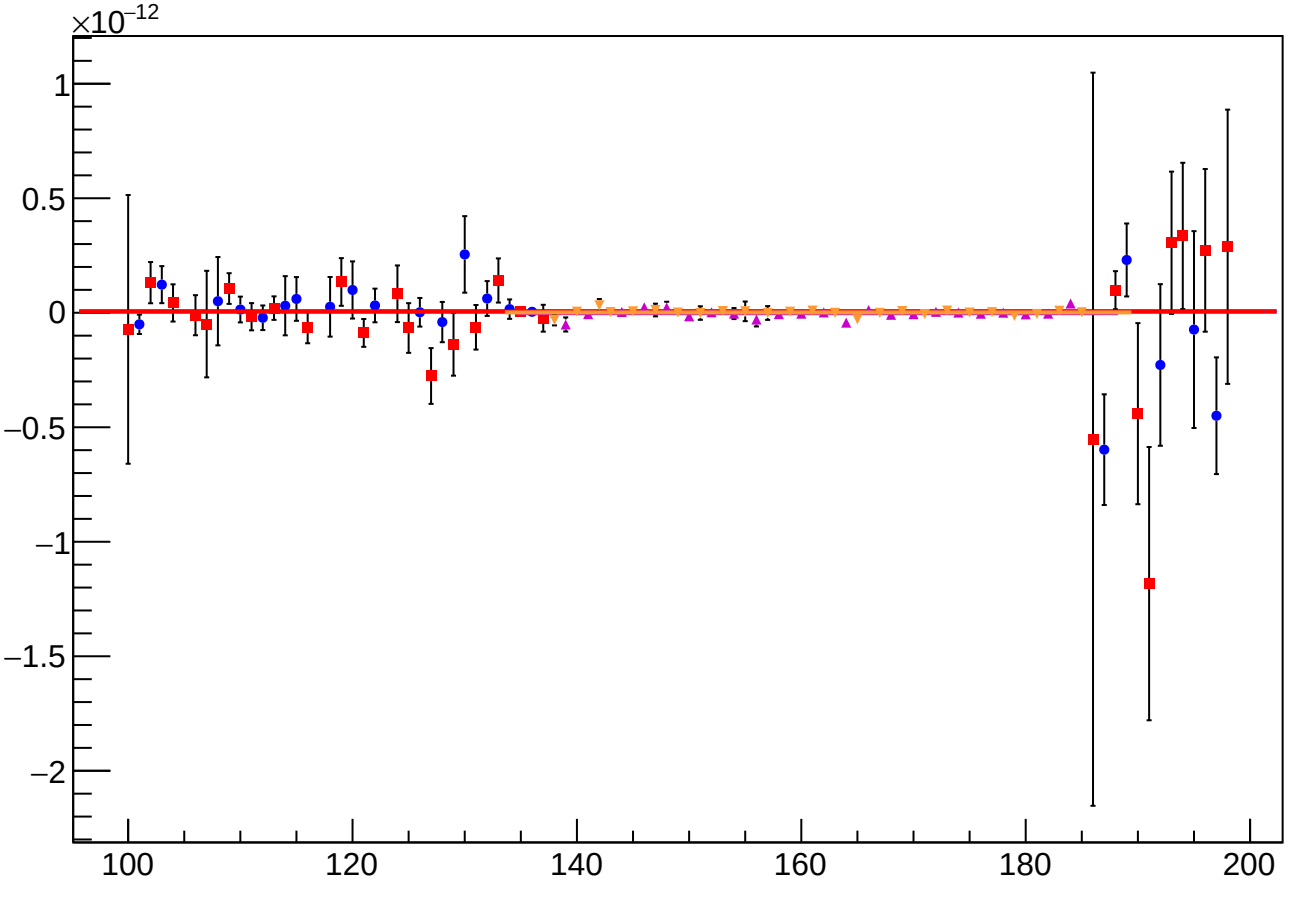
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 66.837+/-0.011 χ^2/NDF: 5521872.8/47

In: 29.582+/-0.005 χ^2/NDF:17300952.3/43

Out: 33.161+/-0.006 χ^2/NDF:20466841.9/51

All: 31.273+/-0.004 χ^2/NDF: 37983955.9/95



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.1/26

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

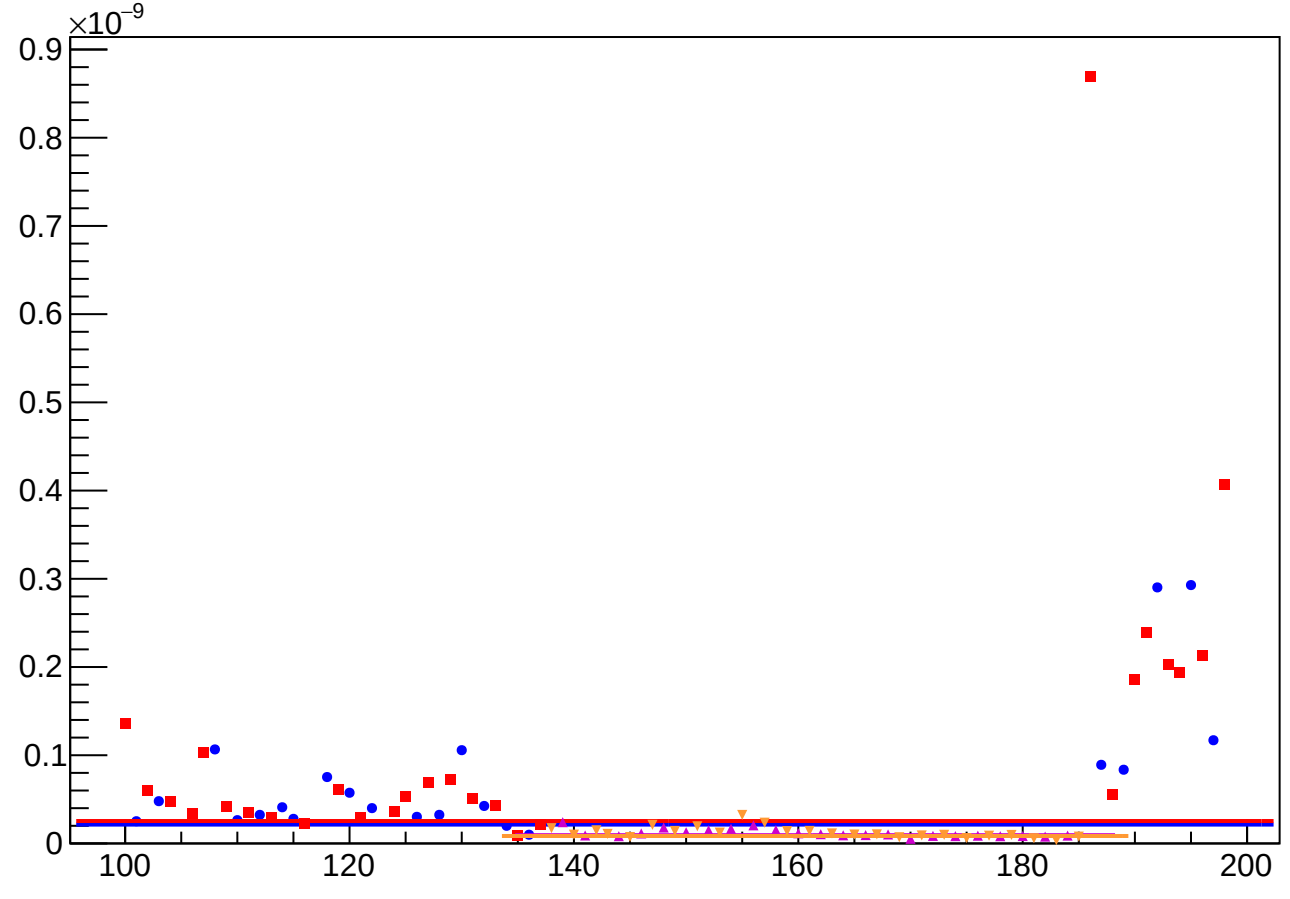
Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

Right: 0.000+/-0.000 χ^2/NDF: 49.4/47

In: -0.000+/-0.000 χ^2/NDF:41.5/43

Out: 0.000+/-0.000 χ^2/NDF:40.5/51

All: 0.000+/-0.000 χ^2/NDF: 82.6/95



Right In: 0.000+/-0.000 χ^2/NDF: 5846821.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7567398.8/26

Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6595432.2/47

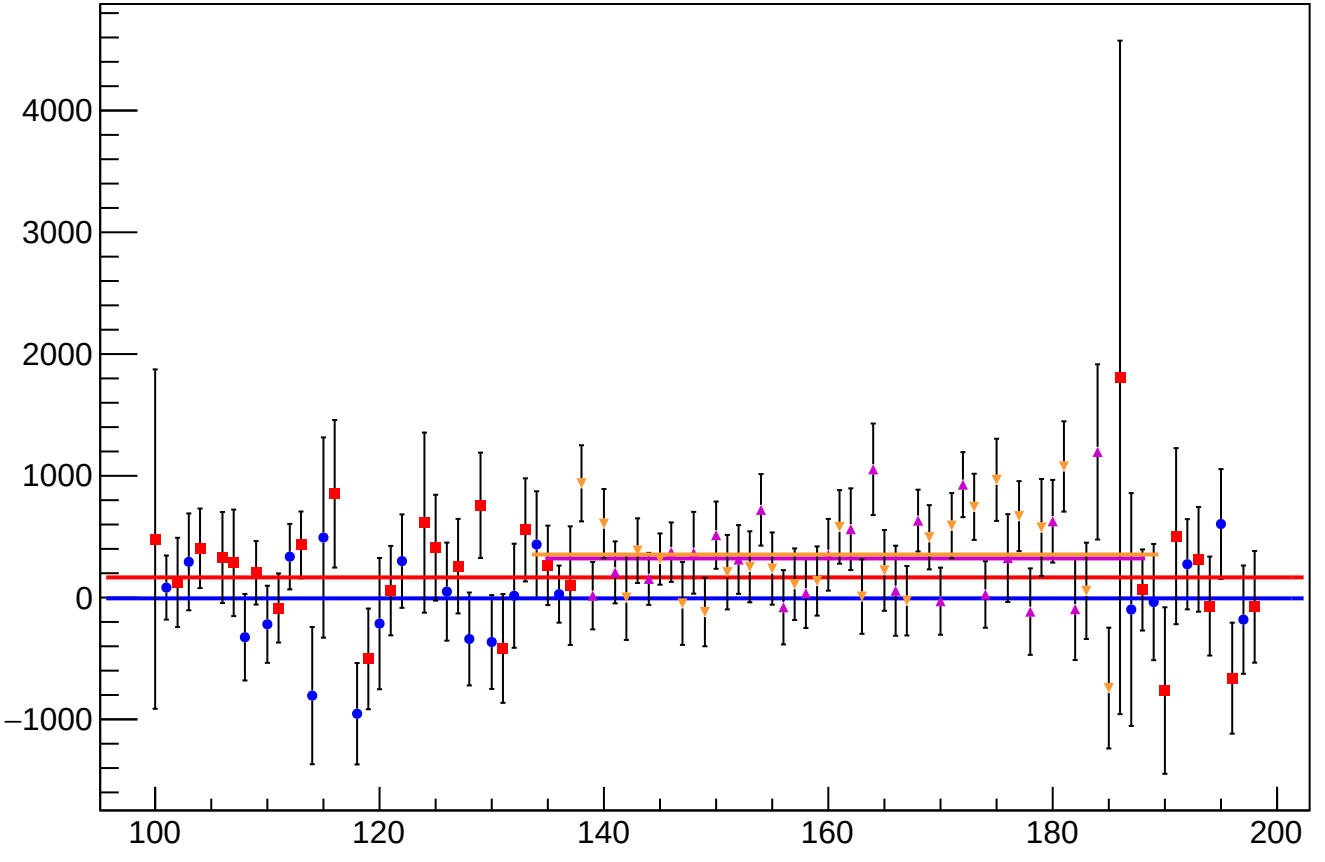
Right: 0.000+/-0.000 χ^2/NDF: 13515726.1/47

In: 0.000+/-0.000 χ^2/NDF:9857427.5/43

Out: 0.000+/-0.000 χ^2/NDF:15033825.2/51

All: 0.000+/-0.000 χ^2/NDF: 24999144.1/95

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -6.272+/-83.182 χ^2/NDF: 17.2/20

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: 165.811+/-78.175 χ^2/NDF: 18.4/26

Left In: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

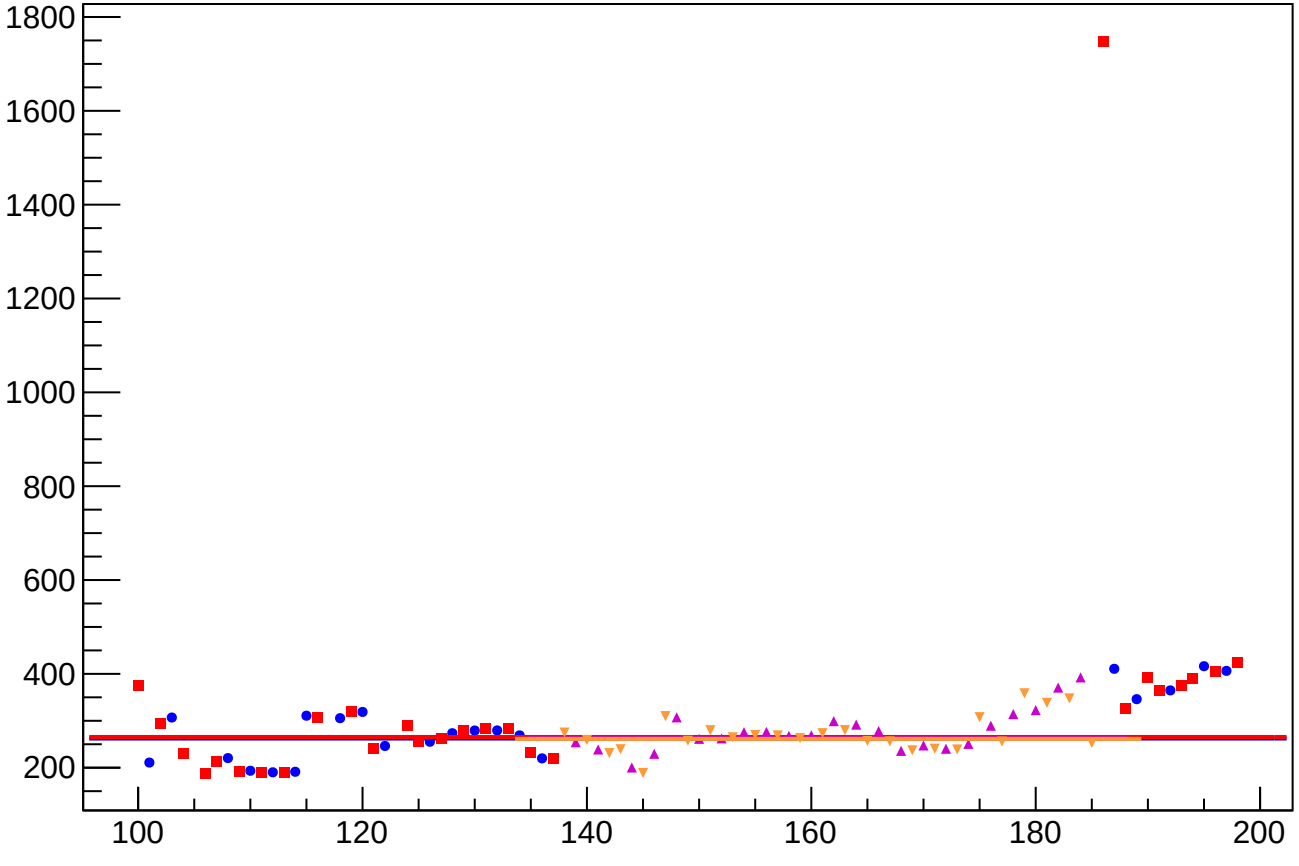
Right: 85.105+/-56.966 χ^2/NDF: 37.9/47

In: 204.172+/-49.769 χ^2/NDF:53.4/43

Out: 283.780+/-47.671 χ^2/NDF:54.4/51

All: 245.689+/-34.426 χ^2/NDF: 109.1/95

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 262.166+/-0.059 χ^2/NDF: 1234552.3/20

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 265.508+/-0.055 χ^2/NDF: 2213318.0/26

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

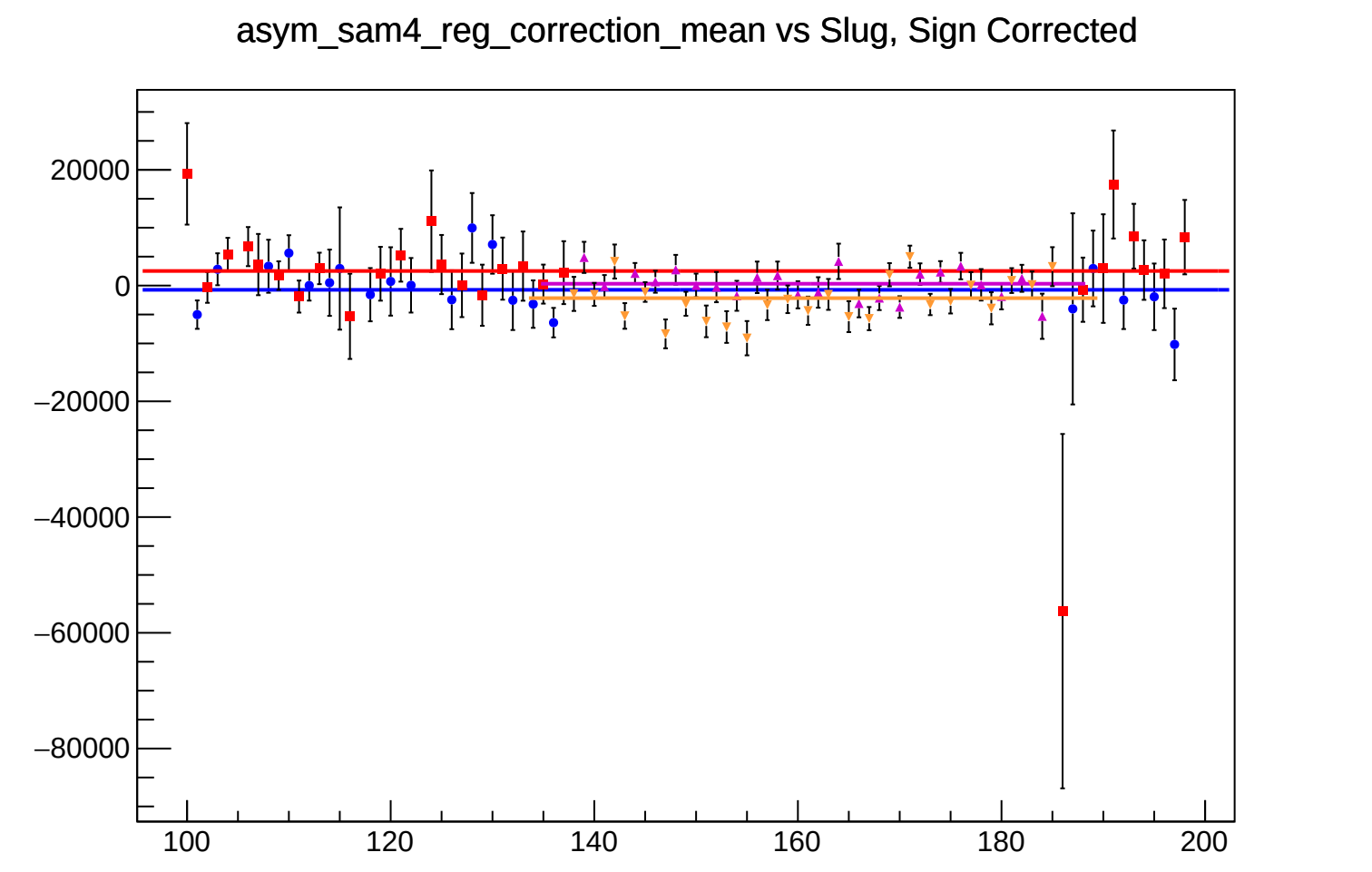
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 263.941+/-0.040 χ^2/NDF: 3449584.1/47

In: 262.455+/-0.035 χ^2/NDF:1905236.1/43

Out: 262.971+/-0.034 χ^2/NDF:2932138.2/51

All: 262.724+/-0.024 χ^2/NDF: 4837486.6/95



Right In: -736.846+/-899.037 χ^2/NDF: 24.1/20

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: 2519.212+/-836.369 χ^2/NDF: 22.6/26

Left In: 313.739+/-474.086 χ^2/NDF:23.7/22

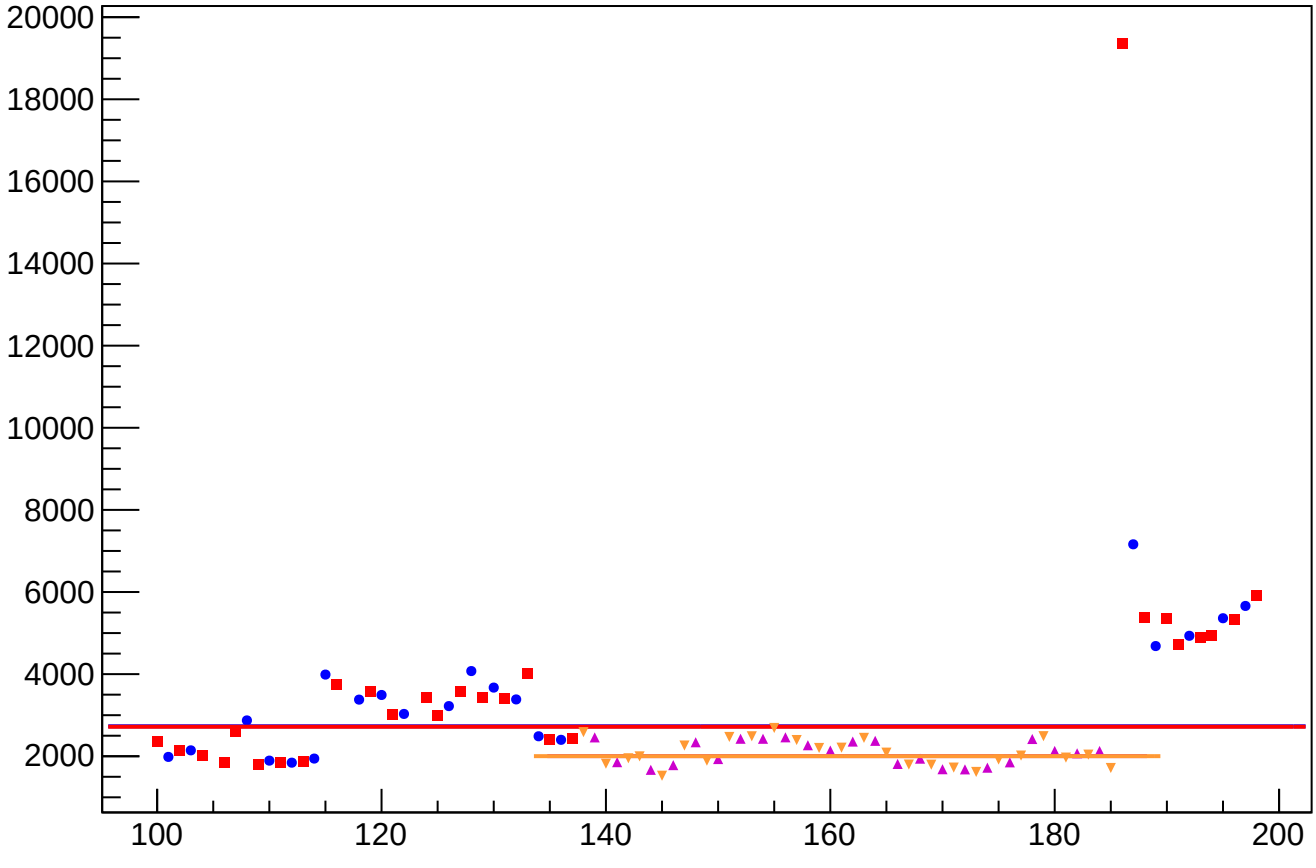
Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

Right: 1008.611+/-612.359 χ^2/NDF: 53.6/47

In: 85.161+/-419.352 χ^2/NDF:48.8/43

Out: -1076.377+/-404.168 χ^2/NDF:102.2/51

All: -517.018+/-291.010 χ^2/NDF: 154.9/95



Right In: 2729.693+/-0.636 χ^2/NDF: 2639932.7/20

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2718.417+/-0.591 χ^2/NDF: 4258255.2/26

Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.7/47

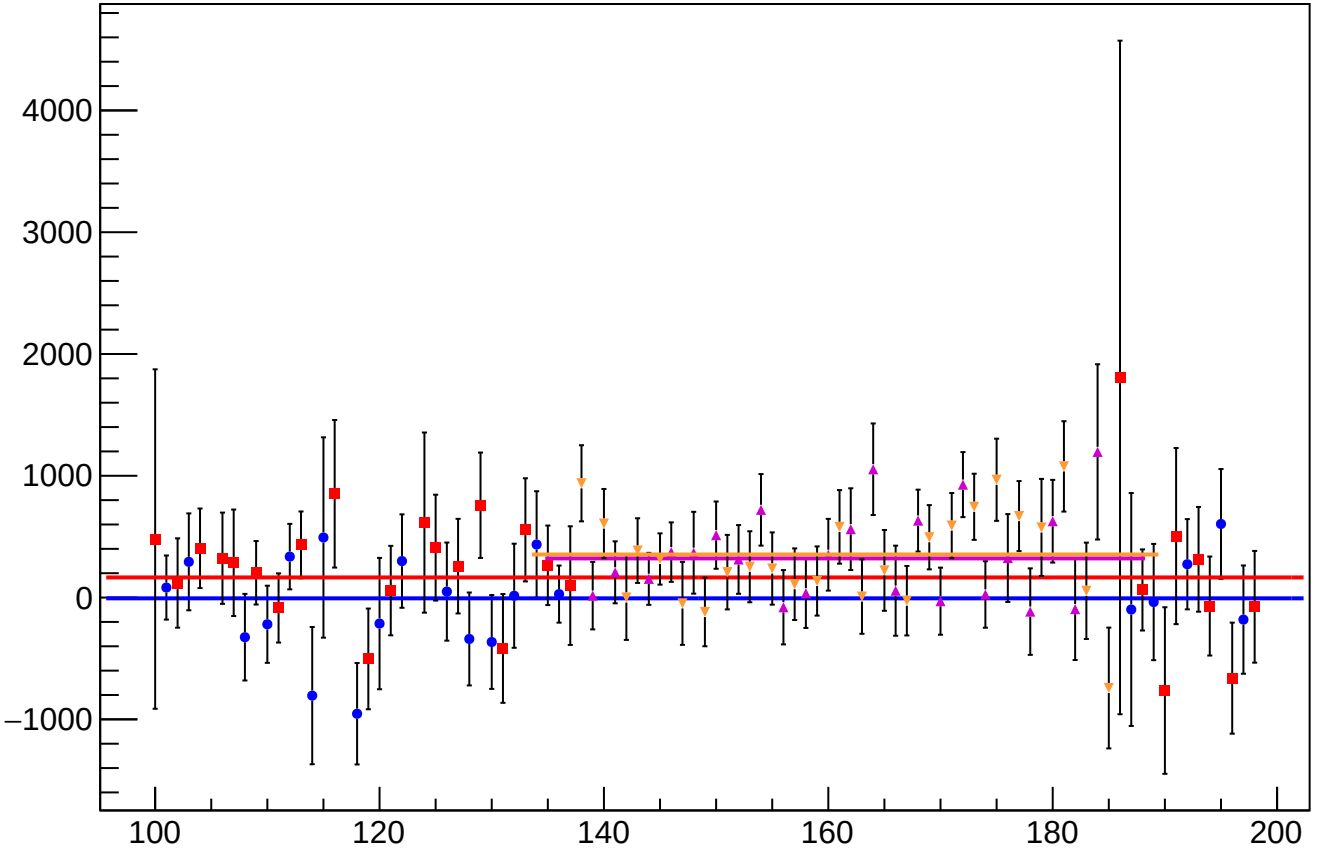
Right: 2723.649+/-0.433 χ^2/NDF: 6898356.6/47

In: 2162.082+/-0.297 χ^2/NDF:4363758.0/43

Out: 2169.475+/-0.286 χ^2/NDF:6275019.5/51

All: 2165.914+/-0.206 χ^2/NDF: 10639099.7/9

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -6.287+/-83.182 χ^2/NDF: 17.2/20

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 165.281+/-78.184 χ^2/NDF: 18.4/26

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

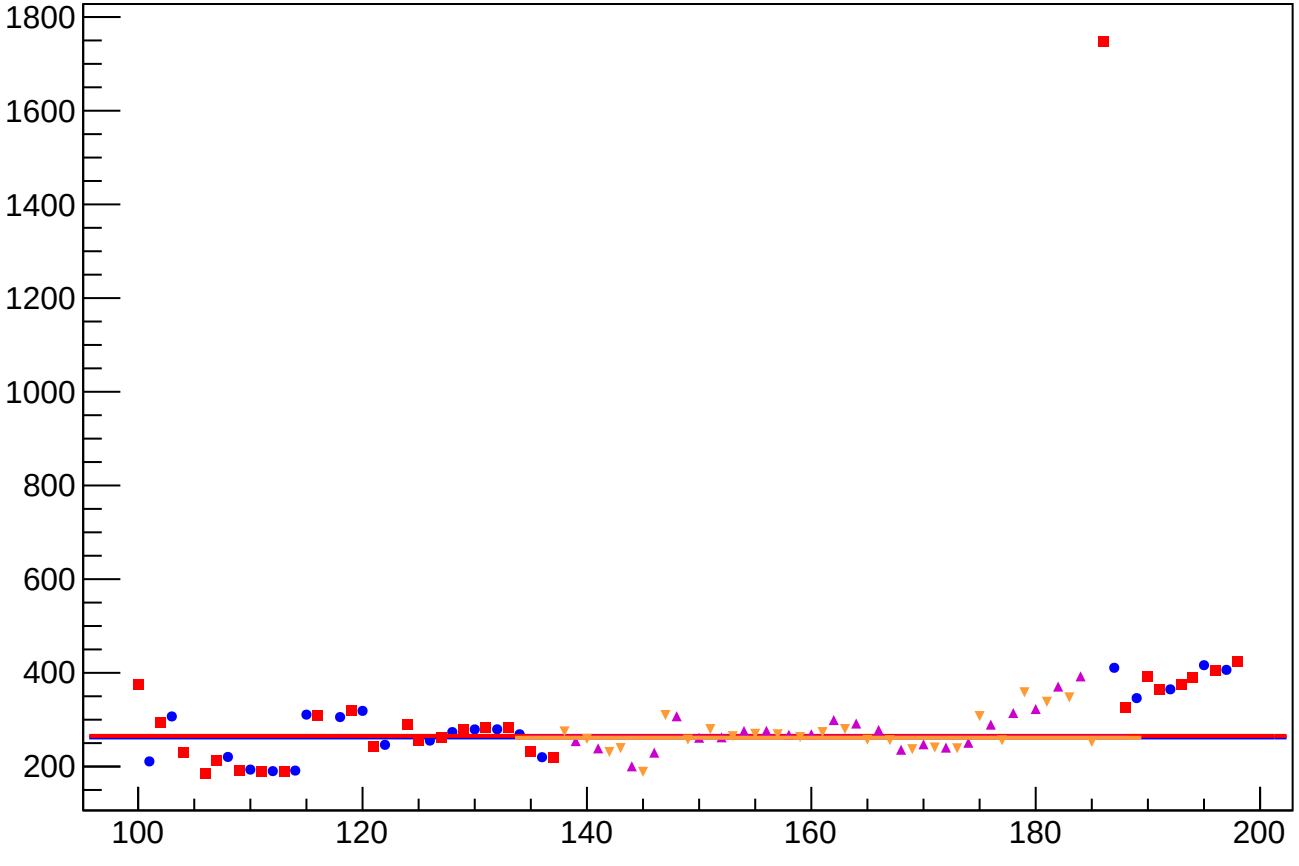
Right: 84.806+/-56.970 χ^2/NDF: 37.9/47

In: 204.169+/-49.769 χ^2/NDF:53.4/43

Out: 283.608+/-47.673 χ^2/NDF:54.4/51

All: 245.596+/-34.427 χ^2/NDF: 109.1/95

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 262.166+/-0.059 χ^2/NDF: 1234554.0/20

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 265.419+/-0.055 χ^2/NDF: 2218697.0/26

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

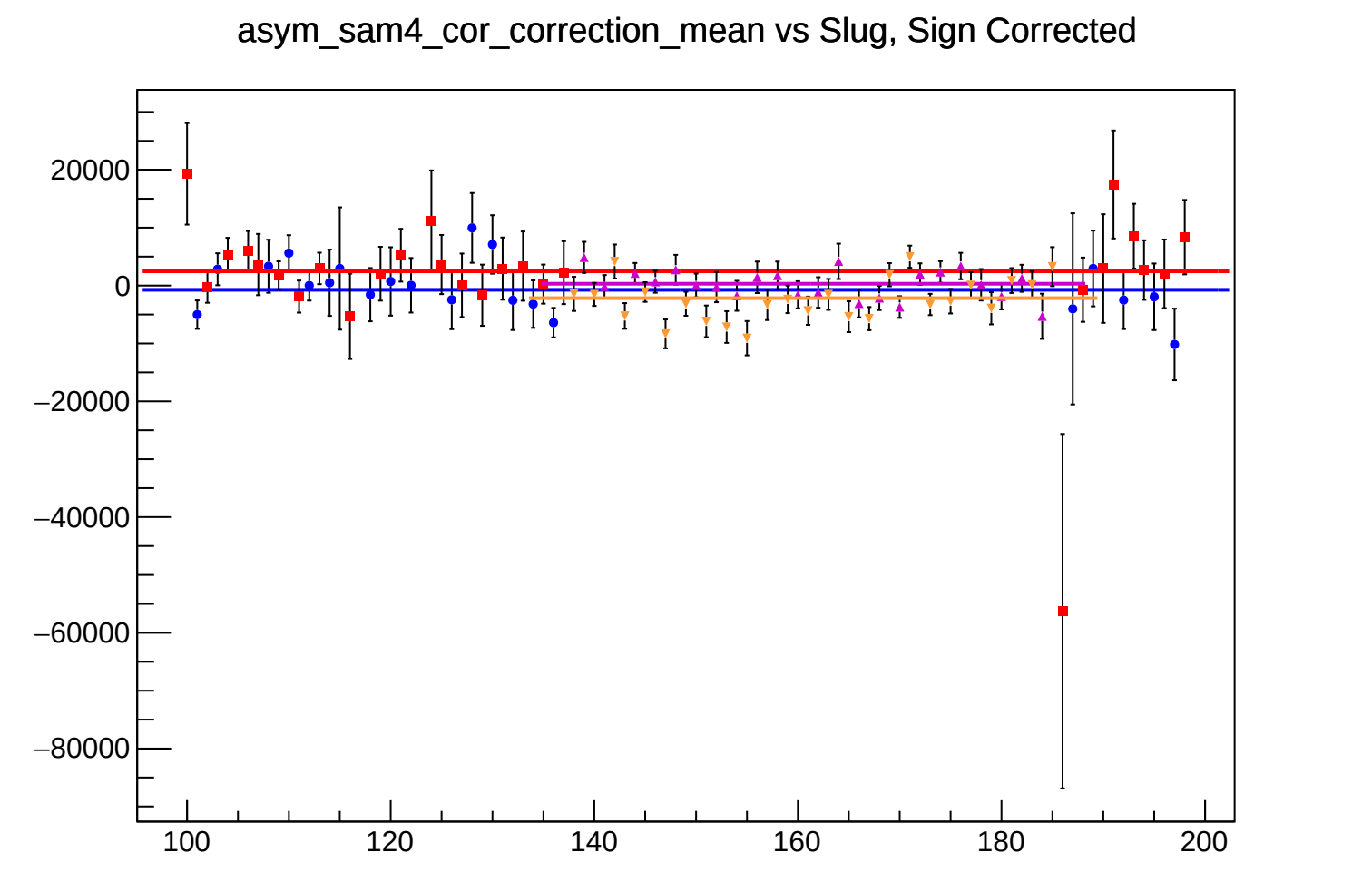
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 263.894+/-0.040 χ^2/NDF: 3454874.9/47

In: 262.455+/-0.035 χ^2/NDF:1905237.9/43

Out: 262.938+/-0.034 χ^2/NDF:2937371.2/51

All: 262.707+/-0.024 χ^2/NDF: 4842707.4/95



Right In: -737.004+/-899.044 χ^2/NDF: 24.1/20

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2461.450+/-837.752 χ^2/NDF: 22.0/26

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

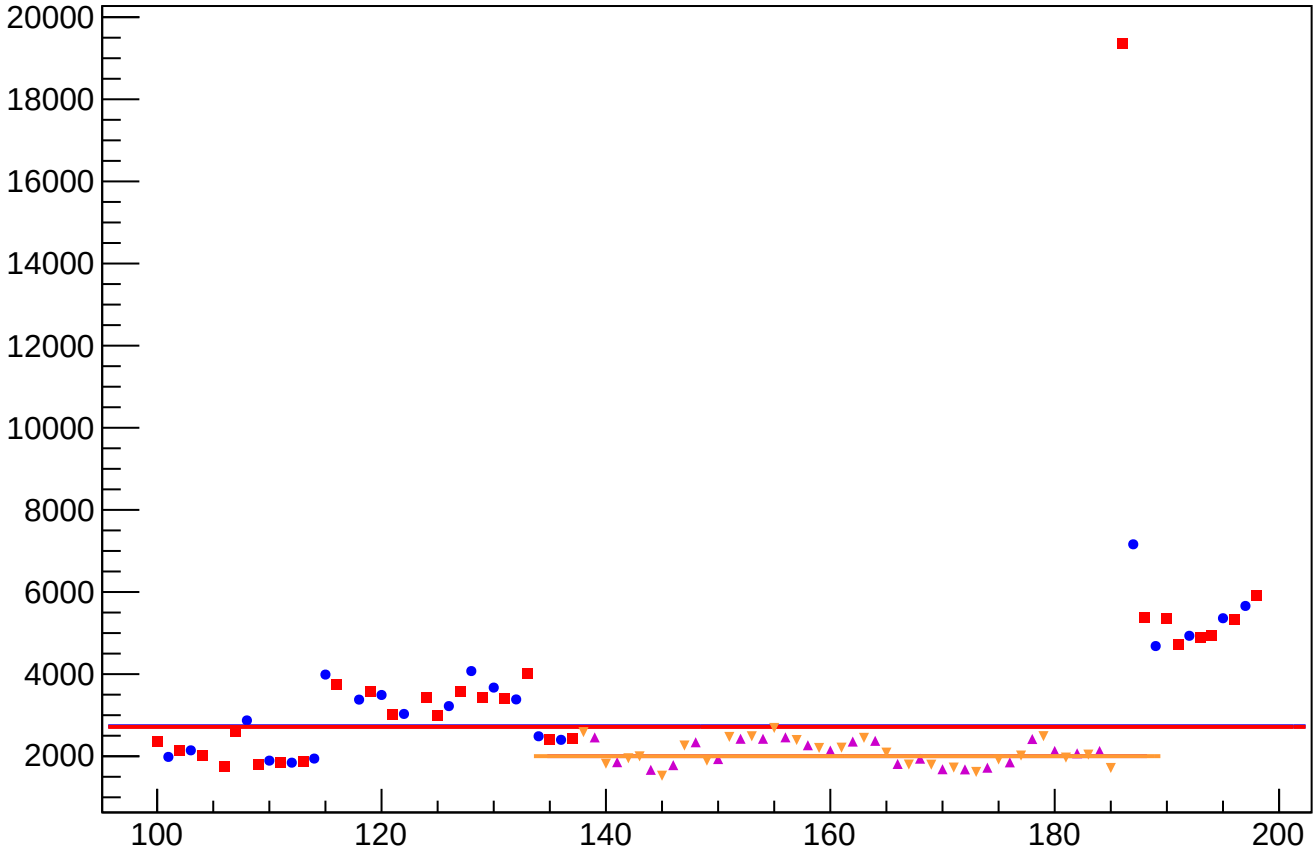
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 974.956+/-612.904 χ^2/NDF: 52.8/47

In: 85.134+/-419.353 χ^2/NDF:48.8/43

Out: -1092.582+/-404.324 χ^2/NDF:100.9/51

All: -525.207+/-291.068 χ^2/NDF: 153.8/95



Right In: 2729.720+/-0.636 χ^2/NDF: 2639868.5/20

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2714.841+/-0.592 χ^2/NDF: 4285093.5/26

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

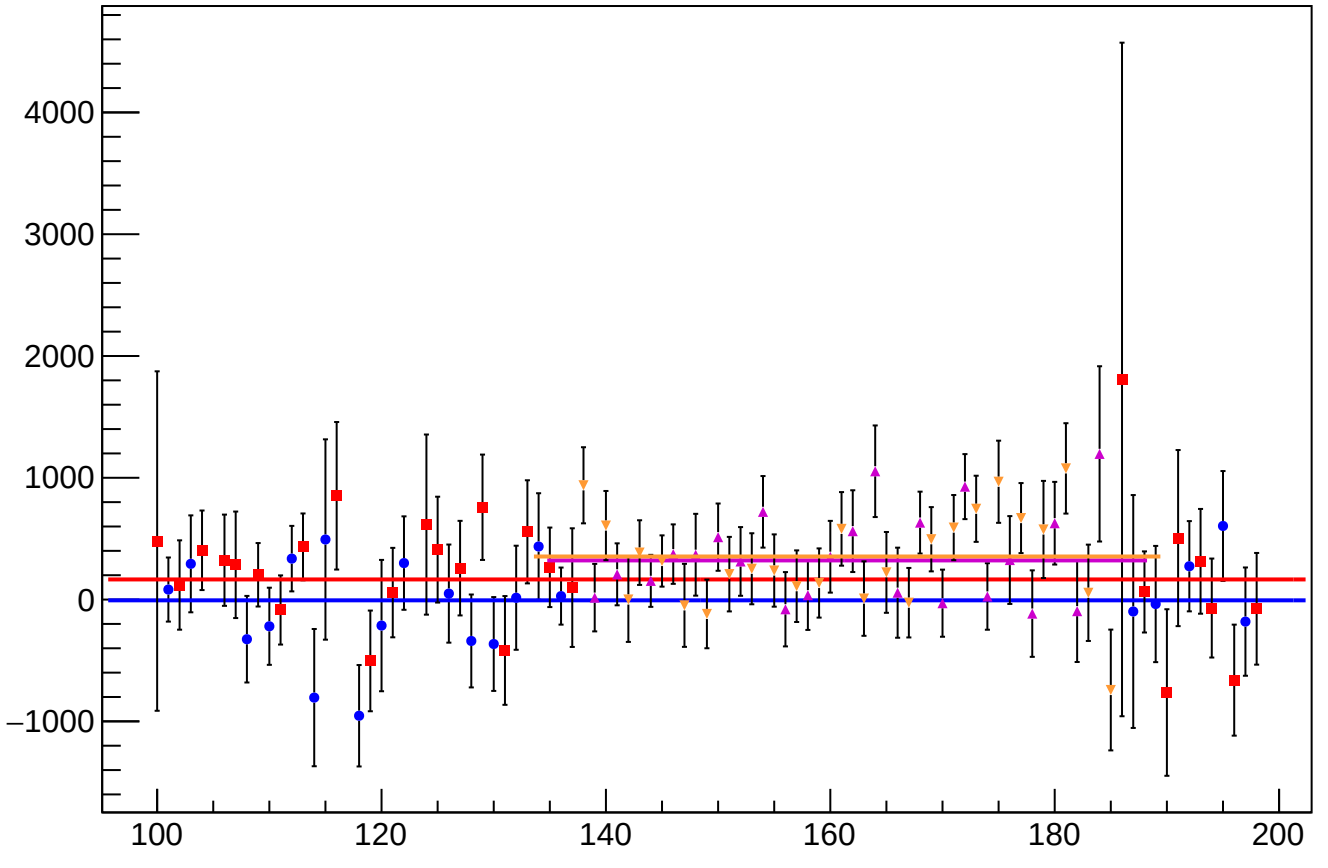
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

Right: 2721.756+/-0.433 χ^2/NDF: 6925255.3/47

In: 2162.086+/-0.297 χ^2/NDF:4363754.6/43

Out: 2168.218+/-0.286 χ^2/NDF:6287841.4/51

All: 2165.264+/-0.206 χ^2/NDF: 10651817.6/9



Right In: -6.287+/-83.182 χ^2/NDF: 17.2/20

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 165.281+/-78.184 χ^2/NDF: 18.4/26

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

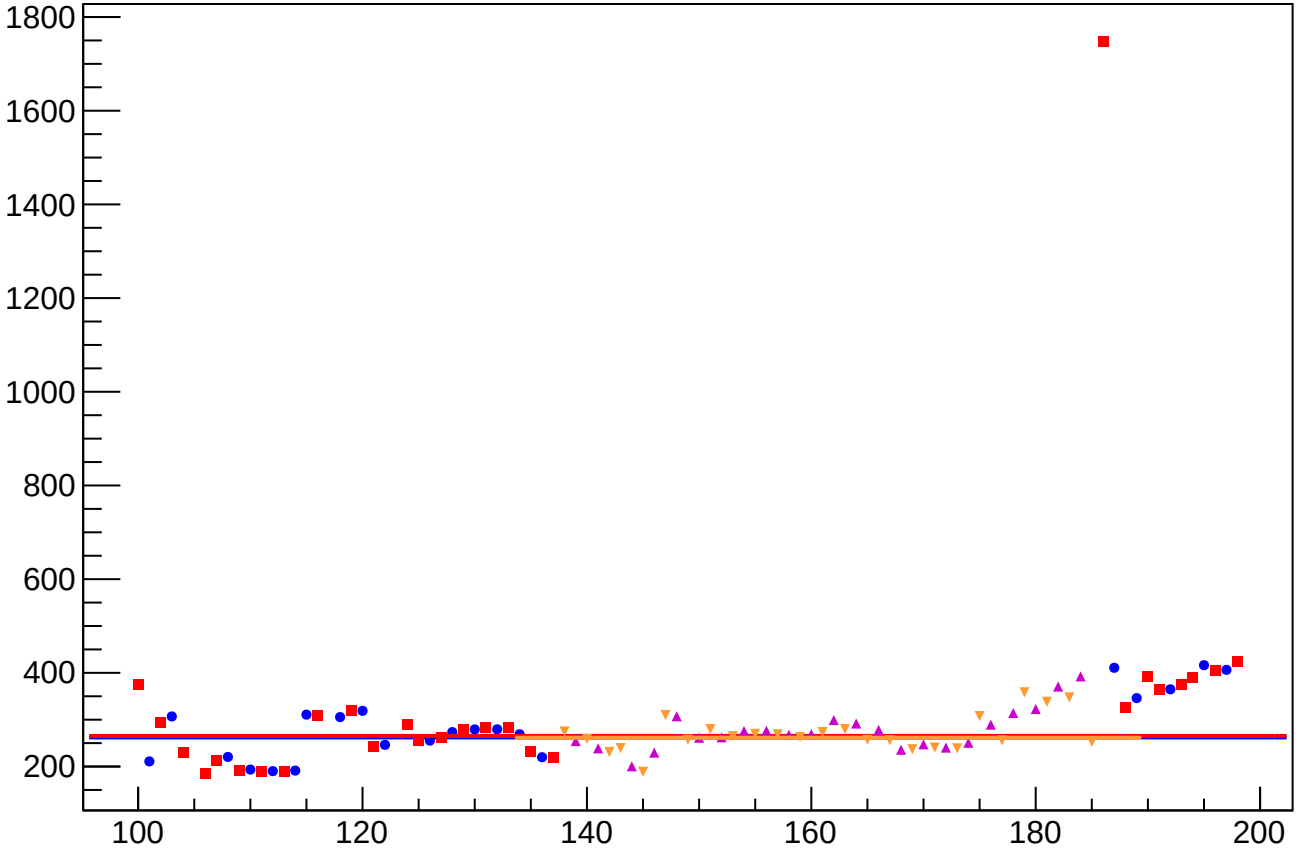
Right: 84.806+/-56.970 χ^2/NDF: 37.9/47

In: 204.169+/-49.769 χ^2/NDF:53.4/43

Out: 283.608+/-47.673 χ^2/NDF:54.4/51

All: 245.596+/-34.427 χ^2/NDF: 109.1/95

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 262.166+/-0.059 χ^2/NDF: 1234554.0/20

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 265.419+/-0.055 χ^2/NDF: 2218697.0/26

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

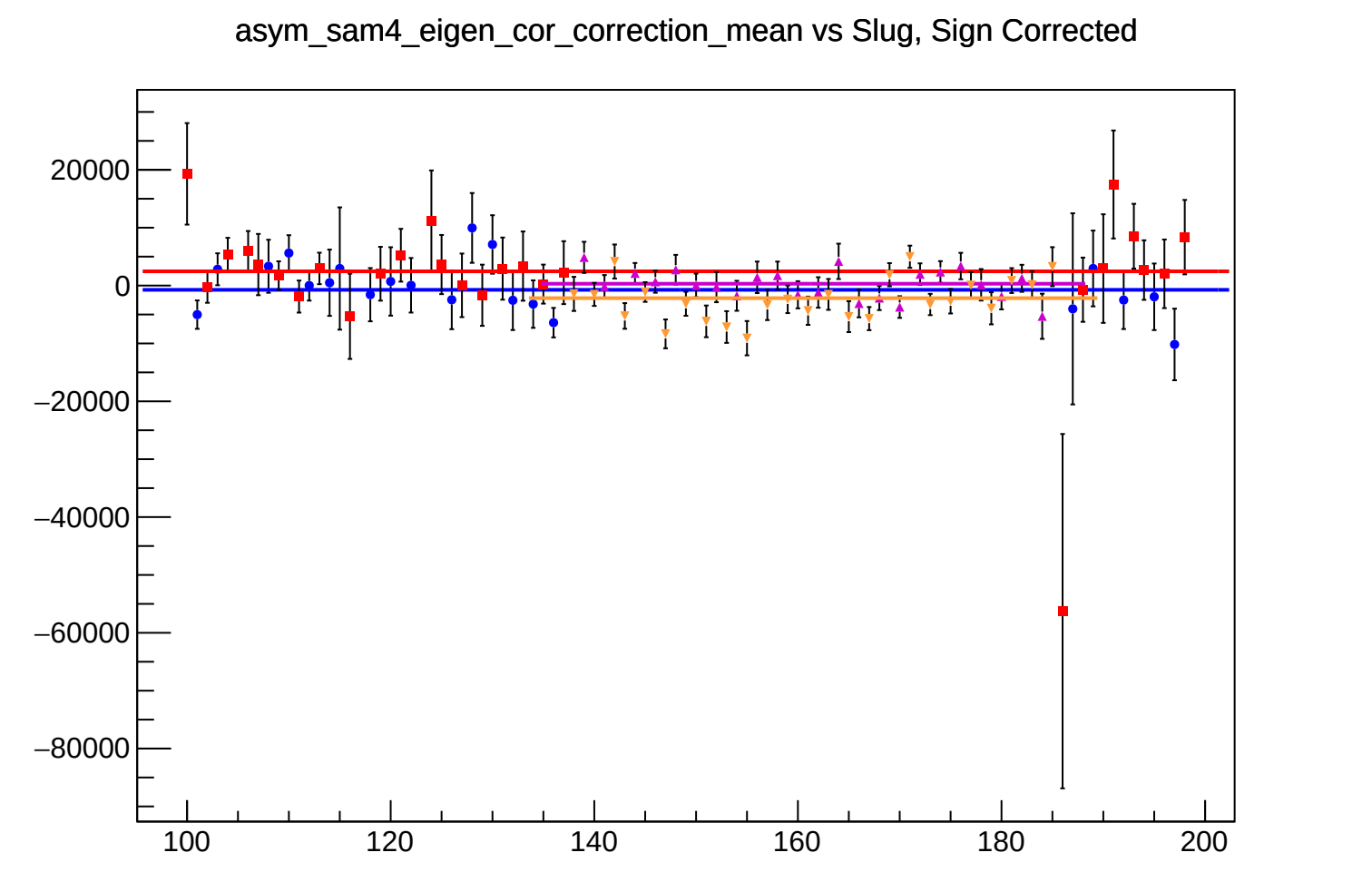
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 263.894+/-0.040 χ^2/NDF: 3454874.9/47

In: 262.455+/-0.035 χ^2/NDF:1905237.9/43

Out: 262.938+/-0.034 χ^2/NDF:2937371.2/51

All: 262.707+/-0.024 χ^2/NDF: 4842707.4/95



Right In: -737.004+/-899.044 χ^2/NDF: 24.1/20

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2461.450+/-837.752 χ^2/NDF: 22.0/26

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

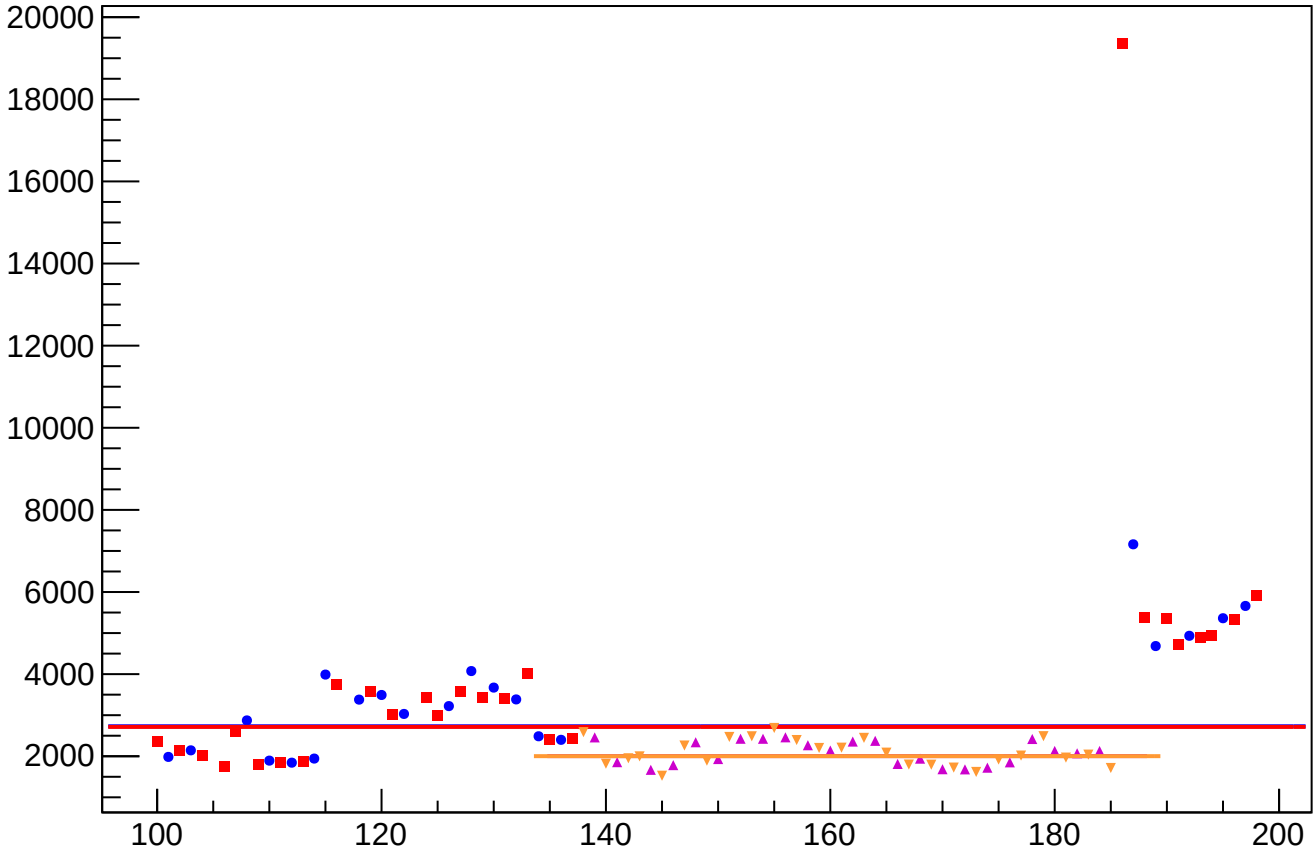
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 974.956+/-612.904 χ^2/NDF: 52.8/47

In: 85.134+/-419.353 χ^2/NDF:48.8/43

Out: -1092.582+/-404.324 χ^2/NDF:100.9/51

All: -525.207+/-291.068 χ^2/NDF: 153.8/95



Right In: 2729.720+/-0.636 χ^2/NDF: 2639868.5/20

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2714.841+/-0.592 χ^2/NDF: 4285093.5/26

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

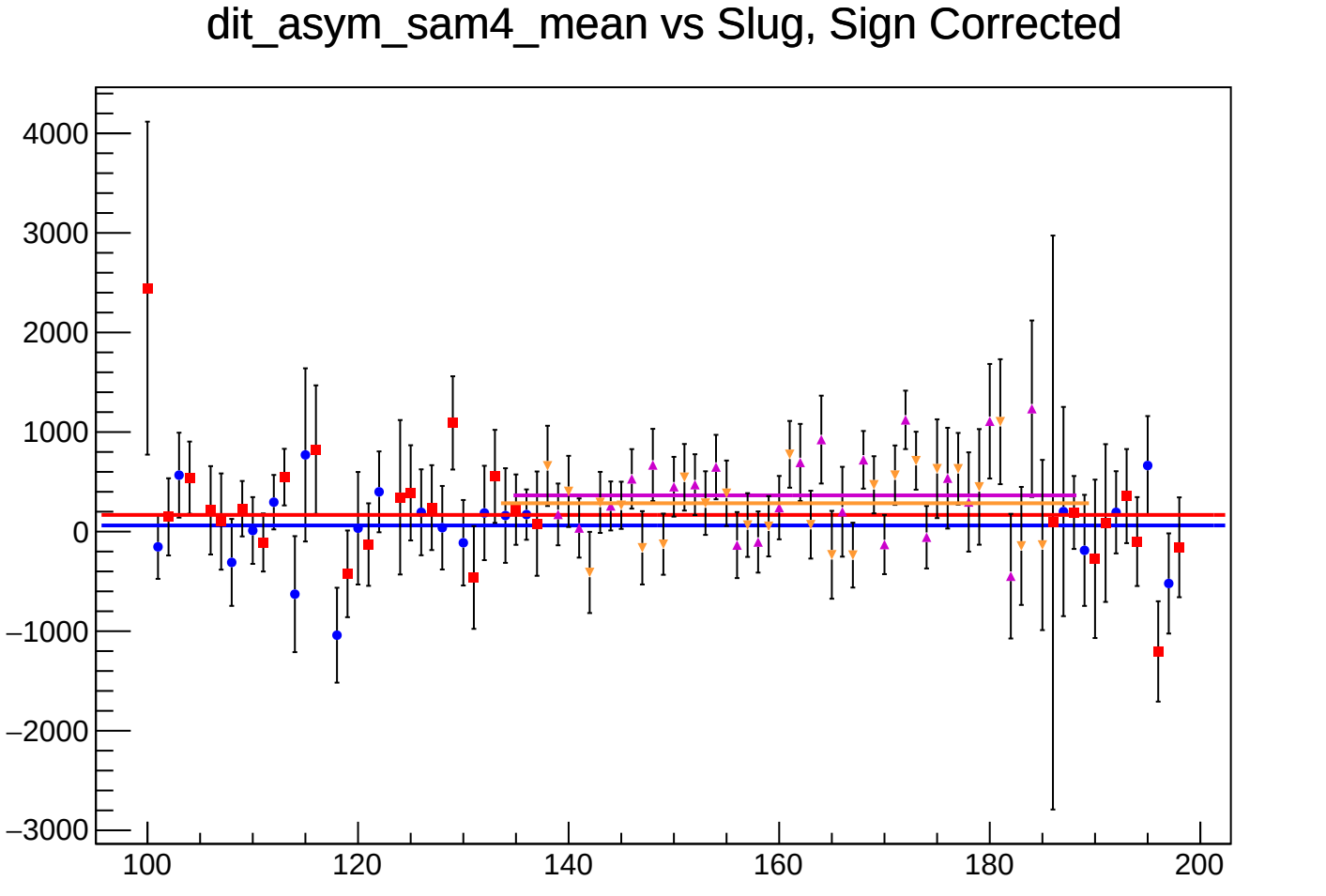
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

Right: 2721.756+/-0.433 χ^2/NDF: 6925255.3/47

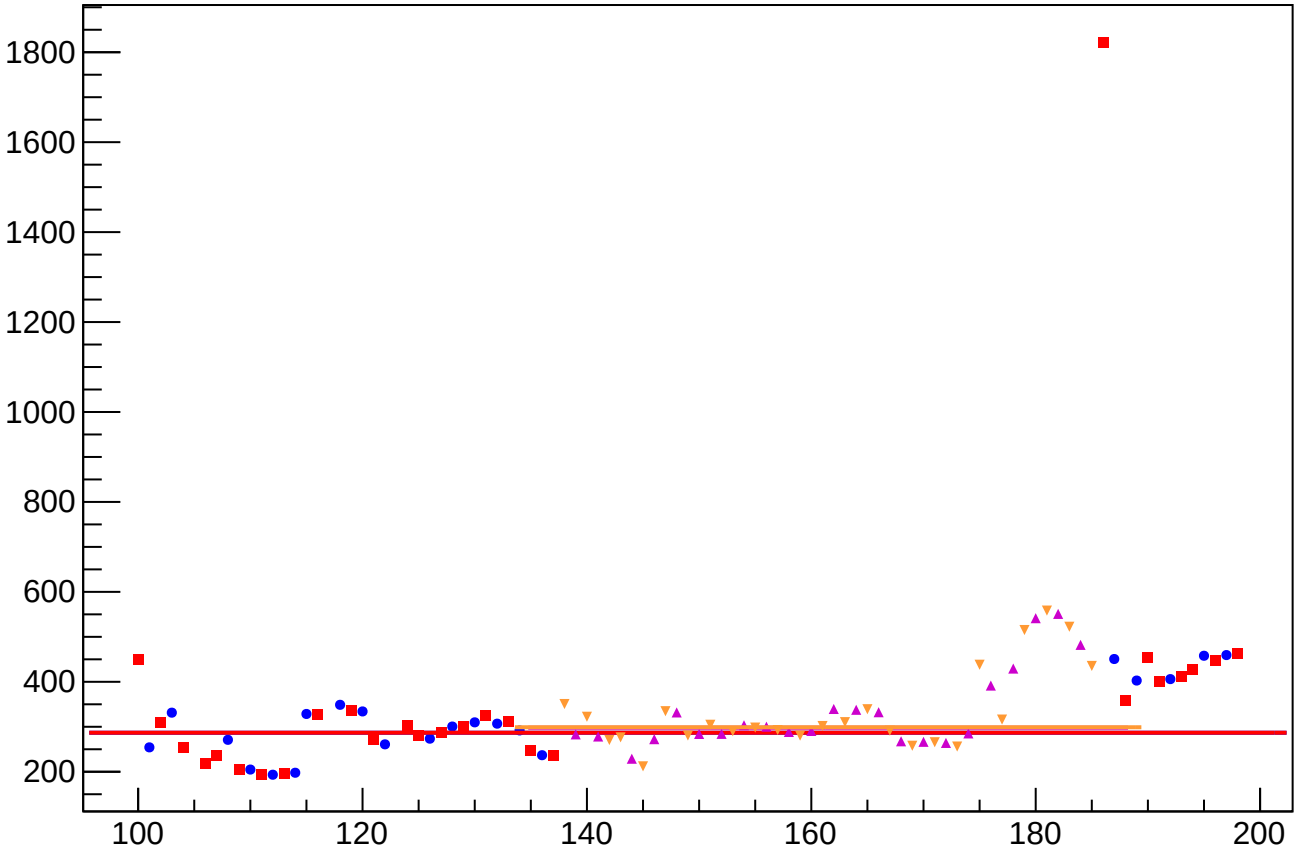
In: 2162.086+/-0.297 χ^2/NDF:4363754.6/43

Out: 2168.218+/-0.286 χ^2/NDF:6287841.4/51

All: 2165.264+/-0.206 χ^2/NDF: 10651817.6/9


dit_asym_sam4_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
−3000
100
120
140
160
180
200
Right In: 62.045+/-91.455 χ²/NDF: 15.1/20
Left Out: 284.913+/-70.036 χ²/NDF:22.8/24
Right Out: 167.635+/-84.874 χ²/NDF: 24.2/26
Left In: 364.163+/-71.714 χ²/NDF:28.2/22
Left: 323.600+/-50.106 χ²/NDF: 51.7/47
Right: 118.776+/-62.211 χ²/NDF: 40.0/47
In: 249.129+/-56.433 χ²/NDF:50.1/43
Out: 237.405+/-54.019 χ²/NDF:48.1/51
All: 243.011+/-39.023 χ²/NDF: 98.2/95

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 286.690+/-0.065 χ^2/NDF: 1372356.6/20

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 286.805+/-0.060 χ^2/NDF: 2356681.4/26

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

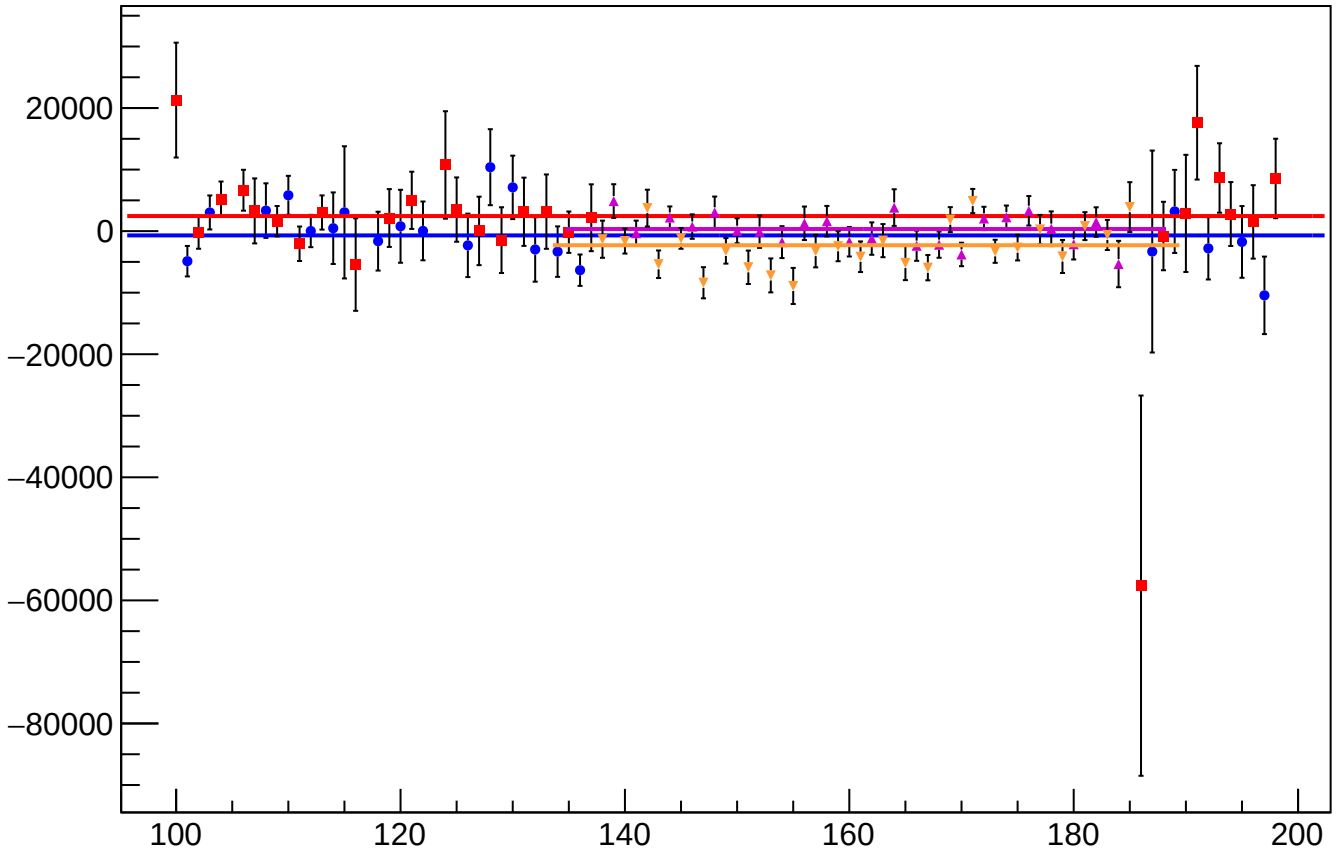
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 286.752+/-0.044 χ^2/NDF: 3729039.8/47

In: 293.623+/-0.040 χ^2/NDF:2709975.9/43

Out: 294.023+/-0.038 χ^2/NDF:3994071.3/51

All: 293.832+/-0.028 χ^2/NDF: 6704099.8/95



Right In: -695.113+/-907.003 χ^2/NDF: 24.2/20

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: 2449.108+/-842.659 χ^2/NDF: 23.0/26

Left In: 342.609+/-483.605 χ^2/NDF:22.8/22

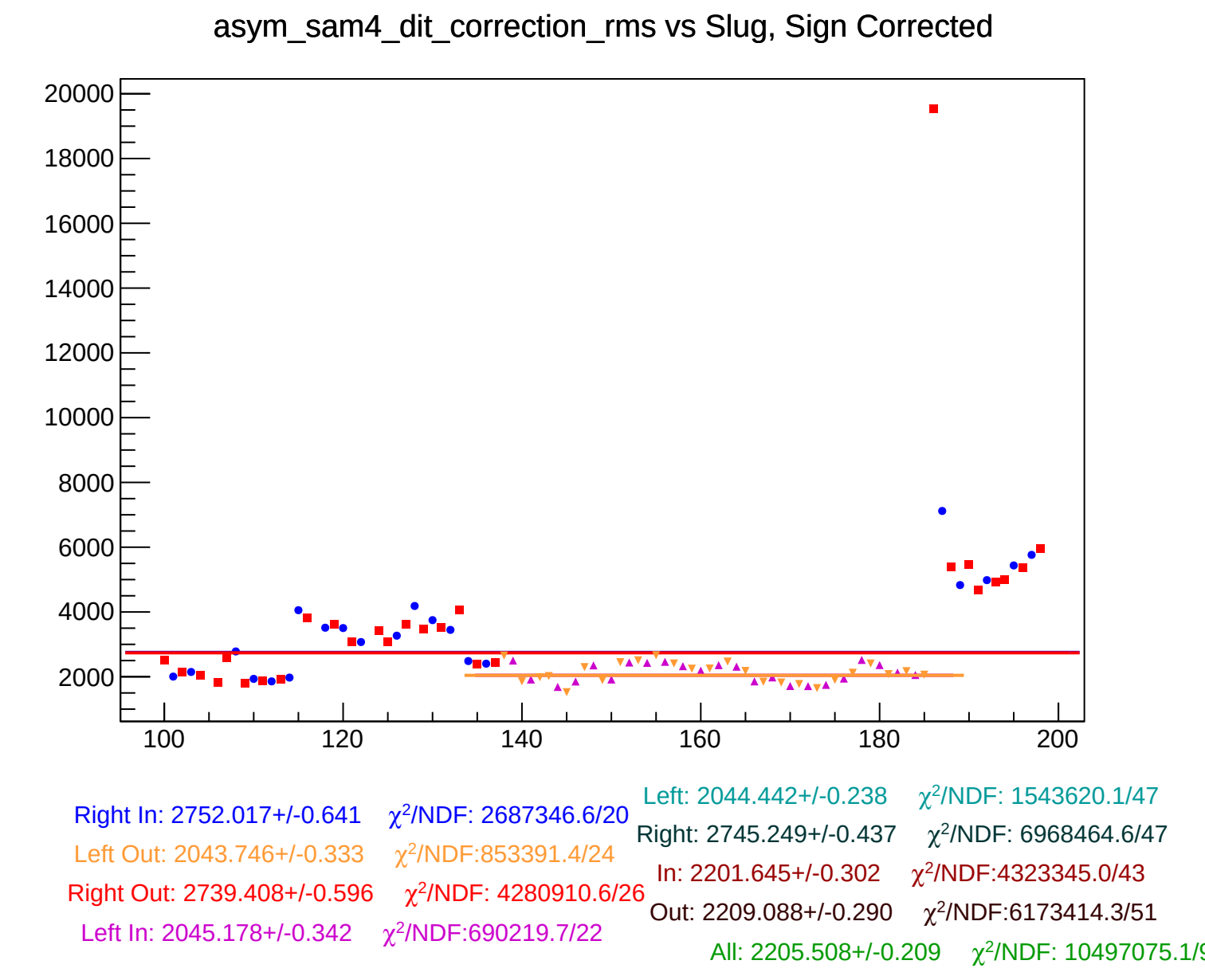
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

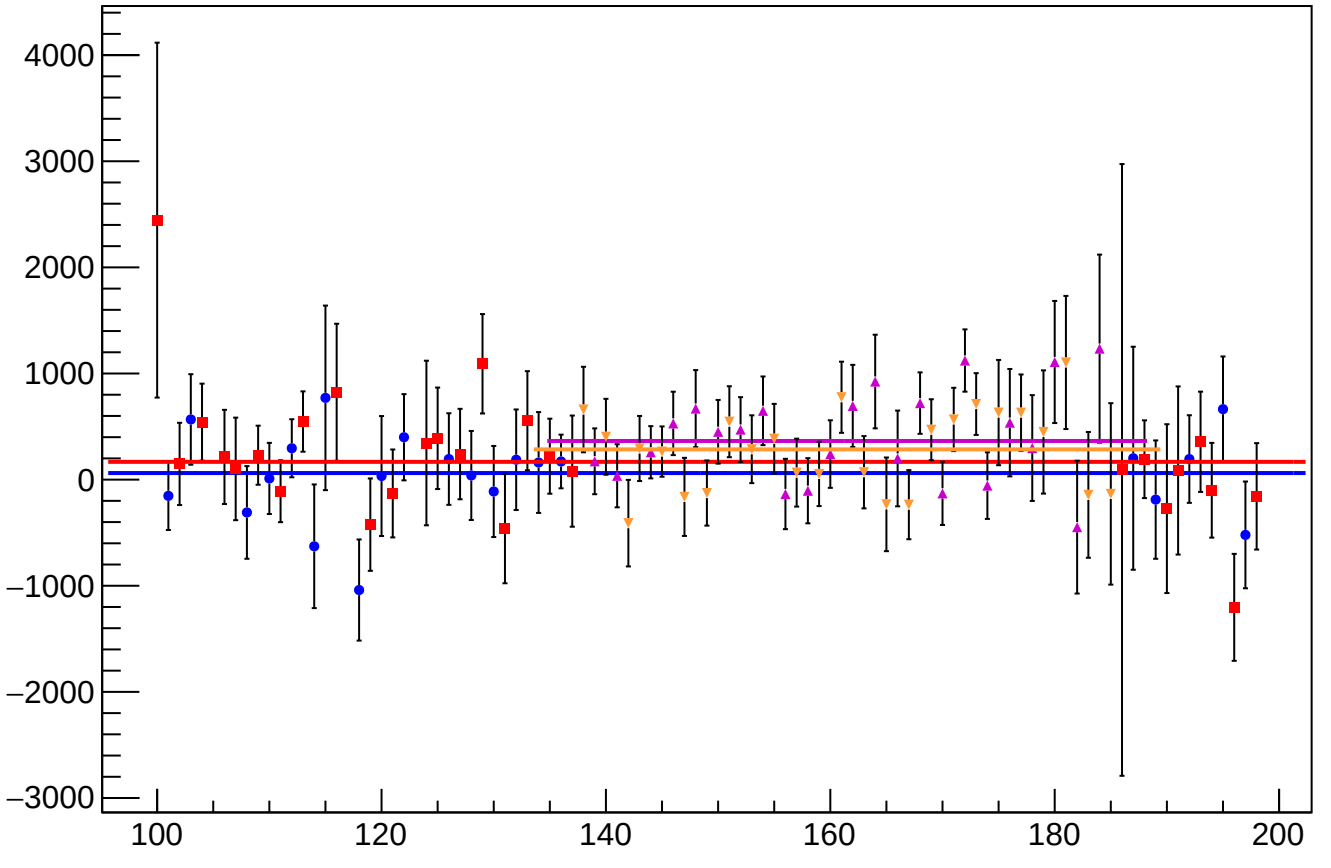
Right: 992.470+/-617.345 χ^2/NDF: 53.7/47

In: 112.898+/-426.736 χ^2/NDF:48.1/43

Out: -1164.379+/-410.814 χ^2/NDF:98.8/51

All: -550.012+/-295.958 χ^2/NDF: 151.6/95


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: 2752.017+/-0.641 χ²/NDF: 2687346.6/20
Left Out: 2043.746+/-0.333 χ²/NDF:853391.4/24
Right Out: 2739.408+/-0.596 χ²/NDF: 4280910.6/26
Left In: 2045.178+/-0.342 χ²/NDF:690219.7/22
Left: 2044.442+/-0.238 χ²/NDF: 1543620.1/47
Right: 2745.249+/-0.437 χ²/NDF: 6968464.6/47
In: 2201.645+/-0.302 χ²/NDF:4323345.0/43
Out: 2209.088+/-0.290 χ²/NDF:6173414.3/51
All: 2205.508+/-0.209 χ²/NDF: 10497075.1/9



Right In: 62.049+/-91.455 χ^2/NDF: 15.1/20

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: 167.634+/-84.874 χ^2/NDF: 24.2/26

Left In: 364.164+/-71.714 χ^2/NDF:28.2/22

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

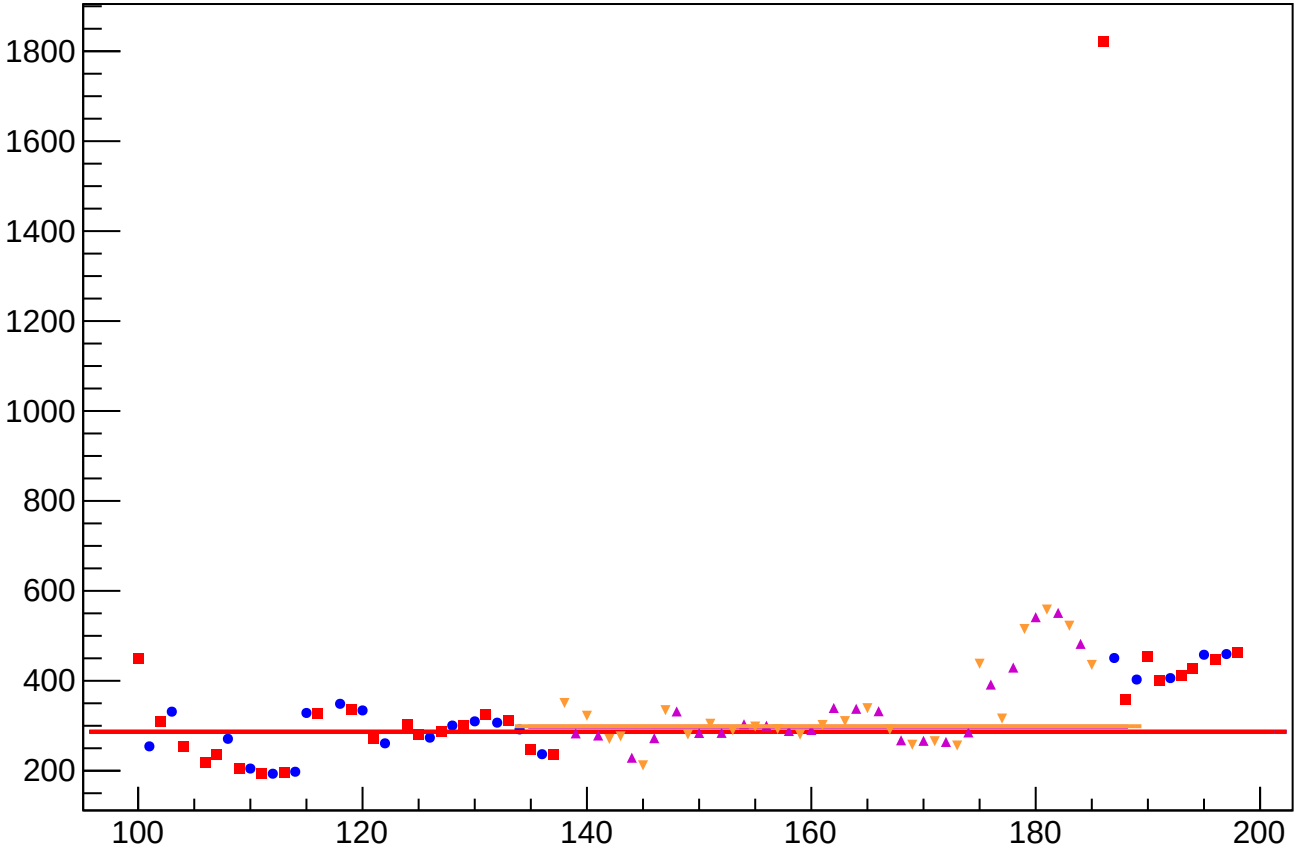
Right: 118.777+/-62.211 χ^2/NDF: 40.0/47

In: 249.131+/-56.433 χ^2/NDF:50.1/43

Out: 237.407+/-54.019 χ^2/NDF:48.1/51

All: 243.013+/-39.023 χ^2/NDF: 98.2/95

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 286.690+/-0.065 χ^2/NDF: 1372351.9/20

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 286.805+/-0.060 χ^2/NDF: 2356682.3/26

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

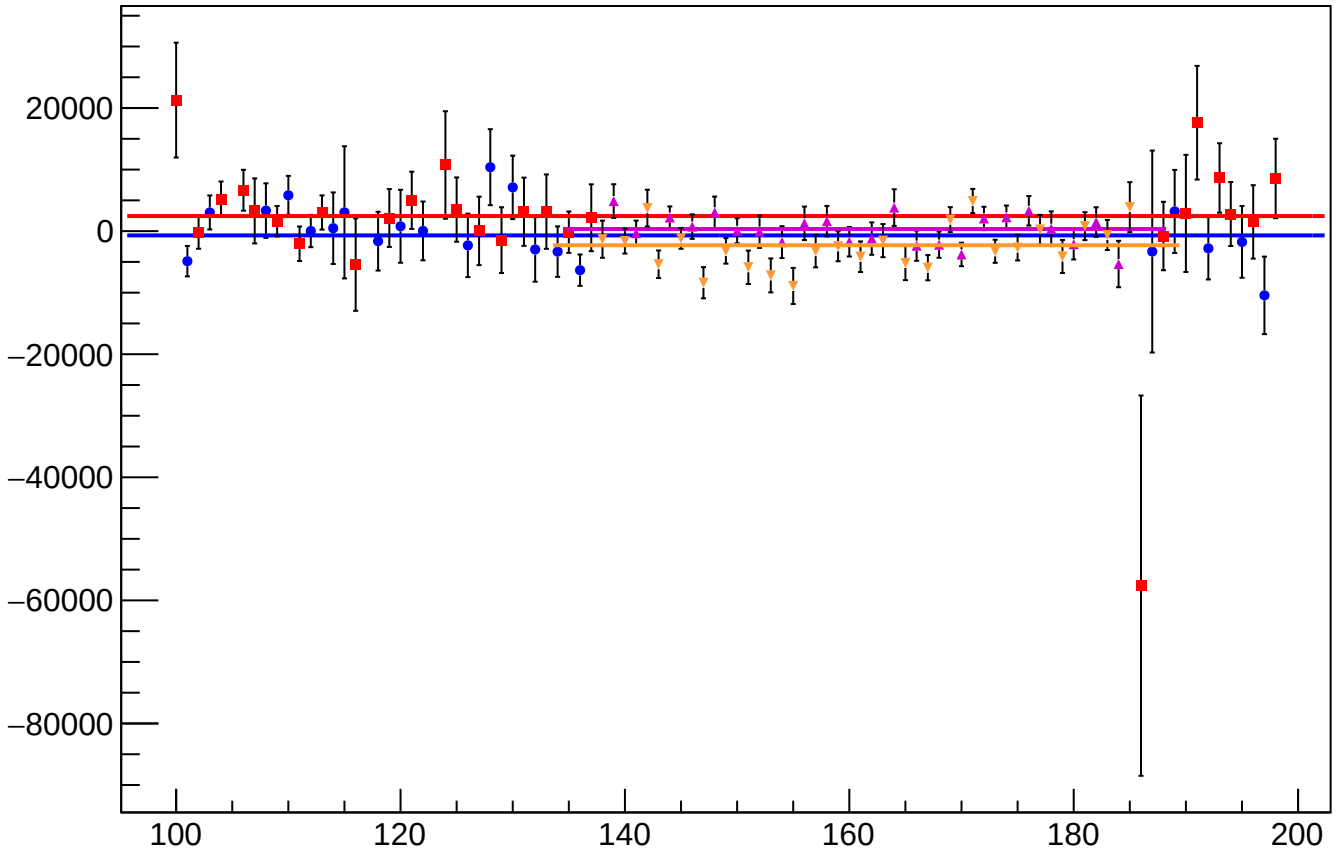
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 286.752+/-0.044 χ^2/NDF: 3729035.9/47

In: 293.623+/-0.040 χ^2/NDF:2709953.7/43

Out: 294.023+/-0.038 χ^2/NDF:3994070.6/51

All: 293.832+/-0.028 χ^2/NDF: 6704076.9/95



Right In: -695.112+/-907.002 χ^2/NDF: 24.2/20

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: 2449.106+/-842.658 χ^2/NDF: 23.0/26

Left In: 342.606+/-483.604 χ^2/NDF:22.8/22

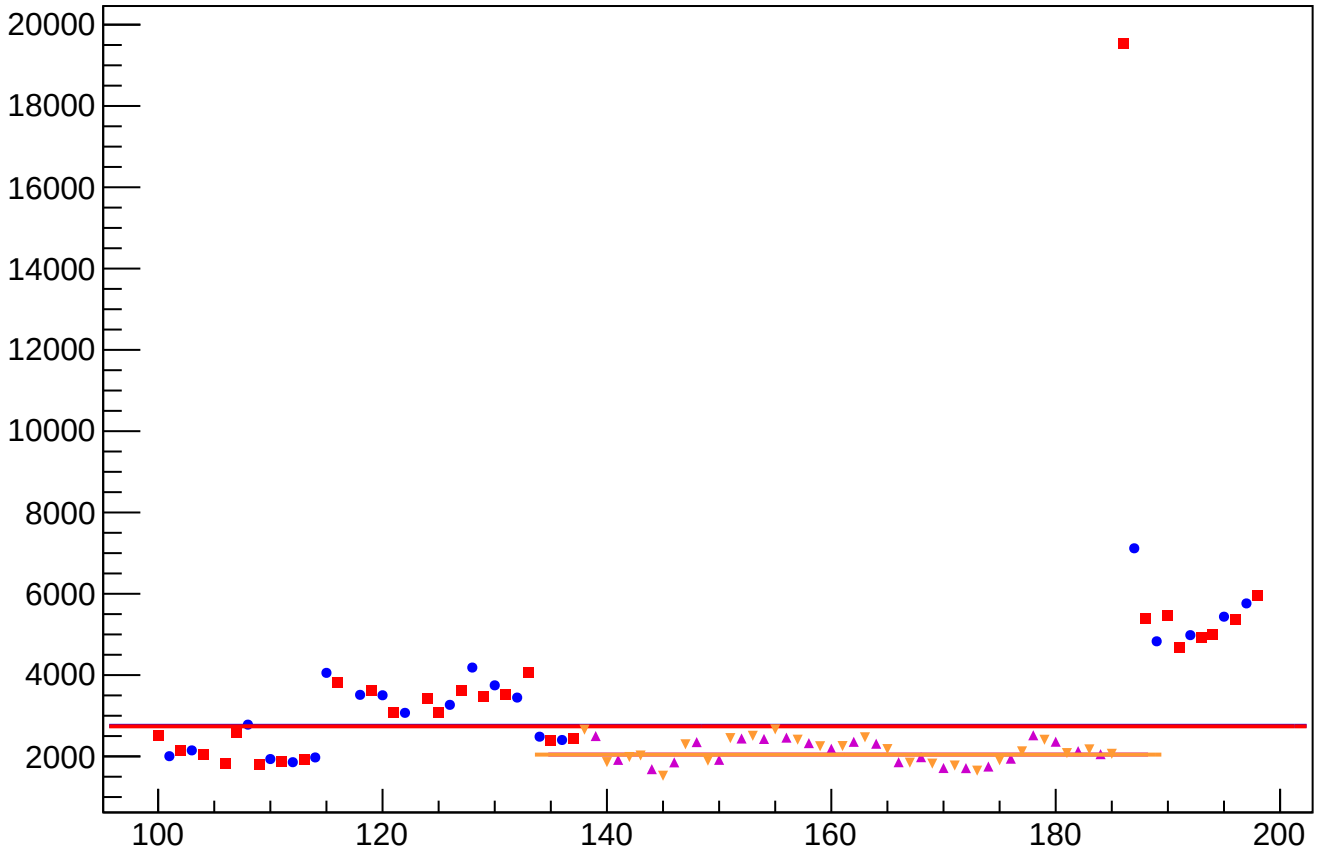
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 992.470+/-617.344 χ^2/NDF: 53.7/47

In: 112.896+/-426.735 χ^2/NDF:48.1/43

Out: -1164.377+/-410.814 χ^2/NDF:98.8/51

All: -550.012+/-295.958 χ^2/NDF: 151.6/95



Right In: 2752.015+/-0.641 χ^2/NDF: 2687348.1/20

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2739.406+/-0.596 χ^2/NDF: 4280907.9/26

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

Left: 2044.439+/-0.238 χ^2/NDF: 1543620.9/47

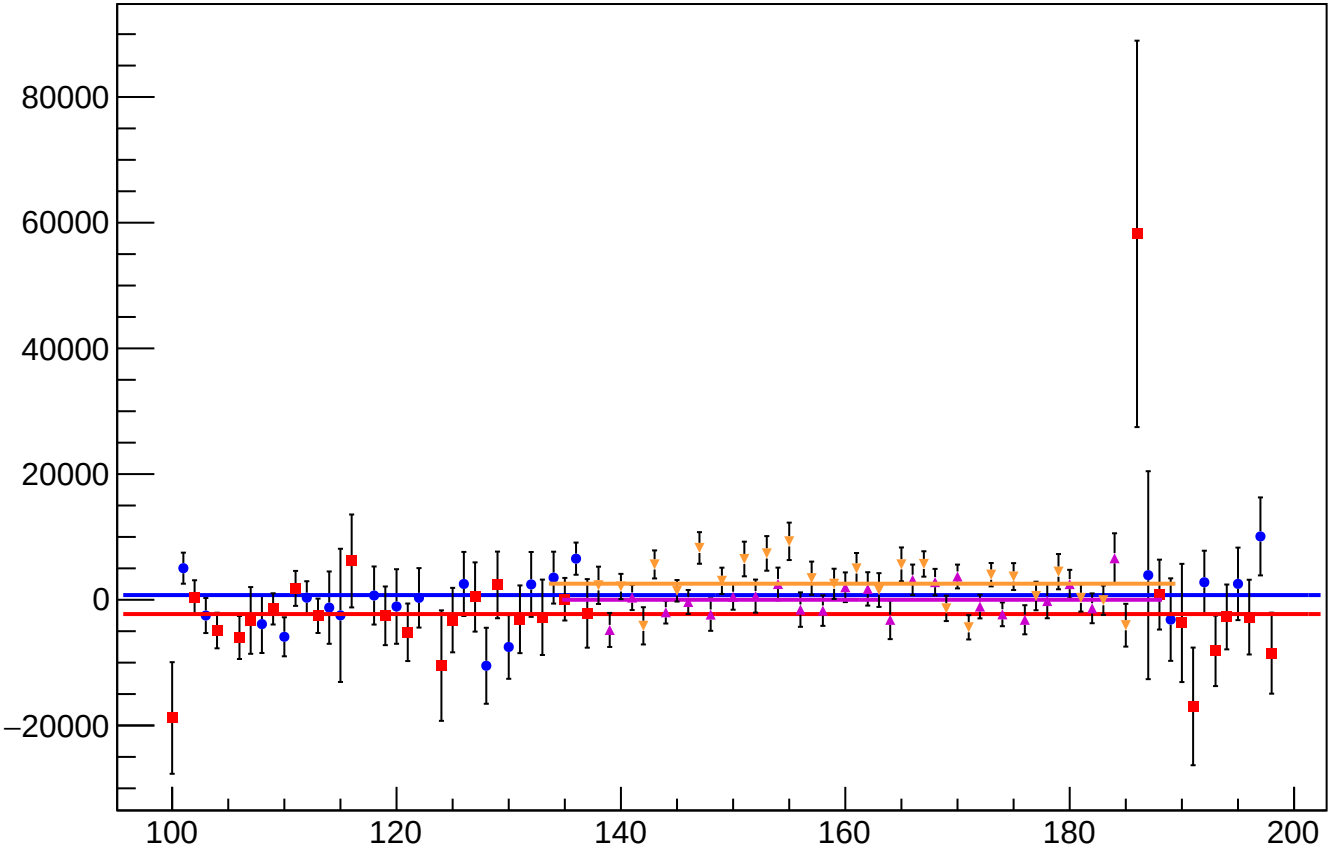
Right: 2745.247+/-0.437 χ^2/NDF: 6968463.4/47

In: 2201.642+/-0.302 χ^2/NDF:4323349.3/43

Out: 2209.085+/-0.290 χ^2/NDF:6173419.4/51

All: 2205.505+/-0.209 χ^2/NDF: 10497084.5/9

asym_sam4_mean vs Slug, Sign Corrected



Right In: 747.855+/-903.817 χ^2/NDF: 25.1/20

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: -2272.098+/-841.193 χ^2/NDF: 21.7/26

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

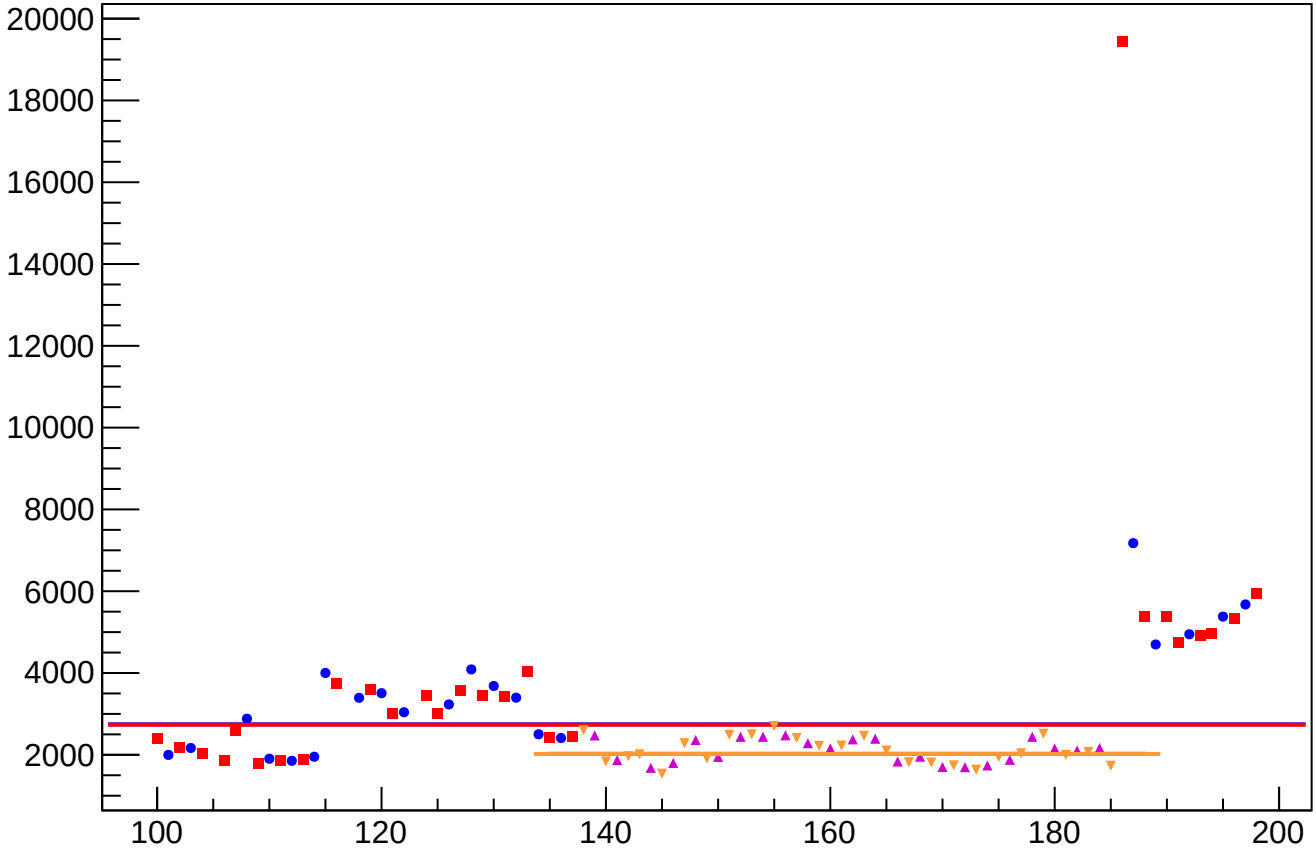
Right: -870.361+/-615.763 χ^2/NDF: 52.8/47

In: 166.445+/-422.900 χ^2/NDF:50.3/43

Out: 1424.788+/-407.593 χ^2/NDF:99.6/51

All: 818.802+/-293.474 χ^2/NDF: 154.5/95

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2745.625+/-0.639 χ^2/NDF: 2621768.0/20

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 2735.253+/-0.595 χ^2/NDF: 4232697.3/26

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

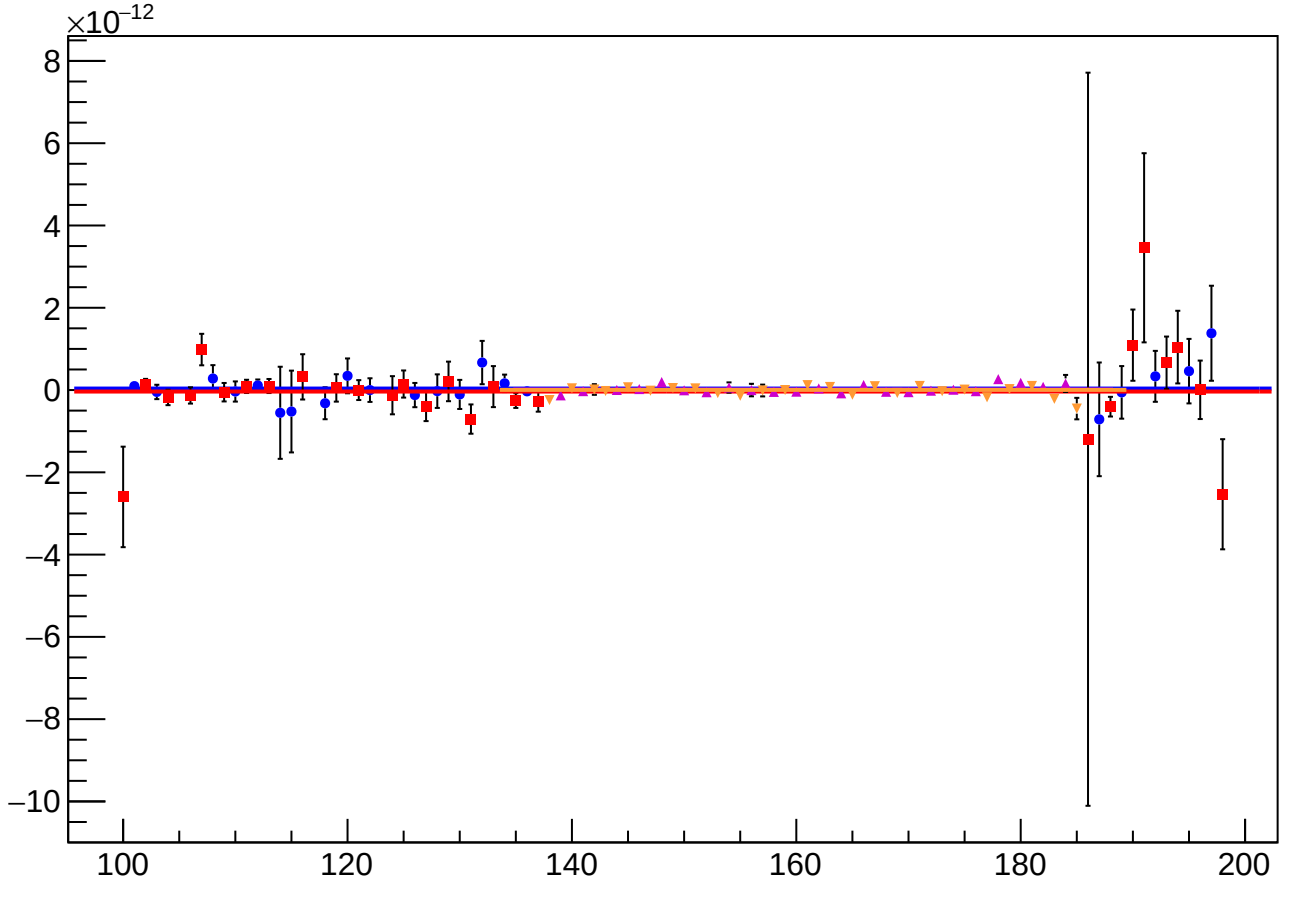
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 2740.067+/-0.435 χ^2/NDF: 6854606.4/47

In: 2181.429+/-0.299 χ^2/NDF:4315617.9/43

Out: 2188.896+/-0.288 χ^2/NDF:6216636.4/51

All: 2185.300+/-0.208 χ^2/NDF: 10532577.6/9



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.8/26

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

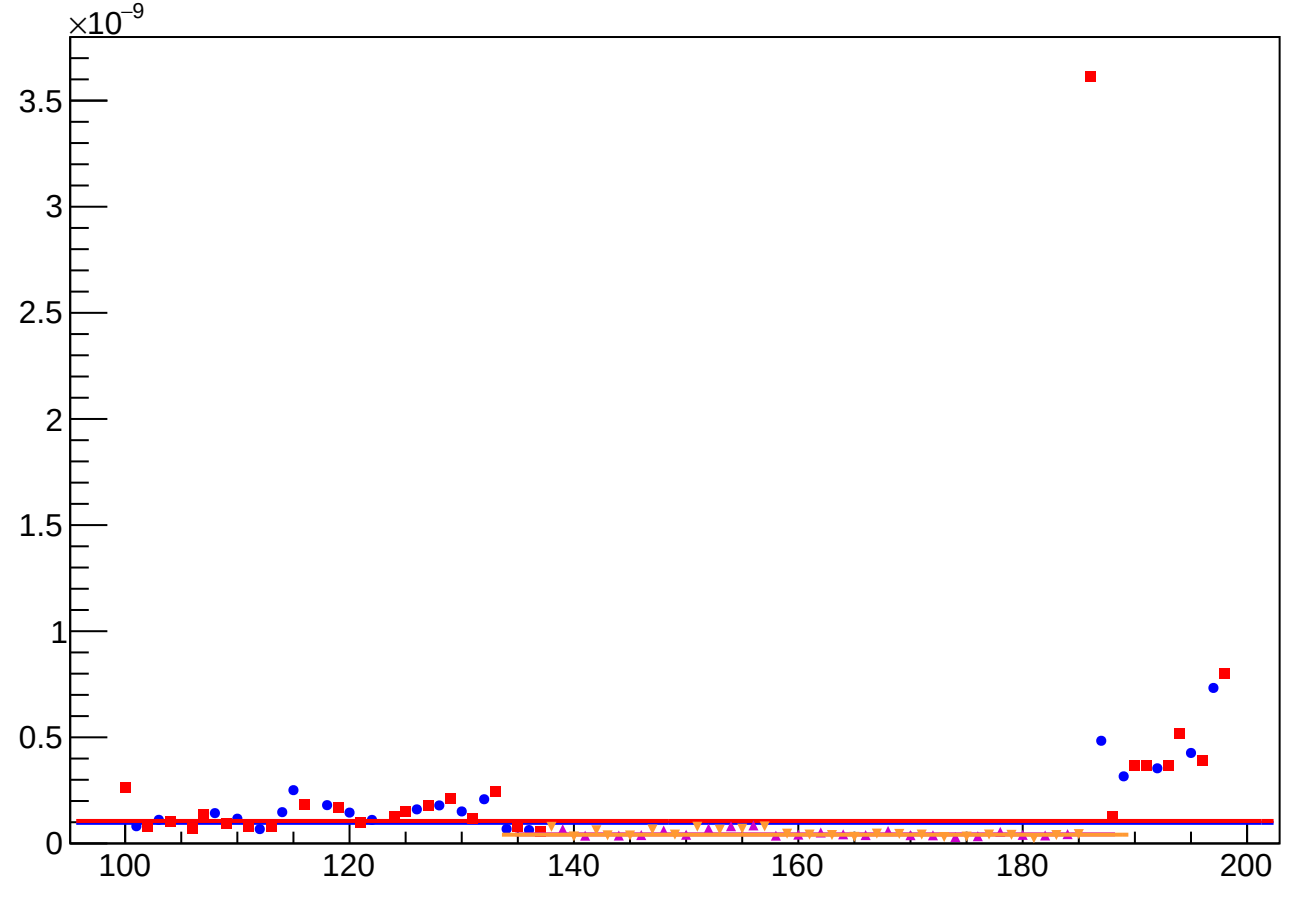
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 45.0/47

In: 0.000+/-0.000 χ^2/NDF:29.4/43

Out: 0.000+/-0.000 χ^2/NDF:68.4/51

All: 0.000+/-0.000 χ^2/NDF: 98.1/95



Right In: 0.000+/-0.000 χ^2/NDF: 2653747.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3058005.1/26

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

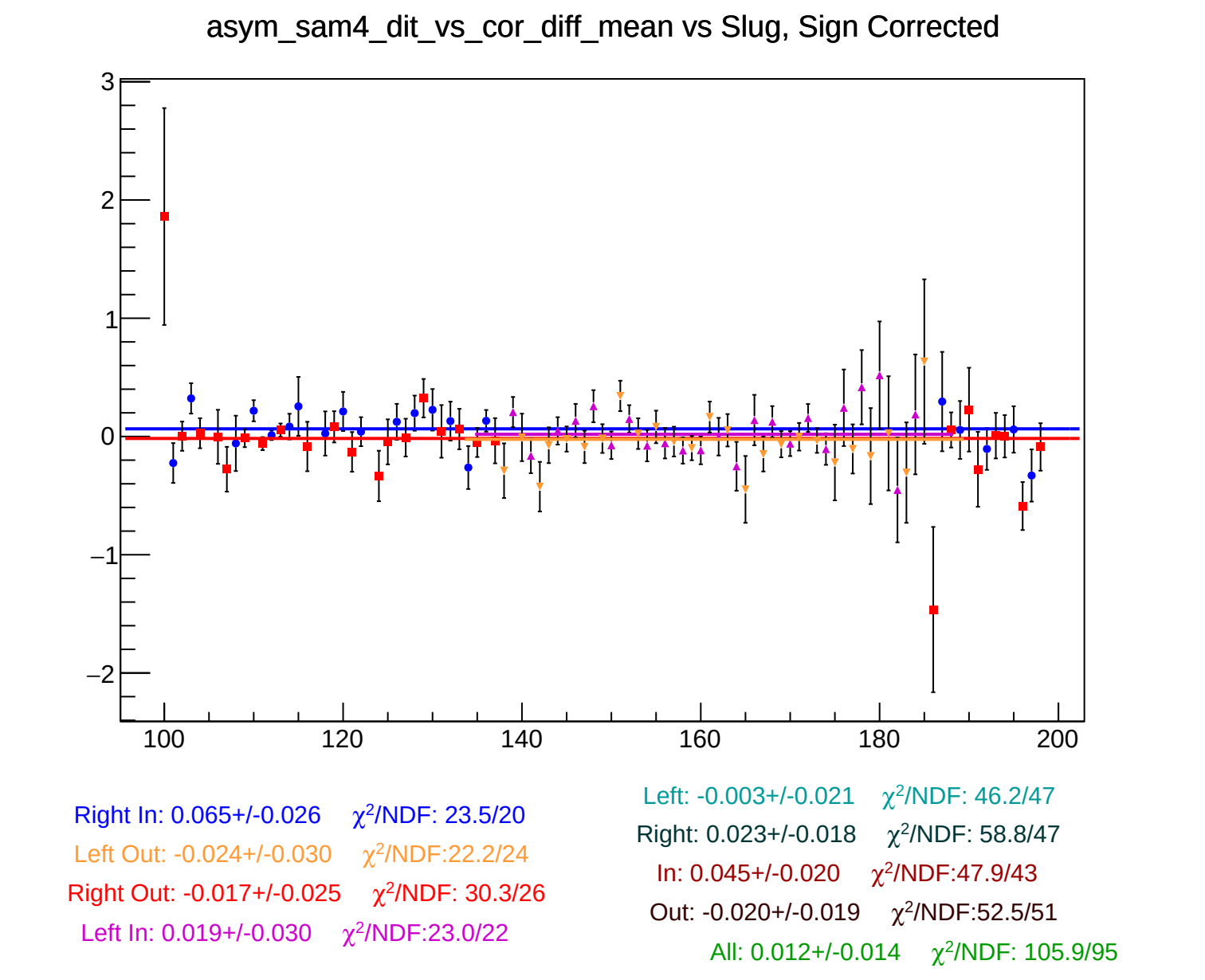
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 5739771.5/47

In: 0.000+/-0.000 χ^2/NDF:5552077.2/43

Out: 0.000+/-0.000 χ^2/NDF:6950950.1/51

All: 0.000+/-0.000 χ^2/NDF: 12514408.6/95


asym_sam4_dit_vs_cor_diff_mean vs Slug, Sign Corrected
3
2
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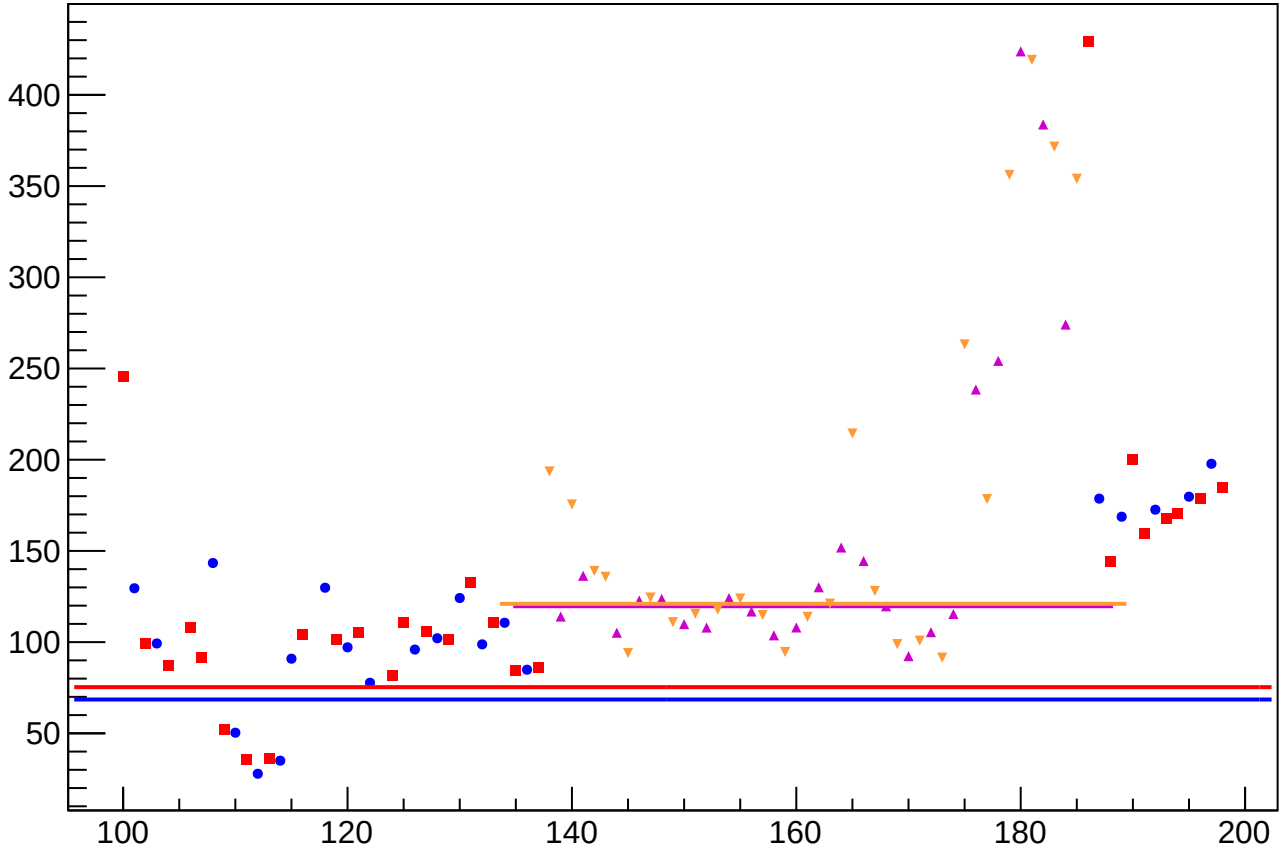
−2
100
120
140
160
180
200
Right In: 0.065+/-0.026 χ²/NDF: 23.5/20
Left Out: -0.024+/-0.030 χ²/NDF:22.2/24
Right Out: -0.017+/-0.025 χ²/NDF: 30.3/26
Left In: 0.019+/-0.030 χ²/NDF:23.0/22
Left: -0.003+/-0.021 χ²/NDF: 46.2/47
Right: 0.023+/-0.018 χ²/NDF: 58.8/47
In: 0.045+/-0.020 χ²/NDF:47.9/43
Out: -0.020+/-0.019 χ²/NDF:52.5/51
All: 0.012+/-0.014 χ²/NDF: 105.9/95

asym_sam4_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.543+/-0.018 χ^2/NDF: 6211129.6/20

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 75.329+/-0.018 χ^2/NDF: 6508068.3/26

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

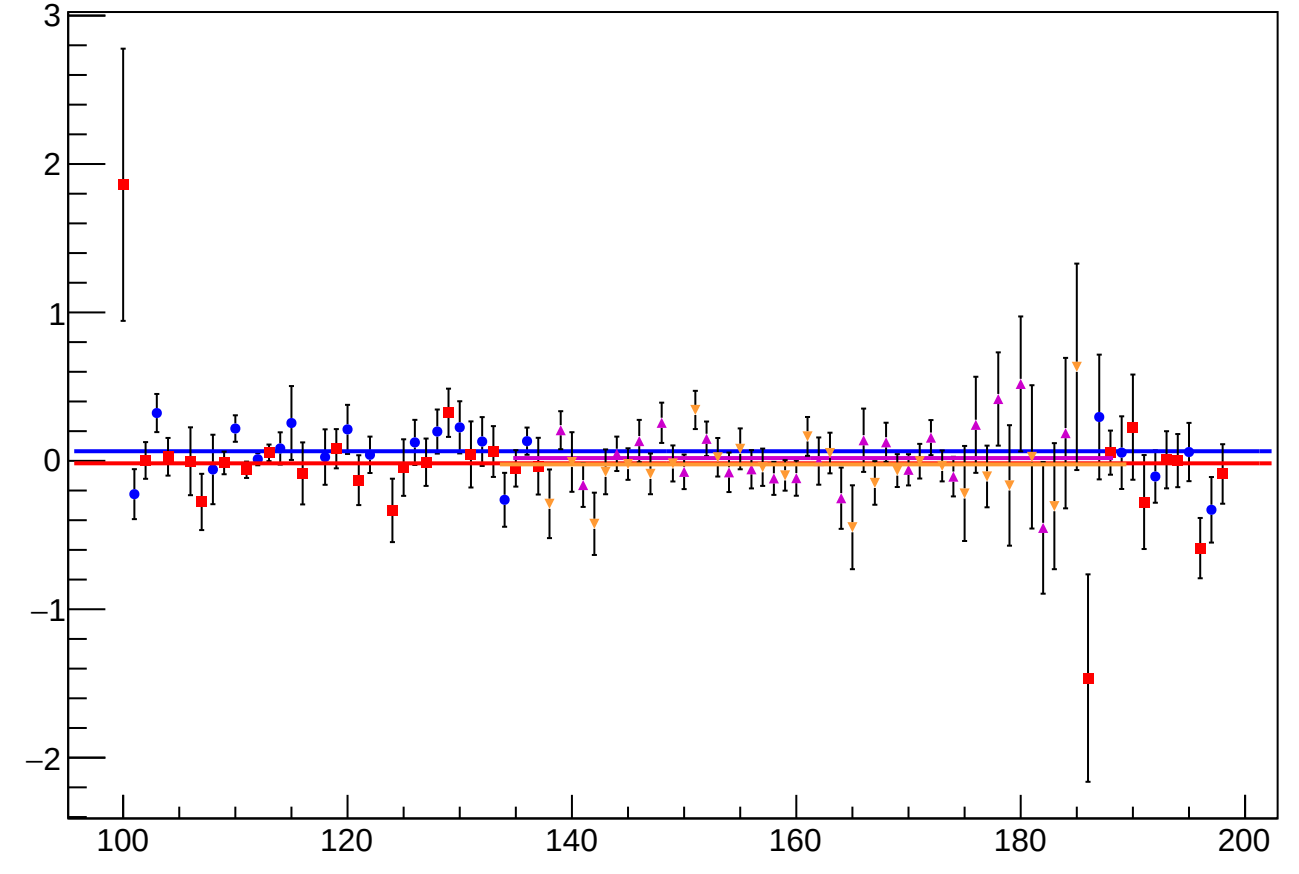
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 72.037+/-0.013 χ^2/NDF: 12788982.7/47

In: 90.357+/-0.014 χ^2/NDF:12331947.3/43

Out: 94.387+/-0.014 χ^2/NDF:13321708.4/51

All: 92.416+/-0.010 χ^2/NDF: 25696230.1/95



Right In: 0.065+/-0.026 χ^2/NDF: 23.5/20

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.017+/-0.025 χ^2/NDF: 30.3/26

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

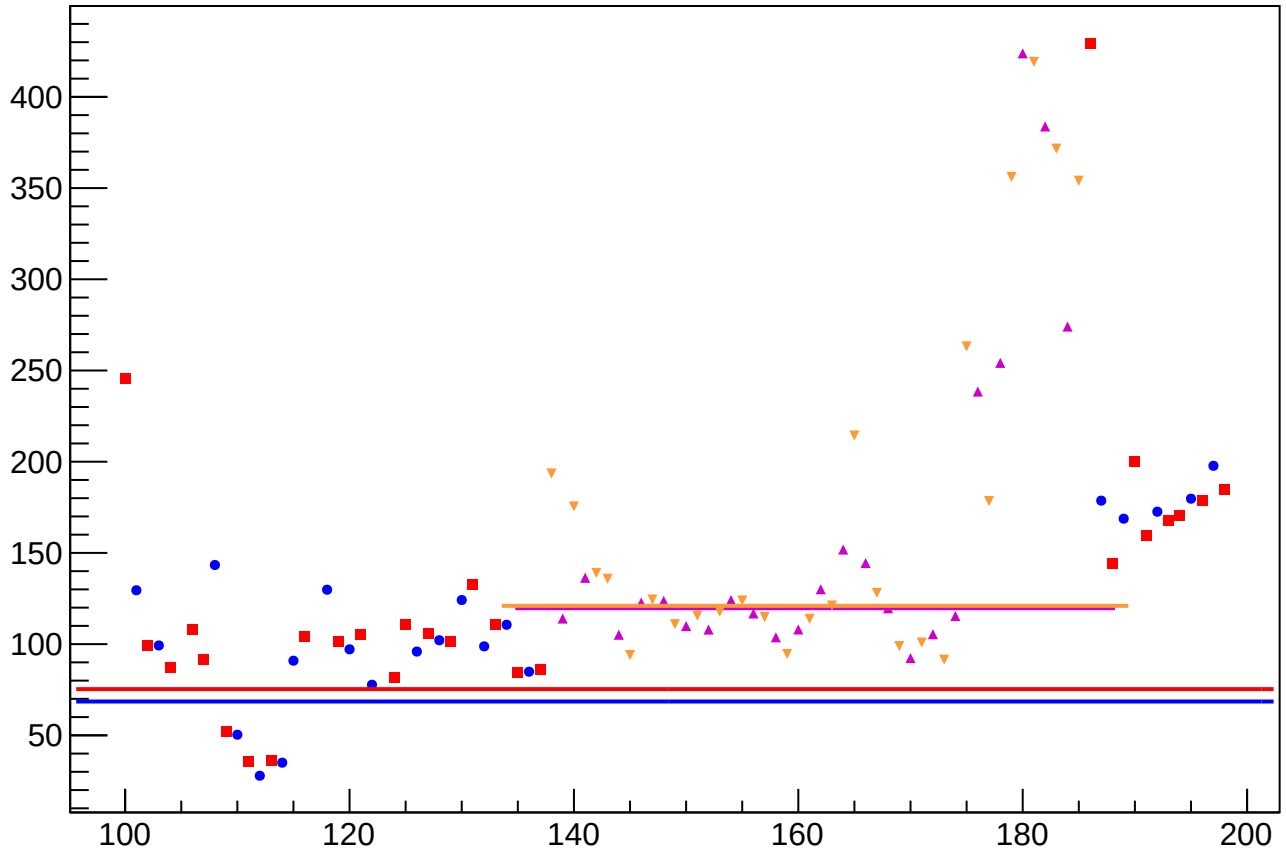
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.023+/-0.018 χ^2/NDF: 58.8/47

In: 0.045+/-0.020 χ^2/NDF:47.9/43

Out: -0.020+/-0.019 χ^2/NDF:52.5/51

All: 0.012+/-0.014 χ^2/NDF: 105.9/95



Right In: 68.543+/-0.018 χ^2/NDF: 6211129.6/20

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 75.329+/-0.018 χ^2/NDF: 6508068.3/26

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

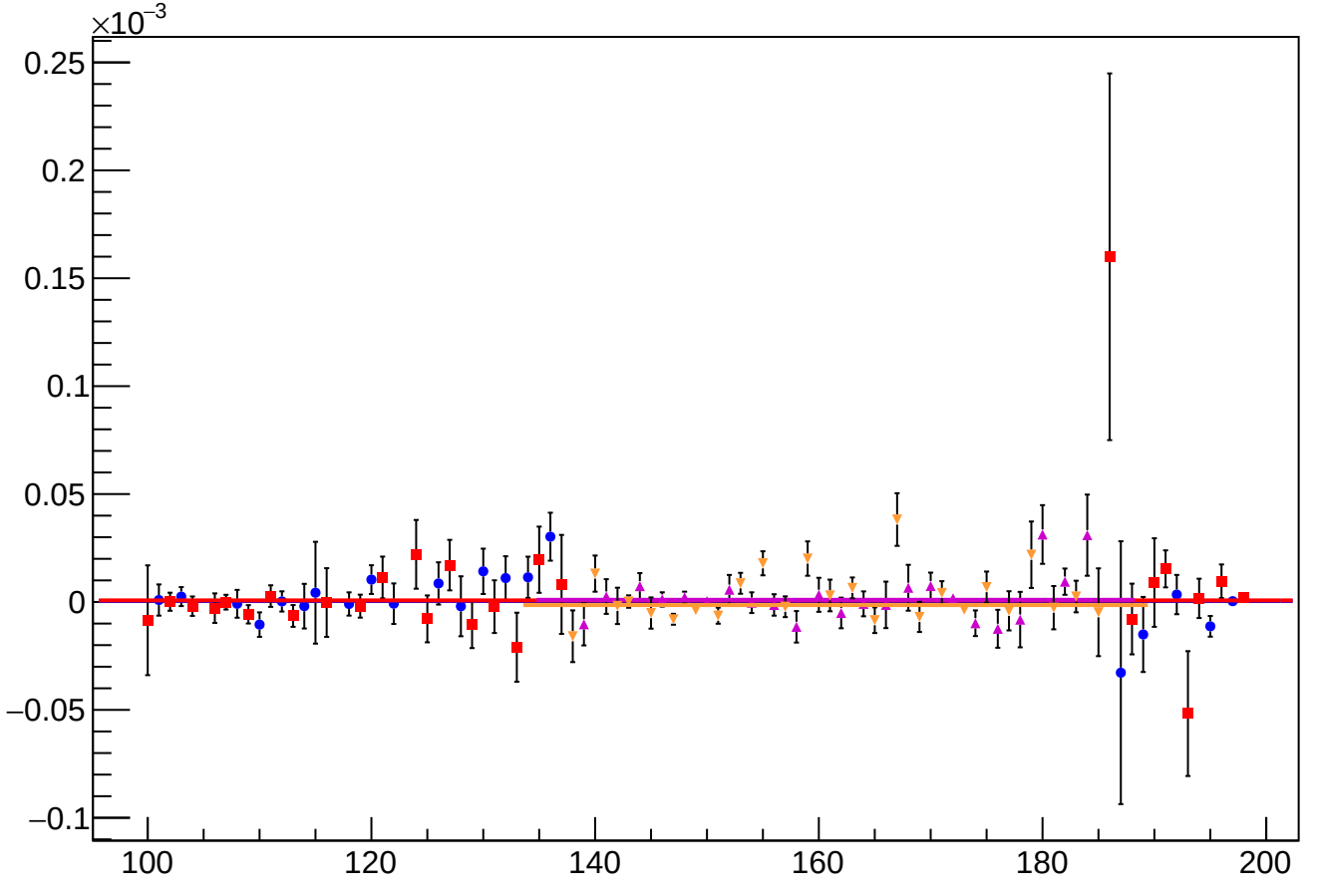
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 72.037+/-0.013 χ^2/NDF: 12788982.7/47

In: 90.357+/-0.014 χ^2/NDF:12331947.3/43

Out: 94.387+/-0.014 χ^2/NDF:13321708.4/51

All: 92.416+/-0.010 χ^2/NDF: 25696230.1/95



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/20

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/26

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

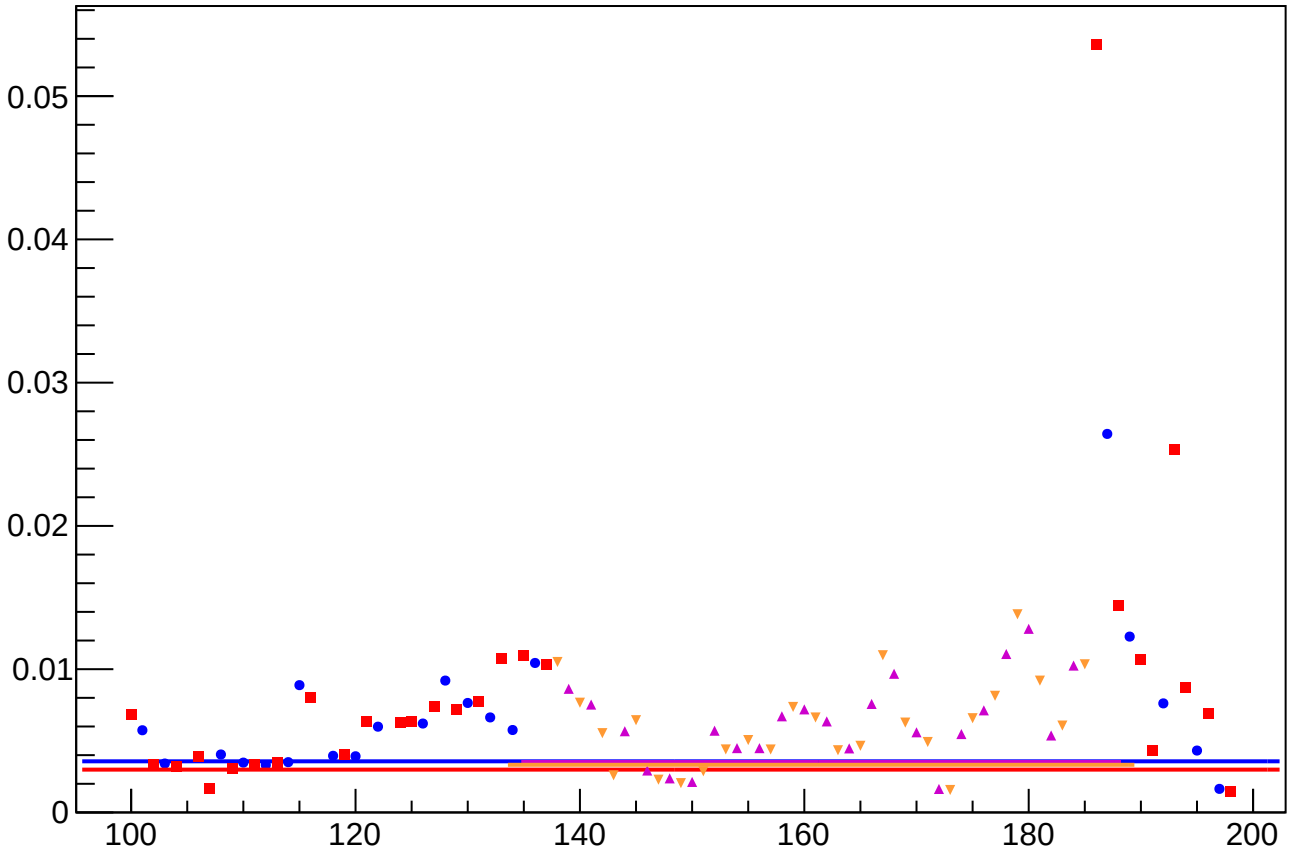
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: 0.000+/-0.000 χ^2/NDF: 53.6/47

In: 0.000+/-0.000 χ^2/NDF:50.2/43

Out: -0.000+/-0.000 χ^2/NDF:90.8/51

All: 0.000+/-0.000 χ^2/NDF: 142.6/95



Right In: 0.004+/-0.000 χ^2/NDF: 5071753.2/20

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 9499543.1/26

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

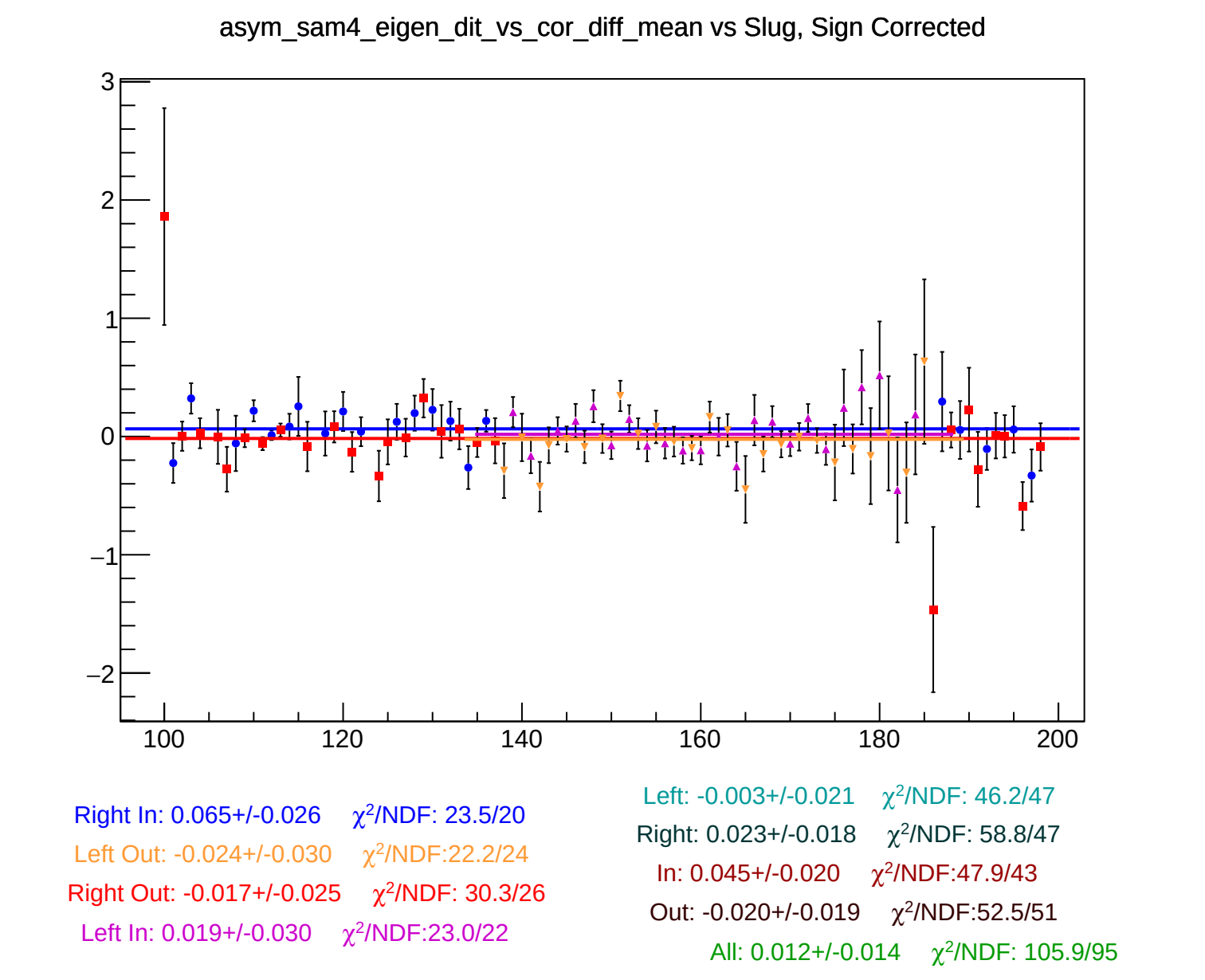
Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

Right: 0.003+/-0.000 χ^2/NDF: 14801909.8/47

In: 0.004+/-0.000 χ^2/NDF:14499824.0/43

Out: 0.003+/-0.000 χ^2/NDF:20099162.0/51

All: 0.003+/-0.000 χ^2/NDF: 34821388.8/95


asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
3
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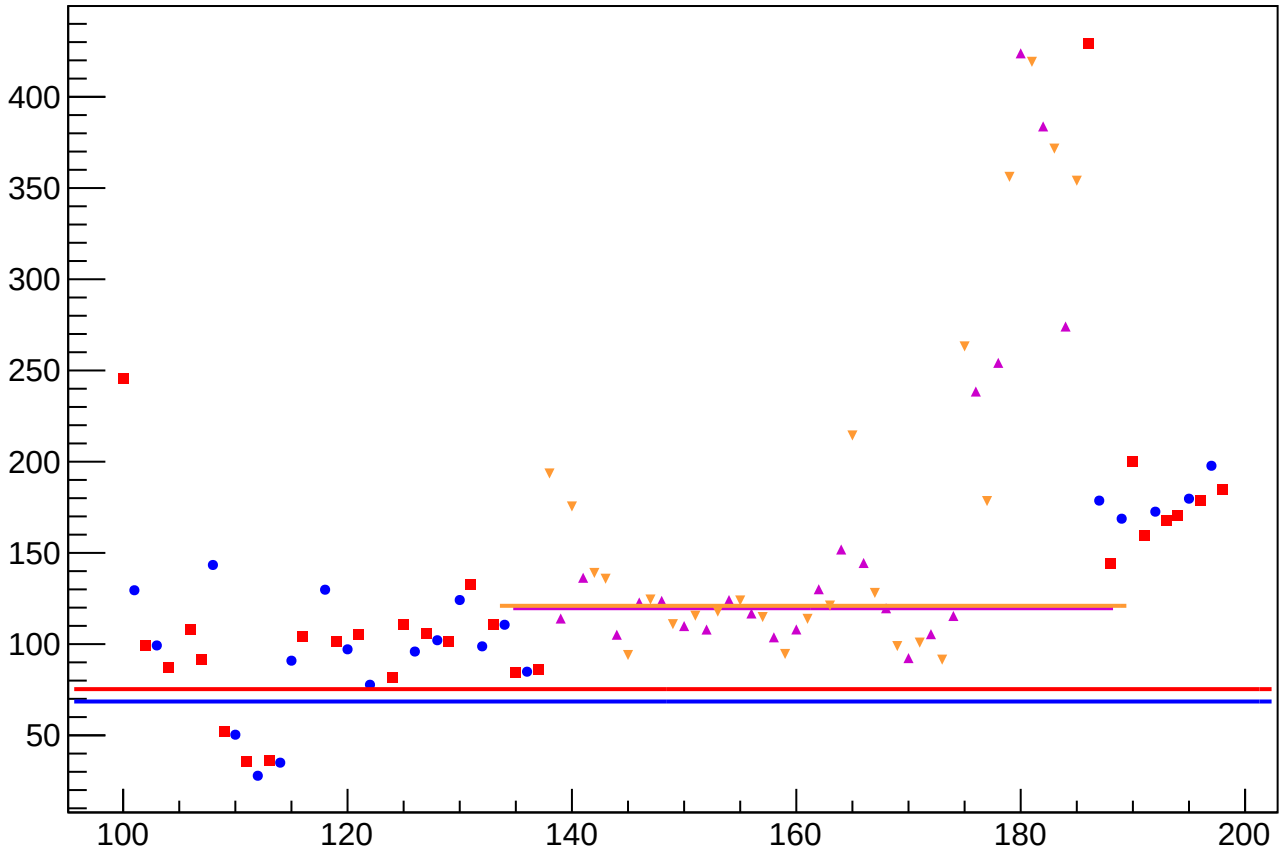
140
160
180
200
Right In: 0.065+/-0.026 χ²/NDF: 23.5/20
Left Out: -0.024+/-0.030 χ²/NDF:22.2/24
Right Out: -0.017+/-0.025 χ²/NDF: 30.3/26
Left In: 0.019+/-0.030 χ²/NDF:23.0/22
Left: -0.003+/-0.021 χ²/NDF: 46.2/47
Right: 0.023+/-0.018 χ²/NDF: 58.8/47
In: 0.045+/-0.020 χ²/NDF:47.9/43
Out: -0.020+/-0.019 χ²/NDF:52.5/51
All: 0.012+/-0.014 χ²/NDF: 105.9/95



Right In: 68.540+/-0.018 χ^2/NDF: 6211468.5/20

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 75.327+/-0.018 χ^2/NDF: 6508452.8/26

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

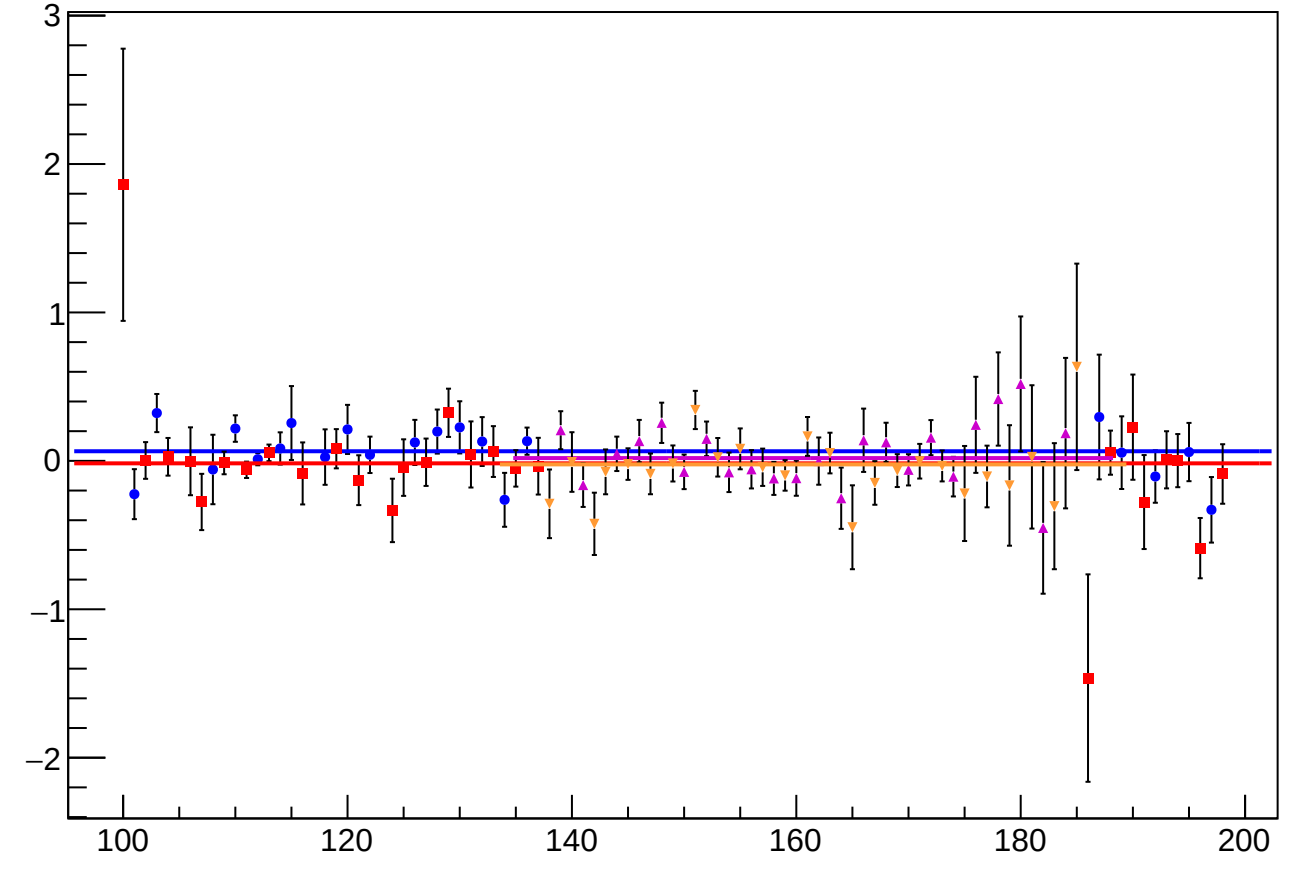
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 72.035+/-0.013 χ^2/NDF: 12789715.0/47

In: 90.356+/-0.014 χ^2/NDF:12332666.1/43

Out: 94.386+/-0.014 χ^2/NDF:13322398.2/51

All: 92.415+/-0.010 χ^2/NDF: 25697647.0/95



Right In: 0.065+/-0.026 χ^2/NDF: 23.5/20

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.017+/-0.025 χ^2/NDF: 30.3/26

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

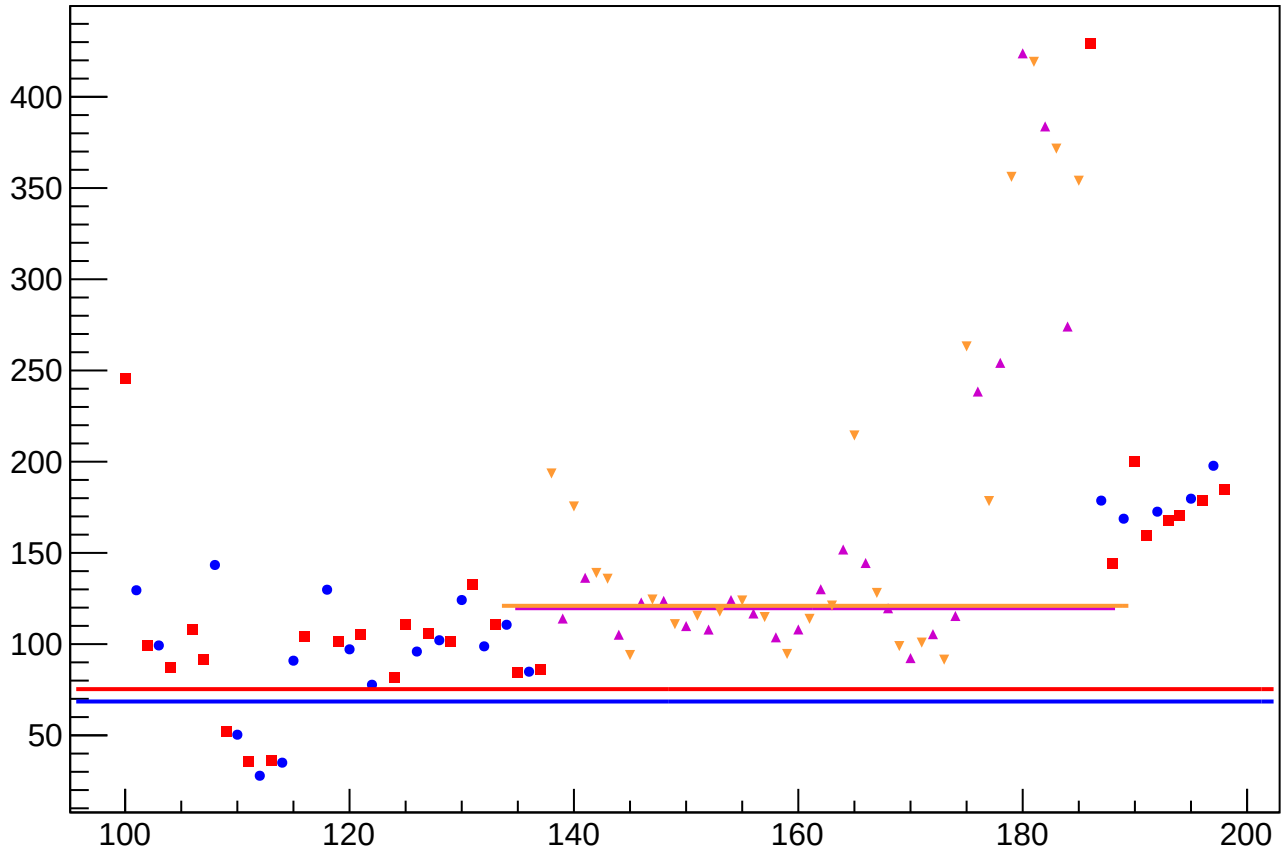
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.023+/-0.018 χ^2/NDF: 58.8/47

In: 0.045+/-0.020 χ^2/NDF:47.9/43

Out: -0.020+/-0.019 χ^2/NDF:52.5/51

All: 0.012+/-0.014 χ^2/NDF: 105.9/95



Right In: 68.540+/-0.018 χ^2/NDF: 6211468.5/20

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 75.327+/-0.018 χ^2/NDF: 6508452.8/26

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

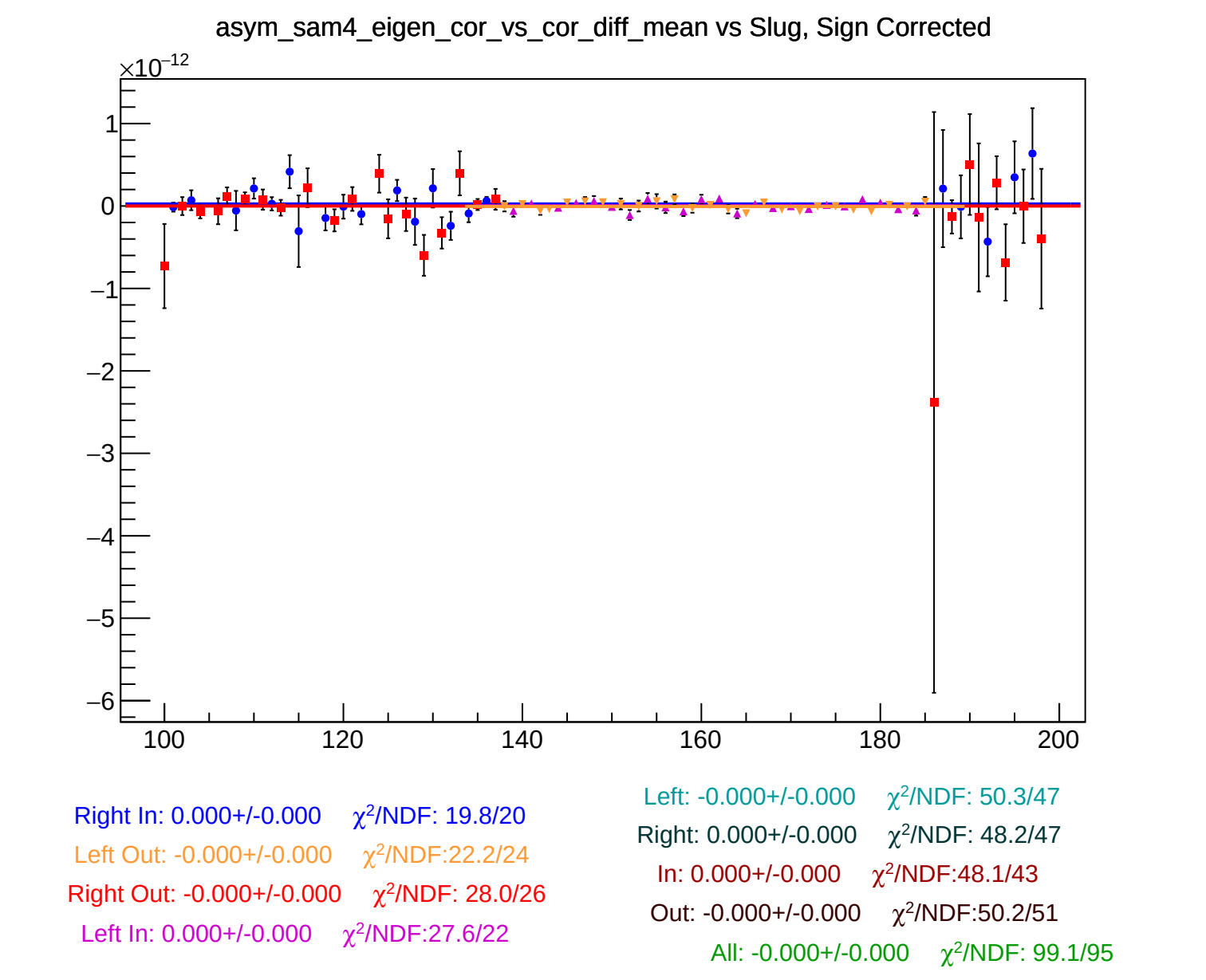
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 72.035+/-0.013 χ^2/NDF: 12789715.0/47

In: 90.356+/-0.014 χ^2/NDF:12332666.1/43

Out: 94.386+/-0.014 χ^2/NDF:13322398.2/51

All: 92.415+/-0.010 χ^2/NDF: 25697647.0/95


asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
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−3
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−6
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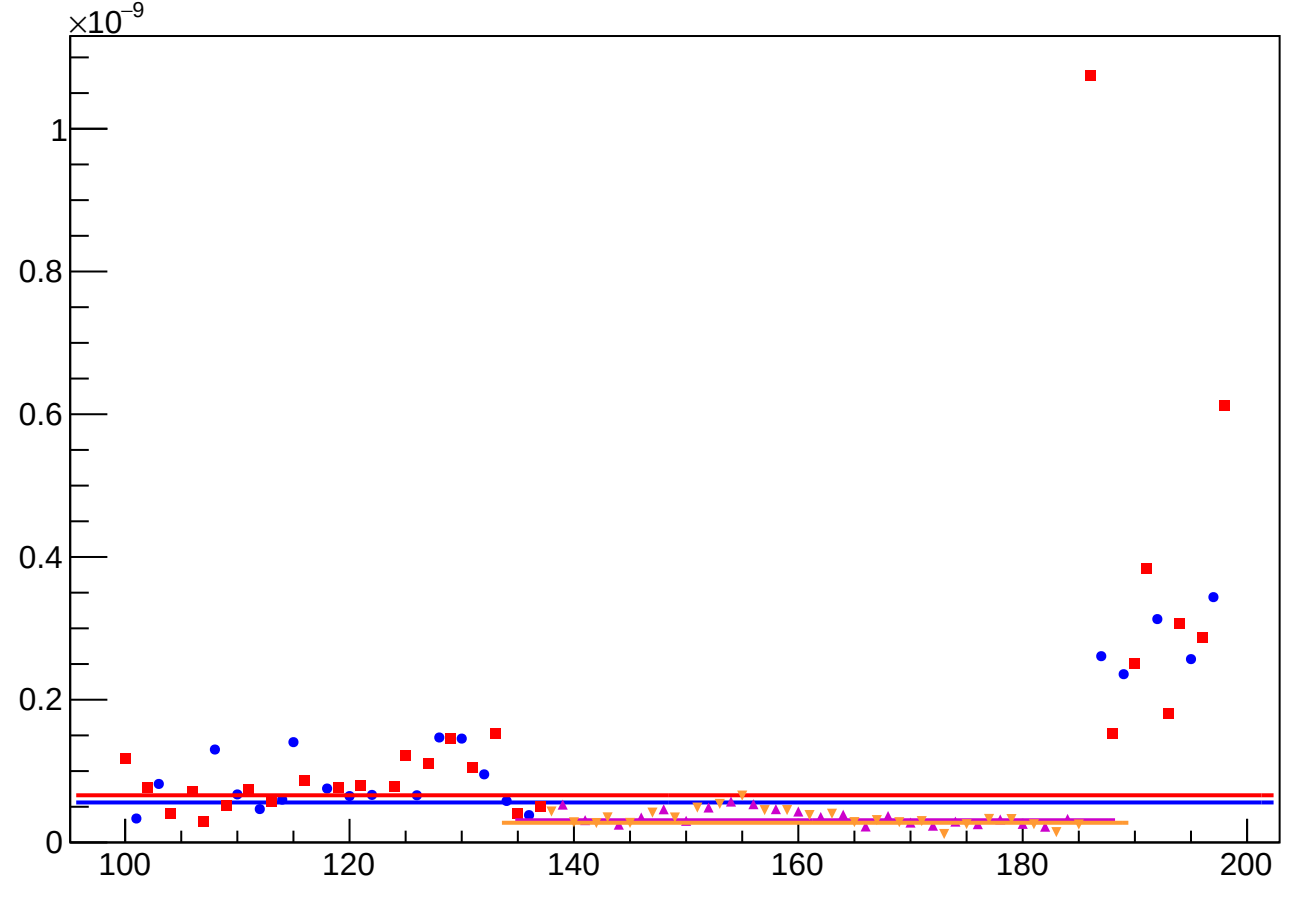
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 19.8/20
Left Out: -0.000+/-0.000 χ²/NDF:22.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 28.0/26
Left In: 0.000+/-0.000 χ²/NDF:27.6/22
Left: -0.000+/-0.000 χ²/NDF: 50.3/47
Right: 0.000+/-0.000 χ²/NDF: 48.2/47
In: 0.000+/-0.000 χ²/NDF:48.1/43
Out: -0.000+/-0.000 χ²/NDF:50.2/51
All: -0.000+/-0.000 χ²/NDF: 99.1/95



Right In: 0.000+/-0.000 χ^2/NDF: 4008397.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4707086.4/26

Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

Left: 0.000+/-0.000 χ^2/NDF: 5803061.5/47

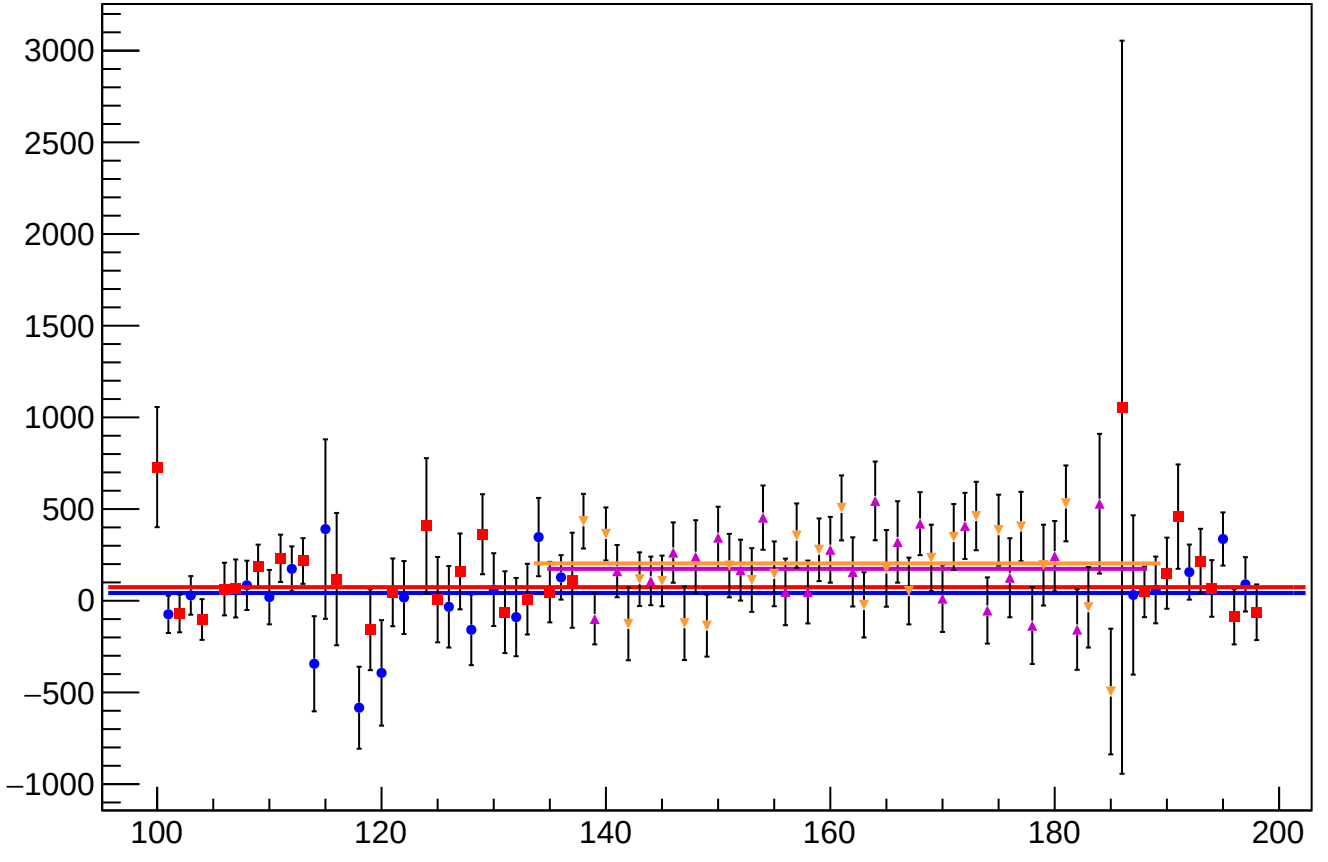
Right: 0.000+/-0.000 χ^2/NDF: 8852707.7/47

In: 0.000+/-0.000 χ^2/NDF:7592030.6/43

Out: 0.000+/-0.000 χ^2/NDF:11827956.3/51

All: 0.000+/-0.000 χ^2/NDF: 19583084.0/95

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 42.115+/-35.645 χ^2/NDF: 24.4/20

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: 74.234+/-32.460 χ^2/NDF: 21.6/26

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

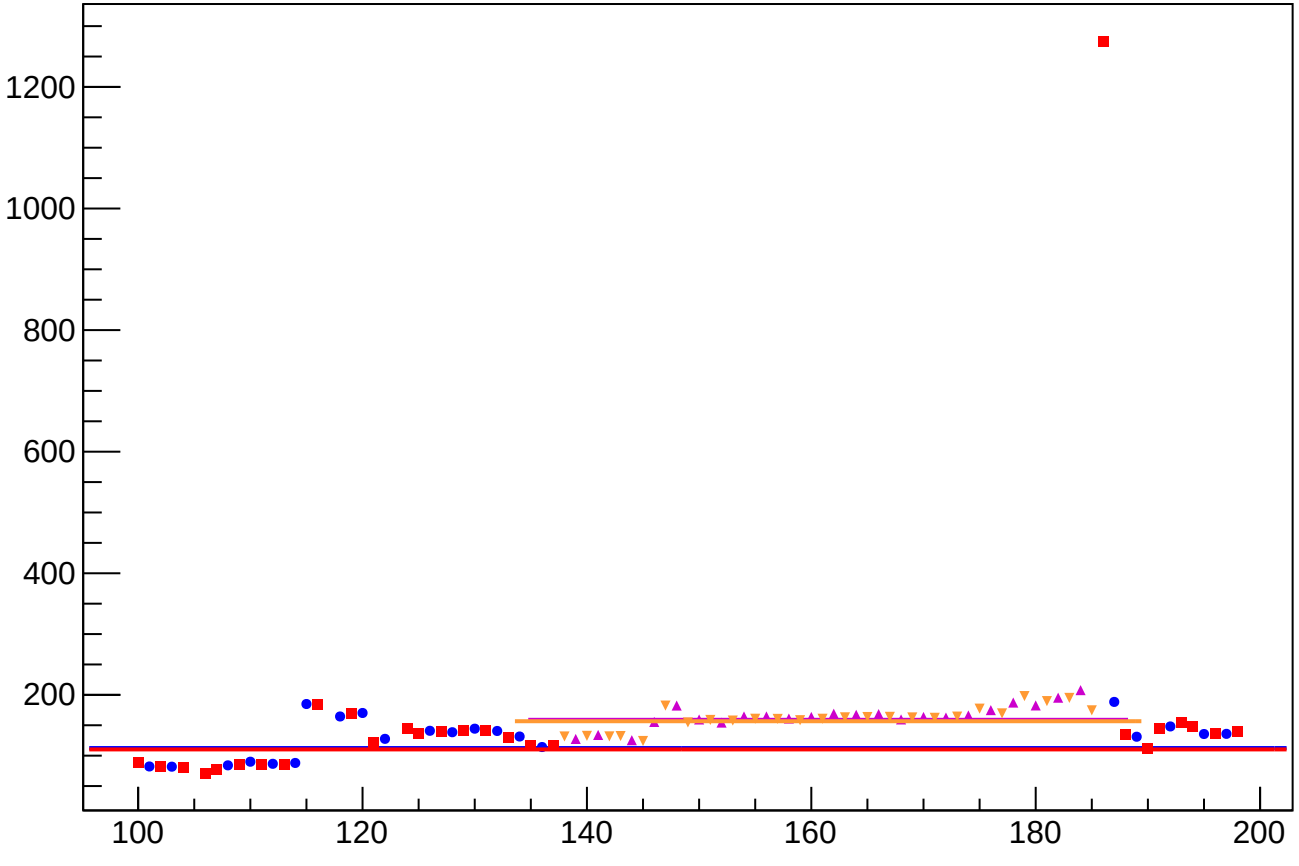
Right: 59.673+/-24.000 χ^2/NDF: 46.4/47

In: 104.870+/-25.805 χ^2/NDF:55.4/43

Out: 132.535+/-24.070 χ^2/NDF:61.6/51

All: 119.663+/-17.602 χ^2/NDF: 117.6/95

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.514+/-0.025 χ^2/NDF: 1297477.6/20

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 110.262+/-0.023 χ^2/NDF: 2355373.5/26

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

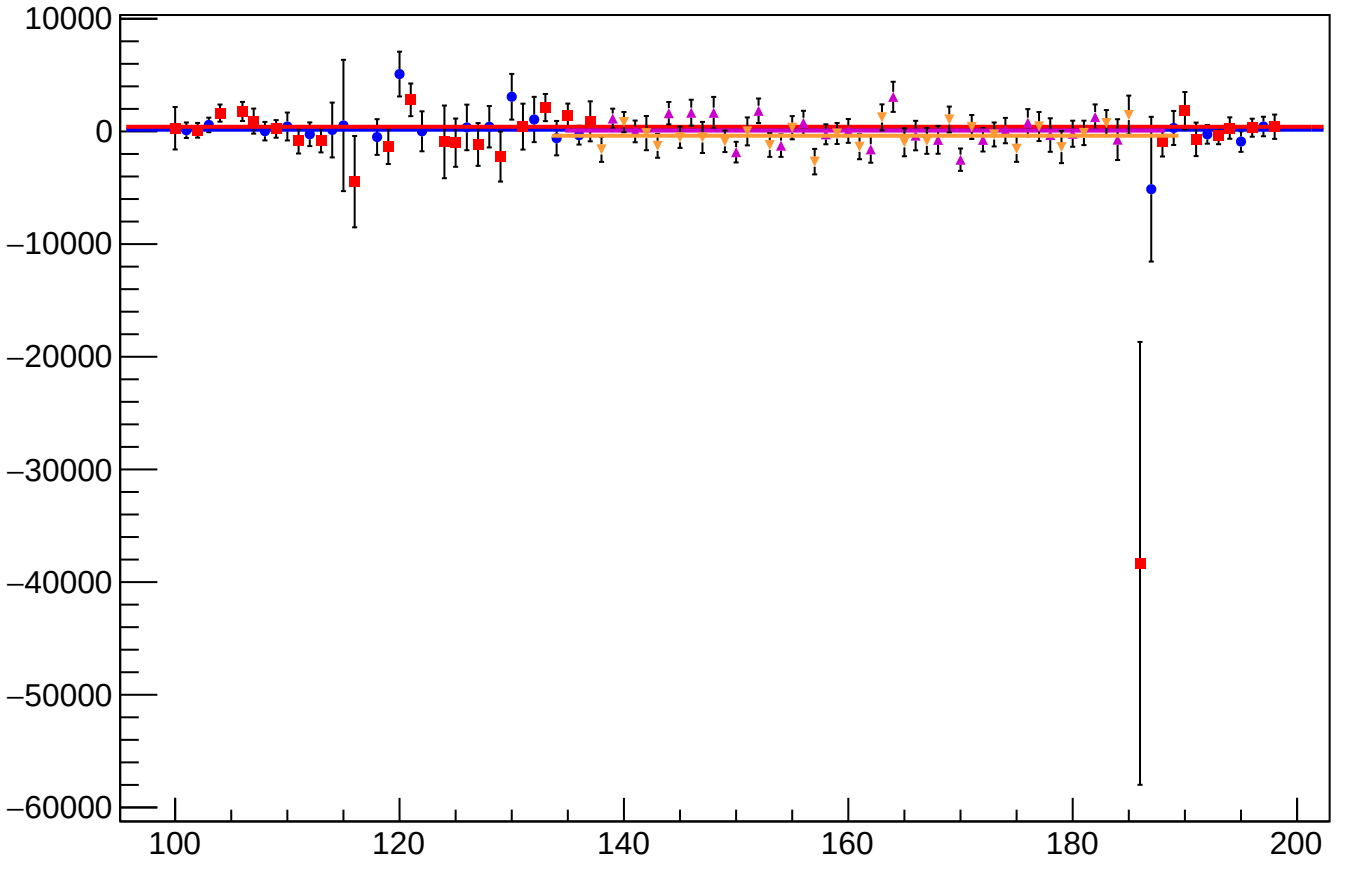
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 111.283+/-0.017 χ^2/NDF: 3657216.6/47

In: 134.615+/-0.018 χ^2/NDF:3424237.3/43

Out: 131.136+/-0.017 χ^2/NDF:4775323.4/51

All: 132.755+/-0.012 χ^2/NDF: 8218995.6/95



Right In: 153.380+/-249.435 χ^2/NDF: 12.3/20

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: 412.903+/-222.161 χ^2/NDF: 26.3/26

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

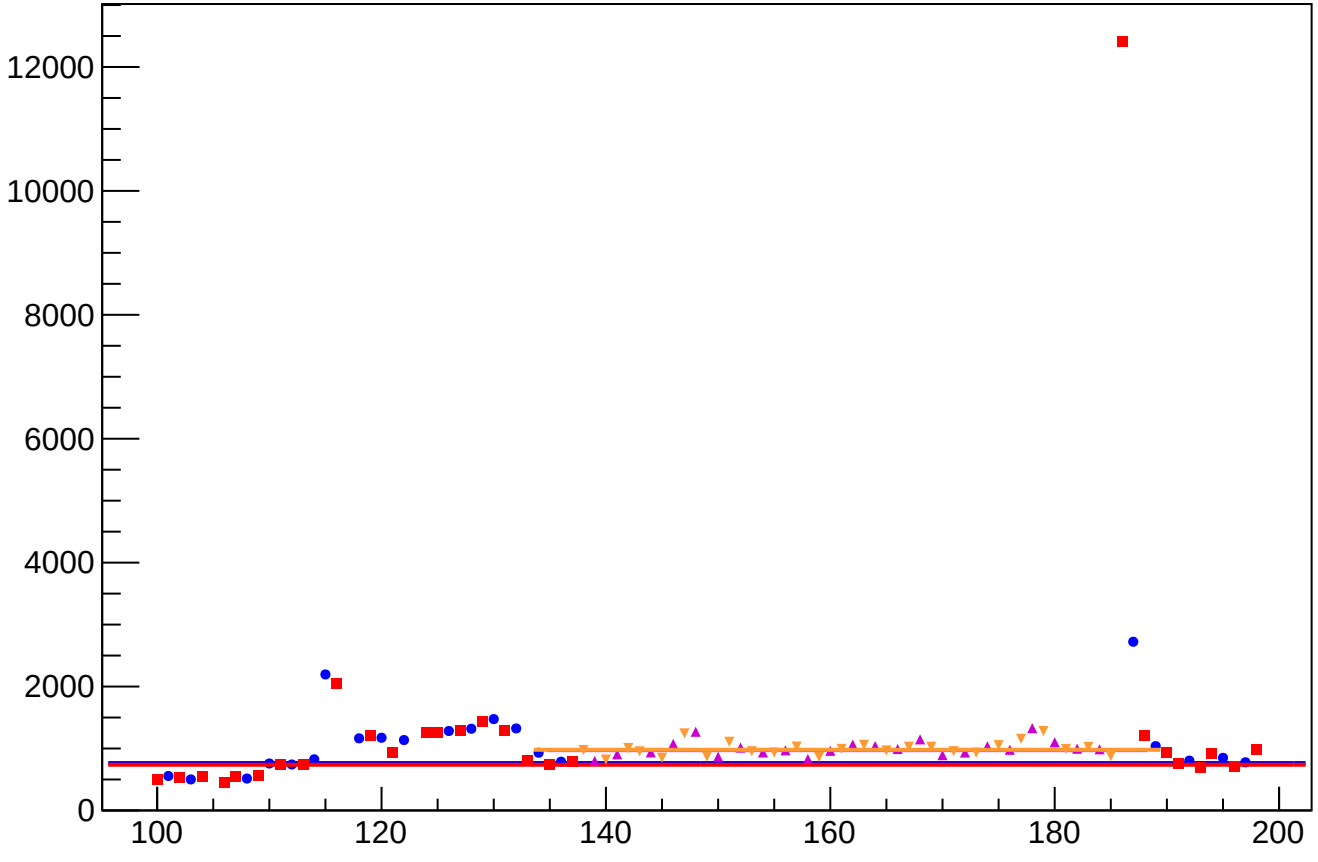
Right: 298.101+/-165.899 χ^2/NDF: 39.2/47

In: 110.679+/-169.004 χ^2/NDF:45.4/43

Out: 20.357+/-157.931 χ^2/NDF:51.4/51

All: 62.463+/-115.390 χ^2/NDF: 96.9/95

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 765.389+/-0.176 χ^2/NDF: 2137179.7/20

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 737.502+/-0.157 χ^2/NDF: 3084572.4/26

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

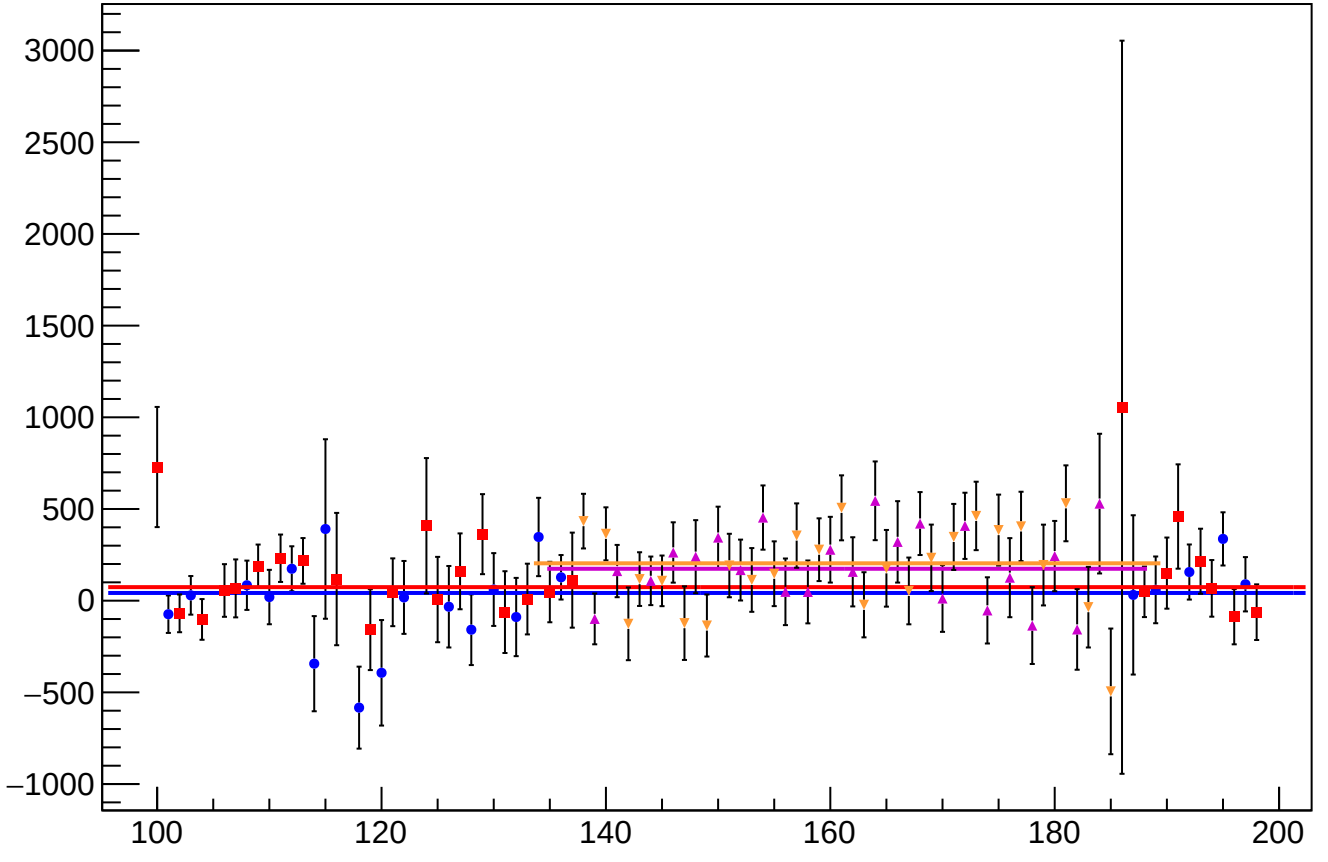
Right: 749.838+/-0.117 χ^2/NDF: 5235691.9/47

In: 878.134+/-0.120 χ^2/NDF:3391185.2/43

Out: 857.013+/-0.112 χ^2/NDF:4684442.1/51

All: 866.859+/-0.082 χ^2/NDF: 8092302.3/95

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 42.109+/-35.645 χ^2/NDF: 24.4/20

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 73.843+/-32.462 χ^2/NDF: 21.6/26

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

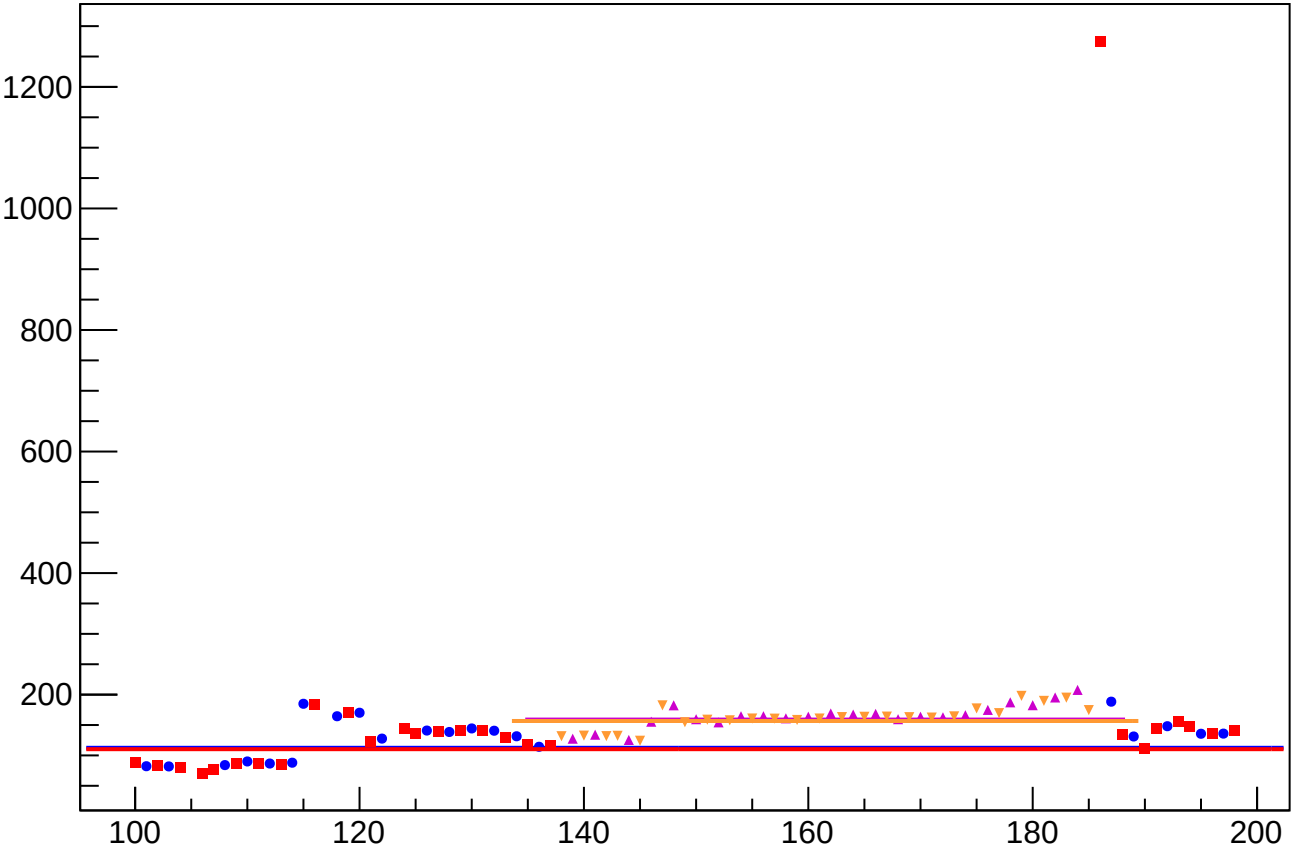
Right: 59.456+/-24.001 χ^2/NDF: 46.4/47

In: 104.869+/-25.805 χ^2/NDF:55.4/43

Out: 132.326+/-24.071 χ^2/NDF:61.6/51

All: 119.551+/-17.602 χ^2/NDF: 117.6/95

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.514+/-0.025 χ^2/NDF: 1297476.6/20

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 110.246+/-0.023 χ^2/NDF: 2358252.9/26

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

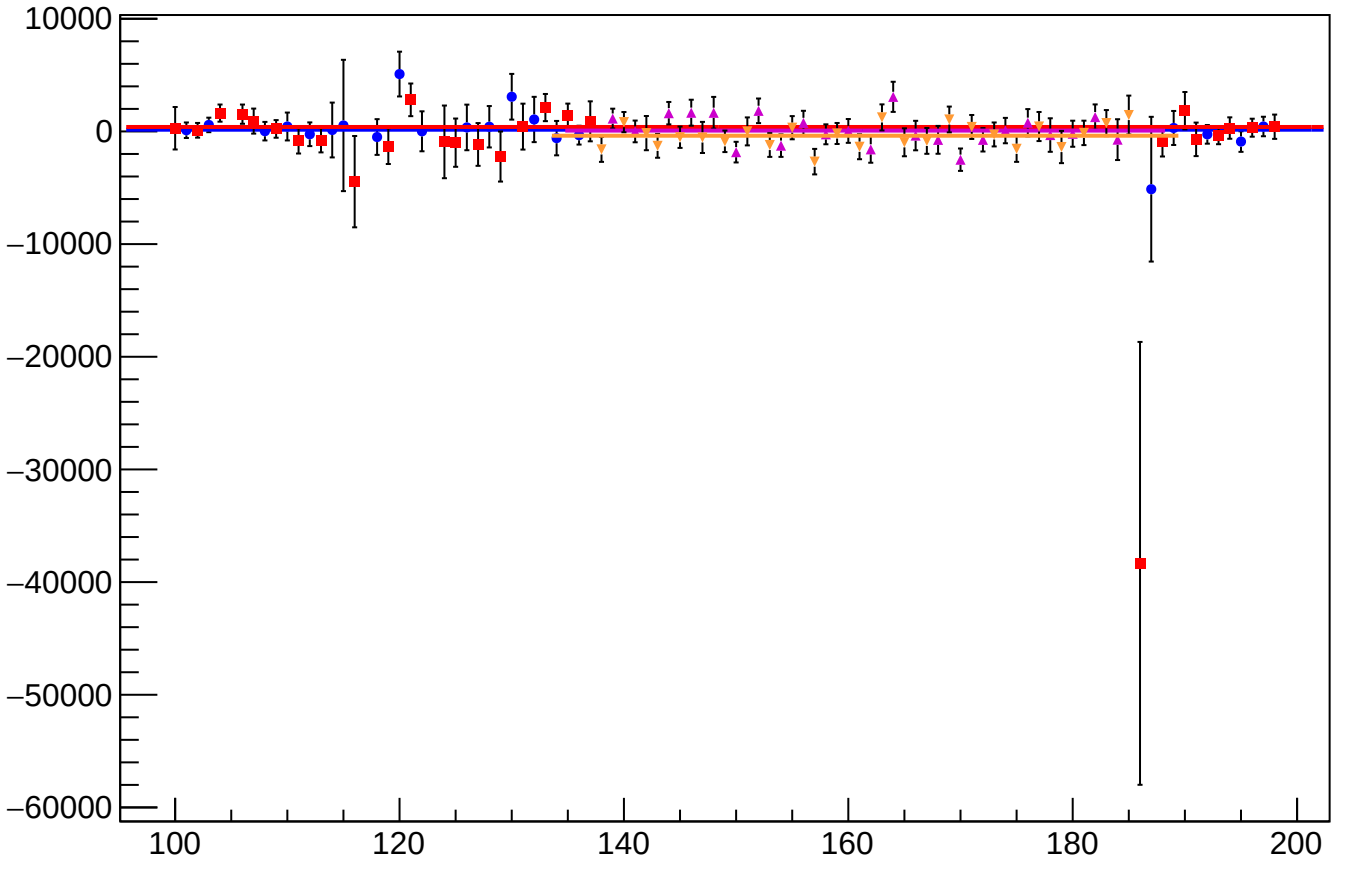
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 111.274+/-0.017 χ^2/NDF: 3660158.6/47

In: 134.615+/-0.018 χ^2/NDF:3424235.3/43

Out: 131.129+/-0.017 χ^2/NDF:4779417.0/51

All: 132.751+/-0.012 χ^2/NDF: 8223174.4/95



Right In: 153.380+/-249.434 χ^2/NDF: 12.3/20

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 395.270+/-222.261 χ^2/NDF: 25.5/26

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

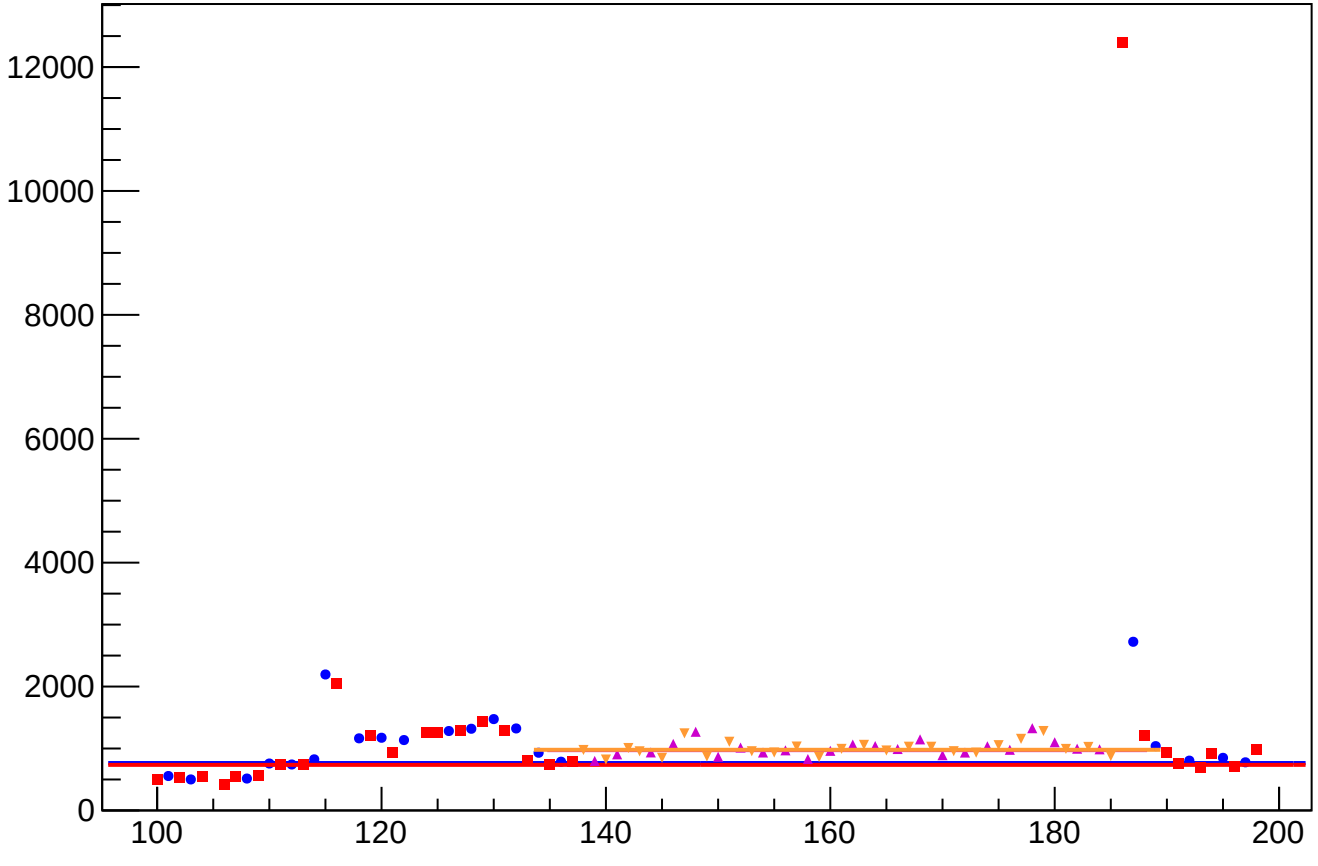
Right: 288.214+/-165.941 χ^2/NDF: 38.3/47

In: 110.678+/-169.004 χ^2/NDF:45.4/43

Out: 11.278+/-157.967 χ^2/NDF:50.2/51

All: 57.627+/-115.404 χ^2/NDF: 95.8/95

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 765.388+/-0.176 χ^2/NDF: 2137182.2/20

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 736.106+/-0.157 χ^2/NDF: 3121748.3/26

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

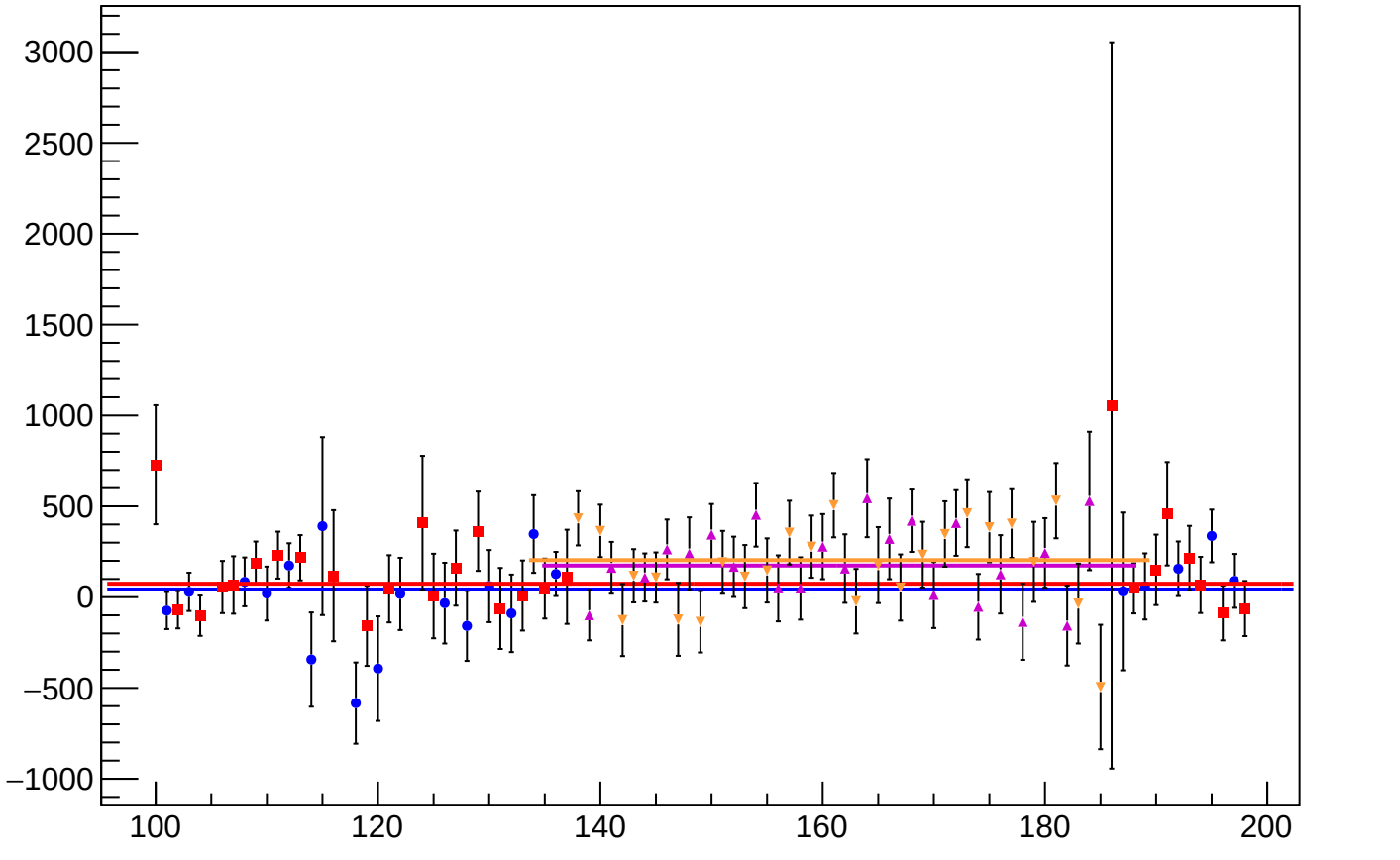
Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

Right: 749.066+/-0.117 χ^2/NDF: 5274294.7/47

In: 878.134+/-0.120 χ^2/NDF:3391192.2/43

Out: 856.362+/-0.112 χ^2/NDF:4734657.1/51

All: 866.514+/-0.082 χ^2/NDF: 8143564.1/95



Right In: 42.109+/-35.645 χ^2/NDF: 24.4/20

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 73.843+/-32.462 χ^2/NDF: 21.6/26

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

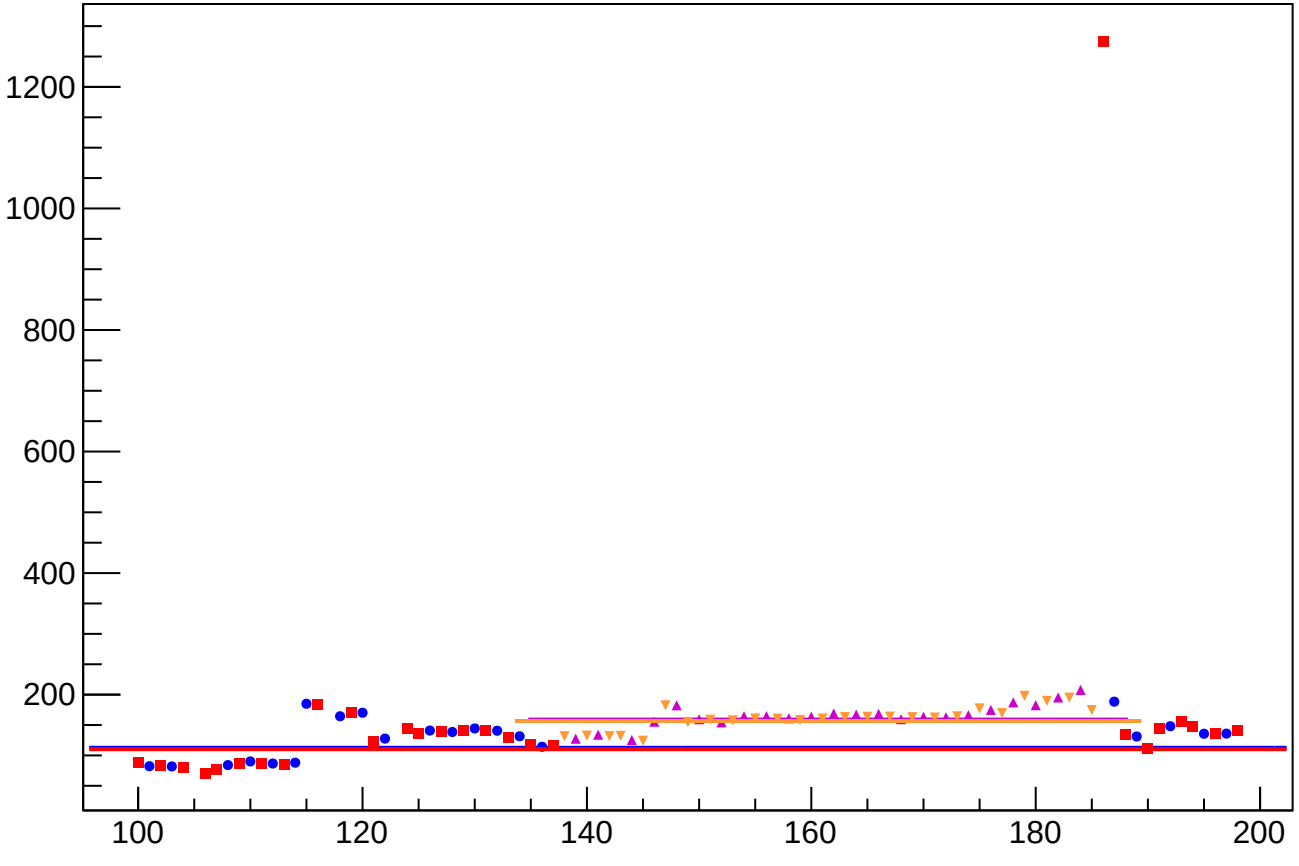
Right: 59.456+/-24.001 χ^2/NDF: 46.4/47

In: 104.869+/-25.805 χ^2/NDF:55.4/43

Out: 132.326+/-24.071 χ^2/NDF:61.6/51

All: 119.551+/-17.602 χ^2/NDF: 117.6/95

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.514+/-0.025 χ^2/NDF: 1297476.6/20

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 110.246+/-0.023 χ^2/NDF: 2358252.9/26

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

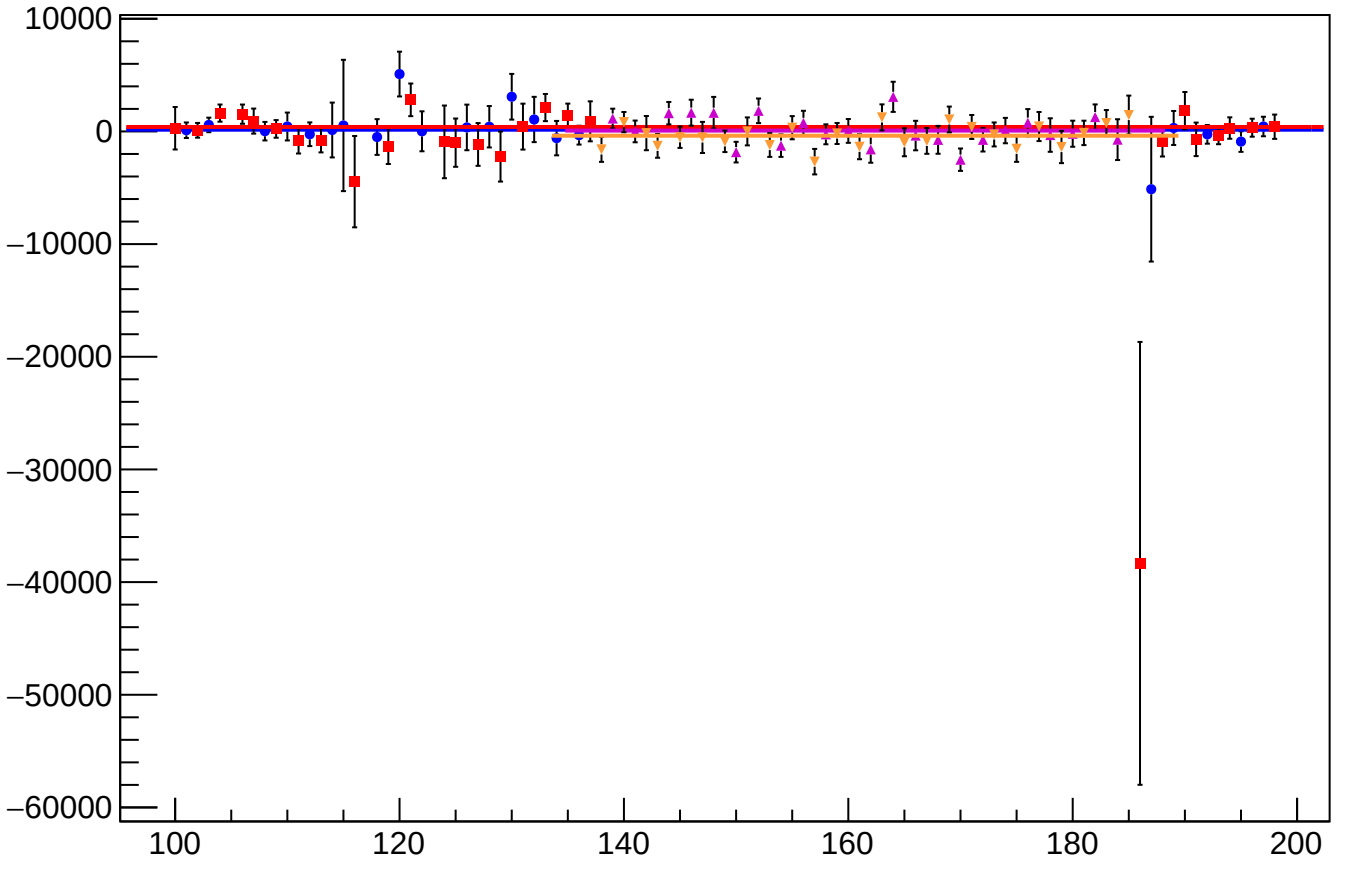
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 111.274+/-0.017 χ^2/NDF: 3660158.6/47

In: 134.615+/-0.018 χ^2/NDF:3424235.3/43

Out: 131.129+/-0.017 χ^2/NDF:4779417.0/51

All: 132.751+/-0.012 χ^2/NDF: 8223174.4/95



Right In: 153.380+/-249.434 χ^2/NDF: 12.3/20

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 395.270+/-222.261 χ^2/NDF: 25.5/26

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

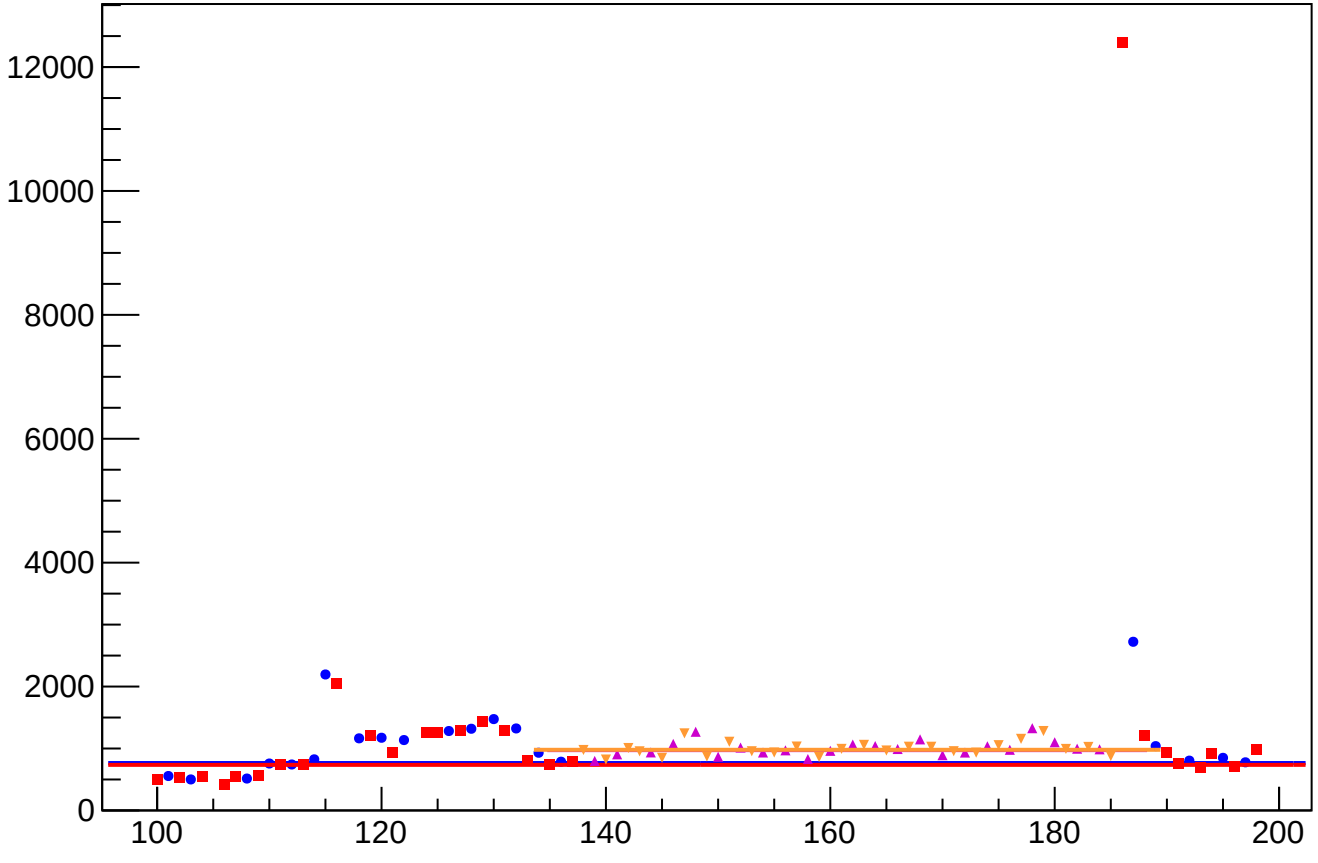
Right: 288.214+/-165.941 χ^2/NDF: 38.3/47

In: 110.678+/-169.004 χ^2/NDF:45.4/43

Out: 11.278+/-157.967 χ^2/NDF:50.2/51

All: 57.627+/-115.404 χ^2/NDF: 95.8/95

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 765.388+/-0.176 χ^2/NDF: 2137182.2/20

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 736.106+/-0.157 χ^2/NDF: 3121748.3/26

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

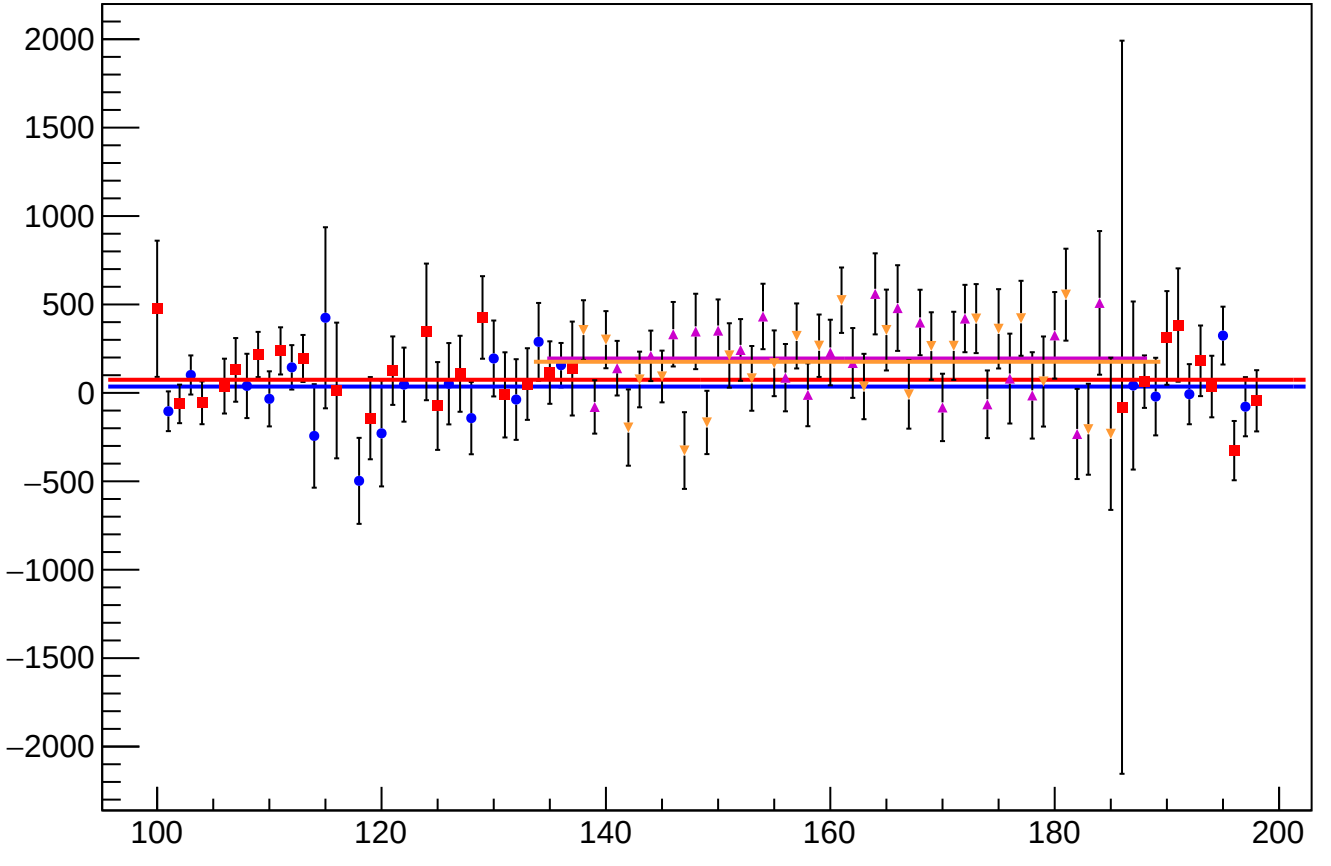
Right: 749.066+/-0.117 χ^2/NDF: 5274294.7/47

In: 878.134+/-0.120 χ^2/NDF:3391192.2/43

Out: 856.362+/-0.112 χ^2/NDF:4734657.1/51

All: 866.514+/-0.082 χ^2/NDF: 8143564.1/95

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 35.742+/-38.840 χ^2/NDF: 17.3/20

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: 74.249+/-35.241 χ^2/NDF: 20.2/26

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

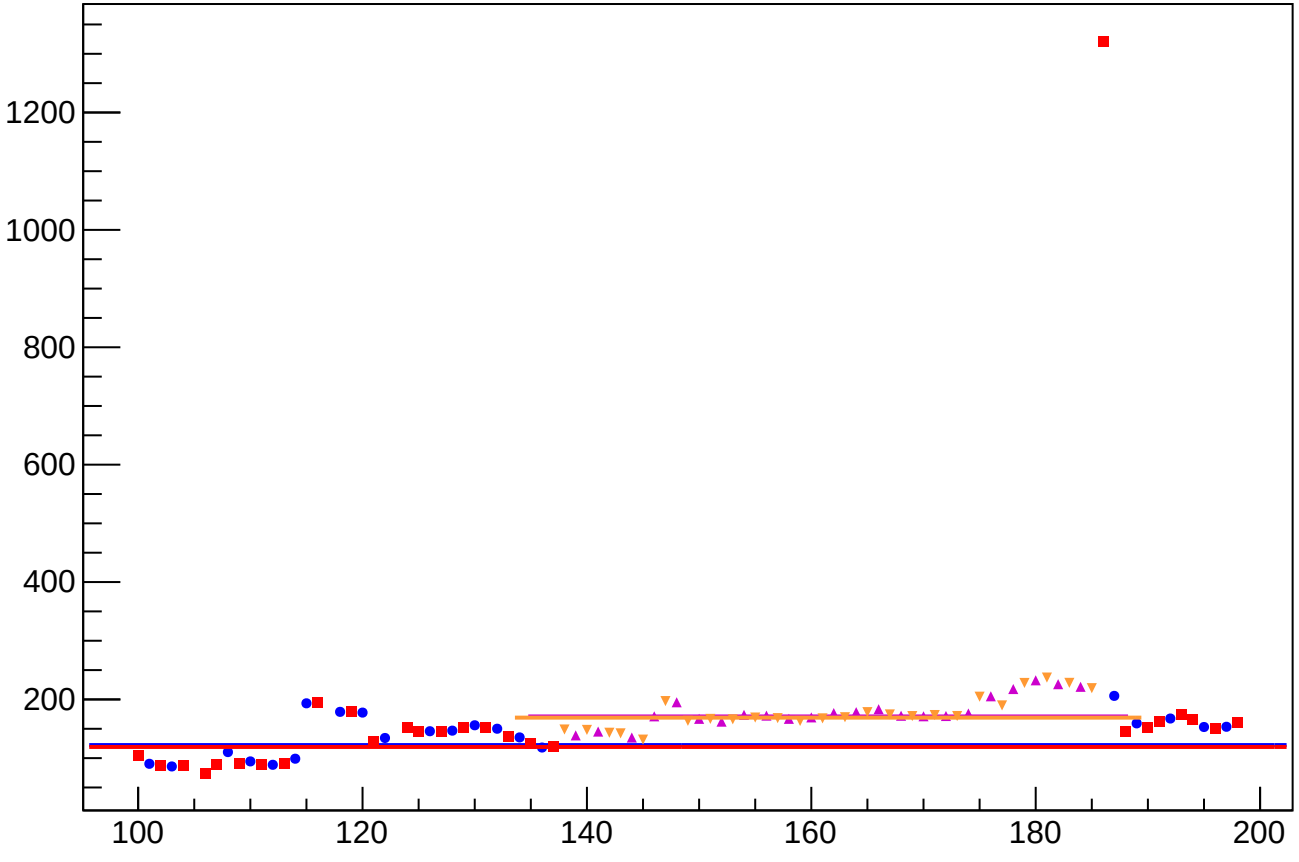
Right: 56.862+/-26.099 χ^2/NDF: 38.0/47

In: 111.945+/-27.994 χ^2/NDF:49.1/43

Out: 120.201+/-26.098 χ^2/NDF:54.7/51

All: 116.362+/-19.089 χ^2/NDF: 103.9/95

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 122.226+/-0.027 χ^2/NDF: 1367010.2/20

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 119.057+/-0.025 χ^2/NDF: 2498751.6/26

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

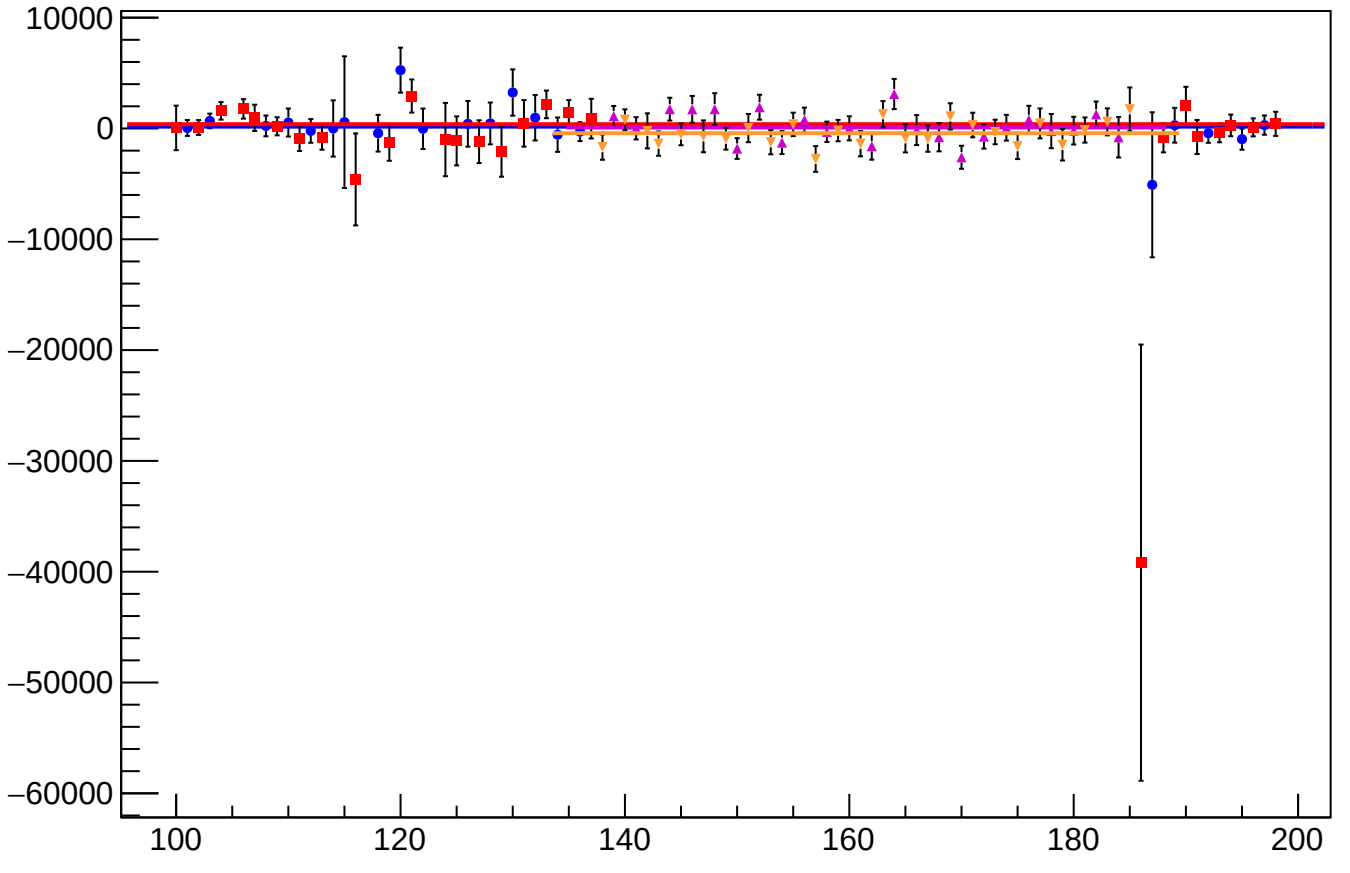
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 120.488+/-0.018 χ^2/NDF: 3873062.4/47

In: 145.673+/-0.020 χ^2/NDF:3561938.5/43

Out: 141.614+/-0.018 χ^2/NDF:5087178.9/51

All: 143.501+/-0.013 χ^2/NDF: 8671617.5/95



Right In: 167.114+/-258.775 χ^2/NDF: 12.7/20

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: 384.534+/-229.615 χ^2/NDF: 26.2/26

Left In: 86.486+/-238.155 χ^2/NDF:32.4/22

Left: -175.754+/-166.388 χ^2/NDF: 53.2/47

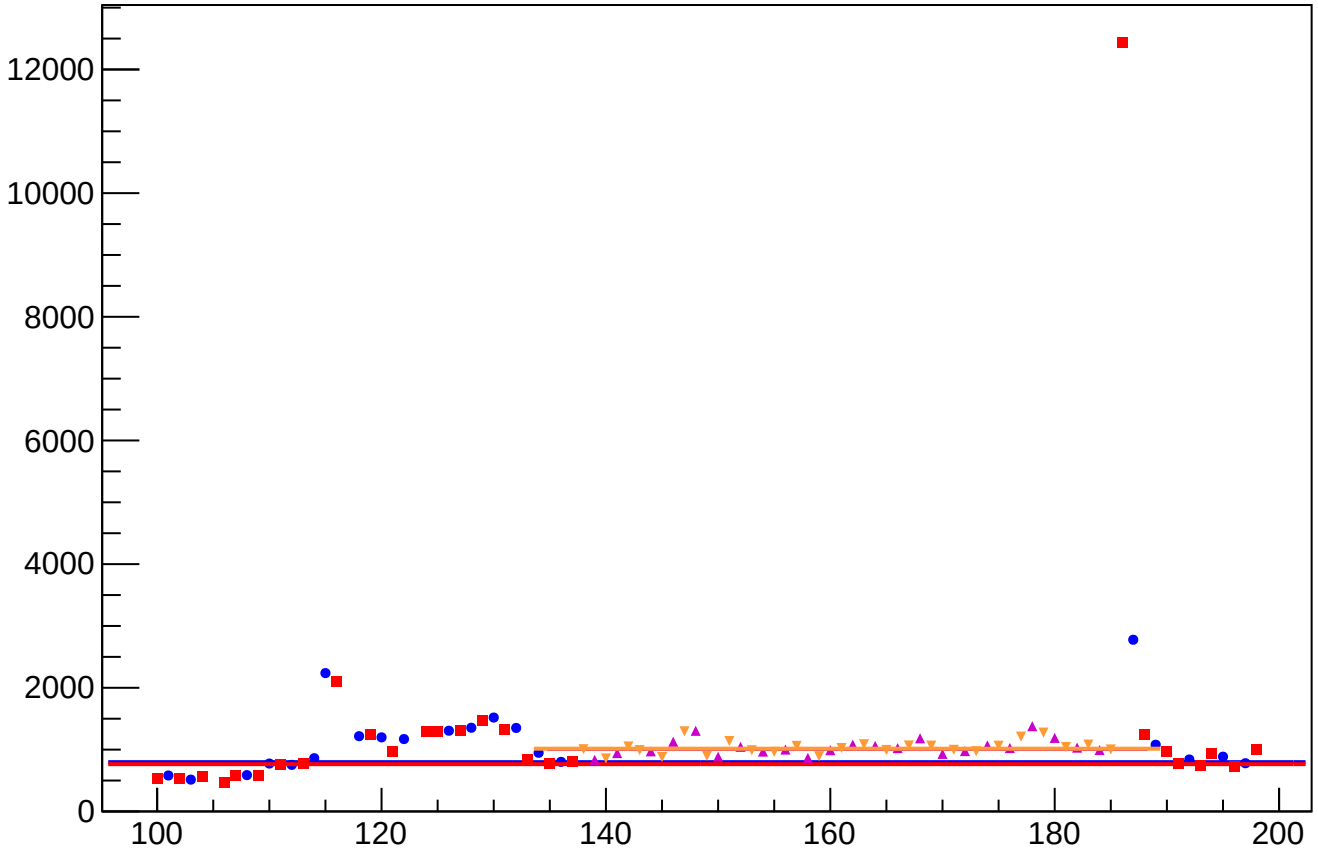
Right: 288.759+/-171.750 χ^2/NDF: 39.3/47

In: 123.460+/-175.238 χ^2/NDF:45.2/43

Out: -15.478+/-163.394 χ^2/NDF:50.7/51

All: 49.137+/-119.505 χ^2/NDF: 96.2/95

asym_sam5_dit_correction_rms vs Slug, Sign Corrected



Right In: 797.077+/-0.183 χ^2/NDF: 2027323.8/20

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 764.888+/-0.162 χ^2/NDF: 2991804.2/26

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

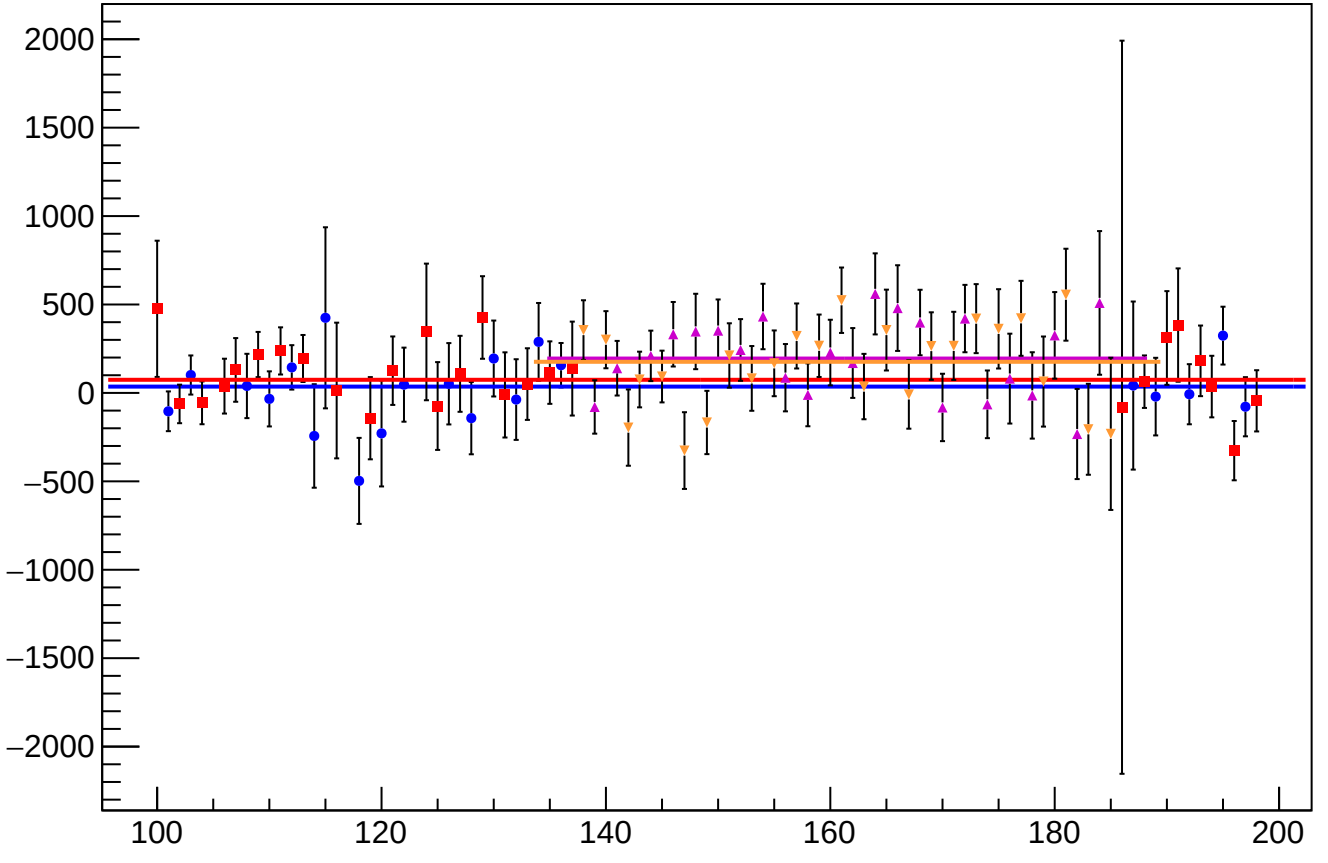
Right: 779.068+/-0.121 χ^2/NDF: 5036442.4/47

In: 912.181+/-0.124 χ^2/NDF:3256956.5/43

Out: 888.373+/-0.116 χ^2/NDF:4561581.1/51

All: 899.445+/-0.085 χ^2/NDF: 7838286.1/95

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 35.741+/-38.840 χ^2/NDF: 17.3/20

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: 74.249+/-35.241 χ^2/NDF: 20.2/26

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

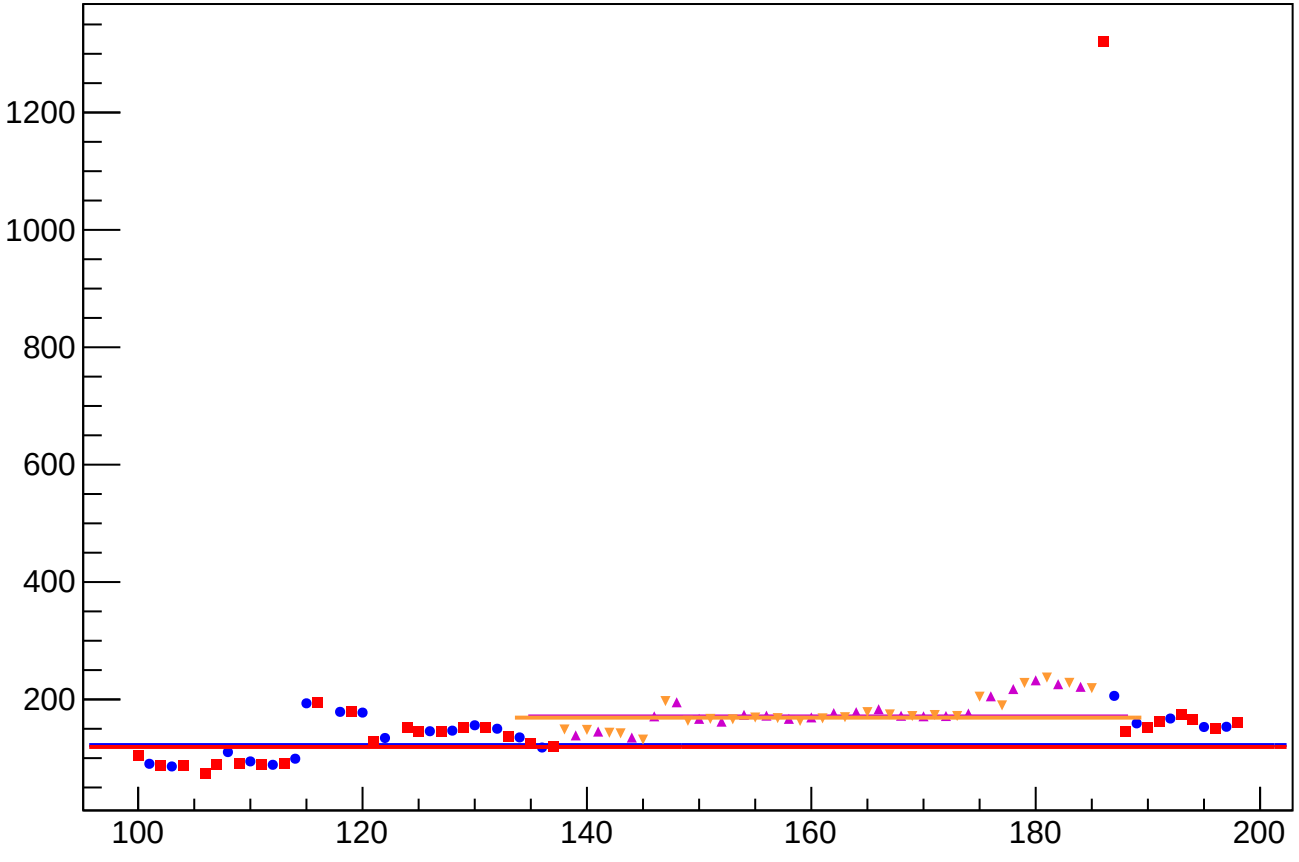
Right: 56.862+/-26.099 χ^2/NDF: 38.0/47

In: 111.944+/-27.994 χ^2/NDF:49.1/43

Out: 120.201+/-26.098 χ^2/NDF:54.7/51

All: 116.362+/-19.089 χ^2/NDF: 103.9/95

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 122.226+/-0.027 χ^2/NDF: 1367013.6/20

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 119.057+/-0.025 χ^2/NDF: 2498751.0/26

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

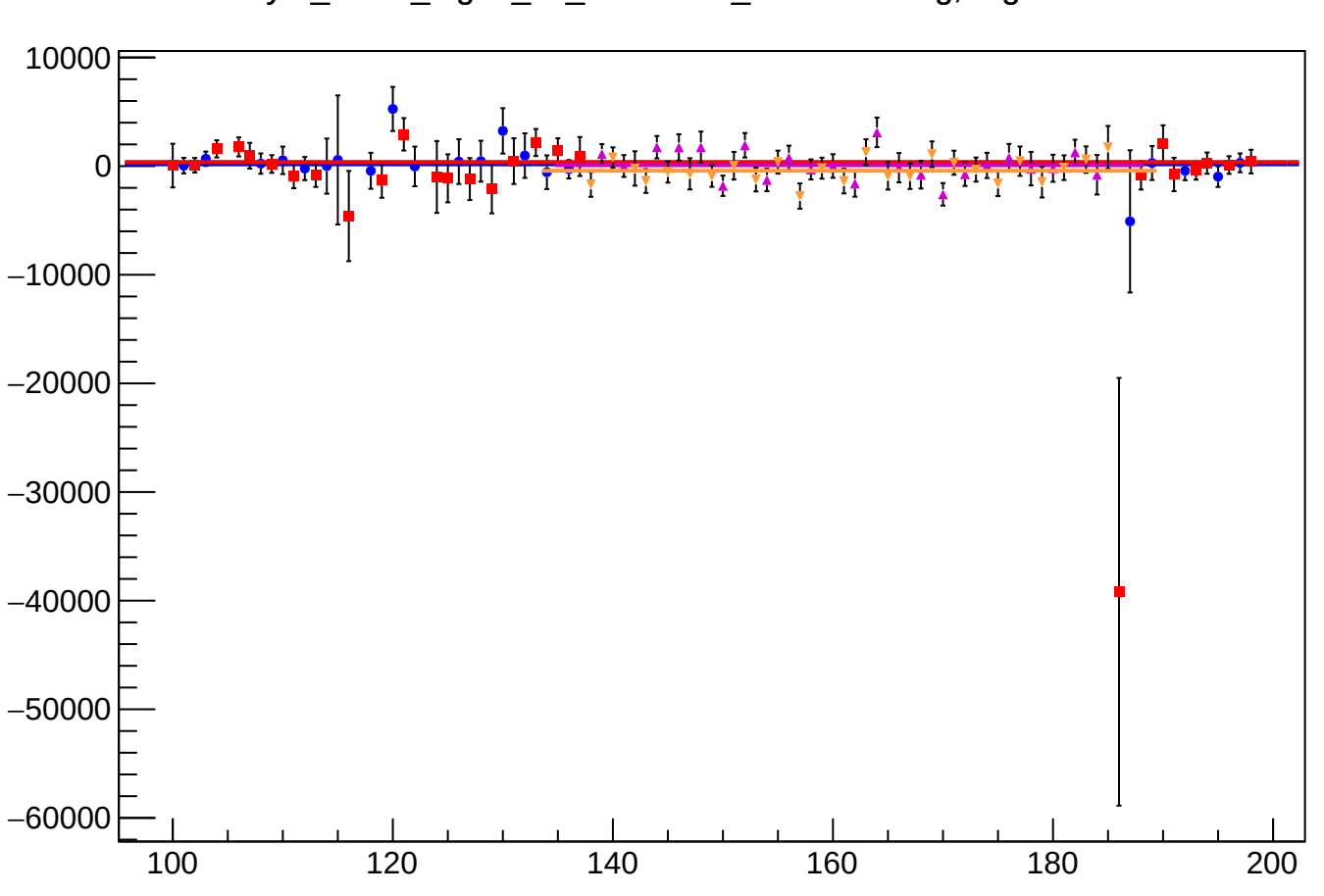
Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

Right: 120.488+/-0.018 χ^2/NDF: 3873064.6/47

In: 145.673+/-0.020 χ^2/NDF:3561966.9/43

Out: 141.614+/-0.018 χ^2/NDF:5087188.5/51

All: 143.501+/-0.013 χ^2/NDF: 8671655.5/95



Right In: 167.113+/-258.775 χ^2/NDF: 12.7/20

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: 384.534+/-229.615 χ^2/NDF: 26.2/26

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

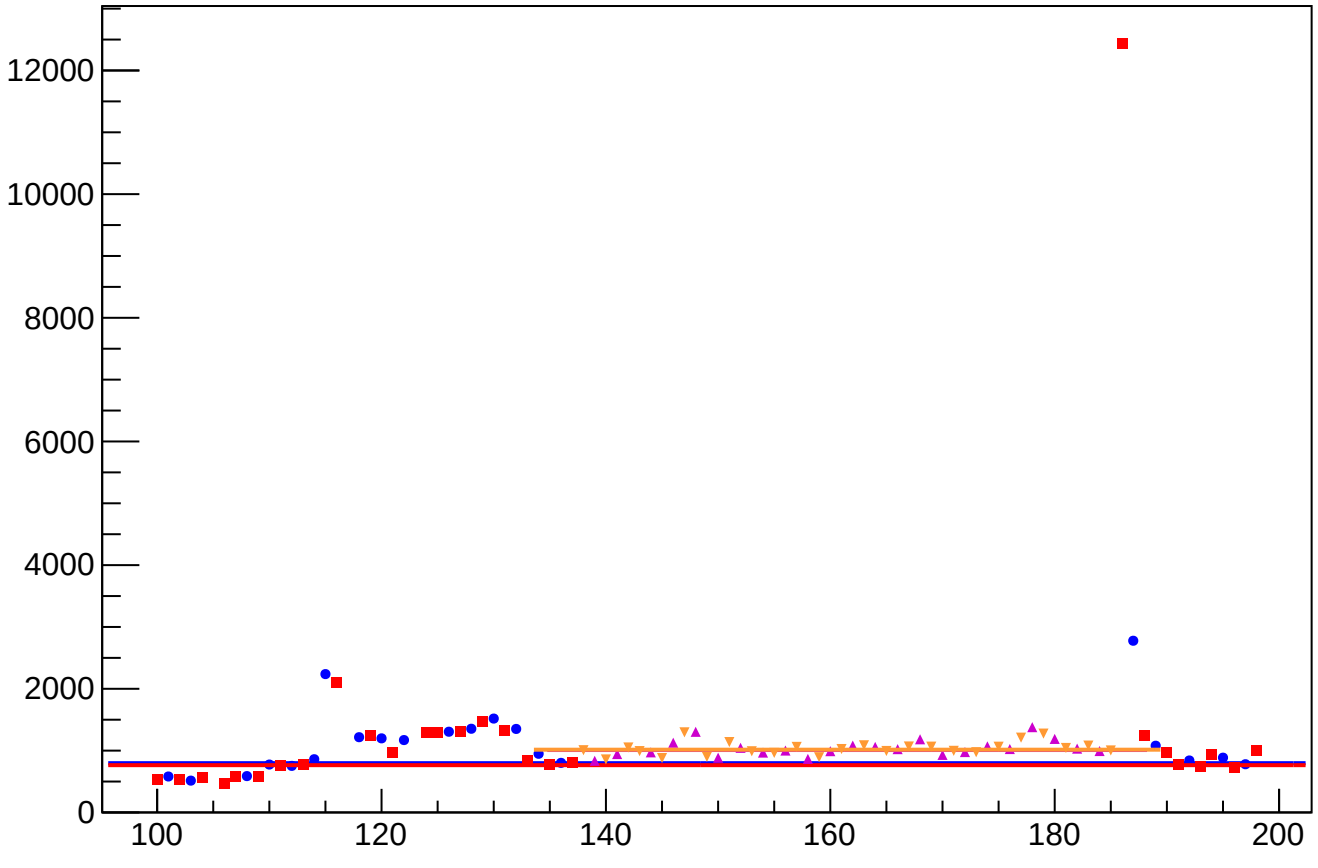
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 288.759+/-171.750 χ^2/NDF: 39.3/47

In: 123.460+/-175.238 χ^2/NDF:45.2/43

Out: -15.477+/-163.394 χ^2/NDF:50.7/51

All: 49.138+/-119.505 χ^2/NDF: 96.2/95



Right In: 797.077+/-0.183 χ^2/NDF: 2027323.3/20

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 764.887+/-0.162 χ^2/NDF: 2991808.4/26

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

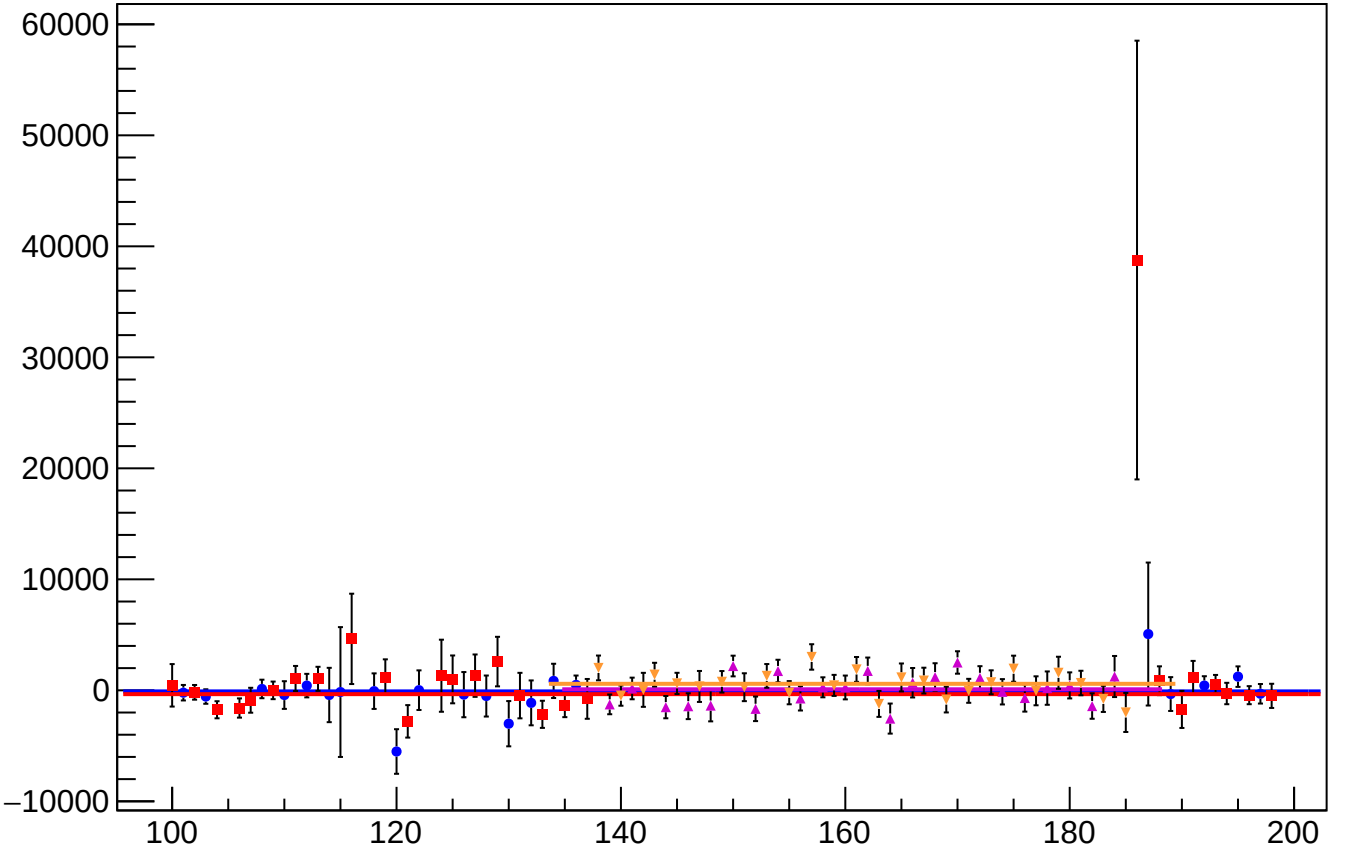
Right: 779.067+/-0.121 χ^2/NDF: 5036445.8/47

In: 912.181+/-0.124 χ^2/NDF:3256971.1/43

Out: 888.373+/-0.116 χ^2/NDF:4561598.9/51

All: 899.445+/-0.085 χ^2/NDF: 7838318.6/95

asym_sam5_mean vs Slug, Sign Corrected



Right In: -96.443+/-252.484 χ^2/NDF: 14.6/20

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: -344.513+/-225.156 χ^2/NDF: 28.5/26

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

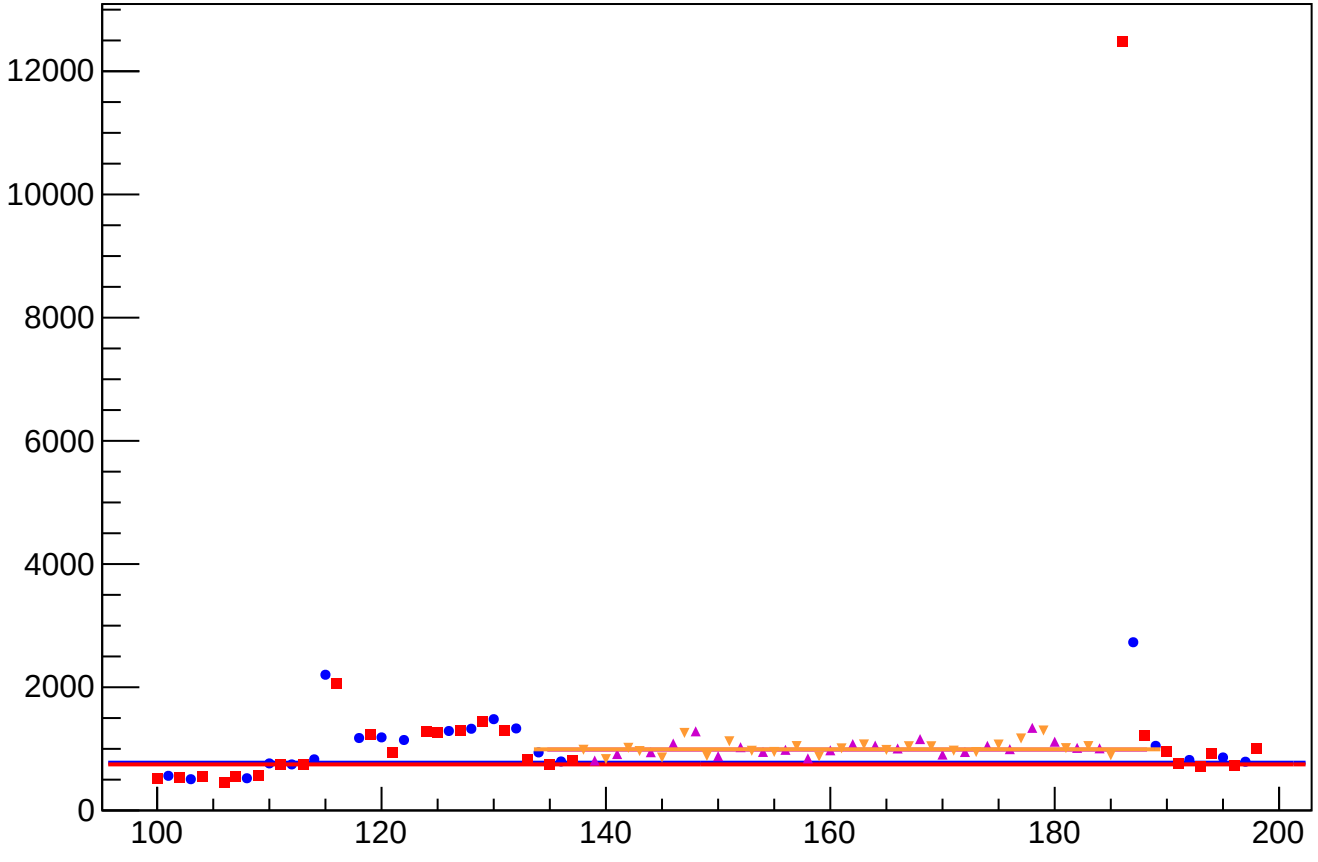
Right: -234.624+/-168.044 χ^2/NDF: 43.6/47

In: 5.693+/-171.238 χ^2/NDF:49.5/43

Out: 115.845+/-160.061 χ^2/NDF:57.7/51

All: 64.481+/-116.932 χ^2/NDF: 107.4/95

asym_sam5_rms vs Slug, Sign Corrected



Right In: 775.334+/-0.179 χ^2/NDF: 2115517.6/20

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 747.748+/-0.159 χ^2/NDF: 3062780.3/26

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

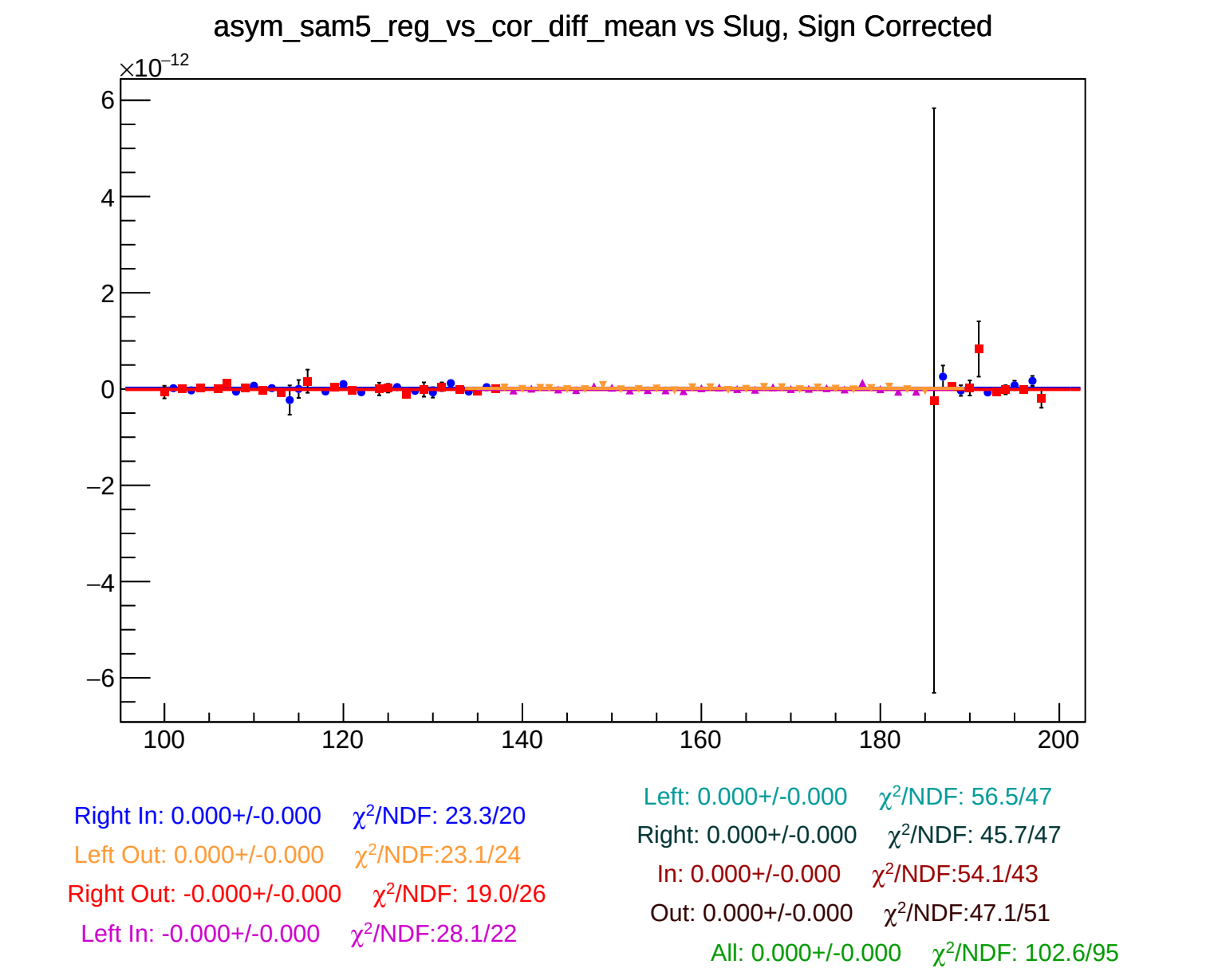
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

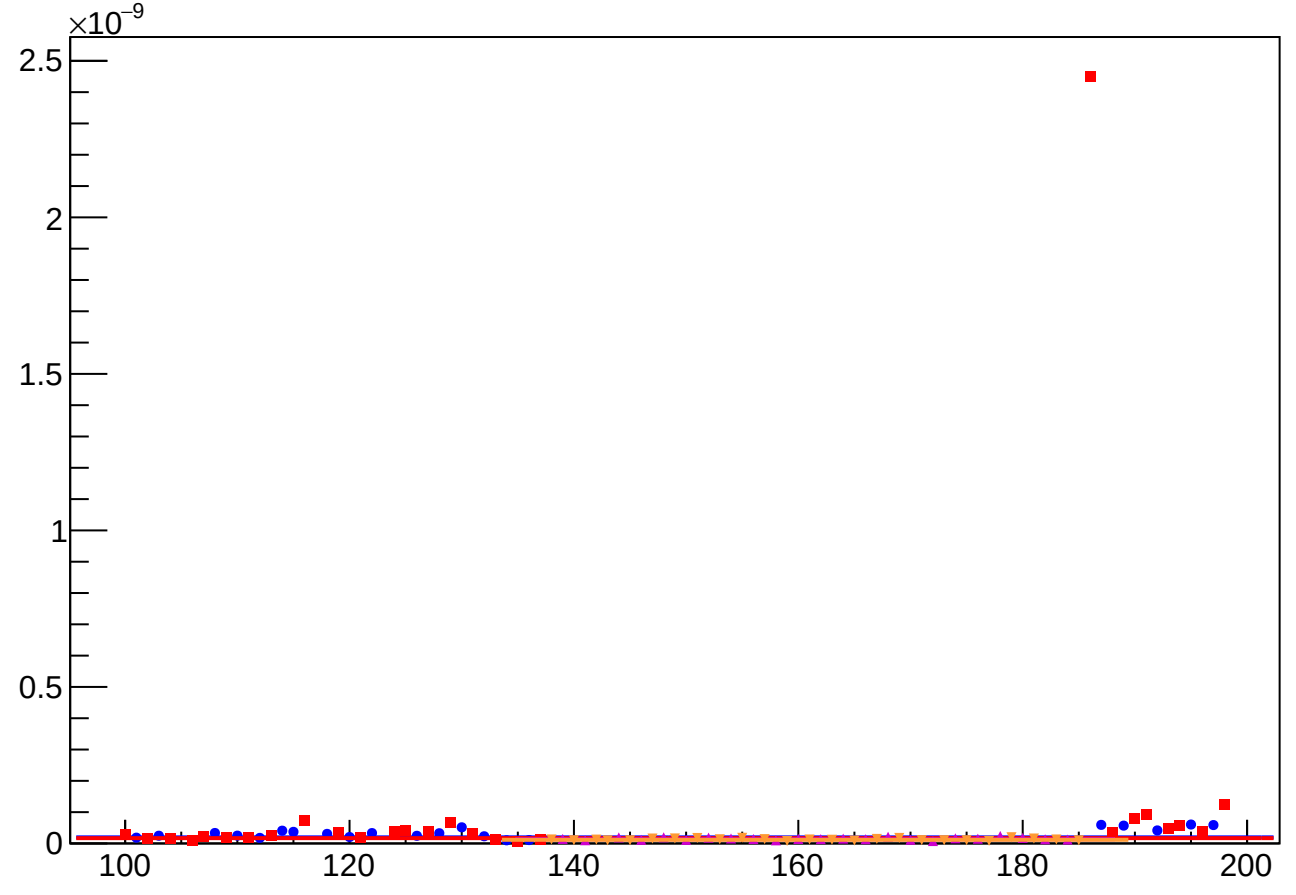
Right: 759.968+/-0.119 χ^2/NDF: 5191596.0/47

In: 890.063+/-0.121 χ^2/NDF:3367956.4/43

Out: 868.836+/-0.113 χ^2/NDF:4657103.6/51

All: 878.734+/-0.083 χ^2/NDF: 8041462.3/95


asym_sam5_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 23.3/20
Left Out: 0.000+/-0.000 χ²/NDF:23.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 19.0/26
Left In: -0.000+/-0.000 χ²/NDF:28.1/22
Left: 0.000+/-0.000 χ²/NDF: 56.5/47
Right: 0.000+/-0.000 χ²/NDF: 45.7/47
In: 0.000+/-0.000 χ²/NDF:54.1/43
Out: 0.000+/-0.000 χ²/NDF:47.1/51
All: 0.000+/-0.000 χ²/NDF: 102.6/95



Right In: 0.000+/-0.000 χ^2/NDF: 2365600.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4237870.5/26

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

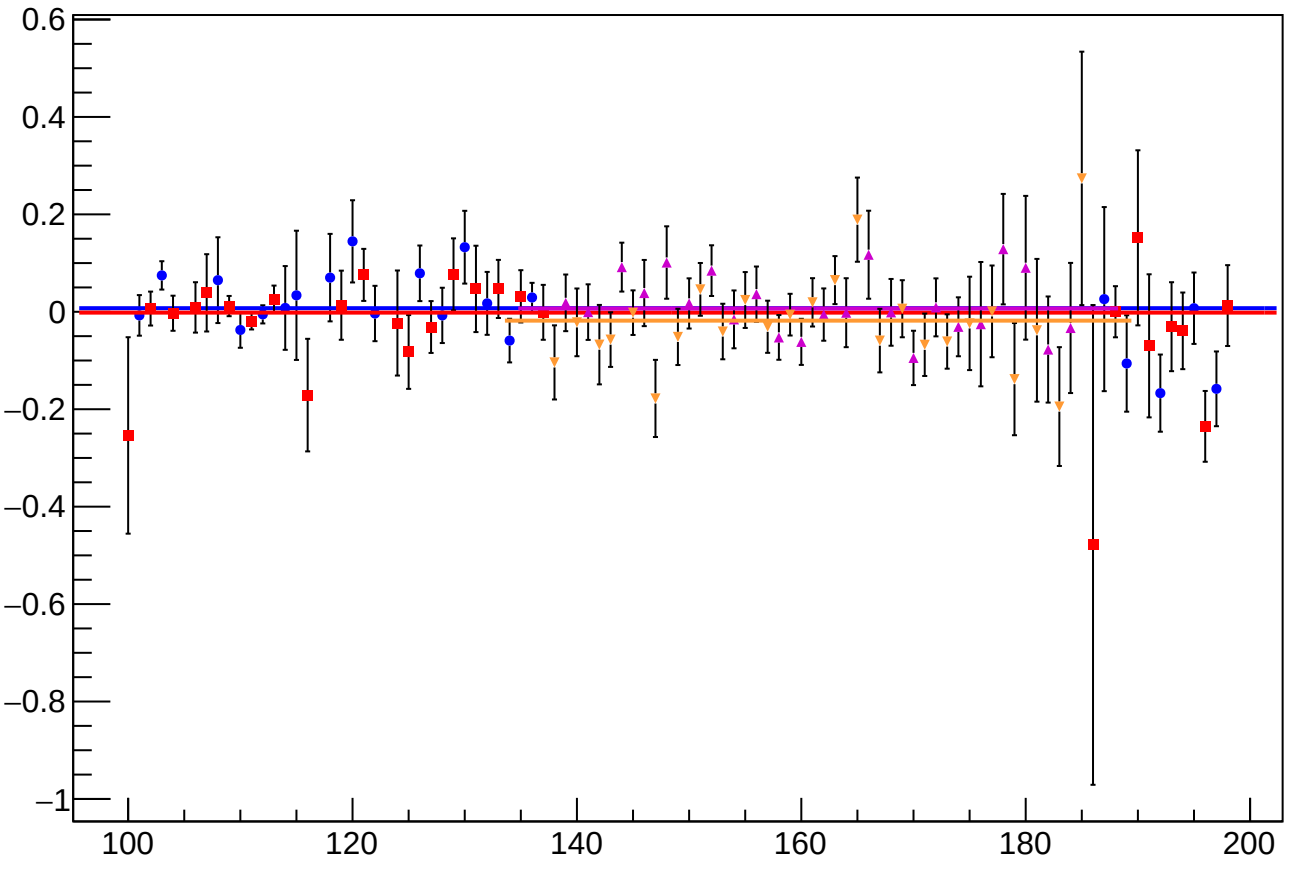
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 6668306.3/47

In: 0.000+/-0.000 χ^2/NDF:3752744.9/43

Out: 0.000+/-0.000 χ^2/NDF:5539290.1/51

All: 0.000+/-0.000 χ^2/NDF: 9469233.4/95



Right In: 0.007+/-0.010 χ^2/NDF: 29.1/20

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.002+/-0.009 χ^2/NDF: 25.2/26

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

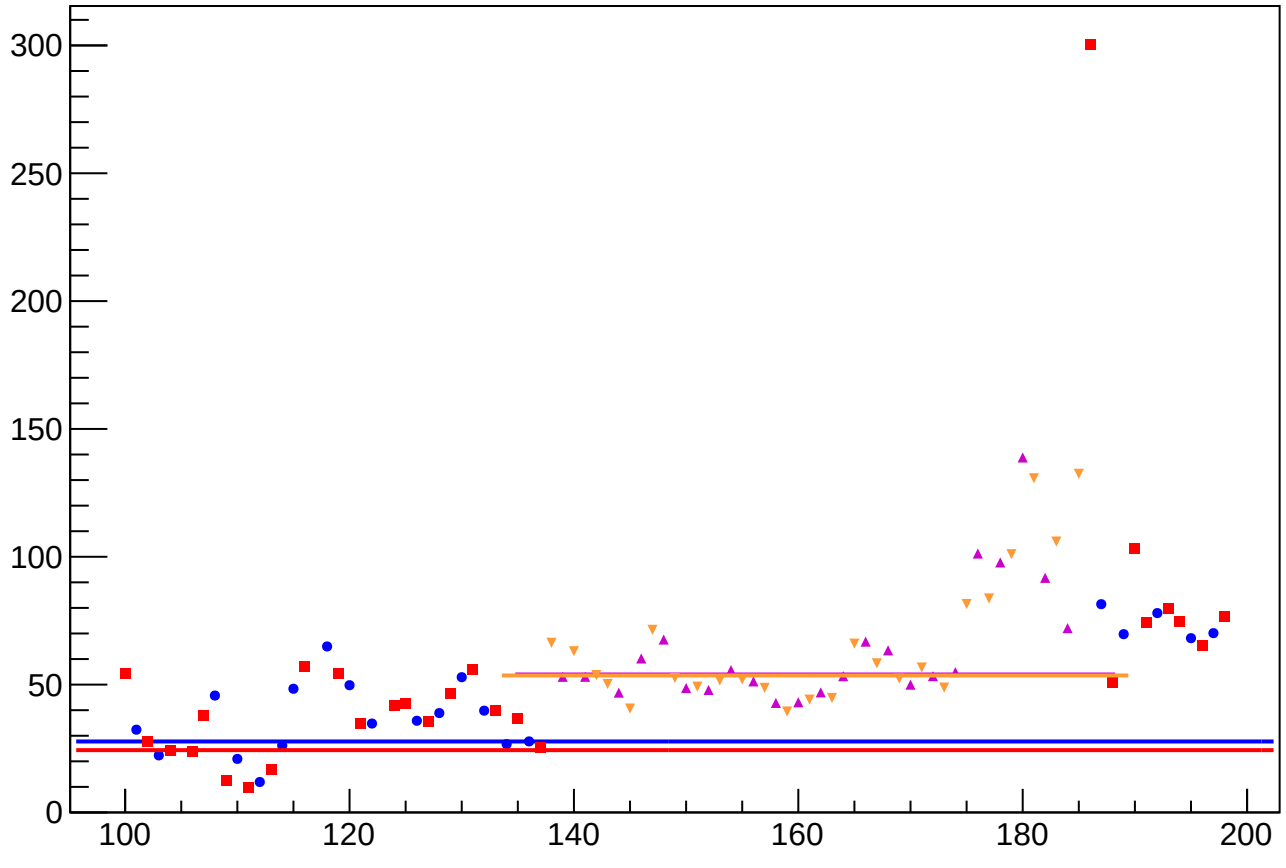
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.002+/-0.007 χ^2/NDF: 54.8/47

In: 0.007+/-0.008 χ^2/NDF:47.8/43

Out: -0.007+/-0.007 χ^2/NDF:50.7/51

All: -0.001+/-0.005 χ^2/NDF: 100.2/95



Right In: 27.762+/-0.007 χ^2/NDF: 5209721.2/20

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 24.372+/-0.006 χ^2/NDF: 8678713.7/26

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

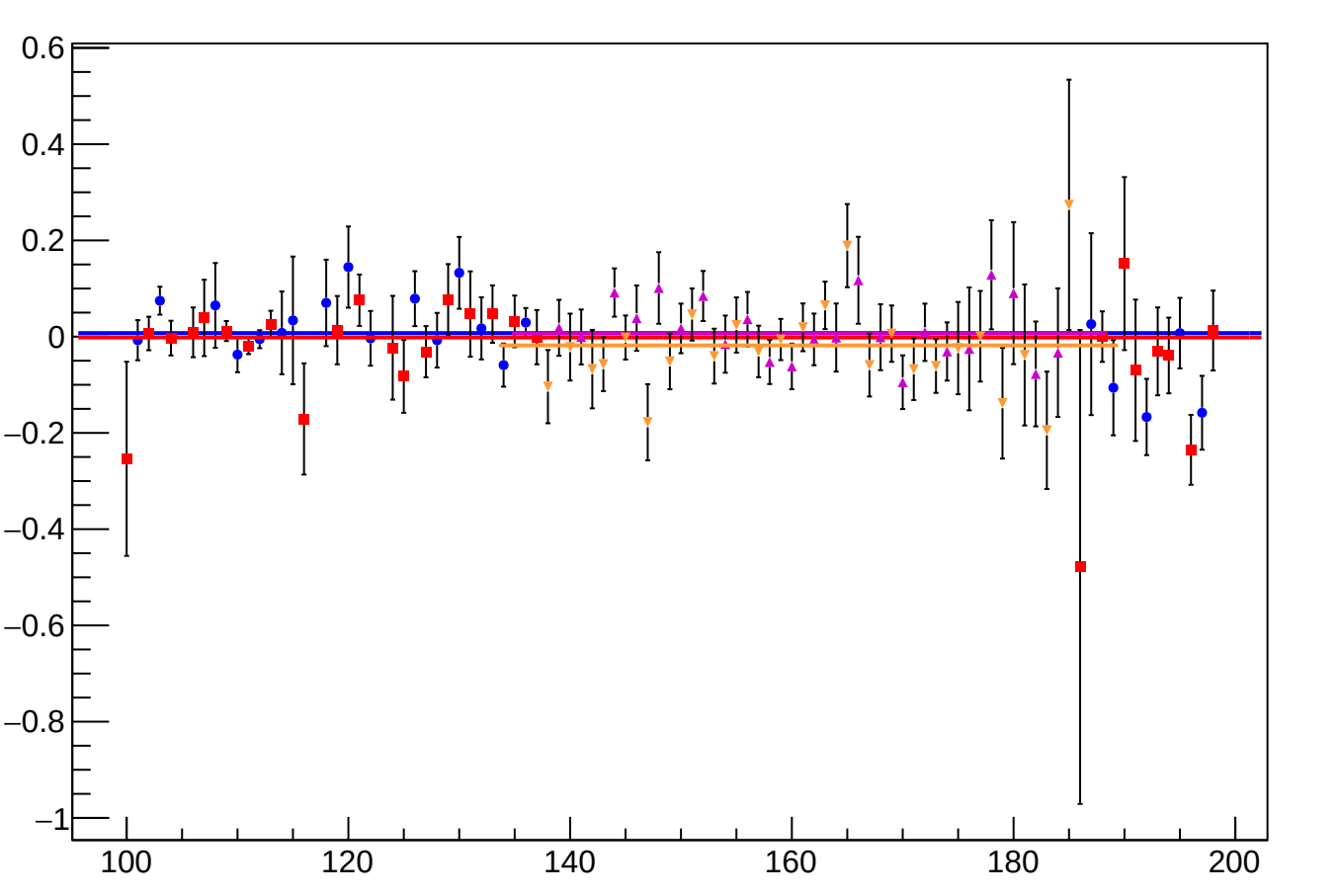
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 25.821+/-0.005 χ^2/NDF: 14014346.6/47

In: 37.592+/-0.006 χ^2/NDF:12176844.1/43

Out: 33.798+/-0.005 χ^2/NDF:18374770.5/51

All: 35.496+/-0.004 χ^2/NDF: 30795222.4/95



Right In: 0.007+/-0.010 χ^2/NDF: 29.1/20

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.002+/-0.009 χ^2/NDF: 25.2/26

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

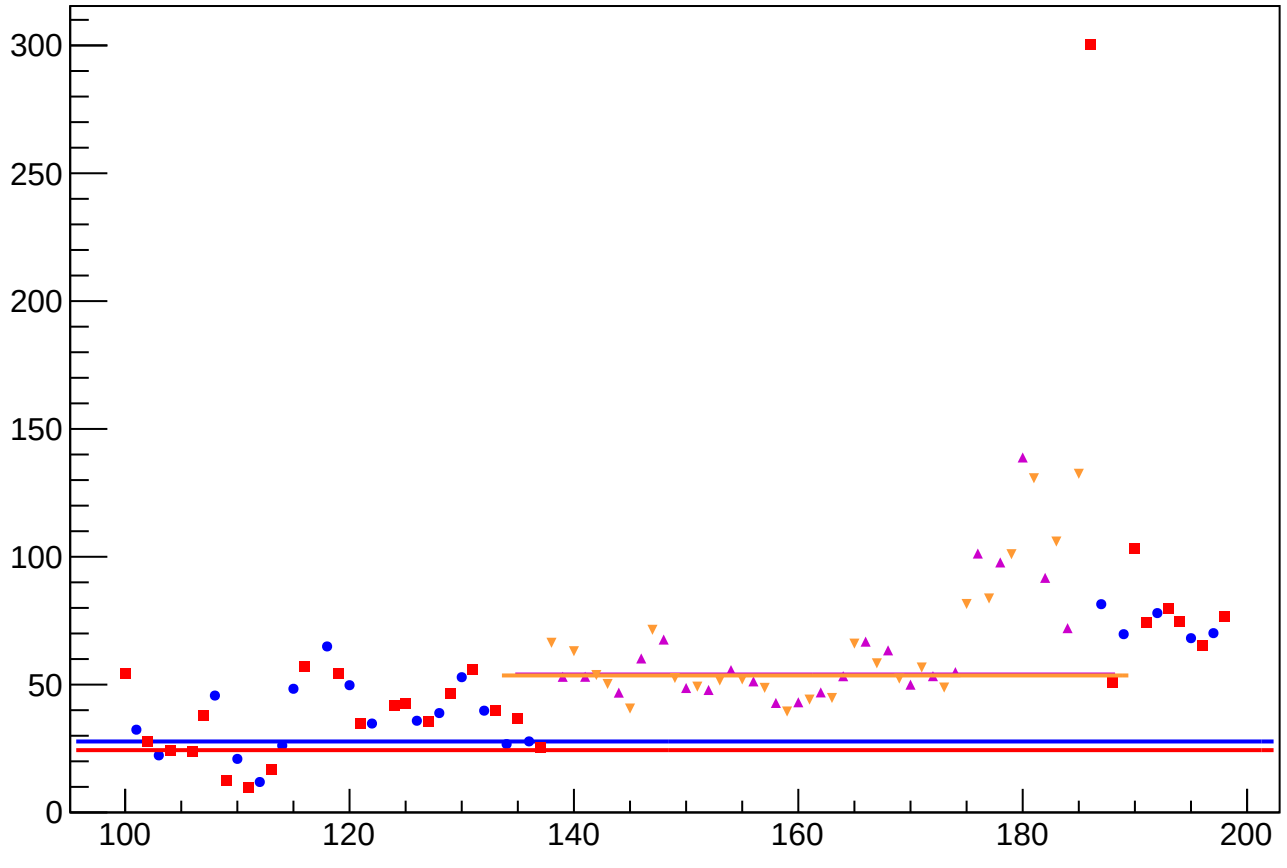
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.002+/-0.007 χ^2/NDF: 54.8/47

In: 0.007+/-0.008 χ^2/NDF:47.8/43

Out: -0.007+/-0.007 χ^2/NDF:50.7/51

All: -0.001+/-0.005 χ^2/NDF: 100.2/95



Right In: 27.762+/-0.007 χ^2/NDF: 5209721.2/20

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 24.372+/-0.006 χ^2/NDF: 8678713.7/26

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

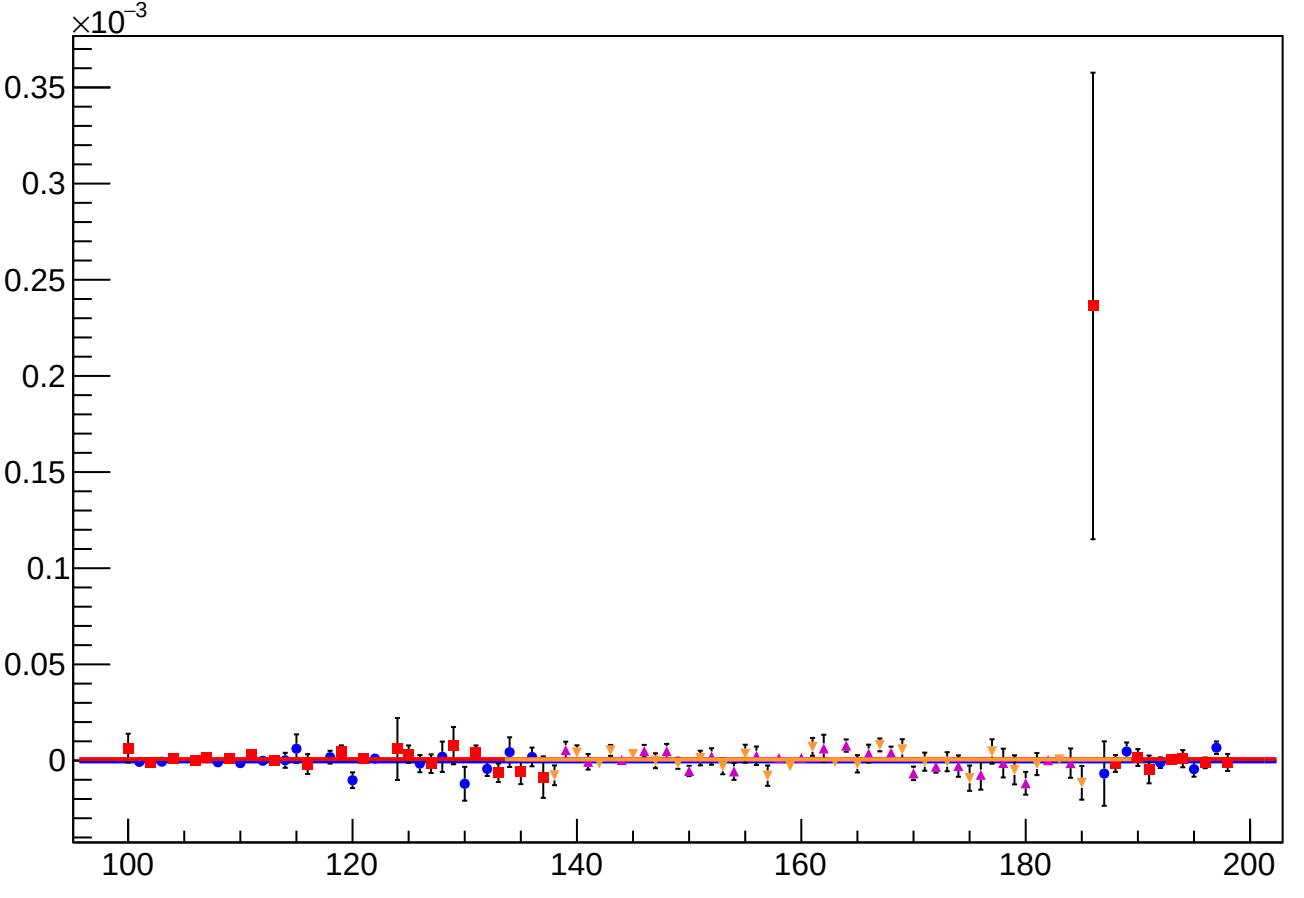
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 25.821+/-0.005 χ^2/NDF: 14014346.6/47

In: 37.592+/-0.006 χ^2/NDF:12176844.1/43

Out: 33.798+/-0.005 χ^2/NDF:18374770.5/51

All: 35.496+/-0.004 χ^2/NDF: 30795222.4/95



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/26

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

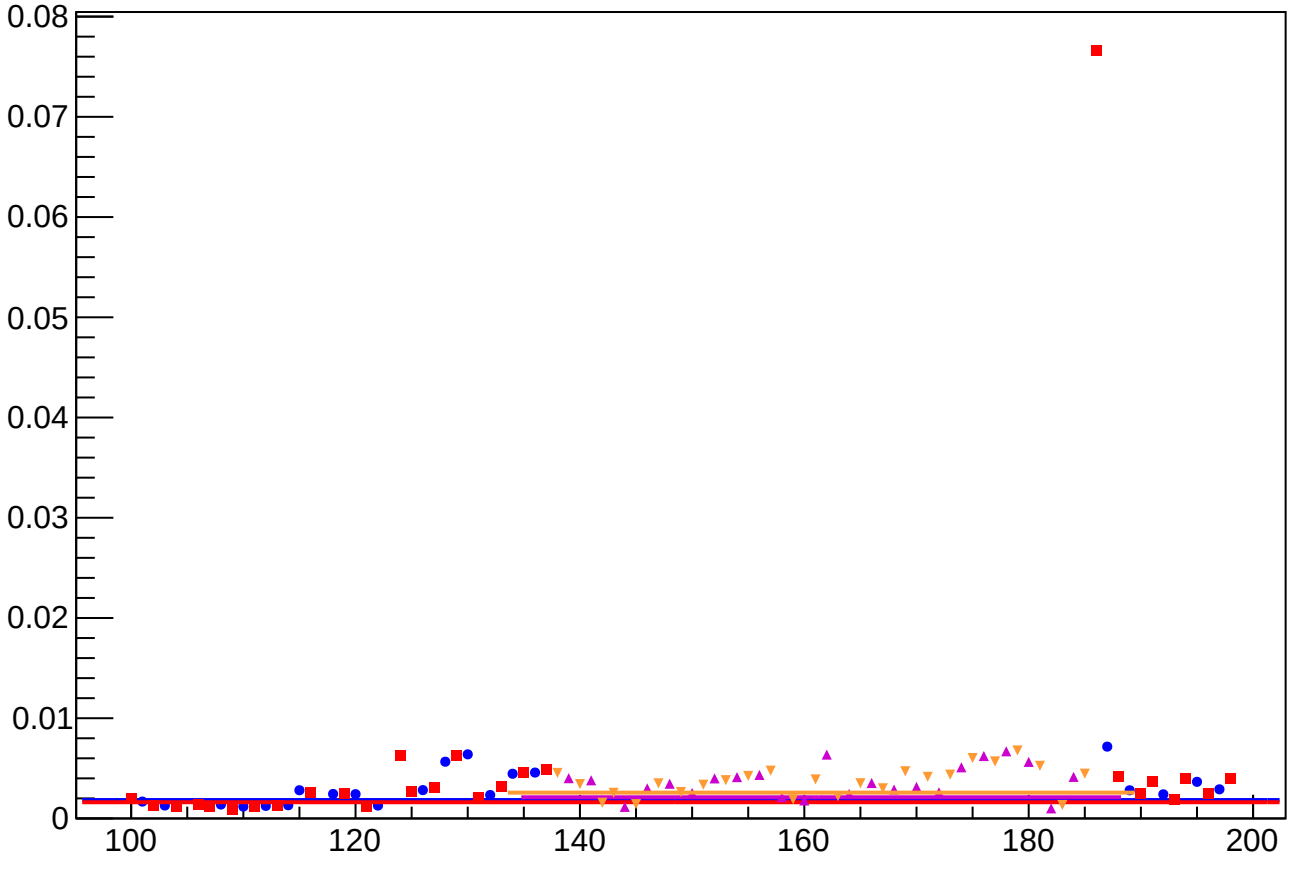
Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

Right: 0.000+/-0.000 χ^2/NDF: 37.8/47

In: 0.000+/-0.000 χ^2/NDF:50.4/43

Out: 0.000+/-0.000 χ^2/NDF:48.2/51

All: 0.000+/-0.000 χ^2/NDF: 99.9/95



Right In: 0.002+/-0.000 χ^2/NDF: 4083201.2/20

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6266238.6/26

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

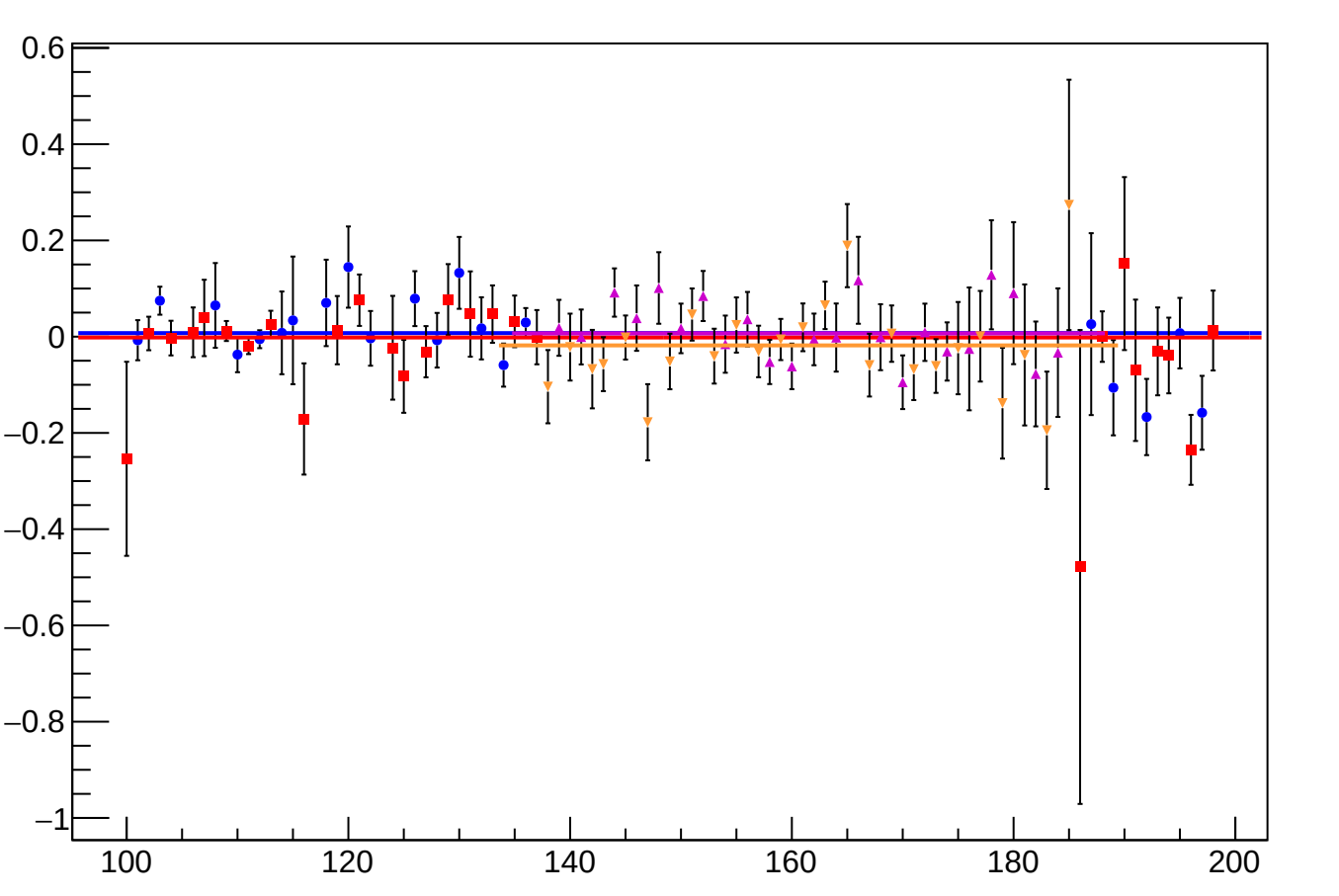
Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

Right: 0.002+/-0.000 χ^2/NDF: 10481507.4/47

In: 0.002+/-0.000 χ^2/NDF:13772717.2/43

Out: 0.002+/-0.000 χ^2/NDF:15897067.2/51

All: 0.002+/-0.000 χ^2/NDF: 29670212.9/95



Right In: 0.007+/-0.010 χ^2/NDF: 29.1/20

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.002+/-0.009 χ^2/NDF: 25.2/26

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

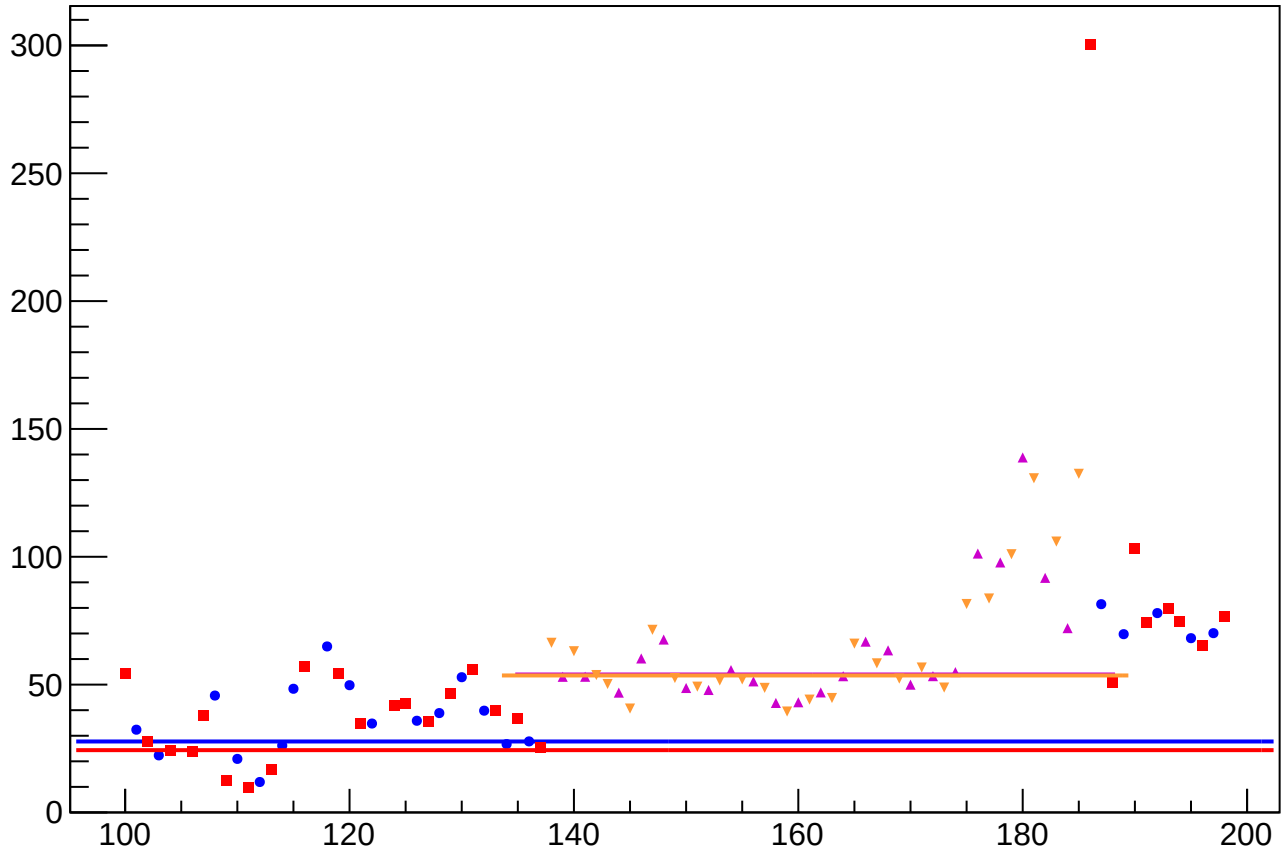
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.002+/-0.007 χ^2/NDF: 54.8/47

In: 0.007+/-0.008 χ^2/NDF:47.8/43

Out: -0.007+/-0.007 χ^2/NDF:50.7/51

All: -0.001+/-0.005 χ^2/NDF: 100.2/95



Right In: 27.762+/-0.007 χ^2/NDF: 5209735.6/20

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 24.371+/-0.006 χ^2/NDF: 8678815.5/26

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

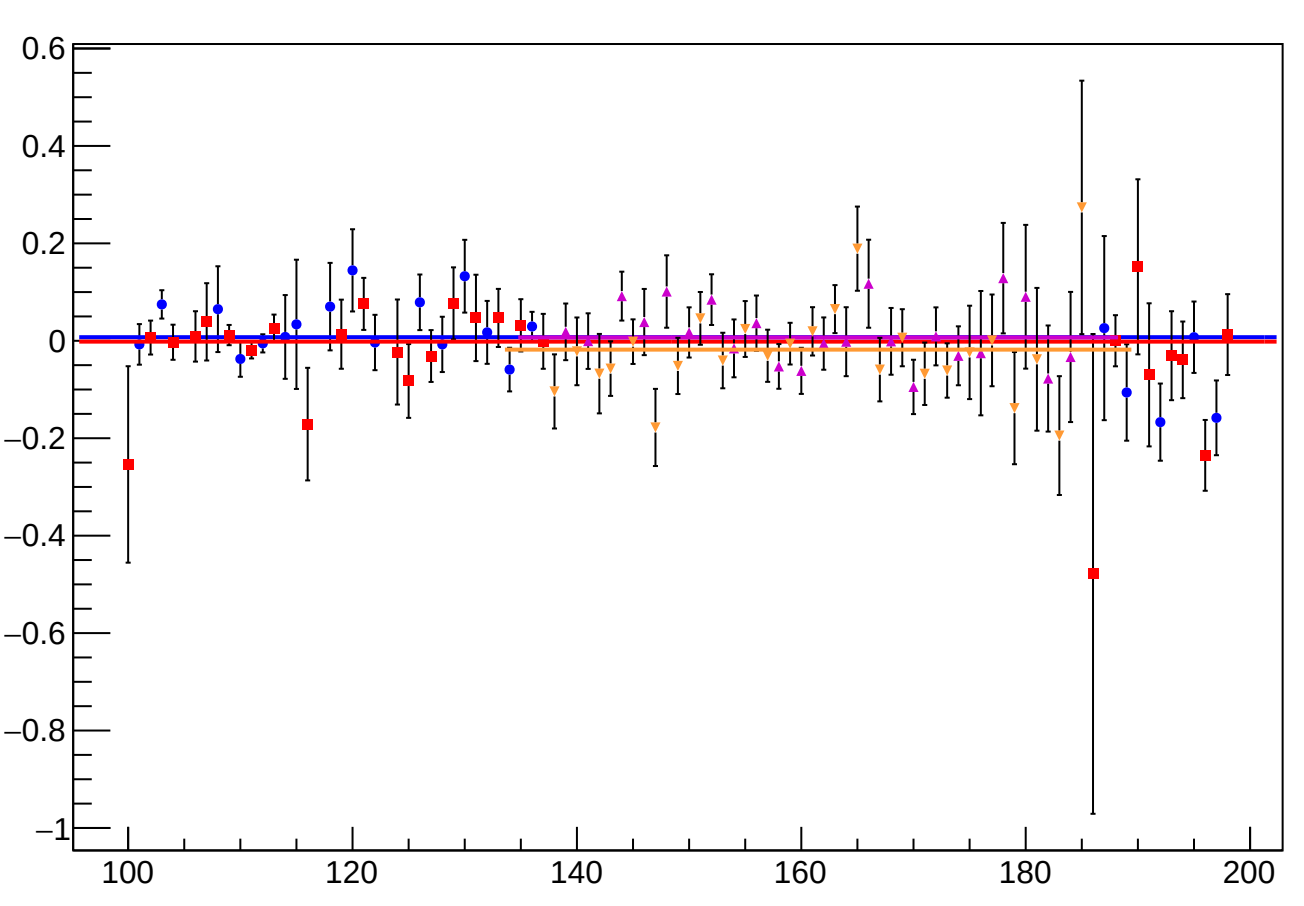
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 25.821+/-0.005 χ^2/NDF: 14014471.3/47

In: 37.592+/-0.006 χ^2/NDF:12177273.2/43

Out: 33.797+/-0.005 χ^2/NDF:18375399.7/51

All: 35.495+/-0.004 χ^2/NDF: 30796297.6/95



Right In: 0.007+/-0.010 χ^2/NDF: 29.1/20

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.002+/-0.009 χ^2/NDF: 25.2/26

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

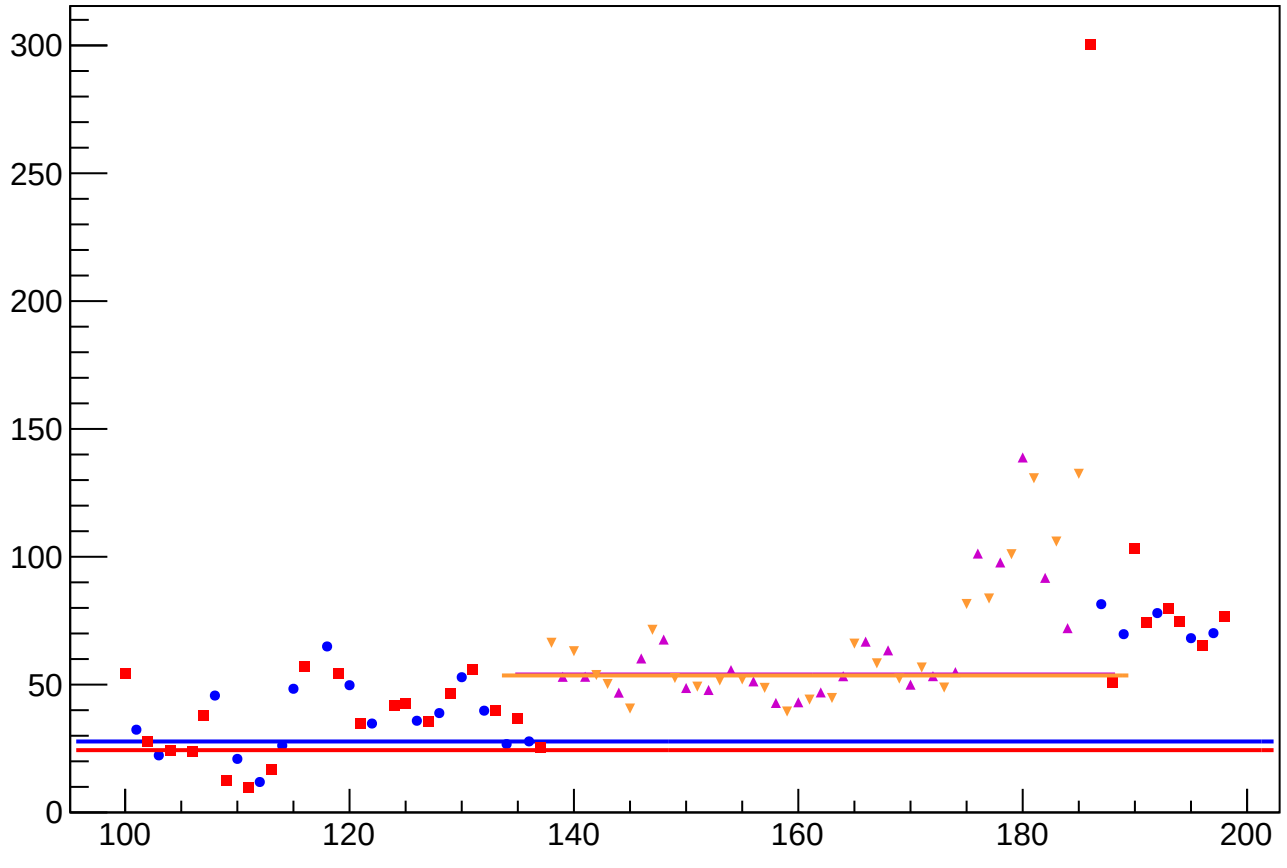
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.002+/-0.007 χ^2/NDF: 54.8/47

In: 0.007+/-0.008 χ^2/NDF:47.8/43

Out: -0.007+/-0.007 χ^2/NDF:50.7/51

All: -0.001+/-0.005 χ^2/NDF: 100.2/95



Right In: 27.762+/-0.007 χ^2/NDF: 5209735.6/20

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 24.371+/-0.006 χ^2/NDF: 8678815.5/26

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

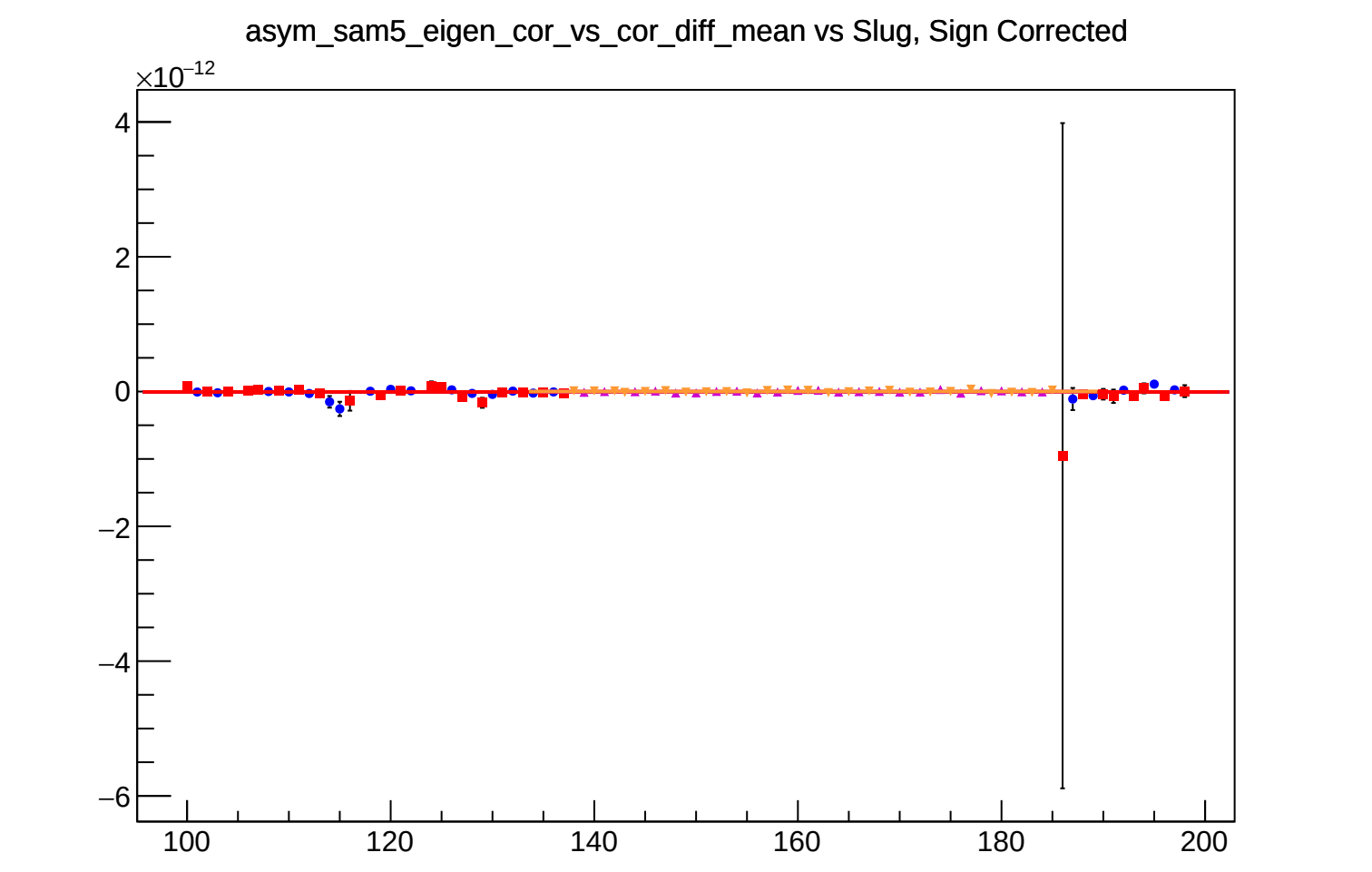
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 25.821+/-0.005 χ^2/NDF: 14014471.3/47

In: 37.592+/-0.006 χ^2/NDF:12177273.2/43

Out: 33.797+/-0.005 χ^2/NDF:18375399.7/51

All: 35.495+/-0.004 χ^2/NDF: 30796297.6/95



Right In: -0.000+/-0.000 χ^2/NDF: 20.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.6/26

Left In: -0.000+/-0.000 χ^2/NDF:18.1/22

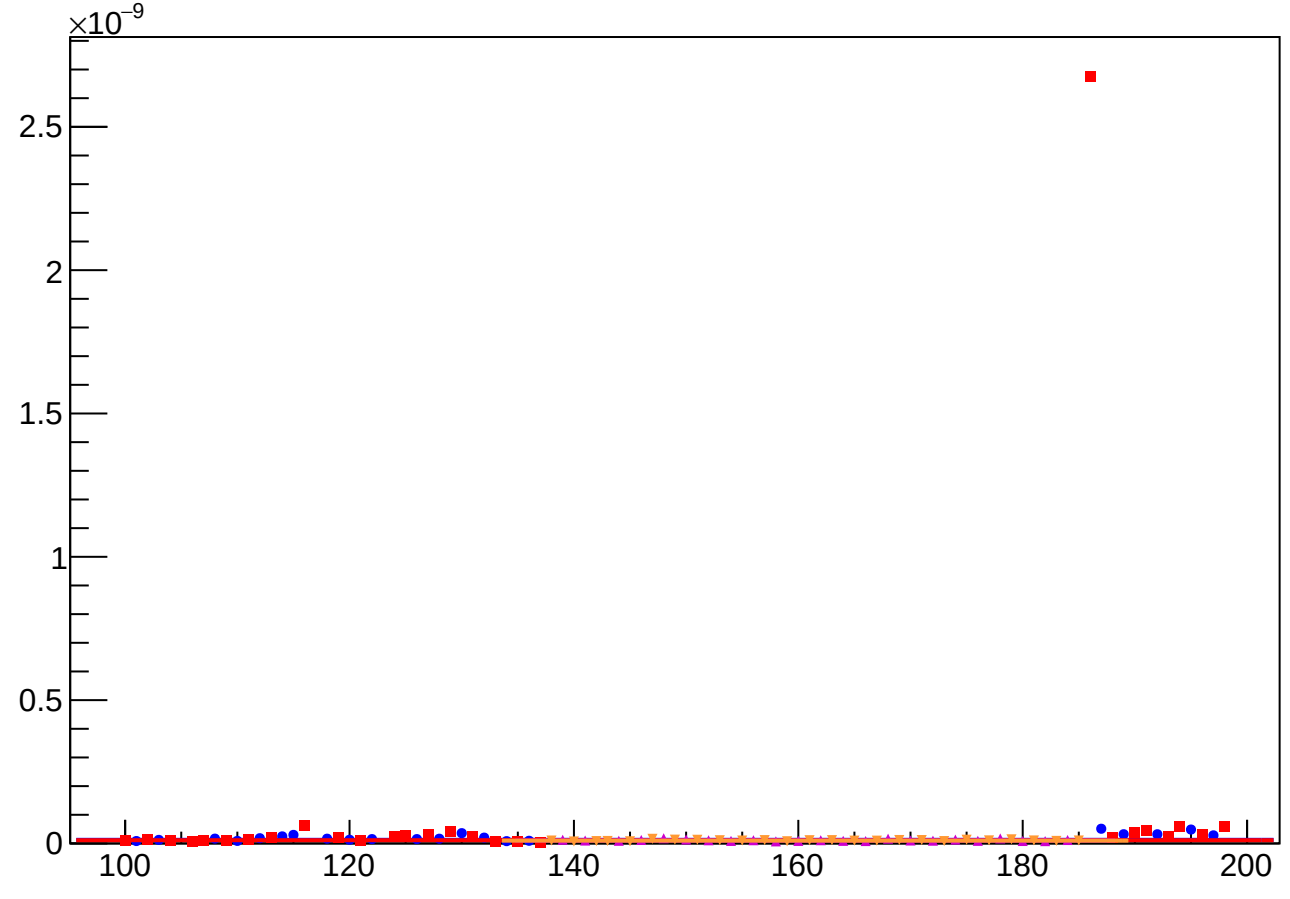
Left: 0.000+/-0.000 χ^2/NDF: 45.7/47

Right: -0.000+/-0.000 χ^2/NDF: 53.8/47

In: -0.000+/-0.000 χ^2/NDF:39.3/43

Out: -0.000+/-0.000 χ^2/NDF:62.6/51

All: -0.000+/-0.000 χ^2/NDF: 102.1/95



Right In: 0.000+/-0.000 χ^2/NDF: 2890281.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6032569.4/26

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

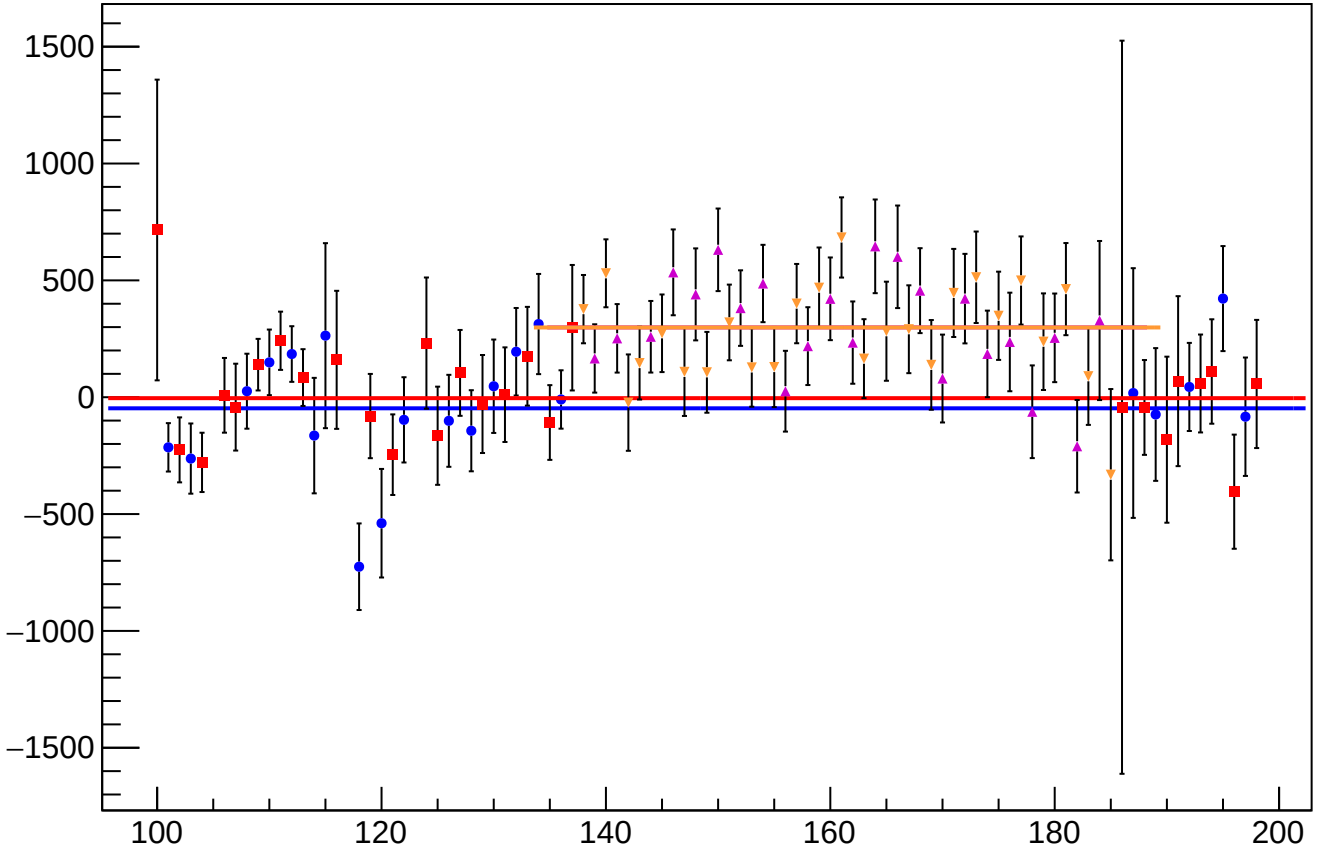
Right: 0.000+/-0.000 χ^2/NDF: 8986338.6/47

In: 0.000+/-0.000 χ^2/NDF:4502976.6/43

Out: 0.000+/-0.000 χ^2/NDF:7359307.4/51

All: 0.000+/-0.000 χ^2/NDF: 11906509.9/95

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -47.446+/-38.458 χ^2/NDF: 39.3/20

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: -4.058+/-35.920 χ^2/NDF: 24.6/26

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

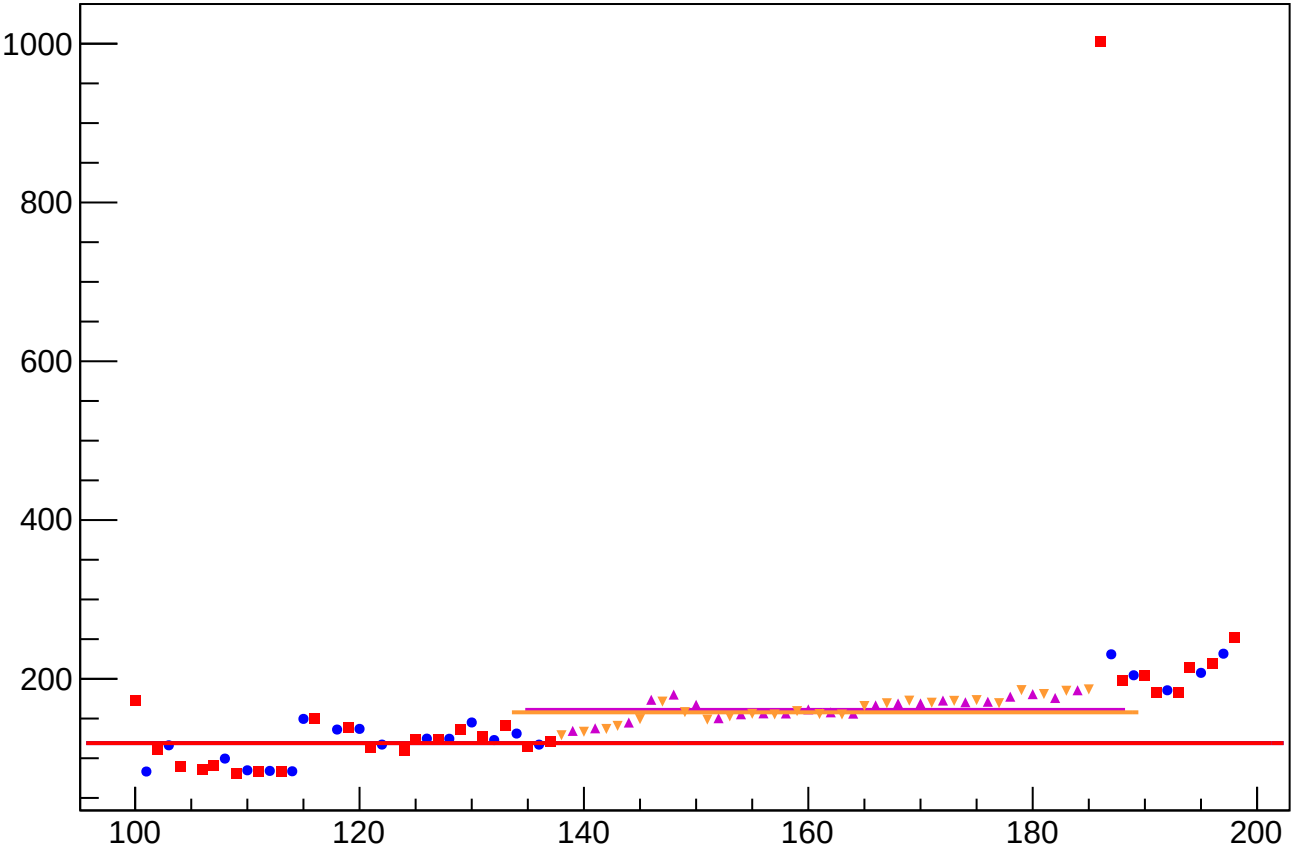
Right: -24.273+/-26.250 χ^2/NDF: 64.5/47

In: 128.934+/-26.932 χ^2/NDF:110.0/43

Out: 146.679+/-25.445 χ^2/NDF:85.9/51

All: 138.310+/-18.496 χ^2/NDF: 196.1/95

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 119.087+/-0.027 χ^2/NDF: 1911488.3/20

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 119.047+/-0.025 χ^2/NDF: 3409115.9/26

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

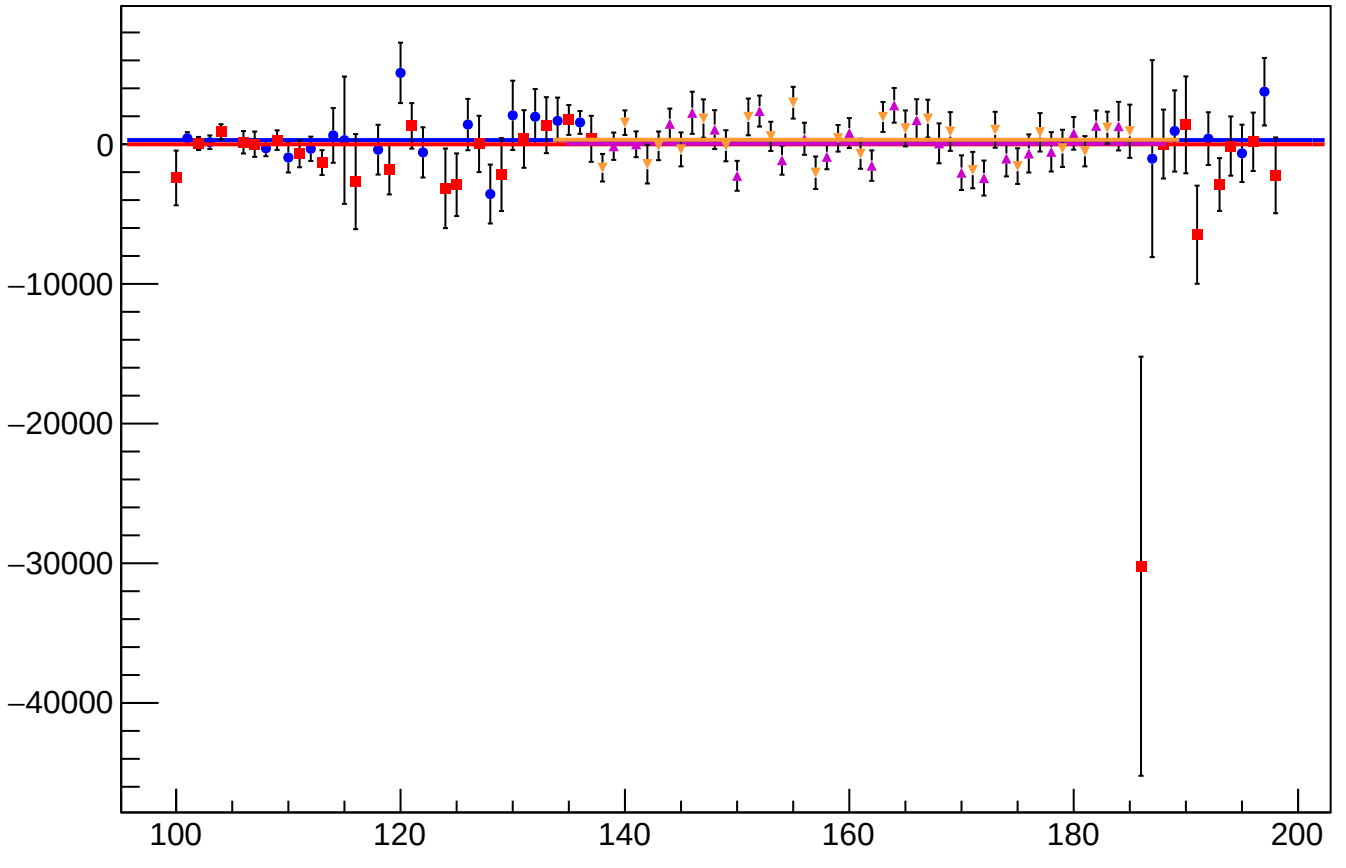
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 119.066+/-0.019 χ^2/NDF: 5320605.4/47

In: 140.382+/-0.019 χ^2/NDF:3383115.0/43

Out: 138.371+/-0.018 χ^2/NDF:4948212.0/51

All: 139.319+/-0.013 χ^2/NDF: 8337214.6/95



Right In: 295.322+/-225.749 χ^2/NDF: 18.8/20

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: -7.853+/-224.995 χ^2/NDF: 26.8/26

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

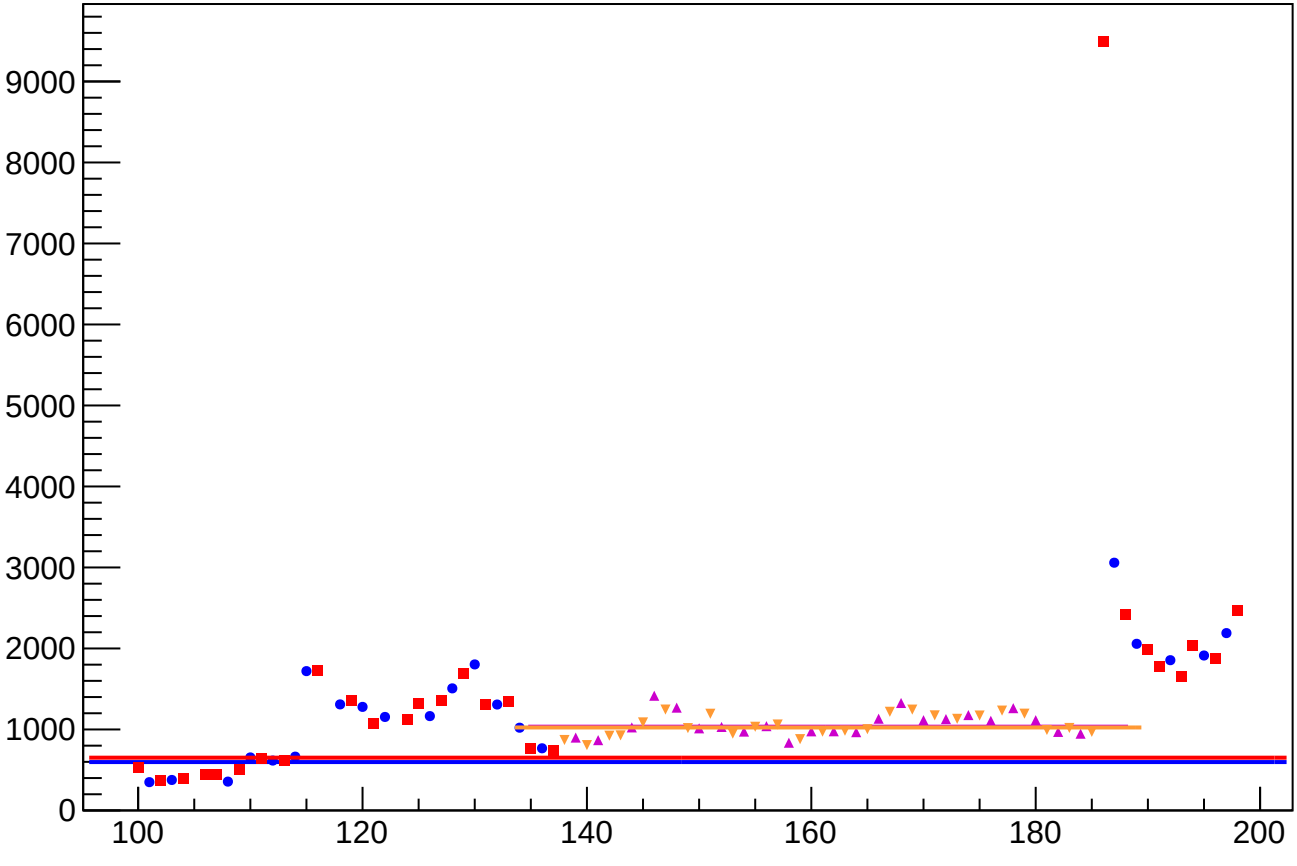
Right: 143.228+/-159.361 χ^2/NDF: 46.5/47

In: 177.277+/-165.754 χ^2/NDF:54.2/43

Out: 148.862+/-162.545 χ^2/NDF:60.3/51

All: 162.792+/-116.055 χ^2/NDF: 114.5/95

asym_sam6_reg_correction_rms vs Slug, Sign Corrected



Right In: 597.377+/-0.160 χ^2/NDF: 7099921.9/20

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 651.628+/-0.159 χ^2/NDF: 8623794.5/26

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

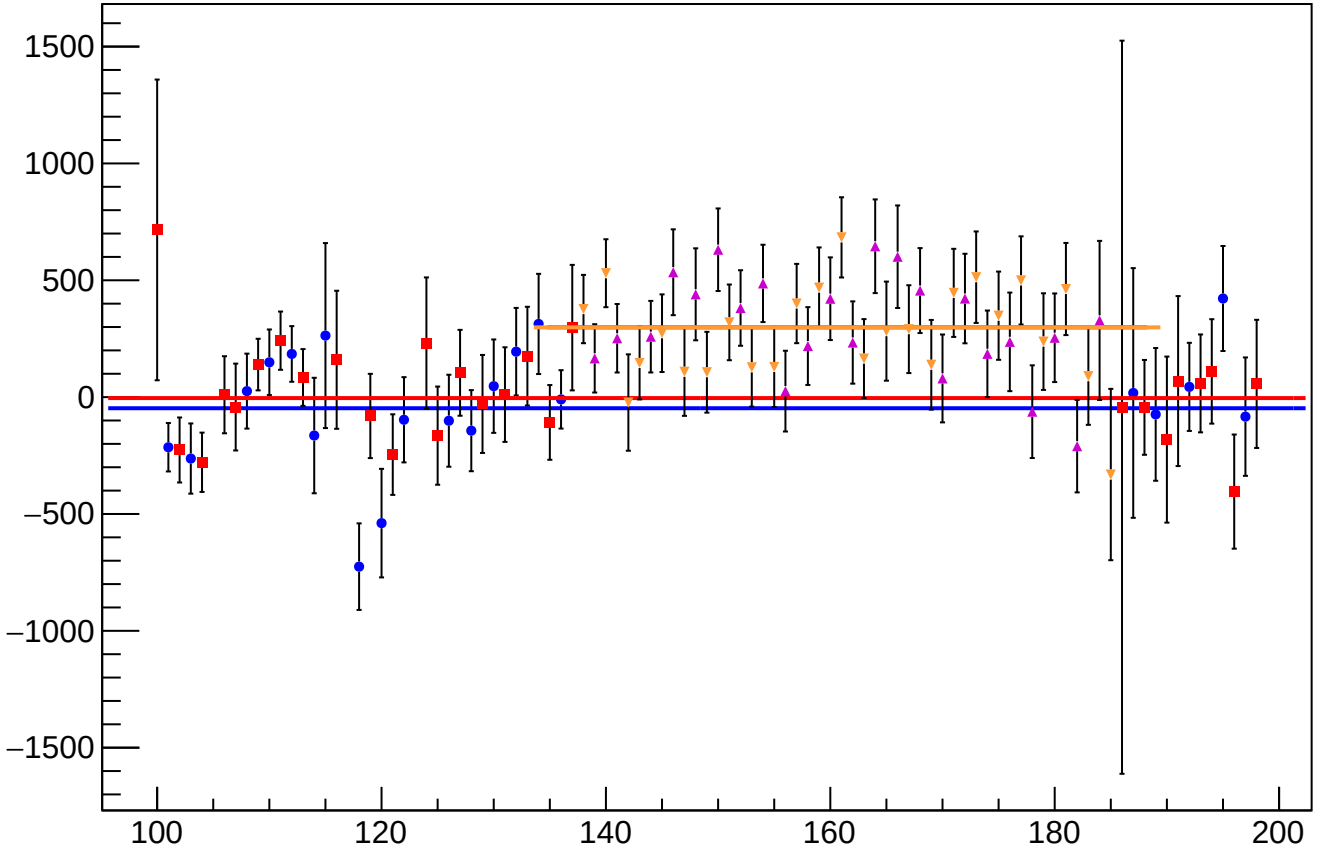
Right: 624.593+/-0.113 χ^2/NDF: 15781661.6/47

In: 798.808+/-0.117 χ^2/NDF:11183324.3/43

Out: 829.888+/-0.115 χ^2/NDF:11847401.9/51

All: 814.651+/-0.082 χ^2/NDF: 23066572.1/95

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -47.470+/-38.458 χ^2/NDF: 39.3/20

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -4.038+/-35.975 χ^2/NDF: 24.6/26

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

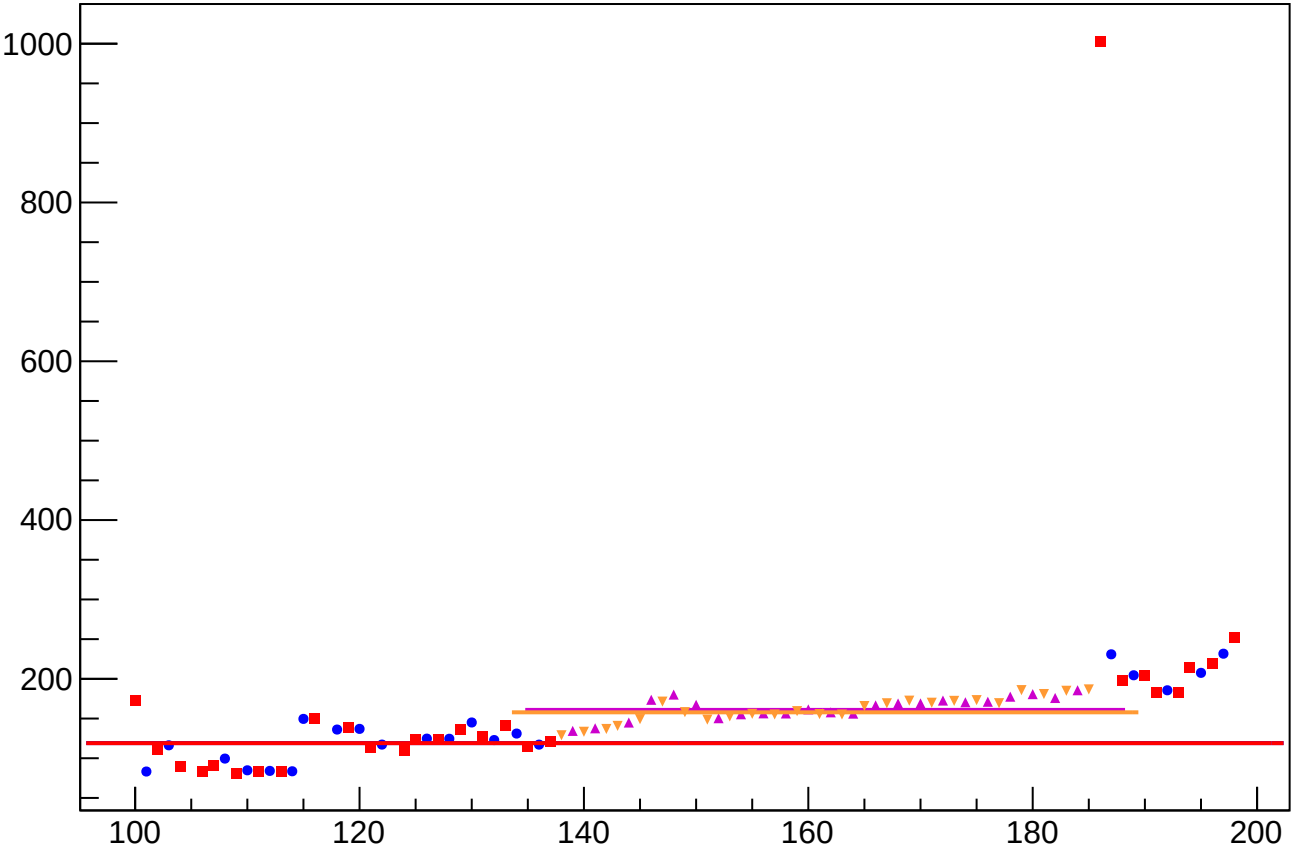
Right: -24.307+/-26.272 χ^2/NDF: 64.5/47

In: 128.927+/-26.932 χ^2/NDF:110.0/43

Out: 146.922+/-25.465 χ^2/NDF:85.8/51

All: 138.428+/-18.503 χ^2/NDF: 196.0/95

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 119.087+/-0.027 χ^2/NDF: 1911488.0/20

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 119.000+/-0.025 χ^2/NDF: 3419971.3/26

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

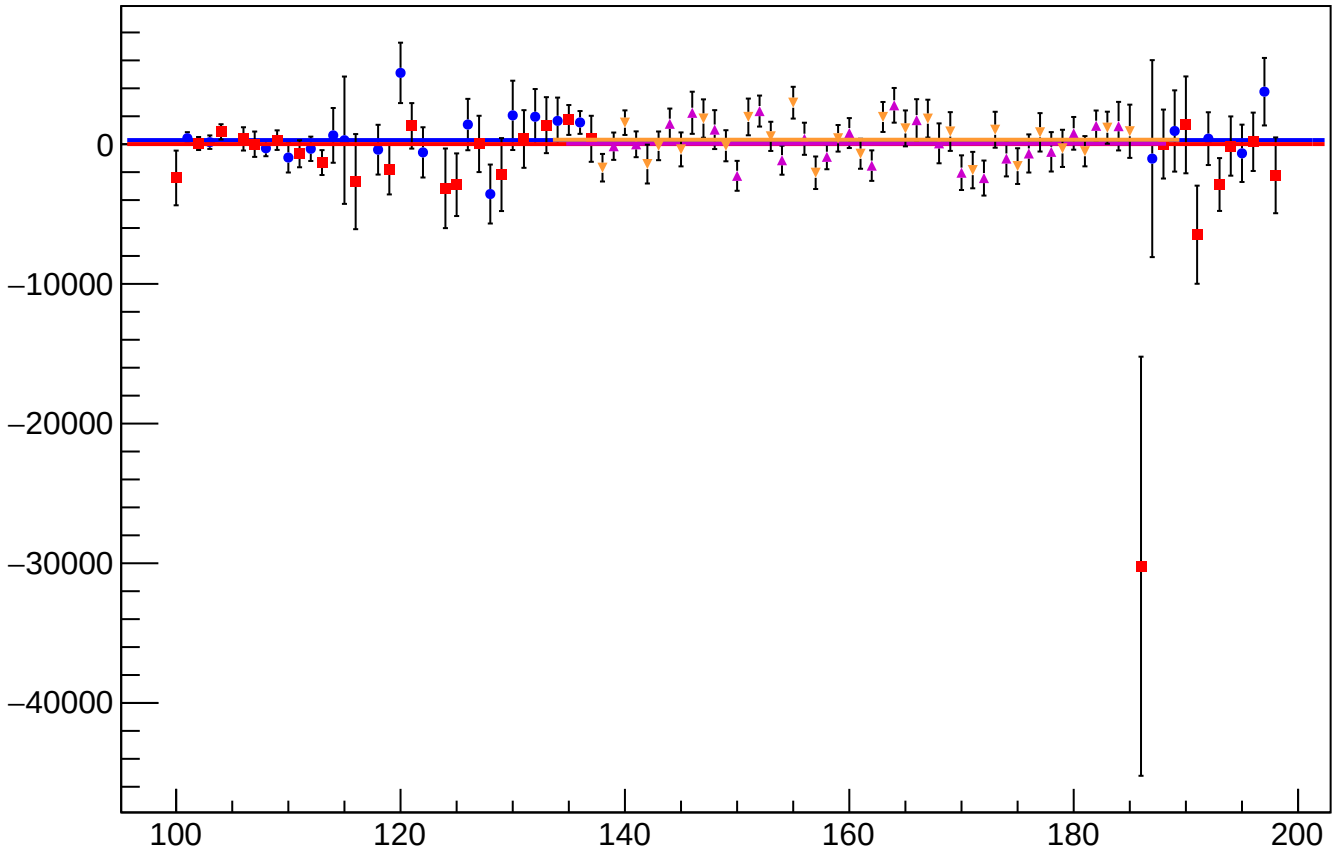
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 119.040+/-0.019 χ^2/NDF: 5331464.8/47

In: 140.382+/-0.019 χ^2/NDF:3383111.2/43

Out: 138.377+/-0.018 χ^2/NDF:4960149.6/51

All: 139.323+/-0.013 χ^2/NDF: 8349109.9/95



Right In: 295.454+/-225.742 χ^2/NDF: 18.8/20

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 8.369+/-225.565 χ^2/NDF: 26.9/26

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

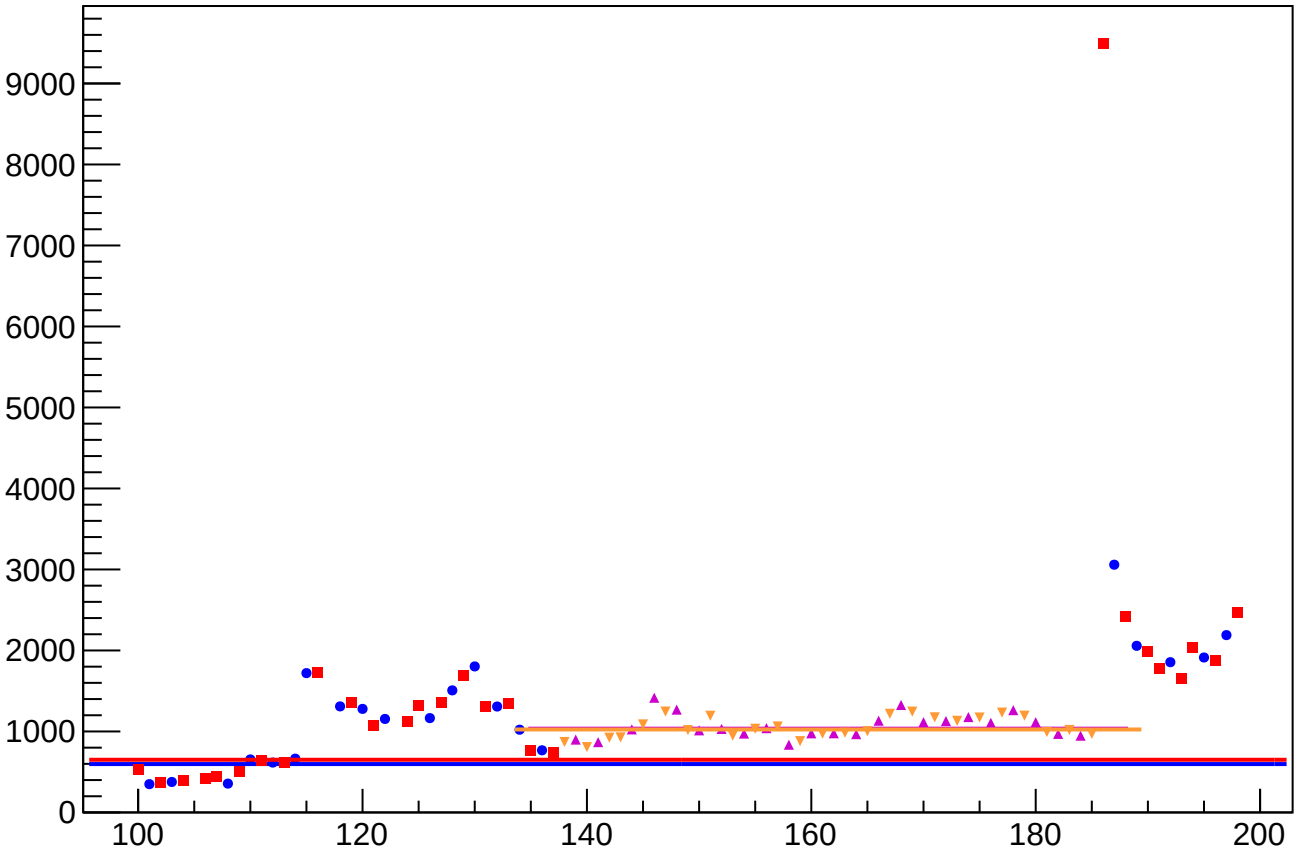
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 151.799+/-159.561 χ^2/NDF: 46.6/47

In: 177.353+/-165.752 χ^2/NDF:54.2/43

Out: 157.725+/-162.760 χ^2/NDF:60.4/51

All: 167.360+/-116.132 χ^2/NDF: 114.6/95



Right In: 597.352+/-0.160 χ^2/NDF: 7100230.8/20

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 650.599+/-0.159 χ^2/NDF: 8652324.6/26

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

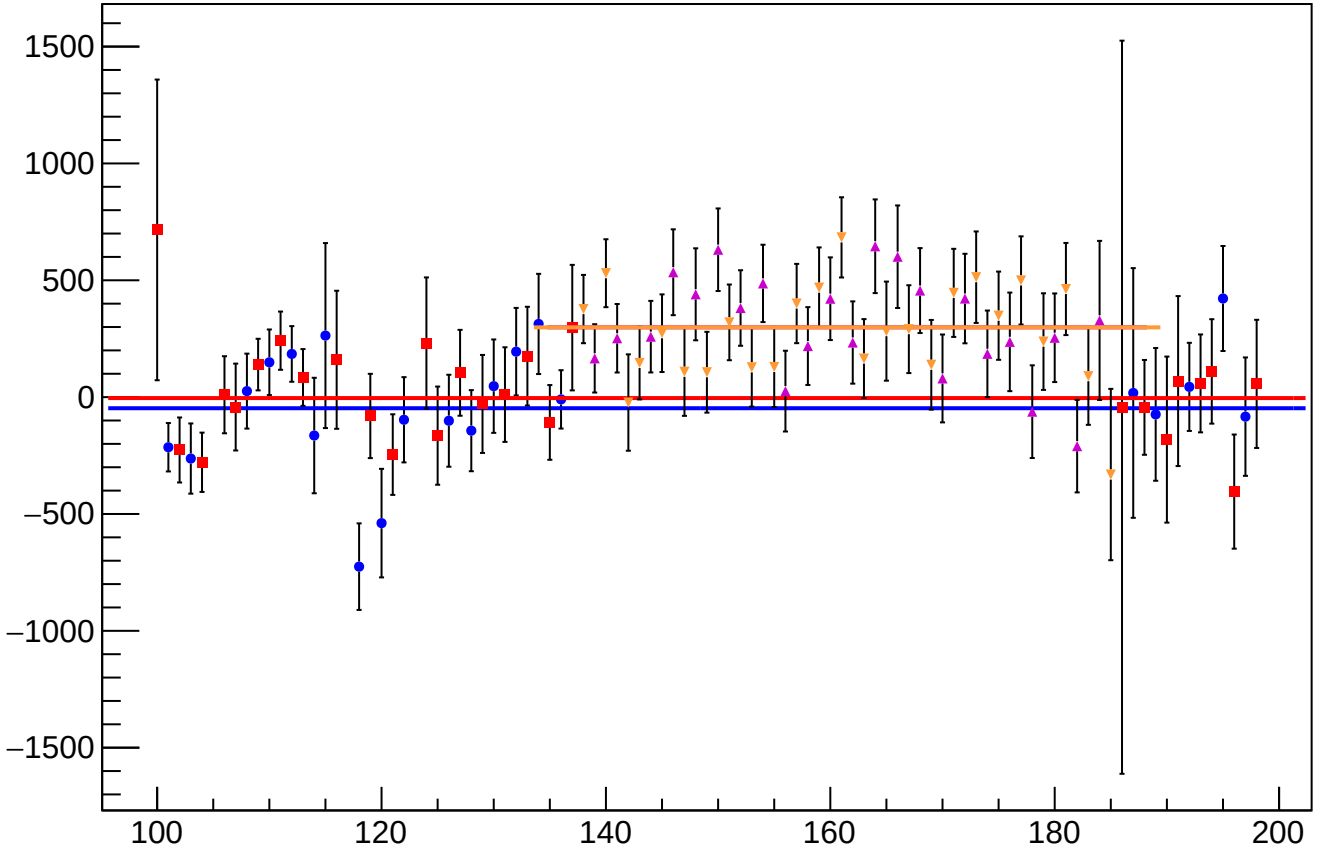
Right: 623.997+/-0.113 χ^2/NDF: 15808236.5/47

In: 798.788+/-0.117 χ^2/NDF:11184112.7/43

Out: 829.823+/-0.115 χ^2/NDF:11884046.8/51

All: 814.588+/-0.082 χ^2/NDF: 23103856.5/95

eigen_cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -47.470+/-38.458 χ^2/NDF: 39.3/20

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -4.038+/-35.975 χ^2/NDF: 24.6/26

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

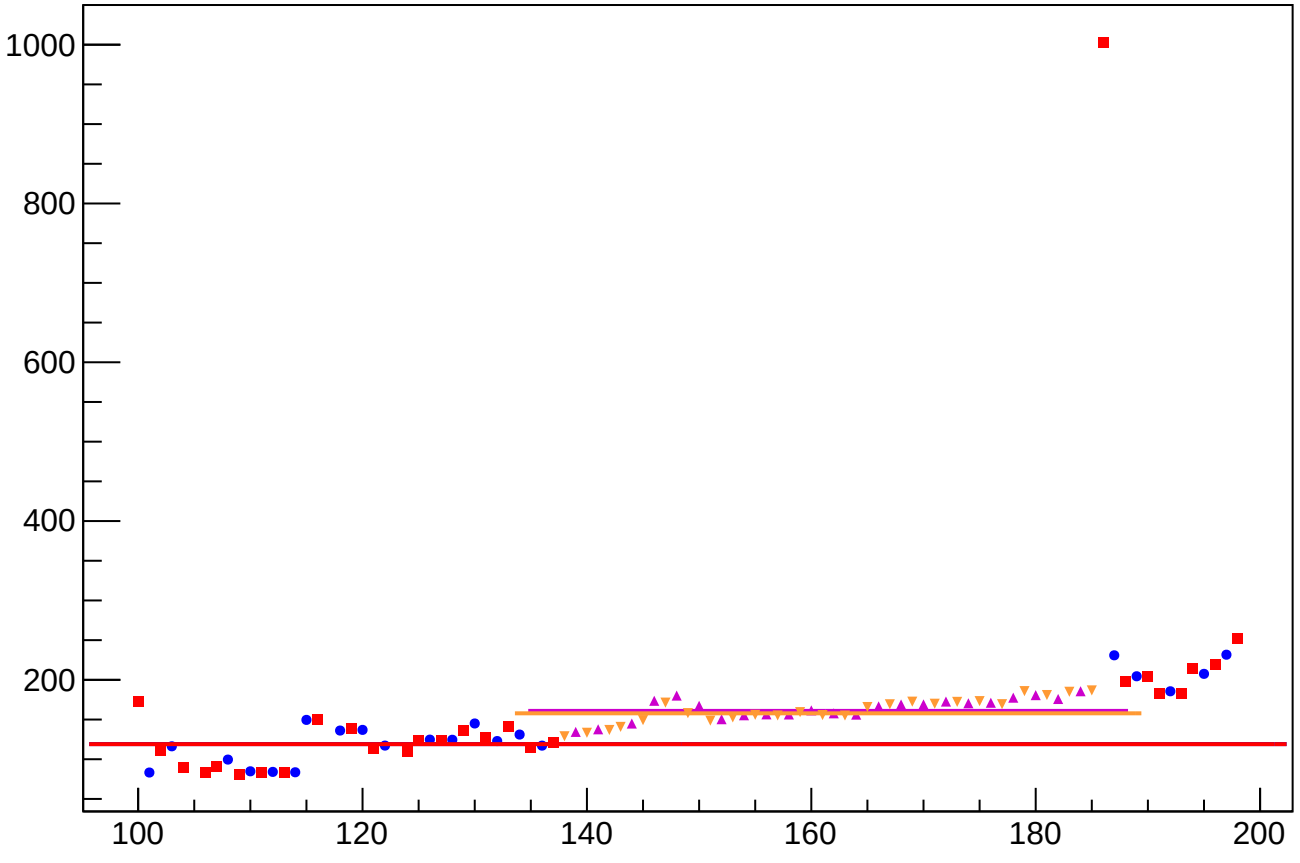
Right: -24.307+/-26.272 χ^2/NDF: 64.5/47

In: 128.927+/-26.932 χ^2/NDF:110.0/43

Out: 146.922+/-25.465 χ^2/NDF:85.8/51

All: 138.428+/-18.503 χ^2/NDF: 196.0/95

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 119.087+/-0.027 χ^2/NDF: 1911488.0/20

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 119.000+/-0.025 χ^2/NDF: 3419971.3/26

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

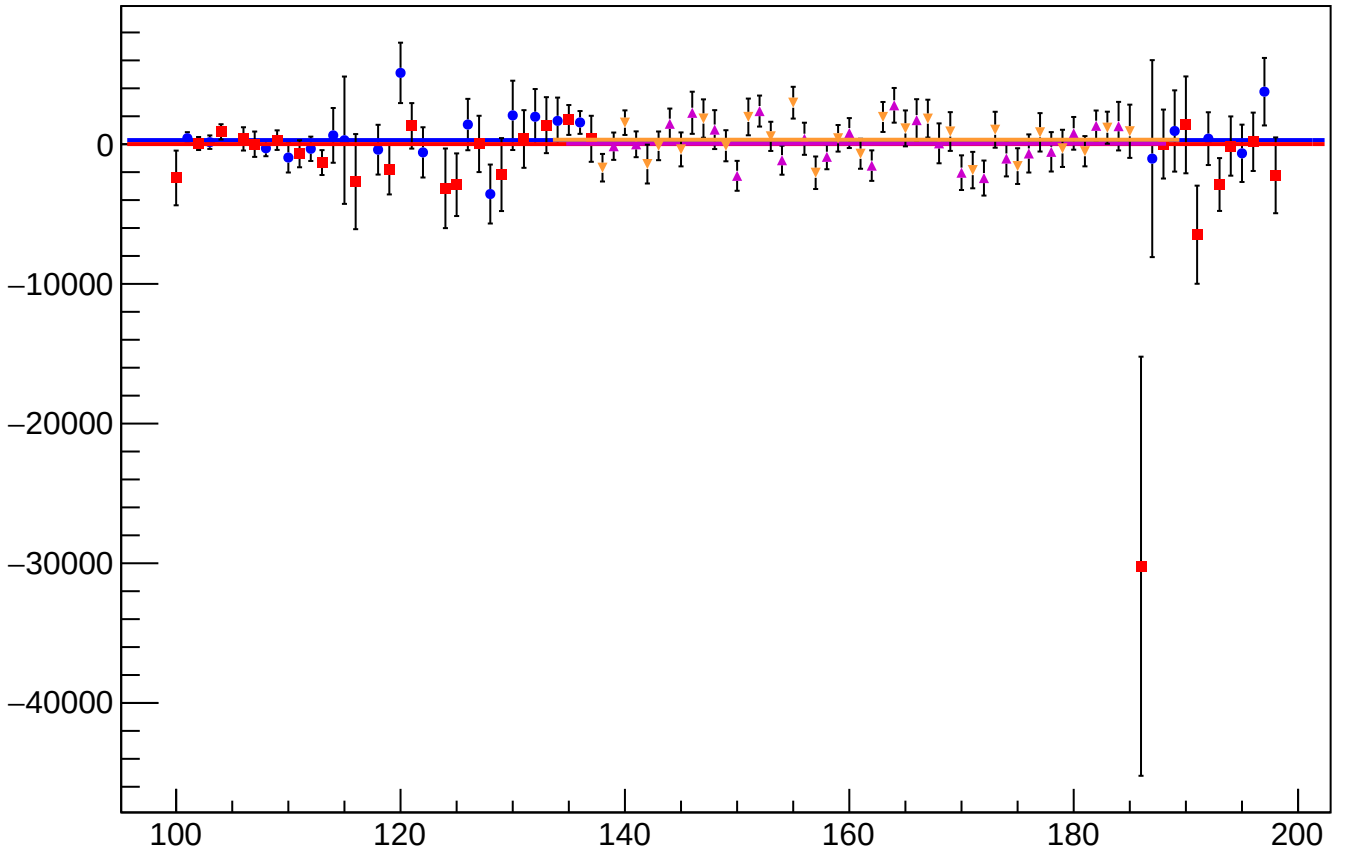
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 119.040+/-0.019 χ^2/NDF: 5331464.8/47

In: 140.382+/-0.019 χ^2/NDF:3383111.2/43

Out: 138.377+/-0.018 χ^2/NDF:4960149.6/51

All: 139.323+/-0.013 χ^2/NDF: 8349109.9/95



Right In: 295.454+/-225.742 χ^2/NDF: 18.8/20

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 8.369+/-225.565 χ^2/NDF: 26.9/26

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

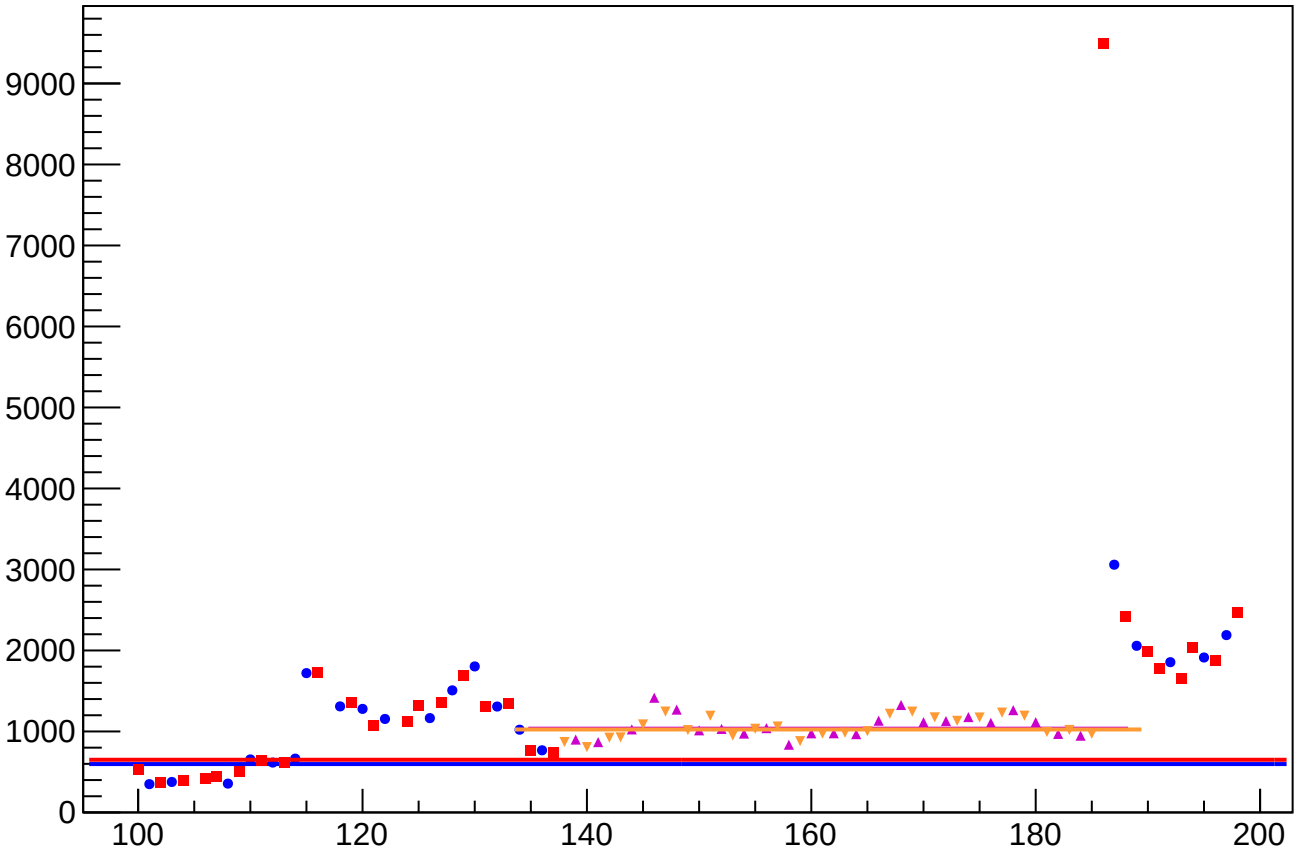
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 151.799+/-159.561 χ^2/NDF: 46.6/47

In: 177.353+/-165.752 χ^2/NDF:54.2/43

Out: 157.725+/-162.760 χ^2/NDF:60.4/51

All: 167.360+/-116.132 χ^2/NDF: 114.6/95



Right In: 597.352+/-0.160 χ^2/NDF: 7100230.8/20

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 650.599+/-0.159 χ^2/NDF: 8652324.6/26

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

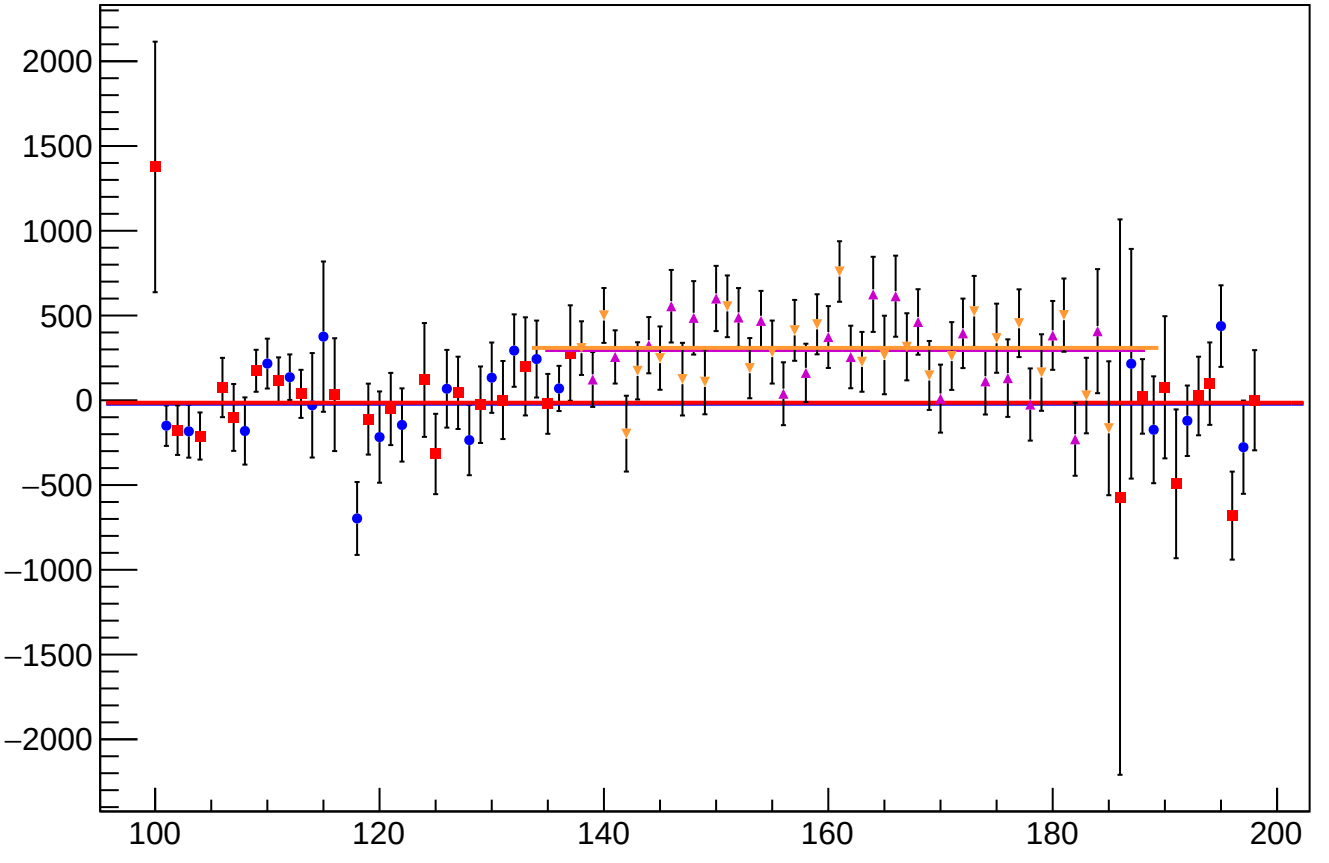
Right: 623.997+/-0.113 χ^2/NDF: 15808236.5/47

In: 798.788+/-0.117 χ^2/NDF:11184112.7/43

Out: 829.823+/-0.115 χ^2/NDF:11884046.8/51

All: 814.588+/-0.082 χ^2/NDF: 23103856.5/95

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -20.240+/-43.019 χ^2/NDF: 29.3/20

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: -14.460+/-40.138 χ^2/NDF: 22.6/26

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

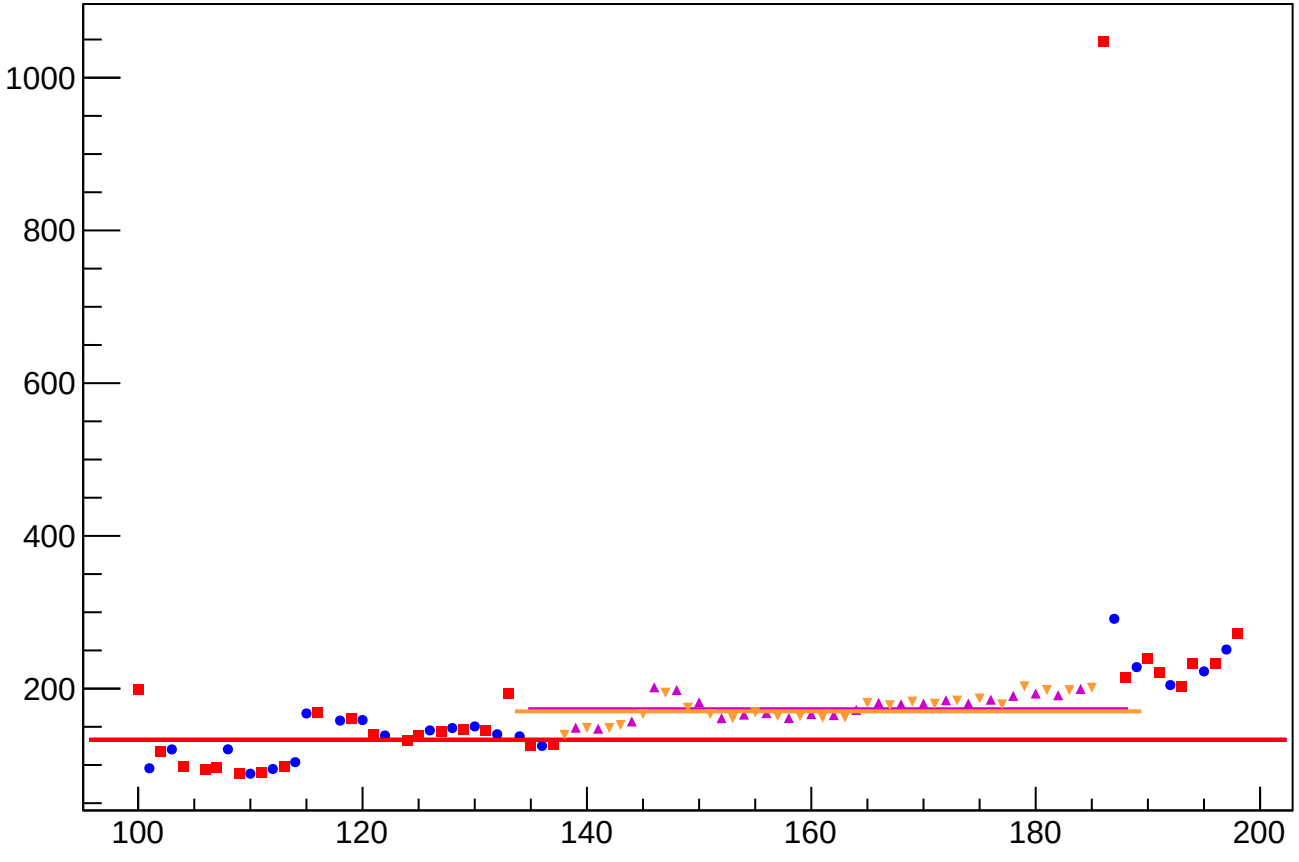
Right: -17.150+/-29.348 χ^2/NDF: 51.9/47

In: 147.257+/-29.529 χ^2/NDF:85.8/43

Out: 152.350+/-27.934 χ^2/NDF:81.7/51

All: 149.945+/-20.293 χ^2/NDF: 167.5/95

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 133.220+/-0.030 χ^2/NDF: 1855084.9/20

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 132.784+/-0.028 χ^2/NDF: 3463573.5/26

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

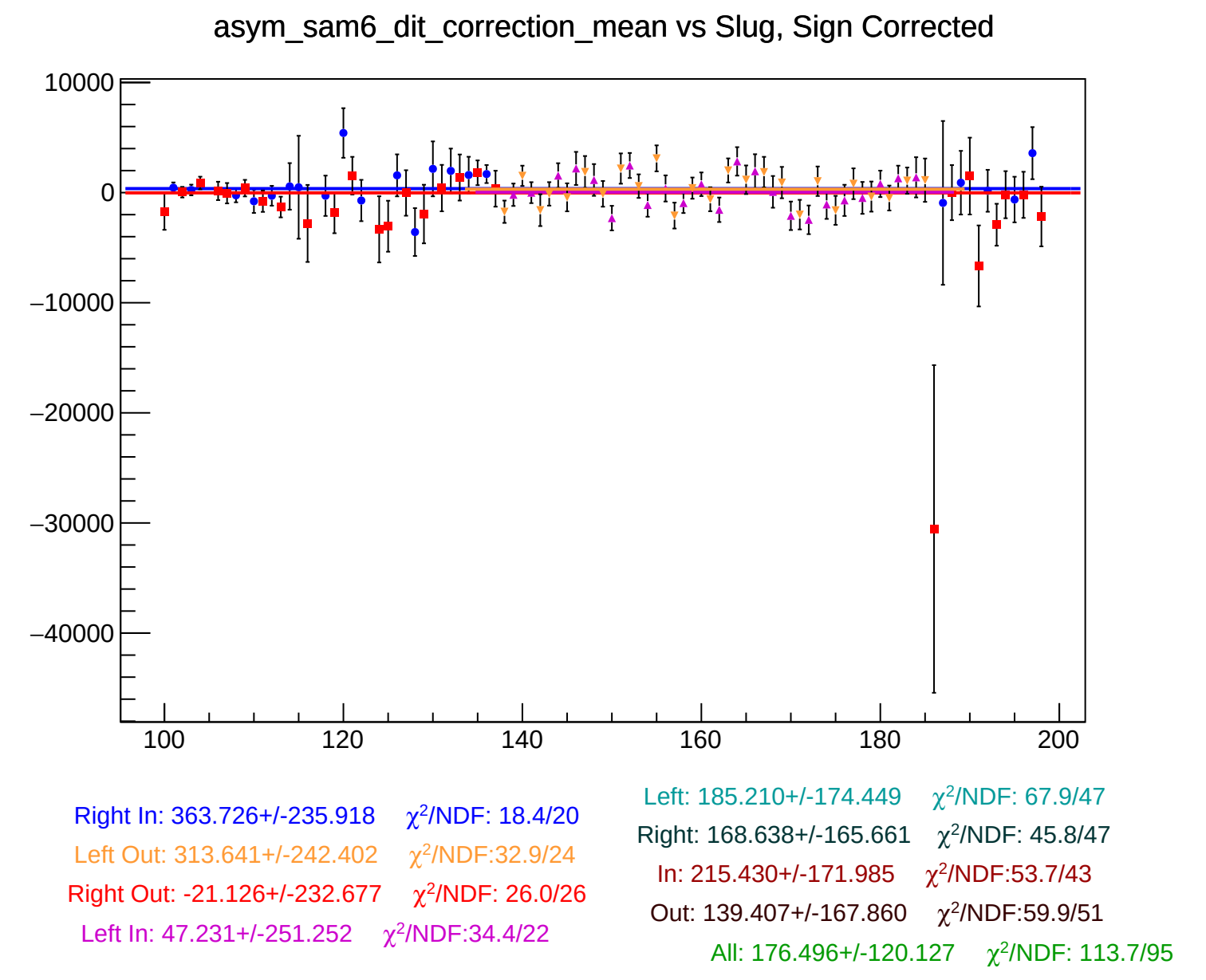
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

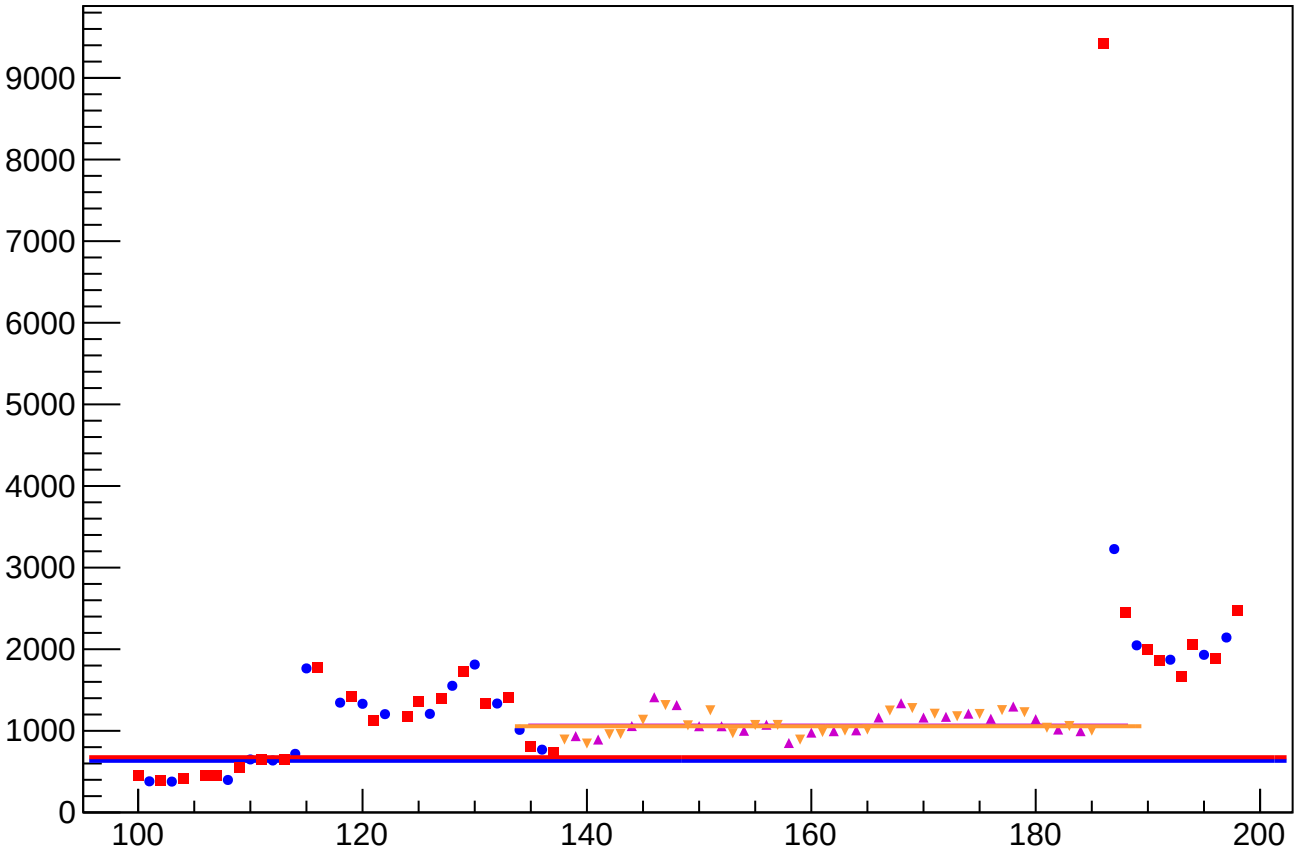
Right: 132.987+/-0.021 χ^2/NDF: 5318768.4/47

In: 154.269+/-0.021 χ^2/NDF:3054220.2/43

Out: 152.099+/-0.020 χ^2/NDF:4727962.0/51

All: 153.124+/-0.014 χ^2/NDF: 7787885.5/95


asym_sam6_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 363.726+/-235.918 χ²/NDF: 18.4/20
Left Out: 313.641+/-242.402 χ²/NDF:32.9/24
Right Out: -21.126+/-232.677 χ²/NDF: 26.0/26
Left In: 47.231+/-251.252 χ²/NDF:34.4/22
Left: 185.210+/-174.449 χ²/NDF: 67.9/47
Right: 168.638+/-165.661 χ²/NDF: 45.8/47
In: 215.430+/-171.985 χ²/NDF:53.7/43
Out: 139.407+/-167.860 χ²/NDF:59.9/51
All: 176.496+/-120.127 χ²/NDF: 113.7/95



Right In: 632.571+/-0.167 χ^2/NDF: 6753326.0/20

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 677.024+/-0.165 χ^2/NDF: 8505233.2/26

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

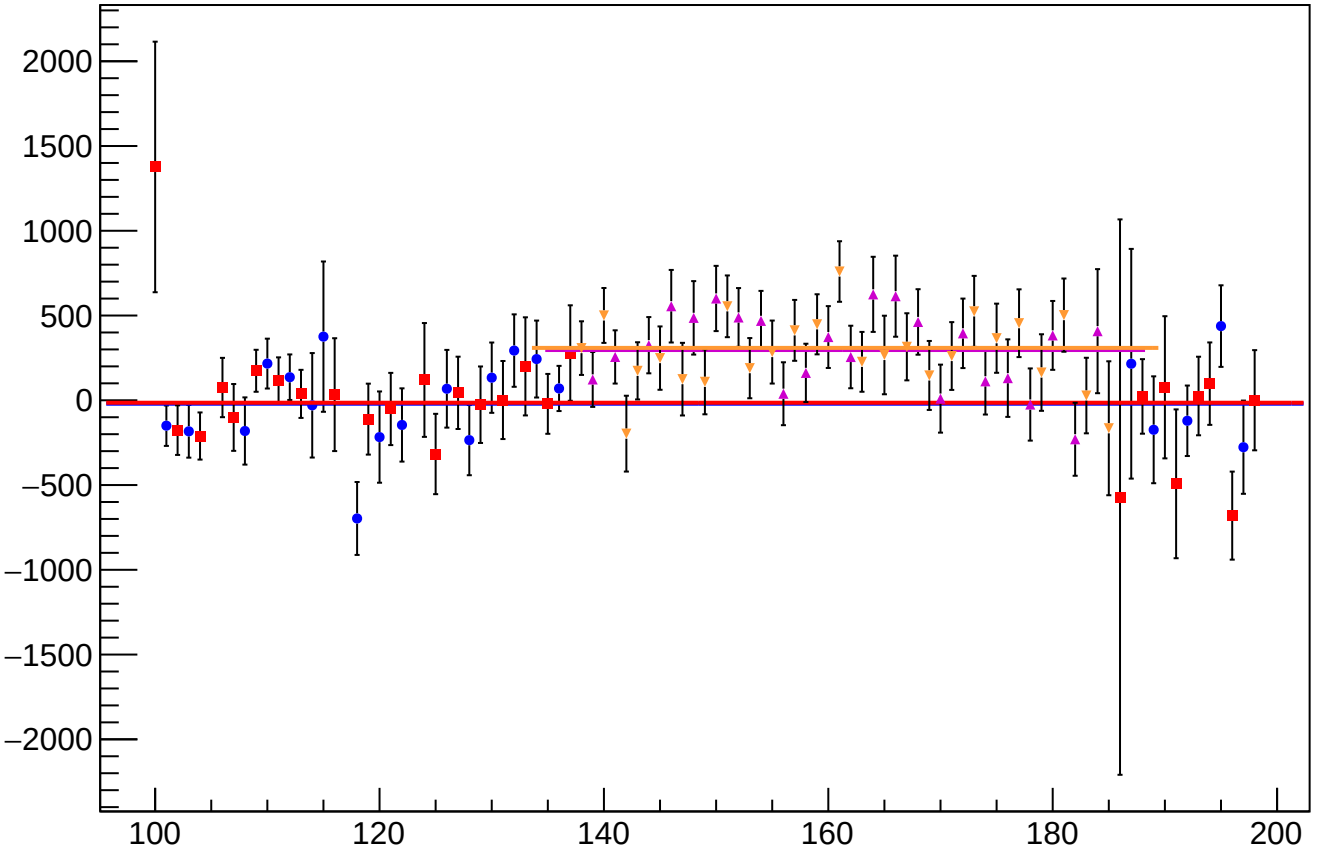
Right: 655.105+/-0.117 χ^2/NDF: 15294554.9/47

In: 835.043+/-0.122 χ^2/NDF:10508357.2/43

Out: 858.915+/-0.119 χ^2/NDF:11664659.9/51

All: 847.269+/-0.085 χ^2/NDF: 22192749.8/95

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -20.242+/-43.019 χ^2/NDF: 29.3/20

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: -14.460+/-40.138 χ^2/NDF: 22.6/26

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

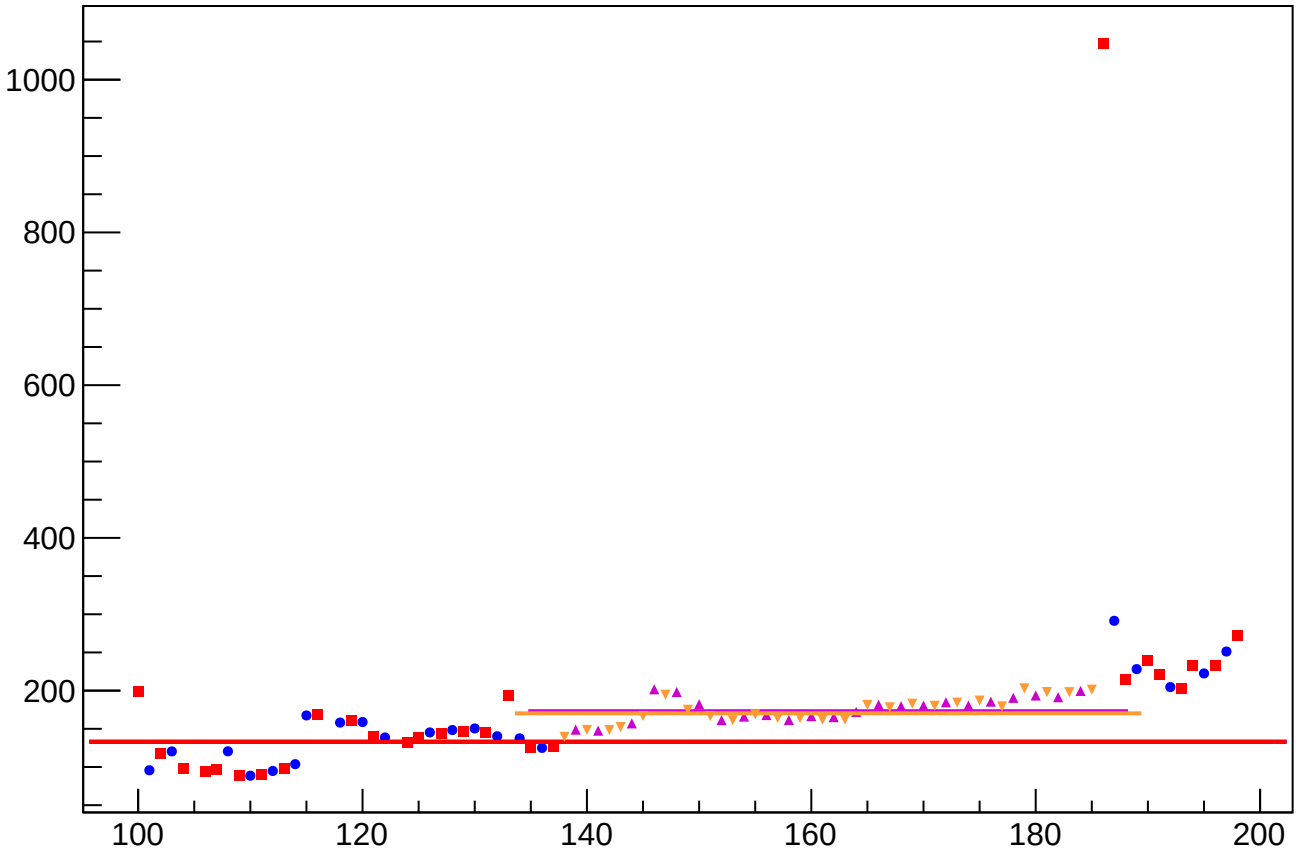
Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

Right: -17.151+/-29.348 χ^2/NDF: 51.9/47

In: 147.256+/-29.529 χ^2/NDF:85.8/43

Out: 152.351+/-27.934 χ^2/NDF:81.7/51

All: 149.945+/-20.293 χ^2/NDF: 167.5/95



Right In: 133.220+/-0.030 χ^2/NDF: 1855094.6/20

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 132.784+/-0.028 χ^2/NDF: 3463574.6/26

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

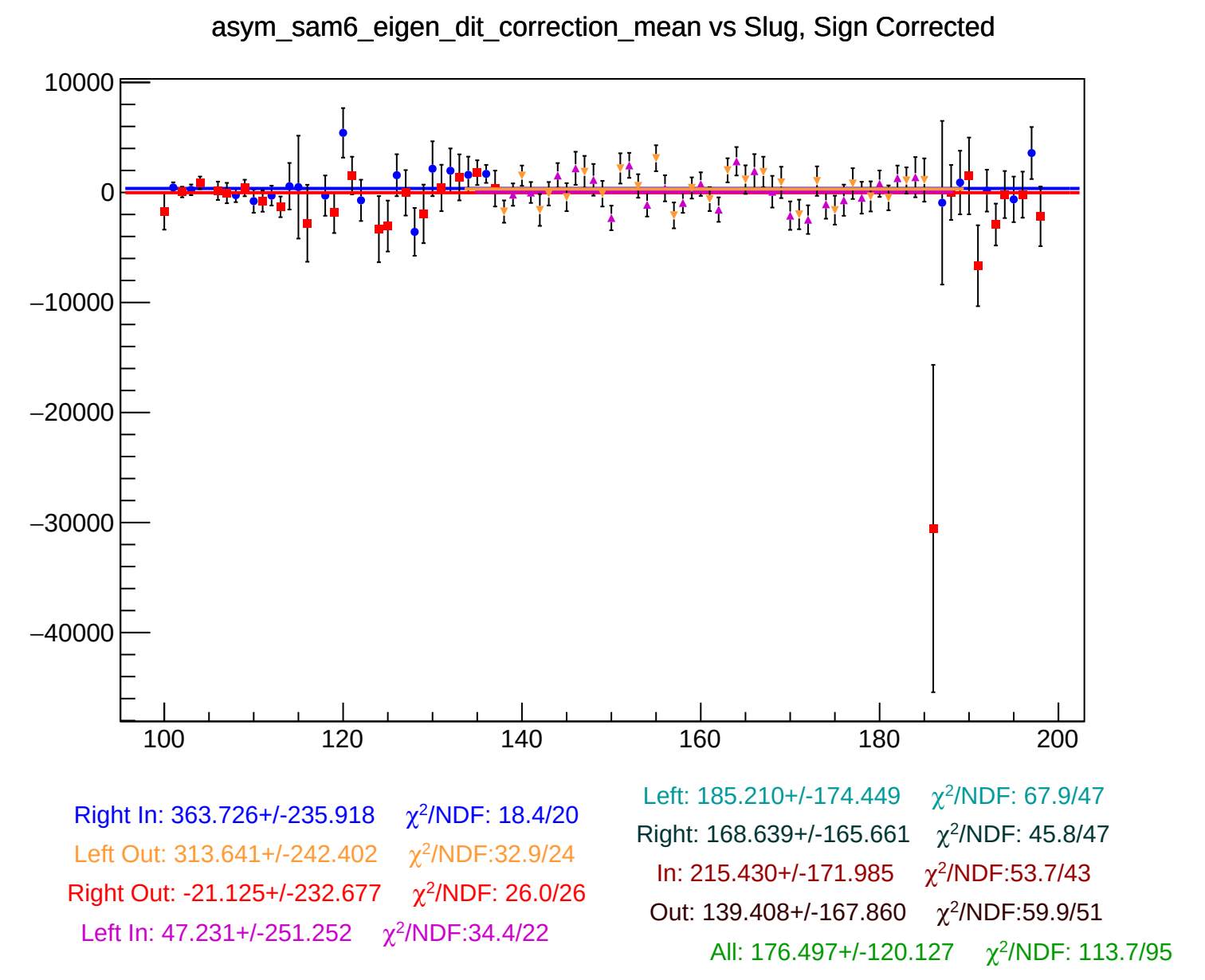
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

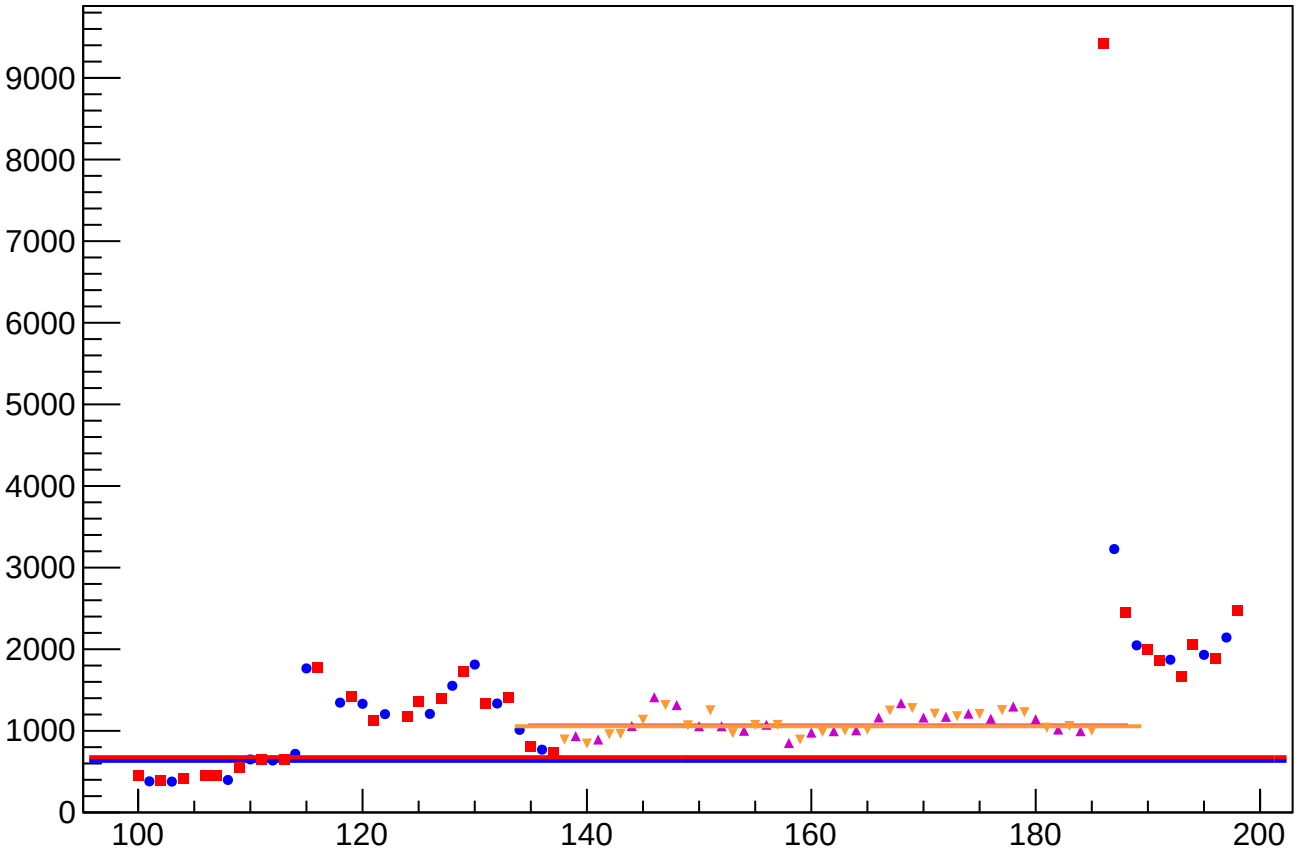
Right: 132.987+/-0.021 χ^2/NDF: 5318779.2/47

In: 154.269+/-0.021 χ^2/NDF:3054237.6/43

Out: 152.098+/-0.020 χ^2/NDF:4727967.7/51

All: 153.123+/-0.014 χ^2/NDF: 7787908.5/95


asym_sam6_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 363.726+/-235.918 χ²/NDF: 18.4/20
Left Out: 313.641+/-242.402 χ²/NDF:32.9/24
Right Out: -21.125+/-232.677 χ²/NDF: 26.0/26
Left In: 47.231+/-251.252 χ²/NDF:34.4/22
Left: 185.210+/-174.449 χ²/NDF: 67.9/47
Right: 168.639+/-165.661 χ²/NDF: 45.8/47
In: 215.430+/-171.985 χ²/NDF:53.7/43
Out: 139.408+/-167.860 χ²/NDF:59.9/51
All: 176.497+/-120.127 χ²/NDF: 113.7/95



Right In: 632.570+/-0.167 χ^2/NDF: 6753333.6/20

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 677.023+/-0.165 χ^2/NDF: 8505236.4/26

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

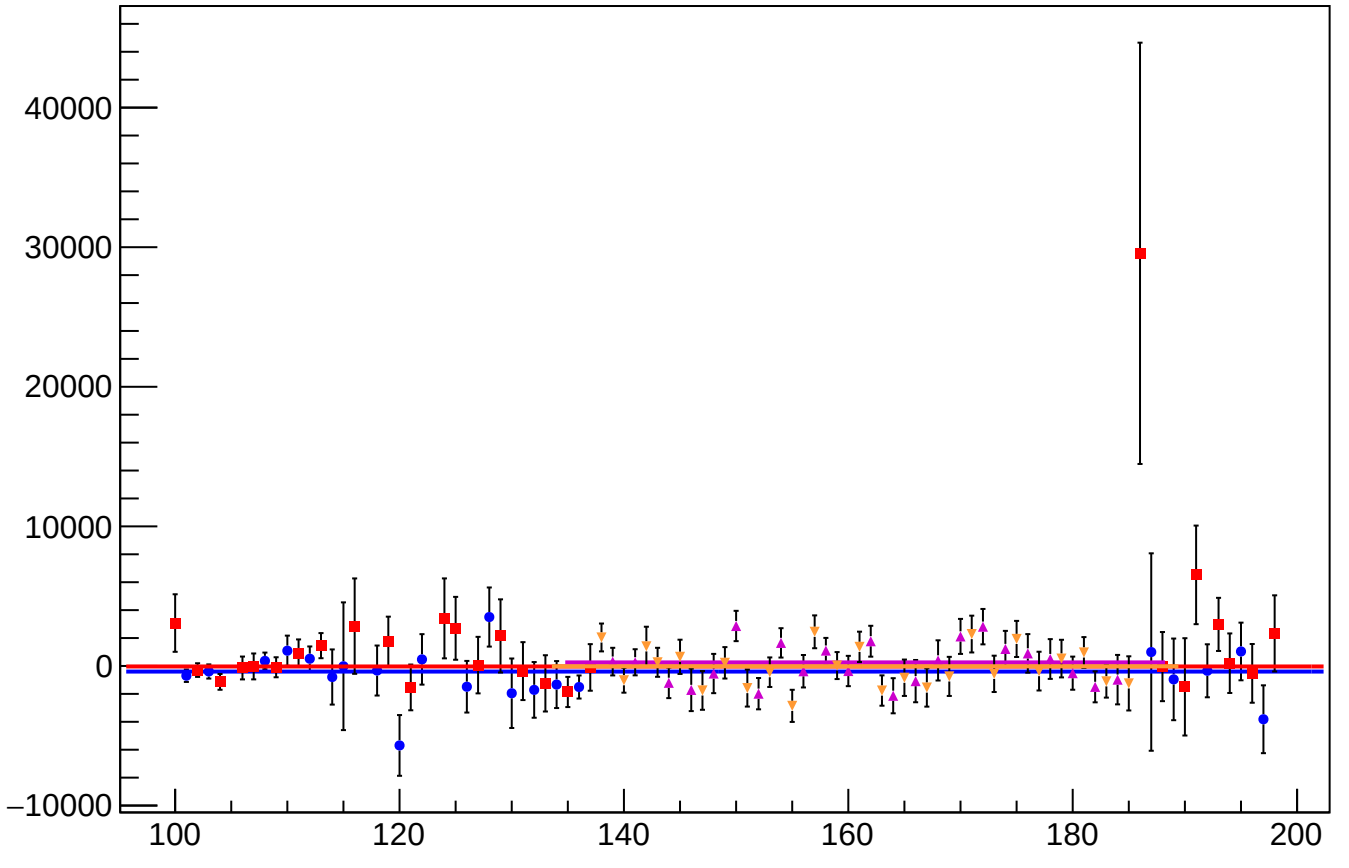
Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

Right: 655.104+/-0.117 χ^2/NDF: 15294566.2/47

In: 835.043+/-0.122 χ^2/NDF:10508383.5/43

Out: 858.914+/-0.119 χ^2/NDF:11664680.3/51

All: 847.268+/-0.085 χ^2/NDF: 22192796.8/95



Right In: -401.348+/-232.226 χ^2/NDF: 20.5/20

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: -36.378+/-230.605 χ^2/NDF: 30.3/26

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

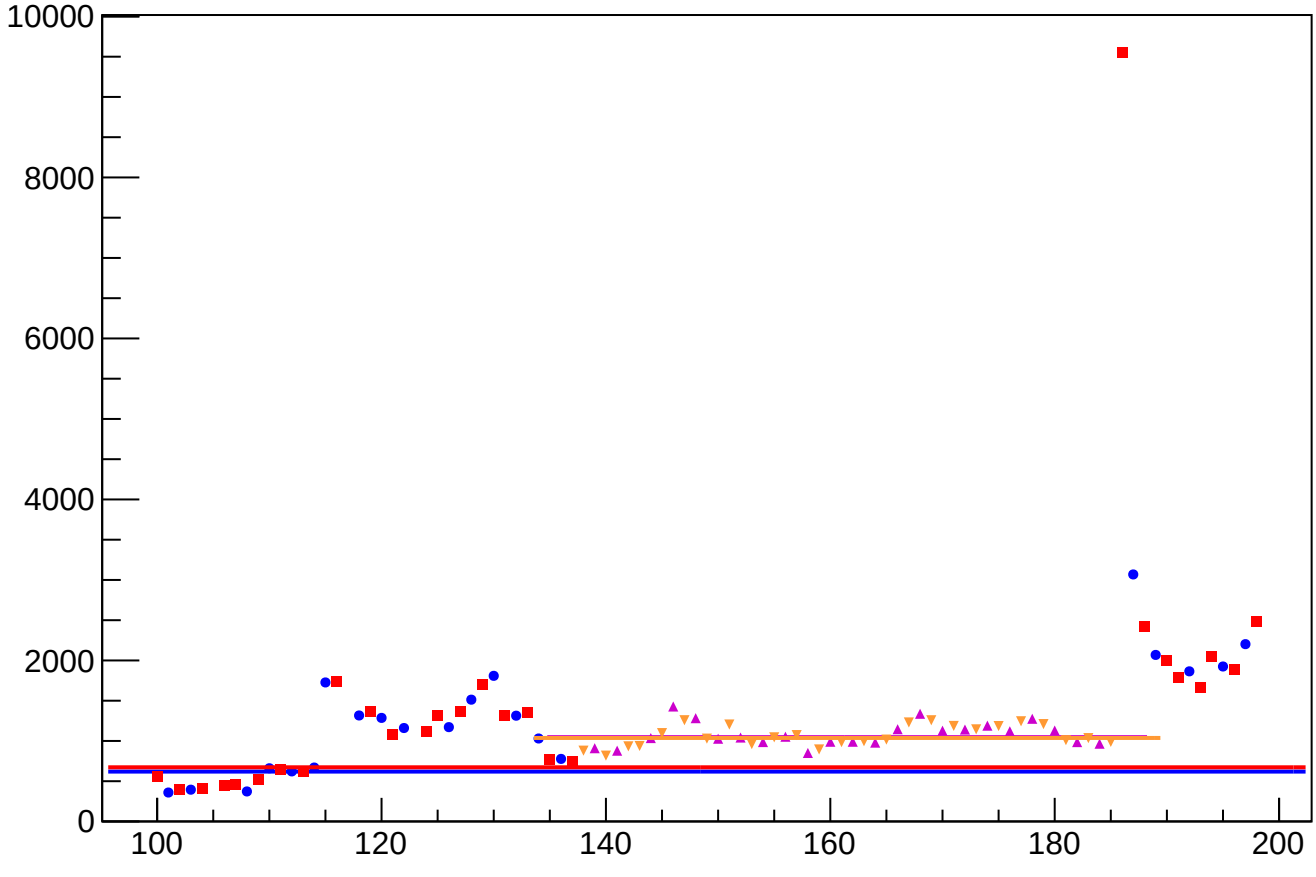
Right: -217.585+/-163.632 χ^2/NDF: 52.1/47

In: -93.470+/-169.256 χ^2/NDF:57.8/43

Out: -29.348+/-165.606 χ^2/NDF:64.8/51

All: -60.710+/-118.370 χ^2/NDF: 122.7/95

asym_sam6_rms vs Slug, Sign Corrected



Right In: 619.491+/-0.164 χ^2/NDF: 6867516.9/20

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 672.810+/-0.163 χ^2/NDF: 8387385.2/26

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

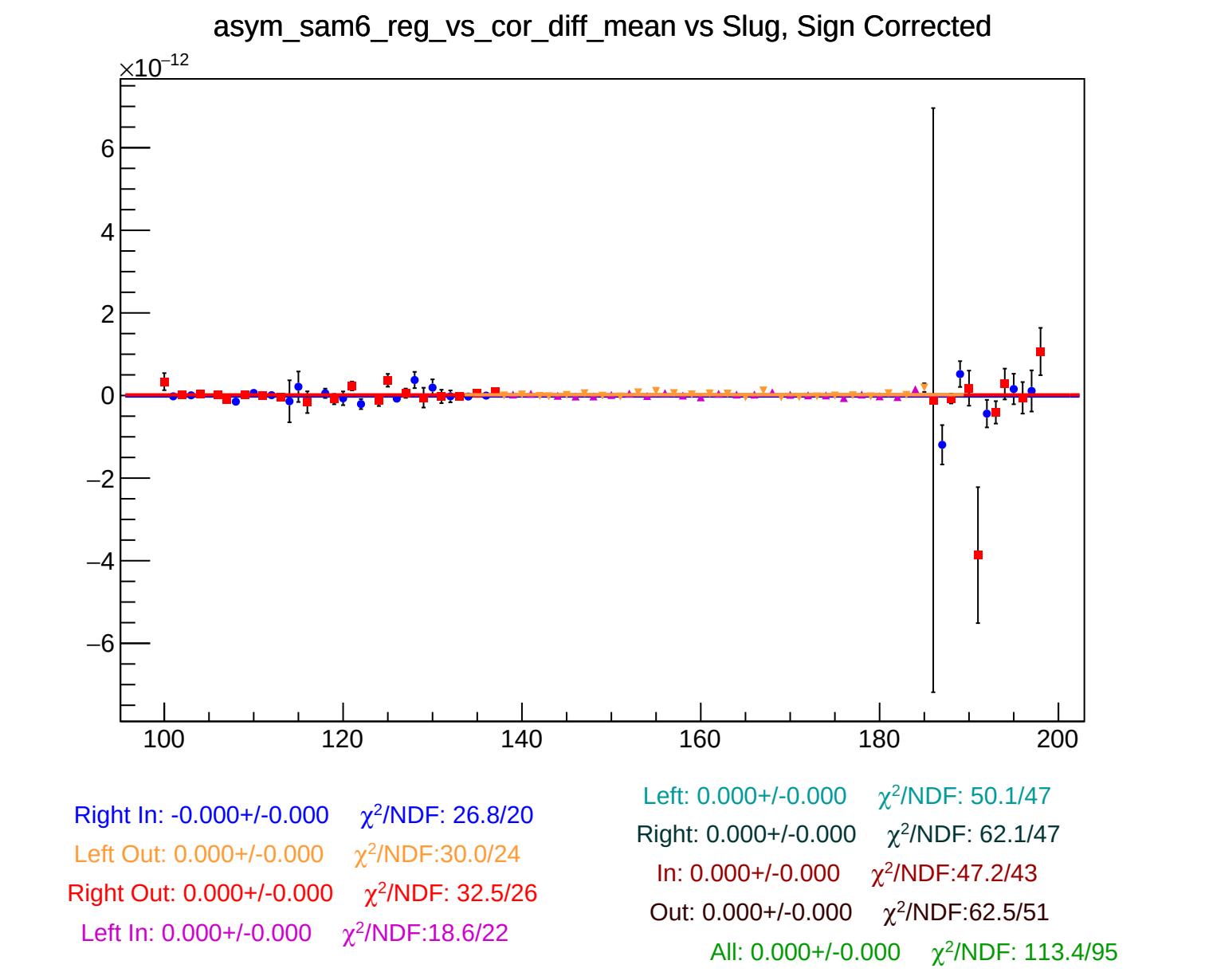
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

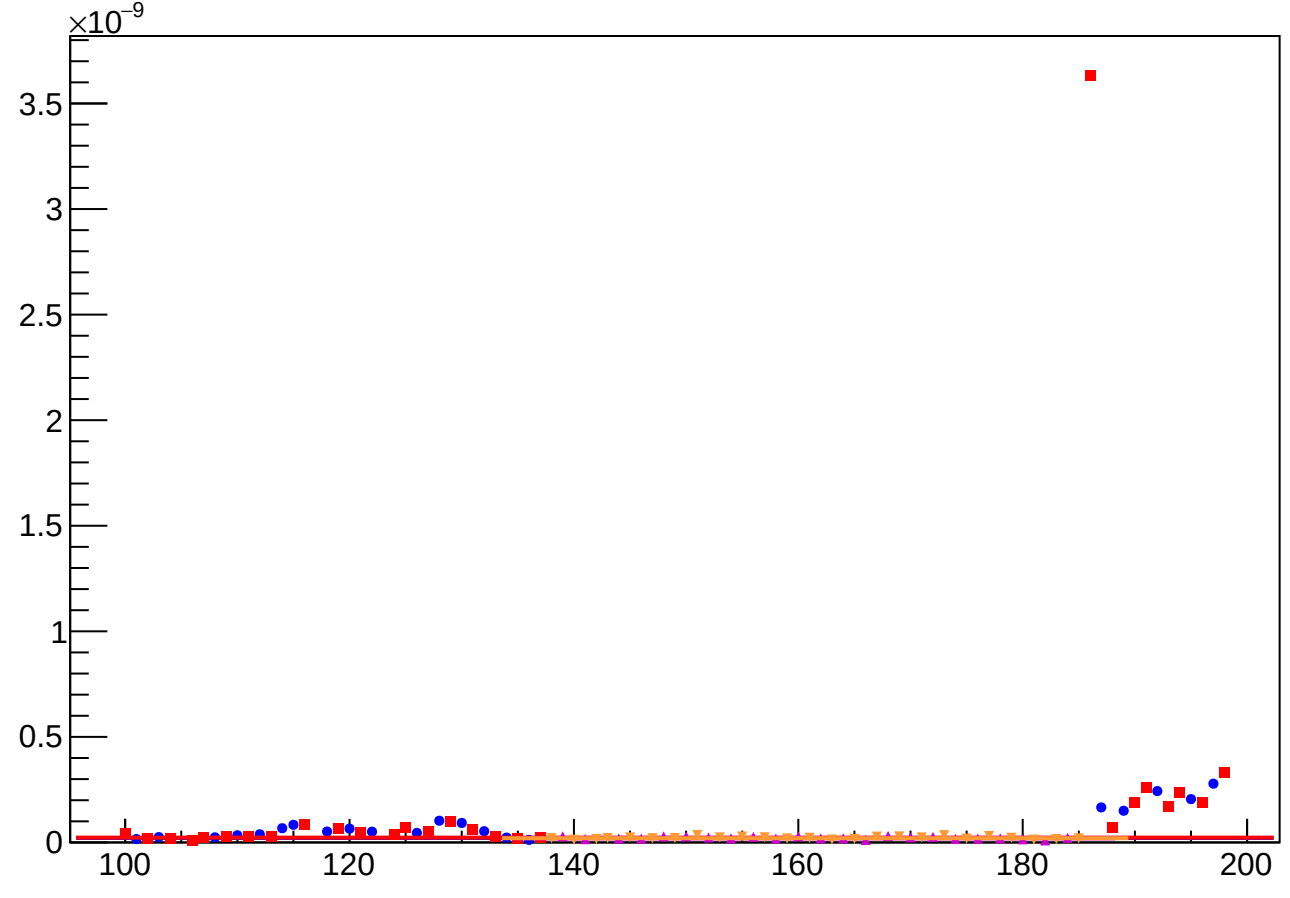
Right: 646.337+/-0.116 χ^2/NDF: 15307986.8/47

In: 820.199+/-0.120 χ^2/NDF:10667685.4/43

Out: 849.337+/-0.117 χ^2/NDF:11392930.6/51

All: 835.086+/-0.084 χ^2/NDF: 22090900.3/95


asym_sam6_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 26.8/20
Left Out: 0.000+/-0.000 χ²/NDF:30.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 32.5/26
Left In: 0.000+/-0.000 χ²/NDF:18.6/22
Left: 0.000+/-0.000 χ²/NDF: 50.1/47
Right: 0.000+/-0.000 χ²/NDF: 62.1/47
In: 0.000+/-0.000 χ²/NDF:47.2/43
Out: 0.000+/-0.000 χ²/NDF:62.5/51
All: 0.000+/-0.000 χ²/NDF: 113.4/95



Right In: 0.000+/-0.000 χ^2/NDF: 4456482.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5306988.2/26

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

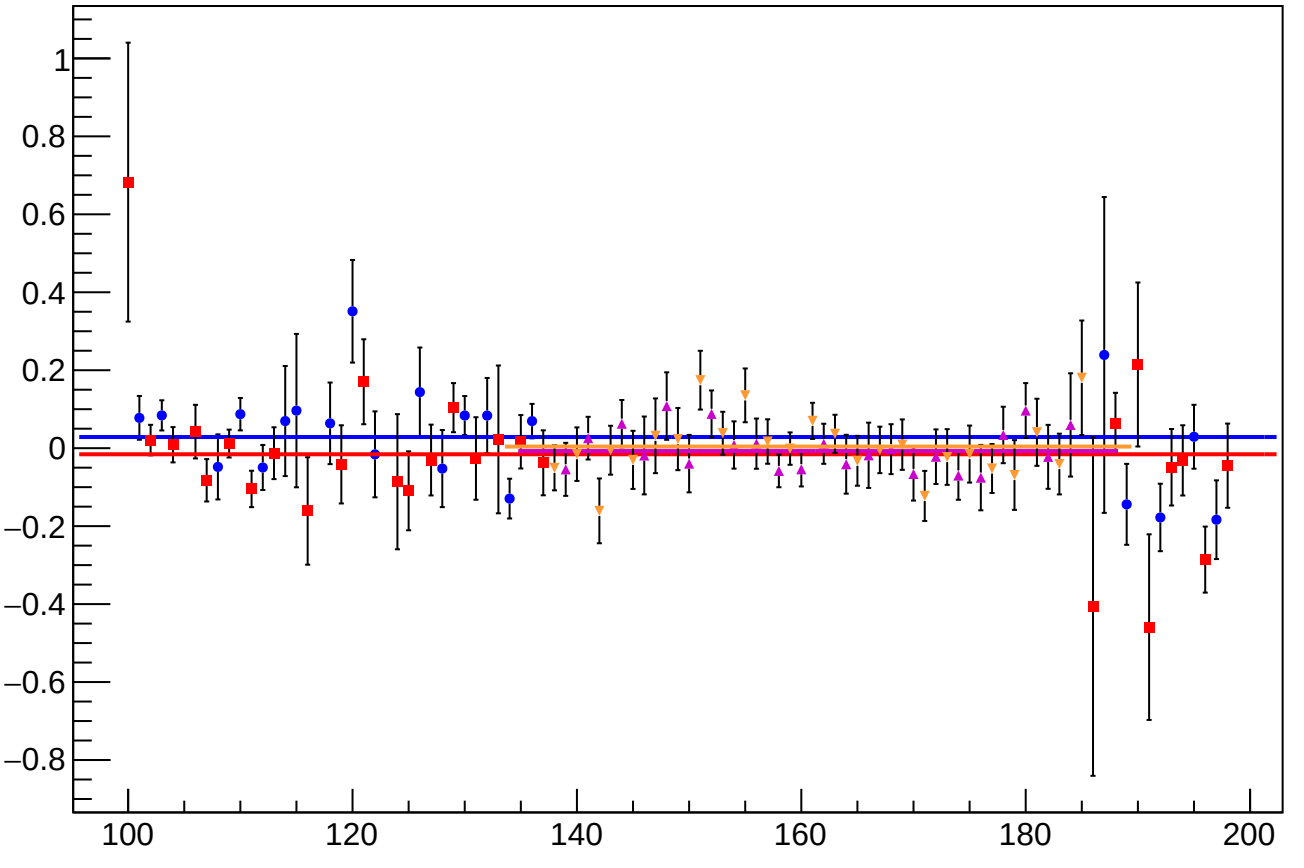
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 9774805.3/47

In: 0.000+/-0.000 χ^2/NDF:5544524.6/43

Out: 0.000+/-0.000 χ^2/NDF:6353439.3/51

All: 0.000+/-0.000 χ^2/NDF: 11921288.2/95



Right In: 0.029+/-0.015 χ^2/NDF: 40.8/20

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.016+/-0.014 χ^2/NDF: 37.3/26

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

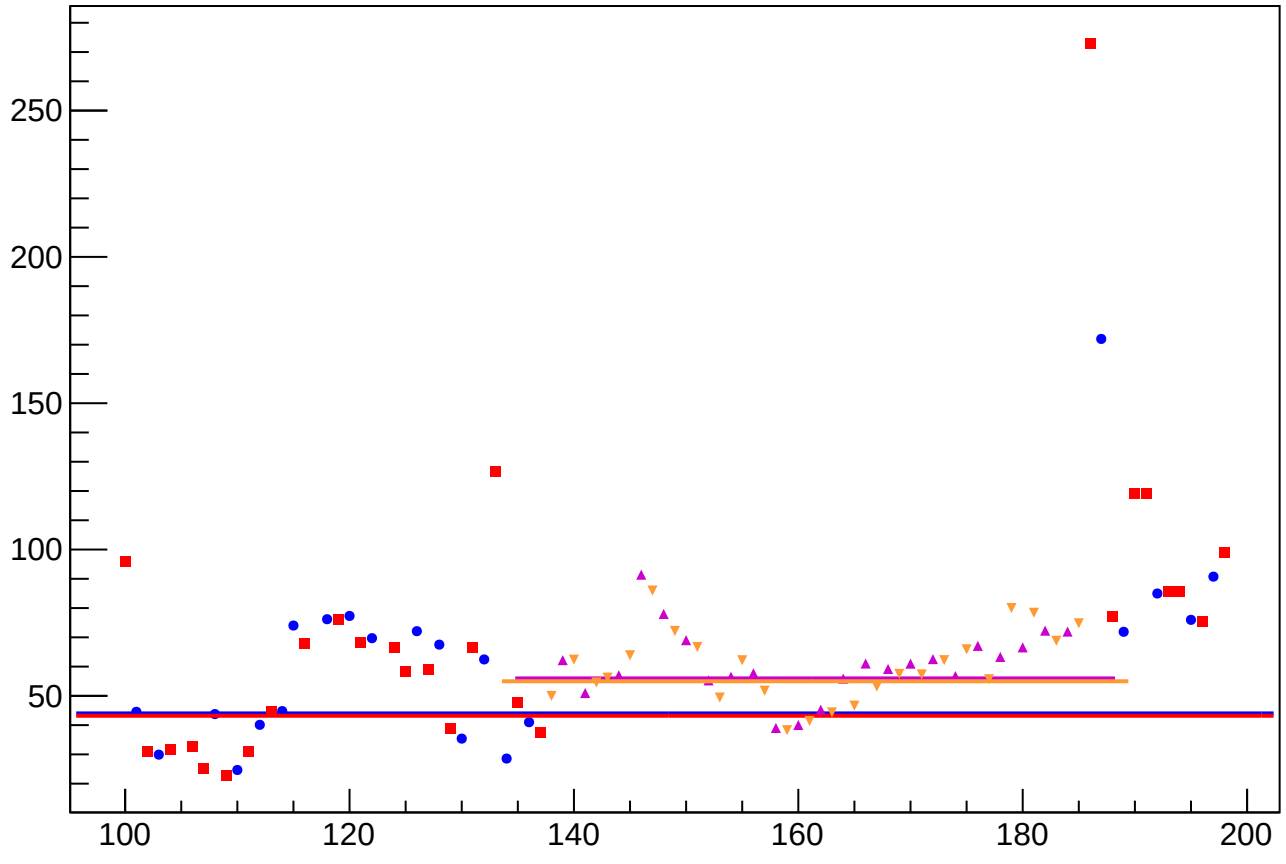
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.005+/-0.010 χ^2/NDF: 82.7/47

In: 0.009+/-0.010 χ^2/NDF:59.0/43

Out: -0.005+/-0.010 χ^2/NDF:63.2/51

All: 0.001+/-0.007 χ^2/NDF: 123.1/95



Right In: 44.001+/-0.011 χ^2/NDF: 3261302.9/20

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 43.205+/-0.010 χ^2/NDF: 5491887.2/26

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

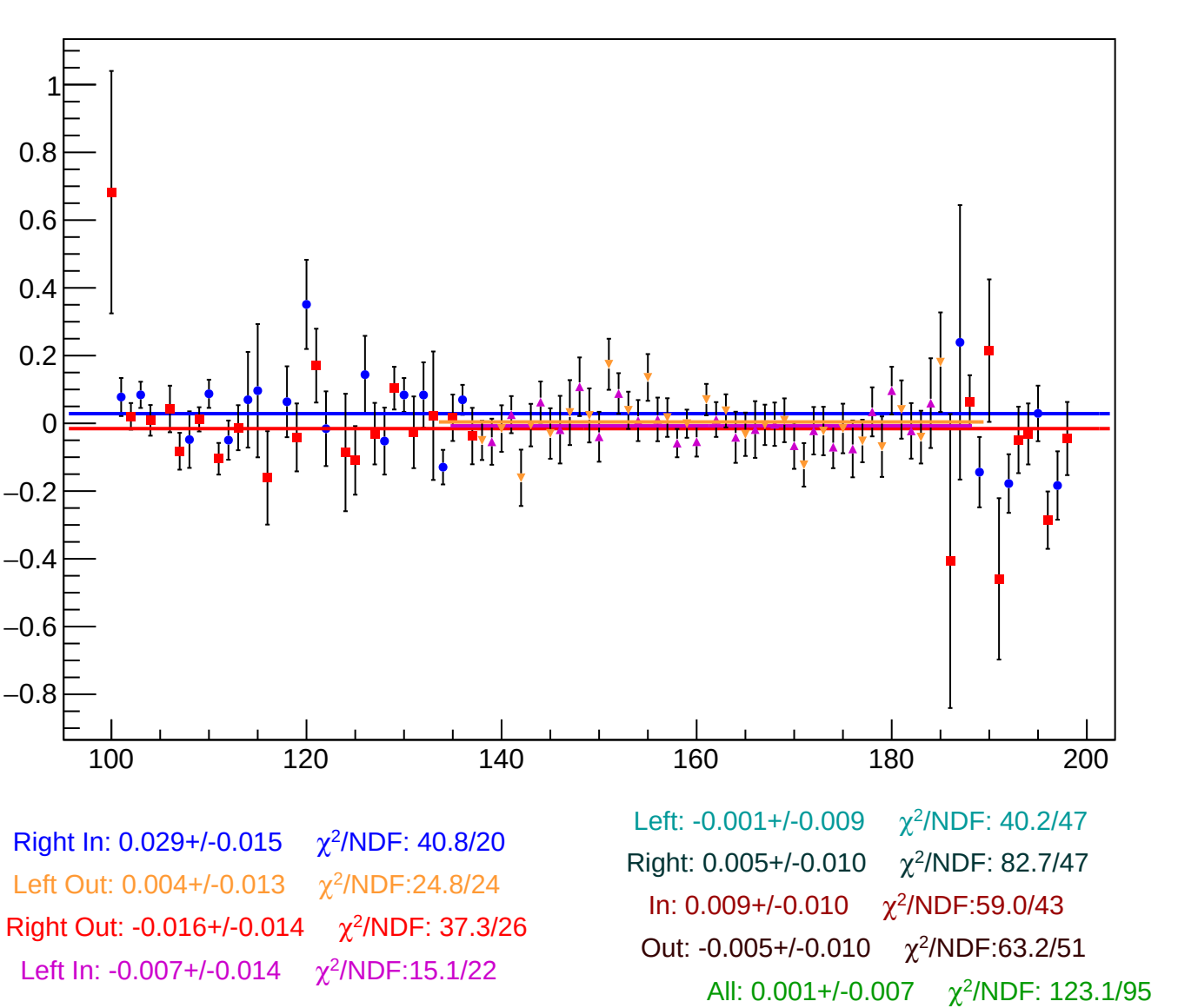
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

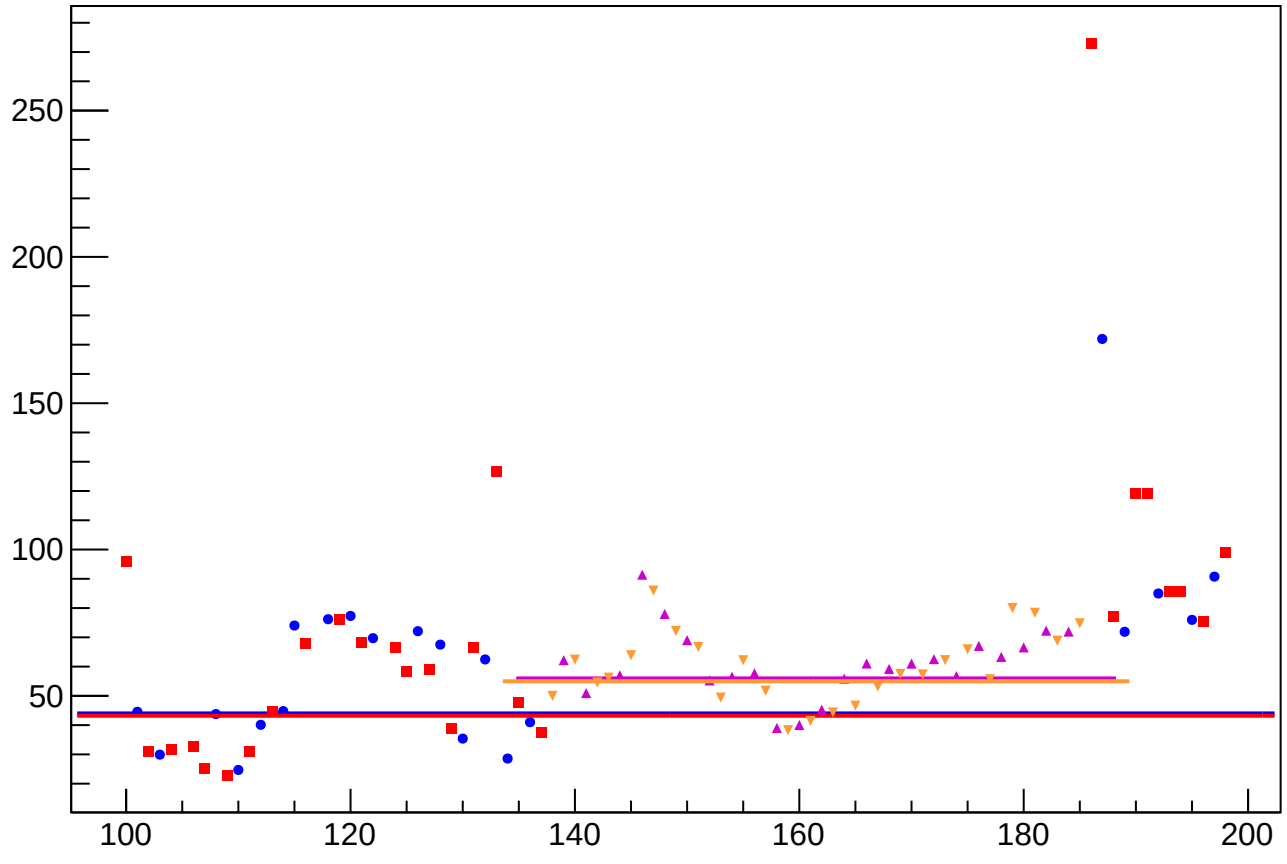
Right: 43.576+/-0.007 χ^2/NDF: 8756156.0/47

In: 50.645+/-0.007 χ^2/NDF:5362348.2/43

Out: 49.591+/-0.007 χ^2/NDF:7816190.0/51

All: 50.089+/-0.005 χ^2/NDF: 13190068.2/95


asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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: 0.029+/-0.015 χ²/NDF: 40.8/20
Left Out: 0.004+/-0.013 χ²/NDF:24.8/24
Right Out: -0.016+/-0.014 χ²/NDF: 37.3/26
Left In: -0.007+/-0.014 χ²/NDF:15.1/22
Left: -0.001+/-0.009 χ²/NDF: 40.2/47
Right: 0.005+/-0.010 χ²/NDF: 82.7/47
In: 0.009+/-0.010 χ²/NDF:59.0/43
Out: -0.005+/-0.010 χ²/NDF:63.2/51
All: 0.001+/-0.007 χ²/NDF: 123.1/95



Right In: 44.001+/-0.011 χ^2/NDF: 3261302.9/20

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 43.205+/-0.010 χ^2/NDF: 5491887.2/26

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

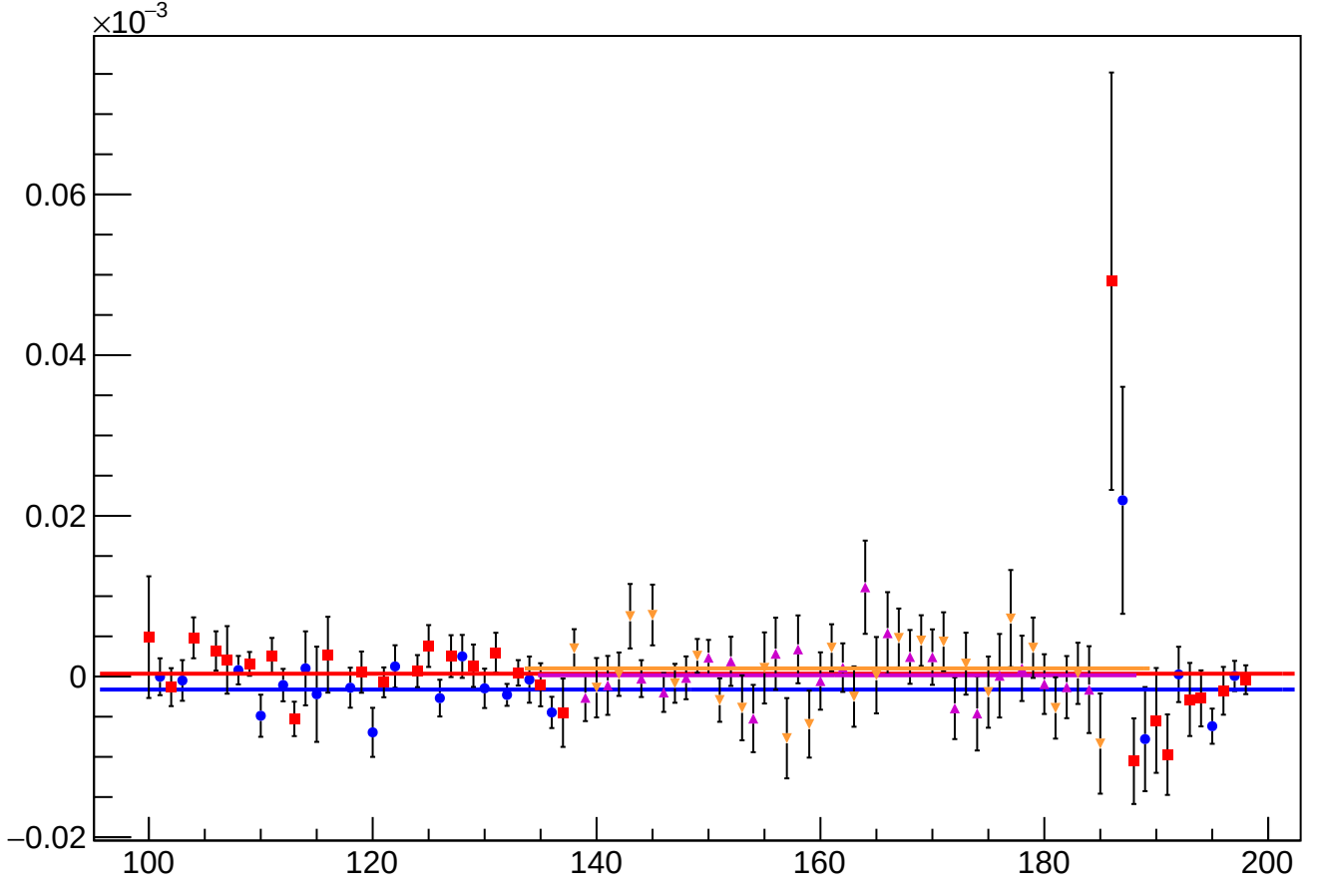
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 43.576+/-0.007 χ^2/NDF: 8756156.0/47

In: 50.645+/-0.007 χ^2/NDF:5362348.2/43

Out: 49.591+/-0.007 χ^2/NDF:7816190.0/51

All: 50.089+/-0.005 χ^2/NDF: 13190068.2/95



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.5/26

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

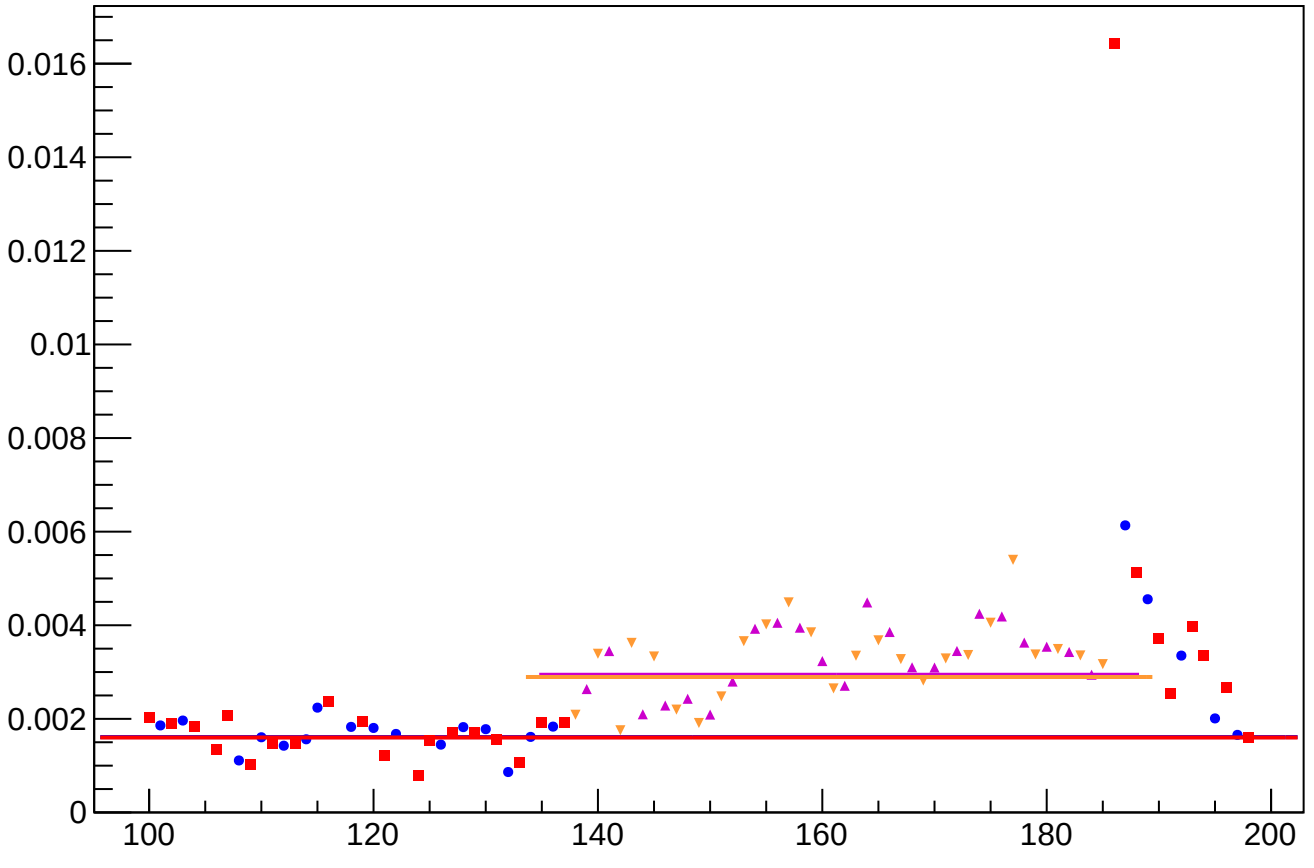
Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

Right: -0.000+/-0.000 χ^2/NDF: 64.9/47

In: -0.000+/-0.000 χ^2/NDF:41.1/43

Out: 0.000+/-0.000 χ^2/NDF:63.7/51

All: -0.000+/-0.000 χ^2/NDF: 111.9/95



Right In: 0.002+/-0.000 χ^2/NDF: 2140942.1/20

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4334635.3/26

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

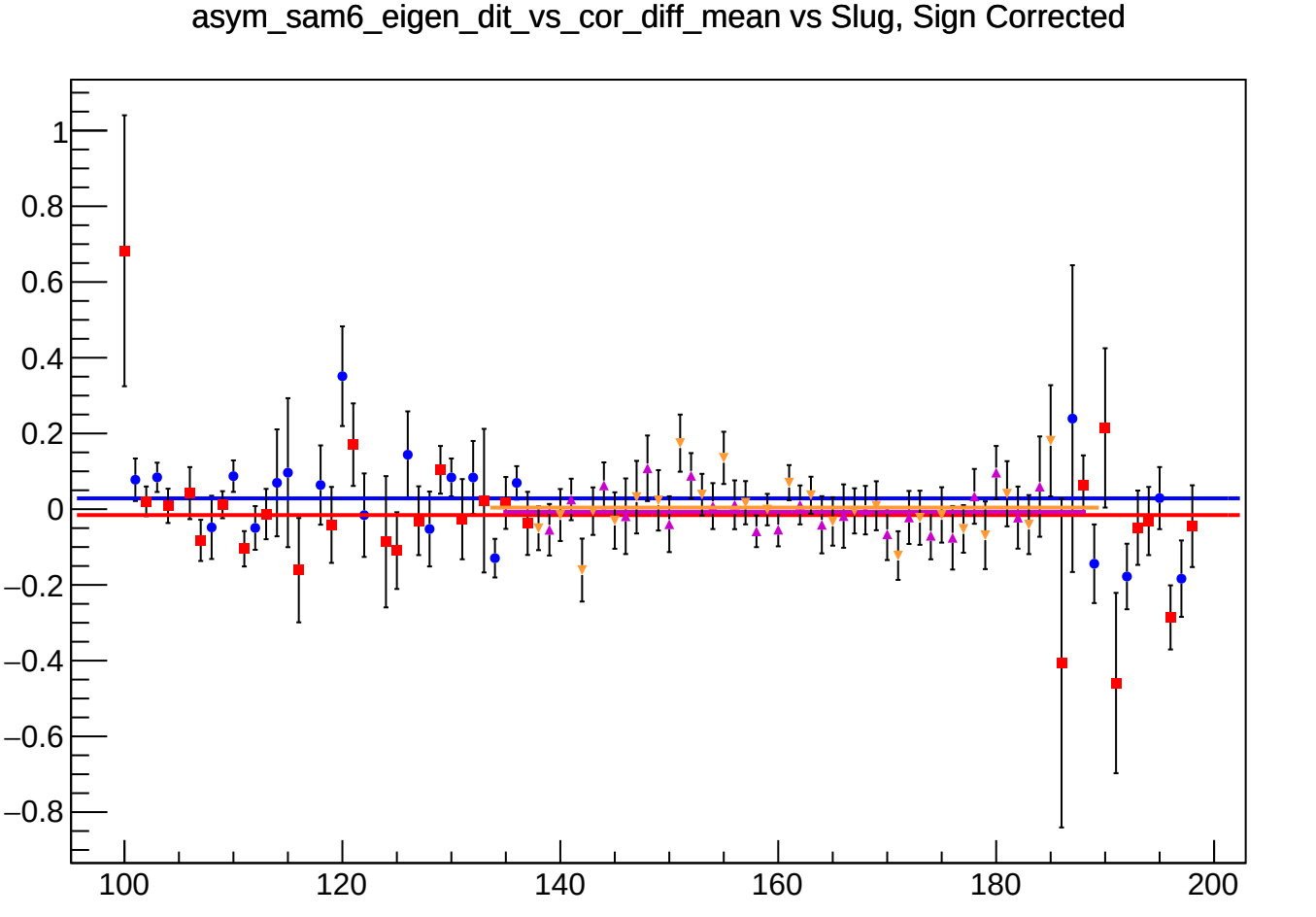
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.002+/-0.000 χ^2/NDF: 6475887.2/47

In: 0.002+/-0.000 χ^2/NDF:8551886.6/43

Out: 0.002+/-0.000 χ^2/NDF:11632030.3/51

All: 0.002+/-0.000 χ^2/NDF: 20193003.4/95



Right In: 0.029+/-0.015 χ^2/NDF: 40.8/20

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.016+/-0.014 χ^2/NDF: 37.3/26

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

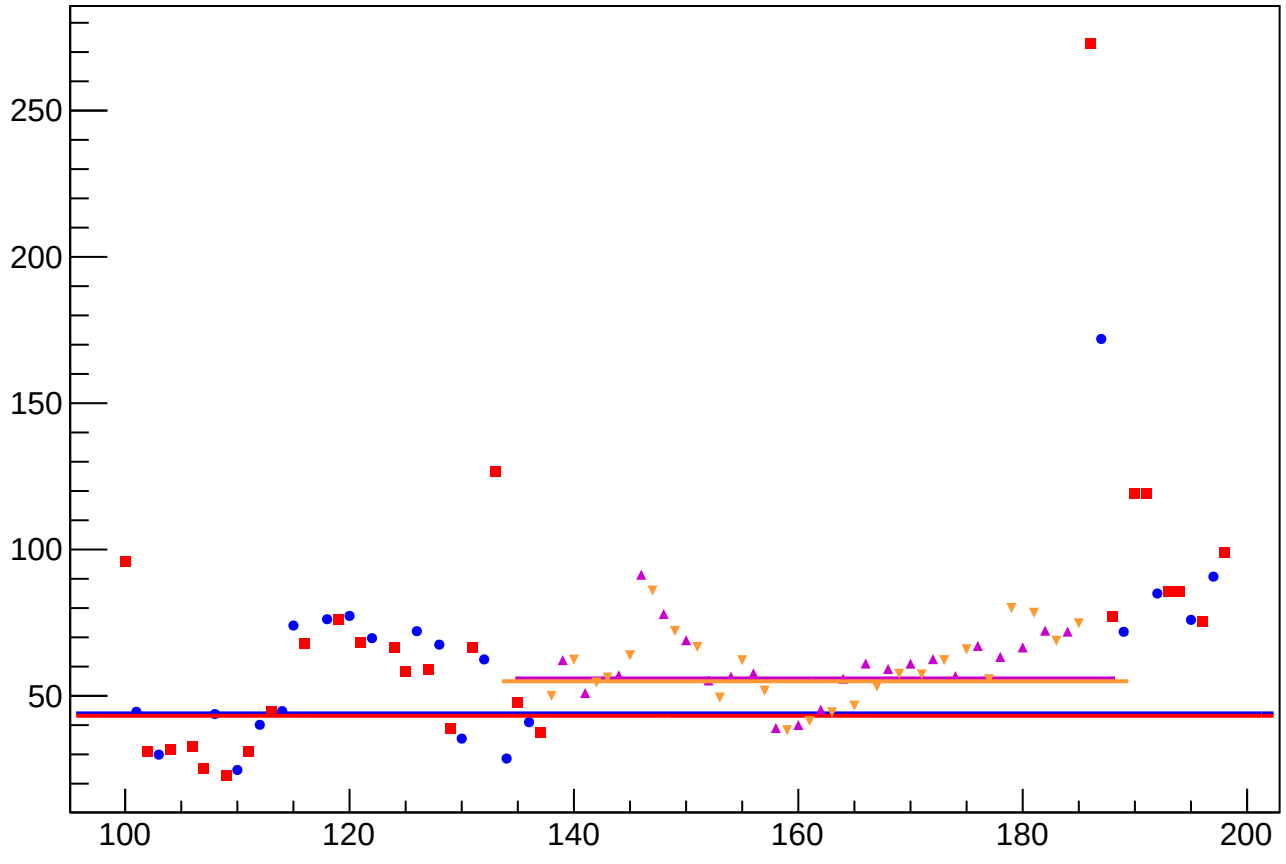
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.005+/-0.010 χ^2/NDF: 82.7/47

In: 0.009+/-0.010 χ^2/NDF:59.0/43

Out: -0.005+/-0.010 χ^2/NDF:63.2/51

All: 0.001+/-0.007 χ^2/NDF: 123.1/95



Right In: 44.001+/-0.011 χ^2/NDF: 3261363.0/20

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 43.205+/-0.010 χ^2/NDF: 5491870.5/26

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

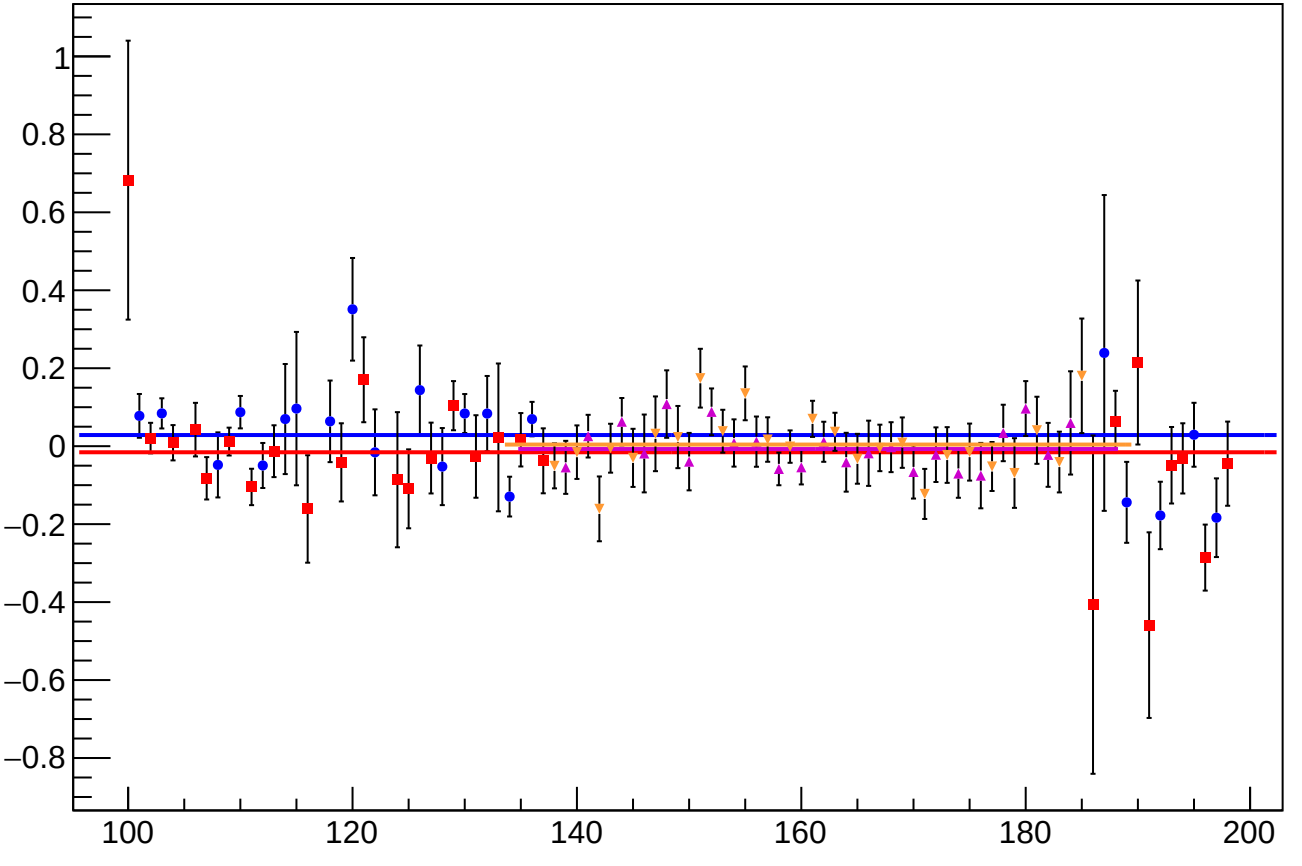
Right: 43.575+/-0.007 χ^2/NDF: 8756197.5/47

In: 50.644+/-0.007 χ^2/NDF:5362526.6/43

Out: 49.591+/-0.007 χ^2/NDF:7816224.4/51

All: 50.088+/-0.005 χ^2/NDF: 13190276.2/95

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.015 χ^2/NDF: 40.8/20

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.016+/-0.014 χ^2/NDF: 37.3/26

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

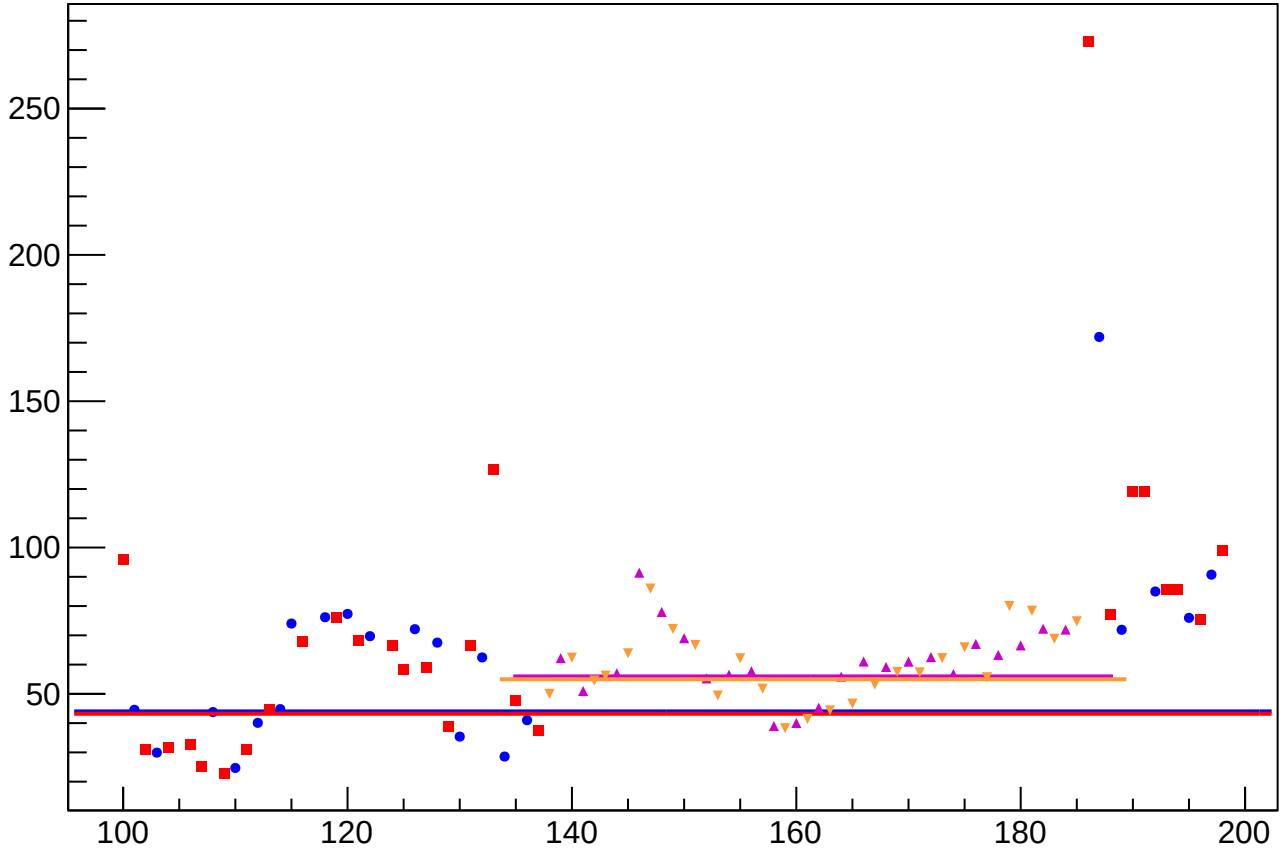
Right: 0.005+/-0.010 χ^2/NDF: 82.7/47

In: 0.009+/-0.010 χ^2/NDF:59.0/43

Out: -0.005+/-0.010 χ^2/NDF:63.2/51

All: 0.001+/-0.007 χ^2/NDF: 123.1/95

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.001+/-0.011 χ^2/NDF: 3261363.0/20

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 43.205+/-0.010 χ^2/NDF: 5491870.5/26

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

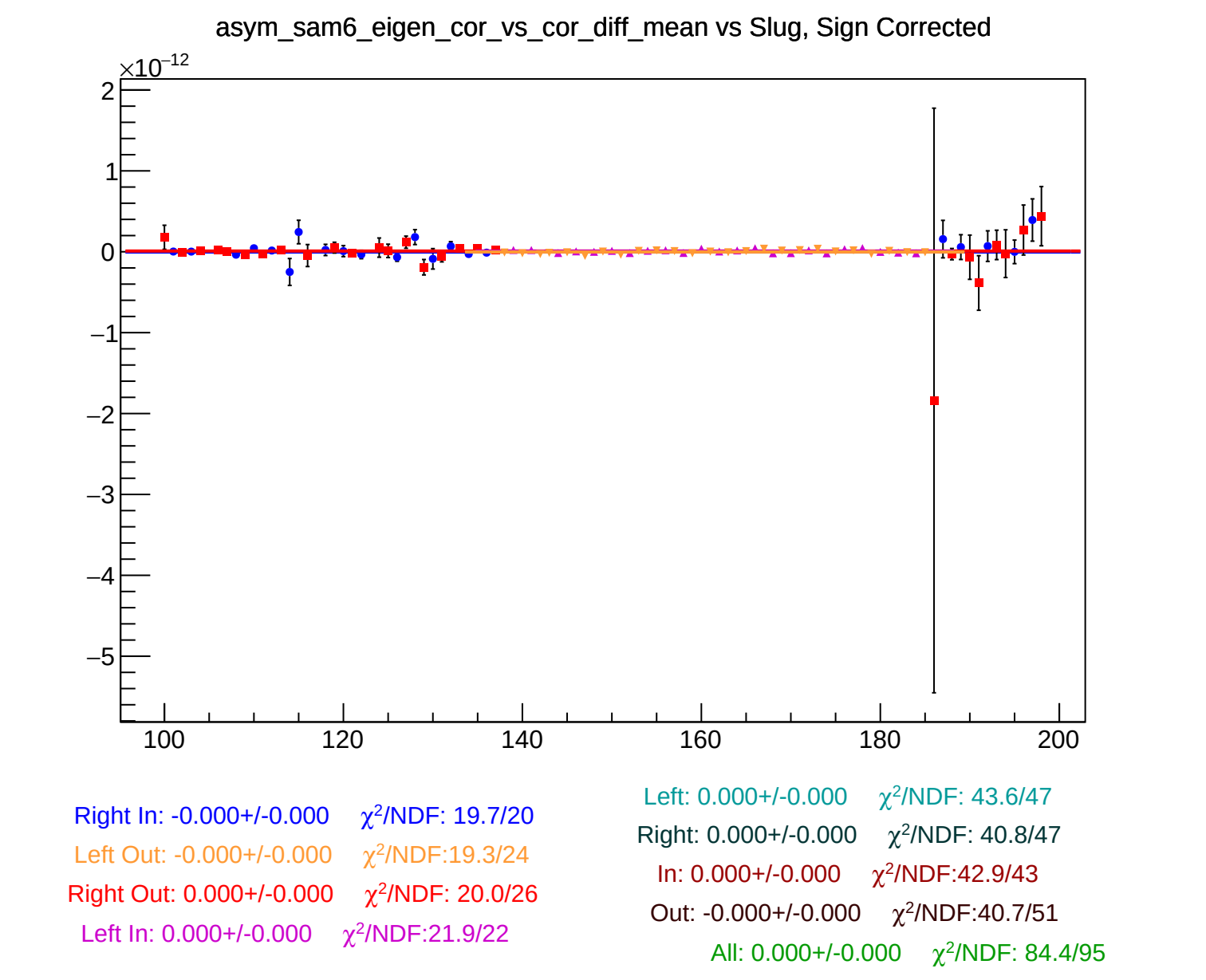
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

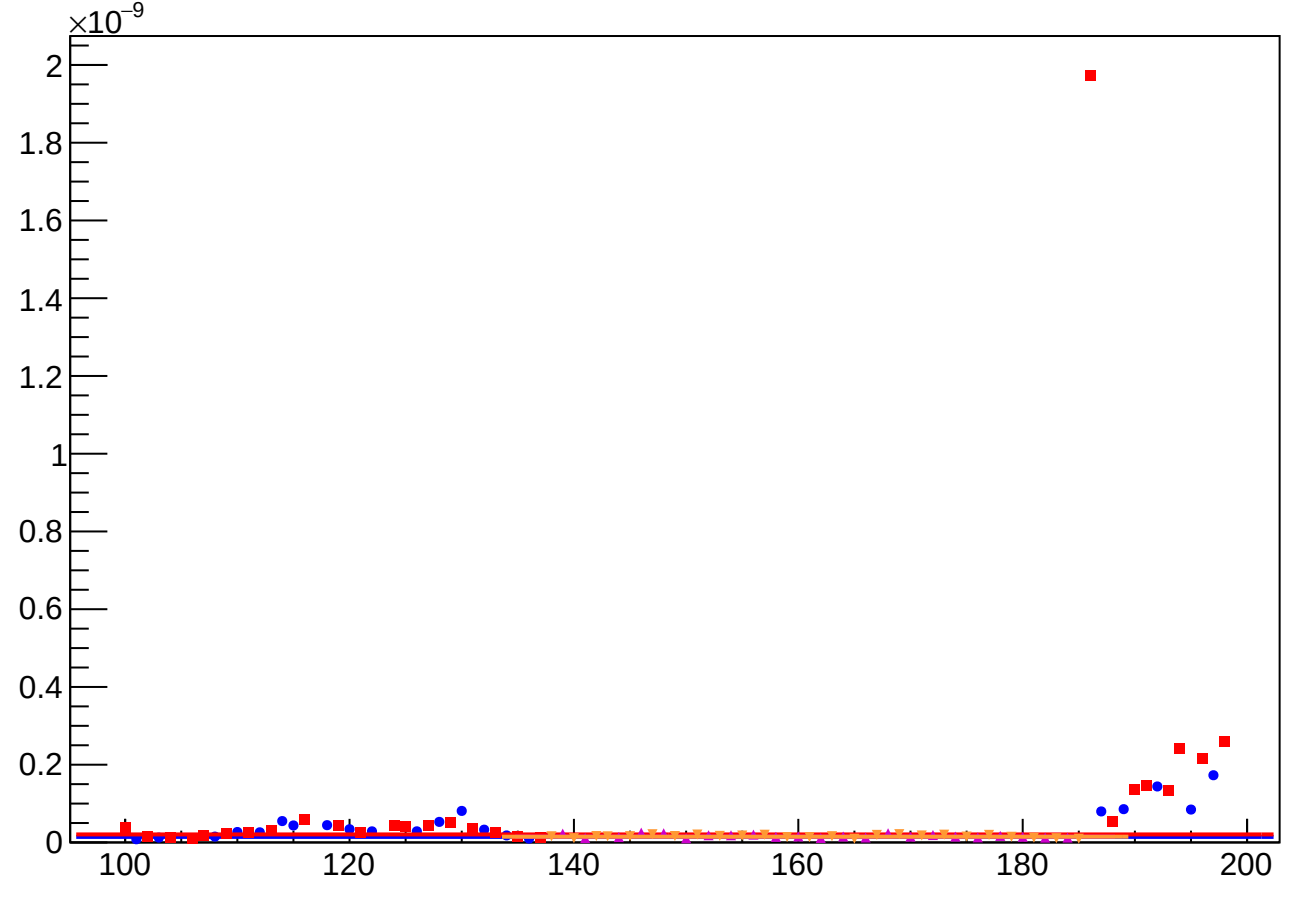
Right: 43.575+/-0.007 χ^2/NDF: 8756197.5/47

In: 50.644+/-0.007 χ^2/NDF:5362526.6/43

Out: 49.591+/-0.007 χ^2/NDF:7816224.4/51

All: 50.088+/-0.005 χ^2/NDF: 13190276.2/95


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: 19.7/20
Left Out: -0.000+/-0.000 χ²/NDF:19.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 20.0/26
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: 40.8/47
In: 0.000+/-0.000 χ²/NDF:42.9/43
Out: -0.000+/-0.000 χ²/NDF:40.7/51
All: 0.000+/-0.000 χ²/NDF: 84.4/95



Right In: 0.000+/-0.000 χ^2/NDF: 5945481.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7356574.7/26

Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

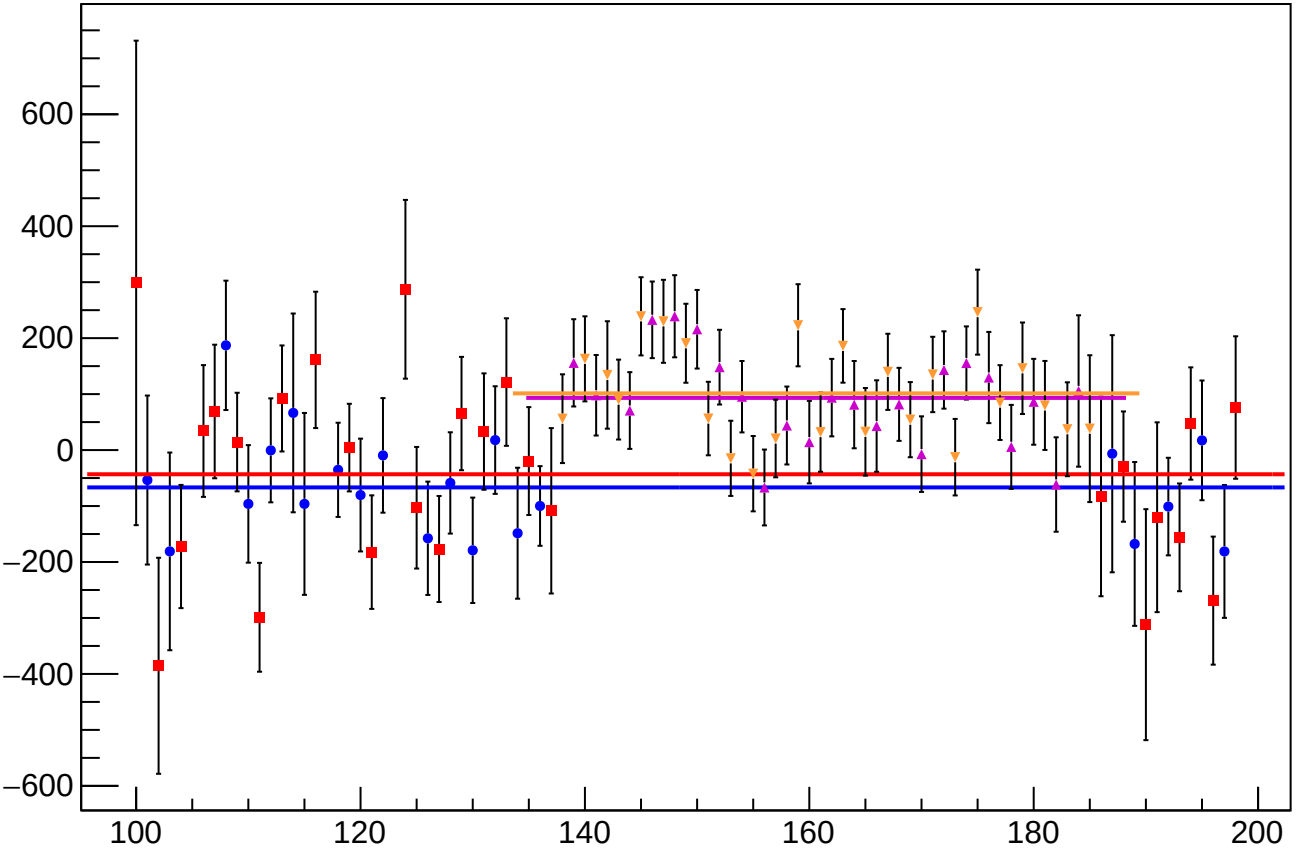
Right: 0.000+/-0.000 χ^2/NDF: 13910346.3/47

In: 0.000+/-0.000 χ^2/NDF:7384522.2/43

Out: 0.000+/-0.000 χ^2/NDF:9463471.4/51

All: 0.000+/-0.000 χ^2/NDF: 16922611.9/95

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -66.721+/-23.362 χ^2/NDF: 12.9/20

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -43.227+/-21.695 χ^2/NDF: 40.4/26

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

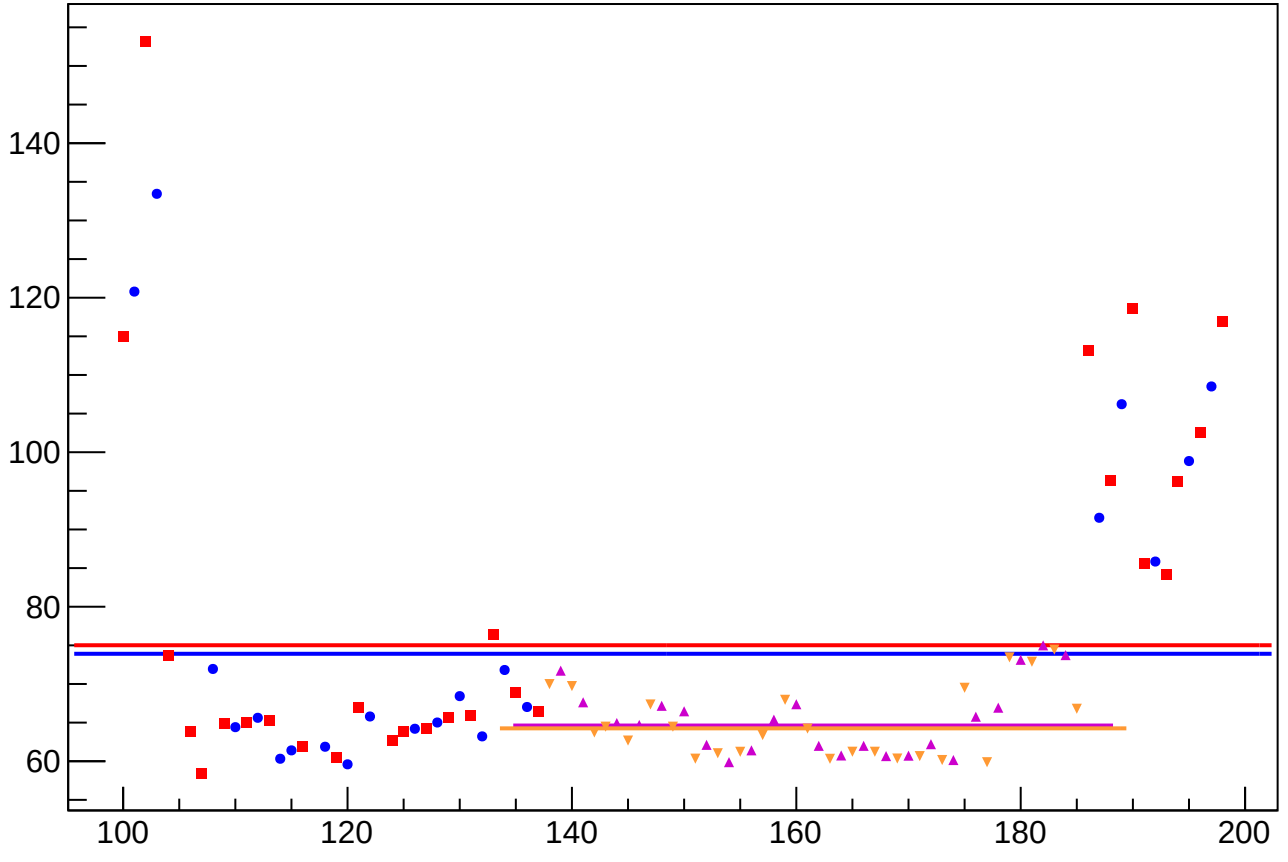
Right: -54.106+/-15.897 χ^2/NDF: 53.9/47

In: 45.942+/-12.703 χ^2/NDF:74.7/43

Out: 56.088+/-12.136 χ^2/NDF:104.8/51

All: 51.246+/-8.775 χ^2/NDF: 179.9/95

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.908+/-0.017 χ^2/NDF: 1086563.6/20

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 75.015+/-0.015 χ^2/NDF: 1404482.9/26

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

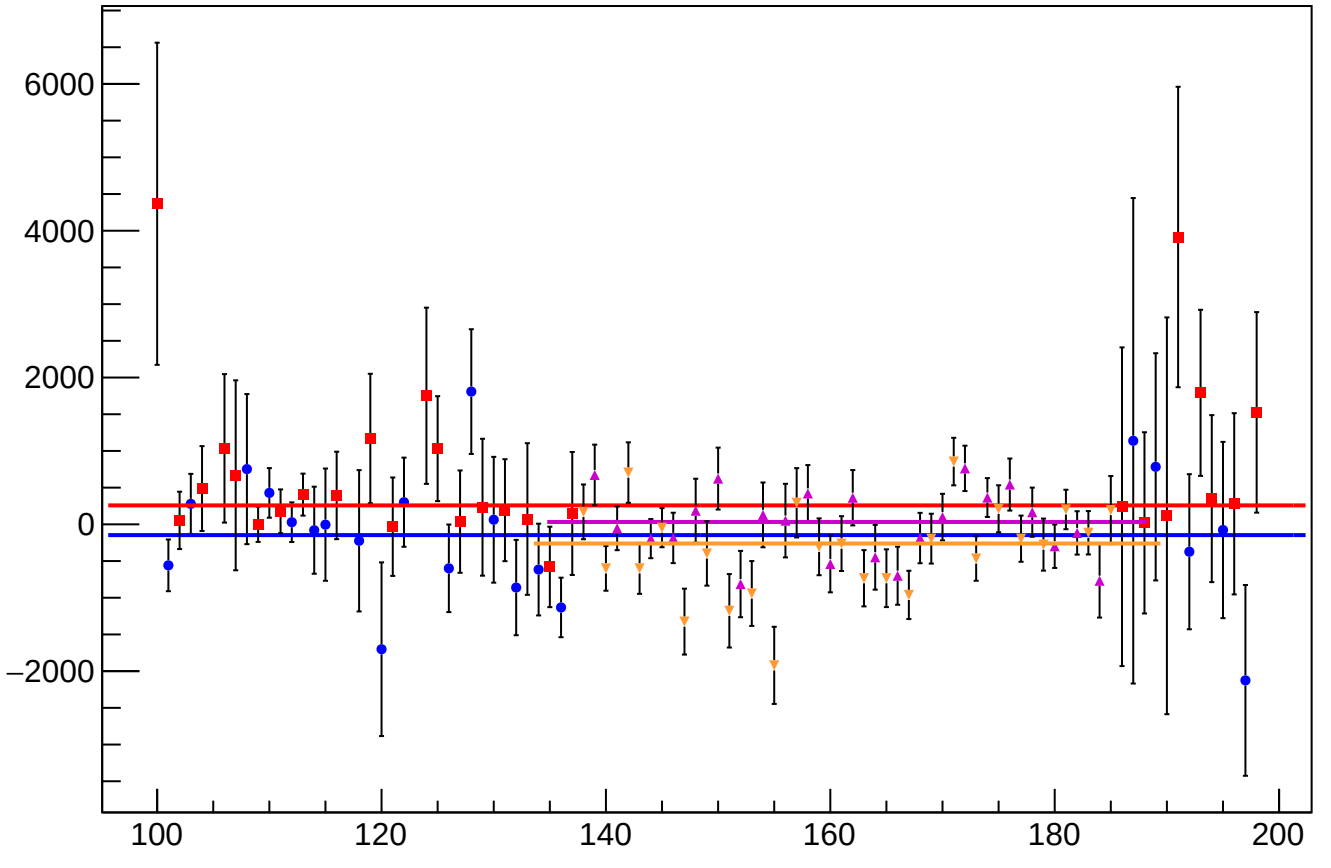
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 74.502+/-0.011 χ^2/NDF: 2493453.7/47

In: 67.367+/-0.009 χ^2/NDF:1456377.7/43

Out: 67.623+/-0.009 χ^2/NDF:1920131.3/51

All: 67.501+/-0.006 χ^2/NDF: 3376931.8/95



Right In: -146.597+/-123.302 χ^2/NDF: 25.4/20

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 258.169+/-114.652 χ^2/NDF: 18.6/26

Left In: 32.423+/-73.837 χ^2/NDF:31.7/22

Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

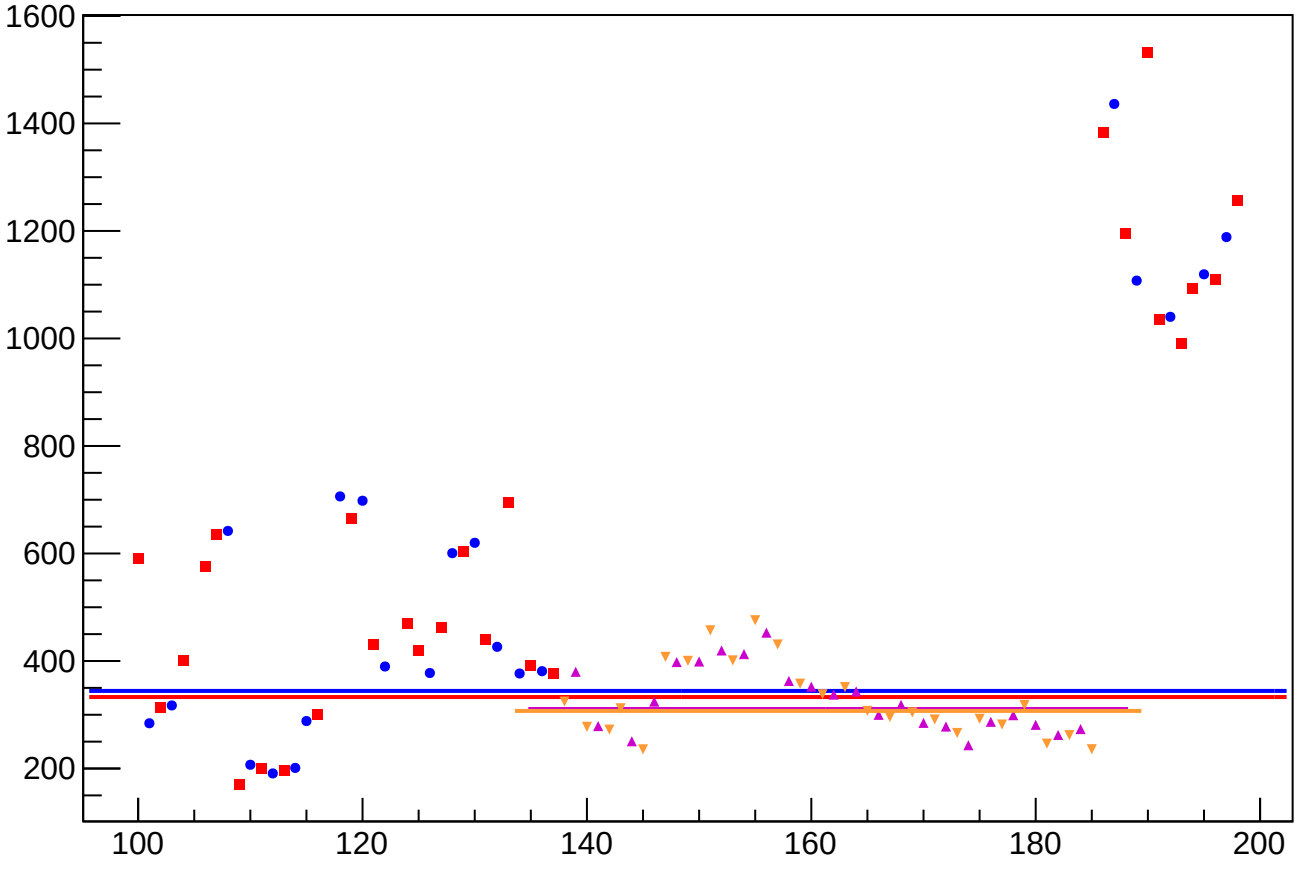
Right: 70.480+/-83.963 χ^2/NDF: 49.7/47

In: -14.829+/-63.347 χ^2/NDF:58.6/43

Out: -116.395+/-60.528 χ^2/NDF:92.2/51

All: -67.923+/-43.762 χ^2/NDF: 152.2/95

asym_sam7_reg_correction_rms vs Slug, Sign Corrected



Right In: 344.346+/-0.087 χ^2/NDF: 5510022.5/20

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 332.953+/-0.081 χ^2/NDF: 8350175.2/26

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

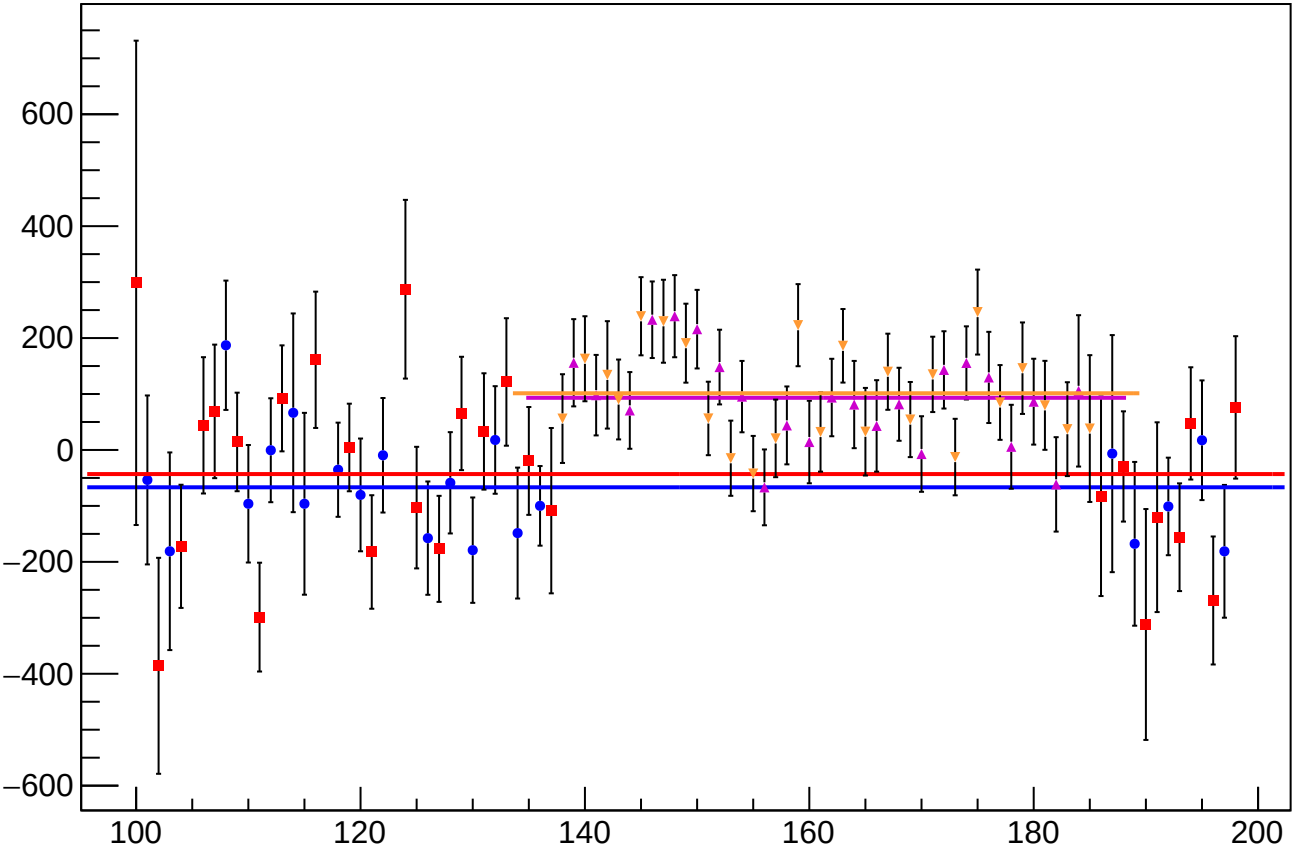
Right: 338.236+/-0.059 χ^2/NDF: 13869354.9/47

In: 319.579+/-0.045 χ^2/NDF:6699129.4/43

Out: 314.337+/-0.043 χ^2/NDF:9743432.6/51

All: 316.838+/-0.031 χ^2/NDF: 16449722.3/95

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -66.723+/-23.362 χ^2/NDF: 12.9/20

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -43.086+/-21.719 χ^2/NDF: 40.5/26

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

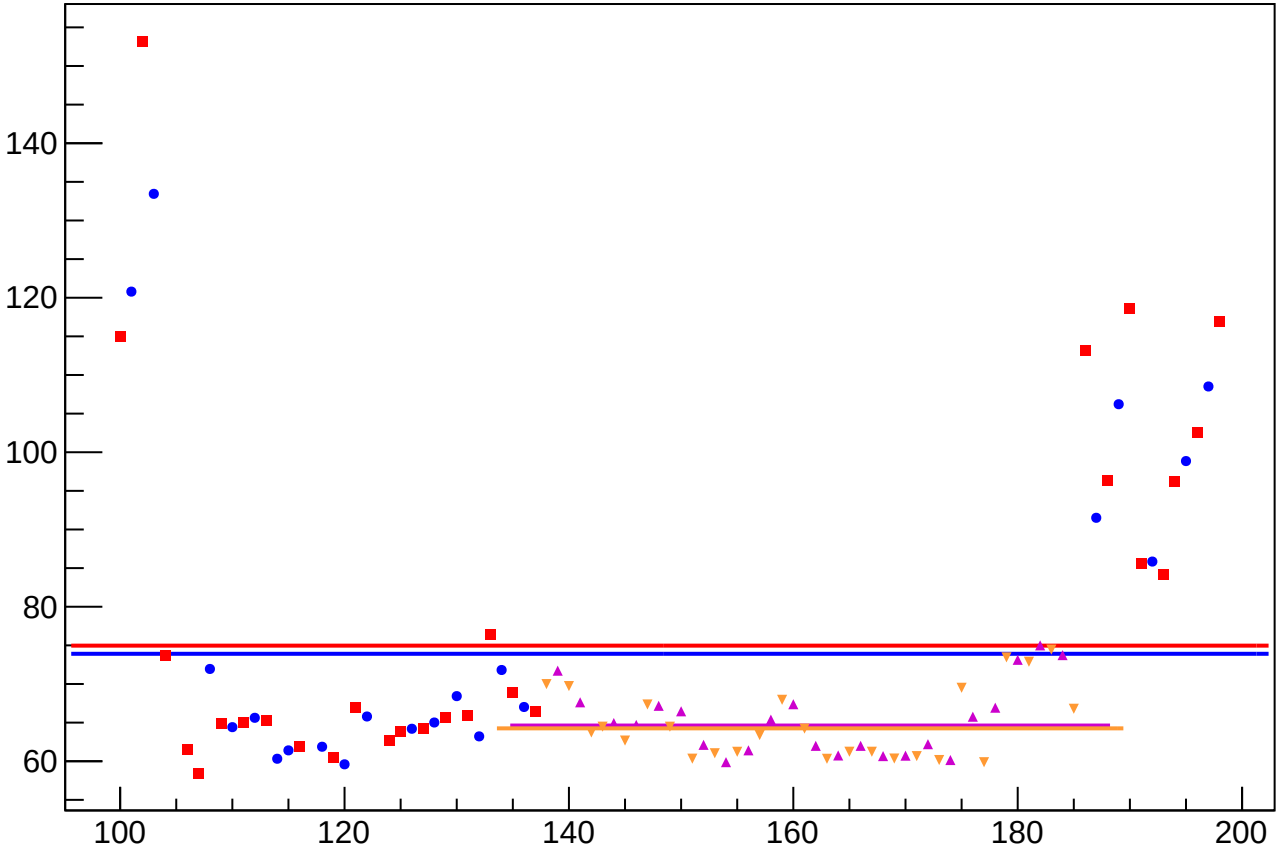
Right: -54.044+/-15.907 χ^2/NDF: 54.0/47

In: 45.941+/-12.703 χ^2/NDF:74.7/43

Out: 56.201+/-12.141 χ^2/NDF:104.8/51

All: 51.303+/-8.777 χ^2/NDF: 179.9/95

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.908+/-0.017 χ^2/NDF: 1086563.9/20

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 74.964+/-0.015 χ^2/NDF: 1411145.6/26

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

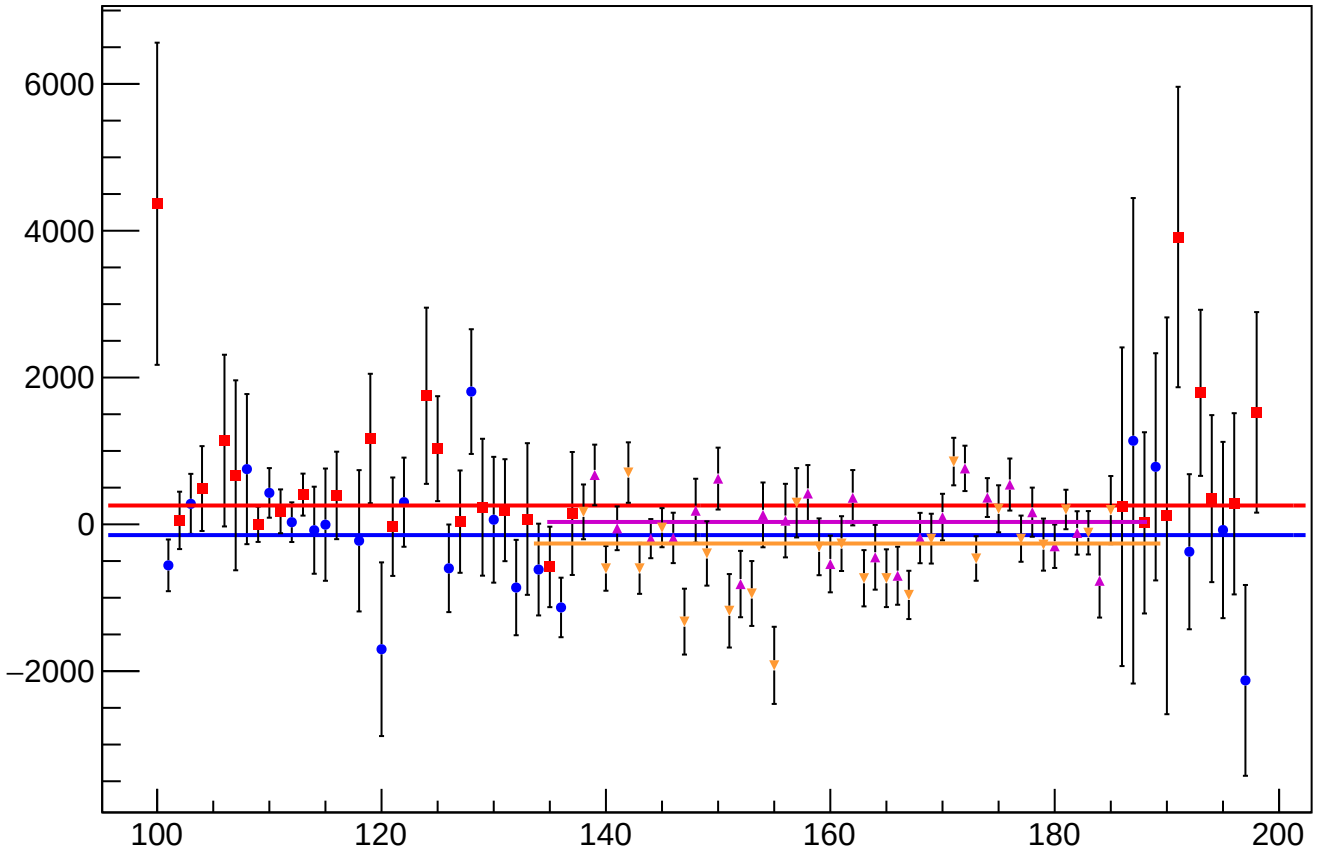
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 74.475+/-0.011 χ^2/NDF: 2499900.7/47

In: 67.367+/-0.009 χ^2/NDF:1456378.1/43

Out: 67.602+/-0.009 χ^2/NDF:1923131.0/51

All: 67.490+/-0.006 χ^2/NDF: 3379865.5/95



Right In: -146.594+/-123.302 χ^2/NDF: 25.4/20

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 256.672+/-114.843 χ^2/NDF: 18.6/26

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

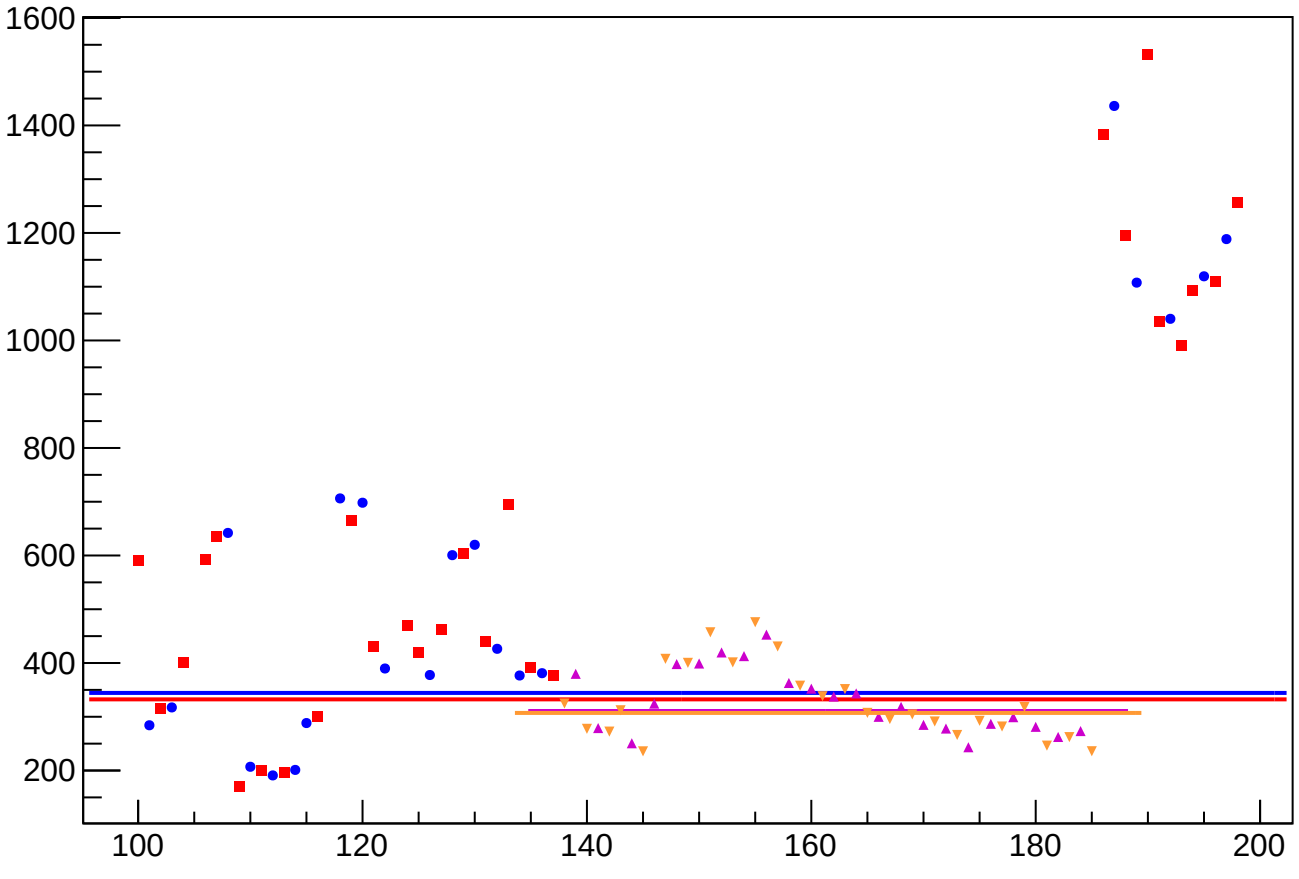
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 69.346+/-84.038 χ^2/NDF: 49.6/47

In: -14.830+/-63.348 χ^2/NDF:58.6/43

Out: -117.159+/-60.556 χ^2/NDF:92.0/51

All: -68.299+/-43.773 χ^2/NDF: 152.0/95



Right In: 344.348+/-0.087 χ^2/NDF: 5510006.7/20

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 332.352+/-0.081 χ^2/NDF: 8334253.2/26

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

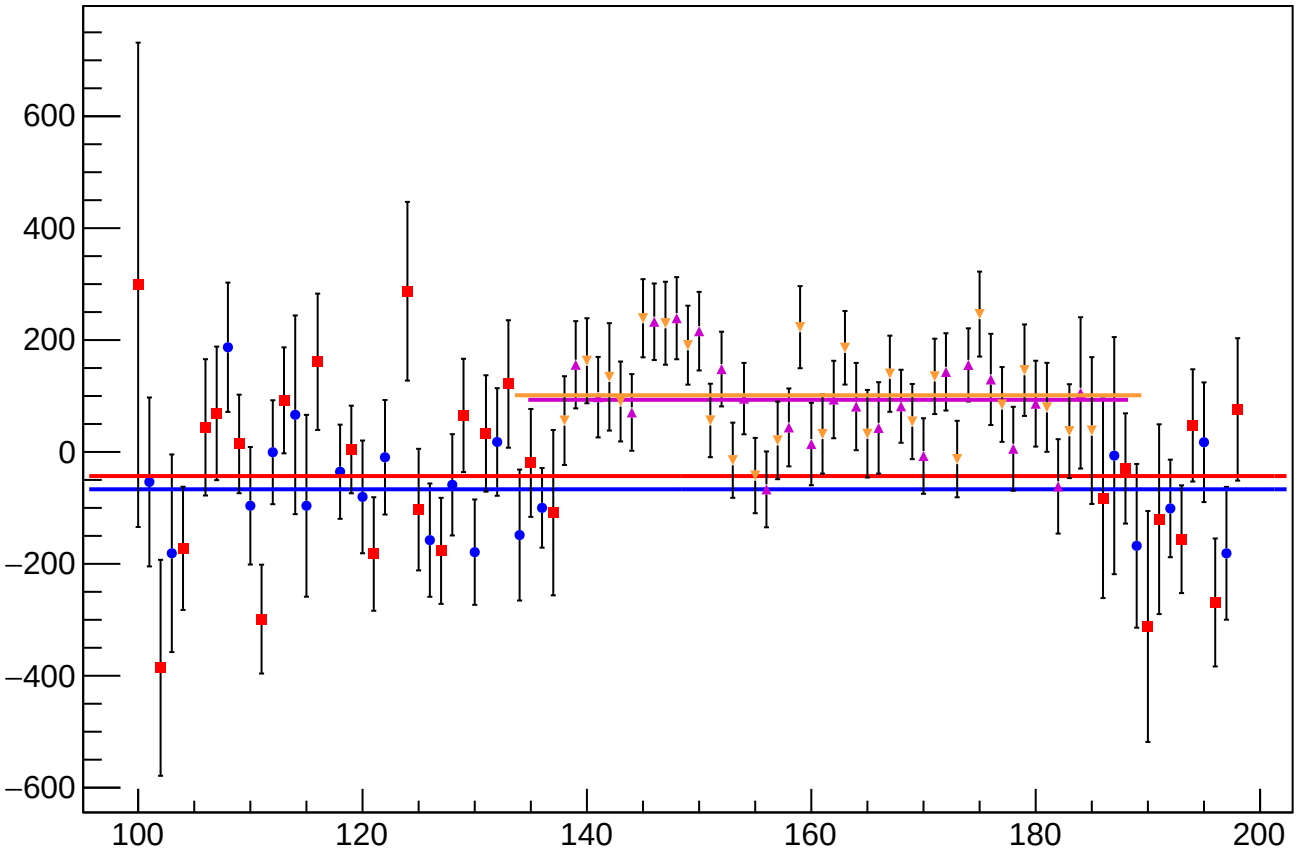
Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

Right: 337.925+/-0.059 χ^2/NDF: 13854396.9/47

In: 319.580+/-0.045 χ^2/NDF:6699130.1/43

Out: 314.152+/-0.043 χ^2/NDF:9723975.3/51

All: 316.744+/-0.031 χ^2/NDF: 16430776.7/95



Right In: -66.723+/-23.362 χ^2/NDF: 12.9/20

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -43.086+/-21.719 χ^2/NDF: 40.5/26

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

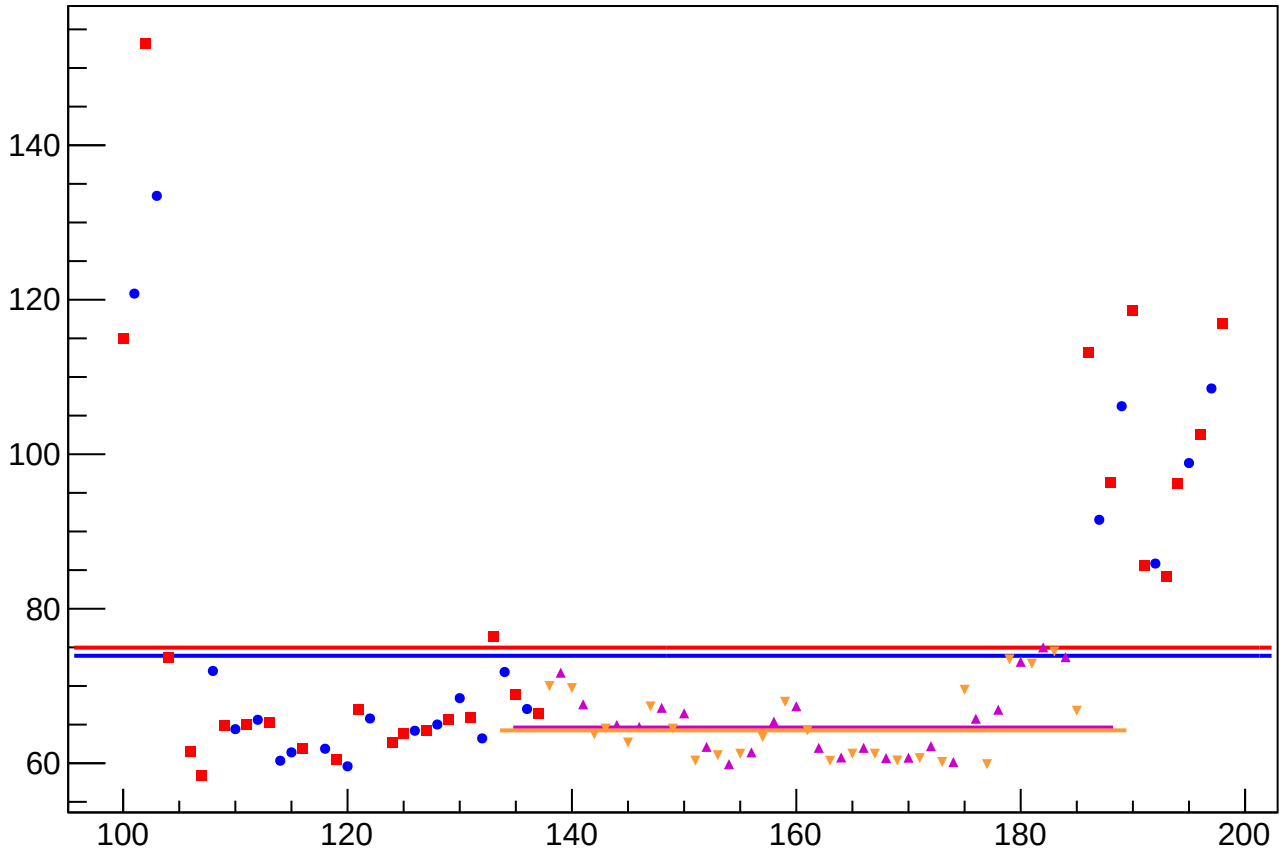
Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

Right: -54.044+/-15.907 χ^2/NDF: 54.0/47

In: 45.941+/-12.703 χ^2/NDF:74.7/43

Out: 56.201+/-12.141 χ^2/NDF:104.8/51

All: 51.303+/-8.777 χ^2/NDF: 179.9/95



Right In: 73.908+/-0.017 χ^2/NDF: 1086563.9/20

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 74.964+/-0.015 χ^2/NDF: 1411145.6/26

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

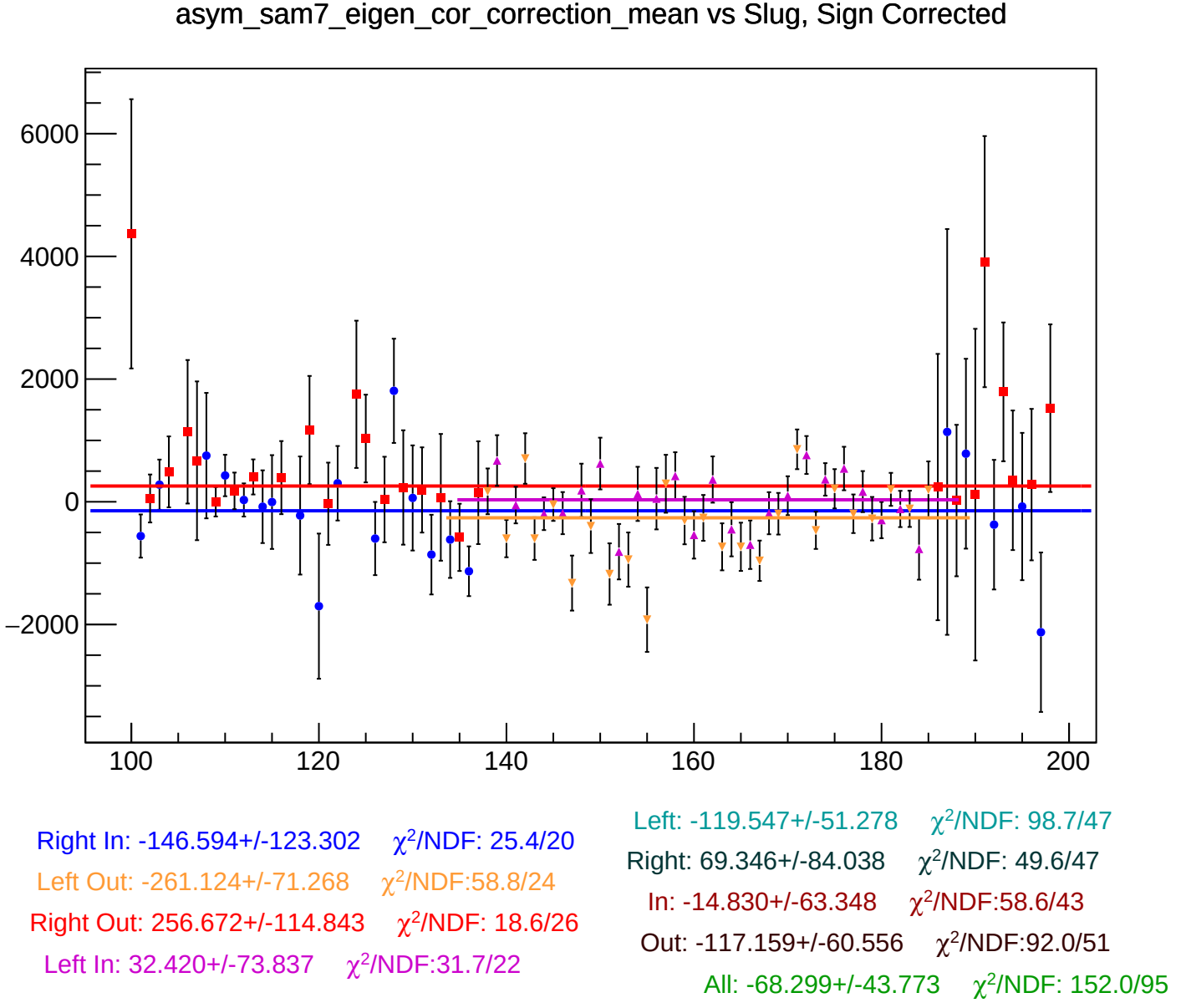
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 74.475+/-0.011 χ^2/NDF: 2499900.7/47

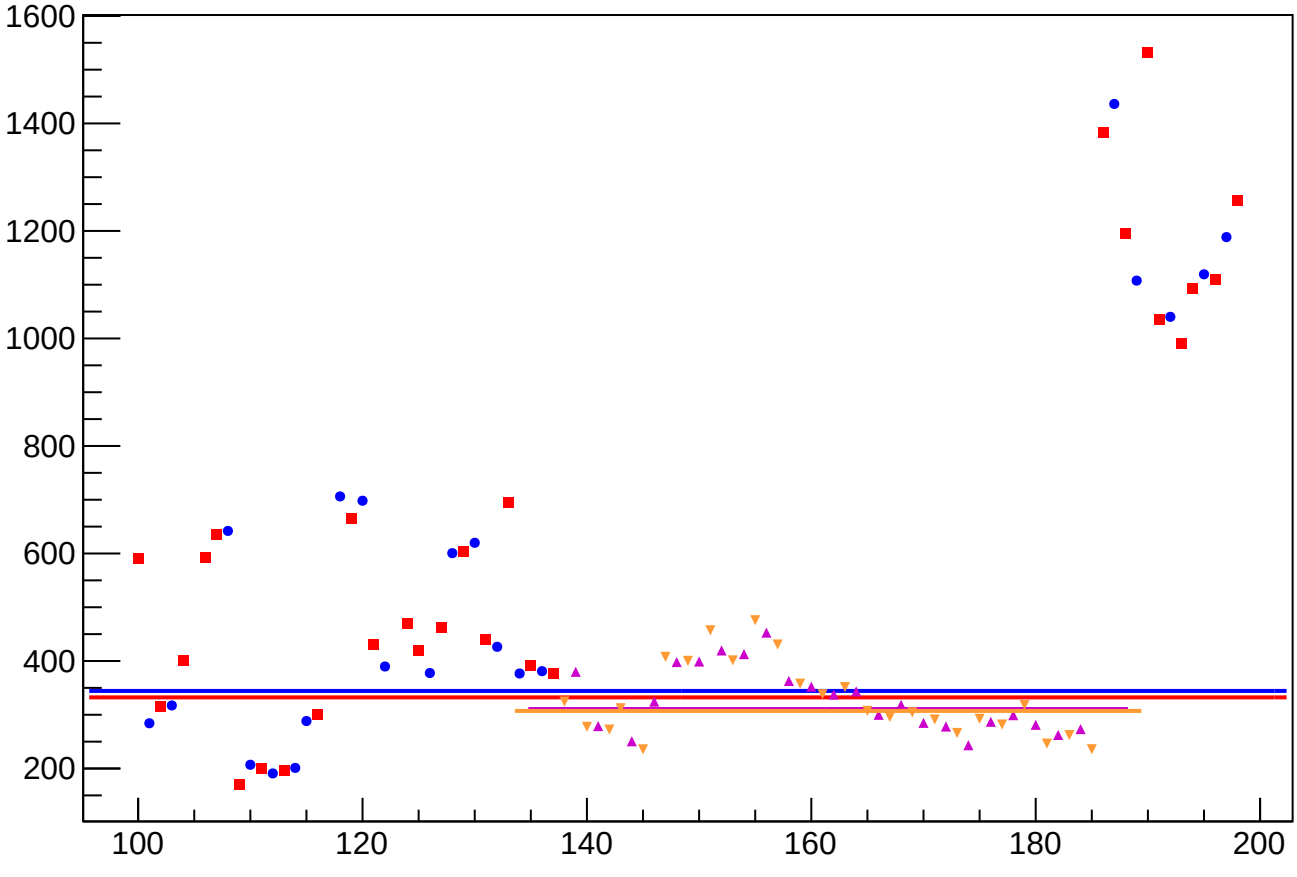
In: 67.367+/-0.009 χ^2/NDF:1456378.1/43

Out: 67.602+/-0.009 χ^2/NDF:1923131.0/51

All: 67.490+/-0.006 χ^2/NDF: 3379865.5/95


asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: -146.594+/-123.302 χ²/NDF: 25.4/20
Left Out: -261.124+/-71.268 χ²/NDF:58.8/24
Right Out: 256.672+/-114.843 χ²/NDF: 18.6/26
Left In: 32.420+/-73.837 χ²/NDF:31.7/22
Left: -119.547+/-51.278 χ²/NDF: 98.7/47
Right: 69.346+/-84.038 χ²/NDF: 49.6/47
In: -14.830+/-63.348 χ²/NDF:58.6/43
Out: -117.159+/-60.556 χ²/NDF:92.0/51
All: -68.299+/-43.773 χ²/NDF: 152.0/95

asym_sam7_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 344.348+/-0.087 χ^2/NDF: 5510006.7/20

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 332.352+/-0.081 χ^2/NDF: 8334253.2/26

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

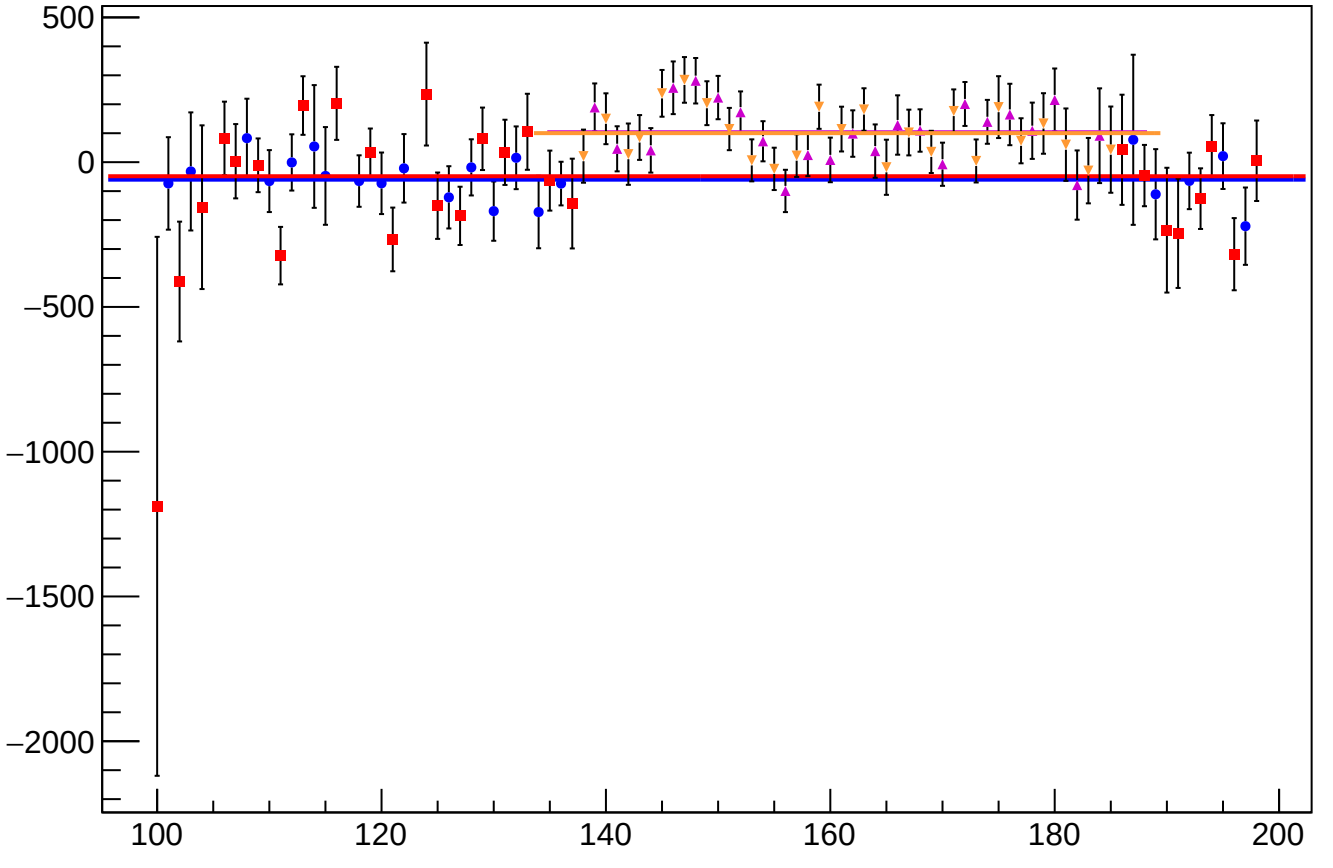
Right: 337.925+/-0.059 χ^2/NDF: 13854396.9/47

In: 319.580+/-0.045 χ^2/NDF:6699130.1/43

Out: 314.152+/-0.043 χ^2/NDF:9723975.3/51

All: 316.744+/-0.031 χ^2/NDF: 16430776.7/95

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.399+/-25.325 χ^2/NDF: 7.2/20

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: -48.579+/-23.617 χ^2/NDF: 45.8/26

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

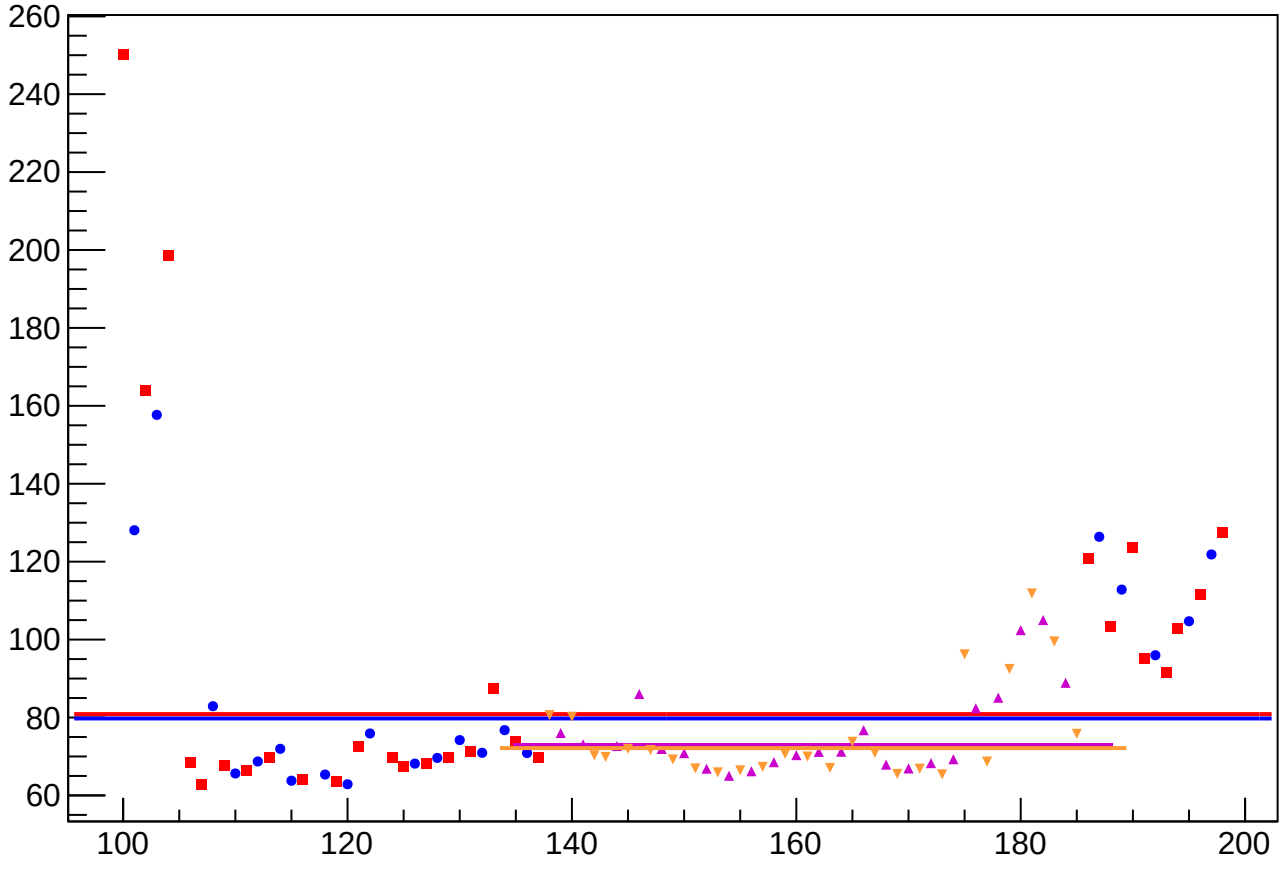
Right: -54.077+/-17.272 χ^2/NDF: 53.1/47

In: 51.420+/-14.263 χ^2/NDF:68.5/43

Out: 50.953+/-13.595 χ^2/NDF:100.1/51

All: 51.175+/-9.841 χ^2/NDF: 168.5/95

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 79.756+/-0.018 χ^2/NDF: 1246674.5/20

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 80.871+/-0.017 χ^2/NDF: 1885910.5/26

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

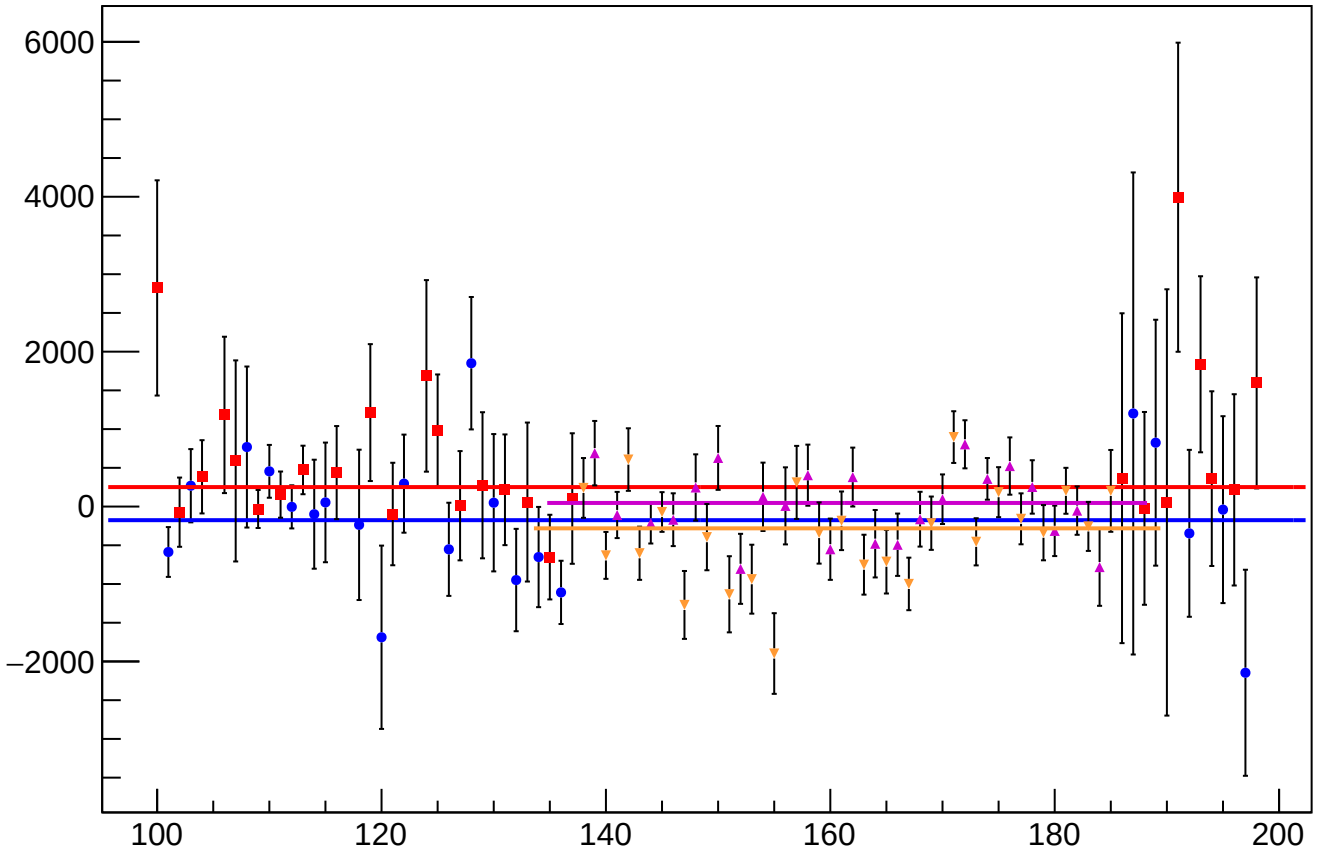
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 80.352+/-0.012 χ^2/NDF: 3134658.5/47

In: 75.107+/-0.010 χ^2/NDF:1854383.5/43

Out: 75.039+/-0.010 χ^2/NDF:2710243.4/51

All: 75.072+/-0.007 χ^2/NDF: 4564650.8/95



Right In: -175.843+/-125.756 χ^2/NDF: 25.5/20

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 251.407+/-116.795 χ^2/NDF: 20.2/26

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

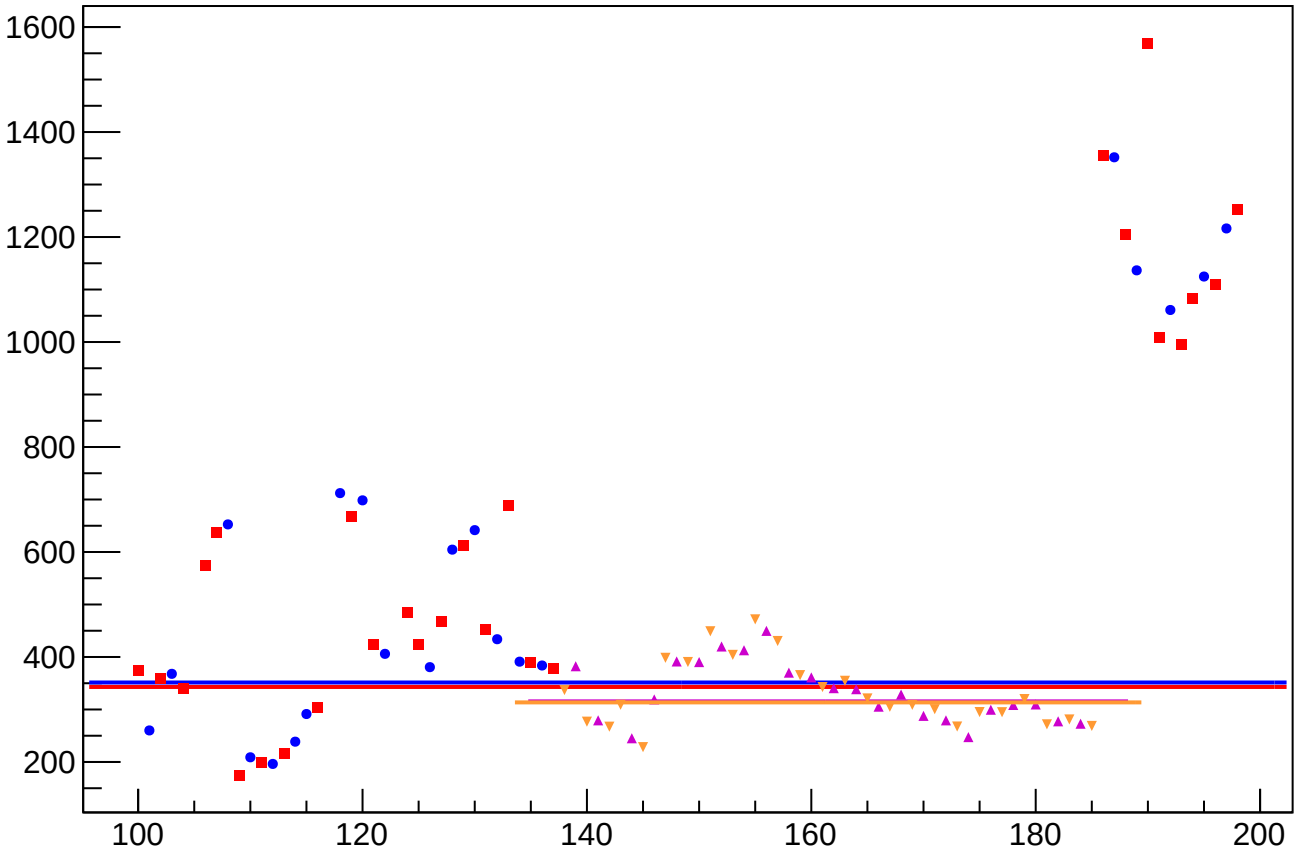
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 53.544+/-85.579 χ^2/NDF: 51.9/47

In: -11.666+/-64.349 χ^2/NDF:58.5/43

Out: -132.949+/-61.621 χ^2/NDF:92.1/51

All: -74.933+/-44.506 χ^2/NDF: 152.4/95



Right In: 351.413+/-0.089 χ^2/NDF: 5504469.2/20

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 342.898+/-0.083 χ^2/NDF: 8048373.4/26

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

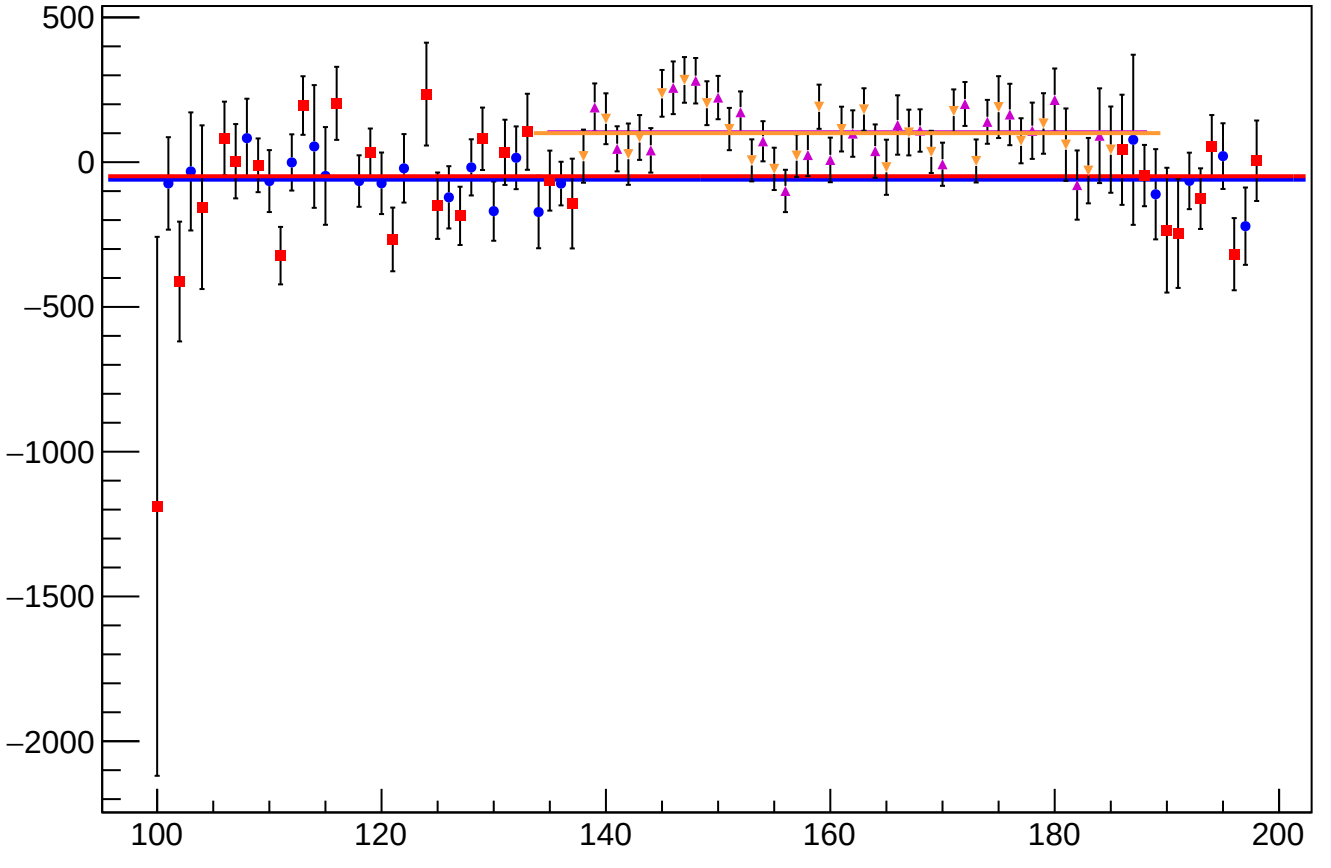
Right: 346.841+/-0.061 χ^2/NDF: 13557765.5/47

In: 324.870+/-0.046 χ^2/NDF:6633693.0/43

Out: 321.683+/-0.044 χ^2/NDF:9315342.4/51

All: 323.208+/-0.031 χ^2/NDF: 15951594.5/95

eigen_dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.398+/-25.325 χ^2/NDF: 7.2/20

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: -48.580+/-23.617 χ^2/NDF: 45.8/26

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

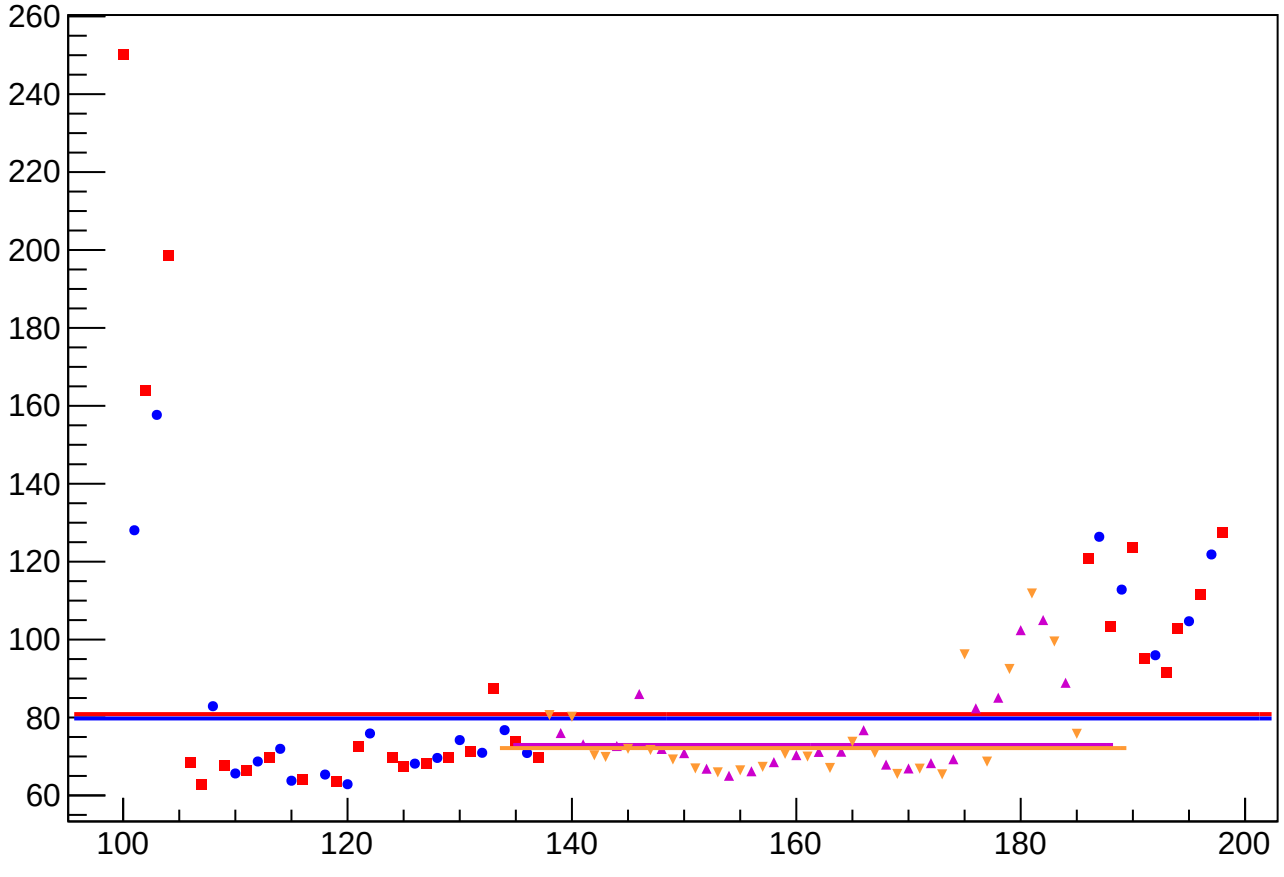
Right: -54.077+/-17.272 χ^2/NDF: 53.1/47

In: 51.419+/-14.263 χ^2/NDF:68.5/43

Out: 50.952+/-13.595 χ^2/NDF:100.0/51

All: 51.175+/-9.841 χ^2/NDF: 168.5/95

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 79.756+/-0.018 χ^2/NDF: 1246680.2/20

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 80.871+/-0.017 χ^2/NDF: 1885908.4/26

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

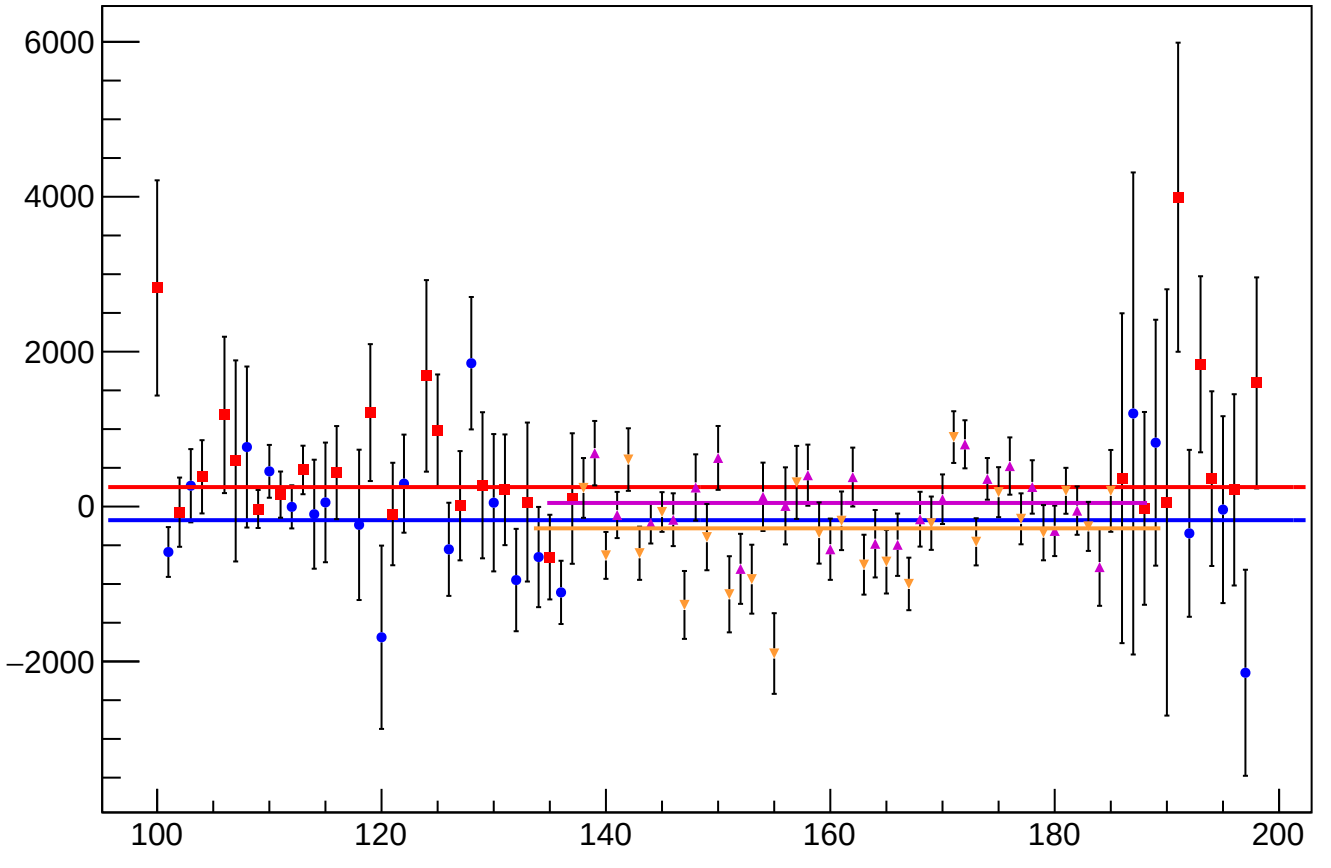
Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

Right: 80.352+/-0.012 χ^2/NDF: 3134662.1/47

In: 75.107+/-0.010 χ^2/NDF:1854385.5/43

Out: 75.039+/-0.010 χ^2/NDF:2710233.1/51

All: 75.072+/-0.007 χ^2/NDF: 4564642.6/95



Right In: -175.841+/-125.755 χ^2/NDF: 25.5/20

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 251.405+/-116.794 χ^2/NDF: 20.2/26

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

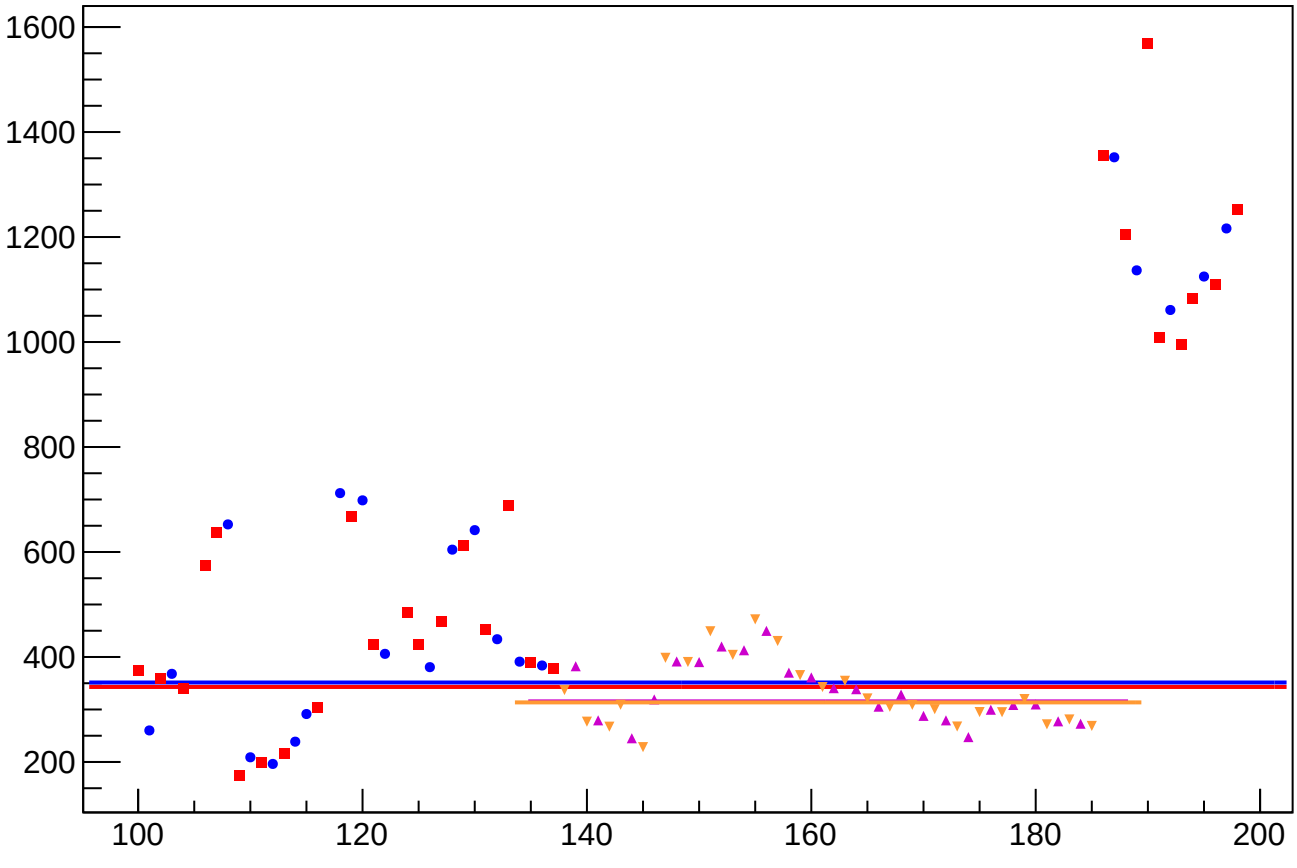
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 53.544+/-85.579 χ^2/NDF: 51.9/47

In: -11.667+/-64.349 χ^2/NDF:58.5/43

Out: -132.948+/-61.620 χ^2/NDF:92.1/51

All: -74.933+/-44.506 χ^2/NDF: 152.4/95



Right In: 351.410+/-0.089 χ^2/NDF: 5504522.3/20

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 342.896+/-0.083 χ^2/NDF: 8048403.6/26

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

Left: 314.447+/-0.037 χ^2/NDF: 2184760.0/47

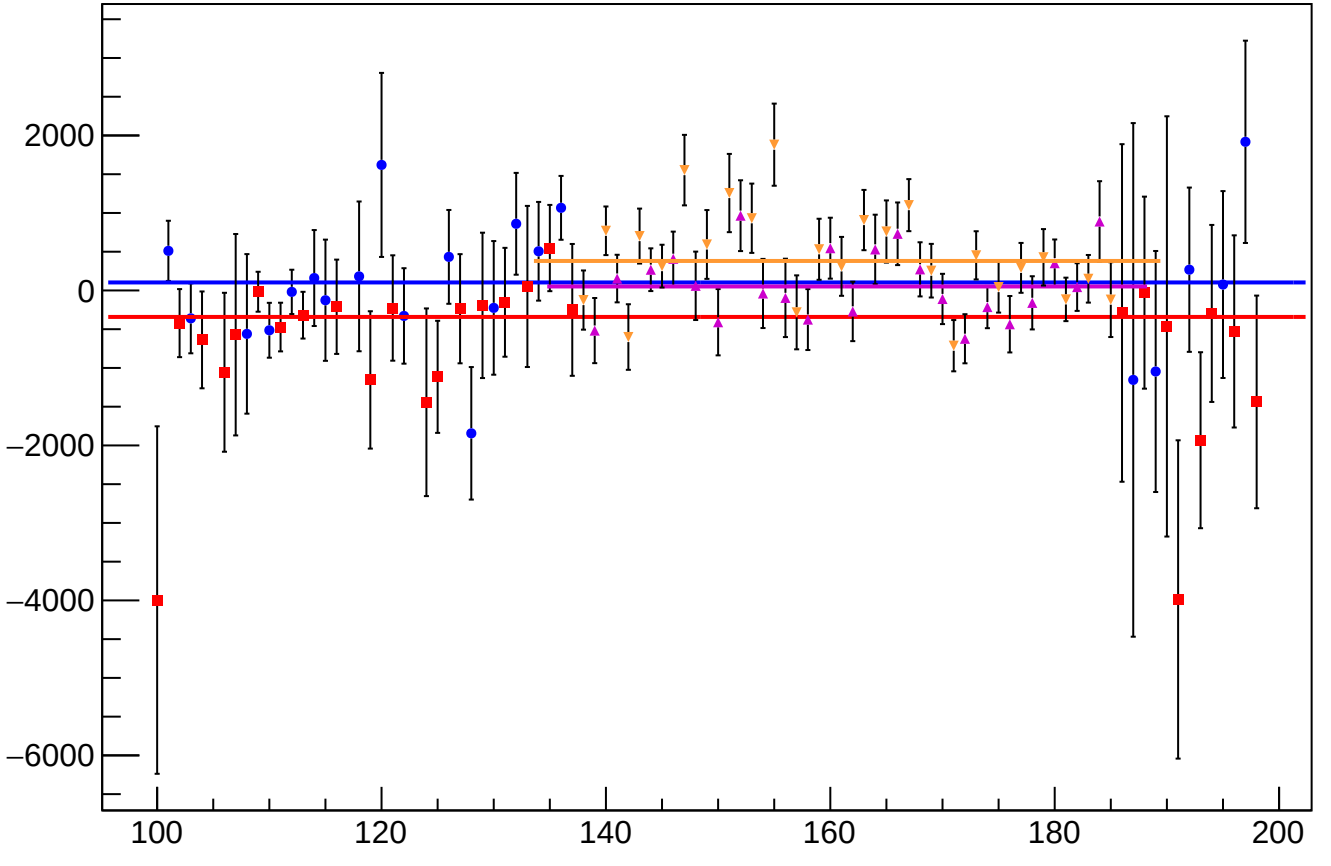
Right: 346.839+/-0.061 χ^2/NDF: 13557847.8/47

In: 324.870+/-0.046 χ^2/NDF:6633725.7/43

Out: 321.683+/-0.044 χ^2/NDF:9315367.1/51

All: 323.207+/-0.031 χ^2/NDF: 15951651.9/95

asym_sam7_mean vs Slug, Sign Corrected



Right In: 103.301+/-128.966 χ^2/NDF: 23.5/20

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: -341.723+/-120.314 χ^2/NDF: 16.8/26

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

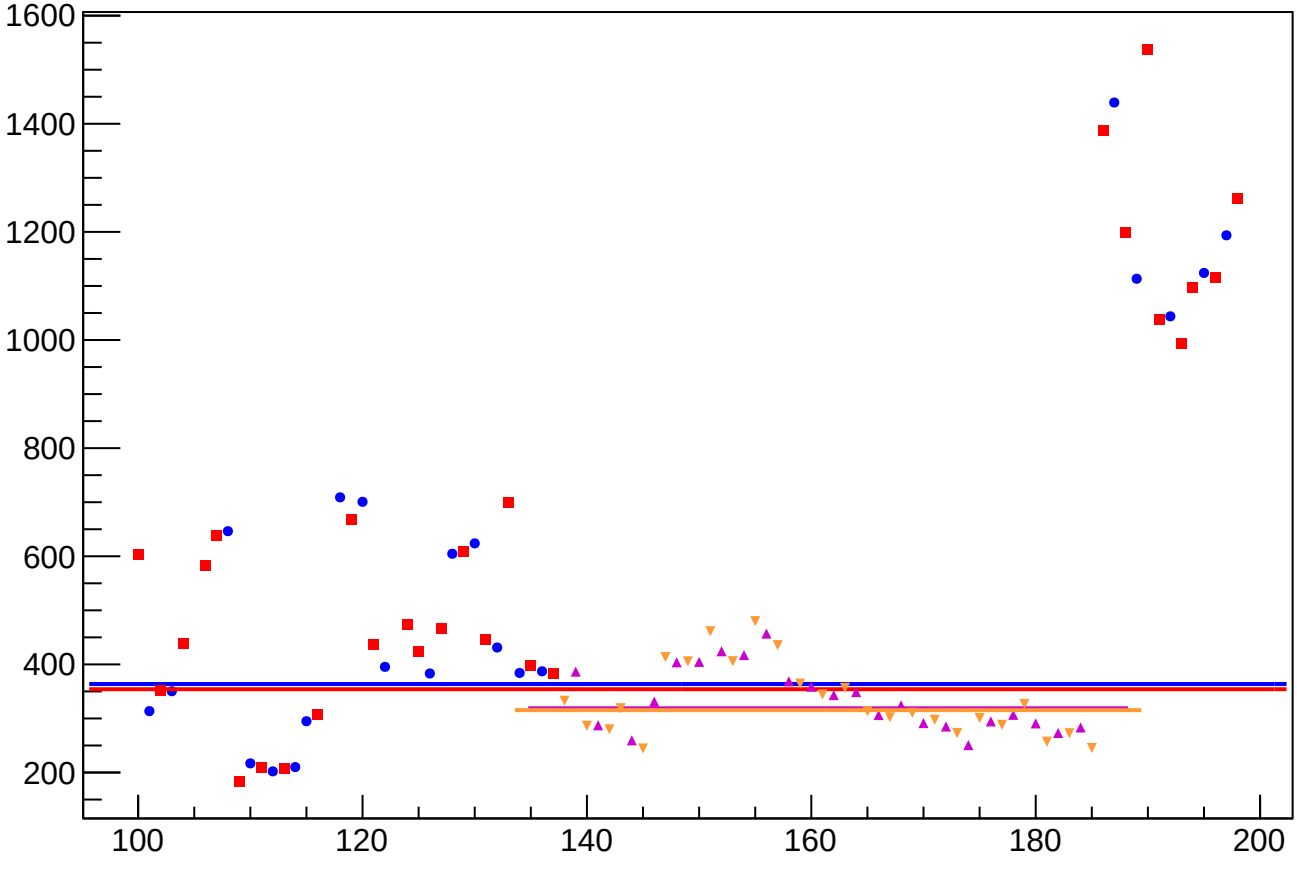
Right: -134.639+/-87.975 χ^2/NDF: 46.6/47

In: 64.736+/-65.239 χ^2/NDF:51.8/43

Out: 186.033+/-62.446 χ^2/NDF:98.5/51

All: 128.037+/-45.111 χ^2/NDF: 152.1/95

asym_sam7_rms vs Slug, Sign Corrected



Right In: 363.775+/-0.091 χ^2/NDF: 5203064.7/20

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 354.121+/-0.085 χ^2/NDF: 7924165.5/26

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

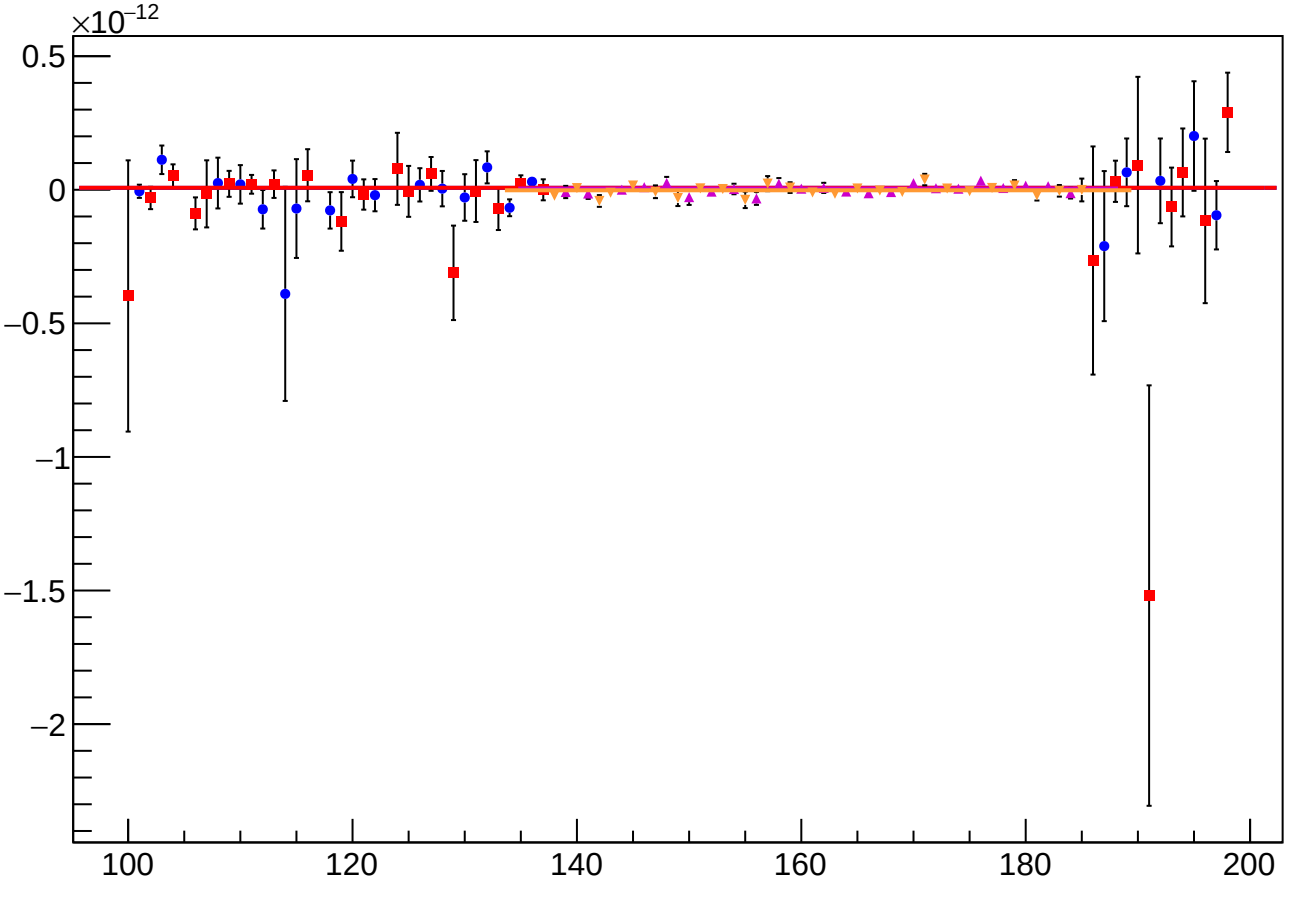
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 358.613+/-0.062 χ^2/NDF: 13133221.1/47

In: 330.226+/-0.046 χ^2/NDF:6376555.6/43

Out: 325.828+/-0.044 χ^2/NDF:9285658.4/51

All: 327.931+/-0.032 χ^2/NDF: 15666957.1/95



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/26

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

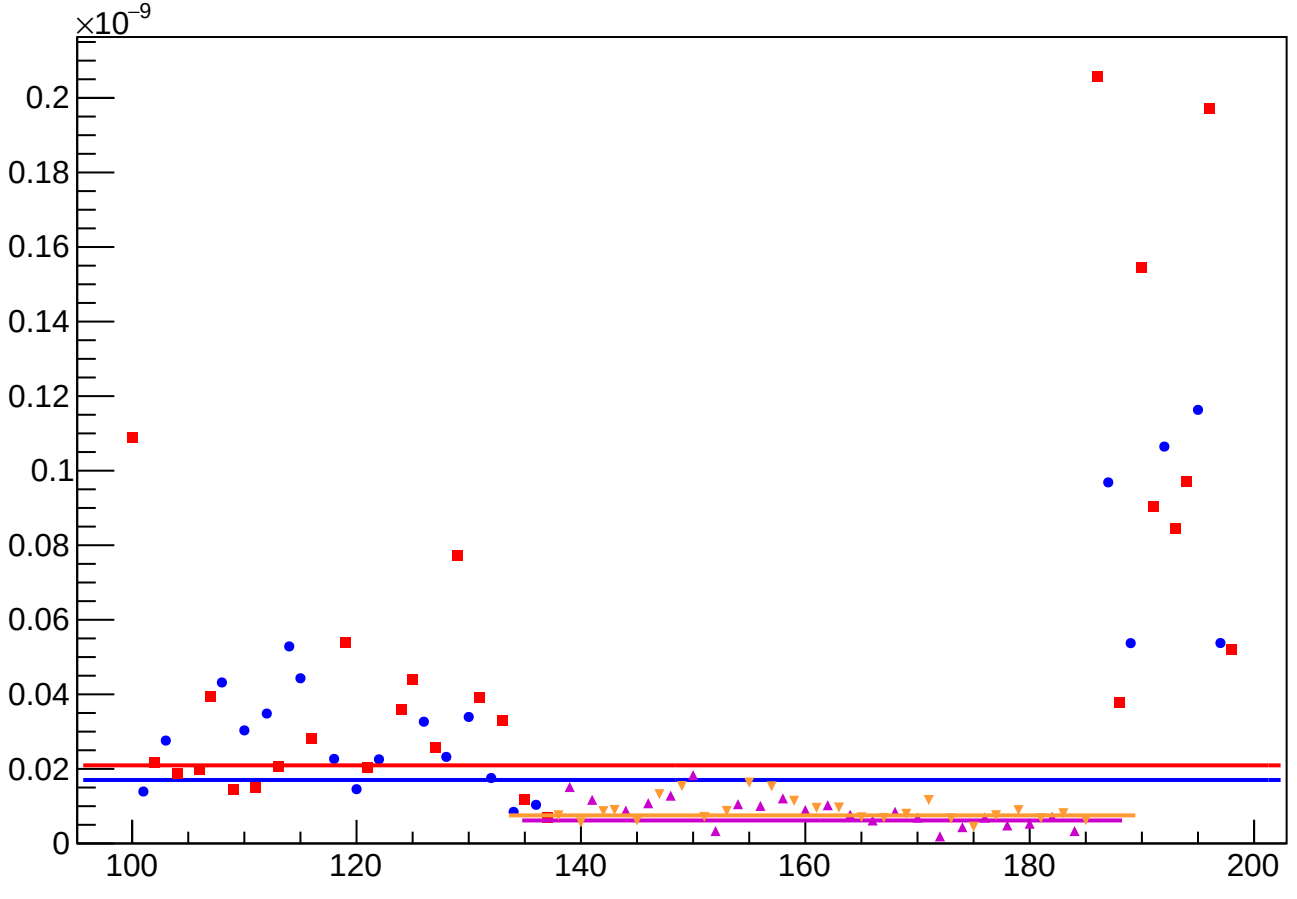
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 41.4/47

In: 0.000+/-0.000 χ^2/NDF:37.8/43

Out: -0.000+/-0.000 χ^2/NDF:40.8/51

All: 0.000+/-0.000 χ^2/NDF: 80.7/95



Right In: 0.000+/-0.000 χ^2/NDF: 2795841.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3648987.9/26

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

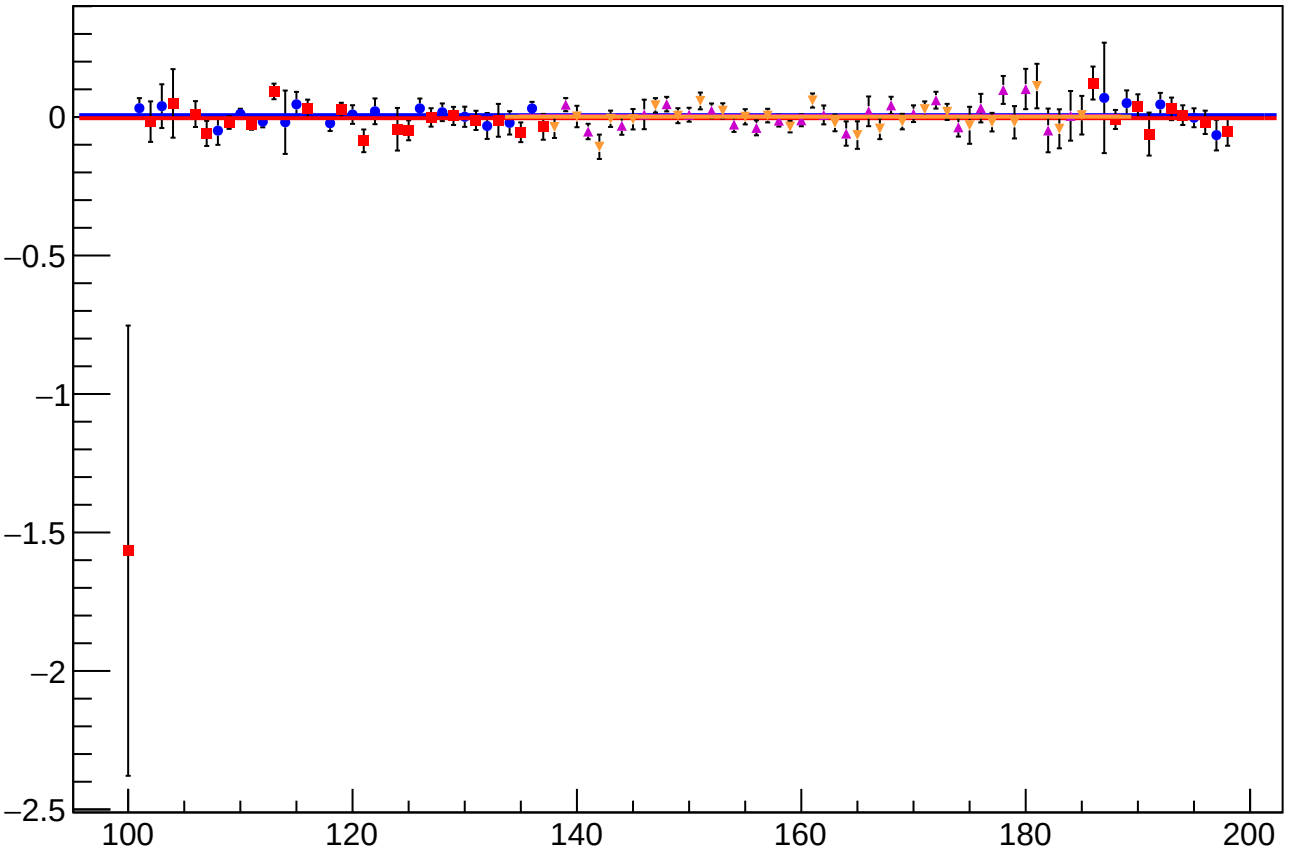
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 6557343.6/47

In: 0.000+/-0.000 χ^2/NDF:7448386.4/43

Out: 0.000+/-0.000 χ^2/NDF:7016135.9/51

All: 0.000+/-0.000 χ^2/NDF: 14684781.9/95



Right In: 0.007+/-0.008 χ^2/NDF: 11.5/20

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 37.9/26

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

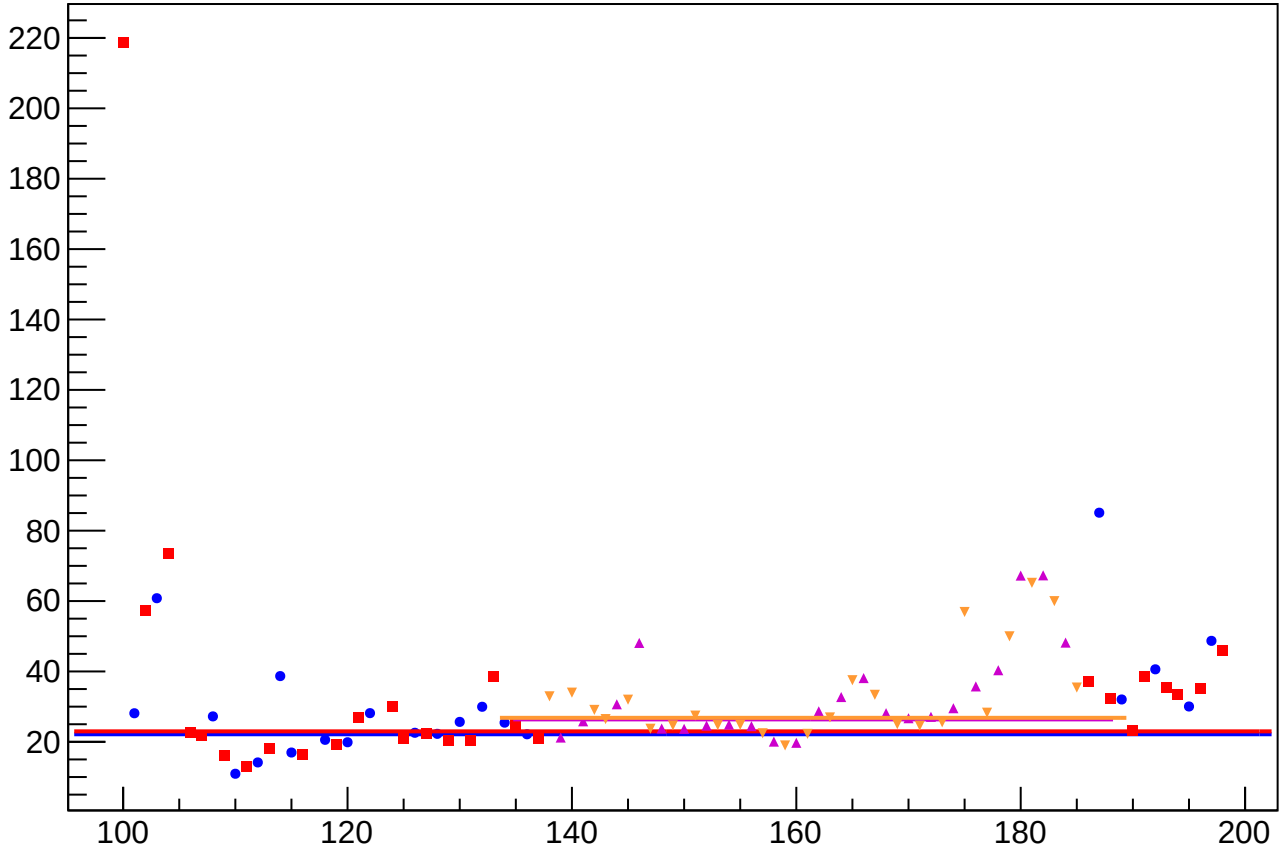
Right: 0.001+/-0.005 χ^2/NDF: 50.4/47

In: 0.005+/-0.005 χ^2/NDF:42.7/43

Out: -0.001+/-0.005 χ^2/NDF:68.4/51

All: 0.002+/-0.003 χ^2/NDF: 112.0/95

asym_sam7_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.153+/-0.005 χ^2/NDF: 3030120.7/20

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 22.980+/-0.005 χ^2/NDF: 3263183.7/26

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

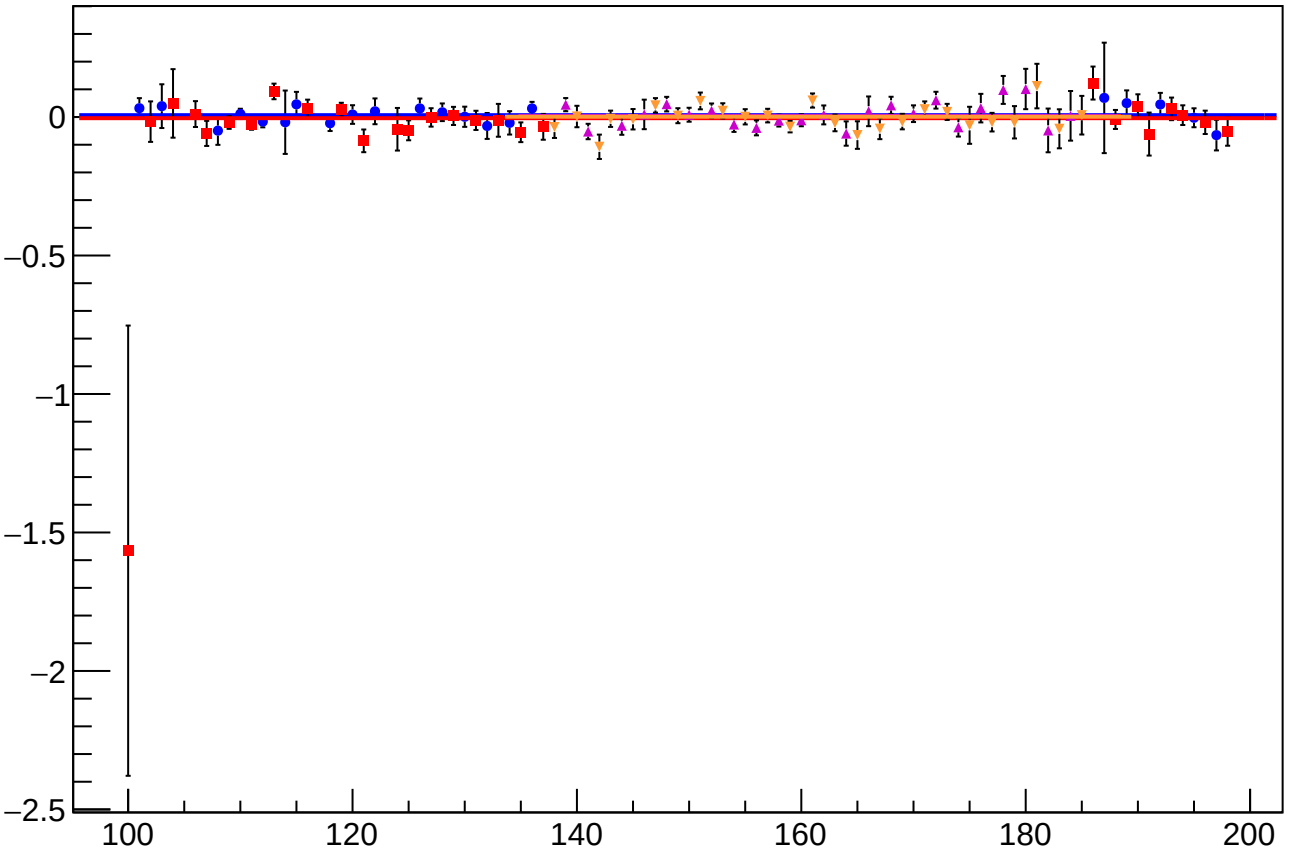
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 22.591+/-0.004 χ^2/NDF: 6305796.1/47

In: 24.564+/-0.004 χ^2/NDF:5947573.0/43

Out: 25.091+/-0.003 χ^2/NDF:6048000.8/51

All: 24.837+/-0.002 χ^2/NDF: 12007100.2/95



Right In: 0.007+/-0.008 χ^2/NDF: 11.5/20

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 37.9/26

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

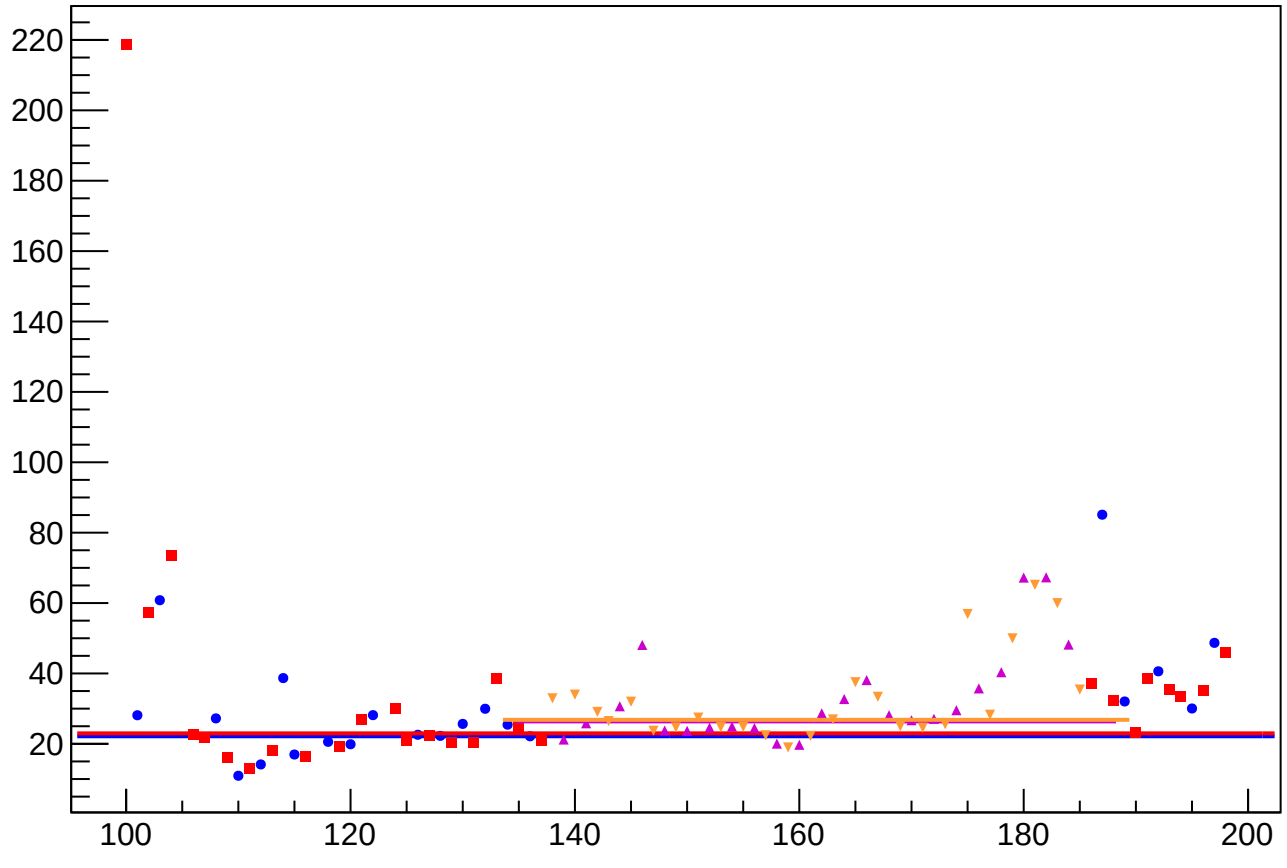
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.001+/-0.005 χ^2/NDF: 50.4/47

In: 0.005+/-0.005 χ^2/NDF:42.7/43

Out: -0.001+/-0.005 χ^2/NDF:68.4/51

All: 0.002+/-0.003 χ^2/NDF: 112.0/95



Right In: 22.153+/-0.005 χ^2/NDF: 3030120.7/20

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 22.980+/-0.005 χ^2/NDF: 3263183.7/26

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

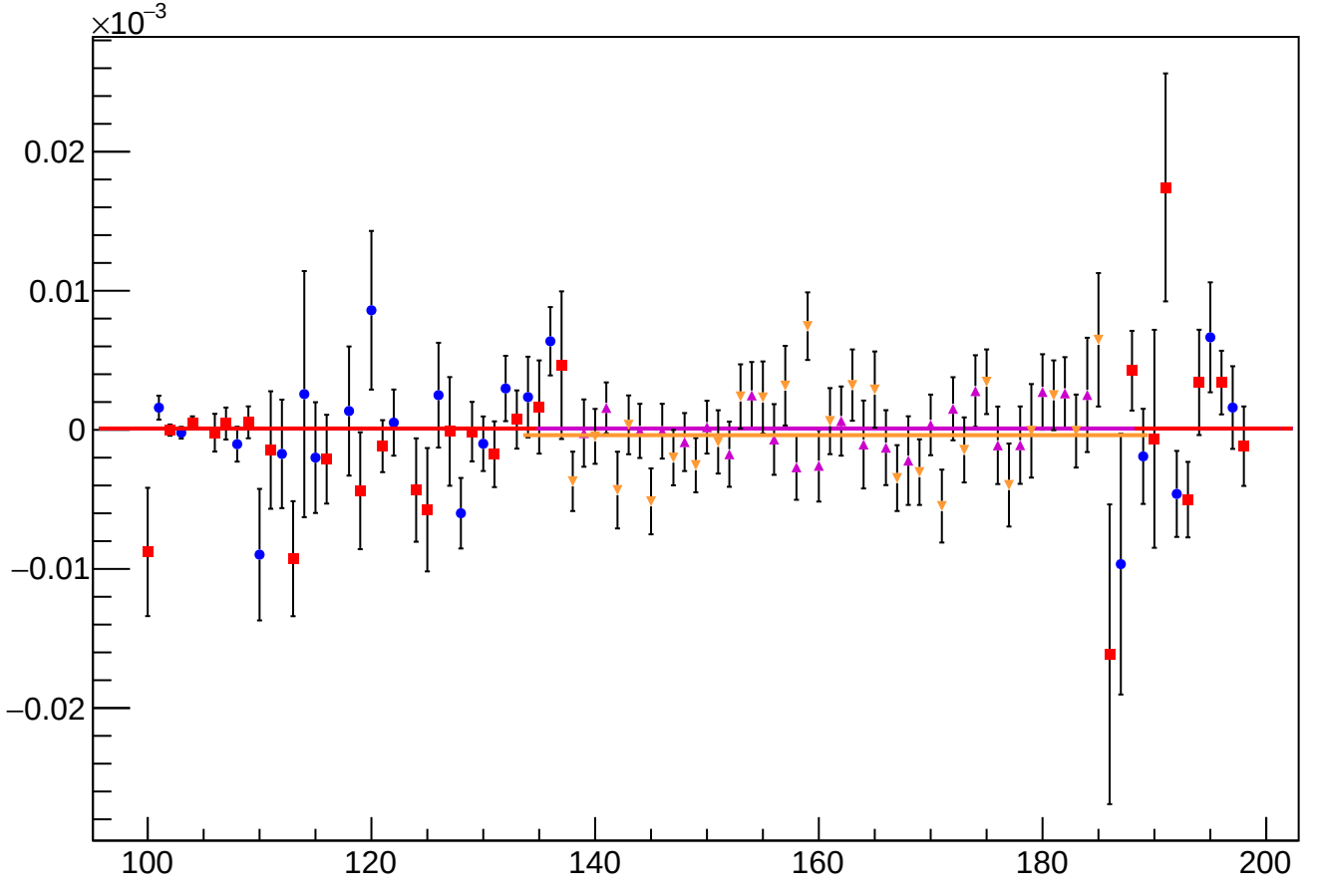
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 22.591+/-0.004 χ^2/NDF: 6305796.1/47

In: 24.564+/-0.004 χ^2/NDF:5947573.0/43

Out: 25.091+/-0.003 χ^2/NDF:6048000.8/51

All: 24.837+/-0.002 χ^2/NDF: 12007100.2/95



Right In: 0.000+/-0.000 χ^2/NDF: 32.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.6/26

Left In: 0.000+/-0.000 χ^2/NDF:10.2/22

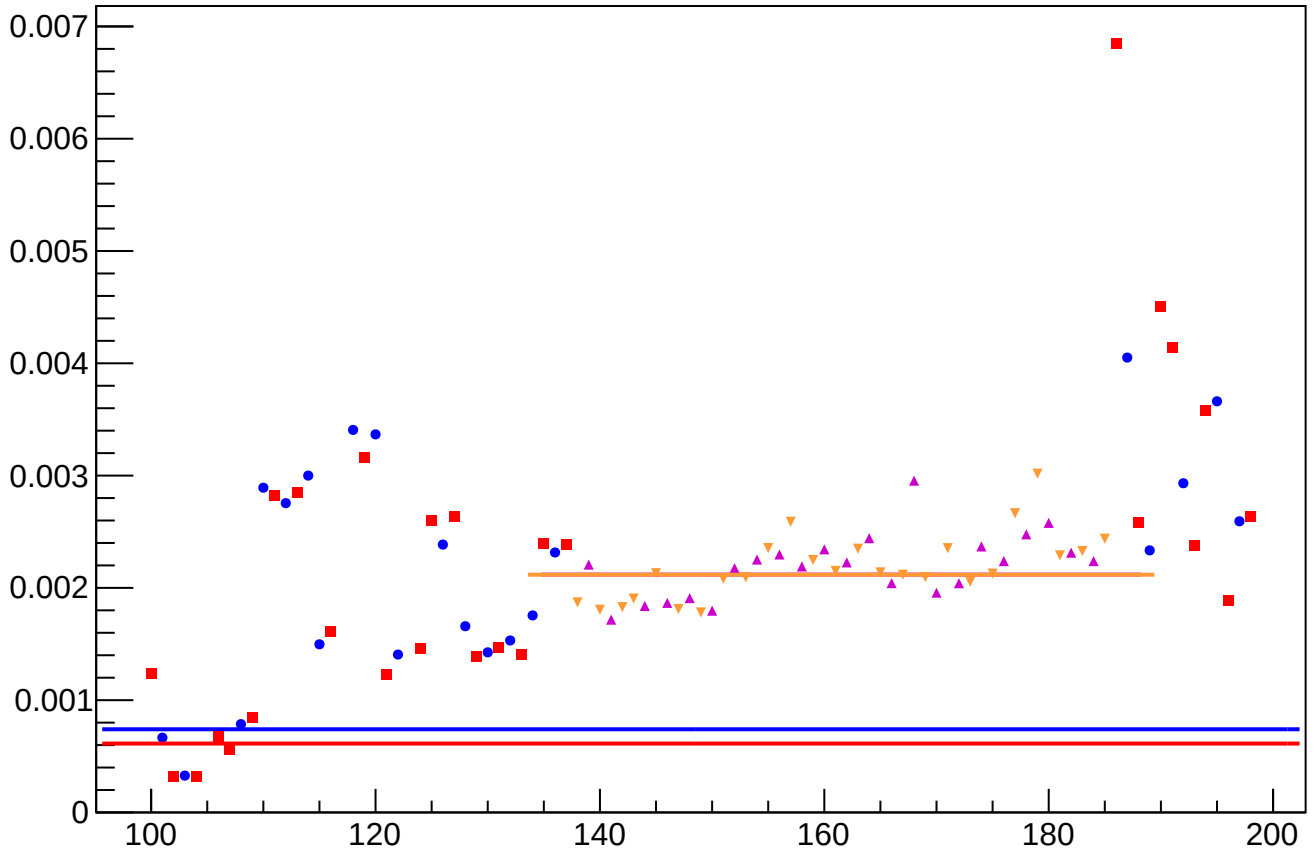
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

Right: 0.000+/-0.000 χ^2/NDF: 65.4/47

In: 0.000+/-0.000 χ^2/NDF:43.0/43

Out: -0.000+/-0.000 χ^2/NDF:76.5/51

All: 0.000+/-0.000 χ^2/NDF: 119.5/95



Right In: 0.001+/-0.000 χ^2/NDF: 10058448.4/20

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 13092898.8/26

Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

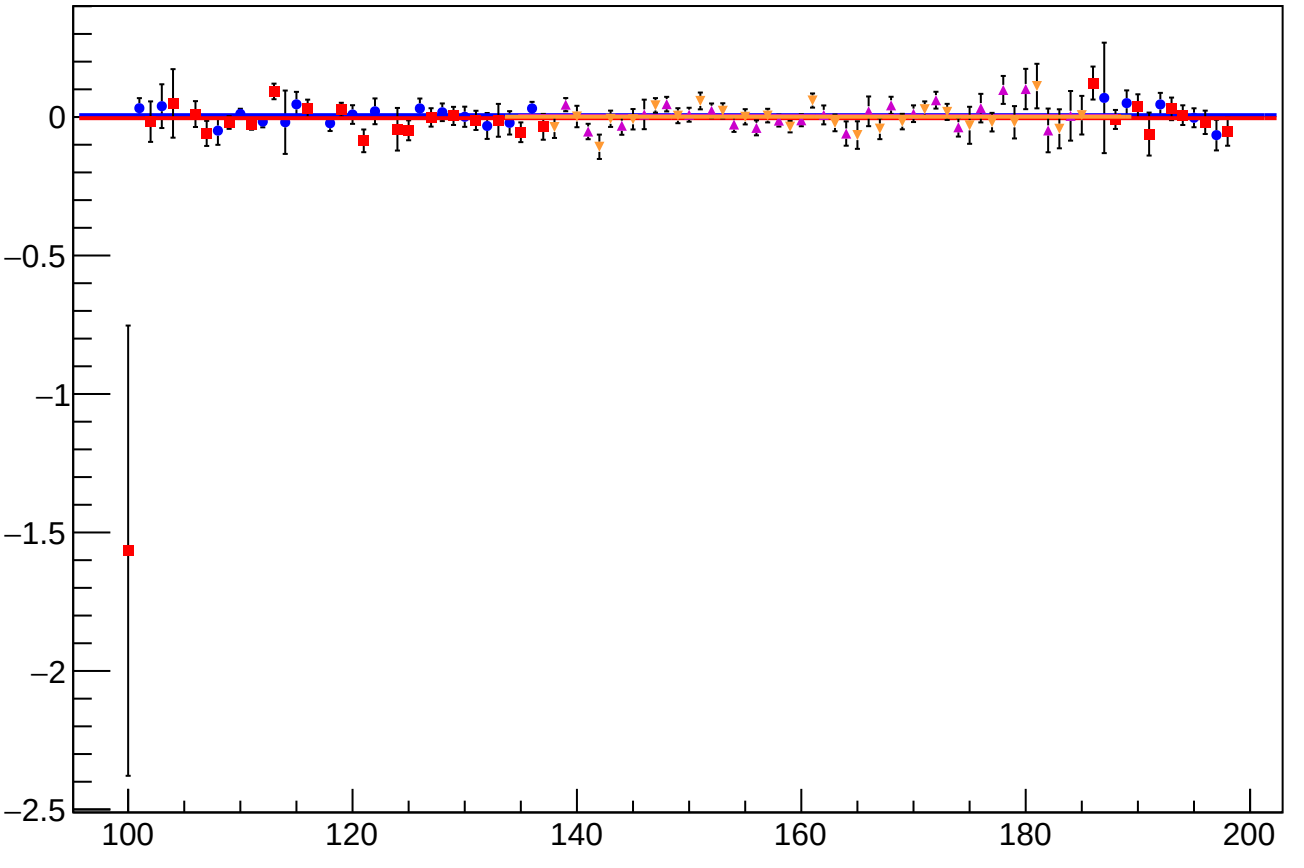
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 23340282.5/47

In: 0.001+/-0.000 χ^2/NDF:21280262.8/43

Out: 0.001+/-0.000 χ^2/NDF:28678041.9/51

All: 0.001+/-0.000 χ^2/NDF: 50699836.0/95



Right In: 0.007+/-0.008 χ^2/NDF: 11.5/20

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 37.9/26

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

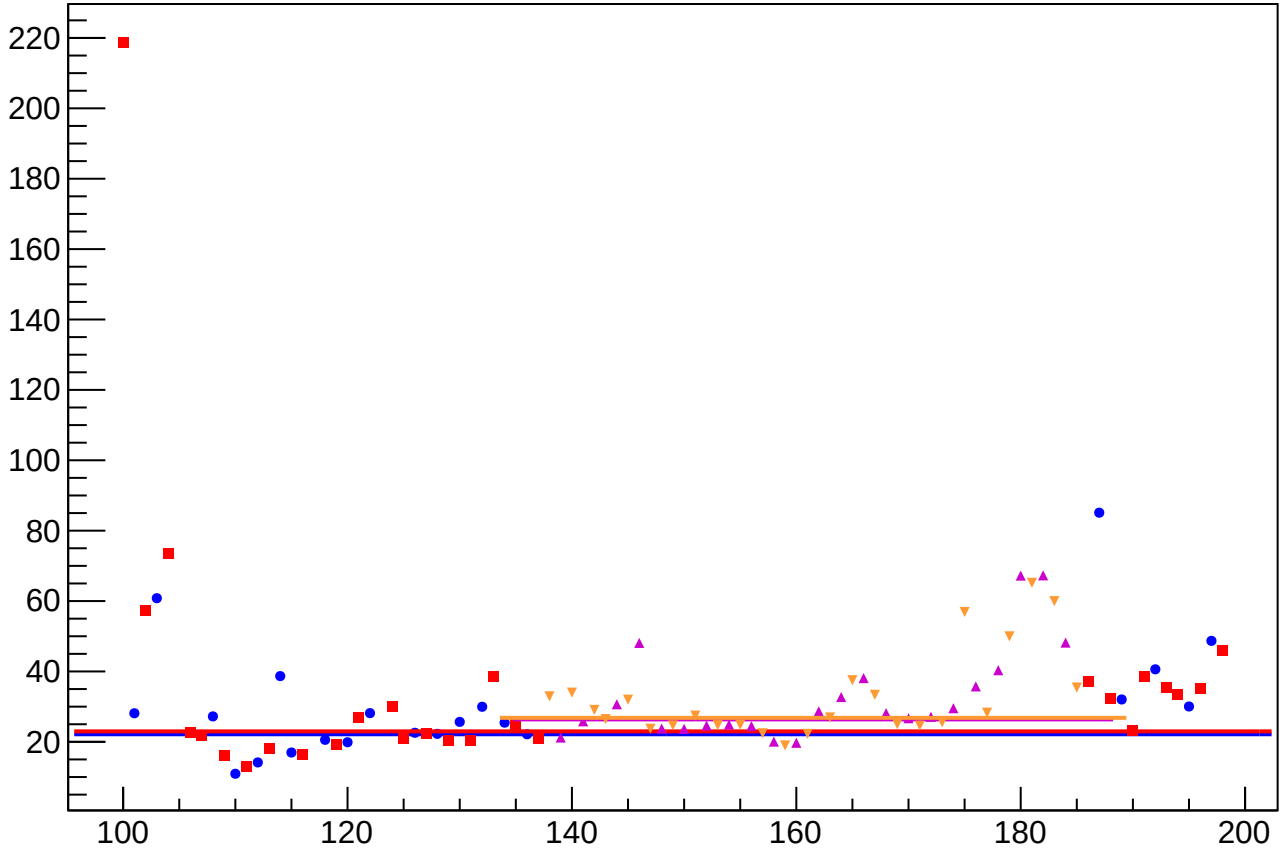
Right: 0.001+/-0.005 χ^2/NDF: 50.4/47

In: 0.005+/-0.005 χ^2/NDF:42.7/43

Out: -0.001+/-0.005 χ^2/NDF:68.4/51

All: 0.002+/-0.003 χ^2/NDF: 112.0/95

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.154+/-0.005 χ^2/NDF: 3029887.2/20

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 22.980+/-0.005 χ^2/NDF: 3262939.6/26

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

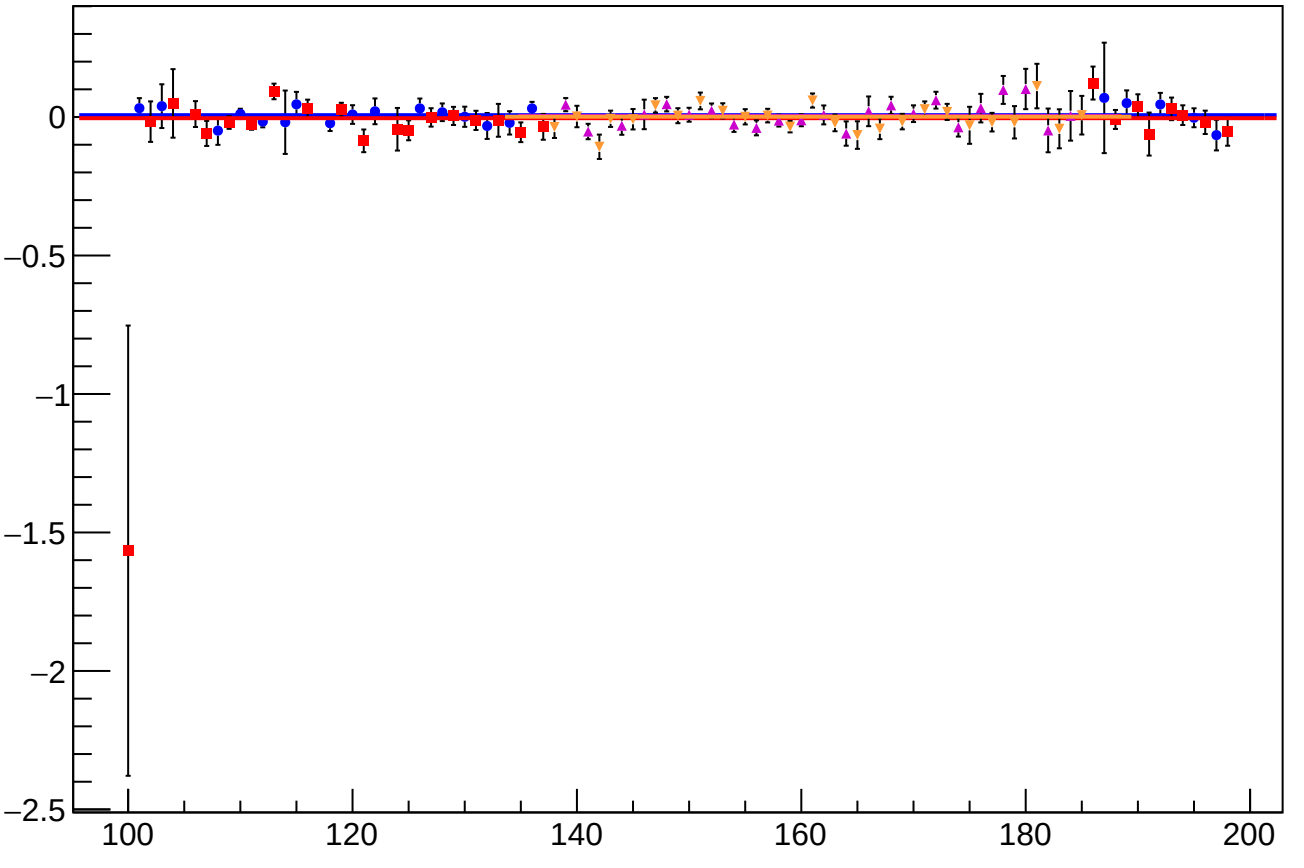
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 22.592+/-0.004 χ^2/NDF: 6305305.0/47

In: 24.564+/-0.004 χ^2/NDF:5947326.7/43

Out: 25.091+/-0.003 χ^2/NDF:6047799.4/51

All: 24.837+/-0.002 χ^2/NDF: 12006643.6/95



Right In: 0.007+/-0.008 χ^2/NDF: 11.5/20

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 37.9/26

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

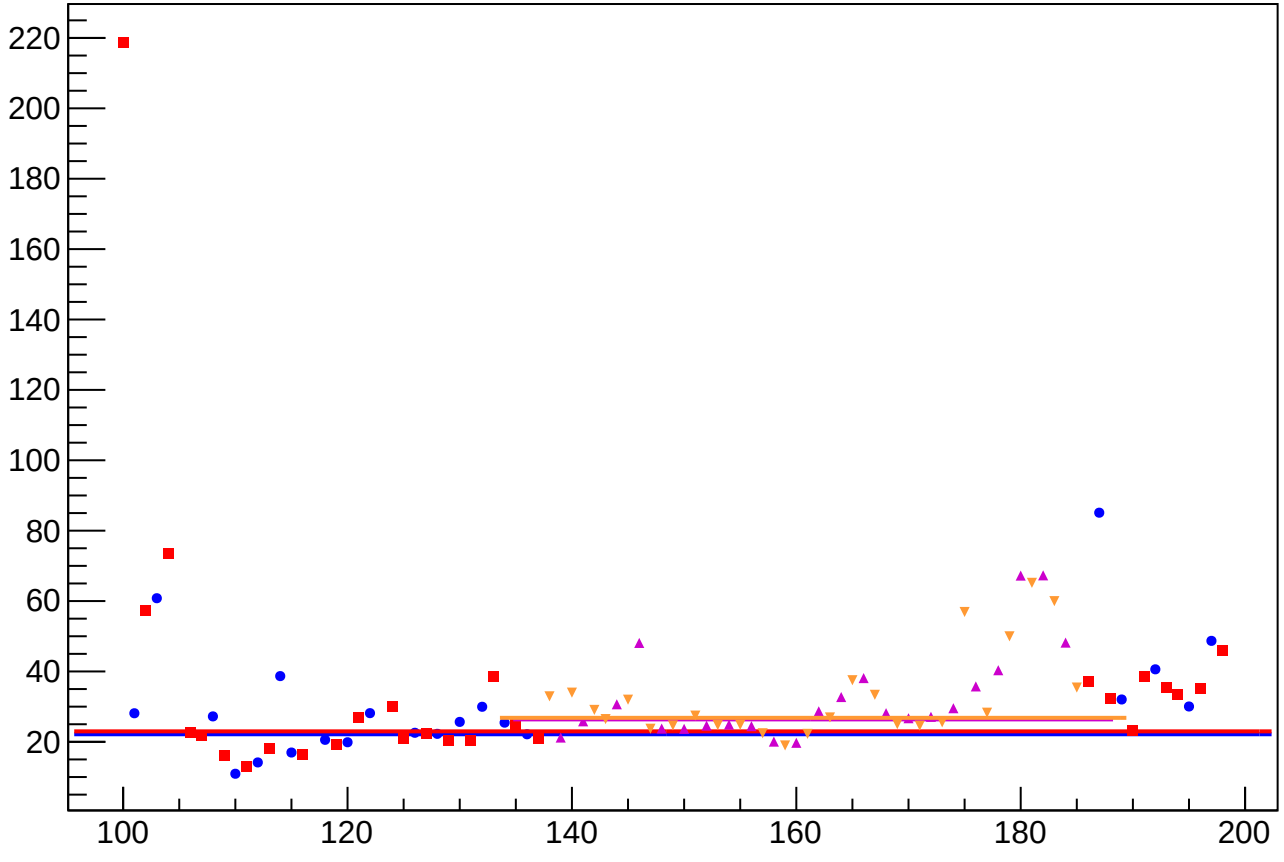
Right: 0.001+/-0.005 χ^2/NDF: 50.4/47

In: 0.005+/-0.005 χ^2/NDF:42.7/43

Out: -0.001+/-0.005 χ^2/NDF:68.4/51

All: 0.002+/-0.003 χ^2/NDF: 112.0/95

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.154+/-0.005 χ^2/NDF: 3029887.2/20

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 22.980+/-0.005 χ^2/NDF: 3262939.6/26

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

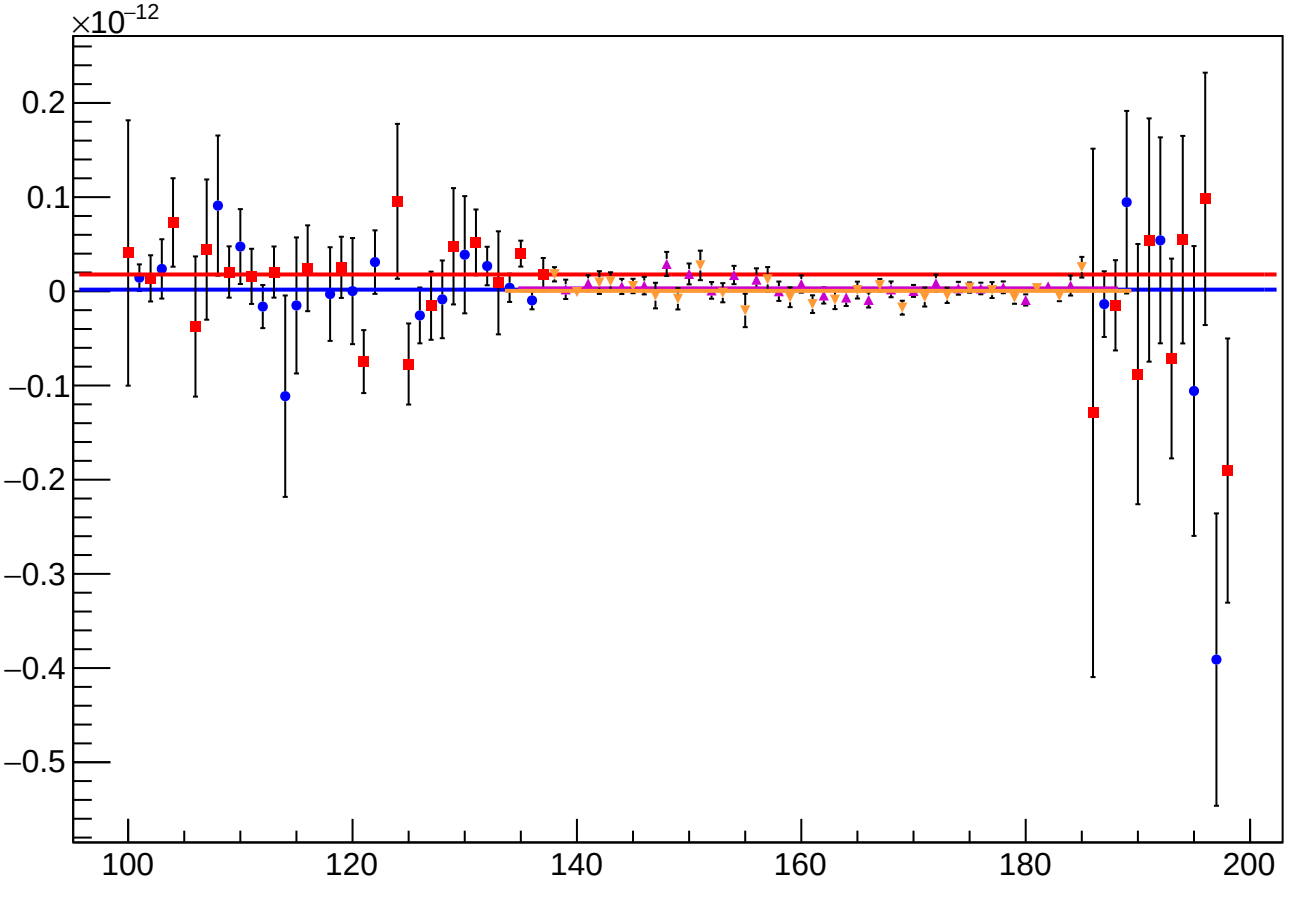
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 22.592+/-0.004 χ^2/NDF: 6305305.0/47

In: 24.564+/-0.004 χ^2/NDF:5947326.7/43

Out: 25.091+/-0.003 χ^2/NDF:6047799.4/51

All: 24.837+/-0.002 χ^2/NDF: 12006643.6/95



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/26

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

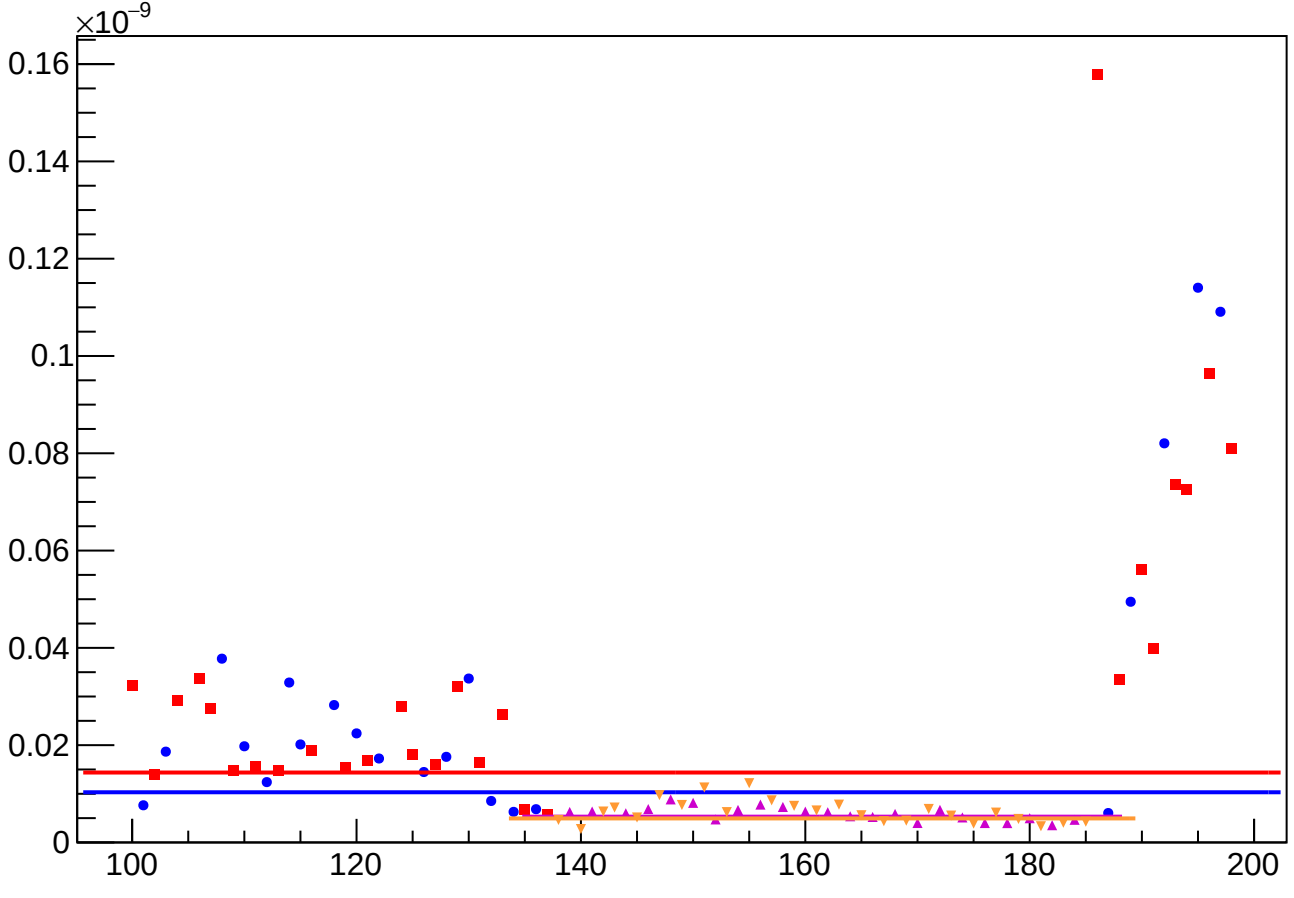
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 47.4/47

In: 0.000+/-0.000 χ^2/NDF:38.2/43

Out: 0.000+/-0.000 χ^2/NDF:63.7/51

All: 0.000+/-0.000 χ^2/NDF: 102.5/95



Right In: 0.000+/-0.000 χ^2/NDF: 4927598.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5387514.5/26

Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

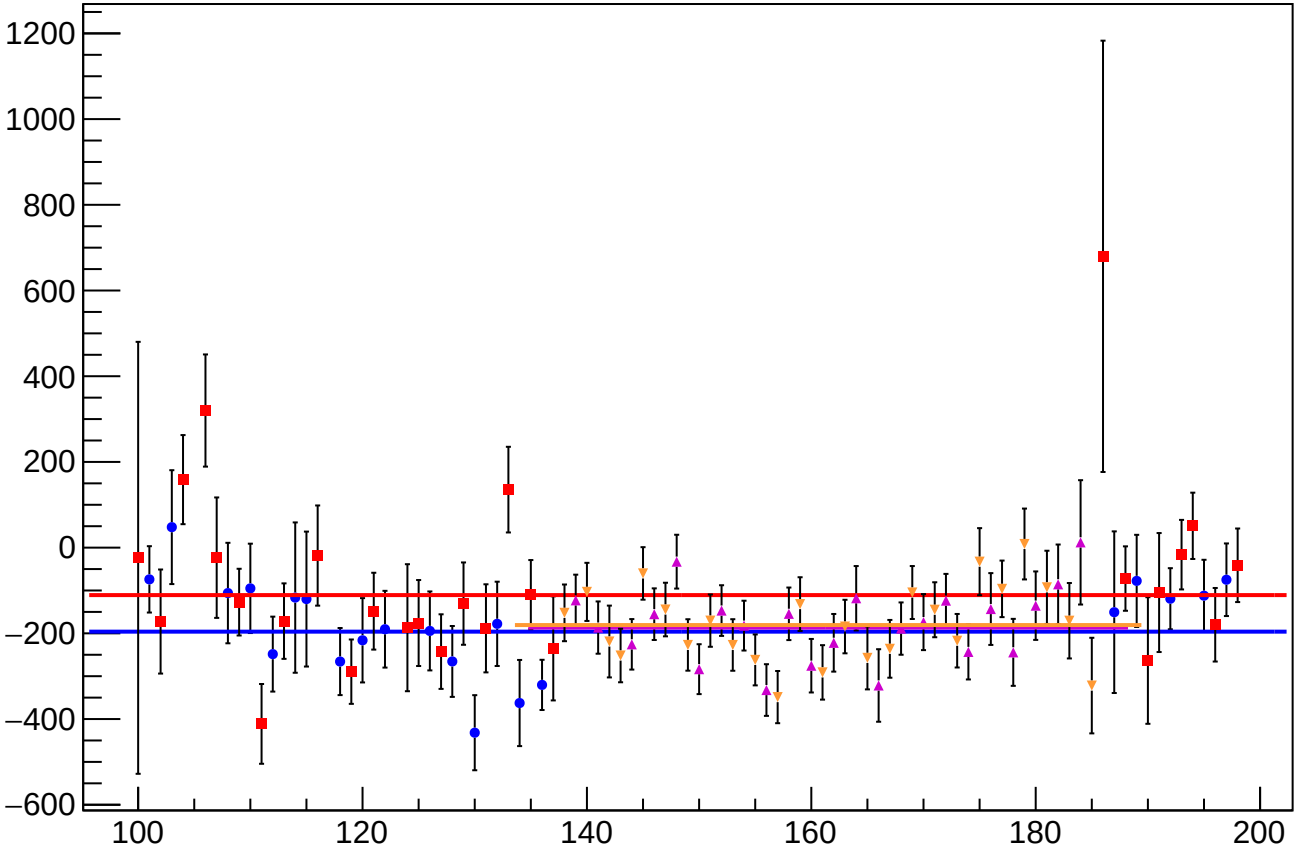
Right: 0.000+/-0.000 χ^2/NDF: 10730443.5/47

In: 0.000+/-0.000 χ^2/NDF:7640630.8/43

Out: 0.000+/-0.000 χ^2/NDF:11676109.4/51

All: 0.000+/-0.000 χ^2/NDF: 19355604.7/95

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -196.055+/-20.145 χ^2/NDF: 29.7/20

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: -110.752+/-19.145 χ^2/NDF: 57.2/26

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

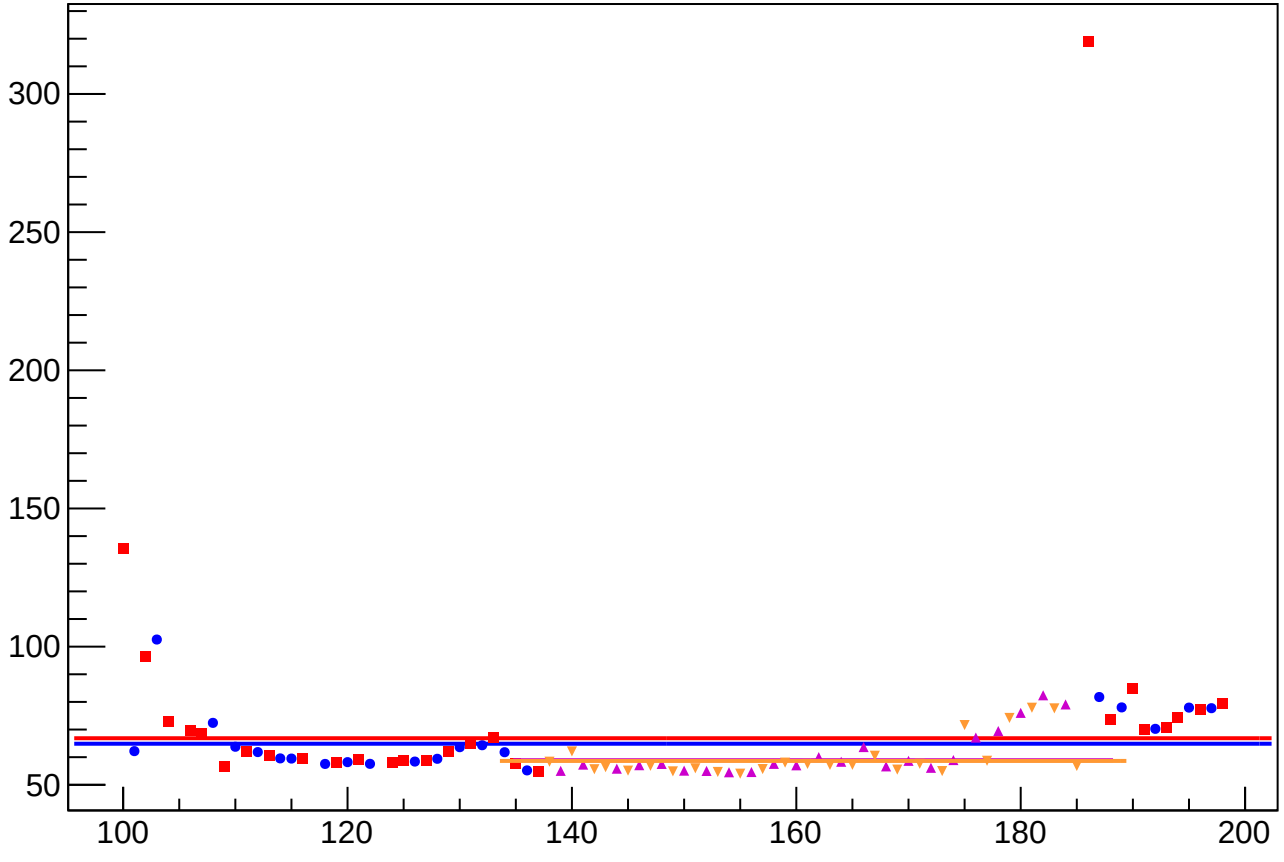
Right: -151.233+/-13.878 χ^2/NDF: 96.3/47

In: -189.615+/-11.418 χ^2/NDF:58.9/43

Out: -157.647+/-10.988 χ^2/NDF:104.7/51

All: -173.018+/-7.918 χ^2/NDF: 167.7/95

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 64.867+/-0.014 χ^2/NDF: 445580.2/20

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.854+/-0.014 χ^2/NDF: 996384.7/26

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

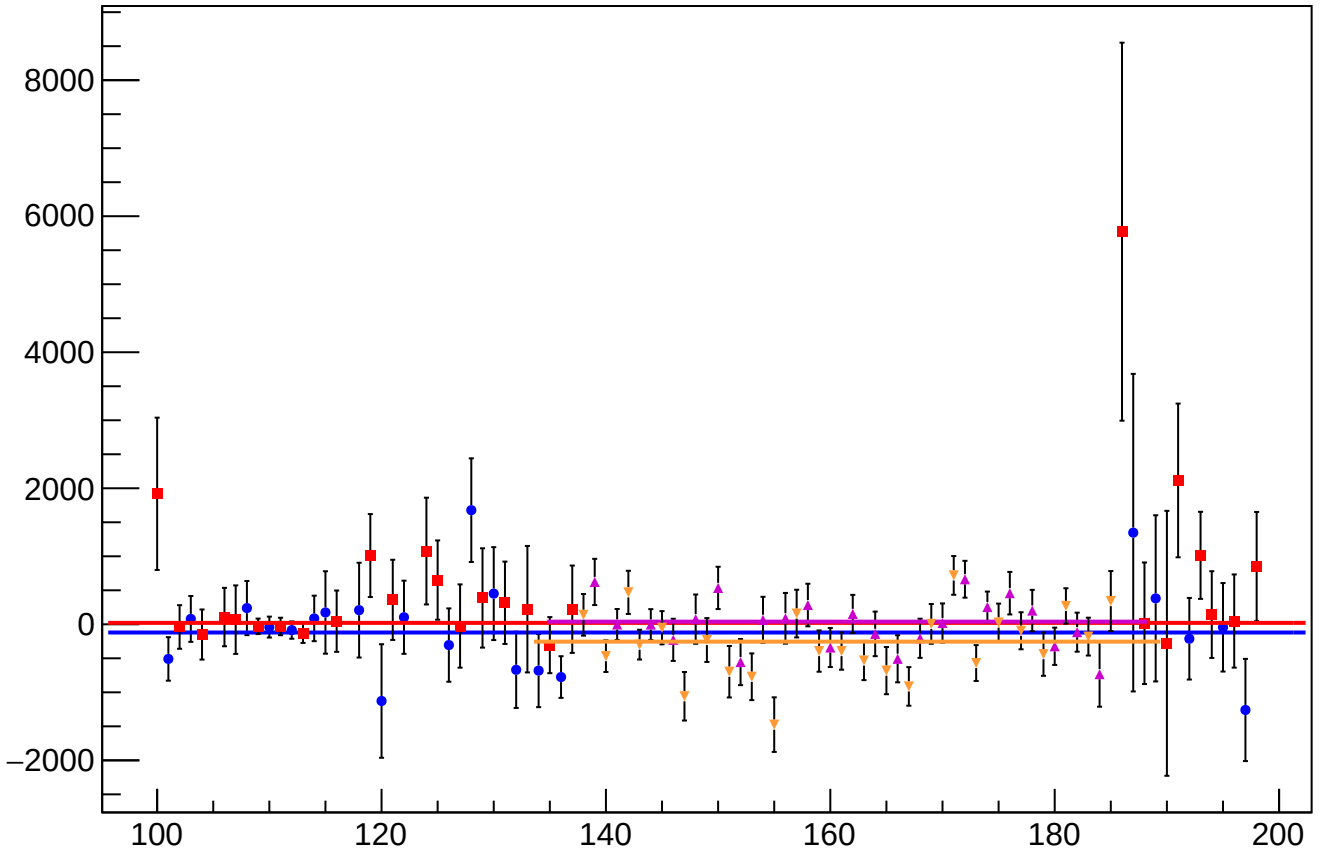
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 65.911+/-0.010 χ^2/NDF: 1452196.9/47

In: 60.821+/-0.008 χ^2/NDF:951234.8/43

Out: 61.349+/-0.008 χ^2/NDF:1636938.2/51

All: 61.095+/-0.006 χ^2/NDF: 2590389.9/95



Right In: -120.513+/-74.550 χ^2/NDF: 21.4/20

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: 21.111+/-62.541 χ^2/NDF: 23.1/26

Left In: 39.147+/-61.883 χ^2/NDF:28.3/22

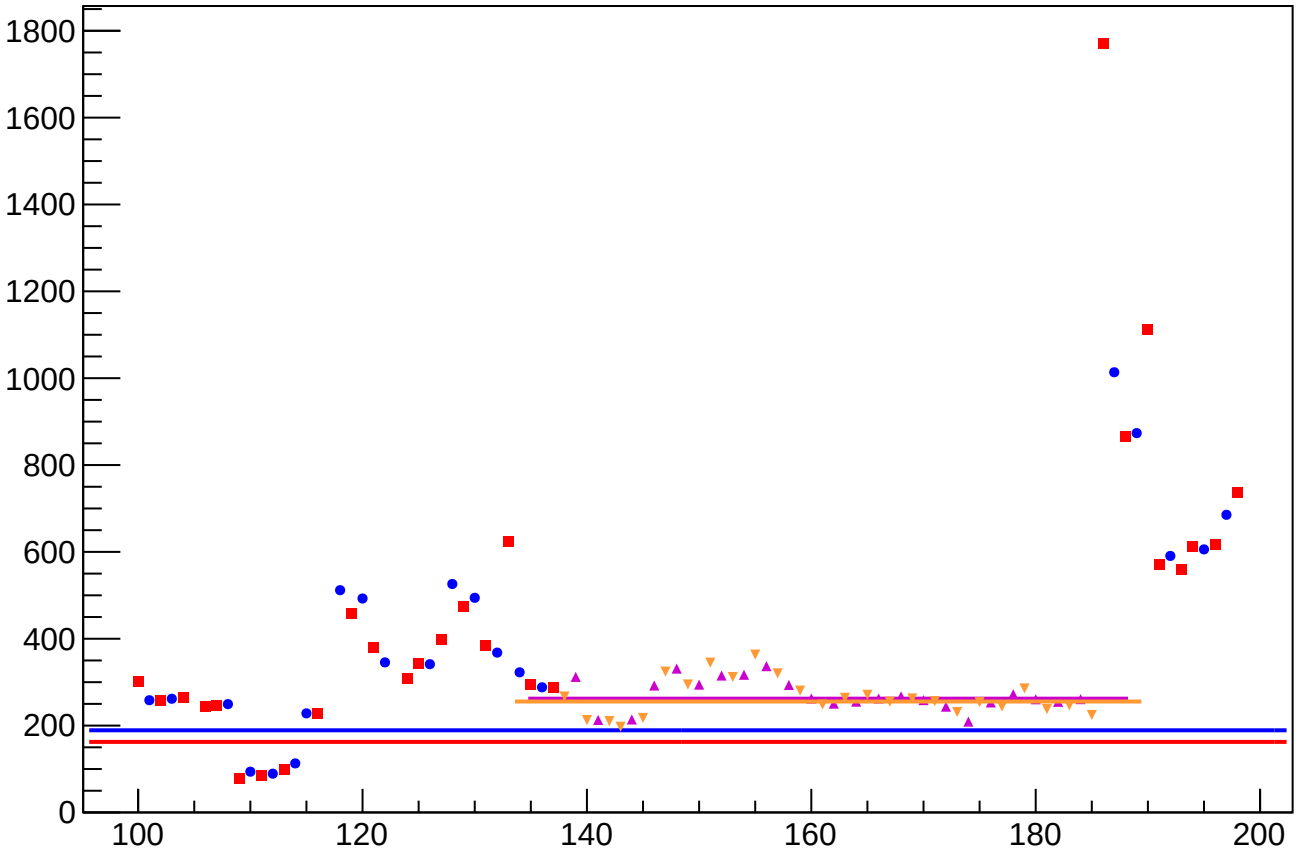
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -37.389+/-47.913 χ^2/NDF: 46.5/47

In: -25.987+/-47.616 χ^2/NDF:52.4/43

Out: -125.072+/-42.869 χ^2/NDF:91.0/51

All: -80.713+/-31.859 χ^2/NDF: 145.8/95



Right In: 189.176+/-0.053 χ^2/NDF: 8159517.2/20

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 162.468+/-0.044 χ^2/NDF: 11729687.4/26

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

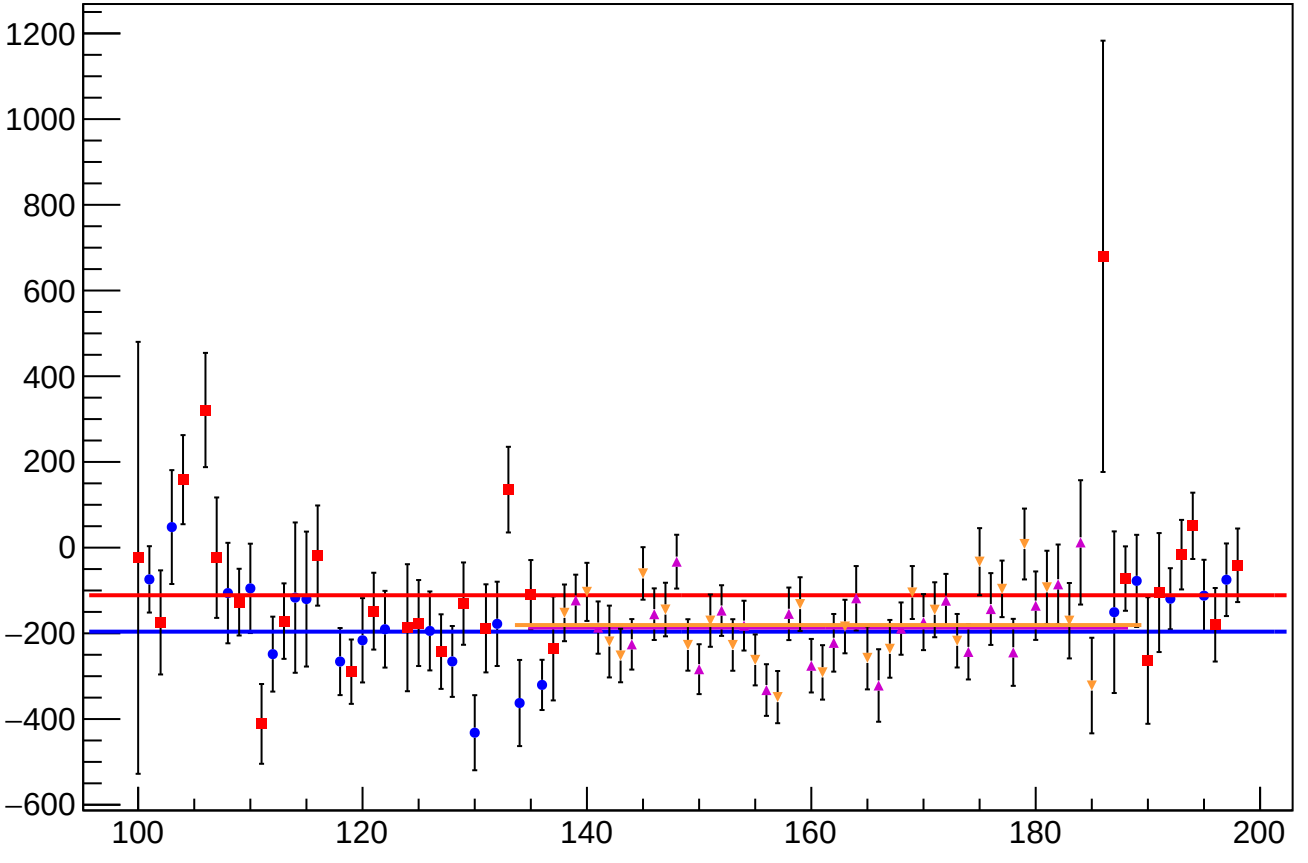
Right: 173.500+/-0.034 χ^2/NDF: 20039863.9/47

In: 232.296+/-0.034 χ^2/NDF:9960237.0/43

Out: 211.773+/-0.030 χ^2/NDF:14938212.9/51

All: 220.961+/-0.023 χ^2/NDF: 25103652.0/95

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -196.054+/-20.145 χ^2/NDF: 29.7/20

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -111.108+/-19.152 χ^2/NDF: 56.8/26

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

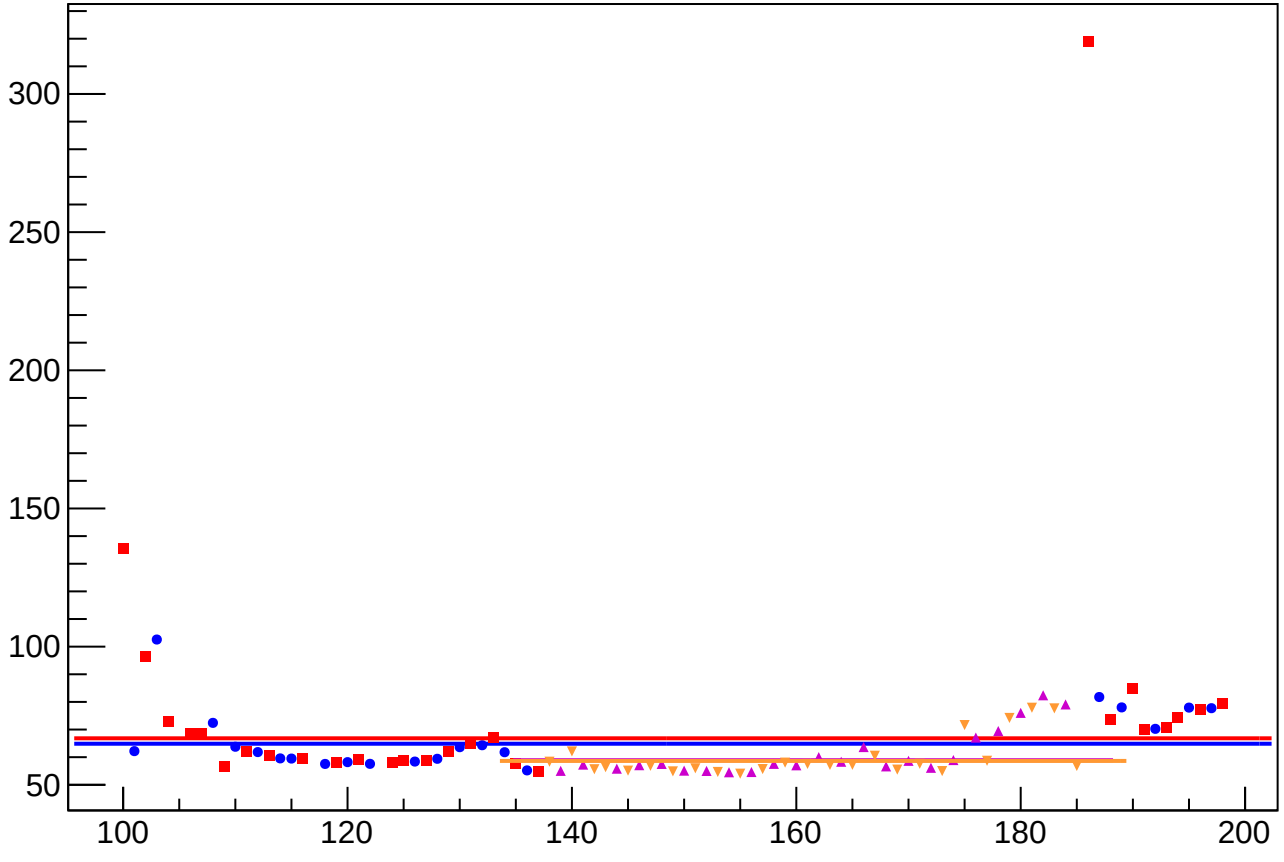
Right: -151.436+/-13.881 χ^2/NDF: 95.9/47

In: -189.615+/-11.418 χ^2/NDF:58.9/43

Out: -157.773+/-10.990 χ^2/NDF:104.3/51

All: -173.085+/-7.918 χ^2/NDF: 167.2/95

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 64.867+/-0.014 χ^2/NDF: 445582.6/20

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.829+/-0.014 χ^2/NDF: 995967.0/26

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

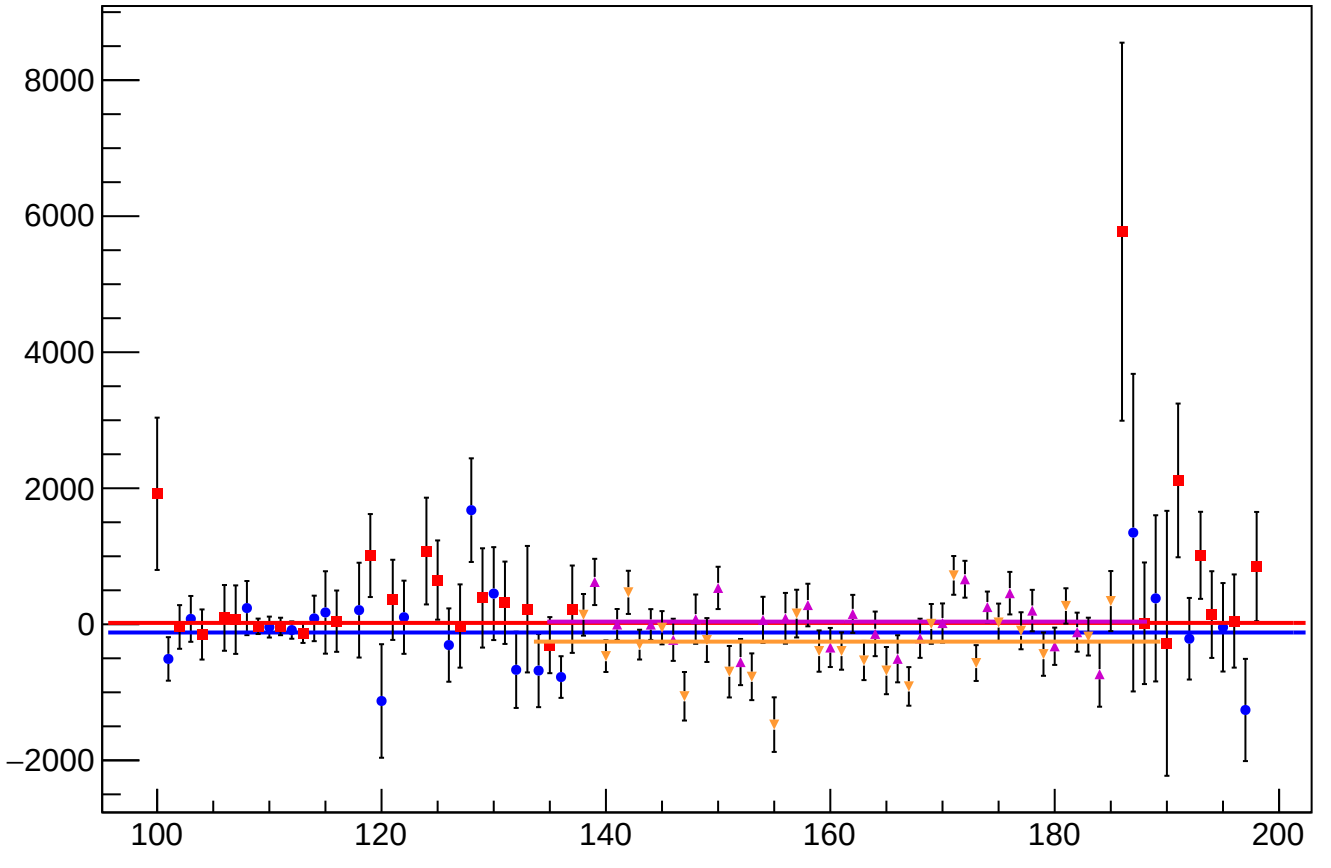
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 65.897+/-0.010 χ^2/NDF: 1451513.1/47

In: 60.821+/-0.008 χ^2/NDF:951237.4/43

Out: 61.339+/-0.008 χ^2/NDF:1634837.9/51

All: 61.090+/-0.006 χ^2/NDF: 2588208.9/95



Right In: -120.495+/-74.550 χ^2/NDF: 21.4/20

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 20.538+/-62.683 χ^2/NDF: 23.0/26

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

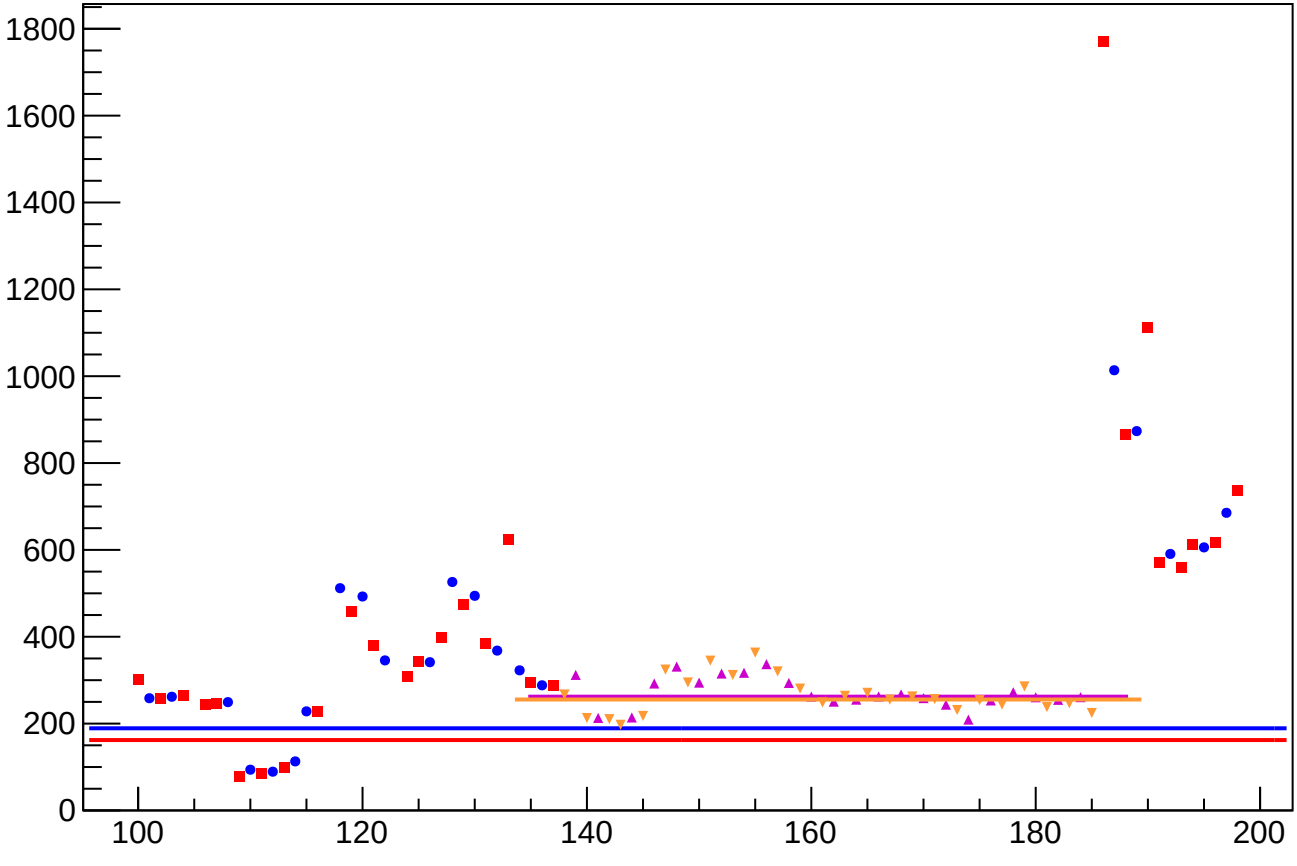
Right: -37.874+/-47.977 χ^2/NDF: 46.5/47

In: -25.981+/-47.616 χ^2/NDF:52.4/43

Out: -125.652+/-42.915 χ^2/NDF:90.9/51

All: -80.978+/-31.878 χ^2/NDF: 145.8/95

asym_sam8_cor_correction_rms vs Slug, Sign Corrected



Right In: 189.176+/-0.053 χ^2/NDF: 8159566.1/20

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 162.105+/-0.044 χ^2/NDF: 11715269.2/26

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

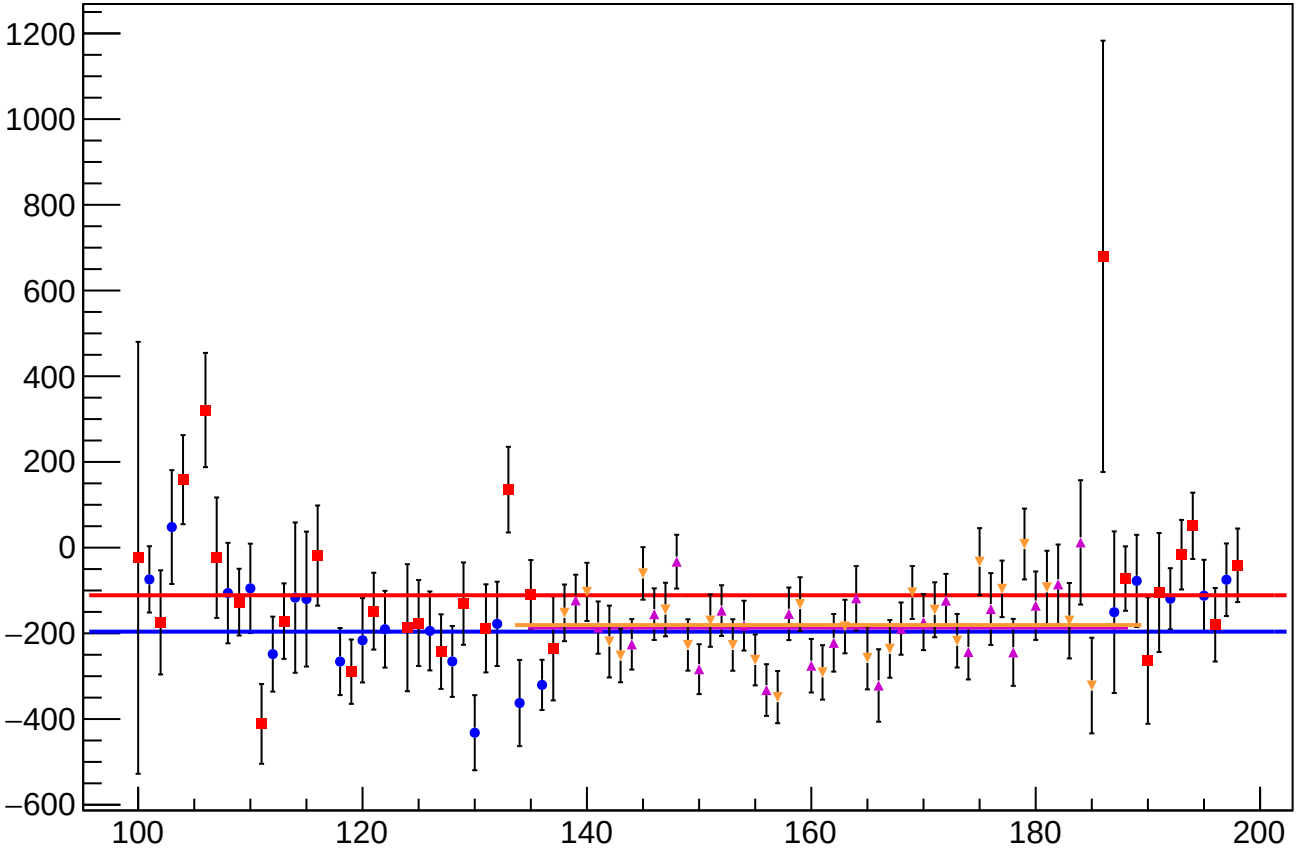
Right: 173.317+/-0.034 χ^2/NDF: 20029335.5/47

In: 232.296+/-0.034 χ^2/NDF:9960263.4/43

Out: 211.708+/-0.030 χ^2/NDF:14936447.9/51

All: 220.936+/-0.023 χ^2/NDF: 25103024.8/95

eigen_cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -196.054+/-20.145 χ^2/NDF: 29.7/20

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -111.108+/-19.152 χ^2/NDF: 56.8/26

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

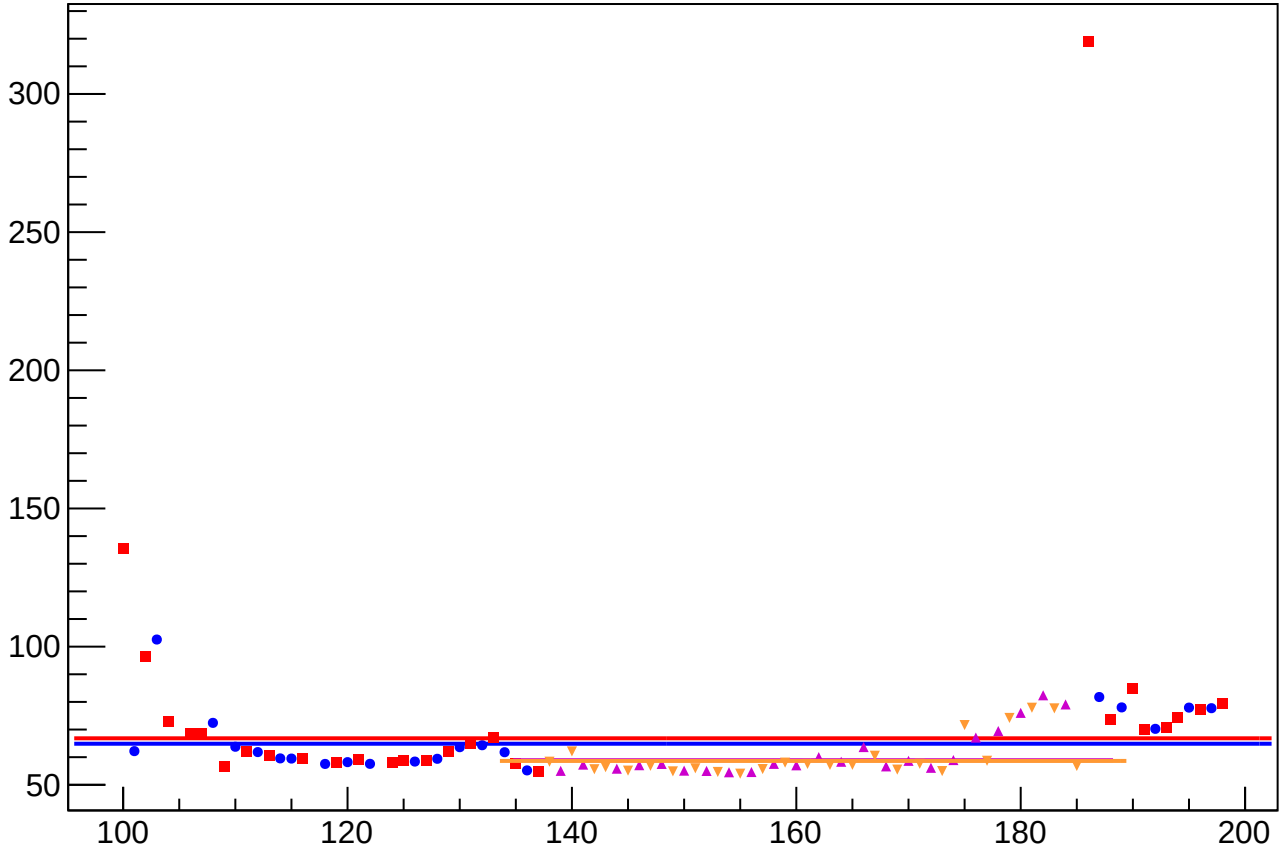
Right: -151.436+/-13.881 χ^2/NDF: 95.9/47

In: -189.615+/-11.418 χ^2/NDF:58.9/43

Out: -157.773+/-10.990 χ^2/NDF:104.3/51

All: -173.085+/-7.918 χ^2/NDF: 167.2/95

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 64.867+/-0.014 χ^2/NDF: 445582.6/20

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.829+/-0.014 χ^2/NDF: 995967.0/26

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

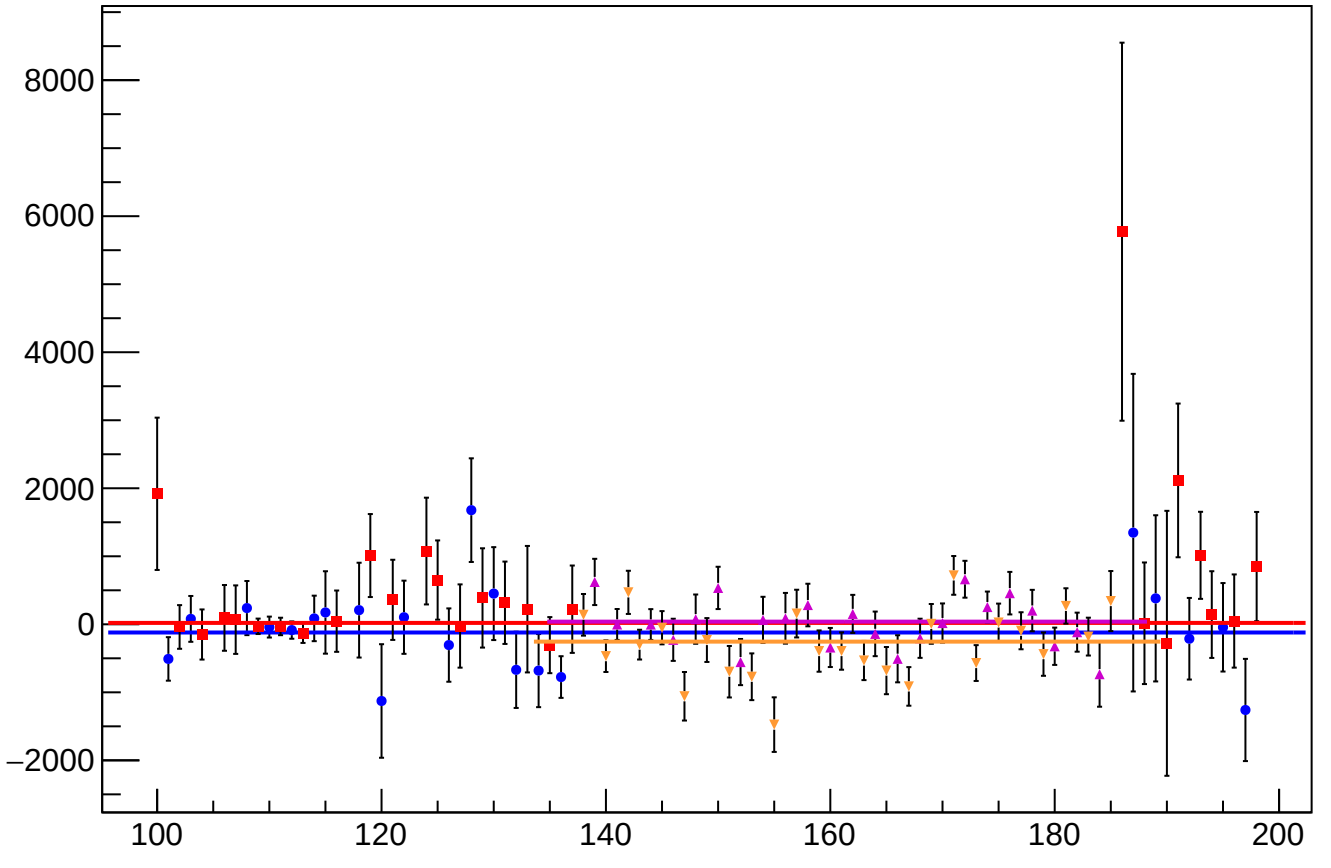
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 65.897+/-0.010 χ^2/NDF: 1451513.1/47

In: 60.821+/-0.008 χ^2/NDF:951237.4/43

Out: 61.339+/-0.008 χ^2/NDF:1634837.9/51

All: 61.090+/-0.006 χ^2/NDF: 2588208.9/95



Right In: -120.495+/-74.550 χ^2/NDF: 21.4/20

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 20.538+/-62.683 χ^2/NDF: 23.0/26

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

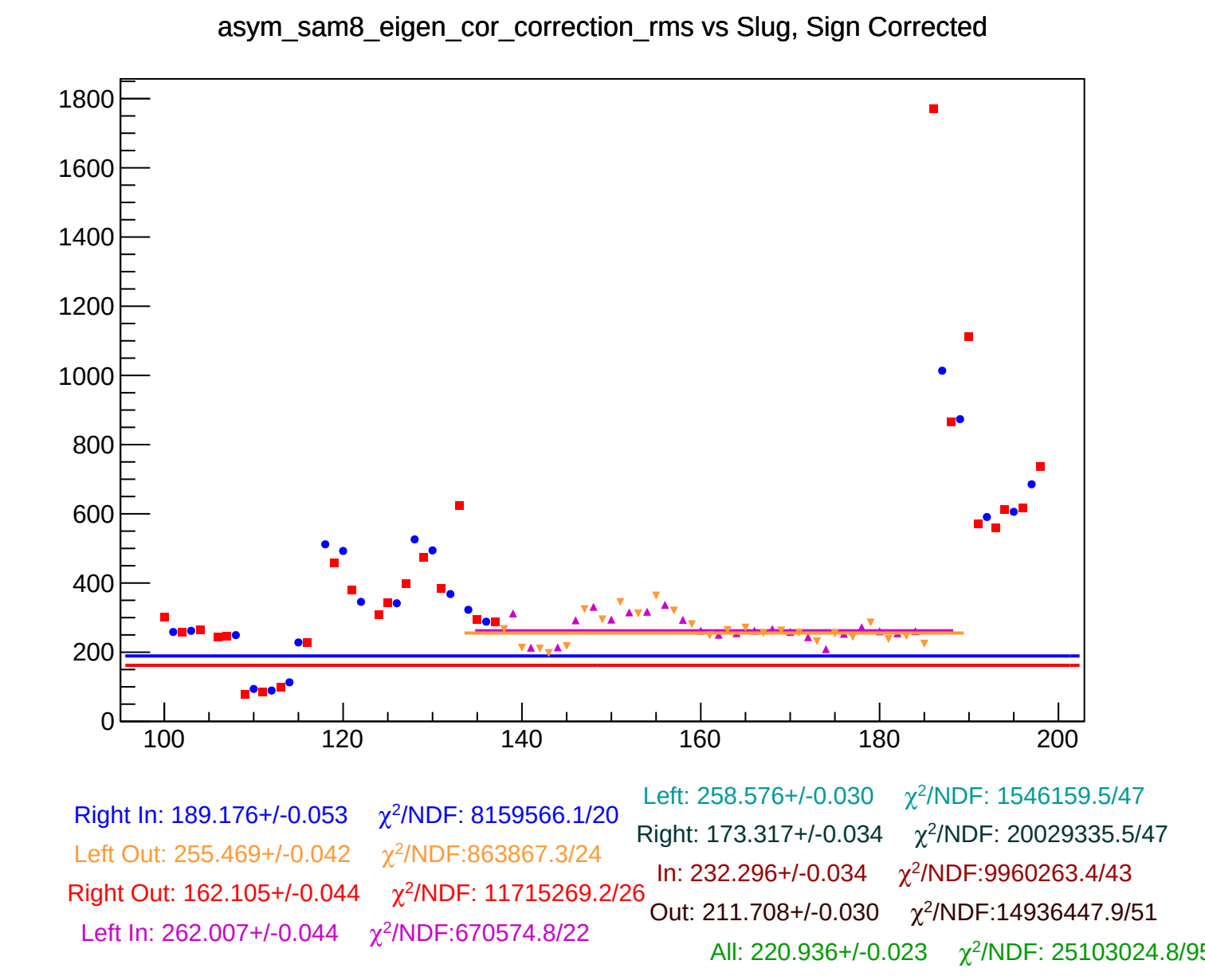
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -37.874+/-47.977 χ^2/NDF: 46.5/47

In: -25.981+/-47.616 χ^2/NDF:52.4/43

Out: -125.652+/-42.915 χ^2/NDF:90.9/51

All: -80.978+/-31.878 χ^2/NDF: 145.8/95


asym_sam8_eigen_cor_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
600
400
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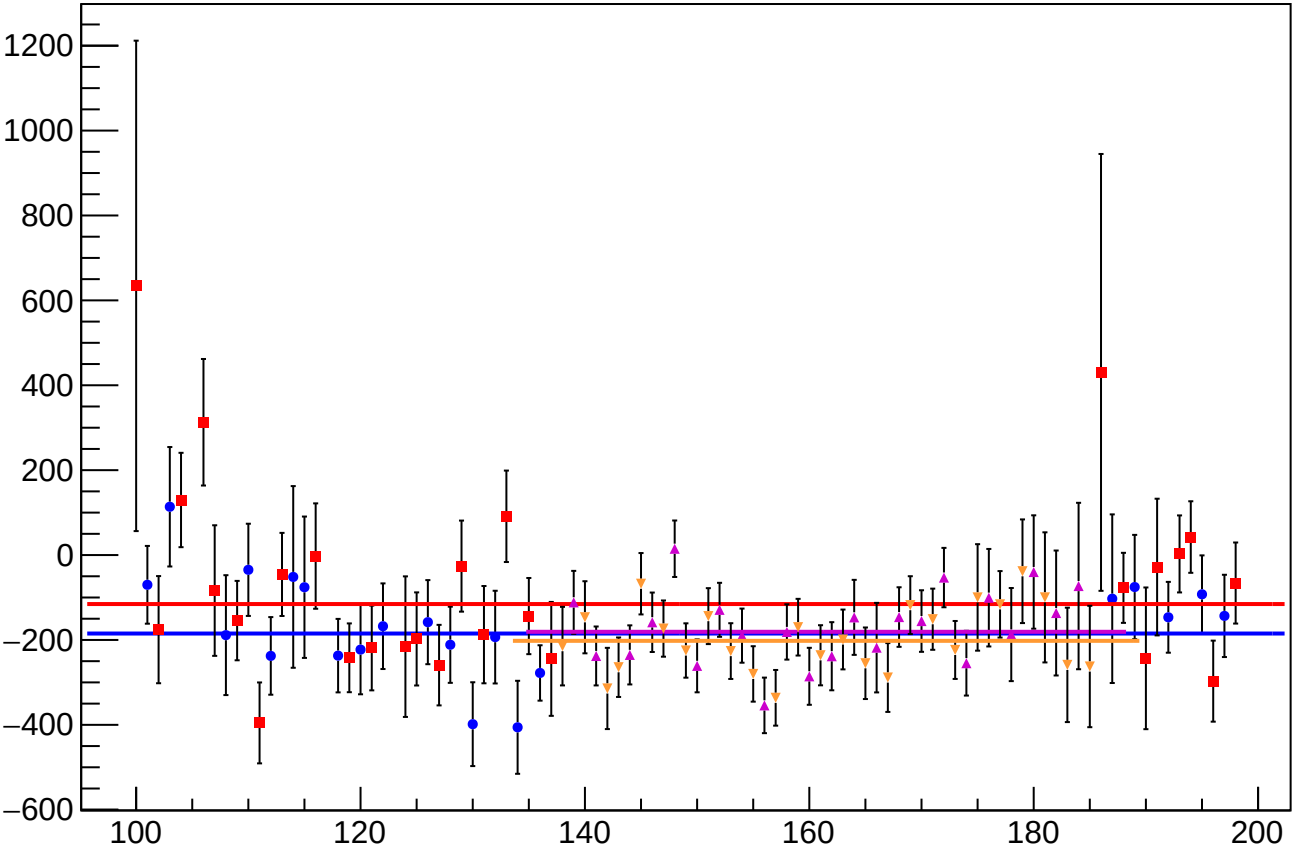
0
100
120
140
160
180
200
Right In: 189.176+/-0.053 χ²/NDF: 8159566.1/20
Left Out: 255.469+/-0.042 χ²/NDF:863867.3/24
Right Out: 162.105+/-0.044 χ²/NDF: 11715269.2/26
Left In: 262.007+/-0.044 χ²/NDF:670574.8/22
Left: 258.576+/-0.030 χ²/NDF: 1546159.5/47
Right: 173.317+/-0.034 χ²/NDF: 20029335.5/47
In: 232.296+/-0.034 χ²/NDF:9960263.4/43
Out: 211.708+/-0.030 χ²/NDF:14936447.9/51
All: 220.936+/-0.023 χ²/NDF: 25103024.8/95

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -184.870+/-22.384 χ^2/NDF: 23.0/20

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -115.415+/-21.098 χ^2/NDF: 49.1/26

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

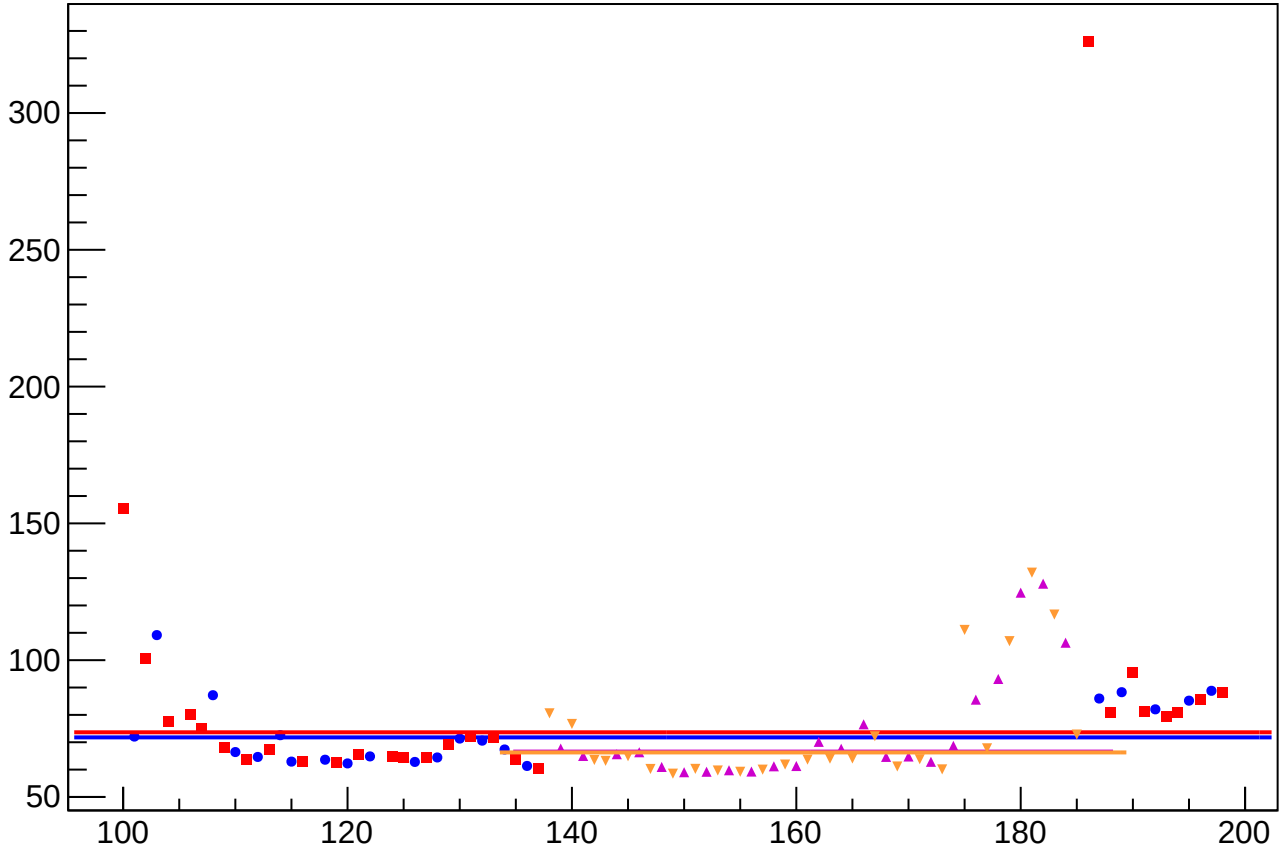
Right: -148.089+/-15.353 χ^2/NDF: 77.1/47

In: -182.168+/-13.027 χ^2/NDF:53.1/43

Out: -171.610+/-12.511 χ^2/NDF:81.5/51

All: -176.676+/-9.023 χ^2/NDF: 135.0/95

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 71.776+/-0.016 χ^2/NDF: 497215.1/20

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 73.637+/-0.015 χ^2/NDF: 961994.0/26

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

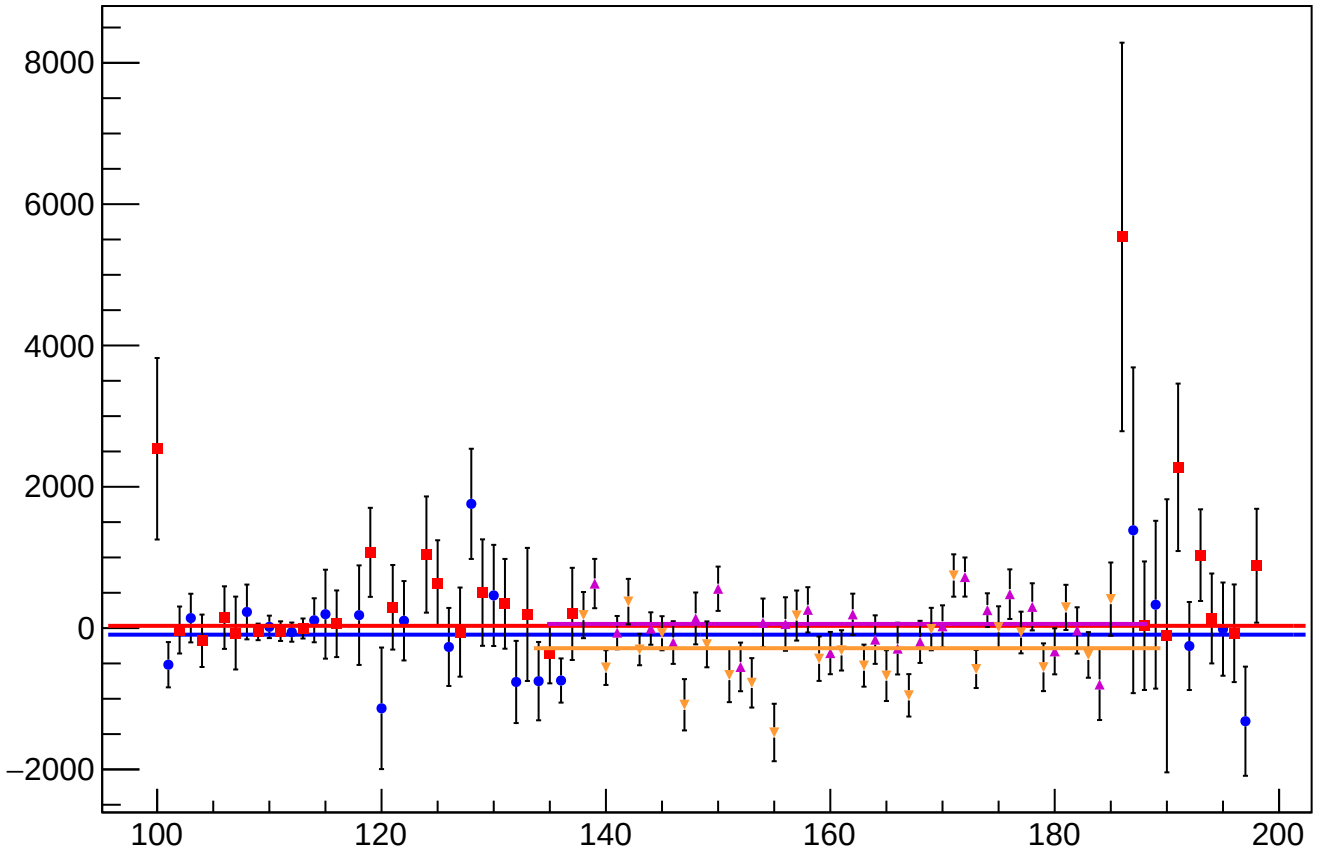
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 72.761+/-0.011 χ^2/NDF: 1466526.9/47

In: 68.343+/-0.009 χ^2/NDF:1726578.7/43

Out: 68.866+/-0.009 χ^2/NDF:2513586.4/51

All: 68.615+/-0.006 χ^2/NDF: 4241842.3/95



Right In: -92.791+/-76.923 χ^2/NDF: 22.4/20

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 32.197+/-64.416 χ^2/NDF: 23.3/26

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

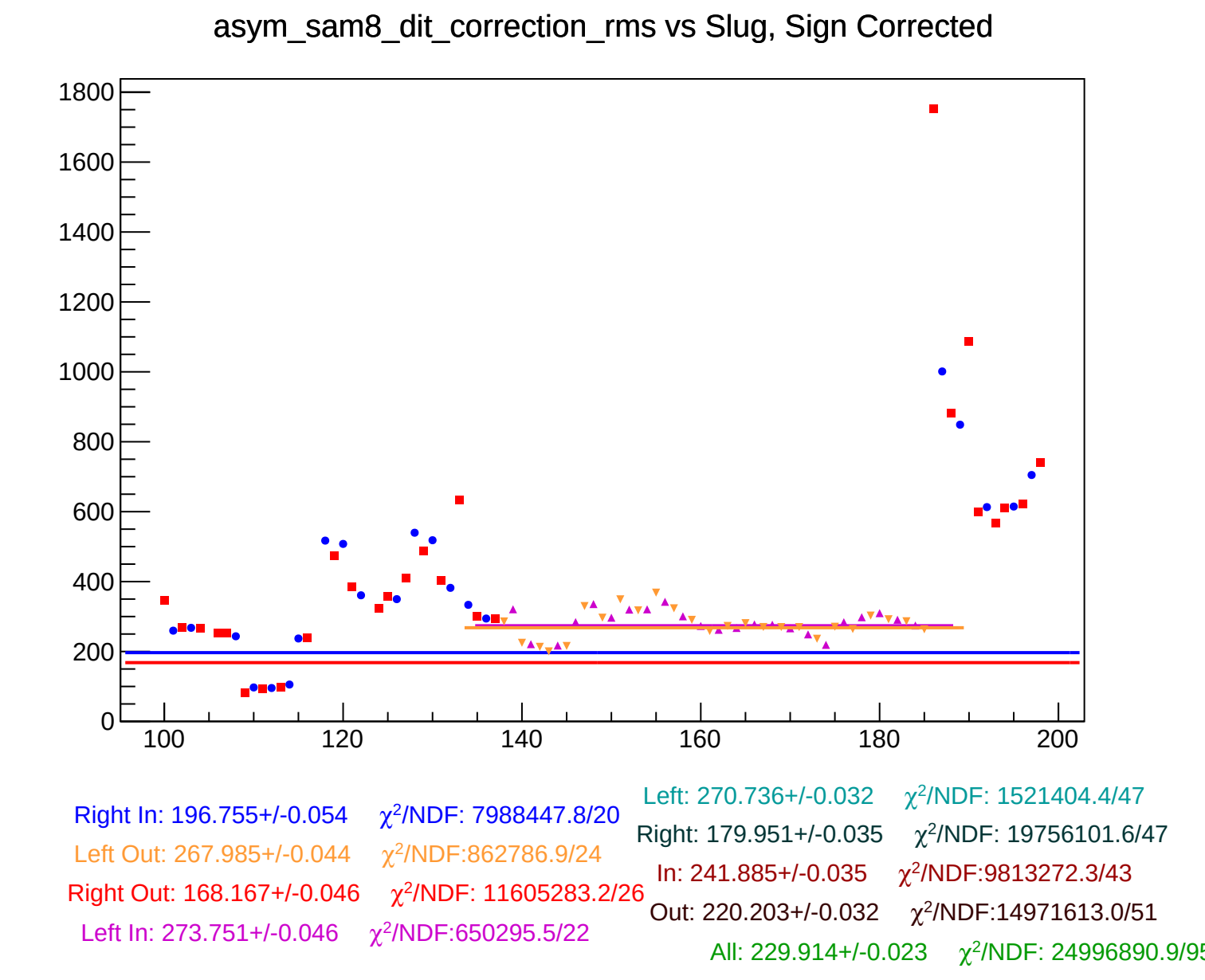
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -19.323+/-49.387 χ^2/NDF: 47.3/47

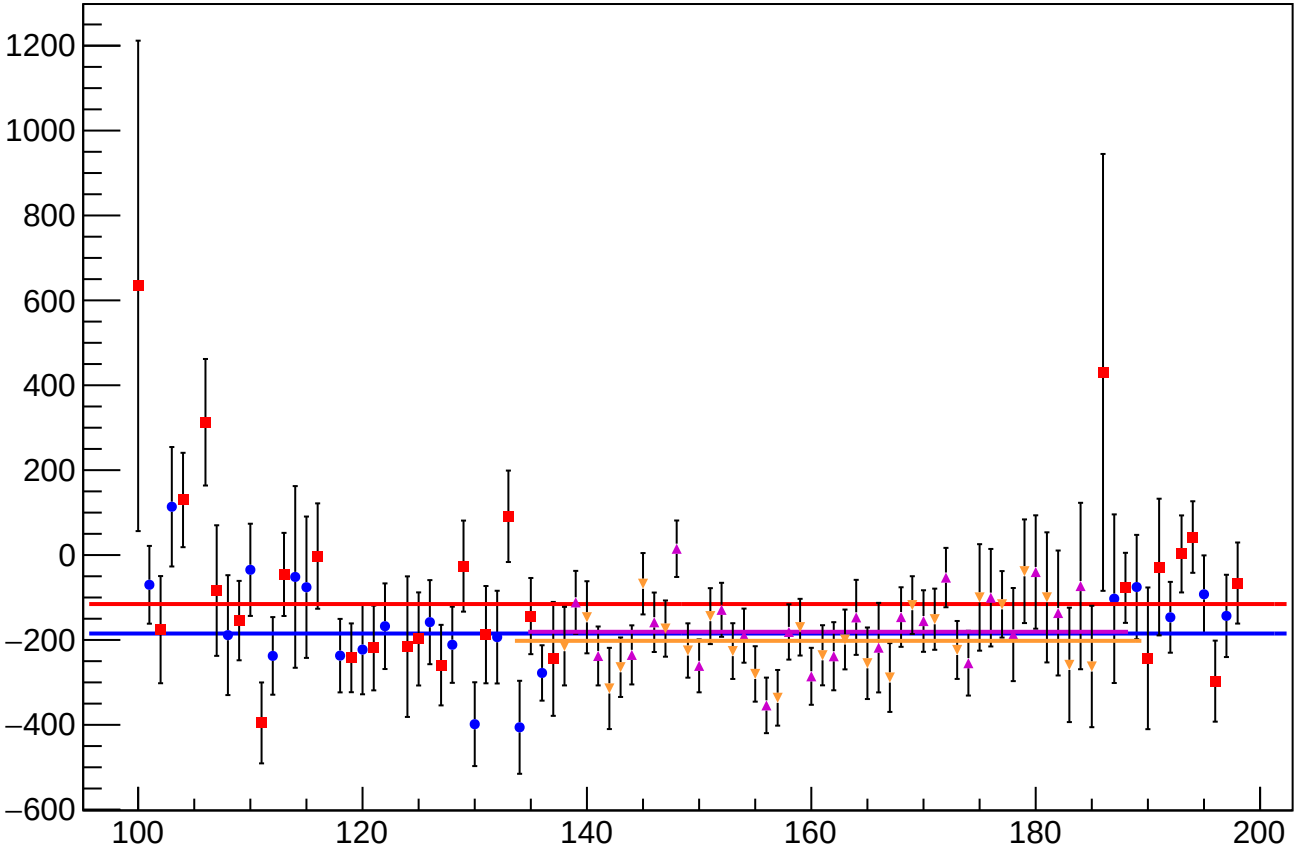
In: -3.726+/-49.486 χ^2/NDF:51.5/43

Out: -132.873+/-44.568 χ^2/NDF:90.6/51

All: -75.033+/-33.117 χ^2/NDF: 145.8/95


asym_sam8_dit_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
600
400
200
0
100
120
140
160
180
200
Right In: 196.755+/-0.054 χ²/NDF: 7988447.8/20
Left Out: 267.985+/-0.044 χ²/NDF:862786.9/24
Right Out: 168.167+/-0.046 χ²/NDF: 11605283.2/26
Left In: 273.751+/-0.046 χ²/NDF:650295.5/22
Left: 270.736+/-0.032 χ²/NDF: 1521404.4/47
Right: 179.951+/-0.035 χ²/NDF: 19756101.6/47
In: 241.885+/-0.035 χ²/NDF:9813272.3/43
Out: 220.203+/-0.032 χ²/NDF:14971613.0/51
All: 229.914+/-0.023 χ²/NDF: 24996890.9/95

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -184.870+/-22.384 χ^2/NDF: 23.0/20

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -115.416+/-21.097 χ^2/NDF: 49.1/26

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

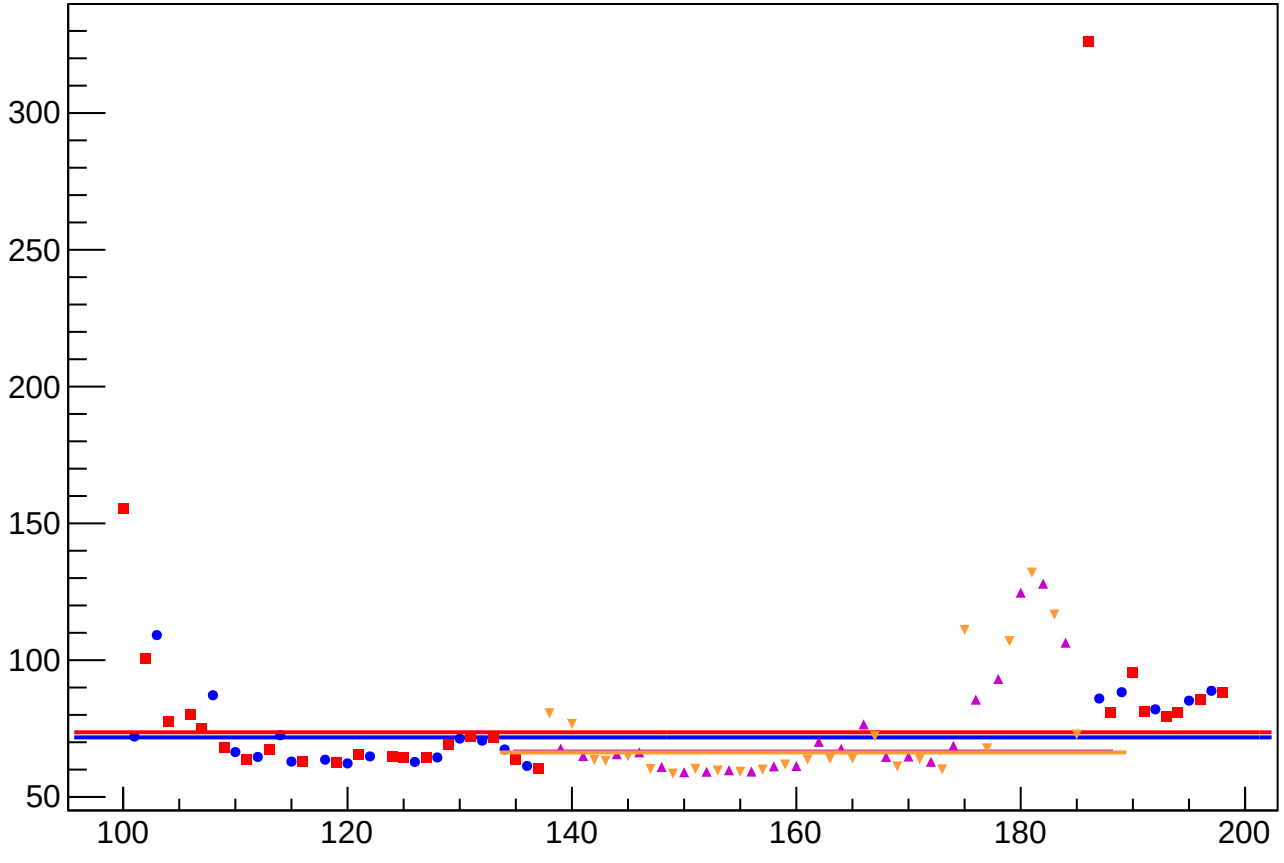
Right: -148.089+/-15.353 χ^2/NDF: 77.1/47

In: -182.168+/-13.027 χ^2/NDF:53.1/43

Out: -171.610+/-12.511 χ^2/NDF:81.5/51

All: -176.676+/-9.023 χ^2/NDF: 135.0/95

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 71.776+/-0.016 χ^2/NDF: 497217.3/20

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 73.637+/-0.015 χ^2/NDF: 961998.1/26

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

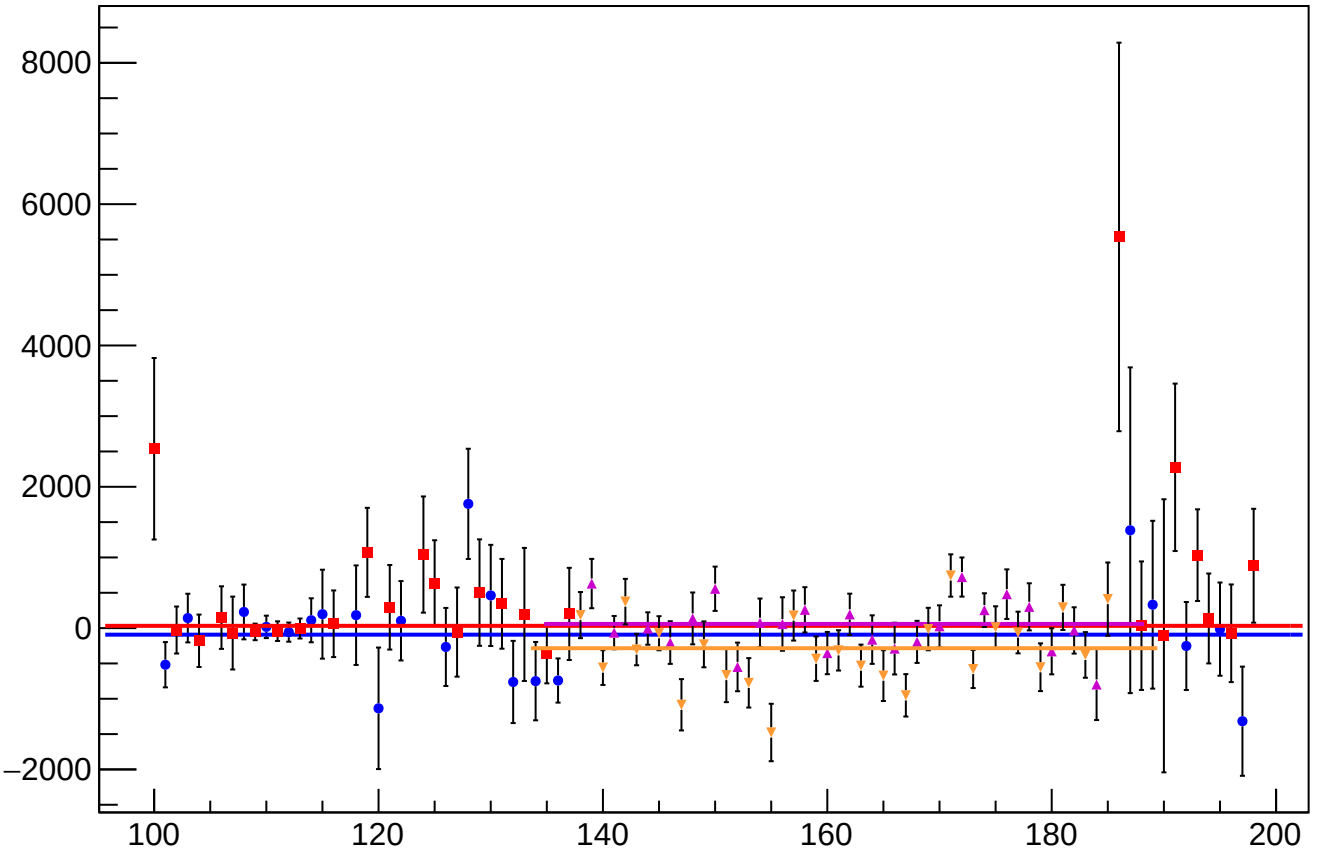
Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

Right: 72.761+/-0.011 χ^2/NDF: 1466532.9/47

In: 68.343+/-0.009 χ^2/NDF:1726568.9/43

Out: 68.866+/-0.009 χ^2/NDF:2513583.2/51

All: 68.615+/-0.006 χ^2/NDF: 4241829.1/95



Right In: -92.789+/-76.922 χ^2/NDF: 22.4/20

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 32.195+/-64.416 χ^2/NDF: 23.3/26

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

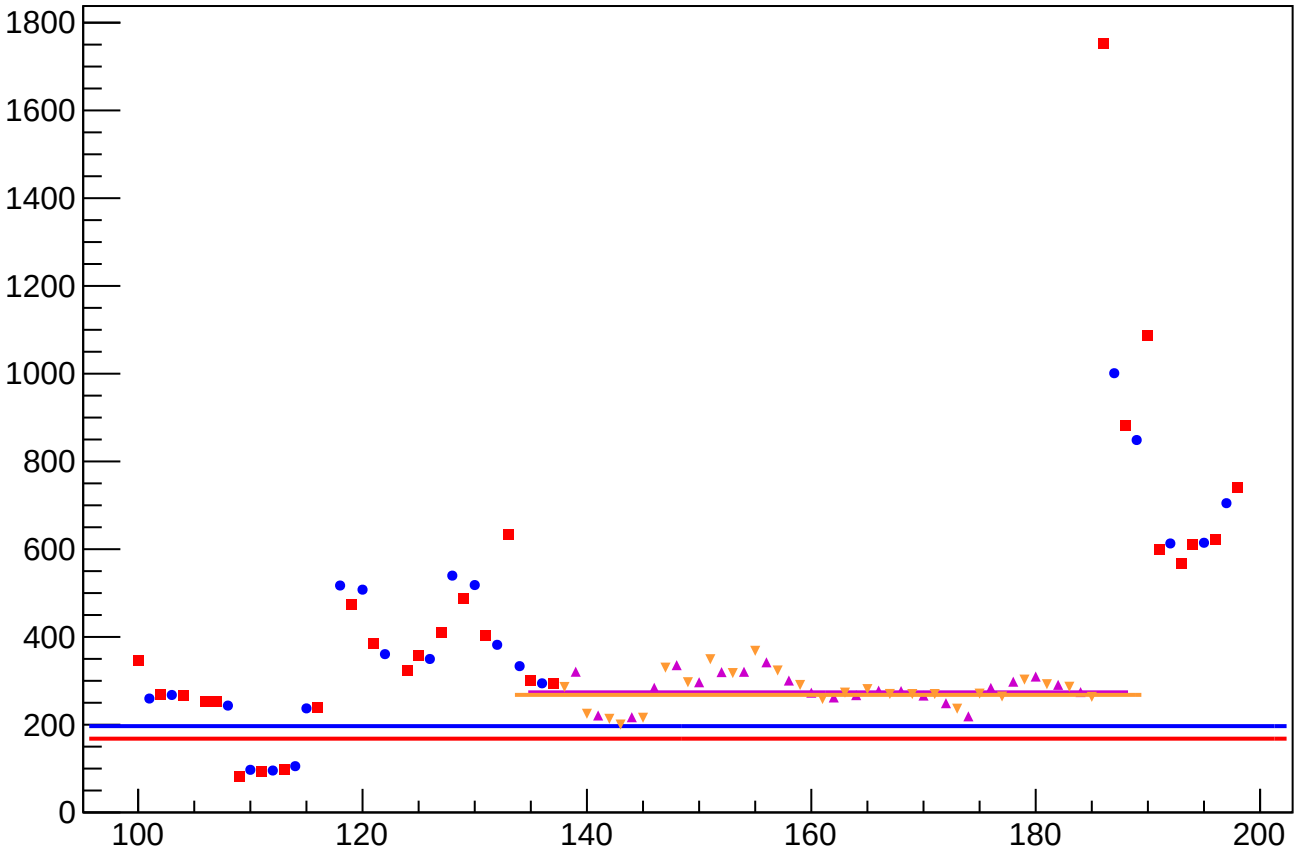
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -19.324+/-49.386 χ^2/NDF: 47.3/47

In: -3.725+/-49.485 χ^2/NDF:51.5/43

Out: -132.873+/-44.568 χ^2/NDF:90.6/51

All: -75.033+/-33.117 χ^2/NDF: 145.8/95



Right In: 196.753+/-0.054 χ^2/NDF: 7988484.7/20

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 168.167+/-0.046 χ^2/NDF: 11605263.6/26

Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

Left: 270.735+/-0.032 χ^2/NDF: 1521420.2/47

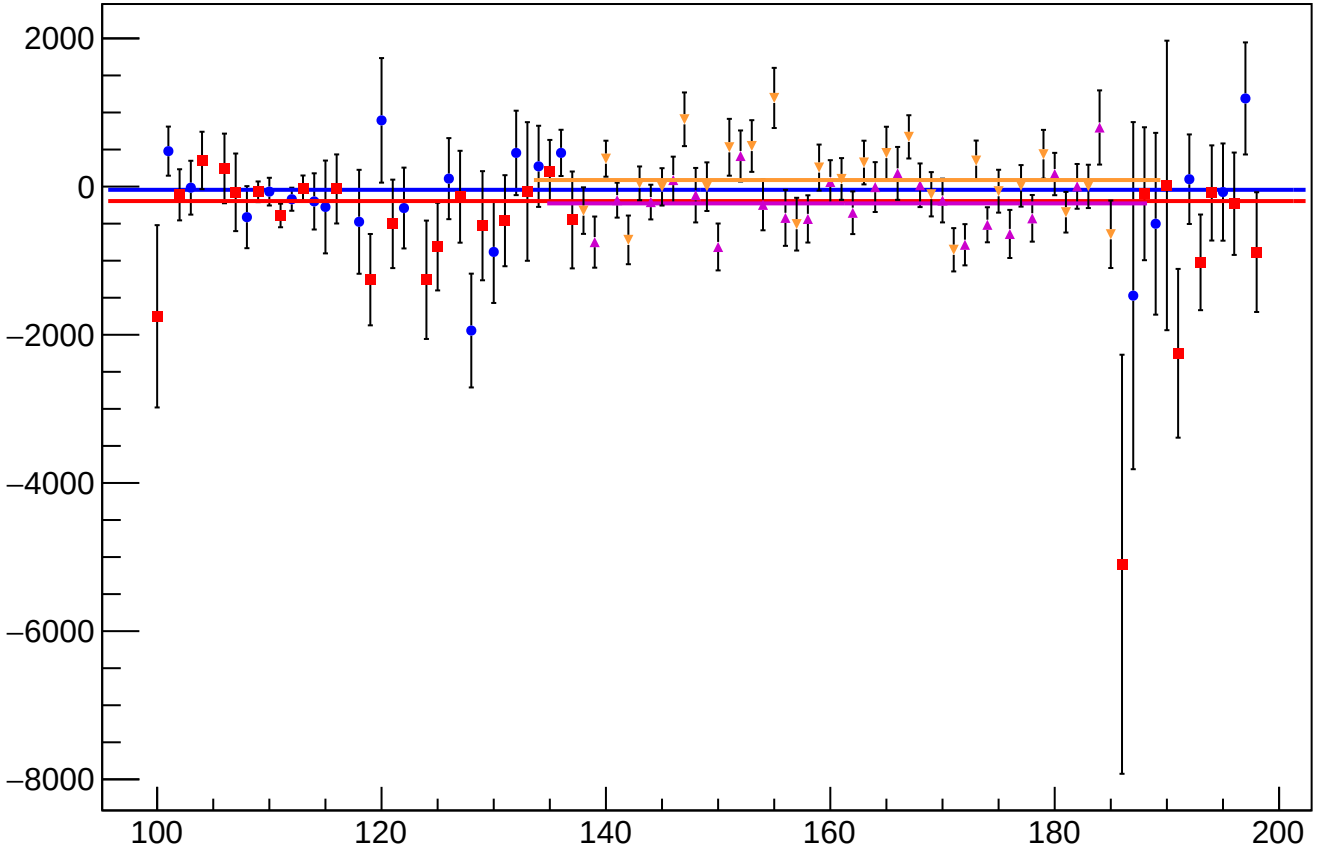
Right: 179.950+/-0.035 χ^2/NDF: 19756107.1/47

In: 241.884+/-0.035 χ^2/NDF:9813345.2/43

Out: 220.202+/-0.032 χ^2/NDF:14971589.6/51

All: 229.913+/-0.023 χ^2/NDF: 24996929.2/95

asym_sam8_mean vs Slug, Sign Corrected



Right In: -43.534+/-84.483 χ^2/NDF: 20.6/20

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: -195.417+/-72.442 χ^2/NDF: 24.3/26

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

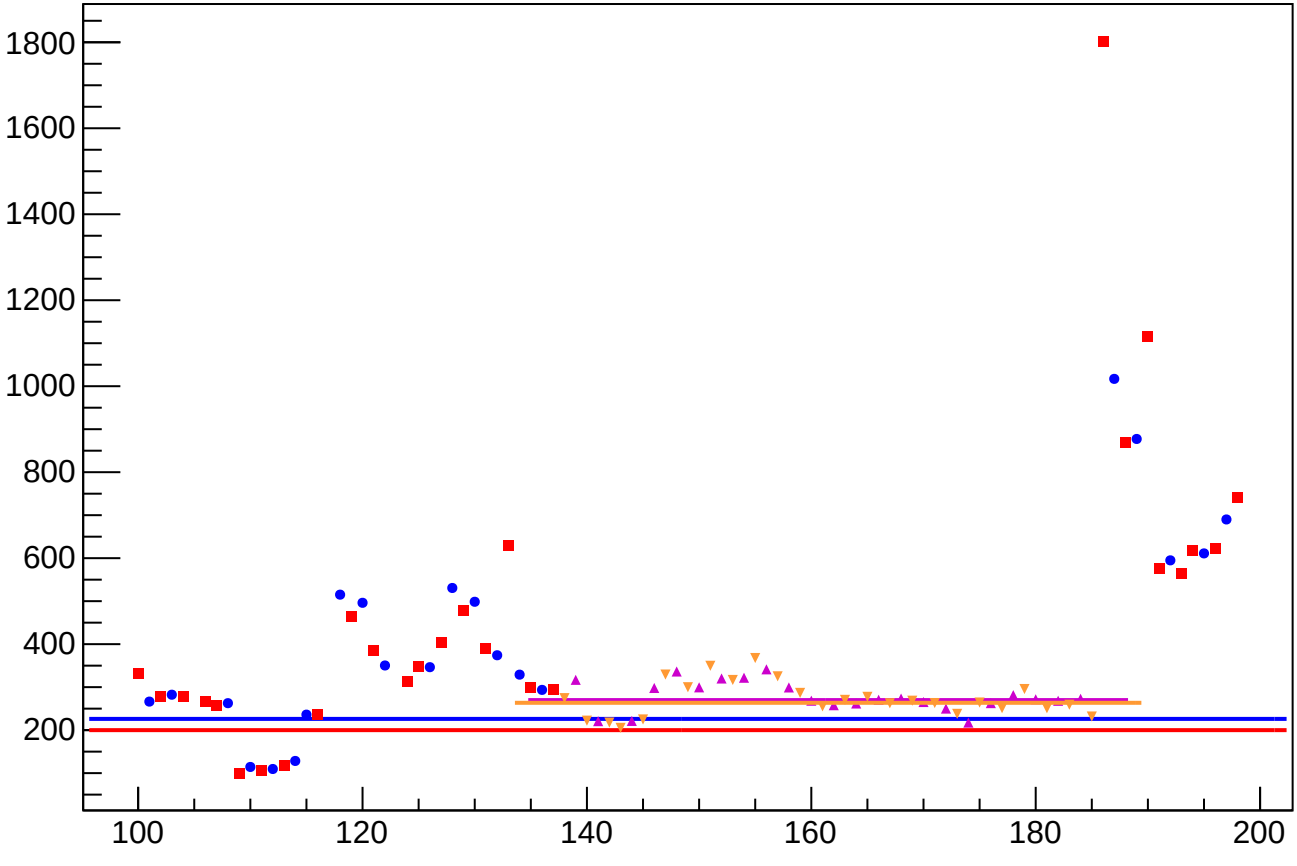
Right: -131.062+/-54.993 χ^2/NDF: 46.8/47

In: -160.448+/-50.850 χ^2/NDF:52.5/43

Out: -28.596+/-46.511 χ^2/NDF:85.5/51

All: -88.657+/-34.320 χ^2/NDF: 141.7/95

asym_sam8_rms vs Slug, Sign Corrected



Right In: 226.156+/-0.060 χ^2/NDF: 6713220.2/20

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 199.983+/-0.051 χ^2/NDF: 10030401.1/26

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

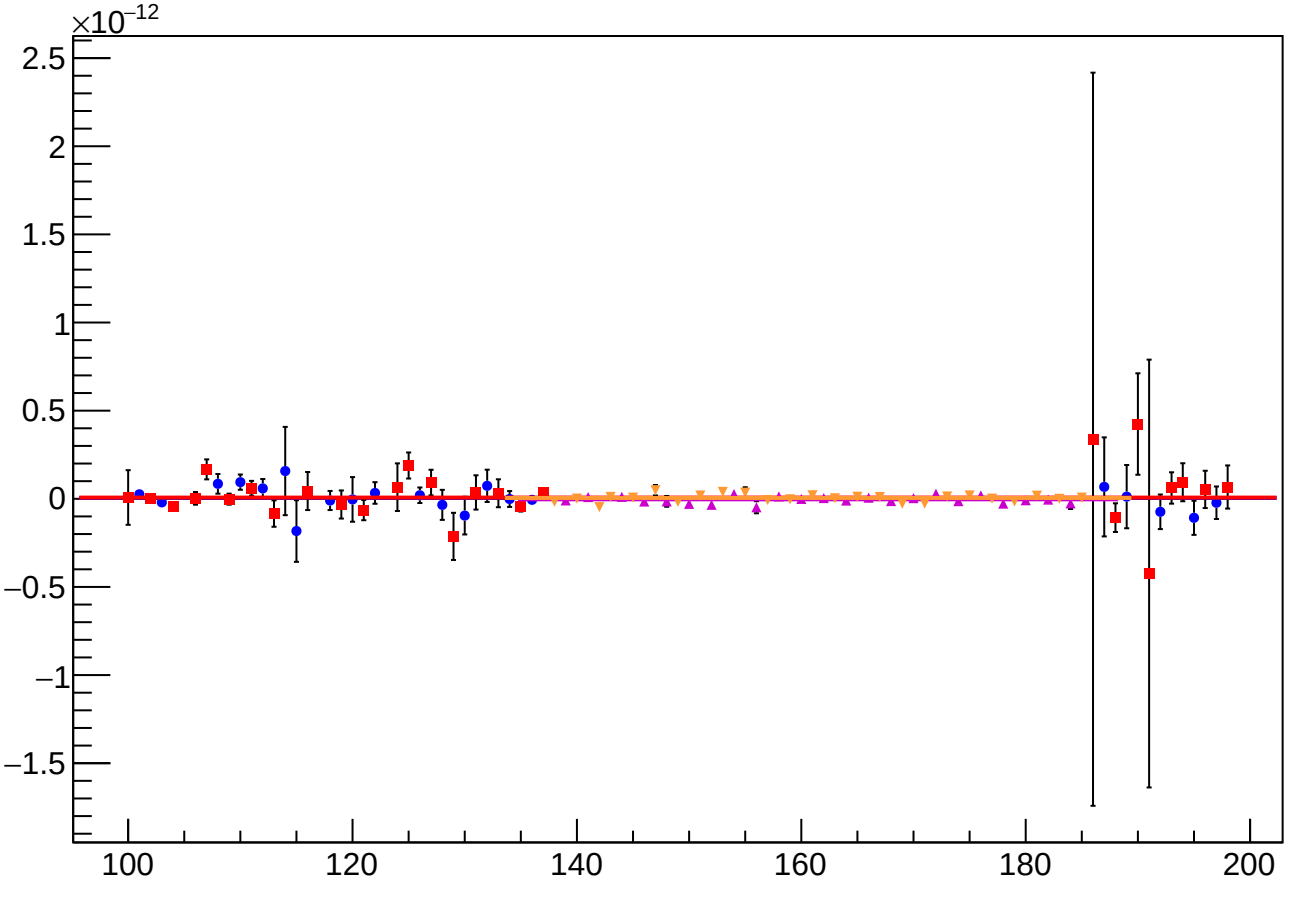
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 211.073+/-0.039 χ^2/NDF: 16854244.3/47

In: 254.051+/-0.036 χ^2/NDF:7657368.3/43

Out: 237.372+/-0.033 χ^2/NDF:11716641.8/51

All: 244.969+/-0.024 χ^2/NDF: 19491167.9/95



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.2/26

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

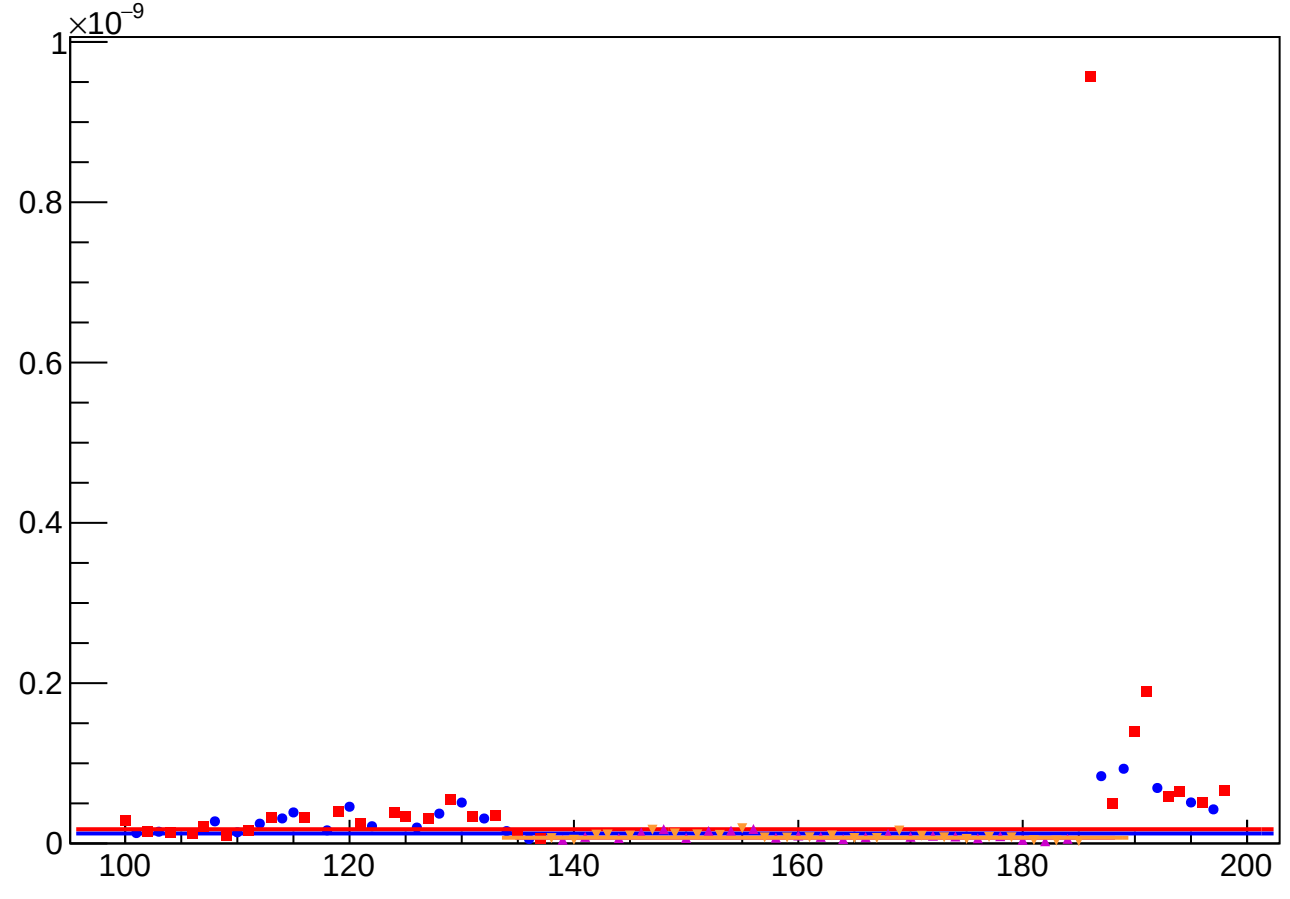
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

Right: 0.000+/-0.000 χ^2/NDF: 52.2/47

In: -0.000+/-0.000 χ^2/NDF:38.2/43

Out: 0.000+/-0.000 χ^2/NDF:64.1/51

All: 0.000+/-0.000 χ^2/NDF: 105.2/95



Right In: 0.000+/-0.000 χ^2/NDF: 3564428.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3969817.0/26

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

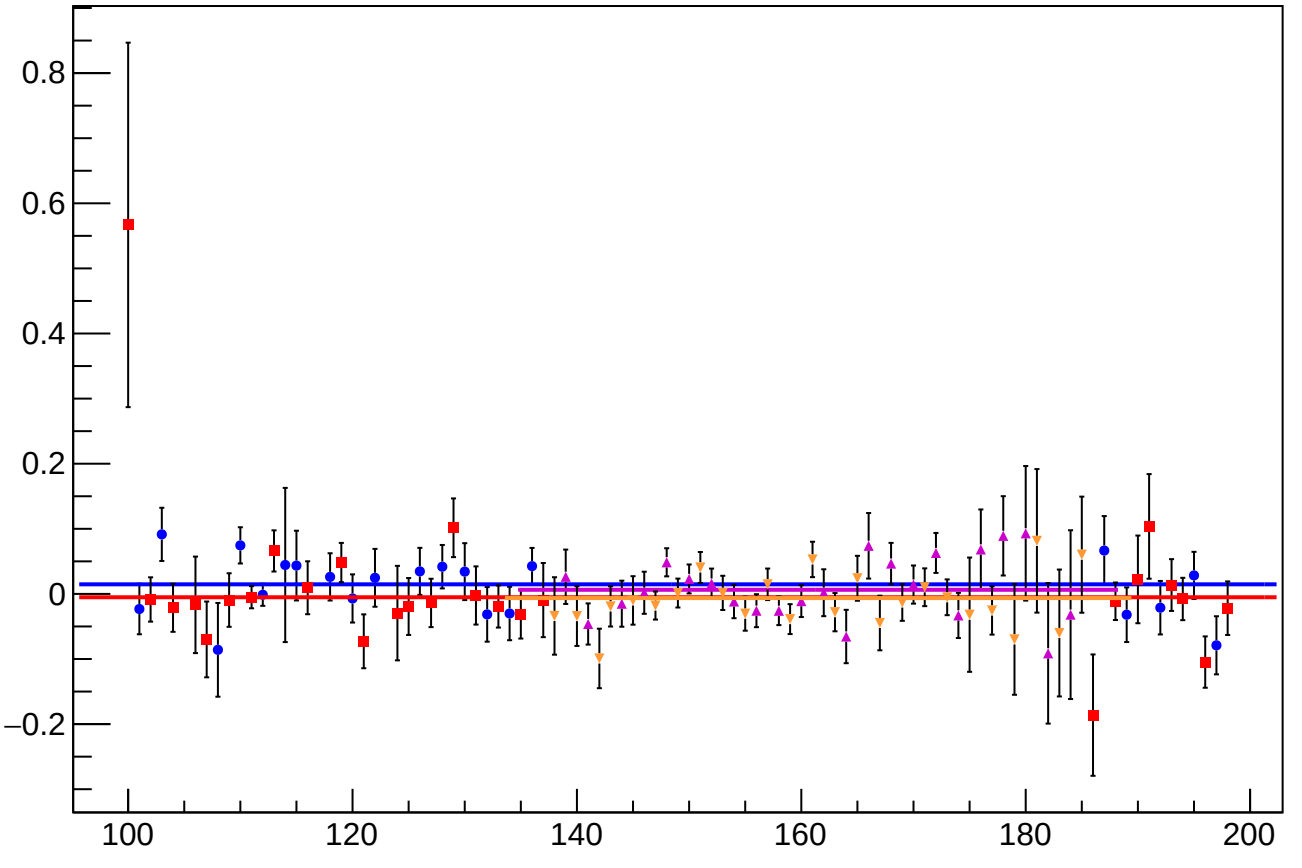
Left: 0.000+/-0.000 χ^2/NDF: 4005568.1/47

Right: 0.000+/-0.000 χ^2/NDF: 7873760.3/47

In: 0.000+/-0.000 χ^2/NDF:6375495.9/43

Out: 0.000+/-0.000 χ^2/NDF:8016160.9/51

All: 0.000+/-0.000 χ^2/NDF: 14399754.0/95



Right In: 0.015+/-0.008 χ^2/NDF: 24.9/20

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.005+/-0.007 χ^2/NDF: 35.8/26

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

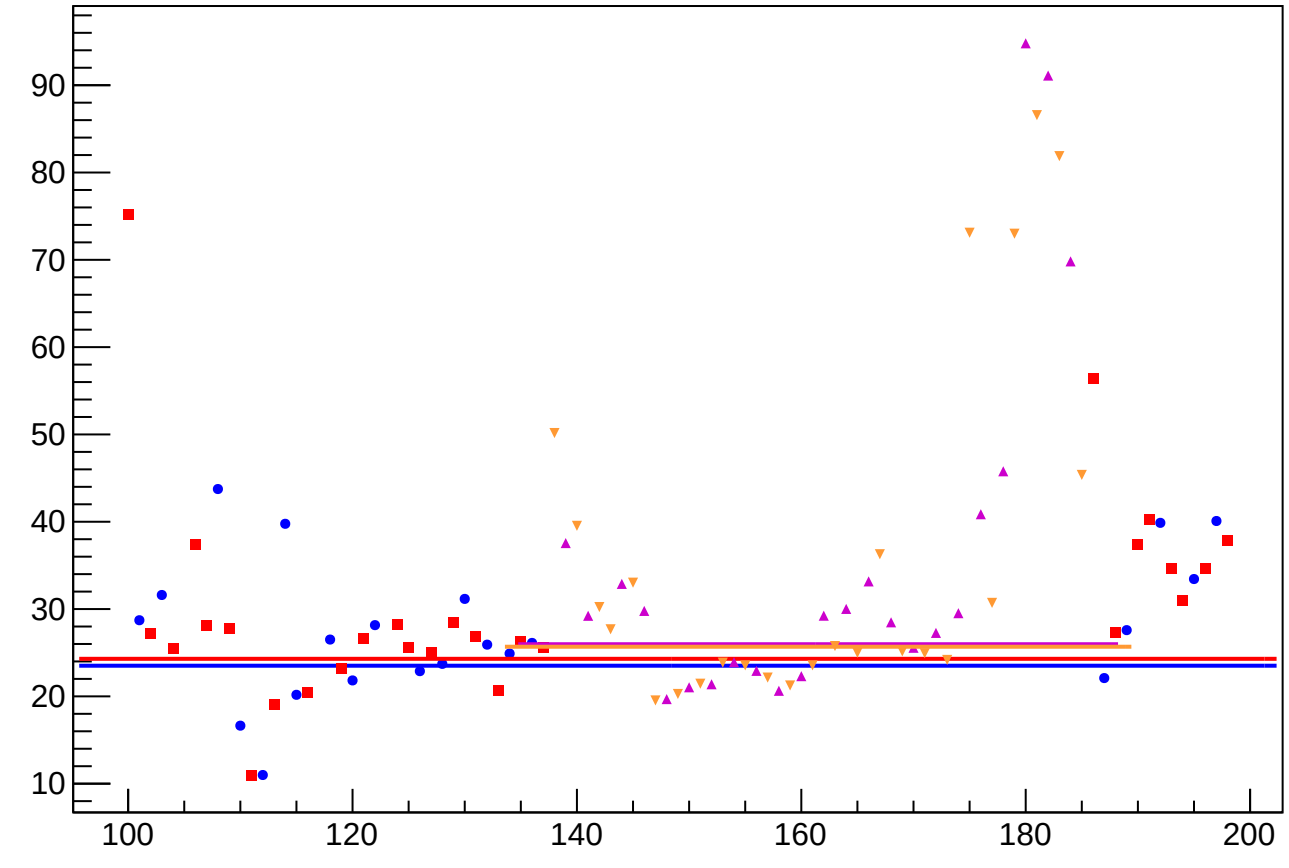
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.004+/-0.005 χ^2/NDF: 64.0/47

In: 0.010+/-0.005 χ^2/NDF:53.9/43

Out: -0.006+/-0.005 χ^2/NDF:58.4/51

All: 0.002+/-0.004 χ^2/NDF: 117.3/95



Right In: 23.511+/-0.006 χ^2/NDF: 2418001.0/20

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 24.301+/-0.005 χ^2/NDF: 2535471.3/26

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

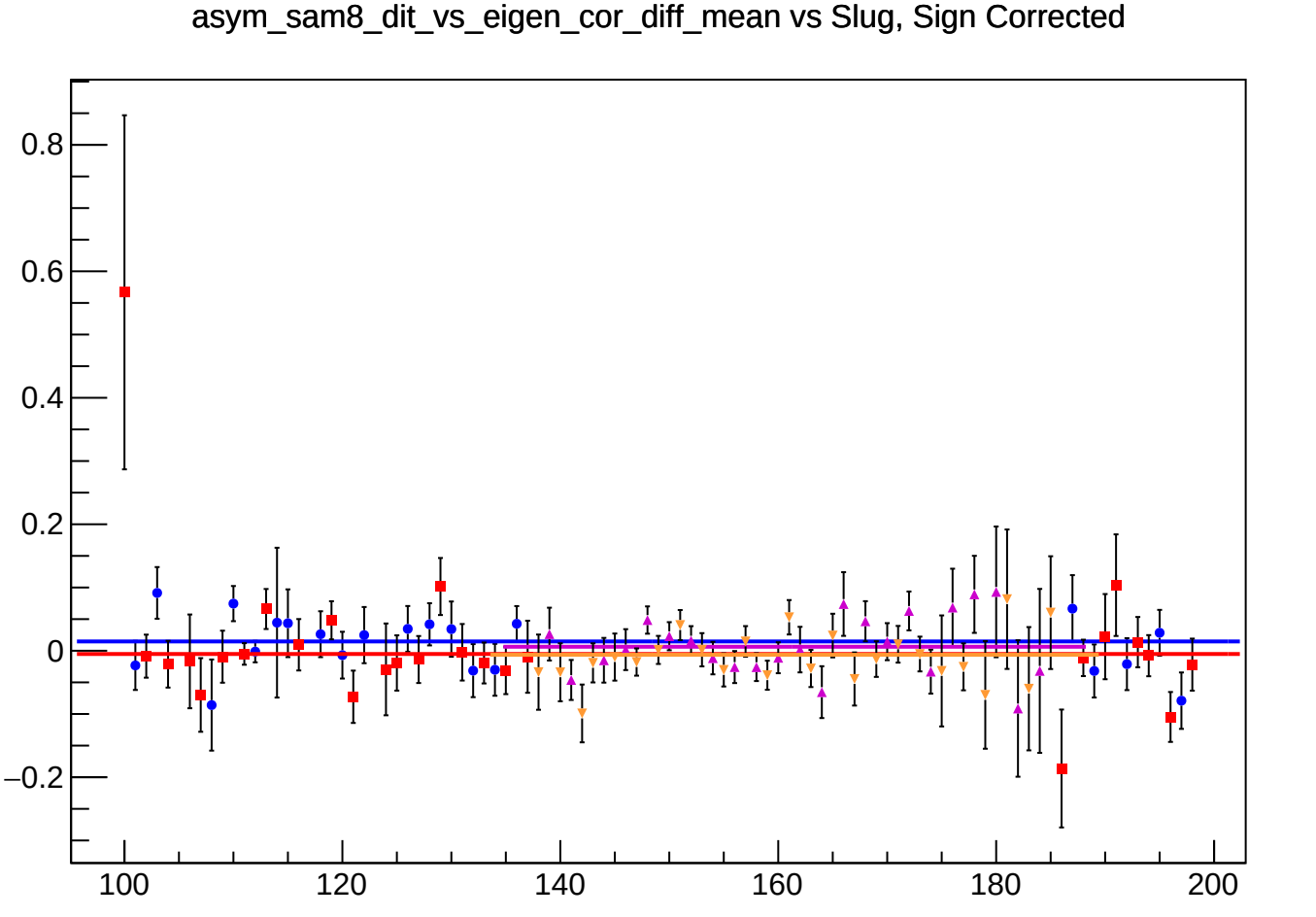
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 23.932+/-0.004 χ^2/NDF: 4964152.3/47

In: 24.955+/-0.004 χ^2/NDF:5650325.7/43

Out: 25.092+/-0.003 χ^2/NDF:6447148.4/51

All: 25.027+/-0.002 χ^2/NDF: 12098239.9/95



Right In: 0.015+/-0.008 χ^2/NDF: 24.9/20

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.005+/-0.007 χ^2/NDF: 35.8/26

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

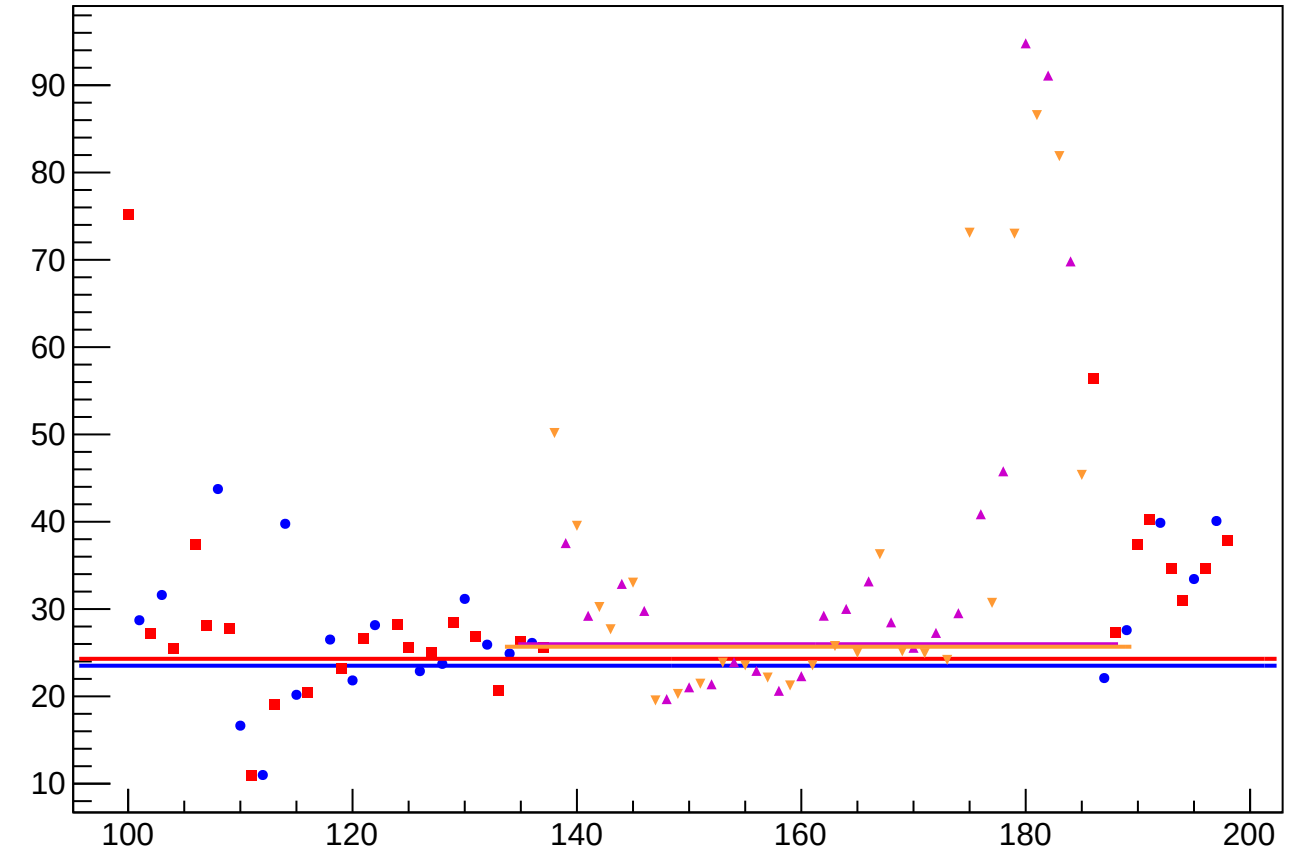
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.004+/-0.005 χ^2/NDF: 64.0/47

In: 0.010+/-0.005 χ^2/NDF:53.9/43

Out: -0.006+/-0.005 χ^2/NDF:58.4/51

All: 0.002+/-0.004 χ^2/NDF: 117.3/95



Right In: 23.511+/-0.006 χ^2/NDF: 2418001.0/20

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 24.301+/-0.005 χ^2/NDF: 2535471.3/26

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

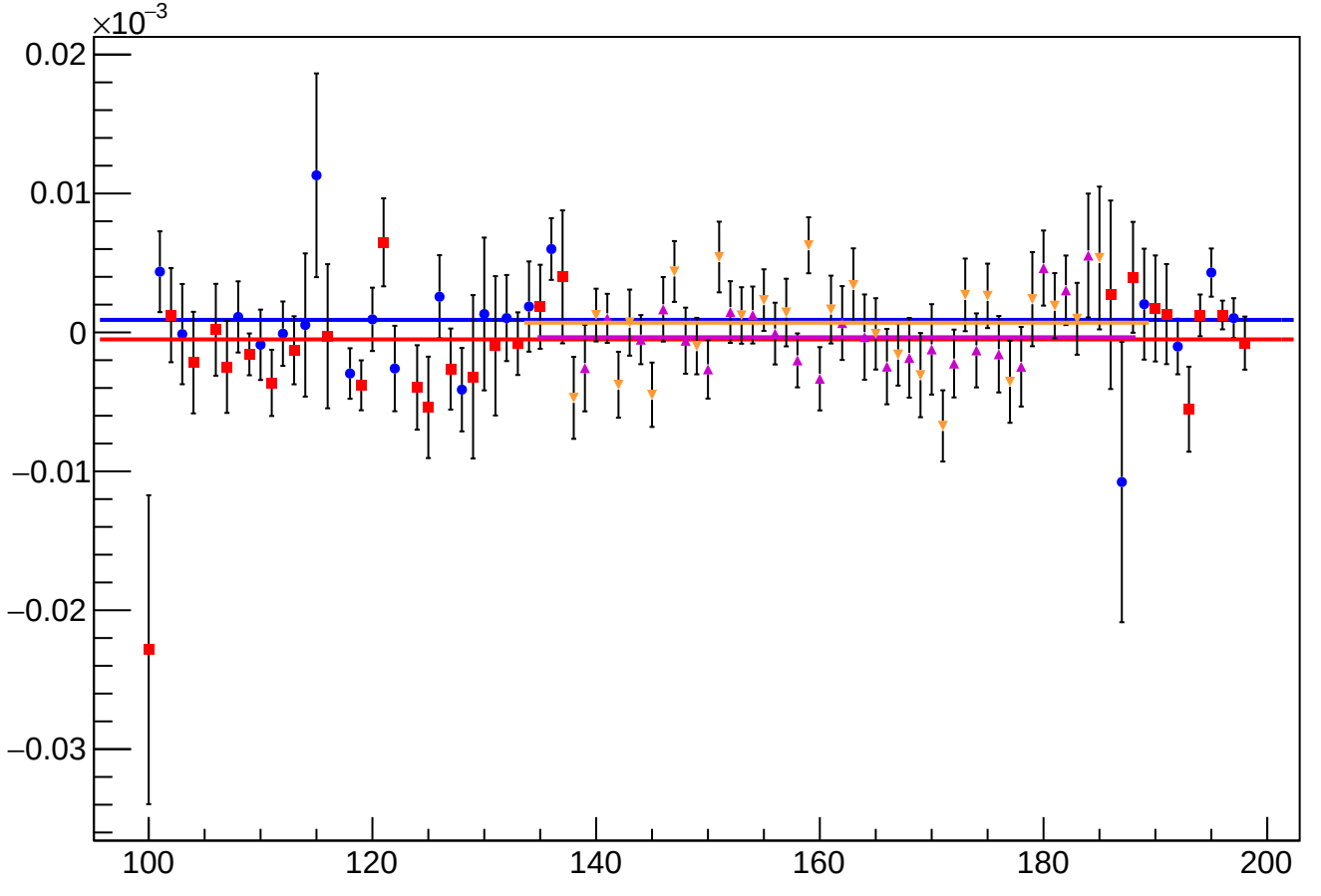
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 23.932+/-0.004 χ^2/NDF: 4964152.3/47

In: 24.955+/-0.004 χ^2/NDF:5650325.7/43

Out: 25.092+/-0.003 χ^2/NDF:6447148.4/51

All: 25.027+/-0.002 χ^2/NDF: 12098239.9/95



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.9/26

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

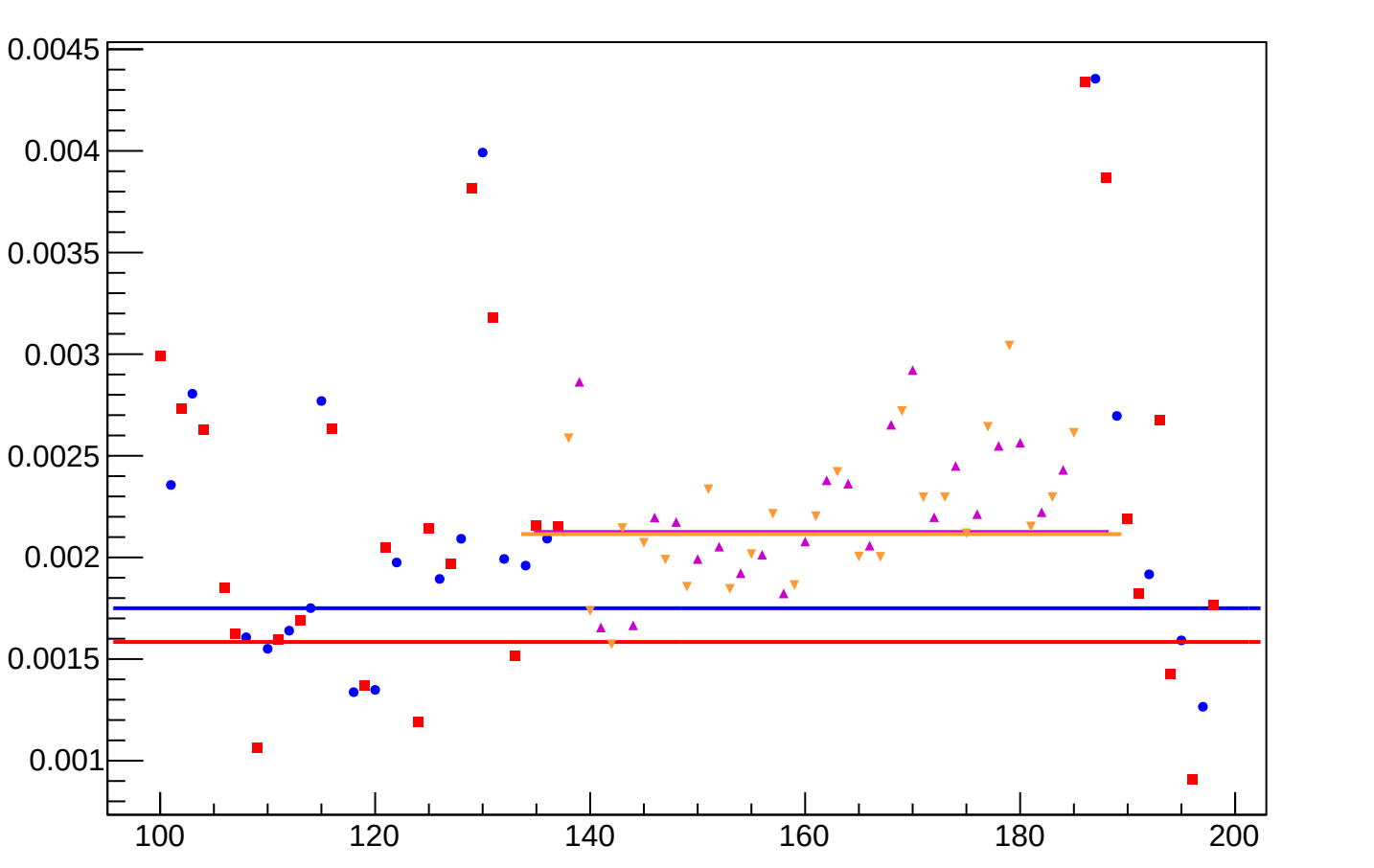
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

Right: 0.000+/-0.000 χ^2/NDF: 58.1/47

In: 0.000+/-0.000 χ^2/NDF:43.8/43

Out: 0.000+/-0.000 χ^2/NDF:77.3/51

All: 0.000+/-0.000 χ^2/NDF: 121.1/95



Right In: 0.002+/-0.000 χ^2/NDF: 1432490.1/20

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3738823.7/26

Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

Left: 0.002+/-0.000 χ^2/NDF: 1581867.2/47

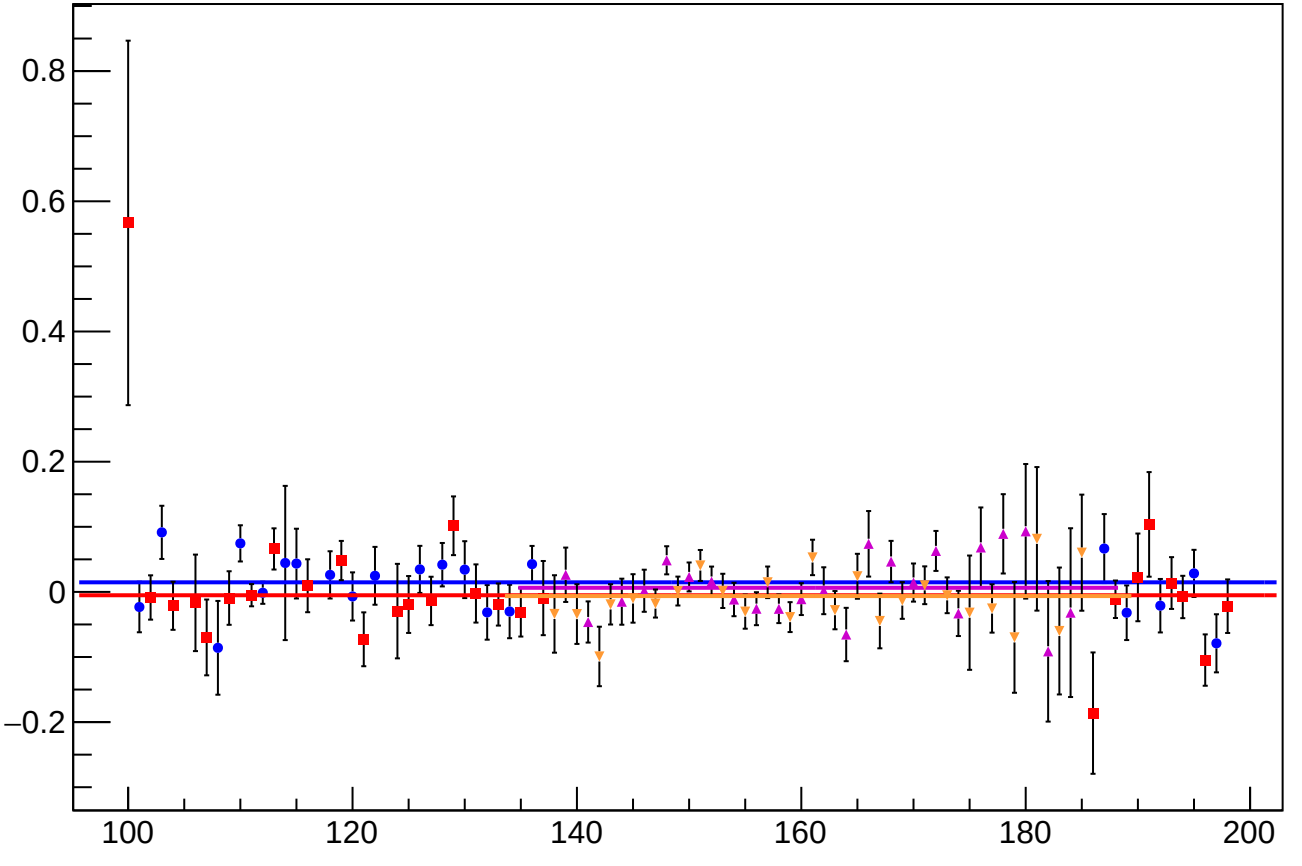
Right: 0.002+/-0.000 χ^2/NDF: 5271499.8/47

In: 0.002+/-0.000 χ^2/NDF:2762422.0/43

Out: 0.002+/-0.000 χ^2/NDF:5682018.9/51

All: 0.002+/-0.000 χ^2/NDF: 8540379.1/95

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.008 χ^2/NDF: 24.9/20

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.005+/-0.007 χ^2/NDF: 35.8/26

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

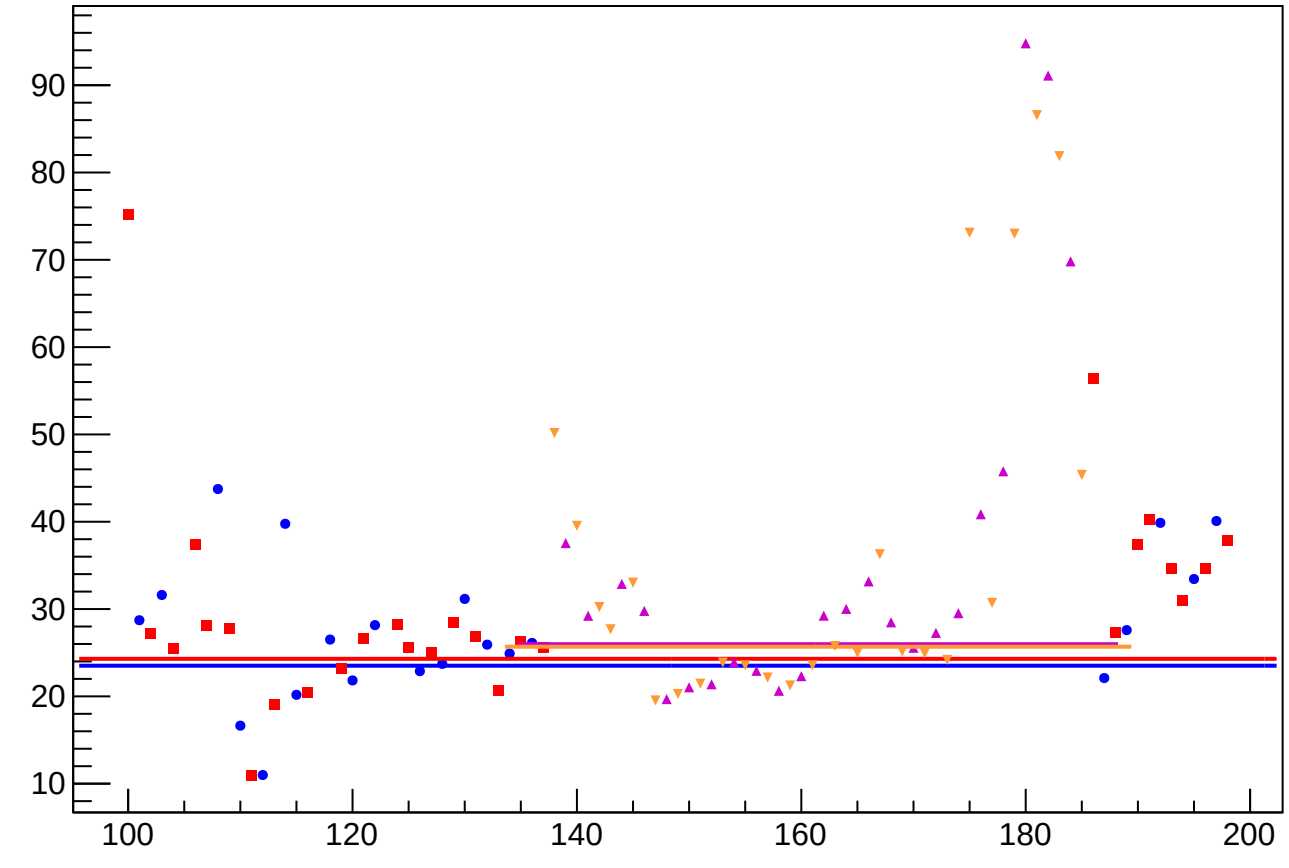
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.004+/-0.005 χ^2/NDF: 64.0/47

In: 0.010+/-0.005 χ^2/NDF:53.9/43

Out: -0.006+/-0.005 χ^2/NDF:58.4/51

All: 0.002+/-0.004 χ^2/NDF: 117.3/95



Right In: 23.510+/-0.006 χ^2/NDF: 2418201.3/20

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 24.300+/-0.005 χ^2/NDF: 2535682.6/26

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

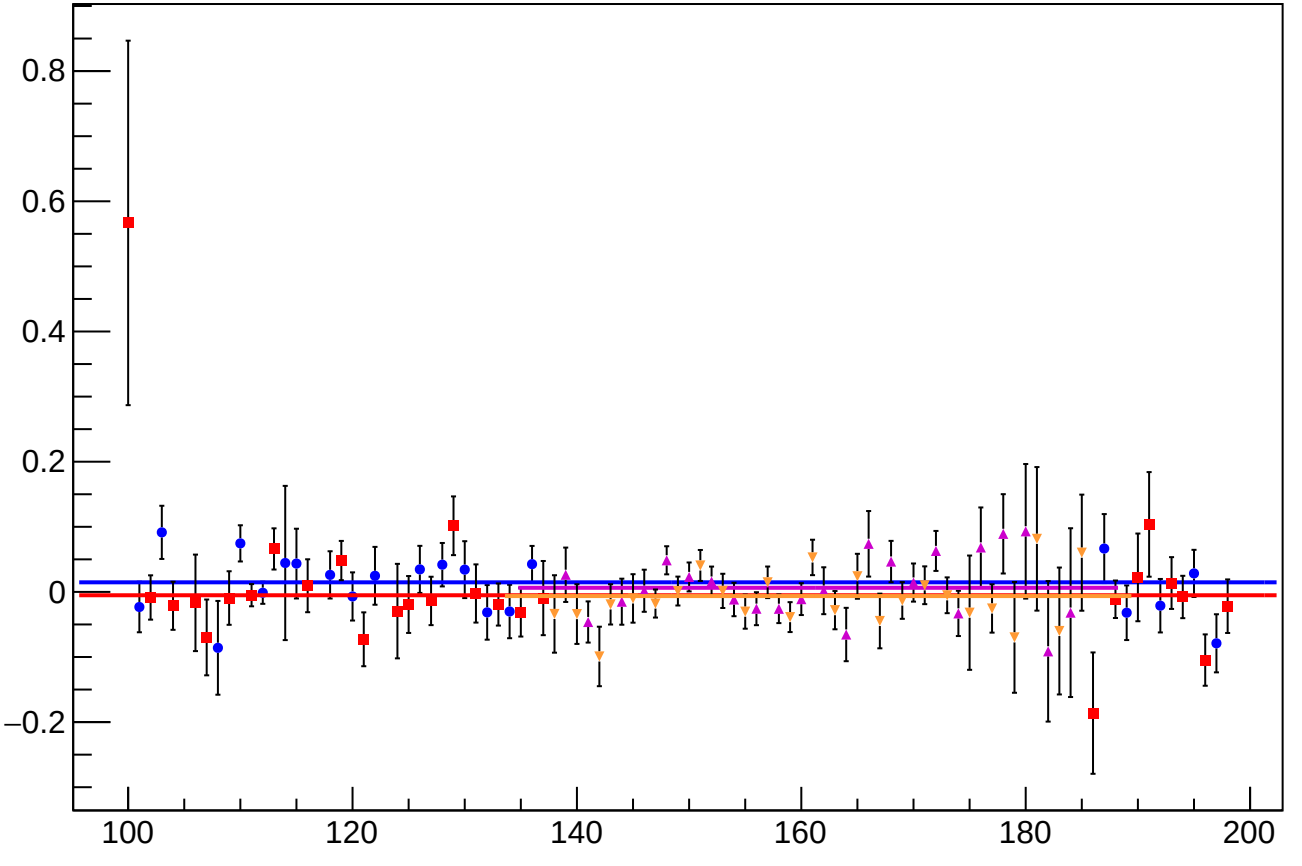
Right: 23.931+/-0.004 χ^2/NDF: 4964562.3/47

In: 24.955+/-0.004 χ^2/NDF:5650573.0/43

Out: 25.092+/-0.003 χ^2/NDF:6447407.3/51

All: 25.027+/-0.002 χ^2/NDF: 12098745.5/95

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.008 χ^2/NDF: 24.9/20

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.005+/-0.007 χ^2/NDF: 35.8/26

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

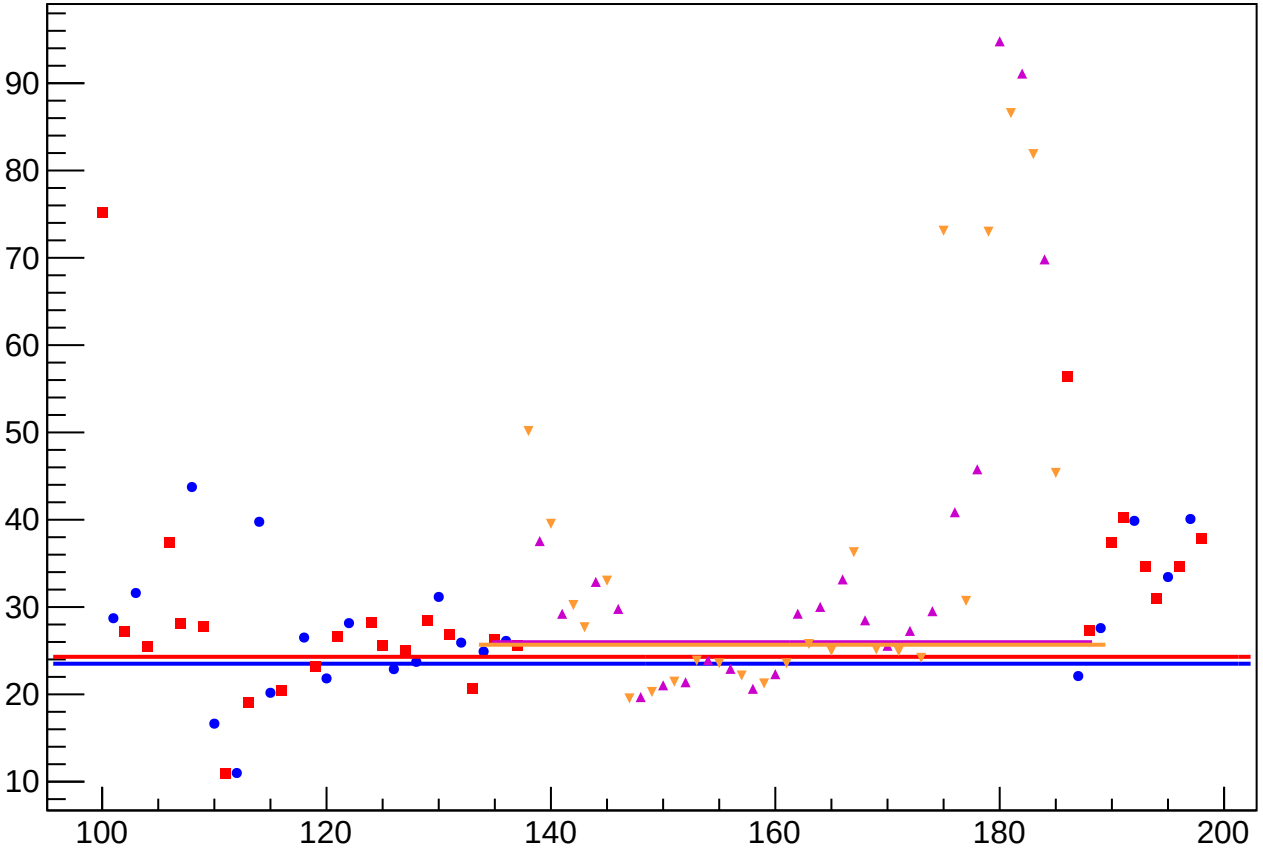
Right: 0.004+/-0.005 χ^2/NDF: 64.0/47

In: 0.010+/-0.005 χ^2/NDF:53.9/43

Out: -0.006+/-0.005 χ^2/NDF:58.4/51

All: 0.002+/-0.004 χ^2/NDF: 117.3/95

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.510+/-0.006 χ^2/NDF: 2418201.3/20

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 24.300+/-0.005 χ^2/NDF: 2535682.6/26

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

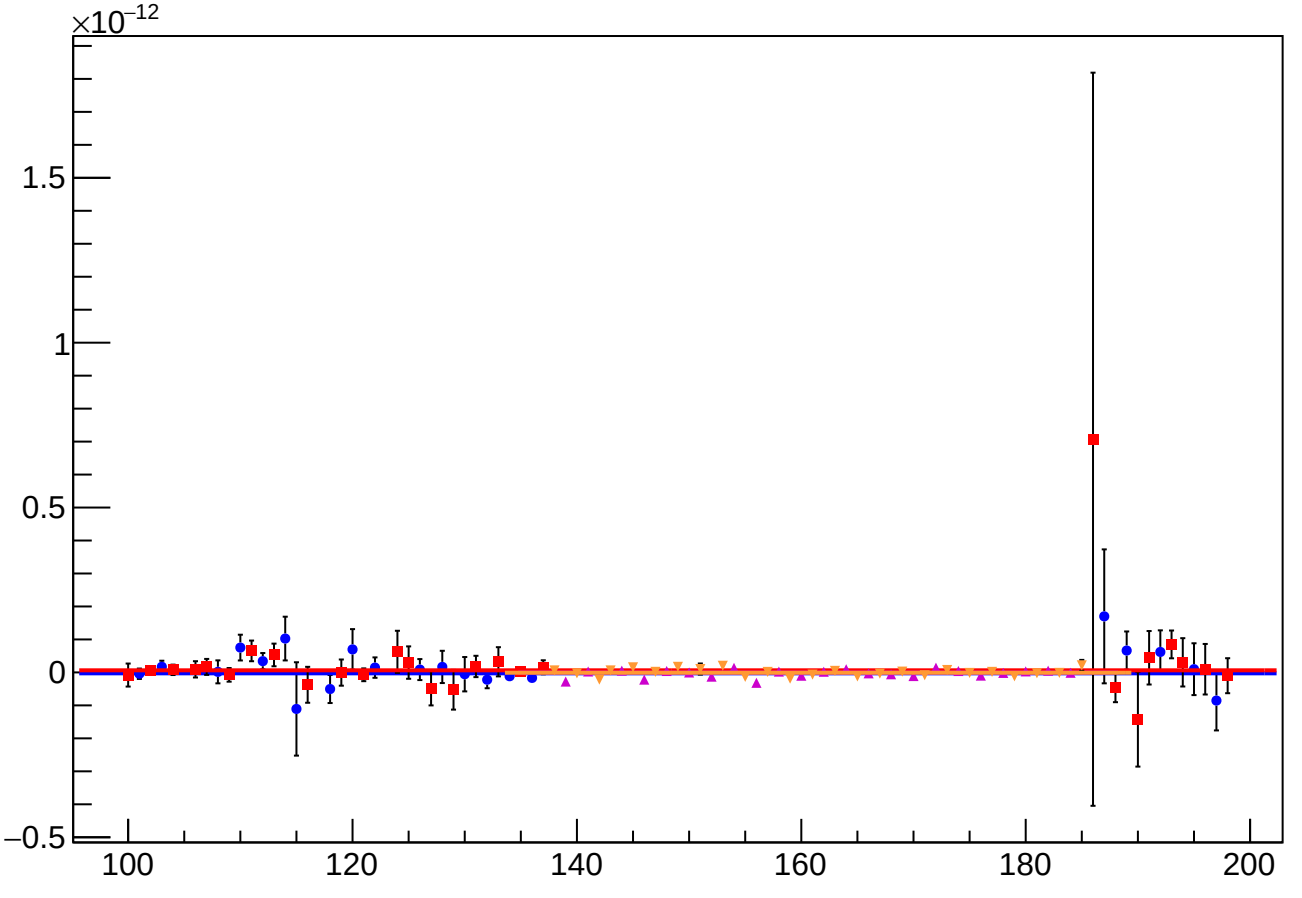
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 23.931+/-0.004 χ^2/NDF: 4964562.3/47

In: 24.955+/-0.004 χ^2/NDF:5650573.0/43

Out: 25.092+/-0.003 χ^2/NDF:6447407.3/51

All: 25.027+/-0.002 χ^2/NDF: 12098745.5/95



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/20

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/26

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

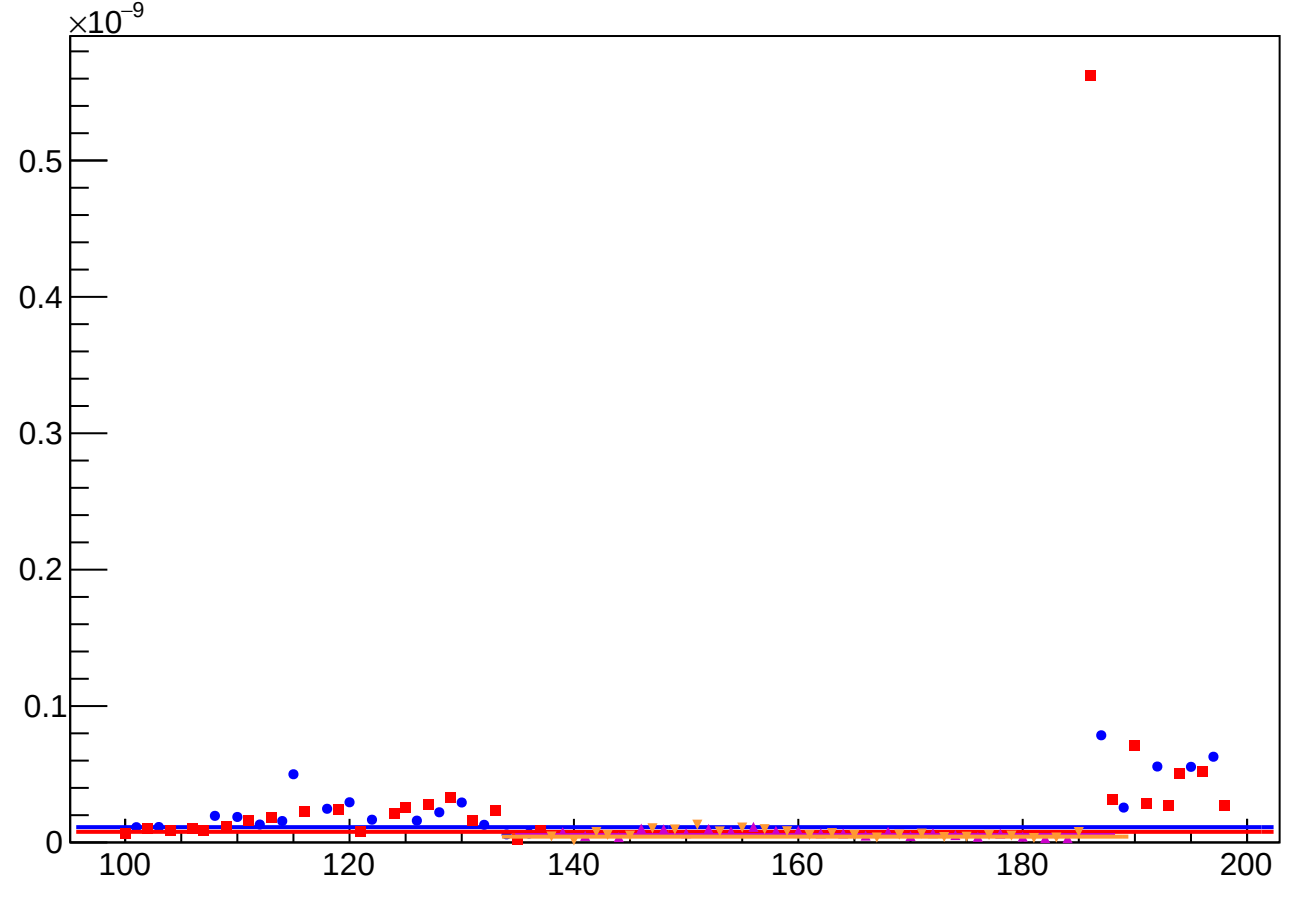
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 41.0/47

In: -0.000+/-0.000 χ^2/NDF:51.0/43

Out: -0.000+/-0.000 χ^2/NDF:49.5/51

All: -0.000+/-0.000 χ^2/NDF: 100.6/95



Right In: 0.000+/-0.000 χ^2/NDF: 4550589.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7729272.8/26

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

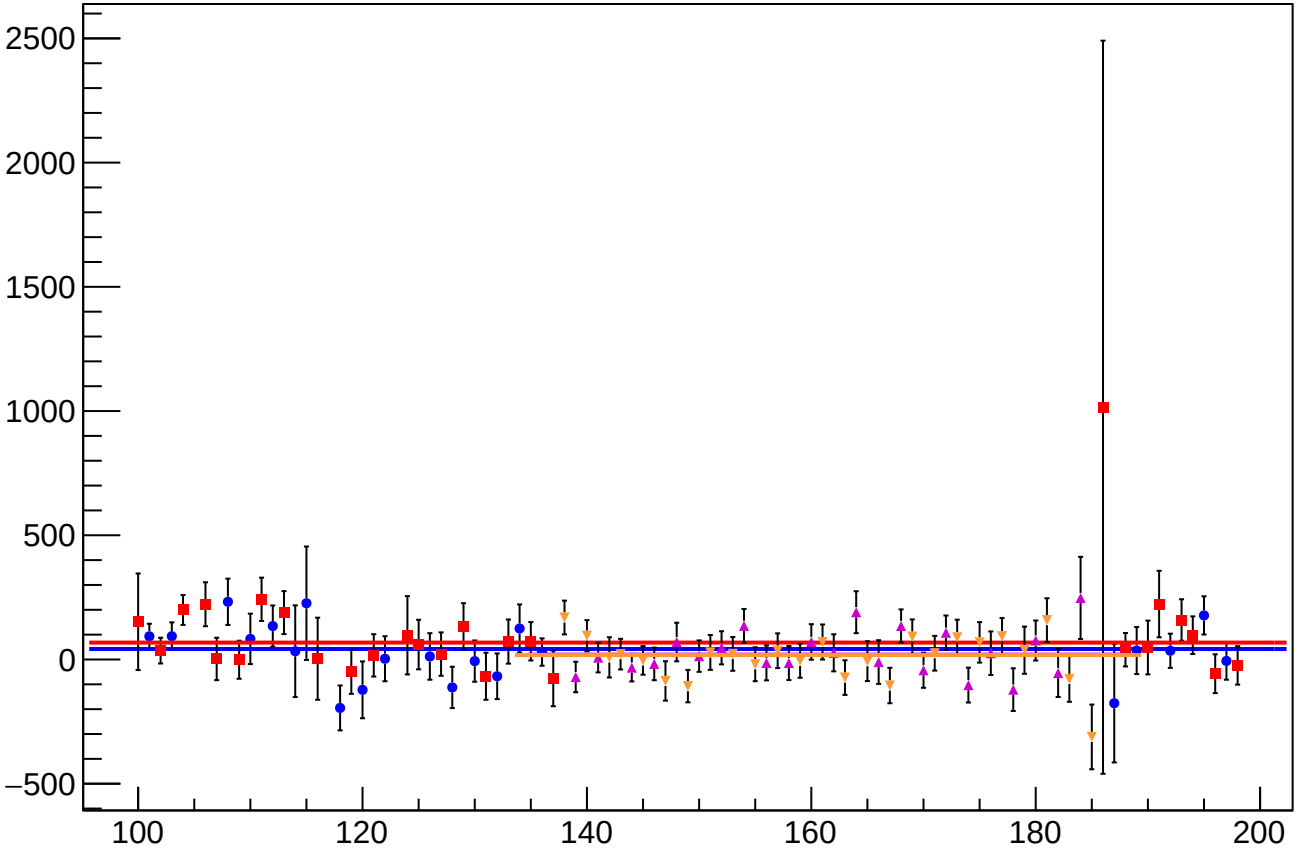
Right: 0.000+/-0.000 χ^2/NDF: 12773283.2/47

In: 0.000+/-0.000 χ^2/NDF:9418708.1/43

Out: 0.000+/-0.000 χ^2/NDF:14374286.5/51

All: 0.000+/-0.000 χ^2/NDF: 24646648.2/95

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 42.264+/-18.006 χ^2/NDF: 27.7/20

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: 68.057+/-16.758 χ^2/NDF: 29.9/26

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

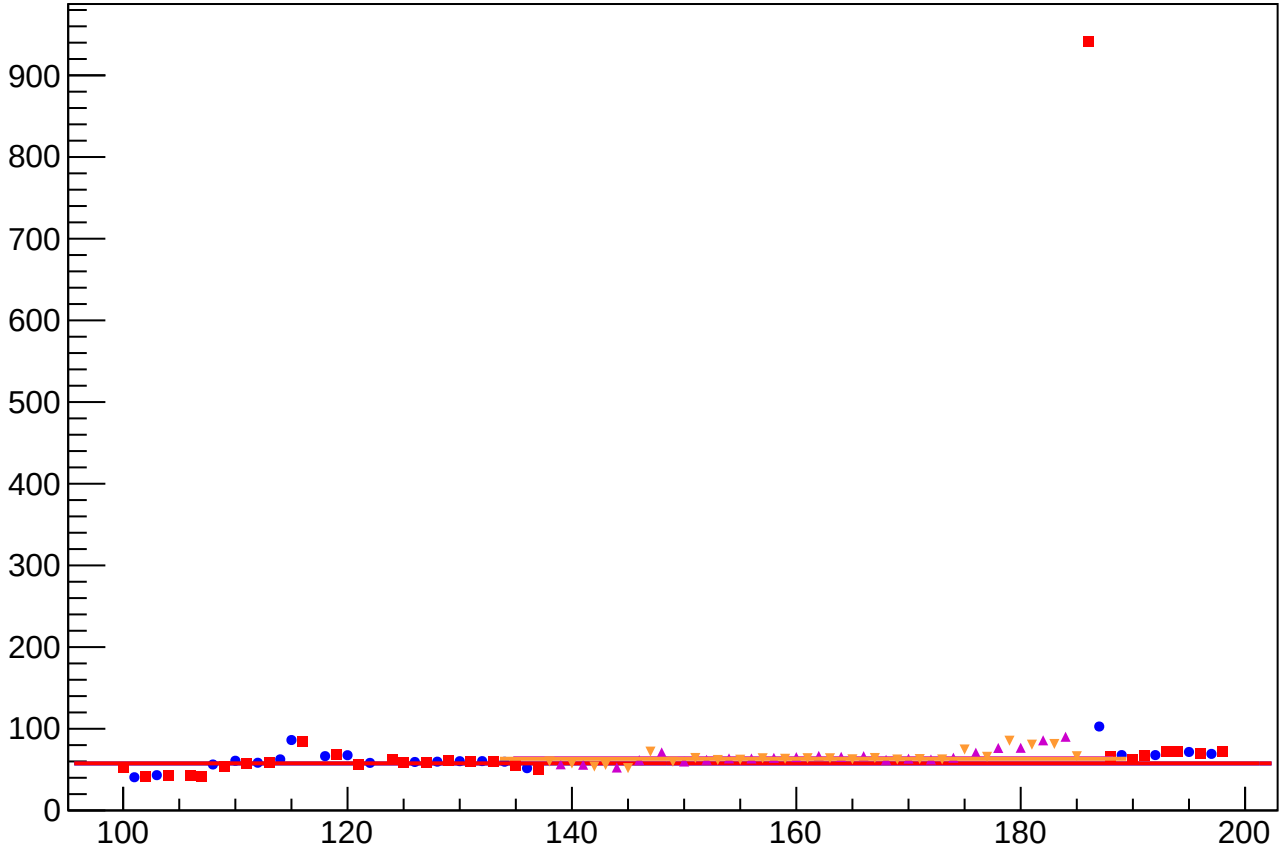
Right: 56.085+/-12.267 χ^2/NDF: 58.6/47

In: 28.939+/-11.543 χ^2/NDF:54.8/43

Out: 39.308+/-10.963 χ^2/NDF:66.6/51

All: 34.391+/-7.949 χ^2/NDF: 121.8/95

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 57.485+/-0.013 χ^2/NDF: 711278.2/20

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 57.682+/-0.012 χ^2/NDF: 1560561.1/26

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

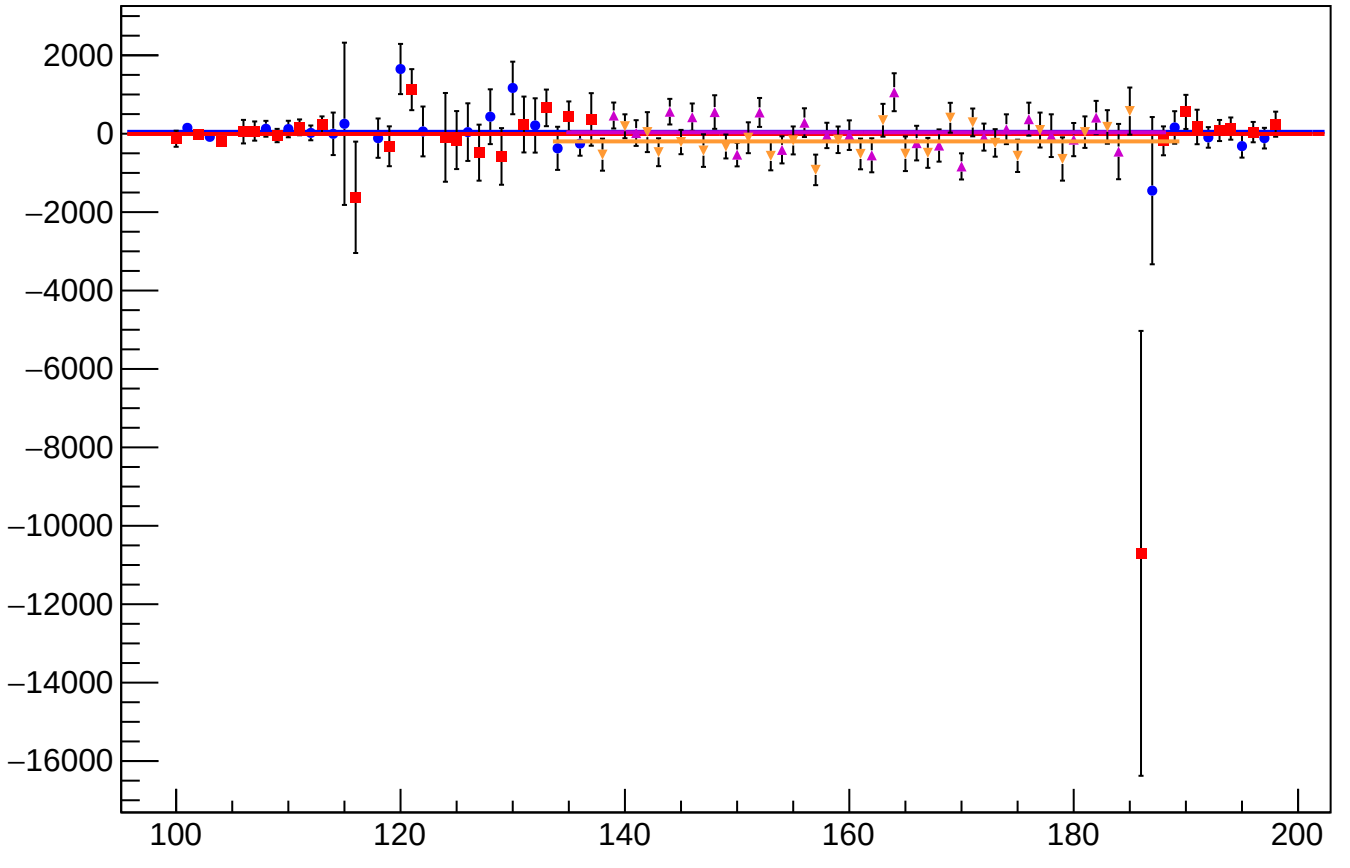
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 57.591+/-0.009 χ^2/NDF: 2271967.9/47

In: 61.274+/-0.008 χ^2/NDF:1306962.6/43

Out: 60.903+/-0.008 χ^2/NDF:2187118.1/51

All: 61.079+/-0.006 χ^2/NDF: 3495169.3/95



Right In: 47.733+/-44.300 χ^2/NDF: 18.8/20

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: -6.720+/-46.417 χ^2/NDF: 24.8/26

Left In: 36.417+/-79.210 χ^2/NDF:31.1/22

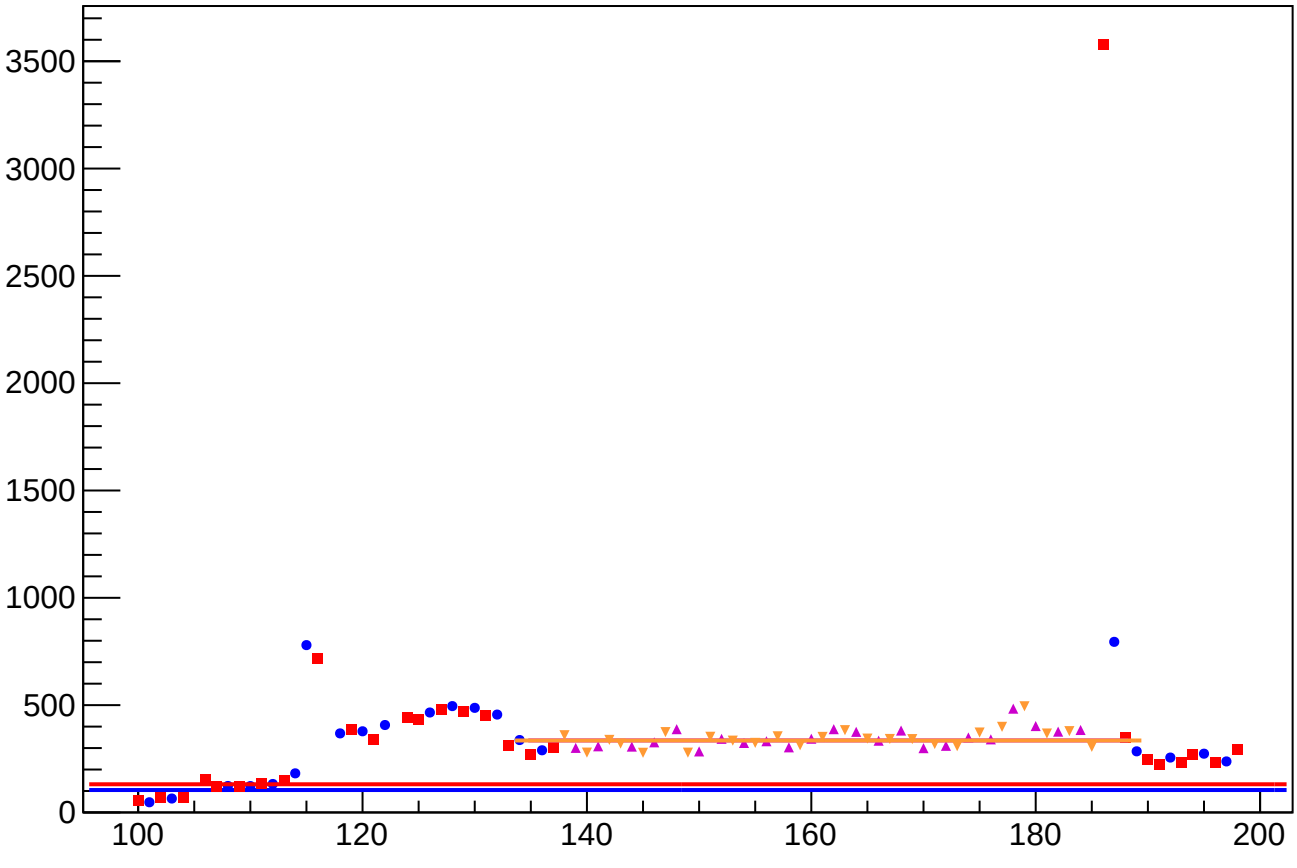
Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

Right: 21.777+/-32.047 χ^2/NDF: 44.3/47

In: 45.037+/-38.664 χ^2/NDF:49.9/43

Out: -57.072+/-39.765 χ^2/NDF:49.8/51

All: -4.584+/-27.721 χ^2/NDF: 103.1/95



Right In: 104.484+/-0.031 χ^2/NDF: 9370126.7/20

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 131.306+/-0.033 χ^2/NDF: 9046848.1/26

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

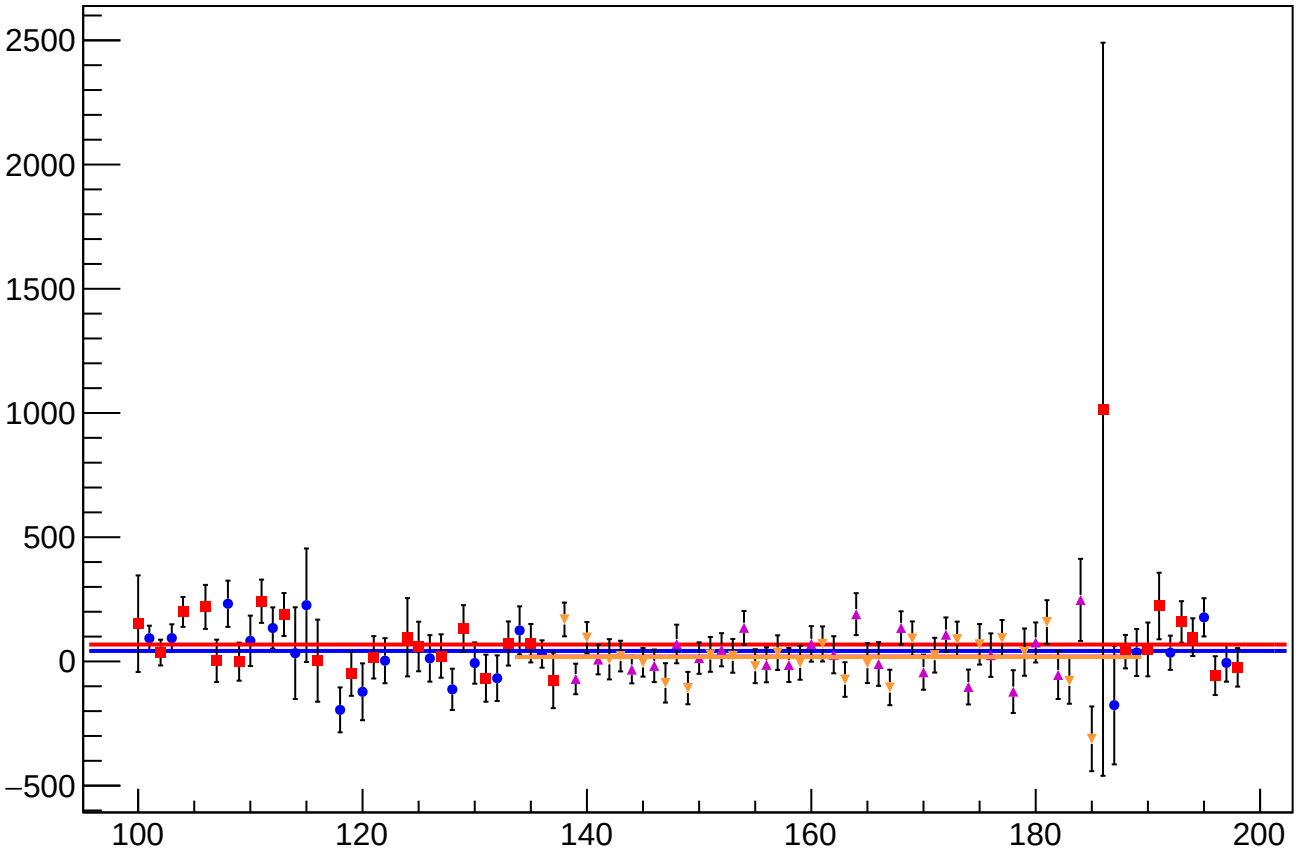
Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

Right: 117.270+/-0.023 χ^2/NDF: 18766441.5/47

In: 159.533+/-0.027 χ^2/NDF:22826817.5/43

Out: 185.579+/-0.028 χ^2/NDF:19886297.7/51

All: 172.191+/-0.020 χ^2/NDF: 43154164.5/95



Right In: 42.274+/-18.006 χ^2/NDF: 27.7/20

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 67.960+/-16.759 χ^2/NDF: 29.7/26

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

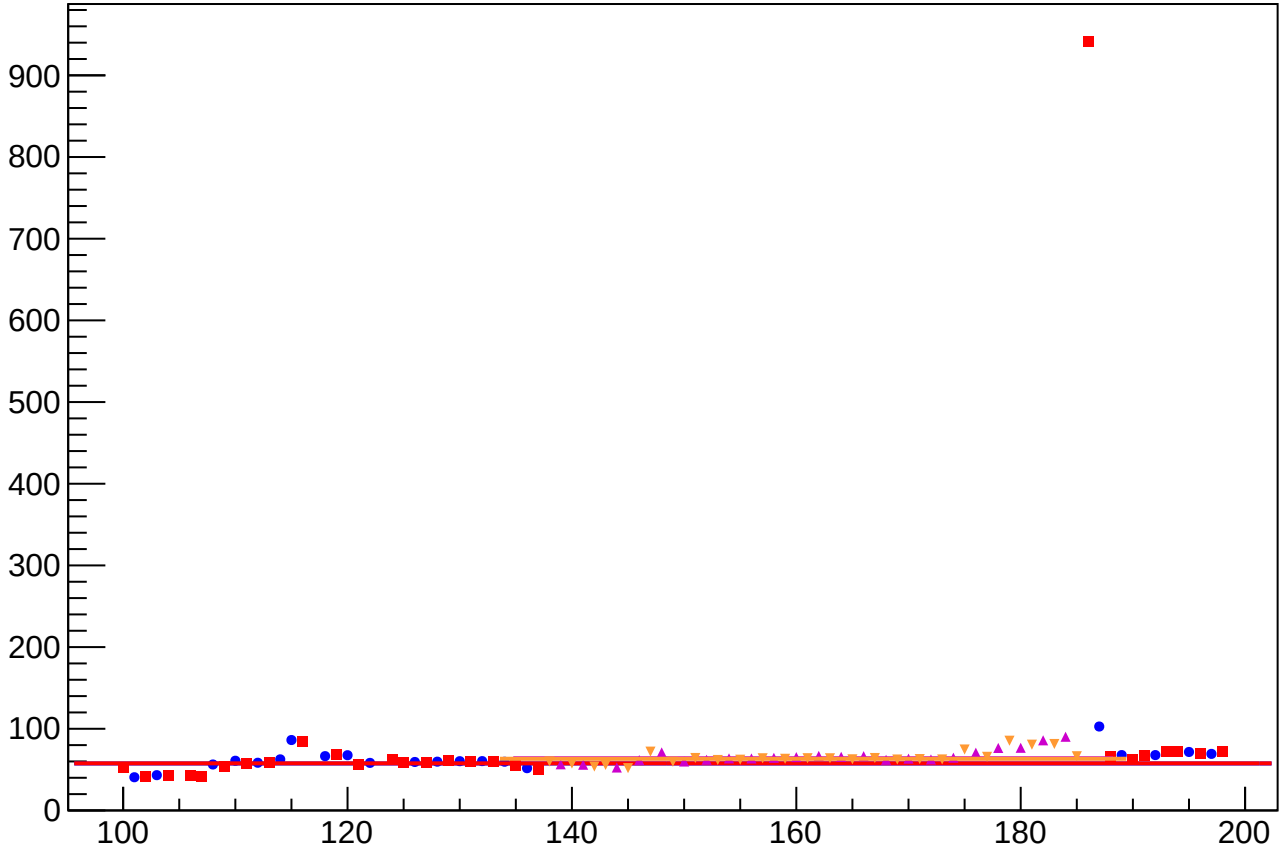
Right: 56.037+/-12.268 χ^2/NDF: 58.5/47

In: 28.943+/-11.543 χ^2/NDF:54.9/43

Out: 39.267+/-10.963 χ^2/NDF:66.4/51

All: 34.371+/-7.949 χ^2/NDF: 121.7/95

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 57.485+/-0.013 χ^2/NDF: 711277.3/20

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 57.681+/-0.012 χ^2/NDF: 1560961.9/26

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

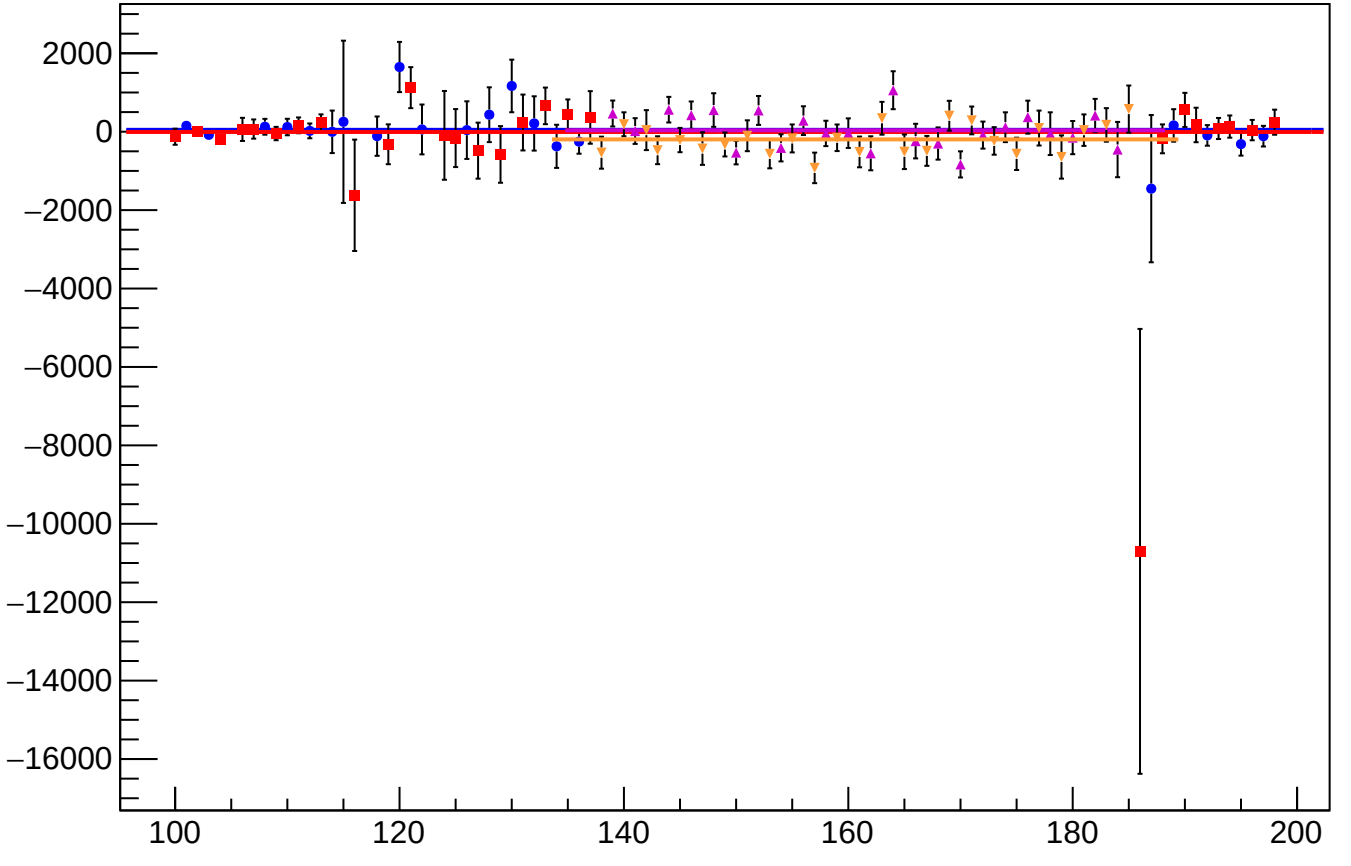
Right: 57.590+/-0.009 χ^2/NDF: 2272366.3/47

In: 61.274+/-0.008 χ^2/NDF:1306961.5/43

Out: 60.903+/-0.008 χ^2/NDF:2187563.1/51

All: 61.079+/-0.006 χ^2/NDF: 3495615.1/95

asym_sam_15_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 47.737+/-44.299 χ^2/NDF: 18.8/20

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -6.373+/-46.384 χ^2/NDF: 24.8/26

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

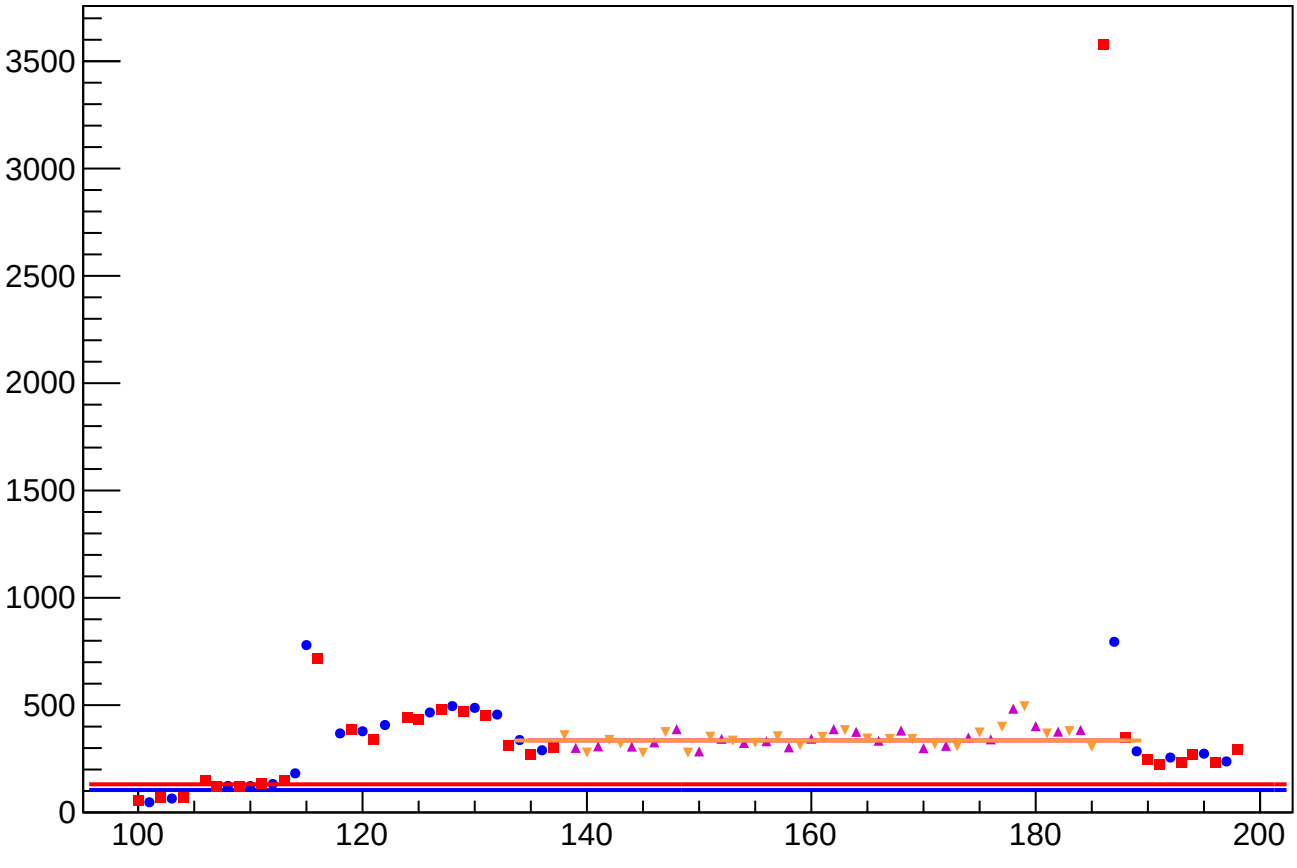
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 21.925+/-32.036 χ^2/NDF: 44.3/47

In: 45.039+/-38.664 χ^2/NDF:49.9/43

Out: -56.762+/-39.744 χ^2/NDF:49.8/51

All: -4.459+/-27.713 χ^2/NDF: 103.1/95



Right In: 104.481+/-0.031 χ^2/NDF: 9370294.7/20

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 131.121+/-0.033 χ^2/NDF: 9046046.6/26

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

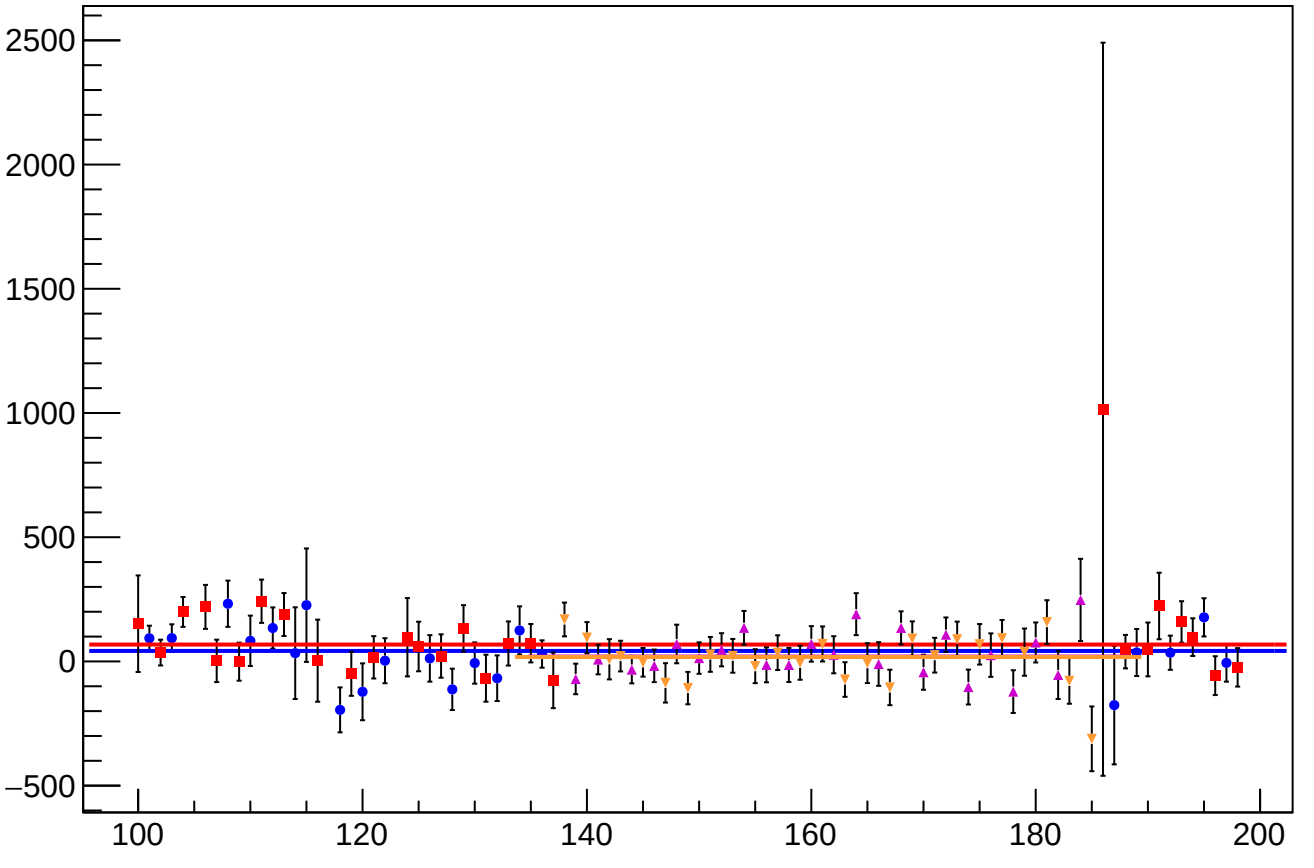
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 117.189+/-0.023 χ^2/NDF: 18761338.5/47

In: 159.529+/-0.027 χ^2/NDF:22827433.1/43

Out: 185.385+/-0.028 χ^2/NDF:19908158.3/51

All: 172.101+/-0.020 χ^2/NDF: 43170476.5/95



Right In: 42.274+/-18.006 χ^2/NDF: 27.7/20

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 67.960+/-16.759 χ^2/NDF: 29.7/26

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

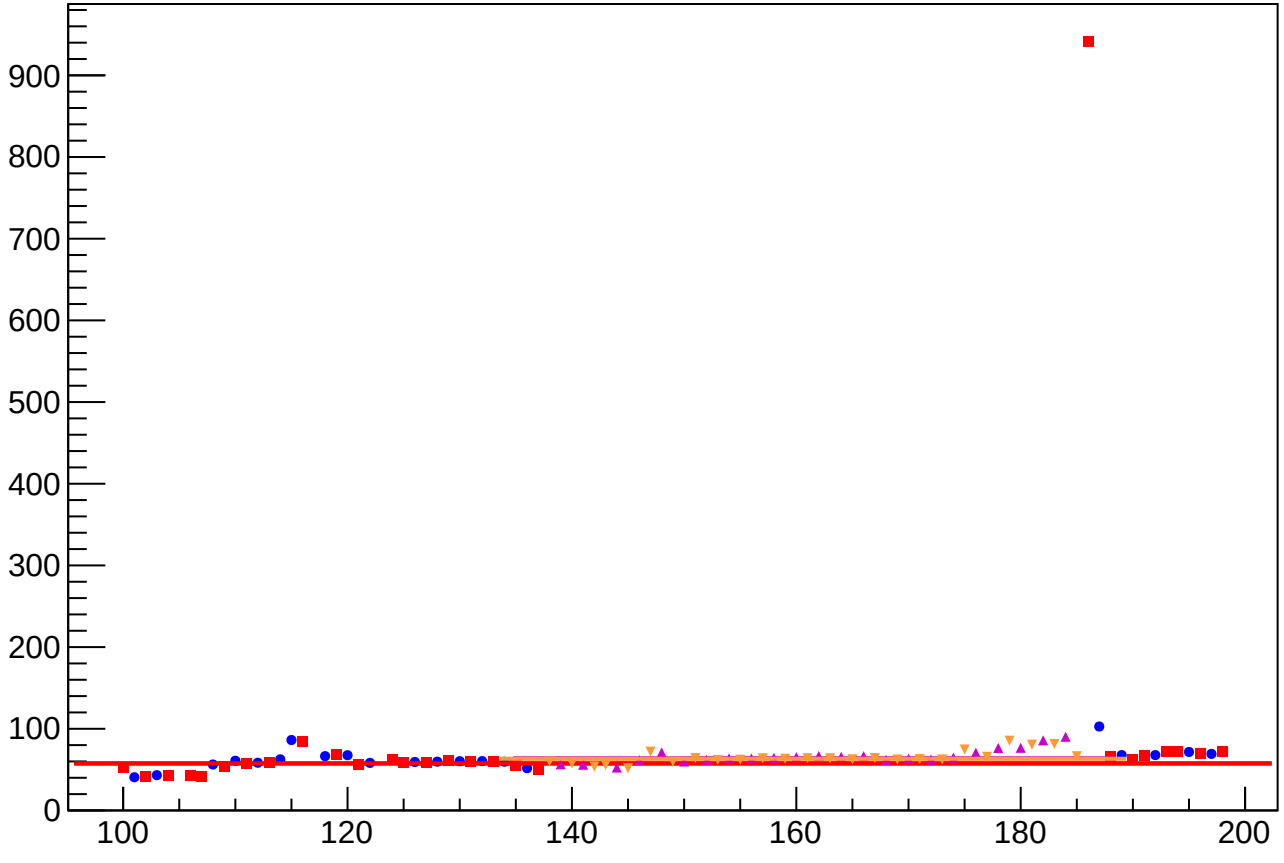
Right: 56.037+/-12.268 χ^2/NDF: 58.5/47

In: 28.943+/-11.543 χ^2/NDF:54.9/43

Out: 39.267+/-10.963 χ^2/NDF:66.4/51

All: 34.371+/-7.949 χ^2/NDF: 121.7/95

eigen_cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 57.485+/-0.013 χ^2/NDF: 711277.3/20

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 57.681+/-0.012 χ^2/NDF: 1560961.9/26

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

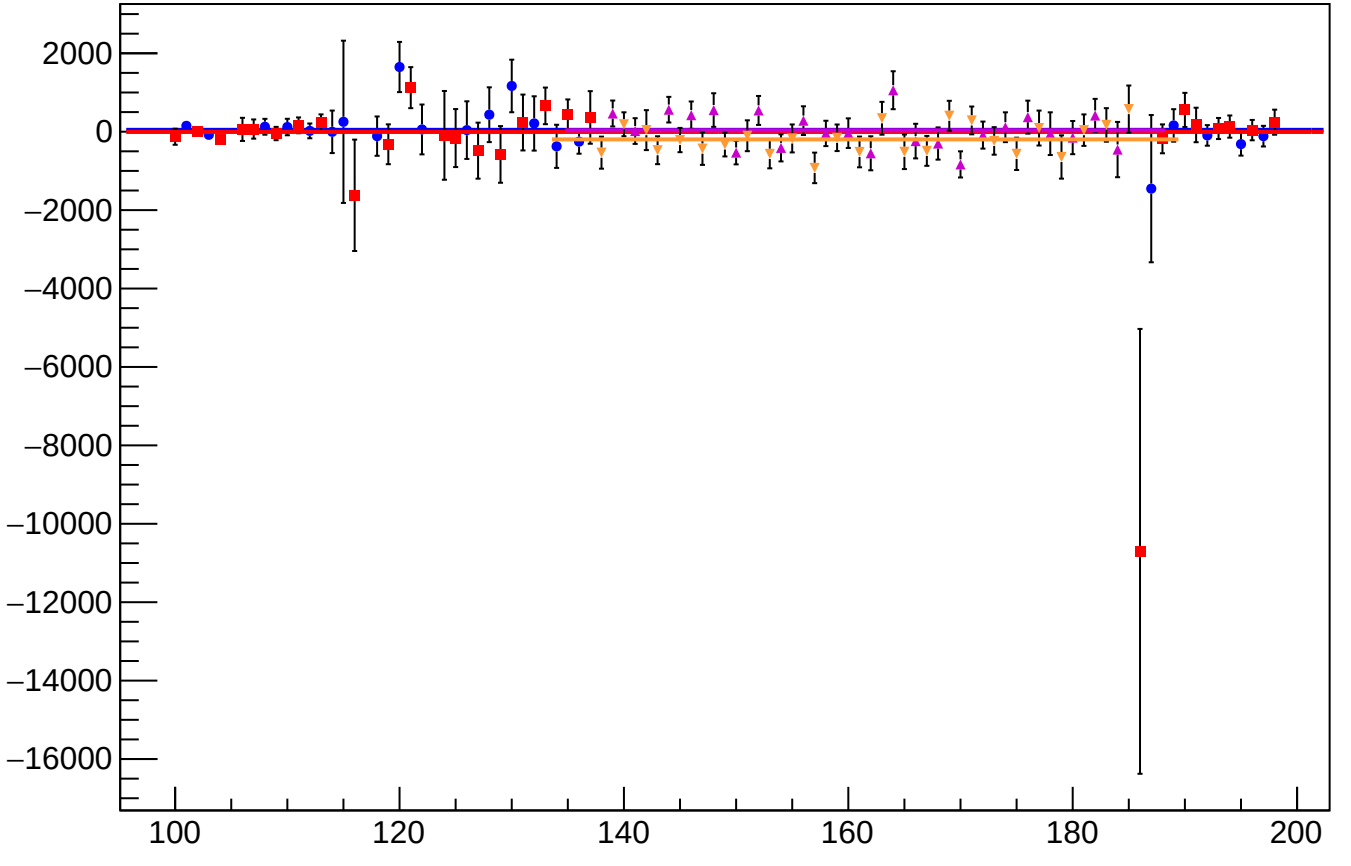
Right: 57.590+/-0.009 χ^2/NDF: 2272366.3/47

In: 61.274+/-0.008 χ^2/NDF:1306961.5/43

Out: 60.903+/-0.008 χ^2/NDF:2187563.1/51

All: 61.079+/-0.006 χ^2/NDF: 3495615.1/95

asym_sam_15_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 47.737+/-44.299 χ^2/NDF: 18.8/20

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -6.373+/-46.384 χ^2/NDF: 24.8/26

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

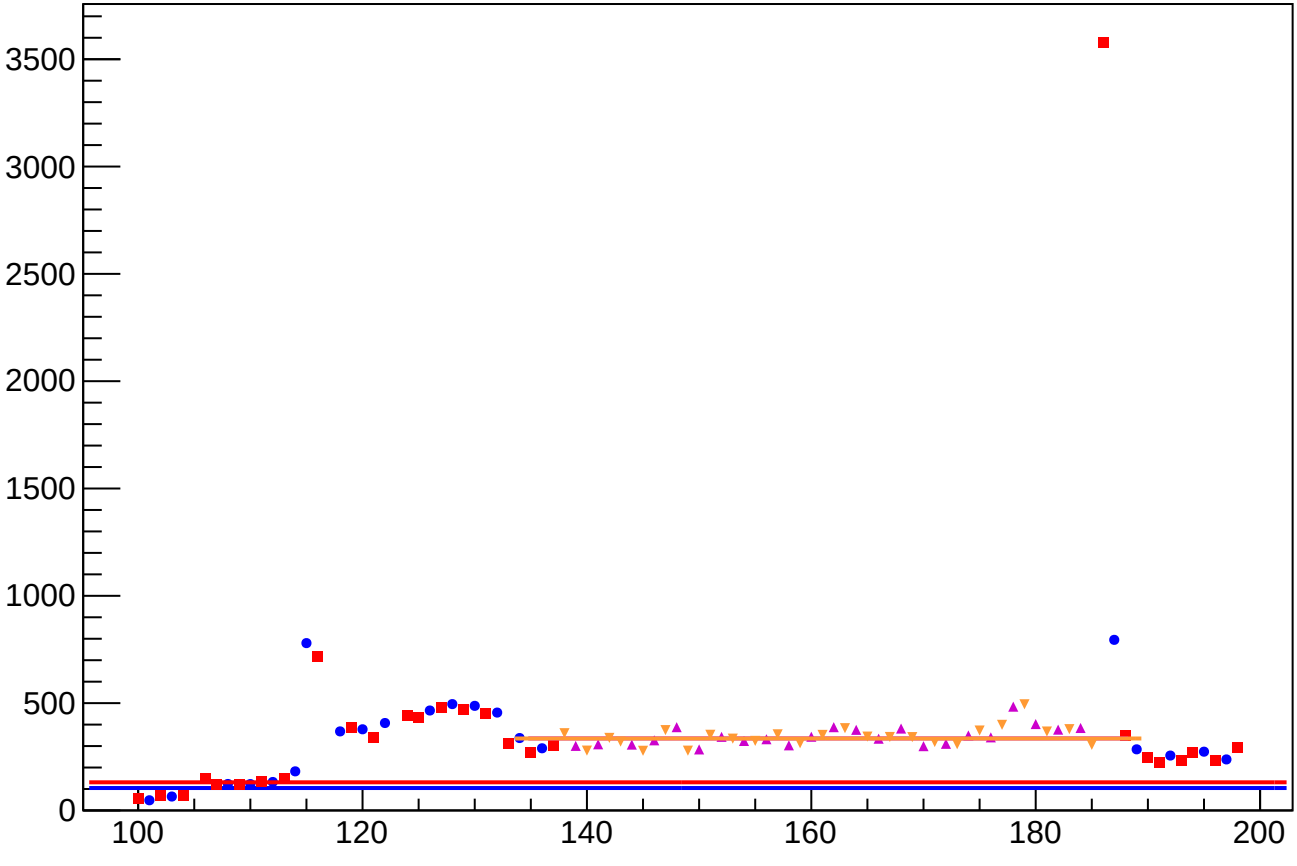
Right: 21.925+/-32.036 χ^2/NDF: 44.3/47

In: 45.039+/-38.664 χ^2/NDF:49.9/43

Out: -56.762+/-39.744 χ^2/NDF:49.8/51

All: -4.459+/-27.713 χ^2/NDF: 103.1/95

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 104.481+/-0.031 χ^2/NDF: 9370294.7/20

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 131.121+/-0.033 χ^2/NDF: 9046046.6/26

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

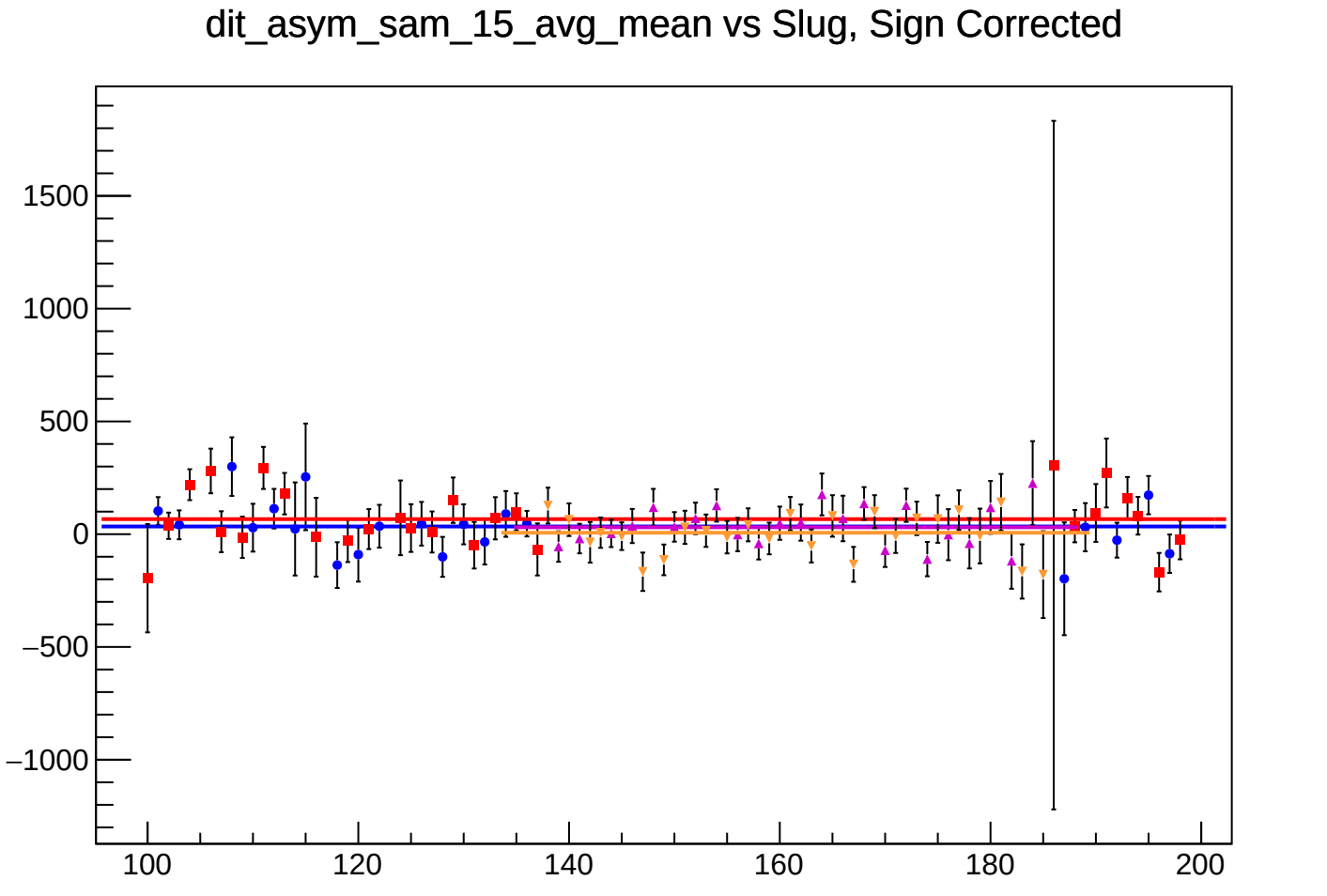
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 117.189+/-0.023 χ^2/NDF: 18761338.5/47

In: 159.529+/-0.027 χ^2/NDF:22827433.1/43

Out: 185.385+/-0.028 χ^2/NDF:19908158.3/51

All: 172.101+/-0.020 χ^2/NDF: 43170476.5/95



Right In: 34.179+/-19.918 χ^2/NDF: 20.4/20

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 66.793+/-18.322 χ^2/NDF: 37.0/26

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

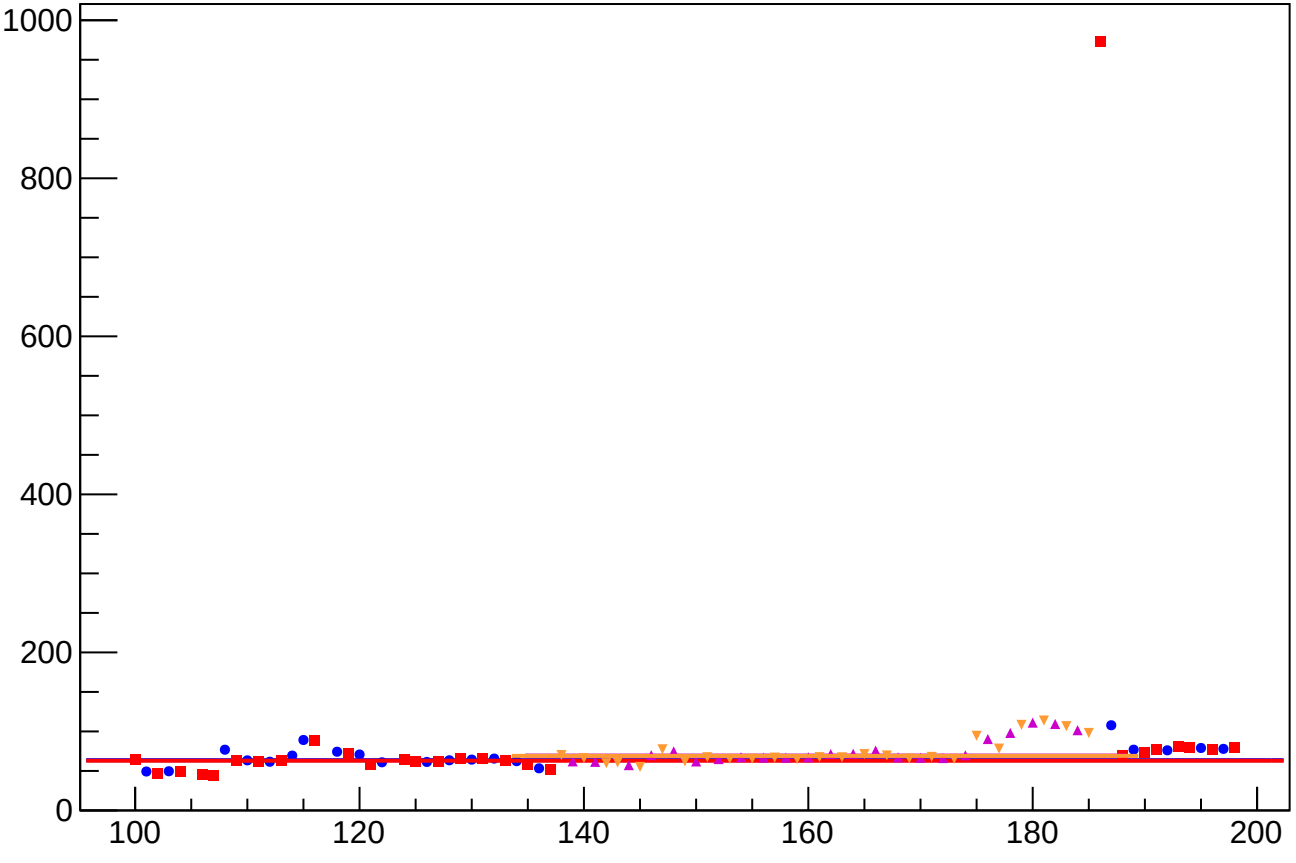
Right: 51.845+/-13.484 χ^2/NDF: 58.9/47

In: 32.094+/-12.708 χ^2/NDF:42.9/43

Out: 32.527+/-12.042 χ^2/NDF:68.3/51

All: 32.322+/-8.741 χ^2/NDF: 111.1/95

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 63.610+/-0.014 χ^2/NDF: 618450.1/20

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 62.974+/-0.013 χ^2/NDF: 1515702.6/26

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

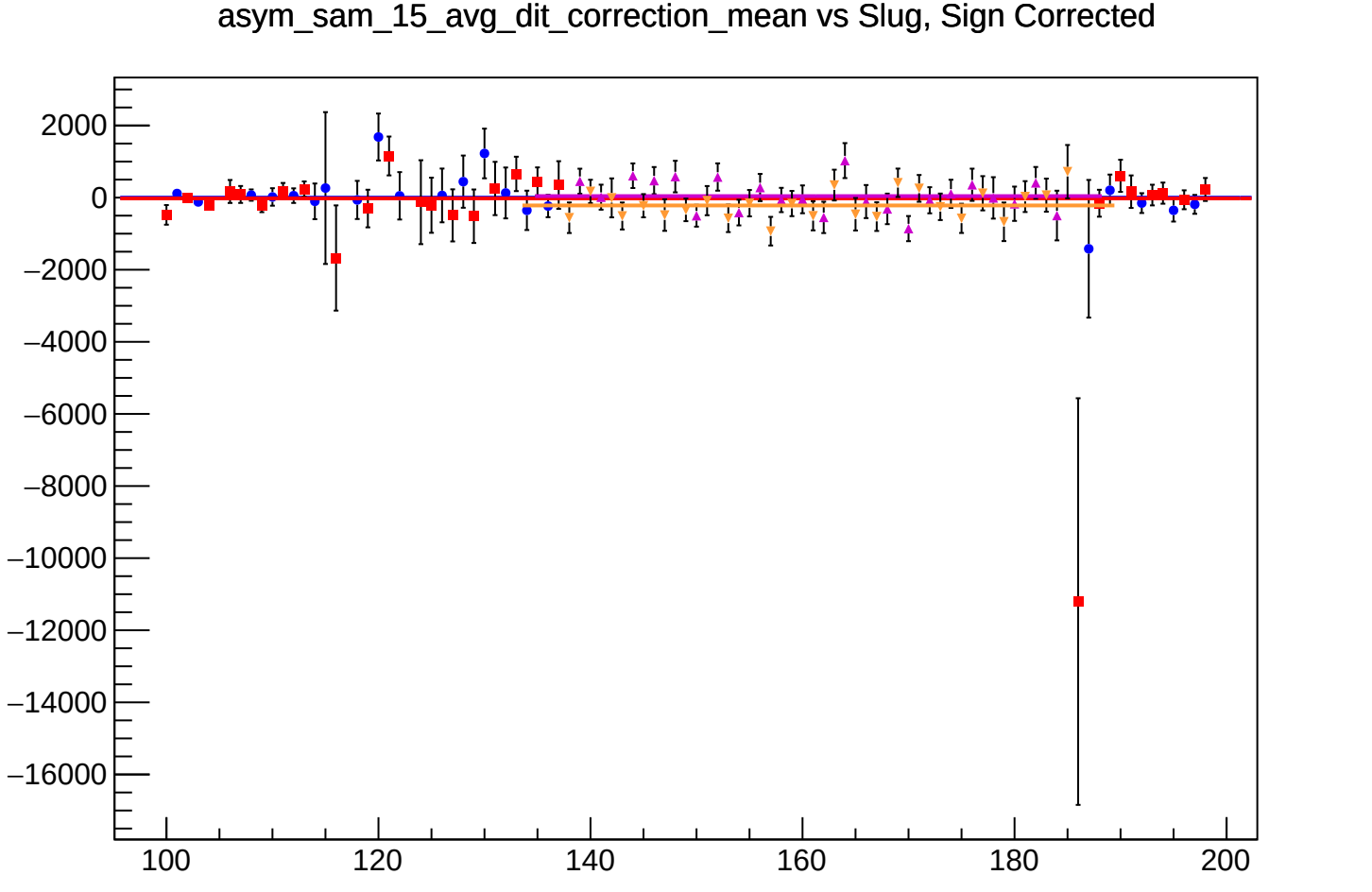
Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

Right: 63.266+/-0.010 χ^2/NDF: 2135255.1/47

In: 67.065+/-0.009 χ^2/NDF:1644535.3/43

Out: 66.442+/-0.009 χ^2/NDF:2715801.0/51

All: 66.736+/-0.006 χ^2/NDF: 4362867.3/95



Right In: -1.106+/-50.508 χ^2/NDF: 17.6/20

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: -22.039+/-48.880 χ^2/NDF: 28.9/26

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

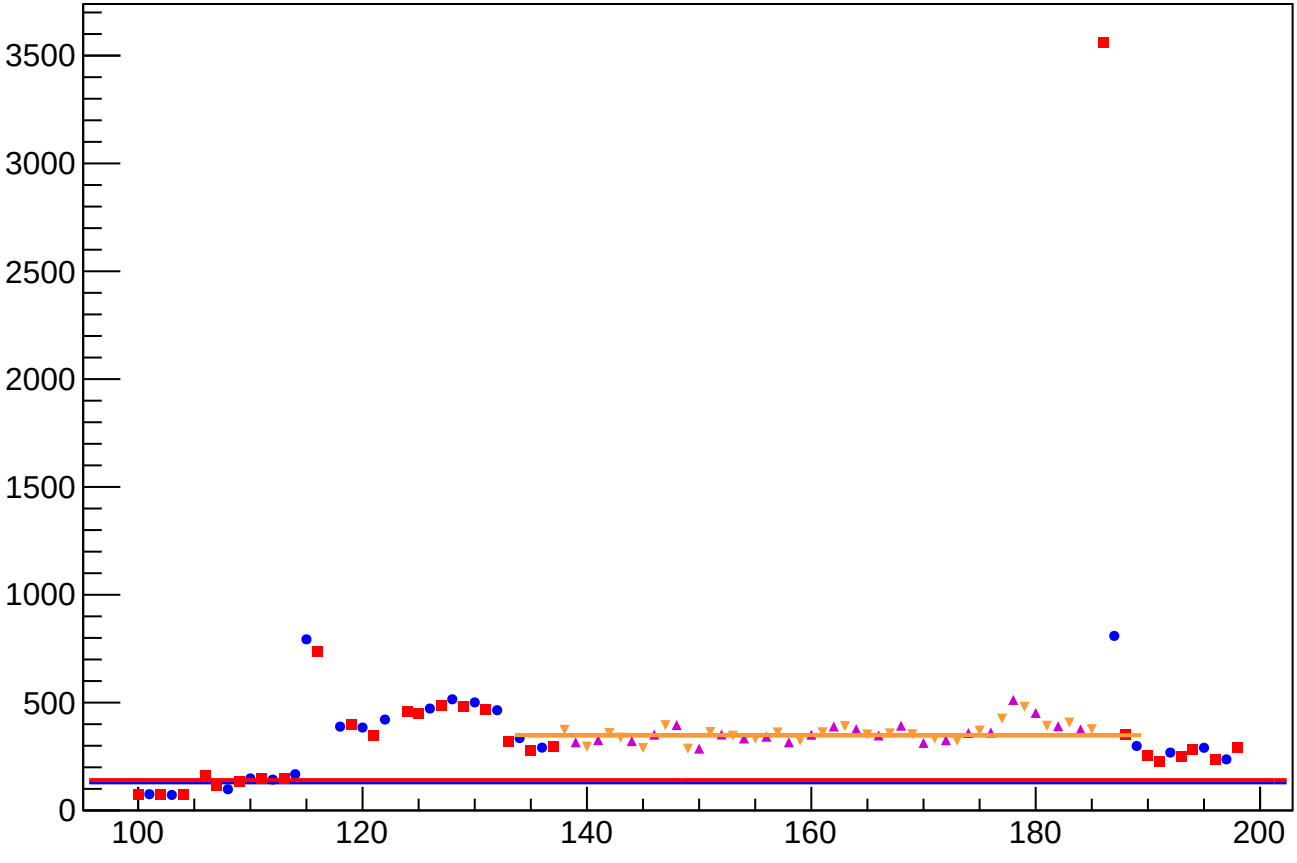
Right: -11.915+/-35.125 χ^2/NDF: 46.6/47

In: 10.563+/-43.042 χ^2/NDF:47.8/43

Out: -75.004+/-41.730 χ^2/NDF:52.5/51

All: -33.544+/-29.960 χ^2/NDF: 102.4/95

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 130.238+/-0.036 χ^2/NDF: 7736497.7/20

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 140.738+/-0.035 χ^2/NDF: 8608137.7/26

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

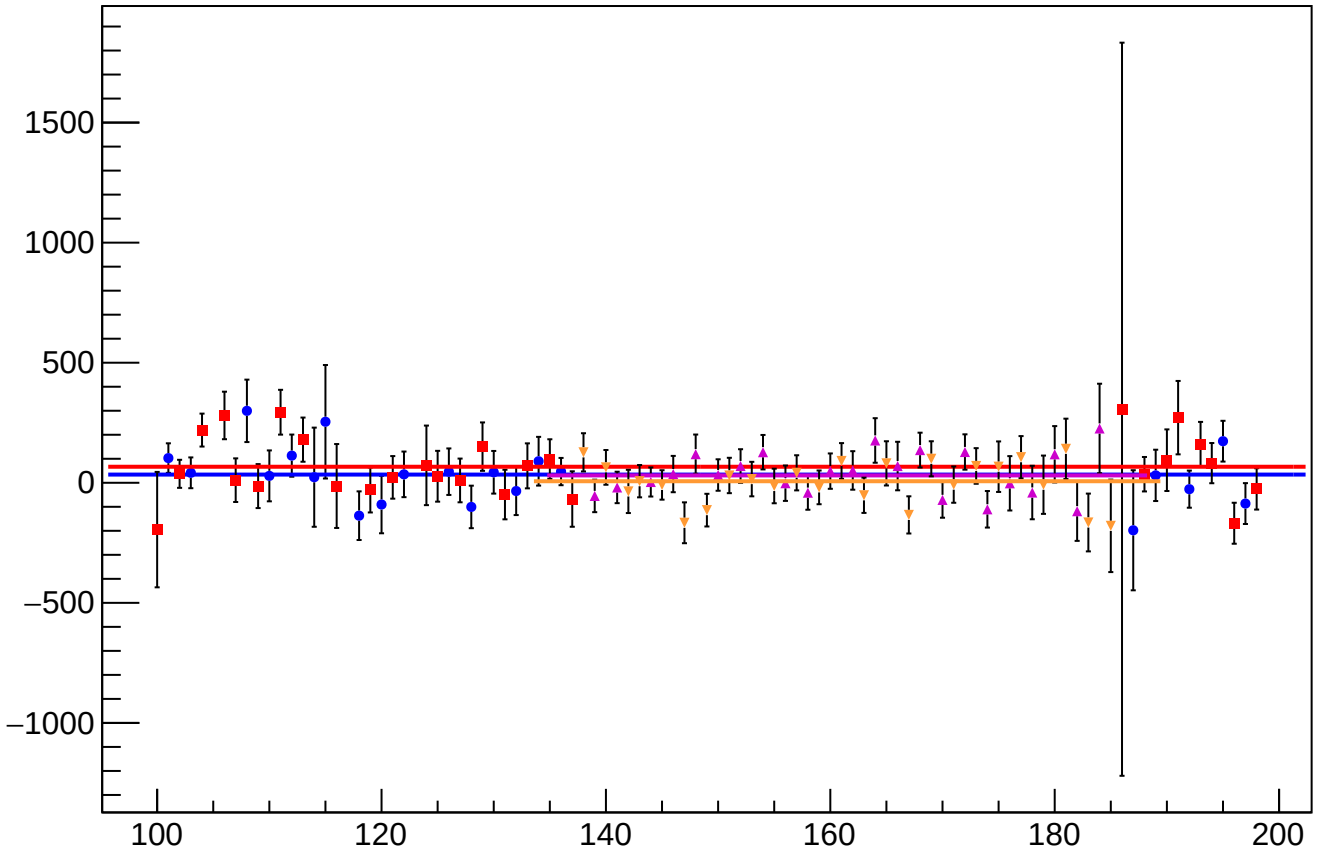
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 135.660+/-0.025 χ^2/NDF: 16389265.9/47

In: 190.015+/-0.030 χ^2/NDF:18493799.9/43

Out: 197.263+/-0.030 χ^2/NDF:18994579.5/51

All: 193.751+/-0.021 χ^2/NDF: 37517610.4/95



Right In: 34.179+/-19.918 χ^2/NDF: 20.4/20

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 66.793+/-18.322 χ^2/NDF: 37.0/26

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

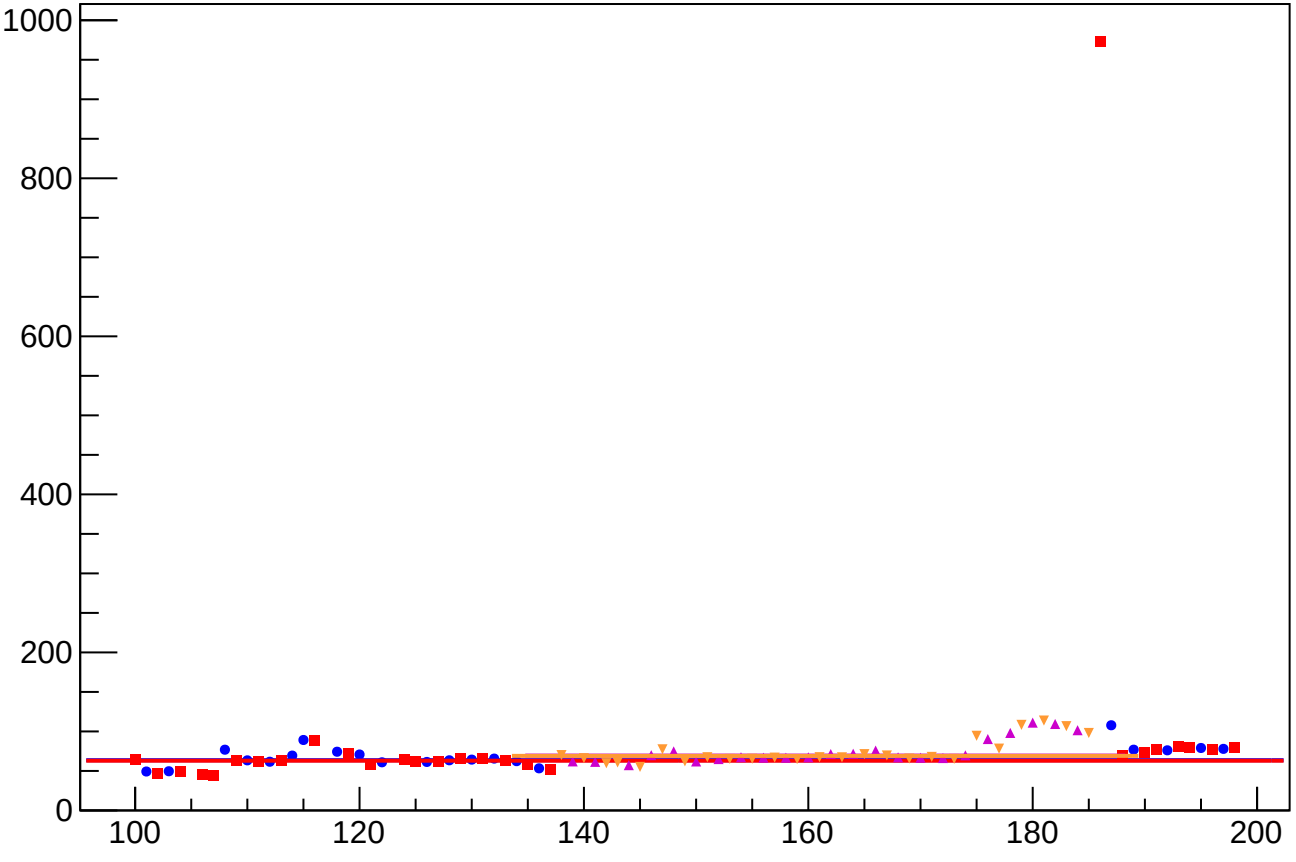
Right: 51.845+/-13.484 χ^2/NDF: 58.9/47

In: 32.094+/-12.708 χ^2/NDF:42.9/43

Out: 32.527+/-12.042 χ^2/NDF:68.3/51

All: 32.322+/-8.741 χ^2/NDF: 111.1/95

eigen_dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 63.610+/-0.014 χ^2/NDF: 618449.7/20

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 62.974+/-0.013 χ^2/NDF: 1515700.1/26

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

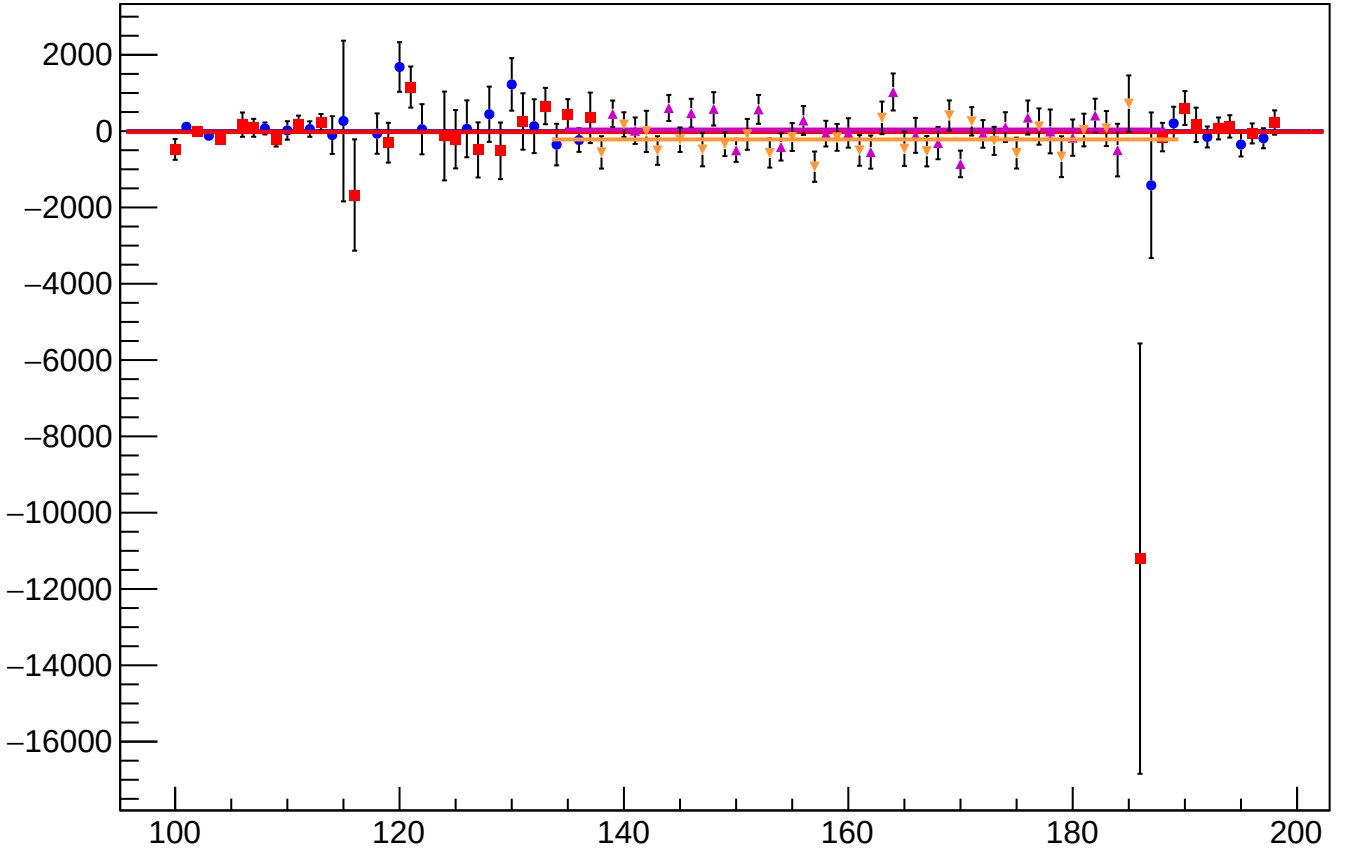
Right: 63.266+/-0.010 χ^2/NDF: 2135252.1/47

In: 67.065+/-0.009 χ^2/NDF:1644527.0/43

Out: 66.442+/-0.009 χ^2/NDF:2715787.2/51

All: 66.736+/-0.006 χ^2/NDF: 4362845.5/95

asym_sam_15_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1.106+/-50.508 χ^2/NDF: 17.6/20

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: -22.039+/-48.880 χ^2/NDF: 28.9/26

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

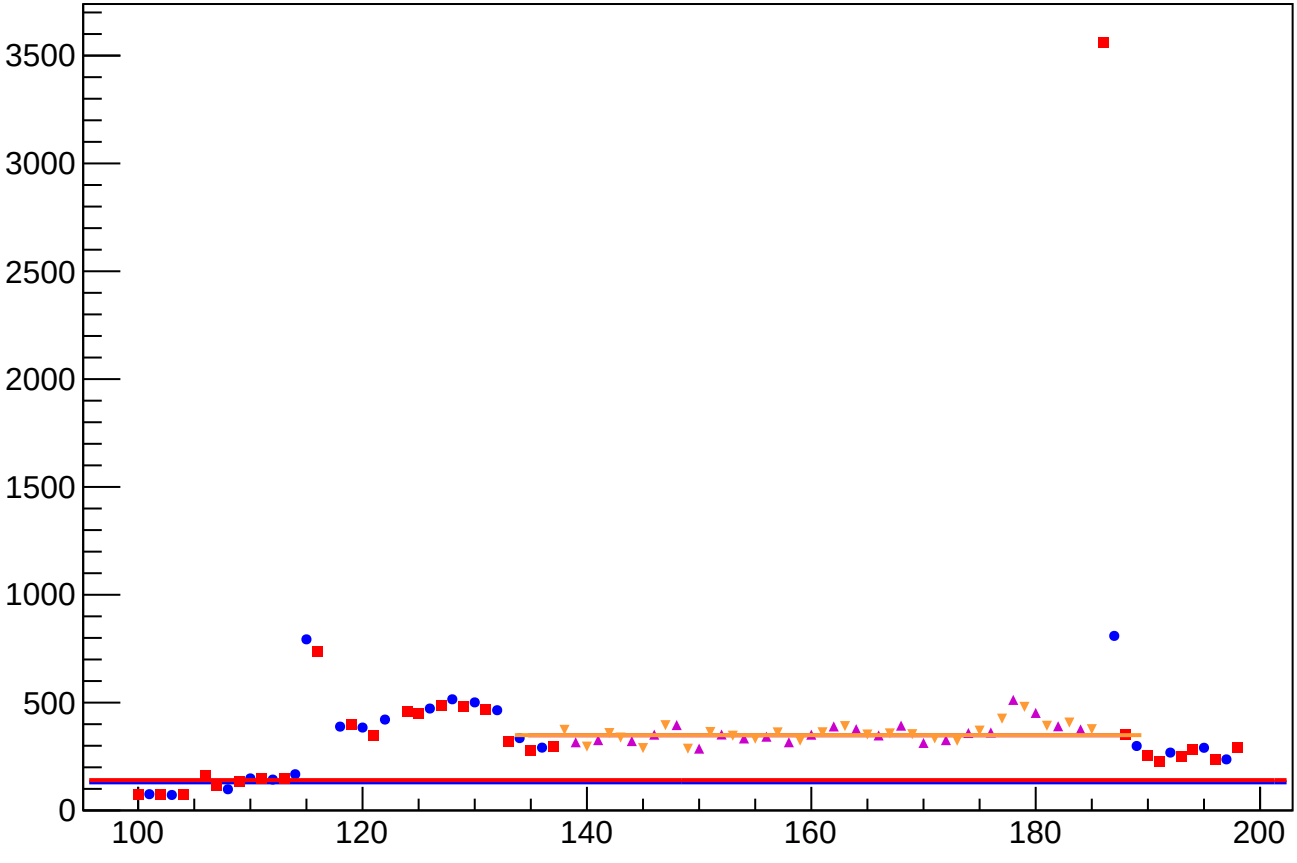
Right: -11.915+/-35.125 χ^2/NDF: 46.6/47

In: 10.563+/-43.042 χ^2/NDF:47.8/43

Out: -75.003+/-41.730 χ^2/NDF:52.5/51

All: -33.544+/-29.960 χ^2/NDF: 102.4/95

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 130.238+/-0.036 χ^2/NDF: 7736501.3/20

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 140.737+/-0.035 χ^2/NDF: 8608167.4/26

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

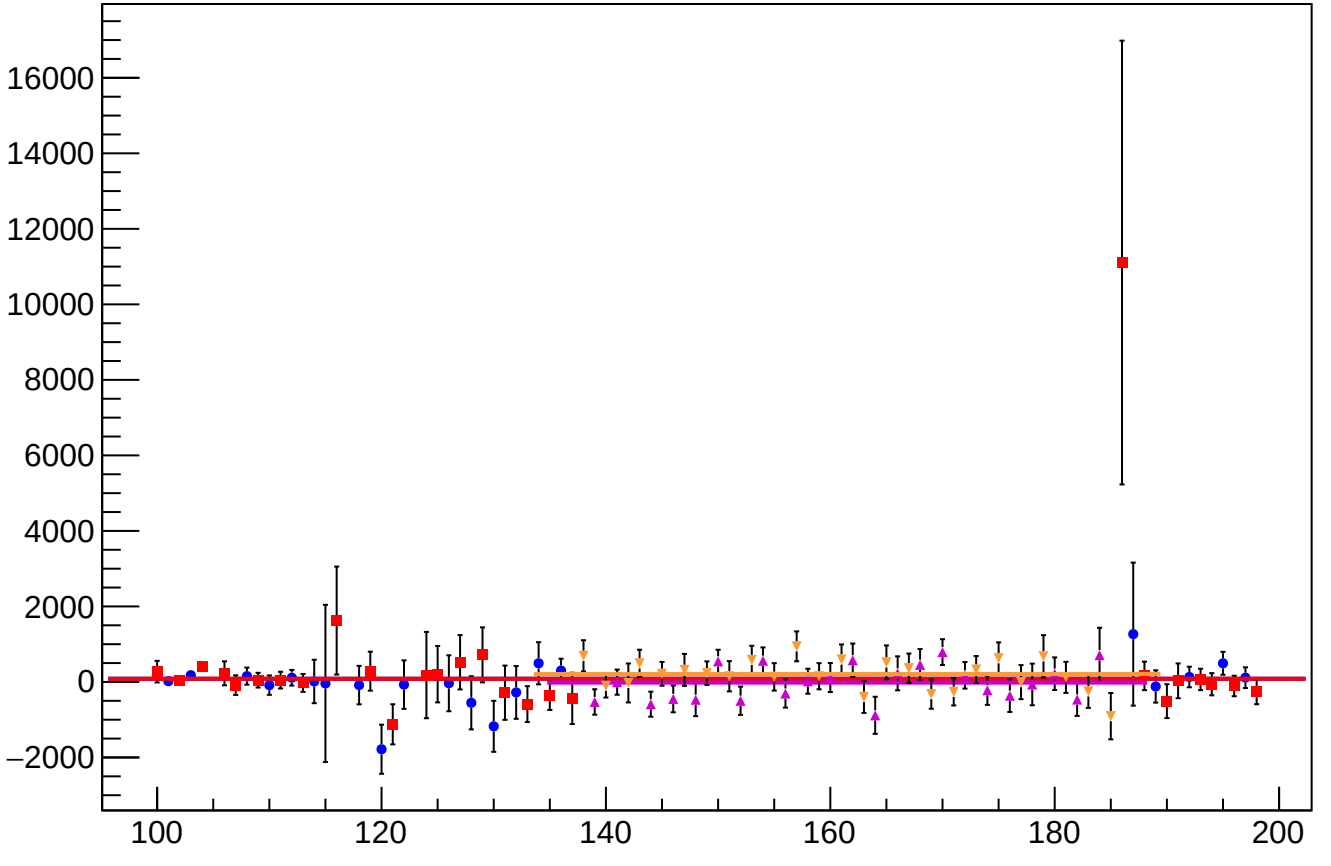
Right: 135.659+/-0.025 χ^2/NDF: 16389298.0/47

In: 190.015+/-0.030 χ^2/NDF:18493864.1/43

Out: 197.262+/-0.030 χ^2/NDF:18994681.1/51

All: 193.751+/-0.021 χ^2/NDF: 37517775.3/95

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 83.996+/-55.139 χ^2/NDF: 18.3/20

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: 85.673+/-52.596 χ^2/NDF: 28.7/26

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

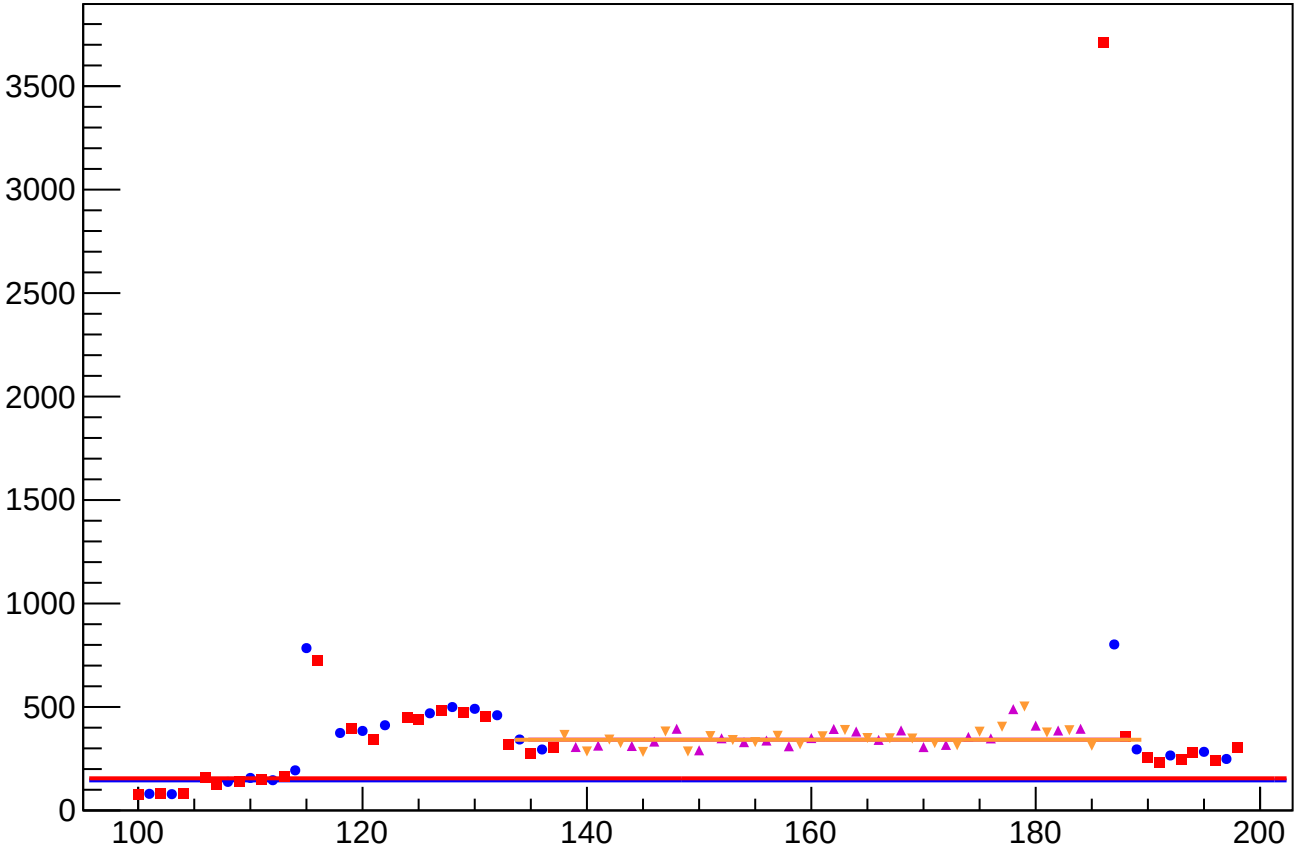
Right: 84.874+/-38.058 χ^2/NDF: 47.0/47

In: 51.299+/-45.527 χ^2/NDF:51.5/43

Out: 124.129+/-43.697 χ^2/NDF:51.8/51

All: 89.207+/-31.525 χ^2/NDF: 104.6/95

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 145.354+/-0.039 χ^2/NDF: 7001097.2/20

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

Right Out: 155.286+/-0.037 χ^2/NDF: 7686423.2/26

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

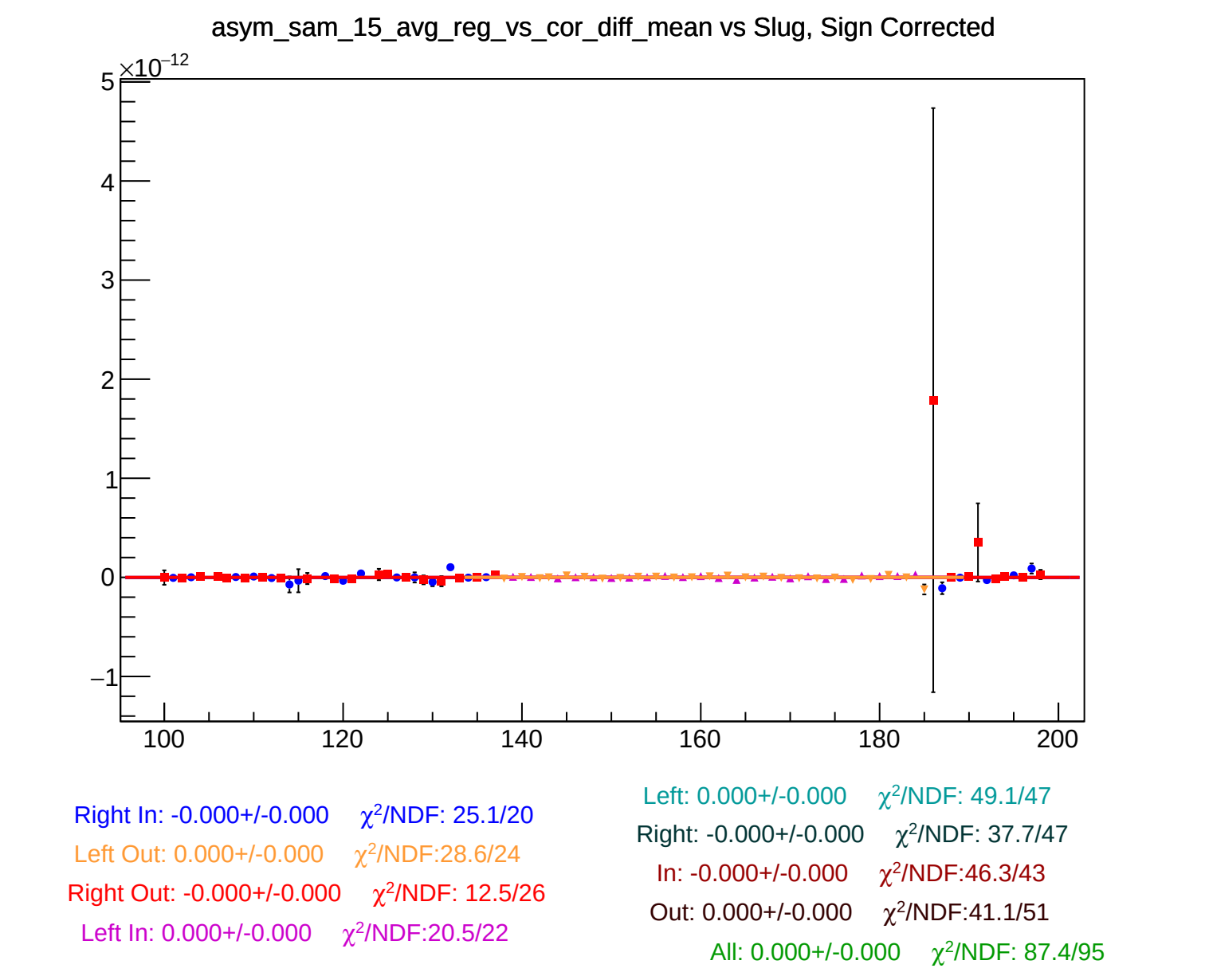
Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

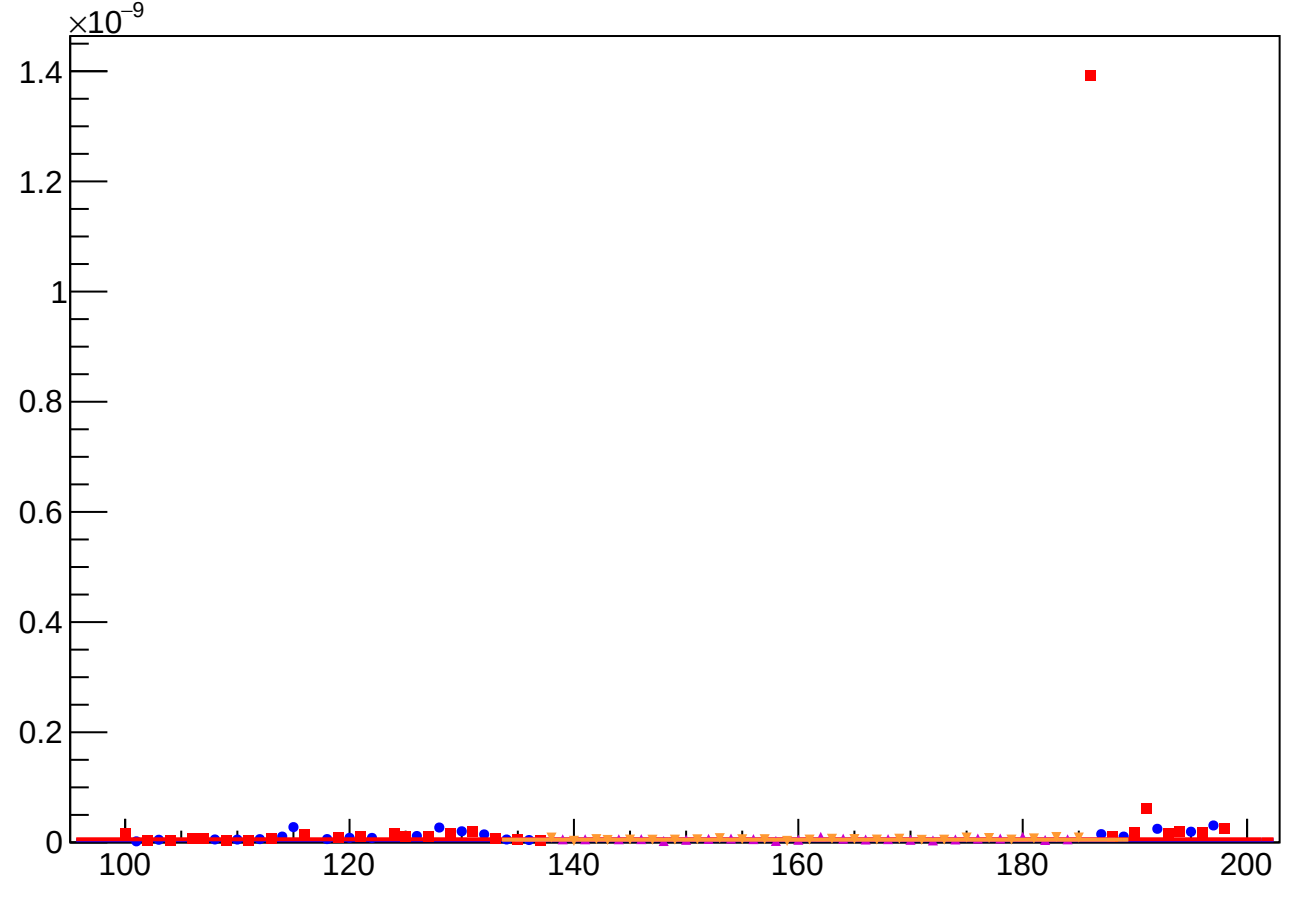
Right: 150.554+/-0.027 χ^2/NDF: 14721496.1/47

In: 207.922+/-0.032 χ^2/NDF:15578018.1/43

Out: 212.994+/-0.031 χ^2/NDF:16013624.9/51

All: 210.562+/-0.022 χ^2/NDF: 31604567.1/95


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: 25.1/20
Left Out: 0.000+/-0.000 χ²/NDF:28.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 12.5/26
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: 37.7/47
In: -0.000+/-0.000 χ²/NDF:46.3/43
Out: 0.000+/-0.000 χ²/NDF:41.1/51
All: 0.000+/-0.000 χ²/NDF: 87.4/95



Right In: 0.000+/-0.000 χ^2/NDF: 4062472.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3584775.6/26

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

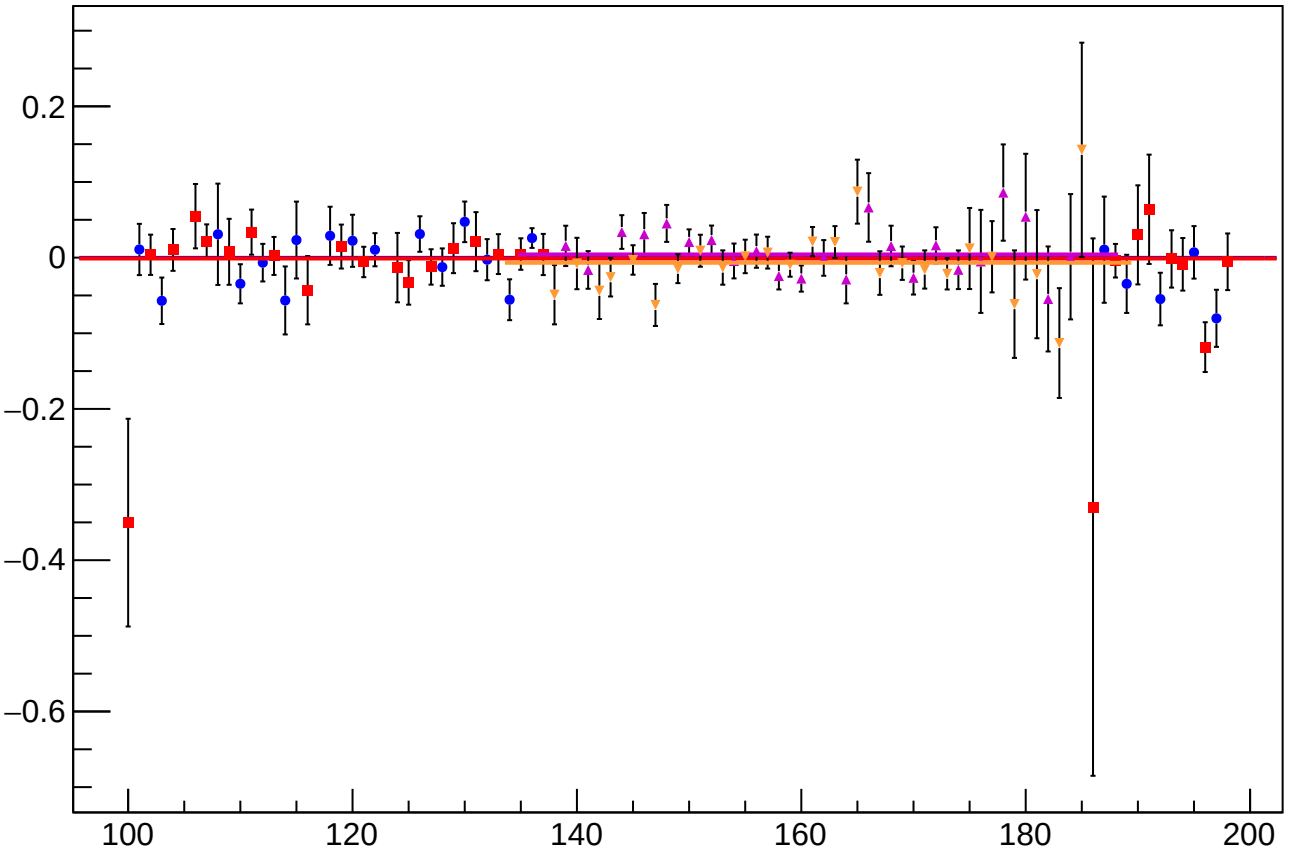
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 8013496.8/47

In: 0.000+/-0.000 χ^2/NDF:5454054.6/43

Out: 0.000+/-0.000 χ^2/NDF:4953794.8/51

All: 0.000+/-0.000 χ^2/NDF: 10562214.3/95



Right In: -0.000+/-0.006 χ^2/NDF: 29.8/20

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.001+/-0.006 χ^2/NDF: 28.8/26

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

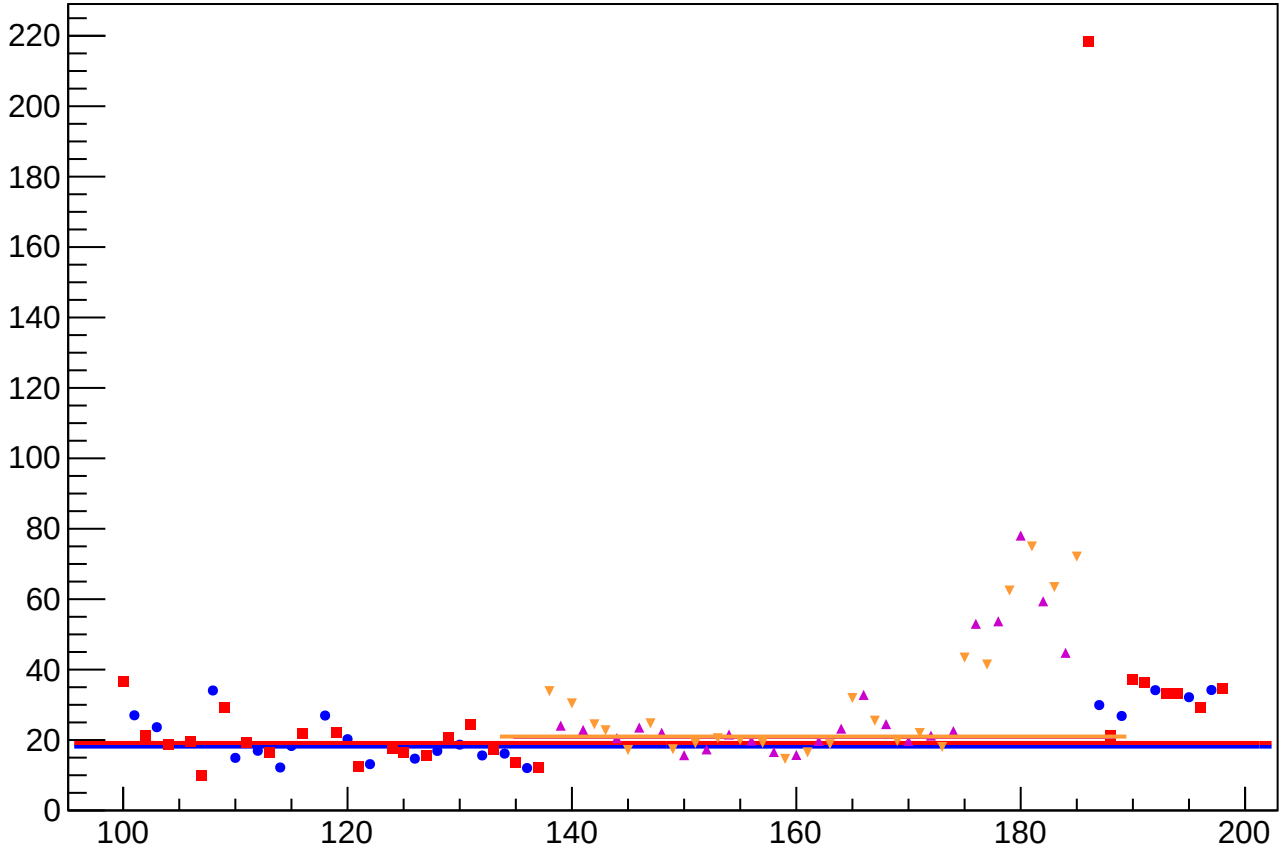
Right: -0.001+/-0.004 χ^2/NDF: 58.6/47

In: 0.002+/-0.004 χ^2/NDF:53.3/43

Out: -0.004+/-0.004 χ^2/NDF:51.0/51

All: -0.001+/-0.003 χ^2/NDF: 105.7/95

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.133+/-0.004 χ^2/NDF: 2387841.5/20

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 19.172+/-0.004 χ^2/NDF: 3165406.0/26

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

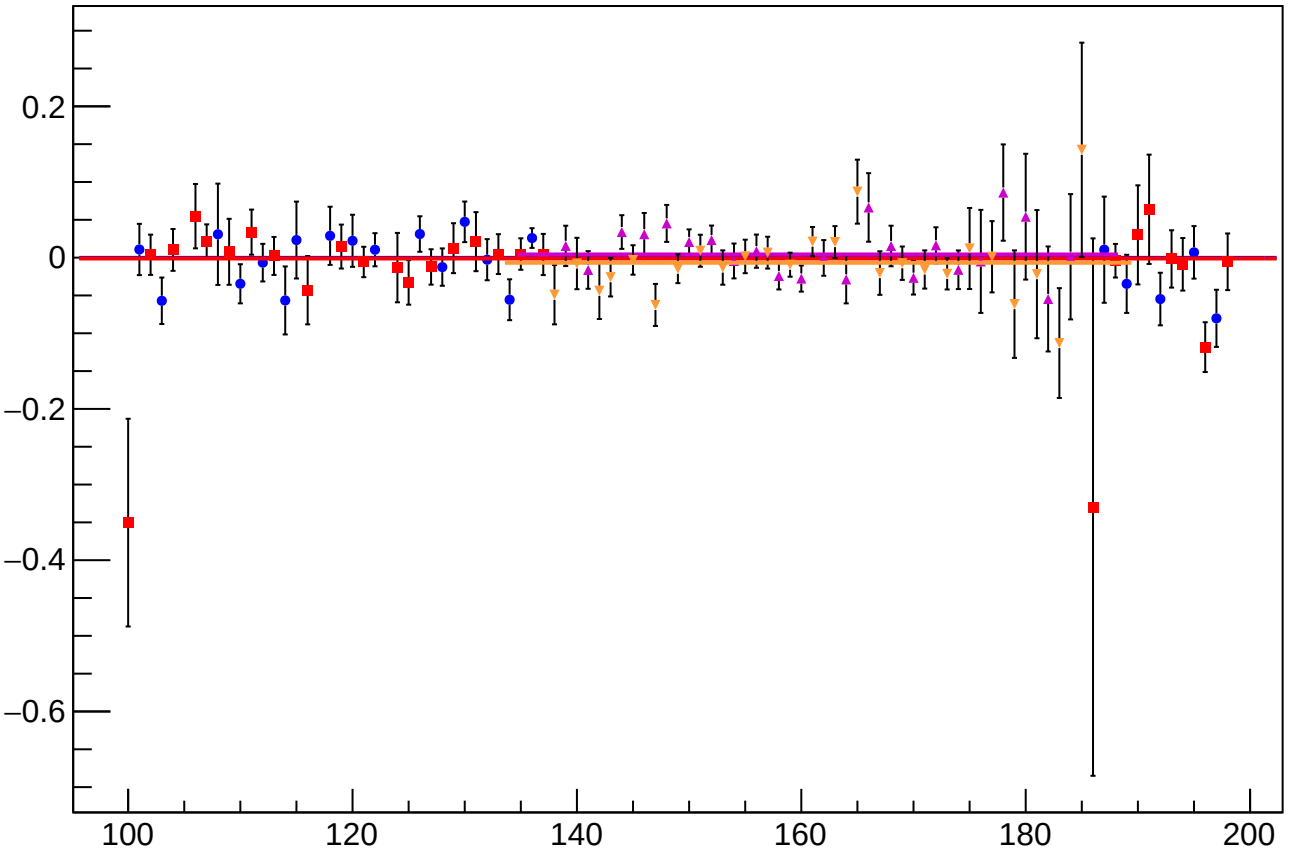
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 18.671+/-0.003 χ^2/NDF: 5582791.5/47

In: 19.705+/-0.003 χ^2/NDF:6149933.9/43

Out: 20.195+/-0.003 χ^2/NDF:7737467.2/51

All: 19.956+/-0.002 χ^2/NDF: 13902695.4/95



Right In: -0.000+/-0.006 χ^2/NDF: 29.8/20

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.001+/-0.006 χ^2/NDF: 28.8/26

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

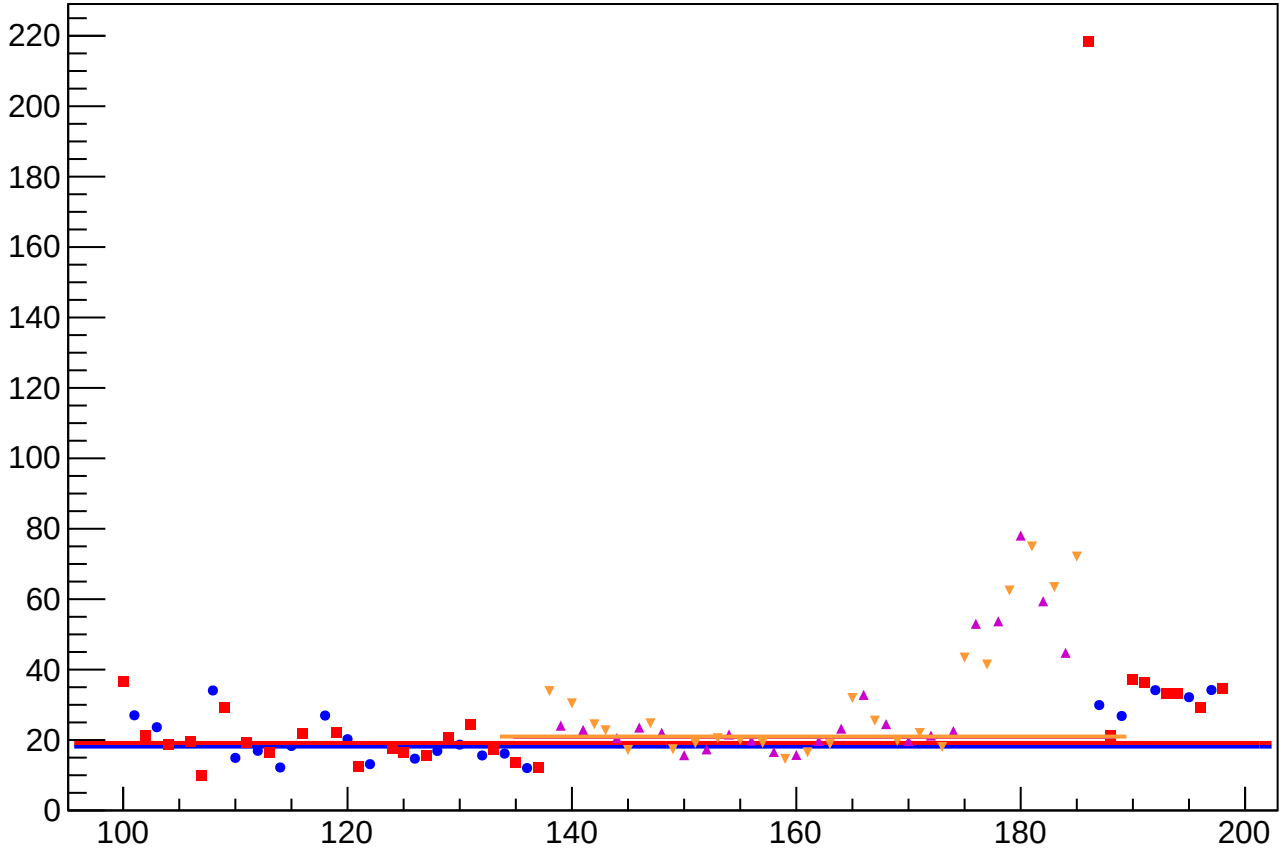
Right: -0.001+/-0.004 χ^2/NDF: 58.6/47

In: 0.002+/-0.004 χ^2/NDF:53.3/43

Out: -0.004+/-0.004 χ^2/NDF:51.0/51

All: -0.001+/-0.003 χ^2/NDF: 105.7/95

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.133+/-0.004 χ^2/NDF: 2387841.5/20

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 19.172+/-0.004 χ^2/NDF: 3165406.0/26

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

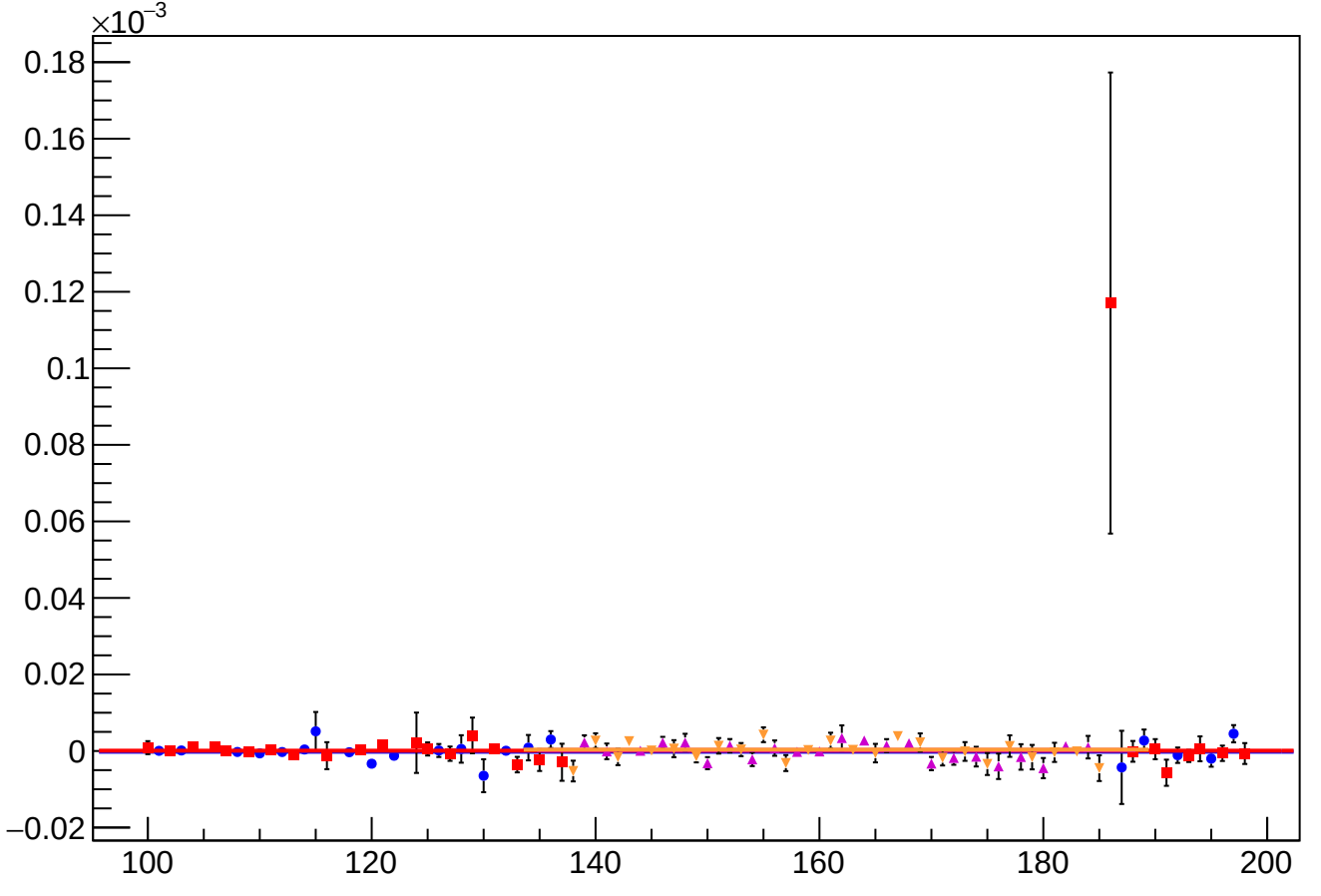
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 18.671+/-0.003 χ^2/NDF: 5582791.5/47

In: 19.705+/-0.003 χ^2/NDF:6149933.9/43

Out: 20.195+/-0.003 χ^2/NDF:7737467.2/51

All: 19.956+/-0.002 χ^2/NDF: 13902695.4/95



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.9/26

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

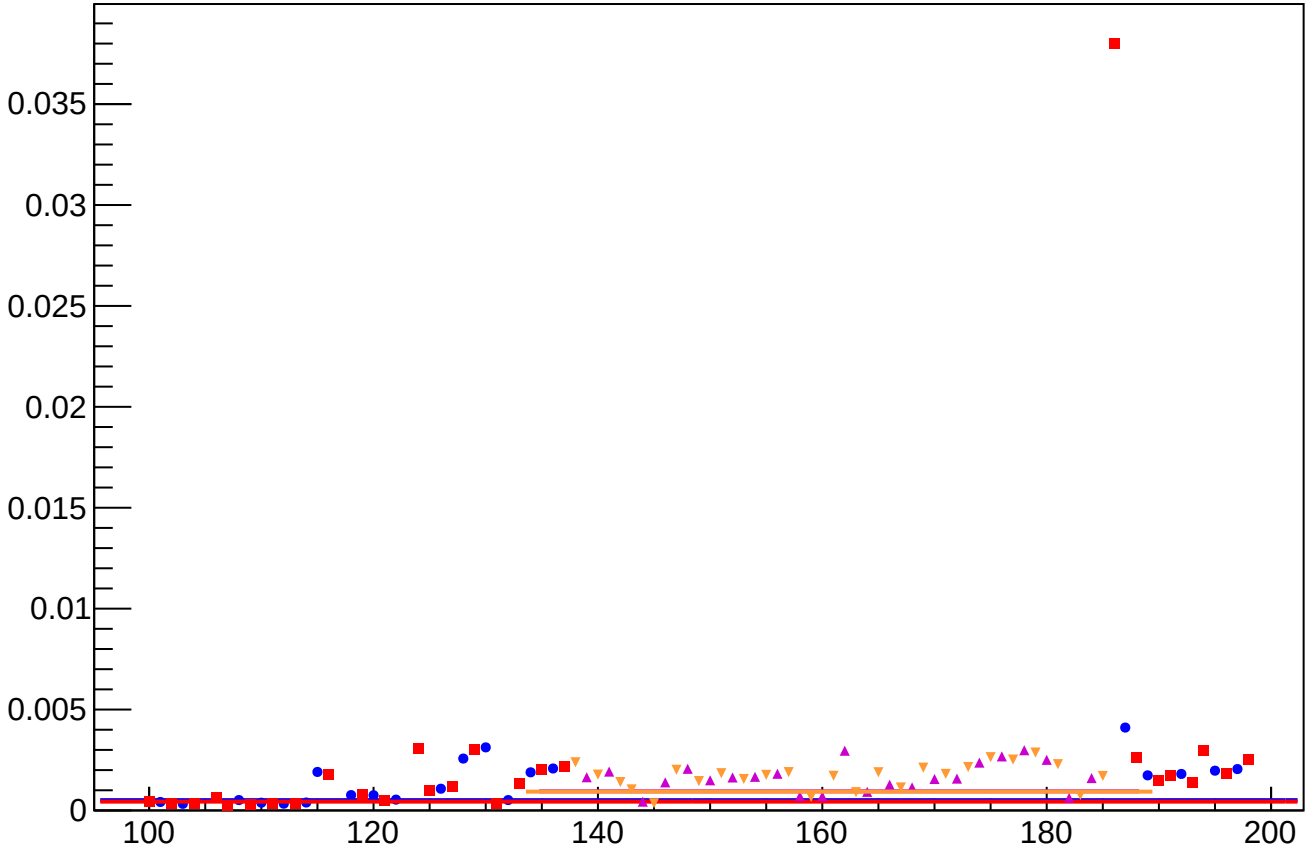
Right: -0.000+/-0.000 χ^2/NDF: 49.9/47

In: -0.000+/-0.000 χ^2/NDF:54.5/43

Out: 0.000+/-0.000 χ^2/NDF:62.9/51

All: 0.000+/-0.000 χ^2/NDF: 118.1/95

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7481329.2/20

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10932741.9/26

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

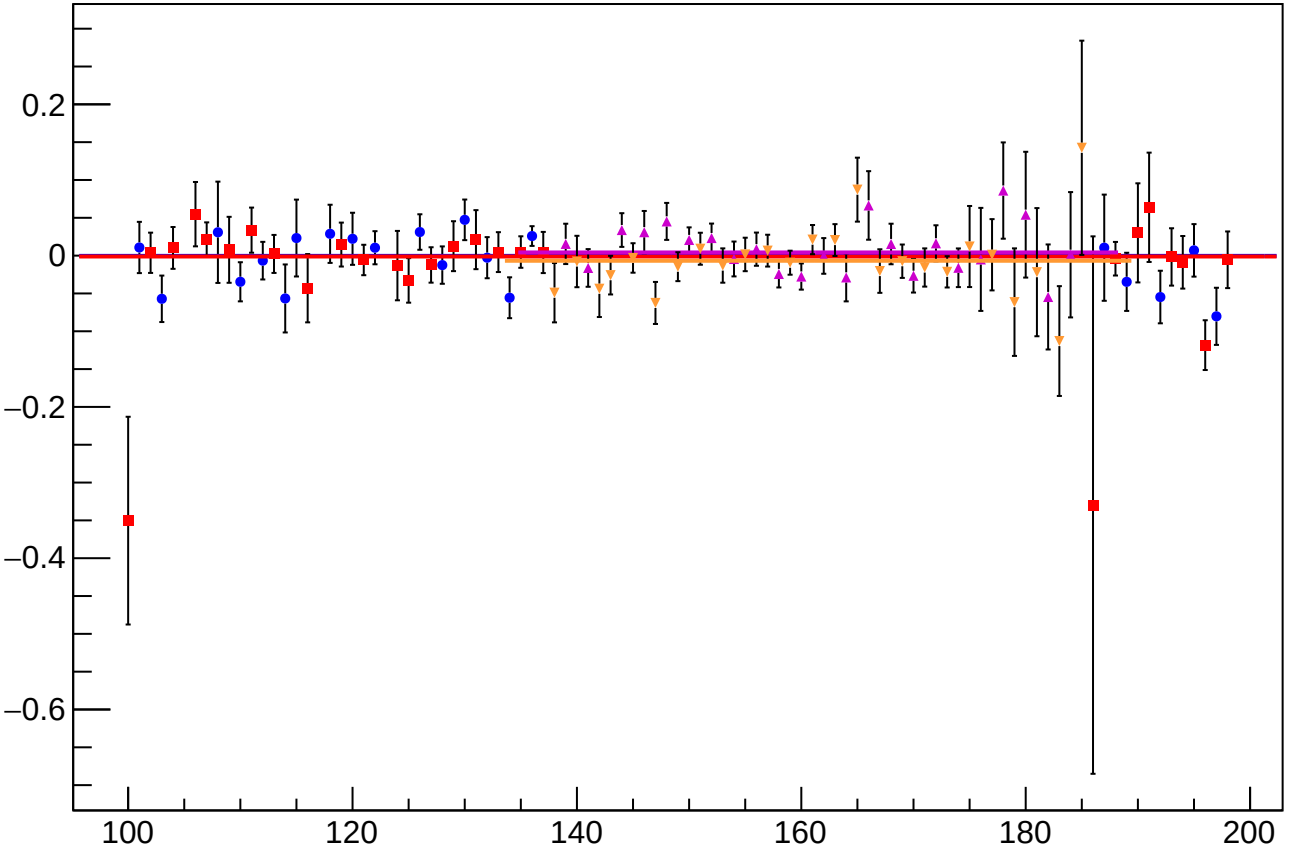
Right: 0.000+/-0.000 χ^2/NDF: 18569446.9/47

In: 0.001+/-0.000 χ^2/NDF:20387465.7/43

Out: 0.001+/-0.000 χ^2/NDF:27989329.3/51

All: 0.001+/-0.000 χ^2/NDF: 48736741.5/95

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.006 χ^2/NDF: 29.8/20

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.001+/-0.006 χ^2/NDF: 28.8/26

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

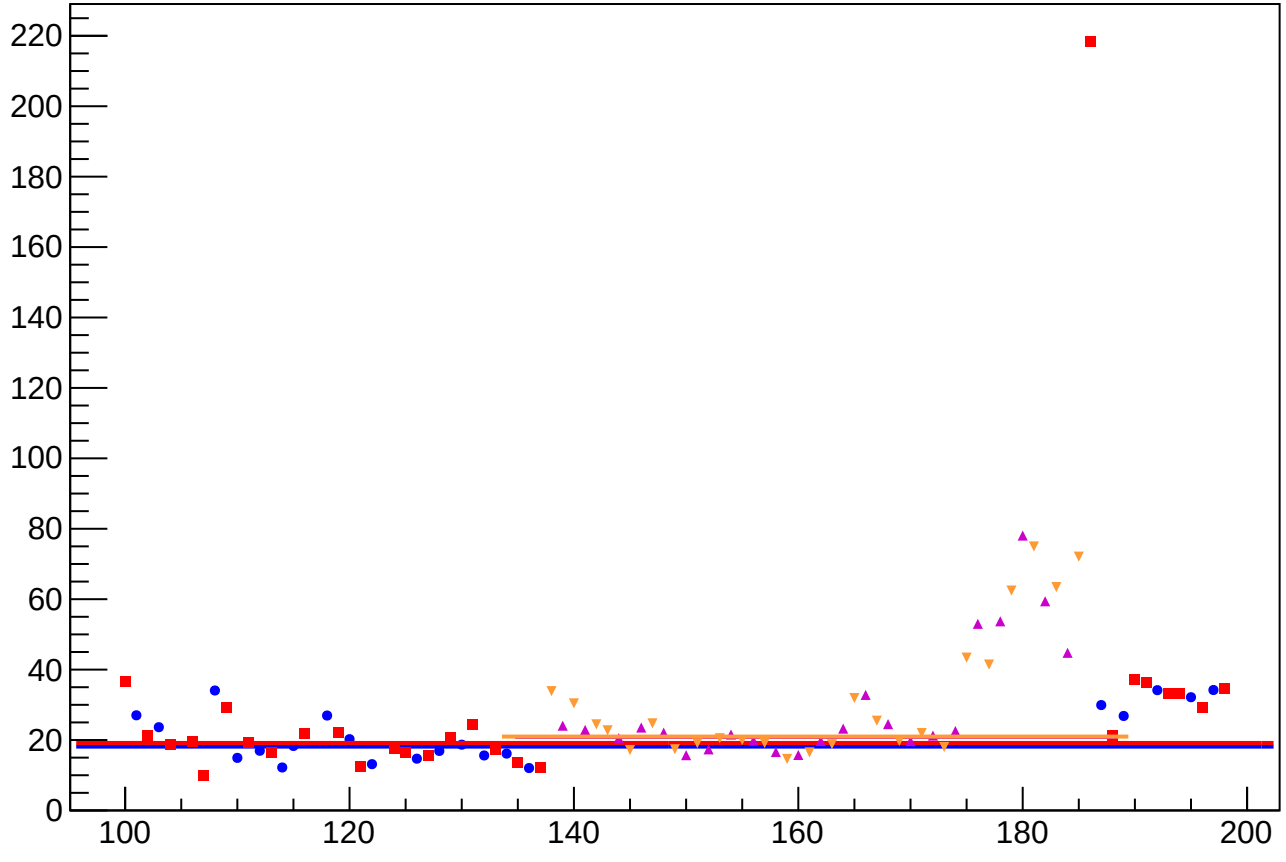
Right: -0.001+/-0.004 χ^2/NDF: 58.6/47

In: 0.002+/-0.004 χ^2/NDF:53.3/43

Out: -0.004+/-0.004 χ^2/NDF:51.0/51

All: -0.001+/-0.003 χ^2/NDF: 105.7/95

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.133+/-0.004 χ^2/NDF: 2387861.5/20

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 19.172+/-0.004 χ^2/NDF: 3165426.6/26

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

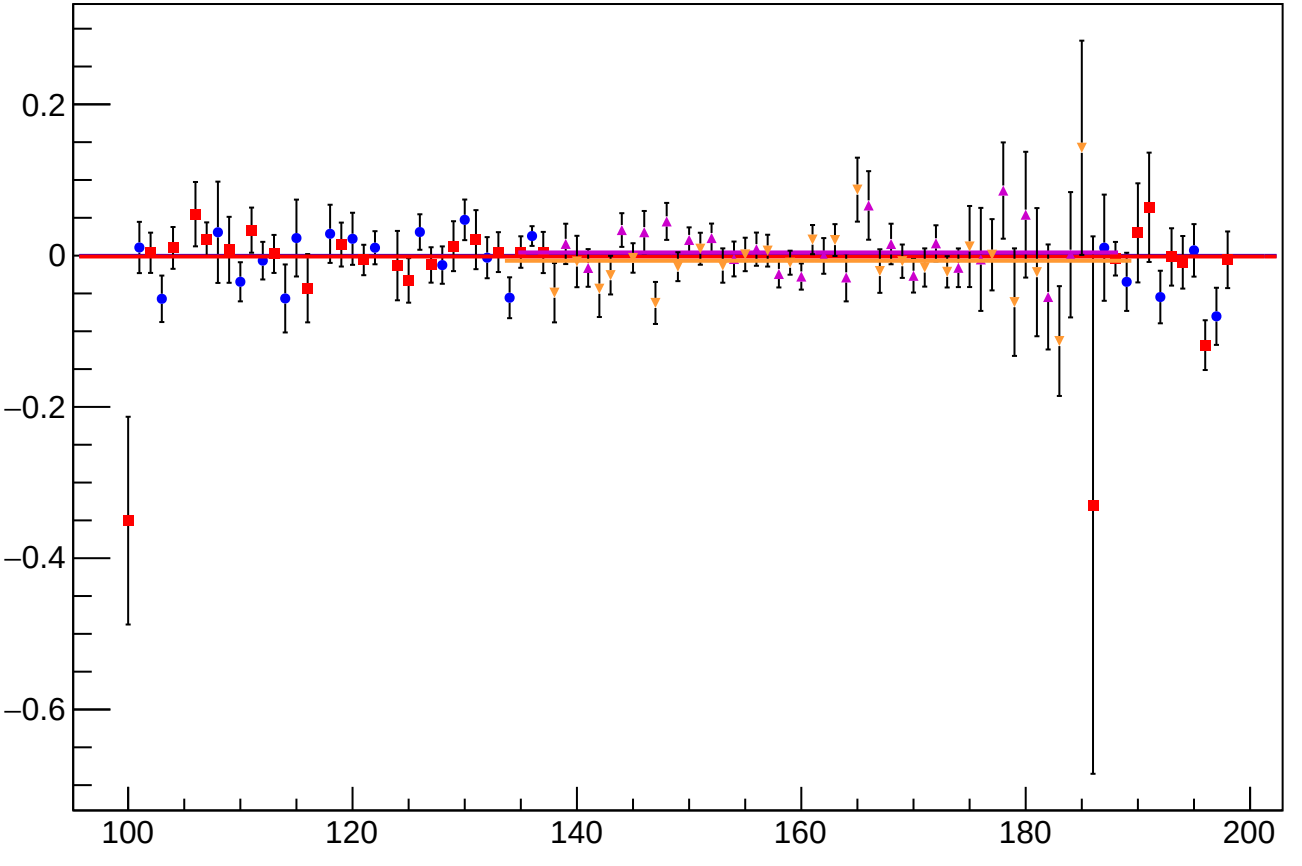
Right: 18.671+/-0.003 χ^2/NDF: 5582828.8/47

In: 19.705+/-0.003 χ^2/NDF:6150041.0/43

Out: 20.195+/-0.003 χ^2/NDF:7737505.2/51

All: 19.956+/-0.002 χ^2/NDF: 13902841.2/95

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.006 χ^2/NDF: 29.8/20

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.001+/-0.006 χ^2/NDF: 28.8/26

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

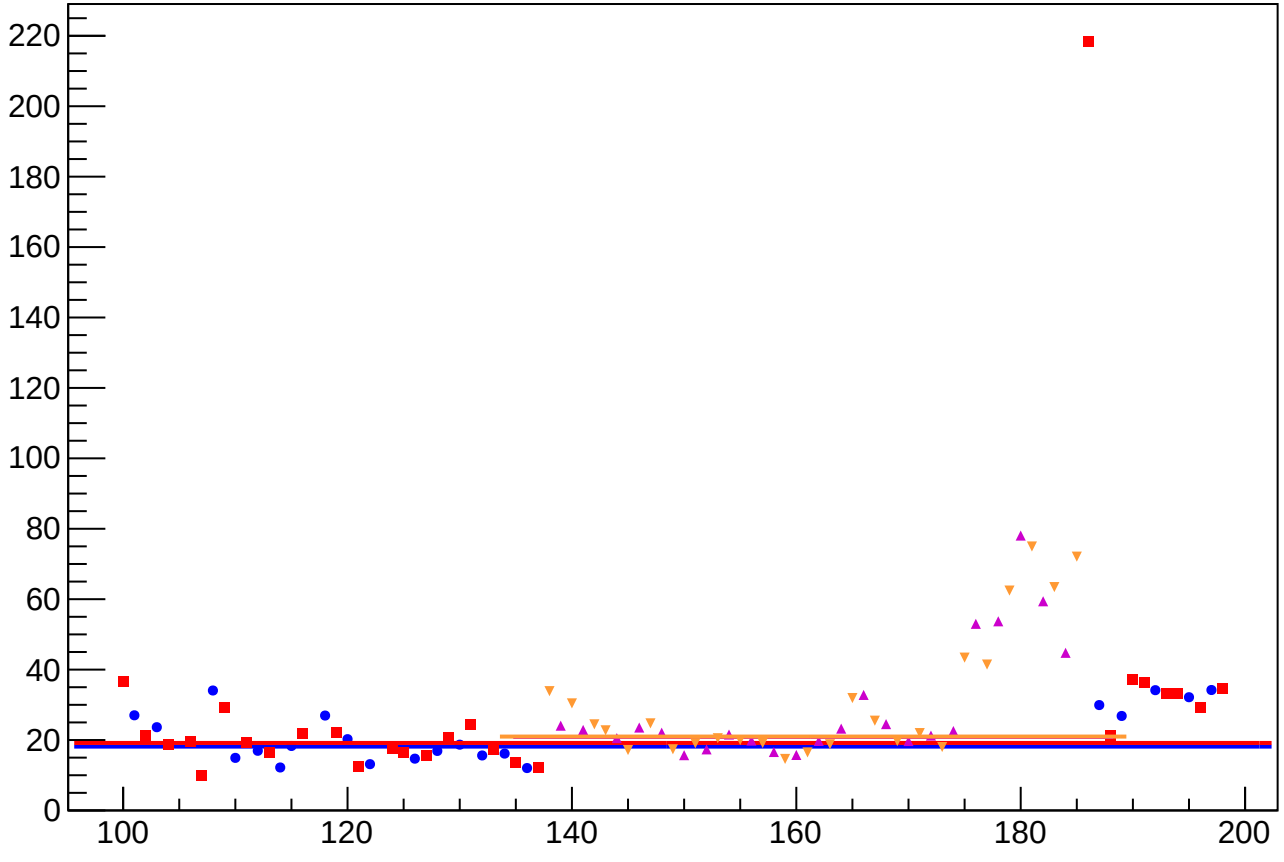
Right: -0.001+/-0.004 χ^2/NDF: 58.6/47

In: 0.002+/-0.004 χ^2/NDF:53.3/43

Out: -0.004+/-0.004 χ^2/NDF:51.0/51

All: -0.001+/-0.003 χ^2/NDF: 105.7/95

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.133+/-0.004 χ^2/NDF: 2387861.5/20

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 19.172+/-0.004 χ^2/NDF: 3165426.6/26

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

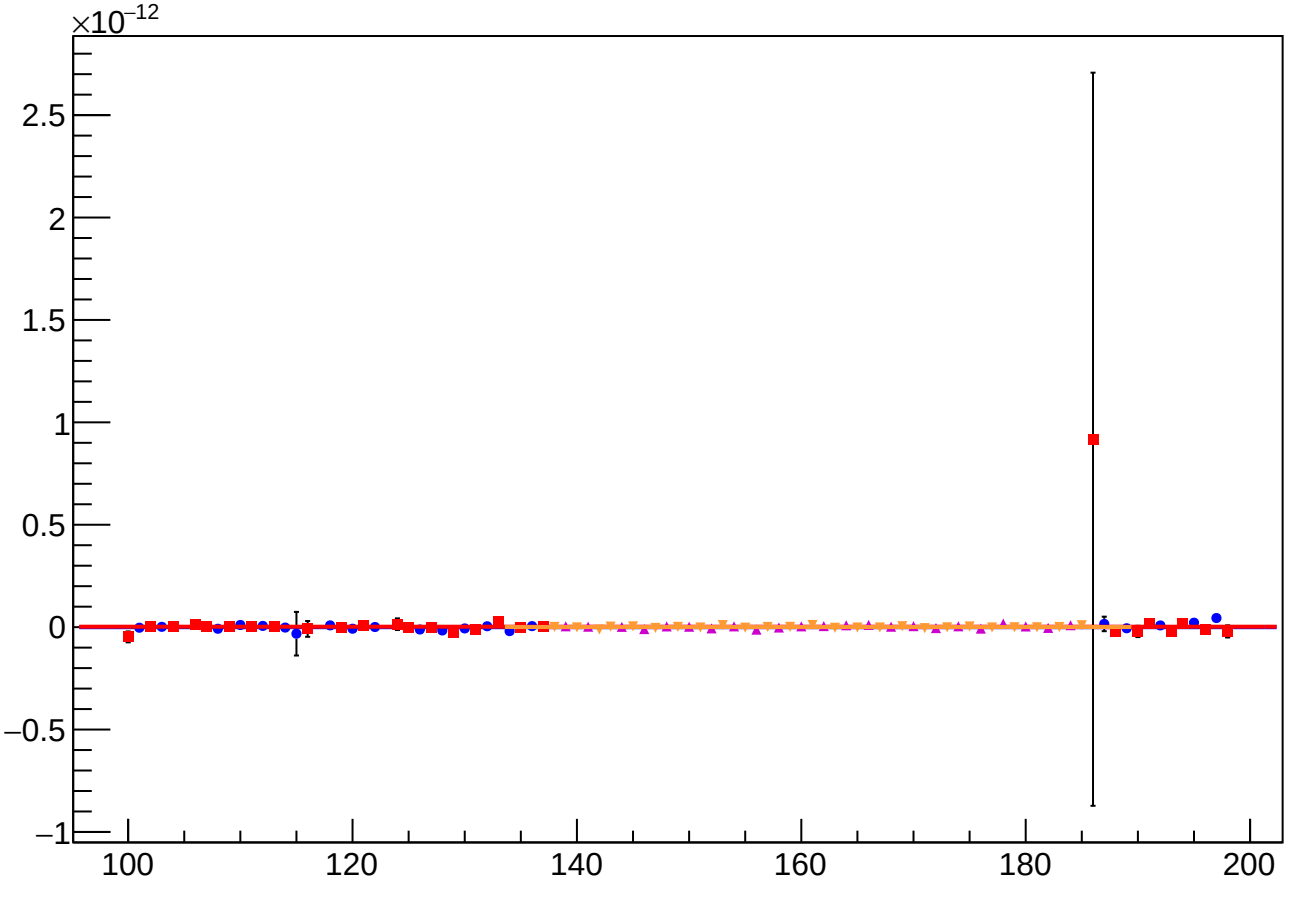
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 18.671+/-0.003 χ^2/NDF: 5582828.8/47

In: 19.705+/-0.003 χ^2/NDF:6150041.0/43

Out: 20.195+/-0.003 χ^2/NDF:7737505.2/51

All: 19.956+/-0.002 χ^2/NDF: 13902841.2/95



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/26

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

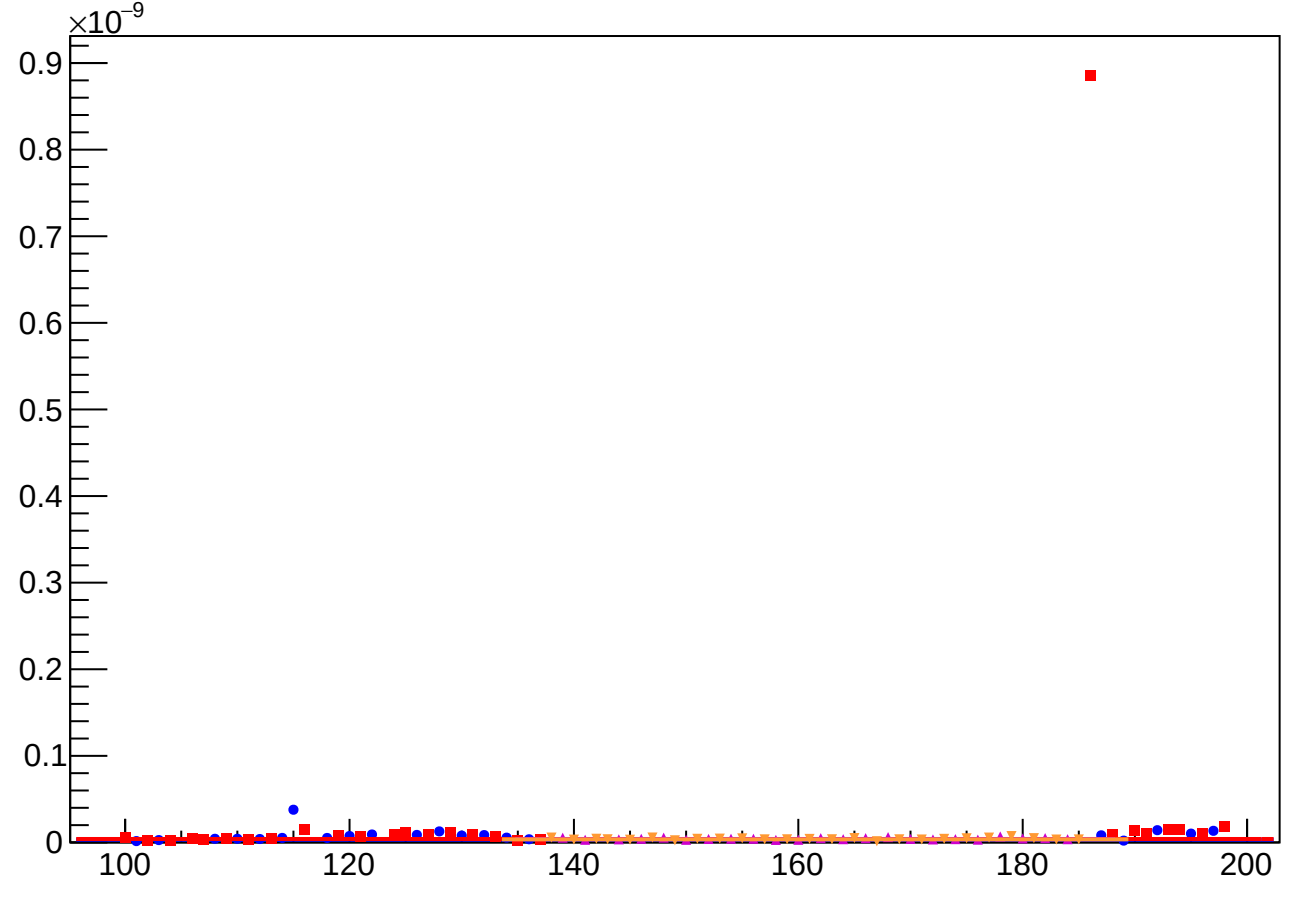
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 41.1/47

In: 0.000+/-0.000 χ^2/NDF:45.2/43

Out: 0.000+/-0.000 χ^2/NDF:36.8/51

All: 0.000+/-0.000 χ^2/NDF: 82.2/95



Right In: 0.000+/-0.000 χ^2/NDF: 4423481.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5801496.5/26

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

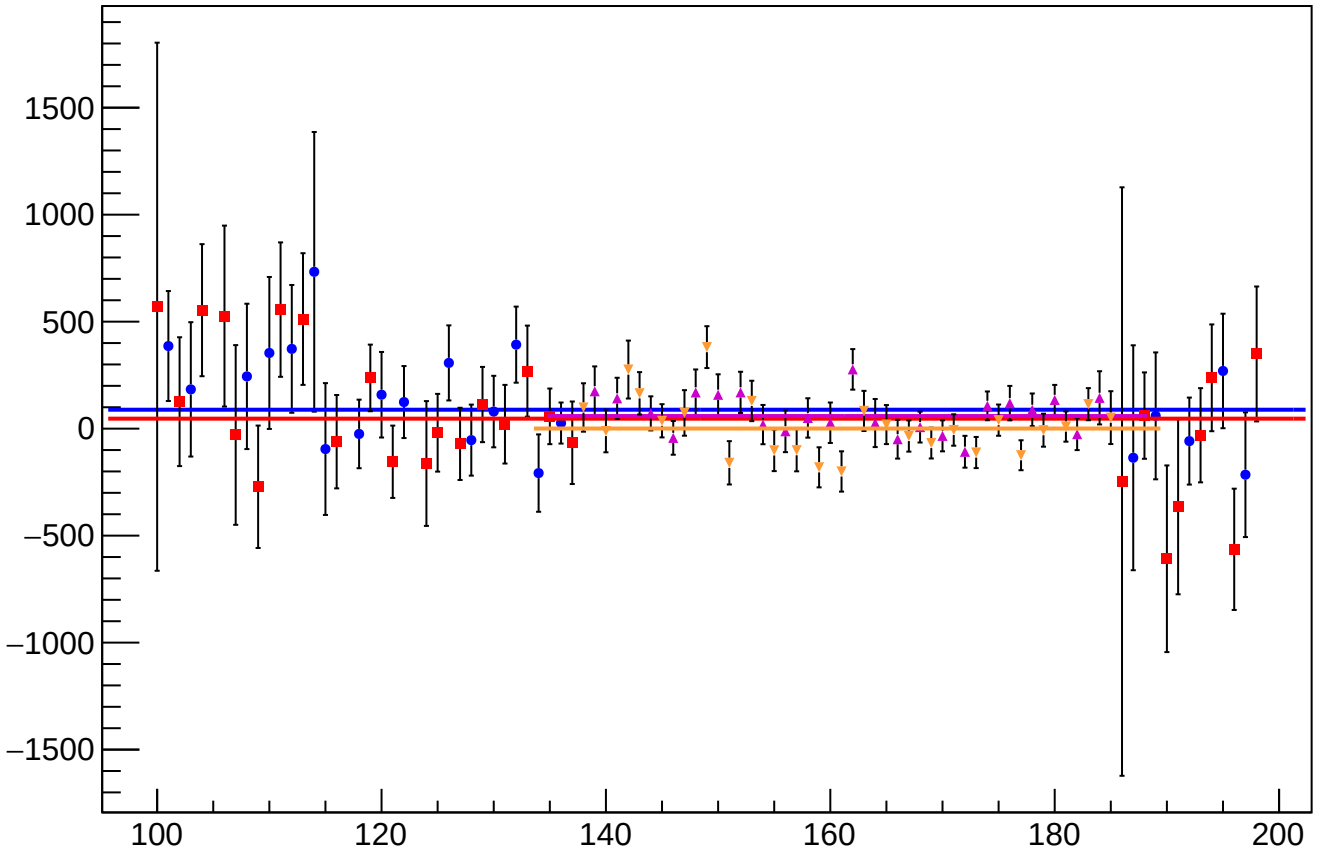
Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

Right: 0.000+/-0.000 χ^2/NDF: 10460350.8/47

In: 0.000+/-0.000 χ^2/NDF:5891410.8/43

Out: 0.000+/-0.000 χ^2/NDF:8432693.1/51

All: 0.000+/-0.000 χ^2/NDF: 14324123.8/95



Right In: 88.456+/-44.468 χ^2/NDF: 15.7/20

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 46.688+/-44.433 χ^2/NDF: 25.9/26

Left In: 58.907+/-17.879 χ^2/NDF:25.8/22

Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

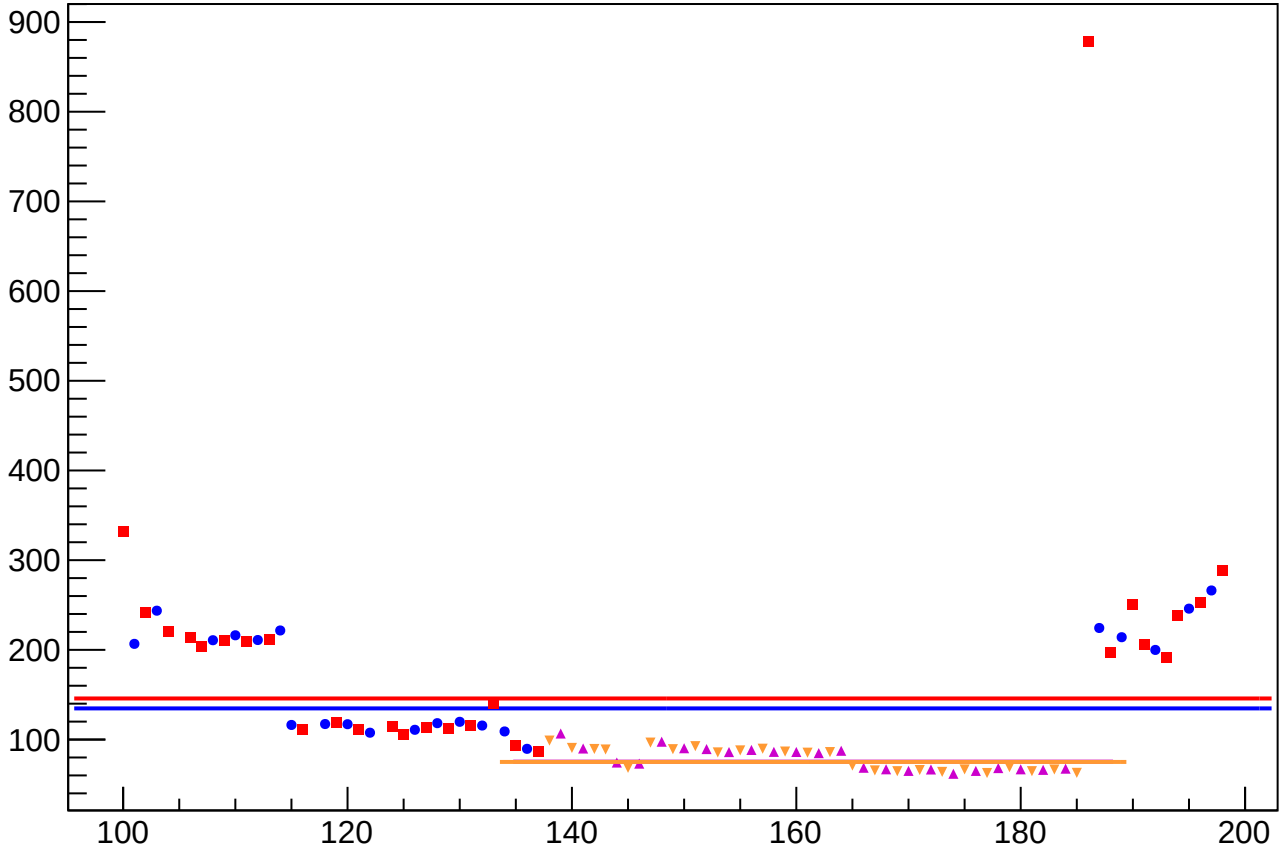
Right: 67.556+/-31.431 χ^2/NDF: 42.0/47

In: 63.019+/-16.588 χ^2/NDF:41.9/43

Out: 6.677+/-16.137 χ^2/NDF:75.4/51

All: 34.071+/-11.567 χ^2/NDF: 123.3/95

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 134.726+/-0.031 χ^2/NDF: 2604893.9/20

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 145.803+/-0.031 χ^2/NDF: 3673448.4/26

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

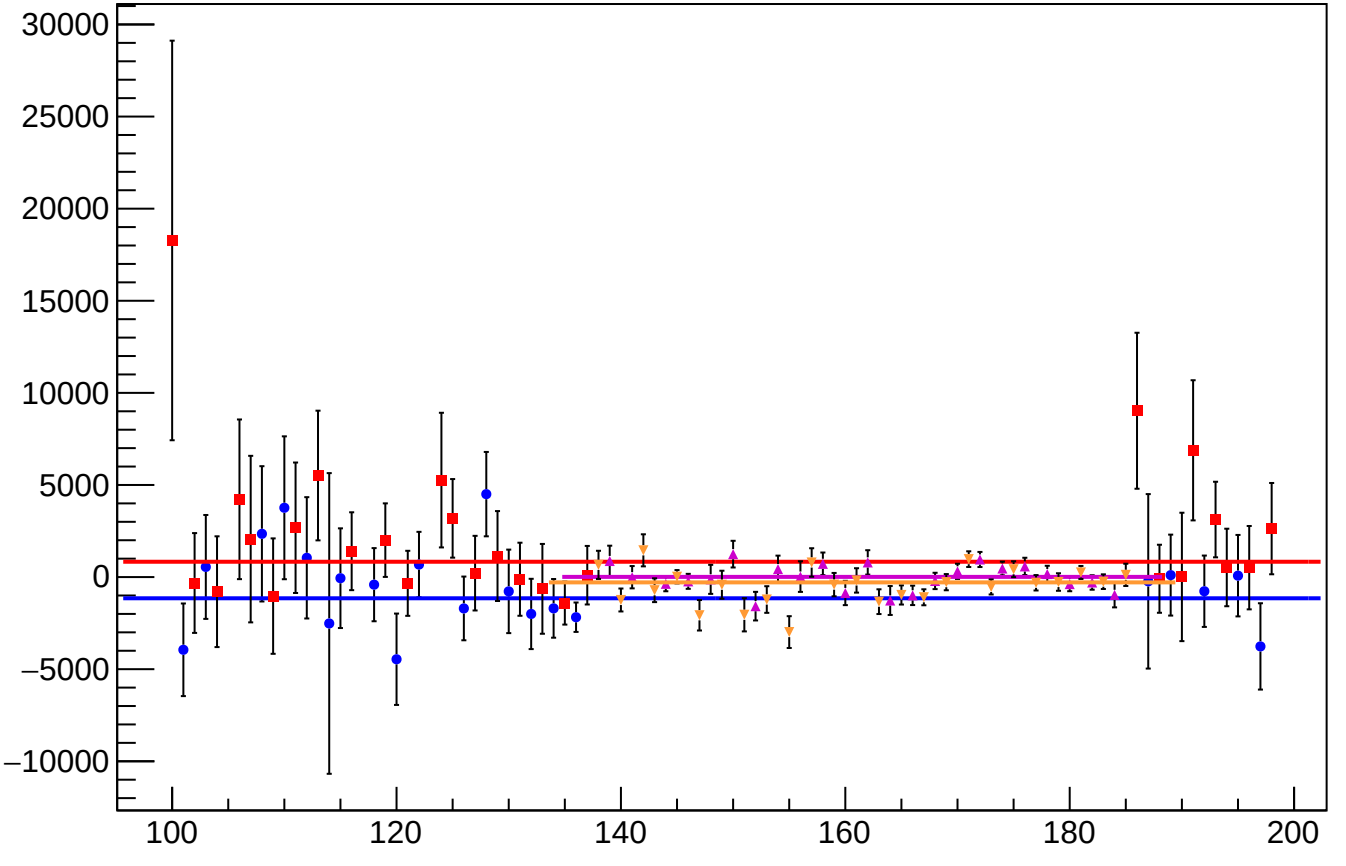
Right: 140.269+/-0.022 χ^2/NDF: 6340450.1/47

In: 83.615+/-0.012 χ^2/NDF:6511872.9/43

Out: 84.374+/-0.011 χ^2/NDF:9004970.9/51

All: 84.005+/-0.008 χ^2/NDF: 15518999.4/95

asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1151.153+/-435.815 χ^2/NDF: 17.9/20

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 832.293+/-447.424 χ^2/NDF: 22.7/26

Left In: 10.643+/-107.669 χ^2/NDF:33.4/22

Left: -142.139+/-75.257 χ^2/NDF: 90.6/47

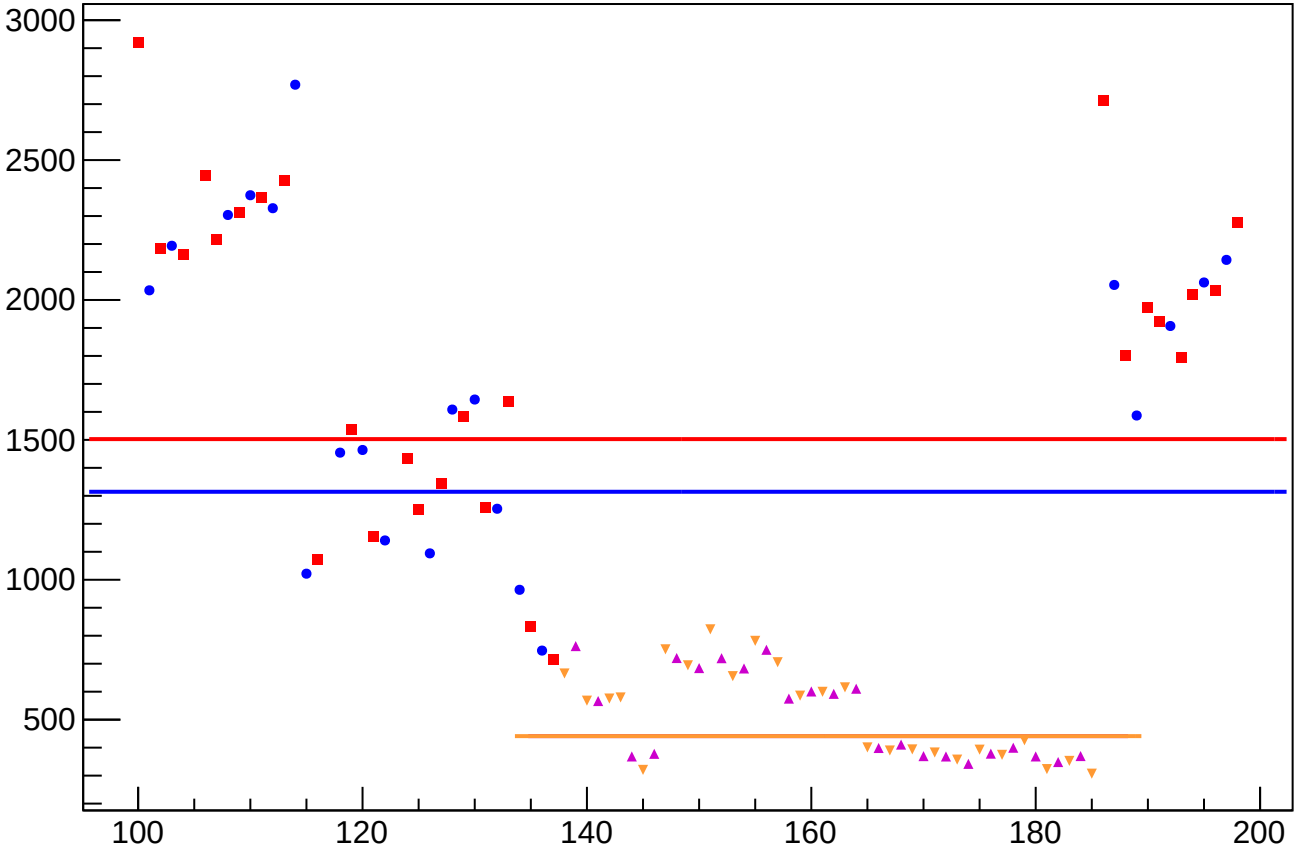
Right: -185.497+/-312.191 χ^2/NDF: 50.7/47

In: -56.188+/-104.527 χ^2/NDF:58.0/43

Out: -229.353+/-102.436 χ^2/NDF:81.9/51

All: -144.520+/-73.161 χ^2/NDF: 141.3/95

asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1314.506+/-0.308 χ^2/NDF: 2929795.9/20

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1502.731+/-0.316 χ^2/NDF: 2923052.8/26

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

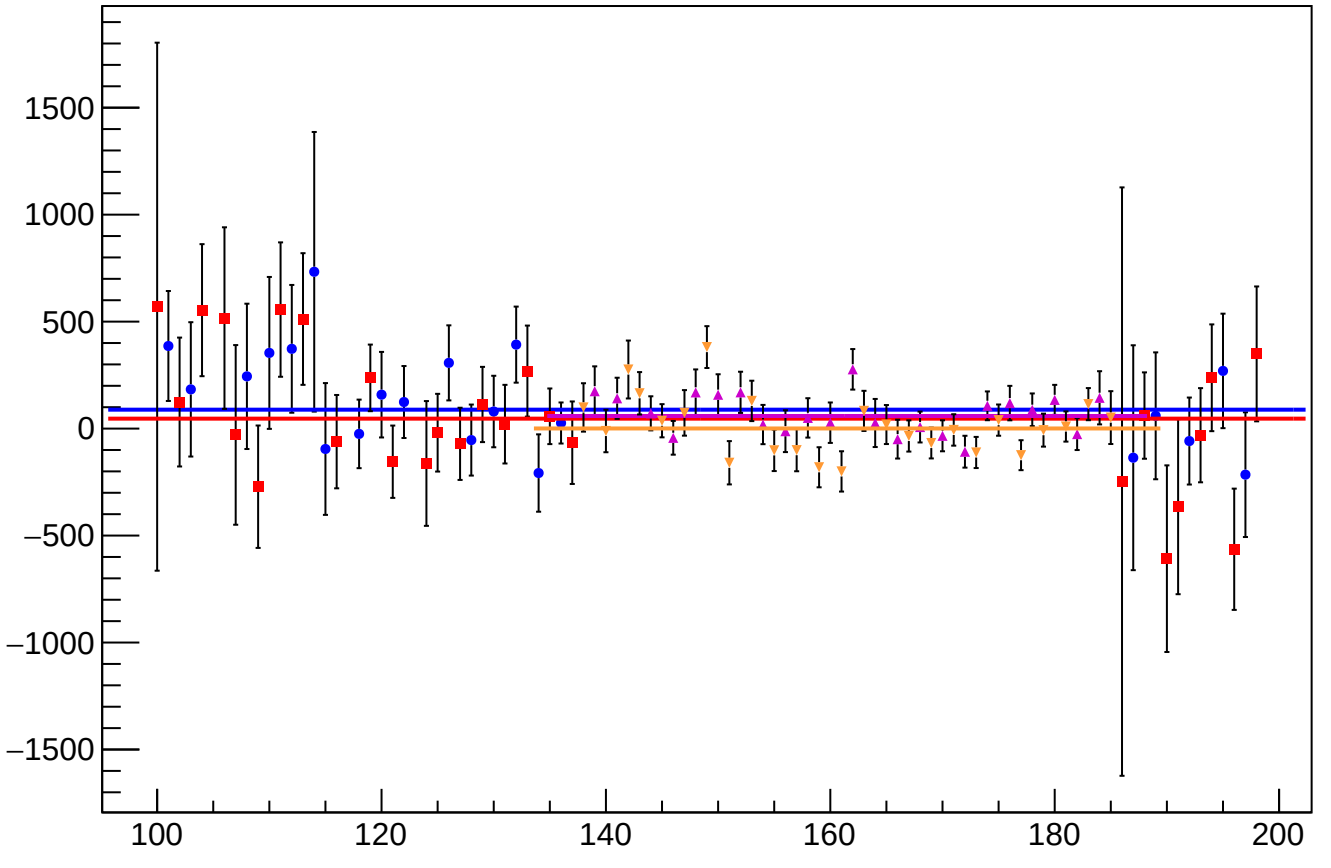
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1406.145+/-0.221 χ^2/NDF: 6034477.4/47

In: 491.433+/-0.074 χ^2/NDF:13180779.8/43

Out: 496.774+/-0.072 χ^2/NDF:16826890.7/51

All: 494.157+/-0.052 χ^2/NDF: 30010334.4/95



Right In: 88.443+/-44.468 χ^2/NDF: 15.7/20

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 46.501+/-44.436 χ^2/NDF: 25.8/26

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

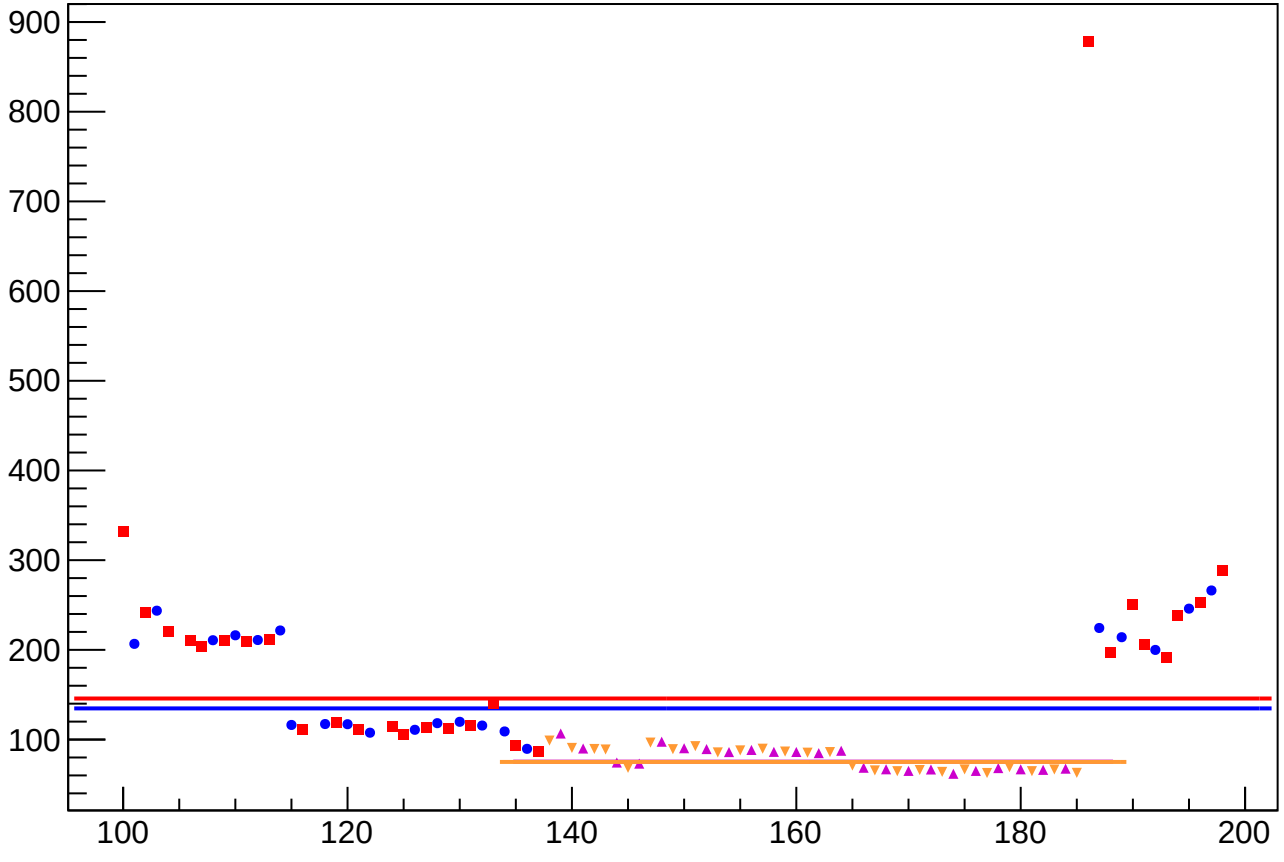
Right: 67.456+/-31.432 χ^2/NDF: 42.0/47

In: 63.015+/-16.588 χ^2/NDF:41.9/43

Out: 6.651+/-16.137 χ^2/NDF:75.4/51

All: 34.056+/-11.567 χ^2/NDF: 123.2/95

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 134.726+/-0.031 χ^2/NDF: 2604896.4/20

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 145.765+/-0.031 χ^2/NDF: 3668849.1/26

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

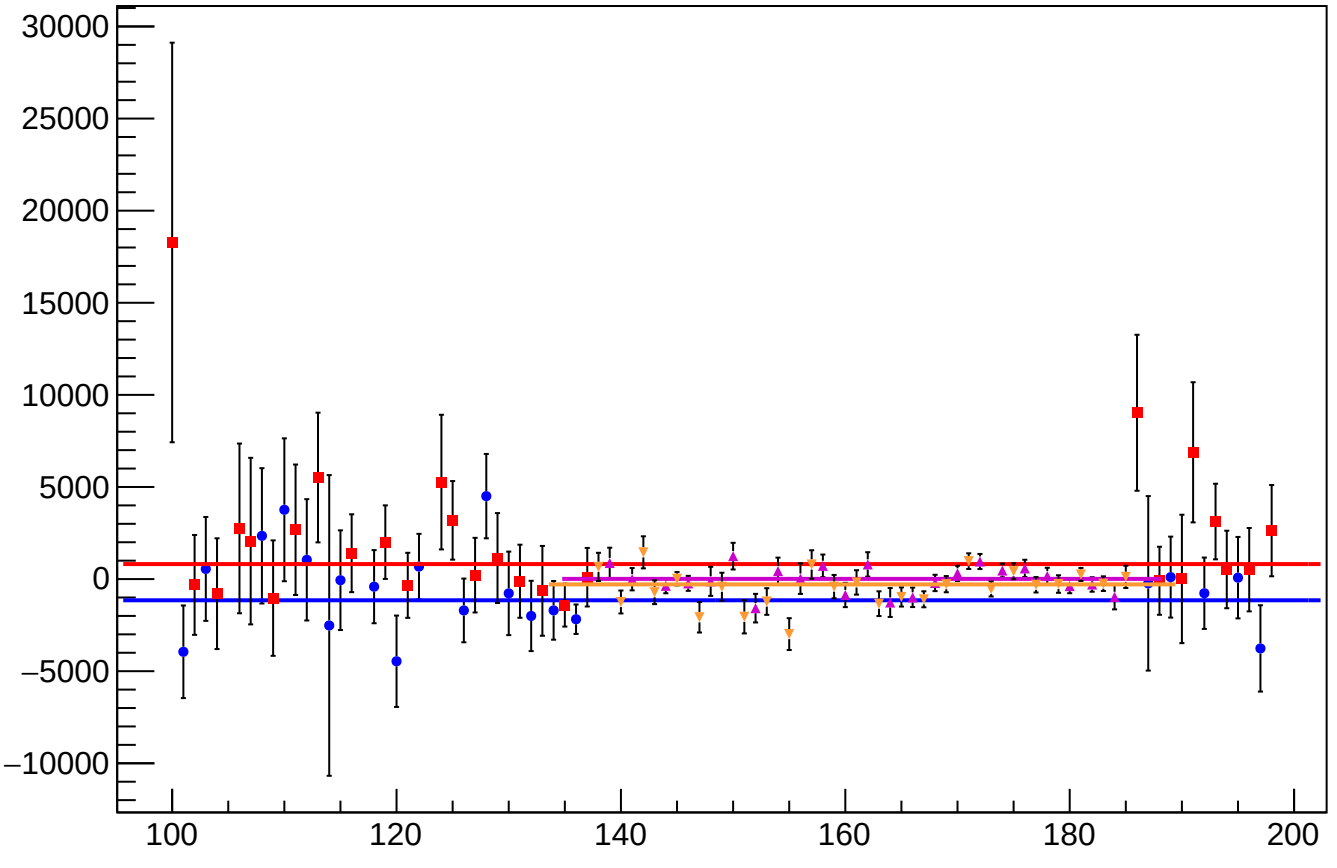
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 140.249+/-0.022 χ^2/NDF: 6335417.4/47

In: 83.615+/-0.012 χ^2/NDF:6511874.9/43

Out: 84.368+/-0.011 χ^2/NDF:8995173.3/51

All: 84.002+/-0.008 χ^2/NDF: 15509170.3/95



Right In: -1151.139+/-435.815 χ^2/NDF: 17.9/20

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 814.420+/-447.707 χ^2/NDF: 22.3/26

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

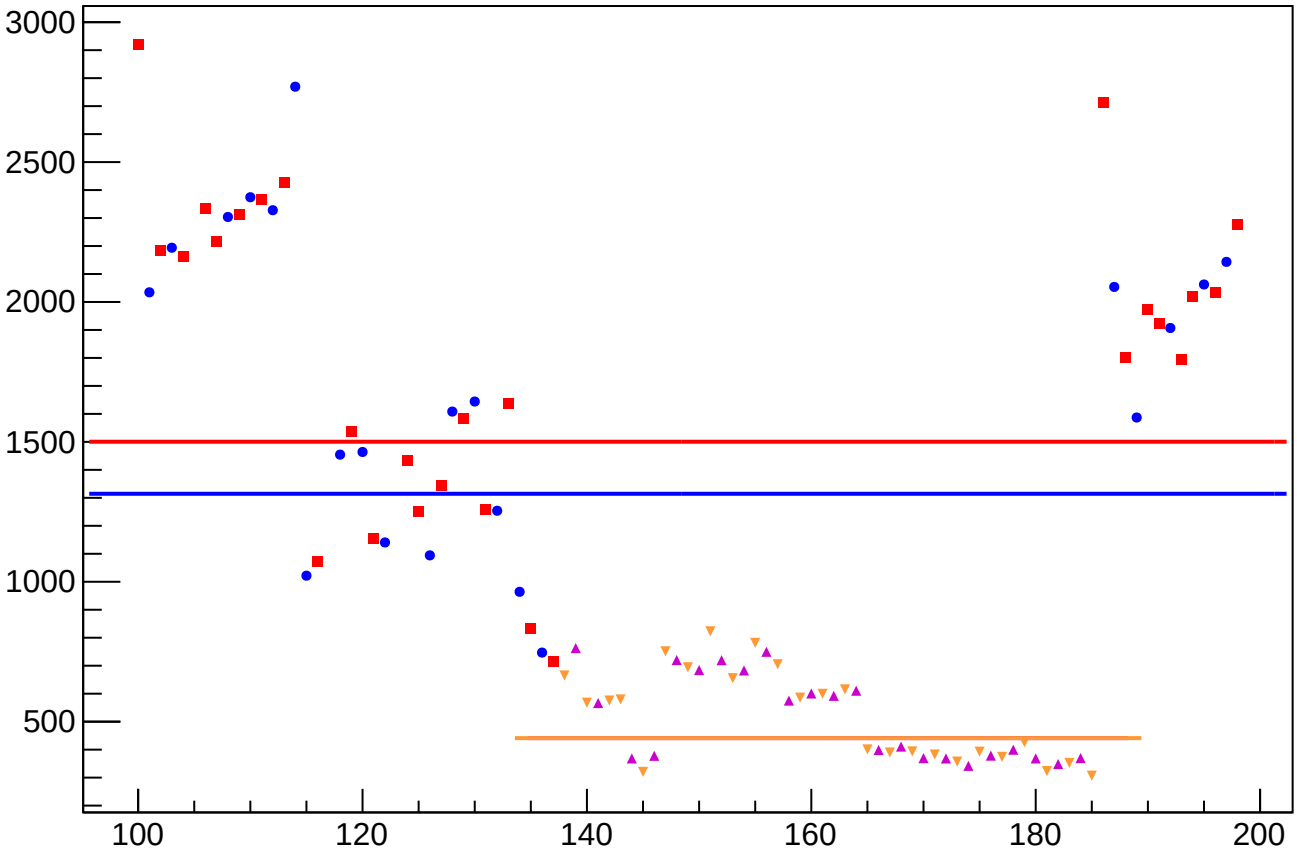
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -194.809+/-312.287 χ^2/NDF: 50.0/47

In: -56.186+/-104.527 χ^2/NDF:58.0/43

Out: -230.359+/-102.440 χ^2/NDF:81.3/51

All: -145.029+/-73.163 χ^2/NDF: 140.7/95



Right In: 1314.506+/-0.308 χ^2/NDF: 2929826.1/20

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1500.560+/-0.317 χ^2/NDF: 2894227.0/26

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

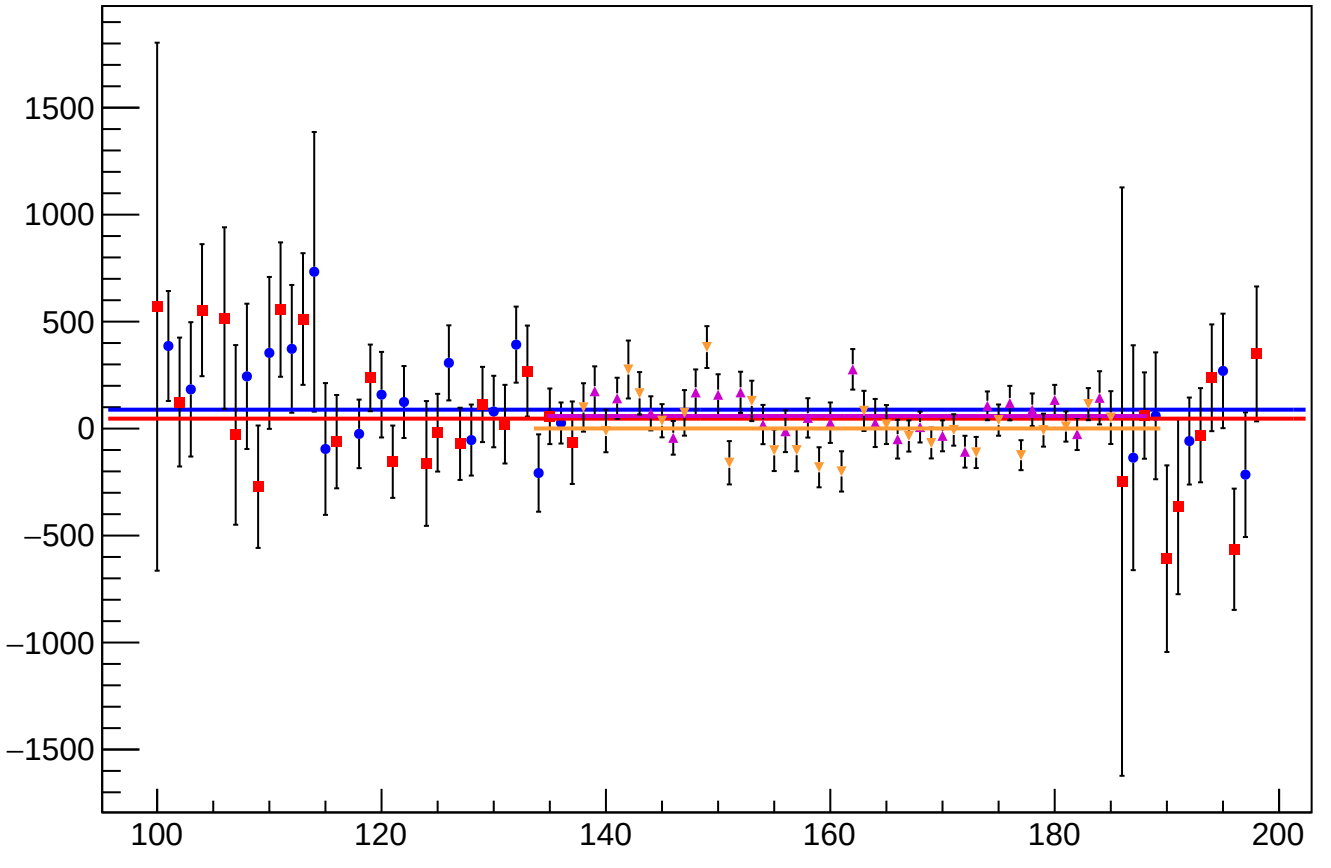
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1405.030+/-0.221 χ^2/NDF: 6001401.1/47

In: 491.433+/-0.074 χ^2/NDF:13180788.9/43

Out: 496.594+/-0.072 χ^2/NDF:16741774.6/51

All: 494.065+/-0.052 χ^2/NDF: 29925050.7/95



Right In: 88.443+/-44.468 χ^2/NDF: 15.7/20

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 46.501+/-44.436 χ^2/NDF: 25.8/26

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

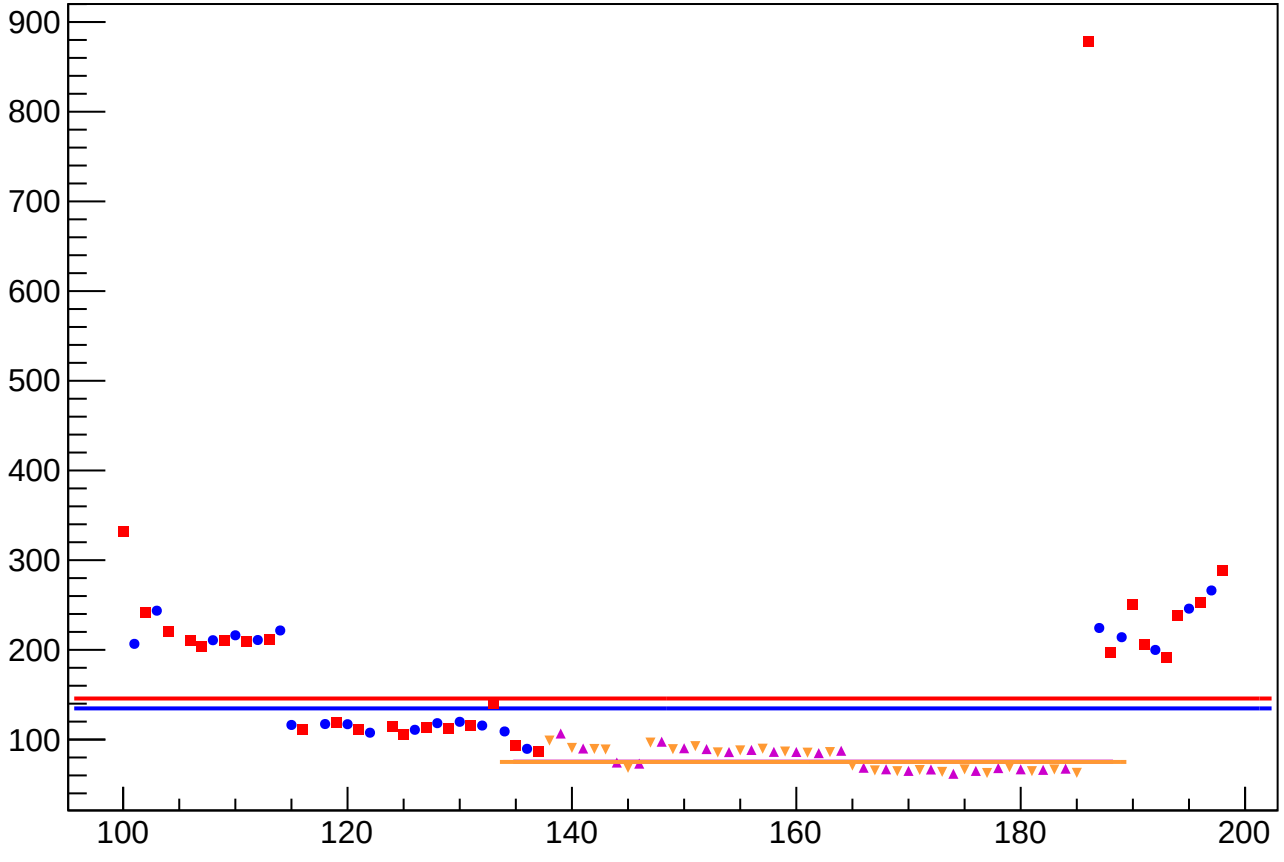
Right: 67.456+/-31.432 χ^2/NDF: 42.0/47

In: 63.015+/-16.588 χ^2/NDF:41.9/43

Out: 6.651+/-16.137 χ^2/NDF:75.4/51

All: 34.056+/-11.567 χ^2/NDF: 123.2/95

eigen_cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 134.726+/-0.031 χ^2/NDF: 2604896.4/20

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 145.765+/-0.031 χ^2/NDF: 3668849.1/26

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

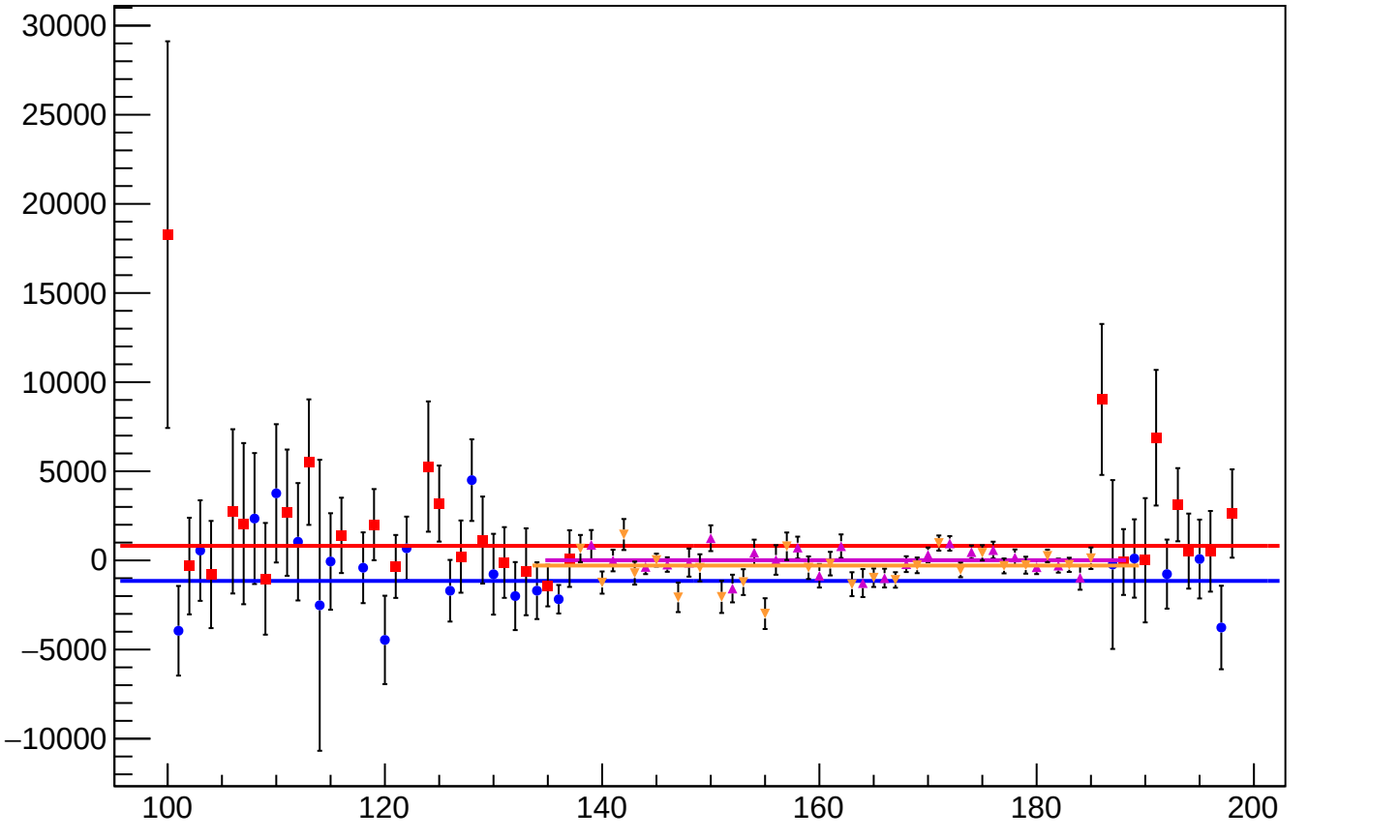
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 140.249+/-0.022 χ^2/NDF: 6335417.4/47

In: 83.615+/-0.012 χ^2/NDF:6511874.9/43

Out: 84.368+/-0.011 χ^2/NDF:8995173.3/51

All: 84.002+/-0.008 χ^2/NDF: 15509170.3/95



Right In: -1151.139+/-435.815 χ^2/NDF: 17.9/20

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 814.420+/-447.707 χ^2/NDF: 22.3/26

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

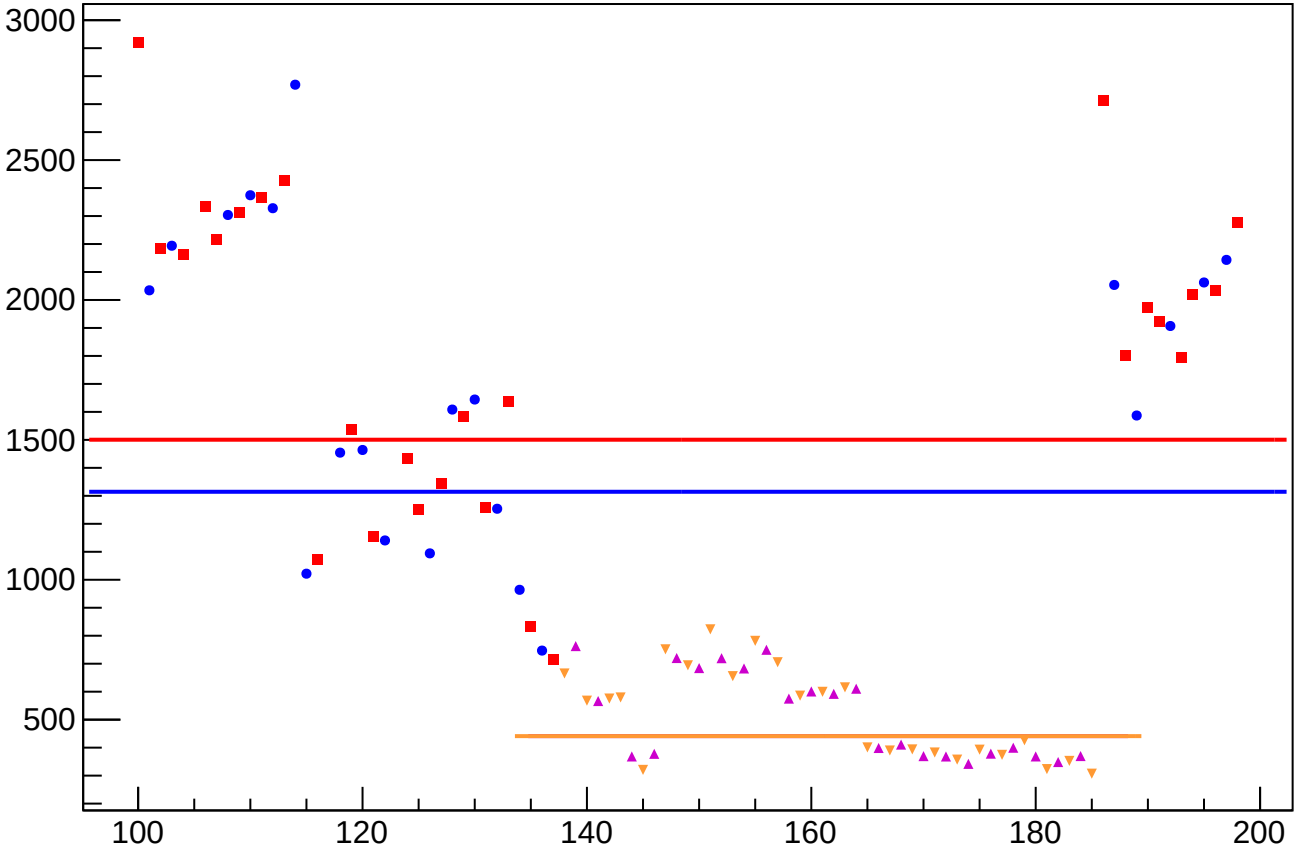
Right: -194.809+/-312.287 χ^2/NDF: 50.0/47

In: -56.186+/-104.527 χ^2/NDF:58.0/43

Out: -230.359+/-102.440 χ^2/NDF:81.3/51

All: -145.029+/-73.163 χ^2/NDF: 140.7/95

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1314.506+/-0.308 χ^2/NDF: 2929826.1/20

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1500.560+/-0.317 χ^2/NDF: 2894227.0/26

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

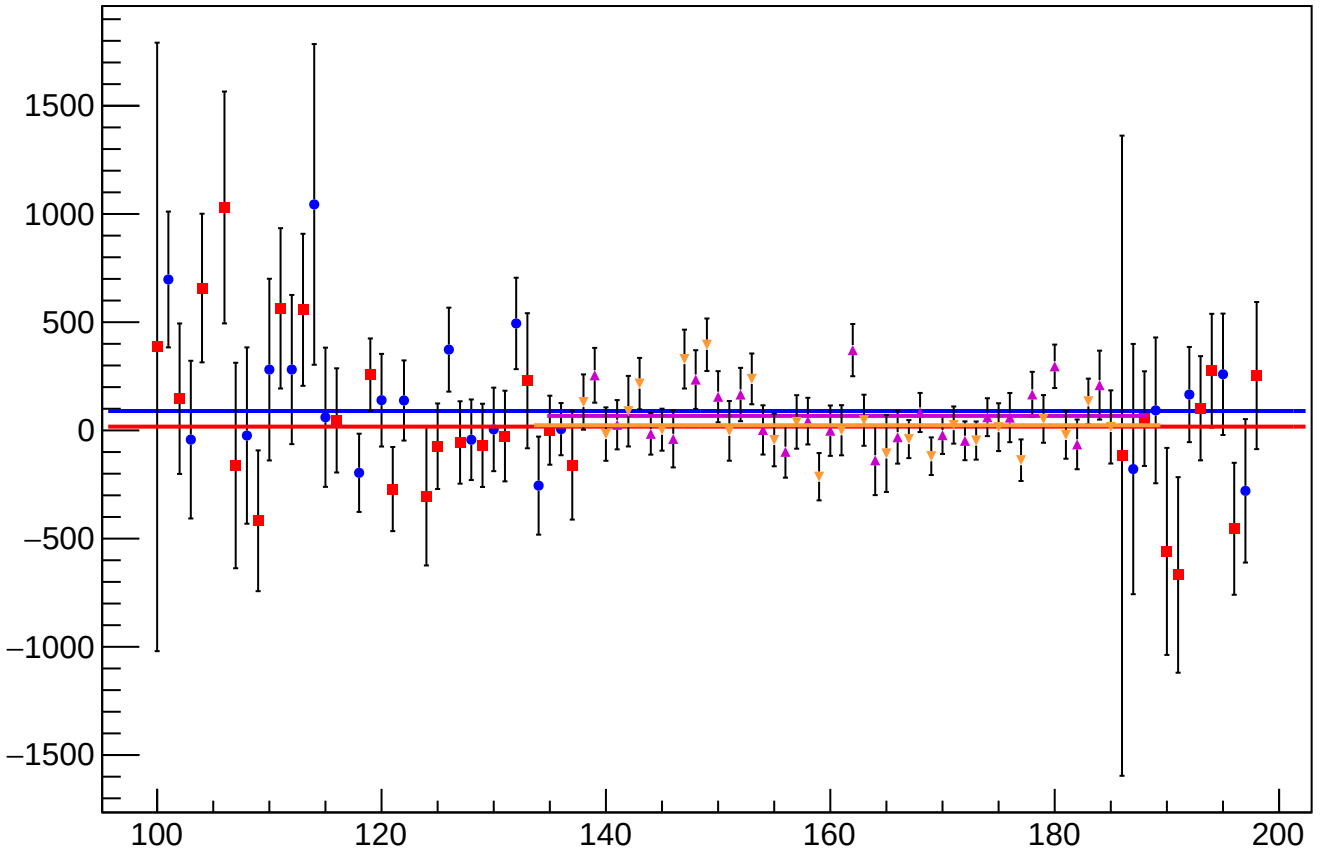
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1405.030+/-0.221 χ^2/NDF: 6001401.1/47

In: 491.433+/-0.074 χ^2/NDF:13180788.9/43

Out: 496.594+/-0.072 χ^2/NDF:16741774.6/51

All: 494.065+/-0.052 χ^2/NDF: 29925050.7/95



Right In: 89.649+/-51.421 χ^2/NDF: 20.0/20

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: 17.452+/-50.675 χ^2/NDF: 28.3/26

Left In: 67.086+/-23.121 χ^2/NDF:28.6/22

Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

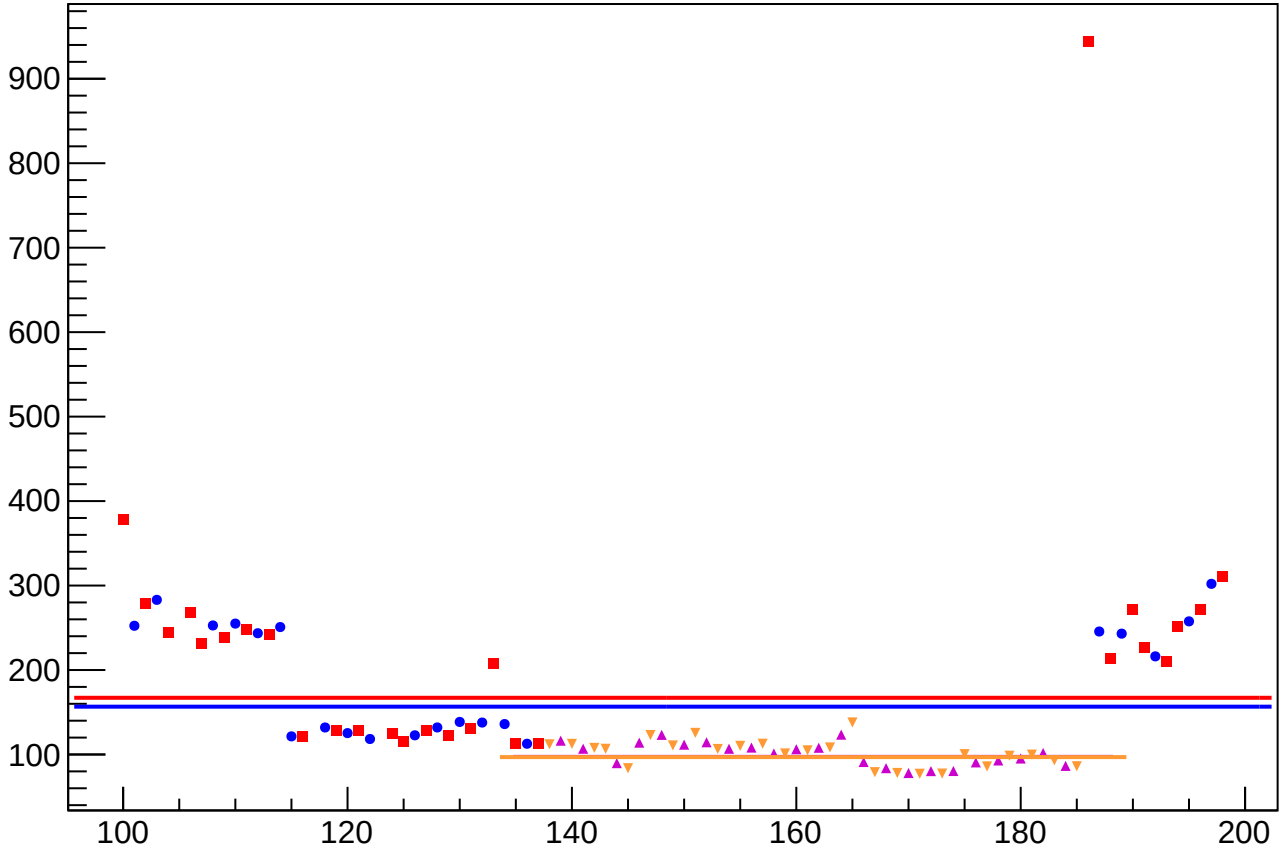
Right: 53.023+/-36.094 χ^2/NDF: 49.4/47

In: 70.880+/-21.087 χ^2/NDF:48.8/43

Out: 22.823+/-20.498 χ^2/NDF:63.5/51

All: 46.171+/-14.698 χ^2/NDF: 115.0/95

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 156.613+/-0.036 χ^2/NDF: 2378778.0/20

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

Right Out: 167.129+/-0.036 χ^2/NDF: 3406327.2/26

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

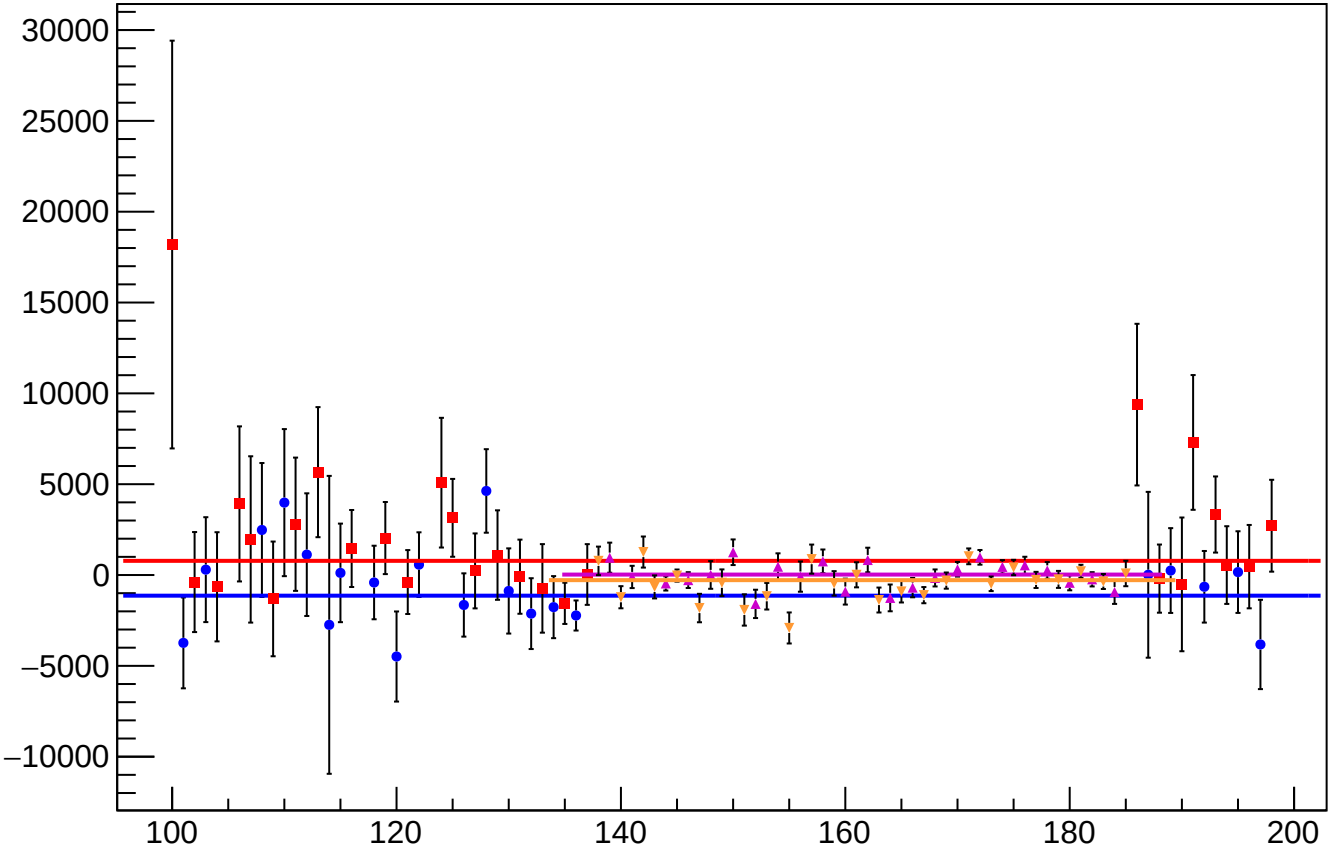
Right: 161.948+/-0.026 χ^2/NDF: 5827537.1/47

In: 107.165+/-0.015 χ^2/NDF:5276787.7/43

Out: 108.397+/-0.014 χ^2/NDF:7552412.9/51

All: 107.798+/-0.010 χ^2/NDF: 12832715.3/95

asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1136.891+/-447.478 χ^2/NDF: 18.0/20

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: 780.606+/-450.918 χ^2/NDF: 24.1/26

Left In: 24.625+/-108.884 χ^2/NDF:32.9/22

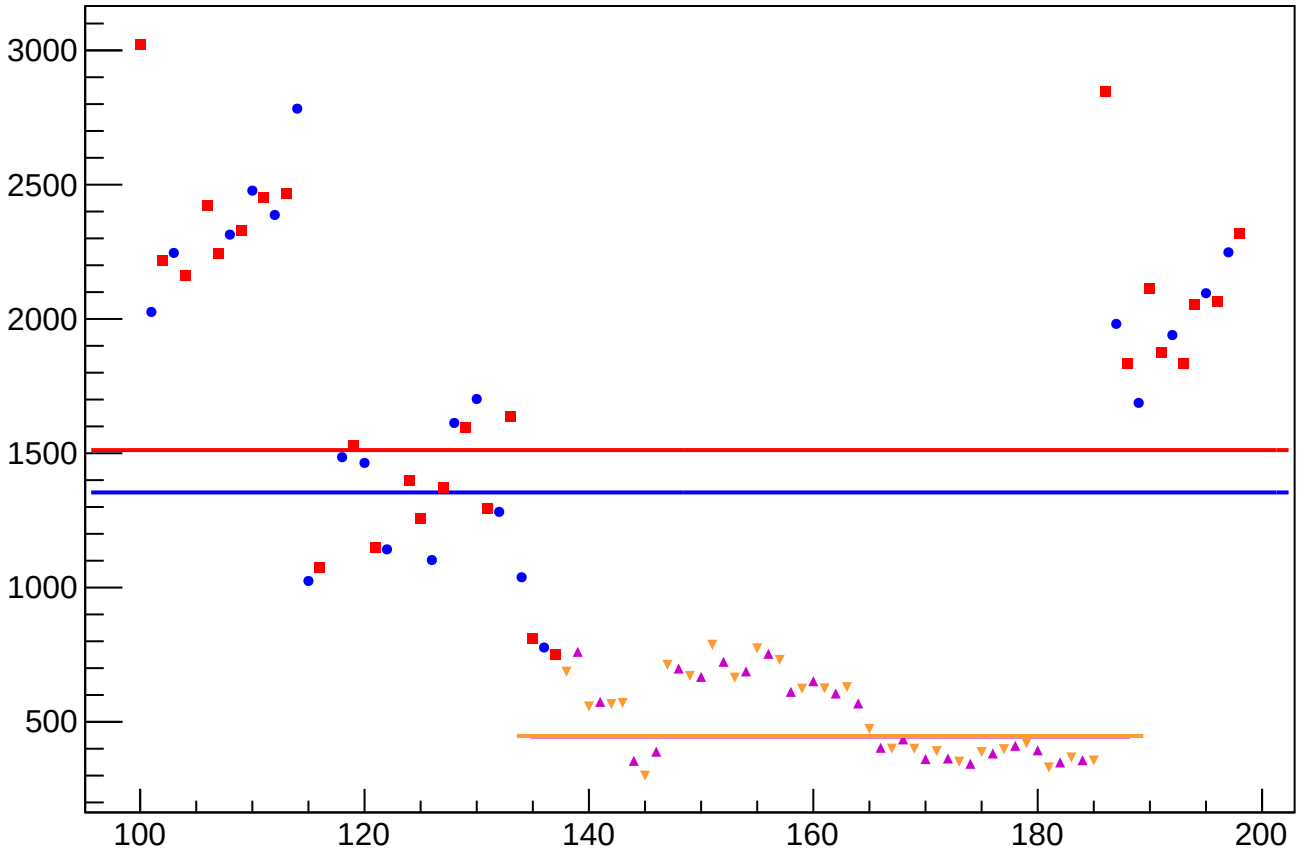
Left: -132.449+/-76.097 χ^2/NDF: 87.4/47

Right: -185.486+/-317.624 χ^2/NDF: 51.2/47

In: -40.302+/-105.797 χ^2/NDF:57.3/43

Out: -226.362+/-103.551 χ^2/NDF:79.7/51

All: -135.328+/-74.003 χ^2/NDF: 138.6/95



Right In: 1354.158+/-0.316 χ^2/NDF: 2836667.4/20

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1511.793+/-0.319 χ^2/NDF: 3034809.4/26

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

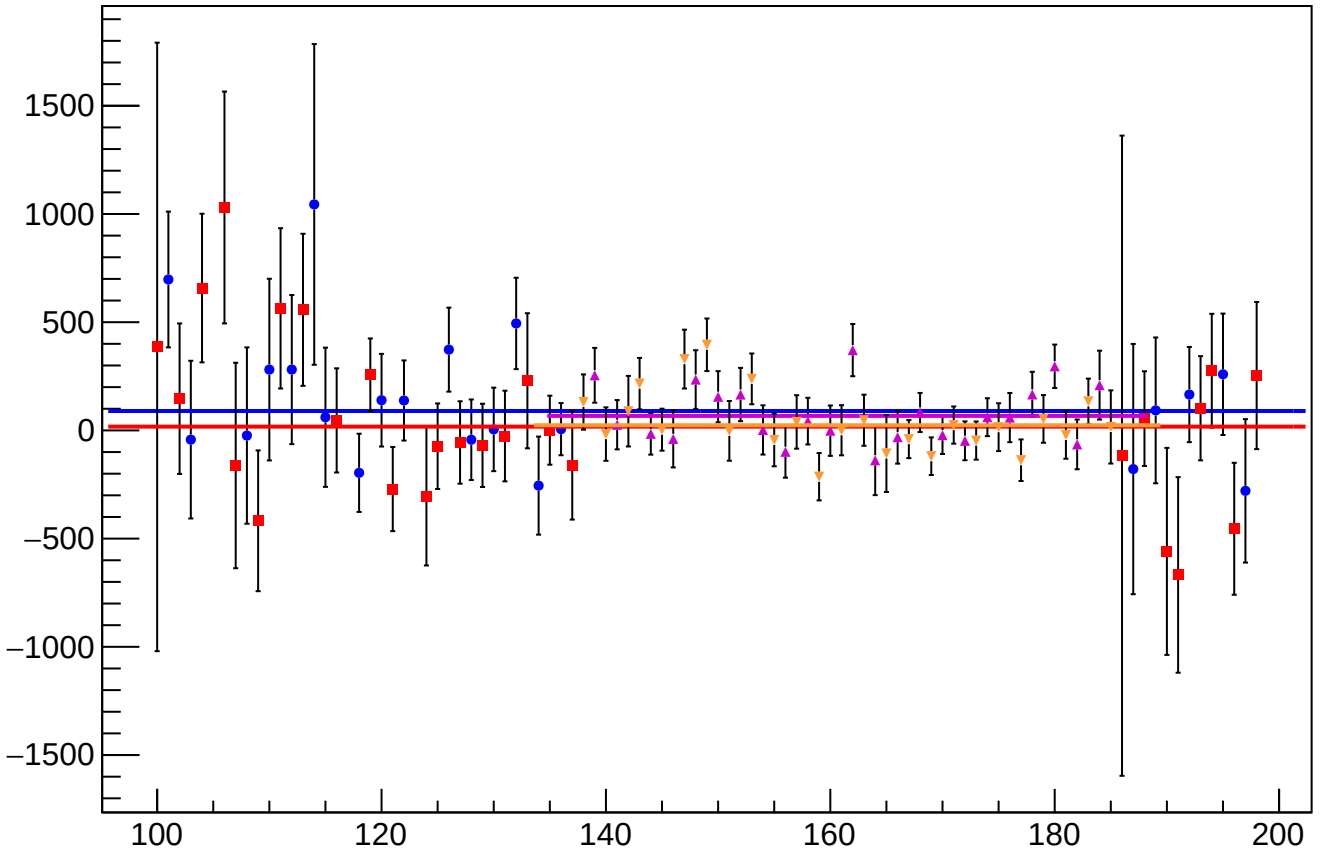
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1432.372+/-0.225 χ^2/NDF: 5994625.0/47

In: 496.284+/-0.075 χ^2/NDF:13335966.8/43

Out: 503.519+/-0.073 χ^2/NDF:16789107.2/51

All: 499.979+/-0.052 χ^2/NDF: 30129850.2/95



Right In: 89.651+/-51.421 χ^2/NDF: 20.0/20

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: 17.452+/-50.675 χ^2/NDF: 28.3/26

Left In: 67.085+/-23.121 χ^2/NDF:28.6/22

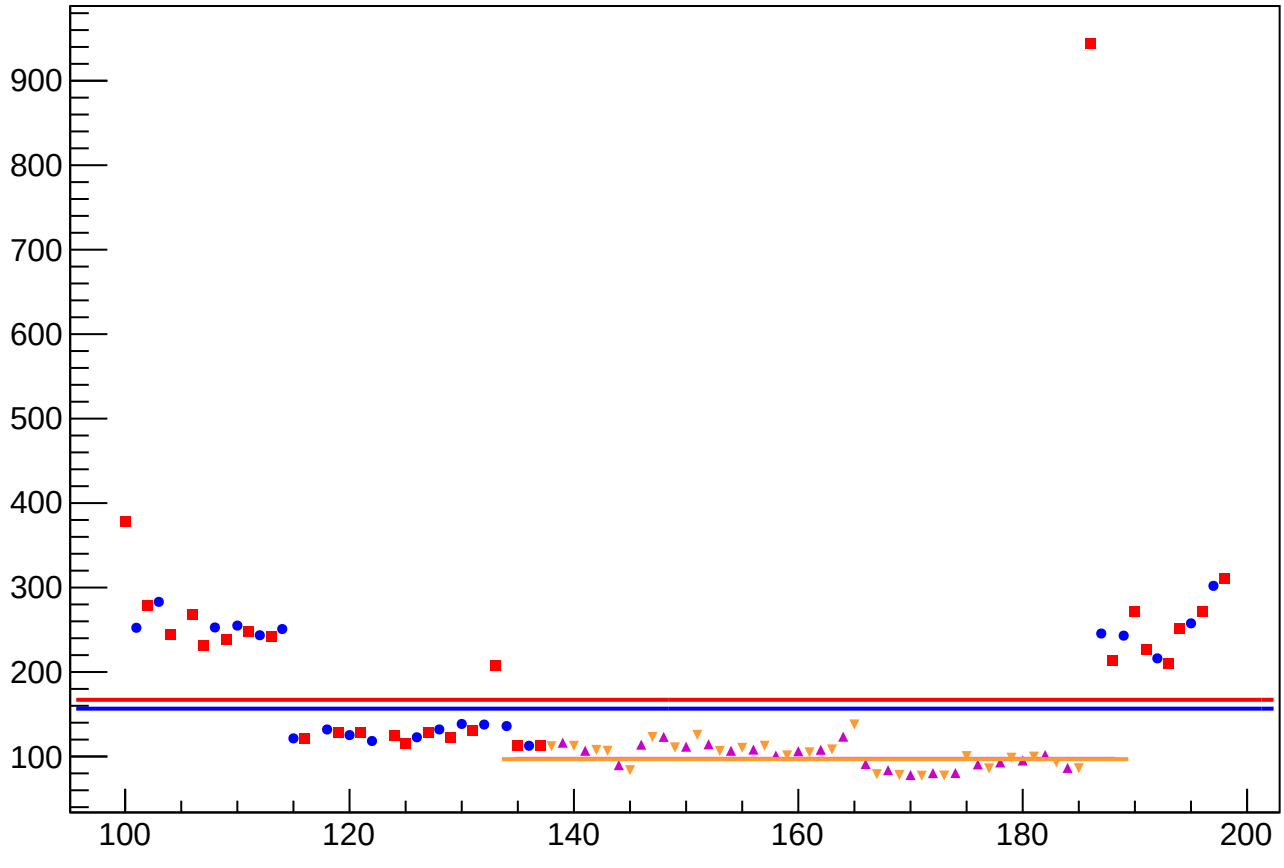
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: 53.024+/-36.093 χ^2/NDF: 49.4/47

In: 70.880+/-21.087 χ^2/NDF:48.8/43

Out: 22.821+/-20.498 χ^2/NDF:63.5/51

All: 46.170+/-14.698 χ^2/NDF: 115.0/95



Right In: 156.613+/-0.036 χ^2/NDF: 2378779.0/20

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

Right Out: 167.129+/-0.036 χ^2/NDF: 3406324.3/26

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

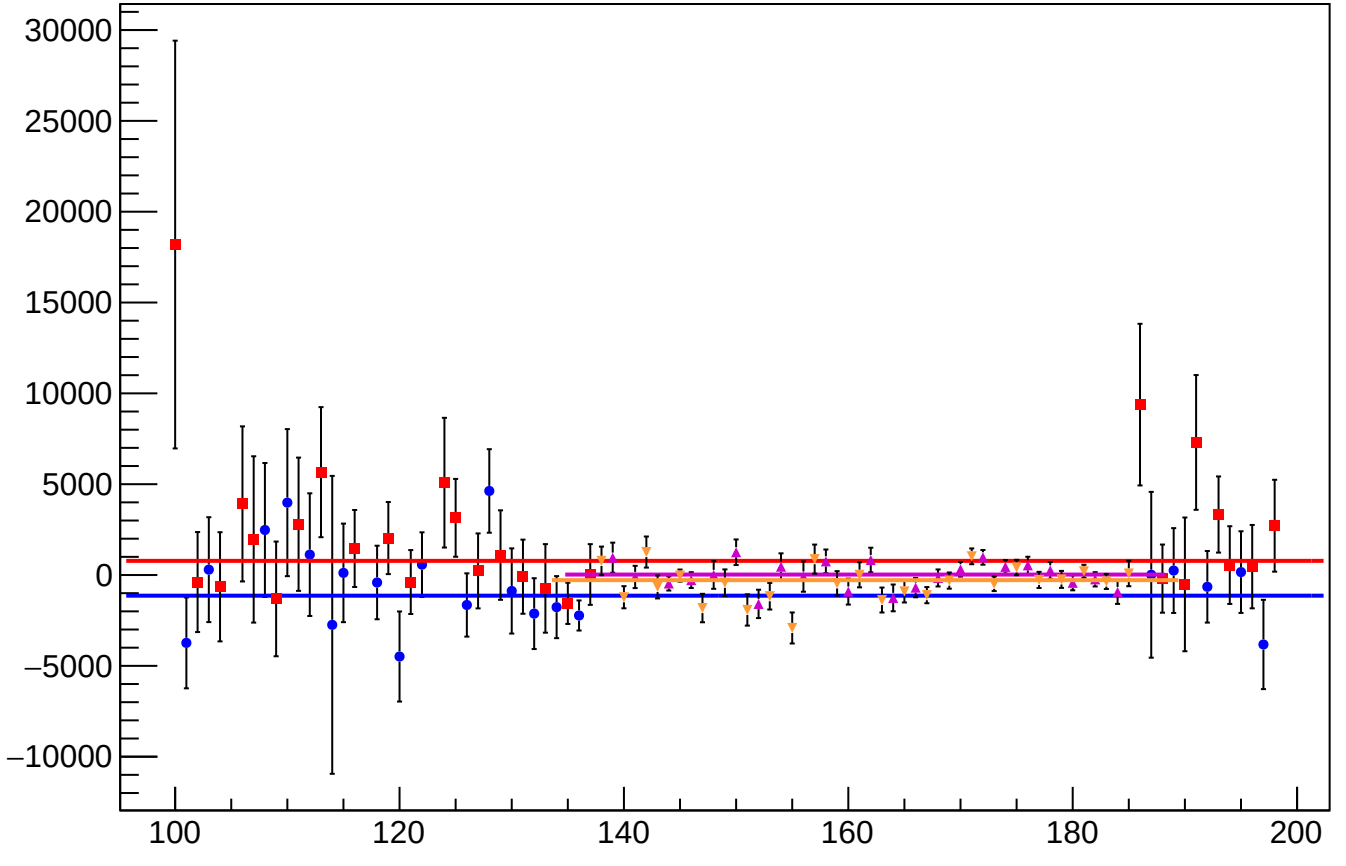
Right: 161.948+/-0.026 χ^2/NDF: 5827538.1/47

In: 107.165+/-0.015 χ^2/NDF:5276712.7/43

Out: 108.398+/-0.014 χ^2/NDF:7552357.7/51

All: 107.799+/-0.010 χ^2/NDF: 12832584.7/95

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1136.888+/-447.477 χ^2/NDF: 18.0/20

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: 780.607+/-450.918 χ^2/NDF: 24.1/26

Left In: 24.626+/-108.884 χ^2/NDF:32.9/22

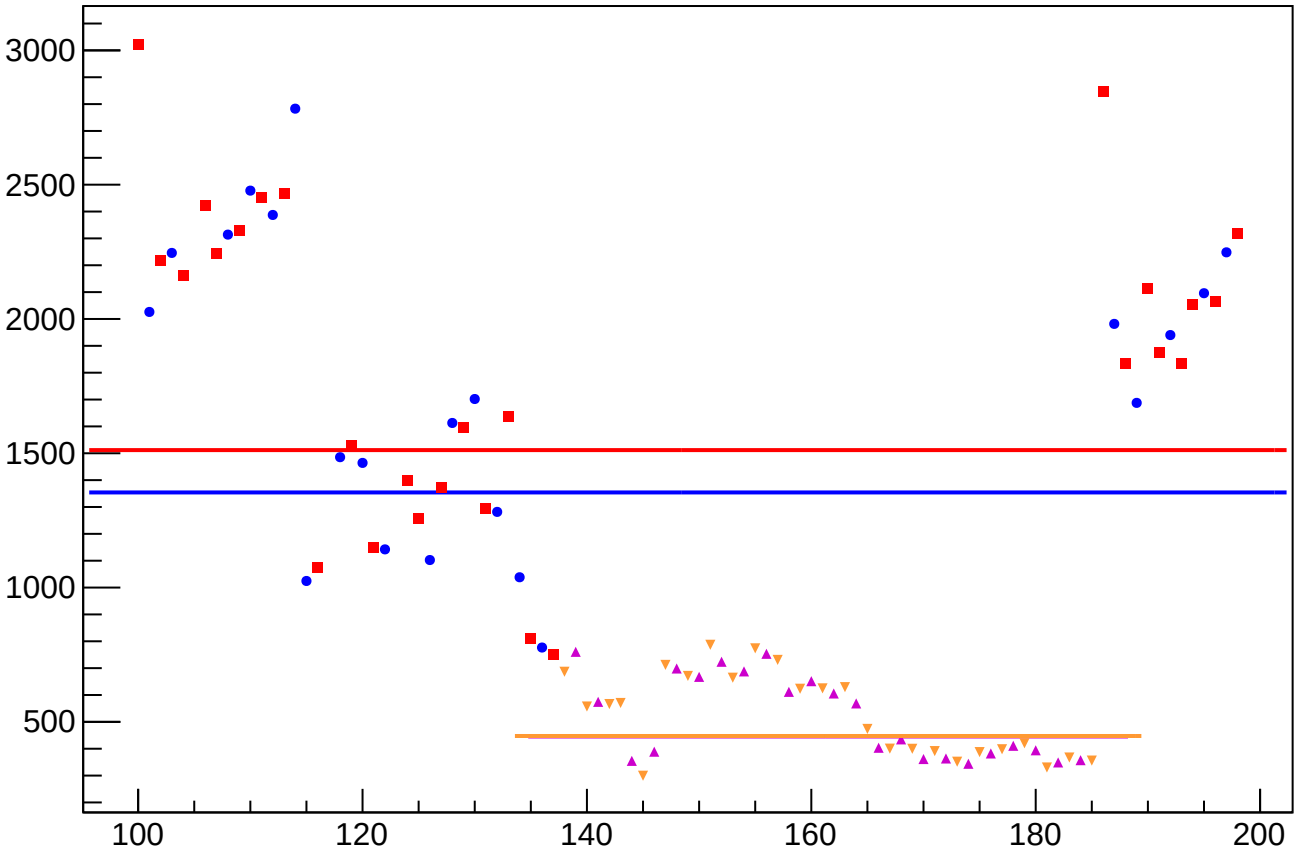
Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

Right: -185.484+/-317.624 χ^2/NDF: 51.2/47

In: -40.301+/-105.797 χ^2/NDF:57.3/43

Out: -226.361+/-103.551 χ^2/NDF:79.7/51

All: -135.327+/-74.003 χ^2/NDF: 138.6/95



Right In: 1354.157+/-0.316 χ^2/NDF: 2836648.9/20

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1511.793+/-0.319 χ^2/NDF: 3034797.0/26

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

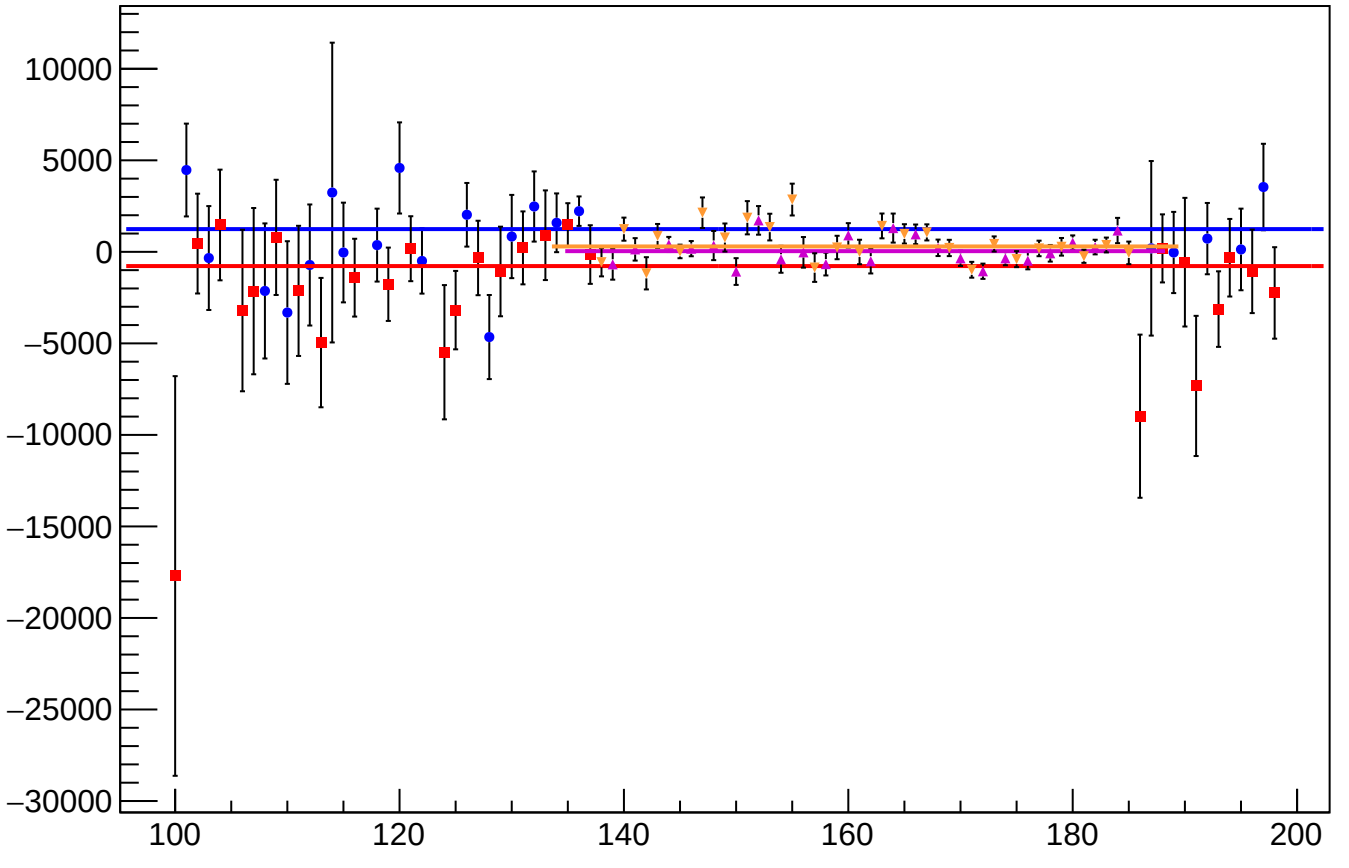
Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

Right: 1432.371+/-0.225 χ^2/NDF: 5994594.0/47

In: 496.284+/-0.075 χ^2/NDF:13335966.3/43

Out: 503.518+/-0.073 χ^2/NDF:16789126.9/51

All: 499.979+/-0.052 χ^2/NDF: 30129869.2/95



Right In: 1242.582+/-438.682 χ^2/NDF: 18.1/20

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: -776.928+/-450.233 χ^2/NDF: 21.8/26

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

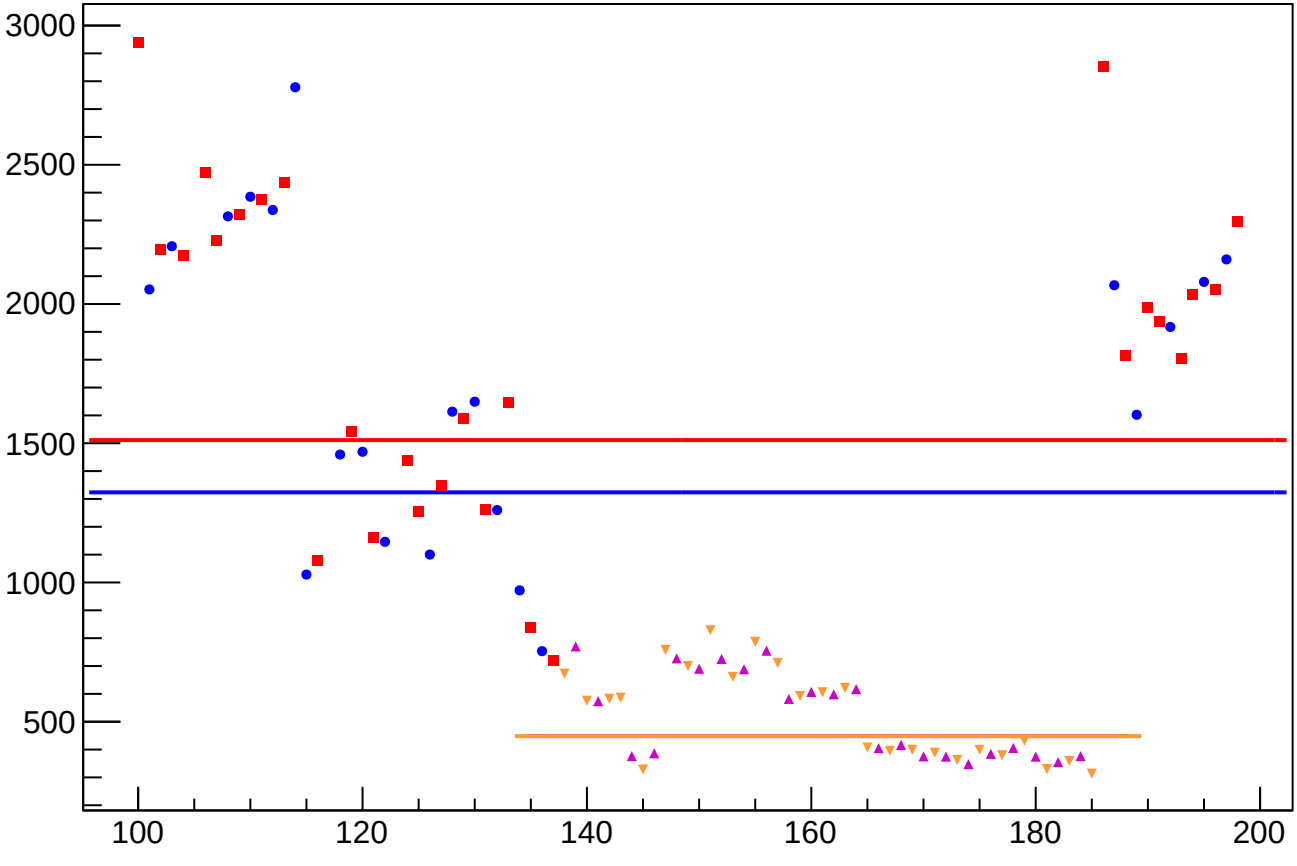
Right: 259.064+/-314.199 χ^2/NDF: 50.3/47

In: 108.527+/-106.072 χ^2/NDF:58.2/43

Out: 237.893+/-103.925 χ^2/NDF:77.7/51

All: 174.532+/-74.234 χ^2/NDF: 136.6/95

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1323.632+/-0.310 χ^2/NDF: 2918174.5/20

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1511.290+/-0.318 χ^2/NDF: 2943230.0/26

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

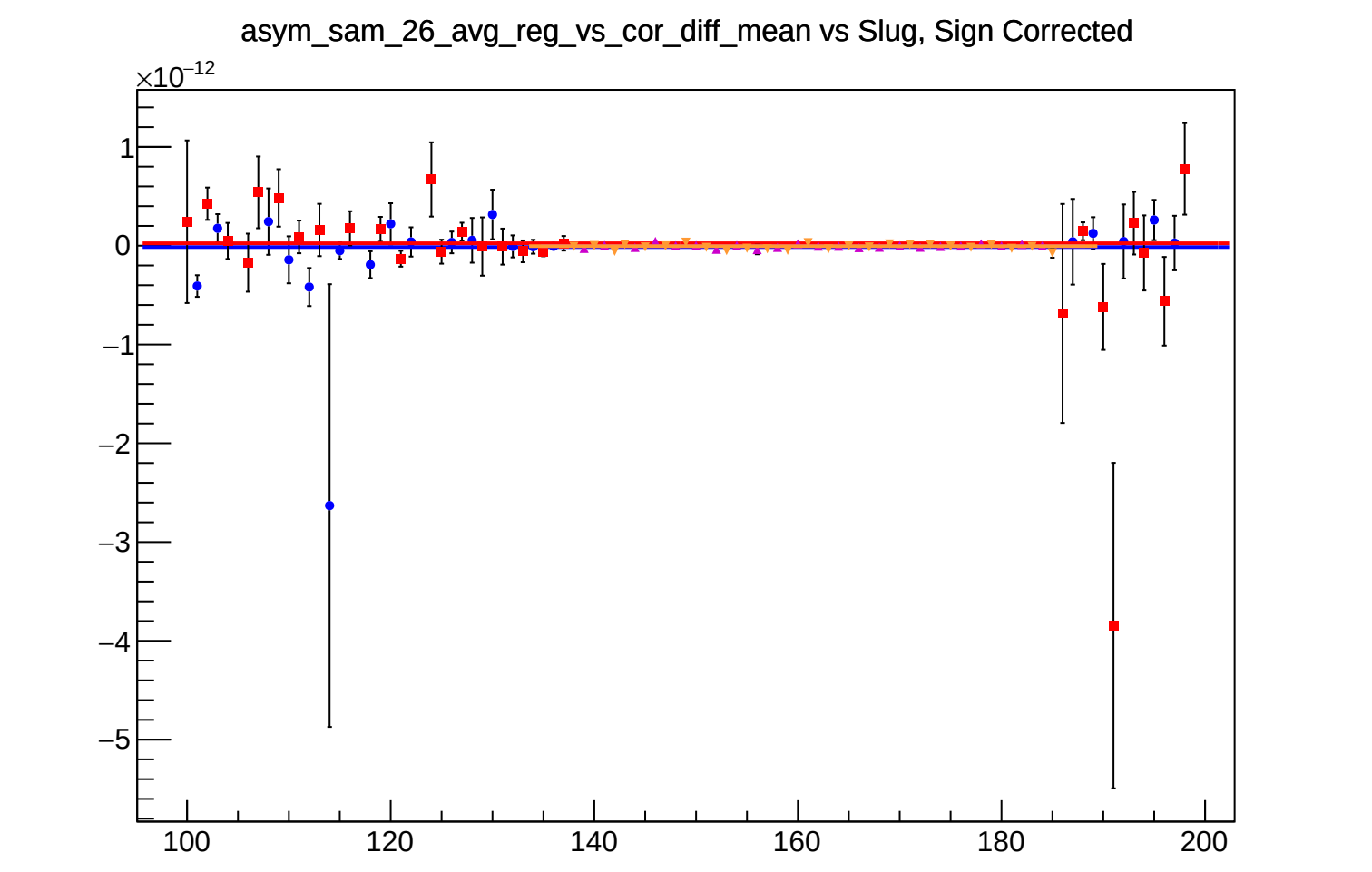
Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

Right: 1415.023+/-0.222 χ^2/NDF: 6039642.5/47

In: 499.568+/-0.075 χ^2/NDF:13034693.5/43

Out: 504.916+/-0.073 χ^2/NDF:16655015.8/51

All: 502.297+/-0.052 χ^2/NDF: 29692303.5/95



Right In: -0.000+/-0.000 χ^2/NDF: 29.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.5/26

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

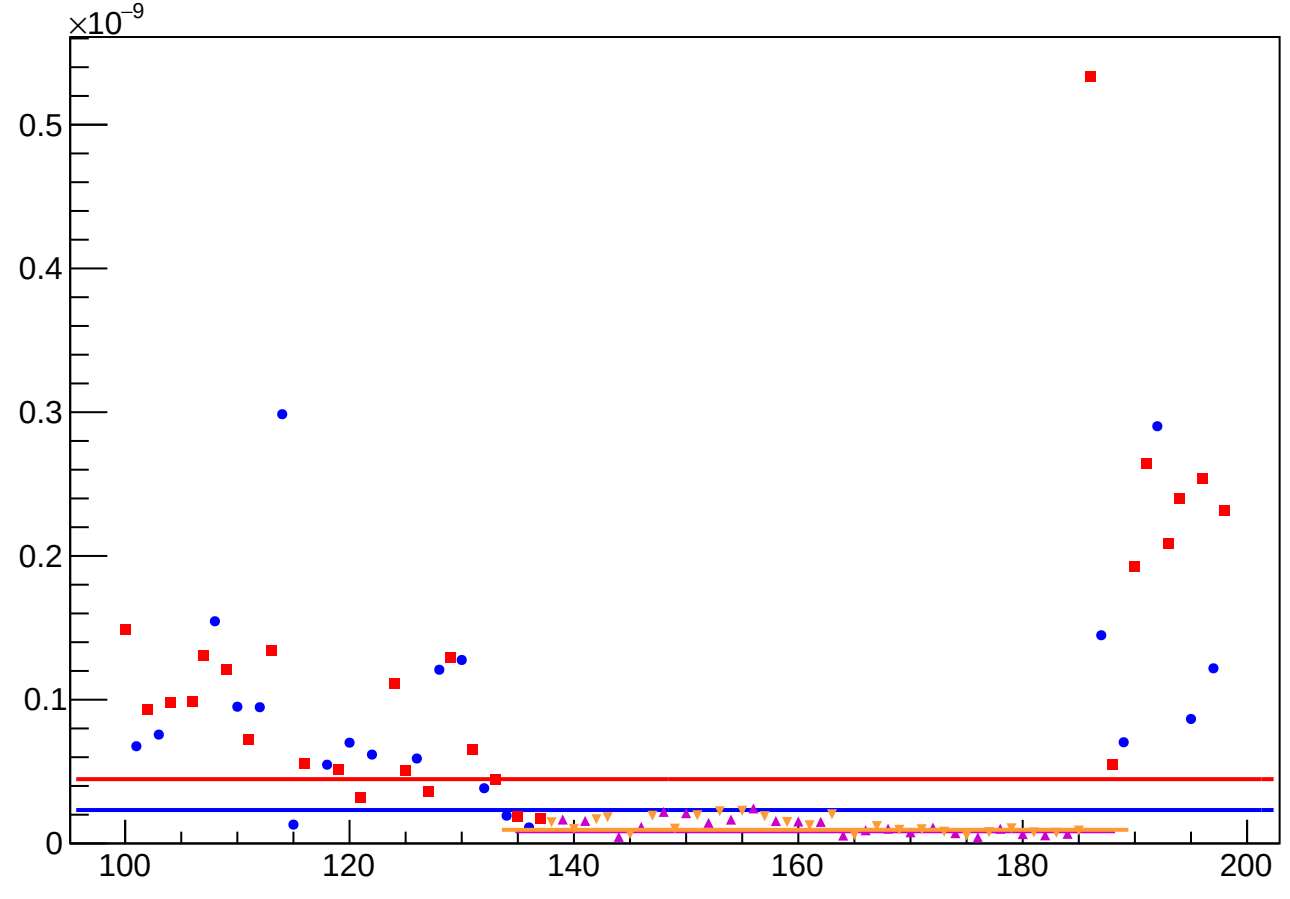
Left: -0.000+/-0.000 χ^2/NDF: 39.9/47

Right: -0.000+/-0.000 χ^2/NDF: 71.4/47

In: -0.000+/-0.000 χ^2/NDF:46.5/43

Out: -0.000+/-0.000 χ^2/NDF:64.8/51

All: -0.000+/-0.000 χ^2/NDF: 111.3/95



Right In: 0.000+/-0.000 χ^2/NDF: 5200917.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4667648.4/26

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

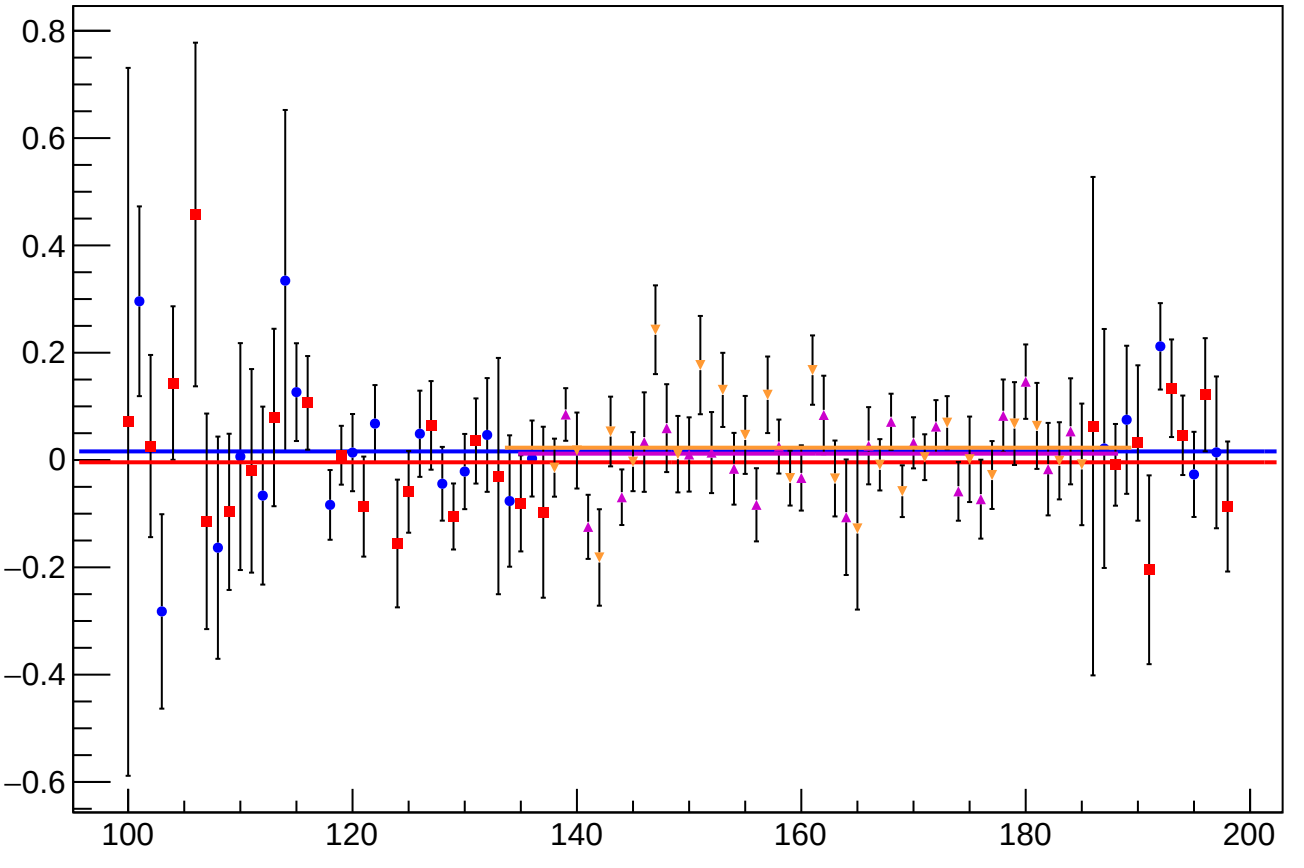
Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

Right: 0.000+/-0.000 χ^2/NDF: 10802674.1/47

In: 0.000+/-0.000 χ^2/NDF:9292777.5/43

Out: 0.000+/-0.000 χ^2/NDF:10662113.0/51

All: 0.000+/-0.000 χ^2/NDF: 20045265.3/95



Right In: 0.016+/-0.021 χ^2/NDF: 19.9/20

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.004+/-0.020 χ^2/NDF: 19.5/26

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

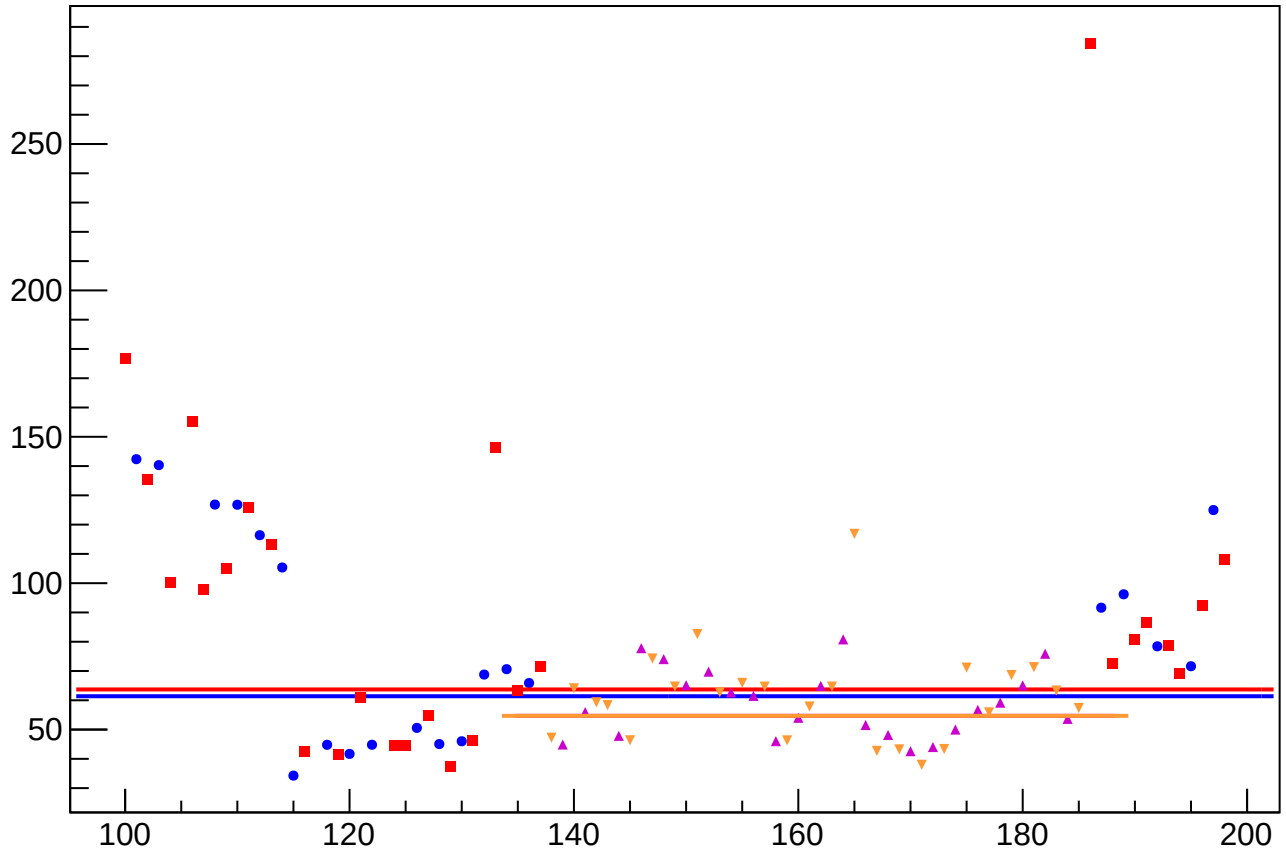
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: 0.005+/-0.014 χ^2/NDF: 39.9/47

In: 0.013+/-0.011 χ^2/NDF:45.8/43

Out: 0.015+/-0.011 χ^2/NDF:55.0/51

All: 0.014+/-0.008 χ^2/NDF: 100.8/95



Right In: 61.382+/-0.015 χ^2/NDF: 2978126.3/20

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 63.703+/-0.014 χ^2/NDF: 3750800.4/26

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

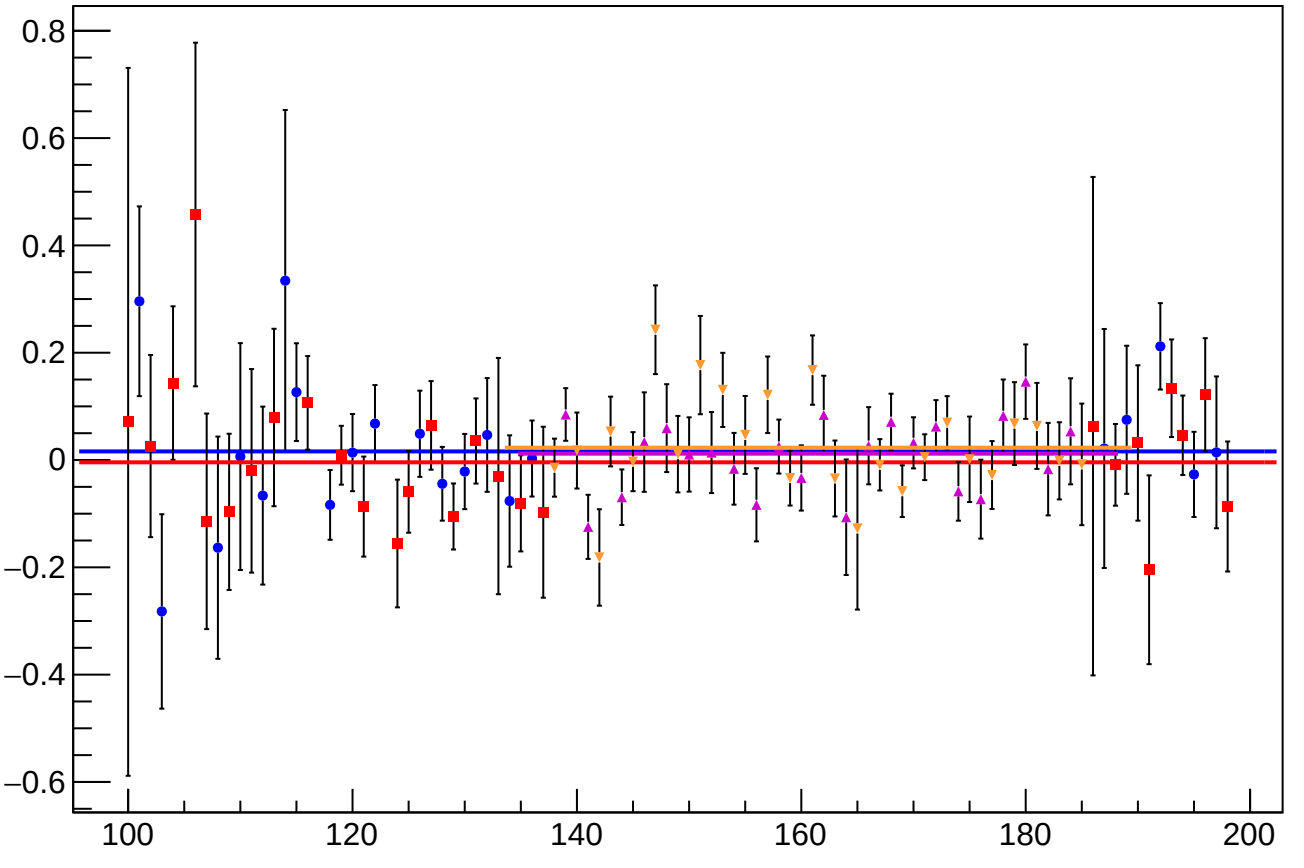
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 62.608+/-0.010 χ^2/NDF: 6741779.0/47

In: 56.591+/-0.008 χ^2/NDF:4313827.0/43

Out: 57.364+/-0.008 χ^2/NDF:5976221.3/51

All: 56.990+/-0.006 χ^2/NDF: 10294957.3/95



Right In: 0.016+/-0.021 χ^2/NDF: 19.9/20

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.004+/-0.020 χ^2/NDF: 19.5/26

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

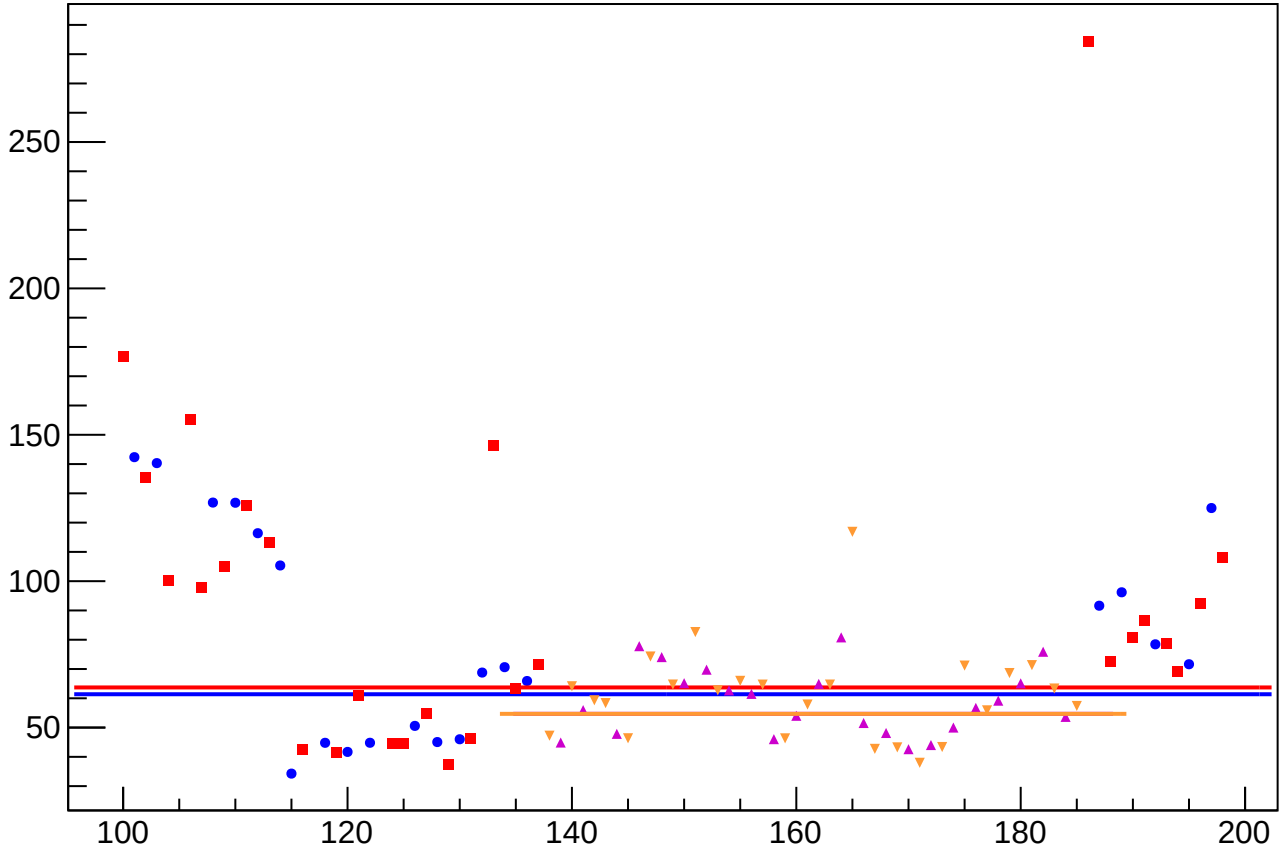
Right: 0.005+/-0.014 χ^2/NDF: 39.9/47

In: 0.013+/-0.011 χ^2/NDF:45.8/43

Out: 0.015+/-0.011 χ^2/NDF:55.0/51

All: 0.014+/-0.008 χ^2/NDF: 100.8/95

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.382+/-0.015 χ^2/NDF: 2978126.3/20

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 63.703+/-0.014 χ^2/NDF: 3750800.4/26

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

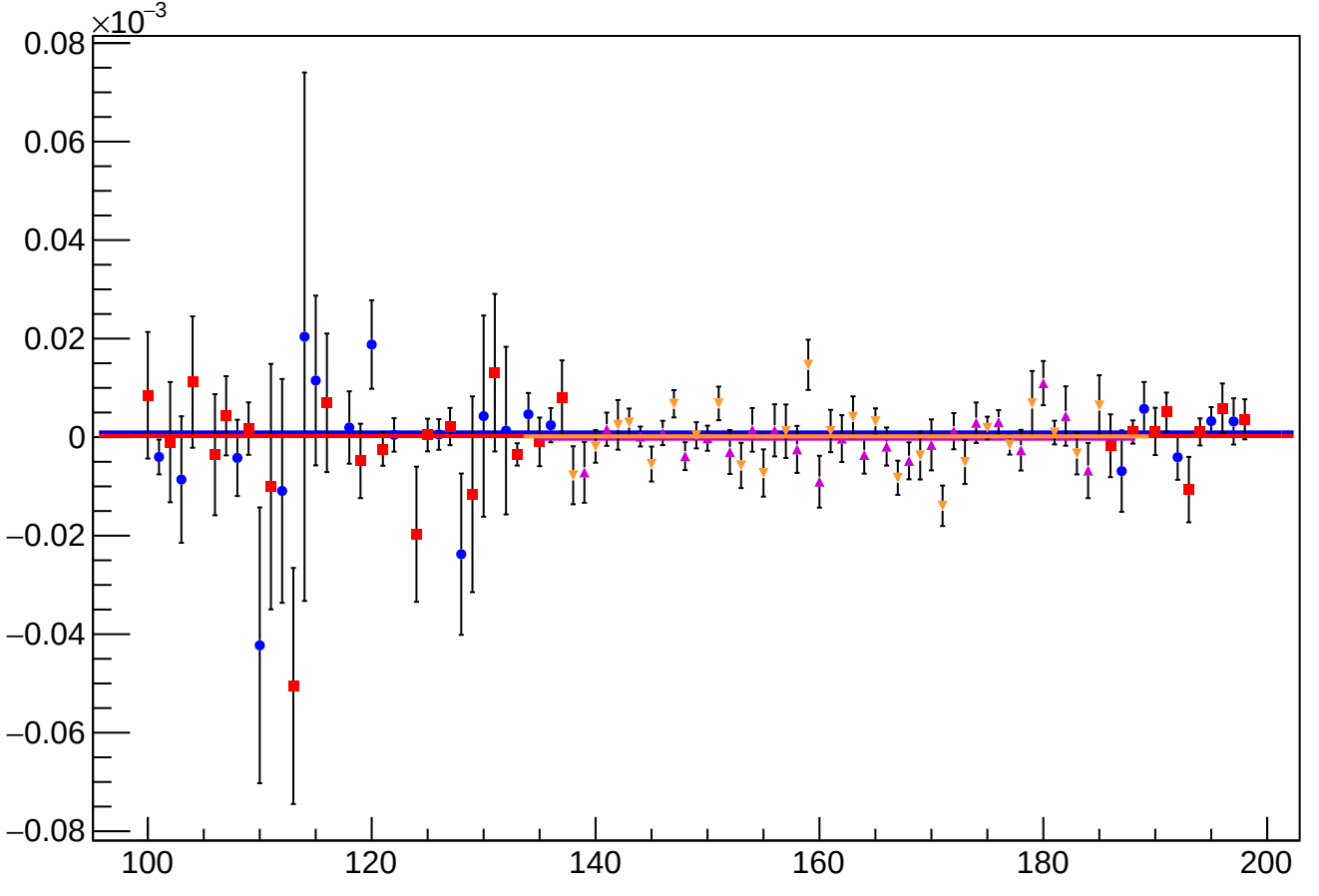
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 62.608+/-0.010 χ^2/NDF: 6741779.0/47

In: 56.591+/-0.008 χ^2/NDF:4313827.0/43

Out: 57.364+/-0.008 χ^2/NDF:5976221.3/51

All: 56.990+/-0.006 χ^2/NDF: 10294957.3/95



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/26

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

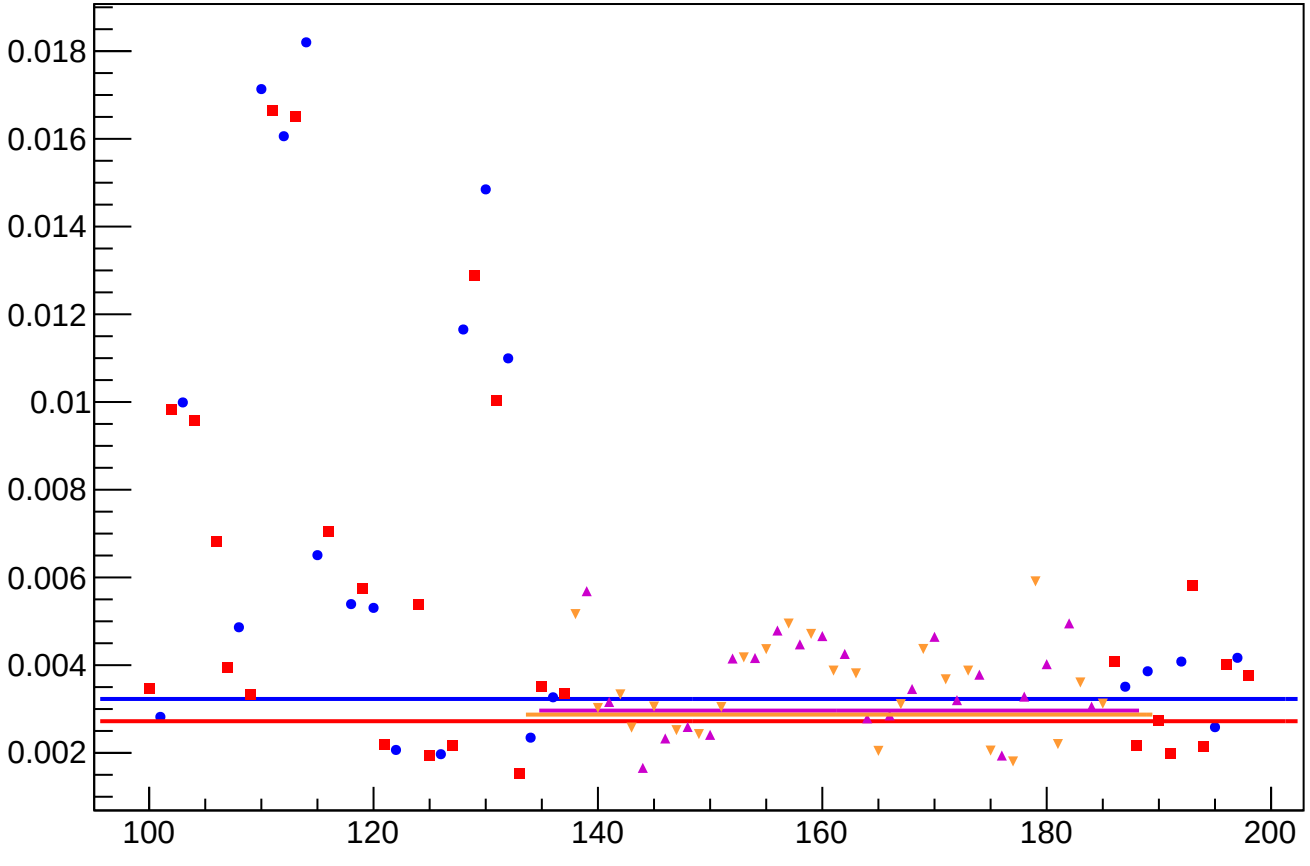
Right: 0.000+/-0.000 χ^2/NDF: 38.6/47

In: 0.000+/-0.000 χ^2/NDF:38.7/43

Out: 0.000+/-0.000 χ^2/NDF:75.0/51

All: 0.000+/-0.000 χ^2/NDF: 113.7/95

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4830364.0/20

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6201335.6/26

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

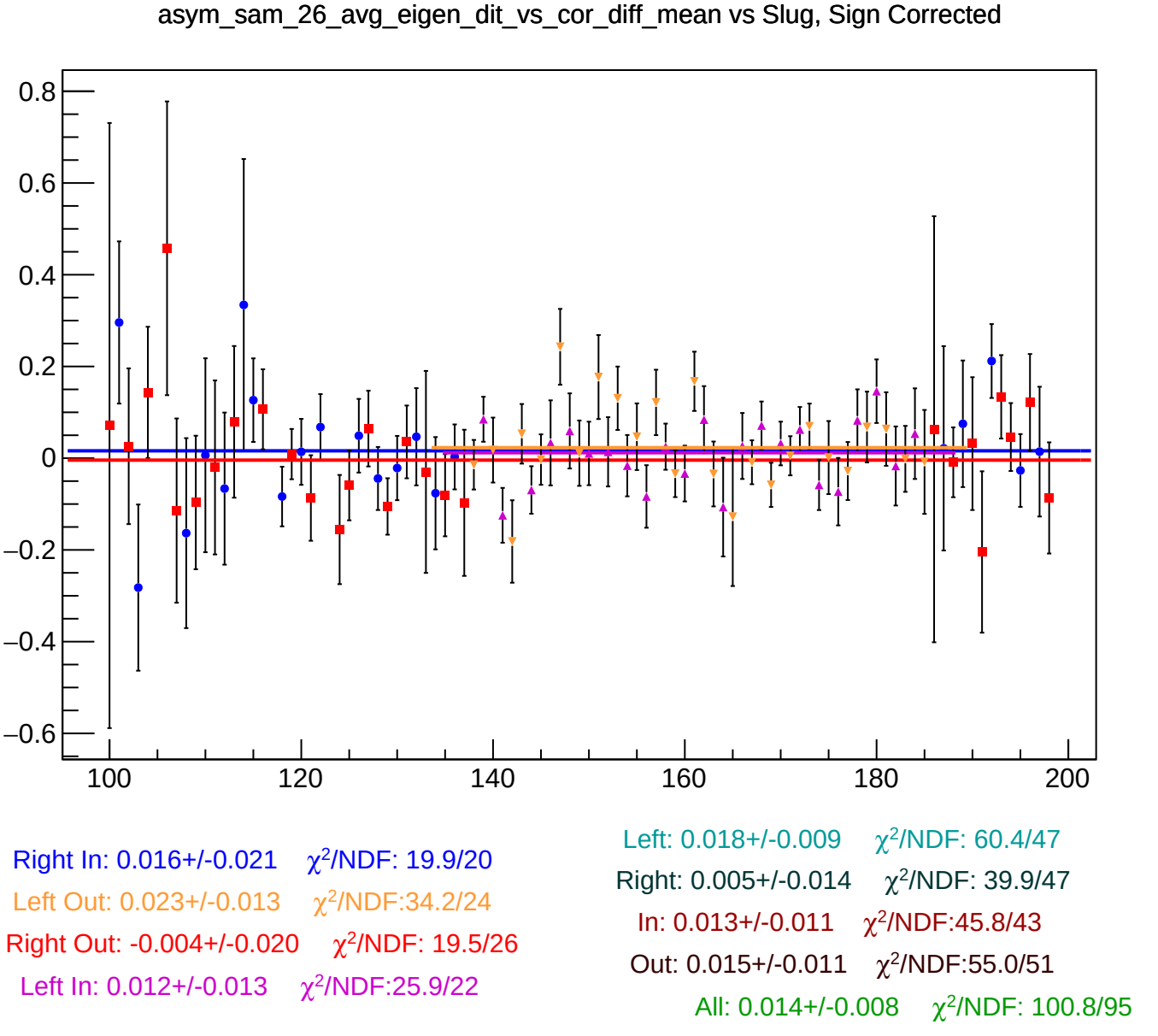
Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

Right: 0.003+/-0.000 χ^2/NDF: 11266429.5/47

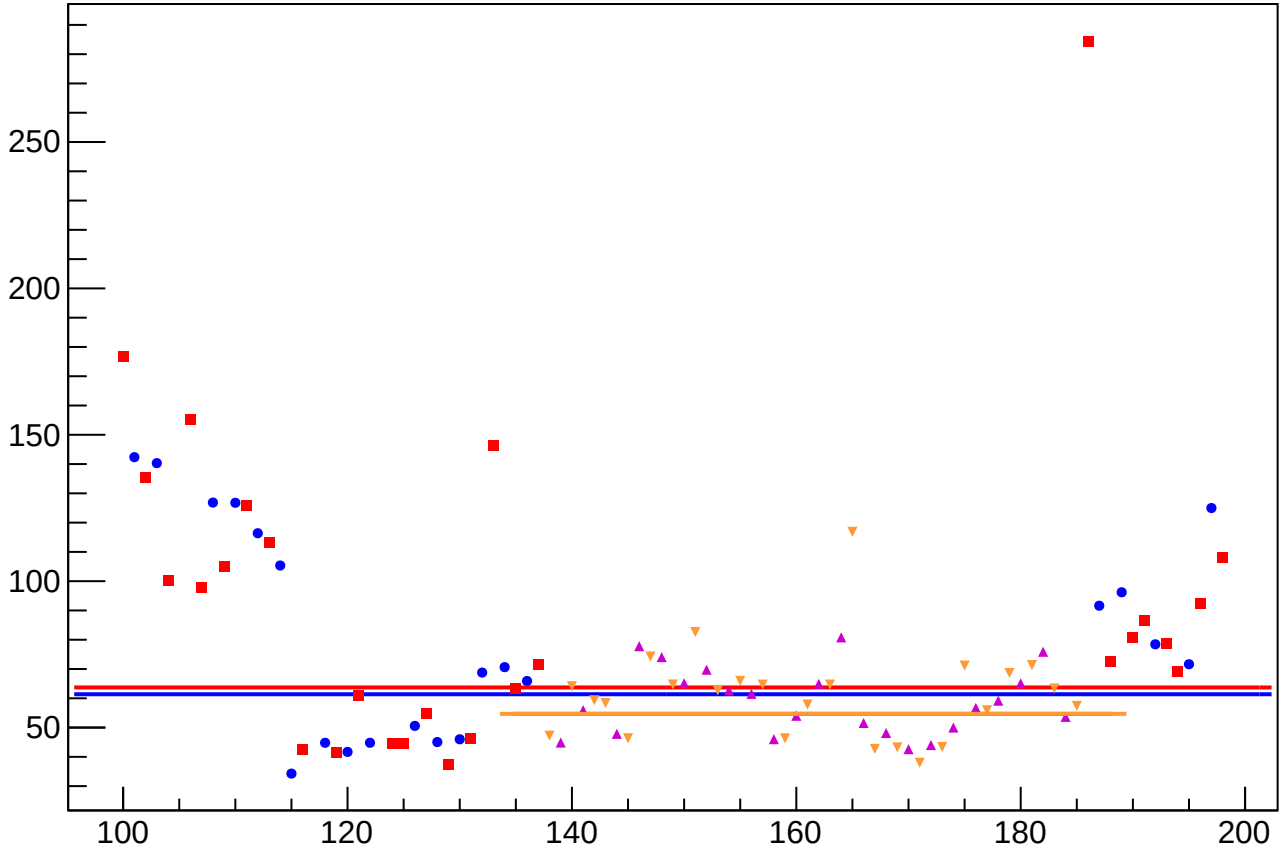
In: 0.003+/-0.000 χ^2/NDF:8523282.0/43

Out: 0.003+/-0.000 χ^2/NDF:9838011.5/51

All: 0.003+/-0.000 χ^2/NDF: 18503754.8/95


asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.016+/-0.021 χ²/NDF: 19.9/20
Left Out: 0.023+/-0.013 χ²/NDF:34.2/24
Right Out: -0.004+/-0.020 χ²/NDF: 19.5/26
Left In: 0.012+/-0.013 χ²/NDF:25.9/22
Left: 0.018+/-0.009 χ²/NDF: 60.4/47
Right: 0.005+/-0.014 χ²/NDF: 39.9/47
In: 0.013+/-0.011 χ²/NDF:45.8/43
Out: 0.015+/-0.011 χ²/NDF:55.0/51
All: 0.014+/-0.008 χ²/NDF: 100.8/95

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.382+/-0.015 χ^2/NDF: 2978089.2/20

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 63.703+/-0.014 χ^2/NDF: 3750776.6/26

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

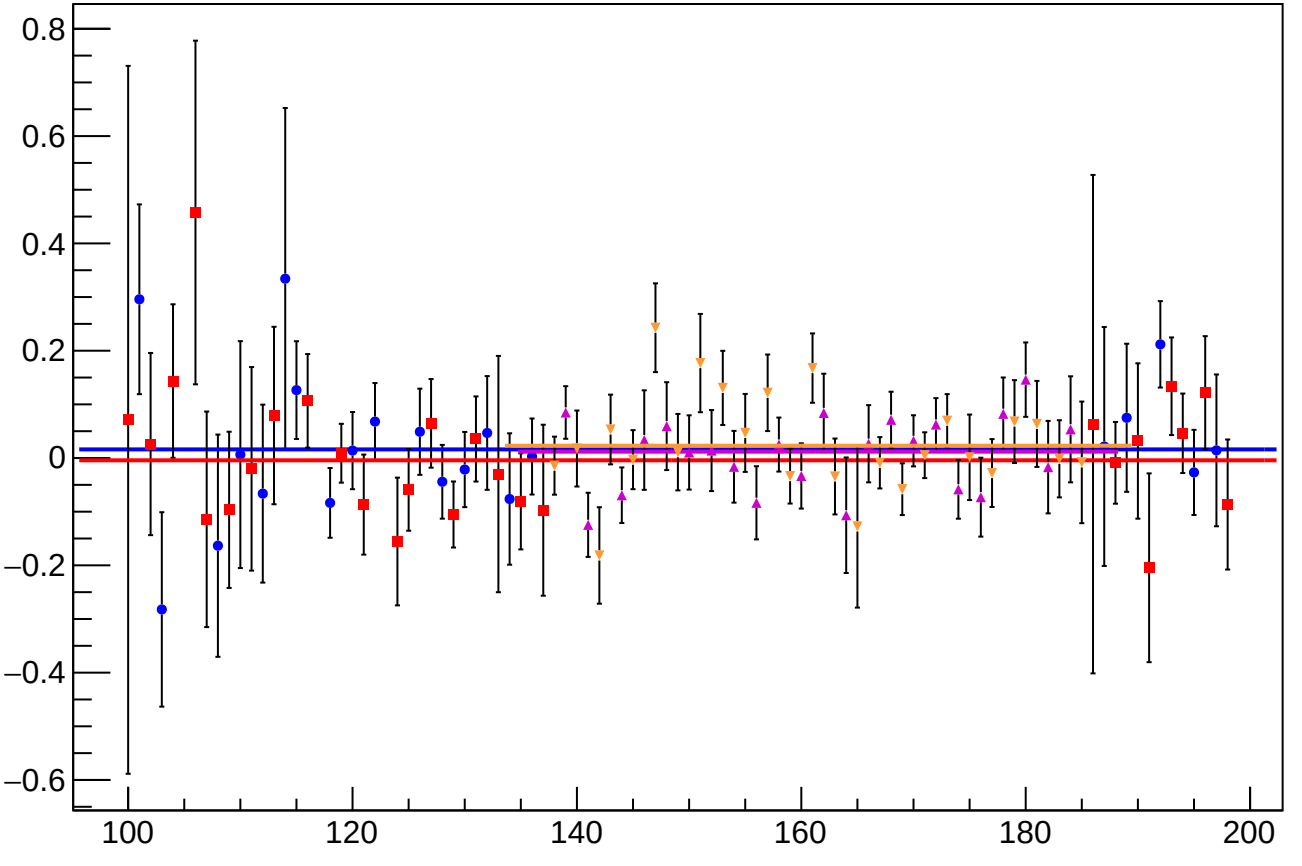
Right: 62.607+/-0.010 χ^2/NDF: 6741716.9/47

In: 56.591+/-0.008 χ^2/NDF:4313721.0/43

Out: 57.364+/-0.008 χ^2/NDF:5976138.2/51

All: 56.991+/-0.006 χ^2/NDF: 10294766.3/95

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.021 χ^2/NDF: 19.9/20

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.004+/-0.020 χ^2/NDF: 19.5/26

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

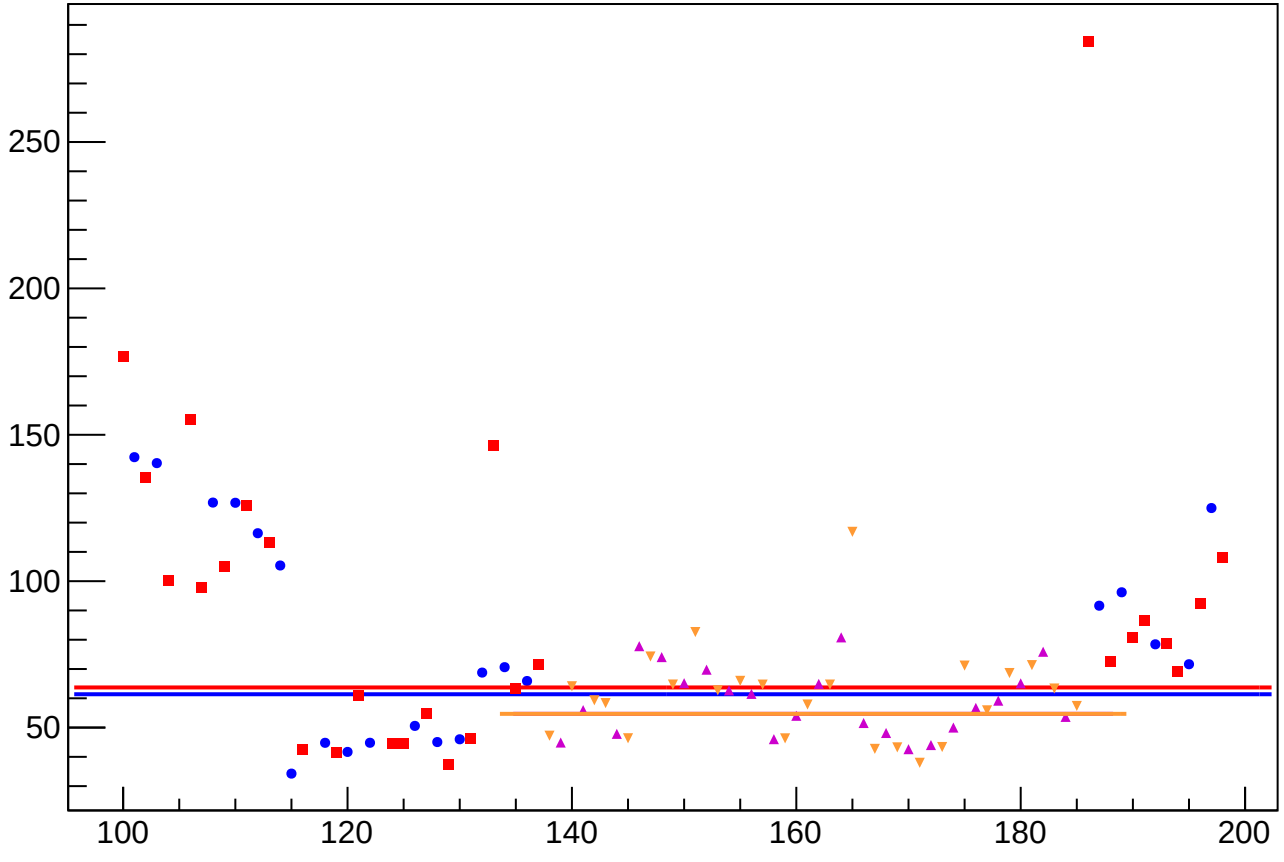
Right: 0.005+/-0.014 χ^2/NDF: 39.9/47

In: 0.013+/-0.011 χ^2/NDF:45.8/43

Out: 0.015+/-0.011 χ^2/NDF:55.0/51

All: 0.014+/-0.008 χ^2/NDF: 100.8/95

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.382+/-0.015 χ^2/NDF: 2978089.2/20

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 63.703+/-0.014 χ^2/NDF: 3750776.6/26

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

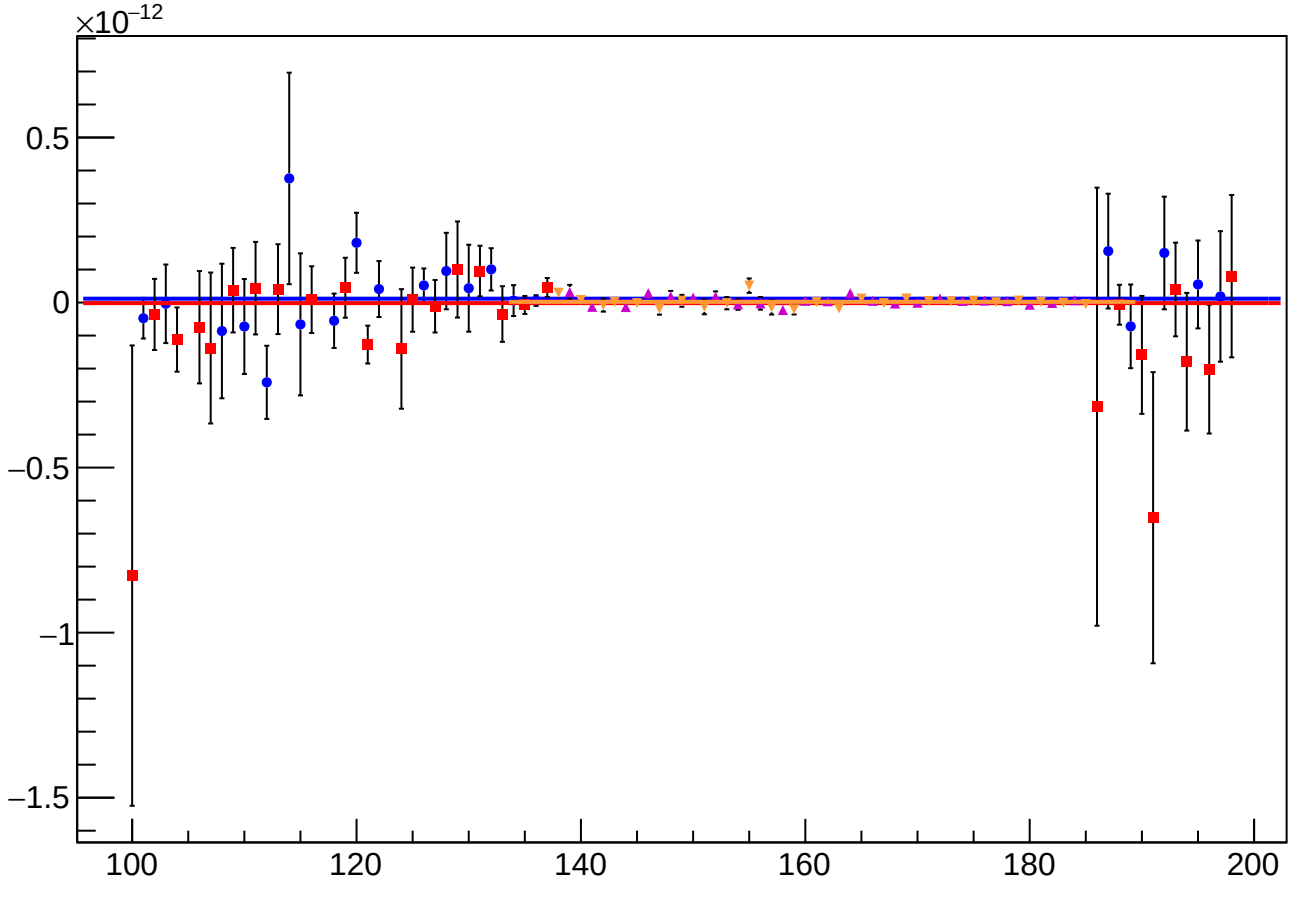
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 62.607+/-0.010 χ^2/NDF: 6741716.9/47

In: 56.591+/-0.008 χ^2/NDF:4313721.0/43

Out: 57.364+/-0.008 χ^2/NDF:5976138.2/51

All: 56.991+/-0.006 χ^2/NDF: 10294766.3/95



Right In: 0.000+/-0.000 χ^2/NDF: 17.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/26

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

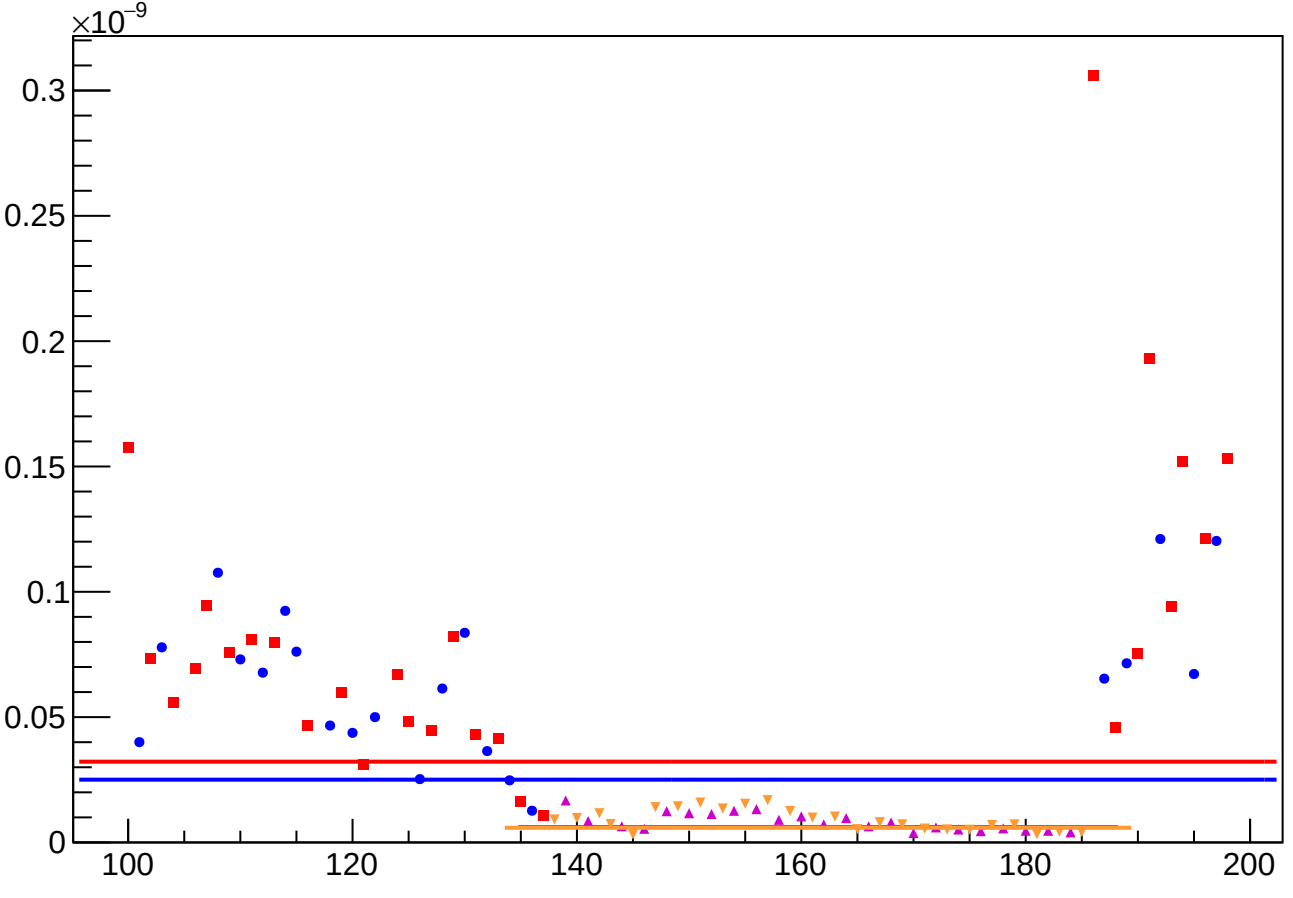
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 37.5/47

In: 0.000+/-0.000 χ^2/NDF:51.1/43

Out: 0.000+/-0.000 χ^2/NDF:40.3/51

All: 0.000+/-0.000 χ^2/NDF: 91.5/95



Right In: 0.000+/-0.000 χ^2/NDF: 5456792.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6717754.2/26

Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

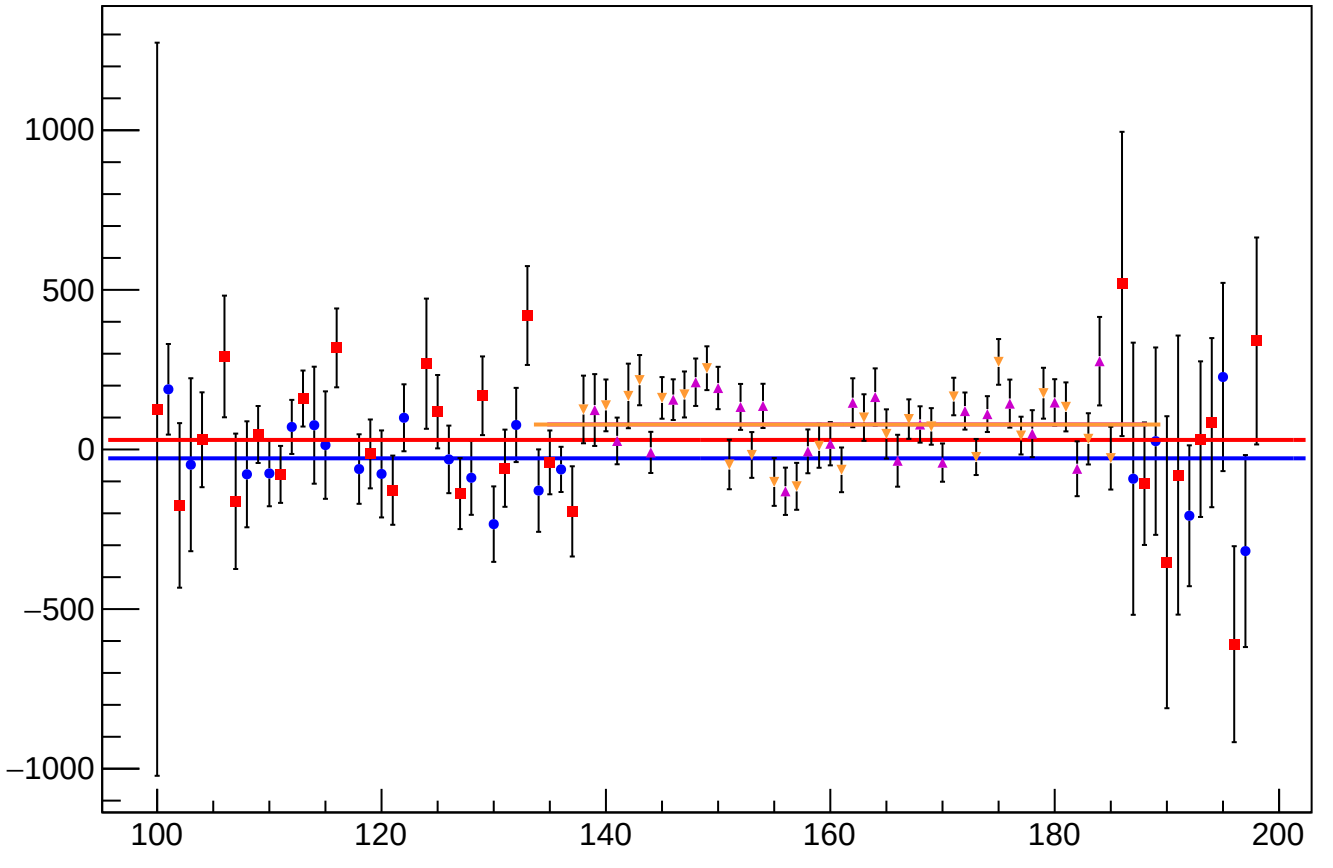
Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12445878.1/47

In: 0.000+/-0.000 χ^2/NDF:13084489.8/43

Out: 0.000+/-0.000 χ^2/NDF:18542917.8/51

All: 0.000+/-0.000 χ^2/NDF: 31648935.9/95



Right In: -27.729+/-28.211 χ^2/NDF: 13.4/20

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: 29.906+/-27.442 χ^2/NDF: 37.8/26

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

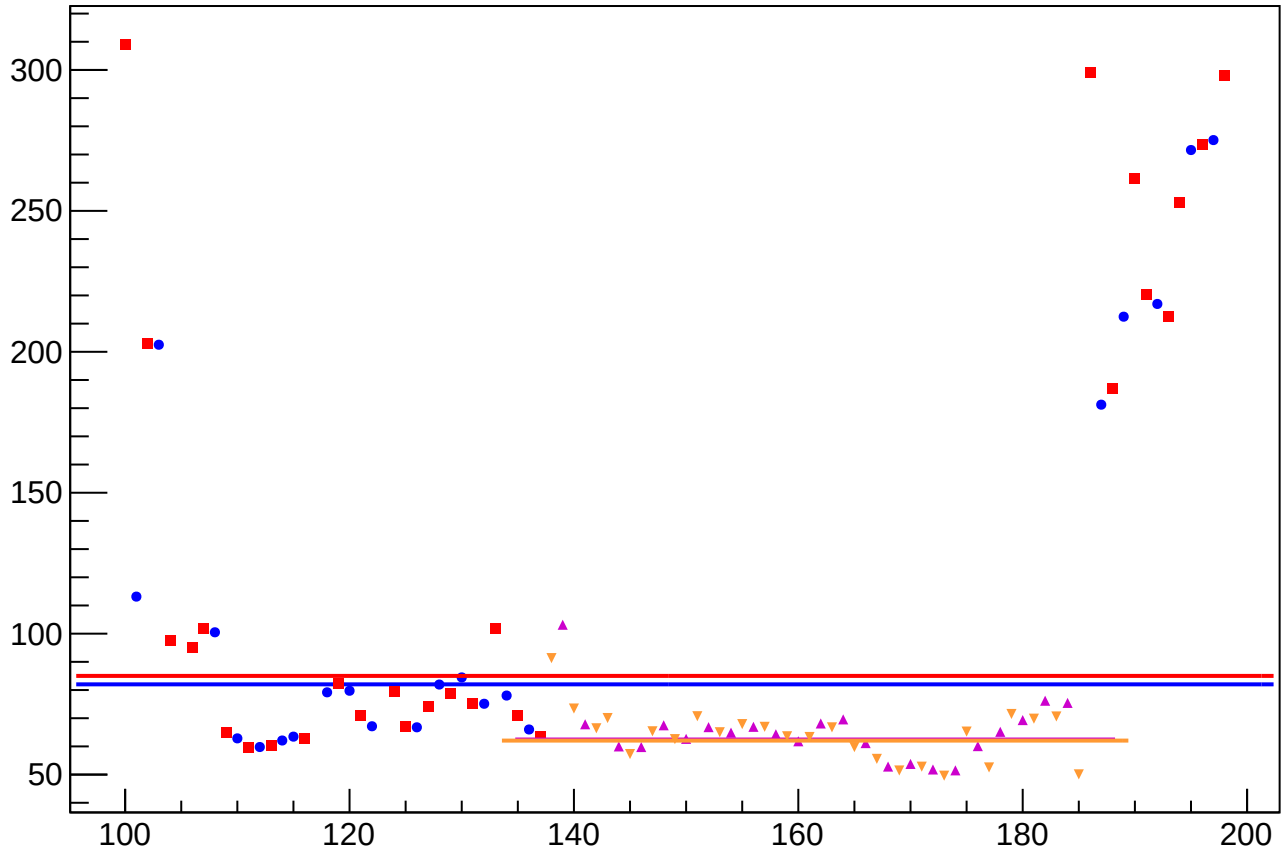
Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

Right: 1.885+/-19.671 χ^2/NDF: 53.3/47

In: 55.551+/-13.114 χ^2/NDF:61.2/43

Out: 67.825+/-12.699 χ^2/NDF:94.1/51

All: 61.885+/-9.123 χ^2/NDF: 155.7/95



Right In: 82.017+/-0.020 χ^2/NDF: 3870907.7/20

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 85.014+/-0.019 χ^2/NDF: 5669238.2/26

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

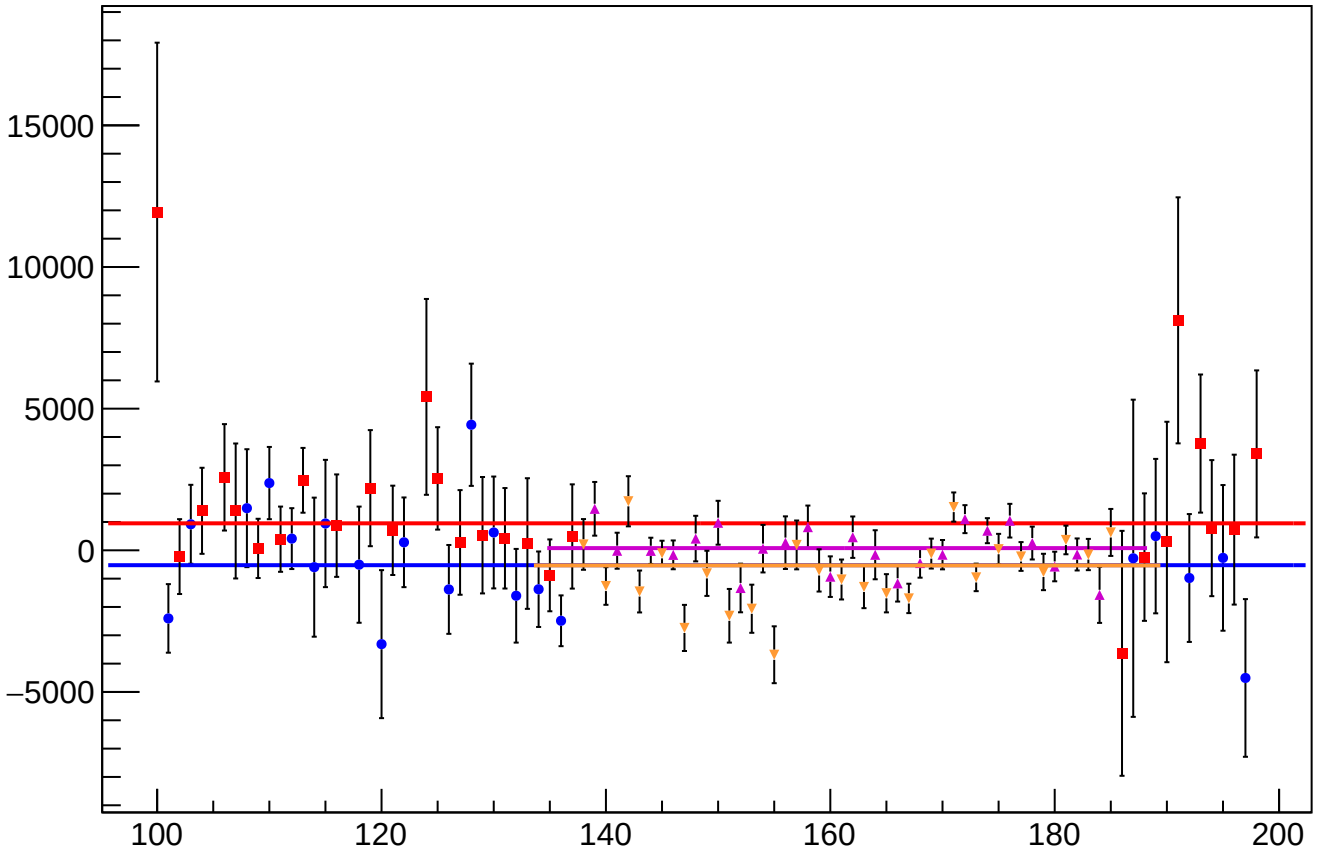
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 83.557+/-0.014 χ^2/NDF: 9551740.5/47

In: 66.674+/-0.009 χ^2/NDF:5290154.8/43

Out: 66.978+/-0.009 χ^2/NDF:7455103.9/51

All: 66.831+/-0.006 χ^2/NDF: 12745811.1/95



Right In: -525.287+/-359.137 χ^2/NDF: 26.0/20

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: 952.519+/-349.722 χ^2/NDF: 19.3/26

Left In: 77.393+/-130.317 χ^2/NDF:28.4/22

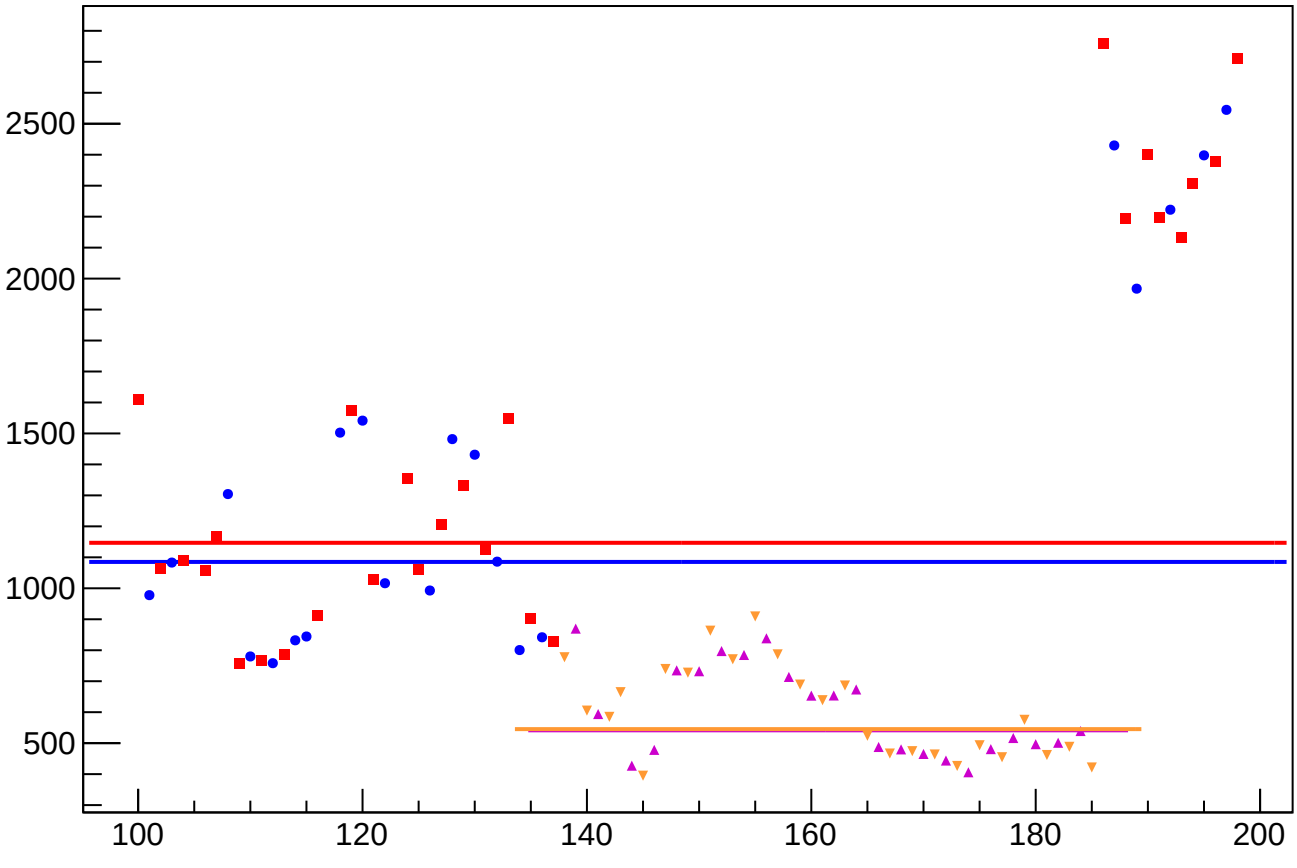
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 233.240+/-250.553 χ^2/NDF: 53.9/47

In: 7.271+/-122.502 χ^2/NDF:56.8/43

Out: -357.492+/-120.141 χ^2/NDF:104.3/51

All: -178.659+/-85.775 χ^2/NDF: 165.6/95



Right In: 1085.159+/-0.254 χ^2/NDF: 2808566.8/20

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1146.909+/-0.247 χ^2/NDF: 3869195.7/26

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

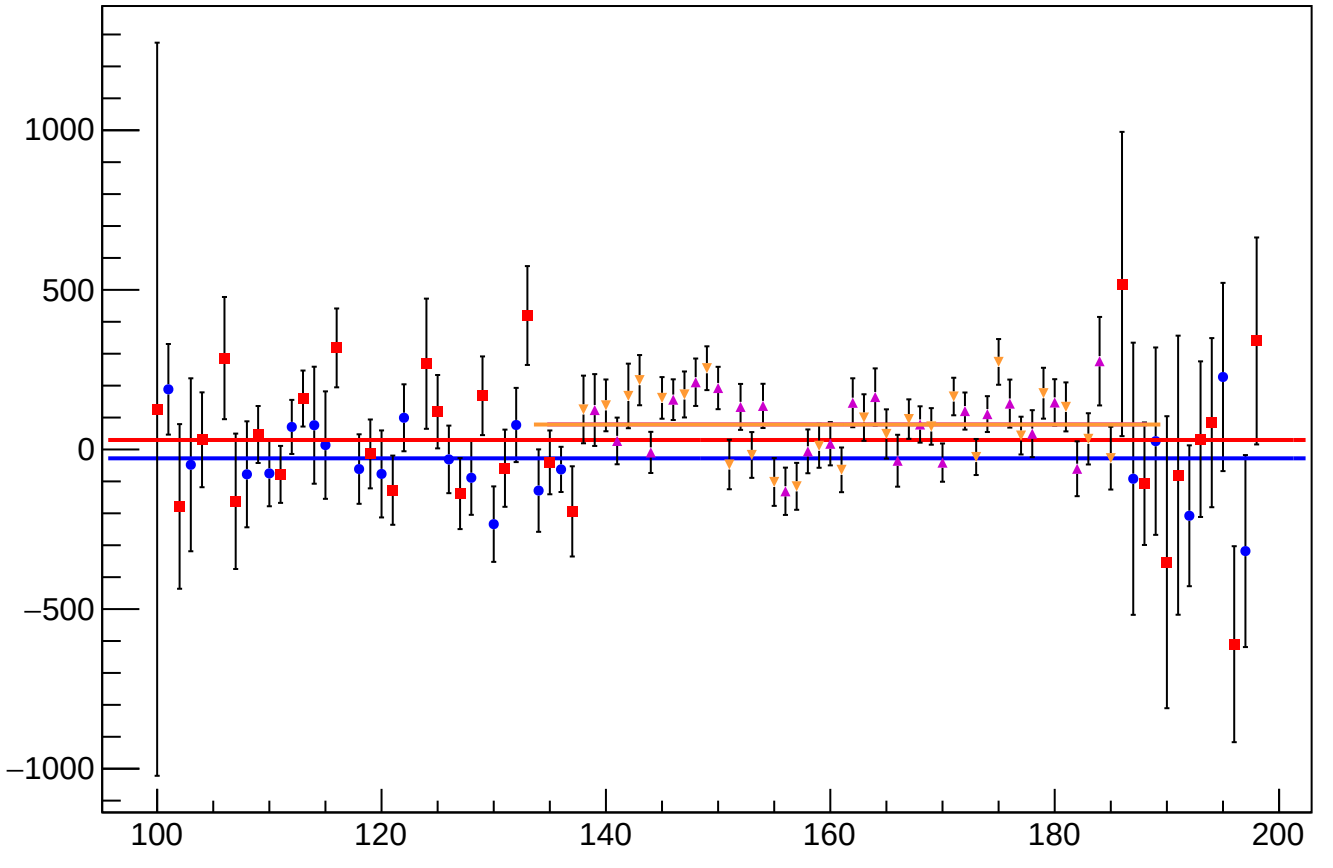
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1116.854+/-0.177 χ^2/NDF: 6708111.0/47

In: 604.717+/-0.087 χ^2/NDF:8699435.3/43

Out: 616.302+/-0.085 χ^2/NDF:11172848.5/51

All: 610.622+/-0.061 χ^2/NDF: 19881401.9/95



Right In: -27.736+/-28.211 χ^2/NDF: 13.4/20

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 29.717+/-27.445 χ^2/NDF: 37.7/26

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

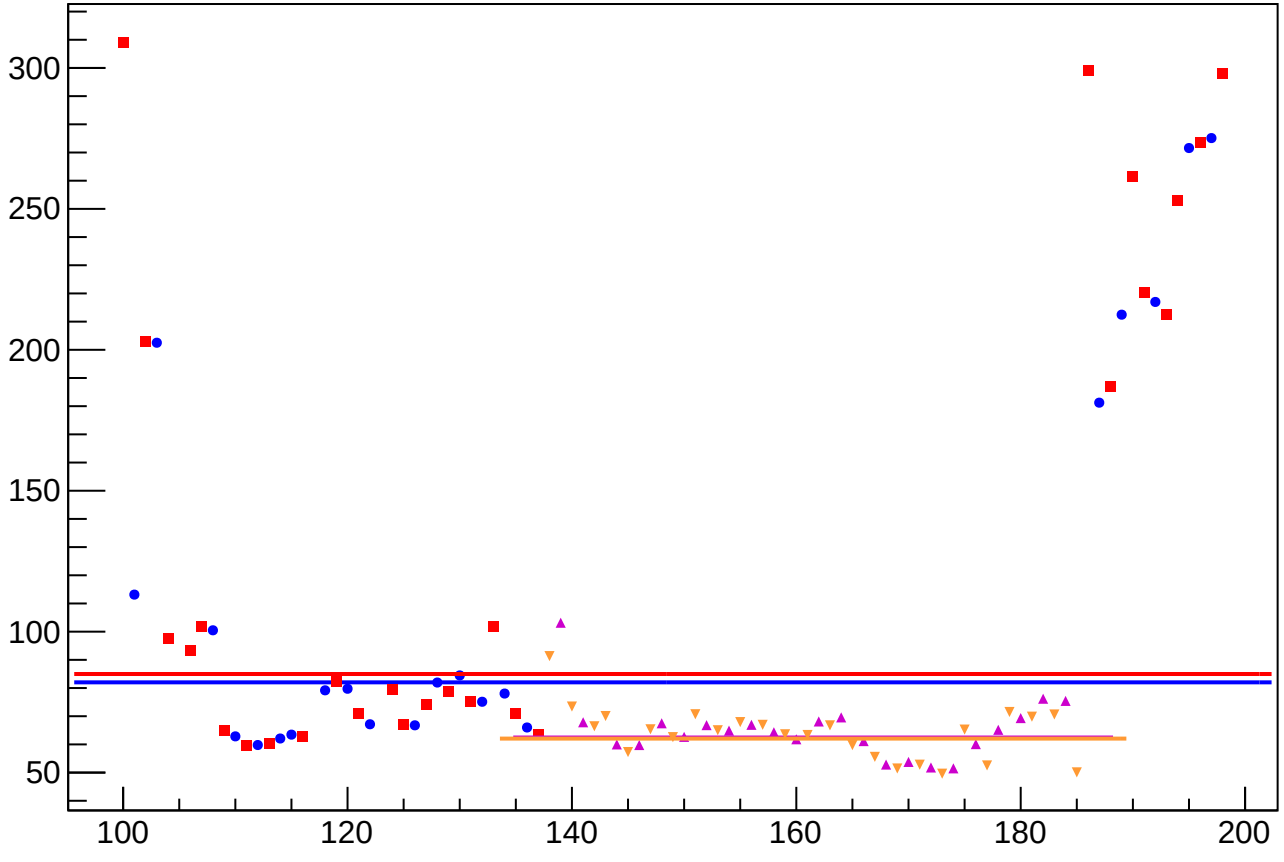
Right: 1.781+/-19.672 χ^2/NDF: 53.2/47

In: 55.549+/-13.114 χ^2/NDF:61.2/43

Out: 67.789+/-12.700 χ^2/NDF:94.0/51

All: 61.866+/-9.123 χ^2/NDF: 155.7/95

cor_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 82.017+/-0.020 χ^2/NDF: 3870909.9/20

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 84.977+/-0.019 χ^2/NDF: 5667707.0/26

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

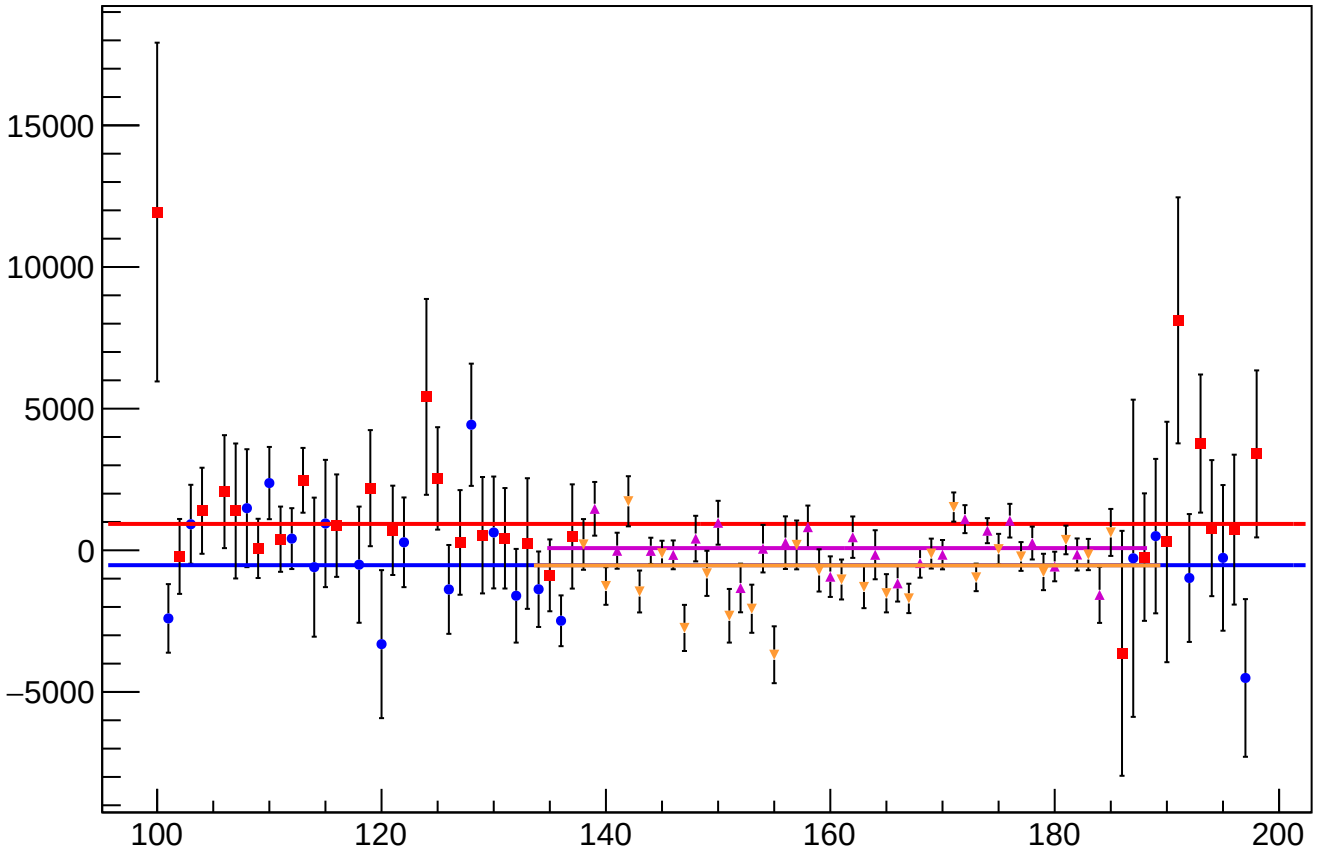
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 83.538+/-0.014 χ^2/NDF: 9549927.2/47

In: 66.674+/-0.009 χ^2/NDF:5290156.7/43

Out: 66.969+/-0.009 χ^2/NDF:7449885.0/51

All: 66.826+/-0.006 χ^2/NDF: 12740563.2/95



Right In: -525.276+/-359.139 χ^2/NDF: 26.0/20

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 931.135+/-350.430 χ^2/NDF: 18.8/26

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

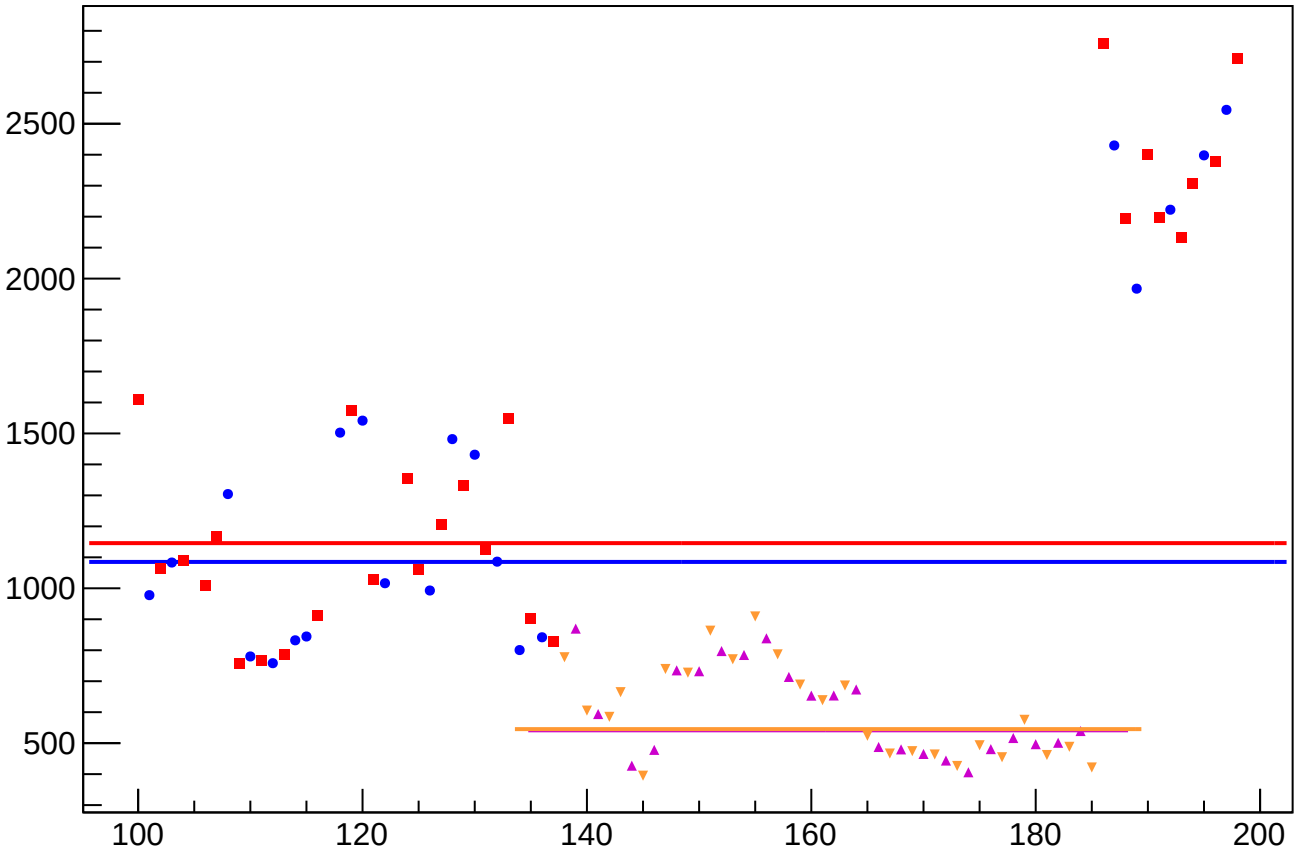
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 220.803+/-250.814 χ^2/NDF: 53.2/47

In: 7.273+/-122.502 χ^2/NDF:56.8/43

Out: -360.628+/-120.170 χ^2/NDF:103.3/51

All: -180.213+/-85.785 χ^2/NDF: 164.8/95



Right In: 1085.166+/-0.254 χ^2/NDF: 2808569.1/20

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1145.839+/-0.248 χ^2/NDF: 3874008.5/26

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

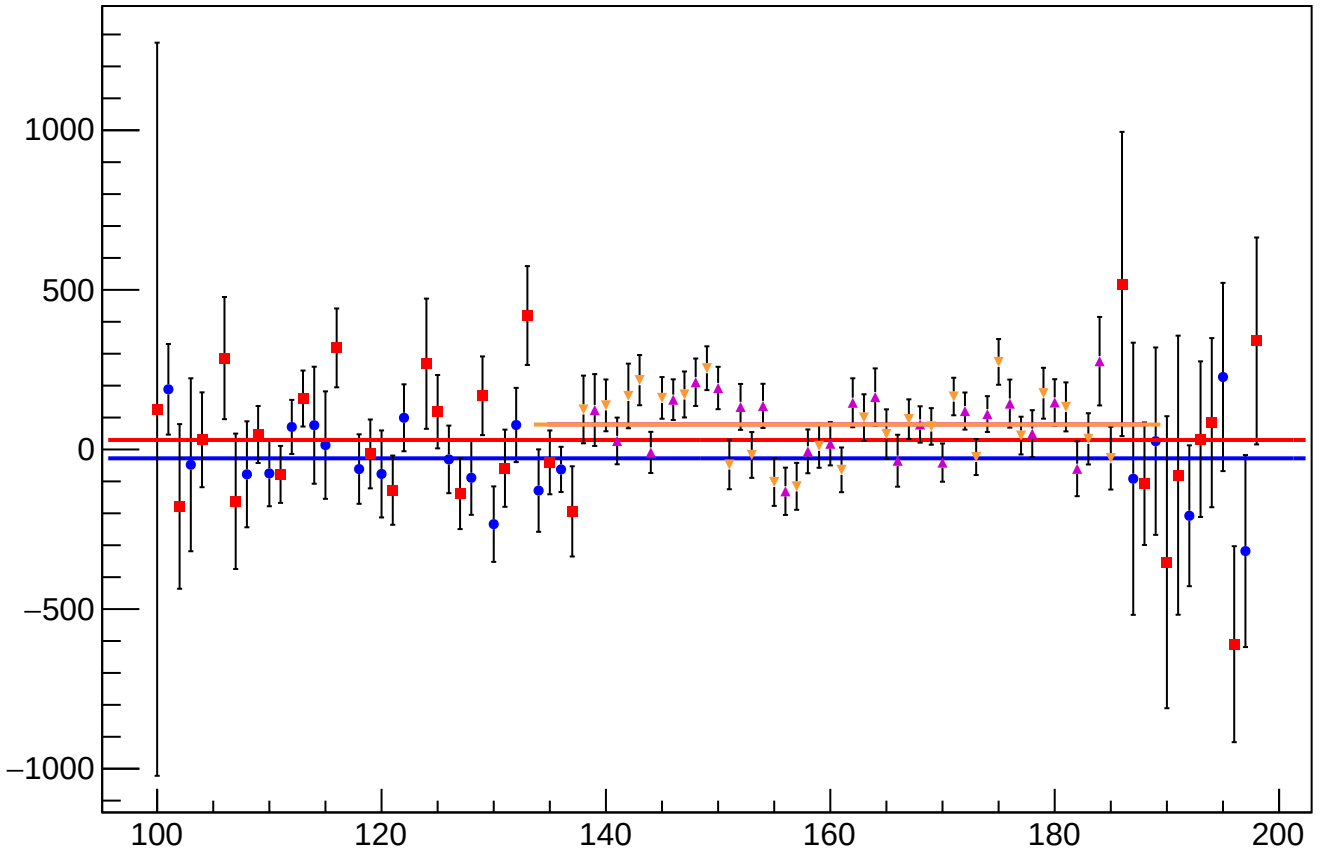
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1116.247+/-0.177 χ^2/NDF: 6711818.2/47

In: 604.717+/-0.087 χ^2/NDF:8699491.8/43

Out: 615.924+/-0.085 χ^2/NDF:11140580.3/51

All: 610.428+/-0.061 χ^2/NDF: 19848601.6/95



Right In: -27.736+/-28.211 χ^2/NDF: 13.4/20

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 29.717+/-27.445 χ^2/NDF: 37.7/26

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

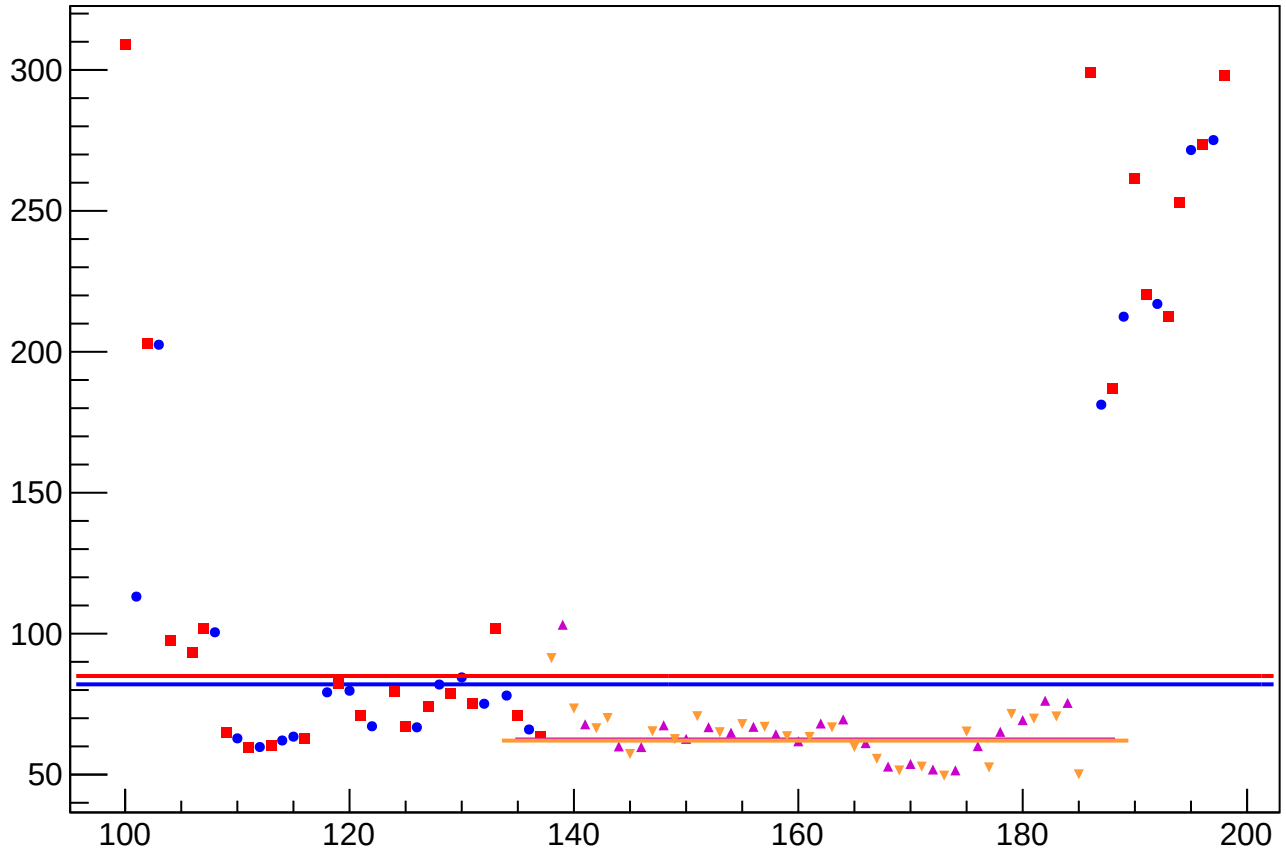
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: 1.781+/-19.672 χ^2/NDF: 53.2/47

In: 55.549+/-13.114 χ^2/NDF:61.2/43

Out: 67.789+/-12.700 χ^2/NDF:94.0/51

All: 61.866+/-9.123 χ^2/NDF: 155.7/95



Right In: 82.017+/-0.020 χ^2/NDF: 3870909.9/20

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 84.977+/-0.019 χ^2/NDF: 5667707.0/26

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

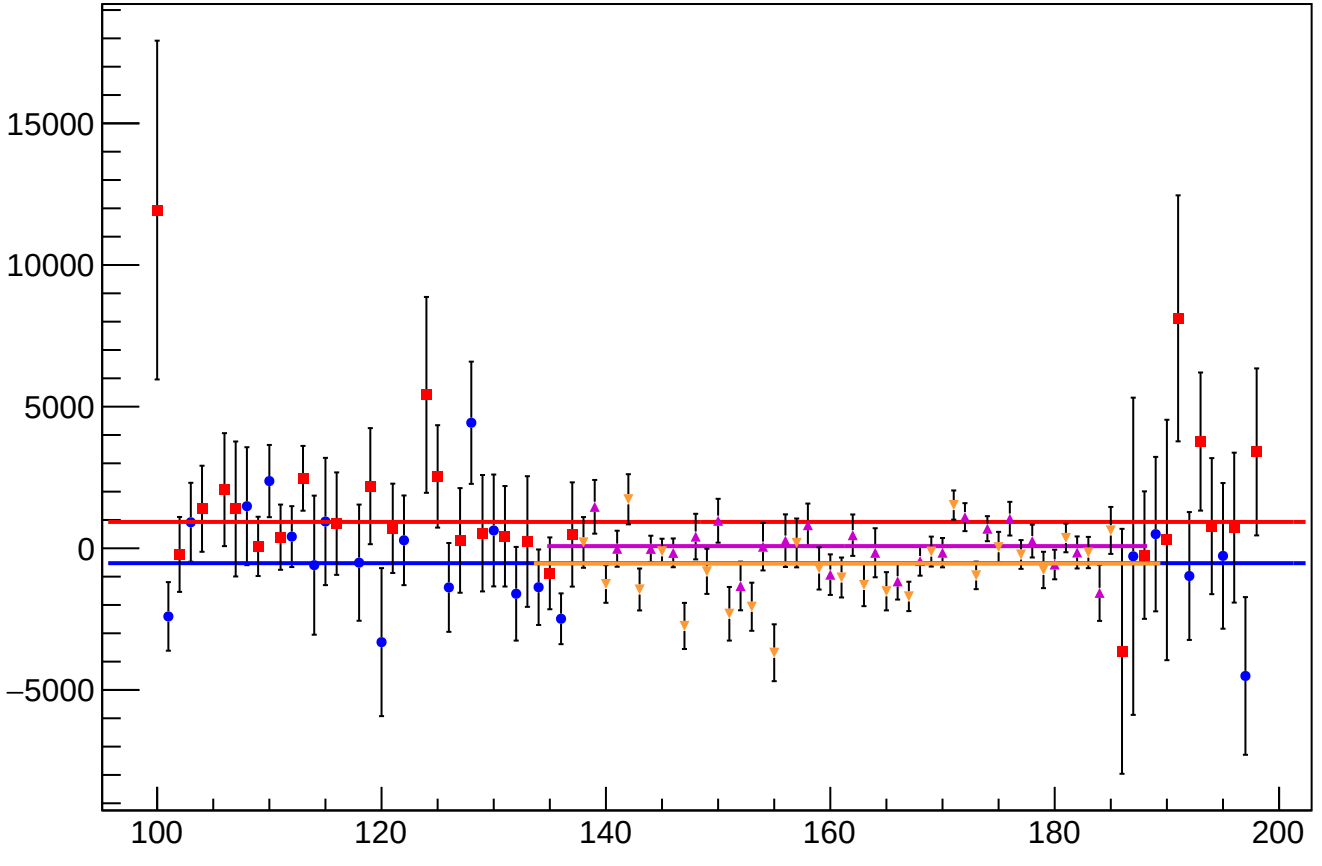
Right: 83.538+/-0.014 χ^2/NDF: 9549927.2/47

In: 66.674+/-0.009 χ^2/NDF:5290156.7/43

Out: 66.969+/-0.009 χ^2/NDF:7449885.0/51

All: 66.826+/-0.006 χ^2/NDF: 12740563.2/95

asym_sam_37_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -525.276+/-359.139 χ^2/NDF: 26.0/20

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 931.135+/-350.430 χ^2/NDF: 18.8/26

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

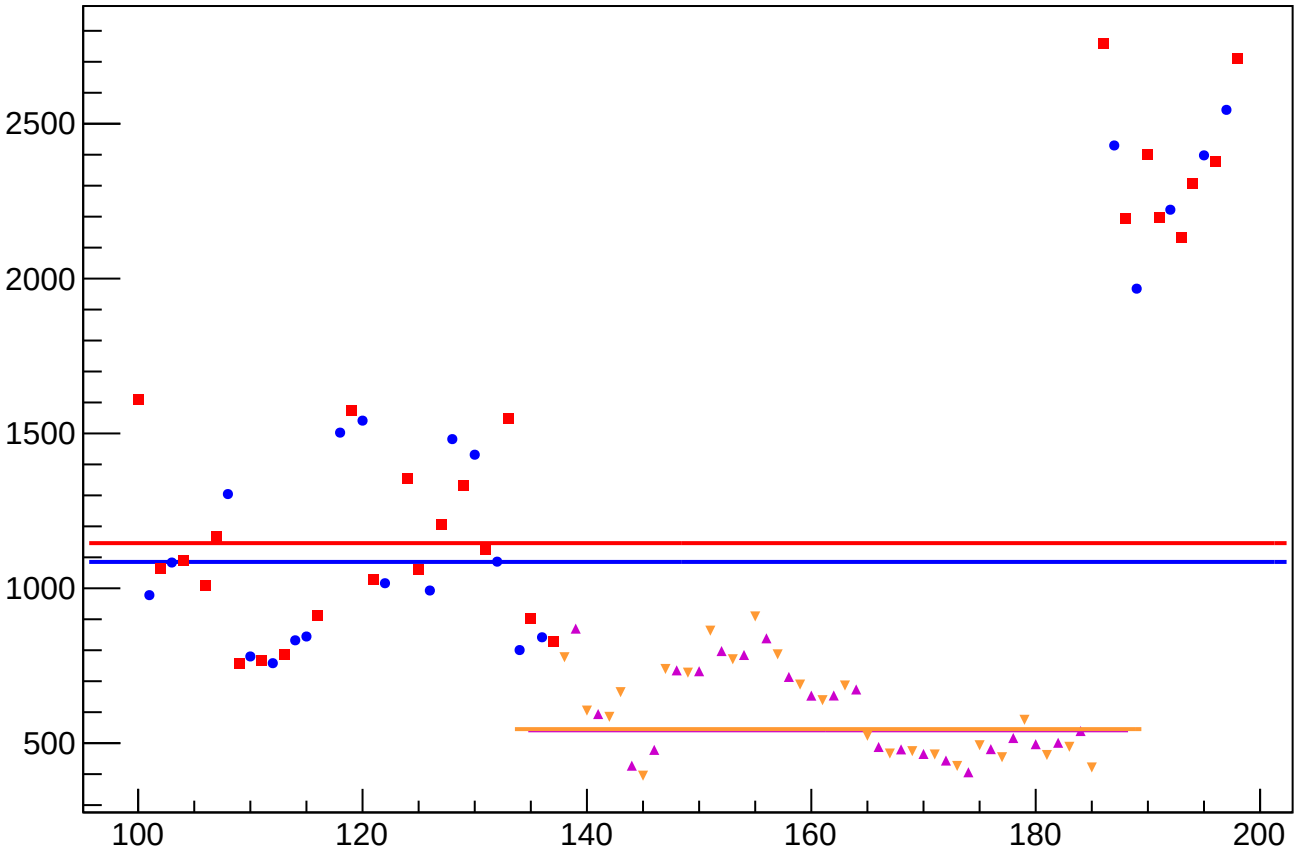
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 220.803+/-250.814 χ^2/NDF: 53.2/47

In: 7.273+/-122.502 χ^2/NDF:56.8/43

Out: -360.628+/-120.170 χ^2/NDF:103.3/51

All: -180.213+/-85.785 χ^2/NDF: 164.8/95



Right In: 1085.166+/-0.254 χ^2/NDF: 2808569.1/20

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1145.839+/-0.248 χ^2/NDF: 3874008.5/26

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

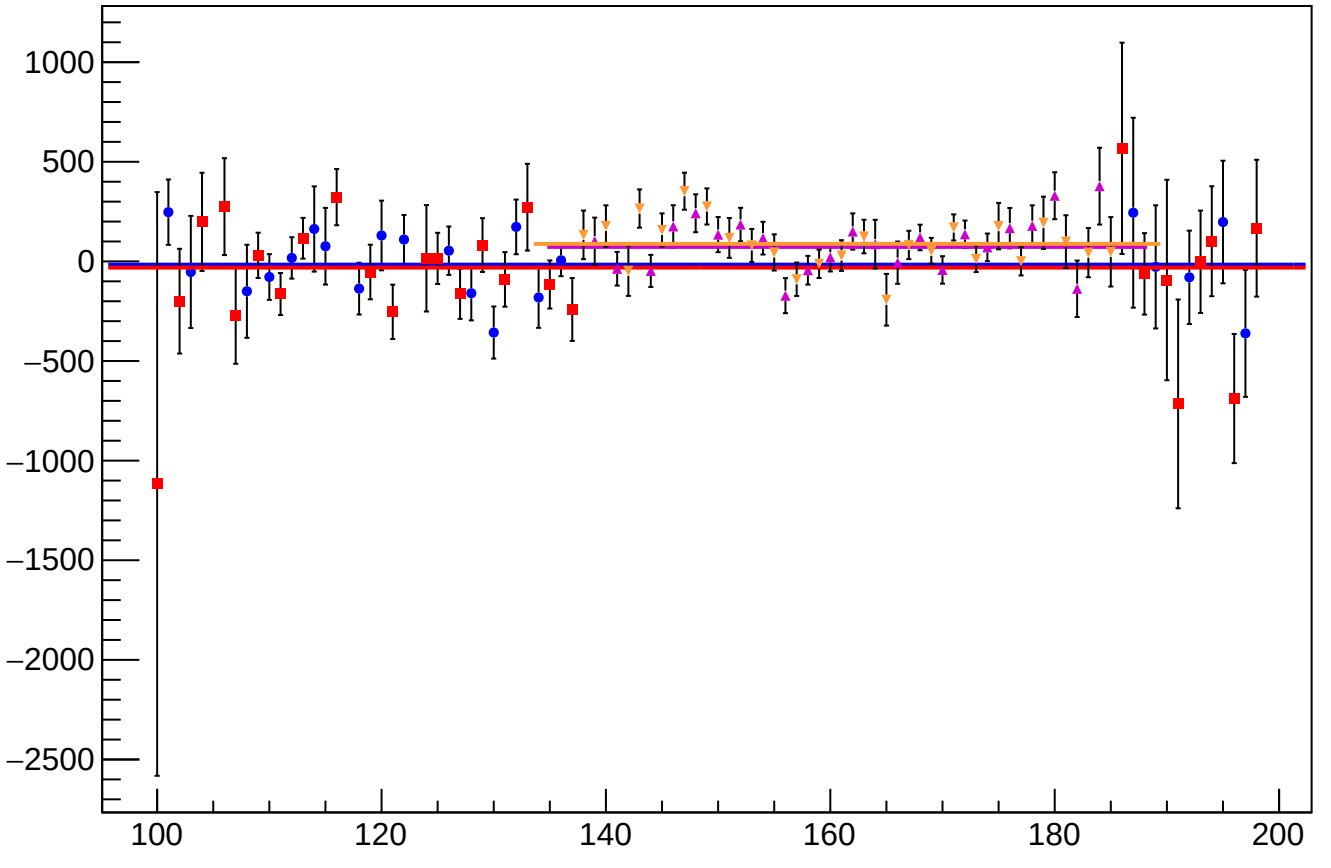
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1116.247+/-0.177 χ^2/NDF: 6711818.2/47

In: 604.717+/-0.087 χ^2/NDF:8699491.8/43

Out: 615.924+/-0.085 χ^2/NDF:11140580.3/51

All: 610.428+/-0.061 χ^2/NDF: 19848601.6/95



Right In: -16.391+/-32.777 χ^2/NDF: 20.3/20

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -31.027+/-32.570 χ^2/NDF: 31.3/26

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

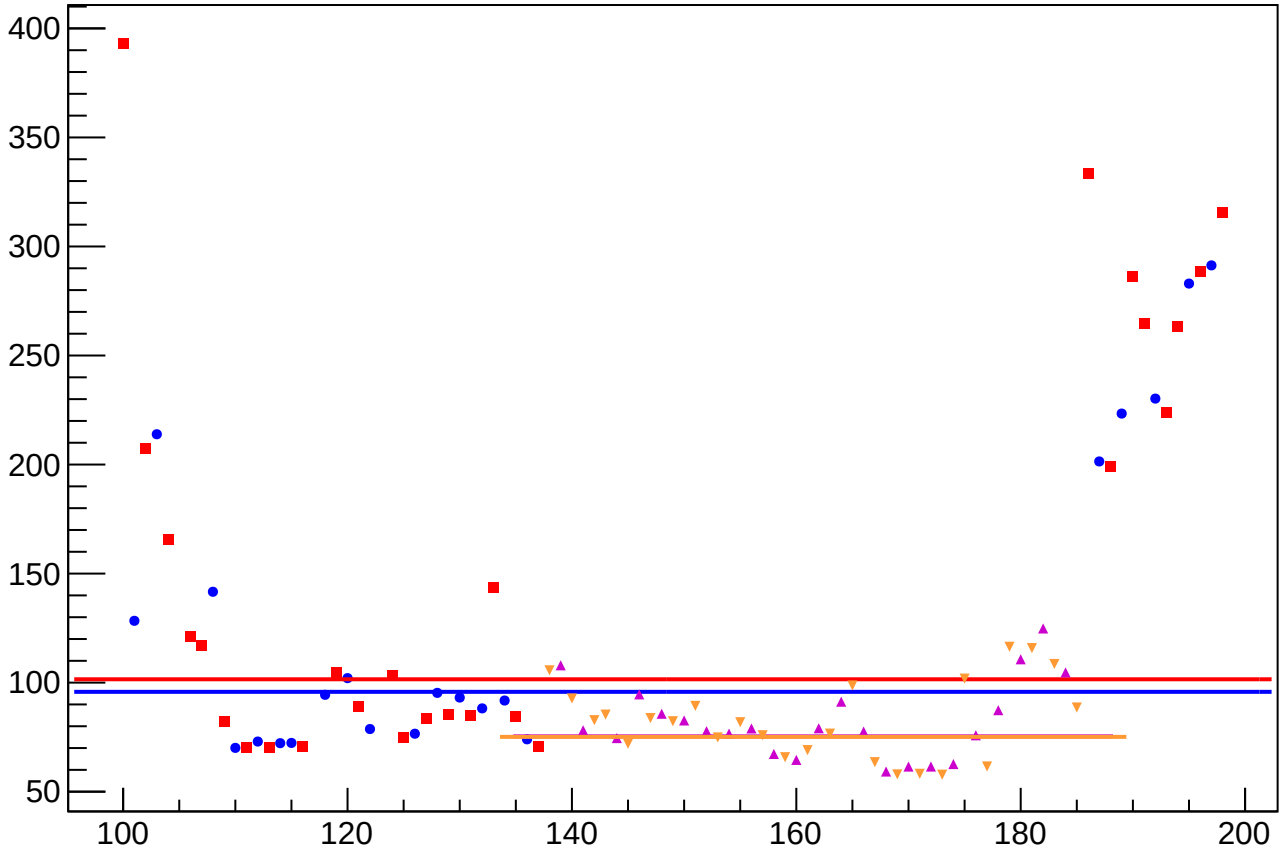
Right: -23.756+/-23.103 χ^2/NDF: 51.7/47

In: 51.684+/-15.962 χ^2/NDF:64.4/43

Out: 60.787+/-15.582 χ^2/NDF:78.5/51

All: 56.345+/-11.150 χ^2/NDF: 143.1/95

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 95.779+/-0.023 χ^2/NDF: 3598383.0/20

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 101.538+/-0.023 χ^2/NDF: 5345382.0/26

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

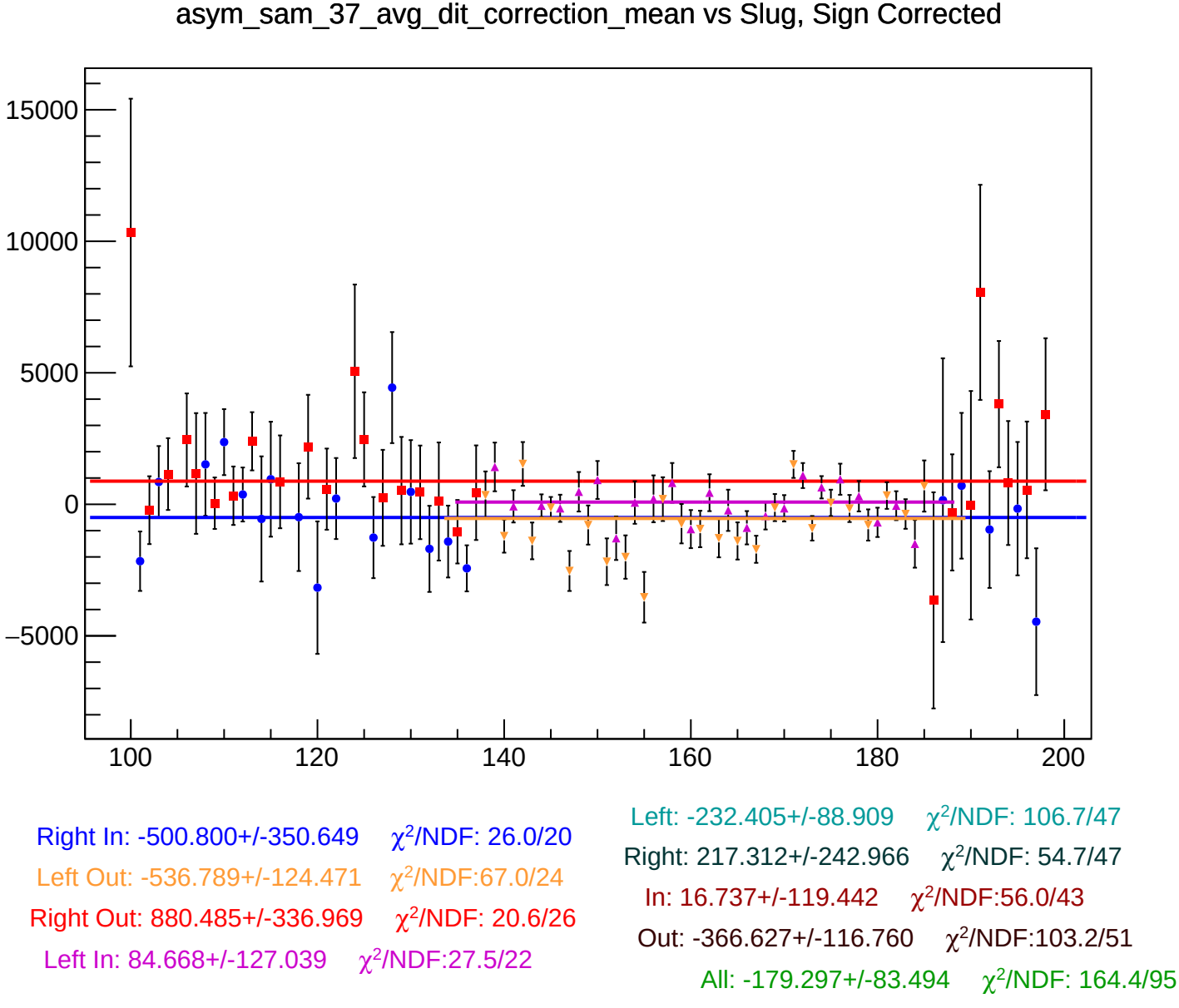
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

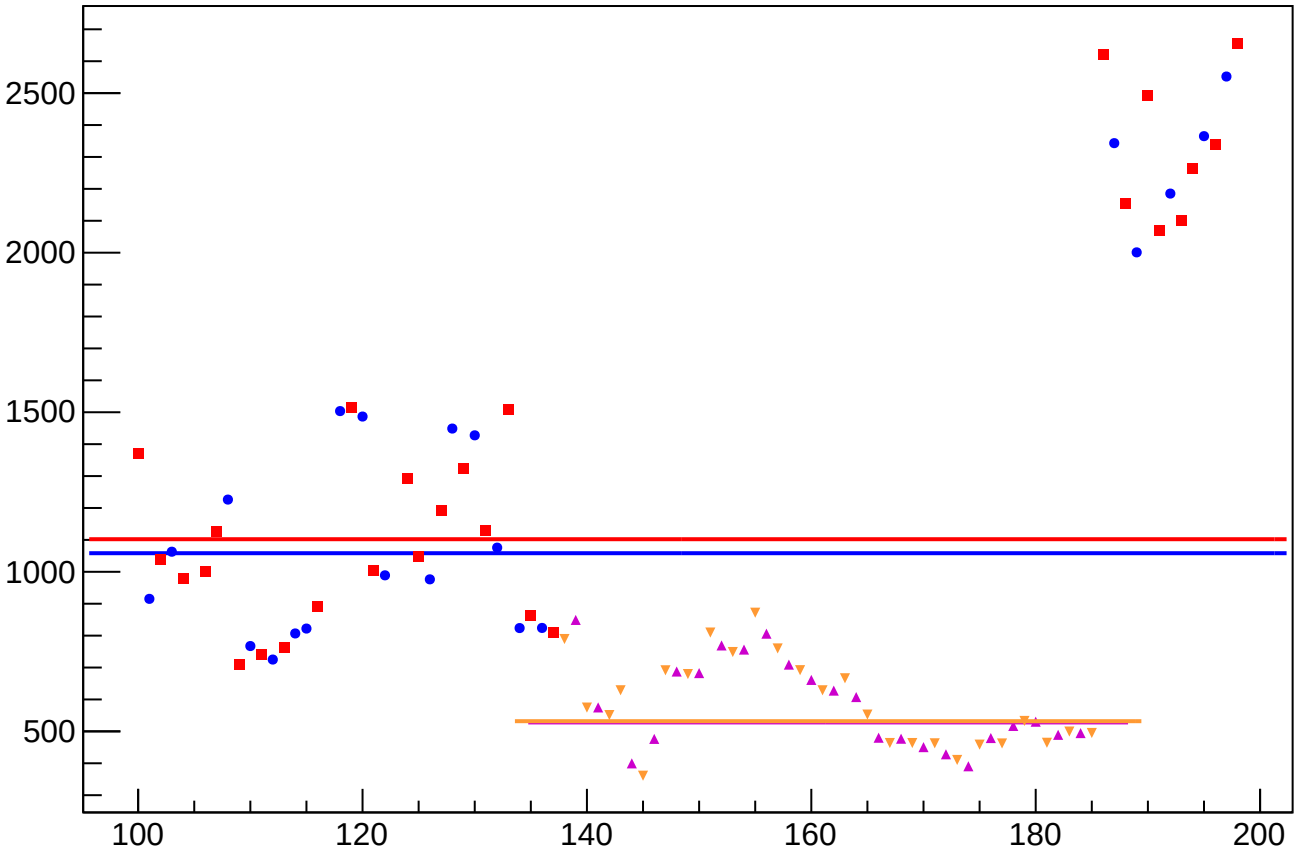
Right: 98.677+/-0.016 χ^2/NDF: 8974834.1/47

In: 80.205+/-0.011 χ^2/NDF:5415635.6/43

Out: 81.173+/-0.011 χ^2/NDF:7960907.8/51

All: 80.701+/-0.008 χ^2/NDF: 13380309.3/95


asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -500.800+/-350.649 χ²/NDF: 26.0/20
Left Out: -536.789+/-124.471 χ²/NDF:67.0/24
Right Out: 880.485+/-336.969 χ²/NDF: 20.6/26
Left In: 84.668+/-127.039 χ²/NDF:27.5/22
Left: -232.405+/-88.909 χ²/NDF: 106.7/47
Right: 217.312+/-242.966 χ²/NDF: 54.7/47
In: 16.737+/-119.442 χ²/NDF:56.0/43
Out: -366.627+/-116.760 χ²/NDF:103.2/51
All: -179.297+/-83.494 χ²/NDF: 164.4/95



Right In: 1058.291+/-0.248 χ^2/NDF: 2879253.9/20

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1102.141+/-0.238 χ^2/NDF: 4020678.3/26

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

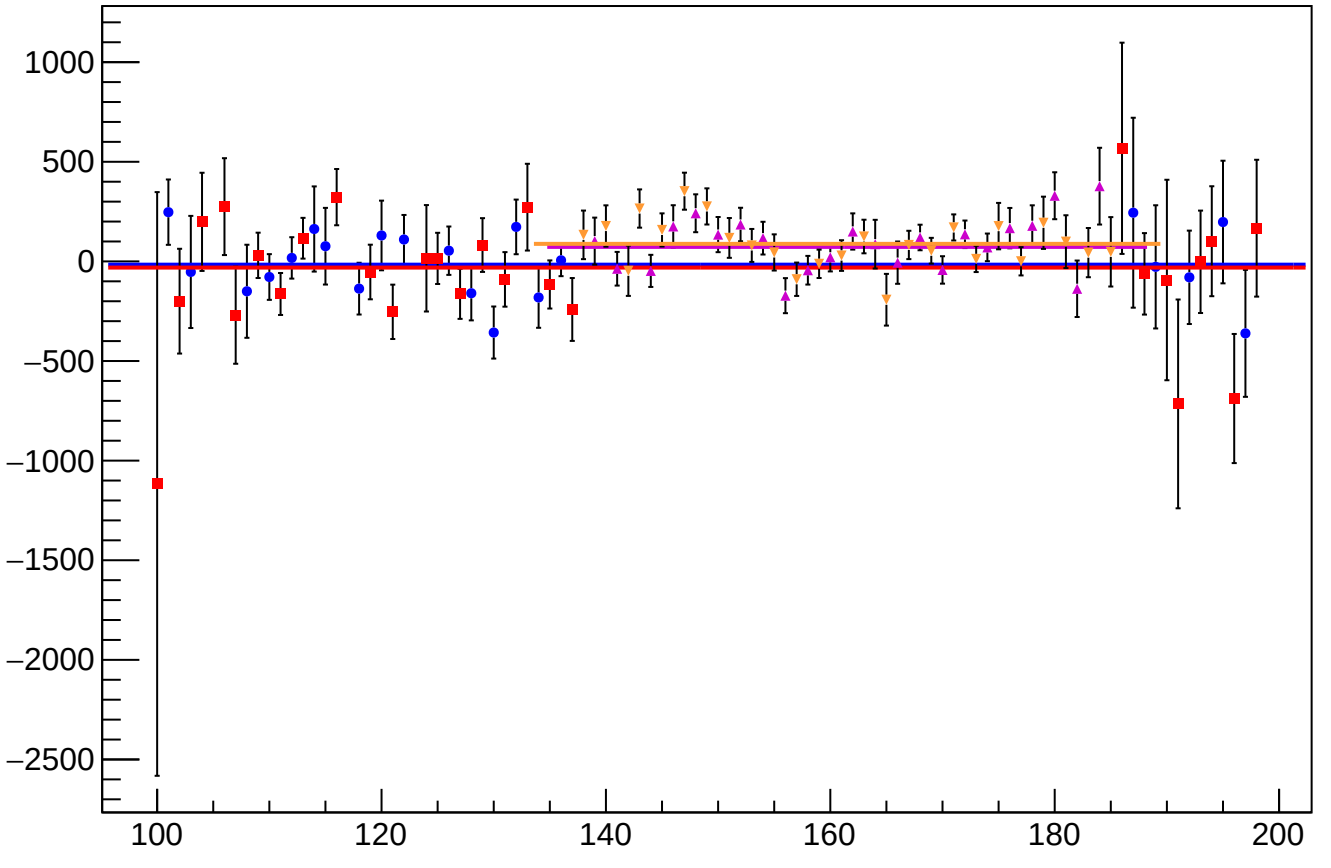
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1081.088+/-0.172 χ^2/NDF: 6916192.9/47

In: 589.517+/-0.084 χ^2/NDF:8723361.2/43

Out: 600.341+/-0.083 χ^2/NDF:11098772.8/51

All: 595.051+/-0.059 χ^2/NDF: 19830532.3/95



Right In: -16.391+/-32.777 χ^2/NDF: 20.3/20

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -31.030+/-32.570 χ^2/NDF: 31.3/26

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

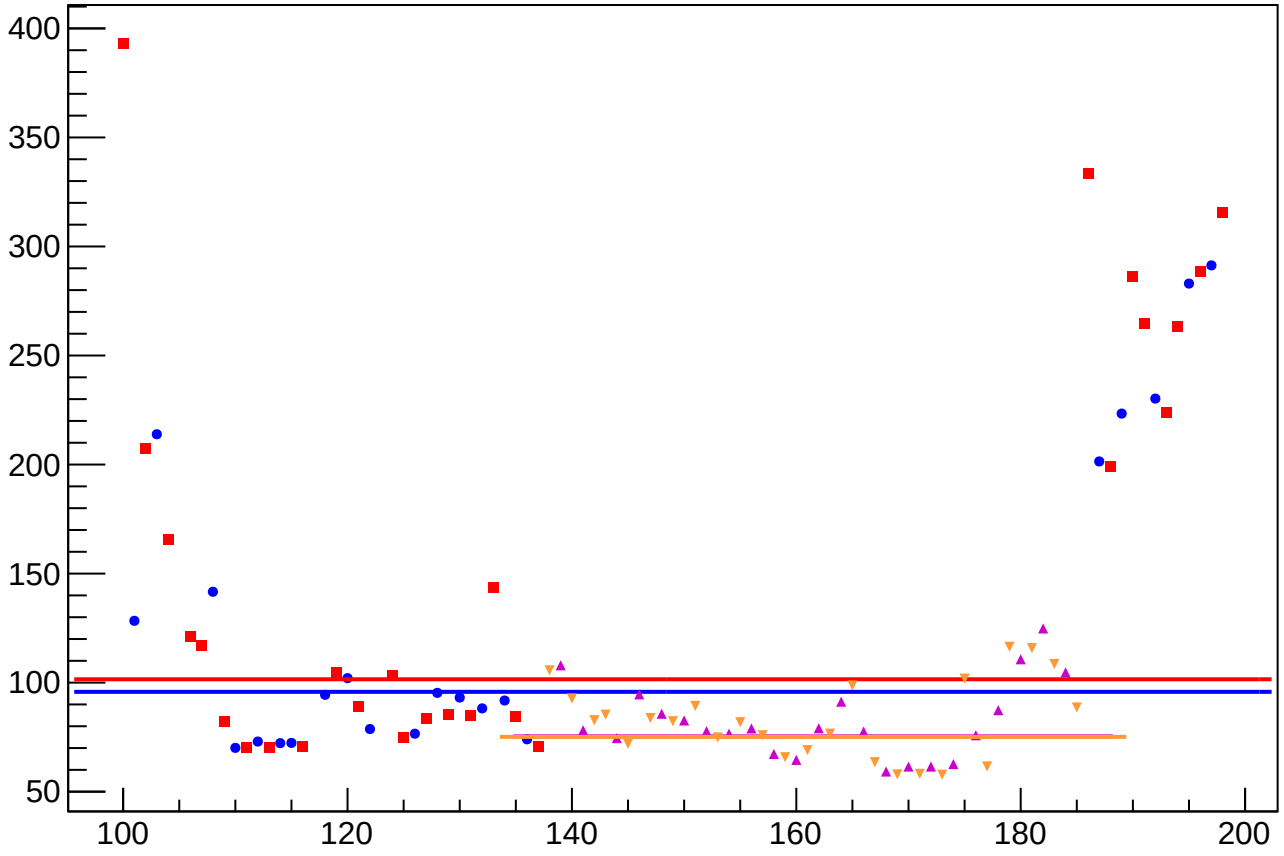
Right: -23.757+/-23.103 χ^2/NDF: 51.7/47

In: 51.684+/-15.962 χ^2/NDF:64.4/43

Out: 60.787+/-15.582 χ^2/NDF:78.5/51

All: 56.345+/-11.150 χ^2/NDF: 143.1/95

eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 95.779+/-0.023 χ^2/NDF: 3598363.4/20

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

Right Out: 101.539+/-0.023 χ^2/NDF: 5345361.1/26

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

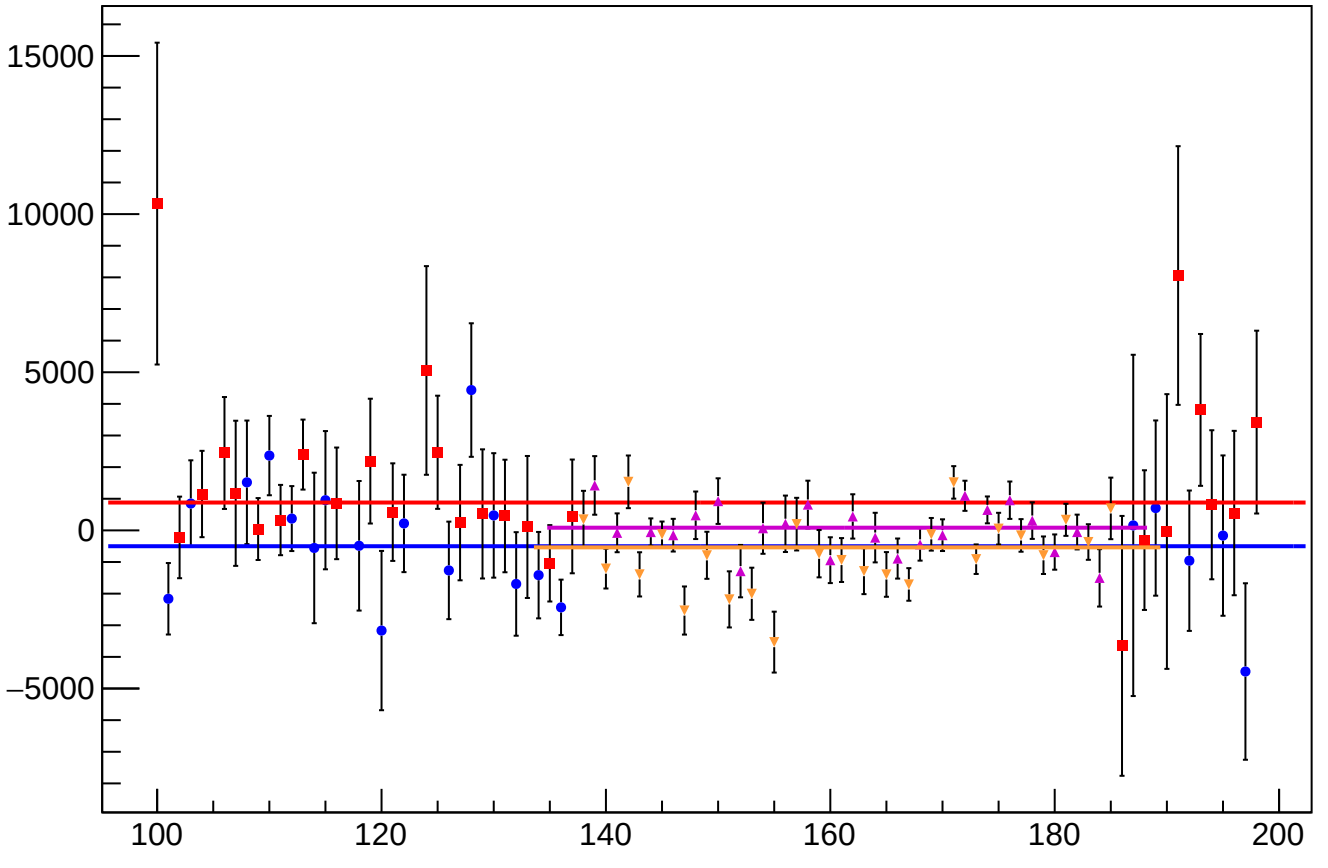
Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

Right: 98.677+/-0.016 χ^2/NDF: 8974794.7/47

In: 80.205+/-0.011 χ^2/NDF:5415624.1/43

Out: 81.173+/-0.011 χ^2/NDF:7960901.2/51

All: 80.701+/-0.008 χ^2/NDF: 13380291.5/95



Right In: -500.798+/-350.649 χ^2/NDF: 26.0/20

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

Right Out: 880.485+/-336.969 χ^2/NDF: 20.6/26

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

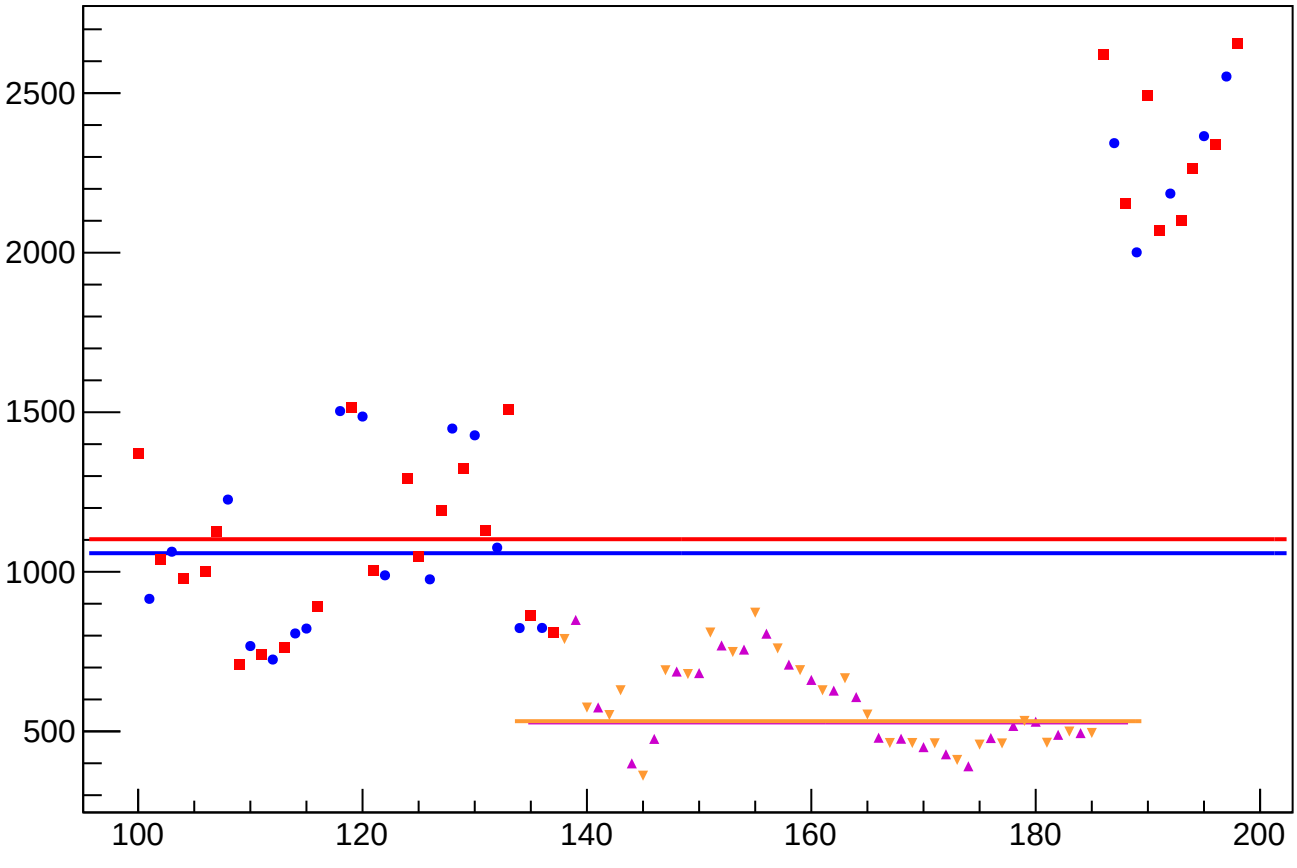
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 217.313+/-242.965 χ^2/NDF: 54.7/47

In: 16.737+/-119.442 χ^2/NDF:56.0/43

Out: -366.627+/-116.760 χ^2/NDF:103.2/51

All: -179.297+/-83.494 χ^2/NDF: 164.4/95



Right In: 1058.289+/-0.248 χ^2/NDF: 2879258.8/20

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1102.139+/-0.238 χ^2/NDF: 4020683.4/26

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

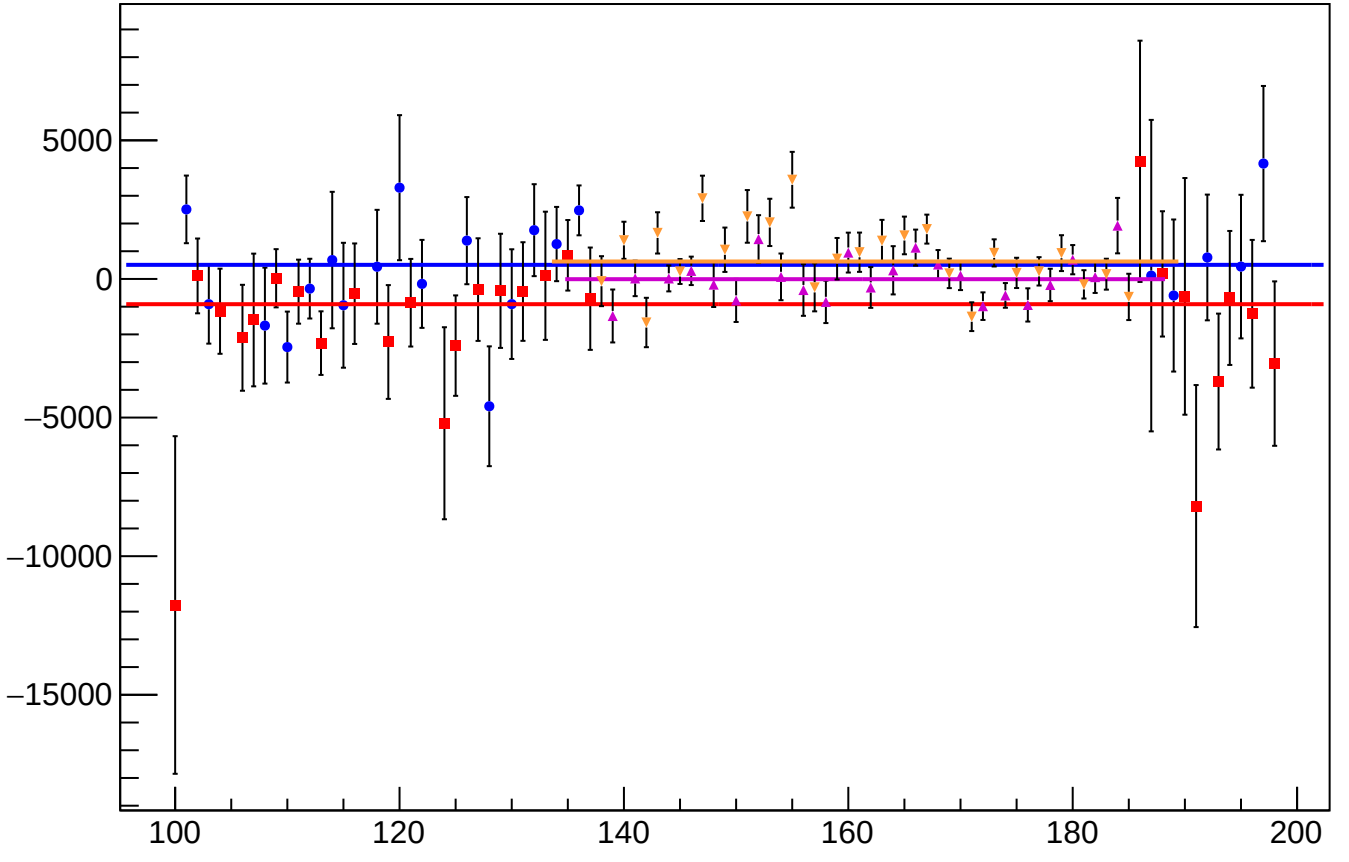
Right: 1081.086+/-0.172 χ^2/NDF: 6916202.8/47

In: 589.516+/-0.084 χ^2/NDF:8723345.9/43

Out: 600.340+/-0.083 χ^2/NDF:11098757.2/51

All: 595.051+/-0.059 χ^2/NDF: 19830501.3/95

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 508.699+/-360.929 χ^2/NDF: 26.5/20

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: -910.418+/-351.620 χ^2/NDF: 18.0/26

Left In: -8.460+/-131.289 χ^2/NDF:27.3/22

Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

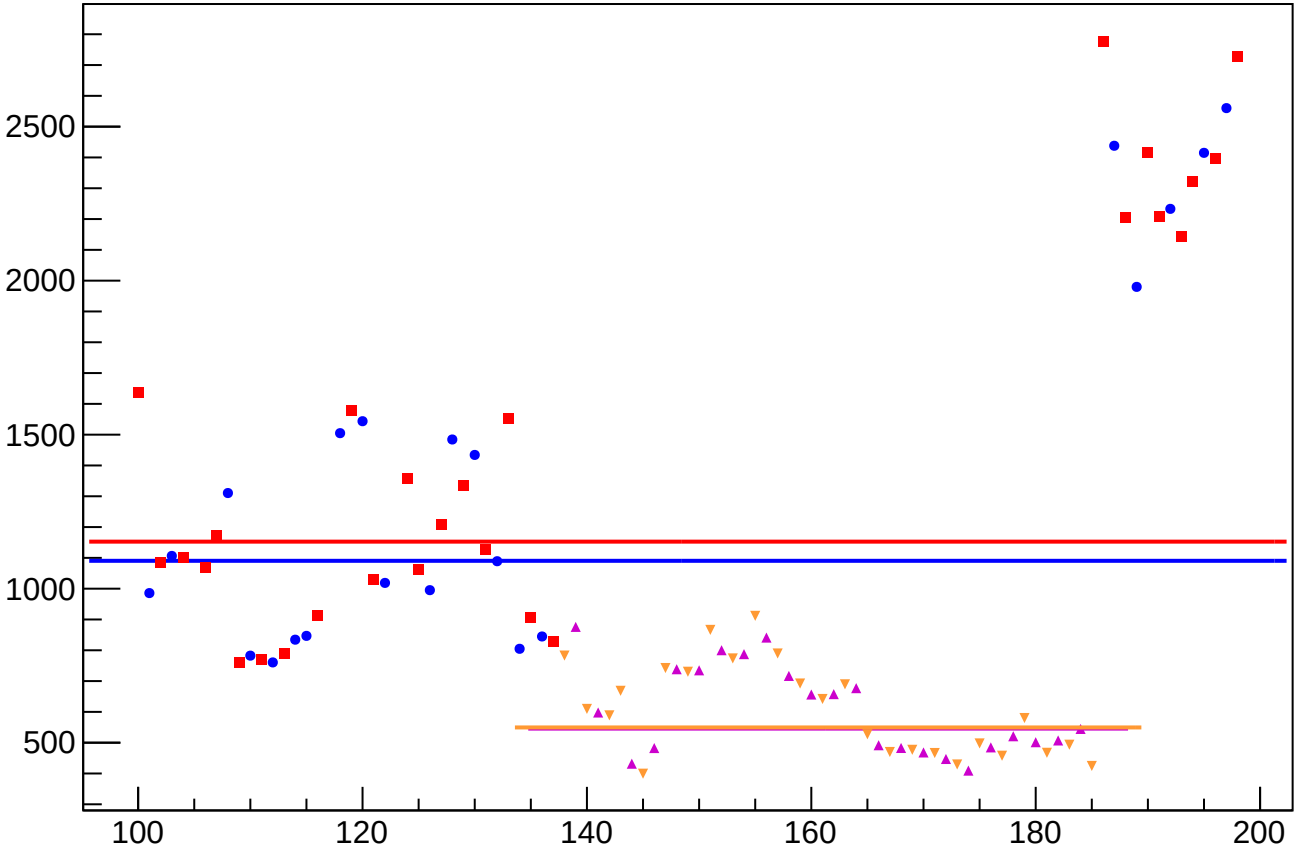
Right: -219.395+/-251.860 χ^2/NDF: 52.4/47

In: 51.972+/-123.380 χ^2/NDF:55.6/43

Out: 447.080+/-120.985 χ^2/NDF:99.8/51

All: 253.398+/-86.384 χ^2/NDF: 160.6/95

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 1090.453+/-0.255 χ^2/NDF: 2812809.4/20

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1152.721+/-0.249 χ^2/NDF: 3877563.6/26

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

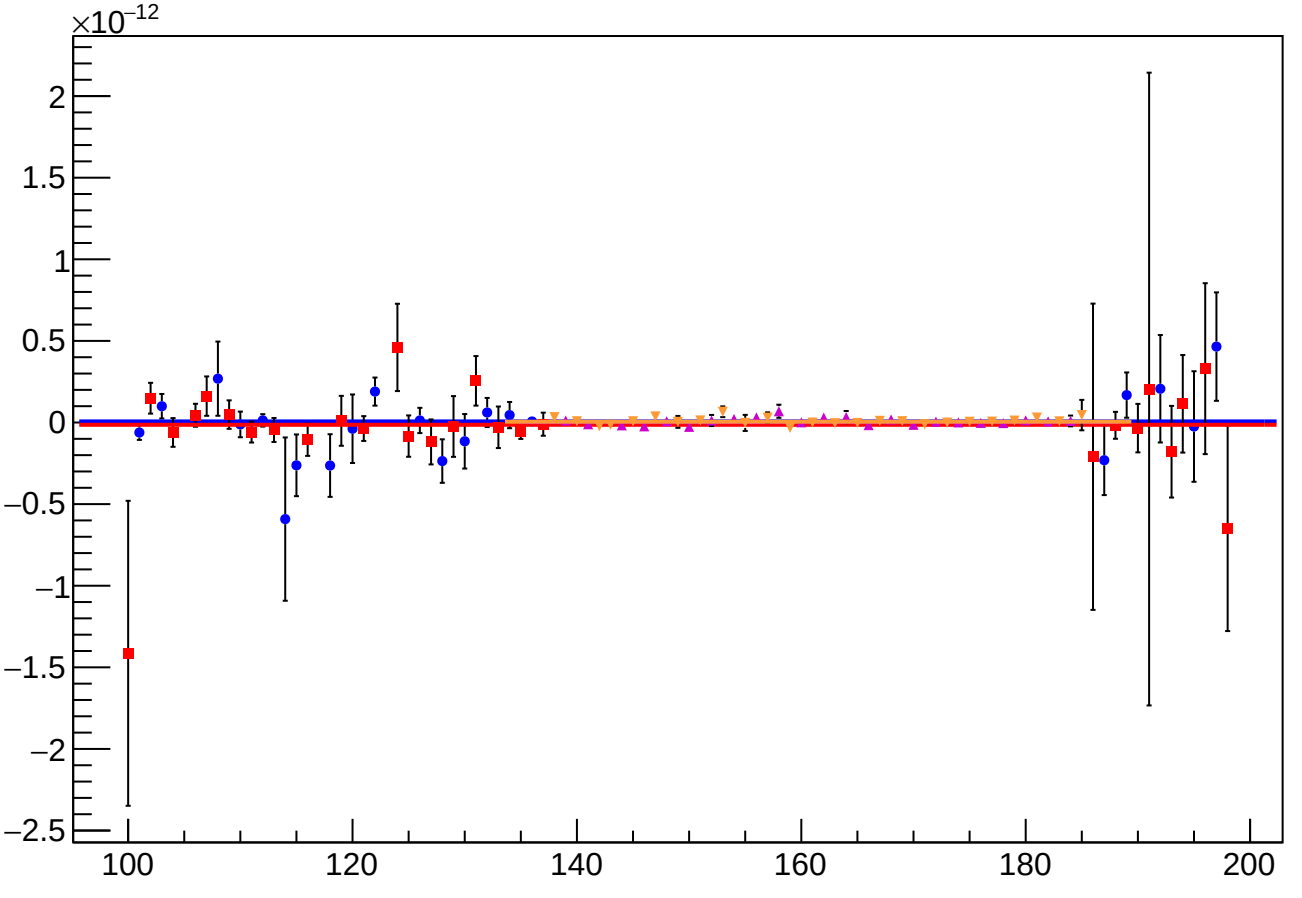
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1122.400+/-0.178 χ^2/NDF: 6720914.6/47

In: 609.364+/-0.087 χ^2/NDF:8650829.1/43

Out: 620.894+/-0.086 χ^2/NDF:11121237.7/51

All: 615.242+/-0.061 χ^2/NDF: 19780970.3/95



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.5/26

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

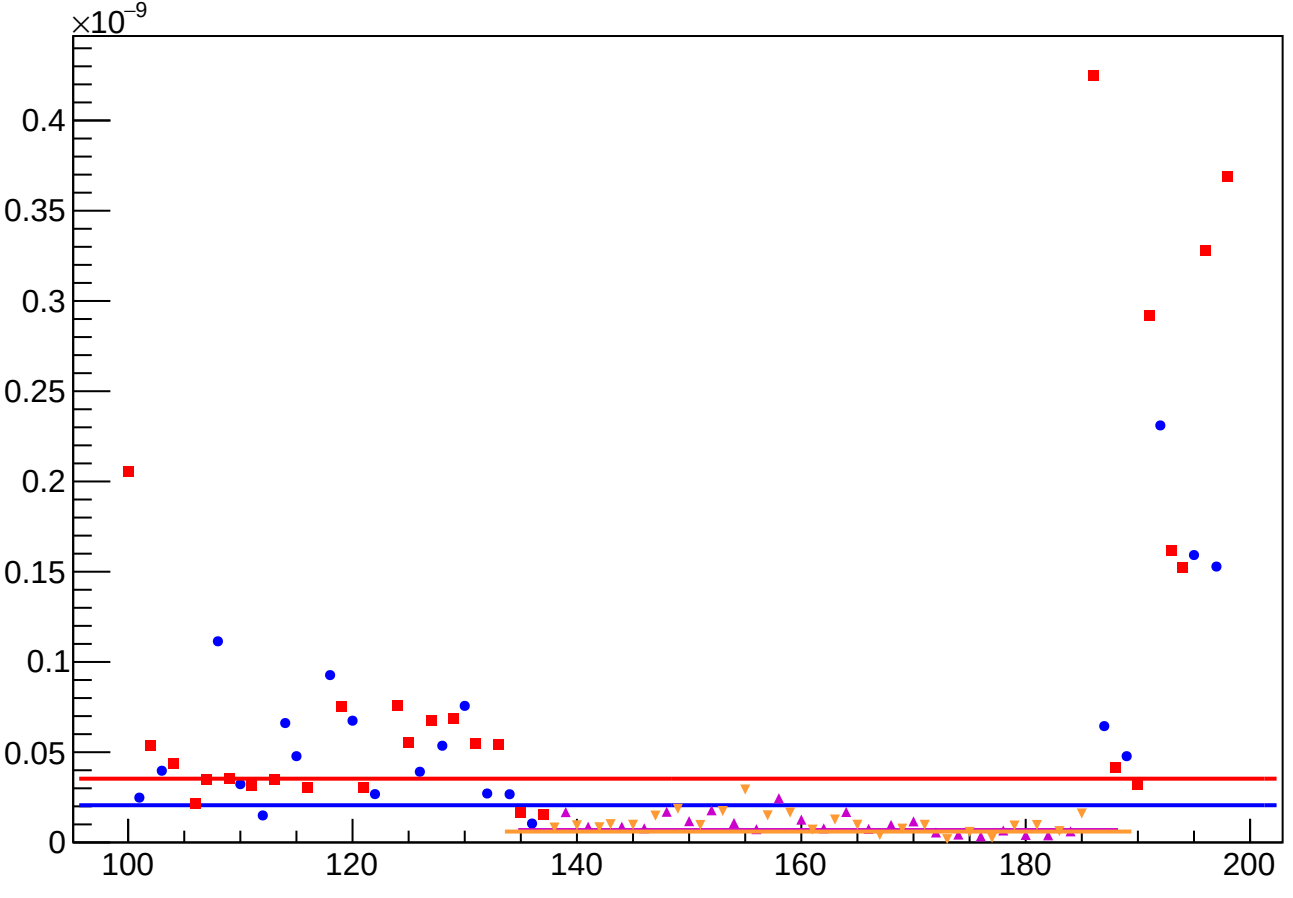
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: -0.000+/-0.000 χ^2/NDF: 45.8/47

In: 0.000+/-0.000 χ^2/NDF:44.6/43

Out: 0.000+/-0.000 χ^2/NDF:37.0/51

All: 0.000+/-0.000 χ^2/NDF: 81.8/95



Right In: 0.000+/-0.000 χ^2/NDF: 3626929.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3502443.0/26

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

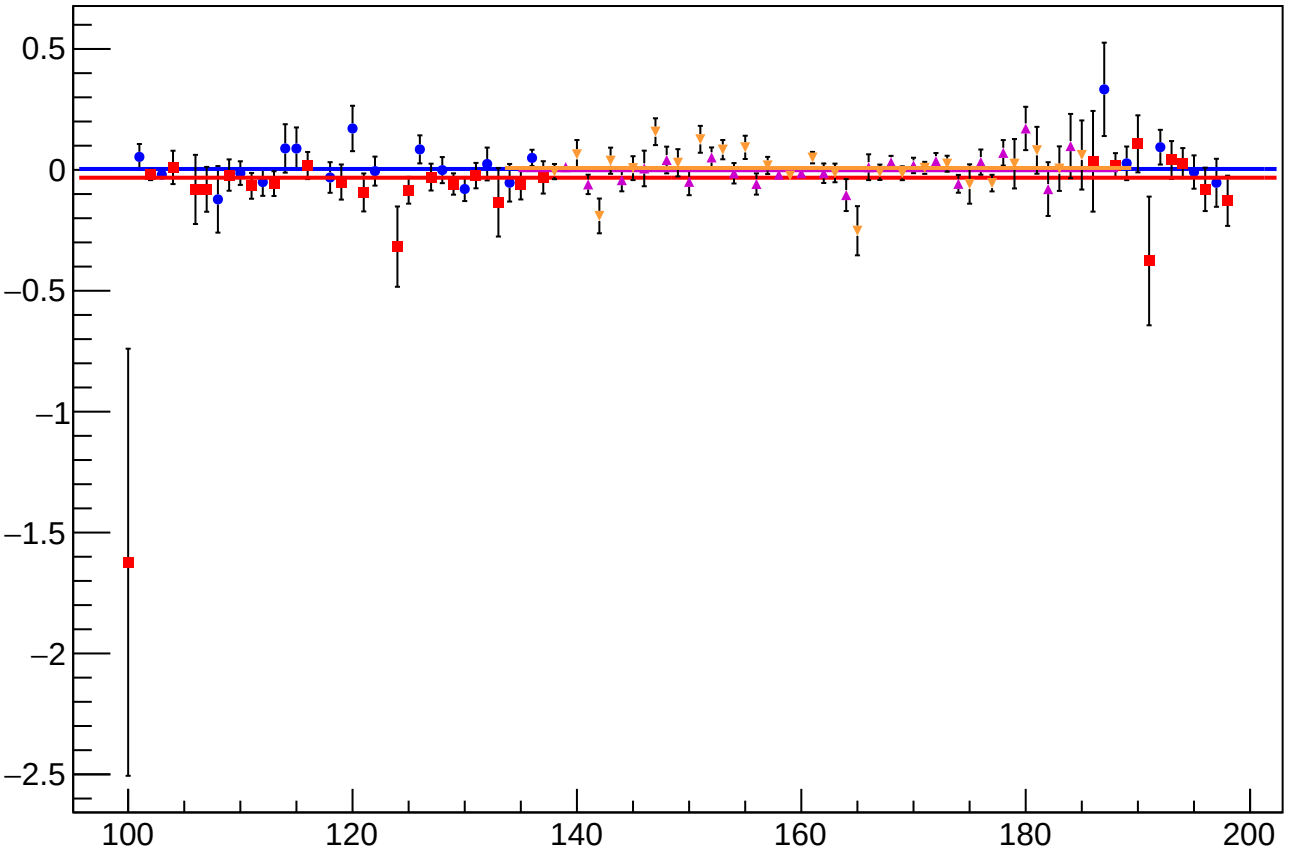
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 7854640.1/47

In: 0.000+/-0.000 χ^2/NDF:7801980.3/43

Out: 0.000+/-0.000 χ^2/NDF:11397556.6/51

All: 0.000+/-0.000 χ^2/NDF: 19273943.9/95



Right In: 0.004+/-0.011 χ^2/NDF: 21.5/20

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.012 χ^2/NDF: 18.5/26

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

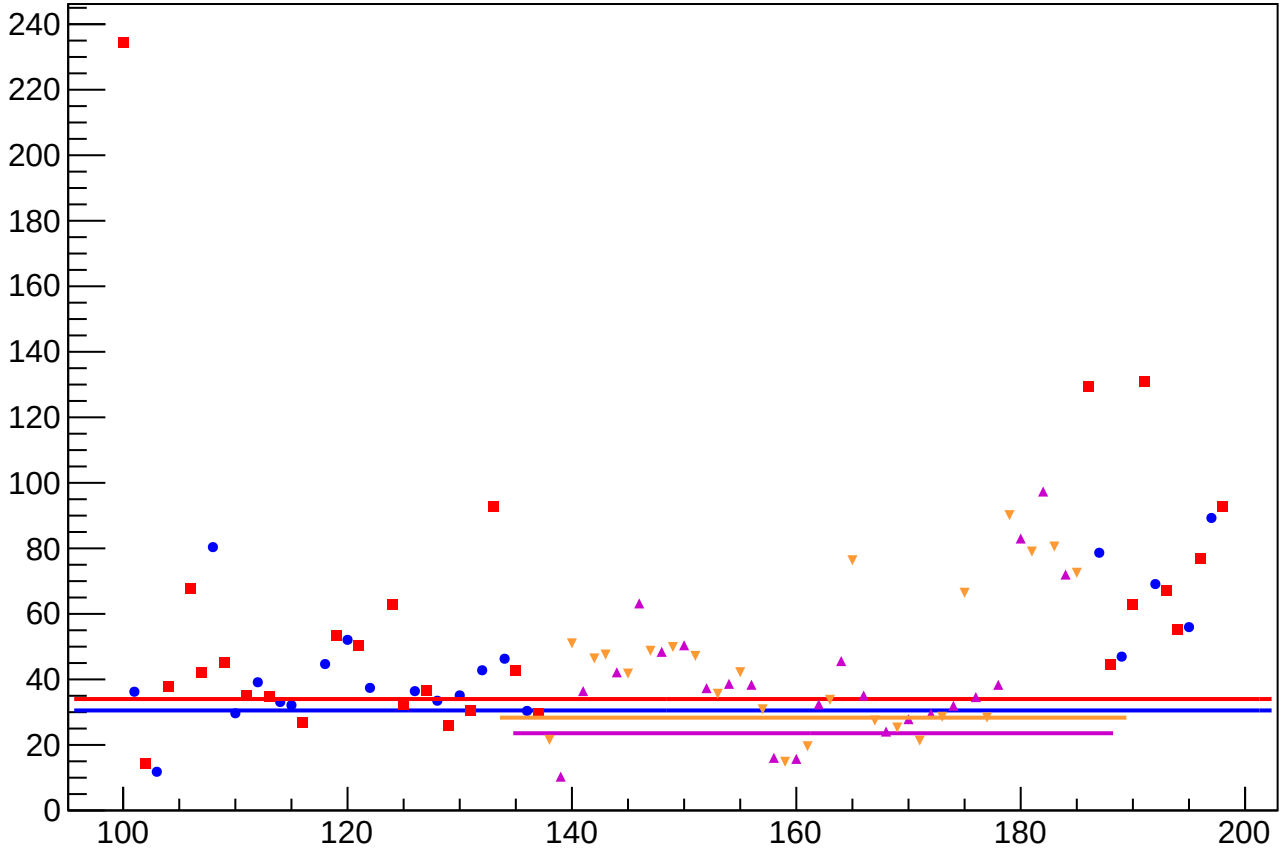
Right: -0.014+/-0.008 χ^2/NDF: 45.0/47

In: -0.000+/-0.006 χ^2/NDF:46.8/43

Out: -0.004+/-0.006 χ^2/NDF:74.5/51

All: -0.002+/-0.004 χ^2/NDF: 121.6/95

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.526+/-0.008 χ^2/NDF: 4359846.3/20

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 34.012+/-0.008 χ^2/NDF: 5353620.6/26

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

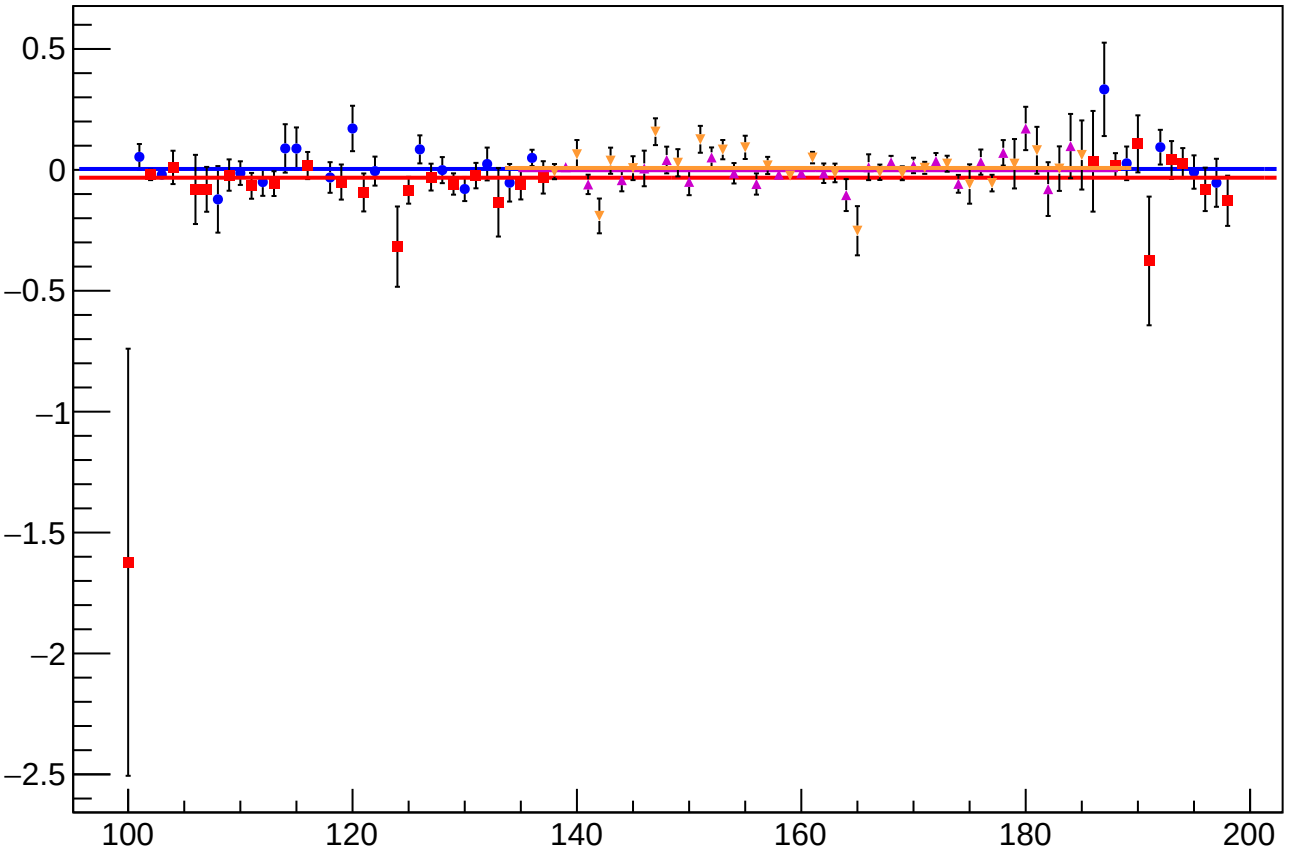
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 32.242+/-0.006 χ^2/NDF: 9804880.0/47

In: 25.391+/-0.004 χ^2/NDF:13169824.6/43

Out: 30.022+/-0.004 χ^2/NDF:12478167.6/51

All: 27.518+/-0.003 χ^2/NDF: 26223748.4/95



Right In: 0.004+/-0.011 χ^2/NDF: 21.5/20

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.012 χ^2/NDF: 18.5/26

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

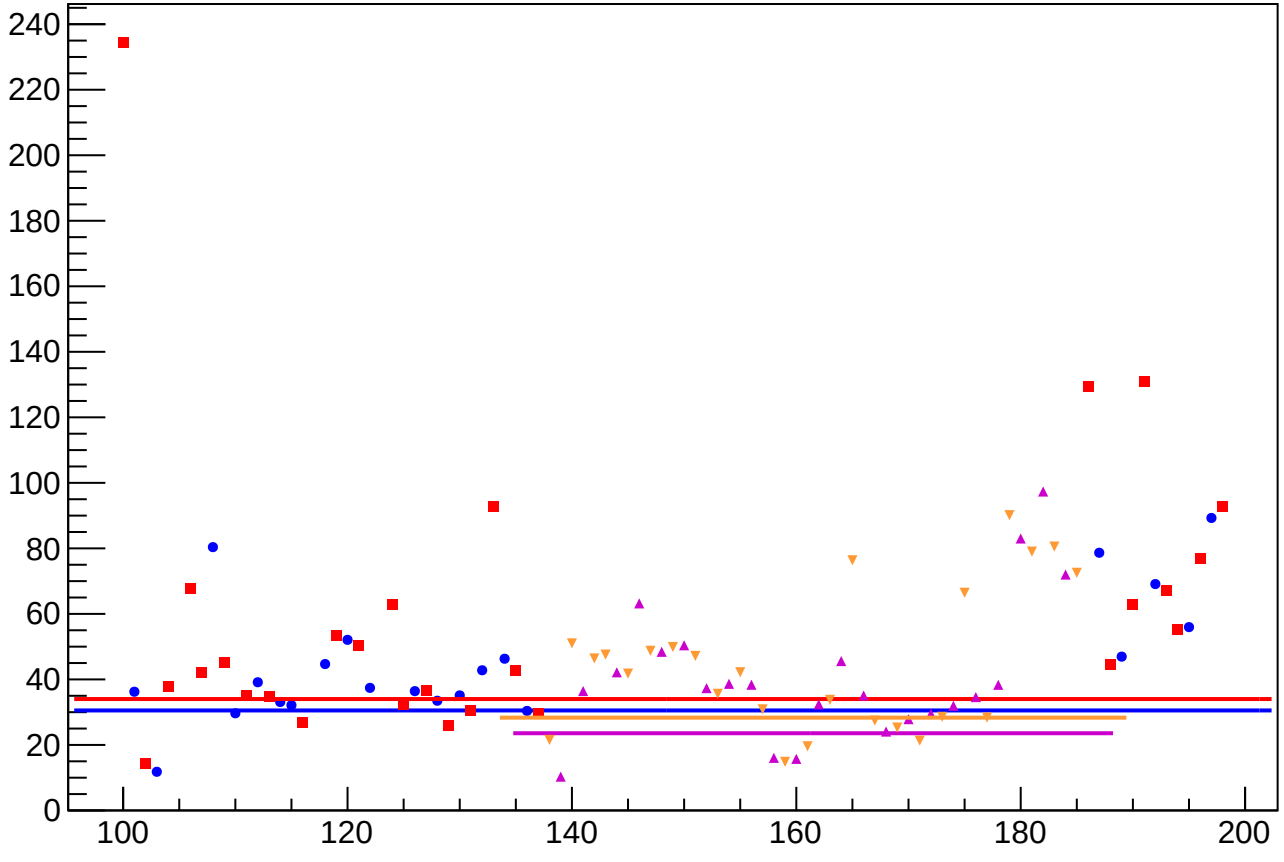
Right: -0.014+/-0.008 χ^2/NDF: 45.0/47

In: -0.000+/-0.006 χ^2/NDF:46.8/43

Out: -0.004+/-0.006 χ^2/NDF:74.5/51

All: -0.002+/-0.004 χ^2/NDF: 121.6/95

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.526+/-0.008 χ^2/NDF: 4359846.3/20

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 34.012+/-0.008 χ^2/NDF: 5353620.6/26

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

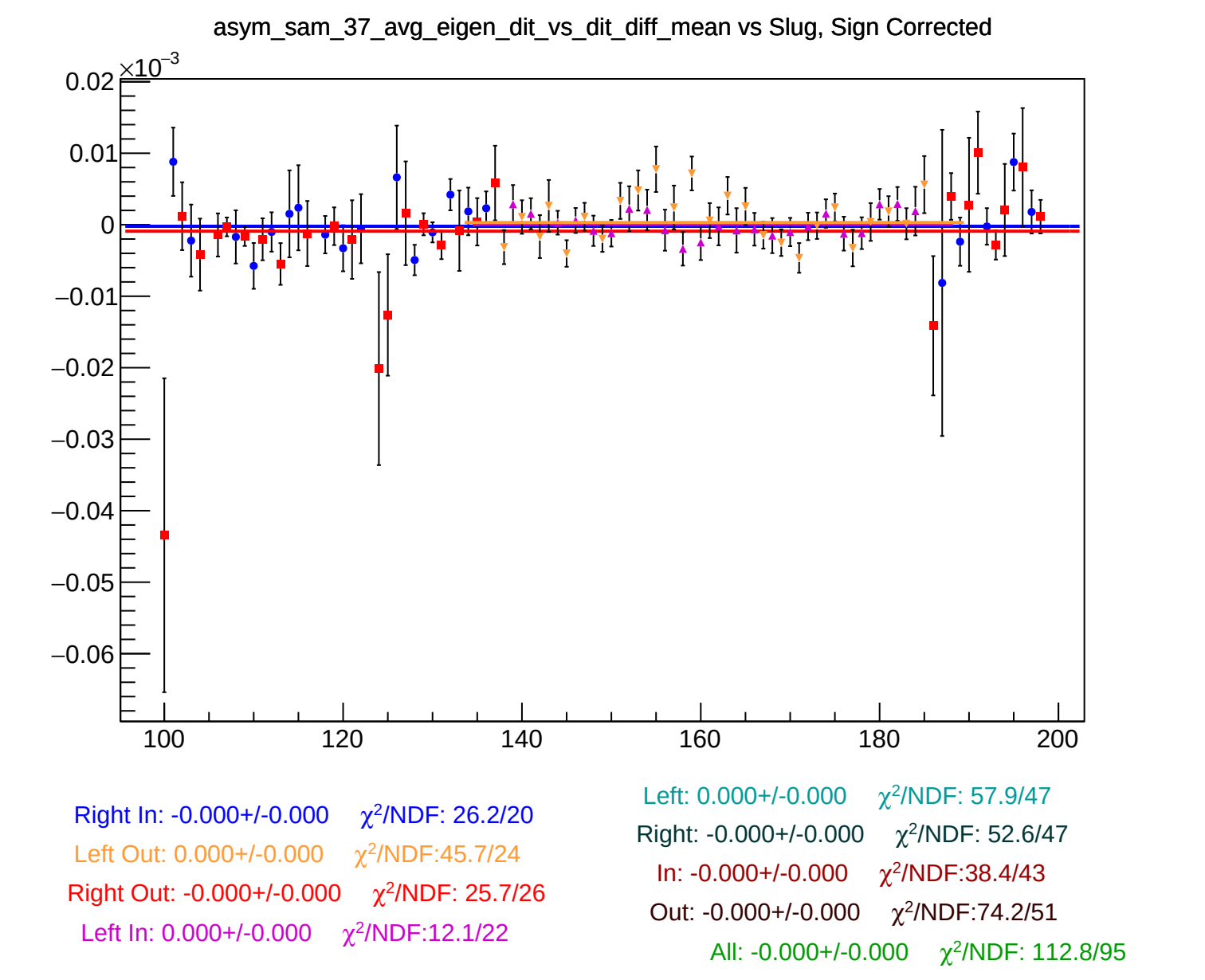
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

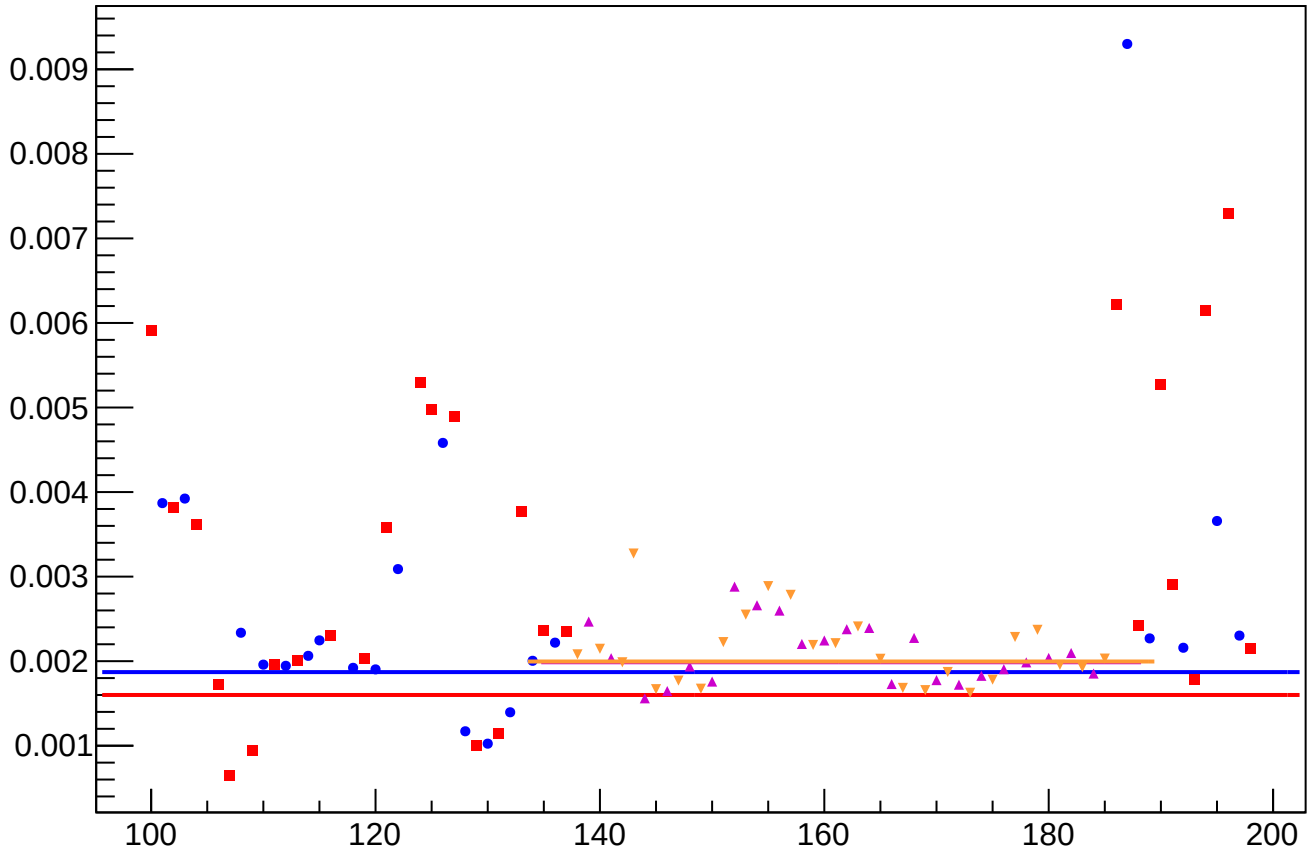
Right: 32.242+/-0.006 χ^2/NDF: 9804880.0/47

In: 25.391+/-0.004 χ^2/NDF:13169824.6/43

Out: 30.022+/-0.004 χ^2/NDF:12478167.6/51

All: 27.518+/-0.003 χ^2/NDF: 26223748.4/95


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: 26.2/20
Left Out: 0.000+/-0.000 χ²/NDF:45.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.7/26
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: 52.6/47
In: -0.000+/-0.000 χ²/NDF:38.4/43
Out: -0.000+/-0.000 χ²/NDF:74.2/51
All: -0.000+/-0.000 χ²/NDF: 112.8/95



Right In: 0.002+/-0.000 χ^2/NDF: 2950509.7/20

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7603220.6/26

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

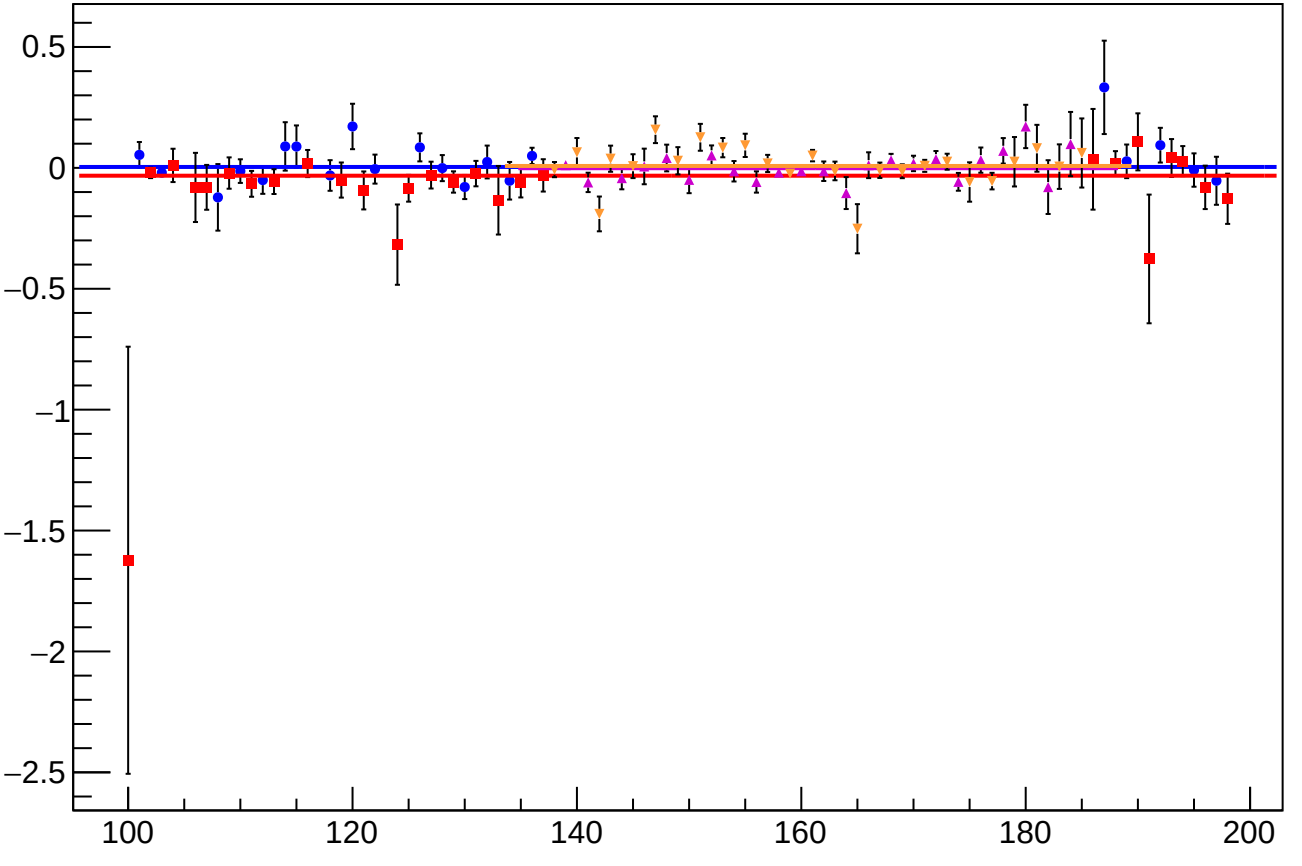
Right: 0.002+/-0.000 χ^2/NDF: 10754760.0/47

In: 0.002+/-0.000 χ^2/NDF:3916370.8/43

Out: 0.002+/-0.000 χ^2/NDF:9380199.9/51

All: 0.002+/-0.000 χ^2/NDF: 13392396.7/95

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.011 χ^2/NDF: 21.5/20

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.012 χ^2/NDF: 18.5/26

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

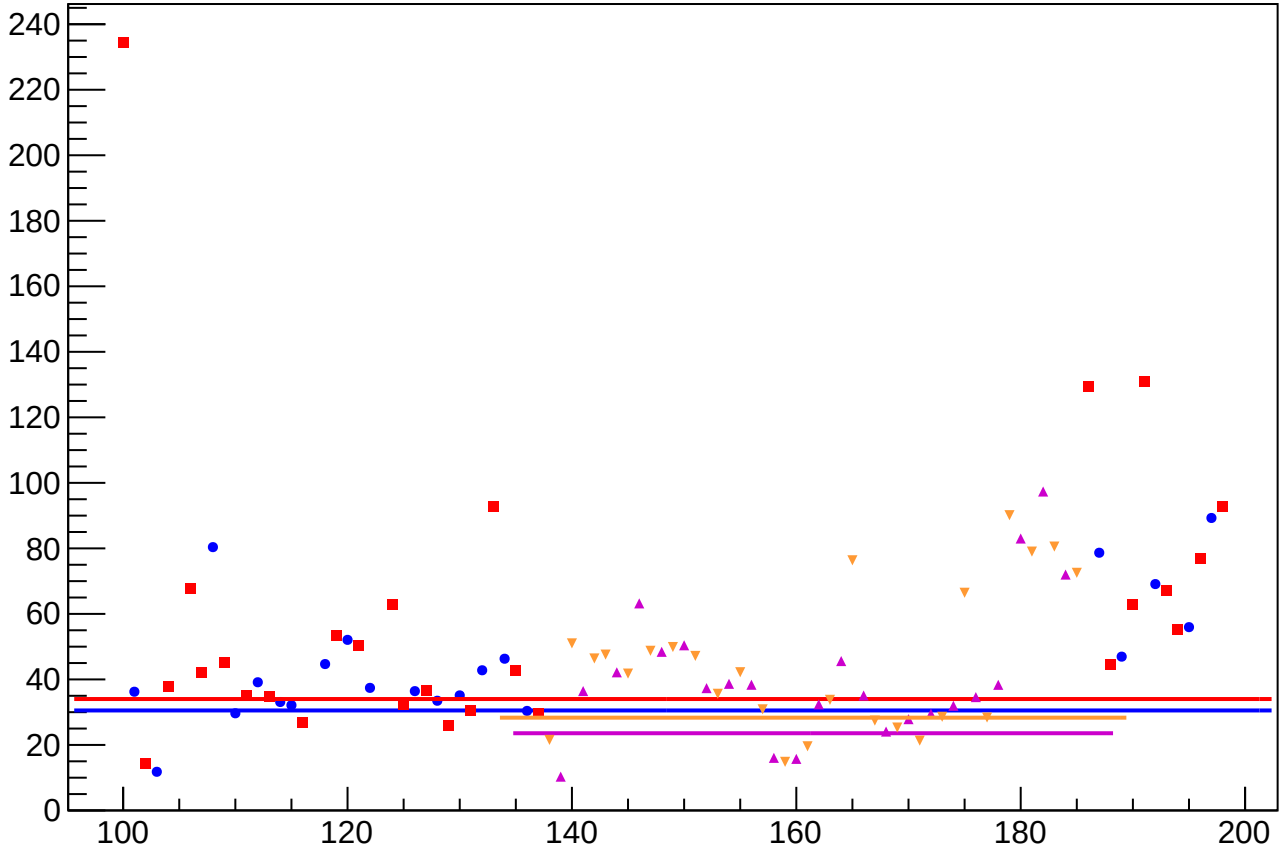
Right: -0.014+/-0.008 χ^2/NDF: 45.0/47

In: -0.000+/-0.006 χ^2/NDF:46.8/43

Out: -0.004+/-0.006 χ^2/NDF:74.5/51

All: -0.002+/-0.004 χ^2/NDF: 121.6/95

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.526+/-0.008 χ^2/NDF: 4360128.7/20

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 34.015+/-0.008 χ^2/NDF: 5352625.4/26

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

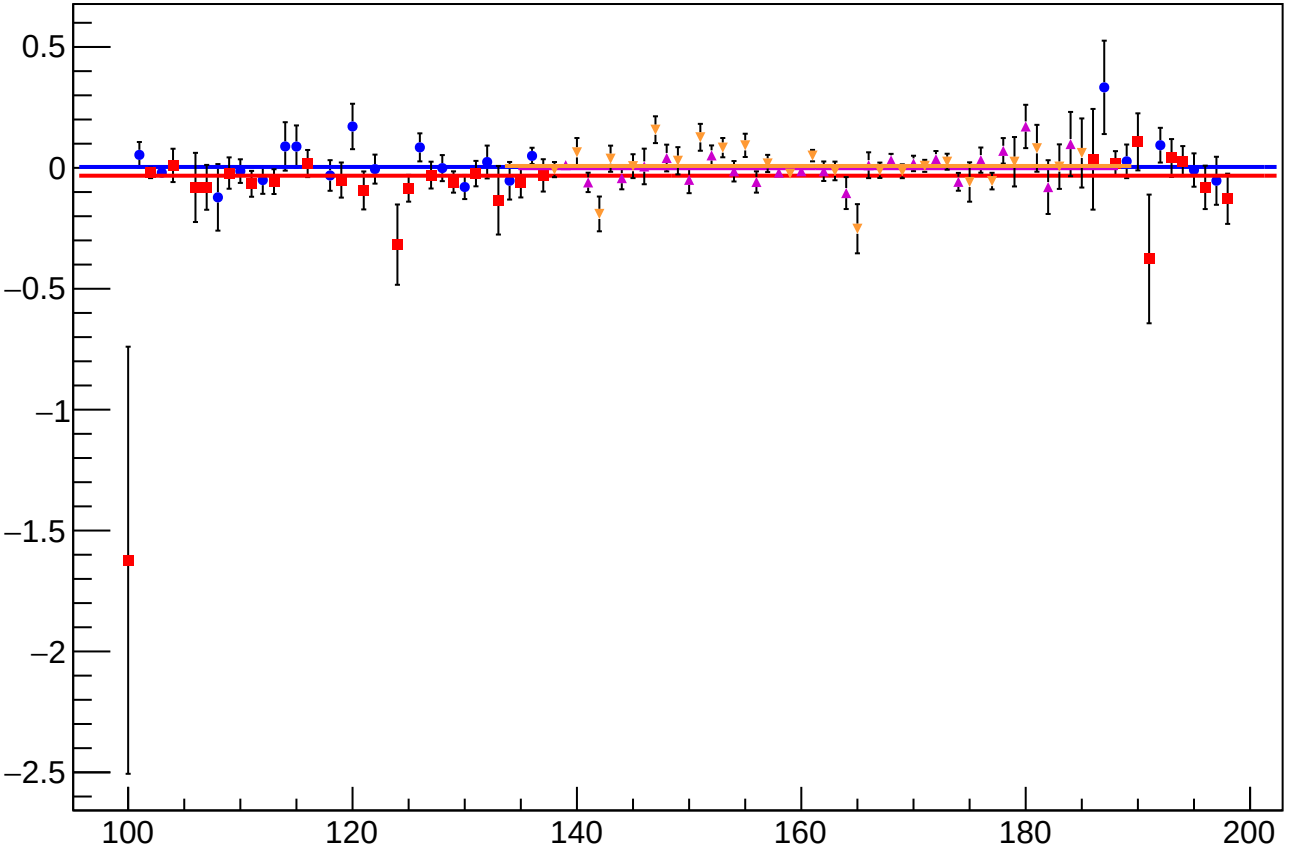
Right: 32.243+/-0.006 χ^2/NDF: 9804352.9/47

In: 25.390+/-0.004 χ^2/NDF:13171229.9/43

Out: 30.022+/-0.004 χ^2/NDF:12477983.9/51

All: 27.517+/-0.003 χ^2/NDF: 26225360.2/95

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.011 χ^2/NDF: 21.5/20

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.012 χ^2/NDF: 18.5/26

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

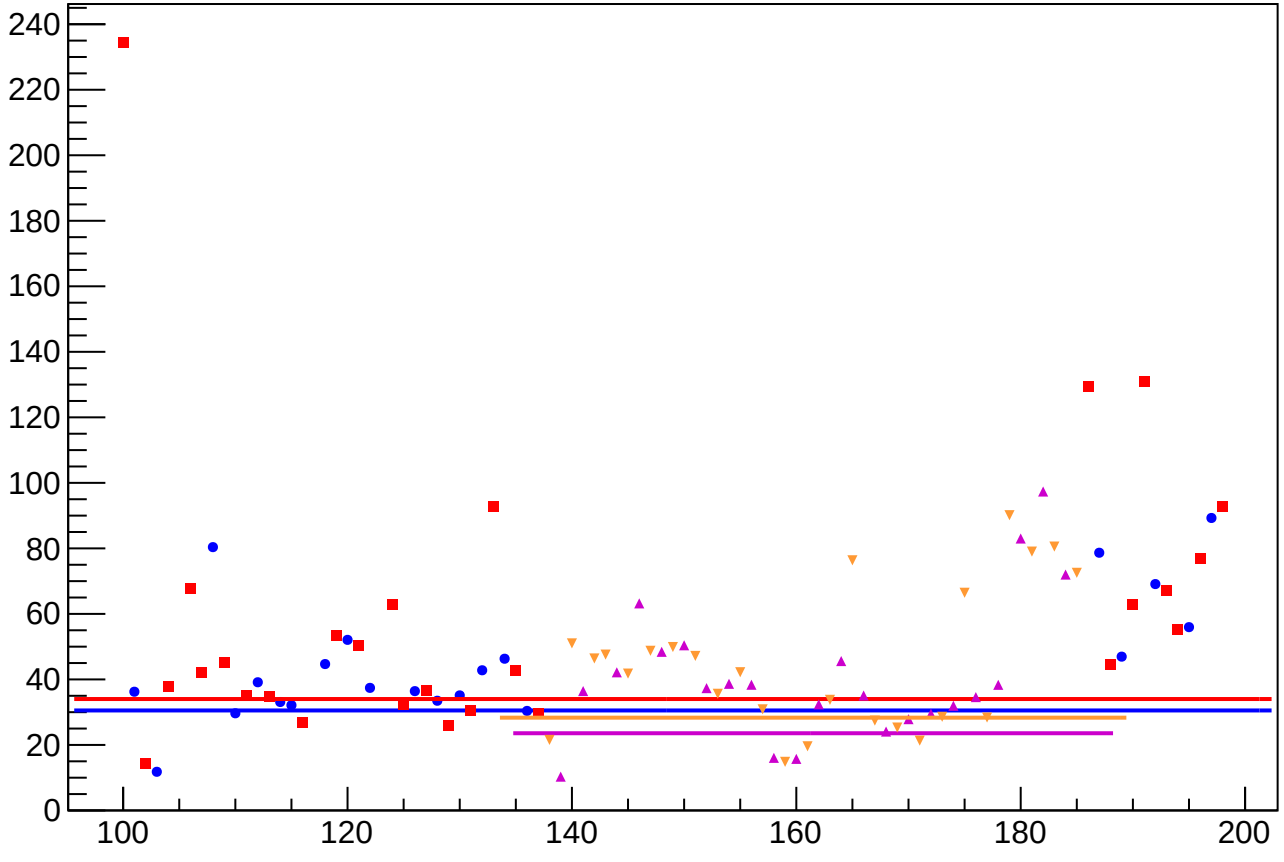
Right: -0.014+/-0.008 χ^2/NDF: 45.0/47

In: -0.000+/-0.006 χ^2/NDF:46.8/43

Out: -0.004+/-0.006 χ^2/NDF:74.5/51

All: -0.002+/-0.004 χ^2/NDF: 121.6/95

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.526+/-0.008 χ^2/NDF: 4360128.7/20

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 34.015+/-0.008 χ^2/NDF: 5352625.4/26

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

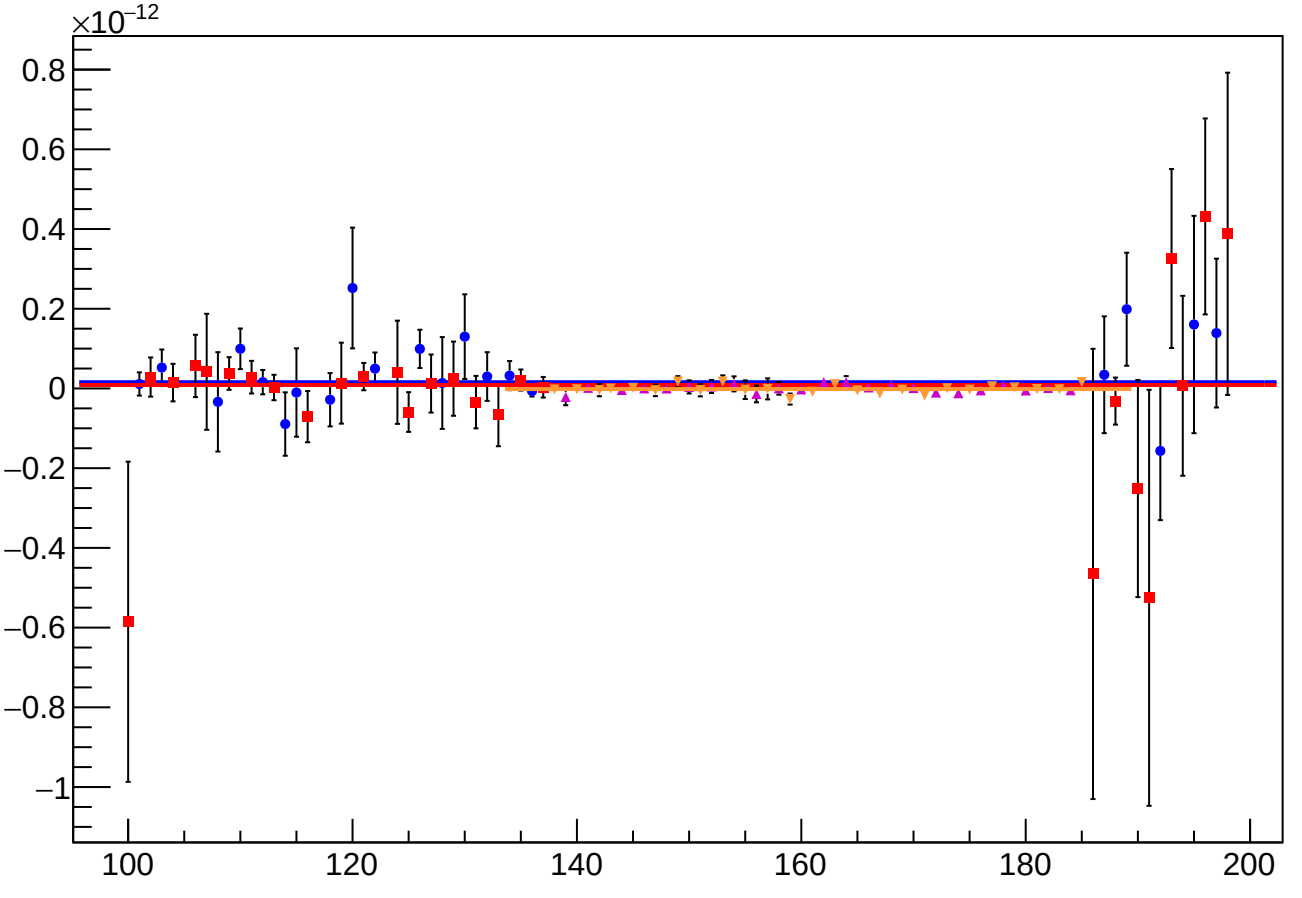
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 32.243+/-0.006 χ^2/NDF: 9804352.9/47

In: 25.390+/-0.004 χ^2/NDF:13171229.9/43

Out: 30.022+/-0.004 χ^2/NDF:12477983.9/51

All: 27.517+/-0.003 χ^2/NDF: 26225360.2/95



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/20

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/26

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

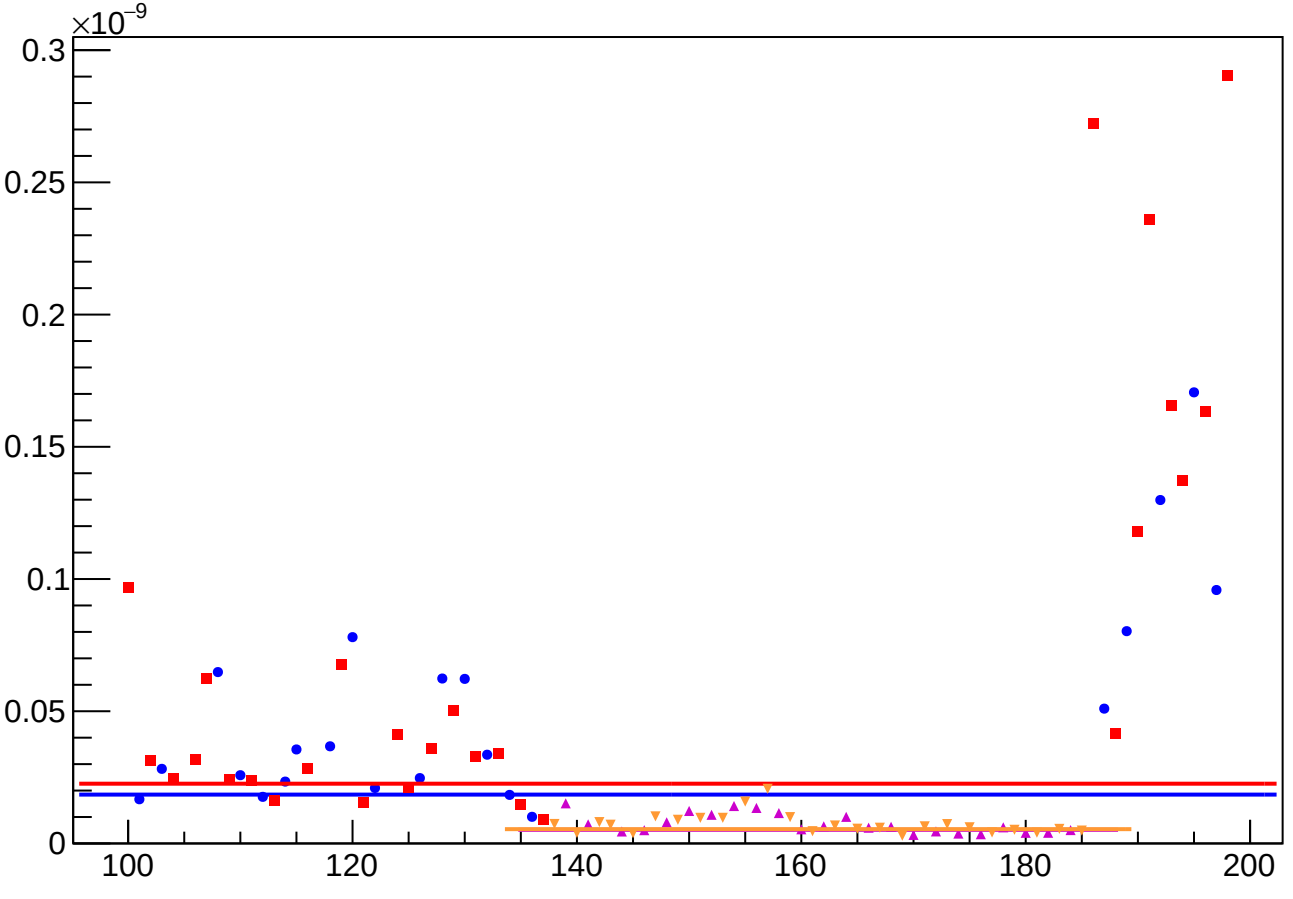
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 37.6/47

In: -0.000+/-0.000 χ^2/NDF:38.4/43

Out: -0.000+/-0.000 χ^2/NDF:36.4/51

All: -0.000+/-0.000 χ^2/NDF: 74.9/95



Right In: 0.000+/-0.000 χ^2/NDF: 4736246.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6039676.2/26

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

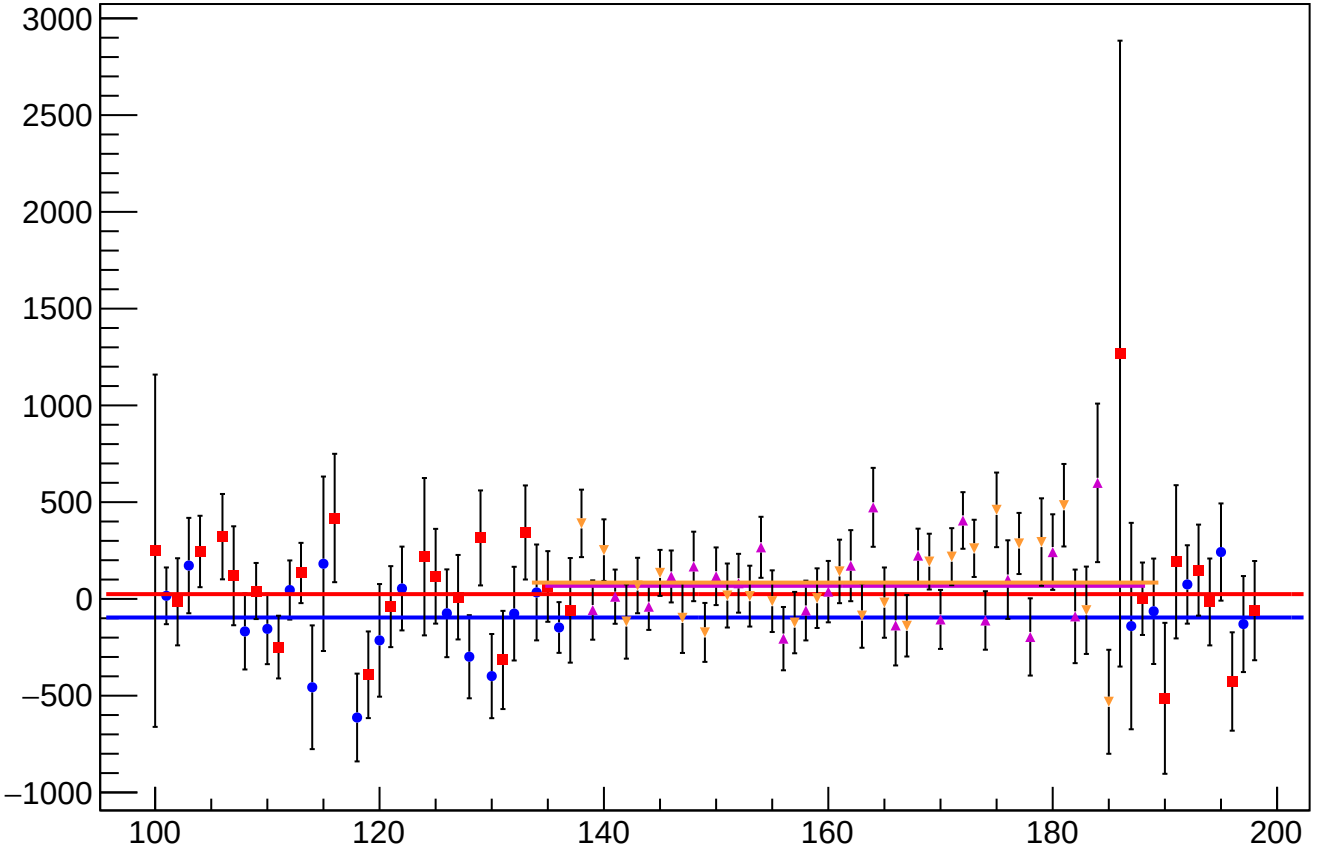
Right: 0.000+/-0.000 χ^2/NDF: 10945692.3/47

In: 0.000+/-0.000 χ^2/NDF:12022206.7/43

Out: 0.000+/-0.000 χ^2/NDF:14224373.7/51

All: 0.000+/-0.000 χ^2/NDF: 26270421.3/95

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -96.003+/-46.810 χ^2/NDF: 16.2/20

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: 24.735+/-44.196 χ^2/NDF: 23.5/26

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

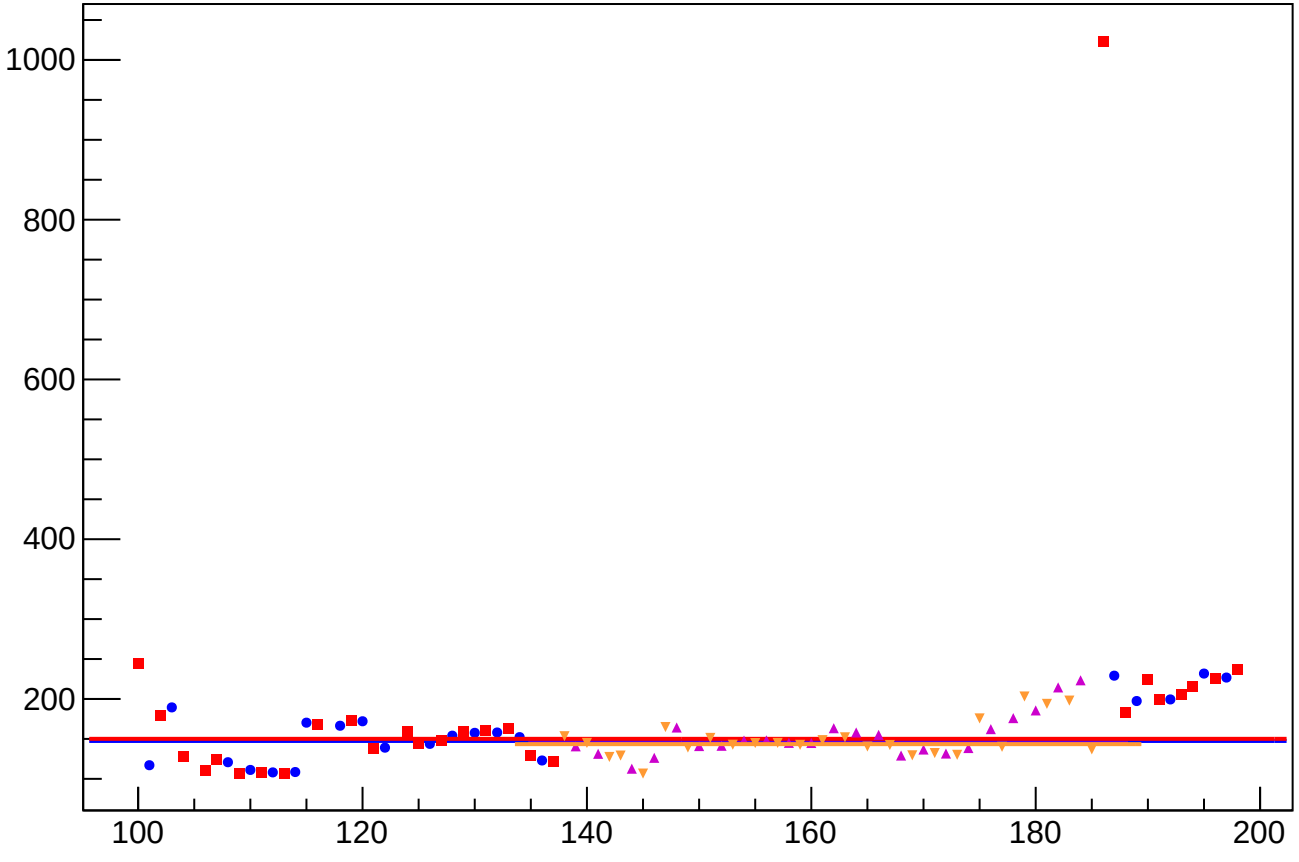
Right: -32.169+/-32.136 χ^2/NDF: 43.2/47

In: 10.830+/-27.582 χ^2/NDF:50.7/43

Out: 62.965+/-26.461 χ^2/NDF:58.5/51

All: 37.978+/-19.094 χ^2/NDF: 111.0/95

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 147.447+/-0.033 χ^2/NDF: 1215959.9/20

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 150.090+/-0.031 χ^2/NDF: 2161154.4/26

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

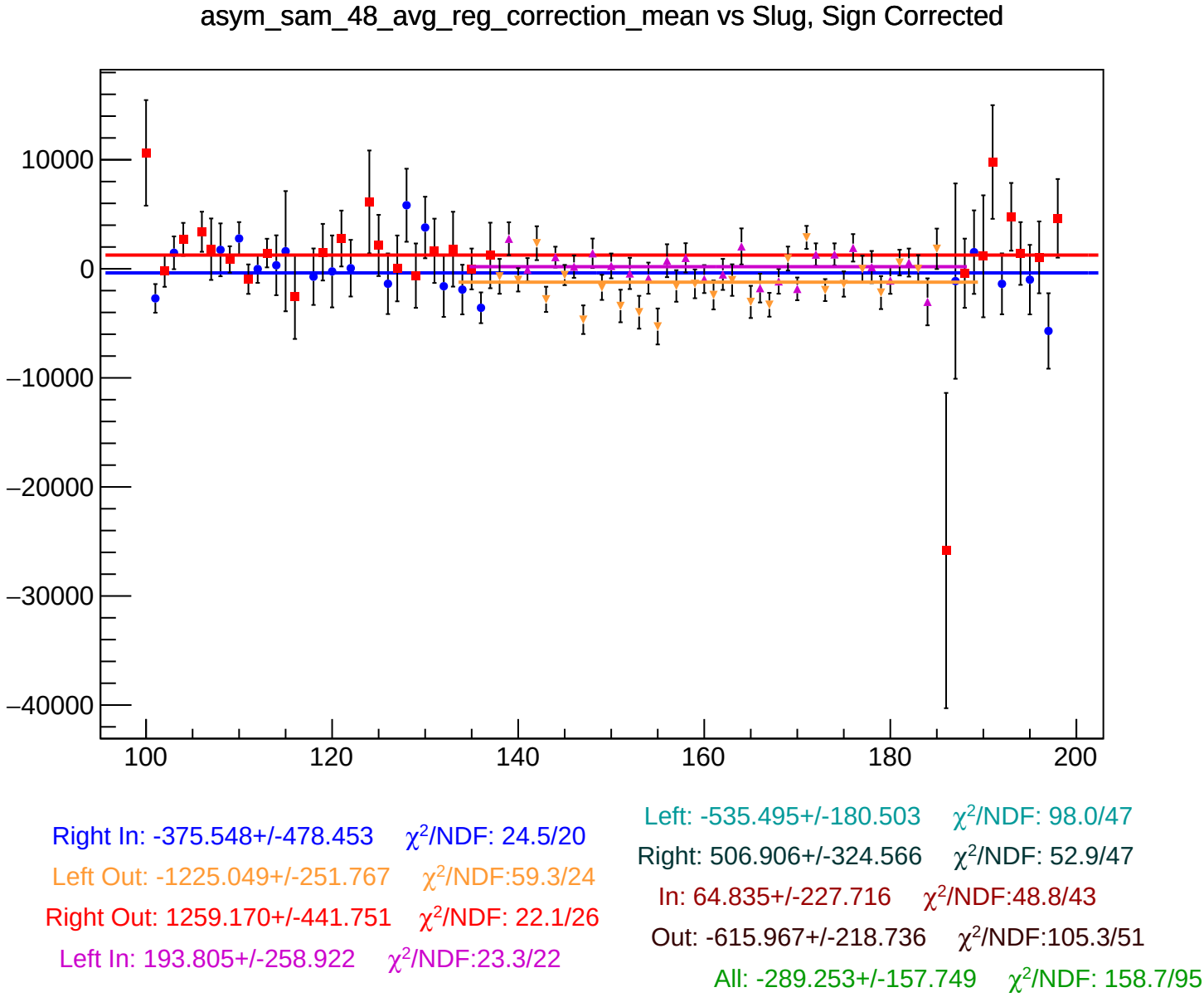
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

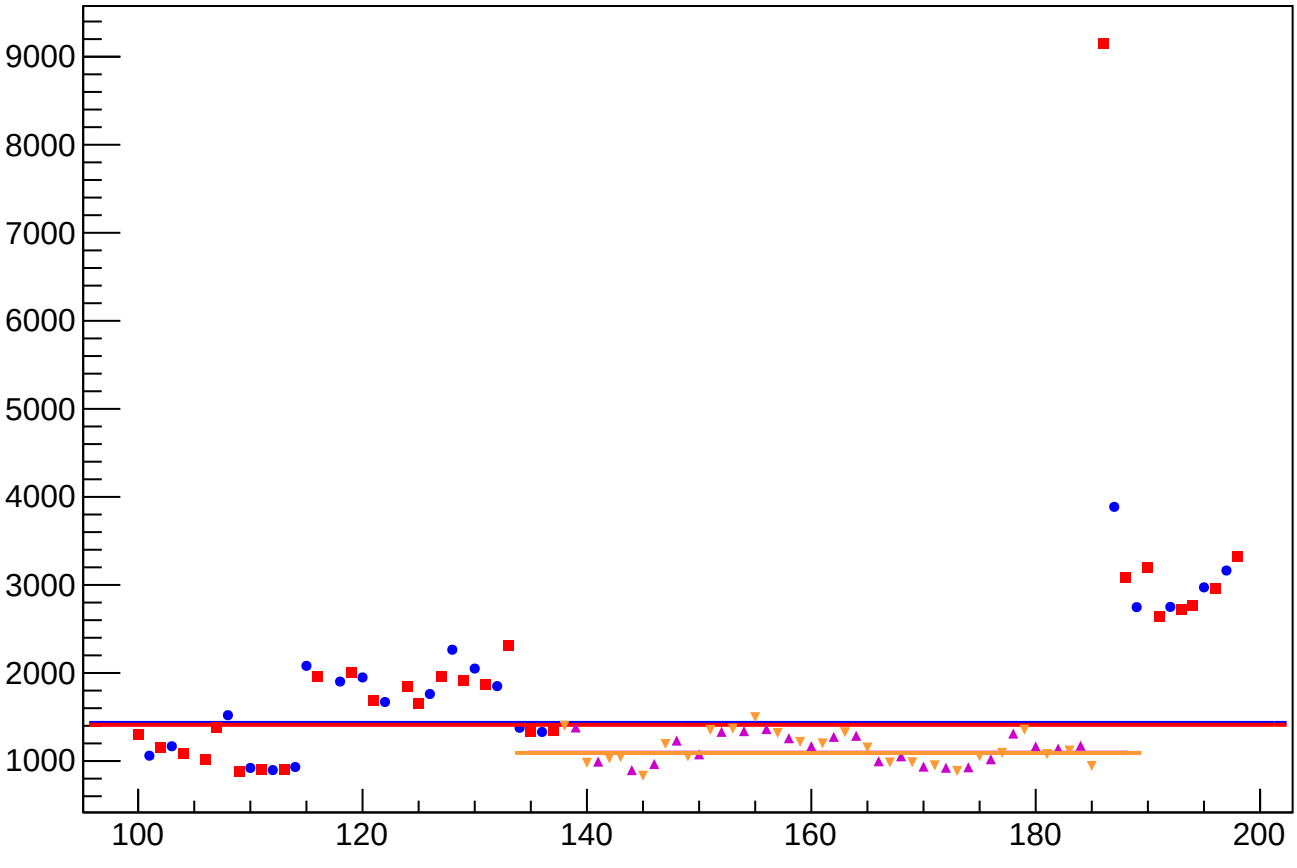
Right: 148.844+/-0.023 χ^2/NDF: 3380484.7/47

In: 145.308+/-0.020 χ^2/NDF:1925069.5/43

Out: 145.826+/-0.019 χ^2/NDF:2937209.6/51

All: 145.578+/-0.014 χ^2/NDF: 4862646.1/95


asym_sam_48_avg_reg_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -375.548+/-478.453 χ²/NDF: 24.5/20
Left Out: -1225.049+/-251.767 χ²/NDF:59.3/24
Right Out: 1259.170+/-441.751 χ²/NDF: 22.1/26
Left In: 193.805+/-258.922 χ²/NDF:23.3/22
Left: -535.495+/-180.503 χ²/NDF: 98.0/47
Right: 506.906+/-324.566 χ²/NDF: 52.9/47
In: 64.835+/-227.716 χ²/NDF:48.8/43
Out: -615.967+/-218.736 χ²/NDF:105.3/51
All: -289.253+/-157.749 χ²/NDF: 158.7/95



Right In: 1432.867+/-0.338 χ^2/NDF: 3141687.0/20

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1411.353+/-0.312 χ^2/NDF: 4979224.9/26

Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

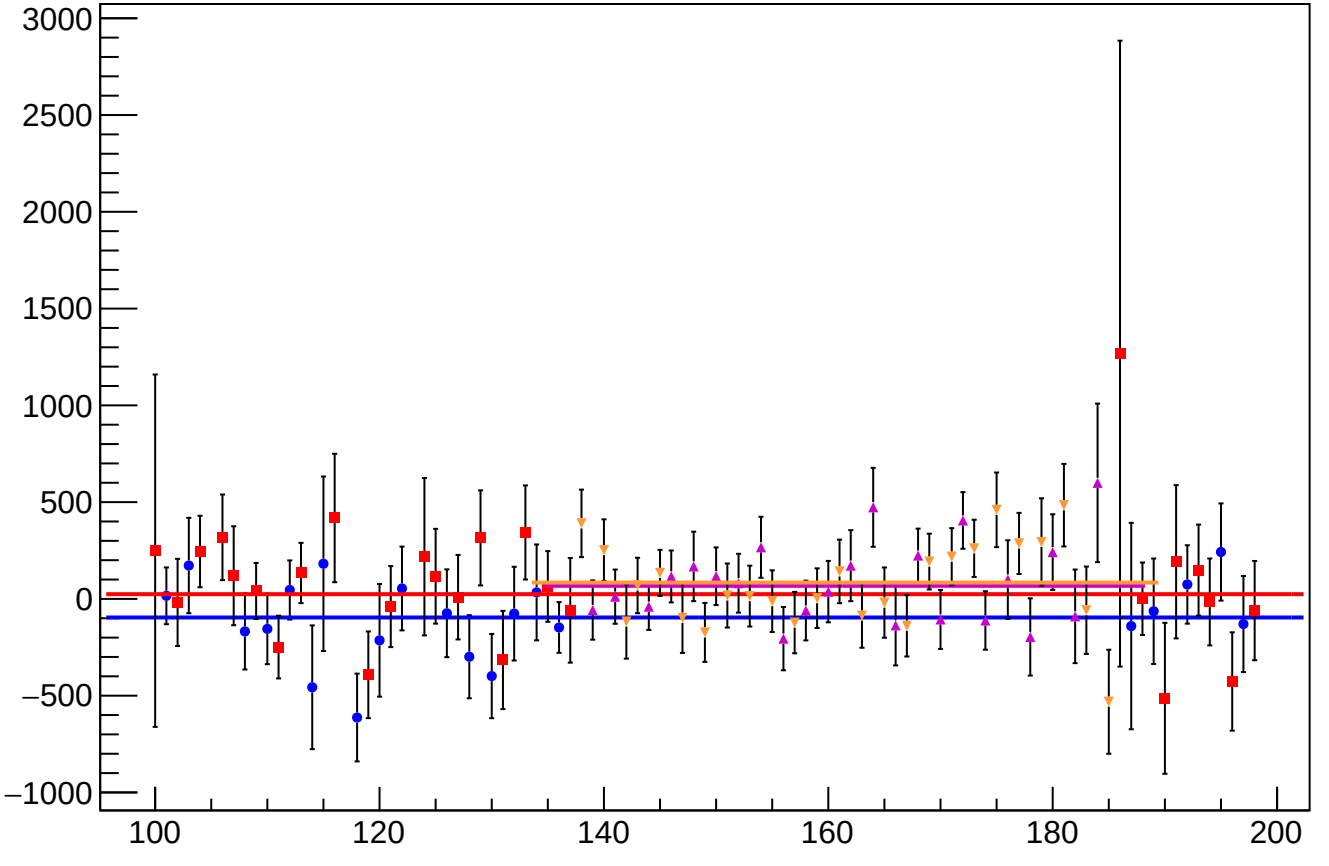
Right: 1421.253+/-0.230 χ^2/NDF: 8123094.8/47

In: 1171.130+/-0.161 χ^2/NDF:4648467.3/43

Out: 1170.284+/-0.155 χ^2/NDF:6660737.0/51

All: 1170.690+/-0.112 χ^2/NDF: 11309218.7/9

cor_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -96.010+/-46.810 χ^2/NDF: 16.2/20

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 24.387+/-44.203 χ^2/NDF: 23.4/26

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

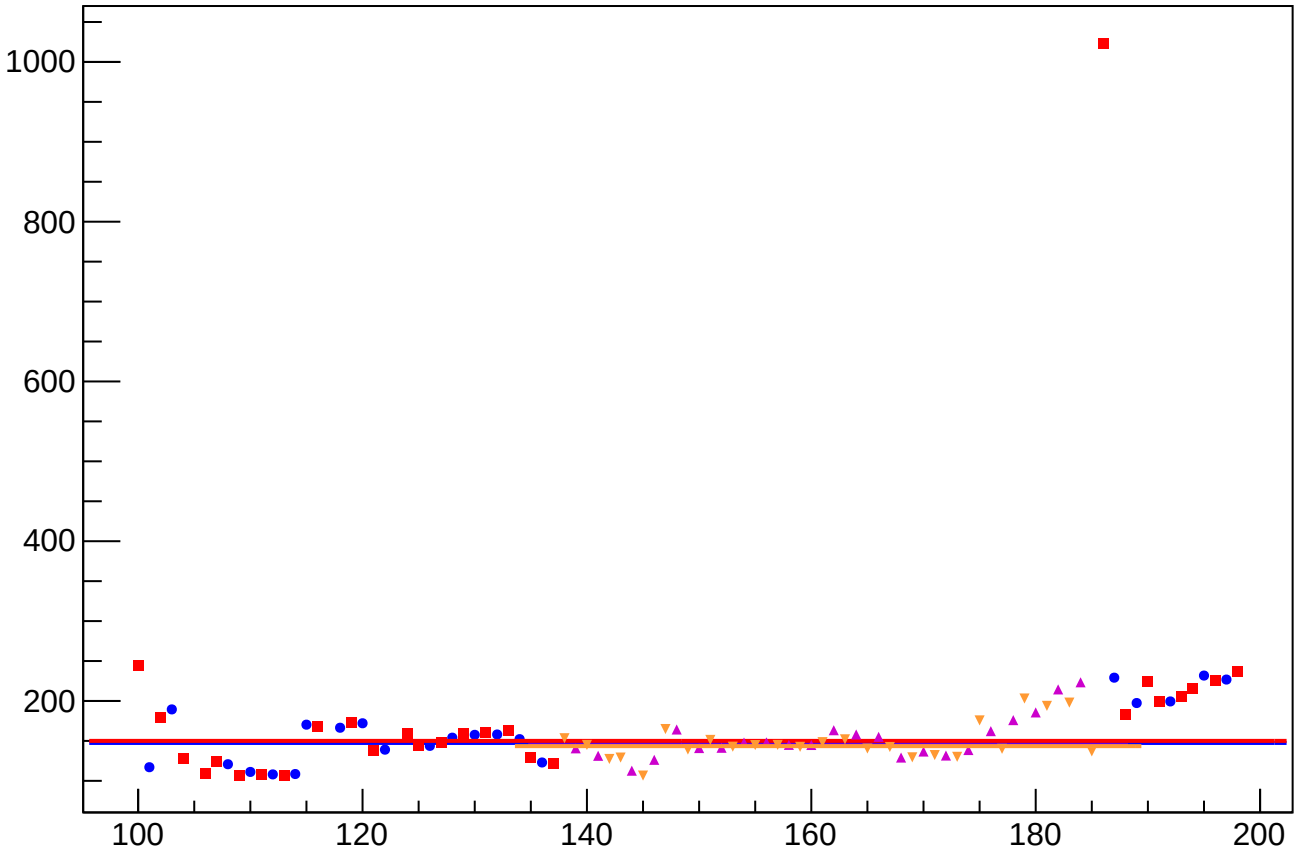
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -32.365+/-32.138 χ^2/NDF: 43.1/47

In: 10.828+/-27.582 χ^2/NDF:50.7/43

Out: 62.853+/-26.462 χ^2/NDF:58.4/51

All: 37.918+/-19.095 χ^2/NDF: 111.0/95



Right In: 147.447+/-0.033 χ^2/NDF: 1215962.5/20

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 150.038+/-0.031 χ^2/NDF: 2166187.1/26

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

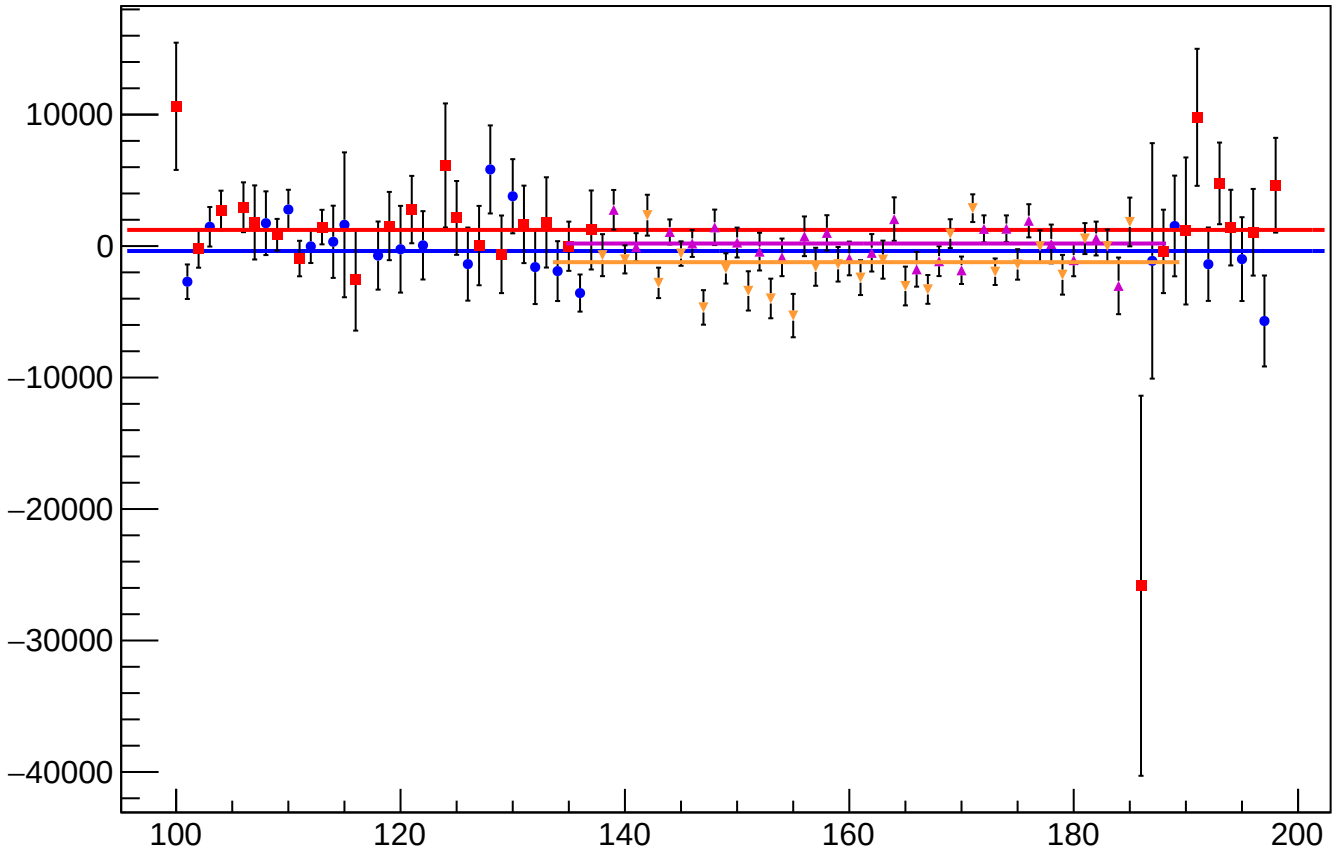
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 148.816+/-0.023 χ^2/NDF: 3385388.6/47

In: 145.308+/-0.020 χ^2/NDF:1925072.2/43

Out: 145.807+/-0.019 χ^2/NDF:2941786.1/51

All: 145.568+/-0.014 χ^2/NDF: 4867198.9/95



Right In: -375.614+/-478.457 χ^2/NDF: 24.5/20

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1228.253+/-442.526 χ^2/NDF: 21.6/26

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

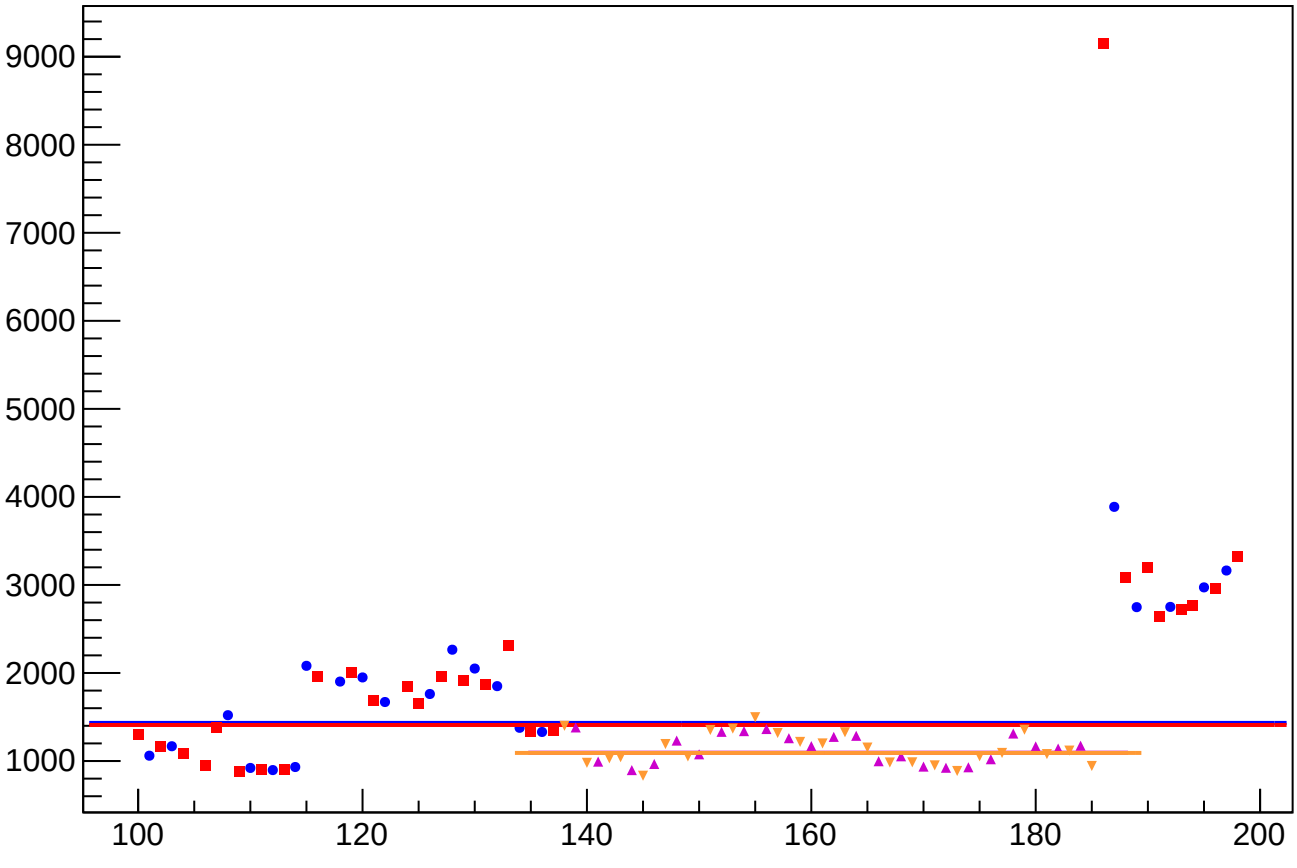
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 488.797+/-324.874 χ^2/NDF: 52.1/47

In: 64.824+/-227.716 χ^2/NDF:48.8/43

Out: -625.123+/-218.830 χ^2/NDF:104.0/51

All: -293.874+/-157.784 χ^2/NDF: 157.7/95



Right In: 1432.882+/-0.338 χ^2/NDF: 3141626.9/20

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1409.408+/-0.313 χ^2/NDF: 5002779.6/26

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

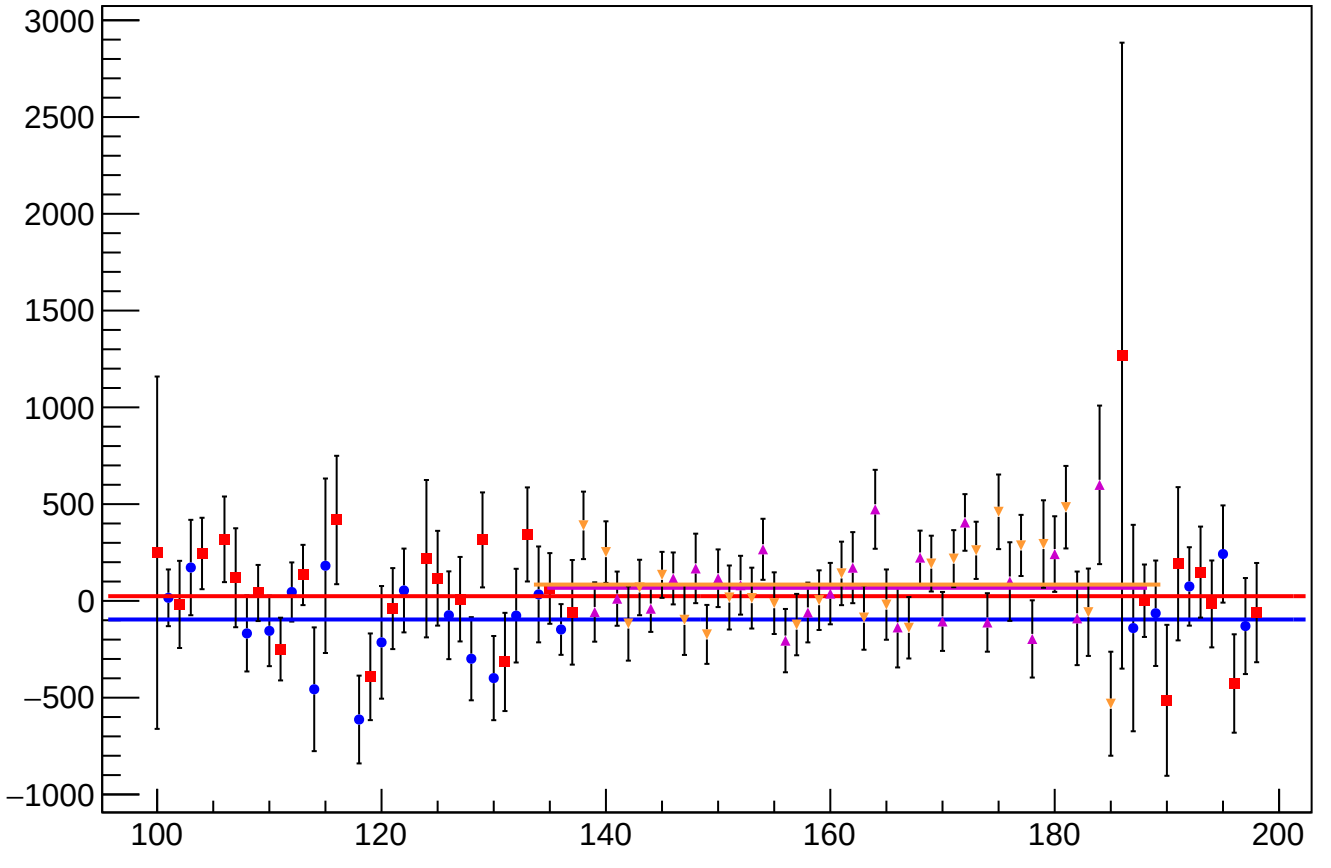
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1420.231+/-0.230 χ^2/NDF: 8147001.0/47

In: 1171.133+/-0.161 χ^2/NDF:4648464.6/43

Out: 1169.601+/-0.155 χ^2/NDF:6672652.1/51

All: 1170.337+/-0.112 χ^2/NDF: 11321163.8/9



Right In: -96.010+/-46.810 χ^2/NDF: 16.2/20

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 24.387+/-44.203 χ^2/NDF: 23.4/26

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

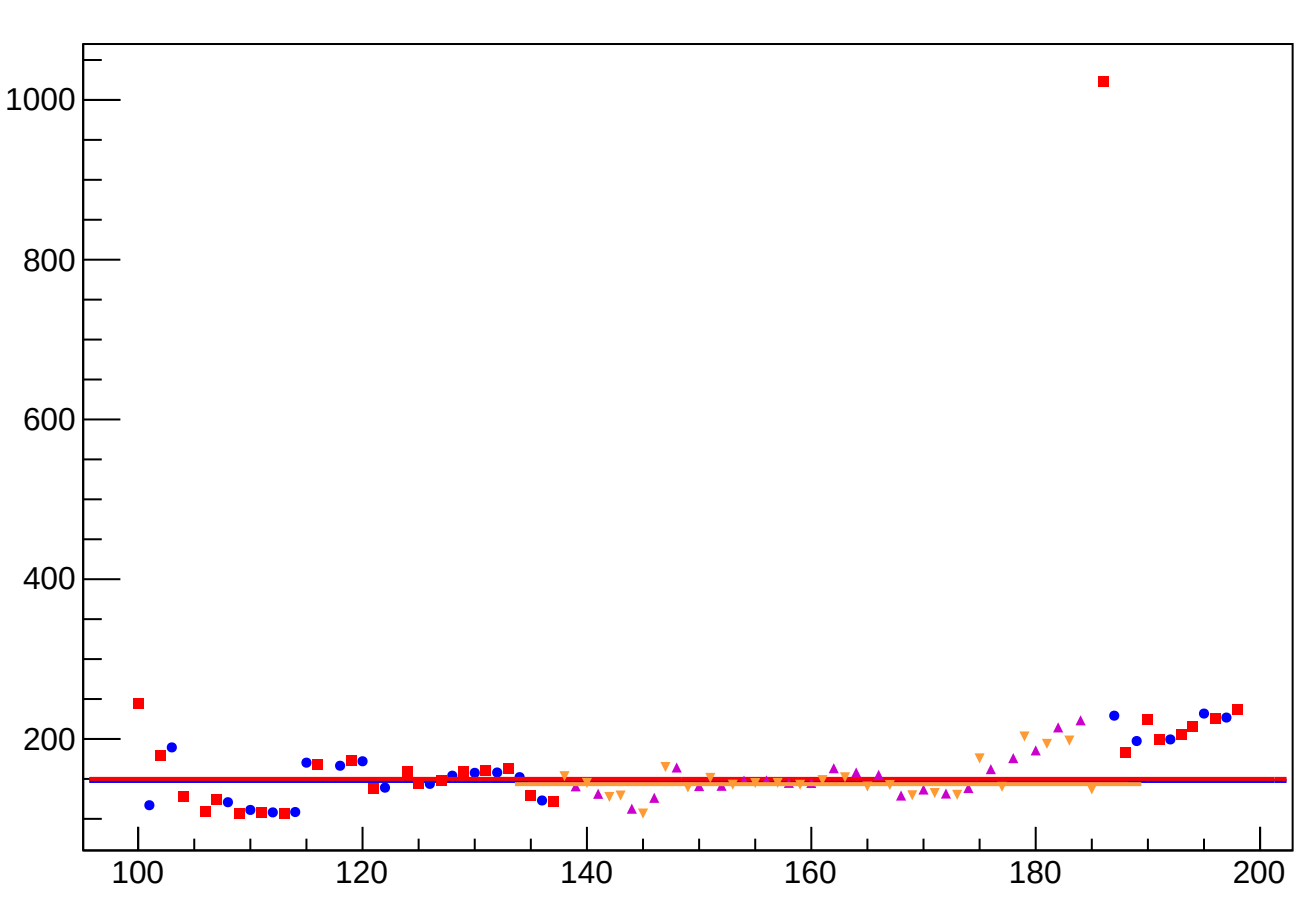
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -32.365+/-32.138 χ^2/NDF: 43.1/47

In: 10.828+/-27.582 χ^2/NDF:50.7/43

Out: 62.853+/-26.462 χ^2/NDF:58.4/51

All: 37.918+/-19.095 χ^2/NDF: 111.0/95



Right In: 147.447+/-0.033 χ^2/NDF: 1215962.5/20

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 150.038+/-0.031 χ^2/NDF: 2166187.1/26

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

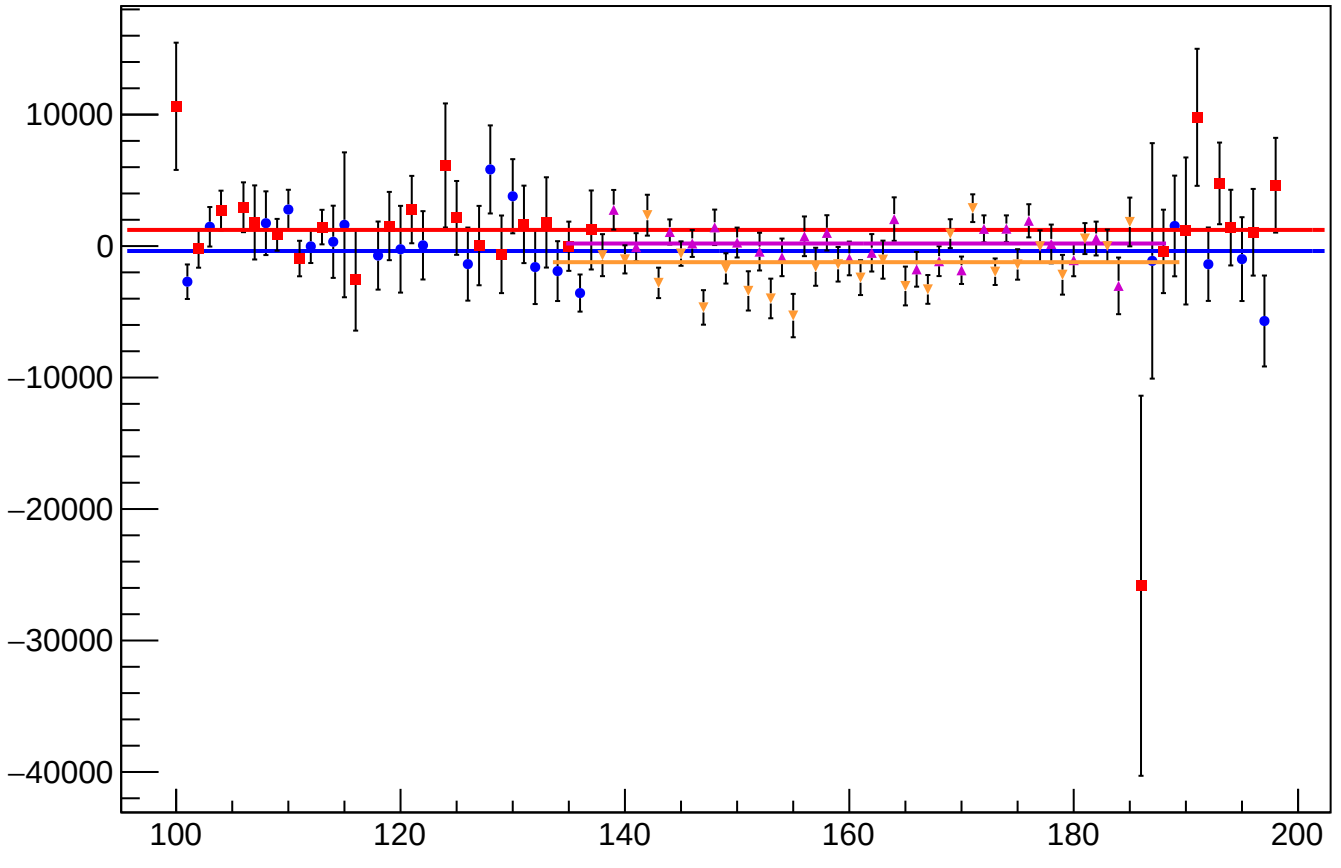
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 148.816+/-0.023 χ^2/NDF: 3385388.6/47

In: 145.308+/-0.020 χ^2/NDF:1925072.2/43

Out: 145.807+/-0.019 χ^2/NDF:2941786.1/51

All: 145.568+/-0.014 χ^2/NDF: 4867198.9/95



Right In: -375.614+/-478.457 χ^2/NDF: 24.5/20

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1228.253+/-442.526 χ^2/NDF: 21.6/26

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

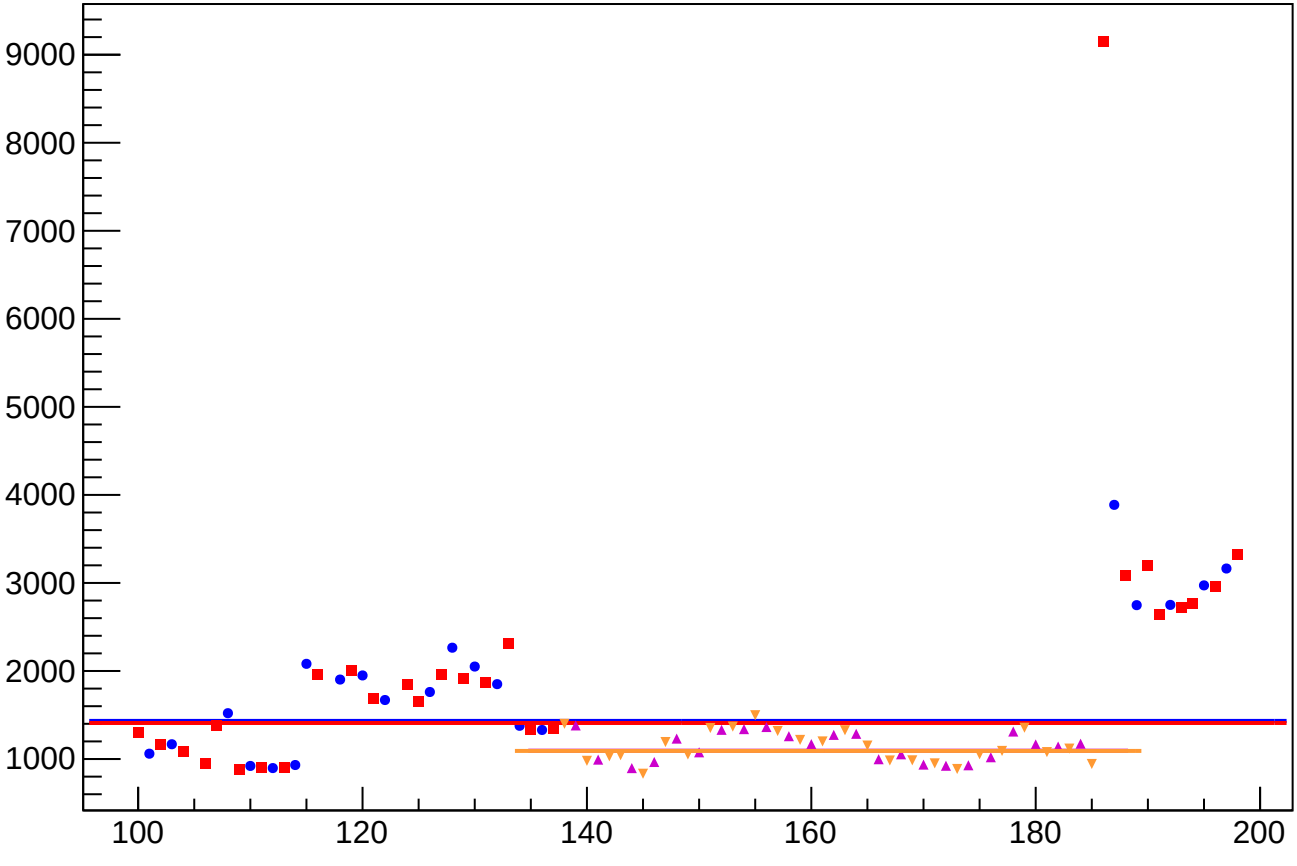
Right: 488.797+/-324.874 χ^2/NDF: 52.1/47

In: 64.824+/-227.716 χ^2/NDF:48.8/43

Out: -625.123+/-218.830 χ^2/NDF:104.0/51

All: -293.874+/-157.784 χ^2/NDF: 157.7/95

asym_sam_48_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1432.882+/-0.338 χ^2/NDF: 3141626.9/20

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1409.408+/-0.313 χ^2/NDF: 5002779.6/26

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

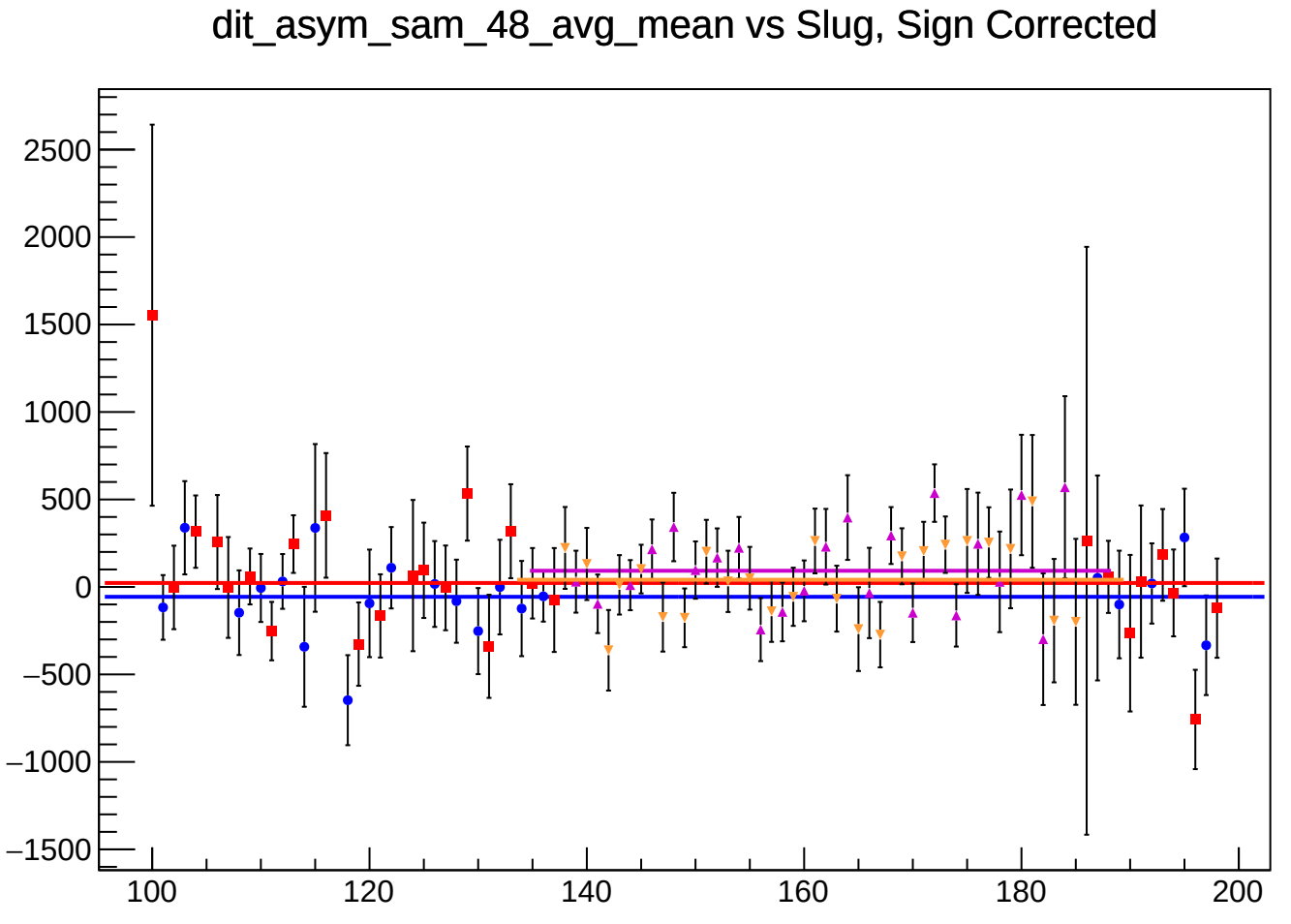
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1420.231+/-0.230 χ^2/NDF: 8147001.0/47

In: 1171.133+/-0.161 χ^2/NDF:4648464.6/43

Out: 1169.601+/-0.155 χ^2/NDF:6672652.1/51

All: 1170.337+/-0.112 χ^2/NDF: 11321163.8/9



Right In: -56.509+/-52.100 χ^2/NDF: 13.4/20

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: 22.703+/-48.594 χ^2/NDF: 28.5/26

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

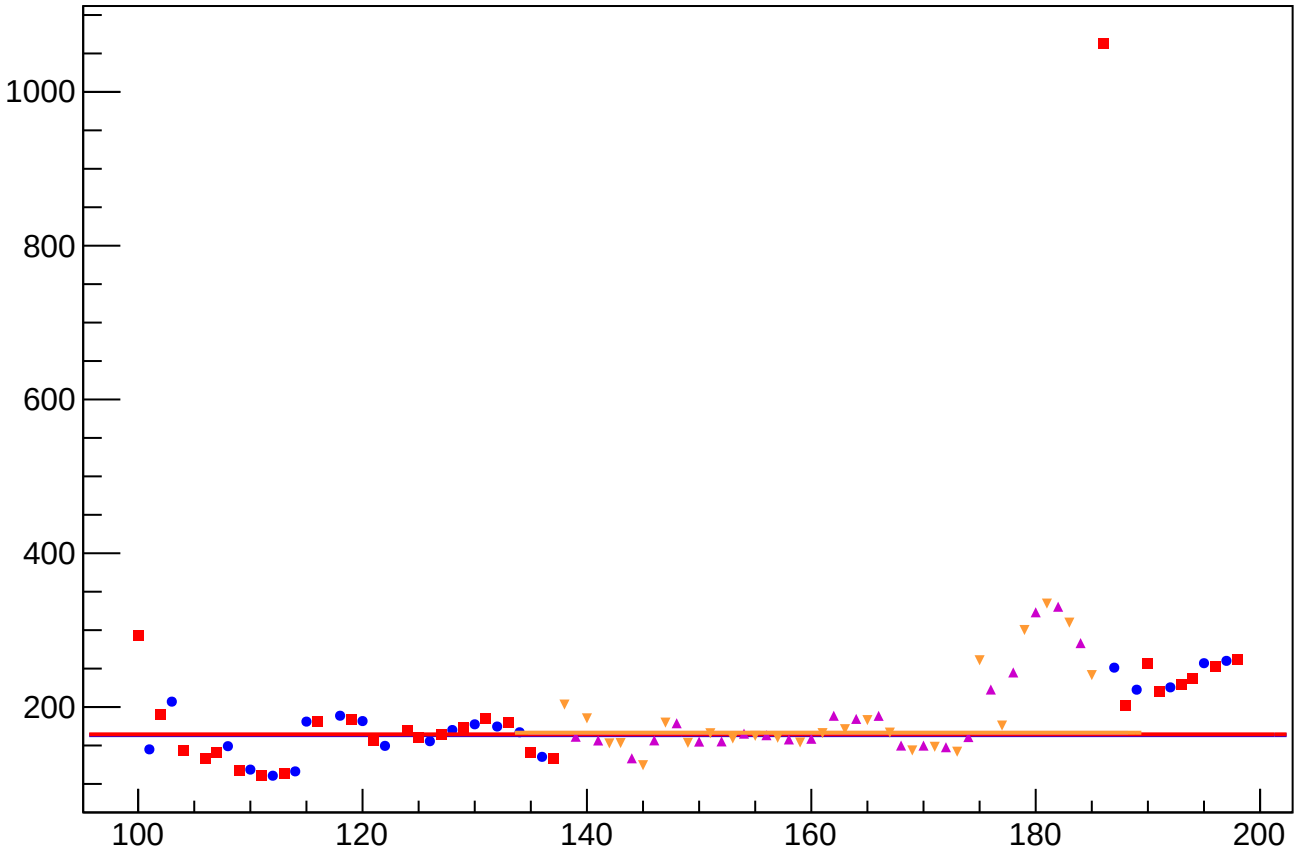
Left: 66.180+/-28.045 χ^2/NDF: 52.7/47

Right: -14.148+/-35.536 χ^2/NDF: 43.2/47

In: 36.989+/-31.810 χ^2/NDF:48.1/43

Out: 33.845+/-30.499 χ^2/NDF:50.9/51

All: 35.351+/-22.015 χ^2/NDF: 99.0/95



Right In: 163.478+/-0.037 χ^2/NDF: 1299950.9/20

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 164.470+/-0.034 χ^2/NDF: 2242730.7/26

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

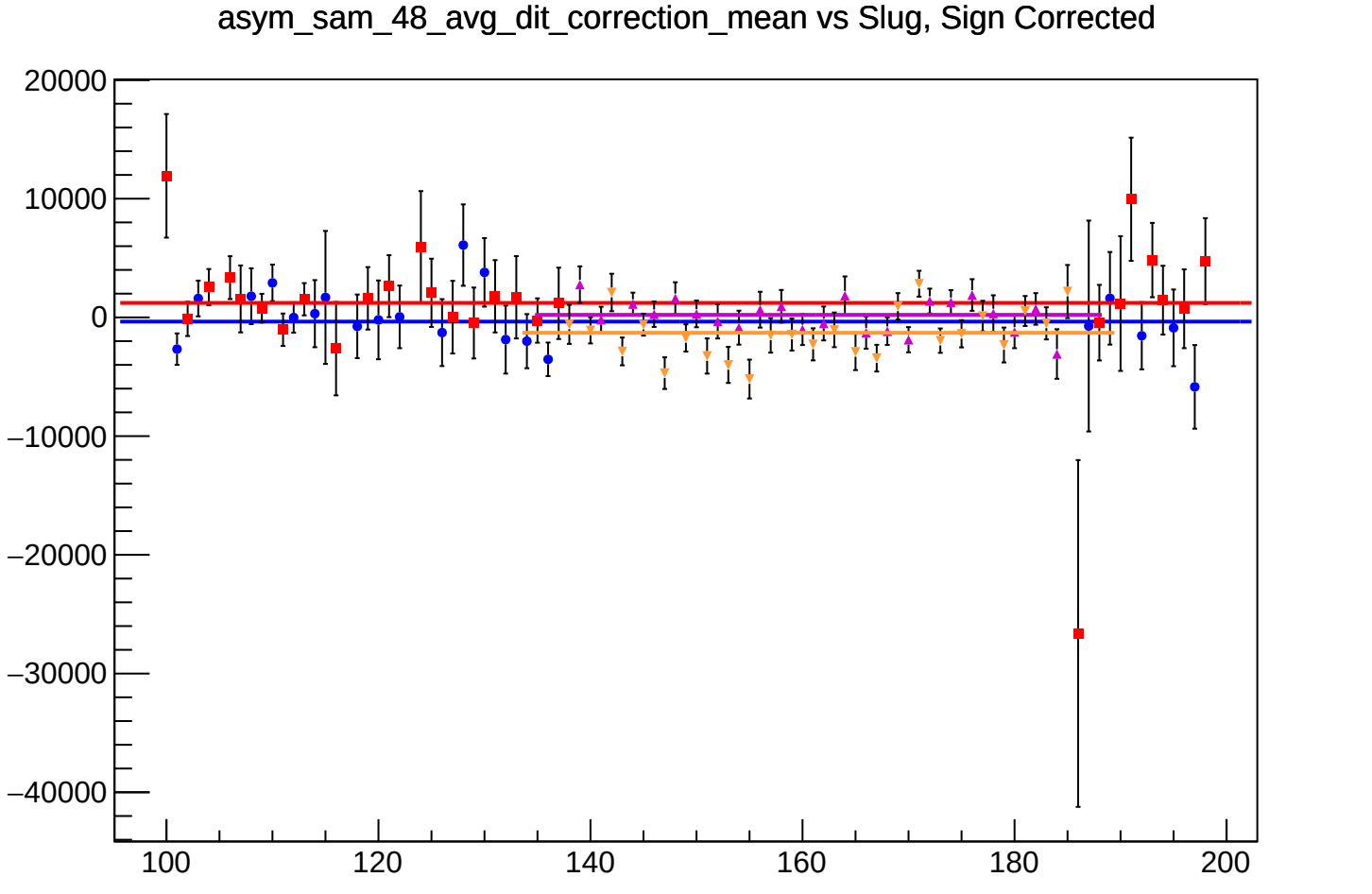
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 164.009+/-0.025 χ^2/NDF: 3543069.2/47

In: 165.253+/-0.022 χ^2/NDF:2696118.0/43

Out: 165.760+/-0.022 χ^2/NDF:3964892.0/51

All: 165.517+/-0.016 χ^2/NDF: 6661274.6/95



Right In: -354.014+/-483.233 χ^2/NDF: 24.8/20

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: 1219.356+/-445.760 χ^2/NDF: 22.7/26

Left In: 217.285+/-264.388 χ^2/NDF:22.2/22

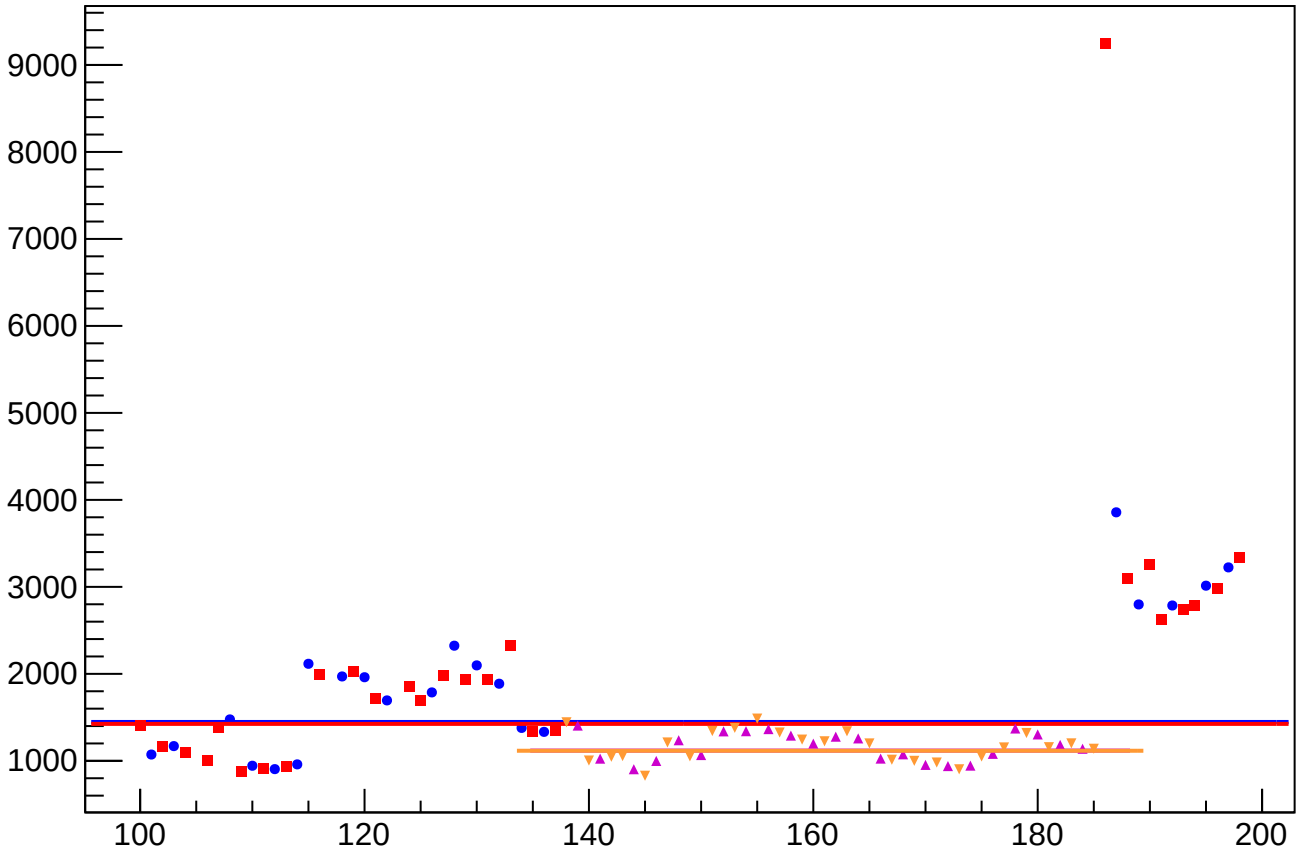
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

Right: 496.032+/-327.648 χ^2/NDF: 53.3/47

In: 85.668+/-231.942 χ^2/NDF:48.1/43

Out: -670.372+/-222.621 χ^2/NDF:101.8/51

All: -307.849+/-160.611 χ^2/NDF: 155.5/95



Right In: 1446.930+/-0.342 χ^2/NDF: 3169420.8/20

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1424.867+/-0.315 χ^2/NDF: 4987416.0/26

Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

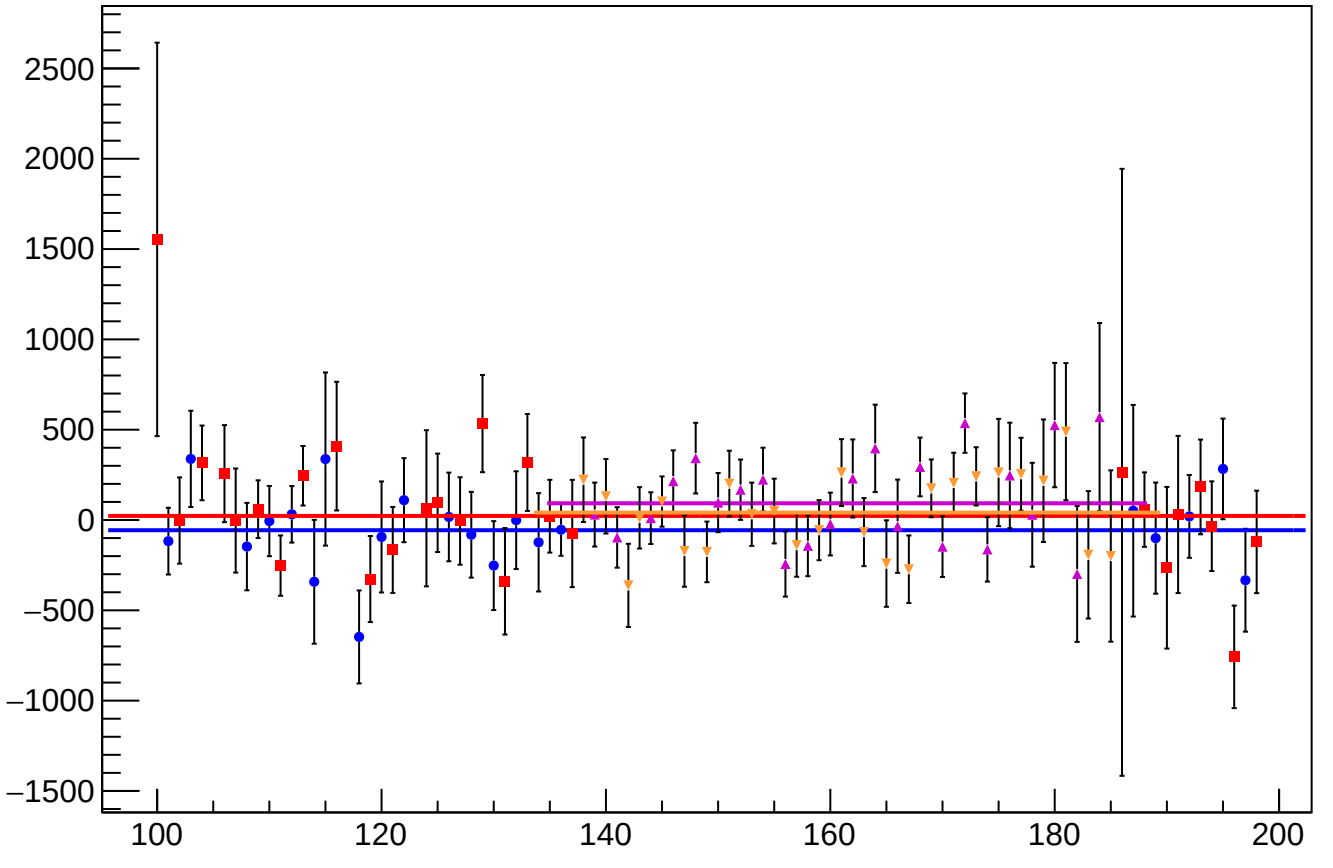
Left: 1116.907+/-0.130 χ^2/NDF: 1596924.0/47

Right: 1435.010+/-0.232 χ^2/NDF: 8159089.2/47

In: 1193.649+/-0.164 χ^2/NDF:4612721.6/43

Out: 1193.063+/-0.157 χ^2/NDF:6575471.6/51

All: 1193.344+/-0.114 χ^2/NDF: 11188199.9/9



Right In: -56.506+/-52.100 χ^2/NDF: 13.4/20

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: 22.703+/-48.594 χ^2/NDF: 28.5/26

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

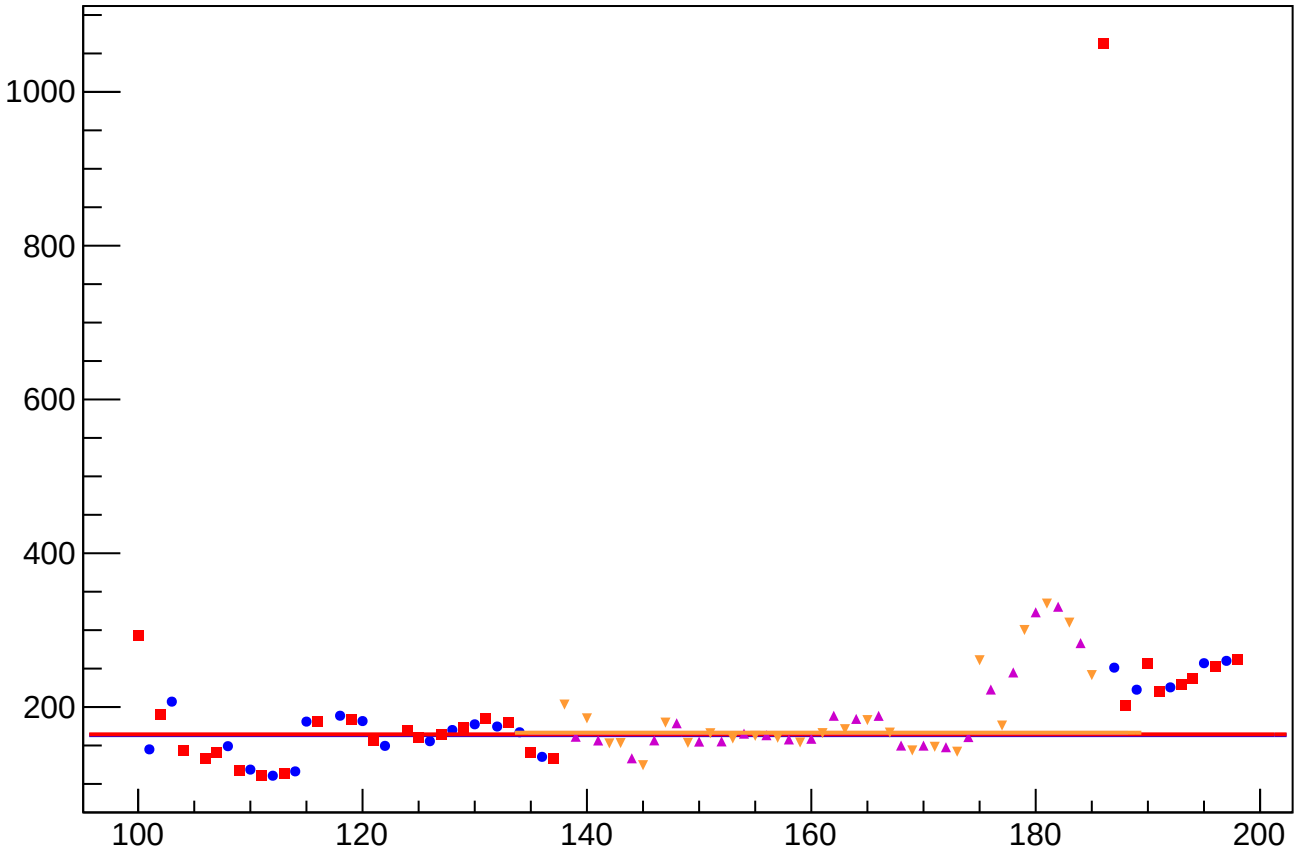
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -14.147+/-35.536 χ^2/NDF: 43.2/47

In: 36.989+/-31.810 χ^2/NDF:48.1/43

Out: 33.846+/-30.500 χ^2/NDF:50.9/51

All: 35.351+/-22.015 χ^2/NDF: 99.0/95



Right In: 163.478+/-0.037 χ^2/NDF: 1299946.1/20

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

Right Out: 164.470+/-0.034 χ^2/NDF: 2242731.3/26

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

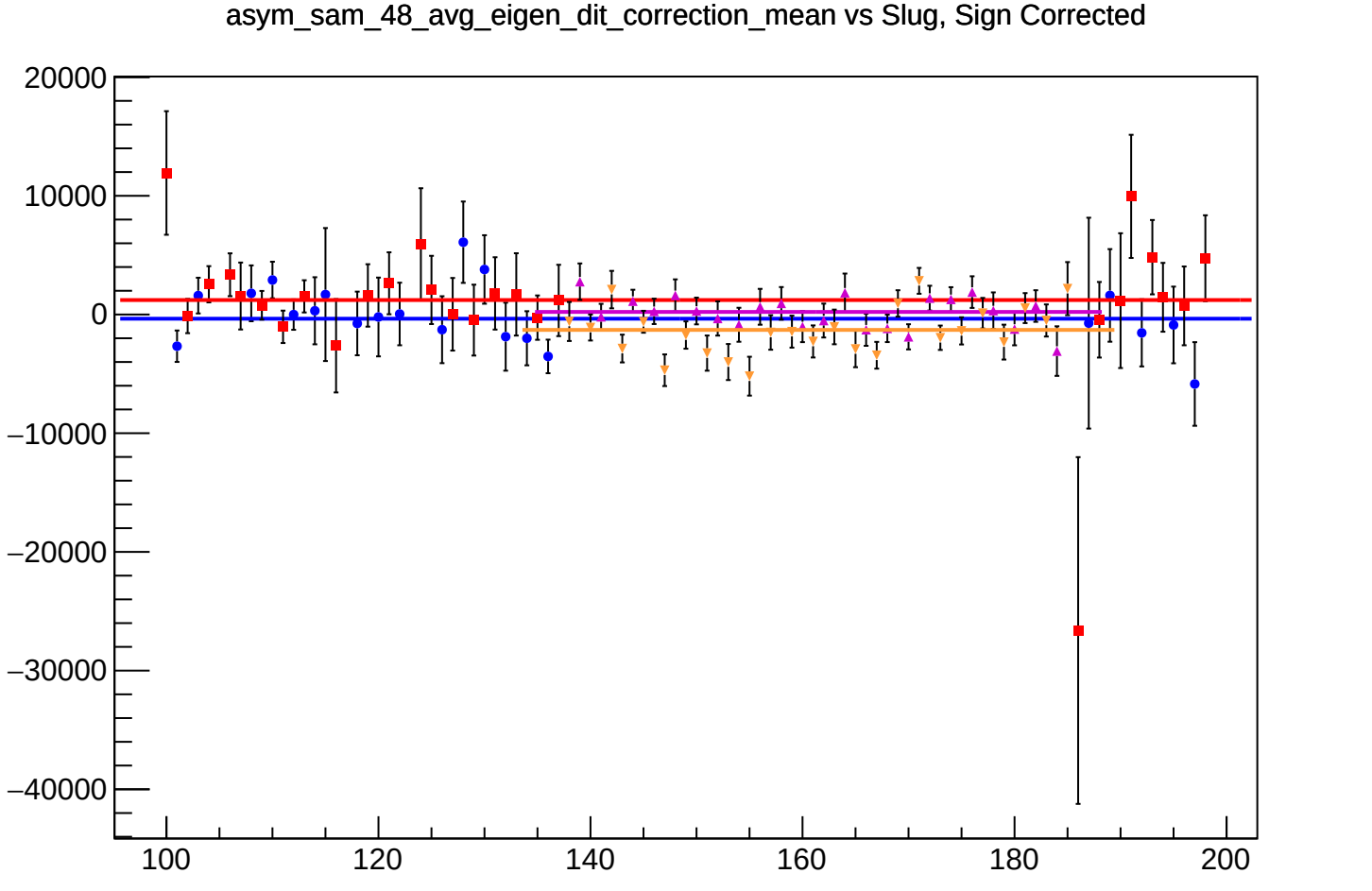
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 164.009+/-0.025 χ^2/NDF: 3543064.9/47

In: 165.253+/-0.022 χ^2/NDF:2696093.8/43

Out: 165.760+/-0.022 χ^2/NDF:3964887.0/51

All: 165.517+/-0.016 χ^2/NDF: 6661245.4/95



Right In: -354.013+/-483.232 χ^2/NDF: 24.8/20

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: 1219.355+/-445.760 χ^2/NDF: 22.7/26

Left In: 217.283+/-264.388 χ^2/NDF:22.2/22

Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

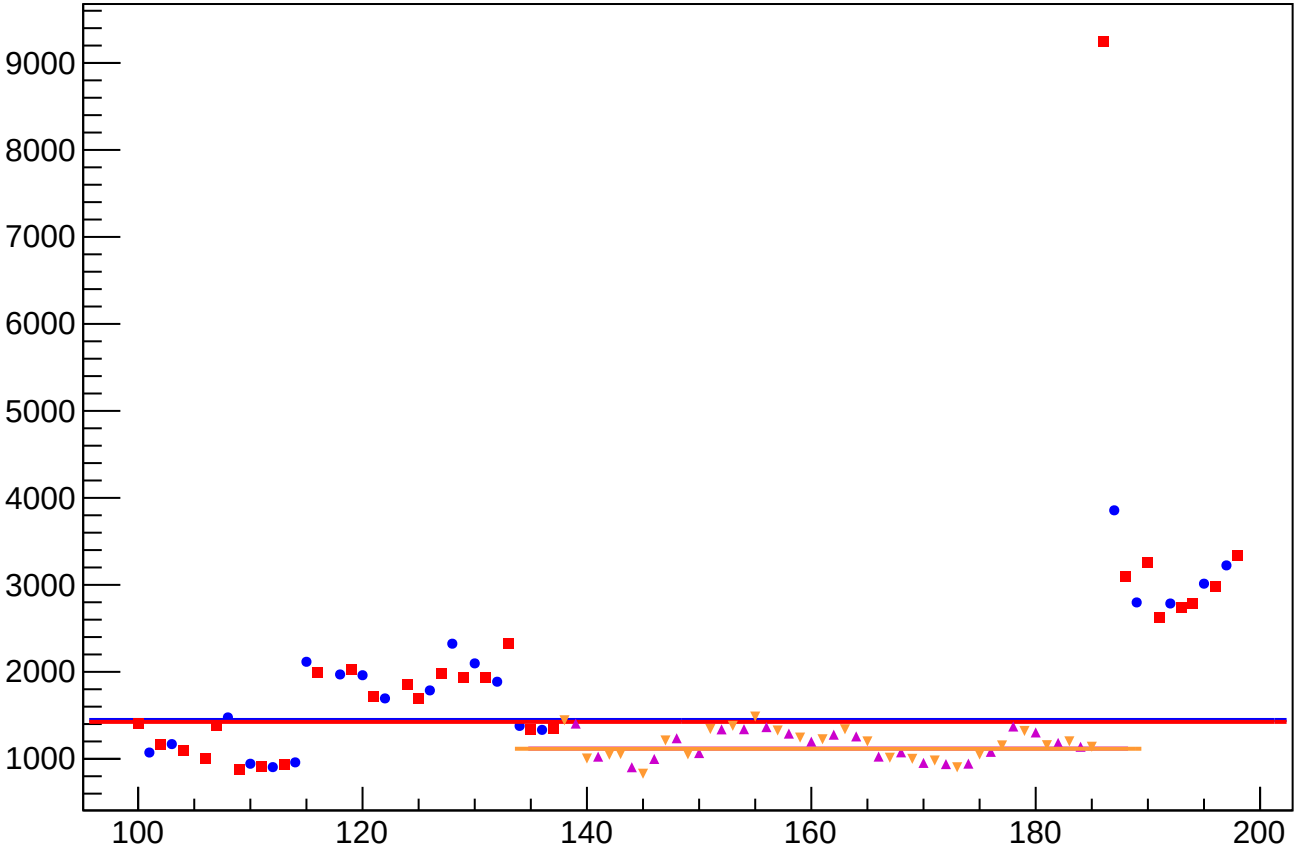
Right: 496.032+/-327.647 χ^2/NDF: 53.3/47

In: 85.667+/-231.942 χ^2/NDF:48.1/43

Out: -670.371+/-222.621 χ^2/NDF:101.8/51

All: -307.848+/-160.611 χ^2/NDF: 155.5/95

asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1446.928+/-0.342 χ^2/NDF: 3169424.3/20

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1424.866+/-0.315 χ^2/NDF: 4987415.5/26

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

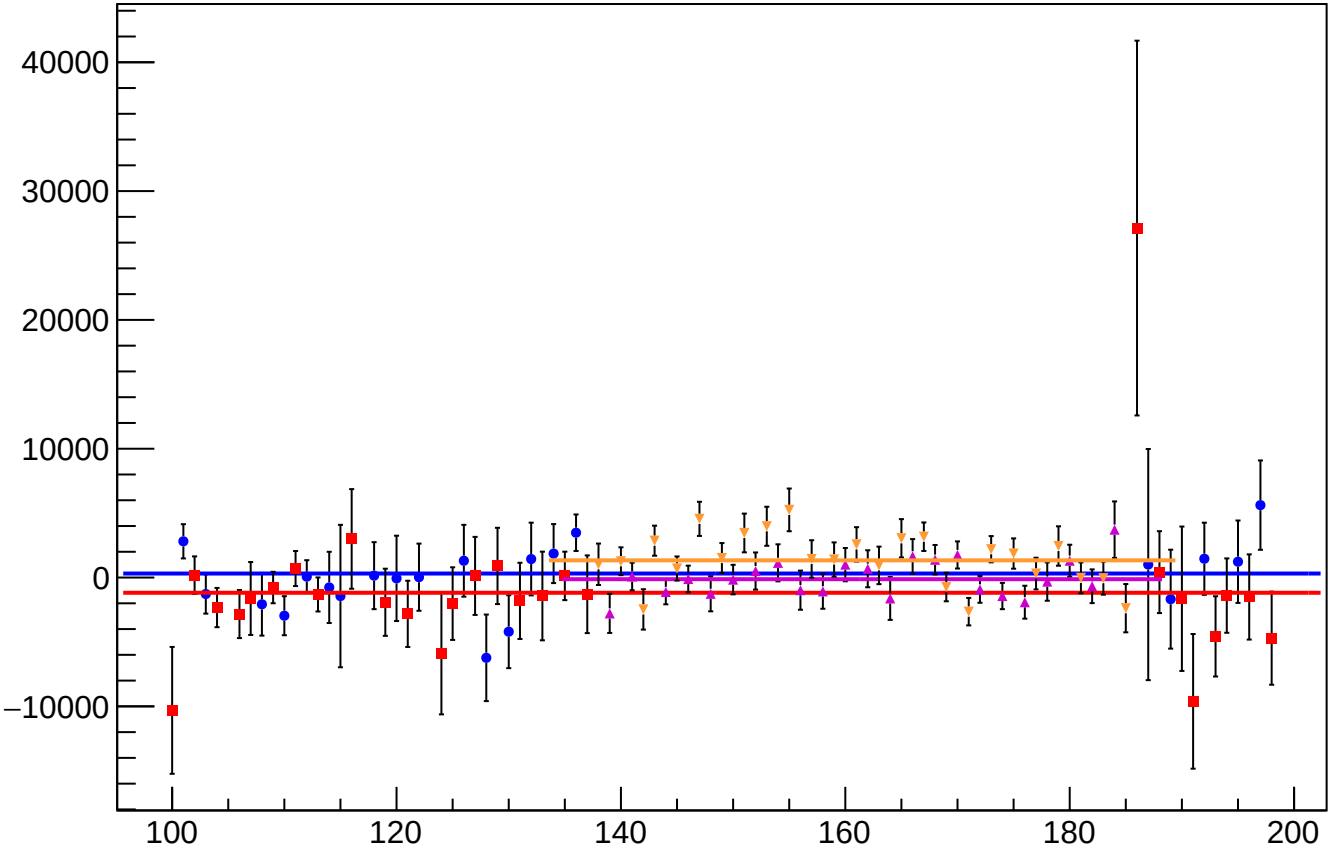
Right: 1435.009+/-0.232 χ^2/NDF: 8159092.2/47

In: 1193.647+/-0.164 χ^2/NDF:4612727.2/43

Out: 1193.061+/-0.157 χ^2/NDF:6575477.0/51

All: 1193.342+/-0.114 χ^2/NDF: 11188210.8/9

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 311.661+/-481.807 χ^2/NDF: 25.5/20

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: -1181.133+/-444.915 χ^2/NDF: 20.5/26

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

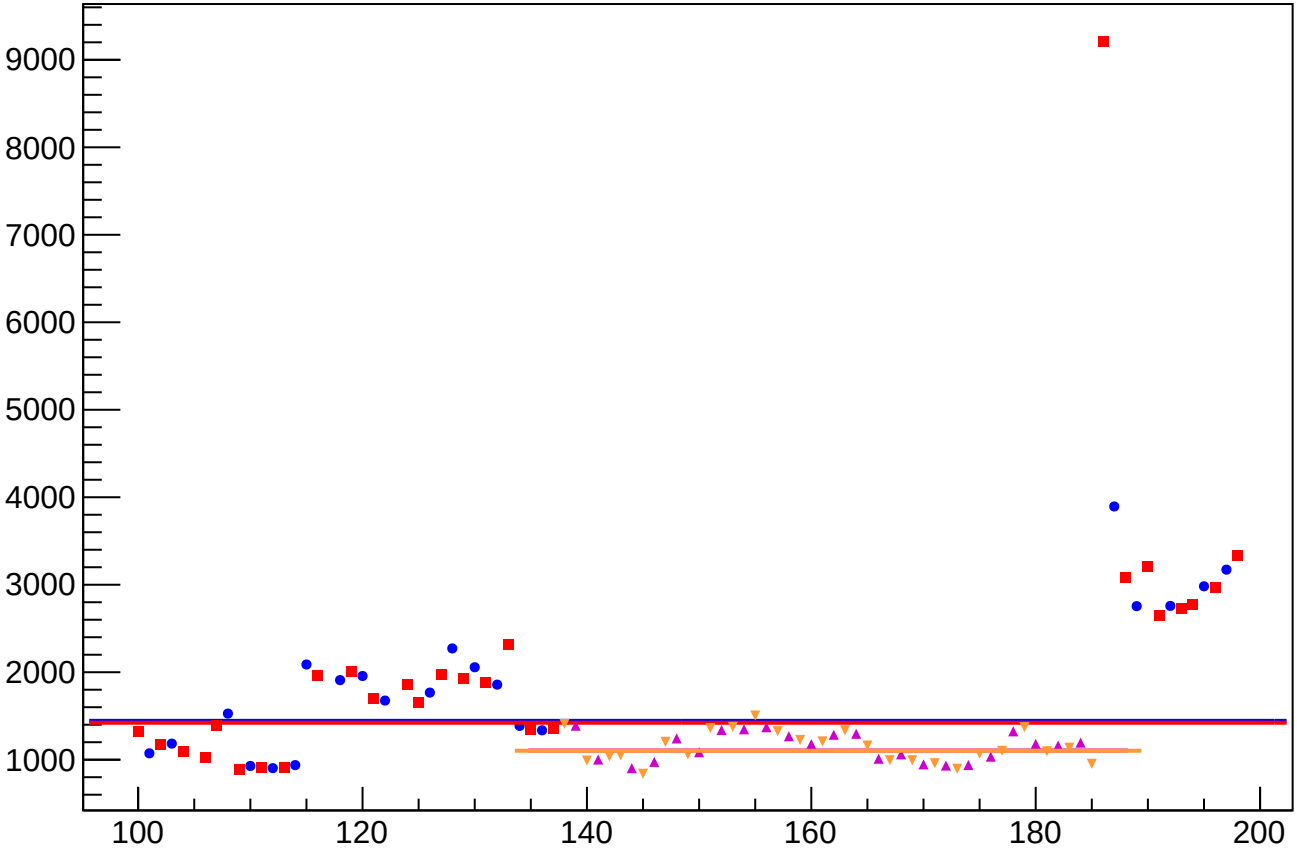
Right: -494.069+/-326.868 χ^2/NDF: 51.2/47

In: -28.291+/-229.773 χ^2/NDF:50.2/43

Out: 715.605+/-220.707 χ^2/NDF:100.2/51

All: 358.623+/-159.172 χ^2/NDF: 155.9/95

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1444.237+/-0.341 χ^2/NDF: 3108366.2/20

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

Right Out: 1422.546+/-0.315 χ^2/NDF: 4939432.4/26

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

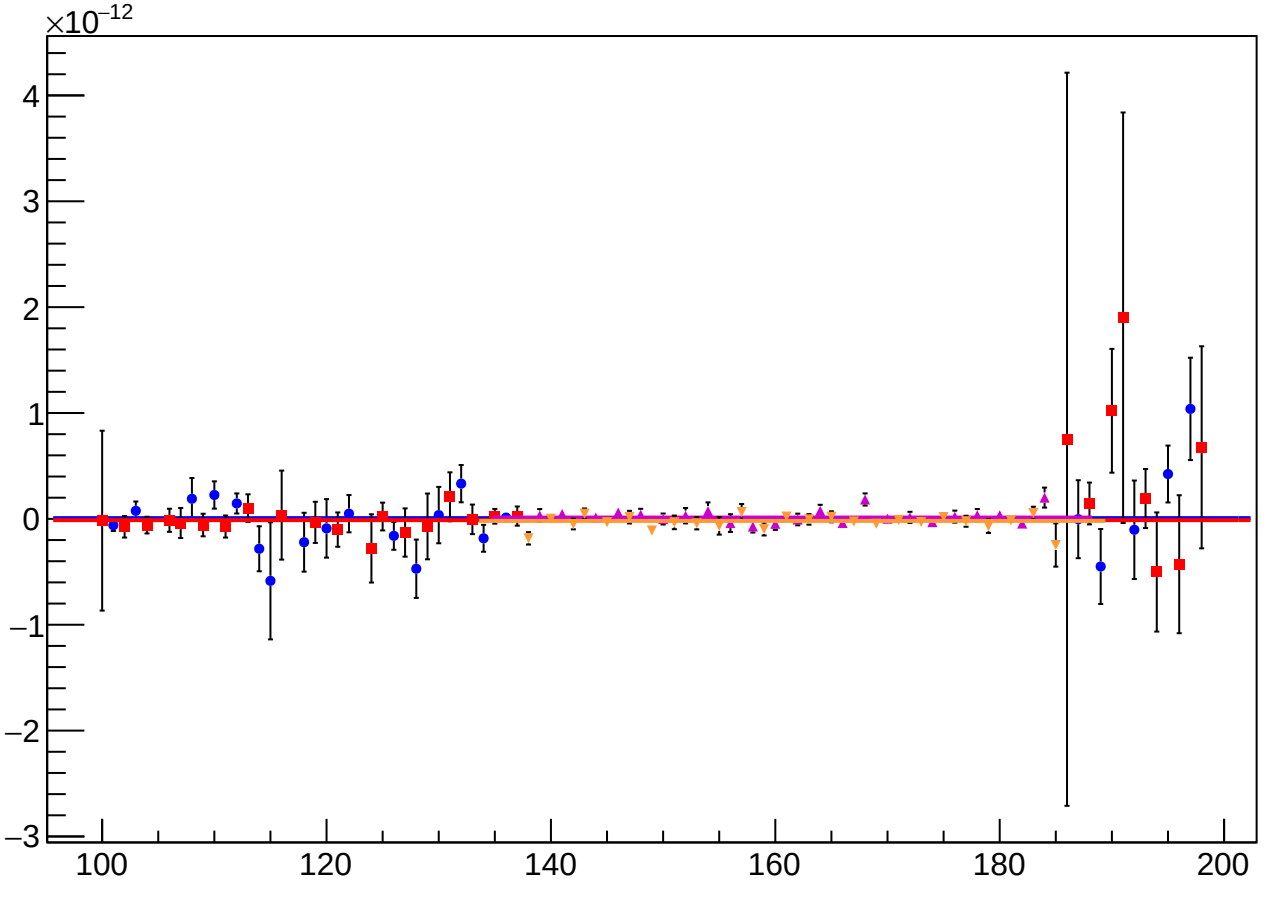
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

Right: 1432.529+/-0.231 χ^2/NDF: 8049986.5/47

In: 1182.308+/-0.162 χ^2/NDF:4596763.5/43

Out: 1181.408+/-0.156 χ^2/NDF:6599161.0/51

All: 1181.840+/-0.113 χ^2/NDF: 11195940.5/9



Right In: 0.000+/-0.000 χ^2/NDF: 30.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 11.8/26

Left In: 0.000+/-0.000 χ^2/NDF:27.1/22

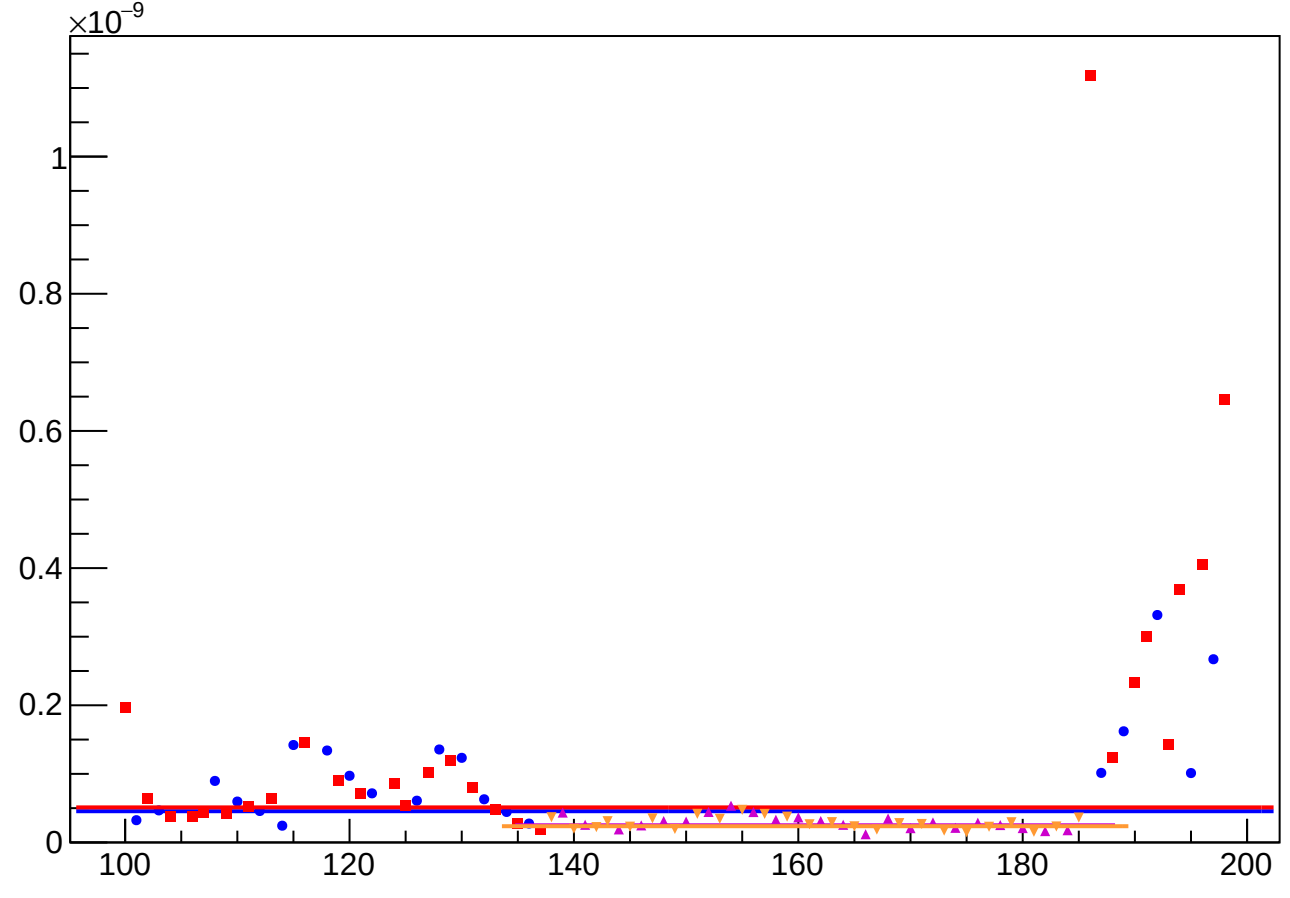
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 42.9/47

In: 0.000+/-0.000 χ^2/NDF:58.0/43

Out: -0.000+/-0.000 χ^2/NDF:38.3/51

All: -0.000+/-0.000 χ^2/NDF: 101.8/95



Right In: 0.000+/-0.000 χ^2/NDF: 2894275.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4082892.4/26

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

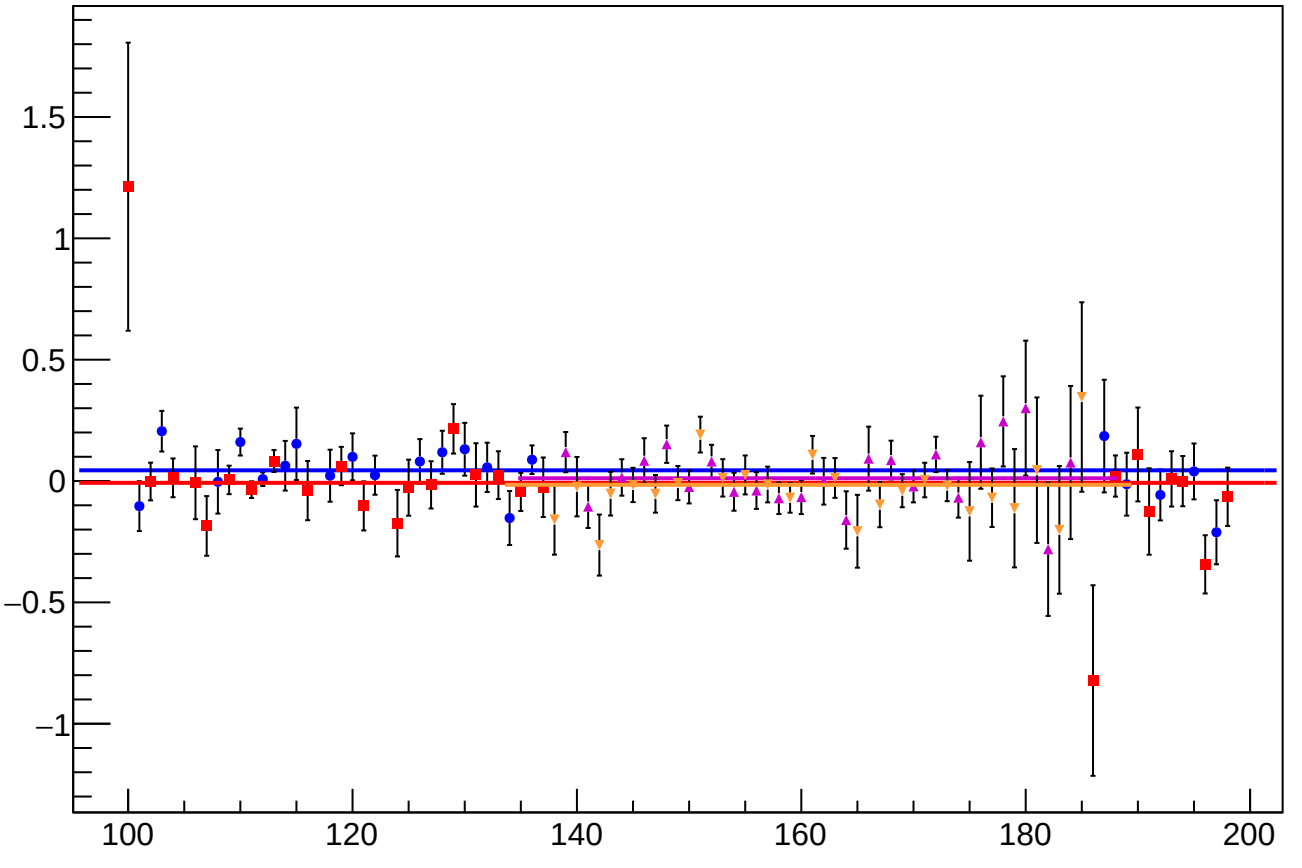
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 7018536.1/47

In: 0.000+/-0.000 χ^2/NDF:5487915.5/43

Out: 0.000+/-0.000 χ^2/NDF:7217589.9/51

All: 0.000+/-0.000 χ^2/NDF: 12728190.5/95



Right In: 0.044+/-0.017 χ^2/NDF: 23.4/20

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.007+/-0.017 χ^2/NDF: 32.8/26

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

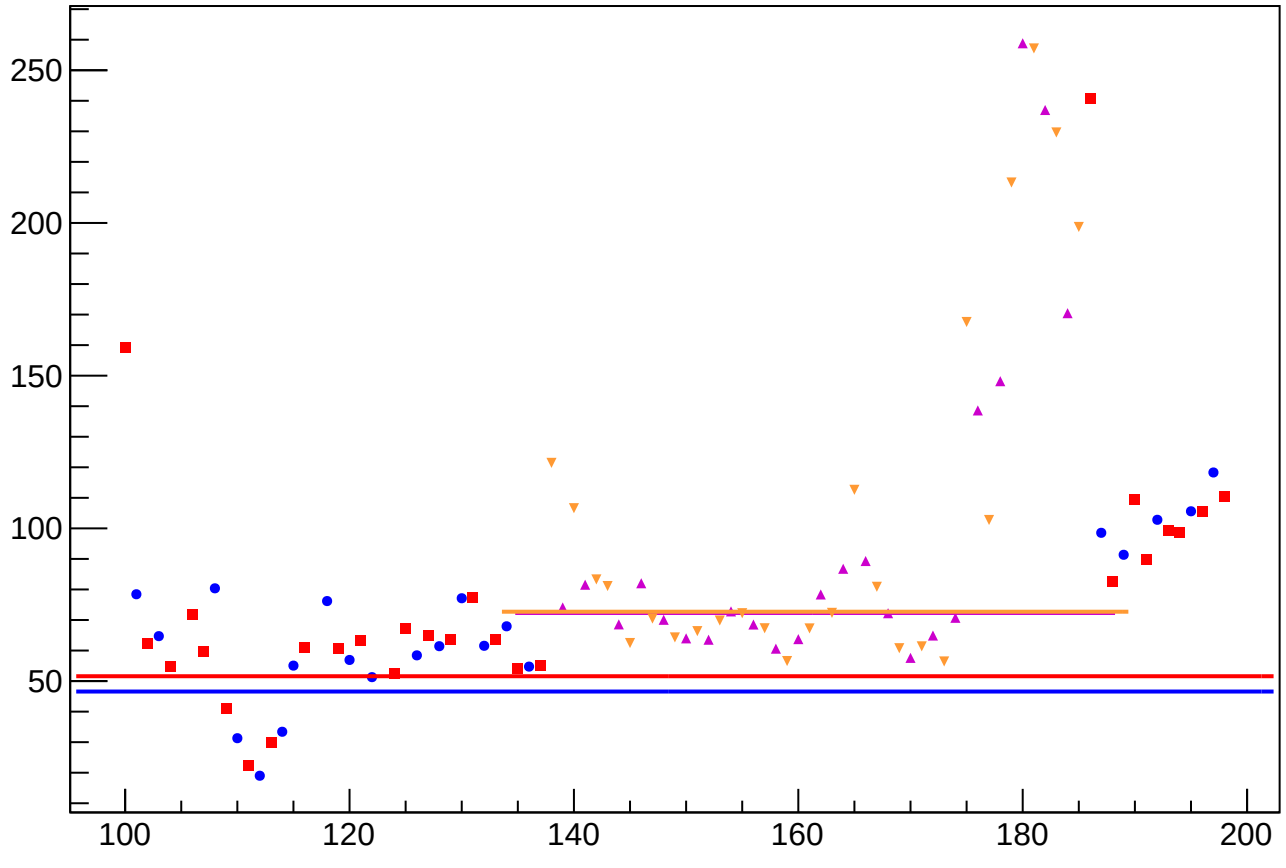
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.018+/-0.012 χ^2/NDF: 60.9/47

In: 0.029+/-0.012 χ^2/NDF:48.5/43

Out: -0.011+/-0.012 χ^2/NDF:54.5/51

All: 0.009+/-0.009 χ^2/NDF: 108.3/95



Right In: 46.580+/-0.012 χ^2/NDF: 5141395.6/20

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 51.591+/-0.012 χ^2/NDF: 5079185.9/26

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

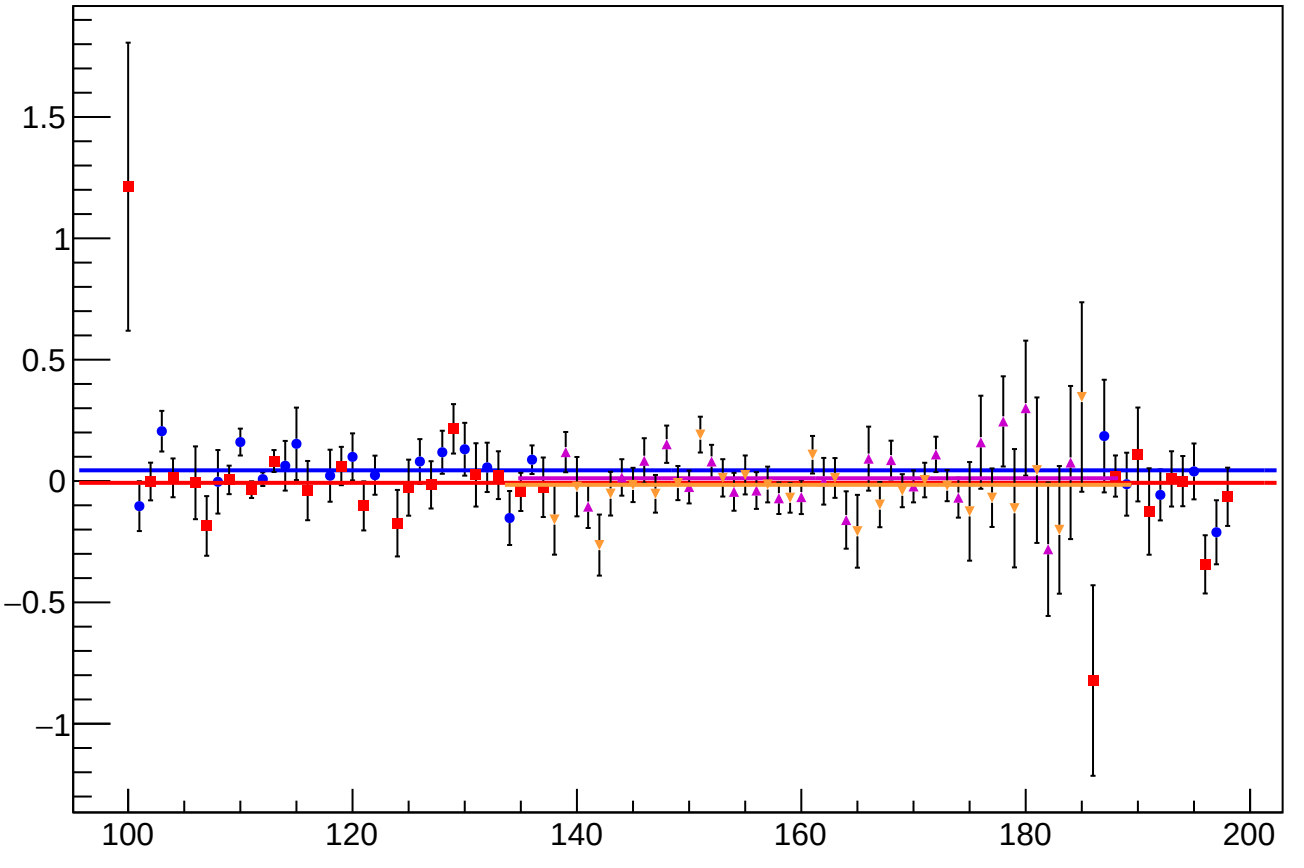
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 49.141+/-0.008 χ^2/NDF: 10309575.6/47

In: 58.511+/-0.009 χ^2/NDF:10059564.2/43

Out: 61.329+/-0.009 χ^2/NDF:10531501.4/51

All: 59.947+/-0.006 χ^2/NDF: 20643411.1/95



Right In: 0.044+/-0.017 χ^2/NDF: 23.4/20

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.007+/-0.017 χ^2/NDF: 32.8/26

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

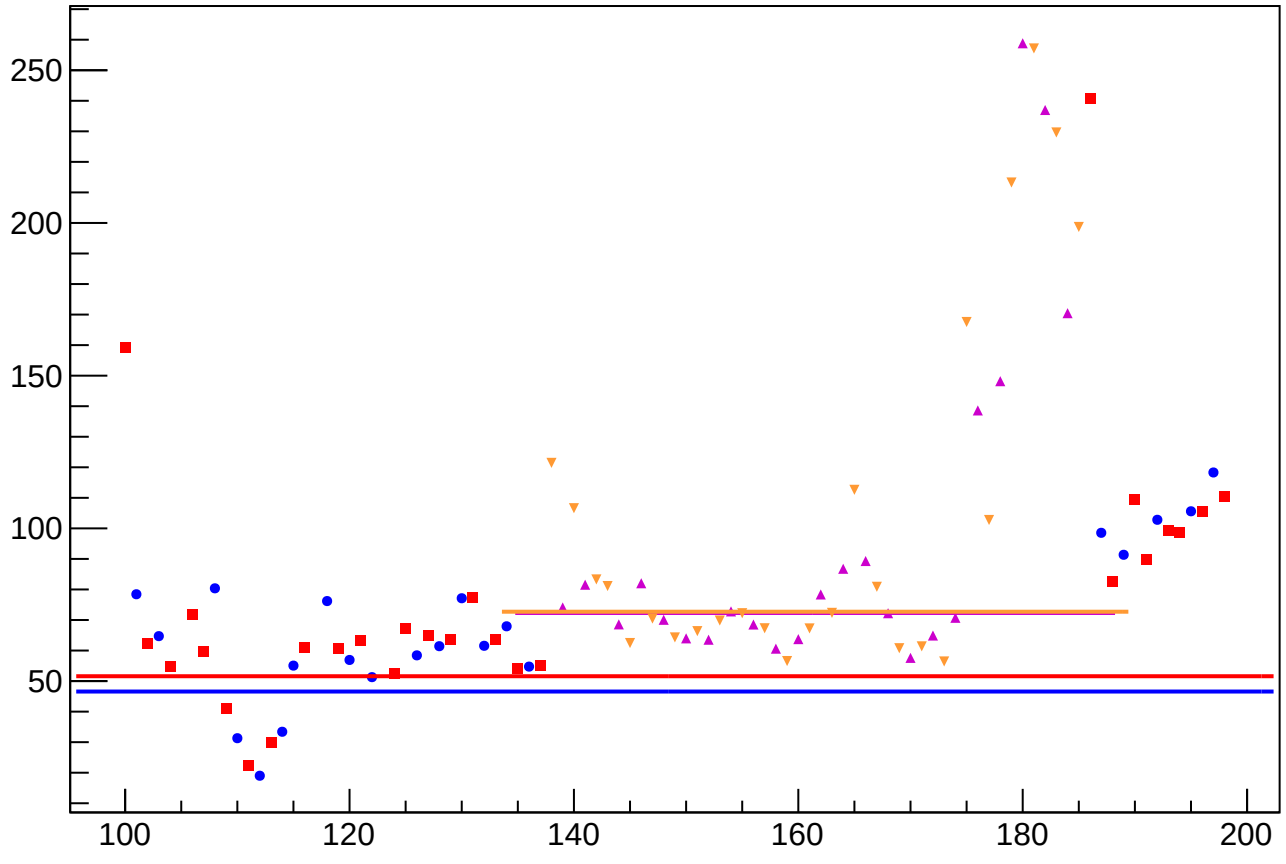
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.018+/-0.012 χ^2/NDF: 60.9/47

In: 0.029+/-0.012 χ^2/NDF:48.5/43

Out: -0.011+/-0.012 χ^2/NDF:54.5/51

All: 0.009+/-0.009 χ^2/NDF: 108.3/95



Right In: 46.580+/-0.012 χ^2/NDF: 5141395.6/20

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 51.591+/-0.012 χ^2/NDF: 5079185.9/26

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

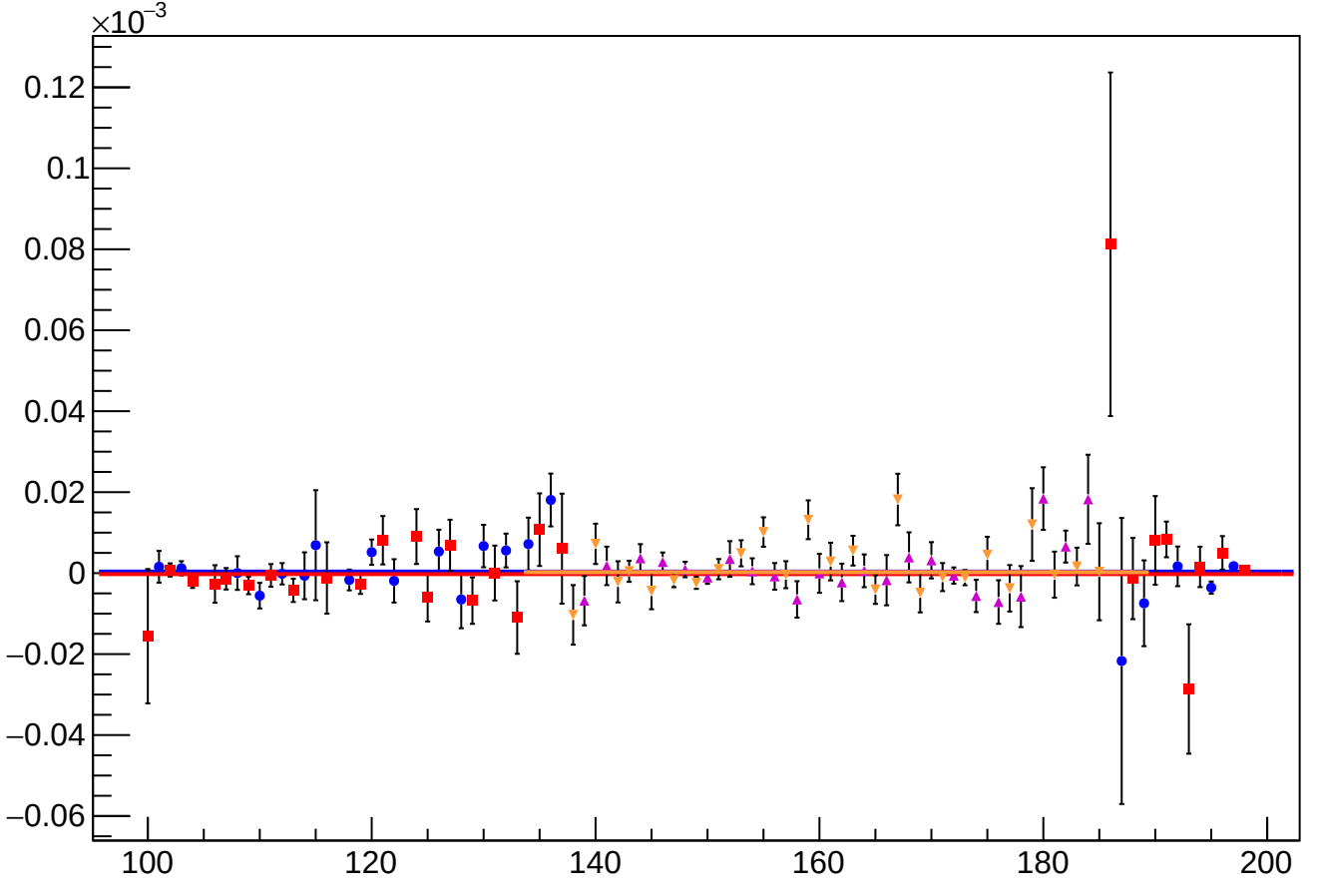
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 49.141+/-0.008 χ^2/NDF: 10309575.6/47

In: 58.511+/-0.009 χ^2/NDF:10059564.2/43

Out: 61.329+/-0.009 χ^2/NDF:10531501.4/51

All: 59.947+/-0.006 χ^2/NDF: 20643411.1/95



Right In: 0.000+/-0.000 χ^2/NDF: 29.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.4/26

Left In: 0.000+/-0.000 χ^2/NDF:24.1/22

Left: 0.000+/-0.000 χ^2/NDF: 67.4/47

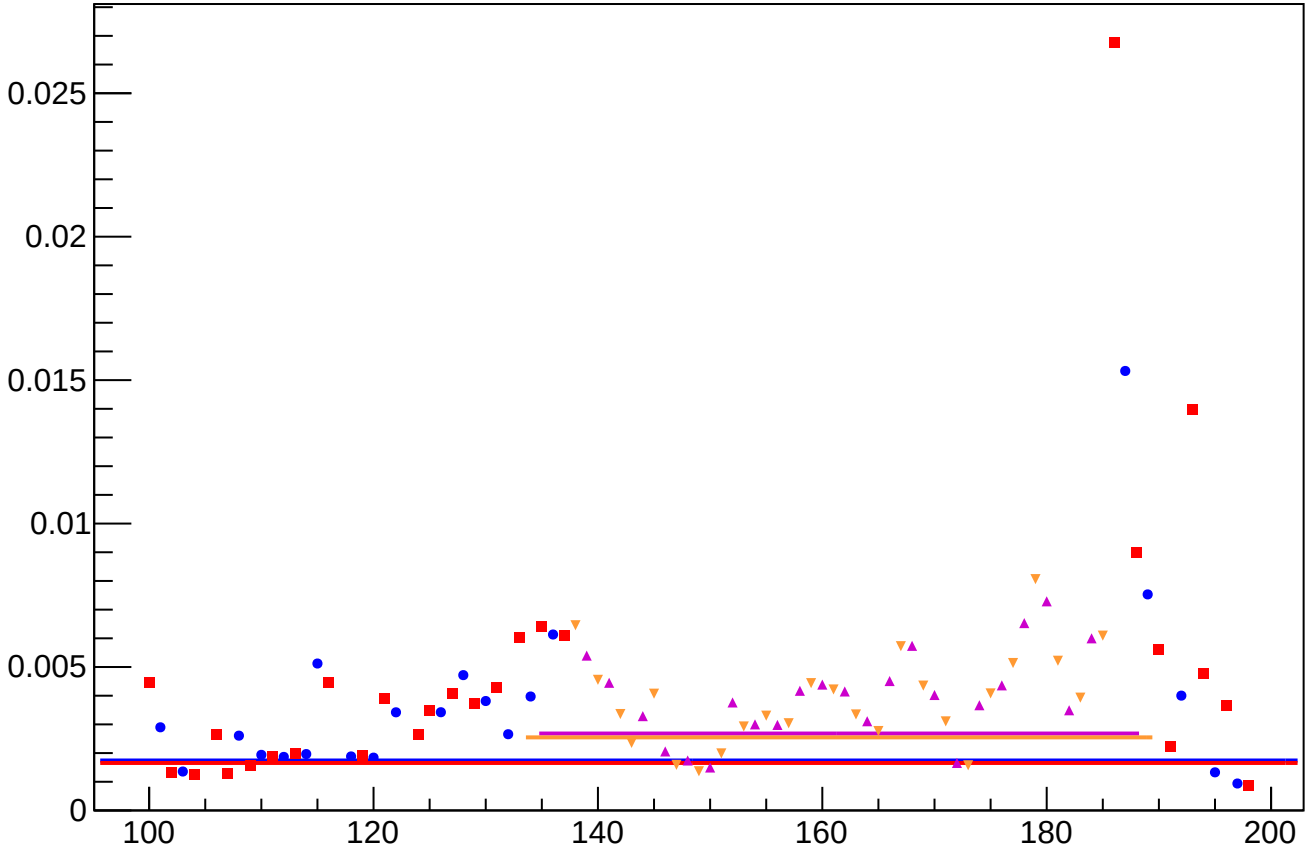
Right: 0.000+/-0.000 χ^2/NDF: 61.5/47

In: 0.000+/-0.000 χ^2/NDF:53.7/43

Out: -0.000+/-0.000 χ^2/NDF:75.1/51

All: 0.000+/-0.000 χ^2/NDF: 129.1/95

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5109065.8/20

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8955194.8/26

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

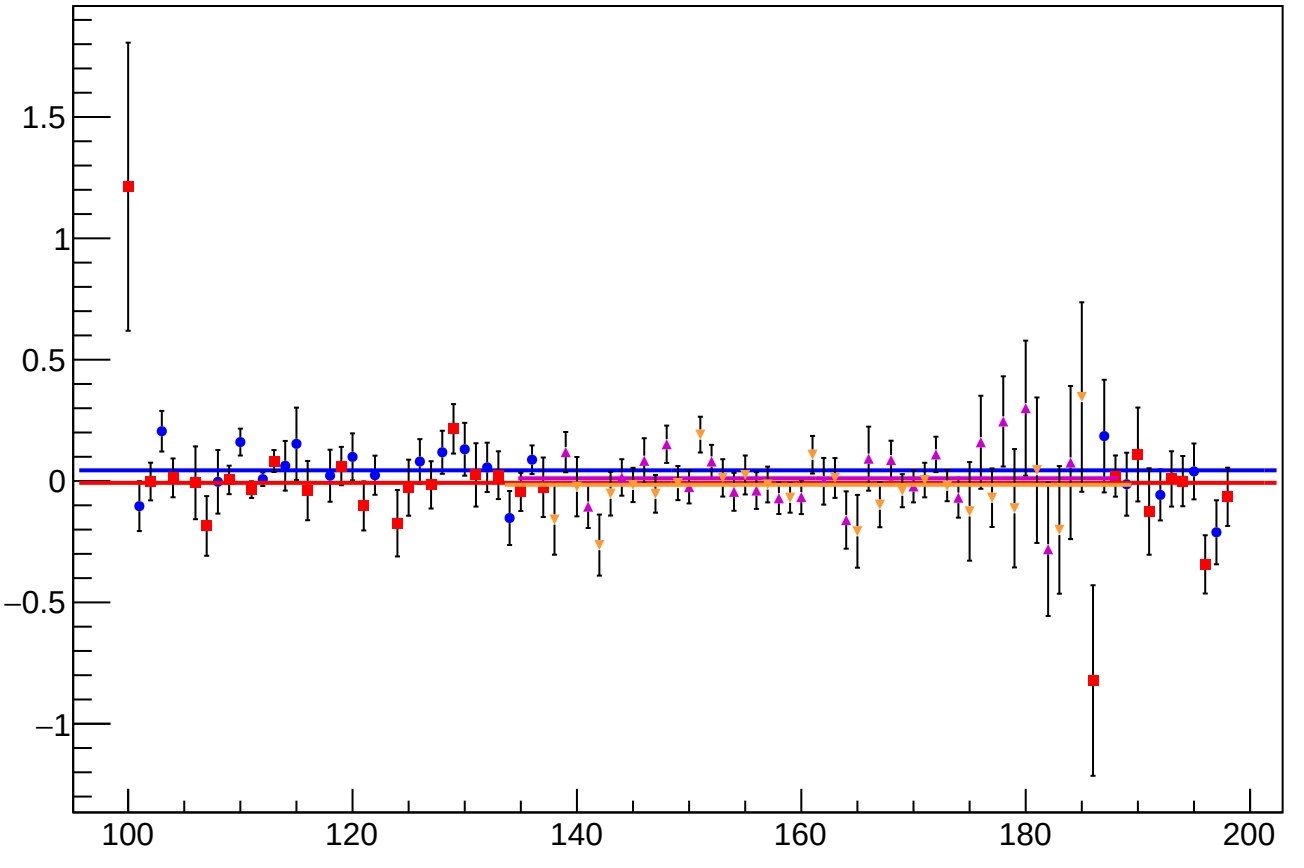
Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

Right: 0.002+/-0.000 χ^2/NDF: 14083201.3/47

In: 0.002+/-0.000 χ^2/NDF:13528022.9/43

Out: 0.002+/-0.000 χ^2/NDF:18499542.6/51

All: 0.002+/-0.000 χ^2/NDF: 32091345.7/95



Right In: 0.044+/-0.017 χ^2/NDF: 23.4/20

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.007+/-0.017 χ^2/NDF: 32.8/26

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

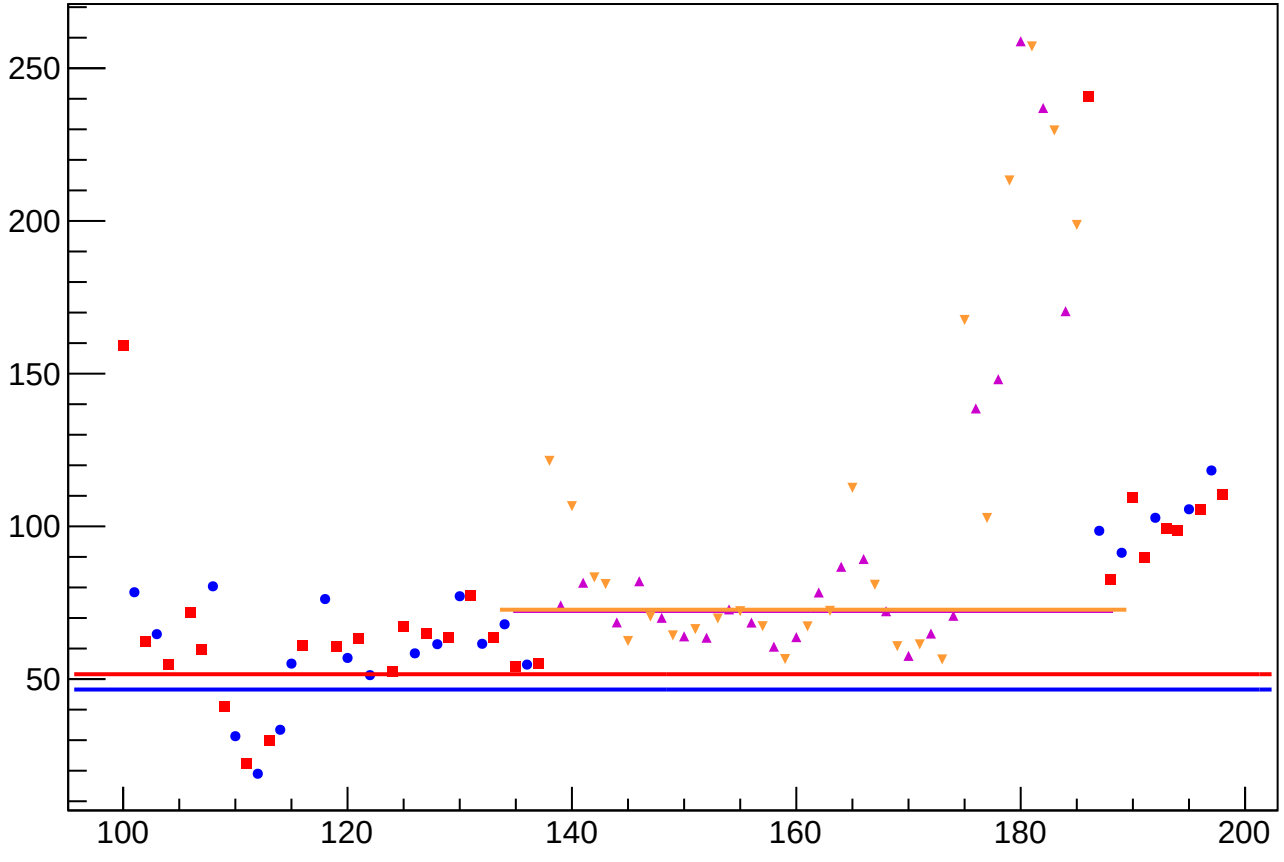
Right: 0.018+/-0.012 χ^2/NDF: 60.9/47

In: 0.029+/-0.012 χ^2/NDF:48.5/43

Out: -0.011+/-0.012 χ^2/NDF:54.5/51

All: 0.009+/-0.009 χ^2/NDF: 108.3/95

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.579+/-0.012 χ^2/NDF: 5141596.9/20

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 51.590+/-0.012 χ^2/NDF: 5079432.6/26

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

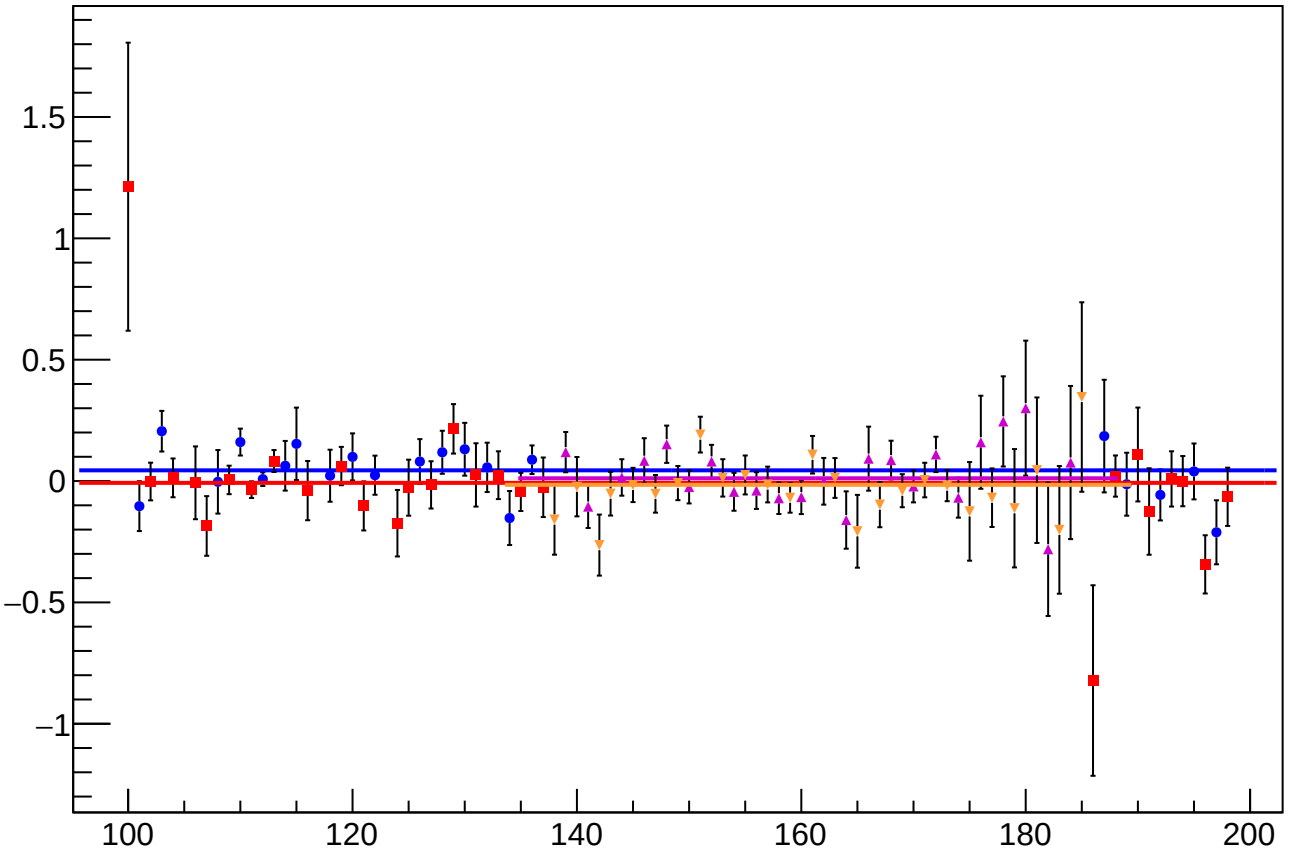
Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

Right: 49.140+/-0.008 χ^2/NDF: 10310027.4/47

In: 58.511+/-0.009 χ^2/NDF:10059971.6/43

Out: 61.328+/-0.009 χ^2/NDF:10531913.7/51

All: 59.947+/-0.006 χ^2/NDF: 20644235.0/95



Right In: 0.044+/-0.017 χ^2/NDF: 23.4/20

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.007+/-0.017 χ^2/NDF: 32.8/26

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

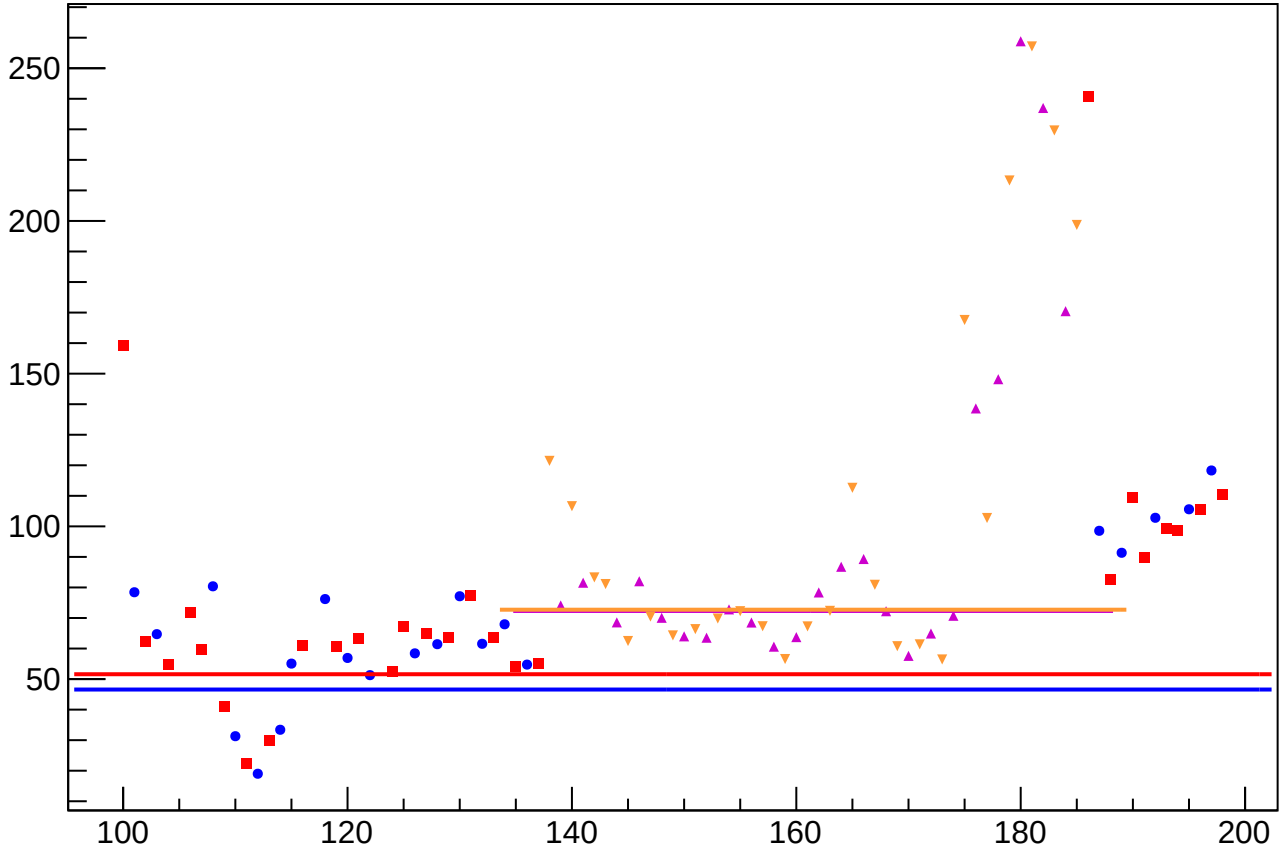
Right: 0.018+/-0.012 χ^2/NDF: 60.9/47

In: 0.029+/-0.012 χ^2/NDF:48.5/43

Out: -0.011+/-0.012 χ^2/NDF:54.5/51

All: 0.009+/-0.009 χ^2/NDF: 108.3/95

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.579+/-0.012 χ^2/NDF: 5141596.9/20

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 51.590+/-0.012 χ^2/NDF: 5079432.6/26

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

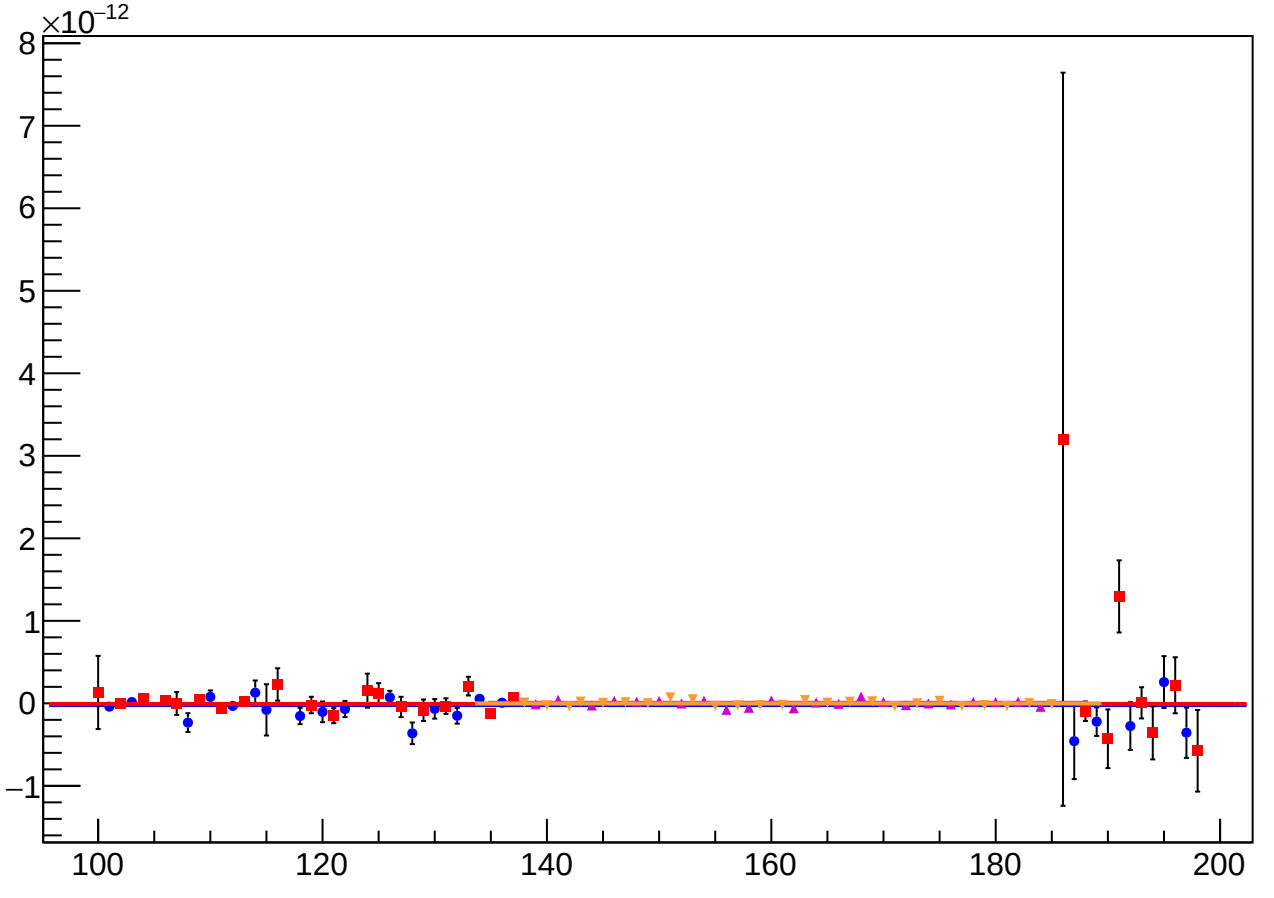
Right: 49.140+/-0.008 χ^2/NDF: 10310027.4/47

In: 58.511+/-0.009 χ^2/NDF:10059971.6/43

Out: 61.328+/-0.009 χ^2/NDF:10531913.7/51

All: 59.947+/-0.006 χ^2/NDF: 20644235.0/95

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 28.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.6/26

Left In: 0.000+/-0.000 χ^2/NDF:38.3/22

Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

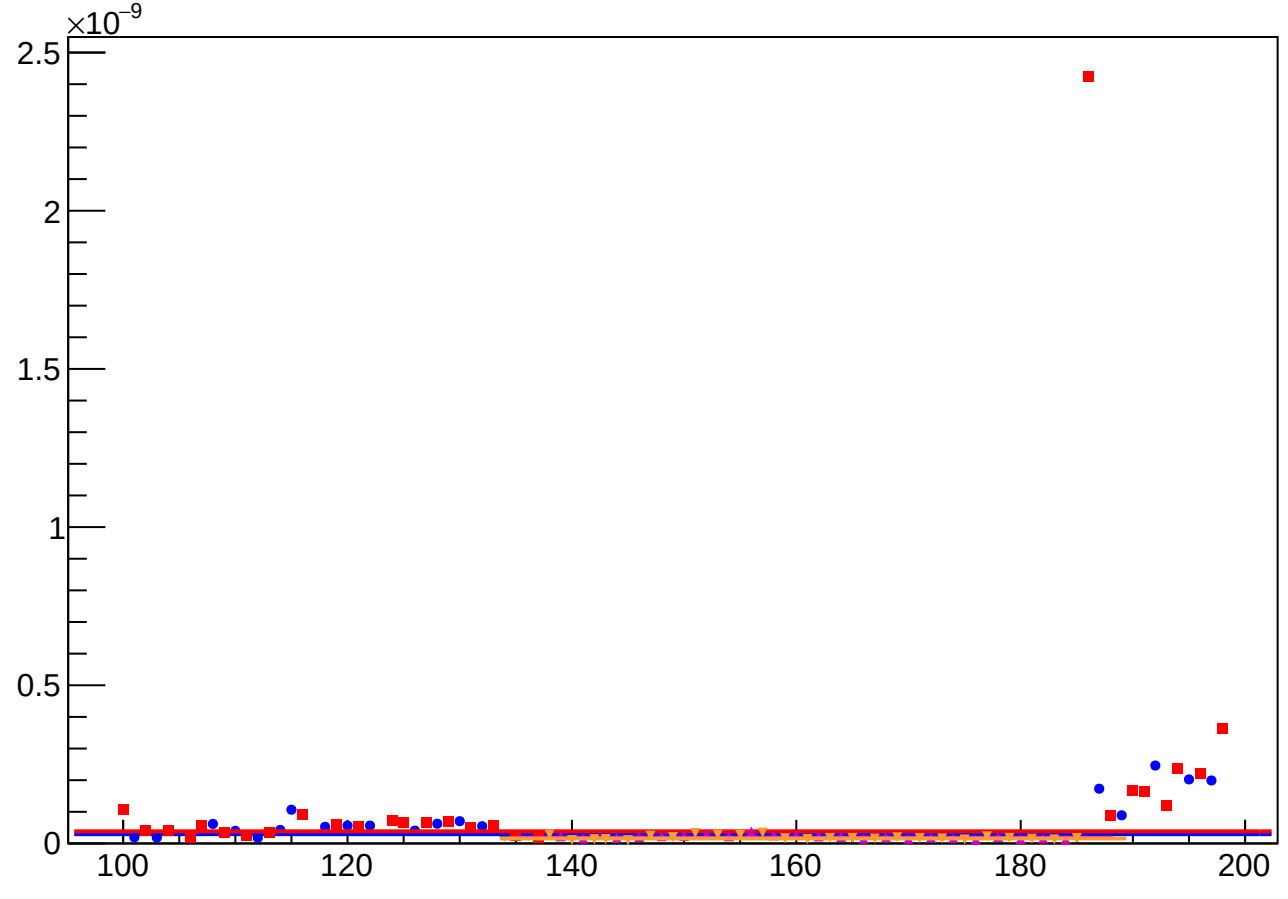
Right: -0.000+/-0.000 χ^2/NDF: 66.1/47

In: 0.000+/-0.000 χ^2/NDF:69.5/43

Out: -0.000+/-0.000 χ^2/NDF:65.7/51

All: 0.000+/-0.000 χ^2/NDF: 135.6/95

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4613162.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5710979.9/26

Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

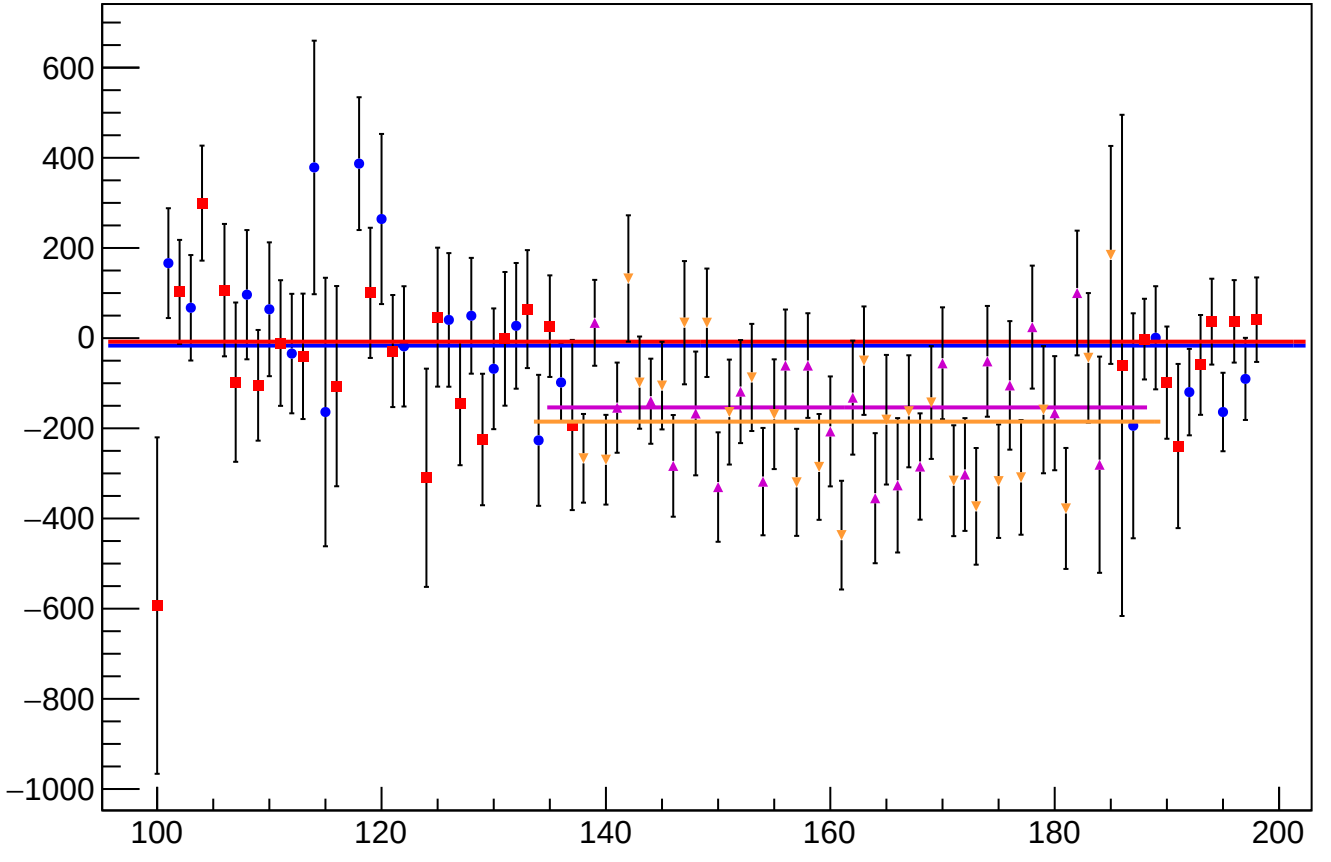
Right: 0.000+/-0.000 χ^2/NDF: 10664872.8/47

In: 0.000+/-0.000 χ^2/NDF:7310273.3/43

Out: 0.000+/-0.000 χ^2/NDF:11534886.1/51

All: 0.000+/-0.000 χ^2/NDF: 19029796.5/95

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -16.463+/-27.761 χ^2/NDF: 24.5/20

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: -7.825+/-25.454 χ^2/NDF: 20.9/26

Left In: -153.627+/-25.538 χ^2/NDF:23.5/22

Left: -170.071+/-17.662 χ^2/NDF: 57.4/47

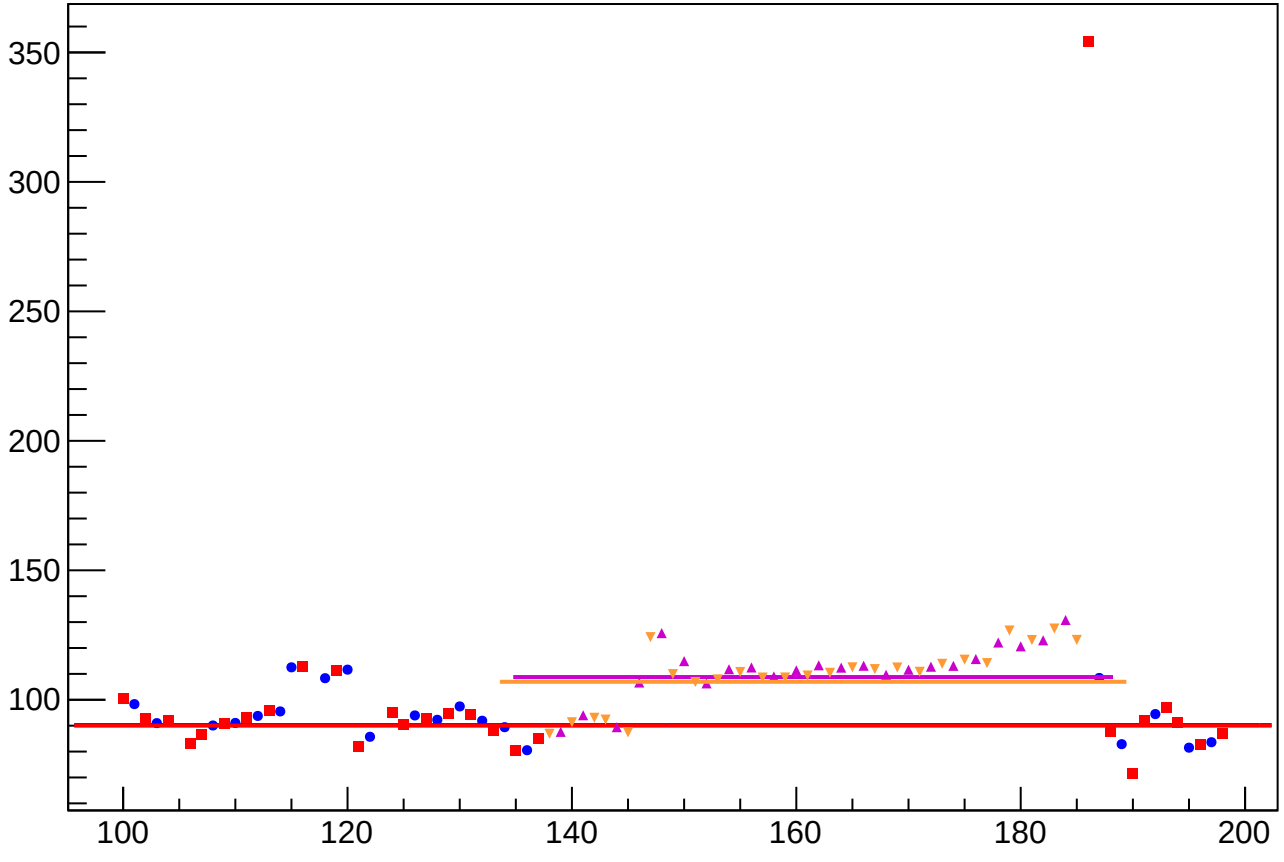
Right: -11.770+/-18.761 χ^2/NDF: 45.5/47

In: -90.755+/-18.795 χ^2/NDF:61.3/43

Out: -100.043+/-17.634 χ^2/NDF:79.2/51

All: -95.695+/-12.860 χ^2/NDF: 140.6/95

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 90.223+/-0.020 χ^2/NDF: 167835.5/20

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 90.033+/-0.018 χ^2/NDF: 629092.9/26

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

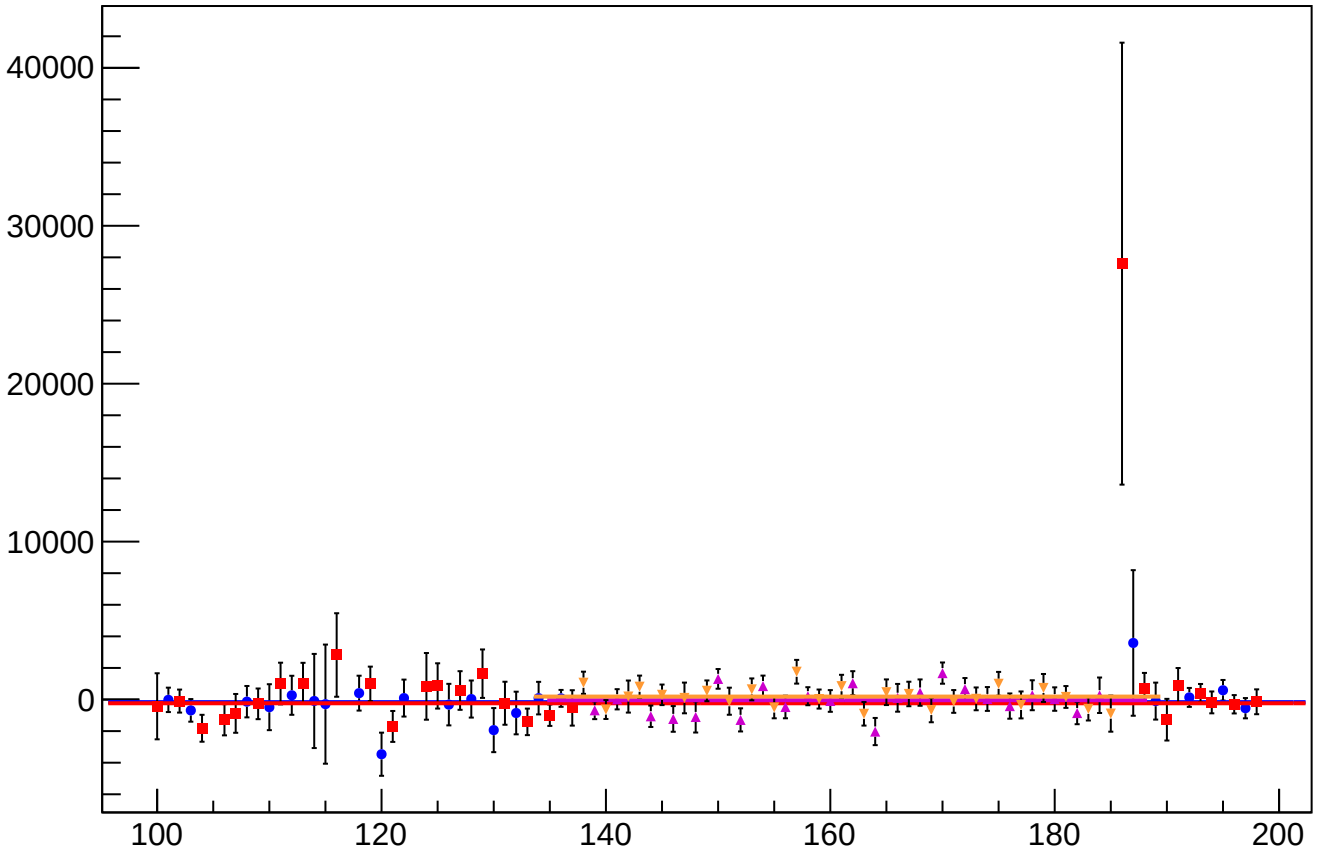
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 90.120+/-0.013 χ^2/NDF: 796979.1/47

In: 100.274+/-0.013 χ^2/NDF:1010367.0/43

Out: 98.833+/-0.012 χ^2/NDF:1553014.4/51

All: 99.508+/-0.009 χ^2/NDF: 2569636.0/95



Right In: -164.803+/-207.740 χ^2/NDF: 11.7/20

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: -237.017+/-187.865 χ^2/NDF: 25.5/26

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

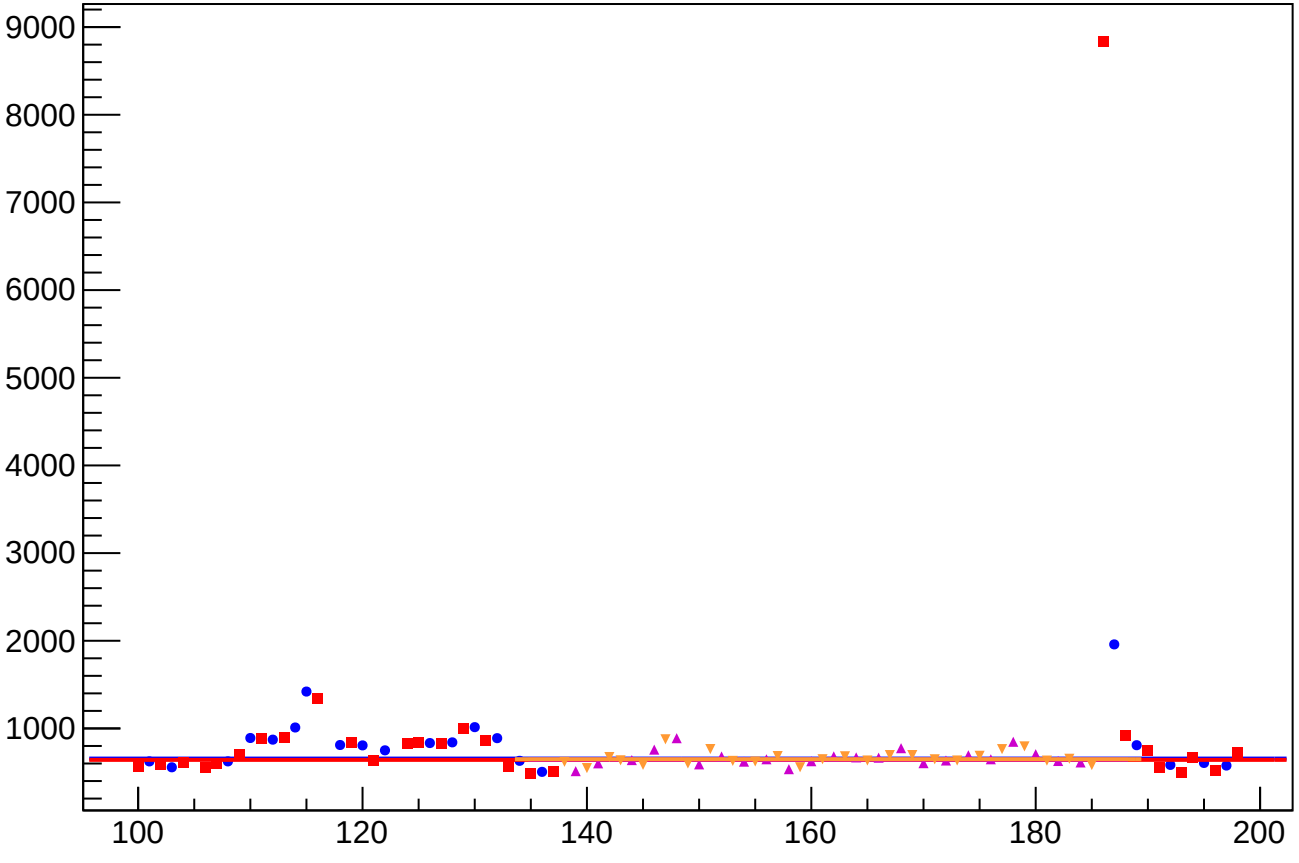
Right: -204.529+/-139.339 χ^2/NDF: 37.3/47

In: -85.655+/-122.701 χ^2/NDF:45.6/43

Out: 23.179+/-116.653 χ^2/NDF:47.7/51

All: -28.490+/-84.543 χ^2/NDF: 93.7/95

asym_sam_15_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 656.166+/-0.147 χ^2/NDF: 1048602.4/20

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 641.516+/-0.133 χ^2/NDF: 1908139.5/26

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

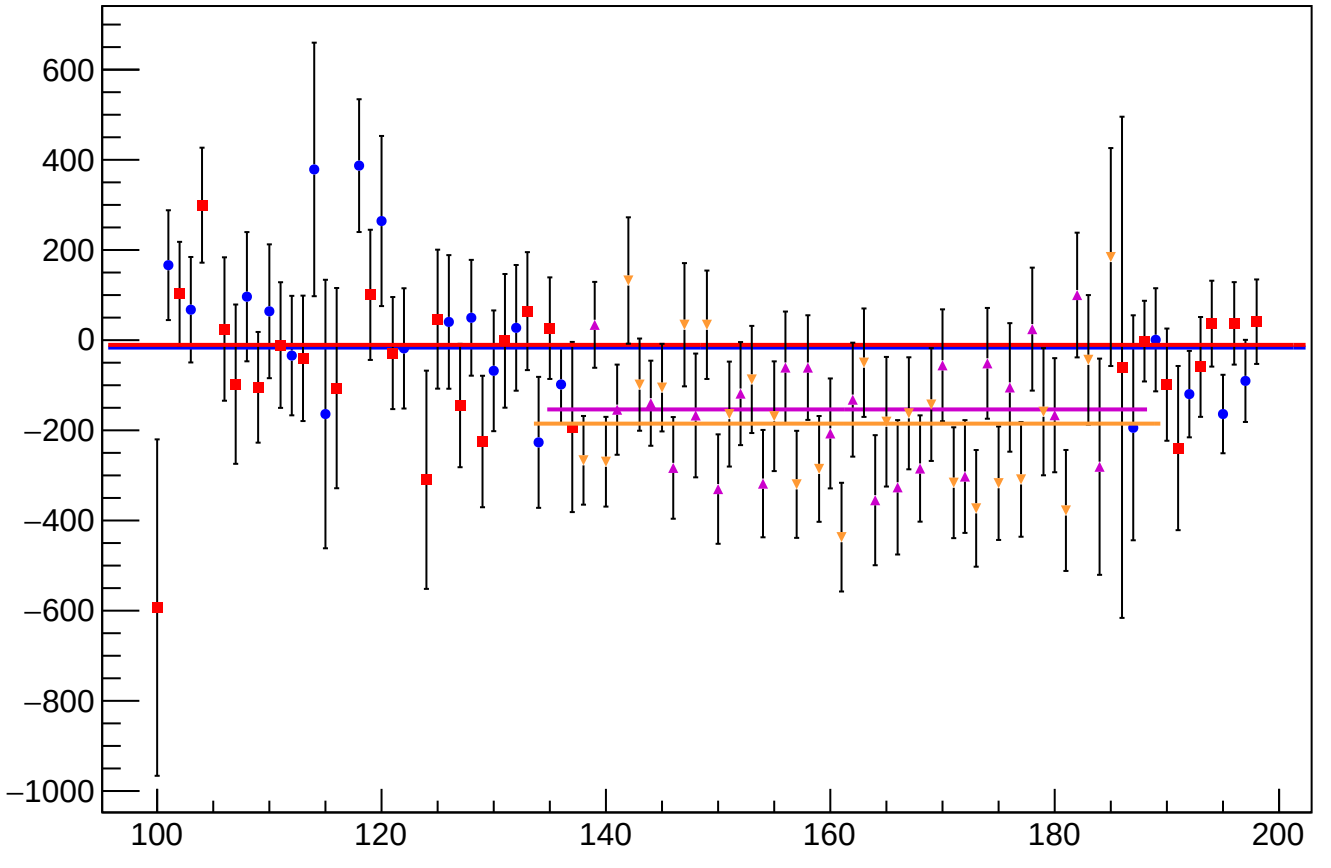
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 648.107+/-0.099 χ^2/NDF: 2962213.3/47

In: 648.291+/-0.087 χ^2/NDF:1612135.8/43

Out: 646.231+/-0.082 χ^2/NDF:2328554.0/51

All: 647.209+/-0.060 χ^2/NDF: 3940986.0/95



Right In: -16.454+/-27.761 χ^2/NDF: 24.5/20

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -10.436+/-25.511 χ^2/NDF: 20.3/26

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

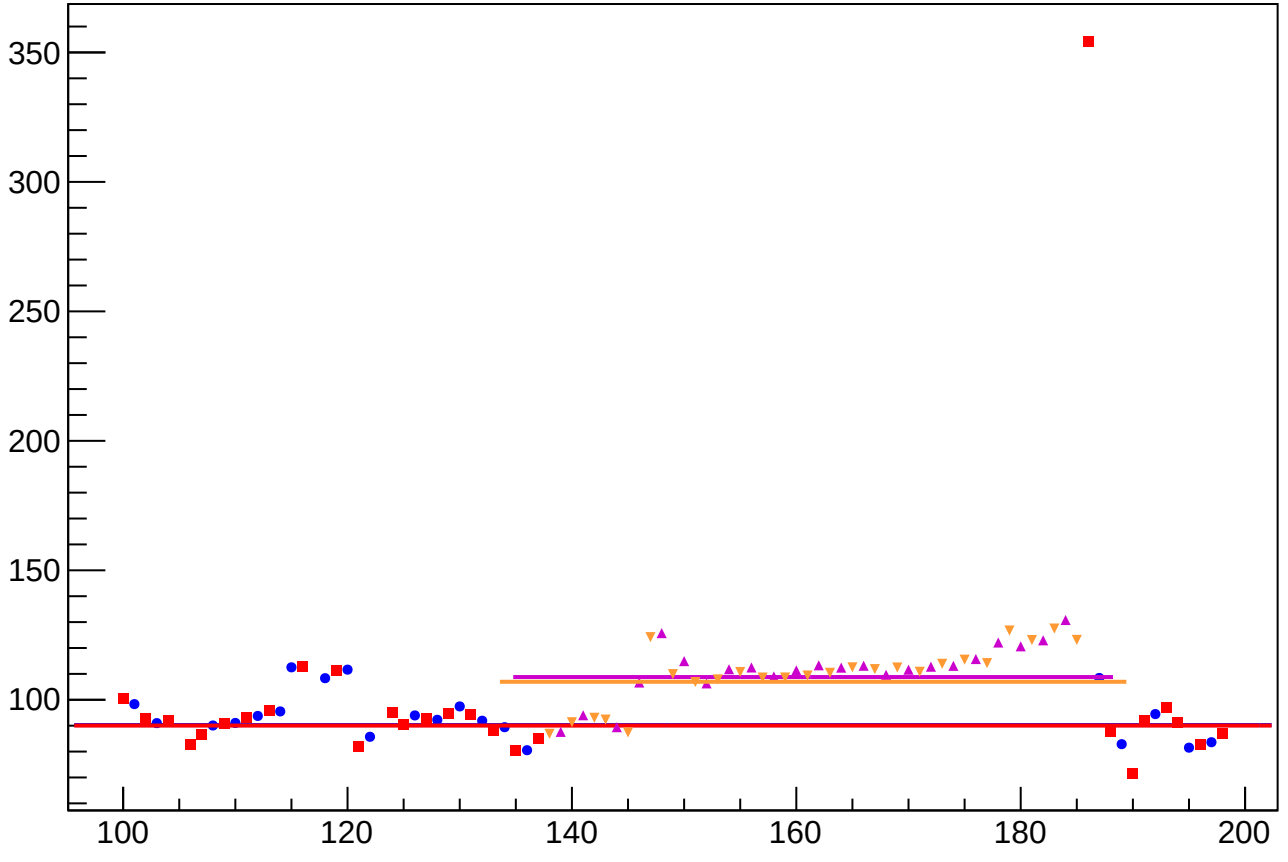
Right: -13.192+/-18.784 χ^2/NDF: 44.9/47

In: -90.754+/-18.795 χ^2/NDF:61.3/43

Out: -101.492+/-17.653 χ^2/NDF:77.8/51

All: -96.459+/-12.867 χ^2/NDF: 139.2/95

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 90.223+/-0.020 χ^2/NDF: 167835.5/20

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 90.049+/-0.018 χ^2/NDF: 629066.3/26

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

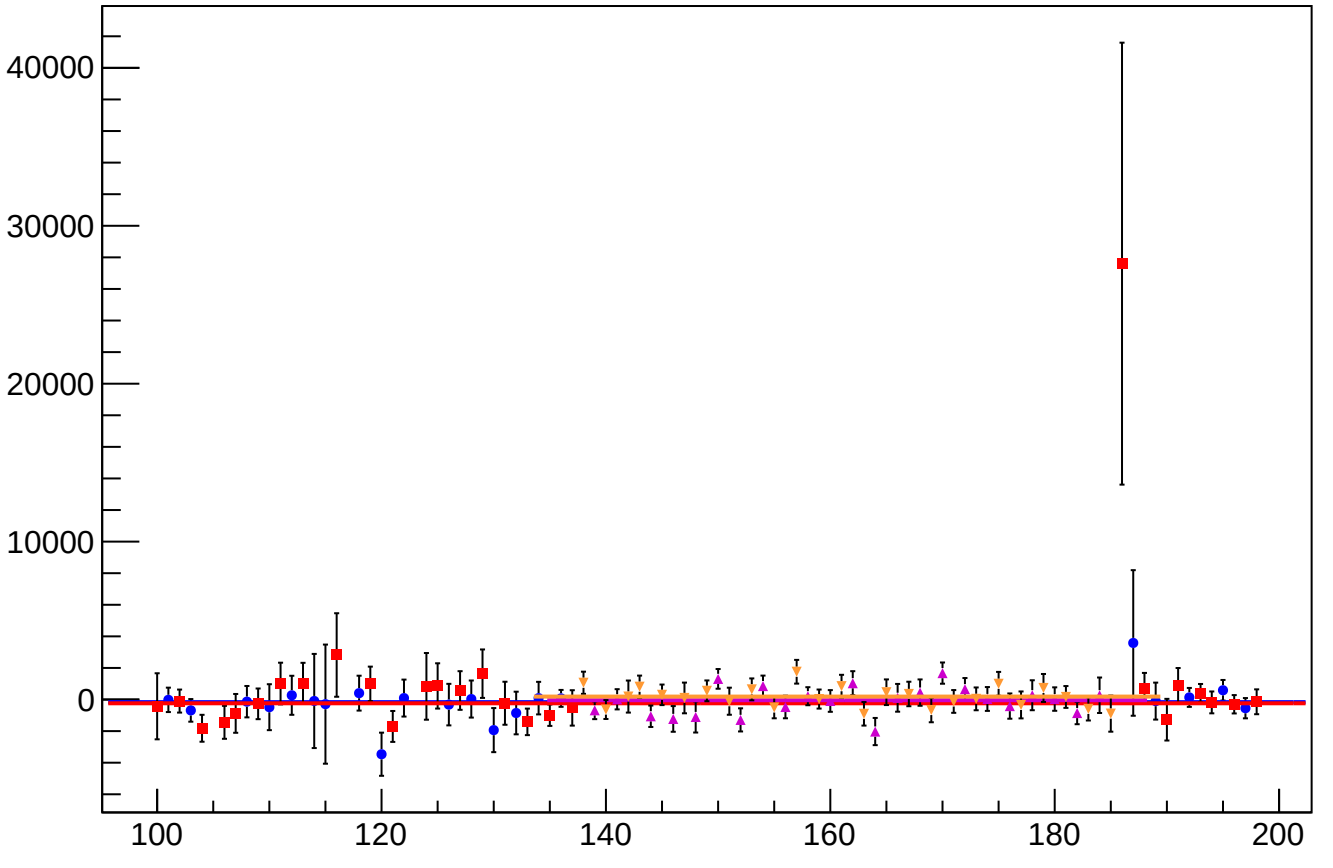
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 90.129+/-0.013 χ^2/NDF: 796944.0/47

In: 100.274+/-0.013 χ^2/NDF:1010367.0/43

Out: 98.860+/-0.012 χ^2/NDF:1551028.2/51

All: 99.523+/-0.009 χ^2/NDF: 2567414.0/95



Right In: -164.799+/-207.740 χ^2/NDF: 11.7/20

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -238.326+/-188.221 χ^2/NDF: 25.7/26

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

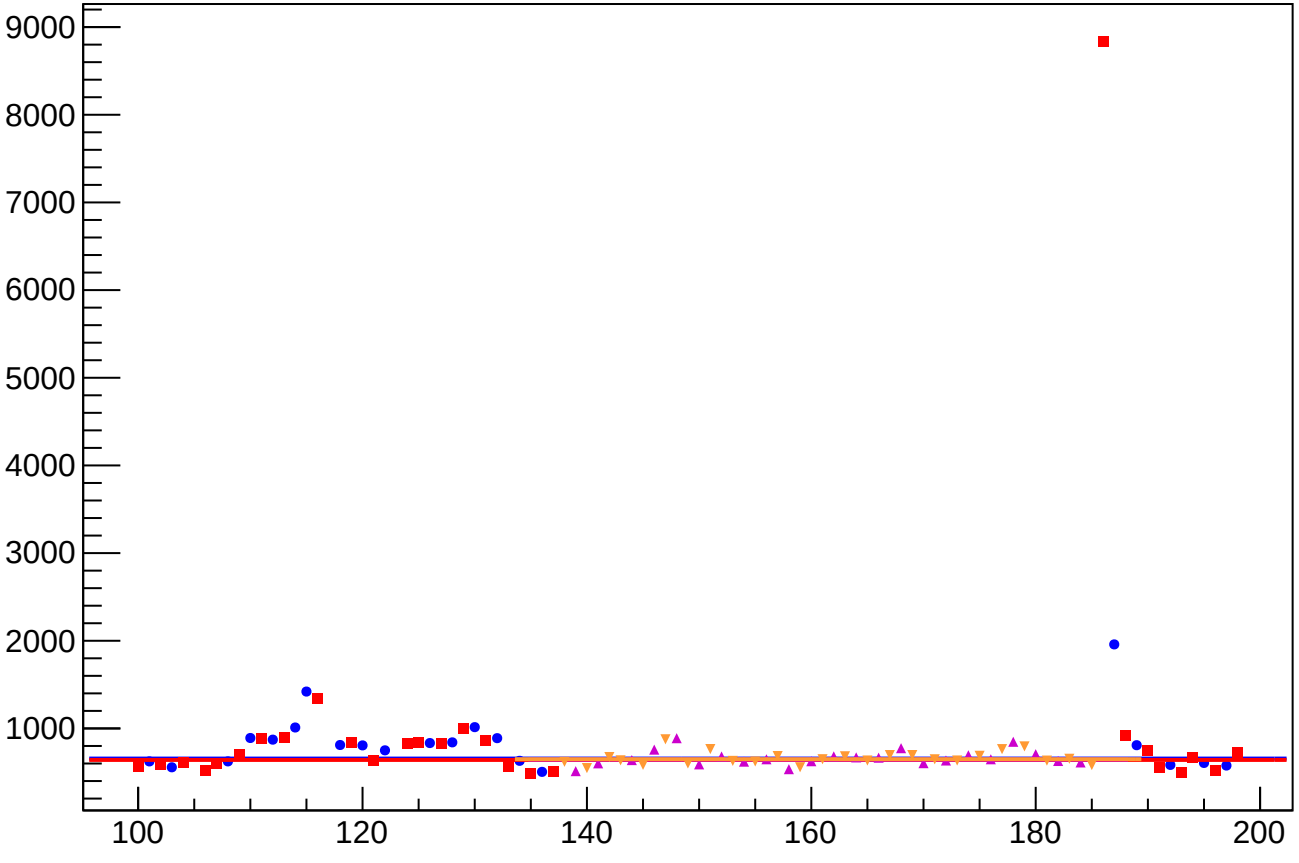
Right: -205.179+/-139.484 χ^2/NDF: 37.5/47

In: -85.655+/-122.701 χ^2/NDF:45.6/43

Out: 23.050+/-116.738 χ^2/NDF:47.9/51

All: -28.597+/-84.576 χ^2/NDF: 94.0/95

asym_sam_15_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 656.166+/-0.147 χ^2/NDF: 1048602.8/20

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 640.954+/-0.133 χ^2/NDF: 1917112.1/26

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

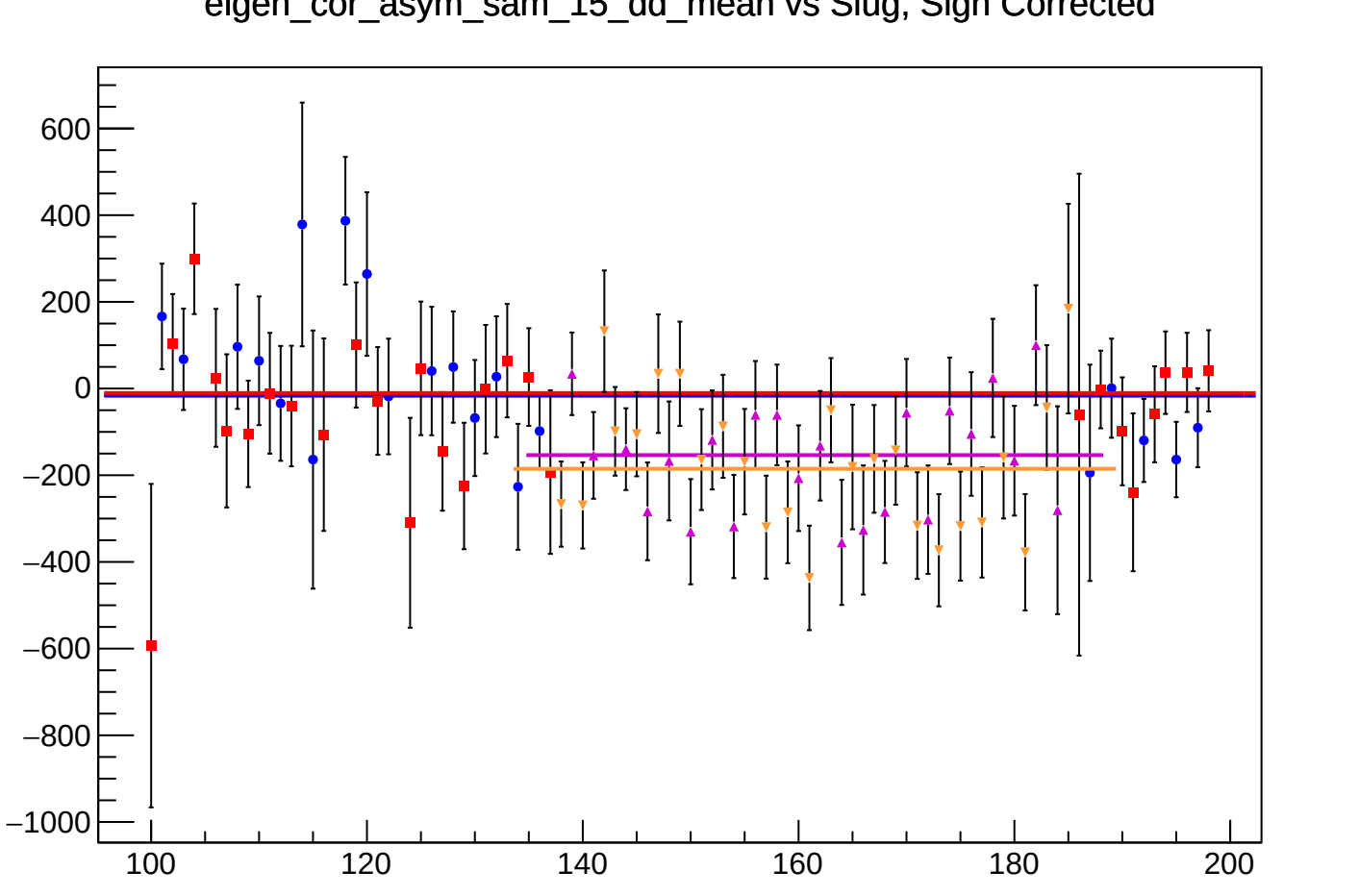
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 647.812+/-0.099 χ^2/NDF: 2971604.3/47

In: 648.291+/-0.087 χ^2/NDF:1612137.1/43

Out: 646.021+/-0.083 χ^2/NDF:2337833.5/51

All: 647.100+/-0.060 χ^2/NDF: 3950329.8/95



Right In: -16.454+/-27.761 χ^2/NDF: 24.5/20

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -10.436+/-25.511 χ^2/NDF: 20.3/26

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

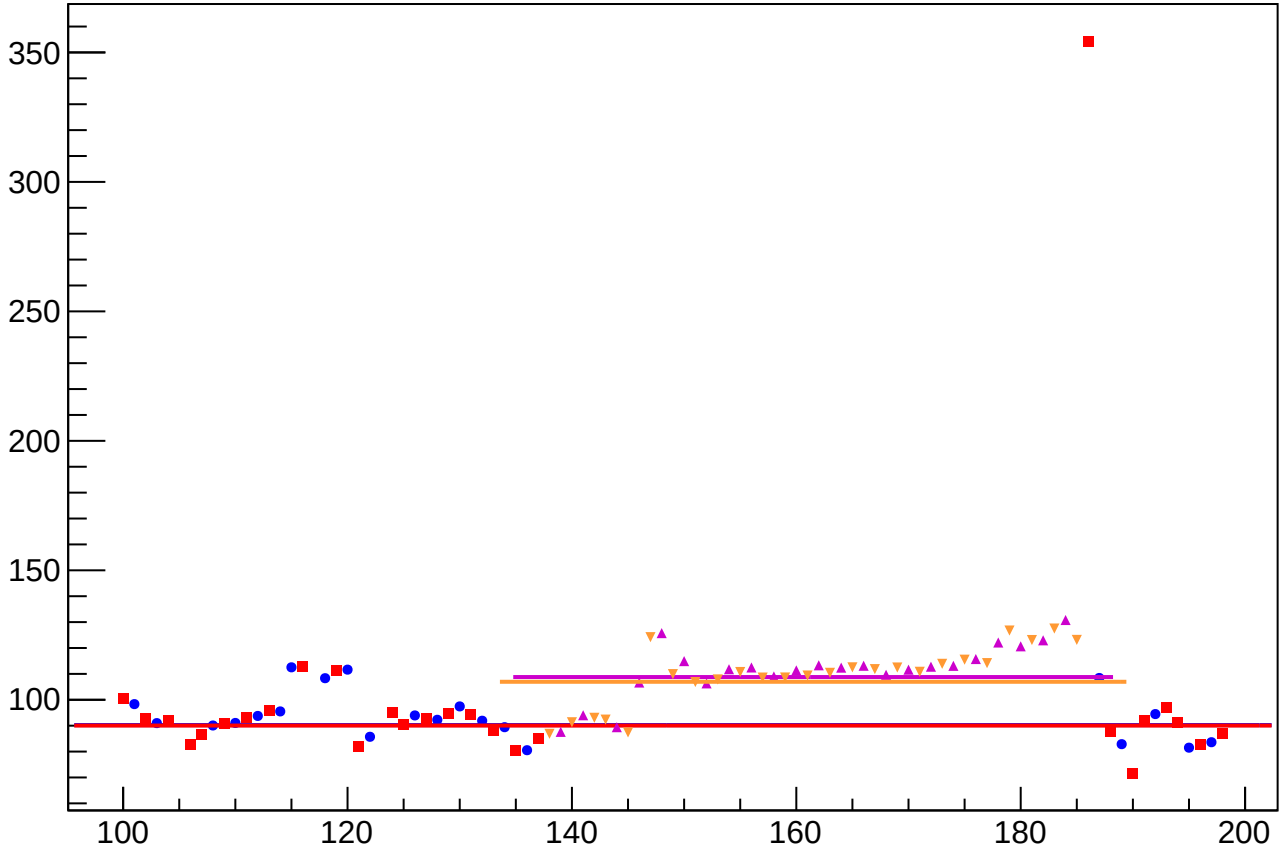
Right: -13.192+/-18.784 χ^2/NDF: 44.9/47

In: -90.754+/-18.795 χ^2/NDF:61.3/43

Out: -101.492+/-17.653 χ^2/NDF:77.8/51

All: -96.459+/-12.867 χ^2/NDF: 139.2/95

eigen_cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 90.223+/-0.020 χ^2/NDF: 167835.5/20

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 90.049+/-0.018 χ^2/NDF: 629066.3/26

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

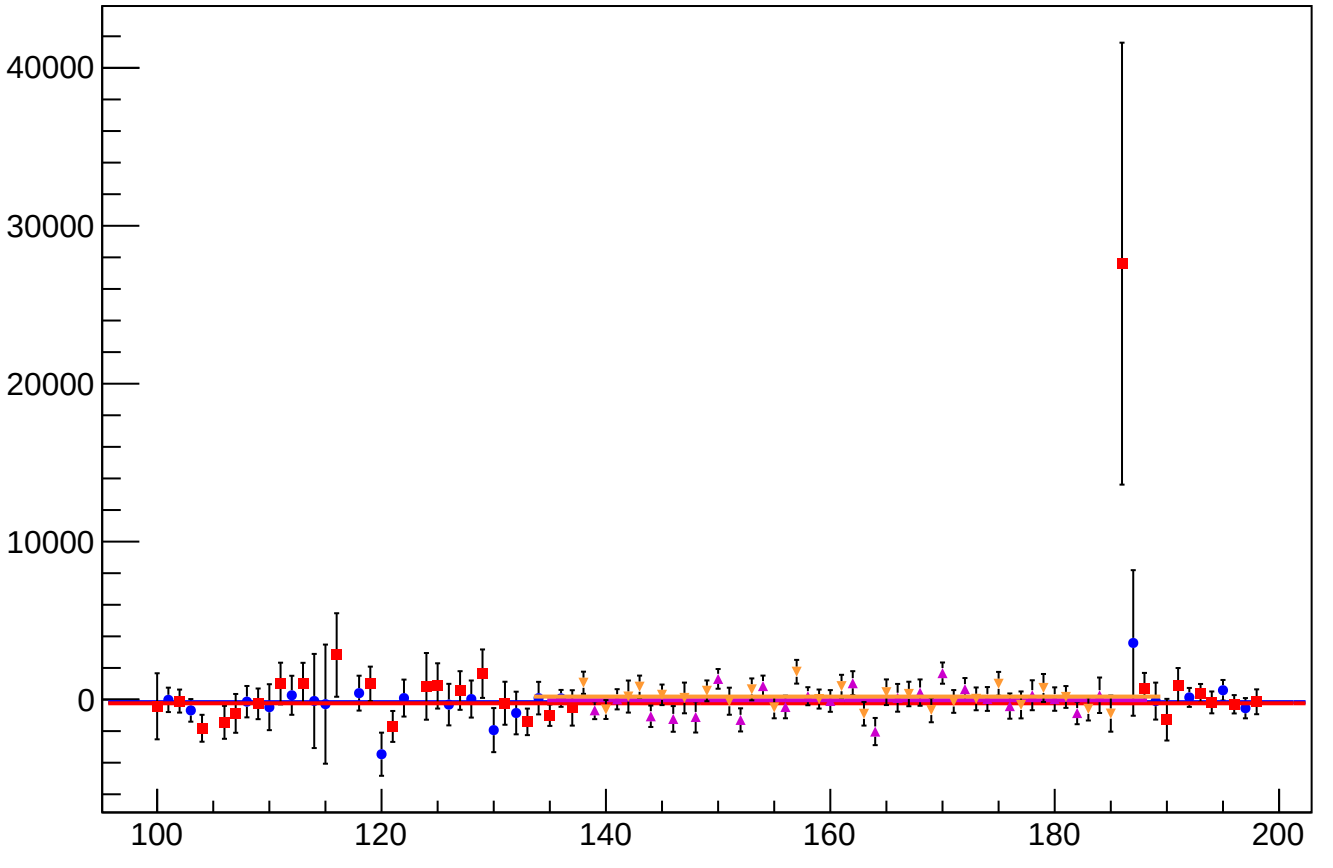
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 90.129+/-0.013 χ^2/NDF: 796944.0/47

In: 100.274+/-0.013 χ^2/NDF:1010367.0/43

Out: 98.860+/-0.012 χ^2/NDF:1551028.2/51

All: 99.523+/-0.009 χ^2/NDF: 2567414.0/95



Right In: -164.799+/-207.740 χ^2/NDF: 11.7/20

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -238.326+/-188.221 χ^2/NDF: 25.7/26

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

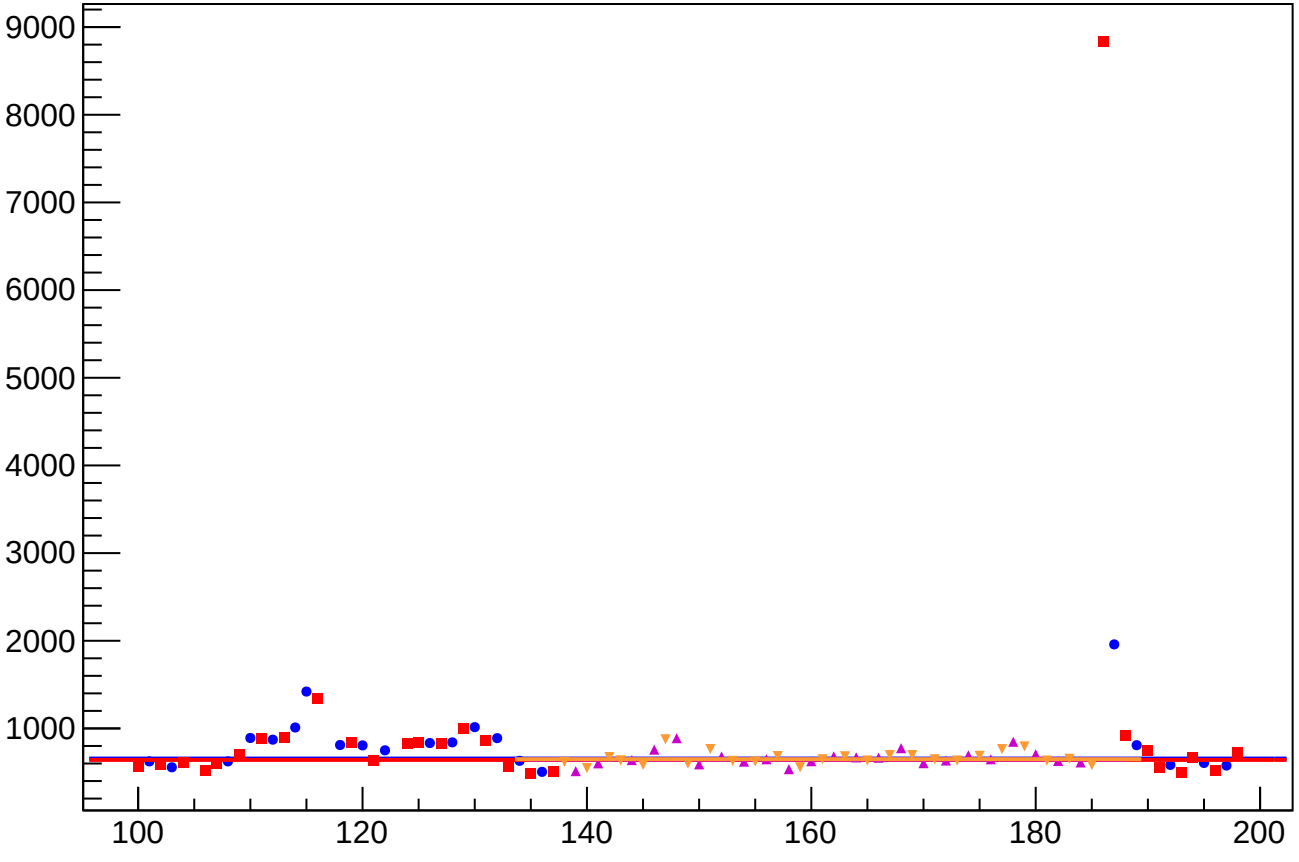
Right: -205.179+/-139.484 χ^2/NDF: 37.5/47

In: -85.655+/-122.701 χ^2/NDF:45.6/43

Out: 23.050+/-116.738 χ^2/NDF:47.9/51

All: -28.597+/-84.576 χ^2/NDF: 94.0/95

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 656.166+/-0.147 χ^2/NDF: 1048602.8/20

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 640.954+/-0.133 χ^2/NDF: 1917112.1/26

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

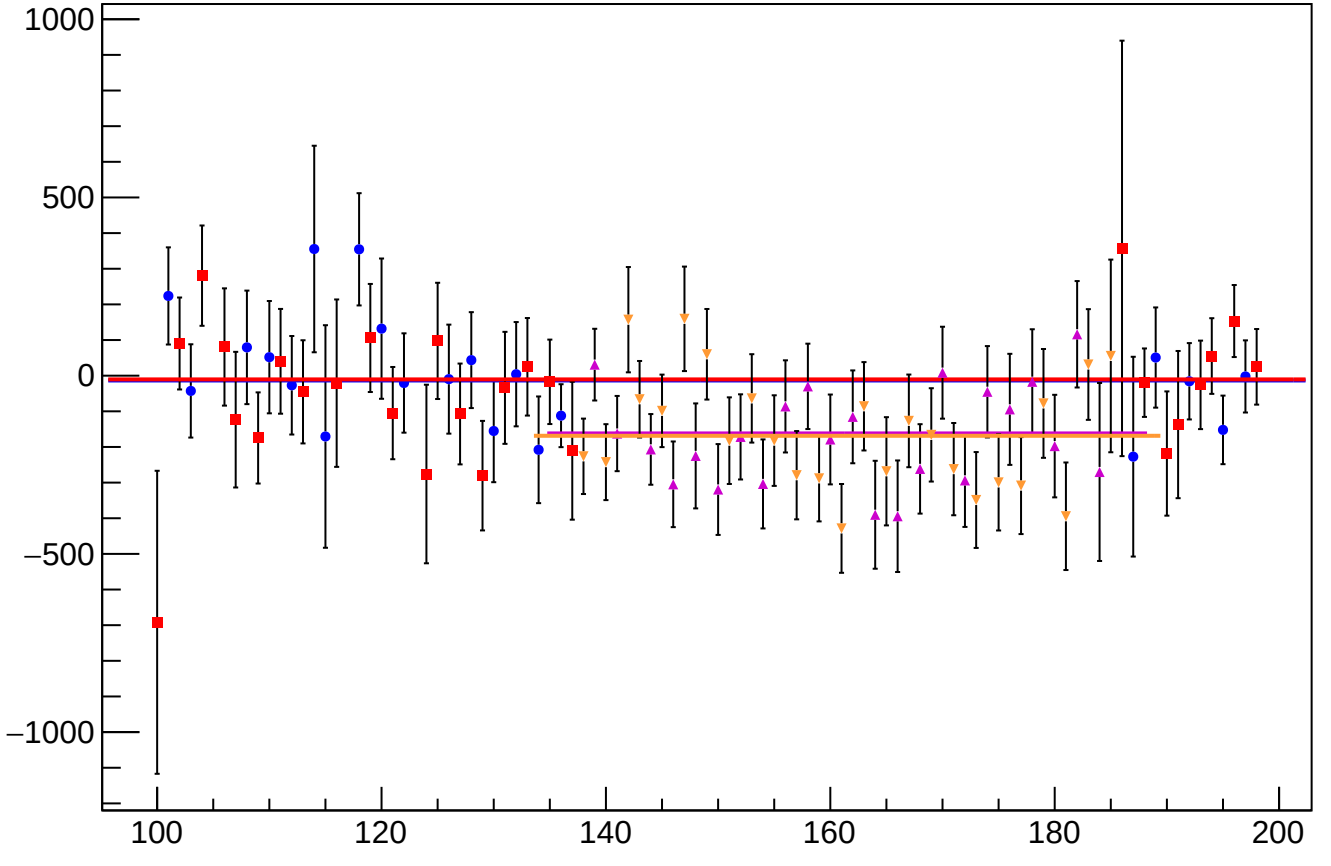
Right: 647.812+/-0.099 χ^2/NDF: 2971604.3/47

In: 648.291+/-0.087 χ^2/NDF:1612137.1/43

Out: 646.021+/-0.083 χ^2/NDF:2337833.5/51

All: 647.100+/-0.060 χ^2/NDF: 3950329.8/95

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -13.437+/-30.063 χ^2/NDF: 18.5/20

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: -10.464+/-27.700 χ^2/NDF: 22.7/26

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

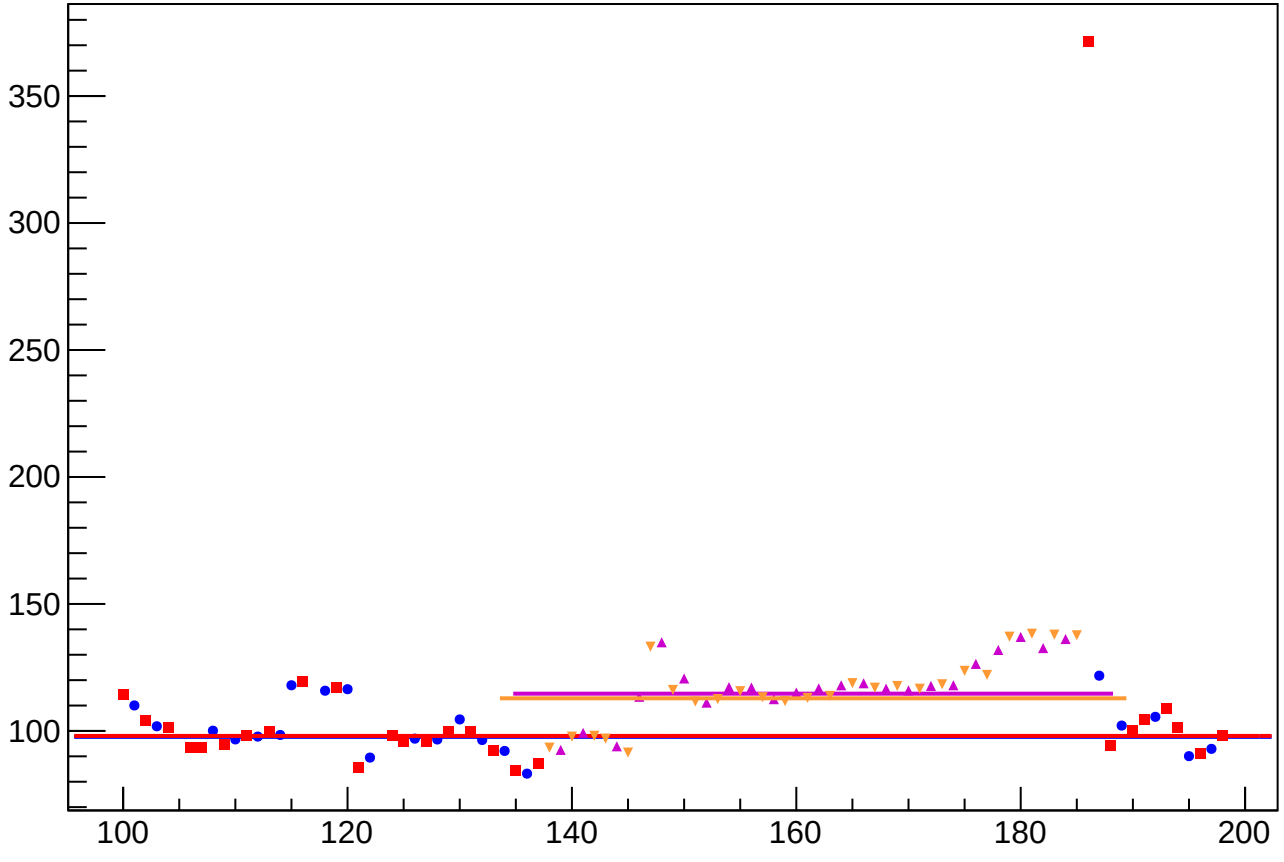
Right: -11.829+/-20.371 χ^2/NDF: 41.2/47

In: -95.829+/-20.066 χ^2/NDF:55.6/43

Out: -95.100+/-18.887 χ^2/NDF:72.5/51

All: -95.443+/-13.753 χ^2/NDF: 128.1/95

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.670+/-0.021 χ^2/NDF: 185114.2/20

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 98.034+/-0.020 χ^2/NDF: 588609.4/26

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

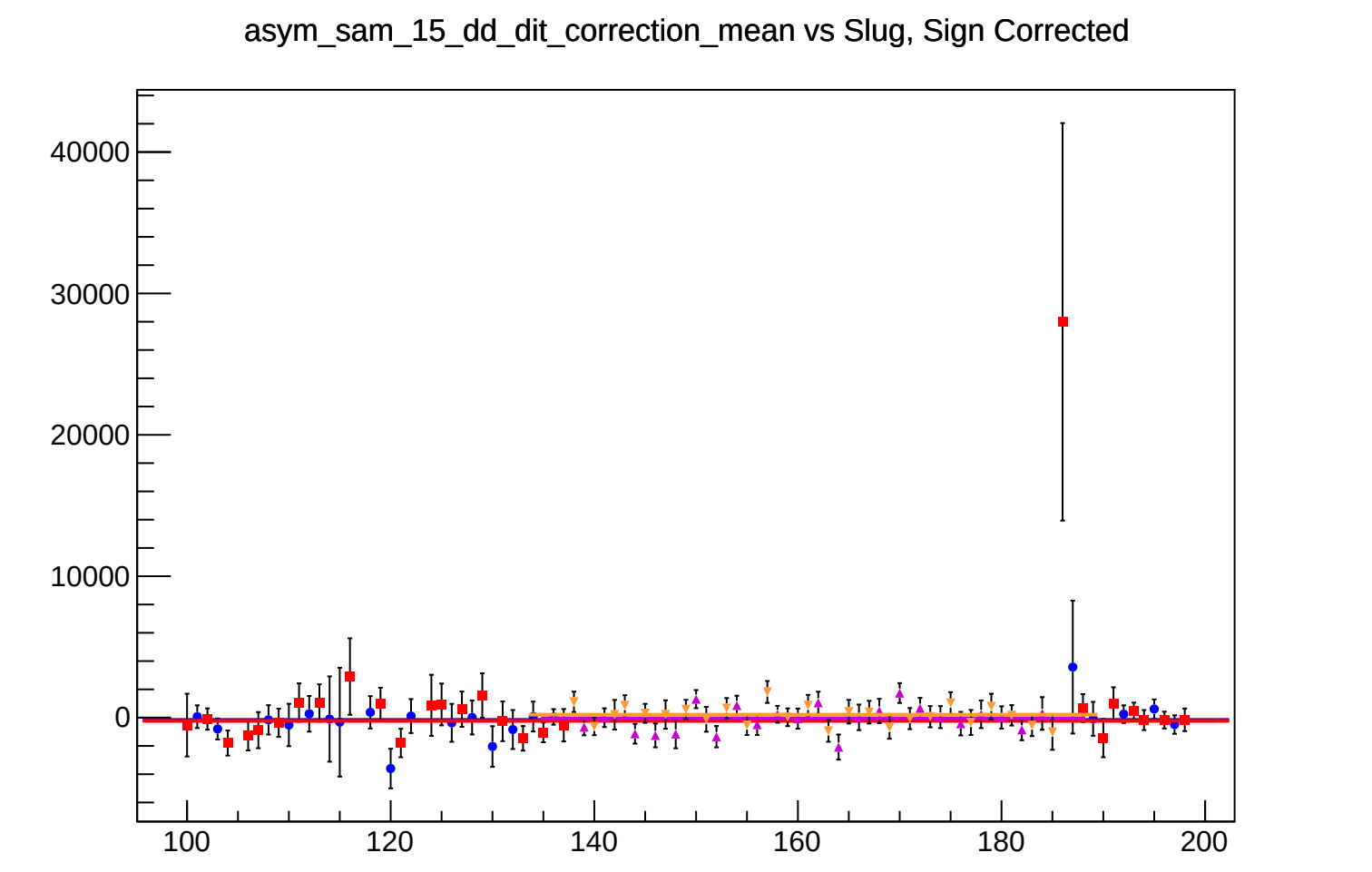
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 97.867+/-0.014 χ^2/NDF: 773881.8/47

In: 107.100+/-0.014 χ^2/NDF:949939.1/43

Out: 105.962+/-0.013 χ^2/NDF:1407031.1/51

All: 106.497+/-0.010 χ^2/NDF: 2360385.5/95



Right In: -159.292+/-214.023 χ^2/NDF: 12.1/20

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: -229.374+/-193.937 χ^2/NDF: 25.4/26

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

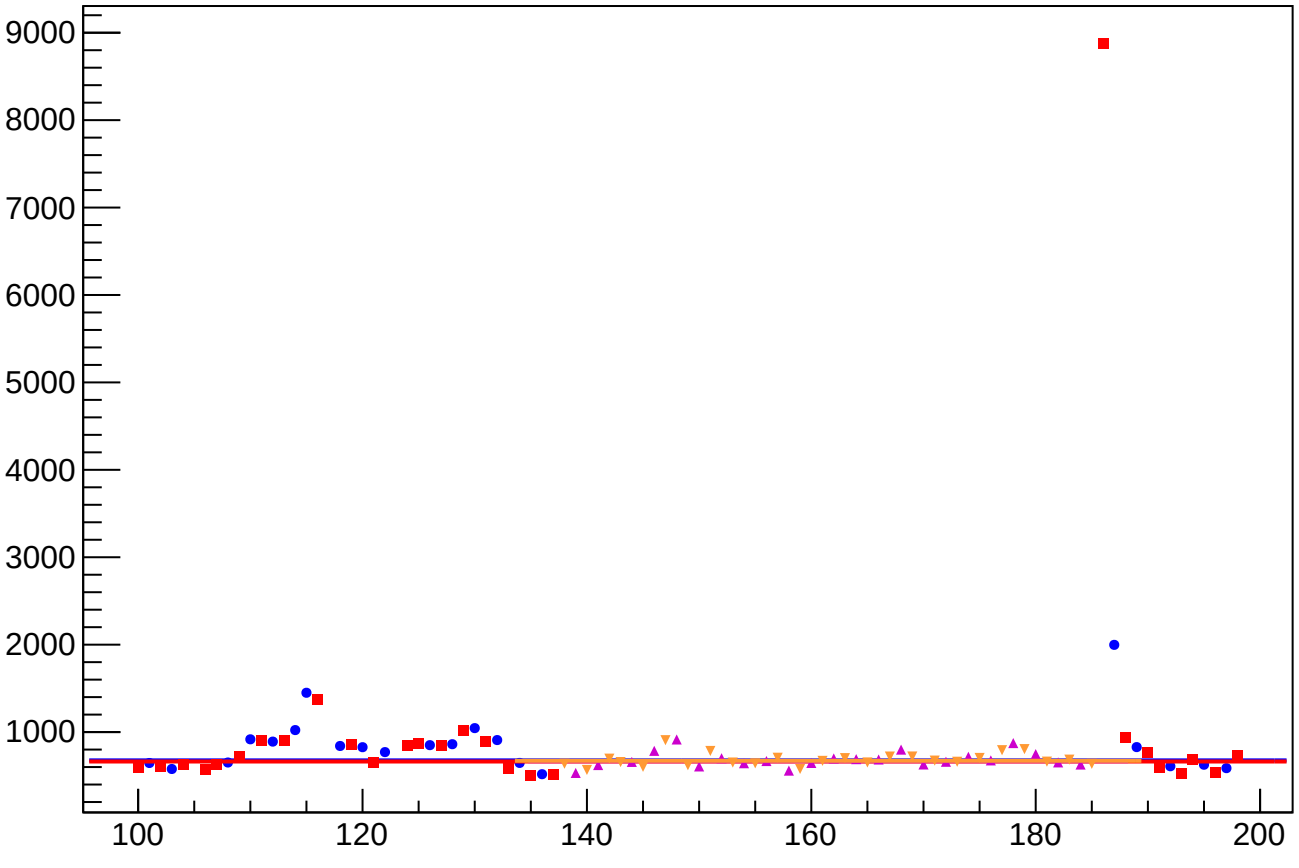
Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

Right: -197.775+/-143.712 χ^2/NDF: 37.6/47

In: -88.563+/-126.845 χ^2/NDF:45.6/43

Out: 39.808+/-120.566 χ^2/NDF:47.5/51

All: -21.121+/-87.389 χ^2/NDF: 93.6/95



Right In: 676.627+/-0.151 χ^2/NDF: 1030478.9/20

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 663.449+/-0.137 χ^2/NDF: 1844559.6/26

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

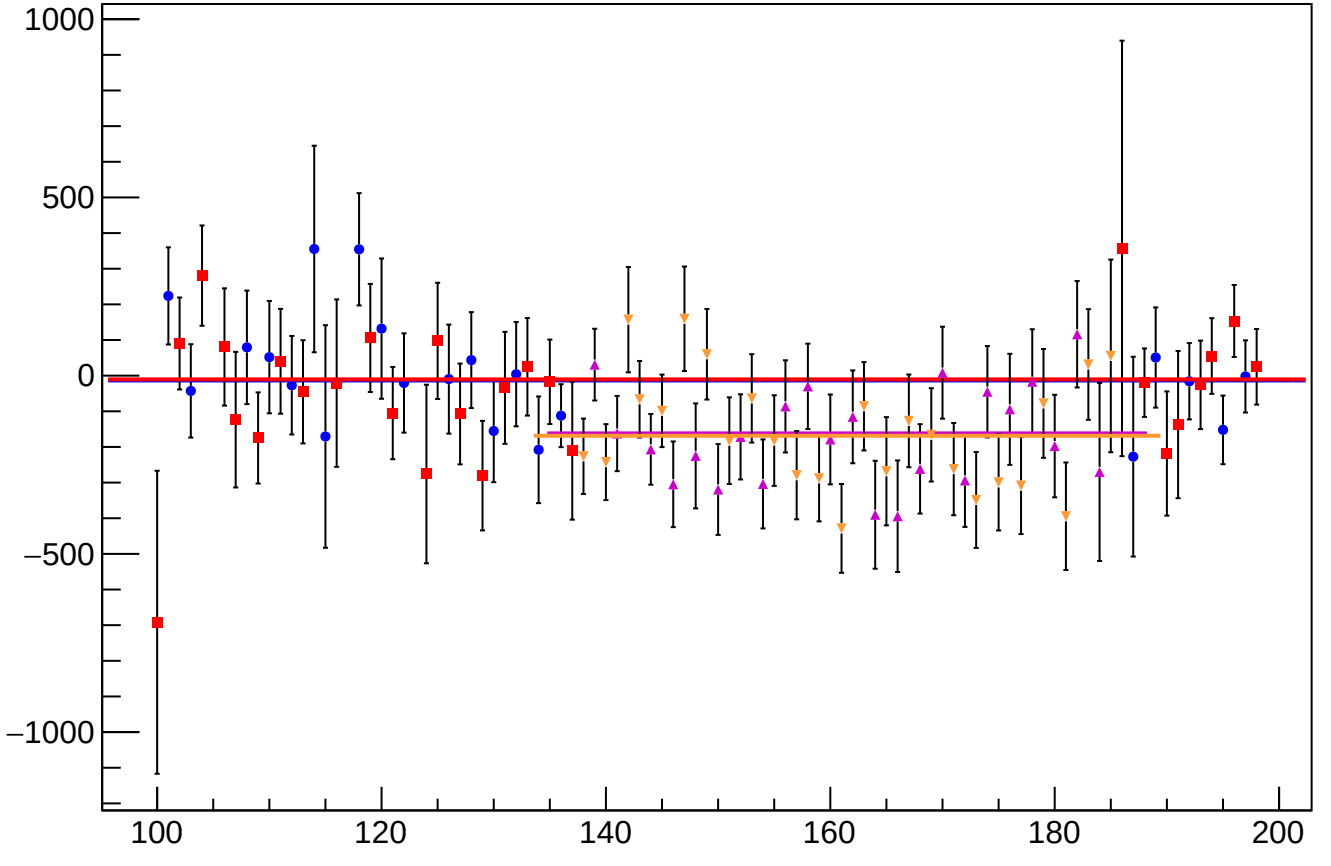
Right: 669.391+/-0.102 χ^2/NDF: 2879202.3/47

In: 670.603+/-0.090 χ^2/NDF:1579825.0/43

Out: 668.602+/-0.085 χ^2/NDF:2246021.3/51

All: 669.552+/-0.062 χ^2/NDF: 3826107.7/95

eigen_dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -13.437+/-30.063 χ^2/NDF: 18.5/20

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: -10.464+/-27.700 χ^2/NDF: 22.7/26

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

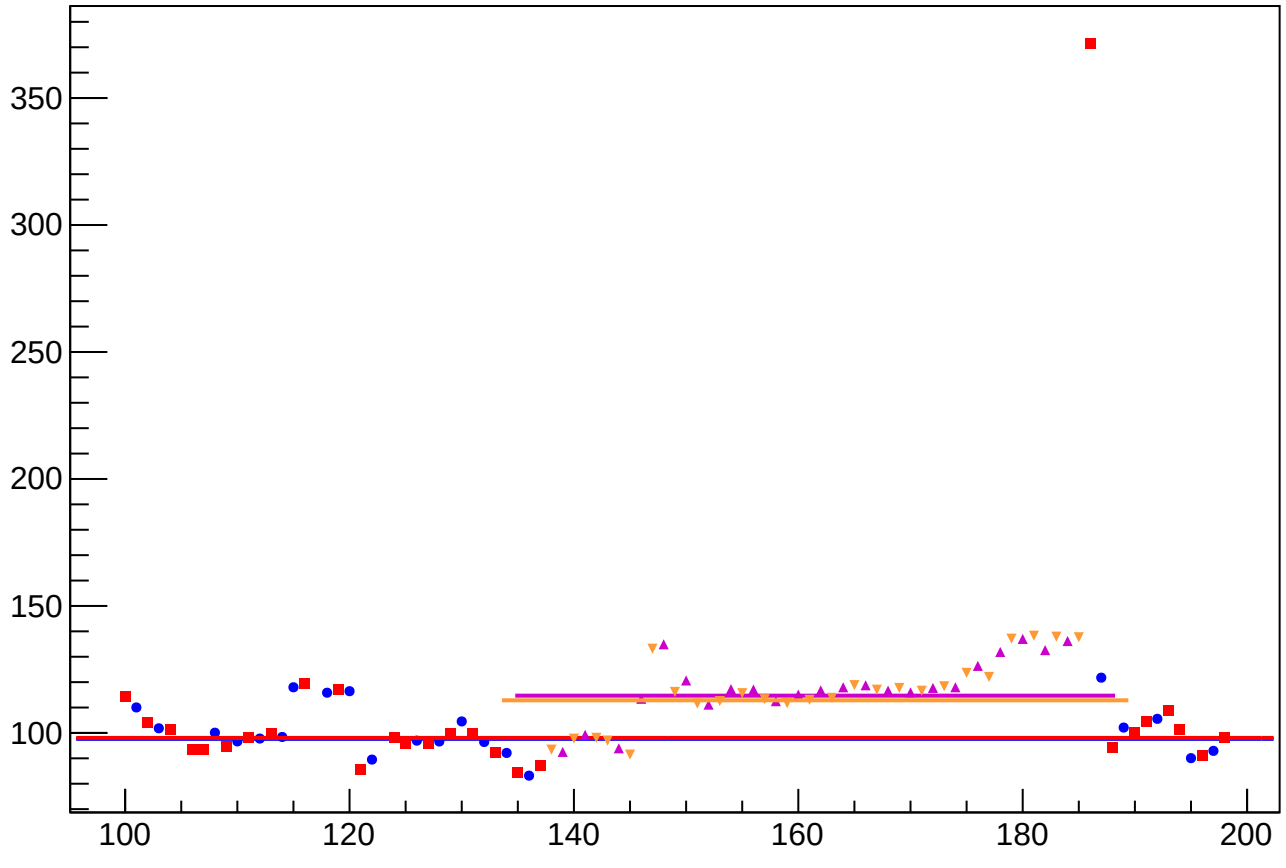
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -11.829+/-20.371 χ^2/NDF: 41.2/47

In: -95.829+/-20.066 χ^2/NDF:55.6/43

Out: -95.100+/-18.887 χ^2/NDF:72.5/51

All: -95.442+/-13.753 χ^2/NDF: 128.1/95



Right In: 97.670+/-0.021 χ^2/NDF: 185117.7/20

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

Right Out: 98.034+/-0.020 χ^2/NDF: 588608.2/26

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

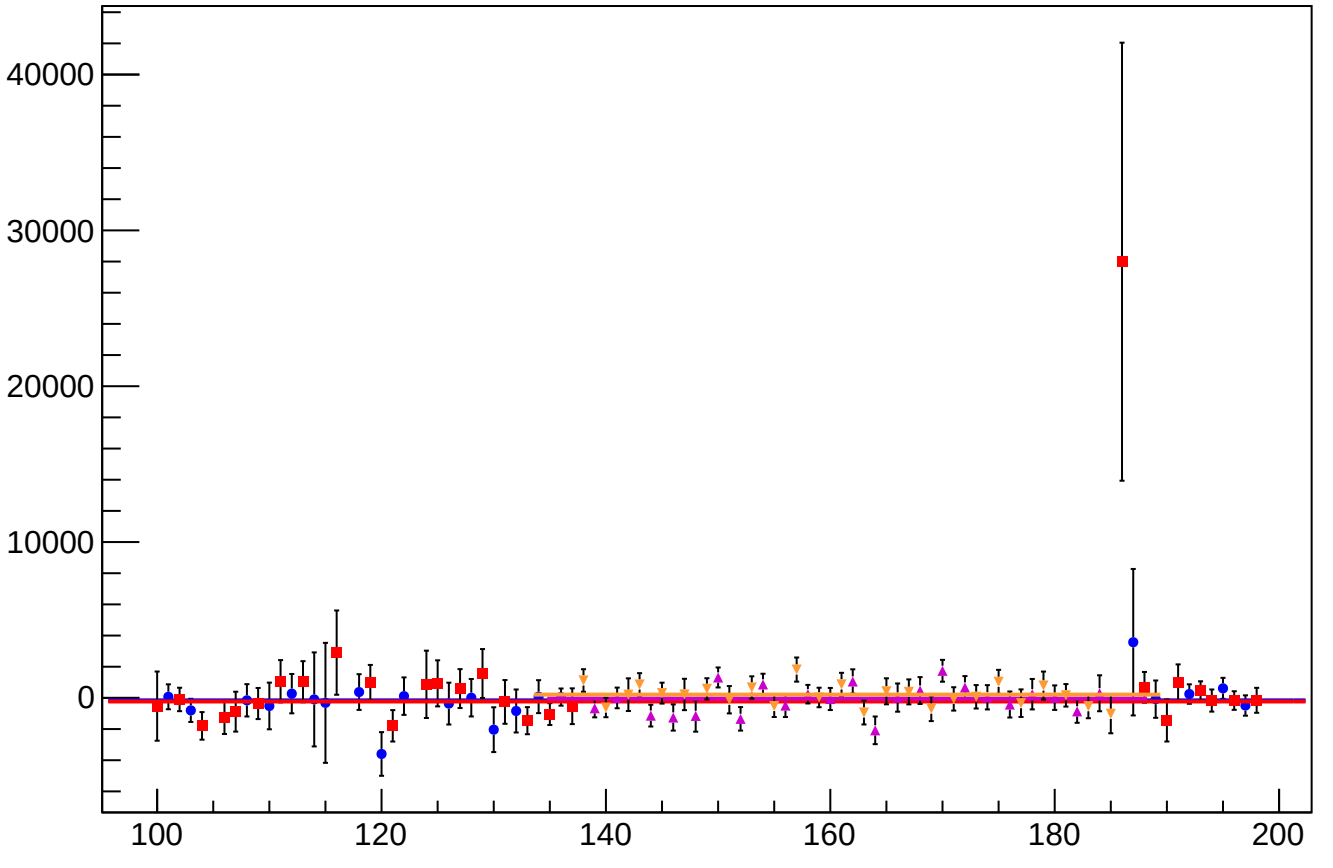
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 97.867+/-0.014 χ^2/NDF: 773884.1/47

In: 107.100+/-0.014 χ^2/NDF:949950.9/43

Out: 105.962+/-0.013 χ^2/NDF:1407030.4/51

All: 106.496+/-0.010 χ^2/NDF: 2360396.7/95



Right In: -159.291+/-214.023 χ^2/NDF: 12.1/20

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: -229.374+/-193.936 χ^2/NDF: 25.4/26

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

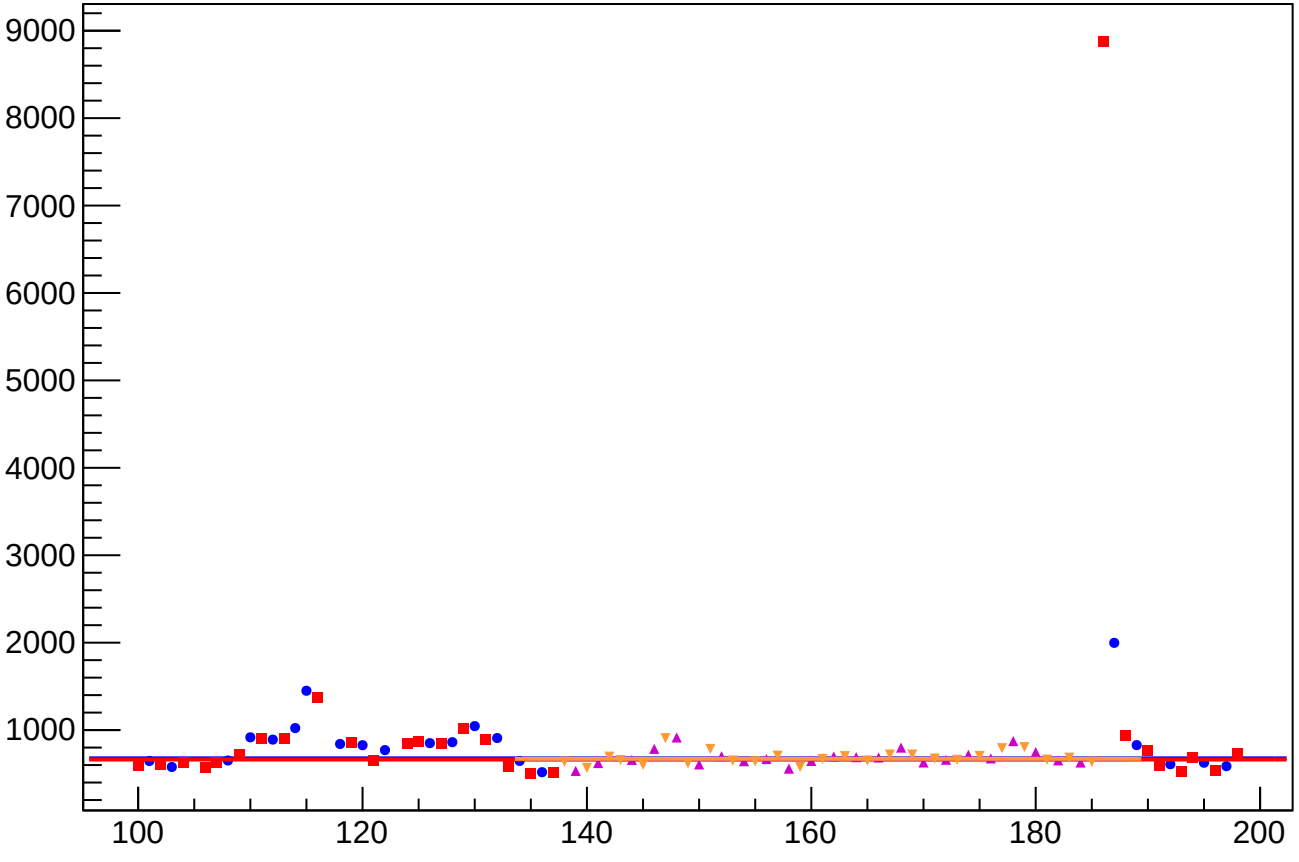
Right: -197.775+/-143.712 χ^2/NDF: 37.6/47

In: -88.563+/-126.845 χ^2/NDF:45.6/43

Out: 39.807+/-120.566 χ^2/NDF:47.5/51

All: -21.122+/-87.389 χ^2/NDF: 93.6/95

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 676.626+/-0.151 χ^2/NDF: 1030481.1/20

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 663.448+/-0.137 χ^2/NDF: 1844564.2/26

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

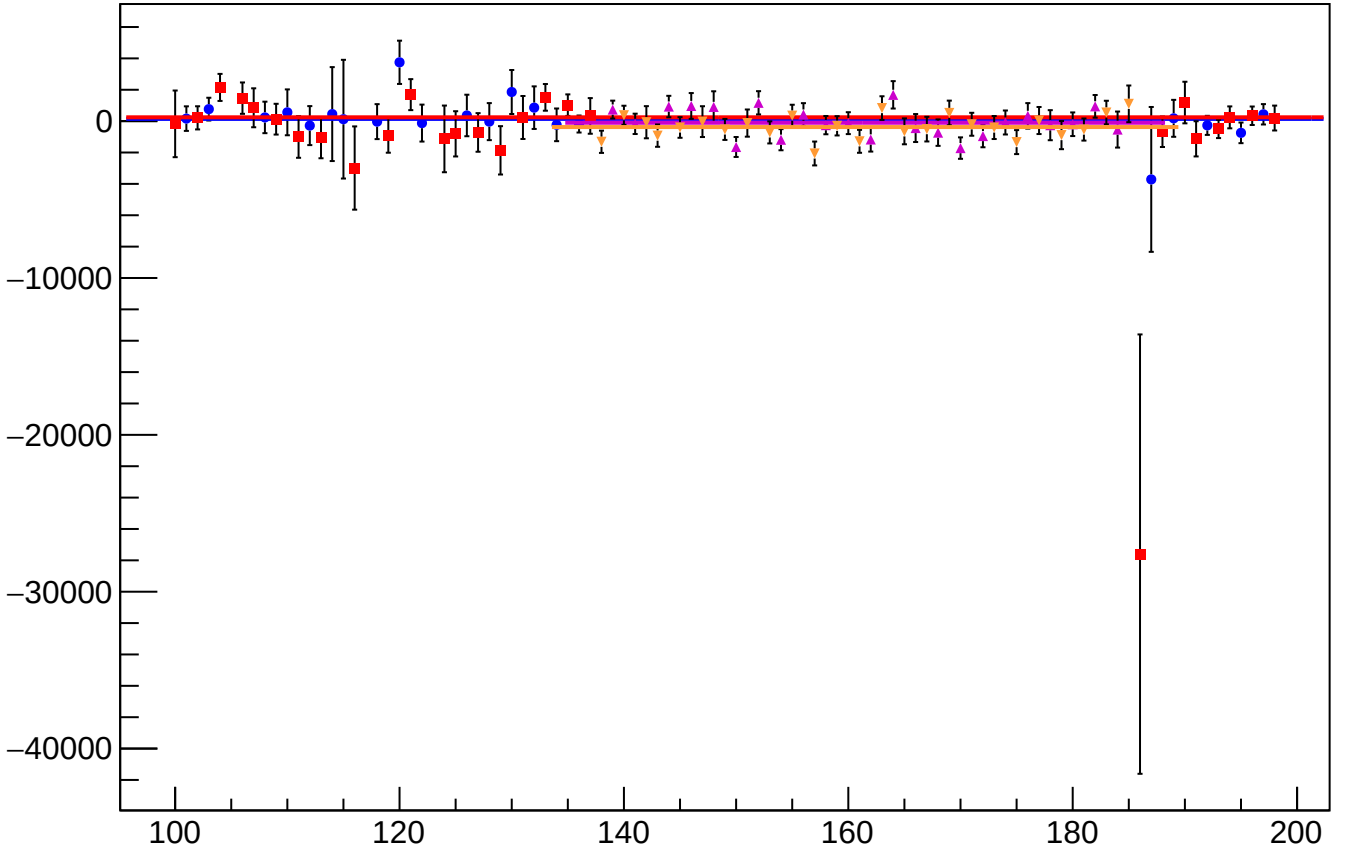
Right: 669.390+/-0.102 χ^2/NDF: 2879209.0/47

In: 670.603+/-0.090 χ^2/NDF:1579828.6/43

Out: 668.602+/-0.085 χ^2/NDF:2246026.9/51

All: 669.552+/-0.062 χ^2/NDF: 3826116.9/95

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 142.224+/-209.926 χ^2/NDF: 13.4/20

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: 243.850+/-189.989 χ^2/NDF: 28.7/26

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

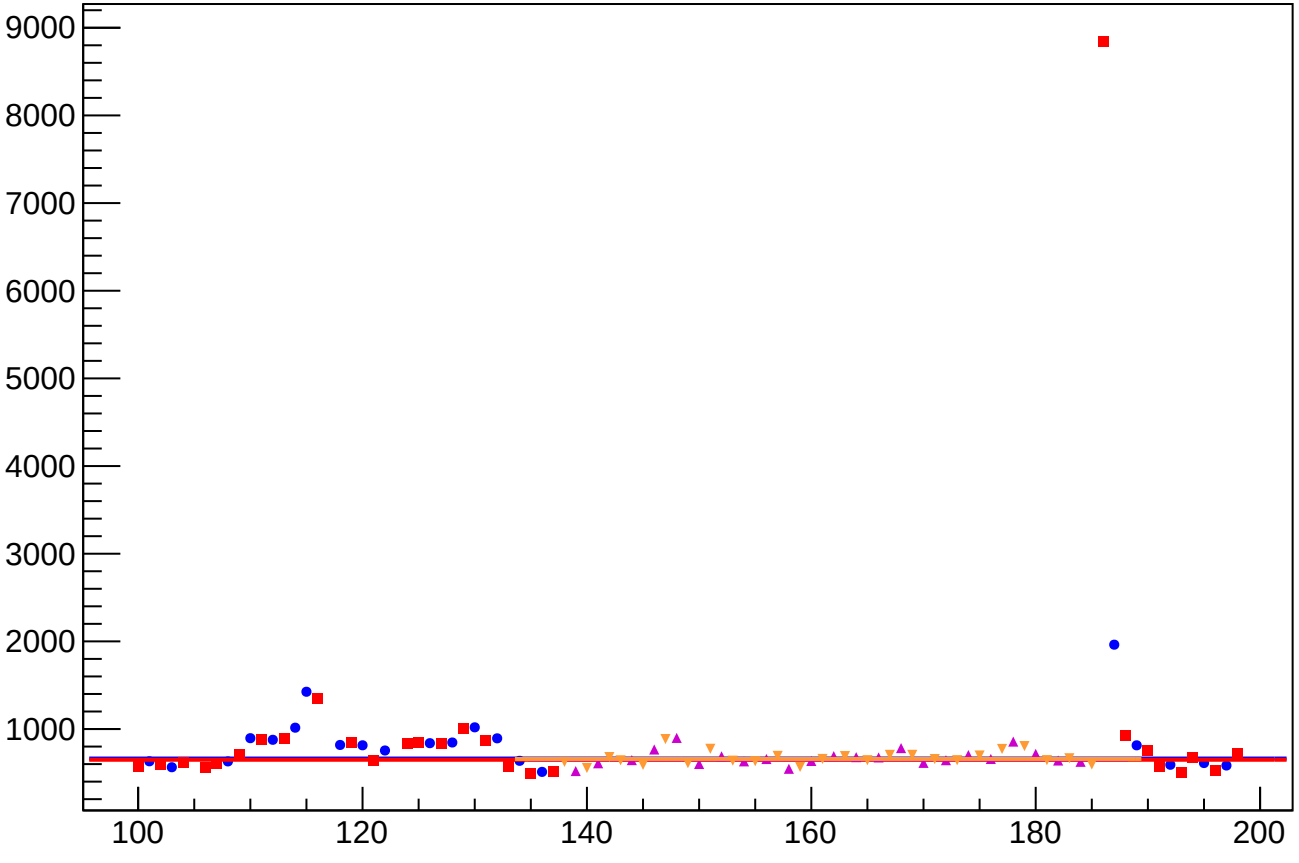
Right: 198.091+/-140.865 χ^2/NDF: 42.2/47

In: -17.169+/-124.347 χ^2/NDF:49.8/43

Out: -136.878+/-118.188 χ^2/NDF:56.7/51

All: -80.061+/-85.666 χ^2/NDF: 107.0/95

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 663.580+/-0.148 χ^2/NDF: 1025430.2/20

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

Right Out: 649.448+/-0.134 χ^2/NDF: 1871053.2/26

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

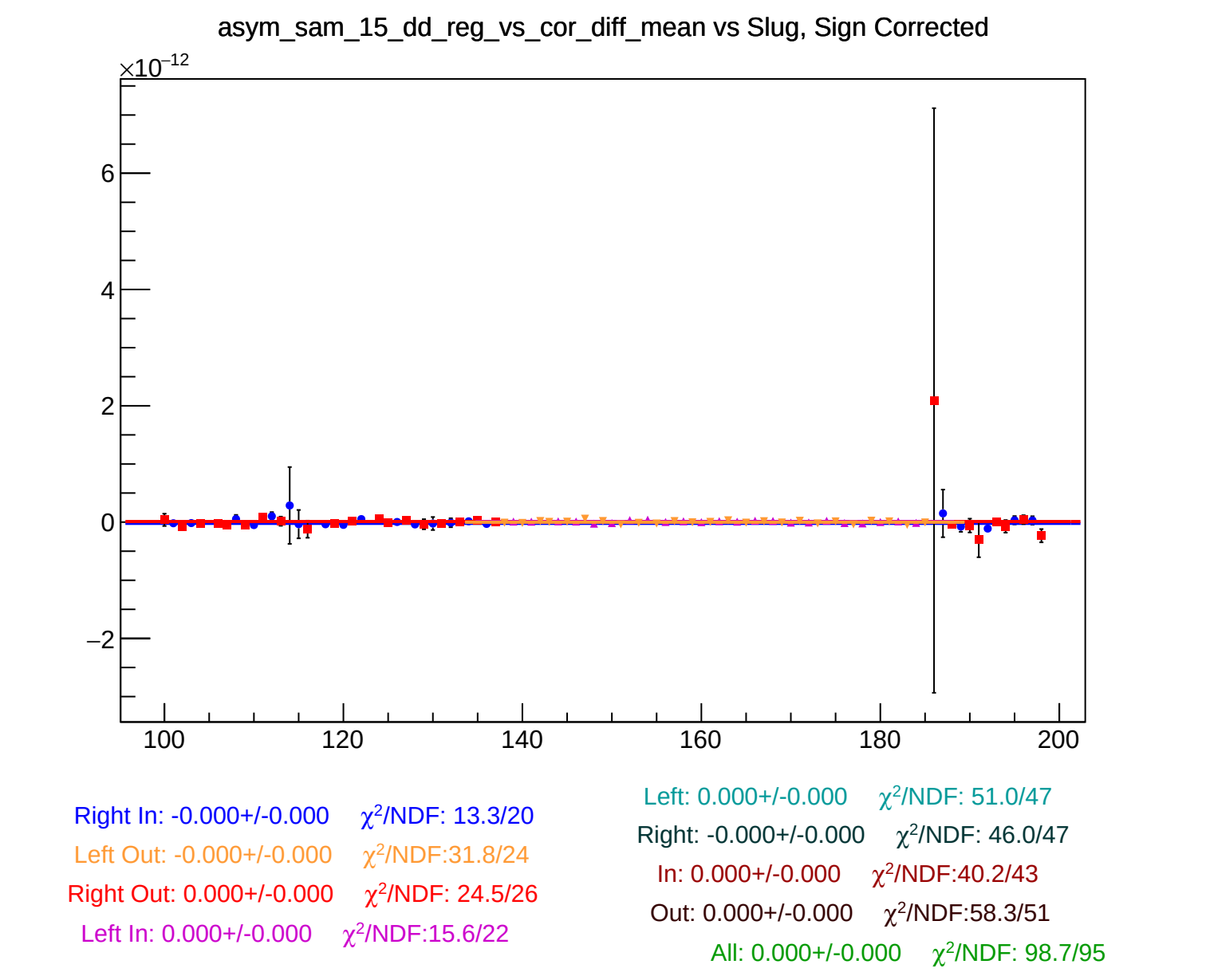
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

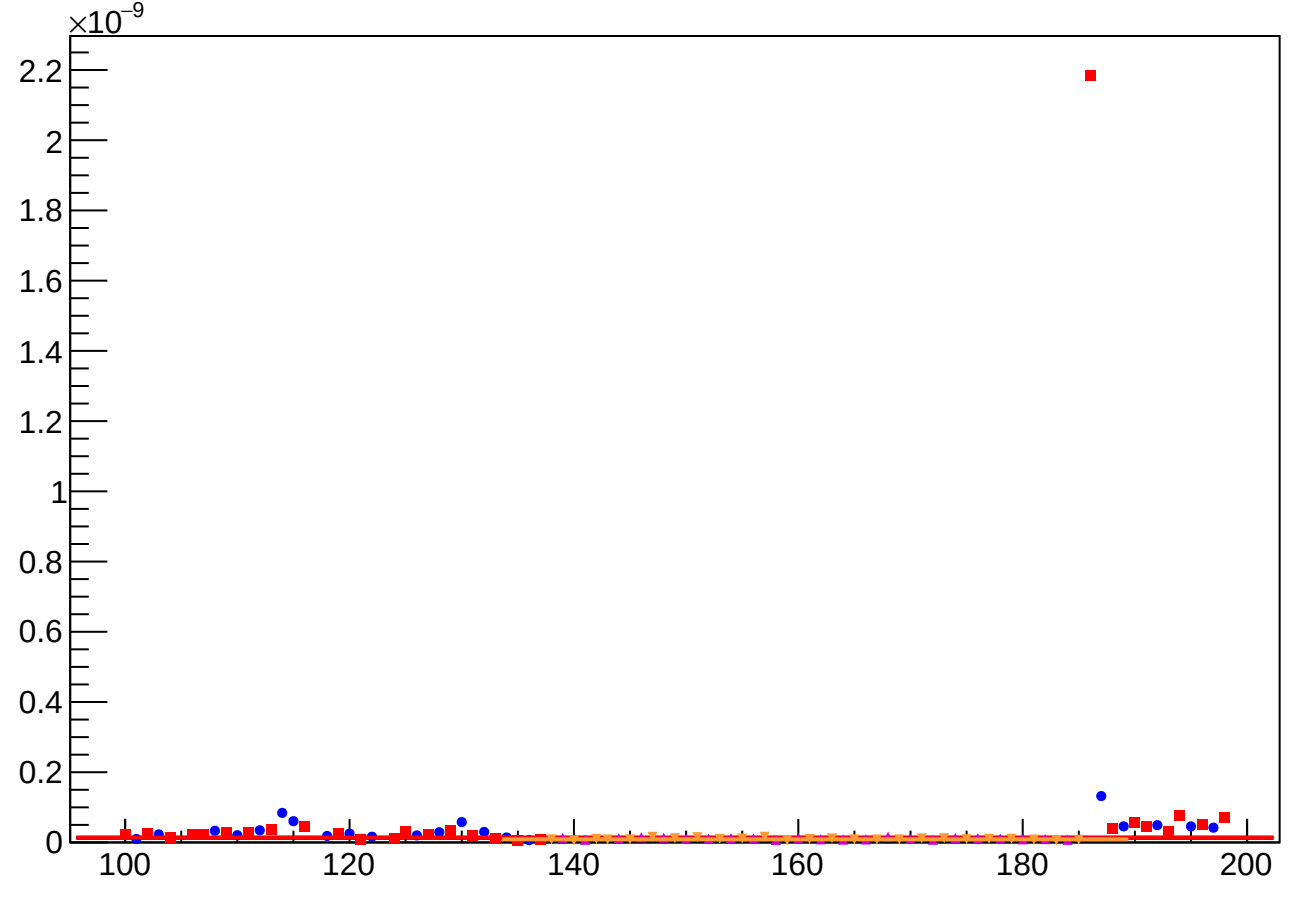
Right: 655.811+/-0.100 χ^2/NDF: 2901465.4/47

In: 657.329+/-0.088 χ^2/NDF:1570240.1/43

Out: 655.103+/-0.084 χ^2/NDF:2283627.4/51

All: 656.159+/-0.061 χ^2/NDF: 3854204.2/95


asym_sam_15_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 13.3/20
Left Out: -0.000+/-0.000 χ²/NDF:31.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 24.5/26
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: 46.0/47
In: 0.000+/-0.000 χ²/NDF:40.2/43
Out: 0.000+/-0.000 χ²/NDF:58.3/51
All: 0.000+/-0.000 χ²/NDF: 98.7/95



Right In: 0.000+/-0.000 χ^2/NDF: 3934989.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5237582.9/26

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

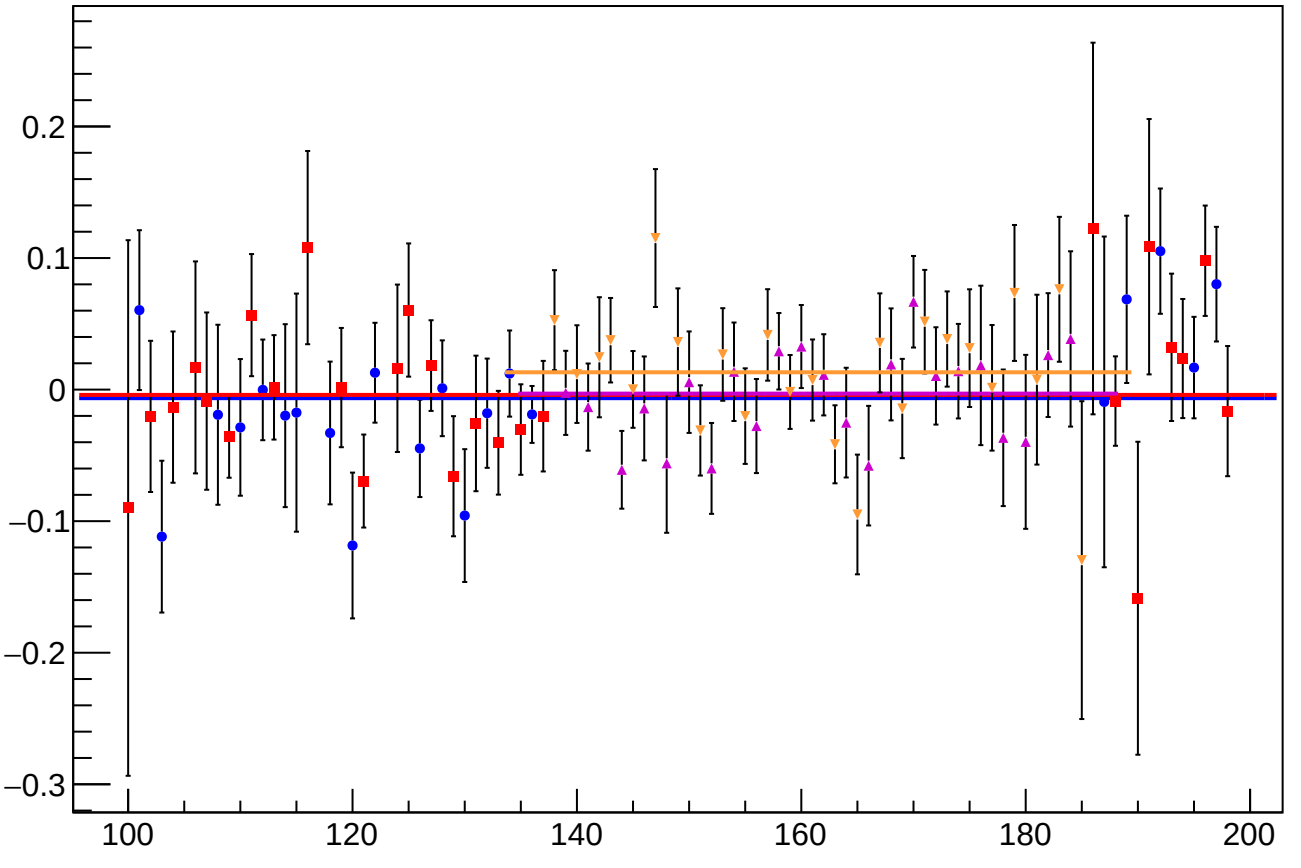
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 9182752.9/47

In: 0.000+/-0.000 χ^2/NDF:4844518.7/43

Out: 0.000+/-0.000 χ^2/NDF:7007137.4/51

All: 0.000+/-0.000 χ^2/NDF: 11943524.5/95



Right In: -0.007+/-0.010 χ^2/NDF: 25.6/20

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.004+/-0.009 χ^2/NDF: 25.3/26

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

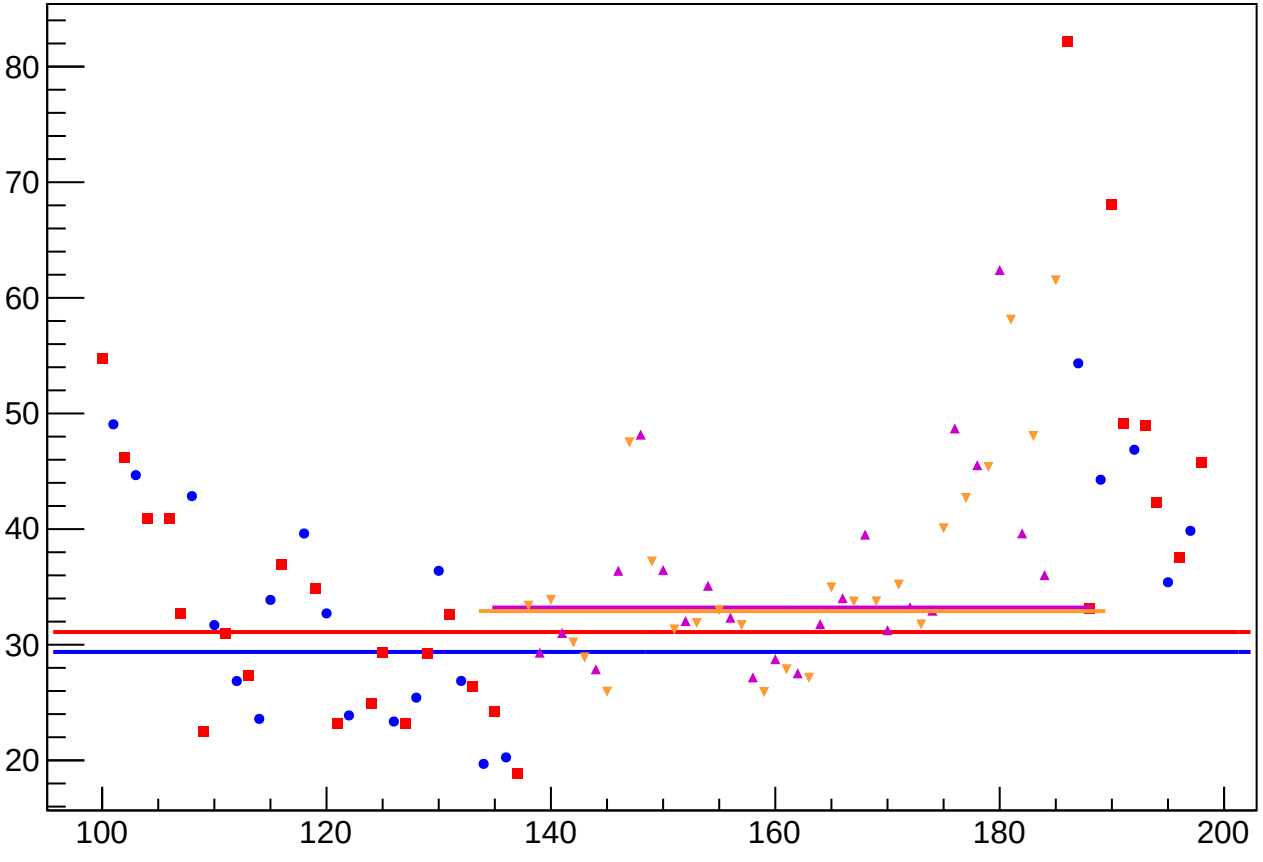
Right: -0.005+/-0.007 χ^2/NDF: 50.9/47

In: -0.004+/-0.006 χ^2/NDF:44.9/43

Out: 0.006+/-0.006 χ^2/NDF:52.7/51

All: 0.001+/-0.004 χ^2/NDF: 99.1/95

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.376+/-0.007 χ^2/NDF: 1855733.5/20

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 31.099+/-0.006 χ^2/NDF: 2037854.5/26

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

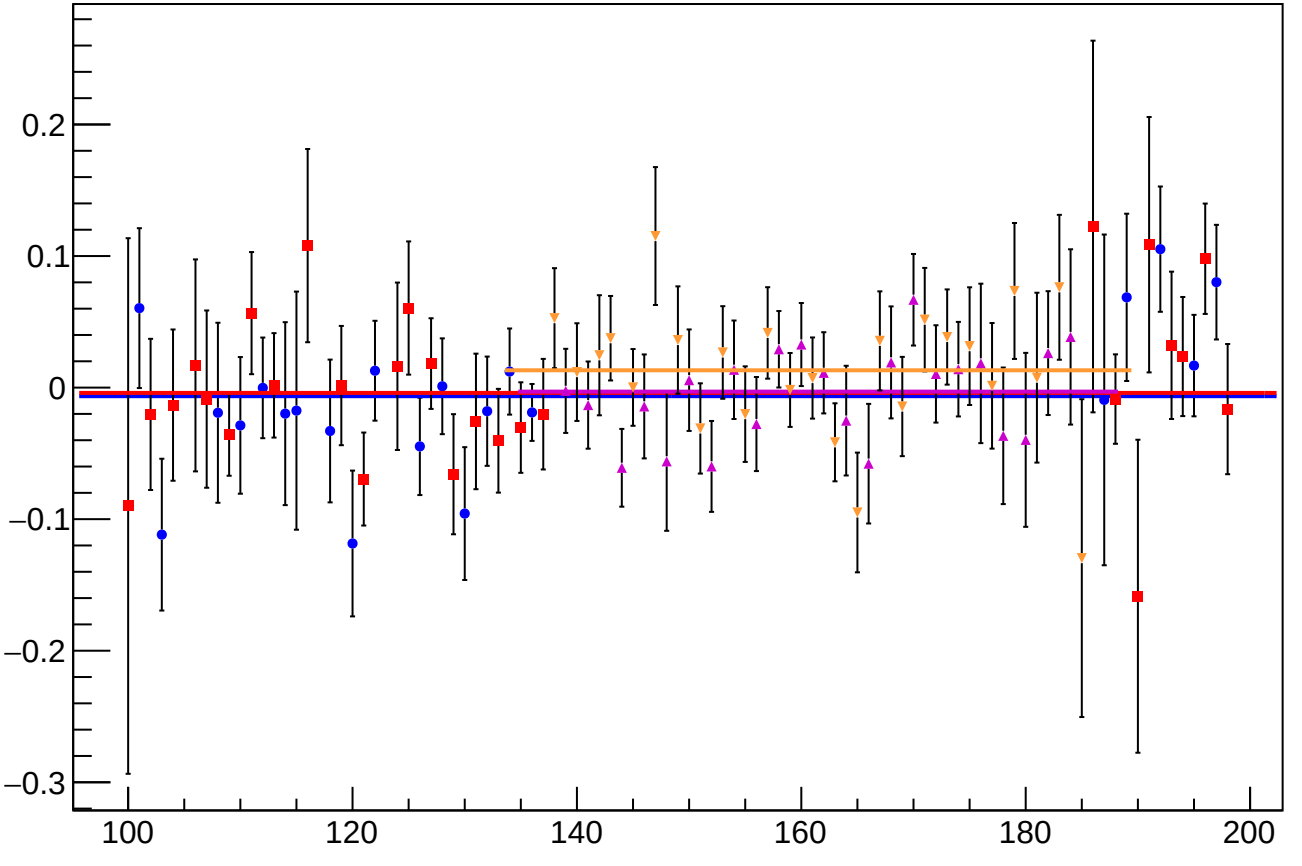
Right: 30.270+/-0.005 χ^2/NDF: 3927478.8/47

In: 31.638+/-0.004 χ^2/NDF:3268407.6/43

Out: 32.162+/-0.004 χ^2/NDF:3511471.9/51

All: 31.910+/-0.003 χ^2/NDF: 6787515.5/95

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.010 χ^2/NDF: 25.6/20

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.004+/-0.009 χ^2/NDF: 25.3/26

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

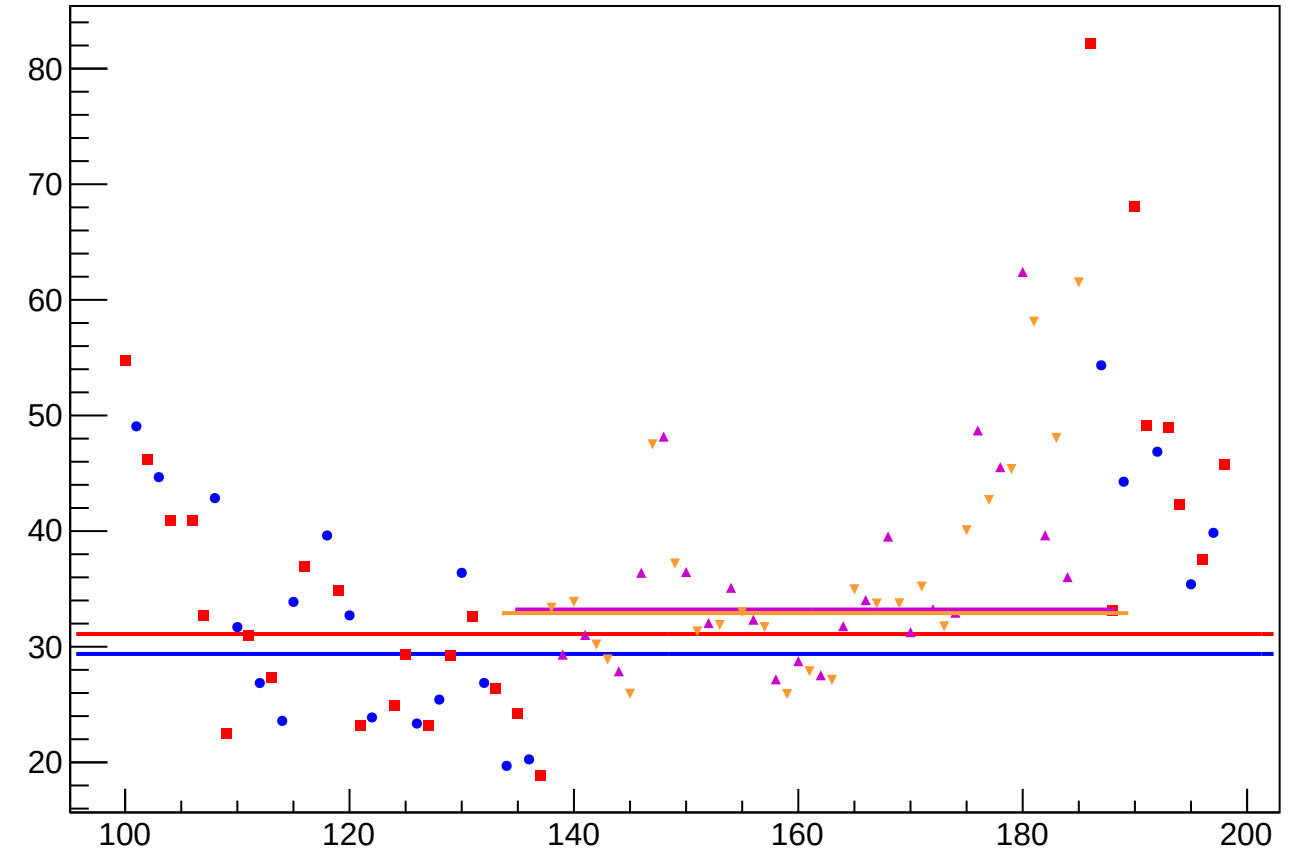
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.005+/-0.007 χ^2/NDF: 50.9/47

In: -0.004+/-0.006 χ^2/NDF:44.9/43

Out: 0.006+/-0.006 χ^2/NDF:52.7/51

All: 0.001+/-0.004 χ^2/NDF: 99.1/95



Right In: 29.376+/-0.007 χ^2/NDF: 1855733.5/20

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 31.099+/-0.006 χ^2/NDF: 2037854.5/26

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

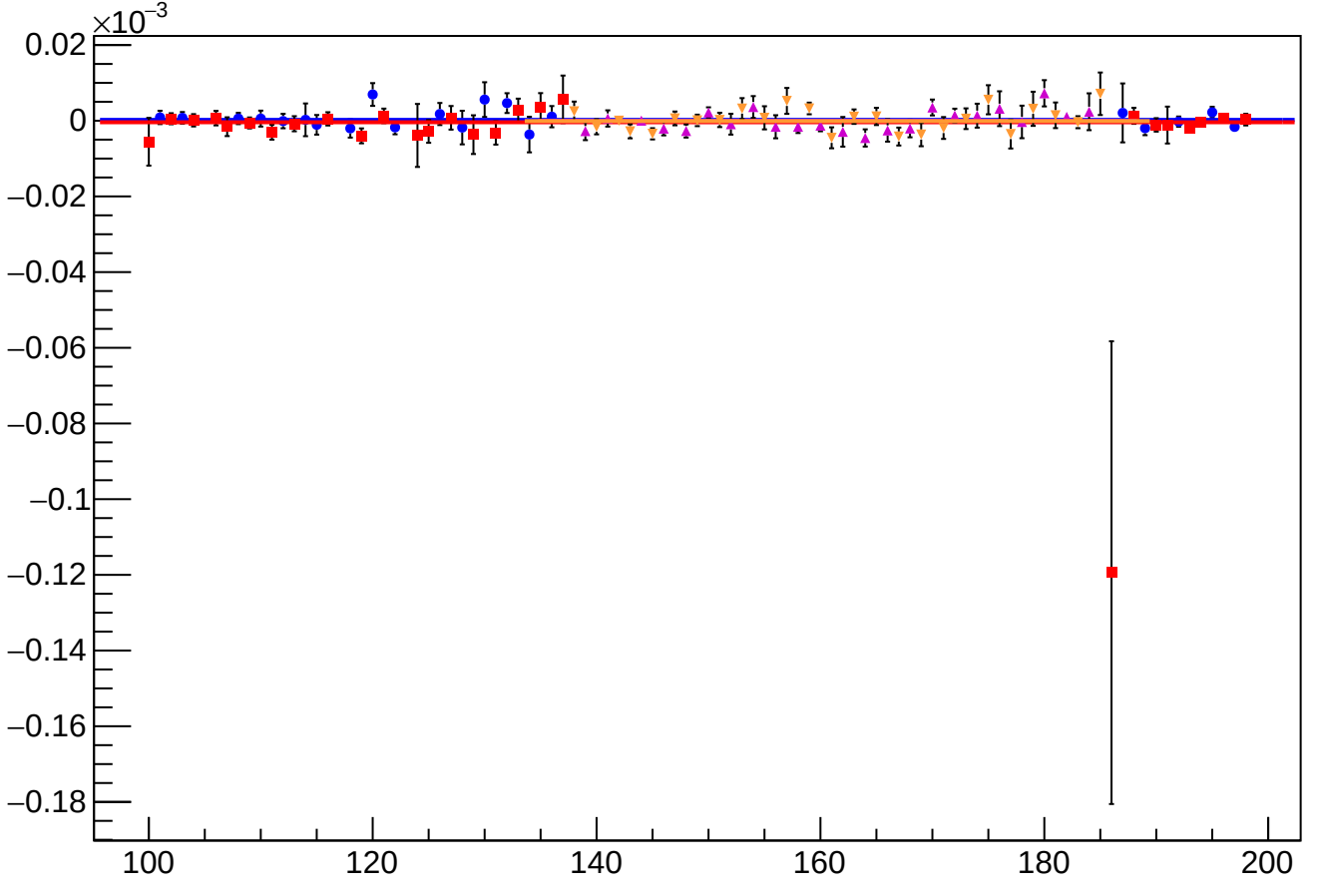
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 30.270+/-0.005 χ^2/NDF: 3927478.8/47

In: 31.638+/-0.004 χ^2/NDF:3268407.6/43

Out: 32.162+/-0.004 χ^2/NDF:3511471.9/51

All: 31.910+/-0.003 χ^2/NDF: 6787515.5/95



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/20

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/26

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

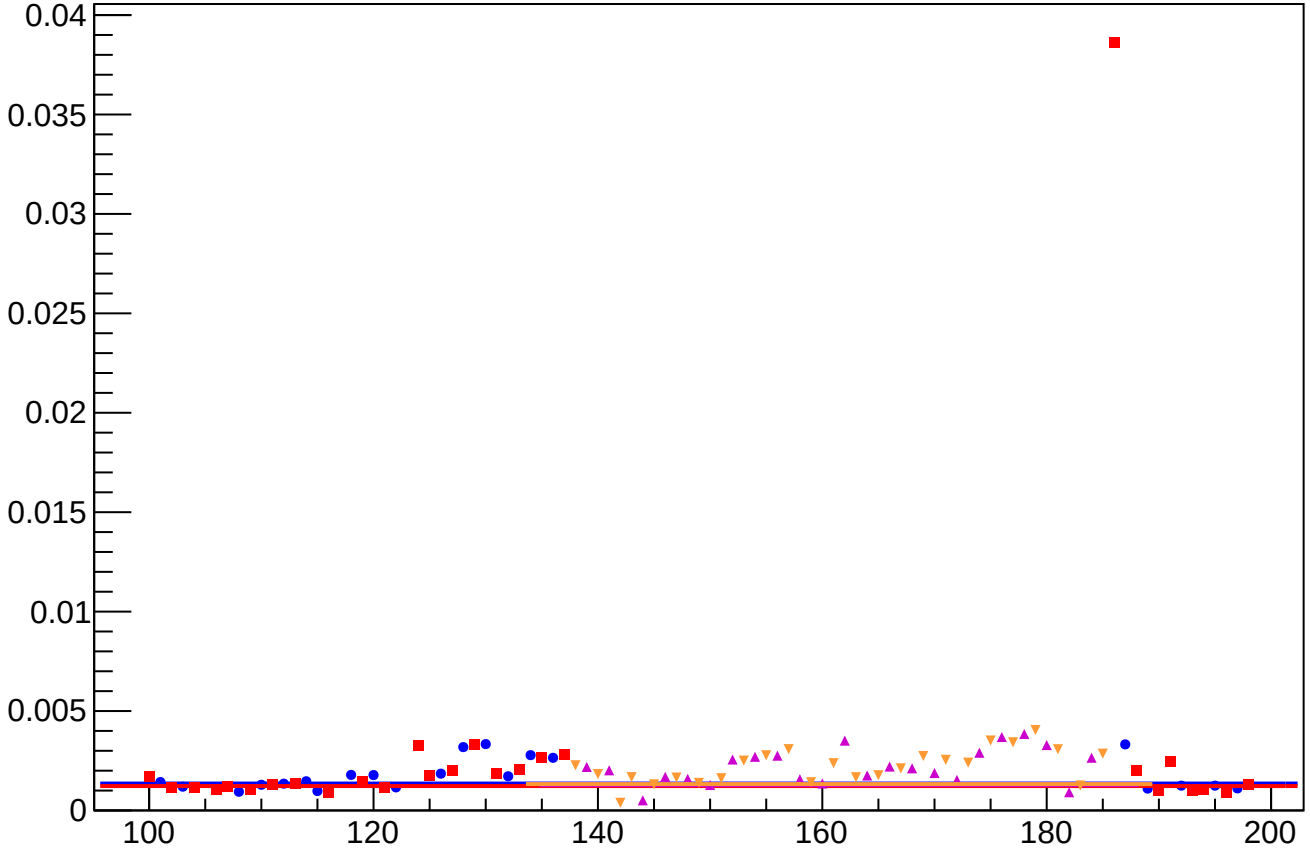
Right: -0.000+/-0.000 χ^2/NDF: 40.5/47

In: 0.000+/-0.000 χ^2/NDF:45.8/43

Out: -0.000+/-0.000 χ^2/NDF:52.1/51

All: -0.000+/-0.000 χ^2/NDF: 98.5/95

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 2030383.8/20

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 2986432.8/26

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

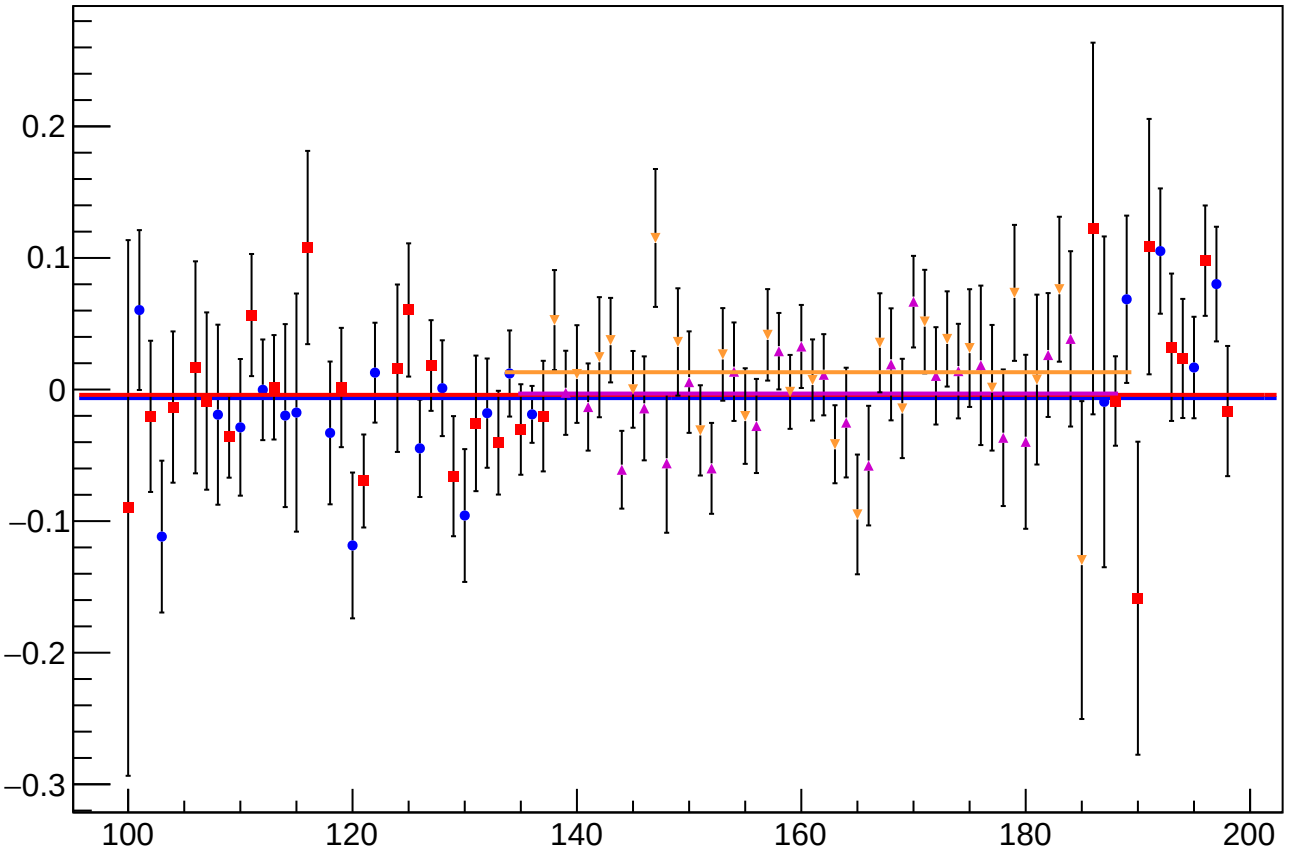
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 5109725.5/47

In: 0.001+/-0.000 χ^2/NDF:11947274.8/43

Out: 0.001+/-0.000 χ^2/NDF:14217526.0/51

All: 0.001+/-0.000 χ^2/NDF: 26174316.8/95



Right In: -0.007+/-0.010 χ^2/NDF: 25.6/20

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.004+/-0.009 χ^2/NDF: 25.3/26

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

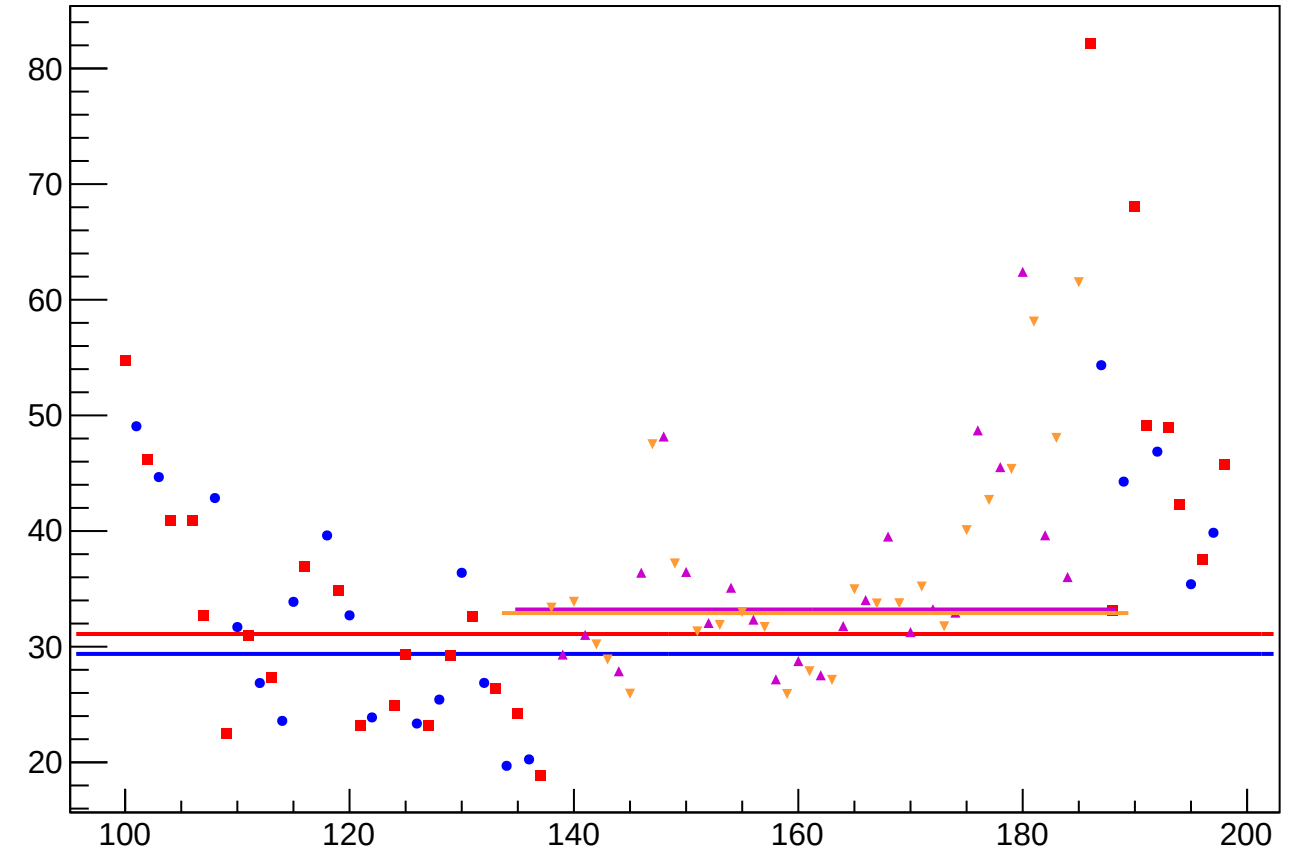
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.005+/-0.007 χ^2/NDF: 50.9/47

In: -0.004+/-0.006 χ^2/NDF:44.9/43

Out: 0.006+/-0.006 χ^2/NDF:52.7/51

All: 0.001+/-0.004 χ^2/NDF: 99.1/95



Right In: 29.375+/-0.007 χ^2/NDF: 1855870.8/20

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 31.097+/-0.006 χ^2/NDF: 2038099.9/26

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

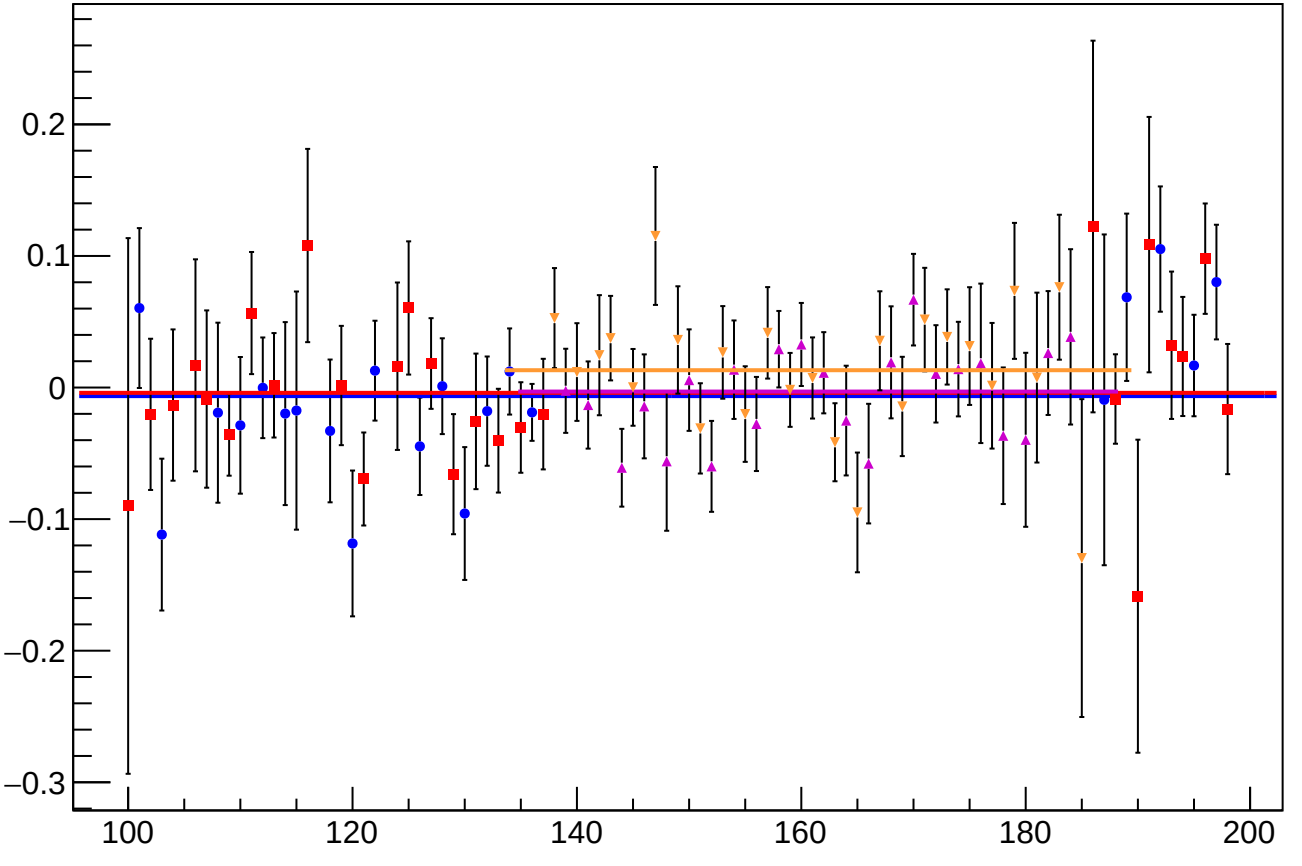
Right: 30.269+/-0.005 χ^2/NDF: 3927850.3/47

In: 31.638+/-0.004 χ^2/NDF:3268704.4/43

Out: 32.162+/-0.004 χ^2/NDF:3511843.4/51

All: 31.909+/-0.003 χ^2/NDF: 6788178.8/95

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.010 χ^2/NDF: 25.6/20

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.004+/-0.009 χ^2/NDF: 25.3/26

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

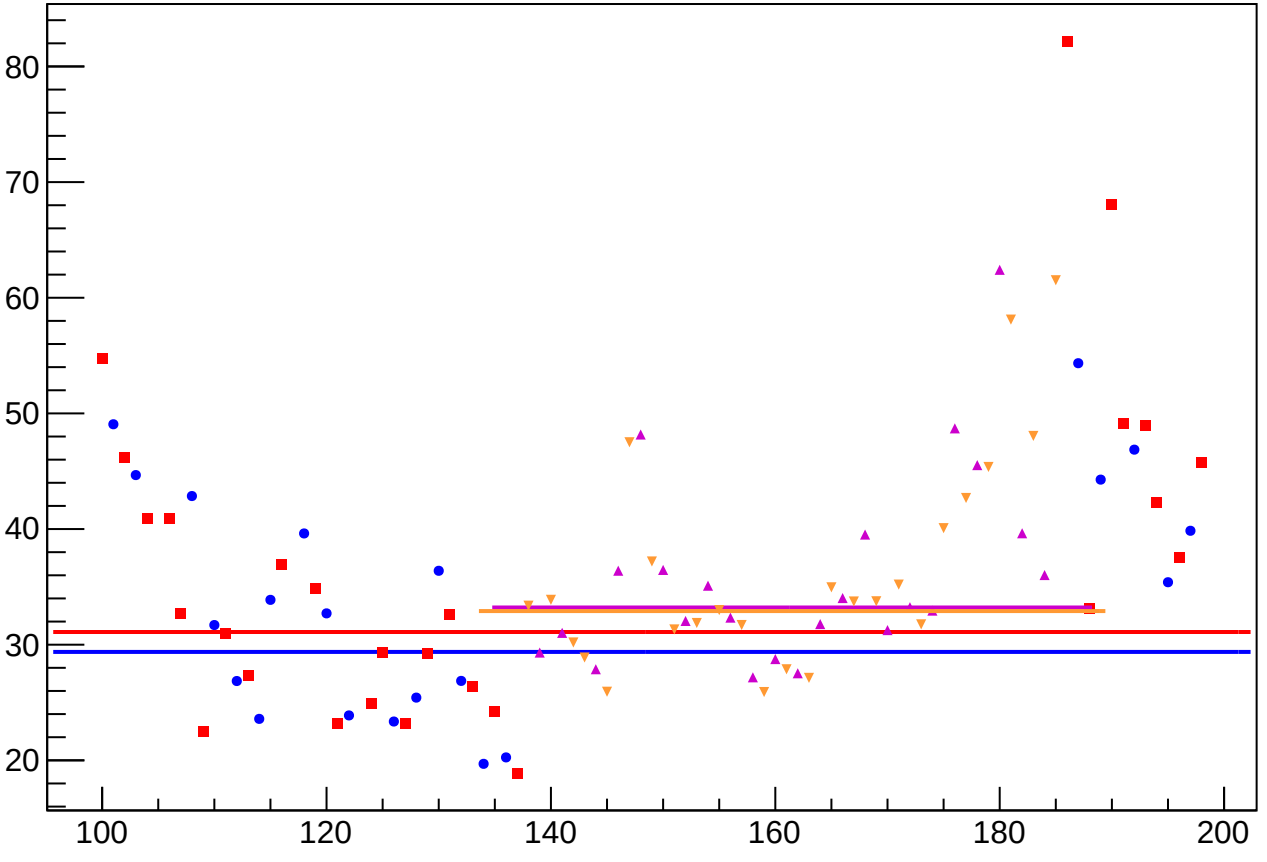
Right: -0.005+/-0.007 χ^2/NDF: 50.9/47

In: -0.004+/-0.006 χ^2/NDF:44.9/43

Out: 0.006+/-0.006 χ^2/NDF:52.7/51

All: 0.001+/-0.004 χ^2/NDF: 99.1/95

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.375+/-0.007 χ^2/NDF: 1855870.8/20

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 31.097+/-0.006 χ^2/NDF: 2038099.9/26

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

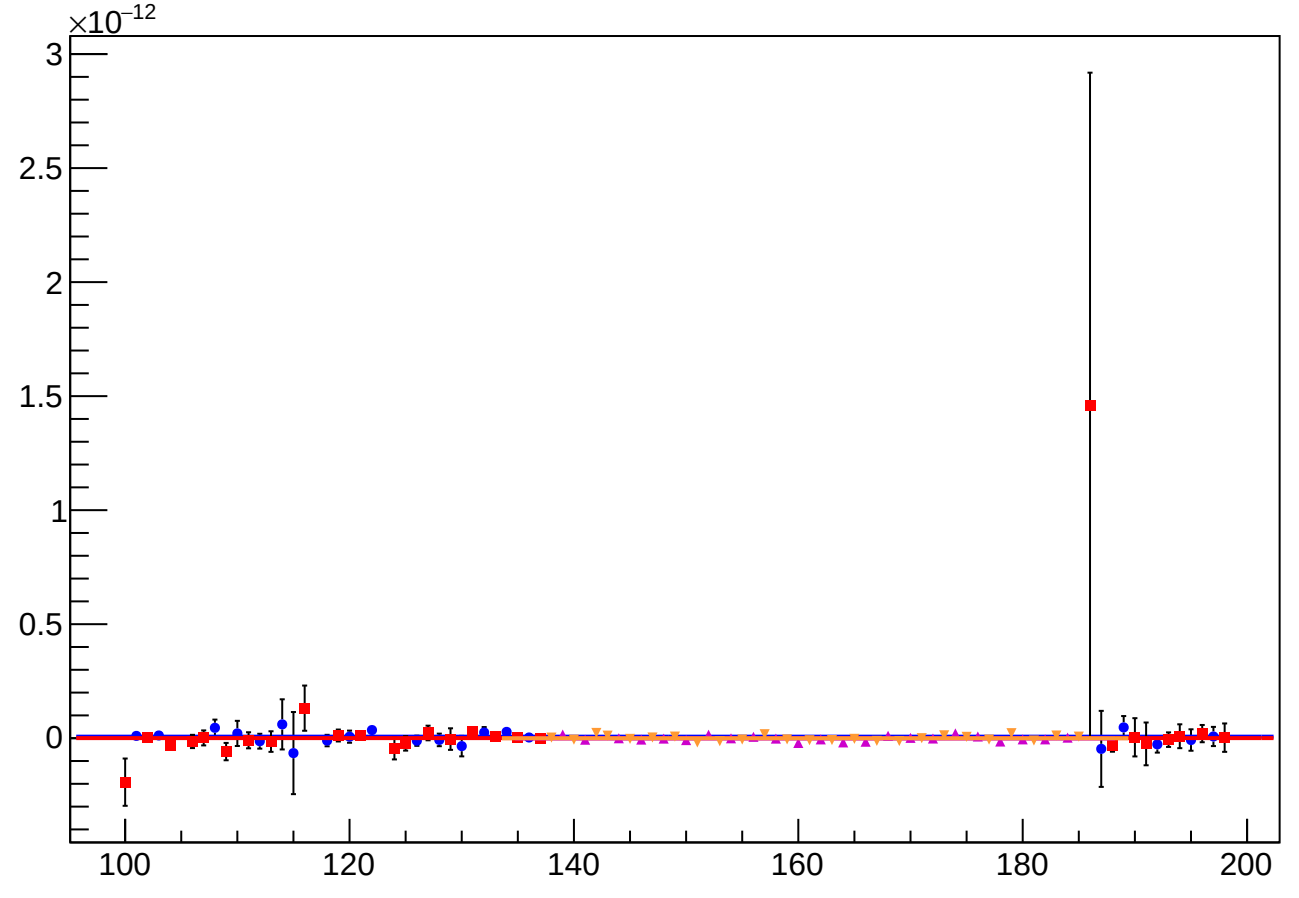
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 30.269+/-0.005 χ^2/NDF: 3927850.3/47

In: 31.638+/-0.004 χ^2/NDF:3268704.4/43

Out: 32.162+/-0.004 χ^2/NDF:3511843.4/51

All: 31.909+/-0.003 χ^2/NDF: 6788178.8/95



Right In: 0.000+/-0.000 χ^2/NDF: 10.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/26

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

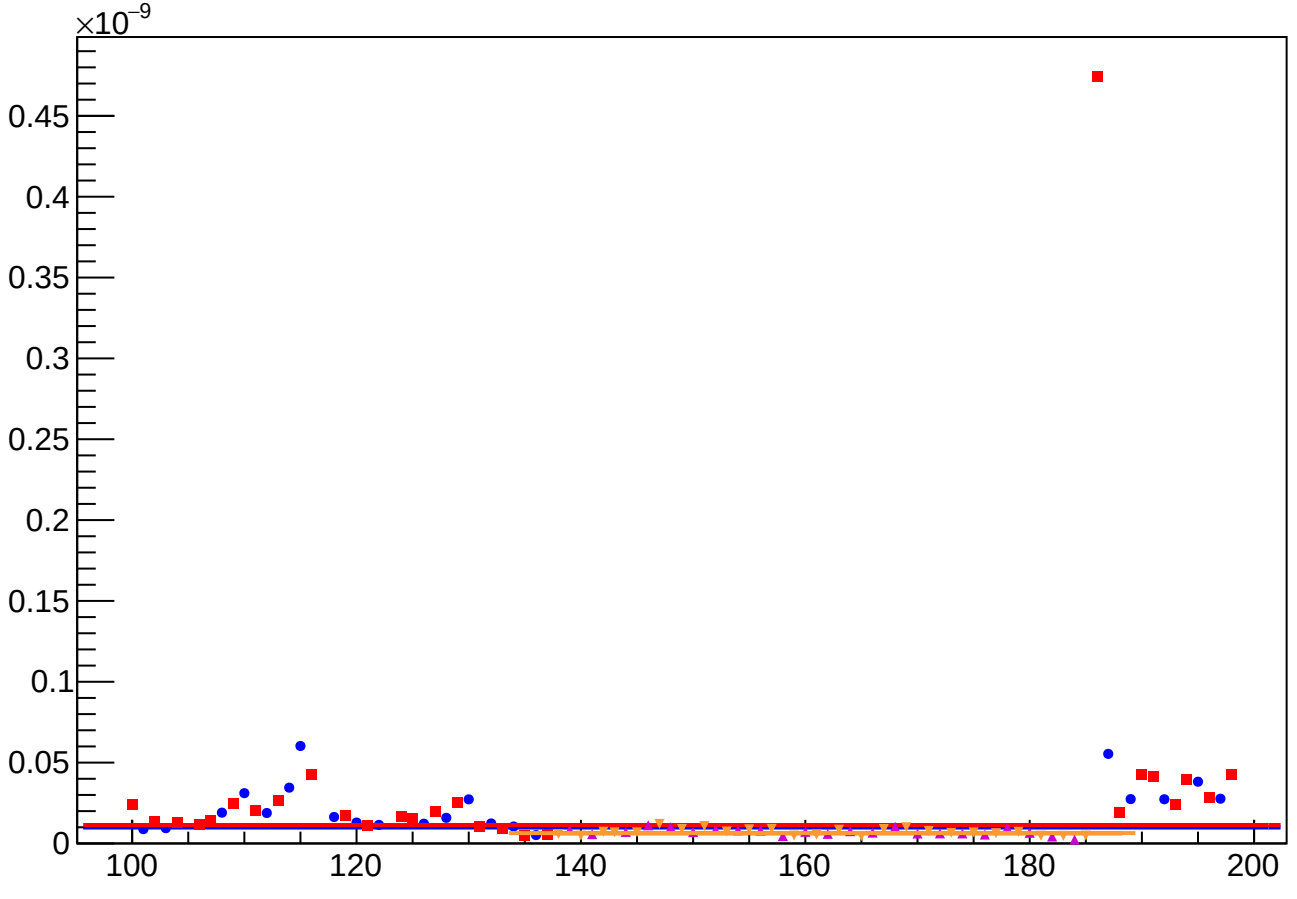
Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 29.3/47

In: -0.000+/-0.000 χ^2/NDF:38.0/43

Out: -0.000+/-0.000 χ^2/NDF:49.4/51

All: -0.000+/-0.000 χ^2/NDF: 87.4/95



Right In: 0.000+/-0.000 χ^2/NDF: 4433444.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5493831.8/26

Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

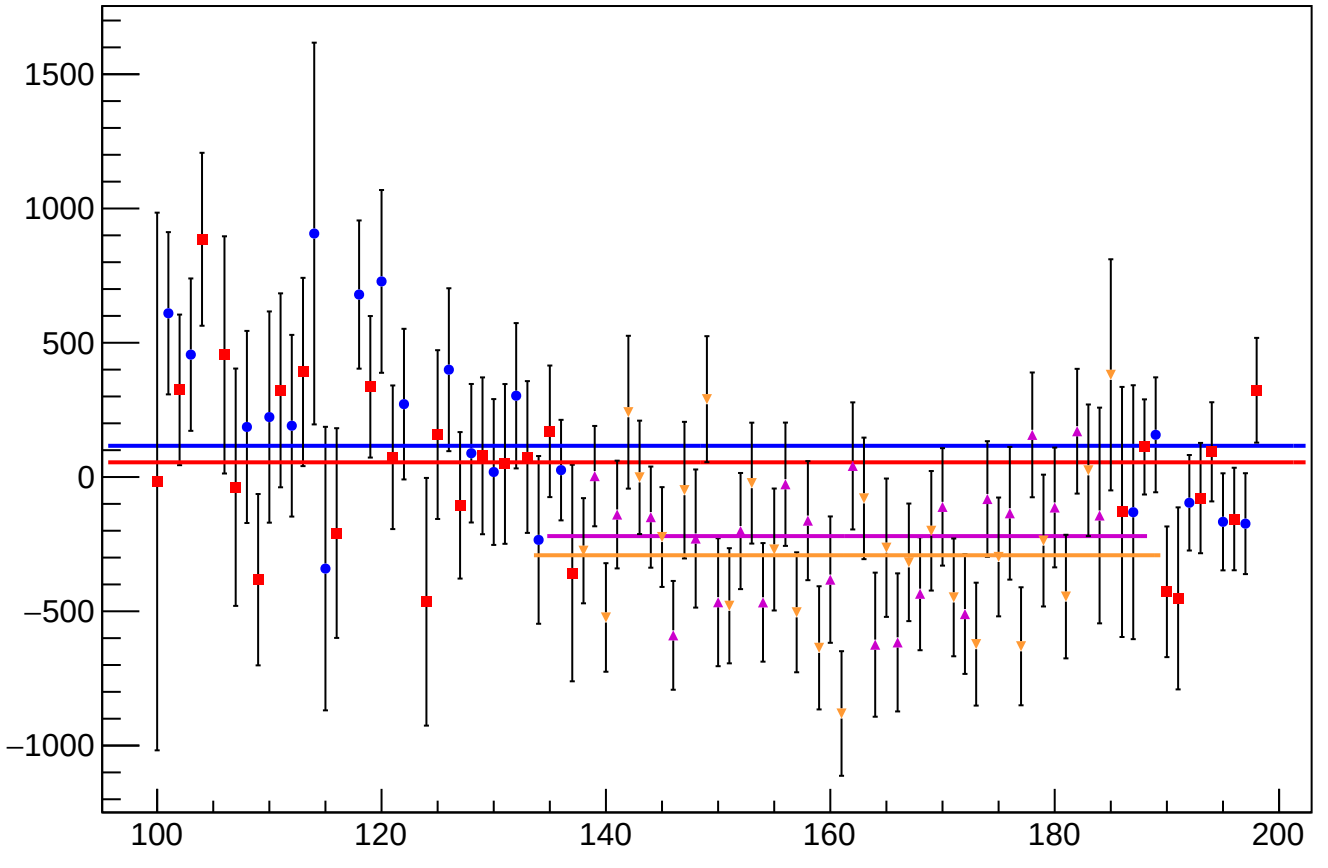
Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

Right: 0.000+/-0.000 χ^2/NDF: 10042501.3/47

In: 0.000+/-0.000 χ^2/NDF:7635345.5/43

Out: 0.000+/-0.000 χ^2/NDF:9332895.1/51

All: 0.000+/-0.000 χ^2/NDF: 16984801.2/95



Right In: 116.287+/-58.198 χ^2/NDF: 23.5/20

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: 54.775+/-53.480 χ^2/NDF: 26.4/26

Left In: -219.974+/-47.146 χ^2/NDF:23.7/22

Left: -256.821+/-32.782 χ^2/NDF: 61.3/47

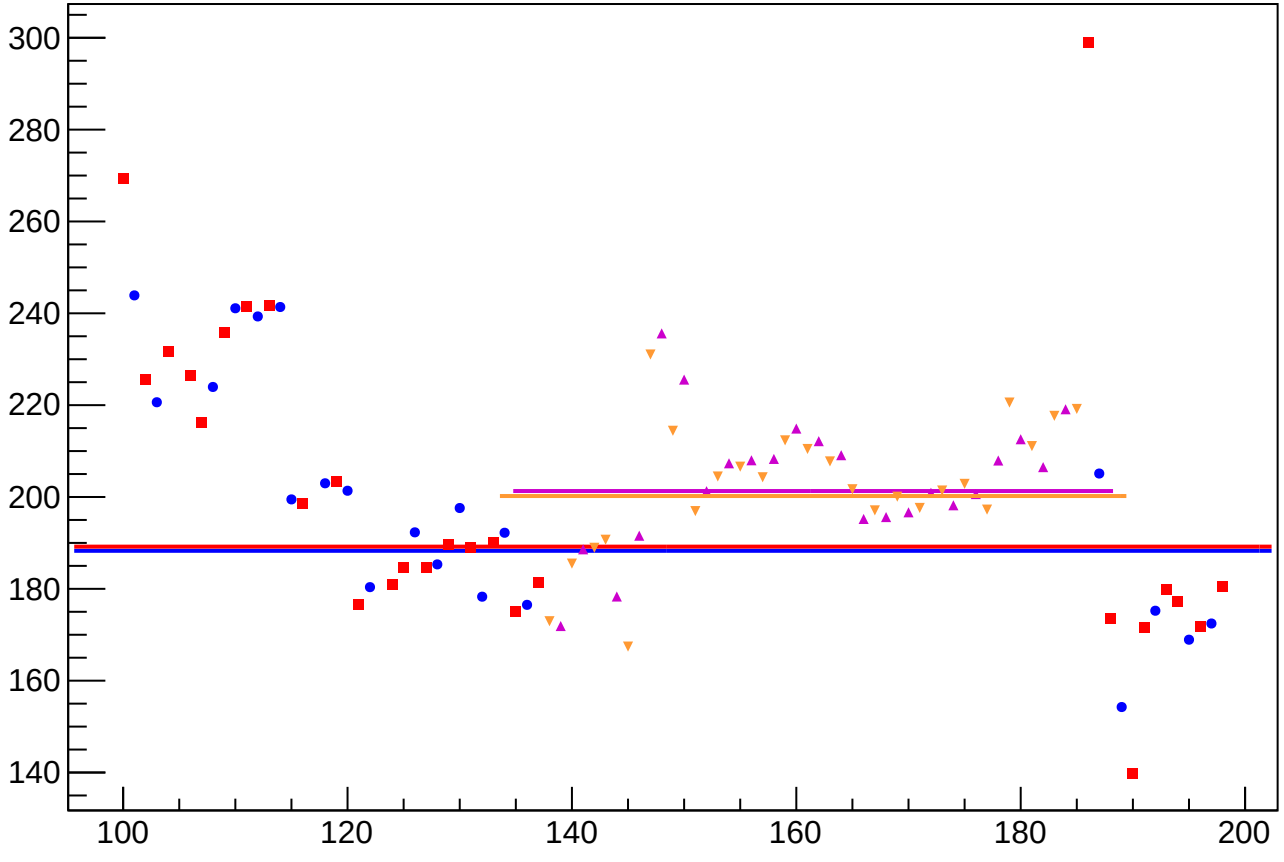
Right: 82.937+/-39.378 χ^2/NDF: 50.5/47

In: -86.738+/-36.634 χ^2/NDF:67.4/43

Out: -145.569+/-34.705 χ^2/NDF:87.0/51

All: -117.743+/-25.194 χ^2/NDF: 155.8/95

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 188.282+/-0.041 χ^2/NDF: 332478.4/20

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 189.190+/-0.038 χ^2/NDF: 500295.5/26

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

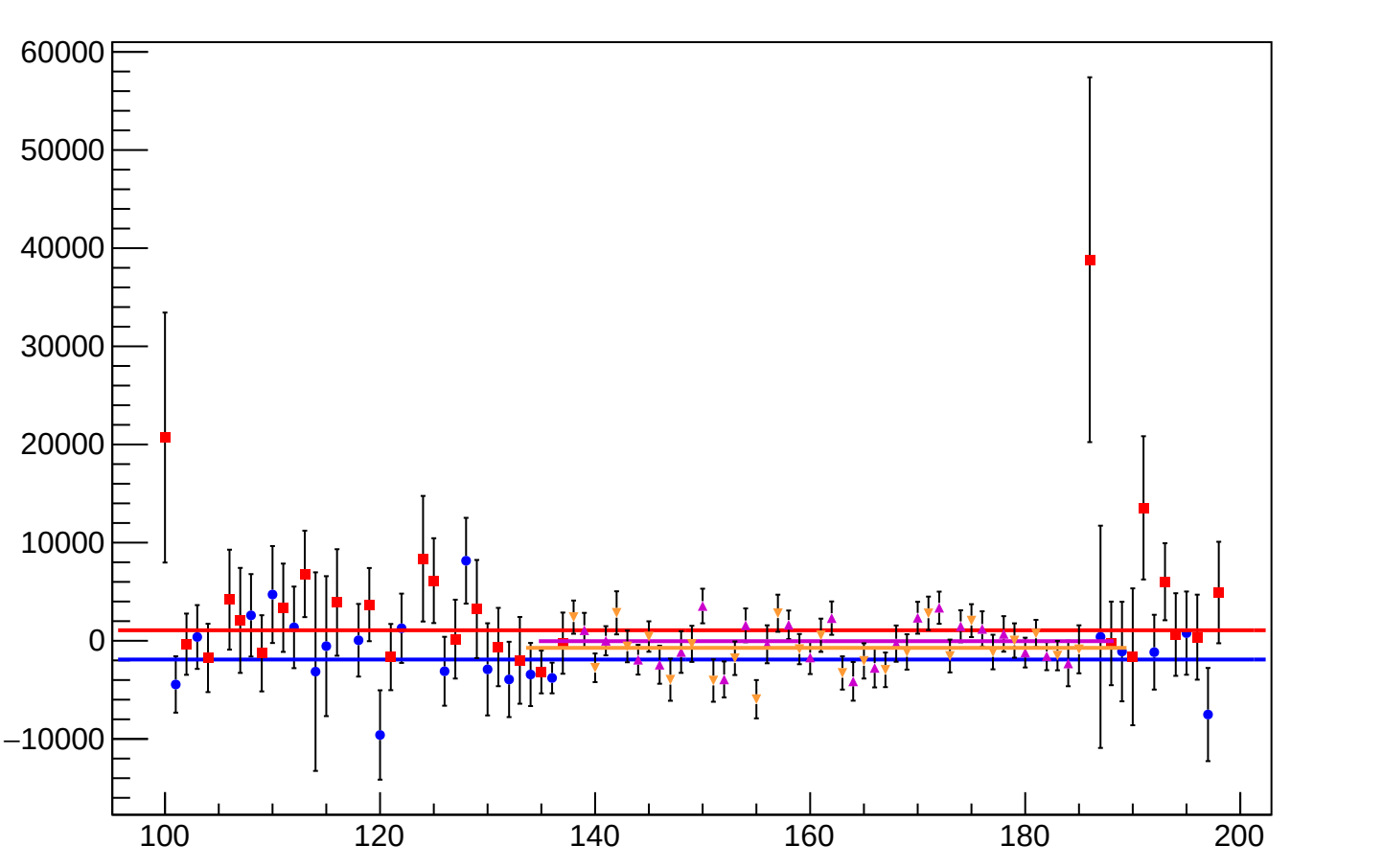
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 188.774+/-0.028 χ^2/NDF: 833037.6/47

In: 196.140+/-0.026 χ^2/NDF:574521.6/43

Out: 195.569+/-0.025 χ^2/NDF:753851.8/51

All: 195.839+/-0.018 χ^2/NDF: 1328629.7/95



Right In: -1908.953+/-797.953 χ^2/NDF: 18.2/20

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: 1071.246+/-805.065 χ^2/NDF: 24.4/26

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

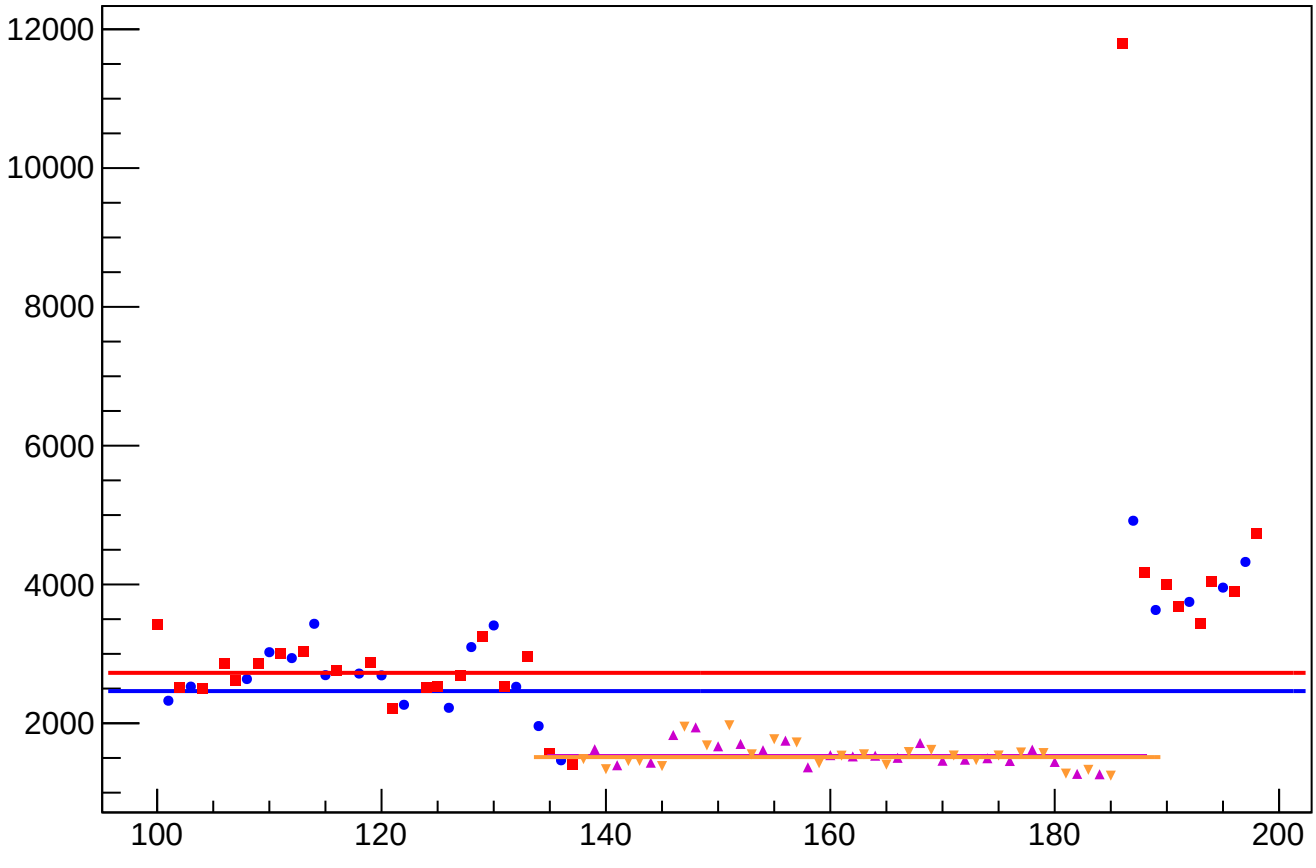
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -432.076+/-566.736 χ^2/NDF: 49.5/47

In: -354.400+/-327.593 χ^2/NDF:57.1/43

Out: -440.803+/-318.176 χ^2/NDF:66.9/51

All: -398.861+/-228.241 χ^2/NDF: 124.1/95



Right In: 2463.611+/-0.564 χ^2/NDF: 2080099.4/20

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2726.443+/-0.569 χ^2/NDF: 2581782.3/26

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

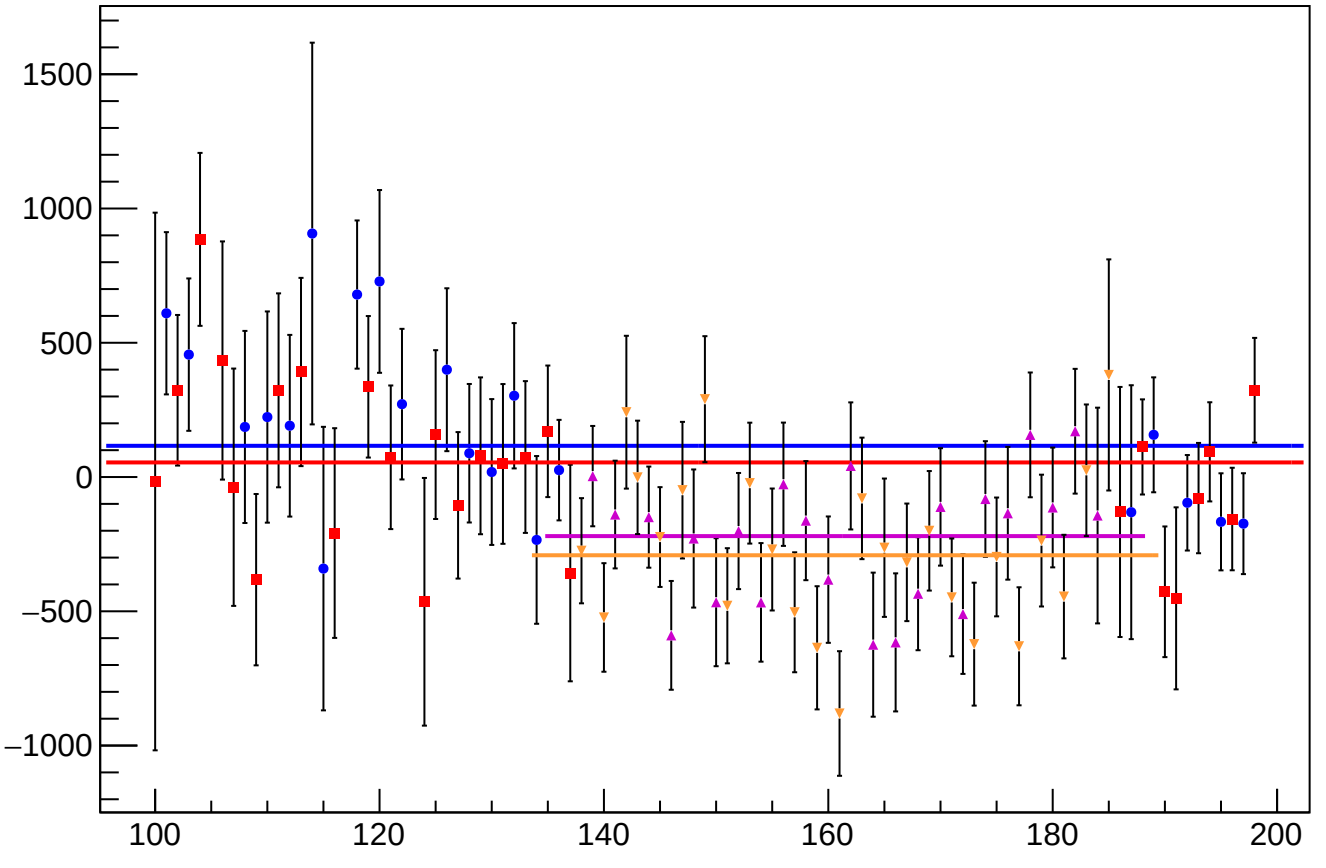
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2593.861+/-0.401 χ^2/NDF: 4769412.2/47

In: 1685.662+/-0.232 χ^2/NDF:4740269.6/43

Out: 1702.001+/-0.225 χ^2/NDF:6862315.0/51

All: 1694.069+/-0.161 χ^2/NDF: 11605144.6/9



Right In: 116.286+/-58.198 χ^2/NDF: 23.5/20

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 54.357+/-53.484 χ^2/NDF: 26.3/26

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

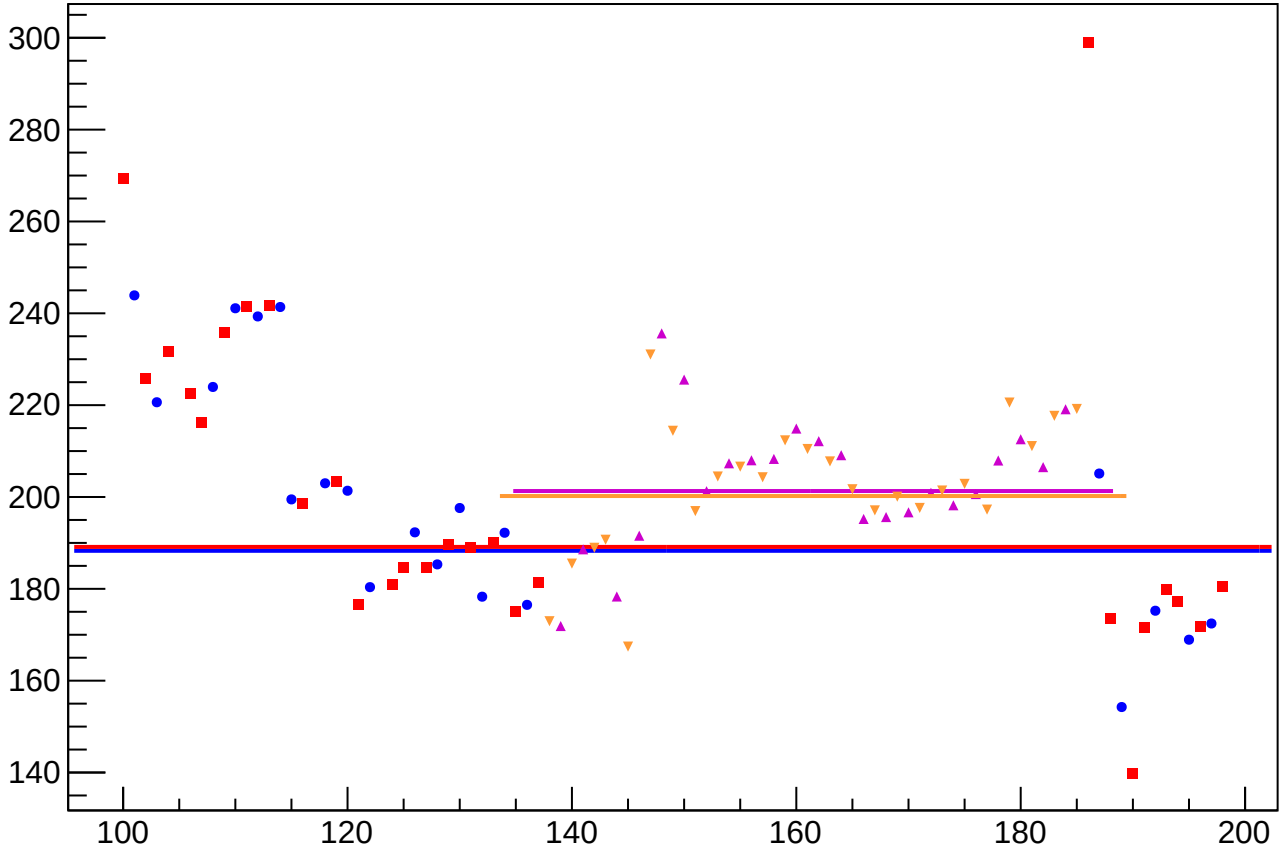
Right: 82.712+/-39.380 χ^2/NDF: 50.4/47

In: -86.744+/-36.634 χ^2/NDF:67.4/43

Out: -145.759+/-34.706 χ^2/NDF:86.8/51

All: -117.845+/-25.195 χ^2/NDF: 155.6/95

cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 188.282+/-0.041 χ^2/NDF: 332478.9/20

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 189.129+/-0.038 χ^2/NDF: 497453.5/26

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

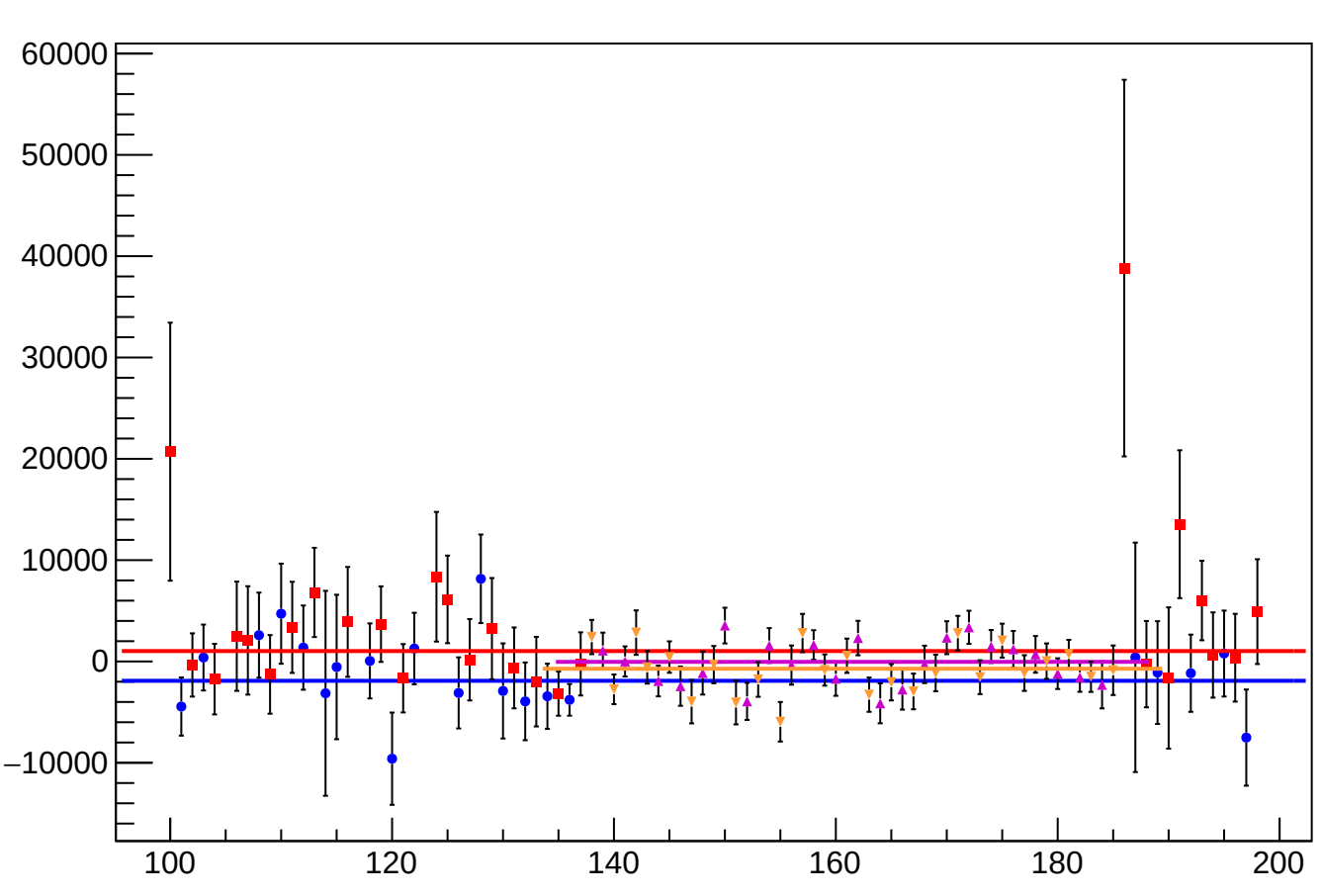
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 188.741+/-0.028 χ^2/NDF: 830162.3/47

In: 196.140+/-0.026 χ^2/NDF:574521.9/43

Out: 195.544+/-0.025 χ^2/NDF:751543.2/51

All: 195.826+/-0.018 χ^2/NDF: 1326344.3/95



Right In: -1908.922+/-797.954 χ^2/NDF: 18.2/20

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 1024.973+/-806.182 χ^2/NDF: 24.1/26

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

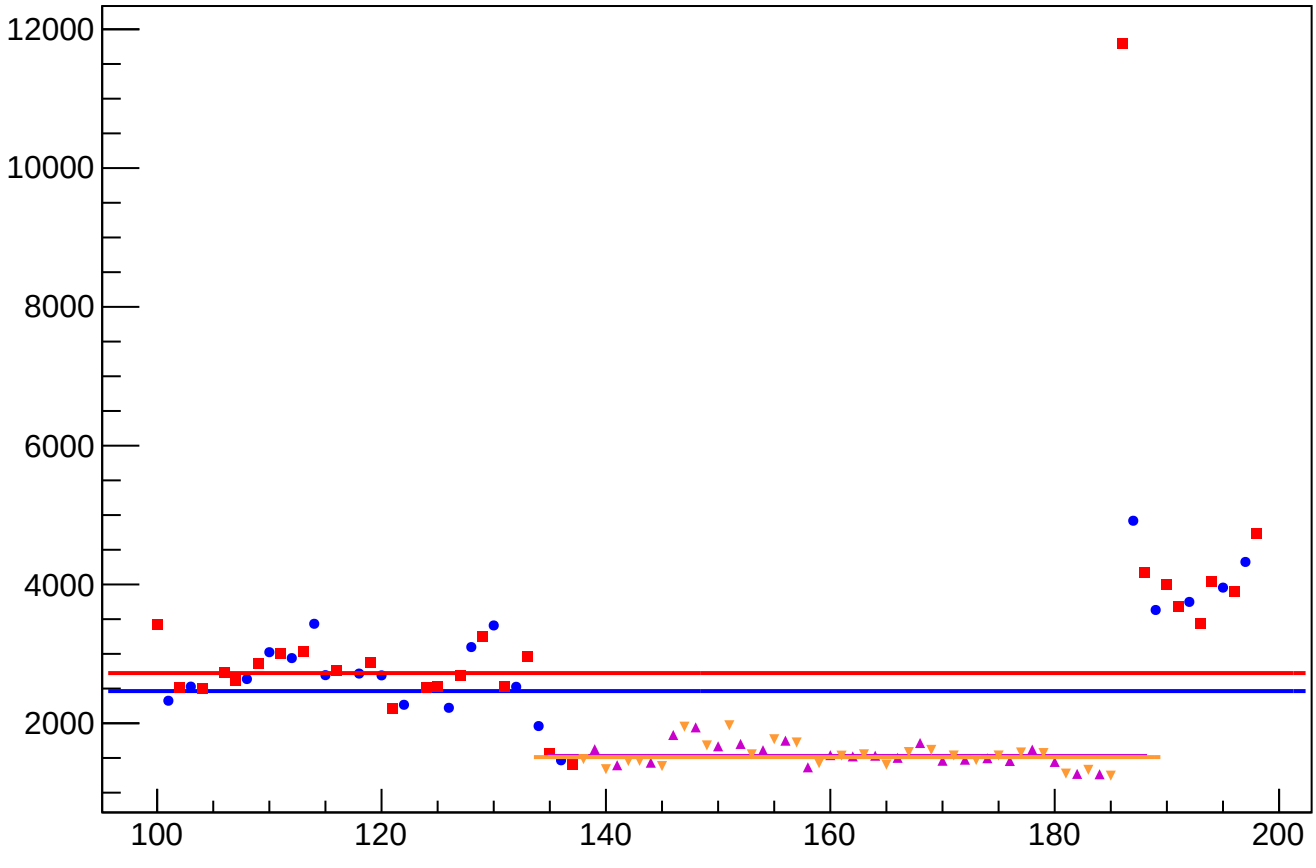
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -457.021+/-567.125 χ^2/NDF: 49.0/47

In: -354.393+/-327.593 χ^2/NDF:57.1/43

Out: -448.671+/-318.245 χ^2/NDF:66.3/51

All: -402.896+/-228.267 χ^2/NDF: 123.5/95



Right In: 2463.615+/-0.564 χ^2/NDF: 2080098.0/20

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2723.087+/-0.570 χ^2/NDF: 2580136.1/26

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

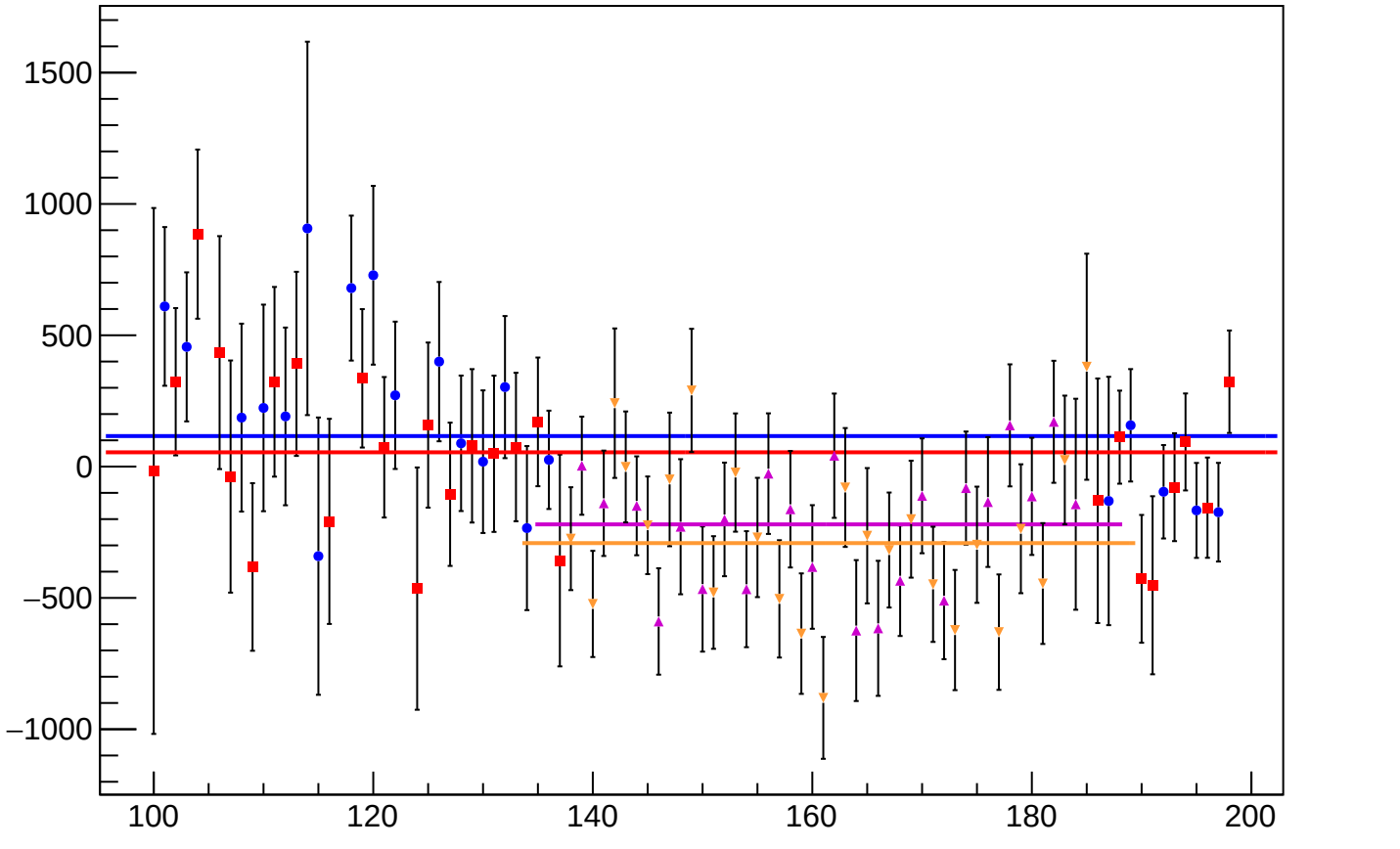
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2592.020+/-0.401 χ^2/NDF: 4764886.3/47

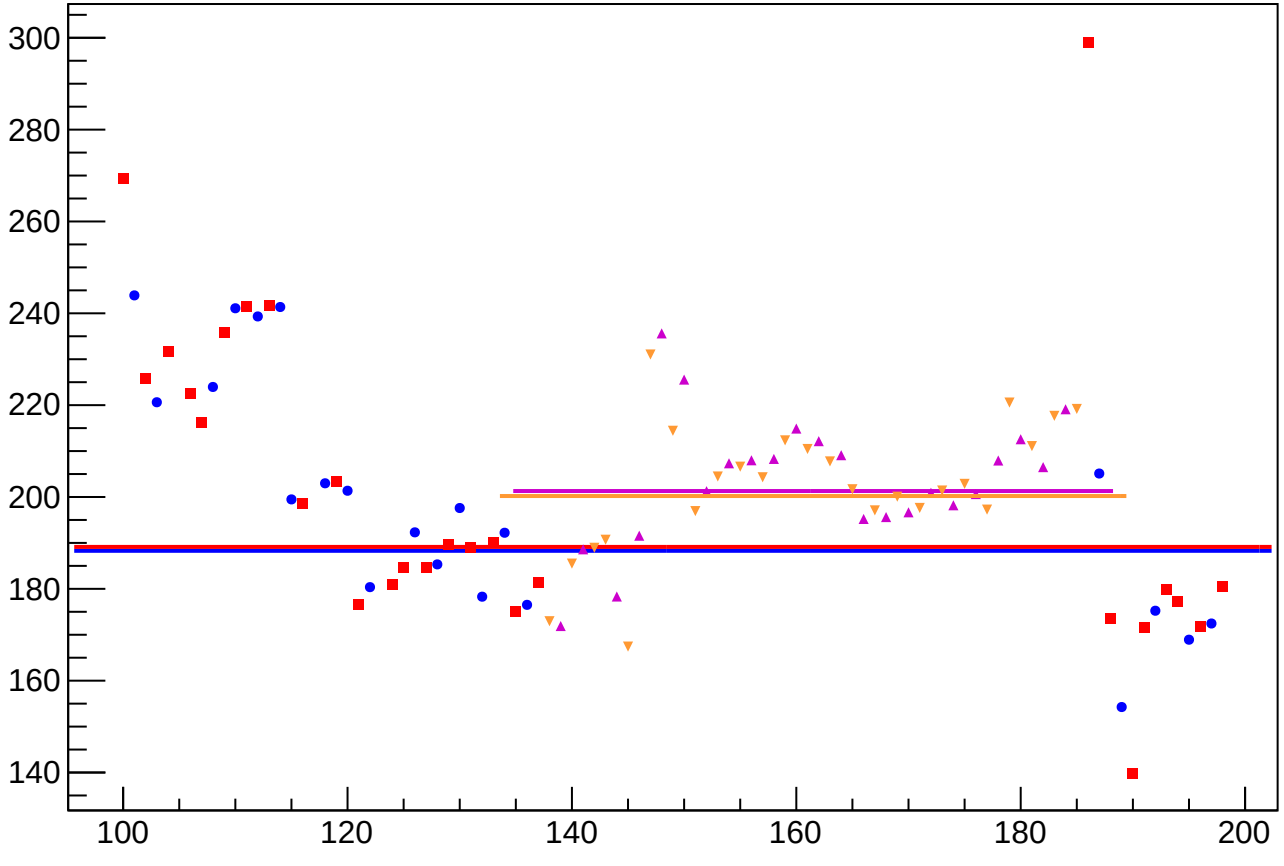
In: 1685.663+/-0.232 χ^2/NDF:4740281.1/43

Out: 1701.035+/-0.225 χ^2/NDF:6830564.3/51

All: 1693.571+/-0.161 χ^2/NDF: 11573111.0/9


eigen_cor_asym_sam_26_dd_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 116.286+/-58.198 χ²/NDF: 23.5/20
Left Out: -291.316+/-45.614 χ²/NDF:36.4/24
Right Out: 54.357+/-53.484 χ²/NDF: 26.3/26
Left In: -219.983+/-47.146 χ²/NDF:23.7/22
Left: -256.827+/-32.782 χ²/NDF: 61.3/47
Right: 82.712+/-39.380 χ²/NDF: 50.4/47
In: -86.744+/-36.634 χ²/NDF:67.4/43
Out: -145.759+/-34.706 χ²/NDF:86.8/51
All: -117.845+/-25.195 χ²/NDF: 155.6/95

eigen_cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 188.282+/-0.041 χ^2/NDF: 332478.9/20

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 189.129+/-0.038 χ^2/NDF: 497453.5/26

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

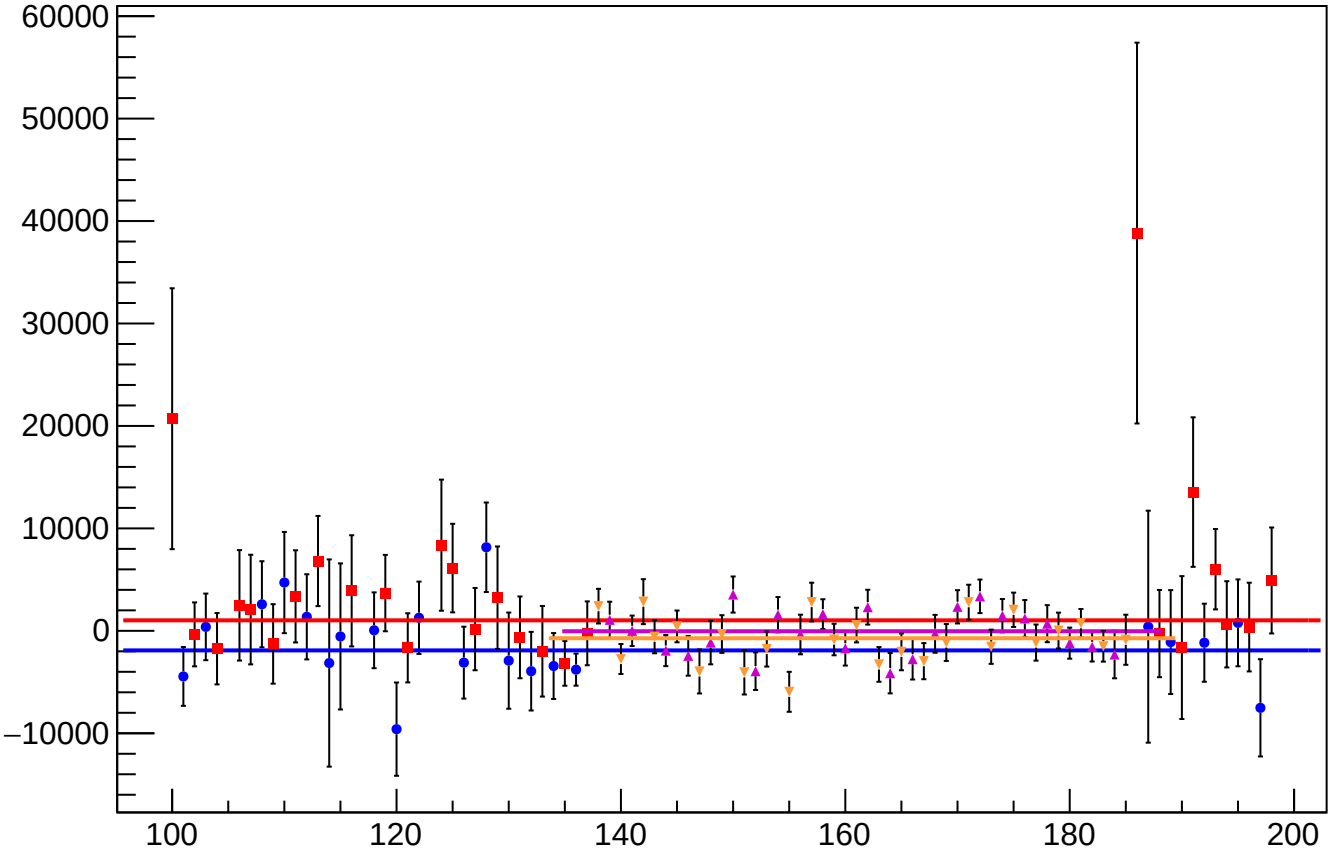
Right: 188.741+/-0.028 χ^2/NDF: 830162.3/47

In: 196.140+/-0.026 χ^2/NDF:574521.9/43

Out: 195.544+/-0.025 χ^2/NDF:751543.2/51

All: 195.826+/-0.018 χ^2/NDF: 1326344.3/95

asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1908.922+/-797.954 χ^2/NDF: 18.2/20

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 1024.973+/-806.182 χ^2/NDF: 24.1/26

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

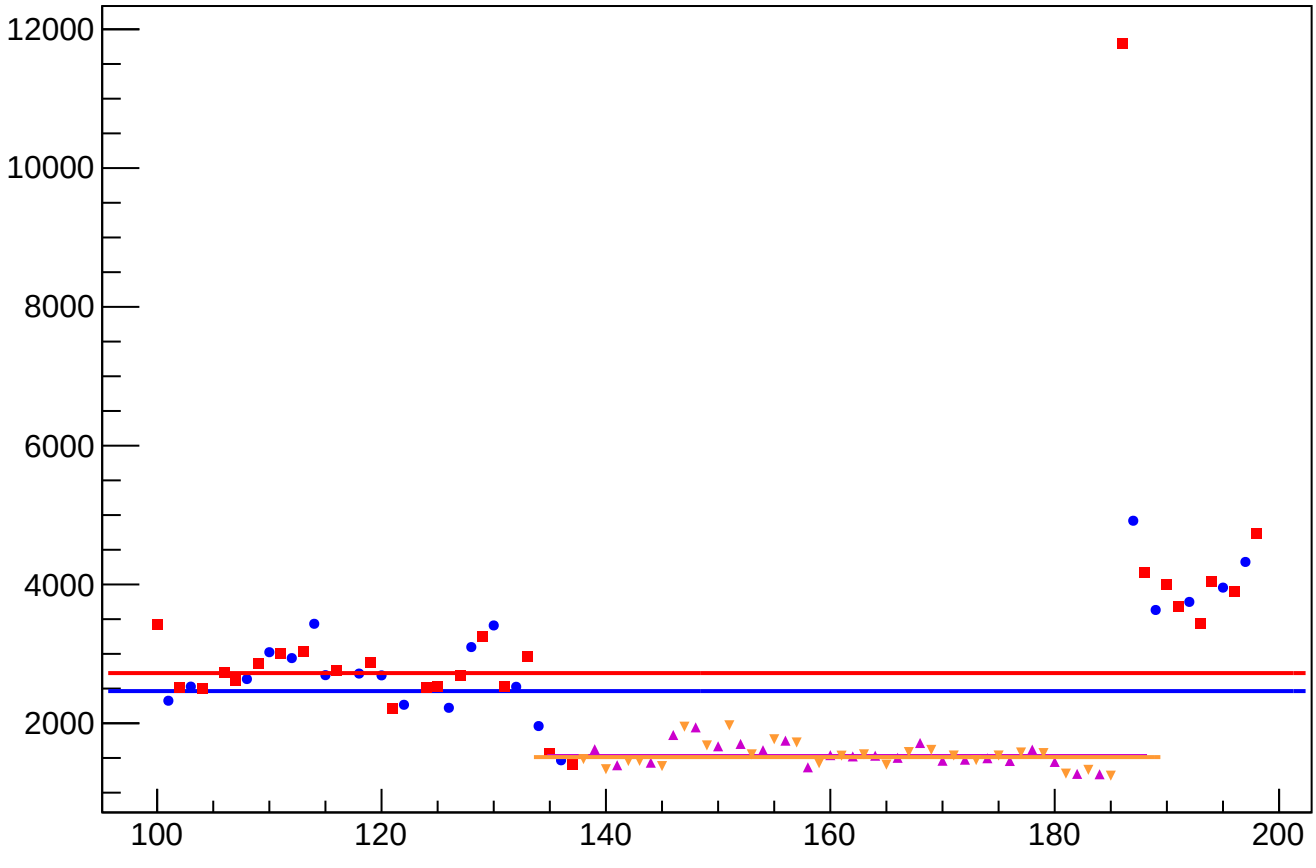
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -457.021+/-567.125 χ^2/NDF: 49.0/47

In: -354.393+/-327.593 χ^2/NDF:57.1/43

Out: -448.671+/-318.245 χ^2/NDF:66.3/51

All: -402.896+/-228.267 χ^2/NDF: 123.5/95



Right In: 2463.615+/-0.564 χ^2/NDF: 2080098.0/20

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2723.087+/-0.570 χ^2/NDF: 2580136.1/26

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

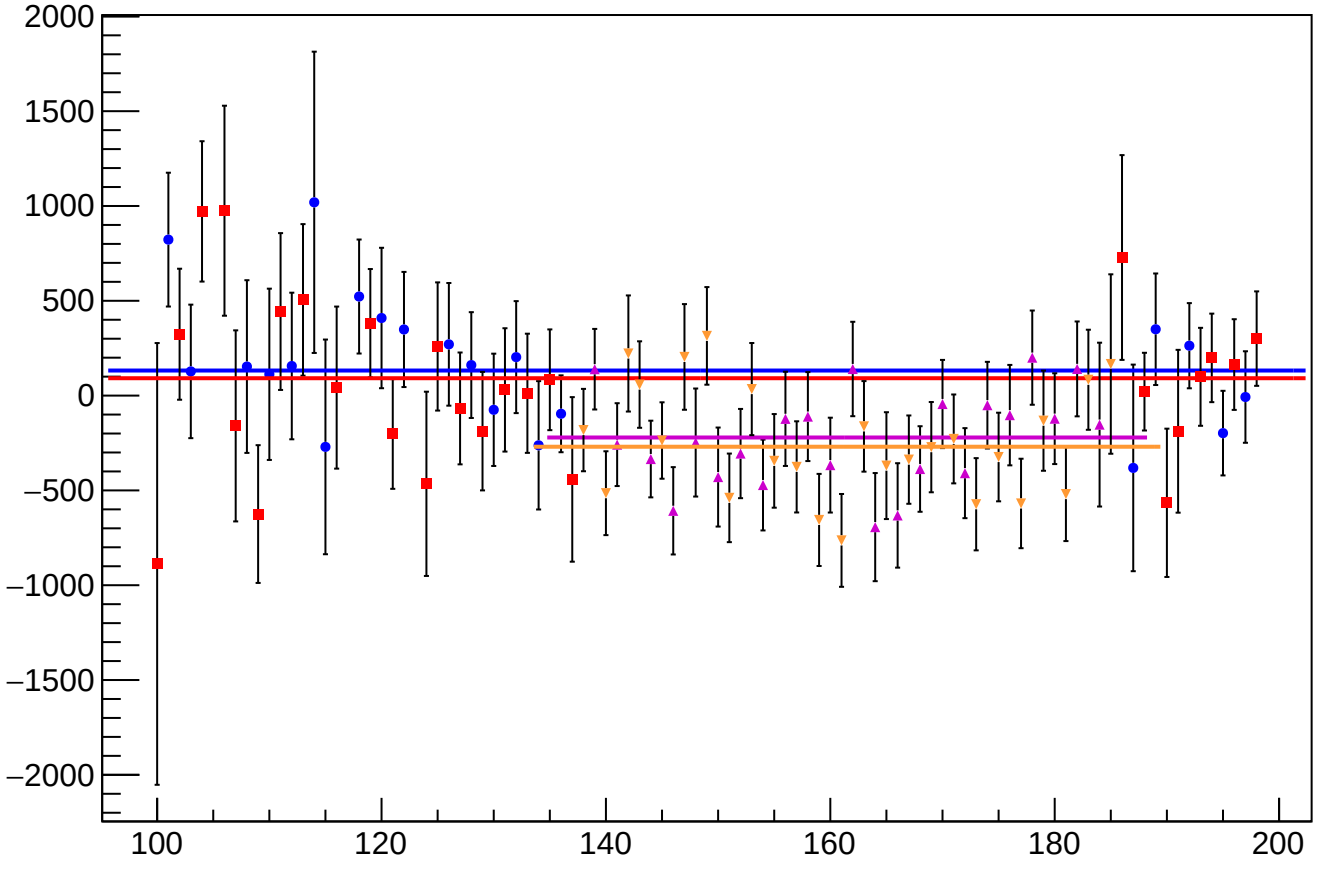
Right: 2592.020+/-0.401 χ^2/NDF: 4764886.3/47

In: 1685.663+/-0.232 χ^2/NDF:4740281.1/43

Out: 1701.035+/-0.225 χ^2/NDF:6830564.3/51

All: 1693.571+/-0.161 χ^2/NDF: 11573111.0/9

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 132.225+/-67.921 χ^2/NDF: 16.0/20

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: 91.637+/-62.880 χ^2/NDF: 27.4/26

Left In: -220.926+/-50.956 χ^2/NDF:23.4/22

Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

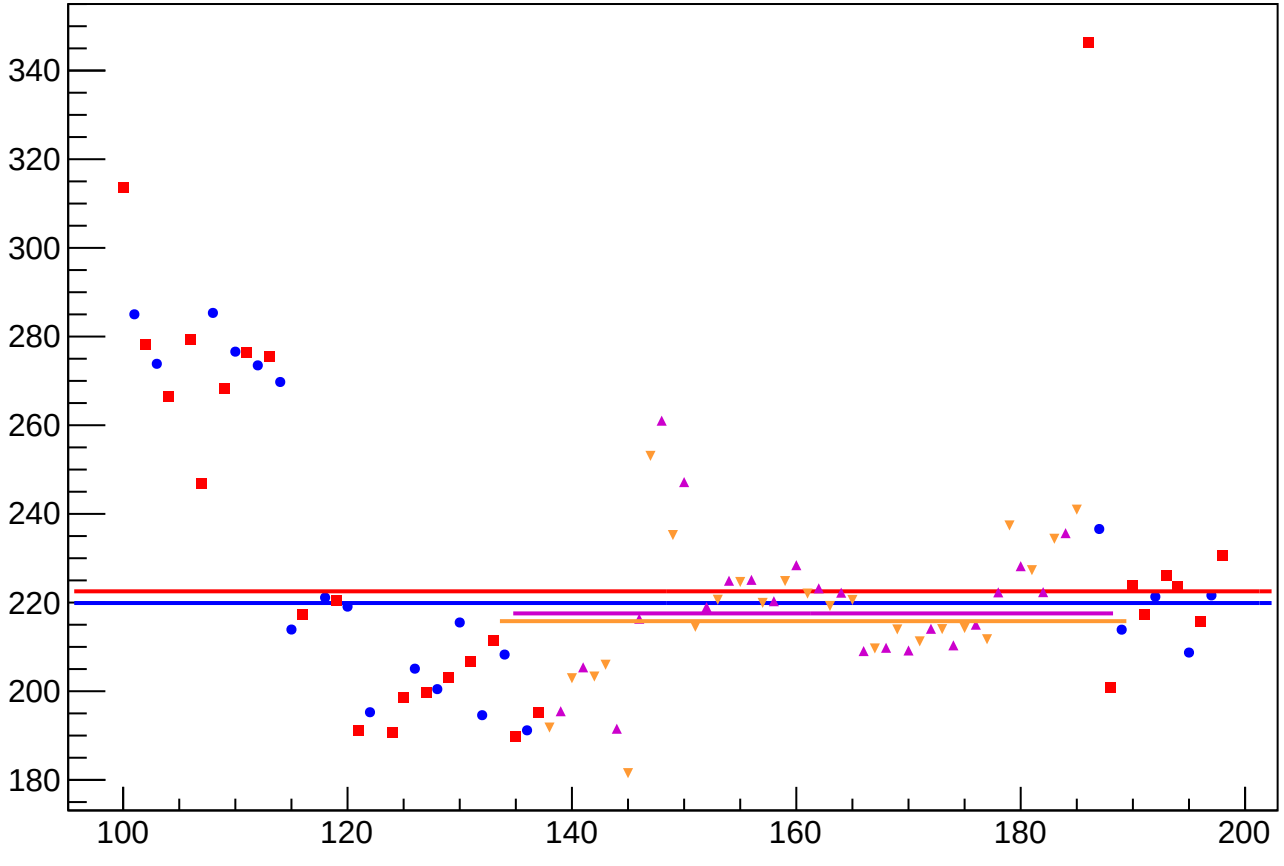
Right: 110.369+/-46.142 χ^2/NDF: 43.6/47

In: -93.744+/-40.760 χ^2/NDF:56.7/43

Out: -132.620+/-38.728 χ^2/NDF:79.4/51

All: -114.175+/-28.076 χ^2/NDF: 136.5/95

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 219.896+/-0.048 χ^2/NDF: 327063.5/20

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 222.534+/-0.044 χ^2/NDF: 459012.5/26

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

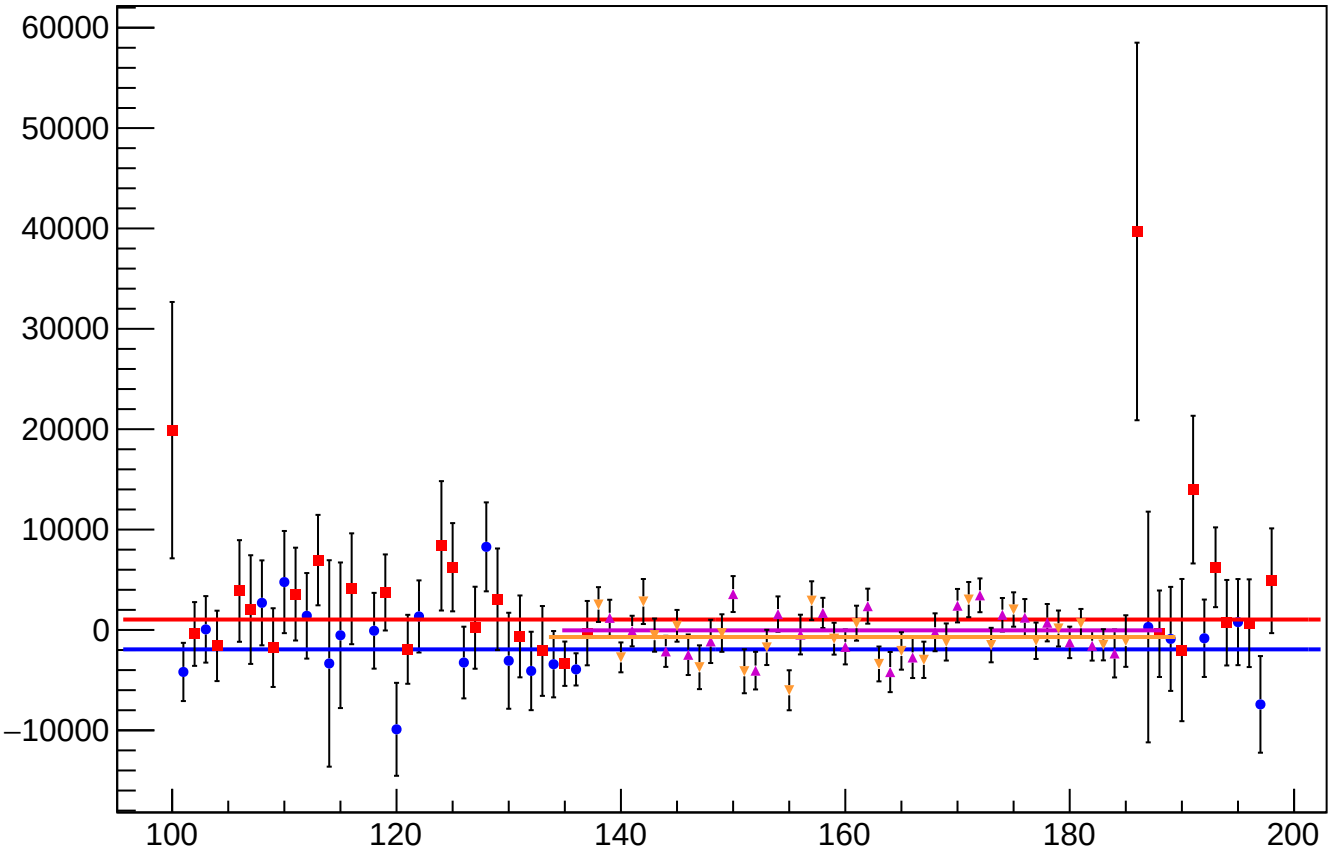
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

Right: 221.317+/-0.033 χ^2/NDF: 787701.2/47

In: 218.398+/-0.029 χ^2/NDF:489650.4/43

Out: 218.359+/-0.027 χ^2/NDF:661922.7/51

All: 218.377+/-0.020 χ^2/NDF: 1151574.1/95



Right In: -1935.640+/-813.552 χ^2/NDF: 18.0/20

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 1038.017+/-817.136 χ^2/NDF: 25.0/26

Left In: -39.658+/-368.873 χ^2/NDF:34.3/22

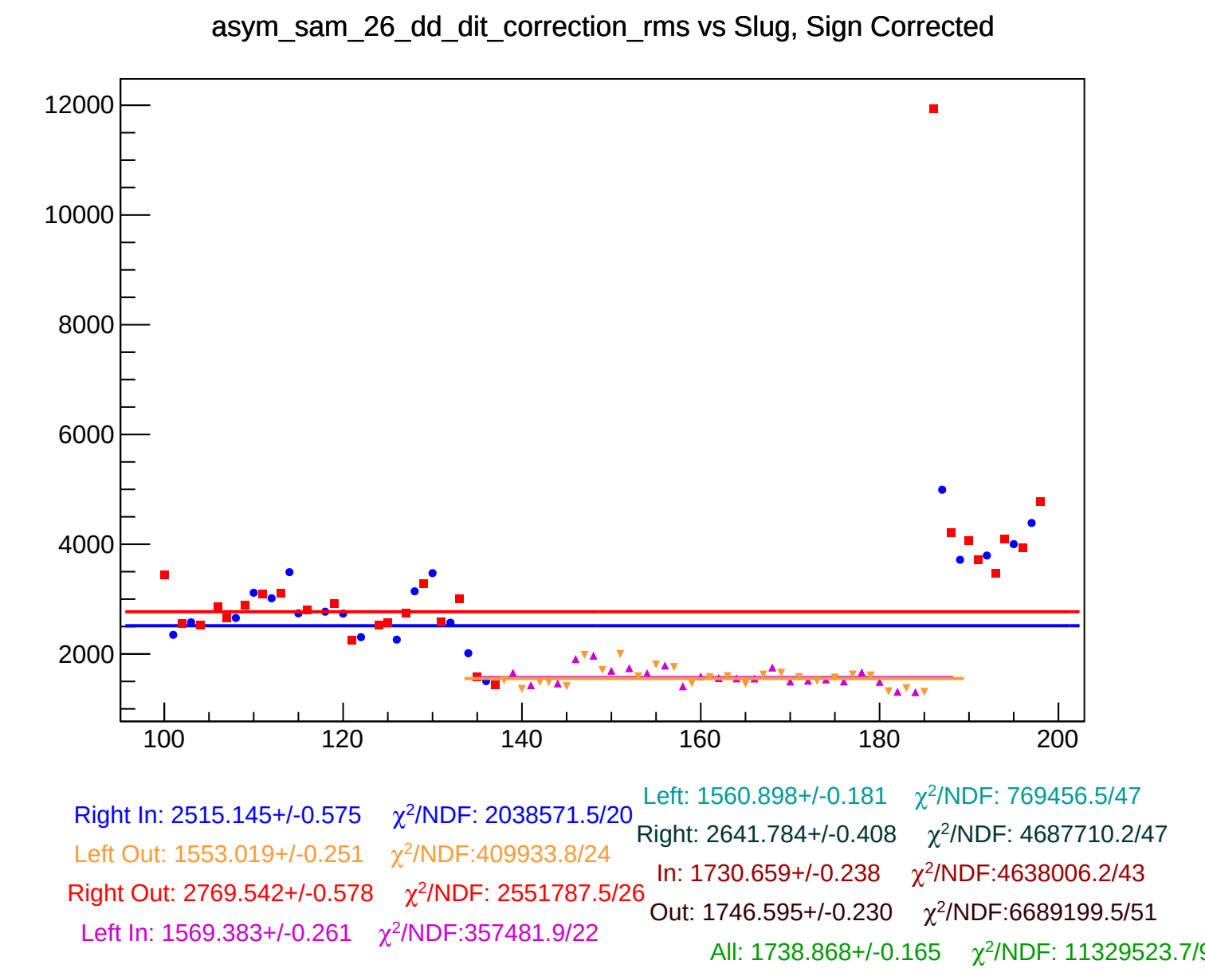
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

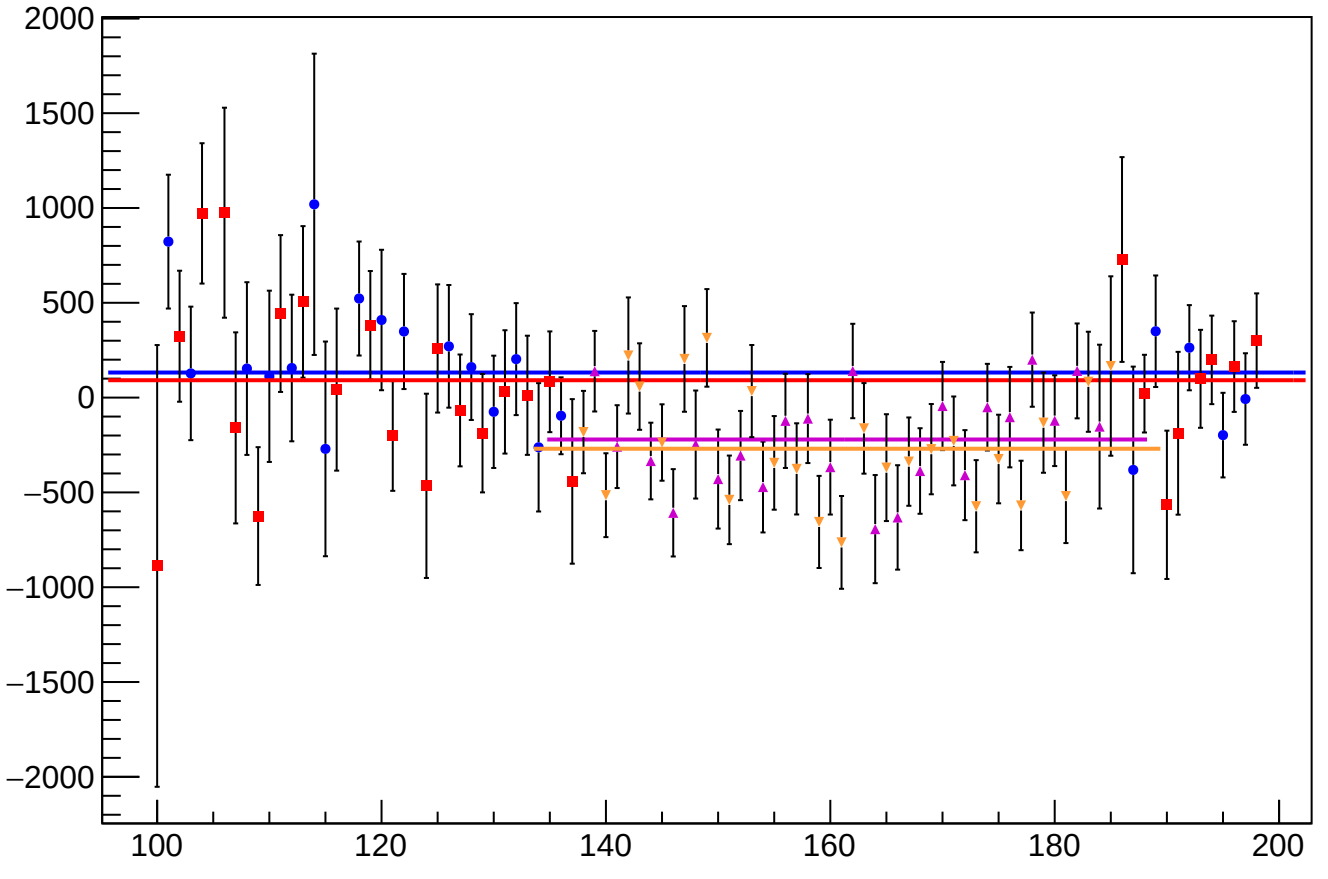
Right: -455.347+/-576.531 χ^2/NDF: 49.7/47

In: -362.970+/-335.953 χ^2/NDF:56.8/43

Out: -426.817+/-325.956 χ^2/NDF:66.4/51

All: -395.857+/-233.940 χ^2/NDF: 123.3/95


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: 2515.145+/-0.575 χ²/NDF: 2038571.5/20
Left Out: 1553.019+/-0.251 χ²/NDF:409933.8/24
Right Out: 2769.542+/-0.578 χ²/NDF: 2551787.5/26
Left In: 1569.383+/-0.261 χ²/NDF:357481.9/22
Left: 1560.898+/-0.181 χ²/NDF: 769456.5/47
Right: 2641.784+/-0.408 χ²/NDF: 4687710.2/47
In: 1730.659+/-0.238 χ²/NDF:4638006.2/43
Out: 1746.595+/-0.230 χ²/NDF:6689199.5/51
All: 1738.868+/-0.165 χ²/NDF: 11329523.7/9



Right In: 132.227+/-67.921 χ^2/NDF: 16.0/20

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: 91.638+/-62.880 χ^2/NDF: 27.4/26

Left In: -220.927+/-50.956 χ^2/NDF:23.4/22

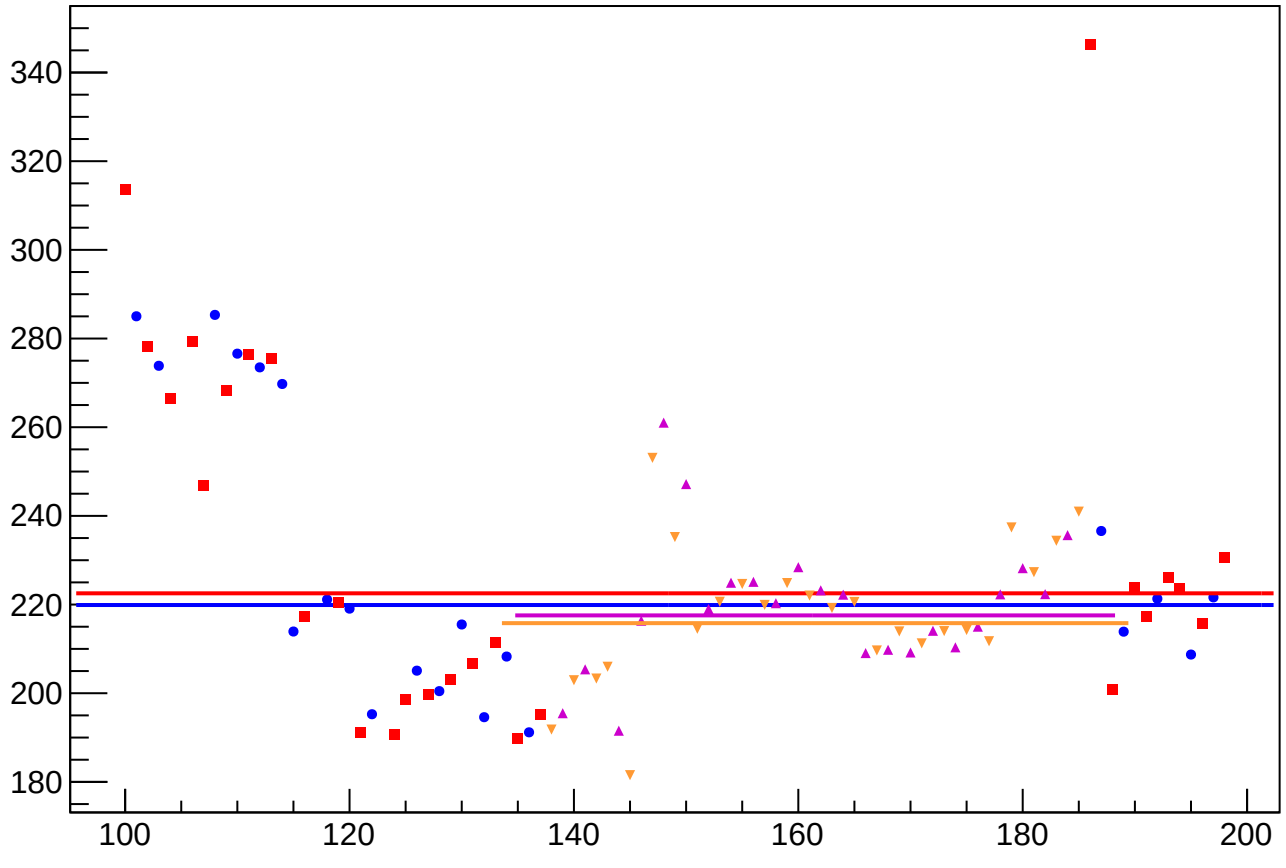
Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

Right: 110.370+/-46.142 χ^2/NDF: 43.6/47

In: -93.743+/-40.760 χ^2/NDF:56.7/43

Out: -132.620+/-38.728 χ^2/NDF:79.4/51

All: -114.175+/-28.076 χ^2/NDF: 136.5/95



Right In: 219.895+/-0.048 χ^2/NDF: 327057.0/20

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

Right Out: 222.534+/-0.044 χ^2/NDF: 458997.6/26

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

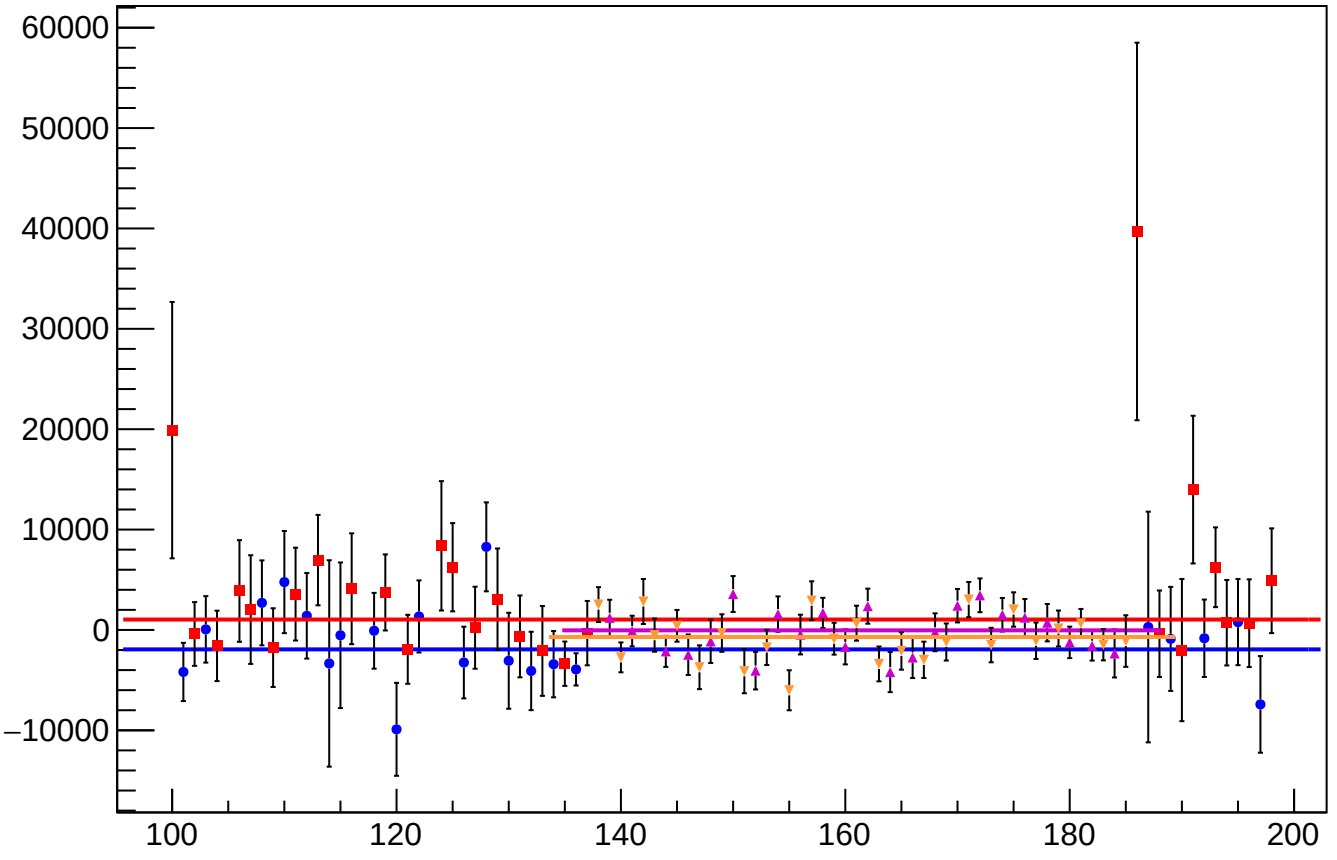
Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

Right: 221.316+/-0.033 χ^2/NDF: 787680.1/47

In: 218.397+/-0.029 χ^2/NDF:489645.8/43

Out: 218.358+/-0.027 χ^2/NDF:661910.0/51

All: 218.377+/-0.020 χ^2/NDF: 1151556.8/95



Right In: -1935.636+/-813.551 χ^2/NDF: 18.0/20

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 1038.017+/-817.135 χ^2/NDF: 25.0/26

Left In: -39.657+/-368.873 χ^2/NDF:34.3/22

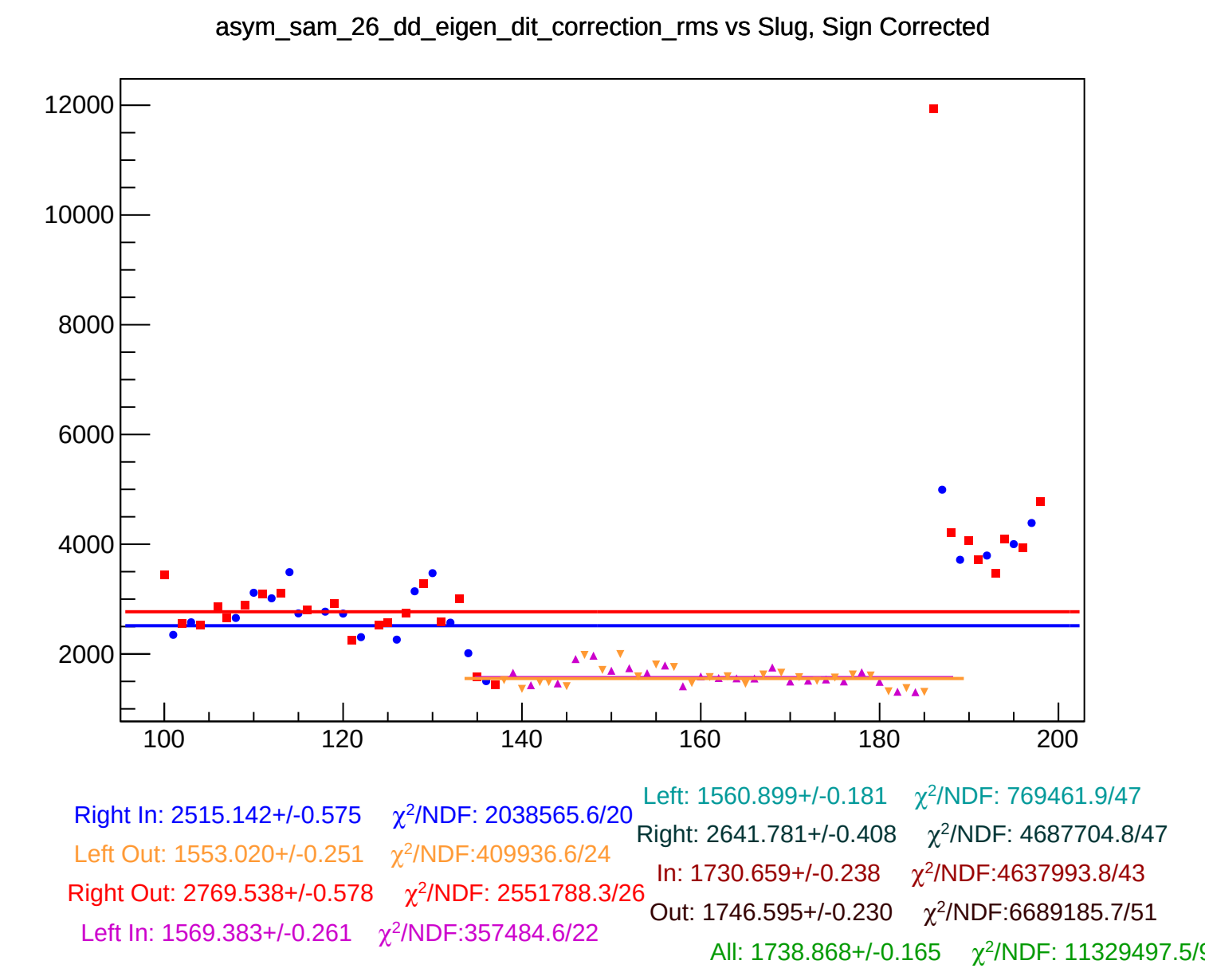
Left: -384.131+/-255.960 χ^2/NDF: 73.6/47

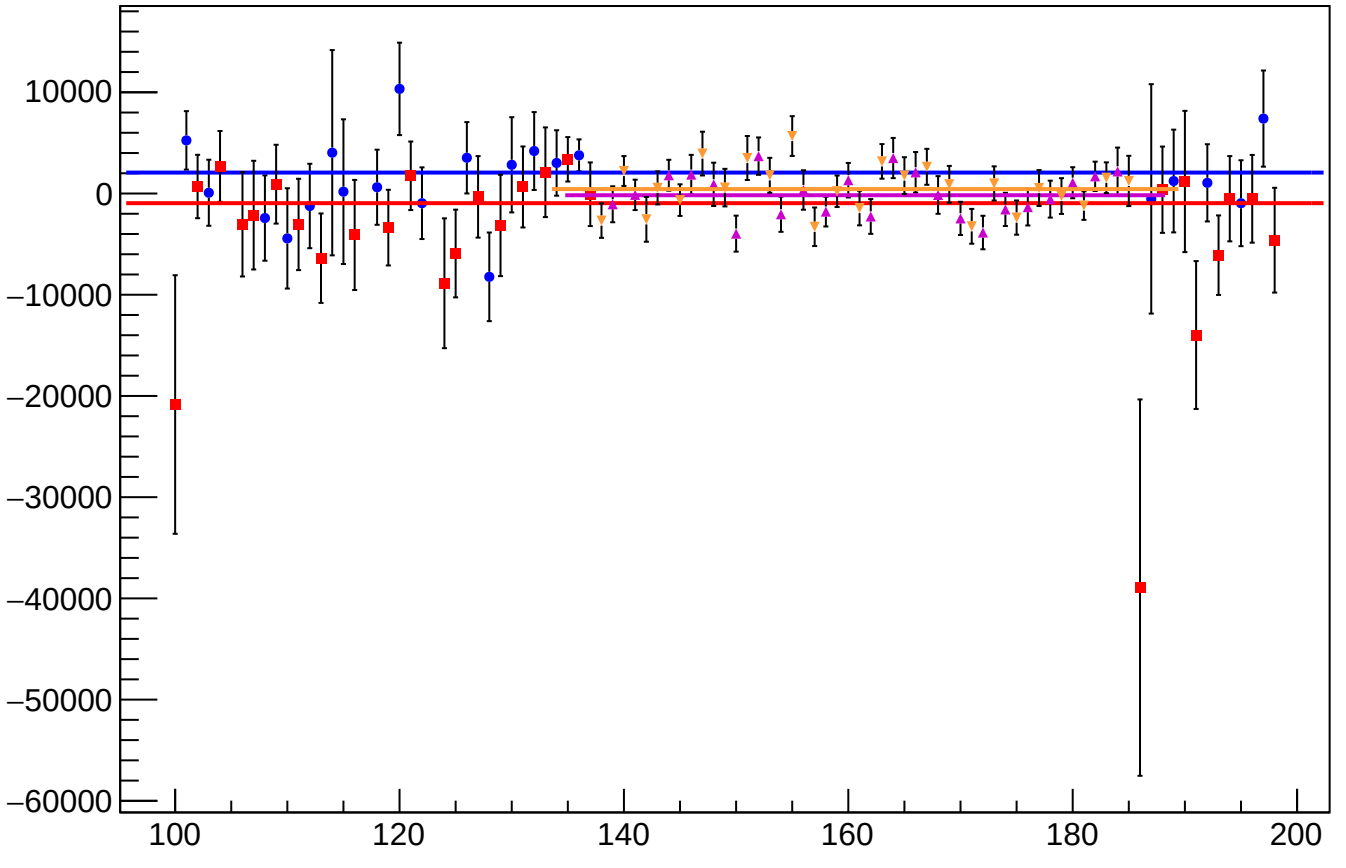
Right: -455.345+/-576.530 χ^2/NDF: 49.7/47

In: -362.969+/-335.953 χ^2/NDF:56.8/43

Out: -426.816+/-325.956 χ^2/NDF:66.4/51

All: -395.857+/-233.940 χ^2/NDF: 123.3/95


asym_sam_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 2515.142+/-0.575 χ²/NDF: 2038565.6/20
Left Out: 1553.020+/-0.251 χ²/NDF:409936.6/24
Right Out: 2769.538+/-0.578 χ²/NDF: 2551788.3/26
Left In: 1569.383+/-0.261 χ²/NDF:357484.6/22
Left: 1560.899+/-0.181 χ²/NDF: 769461.9/47
Right: 2641.781+/-0.408 χ²/NDF: 4687704.8/47
In: 1730.659+/-0.238 χ²/NDF:4637993.8/43
Out: 1746.595+/-0.230 χ²/NDF:6689185.7/51
All: 1738.868+/-0.165 χ²/NDF: 11329497.5/9



Right In: 2069.121+/-801.424 χ^2/NDF: 18.6/20

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: -952.977+/-808.057 χ^2/NDF: 24.8/26

Left In: -169.827+/-362.550 χ^2/NDF:33.0/22

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

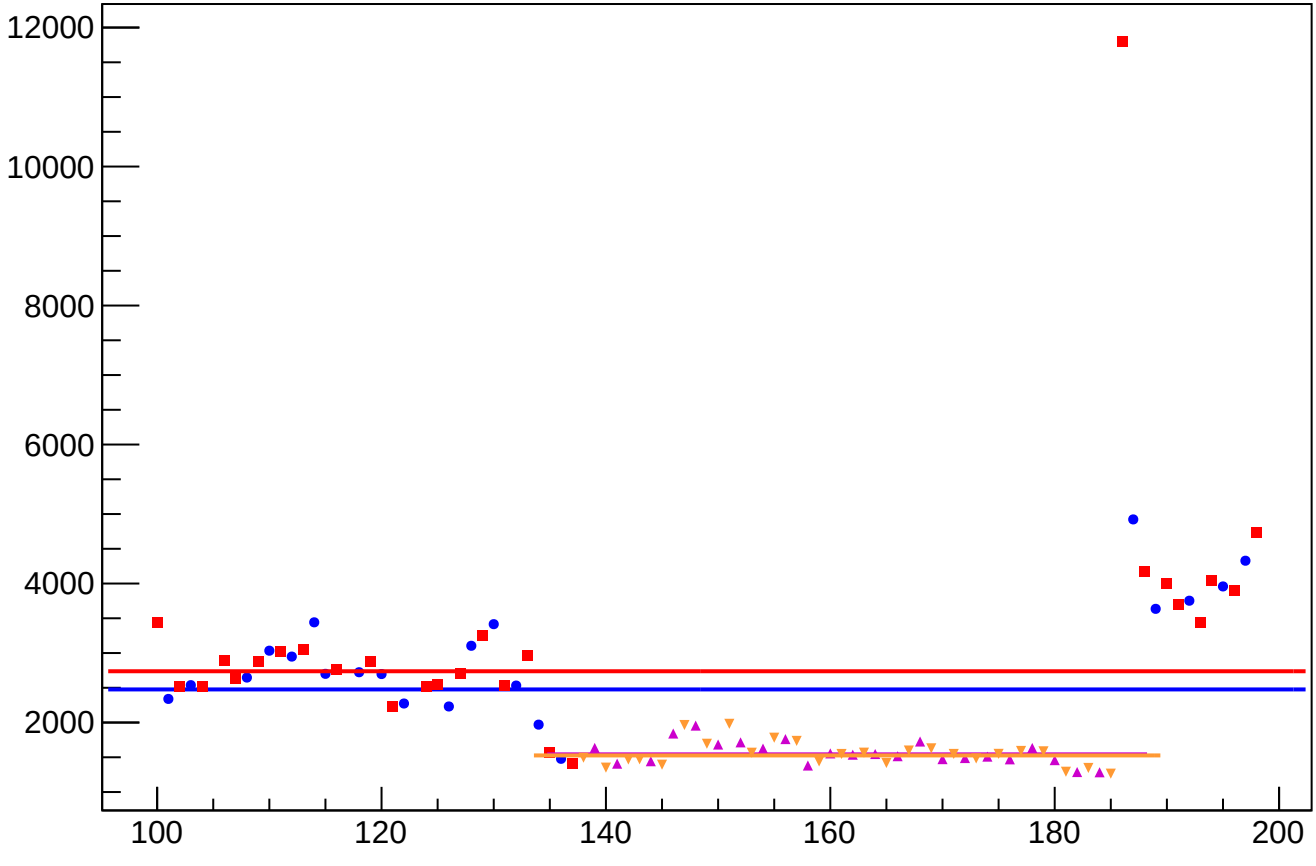
Right: 570.527+/-569.023 χ^2/NDF: 50.4/47

In: 210.532+/-330.322 χ^2/NDF:58.0/43

Out: 218.305+/-320.844 χ^2/NDF:66.1/51

All: 214.532+/-230.149 χ^2/NDF: 124.2/95

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2476.247+/-0.567 χ^2/NDF: 2052109.8/20

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2737.903+/-0.571 χ^2/NDF: 2555169.5/26

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

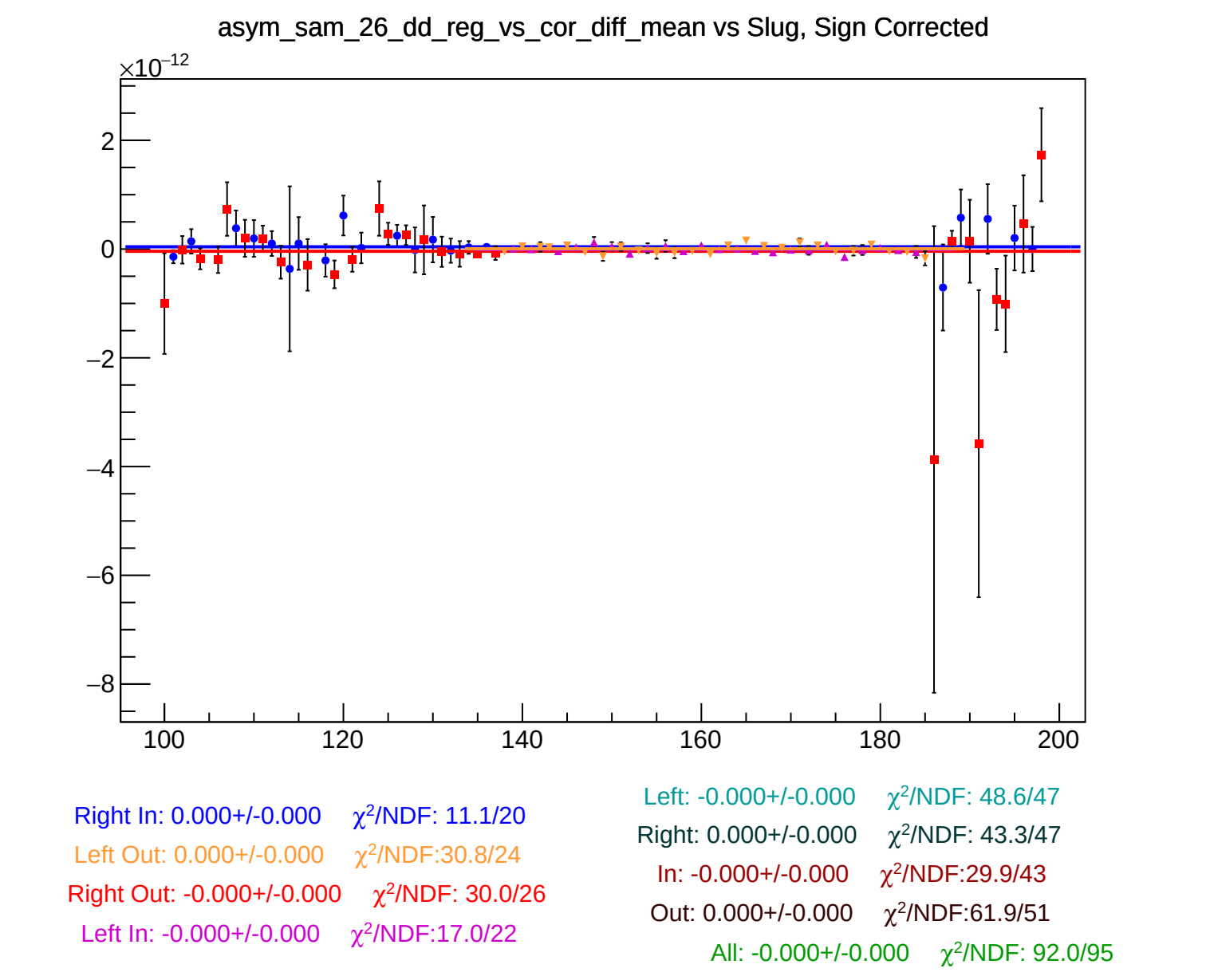
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

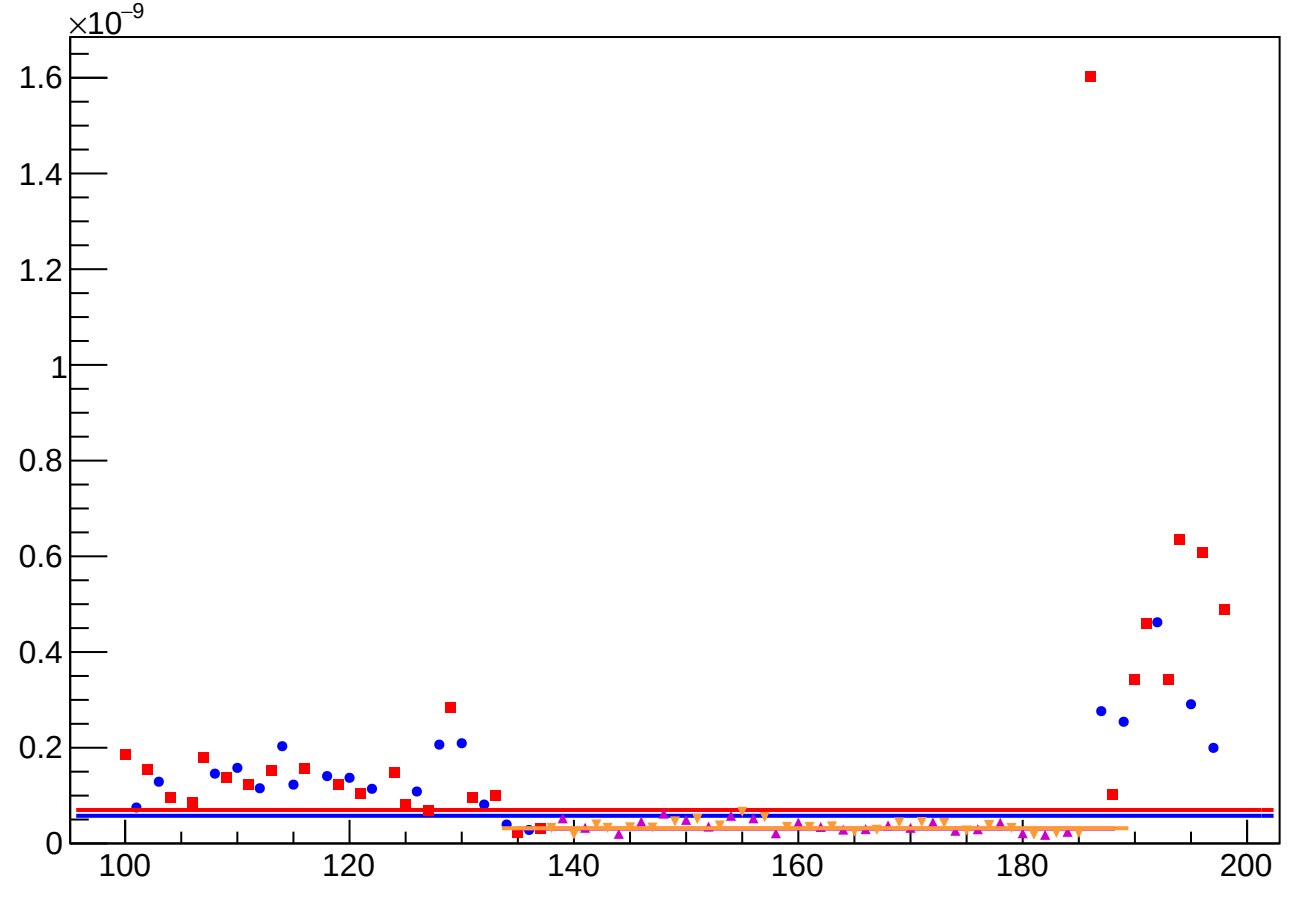
Right: 2605.997+/-0.402 χ^2/NDF: 4712995.5/47

In: 1700.931+/-0.234 χ^2/NDF:4669285.8/43

Out: 1717.672+/-0.227 χ^2/NDF:6769519.3/51

All: 1709.545+/-0.163 χ^2/NDF: 11441448.4/9


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: 11.1/20
Left Out: 0.000+/-0.000 χ²/NDF:30.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 30.0/26
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: 43.3/47
In: -0.000+/-0.000 χ²/NDF:29.9/43
Out: 0.000+/-0.000 χ²/NDF:61.9/51
All: -0.000+/-0.000 χ²/NDF: 92.0/95



Right In: 0.000+/-0.000 χ^2/NDF: 4399130.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5578773.1/26

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

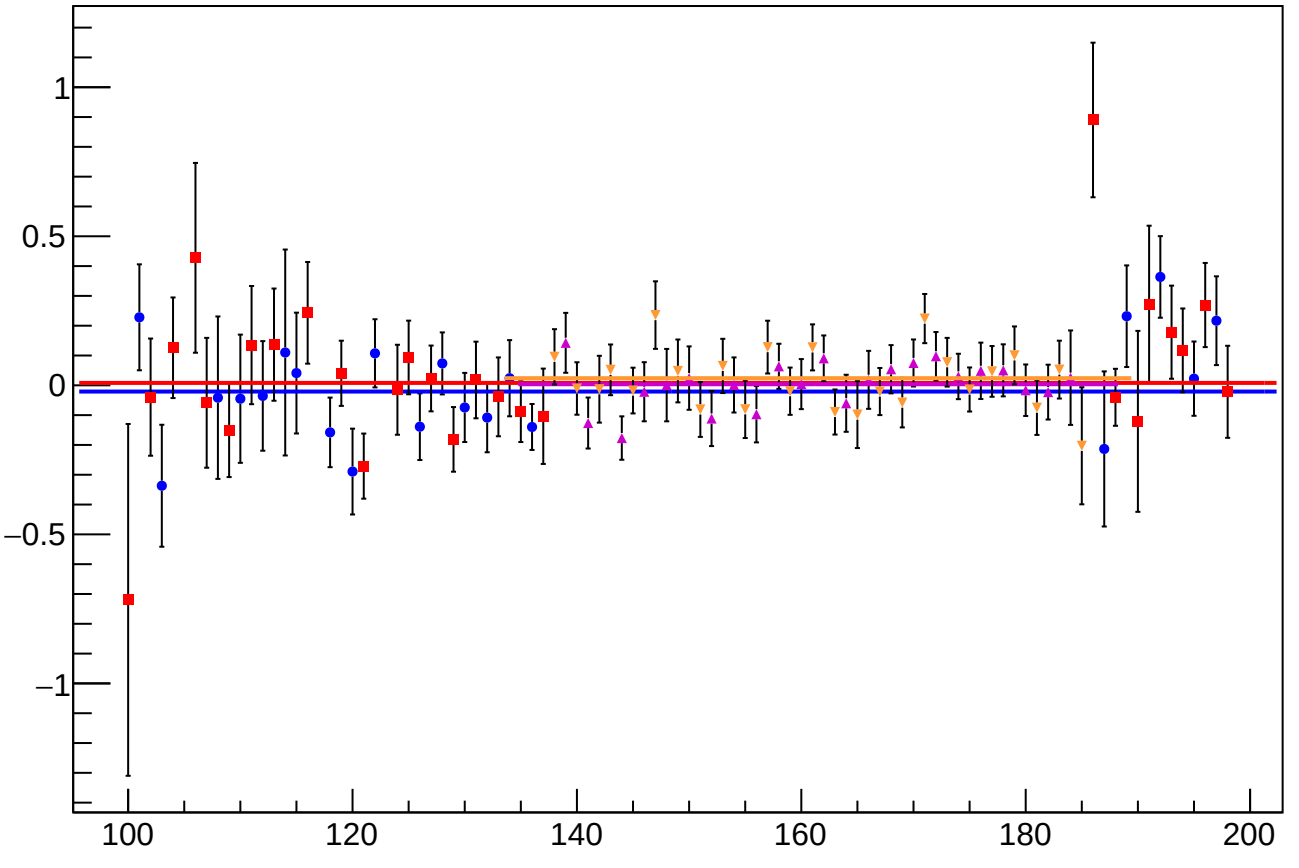
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 10074899.7/47

In: 0.000+/-0.000 χ^2/NDF:6981136.8/43

Out: 0.000+/-0.000 χ^2/NDF:8336858.6/51

All: 0.000+/-0.000 χ^2/NDF: 15323068.5/95



Right In: -0.021+/-0.030 χ^2/NDF: 29.2/20

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.008+/-0.028 χ^2/NDF: 37.7/26

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

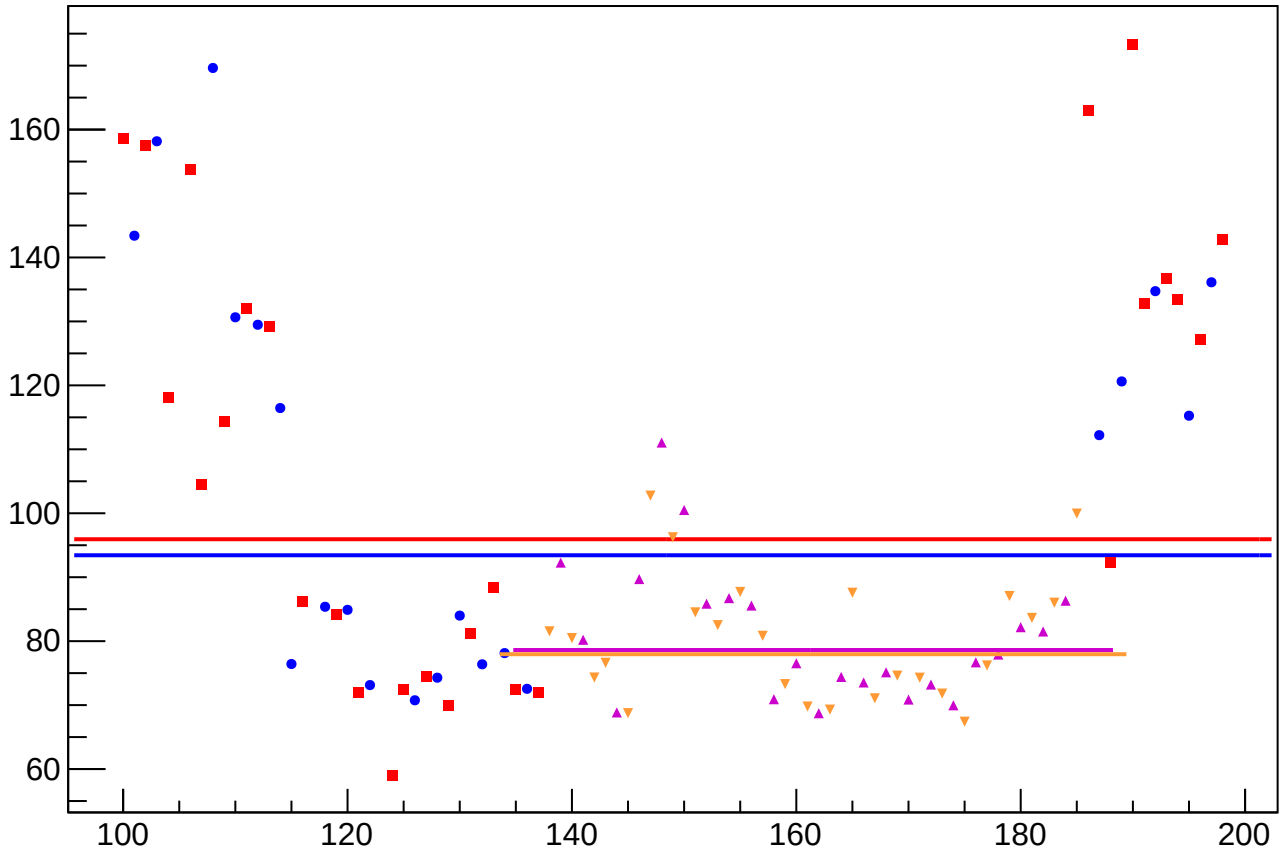
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.006+/-0.021 χ^2/NDF: 67.4/47

In: -0.003+/-0.016 χ^2/NDF:48.6/43

Out: 0.019+/-0.015 χ^2/NDF:63.4/51

All: 0.009+/-0.011 χ^2/NDF: 113.1/95



Right In: 93.433+/-0.021 χ^2/NDF: 1605193.5/20

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 95.938+/-0.020 χ^2/NDF: 2037165.7/26

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

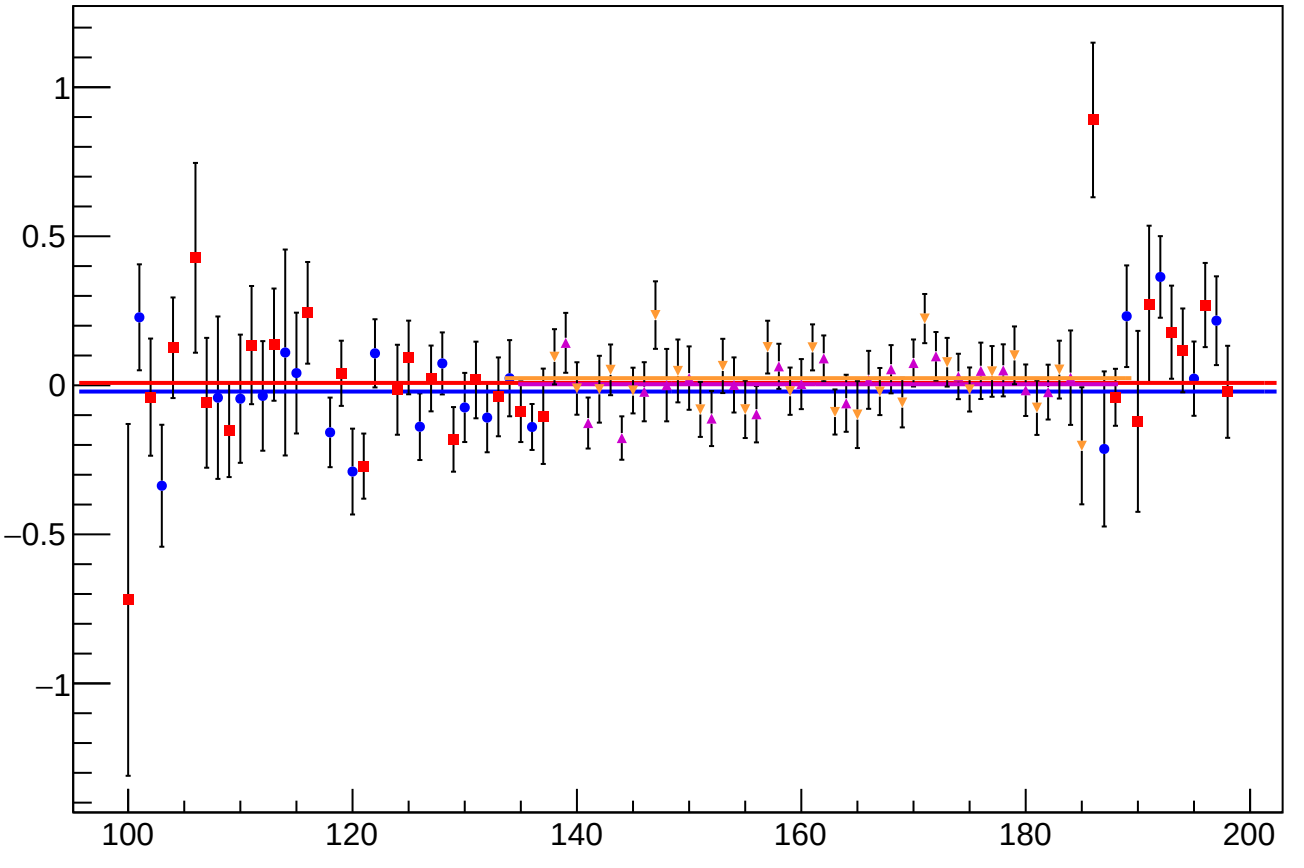
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 94.760+/-0.015 χ^2/NDF: 3649763.6/47

In: 82.725+/-0.011 χ^2/NDF:2456360.3/43

Out: 83.092+/-0.011 χ^2/NDF:3056075.6/51

All: 82.917+/-0.008 χ^2/NDF: 5513003.6/95



Right In: -0.021+/-0.030 χ^2/NDF: 29.2/20

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.008+/-0.028 χ^2/NDF: 37.7/26

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

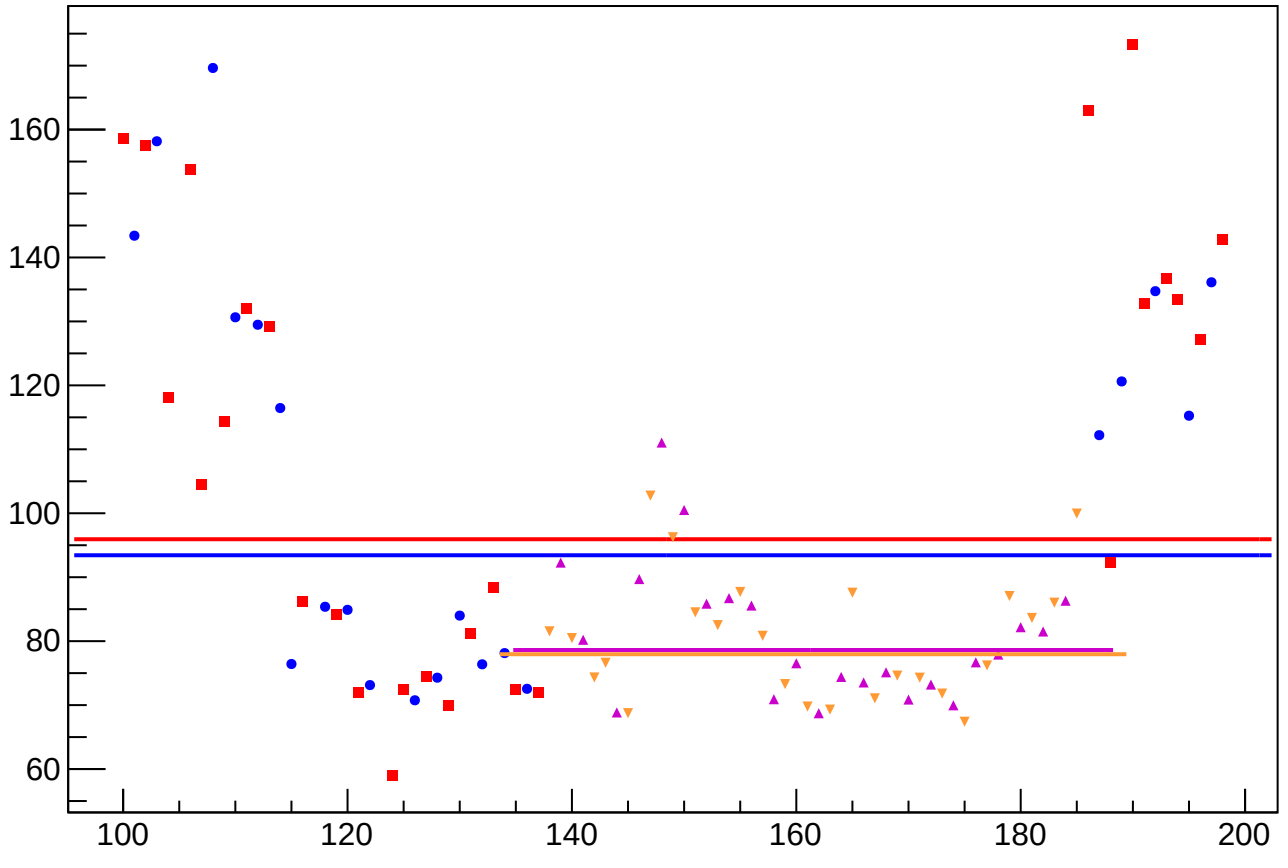
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.006+/-0.021 χ^2/NDF: 67.4/47

In: -0.003+/-0.016 χ^2/NDF:48.6/43

Out: 0.019+/-0.015 χ^2/NDF:63.4/51

All: 0.009+/-0.011 χ^2/NDF: 113.1/95



Right In: 93.433+/-0.021 χ^2/NDF: 1605193.5/20

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 95.938+/-0.020 χ^2/NDF: 2037165.7/26

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

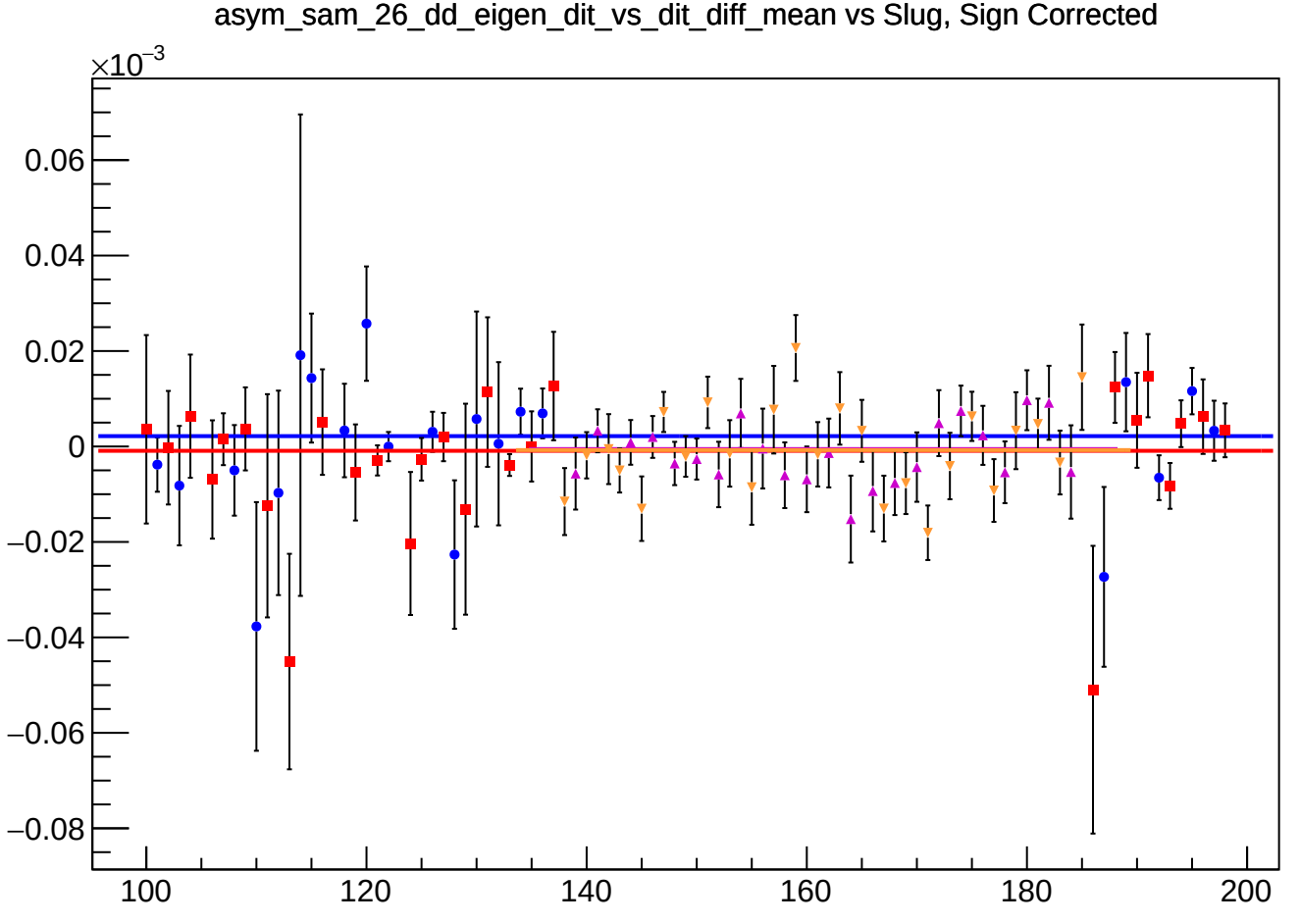
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 94.760+/-0.015 χ^2/NDF: 3649763.6/47

In: 82.725+/-0.011 χ^2/NDF:2456360.3/43

Out: 83.092+/-0.011 χ^2/NDF:3056075.6/51

All: 82.917+/-0.008 χ^2/NDF: 5513003.6/95



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/26

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

Left: -0.000+/-0.000 χ^2/NDF: 66.2/47

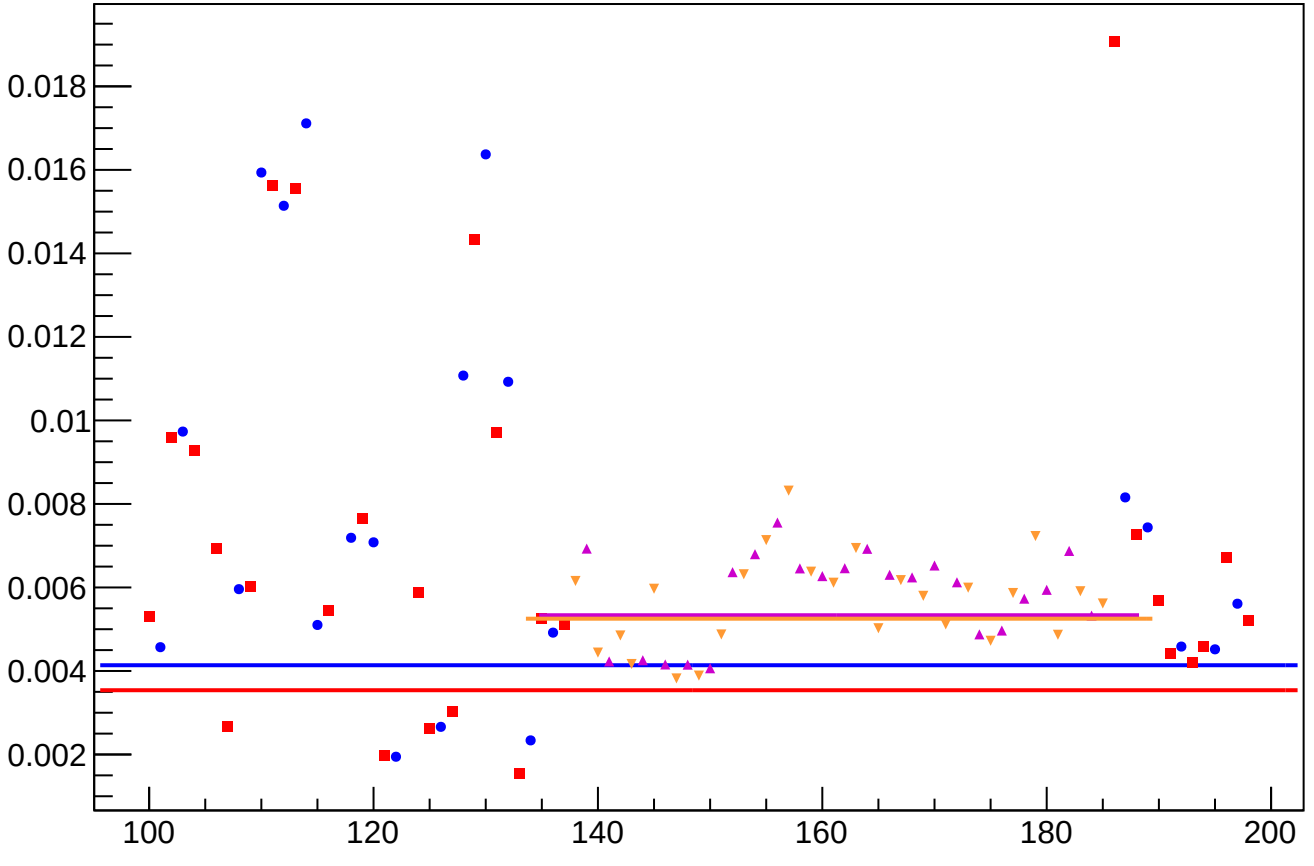
Right: 0.000+/-0.000 χ^2/NDF: 55.4/47

In: 0.000+/-0.000 χ^2/NDF:46.4/43

Out: -0.000+/-0.000 χ^2/NDF:74.6/51

All: -0.000+/-0.000 χ^2/NDF: 122.2/95

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 5212923.3/20

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

Right Out: 0.004+/-0.000 χ^2/NDF: 7673293.7/26

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

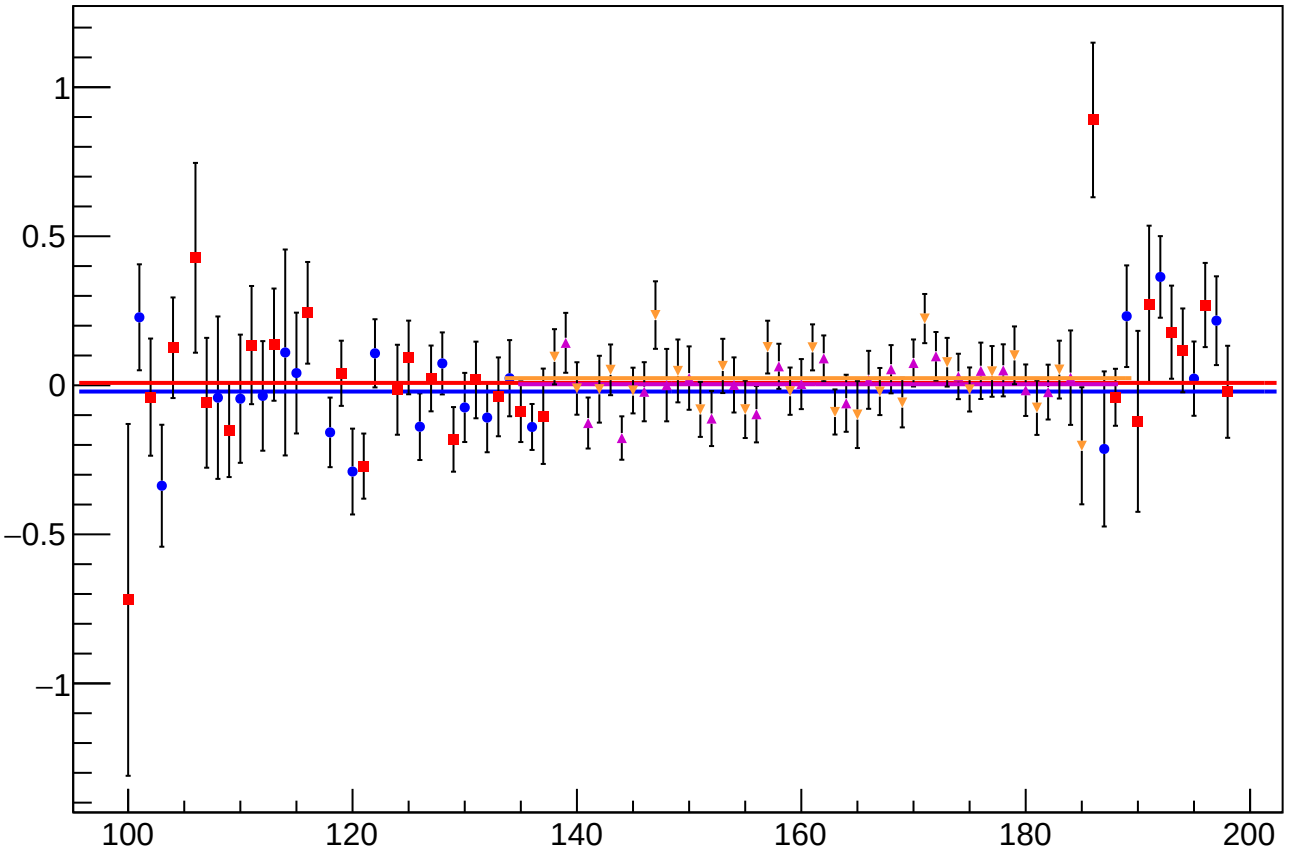
Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

Right: 0.004+/-0.000 χ^2/NDF: 13081480.7/47

In: 0.005+/-0.000 χ^2/NDF:7466049.6/43

Out: 0.004+/-0.000 χ^2/NDF:11167518.9/51

All: 0.005+/-0.000 χ^2/NDF: 18863146.4/95



Right In: -0.021+/-0.030 χ^2/NDF: 29.2/20

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.008+/-0.028 χ^2/NDF: 37.7/26

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

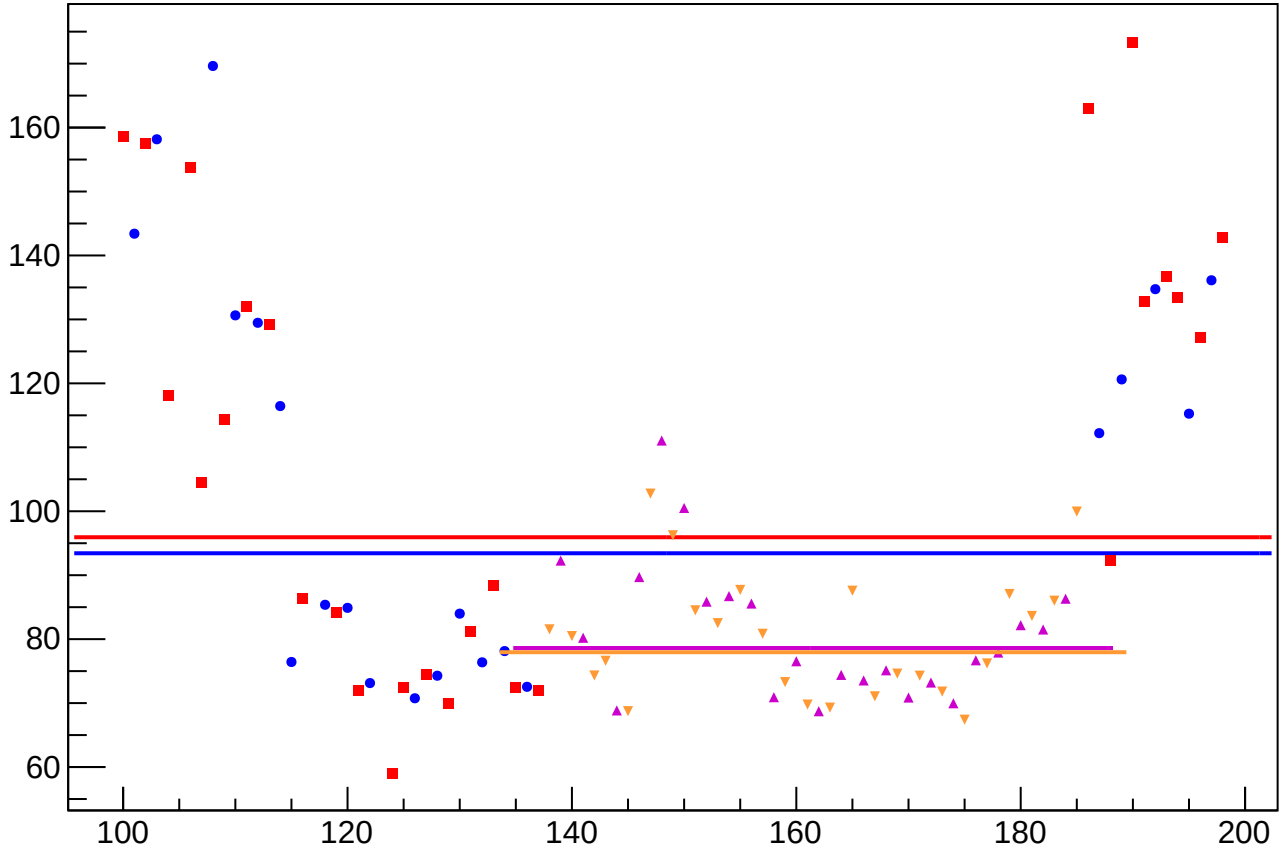
Right: -0.006+/-0.021 χ^2/NDF: 67.4/47

In: -0.003+/-0.016 χ^2/NDF:48.6/43

Out: 0.019+/-0.015 χ^2/NDF:63.4/51

All: 0.009+/-0.011 χ^2/NDF: 113.1/95

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 93.430+/-0.021 χ^2/NDF: 1605245.9/20

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 95.936+/-0.020 χ^2/NDF: 2037216.9/26

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

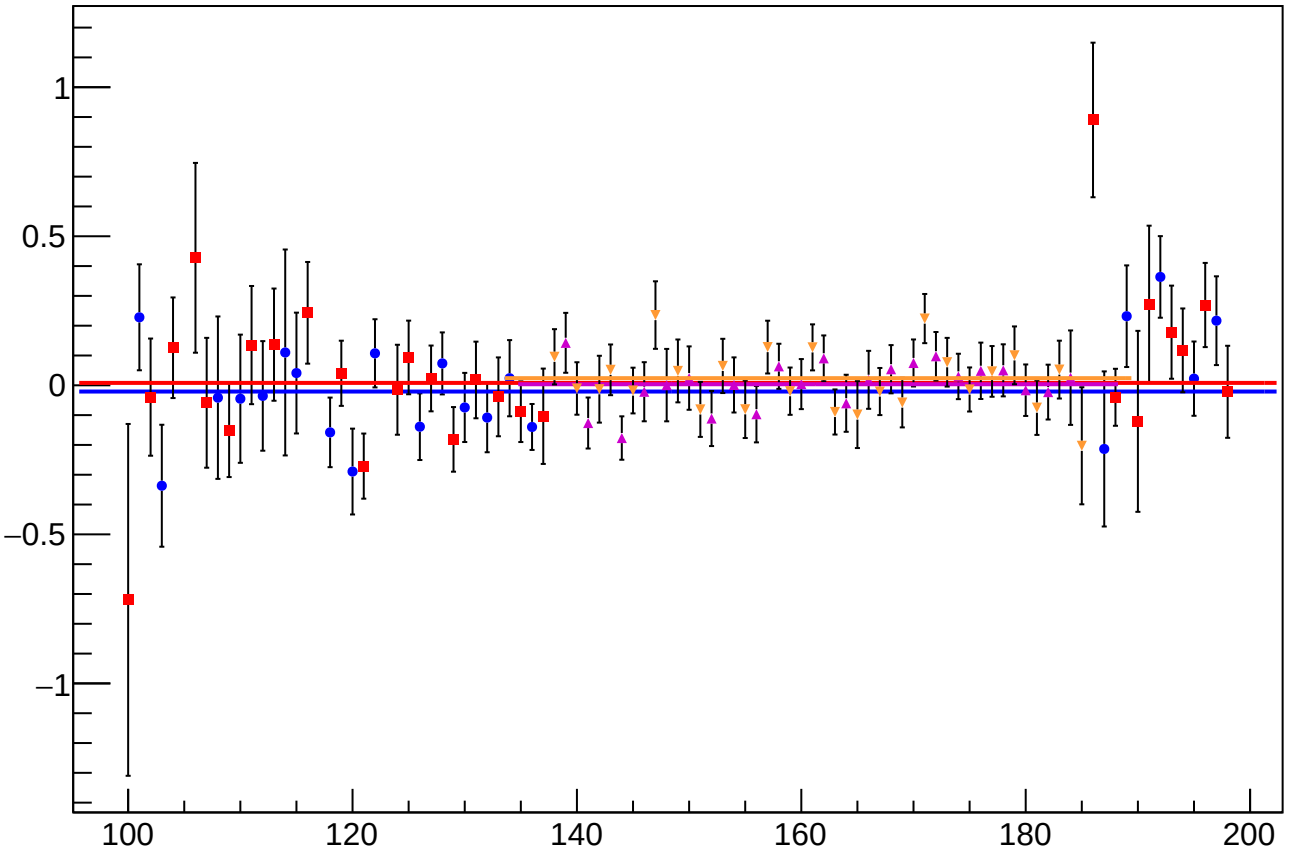
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

Right: 94.757+/-0.015 χ^2/NDF: 3649869.6/47

In: 82.723+/-0.011 χ^2/NDF:2456383.7/43

Out: 83.092+/-0.011 χ^2/NDF:3056080.0/51

All: 82.916+/-0.008 χ^2/NDF: 5513032.4/95



Right In: -0.021+/-0.030 χ^2/NDF: 29.2/20

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.008+/-0.028 χ^2/NDF: 37.7/26

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

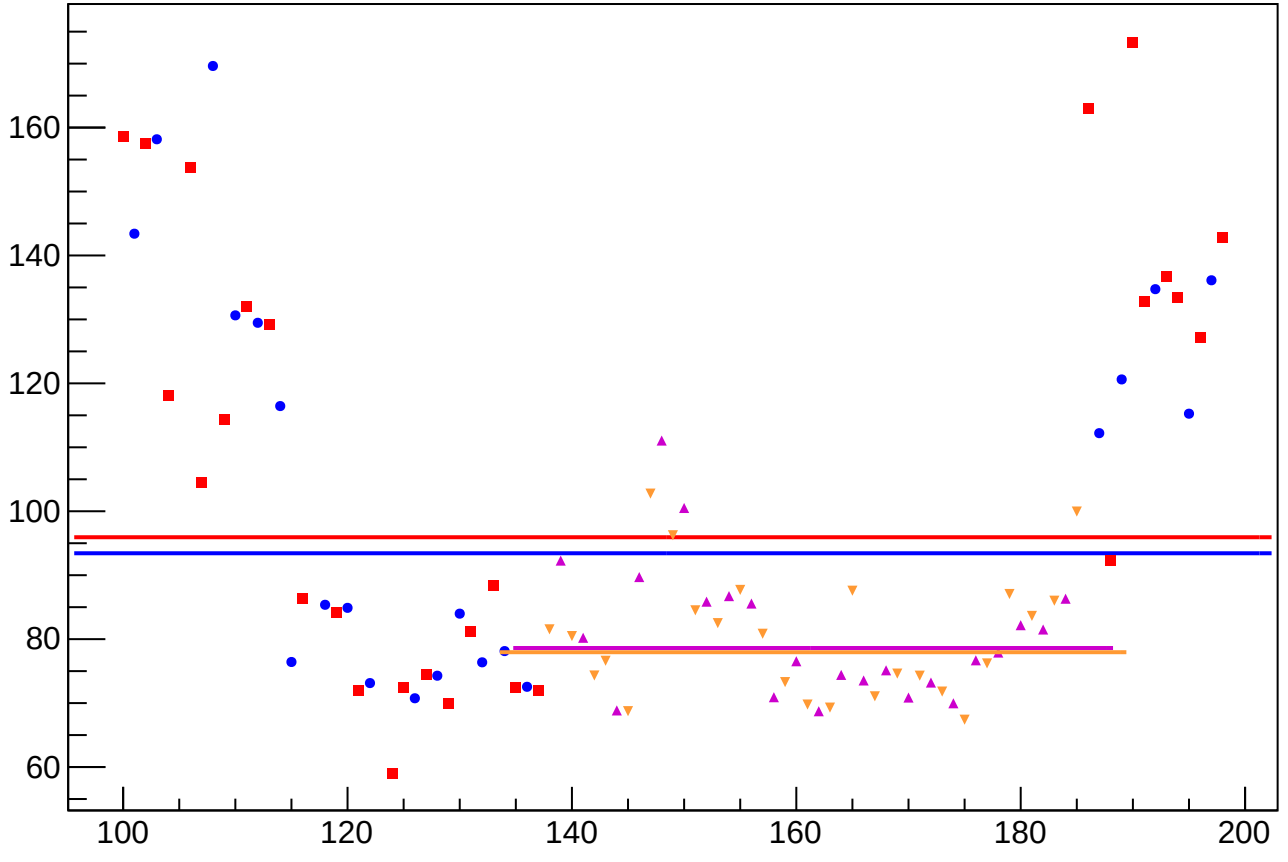
Right: -0.006+/-0.021 χ^2/NDF: 67.4/47

In: -0.003+/-0.016 χ^2/NDF:48.6/43

Out: 0.019+/-0.015 χ^2/NDF:63.4/51

All: 0.009+/-0.011 χ^2/NDF: 113.1/95

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 93.430+/-0.021 χ^2/NDF: 1605245.9/20

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 95.936+/-0.020 χ^2/NDF: 2037216.9/26

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

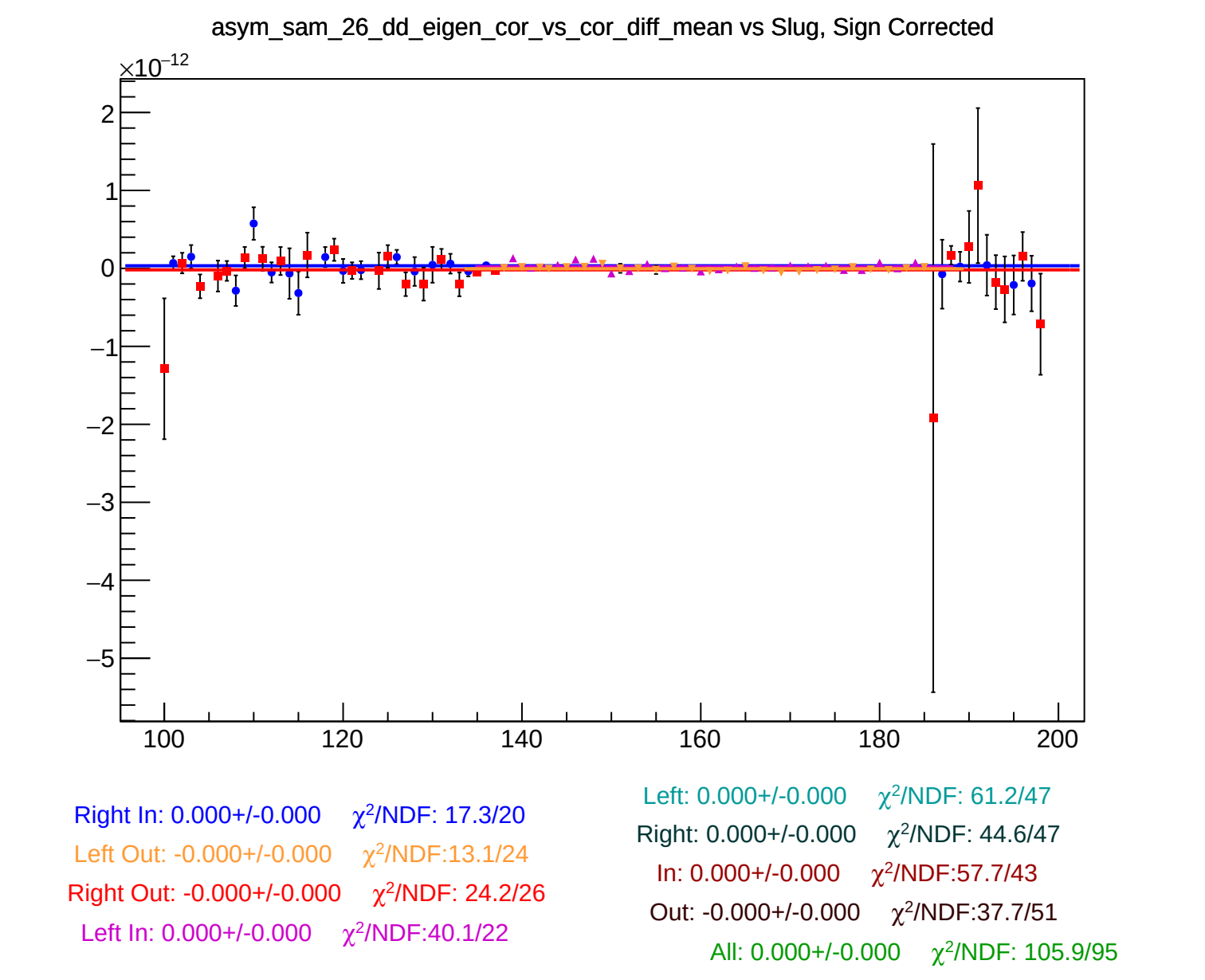
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

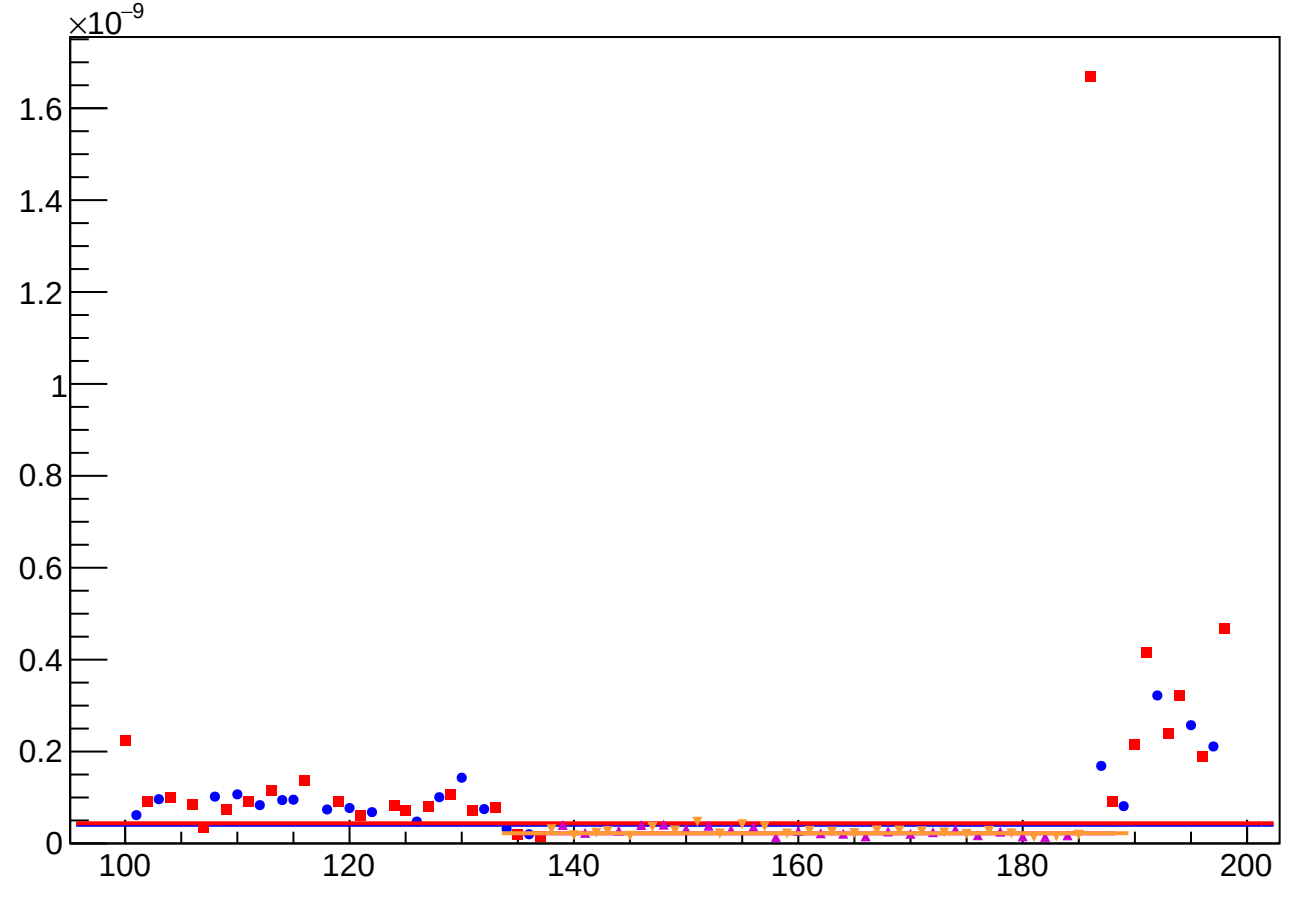
Right: 94.757+/-0.015 χ^2/NDF: 3649869.6/47

In: 82.723+/-0.011 χ^2/NDF:2456383.7/43

Out: 83.092+/-0.011 χ^2/NDF:3056080.0/51

All: 82.916+/-0.008 χ^2/NDF: 5513032.4/95


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: 17.3/20
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.2/26
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: 44.6/47
In: 0.000+/-0.000 χ²/NDF:57.7/43
Out: -0.000+/-0.000 χ²/NDF:37.7/51
All: 0.000+/-0.000 χ²/NDF: 105.9/95



Right In: 0.000+/-0.000 χ^2/NDF: 5908216.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8327329.4/26

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

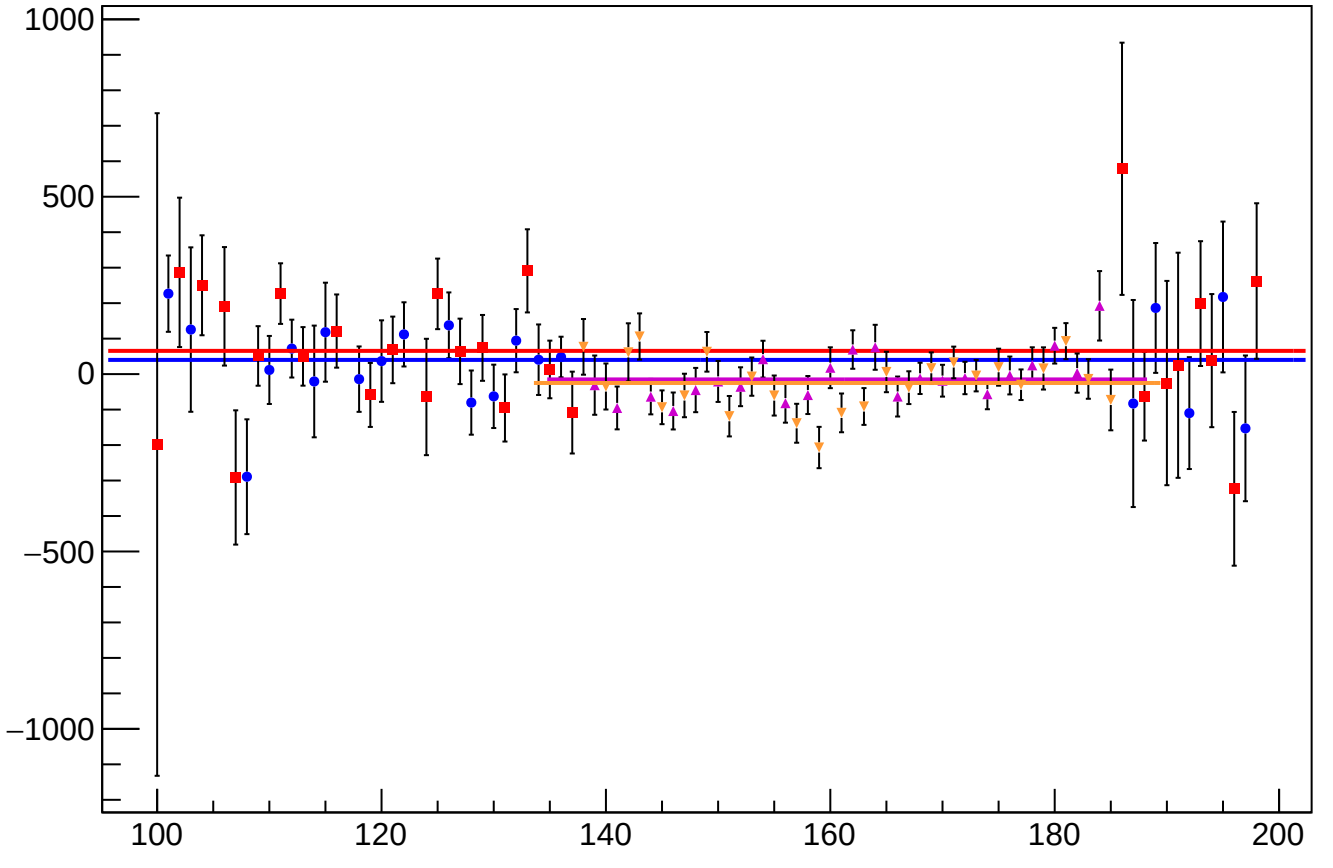
Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

Right: 0.000+/-0.000 χ^2/NDF: 14259345.2/47

In: 0.000+/-0.000 χ^2/NDF:10224742.2/43

Out: 0.000+/-0.000 χ^2/NDF:12475717.8/51

All: 0.000+/-0.000 χ^2/NDF: 22701417.9/95



Right In: 40.021+/-23.349 χ^2/NDF: 16.9/20

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: 65.491+/-23.100 χ^2/NDF: 33.3/26

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

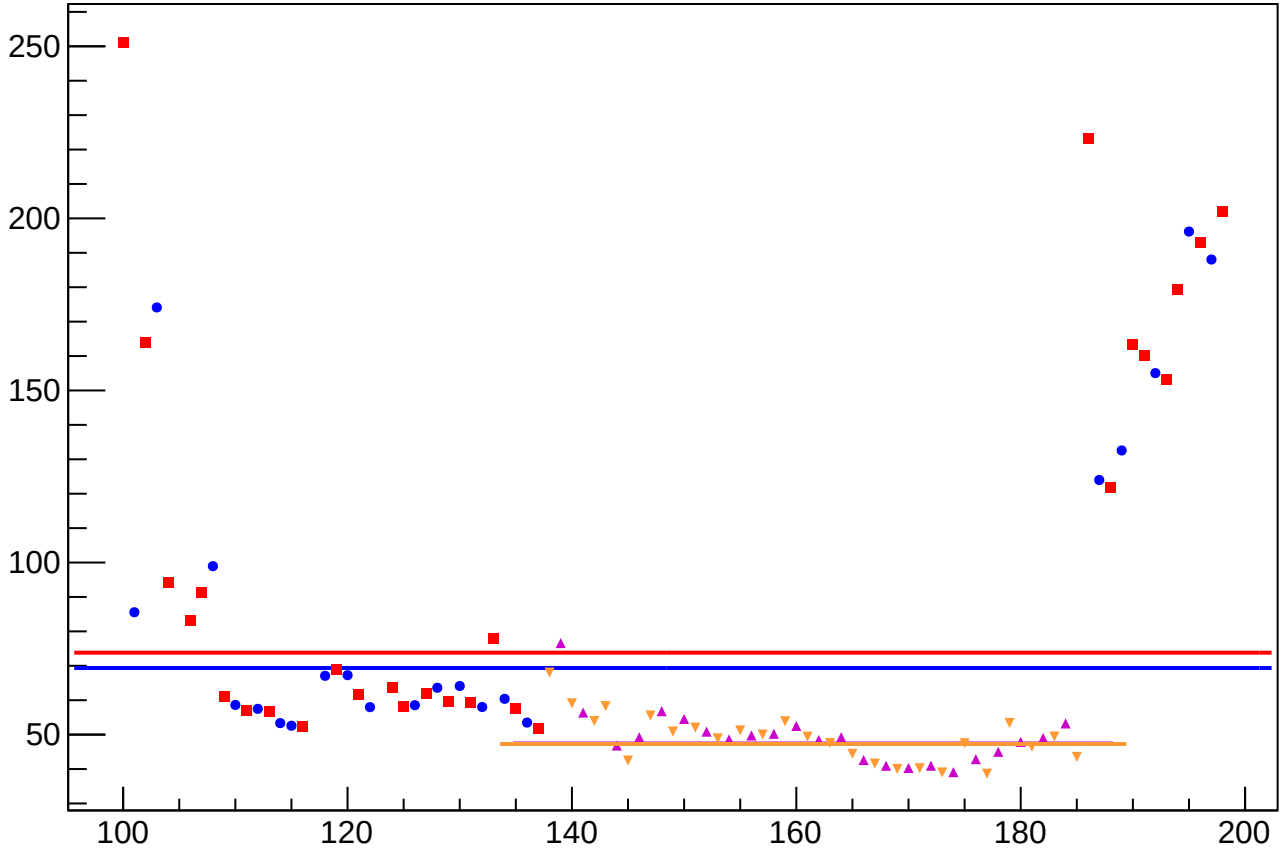
Right: 52.893+/-16.422 χ^2/NDF: 50.7/47

In: -4.677+/-10.111 χ^2/NDF:46.1/43

Out: -8.542+/-9.848 χ^2/NDF:88.9/51

All: -6.660+/-7.055 χ^2/NDF: 135.1/95

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 69.361+/-0.017 χ^2/NDF: 3195744.2/20

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 73.816+/-0.016 χ^2/NDF: 4495736.5/26

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

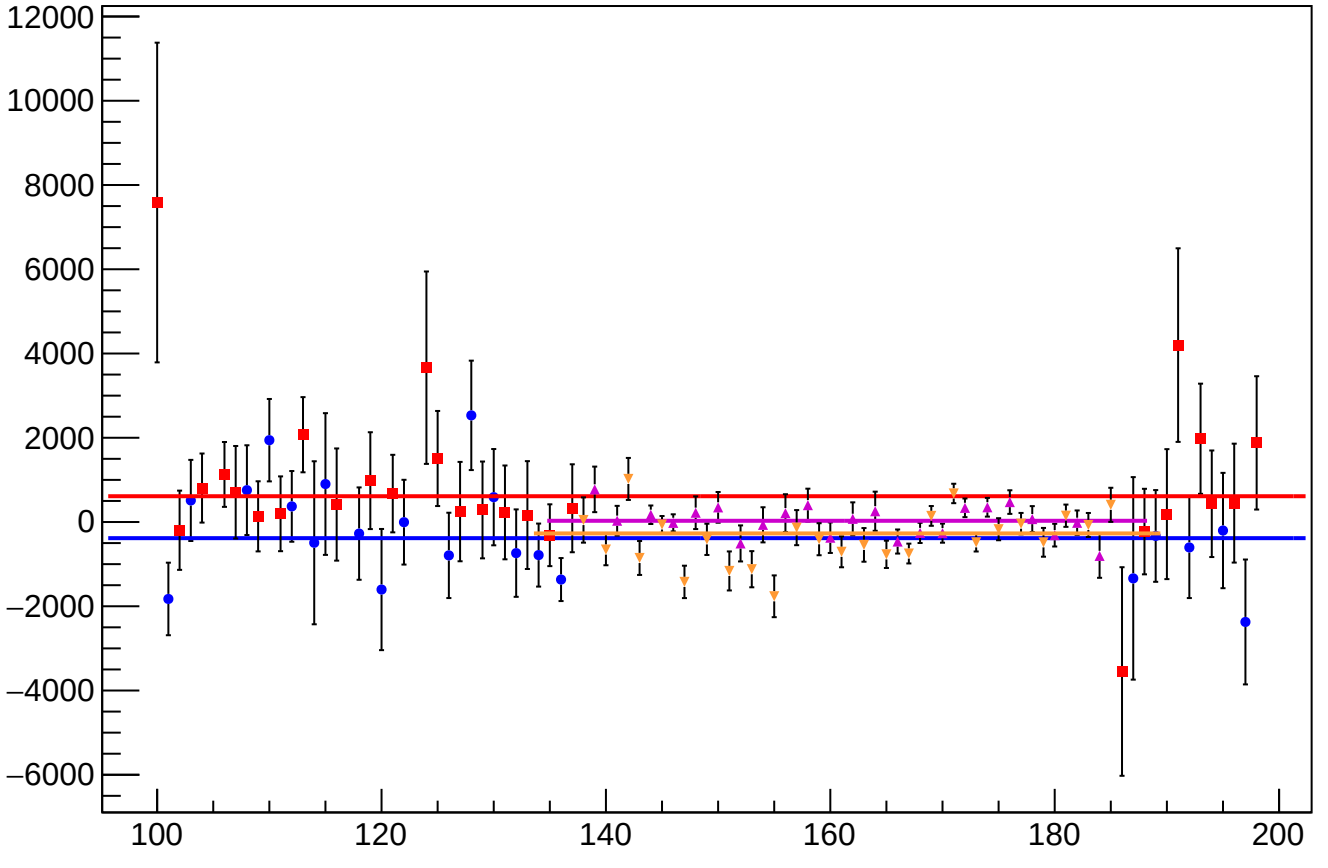
Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

Right: 71.613+/-0.012 χ^2/NDF: 7728271.4/47

In: 51.539+/-0.007 χ^2/NDF:5285713.9/43

Out: 52.106+/-0.007 χ^2/NDF:7371953.8/51

All: 51.830+/-0.005 χ^2/NDF: 12660900.1/95



Right In: -383.209+/-222.052 χ^2/NDF: 24.8/20

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: 612.271+/-212.367 χ^2/NDF: 20.3/26

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

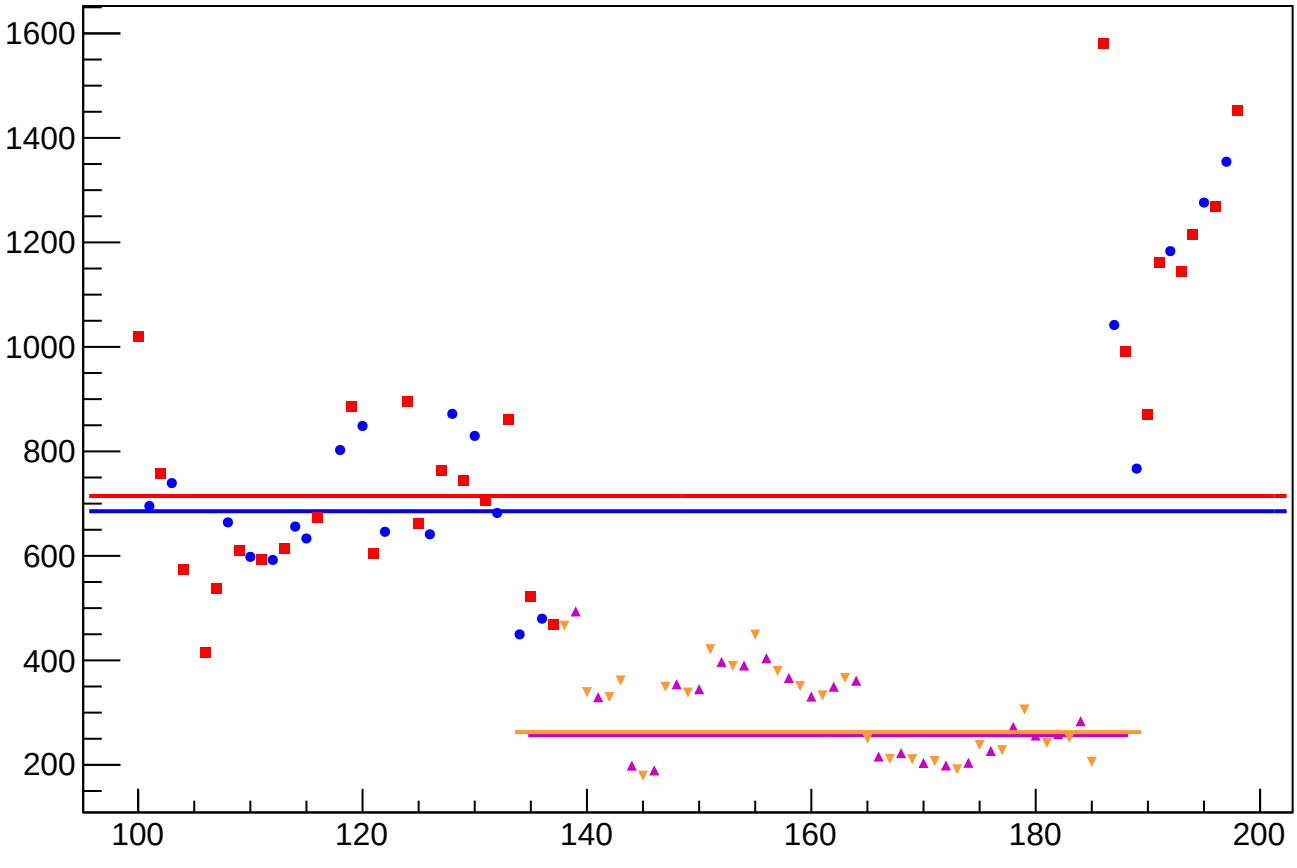
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 136.713+/-153.476 χ^2/NDF: 55.6/47

In: -1.227+/-60.314 χ^2/NDF:52.4/43

Out: -200.943+/-59.821 χ^2/NDF:110.1/51

All: -101.905+/-42.473 χ^2/NDF: 168.0/95



Right In: 685.456+/-0.157 χ^2/NDF: 1880128.6/20

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 714.571+/-0.150 χ^2/NDF: 2657473.5/26

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

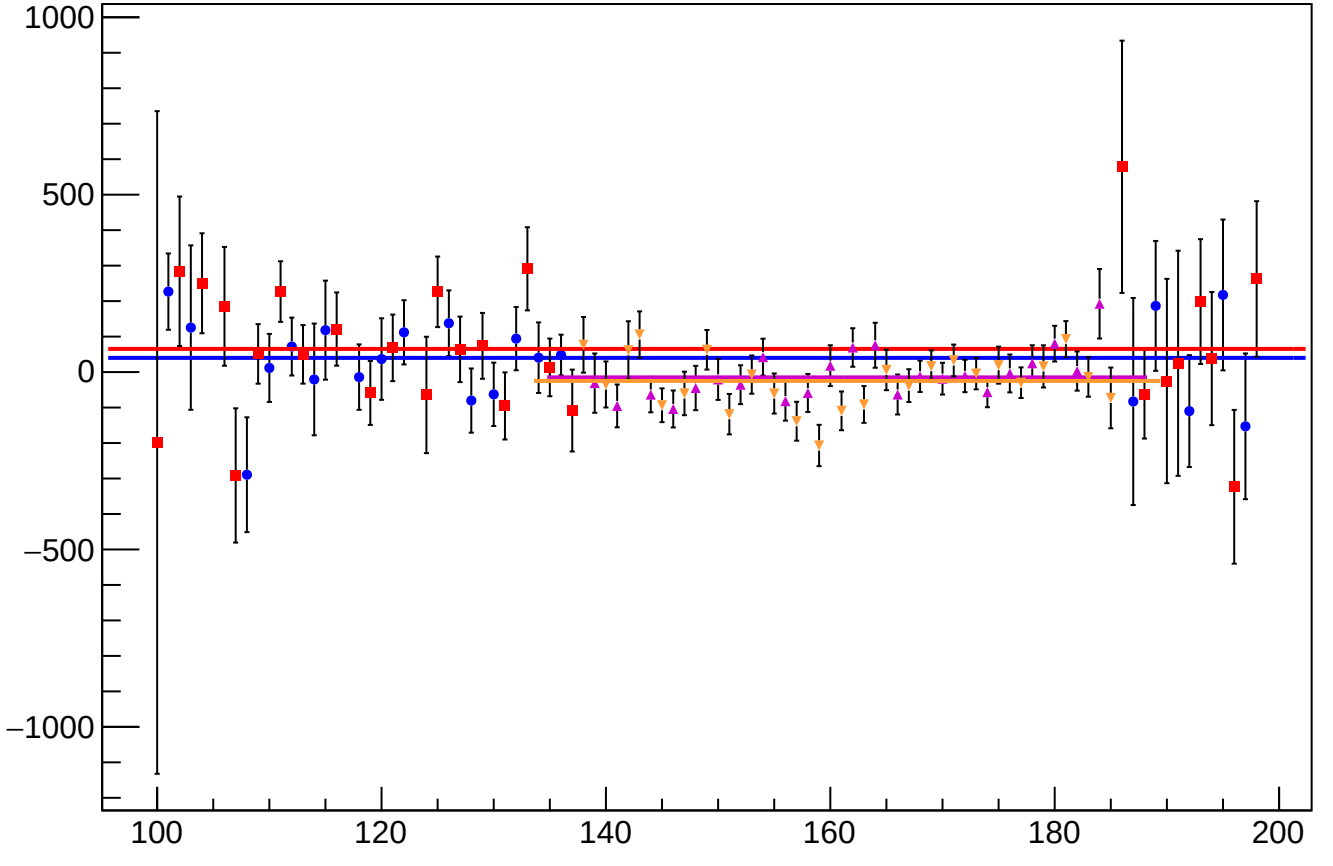
Right: 700.662+/-0.109 χ^2/NDF: 4555560.1/47

In: 288.465+/-0.043 χ^2/NDF:11421178.8/43

Out: 298.536+/-0.042 χ^2/NDF:13887910.3/51

All: 293.542+/-0.030 χ^2/NDF: 25337196.9/95

cor_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 40.015+/-23.349 χ^2/NDF: 16.9/20

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 65.326+/-23.101 χ^2/NDF: 33.2/26

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

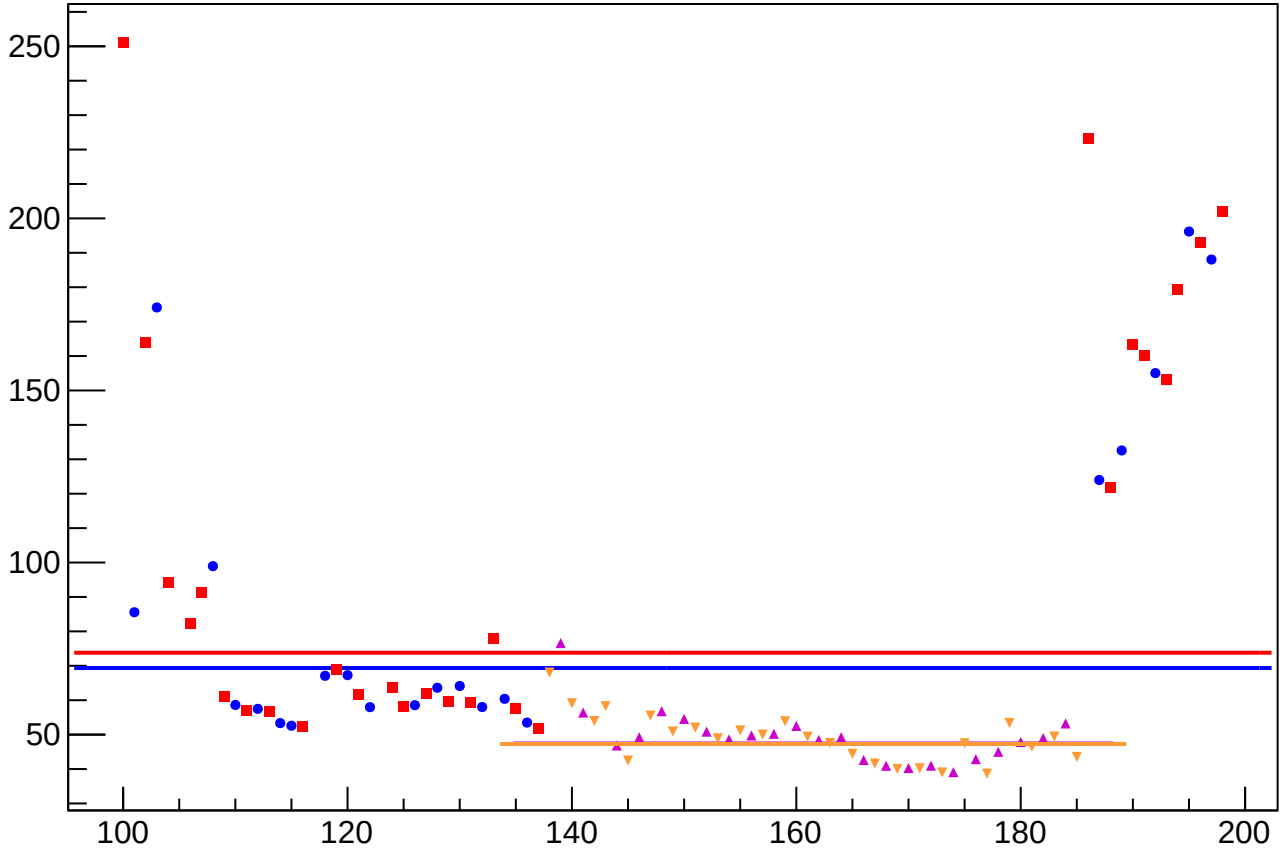
Right: 52.806+/-16.422 χ^2/NDF: 50.6/47

In: -4.676+/-10.111 χ^2/NDF:46.1/43

Out: -8.570+/-9.849 χ^2/NDF:88.8/51

All: -6.675+/-7.055 χ^2/NDF: 135.0/95

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 69.361+/-0.017 χ^2/NDF: 3195746.5/20

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 73.796+/-0.016 χ^2/NDF: 4494585.2/26

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

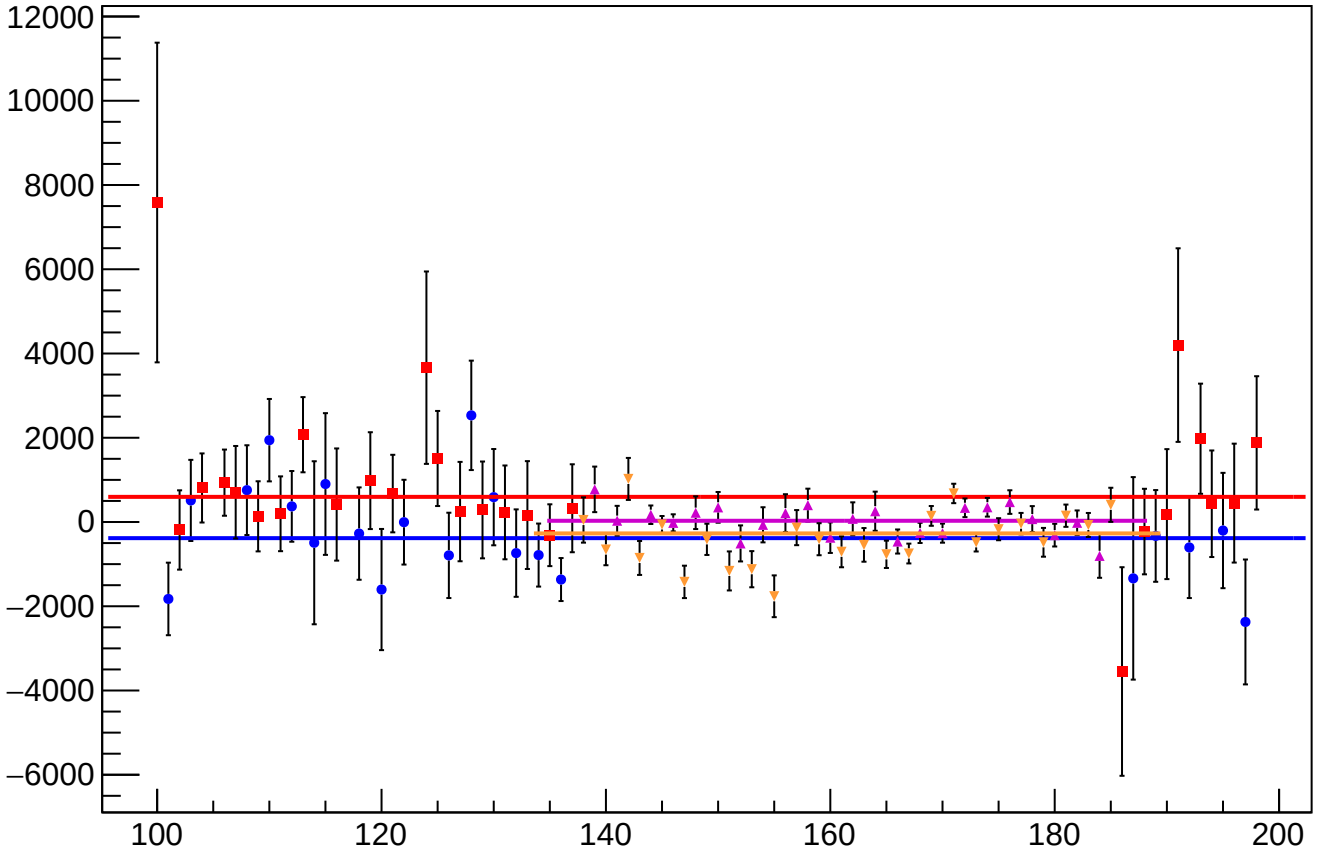
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 71.602+/-0.012 χ^2/NDF: 7726782.8/47

In: 51.539+/-0.007 χ^2/NDF:5285715.6/43

Out: 52.102+/-0.007 χ^2/NDF:7367275.6/51

All: 51.828+/-0.005 χ^2/NDF: 12656176.6/95



Right In: -383.209+/-222.054 χ^2/NDF: 24.8/20

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 596.901+/-212.695 χ^2/NDF: 20.0/26

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

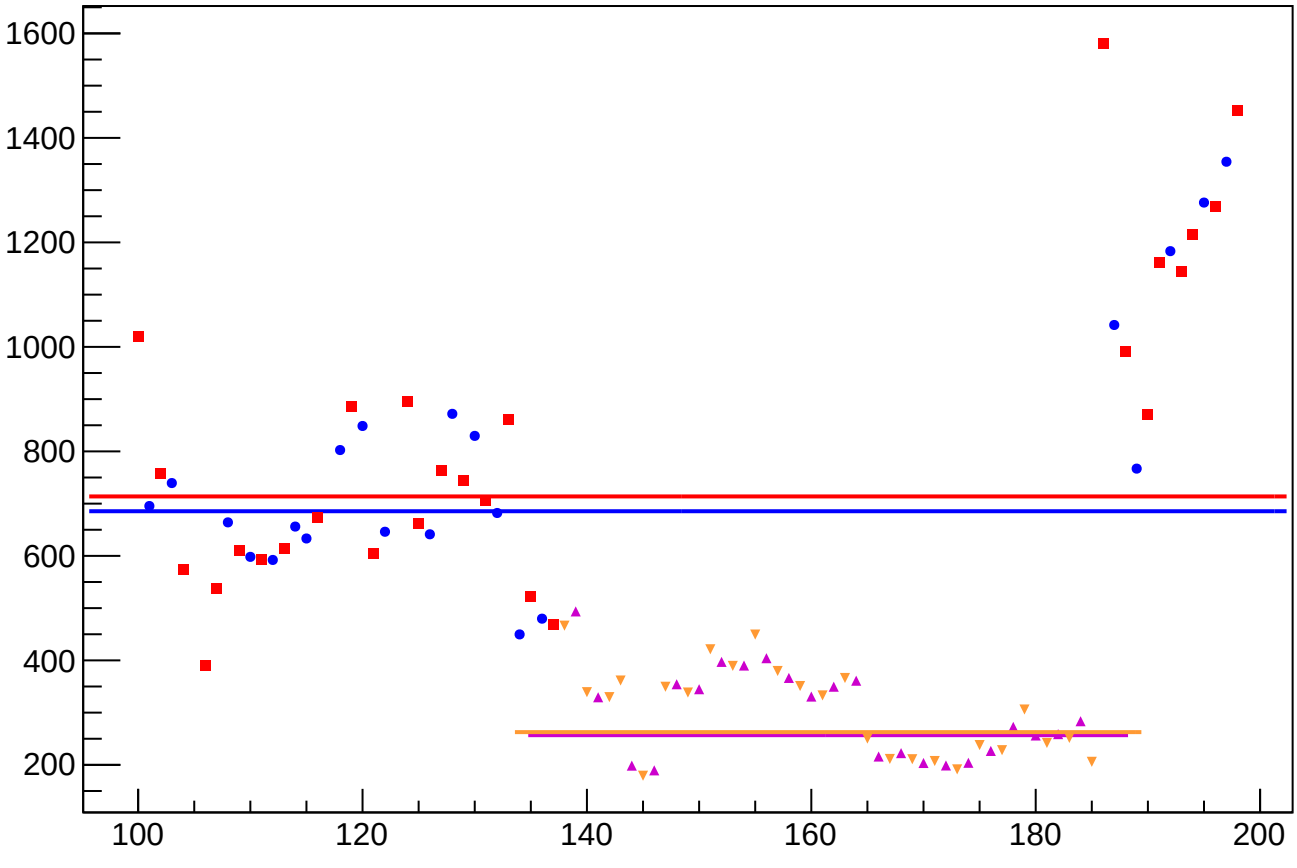
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 127.935+/-153.600 χ^2/NDF: 54.9/47

In: -1.225+/-60.314 χ^2/NDF:52.4/43

Out: -202.354+/-59.829 χ^2/NDF:109.2/51

All: -102.603+/-42.476 χ^2/NDF: 167.2/95



Right In: 685.459+/-0.157 χ^2/NDF: 1880143.1/20

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 713.782+/-0.150 χ^2/NDF: 2693068.5/26

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

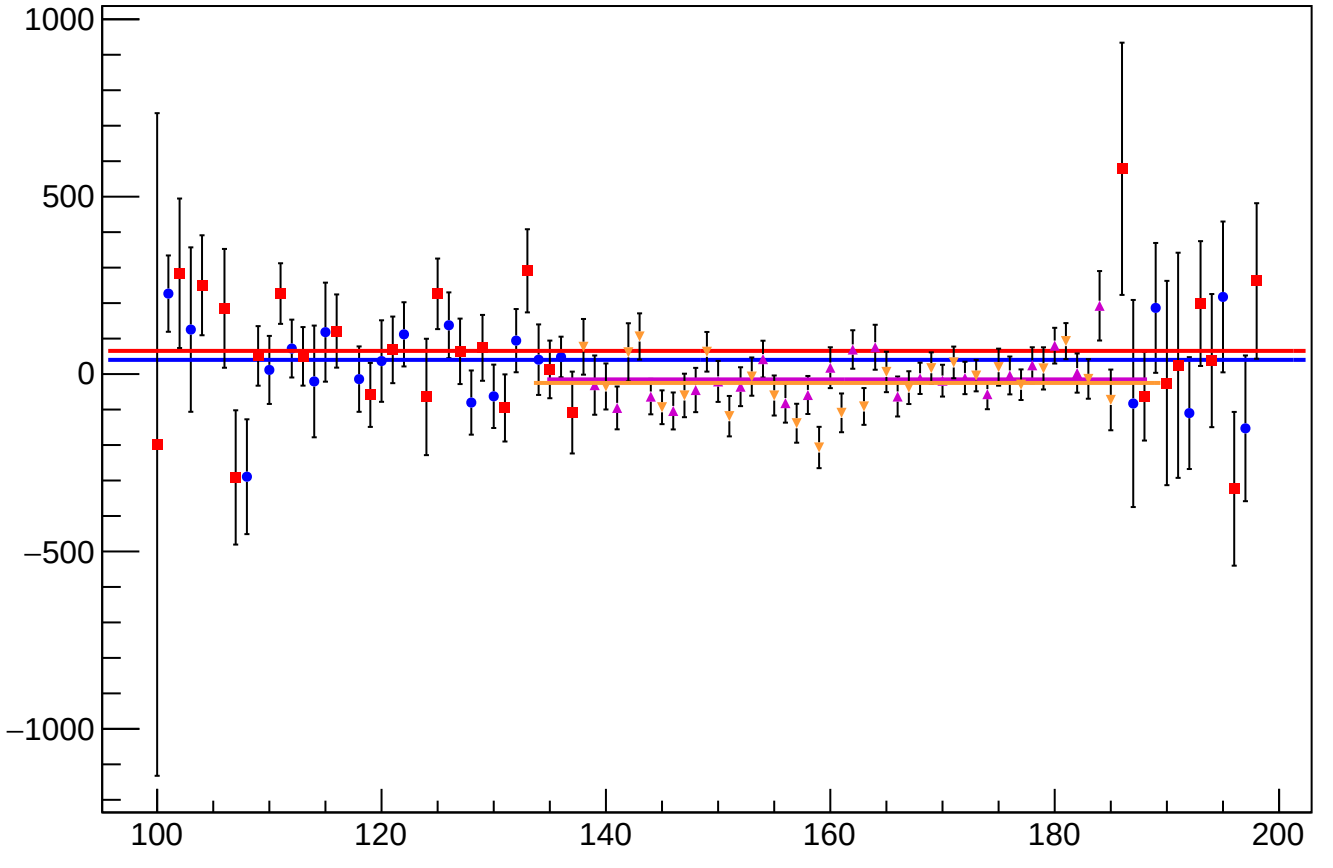
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 700.230+/-0.109 χ^2/NDF: 4590180.5/47

In: 288.465+/-0.043 χ^2/NDF:11421221.3/43

Out: 298.371+/-0.042 χ^2/NDF:13870864.1/51

All: 293.458+/-0.030 χ^2/NDF: 25319281.1/95



Right In: 40.015+/-23.349 χ^2/NDF: 16.9/20

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 65.326+/-23.101 χ^2/NDF: 33.2/26

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

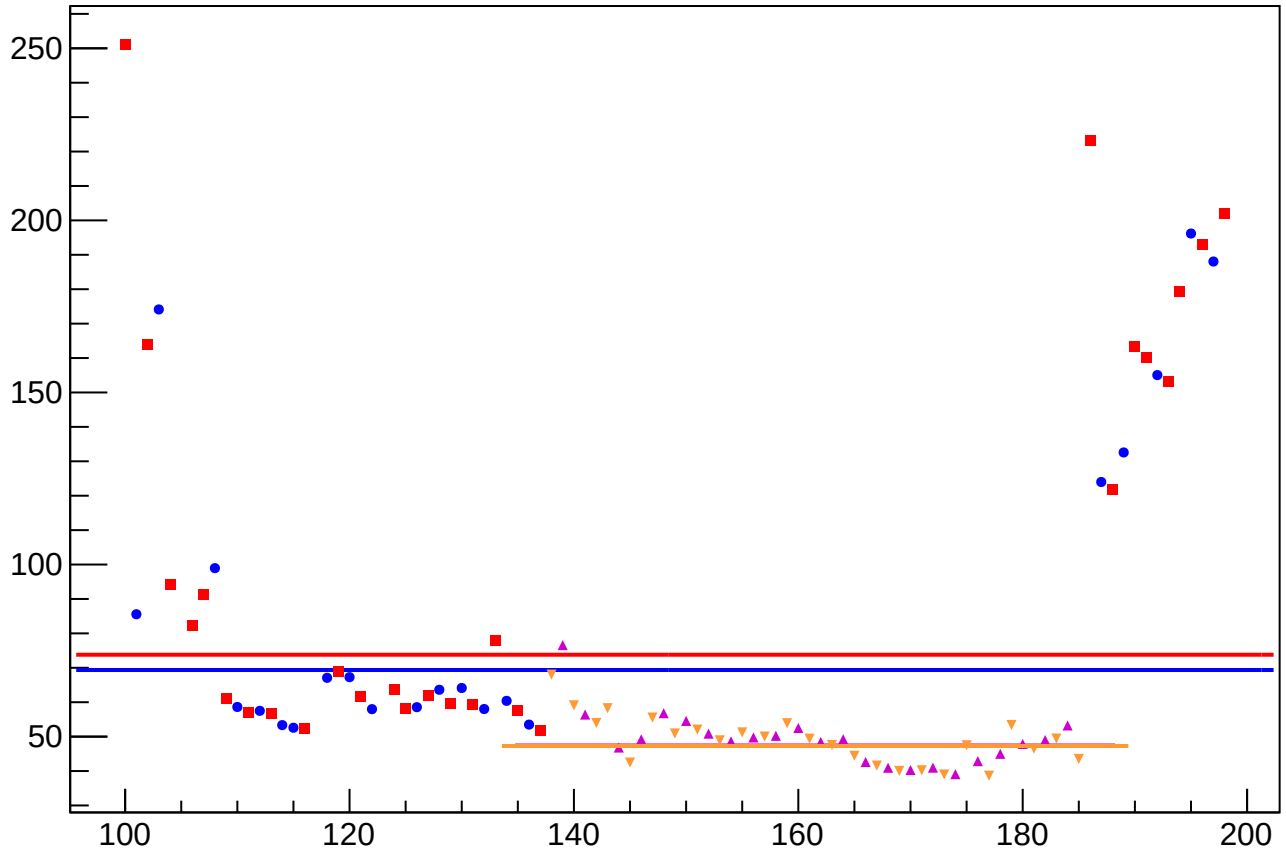
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 52.806+/-16.422 χ^2/NDF: 50.6/47

In: -4.676+/-10.111 χ^2/NDF:46.1/43

Out: -8.570+/-9.849 χ^2/NDF:88.8/51

All: -6.675+/-7.055 χ^2/NDF: 135.0/95



Right In: 69.361+/-0.017 χ^2/NDF: 3195746.5/20

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 73.796+/-0.016 χ^2/NDF: 4494585.2/26

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

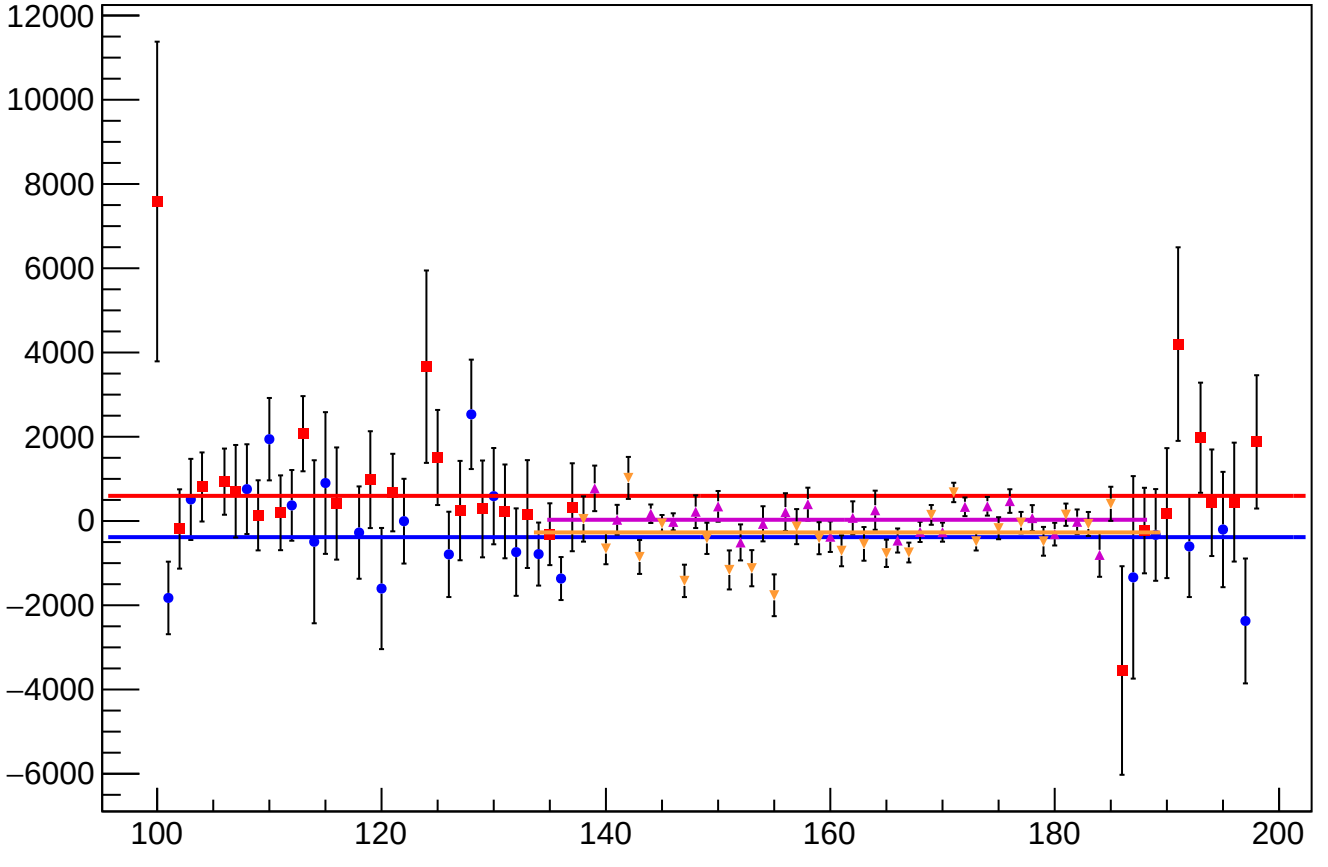
Right: 71.602+/-0.012 χ^2/NDF: 7726782.8/47

In: 51.539+/-0.007 χ^2/NDF:5285715.6/43

Out: 52.102+/-0.007 χ^2/NDF:7367275.6/51

All: 51.828+/-0.005 χ^2/NDF: 12656176.6/95

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -383.209+/-222.054 χ^2/NDF: 24.8/20

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 596.901+/-212.695 χ^2/NDF: 20.0/26

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

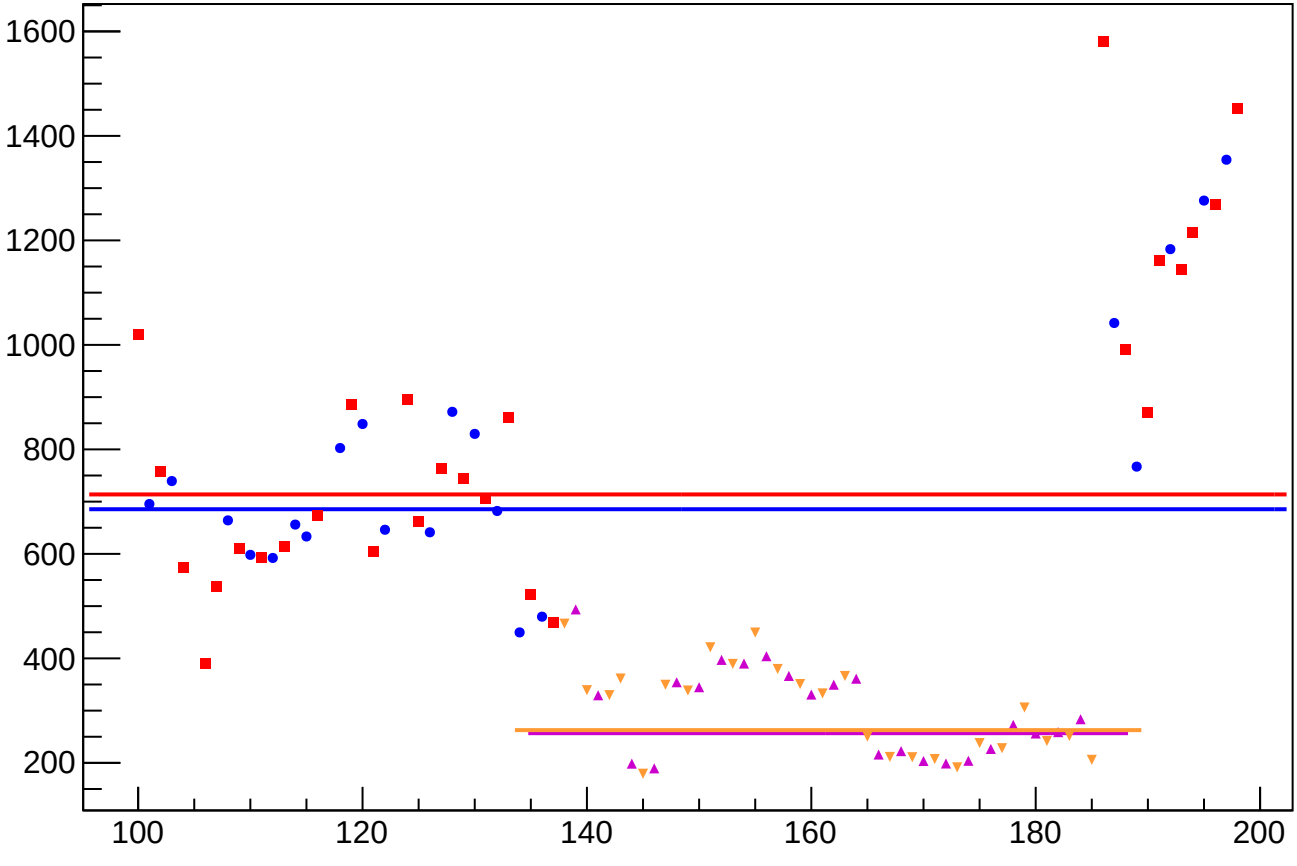
Right: 127.935+/-153.600 χ^2/NDF: 54.9/47

In: -1.225+/-60.314 χ^2/NDF:52.4/43

Out: -202.354+/-59.829 χ^2/NDF:109.2/51

All: -102.603+/-42.476 χ^2/NDF: 167.2/95

asym_sam_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 685.459+/-0.157 χ^2/NDF: 1880143.1/20

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 713.782+/-0.150 χ^2/NDF: 2693068.5/26

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

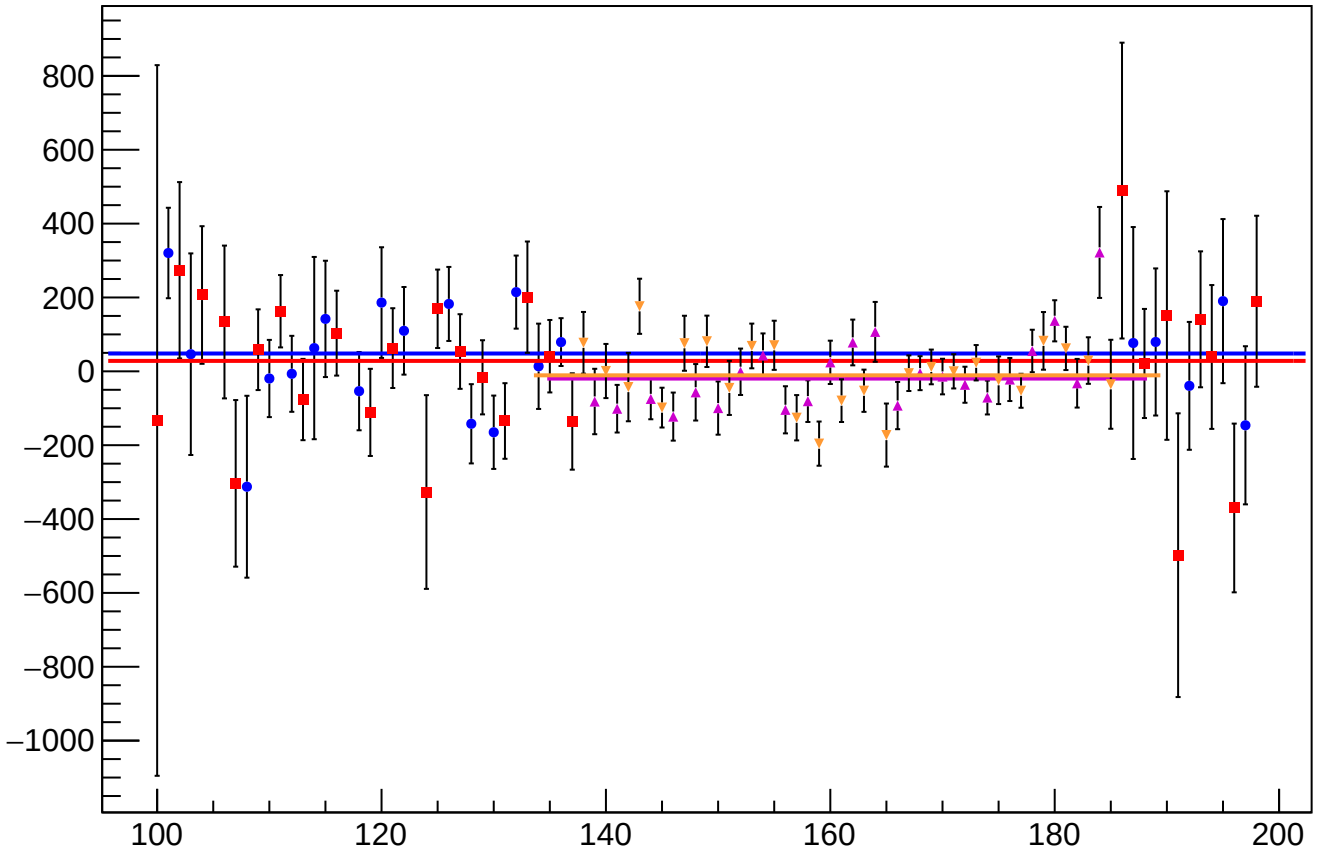
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 700.230+/-0.109 χ^2/NDF: 4590180.5/47

In: 288.465+/-0.043 χ^2/NDF:11421221.3/43

Out: 298.371+/-0.042 χ^2/NDF:13870864.1/51

All: 293.458+/-0.030 χ^2/NDF: 25319281.1/95



Right In: 48.263+/-27.137 χ^2/NDF: 24.4/20

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: 28.254+/-27.138 χ^2/NDF: 25.7/26

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

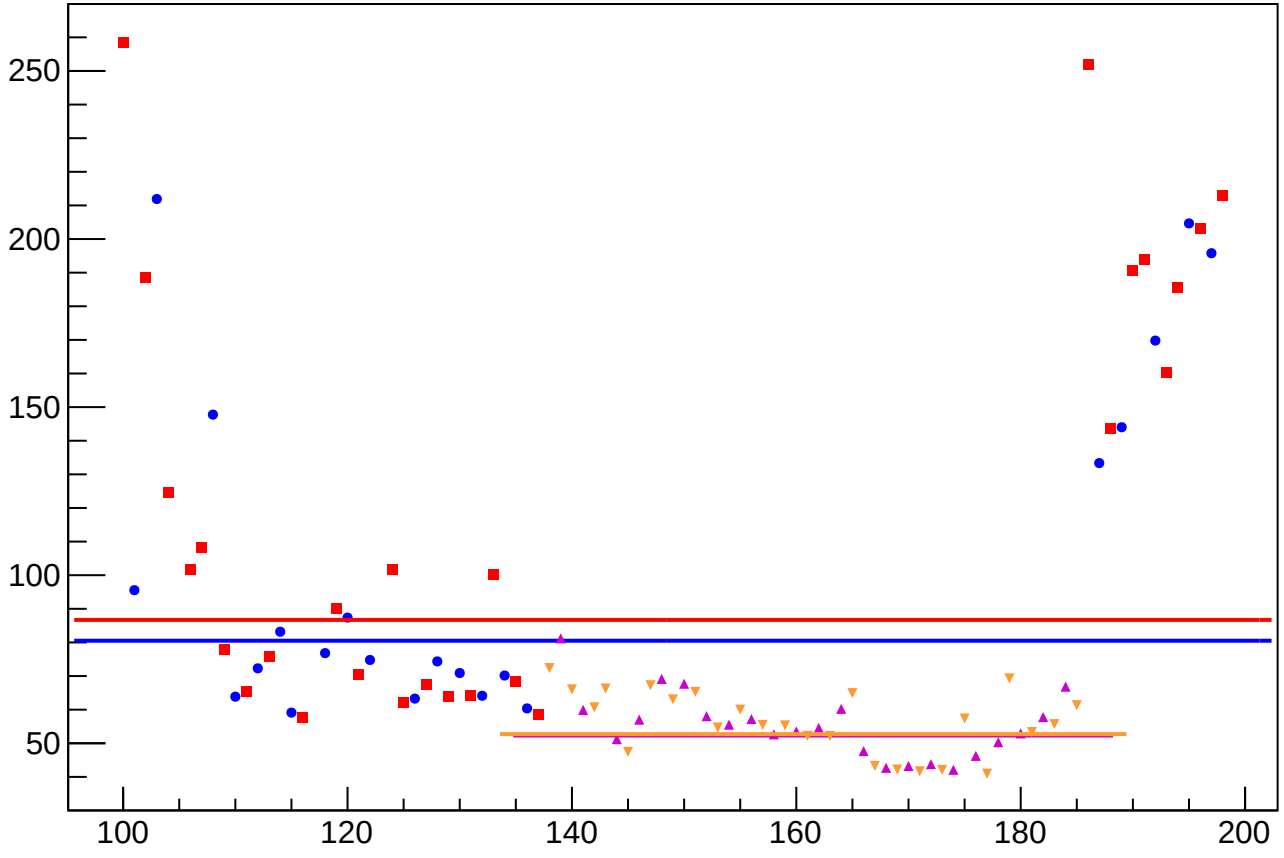
Right: 38.259+/-19.189 χ^2/NDF: 50.4/47

In: -7.647+/-11.388 χ^2/NDF:66.3/43

Out: -4.158+/-11.208 χ^2/NDF:67.9/51

All: -5.875+/-7.988 χ^2/NDF: 134.2/95

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 80.512+/-0.019 χ^2/NDF: 3099094.2/20

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 86.703+/-0.019 χ^2/NDF: 4343450.5/26

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

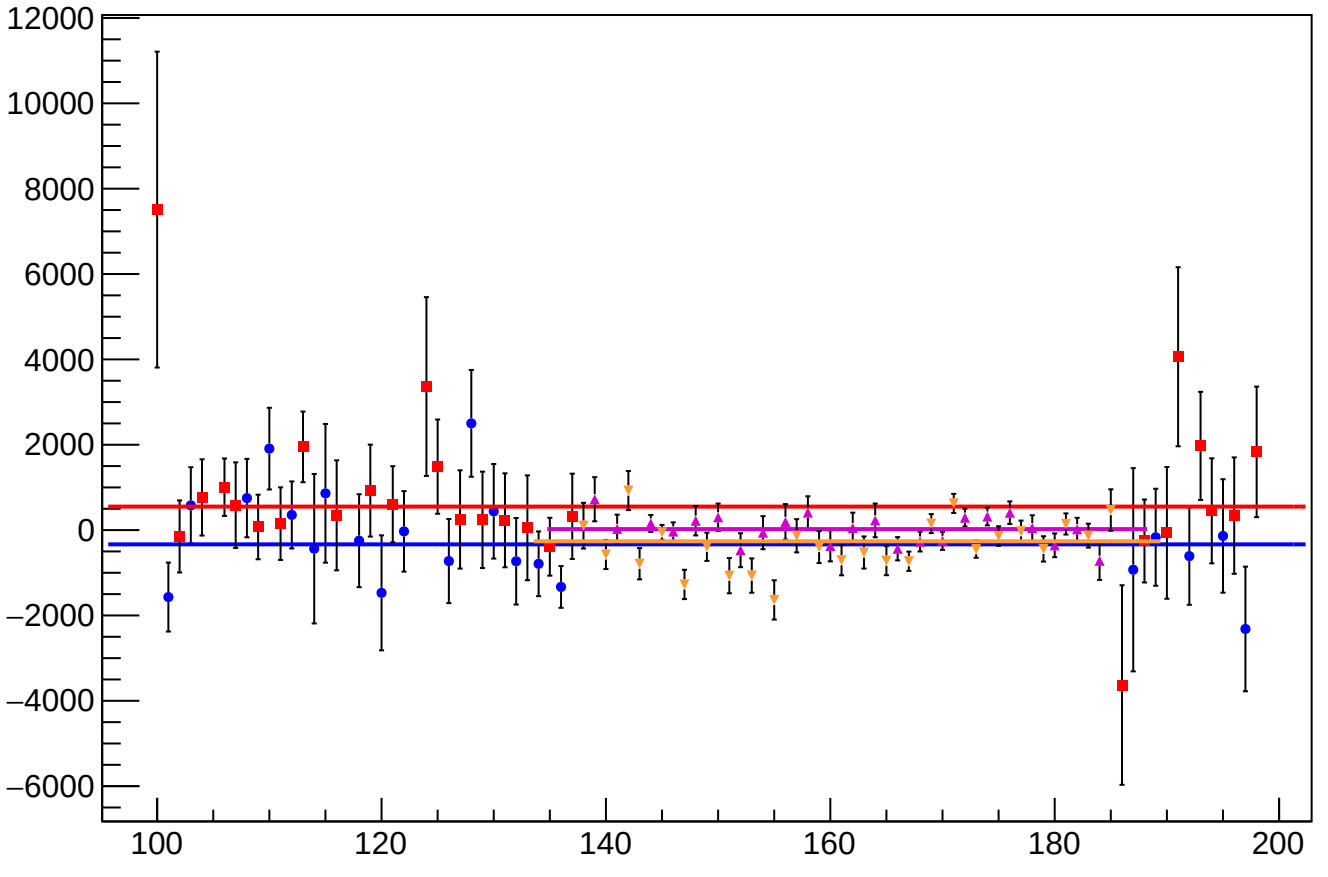
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 83.607+/-0.014 χ^2/NDF: 7494588.6/47

In: 57.279+/-0.008 χ^2/NDF:5770168.3/43

Out: 58.525+/-0.008 χ^2/NDF:8110239.4/51

All: 57.912+/-0.006 χ^2/NDF: 13892564.9/95



Right In: -334.205+/-213.081 χ^2/NDF: 24.9/20

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 550.681+/-201.495 χ^2/NDF: 22.1/26

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

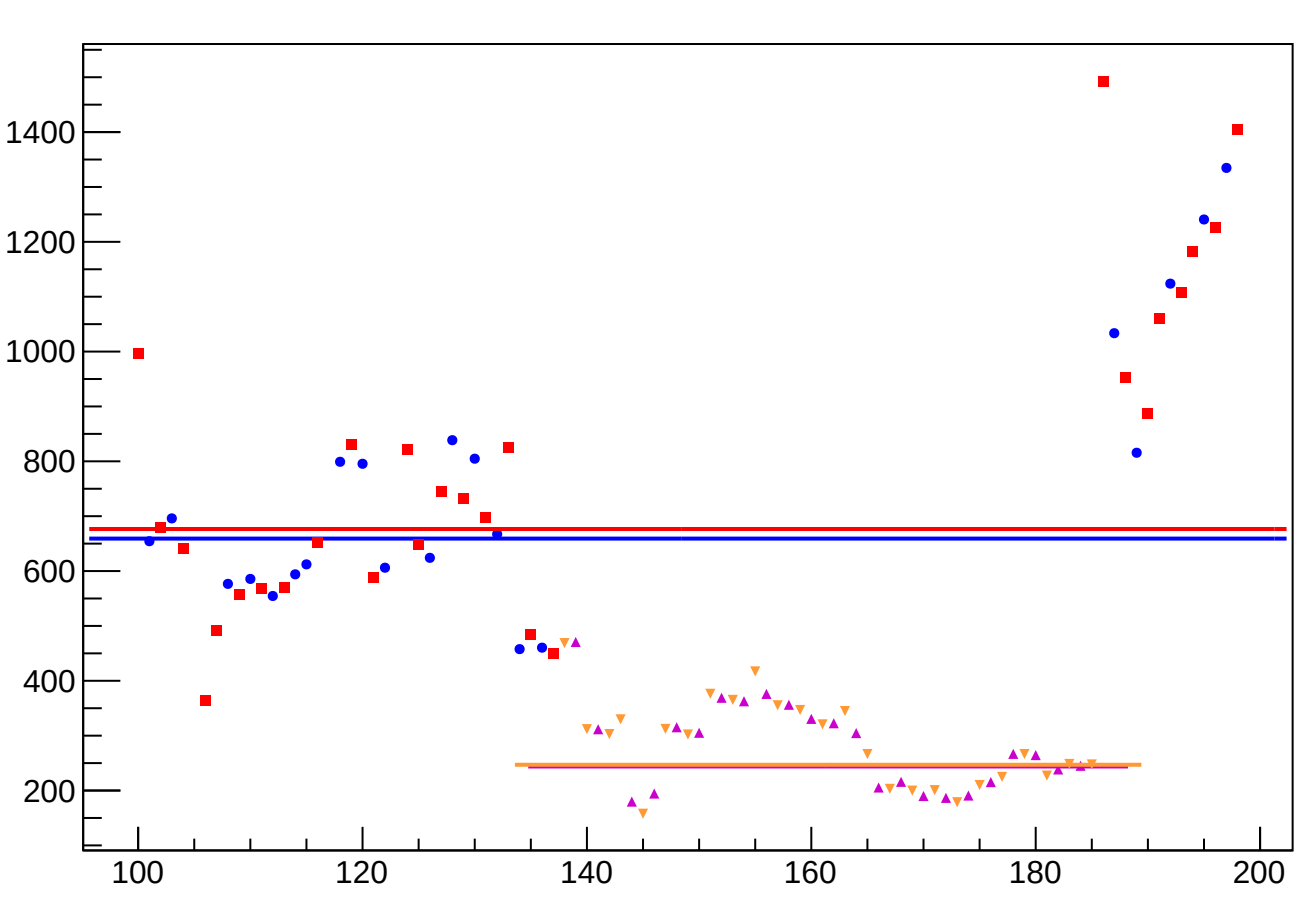
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 132.947+/-146.403 χ^2/NDF: 56.1/47

In: -2.319+/-57.215 χ^2/NDF:51.7/43

Out: -199.358+/-56.181 χ^2/NDF:109.3/51

All: -102.636+/-40.087 χ^2/NDF: 167.0/95



Right In: 659.168+/-0.151 χ^2/NDF: 1910409.0/20

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 676.667+/-0.142 χ^2/NDF: 2870491.6/26

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

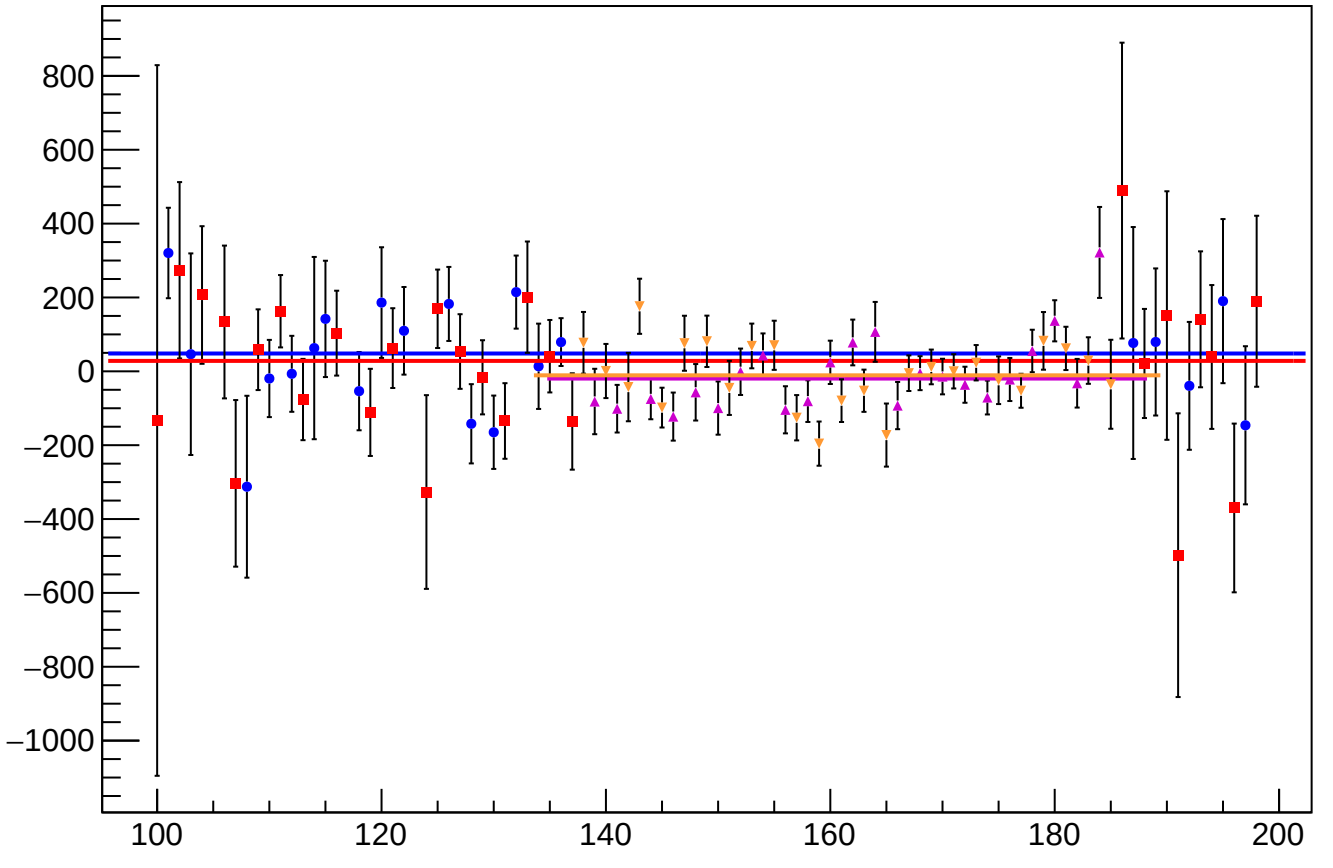
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 668.406+/-0.104 χ^2/NDF: 4788021.3/47

In: 273.771+/-0.040 χ^2/NDF:11452048.6/43

Out: 280.398+/-0.040 χ^2/NDF:14183562.8/51

All: 277.145+/-0.028 χ^2/NDF: 25649271.7/95



Right In: 48.263+/-27.137 χ^2/NDF: 24.4/20

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: 28.253+/-27.138 χ^2/NDF: 25.7/26

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

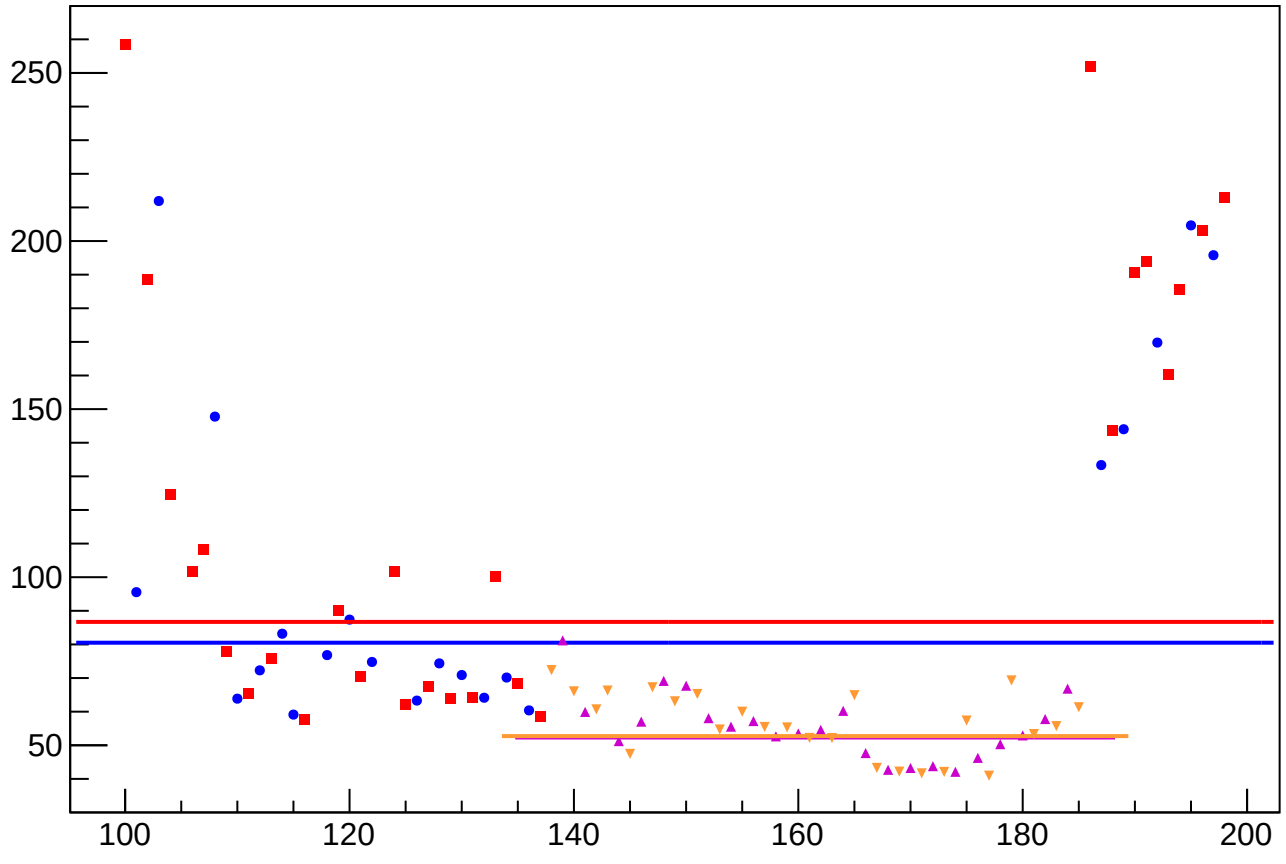
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 38.258+/-19.189 χ^2/NDF: 50.4/47

In: -7.647+/-11.388 χ^2/NDF:66.3/43

Out: -4.158+/-11.208 χ^2/NDF:67.9/51

All: -5.875+/-7.988 χ^2/NDF: 134.2/95



Right In: 80.512+/-0.019 χ^2/NDF: 3099113.4/20

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

Right Out: 86.703+/-0.019 χ^2/NDF: 4343448.3/26

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

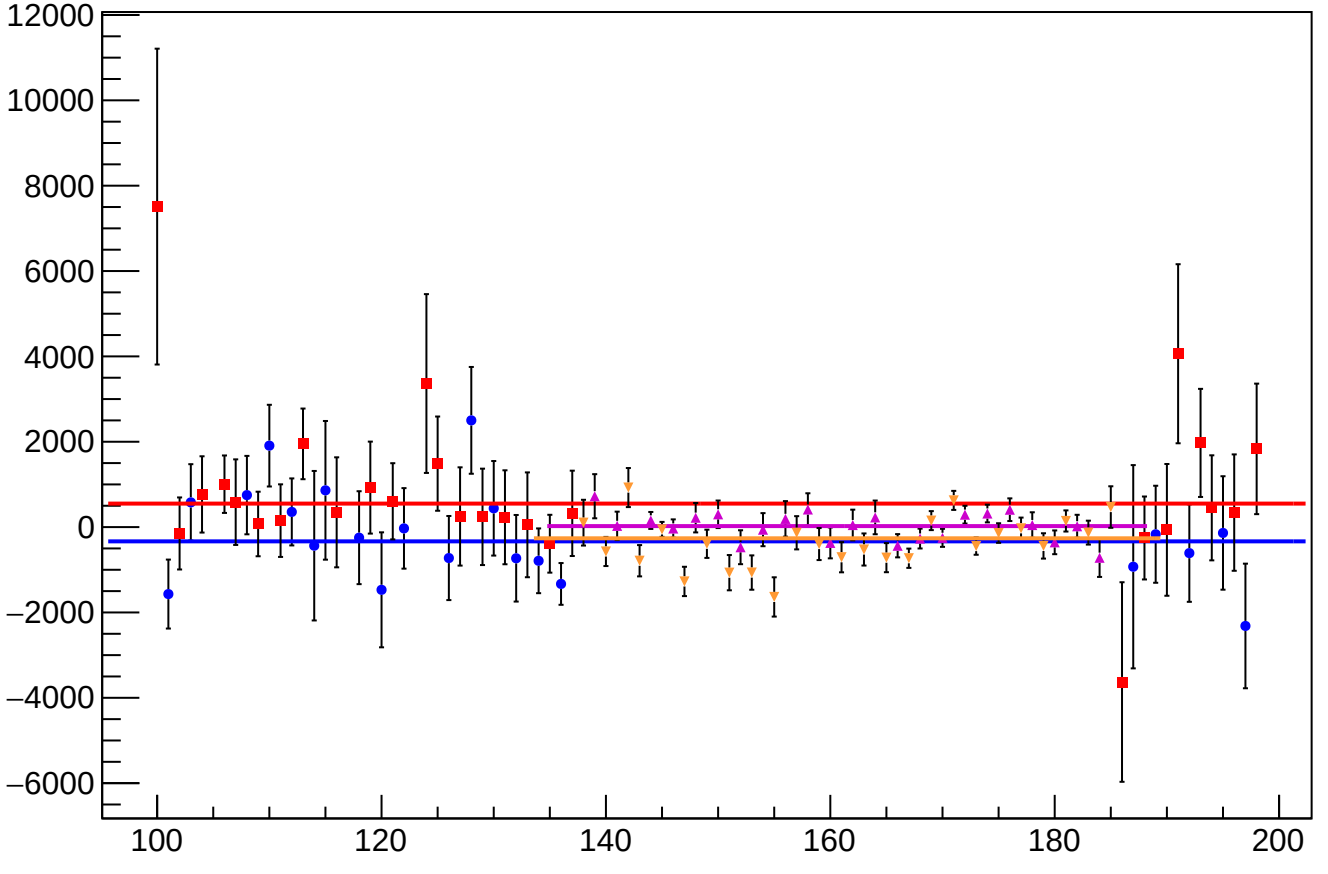
Right: 83.607+/-0.014 χ^2/NDF: 7494607.0/47

In: 57.279+/-0.008 χ^2/NDF:5770171.7/43

Out: 58.525+/-0.008 χ^2/NDF:8110244.5/51

All: 57.912+/-0.006 χ^2/NDF: 13892573.8/95

asym_sam_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -334.205+/-213.081 χ^2/NDF: 24.9/20

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 550.681+/-201.495 χ^2/NDF: 22.1/26

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

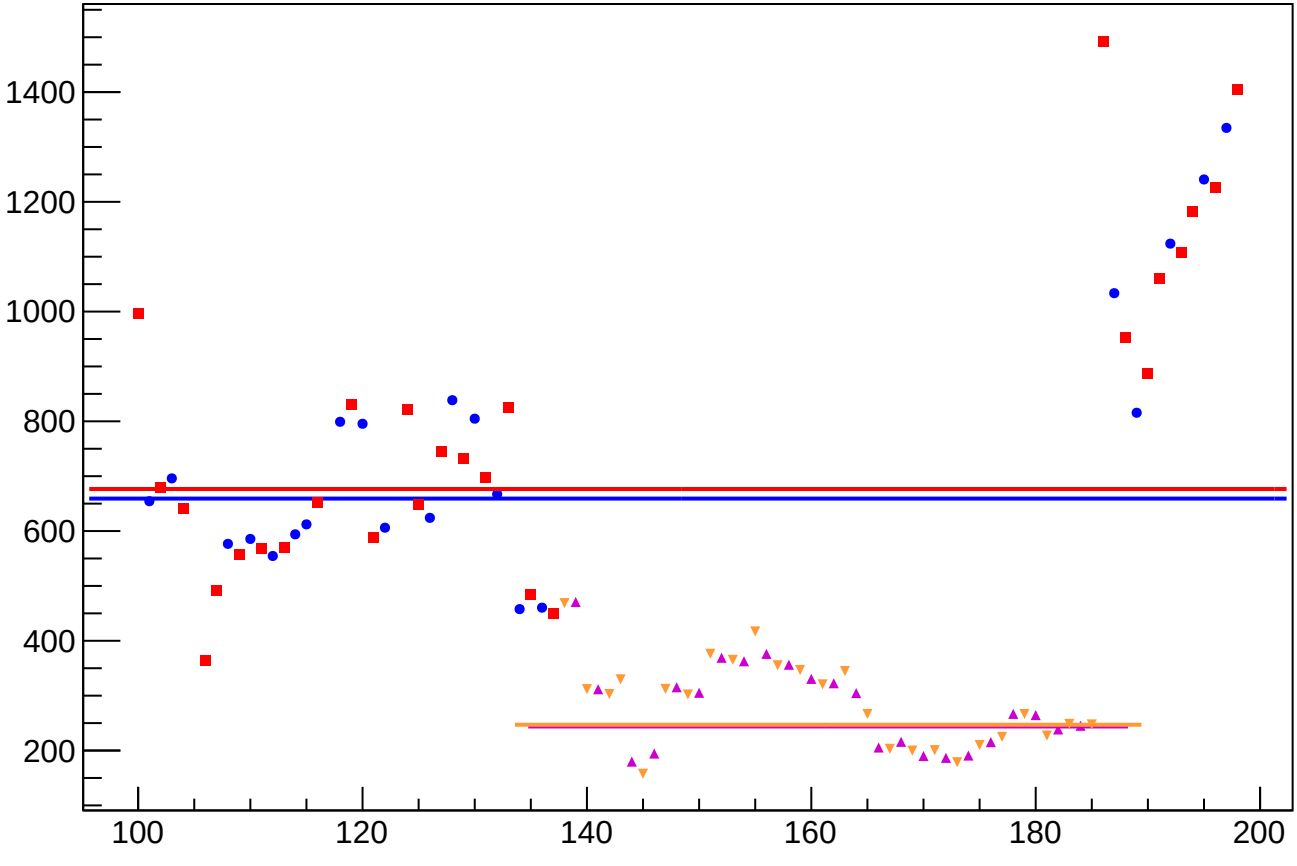
Right: 132.948+/-146.403 χ^2/NDF: 56.1/47

In: -2.319+/-57.215 χ^2/NDF:51.7/43

Out: -199.358+/-56.181 χ^2/NDF:109.3/51

All: -102.636+/-40.087 χ^2/NDF: 167.0/95

asym_sam_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 659.169+/-0.151 χ^2/NDF: 1910397.8/20

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 676.666+/-0.142 χ^2/NDF: 2870486.4/26

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

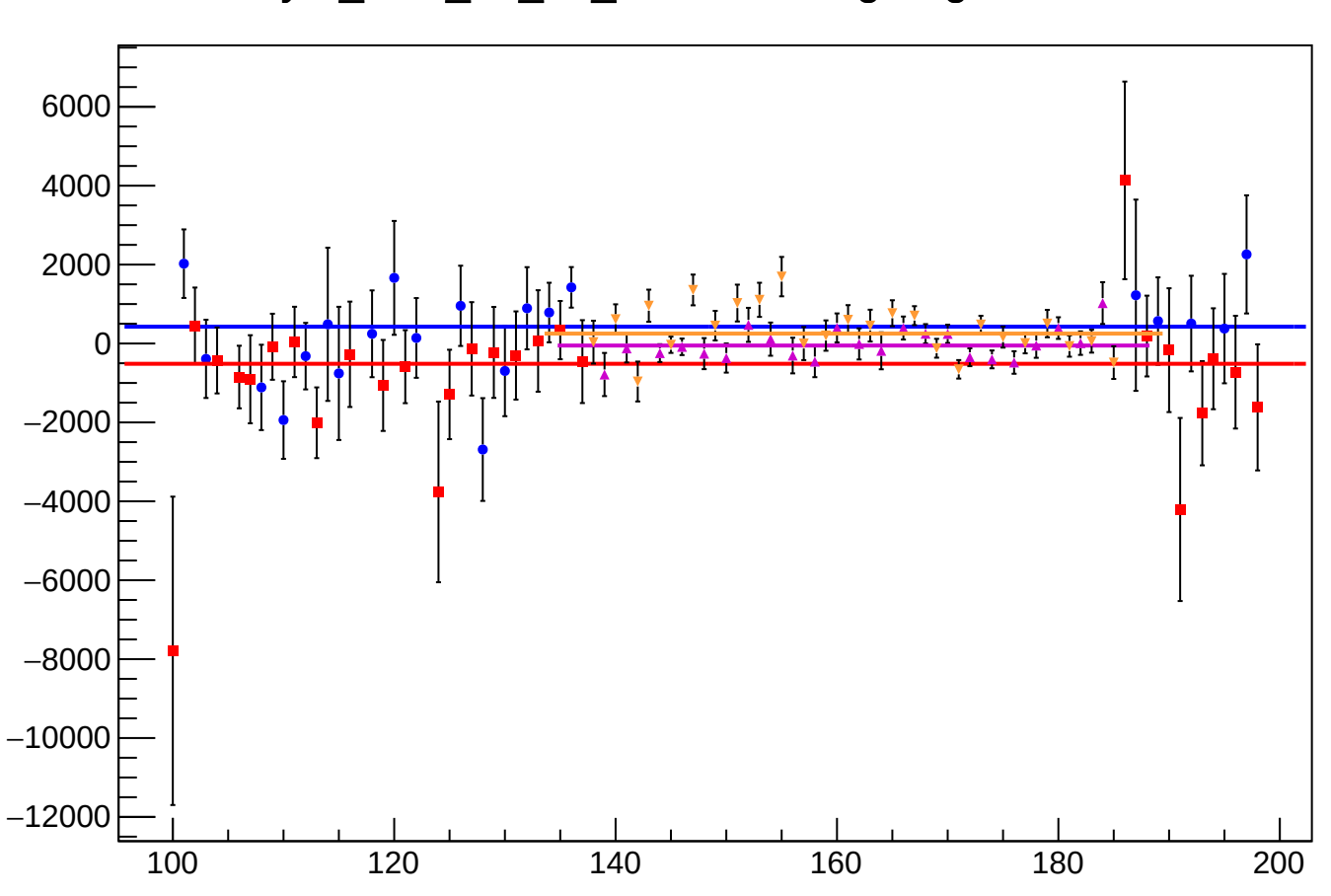
Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

Right: 668.406+/-0.104 χ^2/NDF: 4788004.3/47

In: 273.771+/-0.040 χ^2/NDF:11452045.7/43

Out: 280.398+/-0.040 χ^2/NDF:14183545.2/51

All: 277.145+/-0.028 χ^2/NDF: 25649251.8/95



Right In: 425.866+/-223.890 χ^2/NDF: 26.8/20

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: -514.049+/-214.562 χ^2/NDF: 20.6/26

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

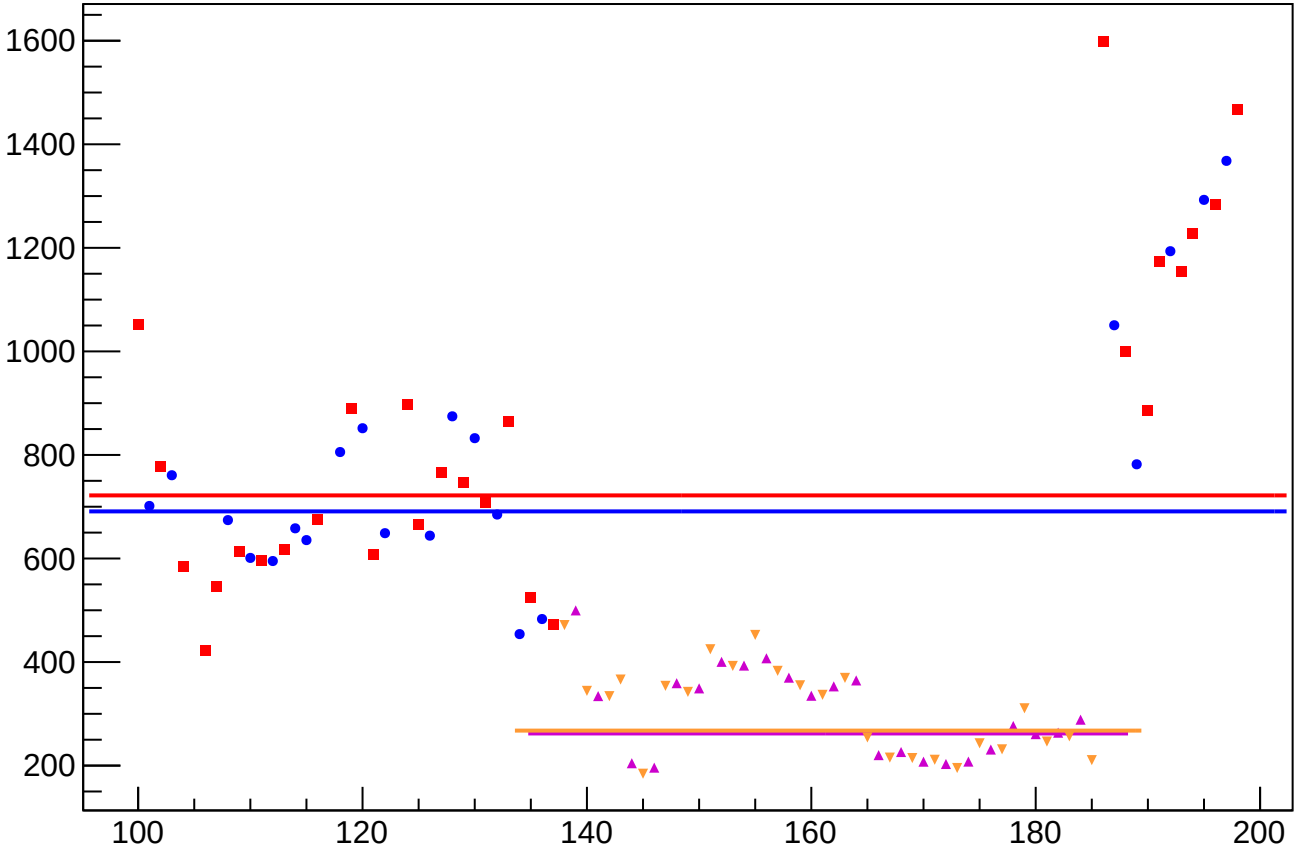
Right: -64.079+/-154.911 χ^2/NDF: 56.6/47

In: -15.794+/-61.396 χ^2/NDF:57.8/43

Out: 189.624+/-60.822 χ^2/NDF:99.8/51

All: 87.879+/-43.209 χ^2/NDF: 163.3/95

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 690.979+/-0.158 χ^2/NDF: 1891538.4/20

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

Right Out: 721.864+/-0.152 χ^2/NDF: 2648911.1/26

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

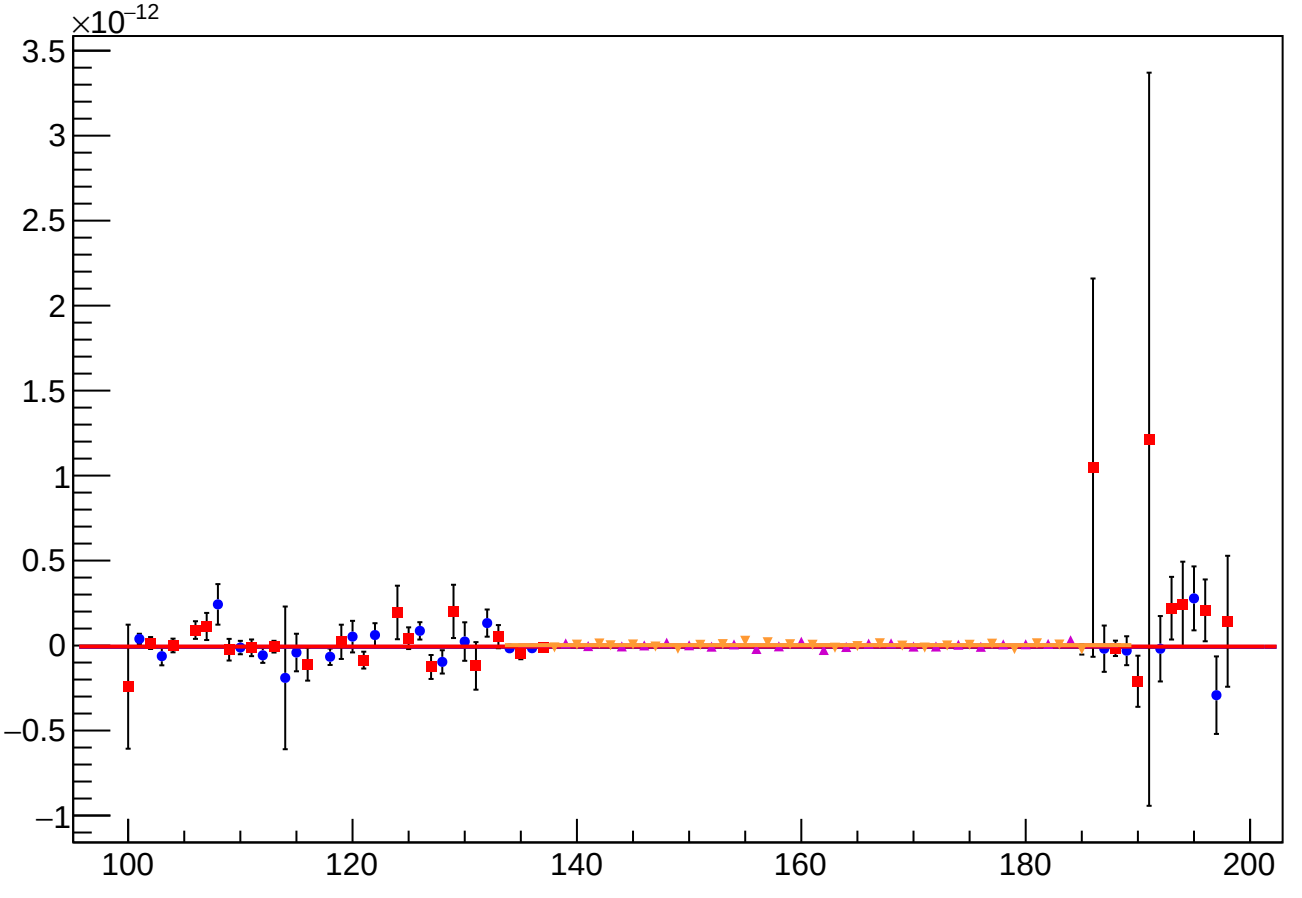
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 707.078+/-0.110 χ^2/NDF: 4560289.0/47

In: 294.344+/-0.043 χ^2/NDF:11216260.3/43

Out: 304.093+/-0.043 χ^2/NDF:13695247.3/51

All: 299.264+/-0.031 χ^2/NDF: 24936957.8/95



Right In: -0.000+/-0.000 χ^2/NDF: 24.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/26

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

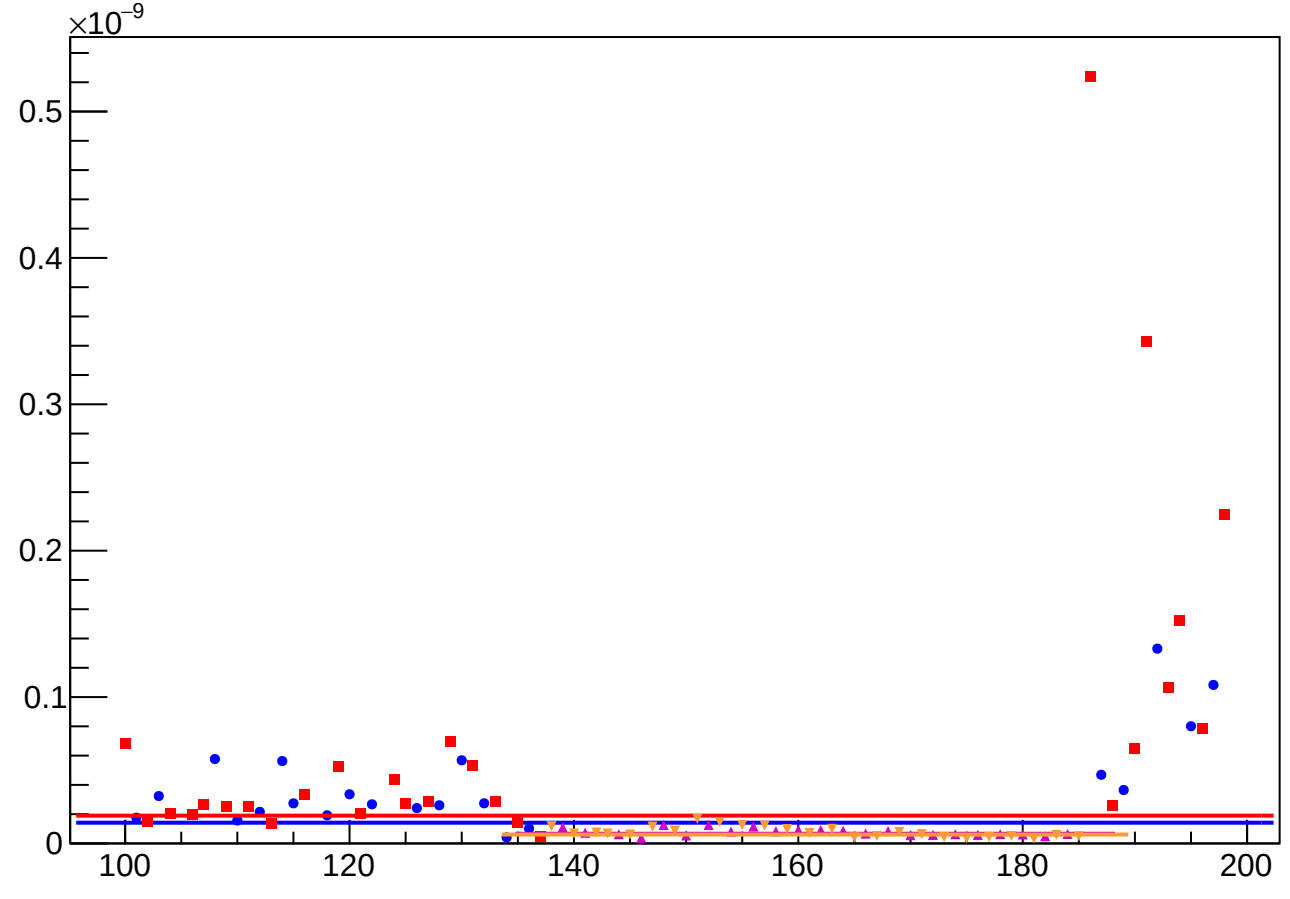
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 52.0/47

In: 0.000+/-0.000 χ^2/NDF:38.1/43

Out: 0.000+/-0.000 χ^2/NDF:42.9/51

All: 0.000+/-0.000 χ^2/NDF: 81.2/95



Right In: 0.000+/-0.000 χ^2/NDF: 3710418.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4197243.0/26

Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

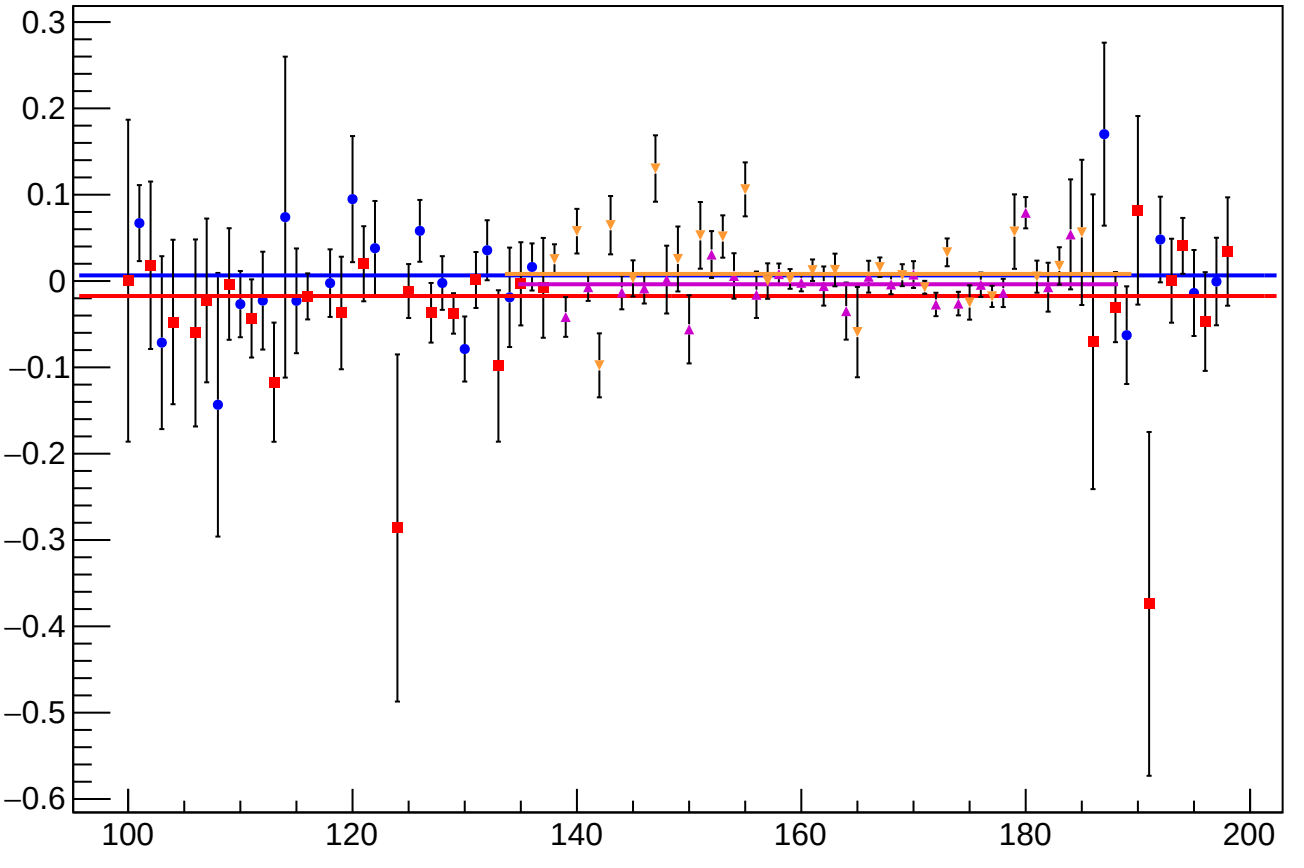
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 8130248.0/47

In: 0.000+/-0.000 χ^2/NDF:6114226.6/43

Out: 0.000+/-0.000 χ^2/NDF:9201279.5/51

All: 0.000+/-0.000 χ^2/NDF: 15361183.2/95



Right In: 0.007+/-0.010 χ^2/NDF: 19.8/20

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.009 χ^2/NDF: 16.4/26

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

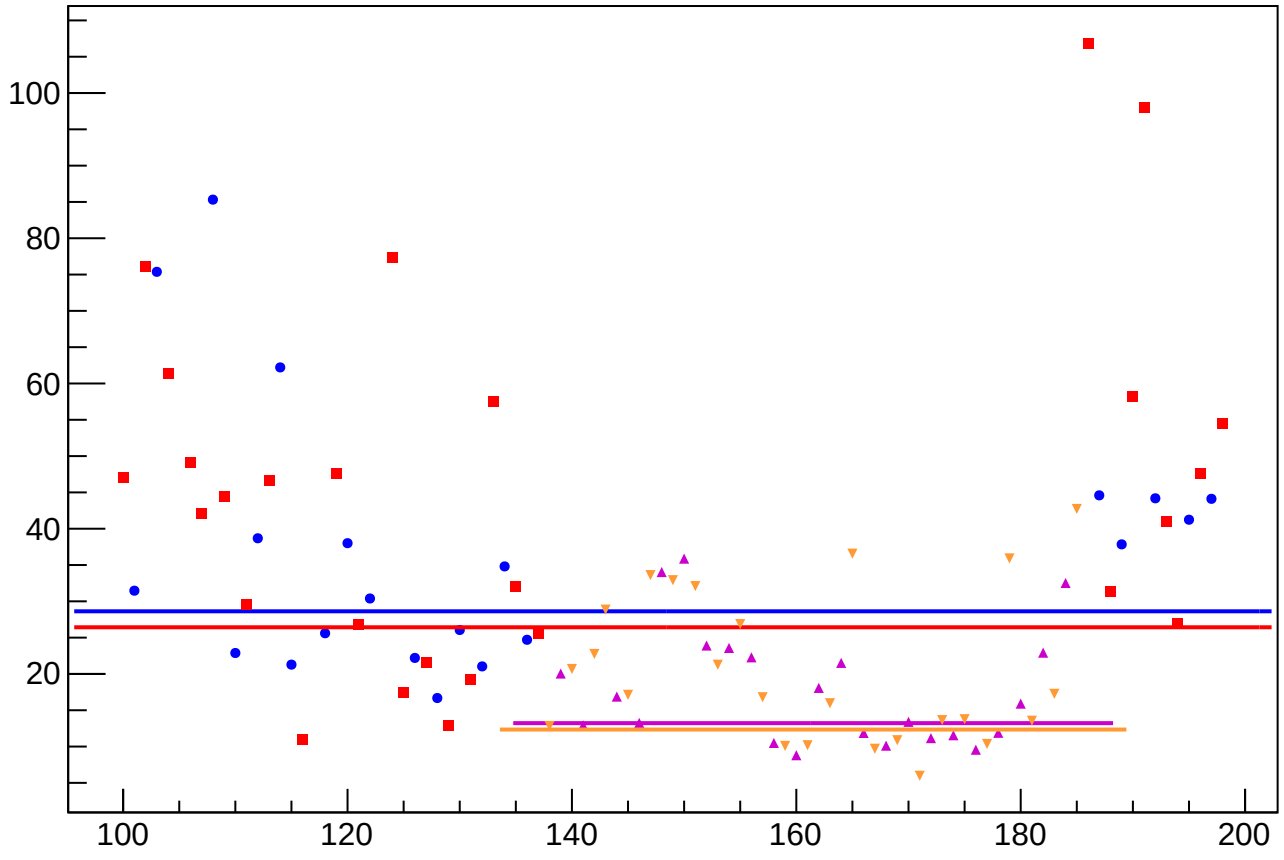
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.007+/-0.007 χ^2/NDF: 39.2/47

In: -0.003+/-0.003 χ^2/NDF:57.9/43

Out: 0.005+/-0.003 χ^2/NDF:81.9/51

All: 0.001+/-0.002 χ^2/NDF: 142.5/95



Right In: 28.627+/-0.007 χ^2/NDF: 2108245.2/20

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 26.426+/-0.007 χ^2/NDF: 5318690.7/26

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

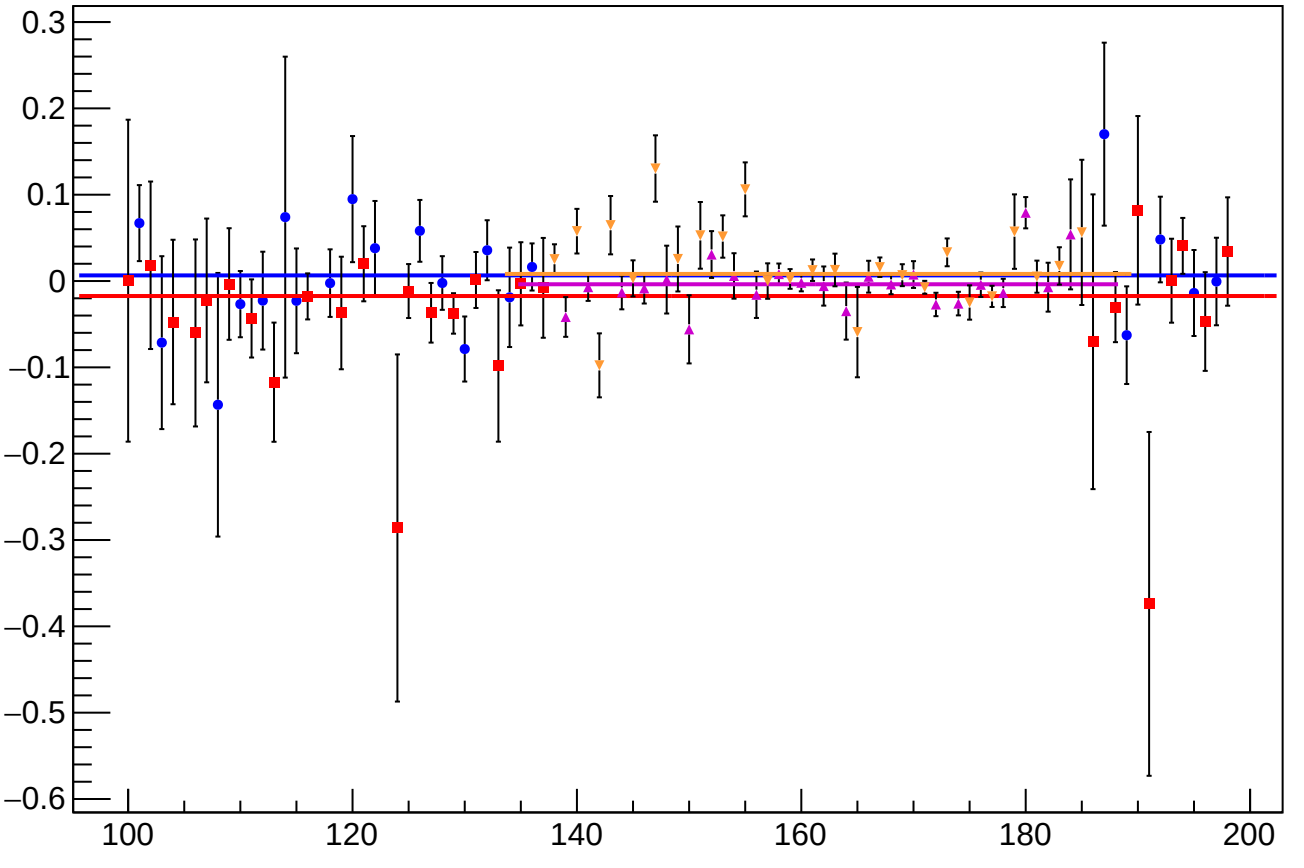
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.422+/-0.005 χ^2/NDF: 7478467.0/47

In: 14.976+/-0.002 χ^2/NDF:10064375.7/43

Out: 14.075+/-0.002 χ^2/NDF:16151304.9/51

All: 14.500+/-0.002 χ^2/NDF: 26288998.7/95



Right In: 0.007+/-0.010 χ^2/NDF: 19.8/20

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.009 χ^2/NDF: 16.4/26

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

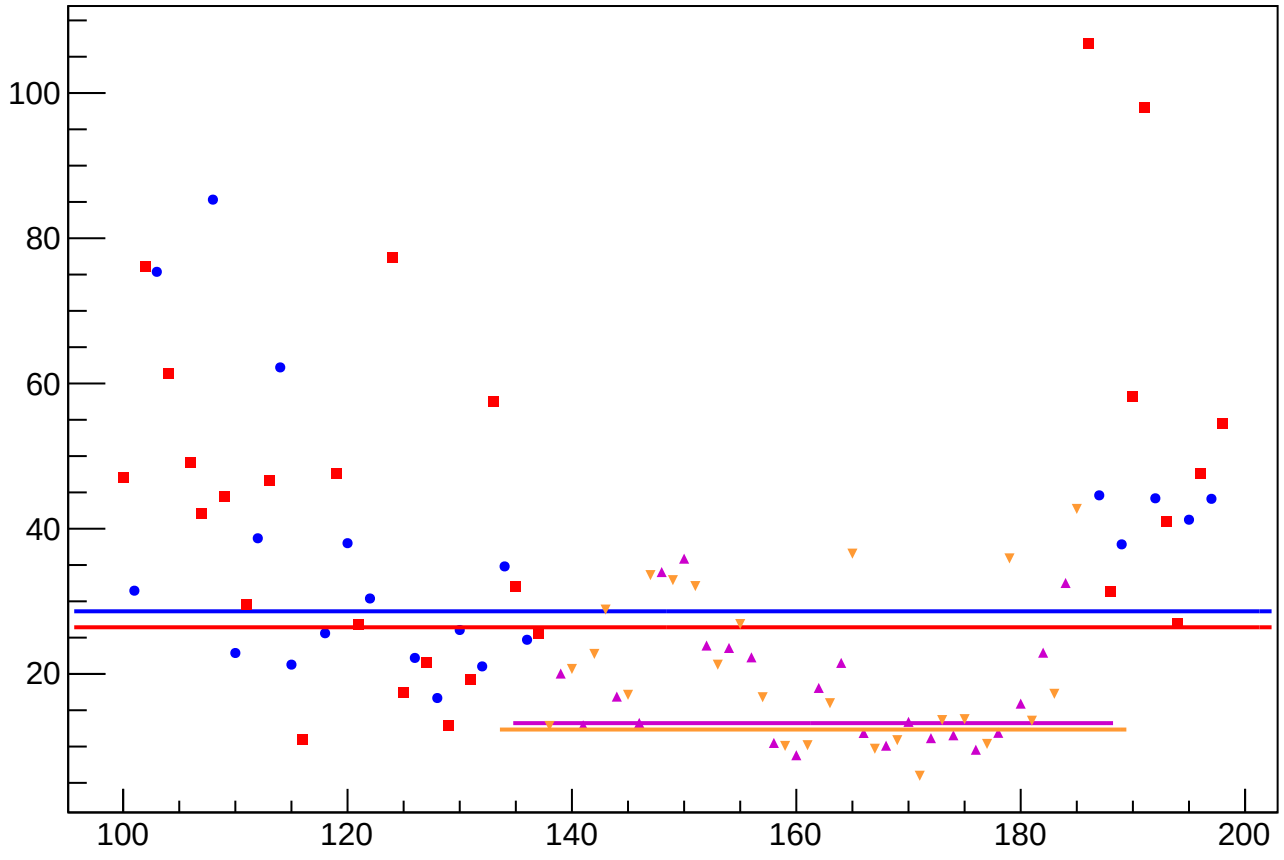
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.007+/-0.007 χ^2/NDF: 39.2/47

In: -0.003+/-0.003 χ^2/NDF:57.9/43

Out: 0.005+/-0.003 χ^2/NDF:81.9/51

All: 0.001+/-0.002 χ^2/NDF: 142.5/95



Right In: 28.627+/-0.007 χ^2/NDF: 2108245.2/20

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 26.426+/-0.007 χ^2/NDF: 5318690.7/26

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

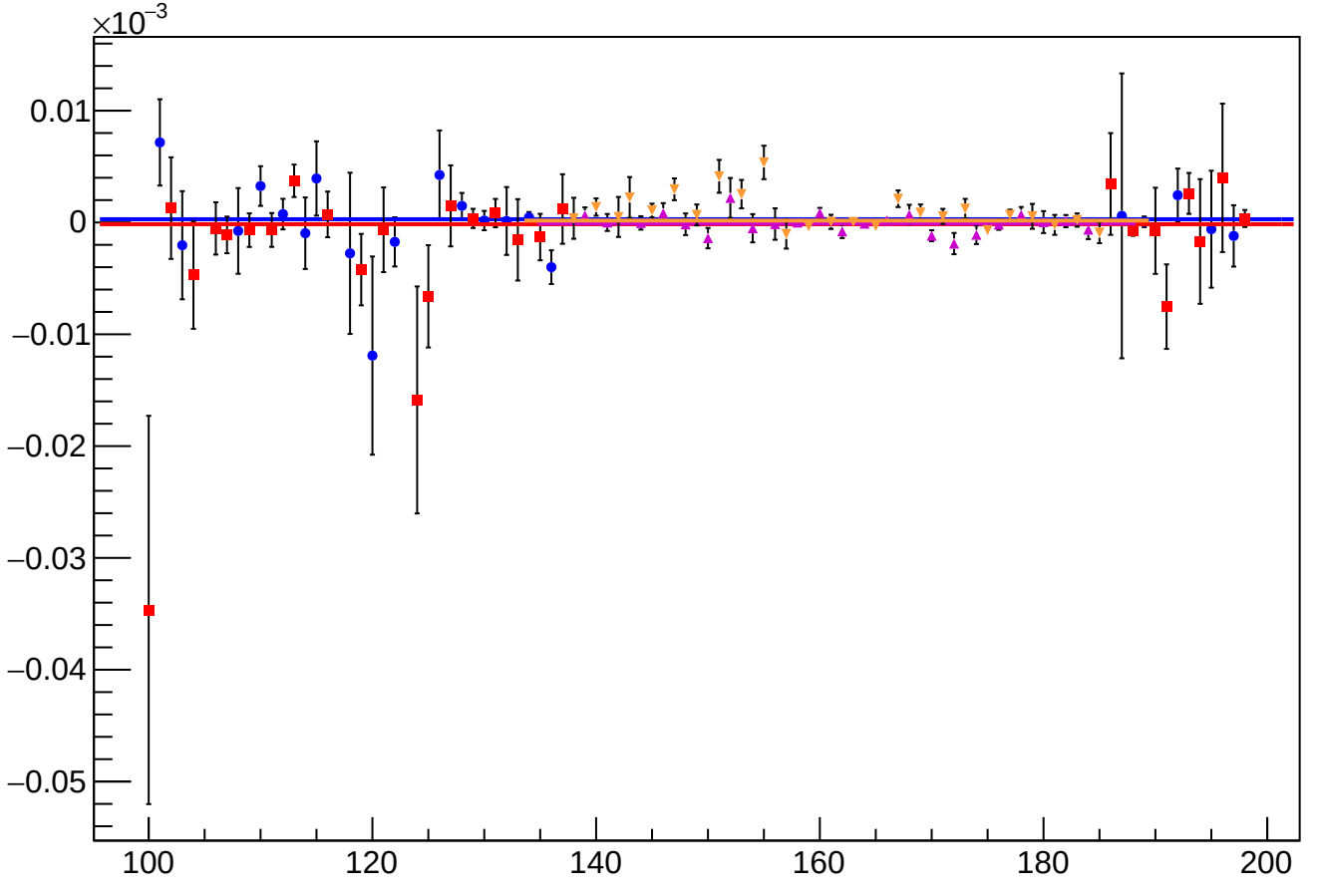
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.422+/-0.005 χ^2/NDF: 7478467.0/47

In: 14.976+/-0.002 χ^2/NDF:10064375.7/43

Out: 14.075+/-0.002 χ^2/NDF:16151304.9/51

All: 14.500+/-0.002 χ^2/NDF: 26288998.7/95



Right In: 0.000+/-0.000 χ^2/NDF: 22.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.9/26

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

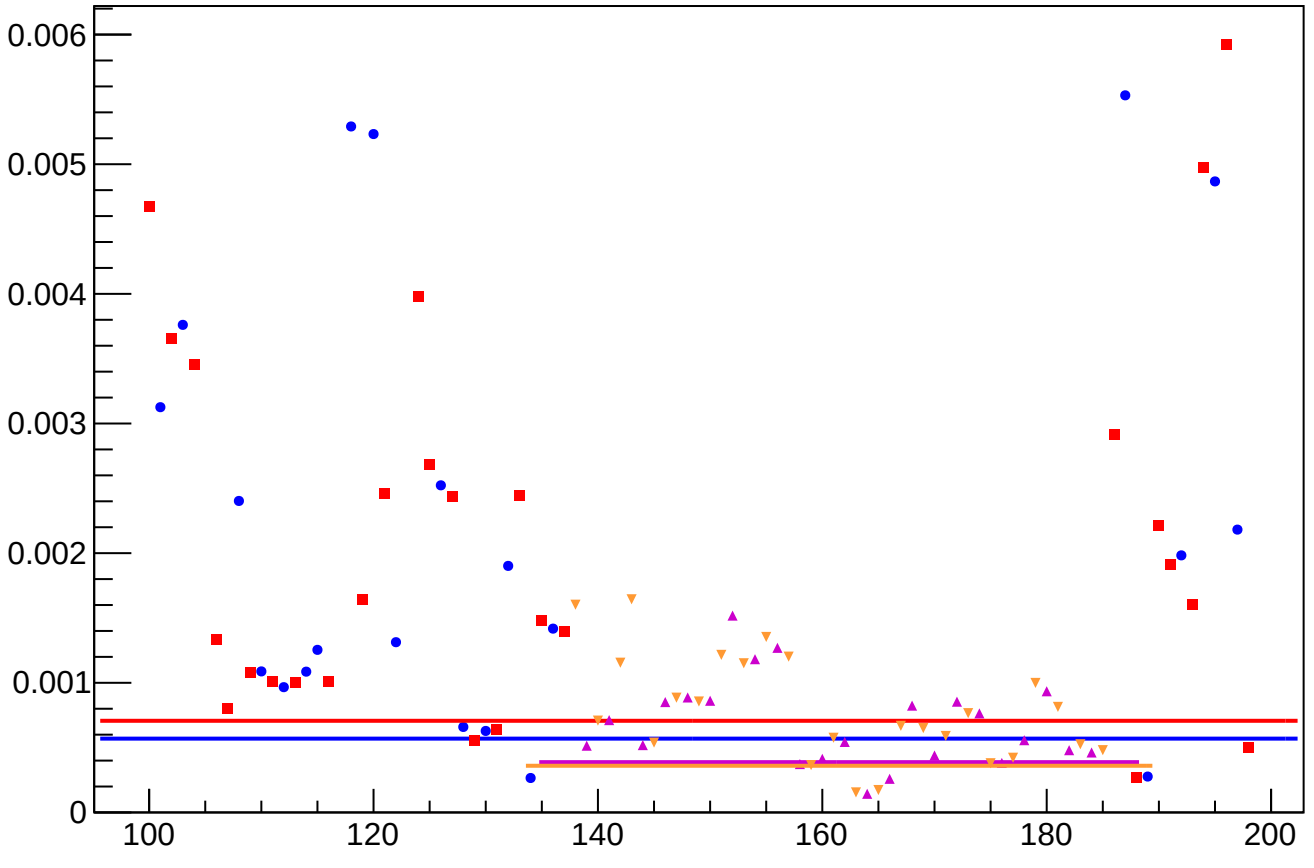
Left: 0.000+/-0.000 χ^2/NDF: 88.8/47

Right: 0.000+/-0.000 χ^2/NDF: 53.5/47

In: -0.000+/-0.000 χ^2/NDF:48.5/43

Out: 0.000+/-0.000 χ^2/NDF:92.5/51

All: 0.000+/-0.000 χ^2/NDF: 142.3/95



Right In: 0.001+/-0.000 χ^2/NDF: 10483177.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10386733.7/26

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

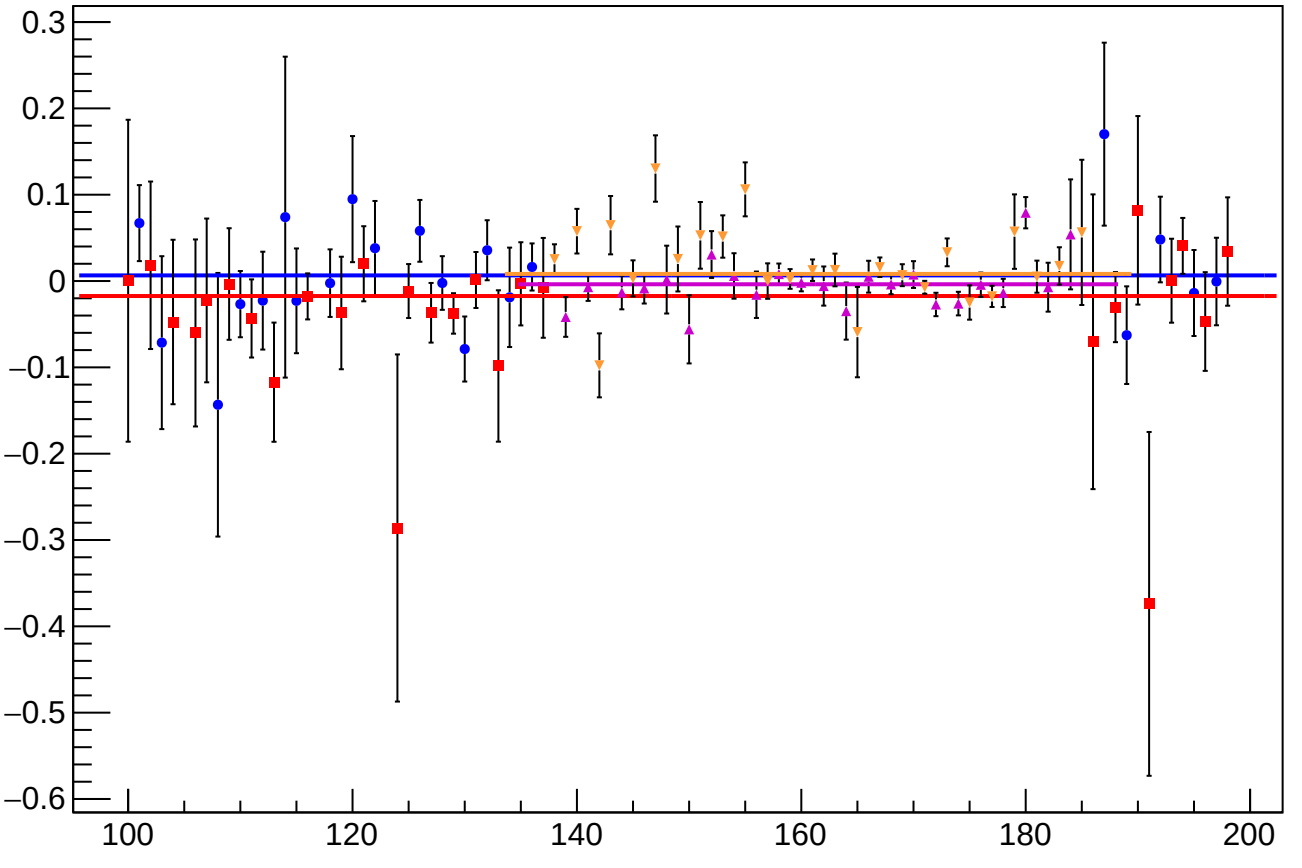
Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

Right: 0.001+/-0.000 χ^2/NDF: 21107694.3/47

In: 0.000+/-0.000 χ^2/NDF:21699187.8/43

Out: 0.000+/-0.000 χ^2/NDF:26919627.4/51

All: 0.000+/-0.000 χ^2/NDF: 48639049.9/95



Right In: 0.007+/-0.010 χ^2/NDF: 19.8/20

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.009 χ^2/NDF: 16.4/26

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

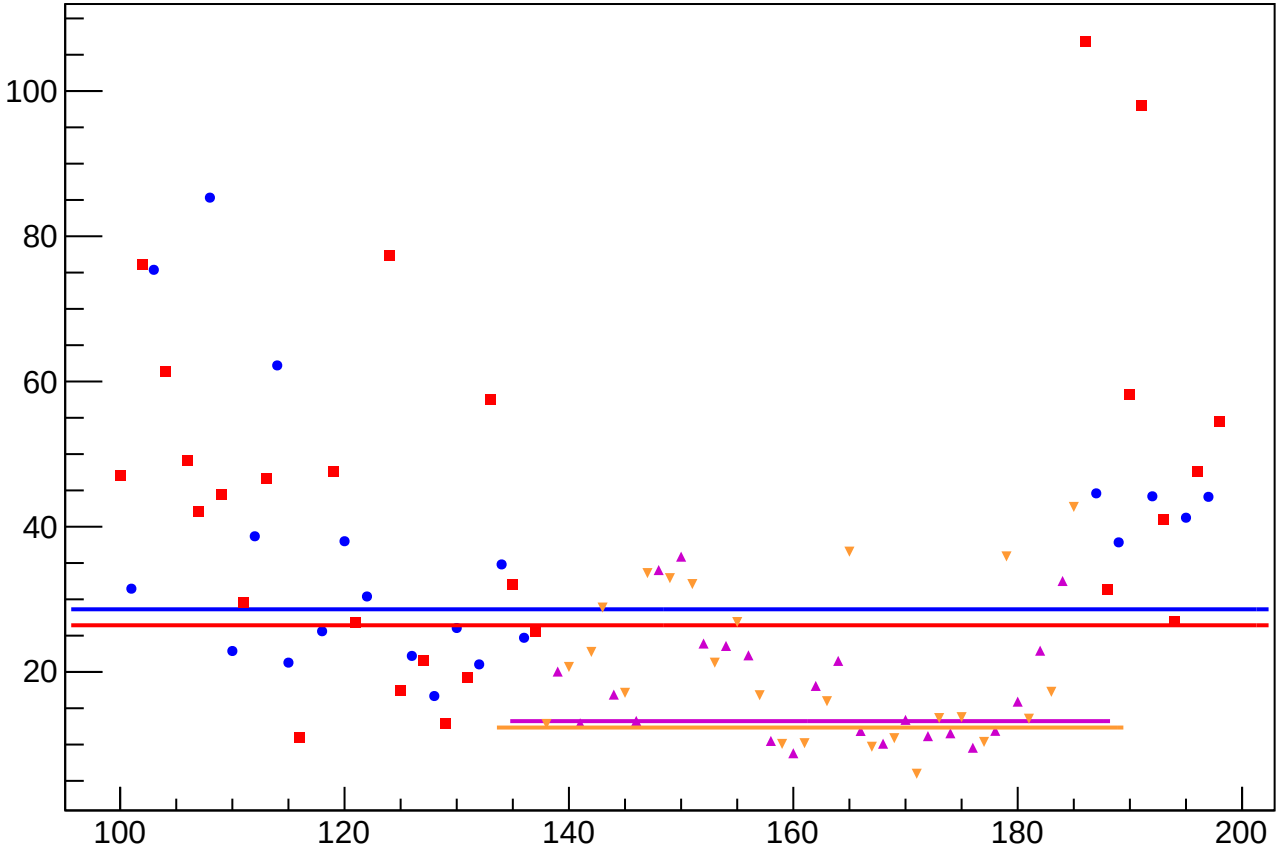
Right: -0.007+/-0.007 χ^2/NDF: 39.2/47

In: -0.003+/-0.003 χ^2/NDF:57.9/43

Out: 0.005+/-0.003 χ^2/NDF:81.9/51

All: 0.001+/-0.002 χ^2/NDF: 142.5/95

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.627+/-0.007 χ^2/NDF: 2108179.3/20

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 26.427+/-0.007 χ^2/NDF: 5318389.7/26

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

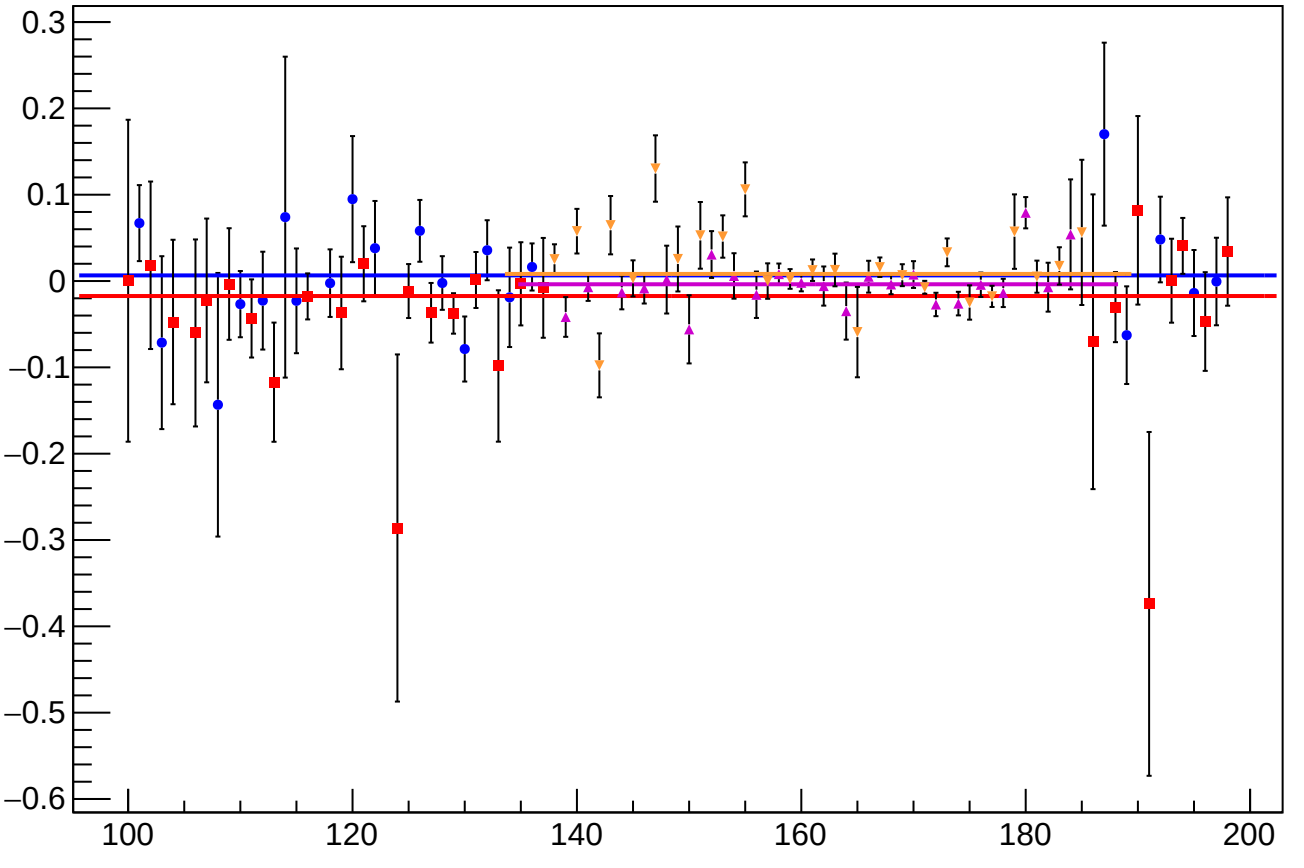
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 27.423+/-0.005 χ^2/NDF: 7478089.0/47

In: 14.976+/-0.002 χ^2/NDF:10064563.3/43

Out: 14.075+/-0.002 χ^2/NDF:16151415.9/51

All: 14.500+/-0.002 χ^2/NDF: 26289286.3/95



Right In: 0.007+/-0.010 χ^2/NDF: 19.8/20

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.009 χ^2/NDF: 16.4/26

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

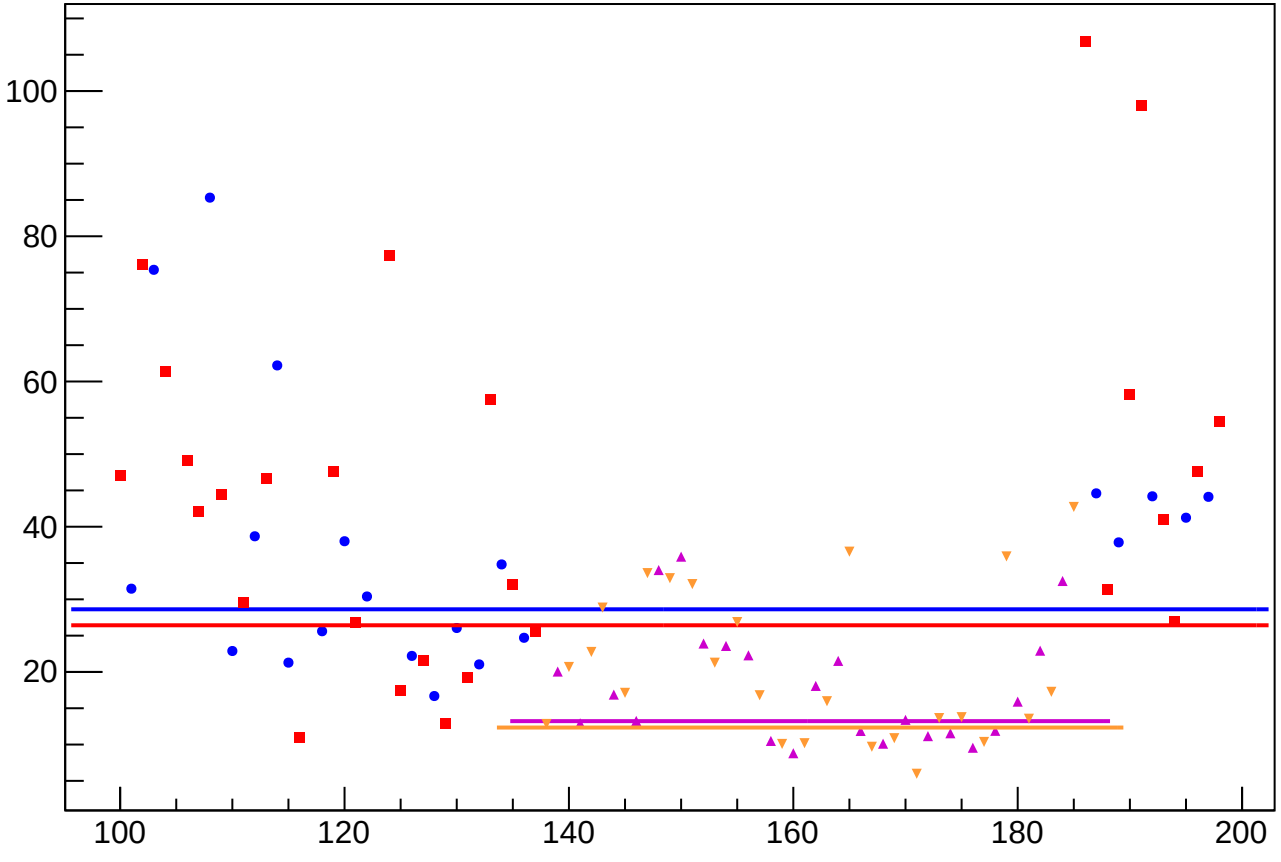
Right: -0.007+/-0.007 χ^2/NDF: 39.2/47

In: -0.003+/-0.003 χ^2/NDF:57.9/43

Out: 0.005+/-0.003 χ^2/NDF:81.9/51

All: 0.001+/-0.002 χ^2/NDF: 142.5/95

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.627+/-0.007 χ^2/NDF: 2108179.3/20

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 26.427+/-0.007 χ^2/NDF: 5318389.7/26

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

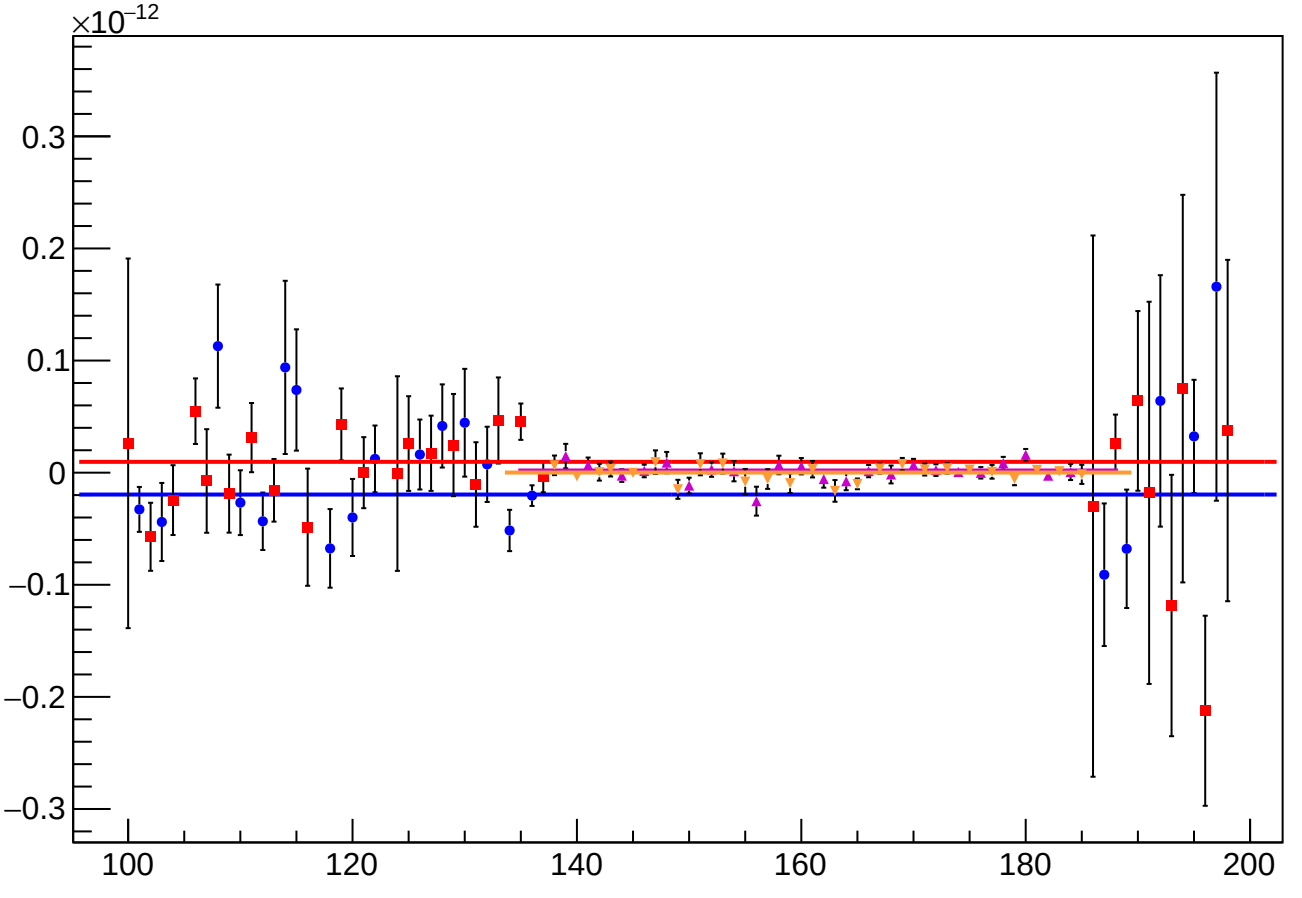
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 27.423+/-0.005 χ^2/NDF: 7478089.0/47

In: 14.976+/-0.002 χ^2/NDF:10064563.3/43

Out: 14.075+/-0.002 χ^2/NDF:16151415.9/51

All: 14.500+/-0.002 χ^2/NDF: 26289286.3/95



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/26

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

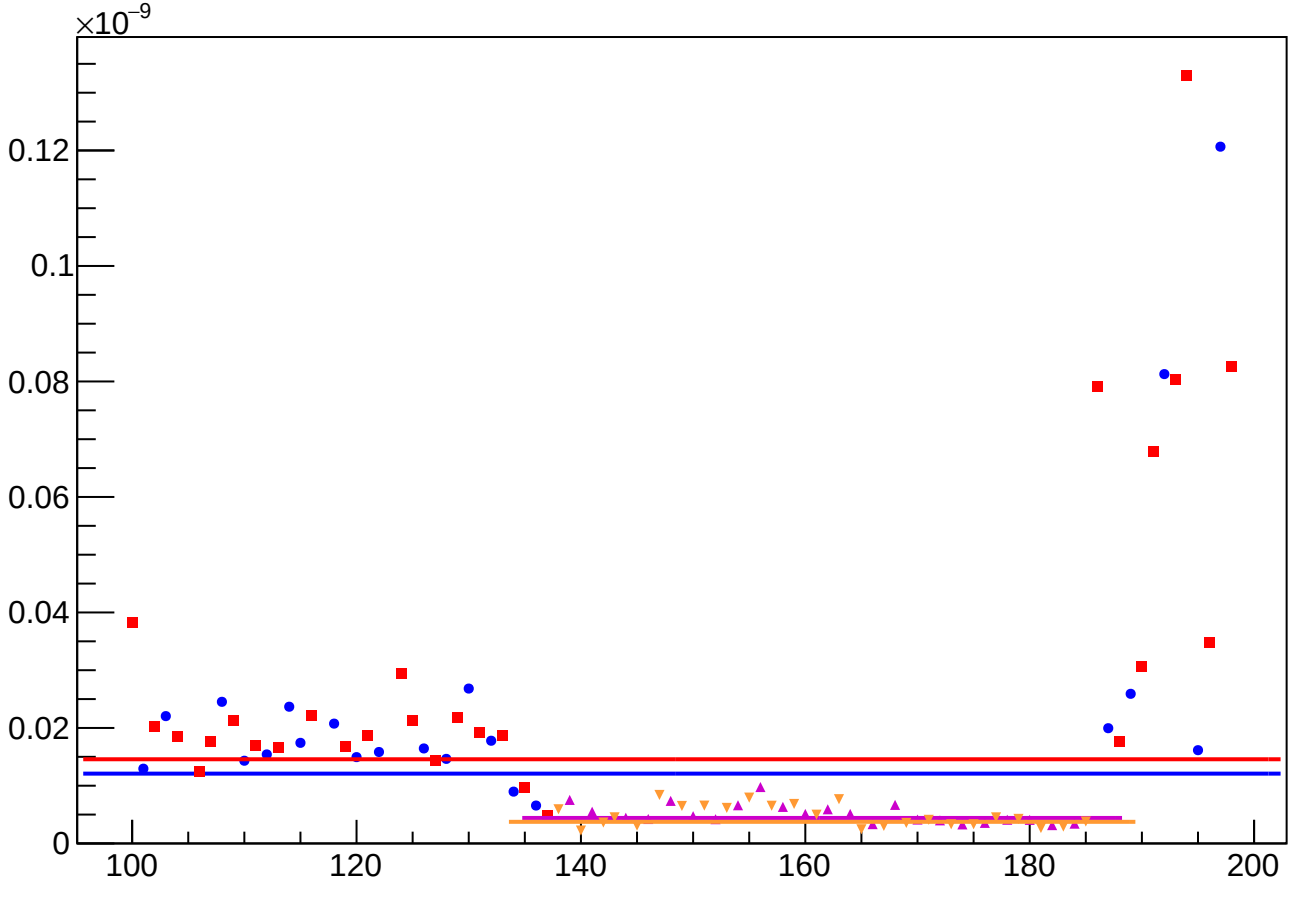
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 70.9/47

In: 0.000+/-0.000 χ^2/NDF:68.2/43

Out: 0.000+/-0.000 χ^2/NDF:53.1/51

All: 0.000+/-0.000 χ^2/NDF: 121.5/95



Right In: 0.000+/-0.000 χ^2/NDF: 3208046.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4267483.0/26

Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

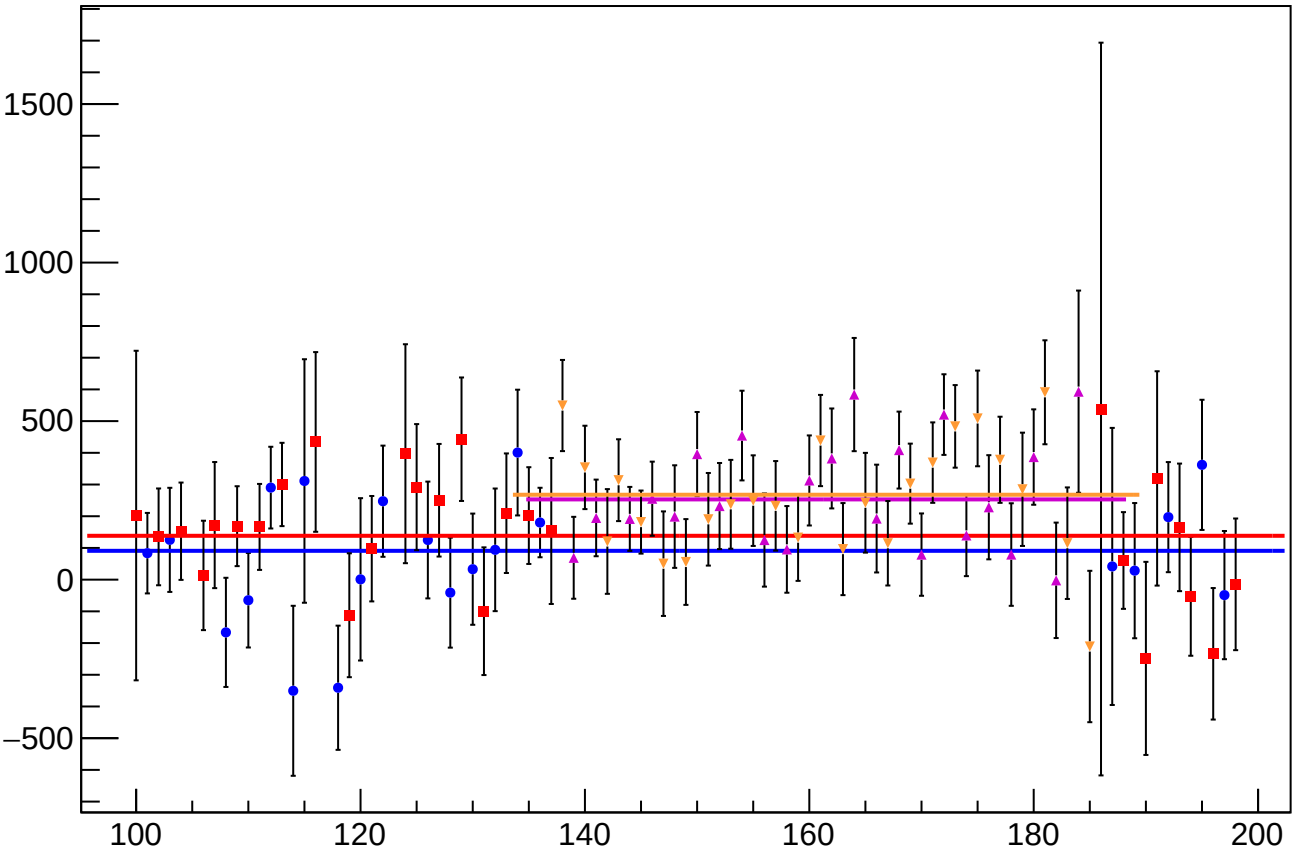
Left: 0.000+/-0.000 χ^2/NDF: 5111609.7/47

Right: 0.000+/-0.000 χ^2/NDF: 7636190.9/47

In: 0.000+/-0.000 χ^2/NDF:8153668.2/43

Out: 0.000+/-0.000 χ^2/NDF:12760955.6/51

All: 0.000+/-0.000 χ^2/NDF: 21243521.8/95



Right In: 90.913+/-38.578 χ^2/NDF: 21.1/20

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: 138.315+/-36.099 χ^2/NDF: 17.8/26

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

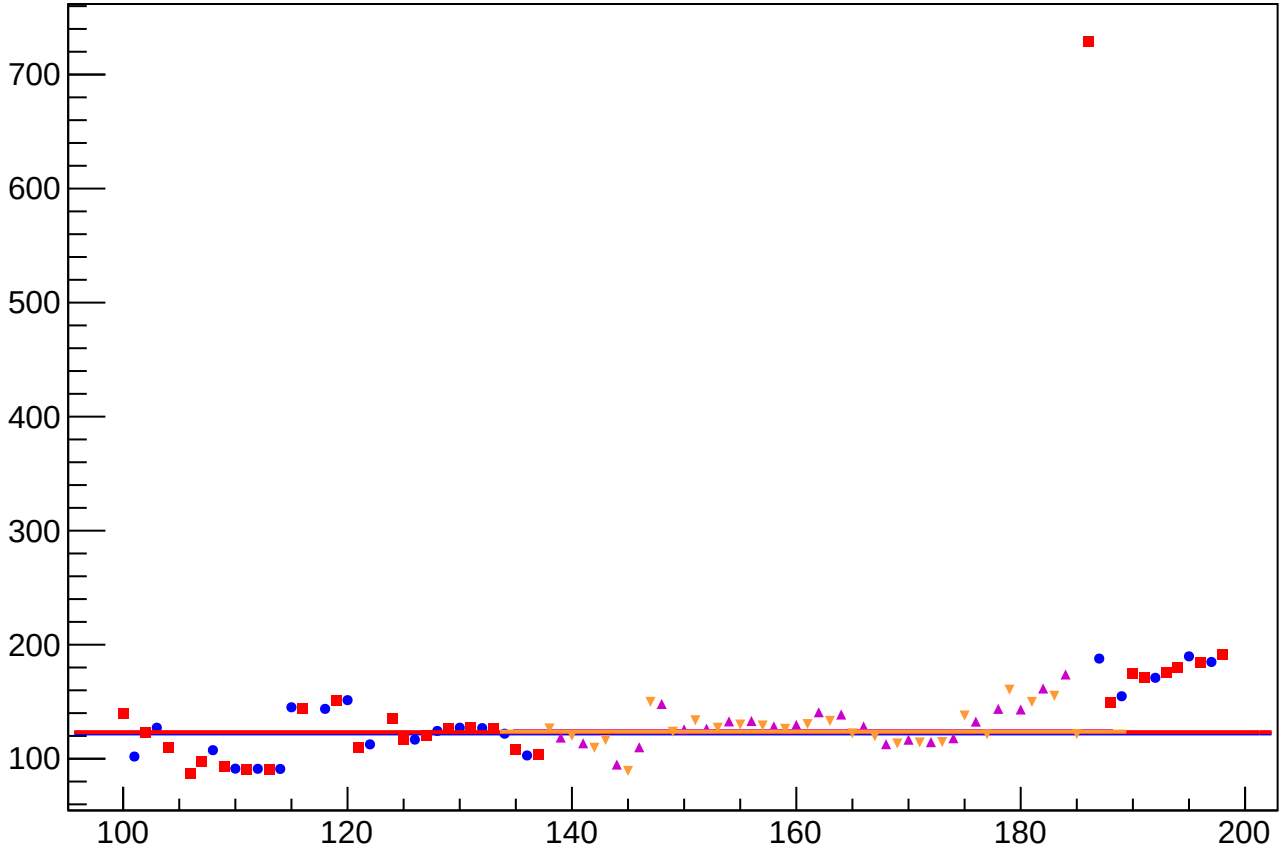
Right: 116.186+/-26.359 χ^2/NDF: 39.7/47

In: 193.703+/-23.340 χ^2/NDF:58.5/43

Out: 218.269+/-22.324 χ^2/NDF:56.8/51

All: 206.532+/-16.133 χ^2/NDF: 115.8/95

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 122.188+/-0.027 χ^2/NDF: 1085052.7/20

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 123.321+/-0.026 χ^2/NDF: 2015931.0/26

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

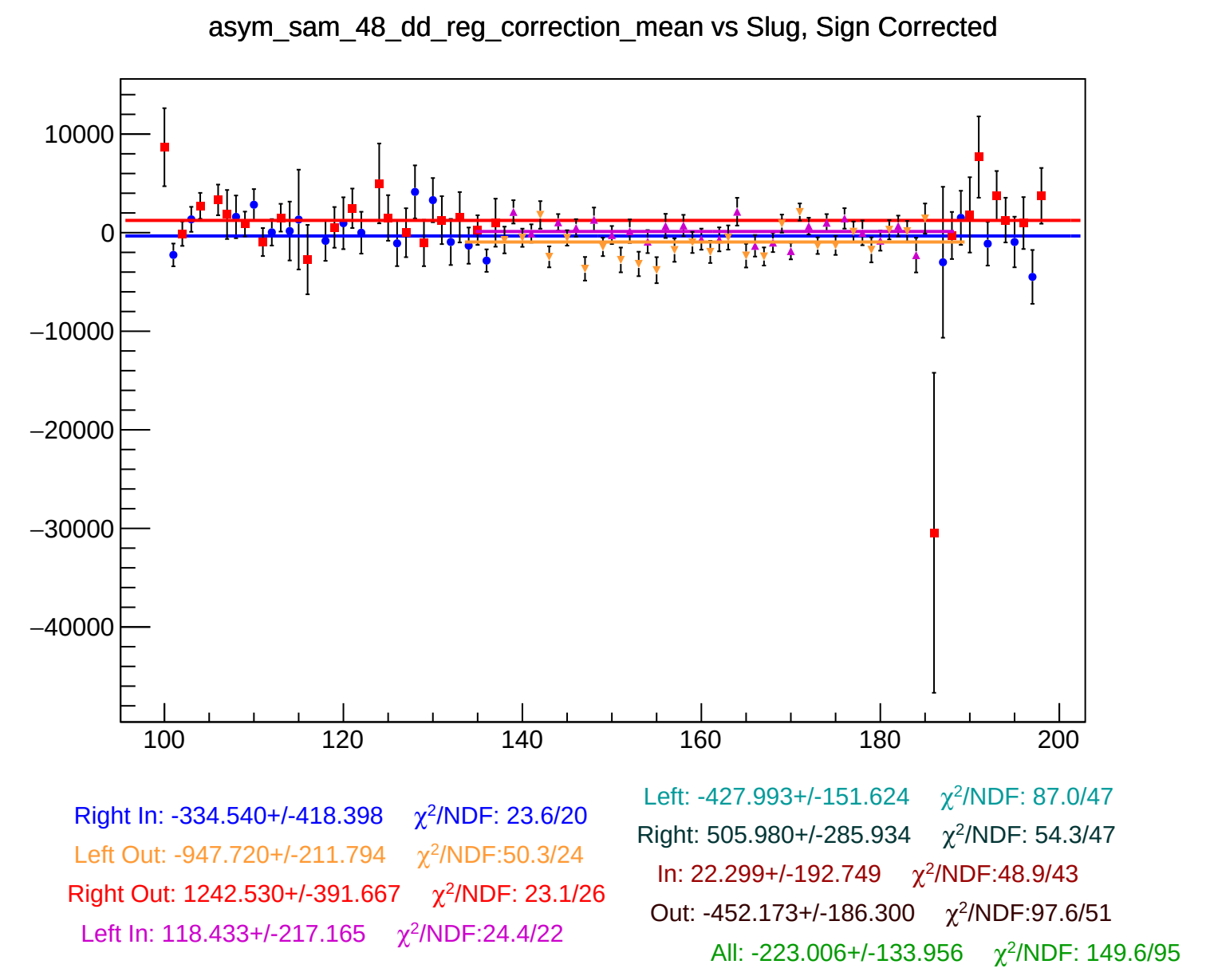
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

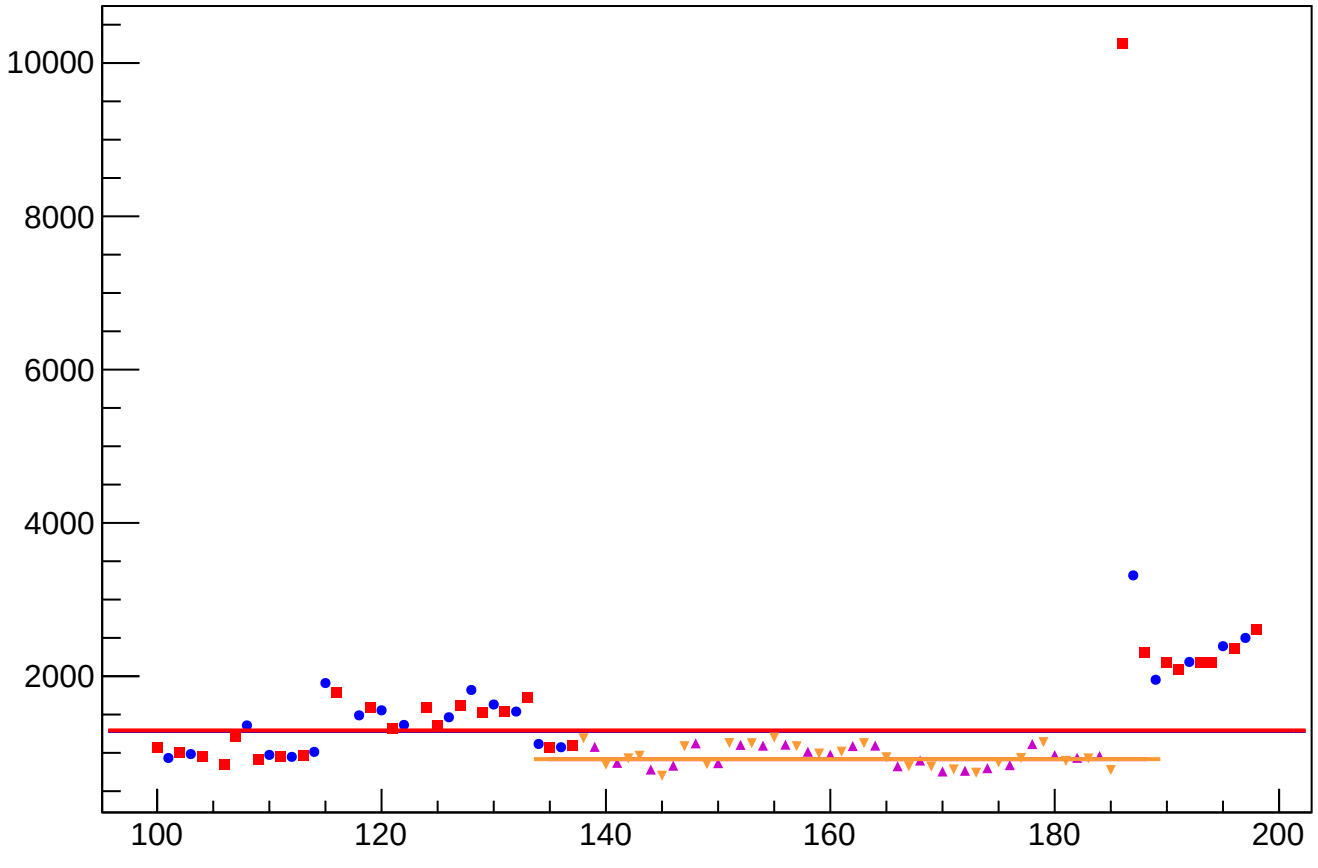
Right: 122.792+/-0.019 χ^2/NDF: 3101903.9/47

In: 123.501+/-0.017 χ^2/NDF:1645921.3/43

Out: 123.621+/-0.016 χ^2/NDF:2614599.1/51

All: 123.564+/-0.011 χ^2/NDF: 4260548.3/95


asym_sam_48_dd_reg_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -334.540+/-418.398 χ²/NDF: 23.6/20
Left Out: -947.720+/-211.794 χ²/NDF:50.3/24
Right Out: 1242.530+/-391.667 χ²/NDF: 23.1/26
Left In: 118.433+/-217.165 χ²/NDF:24.4/22
Left: -427.993+/-151.624 χ²/NDF: 87.0/47
Right: 505.980+/-285.934 χ²/NDF: 54.3/47
In: 22.299+/-192.749 χ²/NDF:48.9/43
Out: -452.173+/-186.300 χ²/NDF:97.6/51
All: -223.006+/-133.956 χ²/NDF: 149.6/95



Right In: 1285.195+/-0.296 χ^2/NDF: 2200718.3/20

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1292.574+/-0.277 χ^2/NDF: 3587804.0/26

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

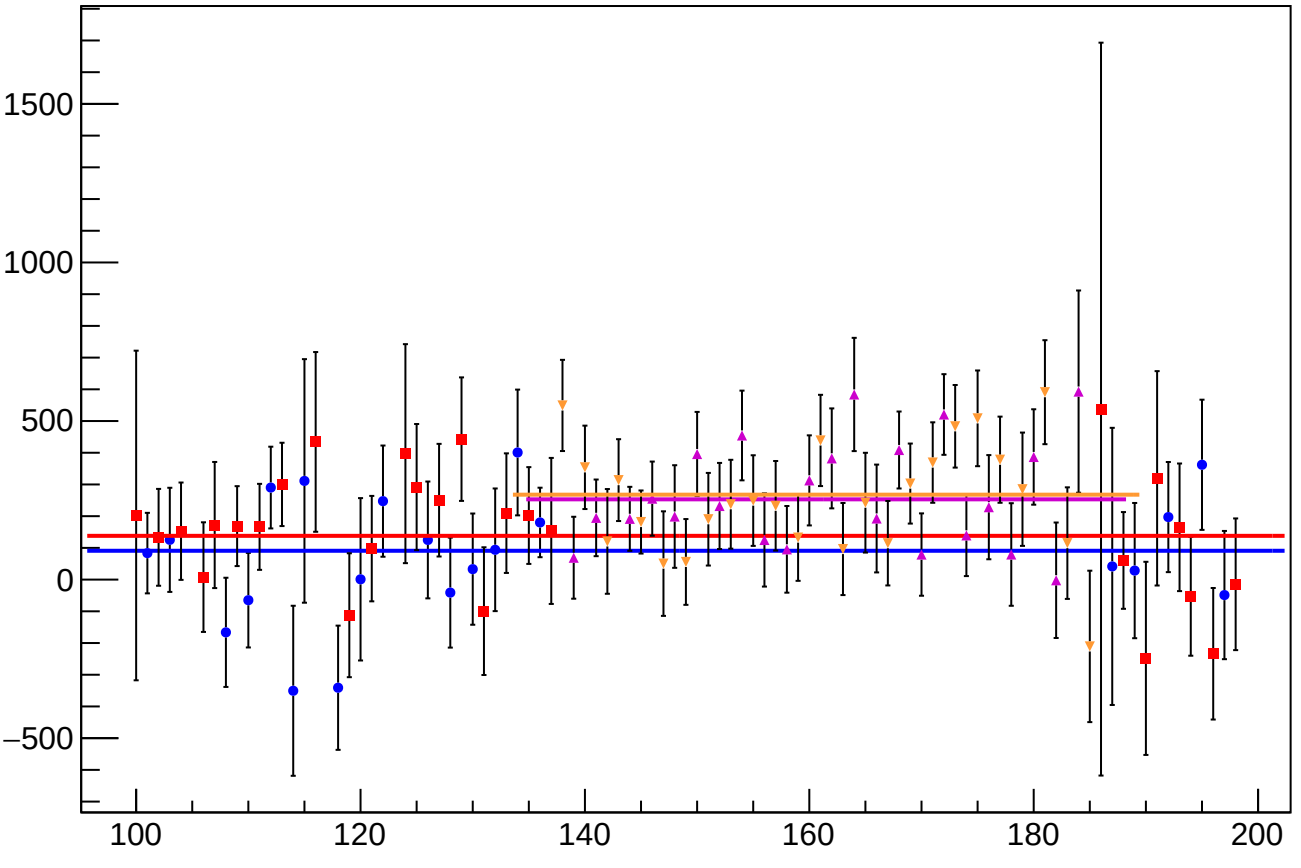
Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

Right: 1289.128+/-0.202 χ^2/NDF: 5788853.8/47

In: 996.098+/-0.136 χ^2/NDF:4079078.1/43

Out: 1003.136+/-0.132 χ^2/NDF:5887214.1/51

All: 999.736+/-0.095 χ^2/NDF: 9967670.9/95



Right In: 90.903+/-38.578 χ^2/NDF: 21.1/20

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 137.998+/-36.103 χ^2/NDF: 17.9/26

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

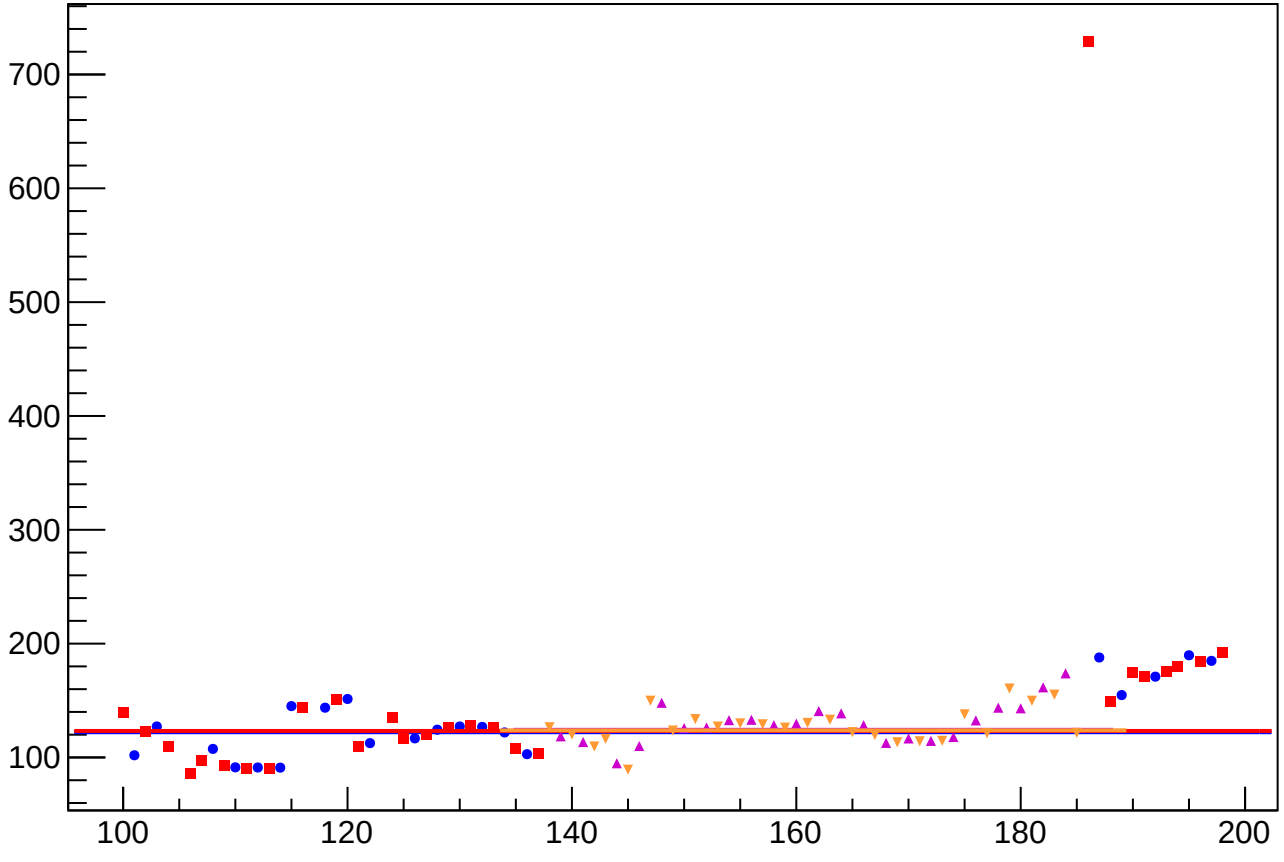
Right: 116.010+/-26.360 χ^2/NDF: 39.8/47

In: 193.702+/-23.340 χ^2/NDF:58.5/43

Out: 218.160+/-22.325 χ^2/NDF:56.8/51

All: 206.474+/-16.133 χ^2/NDF: 115.9/95

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 122.188+/-0.027 χ^2/NDF: 1085053.1/20

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 123.280+/-0.026 χ^2/NDF: 2021256.7/26

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

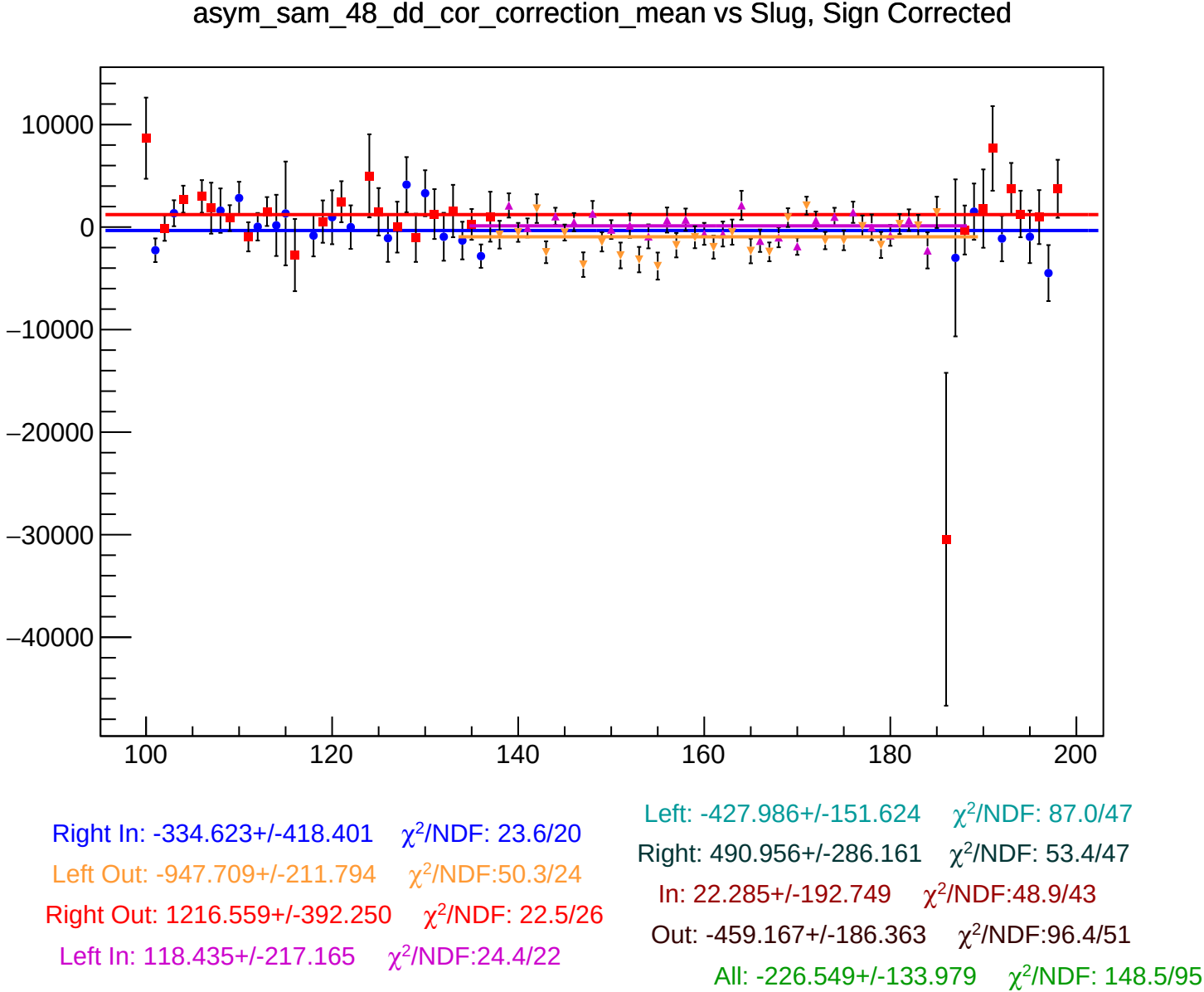
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

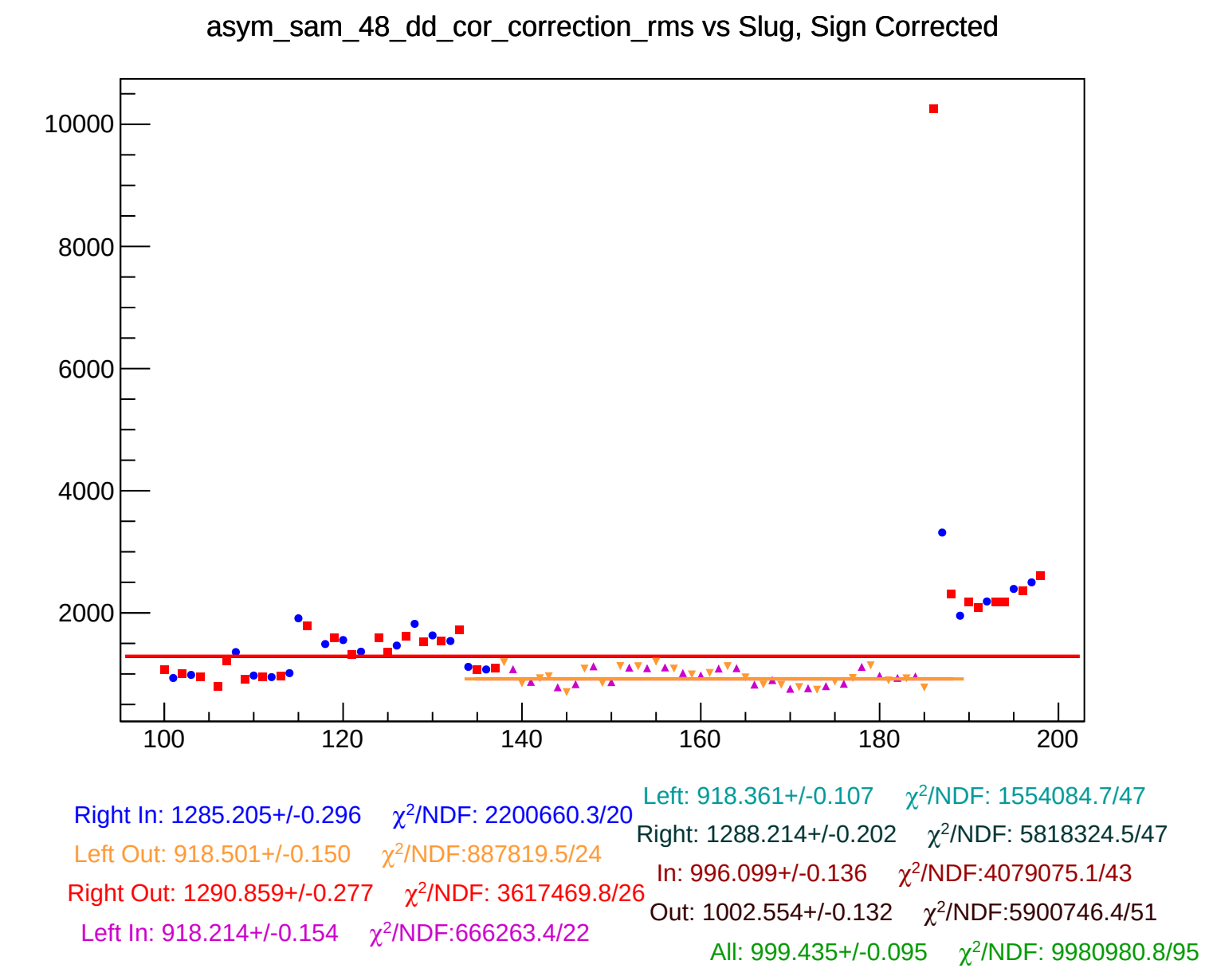
Right: 122.770+/-0.019 χ^2/NDF: 3107164.2/47

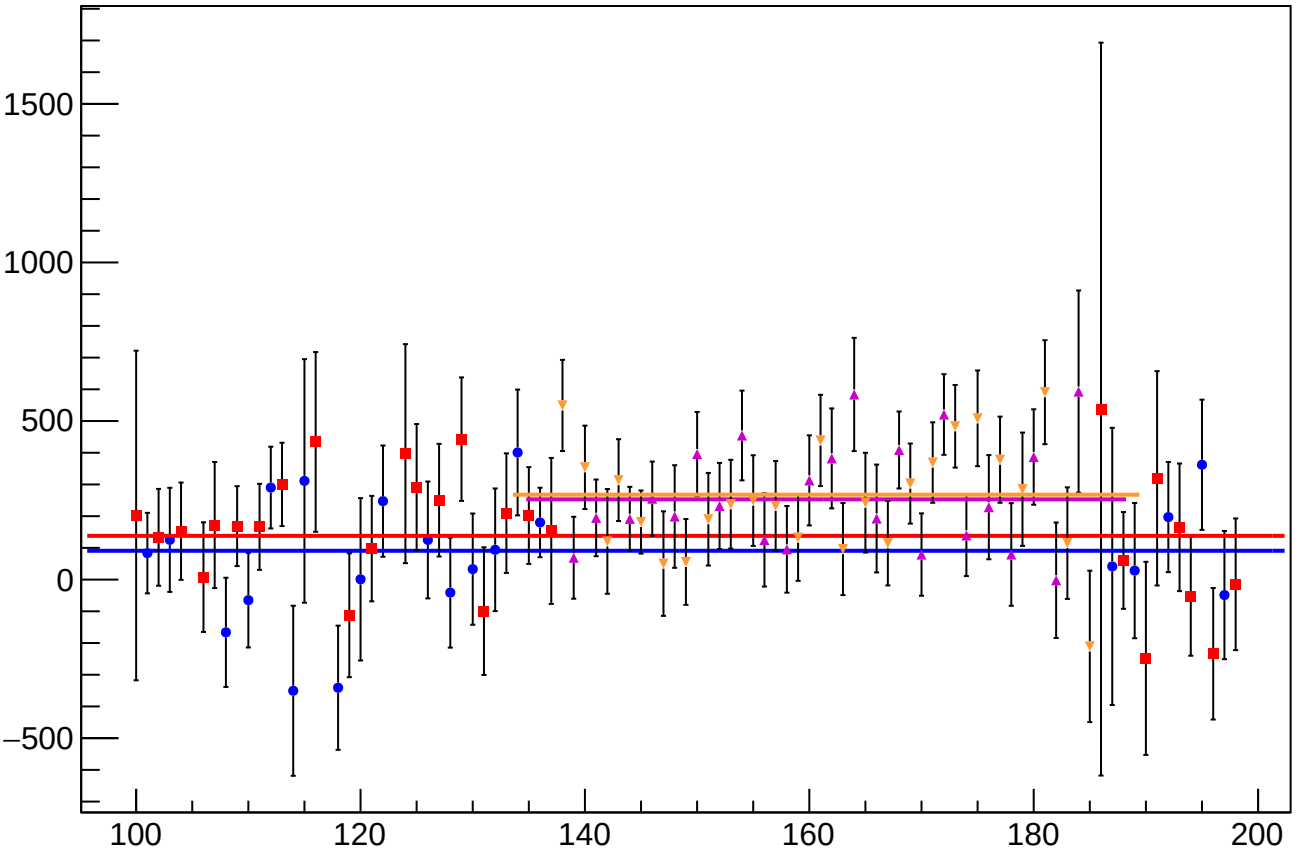
In: 123.501+/-0.017 χ^2/NDF:1645921.7/43

Out: 123.606+/-0.016 χ^2/NDF:2619964.4/51

All: 123.556+/-0.011 χ^2/NDF: 4265907.2/95


asym_sam_48_dd_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -334.623+/-418.401 χ²/NDF: 23.6/20
Left Out: -947.709+/-211.794 χ²/NDF:50.3/24
Right Out: 1216.559+/-392.250 χ²/NDF: 22.5/26
Left In: 118.435+/-217.165 χ²/NDF:24.4/22
Left: -427.986+/-151.624 χ²/NDF: 87.0/47
Right: 490.956+/-286.161 χ²/NDF: 53.4/47
In: 22.285+/-192.749 χ²/NDF:48.9/43
Out: -459.167+/-186.363 χ²/NDF:96.4/51
All: -226.549+/-133.979 χ²/NDF: 148.5/95


asym_sam_48_dd_cor_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 1285.205+/-0.296 χ²/NDF: 2200660.3/20
Left Out: 918.501+/-0.150 χ²/NDF:887819.5/24
Right Out: 1290.859+/-0.277 χ²/NDF: 3617469.8/26
Left In: 918.214+/-0.154 χ²/NDF:666263.4/22
Left: 918.361+/-0.107 χ²/NDF: 1554084.7/47
Right: 1288.214+/-0.202 χ²/NDF: 5818324.5/47
In: 996.099+/-0.136 χ²/NDF:4079075.1/43
Out: 1002.554+/-0.132 χ²/NDF:5900746.4/51
All: 999.435+/-0.095 χ²/NDF: 9980980.8/95



Right In: 90.903+/-38.578 χ^2/NDF: 21.1/20

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 137.998+/-36.103 χ^2/NDF: 17.9/26

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

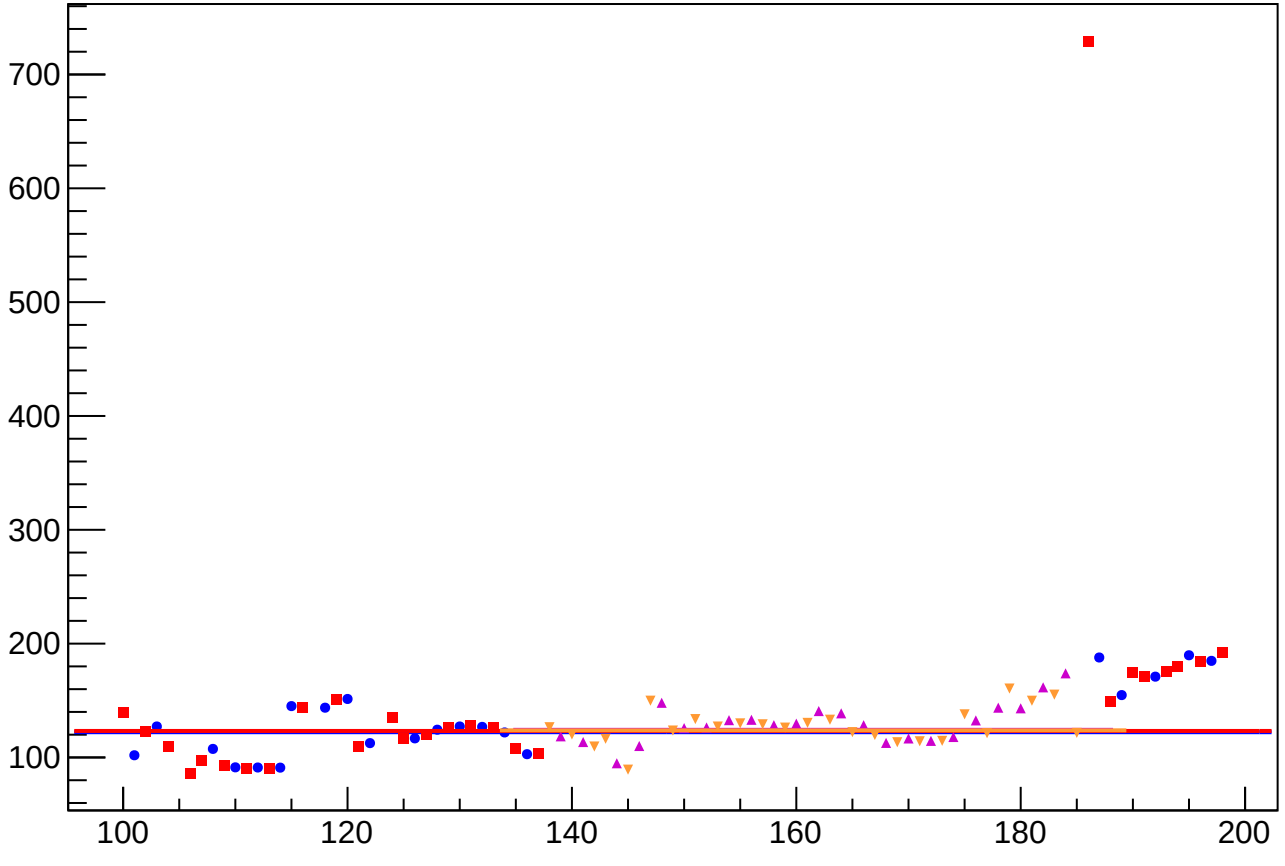
Right: 116.010+/-26.360 χ^2/NDF: 39.8/47

In: 193.702+/-23.340 χ^2/NDF:58.5/43

Out: 218.160+/-22.325 χ^2/NDF:56.8/51

All: 206.474+/-16.133 χ^2/NDF: 115.9/95

eigen_cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 122.188+/-0.027 χ^2/NDF: 1085053.1/20

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 123.280+/-0.026 χ^2/NDF: 2021256.7/26

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

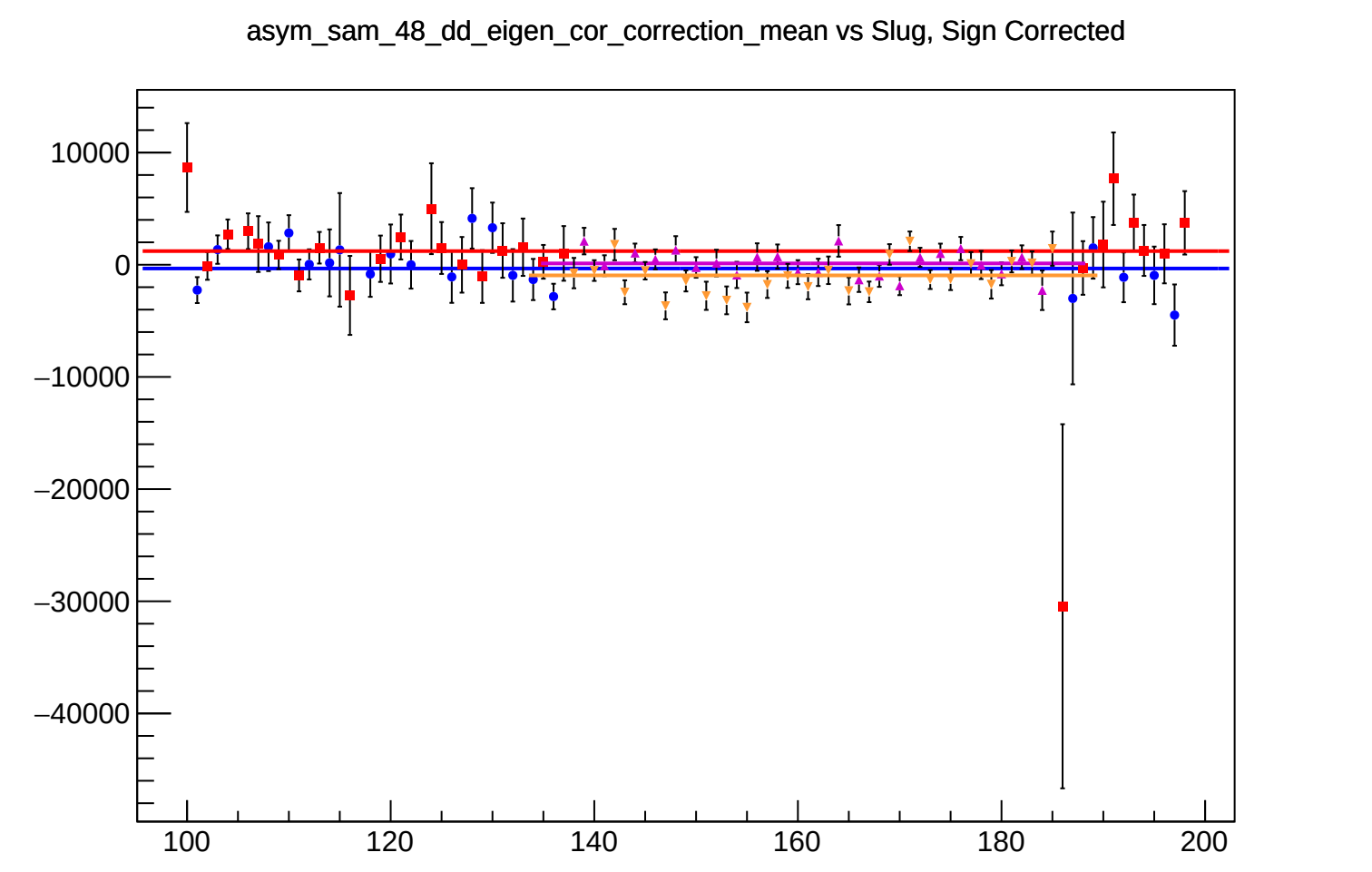
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 122.770+/-0.019 χ^2/NDF: 3107164.2/47

In: 123.501+/-0.017 χ^2/NDF:1645921.7/43

Out: 123.606+/-0.016 χ^2/NDF:2619964.4/51

All: 123.556+/-0.011 χ^2/NDF: 4265907.2/95



Right In: -334.623+/-418.401 χ^2/NDF: 23.6/20

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1216.559+/-392.250 χ^2/NDF: 22.5/26

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

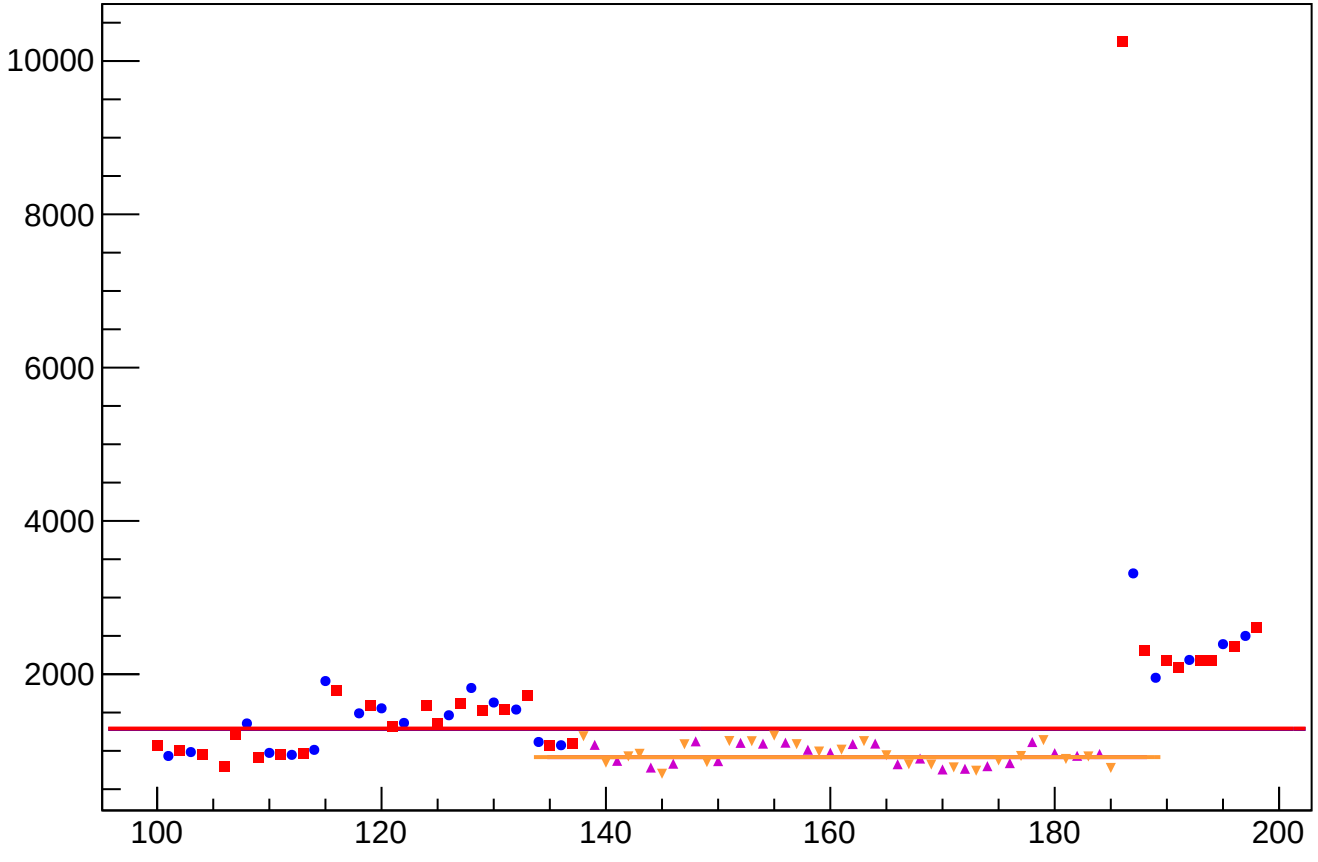
Right: 490.956+/-286.161 χ^2/NDF: 53.4/47

In: 22.285+/-192.749 χ^2/NDF:48.9/43

Out: -459.167+/-186.363 χ^2/NDF:96.4/51

All: -226.549+/-133.979 χ^2/NDF: 148.5/95

asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1285.205+/-0.296 χ^2/NDF: 2200660.3/20

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1290.859+/-0.277 χ^2/NDF: 3617469.8/26

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

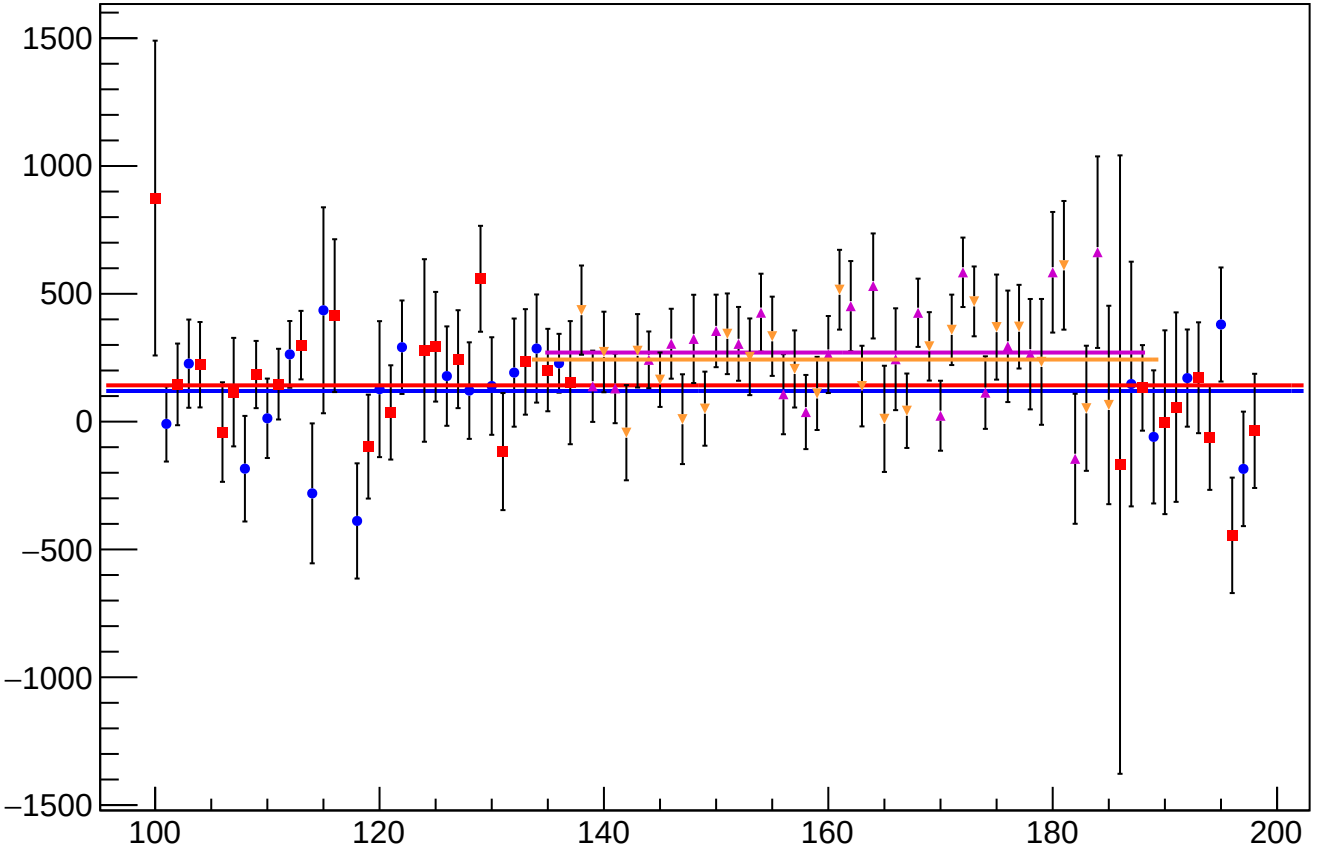
Right: 1288.214+/-0.202 χ^2/NDF: 5818324.5/47

In: 996.099+/-0.136 χ^2/NDF:4079075.1/43

Out: 1002.554+/-0.132 χ^2/NDF:5900746.4/51

All: 999.435+/-0.095 χ^2/NDF: 9980980.8/95

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 119.837+/-41.686 χ^2/NDF: 19.2/20

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: 141.934+/-38.585 χ^2/NDF: 21.9/26

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

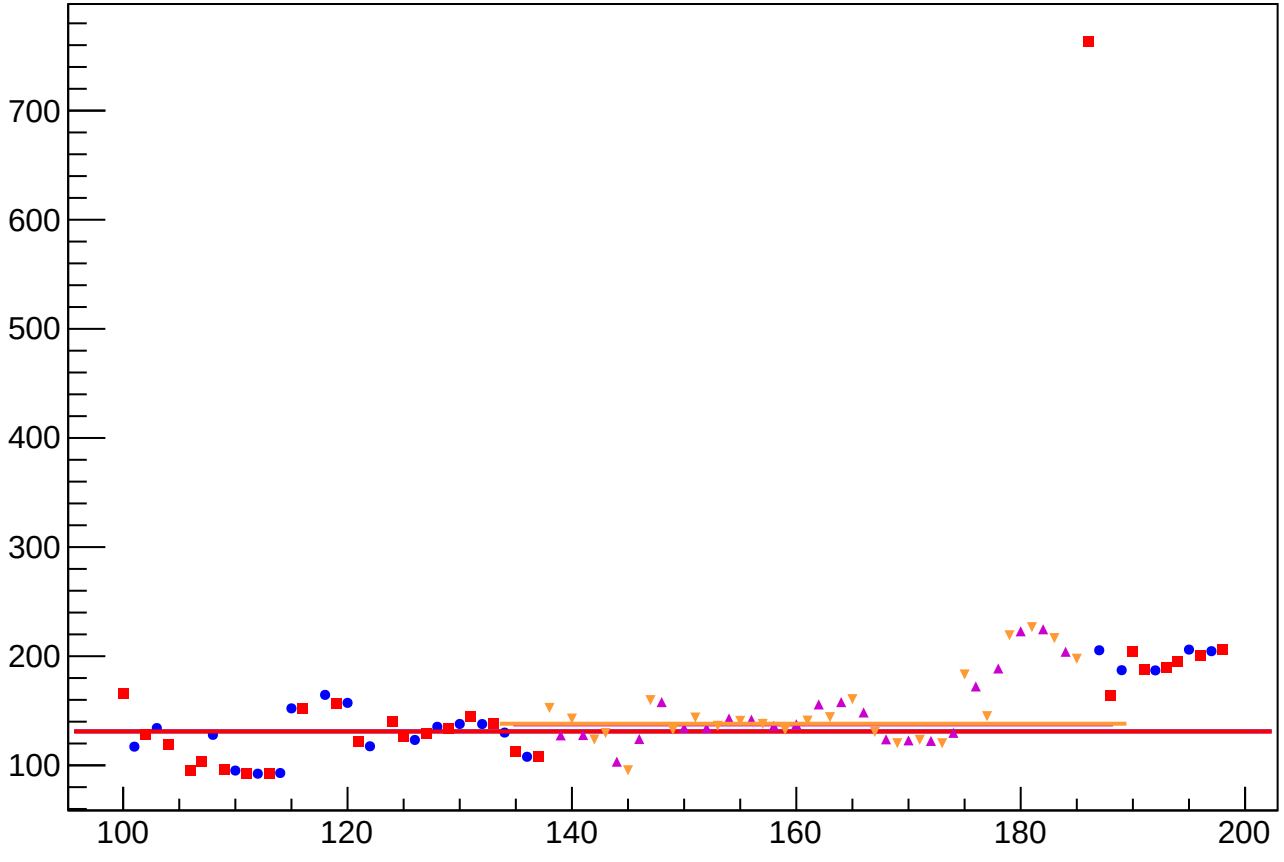
Right: 131.737+/-28.317 χ^2/NDF: 41.2/47

In: 212.530+/-25.822 χ^2/NDF:53.9/43

Out: 201.539+/-24.694 χ^2/NDF:49.6/51

All: 206.789+/-17.847 χ^2/NDF: 103.6/95

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 131.098+/-0.029 χ^2/NDF: 1267021.7/20

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 131.019+/-0.027 χ^2/NDF: 2194505.4/26

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

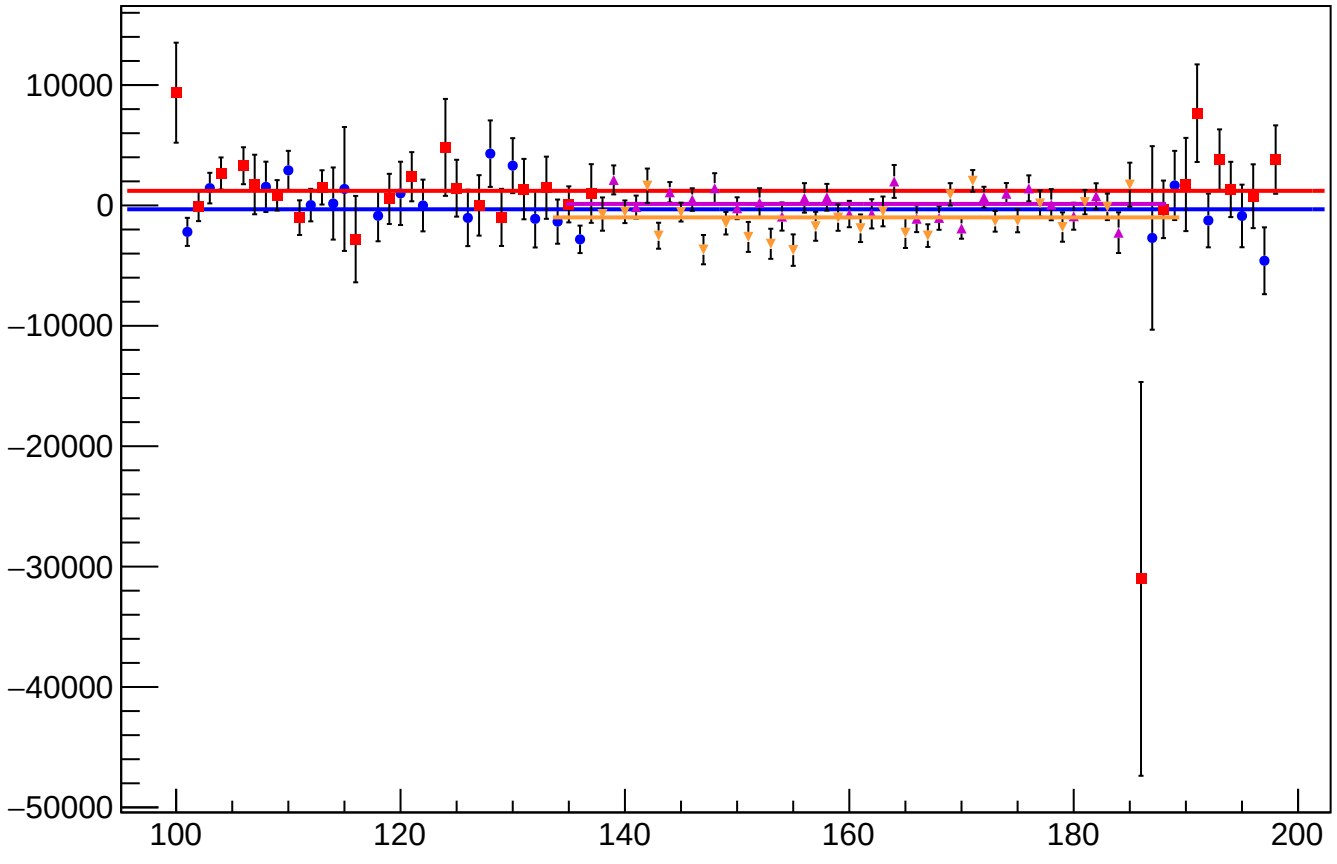
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 131.056+/-0.020 χ^2/NDF: 3461531.0/47

In: 135.038+/-0.018 χ^2/NDF:2405343.4/43

Out: 135.216+/-0.017 χ^2/NDF:3572885.2/51

All: 135.131+/-0.013 χ^2/NDF: 5978278.0/95



Right In: -319.810+/-422.062 χ^2/NDF: 23.6/20

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: 1211.860+/-394.287 χ^2/NDF: 23.5/26

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

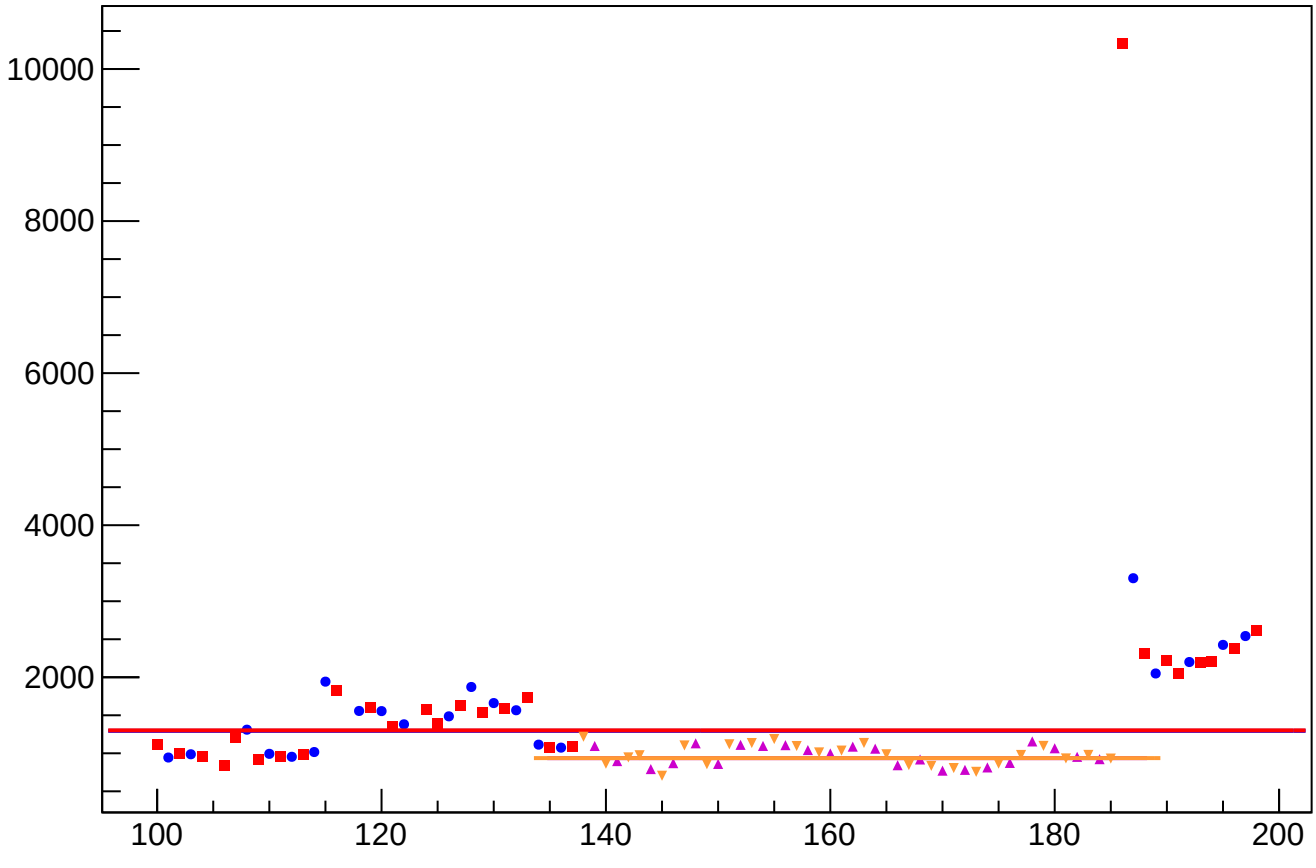
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 498.077+/-288.122 χ^2/NDF: 54.1/47

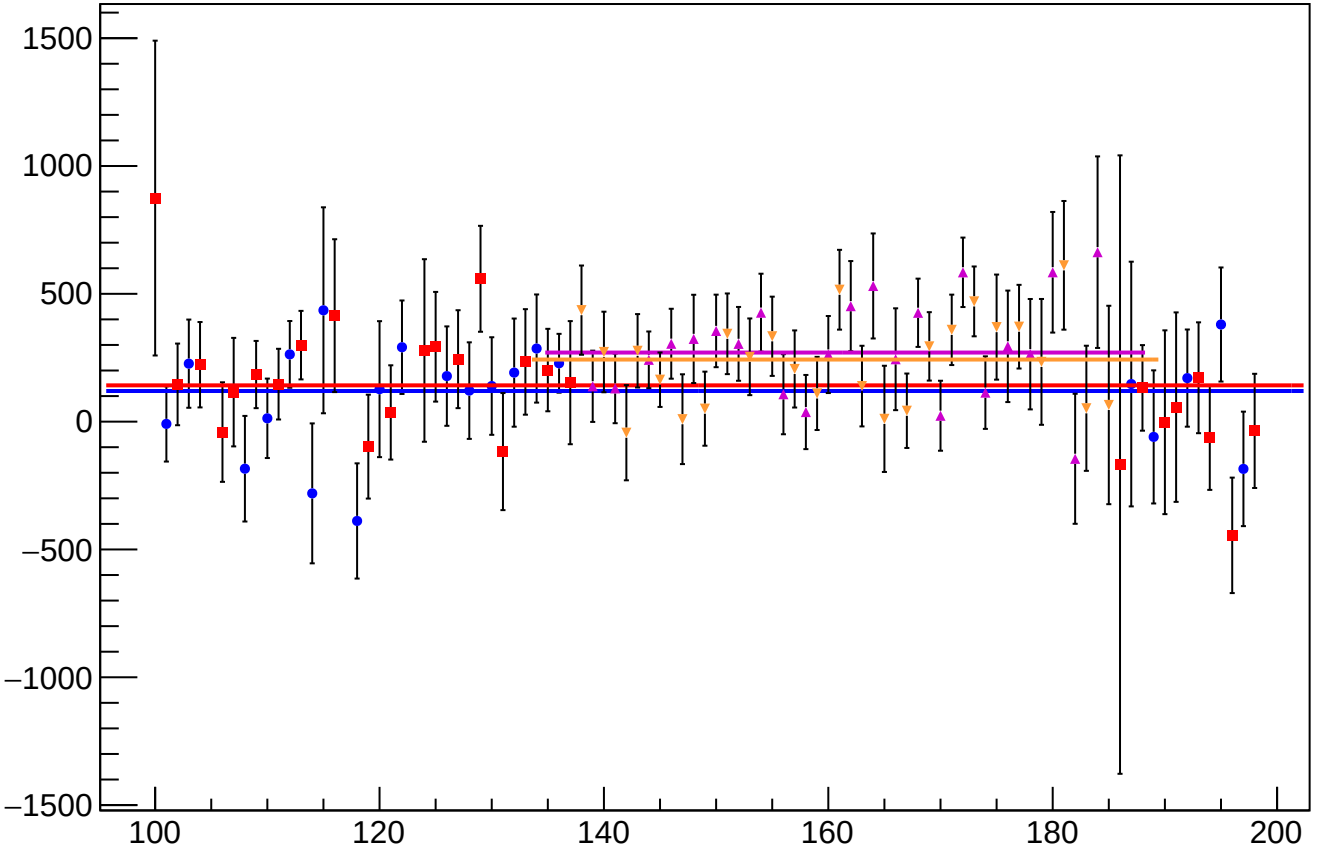
In: 28.924+/-196.039 χ^2/NDF:48.4/43

Out: -485.484+/-189.202 χ^2/NDF:94.5/51

All: -237.407+/-136.139 χ^2/NDF: 146.4/95


asym_sam_48_dd_dit_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 1295.378+/-0.298 χ²/NDF: 2257533.5/20
Left Out: 936.743+/-0.152 χ²/NDF:832449.3/24
Right Out: 1301.492+/-0.279 χ²/NDF: 3613138.5/26
Left In: 936.380+/-0.157 χ²/NDF:642749.3/22
Left: 936.567+/-0.109 χ²/NDF: 1475201.4/47
Right: 1298.642+/-0.204 χ²/NDF: 5870896.1/47
In: 1013.831+/-0.139 χ²/NDF:4035083.4/43
Out: 1020.732+/-0.134 χ²/NDF:5763036.8/51
All: 1017.404+/-0.096 χ²/NDF: 9799403.4/95

eigen_dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 119.838+/-41.686 χ^2/NDF: 19.2/20

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: 141.934+/-38.585 χ^2/NDF: 21.9/26

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

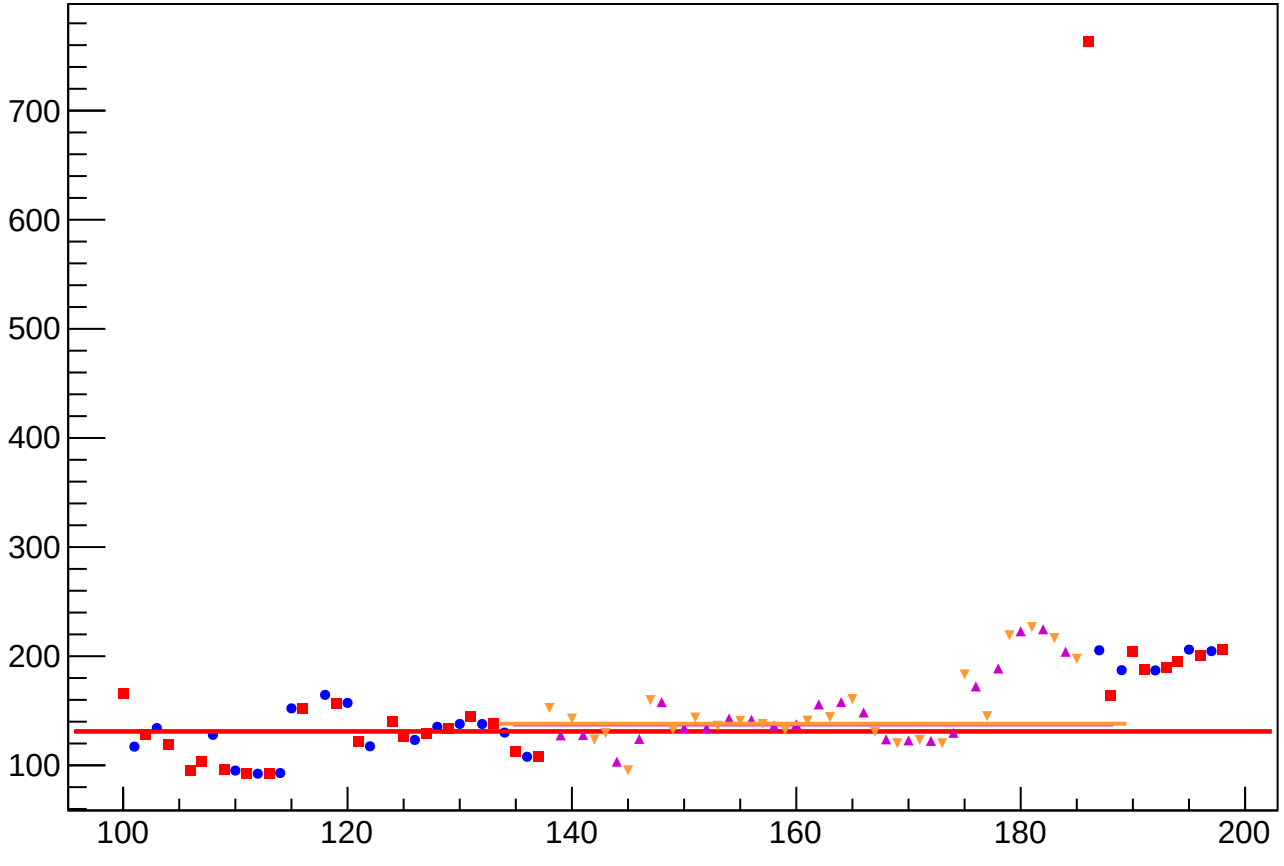
Right: 131.738+/-28.317 χ^2/NDF: 41.2/47

In: 212.531+/-25.822 χ^2/NDF:53.9/43

Out: 201.540+/-24.694 χ^2/NDF:49.6/51

All: 206.790+/-17.847 χ^2/NDF: 103.6/95

eigen_dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 131.098+/-0.029 χ^2/NDF: 1267017.2/20

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 131.019+/-0.027 χ^2/NDF: 2194508.0/26

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

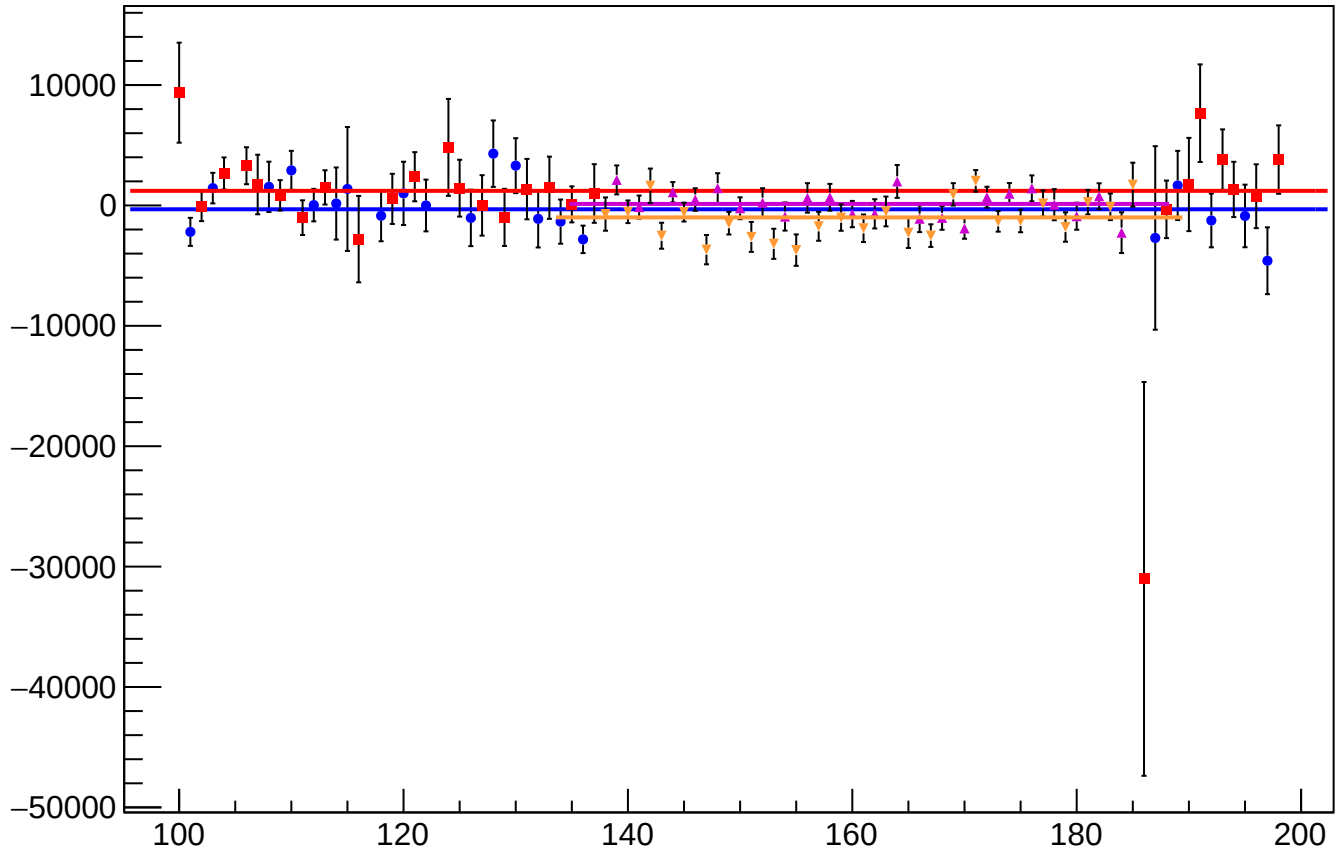
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 131.056+/-0.020 χ^2/NDF: 3461529.1/47

In: 135.038+/-0.018 χ^2/NDF:2405325.1/43

Out: 135.216+/-0.017 χ^2/NDF:3572891.4/51

All: 135.131+/-0.013 χ^2/NDF: 5978265.9/95



Right In: -319.810+/-422.062 χ^2/NDF: 23.6/20

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: 1211.859+/-394.287 χ^2/NDF: 23.5/26

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

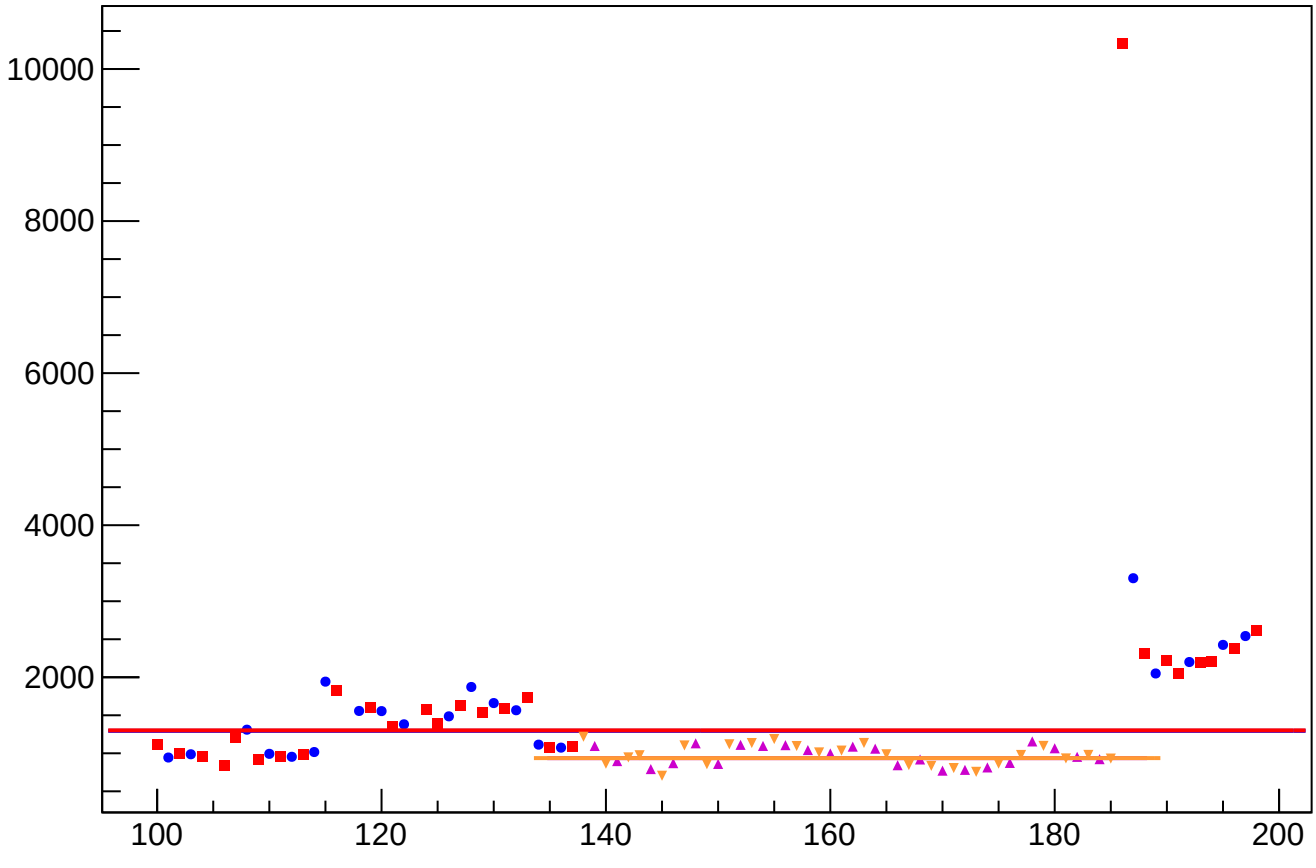
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 498.077+/-288.122 χ^2/NDF: 54.1/47

In: 28.923+/-196.039 χ^2/NDF:48.4/43

Out: -485.483+/-189.201 χ^2/NDF:94.5/51

All: -237.406+/-136.139 χ^2/NDF: 146.4/95



Right In: 1295.377+/-0.298 χ^2/NDF: 2257532.5/20

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1301.491+/-0.279 χ^2/NDF: 3613133.4/26

Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

Left: 936.566+/-0.109 χ^2/NDF: 1475202.7/47

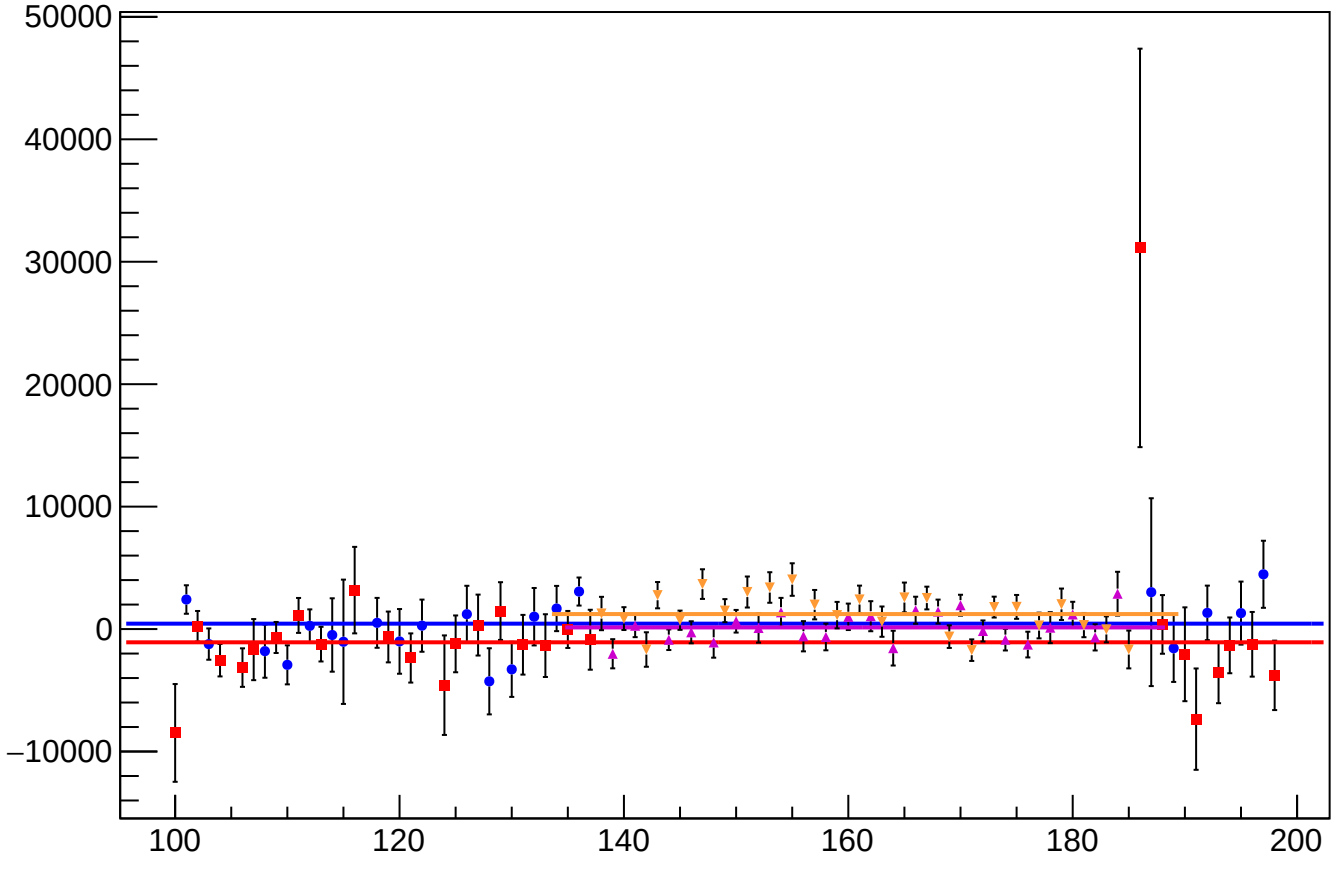
Right: 1298.642+/-0.204 χ^2/NDF: 5870890.1/47

In: 1013.830+/-0.139 χ^2/NDF:4035086.8/43

Out: 1020.731+/-0.134 χ^2/NDF:5763041.4/51

All: 1017.403+/-0.096 χ^2/NDF: 9799411.3/95

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 441.693+/-420.536 χ^2/NDF: 25.3/20

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: -1081.631+/-393.718 χ^2/NDF: 23.2/26

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

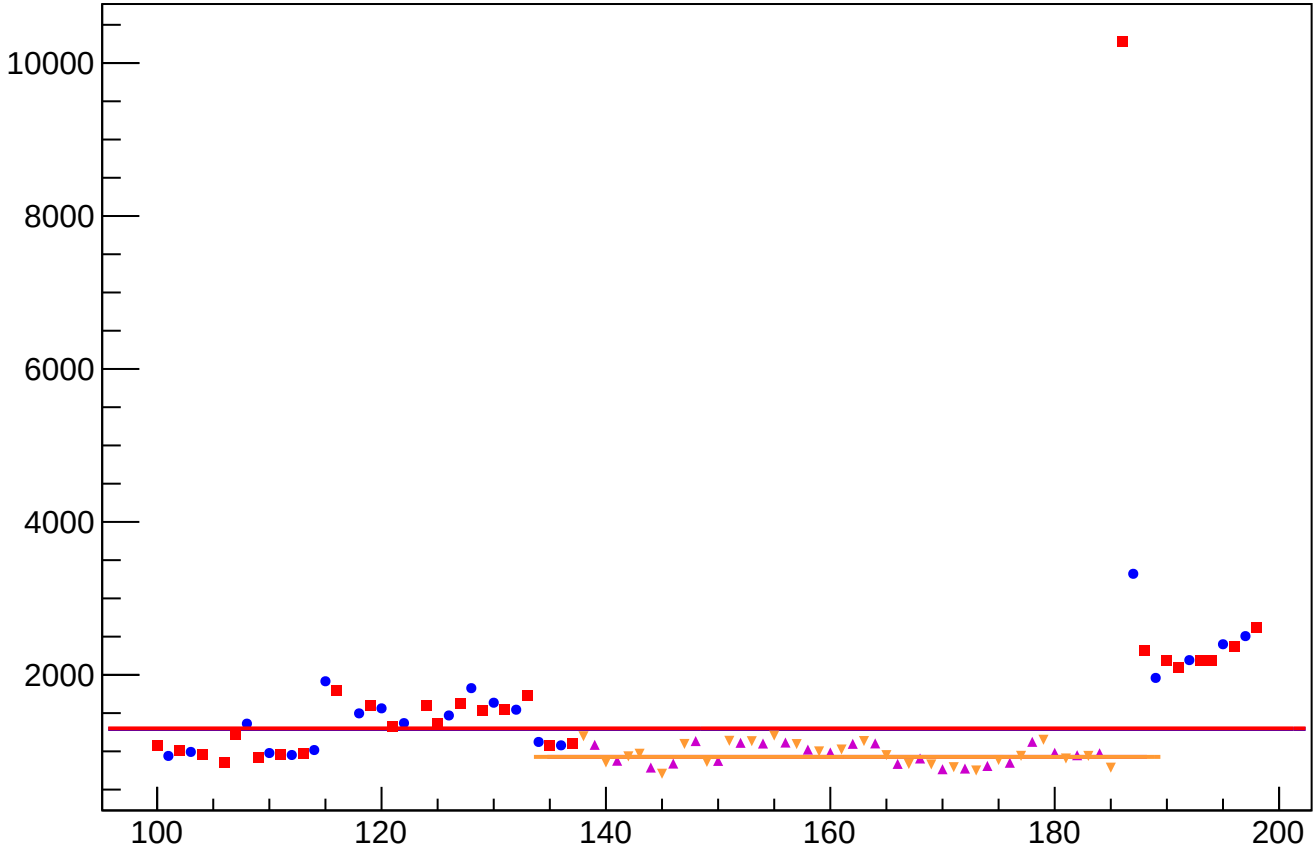
Right: -370.086+/-287.414 χ^2/NDF: 55.5/47

In: 198.857+/-194.434 χ^2/NDF:51.6/43

Out: 699.956+/-187.915 χ^2/NDF:98.2/51

All: 457.948+/-135.122 χ^2/NDF: 153.3/95

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1292.266+/-0.297 χ^2/NDF: 2186095.4/20

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1299.708+/-0.278 χ^2/NDF: 3569246.7/26

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

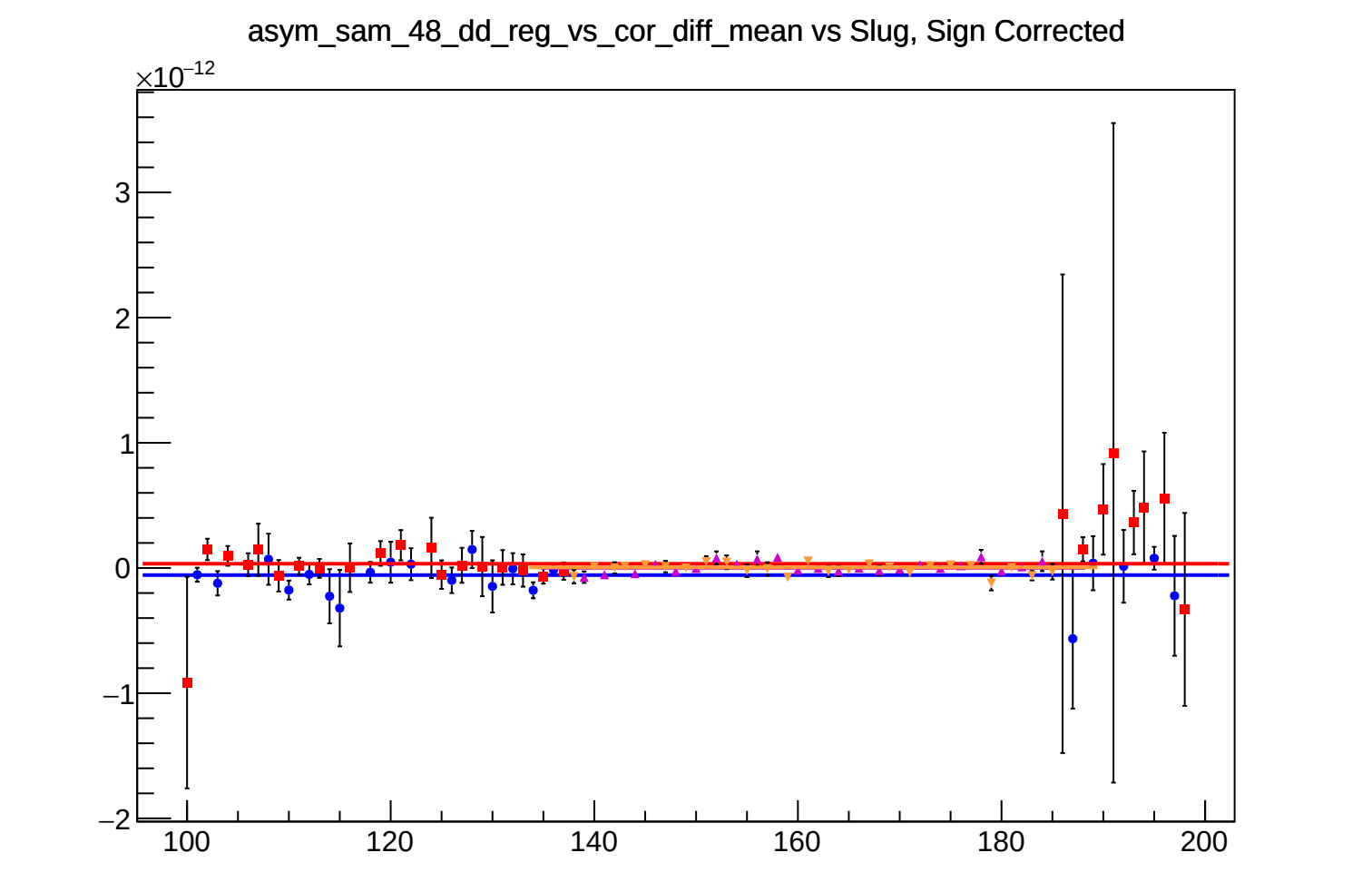
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1296.232+/-0.203 χ^2/NDF: 5755675.9/47

In: 1005.333+/-0.137 χ^2/NDF:4026854.6/43

Out: 1012.373+/-0.133 χ^2/NDF:5823822.1/51

All: 1008.973+/-0.096 χ^2/NDF: 9852032.3/95



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.7/26

Left In: 0.000+/-0.000 χ^2/NDF:27.7/22

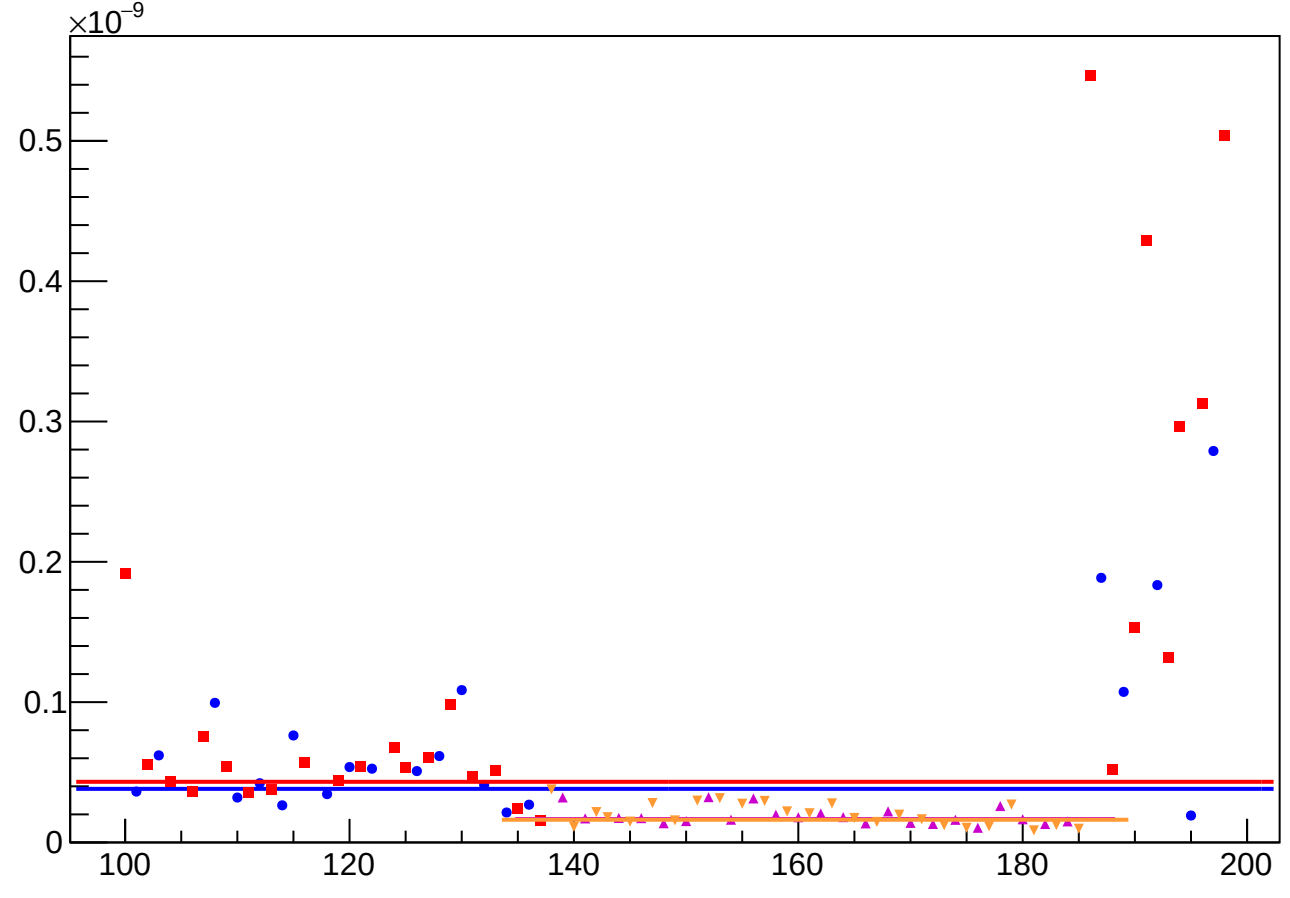
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

Right: -0.000+/-0.000 χ^2/NDF: 43.5/47

In: -0.000+/-0.000 χ^2/NDF:50.5/43

Out: 0.000+/-0.000 χ^2/NDF:45.7/51

All: 0.000+/-0.000 χ^2/NDF: 97.9/95



Right In: 0.000+/-0.000 χ^2/NDF: 2443684.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3457373.6/26

Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

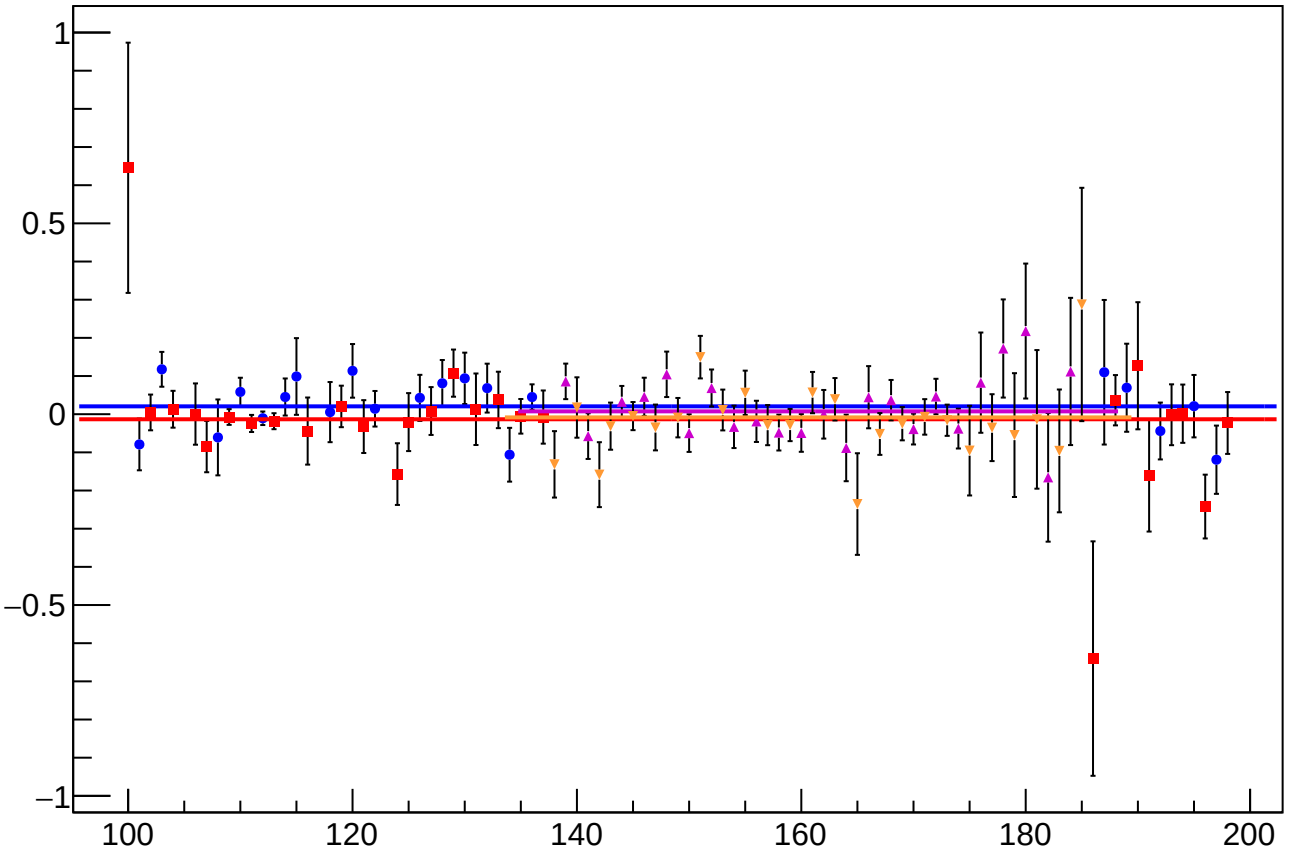
Left: 0.000+/-0.000 χ^2/NDF: 2943547.5/47

Right: 0.000+/-0.000 χ^2/NDF: 5954828.2/47

In: 0.000+/-0.000 χ^2/NDF:5267008.8/43

Out: 0.000+/-0.000 χ^2/NDF:8182800.3/51

All: 0.000+/-0.000 χ^2/NDF: 13454933.6/95



Right In: 0.021+/-0.011 χ^2/NDF: 24.4/20

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.013+/-0.009 χ^2/NDF: 28.3/26

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

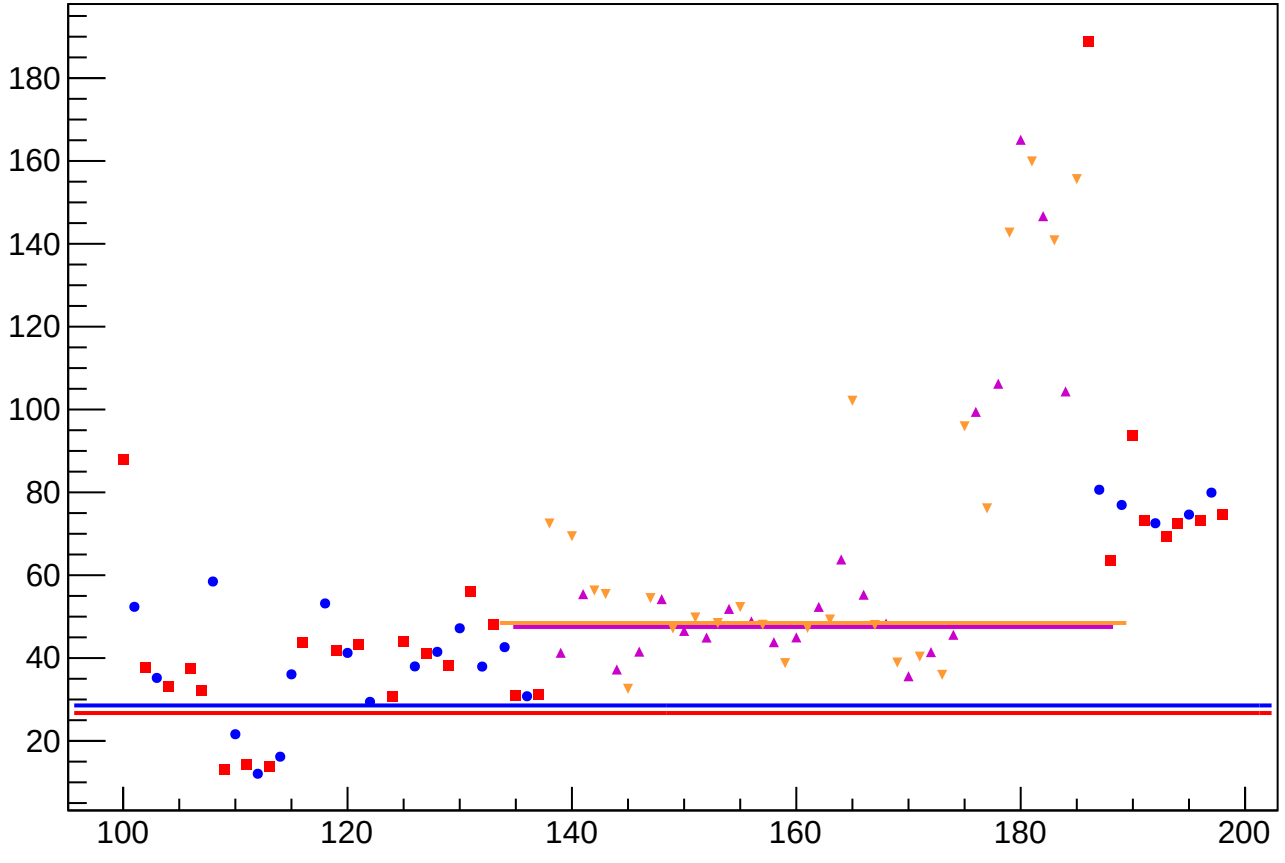
Right: 0.001+/-0.007 χ^2/NDF: 58.4/47

In: 0.015+/-0.008 χ^2/NDF:48.3/43

Out: -0.011+/-0.007 χ^2/NDF:51.6/51

All: 0.001+/-0.005 χ^2/NDF: 105.7/95

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.560+/-0.008 χ^2/NDF: 5590921.6/20

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 26.733+/-0.007 χ^2/NDF: 7817558.5/26

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

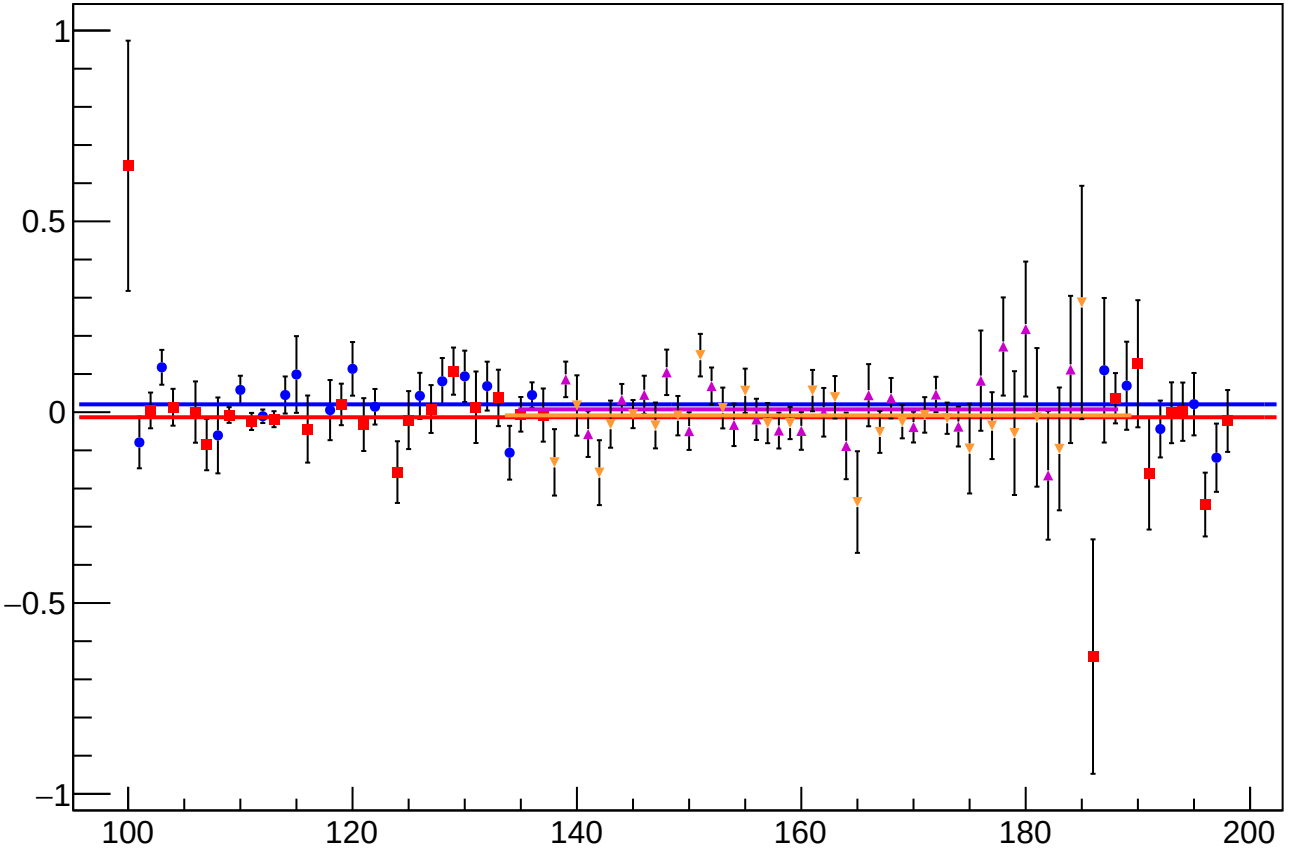
Right: 27.526+/-0.005 χ^2/NDF: 13441412.7/47

In: 36.934+/-0.006 χ^2/NDF:11432811.2/43

Out: 34.976+/-0.005 χ^2/NDF:16261090.6/51

All: 35.878+/-0.004 χ^2/NDF: 27758543.2/95

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.011 χ^2/NDF: 24.4/20

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.013+/-0.009 χ^2/NDF: 28.3/26

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

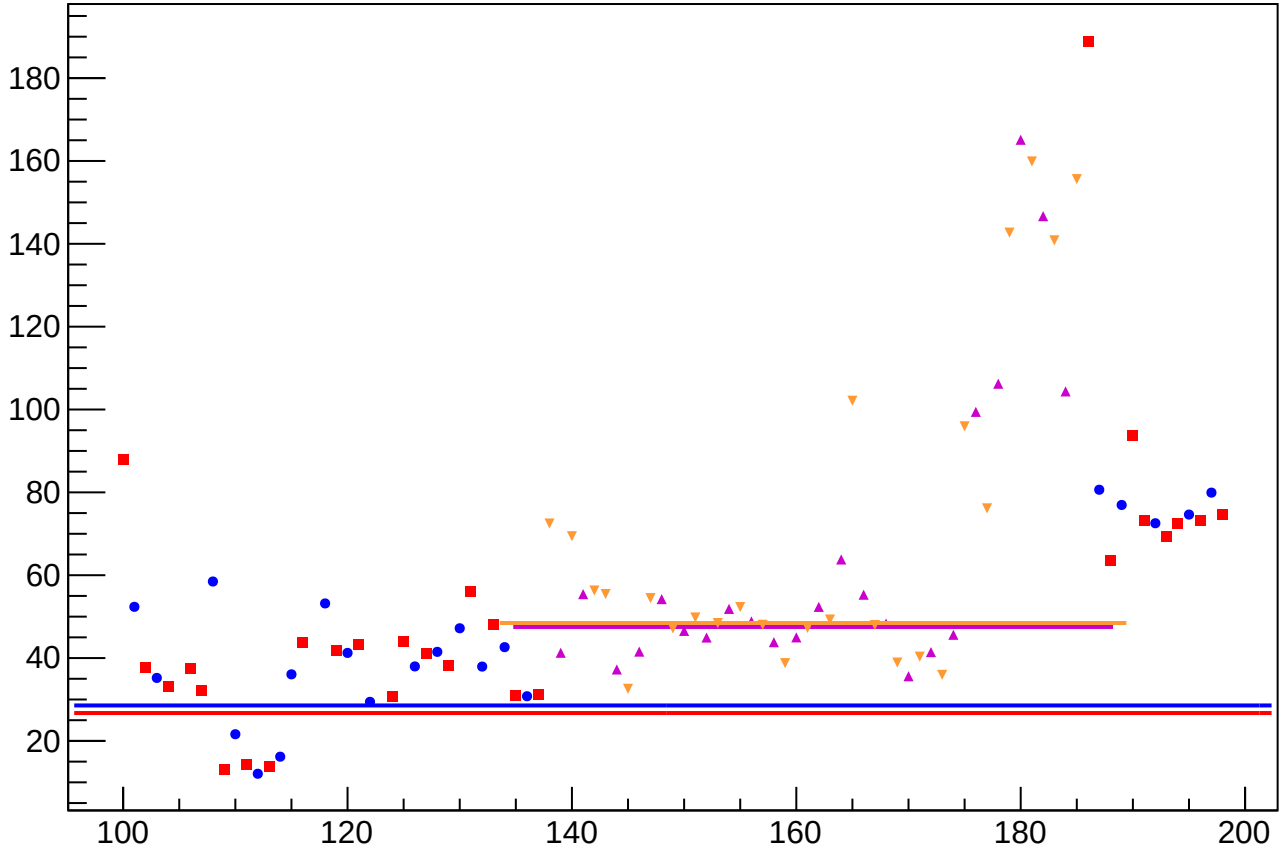
Right: 0.001+/-0.007 χ^2/NDF: 58.4/47

In: 0.015+/-0.008 χ^2/NDF:48.3/43

Out: -0.011+/-0.007 χ^2/NDF:51.6/51

All: 0.001+/-0.005 χ^2/NDF: 105.7/95

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.560+/-0.008 χ^2/NDF: 5590921.6/20

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 26.733+/-0.007 χ^2/NDF: 7817558.5/26

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

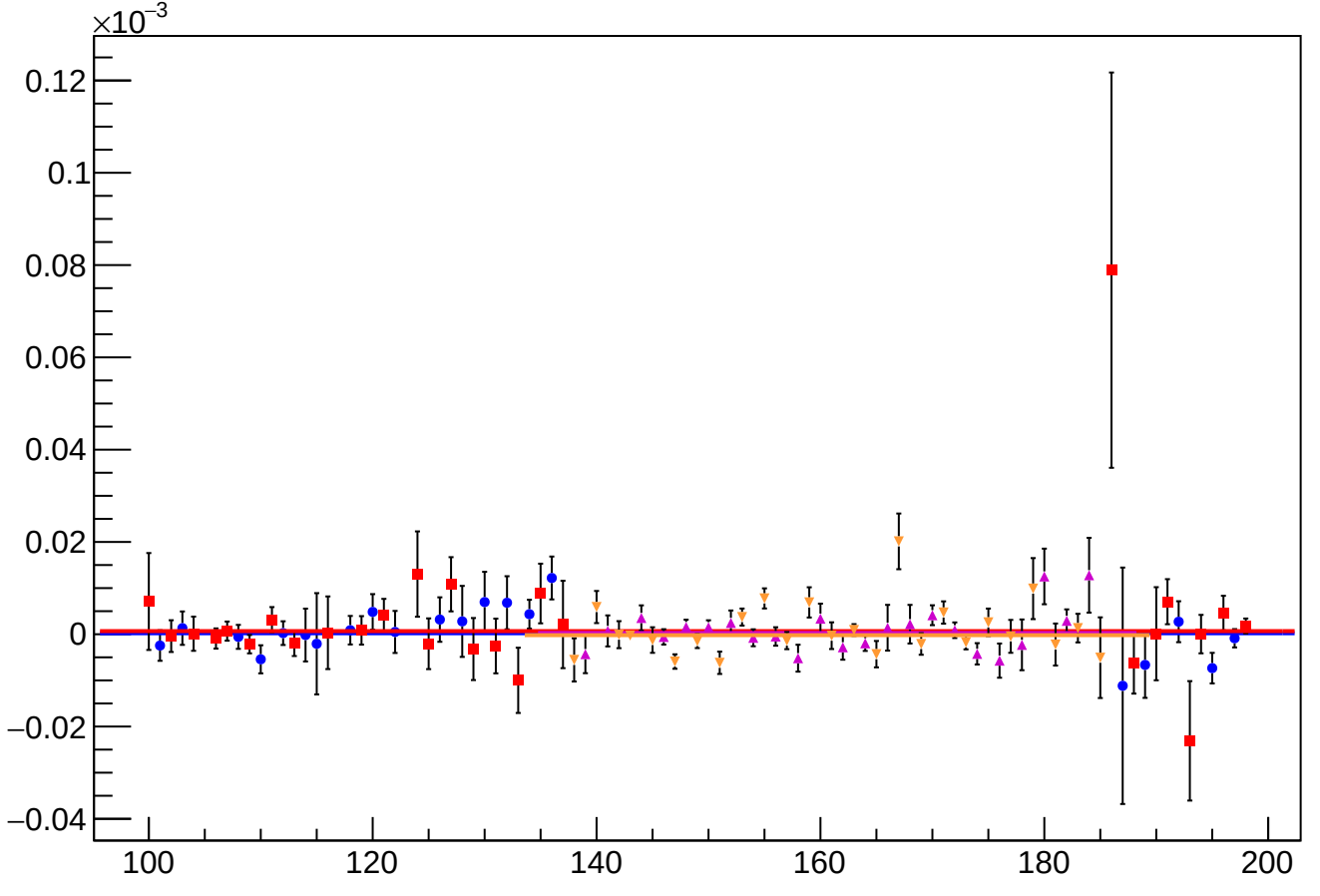
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 27.526+/-0.005 χ^2/NDF: 13441412.7/47

In: 36.934+/-0.006 χ^2/NDF:11432811.2/43

Out: 34.976+/-0.005 χ^2/NDF:16261090.6/51

All: 35.878+/-0.004 χ^2/NDF: 27758543.2/95



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.5/26

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

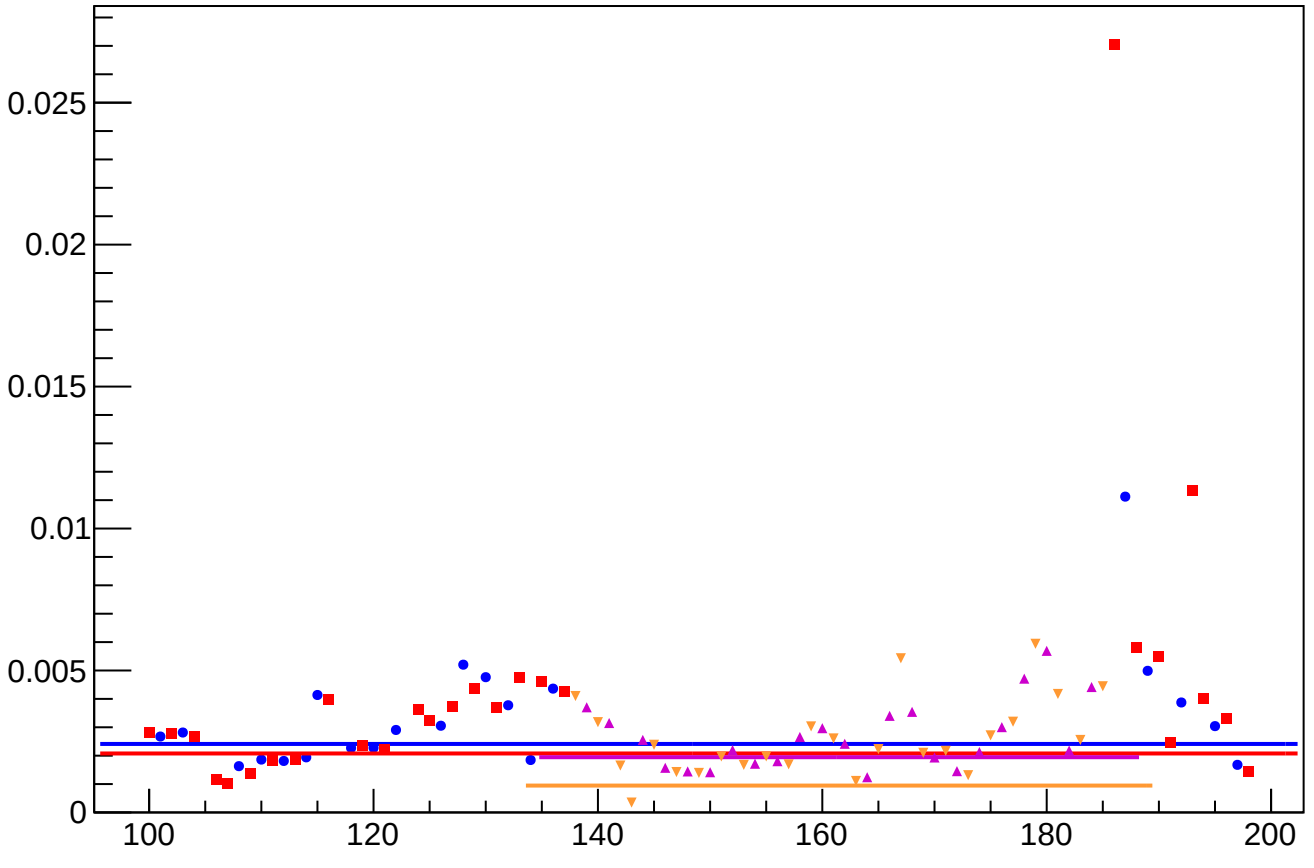
Left: -0.000+/-0.000 χ^2/NDF: 103.2/47

Right: 0.000+/-0.000 χ^2/NDF: 50.7/47

In: 0.000+/-0.000 χ^2/NDF:54.9/43

Out: -0.000+/-0.000 χ^2/NDF:99.5/51

All: 0.000+/-0.000 χ^2/NDF: 154.9/95



Right In: 0.002+/-0.000 χ^2/NDF: 2626261.0/20

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6341598.0/26

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

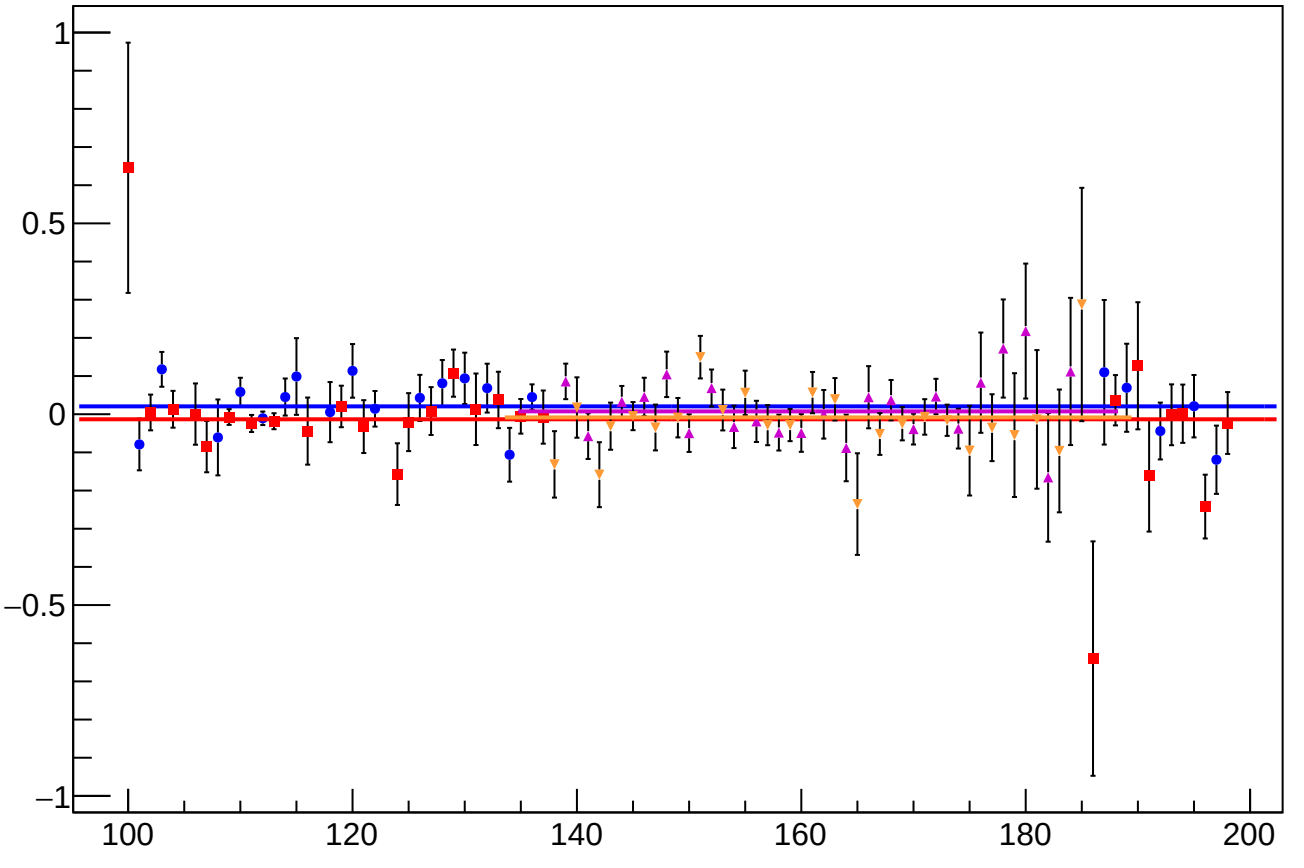
Left: 0.001+/-0.000 χ^2/NDF: 27882769.2/47

Right: 0.002+/-0.000 χ^2/NDF: 9166205.0/47

In: 0.002+/-0.000 χ^2/NDF:7469582.6/43

Out: 0.001+/-0.000 χ^2/NDF:28469313.8/51

All: 0.001+/-0.000 χ^2/NDF: 42915401.1/95



Right In: 0.021+/-0.011 χ^2/NDF: 24.4/20

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.013+/-0.009 χ^2/NDF: 28.3/26

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

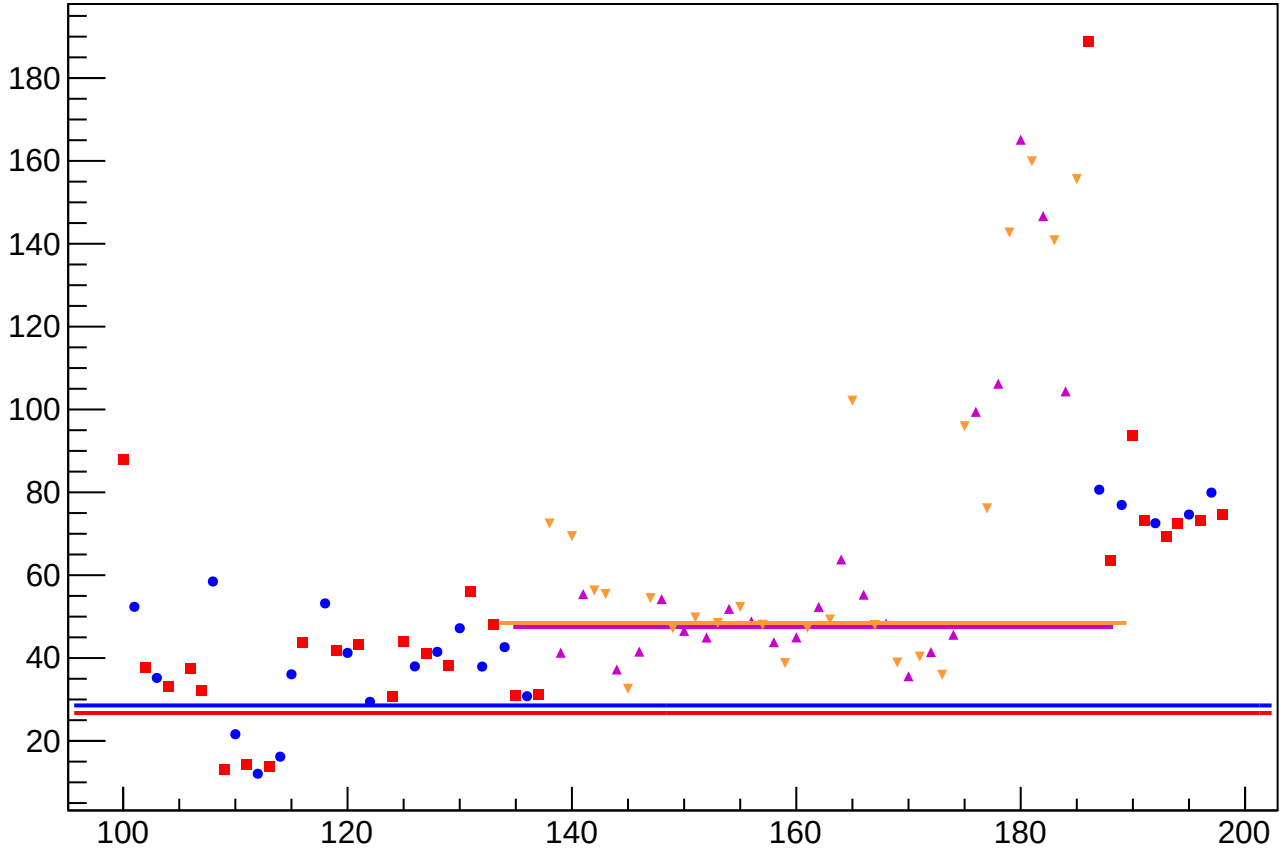
Right: 0.001+/-0.007 χ^2/NDF: 58.4/47

In: 0.015+/-0.008 χ^2/NDF:48.3/43

Out: -0.011+/-0.007 χ^2/NDF:51.6/51

All: 0.001+/-0.005 χ^2/NDF: 105.7/95

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.558+/-0.008 χ^2/NDF: 5591475.1/20

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 26.732+/-0.007 χ^2/NDF: 7817755.3/26

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

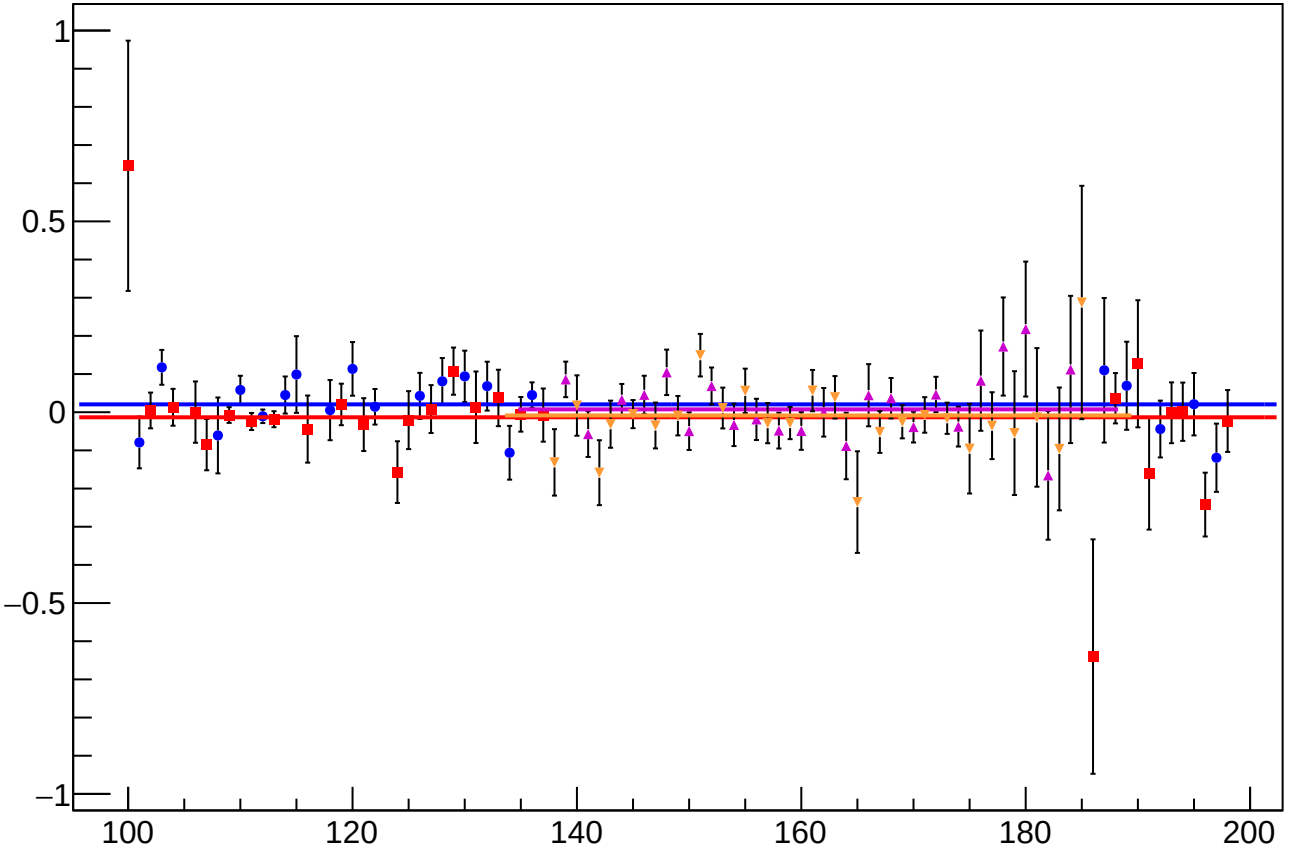
Right: 27.526+/-0.005 χ^2/NDF: 13442125.8/47

In: 36.933+/-0.006 χ^2/NDF:11433865.8/43

Out: 34.975+/-0.005 χ^2/NDF:16261478.0/51

All: 35.877+/-0.004 χ^2/NDF: 27759937.1/95

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.011 χ^2/NDF: 24.4/20

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.013+/-0.009 χ^2/NDF: 28.3/26

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

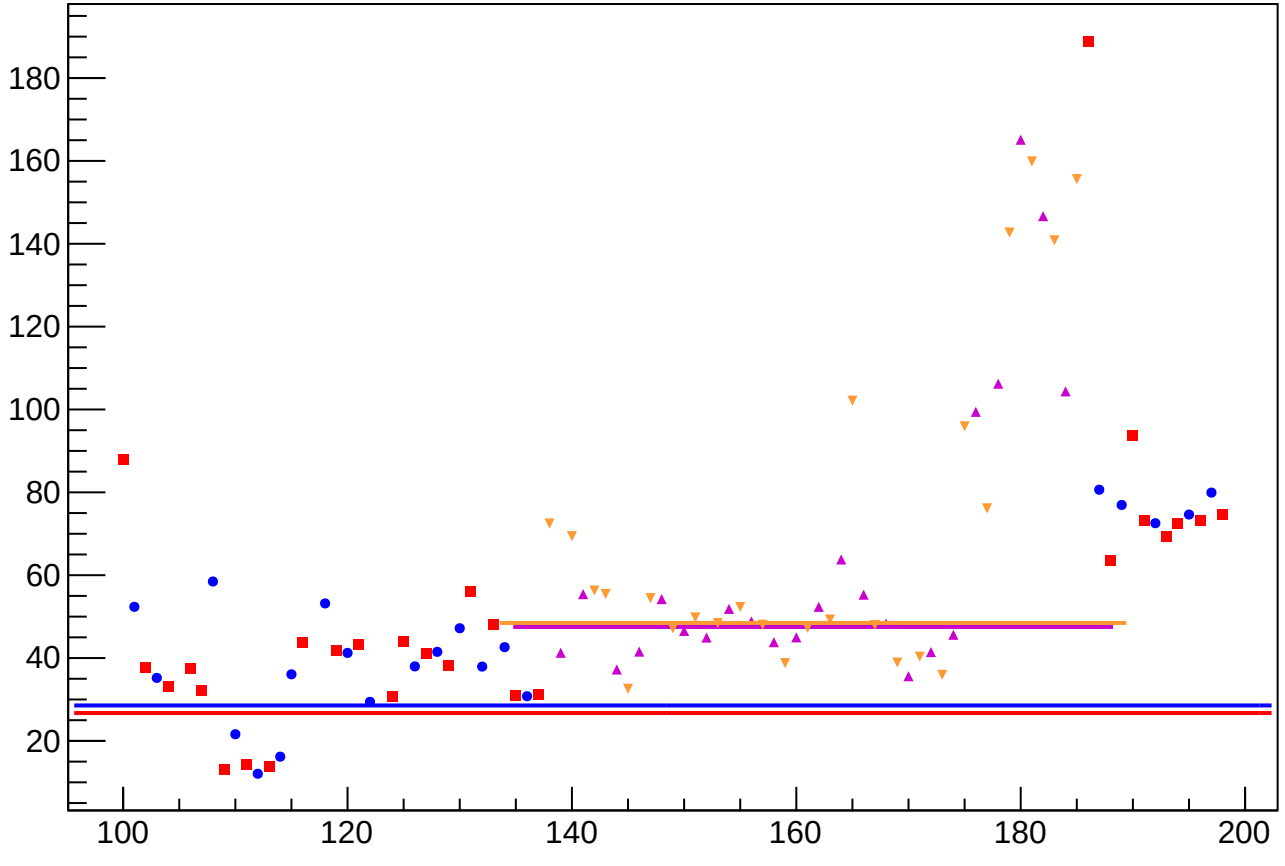
Right: 0.001+/-0.007 χ^2/NDF: 58.4/47

In: 0.015+/-0.008 χ^2/NDF:48.3/43

Out: -0.011+/-0.007 χ^2/NDF:51.6/51

All: 0.001+/-0.005 χ^2/NDF: 105.7/95

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.558+/-0.008 χ^2/NDF: 5591475.1/20

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 26.732+/-0.007 χ^2/NDF: 7817755.3/26

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

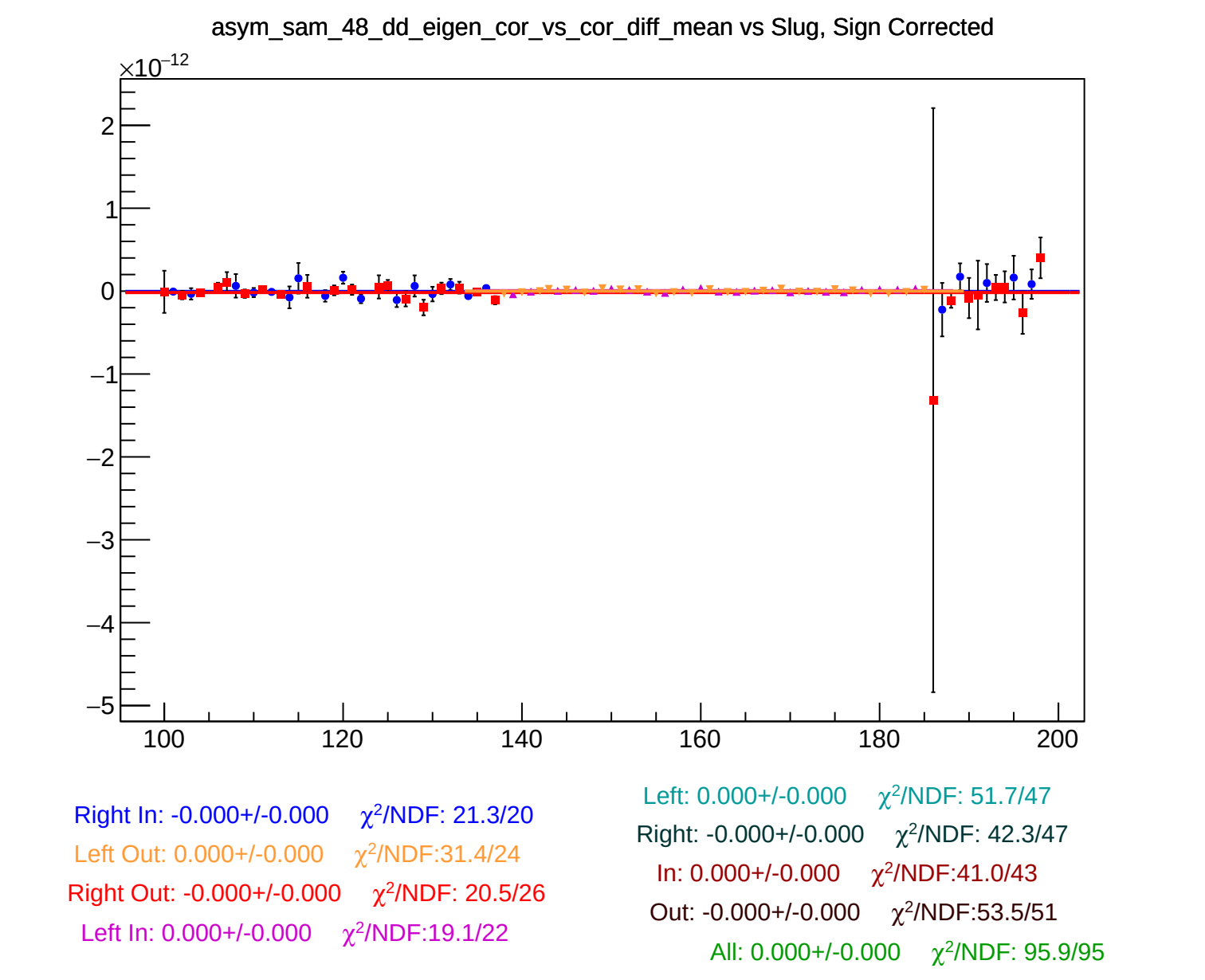
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

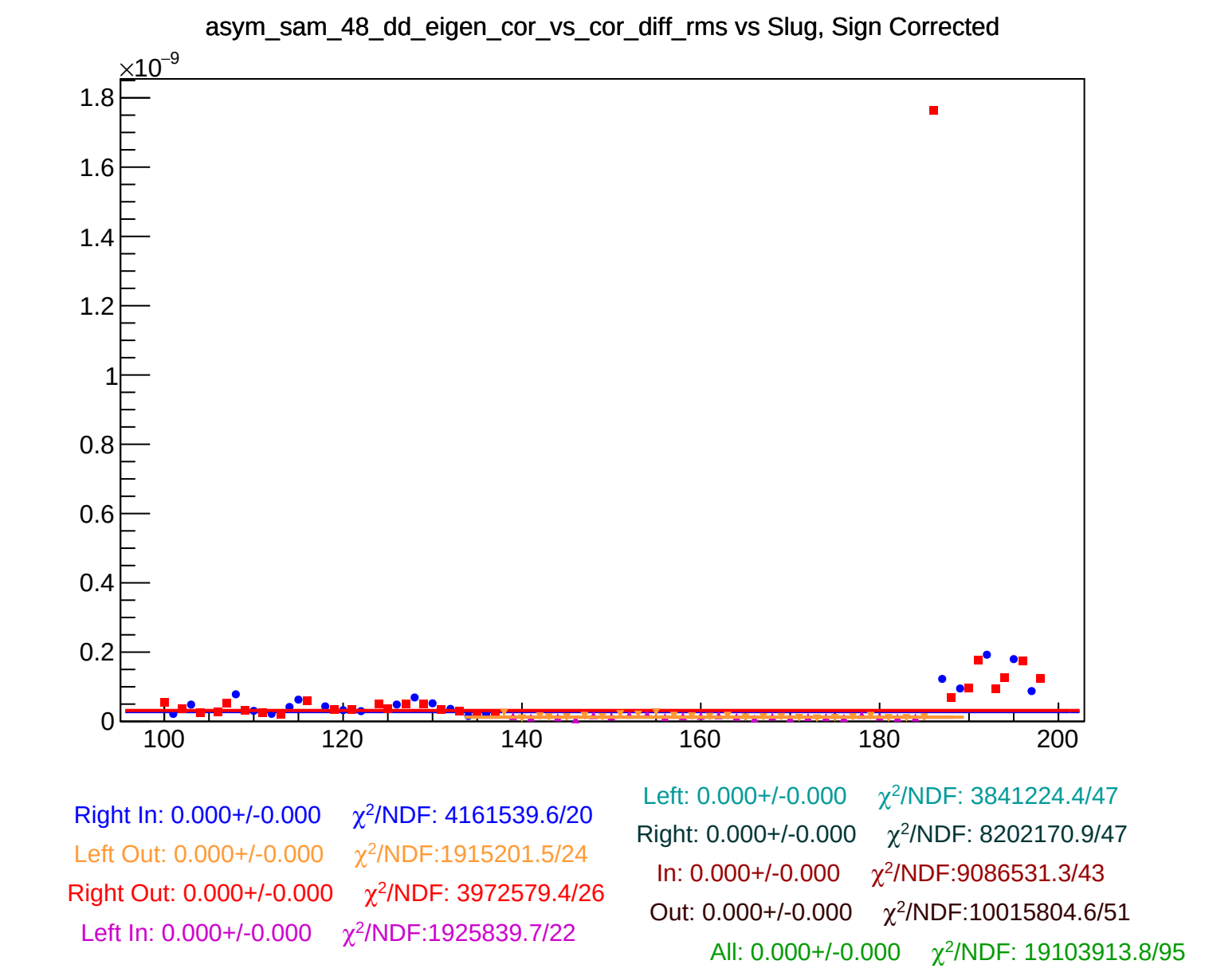
Right: 27.526+/-0.005 χ^2/NDF: 13442125.8/47

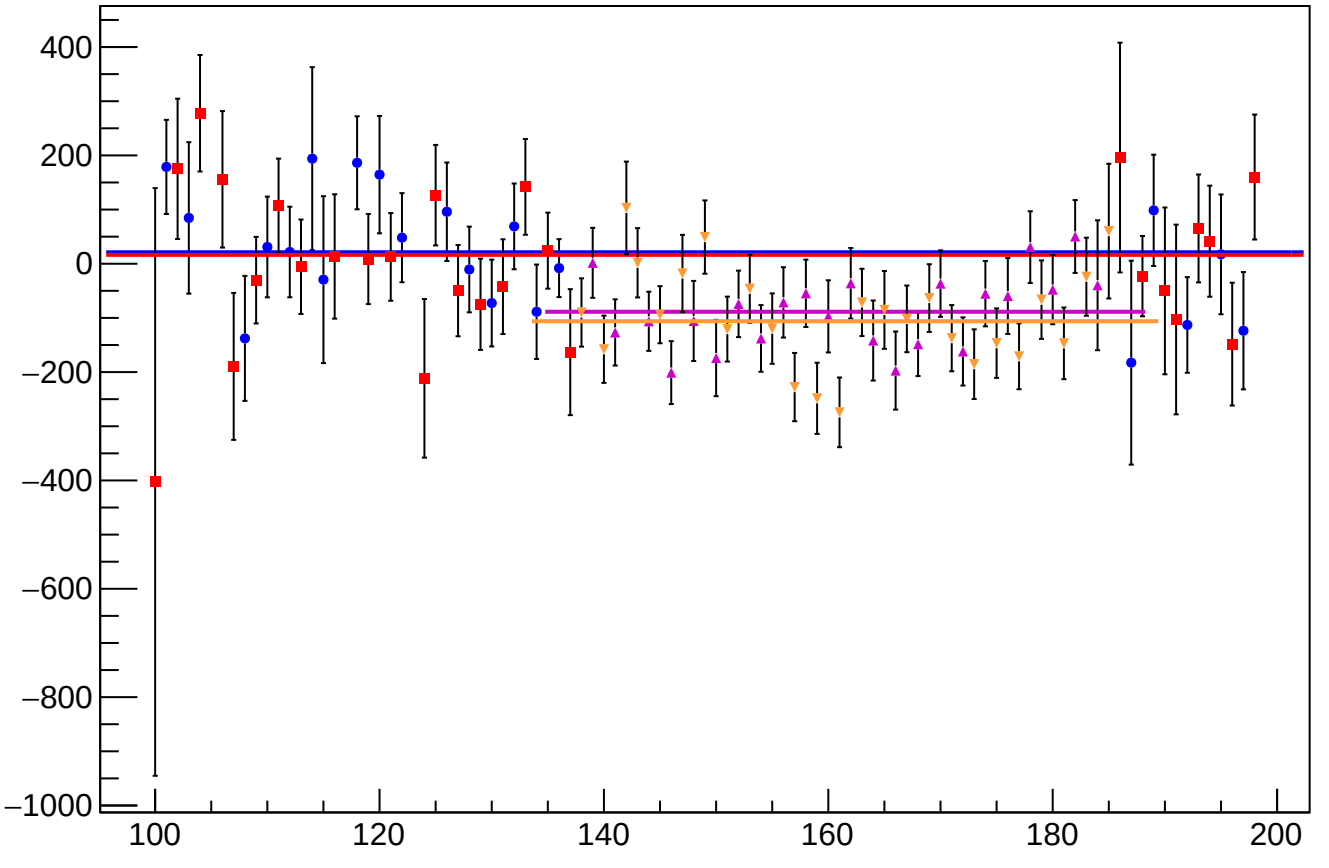
In: 36.933+/-0.006 χ^2/NDF:11433865.8/43

Out: 34.975+/-0.005 χ^2/NDF:16261478.0/51

All: 35.877+/-0.004 χ^2/NDF: 27759937.1/95


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: 21.3/20
Left Out: 0.000+/-0.000 χ²/NDF:31.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.5/26
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: 42.3/47
In: 0.000+/-0.000 χ²/NDF:41.0/43
Out: -0.000+/-0.000 χ²/NDF:53.5/51
All: 0.000+/-0.000 χ²/NDF: 95.9/95


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4161539.6/20
Left Out: 0.000+/-0.000 χ²/NDF:1915201.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3972579.4/26
Left In: 0.000+/-0.000 χ²/NDF:1925839.7/22
Left: 0.000+/-0.000 χ²/NDF: 3841224.4/47
Right: 0.000+/-0.000 χ²/NDF: 8202170.9/47
In: 0.000+/-0.000 χ²/NDF:9086531.3/43
Out: 0.000+/-0.000 χ²/NDF:10015804.6/51
All: 0.000+/-0.000 χ²/NDF: 19103913.8/95



Right In: 21.156+/-20.164 χ^2/NDF: 22.4/20

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: 16.446+/-19.358 χ^2/NDF: 29.1/26

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

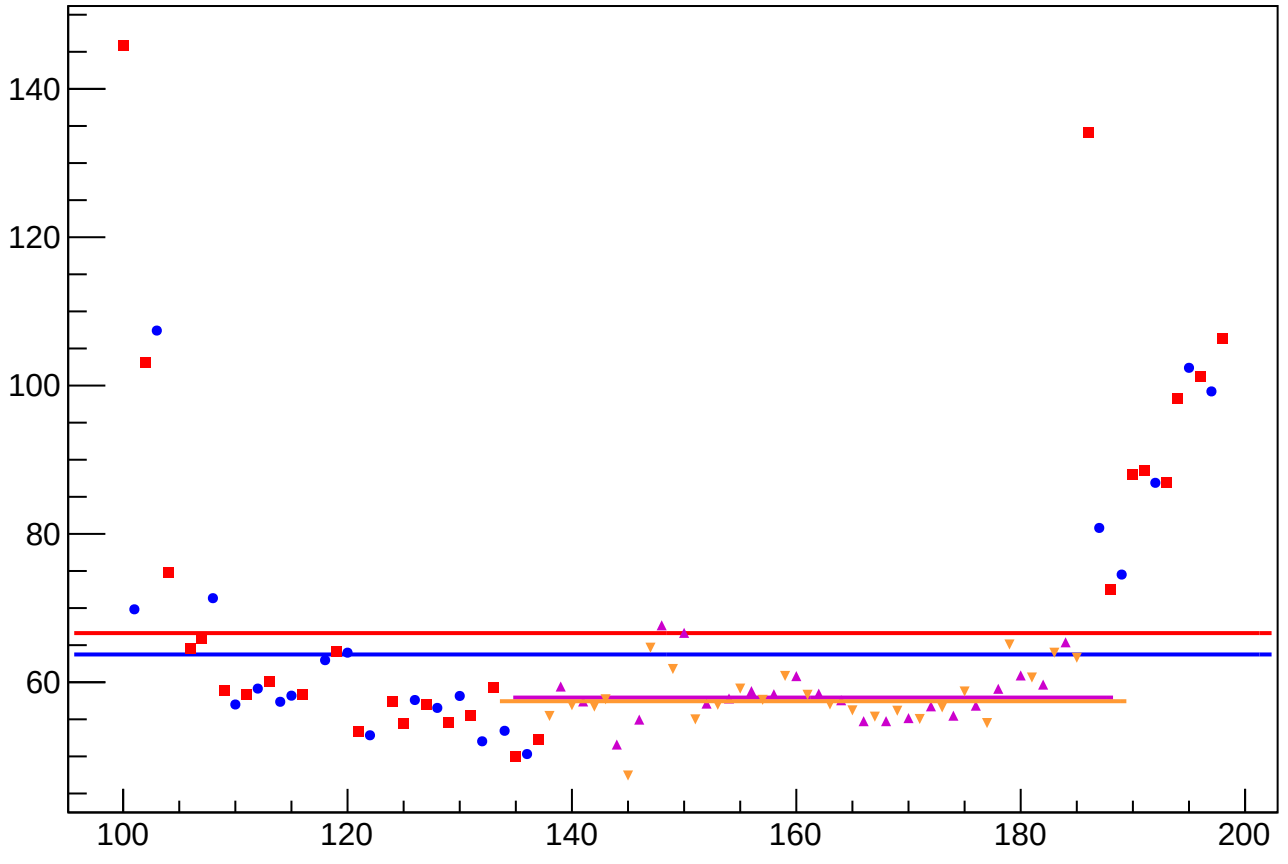
Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

Right: 18.705+/-13.964 χ^2/NDF: 51.6/47

In: -54.412+/-11.256 χ^2/NDF:66.7/43

Out: -67.651+/-10.843 χ^2/NDF:97.3/51

All: -61.279+/-7.809 χ^2/NDF: 164.8/95



Right In: 63.744+/-0.014 χ^2/NDF: 1139004.6/20

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 66.625+/-0.014 χ^2/NDF: 1609106.4/26

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

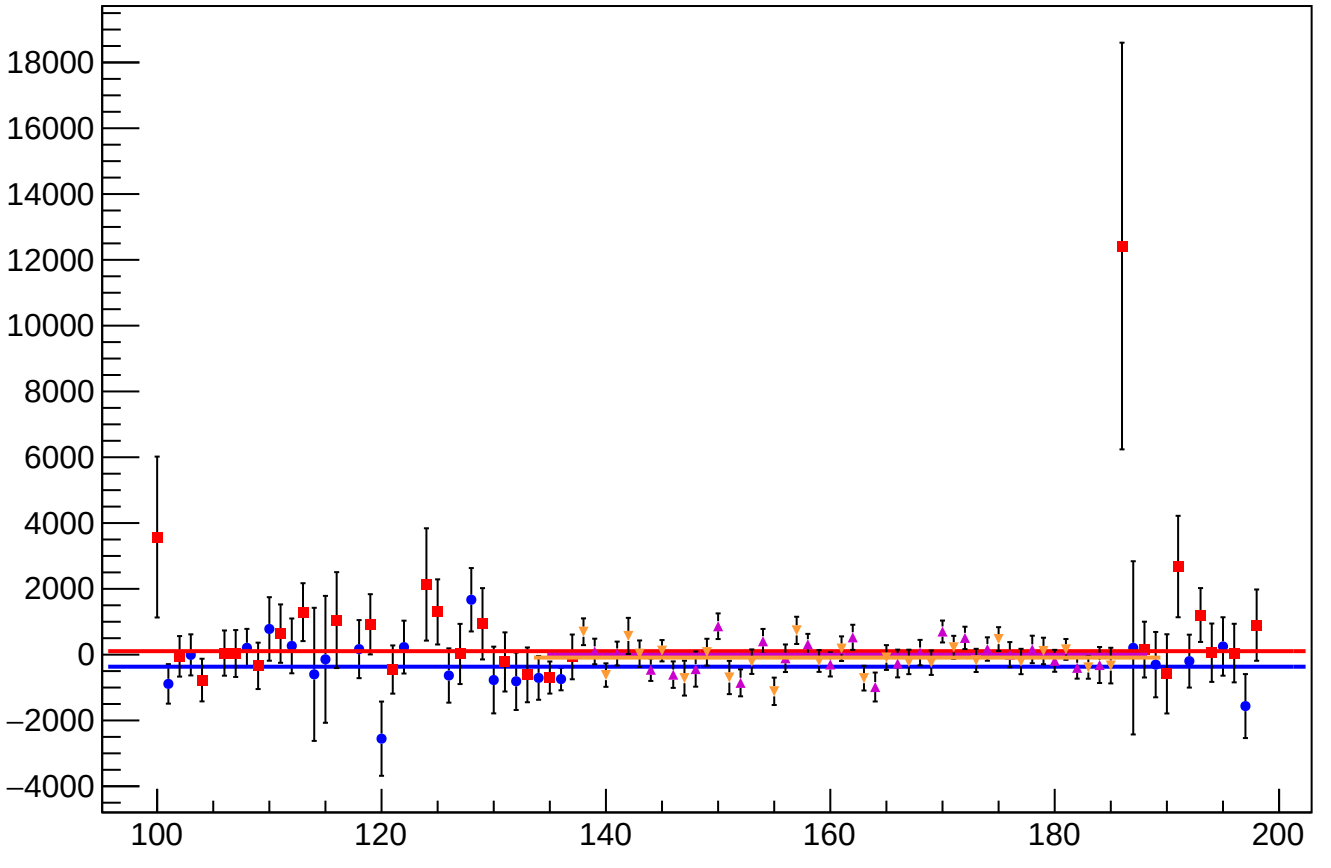
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 65.243+/-0.010 χ^2/NDF: 2769349.7/47

In: 59.744+/-0.008 χ^2/NDF:1389280.0/43

Out: 60.322+/-0.008 χ^2/NDF:2092631.4/51

All: 60.044+/-0.006 χ^2/NDF: 3484649.2/95



Right In: -366.529+/-167.388 χ^2/NDF: 17.3/20

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: 105.873+/-163.875 χ^2/NDF: 24.8/26

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

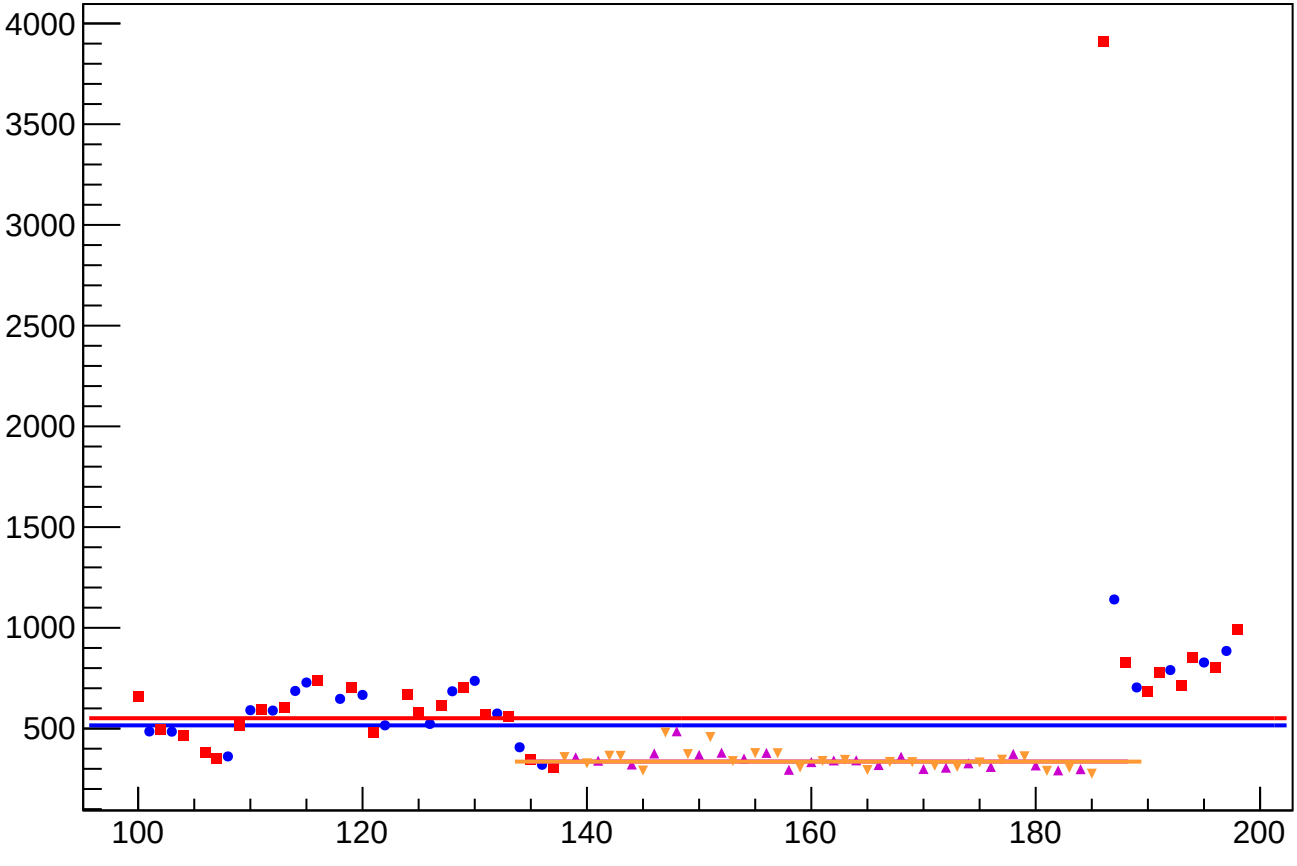
Right: -125.320+/-117.099 χ^2/NDF: 46.2/47

In: -69.526+/-71.586 χ^2/NDF:54.8/43

Out: -53.797+/-69.699 χ^2/NDF:55.9/51

All: -61.451+/-49.938 χ^2/NDF: 110.7/95

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 515.746+/-0.118 χ^2/NDF: 2129282.1/20

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 551.284+/-0.116 χ^2/NDF: 2804614.2/26

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

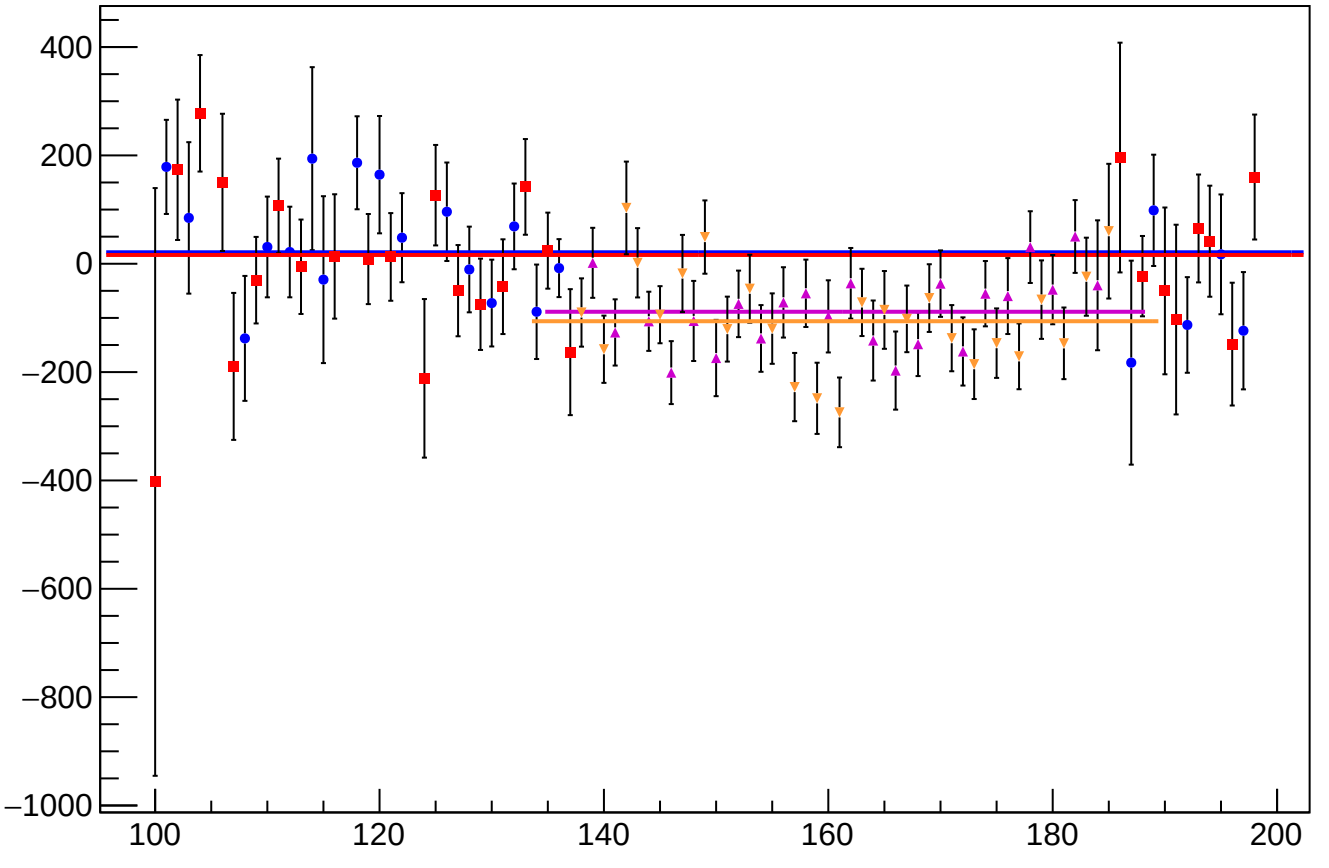
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 533.892+/-0.083 χ^2/NDF: 4979926.7/47

In: 369.155+/-0.051 χ^2/NDF:4420731.6/43

Out: 374.857+/-0.049 χ^2/NDF:6168499.4/51

All: 372.082+/-0.035 χ^2/NDF: 10595743.2/95



Right In: 21.154+/-20.164 χ^2/NDF: 22.4/20

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 16.233+/-19.361 χ^2/NDF: 29.0/26

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

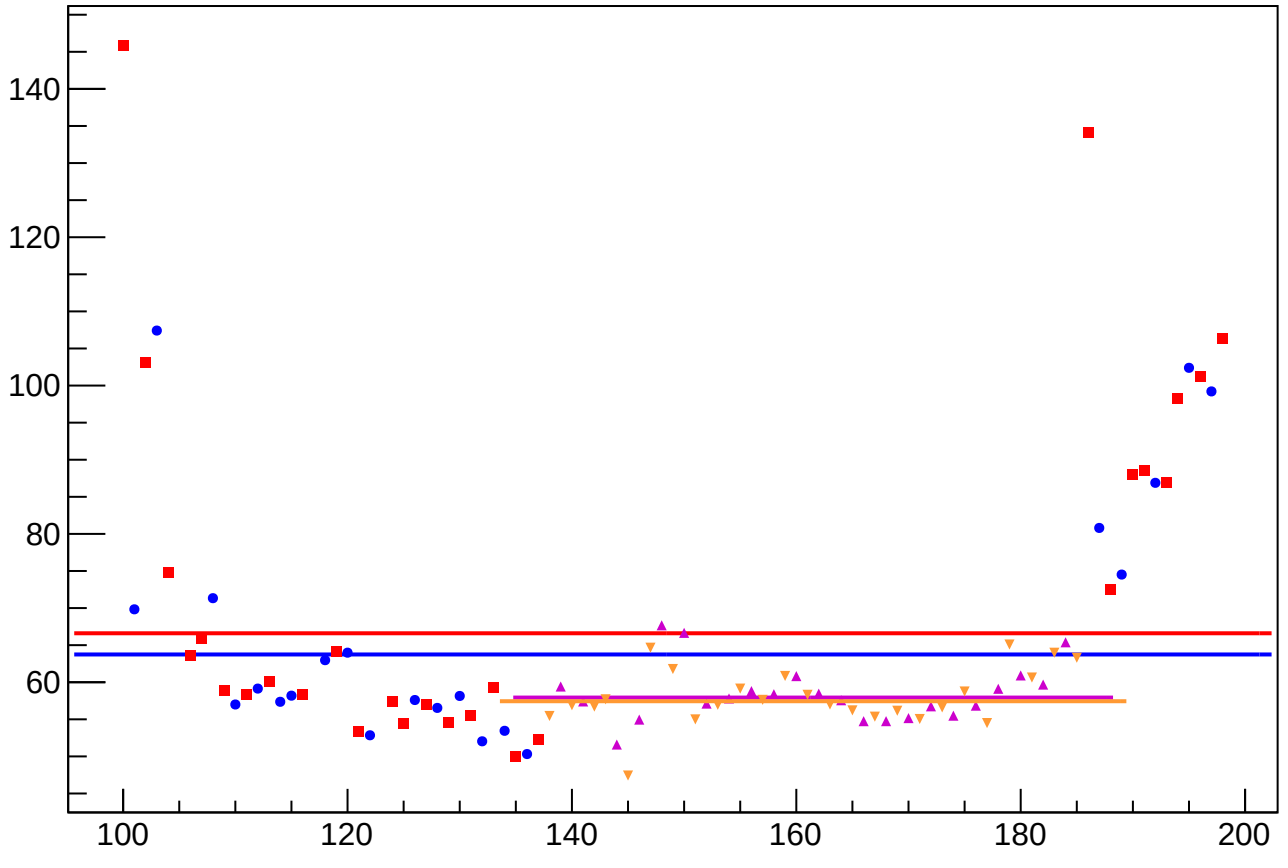
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 18.594+/-13.965 χ^2/NDF: 51.4/47

In: -54.415+/-11.256 χ^2/NDF:66.7/43

Out: -67.725+/-10.843 χ^2/NDF:97.1/51

All: -61.318+/-7.809 χ^2/NDF: 164.5/95



Right In: 63.744+/-0.014 χ^2/NDF: 1139006.6/20

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 66.602+/-0.014 χ^2/NDF: 1609935.5/26

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

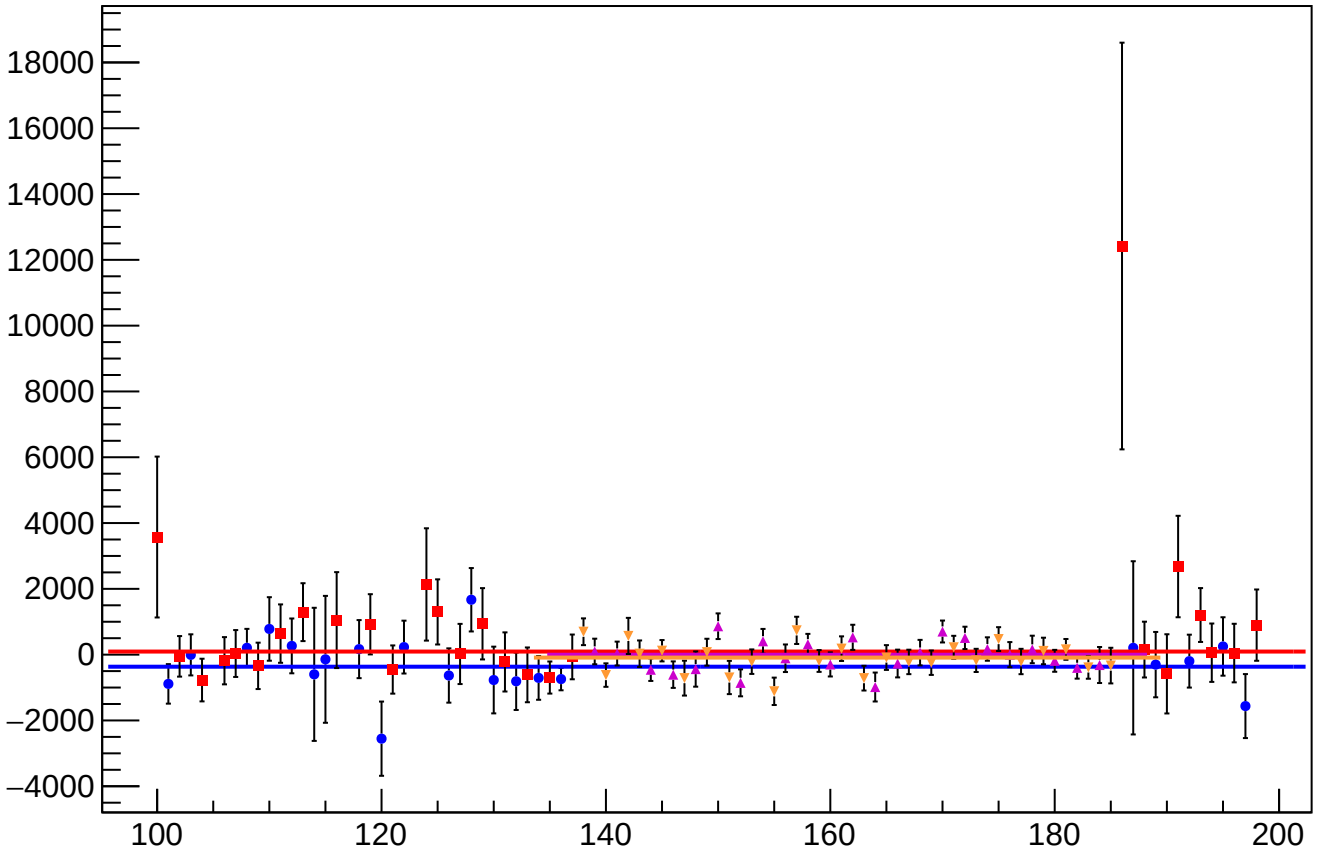
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 65.231+/-0.010 χ^2/NDF: 2769850.3/47

In: 59.744+/-0.008 χ^2/NDF:1389282.1/43

Out: 60.314+/-0.008 χ^2/NDF:2091903.1/51

All: 60.040+/-0.006 χ^2/NDF: 3483851.8/95



Right In: -366.498+/-167.388 χ^2/NDF: 17.3/20

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 93.985+/-164.280 χ^2/NDF: 25.0/26

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

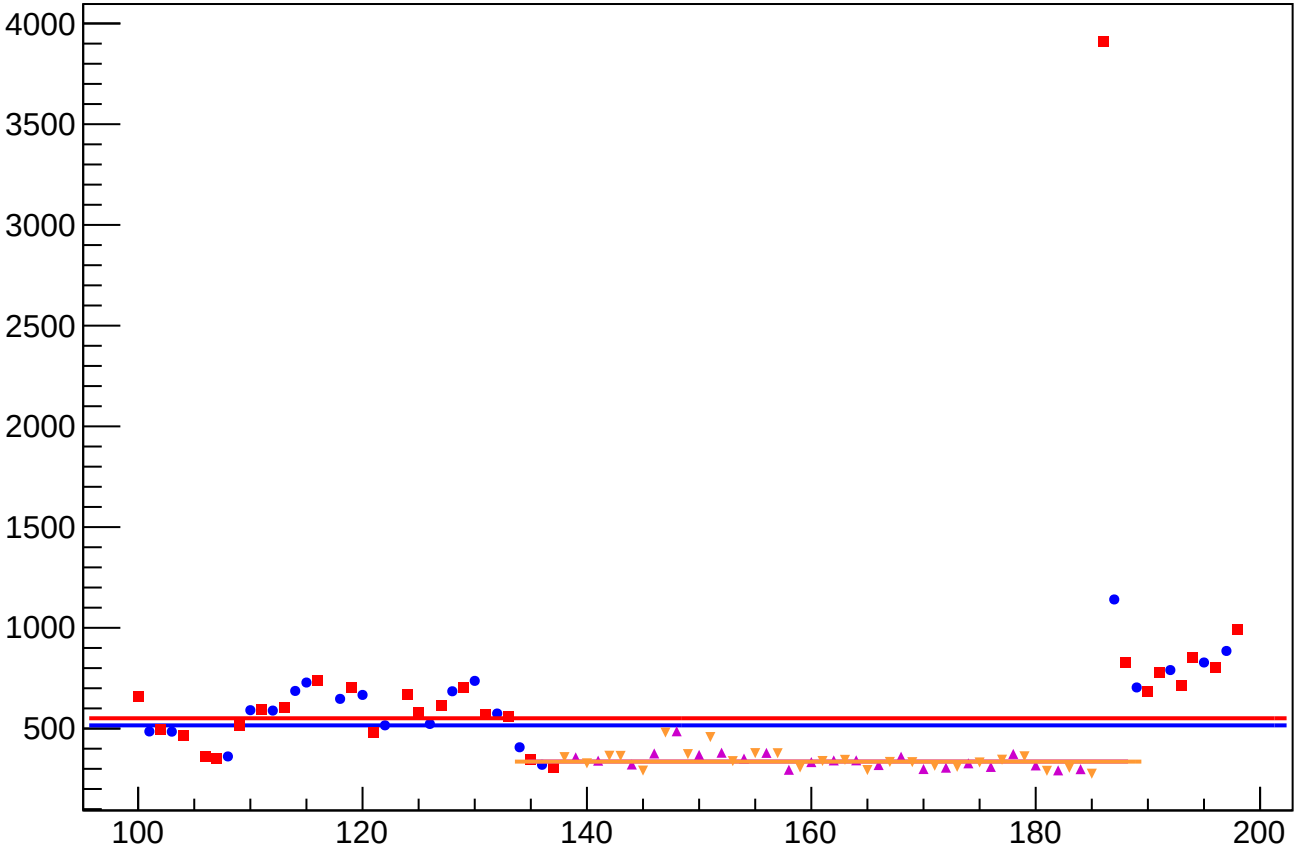
Right: -131.941+/-117.247 χ^2/NDF: 46.2/47

In: -69.521+/-71.586 χ^2/NDF:54.7/43

Out: -56.083+/-69.730 χ^2/NDF:55.9/51

All: -62.625+/-49.950 χ^2/NDF: 110.7/95

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 515.749+/-0.118 χ^2/NDF: 2129266.5/20

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 551.046+/-0.116 χ^2/NDF: 2823290.0/26

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

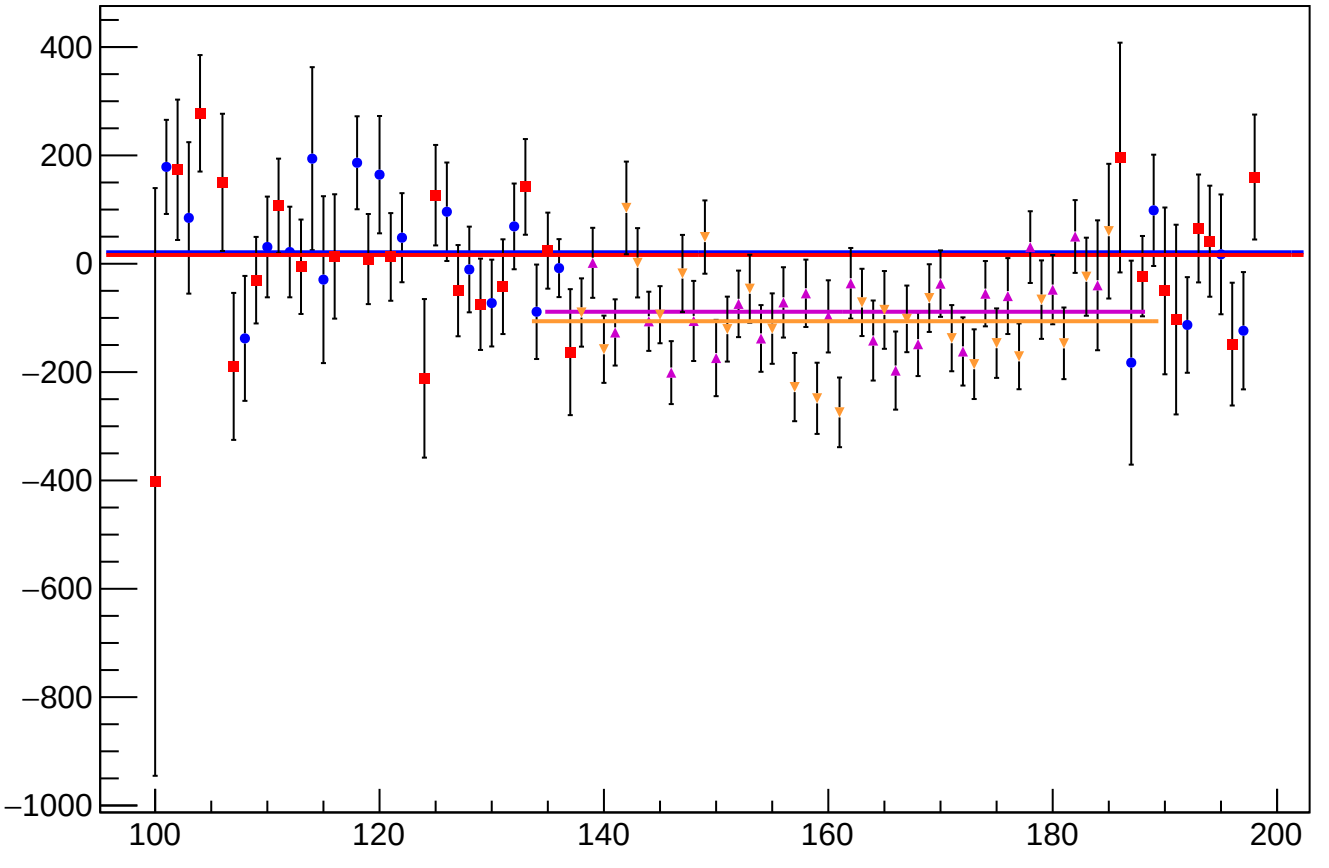
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 533.728+/-0.083 χ^2/NDF: 4997854.1/47

In: 369.156+/-0.051 χ^2/NDF:4420763.1/43

Out: 374.656+/-0.049 χ^2/NDF:6169513.7/51

All: 371.978+/-0.035 χ^2/NDF: 10596336.7/95



Right In: 21.154+/-20.164 χ^2/NDF: 22.4/20

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 16.233+/-19.361 χ^2/NDF: 29.0/26

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

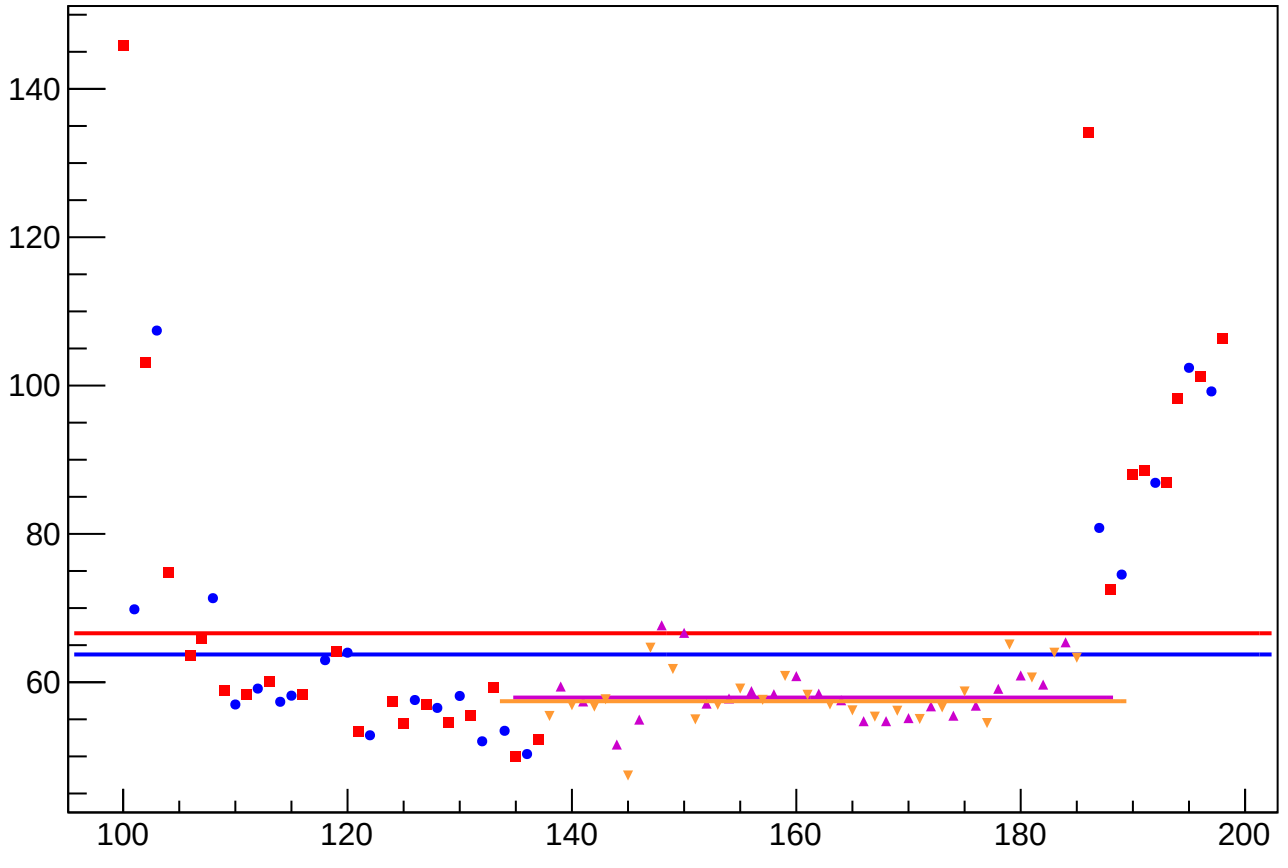
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 18.594+/-13.965 χ^2/NDF: 51.4/47

In: -54.415+/-11.256 χ^2/NDF:66.7/43

Out: -67.725+/-10.843 χ^2/NDF:97.1/51

All: -61.318+/-7.809 χ^2/NDF: 164.5/95



Right In: 63.744+/-0.014 χ^2/NDF: 1139006.6/20

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 66.602+/-0.014 χ^2/NDF: 1609935.5/26

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

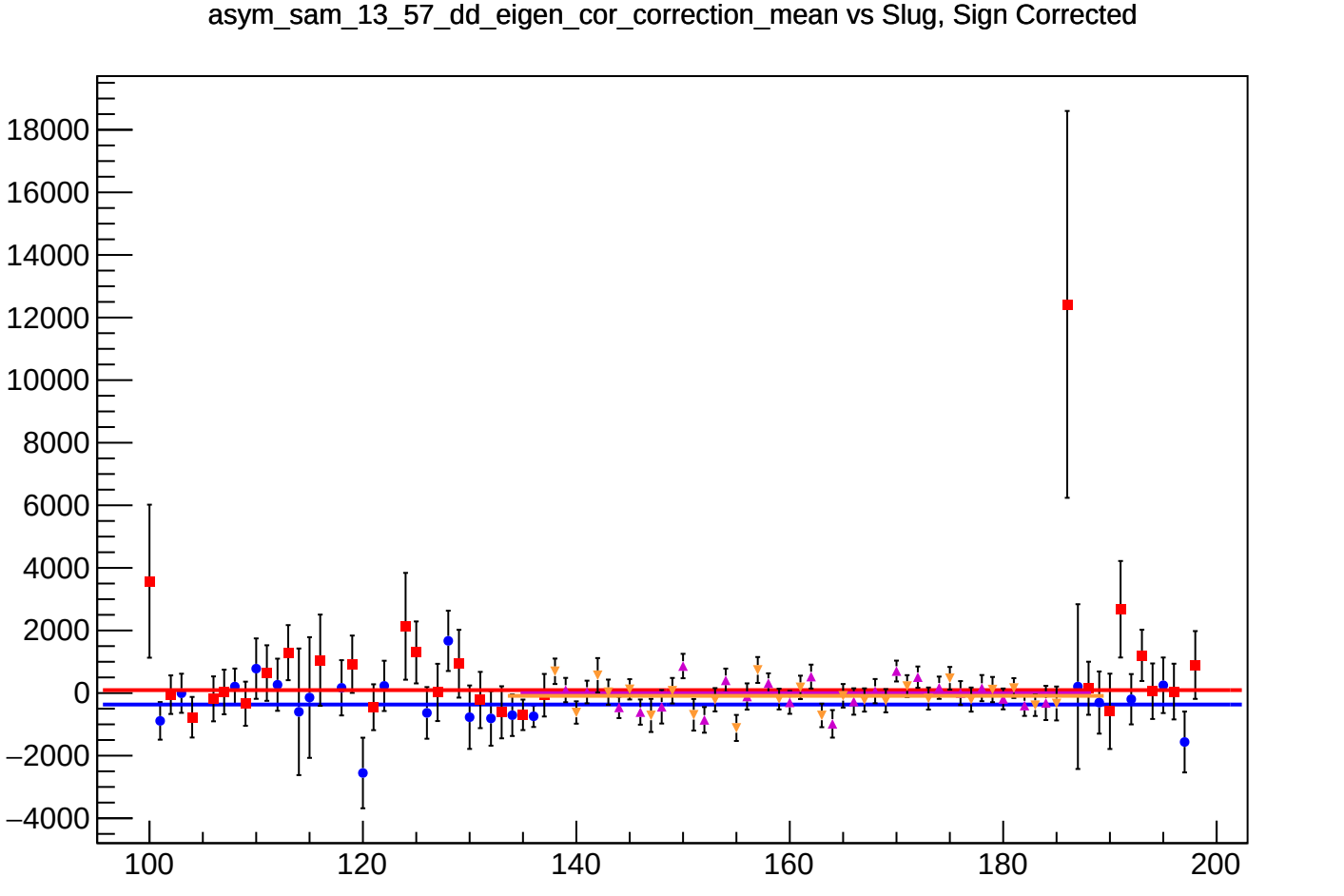
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 65.231+/-0.010 χ^2/NDF: 2769850.3/47

In: 59.744+/-0.008 χ^2/NDF:1389282.1/43

Out: 60.314+/-0.008 χ^2/NDF:2091903.1/51

All: 60.040+/-0.006 χ^2/NDF: 3483851.8/95



Right In: -366.498+/-167.388 χ^2/NDF: 17.3/20

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 93.985+/-164.280 χ^2/NDF: 25.0/26

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

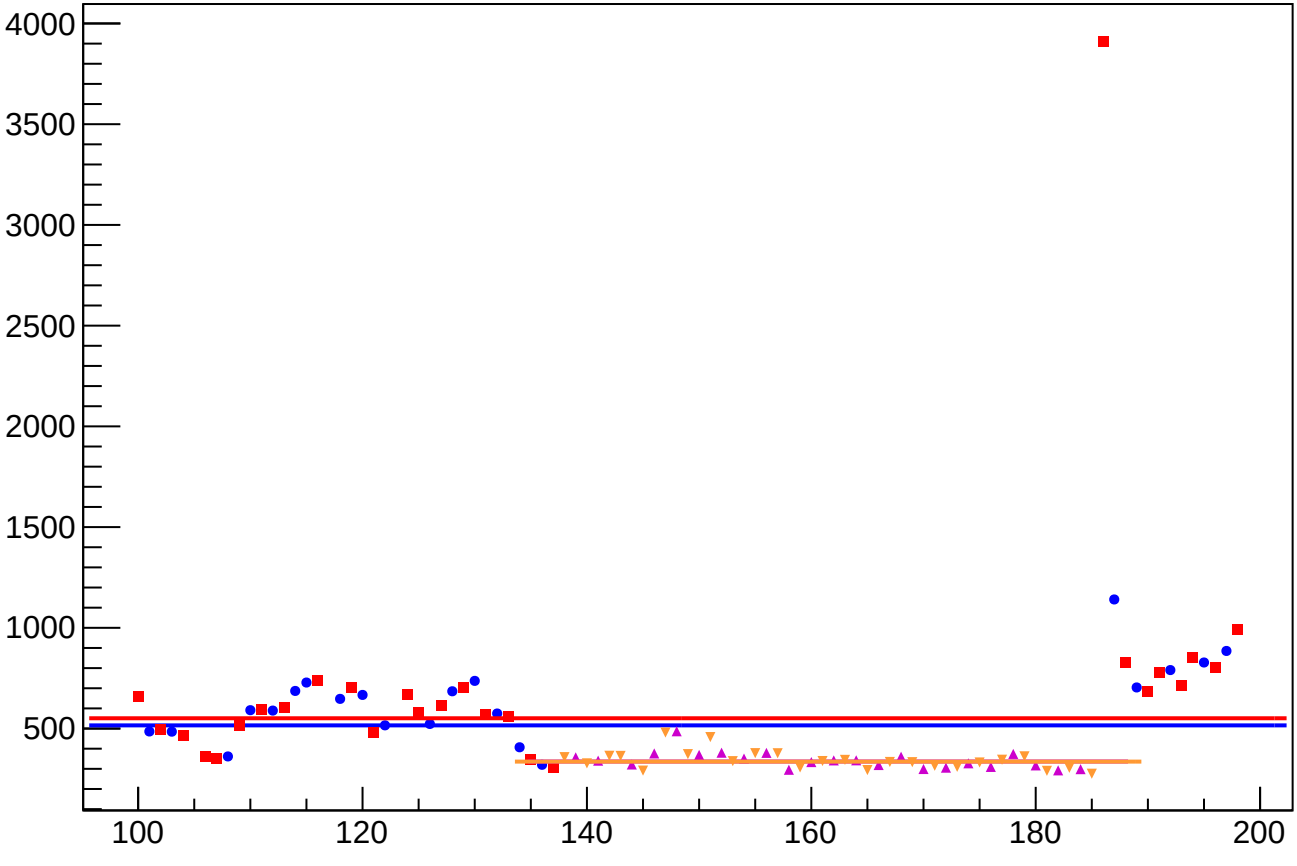
Right: -131.941+/-117.247 χ^2/NDF: 46.2/47

In: -69.521+/-71.586 χ^2/NDF:54.7/43

Out: -56.083+/-69.730 χ^2/NDF:55.9/51

All: -62.625+/-49.950 χ^2/NDF: 110.7/95

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 515.749+/-0.118 χ^2/NDF: 2129266.5/20

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 551.046+/-0.116 χ^2/NDF: 2823290.0/26

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

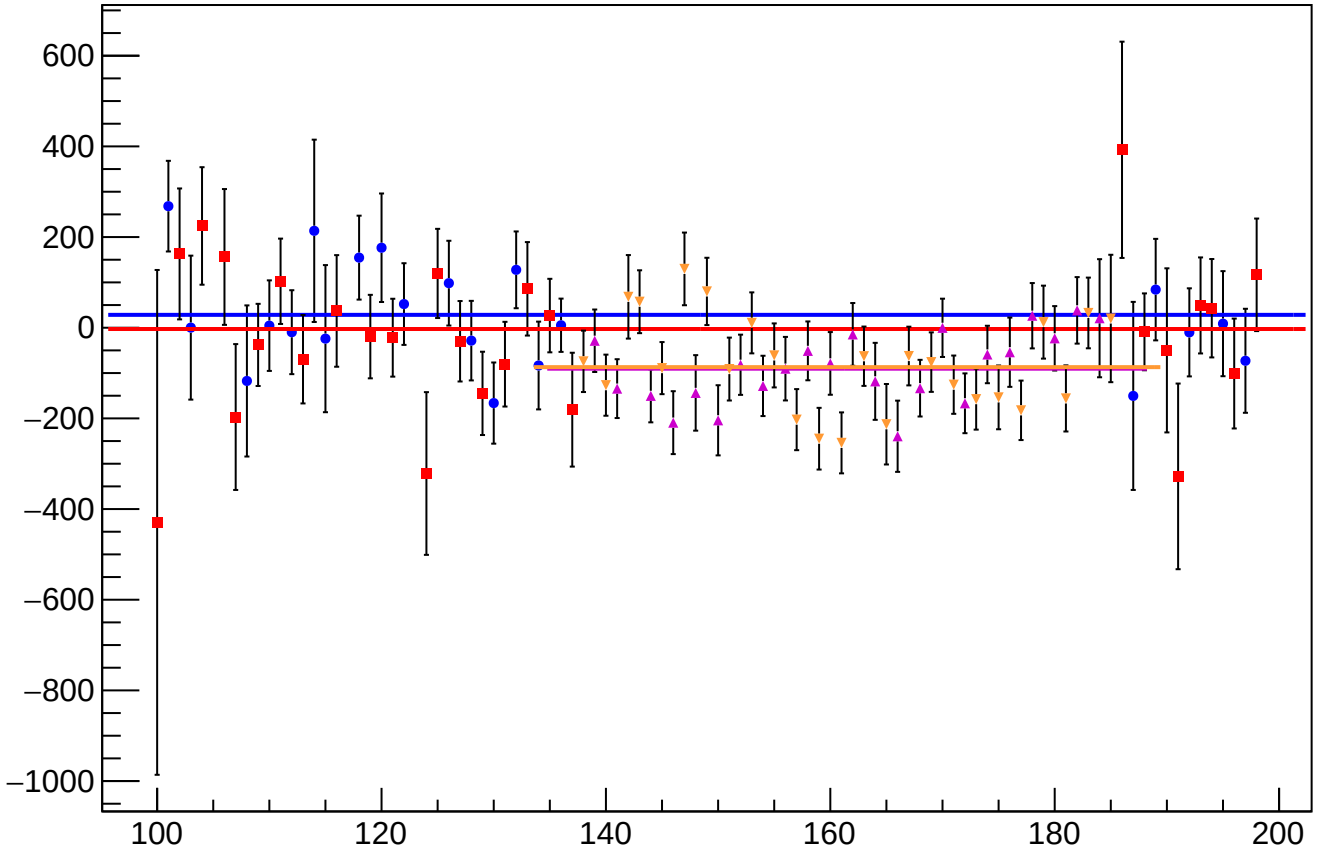
Right: 533.728+/-0.083 χ^2/NDF: 4997854.1/47

In: 369.156+/-0.051 χ^2/NDF:4420763.1/43

Out: 374.656+/-0.049 χ^2/NDF:6169513.7/51

All: 371.978+/-0.035 χ^2/NDF: 10596336.7/95

dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 28.398+/-22.199 χ^2/NDF: 21.7/20

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -2.821+/-21.441 χ^2/NDF: 27.7/26

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

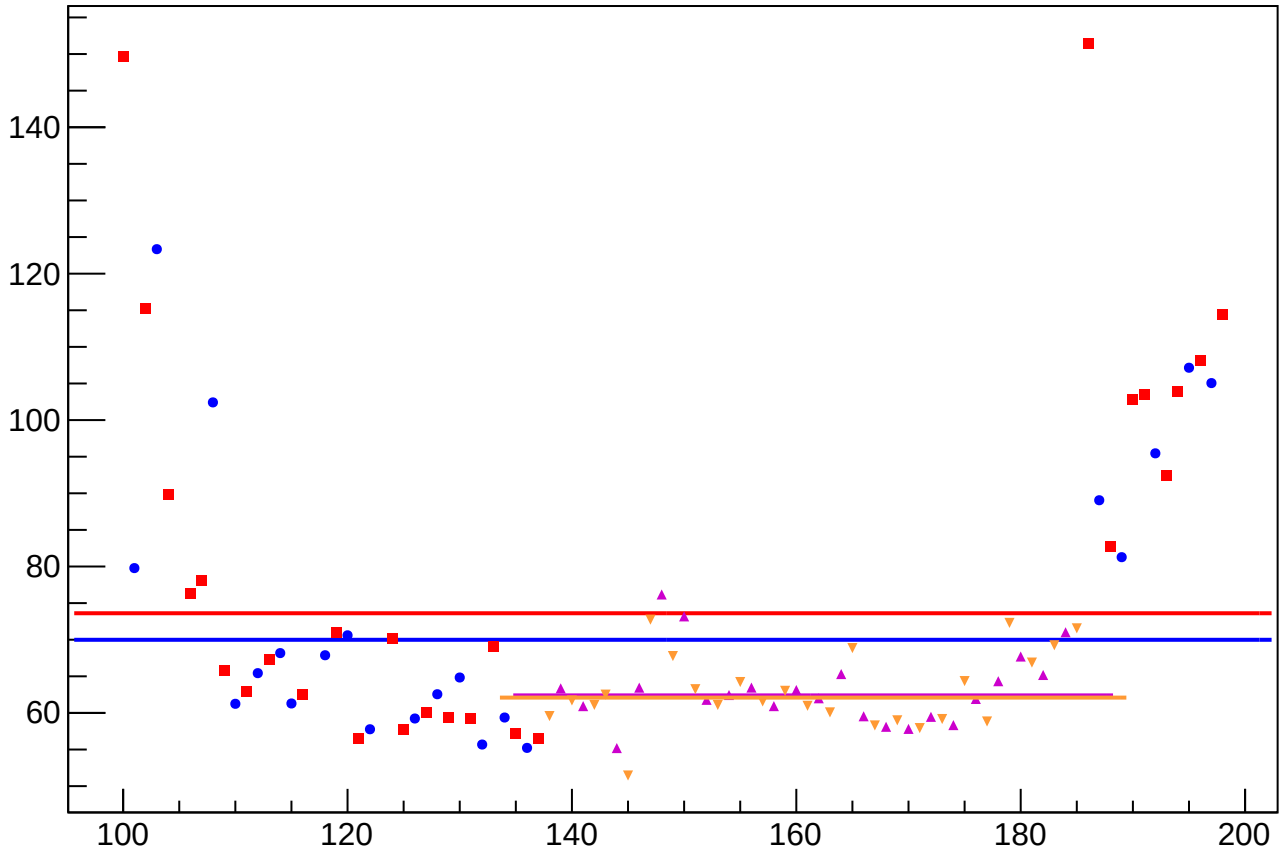
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 12.247+/-15.422 χ^2/NDF: 50.4/47

In: -54.309+/-12.231 χ^2/NDF:66.7/43

Out: -61.369+/-11.824 χ^2/NDF:87.2/51

All: -57.958+/-8.501 χ^2/NDF: 154.1/95



Right In: 69.989+/-0.016 χ^2/NDF: 1206719.6/20

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 73.616+/-0.015 χ^2/NDF: 1631702.6/26

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

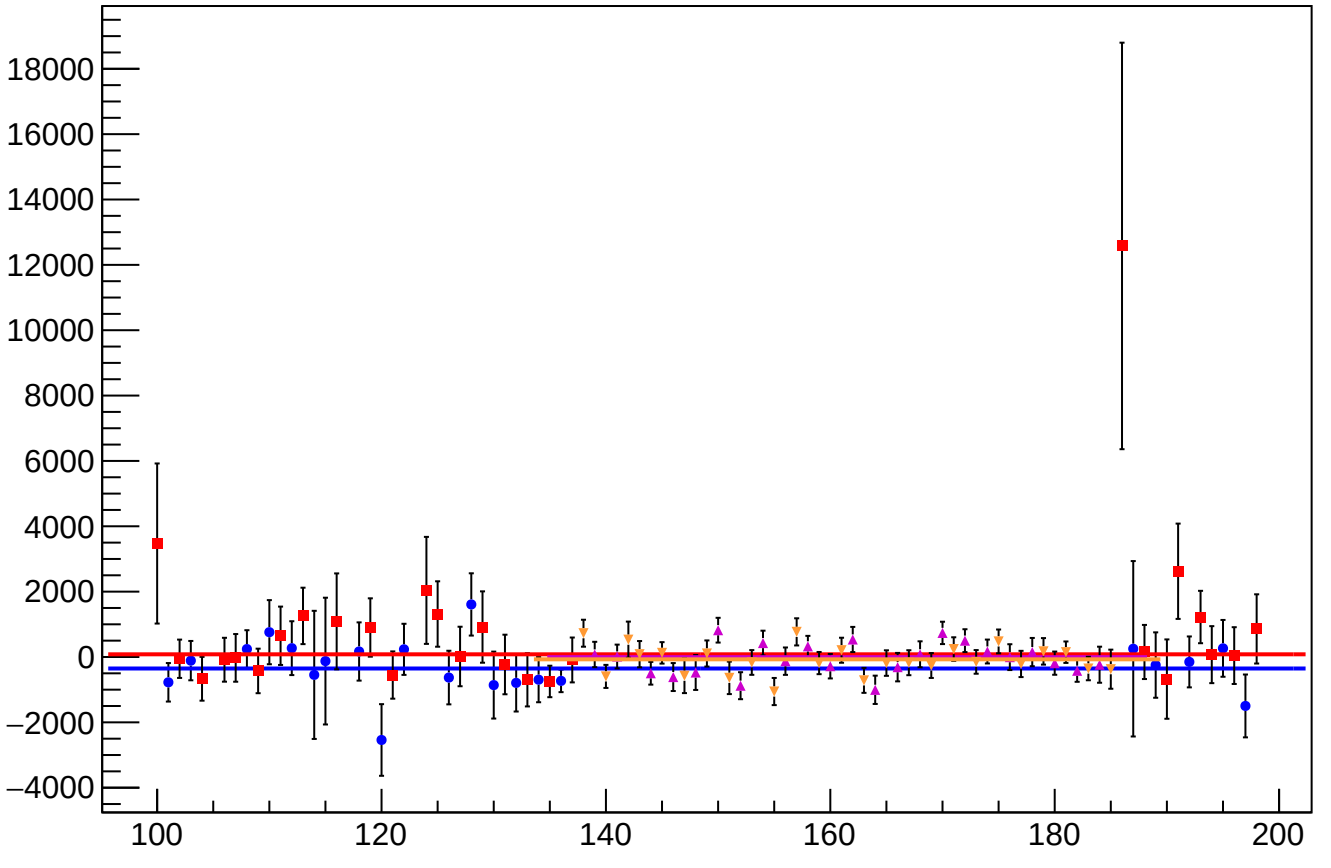
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 71.865+/-0.011 χ^2/NDF: 2866031.6/47

In: 64.701+/-0.009 χ^2/NDF:1558544.8/43

Out: 65.597+/-0.008 χ^2/NDF:2266973.1/51

All: 65.164+/-0.006 χ^2/NDF: 3831076.5/95



Right In: -352.323+/-166.807 χ^2/NDF: 16.8/20

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 81.944+/-162.102 χ^2/NDF: 25.8/26

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

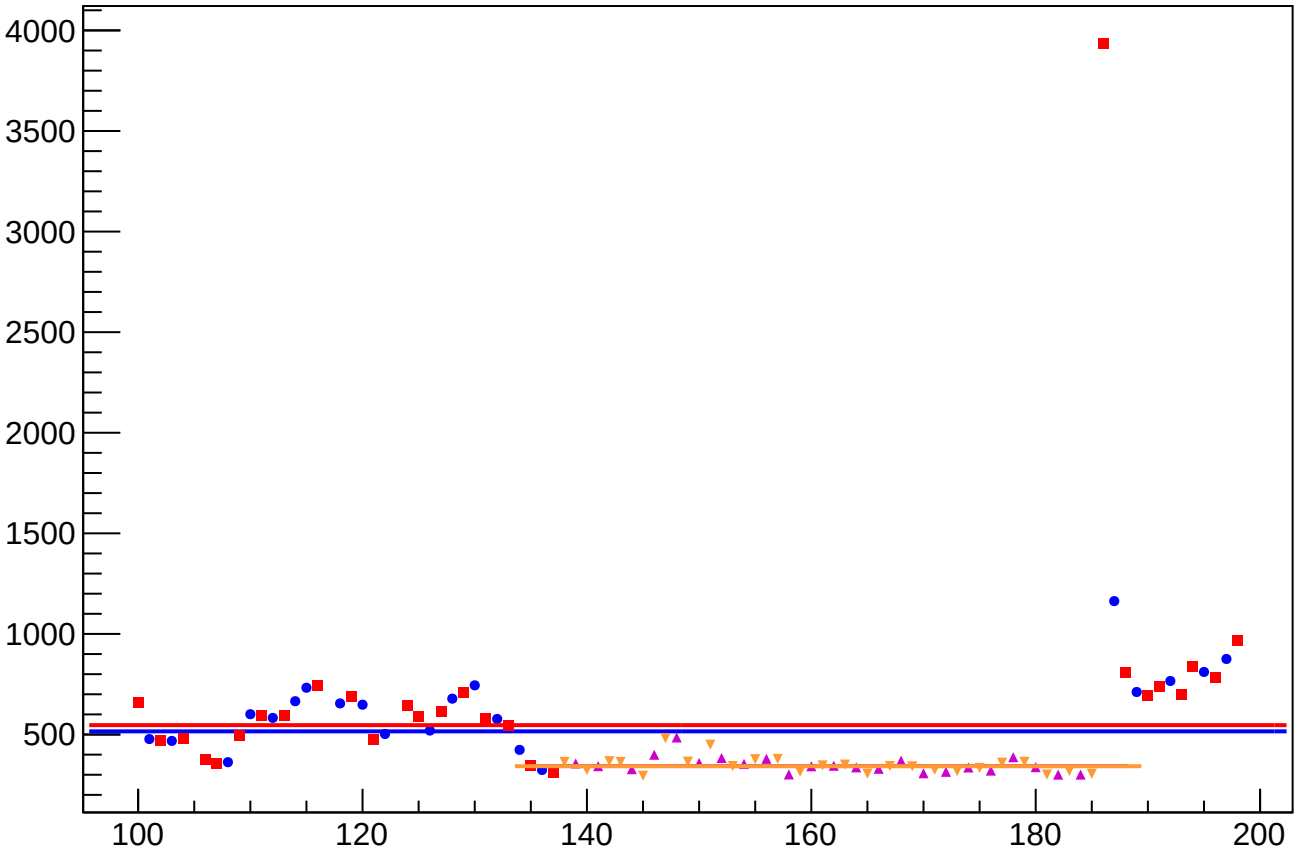
Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

Right: -128.979+/-116.251 χ^2/NDF: 46.2/47

In: -71.873+/-72.689 χ^2/NDF:54.3/43

Out: -42.270+/-70.578 χ^2/NDF:55.1/51

All: -56.635+/-50.636 χ^2/NDF: 109.6/95



Right In: 515.728+/-0.118 χ^2/NDF: 2038133.0/20

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 546.566+/-0.115 χ^2/NDF: 2728275.3/26

Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

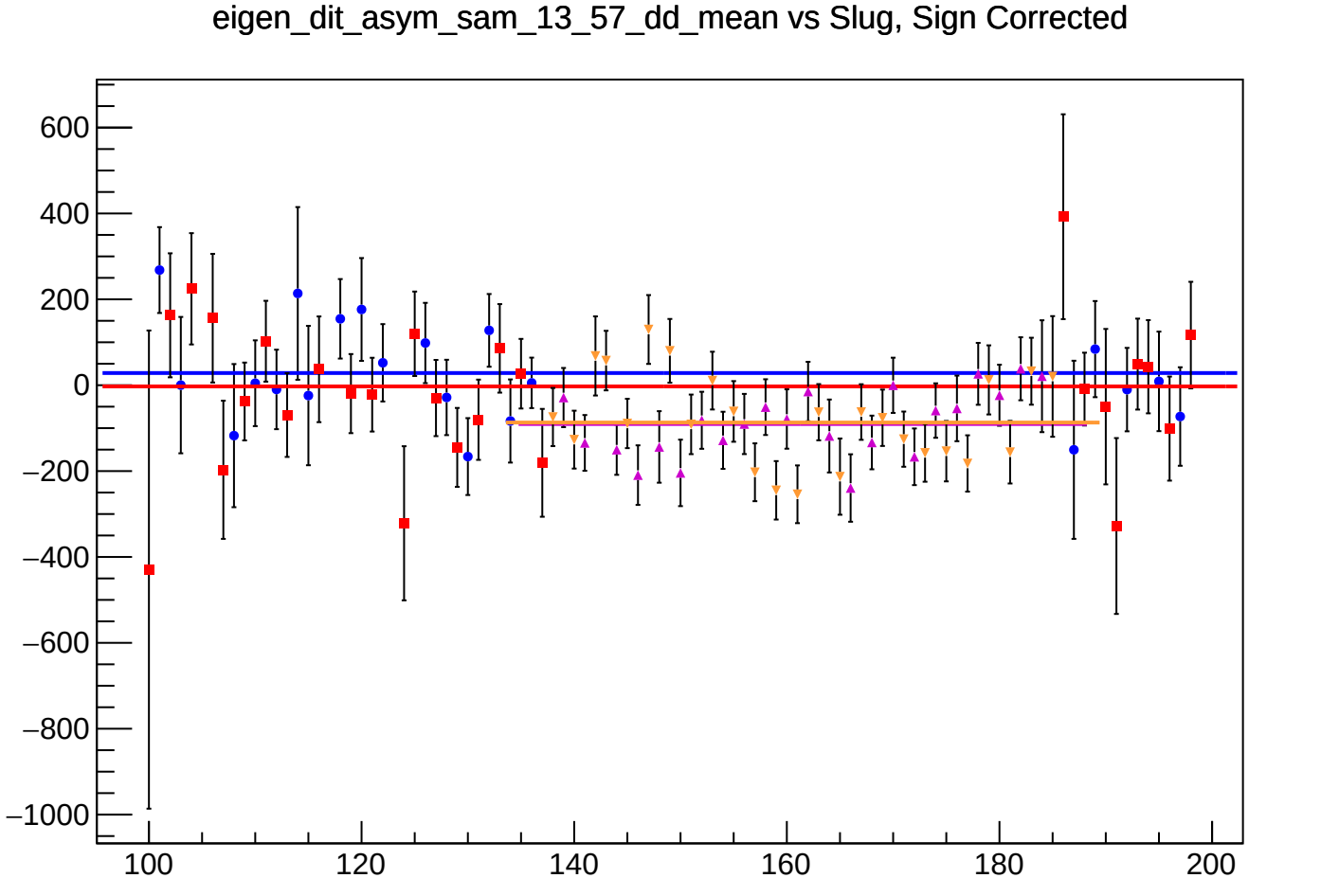
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

Right: 531.588+/-0.082 χ^2/NDF: 4801563.7/47

In: 375.998+/-0.051 χ^2/NDF:4143480.8/43

Out: 381.186+/-0.050 χ^2/NDF:5731099.7/51

All: 378.668+/-0.036 χ^2/NDF: 9879825.1/95



Right In: 28.399+/-22.199 χ^2/NDF: 21.7/20

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -2.821+/-21.441 χ^2/NDF: 27.7/26

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

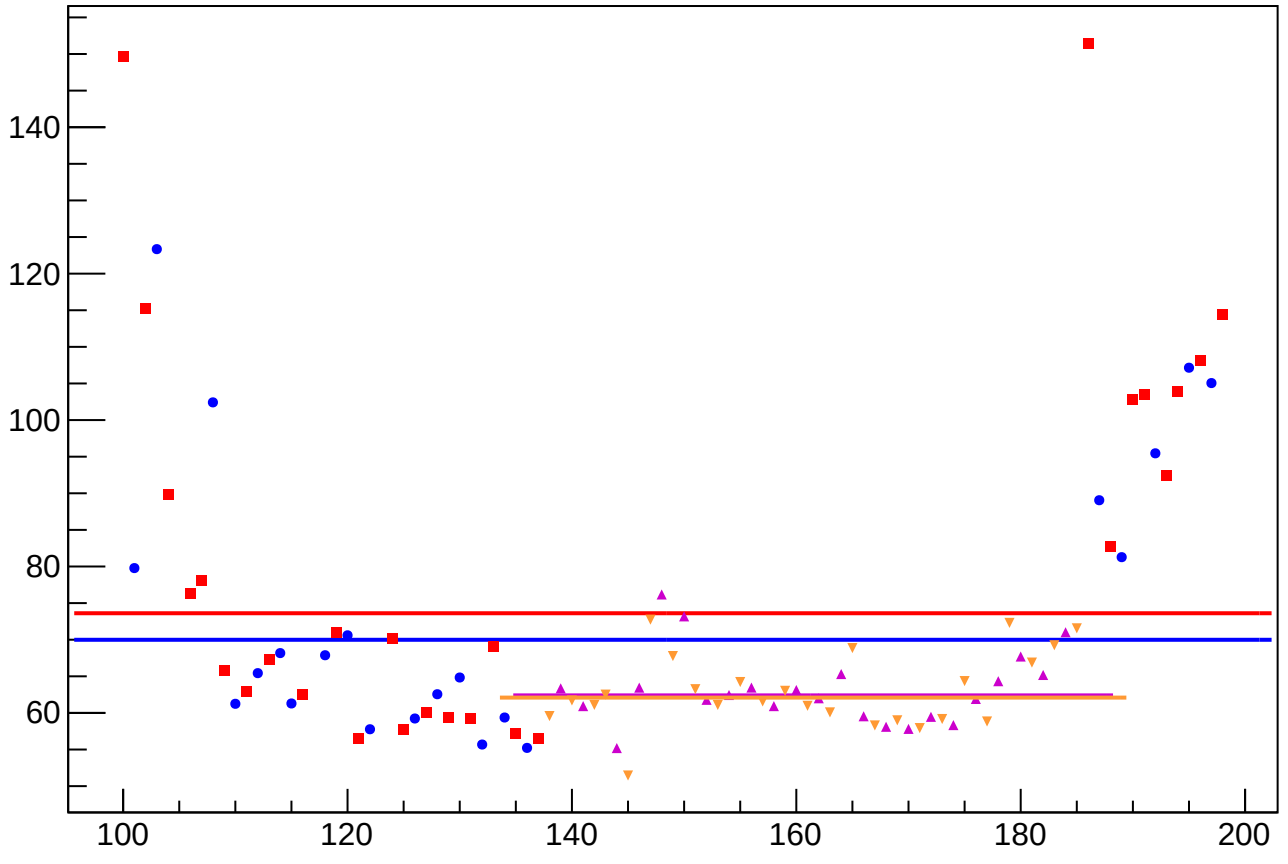
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 12.247+/-15.422 χ^2/NDF: 50.4/47

In: -54.309+/-12.231 χ^2/NDF:66.7/43

Out: -61.368+/-11.824 χ^2/NDF:87.2/51

All: -57.958+/-8.501 χ^2/NDF: 154.1/95



Right In: 69.989+/-0.016 χ^2/NDF: 1206740.4/20

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

Right Out: 73.615+/-0.015 χ^2/NDF: 1631703.9/26

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

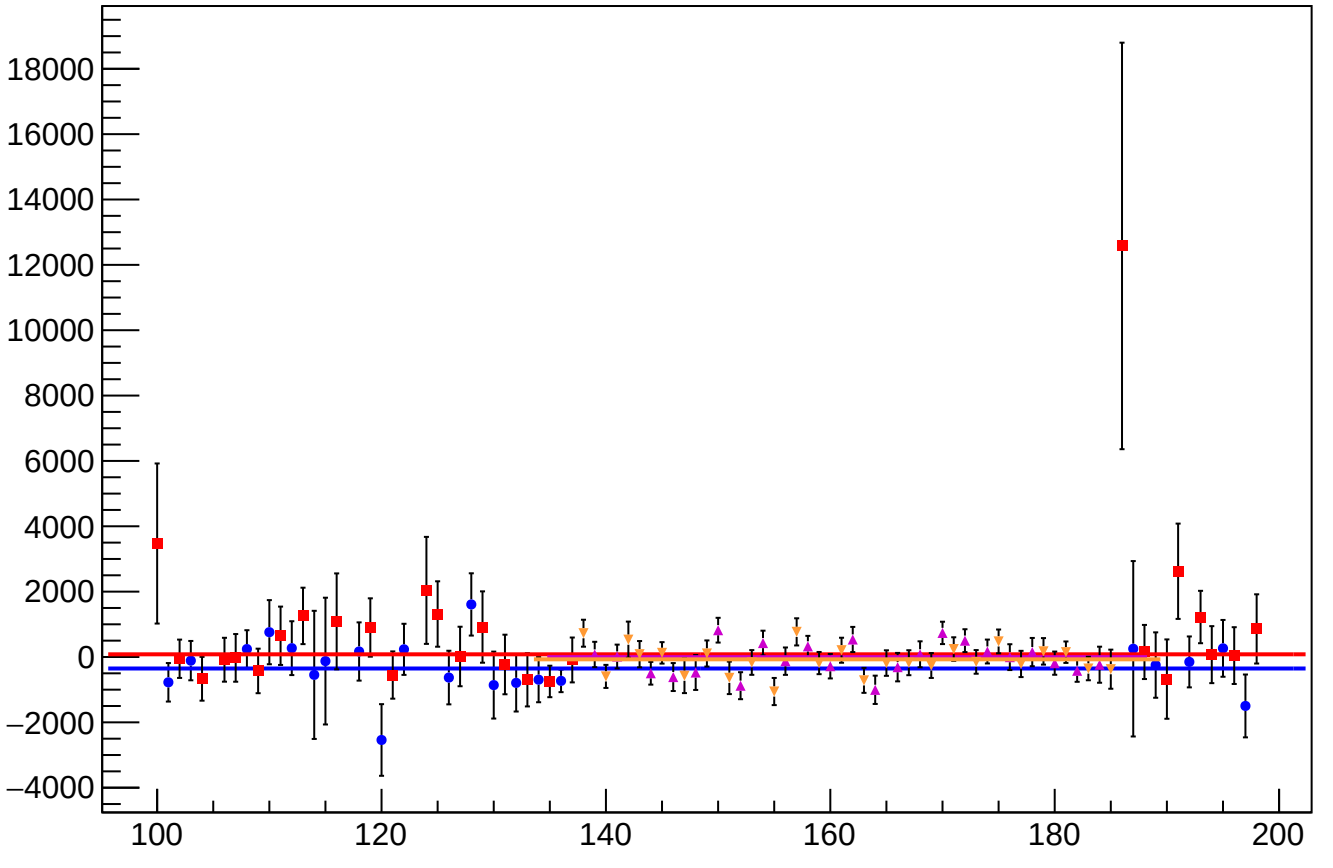
Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

Right: 71.865+/-0.011 χ^2/NDF: 2866053.7/47

In: 64.701+/-0.009 χ^2/NDF:1558564.1/43

Out: 65.597+/-0.008 χ^2/NDF:2266974.0/51

All: 65.164+/-0.006 χ^2/NDF: 3831096.5/95



Right In: -352.323+/-166.807 χ^2/NDF: 16.8/20

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 81.944+/-162.102 χ^2/NDF: 25.8/26

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

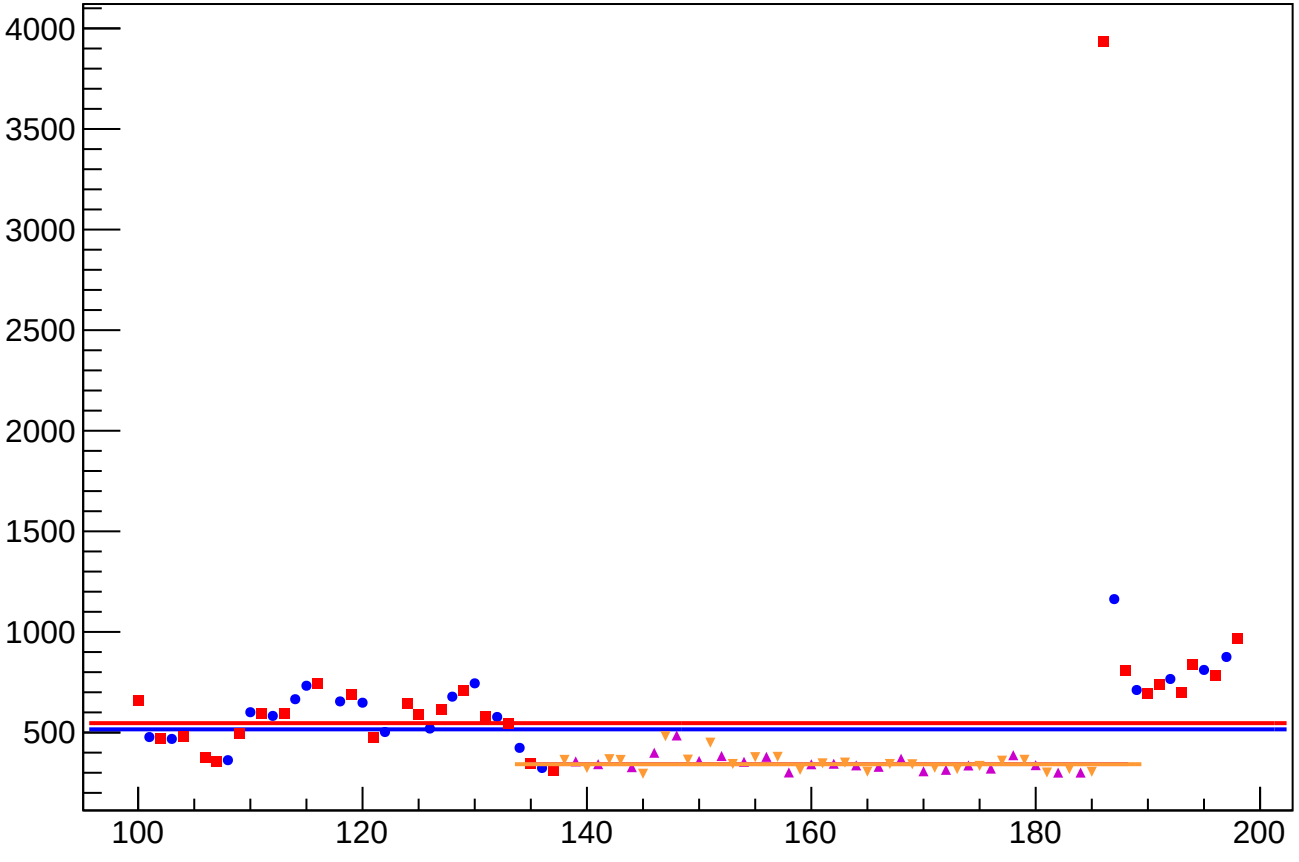
Right: -128.979+/-116.251 χ^2/NDF: 46.2/47

In: -71.873+/-72.689 χ^2/NDF:54.3/43

Out: -42.269+/-70.578 χ^2/NDF:55.1/51

All: -56.635+/-50.636 χ^2/NDF: 109.6/95

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 515.727+/-0.118 χ^2/NDF: 2038134.2/20

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 546.565+/-0.115 χ^2/NDF: 2728279.8/26

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

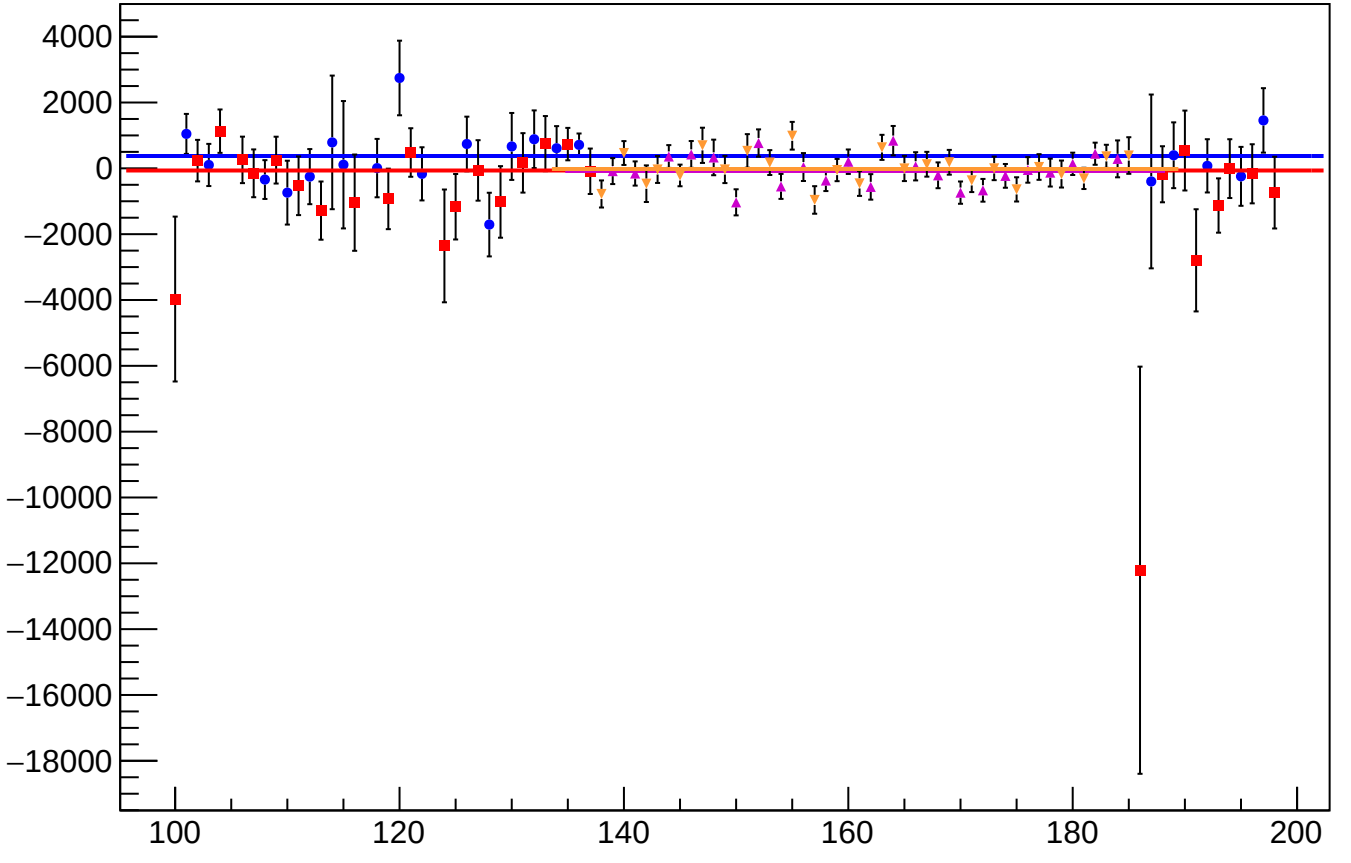
Right: 531.587+/-0.082 χ^2/NDF: 4801569.2/47

In: 375.998+/-0.051 χ^2/NDF:4143471.7/43

Out: 381.186+/-0.050 χ^2/NDF:5731091.7/51

All: 378.668+/-0.036 χ^2/NDF: 9879807.7/95

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 374.797+/-169.180 χ^2/NDF: 18.1/20

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: -65.579+/-165.656 χ^2/NDF: 27.1/26

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

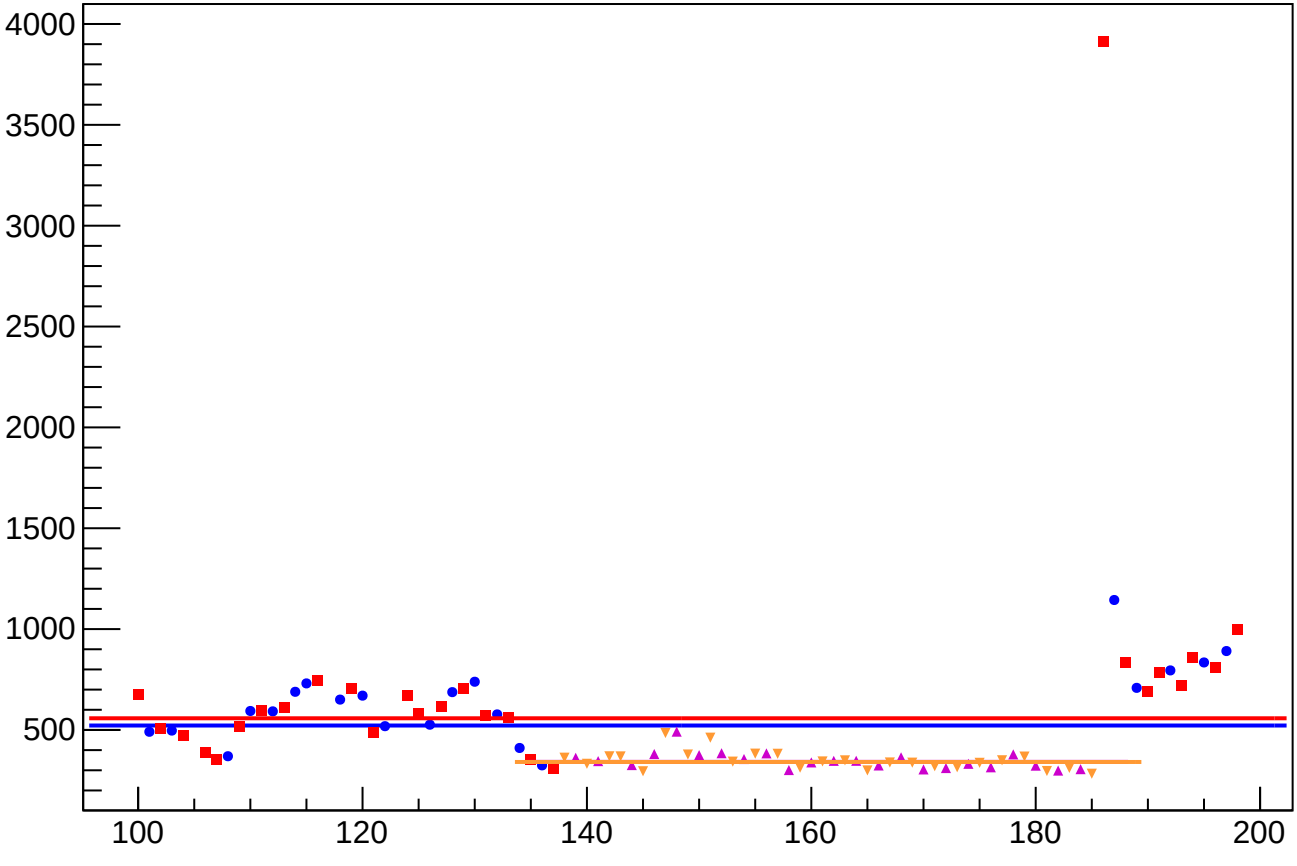
Right: 149.974+/-118.363 χ^2/NDF: 48.7/47

In: 4.852+/-72.624 χ^2/NDF:56.8/43

Out: -28.528+/-70.714 χ^2/NDF:58.7/51

All: -12.283+/-50.664 χ^2/NDF: 115.6/95

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 521.949+/-0.120 χ^2/NDF: 2082053.3/20

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

Right Out: 557.832+/-0.117 χ^2/NDF: 2751869.1/26

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

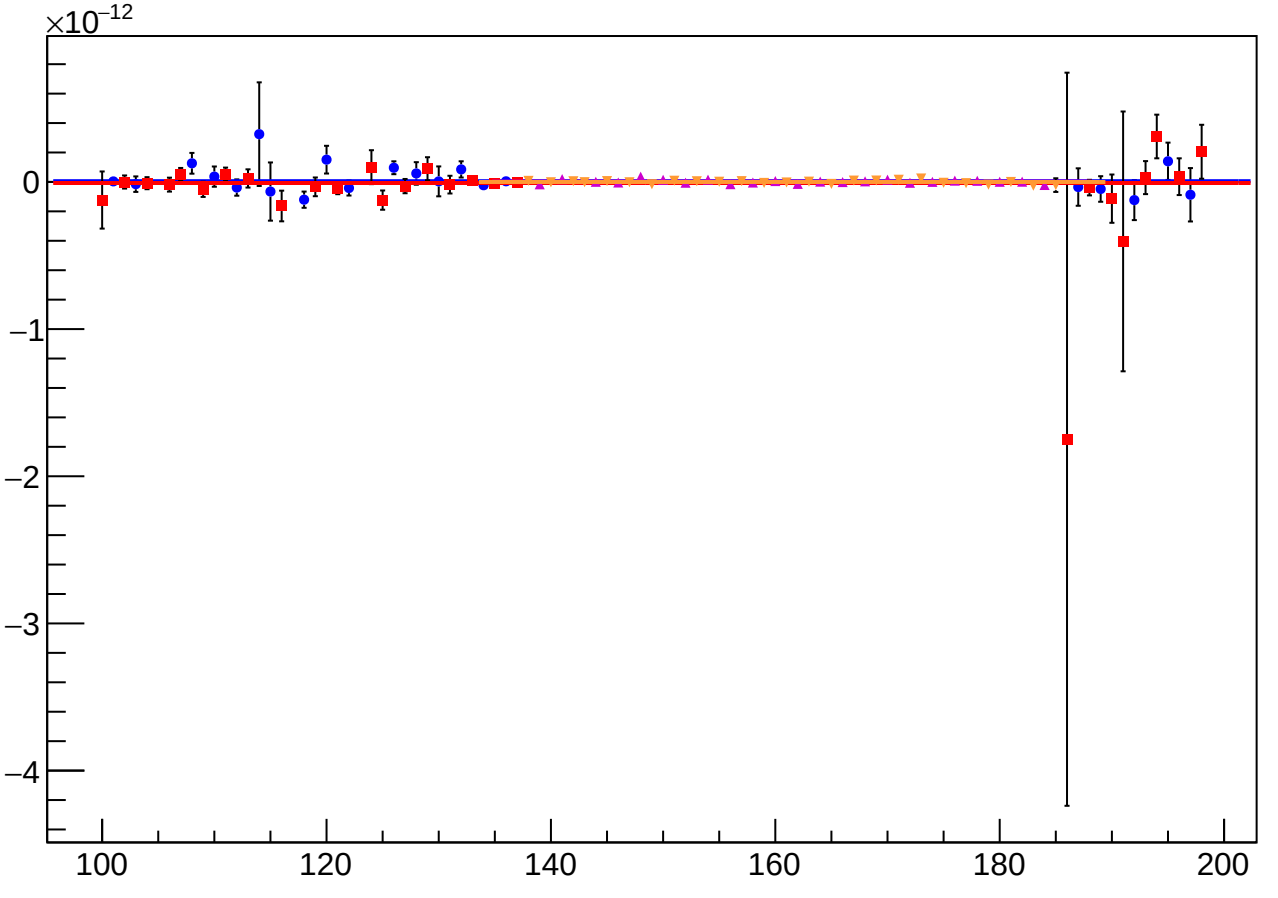
Right: 540.268+/-0.084 χ^2/NDF: 4879857.3/47

In: 374.852+/-0.051 χ^2/NDF:4332436.0/43

Out: 380.674+/-0.050 χ^2/NDF:6059795.8/51

All: 377.840+/-0.036 χ^2/NDF: 10398829.6/95

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/26

Left In: 0.000+/-0.000 χ^2/NDF:14.4/22

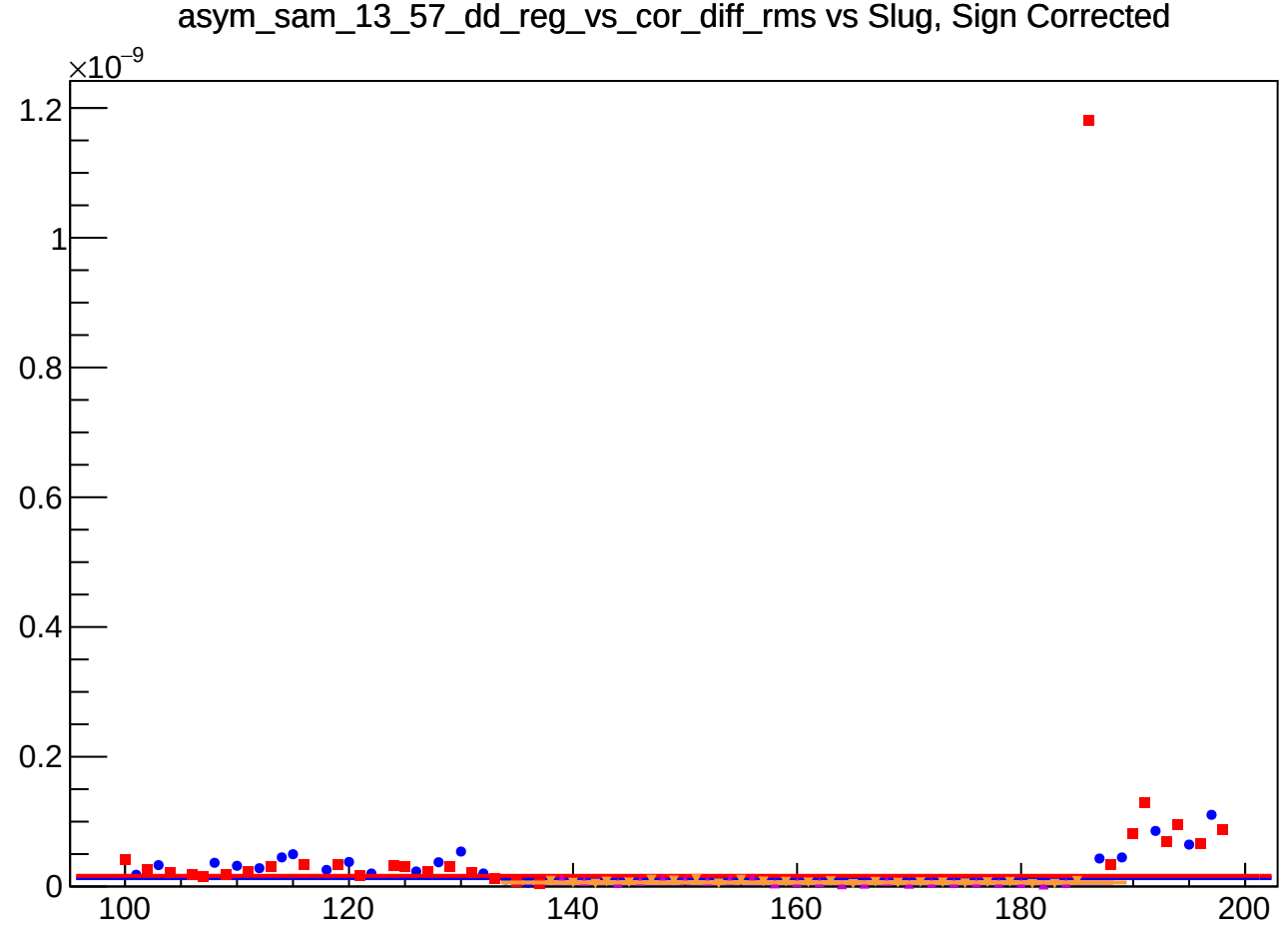
Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

Right: -0.000+/-0.000 χ^2/NDF: 46.5/47

In: 0.000+/-0.000 χ^2/NDF:38.4/43

Out: -0.000+/-0.000 χ^2/NDF:41.3/51

All: 0.000+/-0.000 χ^2/NDF: 80.7/95



Right In: 0.000+/-0.000 χ^2/NDF: 4748652.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4498468.0/26

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

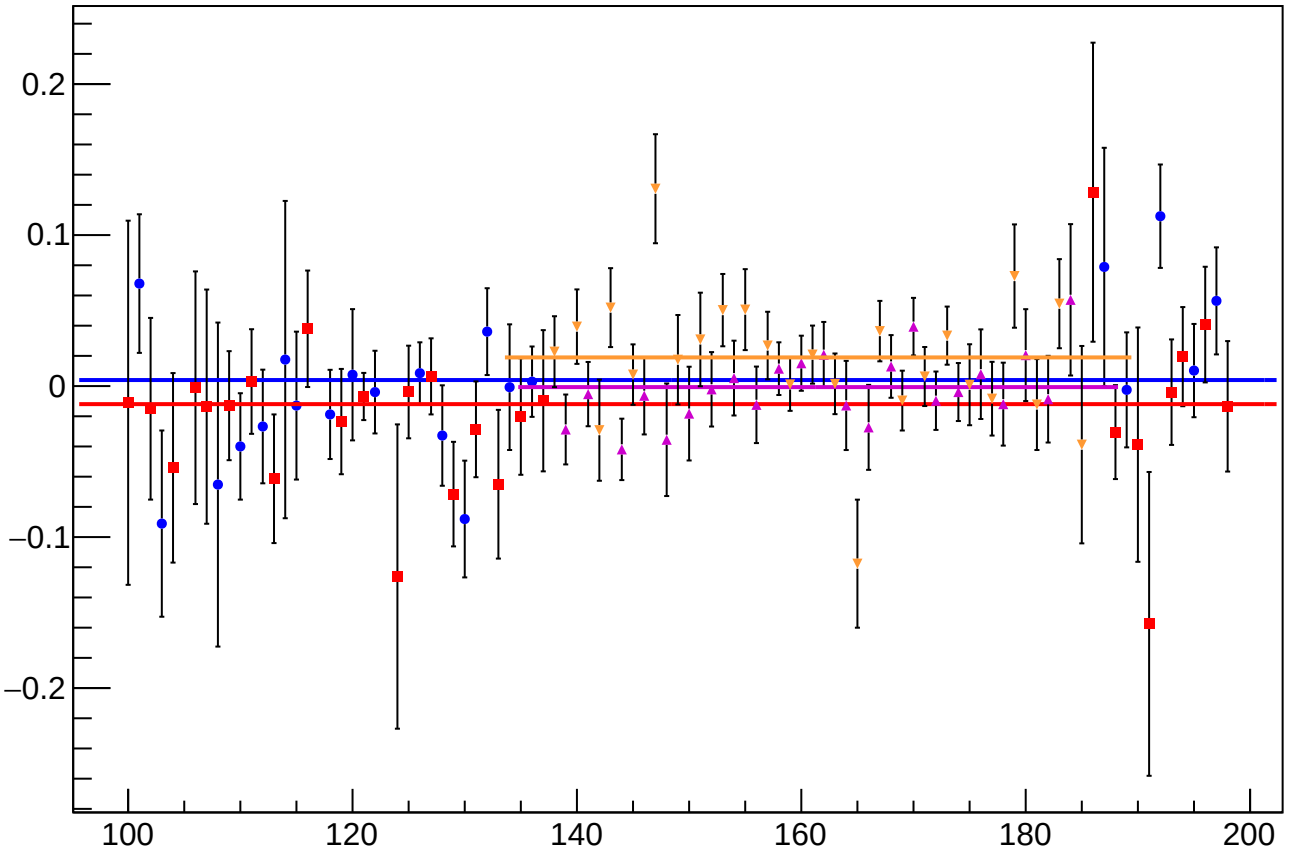
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 9418122.4/47

In: 0.000+/-0.000 χ^2/NDF:7759734.5/43

Out: 0.000+/-0.000 χ^2/NDF:8066434.8/51

All: 0.000+/-0.000 χ^2/NDF: 15835451.7/95



Right In: 0.004+/-0.008 χ^2/NDF: 29.2/20

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.012+/-0.007 χ^2/NDF: 17.7/26

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

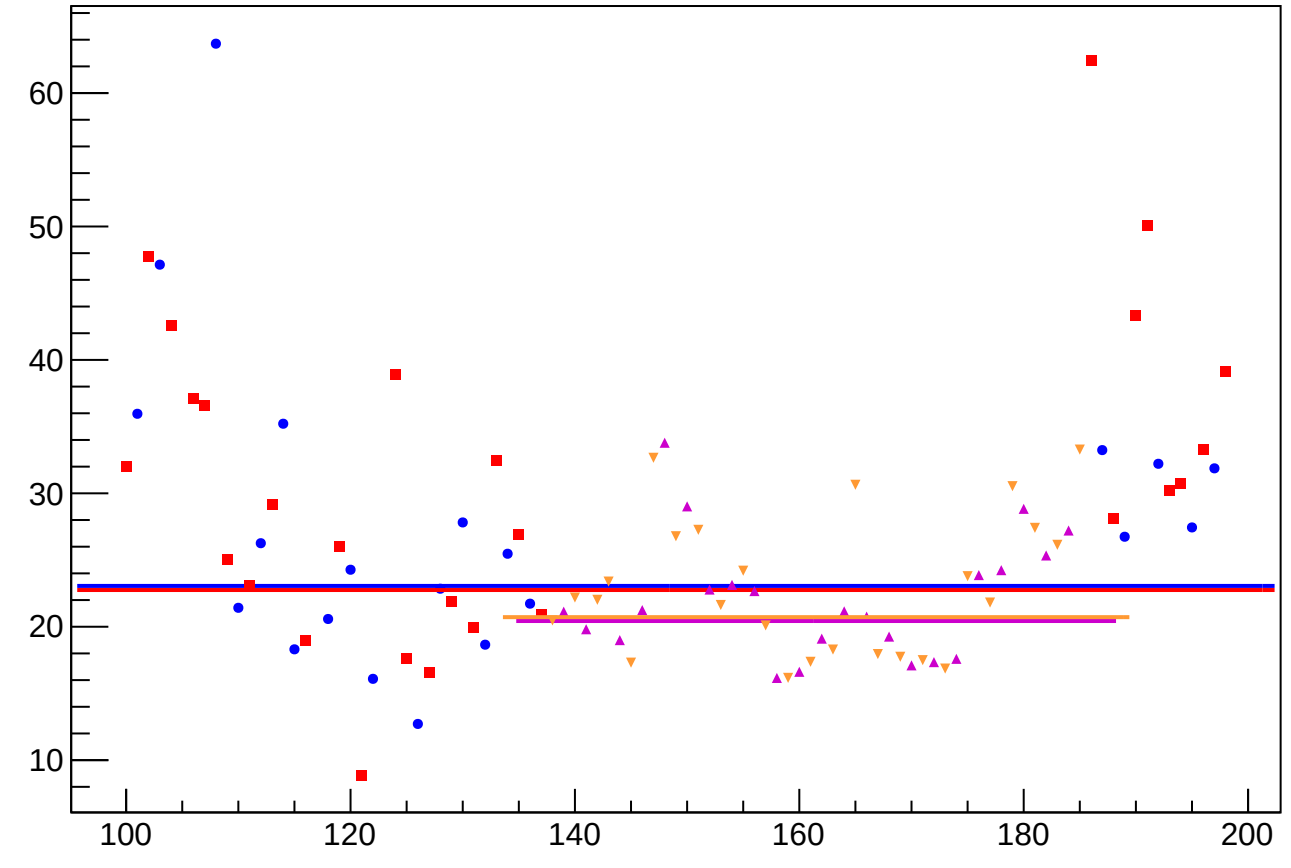
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.004+/-0.005 χ^2/NDF: 49.1/47

In: 0.001+/-0.004 χ^2/NDF:47.1/43

Out: 0.009+/-0.004 χ^2/NDF:71.4/51

All: 0.005+/-0.003 χ^2/NDF: 120.7/95



Right In: 23.060+/-0.005 χ^2/NDF: 1921093.1/20

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 22.752+/-0.005 χ^2/NDF: 4031169.1/26

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

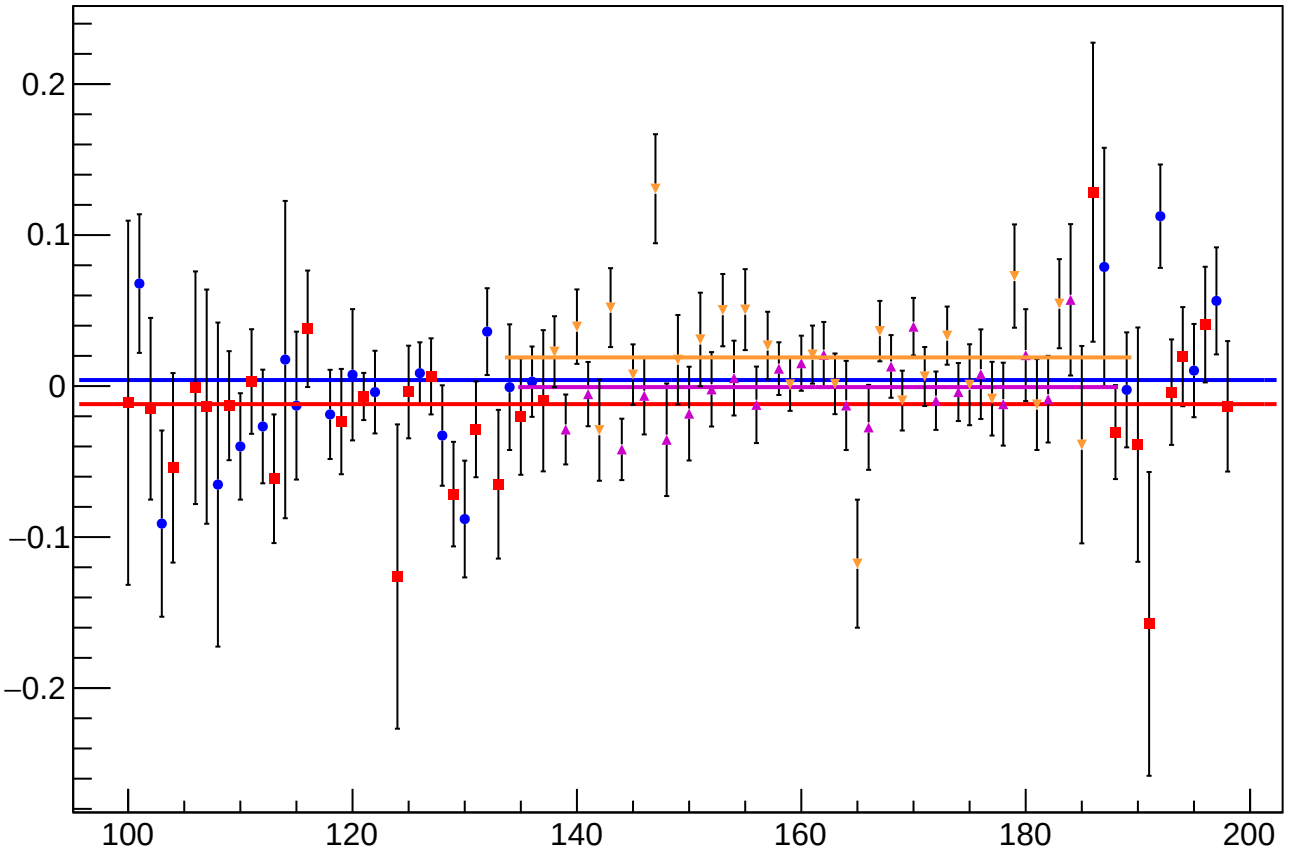
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 22.897+/-0.004 χ^2/NDF: 5953967.4/47

In: 21.199+/-0.003 χ^2/NDF:3261406.1/43

Out: 21.353+/-0.003 χ^2/NDF:5646484.2/51

All: 21.278+/-0.002 χ^2/NDF: 8909303.8/95



Right In: 0.004+/-0.008 χ^2/NDF: 29.2/20

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.012+/-0.007 χ^2/NDF: 17.7/26

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

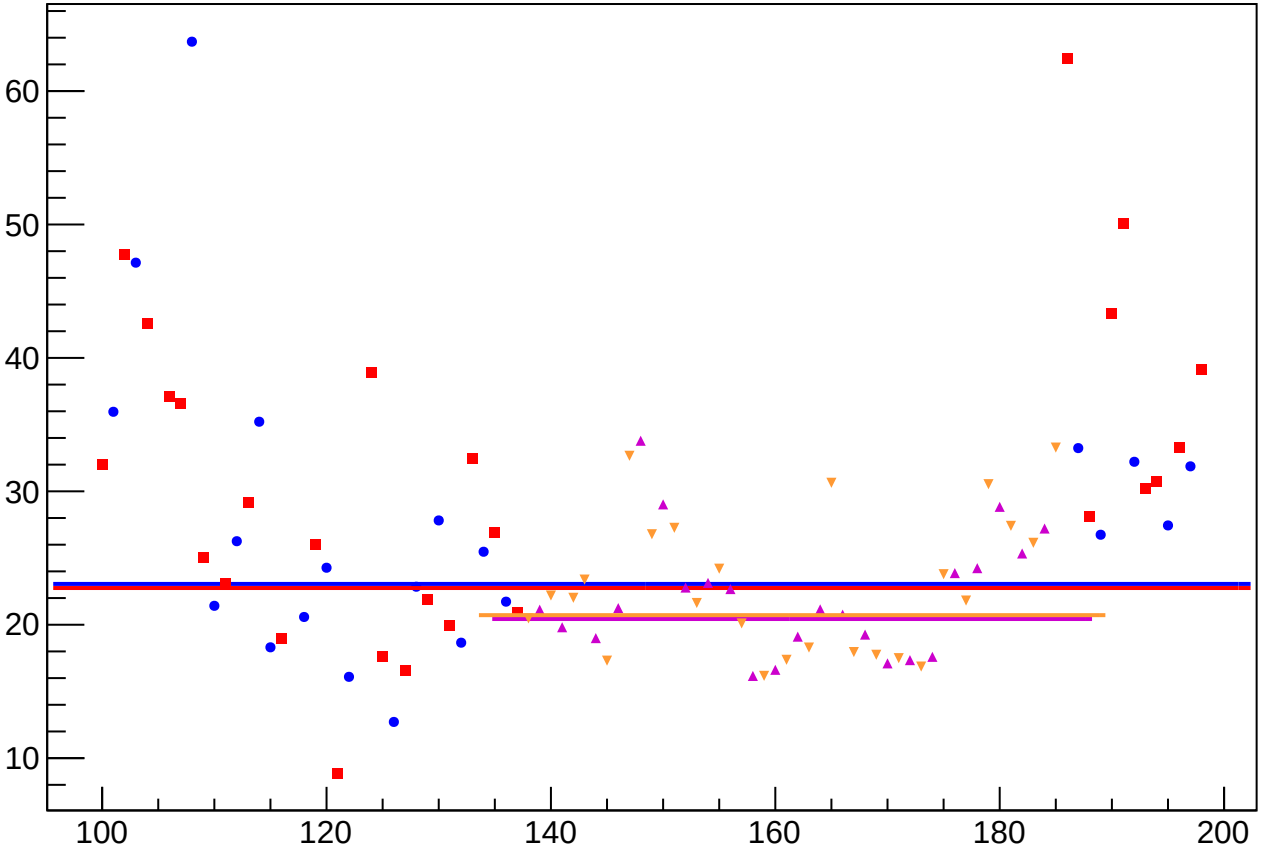
Right: -0.004+/-0.005 χ^2/NDF: 49.1/47

In: 0.001+/-0.004 χ^2/NDF:47.1/43

Out: 0.009+/-0.004 χ^2/NDF:71.4/51

All: 0.005+/-0.003 χ^2/NDF: 120.7/95

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.060+/-0.005 χ^2/NDF: 1921093.1/20

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 22.752+/-0.005 χ^2/NDF: 4031169.1/26

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

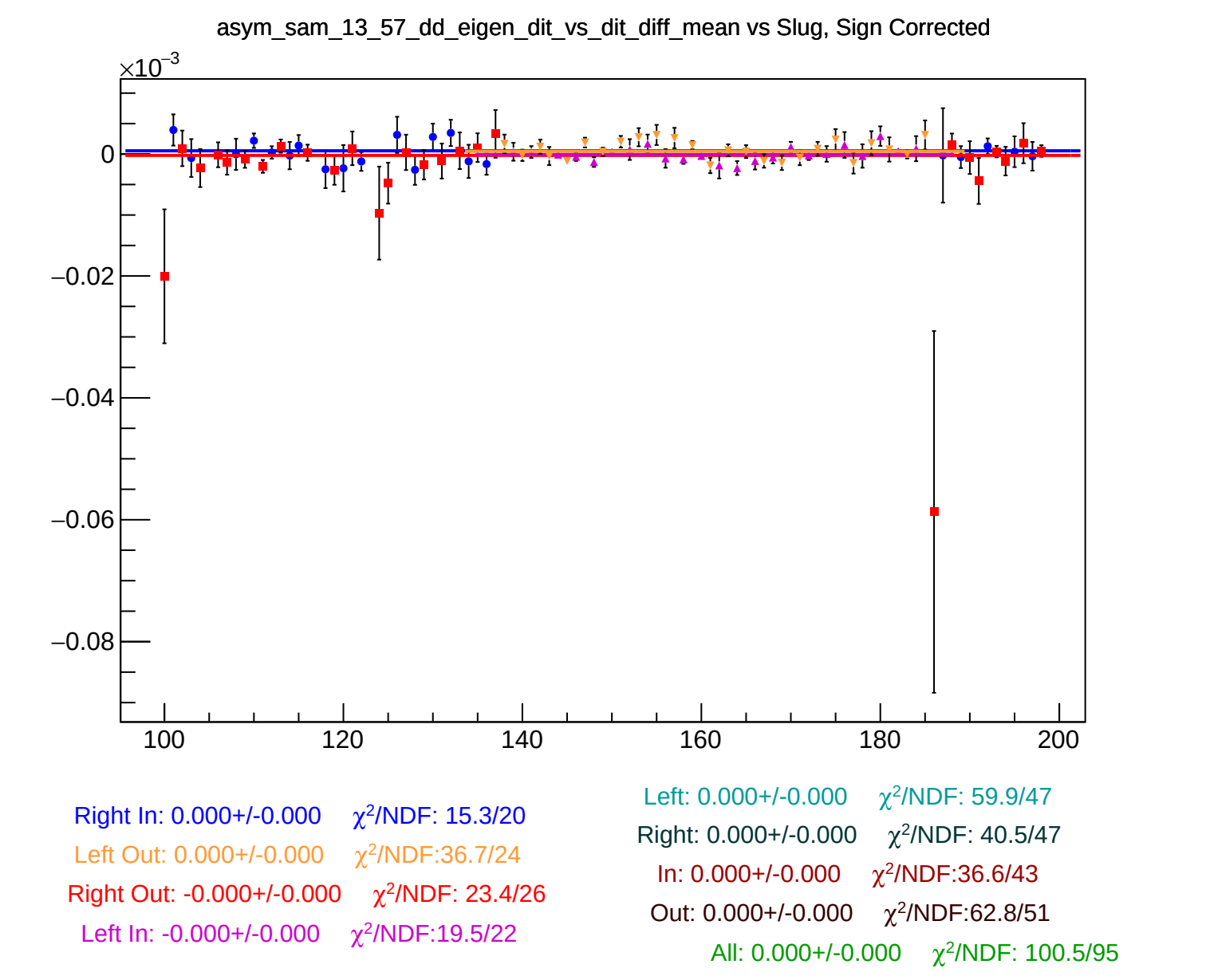
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

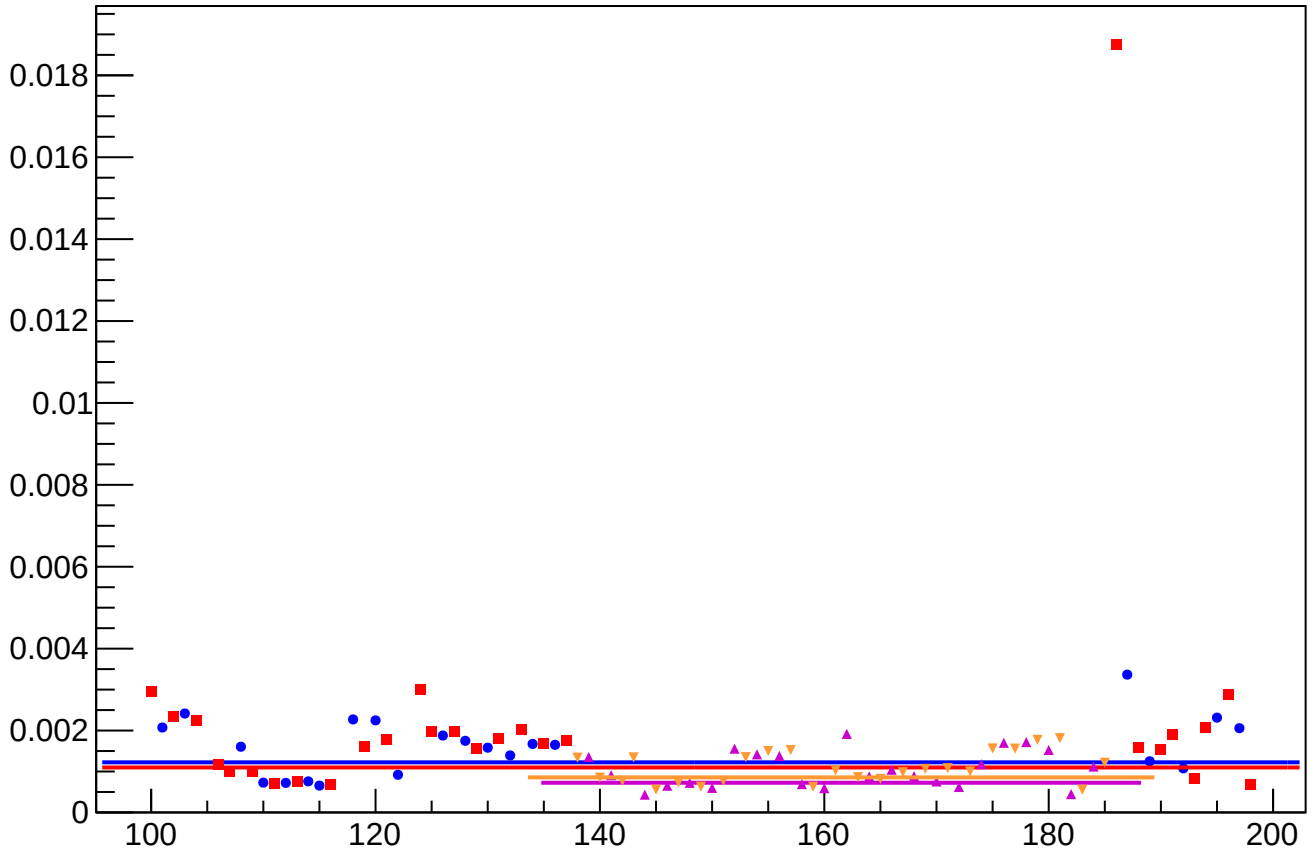
Right: 22.897+/-0.004 χ^2/NDF: 5953967.4/47

In: 21.199+/-0.003 χ^2/NDF:3261406.1/43

Out: 21.353+/-0.003 χ^2/NDF:5646484.2/51

All: 21.278+/-0.002 χ^2/NDF: 8909303.8/95


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 15.3/20
Left Out: 0.000+/-0.000 χ²/NDF:36.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 23.4/26
Left In: -0.000+/-0.000 χ²/NDF:19.5/22
Left: 0.000+/-0.000 χ²/NDF: 59.9/47
Right: 0.000+/-0.000 χ²/NDF: 40.5/47
In: 0.000+/-0.000 χ²/NDF:36.6/43
Out: 0.000+/-0.000 χ²/NDF:62.8/51
All: 0.000+/-0.000 χ²/NDF: 100.5/95



Right In: 0.001+/-0.000 χ^2/NDF: 3372057.8/20

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 5090838.0/26

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

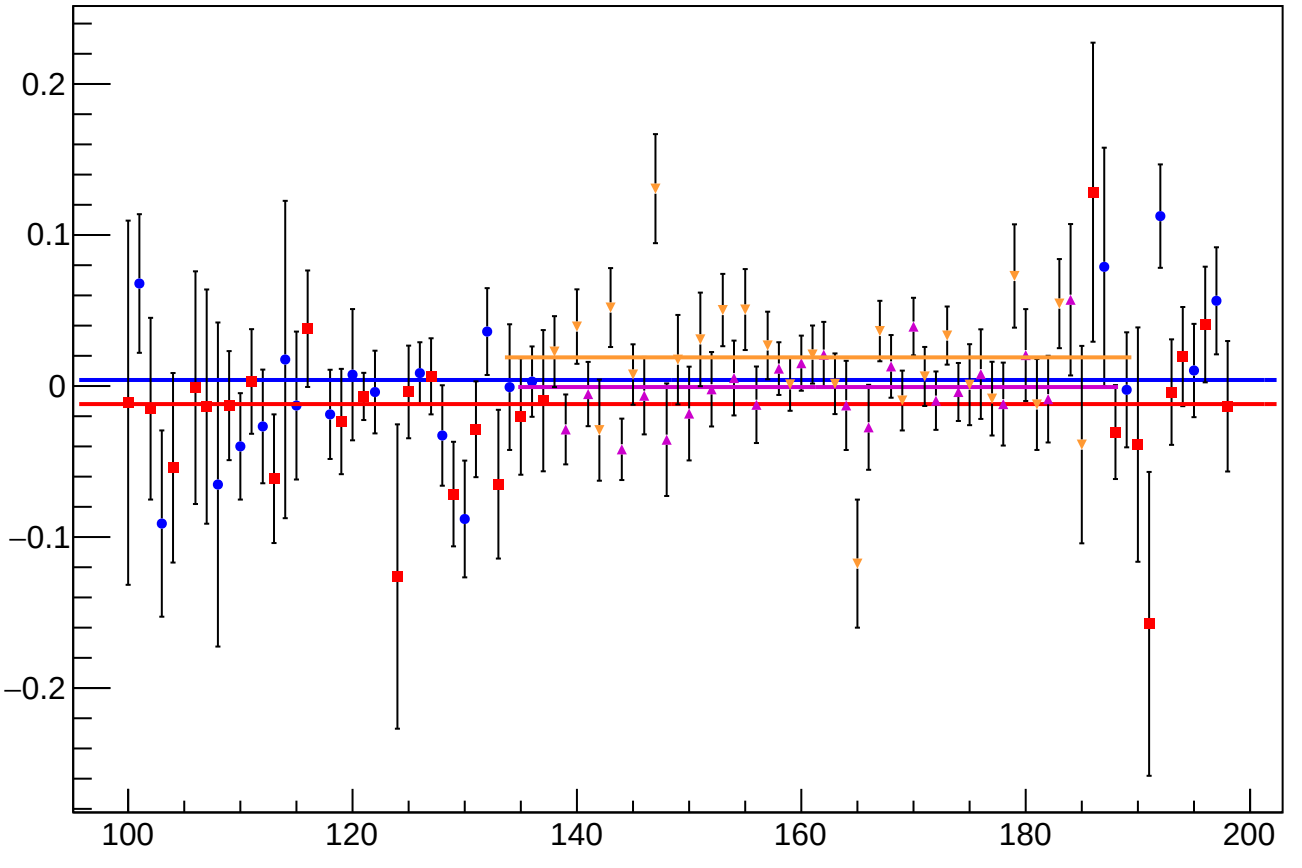
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 8565164.4/47

In: 0.001+/-0.000 χ^2/NDF:11512762.1/43

Out: 0.001+/-0.000 χ^2/NDF:10205888.2/51

All: 0.001+/-0.000 χ^2/NDF: 22112989.2/95



Right In: 0.004+/-0.008 χ^2/NDF: 29.2/20

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.012+/-0.007 χ^2/NDF: 17.7/26

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

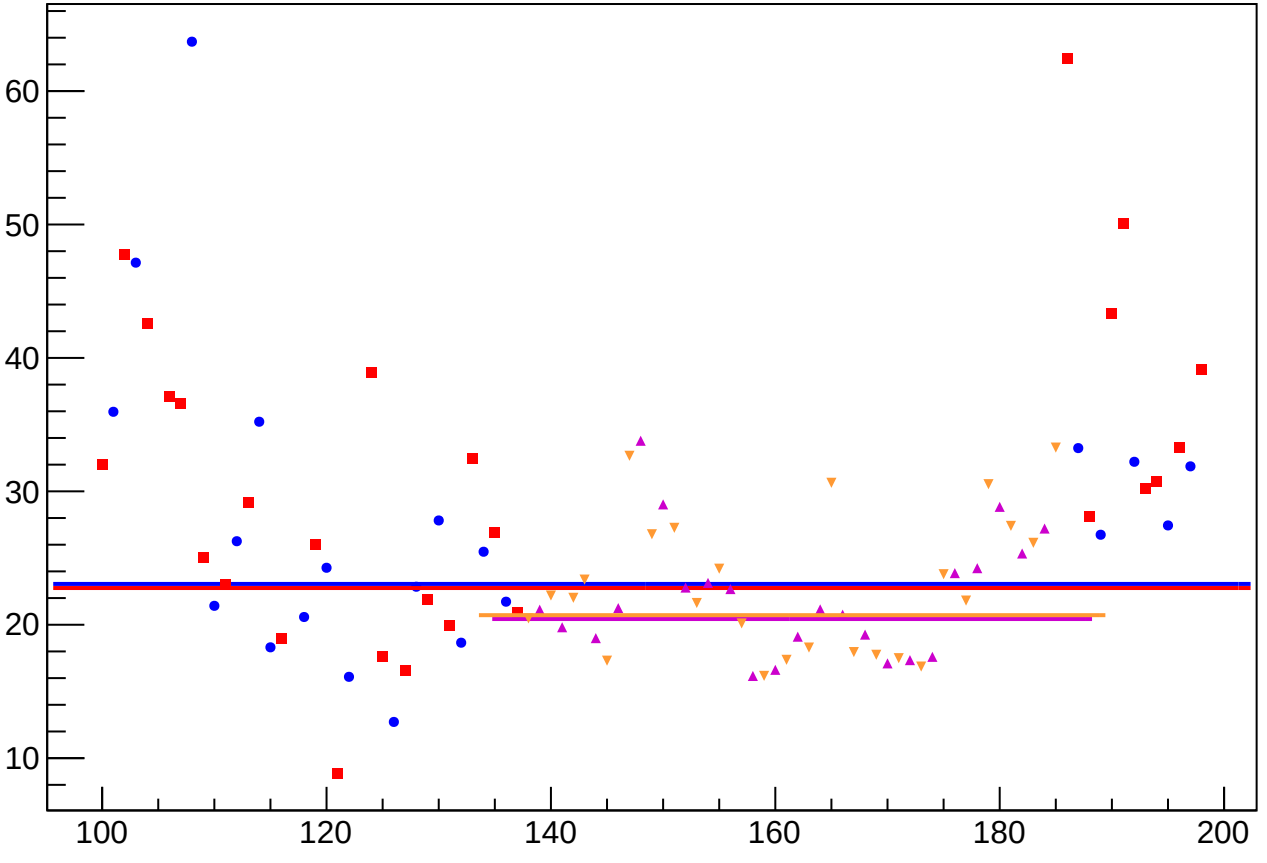
Right: -0.004+/-0.005 χ^2/NDF: 49.1/47

In: 0.001+/-0.004 χ^2/NDF:47.1/43

Out: 0.009+/-0.004 χ^2/NDF:71.4/51

All: 0.005+/-0.003 χ^2/NDF: 120.7/95

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.060+/-0.005 χ^2/NDF: 1920926.5/20

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 22.752+/-0.005 χ^2/NDF: 4030620.4/26

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

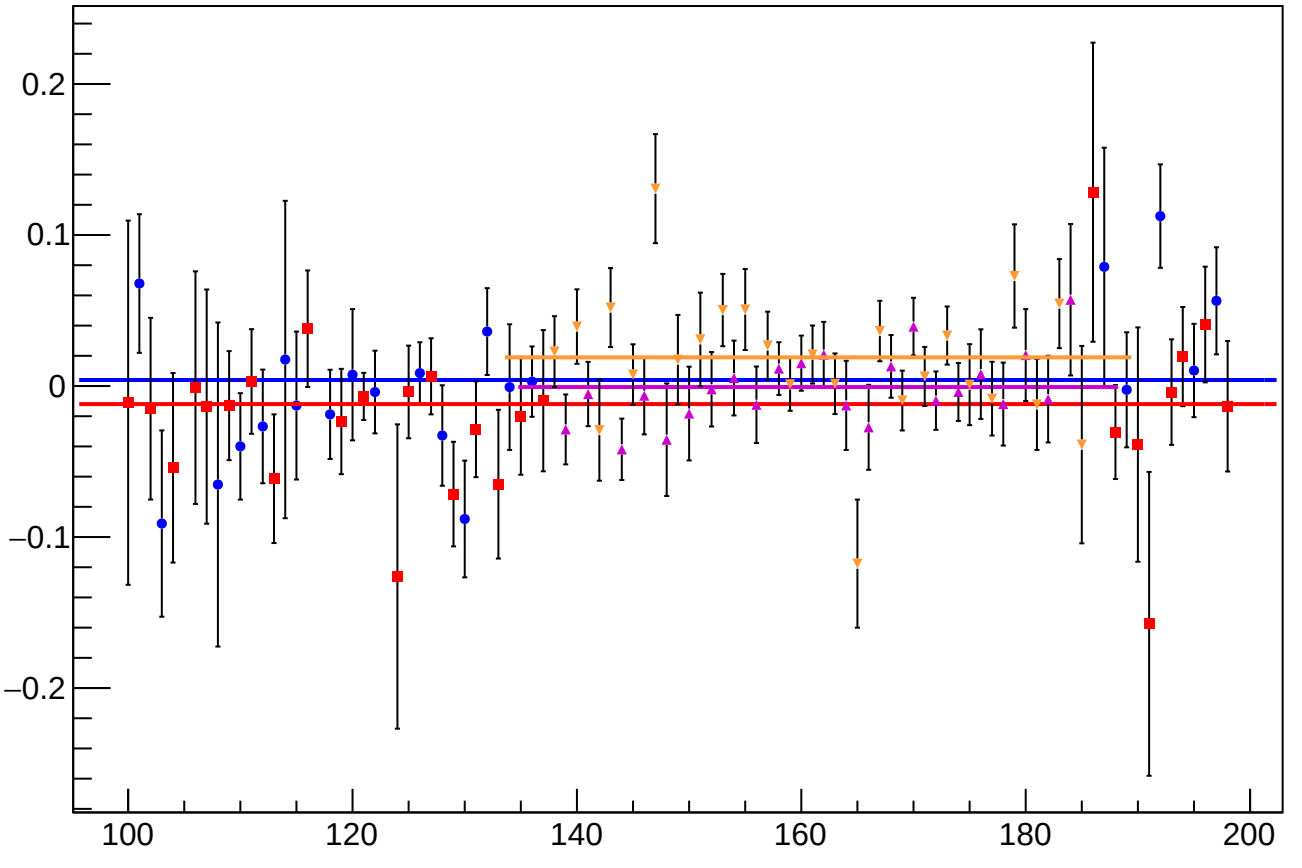
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 22.897+/-0.004 χ^2/NDF: 5953249.1/47

In: 21.199+/-0.003 χ^2/NDF:3261319.8/43

Out: 21.353+/-0.003 χ^2/NDF:5646104.1/51

All: 21.278+/-0.002 χ^2/NDF: 8908838.0/95



Right In: 0.004+/-0.008 χ^2/NDF: 29.2/20

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.012+/-0.007 χ^2/NDF: 17.7/26

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

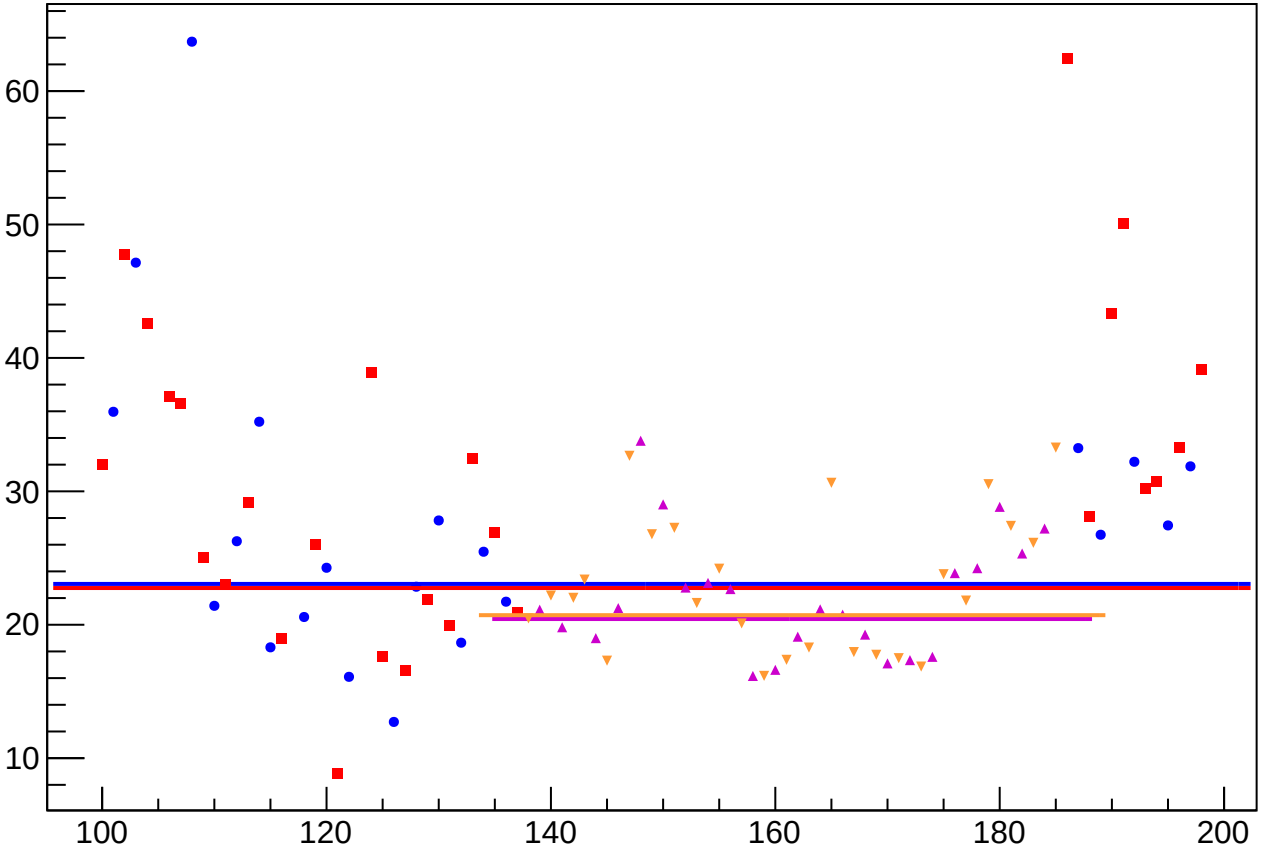
Right: -0.004+/-0.005 χ^2/NDF: 49.1/47

In: 0.001+/-0.004 χ^2/NDF:47.1/43

Out: 0.009+/-0.004 χ^2/NDF:71.4/51

All: 0.005+/-0.003 χ^2/NDF: 120.7/95

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.060+/-0.005 χ^2/NDF: 1920926.5/20

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 22.752+/-0.005 χ^2/NDF: 4030620.4/26

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

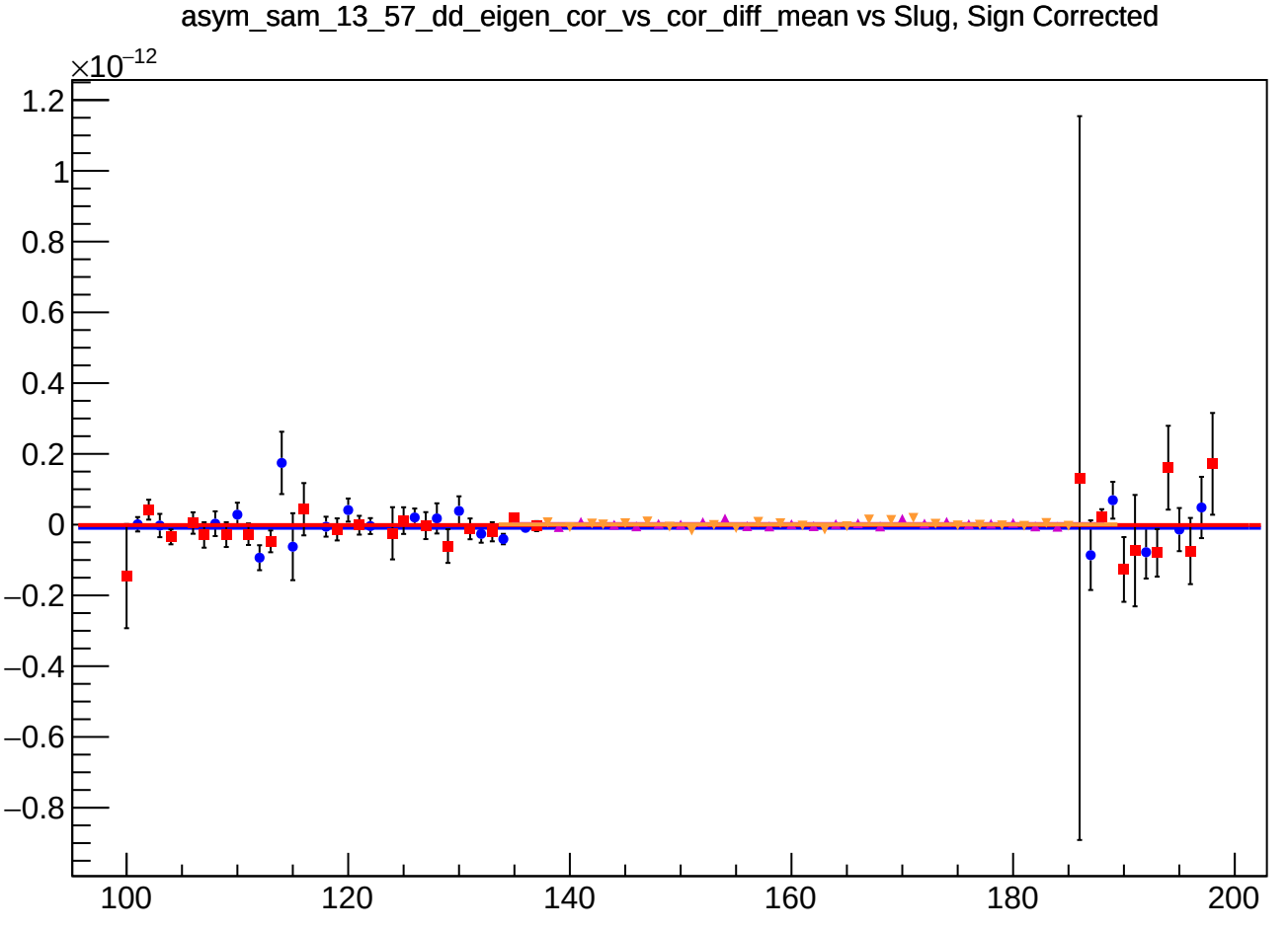
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 22.897+/-0.004 χ^2/NDF: 5953249.1/47

In: 21.199+/-0.003 χ^2/NDF:3261319.8/43

Out: 21.353+/-0.003 χ^2/NDF:5646104.1/51

All: 21.278+/-0.002 χ^2/NDF: 8908838.0/95



Right In: -0.000+/-0.000 χ^2/NDF: 26.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/26

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

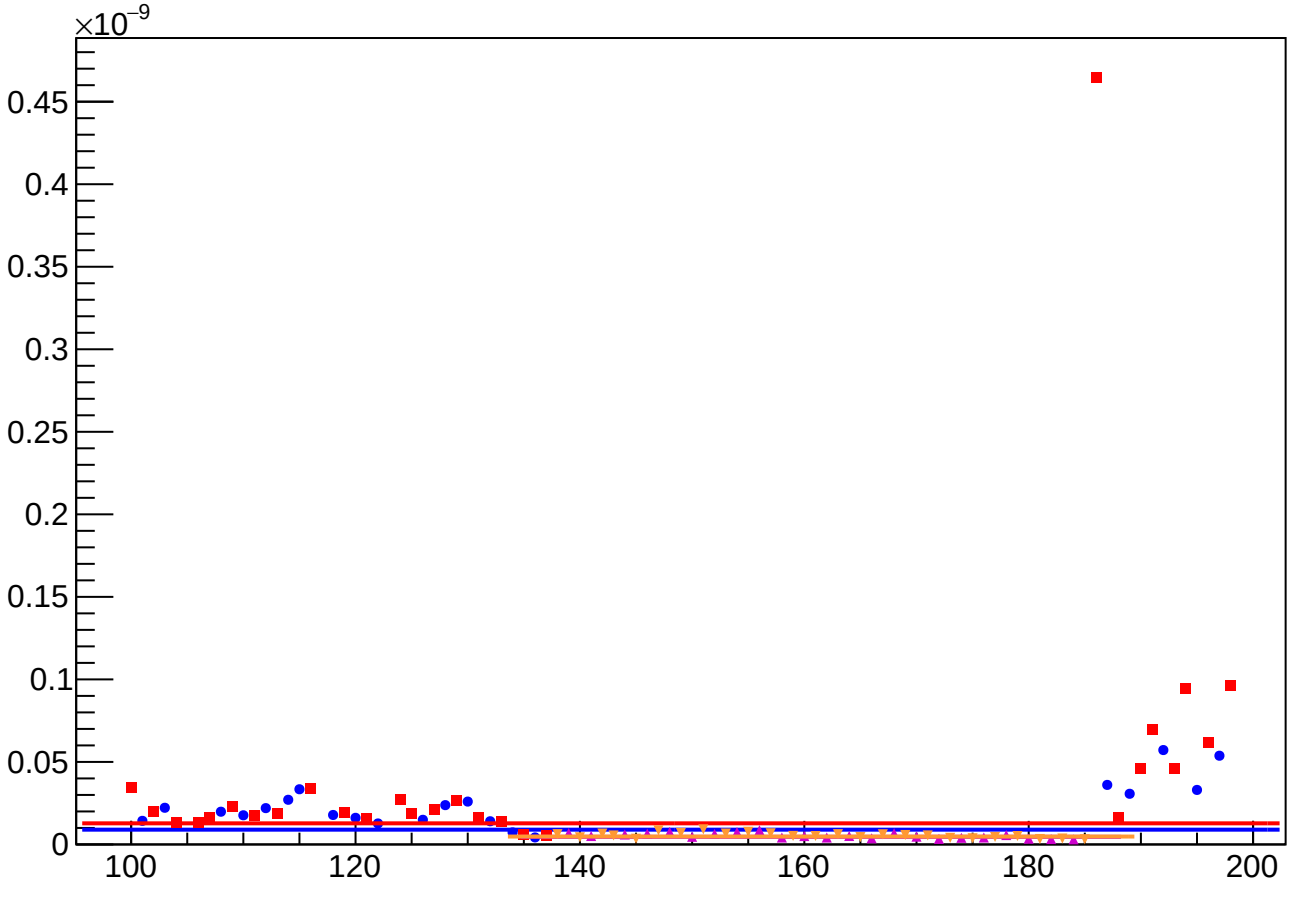
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: -0.000+/-0.000 χ^2/NDF: 53.2/47

In: 0.000+/-0.000 χ^2/NDF:52.4/43

Out: 0.000+/-0.000 χ^2/NDF:54.5/51

All: 0.000+/-0.000 χ^2/NDF: 106.8/95



Right In: 0.000+/-0.000 χ^2/NDF: 5961273.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6325706.1/26

Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

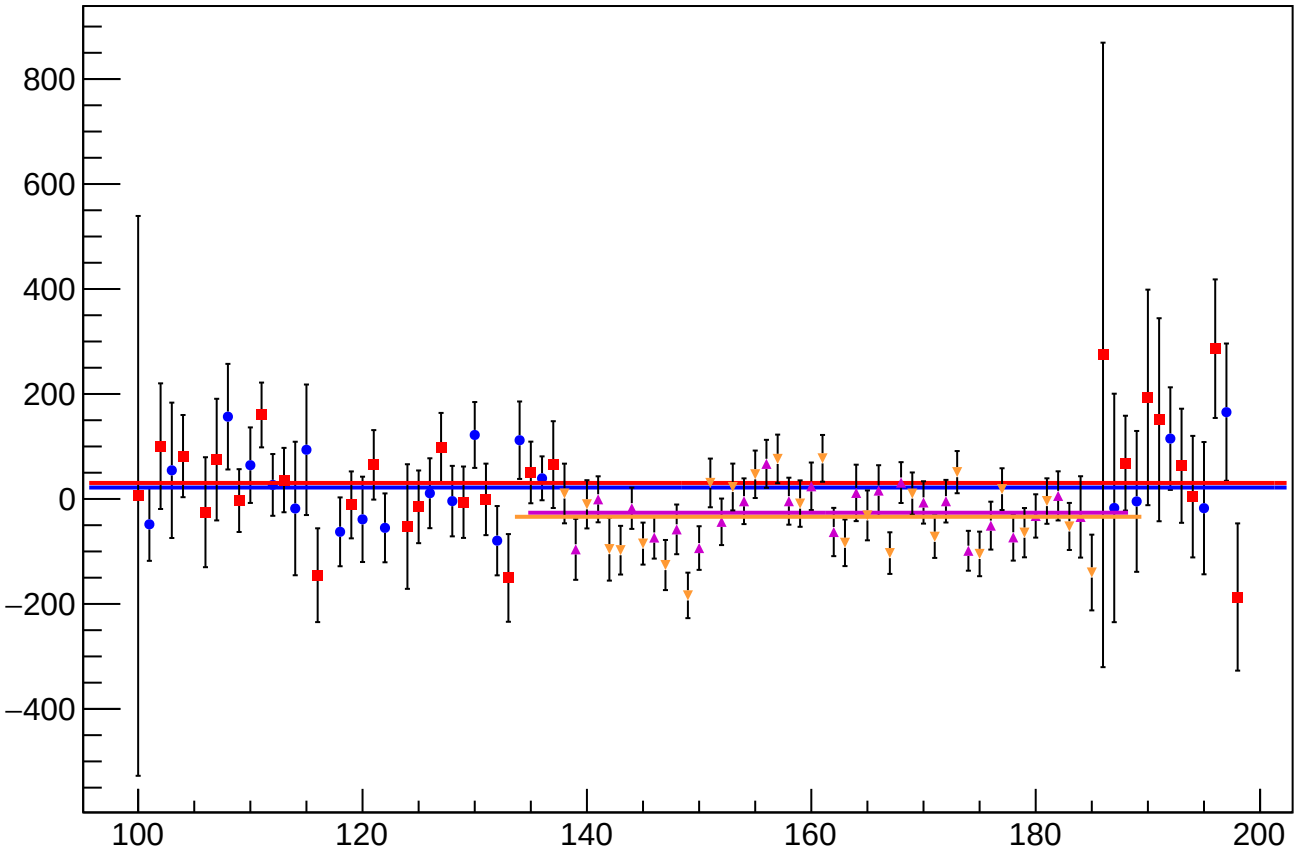
Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12880627.9/47

In: 0.000+/-0.000 χ^2/NDF:9623979.0/43

Out: 0.000+/-0.000 χ^2/NDF:12495344.5/51

All: 0.000+/-0.000 χ^2/NDF: 22162665.8/95



Right In: 21.788+/-16.715 χ^2/NDF: 16.3/20

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: 30.506+/-16.286 χ^2/NDF: 25.6/26

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

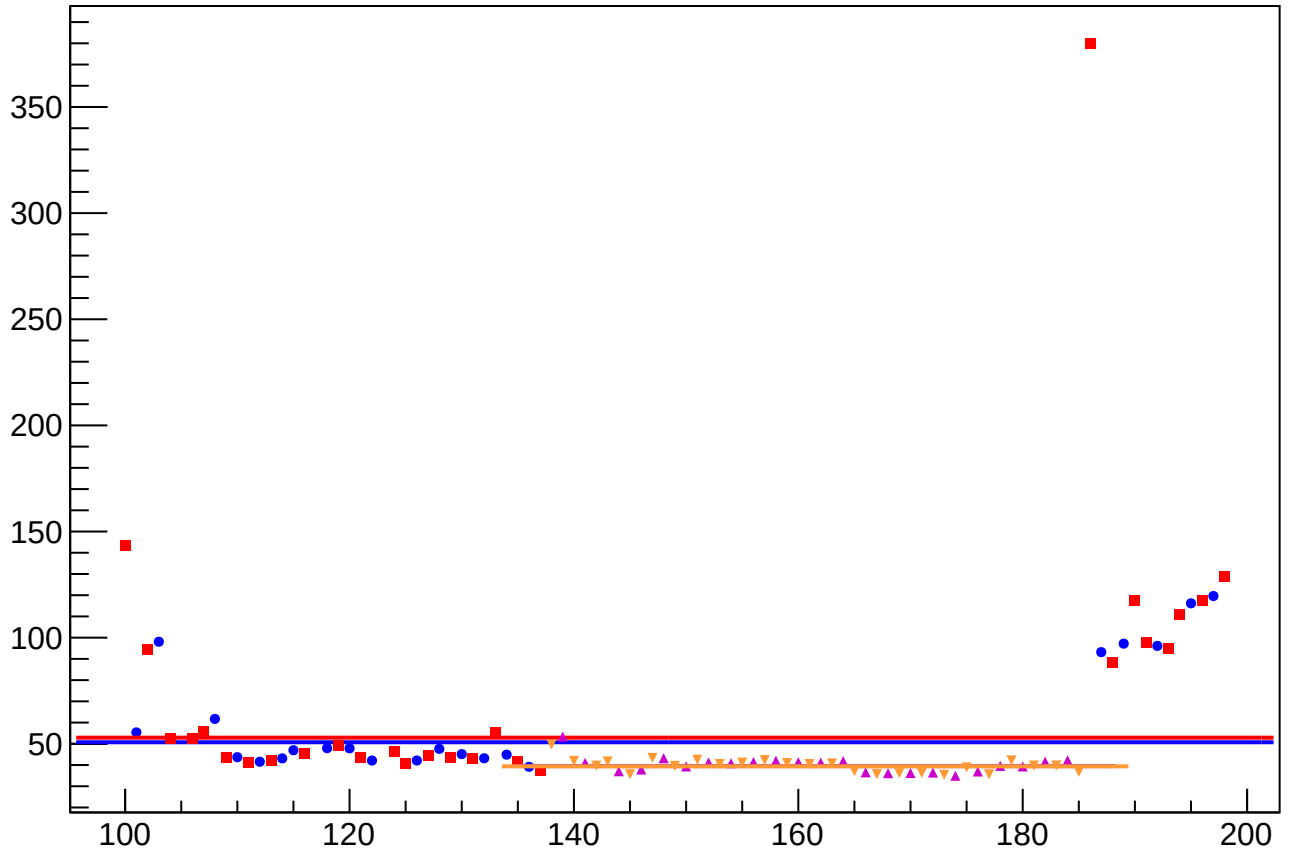
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 26.261+/-11.664 χ^2/NDF: 42.0/47

In: -14.960+/-8.108 χ^2/NDF:45.1/43

Out: -18.892+/-7.873 χ^2/NDF:96.3/51

All: -16.983+/-5.648 χ^2/NDF: 141.5/95



Right In: 50.726+/-0.012 χ^2/NDF: 2507415.9/20

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 52.888+/-0.012 χ^2/NDF: 3949857.2/26

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

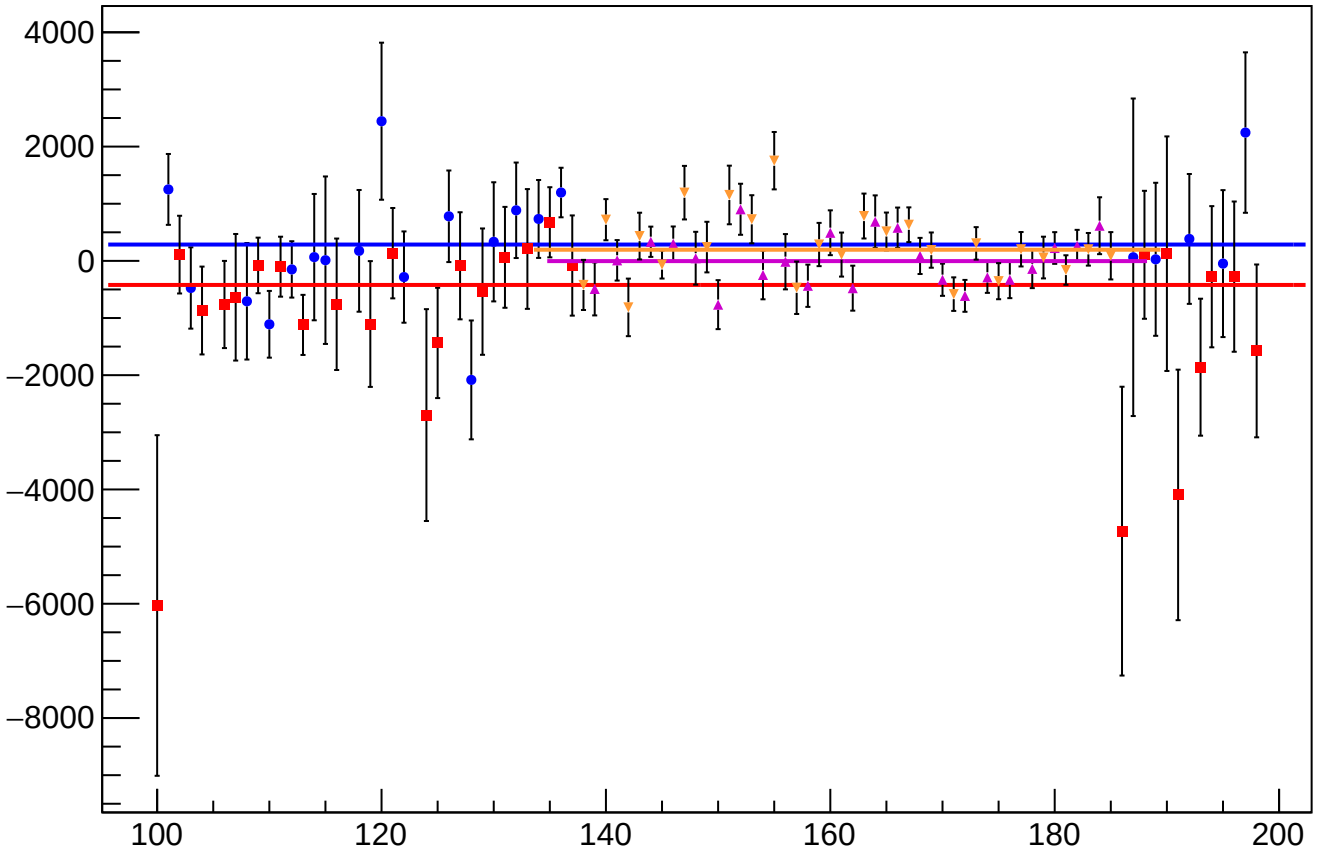
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 51.835+/-0.008 χ^2/NDF: 6474432.3/47

In: 42.134+/-0.006 χ^2/NDF:3450298.7/43

Out: 42.539+/-0.006 χ^2/NDF:5232663.2/51

All: 42.343+/-0.004 χ^2/NDF: 8685520.1/95



Right In: 285.812+/-177.539 χ^2/NDF: 27.1/20

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: -421.078+/-170.502 χ^2/NDF: 23.1/26

Left In: -4.015+/-71.981 χ^2/NDF:32.4/22

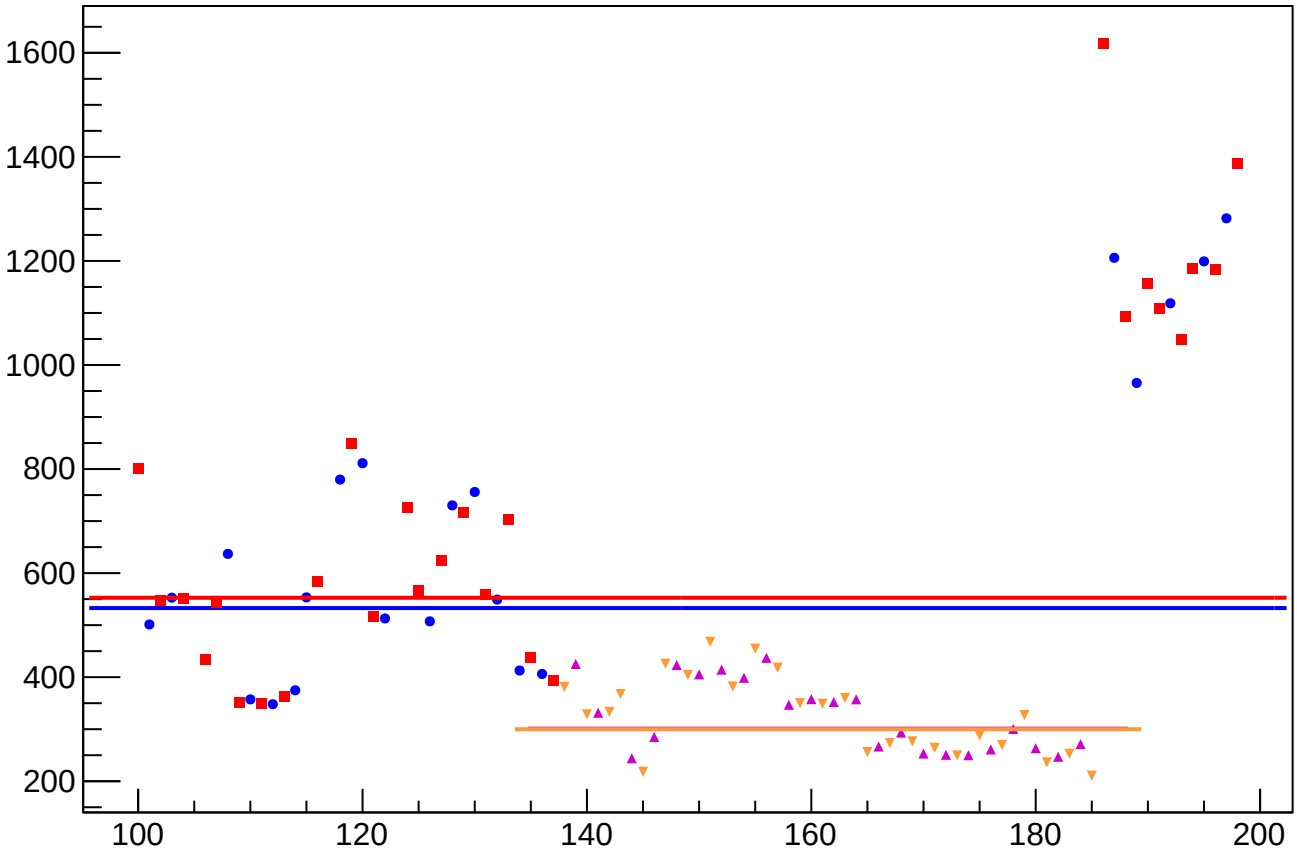
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -81.919+/-122.975 χ^2/NDF: 58.4/47

In: 36.901+/-66.707 χ^2/NDF:61.7/43

Out: 105.959+/-64.828 χ^2/NDF:82.9/51

All: 72.416+/-46.491 χ^2/NDF: 145.2/95



Right In: 532.869+/-0.126 χ^2/NDF: 3084789.9/20

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 552.634+/-0.121 χ^2/NDF: 4428358.8/26

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

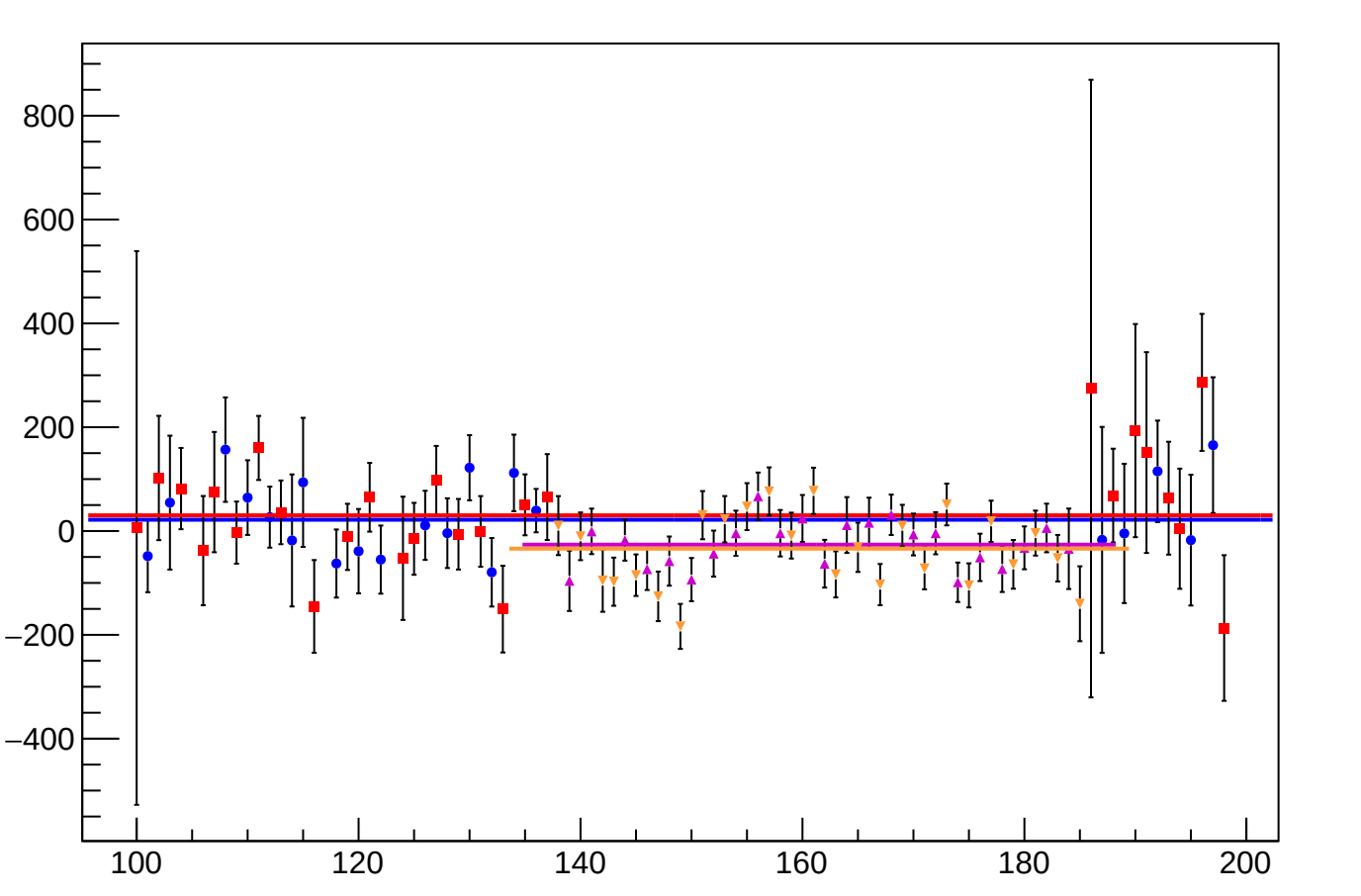
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

Right: 543.151+/-0.087 χ^2/NDF: 7526043.3/47

In: 333.734+/-0.047 χ^2/NDF:7421783.7/43

Out: 336.503+/-0.046 χ^2/NDF:9993656.5/51

All: 335.158+/-0.033 χ^2/NDF: 17417212.8/95



Right In: 21.793+/-16.715 χ^2/NDF: 16.3/20

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 30.249+/-16.288 χ^2/NDF: 25.7/26

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

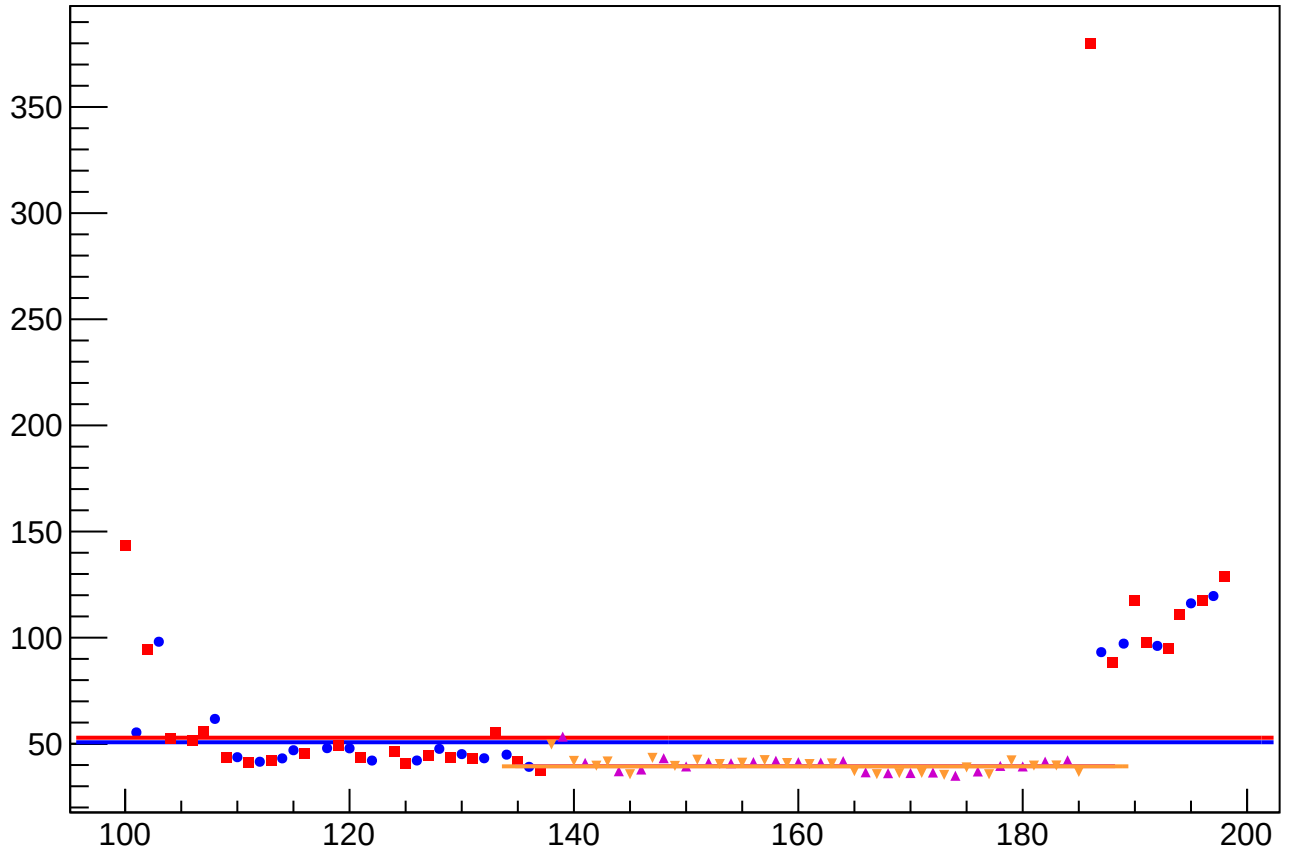
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 26.130+/-11.665 χ^2/NDF: 42.2/47

In: -14.959+/-8.108 χ^2/NDF:45.1/43

Out: -18.954+/-7.873 χ^2/NDF:96.4/51

All: -17.015+/-5.648 χ^2/NDF: 141.6/95



Right In: 50.726+/-0.012 χ^2/NDF: 2507418.9/20

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 52.869+/-0.012 χ^2/NDF: 3950321.2/26

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

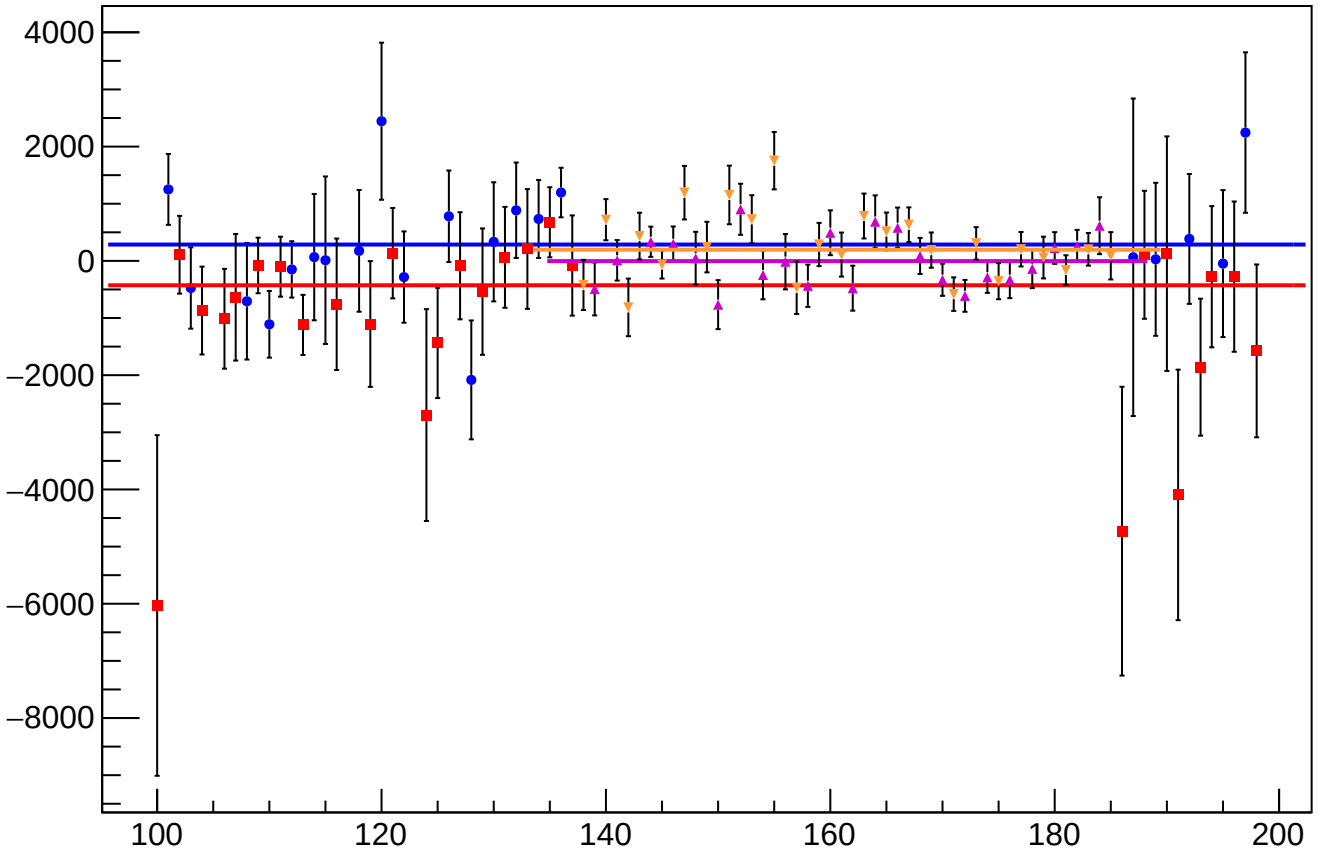
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 51.825+/-0.008 χ^2/NDF: 6474590.2/47

In: 42.134+/-0.006 χ^2/NDF:3450301.6/43

Out: 42.534+/-0.006 χ^2/NDF:5229909.8/51

All: 42.340+/-0.004 χ^2/NDF: 8682705.6/95



Right In: 285.817+/-177.540 χ^2/NDF: 27.1/20

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -426.861+/-171.526 χ^2/NDF: 23.4/26

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

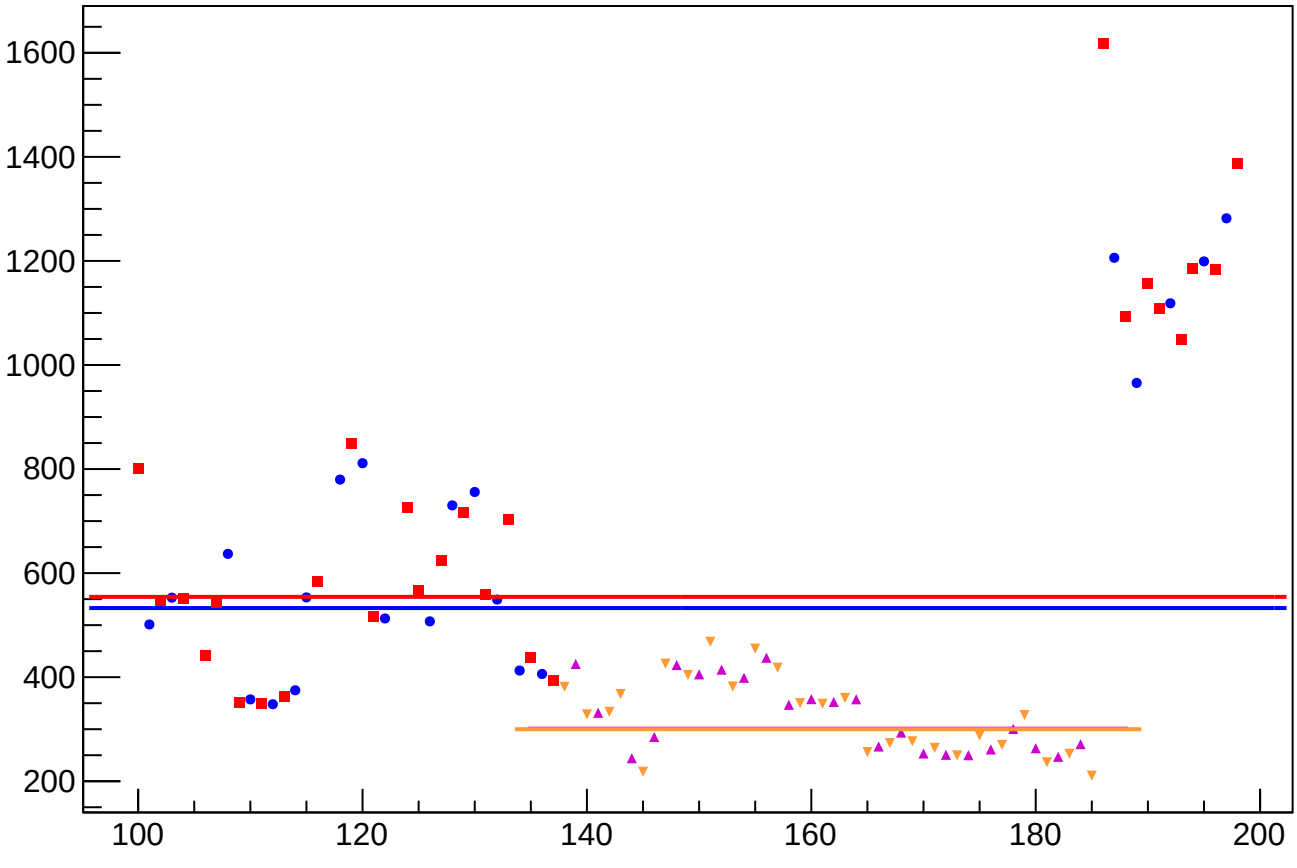
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -82.795+/-123.359 χ^2/NDF: 58.8/47

In: 36.902+/-66.707 χ^2/NDF:61.7/43

Out: 106.040+/-64.884 χ^2/NDF:83.3/51

All: 72.428+/-46.511 χ^2/NDF: 145.5/95



Right In: 532.872+/-0.126 χ^2/NDF: 3084802.4/20

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 554.359+/-0.121 χ^2/NDF: 4412322.1/26

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

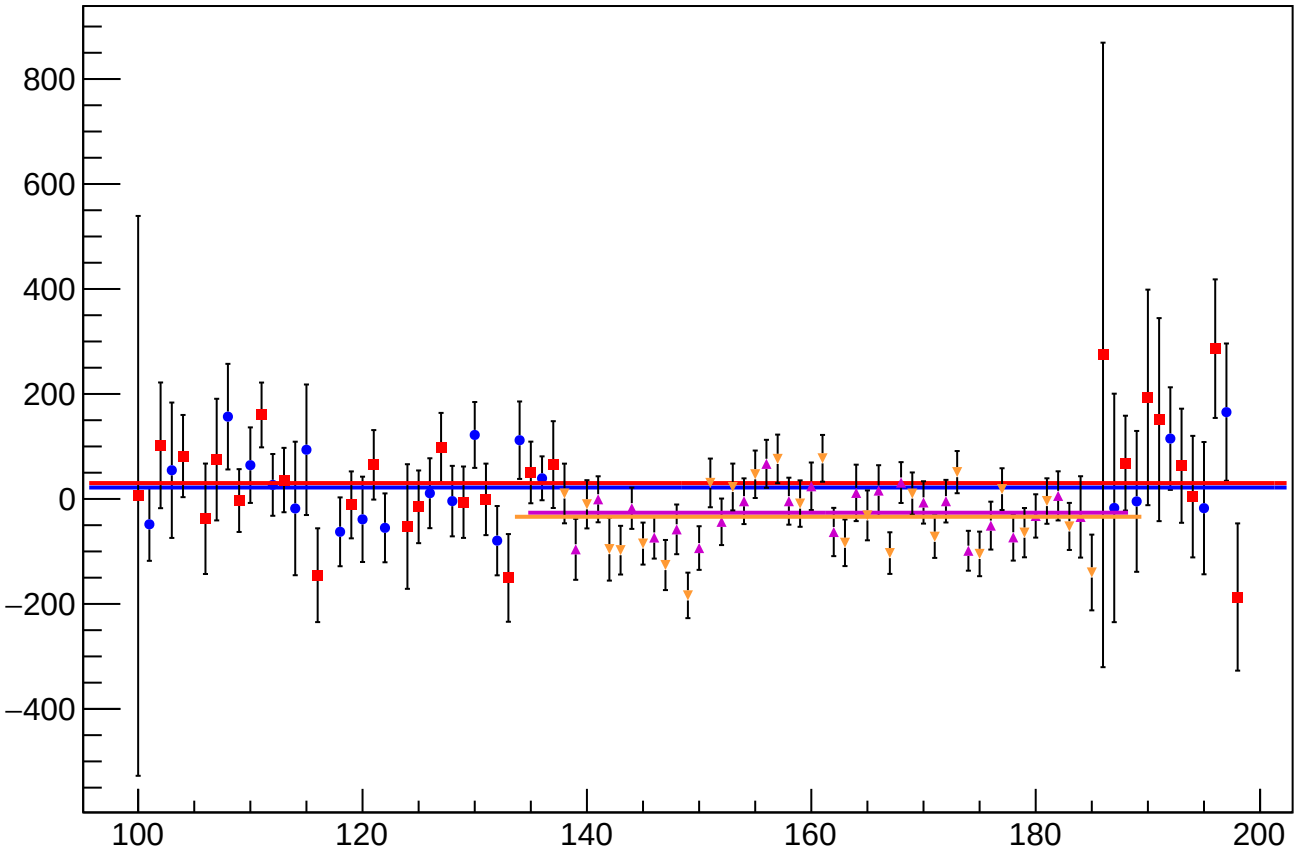
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 543.985+/-0.087 χ^2/NDF: 7512276.7/47

In: 333.734+/-0.047 χ^2/NDF:7421844.9/43

Out: 336.377+/-0.046 χ^2/NDF:9990215.2/51

All: 335.092+/-0.033 χ^2/NDF: 17413673.8/95



Right In: 21.793+/-16.715 χ^2/NDF: 16.3/20

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 30.249+/-16.288 χ^2/NDF: 25.7/26

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

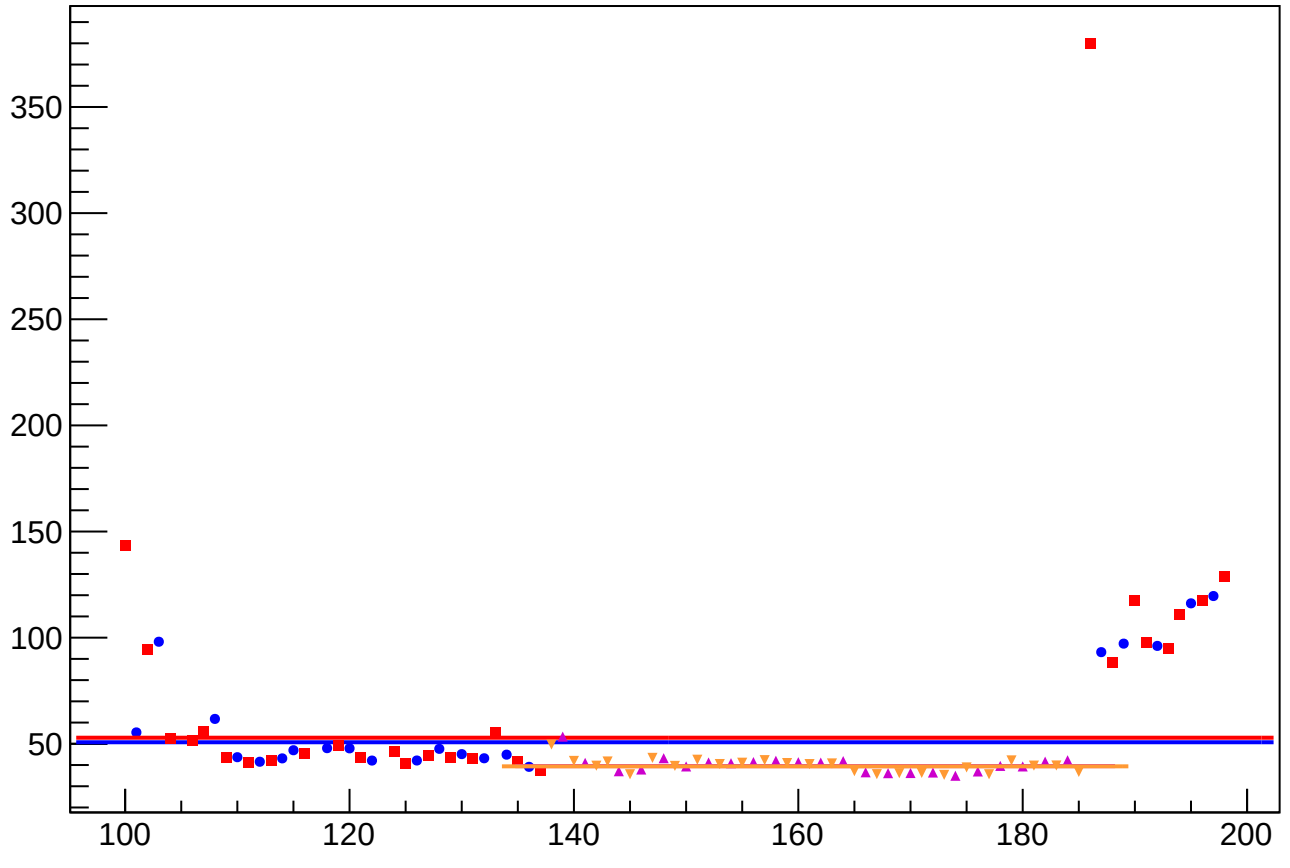
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 26.130+/-11.665 χ^2/NDF: 42.2/47

In: -14.959+/-8.108 χ^2/NDF:45.1/43

Out: -18.954+/-7.873 χ^2/NDF:96.4/51

All: -17.015+/-5.648 χ^2/NDF: 141.6/95



Right In: 50.726+/-0.012 χ^2/NDF: 2507418.9/20

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 52.869+/-0.012 χ^2/NDF: 3950321.2/26

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

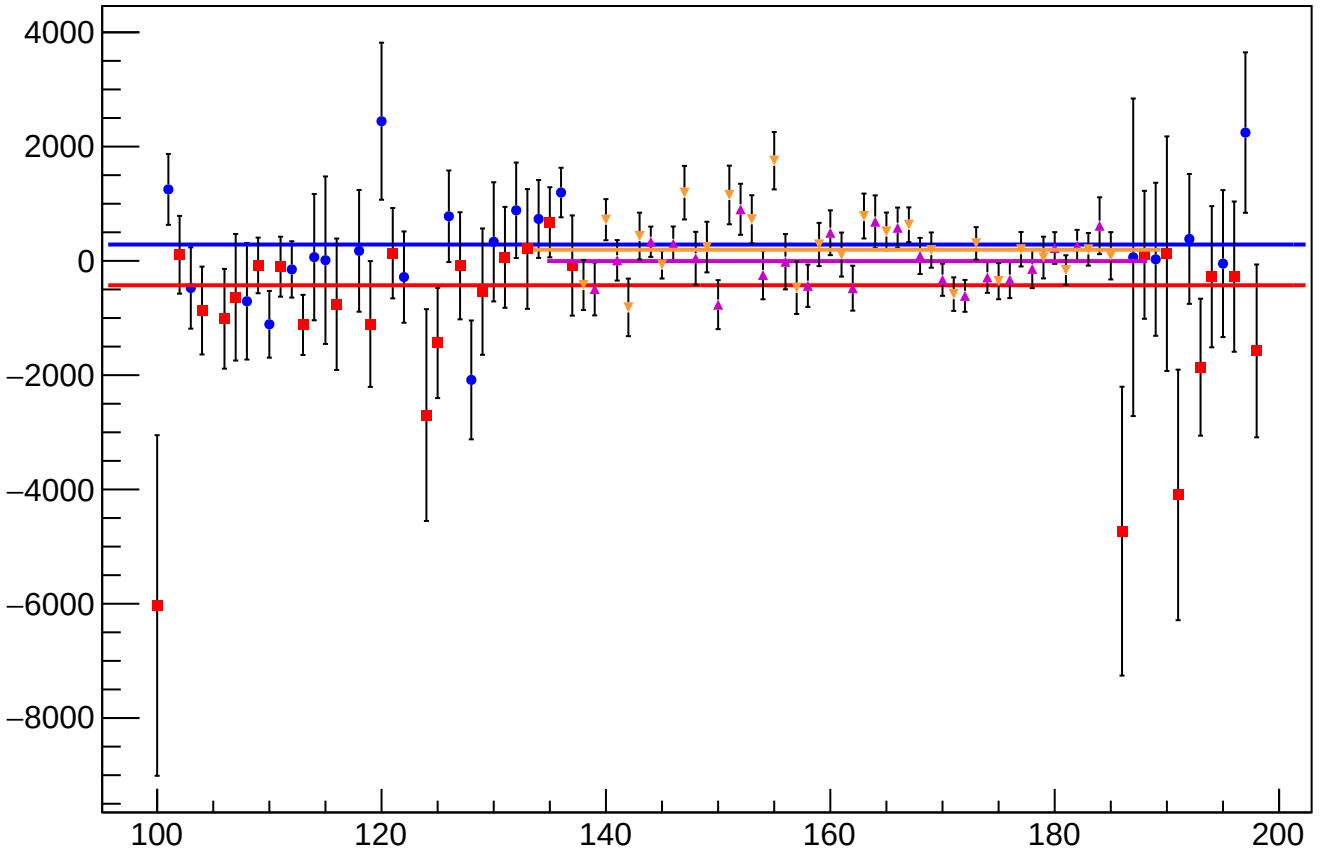
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 51.825+/-0.008 χ^2/NDF: 6474590.2/47

In: 42.134+/-0.006 χ^2/NDF:3450301.6/43

Out: 42.534+/-0.006 χ^2/NDF:5229909.8/51

All: 42.340+/-0.004 χ^2/NDF: 8682705.6/95



Right In: 285.817+/-177.540 χ^2/NDF: 27.1/20

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -426.861+/-171.526 χ^2/NDF: 23.4/26

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

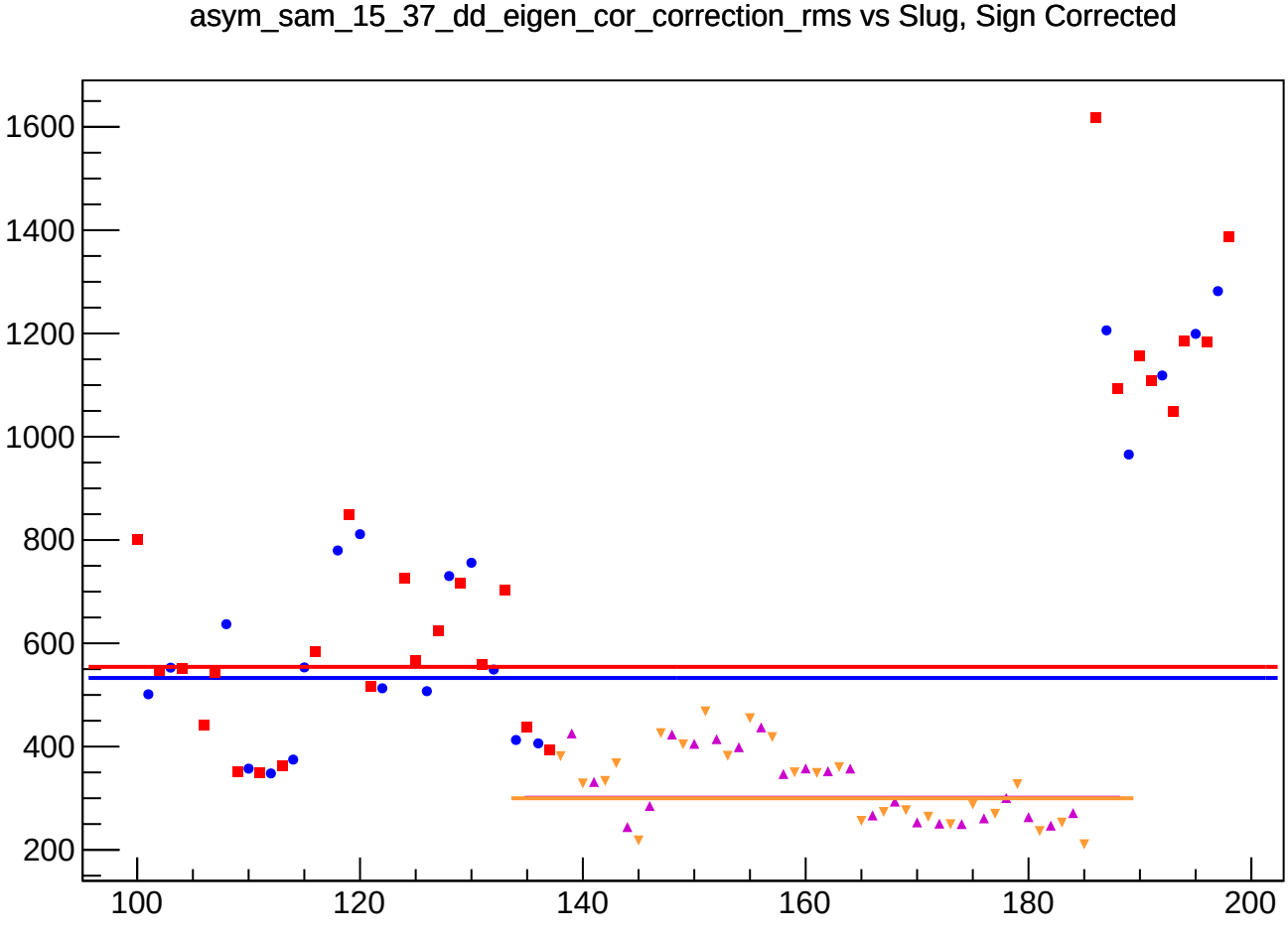
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -82.795+/-123.359 χ^2/NDF: 58.8/47

In: 36.902+/-66.707 χ^2/NDF:61.7/43

Out: 106.040+/-64.884 χ^2/NDF:83.3/51

All: 72.428+/-46.511 χ^2/NDF: 145.5/95



Right In: 532.872+/-0.126 χ^2/NDF: 3084802.4/20

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 554.359+/-0.121 χ^2/NDF: 4412322.1/26

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

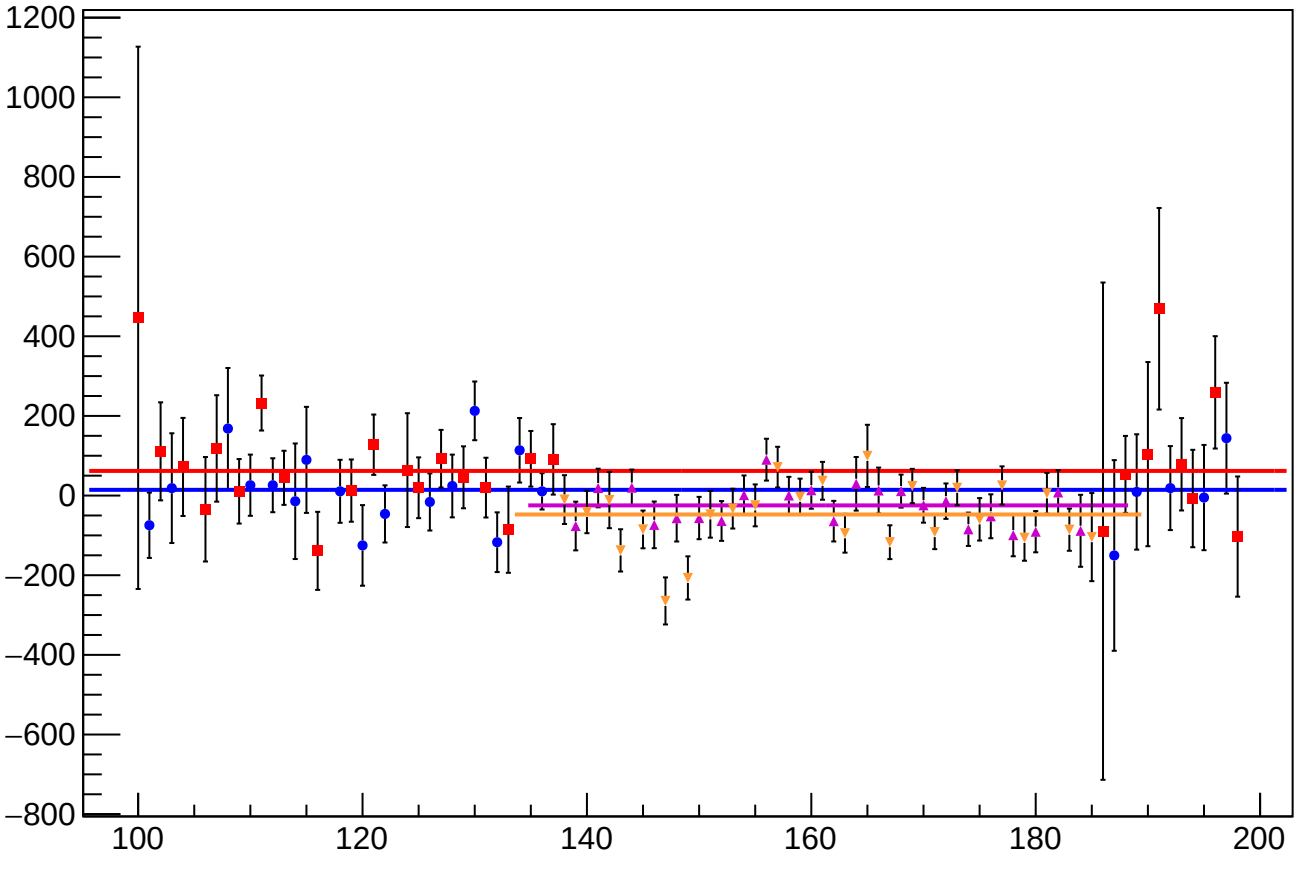
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

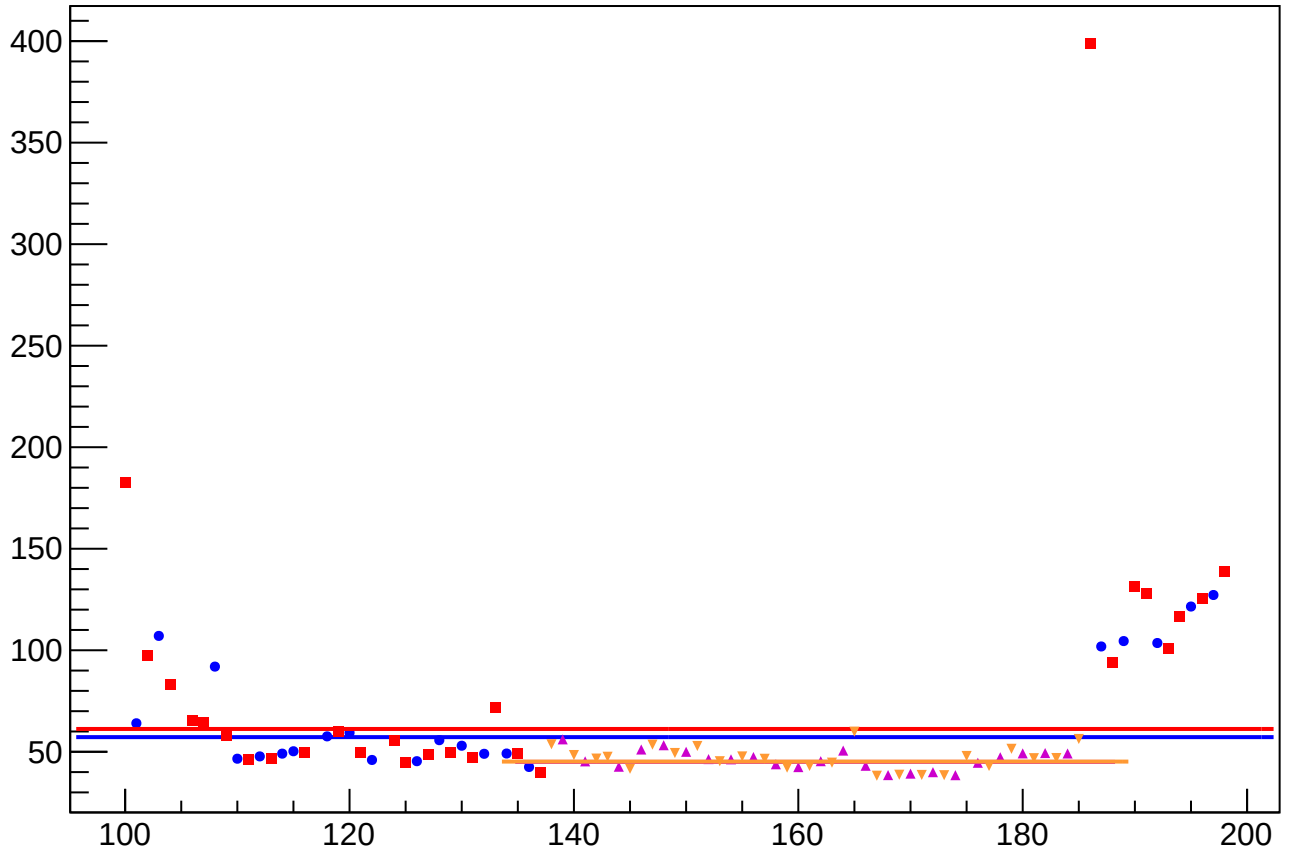
Right: 543.985+/-0.087 χ^2/NDF: 7512276.7/47

In: 333.734+/-0.047 χ^2/NDF:7421844.9/43

Out: 336.377+/-0.046 χ^2/NDF:9990215.2/51

All: 335.092+/-0.033 χ^2/NDF: 17413673.8/95


dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
1200
1000
800
600
400
200
0
−200
−400
−600
−800
100
120
140
160
180
200
Right In: 14.392+/-18.891 χ²/NDF: 18.6/20
Left Out: -47.480+/-10.392 χ²/NDF:54.7/24
Right Out: 61.894+/-18.825 χ²/NDF: 22.3/26
Left In: -24.687+/-10.660 χ²/NDF:19.7/22
Left: -36.373+/-7.441 χ²/NDF: 76.7/47
Right: 38.226+/-13.335 χ²/NDF: 44.1/47
In: -15.249+/-9.284 χ²/NDF:41.5/43
Out: -21.934+/-9.098 χ²/NDF:102.8/51
All: -18.659+/-6.498 χ²/NDF: 144.7/95



Right In: 57.220+/-0.013 χ^2/NDF: 2482427.8/20

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 61.243+/-0.013 χ^2/NDF: 3770290.3/26

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

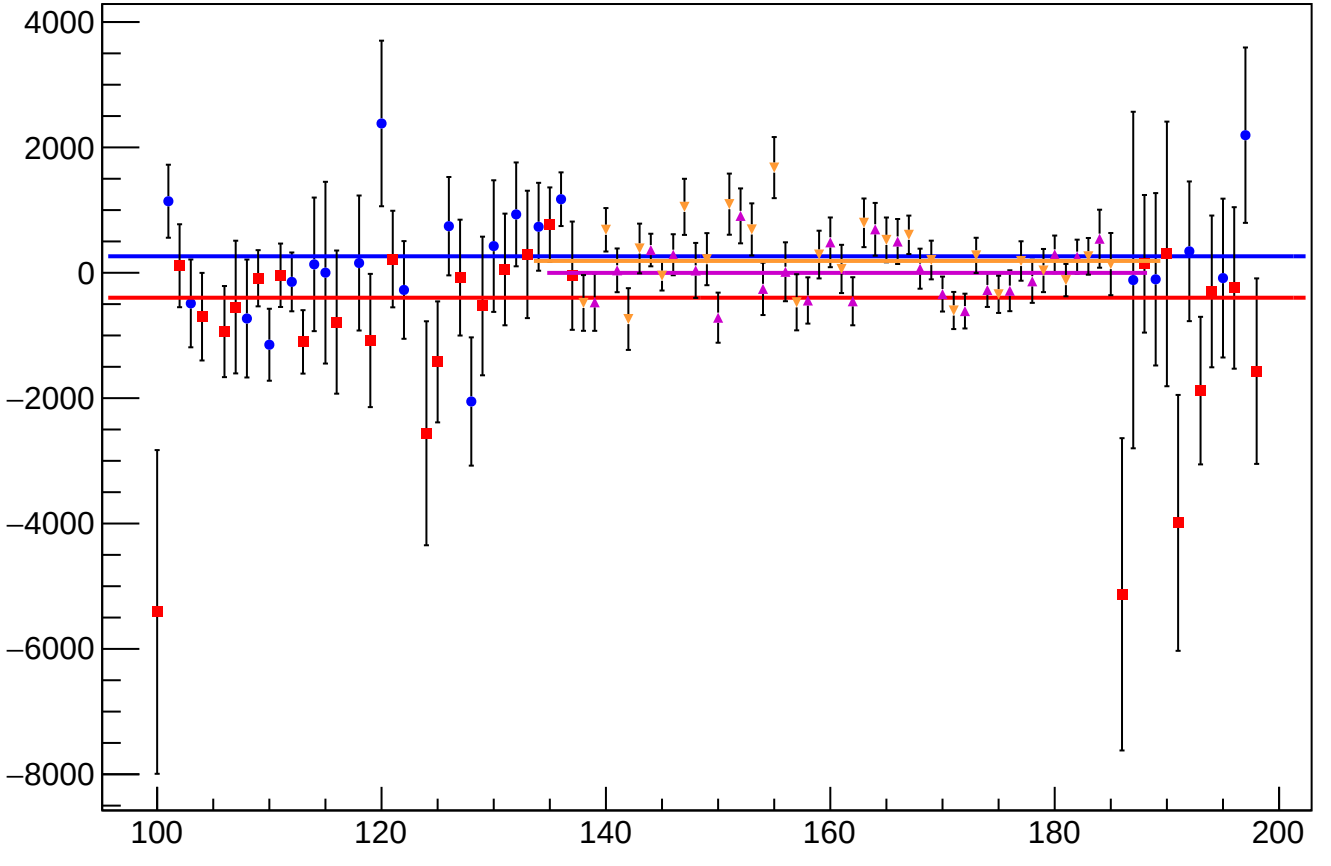
Right: 59.238+/-0.009 χ^2/NDF: 6298225.2/47

In: 47.964+/-0.007 χ^2/NDF:3488065.6/43

Out: 48.928+/-0.006 χ^2/NDF:5376843.8/51

All: 48.456+/-0.005 χ^2/NDF: 8875894.4/95

asym_sam_15_37_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 263.071+/-173.619 χ^2/NDF: 27.7/20

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: -397.813+/-164.201 χ^2/NDF: 25.9/26

Left In: -1.655+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

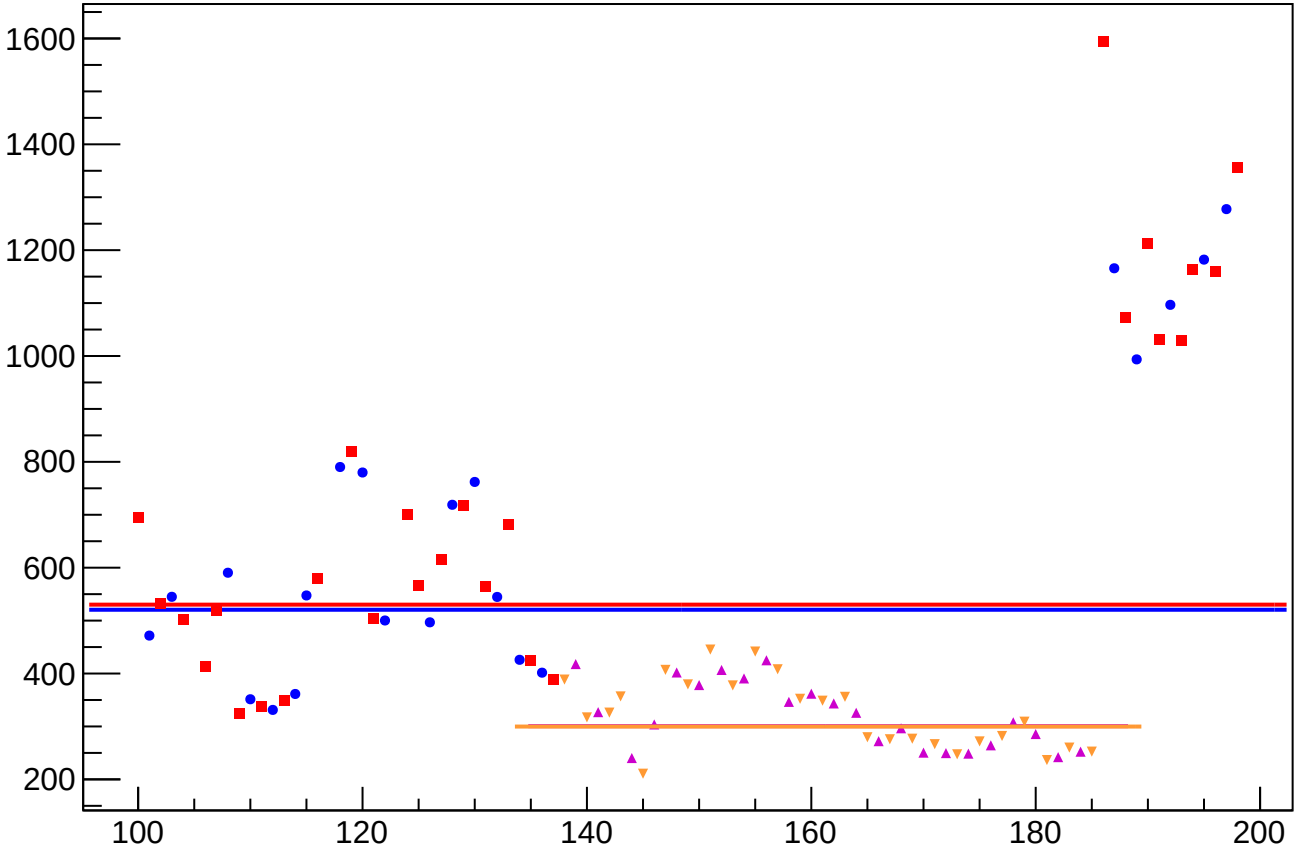
Right: -85.781+/-119.298 χ^2/NDF: 61.3/47

In: 36.927+/-66.281 χ^2/NDF:61.9/43

Out: 99.220+/-64.170 χ^2/NDF:83.5/51

All: 69.081+/-46.103 χ^2/NDF: 145.9/95

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 520.510+/-0.123 χ^2/NDF: 3169526.6/20

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 530.166+/-0.116 χ^2/NDF: 4634163.7/26

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

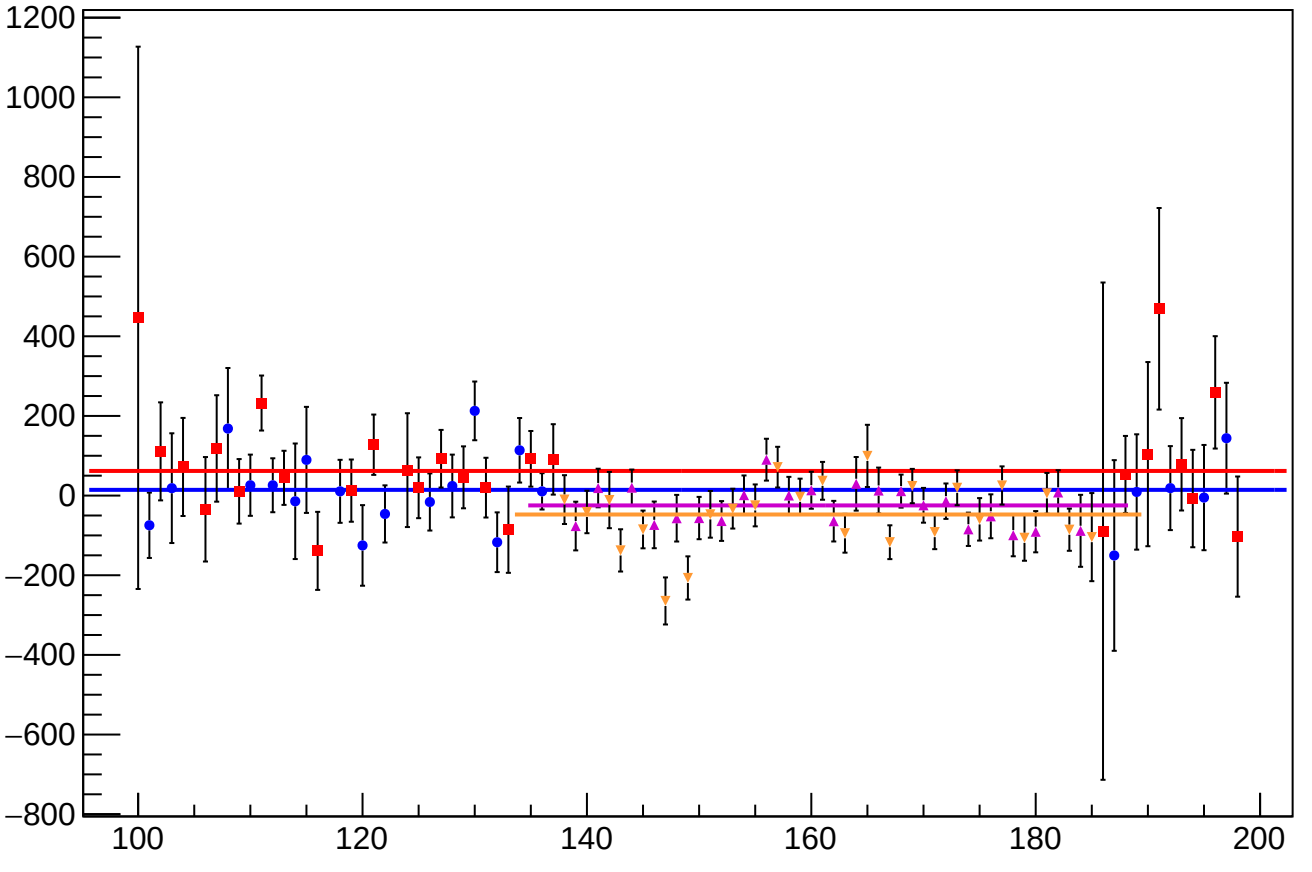
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 525.607+/-0.084 χ^2/NDF: 7806956.2/47

In: 332.602+/-0.047 χ^2/NDF:7171224.7/43

Out: 334.981+/-0.045 χ^2/NDF:9546976.7/51

All: 333.830+/-0.033 χ^2/NDF: 16719531.2/95



Right In: 14.392+/-18.891 χ^2/NDF: 18.6/20

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 61.895+/-18.825 χ^2/NDF: 22.3/26

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

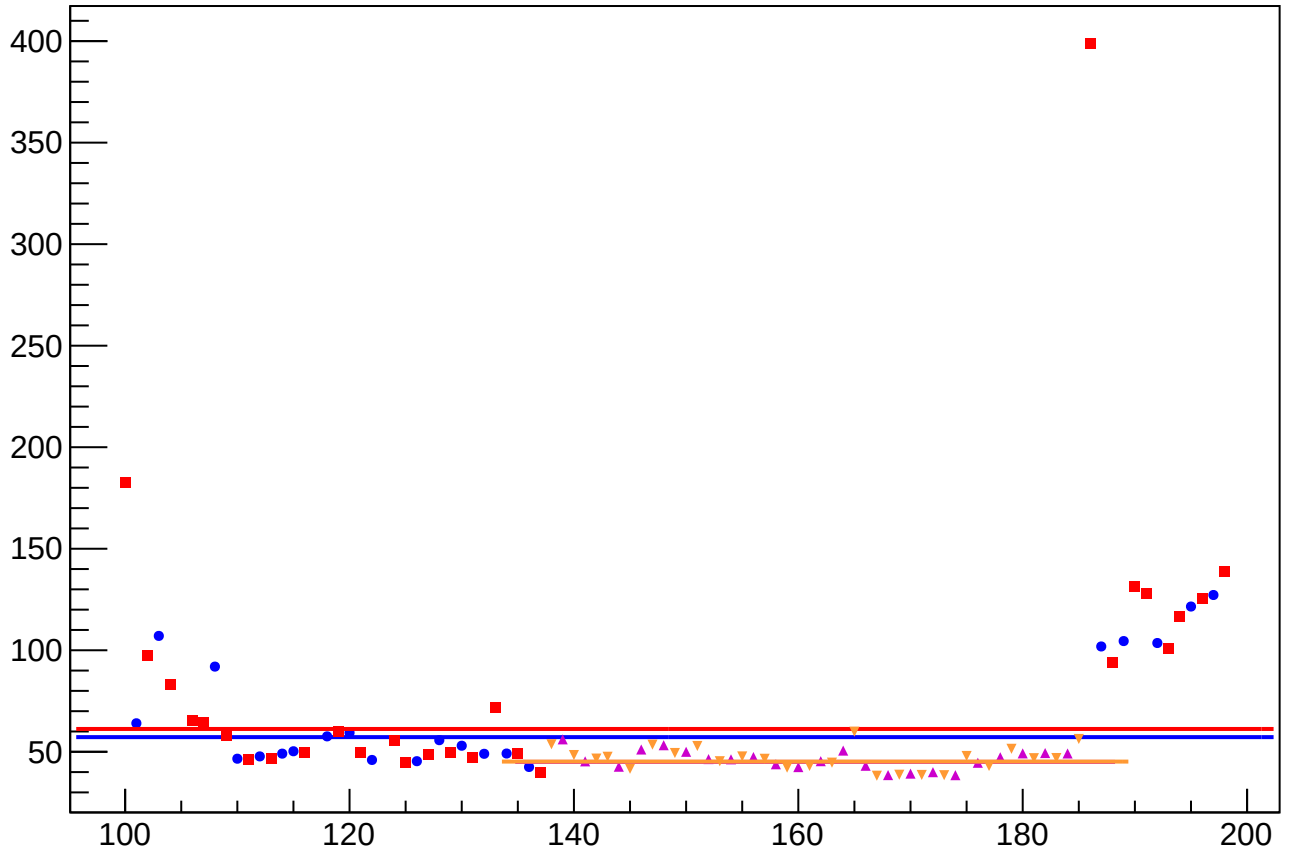
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 38.226+/-13.335 χ^2/NDF: 44.1/47

In: -15.249+/-9.284 χ^2/NDF:41.5/43

Out: -21.934+/-9.098 χ^2/NDF:102.8/51

All: -18.659+/-6.498 χ^2/NDF: 144.7/95



Right In: 57.220+/-0.013 χ^2/NDF: 2482434.0/20

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 61.243+/-0.013 χ^2/NDF: 3770295.0/26

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

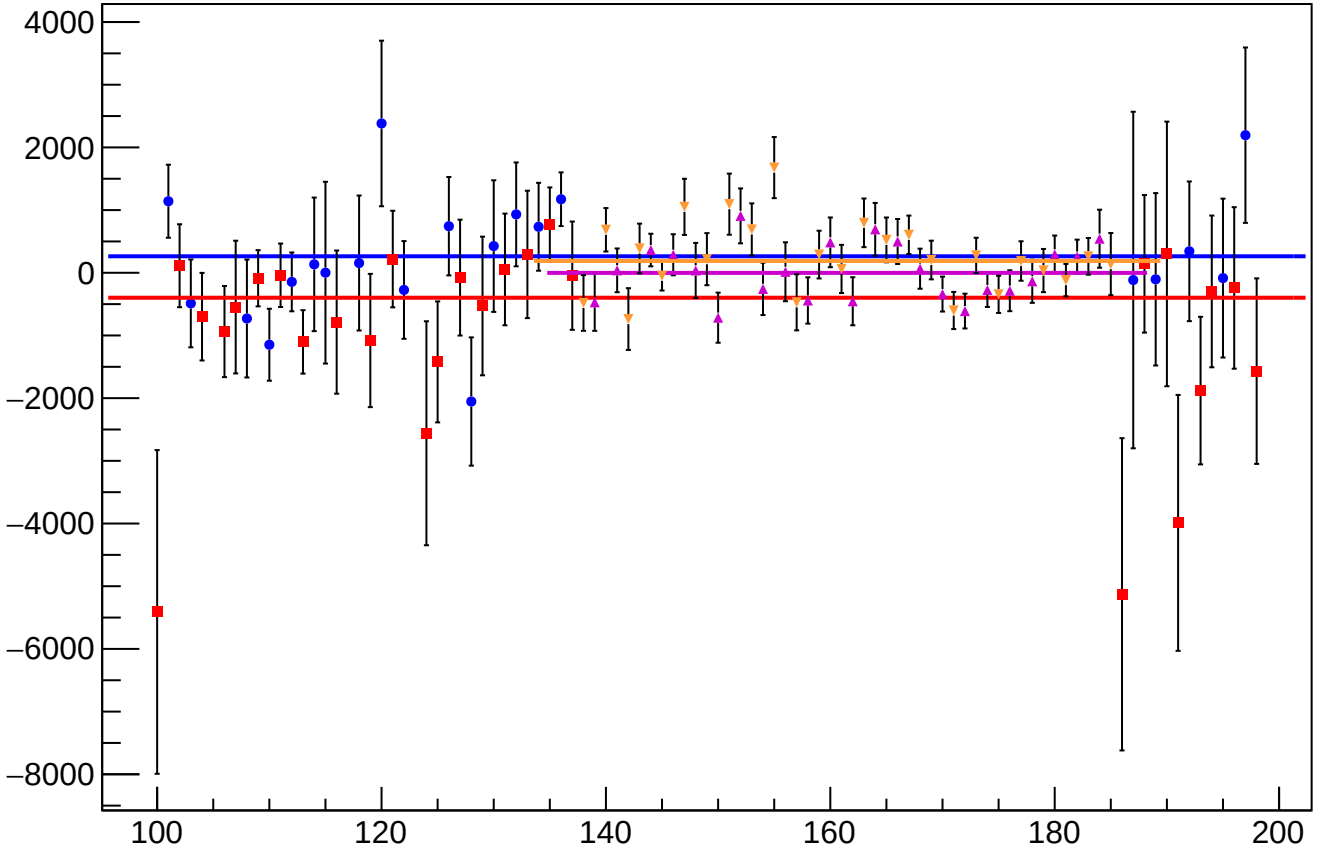
Right: 59.238+/-0.009 χ^2/NDF: 6298237.0/47

In: 47.965+/-0.007 χ^2/NDF:3488070.7/43

Out: 48.928+/-0.006 χ^2/NDF:5376855.7/51

All: 48.456+/-0.005 χ^2/NDF: 8875910.8/95

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 263.070+/-173.618 χ^2/NDF: 27.7/20

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: -397.813+/-164.201 χ^2/NDF: 25.9/26

Left In: -1.654+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

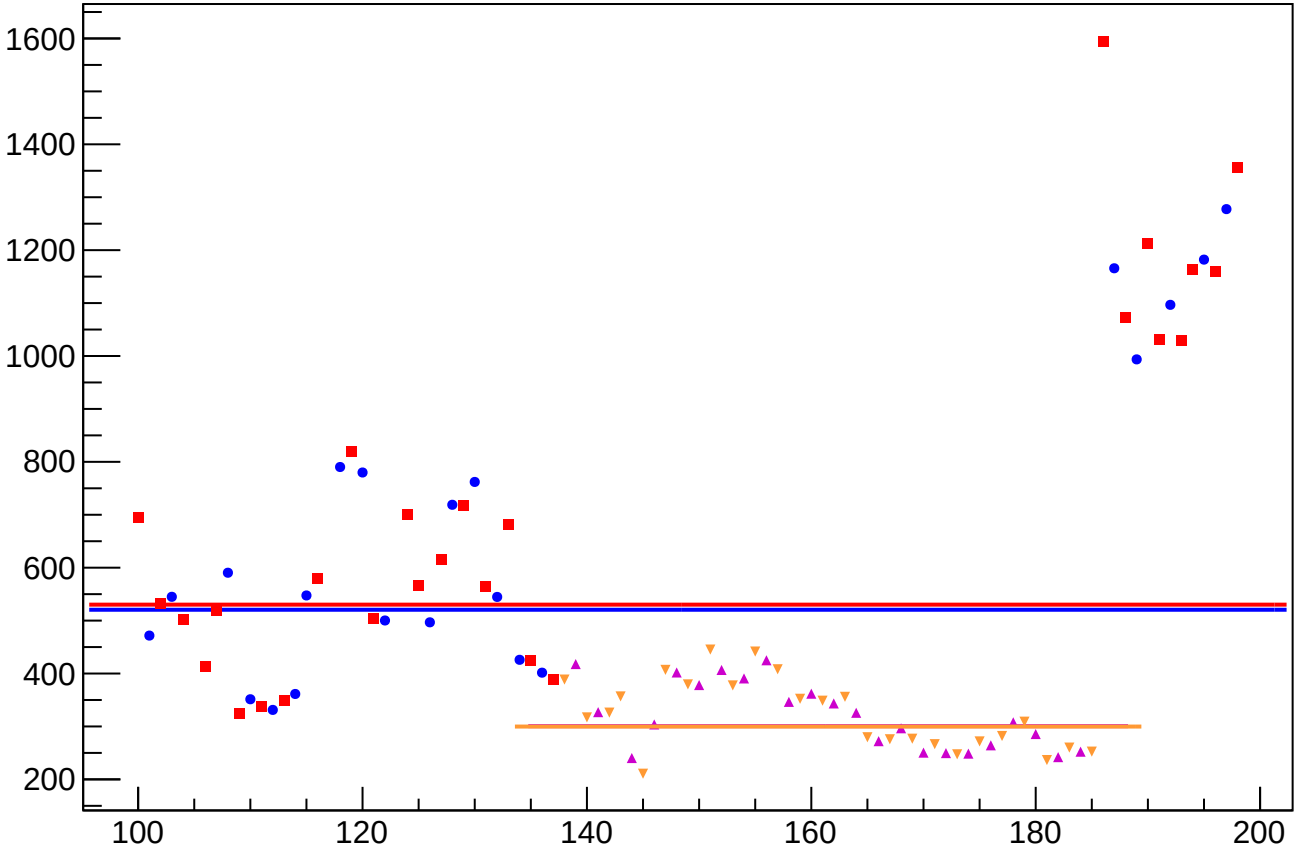
Right: -85.781+/-119.298 χ^2/NDF: 61.3/47

In: 36.927+/-66.281 χ^2/NDF:61.9/43

Out: 99.220+/-64.170 χ^2/NDF:83.5/51

All: 69.082+/-46.103 χ^2/NDF: 145.9/95

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 520.509+/-0.123 χ^2/NDF: 3169531.7/20

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 530.165+/-0.116 χ^2/NDF: 4634166.3/26

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

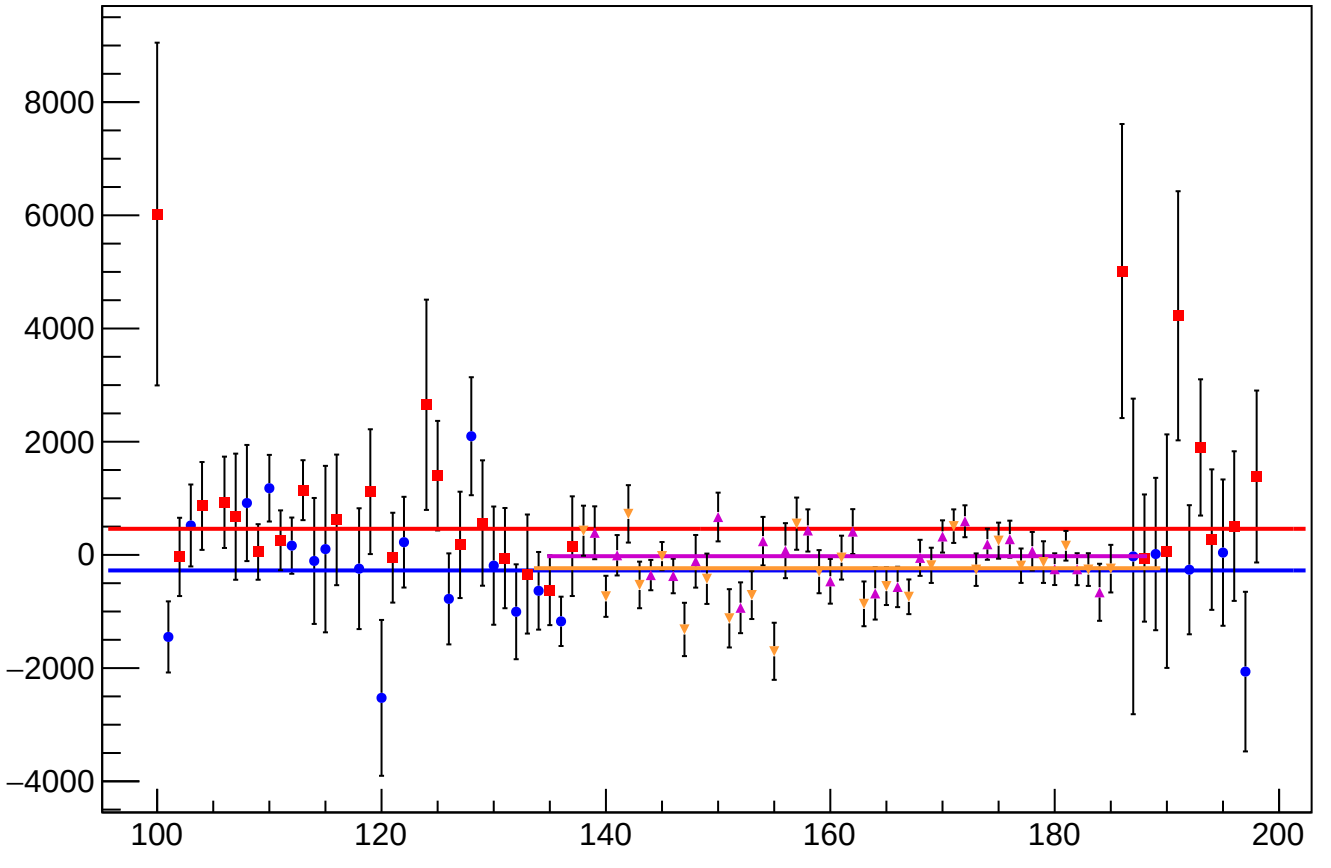
Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

Right: 525.606+/-0.084 χ^2/NDF: 7806963.9/47

In: 332.603+/-0.047 χ^2/NDF:7171198.4/43

Out: 334.981+/-0.045 χ^2/NDF:9546956.6/51

All: 333.830+/-0.033 χ^2/NDF: 16719484.6/95



Right In: -274.441+/-178.706 χ^2/NDF: 28.7/20

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: 461.160+/-172.014 χ^2/NDF: 22.5/26

Left In: -22.662+/-72.642 χ^2/NDF:29.9/22

Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

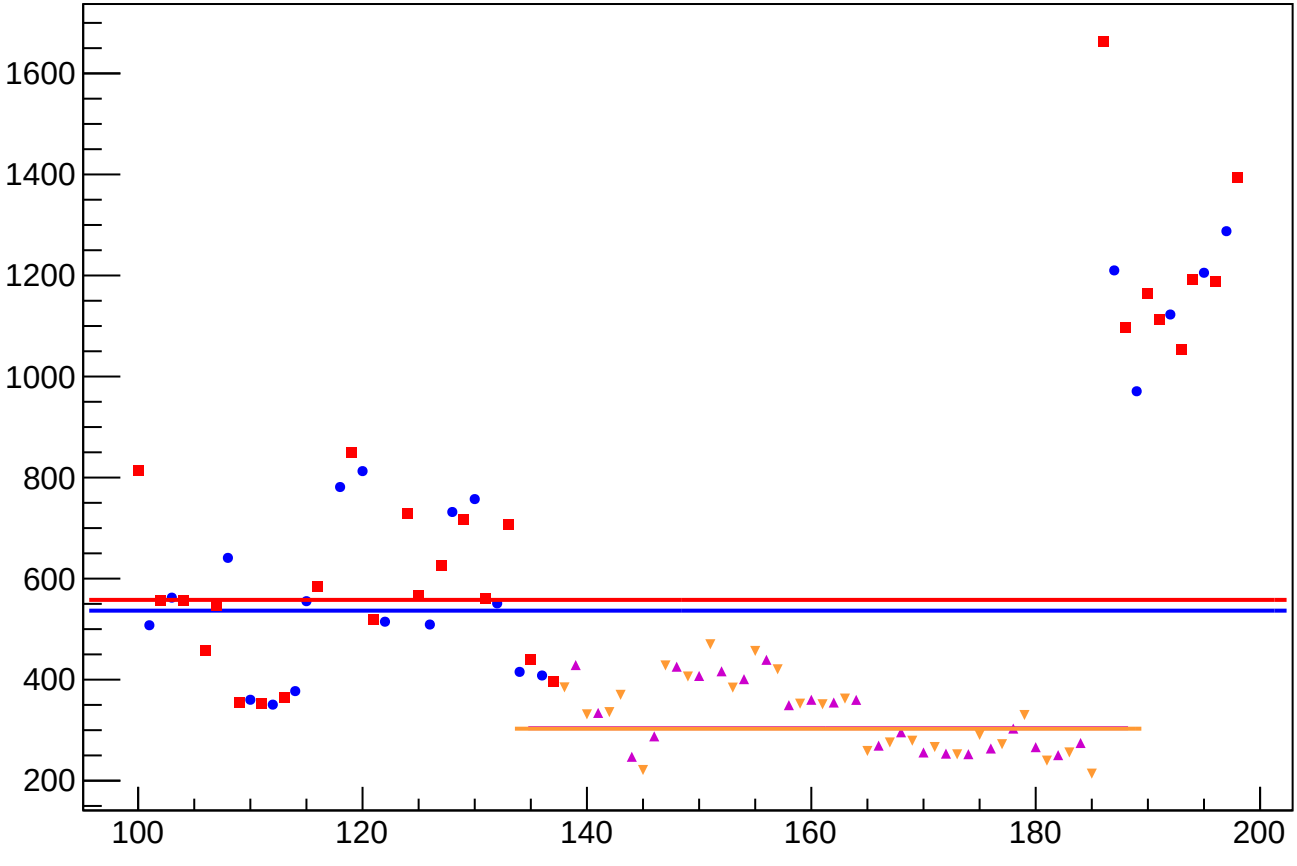
Right: 107.390+/-123.931 χ^2/NDF: 59.9/47

In: -58.365+/-67.295 χ^2/NDF:60.2/43

Out: -134.436+/-65.425 χ^2/NDF:83.9/51

All: -97.472+/-46.909 χ^2/NDF: 144.8/95

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 536.576+/-0.126 χ^2/NDF: 3070776.9/20

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

Right Out: 557.883+/-0.122 χ^2/NDF: 4398241.9/26

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

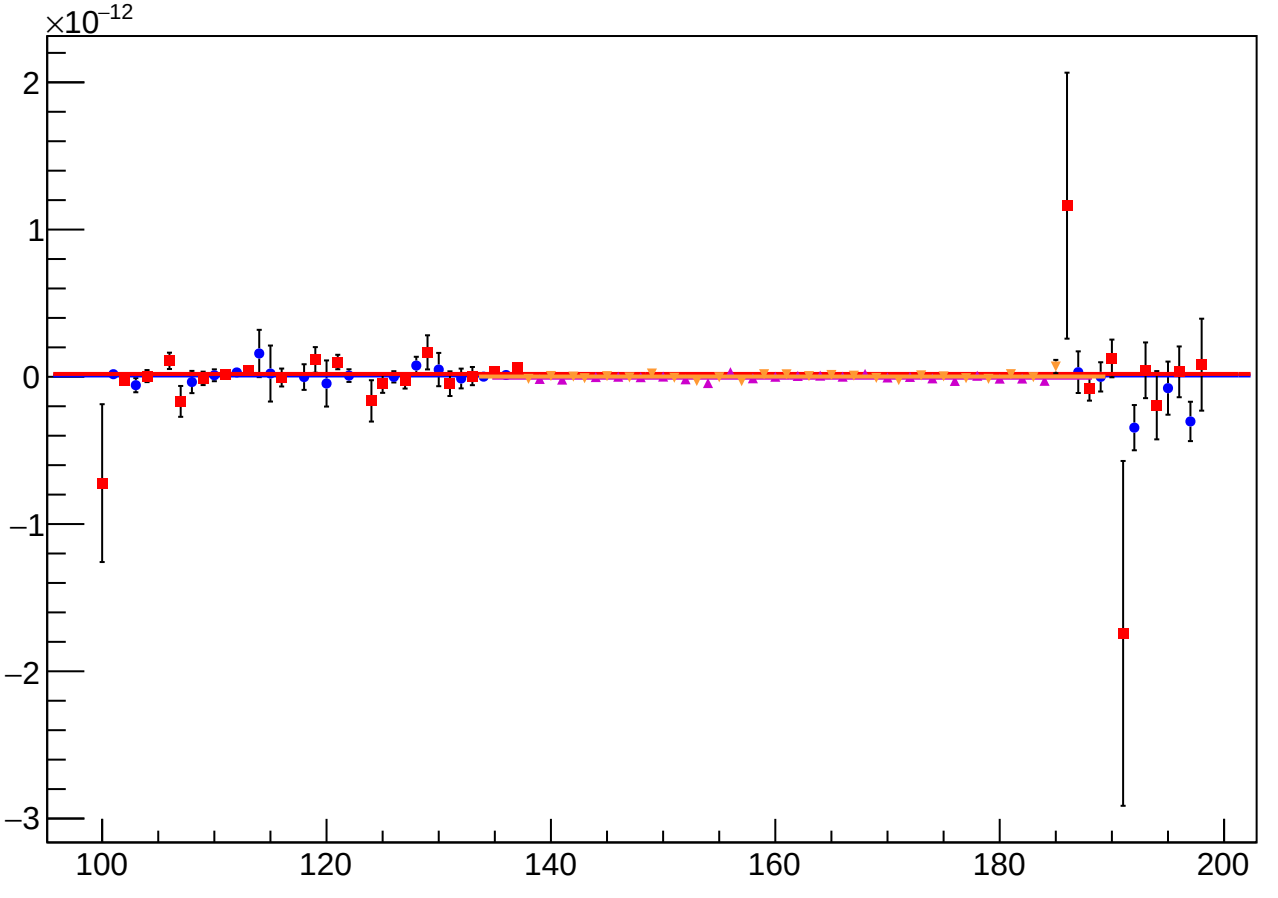
Right: 547.636+/-0.088 χ^2/NDF: 7483777.6/47

In: 336.914+/-0.048 χ^2/NDF:7356120.8/43

Out: 339.824+/-0.046 χ^2/NDF:9921936.6/51

All: 338.410+/-0.033 χ^2/NDF: 17279979.5/95

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/26

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

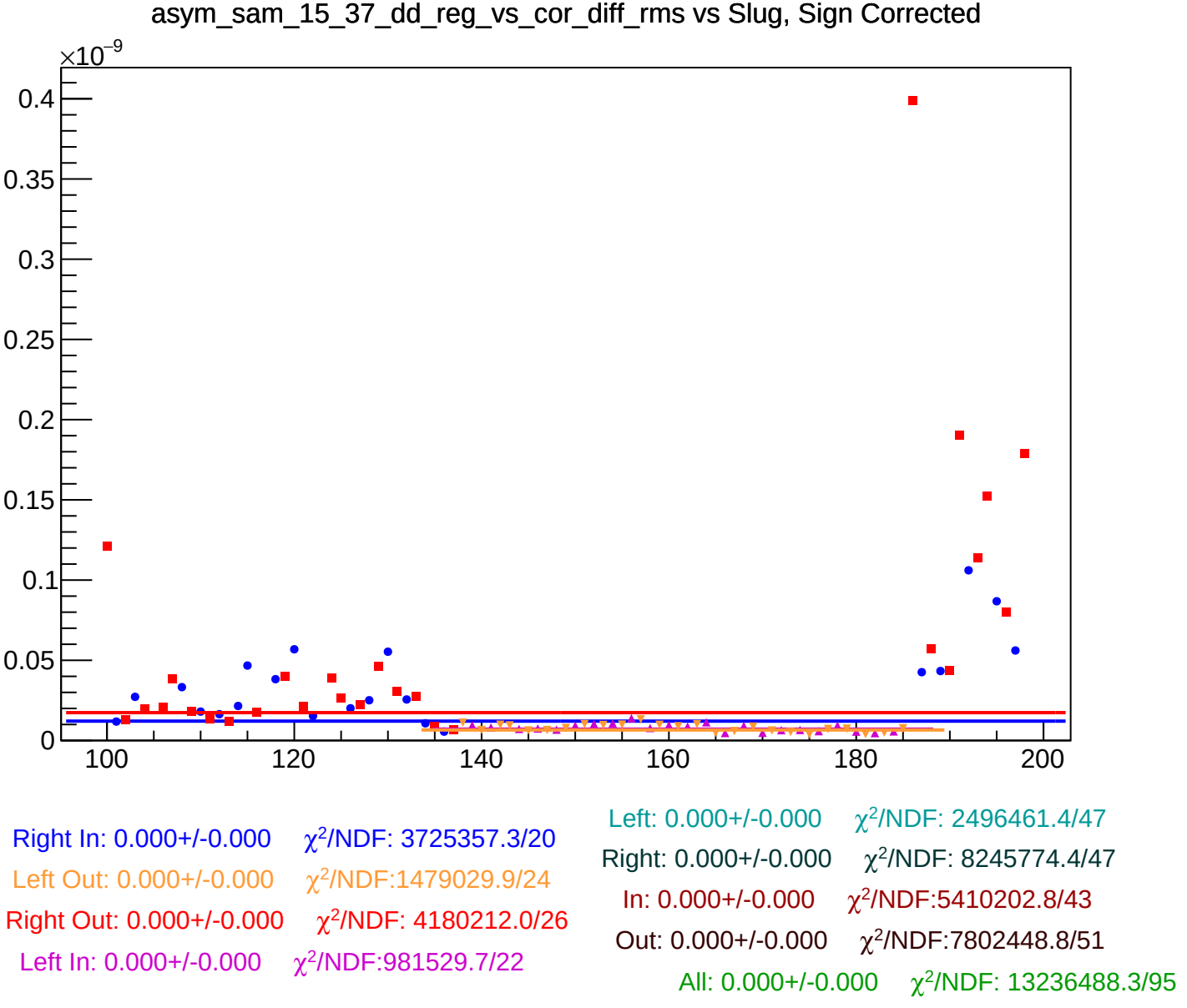
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

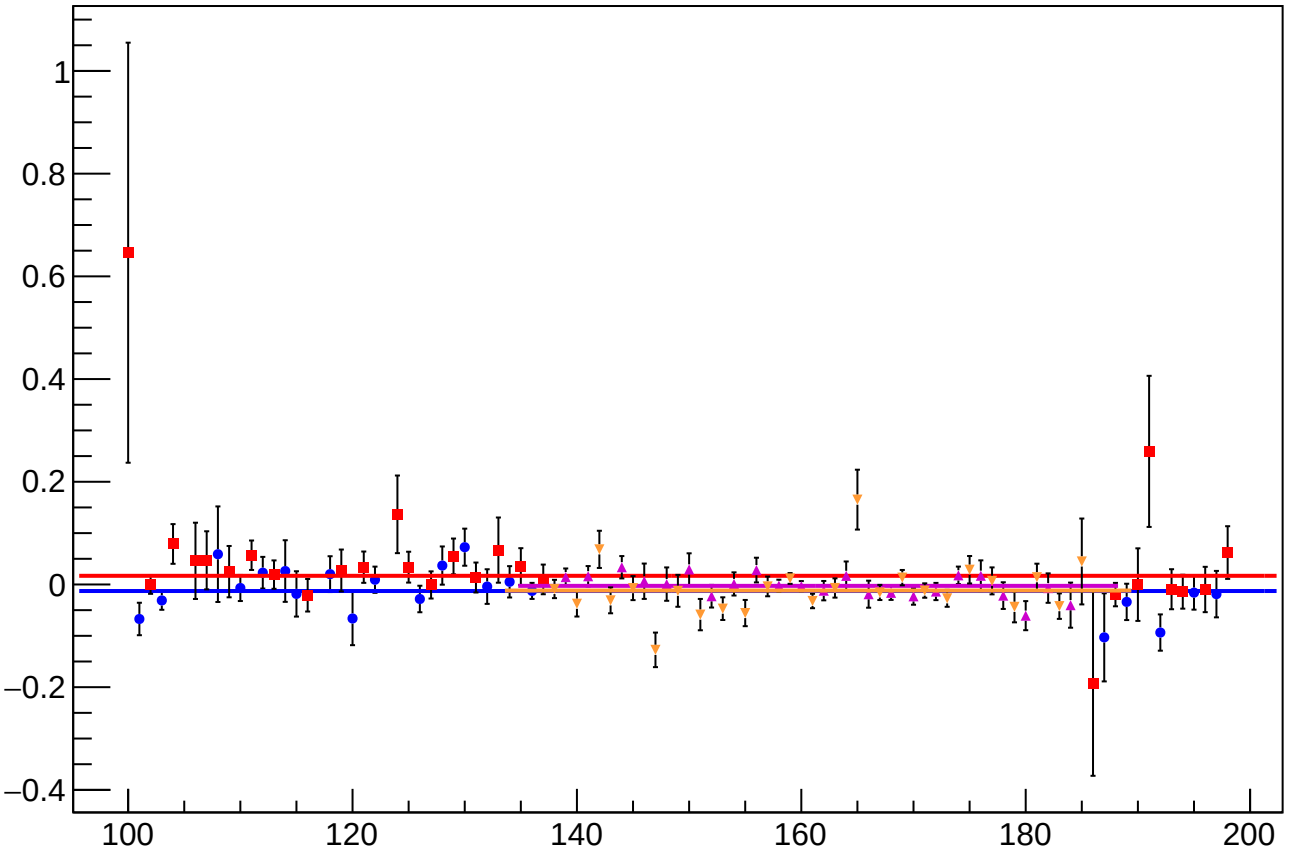
Right: 0.000+/-0.000 χ^2/NDF: 47.8/47

In: -0.000+/-0.000 χ^2/NDF:38.0/43

Out: 0.000+/-0.000 χ^2/NDF:56.3/51

All: -0.000+/-0.000 χ^2/NDF: 98.3/95


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3725357.3/20
Left Out: 0.000+/-0.000 χ²/NDF:1479029.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 4180212.0/26
Left In: 0.000+/-0.000 χ²/NDF:981529.7/22
Left: 0.000+/-0.000 χ²/NDF: 2496461.4/47
Right: 0.000+/-0.000 χ²/NDF: 8245774.4/47
In: 0.000+/-0.000 χ²/NDF:5410202.8/43
Out: 0.000+/-0.000 χ²/NDF:7802448.8/51
All: 0.000+/-0.000 χ²/NDF: 13236488.3/95



Right In: -0.013+/-0.007 χ^2/NDF: 24.0/20

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.017+/-0.007 χ^2/NDF: 24.6/26

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

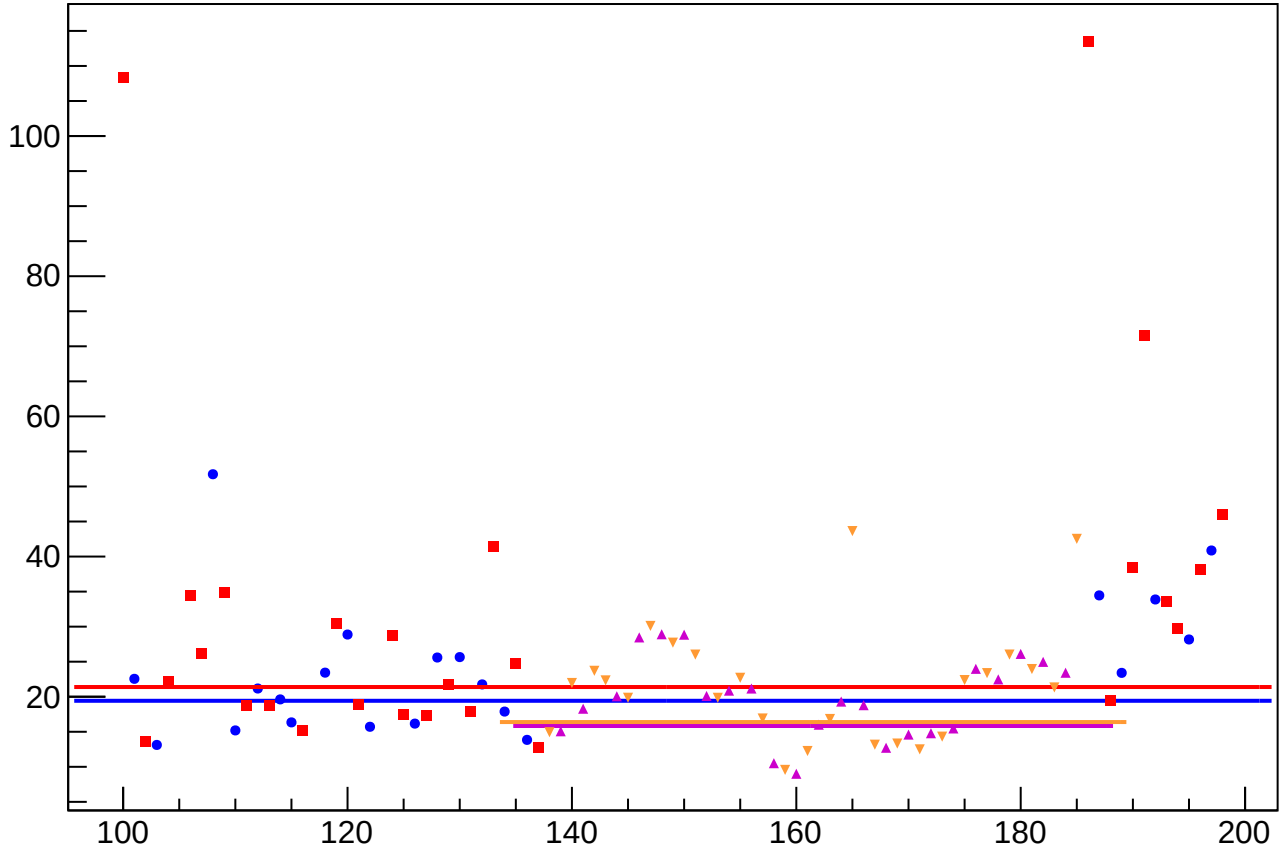
Right: 0.002+/-0.005 χ^2/NDF: 58.1/47

In: -0.005+/-0.003 χ^2/NDF:45.4/43

Out: -0.004+/-0.003 χ^2/NDF:91.0/51

All: -0.005+/-0.002 χ^2/NDF: 136.4/95

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.421+/-0.005 χ^2/NDF: 2133507.5/20

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 21.385+/-0.005 χ^2/NDF: 3388065.6/26

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

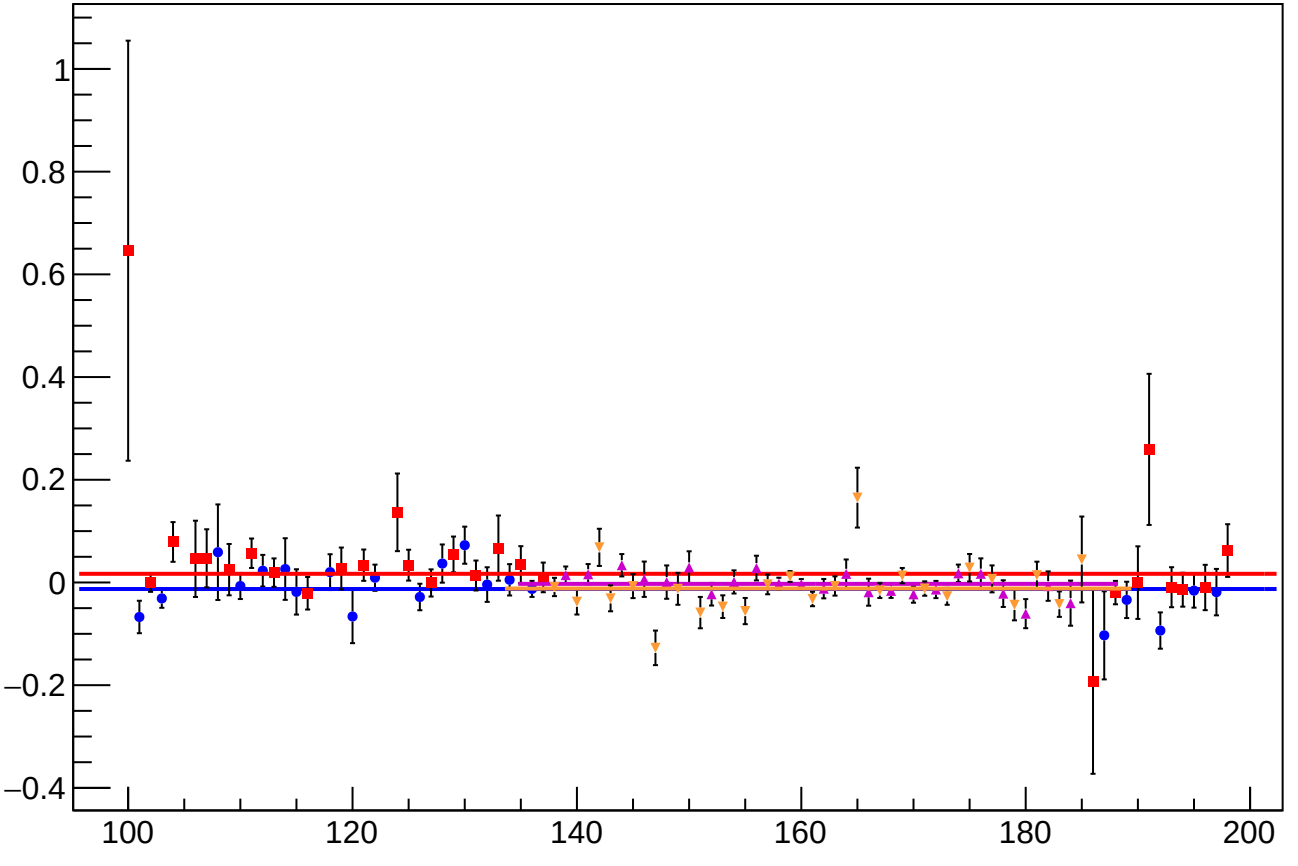
Right: 20.379+/-0.003 χ^2/NDF: 5606011.2/47

In: 16.787+/-0.002 χ^2/NDF:6212808.0/43

Out: 17.691+/-0.002 χ^2/NDF:8206429.3/51

All: 17.234+/-0.002 χ^2/NDF: 14486856.7/95

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.007 χ^2/NDF: 24.0/20

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.017+/-0.007 χ^2/NDF: 24.6/26

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

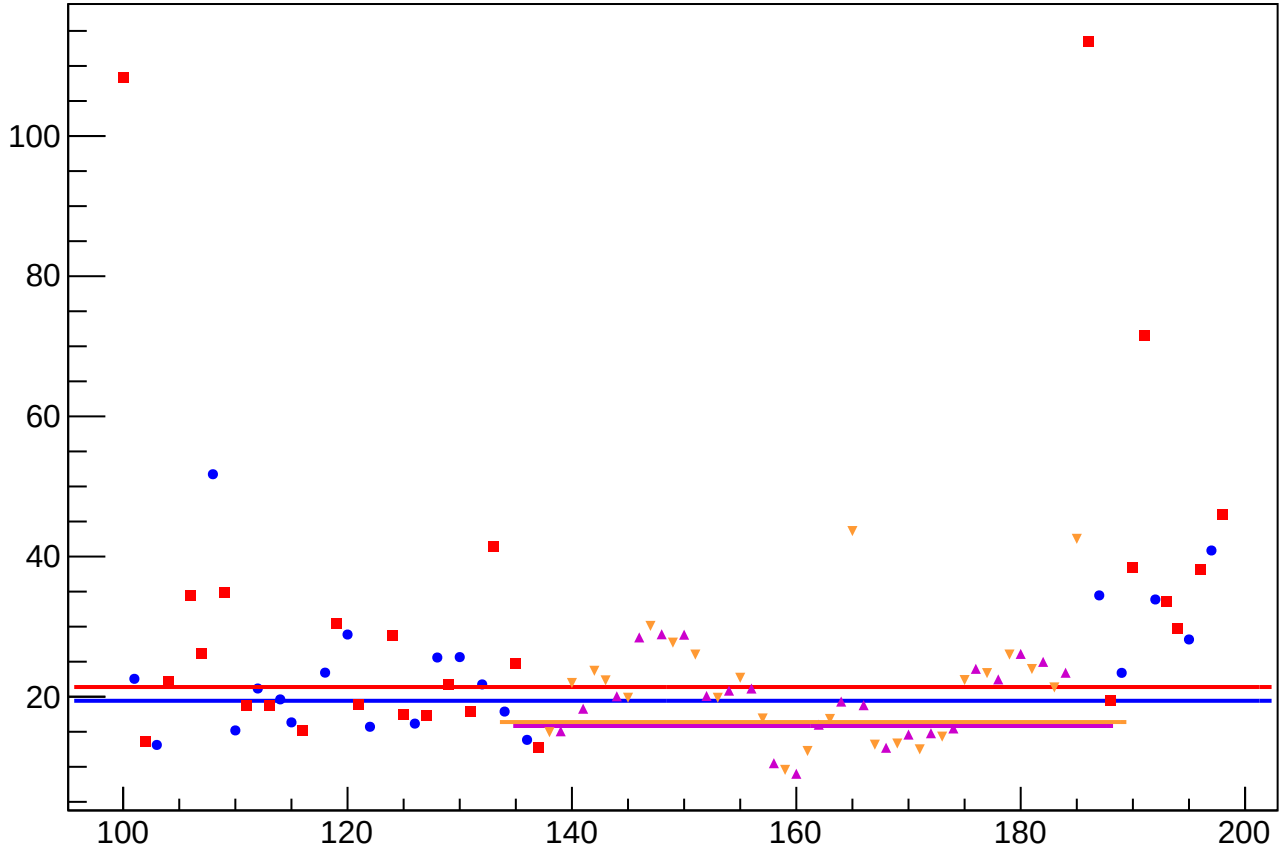
Right: 0.002+/-0.005 χ^2/NDF: 58.1/47

In: -0.005+/-0.003 χ^2/NDF:45.4/43

Out: -0.004+/-0.003 χ^2/NDF:91.0/51

All: -0.005+/-0.002 χ^2/NDF: 136.4/95

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.421+/-0.005 χ^2/NDF: 2133507.5/20

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 21.385+/-0.005 χ^2/NDF: 3388065.6/26

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

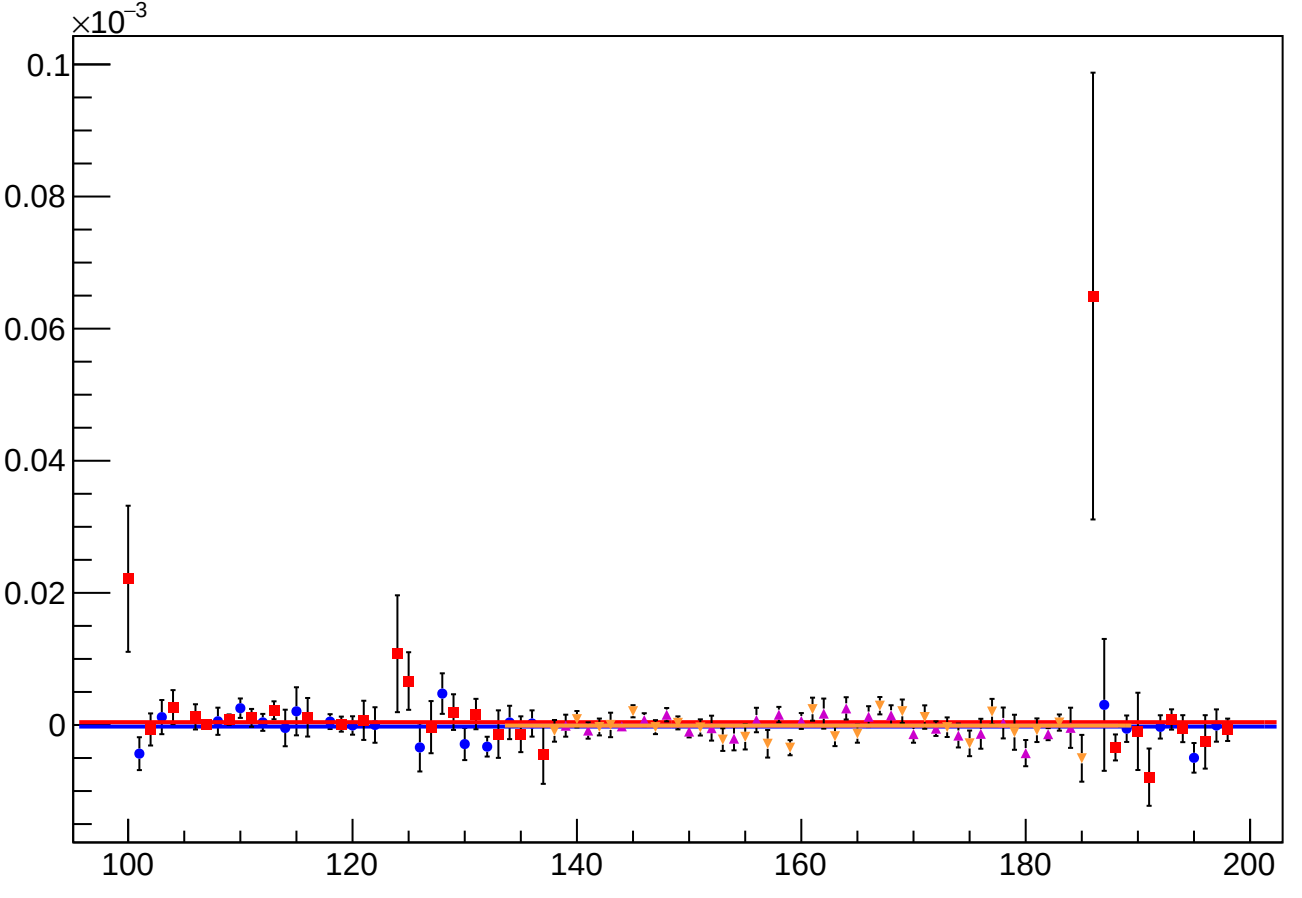
Right: 20.379+/-0.003 χ^2/NDF: 5606011.2/47

In: 16.787+/-0.002 χ^2/NDF:6212808.0/43

Out: 17.691+/-0.002 χ^2/NDF:8206429.3/51

All: 17.234+/-0.002 χ^2/NDF: 14486856.7/95

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/20

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.0/26

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

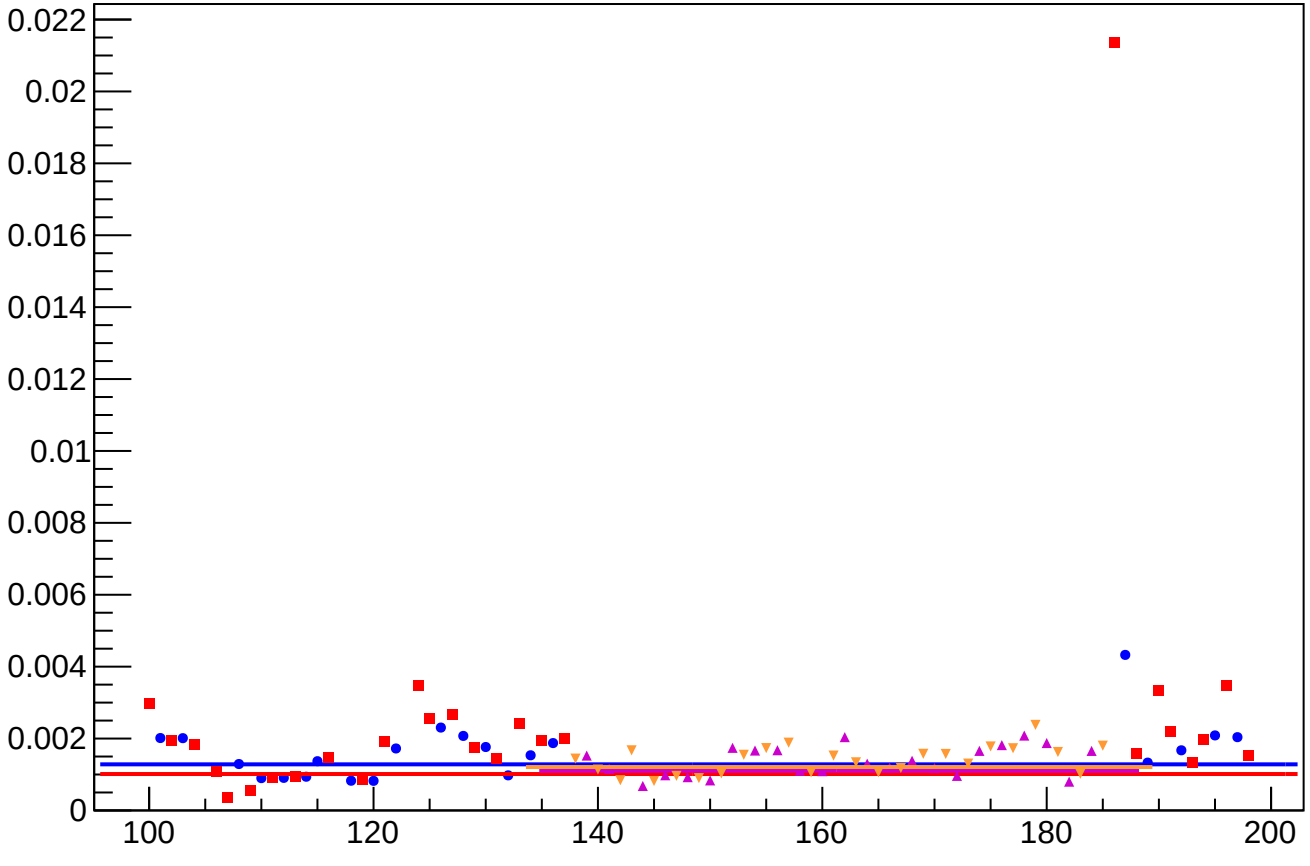
Right: 0.000+/-0.000 χ^2/NDF: 48.7/47

In: -0.000+/-0.000 χ^2/NDF:43.3/43

Out: 0.000+/-0.000 χ^2/NDF:63.4/51

All: -0.000+/-0.000 χ^2/NDF: 107.4/95

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 2654503.8/20

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7525090.2/26

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

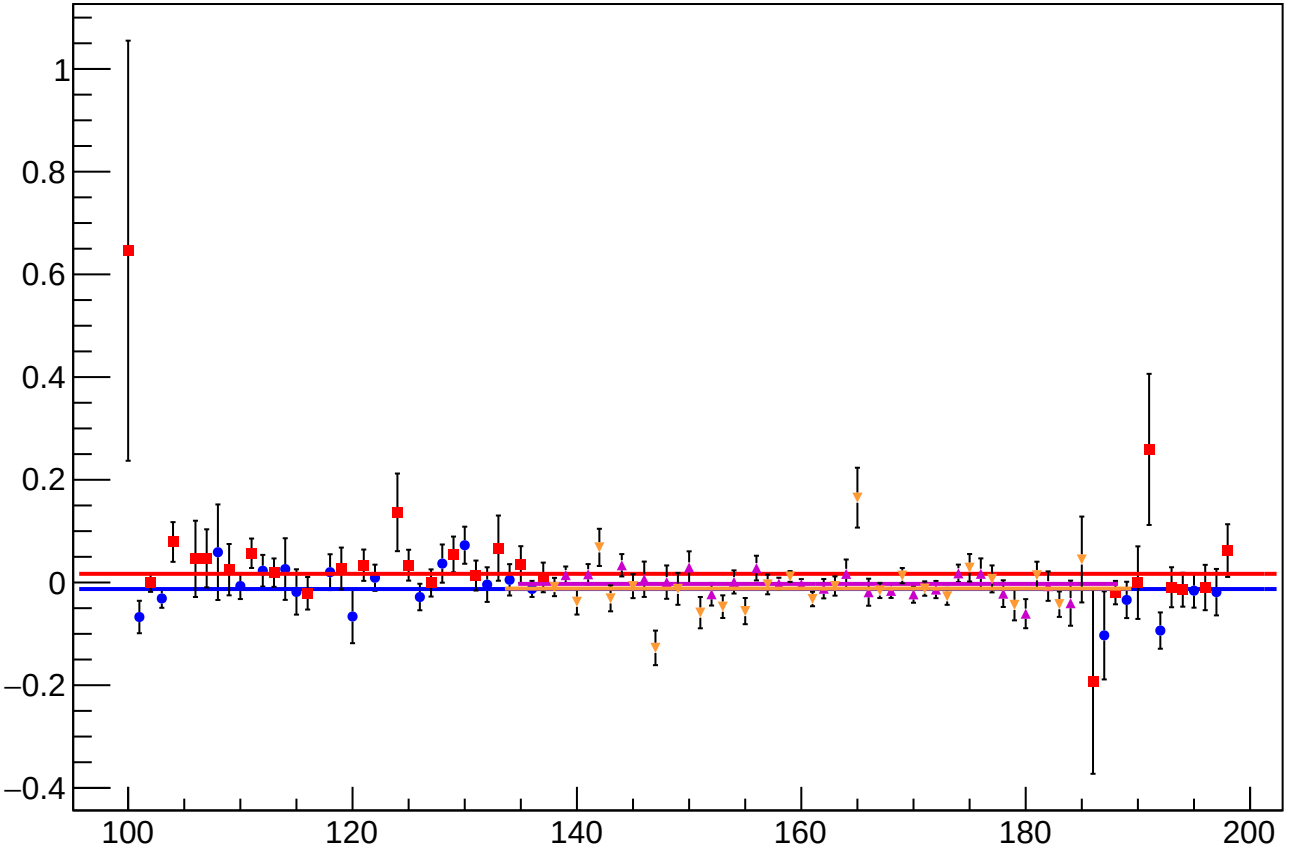
Right: 0.001+/-0.000 χ^2/NDF: 10655055.9/47

In: 0.001+/-0.000 χ^2/NDF:6395810.2/43

Out: 0.001+/-0.000 χ^2/NDF:10617143.7/51

All: 0.001+/-0.000 χ^2/NDF: 17027287.9/95

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.007 χ^2/NDF: 24.0/20

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.017+/-0.007 χ^2/NDF: 24.6/26

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

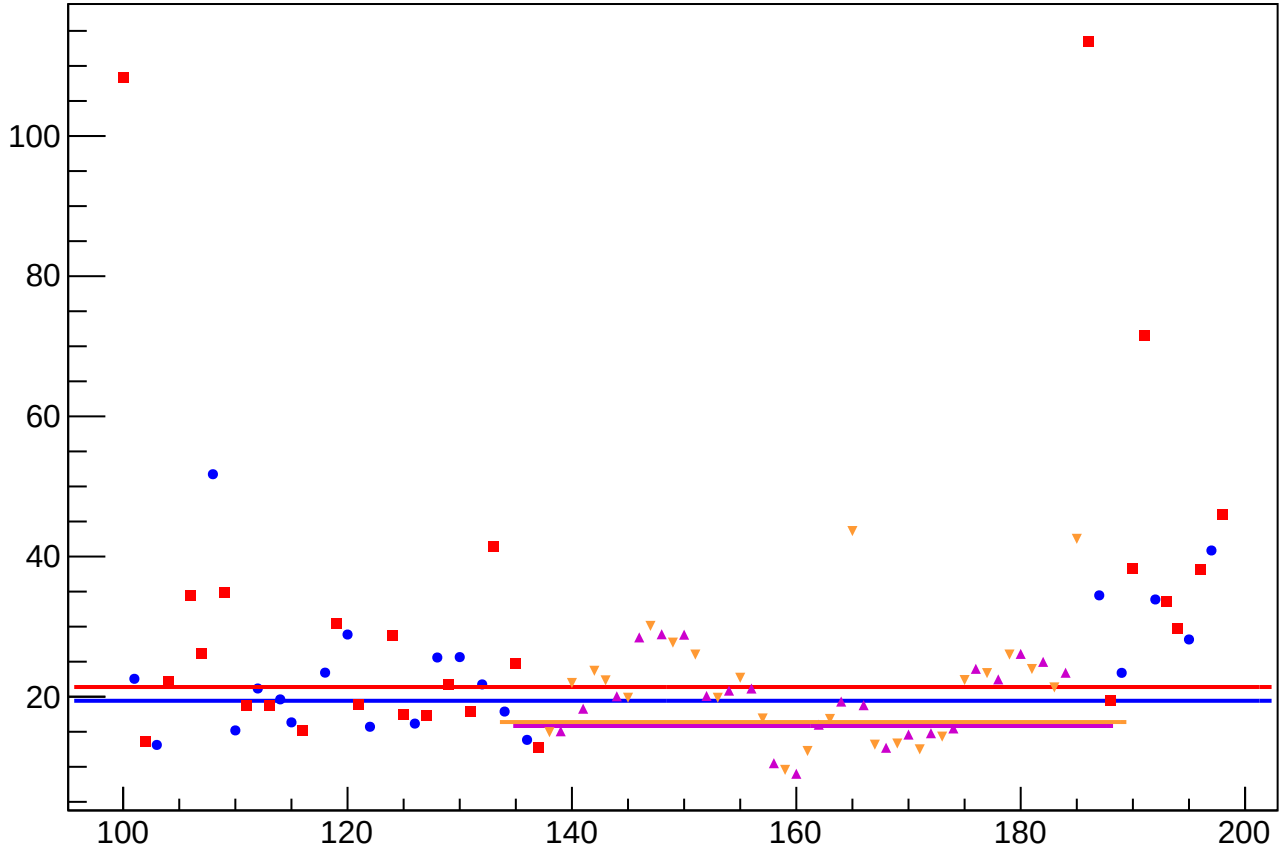
Right: 0.002+/-0.005 χ^2/NDF: 58.1/47

In: -0.005+/-0.003 χ^2/NDF:45.4/43

Out: -0.004+/-0.003 χ^2/NDF:91.0/51

All: -0.005+/-0.002 χ^2/NDF: 136.4/95

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.421+/-0.005 χ^2/NDF: 2133515.6/20

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 21.386+/-0.005 χ^2/NDF: 3387829.9/26

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

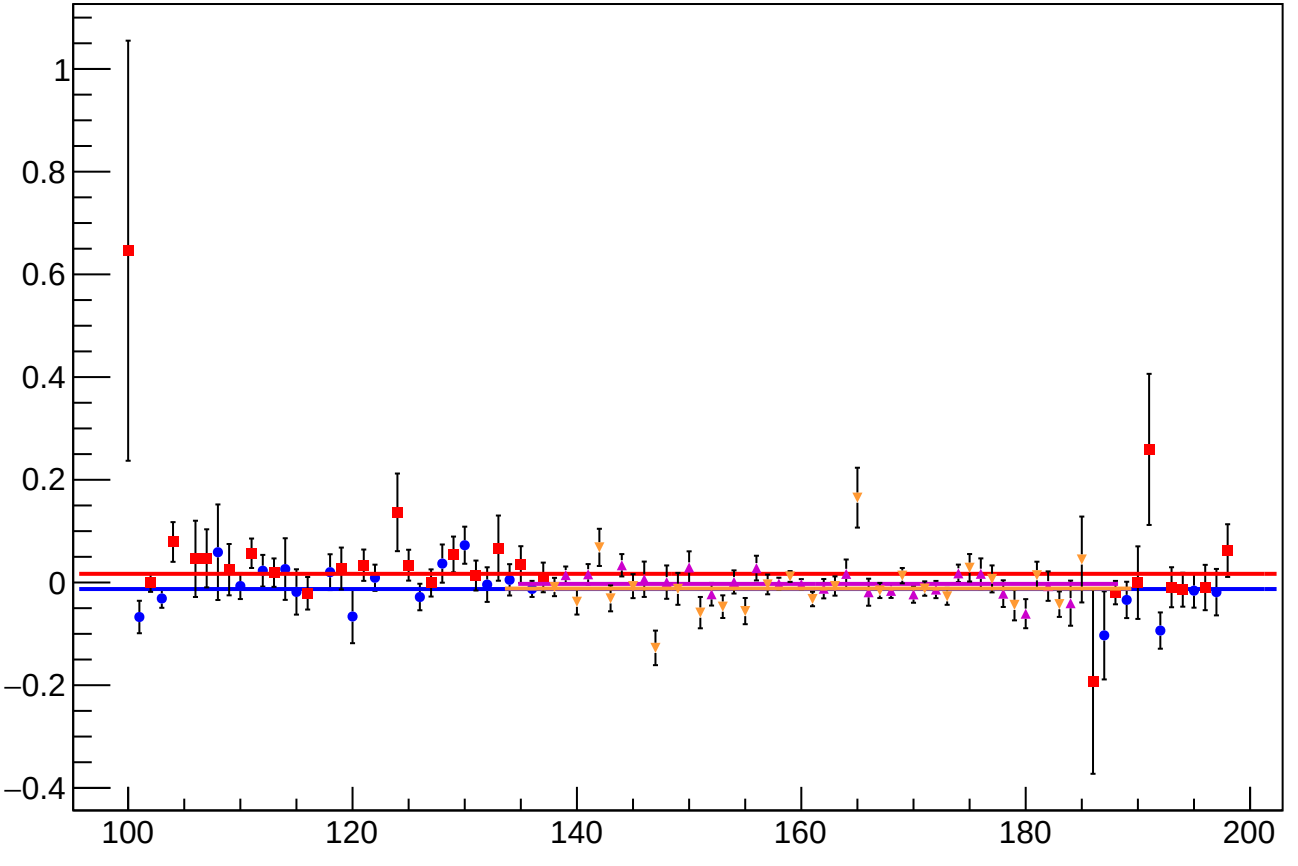
Right: 20.379+/-0.003 χ^2/NDF: 5605822.0/47

In: 16.787+/-0.002 χ^2/NDF:6213255.1/43

Out: 17.691+/-0.002 χ^2/NDF:8206655.6/51

All: 17.234+/-0.002 χ^2/NDF: 14487550.2/95

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.007 χ^2/NDF: 24.0/20

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.017+/-0.007 χ^2/NDF: 24.6/26

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

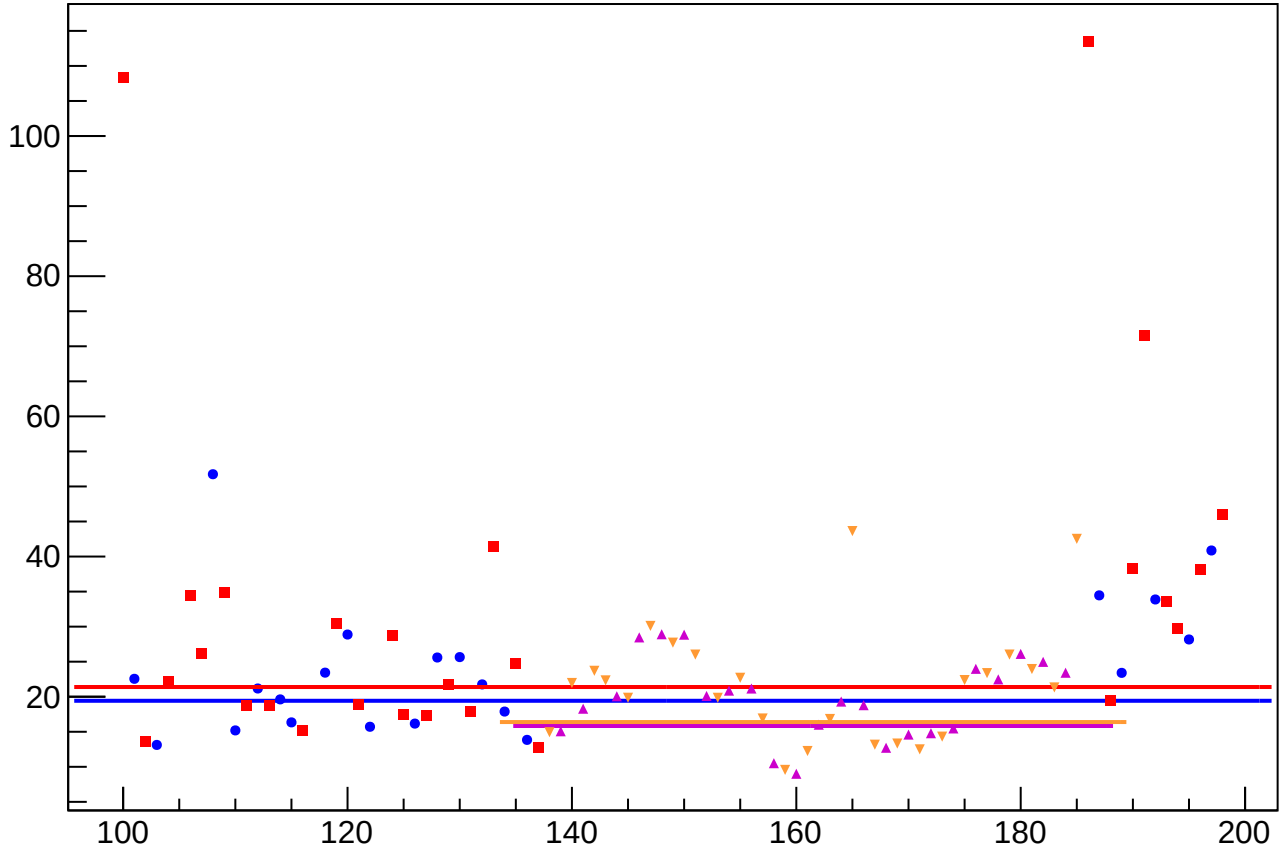
Right: 0.002+/-0.005 χ^2/NDF: 58.1/47

In: -0.005+/-0.003 χ^2/NDF:45.4/43

Out: -0.004+/-0.003 χ^2/NDF:91.0/51

All: -0.005+/-0.002 χ^2/NDF: 136.4/95

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.421+/-0.005 χ^2/NDF: 2133515.6/20

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 21.386+/-0.005 χ^2/NDF: 3387829.9/26

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

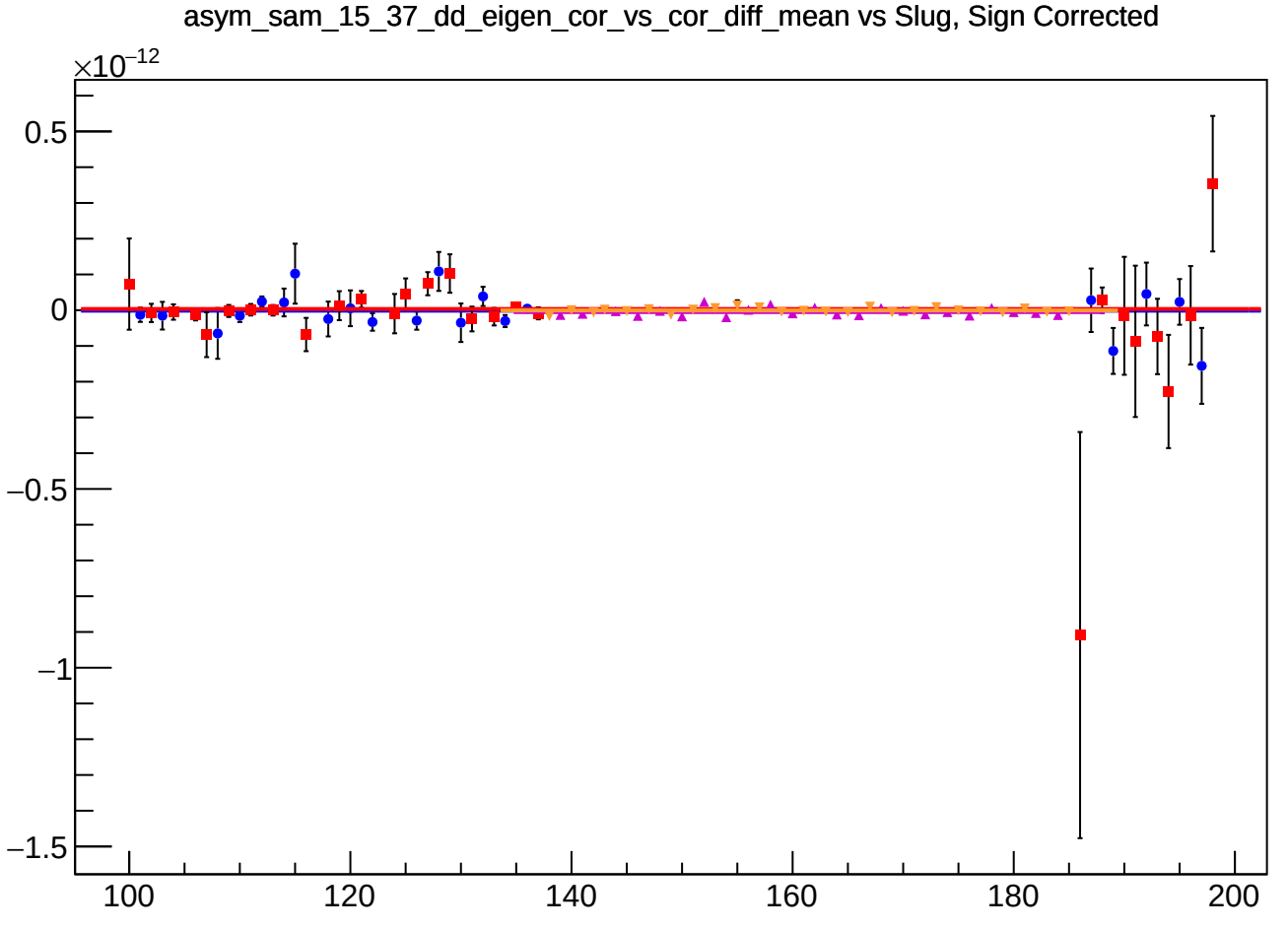
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 20.379+/-0.003 χ^2/NDF: 5605822.0/47

In: 16.787+/-0.002 χ^2/NDF:6213255.1/43

Out: 17.691+/-0.002 χ^2/NDF:8206655.6/51

All: 17.234+/-0.002 χ^2/NDF: 14487550.2/95



Right In: -0.000+/-0.000 χ^2/NDF: 26.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.5/26

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

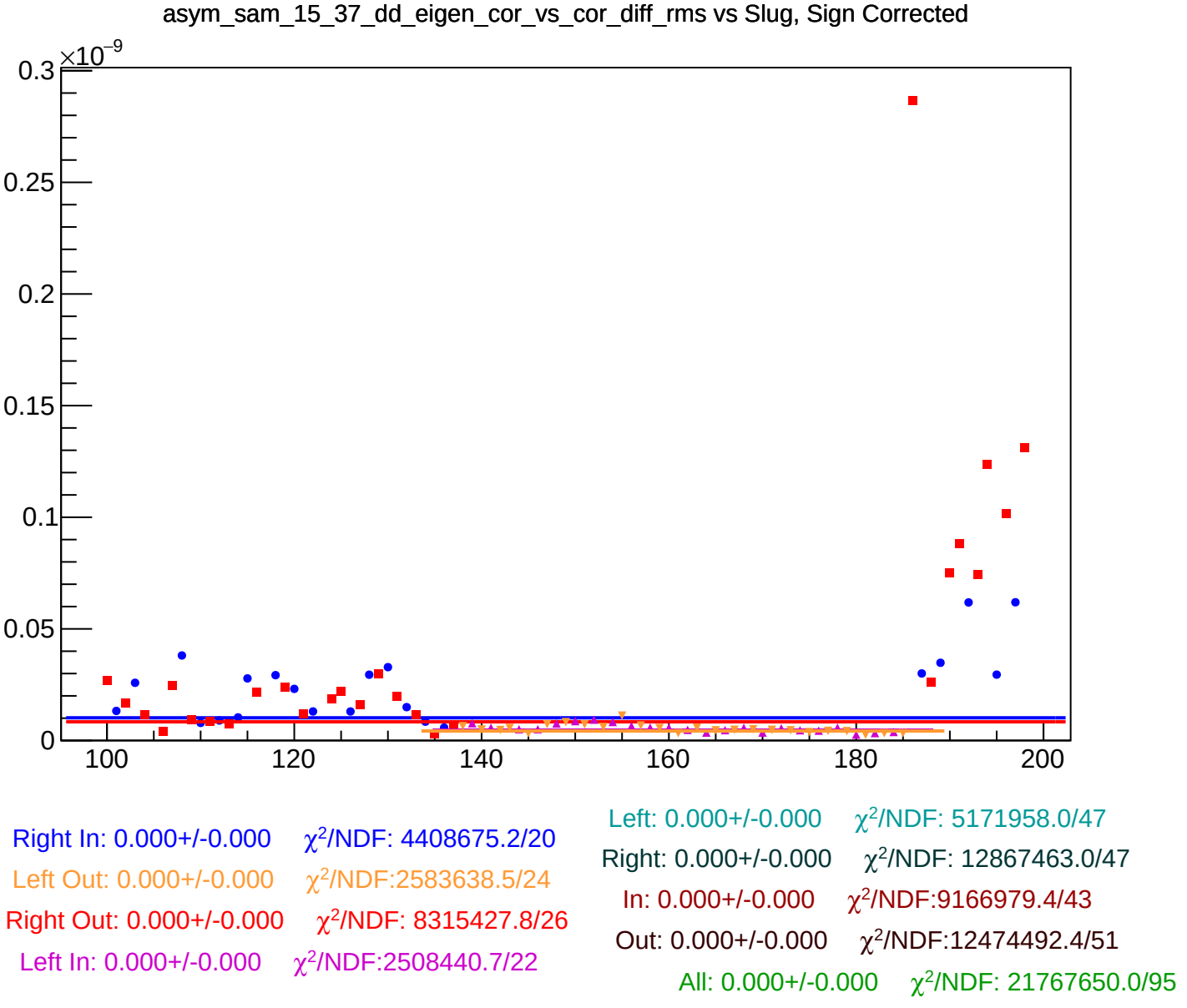
Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

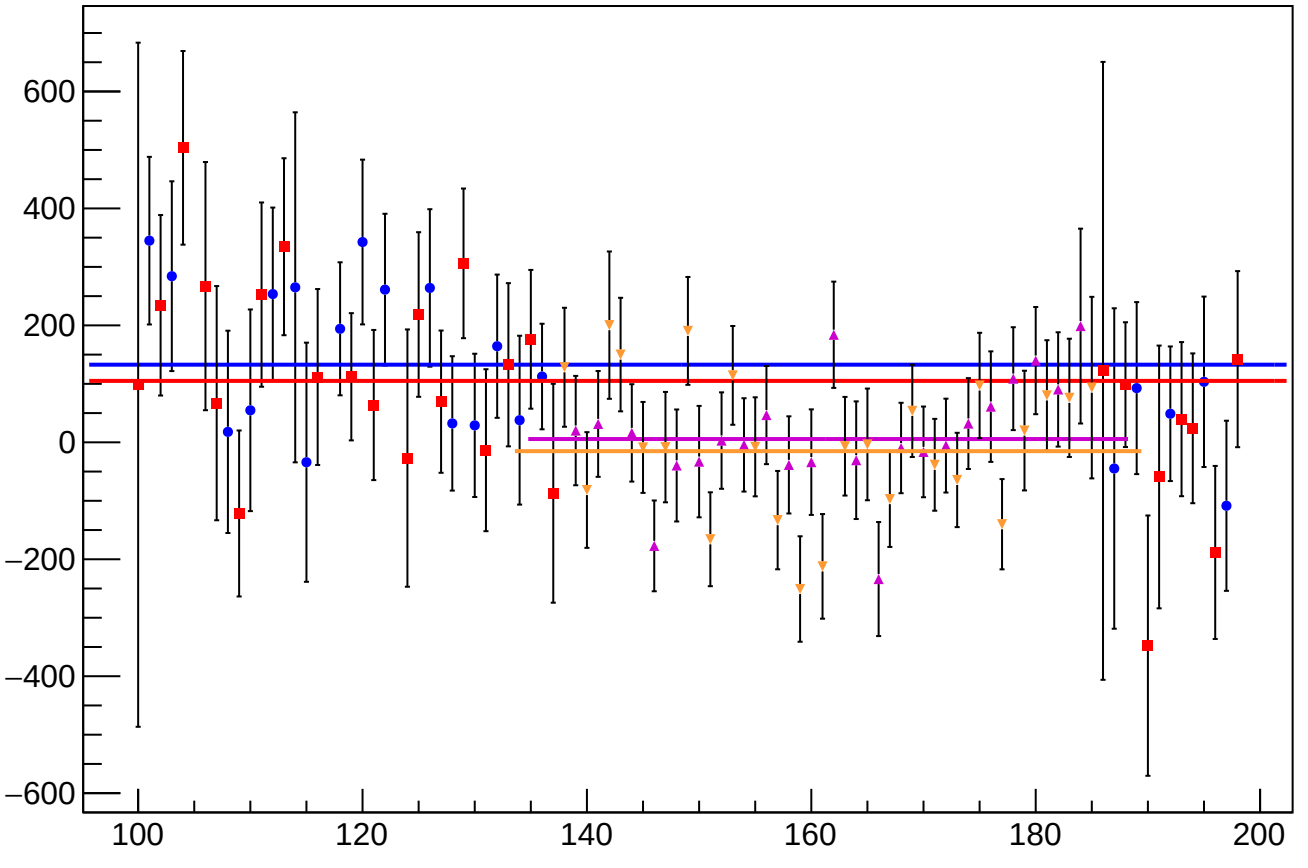
Right: 0.000+/-0.000 χ^2/NDF: 55.0/47

In: -0.000+/-0.000 χ^2/NDF:64.5/43

Out: -0.000+/-0.000 χ^2/NDF:48.4/51

All: -0.000+/-0.000 χ^2/NDF: 119.4/95


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4408675.2/20
Left Out: 0.000+/-0.000 χ²/NDF:2583638.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 8315427.8/26
Left In: 0.000+/-0.000 χ²/NDF:2508440.7/22
Left: 0.000+/-0.000 χ²/NDF: 5171958.0/47
Right: 0.000+/-0.000 χ²/NDF: 12867463.0/47
In: 0.000+/-0.000 χ²/NDF:9166979.4/43
Out: 0.000+/-0.000 χ²/NDF:12474492.4/51
All: 0.000+/-0.000 χ²/NDF: 21767650.0/95



Right In: 132.778+/-30.347 χ^2/NDF: 15.5/20

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: 105.059+/-28.940 χ^2/NDF: 28.0/26

Left In: 5.629+/-18.382 χ^2/NDF:23.0/22

Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

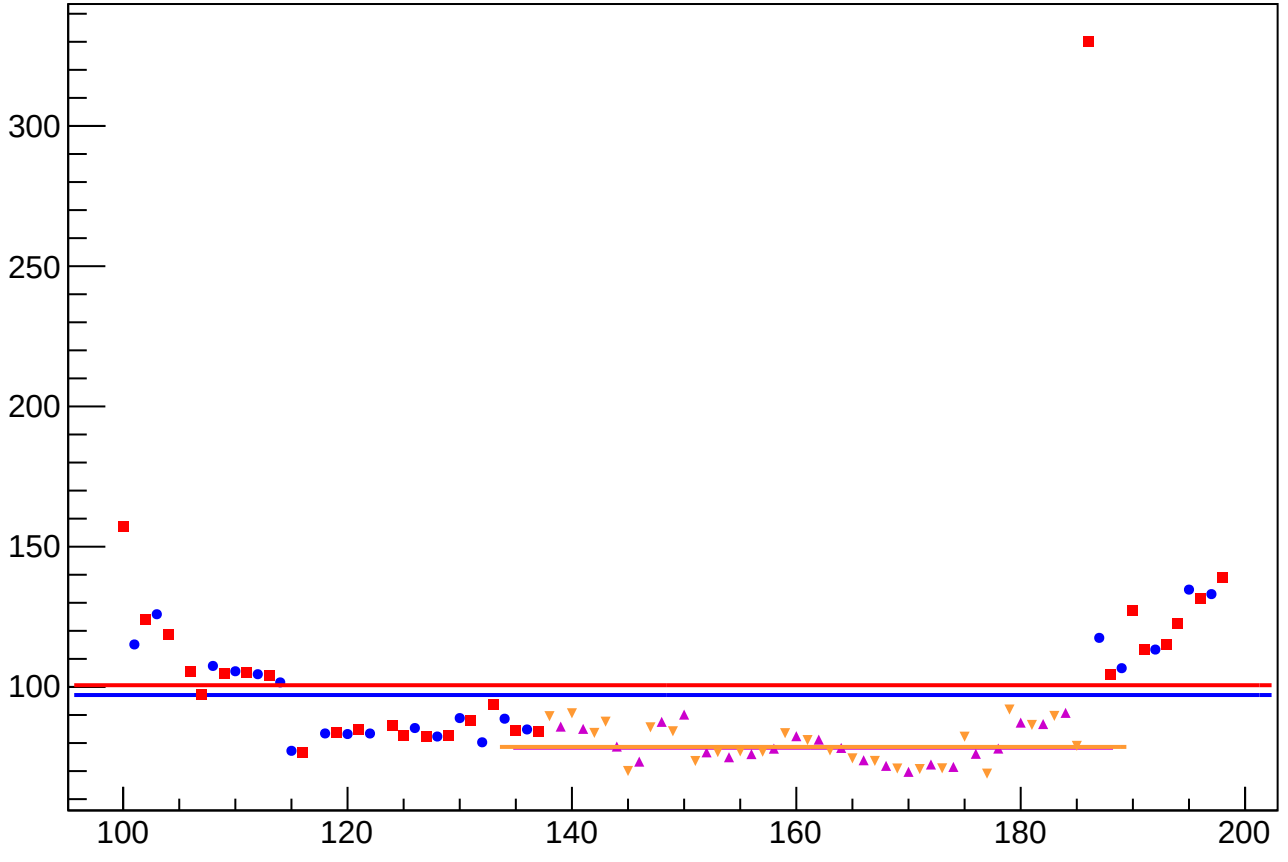
Right: 118.261+/-20.943 χ^2/NDF: 44.0/47

In: 39.758+/-15.722 χ^2/NDF:51.4/43

Out: 18.302+/-15.258 χ^2/NDF:82.1/51

All: 28.708+/-10.950 χ^2/NDF: 134.4/95

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 97.116+/-0.021 χ^2/NDF: 655607.8/20

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 100.614+/-0.020 χ^2/NDF: 1140550.9/26

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

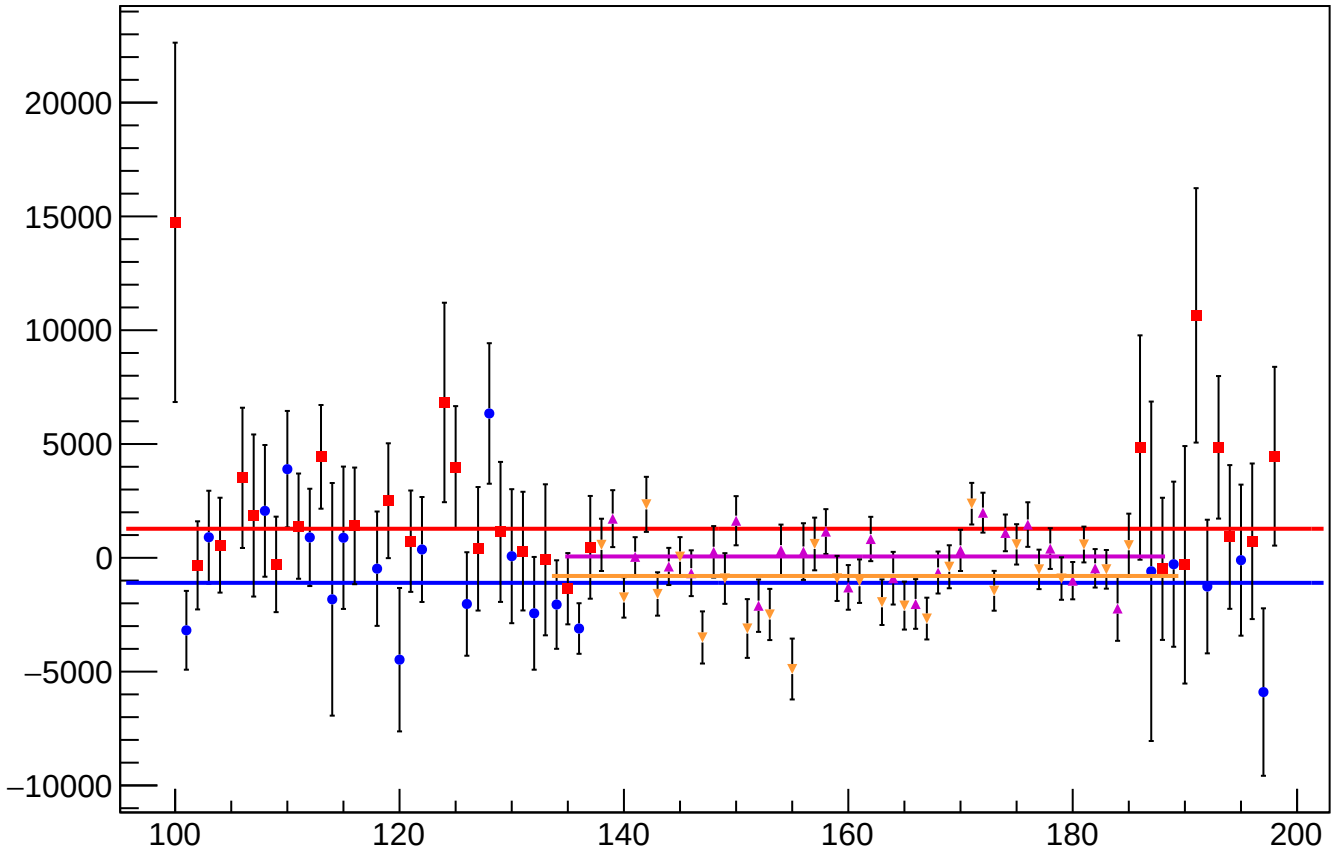
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 98.948+/-0.015 χ^2/NDF: 1810080.3/47

In: 83.376+/-0.011 χ^2/NDF:1425185.3/43

Out: 84.733+/-0.011 χ^2/NDF:2281984.5/51

All: 84.074+/-0.008 χ^2/NDF: 3714843.7/95



Right In: -1099.075+/-521.426 χ^2/NDF: 22.1/20

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1276.942+/-523.095 χ^2/NDF: 18.8/26

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

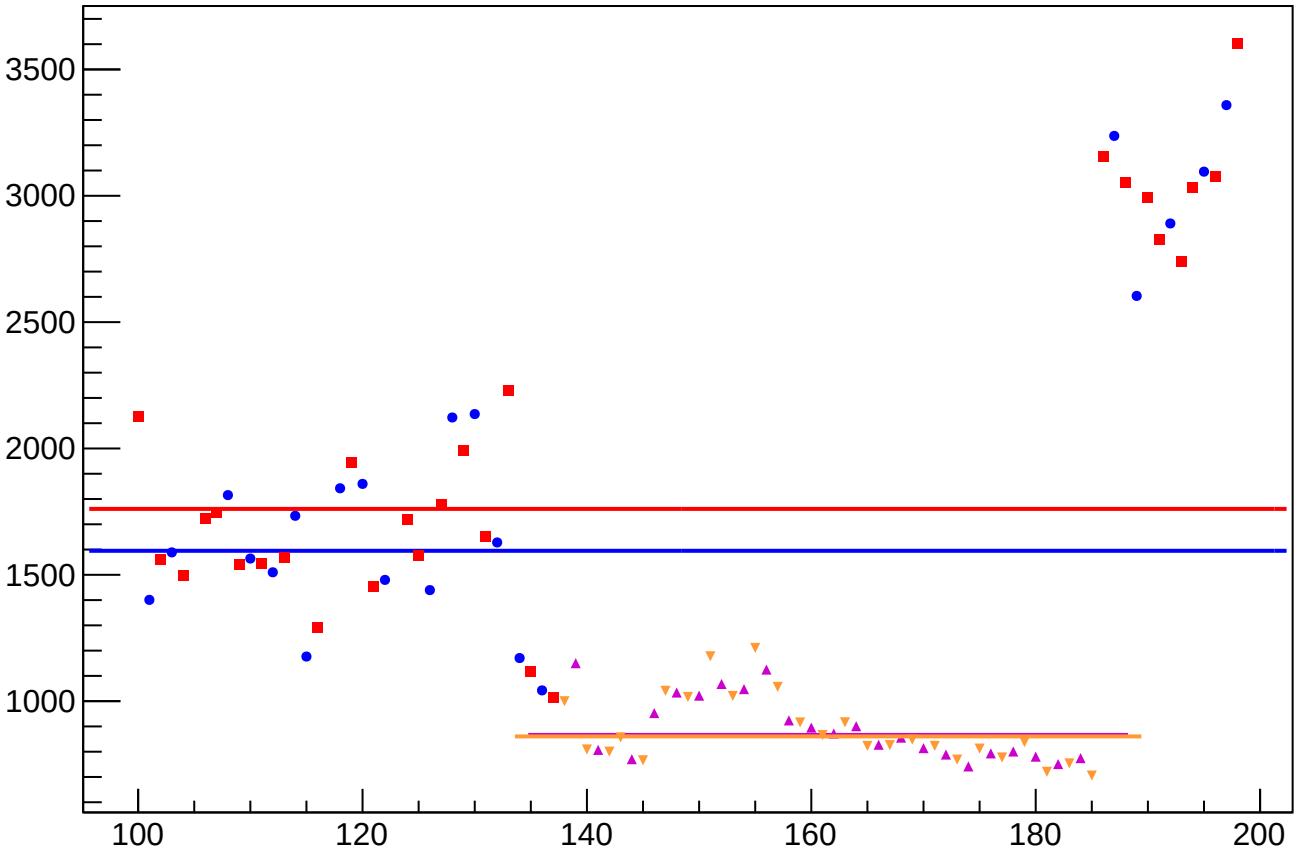
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

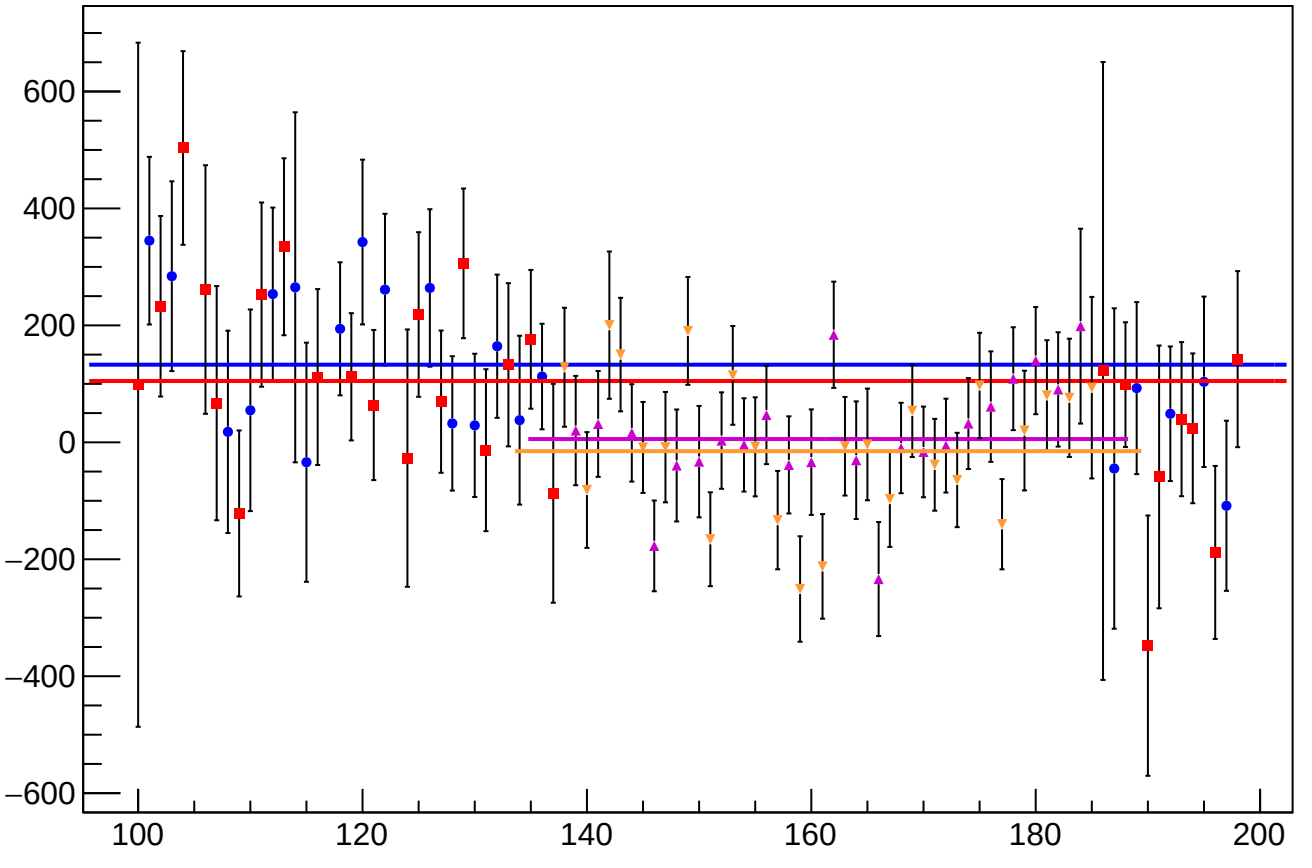
Right: 85.136+/-369.292 χ^2/NDF: 51.3/47

In: -94.873+/-190.331 χ^2/NDF:56.9/43

Out: -537.362+/-185.083 χ^2/NDF:92.0/51

All: -322.301+/-132.690 χ^2/NDF: 151.6/95


asym_sam_24_68_dd_reg_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
Right In: 1595.088+/-0.369 χ²/NDF: 2351002.5/20
Left Out: 860.492+/-0.140 χ²/NDF:699252.0/24
Right Out: 1760.870+/-0.370 χ²/NDF: 2792047.5/26
Left In: 866.351+/-0.145 χ²/NDF:613257.7/22
Left: 863.326+/-0.101 χ²/NDF: 1313357.9/47
Right: 1677.714+/-0.261 χ²/NDF: 5243813.0/47
In: 963.448+/-0.135 χ²/NDF:6350247.6/43
Out: 973.211+/-0.131 χ²/NDF:8674899.7/51
All: 968.466+/-0.094 χ²/NDF: 15027852.2/95



Right In: 132.775+/-30.347 χ^2/NDF: 15.5/20

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 104.873+/-28.942 χ^2/NDF: 27.9/26

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

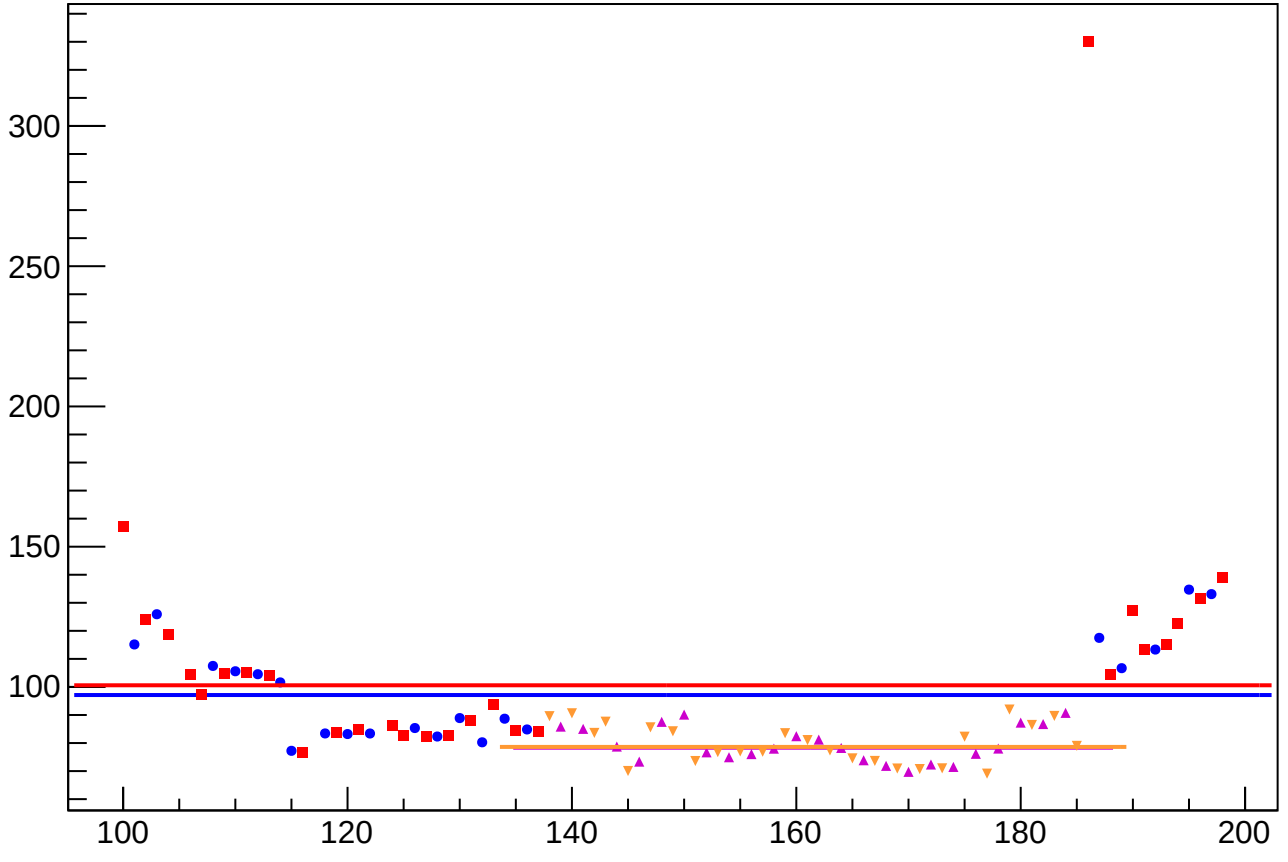
Right: 118.163+/-20.944 χ^2/NDF: 43.9/47

In: 39.754+/-15.722 χ^2/NDF:51.4/43

Out: 18.249+/-15.259 χ^2/NDF:82.0/51

All: 28.680+/-10.950 χ^2/NDF: 134.3/95

cor_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 97.116+/-0.021 χ^2/NDF: 655609.3/20

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 100.591+/-0.020 χ^2/NDF: 1140229.2/26

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

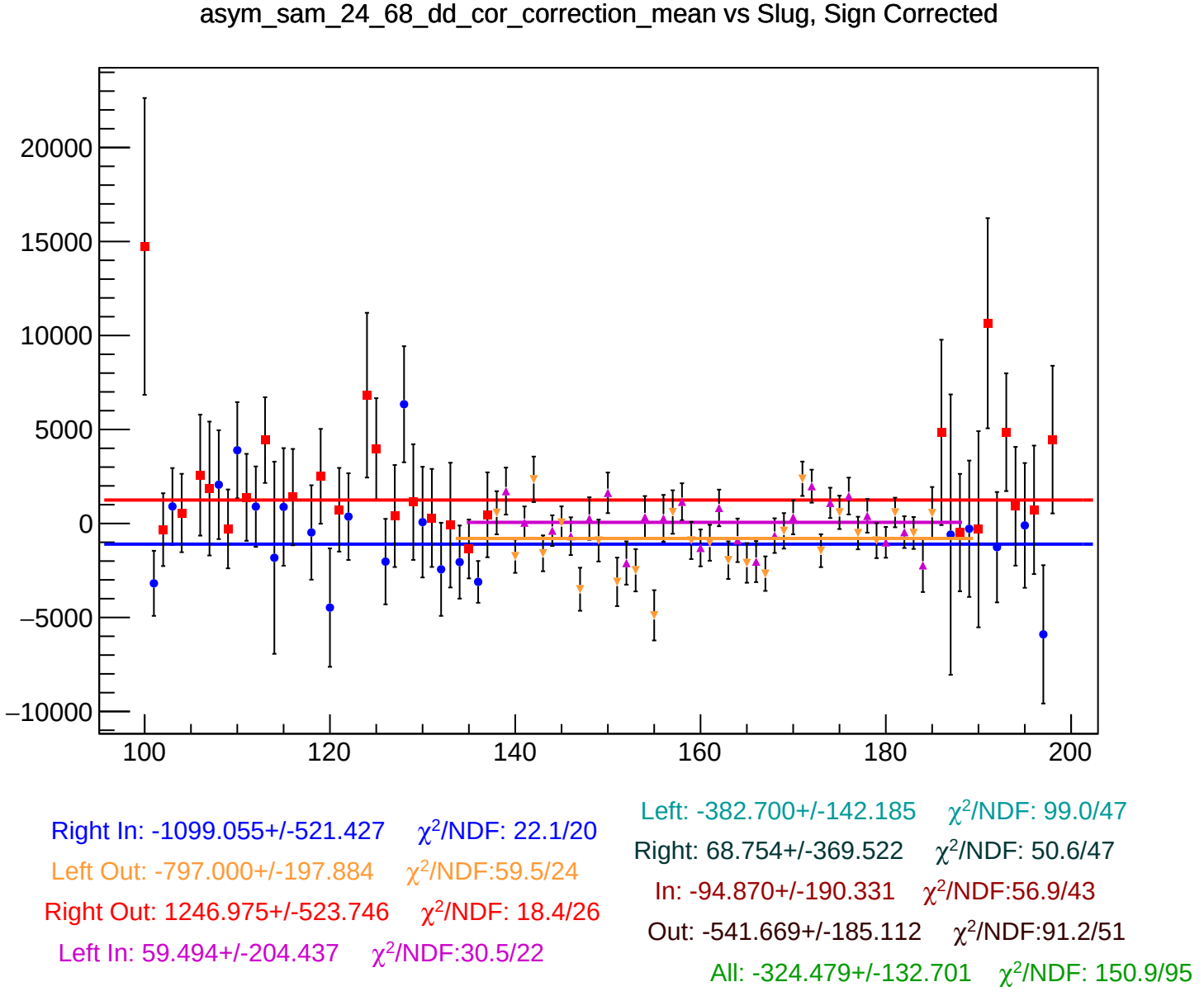
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

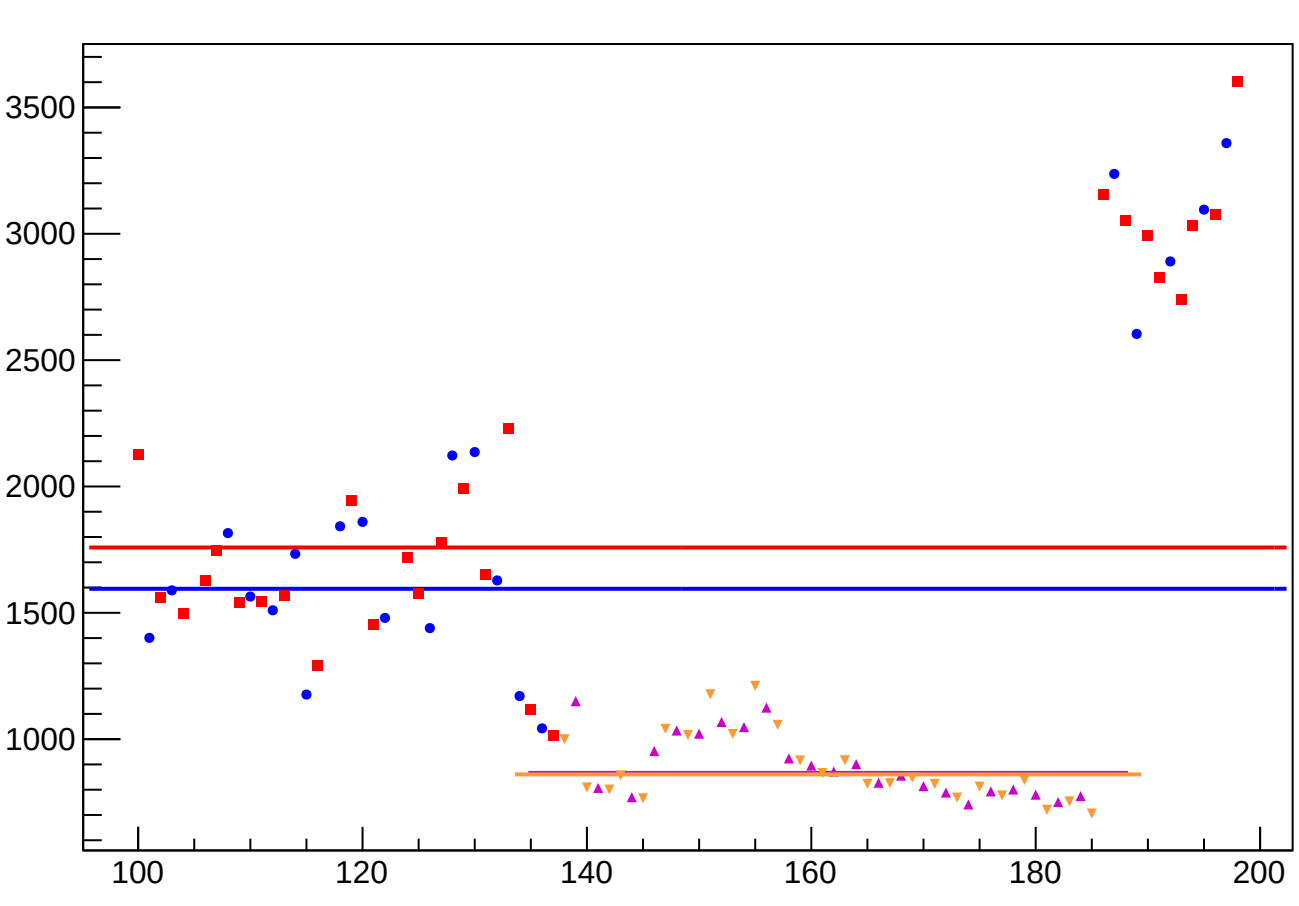
Right: 98.936+/-0.015 χ^2/NDF: 1809577.8/47

In: 83.376+/-0.011 χ^2/NDF:1425187.2/43

Out: 84.726+/-0.011 χ^2/NDF:2279872.5/51

All: 84.071+/-0.008 χ^2/NDF: 3712657.2/95


asym_sam_24_68_dd_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1099.055+/-521.427 χ²/NDF: 22.1/20
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: 1246.975+/-523.746 χ²/NDF: 18.4/26
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: 68.754+/-369.522 χ²/NDF: 50.6/47
In: -94.870+/-190.331 χ²/NDF:56.9/43
Out: -541.669+/-185.112 χ²/NDF:91.2/51
All: -324.479+/-132.701 χ²/NDF: 150.9/95



Right In: 1595.092+/-0.369 χ^2/NDF: 2351002.1/20

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1758.535+/-0.370 χ^2/NDF: 2794925.5/26

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

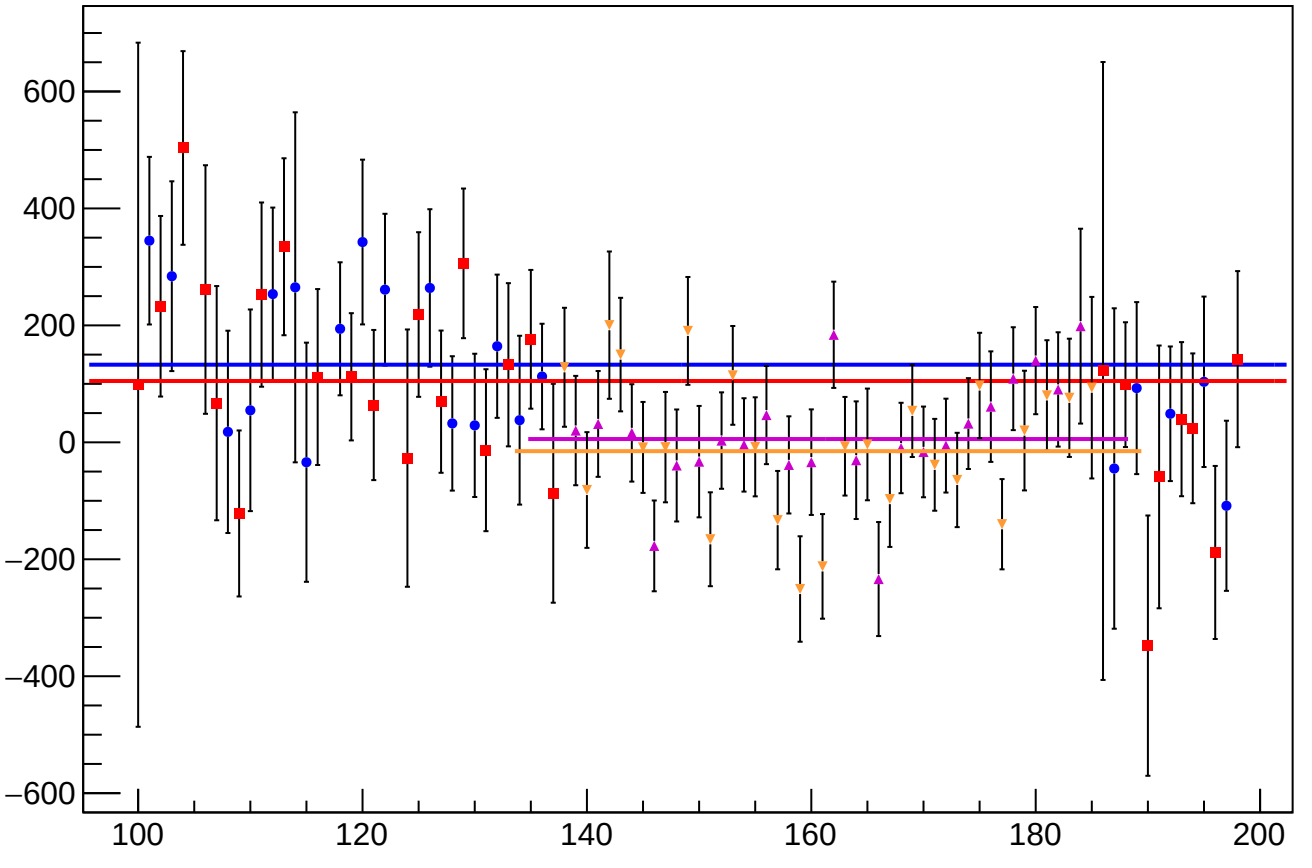
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1676.451+/-0.261 χ^2/NDF: 5243744.7/47

In: 963.448+/-0.135 χ^2/NDF:6350264.2/43

Out: 972.674+/-0.131 χ^2/NDF:8639710.2/51

All: 968.190+/-0.094 χ^2/NDF: 14992389.5/95



Right In: 132.775+/-30.347 χ^2/NDF: 15.5/20

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 104.873+/-28.942 χ^2/NDF: 27.9/26

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

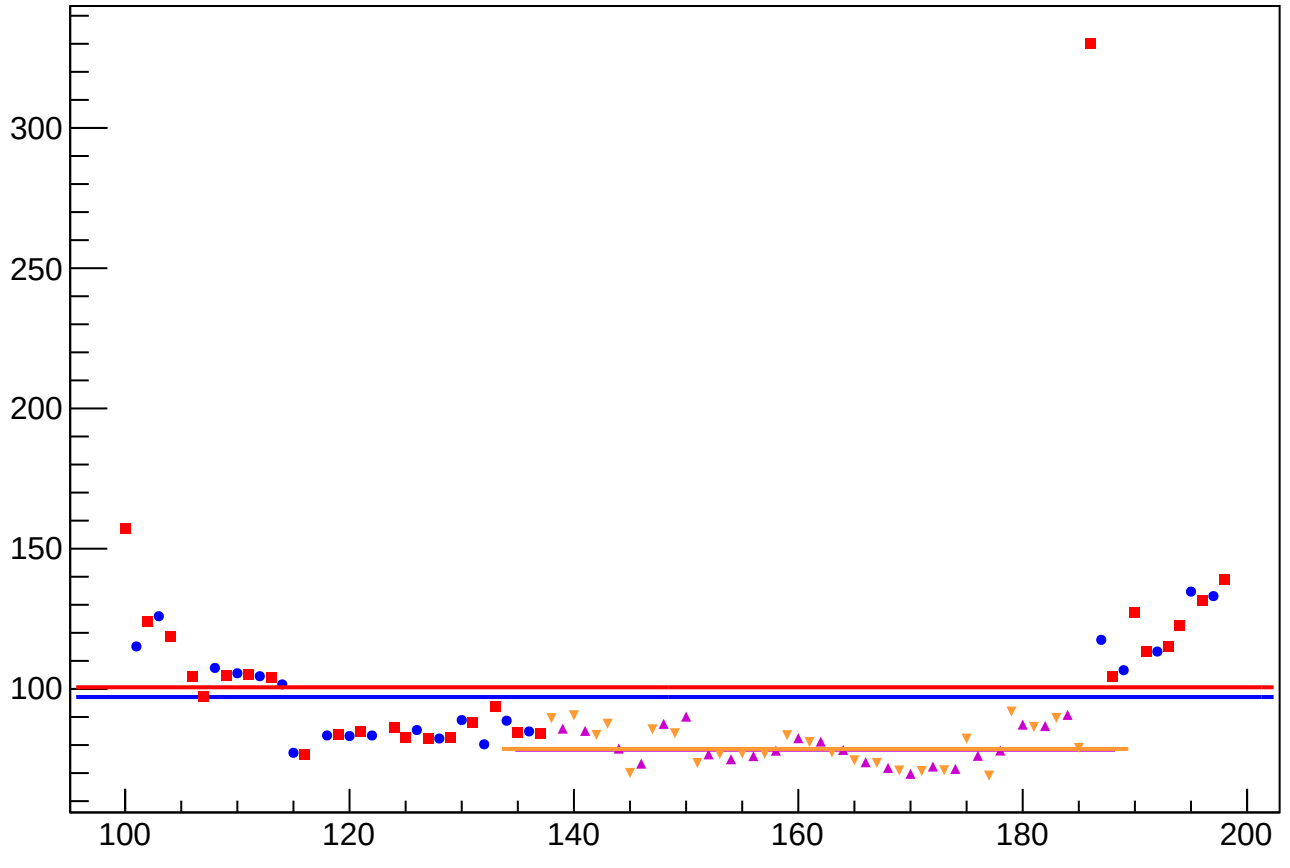
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 118.163+/-20.944 χ^2/NDF: 43.9/47

In: 39.754+/-15.722 χ^2/NDF:51.4/43

Out: 18.249+/-15.259 χ^2/NDF:82.0/51

All: 28.680+/-10.950 χ^2/NDF: 134.3/95



Right In: 97.116+/-0.021 χ^2/NDF: 655609.3/20

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 100.591+/-0.020 χ^2/NDF: 1140229.2/26

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

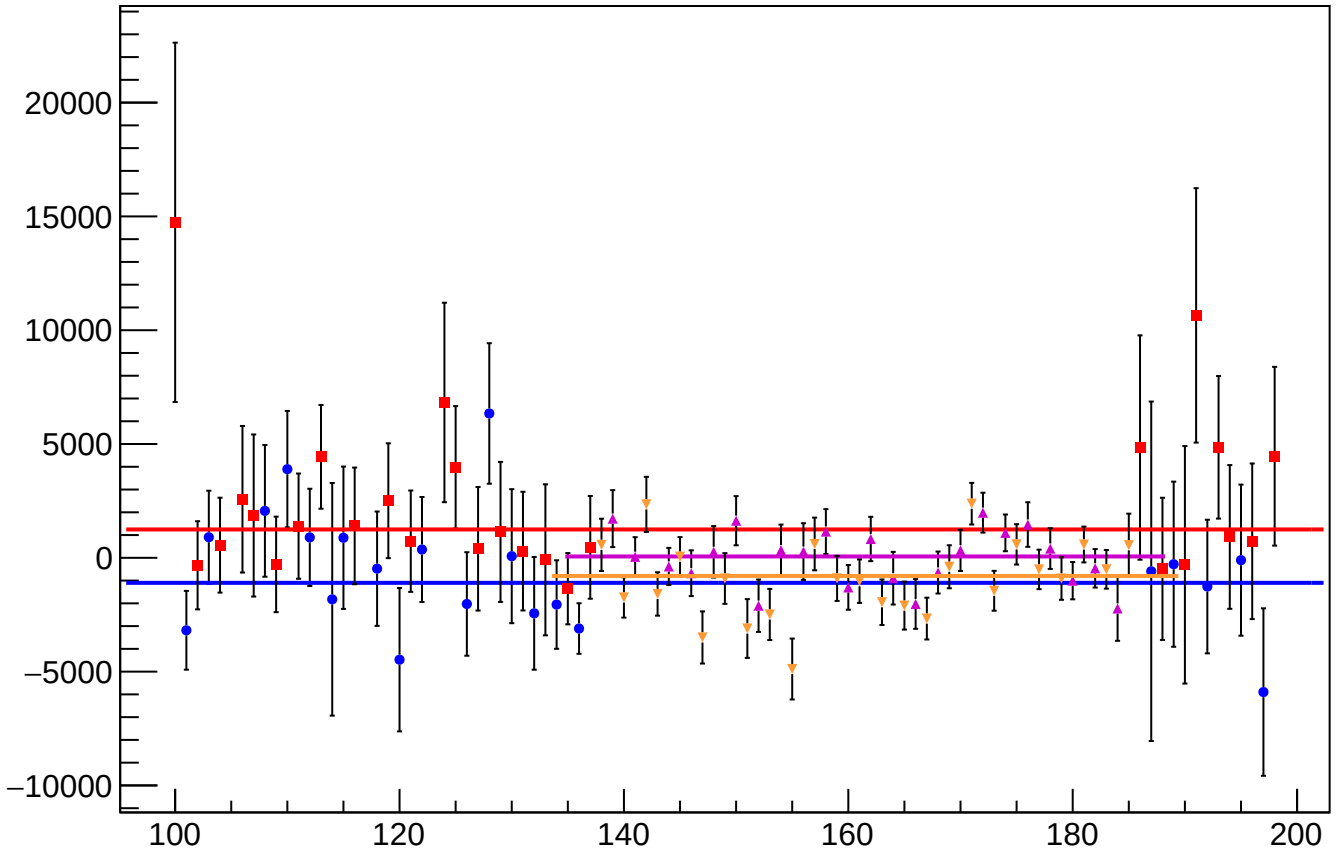
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 98.936+/-0.015 χ^2/NDF: 1809577.8/47

In: 83.376+/-0.011 χ^2/NDF:1425187.2/43

Out: 84.726+/-0.011 χ^2/NDF:2279872.5/51

All: 84.071+/-0.008 χ^2/NDF: 3712657.2/95



Right In: -1099.055+/-521.427 χ^2/NDF: 22.1/20

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1246.975+/-523.746 χ^2/NDF: 18.4/26

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

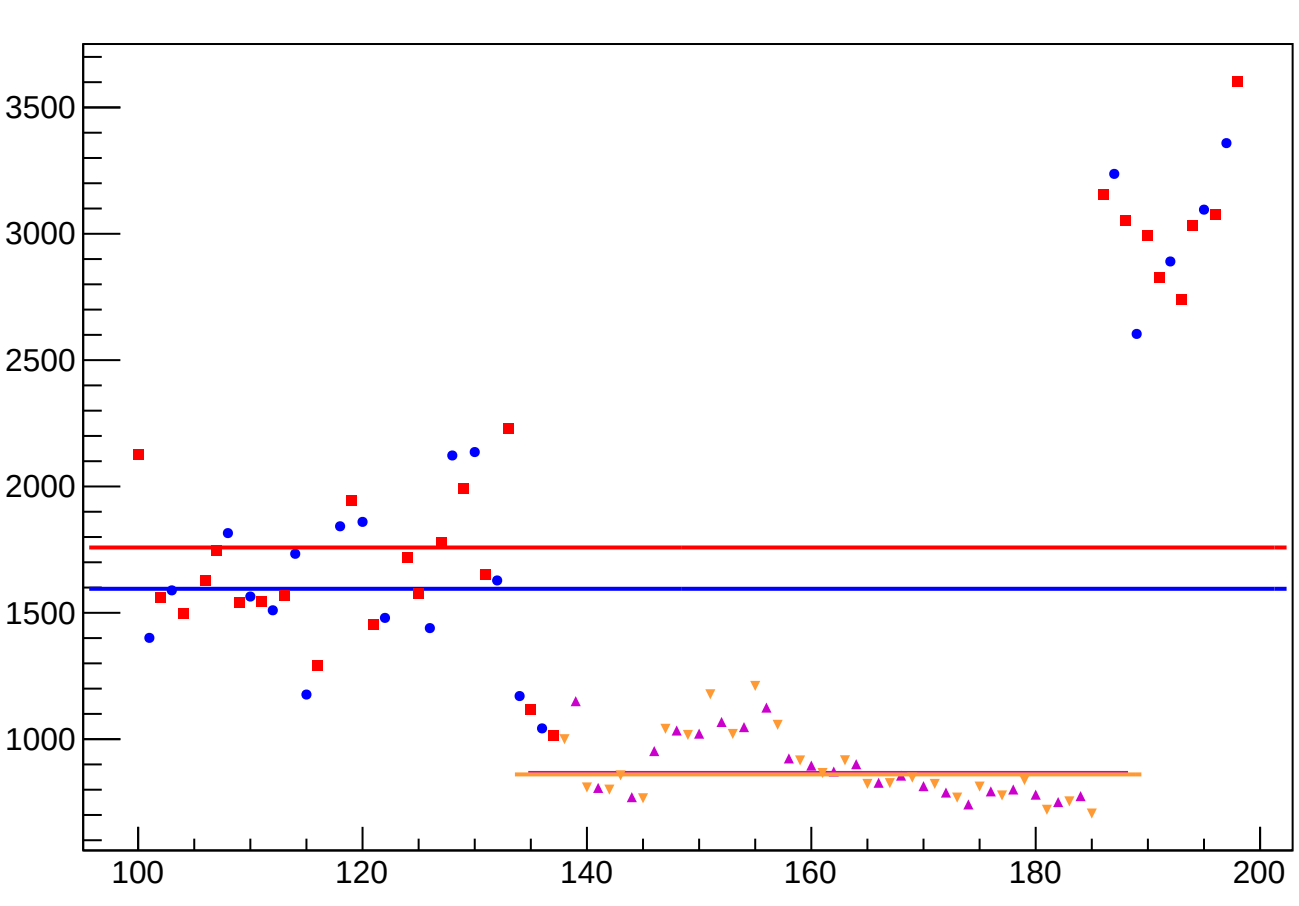
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: 68.754+/-369.522 χ^2/NDF: 50.6/47

In: -94.870+/-190.331 χ^2/NDF:56.9/43

Out: -541.669+/-185.112 χ^2/NDF:91.2/51

All: -324.479+/-132.701 χ^2/NDF: 150.9/95



Right In: 1595.092+/-0.369 χ^2/NDF: 2351002.1/20

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1758.535+/-0.370 χ^2/NDF: 2794925.5/26

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

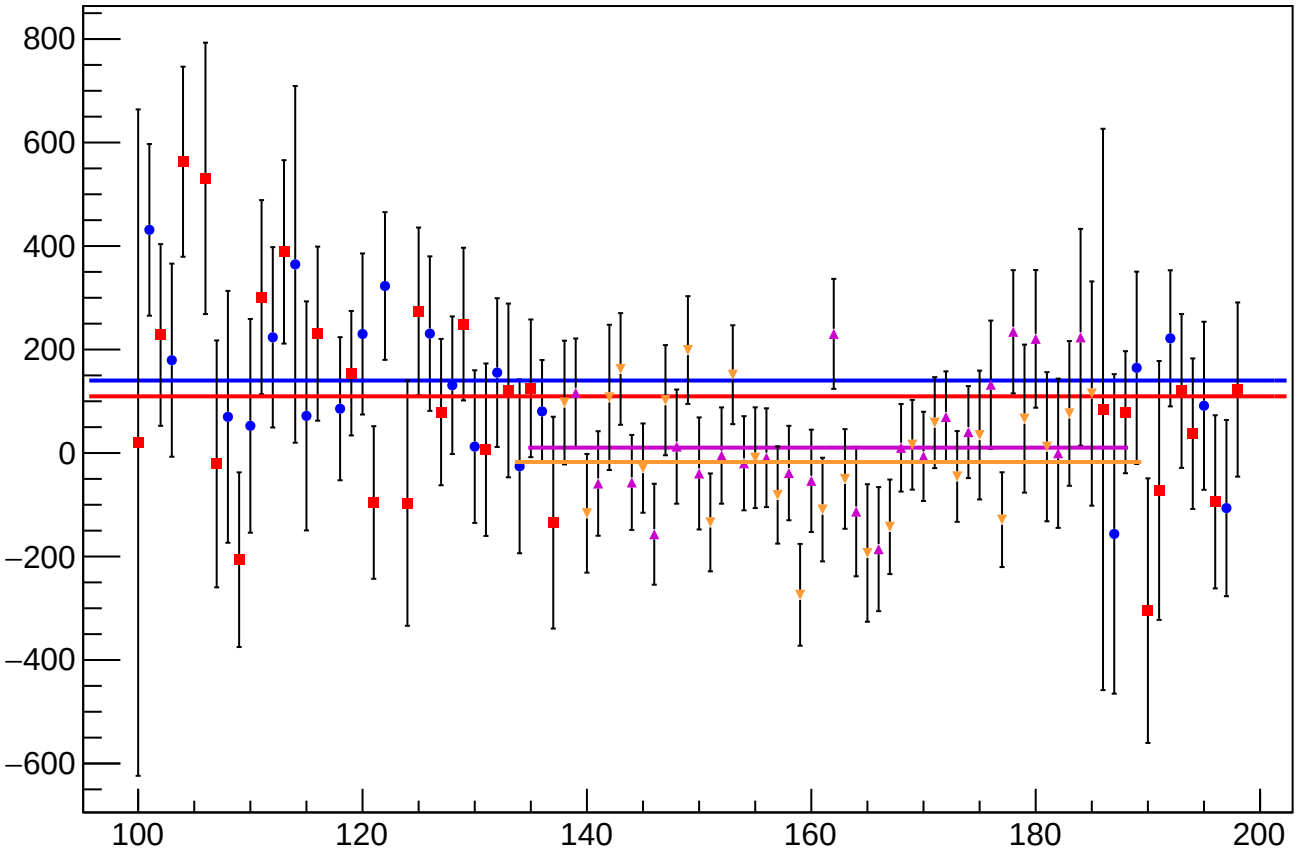
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1676.451+/-0.261 χ^2/NDF: 5243744.7/47

In: 963.448+/-0.135 χ^2/NDF:6350264.2/43

Out: 972.674+/-0.131 χ^2/NDF:8639710.2/51

All: 968.190+/-0.094 χ^2/NDF: 14992389.5/95



Right In: 140.114+/-35.086 χ^2/NDF: 12.2/20

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 109.540+/-33.037 χ^2/NDF: 28.6/26

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

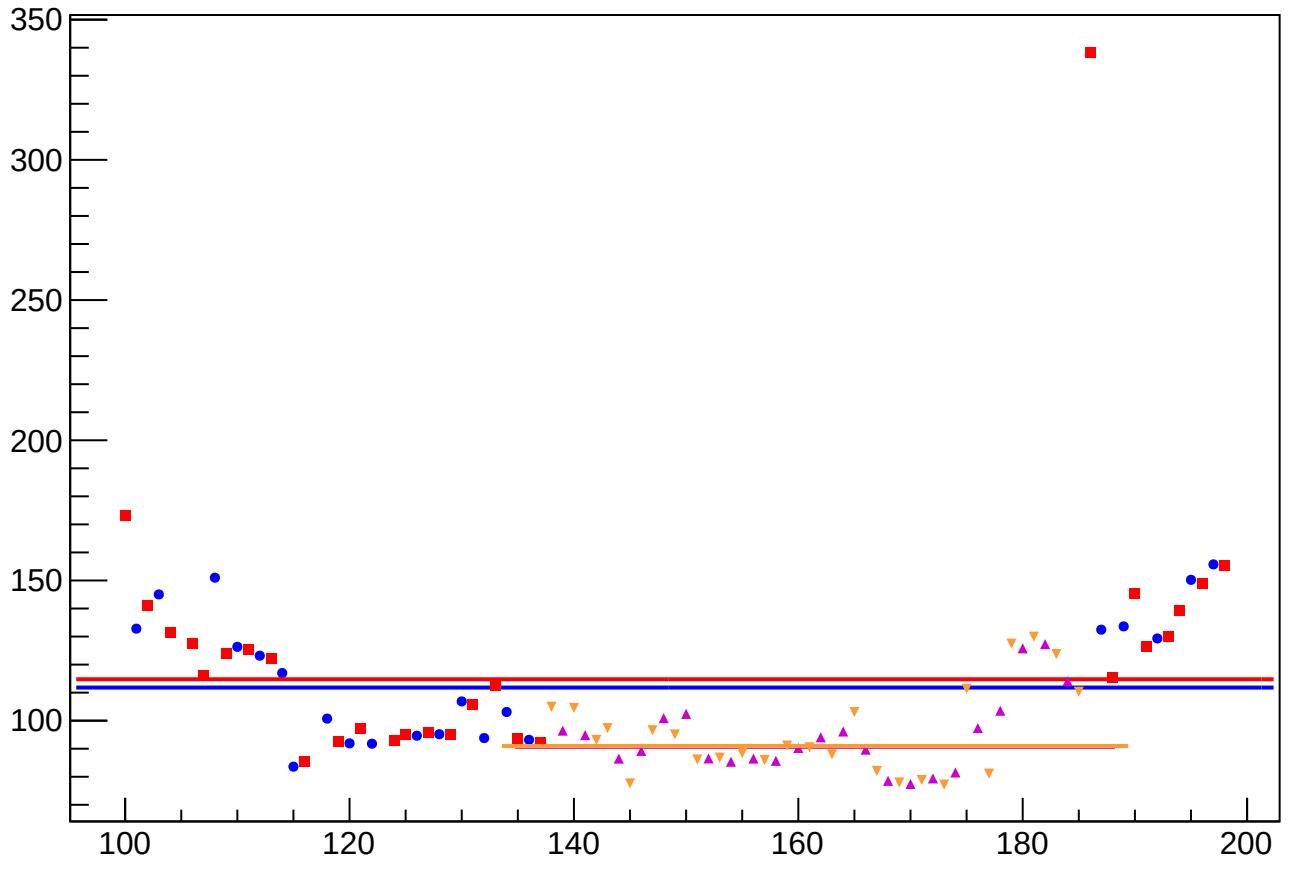
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 123.909+/-24.052 χ^2/NDF: 41.2/47

In: 45.828+/-18.334 χ^2/NDF:44.8/43

Out: 19.129+/-17.715 χ^2/NDF:70.3/51

All: 32.020+/-12.739 χ^2/NDF: 116.2/95



Right In: 111.807+/-0.025 χ^2/NDF: 768057.9/20

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 114.774+/-0.023 χ^2/NDF: 1103505.5/26

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

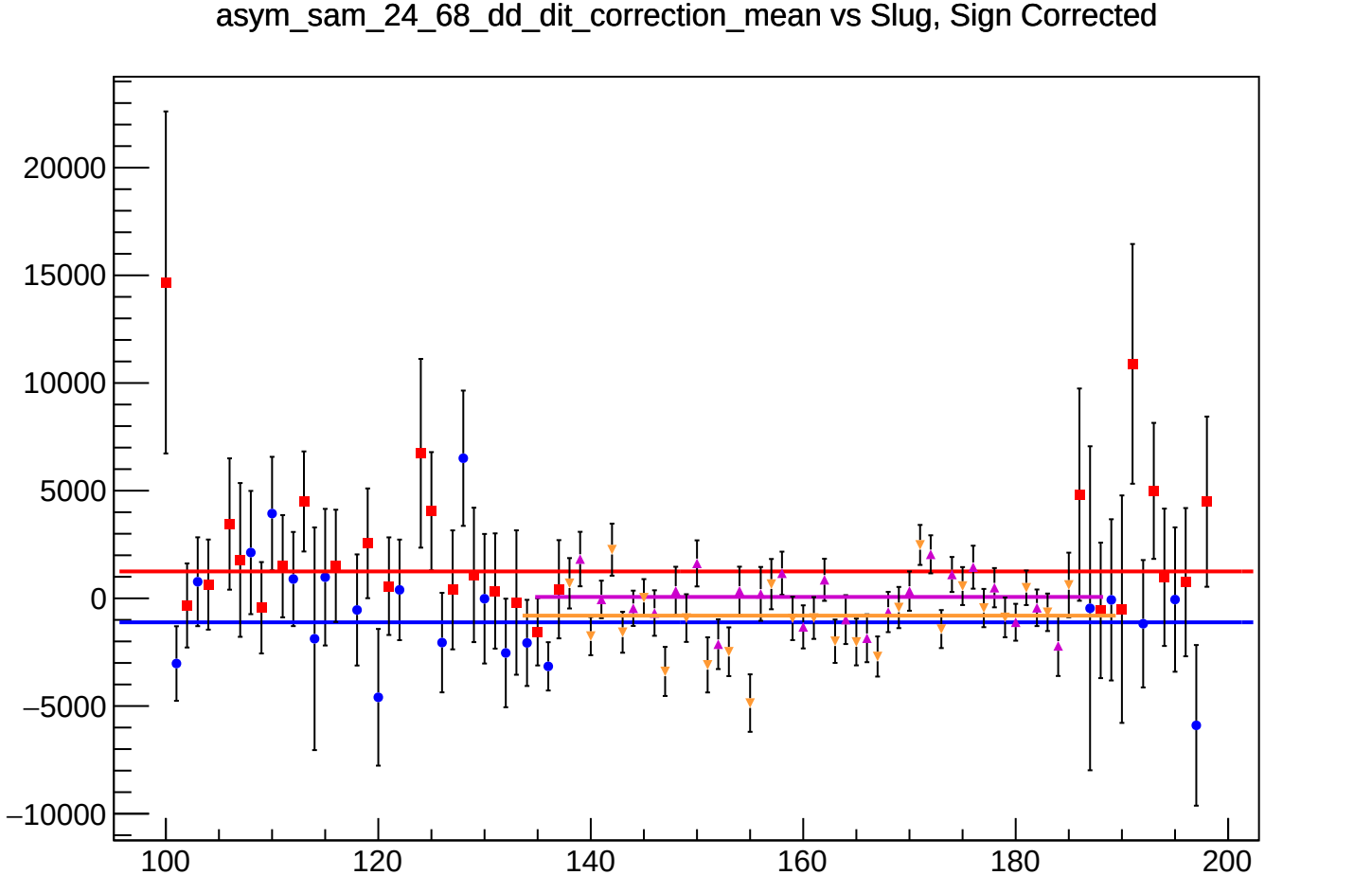
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

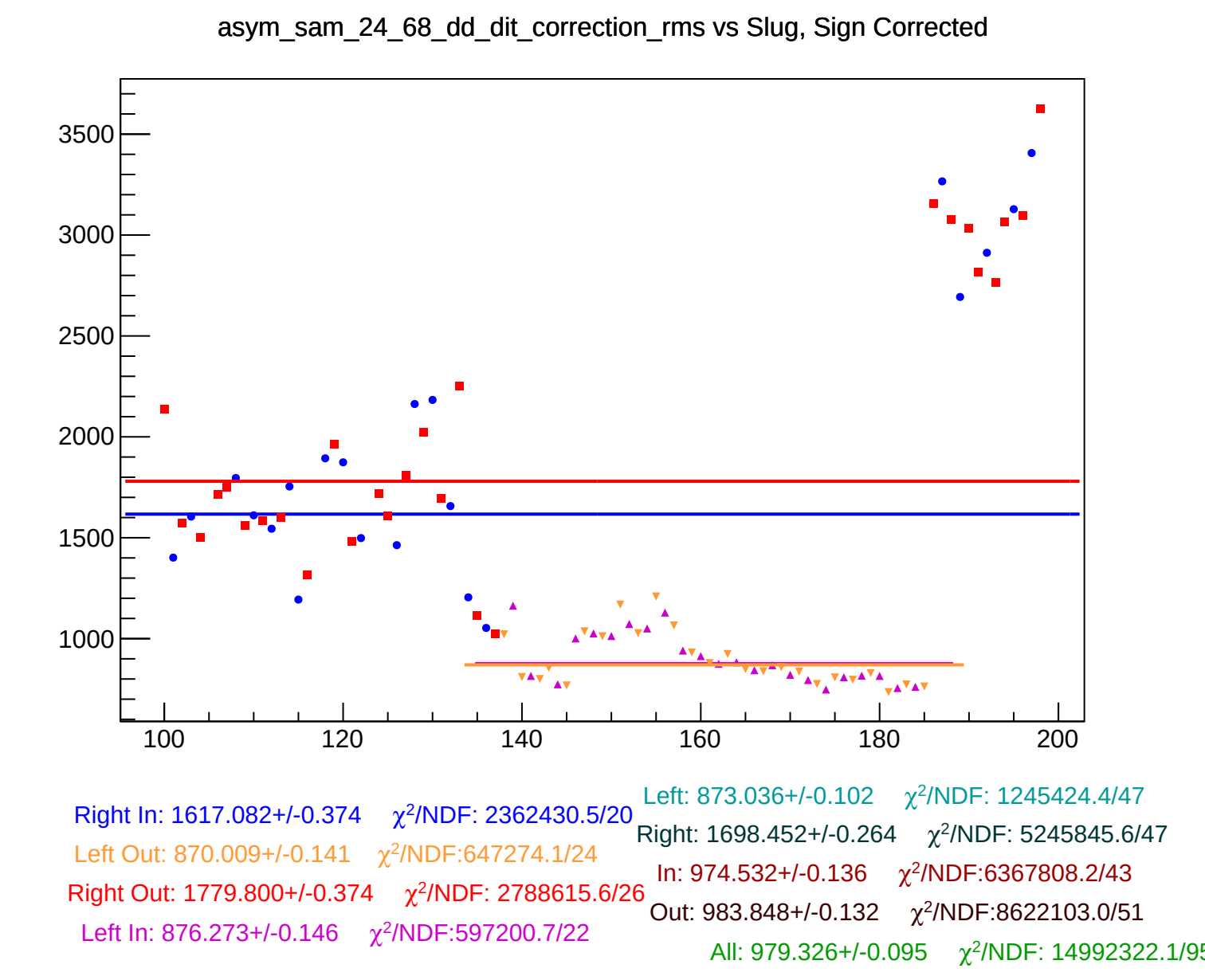
Right: 113.379+/-0.017 χ^2/NDF: 1879144.9/47

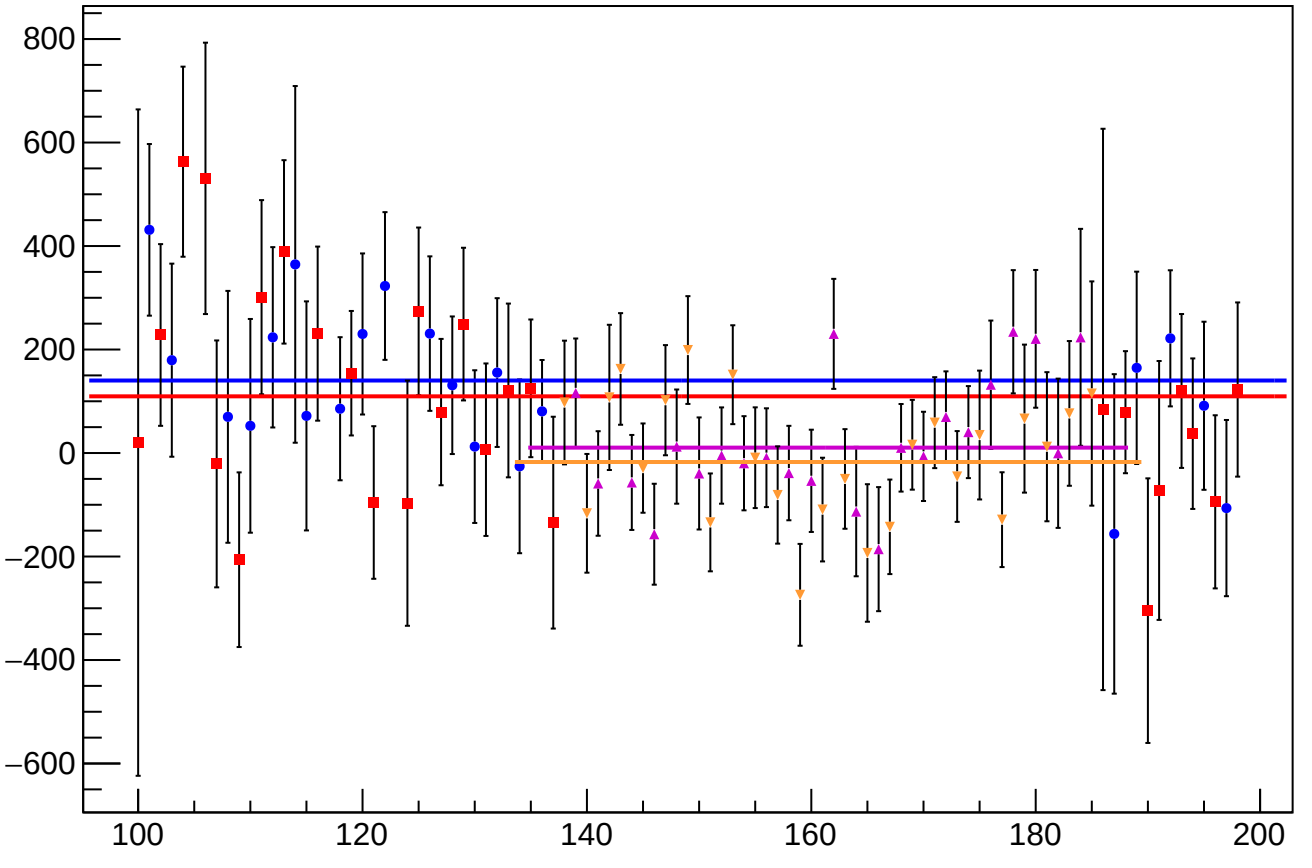
In: 96.456+/-0.013 χ^2/NDF:1840673.3/43

Out: 97.812+/-0.013 χ^2/NDF:2627993.0/51

All: 97.157+/-0.009 χ^2/NDF: 4474321.8/95


asym_sam_24_68_dd_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1112.658+/-528.519 χ²/NDF: 21.9/20
Left Out: -802.532+/-199.851 χ²/NDF:58.3/24
Right Out: 1250.014+/-528.450 χ²/NDF: 19.5/26
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: 68.831+/-373.695 χ²/NDF: 51.4/47
In: -91.012+/-192.483 χ²/NDF:56.9/43
Out: -545.704+/-186.930 χ²/NDF:91.1/51
All: -325.012+/-134.100 χ²/NDF: 150.8/95


asym_sam_24_68_dd_dit_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
Right In: 1617.082+/-0.374 χ²/NDF: 2362430.5/20
Left Out: 870.009+/-0.141 χ²/NDF:647274.1/24
Right Out: 1779.800+/-0.374 χ²/NDF: 2788615.6/26
Left In: 876.273+/-0.146 χ²/NDF:597200.7/22
Left: 873.036+/-0.102 χ²/NDF: 1245424.4/47
Right: 1698.452+/-0.264 χ²/NDF: 5245845.6/47
In: 974.532+/-0.136 χ²/NDF:6367808.2/43
Out: 983.848+/-0.132 χ²/NDF:8622103.0/51
All: 979.326+/-0.095 χ²/NDF: 14992322.1/95



Right In: 140.116+/-35.085 χ^2/NDF: 12.2/20

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 109.540+/-33.037 χ^2/NDF: 28.6/26

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

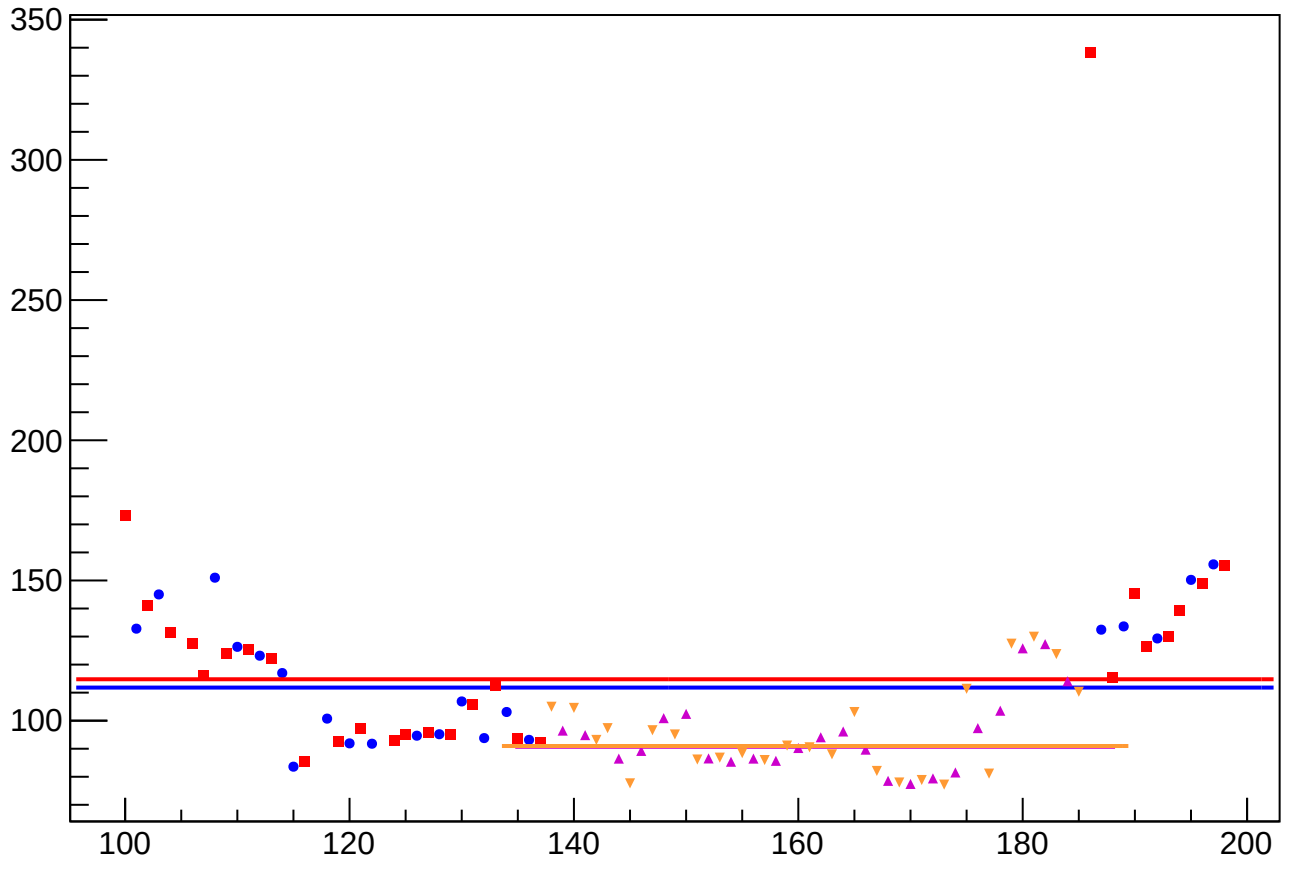
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 123.909+/-24.052 χ^2/NDF: 41.2/47

In: 45.829+/-18.334 χ^2/NDF:44.8/43

Out: 19.129+/-17.715 χ^2/NDF:70.3/51

All: 32.020+/-12.739 χ^2/NDF: 116.2/95



Right In: 111.806+/-0.025 χ^2/NDF: 768076.7/20

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

Right Out: 114.773+/-0.023 χ^2/NDF: 1103520.0/26

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

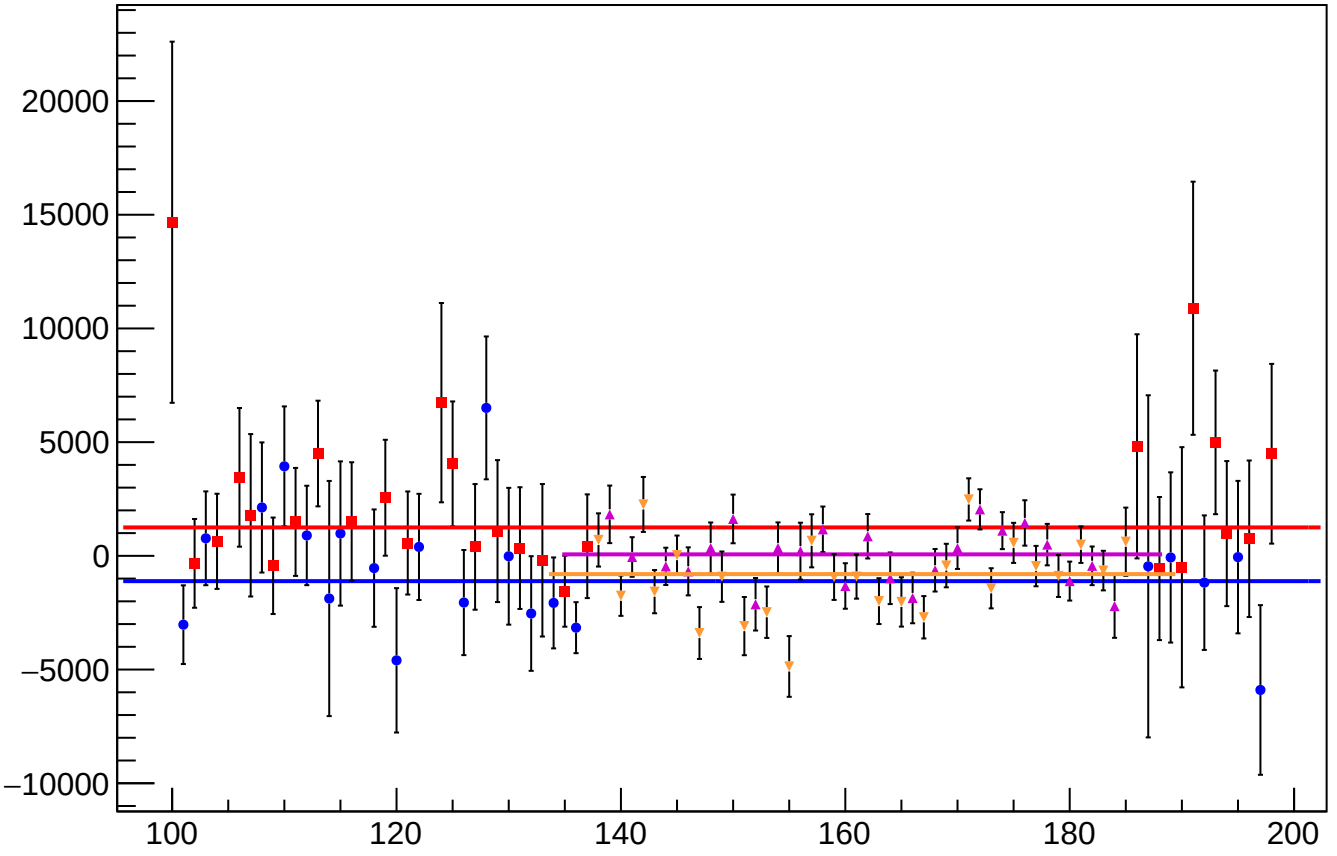
Right: 113.378+/-0.017 χ^2/NDF: 1879179.9/47

In: 96.456+/-0.013 χ^2/NDF:1840643.0/43

Out: 97.812+/-0.013 χ^2/NDF:2627972.1/51

All: 97.157+/-0.009 χ^2/NDF: 4474272.1/95

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1112.654+/-528.518 χ^2/NDF: 21.9/20

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

Right Out: 1250.013+/-528.450 χ^2/NDF: 19.5/26

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

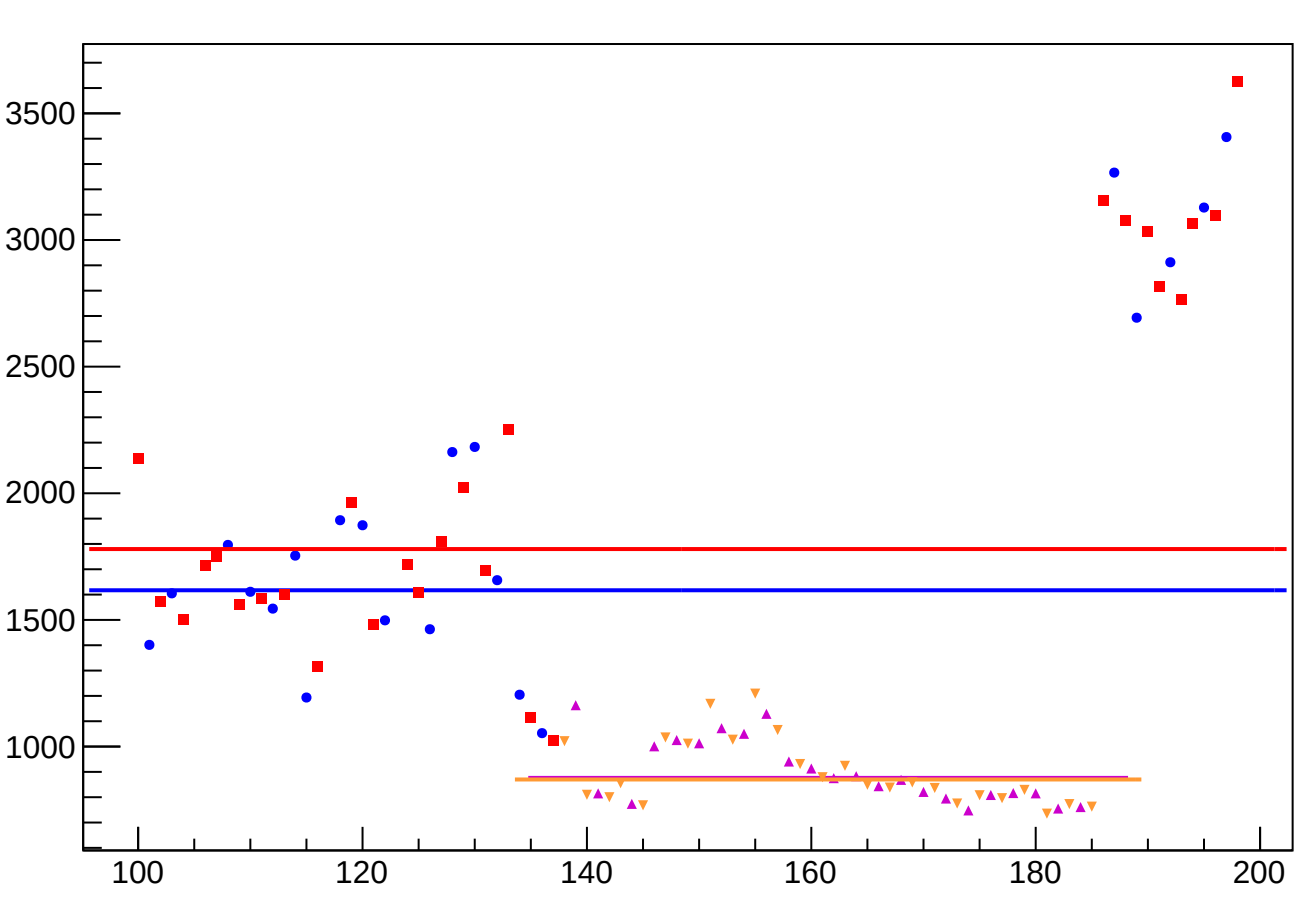
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: 68.833+/-373.695 χ^2/NDF: 51.4/47

In: -91.012+/-192.483 χ^2/NDF:56.9/43

Out: -545.703+/-186.930 χ^2/NDF:91.1/51

All: -325.011+/-134.100 χ^2/NDF: 150.8/95



Right In: 1617.079+/-0.374 χ^2/NDF: 2362432.0/20

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1779.797+/-0.374 χ^2/NDF: 2788622.7/26

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

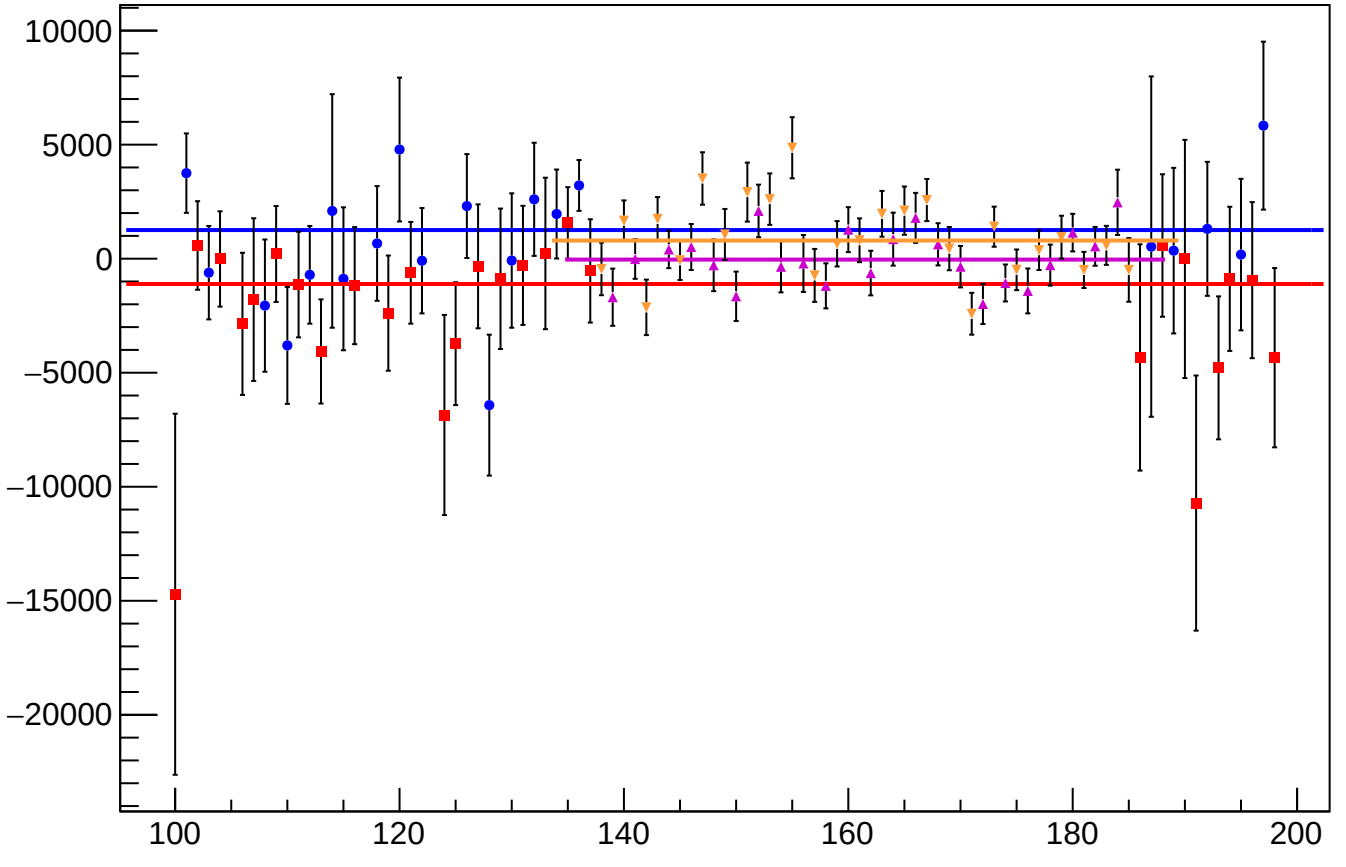
Right: 1698.449+/-0.264 χ^2/NDF: 5245854.0/47

In: 974.531+/-0.136 χ^2/NDF:6367802.3/43

Out: 983.847+/-0.132 χ^2/NDF:8622098.6/51

All: 979.325+/-0.095 χ^2/NDF: 14992311.8/95

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1254.909+/-522.767 χ^2/NDF: 22.9/20

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: -1110.114+/-524.329 χ^2/NDF: 18.5/26

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

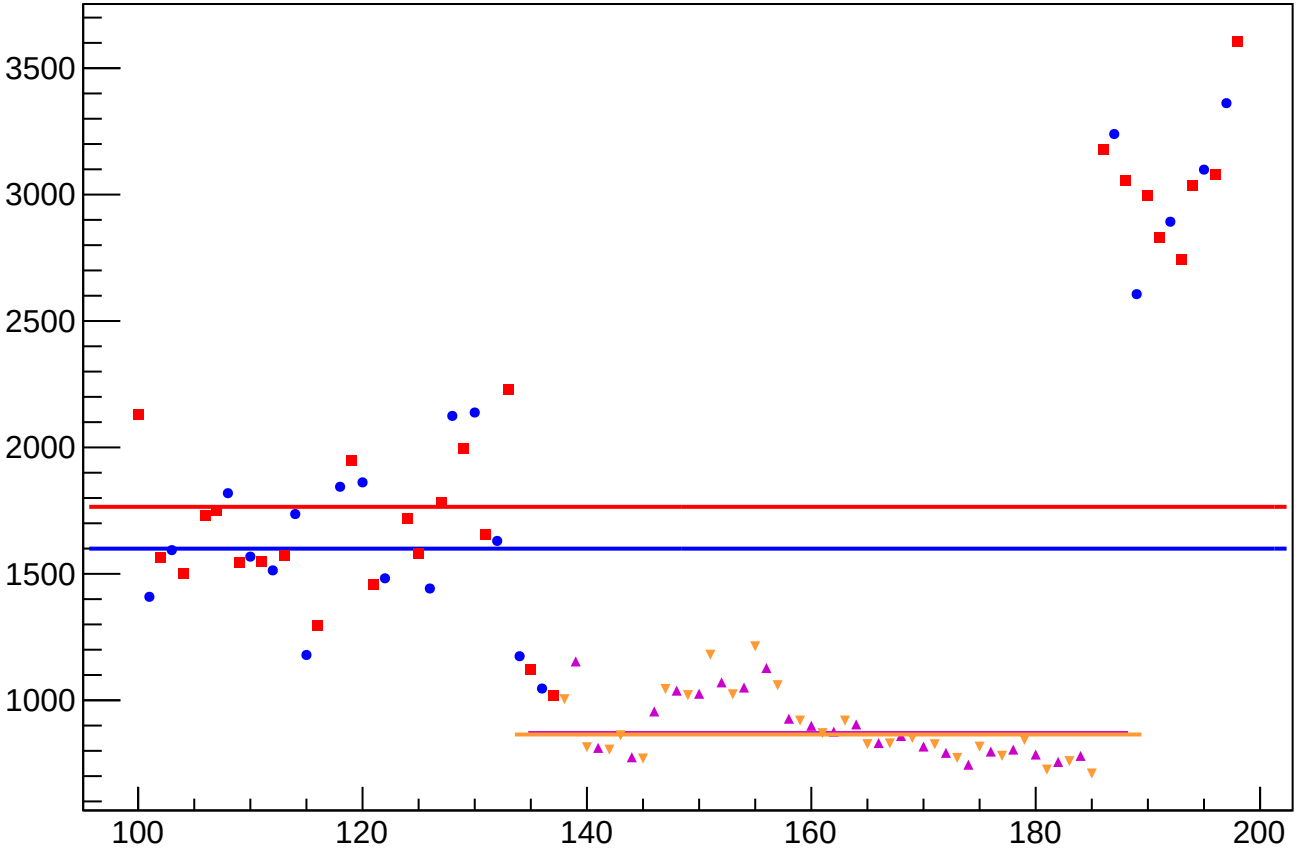
Right: 75.925+/-370.203 χ^2/NDF: 51.5/47

In: 133.317+/-191.132 χ^2/NDF:57.9/43

Out: 556.672+/-185.889 χ^2/NDF:87.2/51

All: 350.881+/-133.258 χ^2/NDF: 147.6/95

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1599.748+/-0.370 χ^2/NDF: 2339095.4/20

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

Right Out: 1765.100+/-0.371 χ^2/NDF: 2783265.3/26

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

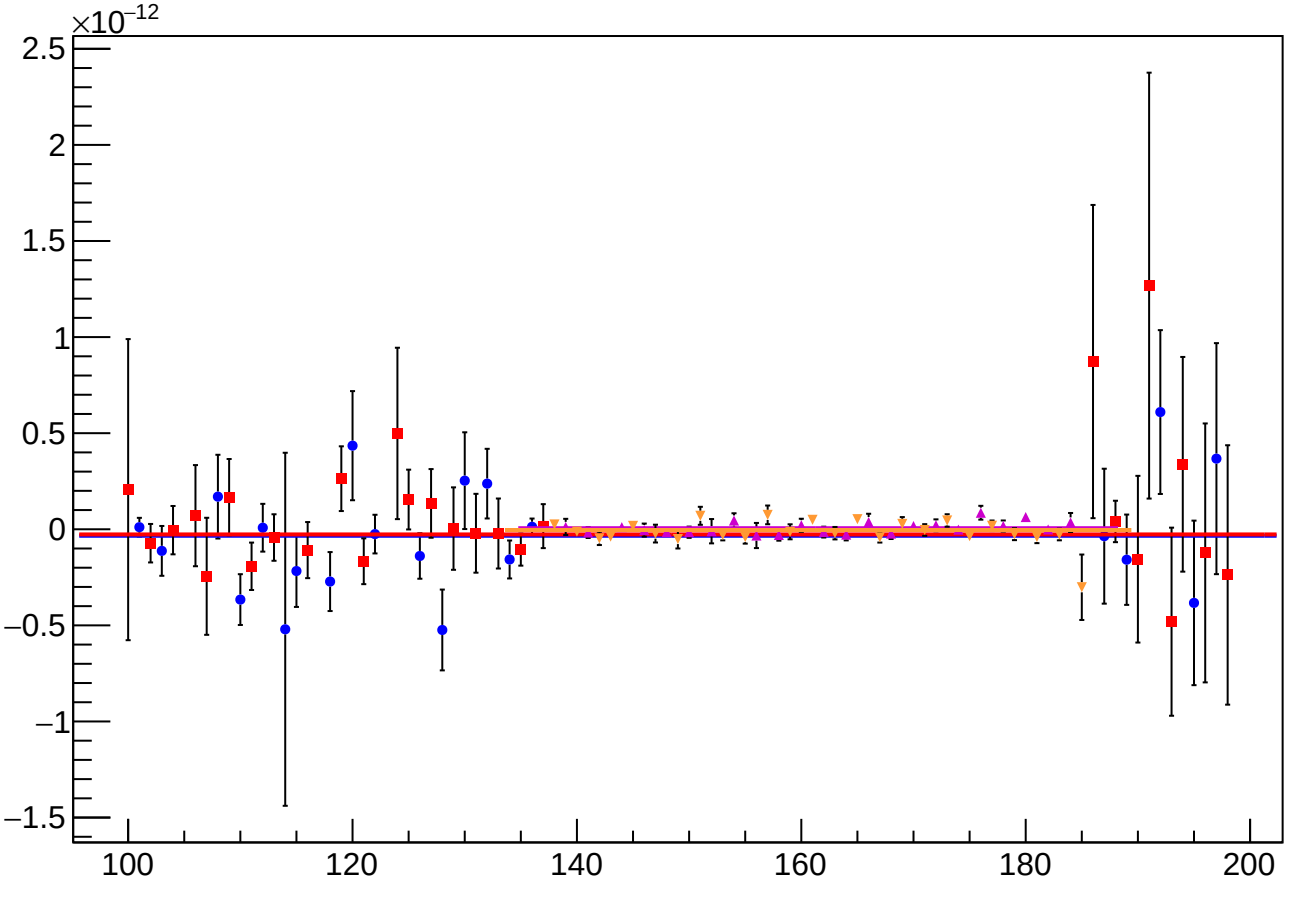
Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

Right: 1682.177+/-0.262 χ^2/NDF: 5222109.7/47

In: 967.849+/-0.135 χ^2/NDF:6316704.1/43

Out: 977.816+/-0.131 χ^2/NDF:8629494.2/51

All: 972.971+/-0.094 χ^2/NDF: 14948993.1/95



Right In: -0.000+/-0.000 χ^2/NDF: 31.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/26

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

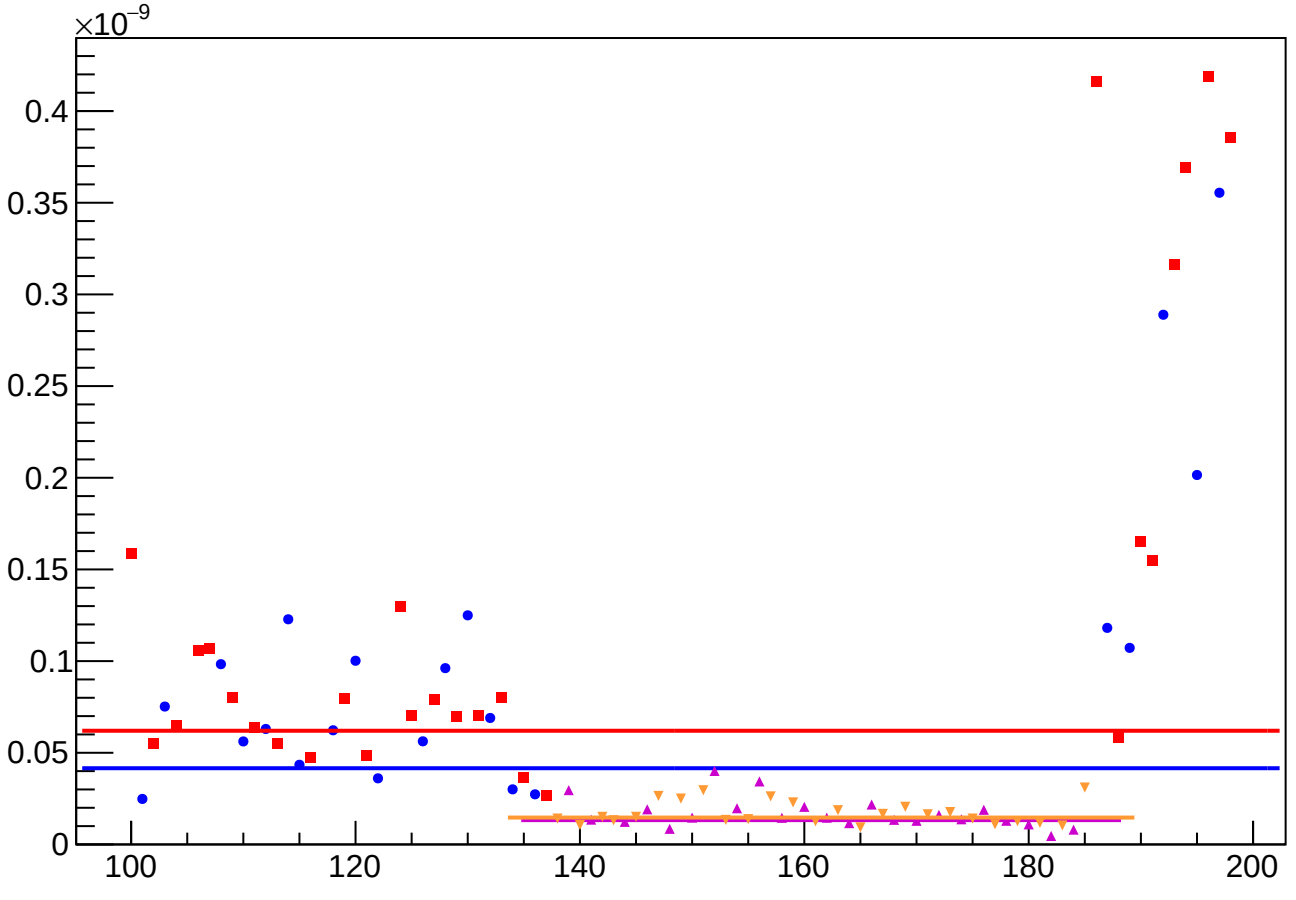
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 48.6/47

In: 0.000+/-0.000 χ^2/NDF:54.1/43

Out: -0.000+/-0.000 χ^2/NDF:56.7/51

All: -0.000+/-0.000 χ^2/NDF: 111.8/95



Right In: 0.000+/-0.000 χ^2/NDF: 3161734.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3377690.9/26

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

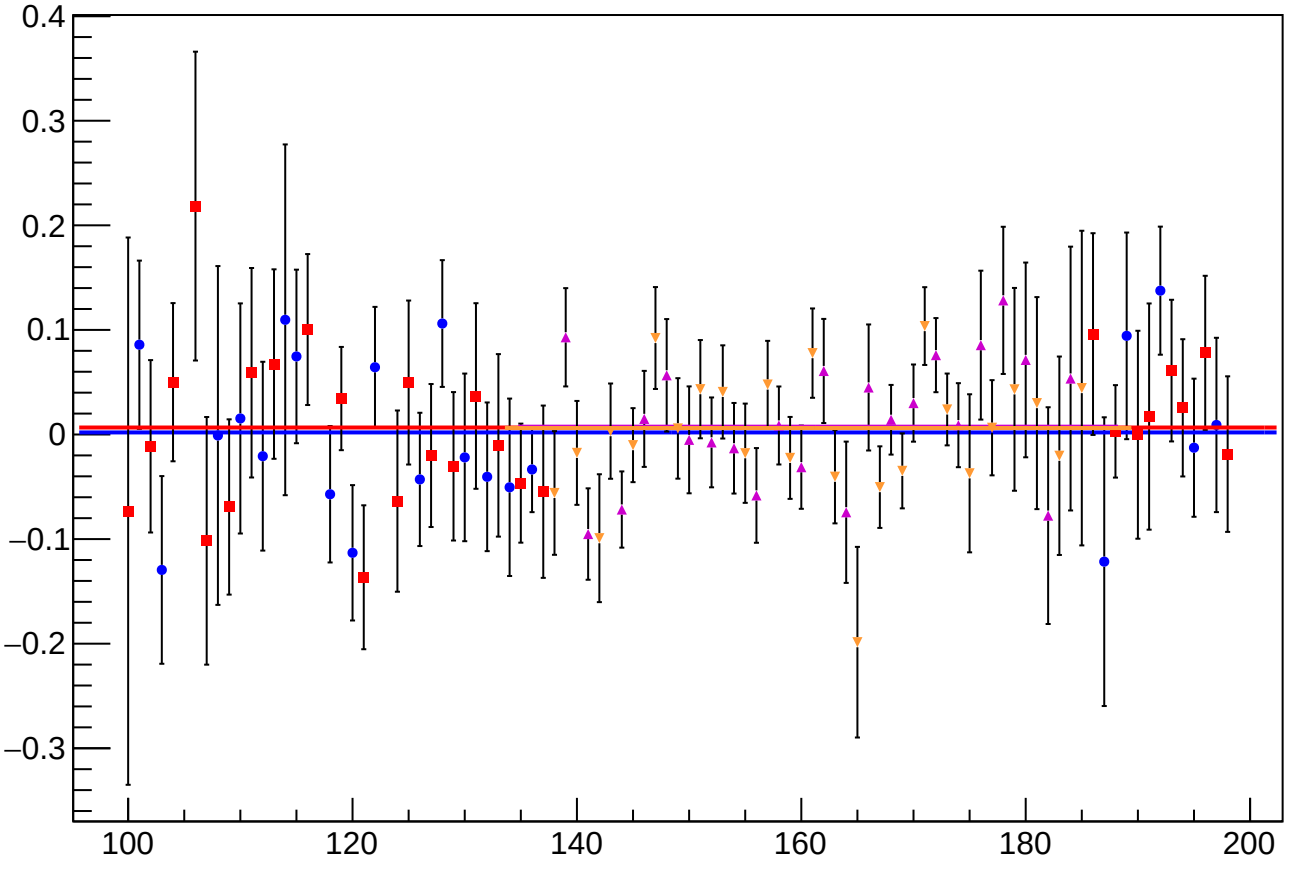
Right: 0.000+/-0.000 χ^2/NDF: 7051503.6/47

In: 0.000+/-0.000 χ^2/NDF:7606014.5/43

Out: 0.000+/-0.000 χ^2/NDF:8701603.2/51

All: 0.000+/-0.000 χ^2/NDF: 16367900.1/95

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.016 χ^2/NDF: 21.3/20

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.007+/-0.015 χ^2/NDF: 16.9/26

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

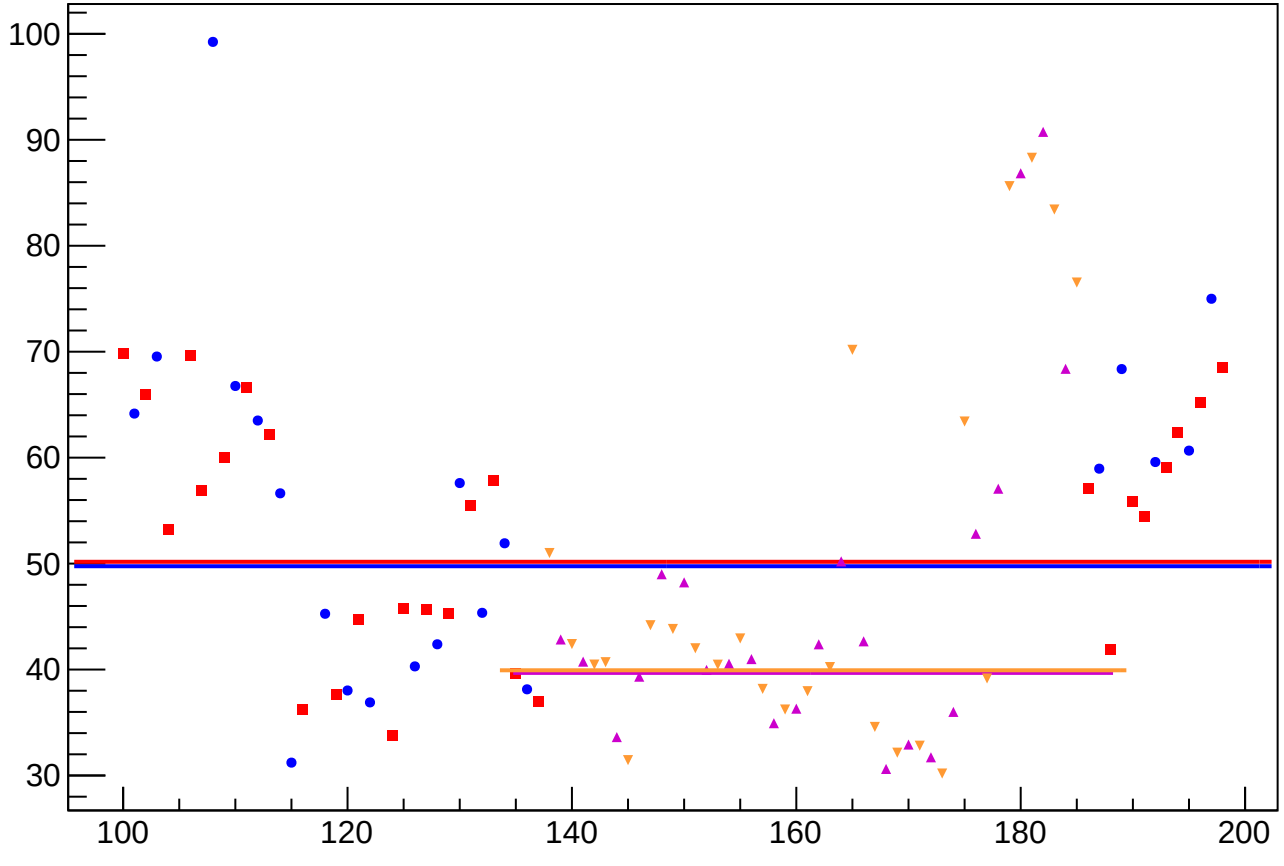
Right: 0.005+/-0.011 χ^2/NDF: 38.2/47

In: 0.006+/-0.008 χ^2/NDF:51.8/43

Out: 0.006+/-0.008 χ^2/NDF:47.7/51

All: 0.006+/-0.006 χ^2/NDF: 99.5/95

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.751+/-0.011 χ^2/NDF: 1353384.0/20

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 50.171+/-0.010 χ^2/NDF: 1097501.3/26

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

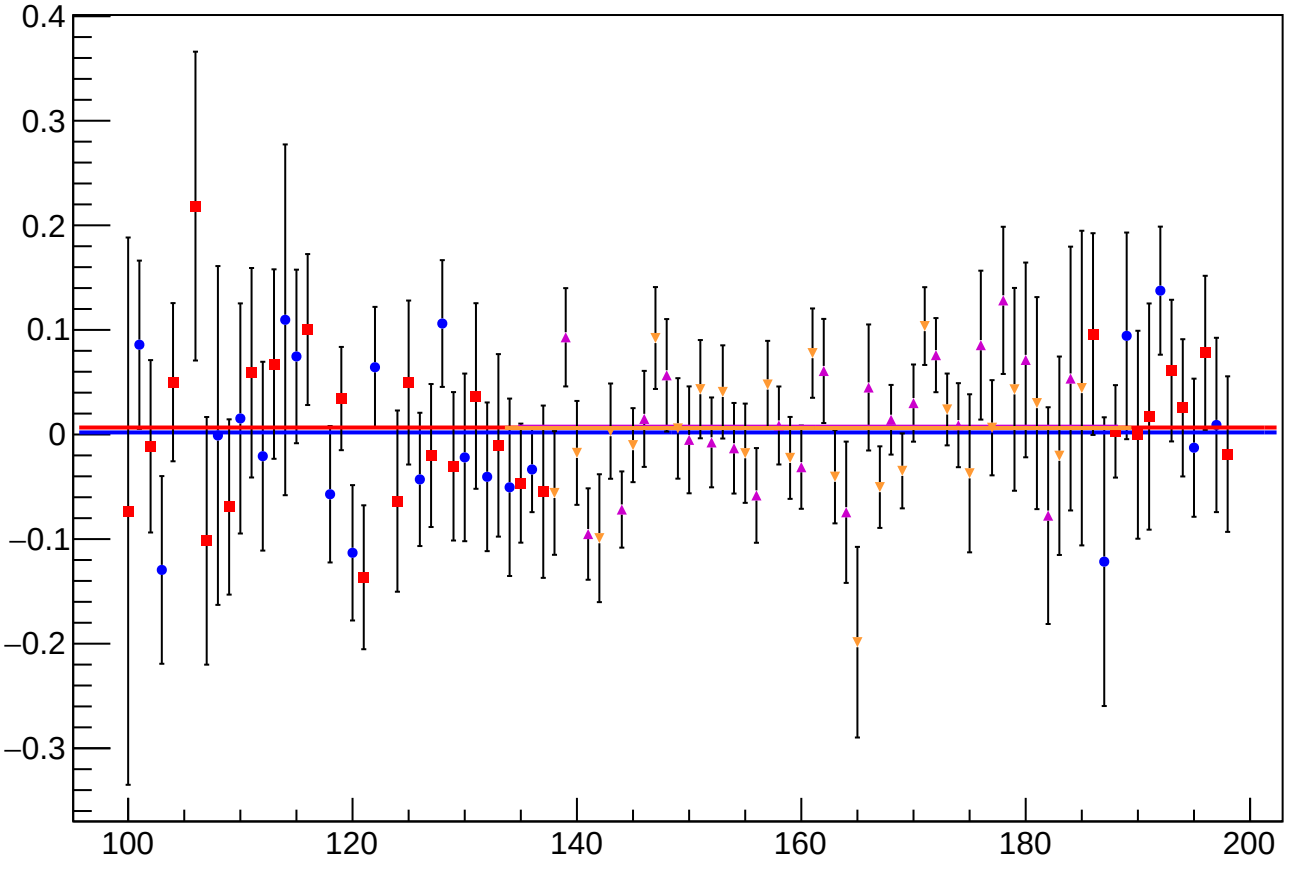
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 49.981+/-0.008 χ^2/NDF: 2451632.3/47

In: 42.410+/-0.006 χ^2/NDF:3843266.0/43

Out: 43.002+/-0.006 χ^2/NDF:4259664.3/51

All: 42.718+/-0.004 χ^2/NDF: 8108162.5/95



Right In: 0.002+/-0.016 χ^2/NDF: 21.3/20

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.007+/-0.015 χ^2/NDF: 16.9/26

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

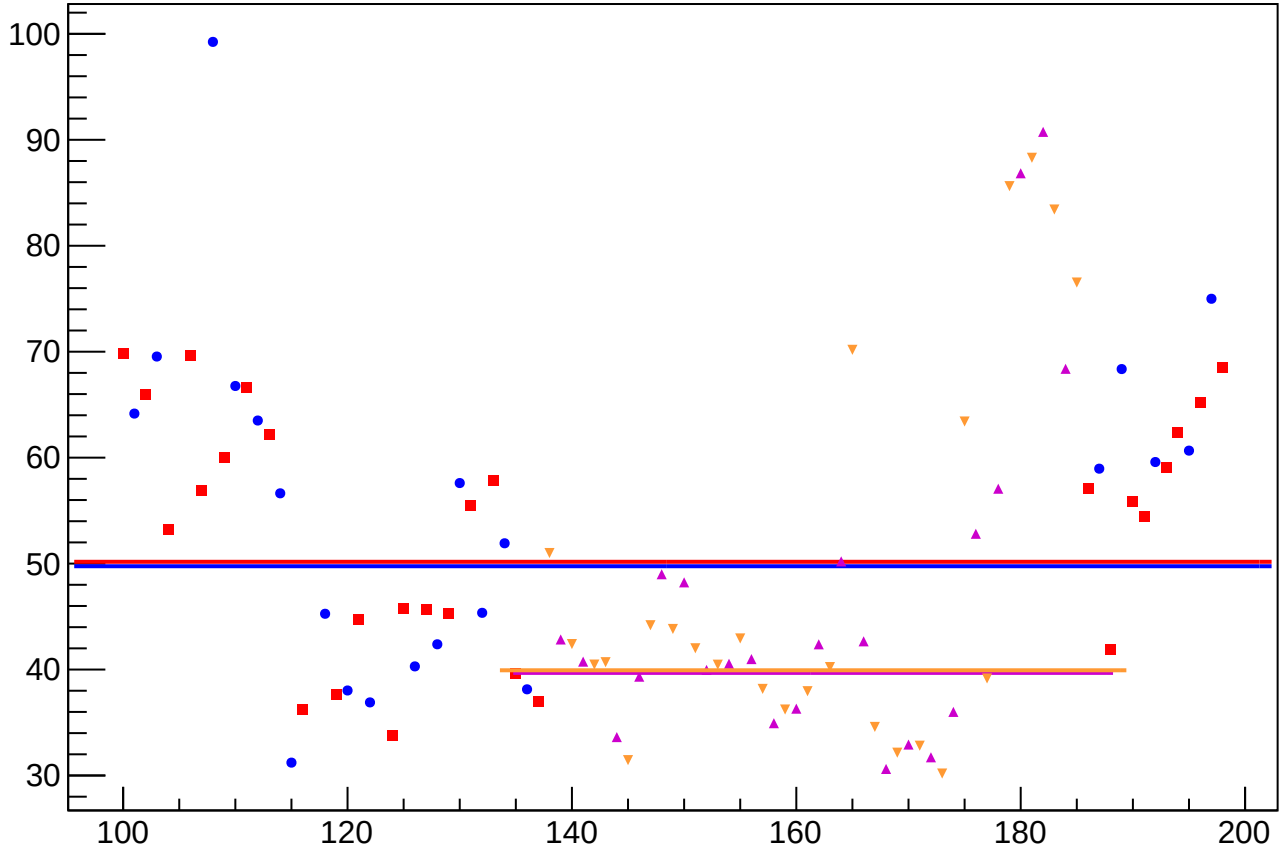
Right: 0.005+/-0.011 χ^2/NDF: 38.2/47

In: 0.006+/-0.008 χ^2/NDF:51.8/43

Out: 0.006+/-0.008 χ^2/NDF:47.7/51

All: 0.006+/-0.006 χ^2/NDF: 99.5/95

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.751+/-0.011 χ^2/NDF: 1353384.0/20

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 50.171+/-0.010 χ^2/NDF: 1097501.3/26

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

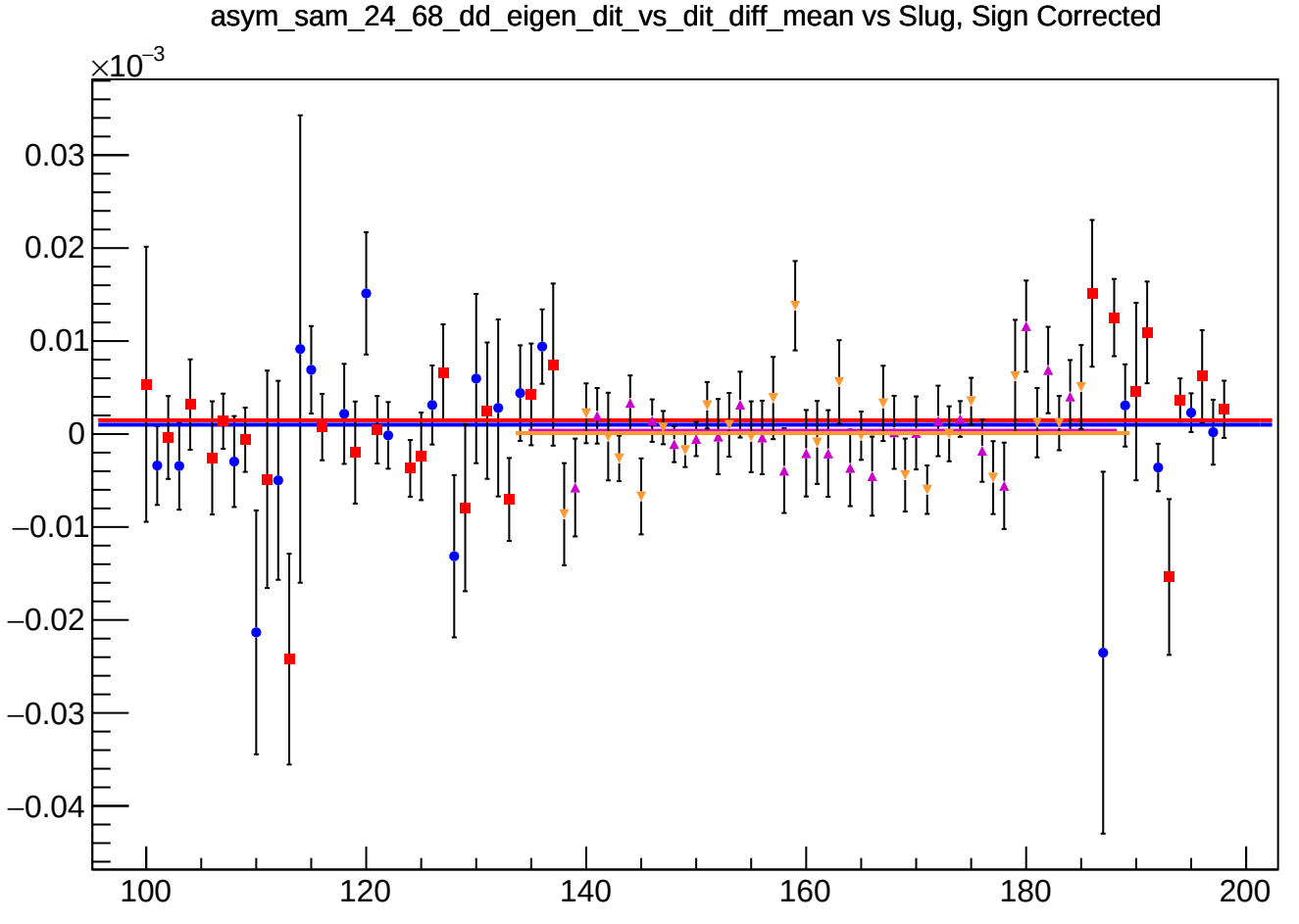
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 49.981+/-0.008 χ^2/NDF: 2451632.3/47

In: 42.410+/-0.006 χ^2/NDF:3843266.0/43

Out: 43.002+/-0.006 χ^2/NDF:4259664.3/51

All: 42.718+/-0.004 χ^2/NDF: 8108162.5/95



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.3/26

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

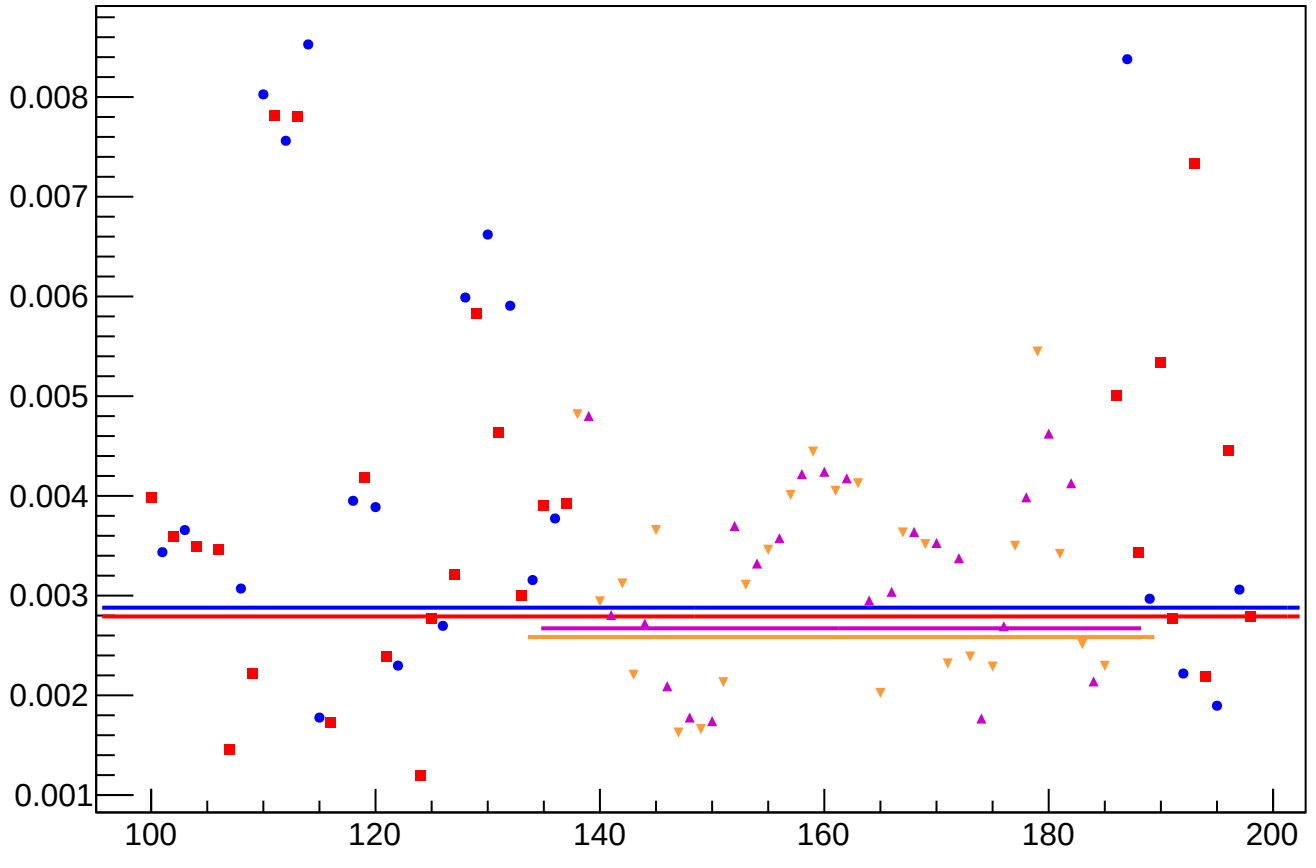
Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

Right: 0.000+/-0.000 χ^2/NDF: 62.3/47

In: 0.000+/-0.000 χ^2/NDF:44.8/43

Out: 0.000+/-0.000 χ^2/NDF:71.2/51

All: 0.000+/-0.000 χ^2/NDF: 116.0/95



Right In: 0.003+/-0.000 χ^2/NDF: 2822545.2/20

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4026798.3/26

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

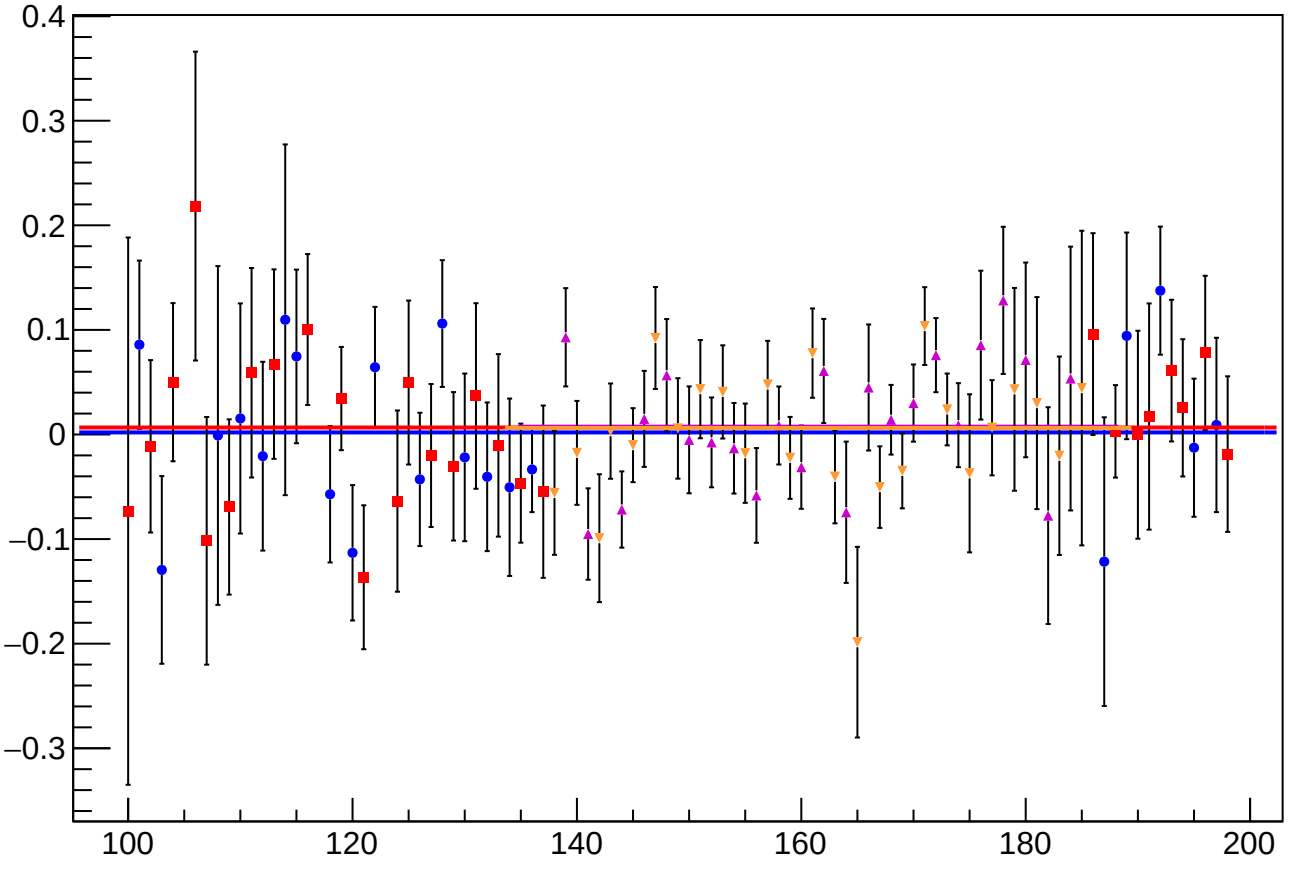
Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

Right: 0.003+/-0.000 χ^2/NDF: 6858393.7/47

In: 0.003+/-0.000 χ^2/NDF:6709551.9/43

Out: 0.003+/-0.000 χ^2/NDF:7993301.4/51

All: 0.003+/-0.000 χ^2/NDF: 14727789.0/95



Right In: 0.002+/-0.016 χ^2/NDF: 21.3/20

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.007+/-0.015 χ^2/NDF: 16.9/26

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

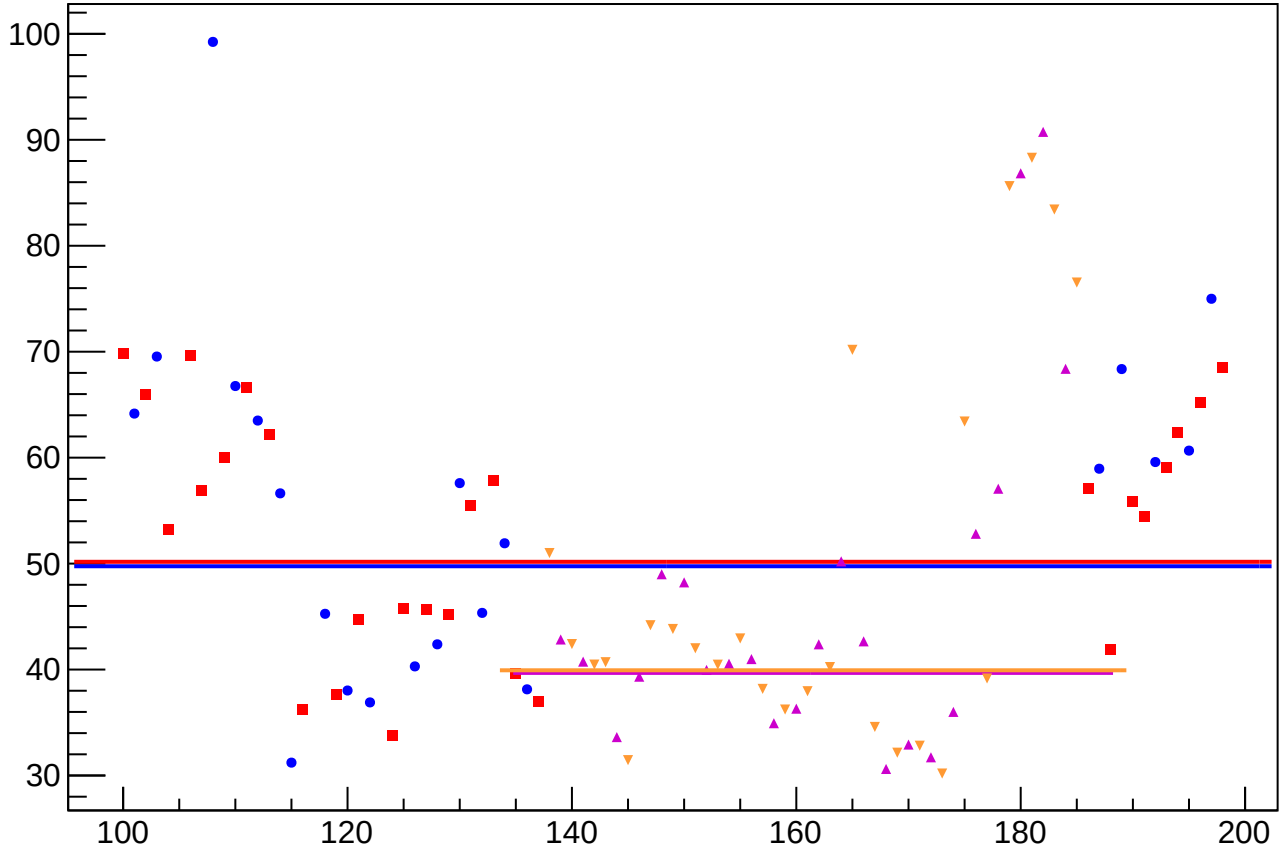
Right: 0.005+/-0.011 χ^2/NDF: 38.2/47

In: 0.006+/-0.008 χ^2/NDF:51.8/43

Out: 0.006+/-0.008 χ^2/NDF:47.7/51

All: 0.006+/-0.006 χ^2/NDF: 99.5/95

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.750+/-0.011 χ^2/NDF: 1353418.3/20

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 50.170+/-0.010 χ^2/NDF: 1097503.8/26

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

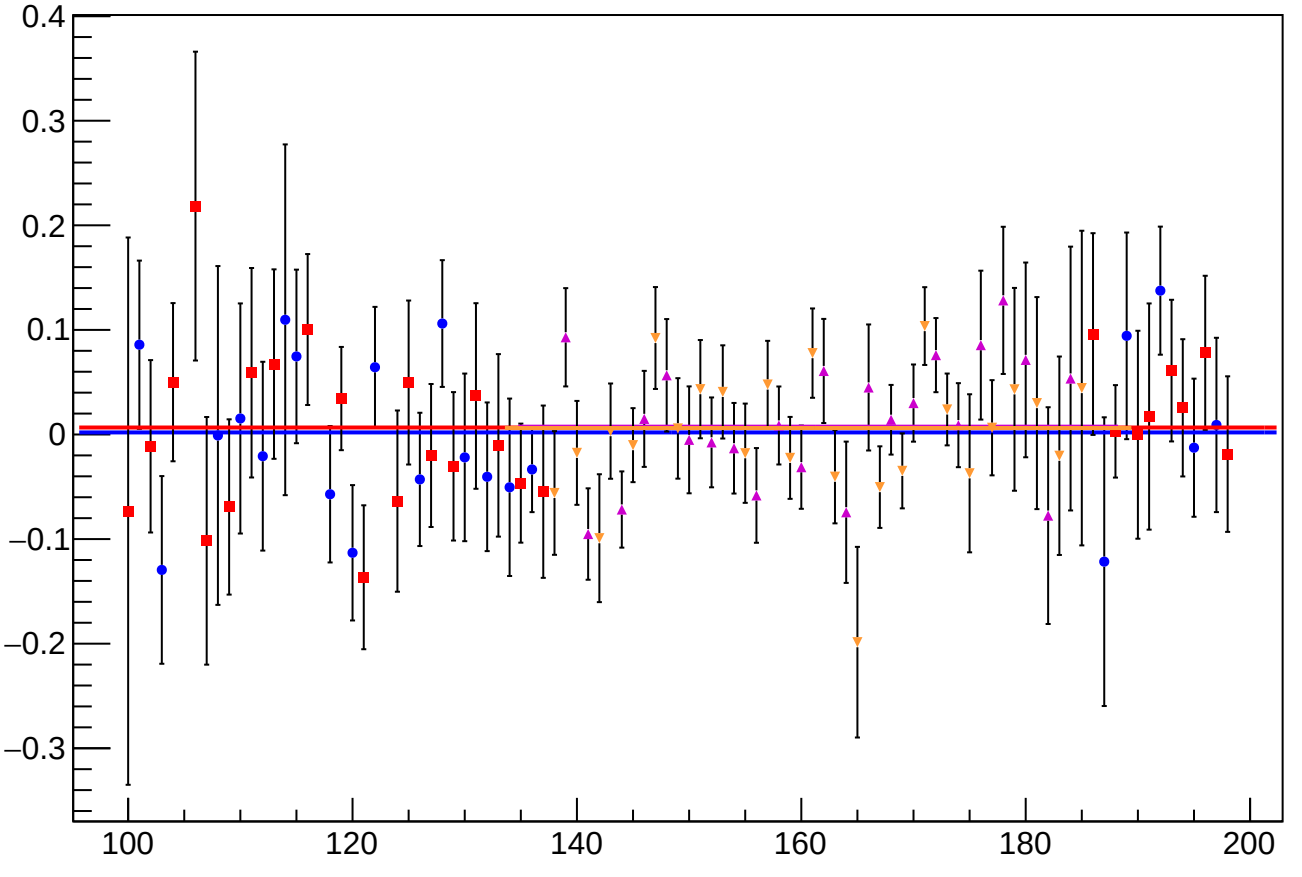
Right: 49.979+/-0.008 χ^2/NDF: 2451671.6/47

In: 42.410+/-0.006 χ^2/NDF:3843205.7/43

Out: 43.002+/-0.006 χ^2/NDF:4259602.4/51

All: 42.718+/-0.004 χ^2/NDF: 8108046.5/95

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.016 χ^2/NDF: 21.3/20

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.007+/-0.015 χ^2/NDF: 16.9/26

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

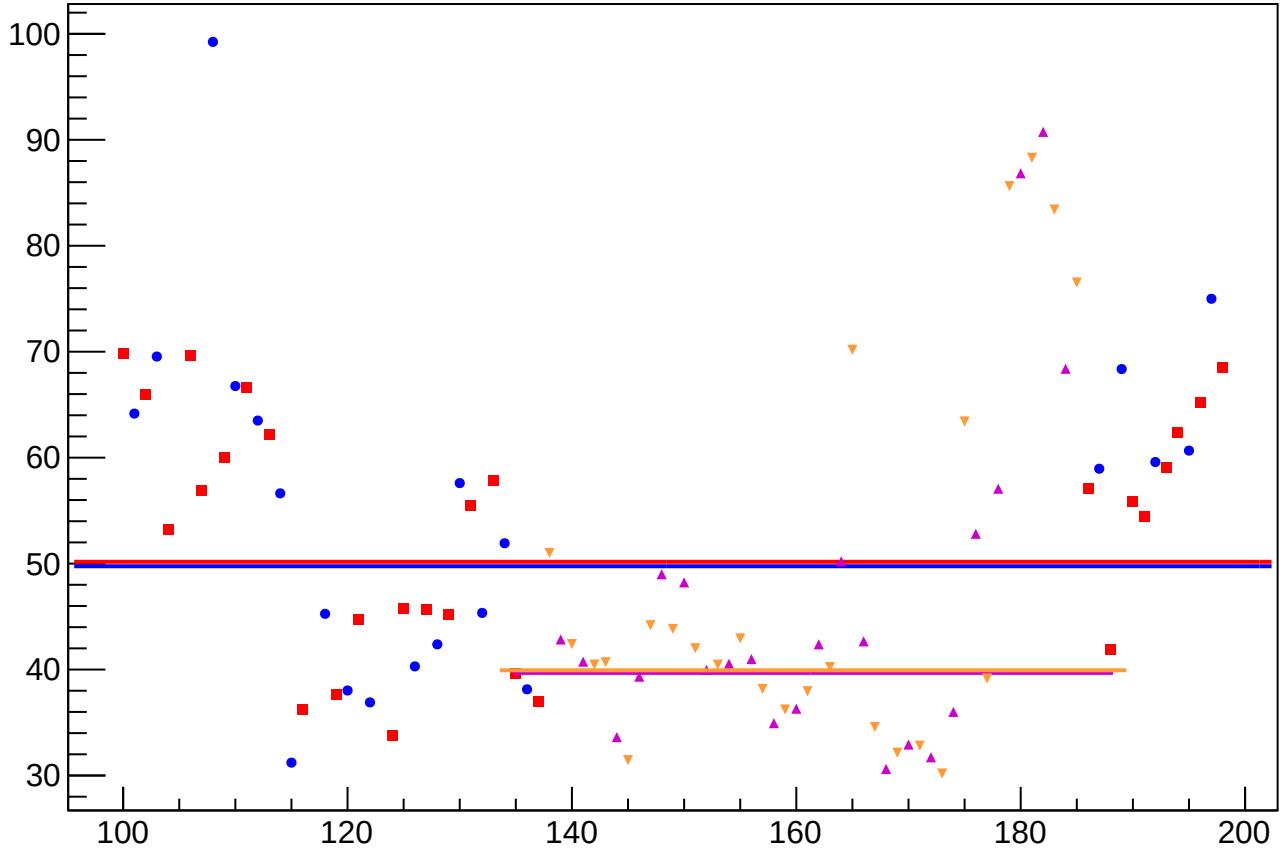
Right: 0.005+/-0.011 χ^2/NDF: 38.2/47

In: 0.006+/-0.008 χ^2/NDF:51.8/43

Out: 0.006+/-0.008 χ^2/NDF:47.7/51

All: 0.006+/-0.006 χ^2/NDF: 99.5/95

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.750+/-0.011 χ^2/NDF: 1353418.3/20

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 50.170+/-0.010 χ^2/NDF: 1097503.8/26

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

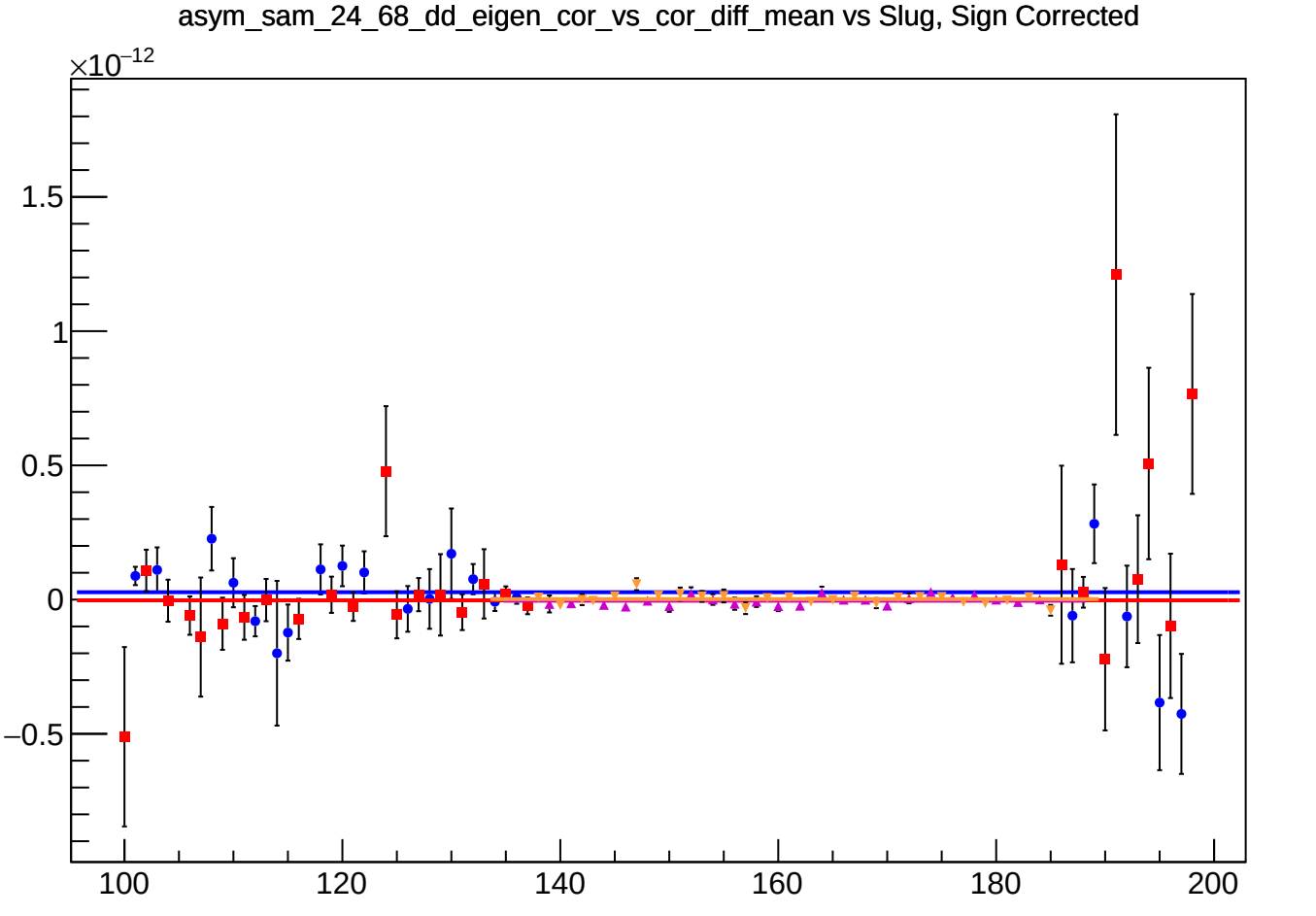
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 49.979+/-0.008 χ^2/NDF: 2451671.6/47

In: 42.410+/-0.006 χ^2/NDF:3843205.7/43

Out: 43.002+/-0.006 χ^2/NDF:4259602.4/51

All: 42.718+/-0.004 χ^2/NDF: 8108046.5/95



Right In: 0.000+/-0.000 χ^2/NDF: 31.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/26

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

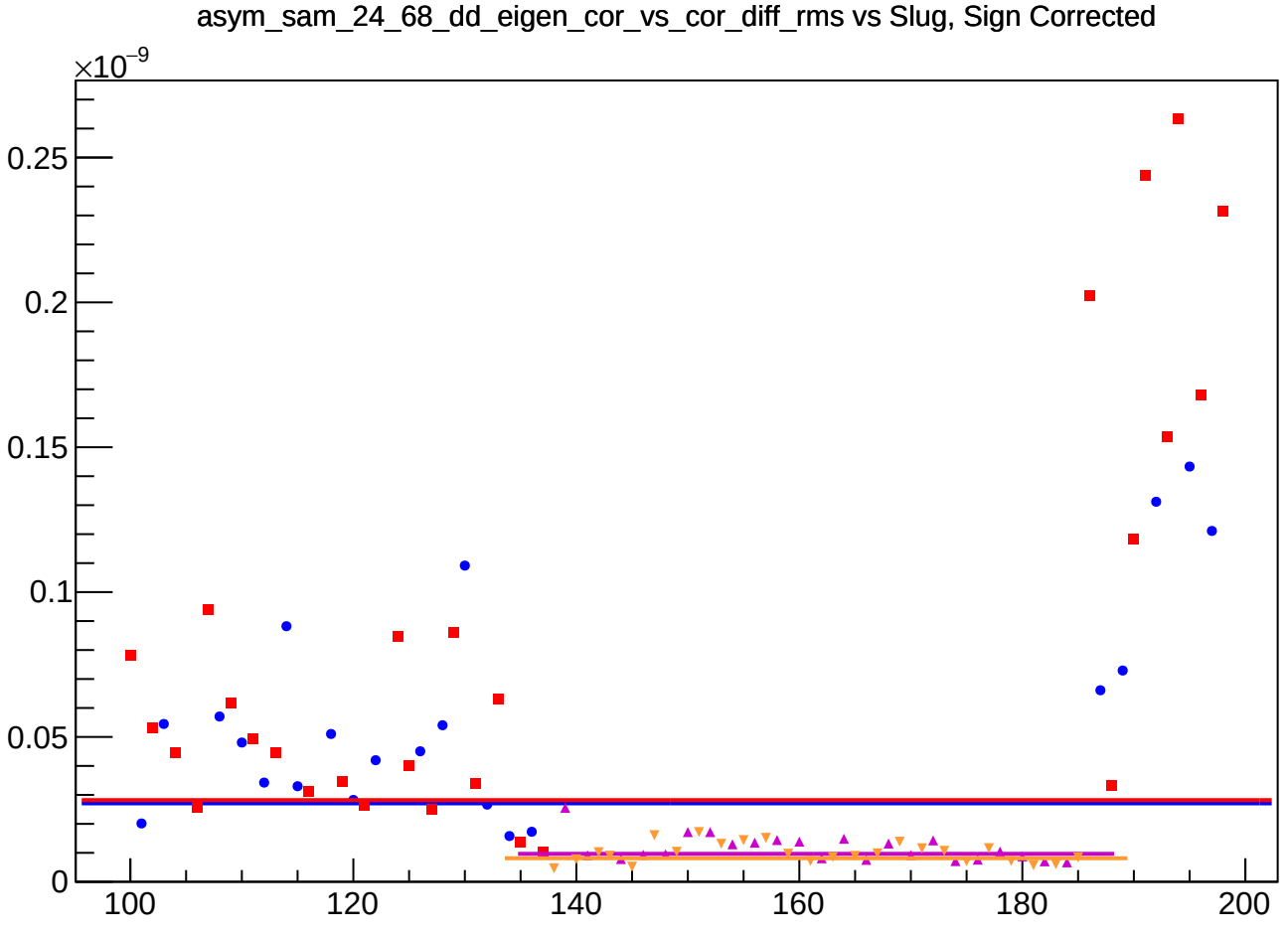
Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

Right: 0.000+/-0.000 χ^2/NDF: 59.8/47

In: -0.000+/-0.000 χ^2/NDF:64.0/43

Out: 0.000+/-0.000 χ^2/NDF:54.2/51

All: -0.000+/-0.000 χ^2/NDF: 119.2/95



Right In: 0.000+/-0.000 χ^2/NDF: 3837452.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6368766.4/26

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

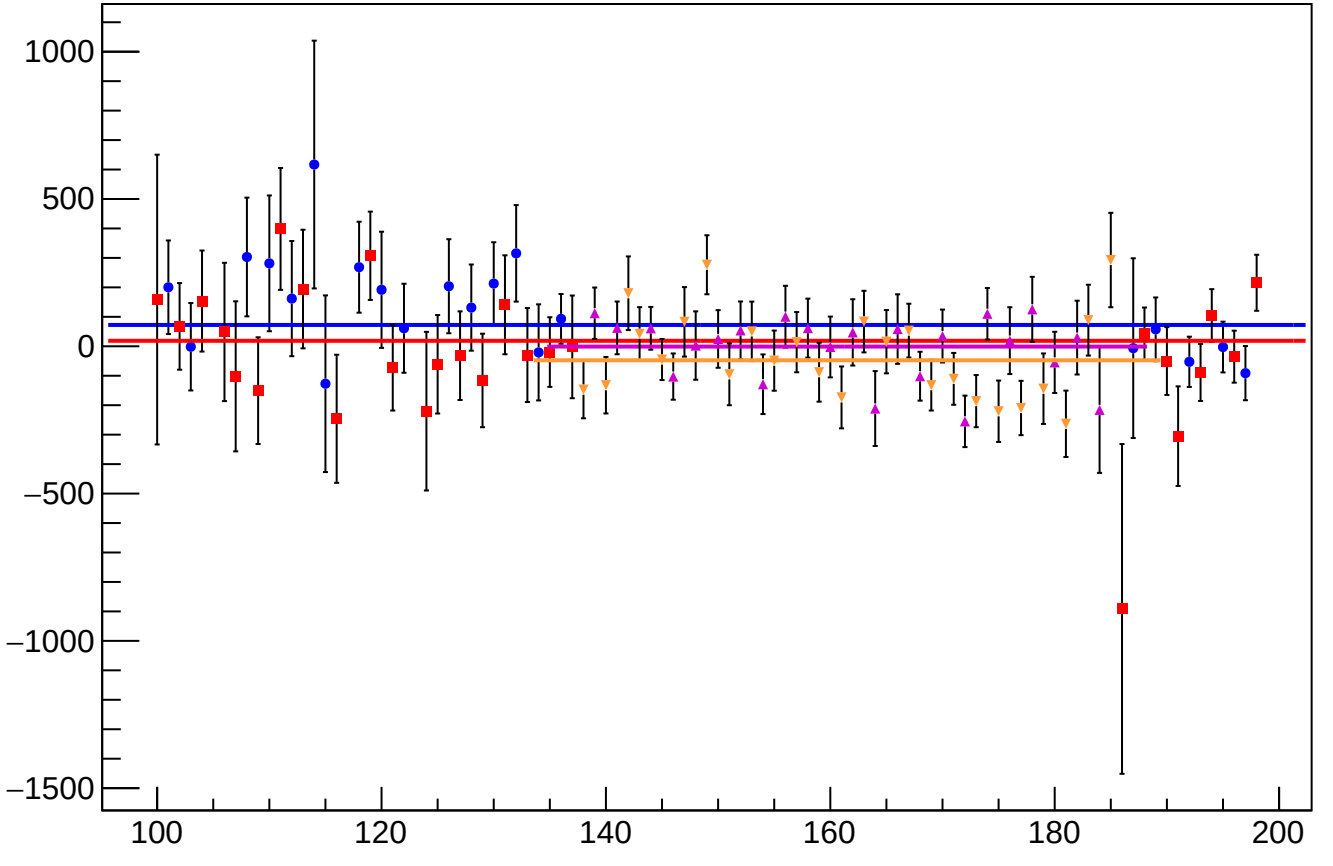
Right: 0.000+/-0.000 χ^2/NDF: 10213078.5/47

In: 0.000+/-0.000 χ^2/NDF:9179750.7/43

Out: 0.000+/-0.000 χ^2/NDF:12796400.6/51

All: 0.000+/-0.000 χ^2/NDF: 22356901.7/95

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 72.442+/-29.860 χ^2/NDF: 17.9/20

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: 18.646+/-27.421 χ^2/NDF: 27.8/26

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

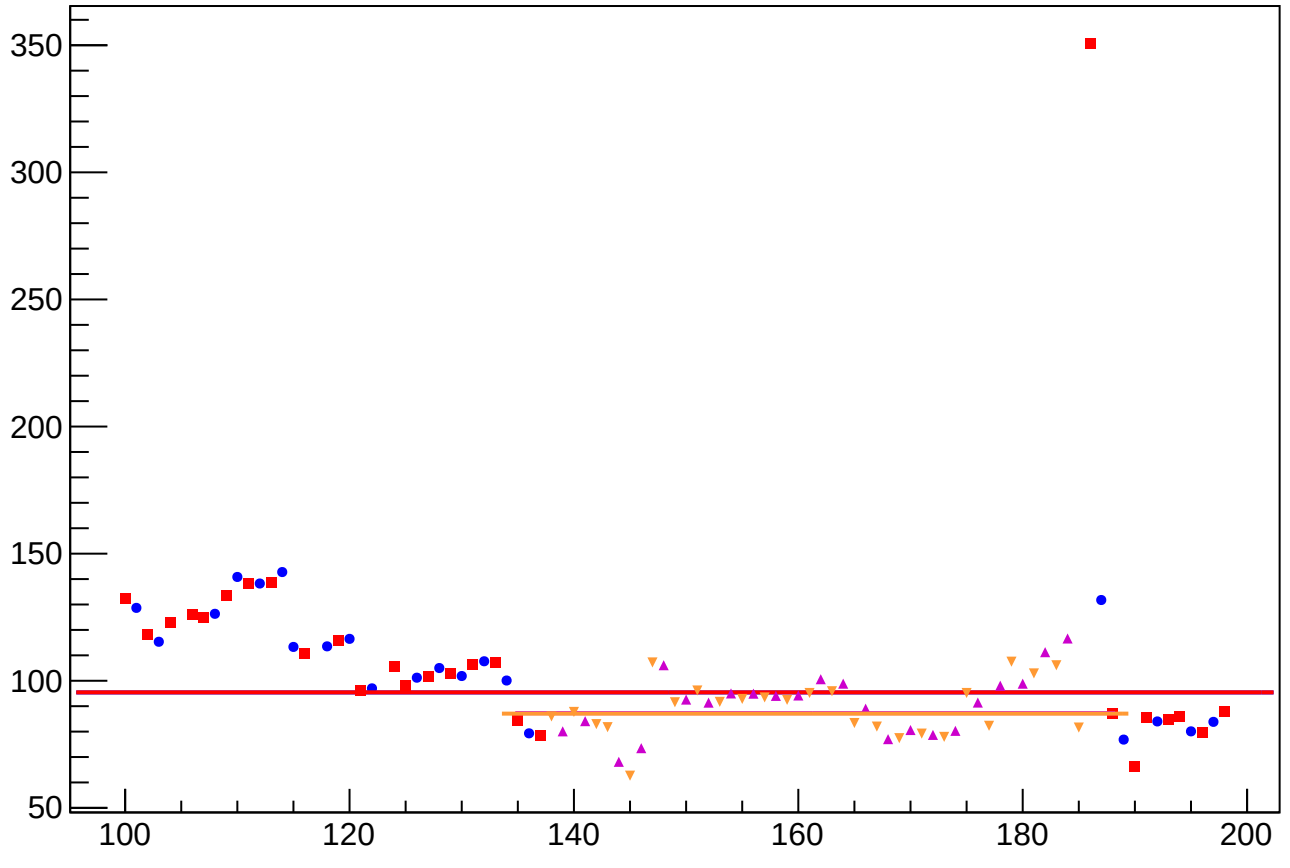
Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

Right: 43.258+/-20.197 χ^2/NDF: 47.5/47

In: 22.698+/-16.958 χ^2/NDF:47.5/43

Out: -24.571+/-16.150 χ^2/NDF:75.5/51

All: -2.091+/-11.695 χ^2/NDF: 127.1/95



Right In: 95.398+/-0.021 χ^2/NDF: 746628.1/20

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 95.444+/-0.019 χ^2/NDF: 1246195.3/26

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

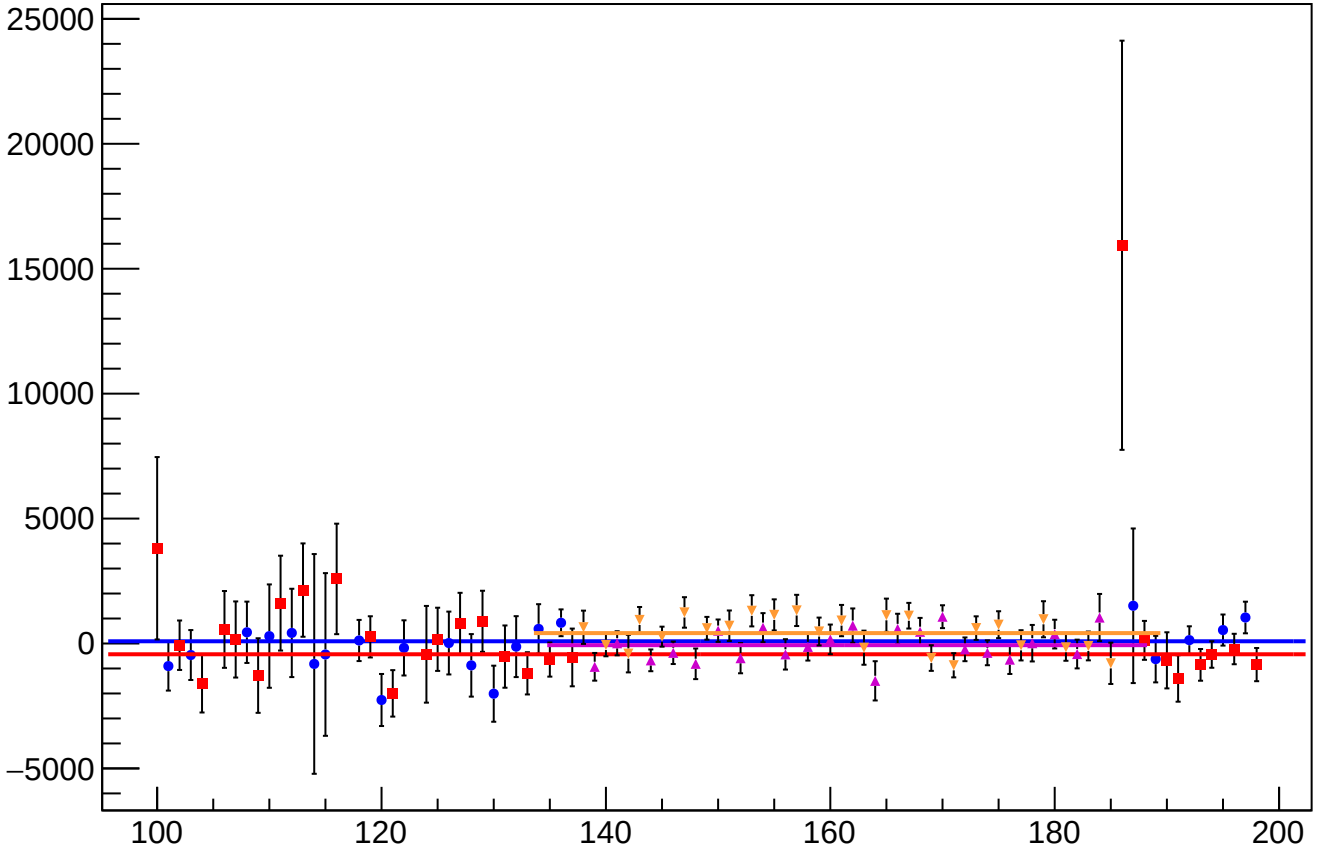
Right: 95.423+/-0.014 χ^2/NDF: 1992825.9/47

In: 89.883+/-0.012 χ^2/NDF:1443153.3/43

Out: 89.976+/-0.011 χ^2/NDF:1988591.2/51

All: 89.932+/-0.008 χ^2/NDF: 3431776.0/95

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 89.142+/-206.448 χ^2/NDF: 16.5/20

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: -430.879+/-187.928 χ^2/NDF: 21.8/26

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

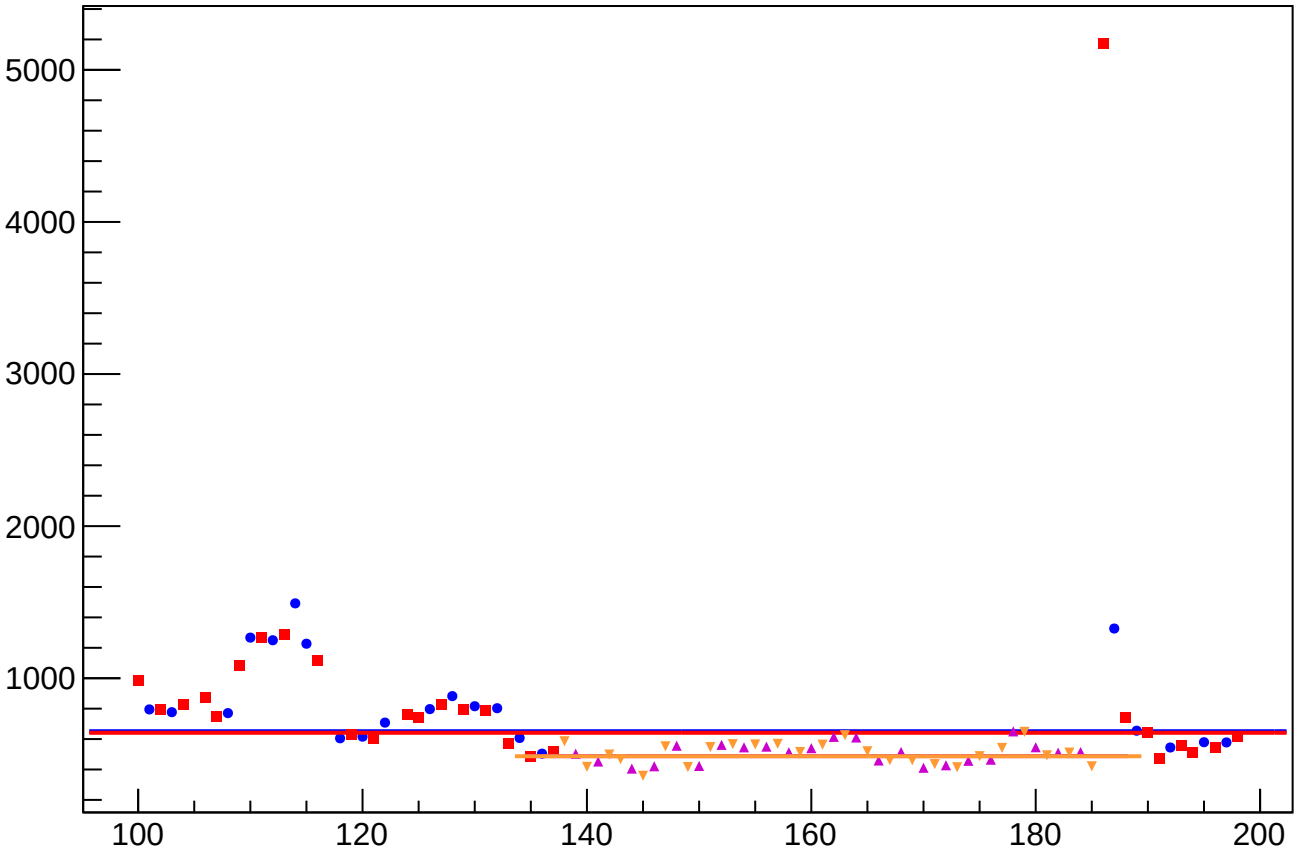
Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

Right: -195.235+/-138.973 χ^2/NDF: 41.8/47

In: -29.571+/-100.744 χ^2/NDF:44.5/43

Out: 193.370+/-96.422 χ^2/NDF:69.2/51

All: 86.783+/-69.659 χ^2/NDF: 116.2/95



Right In: 651.533+/-0.146 χ^2/NDF: 1196755.0/20

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 641.409+/-0.133 χ^2/NDF: 2094570.6/26

Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

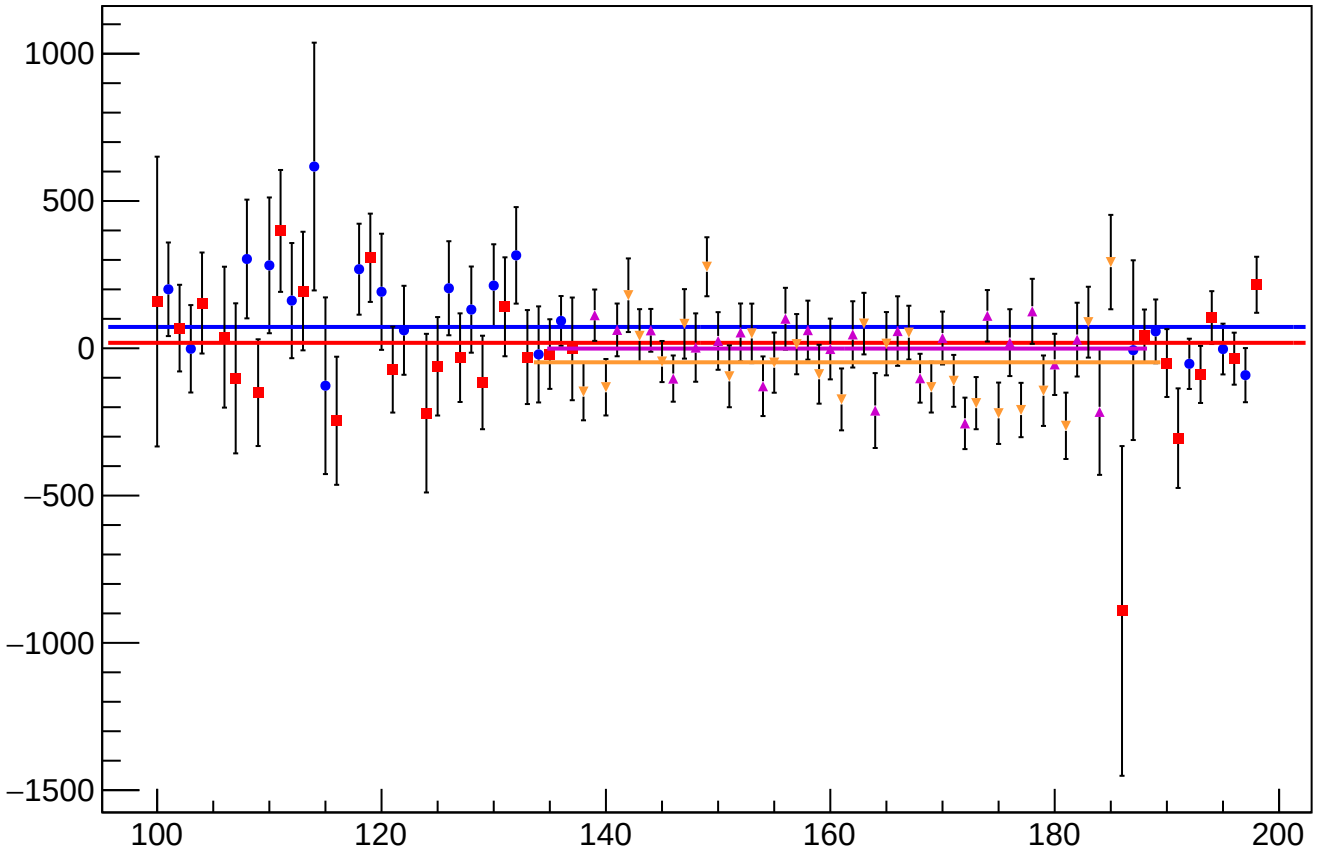
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 645.996+/-0.098 χ^2/NDF: 3293956.1/47

In: 526.889+/-0.071 χ^2/NDF:2787932.5/43

Out: 527.708+/-0.068 χ^2/NDF:3909533.7/51

All: 527.316+/-0.049 χ^2/NDF: 6697535.2/95



Right In: 72.432+/-29.860 χ^2/NDF: 17.9/20

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 18.523+/-27.428 χ^2/NDF: 27.8/26

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

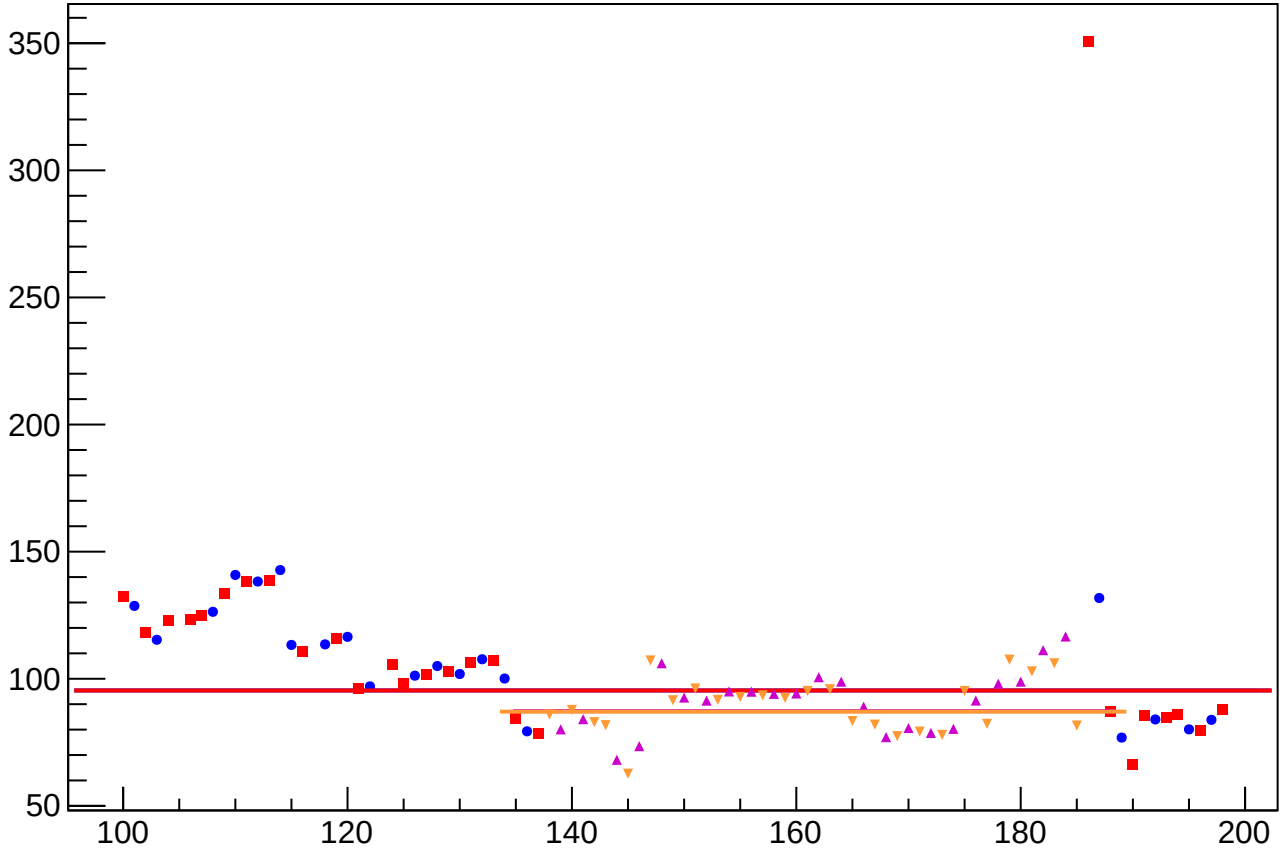
Right: 43.193+/-20.199 χ^2/NDF: 47.5/47

In: 22.693+/-16.958 χ^2/NDF:47.5/43

Out: -24.627+/-16.151 χ^2/NDF:75.5/51

All: -2.120+/-11.695 χ^2/NDF: 127.1/95

cor_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 95.398+/-0.021 χ^2/NDF: 746628.4/20

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 95.392+/-0.019 χ^2/NDF: 1239298.6/26

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

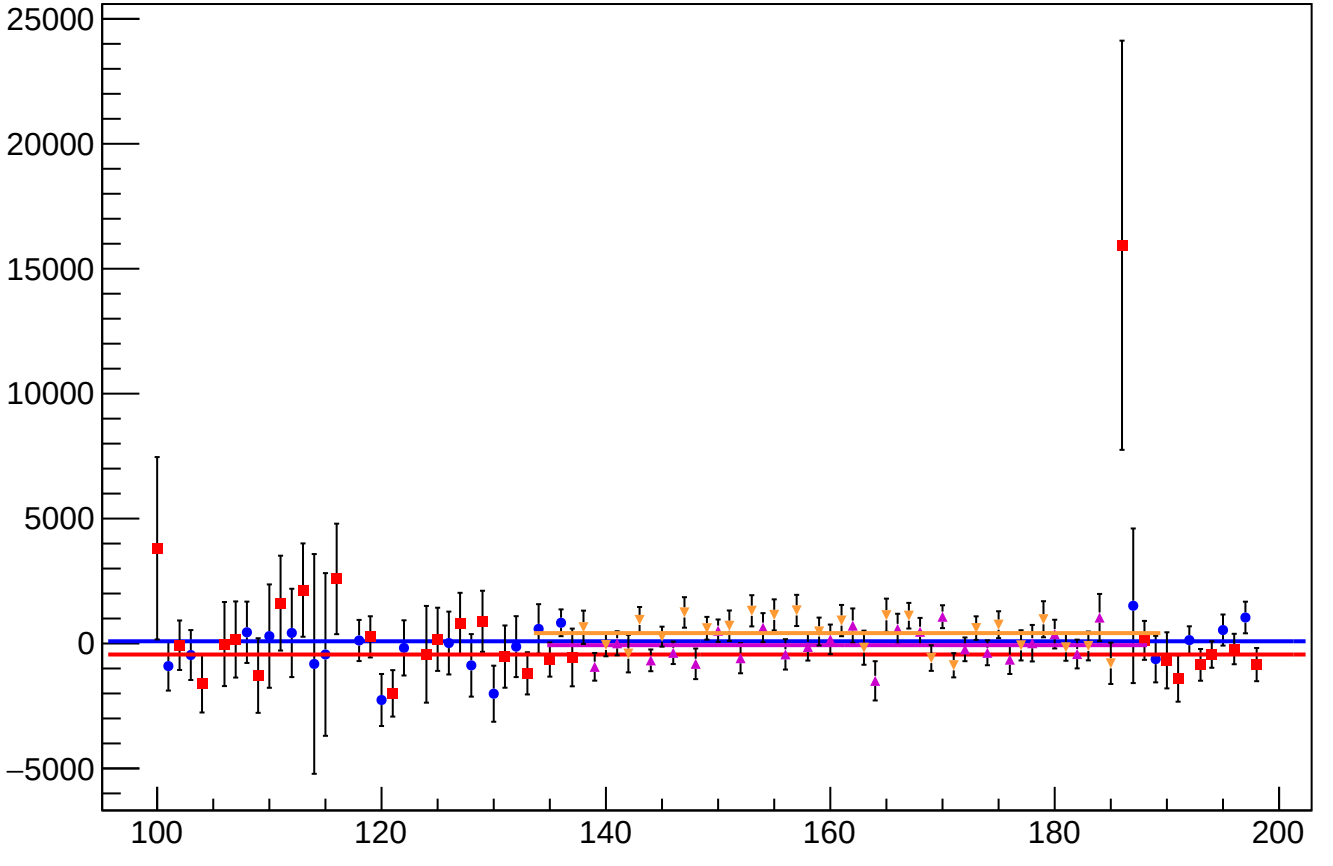
Right: 95.395+/-0.014 χ^2/NDF: 1985927.1/47

In: 89.883+/-0.012 χ^2/NDF:1443153.6/43

Out: 89.957+/-0.011 χ^2/NDF:1980156.9/51

All: 89.922+/-0.008 χ^2/NDF: 3423330.6/95

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 89.145+/-206.449 χ^2/NDF: 16.5/20

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -440.649+/-188.165 χ^2/NDF: 21.4/26

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

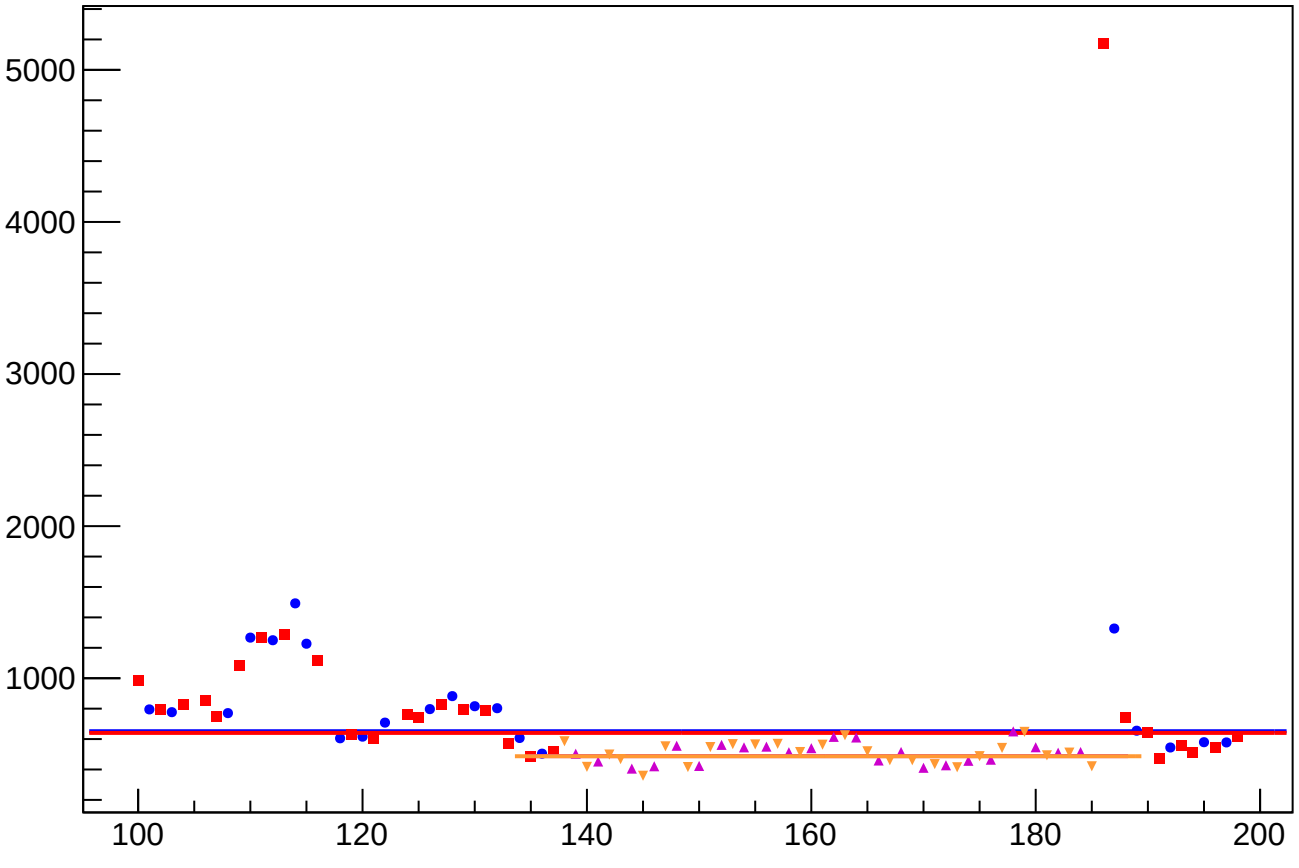
Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

Right: -200.246+/-139.068 χ^2/NDF: 41.6/47

In: -29.569+/-100.744 χ^2/NDF:44.5/43

Out: 191.210+/-96.454 χ^2/NDF:69.1/51

All: 85.620+/-69.671 χ^2/NDF: 116.1/95



Right In: 651.533+/-0.146 χ^2/NDF: 1196767.0/20

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 640.587+/-0.133 χ^2/NDF: 2080790.7/26

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

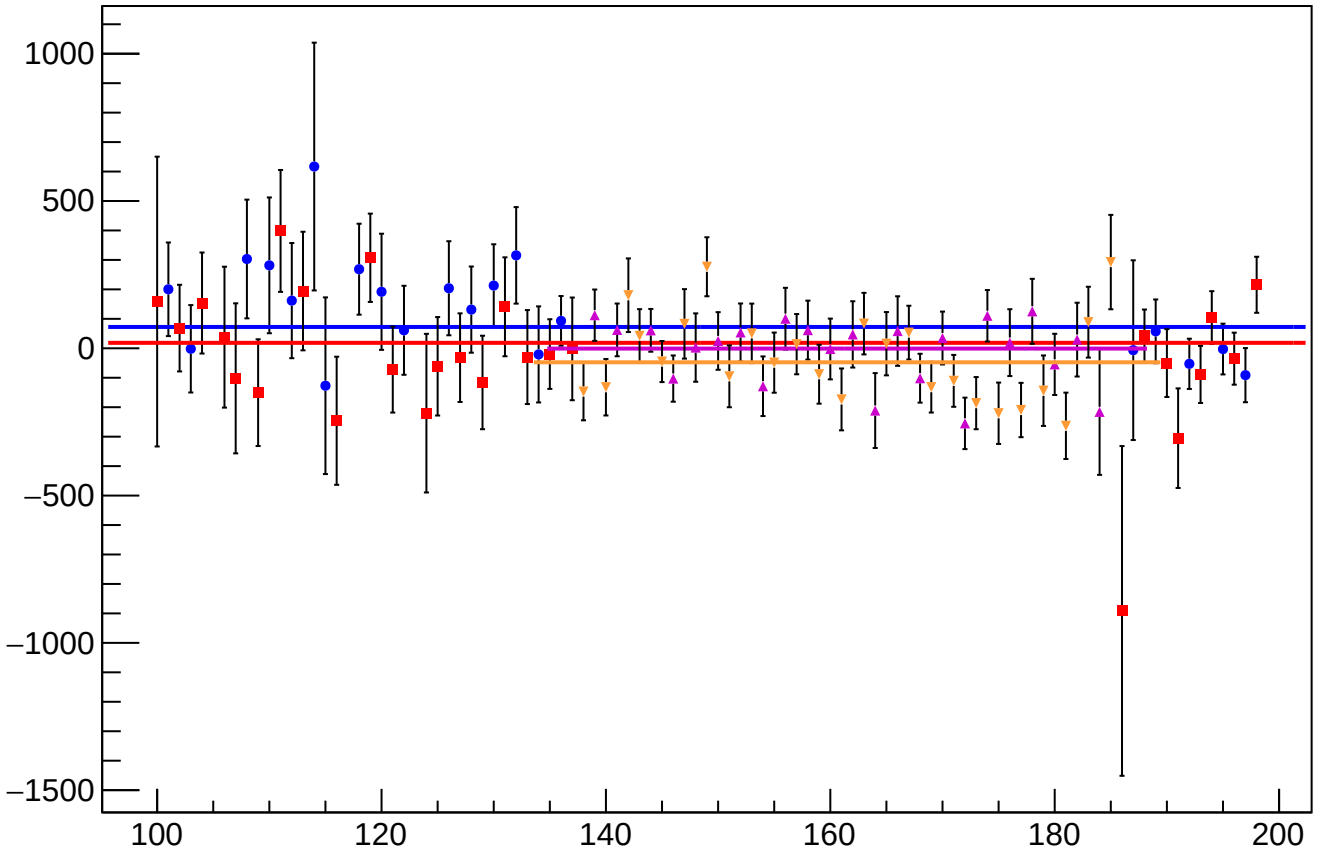
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 645.554+/-0.098 χ^2/NDF: 3280629.1/47

In: 526.889+/-0.071 χ^2/NDF:2787948.5/43

Out: 527.417+/-0.068 χ^2/NDF:3883369.8/51

All: 527.164+/-0.049 χ^2/NDF: 6671347.0/95



Right In: 72.432+/-29.860 χ^2/NDF: 17.9/20

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 18.523+/-27.428 χ^2/NDF: 27.8/26

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

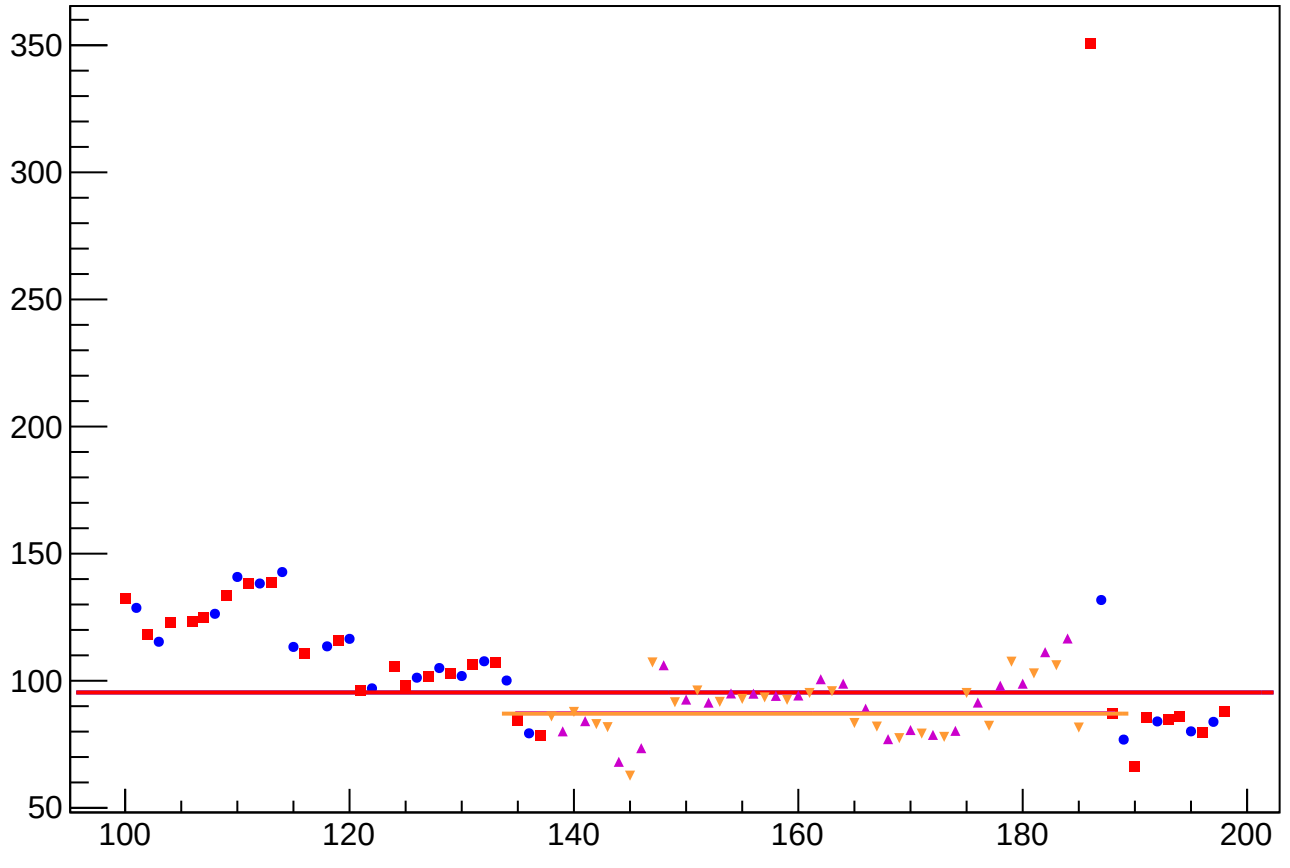
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 43.193+/-20.199 χ^2/NDF: 47.5/47

In: 22.693+/-16.958 χ^2/NDF:47.5/43

Out: -24.627+/-16.151 χ^2/NDF:75.5/51

All: -2.120+/-11.695 χ^2/NDF: 127.1/95



Right In: 95.398+/-0.021 χ^2/NDF: 746628.4/20

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 95.392+/-0.019 χ^2/NDF: 1239298.6/26

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

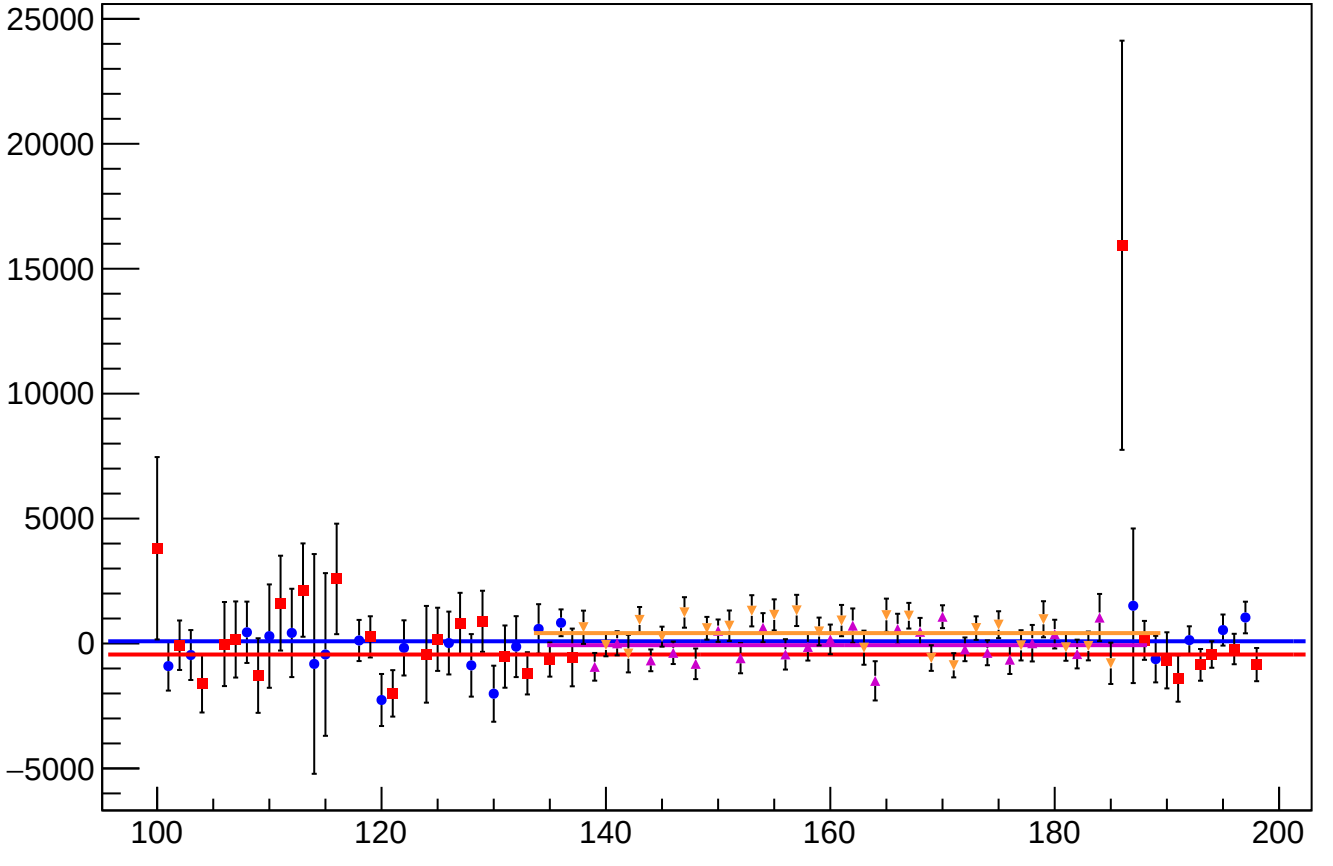
Right: 95.395+/-0.014 χ^2/NDF: 1985927.1/47

In: 89.883+/-0.012 χ^2/NDF:1443153.6/43

Out: 89.957+/-0.011 χ^2/NDF:1980156.9/51

All: 89.922+/-0.008 χ^2/NDF: 3423330.6/95

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 89.145+/-206.449 χ^2/NDF: 16.5/20

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -440.649+/-188.165 χ^2/NDF: 21.4/26

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

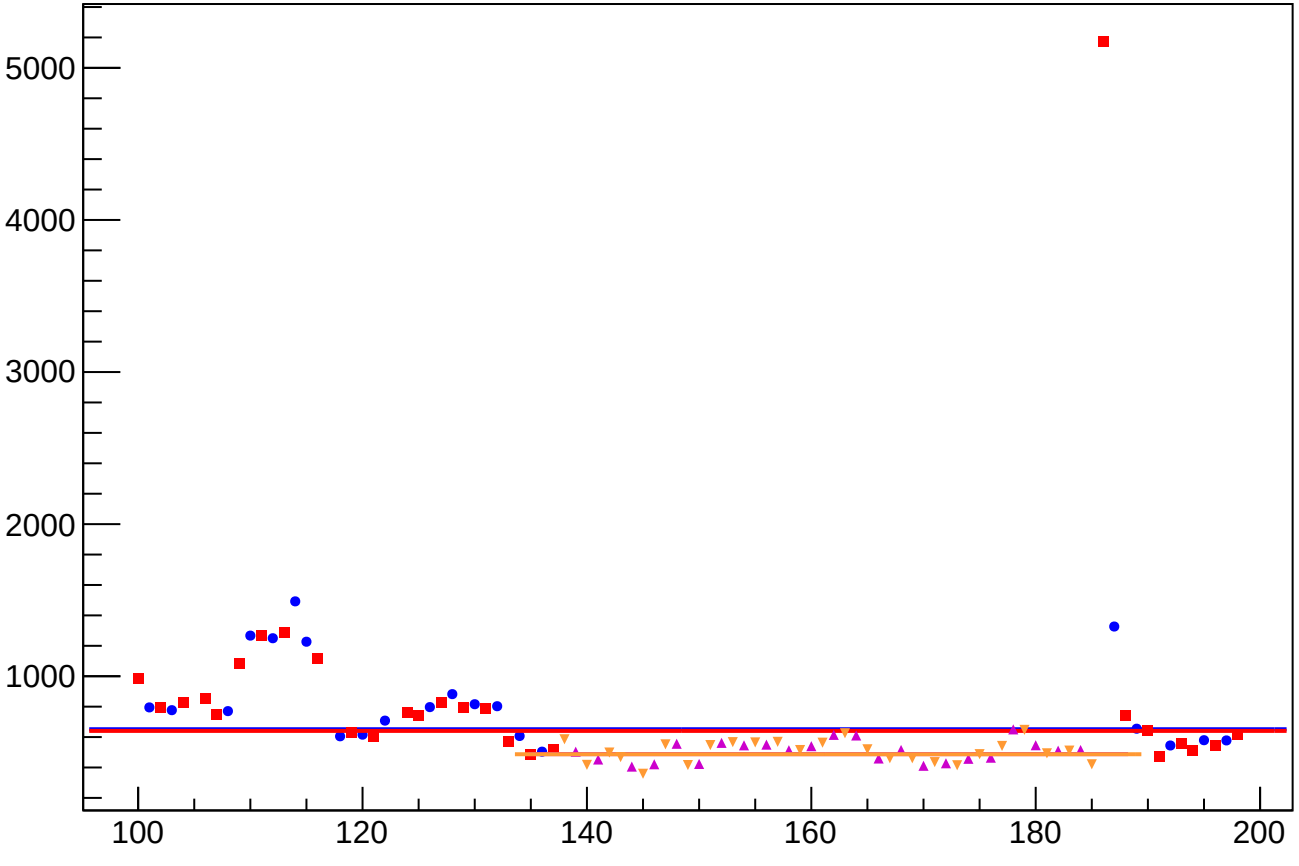
Right: -200.246+/-139.068 χ^2/NDF: 41.6/47

In: -29.569+/-100.744 χ^2/NDF:44.5/43

Out: 191.210+/-96.454 χ^2/NDF:69.1/51

All: 85.620+/-69.671 χ^2/NDF: 116.1/95

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.533+/-0.146 χ^2/NDF: 1196767.0/20

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 640.587+/-0.133 χ^2/NDF: 2080790.7/26

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

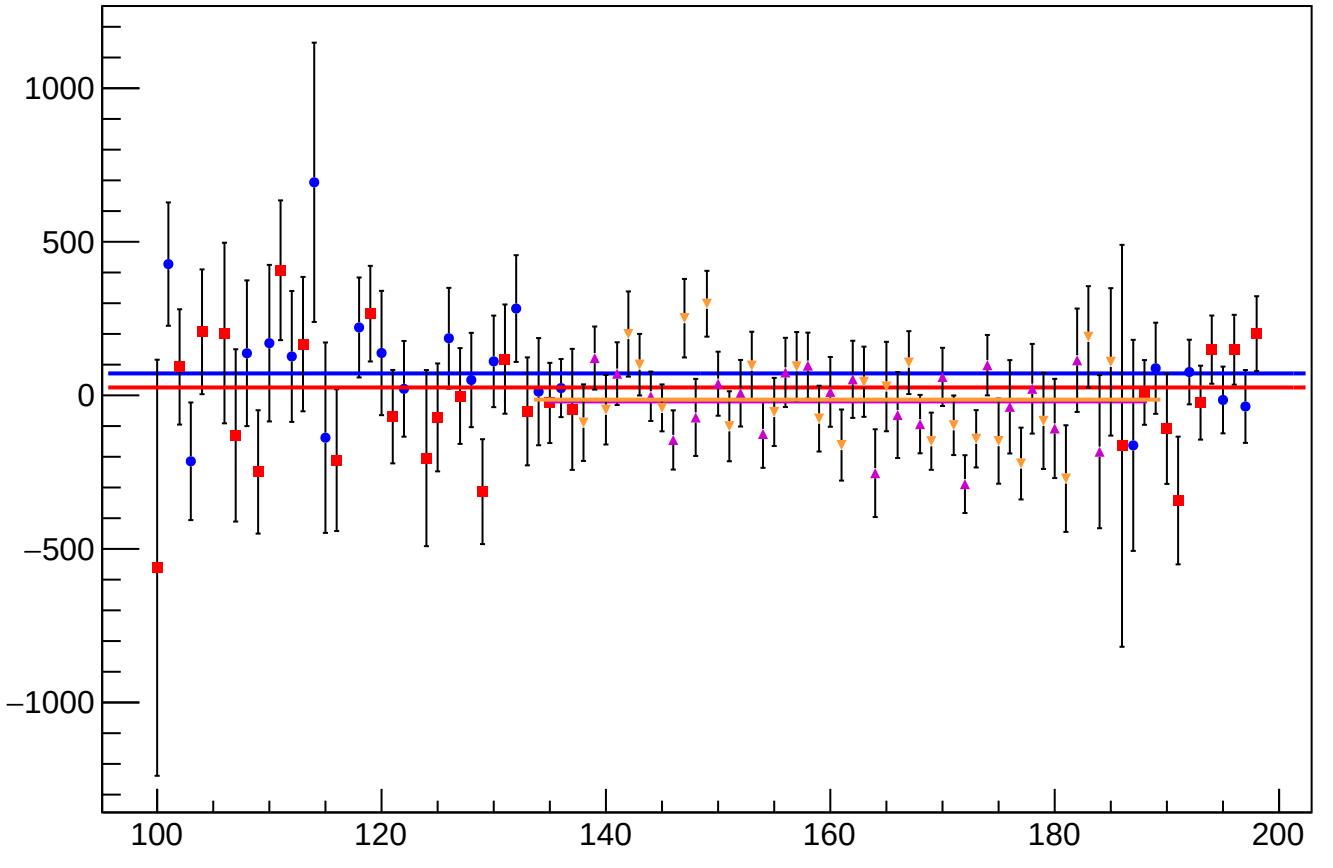
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 645.554+/-0.098 χ^2/NDF: 3280629.1/47

In: 526.889+/-0.071 χ^2/NDF:2787948.5/43

Out: 527.417+/-0.068 χ^2/NDF:3883369.8/51

All: 527.164+/-0.049 χ^2/NDF: 6671347.0/95



Right In: 71.407+/-34.745 χ^2/NDF: 13.4/20

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: 25.723+/-32.323 χ^2/NDF: 25.4/26

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

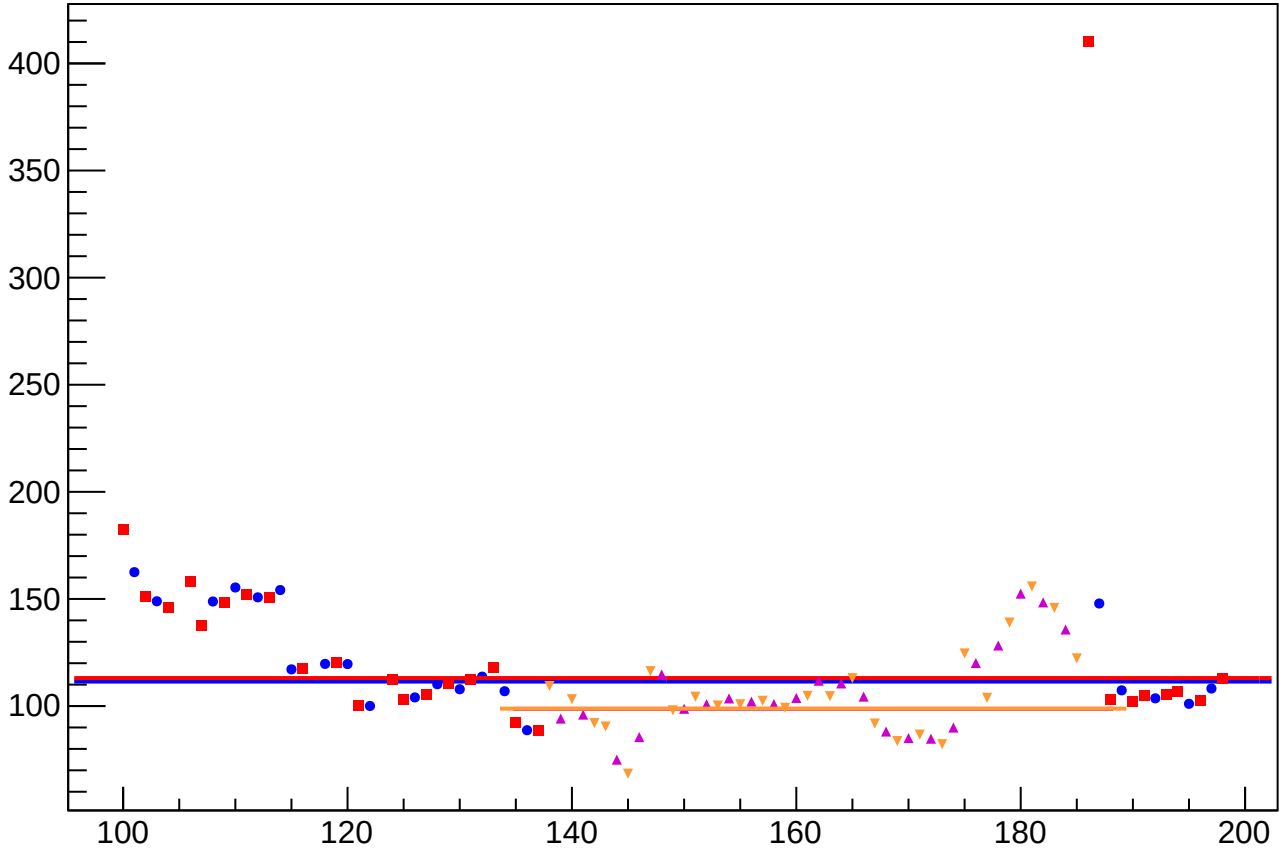
Right: 46.917+/-23.666 χ^2/NDF: 39.7/47

In: 8.943+/-19.506 χ^2/NDF:41.4/43

Out: -0.648+/-18.694 χ^2/NDF:62.8/51

All: 3.944+/-13.497 χ^2/NDF: 104.3/95

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 111.440+/-0.025 χ^2/NDF: 597805.1/20

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 113.072+/-0.023 χ^2/NDF: 984832.5/26

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

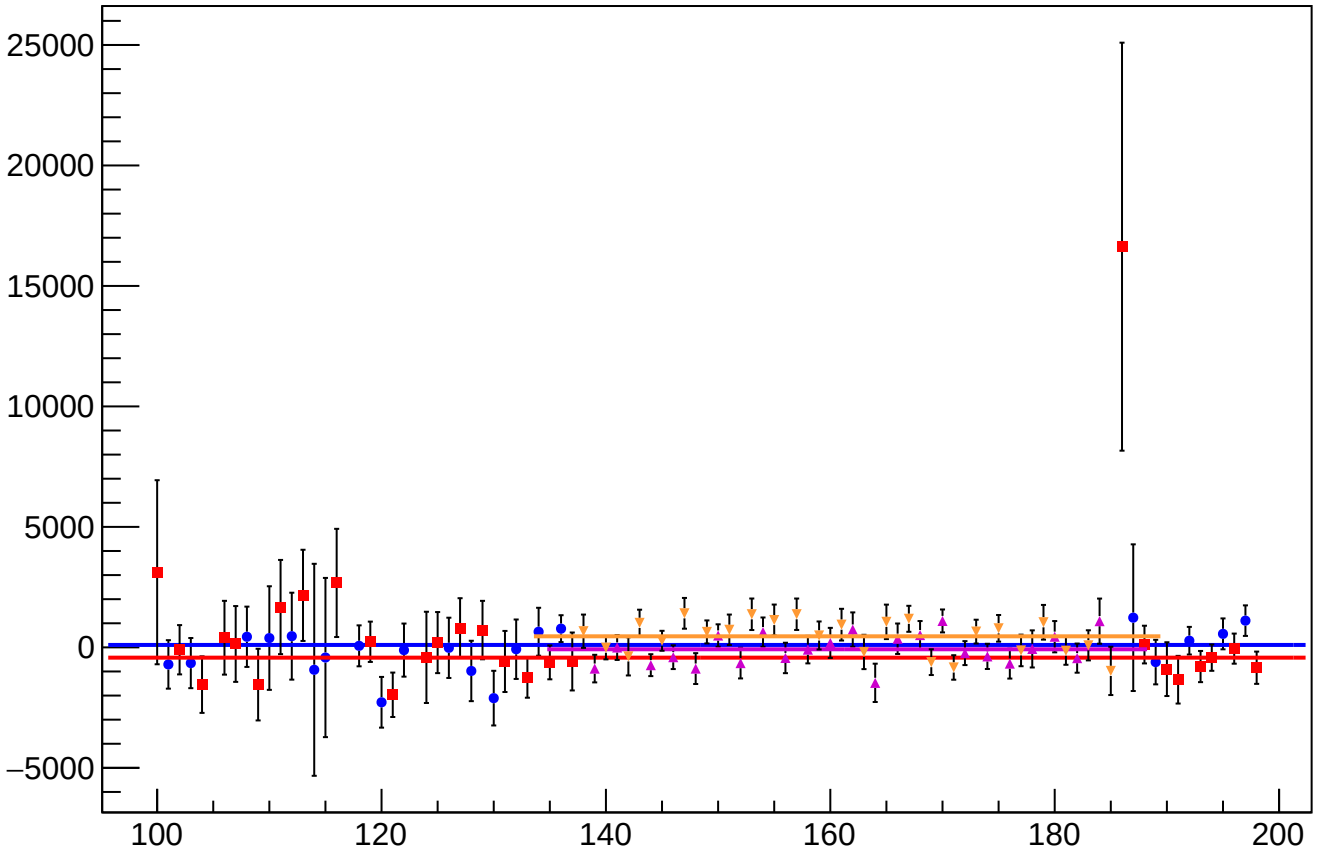
Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

Right: 112.315+/-0.017 χ^2/NDF: 1585004.3/47

In: 102.697+/-0.014 χ^2/NDF:1770543.4/43

Out: 103.573+/-0.013 χ^2/NDF:2430185.7/51

All: 103.154+/-0.010 χ^2/NDF: 4202835.2/95



Right In: 100.929+/-210.806 χ^2/NDF: 16.7/20

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: -426.719+/-191.181 χ^2/NDF: 21.0/26

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

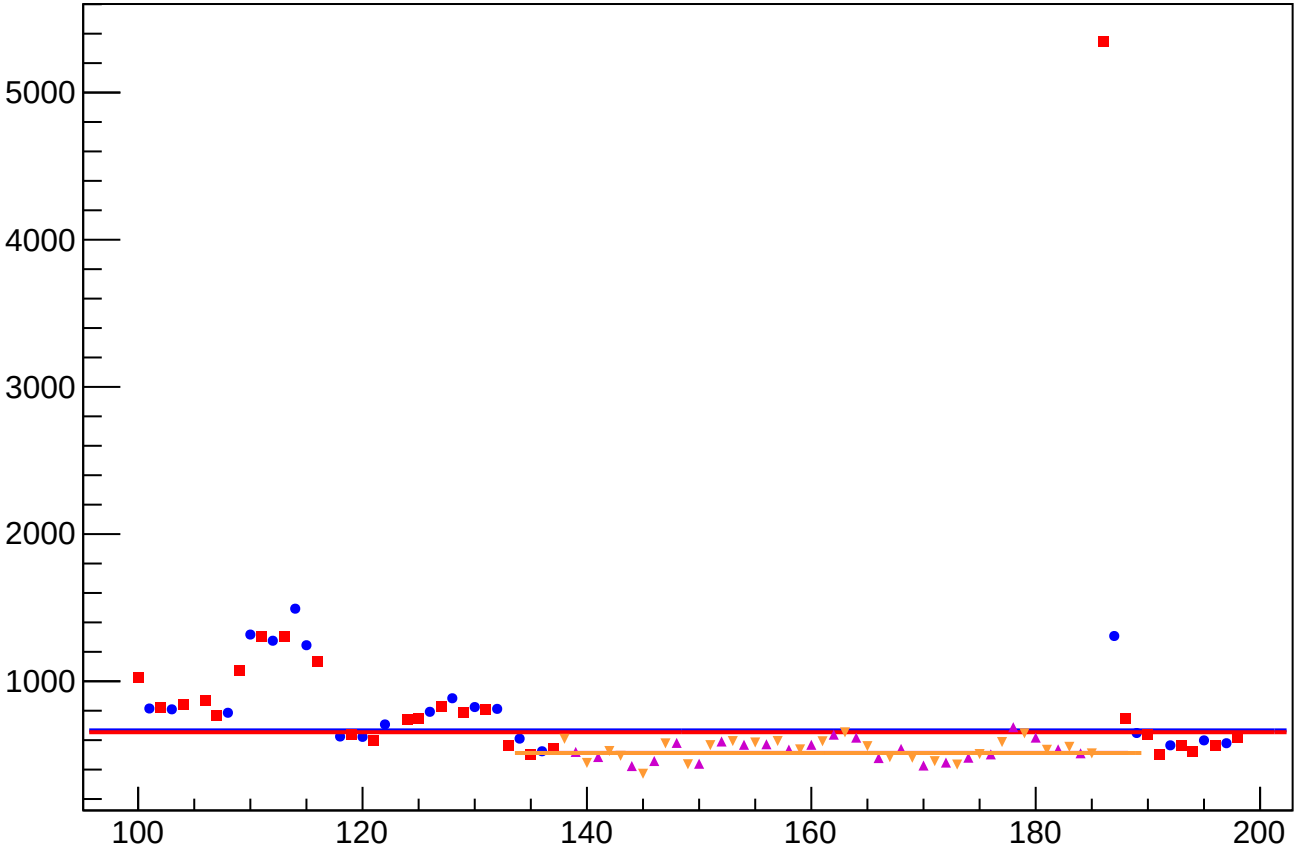
Right: -188.595+/-141.616 χ^2/NDF: 41.2/47

In: -34.012+/-105.226 χ^2/NDF:43.5/43

Out: 214.395+/-100.482 χ^2/NDF:67.4/51

All: 95.917+/-72.671 χ^2/NDF: 113.8/95

asym_sam_26_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 666.288+/-0.149 χ^2/NDF: 1150614.4/20

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 653.798+/-0.135 χ^2/NDF: 2026726.8/26

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

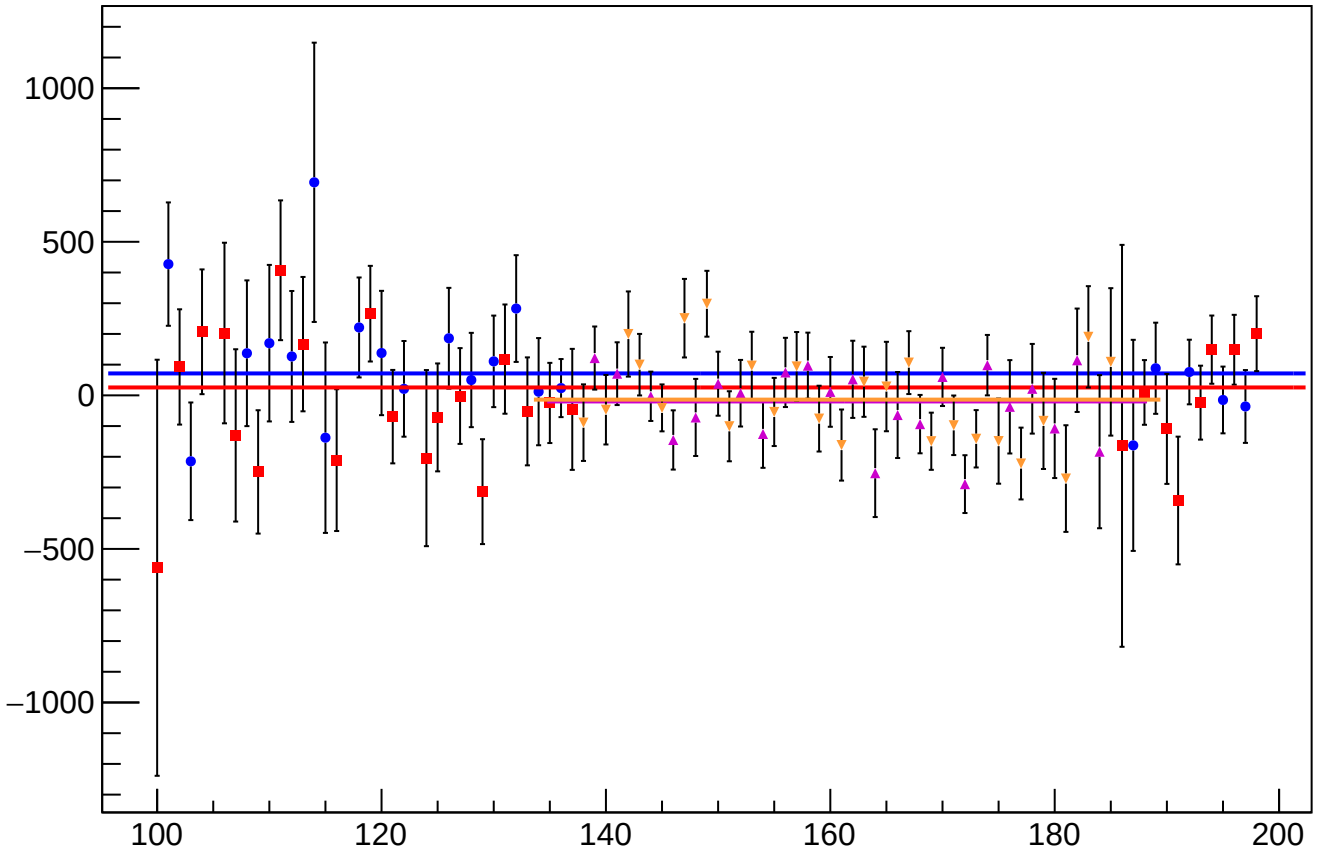
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 659.435+/-0.100 χ^2/NDF: 3181193.6/47

In: 551.475+/-0.074 χ^2/NDF:2574752.5/43

Out: 551.727+/-0.071 χ^2/NDF:3613661.3/51

All: 551.606+/-0.051 χ^2/NDF: 6188419.8/95



Right In: 71.407+/-34.745 χ^2/NDF: 13.4/20

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: 25.724+/-32.323 χ^2/NDF: 25.4/26

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

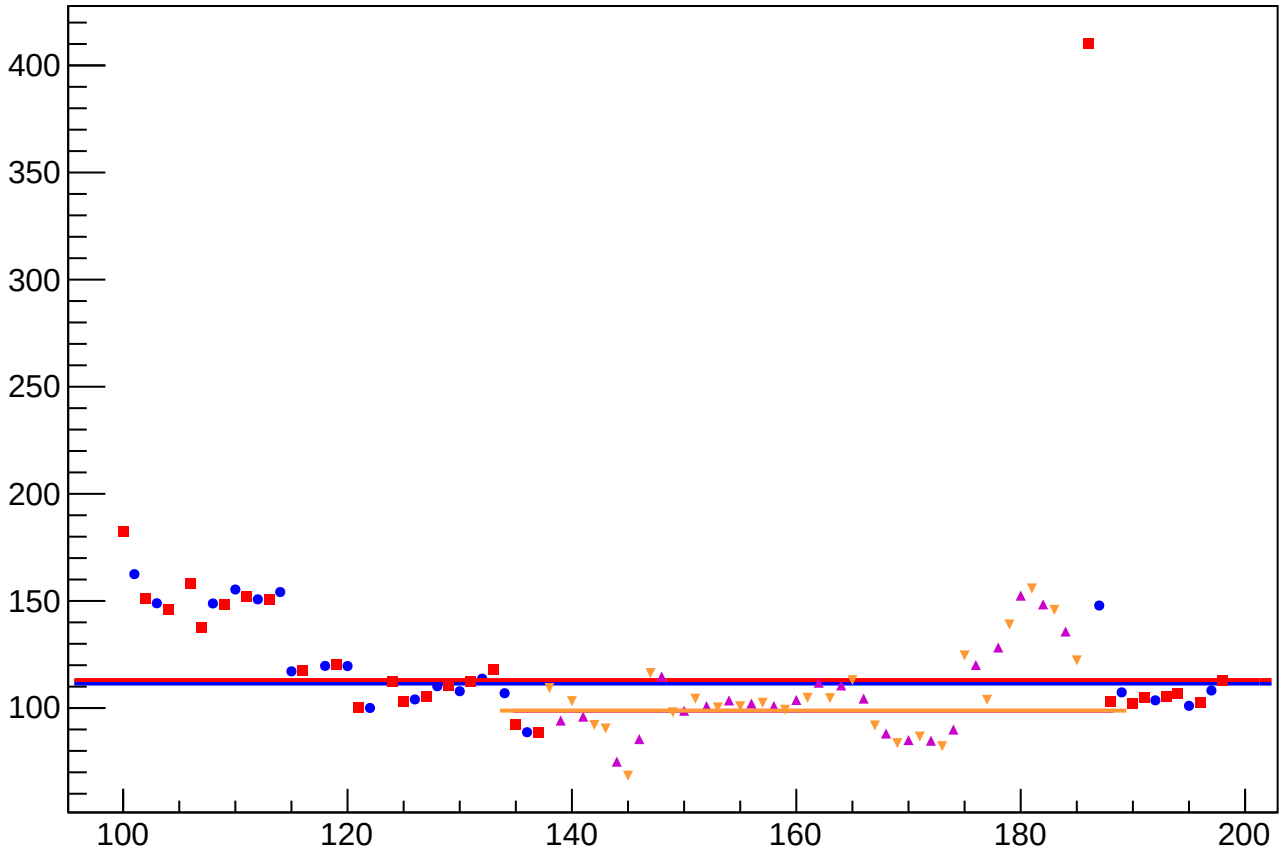
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 46.917+/-23.666 χ^2/NDF: 39.7/47

In: 8.942+/-19.506 χ^2/NDF:41.4/43

Out: -0.649+/-18.694 χ^2/NDF:62.8/51

All: 3.943+/-13.497 χ^2/NDF: 104.3/95



Right In: 111.440+/-0.025 χ^2/NDF: 597790.1/20

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

Right Out: 113.072+/-0.023 χ^2/NDF: 984818.0/26

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

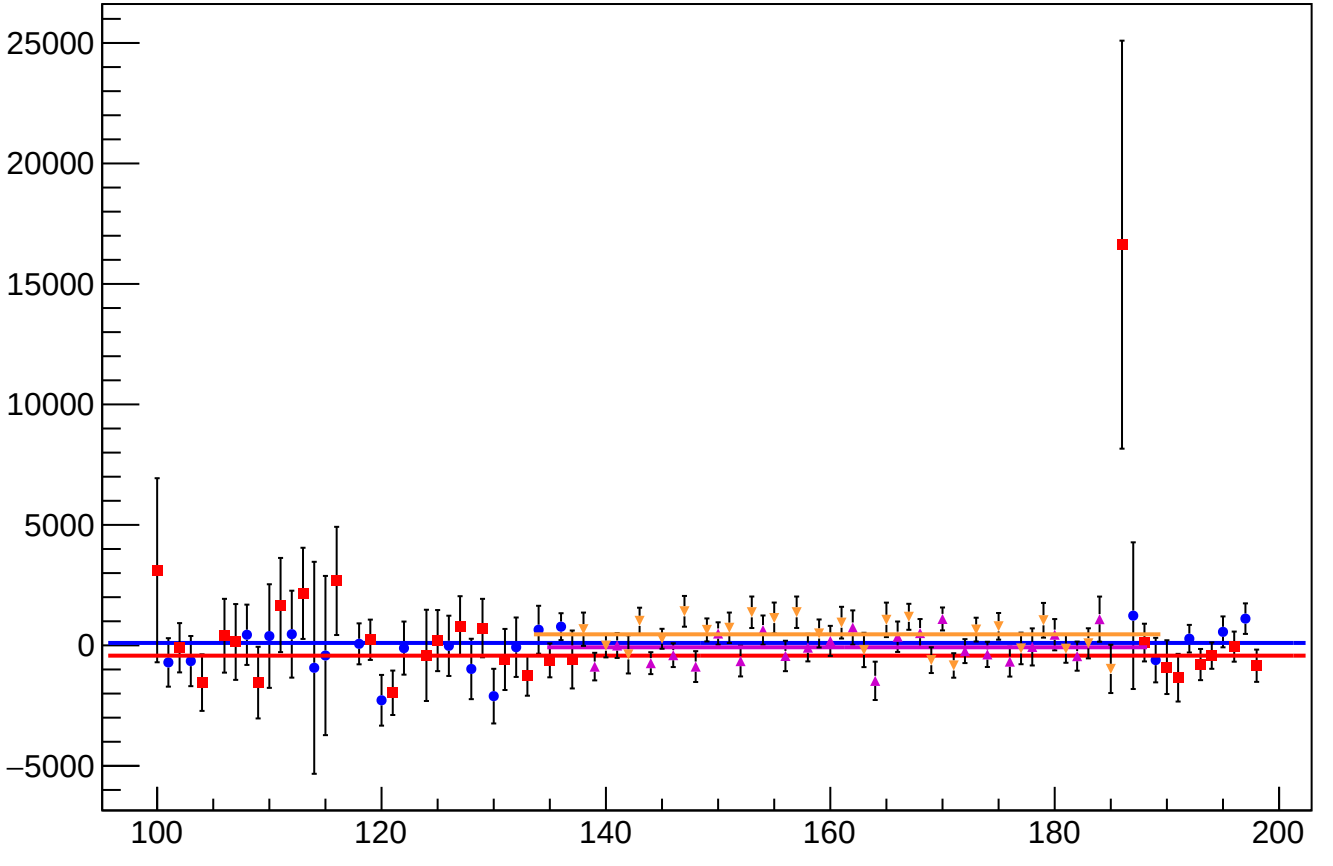
Right: 112.315+/-0.017 χ^2/NDF: 1584974.6/47

In: 102.697+/-0.014 χ^2/NDF:1770525.6/43

Out: 103.573+/-0.013 χ^2/NDF:2430180.7/51

All: 103.154+/-0.010 χ^2/NDF: 4202812.2/95

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 100.927+/-210.806 χ^2/NDF: 16.7/20

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

Right Out: -426.718+/-191.180 χ^2/NDF: 21.0/26

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

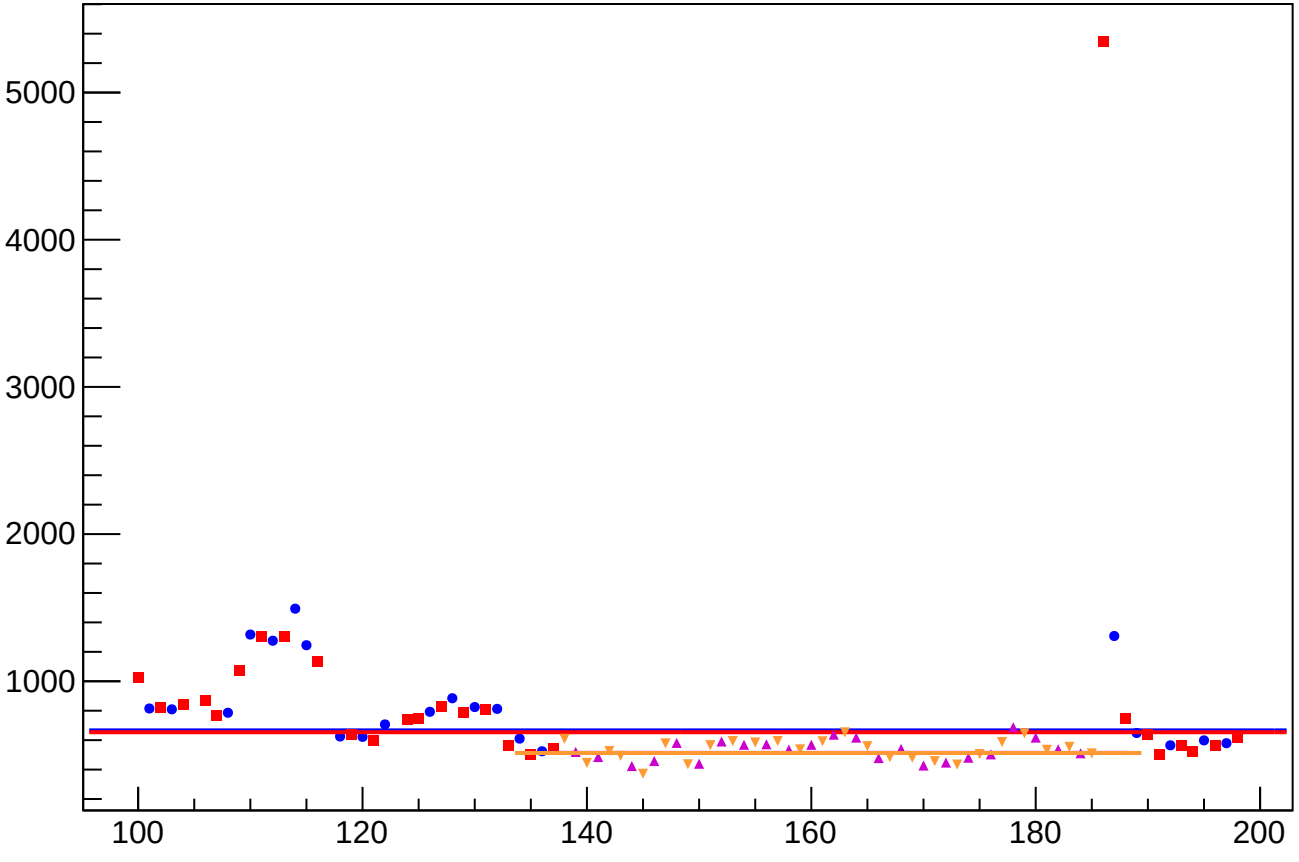
Right: -188.595+/-141.616 χ^2/NDF: 41.2/47

In: -34.012+/-105.226 χ^2/NDF:43.5/43

Out: 214.394+/-100.482 χ^2/NDF:67.4/51

All: 95.917+/-72.671 χ^2/NDF: 113.8/95

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 666.288+/-0.149 χ^2/NDF: 1150611.6/20

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 653.797+/-0.135 χ^2/NDF: 2026723.6/26

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

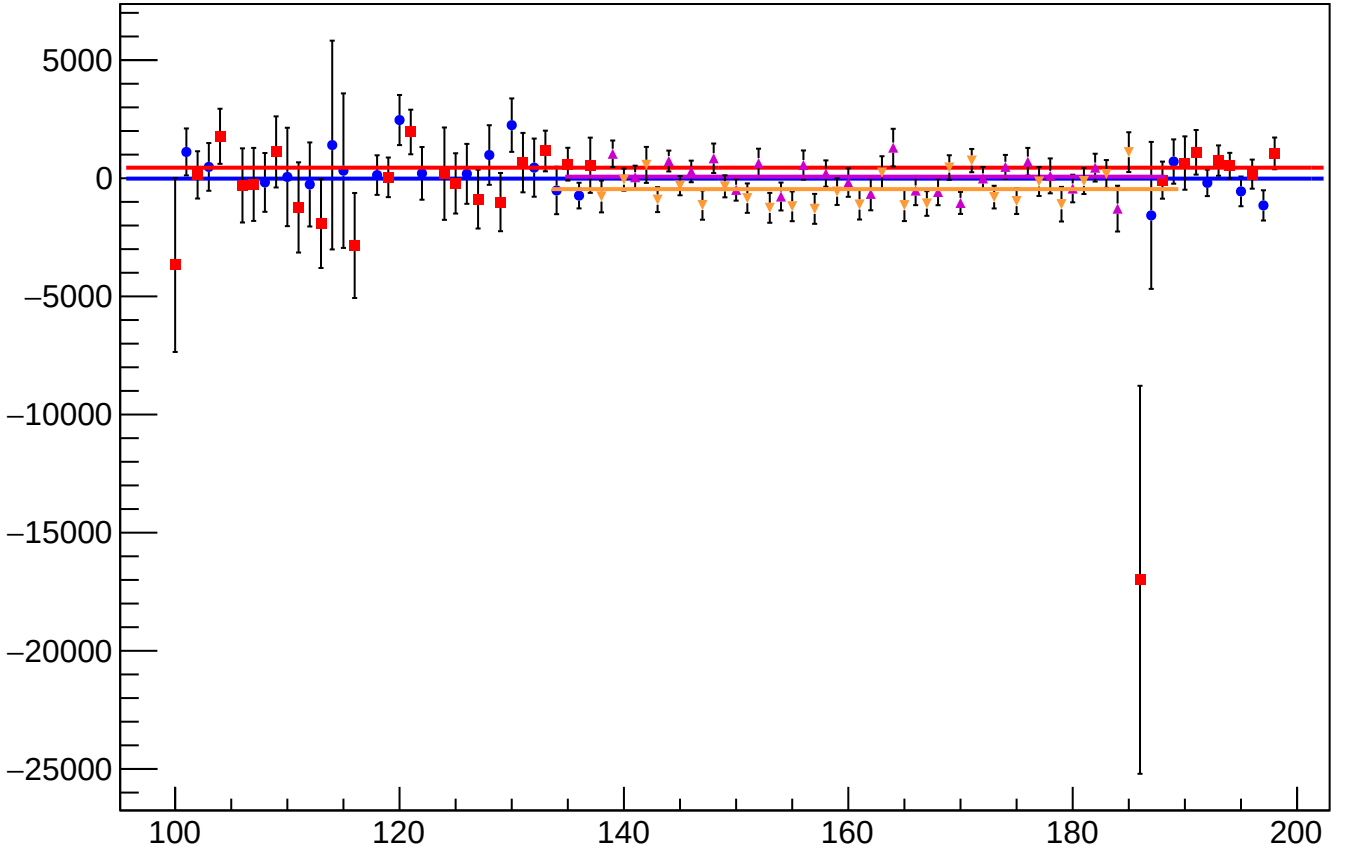
Right: 659.434+/-0.100 χ^2/NDF: 3181187.9/47

In: 551.474+/-0.074 χ^2/NDF:2574744.4/43

Out: 551.726+/-0.071 χ^2/NDF:3613649.9/51

All: 551.606+/-0.051 χ^2/NDF: 6188400.3/95

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: -14.910+/-208.861 χ^2/NDF: 18.8/20

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: 447.188+/-190.225 χ^2/NDF: 21.0/26

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

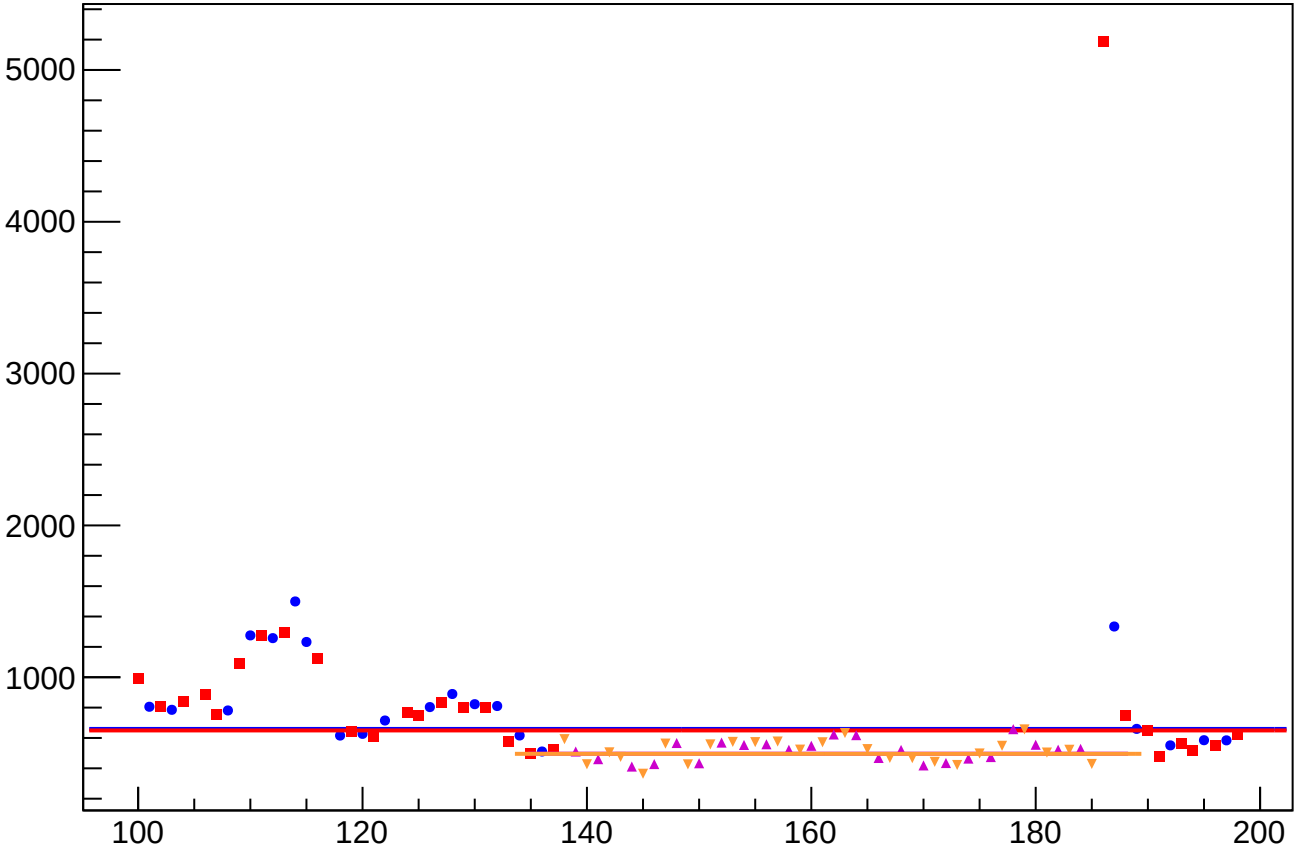
Right: 237.670+/-140.637 χ^2/NDF: 42.5/47

In: 48.135+/-102.318 χ^2/NDF:47.5/43

Out: -219.459+/-97.932 χ^2/NDF:68.5/51

All: -91.521+/-70.748 χ^2/NDF: 119.6/95

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 659.436+/-0.148 χ^2/NDF: 1182616.8/20

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

Right Out: 649.633+/-0.135 χ^2/NDF: 2070905.7/26

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

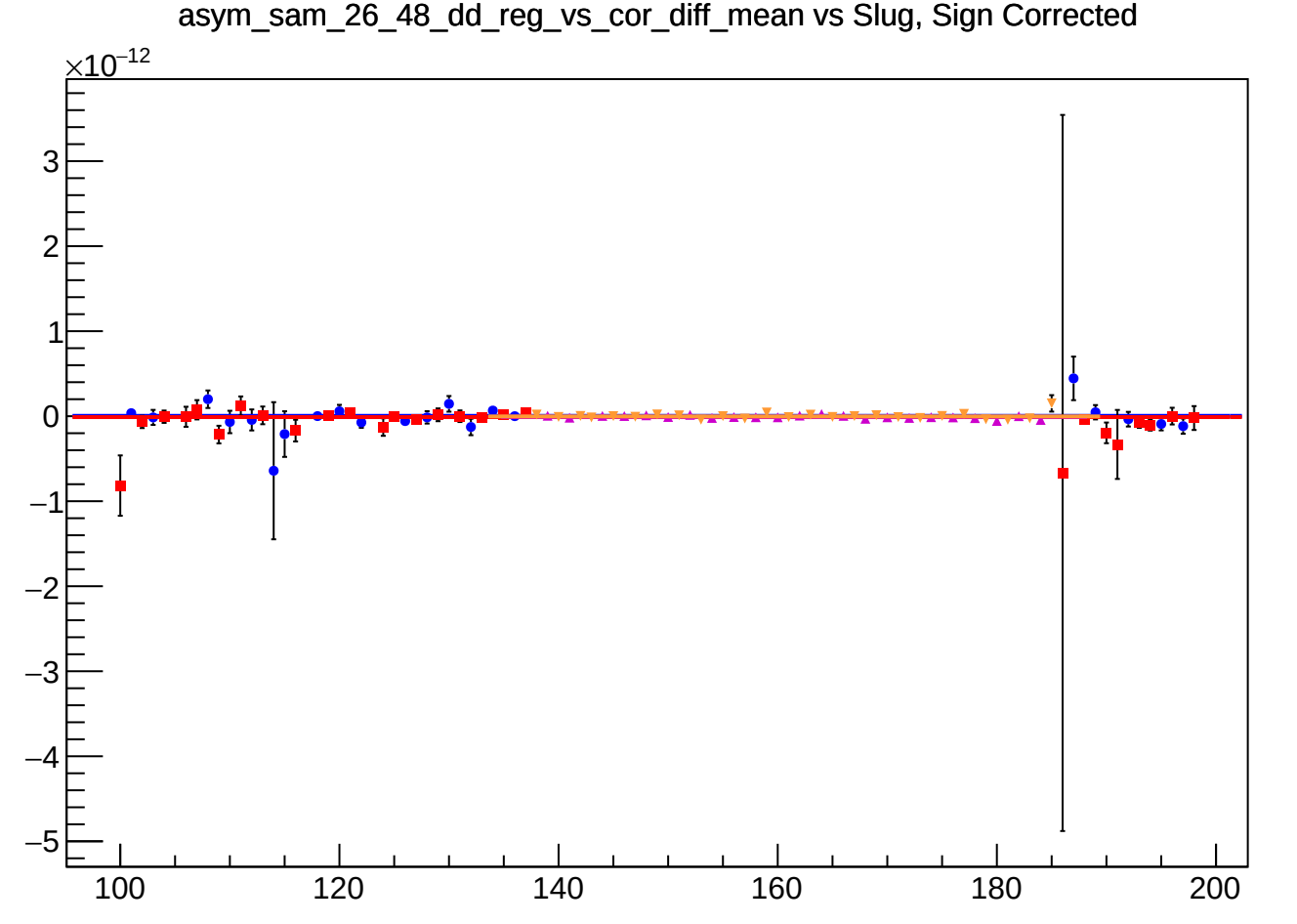
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

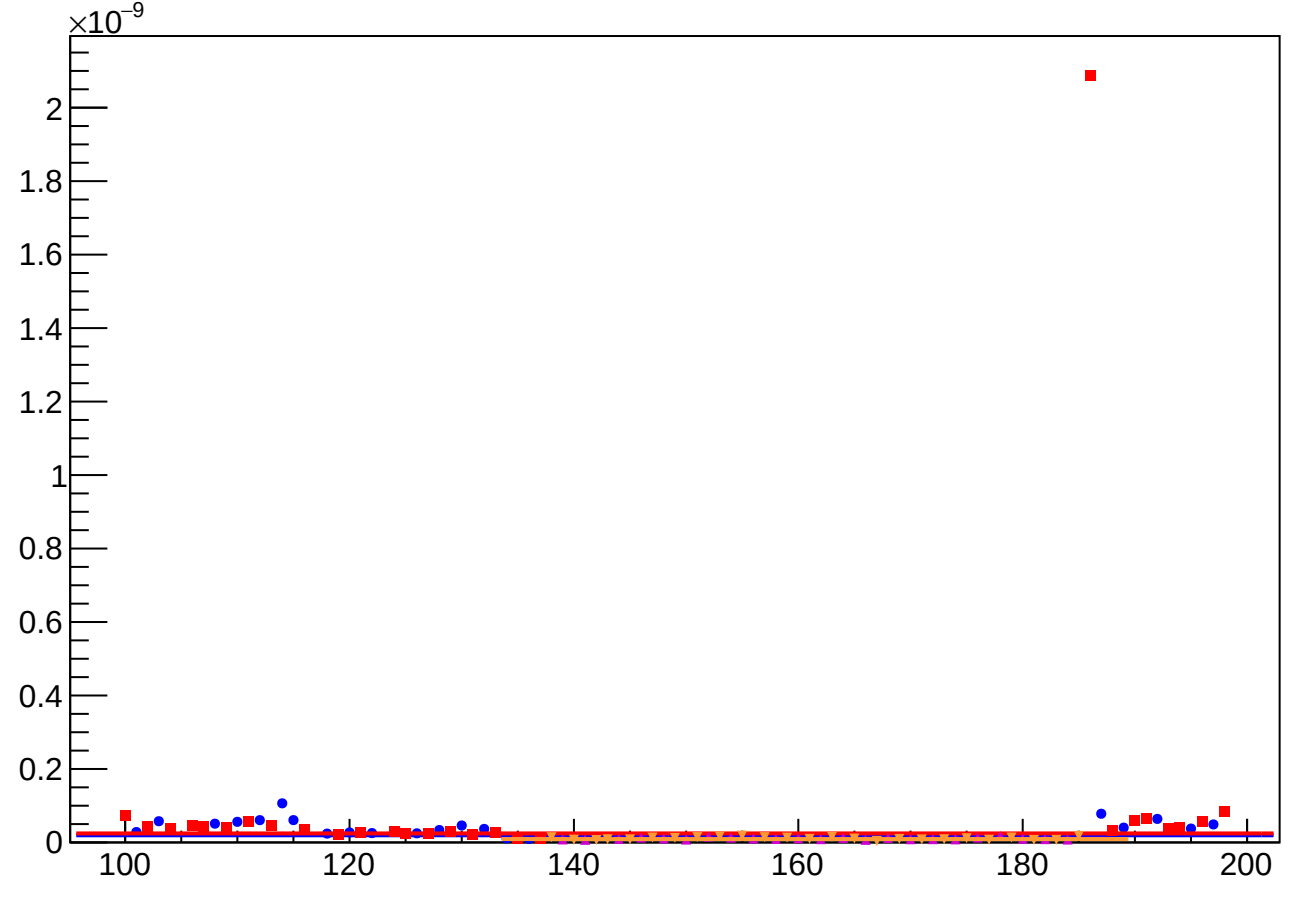
Right: 654.077+/-0.099 χ^2/NDF: 3255930.6/47

In: 535.456+/-0.072 χ^2/NDF:2732217.8/43

Out: 536.361+/-0.069 χ^2/NDF:3840434.5/51

All: 535.929+/-0.050 χ^2/NDF: 6572734.0/95


asym_sam_26_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 24.2/20
Left Out: -0.000+/-0.000 χ²/NDF:25.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.4/26
Left In: -0.000+/-0.000 χ²/NDF:15.5/22
Left: -0.000+/-0.000 χ²/NDF: 41.8/47
Right: -0.000+/-0.000 χ²/NDF: 49.4/47
In: -0.000+/-0.000 χ²/NDF:40.8/43
Out: -0.000+/-0.000 χ²/NDF:49.9/51
All: -0.000+/-0.000 χ²/NDF: 91.3/95



Right In: 0.000+/-0.000 χ^2/NDF: 3535808.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3283636.3/26

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

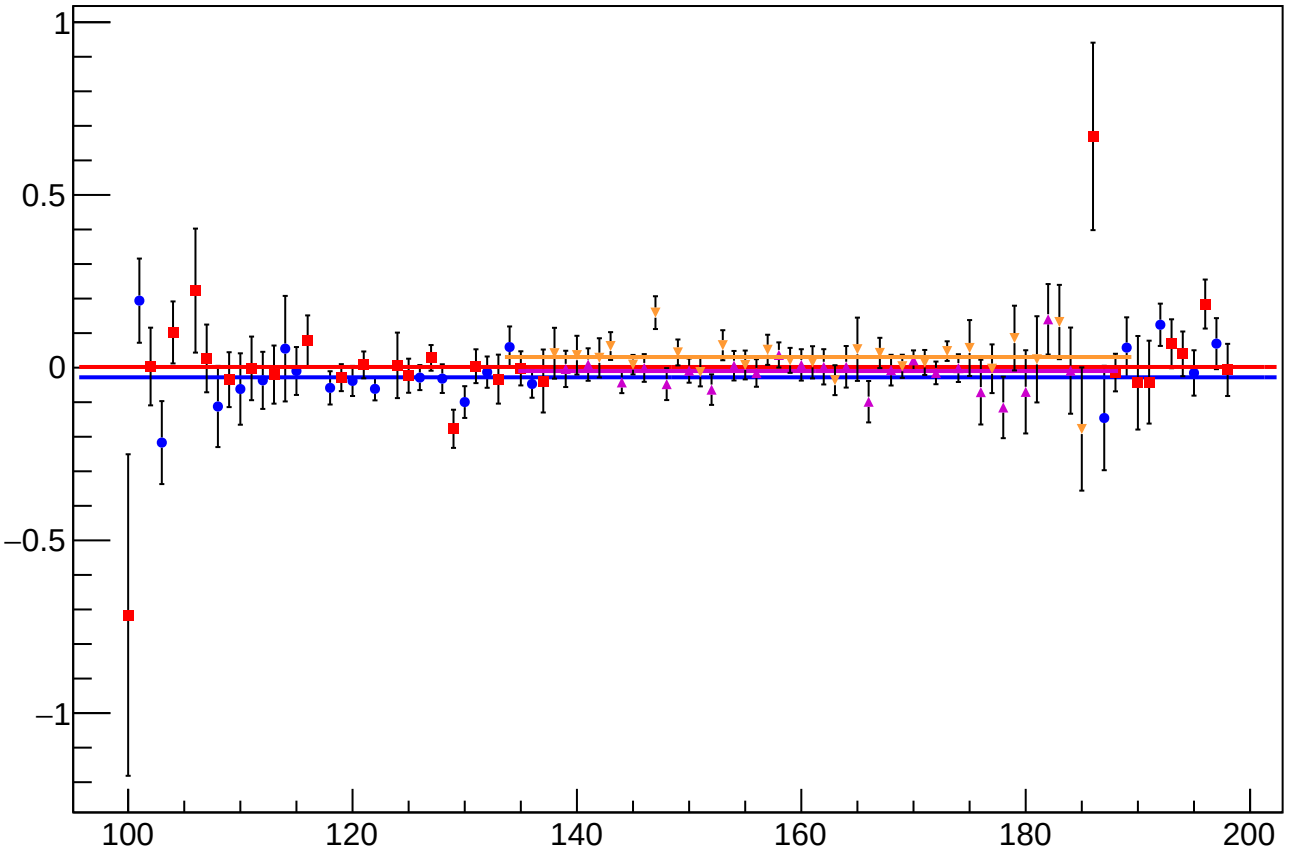
Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

Right: 0.000+/-0.000 χ^2/NDF: 7005724.5/47

In: 0.000+/-0.000 χ^2/NDF:5543970.5/43

Out: 0.000+/-0.000 χ^2/NDF:7981606.5/51

All: 0.000+/-0.000 χ^2/NDF: 13536958.9/95



Right In: -0.028+/-0.012 χ^2/NDF: 22.7/20

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.002+/-0.013 χ^2/NDF: 33.1/26

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

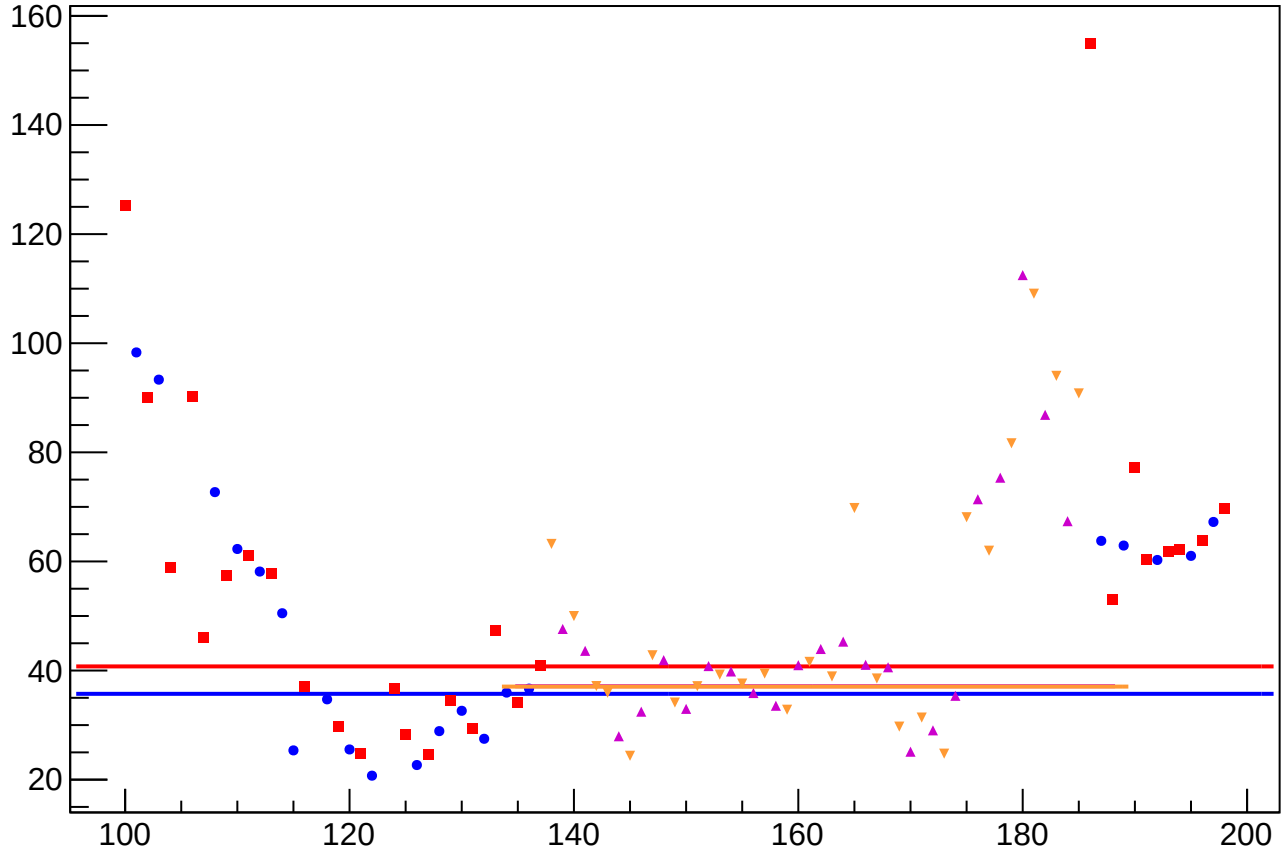
Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

Right: -0.013+/-0.009 χ^2/NDF: 58.7/47

In: -0.016+/-0.007 χ^2/NDF:37.3/43

Out: 0.021+/-0.007 χ^2/NDF:54.4/51

All: 0.002+/-0.005 χ^2/NDF: 104.4/95



Right In: 35.731+/-0.009 χ^2/NDF: 3677723.4/20

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 40.757+/-0.009 χ^2/NDF: 3713019.0/26

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

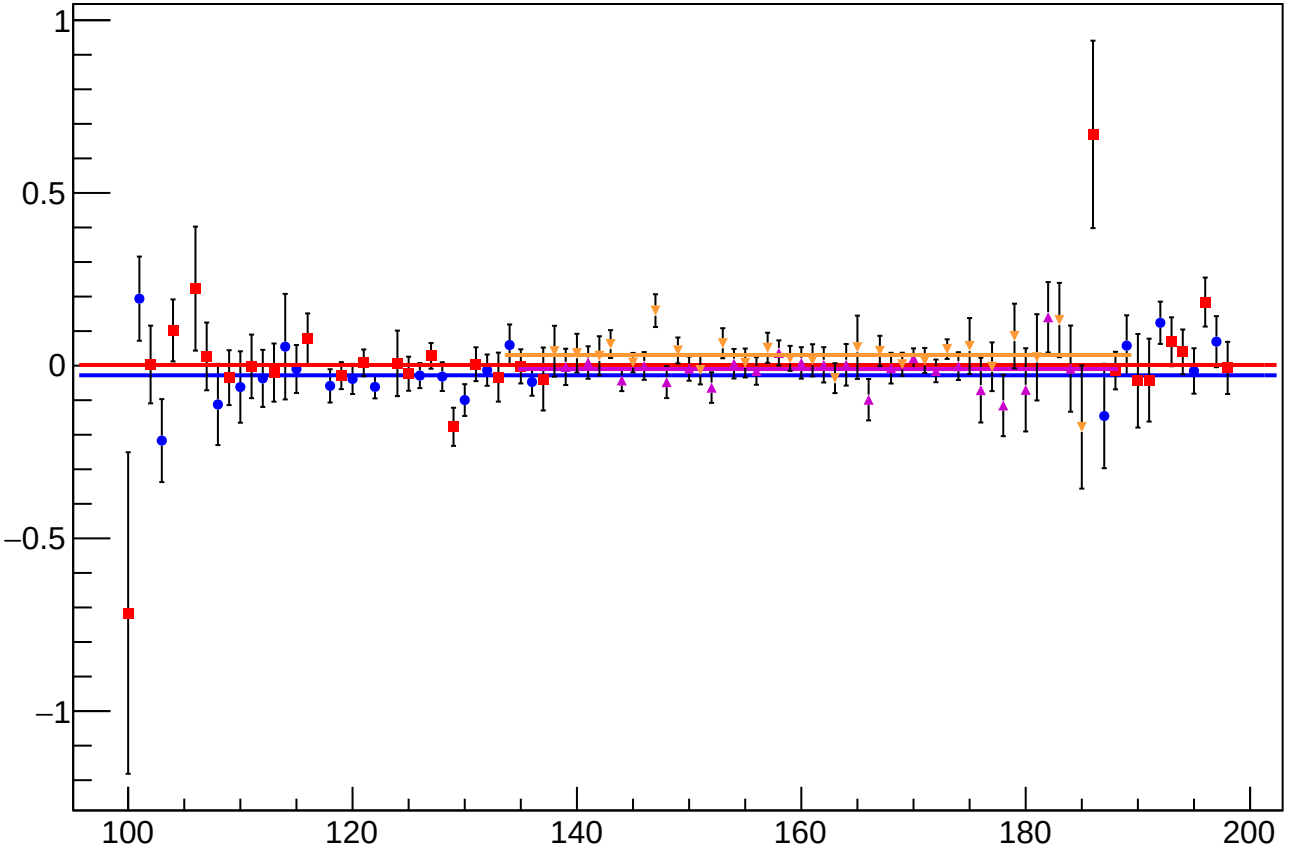
Right: 38.174+/-0.006 χ^2/NDF: 7553547.2/47

In: 36.613+/-0.005 χ^2/NDF:6706836.1/43

Out: 38.327+/-0.005 χ^2/NDF:7879511.3/51

All: 37.476+/-0.004 χ^2/NDF: 14639624.1/95

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.028+/-0.012 χ^2/NDF: 22.7/20

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.002+/-0.013 χ^2/NDF: 33.1/26

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

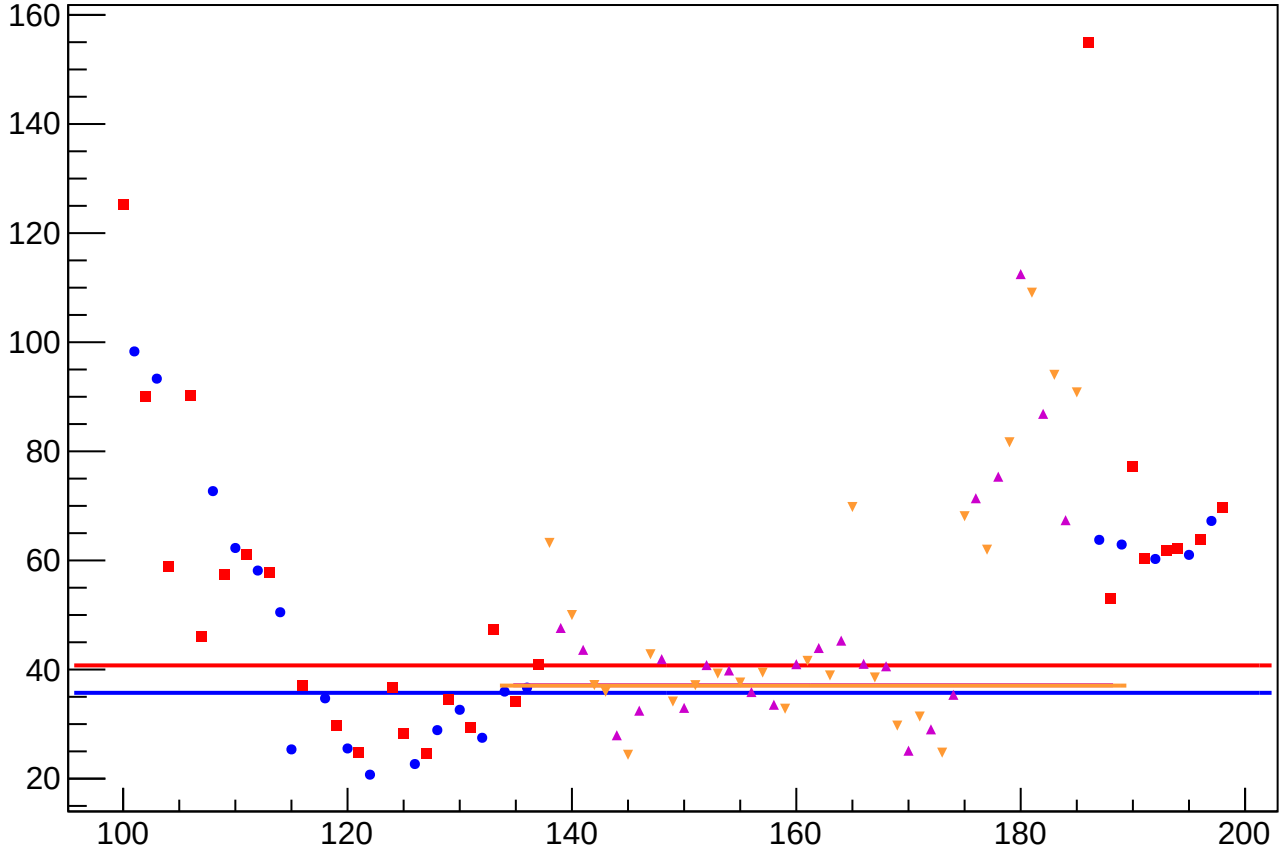
Right: -0.013+/-0.009 χ^2/NDF: 58.7/47

In: -0.016+/-0.007 χ^2/NDF:37.3/43

Out: 0.021+/-0.007 χ^2/NDF:54.4/51

All: 0.002+/-0.005 χ^2/NDF: 104.4/95

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.731+/-0.009 χ^2/NDF: 3677723.4/20

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 40.757+/-0.009 χ^2/NDF: 3713019.0/26

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

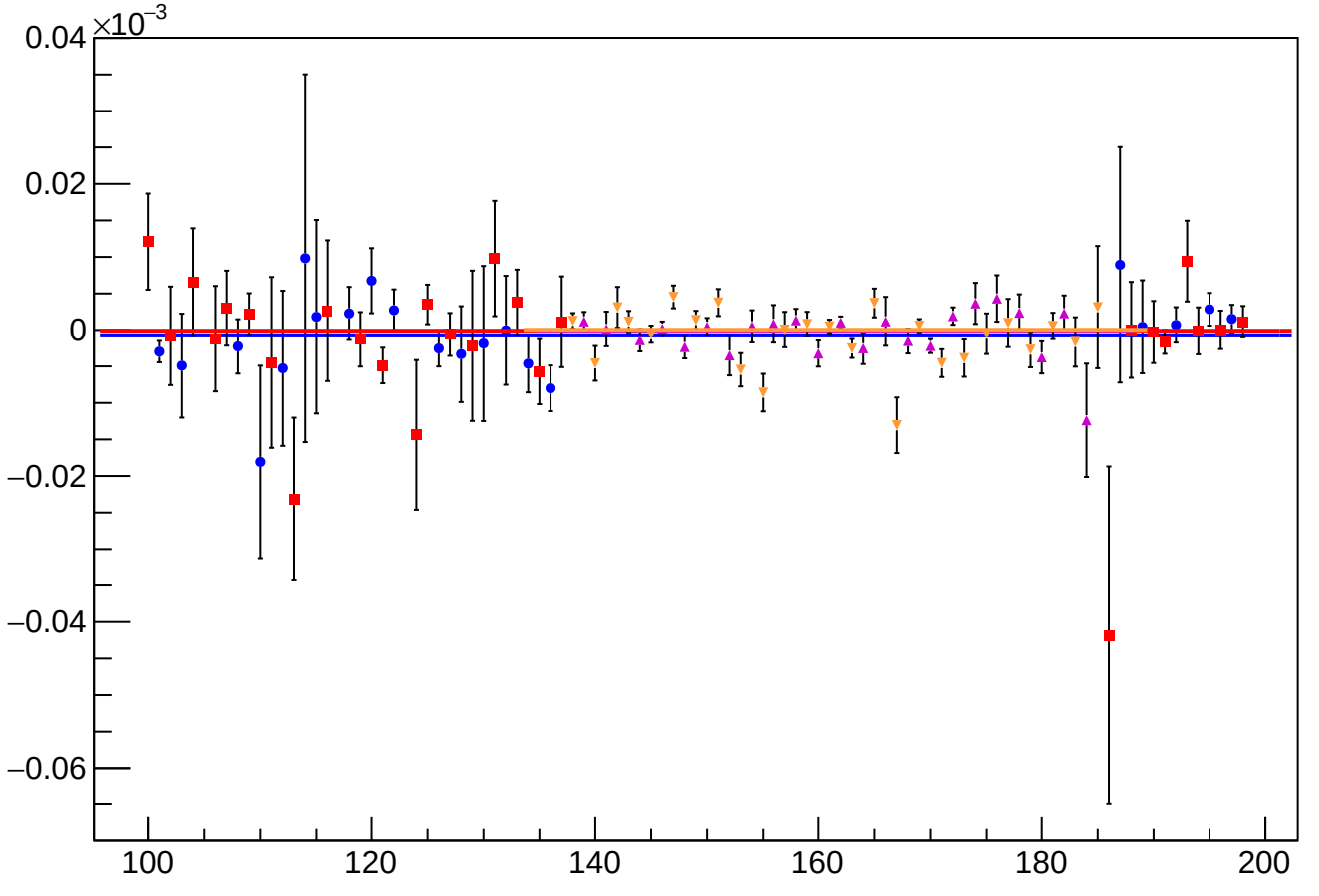
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 38.174+/-0.006 χ^2/NDF: 7553547.2/47

In: 36.613+/-0.005 χ^2/NDF:6706836.1/43

Out: 38.327+/-0.005 χ^2/NDF:7879511.3/51

All: 37.476+/-0.004 χ^2/NDF: 14639624.1/95



Right In: -0.000+/-0.000 χ^2/NDF: 21.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.9/26

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

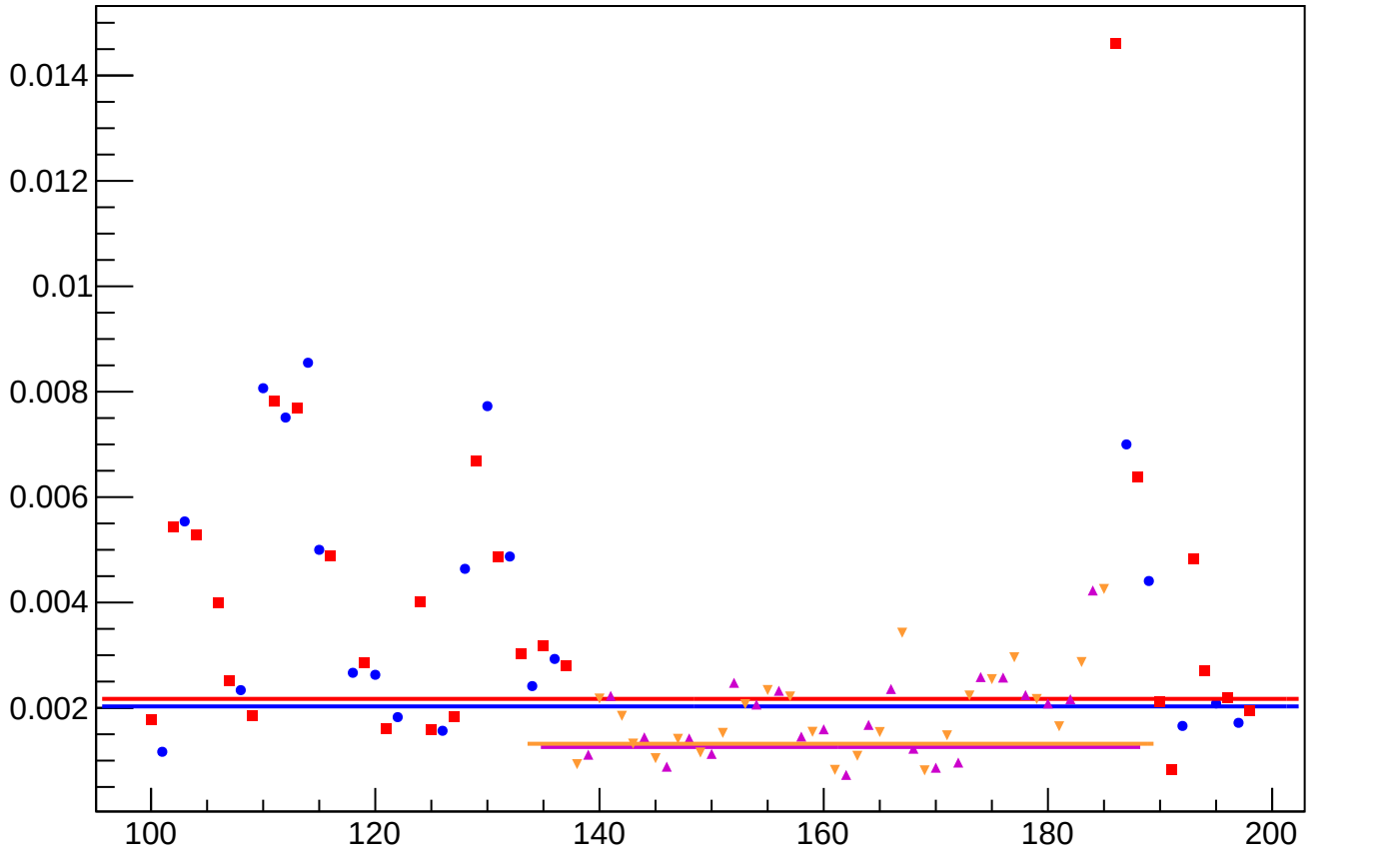
Left: -0.000+/-0.000 χ^2/NDF: 99.9/47

Right: -0.000+/-0.000 χ^2/NDF: 50.9/47

In: -0.000+/-0.000 χ^2/NDF:54.6/43

Out: -0.000+/-0.000 χ^2/NDF:96.5/51

All: -0.000+/-0.000 χ^2/NDF: 151.2/95



Right In: 0.002+/-0.000 χ^2/NDF: 4491612.4/20

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6580912.2/26

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

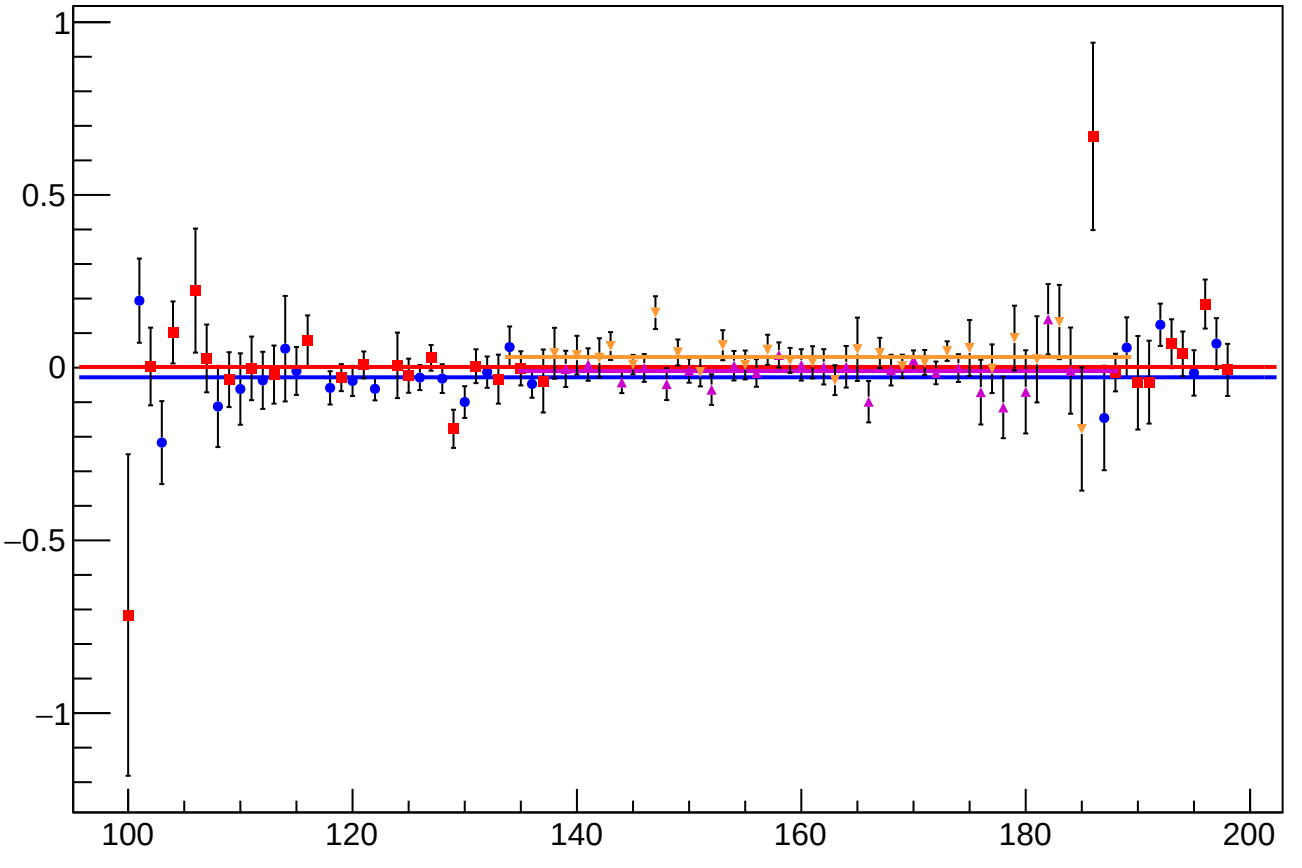
Left: 0.001+/-0.000 χ^2/NDF: 11036327.2/47

Right: 0.002+/-0.000 χ^2/NDF: 11110895.6/47

In: 0.001+/-0.000 χ^2/NDF:11712528.2/43

Out: 0.001+/-0.000 χ^2/NDF:14460474.4/51

All: 0.001+/-0.000 χ^2/NDF: 26238548.8/95



Right In: -0.028+/-0.012 χ^2/NDF: 22.7/20

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.002+/-0.013 χ^2/NDF: 33.1/26

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

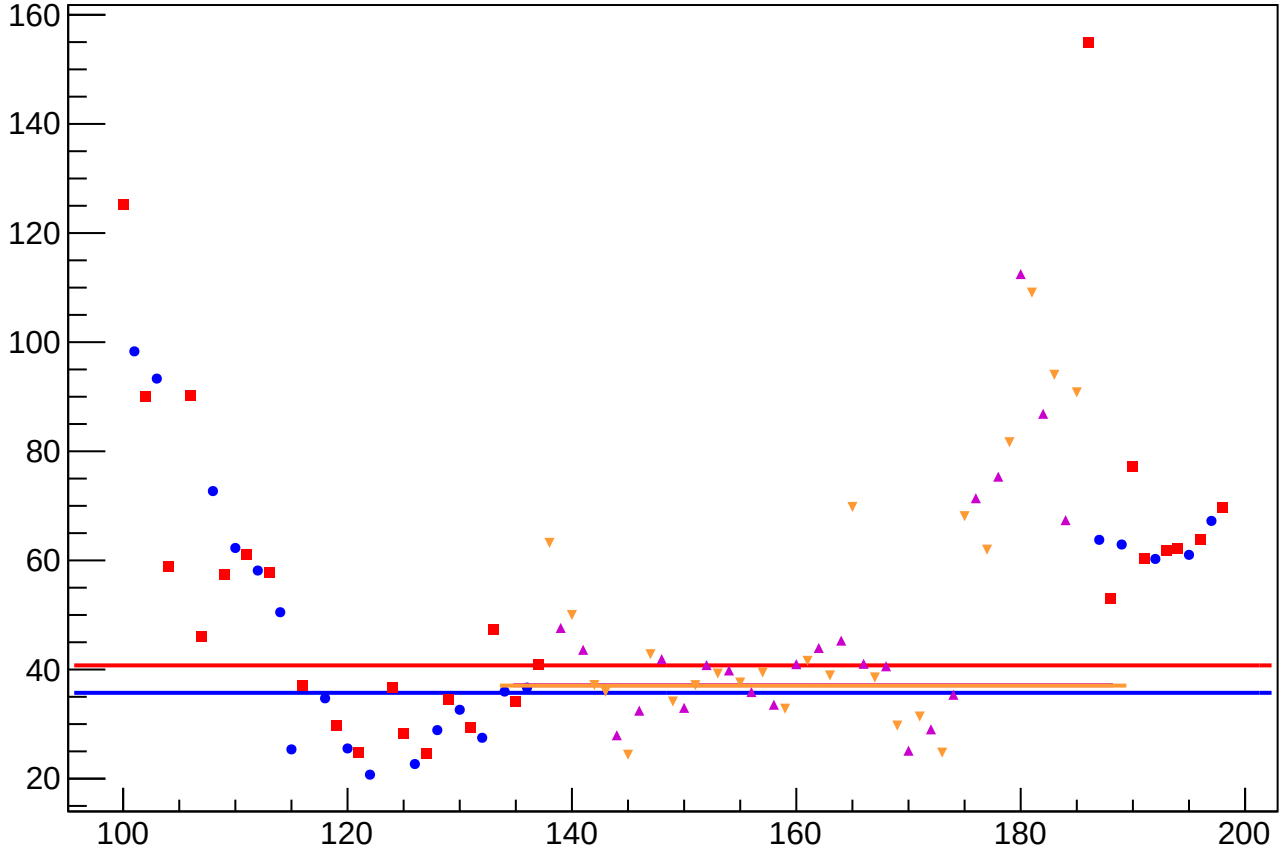
Right: -0.013+/-0.009 χ^2/NDF: 58.7/47

In: -0.016+/-0.007 χ^2/NDF:37.3/43

Out: 0.021+/-0.007 χ^2/NDF:54.4/51

All: 0.002+/-0.005 χ^2/NDF: 104.4/95

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.731+/-0.009 χ^2/NDF: 3677674.2/20

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 40.758+/-0.009 χ^2/NDF: 3712840.4/26

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

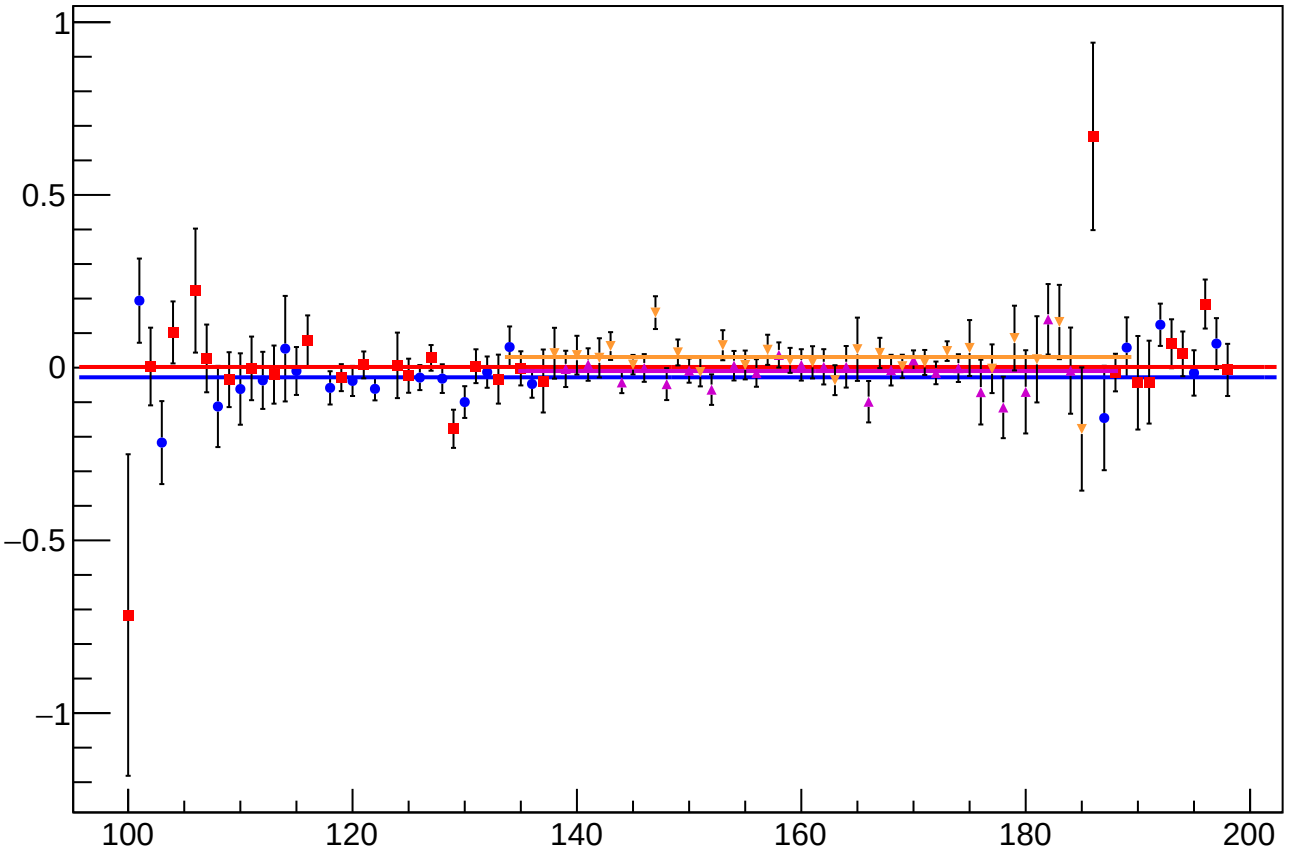
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 38.175+/-0.006 χ^2/NDF: 7553322.5/47

In: 36.613+/-0.005 χ^2/NDF:6706748.4/43

Out: 38.327+/-0.005 χ^2/NDF:7879371.0/51

All: 37.476+/-0.004 χ^2/NDF: 14639396.6/95



Right In: -0.028+/-0.012 χ^2/NDF: 22.7/20

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.002+/-0.013 χ^2/NDF: 33.1/26

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

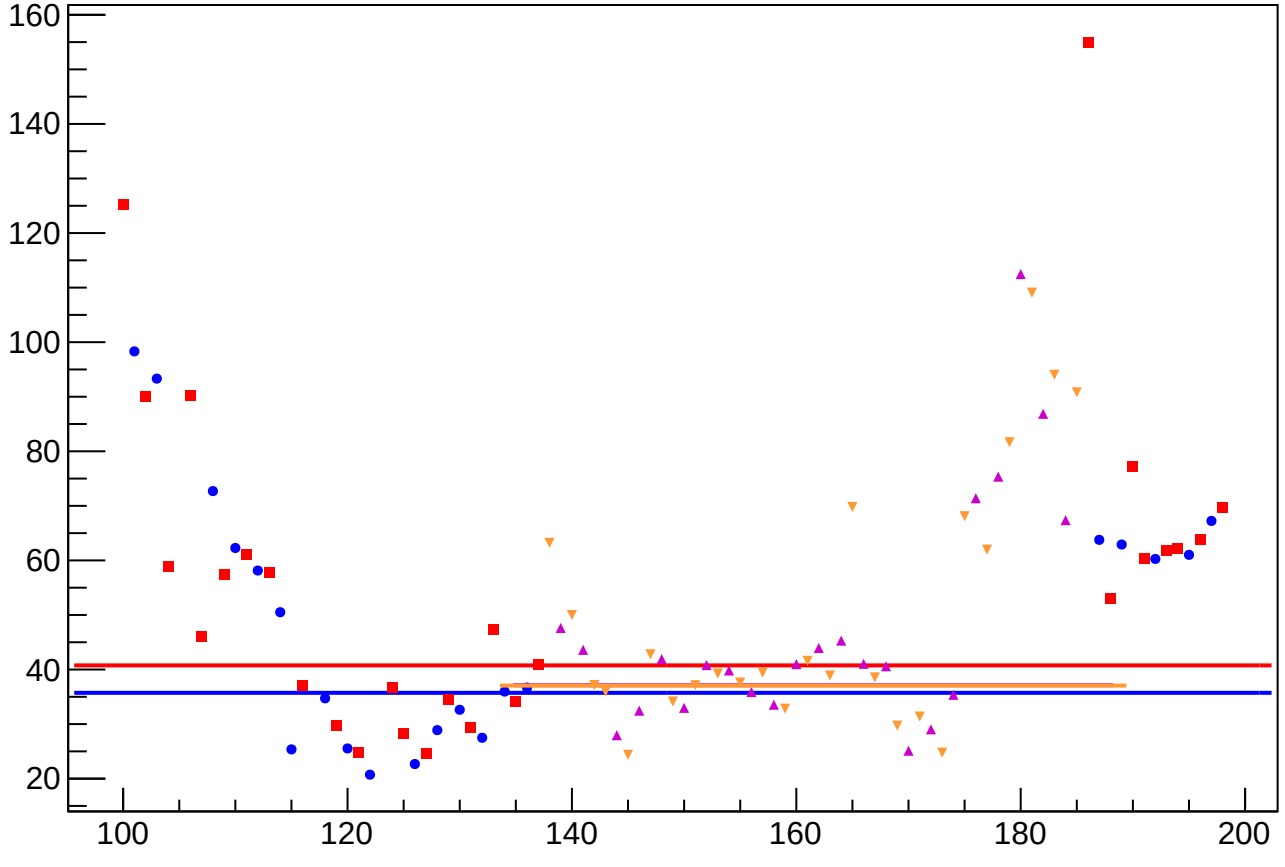
Right: -0.013+/-0.009 χ^2/NDF: 58.7/47

In: -0.016+/-0.007 χ^2/NDF:37.3/43

Out: 0.021+/-0.007 χ^2/NDF:54.4/51

All: 0.002+/-0.005 χ^2/NDF: 104.4/95

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.731+/-0.009 χ^2/NDF: 3677674.2/20

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 40.758+/-0.009 χ^2/NDF: 3712840.4/26

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

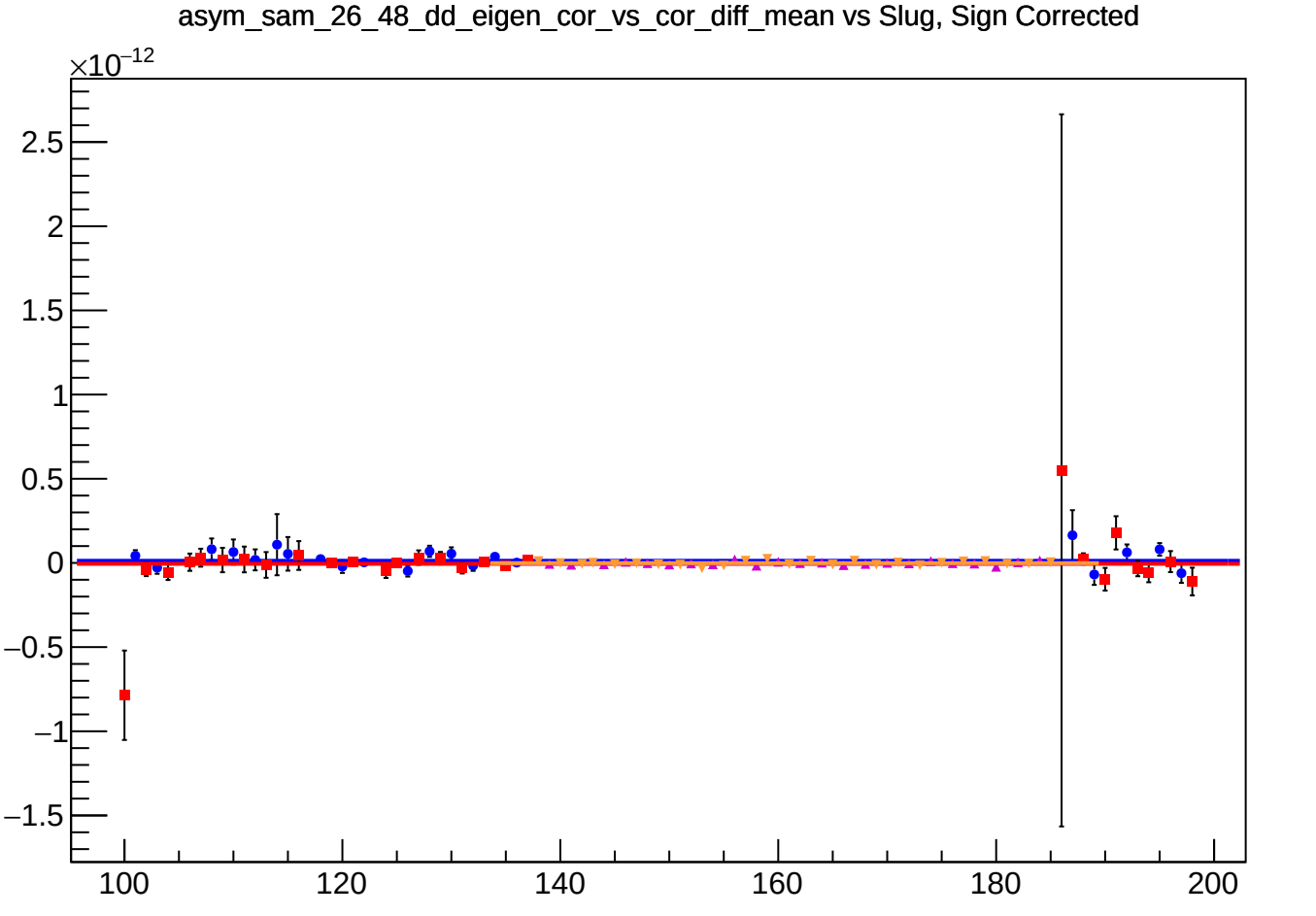
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 38.175+/-0.006 χ^2/NDF: 7553322.5/47

In: 36.613+/-0.005 χ^2/NDF:6706748.4/43

Out: 38.327+/-0.005 χ^2/NDF:7879371.0/51

All: 37.476+/-0.004 χ^2/NDF: 14639396.6/95



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/26

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

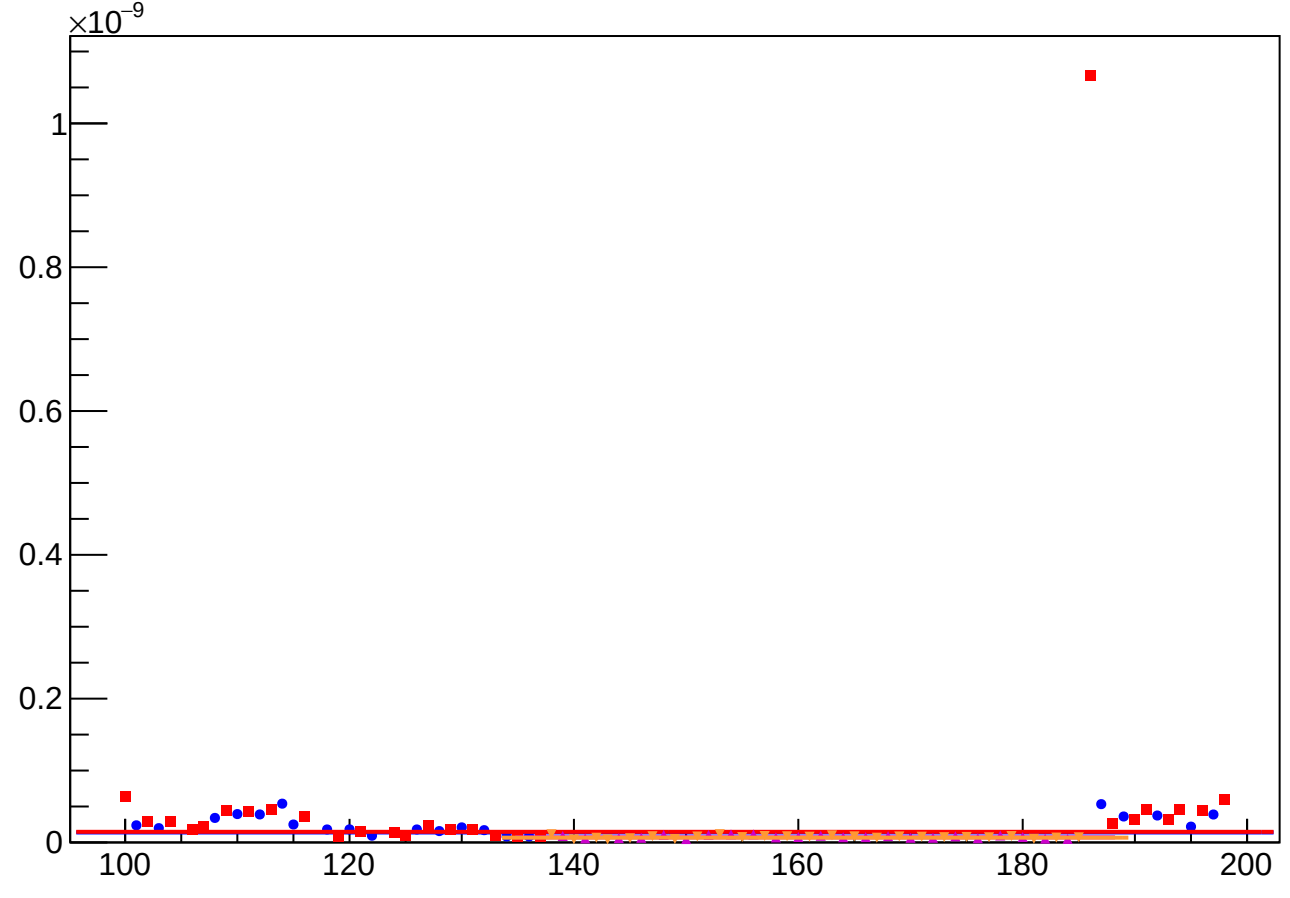
Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

Right: 0.000+/-0.000 χ^2/NDF: 56.5/47

In: -0.000+/-0.000 χ^2/NDF:52.1/43

Out: -0.000+/-0.000 χ^2/NDF:53.0/51

All: -0.000+/-0.000 χ^2/NDF: 105.1/95



Right In: 0.000+/-0.000 χ^2/NDF: 3615196.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5953383.8/26

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

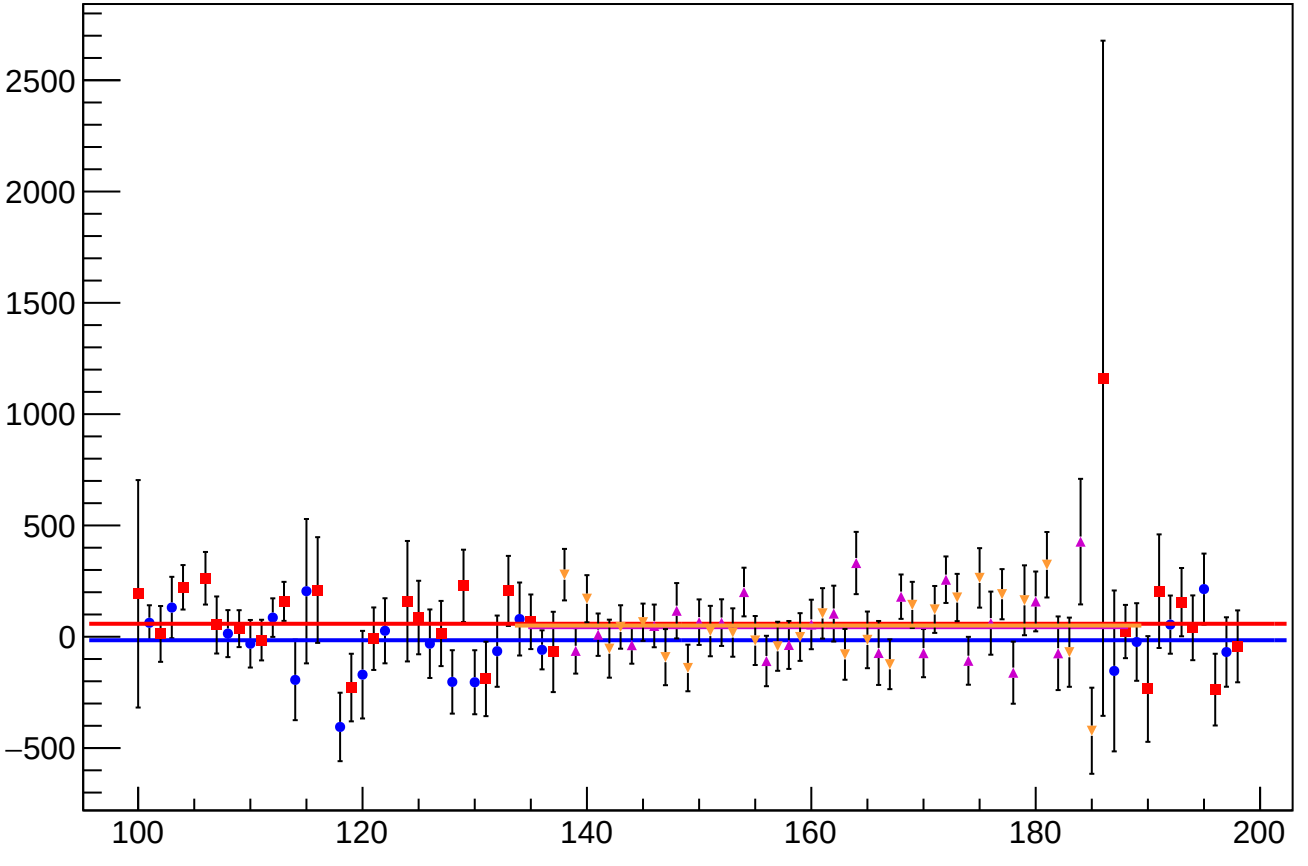
Right: 0.000+/-0.000 χ^2/NDF: 9590285.4/47

In: 0.000+/-0.000 χ^2/NDF:7191919.0/43

Out: 0.000+/-0.000 χ^2/NDF:10933037.9/51

All: 0.000+/-0.000 χ^2/NDF: 18169144.5/95

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: -15.649+/-28.809 χ^2/NDF: 18.9/20

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: 58.305+/-26.861 χ^2/NDF: 23.7/26

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.795+/-16.509 χ^2/NDF: 60.1/47

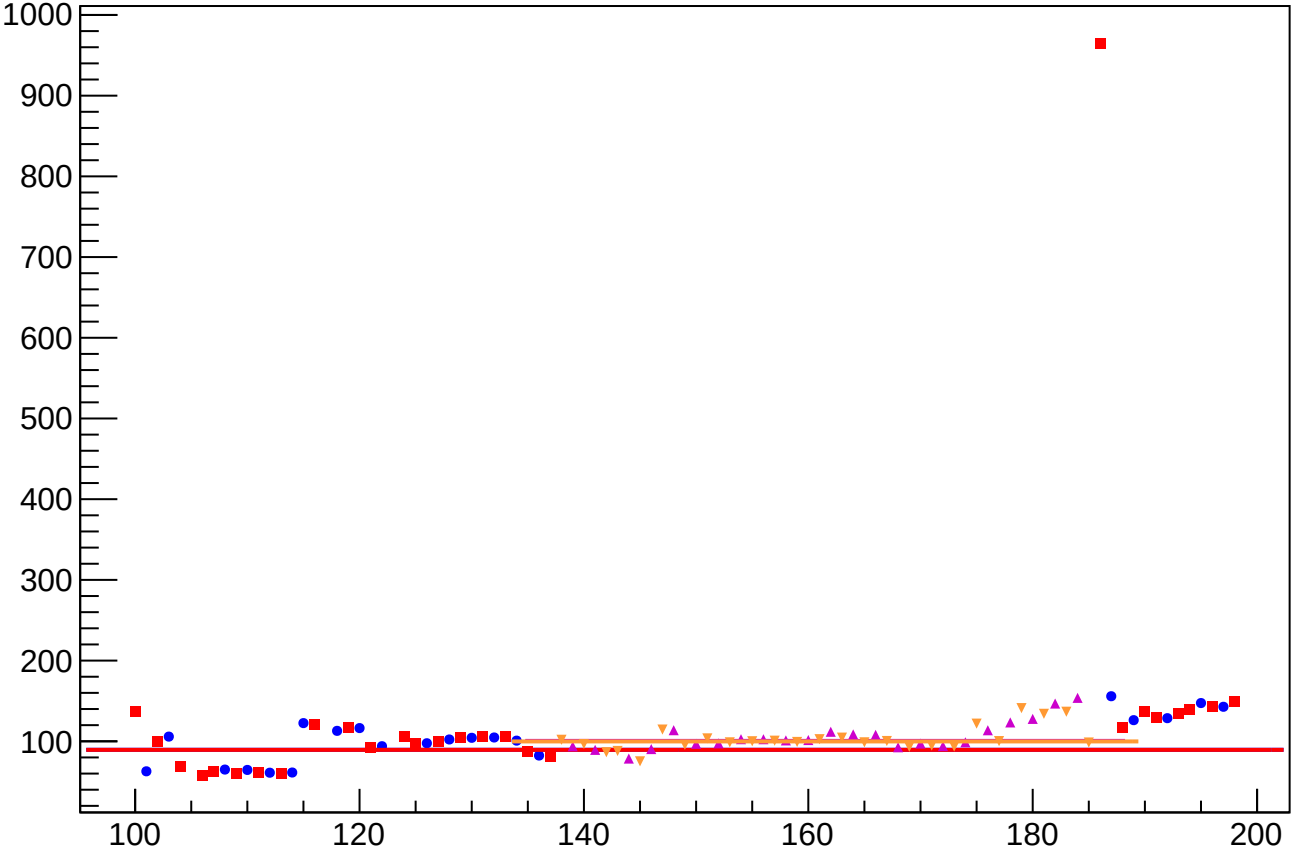
Right: 23.912+/-19.646 χ^2/NDF: 46.1/47

In: 19.274+/-18.329 χ^2/NDF:48.0/43

Out: 53.687+/-17.452 χ^2/NDF:57.2/51

All: 37.324+/-12.639 χ^2/NDF: 107.1/95

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 89.480+/-0.020 χ^2/NDF: 1761271.3/20

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 89.391+/-0.019 χ^2/NDF: 3012987.8/26

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

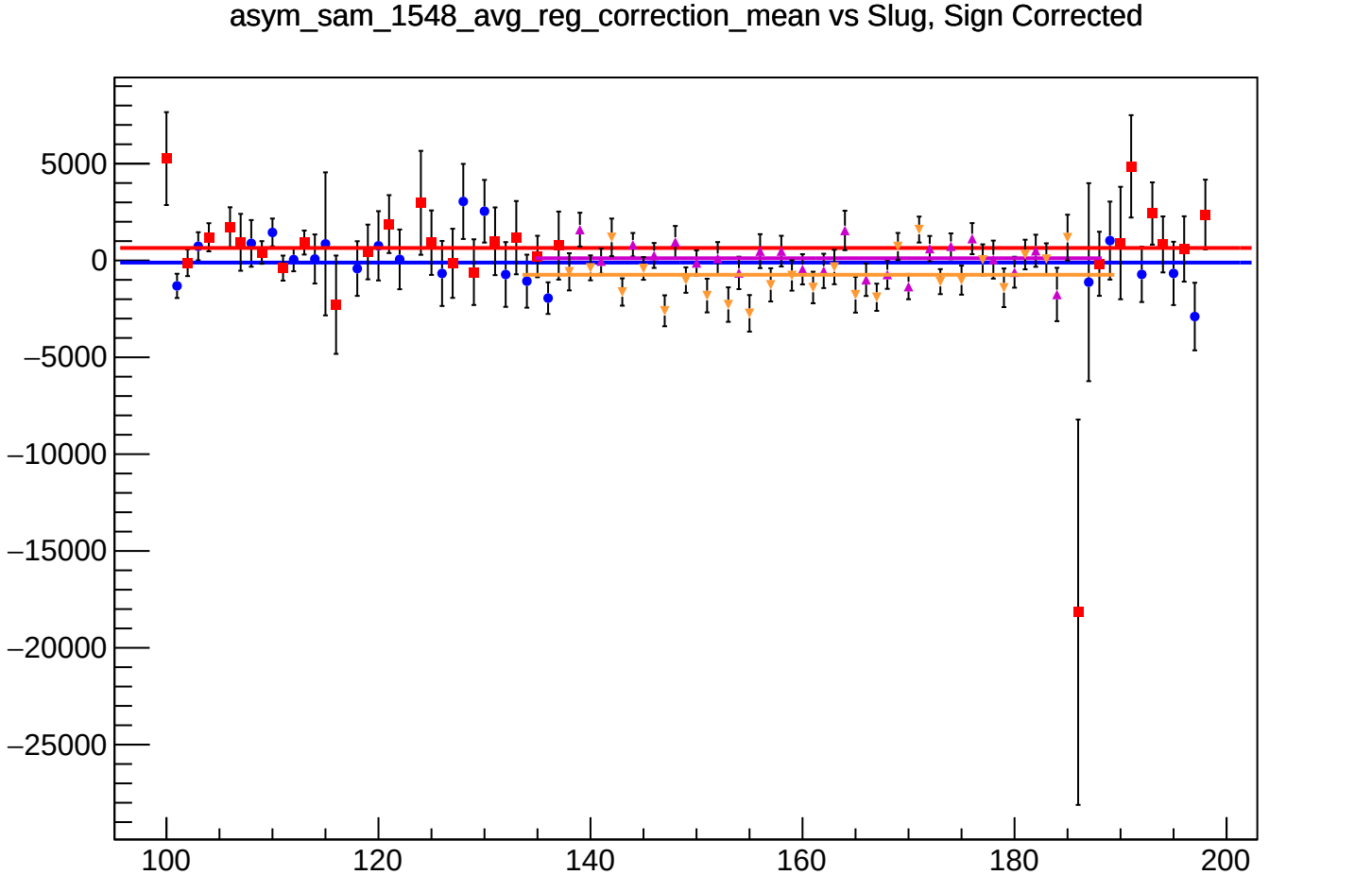
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

Right: 89.432+/-0.014 χ^2/NDF: 4774269.3/47

In: 96.038+/-0.013 χ^2/NDF:2592240.5/43

Out: 95.429+/-0.012 χ^2/NDF:3885610.1/51

All: 95.718+/-0.009 χ^2/NDF: 6479009.5/95



Right In: -108.450+/-245.306 χ^2/NDF: 25.2/20

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: 646.540+/-225.054 χ^2/NDF: 21.9/26

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

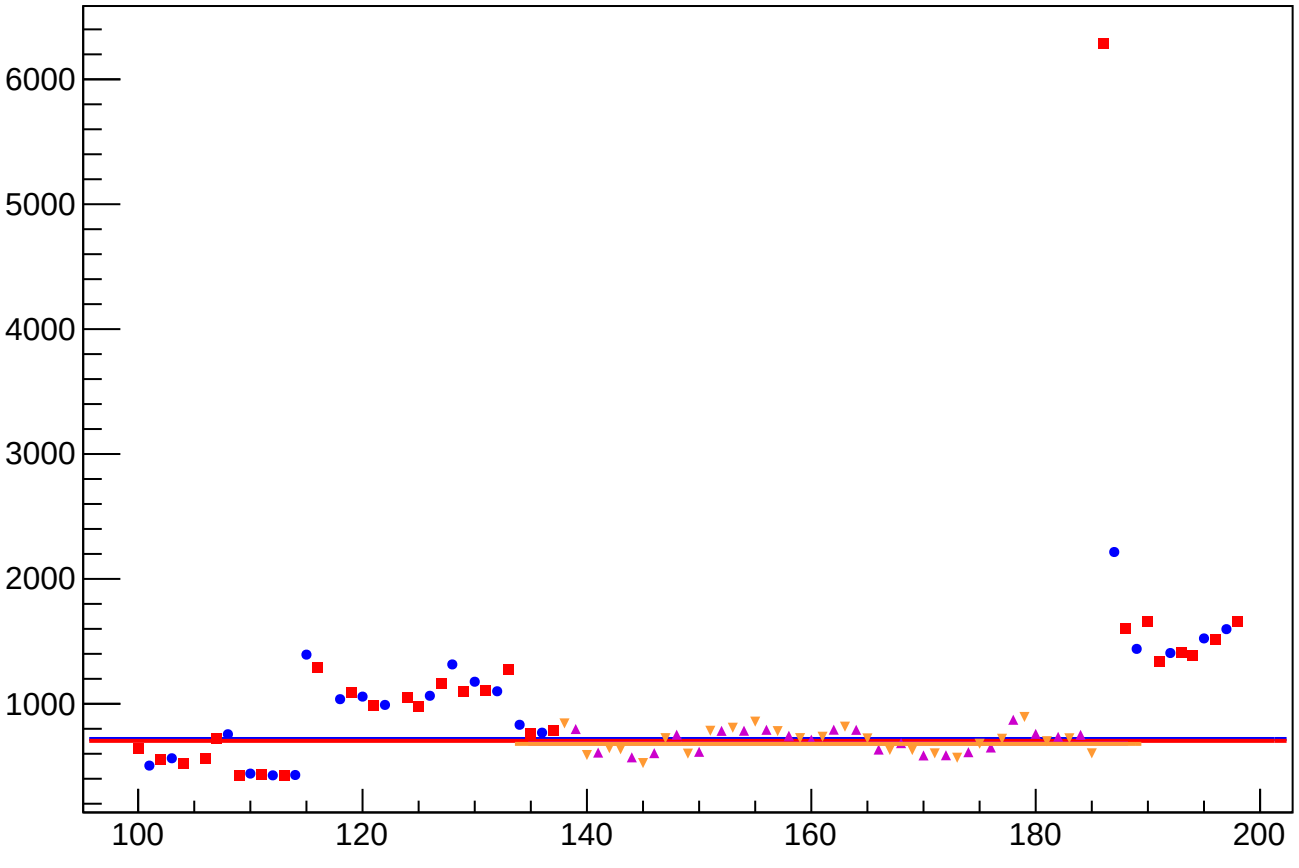
Left: -323.953+/-112.146 χ^2/NDF: 87.9/47

Right: 301.493+/-165.835 χ^2/NDF: 52.3/47

In: 48.178+/-134.593 χ^2/NDF:49.5/43

Out: -287.691+/-128.383 χ^2/NDF:97.2/51

All: -127.684+/-92.898 χ^2/NDF: 149.9/95



Right In: 718.304+/-0.173 χ^2/NDF: 3939826.7/20

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 703.318+/-0.159 χ^2/NDF: 5840812.8/26

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

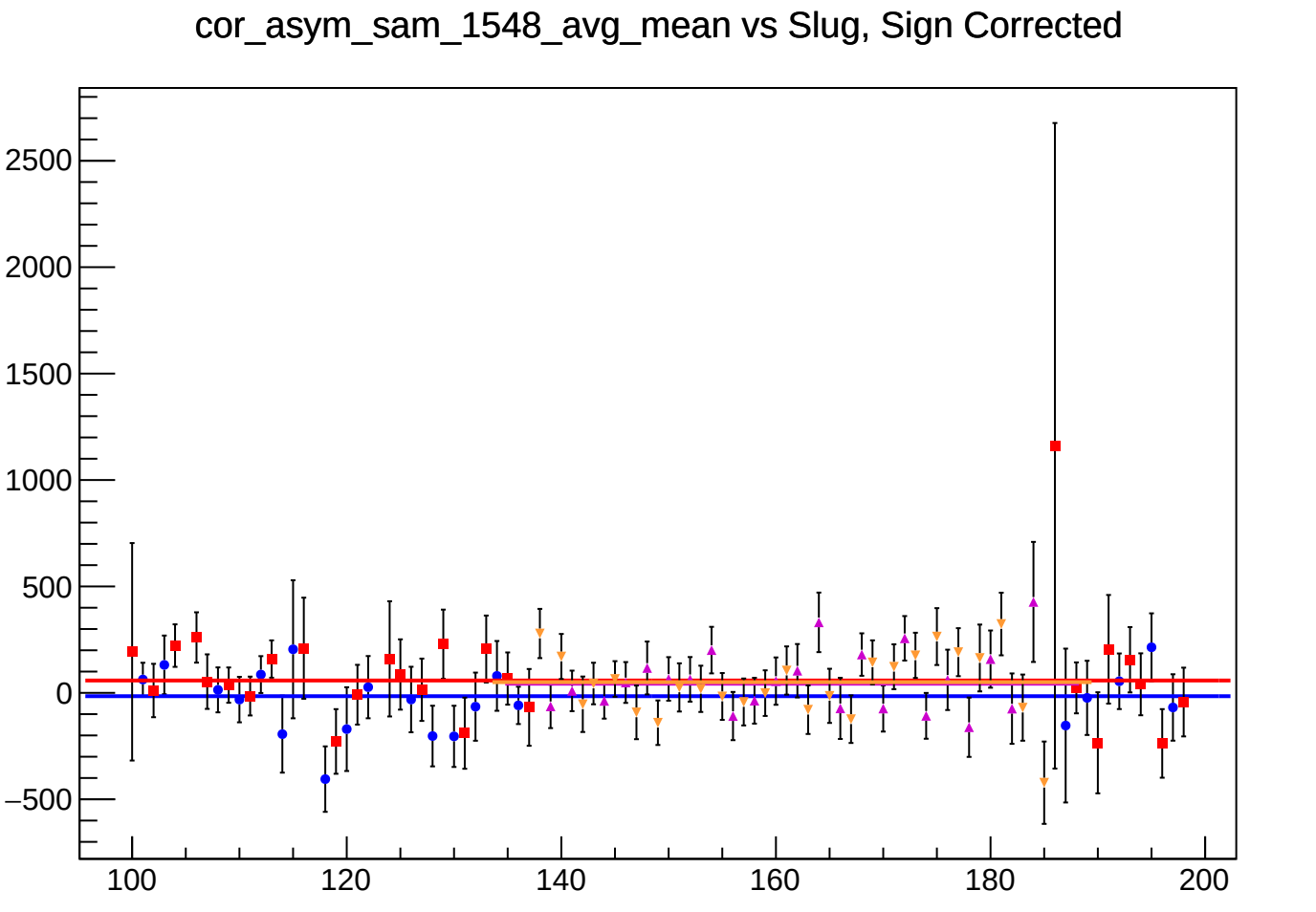
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 710.167+/-0.117 χ^2/NDF: 9784692.3/47

In: 692.854+/-0.095 χ^2/NDF:4544437.3/43

Out: 687.012+/-0.091 χ^2/NDF:6593796.1/51

All: 689.795+/-0.066 χ^2/NDF: 11140206.5/95



Right In: -15.651+/-28.809 χ^2/NDF: 18.9/20

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 58.090+/-26.863 χ^2/NDF: 23.6/26

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

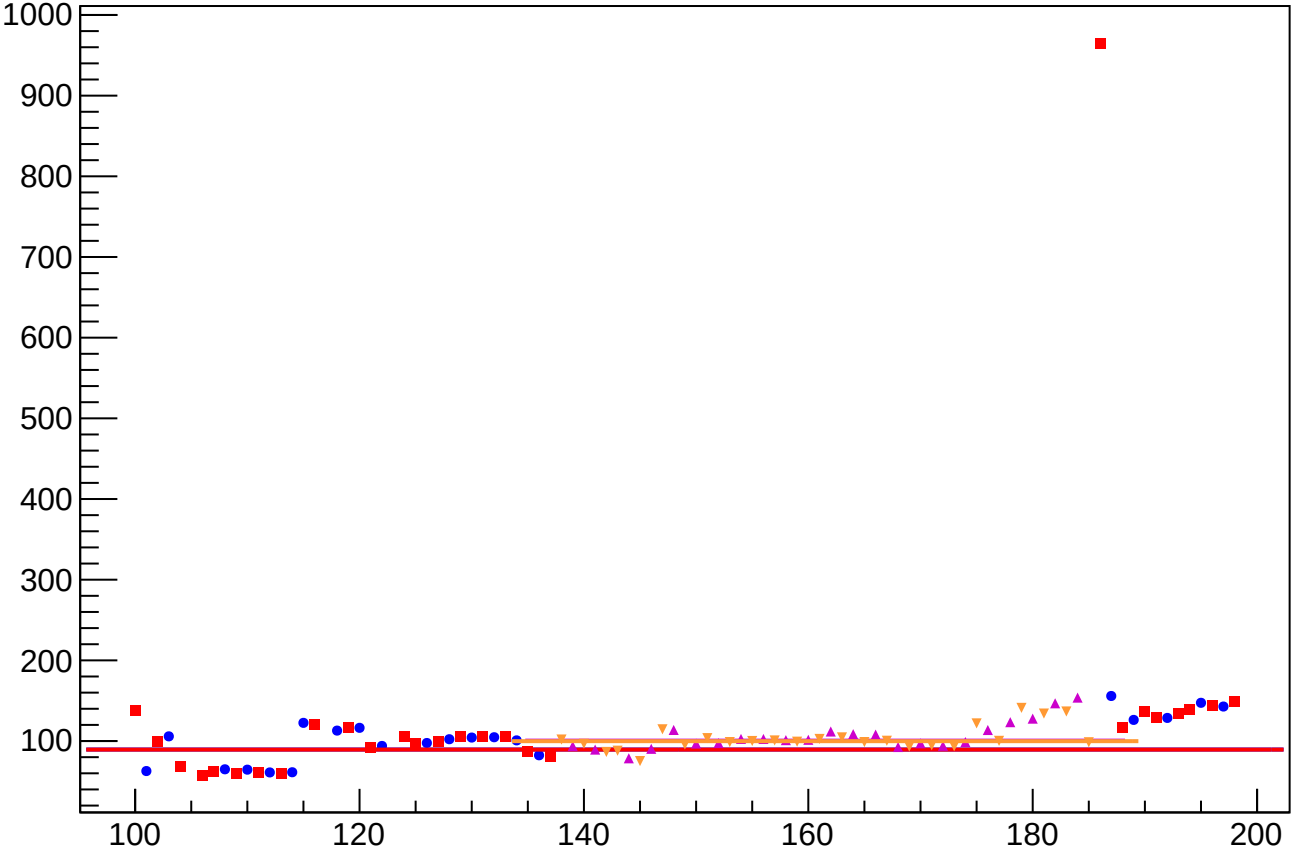
Right: 23.794+/-19.647 χ^2/NDF: 46.1/47

In: 19.274+/-18.329 χ^2/NDF:48.0/43

Out: 53.601+/-17.452 χ^2/NDF:57.1/51

All: 37.278+/-12.639 χ^2/NDF: 107.0/95

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 89.480+/-0.020 χ^2/NDF: 1761273.0/20

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 89.377+/-0.019 χ^2/NDF: 3016015.8/26

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

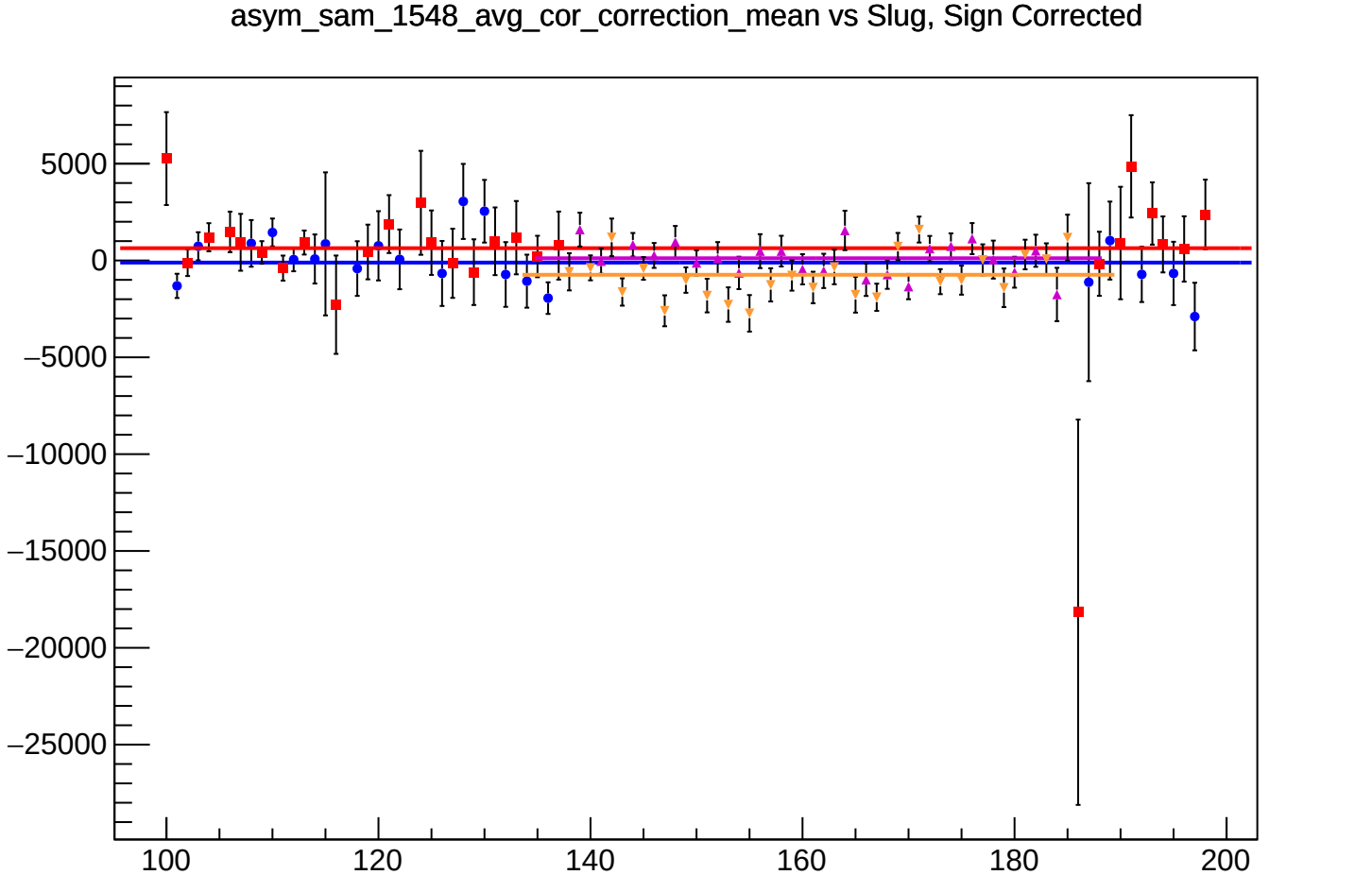
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 89.425+/-0.014 χ^2/NDF: 4777302.5/47

In: 96.038+/-0.013 χ^2/NDF:2592241.7/43

Out: 95.423+/-0.012 χ^2/NDF:3889094.2/51

All: 95.715+/-0.009 χ^2/NDF: 6482516.2/95



Right In: -108.476+/-245.309 χ^2/NDF: 25.2/20

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 635.107+/-225.178 χ^2/NDF: 21.5/26

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

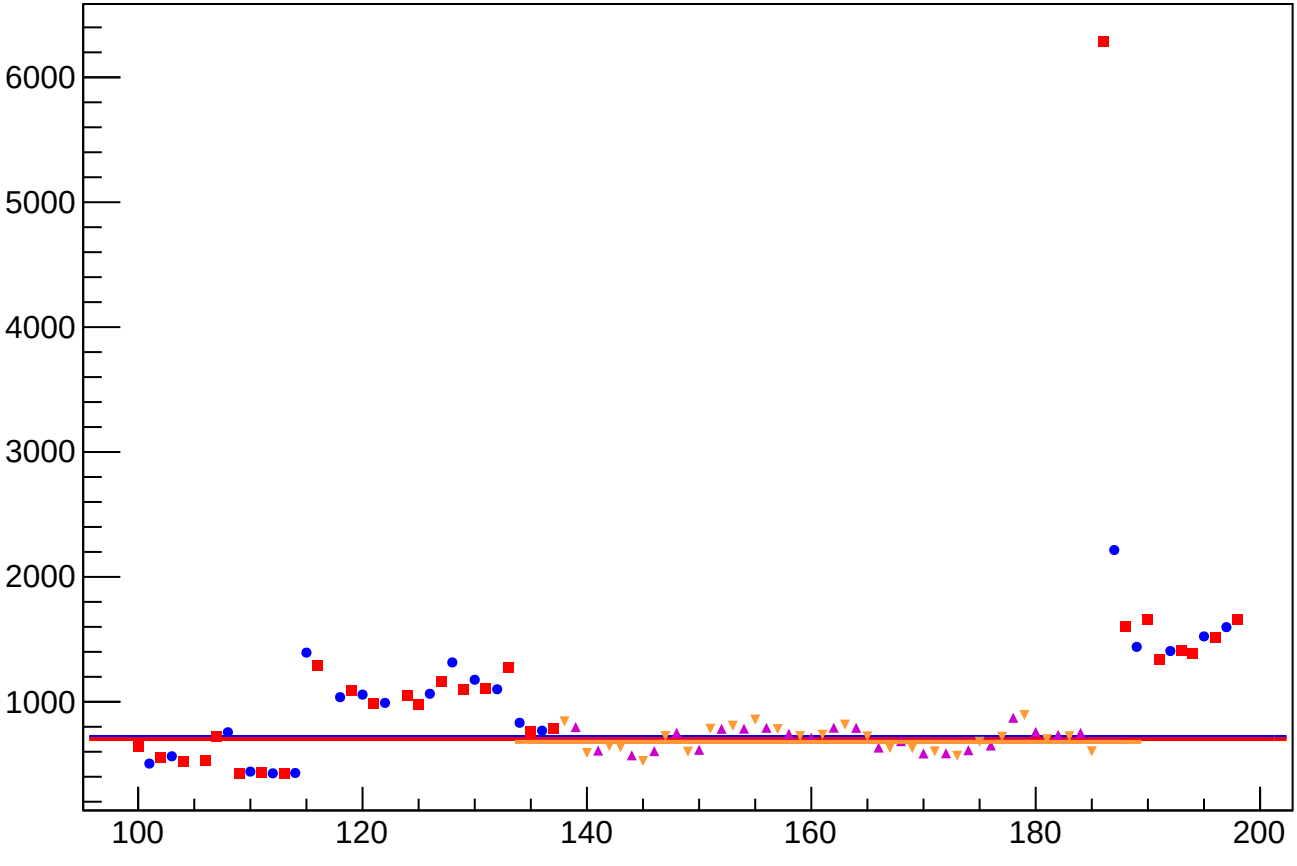
Right: 295.073+/-165.886 χ^2/NDF: 51.7/47

In: 48.172+/-134.594 χ^2/NDF:49.5/43

Out: -291.737+/-128.406 χ^2/NDF:96.3/51

All: -129.776+/-92.907 χ^2/NDF: 149.1/95

asym_sam_1548_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 718.314+/-0.173 χ^2/NDF: 3939740.2/20

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 701.935+/-0.159 χ^2/NDF: 5859184.9/26

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

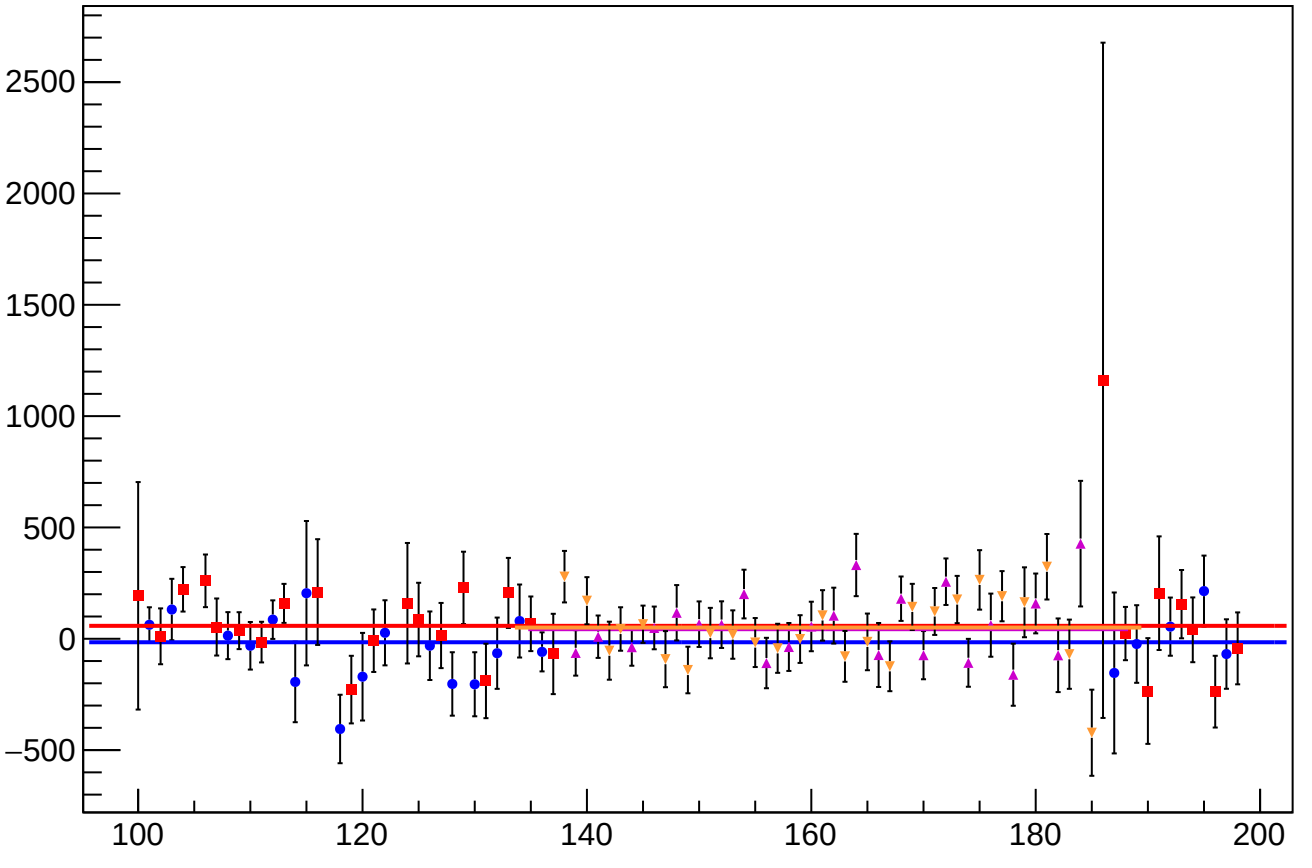
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 709.425+/-0.117 χ^2/NDF: 9803763.8/47

In: 692.857+/-0.095 χ^2/NDF:4544368.2/43

Out: 686.557+/-0.091 χ^2/NDF:6610427.0/51

All: 689.559+/-0.066 χ^2/NDF: 11157089.6/95



Right In: -15.651+/-28.809 χ^2/NDF: 18.9/20

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 58.090+/-26.863 χ^2/NDF: 23.6/26

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

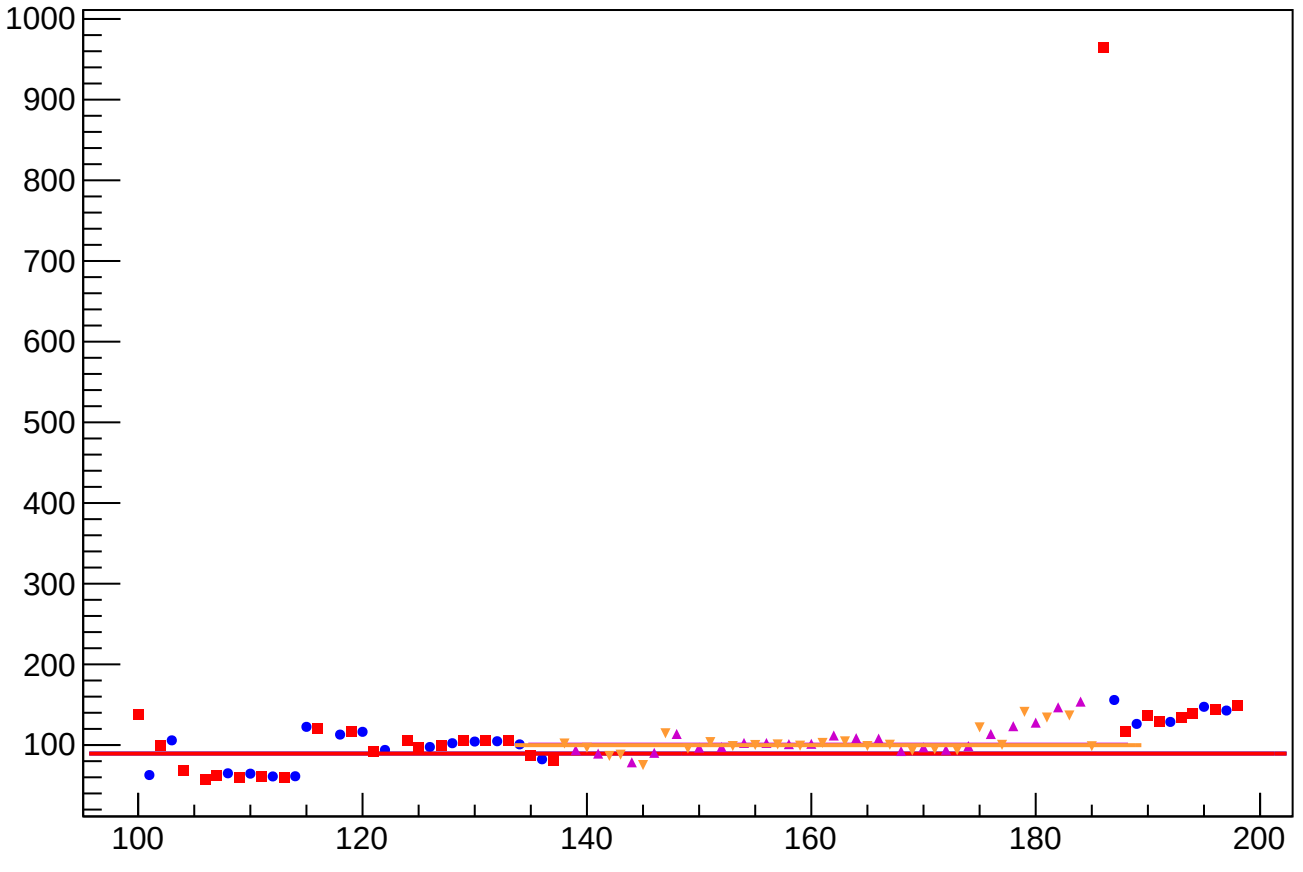
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: 23.794+/-19.647 χ^2/NDF: 46.1/47

In: 19.274+/-18.329 χ^2/NDF:48.0/43

Out: 53.601+/-17.452 χ^2/NDF:57.1/51

All: 37.278+/-12.639 χ^2/NDF: 107.0/95



Right In: 89.480+/-0.020 χ^2/NDF: 1761273.0/20

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 89.377+/-0.019 χ^2/NDF: 3016015.8/26

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

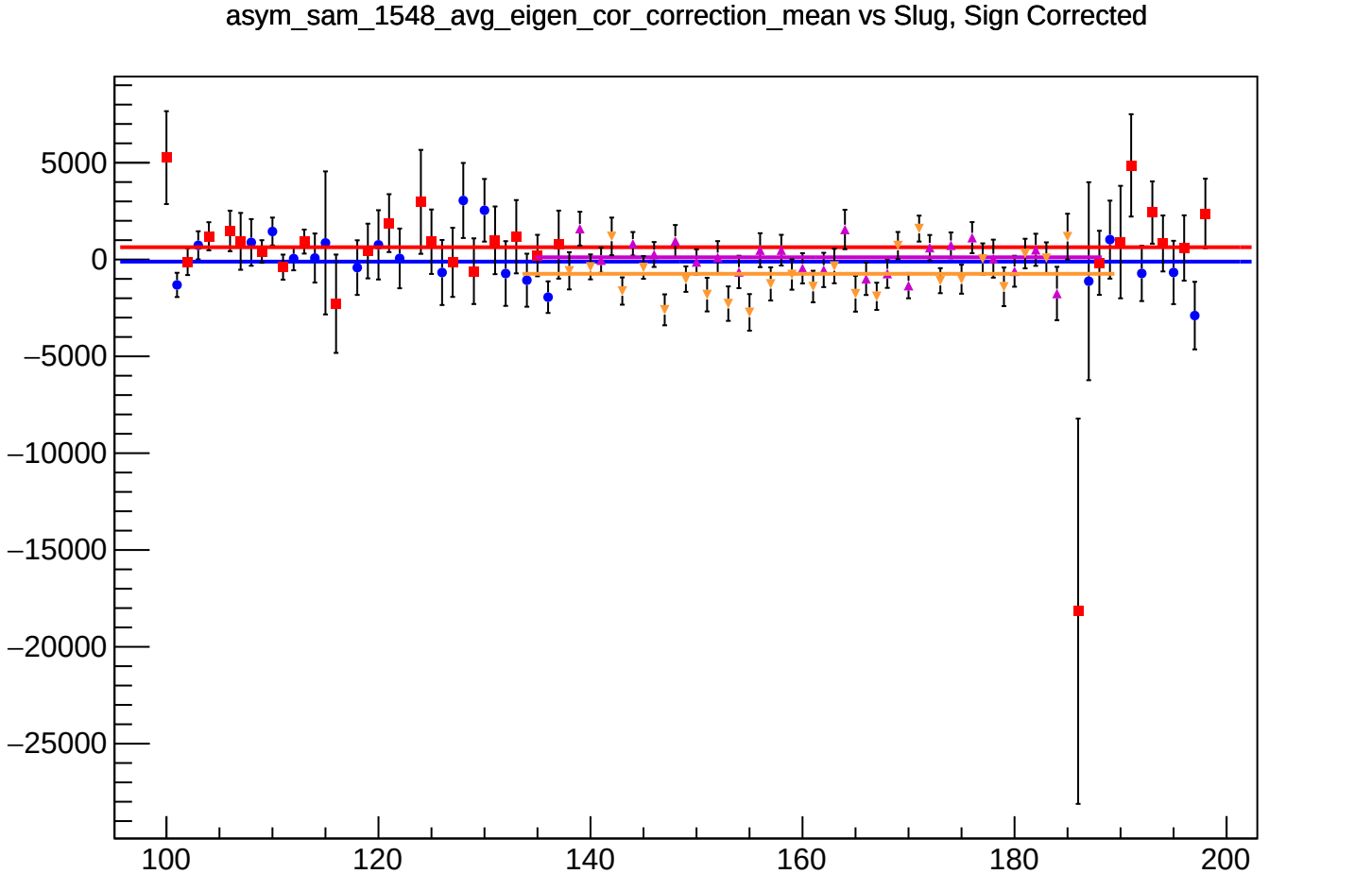
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 89.425+/-0.014 χ^2/NDF: 4777302.5/47

In: 96.038+/-0.013 χ^2/NDF:2592241.7/43

Out: 95.423+/-0.012 χ^2/NDF:3889094.2/51

All: 95.715+/-0.009 χ^2/NDF: 6482516.2/95



Right In: -108.476+/-245.309 χ^2/NDF: 25.2/20

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 635.107+/-225.178 χ^2/NDF: 21.5/26

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

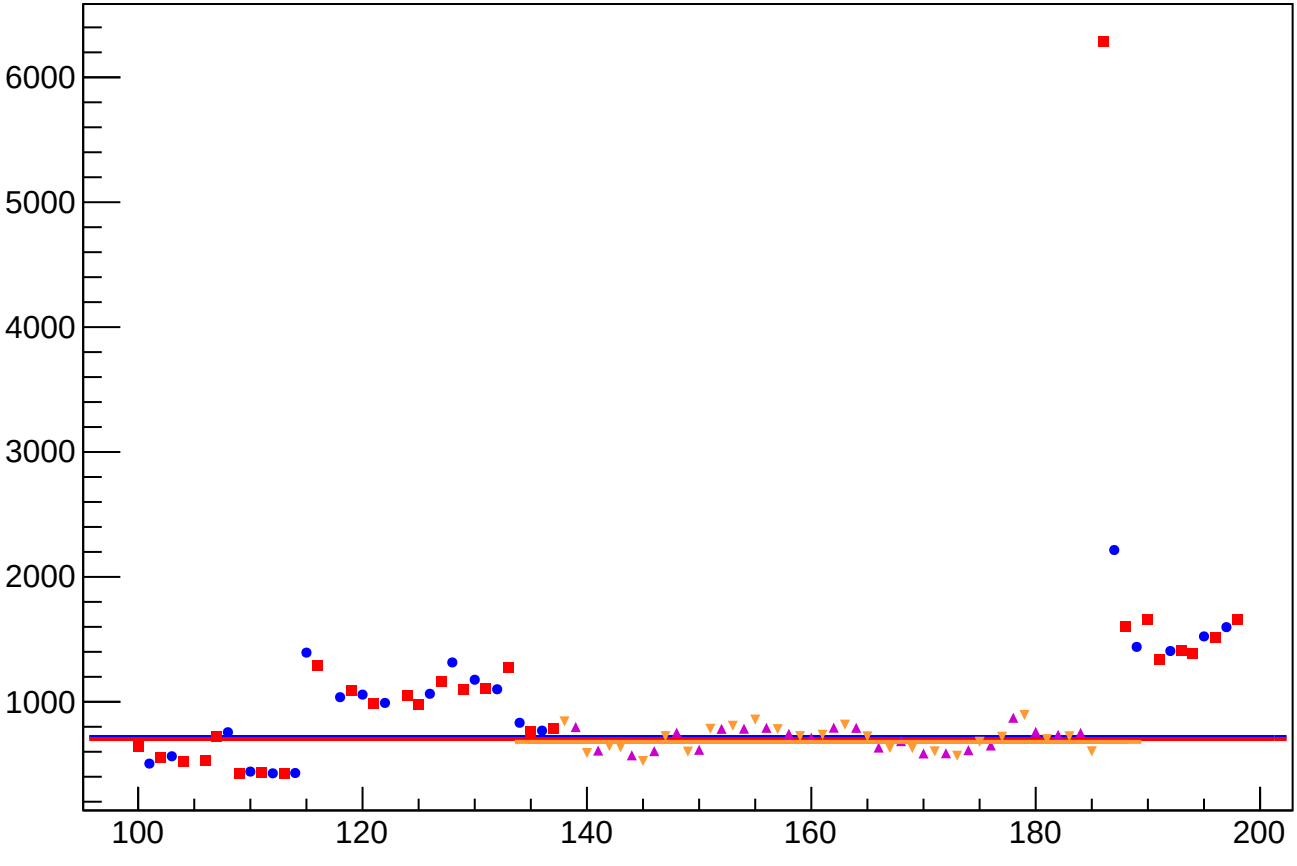
Right: 295.073+/-165.886 χ^2/NDF: 51.7/47

In: 48.172+/-134.594 χ^2/NDF:49.5/43

Out: -291.737+/-128.406 χ^2/NDF:96.3/51

All: -129.776+/-92.907 χ^2/NDF: 149.1/95

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 718.314+/-0.173 χ^2/NDF: 3939740.2/20

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 701.935+/-0.159 χ^2/NDF: 5859184.9/26

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

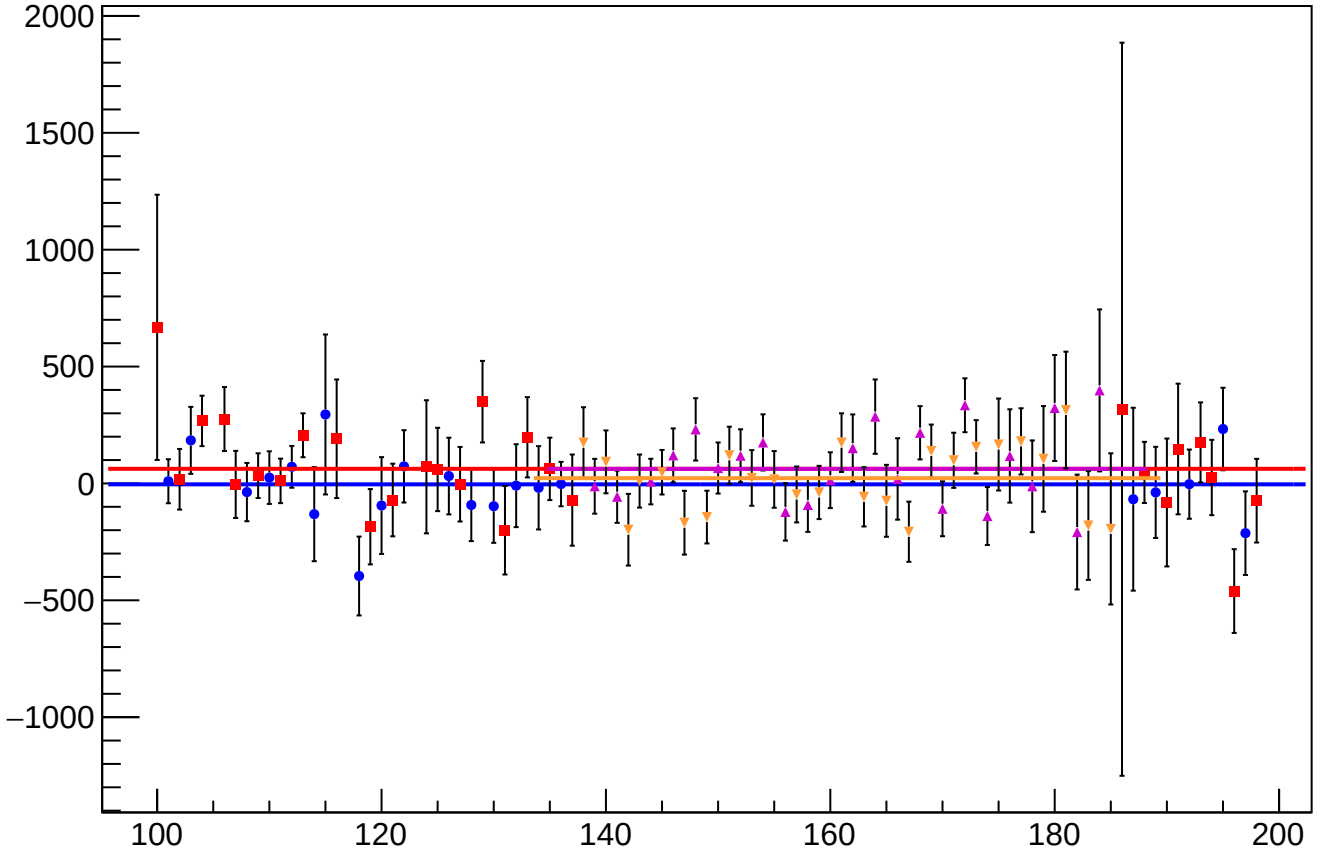
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 709.425+/-0.117 χ^2/NDF: 9803763.8/47

In: 692.857+/-0.095 χ^2/NDF:4544368.2/43

Out: 686.557+/-0.091 χ^2/NDF:6610427.0/51

All: 689.559+/-0.066 χ^2/NDF: 11157089.6/95



Right In: -3.890+/-31.636 χ^2/NDF: 13.6/20

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: 62.610+/-29.373 χ^2/NDF: 29.5/26

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

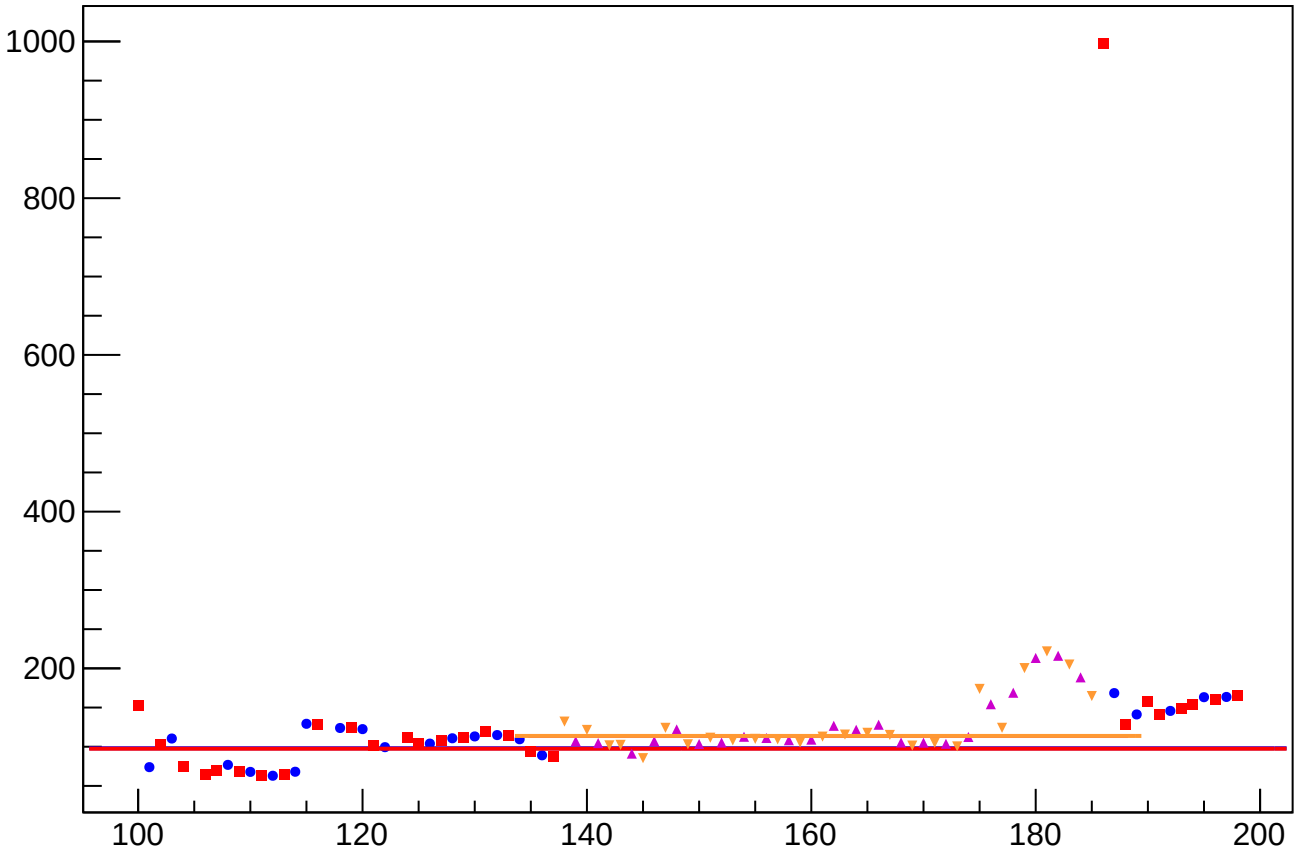
Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

Right: 31.824+/-21.525 χ^2/NDF: 45.4/47

In: 33.928+/-20.685 χ^2/NDF:43.4/43

Out: 40.628+/-19.734 χ^2/NDF:52.1/51

All: 37.436+/-14.279 χ^2/NDF: 95.5/95



Right In: 98.037+/-0.022 χ^2/NDF: 1781254.1/20

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 97.488+/-0.021 χ^2/NDF: 3038470.8/26

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

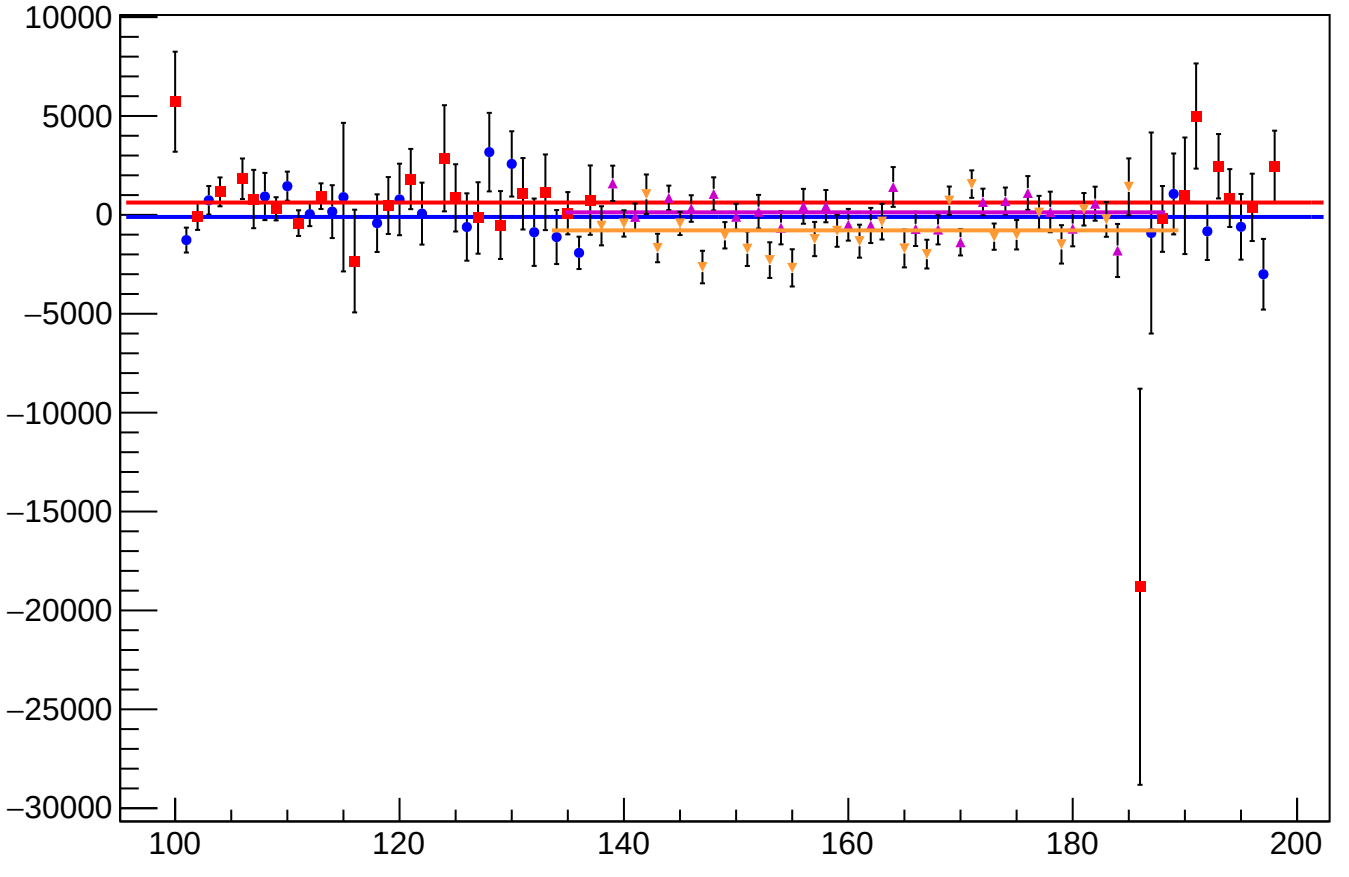
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 97.742+/-0.015 χ^2/NDF: 4820048.6/47

In: 106.990+/-0.015 χ^2/NDF:3377122.8/43

Out: 106.418+/-0.014 χ^2/NDF:4955387.2/51

All: 106.691+/-0.010 χ^2/NDF: 8333311.2/95



Right In: -105.537+/-247.768 χ^2/NDF: 25.0/20

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: 623.096+/-227.598 χ^2/NDF: 22.8/26

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

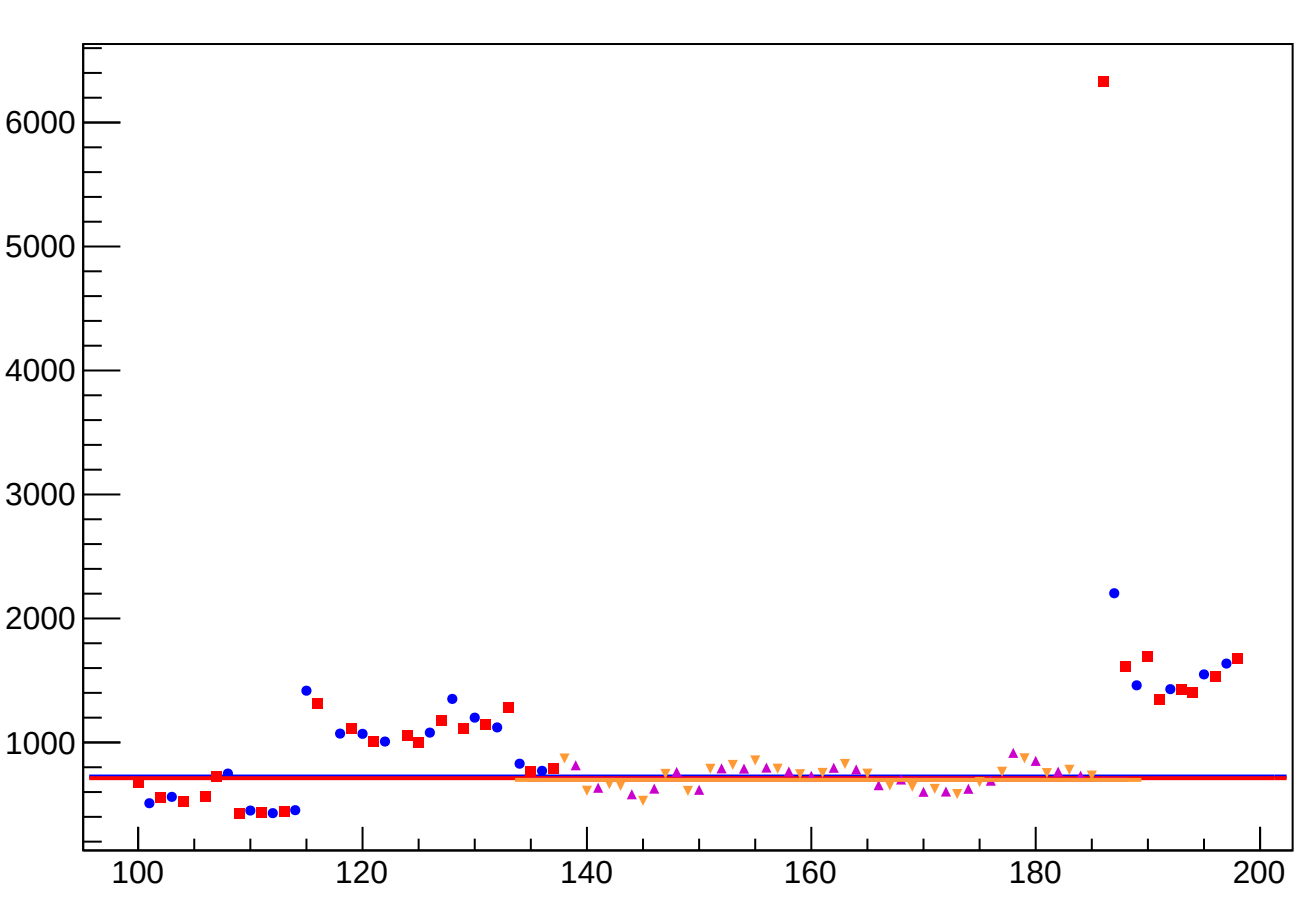
Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

Right: 289.639+/-167.614 χ^2/NDF: 52.5/47

In: 56.204+/-137.481 χ^2/NDF:48.3/43

Out: -316.926+/-131.156 χ^2/NDF:93.8/51

All: -139.141+/-94.899 χ^2/NDF: 145.9/95



Right In: 725.143+/-0.175 χ^2/NDF: 3978087.3/20

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 711.962+/-0.161 χ^2/NDF: 5837181.4/26

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

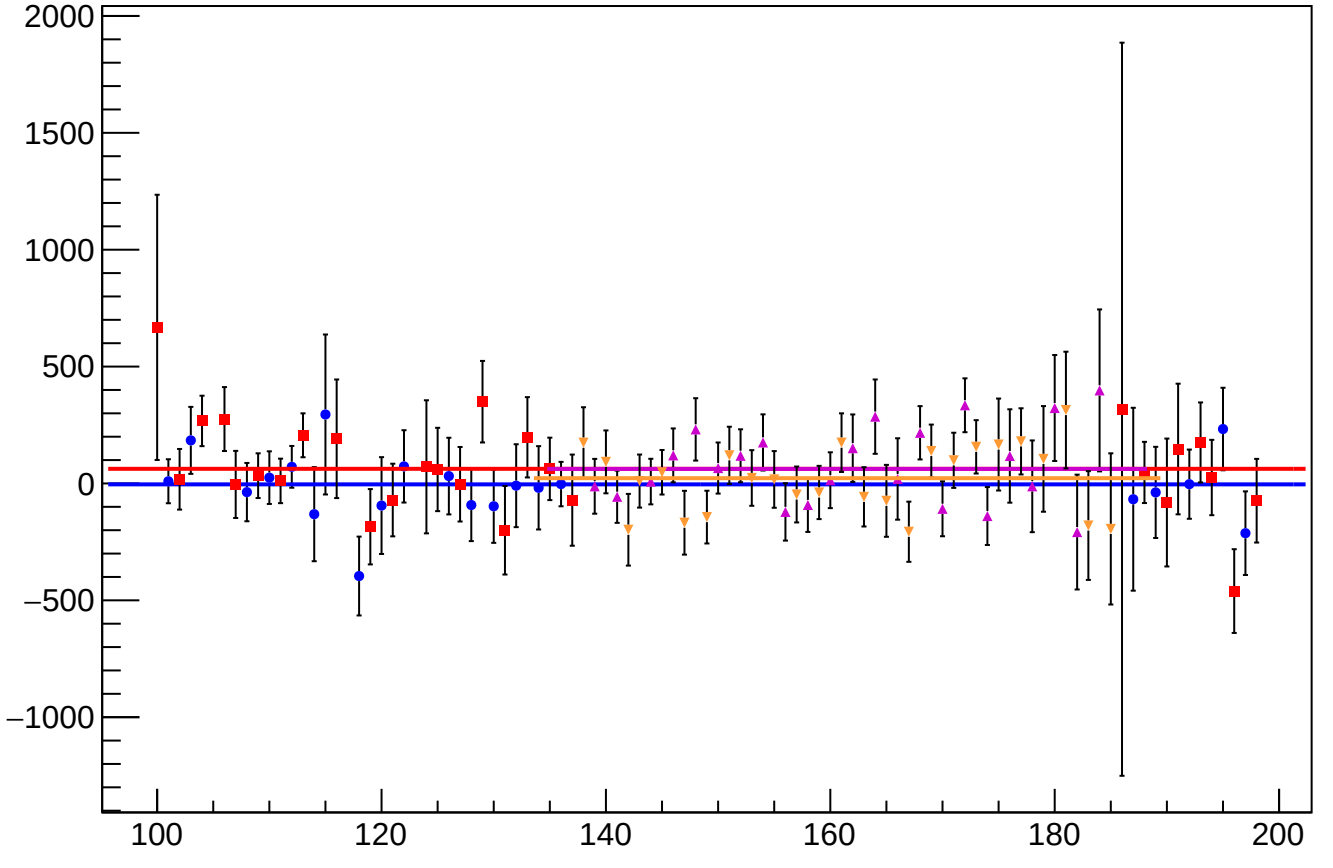
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

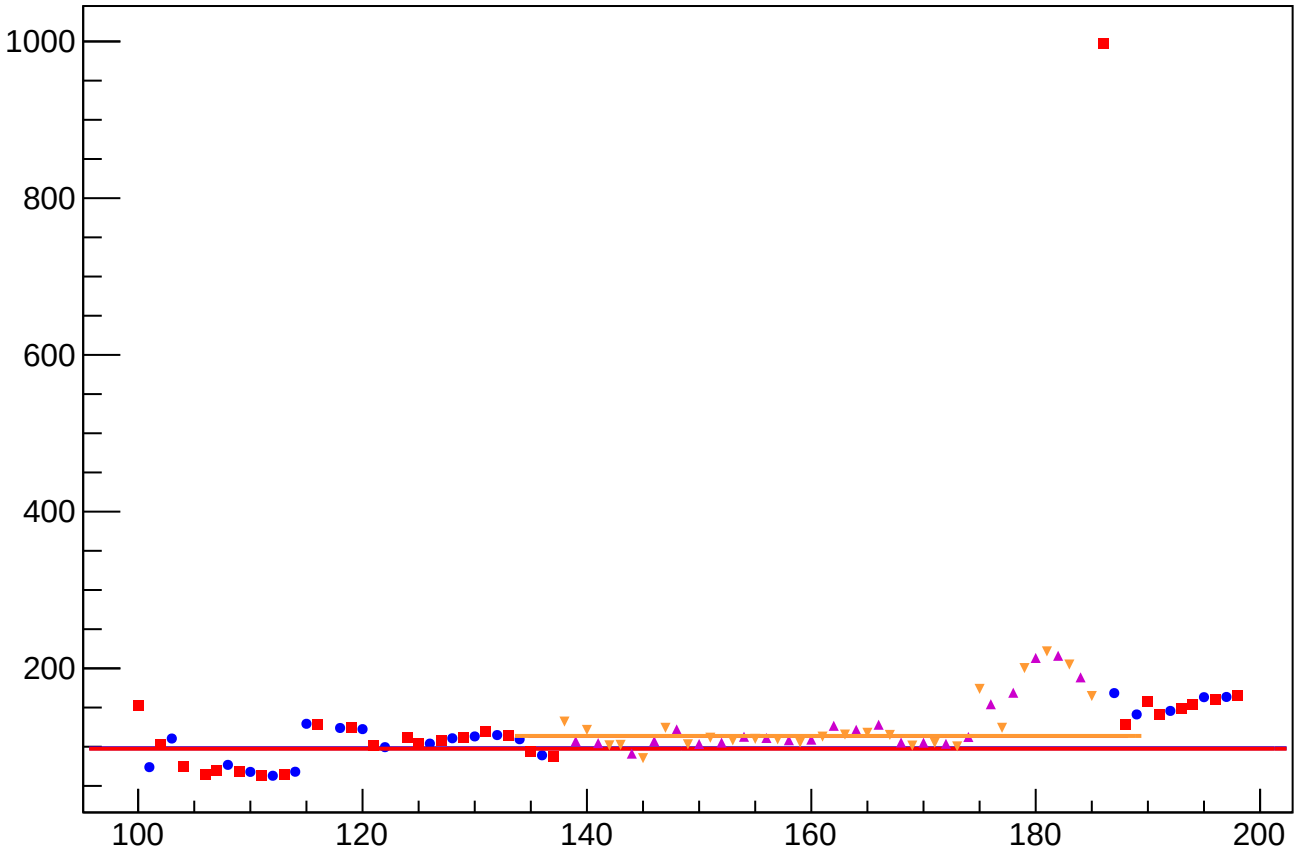
Right: 717.994+/-0.119 χ^2/NDF: 9818338.5/47

In: 707.796+/-0.097 χ^2/NDF:4576570.6/43

Out: 702.795+/-0.093 χ^2/NDF:6556726.2/51

All: 705.178+/-0.067 χ^2/NDF: 11134682.4/95


eigen_dit_asym_sam_1548_avg_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: -3.889+/-31.636 χ²/NDF: 13.6/20
Left Out: 22.544+/-26.643 χ²/NDF:21.6/24
Right Out: 62.610+/-29.373 χ²/NDF: 29.5/26
Left In: 62.169+/-27.339 χ²/NDF:27.3/22
Left: 41.846+/-19.081 χ²/NDF: 50.0/47
Right: 31.824+/-21.525 χ²/NDF: 45.4/47
In: 33.928+/-20.685 χ²/NDF:43.4/43
Out: 40.629+/-19.734 χ²/NDF:52.1/51
All: 37.436+/-14.279 χ²/NDF: 95.5/95



Right In: 98.037+/-0.022 χ^2/NDF: 1781247.9/20

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

Right Out: 97.488+/-0.021 χ^2/NDF: 3038470.1/26

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

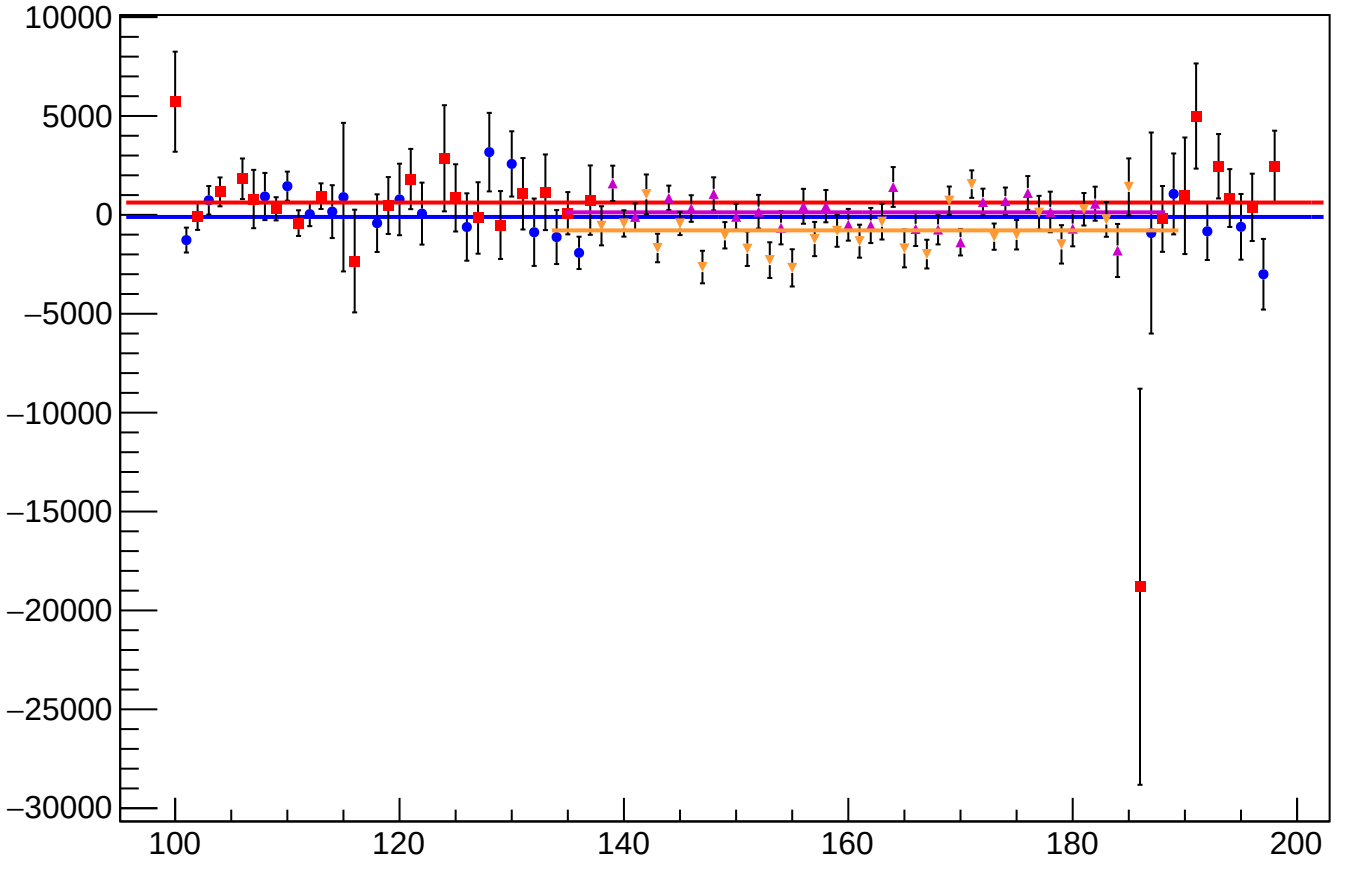
Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

Right: 97.742+/-0.015 χ^2/NDF: 4820041.7/47

In: 106.991+/-0.015 χ^2/NDF:3377102.4/43

Out: 106.418+/-0.014 χ^2/NDF:4955383.6/51

All: 106.691+/-0.010 χ^2/NDF: 8333287.2/95



Right In: -105.536+/-247.767 χ^2/NDF: 25.0/20

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: 623.095+/-227.598 χ^2/NDF: 22.8/26

Left In: 128.154+/-165.255 χ^2/NDF:22.7/22

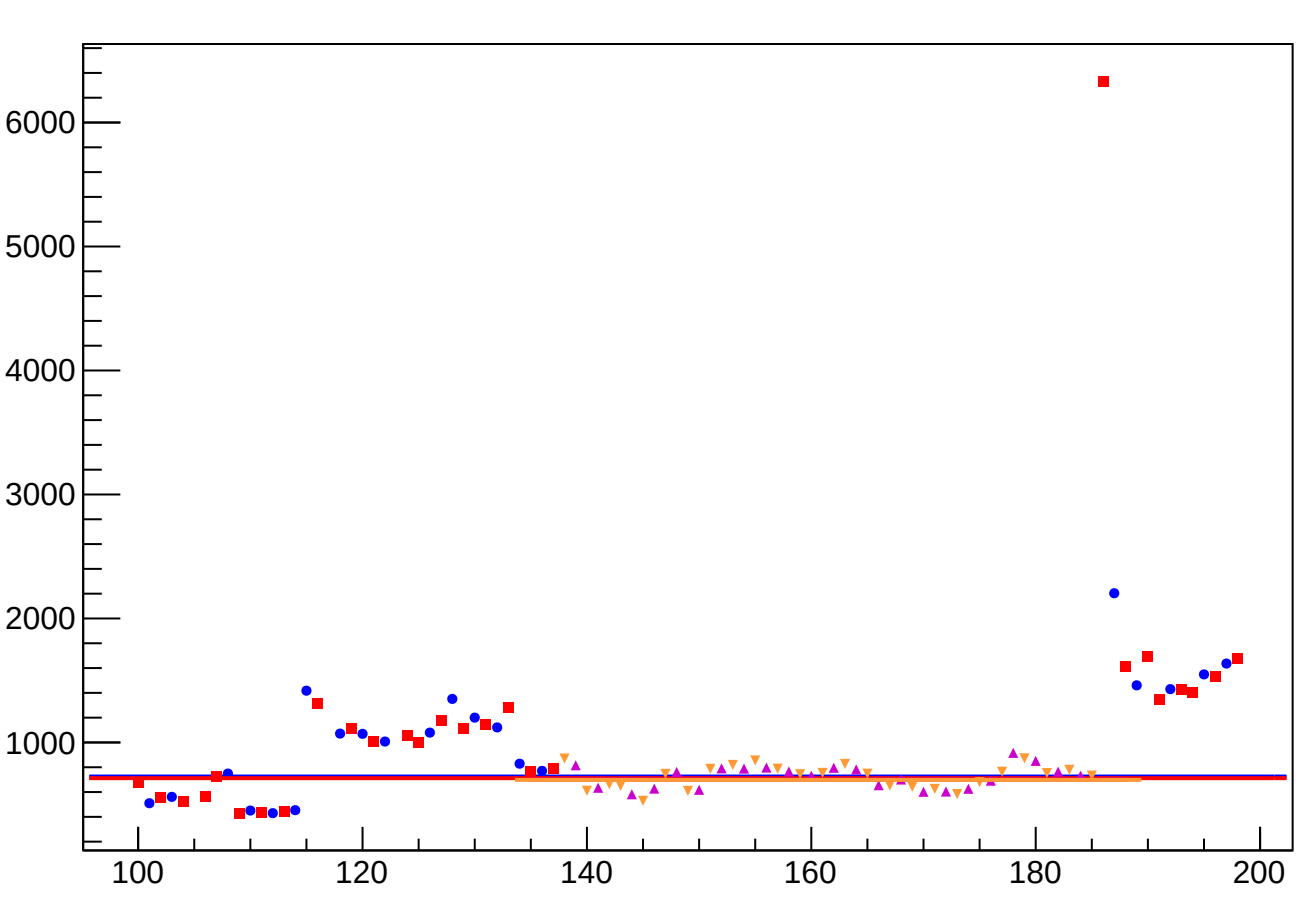
Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

Right: 289.639+/-167.614 χ^2/NDF: 52.5/47

In: 56.203+/-137.481 χ^2/NDF:48.3/43

Out: -316.925+/-131.156 χ^2/NDF:93.8/51

All: -139.141+/-94.899 χ^2/NDF: 145.9/95



Right In: 725.142+/-0.175 χ^2/NDF: 3978090.6/20

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 711.961+/-0.161 χ^2/NDF: 5837179.0/26

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

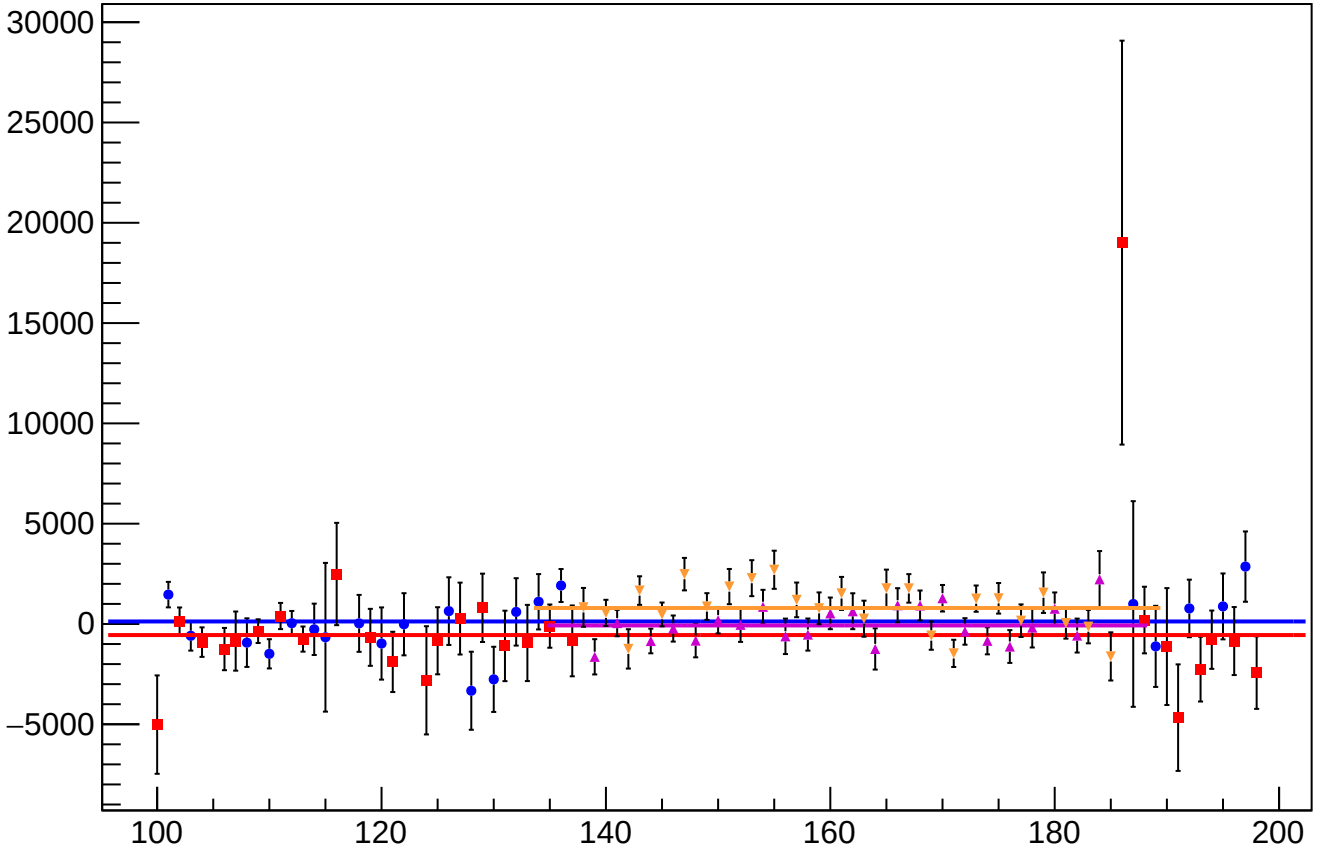
Right: 717.993+/-0.119 χ^2/NDF: 9818339.3/47

In: 707.795+/-0.097 χ^2/NDF:4576569.0/43

Out: 702.794+/-0.093 χ^2/NDF:6556722.1/51

All: 705.177+/-0.067 χ^2/NDF: 11134676.8/95

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 125.086+/-247.832 χ^2/NDF: 26.6/20

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: -552.507+/-227.368 χ^2/NDF: 20.1/26

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

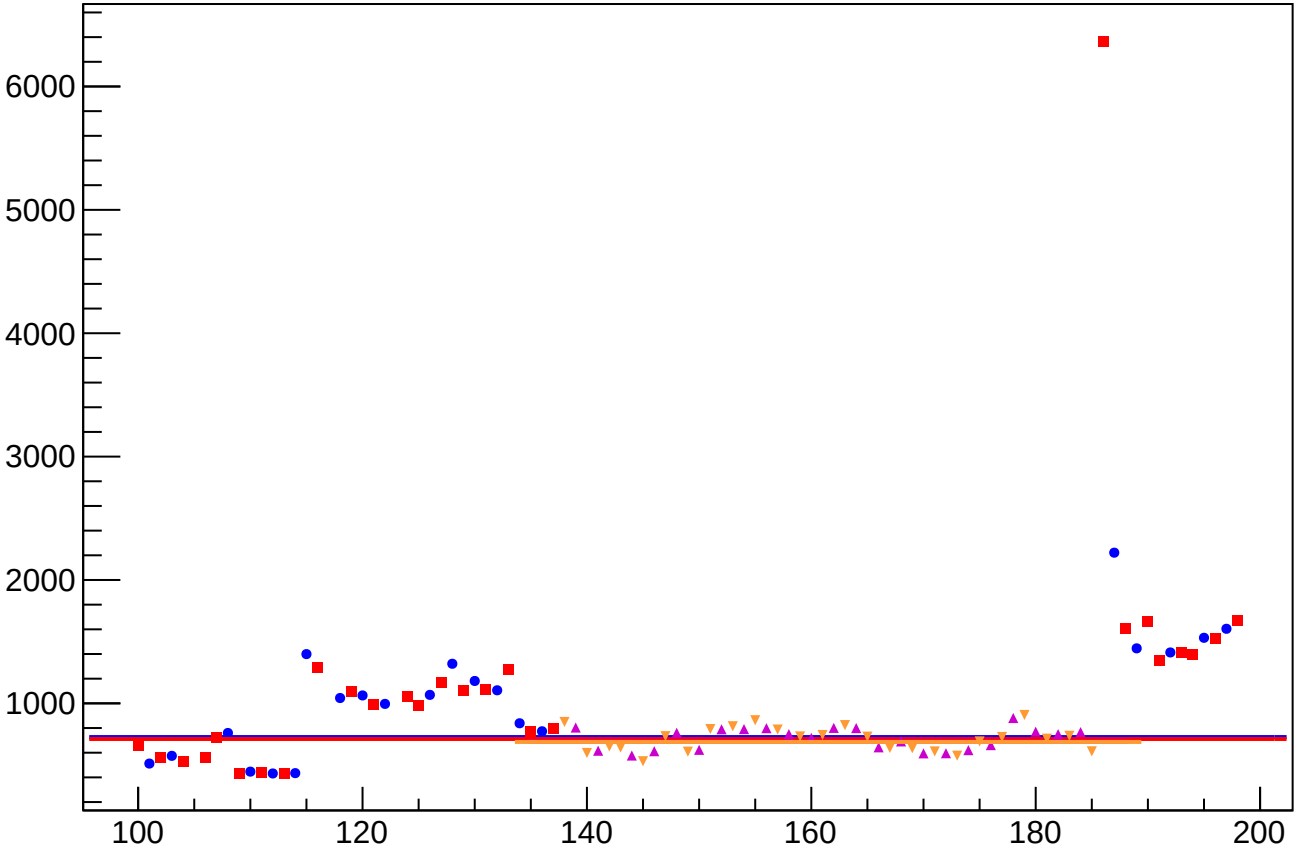
Right: -242.837+/-167.542 χ^2/NDF: 50.7/47

In: -13.598+/-136.115 χ^2/NDF:51.9/43

Out: 356.943+/-129.827 χ^2/NDF:90.2/51

All: 180.429+/-93.946 χ^2/NDF: 146.0/95

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 726.720+/-0.175 χ^2/NDF: 3886239.9/20

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

Right Out: 711.339+/-0.161 χ^2/NDF: 5781439.8/26

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

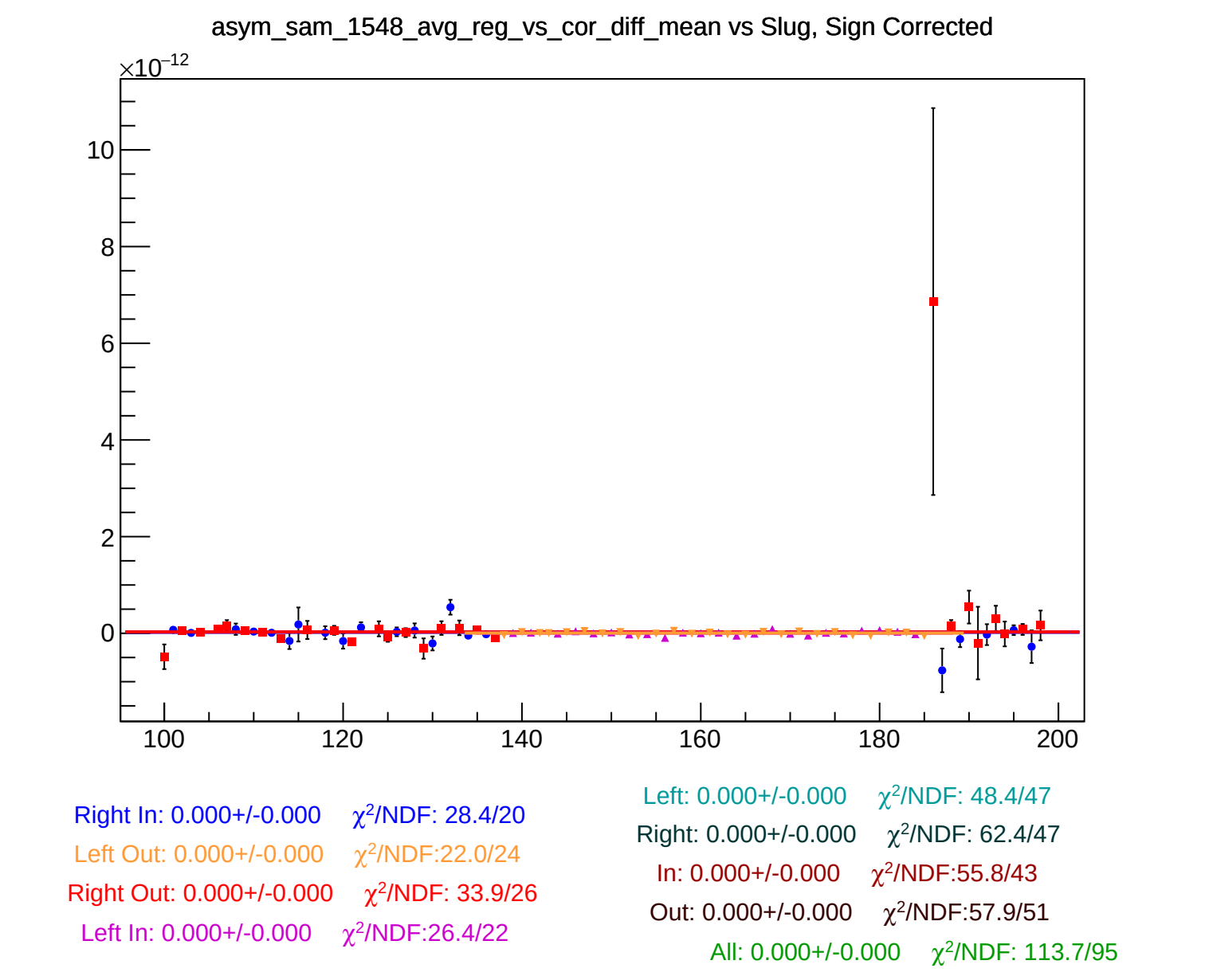
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

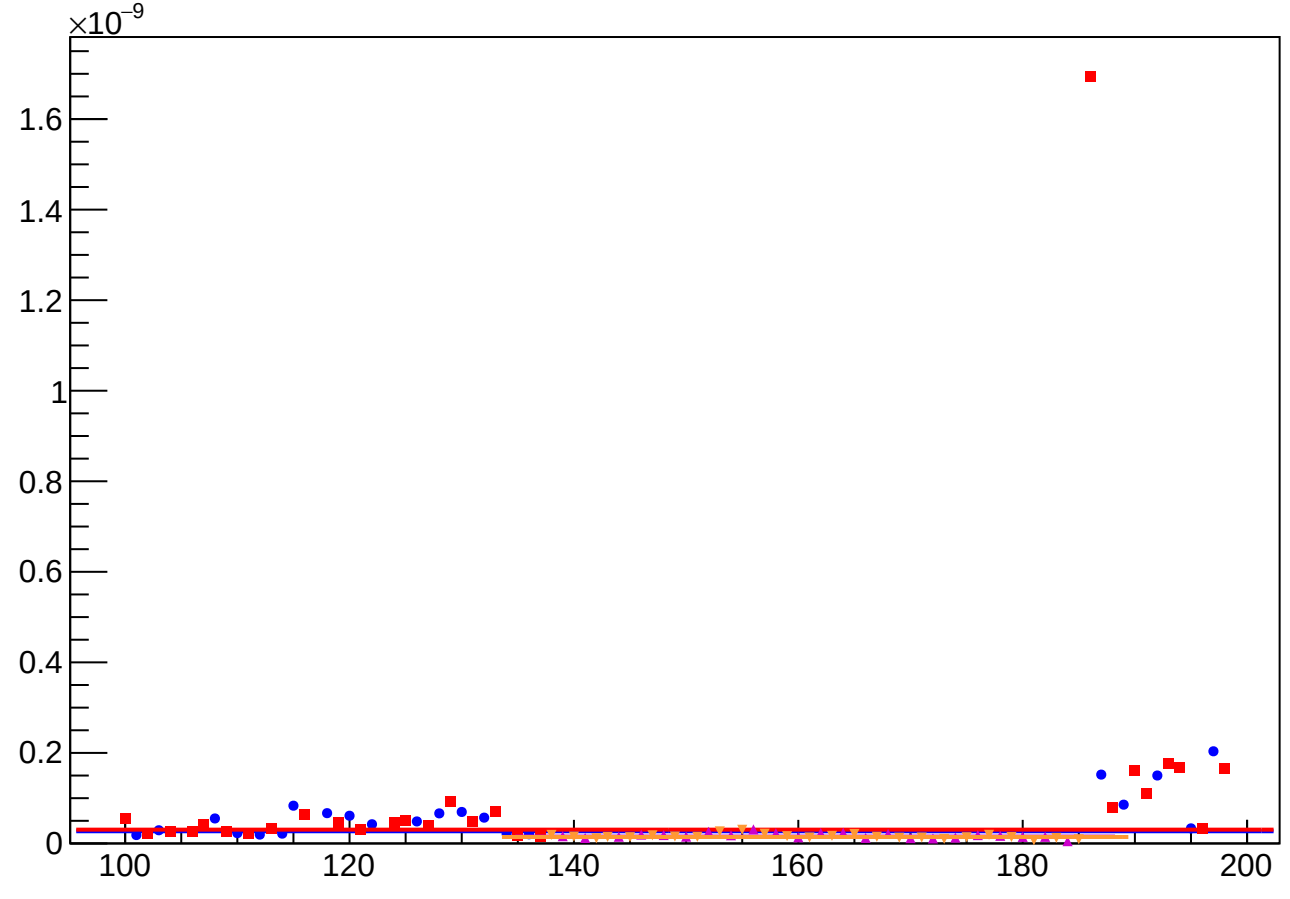
Right: 718.368+/-0.118 χ^2/NDF: 9671862.4/47

In: 701.074+/-0.096 χ^2/NDF:4483995.5/43

Out: 695.099+/-0.092 χ^2/NDF:6524573.0/51

All: 697.945+/-0.066 χ^2/NDF: 11010586.5/95


asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 28.4/20
Left Out: 0.000+/-0.000 χ²/NDF:22.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 33.9/26
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: 62.4/47
In: 0.000+/-0.000 χ²/NDF:55.8/43
Out: 0.000+/-0.000 χ²/NDF:57.9/51
All: 0.000+/-0.000 χ²/NDF: 113.7/95



Right In: 0.000+/-0.000 χ^2/NDF: 2942603.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3645936.5/26

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

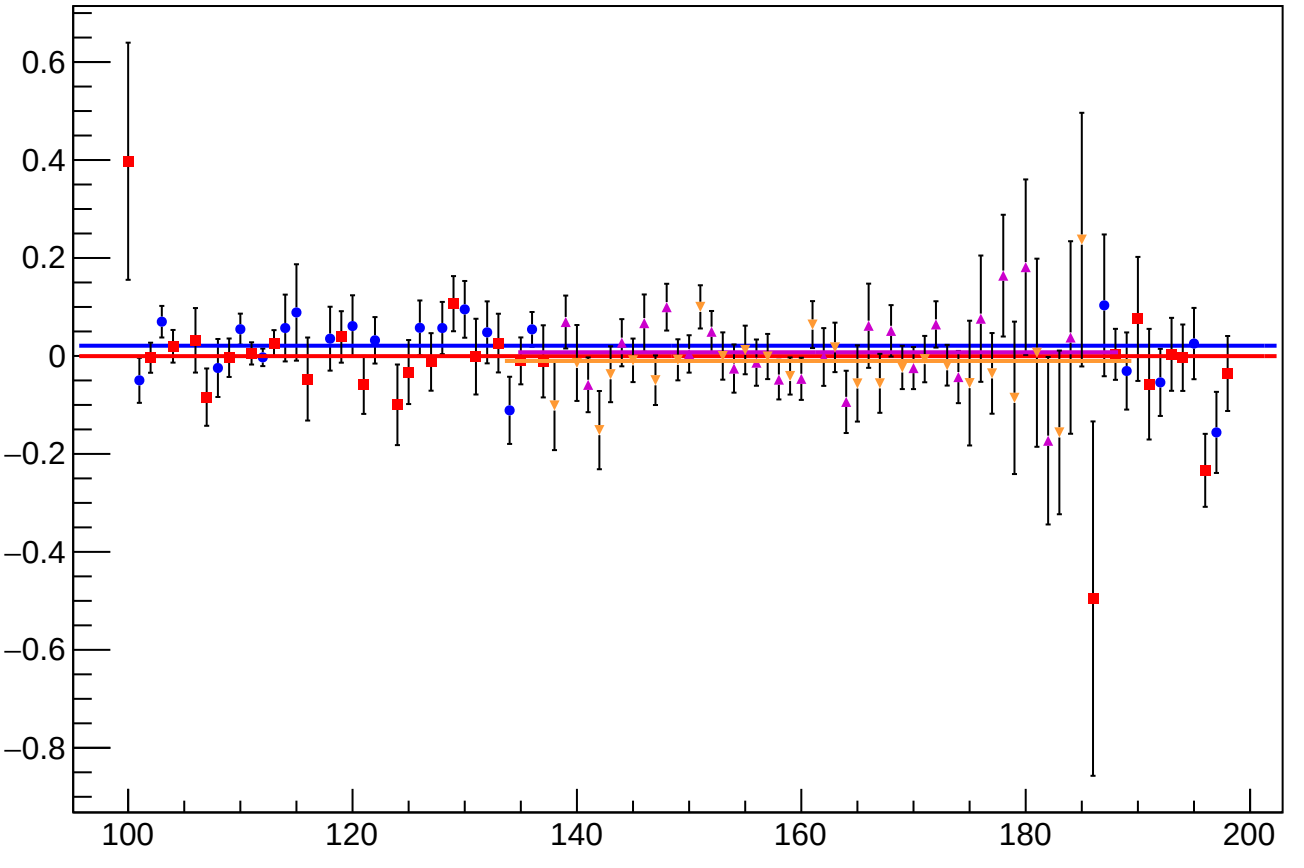
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 6641600.1/47

In: 0.000+/-0.000 χ^2/NDF:5117112.1/43

Out: 0.000+/-0.000 χ^2/NDF:6484870.1/51

All: 0.000+/-0.000 χ^2/NDF: 11621952.6/95



Right In: 0.021+/-0.010 χ^2/NDF: 23.2/20

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.010 χ^2/NDF: 26.4/26

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

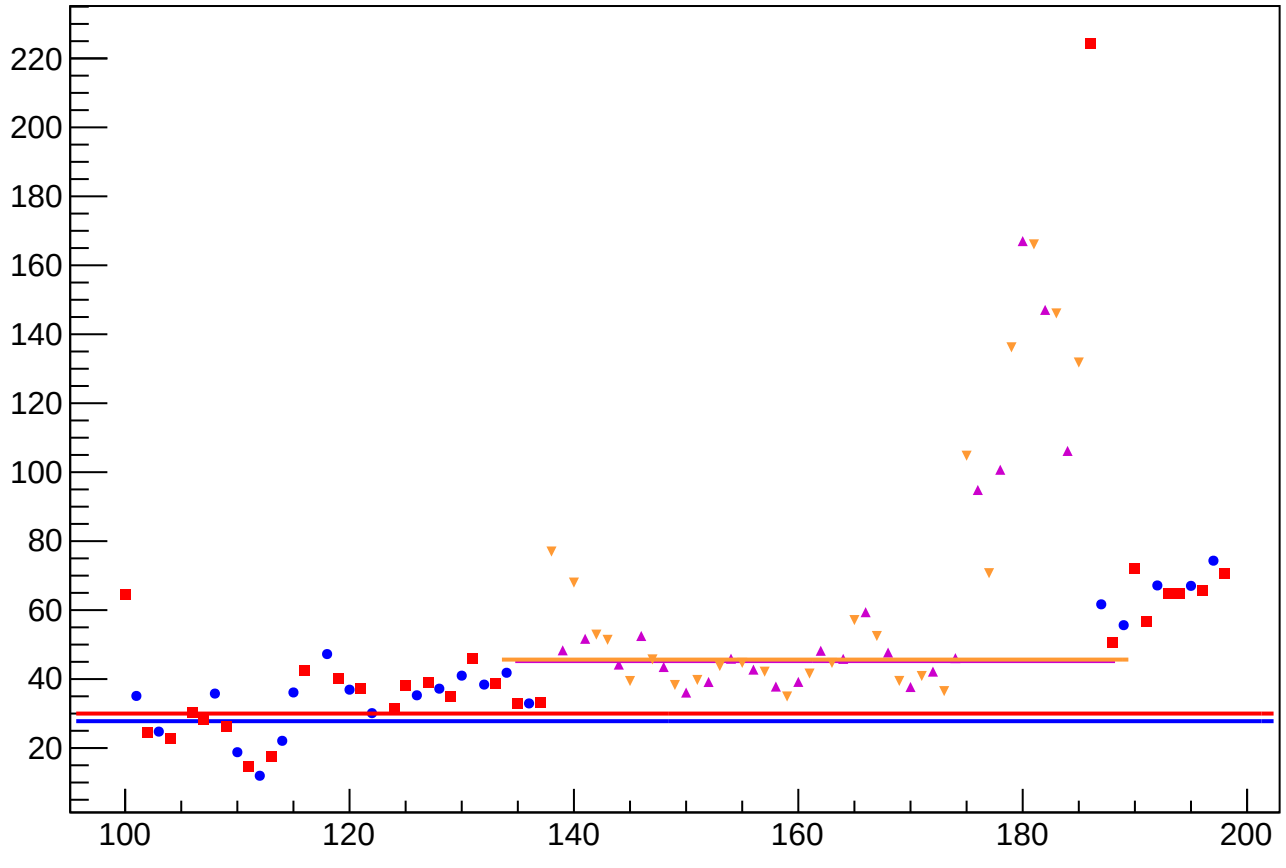
Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

Right: 0.010+/-0.007 χ^2/NDF: 52.0/47

In: 0.015+/-0.008 χ^2/NDF:47.3/43

Out: -0.005+/-0.007 χ^2/NDF:44.9/51

All: 0.005+/-0.005 χ^2/NDF: 95.7/95



Right In: 27.790+/-0.007 χ^2/NDF: 4705176.9/20

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 29.997+/-0.007 χ^2/NDF: 5184012.1/26

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

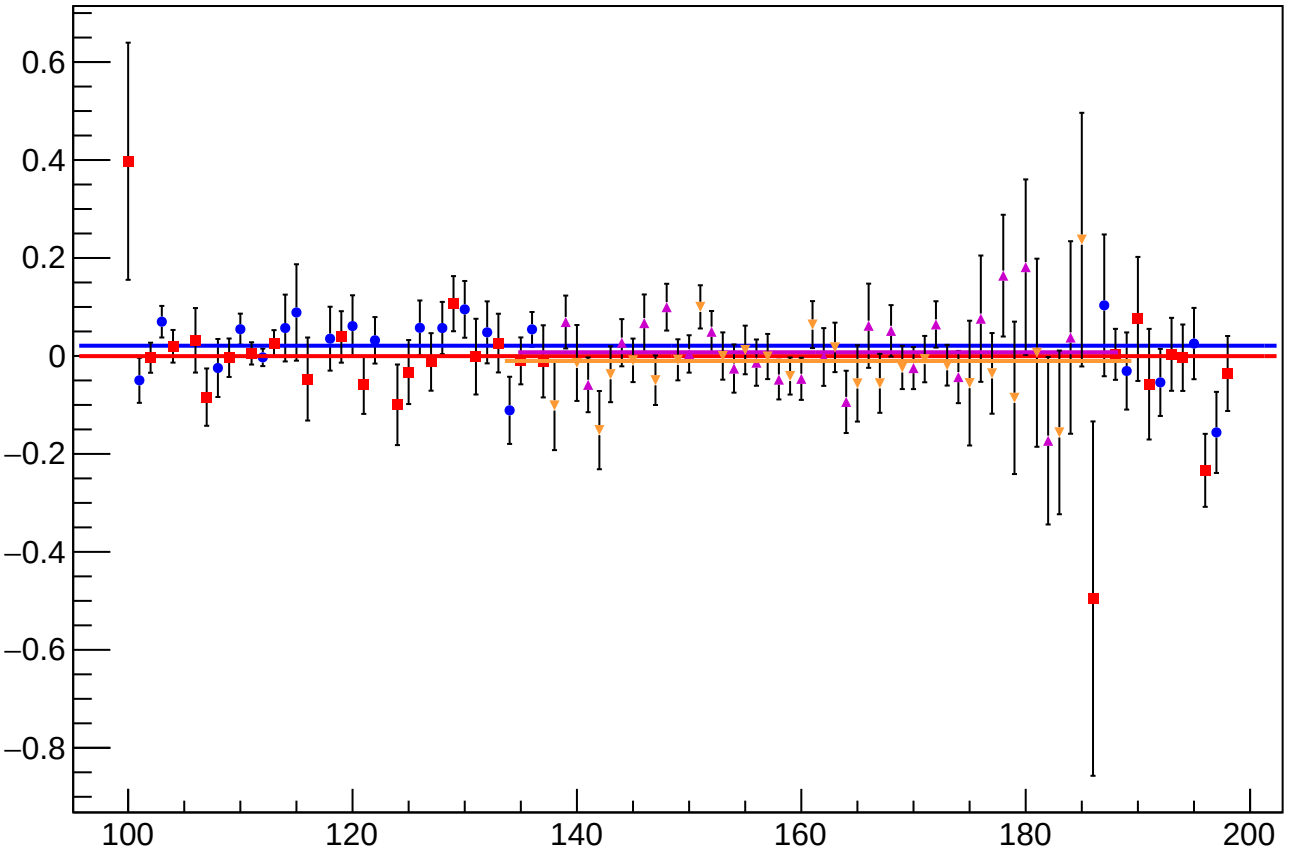
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 28.922+/-0.005 χ^2/NDF: 9939552.6/47

In: 35.322+/-0.005 χ^2/NDF:10344052.7/43

Out: 36.663+/-0.005 χ^2/NDF:11412296.2/51

All: 36.006+/-0.004 χ^2/NDF: 21788906.8/95



Right In: 0.021+/-0.010 χ^2/NDF: 23.2/20

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.010 χ^2/NDF: 26.4/26

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

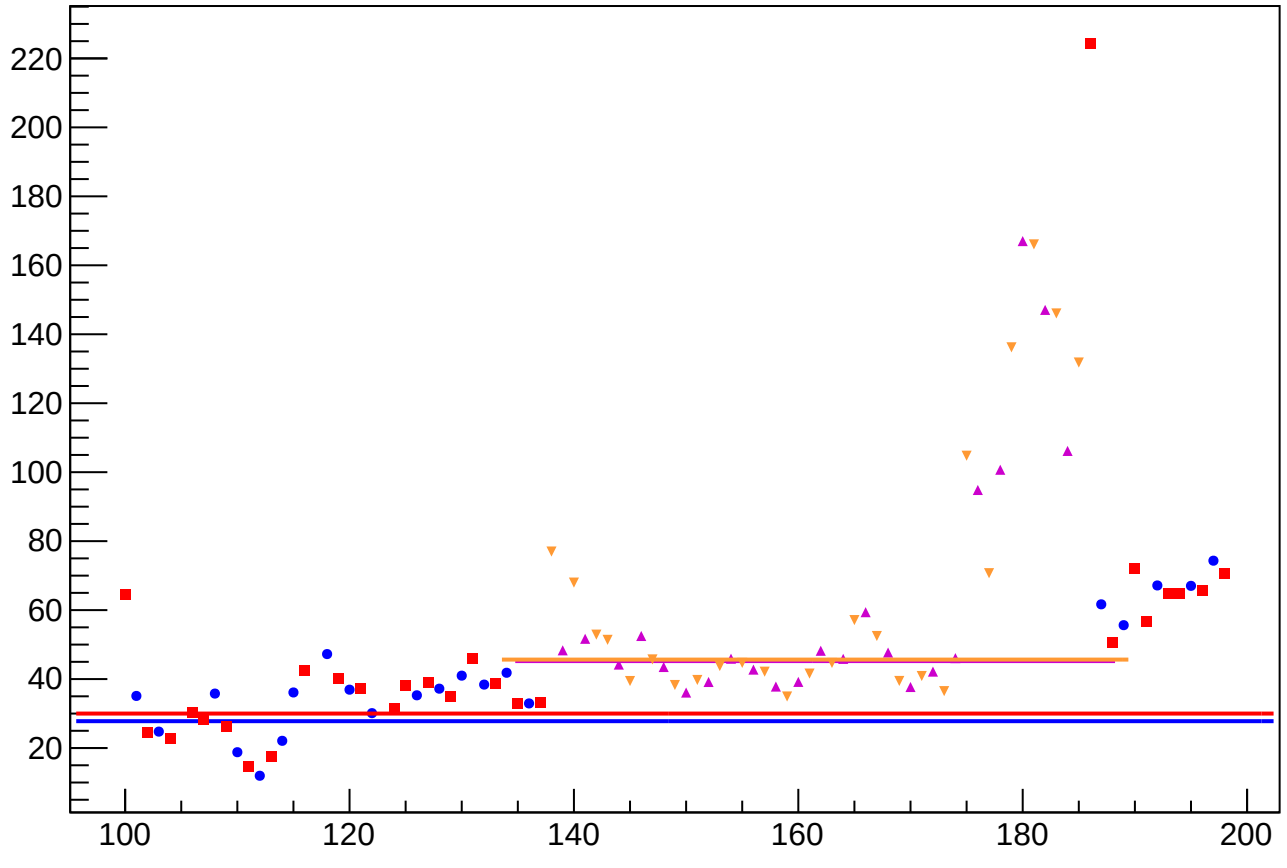
Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

Right: 0.010+/-0.007 χ^2/NDF: 52.0/47

In: 0.015+/-0.008 χ^2/NDF:47.3/43

Out: -0.005+/-0.007 χ^2/NDF:44.9/51

All: 0.005+/-0.005 χ^2/NDF: 95.7/95



Right In: 27.790+/-0.007 χ^2/NDF: 4705176.9/20

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 29.997+/-0.007 χ^2/NDF: 5184012.1/26

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

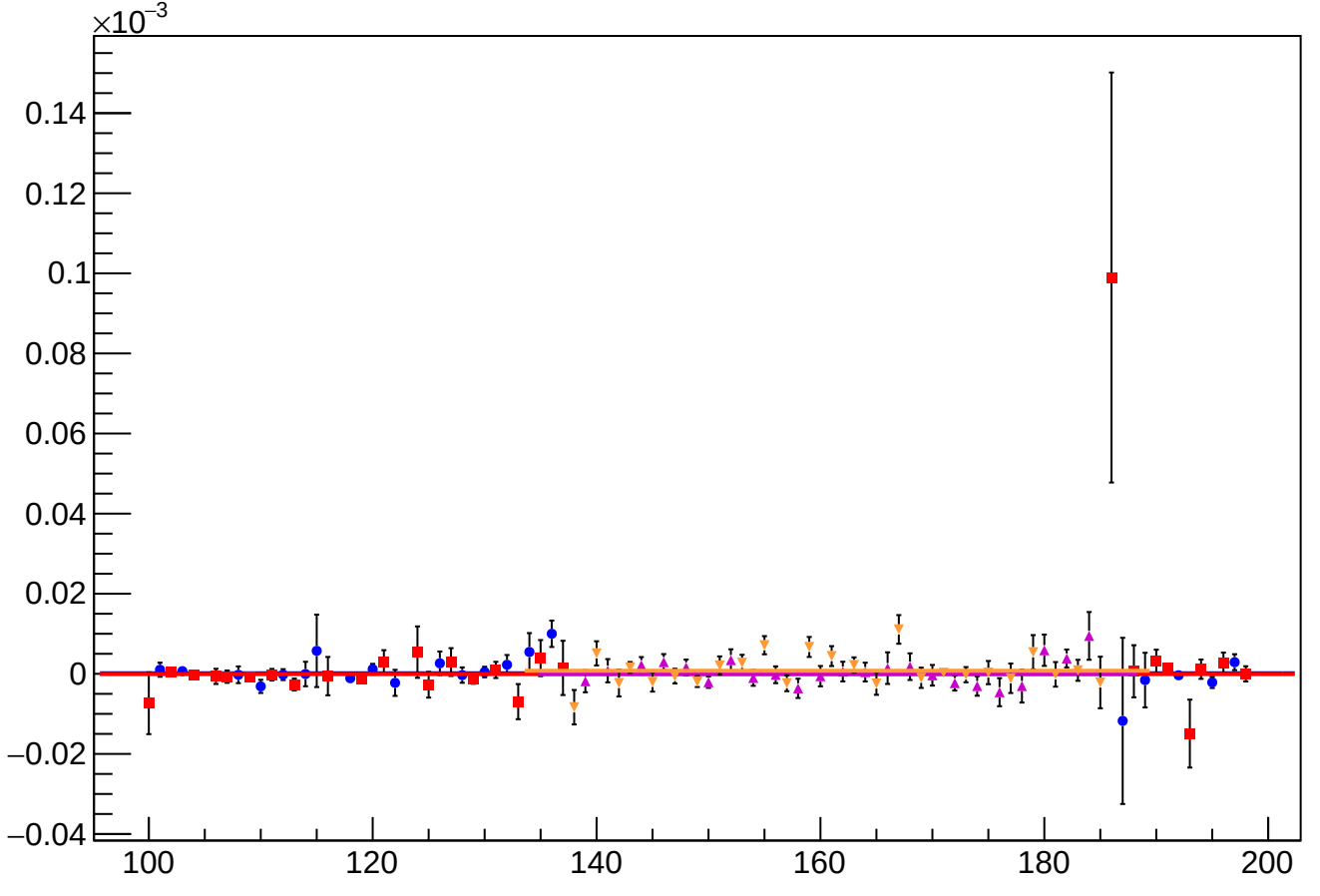
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 28.922+/-0.005 χ^2/NDF: 9939552.6/47

In: 35.322+/-0.005 χ^2/NDF:10344052.7/43

Out: 36.663+/-0.005 χ^2/NDF:11412296.2/51

All: 36.006+/-0.004 χ^2/NDF: 21788906.8/95



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.6/26

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

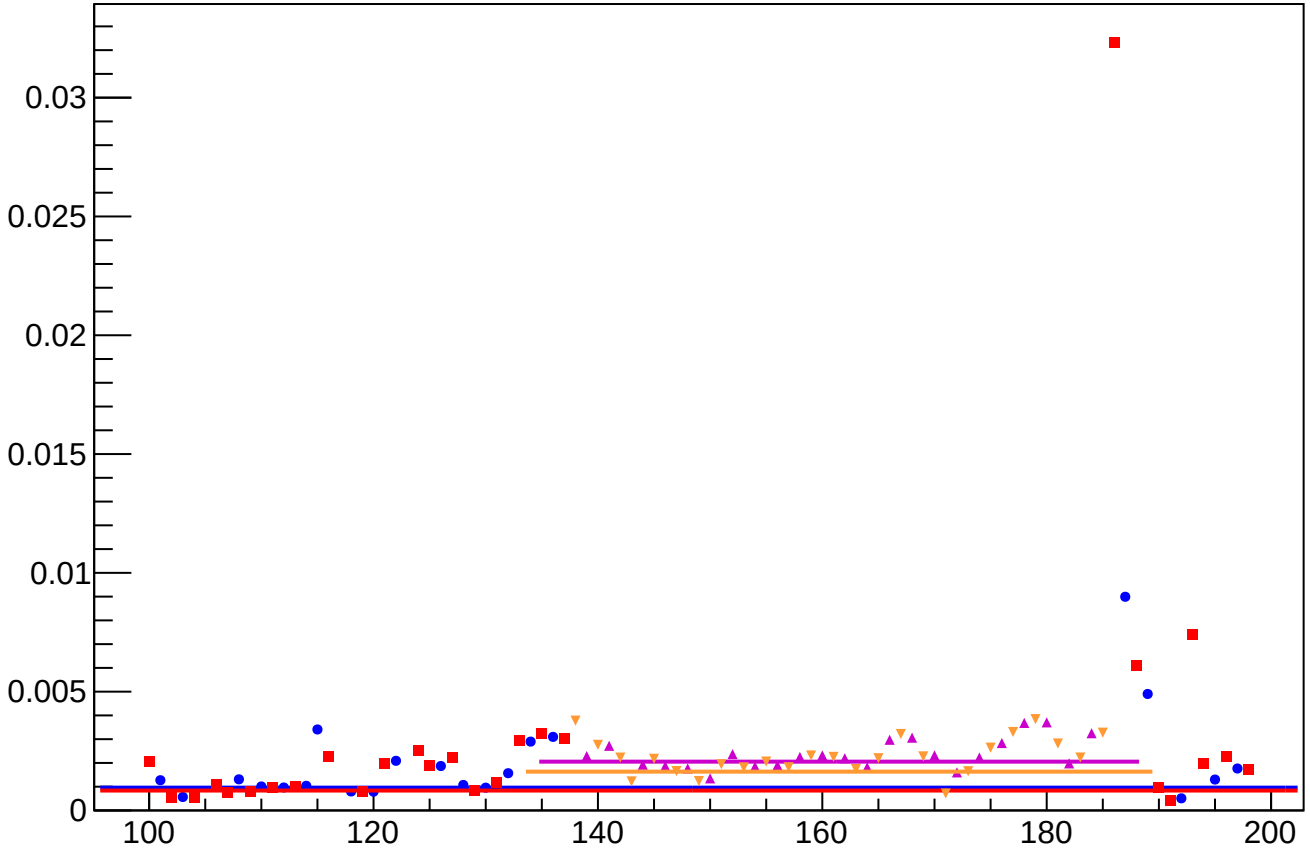
Right: 0.000+/-0.000 χ^2/NDF: 51.3/47

In: 0.000+/-0.000 χ^2/NDF:49.1/43

Out: 0.000+/-0.000 χ^2/NDF:75.4/51

All: 0.000+/-0.000 χ^2/NDF: 124.6/95

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4419600.2/20

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8634854.7/26

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

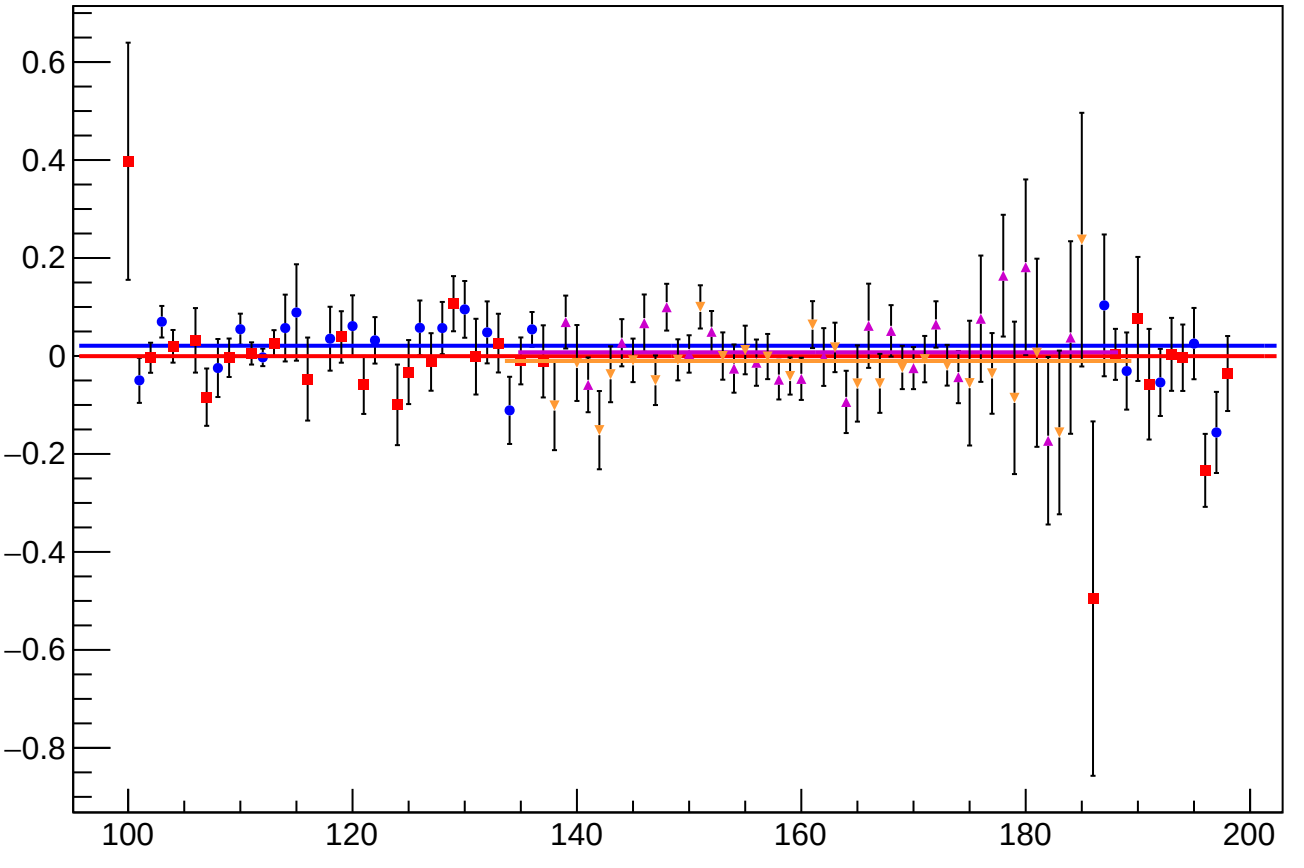
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 13190678.7/47

In: 0.001+/-0.000 χ^2/NDF:12840105.1/43

Out: 0.001+/-0.000 χ^2/NDF:19990220.3/51

All: 0.001+/-0.000 χ^2/NDF: 33454125.7/95



Right In: 0.021+/-0.010 χ^2/NDF: 23.2/20

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.010 χ^2/NDF: 26.4/26

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

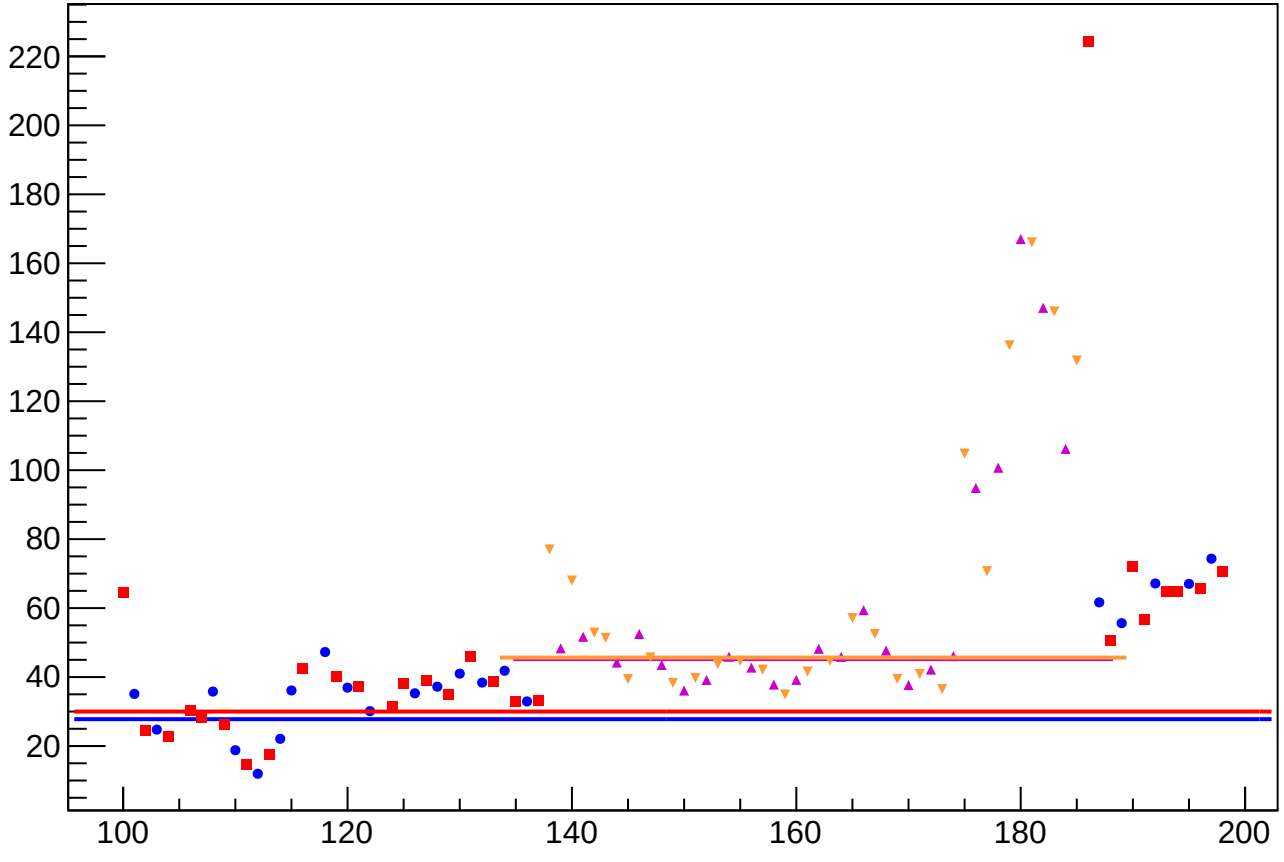
Right: 0.010+/-0.007 χ^2/NDF: 52.0/47

In: 0.015+/-0.008 χ^2/NDF:47.3/43

Out: -0.005+/-0.007 χ^2/NDF:44.9/51

All: 0.005+/-0.005 χ^2/NDF: 95.7/95

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.789+/-0.007 χ^2/NDF: 4705394.5/20

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 29.997+/-0.007 χ^2/NDF: 5184211.4/26

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

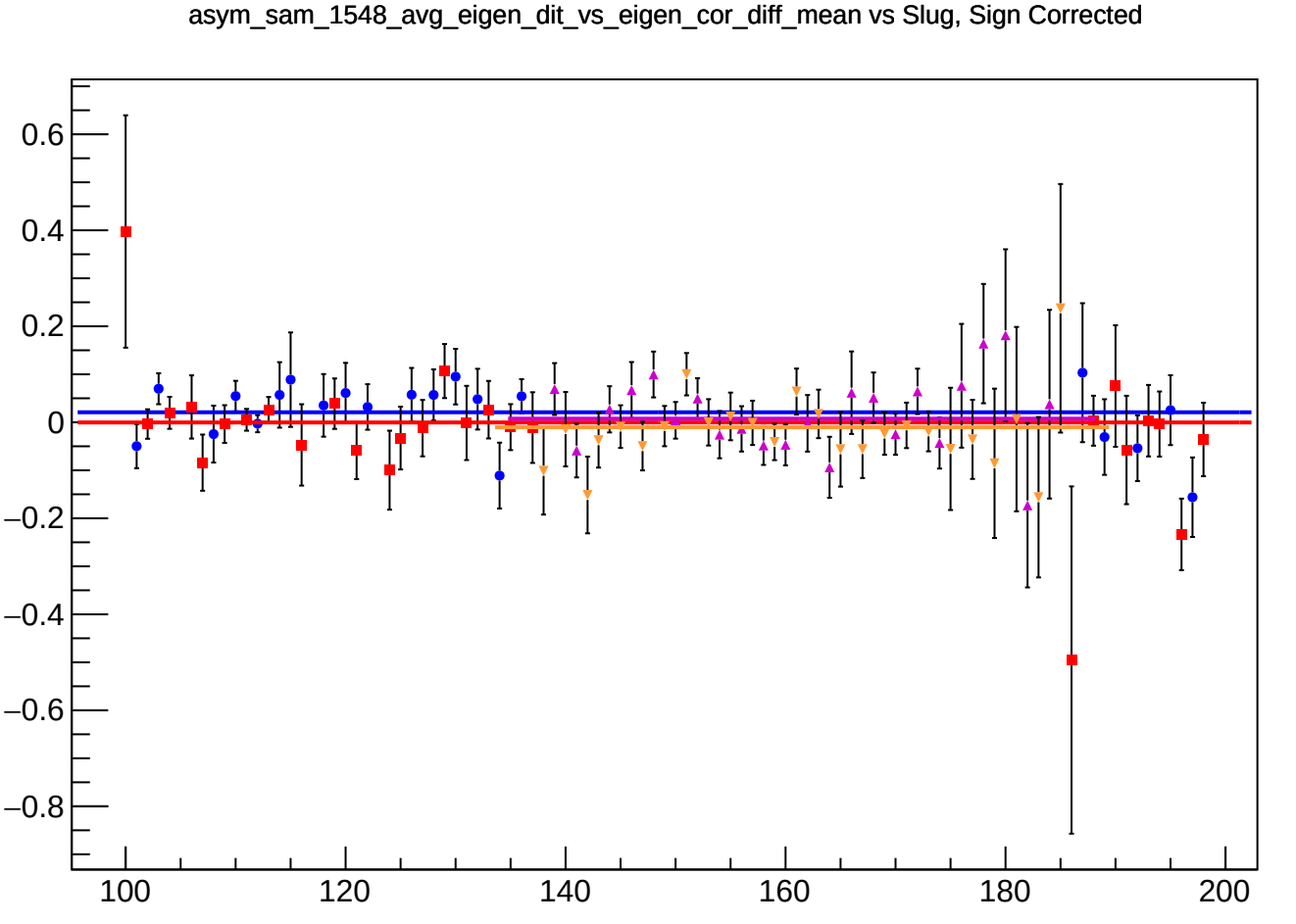
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 28.921+/-0.005 χ^2/NDF: 9939978.0/47

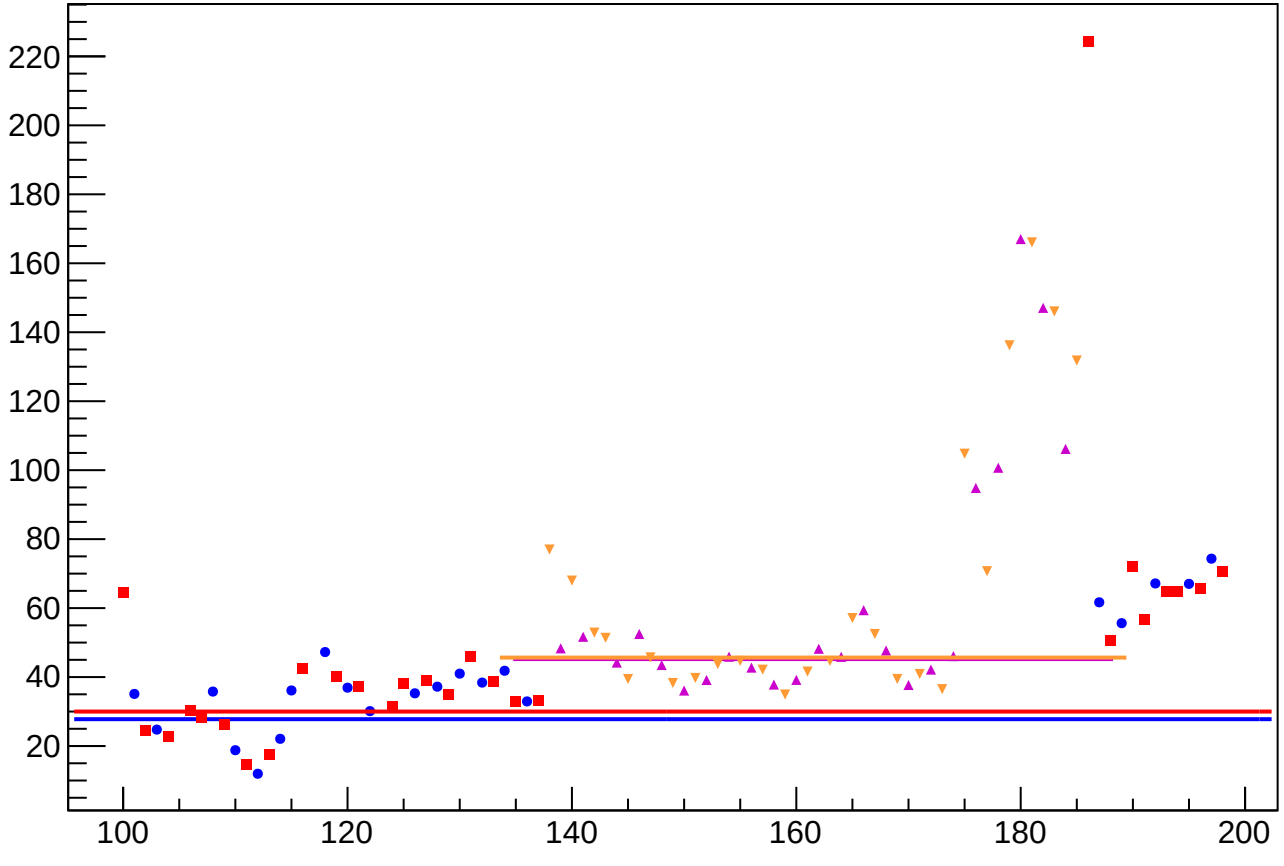
In: 35.322+/-0.005 χ^2/NDF:10344506.2/43

Out: 36.663+/-0.005 χ^2/NDF:11412651.8/51

All: 36.006+/-0.004 χ^2/NDF: 21789722.5/95


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.021+/-0.010 χ²/NDF: 23.2/20
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: -0.000+/-0.010 χ²/NDF: 26.4/26
Left In: 0.008+/-0.011 χ²/NDF:23.3/22
Left: -0.001+/-0.008 χ²/NDF: 42.6/47
Right: 0.010+/-0.007 χ²/NDF: 52.0/47
In: 0.015+/-0.008 χ²/NDF:47.3/43
Out: -0.005+/-0.007 χ²/NDF:44.9/51
All: 0.005+/-0.005 χ²/NDF: 95.7/95

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.789+/-0.007 χ^2/NDF: 4705394.5/20

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 29.997+/-0.007 χ^2/NDF: 5184211.4/26

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

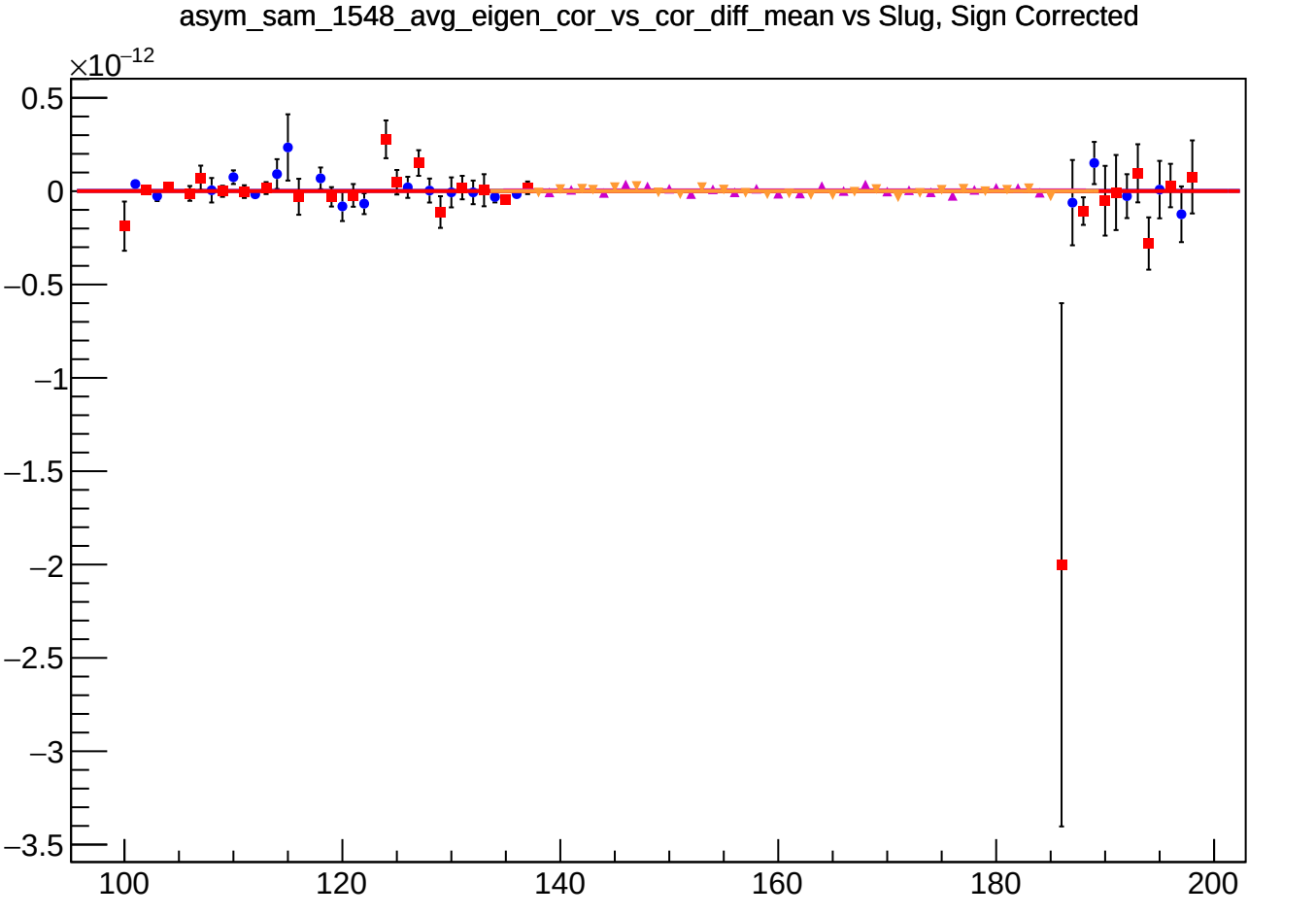
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

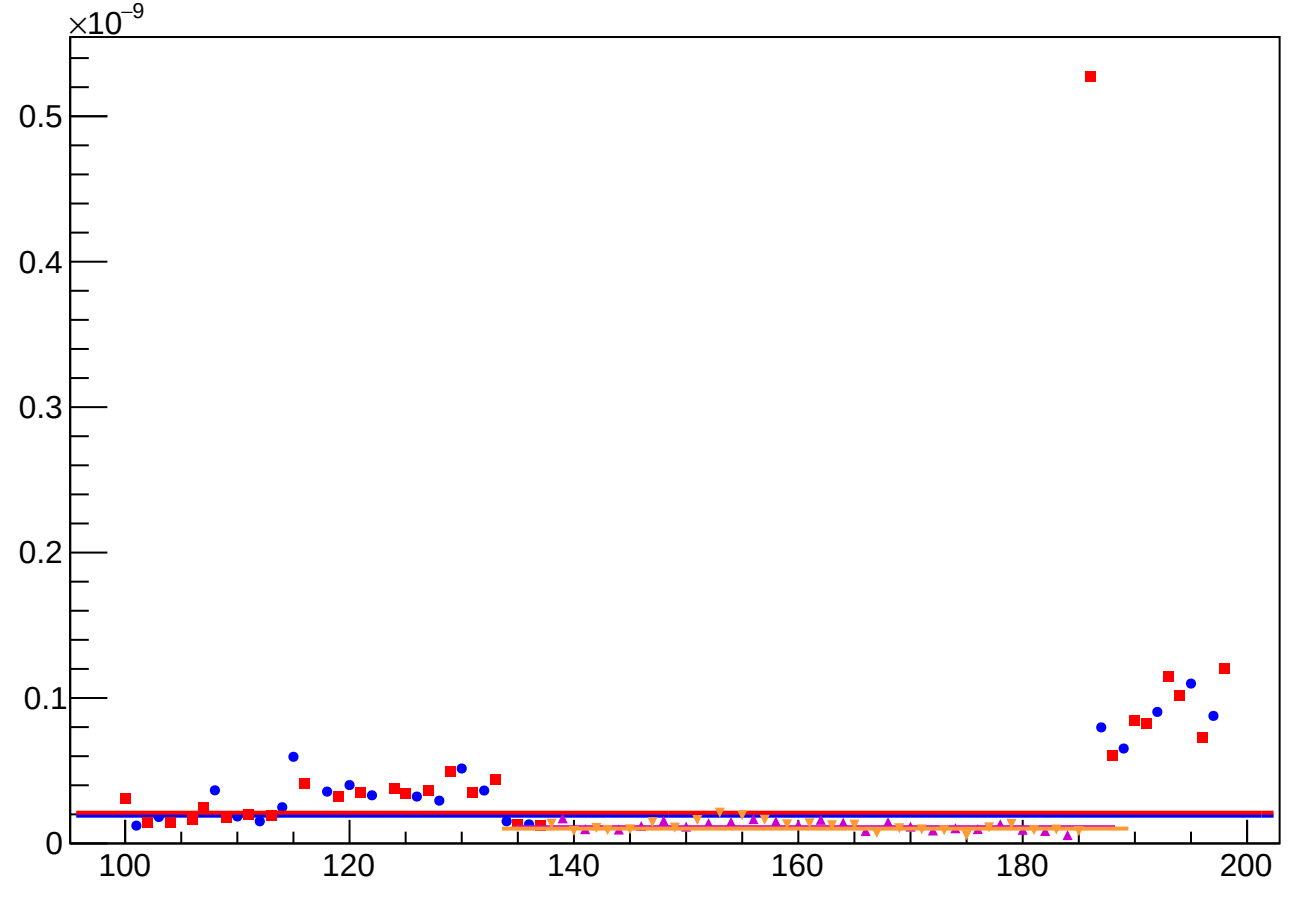
Right: 28.921+/-0.005 χ^2/NDF: 9939978.0/47

In: 35.322+/-0.005 χ^2/NDF:10344506.2/43

Out: 36.663+/-0.005 χ^2/NDF:11412651.8/51

All: 36.006+/-0.004 χ^2/NDF: 21789722.5/95


asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 21.3/20
Left Out: 0.000+/-0.000 χ²/NDF:25.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 32.4/26
Left In: 0.000+/-0.000 χ²/NDF:23.7/22
Left: 0.000+/-0.000 χ²/NDF: 49.9/47
Right: 0.000+/-0.000 χ²/NDF: 53.7/47
In: 0.000+/-0.000 χ²/NDF:45.1/43
Out: 0.000+/-0.000 χ²/NDF:57.8/51
All: 0.000+/-0.000 χ²/NDF: 103.7/95



Right In: 0.000+/-0.000 χ^2/NDF: 4243918.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5268356.3/26

Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

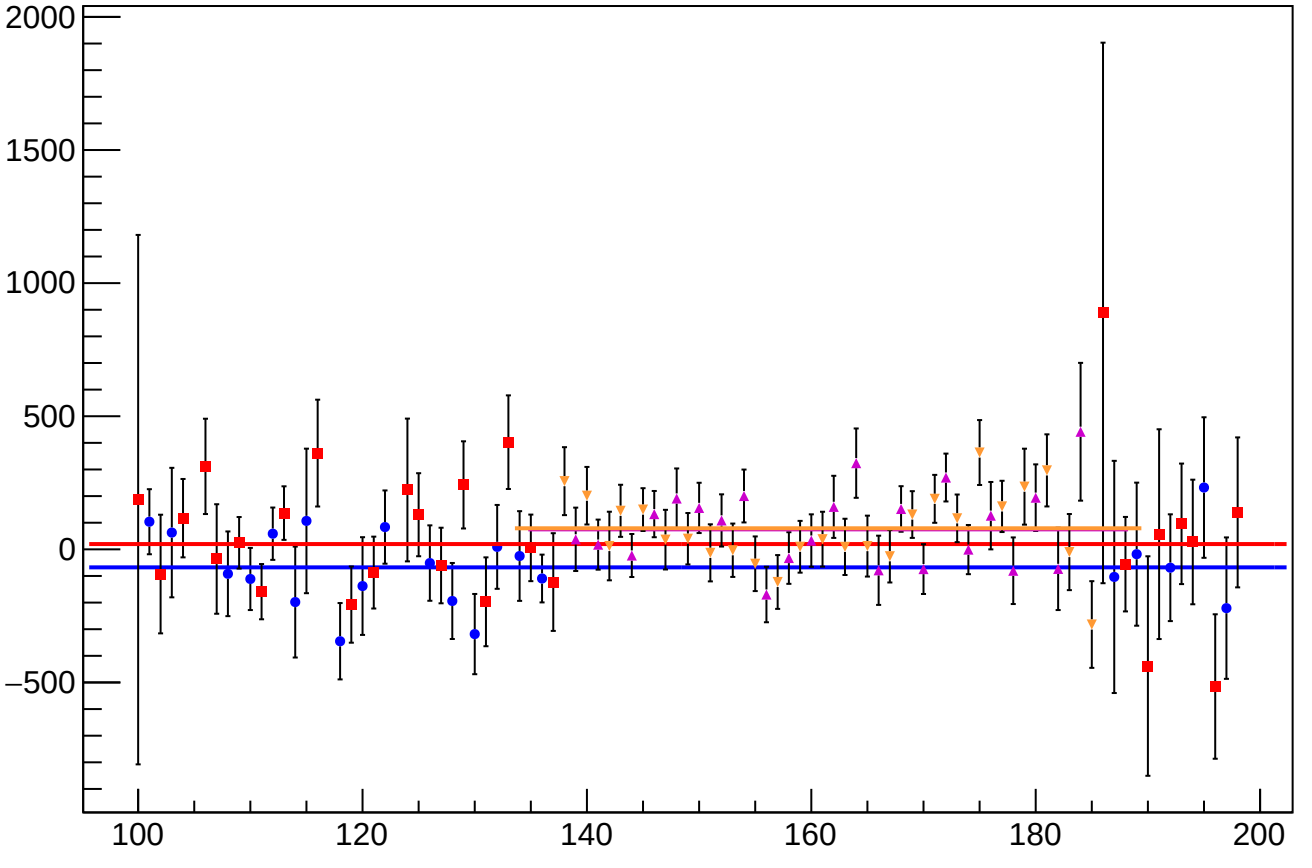
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 9567229.9/47

In: 0.000+/-0.000 χ^2/NDF:7275942.1/43

Out: 0.000+/-0.000 χ^2/NDF:10213769.4/51

All: 0.000+/-0.000 χ^2/NDF: 17581486.2/95



Right In: -67.687+/-33.650 χ^2/NDF: 15.7/20

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: 19.846+/-32.244 χ^2/NDF: 30.4/26

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

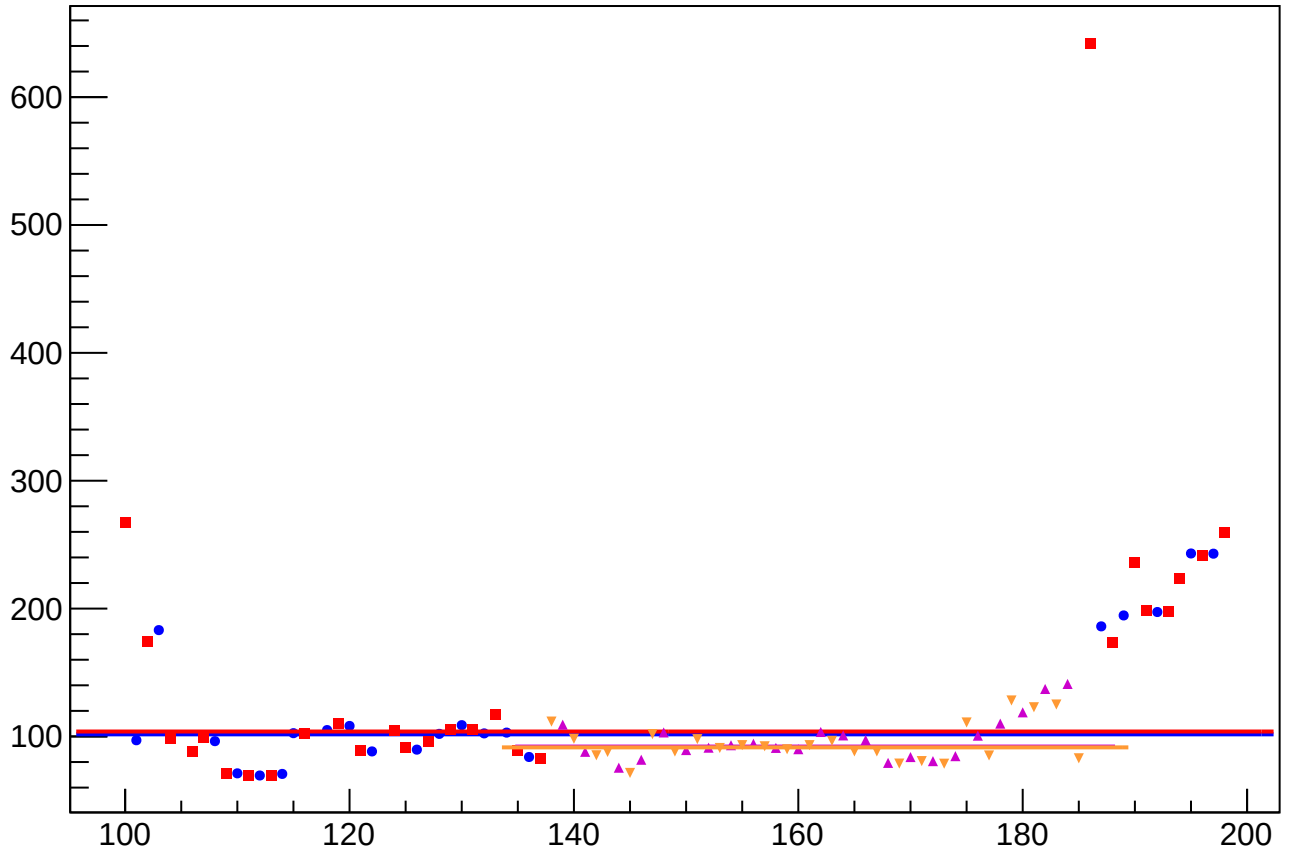
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -22.054+/-23.281 χ^2/NDF: 49.7/47

In: 32.751+/-18.318 χ^2/NDF:61.0/43

Out: 61.330+/-17.657 χ^2/NDF:64.8/51

All: 47.565+/-12.713 χ^2/NDF: 127.1/95



Right In: 101.653+/-0.024 χ^2/NDF: 2654003.1/20

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 103.869+/-0.023 χ^2/NDF: 4258478.0/26

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

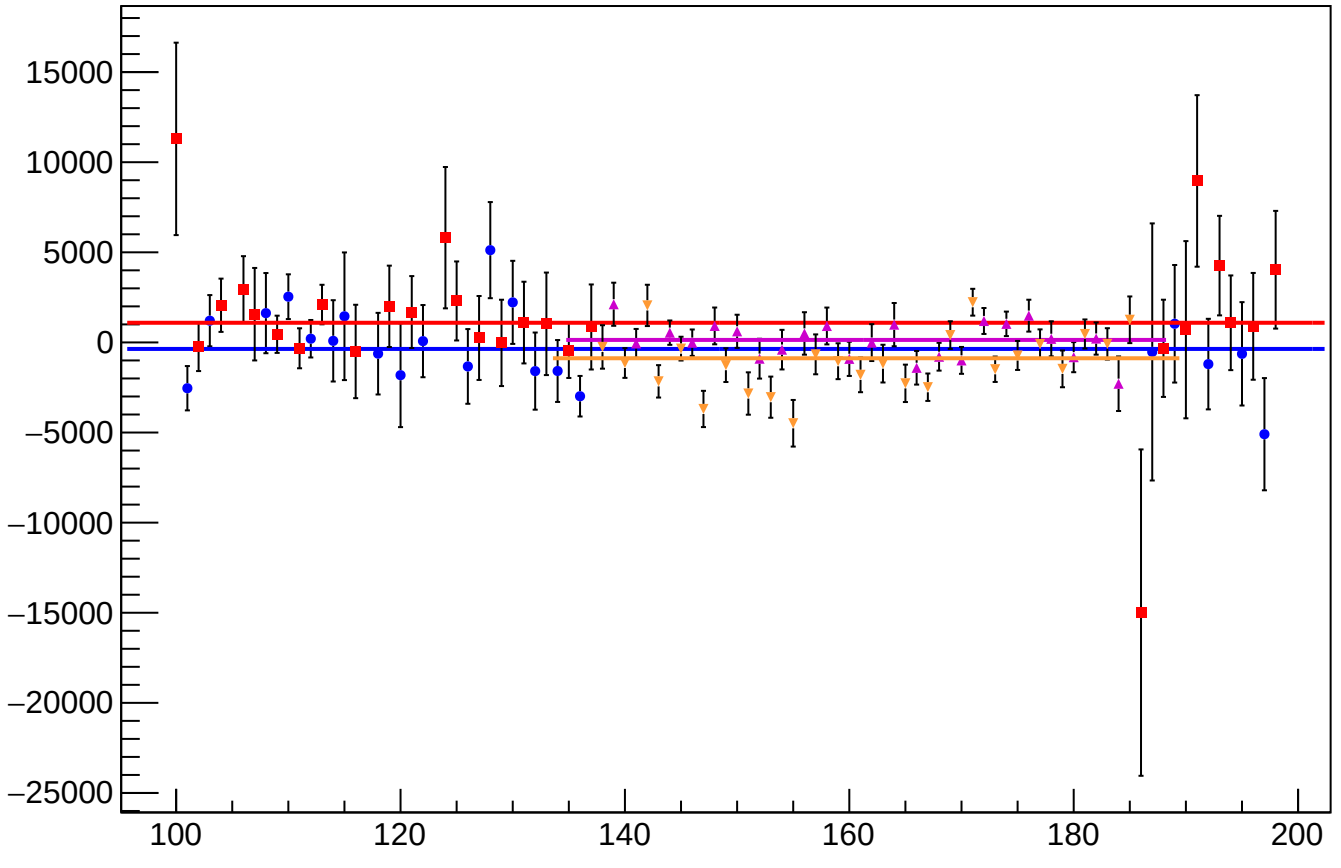
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 102.808+/-0.016 χ^2/NDF: 6917005.8/47

In: 94.931+/-0.013 χ^2/NDF:3466998.6/43

Out: 95.182+/-0.012 χ^2/NDF:5217031.6/51

All: 95.061+/-0.009 χ^2/NDF: 8684225.3/95



Right In: -361.166+/-402.353 χ^2/NDF: 26.1/20

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: 1090.596+/-379.508 χ^2/NDF: 21.0/26

Left In: 138.728+/-186.573 χ^2/NDF:24.2/22

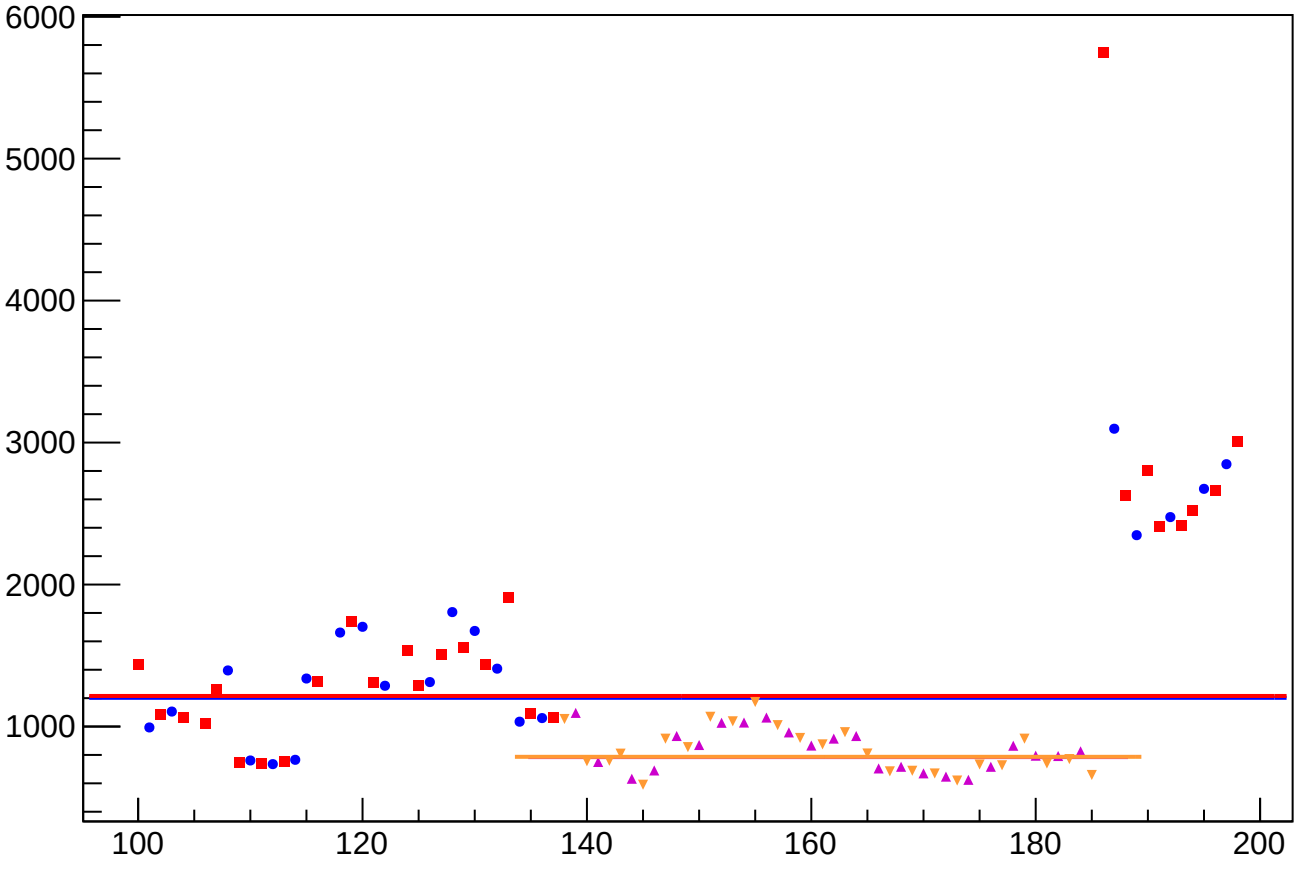
Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

Right: 407.098+/-276.075 χ^2/NDF: 54.0/47

In: 50.261+/-169.261 χ^2/NDF:51.6/43

Out: -509.665+/-164.242 χ^2/NDF:110.6/51

All: -238.126+/-117.871 χ^2/NDF: 167.8/95



Right In: 1202.425+/-0.285 χ^2/NDF: 3209808.3/20

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1215.331+/-0.268 χ^2/NDF: 4886017.1/26

Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

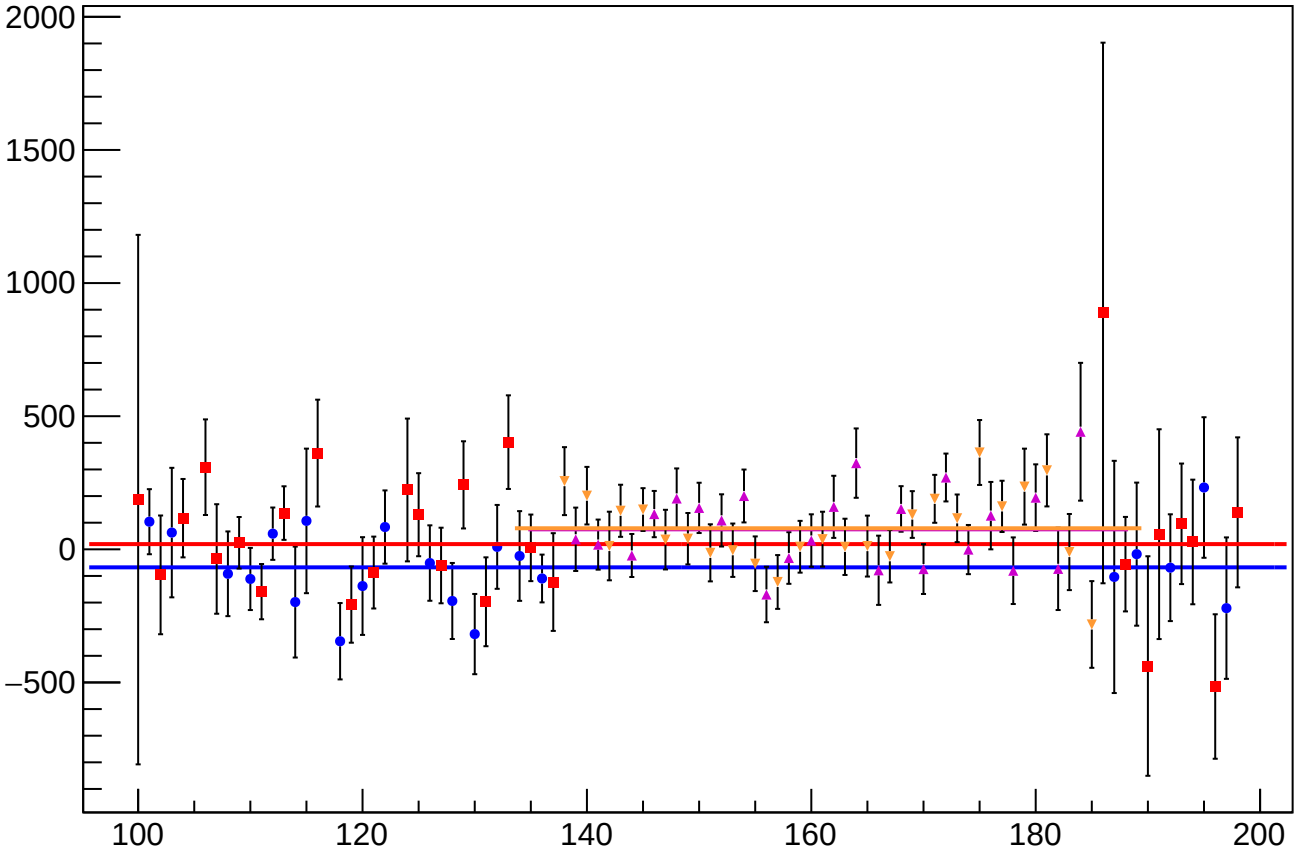
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1209.255+/-0.195 χ^2/NDF: 8096914.4/47

In: 858.735+/-0.120 χ^2/NDF:6046666.3/43

Out: 867.029+/-0.116 χ^2/NDF:8169774.7/51

All: 863.006+/-0.083 χ^2/NDF: 14218914.3/95



Right In: -67.697+/-33.650 χ^2/NDF: 15.7/20

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 19.620+/-32.248 χ^2/NDF: 30.4/26

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

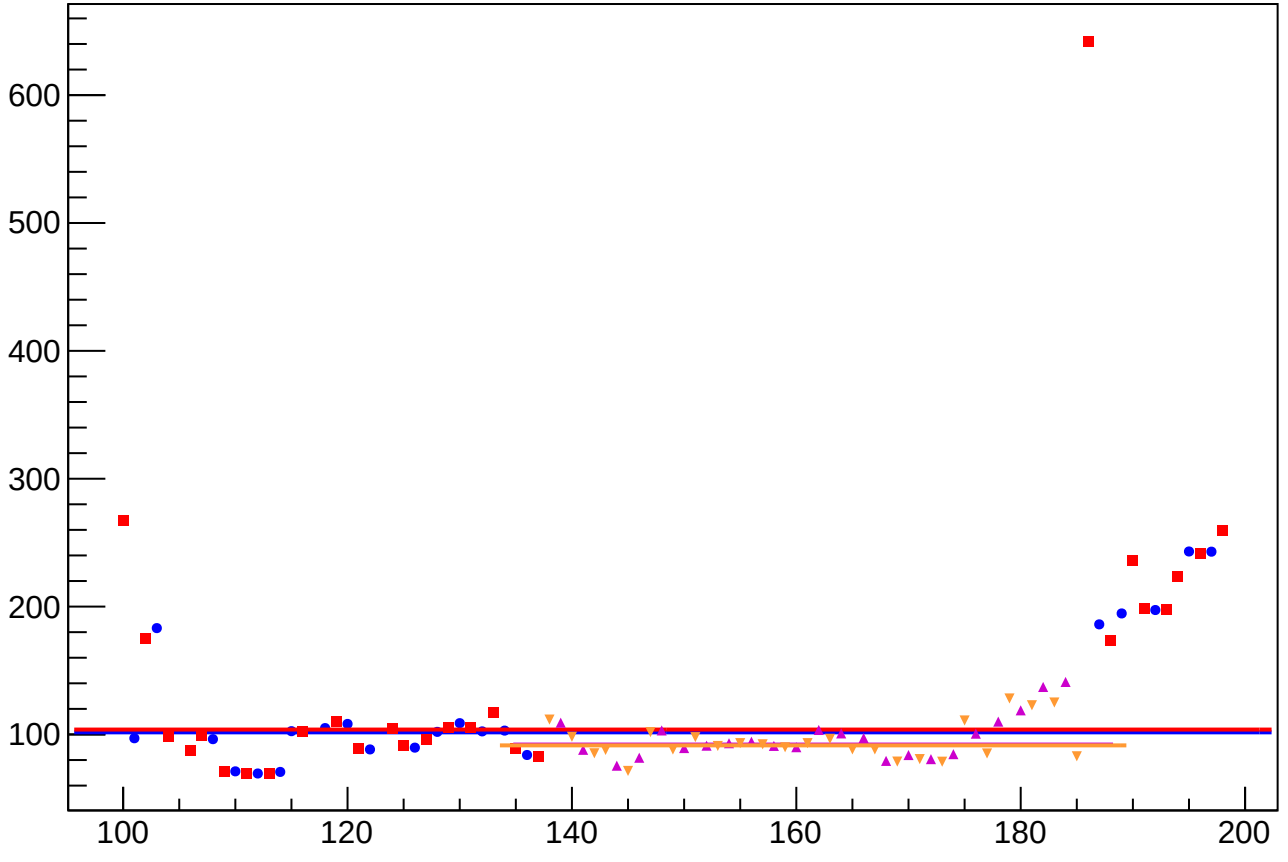
Right: -22.182+/-23.282 χ^2/NDF: 49.6/47

In: 32.748+/-18.318 χ^2/NDF:61.0/43

Out: 61.271+/-17.658 χ^2/NDF:64.7/51

All: 47.533+/-12.713 χ^2/NDF: 127.0/95

cor_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.653+/-0.024 χ^2/NDF: 2654006.2/20

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 103.830+/-0.023 χ^2/NDF: 4261210.5/26

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

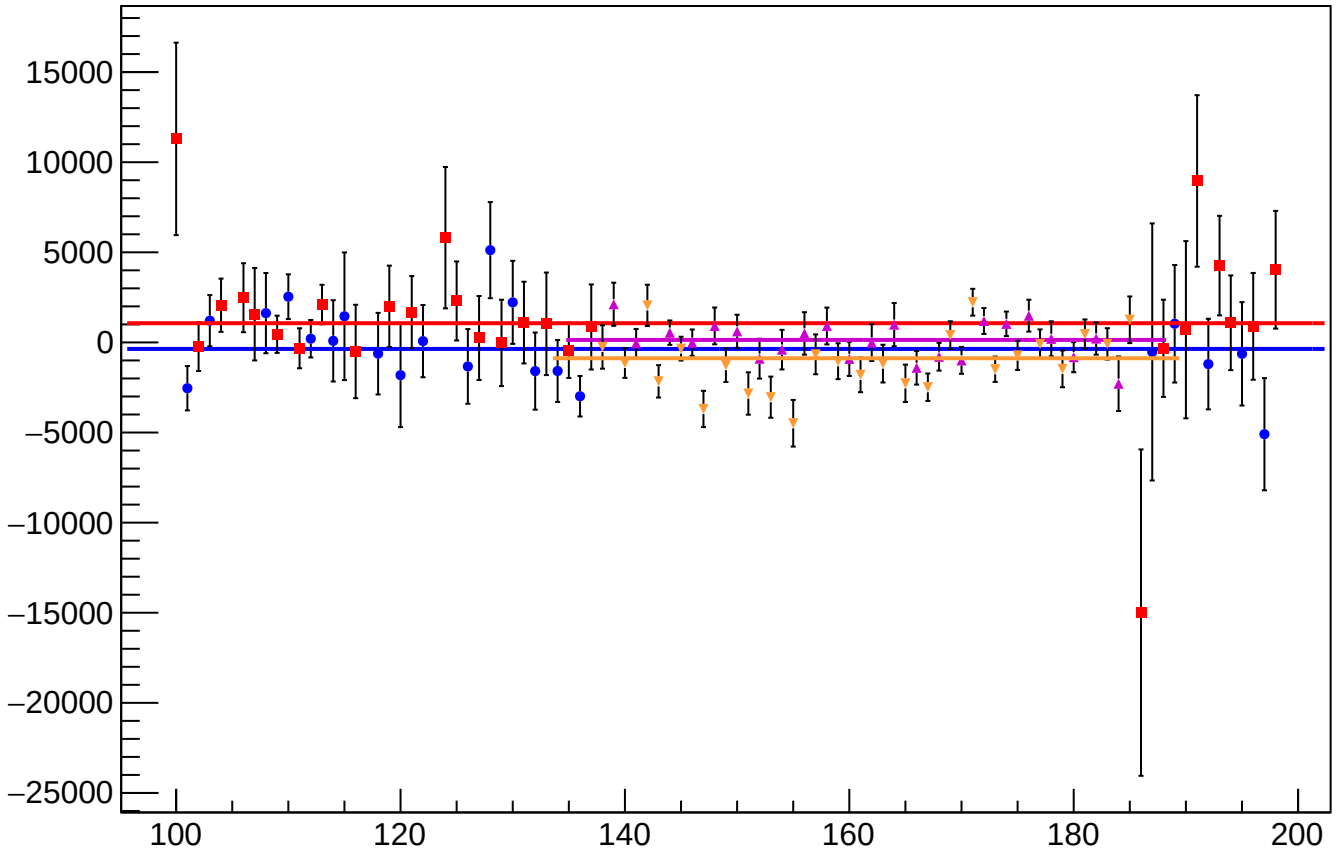
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 102.788+/-0.016 χ^2/NDF: 6919582.8/47

In: 94.931+/-0.013 χ^2/NDF:3467001.8/43

Out: 95.170+/-0.012 χ^2/NDF:5218429.4/51

All: 95.055+/-0.009 χ^2/NDF: 8685607.6/95



Right In: -361.187+/-402.356 χ^2/NDF: 26.1/20

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 1066.143+/-380.194 χ^2/NDF: 20.5/26

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

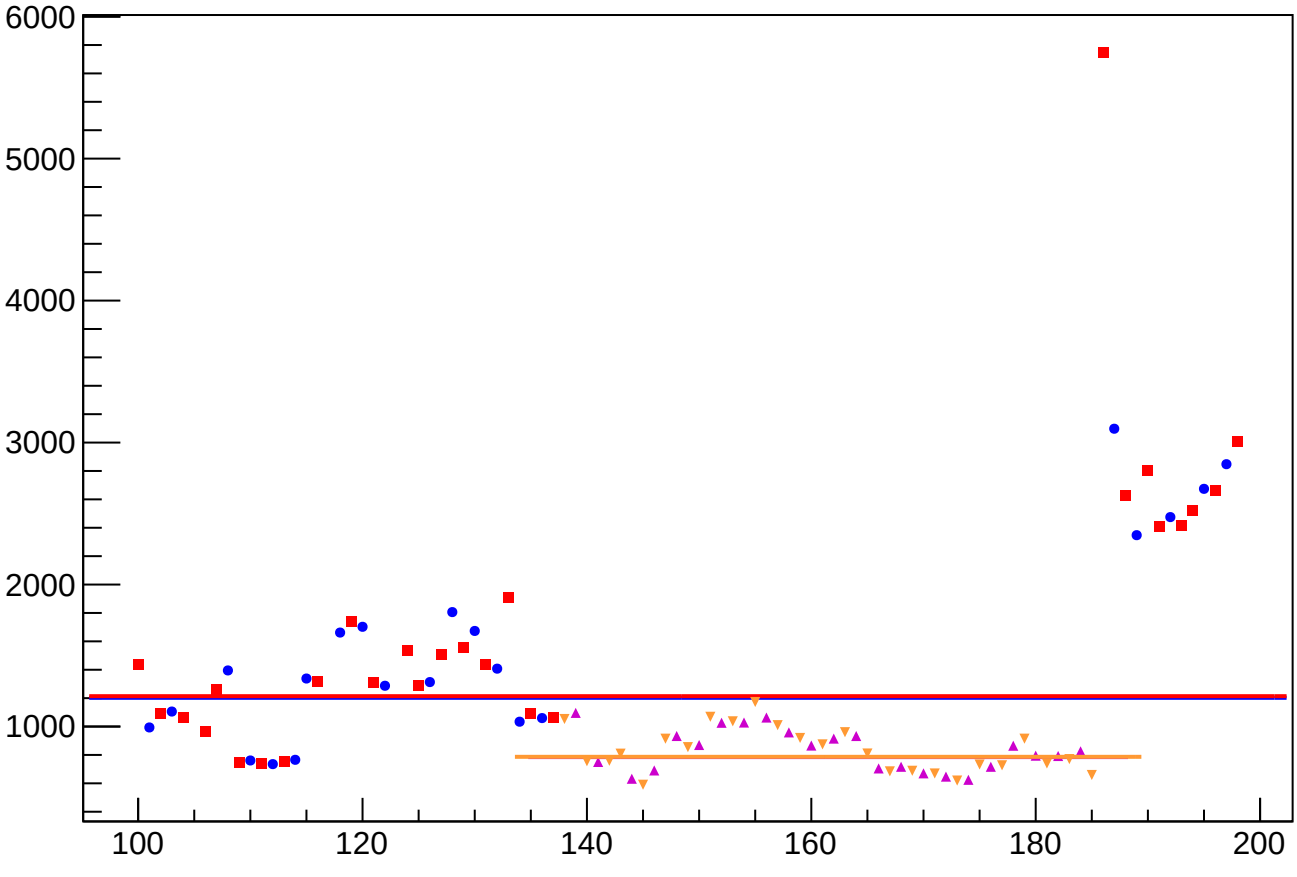
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 392.868+/-276.340 χ^2/NDF: 53.3/47

In: 50.260+/-169.261 χ^2/NDF:51.6/43

Out: -515.305+/-164.298 χ^2/NDF:109.5/51

All: -240.937+/-117.892 χ^2/NDF: 166.8/95



Right In: 1202.435+/-0.285 χ^2/NDF: 3209788.0/20

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1213.833+/-0.269 χ^2/NDF: 4897626.0/26

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

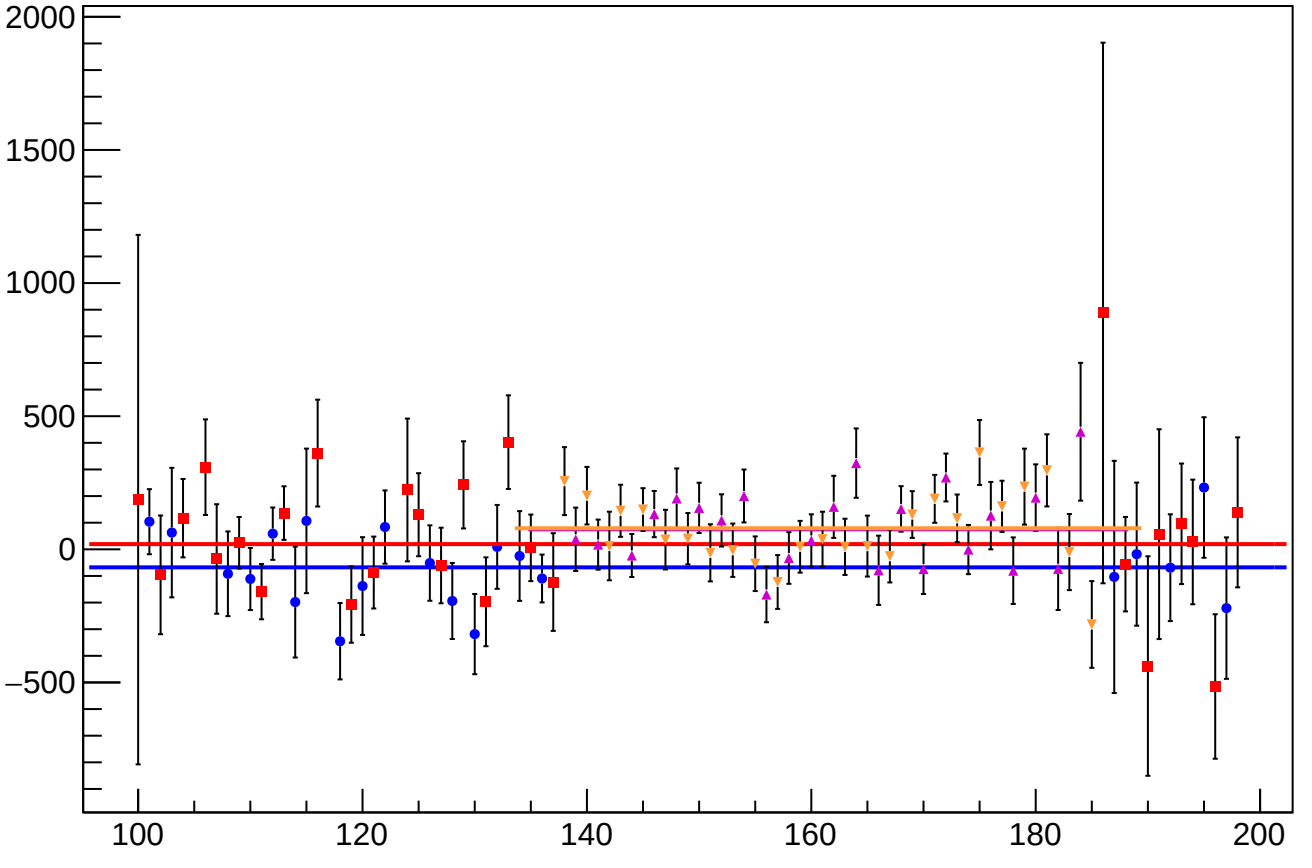
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1208.457+/-0.195 χ^2/NDF: 8108261.9/47

In: 858.736+/-0.120 χ^2/NDF:6046705.2/43

Out: 866.513+/-0.116 χ^2/NDF:8160885.3/51

All: 862.740+/-0.083 χ^2/NDF: 14209764.8/95



Right In: -67.697+/-33.650 χ^2/NDF: 15.7/20

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 19.620+/-32.248 χ^2/NDF: 30.4/26

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

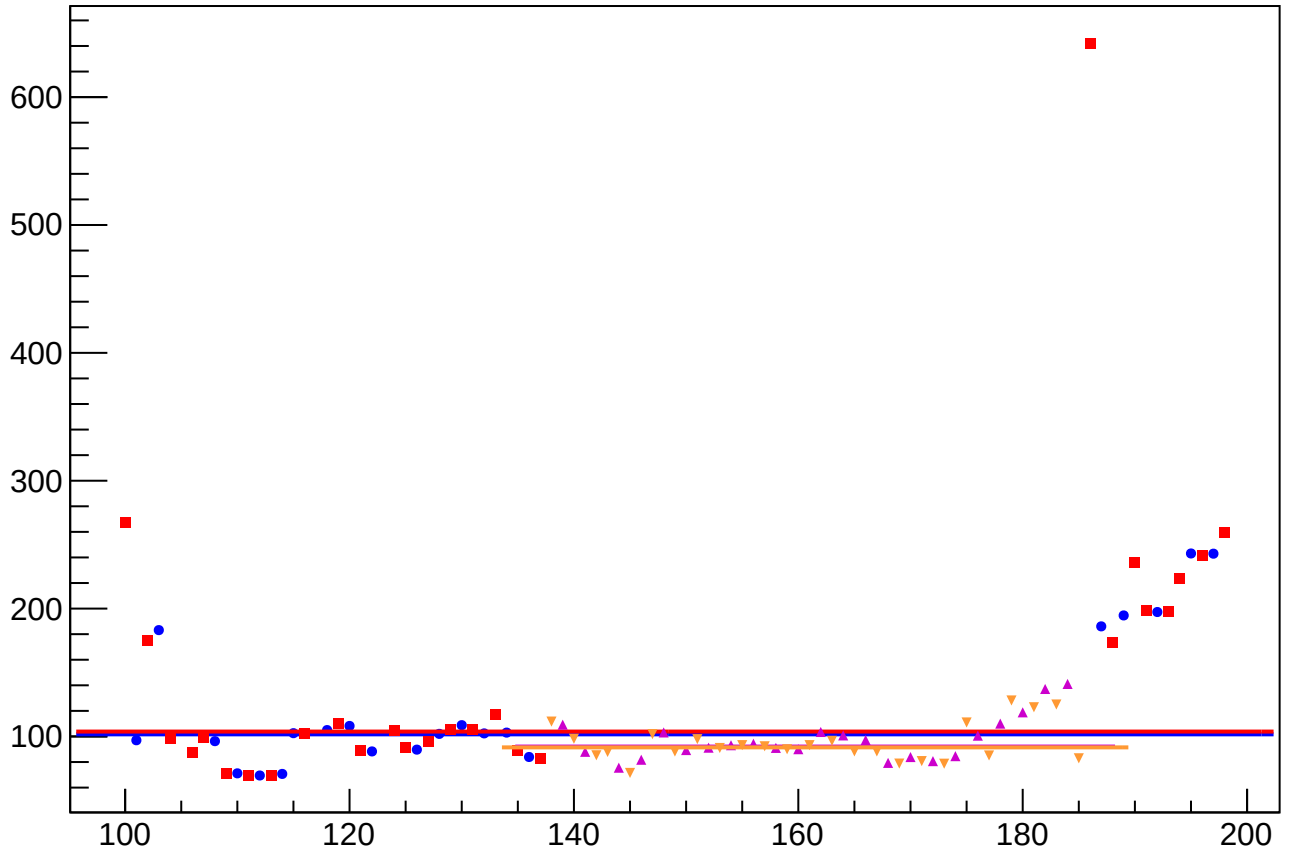
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -22.182+/-23.282 χ^2/NDF: 49.6/47

In: 32.748+/-18.318 χ^2/NDF:61.0/43

Out: 61.271+/-17.658 χ^2/NDF:64.7/51

All: 47.533+/-12.713 χ^2/NDF: 127.0/95



Right In: 101.653+/-0.024 χ^2/NDF: 2654006.2/20

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 103.830+/-0.023 χ^2/NDF: 4261210.5/26

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

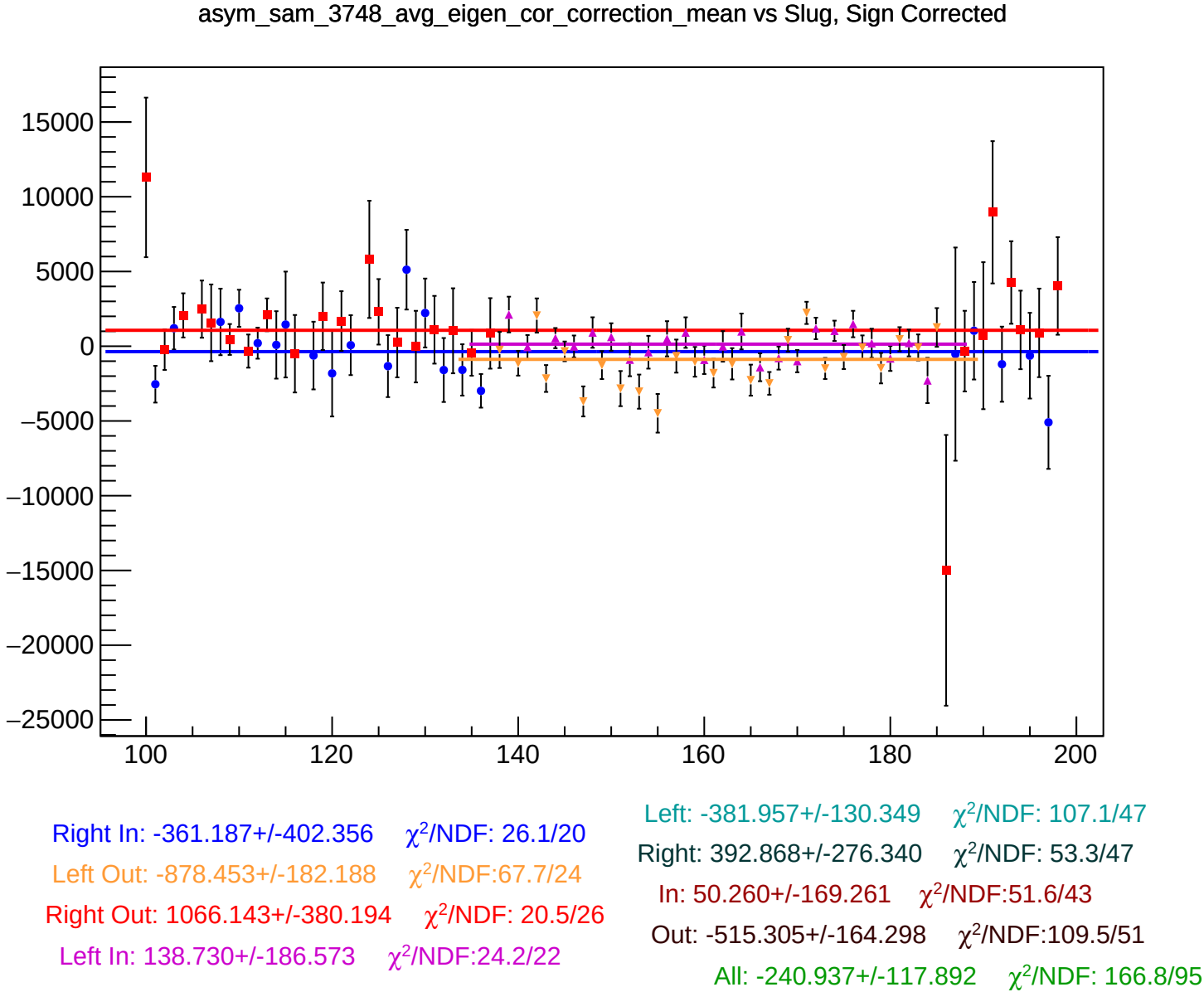
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

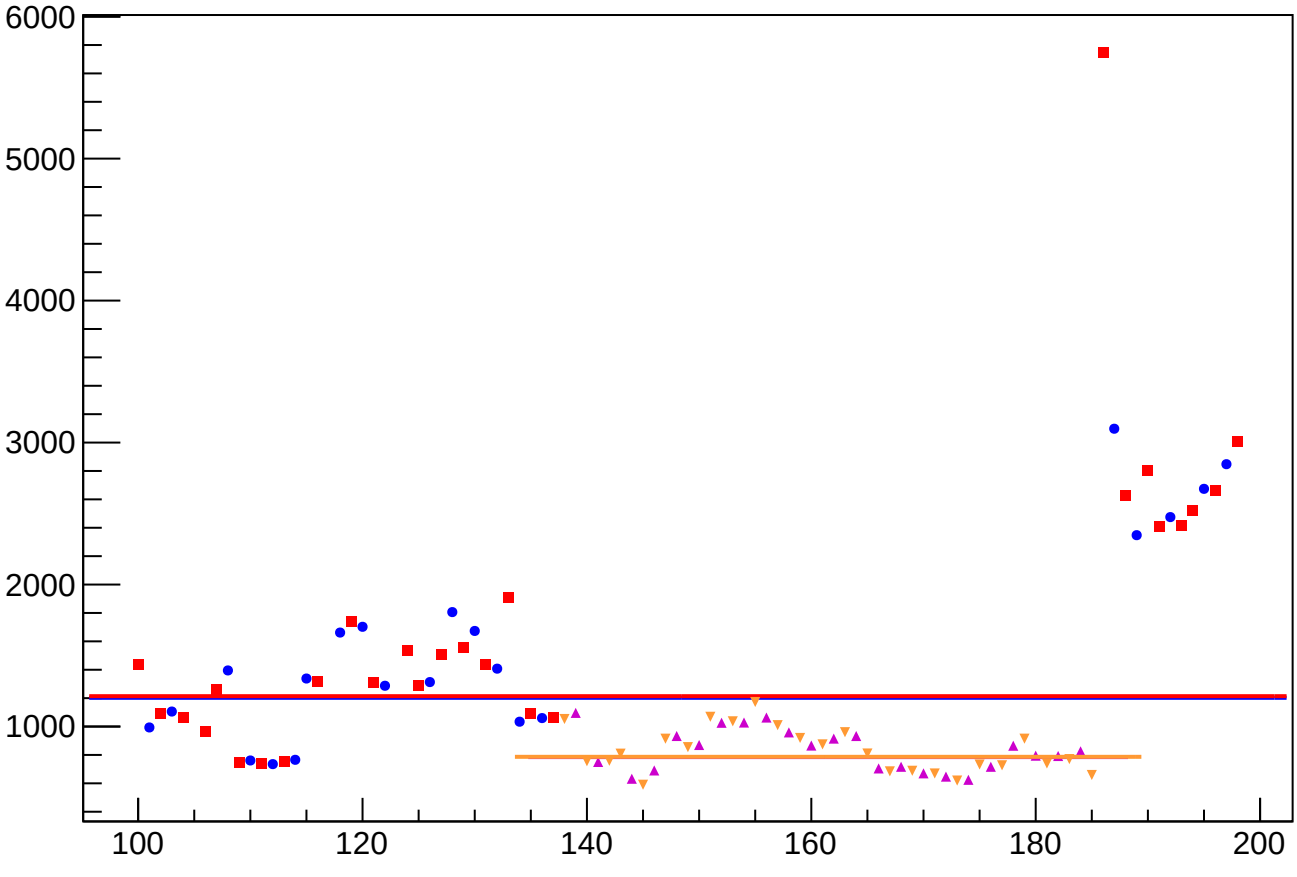
Right: 102.788+/-0.016 χ^2/NDF: 6919582.8/47

In: 94.931+/-0.013 χ^2/NDF:3467001.8/43

Out: 95.170+/-0.012 χ^2/NDF:5218429.4/51

All: 95.055+/-0.009 χ^2/NDF: 8685607.6/95


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: -361.187+/-402.356 χ²/NDF: 26.1/20
Left Out: -878.453+/-182.188 χ²/NDF:67.7/24
Right Out: 1066.143+/-380.194 χ²/NDF: 20.5/26
Left In: 138.730+/-186.573 χ²/NDF:24.2/22
Left: -381.957+/-130.349 χ²/NDF: 107.1/47
Right: 392.868+/-276.340 χ²/NDF: 53.3/47
In: 50.260+/-169.261 χ²/NDF:51.6/43
Out: -515.305+/-164.298 χ²/NDF:109.5/51
All: -240.937+/-117.892 χ²/NDF: 166.8/95



Right In: 1202.435+/-0.285 χ^2/NDF: 3209788.0/20

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1213.833+/-0.269 χ^2/NDF: 4897626.0/26

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

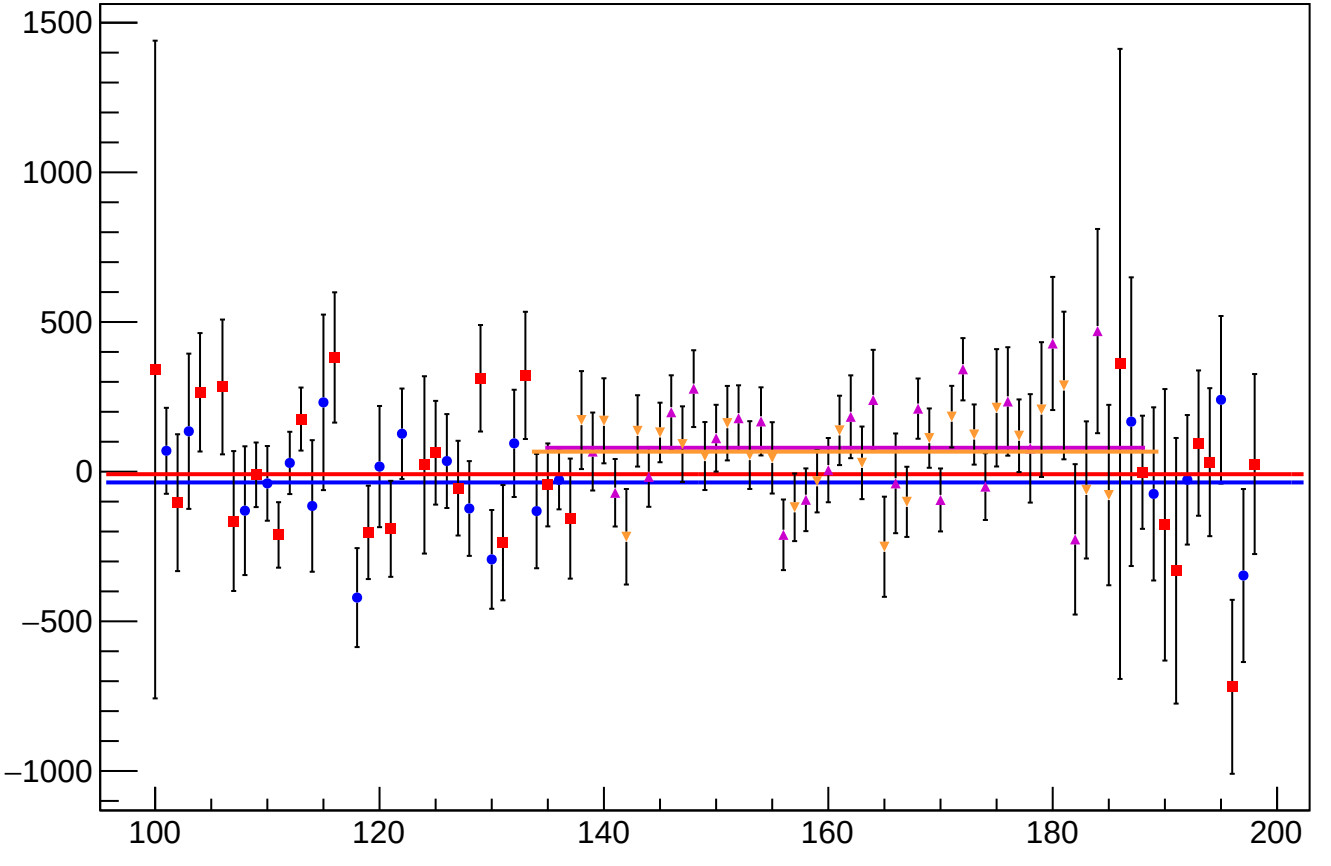
Right: 1208.457+/-0.195 χ^2/NDF: 8108261.9/47

In: 858.736+/-0.120 χ^2/NDF:6046705.2/43

Out: 866.513+/-0.116 χ^2/NDF:8160885.3/51

All: 862.740+/-0.083 χ^2/NDF: 14209764.8/95

dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: -35.978+/-37.265 χ^2/NDF: 15.2/20

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: -8.452+/-35.769 χ^2/NDF: 31.8/26

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

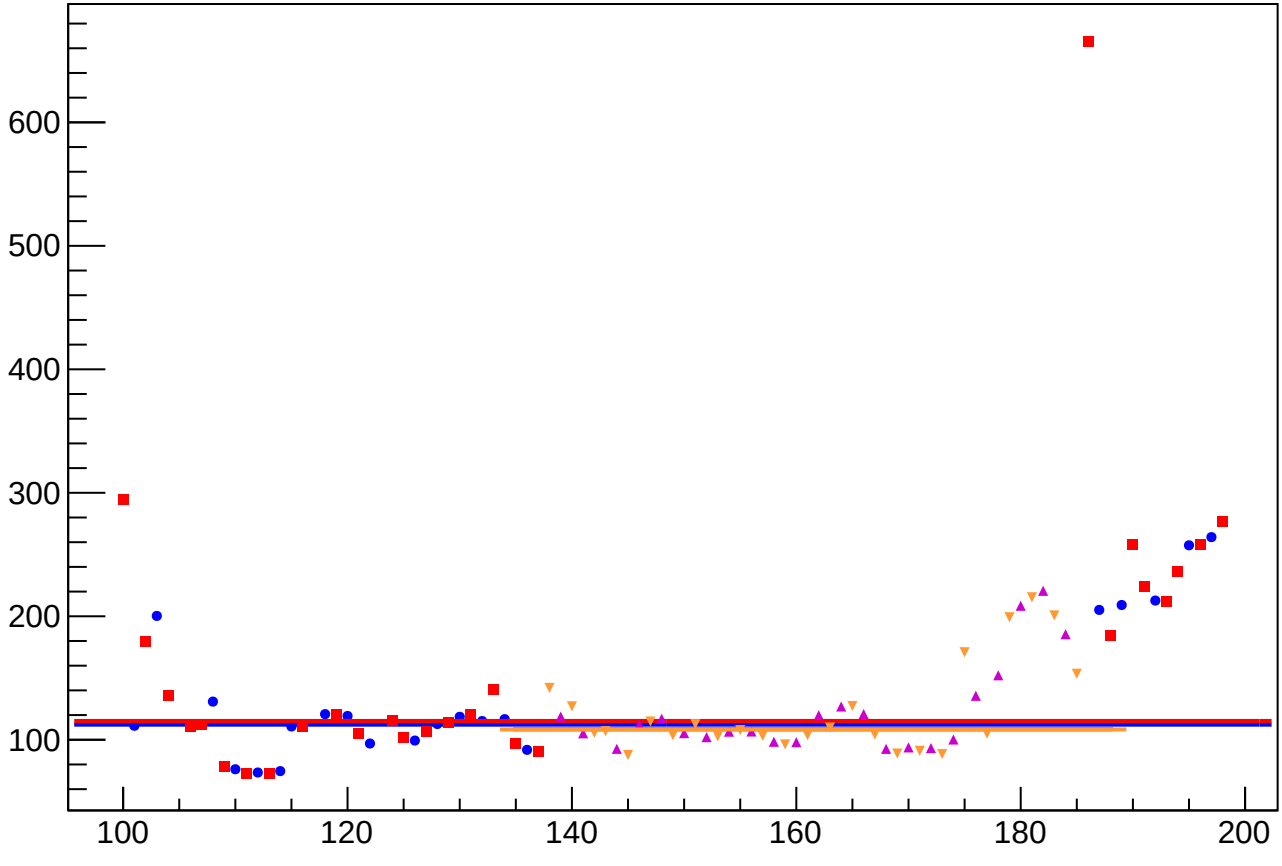
Right: -21.651+/-25.805 χ^2/NDF: 47.3/47

In: 41.286+/-21.487 χ^2/NDF:58.6/43

Out: 41.395+/-20.809 χ^2/NDF:54.3/51

All: 41.342+/-14.948 χ^2/NDF: 112.9/95

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 112.242+/-0.026 χ^2/NDF: 2701728.6/20

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 115.233+/-0.025 χ^2/NDF: 4205051.5/26

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

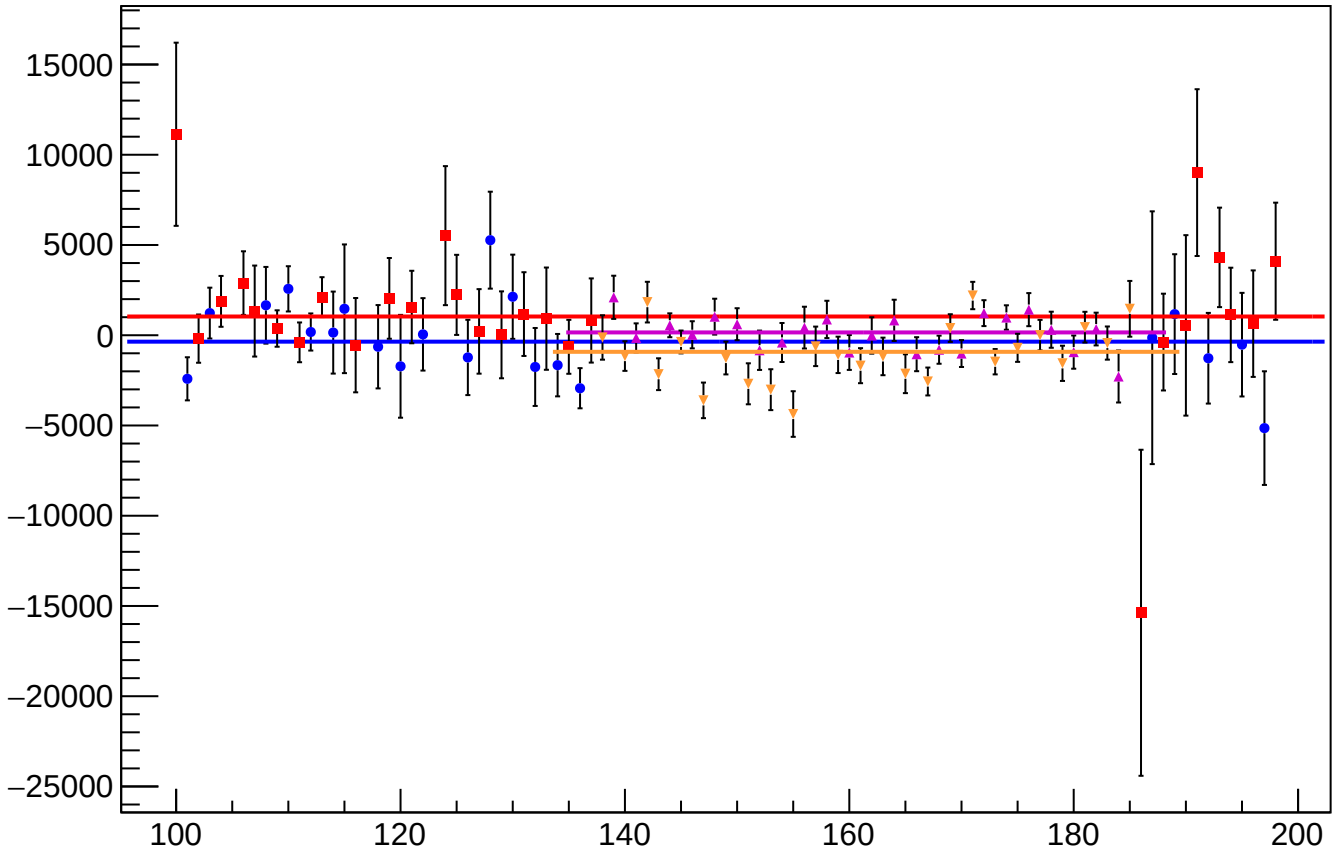
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

Right: 113.799+/-0.018 χ^2/NDF: 6913484.5/47

In: 109.739+/-0.015 χ^2/NDF:4094642.7/43

Out: 110.666+/-0.015 χ^2/NDF:6028922.7/51

All: 110.217+/-0.011 χ^2/NDF: 10125487.4/95



Right In: -355.872+/-400.285 χ^2/NDF: 26.2/20

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: 1038.028+/-375.415 χ^2/NDF: 22.1/26

Left In: 155.874+/-187.116 χ^2/NDF:23.1/22

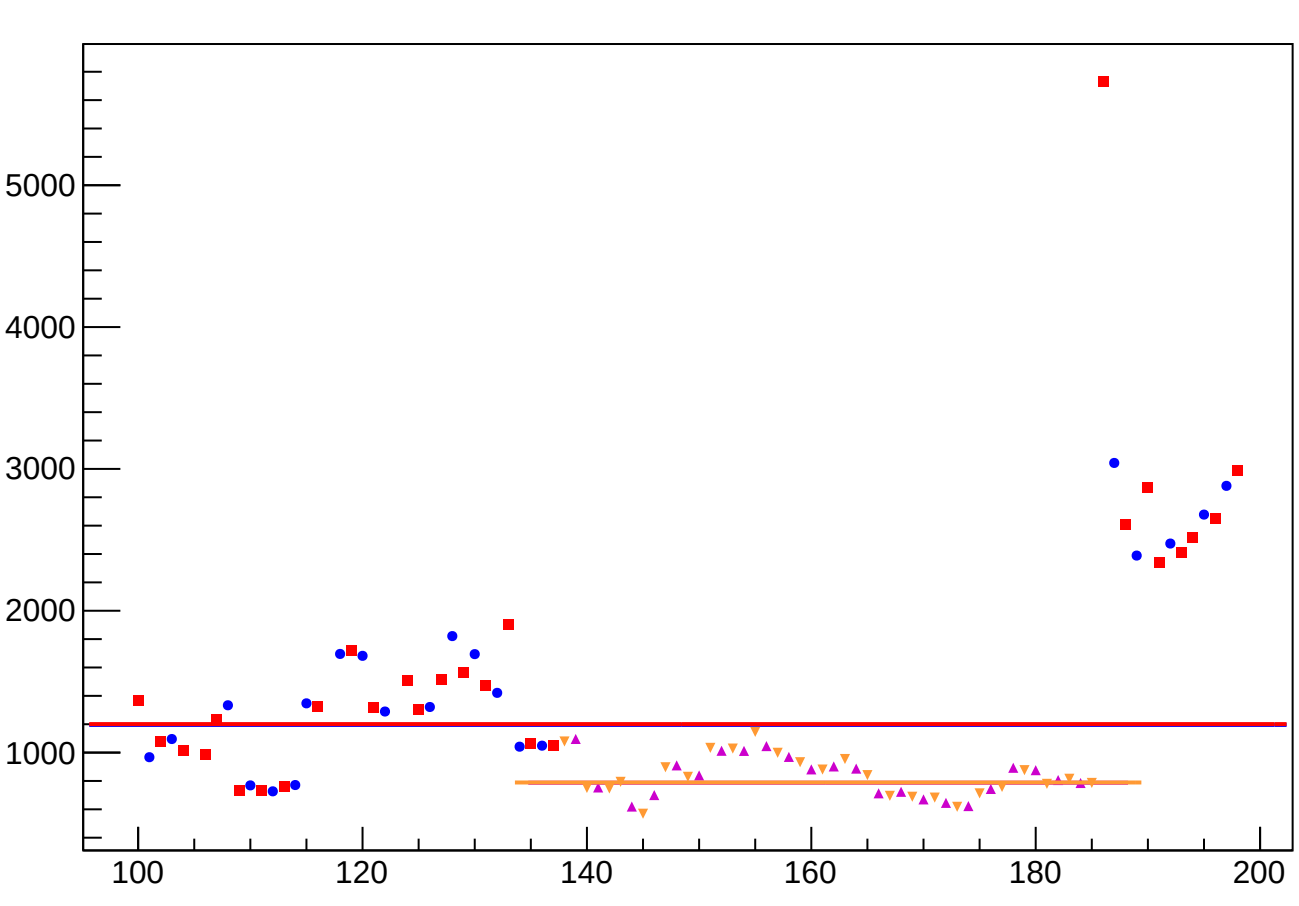
Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

Right: 385.722+/-273.829 χ^2/NDF: 54.7/47

In: 64.103+/-169.510 χ^2/NDF:50.6/43

Out: -544.831+/-164.105 χ^2/NDF:108.2/51

All: -250.226+/-117.904 χ^2/NDF: 165.4/95



Right In: 1195.015+/-0.283 χ^2/NDF: 3270607.3/20

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1200.867+/-0.265 χ^2/NDF: 4961512.7/26

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

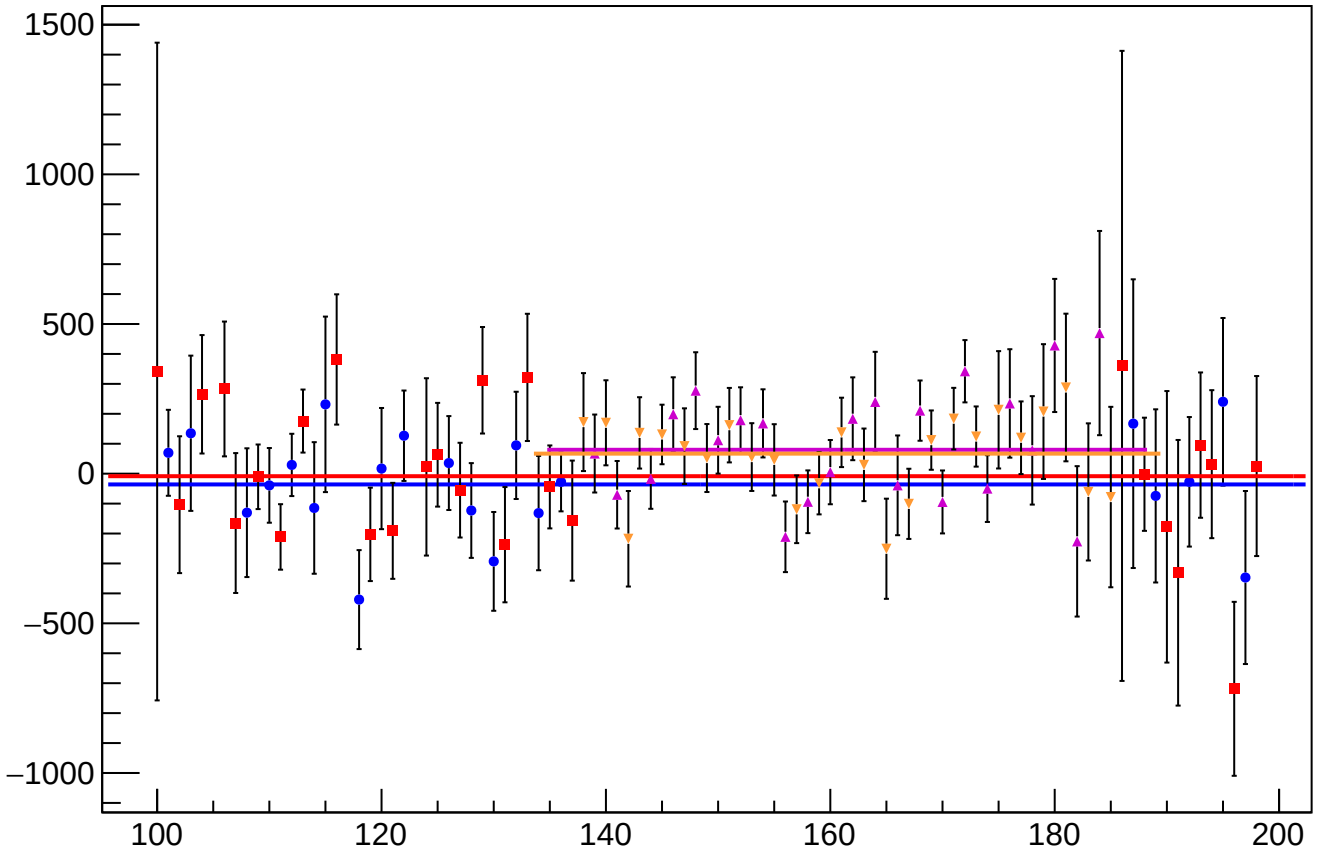
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1198.129+/-0.194 χ^2/NDF: 8232347.5/47

In: 860.489+/-0.120 χ^2/NDF:6014083.8/43

Out: 867.903+/-0.116 χ^2/NDF:8083217.2/51

All: 864.316+/-0.083 χ^2/NDF: 14099275.9/95



Right In: -35.977+/-37.265 χ^2/NDF: 15.2/20

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: -8.453+/-35.769 χ^2/NDF: 31.8/26

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

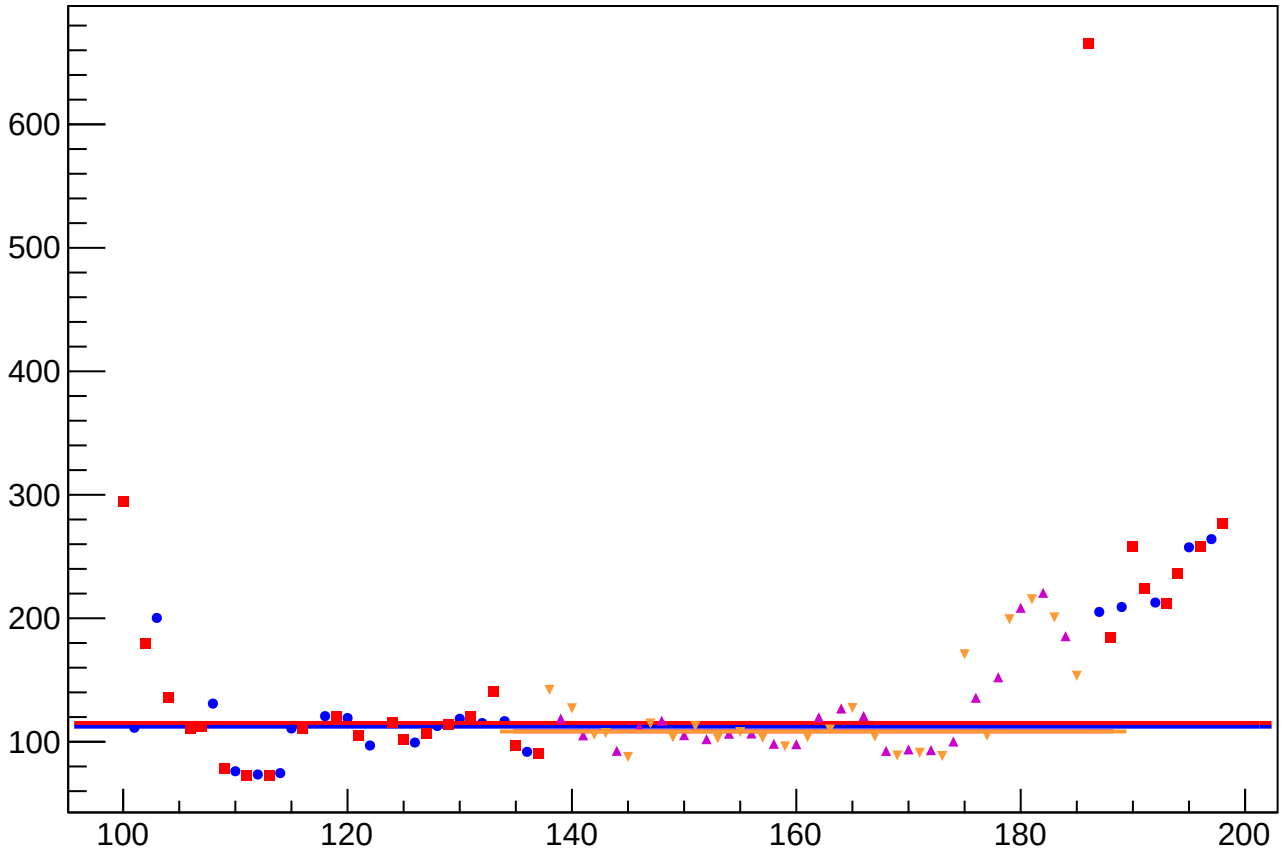
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -21.651+/-25.805 χ^2/NDF: 47.3/47

In: 41.286+/-21.487 χ^2/NDF:58.6/43

Out: 41.395+/-20.809 χ^2/NDF:54.3/51

All: 41.342+/-14.948 χ^2/NDF: 112.9/95



Right In: 112.242+/-0.026 χ^2/NDF: 2701720.8/20

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

Right Out: 115.233+/-0.025 χ^2/NDF: 4205053.4/26

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

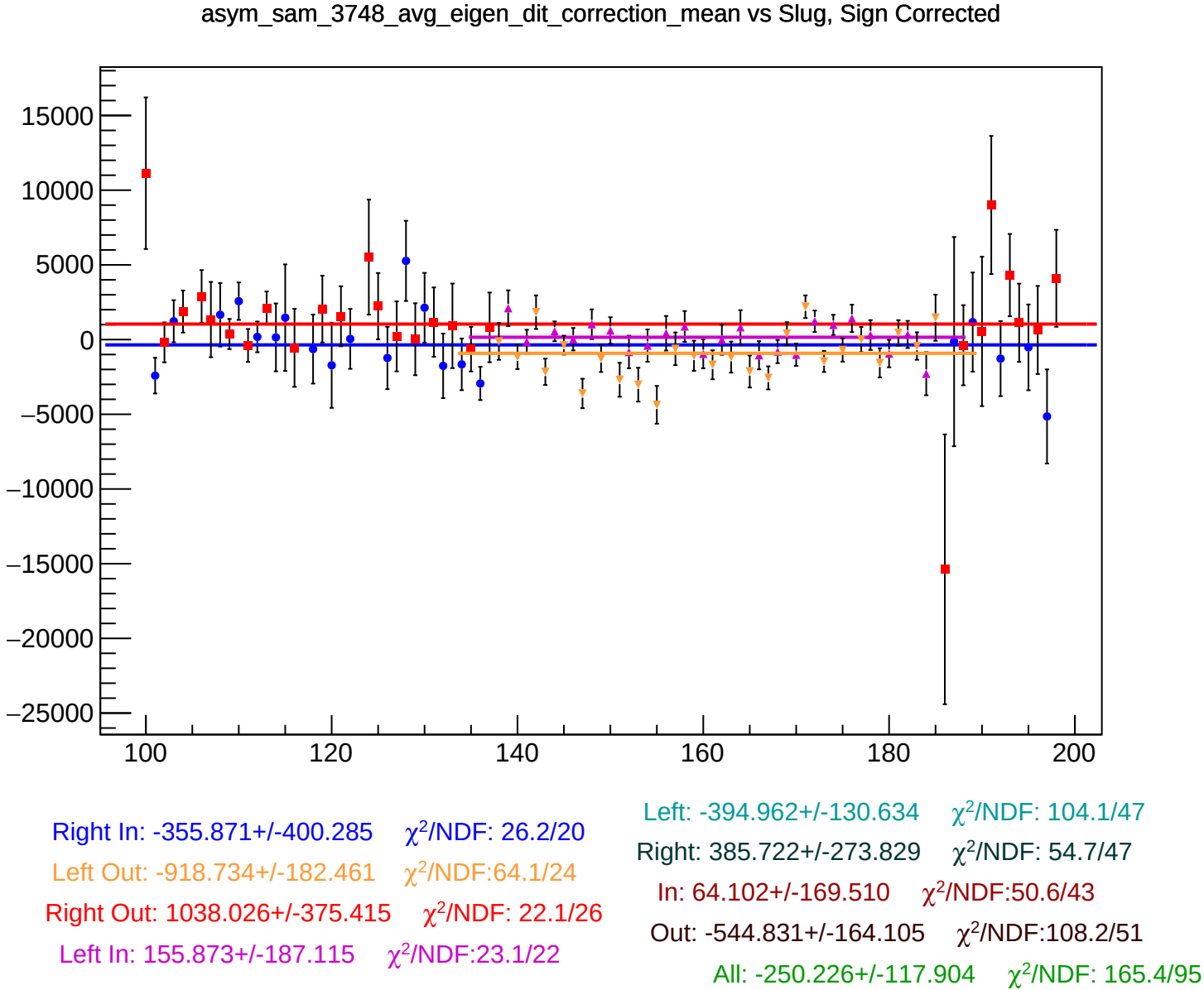
Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

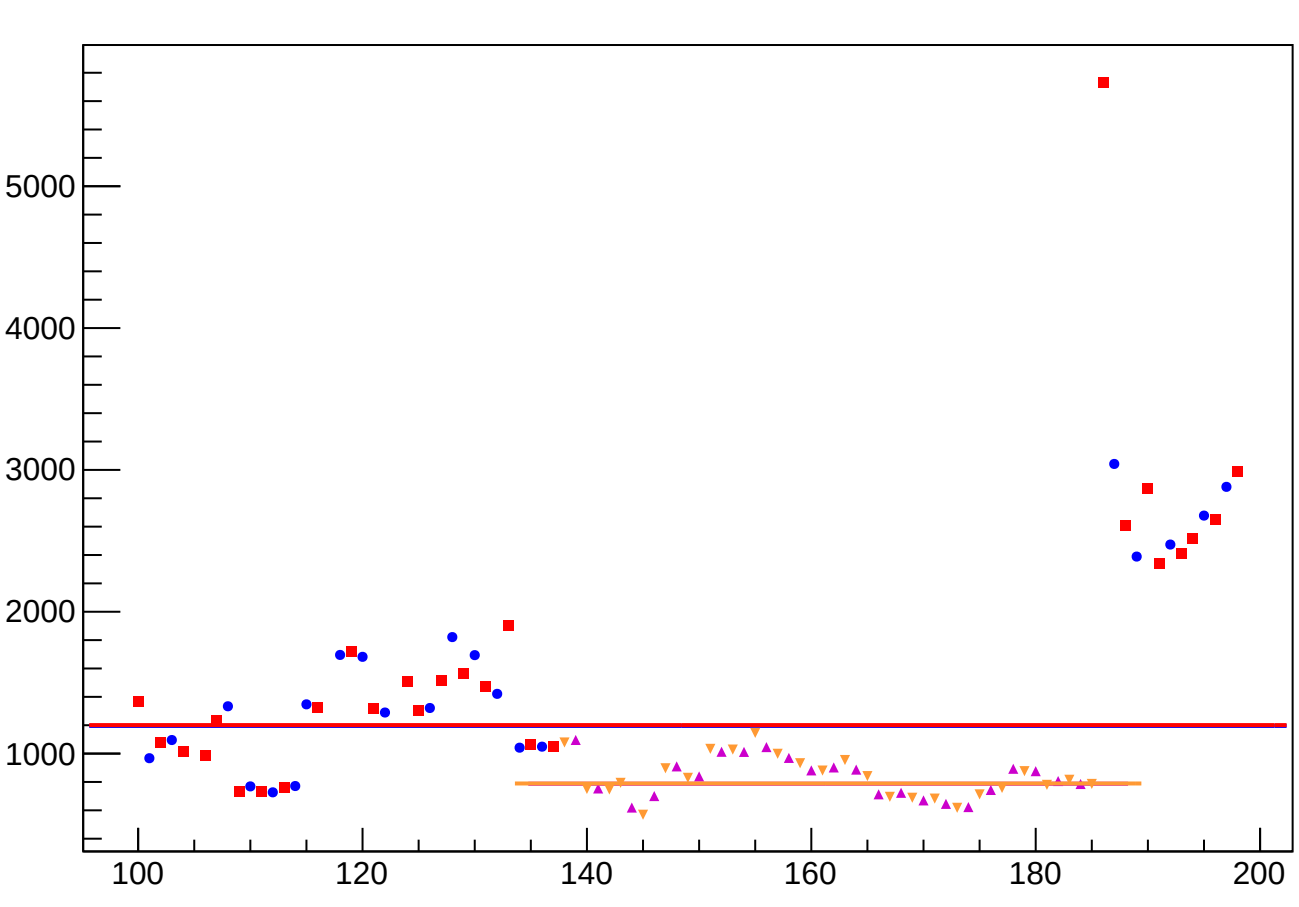
Right: 113.799+/-0.018 χ^2/NDF: 6913478.7/47

In: 109.739+/-0.015 χ^2/NDF:4094614.8/43

Out: 110.667+/-0.015 χ^2/NDF:6028917.0/51

All: 110.218+/-0.011 χ^2/NDF: 10125453.8/95


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: -355.871+/-400.285 χ²/NDF: 26.2/20
Left Out: -918.734+/-182.461 χ²/NDF:64.1/24
Right Out: 1038.026+/-375.415 χ²/NDF: 22.1/26
Left In: 155.873+/-187.115 χ²/NDF:23.1/22
Left: -394.962+/-130.634 χ²/NDF: 104.1/47
Right: 385.722+/-273.829 χ²/NDF: 54.7/47
In: 64.102+/-169.510 χ²/NDF:50.6/43
Out: -544.831+/-164.105 χ²/NDF:108.2/51
All: -250.226+/-117.904 χ²/NDF: 165.4/95



Right In: 1195.013+/-0.283 χ^2/NDF: 3270614.7/20

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1200.866+/-0.265 χ^2/NDF: 4961516.1/26

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

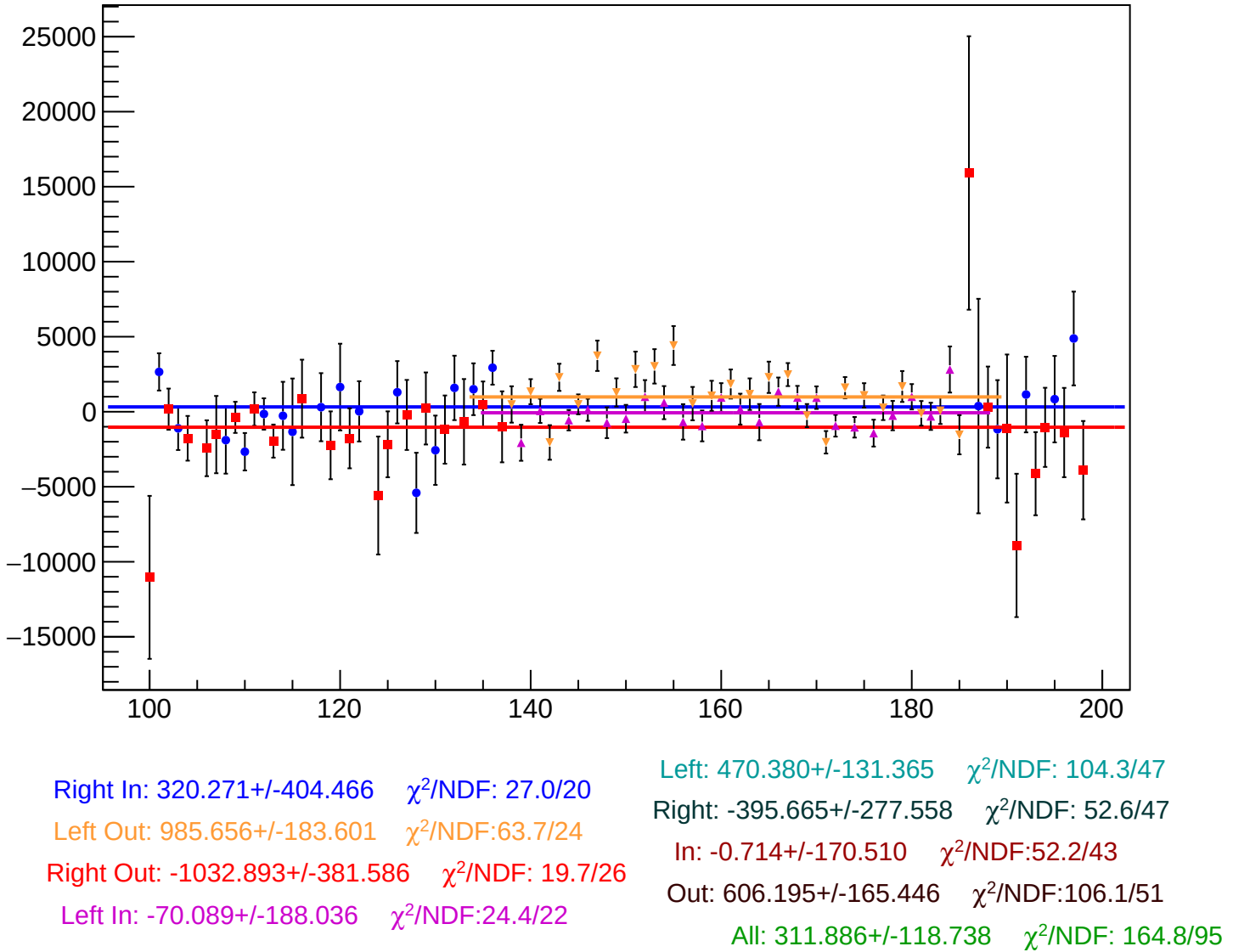
Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

Right: 1198.127+/-0.194 χ^2/NDF: 8232358.3/47

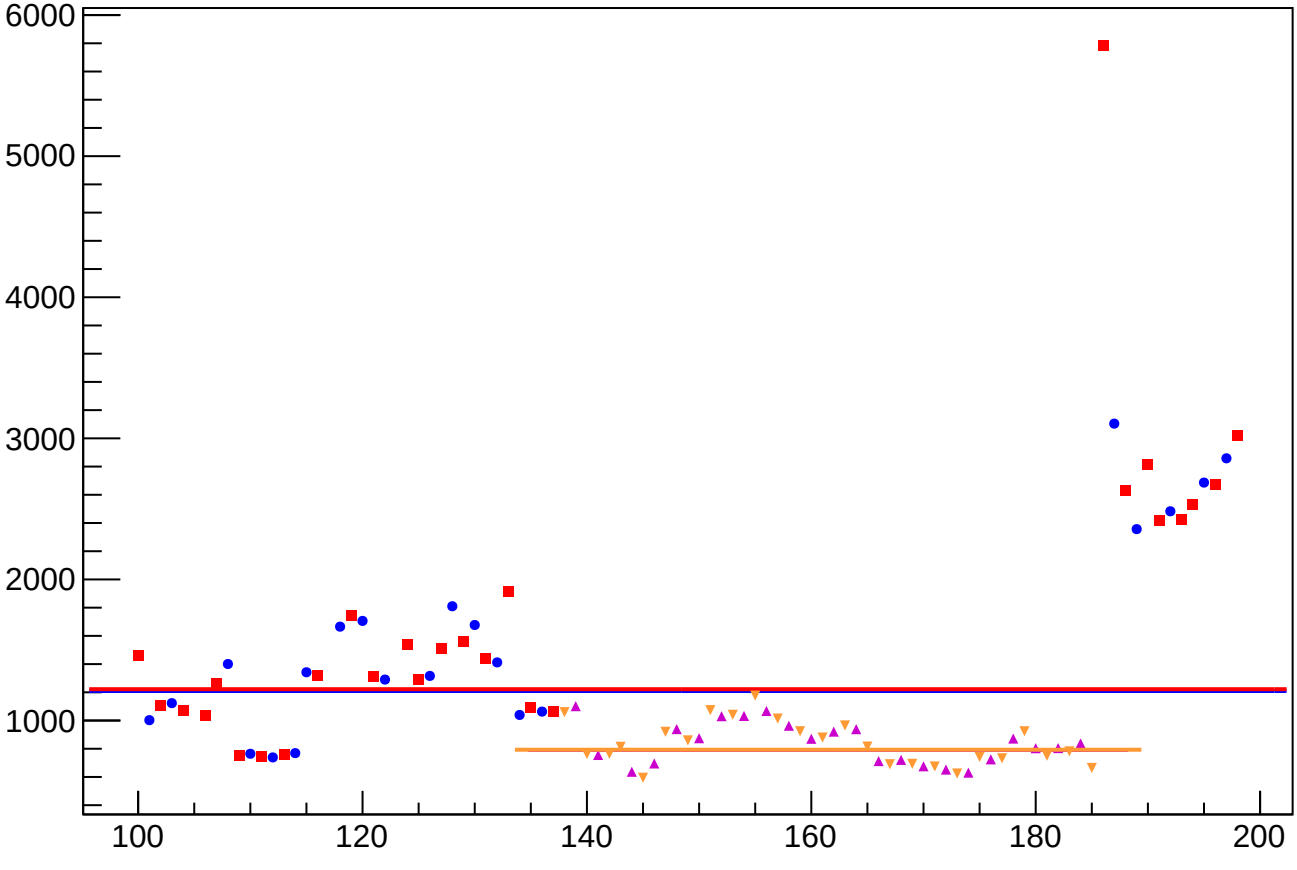
In: 860.487+/-0.120 χ^2/NDF:6014090.4/43

Out: 867.901+/-0.116 χ^2/NDF:8083224.7/51

All: 864.314+/-0.083 χ^2/NDF: 14099290.0/95


asym_sam_3748_avg_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 320.271+/-404.466 χ²/NDF: 27.0/20
Left Out: 985.656+/-183.601 χ²/NDF:63.7/24
Right Out: -1032.893+/-381.586 χ²/NDF: 19.7/26
Left In: -70.089+/-188.036 χ²/NDF:24.4/22
Left: 470.380+/-131.365 χ²/NDF: 104.3/47
Right: -395.665+/-277.558 χ²/NDF: 52.6/47
In: -0.714+/-170.510 χ²/NDF:52.2/43
Out: 606.195+/-165.446 χ²/NDF:106.1/51
All: 311.886+/-118.738 χ²/NDF: 164.8/95

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1209.182+/-0.286 χ^2/NDF: 3197602.7/20

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

Right Out: 1222.108+/-0.270 χ^2/NDF: 4873246.3/26

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

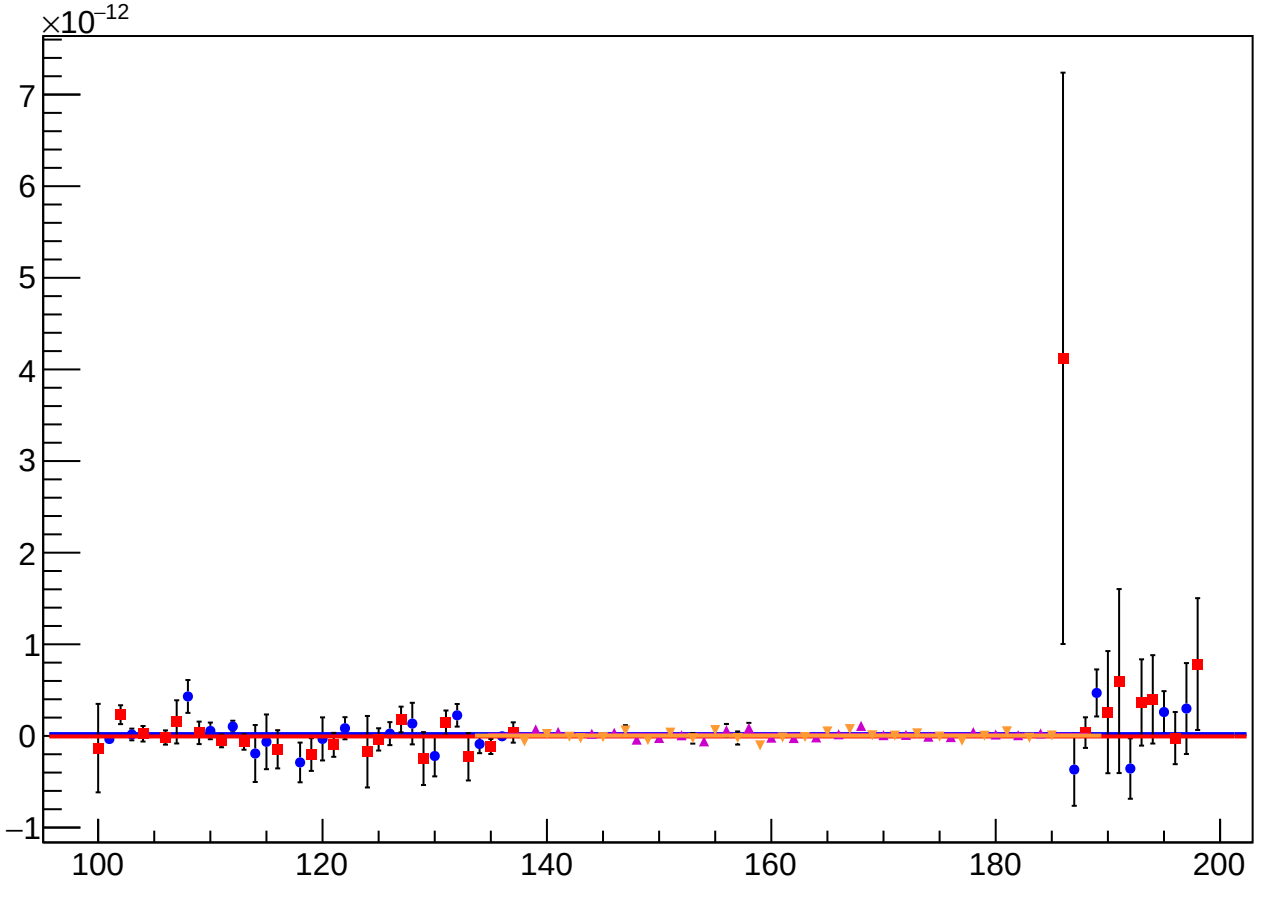
Right: 1216.021+/-0.196 χ^2/NDF: 8071929.8/47

In: 865.447+/-0.121 χ^2/NDF:6003391.3/43

Out: 873.708+/-0.117 χ^2/NDF:8120449.6/51

All: 869.702+/-0.084 χ^2/NDF: 14126259.0/95

asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/26

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

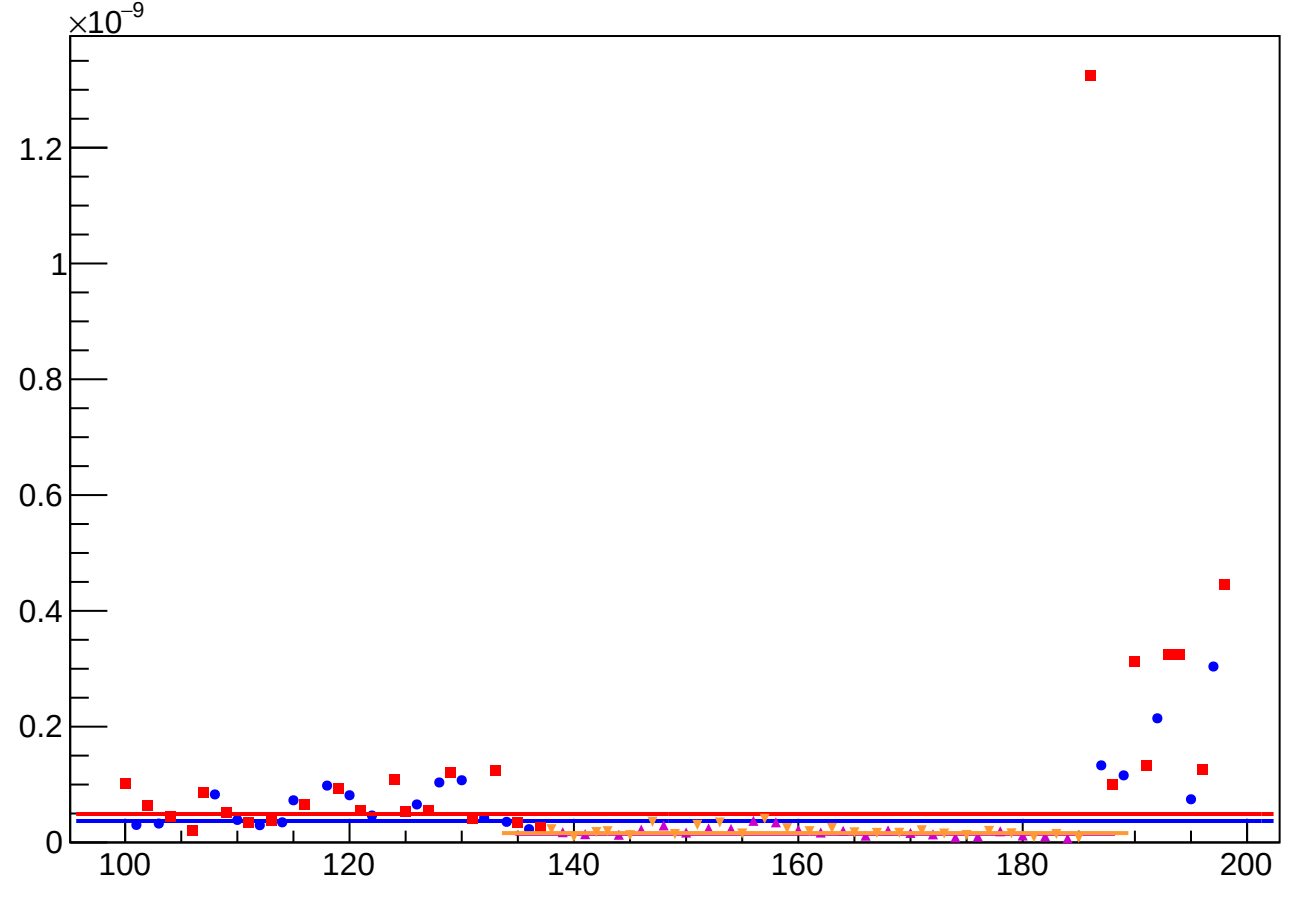
Left: 0.000+/-0.000 χ^2/NDF: 60.1/47

Right: 0.000+/-0.000 χ^2/NDF: 45.0/47

In: 0.000+/-0.000 χ^2/NDF:49.1/43

Out: 0.000+/-0.000 χ^2/NDF:54.8/51

All: 0.000+/-0.000 χ^2/NDF: 105.1/95



Right In: 0.000+/-0.000 χ^2/NDF: 2731678.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4076004.5/26

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

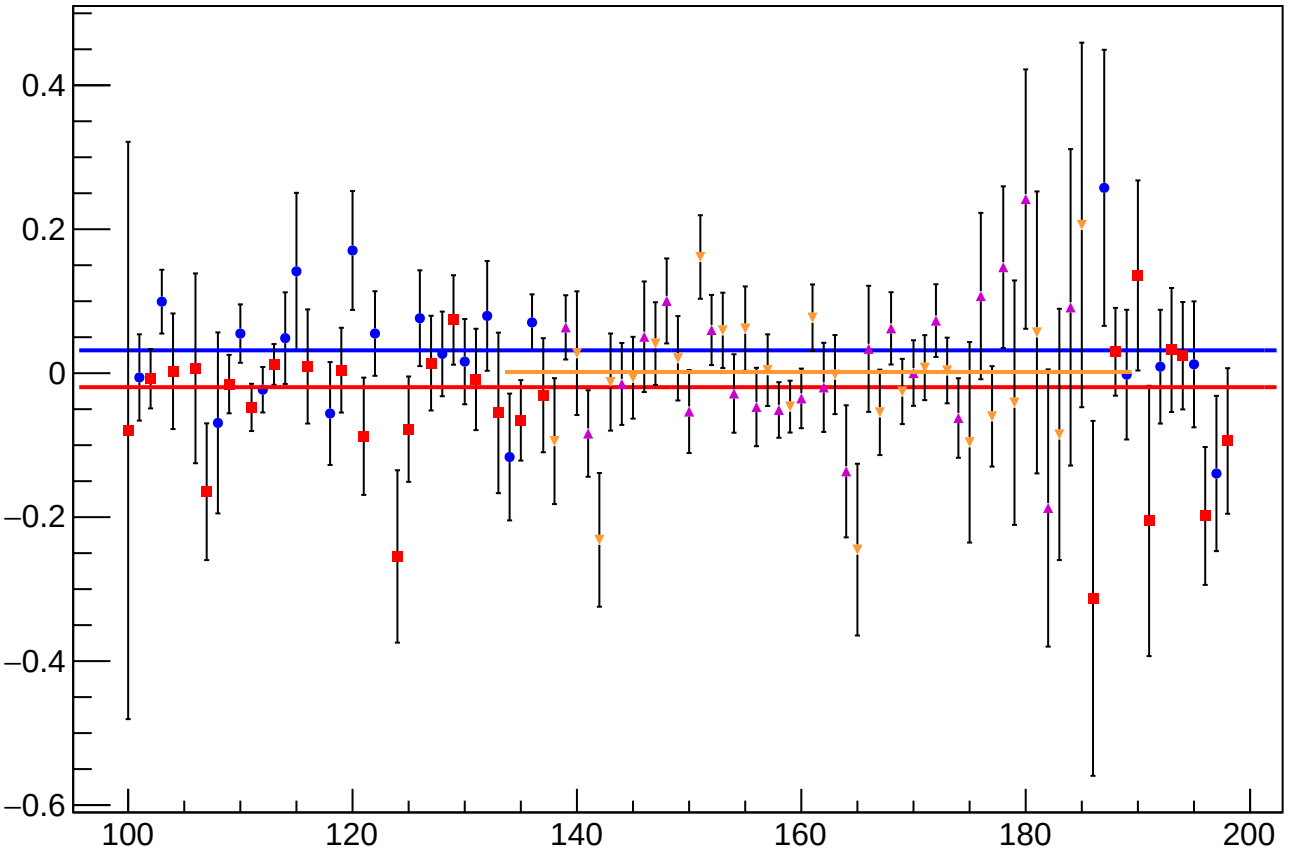
Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

Right: 0.000+/-0.000 χ^2/NDF: 7060012.2/47

In: 0.000+/-0.000 χ^2/NDF:6341553.7/43

Out: 0.000+/-0.000 χ^2/NDF:8759922.4/51

All: 0.000+/-0.000 χ^2/NDF: 15152608.6/95



Right In: 0.032+/-0.013 χ^2/NDF: 21.2/20

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.019+/-0.012 χ^2/NDF: 22.5/26

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

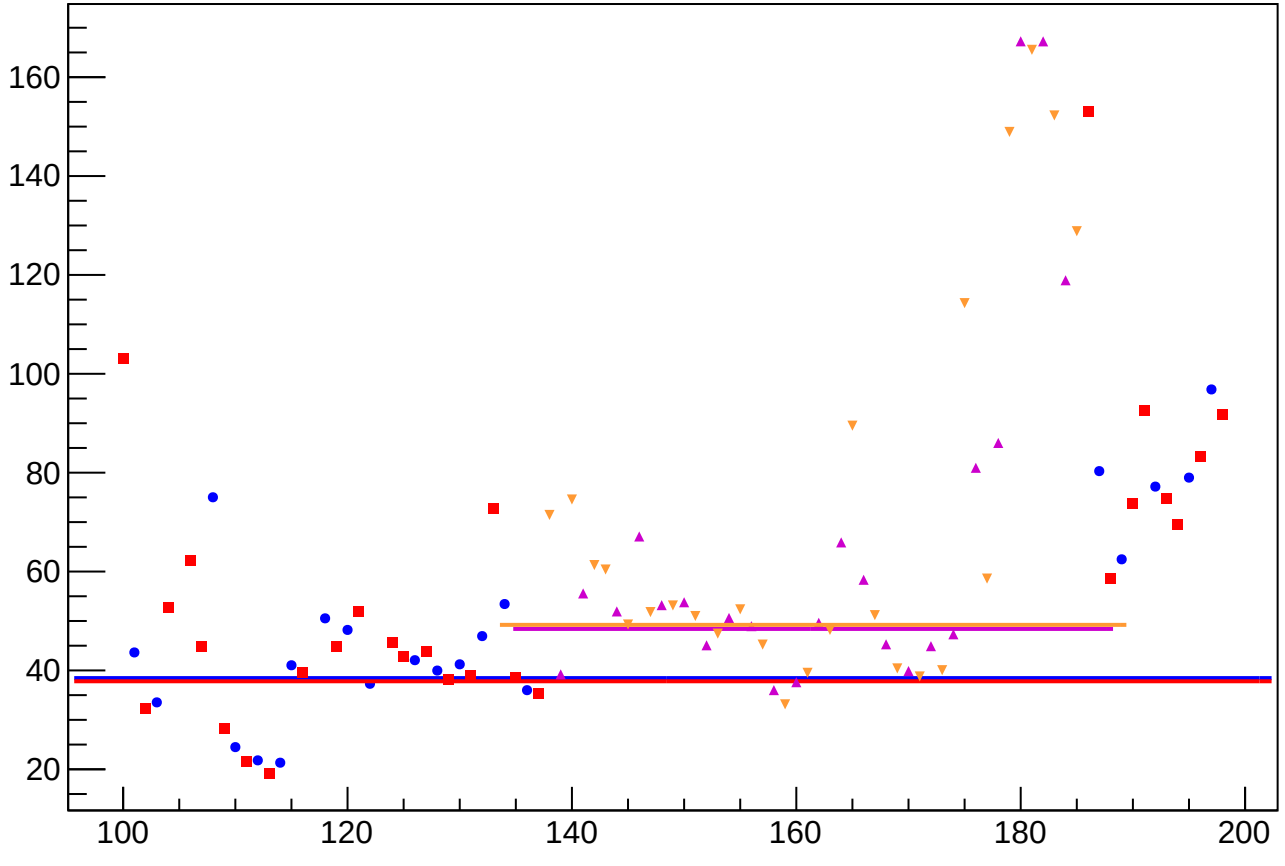
Right: 0.004+/-0.009 χ^2/NDF: 51.8/47

In: 0.016+/-0.009 χ^2/NDF:50.0/43

Out: -0.009+/-0.009 χ^2/NDF:54.4/51

All: 0.003+/-0.006 χ^2/NDF: 108.3/95

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.448+/-0.009 χ^2/NDF: 3069654.1/20

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 37.804+/-0.009 χ^2/NDF: 4767626.5/26

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

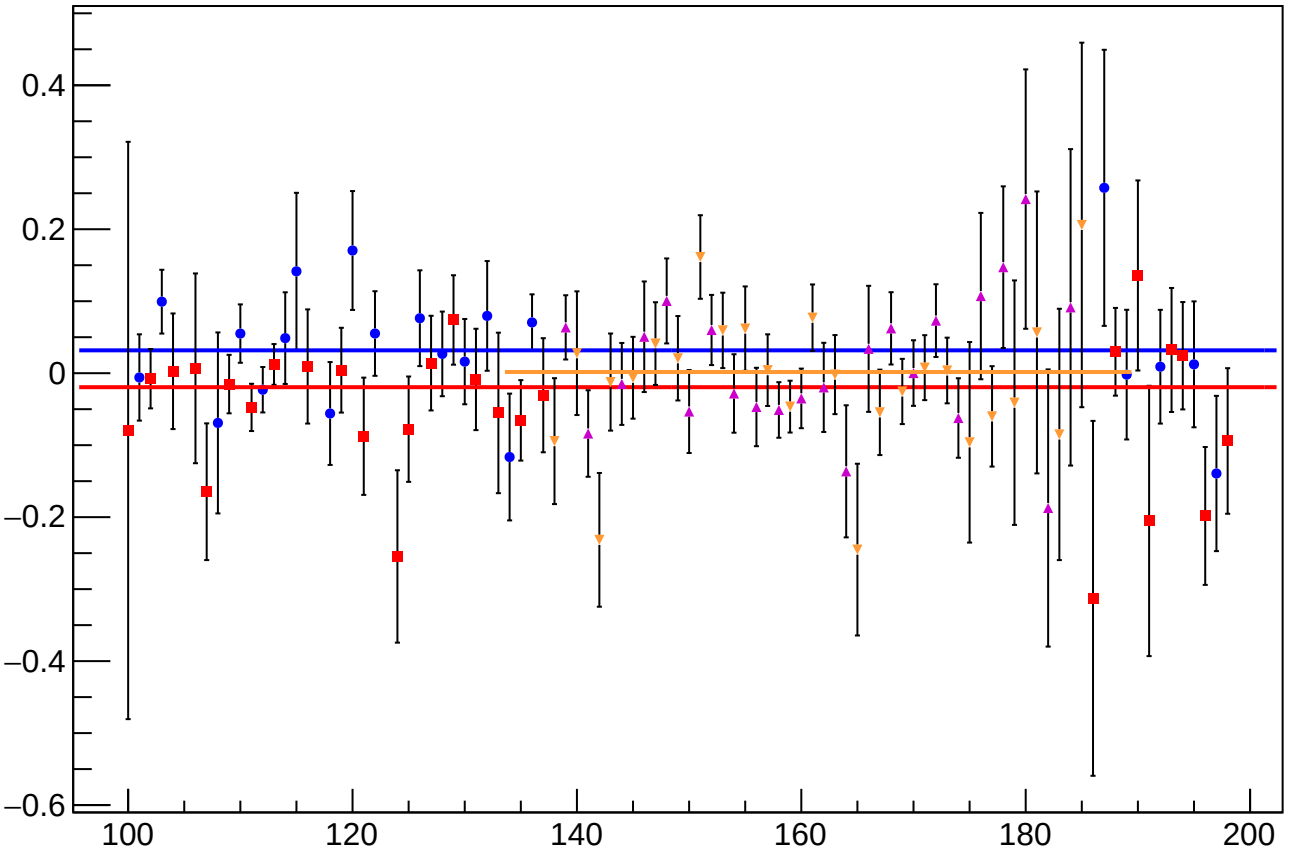
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 38.100+/-0.006 χ^2/NDF: 7839831.5/47

In: 43.755+/-0.006 χ^2/NDF:6705631.5/43

Out: 43.473+/-0.006 χ^2/NDF:9806092.1/51

All: 43.608+/-0.004 χ^2/NDF: 16512737.9/95



Right In: 0.032+/-0.013 χ^2/NDF: 21.2/20

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.019+/-0.012 χ^2/NDF: 22.5/26

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

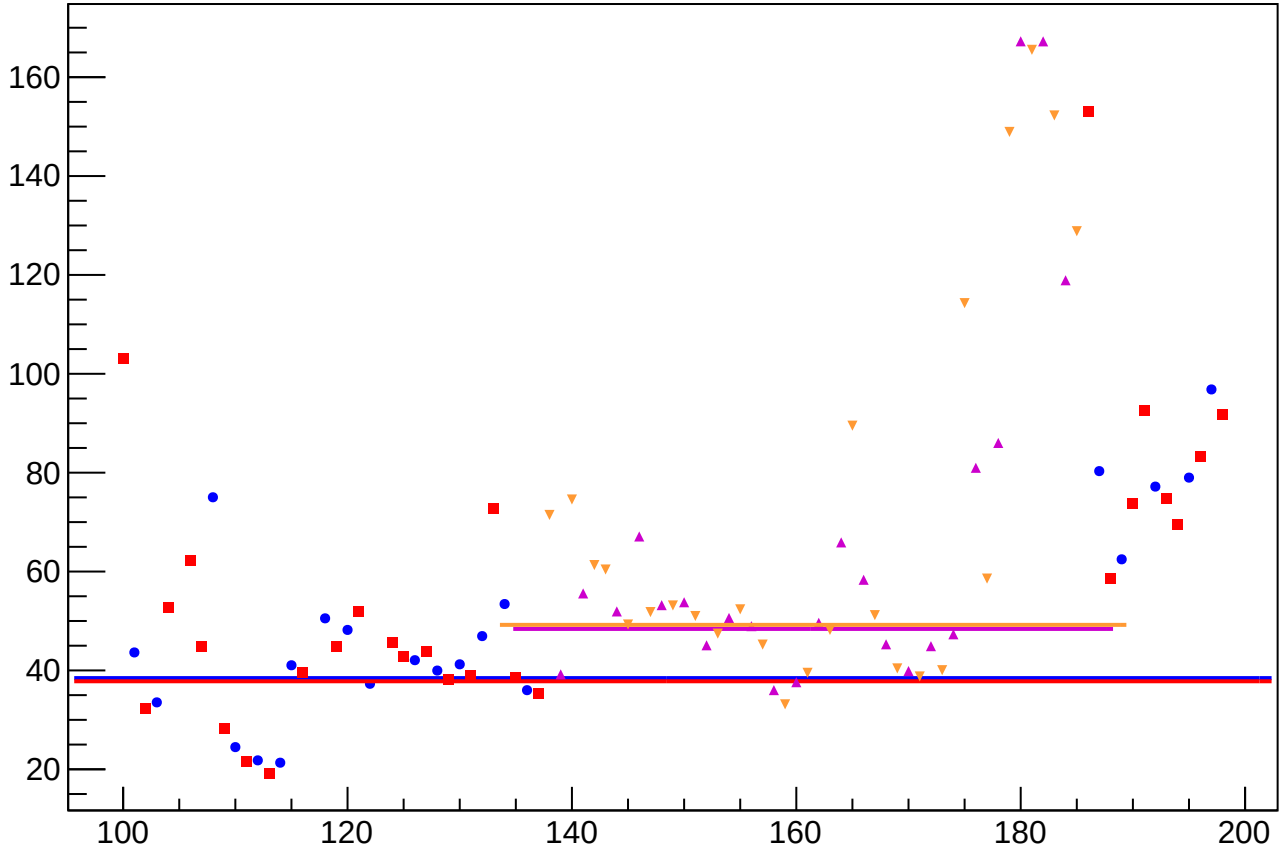
Right: 0.004+/-0.009 χ^2/NDF: 51.8/47

In: 0.016+/-0.009 χ^2/NDF:50.0/43

Out: -0.009+/-0.009 χ^2/NDF:54.4/51

All: 0.003+/-0.006 χ^2/NDF: 108.3/95

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.448+/-0.009 χ^2/NDF: 3069654.1/20

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 37.804+/-0.009 χ^2/NDF: 4767626.5/26

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

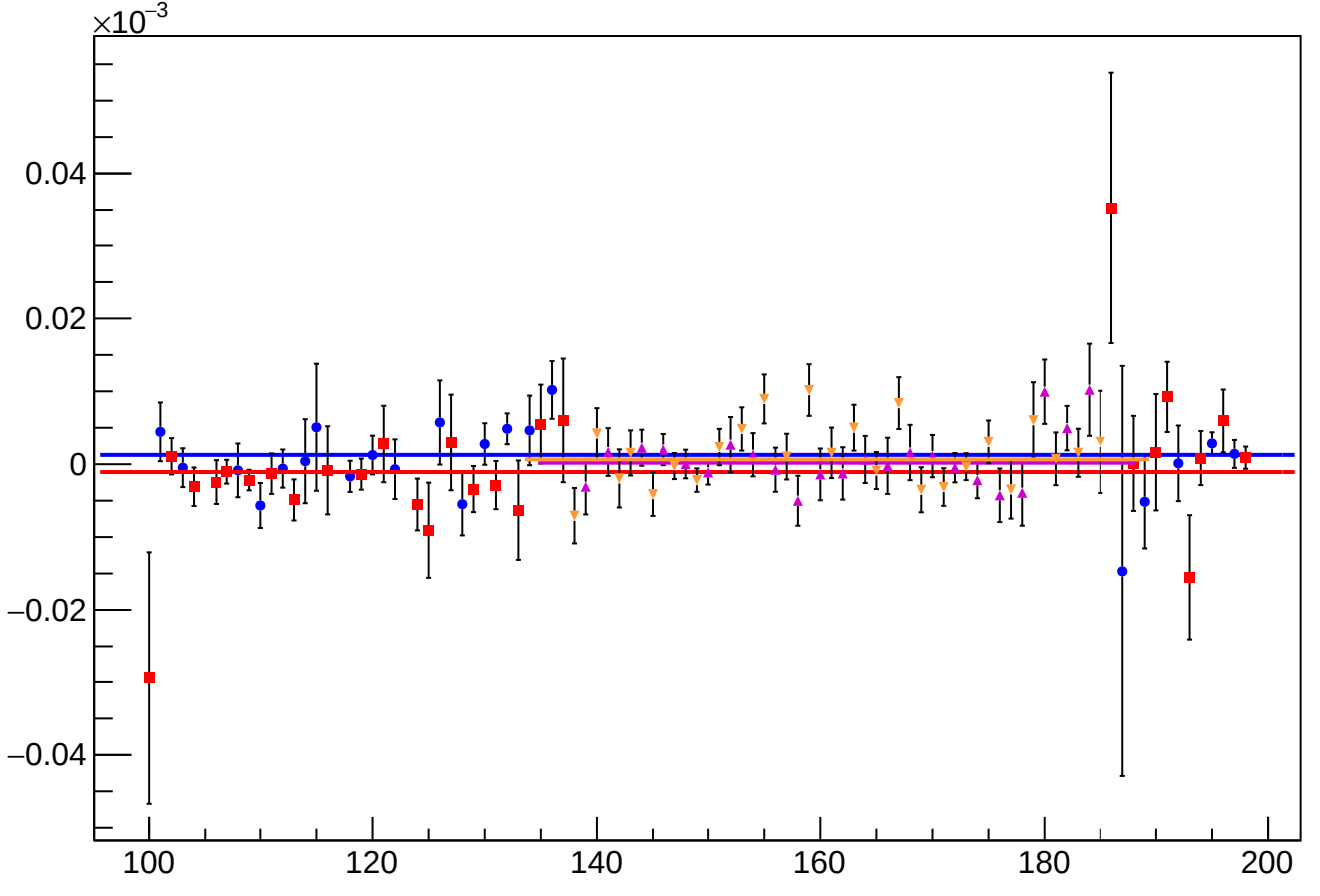
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 38.100+/-0.006 χ^2/NDF: 7839831.5/47

In: 43.755+/-0.006 χ^2/NDF:6705631.5/43

Out: 43.473+/-0.006 χ^2/NDF:9806092.1/51

All: 43.608+/-0.004 χ^2/NDF: 16512737.9/95



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/26

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

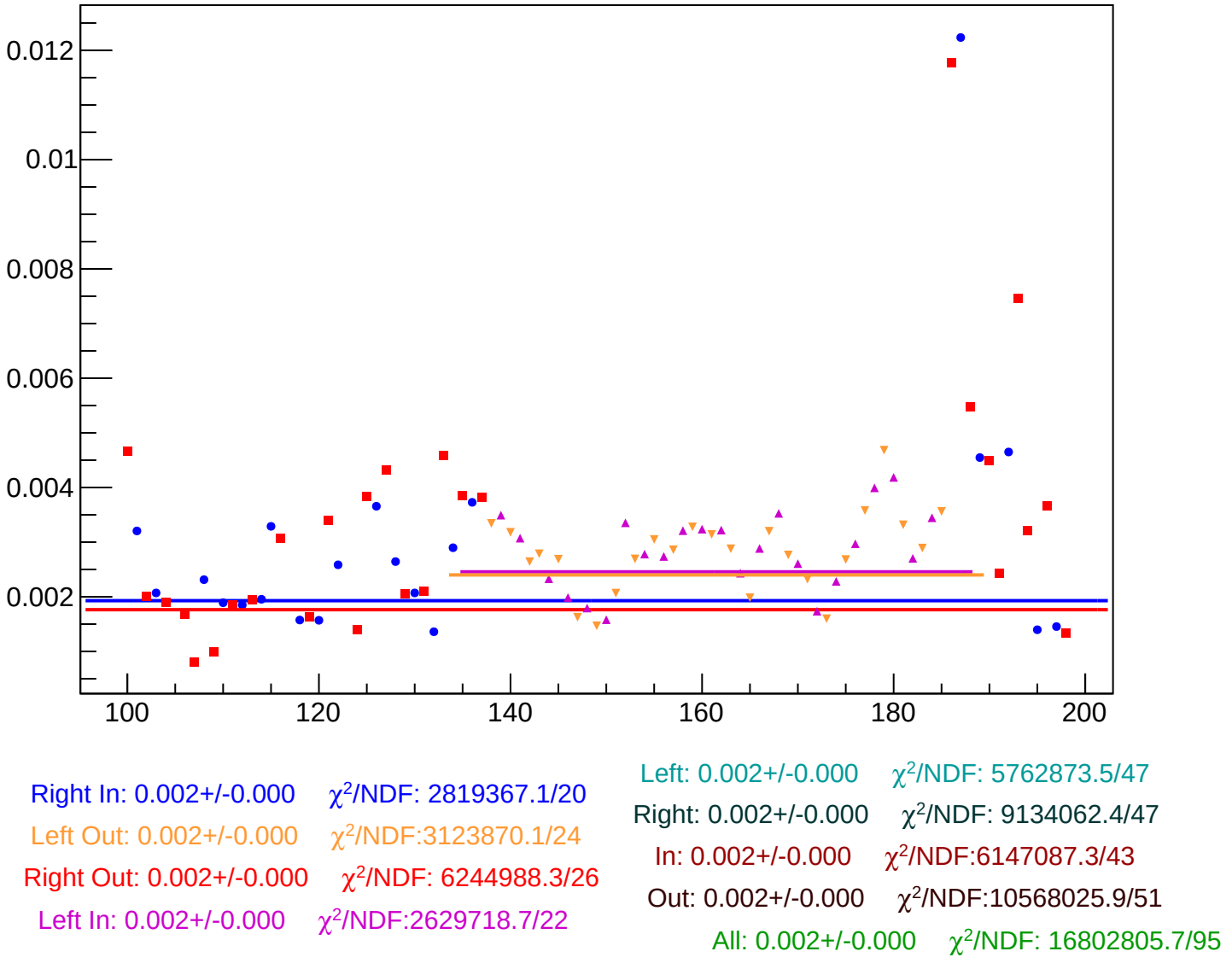
Left: 0.000+/-0.000 χ^2/NDF: 61.7/47

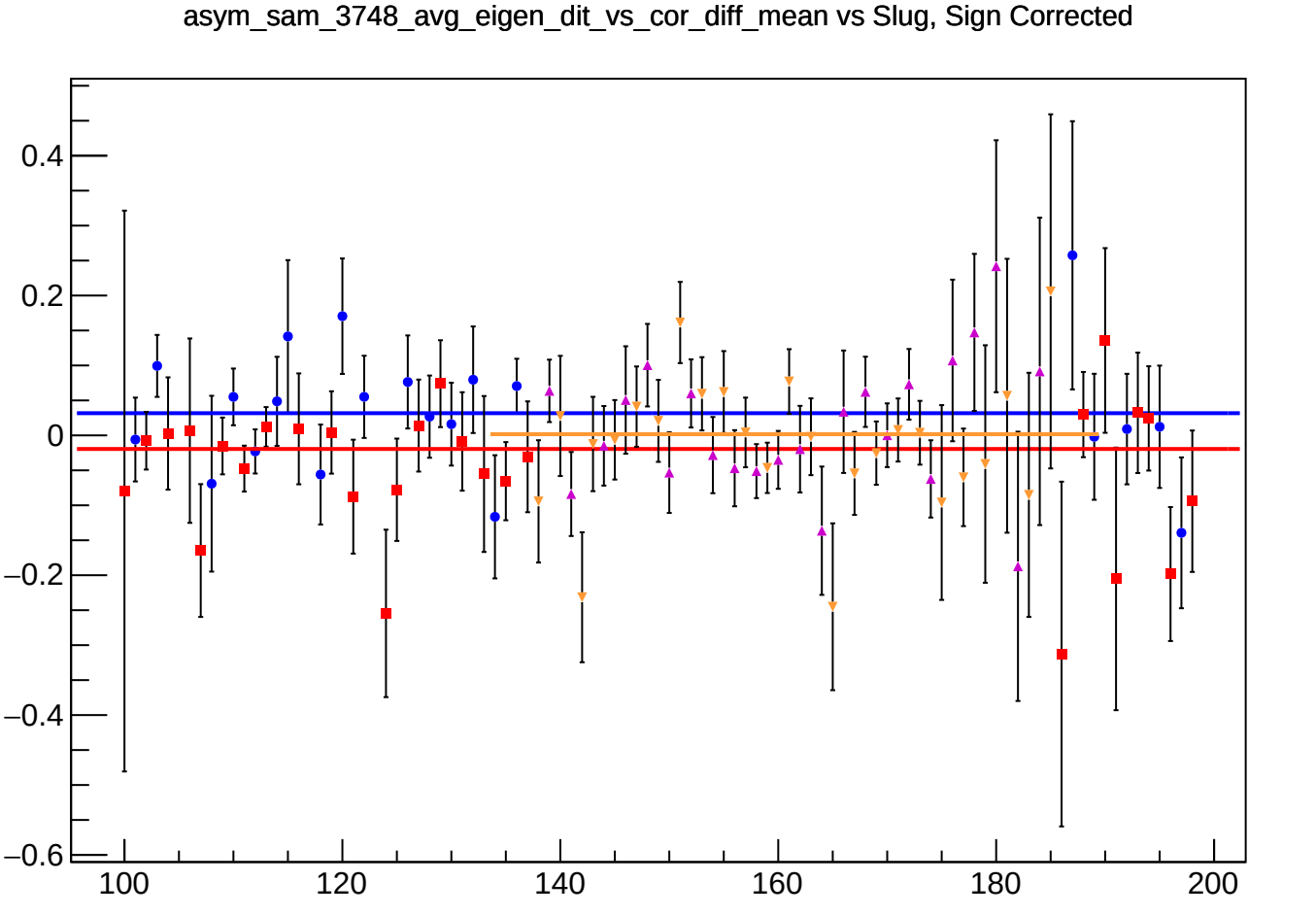
Right: -0.000+/-0.000 χ^2/NDF: 60.9/47

In: 0.000+/-0.000 χ^2/NDF:44.7/43

Out: -0.000+/-0.000 χ^2/NDF:76.4/51

All: 0.000+/-0.000 χ^2/NDF: 123.3/95


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 2819367.1/20
Left Out: 0.002+/-0.000 χ²/NDF:3123870.1/24
Right Out: 0.002+/-0.000 χ²/NDF: 6244988.3/26
Left In: 0.002+/-0.000 χ²/NDF:2629718.7/22
Left: 0.002+/-0.000 χ²/NDF: 5762873.5/47
Right: 0.002+/-0.000 χ²/NDF: 9134062.4/47
In: 0.002+/-0.000 χ²/NDF:6147087.3/43
Out: 0.002+/-0.000 χ²/NDF:10568025.9/51
All: 0.002+/-0.000 χ²/NDF: 16802805.7/95



Right In: 0.032+/-0.013 χ^2/NDF: 21.2/20

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.019+/-0.012 χ^2/NDF: 22.5/26

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

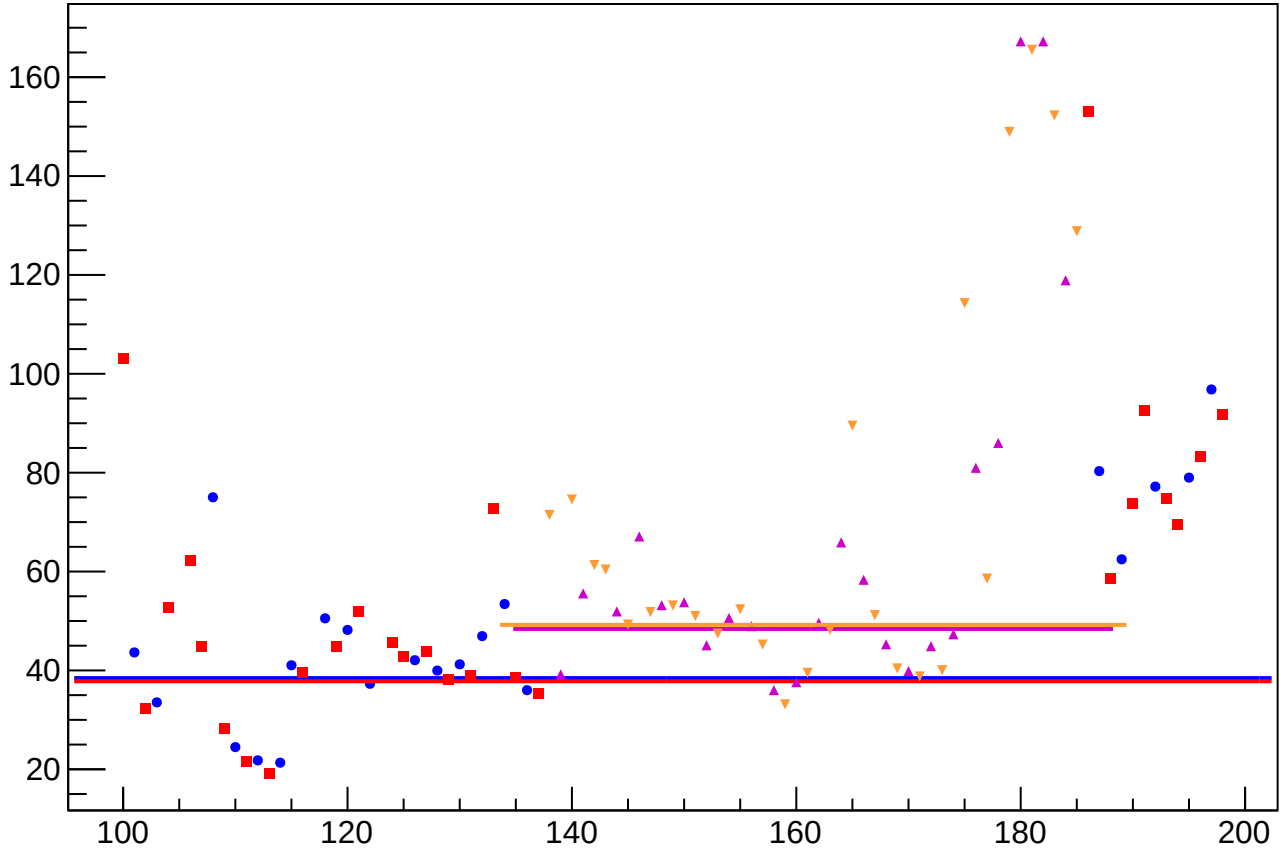
Right: 0.004+/-0.009 χ^2/NDF: 51.8/47

In: 0.016+/-0.009 χ^2/NDF:50.0/43

Out: -0.009+/-0.009 χ^2/NDF:54.4/51

All: 0.003+/-0.006 χ^2/NDF: 108.3/95

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.448+/-0.009 χ^2/NDF: 3069563.2/20

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 37.805+/-0.009 χ^2/NDF: 4767576.9/26

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

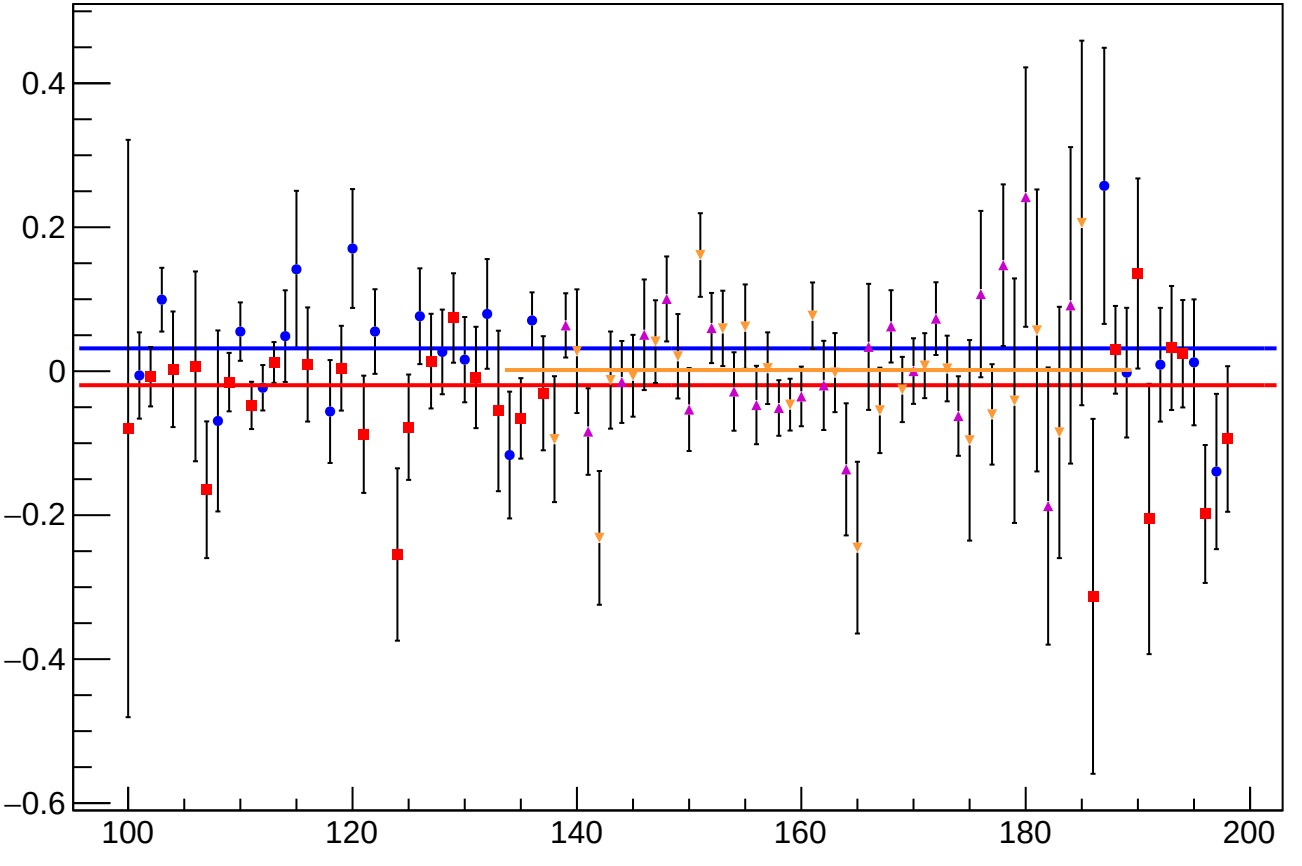
Right: 38.101+/-0.006 χ^2/NDF: 7839690.3/47

In: 43.755+/-0.006 χ^2/NDF:6705520.3/43

Out: 43.474+/-0.006 χ^2/NDF:9806014.3/51

All: 43.609+/-0.004 χ^2/NDF: 16512548.5/95

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.032+/-0.013 χ^2/NDF: 21.2/20

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.019+/-0.012 χ^2/NDF: 22.5/26

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

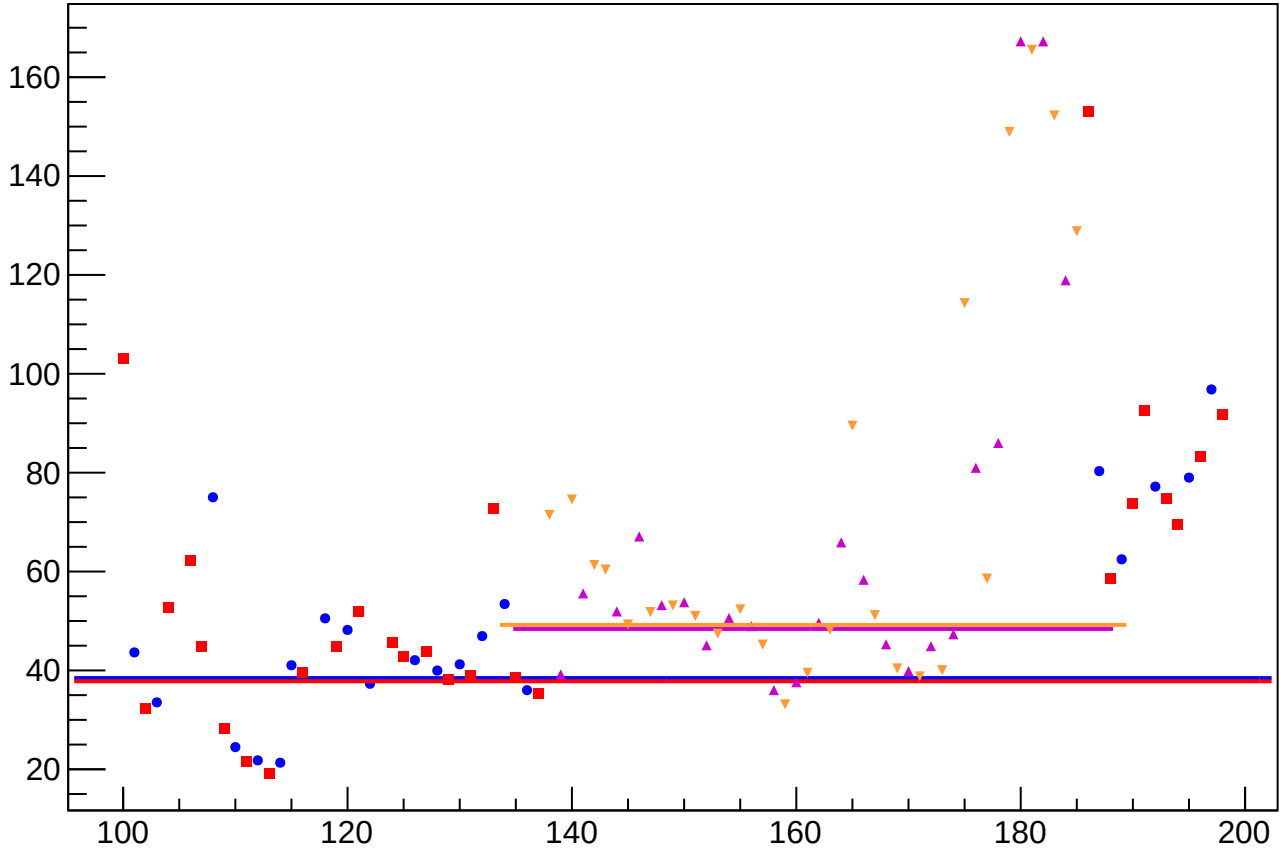
Right: 0.004+/-0.009 χ^2/NDF: 51.8/47

In: 0.016+/-0.009 χ^2/NDF:50.0/43

Out: -0.009+/-0.009 χ^2/NDF:54.4/51

All: 0.003+/-0.006 χ^2/NDF: 108.3/95

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.448+/-0.009 χ^2/NDF: 3069563.2/20

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 37.805+/-0.009 χ^2/NDF: 4767576.9/26

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

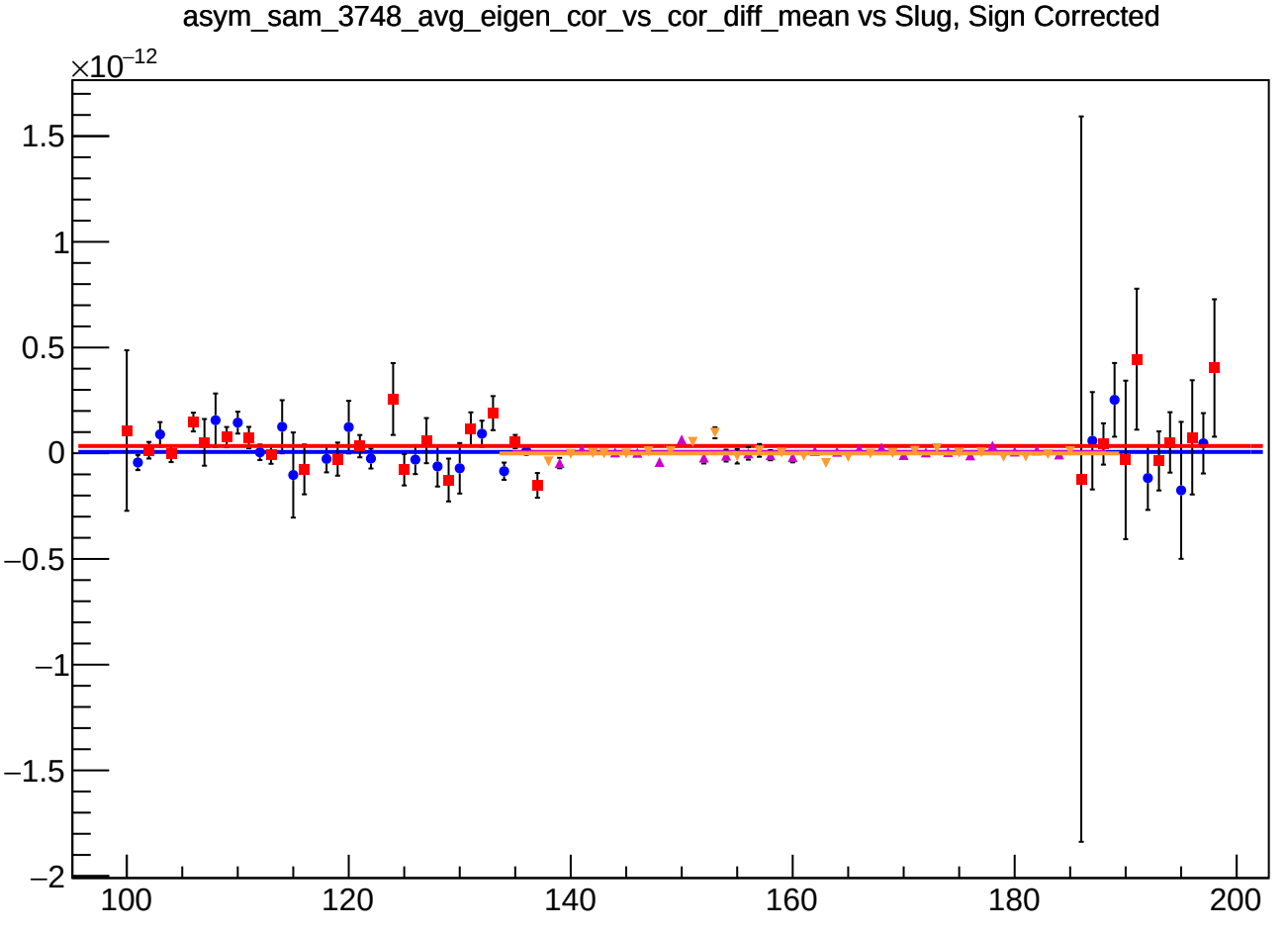
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 38.101+/-0.006 χ^2/NDF: 7839690.3/47

In: 43.755+/-0.006 χ^2/NDF:6705520.3/43

Out: 43.474+/-0.006 χ^2/NDF:9806014.3/51

All: 43.609+/-0.004 χ^2/NDF: 16512548.5/95



Right In: 0.000+/-0.000 χ^2/NDF: 26.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.6/26

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

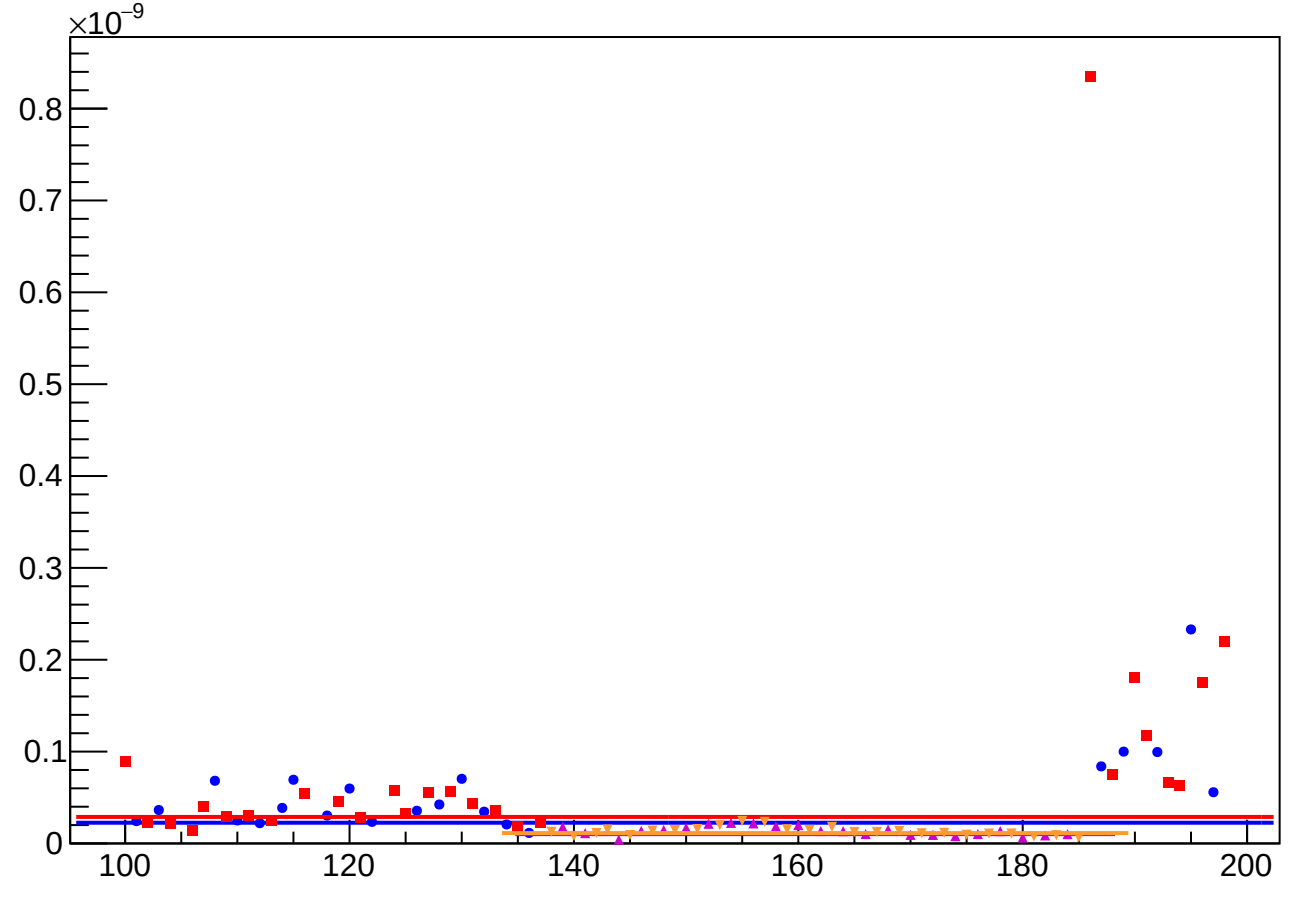
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: 0.000+/-0.000 χ^2/NDF: 66.0/47

In: 0.000+/-0.000 χ^2/NDF:55.1/43

Out: 0.000+/-0.000 χ^2/NDF:80.6/51

All: 0.000+/-0.000 χ^2/NDF: 136.6/95



Right In: 0.000+/-0.000 χ^2/NDF: 4120008.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4171572.3/26

Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

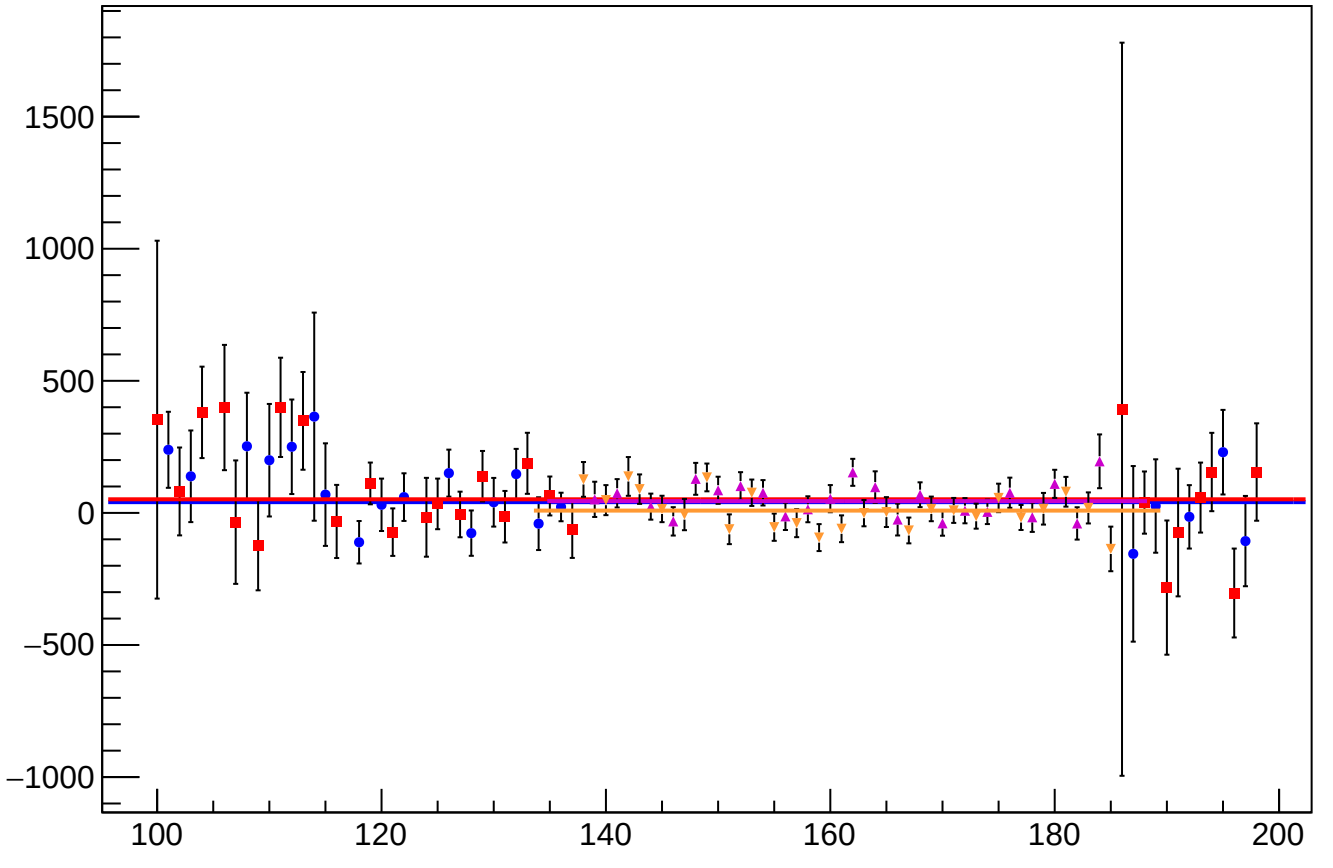
Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

Right: 0.000+/-0.000 χ^2/NDF: 8565258.1/47

In: 0.000+/-0.000 χ^2/NDF:10385732.8/43

Out: 0.000+/-0.000 χ^2/NDF:9932248.1/51

All: 0.000+/-0.000 χ^2/NDF: 20497663.4/95



Right In: 40.741+/-24.338 χ^2/NDF: 17.7/20

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: 51.551+/-24.581 χ^2/NDF: 27.8/26

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

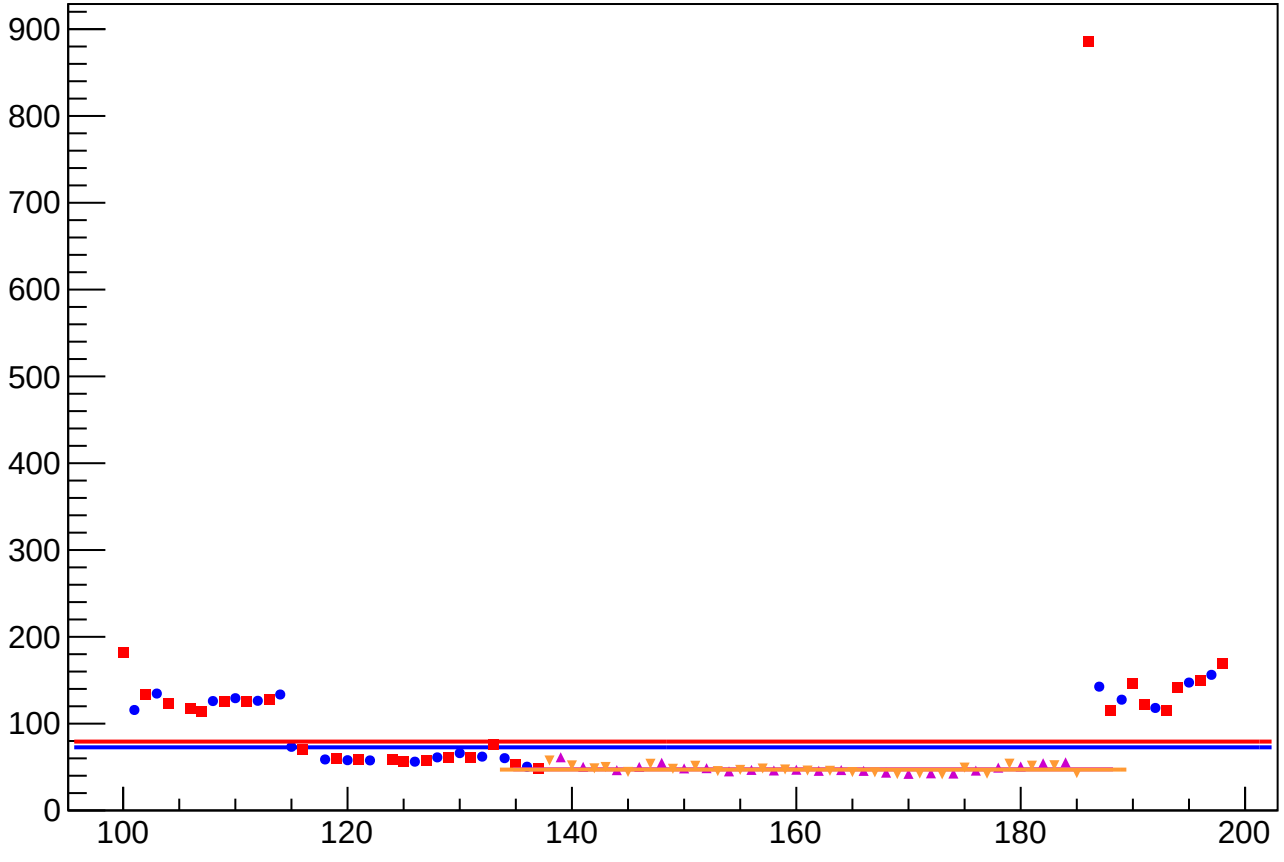
Right: 46.092+/-17.295 χ^2/NDF: 45.6/47

In: 43.882+/-10.136 χ^2/NDF:44.7/43

Out: 15.648+/-9.864 χ^2/NDF:65.0/51

All: 29.382+/-7.069 χ^2/NDF: 113.7/95

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 72.725+/-0.017 χ^2/NDF: 3094173.9/20

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 79.329+/-0.017 χ^2/NDF: 4338385.4/26

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

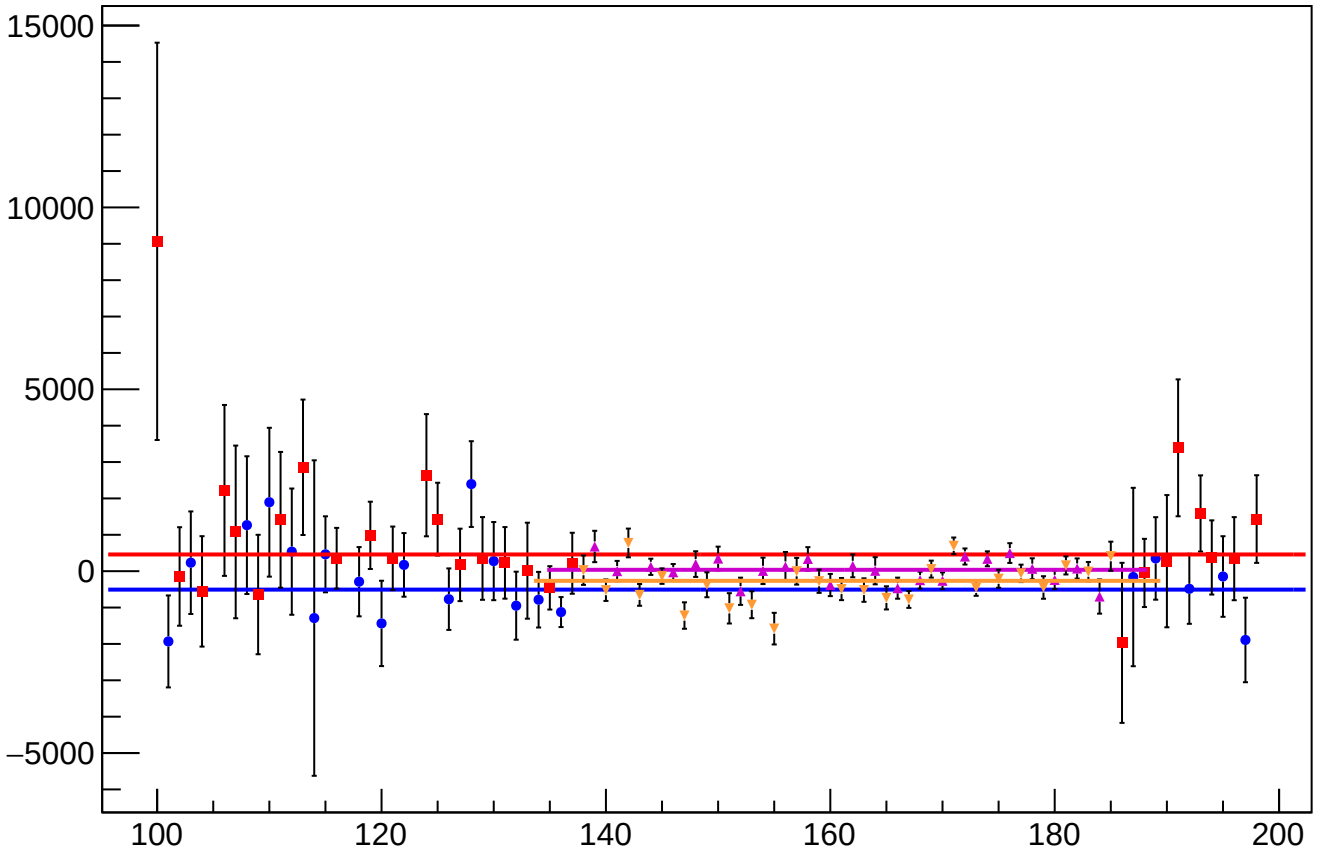
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 75.994+/-0.012 χ^2/NDF: 7505464.9/47

In: 51.779+/-0.007 χ^2/NDF:5157476.3/43

Out: 52.260+/-0.007 χ^2/NDF:7516992.7/51

All: 52.026+/-0.005 χ^2/NDF: 12676786.1/95



Right In: -507.016+/-216.212 χ^2/NDF: 17.7/20

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: 459.238+/-221.036 χ^2/NDF: 17.6/26

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

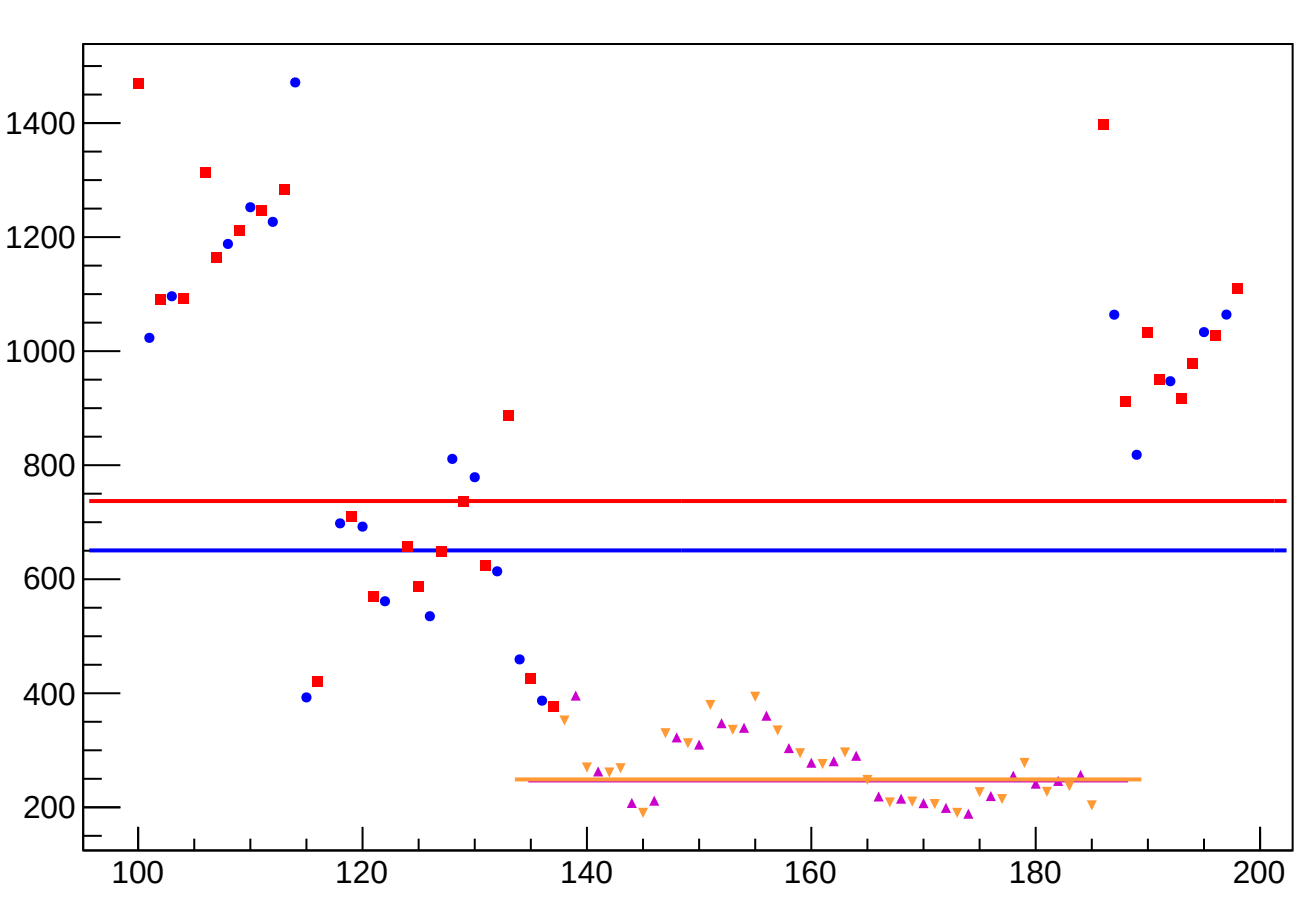
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -34.548+/-154.562 χ^2/NDF: 45.1/47

In: -0.399+/-57.062 χ^2/NDF:50.3/43

Out: -218.938+/-56.129 χ^2/NDF:97.5/51

All: -111.470+/-40.015 χ^2/NDF: 155.2/95



Right In: 650.538+/-0.153 χ^2/NDF: 2981673.6/20

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 737.129+/-0.156 χ^2/NDF: 3167816.5/26

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

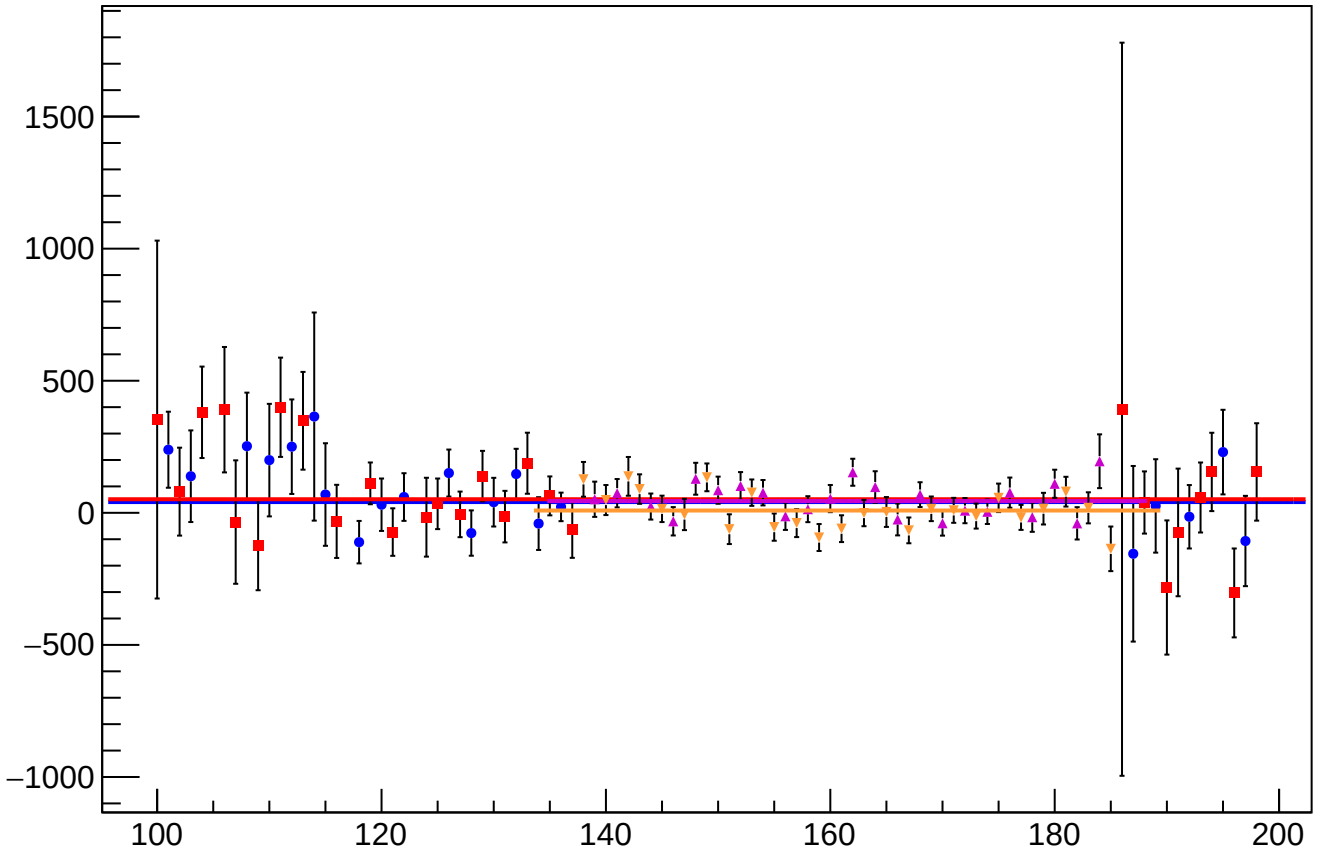
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 692.878+/-0.109 χ^2/NDF: 6306345.5/47

In: 275.209+/-0.040 χ^2/NDF:10944263.6/43

Out: 280.374+/-0.040 χ^2/NDF:13960455.7/51

All: 277.834+/-0.028 χ^2/NDF: 24913049.0/95



Right In: 40.734+/-24.338 χ^2/NDF: 17.7/20

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 51.424+/-24.581 χ^2/NDF: 27.7/26

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

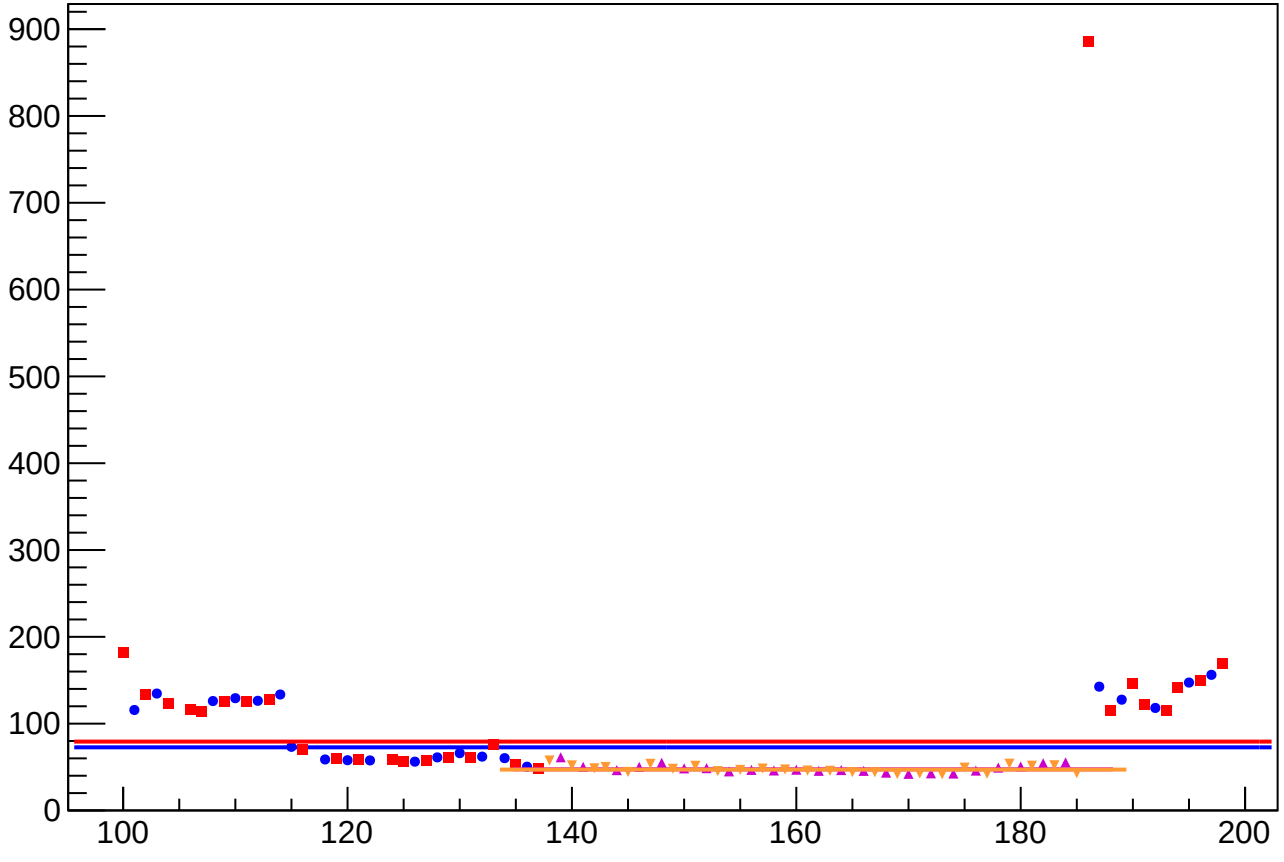
Right: 46.026+/-17.295 χ^2/NDF: 45.5/47

In: 43.880+/-10.136 χ^2/NDF:44.7/43

Out: 15.629+/-9.864 χ^2/NDF:64.9/51

All: 29.371+/-7.069 χ^2/NDF: 113.6/95

cor_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 72.725+/-0.017 χ^2/NDF: 3094176.2/20

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 79.318+/-0.017 χ^2/NDF: 4335876.2/26

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

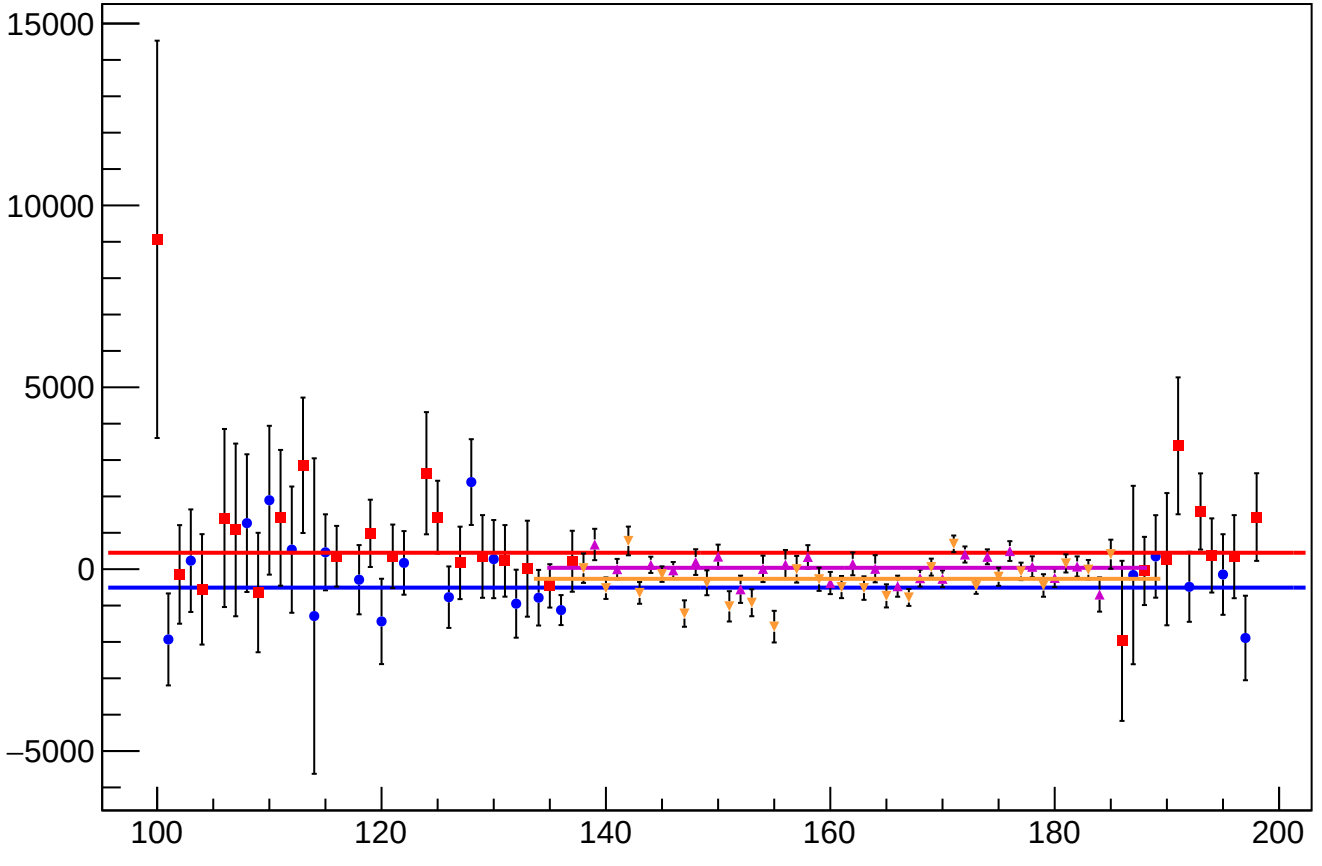
Right: 75.988+/-0.012 χ^2/NDF: 7502702.1/47

In: 51.779+/-0.007 χ^2/NDF:5157478.3/43

Out: 52.258+/-0.007 χ^2/NDF:7512300.6/51

All: 52.025+/-0.005 χ^2/NDF: 12672076.3/95

asym_sam_1526_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.004+/-216.212 χ^2/NDF: 17.7/20

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 451.453+/-221.117 χ^2/NDF: 17.2/26

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

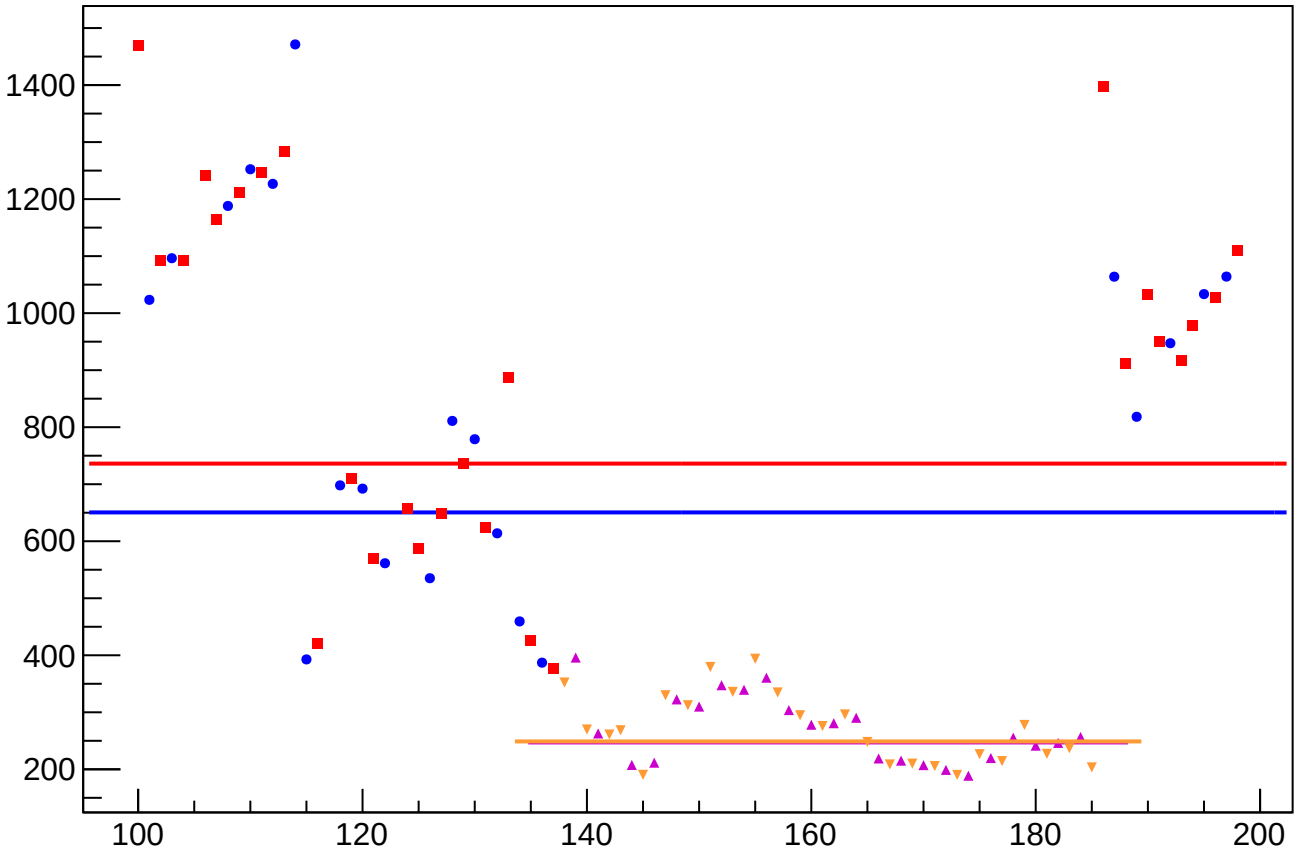
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -38.524+/-154.590 χ^2/NDF: 44.5/47

In: -0.401+/-57.062 χ^2/NDF:50.3/43

Out: -219.468+/-56.130 χ^2/NDF:96.8/51

All: -111.738+/-40.015 χ^2/NDF: 154.6/95



Right In: 650.538+/-0.153 χ^2/NDF: 2981711.8/20

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 736.148+/-0.156 χ^2/NDF: 3132796.2/26

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

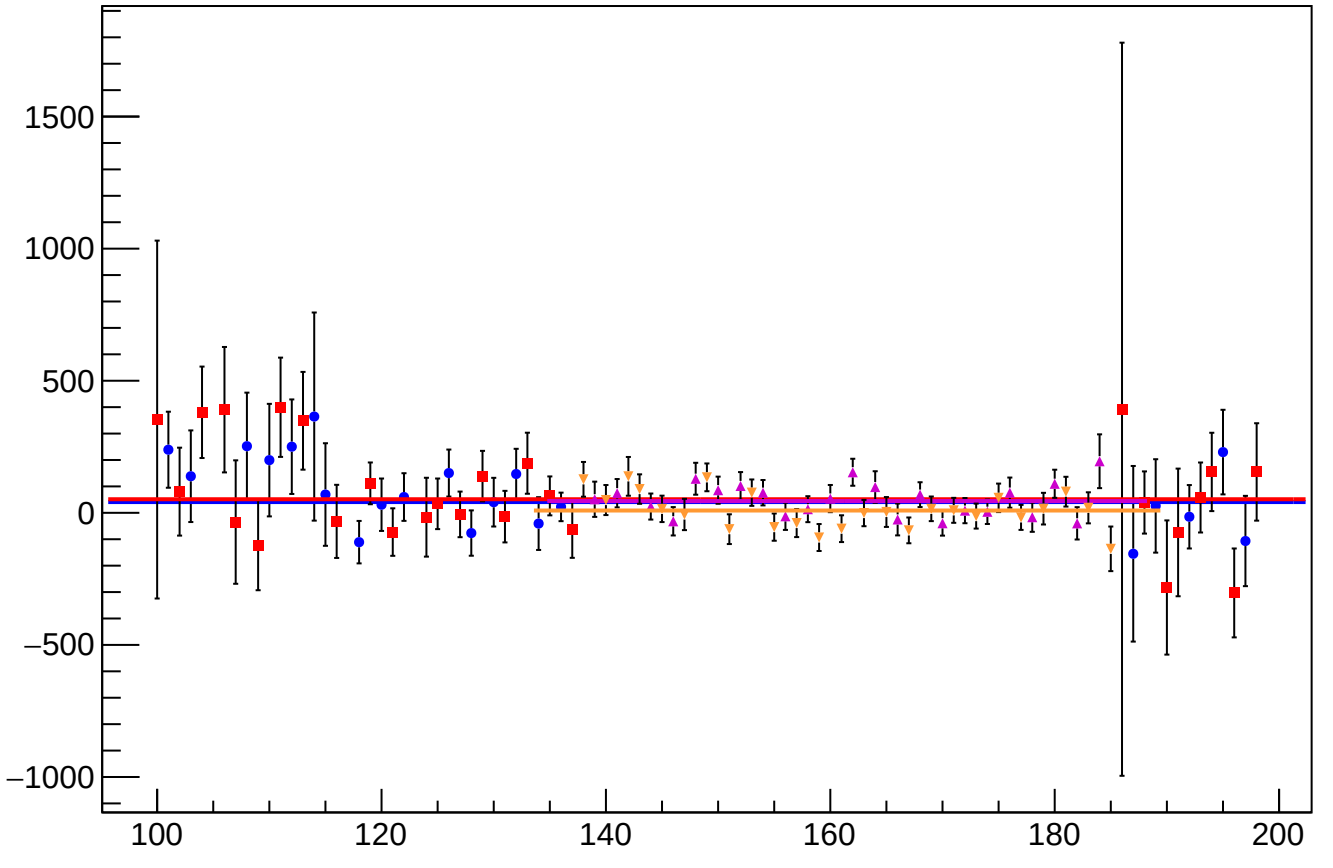
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 692.383+/-0.109 χ^2/NDF: 6267773.9/47

In: 275.209+/-0.040 χ^2/NDF:10944273.9/43

Out: 280.289+/-0.040 χ^2/NDF:13882570.4/51

All: 277.791+/-0.028 χ^2/NDF: 24834901.7/95



Right In: 40.734+/-24.338 χ^2/NDF: 17.7/20

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 51.424+/-24.581 χ^2/NDF: 27.7/26

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

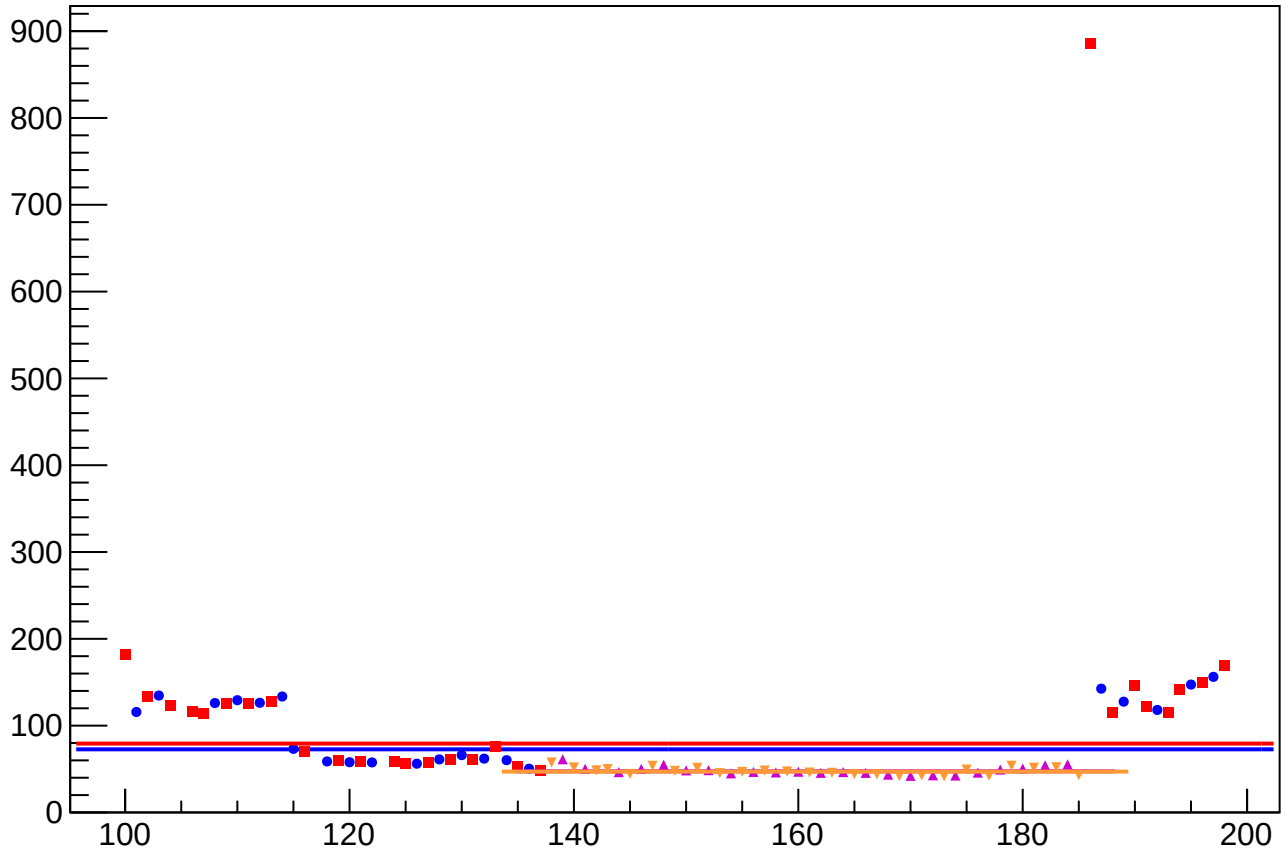
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 46.026+/-17.295 χ^2/NDF: 45.5/47

In: 43.880+/-10.136 χ^2/NDF:44.7/43

Out: 15.629+/-9.864 χ^2/NDF:64.9/51

All: 29.371+/-7.069 χ^2/NDF: 113.6/95



Right In: 72.725+/-0.017 χ^2/NDF: 3094176.2/20

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 79.318+/-0.017 χ^2/NDF: 4335876.2/26

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

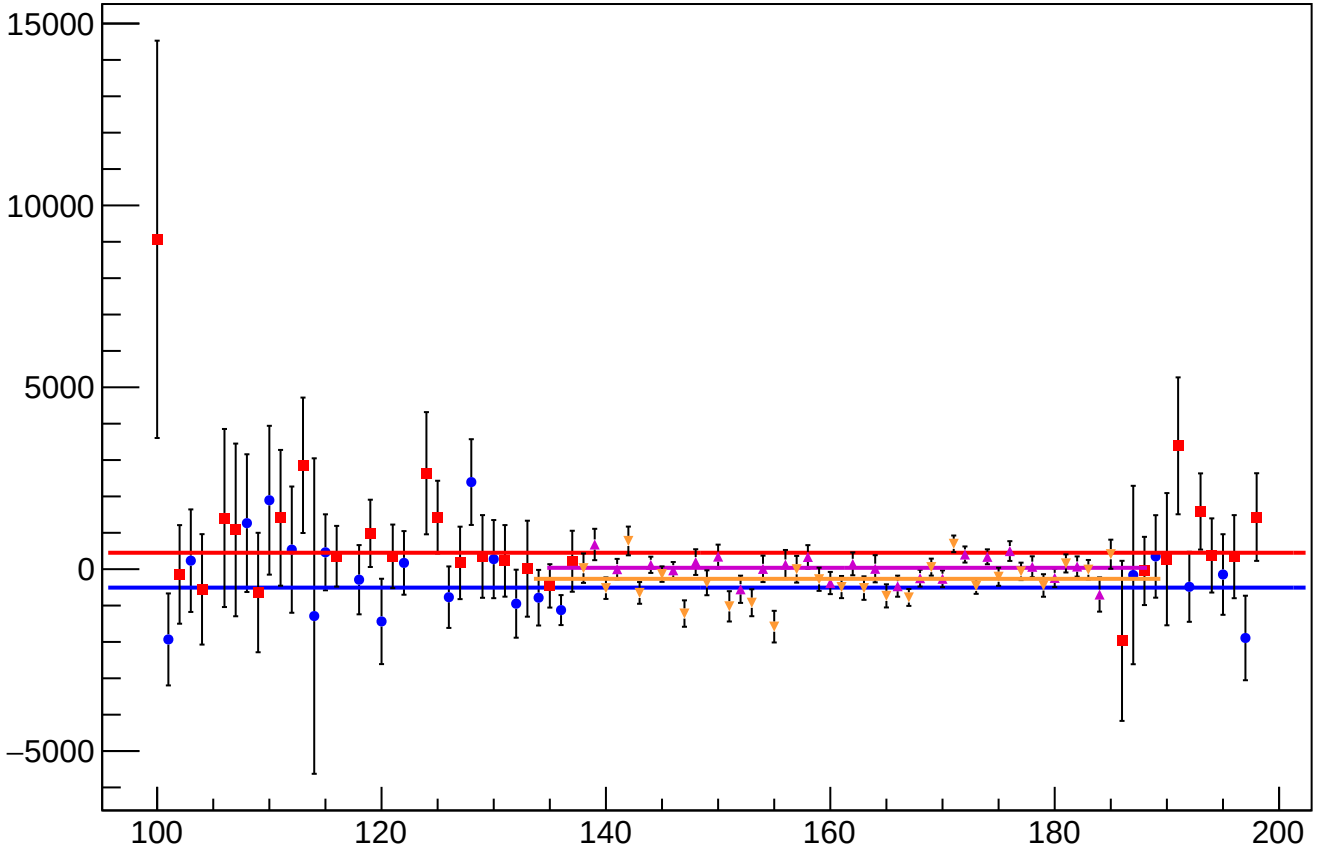
Right: 75.988+/-0.012 χ^2/NDF: 7502702.1/47

In: 51.779+/-0.007 χ^2/NDF:5157478.3/43

Out: 52.258+/-0.007 χ^2/NDF:7512300.6/51

All: 52.025+/-0.005 χ^2/NDF: 12672076.3/95

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.004+/-216.212 χ^2/NDF: 17.7/20

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 451.453+/-221.117 χ^2/NDF: 17.2/26

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

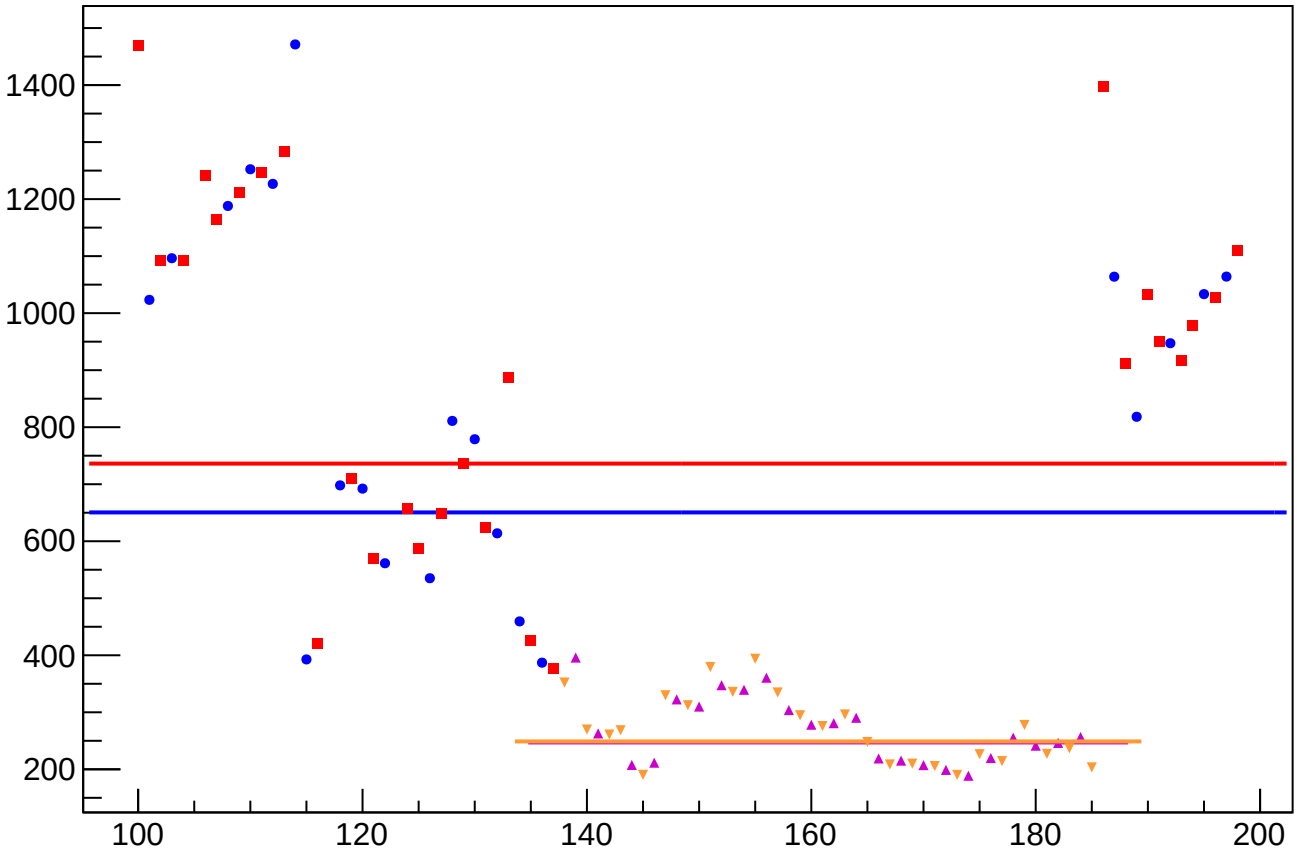
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -38.524+/-154.590 χ^2/NDF: 44.5/47

In: -0.401+/-57.062 χ^2/NDF:50.3/43

Out: -219.468+/-56.130 χ^2/NDF:96.8/51

All: -111.738+/-40.015 χ^2/NDF: 154.6/95



Right In: 650.538+/-0.153 χ^2/NDF: 2981711.8/20

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 736.148+/-0.156 χ^2/NDF: 3132796.2/26

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

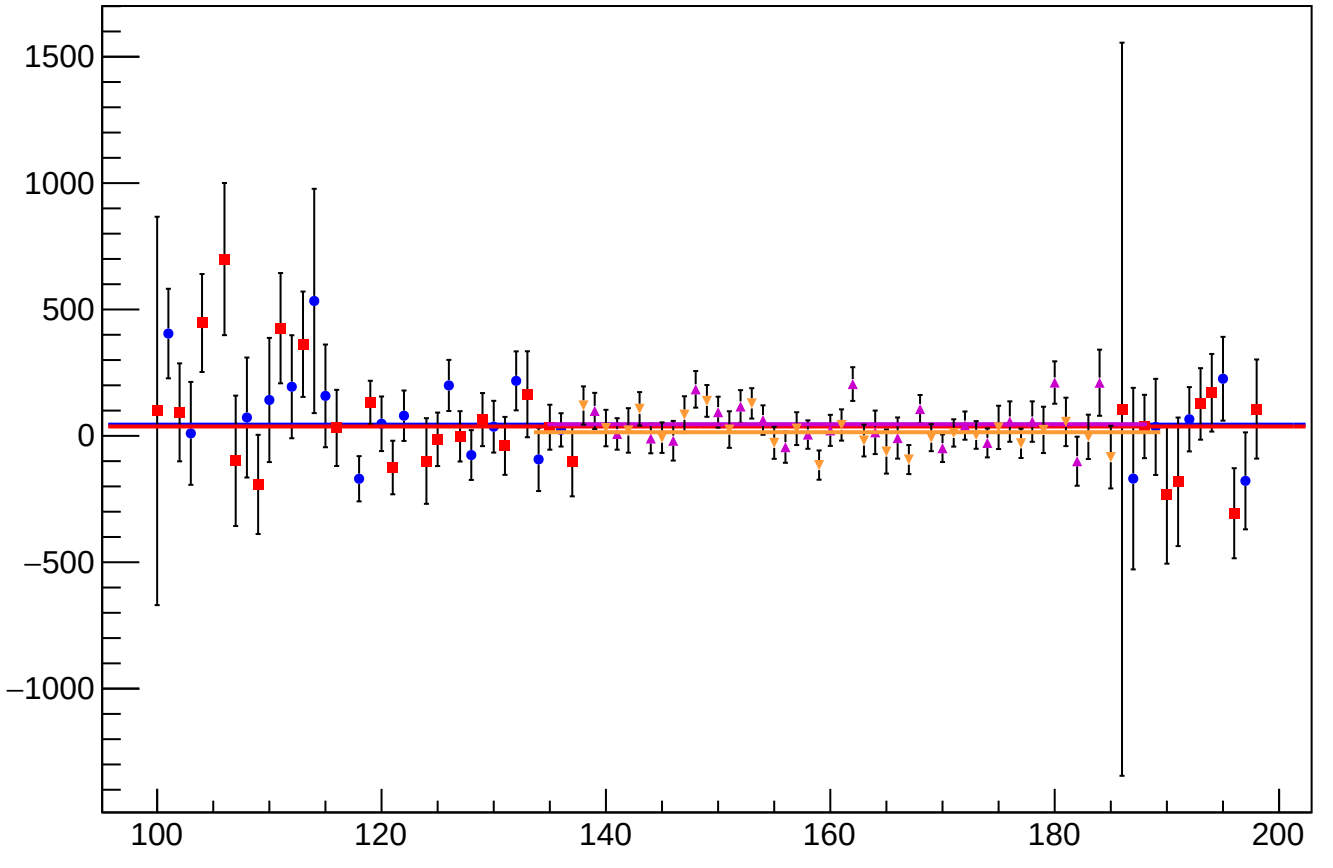
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 692.383+/-0.109 χ^2/NDF: 6267773.9/47

In: 275.209+/-0.040 χ^2/NDF:10944273.9/43

Out: 280.289+/-0.040 χ^2/NDF:13882570.4/51

All: 277.791+/-0.028 χ^2/NDF: 24834901.7/95



Right In: 44.381+/-27.965 χ^2/NDF: 22.5/20

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 37.145+/-28.093 χ^2/NDF: 30.0/26

Left In: 45.806+/-13.931 χ^2/NDF:30.7/22

Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

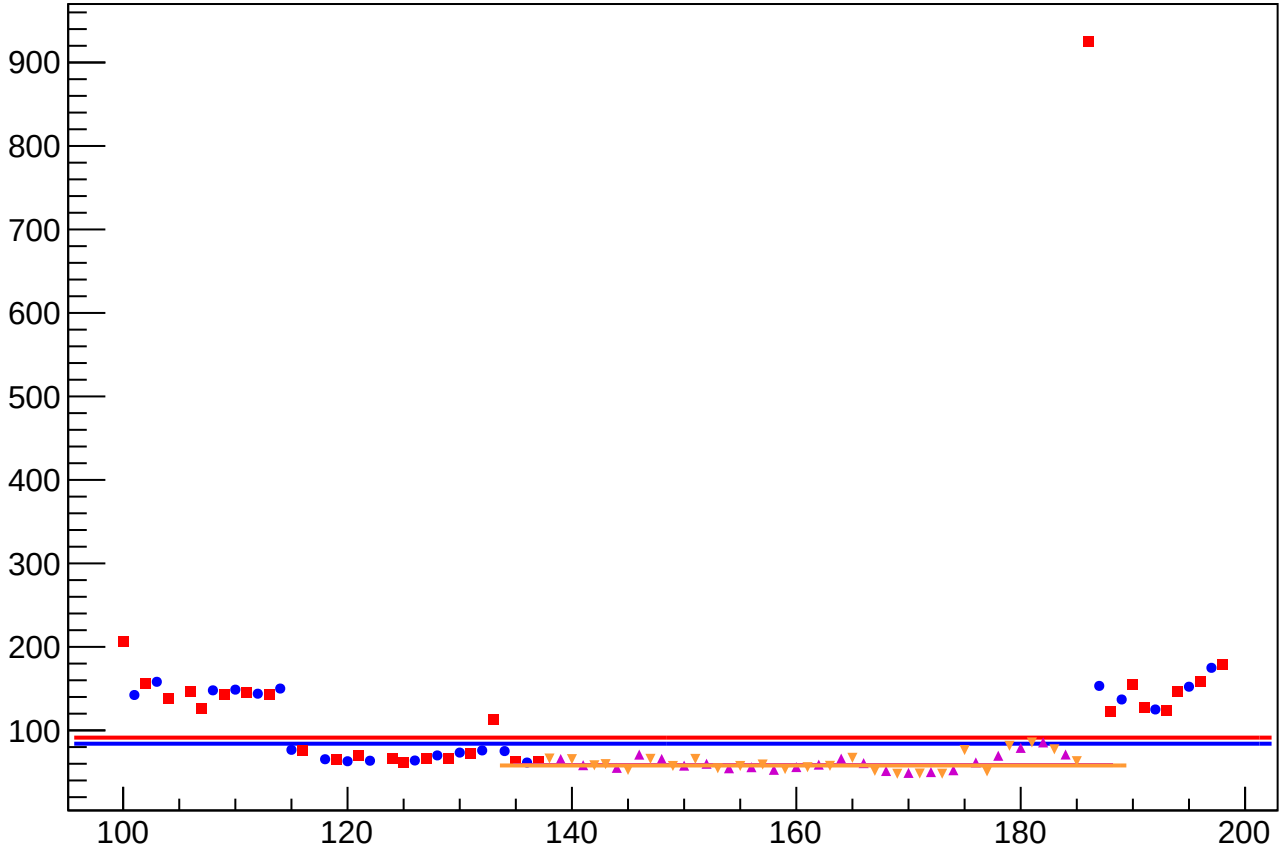
Right: 40.779+/-19.819 χ^2/NDF: 52.6/47

In: 45.523+/-12.470 χ^2/NDF:53.3/43

Out: 18.724+/-12.134 χ^2/NDF:55.1/51

All: 31.758+/-8.696 χ^2/NDF: 110.7/95

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 84.034+/-0.020 χ^2/NDF: 2852072.7/20

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

Right Out: 91.313+/-0.020 χ^2/NDF: 3952881.6/26

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

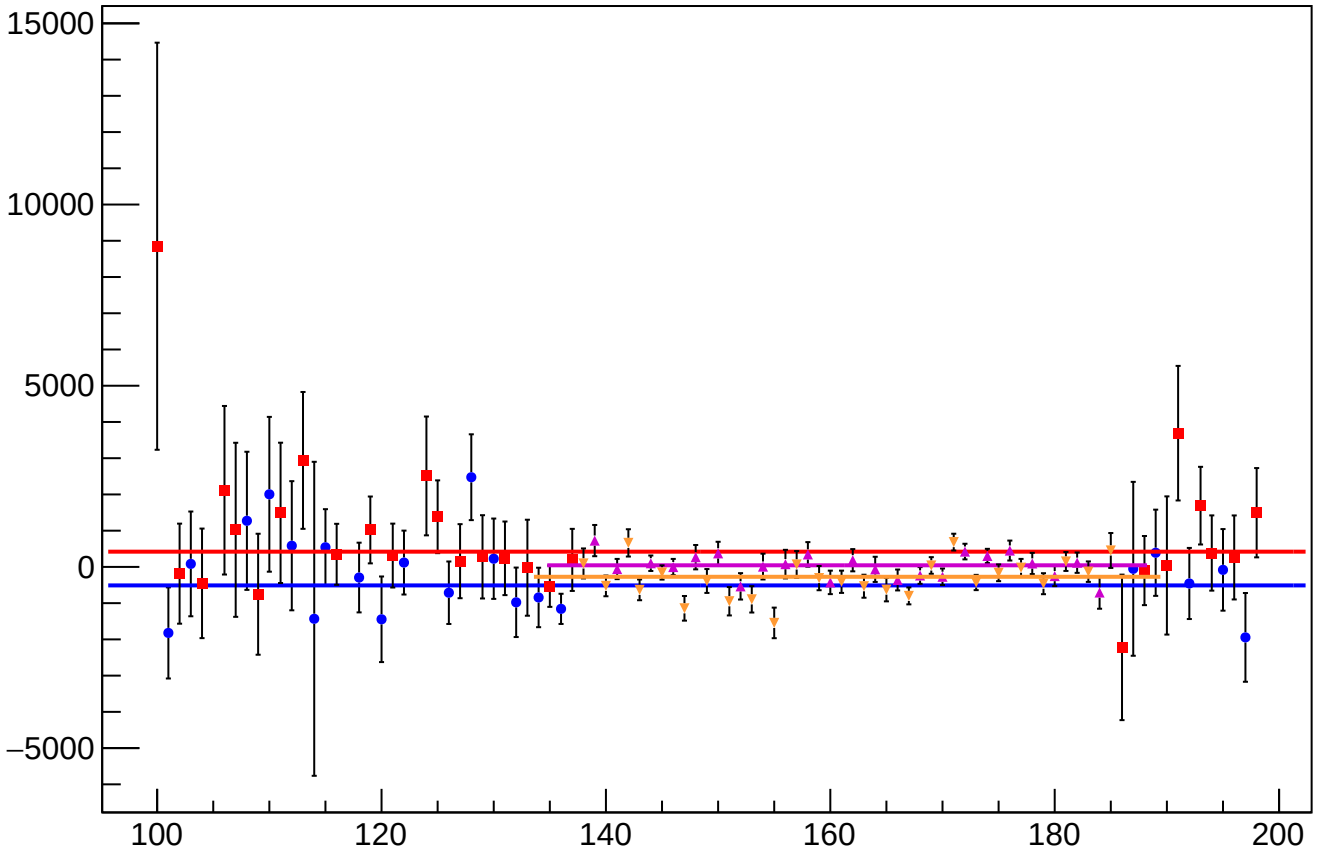
Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

Right: 87.657+/-0.014 χ^2/NDF: 6872400.9/47

In: 63.560+/-0.009 χ^2/NDF:4840100.3/43

Out: 64.187+/-0.009 χ^2/NDF:7142297.1/51

All: 63.882+/-0.006 χ^2/NDF: 11984994.3/95



Right In: -510.318+/-220.611 χ^2/NDF: 17.9/20

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: 420.755+/-221.953 χ^2/NDF: 19.4/26

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

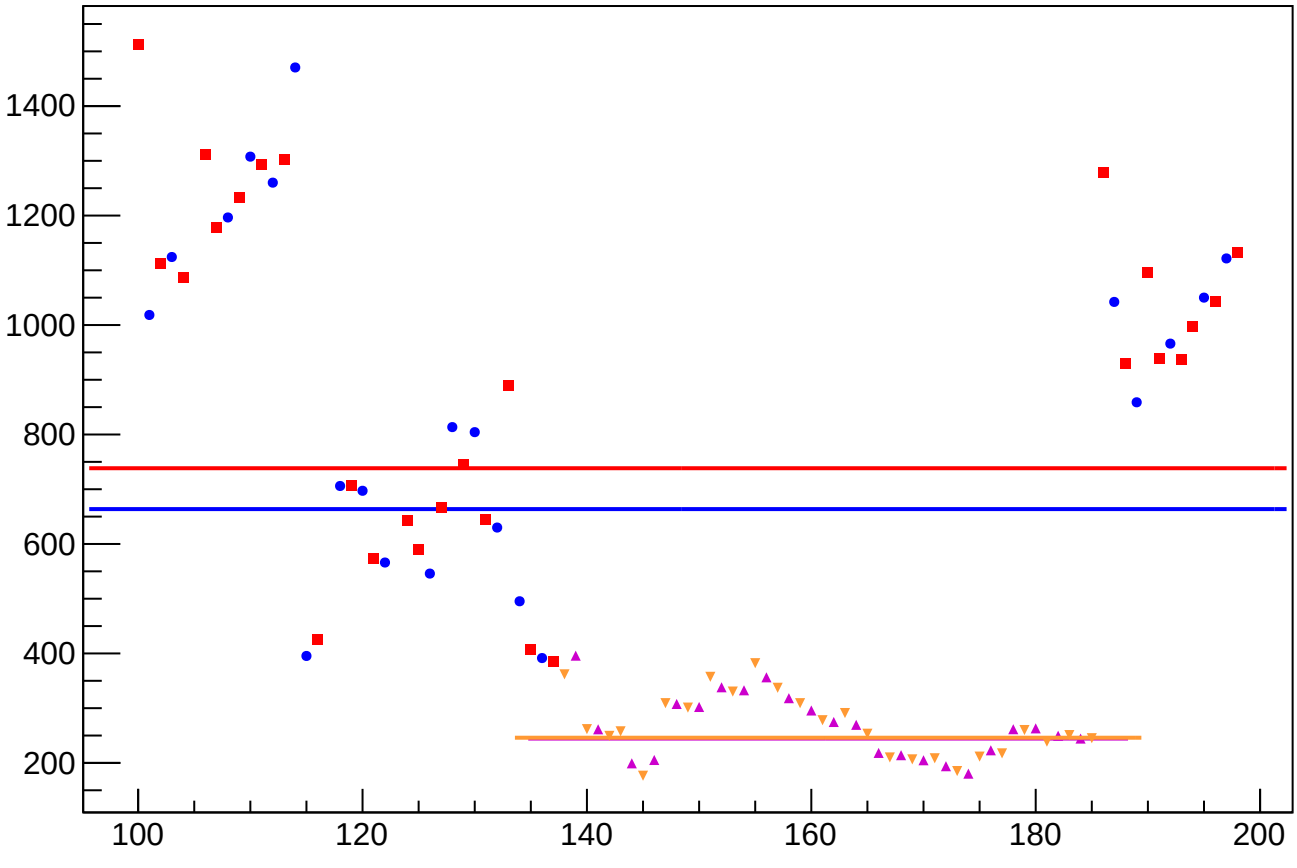
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -47.605+/-156.468 χ^2/NDF: 46.2/47

In: 7.966+/-56.649 χ^2/NDF:50.3/43

Out: -229.232+/-55.457 χ^2/NDF:94.3/51

All: -113.154+/-39.629 χ^2/NDF: 153.6/95



Right In: 663.720+/-0.156 χ^2/NDF: 3004622.4/20

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 738.384+/-0.157 χ^2/NDF: 3317886.6/26

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

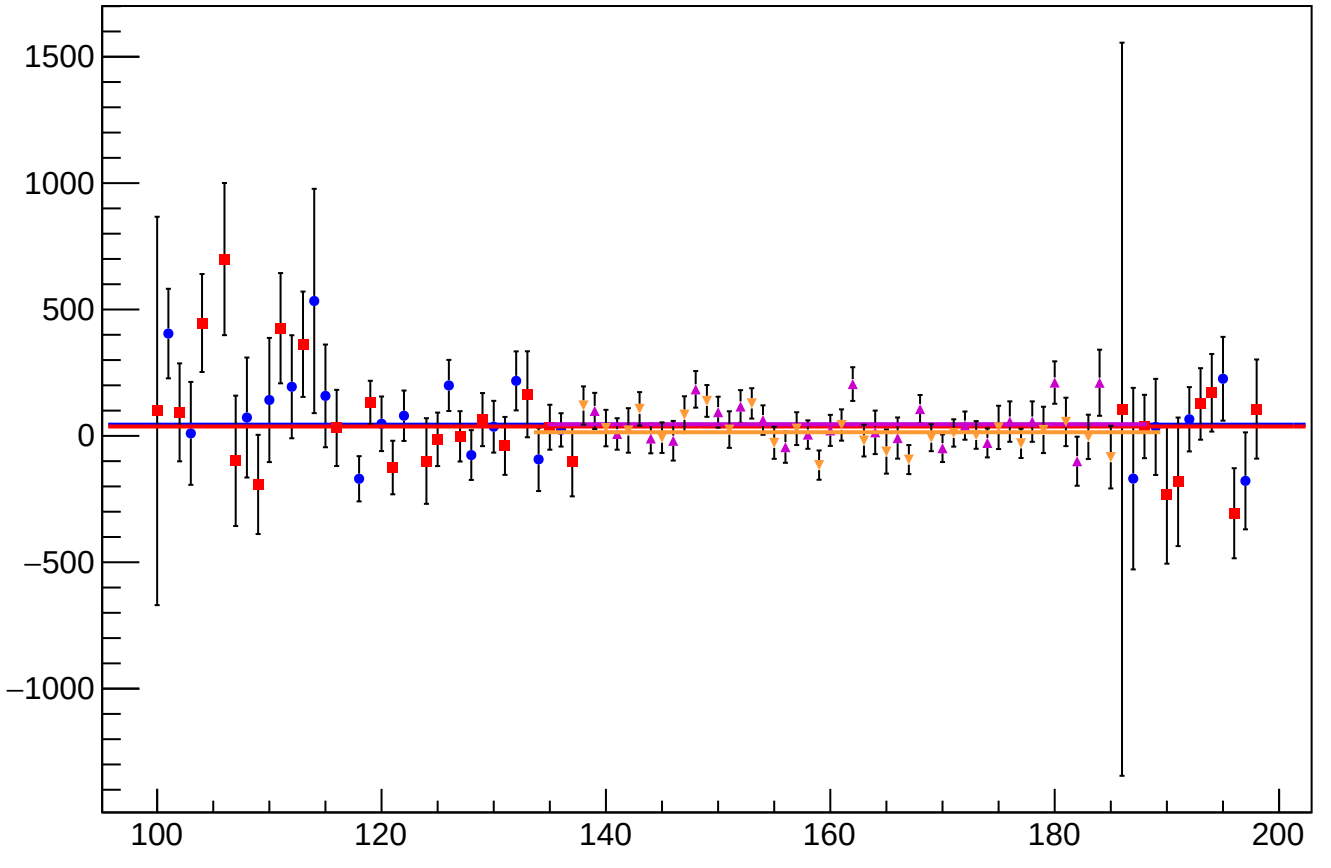
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 700.826+/-0.111 χ^2/NDF: 6436356.1/47

In: 272.095+/-0.040 χ^2/NDF:11349085.6/43

Out: 276.755+/-0.039 χ^2/NDF:14226086.9/51

All: 274.475+/-0.028 χ^2/NDF: 25582083.3/95



Right In: 44.382+/-27.965 χ^2/NDF: 22.5/20

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 37.145+/-28.093 χ^2/NDF: 30.0/26

Left In: 45.805+/-13.931 χ^2/NDF:30.7/22

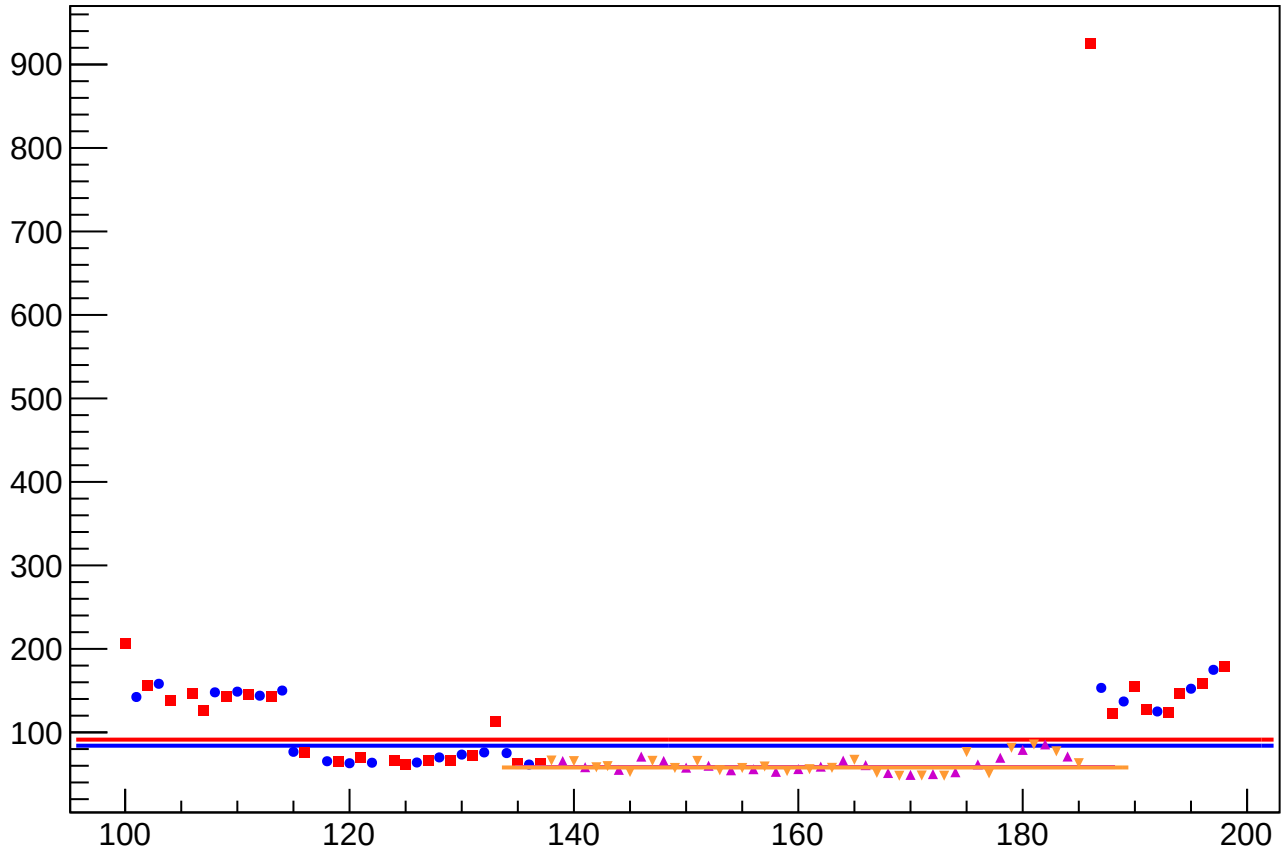
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 40.780+/-19.819 χ^2/NDF: 52.6/47

In: 45.522+/-12.470 χ^2/NDF:53.3/43

Out: 18.723+/-12.134 χ^2/NDF:55.1/51

All: 31.758+/-8.696 χ^2/NDF: 110.7/95



Right In: 84.034+/-0.020 χ^2/NDF: 2852068.1/20

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

Right Out: 91.313+/-0.020 χ^2/NDF: 3952887.4/26

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

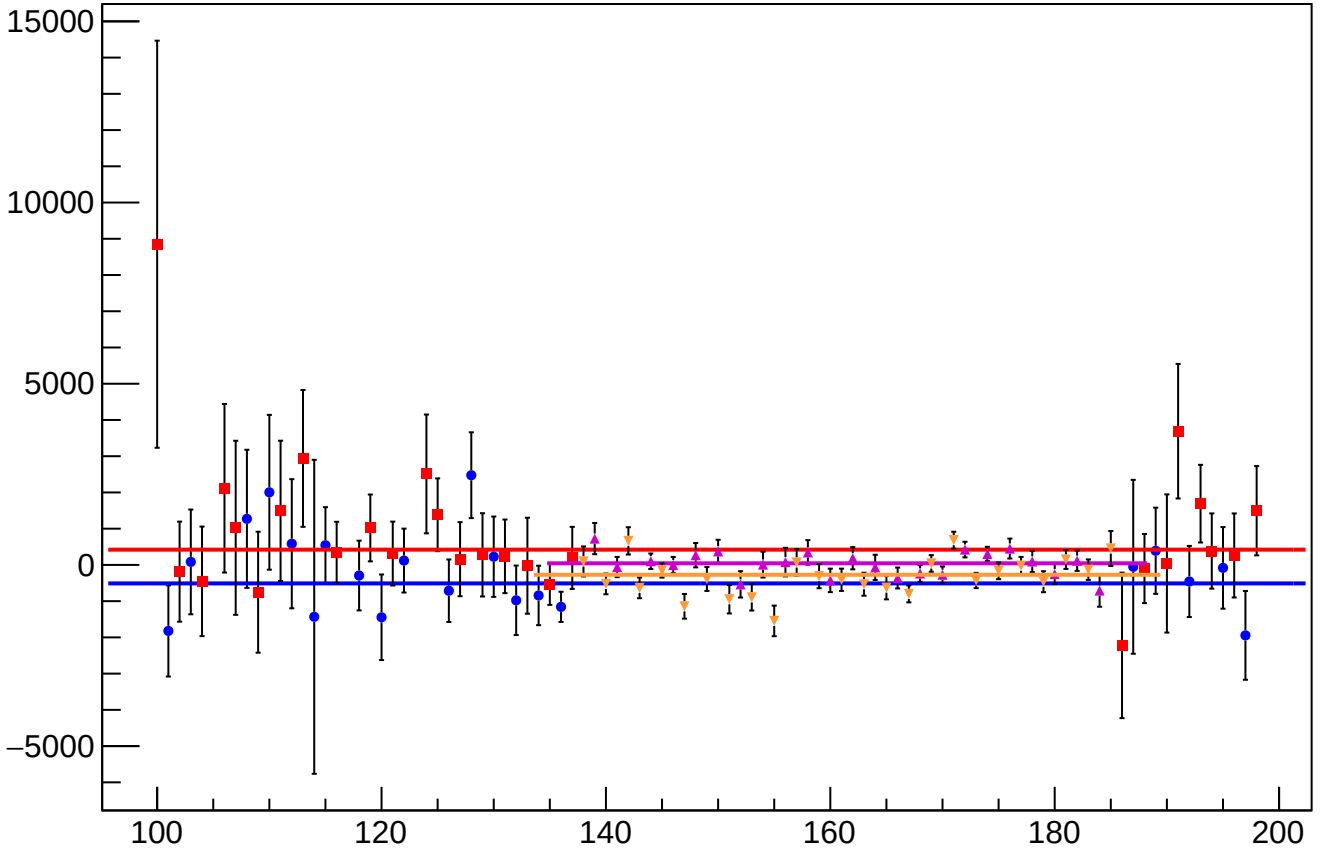
Right: 87.657+/-0.014 χ^2/NDF: 6872403.2/47

In: 63.560+/-0.009 χ^2/NDF:4840041.7/43

Out: 64.187+/-0.009 χ^2/NDF:7142263.1/51

All: 63.882+/-0.006 χ^2/NDF: 11984901.3/95

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -510.316+/-220.611 χ^2/NDF: 17.9/20

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

Right Out: 420.756+/-221.953 χ^2/NDF: 19.4/26

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

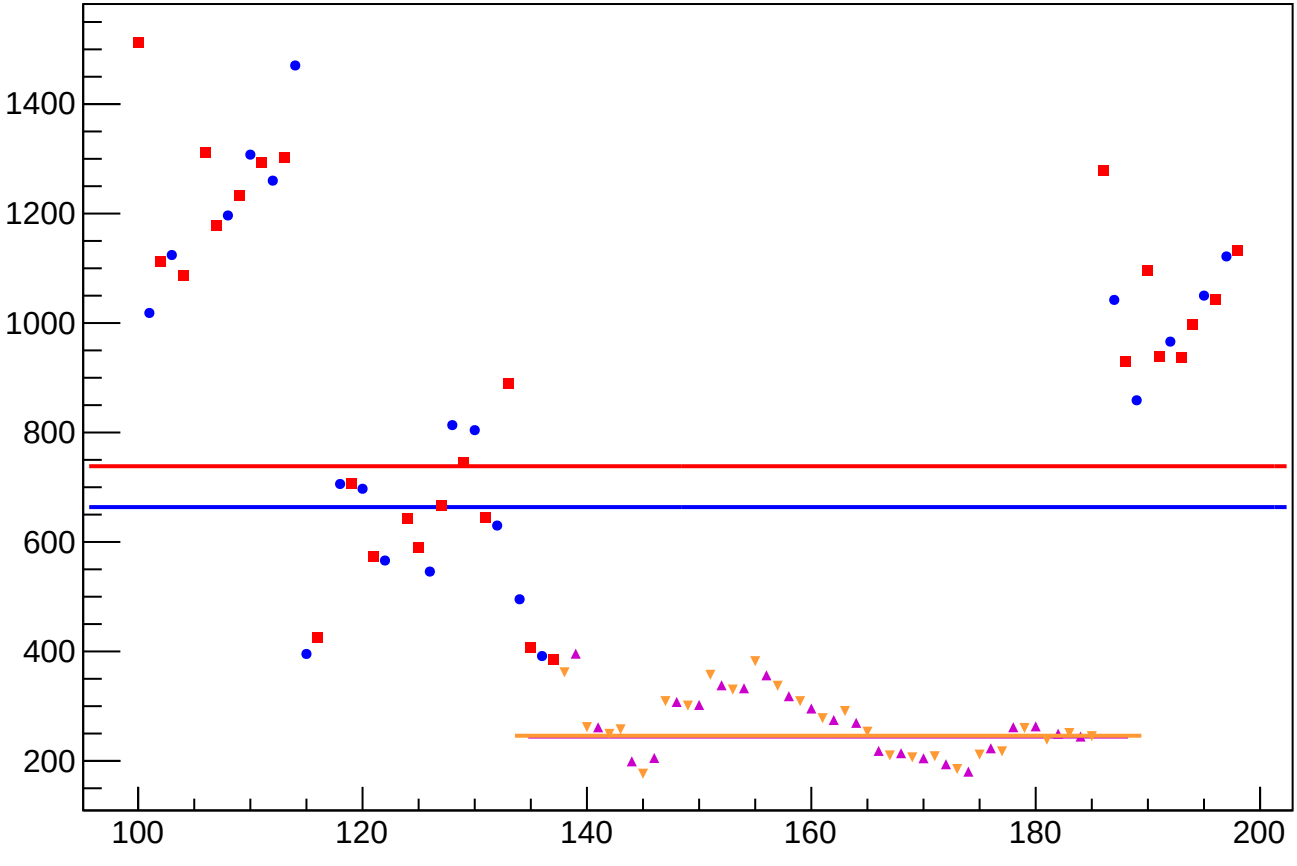
Right: -47.604+/-156.468 χ^2/NDF: 46.2/47

In: 7.966+/-56.649 χ^2/NDF:50.3/43

Out: -229.231+/-55.457 χ^2/NDF:94.3/51

All: -113.153+/-39.629 χ^2/NDF: 153.6/95

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 663.720+/-0.156 χ^2/NDF: 3004605.9/20

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 738.383+/-0.157 χ^2/NDF: 3317869.8/26

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

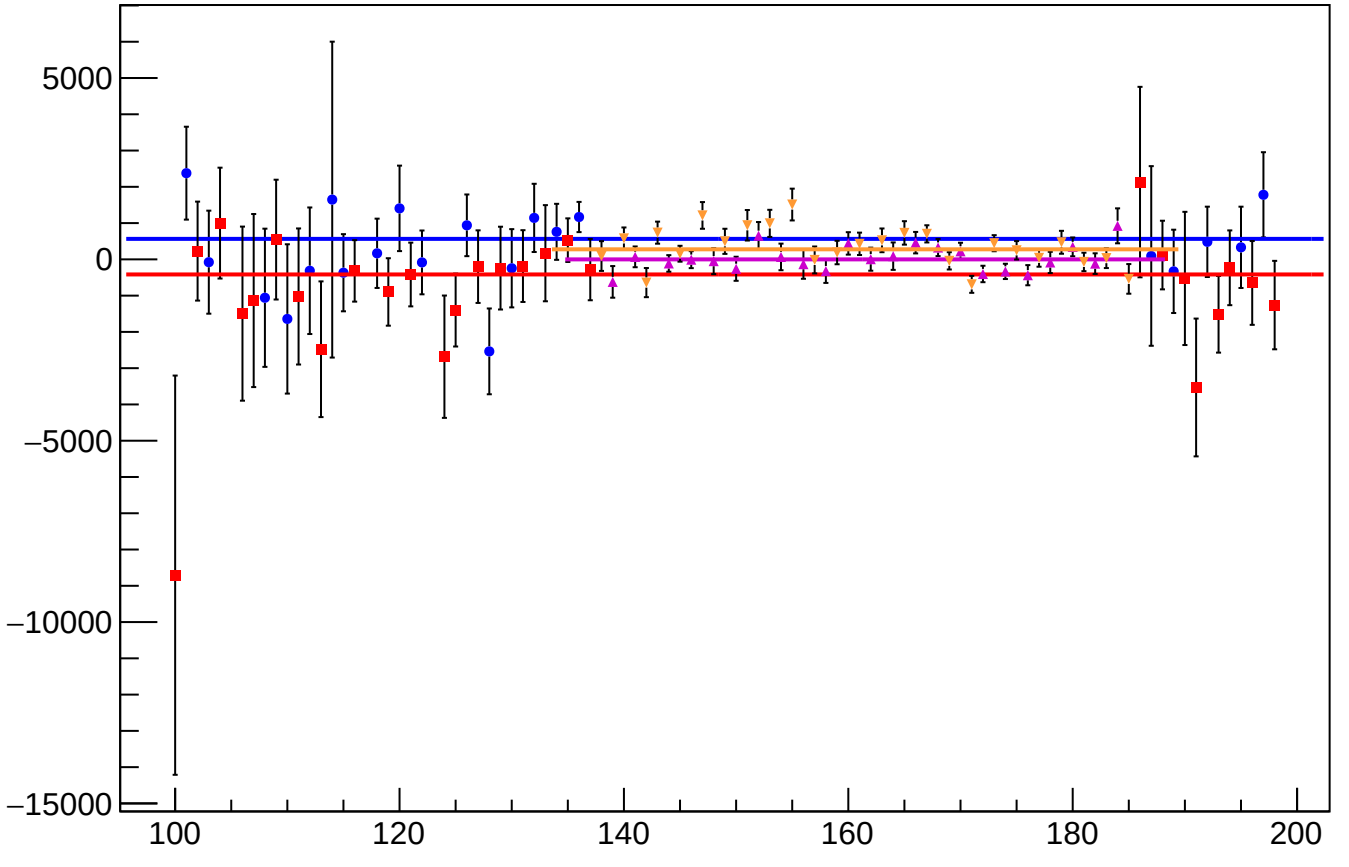
Right: 700.825+/-0.111 χ^2/NDF: 6436323.0/47

In: 272.095+/-0.040 χ^2/NDF:11349065.7/43

Out: 276.755+/-0.039 χ^2/NDF:14226087.3/51

All: 274.475+/-0.028 χ^2/NDF: 25582063.2/95

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 564.915+/-218.094 χ^2/NDF: 18.3/20

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: -415.882+/-223.099 χ^2/NDF: 16.8/26

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

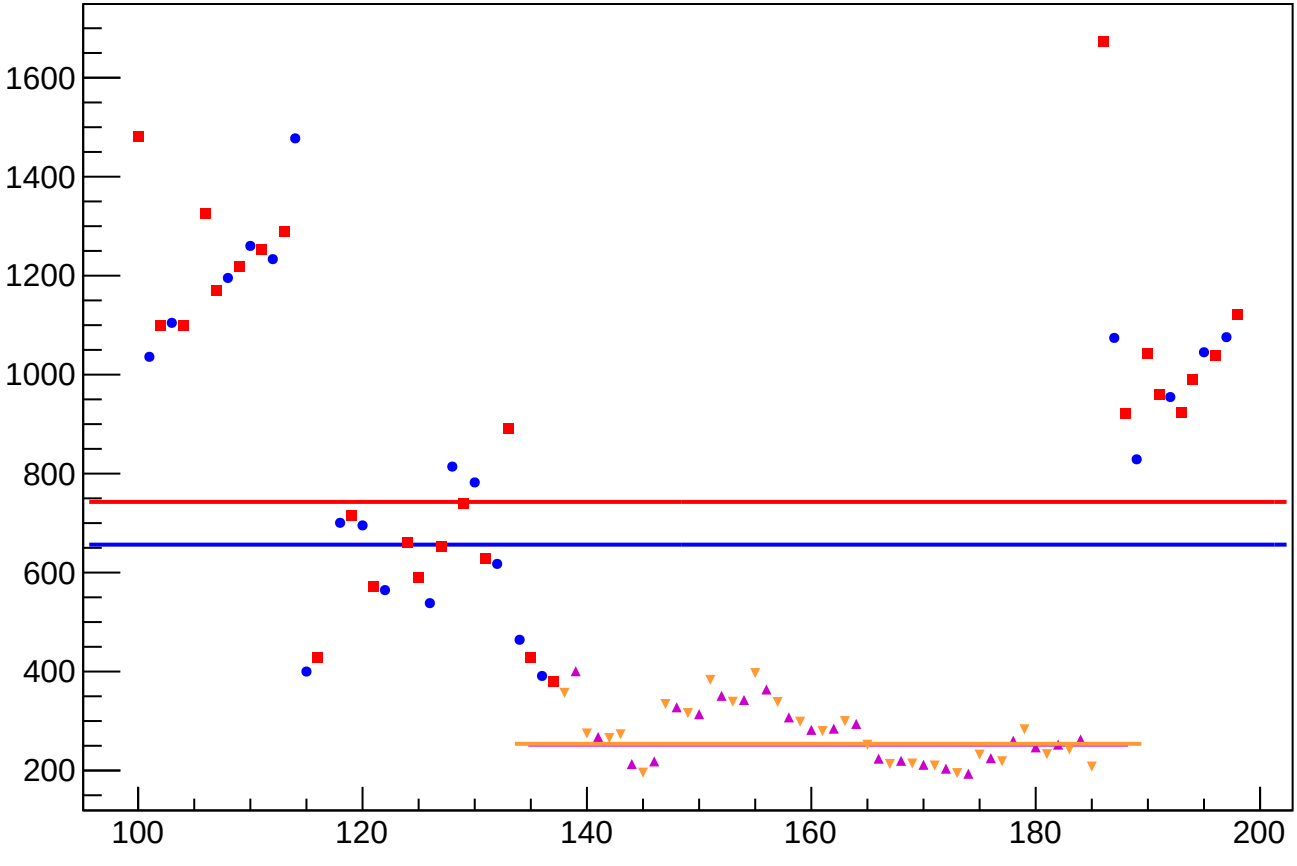
Right: 85.644+/-155.955 χ^2/NDF: 45.0/47

In: 39.671+/-58.170 χ^2/NDF:52.7/43

Out: 231.568+/-57.173 χ^2/NDF:89.8/51

All: 137.277+/-40.775 χ^2/NDF: 148.1/95

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 656.451+/-0.154 χ^2/NDF: 2968131.9/20

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

Right Out: 742.796+/-0.158 χ^2/NDF: 3234407.5/26

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

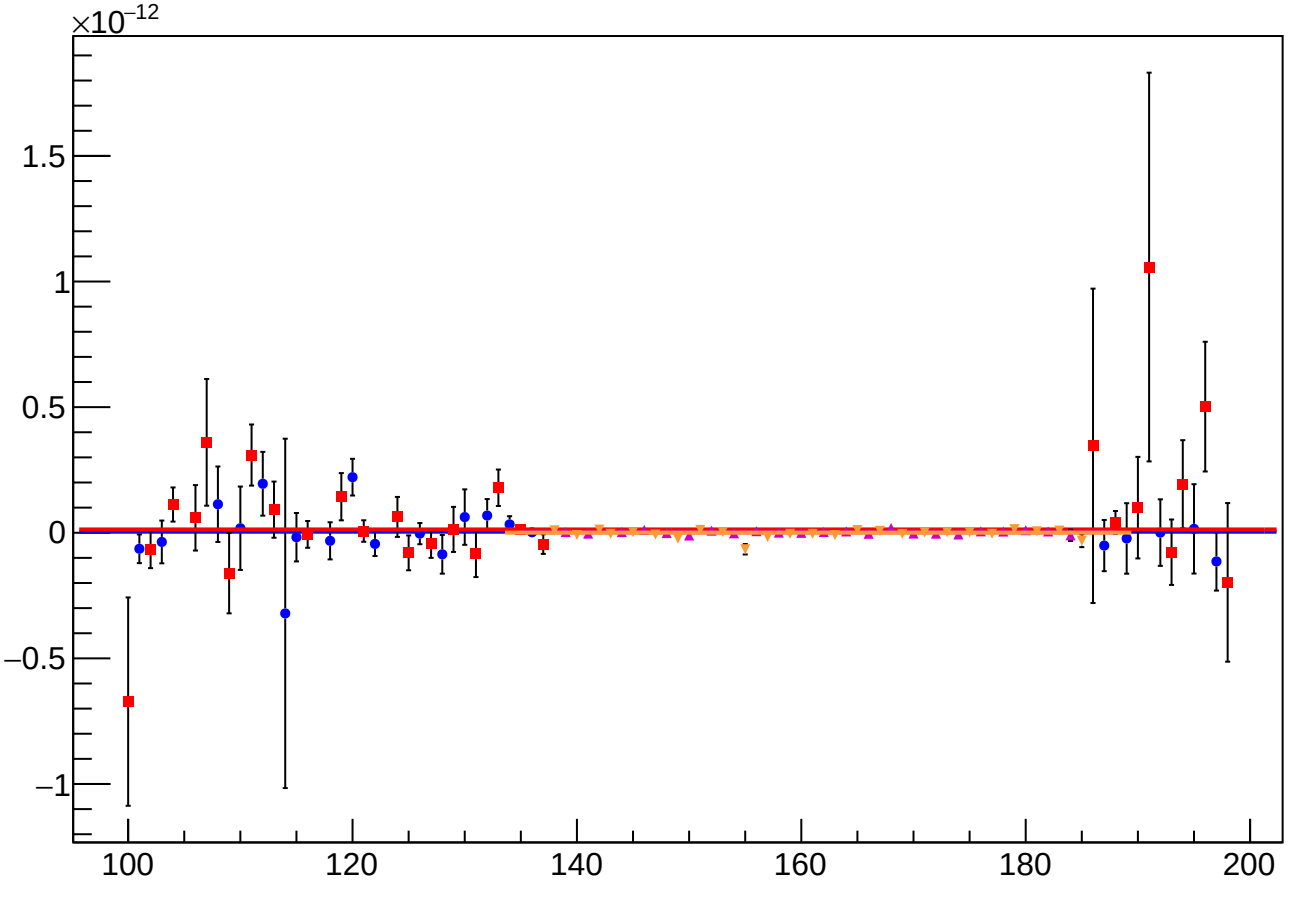
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 698.644+/-0.110 χ^2/NDF: 6355728.2/47

In: 281.135+/-0.041 χ^2/NDF:10756894.6/43

Out: 286.057+/-0.040 χ^2/NDF:13796783.6/51

All: 283.638+/-0.029 χ^2/NDF: 24560964.1/95



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.8/26

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

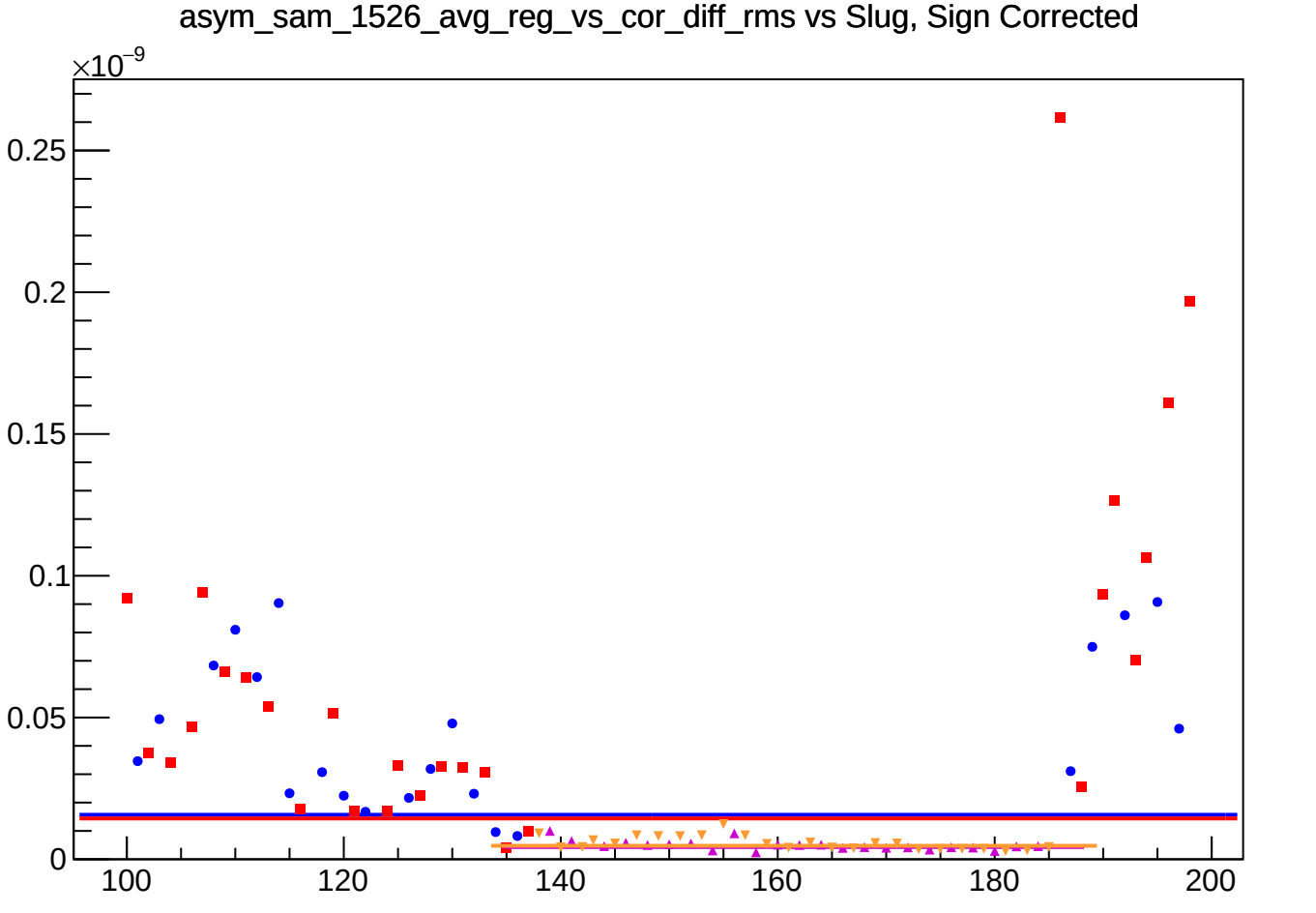
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 57.8/47

In: 0.000+/-0.000 χ^2/NDF:33.7/43

Out: 0.000+/-0.000 χ^2/NDF:66.2/51

All: 0.000+/-0.000 χ^2/NDF: 99.9/95



Right In: 0.000+/-0.000 χ^2/NDF: 3991960.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6561012.9/26

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

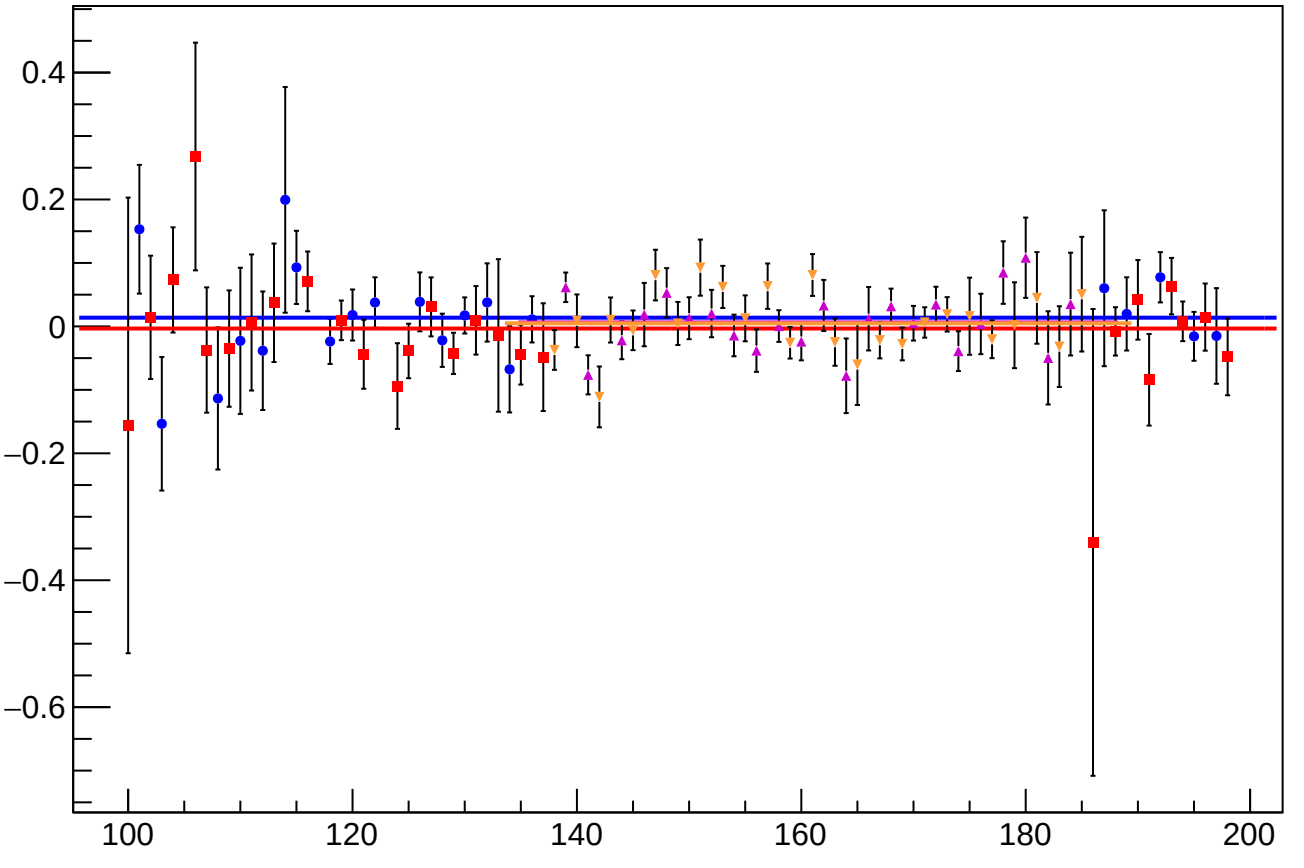
Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

Right: 0.000+/-0.000 χ^2/NDF: 10568961.7/47

In: 0.000+/-0.000 χ^2/NDF:7316976.7/43

Out: 0.000+/-0.000 χ^2/NDF:9901400.4/51

All: 0.000+/-0.000 χ^2/NDF: 17267421.1/95



Right In: 0.014+/-0.011 χ^2/NDF: 16.7/20

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.003+/-0.011 χ^2/NDF: 18.3/26

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

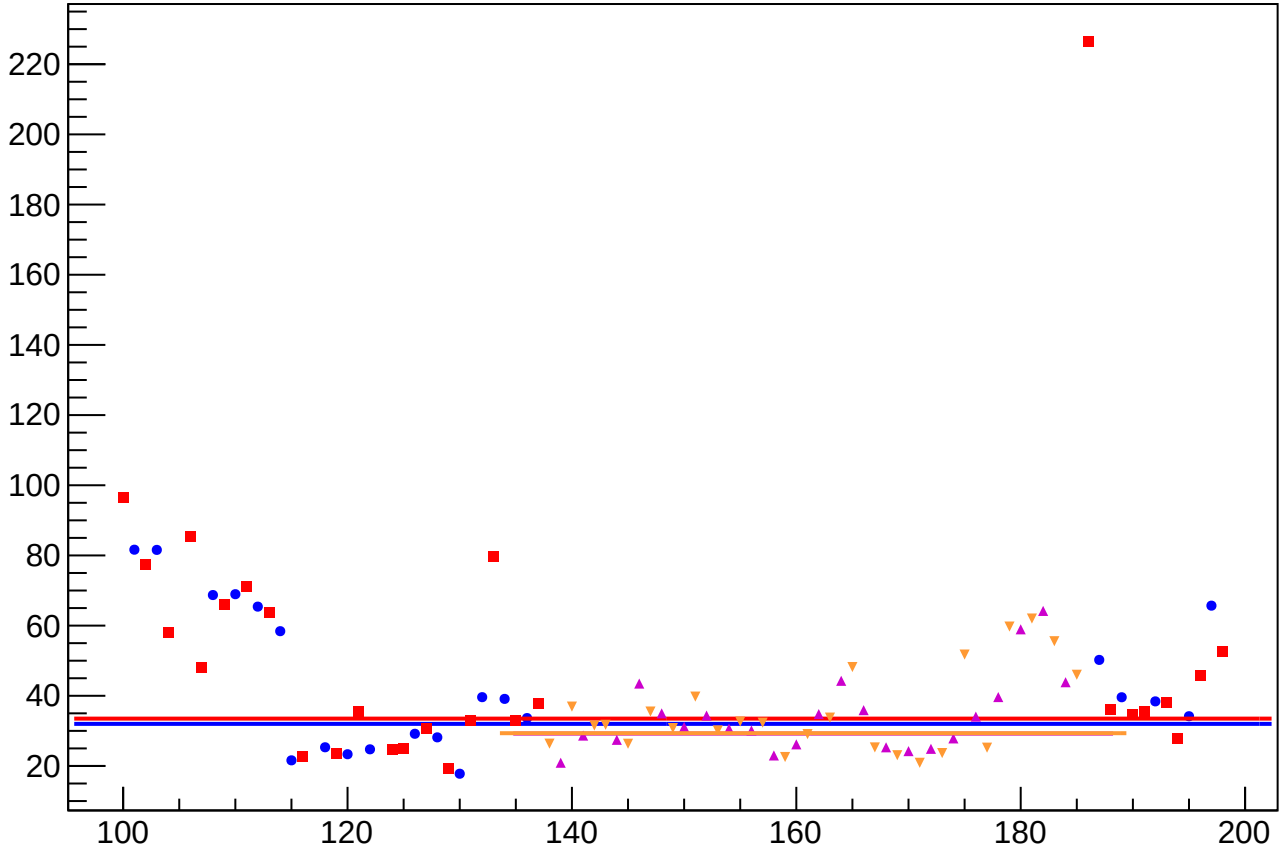
Right: 0.005+/-0.008 χ^2/NDF: 36.2/47

In: 0.008+/-0.006 χ^2/NDF:48.0/43

Out: 0.002+/-0.006 χ^2/NDF:52.6/51

All: 0.005+/-0.004 χ^2/NDF: 101.1/95

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.996+/-0.008 χ^2/NDF: 3056392.0/20

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 33.494+/-0.007 χ^2/NDF: 3646355.8/26

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

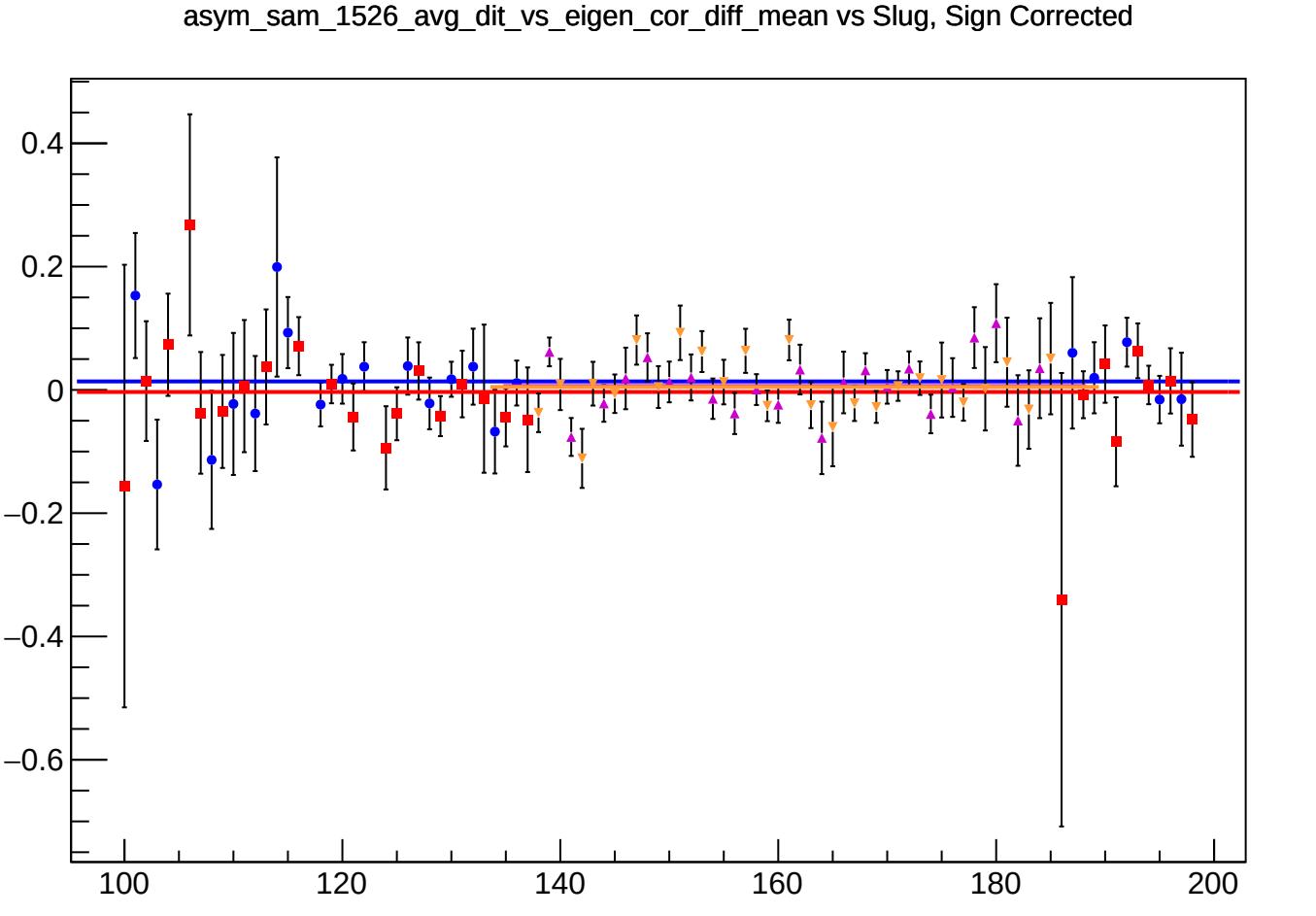
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 32.780+/-0.005 χ^2/NDF: 6722006.8/47

In: 30.062+/-0.004 χ^2/NDF:5241863.9/43

Out: 30.637+/-0.004 χ^2/NDF:6547443.7/51

All: 30.358+/-0.003 χ^2/NDF: 11798545.8/95



Right In: 0.014+/-0.011 χ^2/NDF: 16.7/20

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.003+/-0.011 χ^2/NDF: 18.3/26

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

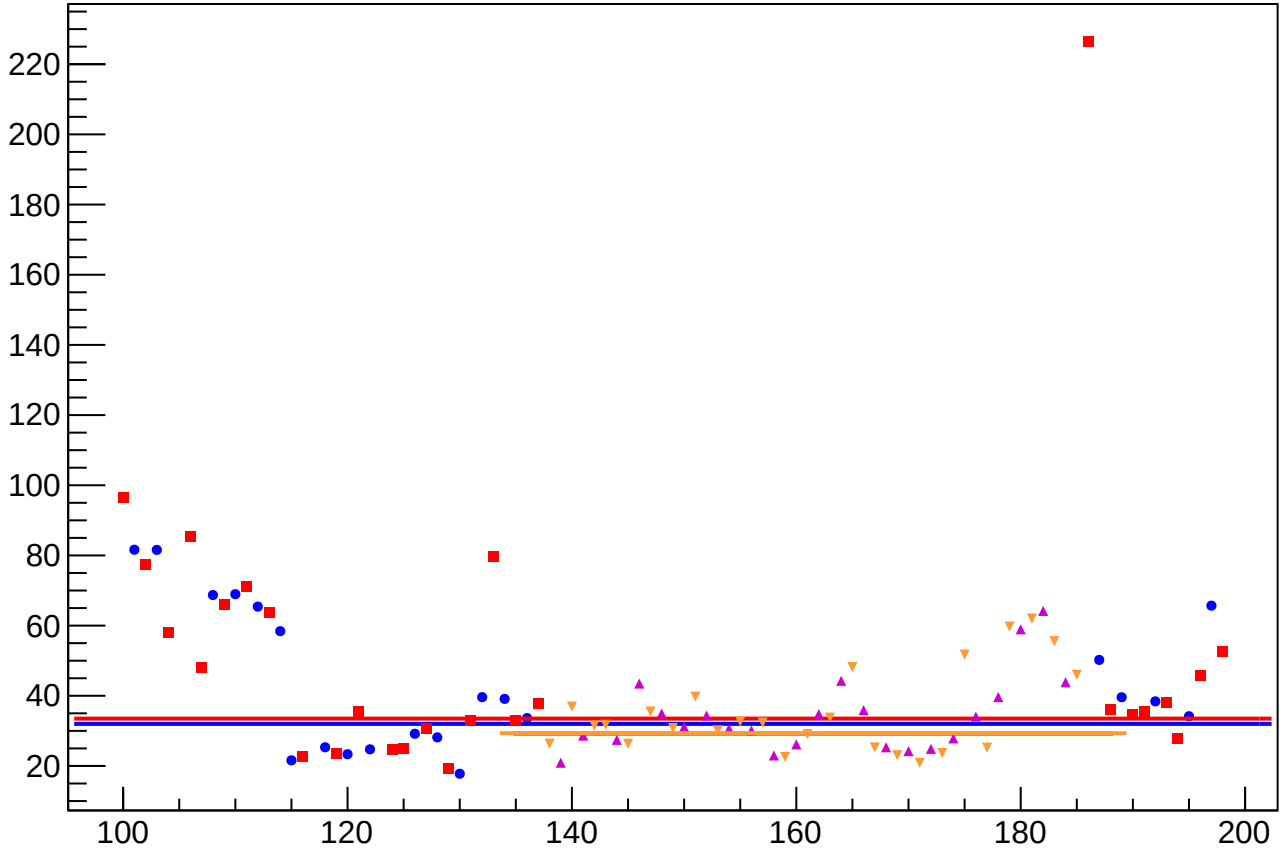
Right: 0.005+/-0.008 χ^2/NDF: 36.2/47

In: 0.008+/-0.006 χ^2/NDF:48.0/43

Out: 0.002+/-0.006 χ^2/NDF:52.6/51

All: 0.005+/-0.004 χ^2/NDF: 101.1/95

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.996+/-0.008 χ^2/NDF: 3056392.0/20

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 33.494+/-0.007 χ^2/NDF: 3646355.8/26

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

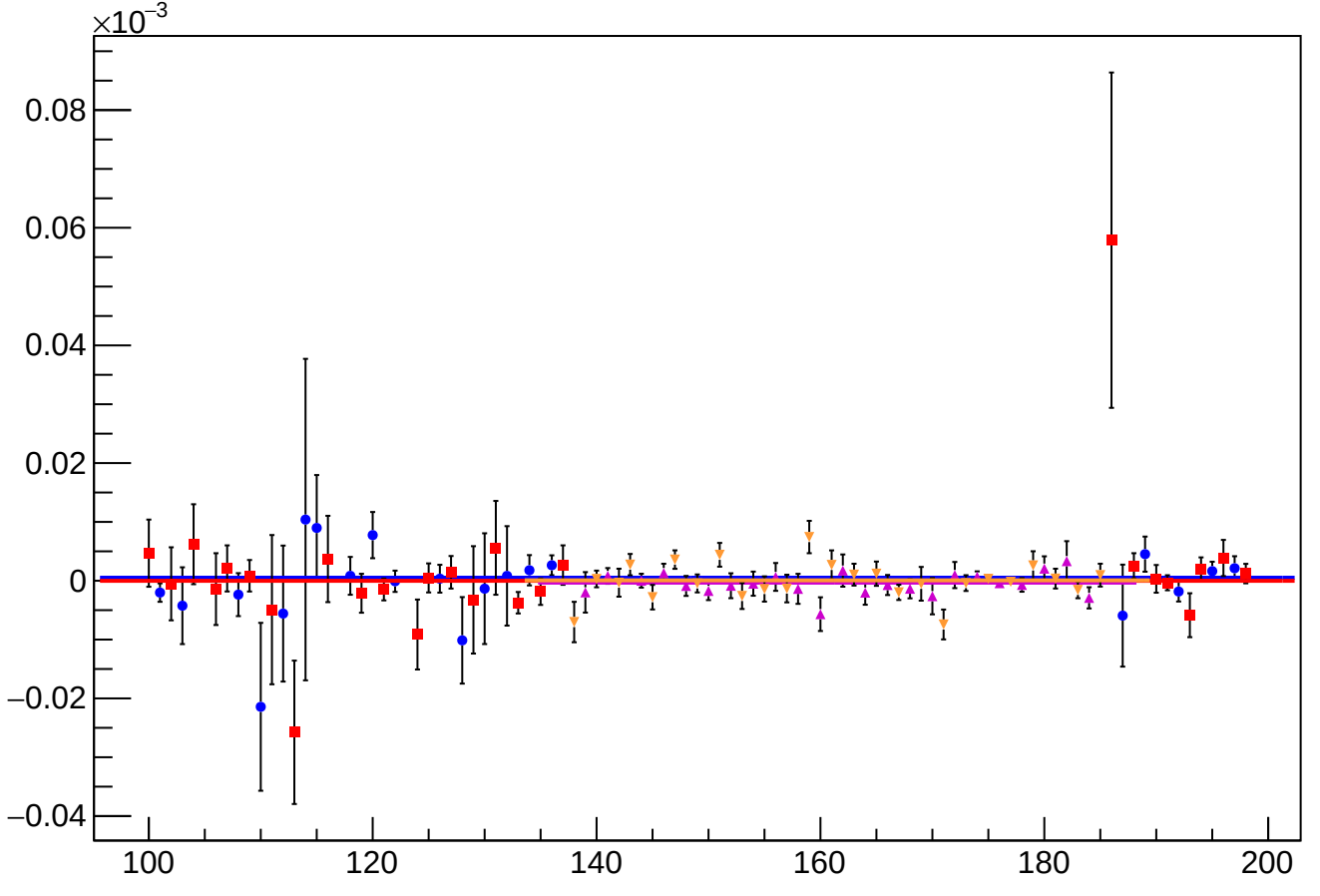
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 32.780+/-0.005 χ^2/NDF: 6722006.8/47

In: 30.062+/-0.004 χ^2/NDF:5241863.9/43

Out: 30.637+/-0.004 χ^2/NDF:6547443.7/51

All: 30.358+/-0.003 χ^2/NDF: 11798545.8/95



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.0/26

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

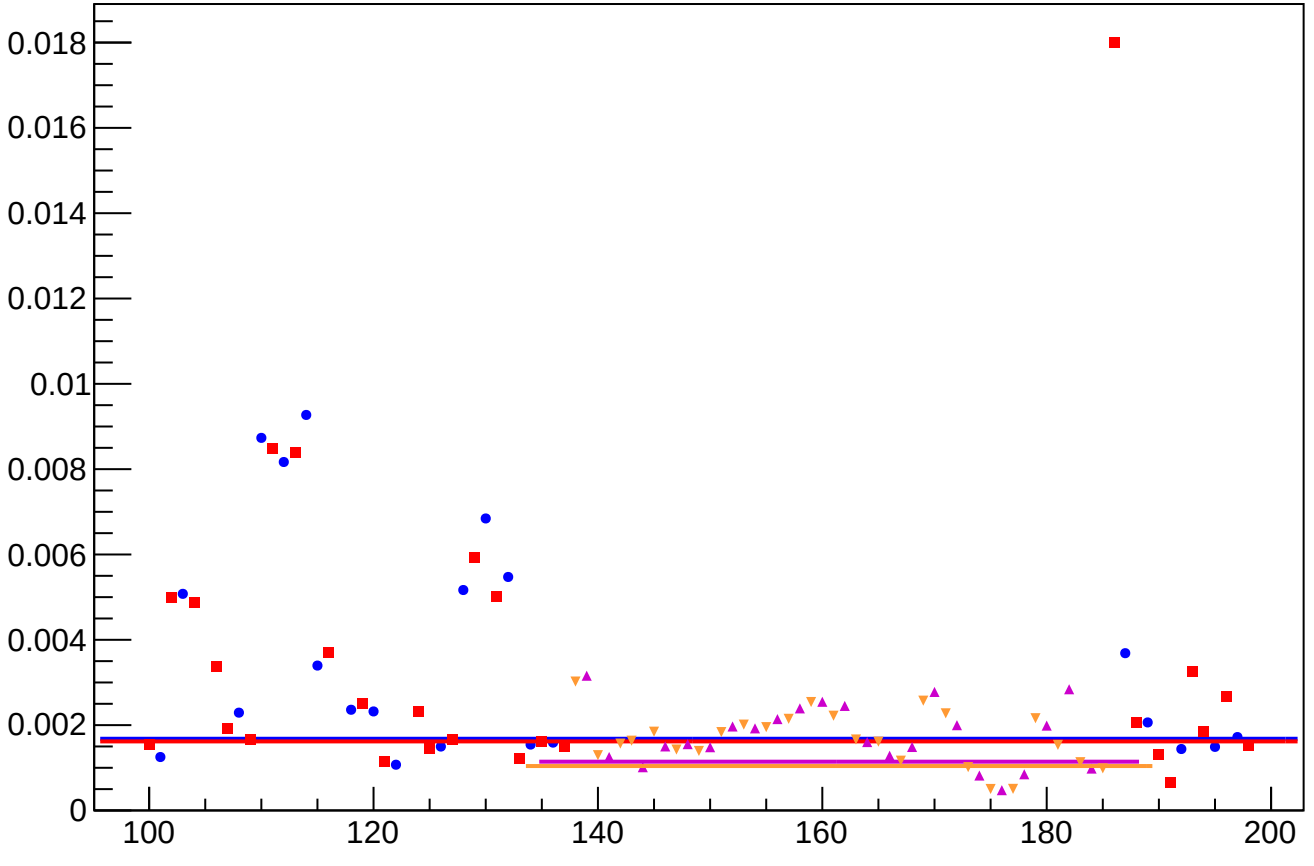
Right: 0.000+/-0.000 χ^2/NDF: 48.6/47

In: -0.000+/-0.000 χ^2/NDF:37.3/43

Out: 0.000+/-0.000 χ^2/NDF:71.7/51

All: -0.000+/-0.000 χ^2/NDF: 109.2/95

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4148767.8/20

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6411526.7/26

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

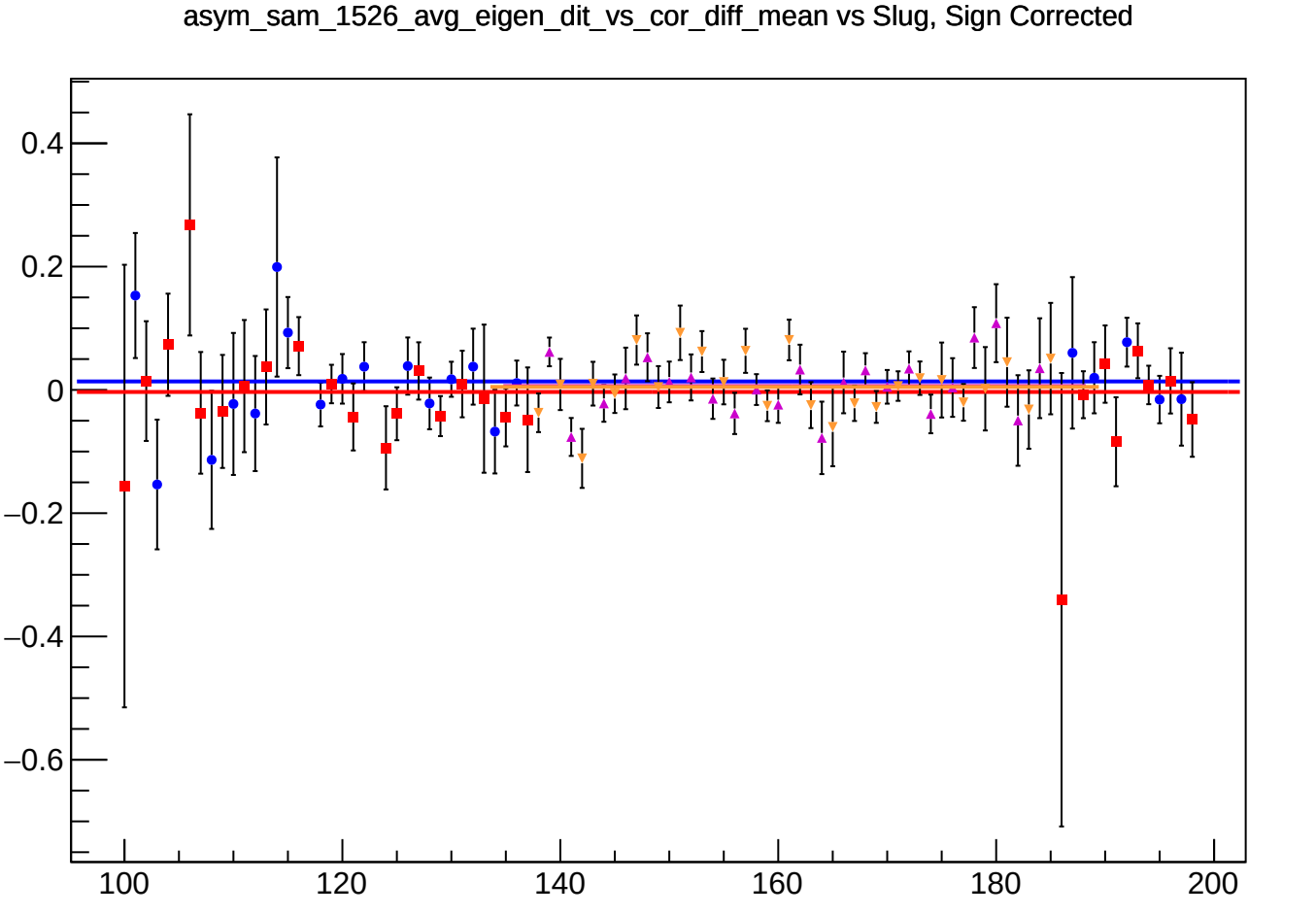
Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

Right: 0.002+/-0.000 χ^2/NDF: 10572241.4/47

In: 0.001+/-0.000 χ^2/NDF:13722512.0/43

Out: 0.001+/-0.000 χ^2/NDF:18061718.7/51

All: 0.001+/-0.000 χ^2/NDF: 31914150.8/95



Right In: 0.014+/-0.011 χ^2/NDF: 16.7/20

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.003+/-0.011 χ^2/NDF: 18.3/26

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

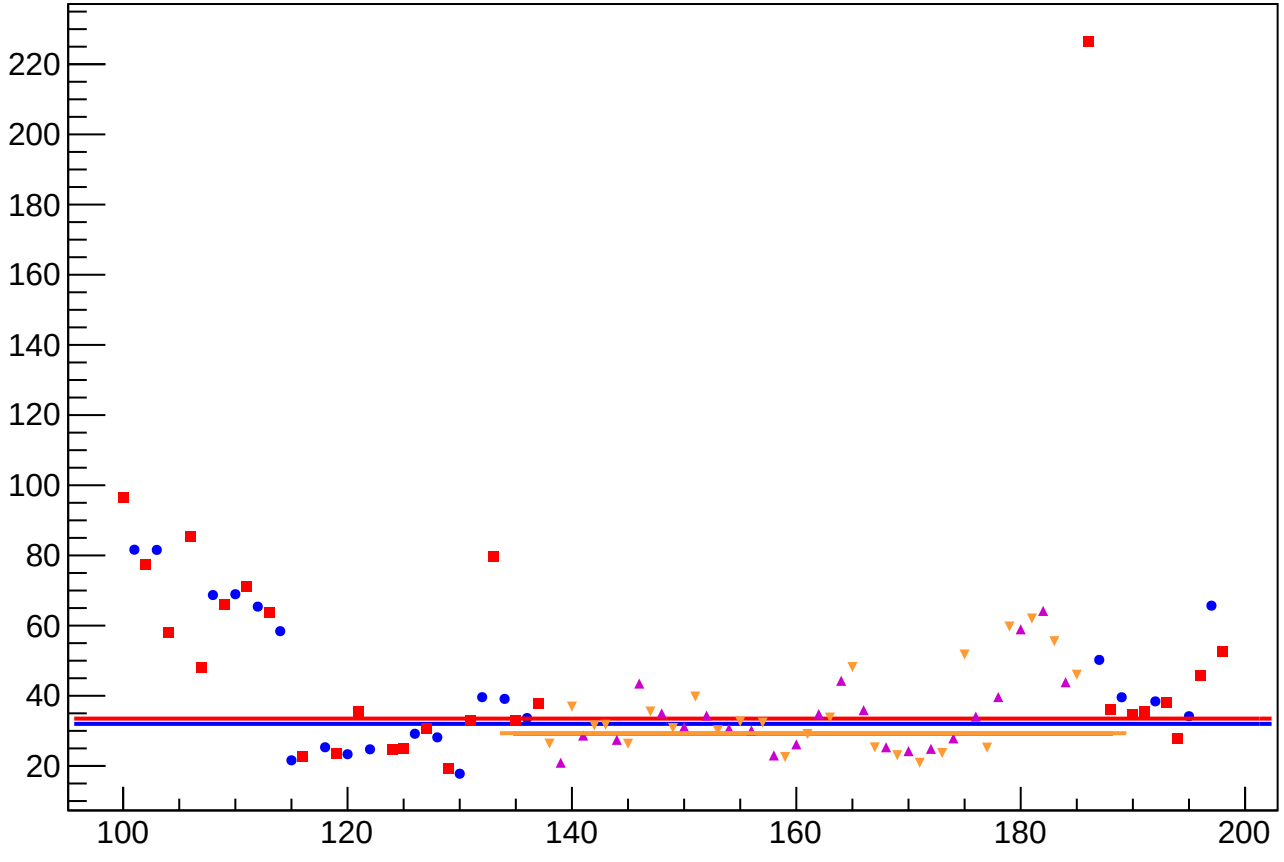
Right: 0.005+/-0.008 χ^2/NDF: 36.2/47

In: 0.008+/-0.006 χ^2/NDF:48.0/43

Out: 0.002+/-0.006 χ^2/NDF:52.6/51

All: 0.005+/-0.004 χ^2/NDF: 101.1/95

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.995+/-0.008 χ^2/NDF: 3056671.3/20

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 33.493+/-0.007 χ^2/NDF: 3646559.5/26

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

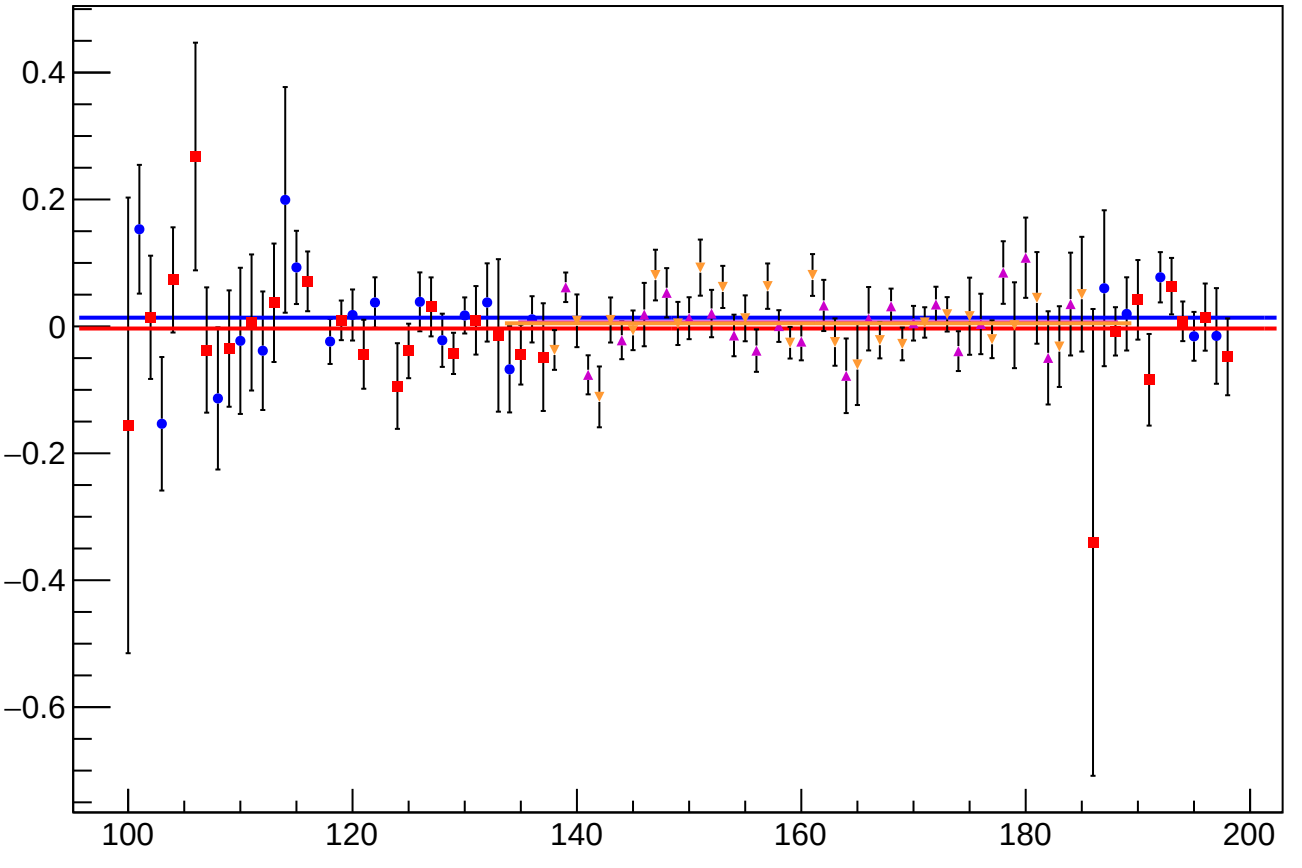
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 32.779+/-0.005 χ^2/NDF: 6722497.4/47

In: 30.062+/-0.004 χ^2/NDF:5242014.7/43

Out: 30.637+/-0.004 χ^2/NDF:6547588.8/51

All: 30.358+/-0.003 χ^2/NDF: 11798839.0/95



Right In: 0.014+/-0.011 χ^2/NDF: 16.7/20

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.003+/-0.011 χ^2/NDF: 18.3/26

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

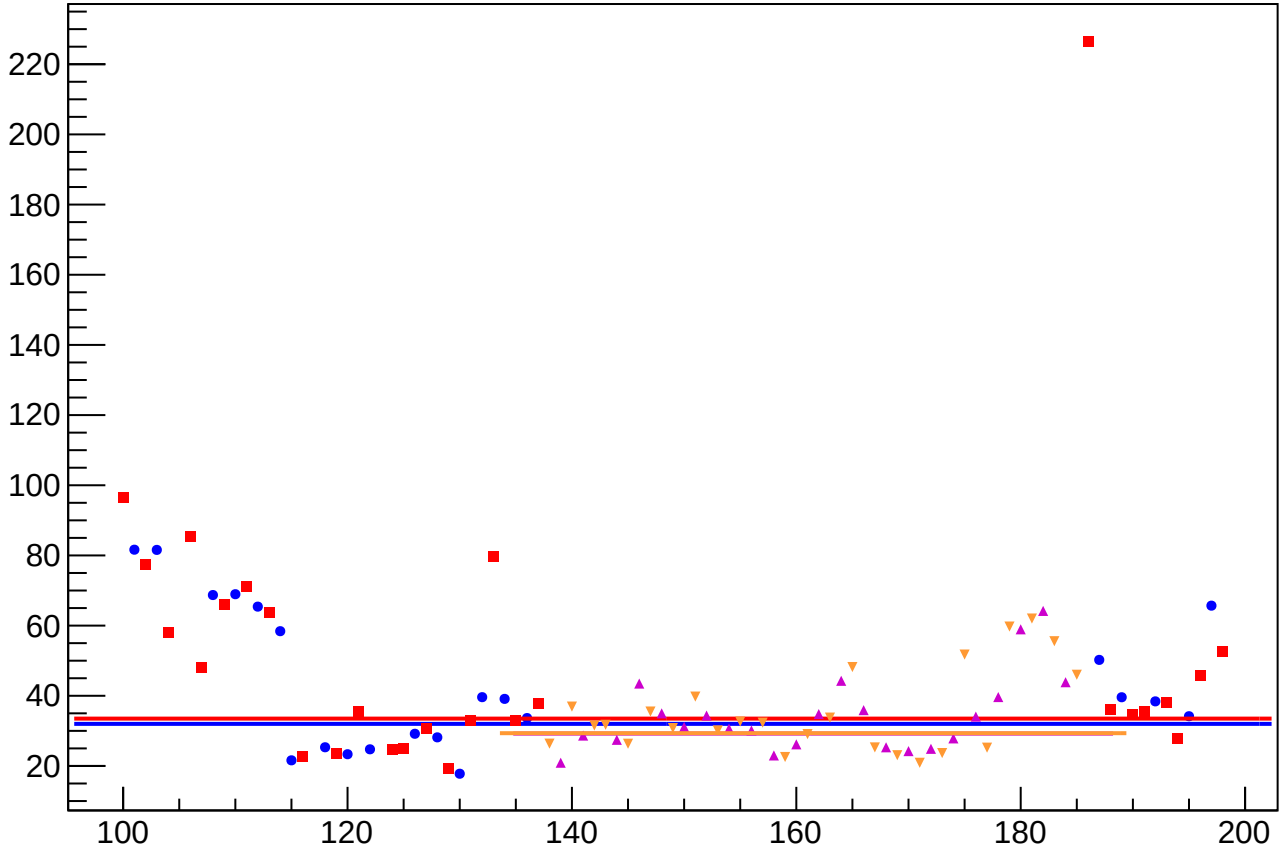
Right: 0.005+/-0.008 χ^2/NDF: 36.2/47

In: 0.008+/-0.006 χ^2/NDF:48.0/43

Out: 0.002+/-0.006 χ^2/NDF:52.6/51

All: 0.005+/-0.004 χ^2/NDF: 101.1/95

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.995+/-0.008 χ^2/NDF: 3056671.3/20

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 33.493+/-0.007 χ^2/NDF: 3646559.5/26

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

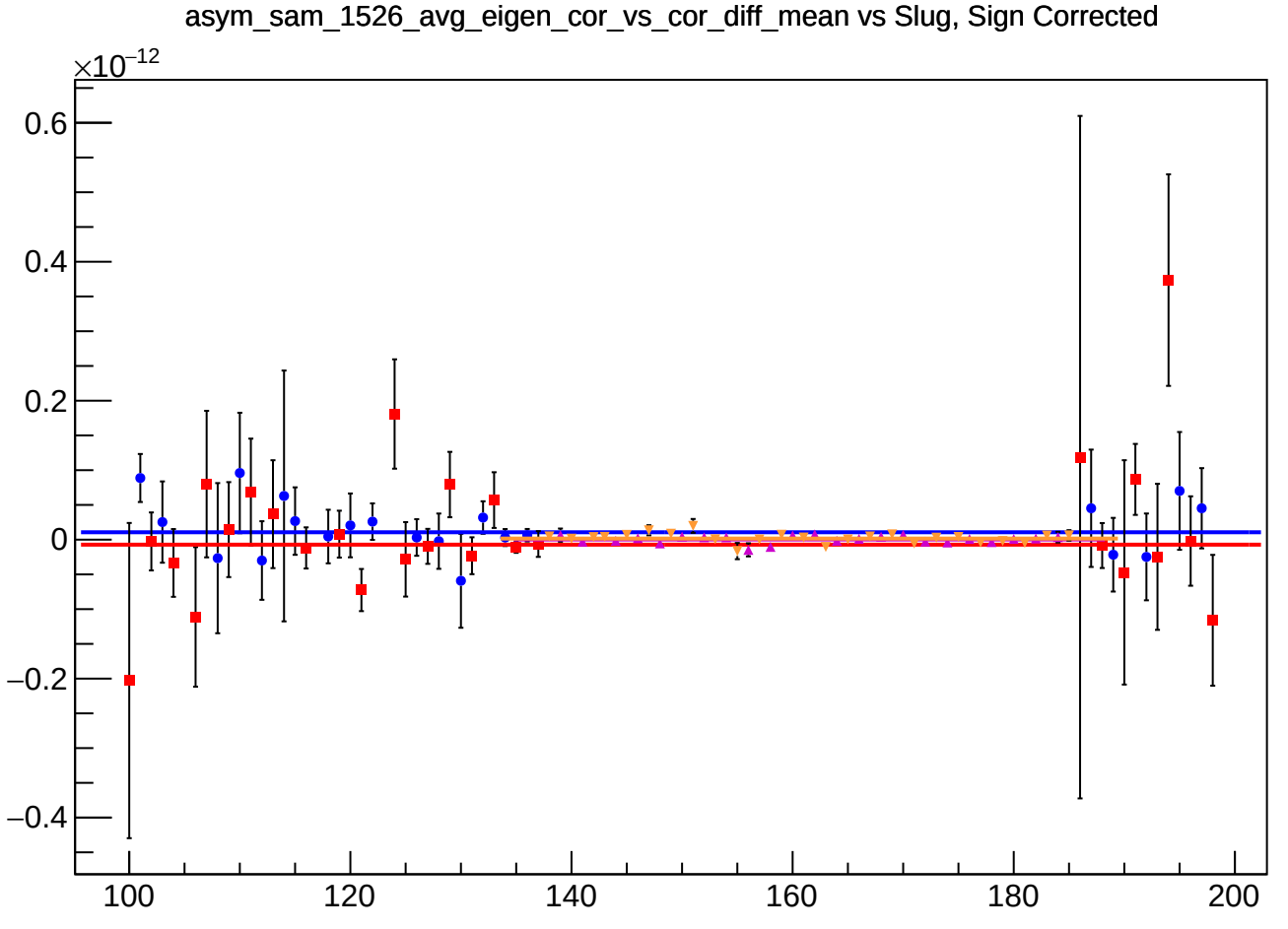
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 32.779+/-0.005 χ^2/NDF: 6722497.4/47

In: 30.062+/-0.004 χ^2/NDF:5242014.7/43

Out: 30.637+/-0.004 χ^2/NDF:6547588.8/51

All: 30.358+/-0.003 χ^2/NDF: 11798839.0/95



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.6/26

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

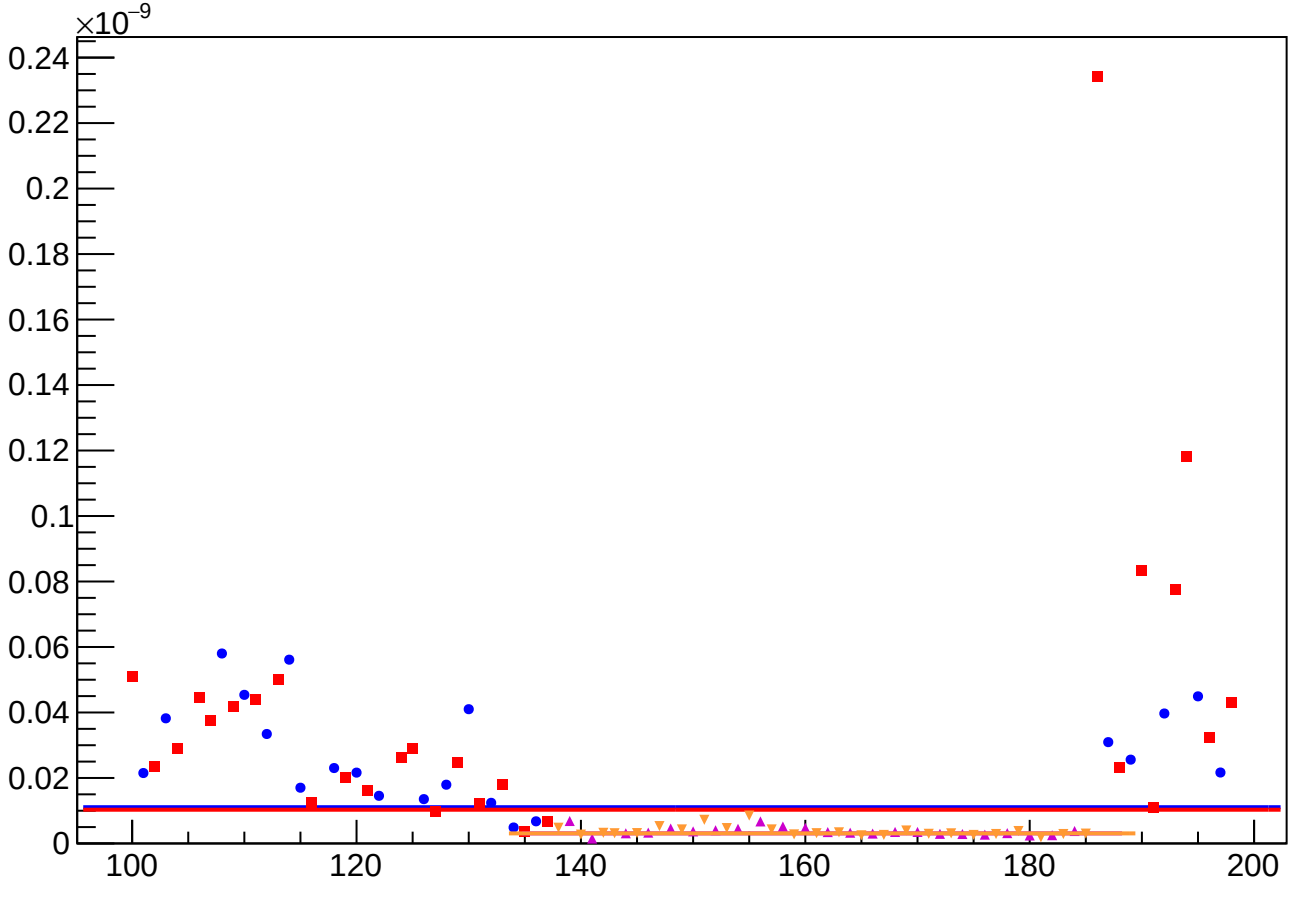
Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

Right: 0.000+/-0.000 χ^2/NDF: 49.1/47

In: 0.000+/-0.000 χ^2/NDF:33.4/43

Out: 0.000+/-0.000 χ^2/NDF:69.9/51

All: 0.000+/-0.000 χ^2/NDF: 103.7/95



Right In: 0.000+/-0.000 χ^2/NDF: 4617214.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8043655.4/26

Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

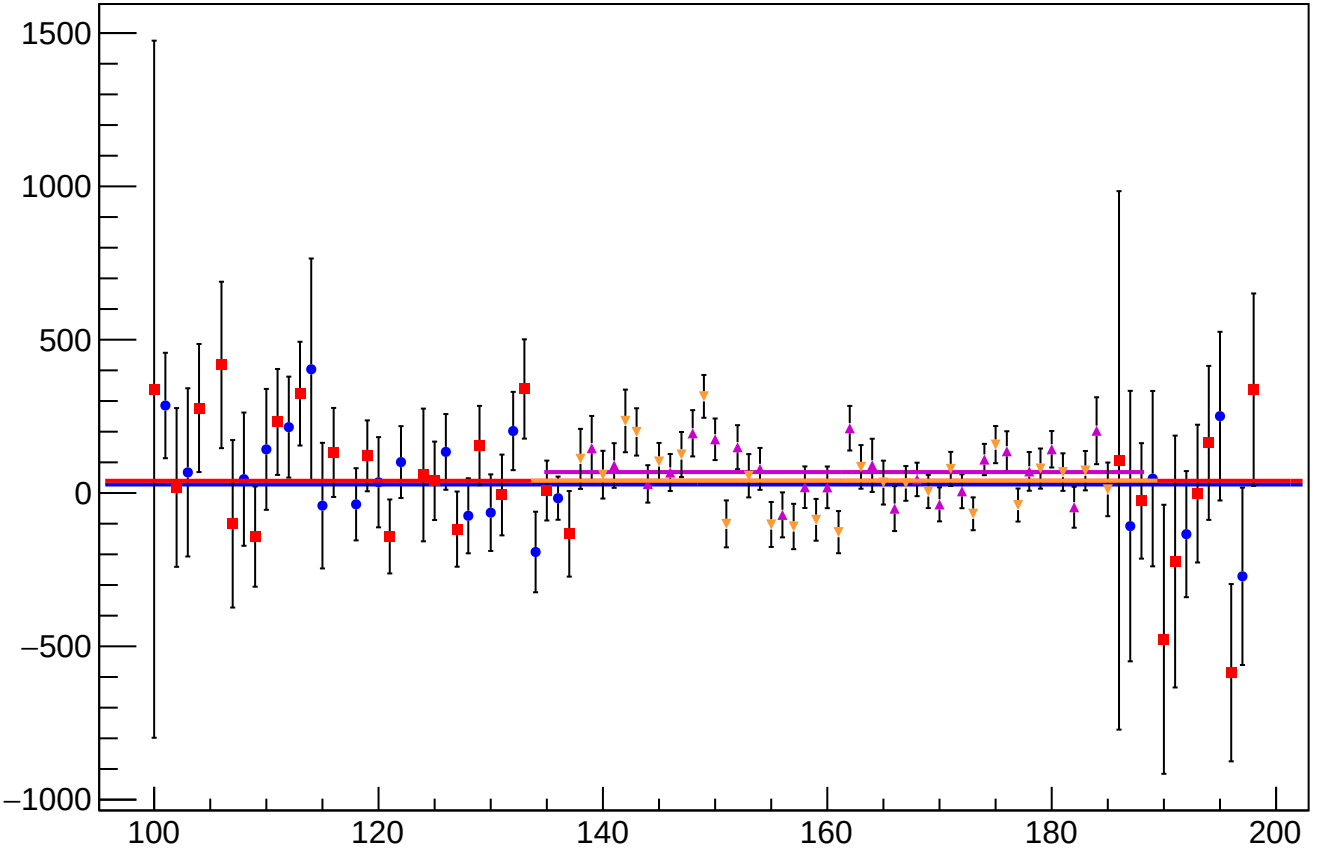
Right: 0.000+/-0.000 χ^2/NDF: 12678520.1/47

In: 0.000+/-0.000 χ^2/NDF:10376707.7/43

Out: 0.000+/-0.000 χ^2/NDF:13159404.8/51

All: 0.000+/-0.000 χ^2/NDF: 23536870.2/95

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 27.779+/-32.663 χ^2/NDF: 15.3/20

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: 39.966+/-32.938 χ^2/NDF: 27.5/26

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

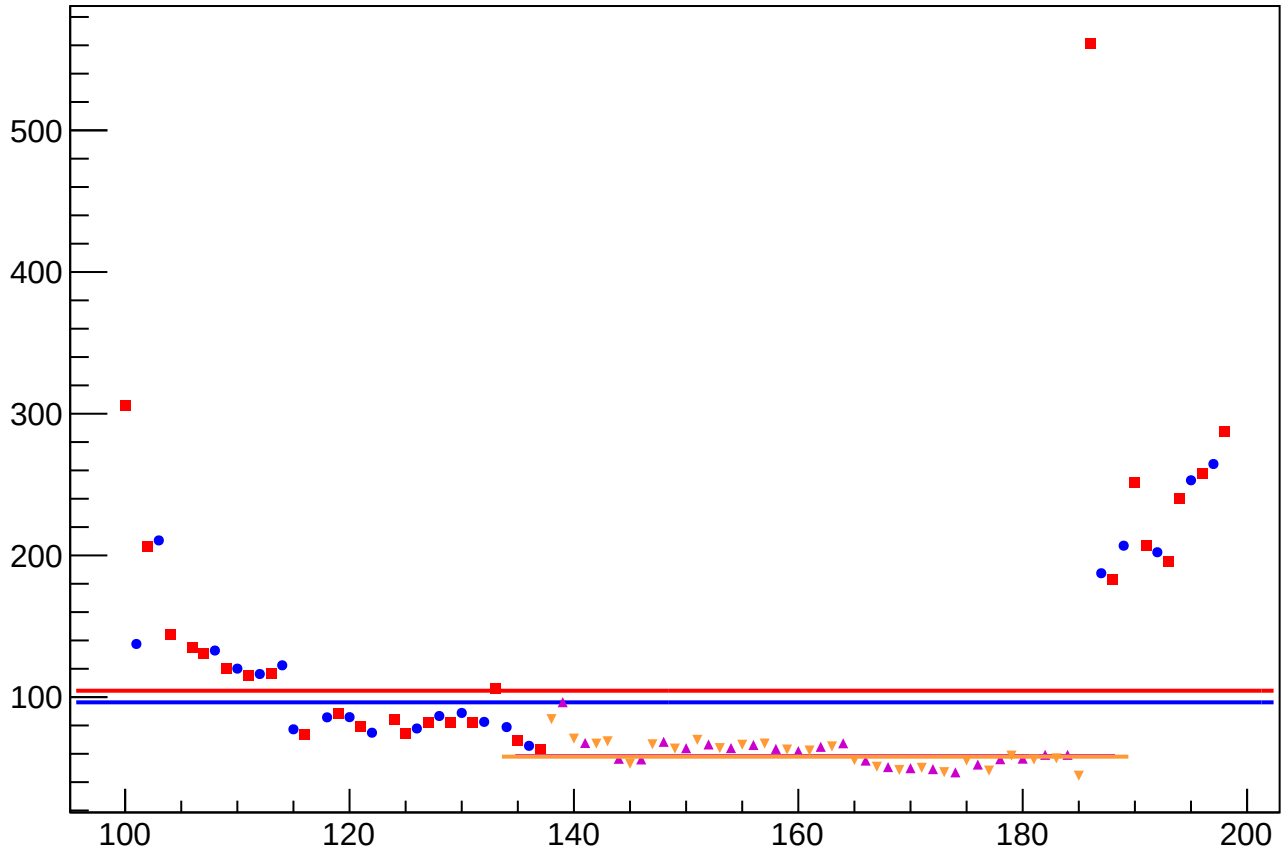
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: 33.821+/-23.193 χ^2/NDF: 42.8/47

In: 62.150+/-12.764 χ^2/NDF:48.3/43

Out: 40.289+/-12.414 χ^2/NDF:86.9/51

All: 50.915+/-8.899 χ^2/NDF: 136.7/95



Right In: 96.315+/-0.023 χ^2/NDF: 3441230.7/20

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

Right Out: 104.524+/-0.023 χ^2/NDF: 4883088.0/26

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

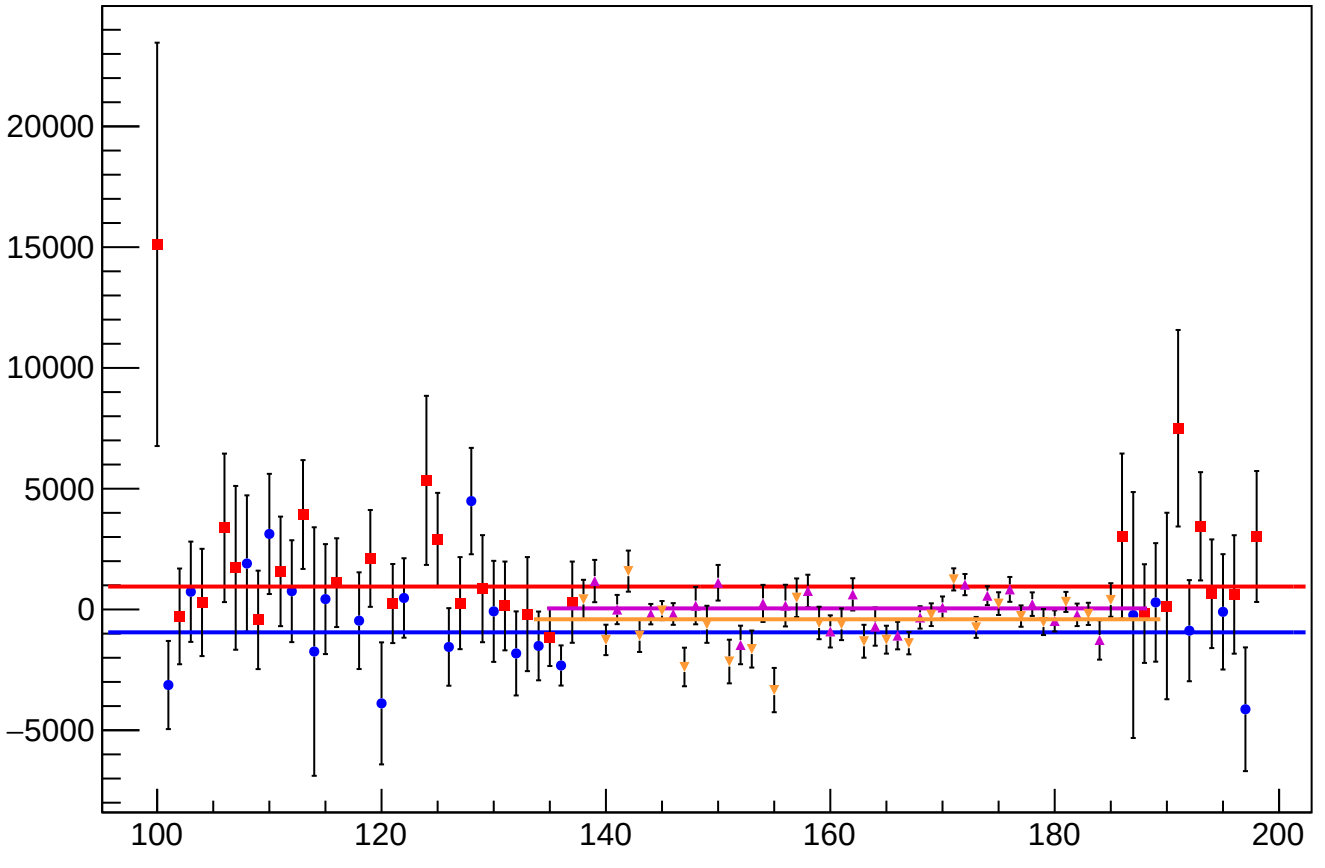
Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

Right: 100.385+/-0.016 χ^2/NDF: 8386947.1/47

In: 64.187+/-0.009 χ^2/NDF:6460293.4/43

Out: 64.605+/-0.009 χ^2/NDF:9114853.0/51

All: 64.402+/-0.006 χ^2/NDF: 15576246.3/95



Right In: -946.848+/-411.520 χ^2/NDF: 20.5/20

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: 948.406+/-418.135 χ^2/NDF: 18.4/26

Left In: 44.831+/-115.765 χ^2/NDF:31.1/22

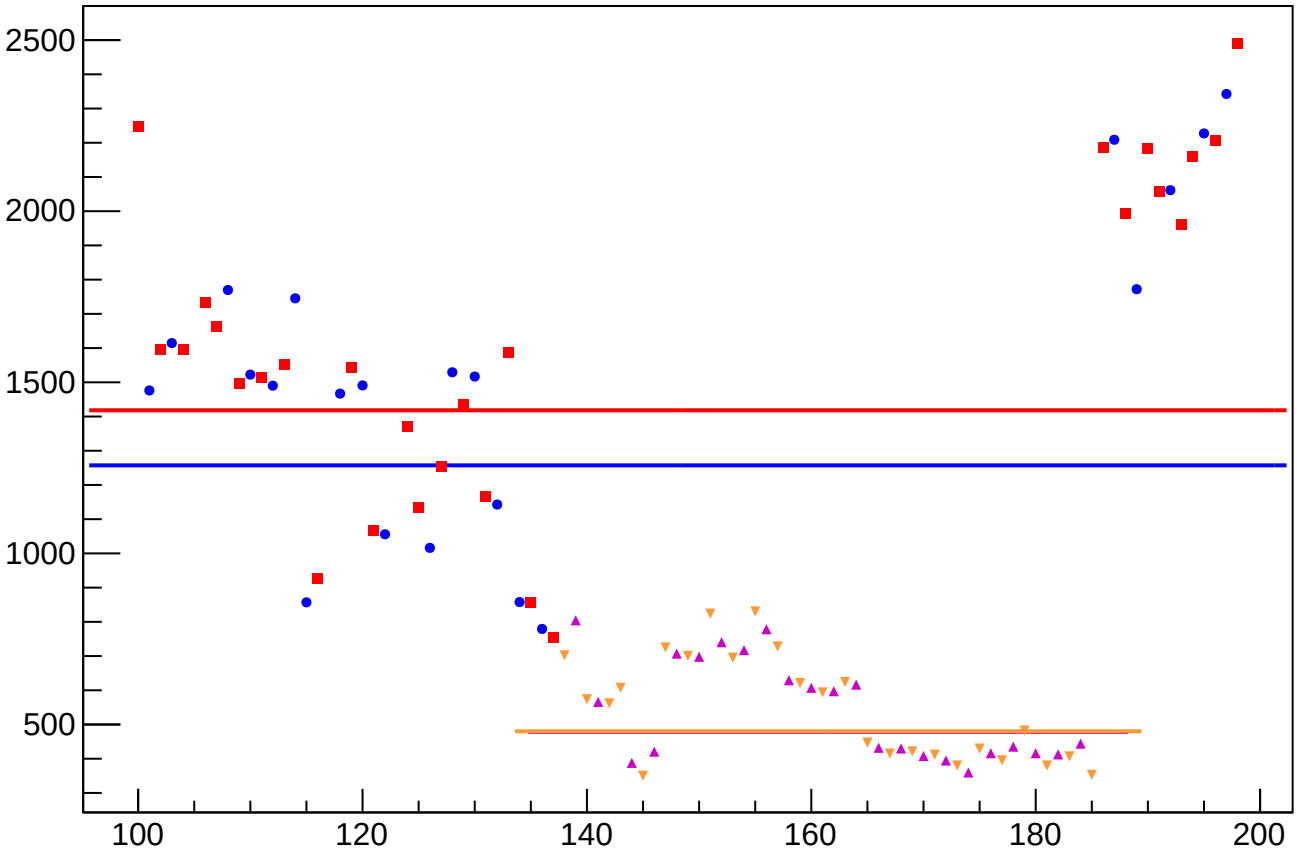
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

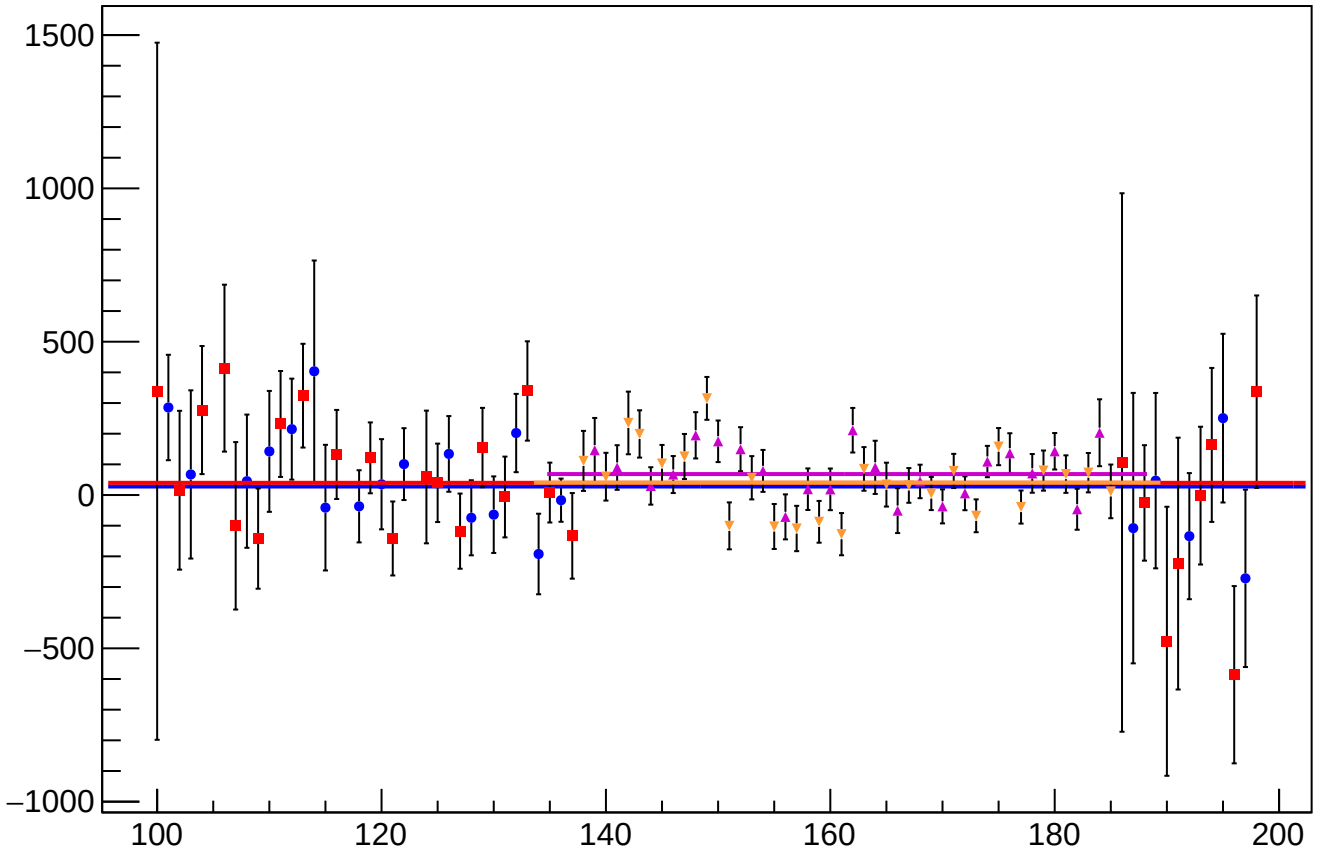
Right: -14.331+/-293.299 χ^2/NDF: 49.3/47

In: -27.891+/-111.440 χ^2/NDF:56.9/43

Out: -313.403+/-109.507 χ^2/NDF:91.3/51

All: -173.144+/-78.107 χ^2/NDF: 151.6/95


asym_sam_3726_avg_reg_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1257.322+/-0.291 χ²/NDF: 2425891.0/20
Left Out: 480.162+/-0.080 χ²/NDF:2582213.9/24
Right Out: 1418.216+/-0.296 χ²/NDF: 2434731.4/26
Left In: 478.084+/-0.082 χ²/NDF:2215520.4/22
Left: 479.144+/-0.057 χ²/NDF: 4798063.1/47
Right: 1336.486+/-0.207 χ²/NDF: 5011045.8/47
In: 535.227+/-0.079 χ²/NDF:11286684.0/43
Out: 544.502+/-0.077 χ²/NDF:14392438.3/51
All: 539.945+/-0.055 χ²/NDF: 25686170.0/95



Right In: 27.770+/-32.663 χ^2/NDF: 15.3/20

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 39.830+/-32.939 χ^2/NDF: 27.4/26

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

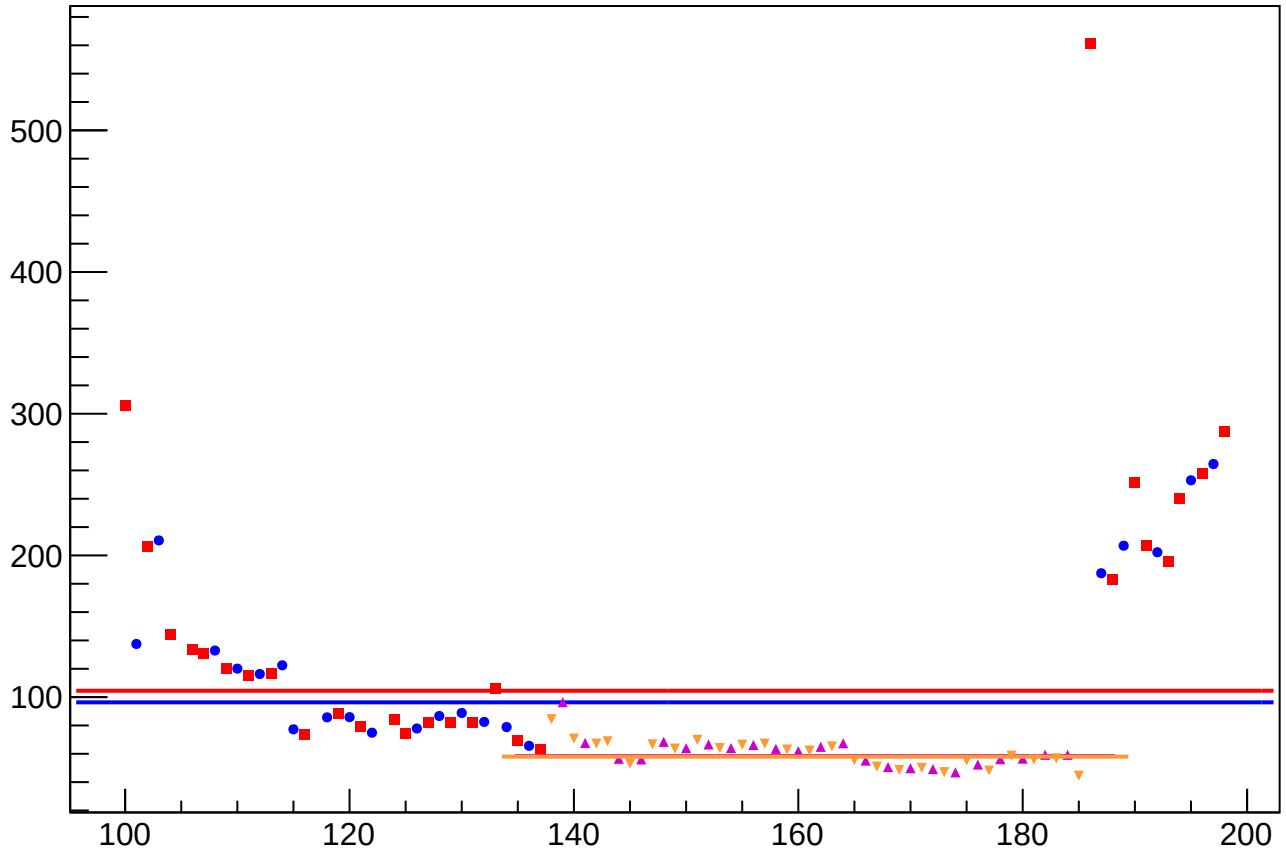
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 33.749+/-23.193 χ^2/NDF: 42.8/47

In: 62.148+/-12.764 χ^2/NDF:48.3/43

Out: 40.271+/-12.414 χ^2/NDF:86.8/51

All: 50.905+/-8.899 χ^2/NDF: 136.7/95



Right In: 96.315+/-0.023 χ^2/NDF: 3441233.6/20

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 104.492+/-0.023 χ^2/NDF: 4880107.6/26

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

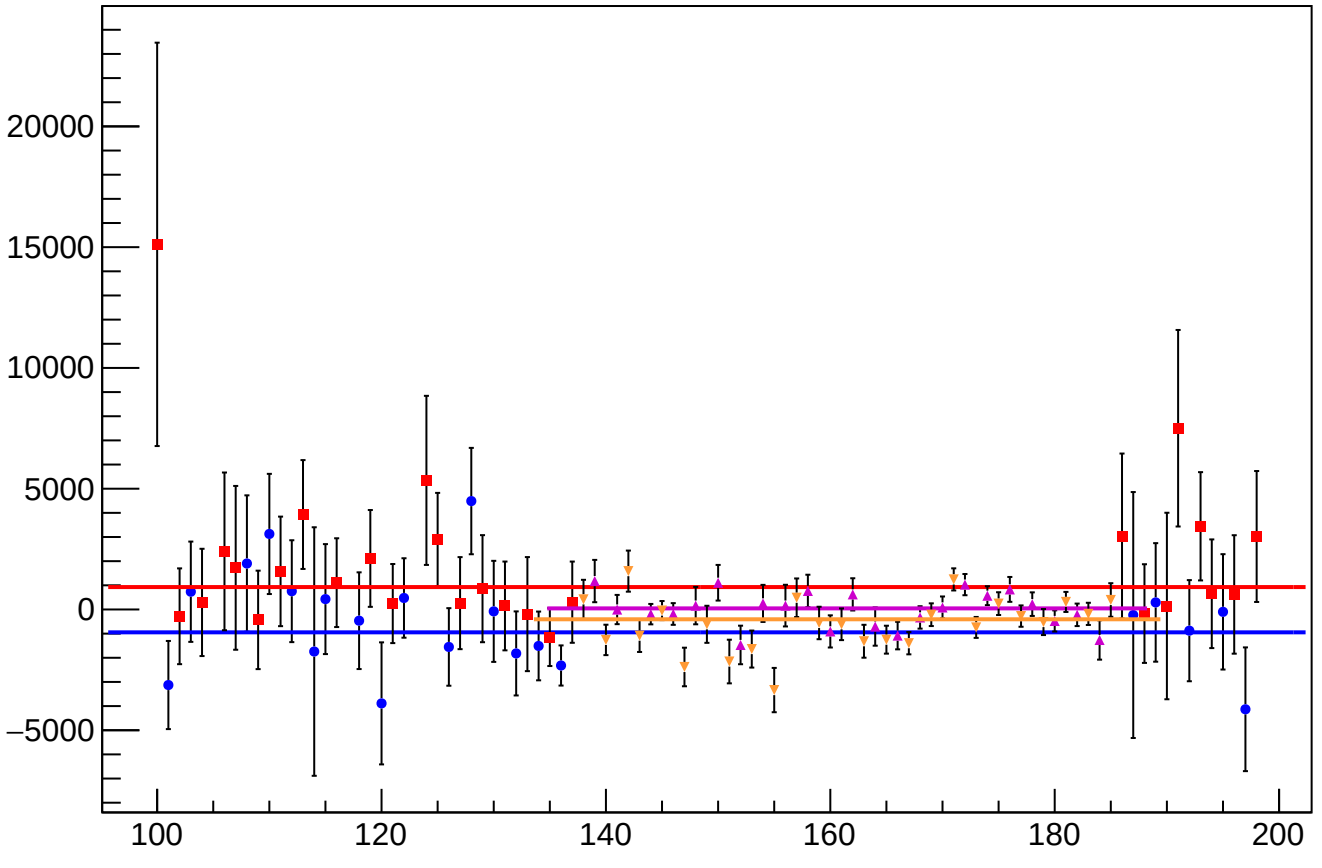
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

Right: 100.369+/-0.016 χ^2/NDF: 8383485.9/47

In: 64.187+/-0.009 χ^2/NDF:6460295.7/43

Out: 64.599+/-0.009 χ^2/NDF:9106910.0/51

All: 64.399+/-0.006 χ^2/NDF: 15568278.8/95



Right In: -946.822+/-411.521 χ^2/NDF: 20.5/20

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 927.613+/-418.590 χ^2/NDF: 17.9/26

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

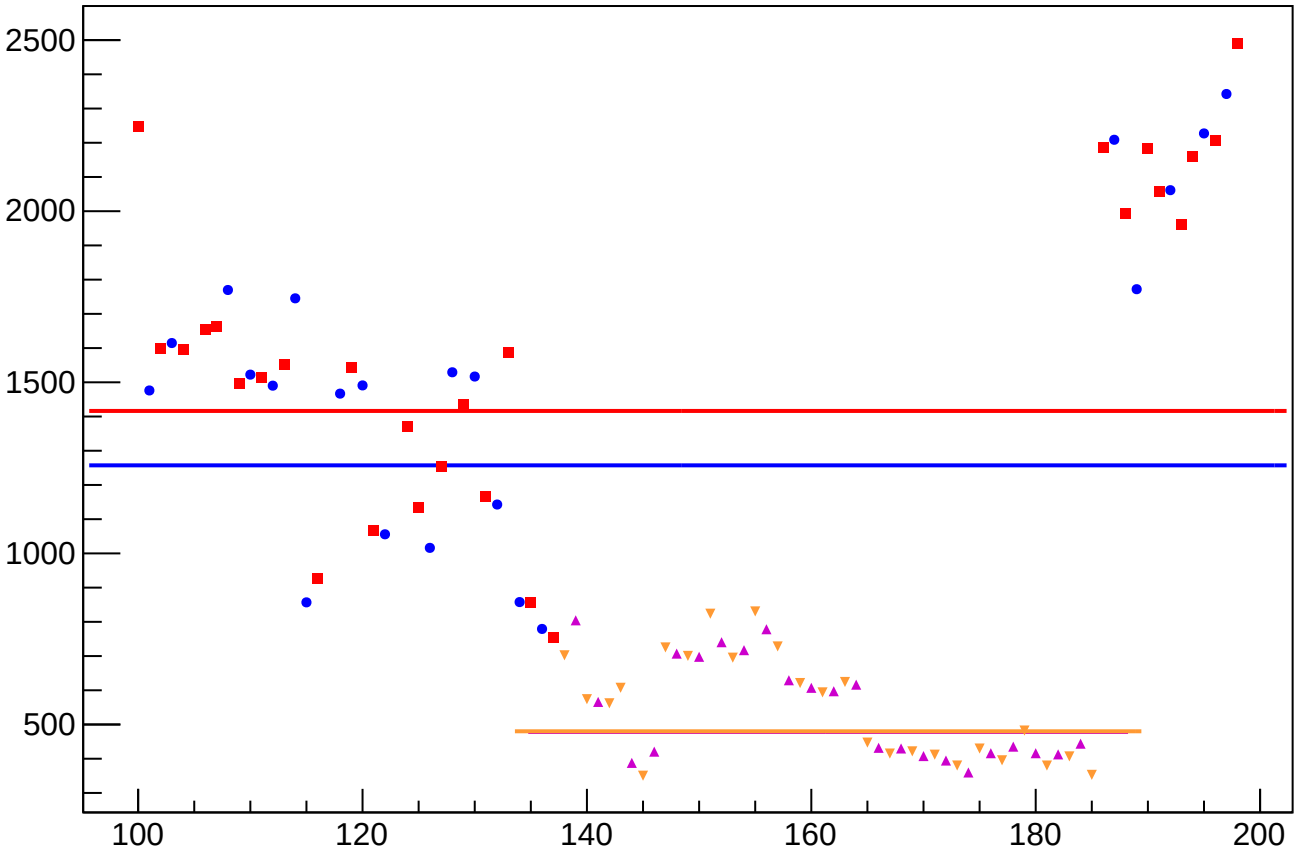
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -25.565+/-293.457 χ^2/NDF: 48.6/47

In: -27.890+/-111.440 χ^2/NDF:56.9/43

Out: -315.012+/-109.515 χ^2/NDF:90.6/51

All: -173.952+/-78.110 χ^2/NDF: 150.9/95



Right In: 1257.324+/-0.291 χ^2/NDF: 2425922.5/20

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1416.308+/-0.296 χ^2/NDF: 2424398.5/26

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

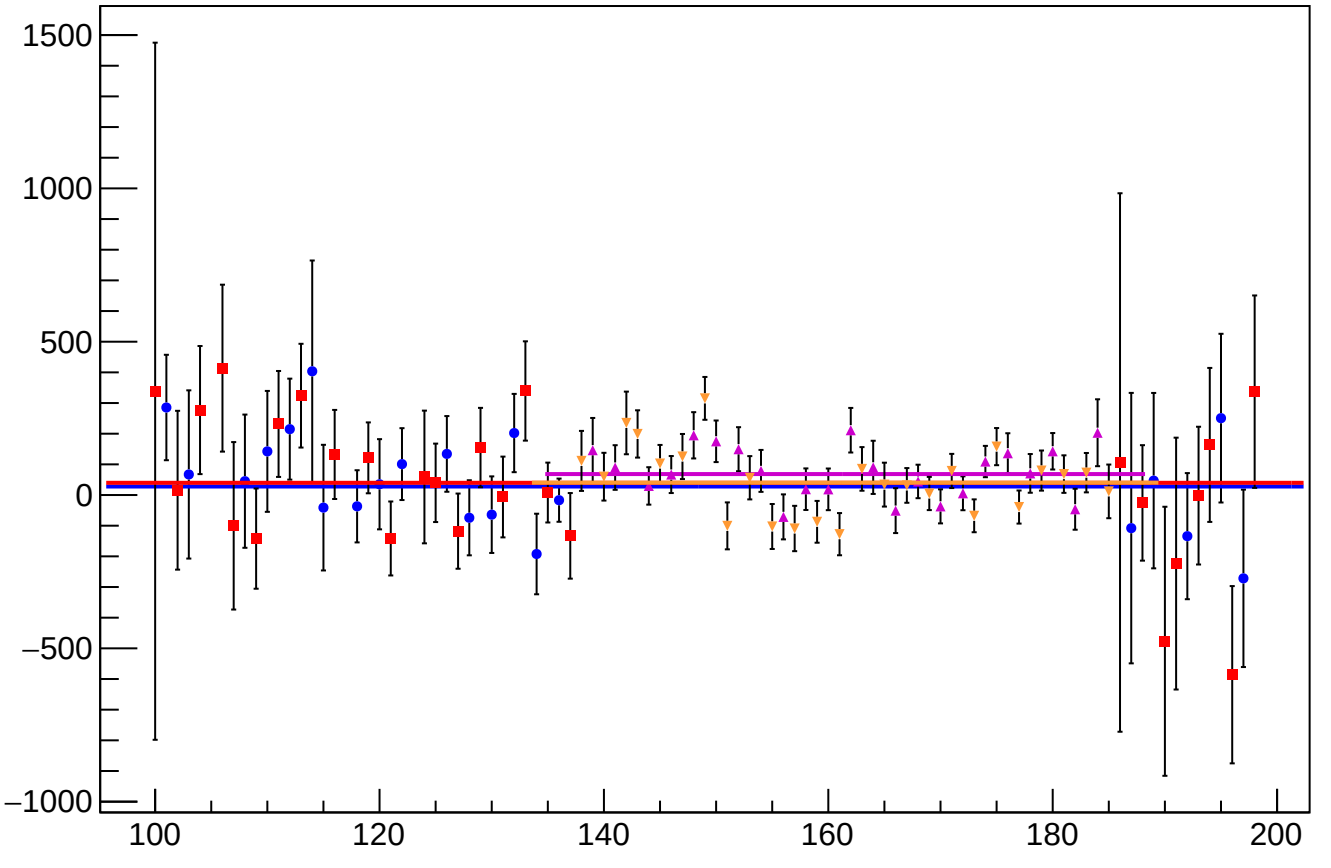
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1335.463+/-0.208 χ^2/NDF: 4997033.0/47

In: 535.227+/-0.079 χ^2/NDF:11286710.4/43

Out: 544.241+/-0.077 χ^2/NDF:14325120.7/51

All: 539.813+/-0.055 χ^2/NDF: 25618487.5/95



Right In: 27.770+/-32.663 χ^2/NDF: 15.3/20

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 39.830+/-32.939 χ^2/NDF: 27.4/26

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

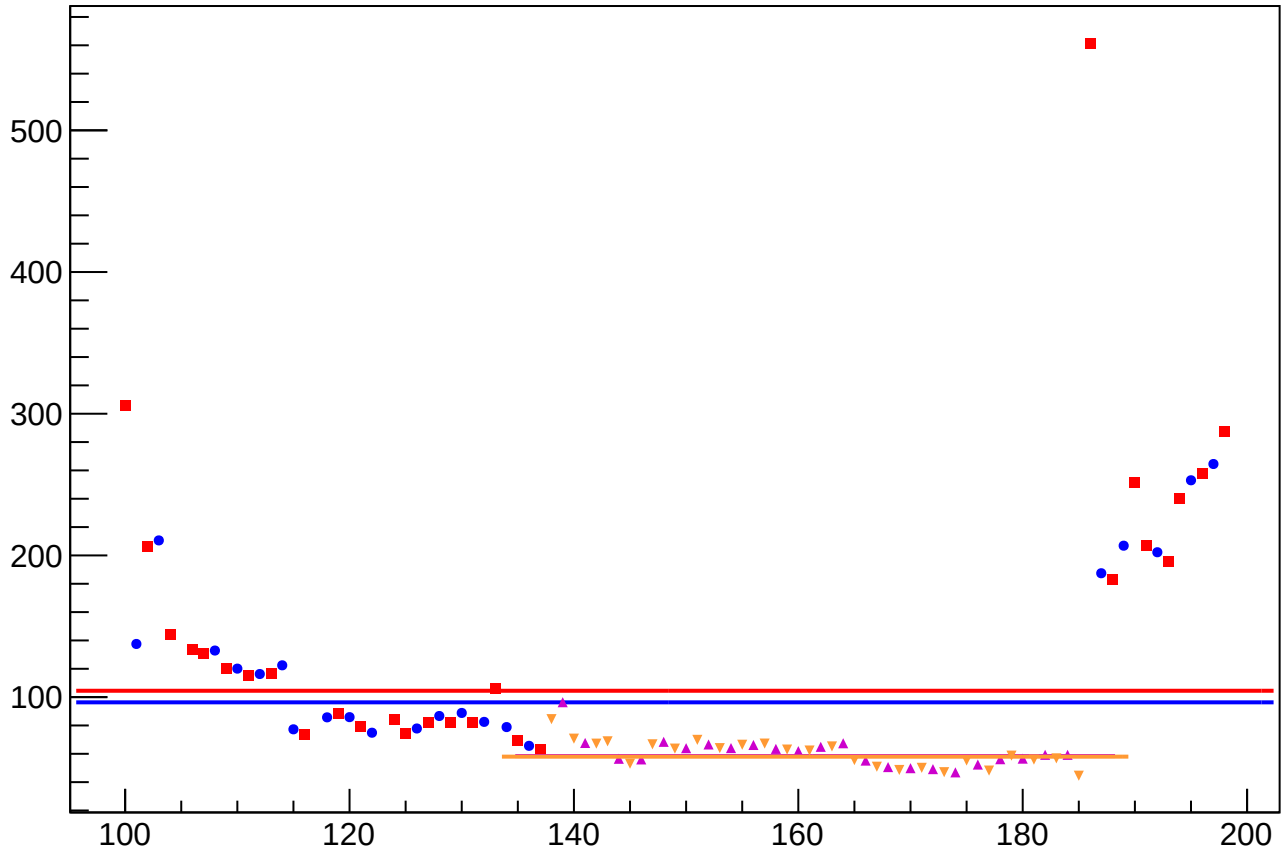
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 33.749+/-23.193 χ^2/NDF: 42.8/47

In: 62.148+/-12.764 χ^2/NDF:48.3/43

Out: 40.271+/-12.414 χ^2/NDF:86.8/51

All: 50.905+/-8.899 χ^2/NDF: 136.7/95



Right In: 96.315+/-0.023 χ^2/NDF: 3441233.6/20

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 104.492+/-0.023 χ^2/NDF: 4880107.6/26

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

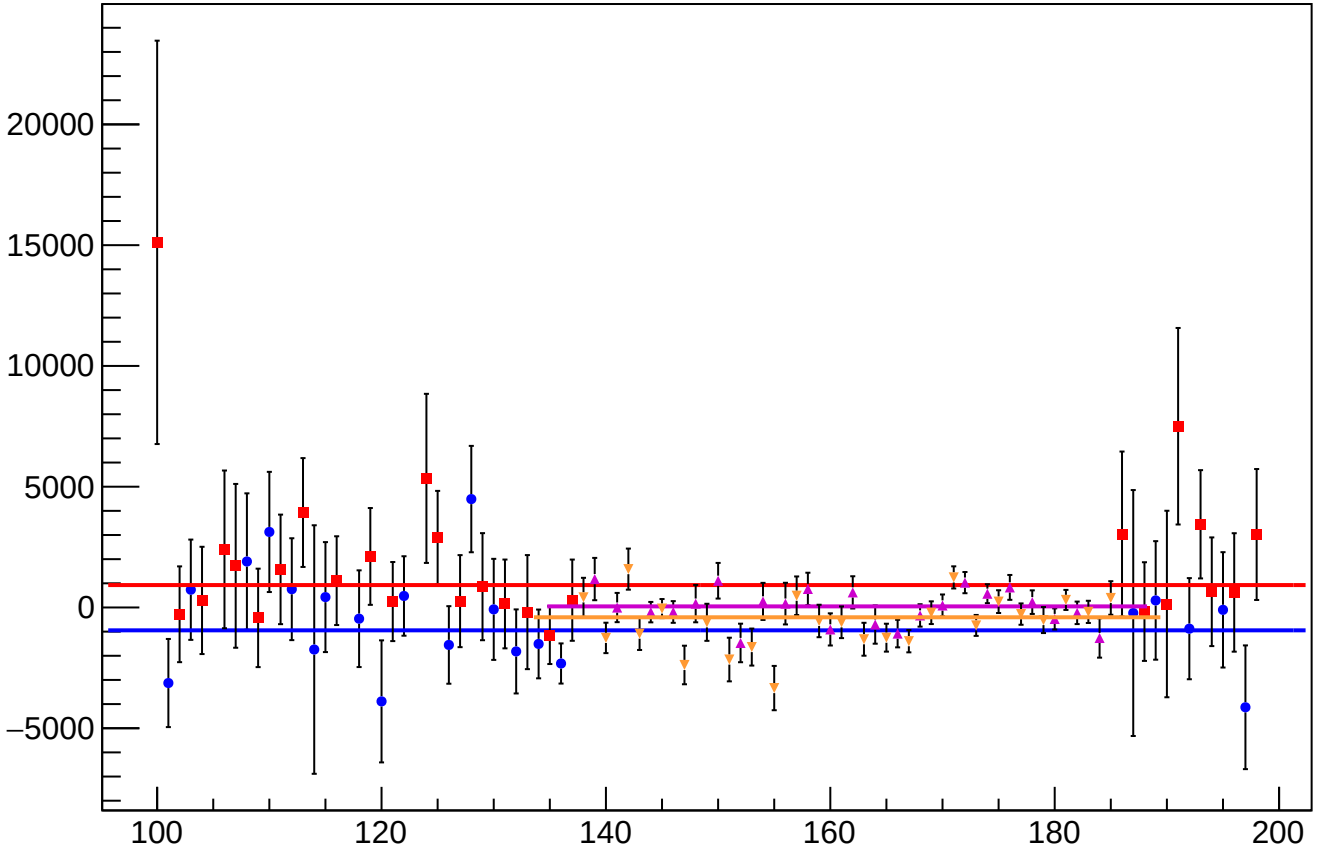
Right: 100.369+/-0.016 χ^2/NDF: 8383485.9/47

In: 64.187+/-0.009 χ^2/NDF:6460295.7/43

Out: 64.599+/-0.009 χ^2/NDF:9106910.0/51

All: 64.399+/-0.006 χ^2/NDF: 15568278.8/95

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -946.822+/-411.521 χ^2/NDF: 20.5/20

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 927.613+/-418.590 χ^2/NDF: 17.9/26

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

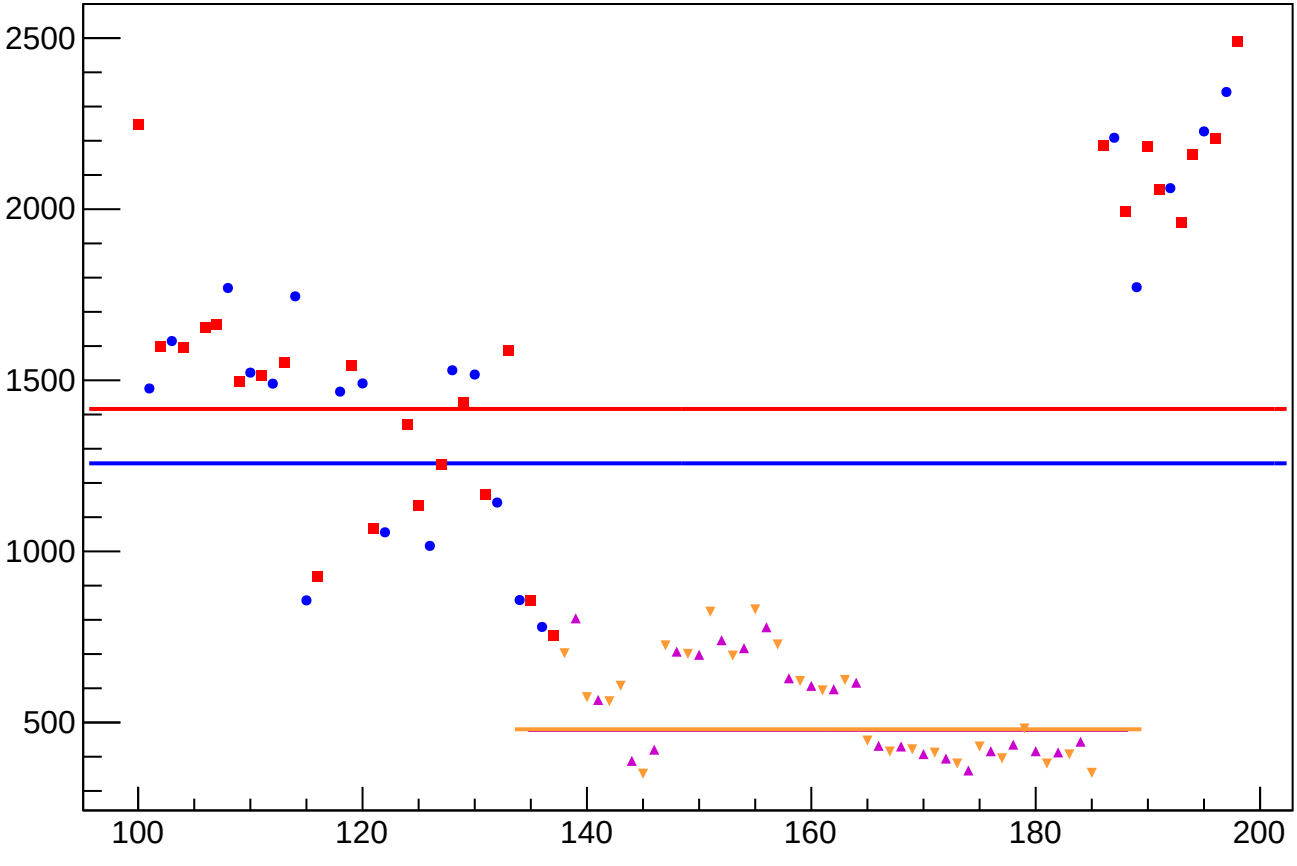
Right: -25.565+/-293.457 χ^2/NDF: 48.6/47

In: -27.890+/-111.440 χ^2/NDF:56.9/43

Out: -315.012+/-109.515 χ^2/NDF:90.6/51

All: -173.952+/-78.110 χ^2/NDF: 150.9/95

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1257.324+/-0.291 χ^2/NDF: 2425922.5/20

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1416.308+/-0.296 χ^2/NDF: 2424398.5/26

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

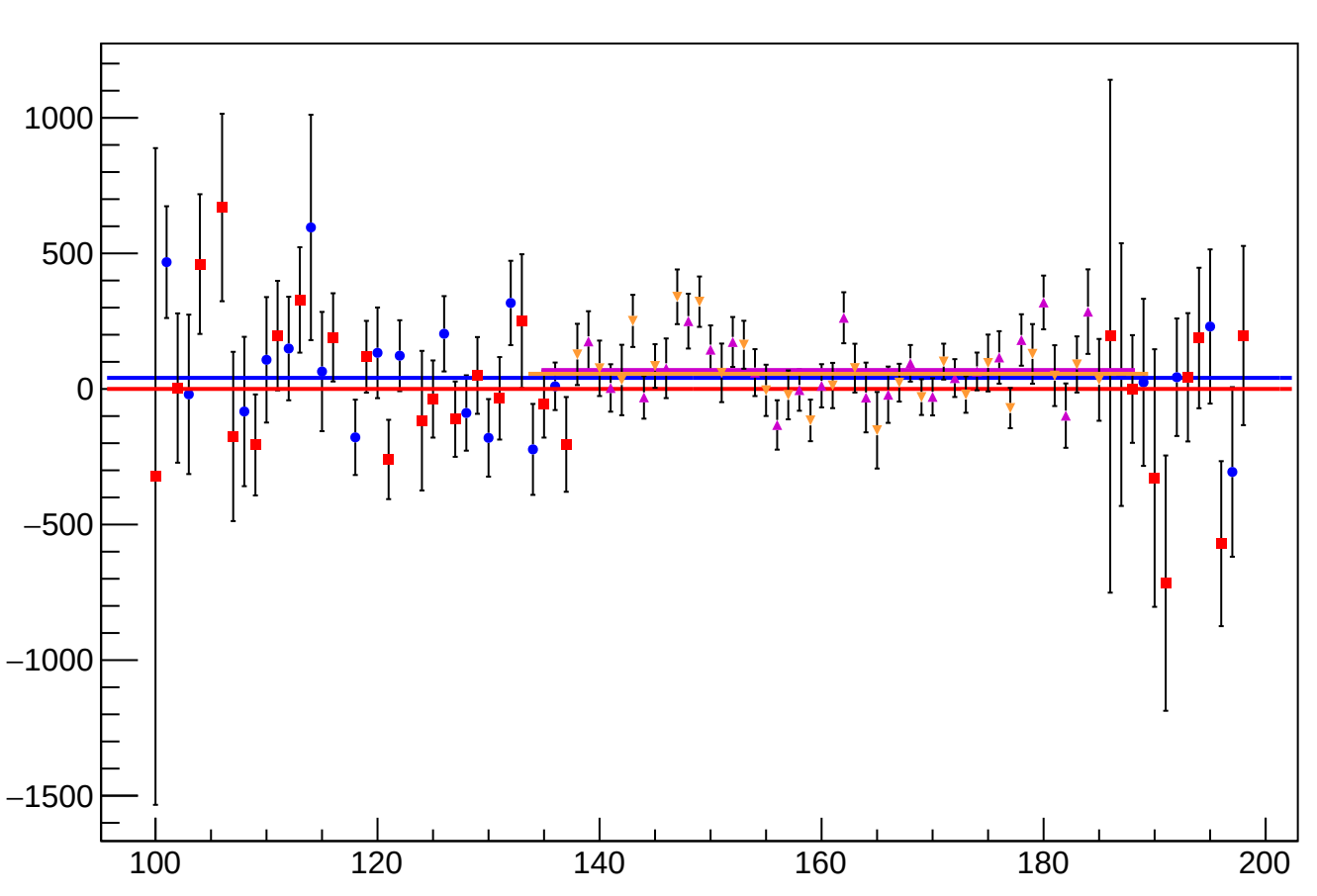
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1335.463+/-0.208 χ^2/NDF: 4997033.0/47

In: 535.227+/-0.079 χ^2/NDF:11286710.4/43

Out: 544.241+/-0.077 χ^2/NDF:14325120.7/51

All: 539.813+/-0.055 χ^2/NDF: 25618487.5/95



Right In: 40.881+/-38.199 χ^2/NDF: 22.0/20

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: 0.098+/-38.312 χ^2/NDF: 28.7/26

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

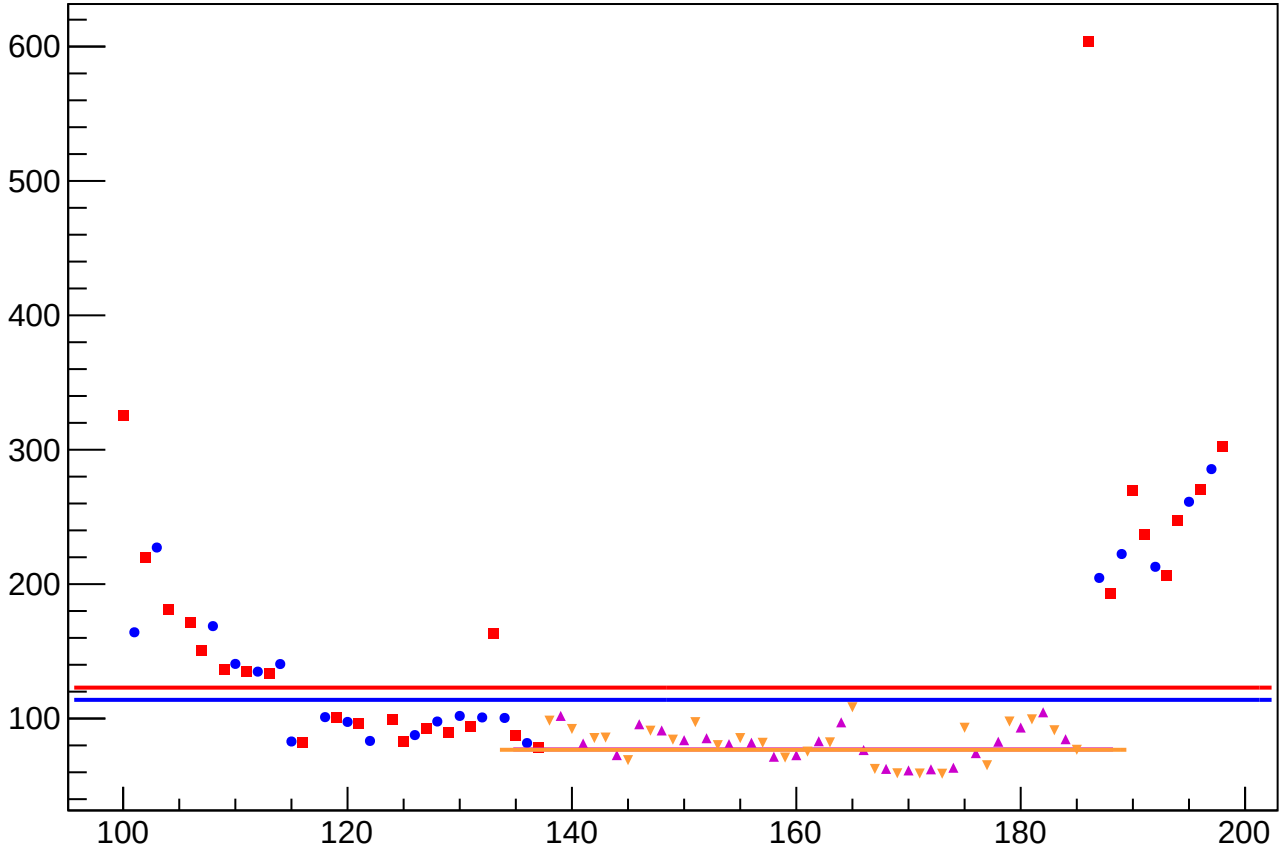
Right: 20.550+/-27.051 χ^2/NDF: 51.2/47

In: 64.343+/-16.648 χ^2/NDF:57.0/43

Out: 45.896+/-16.254 χ^2/NDF:68.7/51

All: 54.899+/-11.630 χ^2/NDF: 126.3/95

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 113.895+/-0.027 χ^2/NDF: 3024322.3/20

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 123.001+/-0.027 χ^2/NDF: 4379473.1/26

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

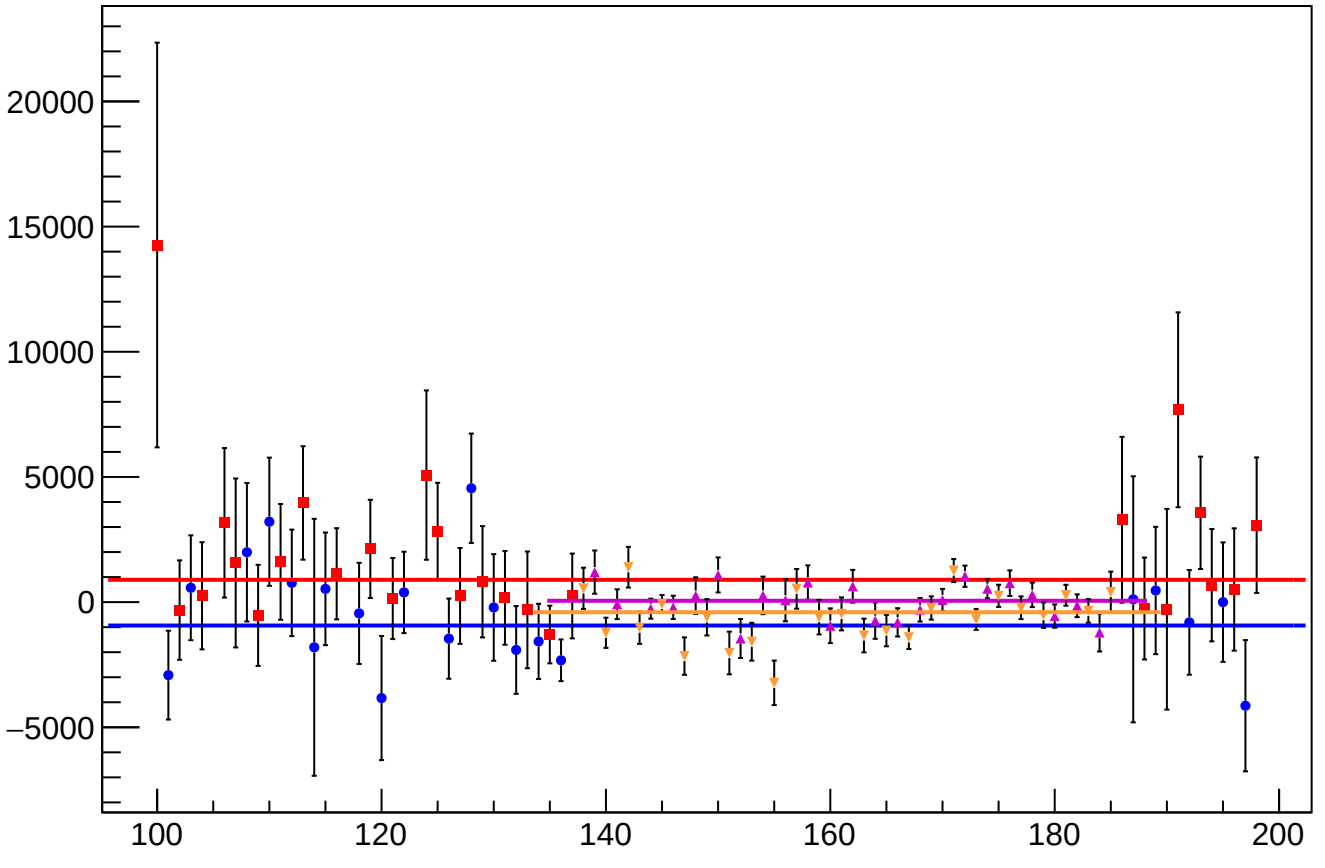
Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

Right: 118.435+/-0.019 χ^2/NDF: 7460461.7/47

In: 84.022+/-0.012 χ^2/NDF:5393104.5/43

Out: 85.069+/-0.011 χ^2/NDF:8004920.7/51

All: 84.558+/-0.008 χ^2/NDF: 13402078.3/95



Right In: -935.086+/-413.530 χ^2/NDF: 20.5/20

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 891.519+/-414.424 χ^2/NDF: 19.8/26

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

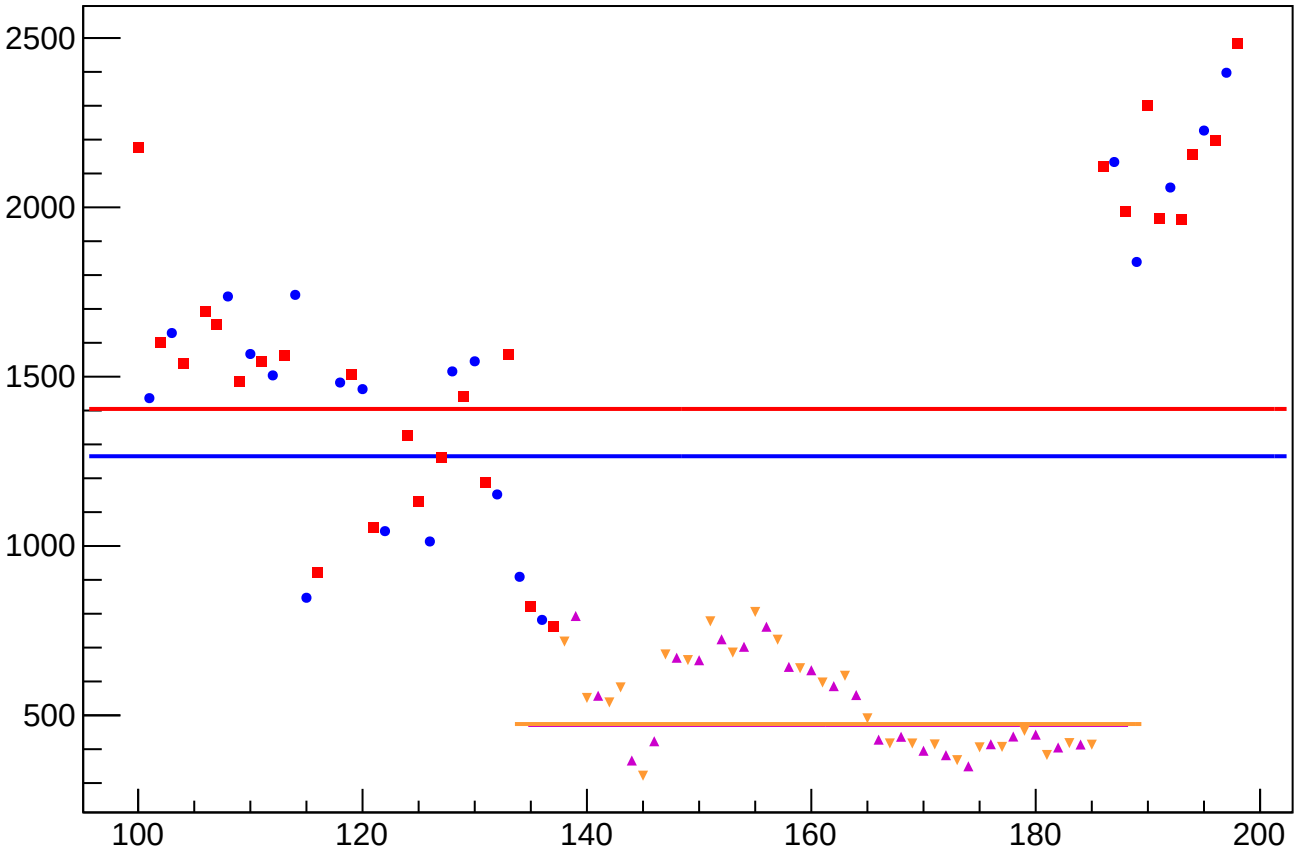
Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

Right: -23.756+/-292.726 χ^2/NDF: 50.0/47

In: -15.935+/-110.100 χ^2/NDF:56.5/43

Out: -315.569+/-107.917 χ^2/NDF:89.6/51

All: -168.752+/-77.069 χ^2/NDF: 149.9/95



Right In: 1265.059+/-0.292 χ^2/NDF: 2404156.5/20

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1404.726+/-0.293 χ^2/NDF: 2501166.6/26

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

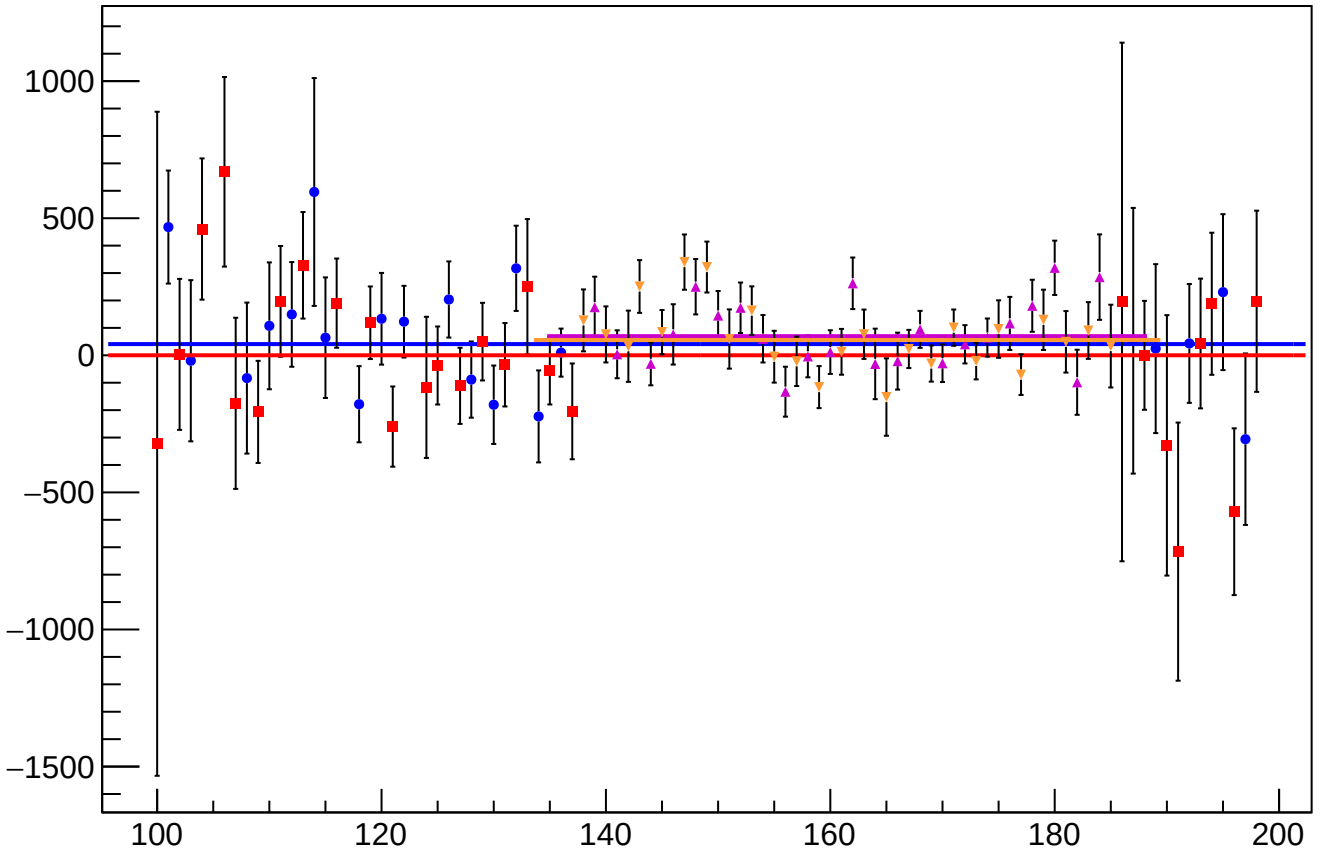
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1334.742+/-0.207 χ^2/NDF: 5019145.9/47

In: 527.712+/-0.078 χ^2/NDF:11457212.7/43

Out: 537.386+/-0.076 χ^2/NDF:14437685.0/51

All: 532.646+/-0.054 χ^2/NDF: 25902772.8/95



Right In: 40.881+/-38.199 χ^2/NDF: 22.0/20

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: 0.096+/-38.312 χ^2/NDF: 28.7/26

Left In: 69.843+/-18.497 χ^2/NDF:34.5/22

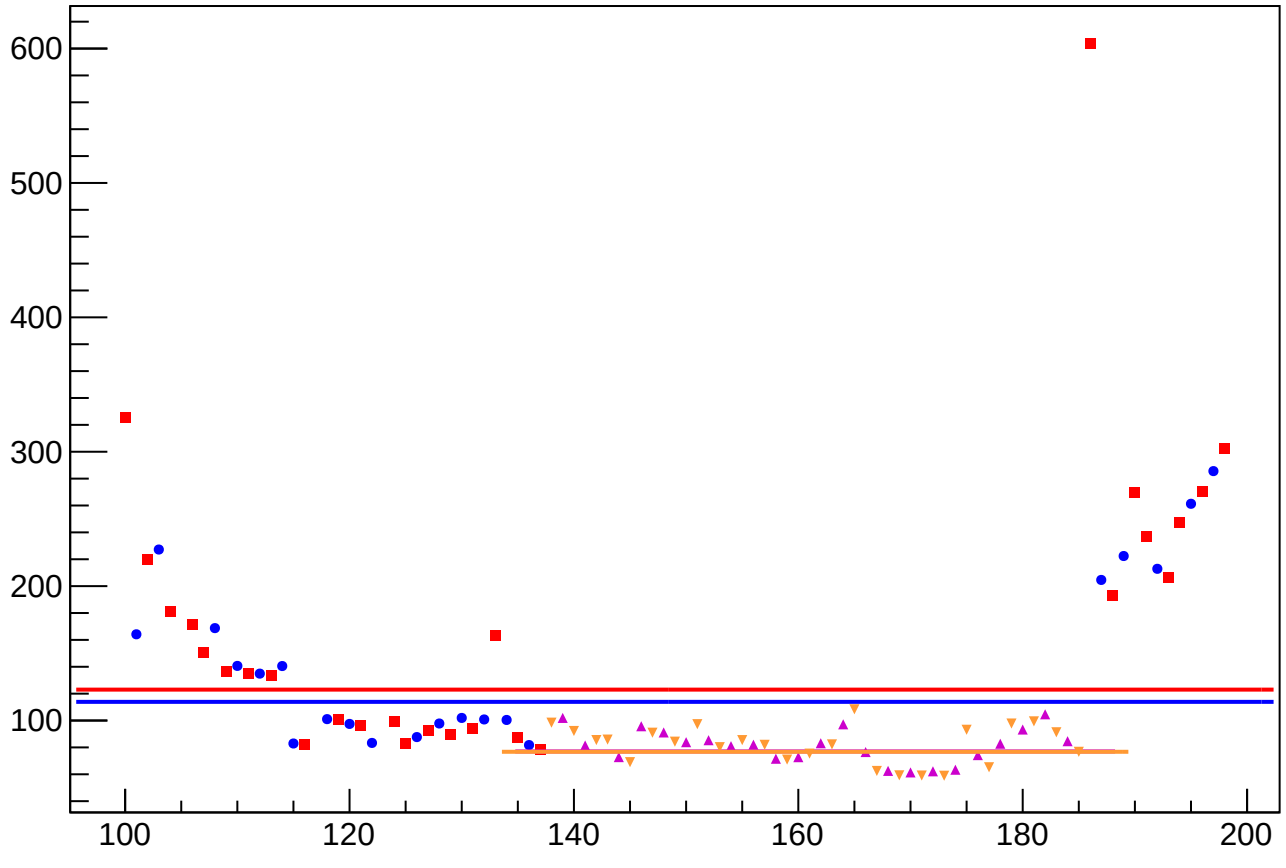
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 20.549+/-27.051 χ^2/NDF: 51.2/47

In: 64.342+/-16.648 χ^2/NDF:57.0/43

Out: 45.895+/-16.254 χ^2/NDF:68.7/51

All: 54.898+/-11.630 χ^2/NDF: 126.3/95



Right In: 113.894+/-0.027 χ^2/NDF: 3024323.6/20

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

Right Out: 123.001+/-0.027 χ^2/NDF: 4379478.5/26

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

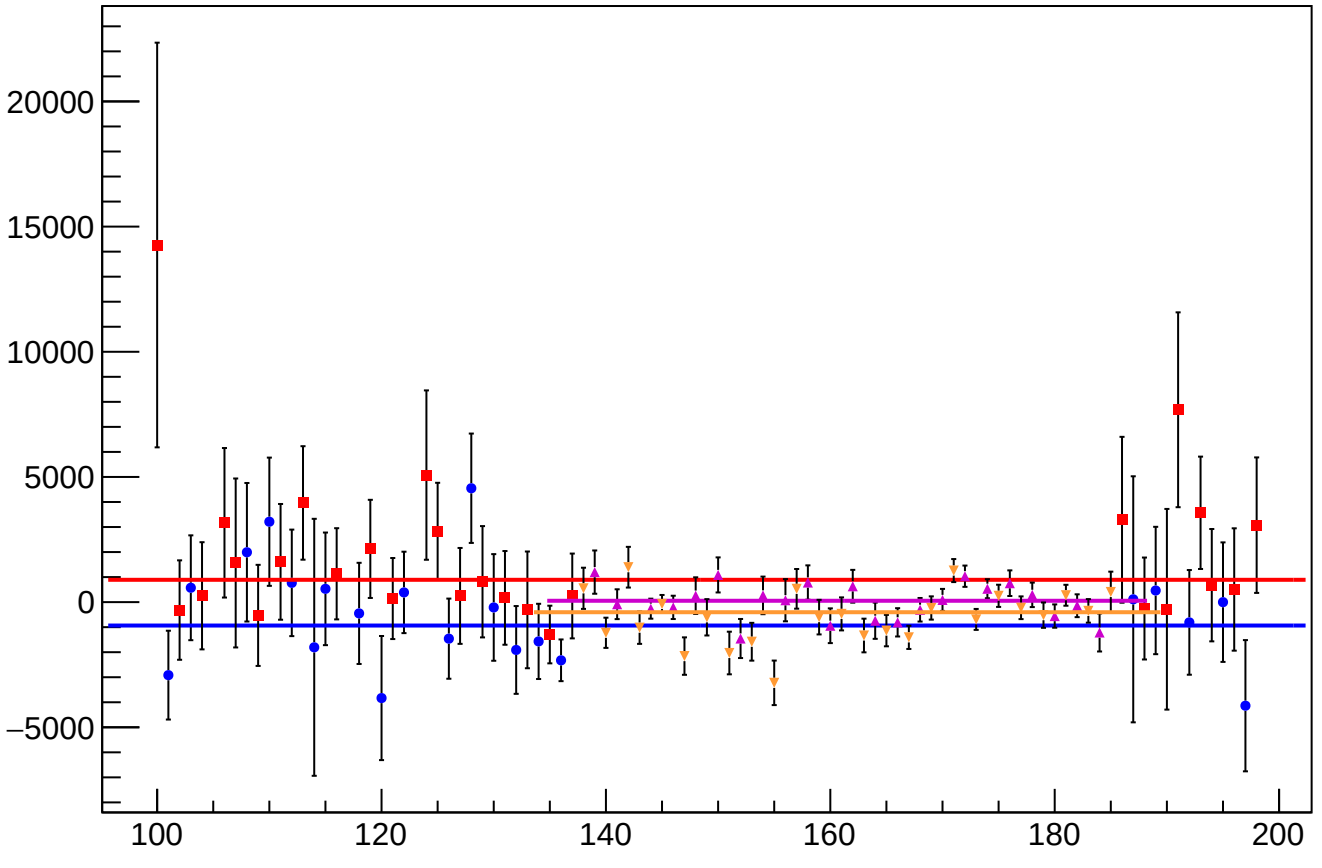
Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

Right: 118.434+/-0.019 χ^2/NDF: 7460470.6/47

In: 84.022+/-0.012 χ^2/NDF:5393056.0/43

Out: 85.070+/-0.011 χ^2/NDF:8004888.0/51

All: 84.559+/-0.008 χ^2/NDF: 13401997.1/95



Right In: -935.082+/-413.529 χ^2/NDF: 20.5/20

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 891.519+/-414.424 χ^2/NDF: 19.8/26

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

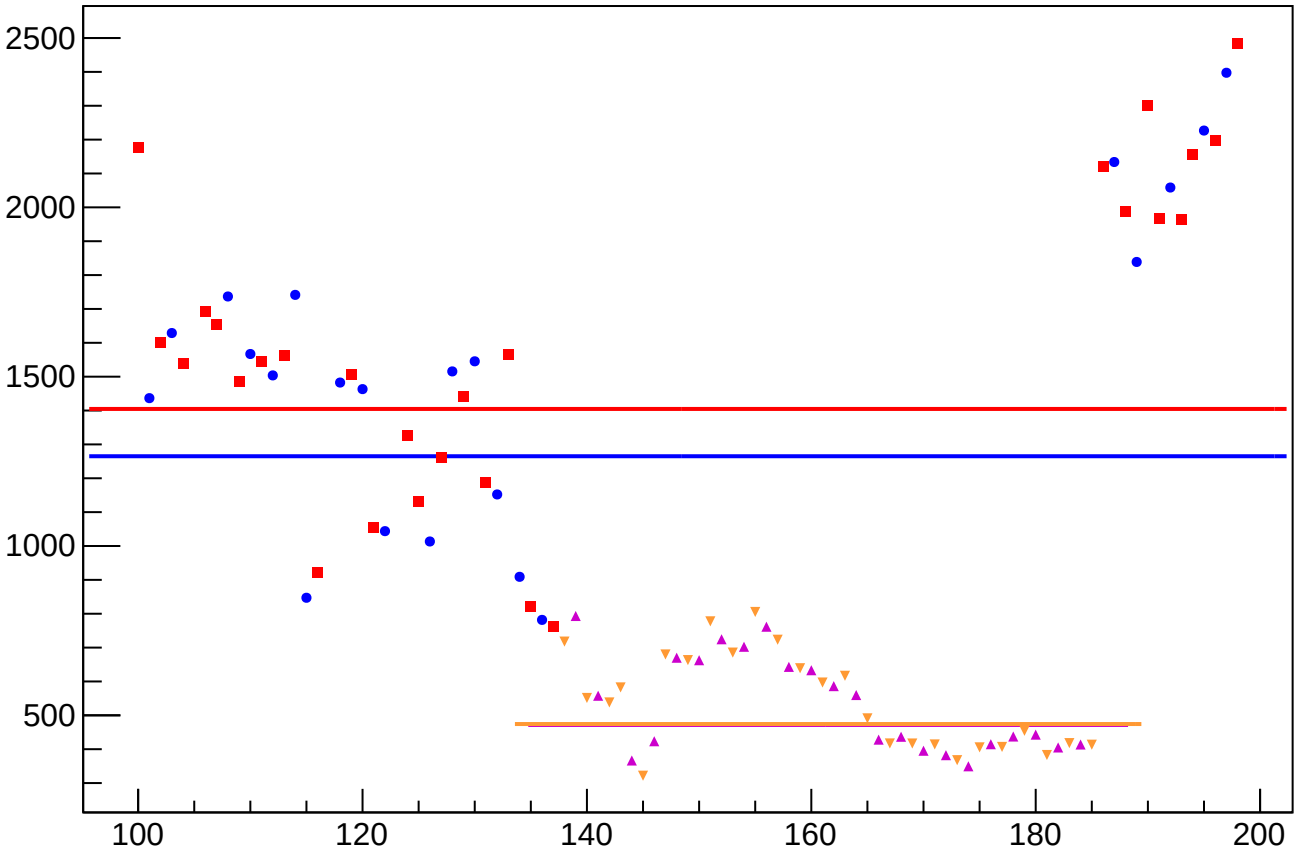
Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

Right: -23.754+/-292.725 χ^2/NDF: 50.0/47

In: -15.934+/-110.100 χ^2/NDF:56.5/43

Out: -315.569+/-107.917 χ^2/NDF:89.6/51

All: -168.752+/-77.069 χ^2/NDF: 149.9/95



Right In: 1265.058+/-0.292 χ^2/NDF: 2404145.6/20

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1404.724+/-0.293 χ^2/NDF: 2501162.0/26

Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

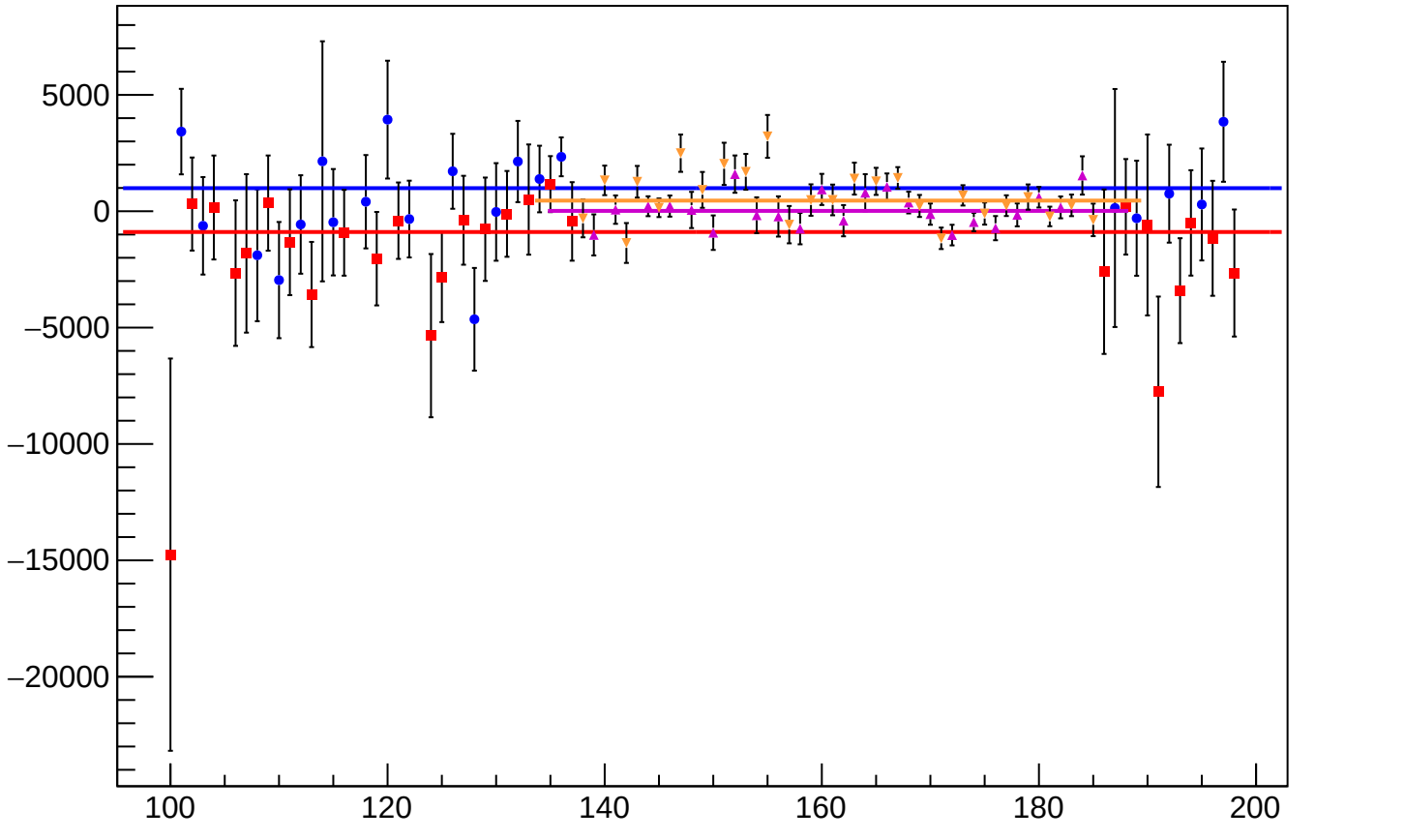
Left: 472.905+/-0.056 χ^2/NDF: 4748968.3/47

Right: 1334.740+/-0.207 χ^2/NDF: 5019129.8/47

In: 527.712+/-0.078 χ^2/NDF:11457193.6/43

Out: 537.386+/-0.076 χ^2/NDF:14437678.1/51

All: 532.645+/-0.054 χ^2/NDF: 25902746.6/95



Right In: 991.374+/-413.266 χ^2/NDF: 20.7/20

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: -891.936+/-420.062 χ^2/NDF: 17.2/26

Left In: 15.089+/-116.701 χ^2/NDF:30.3/22

Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

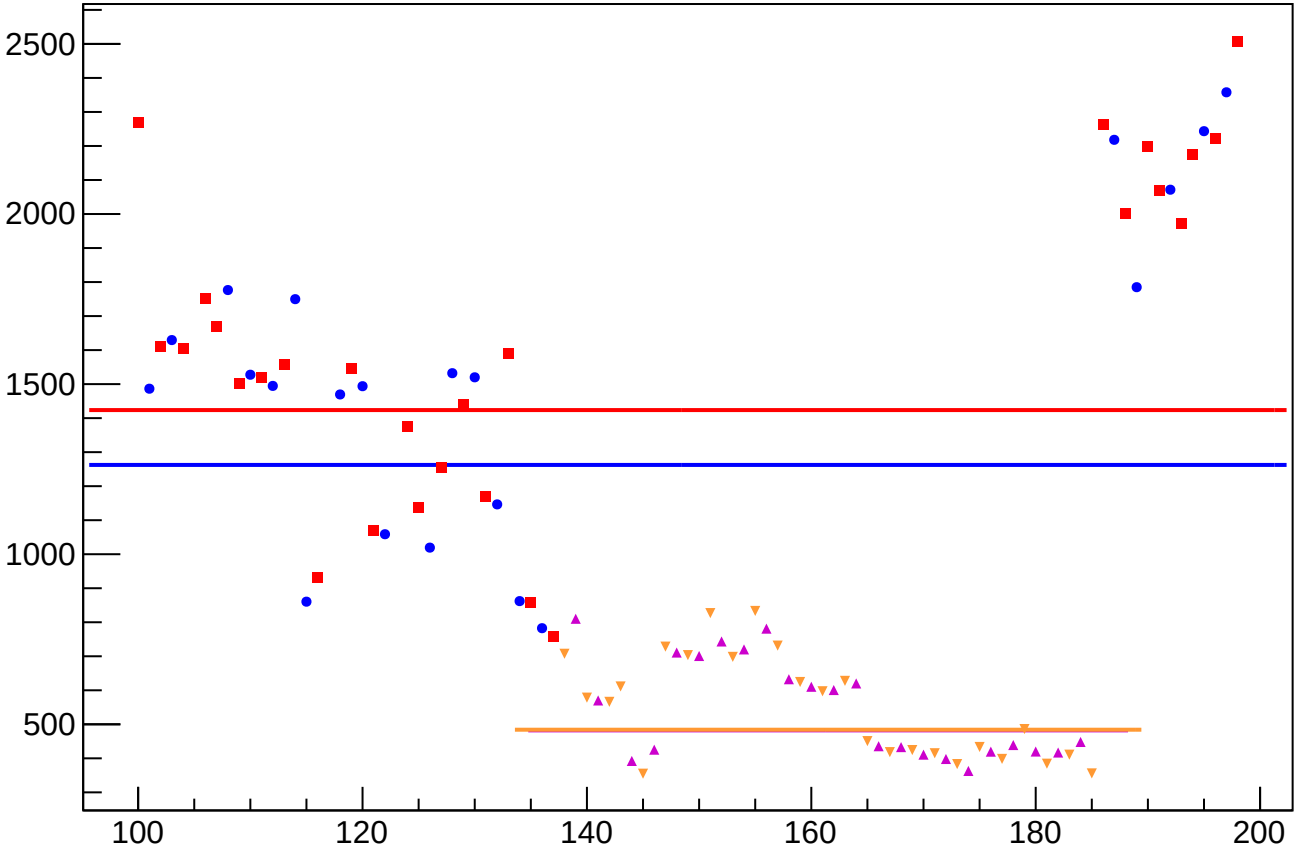
Right: 65.076+/-294.597 χ^2/NDF: 48.0/47

In: 87.191+/-112.309 χ^2/NDF:56.1/43

Out: 364.198+/-110.336 χ^2/NDF:86.2/51

All: 228.149+/-78.708 χ^2/NDF: 145.4/95

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1262.460+/-0.292 χ^2/NDF: 2432504.2/20

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

Right Out: 1423.690+/-0.297 χ^2/NDF: 2462921.9/26

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

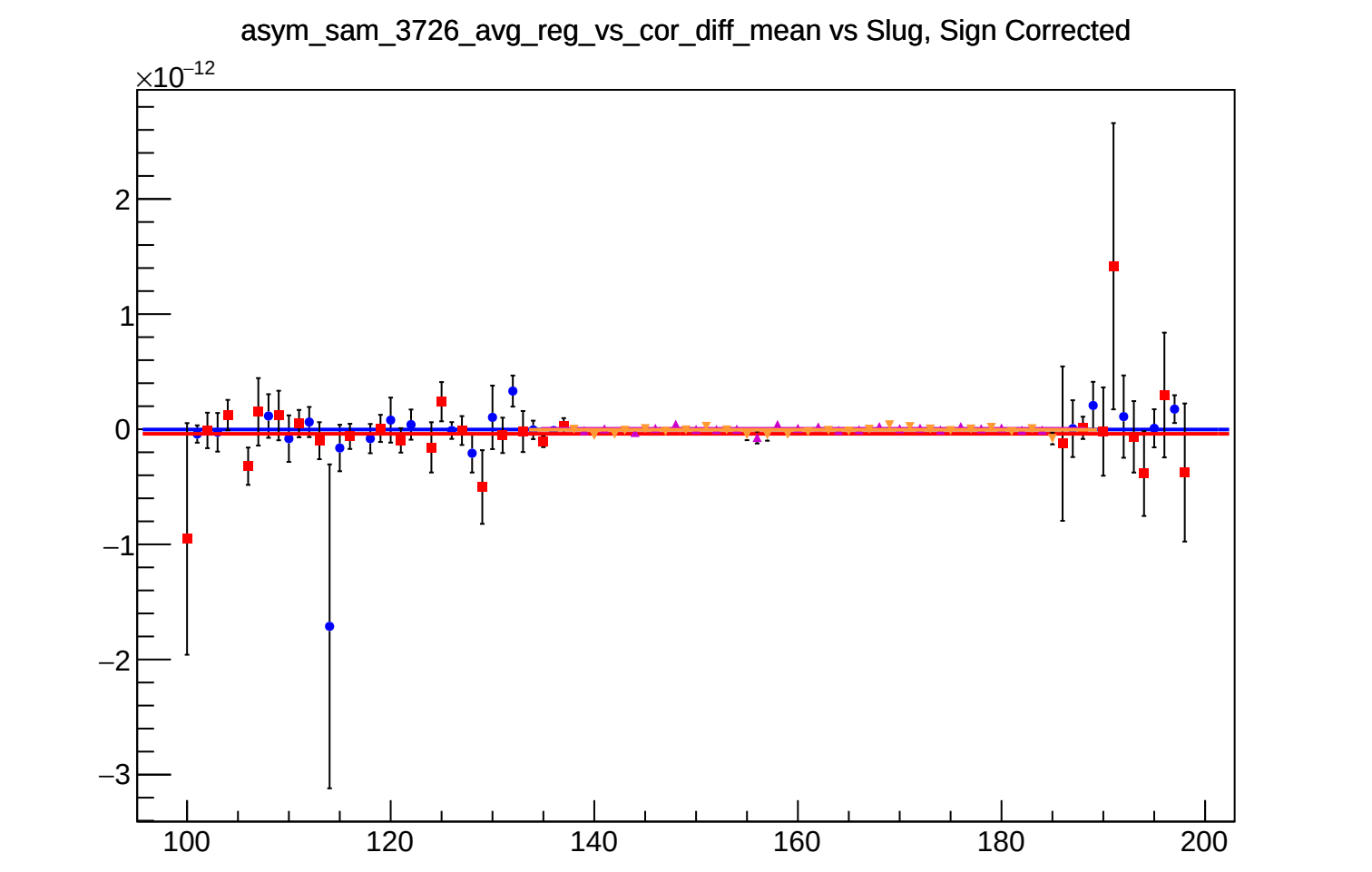
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

Right: 1341.760+/-0.208 χ^2/NDF: 5045148.8/47

In: 539.787+/-0.079 χ^2/NDF:11222687.9/43

Out: 548.952+/-0.078 χ^2/NDF:14326919.2/51

All: 544.451+/-0.056 χ^2/NDF: 25556383.9/95



Right In: -0.000+/-0.000 χ^2/NDF: 15.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/26

Left In: 0.000+/-0.000 χ^2/NDF:15.0/22

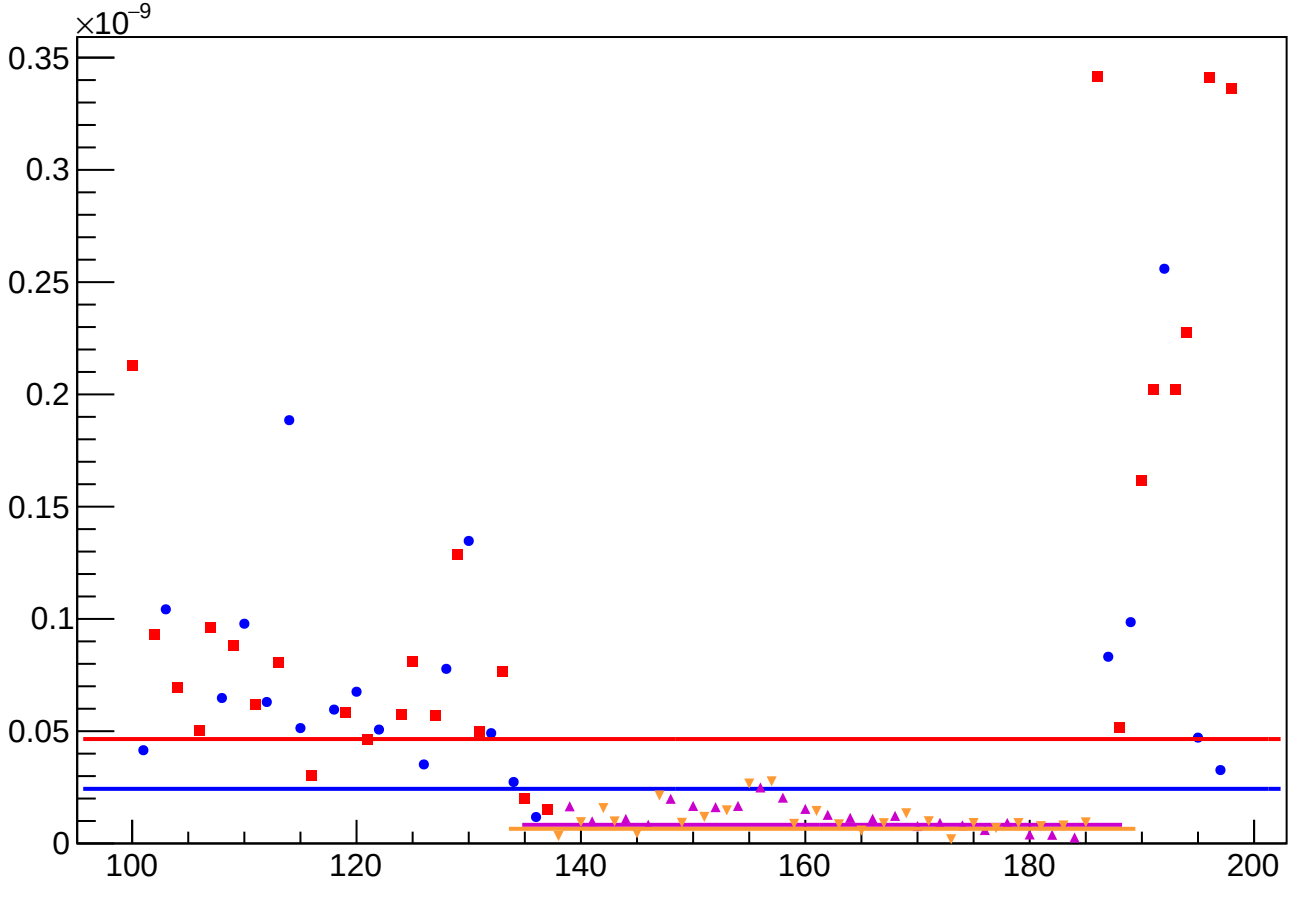
Left: -0.000+/-0.000 χ^2/NDF: 49.2/47

Right: -0.000+/-0.000 χ^2/NDF: 35.4/47

In: 0.000+/-0.000 χ^2/NDF:30.3/43

Out: -0.000+/-0.000 χ^2/NDF:51.7/51

All: -0.000+/-0.000 χ^2/NDF: 85.4/95



Right In: 0.000+/-0.000 χ^2/NDF: 4135889.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4570624.8/26

Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

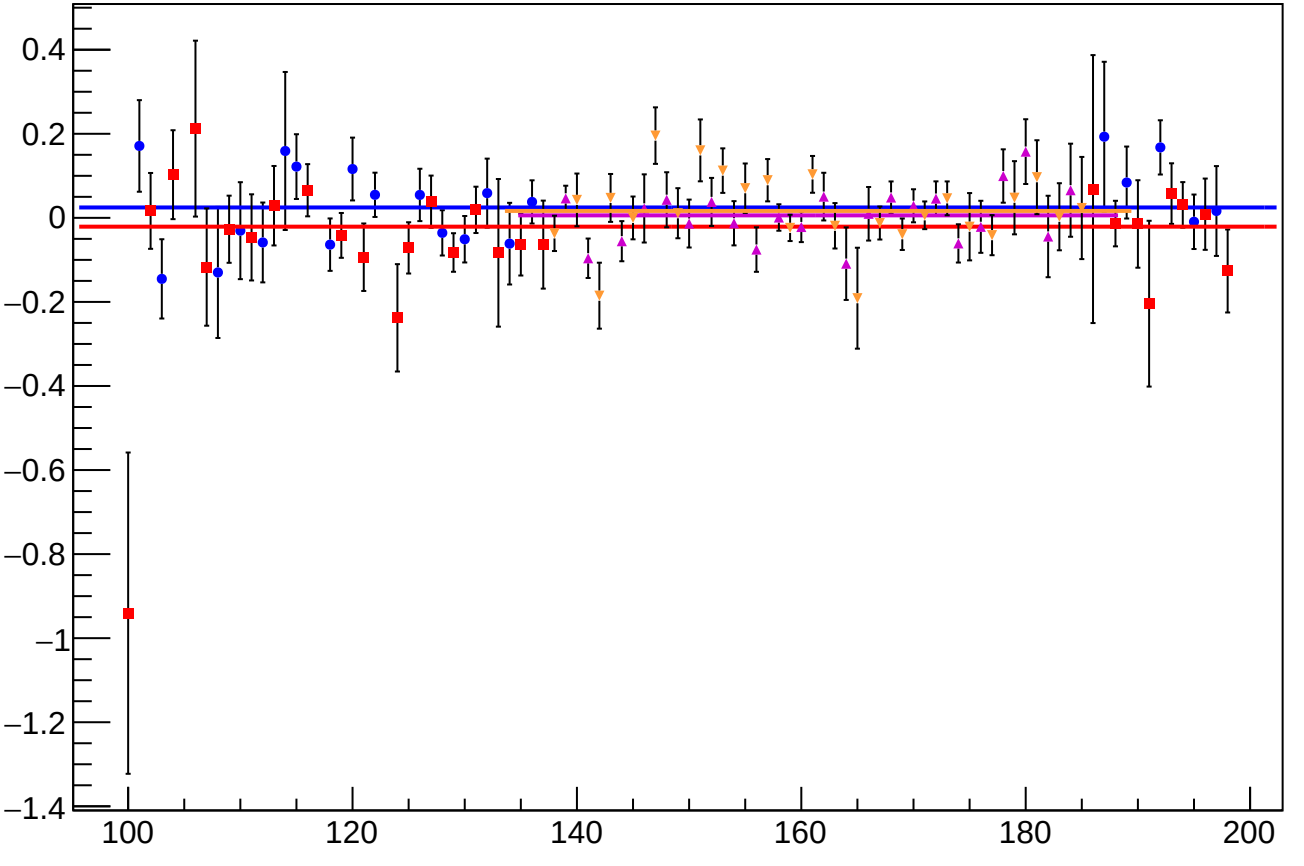
Right: 0.000+/-0.000 χ^2/NDF: 9740002.1/47

In: 0.000+/-0.000 χ^2/NDF:8635474.0/43

Out: 0.000+/-0.000 χ^2/NDF:13046980.8/51

All: 0.000+/-0.000 χ^2/NDF: 22001935.6/95

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.016 χ^2/NDF: 23.9/20

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.021+/-0.015 χ^2/NDF: 24.1/26

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

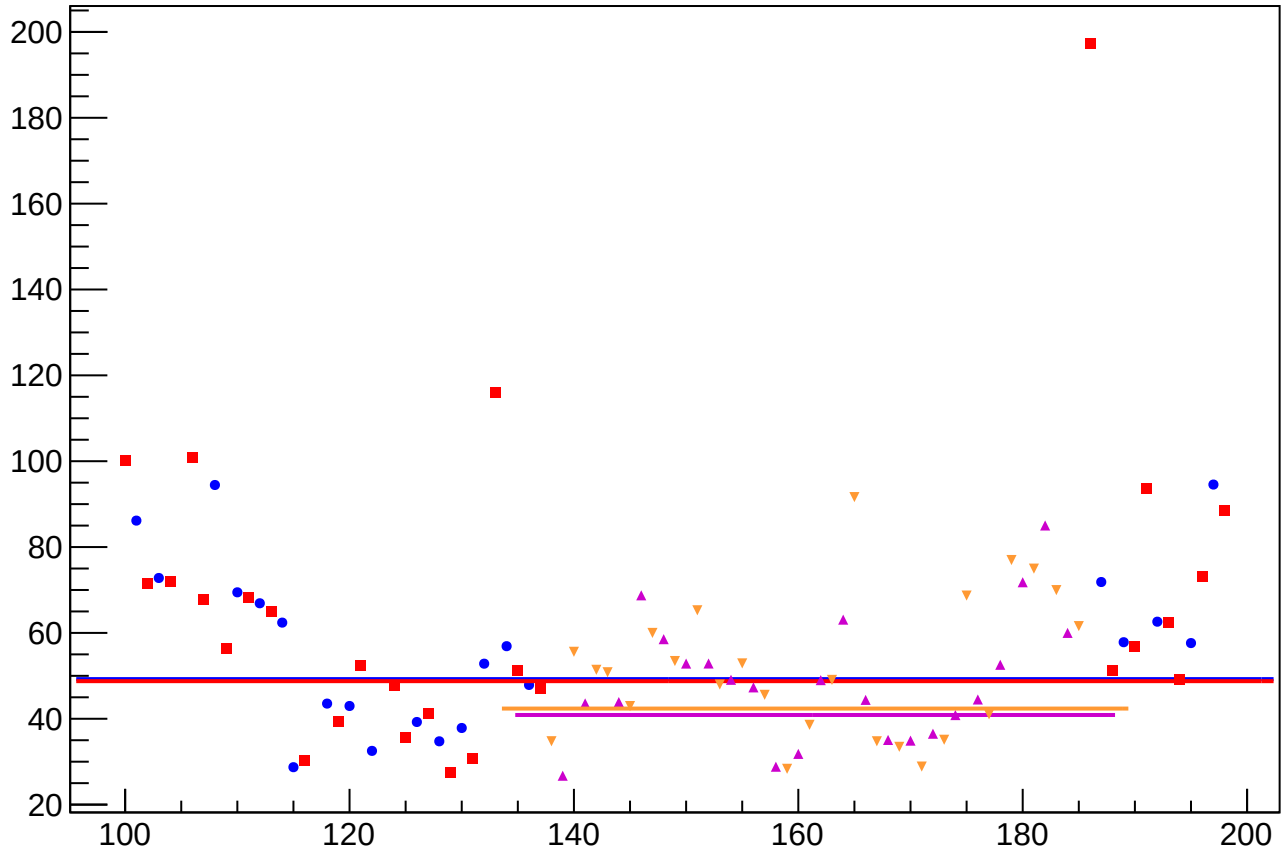
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: 0.000+/-0.011 χ^2/NDF: 52.2/47

In: 0.011+/-0.009 χ^2/NDF:50.8/43

Out: 0.005+/-0.009 χ^2/NDF:69.3/51

All: 0.008+/-0.006 χ^2/NDF: 120.4/95



Right In: 49.237+/-0.012 χ^2/NDF: 1867702.0/20

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 48.759+/-0.011 χ^2/NDF: 2992916.7/26

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

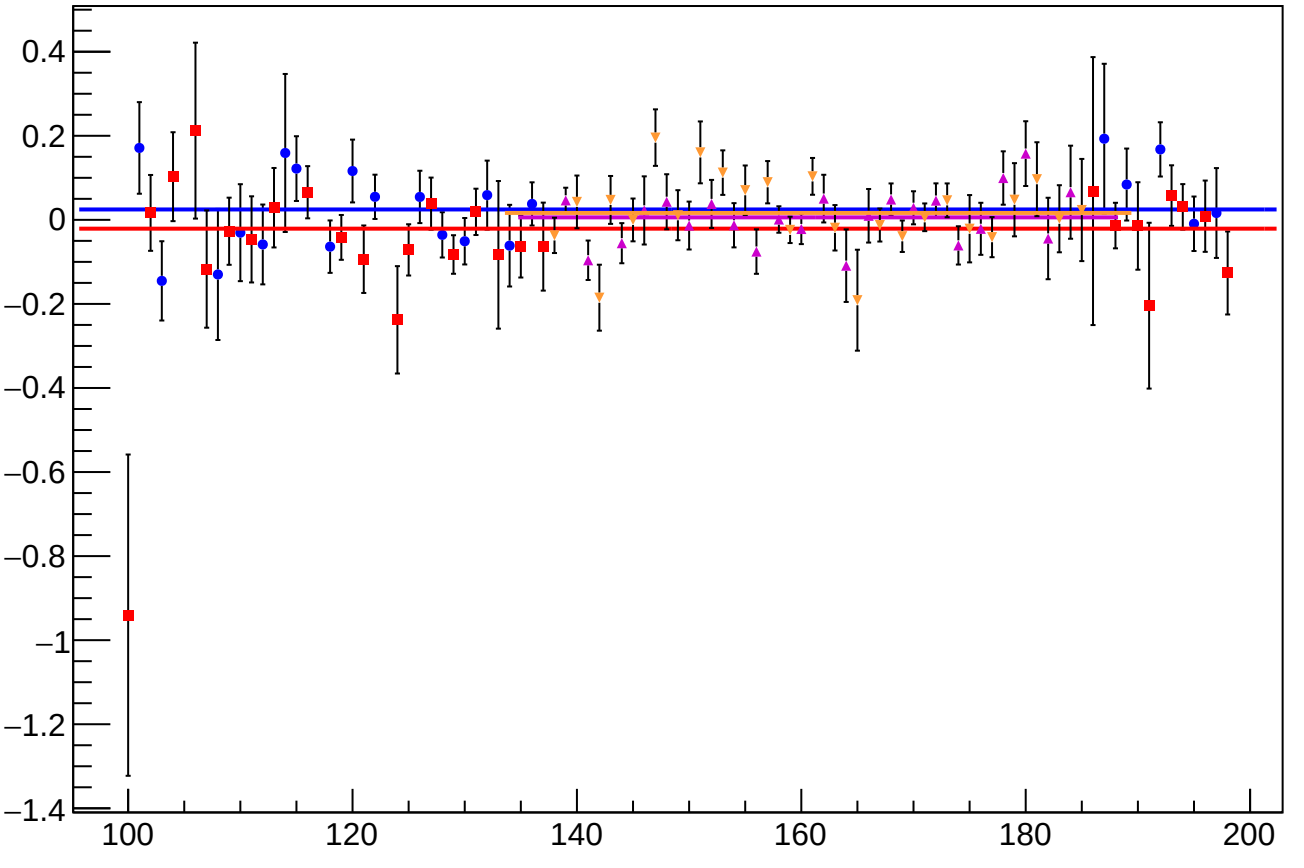
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 48.979+/-0.008 χ^2/NDF: 4861538.1/47

In: 43.237+/-0.006 χ^2/NDF:4918505.5/43

Out: 44.410+/-0.006 χ^2/NDF:6426583.9/51

All: 43.835+/-0.004 χ^2/NDF: 11363593.8/95



Right In: 0.025+/-0.016 χ^2/NDF: 23.9/20

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.021+/-0.015 χ^2/NDF: 24.1/26

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

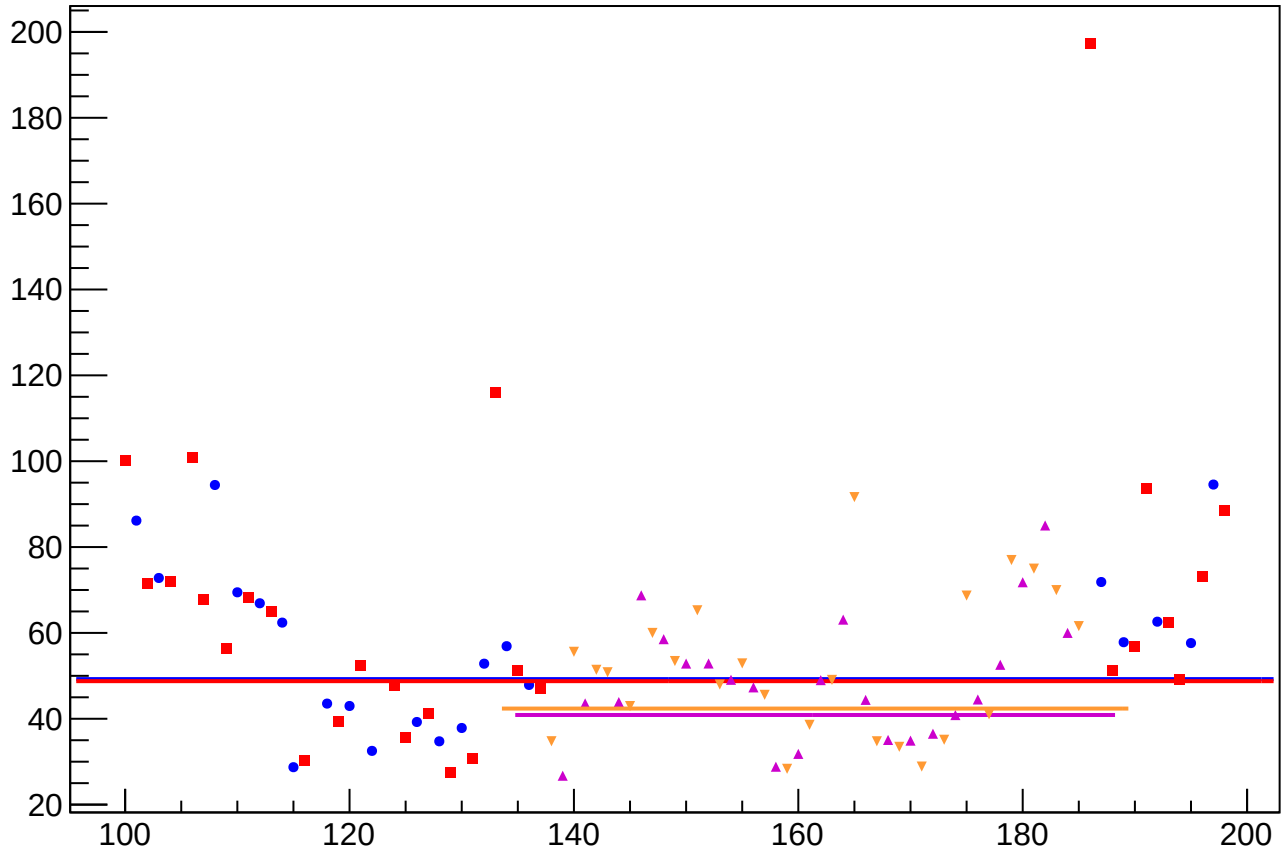
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: 0.000+/-0.011 χ^2/NDF: 52.2/47

In: 0.011+/-0.009 χ^2/NDF:50.8/43

Out: 0.005+/-0.009 χ^2/NDF:69.3/51

All: 0.008+/-0.006 χ^2/NDF: 120.4/95



Right In: 49.237+/-0.012 χ^2/NDF: 1867702.0/20

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 48.759+/-0.011 χ^2/NDF: 2992916.7/26

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

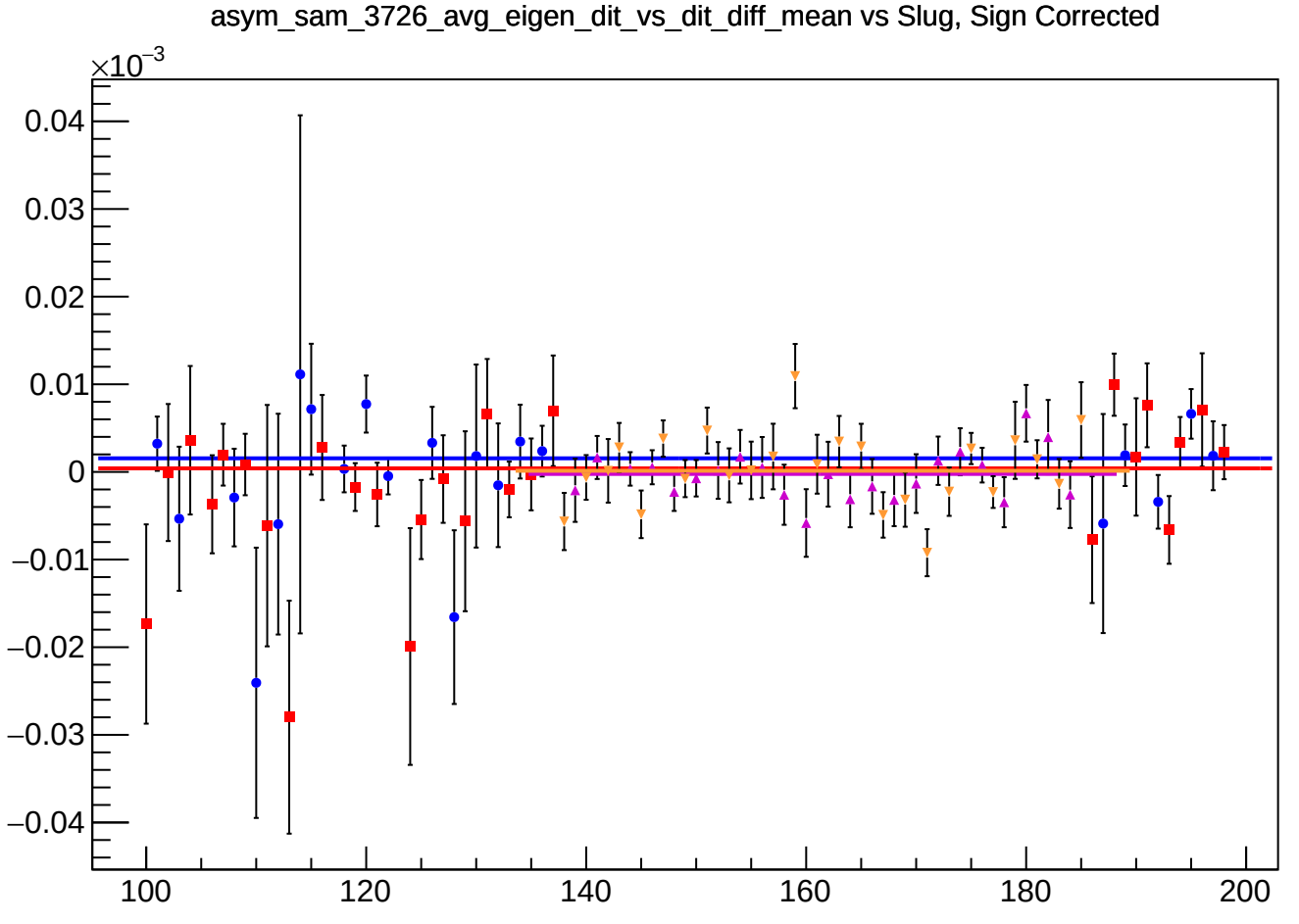
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 48.979+/-0.008 χ^2/NDF: 4861538.1/47

In: 43.237+/-0.006 χ^2/NDF:4918505.5/43

Out: 44.410+/-0.006 χ^2/NDF:6426583.9/51

All: 43.835+/-0.004 χ^2/NDF: 11363593.8/95



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.1/26

Left In: -0.000+/-0.000 χ^2/NDF:15.8/22

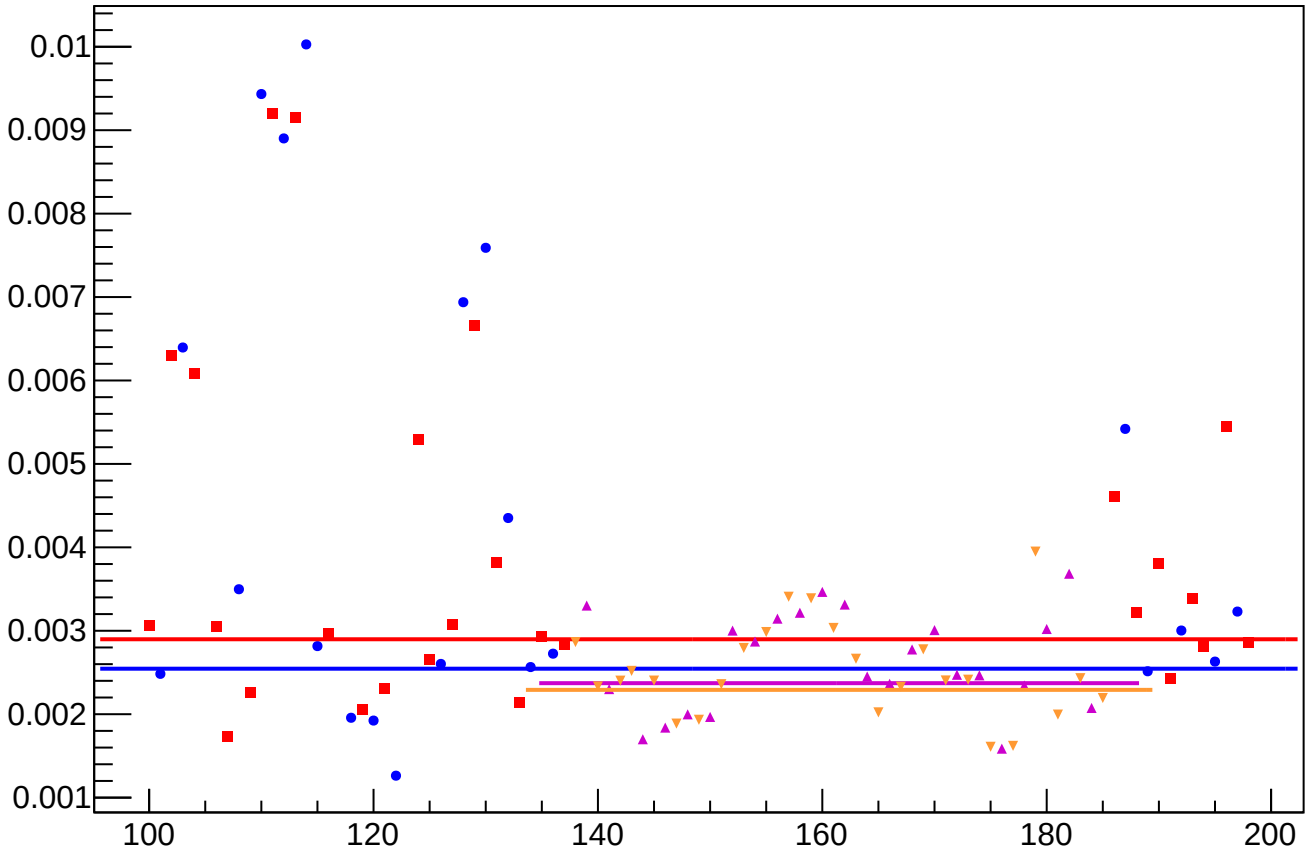
Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

Right: 0.000+/-0.000 χ^2/NDF: 54.4/47

In: 0.000+/-0.000 χ^2/NDF:39.1/43

Out: 0.000+/-0.000 χ^2/NDF:83.1/51

All: 0.000+/-0.000 χ^2/NDF: 122.3/95



Right In: 0.003+/-0.000 χ^2/NDF: 3676305.2/20

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3082042.5/26

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

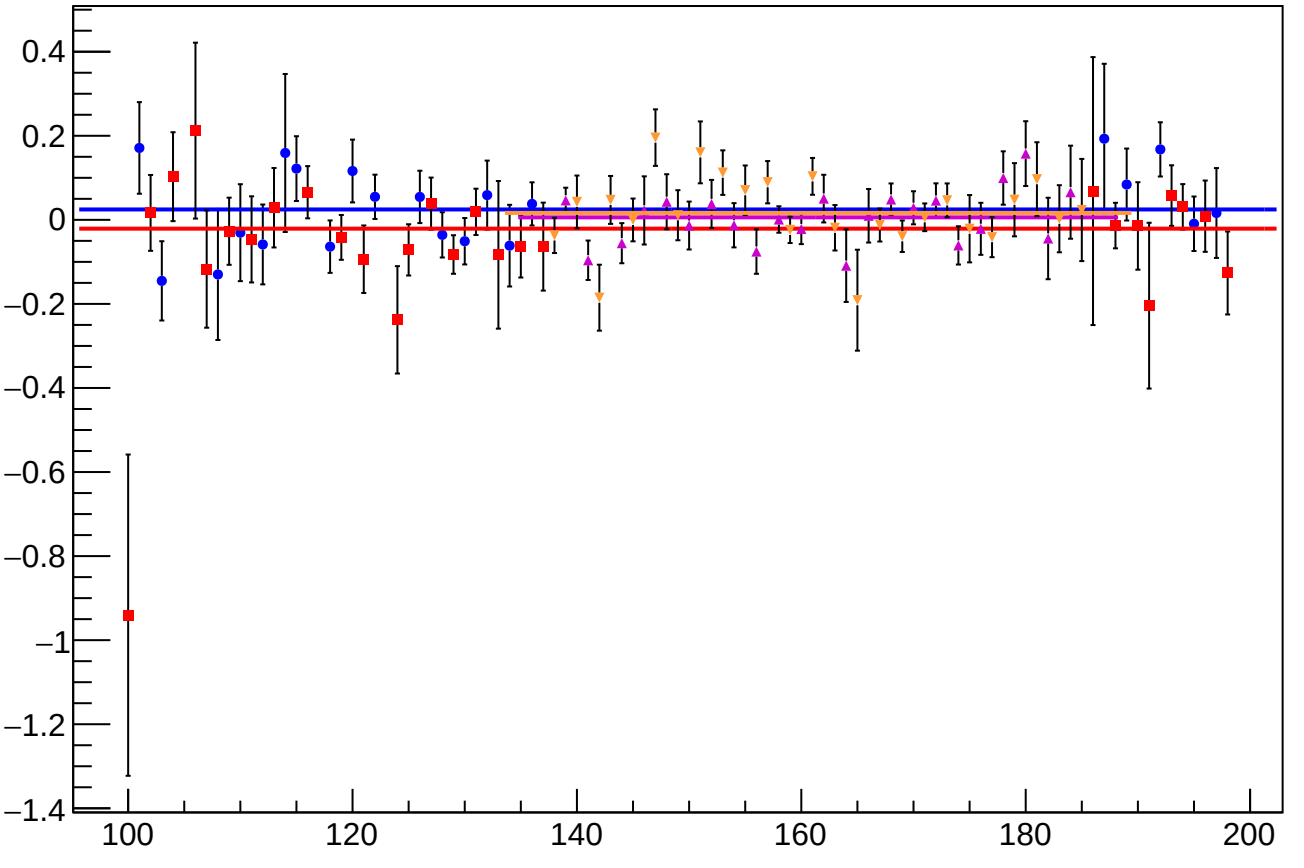
Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

Right: 0.003+/-0.000 χ^2/NDF: 6918668.4/47

In: 0.002+/-0.000 χ^2/NDF:5751375.3/43

Out: 0.002+/-0.000 χ^2/NDF:5585666.8/51

All: 0.002+/-0.000 χ^2/NDF: 11341056.4/95



Right In: 0.025+/-0.016 χ^2/NDF: 23.9/20

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.021+/-0.015 χ^2/NDF: 24.1/26

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

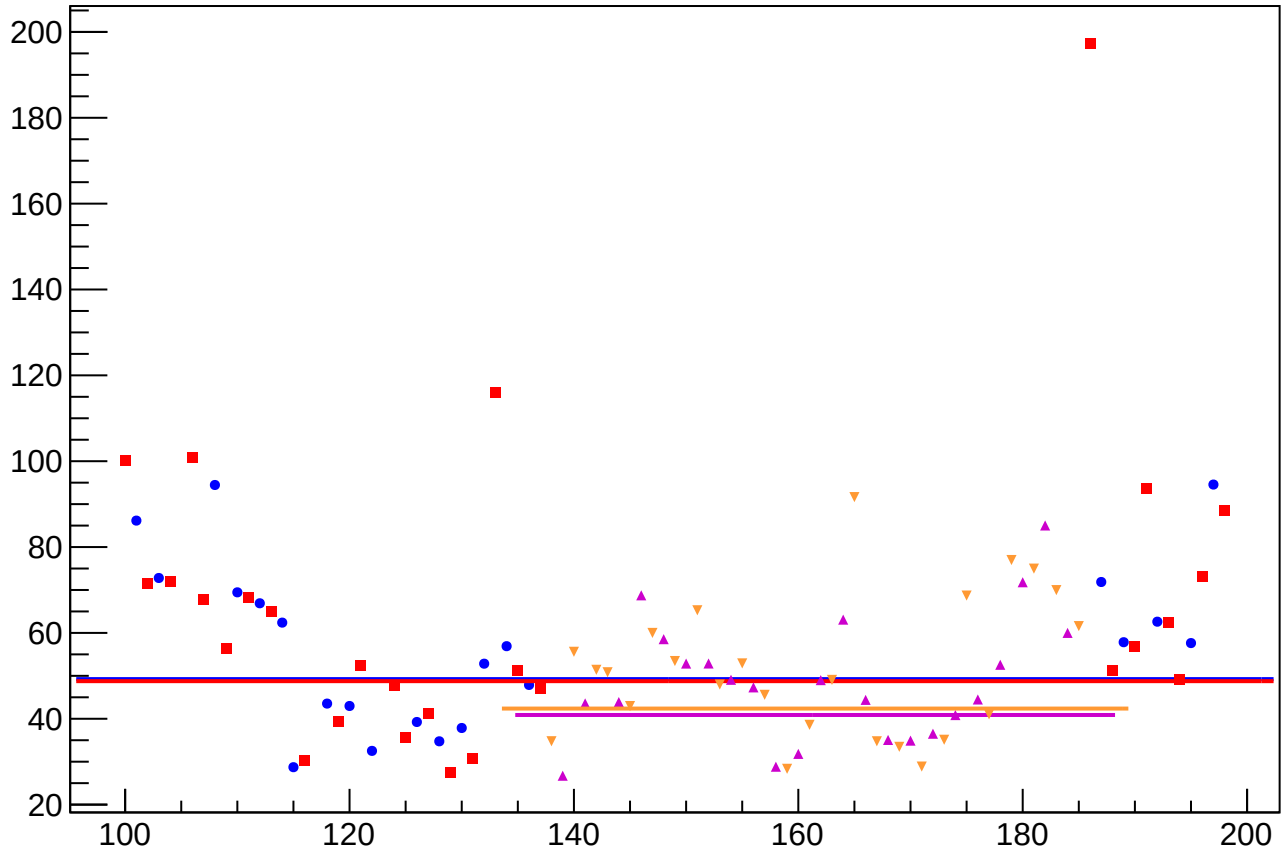
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: 0.000+/-0.011 χ^2/NDF: 52.2/47

In: 0.011+/-0.009 χ^2/NDF:50.8/43

Out: 0.005+/-0.009 χ^2/NDF:69.3/51

All: 0.008+/-0.006 χ^2/NDF: 120.4/95



Right In: 49.237+/-0.012 χ^2/NDF: 1867644.3/20

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 48.759+/-0.011 χ^2/NDF: 2992797.6/26

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

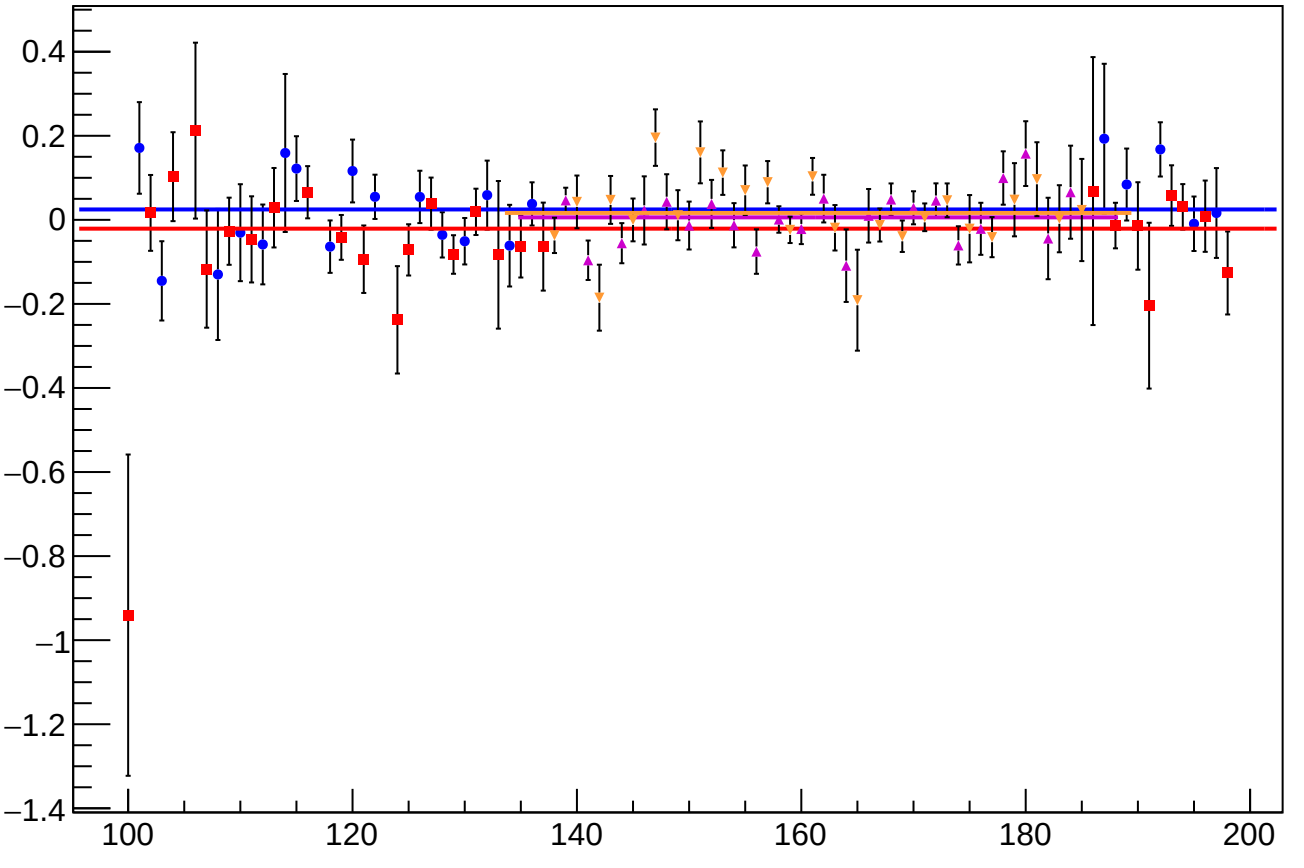
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 48.979+/-0.008 χ^2/NDF: 4861360.1/47

In: 43.237+/-0.006 χ^2/NDF:4918430.9/43

Out: 44.410+/-0.006 χ^2/NDF:6426488.7/51

All: 43.835+/-0.004 χ^2/NDF: 11363424.5/95



Right In: 0.025+/-0.016 χ^2/NDF: 23.9/20

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.021+/-0.015 χ^2/NDF: 24.1/26

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

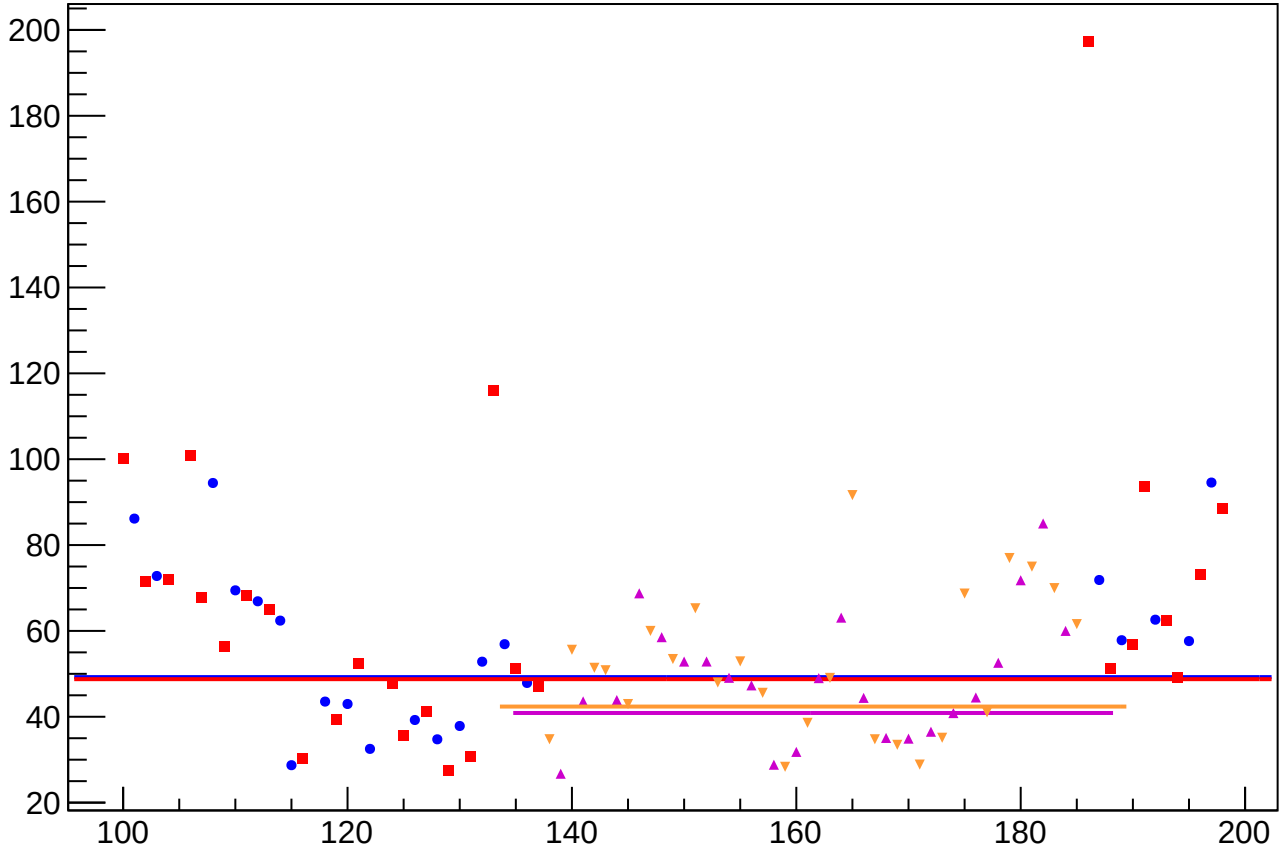
Right: 0.000+/-0.011 χ^2/NDF: 52.2/47

In: 0.011+/-0.009 χ^2/NDF:50.8/43

Out: 0.005+/-0.009 χ^2/NDF:69.3/51

All: 0.008+/-0.006 χ^2/NDF: 120.4/95

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.237+/-0.012 χ^2/NDF: 1867644.3/20

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 48.759+/-0.011 χ^2/NDF: 2992797.6/26

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

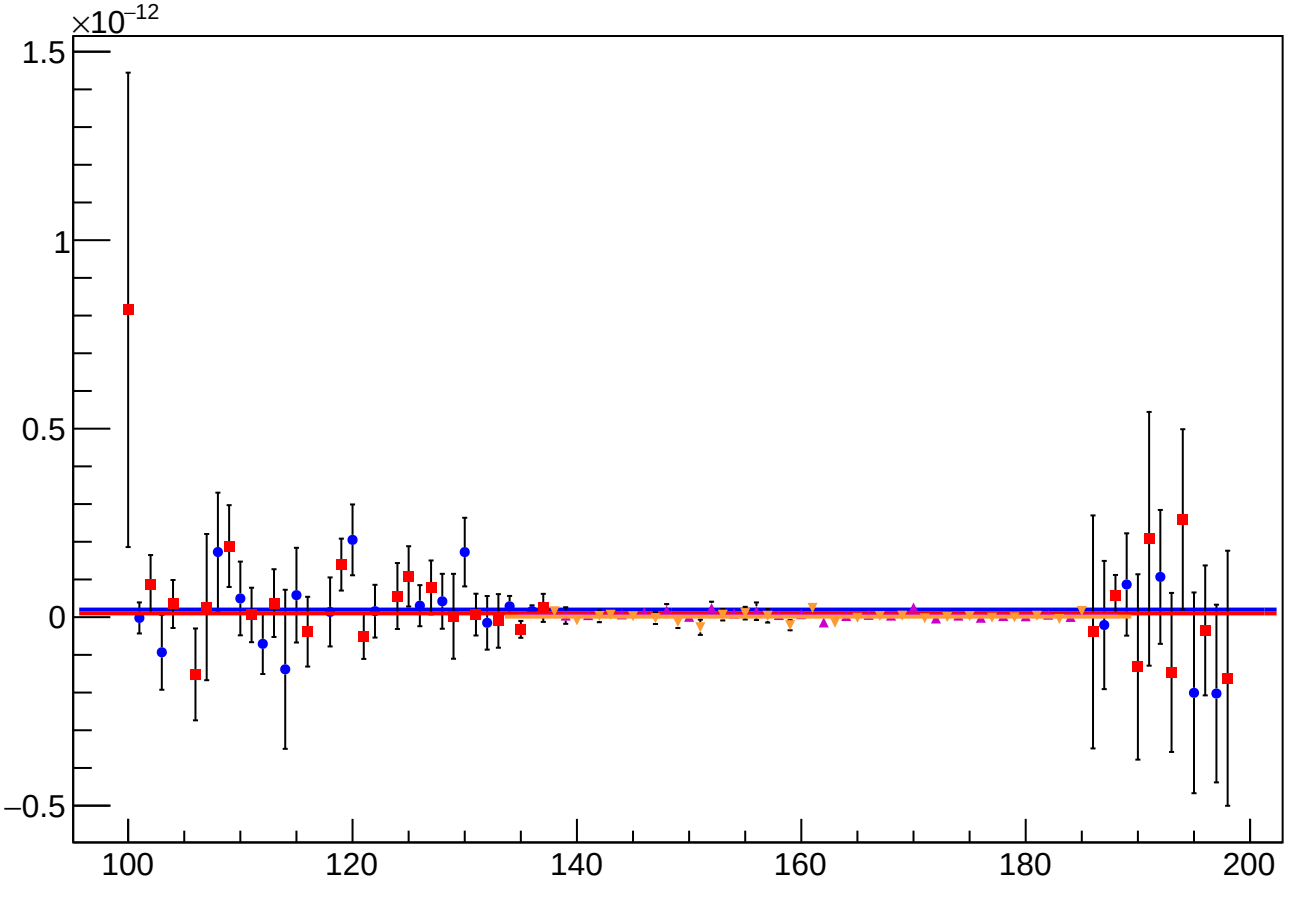
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 48.979+/-0.008 χ^2/NDF: 4861360.1/47

In: 43.237+/-0.006 χ^2/NDF:4918430.9/43

Out: 44.410+/-0.006 χ^2/NDF:6426488.7/51

All: 43.835+/-0.004 χ^2/NDF: 11363424.5/95



Right In: 0.000+/-0.000 χ^2/NDF: 13.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/26

Left In: 0.000+/-0.000 χ^2/NDF:13.2/22

Left: 0.000+/-0.000 χ^2/NDF: 35.1/47

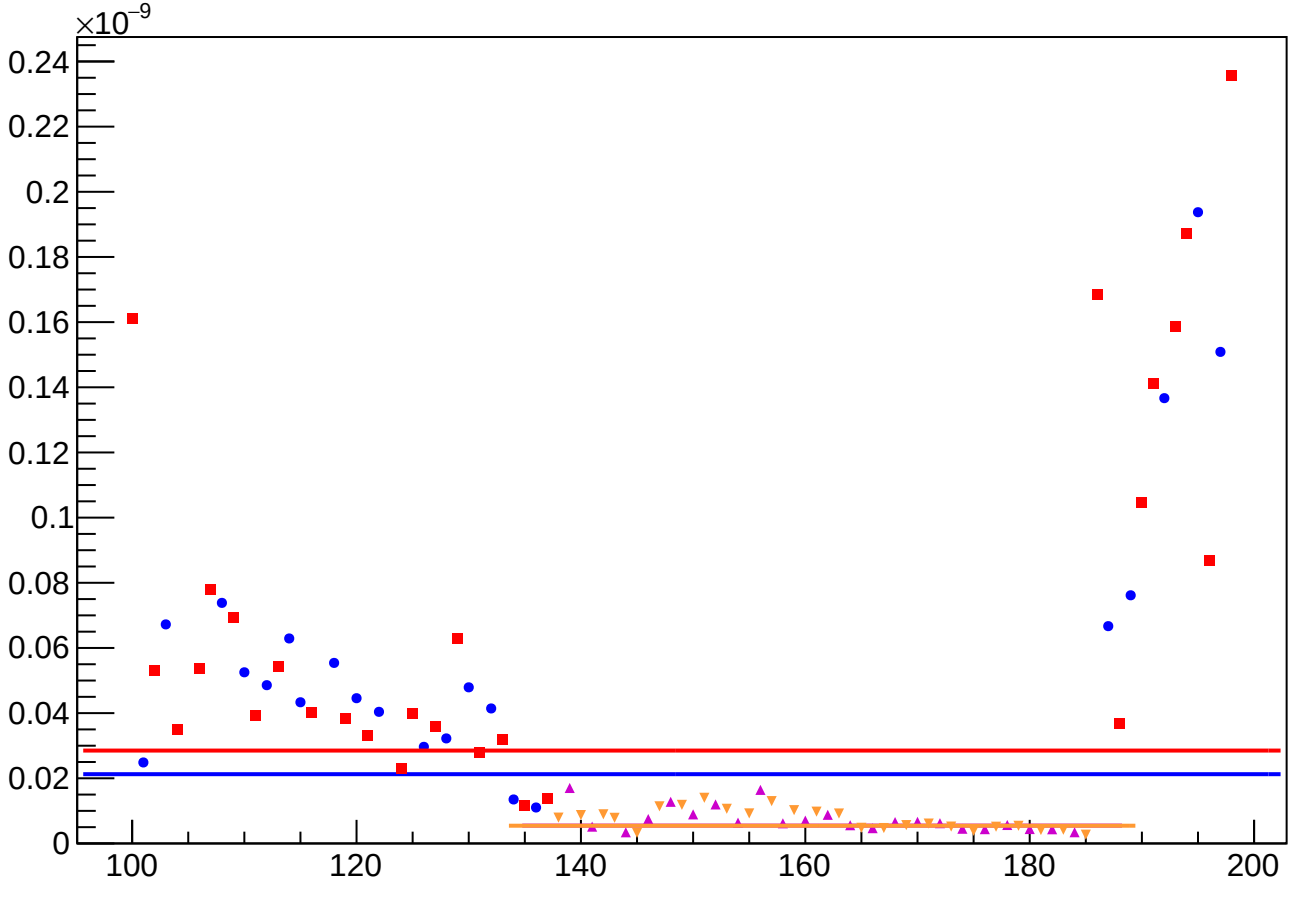
Right: 0.000+/-0.000 χ^2/NDF: 36.4/47

In: 0.000+/-0.000 χ^2/NDF:28.9/43

Out: 0.000+/-0.000 χ^2/NDF:42.3/51

All: 0.000+/-0.000 χ^2/NDF: 73.7/95

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6042003.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6293418.1/26

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

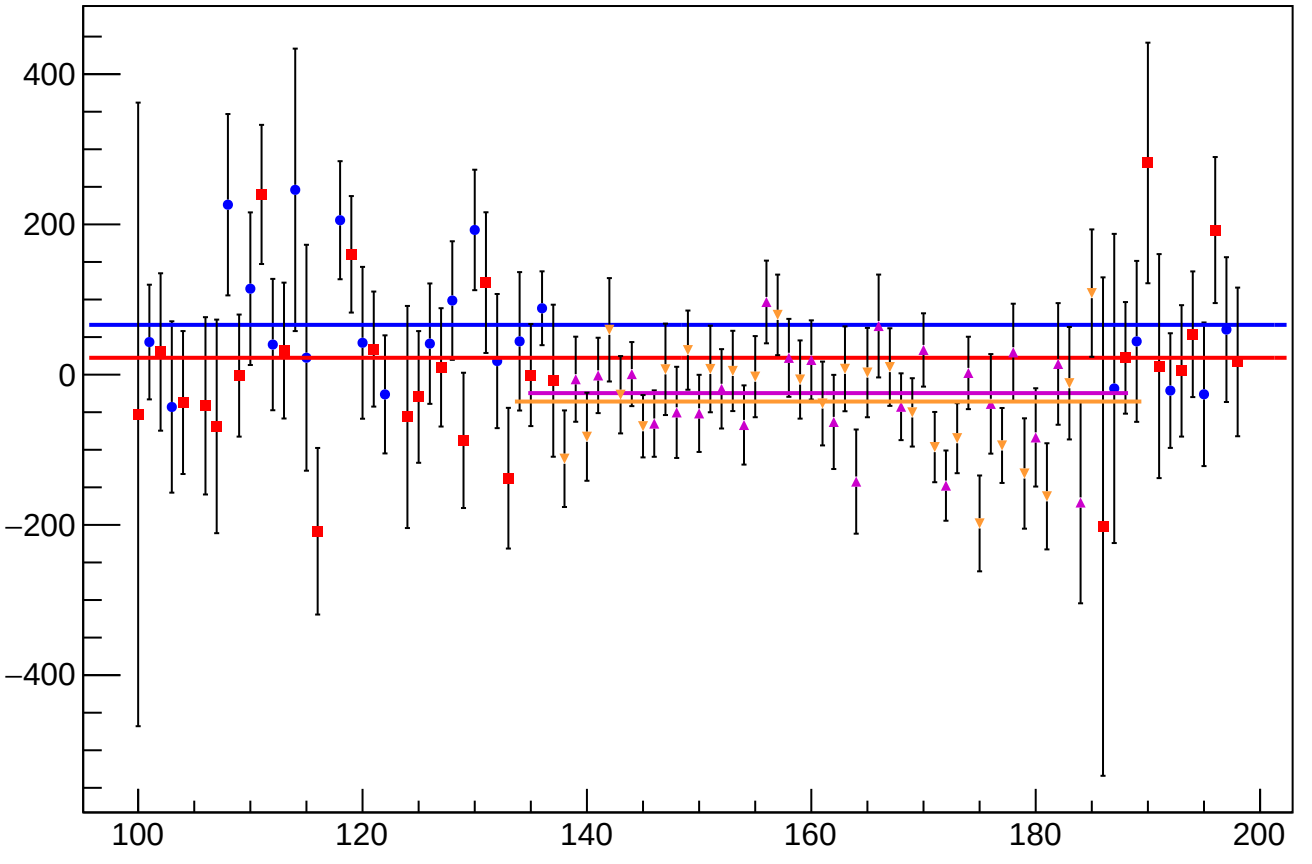
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 12690877.2/47

In: 0.000+/-0.000 χ^2/NDF:12801858.6/43

Out: 0.000+/-0.000 χ^2/NDF:16121251.9/51

All: 0.000+/-0.000 χ^2/NDF: 28923706.6/95



Right In: 66.280+/-19.360 χ^2/NDF: 14.4/20

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: 22.439+/-18.583 χ^2/NDF: 27.0/26

Left In: -24.572+/-11.471 χ^2/NDF:25.7/22

Left: -30.354+/-7.984 χ^2/NDF: 59.9/47

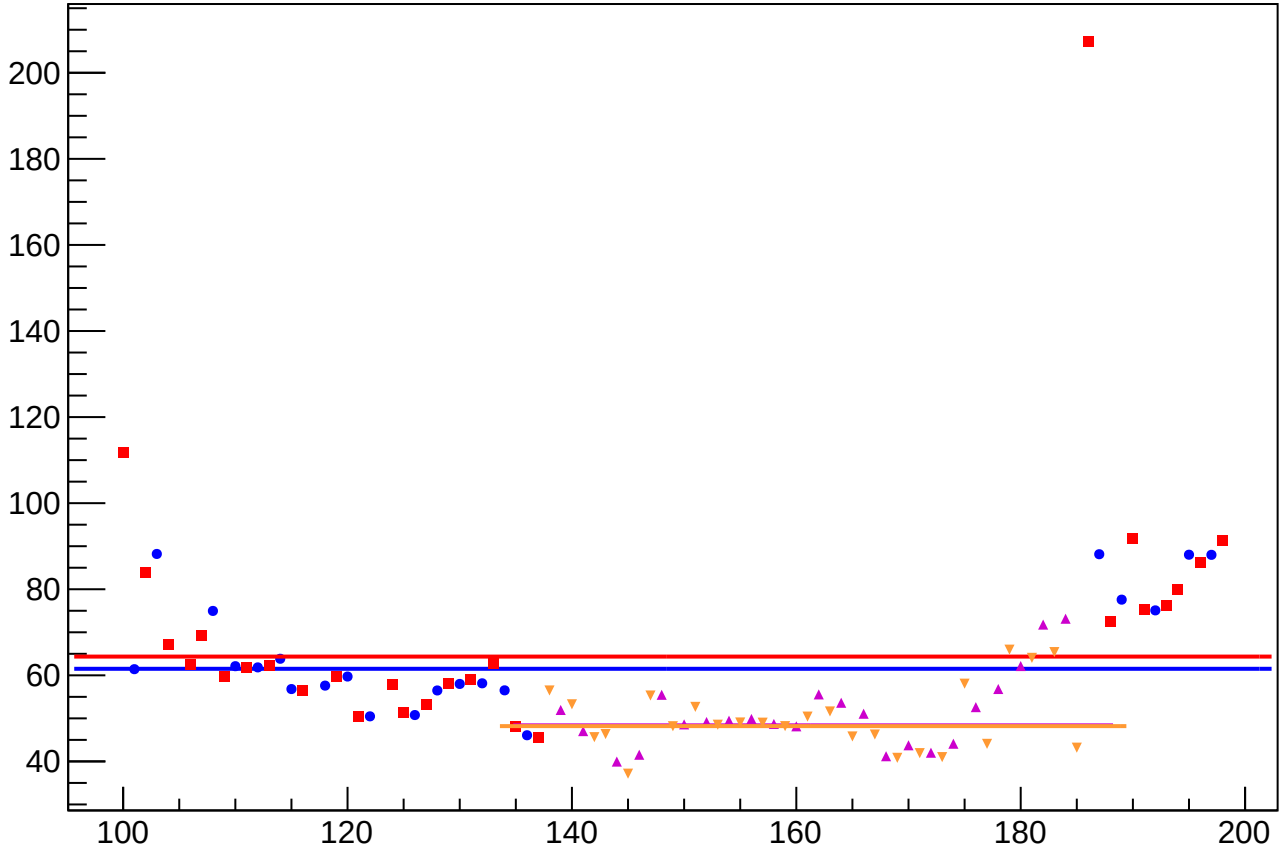
Right: 43.462+/-13.406 χ^2/NDF: 44.1/47

In: -0.963+/-9.869 χ^2/NDF:56.5/43

Out: -20.436+/-9.542 χ^2/NDF:67.9/51

All: -11.028+/-6.860 χ^2/NDF: 126.4/95

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 61.517+/-0.014 χ^2/NDF: 882428.6/20

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 64.356+/-0.013 χ^2/NDF: 1299383.2/26

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

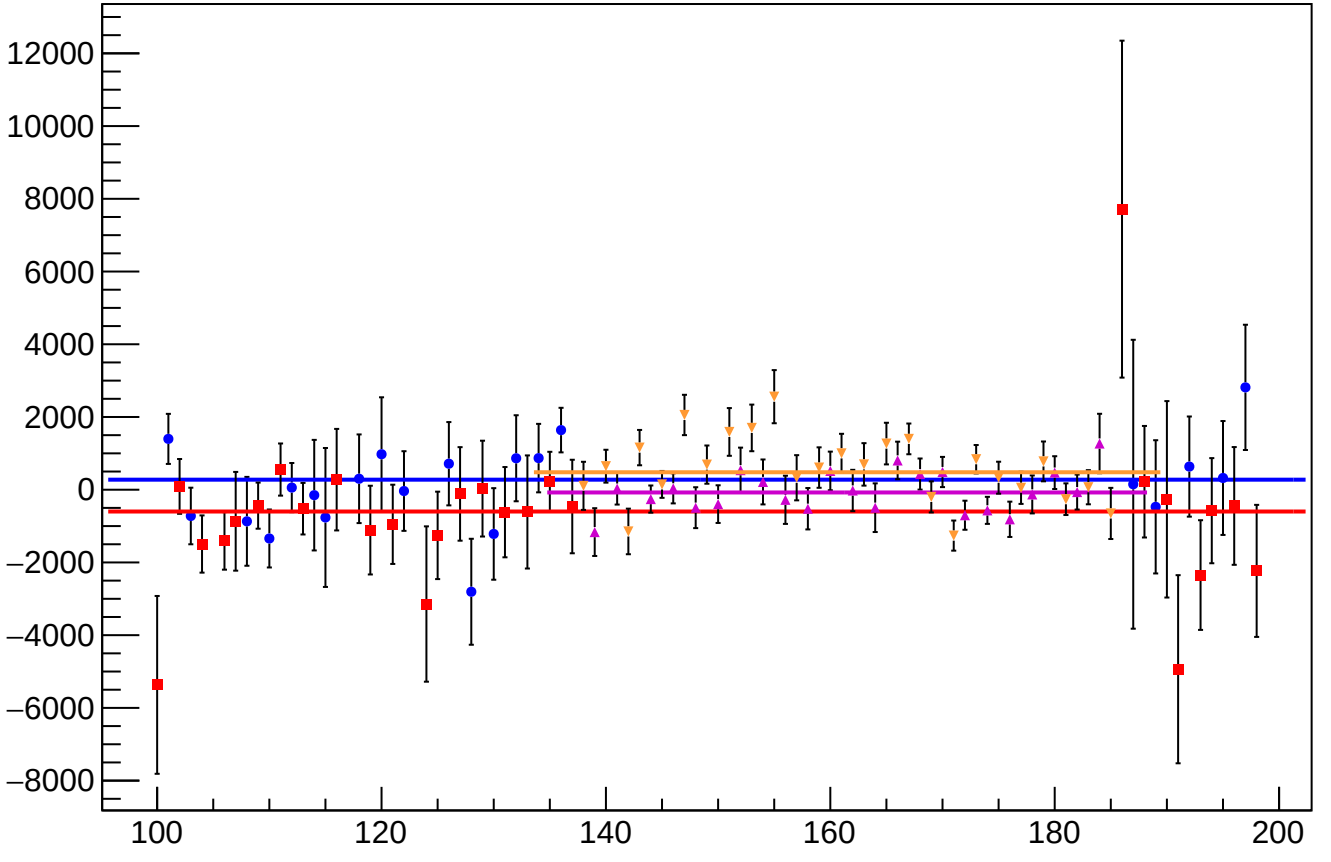
Right: 62.995+/-0.009 χ^2/NDF: 2204186.8/47

In: 51.794+/-0.007 χ^2/NDF:2259428.4/43

Out: 52.458+/-0.007 χ^2/NDF:3193037.9/51

All: 52.137+/-0.005 χ^2/NDF: 5457144.9/95

asym_sam_15_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 276.054+/-230.518 χ^2/NDF: 24.1/20

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: -599.527+/-214.539 χ^2/NDF: 21.9/26

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

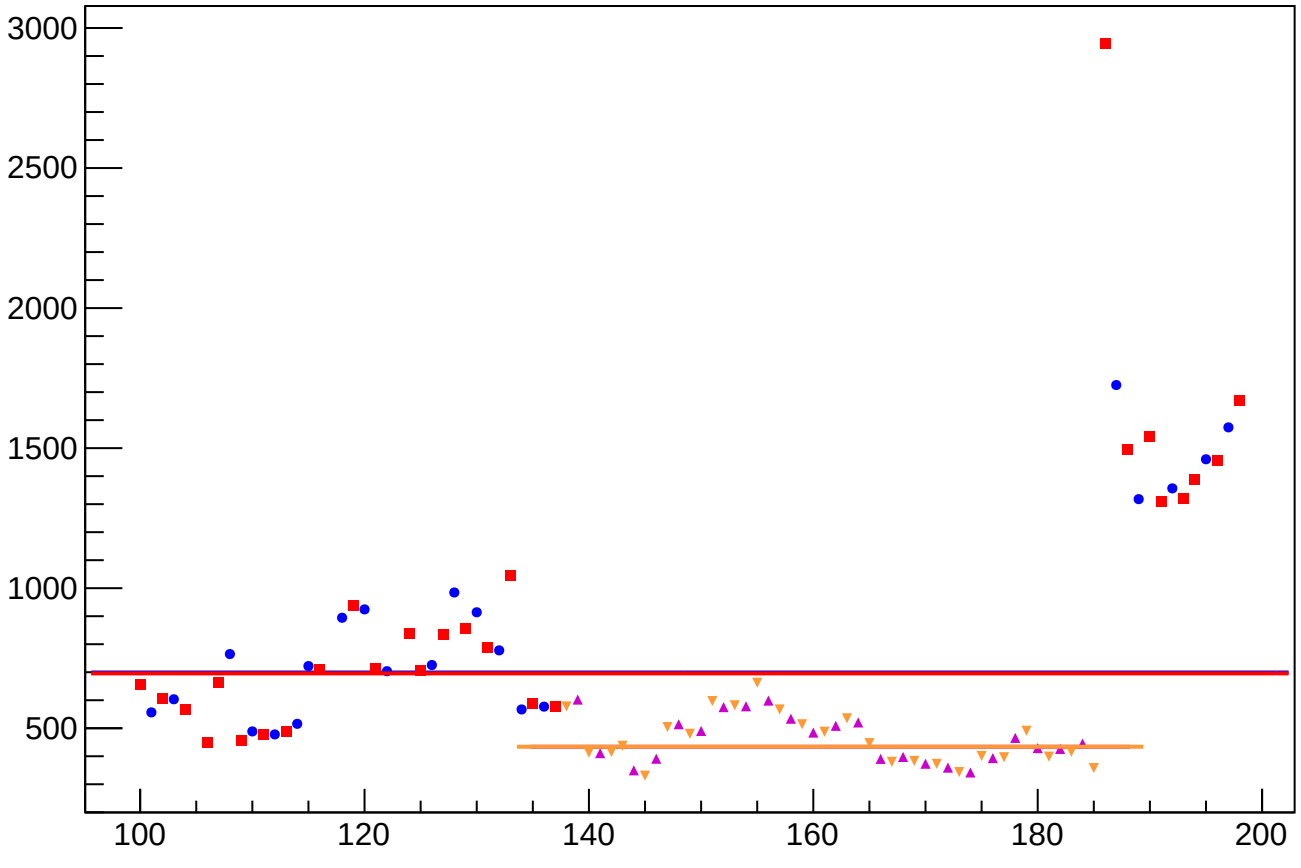
Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

Right: -193.131+/-157.047 χ^2/NDF: 53.7/47

In: -17.007+/-94.137 χ^2/NDF:50.5/43

Out: 285.832+/-91.028 χ^2/NDF:111.9/51

All: 139.495+/-65.438 χ^2/NDF: 167.7/95



Right In: 699.012+/-0.163 χ^2/NDF: 2667244.6/20

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 695.785+/-0.152 χ^2/NDF: 4366586.7/26

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

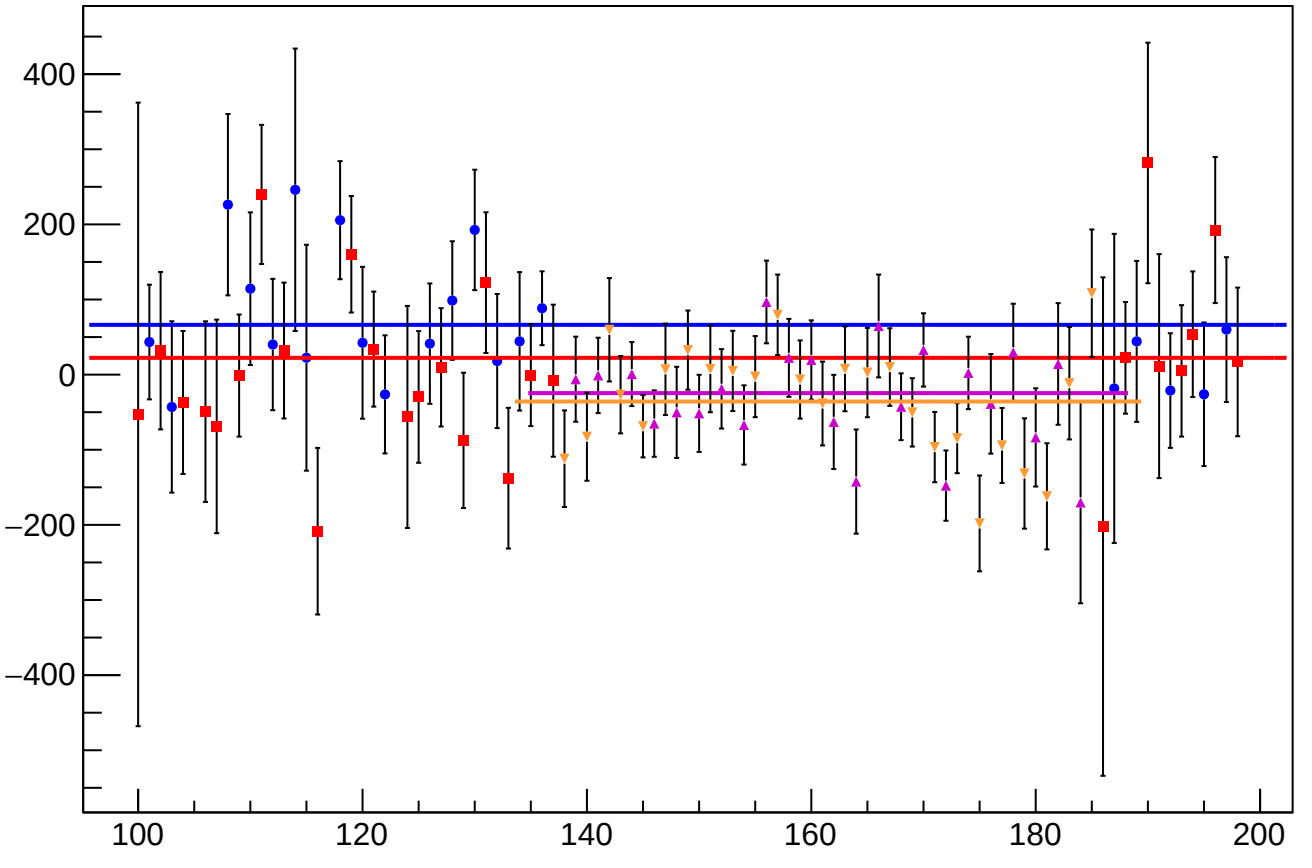
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 697.283+/-0.111 χ^2/NDF: 7034041.4/47

In: 477.964+/-0.067 χ^2/NDF:5969179.5/43

Out: 481.083+/-0.064 χ^2/NDF:8053079.5/51

All: 479.576+/-0.046 χ^2/NDF: 14023394.1/95



Right In: 66.283+/-19.360 χ^2/NDF: 14.4/20

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 22.368+/-18.592 χ^2/NDF: 27.1/26

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

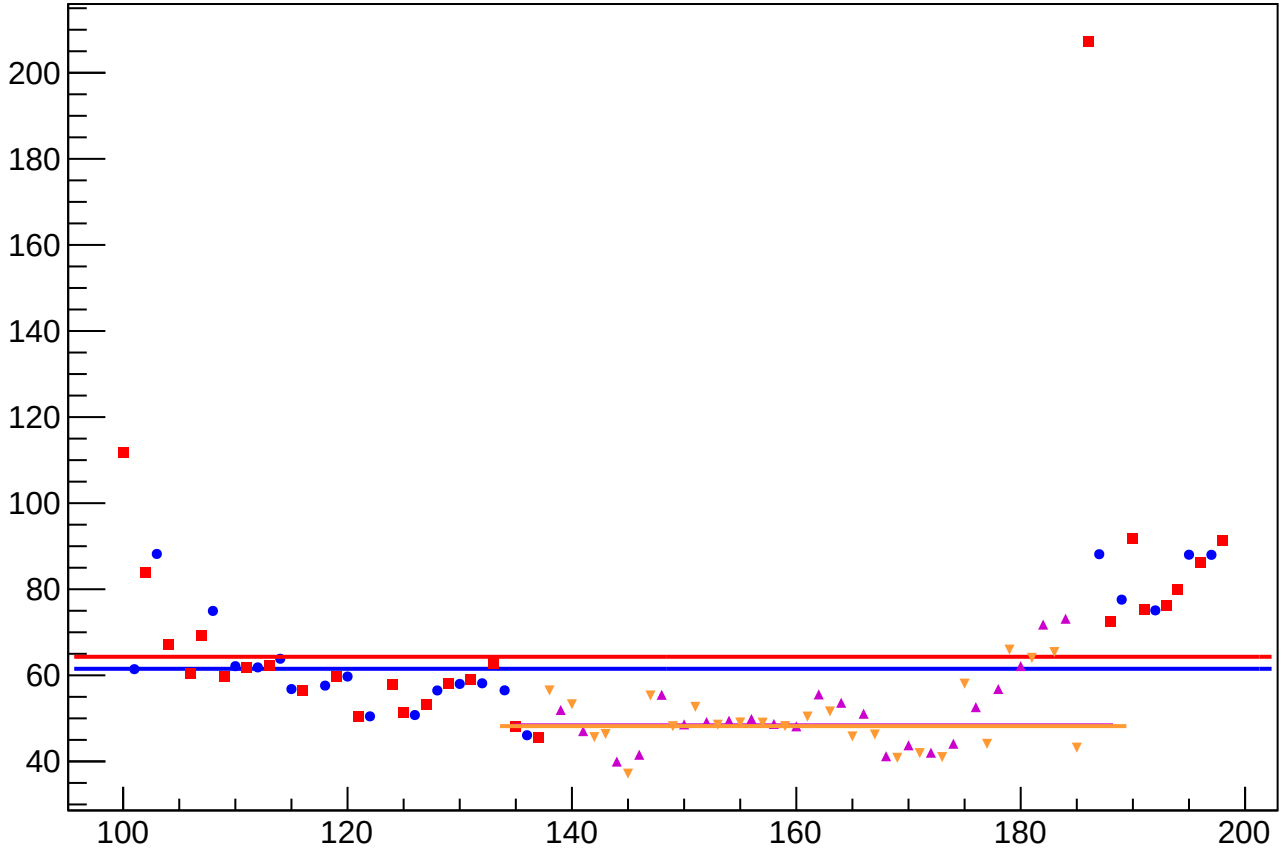
Right: 43.437+/-13.410 χ^2/NDF: 44.2/47

In: -0.964+/-9.869 χ^2/NDF:56.5/43

Out: -20.469+/-9.543 χ^2/NDF:68.0/51

All: -11.044+/-6.860 χ^2/NDF: 126.5/95

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 61.518+/-0.014 χ^2/NDF: 882432.1/20

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 64.309+/-0.013 χ^2/NDF: 1301197.6/26

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

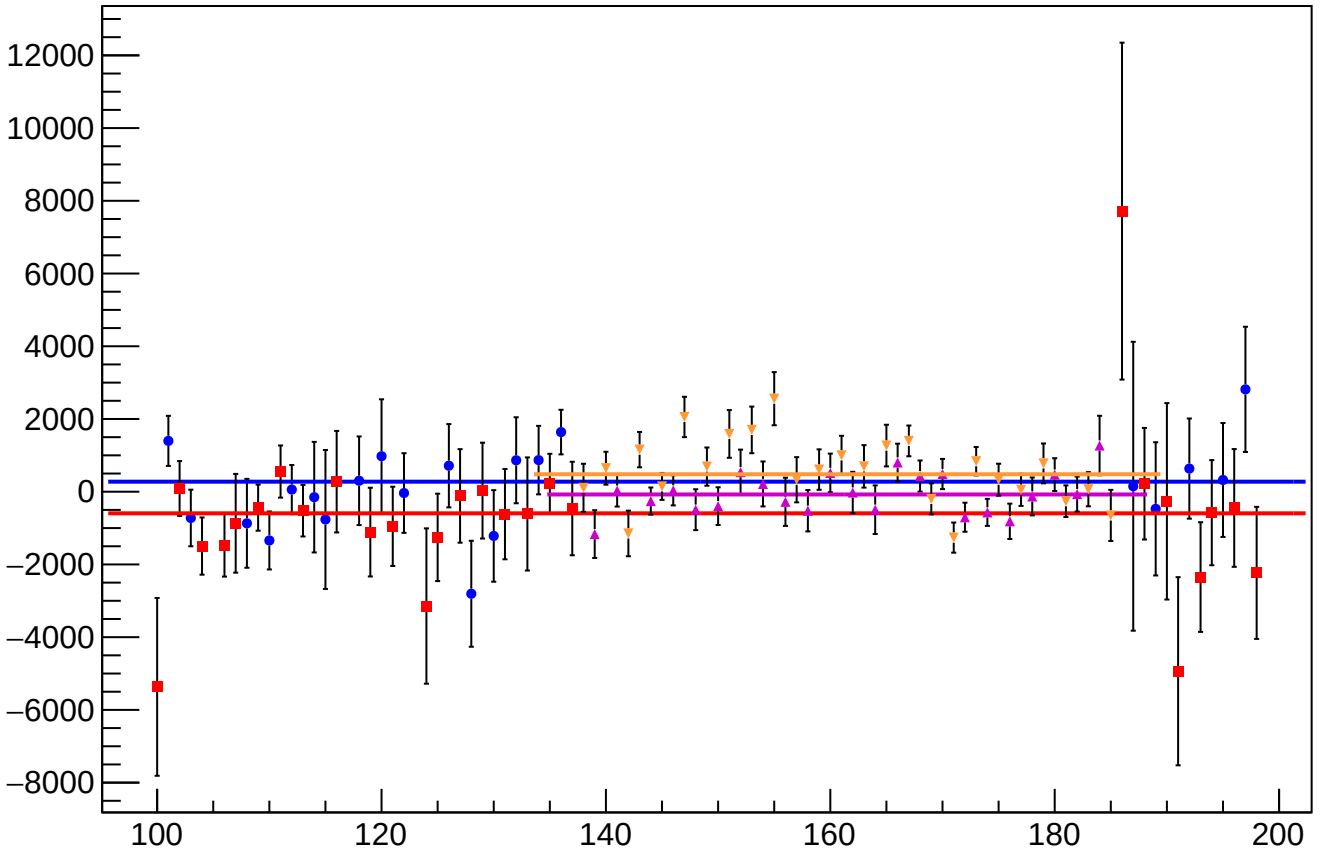
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 62.970+/-0.009 χ^2/NDF: 2205267.8/47

In: 51.794+/-0.007 χ^2/NDF:2259432.4/43

Out: 52.443+/-0.007 χ^2/NDF:3187695.8/51

All: 52.130+/-0.005 χ^2/NDF: 5451595.0/95



Right In: 276.090+/-230.519 χ^2/NDF: 24.1/20

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -594.256+/-215.810 χ^2/NDF: 21.9/26

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

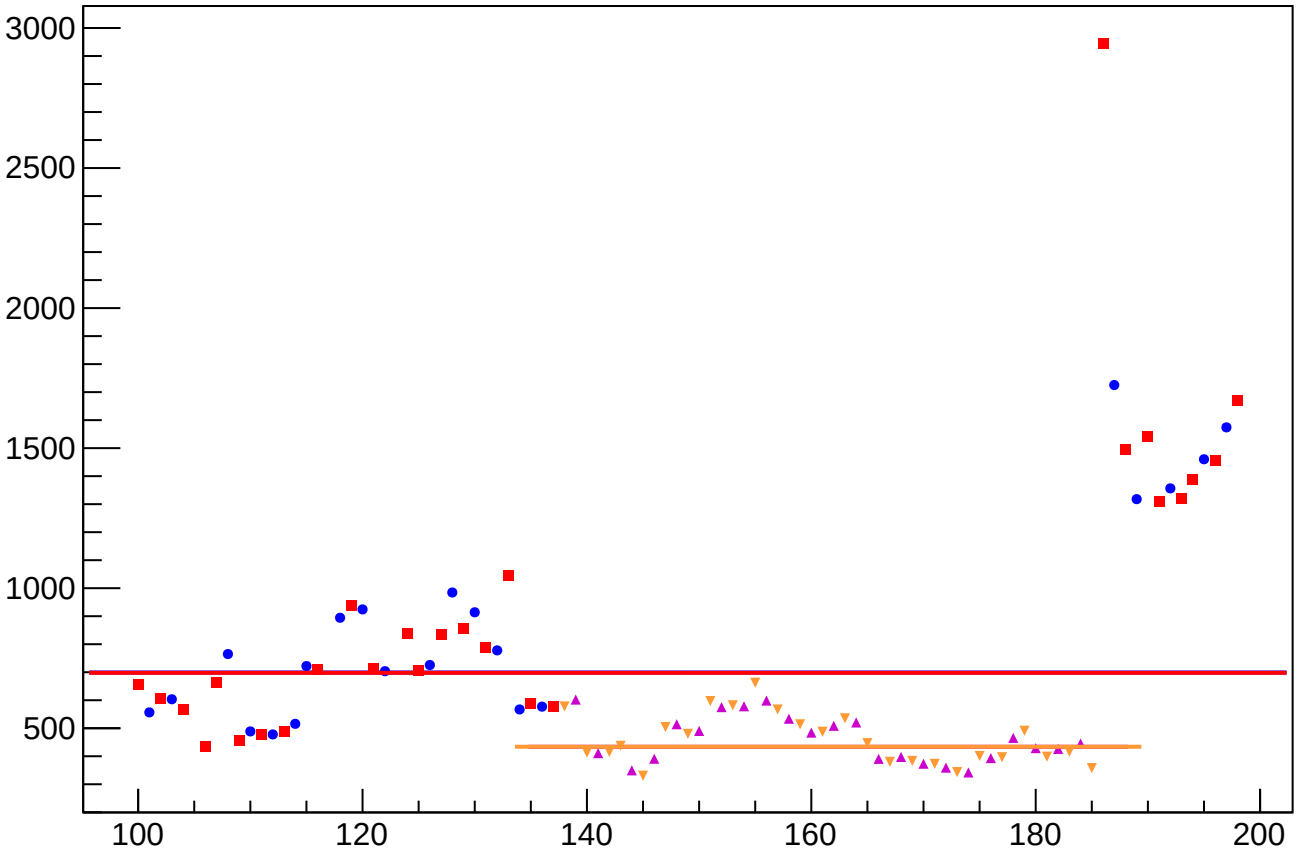
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -187.735+/-157.544 χ^2/NDF: 53.6/47

In: -17.004+/-94.137 χ^2/NDF:50.5/43

Out: 288.643+/-91.125 χ^2/NDF:111.5/51

All: 140.788+/-65.474 χ^2/NDF: 167.4/95



Right In: 699.018+/-0.163 χ^2/NDF: 2667210.8/20

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 697.919+/-0.153 χ^2/NDF: 4353041.2/26

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

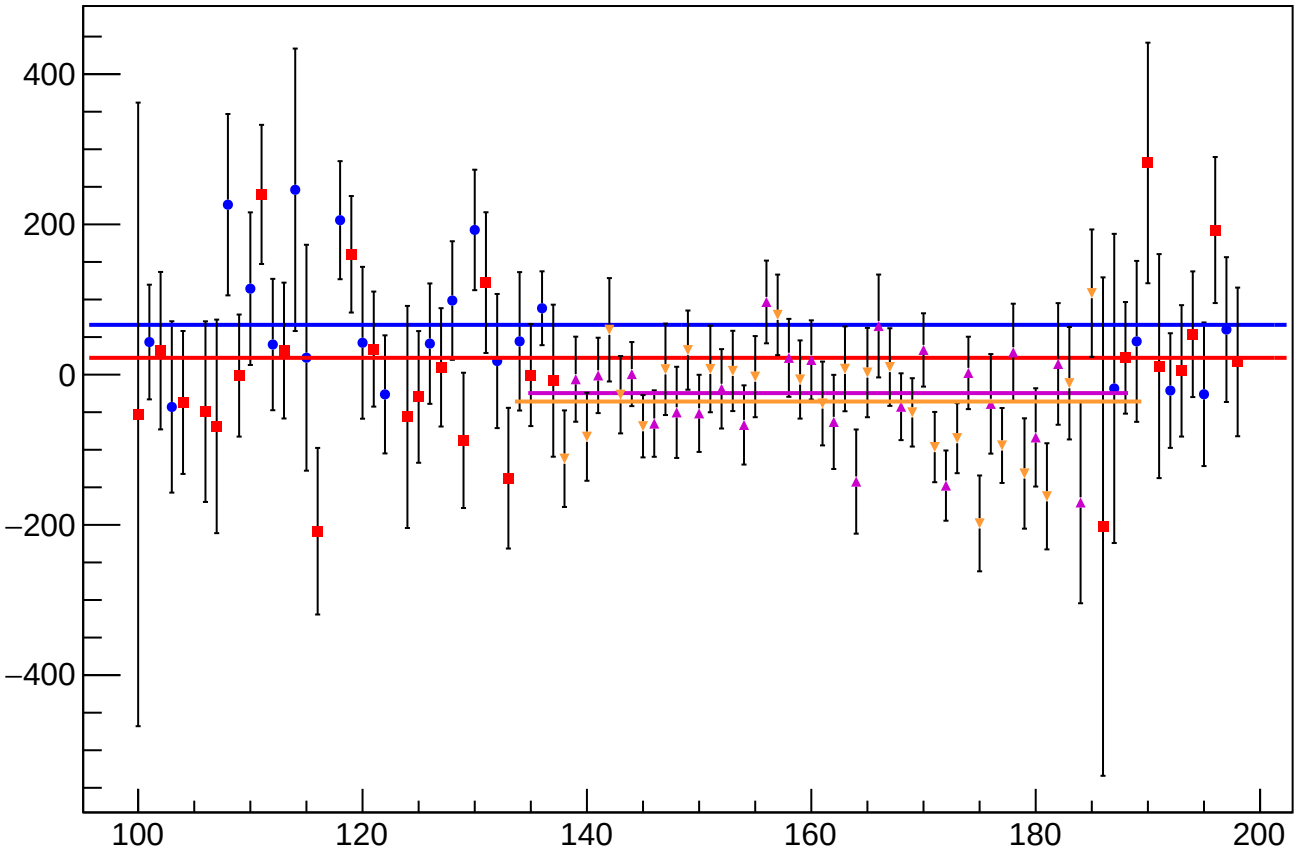
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 698.432+/-0.111 χ^2/NDF: 7020276.2/47

In: 477.964+/-0.067 χ^2/NDF:5969206.1/43

Out: 481.009+/-0.064 χ^2/NDF:8055566.2/51

All: 479.536+/-0.046 χ^2/NDF: 14025852.7/95



Right In: 66.283+/-19.360 χ^2/NDF: 14.4/20

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 22.368+/-18.592 χ^2/NDF: 27.1/26

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

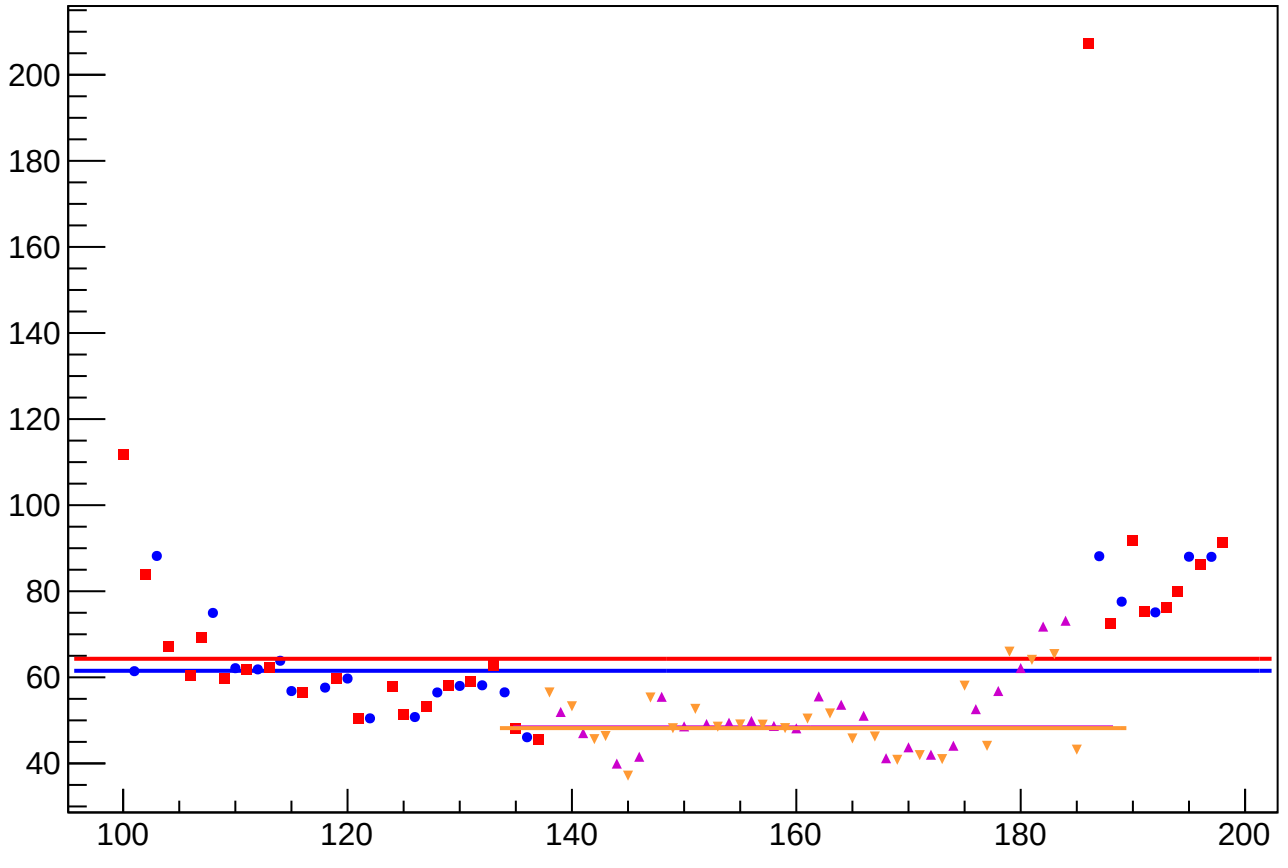
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 43.437+/-13.410 χ^2/NDF: 44.2/47

In: -0.964+/-9.869 χ^2/NDF:56.5/43

Out: -20.469+/-9.543 χ^2/NDF:68.0/51

All: -11.044+/-6.860 χ^2/NDF: 126.5/95



Right In: 61.518+/-0.014 χ^2/NDF: 882432.1/20

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 64.309+/-0.013 χ^2/NDF: 1301197.6/26

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

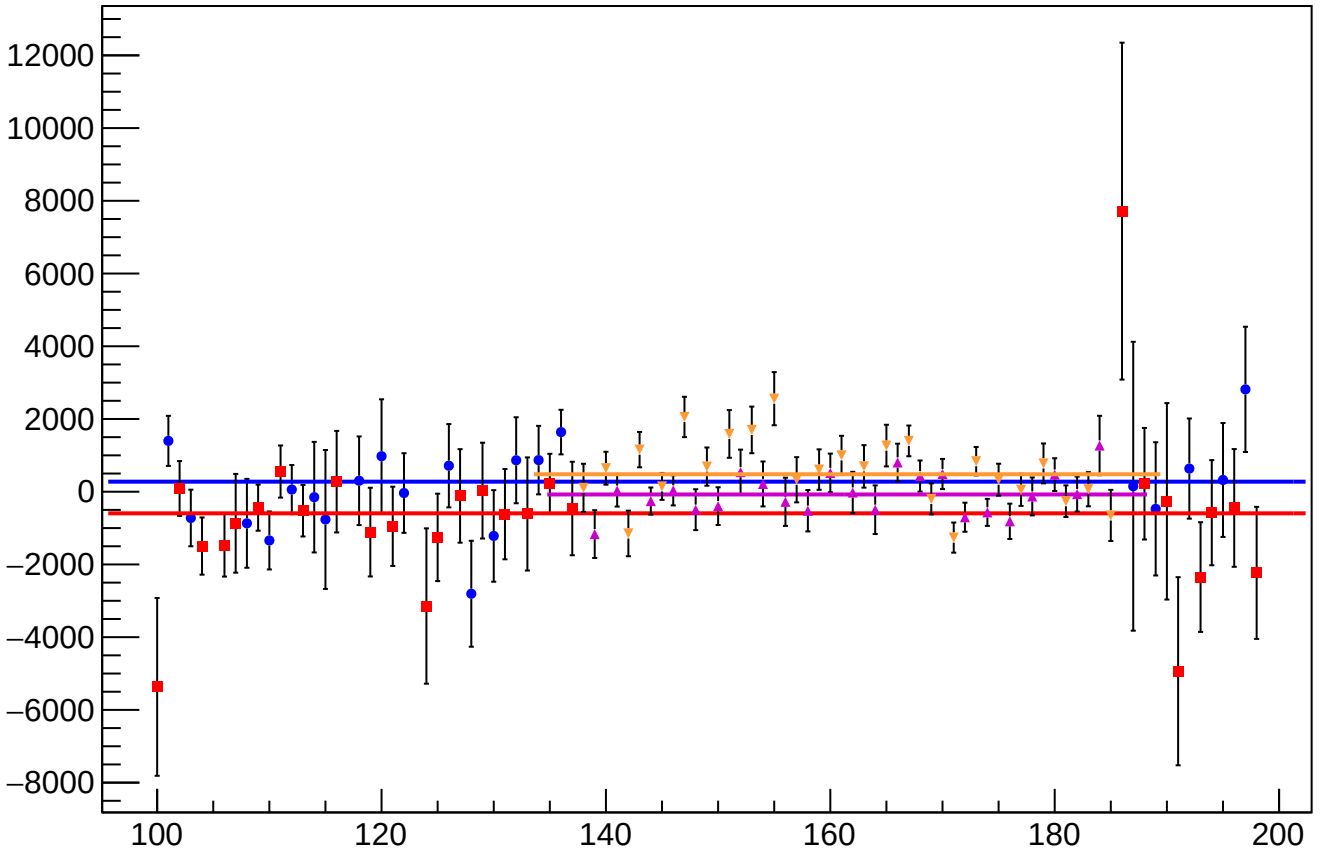
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 62.970+/-0.009 χ^2/NDF: 2205267.8/47

In: 51.794+/-0.007 χ^2/NDF:2259432.4/43

Out: 52.443+/-0.007 χ^2/NDF:3187695.8/51

All: 52.130+/-0.005 χ^2/NDF: 5451595.0/95



Right In: 276.090+/-230.519 χ^2/NDF: 24.1/20

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -594.256+/-215.810 χ^2/NDF: 21.9/26

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

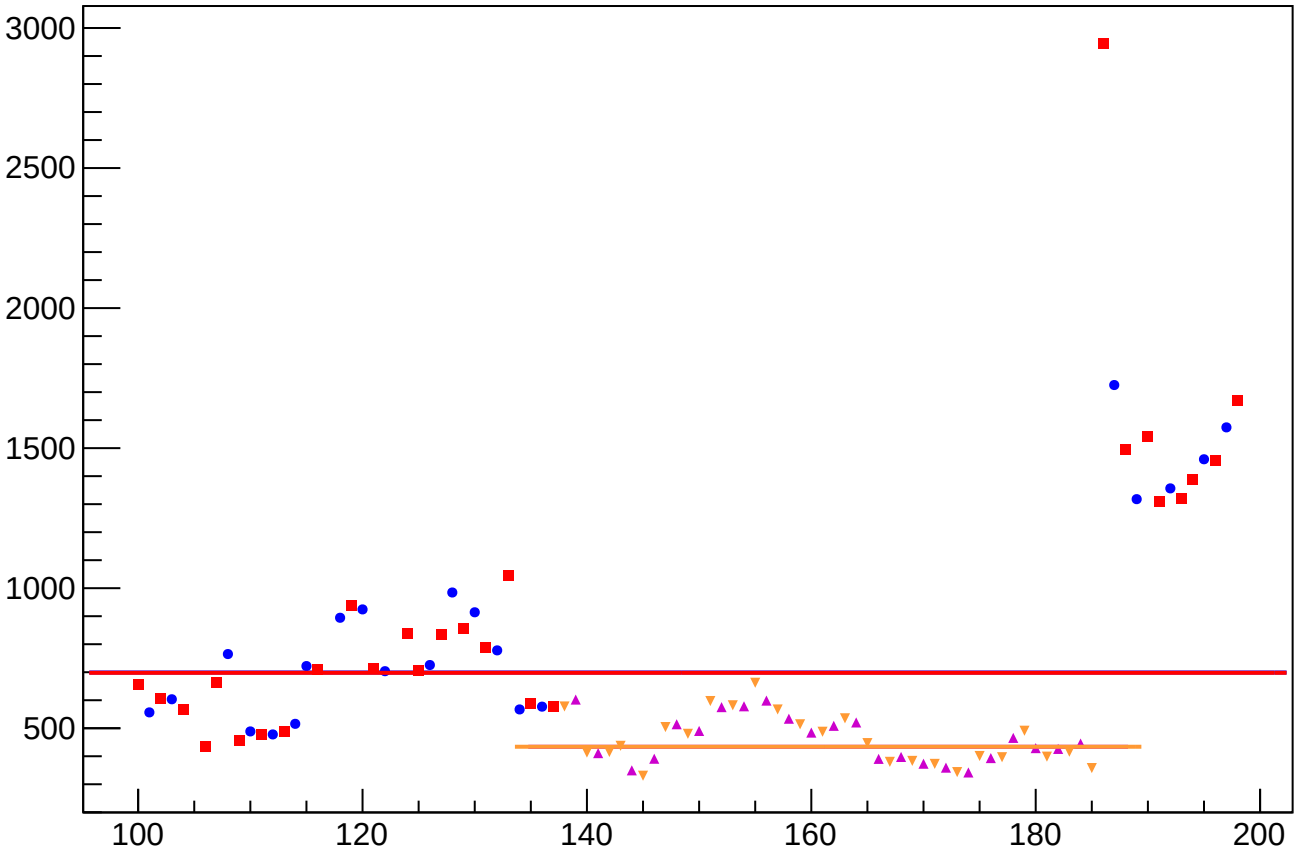
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -187.735+/-157.544 χ^2/NDF: 53.6/47

In: -17.004+/-94.137 χ^2/NDF:50.5/43

Out: 288.643+/-91.125 χ^2/NDF:111.5/51

All: 140.788+/-65.474 χ^2/NDF: 167.4/95



Right In: 699.018+/-0.163 χ^2/NDF: 2667210.8/20

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 697.919+/-0.153 χ^2/NDF: 4353041.2/26

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

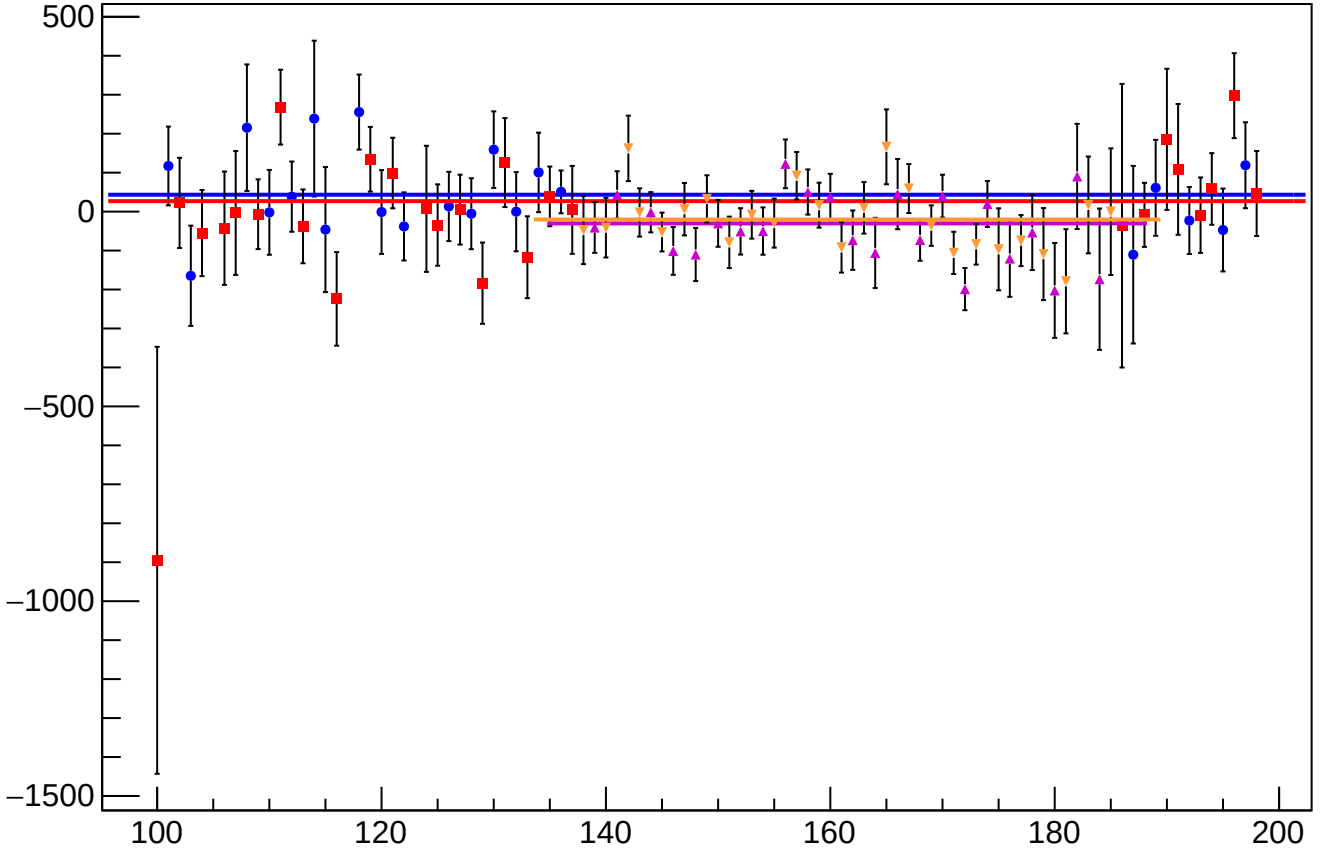
Right: 698.432+/-0.111 χ^2/NDF: 7020276.2/47

In: 477.964+/-0.067 χ^2/NDF:5969206.1/43

Out: 481.009+/-0.064 χ^2/NDF:8055566.2/51

All: 479.536+/-0.046 χ^2/NDF: 14025852.7/95

dit_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: 43.328+/-22.041 χ^2/NDF: 16.2/20

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: 26.832+/-20.829 χ^2/NDF: 32.1/26

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

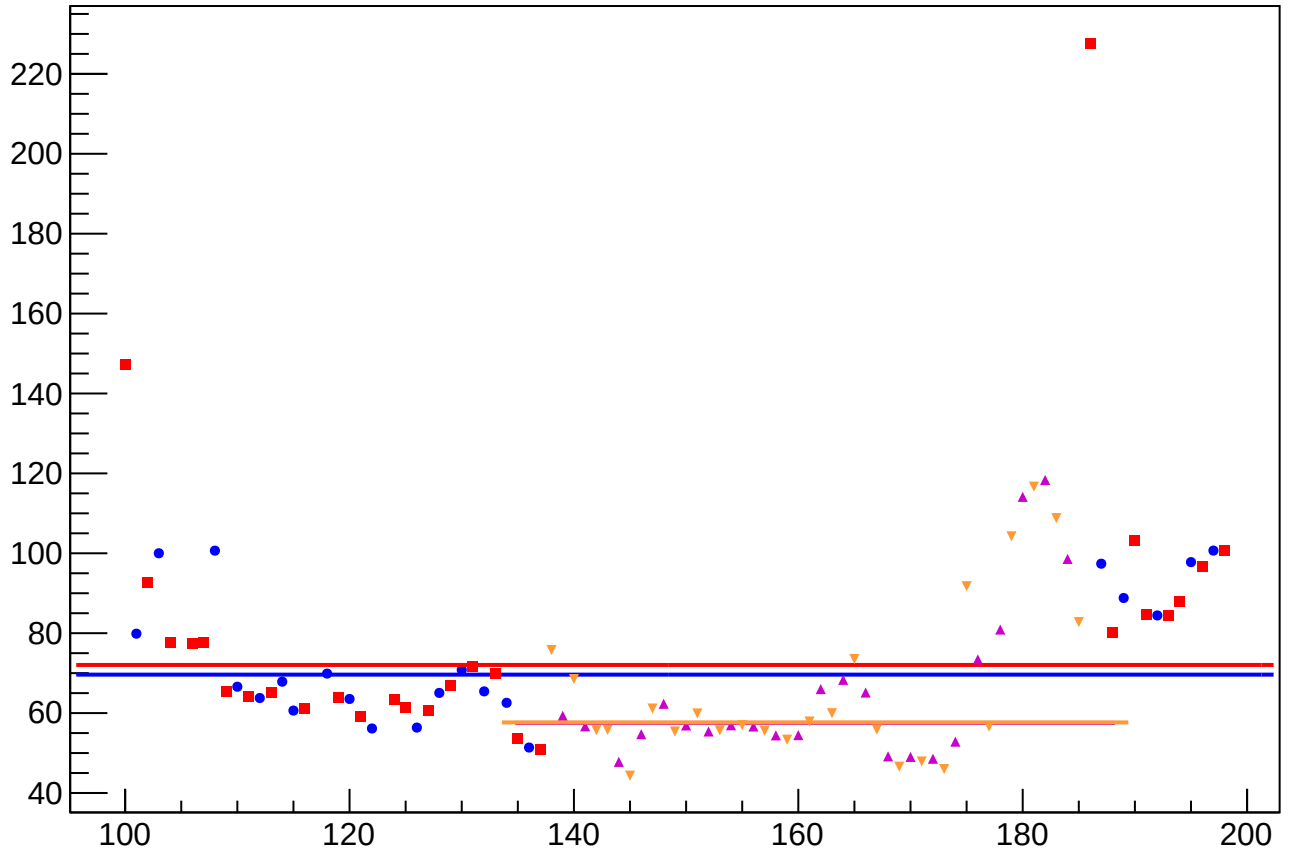
Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

Right: 34.614+/-15.139 χ^2/NDF: 48.6/47

In: -9.193+/-11.805 χ^2/NDF:56.7/43

Out: -6.138+/-11.409 χ^2/NDF:60.8/51

All: -7.613+/-8.204 χ^2/NDF: 117.6/95



Right In: 69.626+/-0.016 χ^2/NDF: 995396.5/20

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 72.051+/-0.015 χ^2/NDF: 1260698.1/26

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

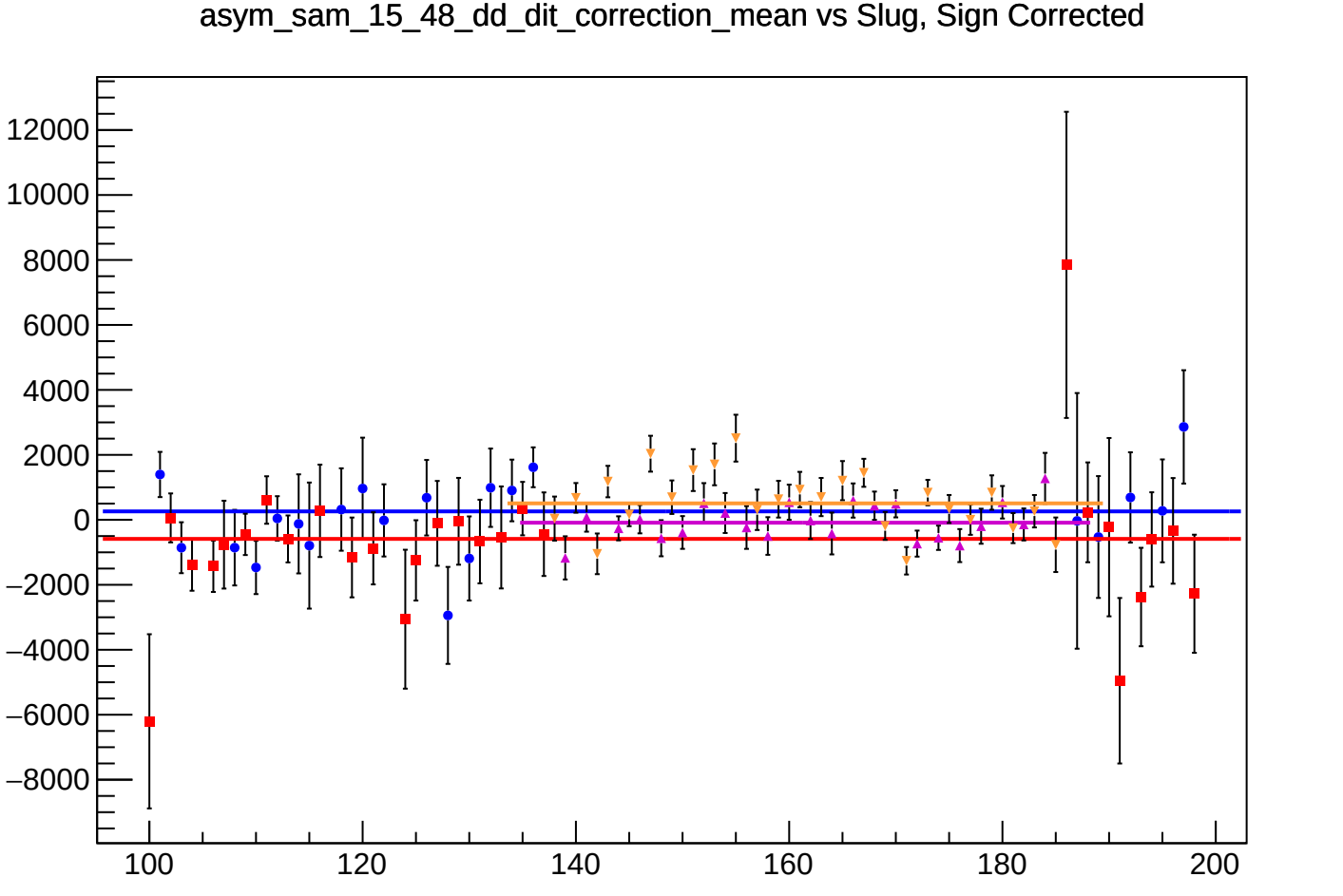
Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

Right: 70.907+/-0.011 χ^2/NDF: 2268880.9/47

In: 61.006+/-0.008 χ^2/NDF:2867547.3/43

Out: 61.983+/-0.008 χ^2/NDF:3837944.4/51

All: 61.511+/-0.006 χ^2/NDF: 6712574.4/95



Right In: 259.922+/-233.012 χ^2/NDF: 25.0/20

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: -586.887+/-216.666 χ^2/NDF: 22.6/26

Left In: -88.471+/-104.542 χ^2/NDF:23.3/22

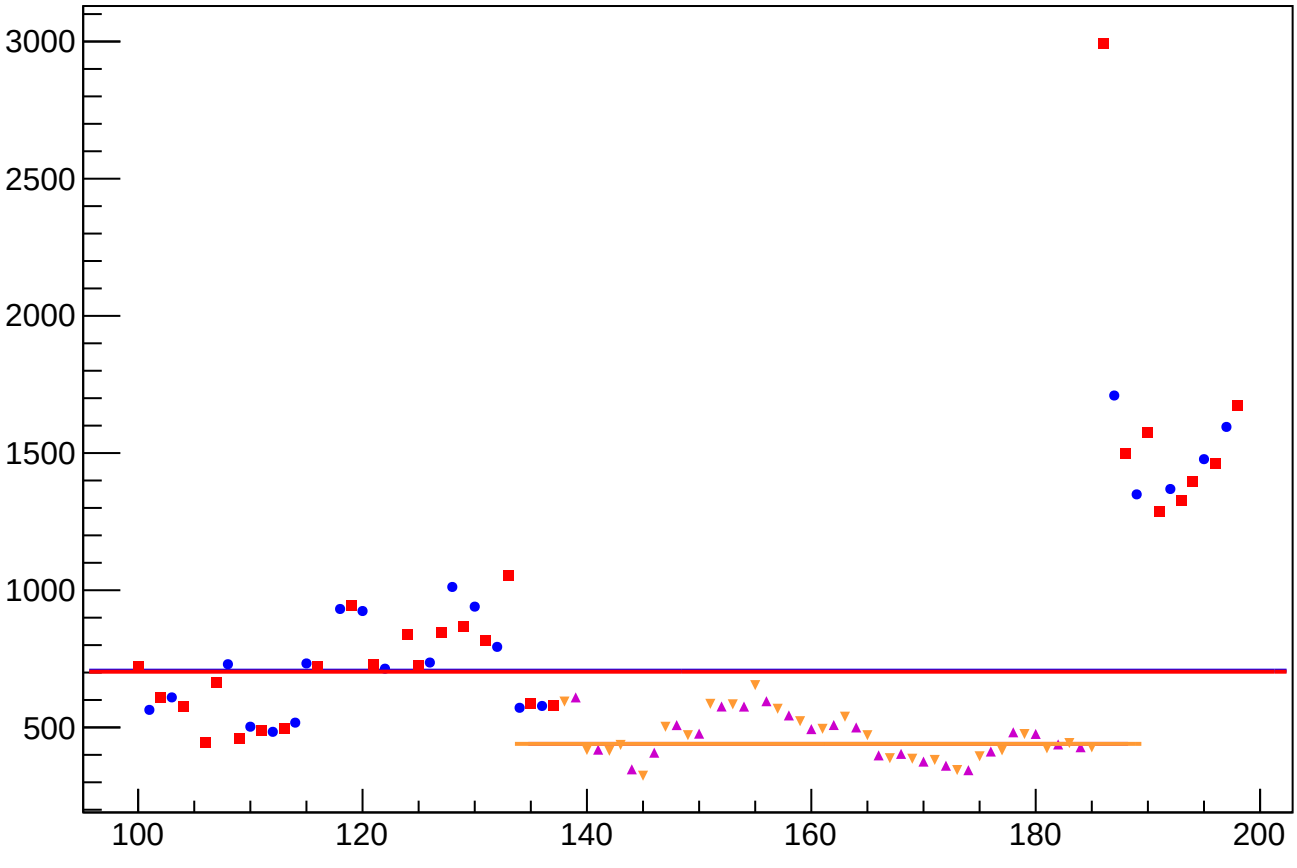
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -194.224+/-158.670 χ^2/NDF: 54.7/47

In: -30.094+/-95.382 χ^2/NDF:50.1/43

Out: 309.401+/-92.119 χ^2/NDF:109.3/51

All: 145.559+/-66.261 χ^2/NDF: 166.0/95



Right In: 706.837+/-0.165 χ^2/NDF: 2684416.6/20

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 703.116+/-0.153 χ^2/NDF: 4357983.0/26

Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

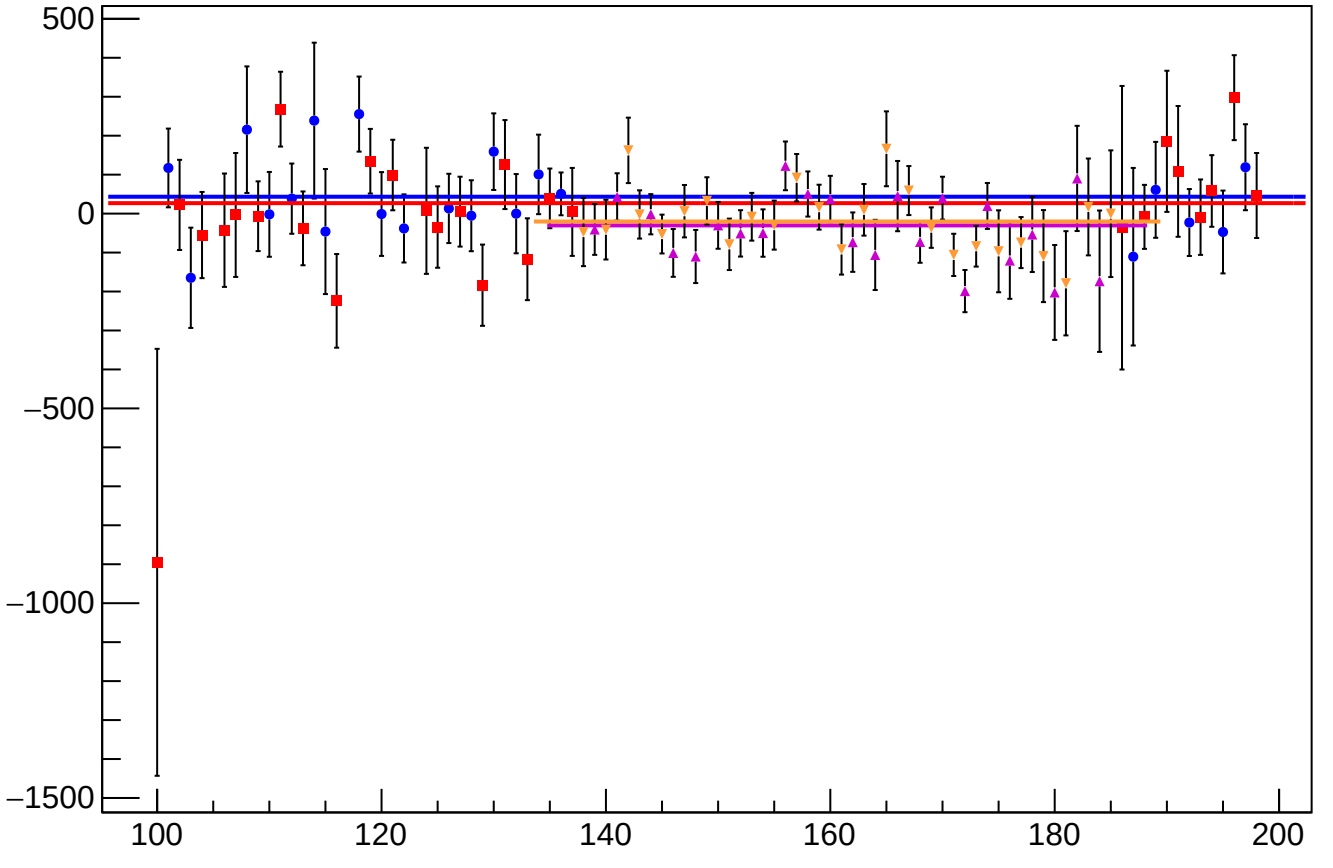
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 704.841+/-0.112 χ^2/NDF: 7042673.1/47

In: 484.609+/-0.067 χ^2/NDF:5931658.3/43

Out: 487.624+/-0.065 χ^2/NDF:7969875.6/51

All: 486.169+/-0.047 χ^2/NDF: 13902567.8/95



Right In: 43.327+/-22.041 χ^2/NDF: 16.2/20

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: 26.832+/-20.829 χ^2/NDF: 32.1/26

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

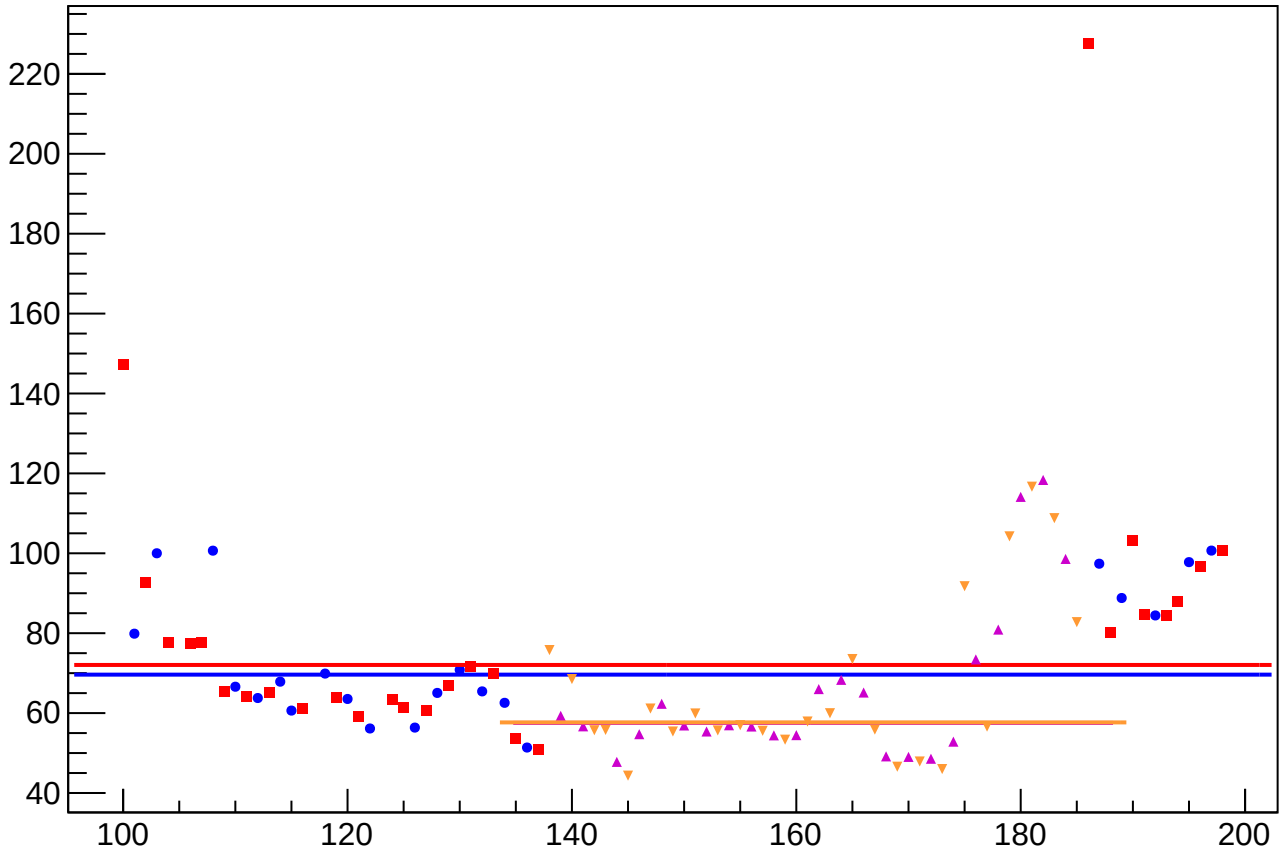
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 34.613+/-15.139 χ^2/NDF: 48.6/47

In: -9.194+/-11.805 χ^2/NDF:56.7/43

Out: -6.138+/-11.409 χ^2/NDF:60.8/51

All: -7.614+/-8.204 χ^2/NDF: 117.6/95



Right In: 69.626+/-0.016 χ^2/NDF: 995392.7/20

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

Right Out: 72.050+/-0.015 χ^2/NDF: 1260710.4/26

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

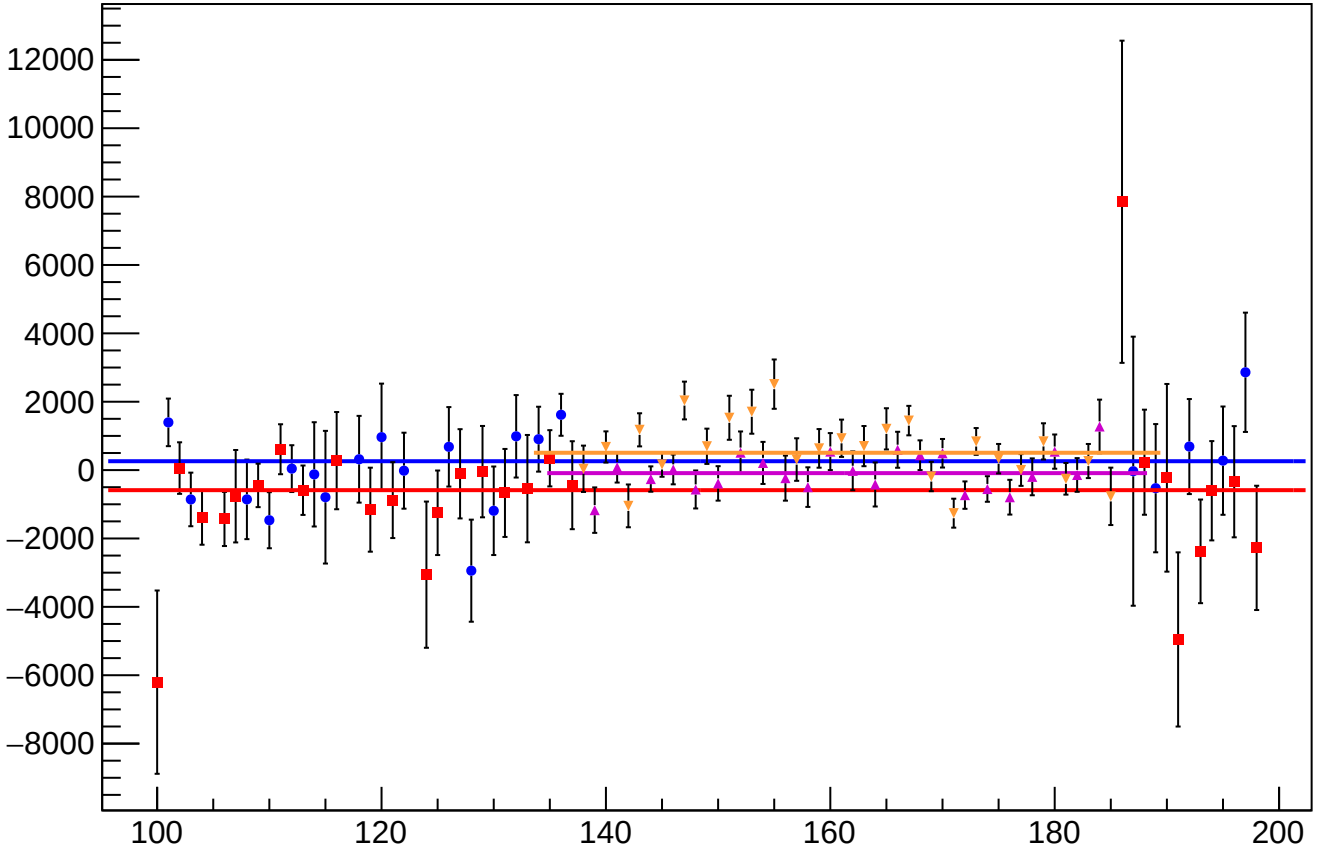
Right: 70.907+/-0.011 χ^2/NDF: 2268889.1/47

In: 61.006+/-0.008 χ^2/NDF:2867515.1/43

Out: 61.983+/-0.008 χ^2/NDF:3837929.5/51

All: 61.511+/-0.006 χ^2/NDF: 6712527.9/95

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 259.921+/-233.012 χ^2/NDF: 25.0/20

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

Right Out: -586.886+/-216.666 χ^2/NDF: 22.6/26

Left In: -88.471+/-104.541 χ^2/NDF:23.3/22

Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

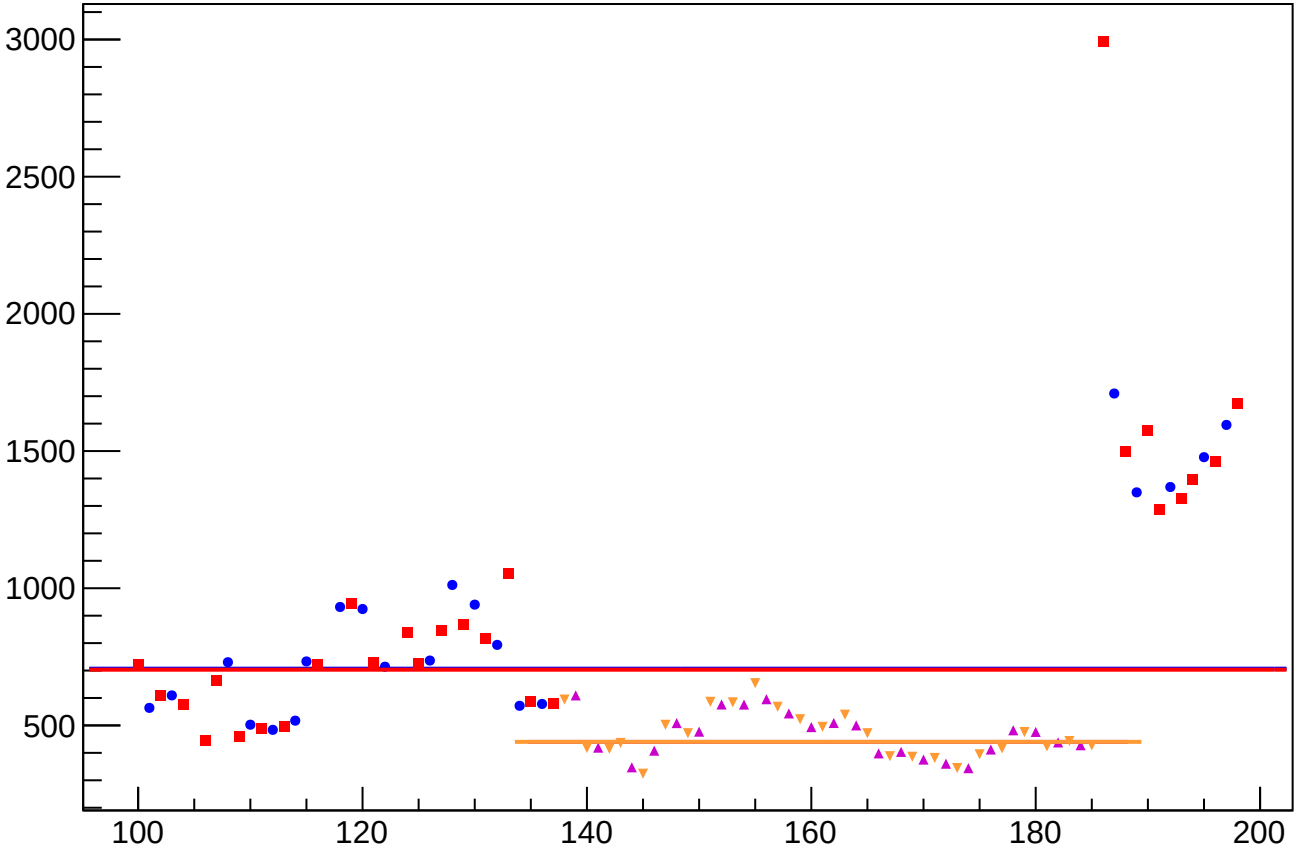
Right: -194.224+/-158.670 χ^2/NDF: 54.7/47

In: -30.094+/-95.381 χ^2/NDF:50.1/43

Out: 309.401+/-92.119 χ^2/NDF:109.3/51

All: 145.559+/-66.261 χ^2/NDF: 166.0/95

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 706.836+/-0.165 χ^2/NDF: 2684420.5/20

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 703.115+/-0.153 χ^2/NDF: 4357985.1/26

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

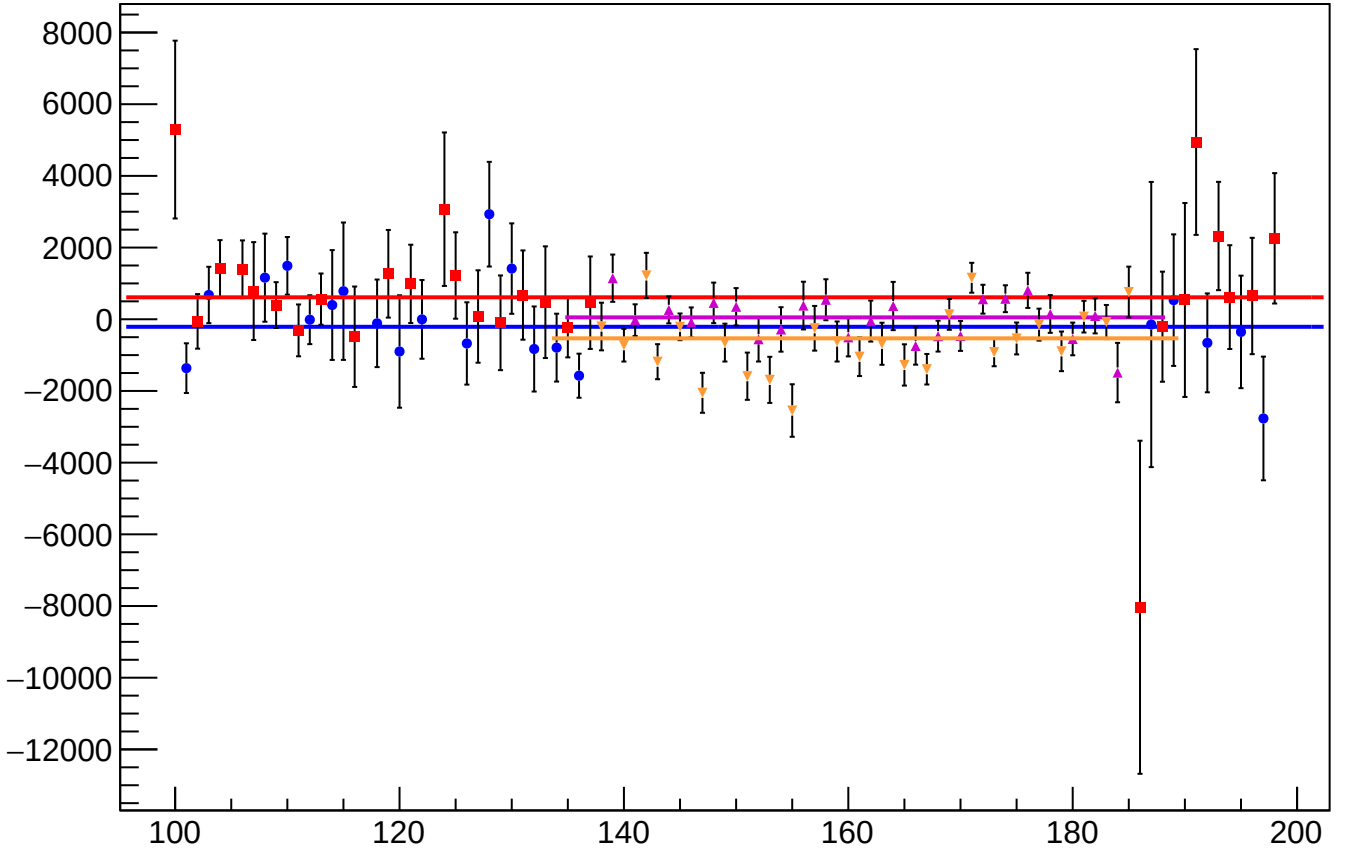
Right: 704.840+/-0.112 χ^2/NDF: 7042679.1/47

In: 484.608+/-0.067 χ^2/NDF:5931680.4/43

Out: 487.623+/-0.065 χ^2/NDF:7969896.8/51

All: 486.168+/-0.047 χ^2/NDF: 13902611.2/95

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -210.271+/-231.749 χ^2/NDF: 25.0/20

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: 612.438+/-215.965 χ^2/NDF: 20.8/26

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

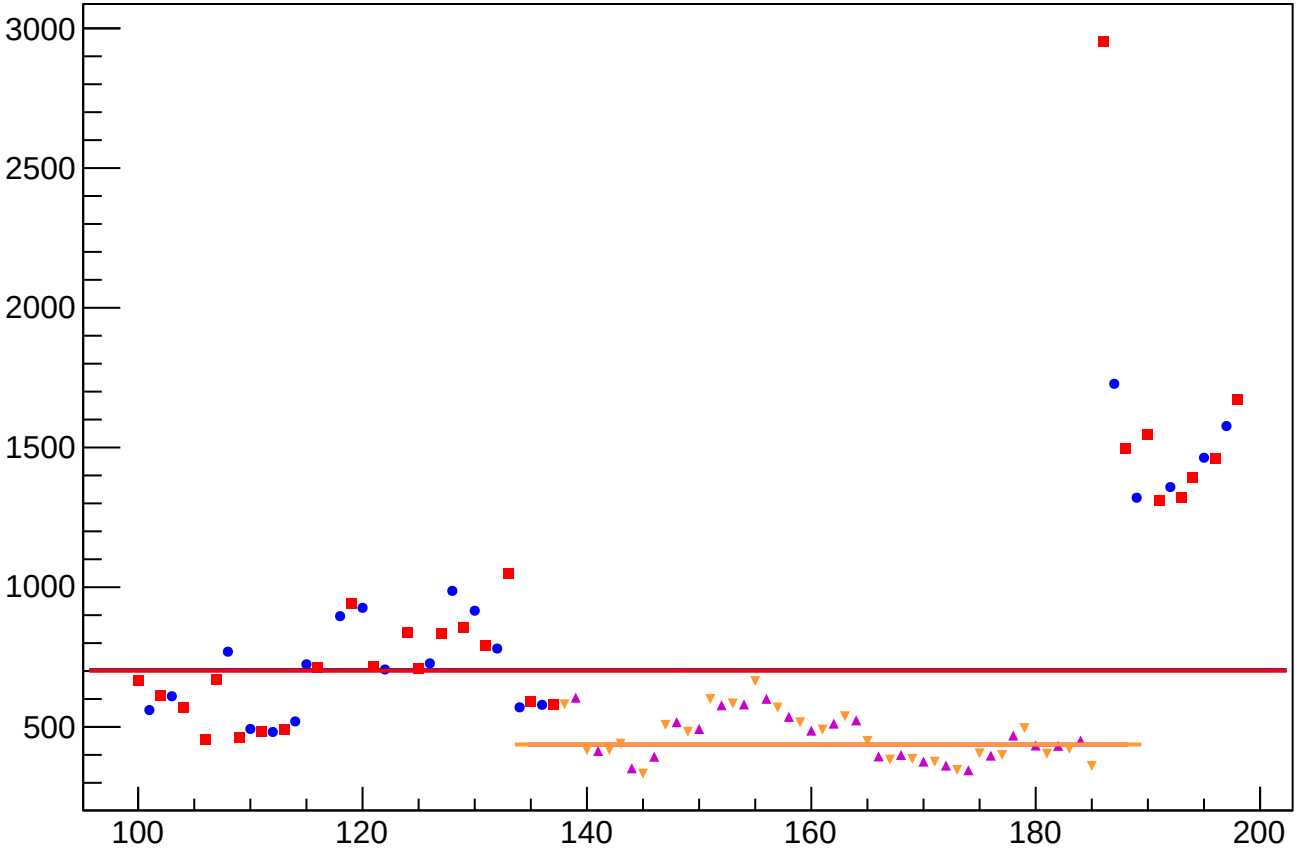
Right: 230.051+/-157.996 χ^2/NDF: 52.6/47

In: 8.588+/-94.785 χ^2/NDF:50.2/43

Out: -325.444+/-91.671 χ^2/NDF:109.4/51

All: -164.004+/-65.895 χ^2/NDF: 166.0/95

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 703.266+/-0.164 χ^2/NDF: 2641186.4/20

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

Right Out: 701.256+/-0.153 χ^2/NDF: 4314771.7/26

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

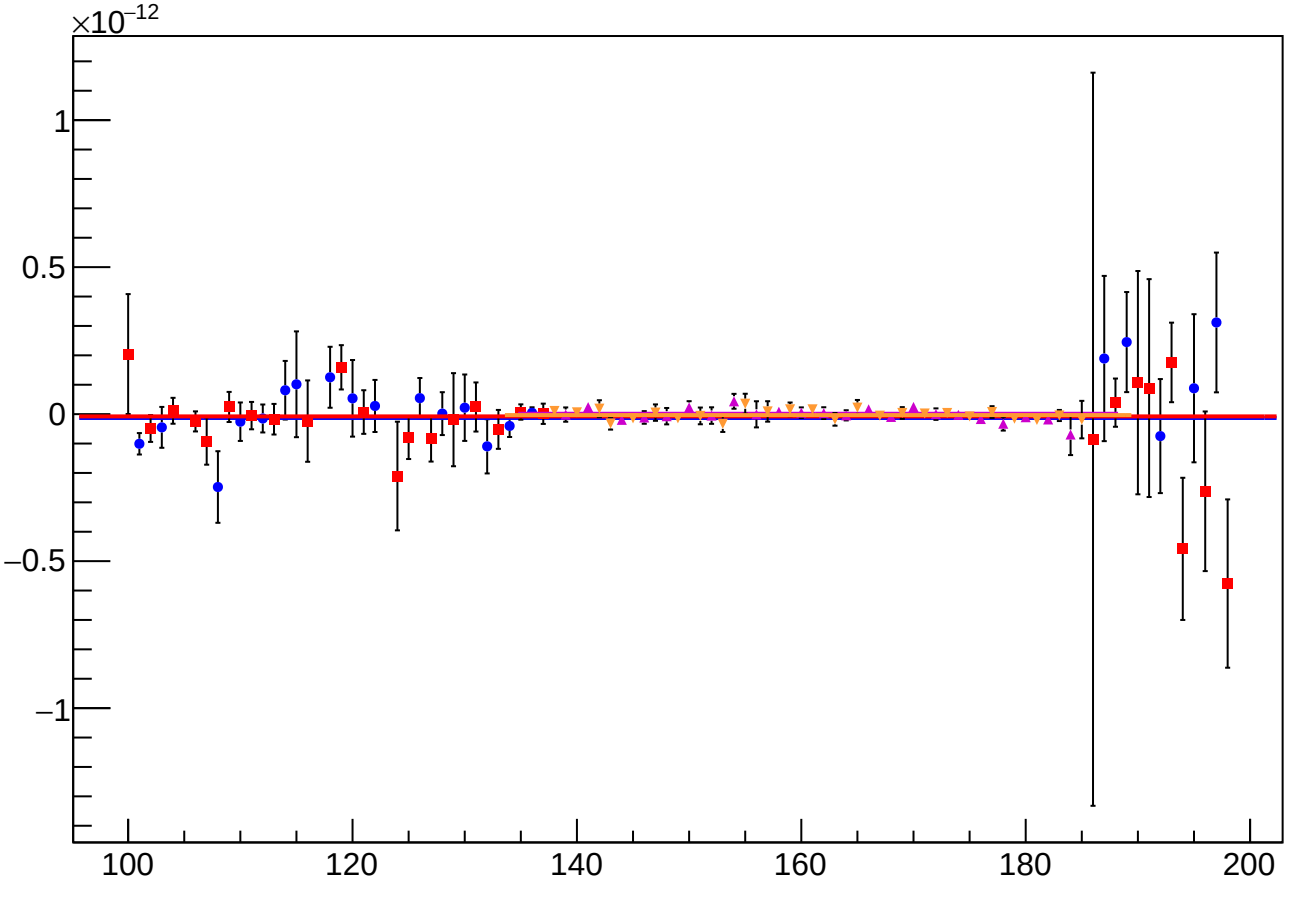
Right: 702.190+/-0.112 χ^2/NDF: 6956038.6/47

In: 481.489+/-0.067 χ^2/NDF:5920760.3/43

Out: 484.742+/-0.065 χ^2/NDF:7994202.4/51

All: 483.170+/-0.047 χ^2/NDF: 13916179.5/95

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.6/26

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

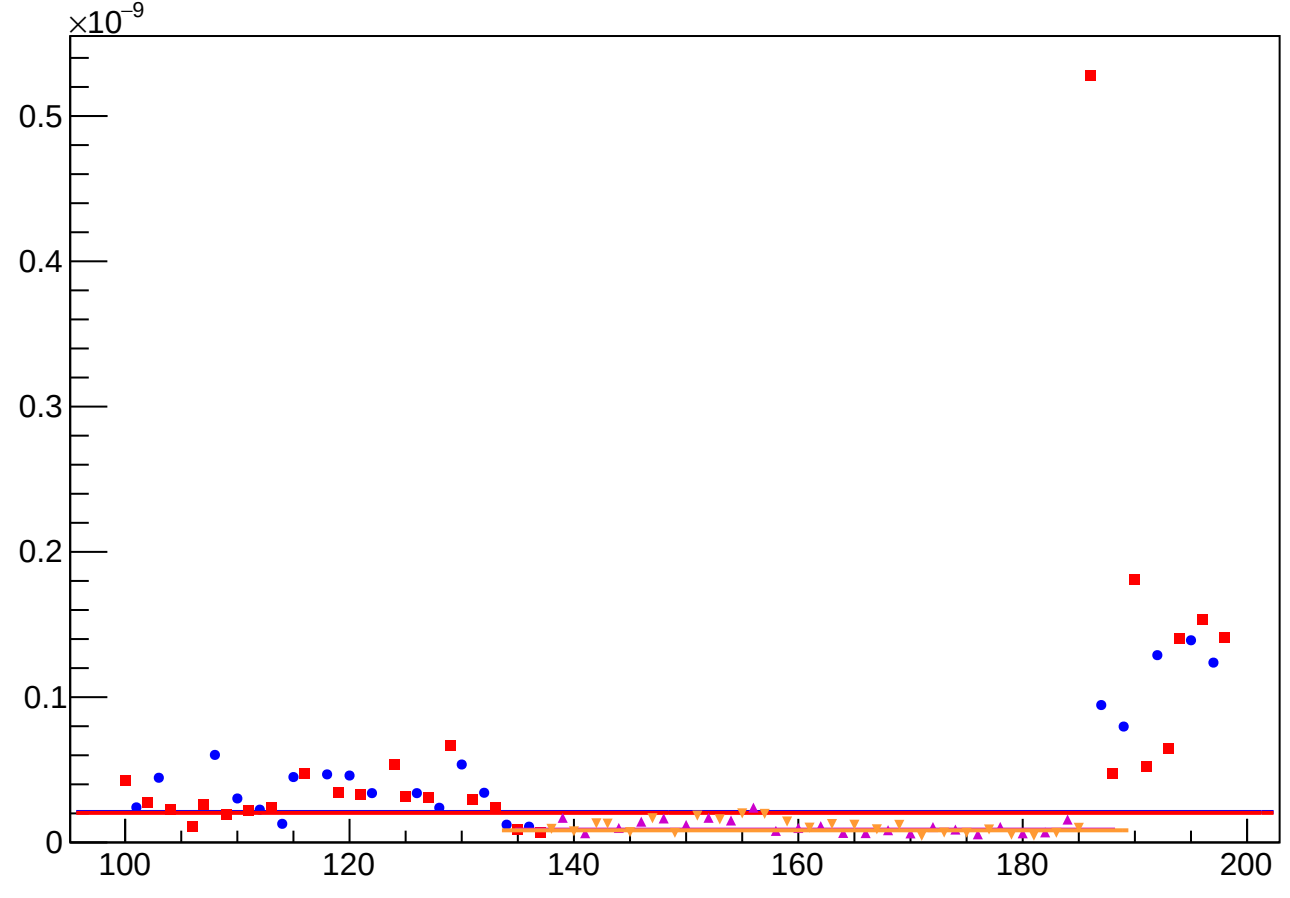
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

Right: -0.000+/-0.000 χ^2/NDF: 45.6/47

In: 0.000+/-0.000 χ^2/NDF:45.1/43

Out: -0.000+/-0.000 χ^2/NDF:38.1/51

All: -0.000+/-0.000 χ^2/NDF: 83.8/95



Right In: 0.000+/-0.000 χ^2/NDF: 3573659.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3957712.0/26

Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3869791.0/47

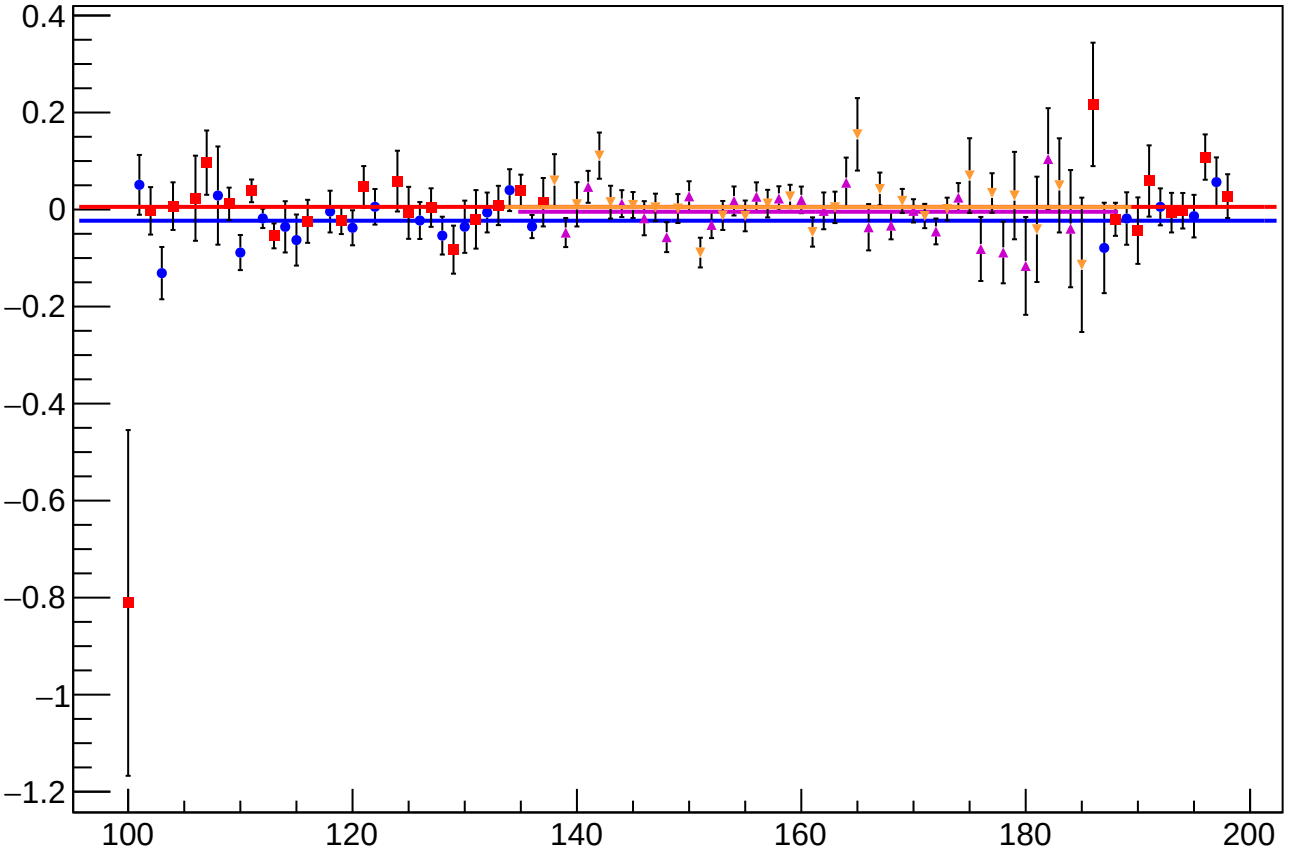
Right: 0.000+/-0.000 χ^2/NDF: 7533871.7/47

In: 0.000+/-0.000 χ^2/NDF:6956231.8/43

Out: 0.000+/-0.000 χ^2/NDF:8038103.1/51

All: 0.000+/-0.000 χ^2/NDF: 15018226.6/95

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.009 χ^2/NDF: 17.3/20

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.005+/-0.008 χ^2/NDF: 31.8/26

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

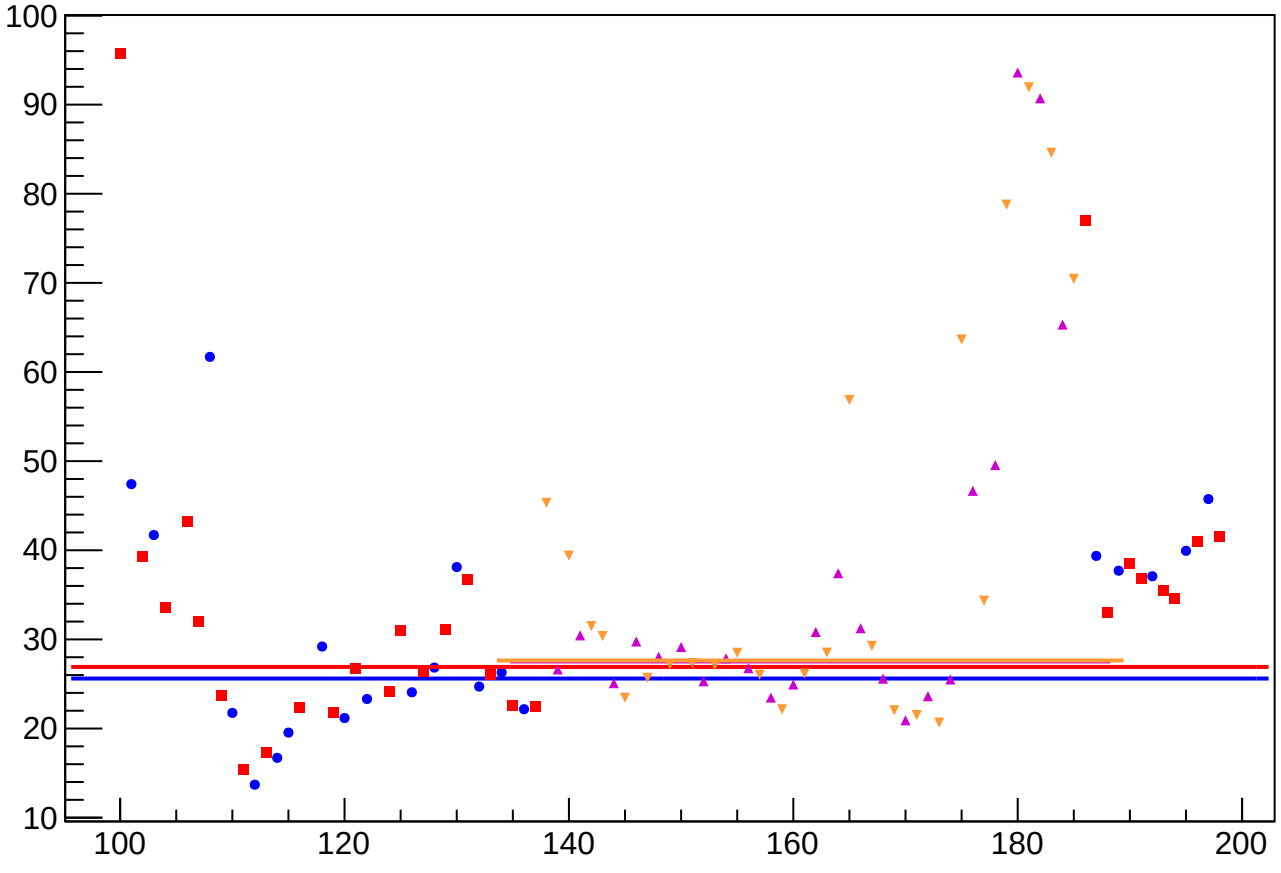
Right: -0.008+/-0.006 χ^2/NDF: 54.9/47

In: -0.012+/-0.005 χ^2/NDF:45.2/43

Out: 0.005+/-0.005 χ^2/NDF:60.2/51

All: -0.003+/-0.004 χ^2/NDF: 110.5/95

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.610+/-0.006 χ^2/NDF: 2562104.9/20

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 26.912+/-0.006 χ^2/NDF: 2362280.4/26

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

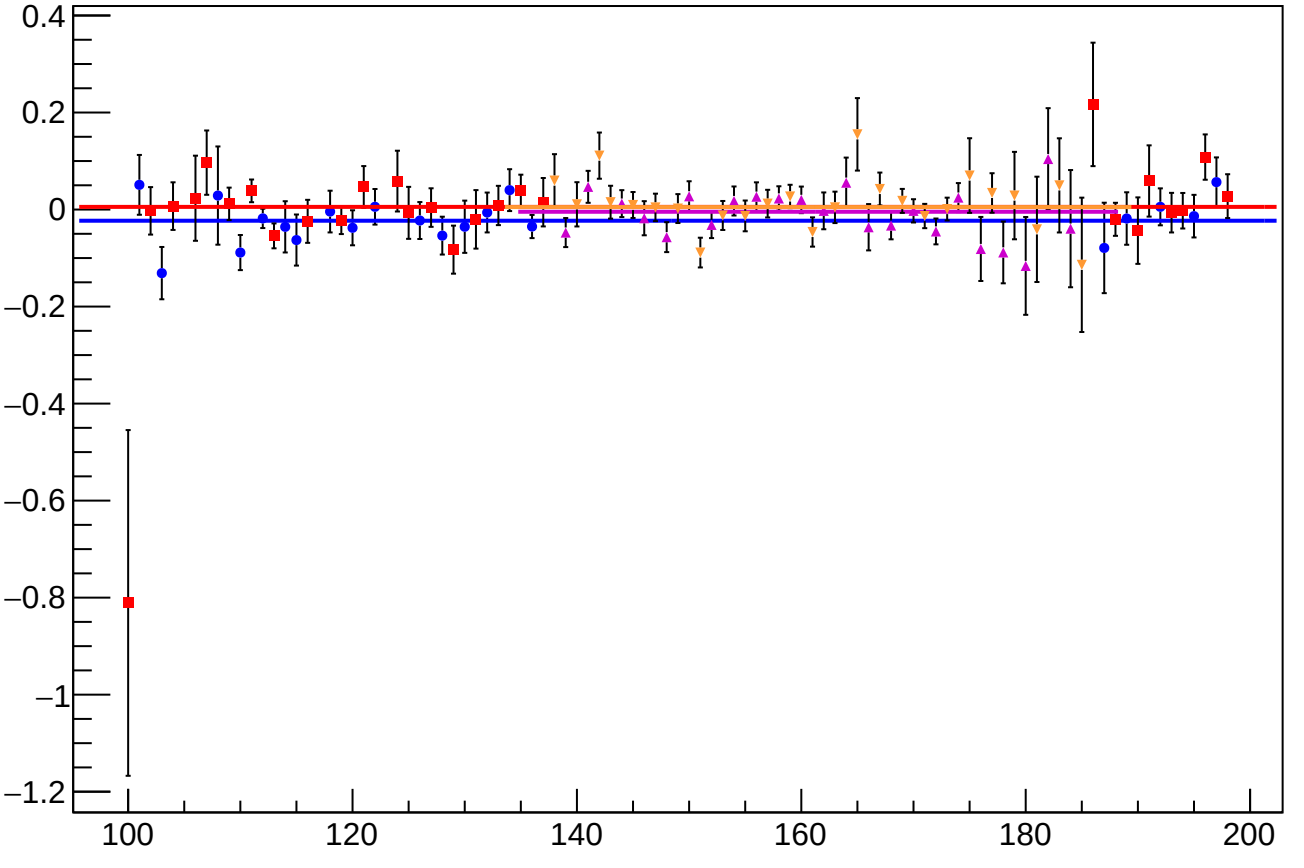
Right: 26.302+/-0.004 χ^2/NDF: 4948534.6/47

In: 26.768+/-0.004 χ^2/NDF:5256023.8/43

Out: 27.334+/-0.004 χ^2/NDF:6345635.3/51

All: 27.062+/-0.003 χ^2/NDF: 11612912.9/95

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.009 χ^2/NDF: 17.3/20

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.005+/-0.008 χ^2/NDF: 31.8/26

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

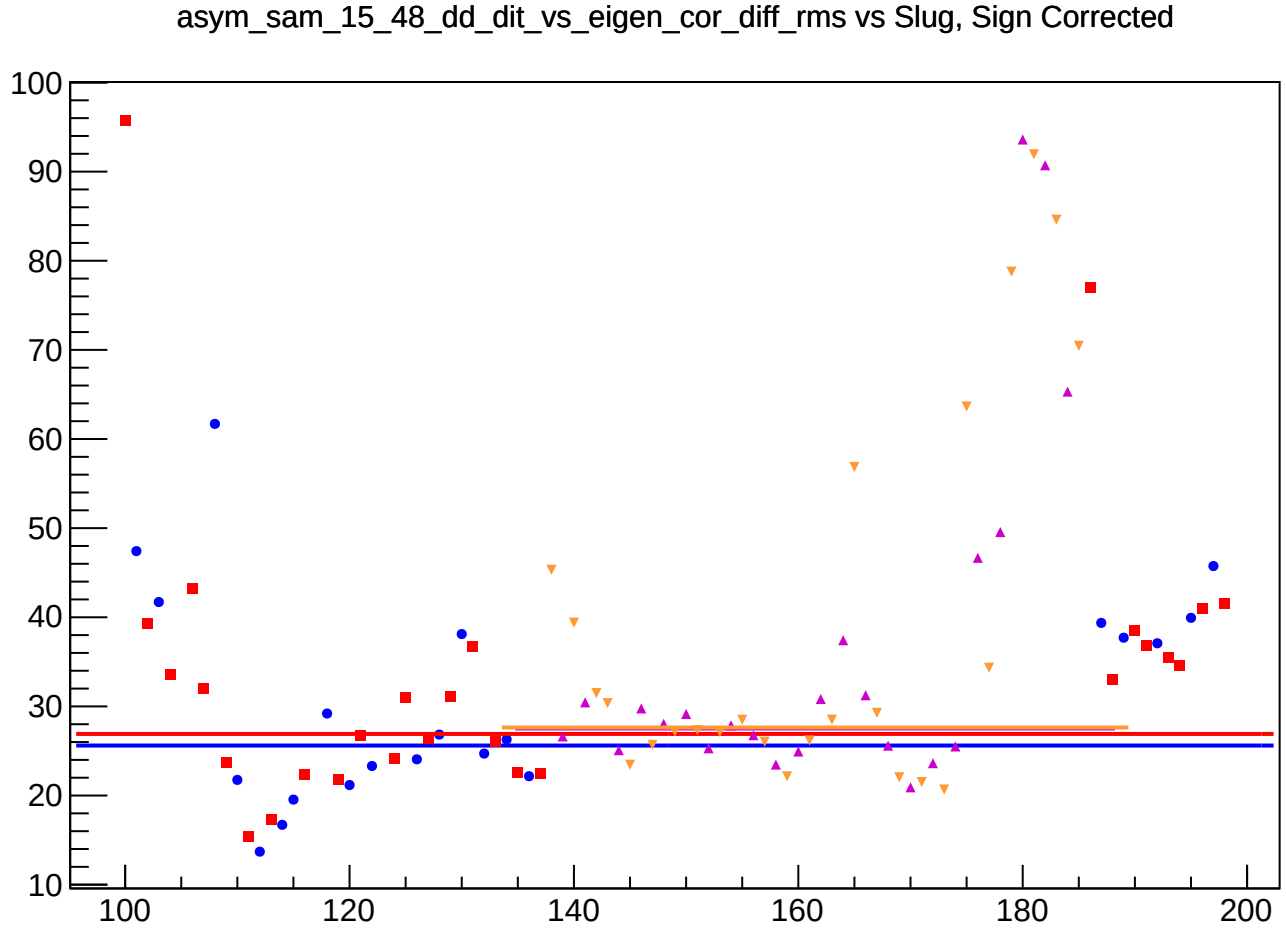
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.008+/-0.006 χ^2/NDF: 54.9/47

In: -0.012+/-0.005 χ^2/NDF:45.2/43

Out: 0.005+/-0.005 χ^2/NDF:60.2/51

All: -0.003+/-0.004 χ^2/NDF: 110.5/95



Right In: 25.610+/-0.006 χ^2/NDF: 2562104.9/20

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 26.912+/-0.006 χ^2/NDF: 2362280.4/26

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

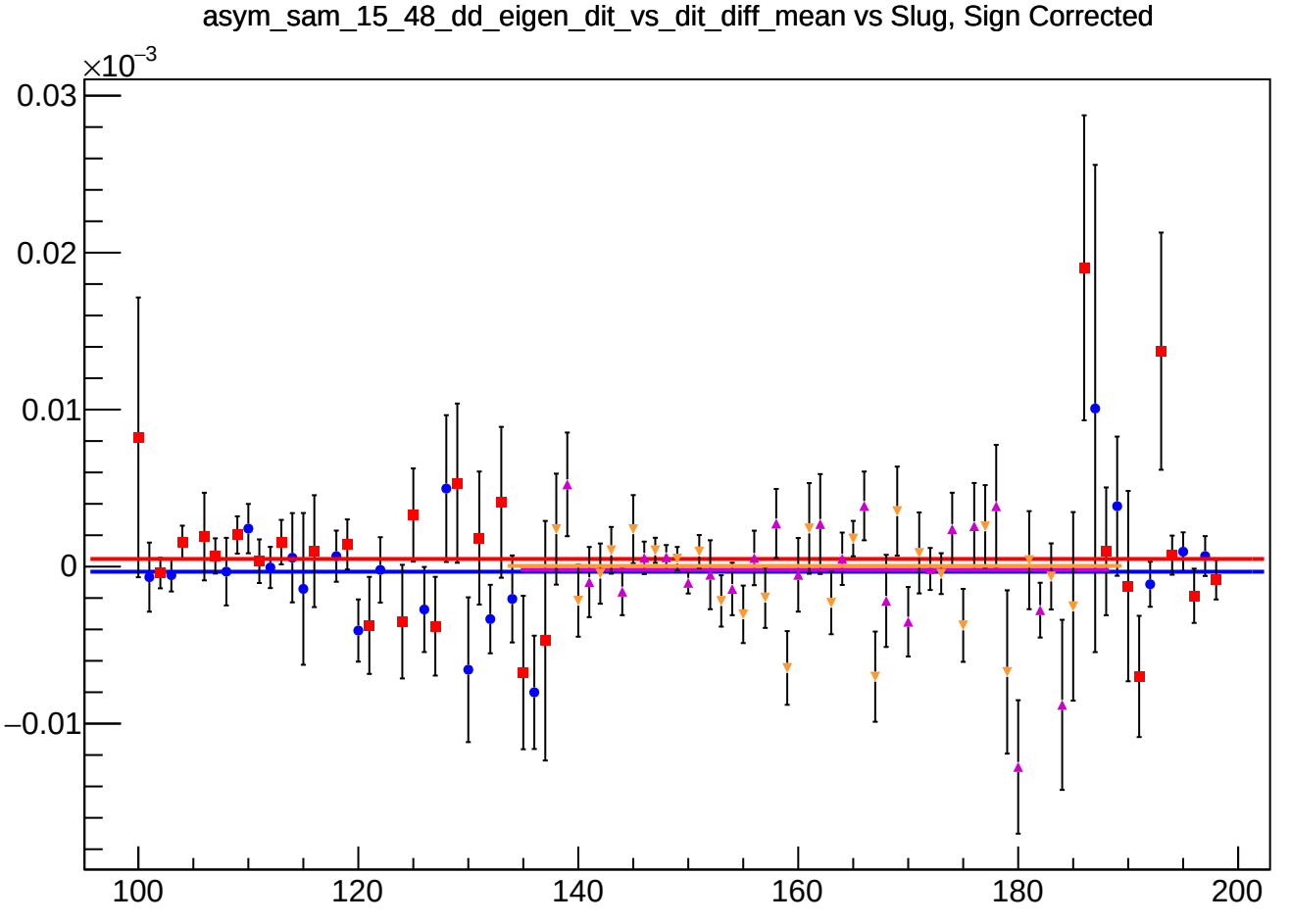
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 26.302+/-0.004 χ^2/NDF: 4948534.6/47

In: 26.768+/-0.004 χ^2/NDF:5256023.8/43

Out: 27.334+/-0.004 χ^2/NDF:6345635.3/51

All: 27.062+/-0.003 χ^2/NDF: 11612912.9/95



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.1/26

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

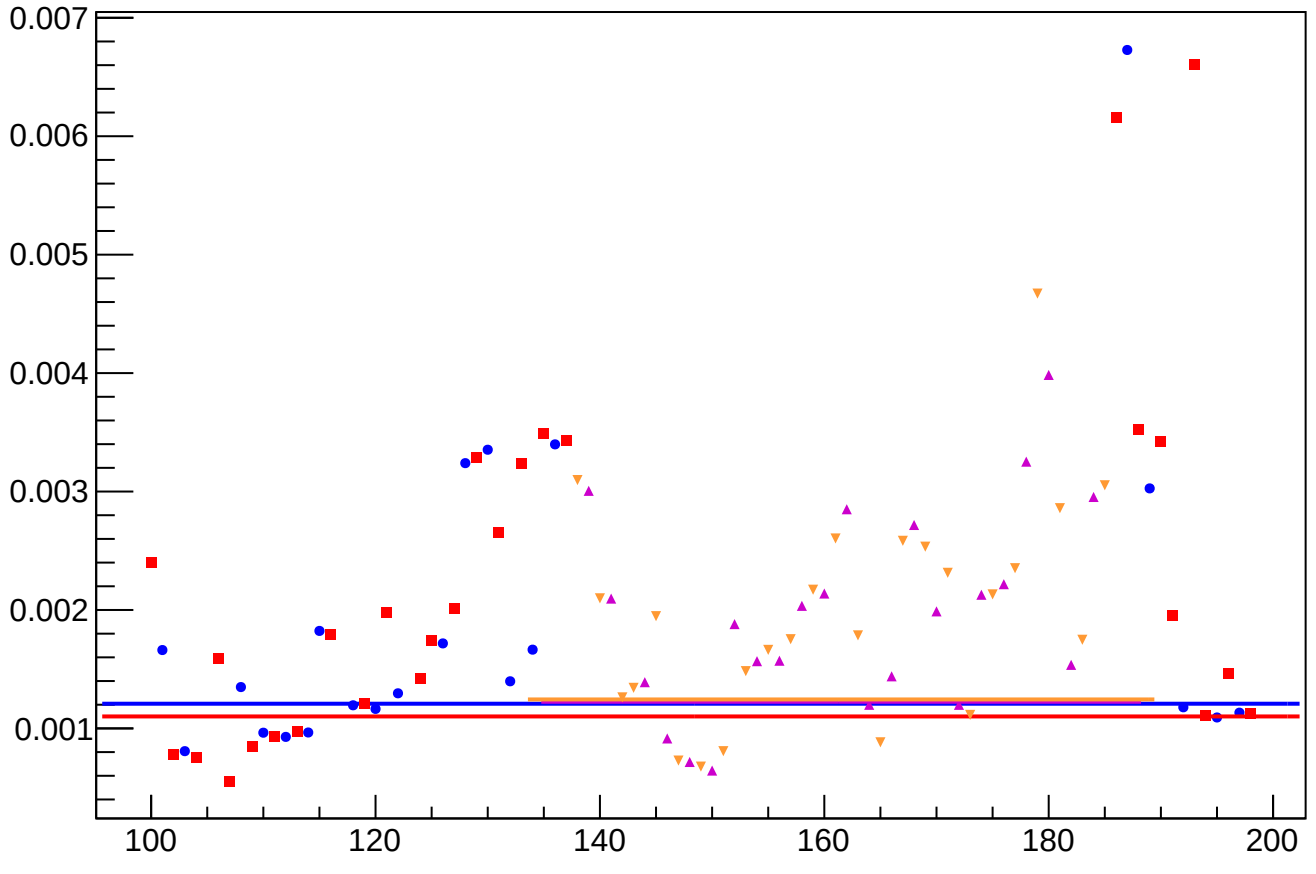
Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

Right: 0.000+/-0.000 χ^2/NDF: 52.6/47

In: -0.000+/-0.000 χ^2/NDF:54.7/43

Out: 0.000+/-0.000 χ^2/NDF:67.0/51

All: 0.000+/-0.000 χ^2/NDF: 123.5/95



Right In: 0.001+/-0.000 χ^2/NDF: 2882802.2/20

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6182407.1/26

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

Left: 0.001+/-0.000 χ^2/NDF: 16167353.6/47

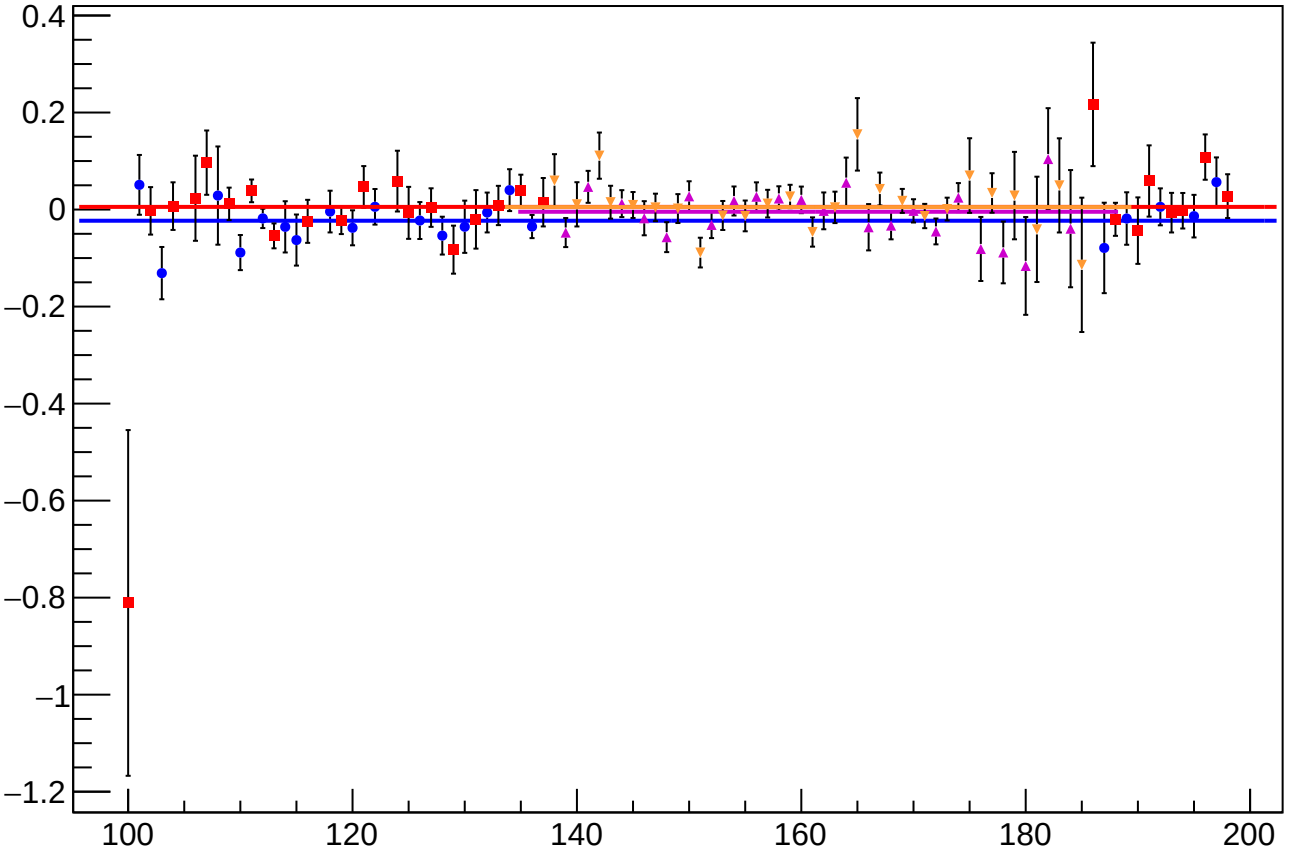
Right: 0.001+/-0.000 χ^2/NDF: 9140805.6/47

In: 0.001+/-0.000 χ^2/NDF:10707652.6/43

Out: 0.001+/-0.000 χ^2/NDF:14695576.2/51

All: 0.001+/-0.000 χ^2/NDF: 25425562.7/95

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.009 χ^2/NDF: 17.3/20

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.005+/-0.008 χ^2/NDF: 31.8/26

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

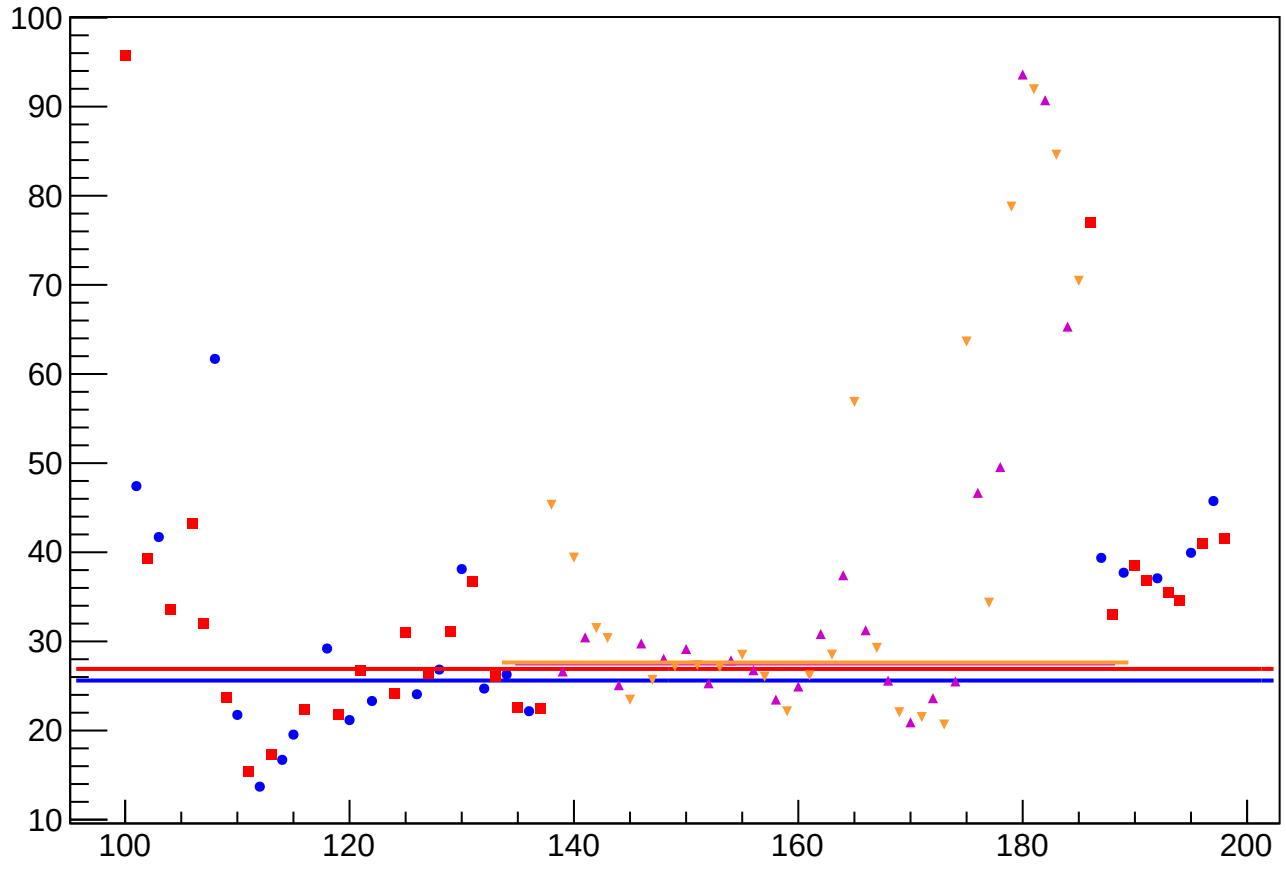
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.008+/-0.006 χ^2/NDF: 54.9/47

In: -0.012+/-0.005 χ^2/NDF:45.2/43

Out: 0.005+/-0.005 χ^2/NDF:60.2/51

All: -0.003+/-0.004 χ^2/NDF: 110.5/95



Right In: 25.609+/-0.006 χ^2/NDF: 2562127.8/20

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 26.912+/-0.006 χ^2/NDF: 2362374.5/26

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

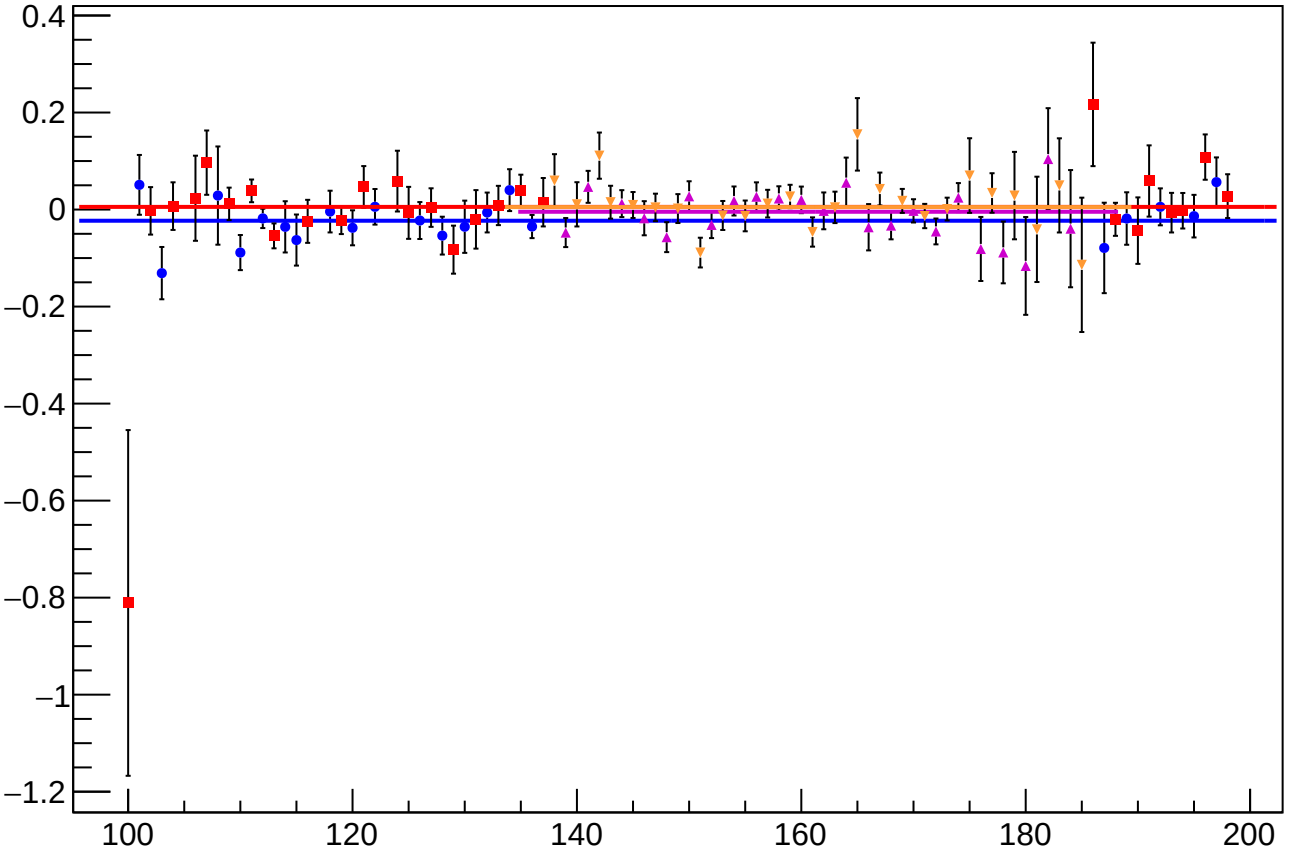
Right: 26.302+/-0.004 χ^2/NDF: 4948651.4/47

In: 26.768+/-0.004 χ^2/NDF:5256040.3/43

Out: 27.334+/-0.004 χ^2/NDF:6345684.3/51

All: 27.062+/-0.003 χ^2/NDF: 11612981.1/95

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.009 χ^2/NDF: 17.3/20

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.005+/-0.008 χ^2/NDF: 31.8/26

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

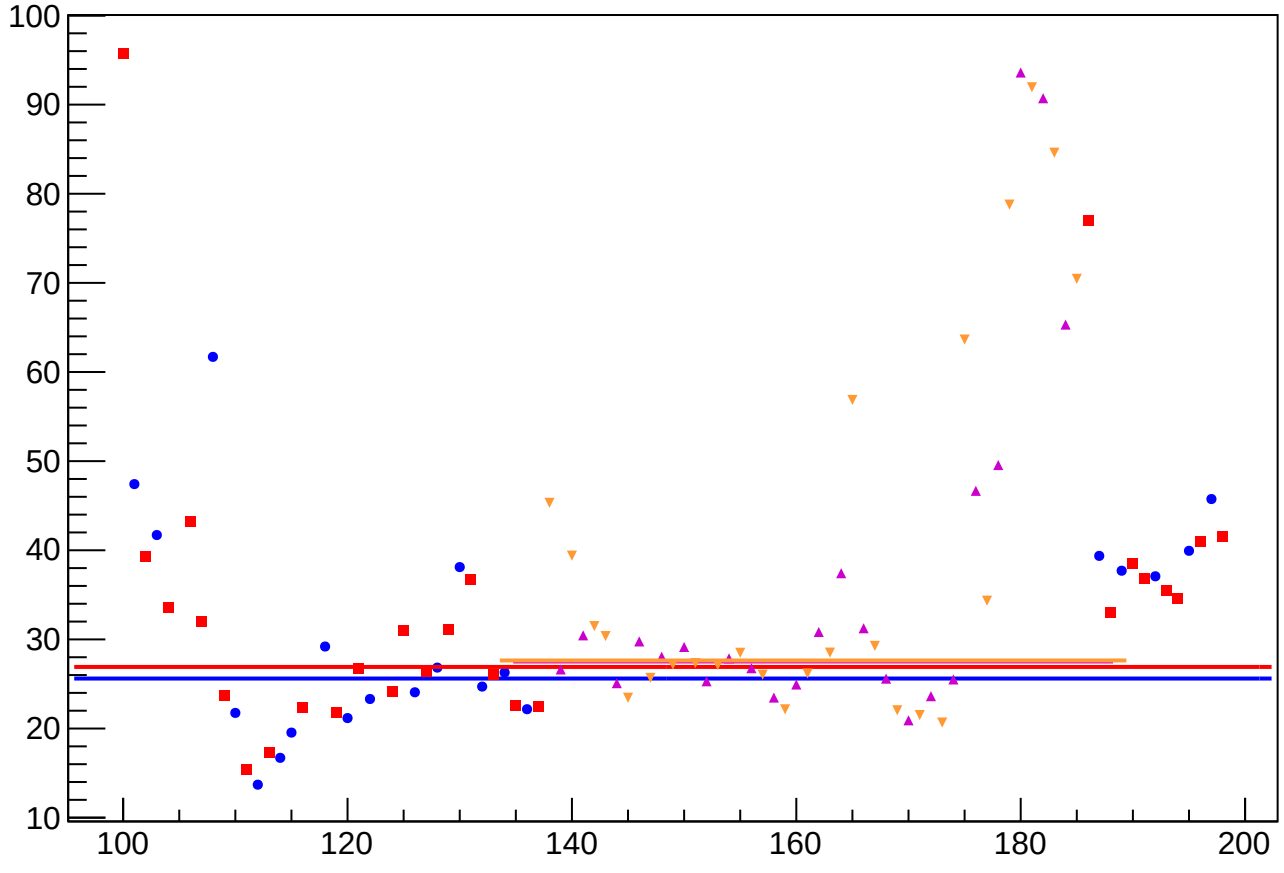
Right: -0.008+/-0.006 χ^2/NDF: 54.9/47

In: -0.012+/-0.005 χ^2/NDF:45.2/43

Out: 0.005+/-0.005 χ^2/NDF:60.2/51

All: -0.003+/-0.004 χ^2/NDF: 110.5/95

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.609+/-0.006 χ^2/NDF: 2562127.8/20

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 26.912+/-0.006 χ^2/NDF: 2362374.5/26

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

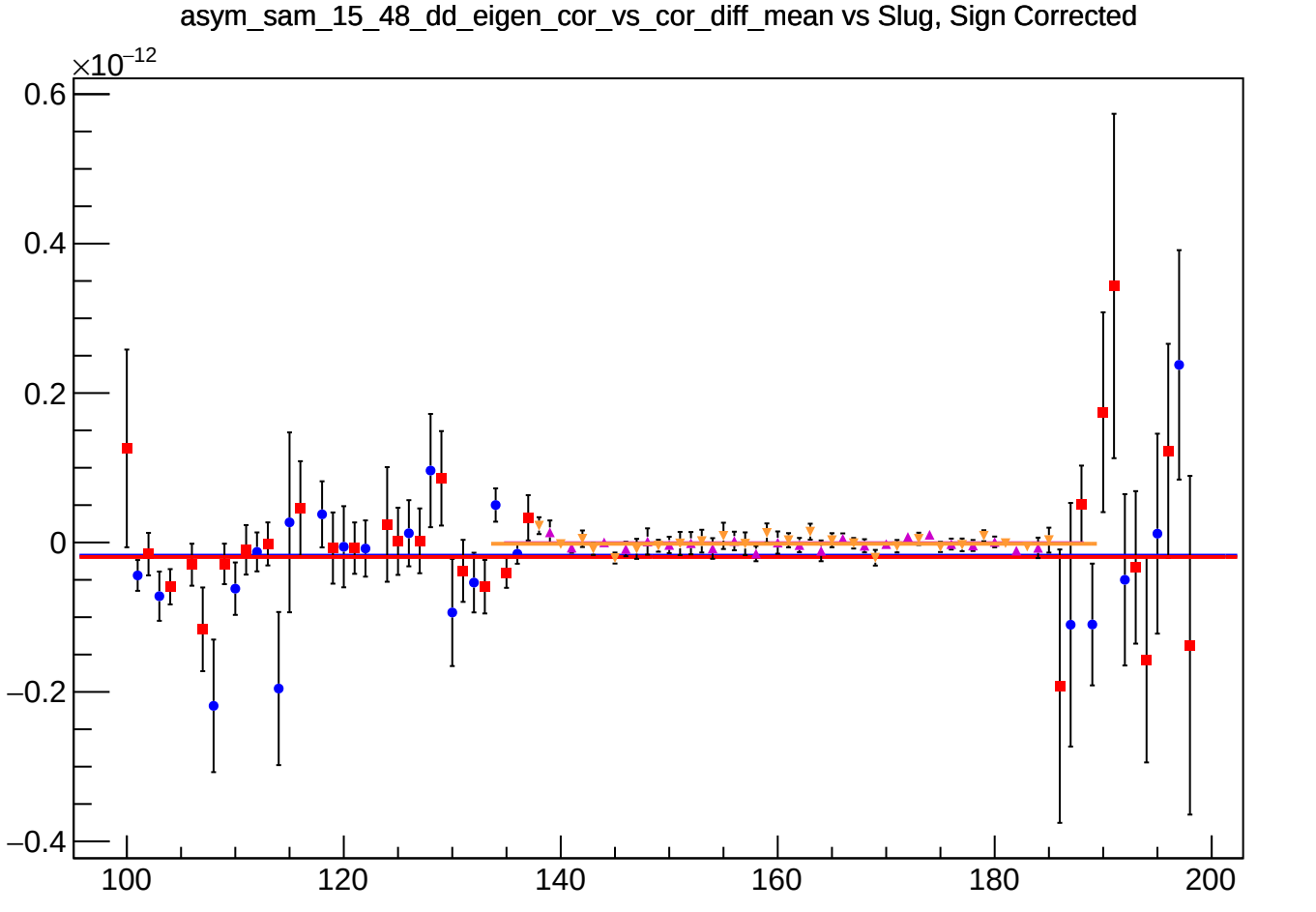
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 26.302+/-0.004 χ^2/NDF: 4948651.4/47

In: 26.768+/-0.004 χ^2/NDF:5256040.3/43

Out: 27.334+/-0.004 χ^2/NDF:6345684.3/51

All: 27.062+/-0.003 χ^2/NDF: 11612981.1/95



Right In: -0.000+/-0.000 χ^2/NDF: 34.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.7/26

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

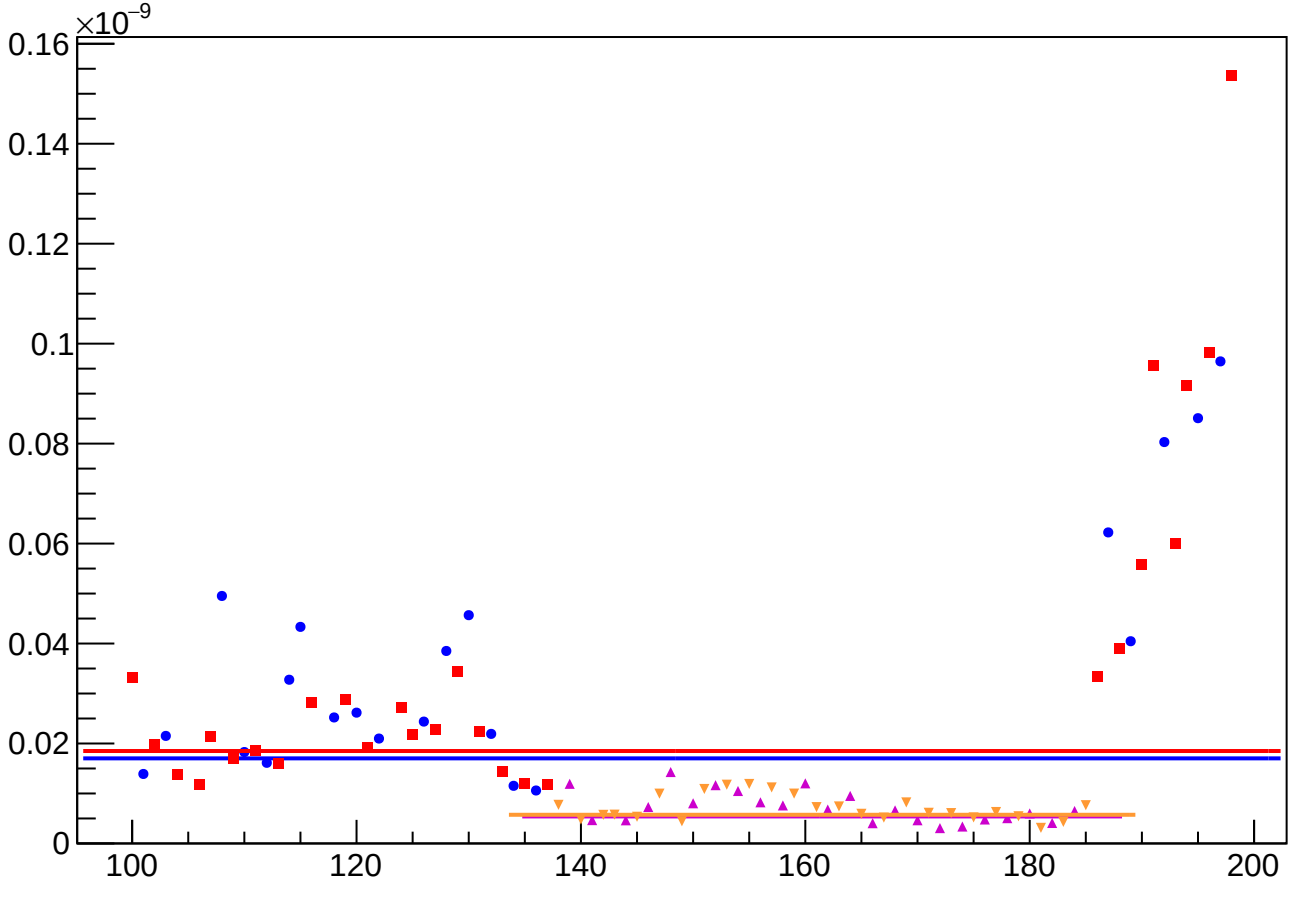
Right: -0.000+/-0.000 χ^2/NDF: 62.1/47

In: -0.000+/-0.000 χ^2/NDF:55.4/43

Out: -0.000+/-0.000 χ^2/NDF:57.1/51

All: -0.000+/-0.000 χ^2/NDF: 112.6/95

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3782217.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3856867.4/26

Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

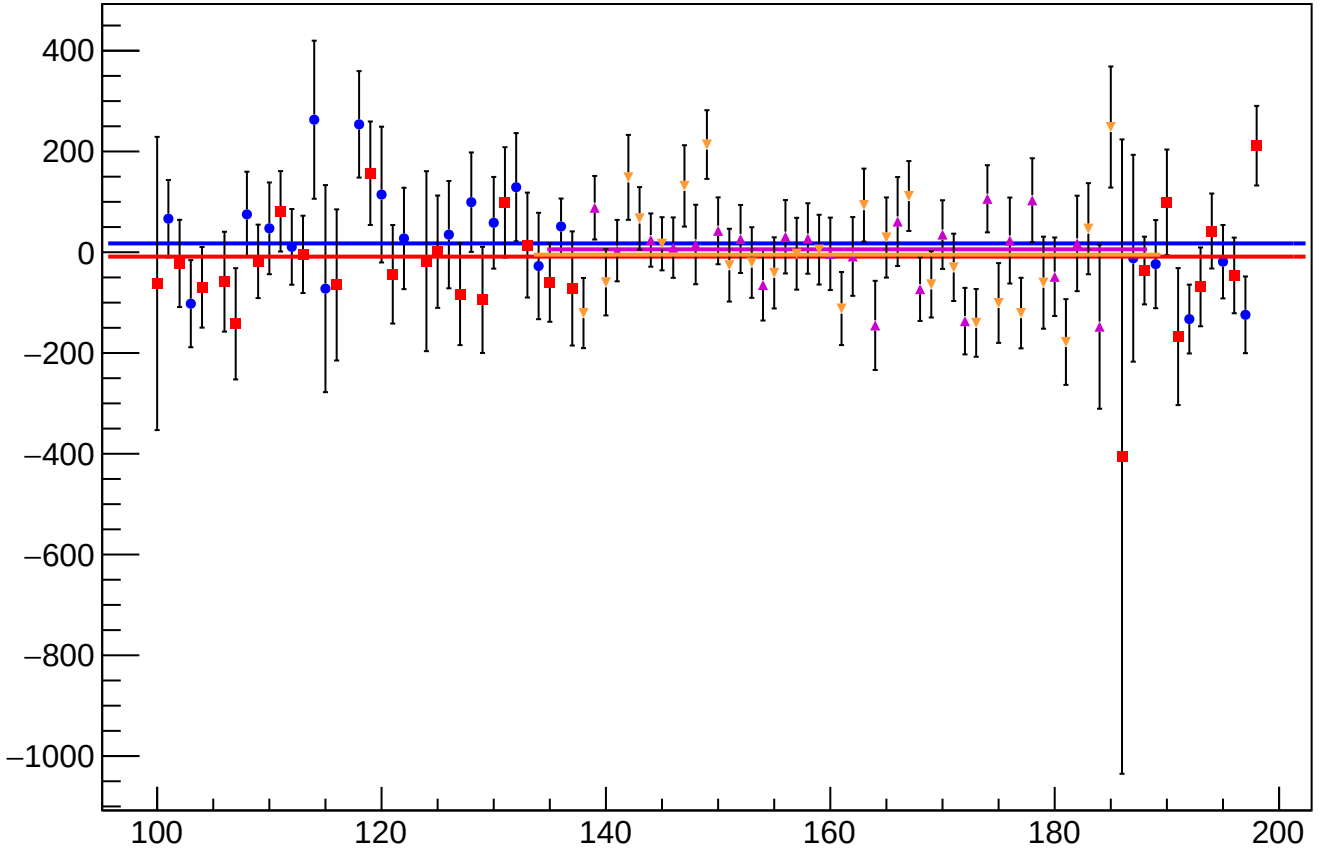
Right: 0.000+/-0.000 χ^2/NDF: 7675581.5/47

In: 0.000+/-0.000 χ^2/NDF:11617185.7/43

Out: 0.000+/-0.000 χ^2/NDF:11697159.8/51

All: 0.000+/-0.000 χ^2/NDF: 23366310.0/95

reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 17.518+/-19.645 χ^2/NDF: 22.4/20

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: -8.718+/-18.216 χ^2/NDF: 21.5/26

Left In: 5.776+/-14.931 χ^2/NDF:18.3/22

Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

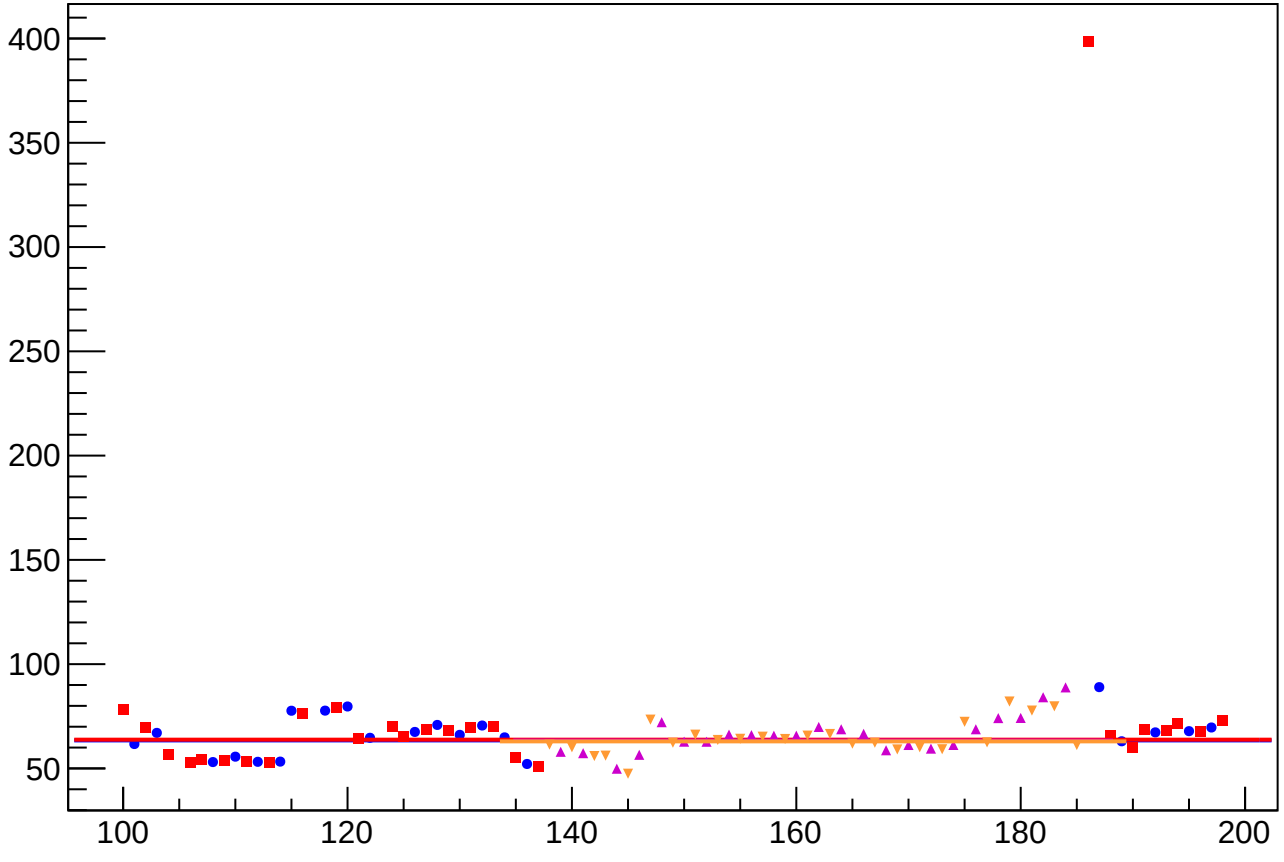
Right: 3.411+/-13.357 χ^2/NDF: 44.9/47

In: 10.075+/-11.887 χ^2/NDF:40.9/43

Out: -6.275+/-11.312 χ^2/NDF:68.9/51

All: 1.495+/-8.195 χ^2/NDF: 110.8/95

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 63.436+/-0.014 χ^2/NDF: 336691.0/20

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.786+/-0.013 χ^2/NDF: 947787.0/26

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

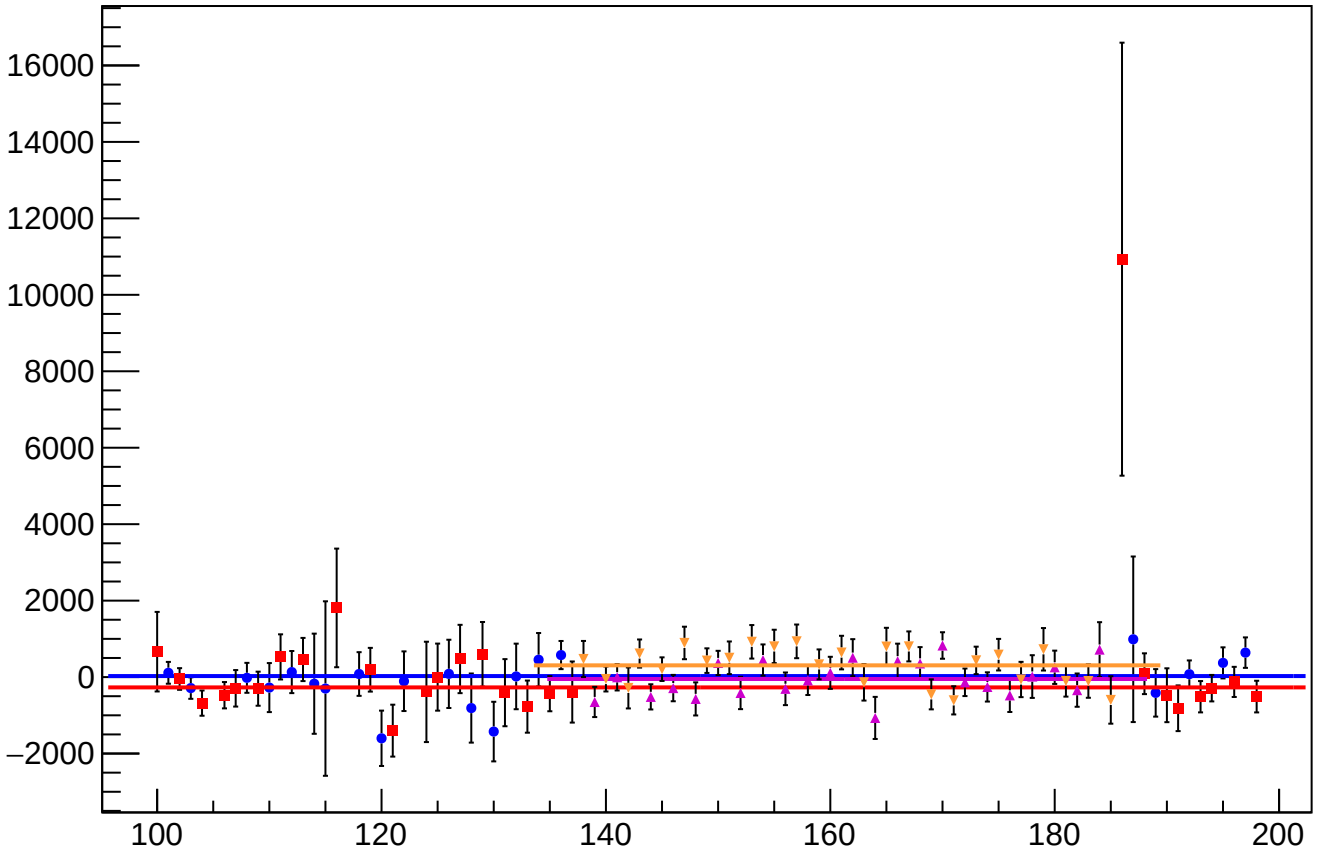
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 63.624+/-0.009 χ^2/NDF: 1284820.5/47

In: 63.391+/-0.008 χ^2/NDF:833633.4/43

Out: 63.289+/-0.008 χ^2/NDF:1477076.8/51

All: 63.337+/-0.006 χ^2/NDF: 2310788.3/95



Right In: 26.869+/-110.197 χ^2/NDF: 17.5/20

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: -269.785+/-99.382 χ^2/NDF: 20.7/26

Left In: -50.030+/-84.838 χ^2/NDF:27.3/22

Left: 133.867+/-59.094 χ^2/NDF: 67.0/47

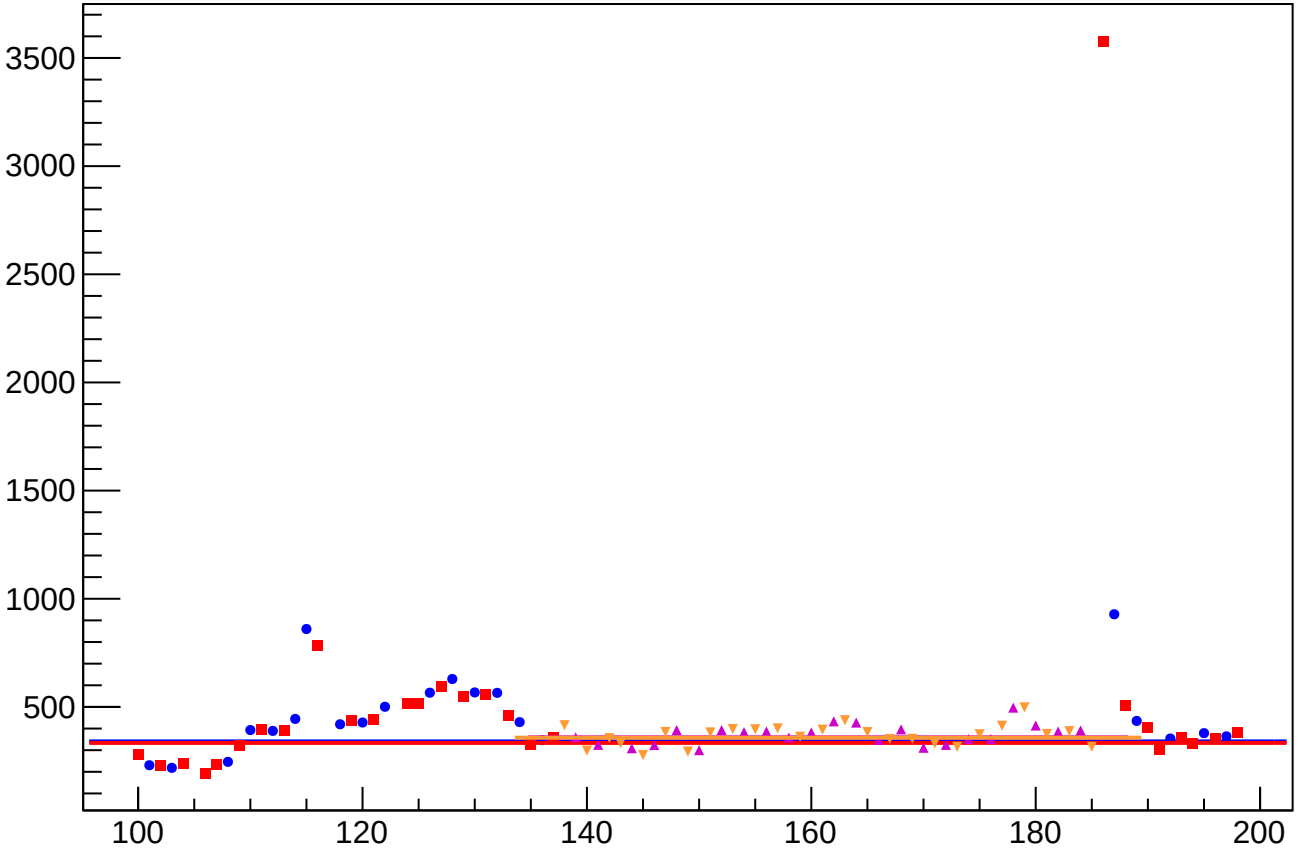
Right: -136.726+/-73.802 χ^2/NDF: 42.2/47

In: -21.413+/-67.224 χ^2/NDF:45.1/43

Out: 72.264+/-63.415 χ^2/NDF:71.3/51

All: 28.154+/-46.129 χ^2/NDF: 117.4/95

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 340.499+/-0.078 χ^2/NDF: 1979858.6/20

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 333.728+/-0.070 χ^2/NDF: 2778348.4/26

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

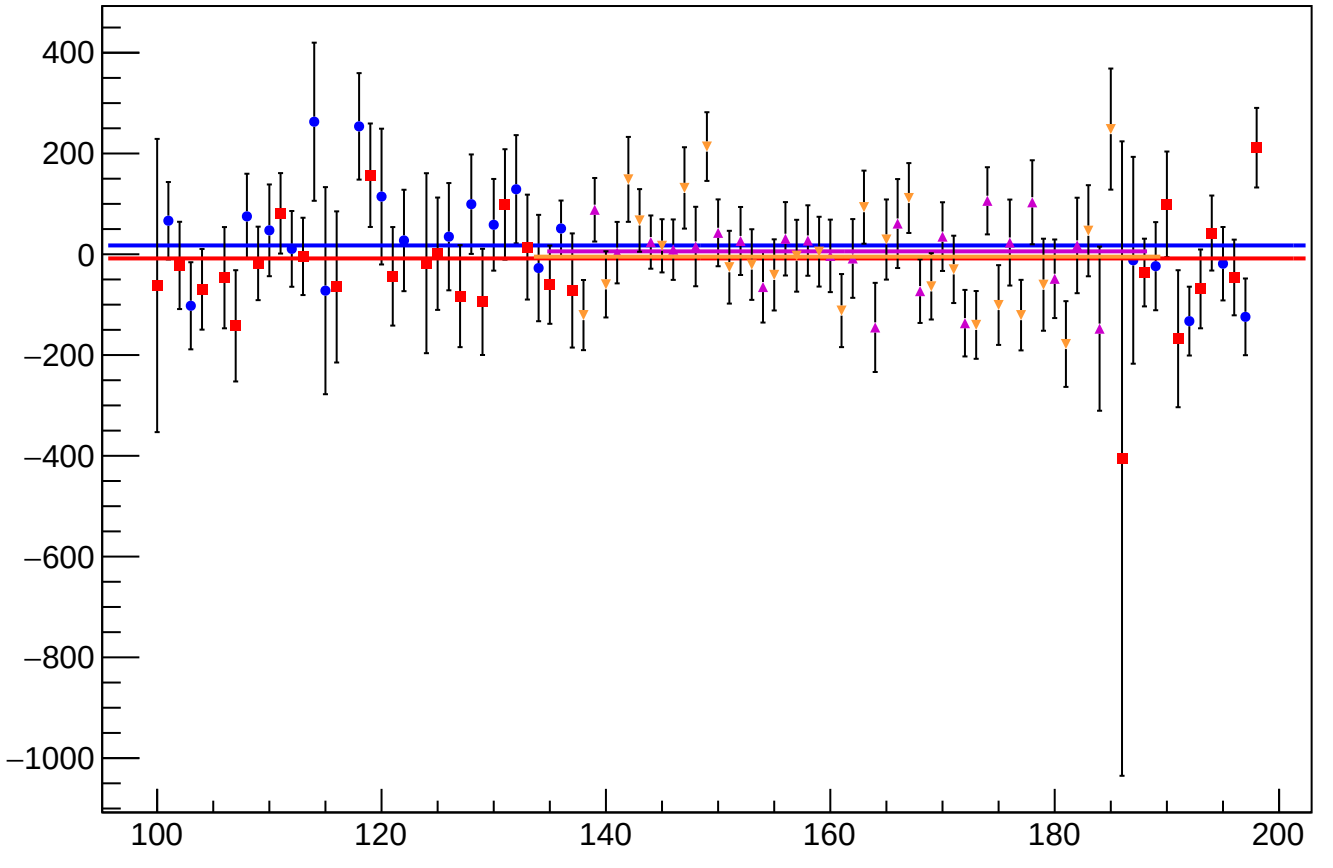
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 336.765+/-0.052 χ^2/NDF: 4762370.8/47

In: 352.335+/-0.048 χ^2/NDF:2536366.2/43

Out: 347.958+/-0.045 χ^2/NDF:3531245.5/51

All: 350.019+/-0.033 χ^2/NDF: 6072097.2/95



Right In: 17.511+/-19.645 χ^2/NDF: 22.4/20

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -8.277+/-18.225 χ^2/NDF: 21.4/26

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

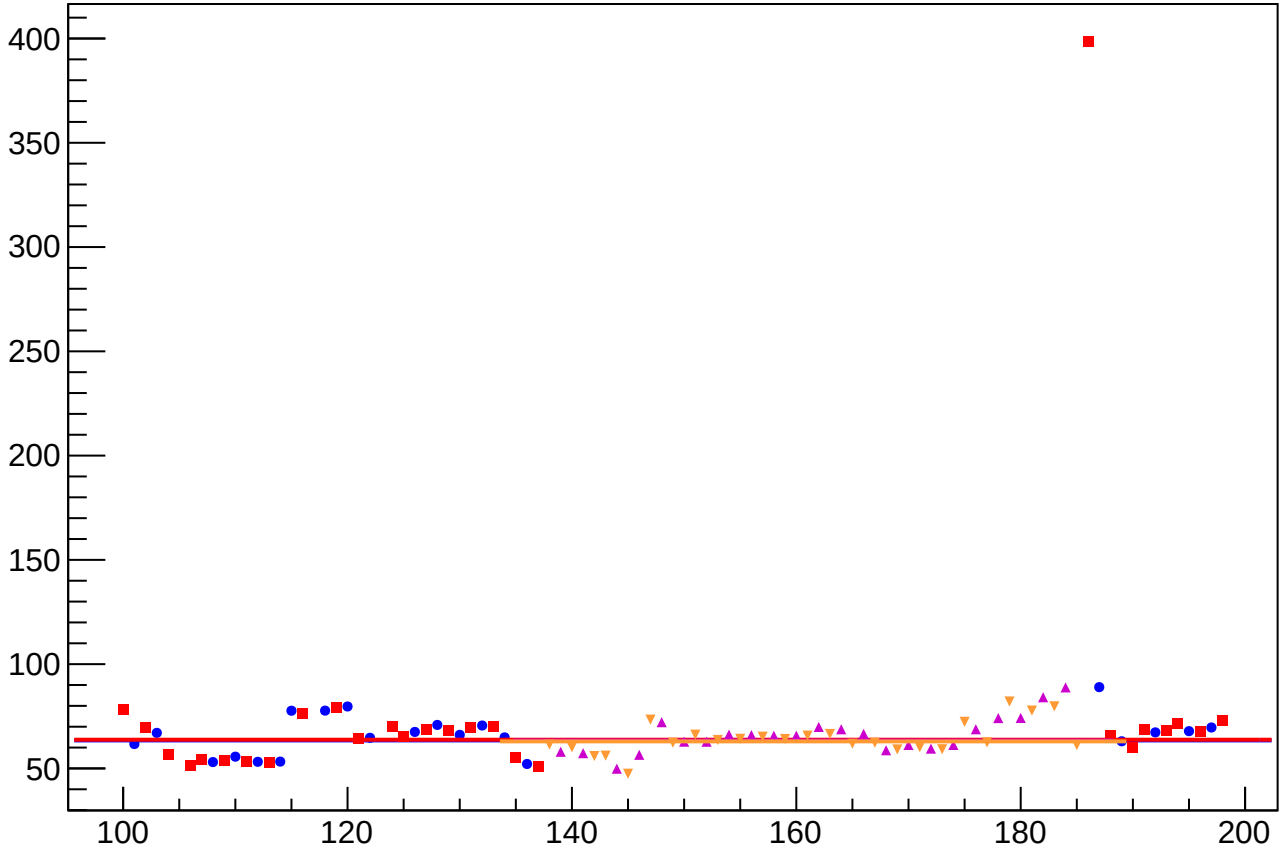
Right: 3.651+/-13.361 χ^2/NDF: 44.8/47

In: 10.072+/-11.887 χ^2/NDF:40.9/43

Out: -6.108+/-11.314 χ^2/NDF:68.8/51

All: 1.583+/-8.195 χ^2/NDF: 110.7/95

cor_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 63.436+/-0.014 χ^2/NDF: 336691.1/20

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.762+/-0.013 χ^2/NDF: 952043.4/26

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

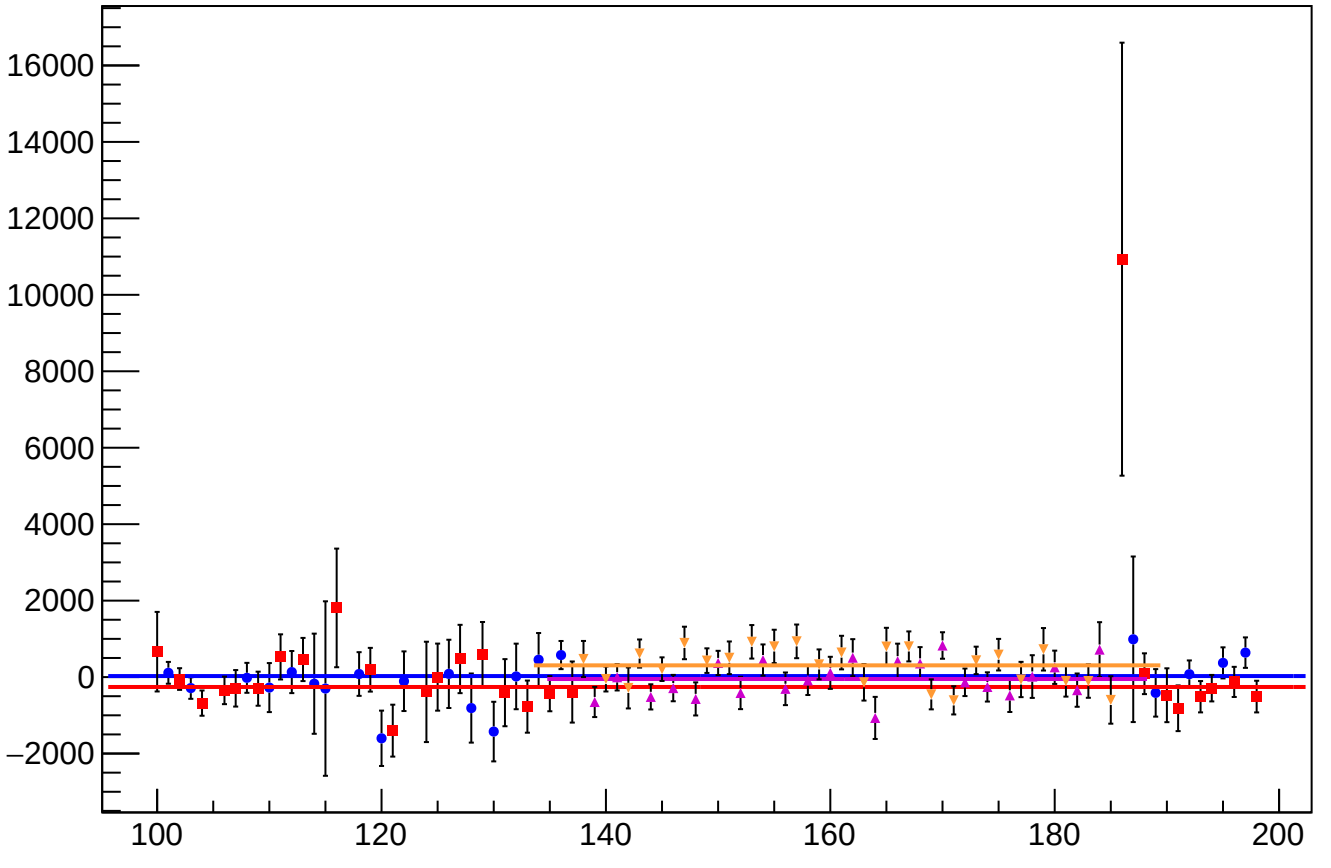
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 63.611+/-0.009 χ^2/NDF: 1289031.8/47

In: 63.391+/-0.008 χ^2/NDF:833633.5/43

Out: 63.279+/-0.008 χ^2/NDF:1481190.7/51

All: 63.332+/-0.006 χ^2/NDF: 2314917.3/95



Right In: 26.879+/-110.197 χ^2/NDF: 17.5/20

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -258.779+/-99.752 χ^2/NDF: 20.4/26

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

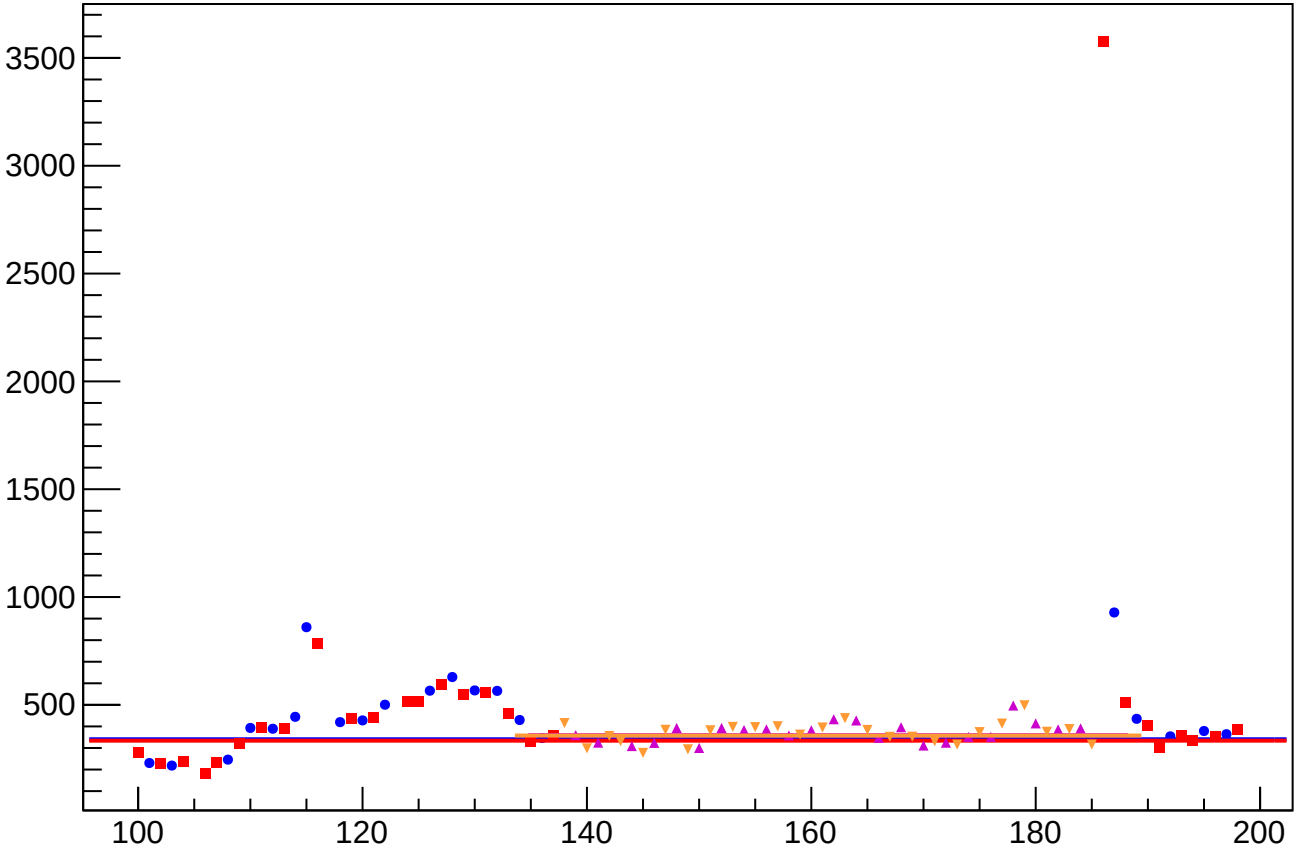
Right: -130.127+/-73.953 χ^2/NDF: 41.6/47

In: -21.408+/-67.224 χ^2/NDF:45.1/43

Out: 77.756+/-63.511 χ^2/NDF:70.2/51

All: 30.988+/-46.166 χ^2/NDF: 116.4/95

asym_sam_37_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 340.501+/-0.078 χ^2/NDF: 1979786.6/20

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 334.001+/-0.071 χ^2/NDF: 2795171.7/26

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

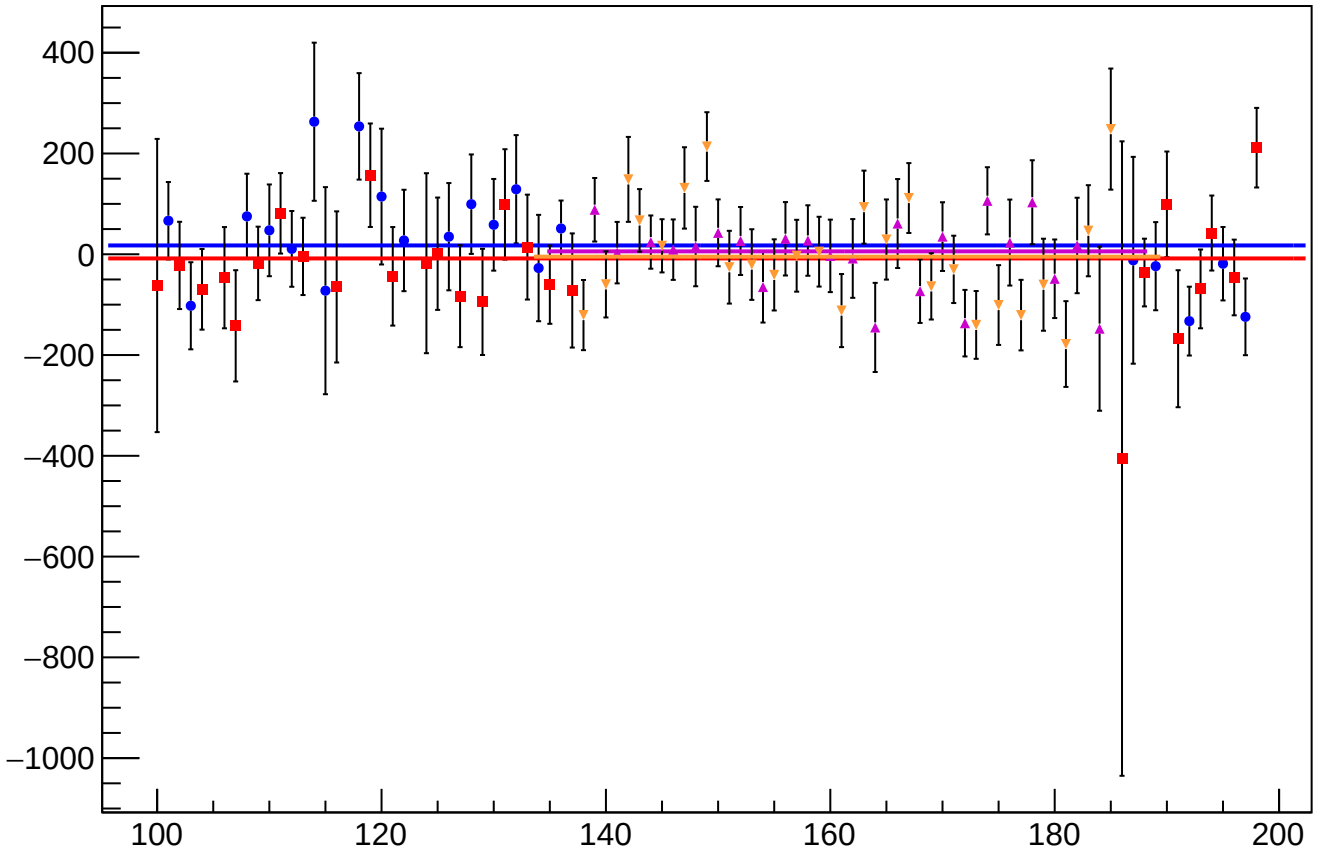
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 336.928+/-0.052 χ^2/NDF: 4778782.8/47

In: 352.336+/-0.048 χ^2/NDF:2536288.5/43

Out: 348.112+/-0.045 χ^2/NDF:3546203.0/51

All: 350.104+/-0.033 χ^2/NDF: 6086663.1/95



Right In: 17.511+/-19.645 χ^2/NDF: 22.4/20

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -8.277+/-18.225 χ^2/NDF: 21.4/26

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

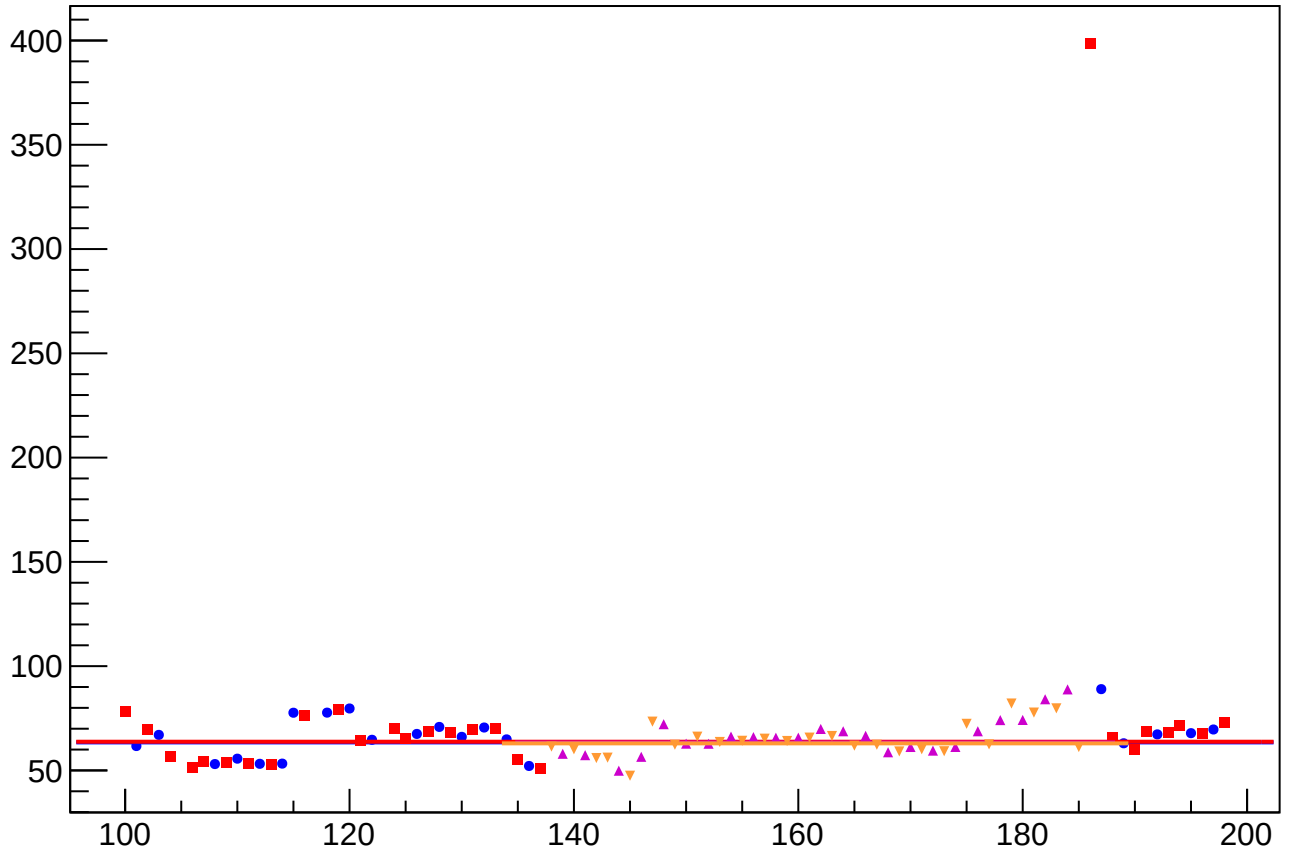
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 3.651+/-13.361 χ^2/NDF: 44.8/47

In: 10.072+/-11.887 χ^2/NDF:40.9/43

Out: -6.108+/-11.314 χ^2/NDF:68.8/51

All: 1.583+/-8.195 χ^2/NDF: 110.7/95



Right In: 63.436+/-0.014 χ^2/NDF: 336691.1/20

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.762+/-0.013 χ^2/NDF: 952043.4/26

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

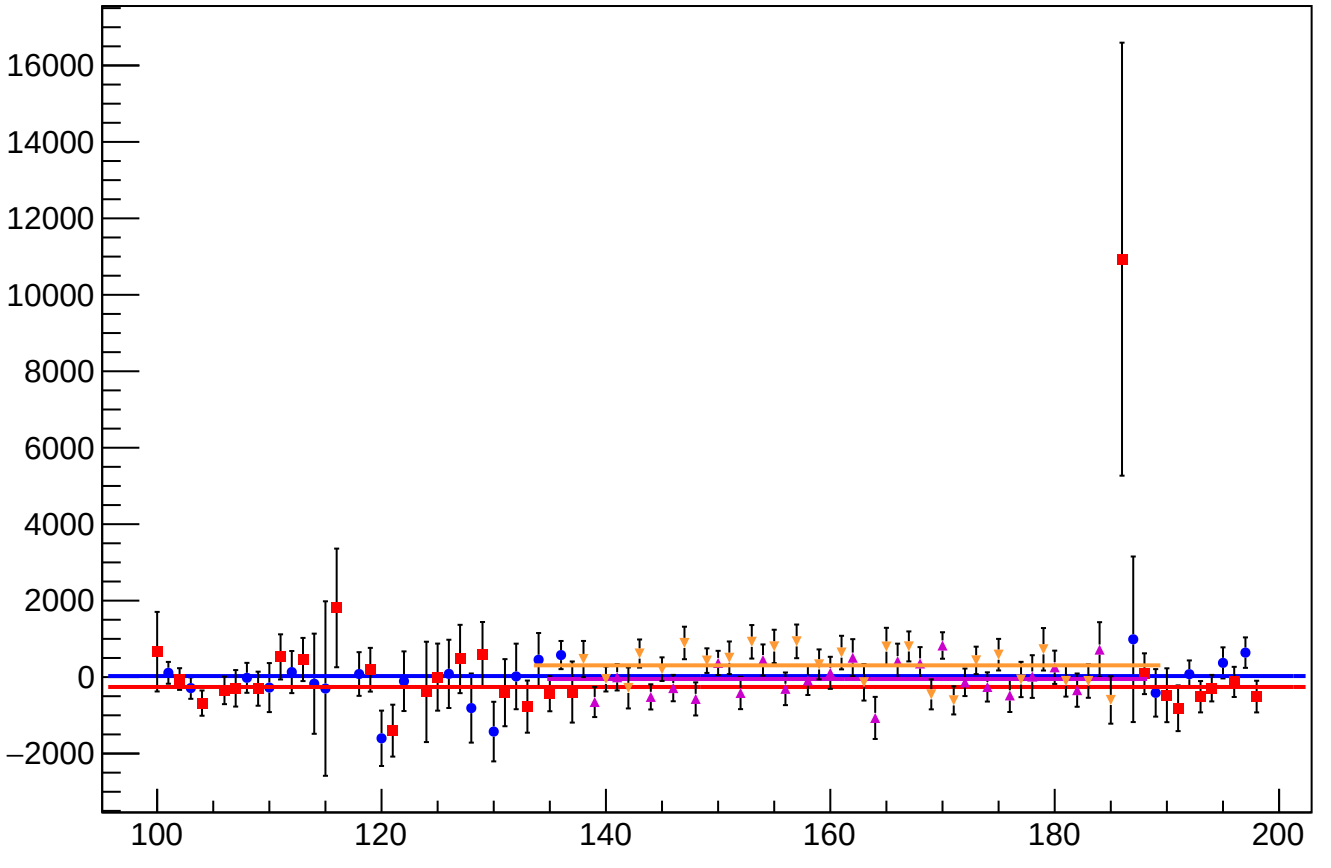
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 63.611+/-0.009 χ^2/NDF: 1289031.8/47

In: 63.391+/-0.008 χ^2/NDF:833633.5/43

Out: 63.279+/-0.008 χ^2/NDF:1481190.7/51

All: 63.332+/-0.006 χ^2/NDF: 2314917.3/95



Right In: 26.879+/-110.197 χ^2/NDF: 17.5/20

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -258.779+/-99.752 χ^2/NDF: 20.4/26

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

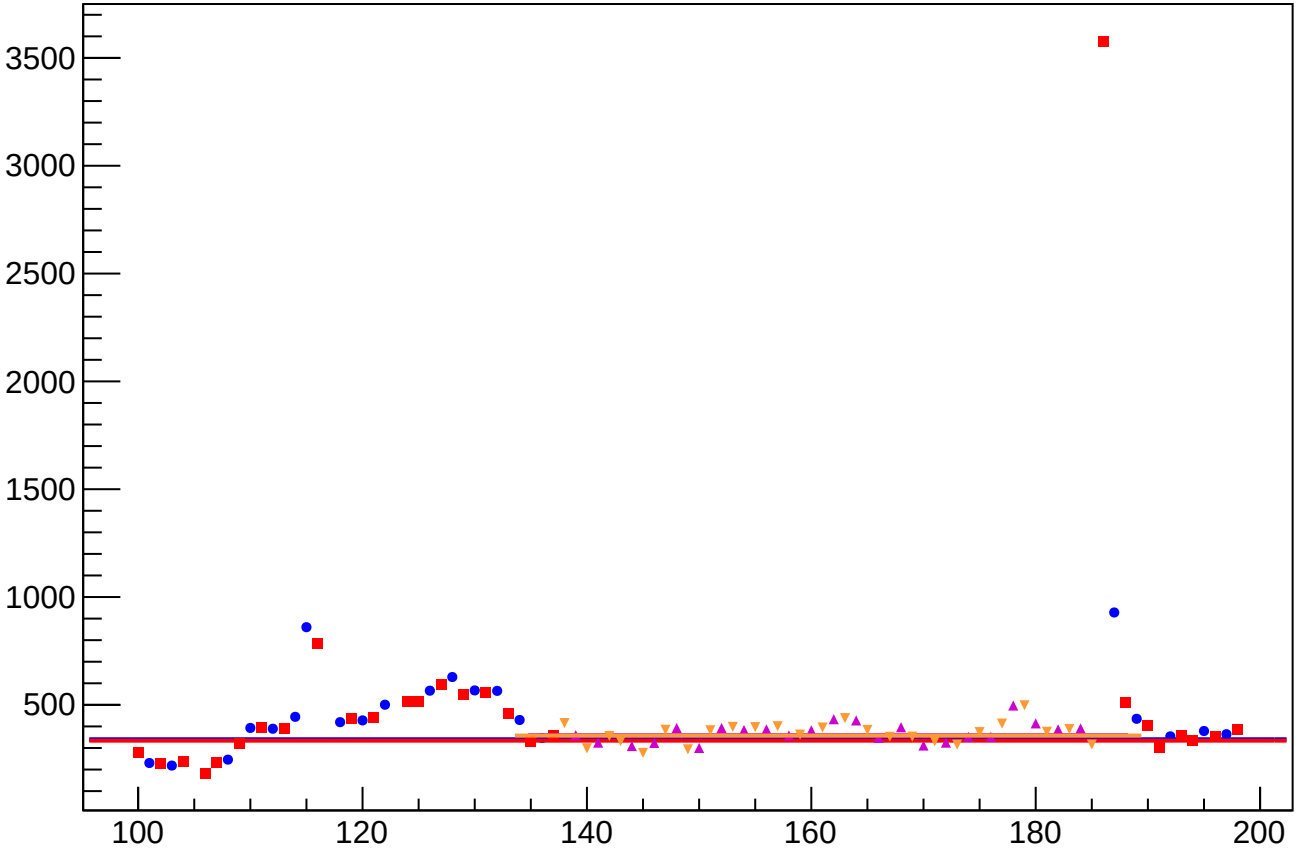
Right: -130.127+/-73.953 χ^2/NDF: 41.6/47

In: -21.408+/-67.224 χ^2/NDF:45.1/43

Out: 77.756+/-63.511 χ^2/NDF:70.2/51

All: 30.988+/-46.166 χ^2/NDF: 116.4/95

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 340.501+/-0.078 χ^2/NDF: 1979786.6/20

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 334.001+/-0.071 χ^2/NDF: 2795171.7/26

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

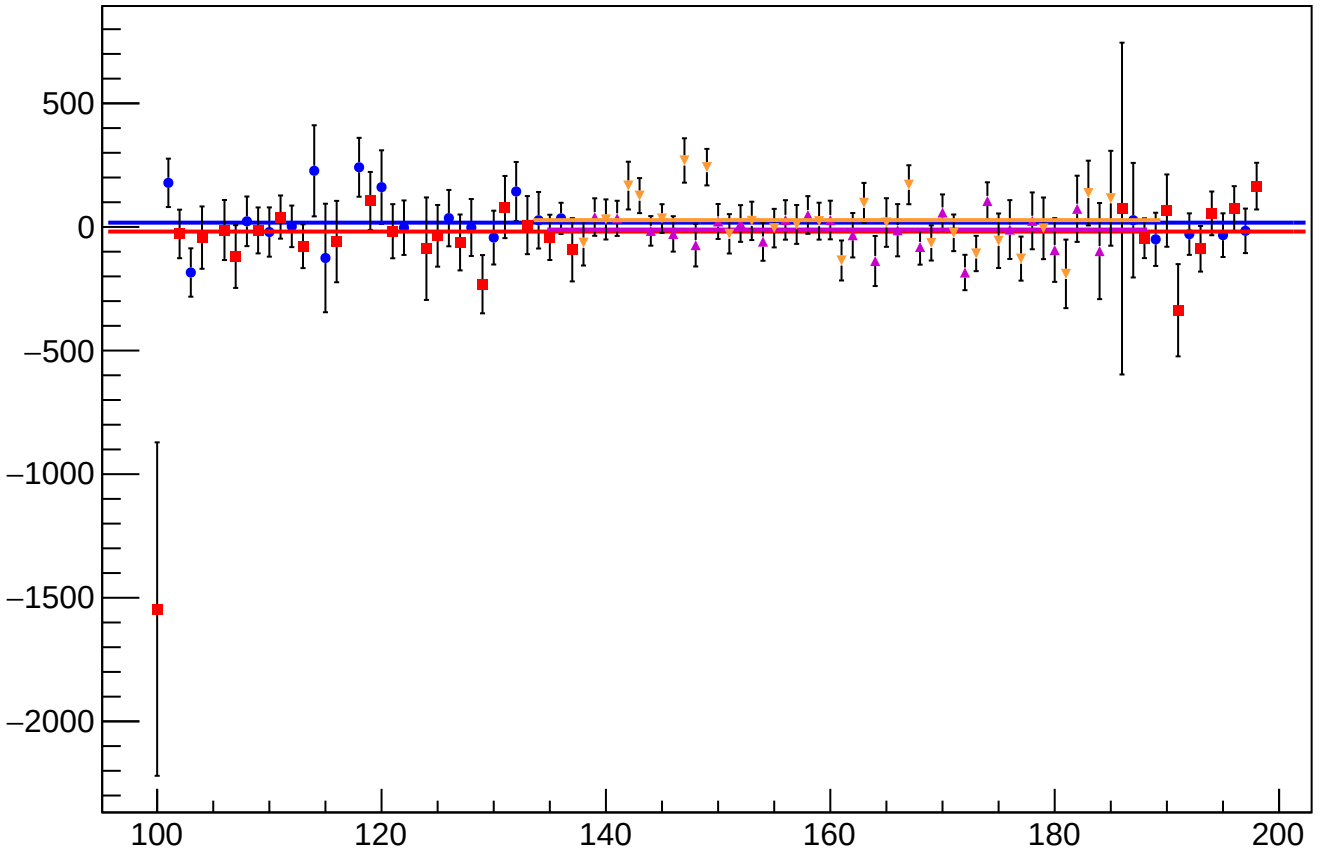
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 336.928+/-0.052 χ^2/NDF: 4778782.8/47

In: 352.336+/-0.048 χ^2/NDF:2536288.5/43

Out: 348.112+/-0.045 χ^2/NDF:3546203.0/51

All: 350.104+/-0.033 χ^2/NDF: 6086663.1/95



Right In: 17.479+/-22.752 χ^2/NDF: 16.1/20

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: -18.623+/-21.658 χ^2/NDF: 22.0/26

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

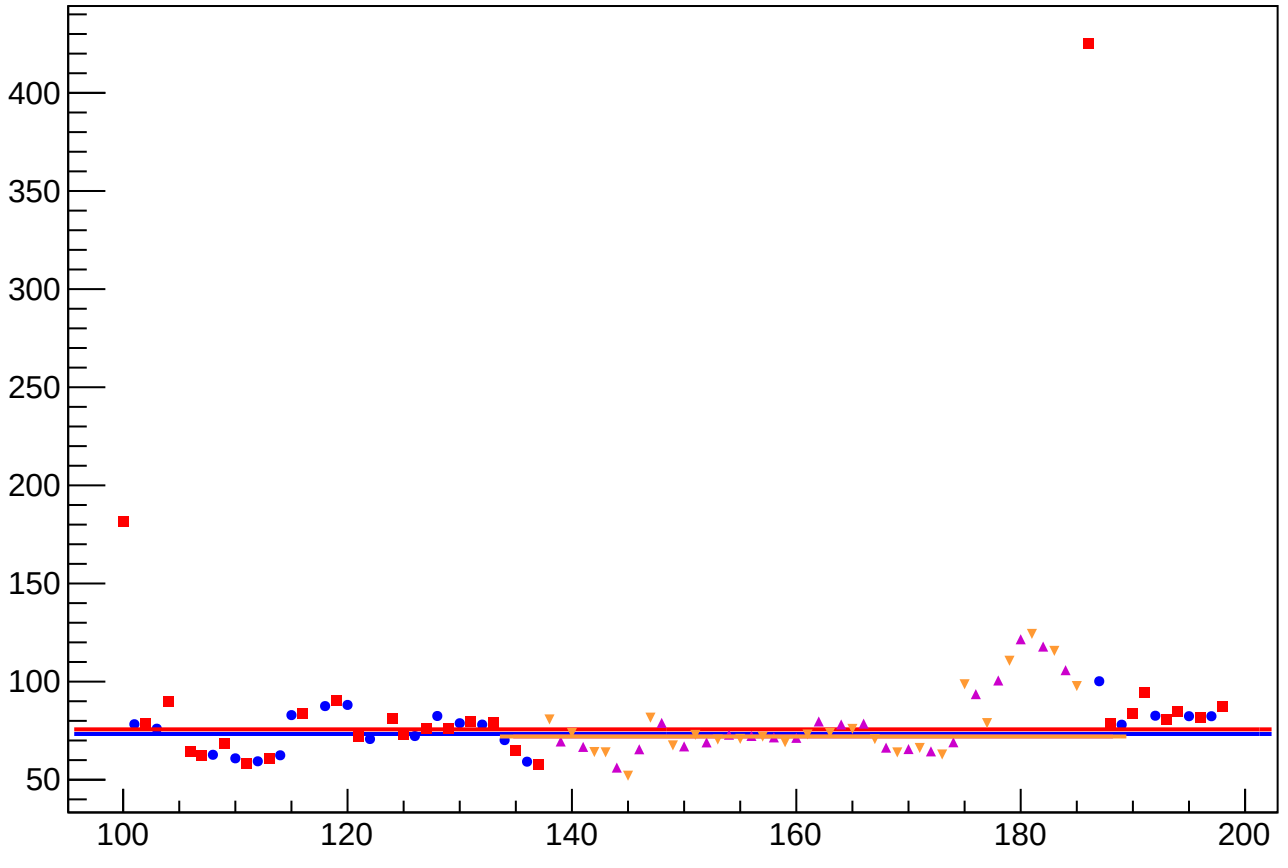
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: -1.462+/-15.687 χ^2/NDF: 39.4/47

In: -0.320+/-13.733 χ^2/NDF:33.1/43

Out: 10.327+/-13.246 χ^2/NDF:67.2/51

All: 5.196+/-9.534 χ^2/NDF: 100.6/95



Right In: 73.315+/-0.016 χ^2/NDF: 394374.1/20

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 75.677+/-0.015 χ^2/NDF: 1013280.0/26

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

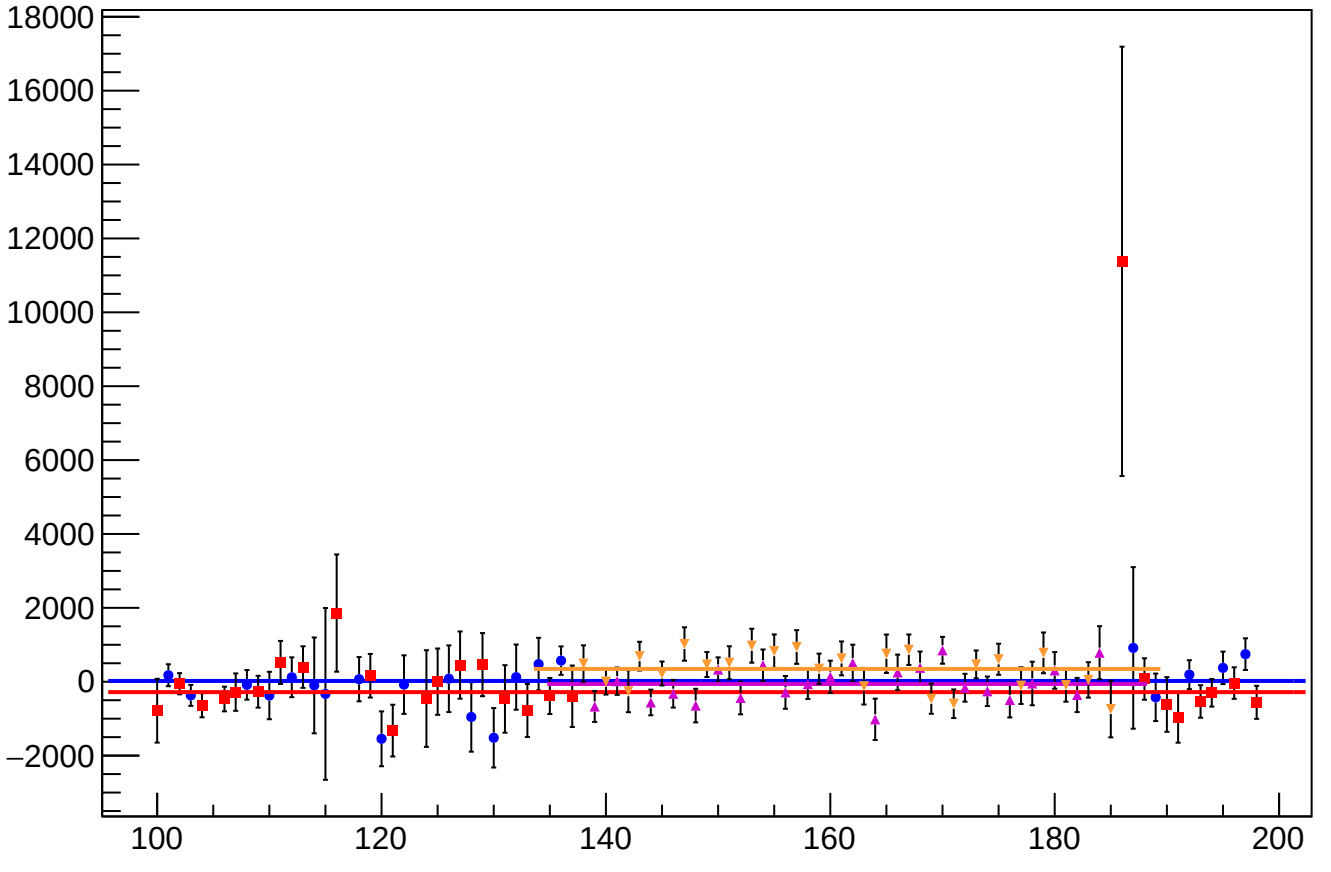
Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

Right: 74.554+/-0.011 χ^2/NDF: 1418959.1/47

In: 72.538+/-0.010 χ^2/NDF:1456904.2/43

Out: 73.401+/-0.009 χ^2/NDF:2318037.6/51

All: 72.985+/-0.007 χ^2/NDF: 3779034.1/95



Right In: 20.906+/-114.402 χ^2/NDF: 18.7/20

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: -281.607+/-102.218 χ^2/NDF: 19.2/26

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

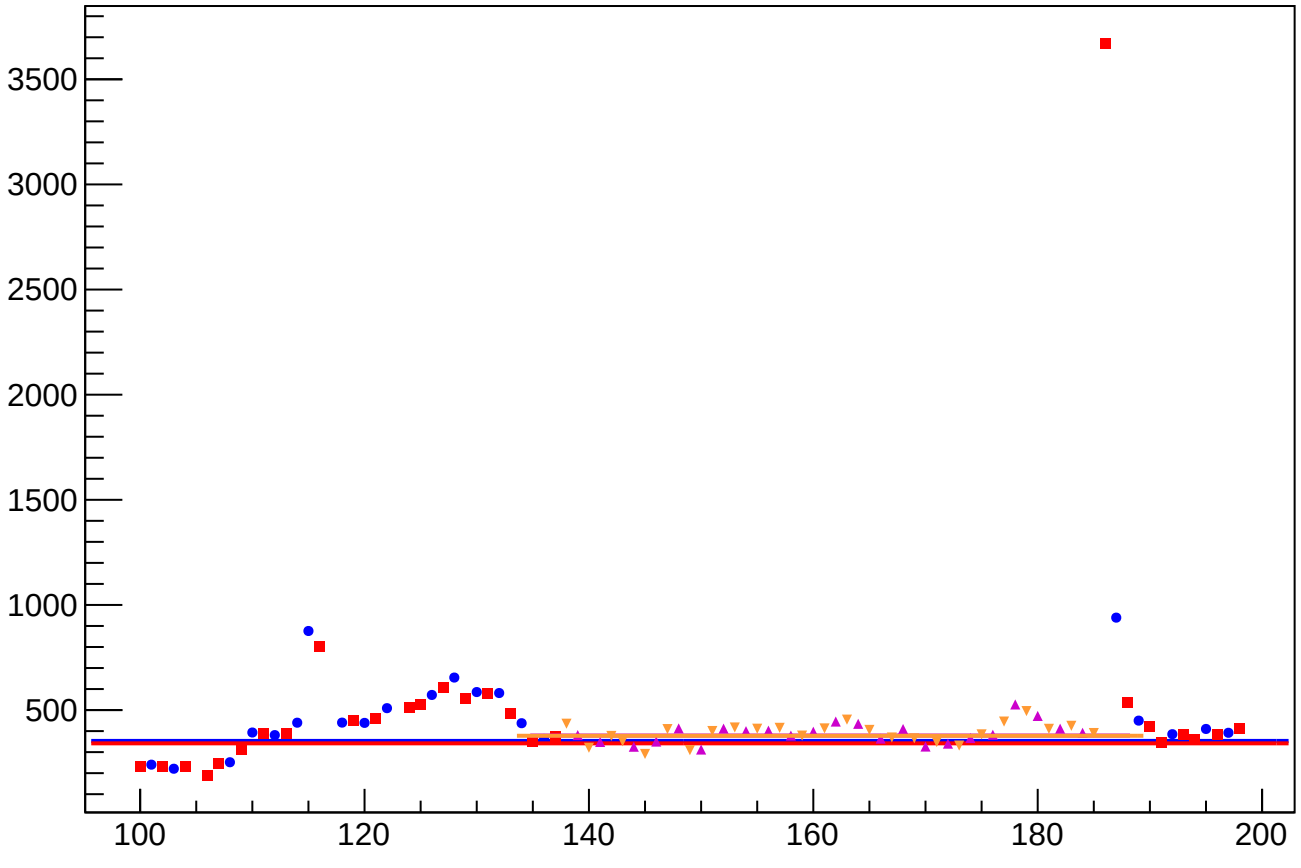
Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

Right: -147.312+/-76.224 χ^2/NDF: 41.8/47

In: -29.263+/-70.448 χ^2/NDF:44.8/43

Out: 82.957+/-66.173 χ^2/NDF:70.1/51

All: 30.354+/-48.232 χ^2/NDF: 116.2/95



Right In: 353.317+/-0.081 χ^2/NDF: 2022968.7/20

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 341.760+/-0.072 χ^2/NDF: 3026863.6/26

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

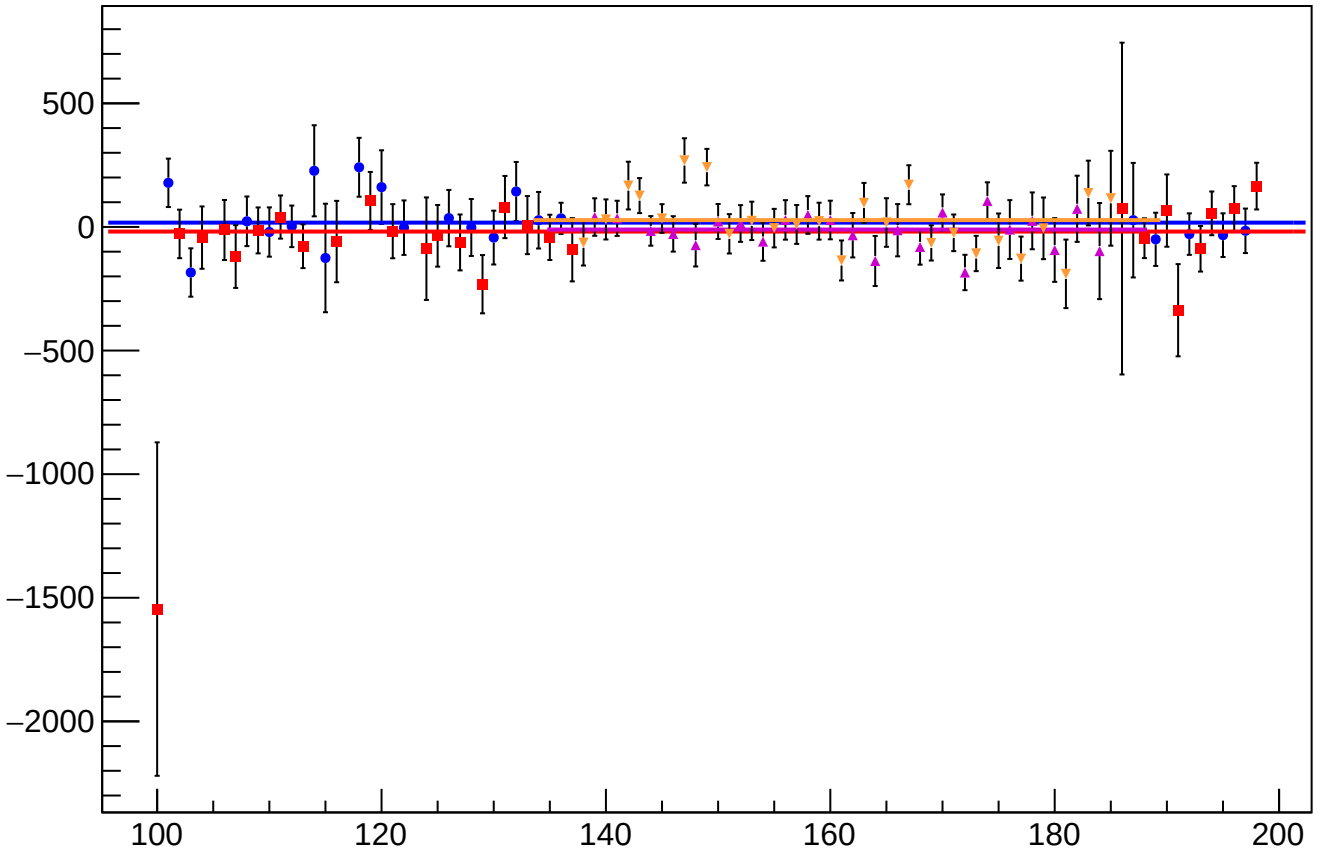
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 346.890+/-0.054 χ^2/NDF: 5061180.8/47

In: 369.180+/-0.050 χ^2/NDF:2612596.1/43

Out: 362.694+/-0.047 χ^2/NDF:3807978.7/51

All: 365.734+/-0.034 χ^2/NDF: 6429580.5/95



Right In: 17.479+/-22.752 χ^2/NDF: 16.1/20

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: -18.623+/-21.658 χ^2/NDF: 22.0/26

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

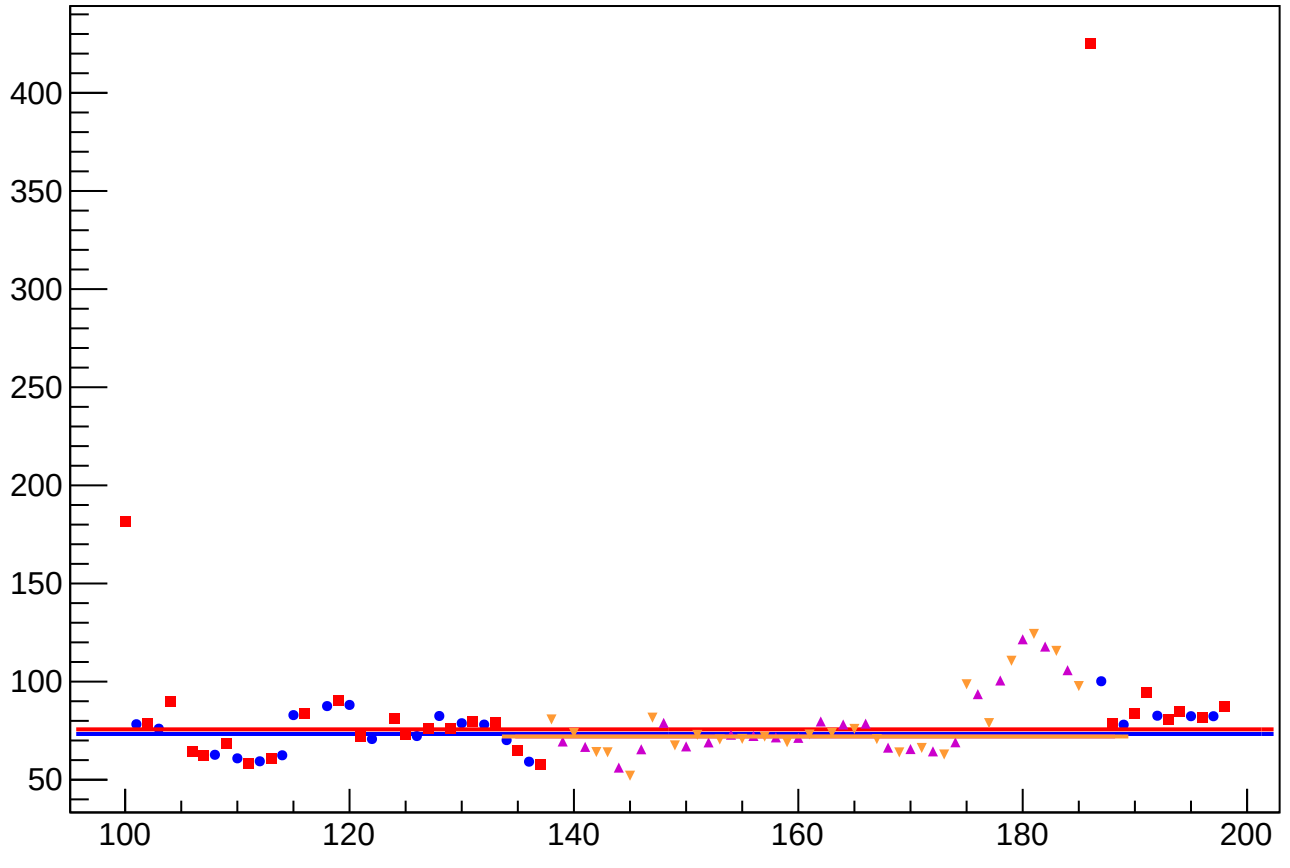
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: -1.462+/-15.687 χ^2/NDF: 39.4/47

In: -0.320+/-13.733 χ^2/NDF:33.1/43

Out: 10.326+/-13.246 χ^2/NDF:67.2/51

All: 5.195+/-9.534 χ^2/NDF: 100.6/95



Right In: 73.315+/-0.016 χ^2/NDF: 394373.0/20

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

Right Out: 75.677+/-0.015 χ^2/NDF: 1013277.8/26

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

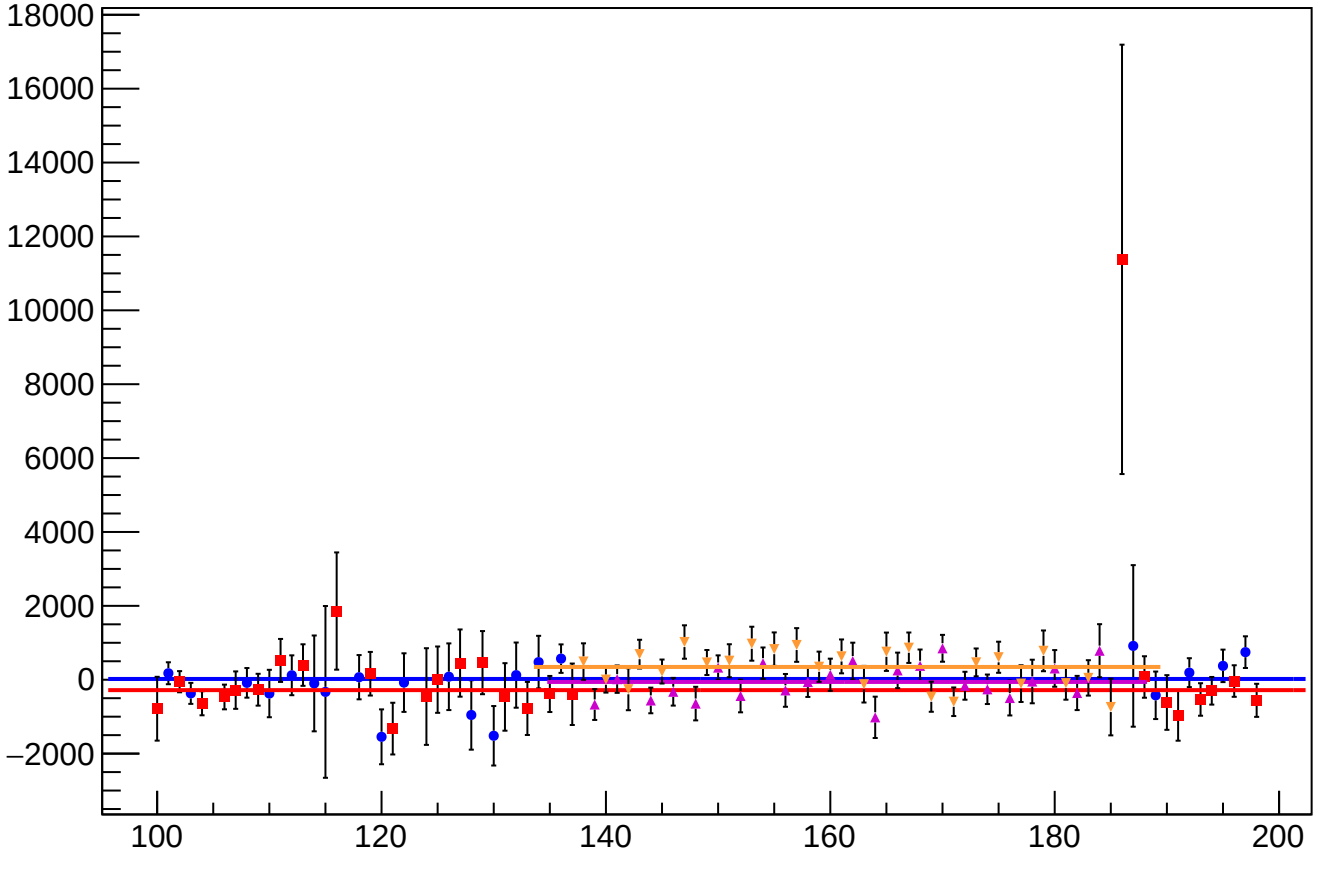
Right: 74.554+/-0.011 χ^2/NDF: 1418954.6/47

In: 72.538+/-0.010 χ^2/NDF:1456894.0/43

Out: 73.401+/-0.009 χ^2/NDF:2318042.4/51

All: 72.985+/-0.007 χ^2/NDF: 3779028.4/95

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 20.905+/-114.402 χ^2/NDF: 18.7/20

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

Right Out: -281.607+/-102.218 χ^2/NDF: 19.2/26

Left In: -59.907+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

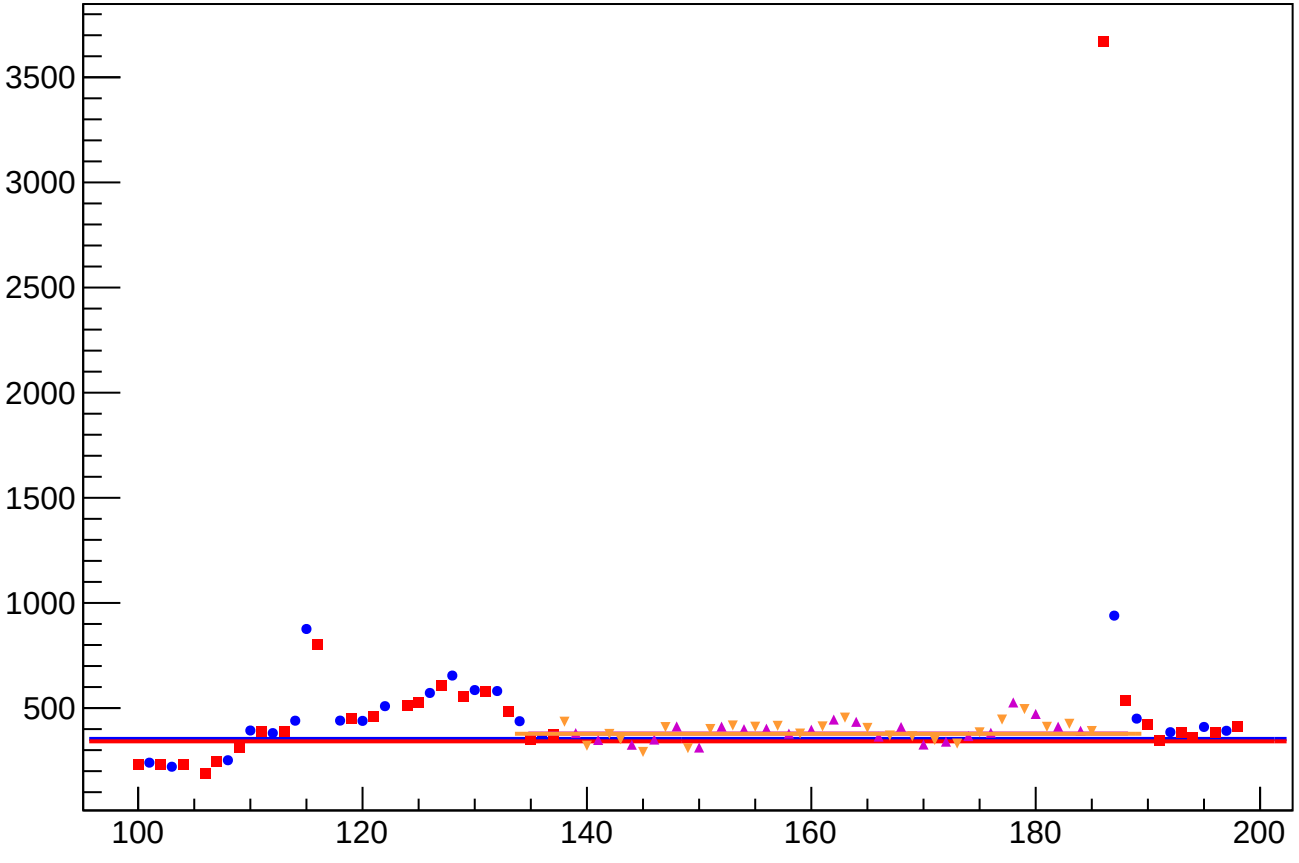
Right: -147.312+/-76.224 χ^2/NDF: 41.8/47

In: -29.263+/-70.448 χ^2/NDF:44.8/43

Out: 82.956+/-66.173 χ^2/NDF:70.1/51

All: 30.354+/-48.232 χ^2/NDF: 116.2/95

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 353.317+/-0.081 χ^2/NDF: 2022966.0/20

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 341.760+/-0.072 χ^2/NDF: 3026853.2/26

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

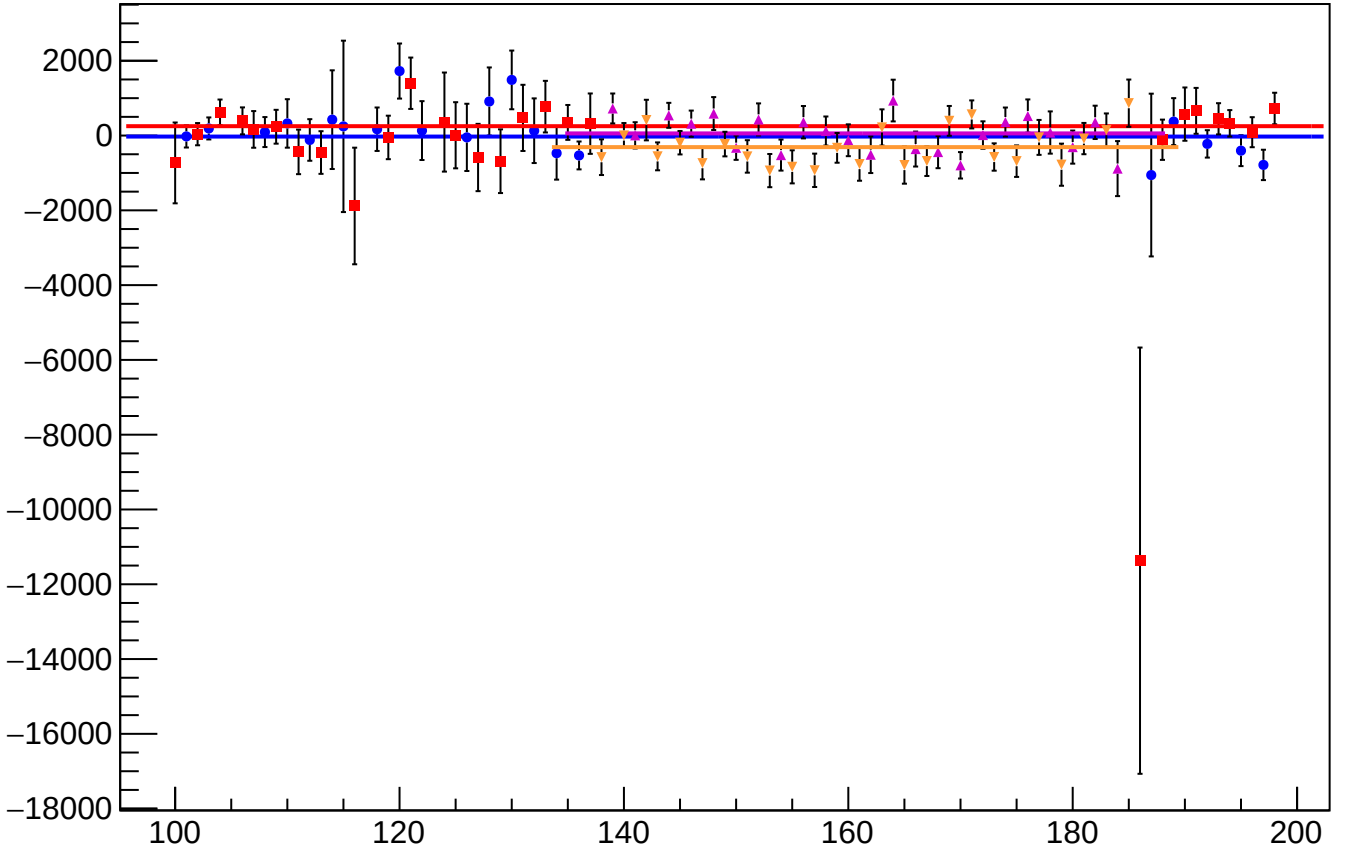
Right: 346.890+/-0.054 χ^2/NDF: 5061168.4/47

In: 369.179+/-0.050 χ^2/NDF:2612587.2/43

Out: 362.694+/-0.047 χ^2/NDF:3807966.9/51

All: 365.734+/-0.034 χ^2/NDF: 6429560.3/95

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -26.948+/-112.781 χ^2/NDF: 19.2/20

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: 250.707+/-101.830 χ^2/NDF: 20.3/26

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

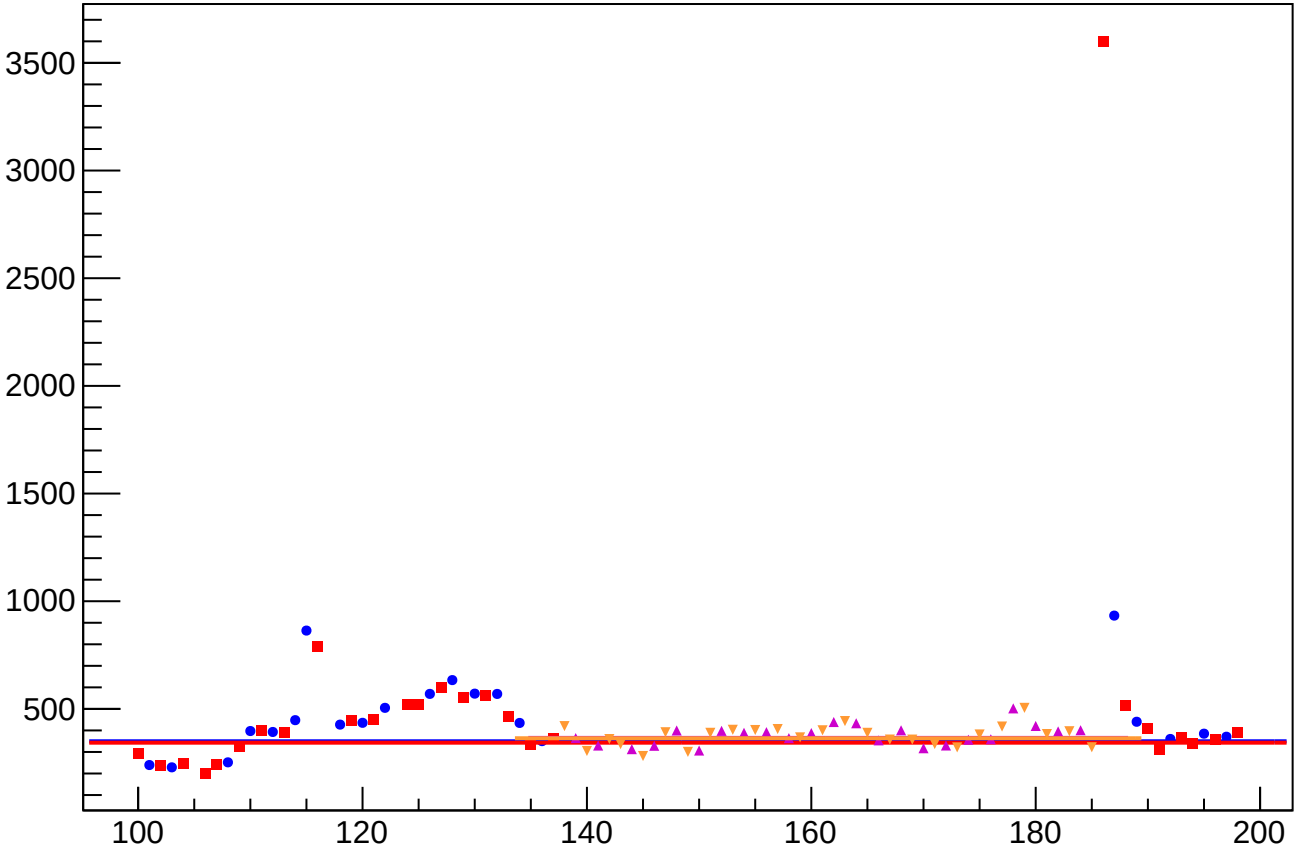
Right: 126.011+/-75.581 χ^2/NDF: 42.8/47

In: 26.376+/-68.499 χ^2/NDF:47.5/43

Out: -83.504+/-64.663 χ^2/NDF:68.3/51

All: -31.727+/-47.021 χ^2/NDF: 117.2/95

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 349.680+/-0.080 χ^2/NDF: 1847008.3/20

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

Right Out: 343.159+/-0.072 χ^2/NDF: 2623038.4/26

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

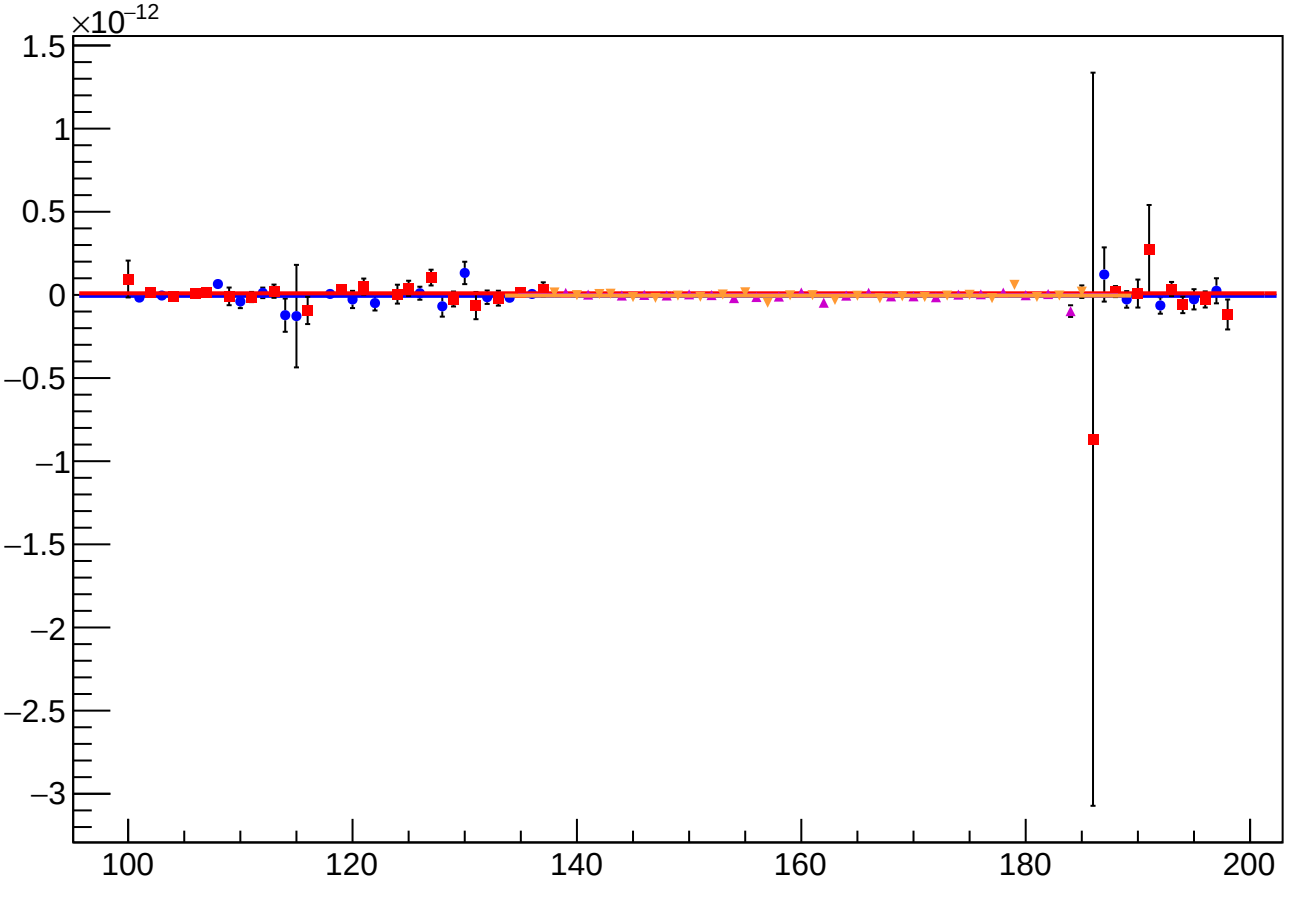
Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

Right: 346.088+/-0.053 χ^2/NDF: 4473731.1/47

In: 359.553+/-0.048 χ^2/NDF:2380789.1/43

Out: 355.425+/-0.046 χ^2/NDF:3340916.1/51

All: 357.371+/-0.033 χ^2/NDF: 5725545.8/95



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/26

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

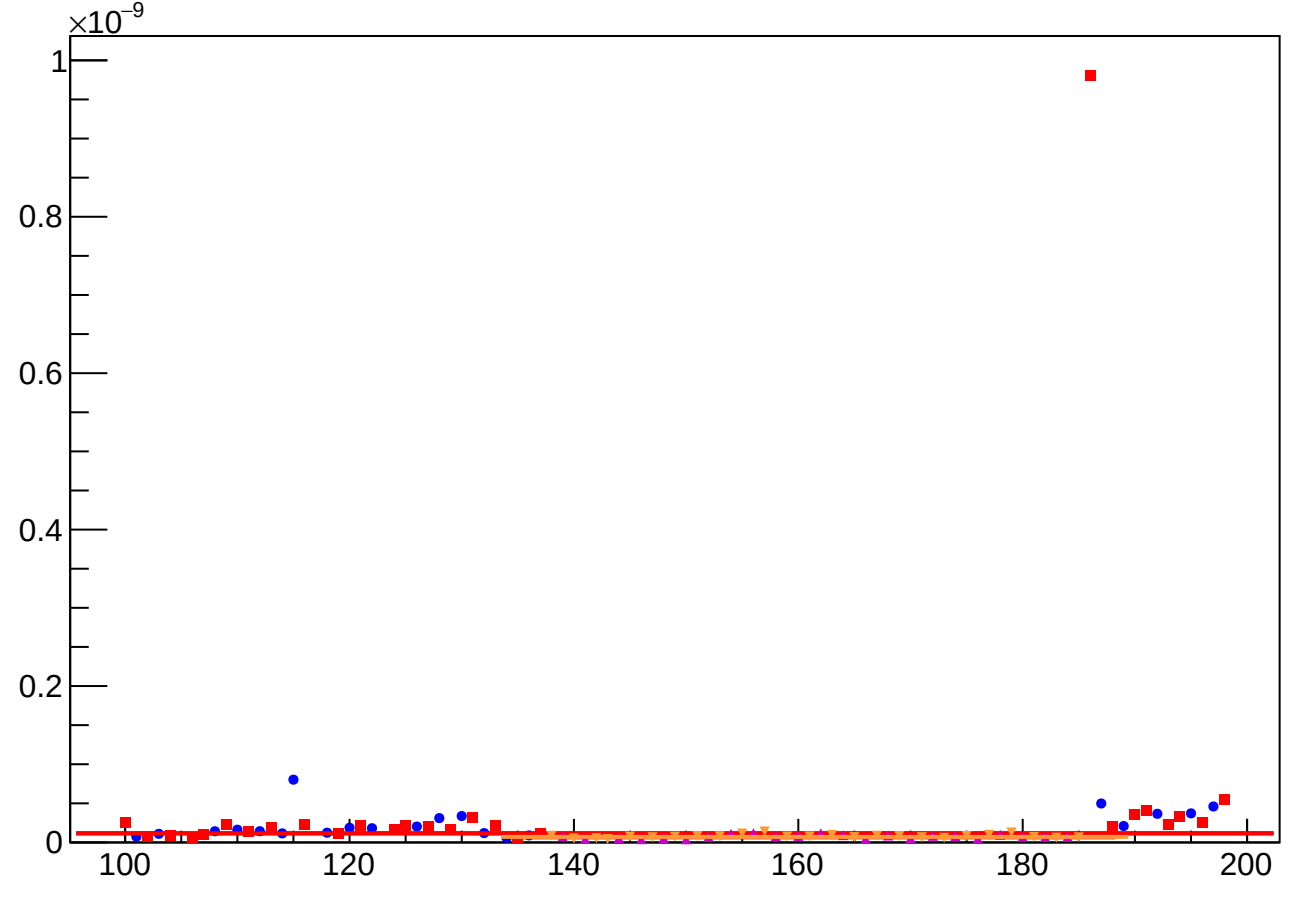
Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

Right: 0.000+/-0.000 χ^2/NDF: 40.6/47

In: -0.000+/-0.000 χ^2/NDF:41.1/43

Out: -0.000+/-0.000 χ^2/NDF:44.8/51

All: -0.000+/-0.000 χ^2/NDF: 85.9/95



Right In: 0.000+/-0.000 χ^2/NDF: 2705275.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3418854.7/26

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

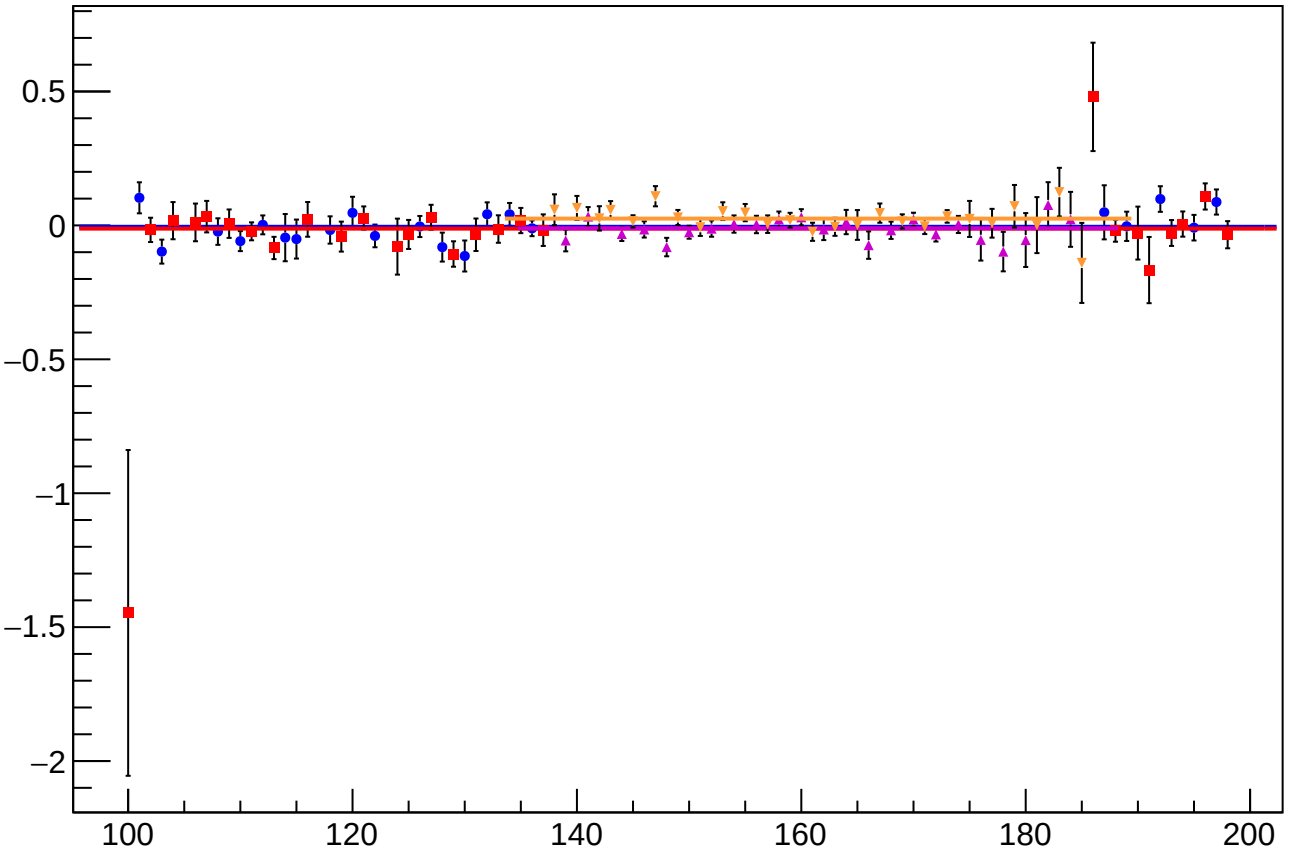
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 6124130.6/47

In: 0.000+/-0.000 χ^2/NDF:5074419.1/43

Out: 0.000+/-0.000 χ^2/NDF:5206676.3/51

All: 0.000+/-0.000 χ^2/NDF: 10343413.6/95



Right In: -0.005+/-0.010 χ^2/NDF: 28.8/20

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.012+/-0.010 χ^2/NDF: 31.1/26

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

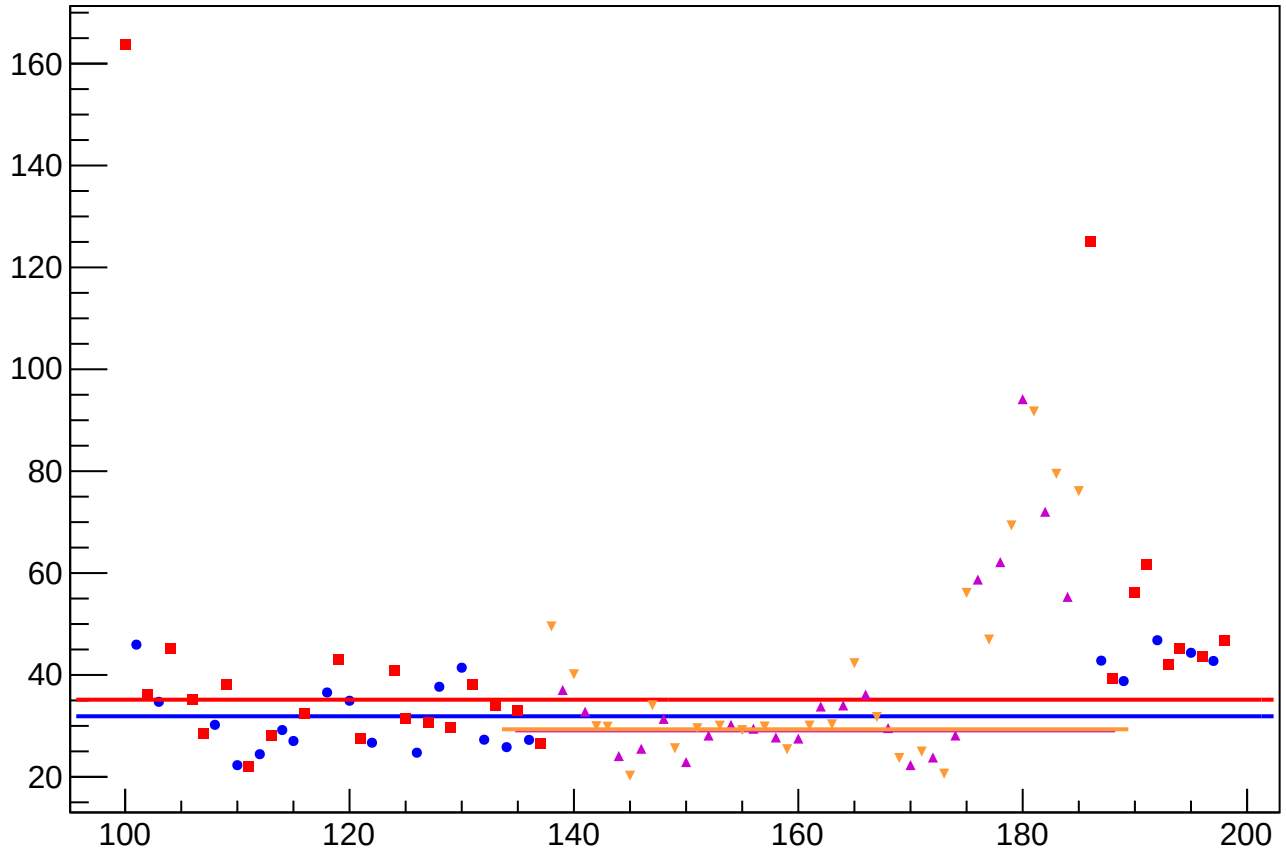
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.009+/-0.007 χ^2/NDF: 60.1/47

In: -0.009+/-0.006 χ^2/NDF:48.0/43

Out: 0.013+/-0.006 χ^2/NDF:57.3/51

All: 0.002+/-0.004 χ^2/NDF: 112.3/95



Right In: 31.890+/-0.007 χ^2/NDF: 1159979.1/20

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 35.147+/-0.007 χ^2/NDF: 1637693.3/26

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

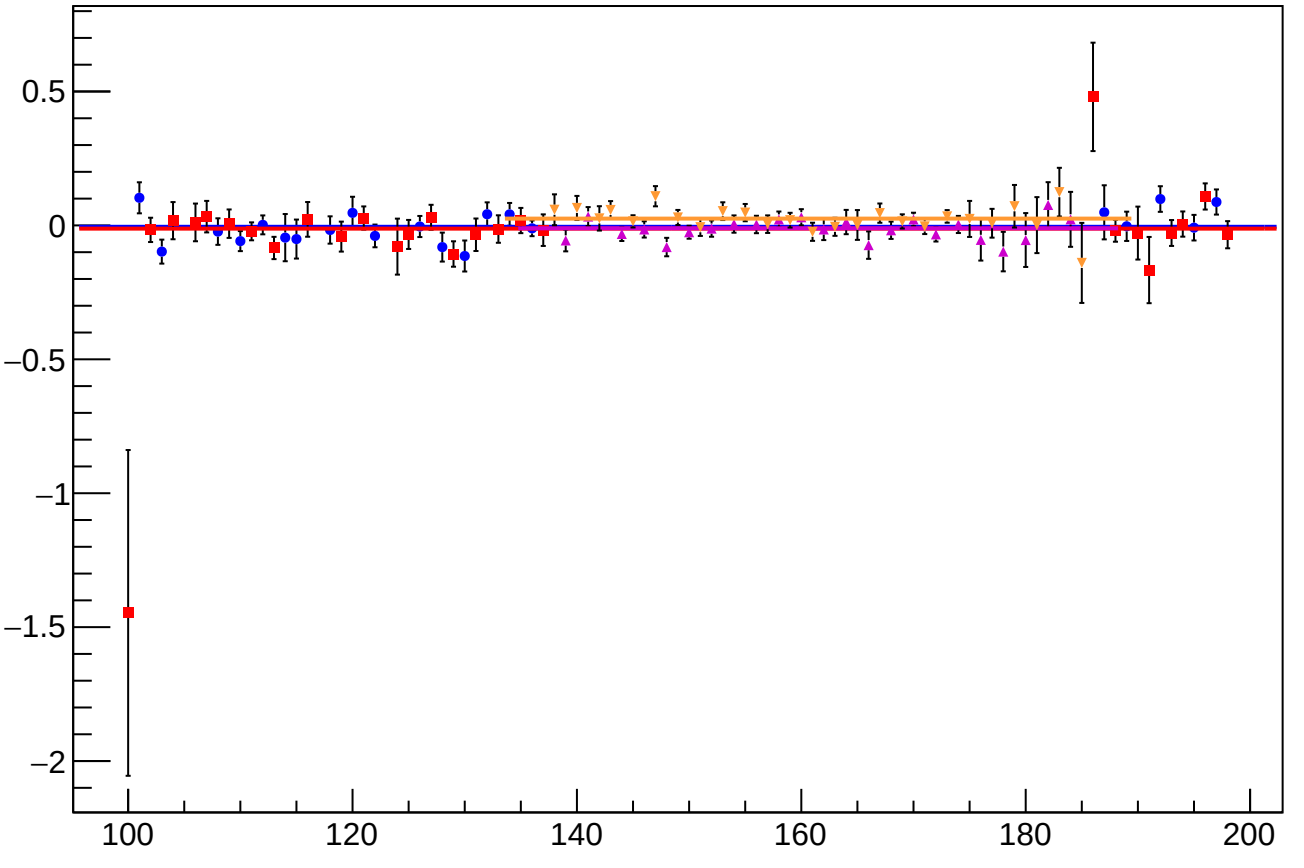
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 33.499+/-0.005 χ^2/NDF: 2897531.2/47

In: 30.056+/-0.004 χ^2/NDF:4095829.3/43

Out: 31.219+/-0.004 χ^2/NDF:5937430.7/51

All: 30.641+/-0.003 χ^2/NDF: 10071821.5/95



Right In: -0.005+/-0.010 χ^2/NDF: 28.8/20

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.012+/-0.010 χ^2/NDF: 31.1/26

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

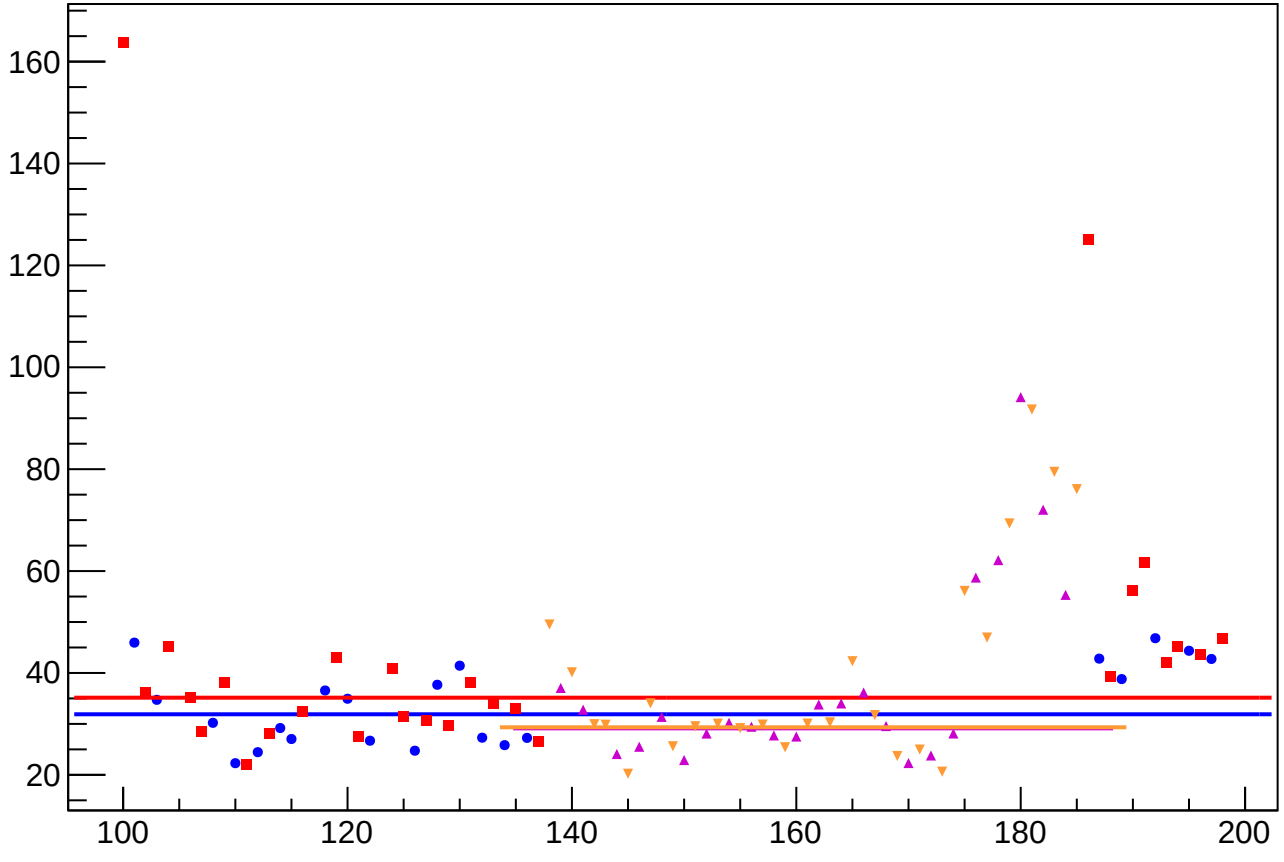
Right: -0.009+/-0.007 χ^2/NDF: 60.1/47

In: -0.009+/-0.006 χ^2/NDF:48.0/43

Out: 0.013+/-0.006 χ^2/NDF:57.3/51

All: 0.002+/-0.004 χ^2/NDF: 112.3/95

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.890+/-0.007 χ^2/NDF: 1159979.1/20

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 35.147+/-0.007 χ^2/NDF: 1637693.3/26

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

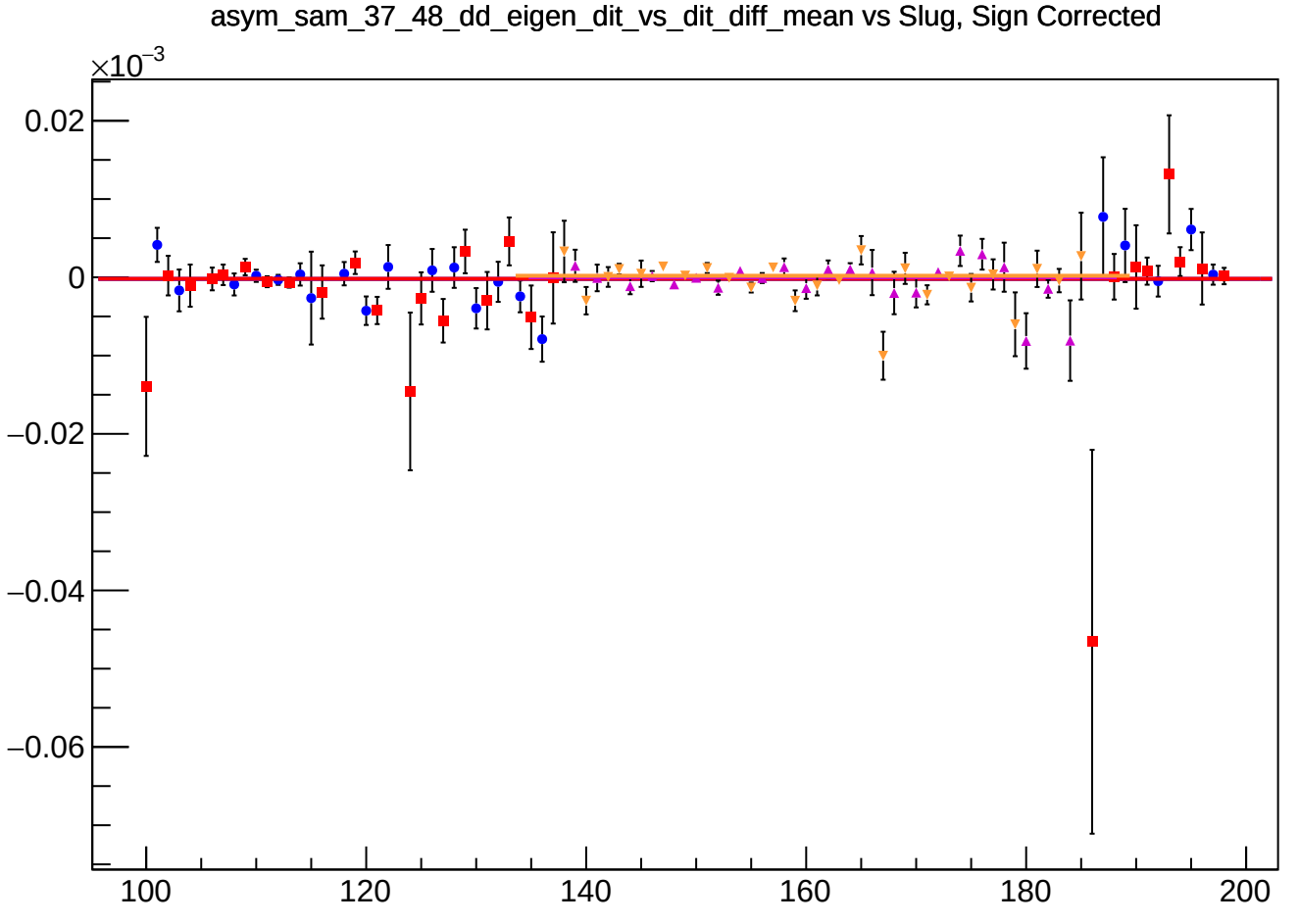
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 33.499+/-0.005 χ^2/NDF: 2897531.2/47

In: 30.056+/-0.004 χ^2/NDF:4095829.3/43

Out: 31.219+/-0.004 χ^2/NDF:5937430.7/51

All: 30.641+/-0.003 χ^2/NDF: 10071821.5/95



Right In: -0.000+/-0.000 χ^2/NDF: 29.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.3/26

Left In: -0.000+/-0.000 χ^2/NDF:32.9/22

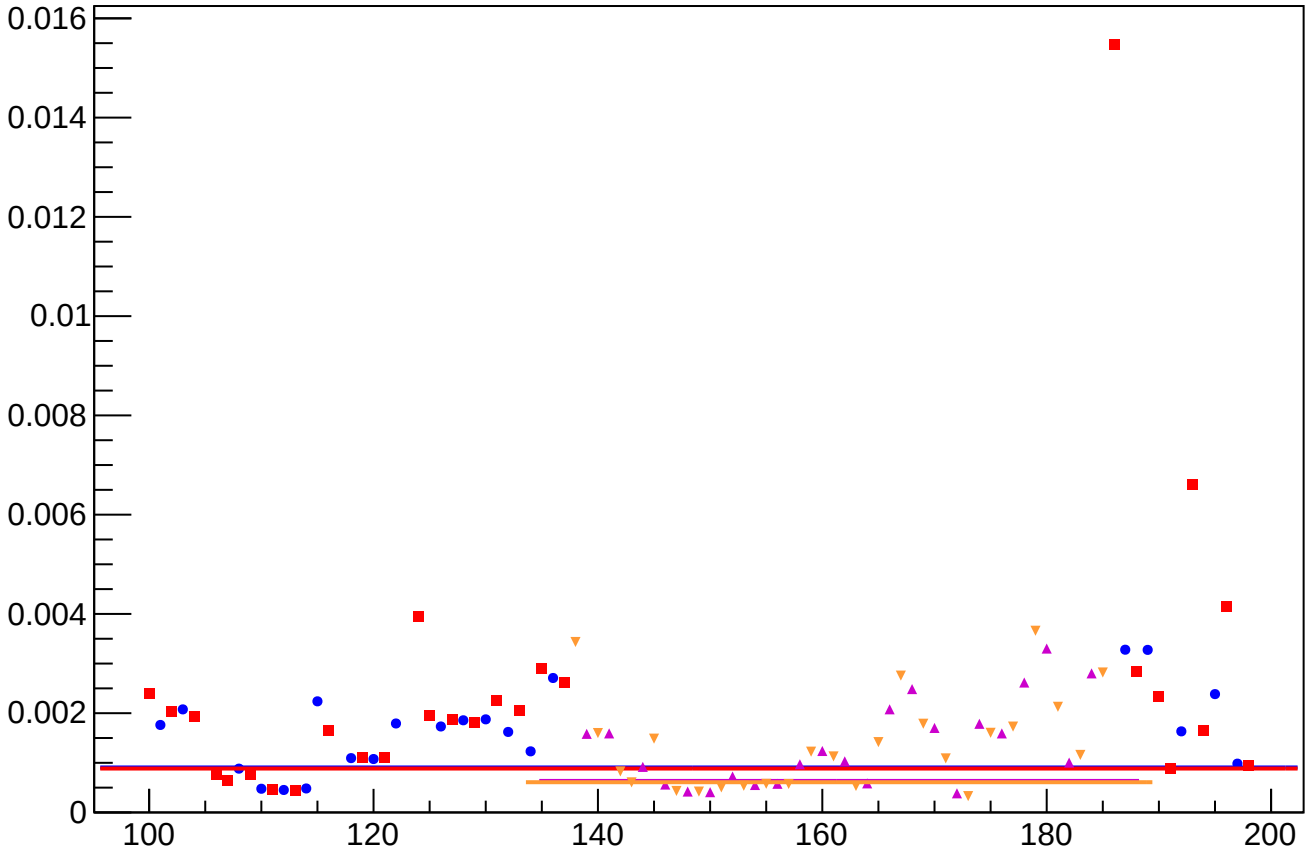
Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

Right: -0.000+/-0.000 χ^2/NDF: 63.7/47

In: -0.000+/-0.000 χ^2/NDF:62.6/43

Out: 0.000+/-0.000 χ^2/NDF:88.1/51

All: 0.000+/-0.000 χ^2/NDF: 151.3/95



Right In: 0.001+/-0.000 χ^2/NDF: 6164328.2/20

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9082716.0/26

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

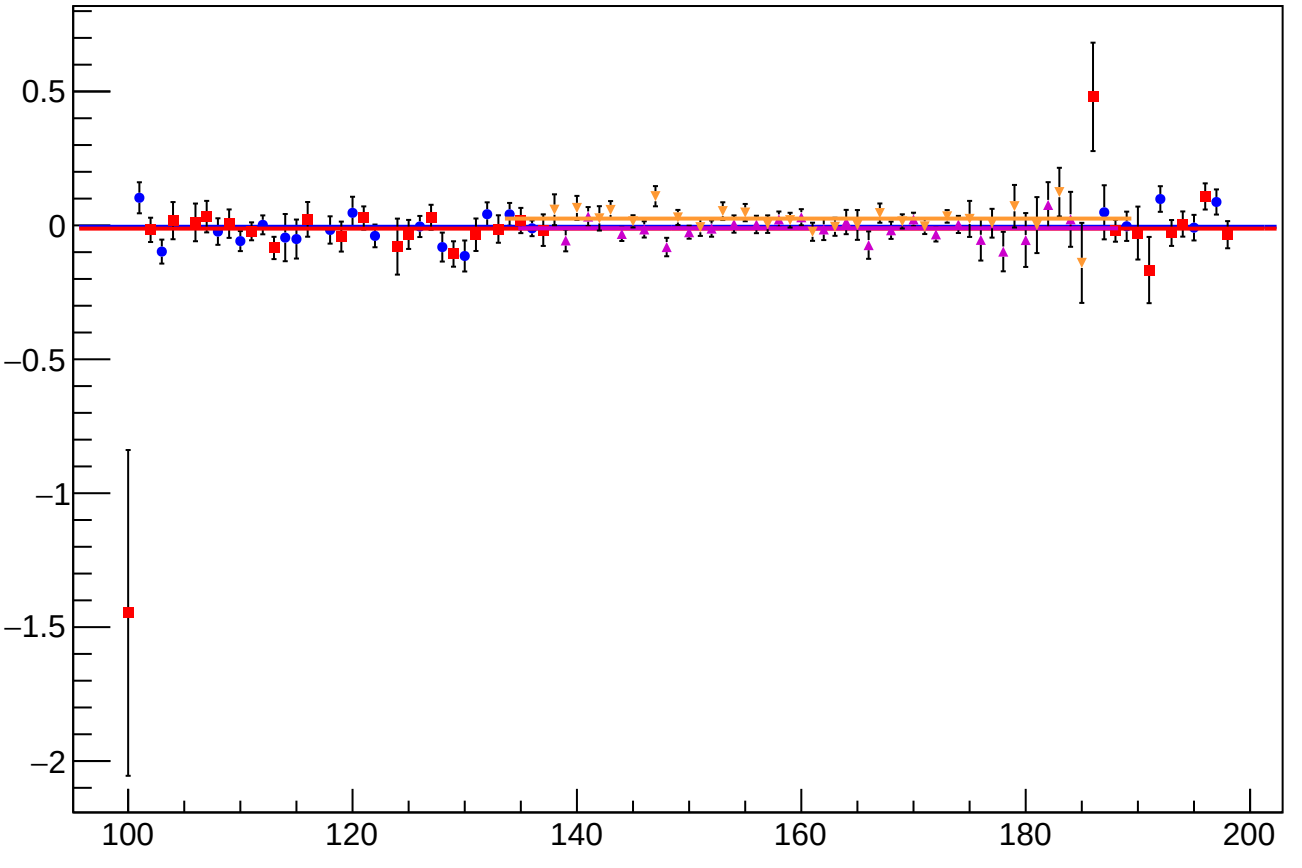
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 15251356.1/47

In: 0.001+/-0.000 χ^2/NDF:16506777.3/43

Out: 0.001+/-0.000 χ^2/NDF:21228760.5/51

All: 0.001+/-0.000 χ^2/NDF: 37758655.9/95



Right In: -0.005+/-0.010 χ^2/NDF: 28.8/20

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.012+/-0.010 χ^2/NDF: 31.1/26

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

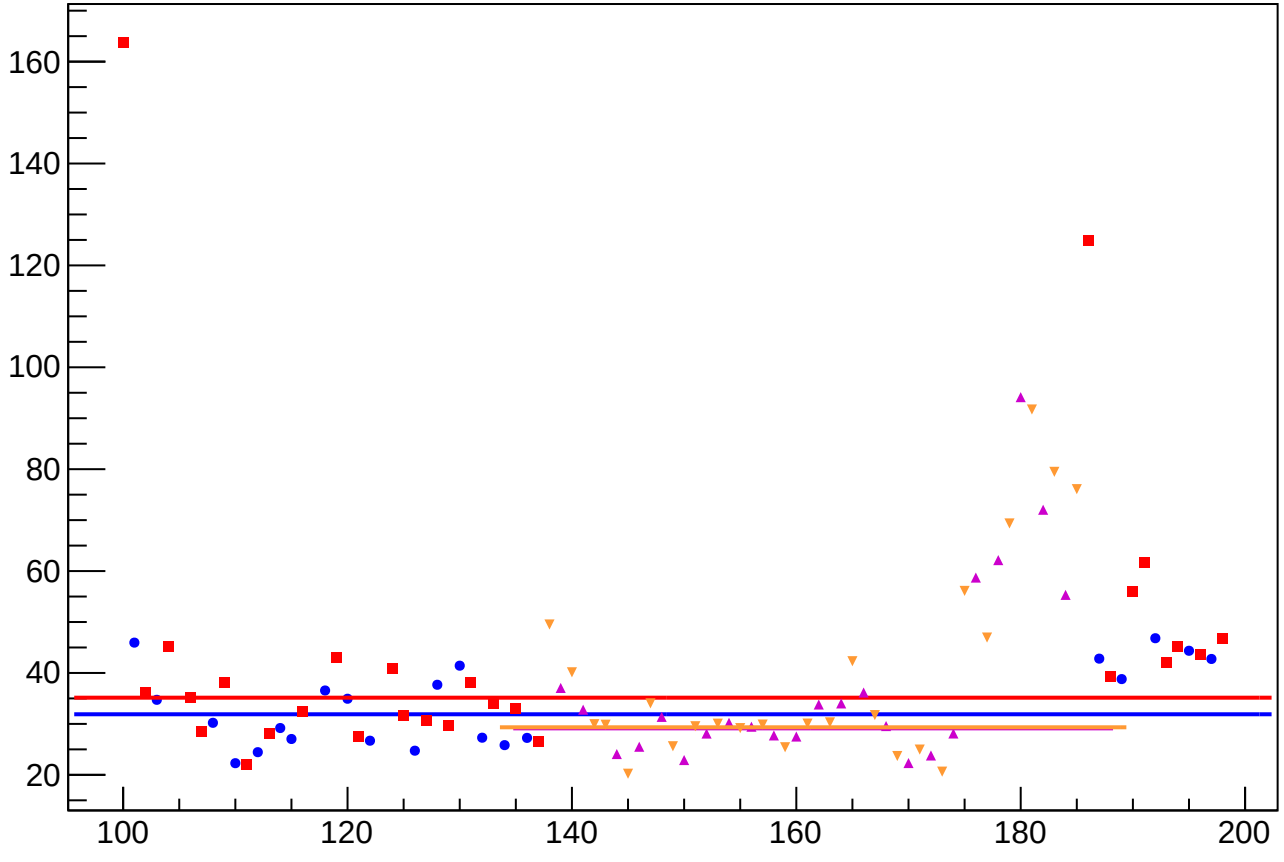
Right: -0.009+/-0.007 χ^2/NDF: 60.1/47

In: -0.009+/-0.006 χ^2/NDF:48.0/43

Out: 0.013+/-0.006 χ^2/NDF:57.3/51

All: 0.002+/-0.004 χ^2/NDF: 112.3/95

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.890+/-0.007 χ^2/NDF: 1159944.1/20

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 35.147+/-0.007 χ^2/NDF: 1637591.8/26

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

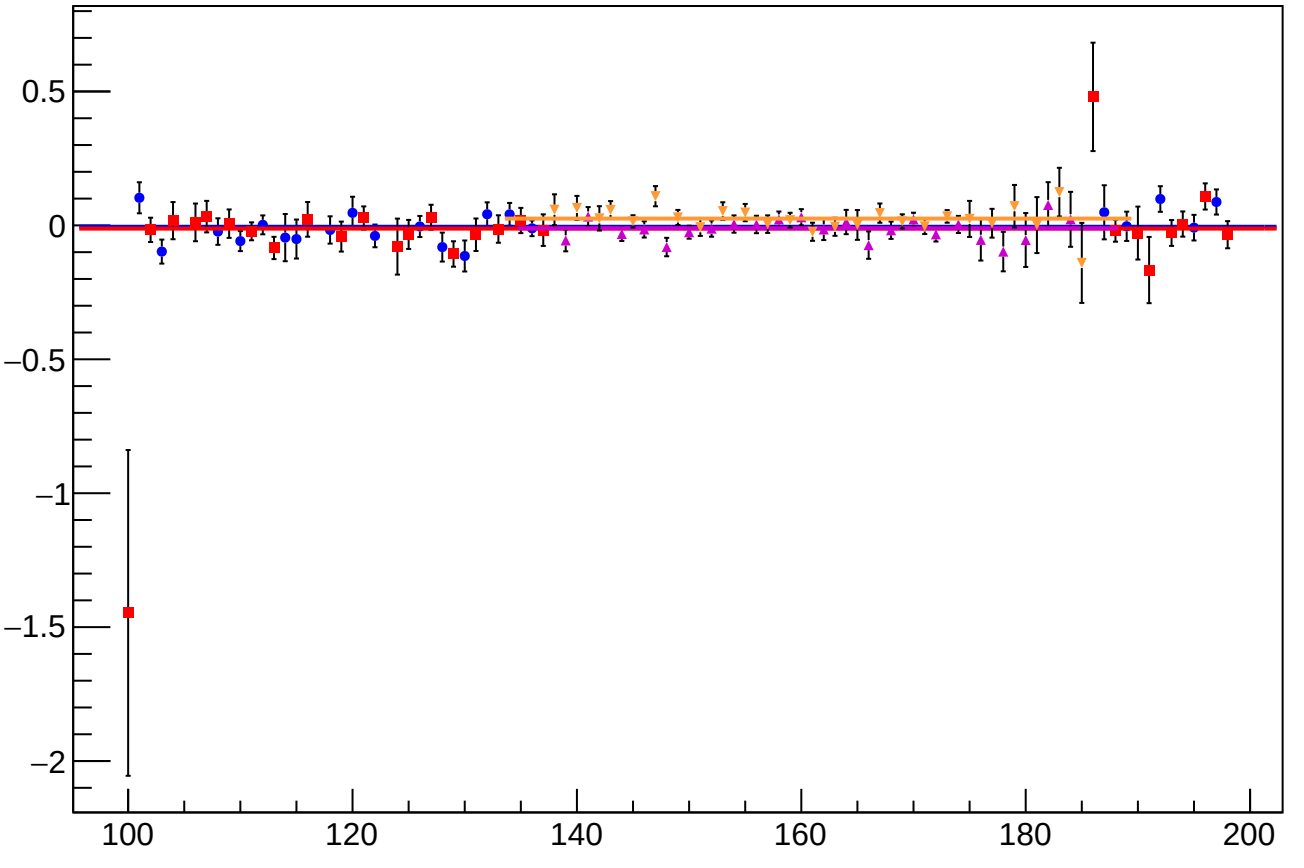
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 33.499+/-0.005 χ^2/NDF: 2897395.0/47

In: 30.055+/-0.004 χ^2/NDF:4095775.9/43

Out: 31.218+/-0.004 χ^2/NDF:5937441.2/51

All: 30.641+/-0.003 χ^2/NDF: 10071776.6/95



Right In: -0.005+/-0.010 χ^2/NDF: 28.8/20

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.012+/-0.010 χ^2/NDF: 31.1/26

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

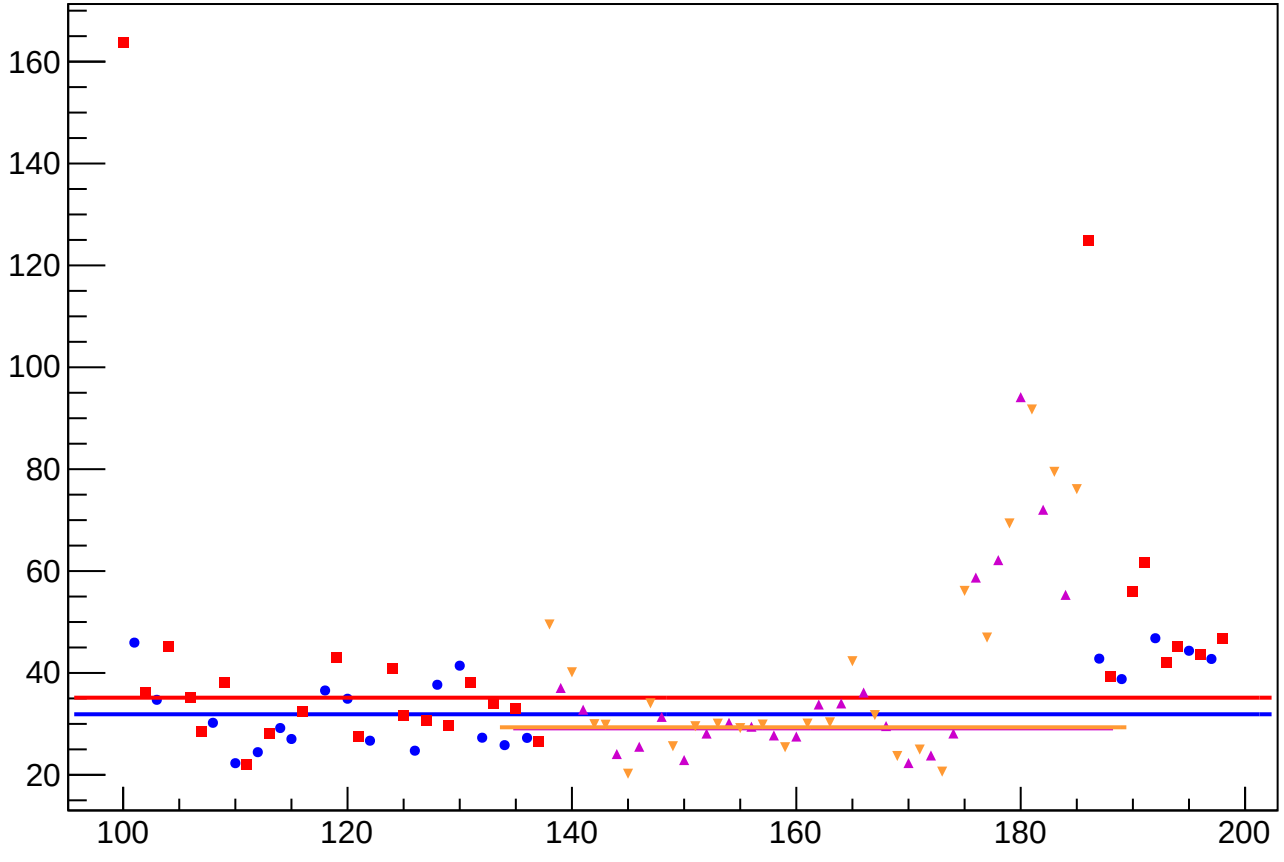
Right: -0.009+/-0.007 χ^2/NDF: 60.1/47

In: -0.009+/-0.006 χ^2/NDF:48.0/43

Out: 0.013+/-0.006 χ^2/NDF:57.3/51

All: 0.002+/-0.004 χ^2/NDF: 112.3/95

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.890+/-0.007 χ^2/NDF: 1159944.1/20

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 35.147+/-0.007 χ^2/NDF: 1637591.8/26

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

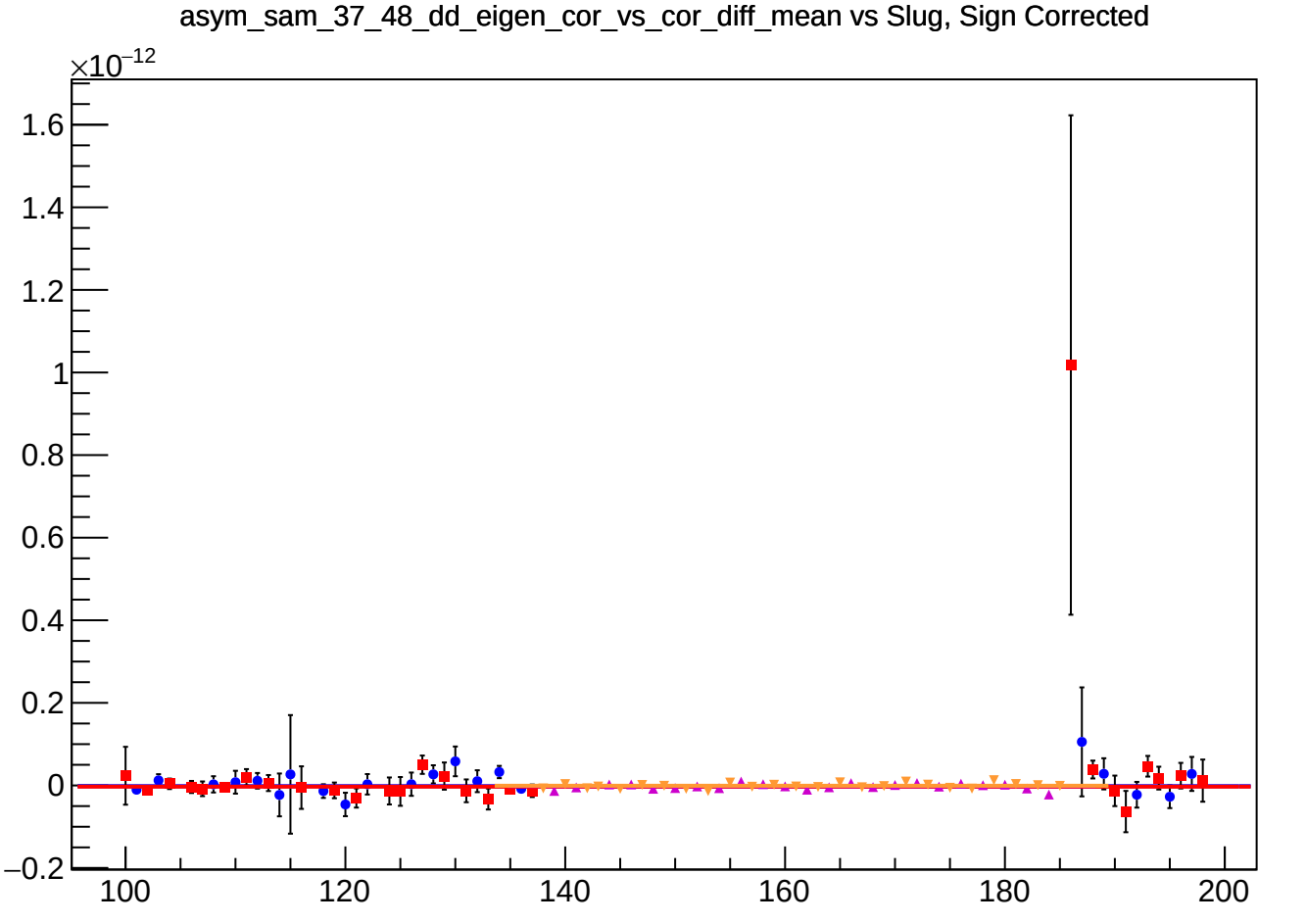
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 33.499+/-0.005 χ^2/NDF: 2897395.0/47

In: 30.055+/-0.004 χ^2/NDF:4095775.9/43

Out: 31.218+/-0.004 χ^2/NDF:5937441.2/51

All: 30.641+/-0.003 χ^2/NDF: 10071776.6/95



Right In: -0.000+/-0.000 χ^2/NDF: 20.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.2/26

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

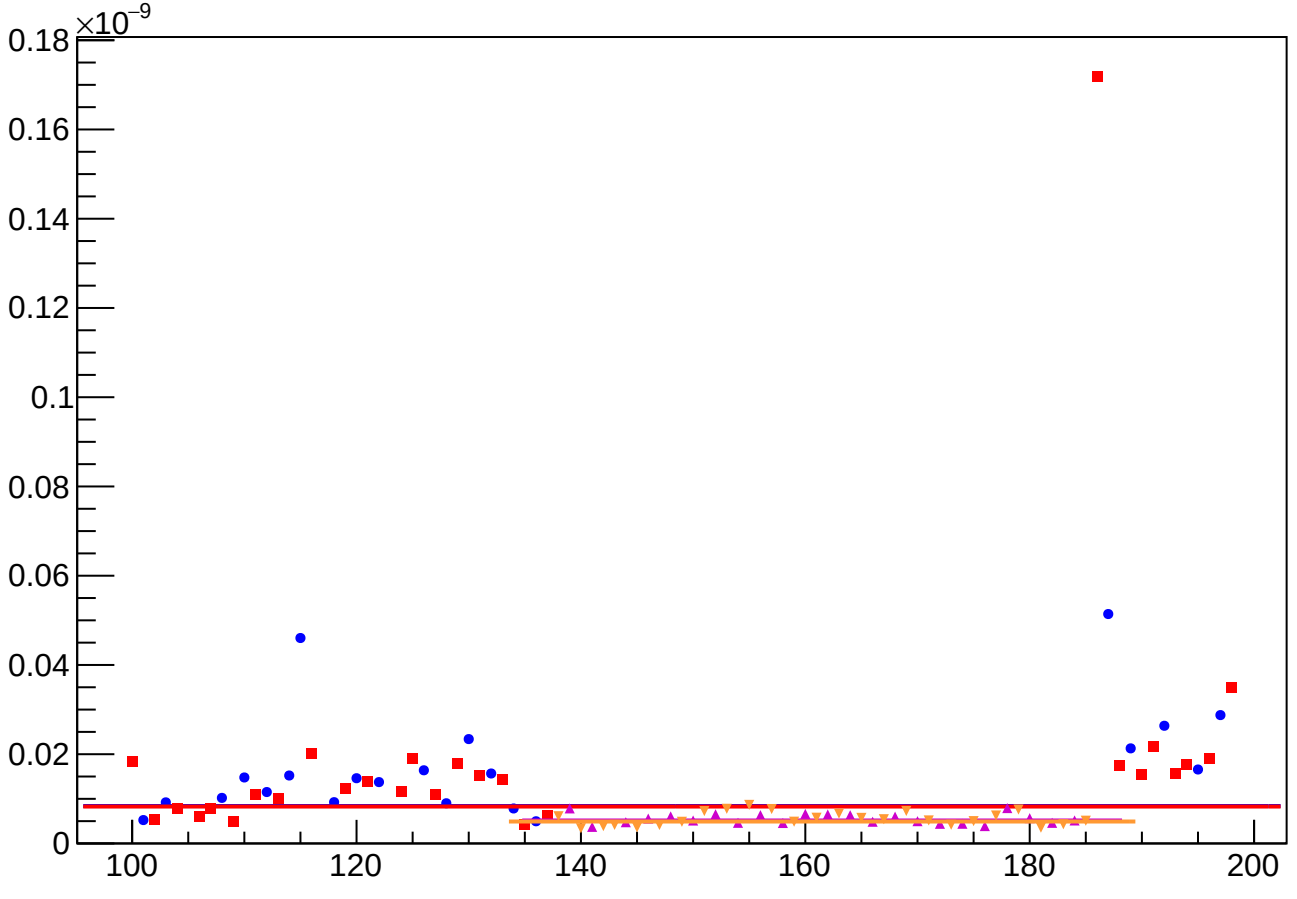
Right: -0.000+/-0.000 χ^2/NDF: 47.3/47

In: -0.000+/-0.000 χ^2/NDF:36.6/43

Out: -0.000+/-0.000 χ^2/NDF:42.6/51

All: -0.000+/-0.000 χ^2/NDF: 79.3/95

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3882943.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4069751.2/26

Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

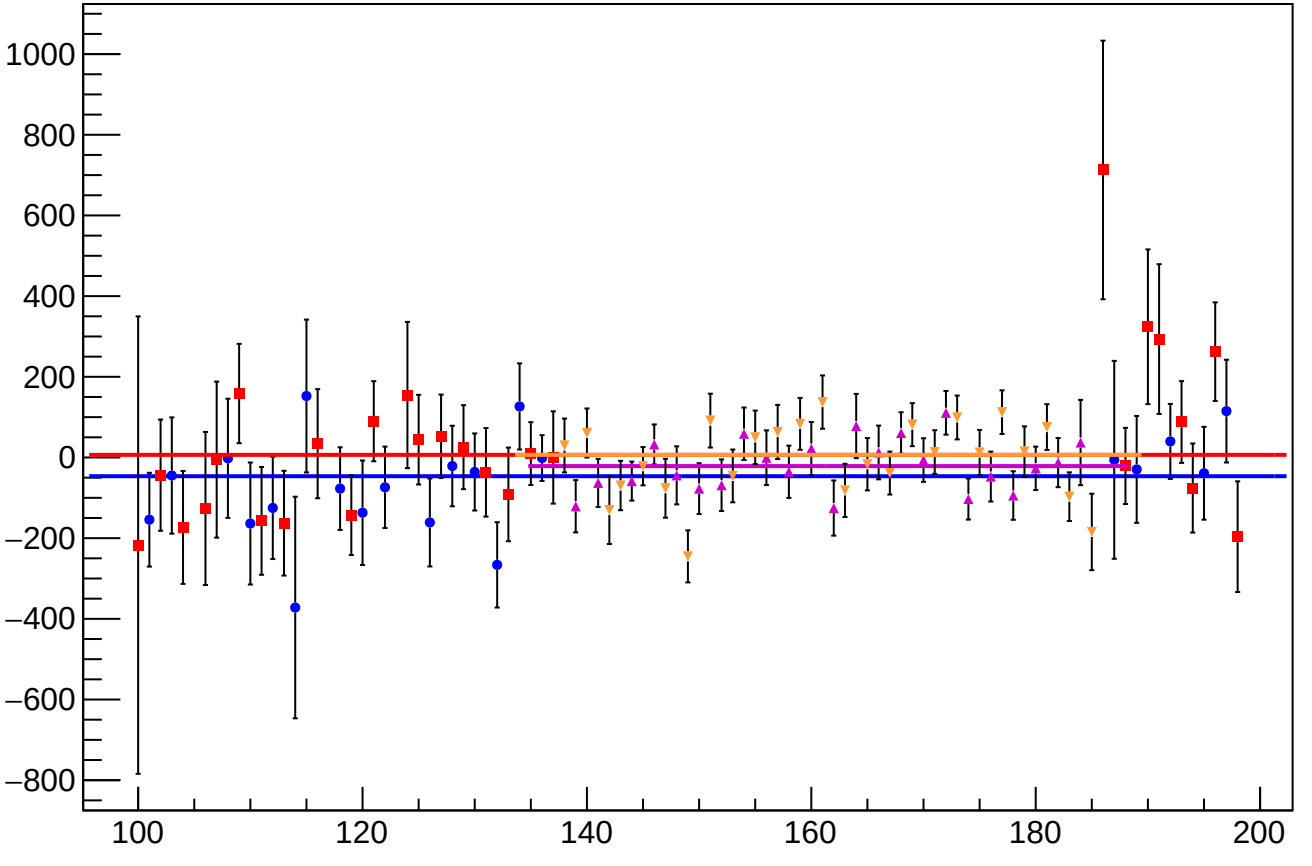
Right: 0.000+/-0.000 χ^2/NDF: 7953670.7/47

In: 0.000+/-0.000 χ^2/NDF:6171214.8/43

Out: 0.000+/-0.000 χ^2/NDF:7546337.2/51

All: 0.000+/-0.000 χ^2/NDF: 13739685.6/95

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -46.418+/-24.421 χ^2/NDF: 16.4/20

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: 6.518+/-23.740 χ^2/NDF: 29.9/26

Left In: -21.336+/-12.649 χ^2/NDF:25.4/22

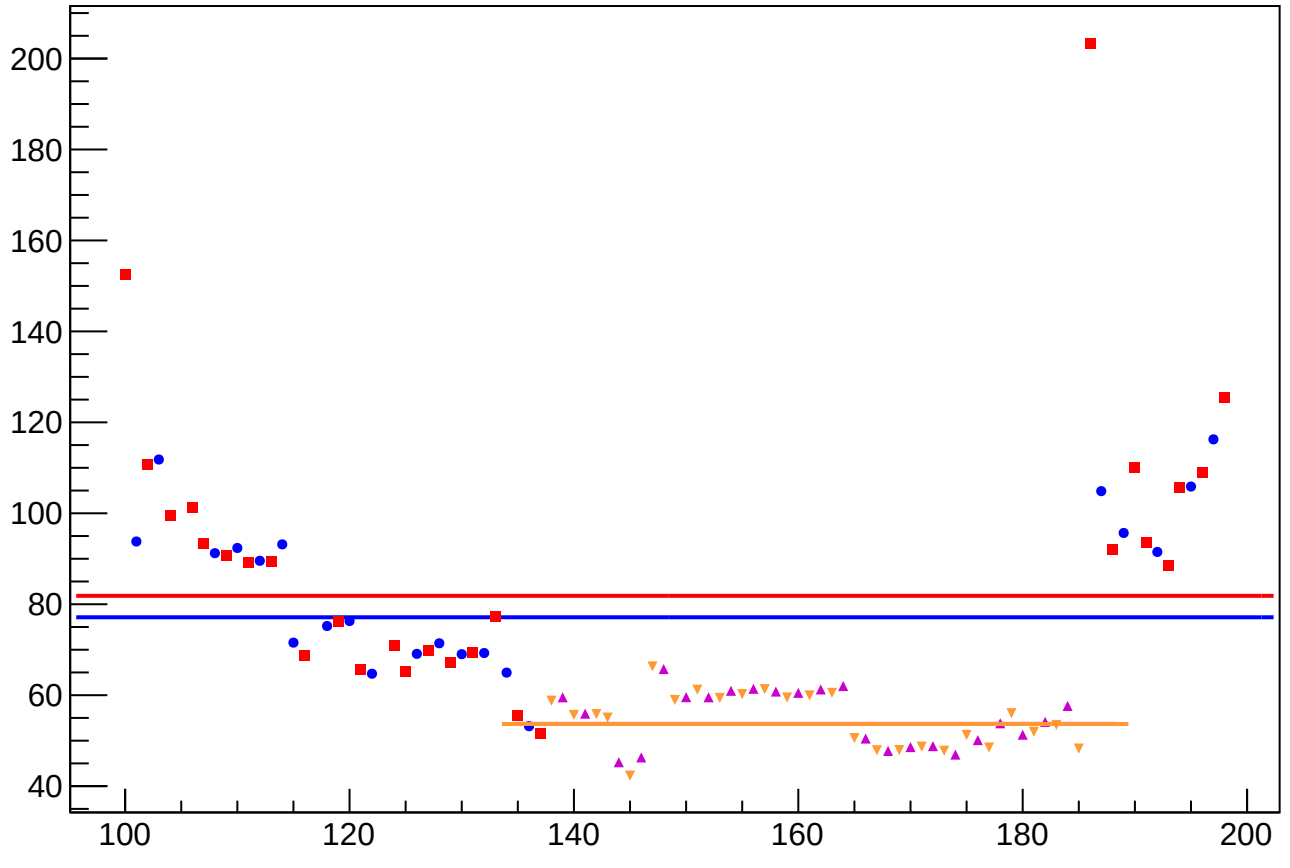
Left: -7.002+/-8.814 χ^2/NDF: 78.5/47

Right: -19.201+/-17.022 χ^2/NDF: 48.7/47

In: -26.642+/-11.232 χ^2/NDF:42.6/43

Out: 6.522+/-10.912 χ^2/NDF:80.5/51

All: -9.581+/-7.827 χ^2/NDF: 127.6/95



Right In: 77.133+/-0.017 χ^2/NDF: 1106438.8/20

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 81.848+/-0.017 χ^2/NDF: 1564192.5/26

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

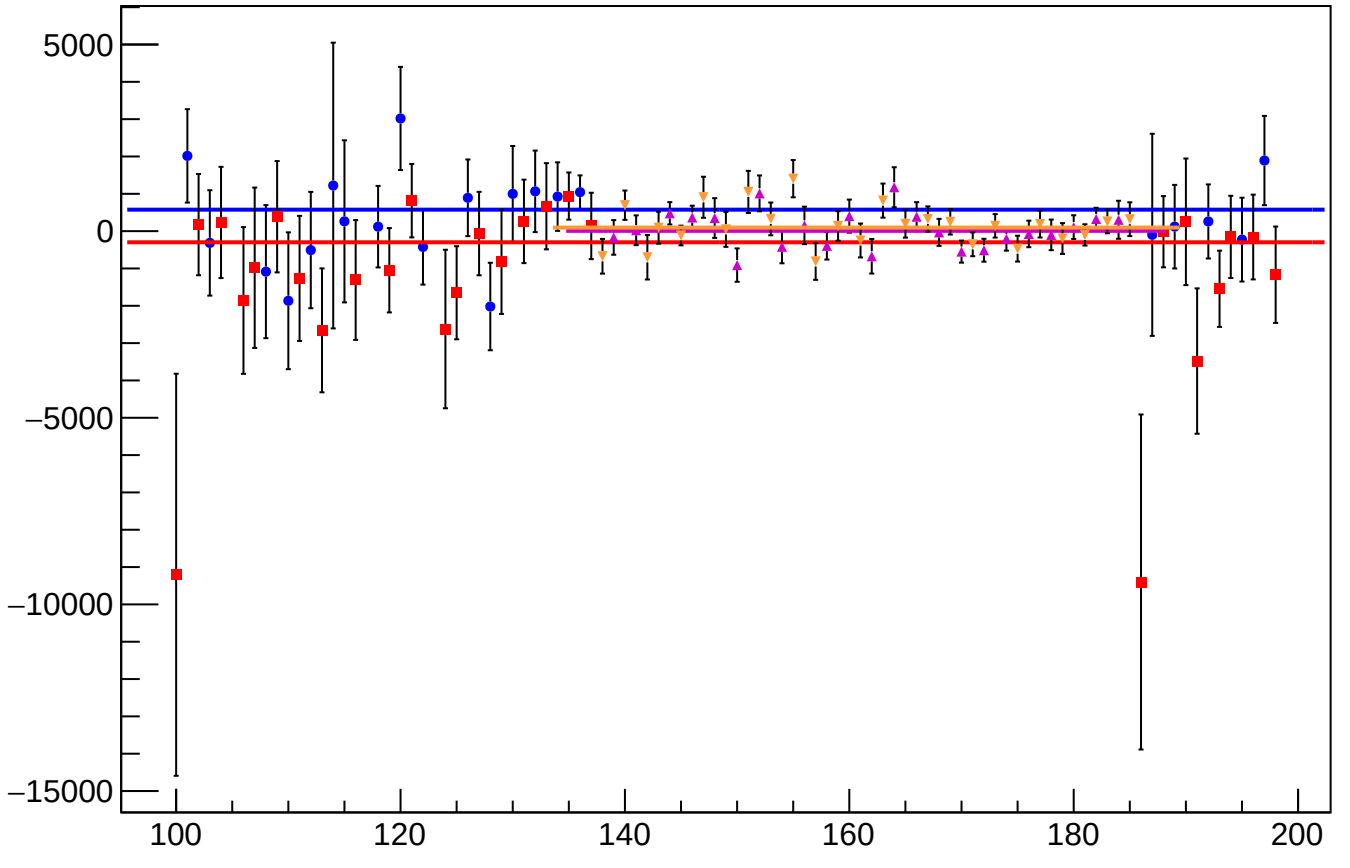
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 79.557+/-0.012 χ^2/NDF: 2708962.2/47

In: 58.653+/-0.008 χ^2/NDF:3030423.7/43

Out: 59.620+/-0.008 χ^2/NDF:4259493.9/51

All: 59.150+/-0.006 χ^2/NDF: 7297548.8/95



Right In: 575.486+/-239.109 χ^2/NDF: 17.8/20

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: -298.713+/-240.505 χ^2/NDF: 24.9/26

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

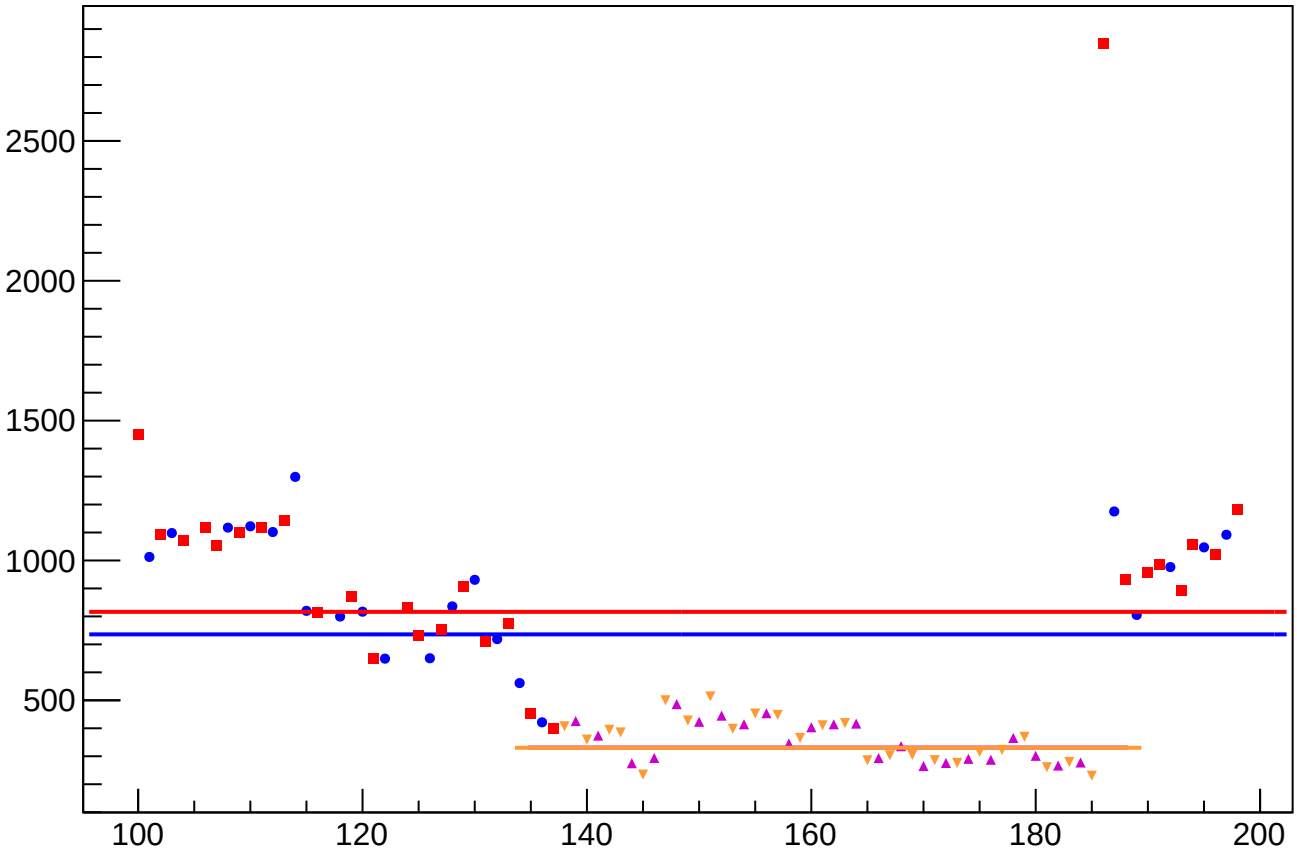
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 140.932+/-169.567 χ^2/NDF: 49.3/47

In: 63.901+/-75.119 χ^2/NDF:55.2/43

Out: 58.693+/-73.449 χ^2/NDF:60.5/51

All: 61.239+/-52.517 χ^2/NDF: 115.7/95



Right In: 735.756+/-0.169 χ^2/NDF: 2231131.2/20

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 816.288+/-0.170 χ^2/NDF: 2471484.6/26

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

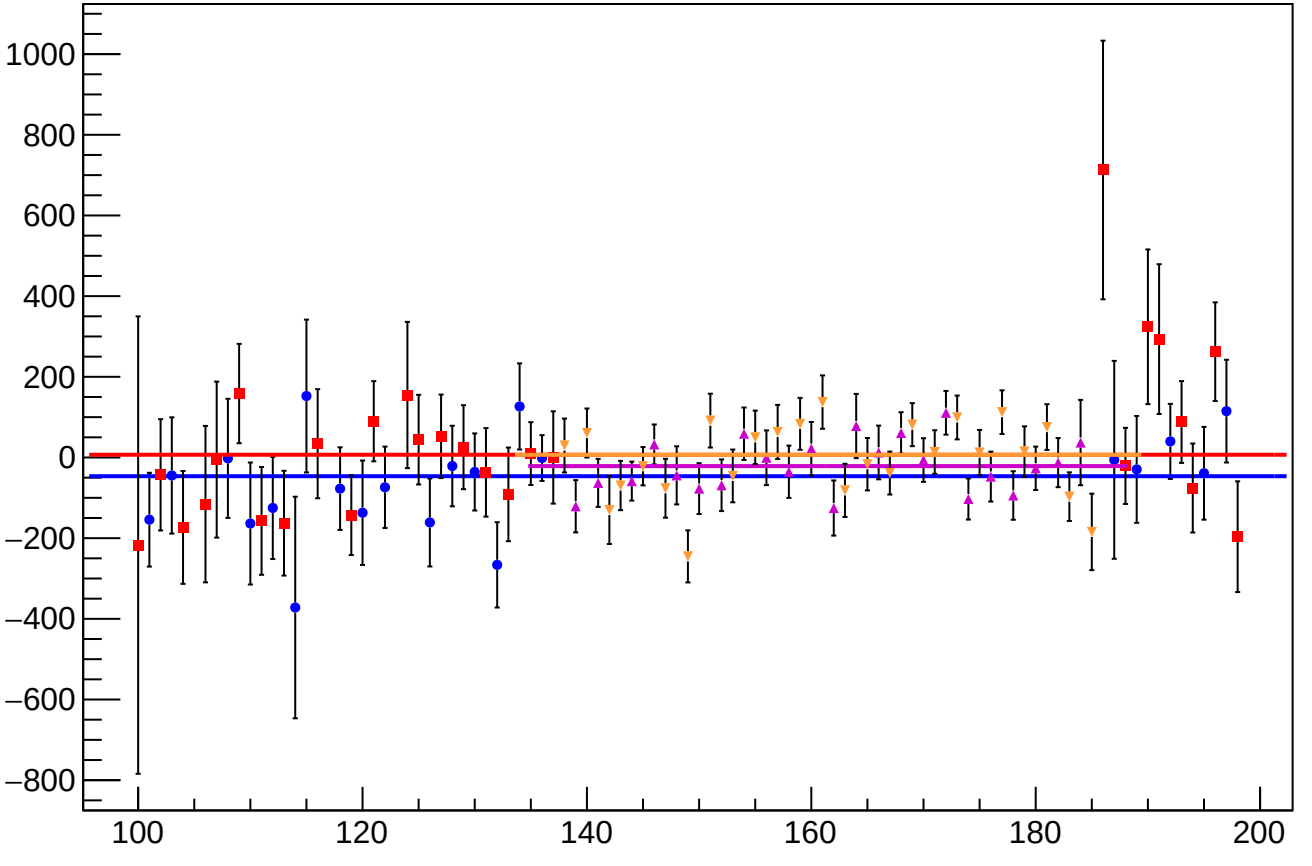
Right: 775.788+/-0.120 χ^2/NDF: 4815390.9/47

In: 371.002+/-0.053 χ^2/NDF:8720542.6/43

Out: 375.722+/-0.052 χ^2/NDF:11625522.3/51

All: 373.415+/-0.037 χ^2/NDF: 20350101.9/95

cor_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -46.410+/-24.421 χ^2/NDF: 16.4/20

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 6.796+/-23.748 χ^2/NDF: 29.8/26

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

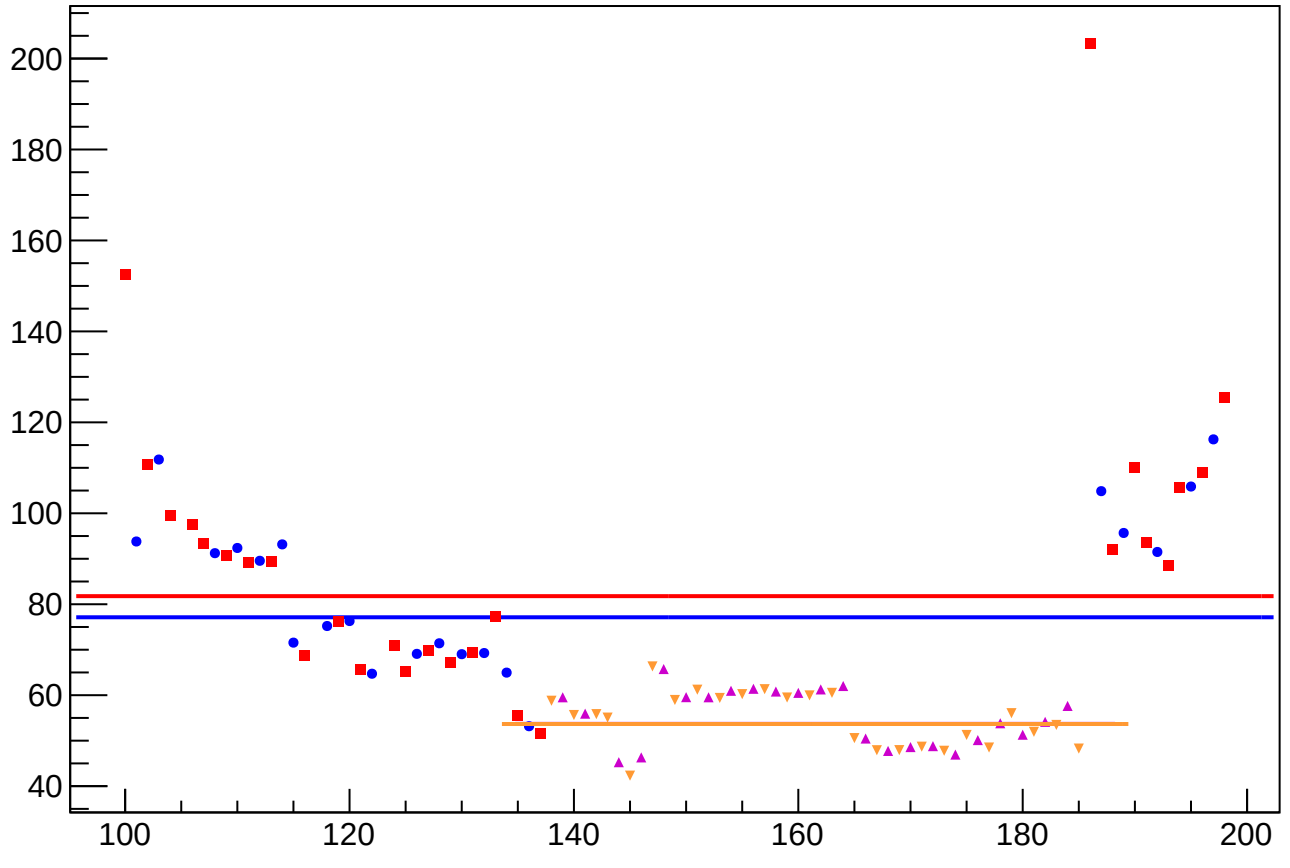
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -19.064+/-17.025 χ^2/NDF: 48.6/47

In: -26.639+/-11.232 χ^2/NDF:42.6/43

Out: 6.583+/-10.913 χ^2/NDF:80.4/51

All: -9.550+/-7.827 χ^2/NDF: 127.5/95



Right In: 77.133+/-0.017 χ^2/NDF: 1106441.1/20

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 81.781+/-0.017 χ^2/NDF: 1556678.5/26

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

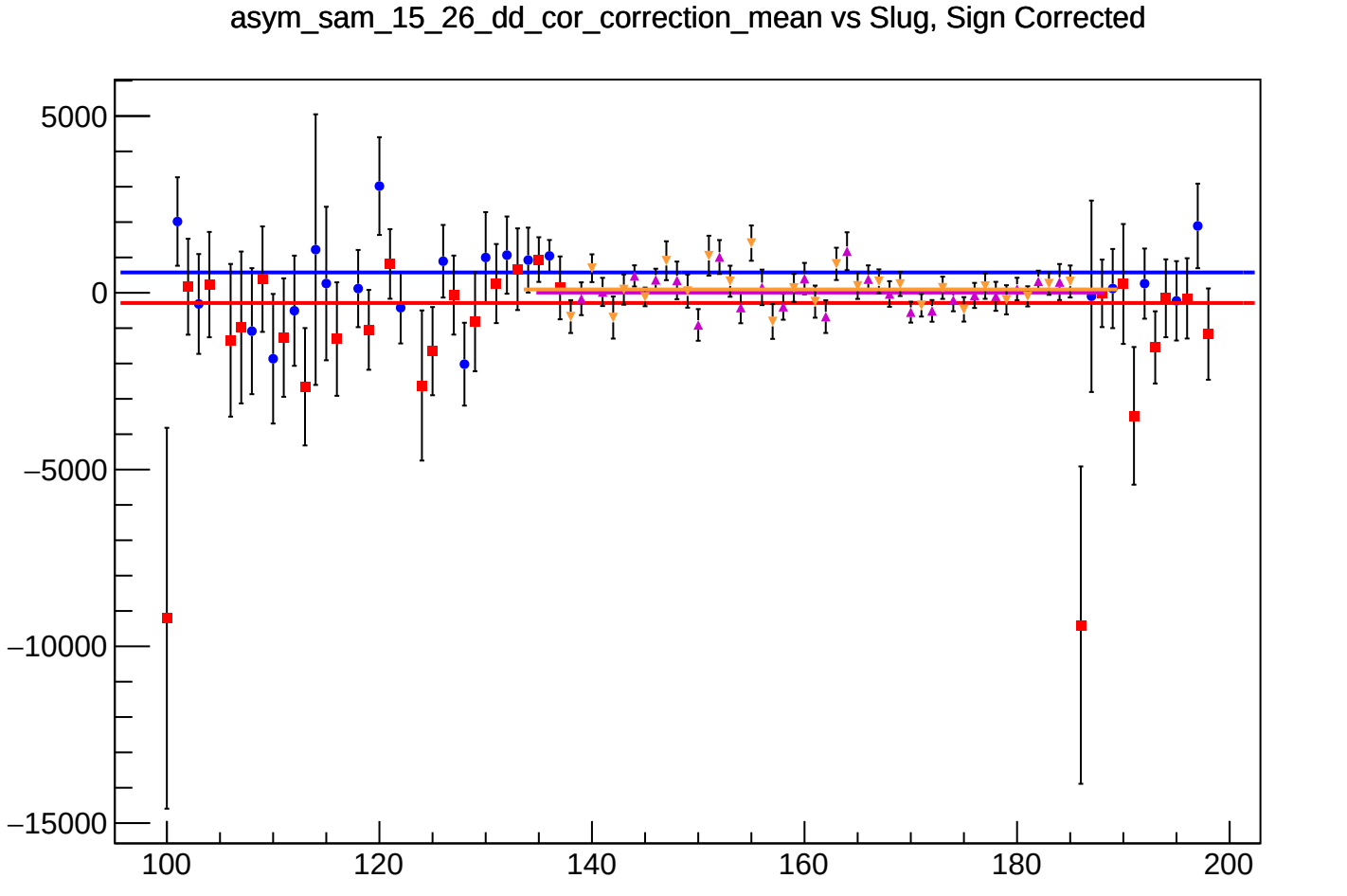
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 79.522+/-0.012 χ^2/NDF: 2700349.8/47

In: 58.653+/-0.008 χ^2/NDF:3030426.3/43

Out: 59.603+/-0.008 χ^2/NDF:4240143.2/51

All: 59.141+/-0.006 χ^2/NDF: 7277926.5/95



Right In: 575.480+/-239.109 χ^2/NDF: 17.8/20

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -288.418+/-240.820 χ^2/NDF: 24.5/26

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

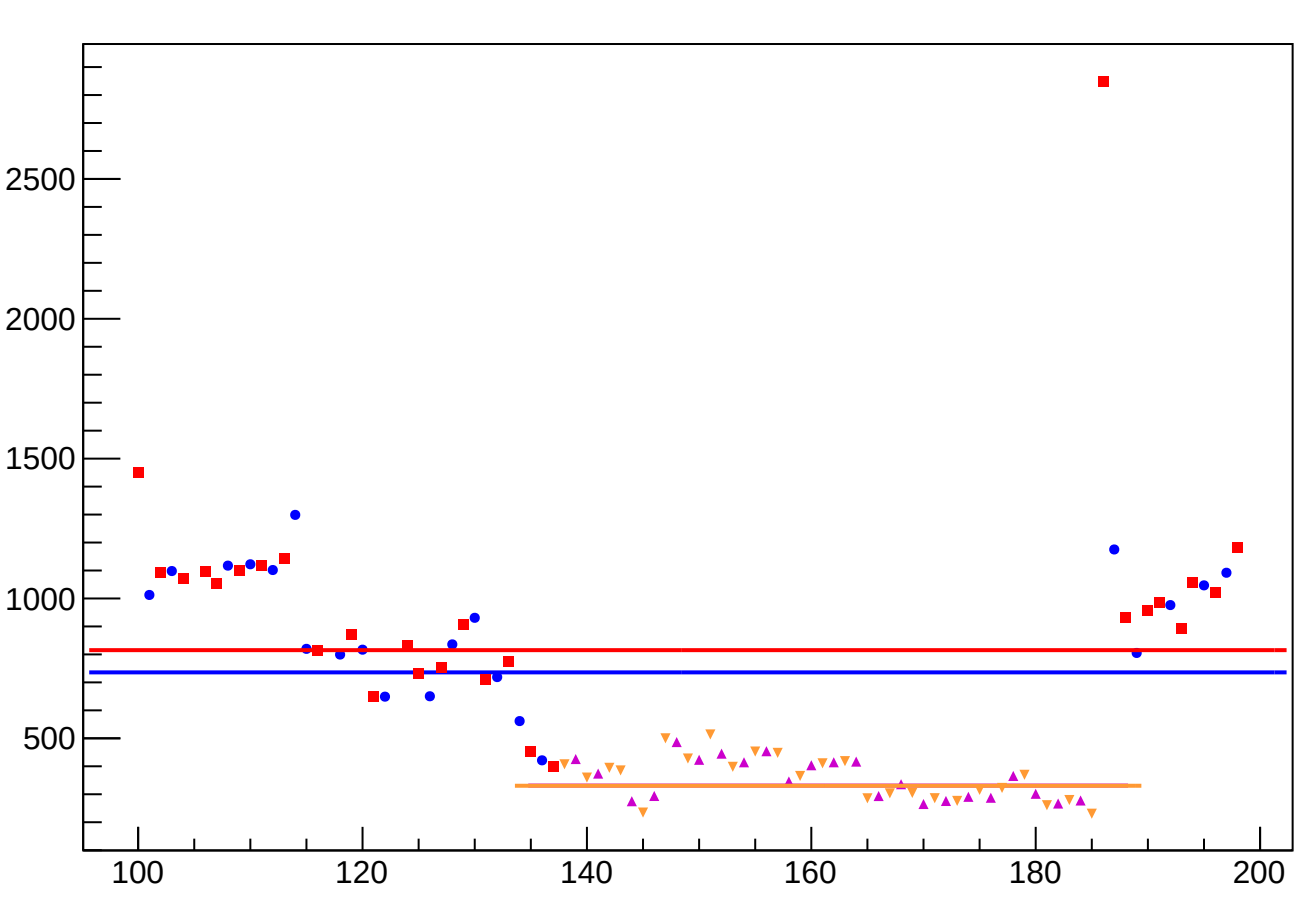
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 146.610+/-169.677 χ^2/NDF: 48.8/47

In: 63.897+/-75.119 χ^2/NDF:55.2/43

Out: 59.741+/-73.458 χ^2/NDF:60.0/51

All: 61.772+/-52.520 χ^2/NDF: 115.2/95



Right In: 735.757+/-0.169 χ^2/NDF: 2231154.4/20

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 815.240+/-0.170 χ^2/NDF: 2457996.4/26

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

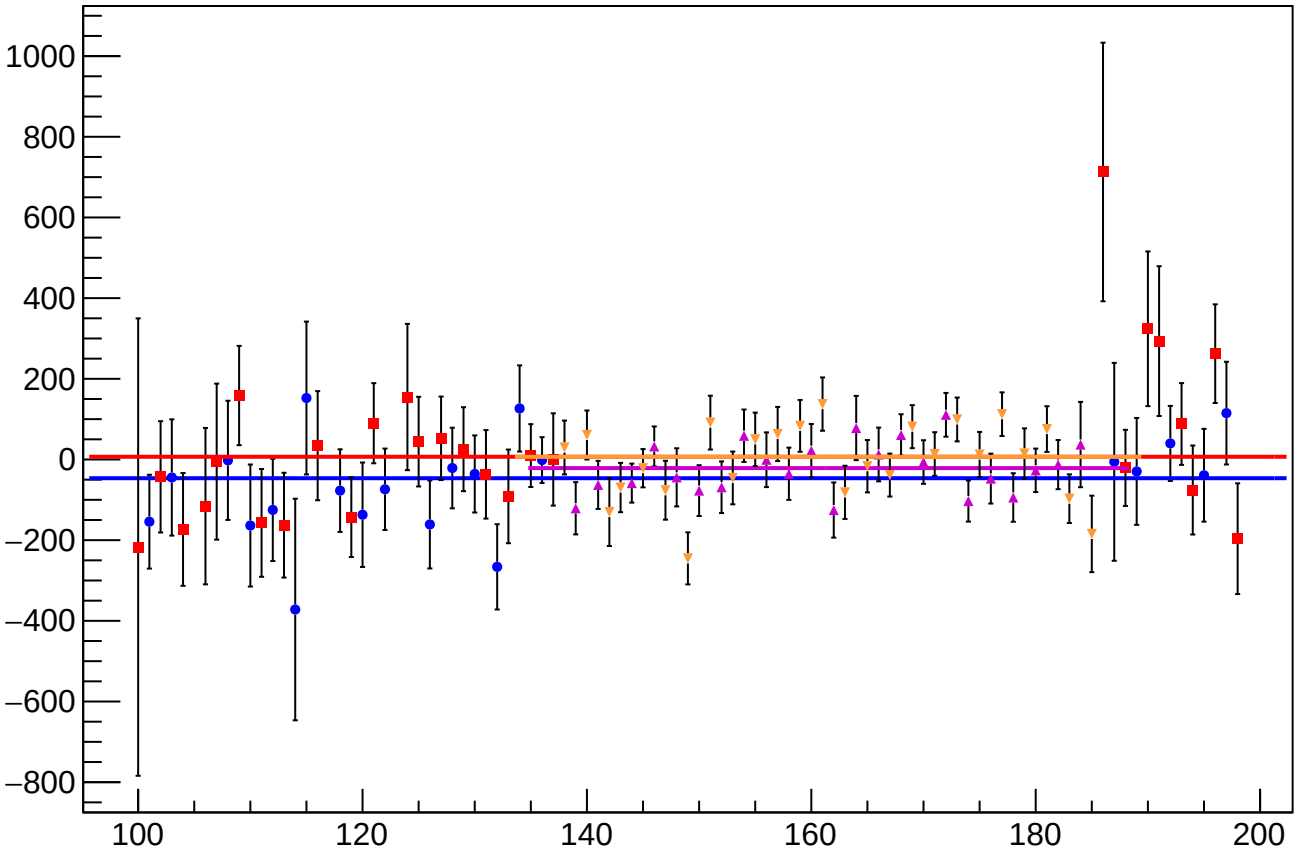
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

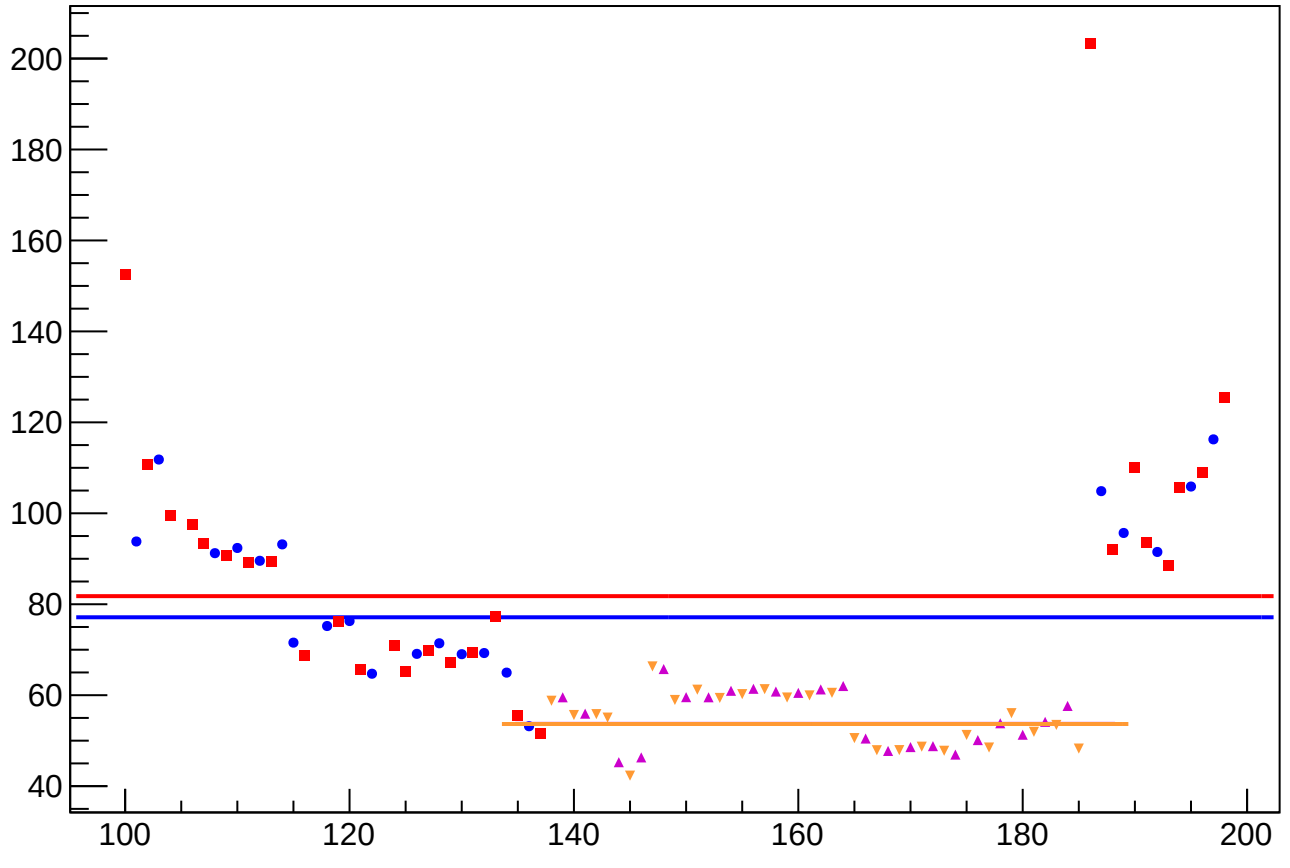
Right: 775.215+/-0.120 χ^2/NDF: 4798861.5/47

In: 371.001+/-0.053 χ^2/NDF:8720574.1/43

Out: 375.517+/-0.052 χ^2/NDF:11562687.8/51

All: 373.310+/-0.037 χ^2/NDF: 20286956.1/95


eigen_cor_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
−800
100
120
140
160
180
200
Right In: -46.410+/-24.421 χ²/NDF: 16.4/20
Left Out: 6.526+/-12.287 χ²/NDF:50.6/24
Right Out: 6.796+/-23.748 χ²/NDF: 29.8/26
Left In: -21.335+/-12.649 χ²/NDF:25.4/22
Left: -7.000+/-8.814 χ²/NDF: 78.5/47
Right: -19.064+/-17.025 χ²/NDF: 48.6/47
In: -26.639+/-11.232 χ²/NDF:42.6/43
Out: 6.583+/-10.913 χ²/NDF:80.4/51
All: -9.550+/-7.827 χ²/NDF: 127.5/95



Right In: 77.133+/-0.017 χ^2/NDF: 1106441.1/20

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 81.781+/-0.017 χ^2/NDF: 1556678.5/26

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

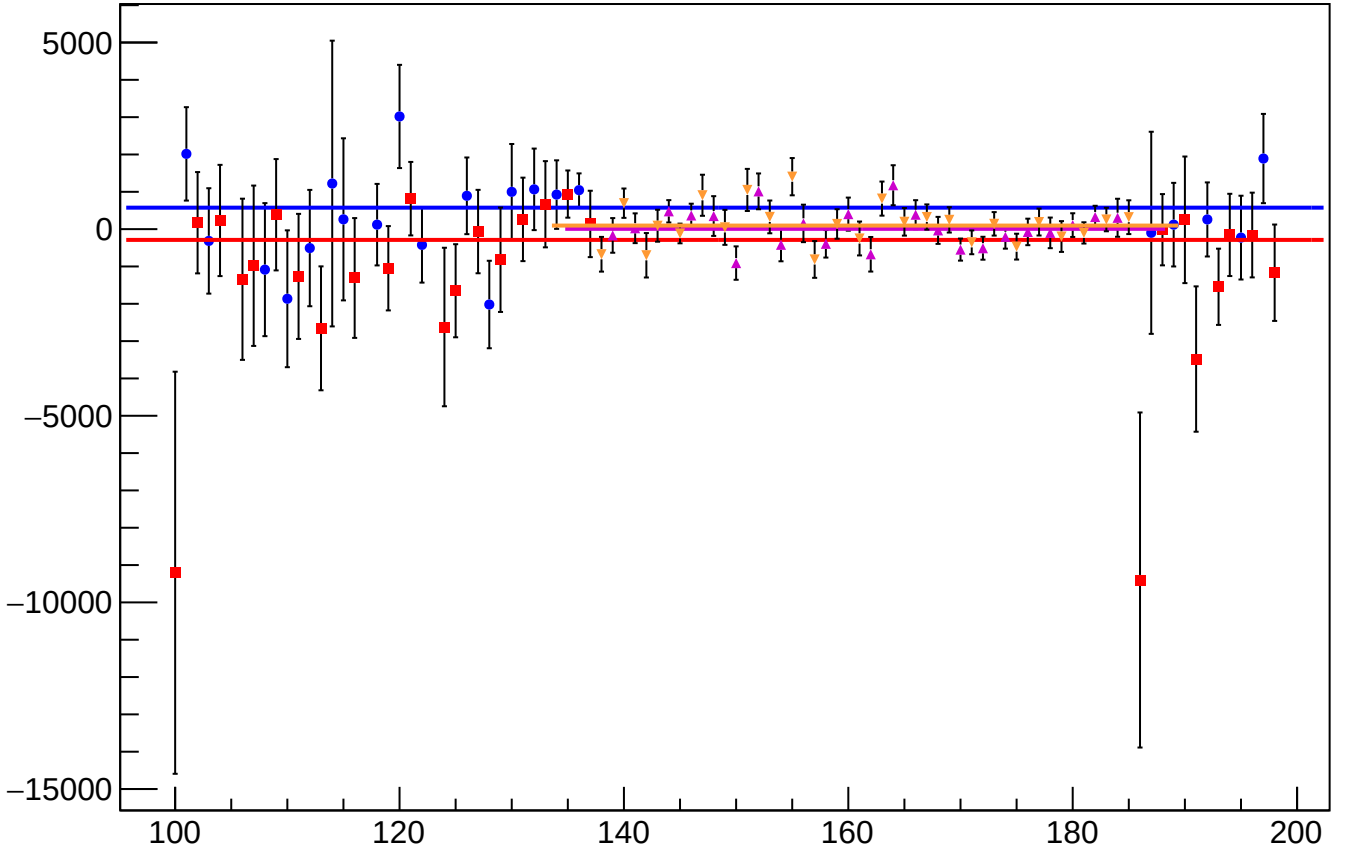
Right: 79.522+/-0.012 χ^2/NDF: 2700349.8/47

In: 58.653+/-0.008 χ^2/NDF:3030426.3/43

Out: 59.603+/-0.008 χ^2/NDF:4240143.2/51

All: 59.141+/-0.006 χ^2/NDF: 7277926.5/95

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 575.480+/-239.109 χ^2/NDF: 17.8/20

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -288.418+/-240.820 χ^2/NDF: 24.5/26

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

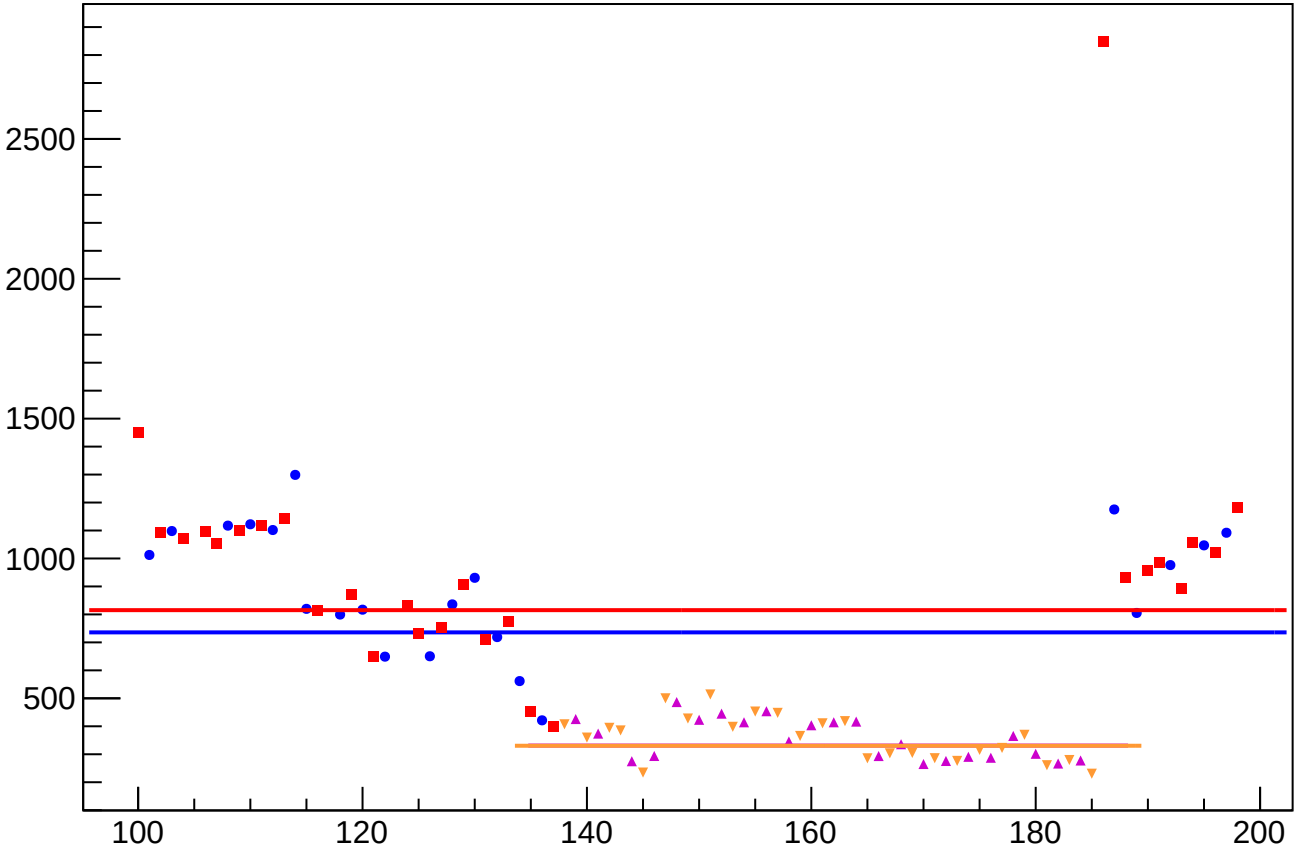
Right: 146.610+/-169.677 χ^2/NDF: 48.8/47

In: 63.897+/-75.119 χ^2/NDF:55.2/43

Out: 59.741+/-73.458 χ^2/NDF:60.0/51

All: 61.772+/-52.520 χ^2/NDF: 115.2/95

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 735.757+/-0.169 χ^2/NDF: 2231154.4/20

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 815.240+/-0.170 χ^2/NDF: 2457996.4/26

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

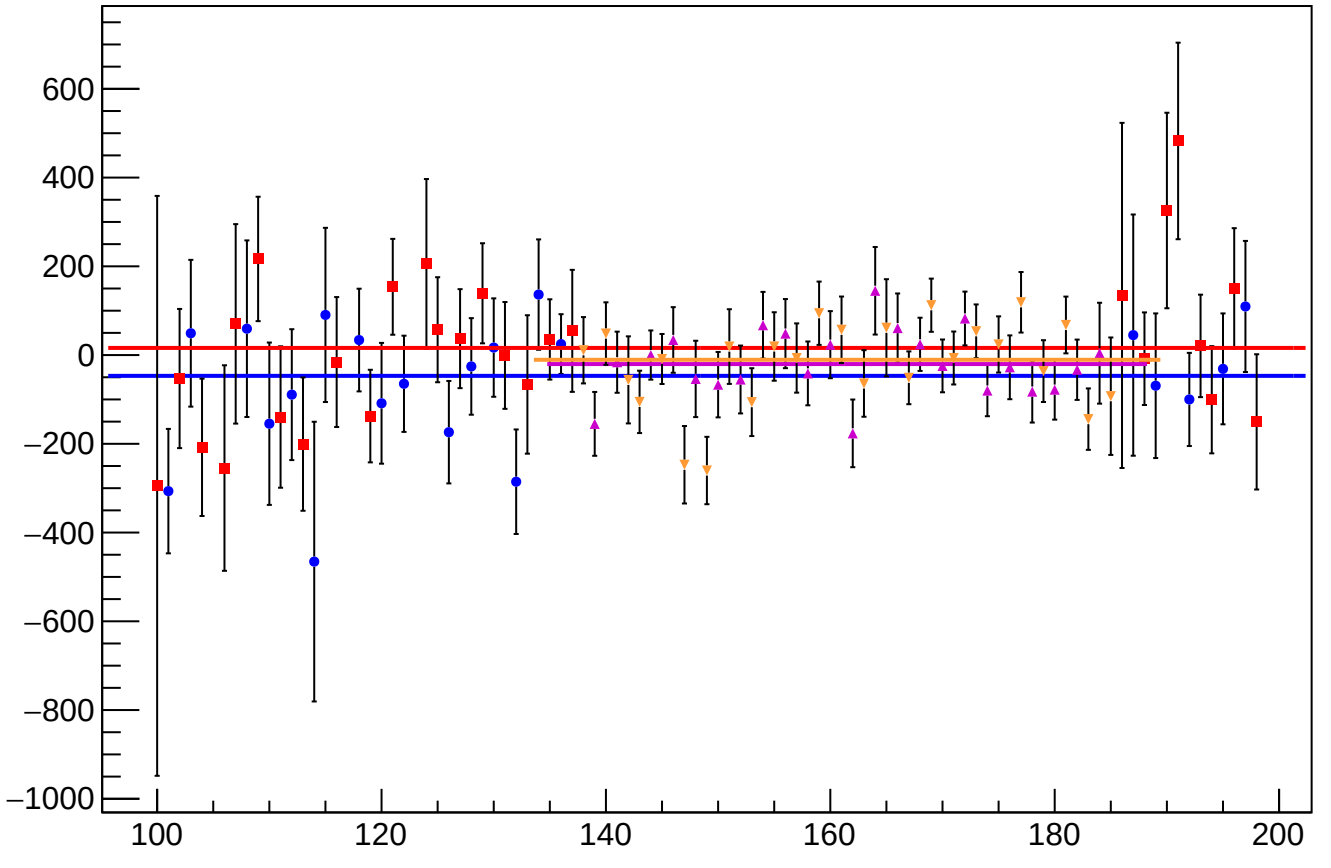
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 775.215+/-0.120 χ^2/NDF: 4798861.5/47

In: 371.001+/-0.053 χ^2/NDF:8720574.1/43

Out: 375.517+/-0.052 χ^2/NDF:11562687.8/51

All: 373.310+/-0.037 χ^2/NDF: 20286956.1/95



Right In: -46.845+/-27.862 χ^2/NDF: 18.0/20

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: 16.102+/-26.676 χ^2/NDF: 25.3/26

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

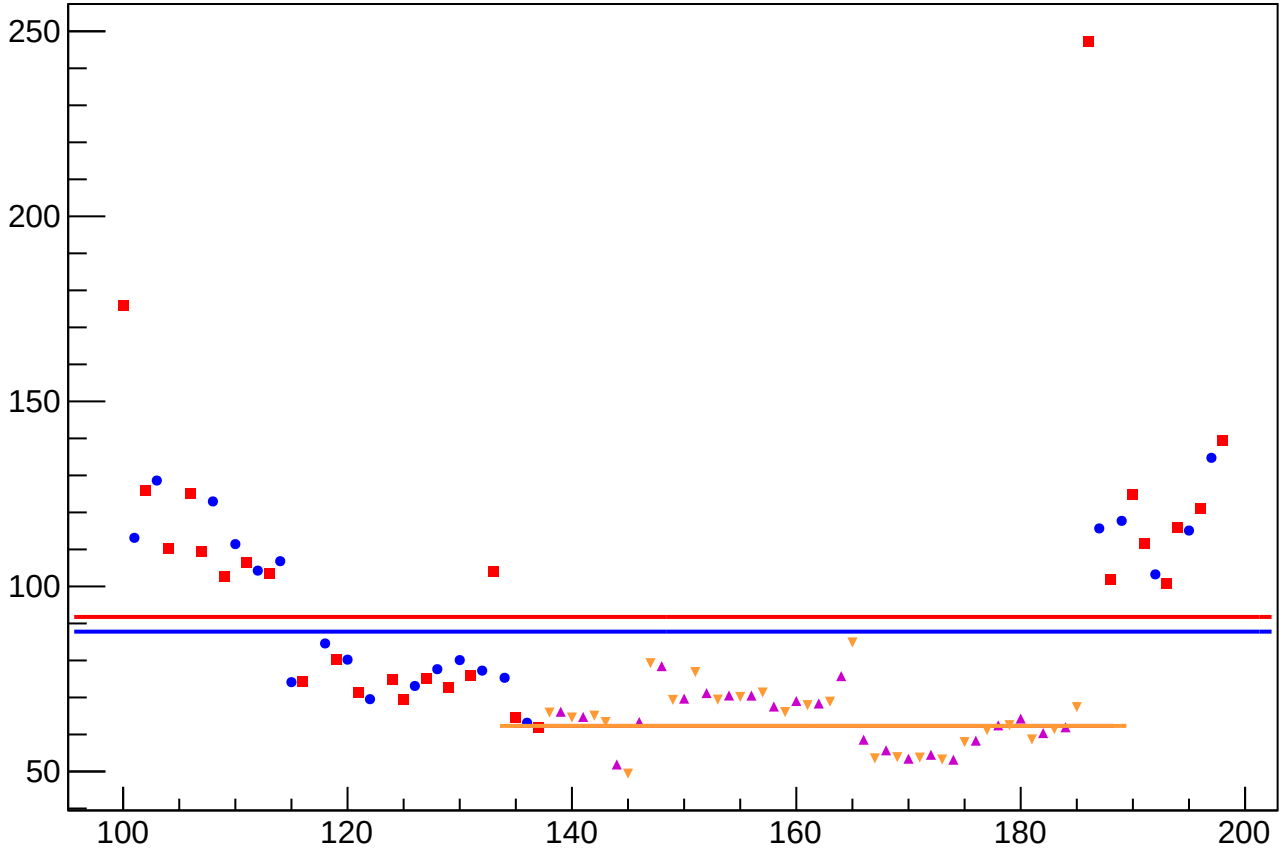
Right: -14.004+/-19.268 χ^2/NDF: 45.9/47

In: -26.116+/-13.036 χ^2/NDF:40.4/43

Out: -4.643+/-12.611 χ^2/NDF:68.3/51

All: -15.024+/-9.064 χ^2/NDF: 110.0/95

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 87.786+/-0.020 χ^2/NDF: 1181823.0/20

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 91.759+/-0.019 χ^2/NDF: 1668090.8/26

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

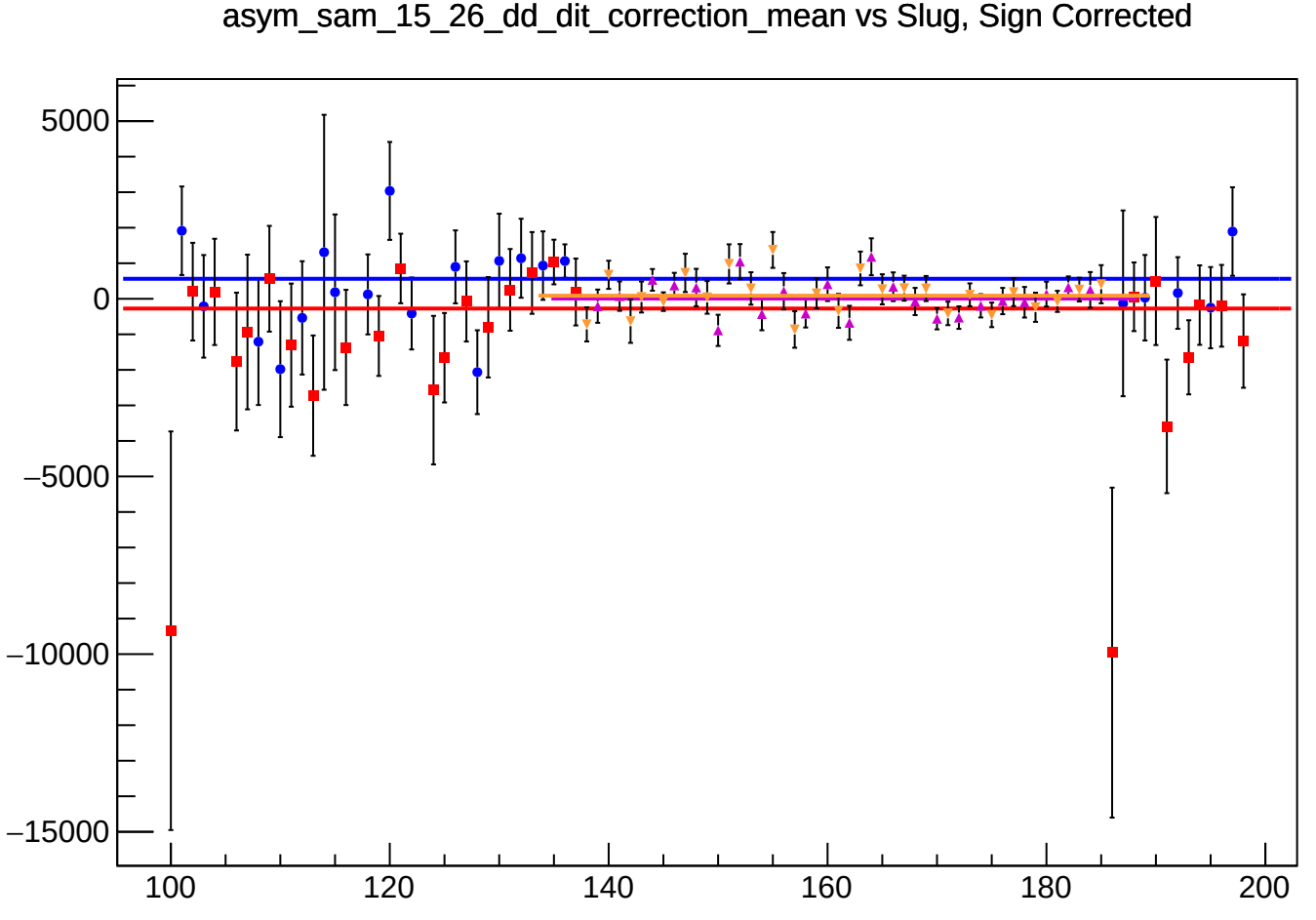
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 89.859+/-0.014 χ^2/NDF: 2871124.4/47

In: 67.887+/-0.009 χ^2/NDF:2972494.3/43

Out: 68.896+/-0.009 χ^2/NDF:4196263.4/51

All: 68.409+/-0.006 χ^2/NDF: 7174943.3/95



Right In: 563.122+/-245.791 χ^2/NDF: 17.9/20

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -274.023+/-243.141 χ^2/NDF: 26.7/26

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

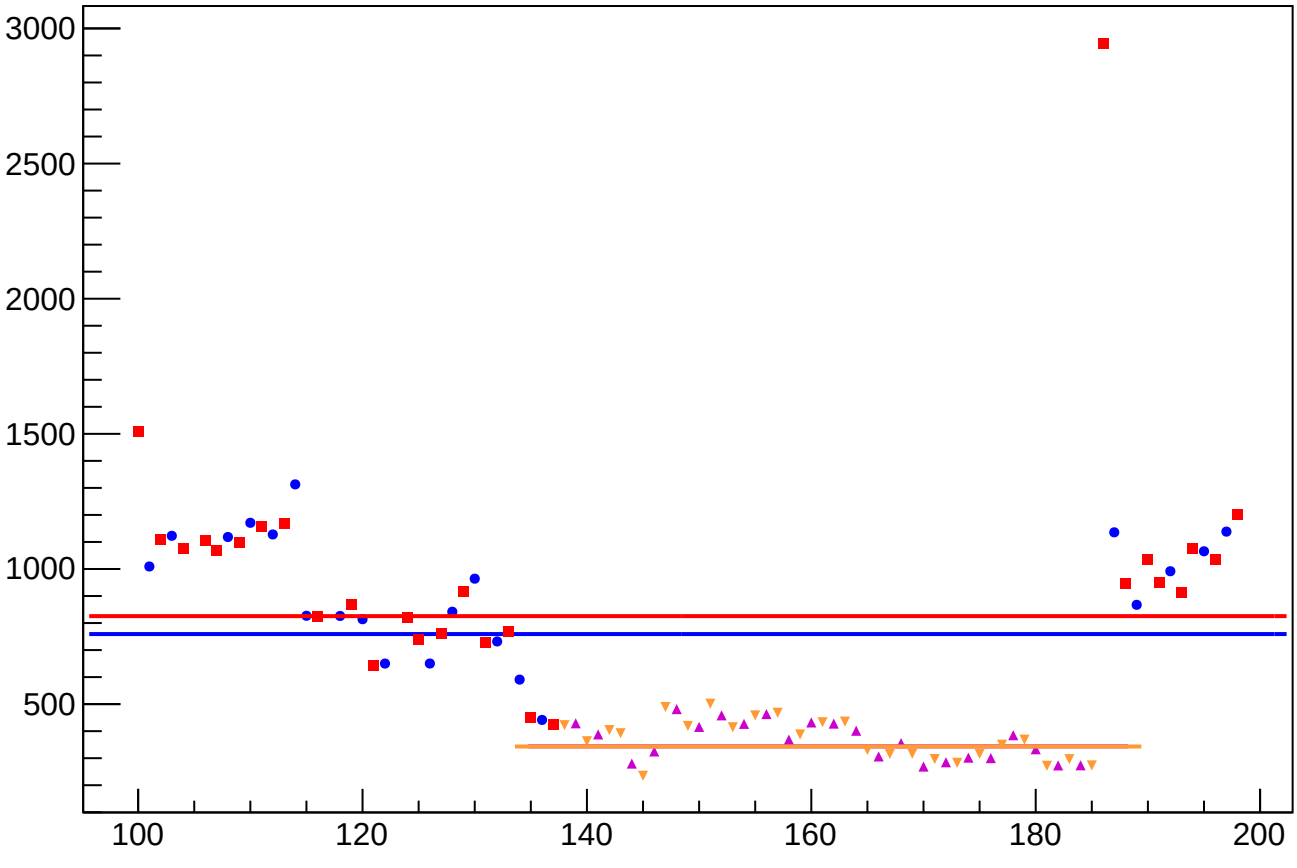
Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

Right: 140.012+/-172.856 χ^2/NDF: 50.4/47

In: 62.380+/-77.880 χ^2/NDF:54.9/43

Out: 51.850+/-75.852 χ^2/NDF:60.3/51

All: 56.976+/-54.338 χ^2/NDF: 115.2/95



Right In: 759.223+/-0.174 χ^2/NDF: 2113490.7/20

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 825.572+/-0.172 χ^2/NDF: 2483056.9/26

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

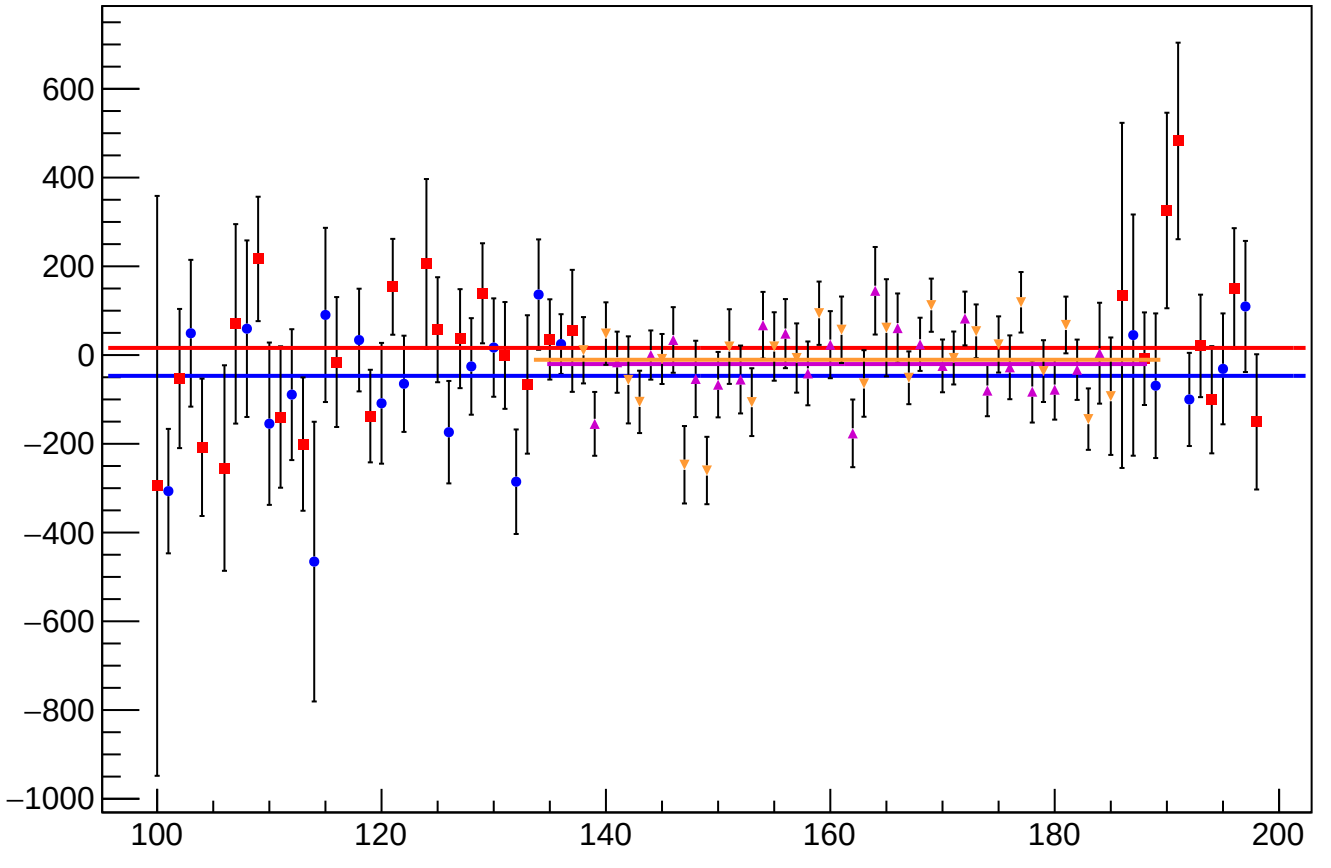
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 792.757+/-0.122 χ^2/NDF: 4670205.9/47

In: 385.432+/-0.055 χ^2/NDF:8513514.3/43

Out: 390.169+/-0.054 χ^2/NDF:11183453.2/51

All: 387.863+/-0.038 χ^2/NDF: 19700764.3/95



Right In: -46.846+/-27.861 χ^2/NDF: 18.0/20

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: 16.102+/-26.676 χ^2/NDF: 25.3/26

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

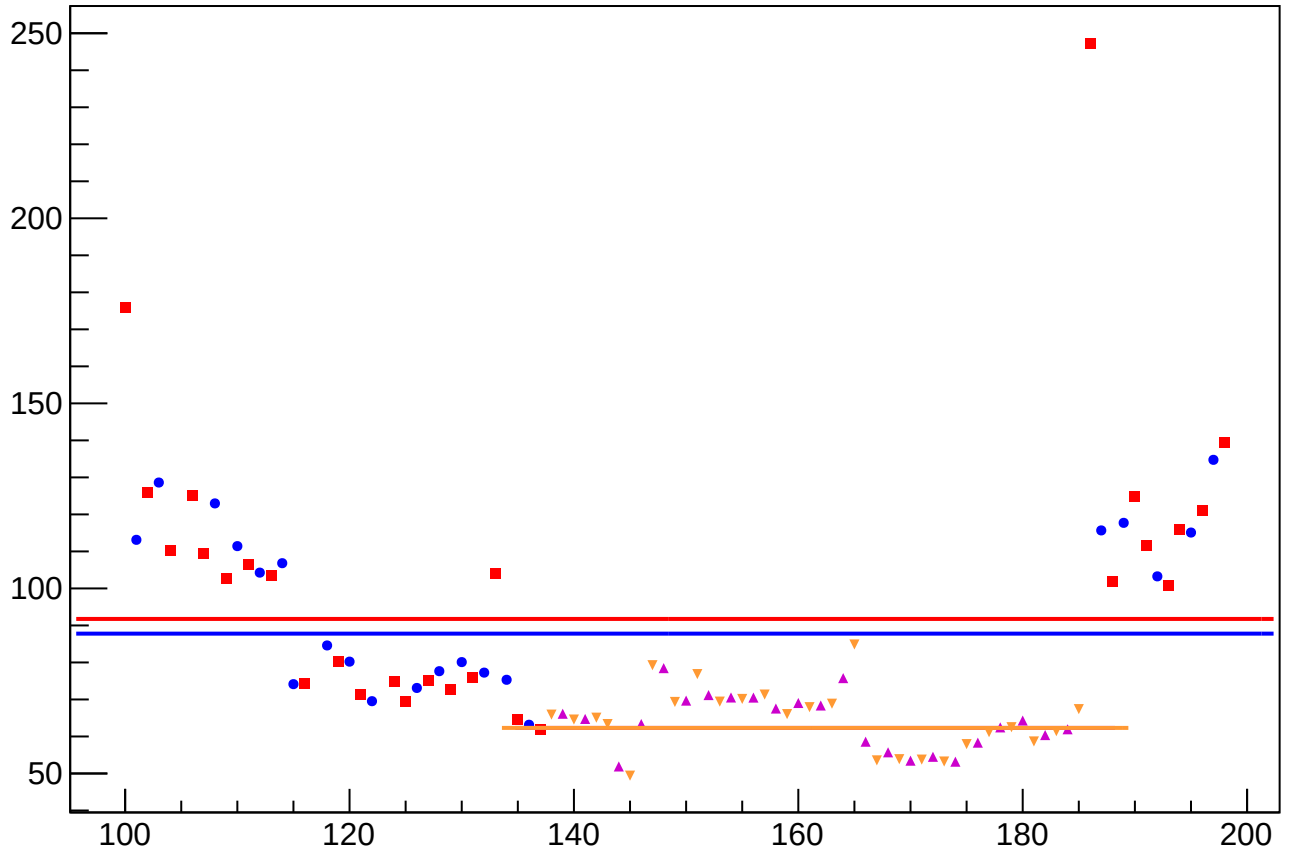
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -14.004+/-19.268 χ^2/NDF: 45.9/47

In: -26.116+/-13.036 χ^2/NDF:40.4/43

Out: -4.643+/-12.611 χ^2/NDF:68.3/51

All: -15.023+/-9.064 χ^2/NDF: 110.0/95



Right In: 87.786+/-0.020 χ^2/NDF: 1181832.7/20

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

Right Out: 91.758+/-0.019 χ^2/NDF: 1668082.3/26

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

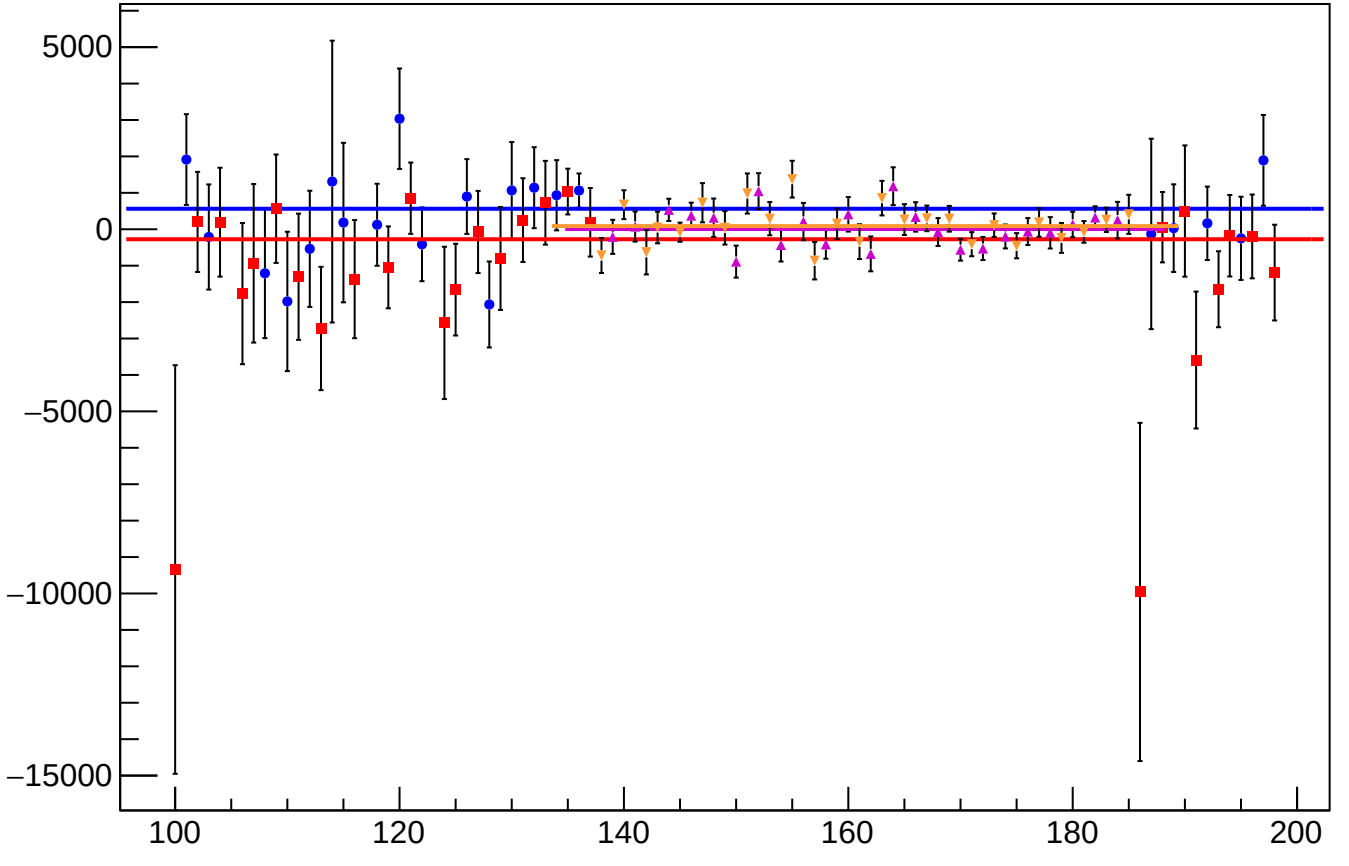
Right: 89.859+/-0.014 χ^2/NDF: 2871127.6/47

In: 67.888+/-0.009 χ^2/NDF:2972444.1/43

Out: 68.896+/-0.009 χ^2/NDF:4196222.3/51

All: 68.409+/-0.006 χ^2/NDF: 7174850.9/95

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 563.121+/-245.791 χ^2/NDF: 17.9/20

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -274.024+/-243.141 χ^2/NDF: 26.7/26

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

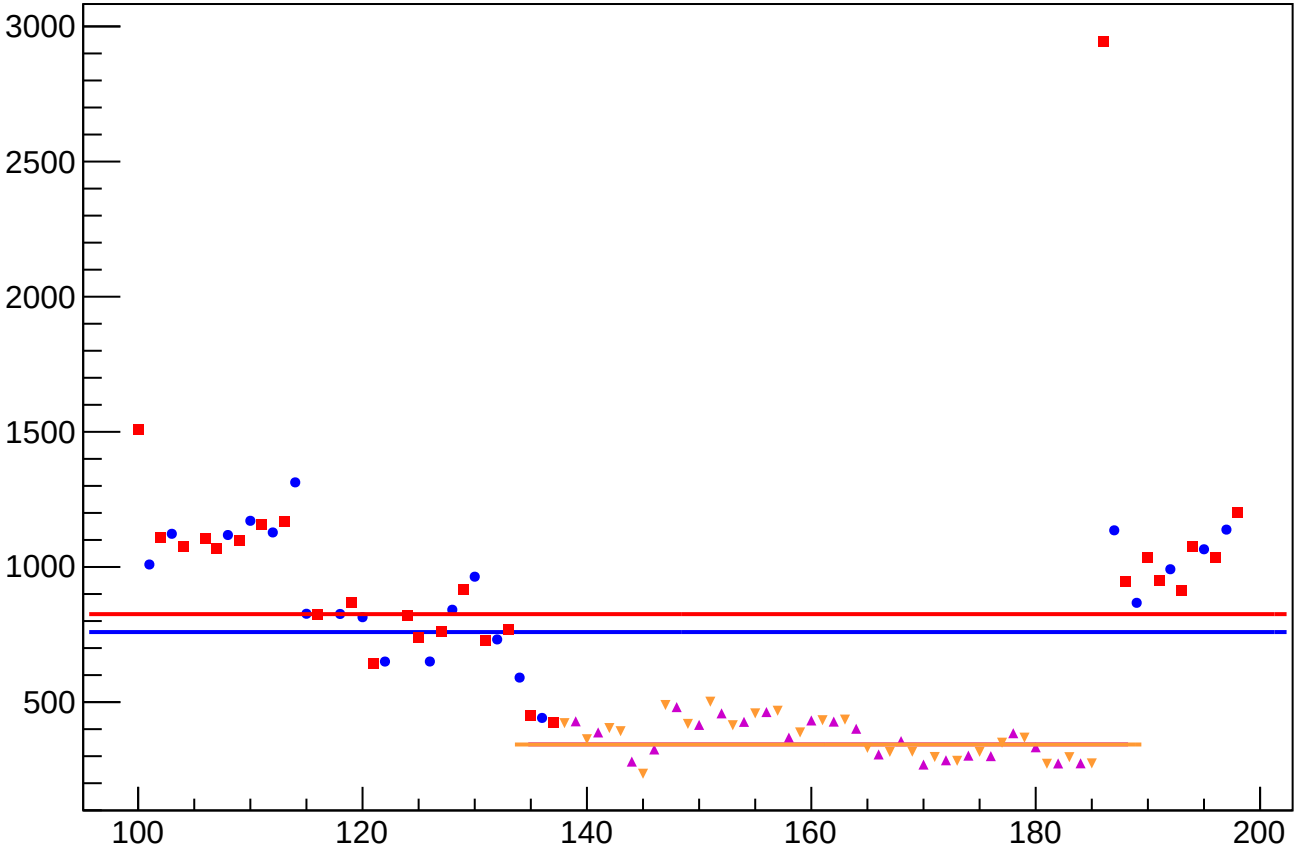
Right: 140.011+/-172.856 χ^2/NDF: 50.4/47

In: 62.380+/-77.880 χ^2/NDF:54.9/43

Out: 51.850+/-75.852 χ^2/NDF:60.3/51

All: 56.976+/-54.338 χ^2/NDF: 115.2/95

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 759.222+/-0.174 χ^2/NDF: 2113480.1/20

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 825.571+/-0.172 χ^2/NDF: 2483052.4/26

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

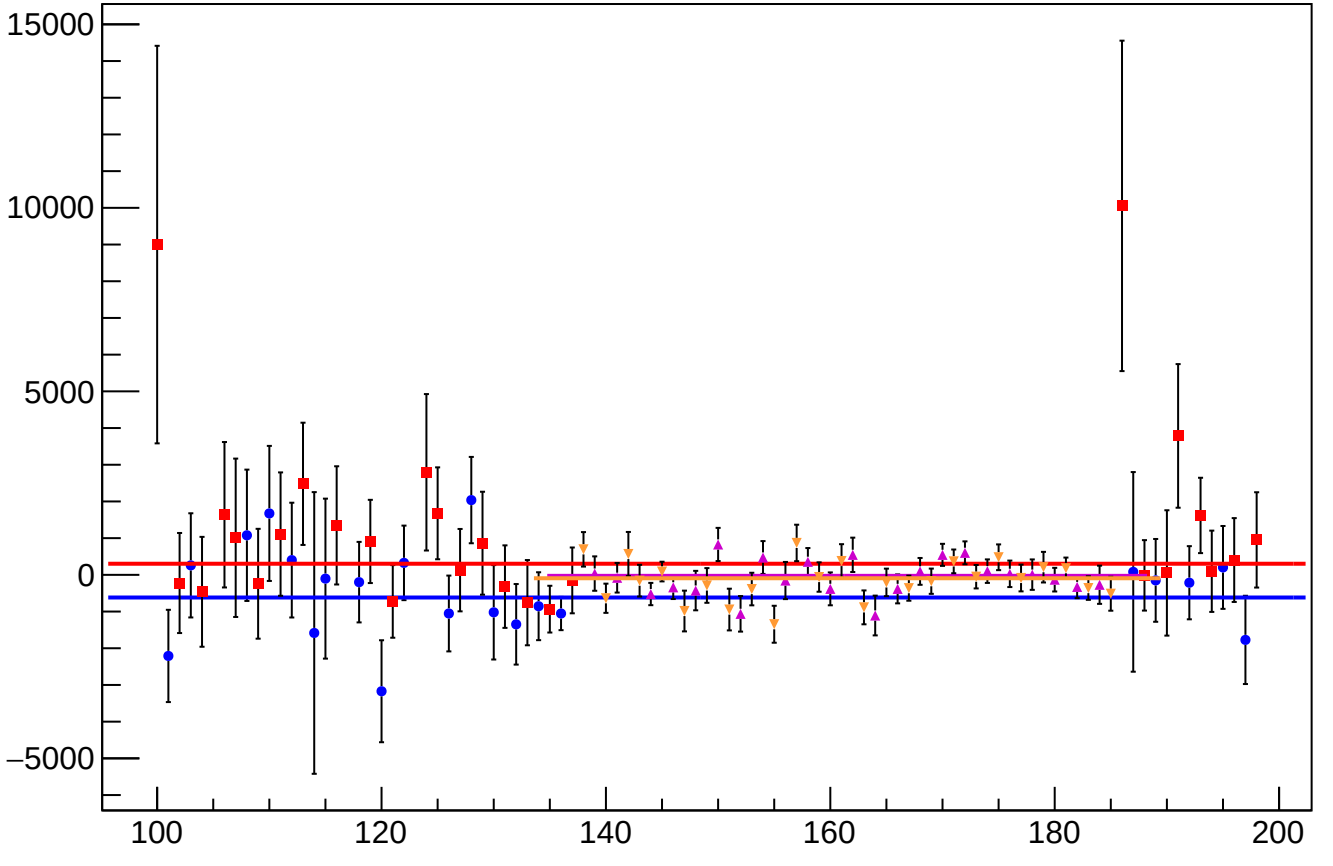
Right: 792.756+/-0.122 χ^2/NDF: 4670191.0/47

In: 385.432+/-0.055 χ^2/NDF:8513506.6/43

Out: 390.169+/-0.054 χ^2/NDF:11183457.1/51

All: 387.863+/-0.038 χ^2/NDF: 19700760.2/95

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -617.293+/-240.566 χ^2/NDF: 18.0/20

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: 302.738+/-241.835 χ^2/NDF: 25.3/26

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

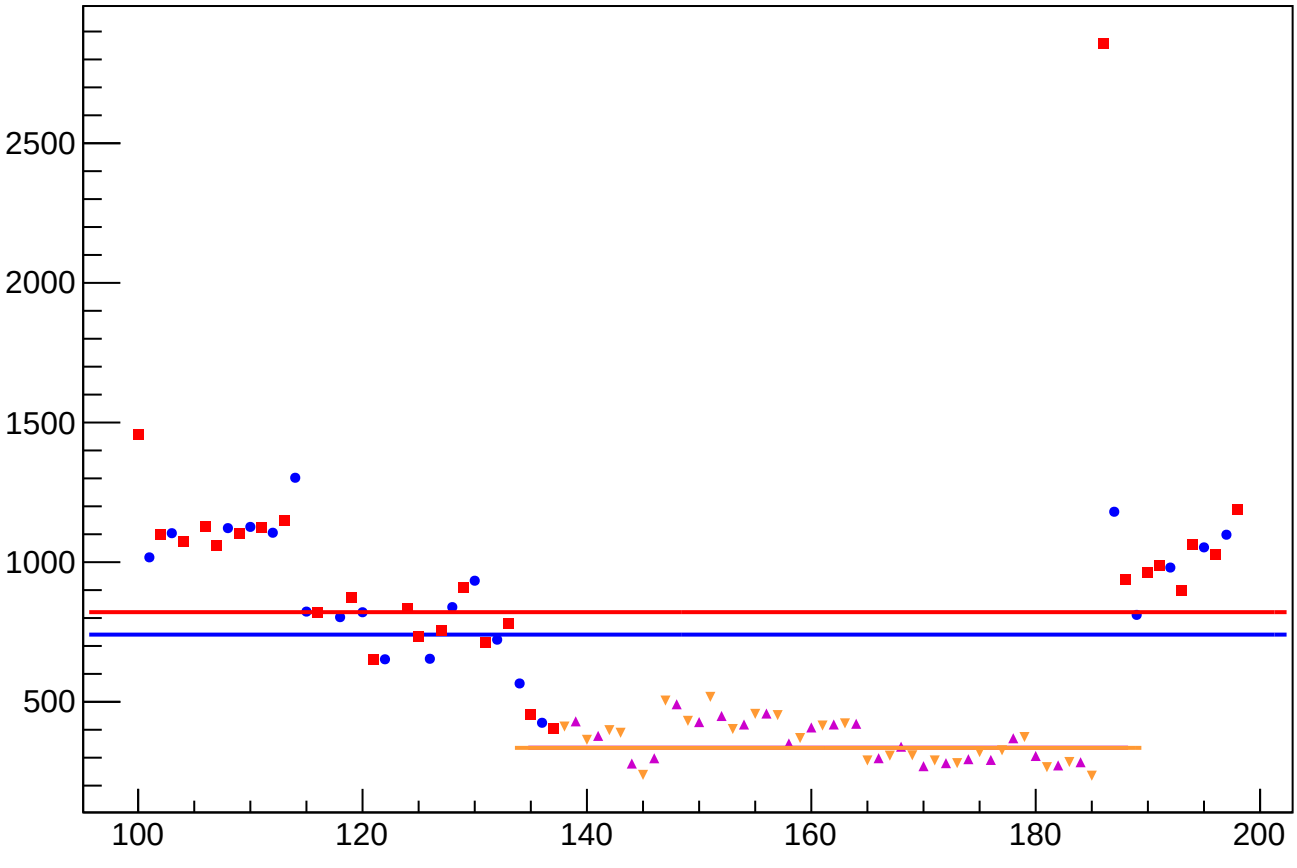
Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

Right: -159.697+/-170.553 χ^2/NDF: 50.6/47

In: -86.210+/-76.090 χ^2/NDF:54.3/43

Out: -55.254+/-74.393 χ^2/NDF:61.9/51

All: -70.383+/-53.194 χ^2/NDF: 116.3/95



Right In: 740.651+/-0.170 χ^2/NDF: 2210986.7/20

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

Right Out: 821.067+/-0.171 χ^2/NDF: 2457508.8/26

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

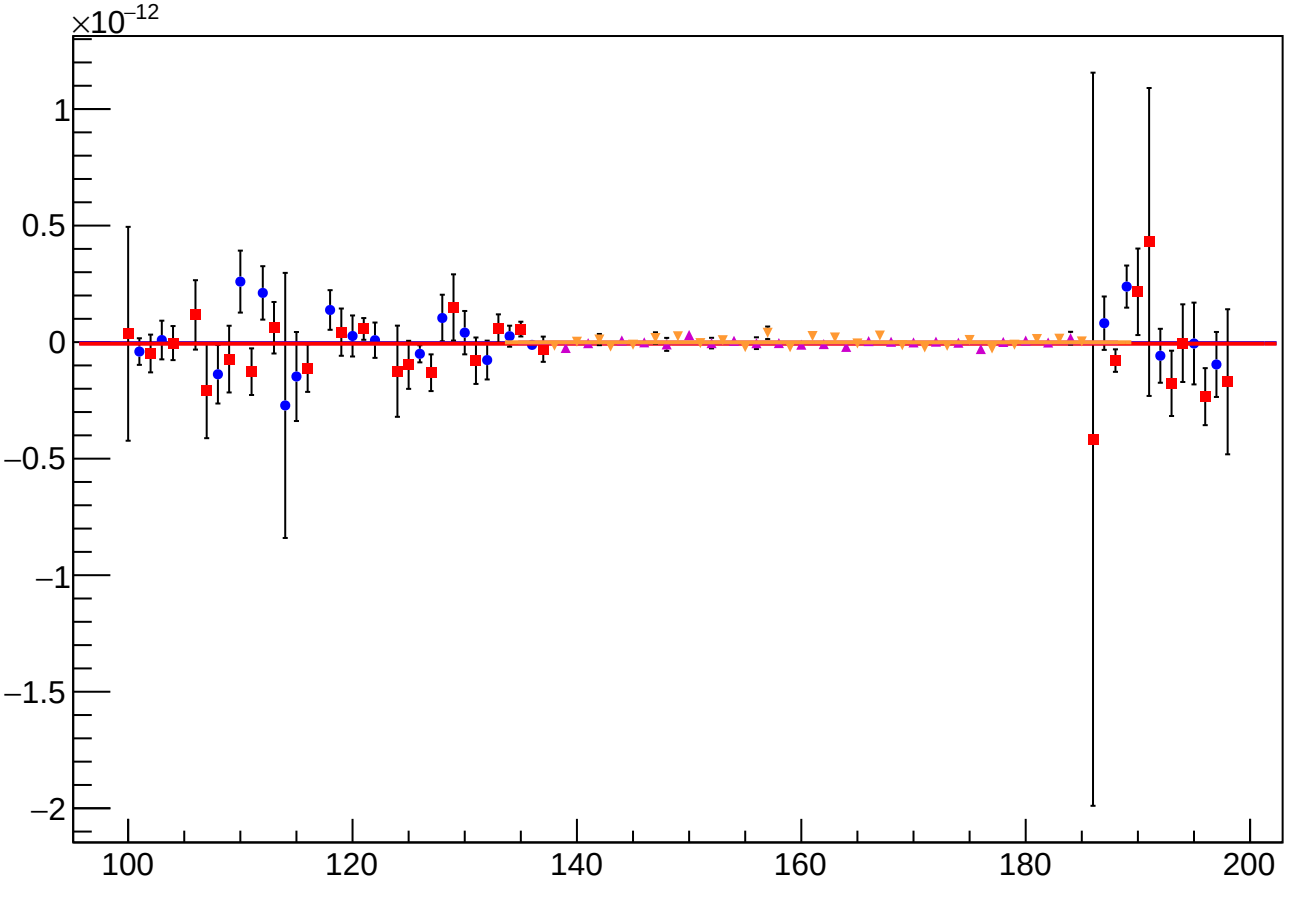
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 780.647+/-0.121 χ^2/NDF: 4779648.6/47

In: 376.291+/-0.054 χ^2/NDF:8600382.2/43

Out: 381.132+/-0.053 χ^2/NDF:11473957.5/51

All: 378.766+/-0.038 χ^2/NDF: 20078479.3/95



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/26

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

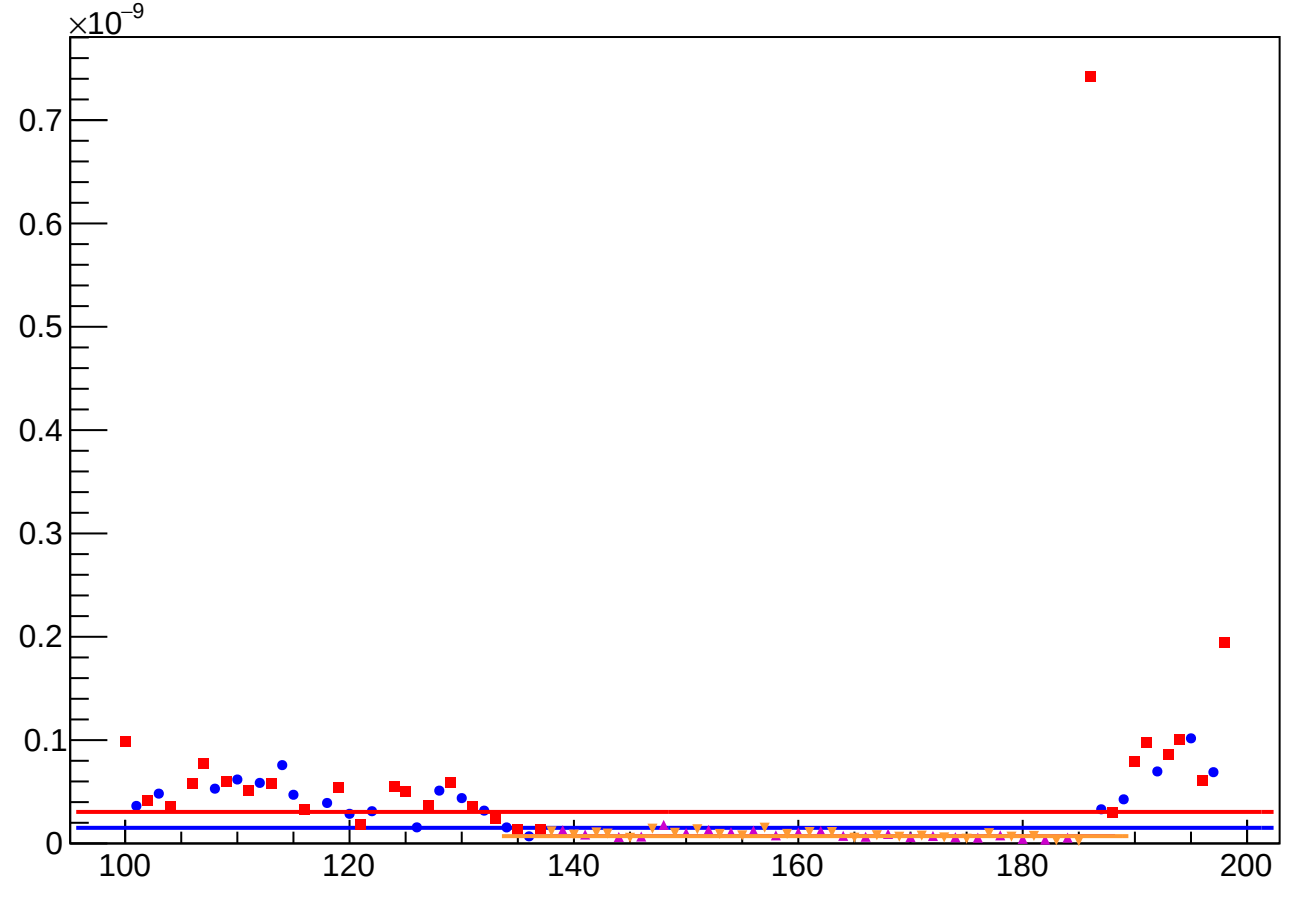
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 52.9/47

In: -0.000+/-0.000 χ^2/NDF:40.5/43

Out: -0.000+/-0.000 χ^2/NDF:60.5/51

All: -0.000+/-0.000 χ^2/NDF: 101.1/95



Right In: 0.000+/-0.000 χ^2/NDF: 4556177.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3722371.3/26

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

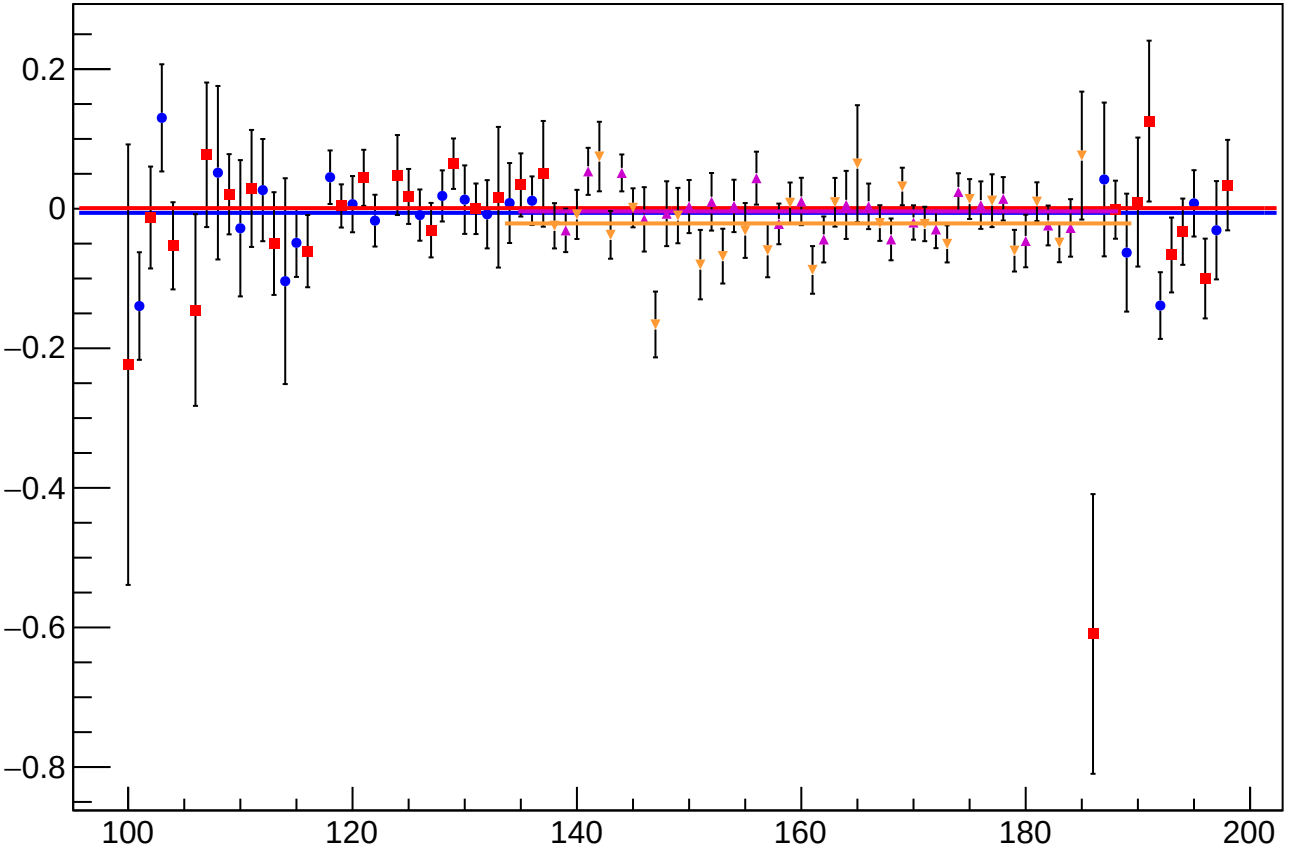
Right: 0.000+/-0.000 χ^2/NDF: 9604371.3/47

In: 0.000+/-0.000 χ^2/NDF:7254658.8/43

Out: 0.000+/-0.000 χ^2/NDF:9937281.9/51

All: 0.000+/-0.000 χ^2/NDF: 17191988.6/95

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.011 χ^2/NDF: 19.3/20

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.001+/-0.010 χ^2/NDF: 27.8/26

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

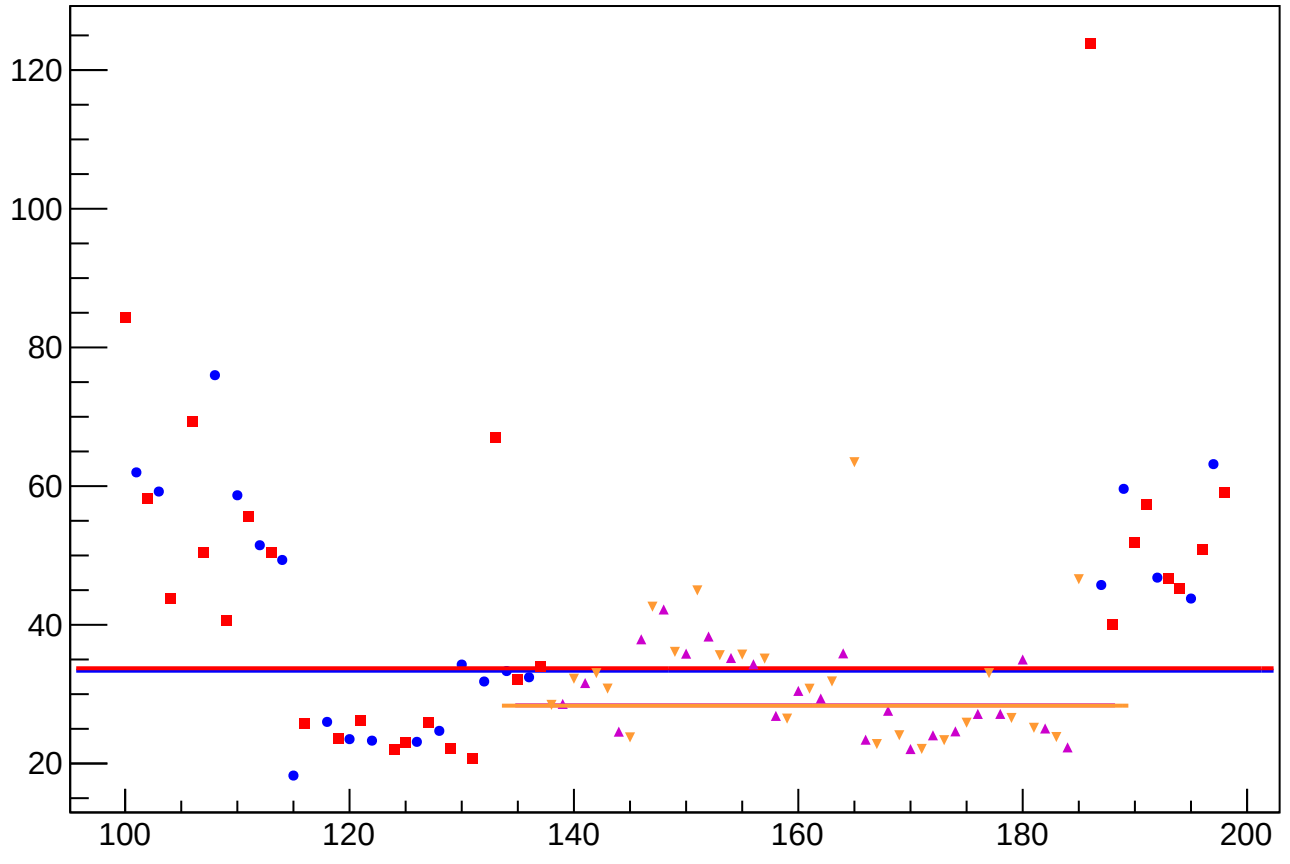
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: -0.002+/-0.008 χ^2/NDF: 47.2/47

In: -0.004+/-0.006 χ^2/NDF:38.0/43

Out: -0.015+/-0.006 χ^2/NDF:68.1/51

All: -0.010+/-0.004 χ^2/NDF: 107.7/95



Right In: 33.382+/-0.008 χ^2/NDF: 2652230.6/20

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 33.733+/-0.007 χ^2/NDF: 3442055.3/26

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

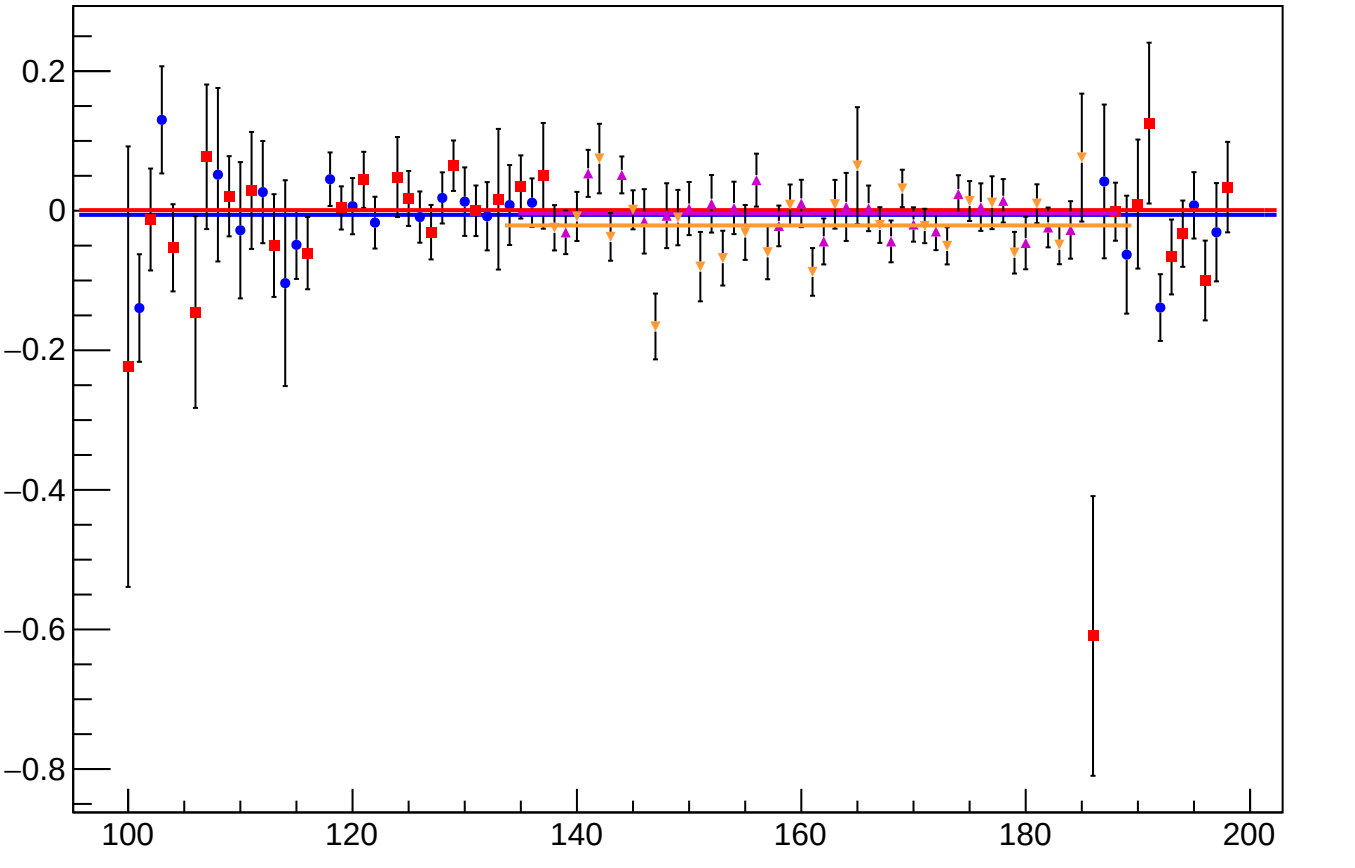
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 33.571+/-0.005 χ^2/NDF: 6095343.8/47

In: 29.747+/-0.004 χ^2/NDF:4039081.8/43

Out: 29.919+/-0.004 χ^2/NDF:5557920.4/51

All: 29.836+/-0.003 χ^2/NDF: 9597904.8/95



Right In: -0.006+/-0.011 χ^2/NDF: 19.3/20

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.001+/-0.010 χ^2/NDF: 27.8/26

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

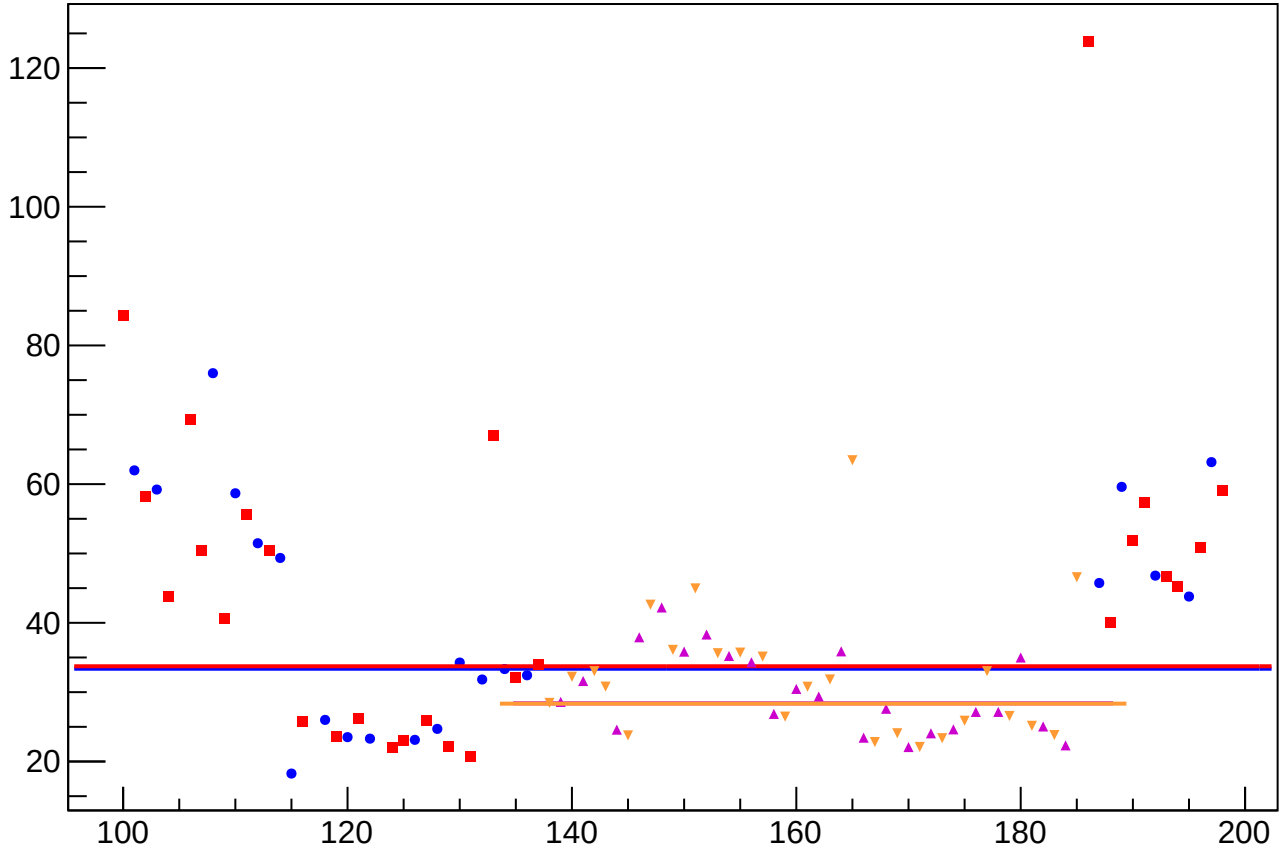
Right: -0.002+/-0.008 χ^2/NDF: 47.2/47

In: -0.004+/-0.006 χ^2/NDF:38.0/43

Out: -0.015+/-0.006 χ^2/NDF:68.1/51

All: -0.010+/-0.004 χ^2/NDF: 107.7/95

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.382+/-0.008 χ^2/NDF: 2652230.6/20

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 33.733+/-0.007 χ^2/NDF: 3442055.3/26

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

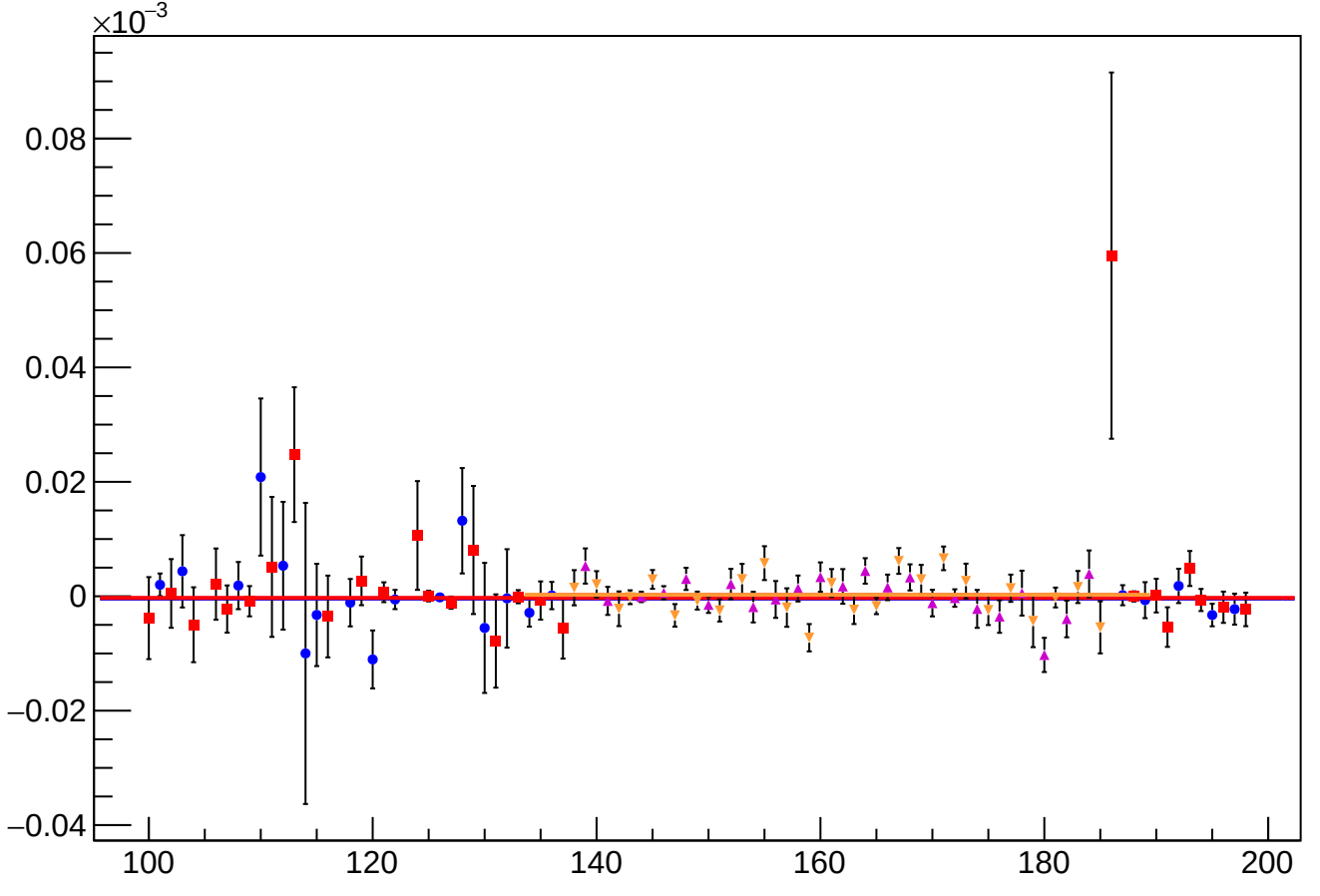
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 33.571+/-0.005 χ^2/NDF: 6095343.8/47

In: 29.747+/-0.004 χ^2/NDF:4039081.8/43

Out: 29.919+/-0.004 χ^2/NDF:5557920.4/51

All: 29.836+/-0.003 χ^2/NDF: 9597904.8/95



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/26

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

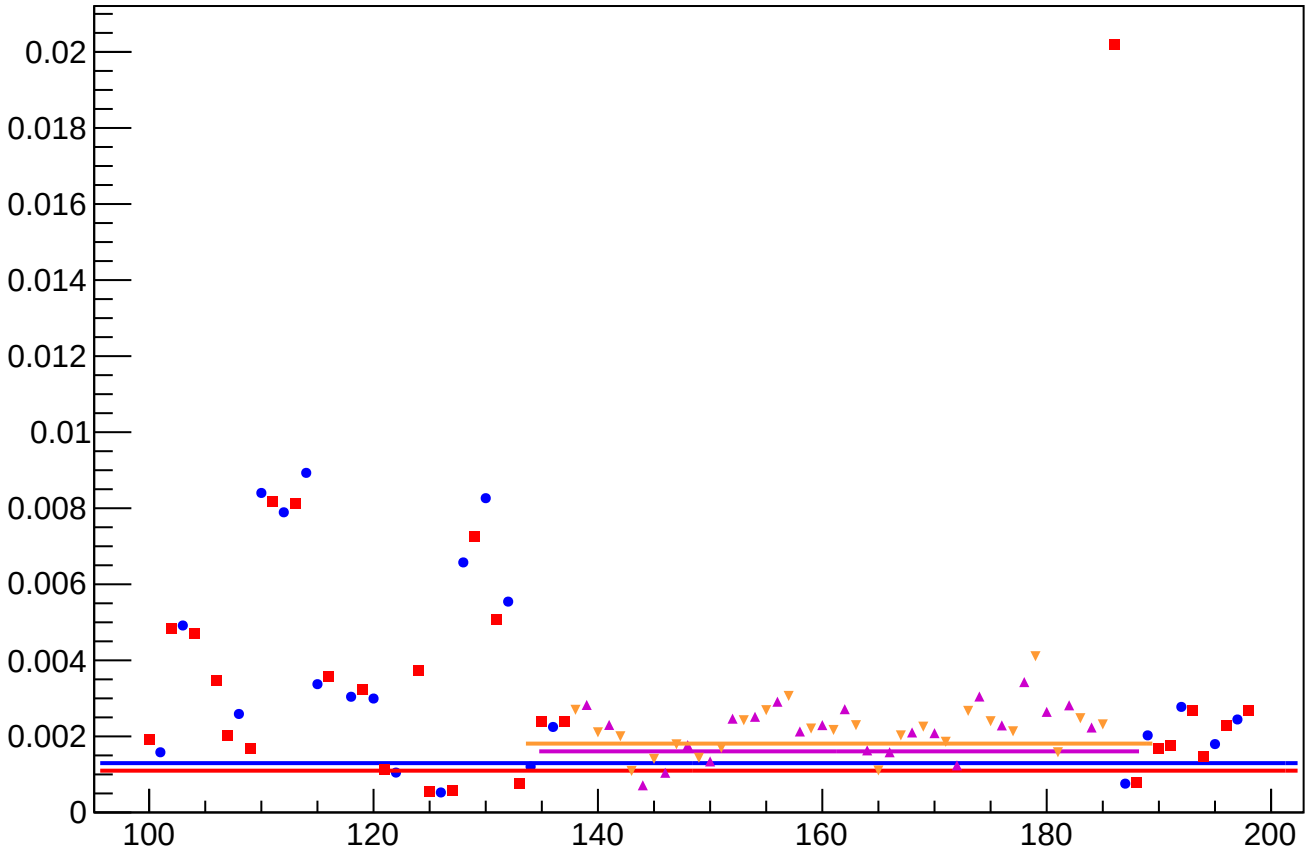
Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

Right: -0.000+/-0.000 χ^2/NDF: 37.4/47

In: -0.000+/-0.000 χ^2/NDF:50.6/43

Out: -0.000+/-0.000 χ^2/NDF:72.5/51

All: -0.000+/-0.000 χ^2/NDF: 123.1/95



Right In: 0.001+/-0.000 χ^2/NDF: 8245158.0/20

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9683486.2/26

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

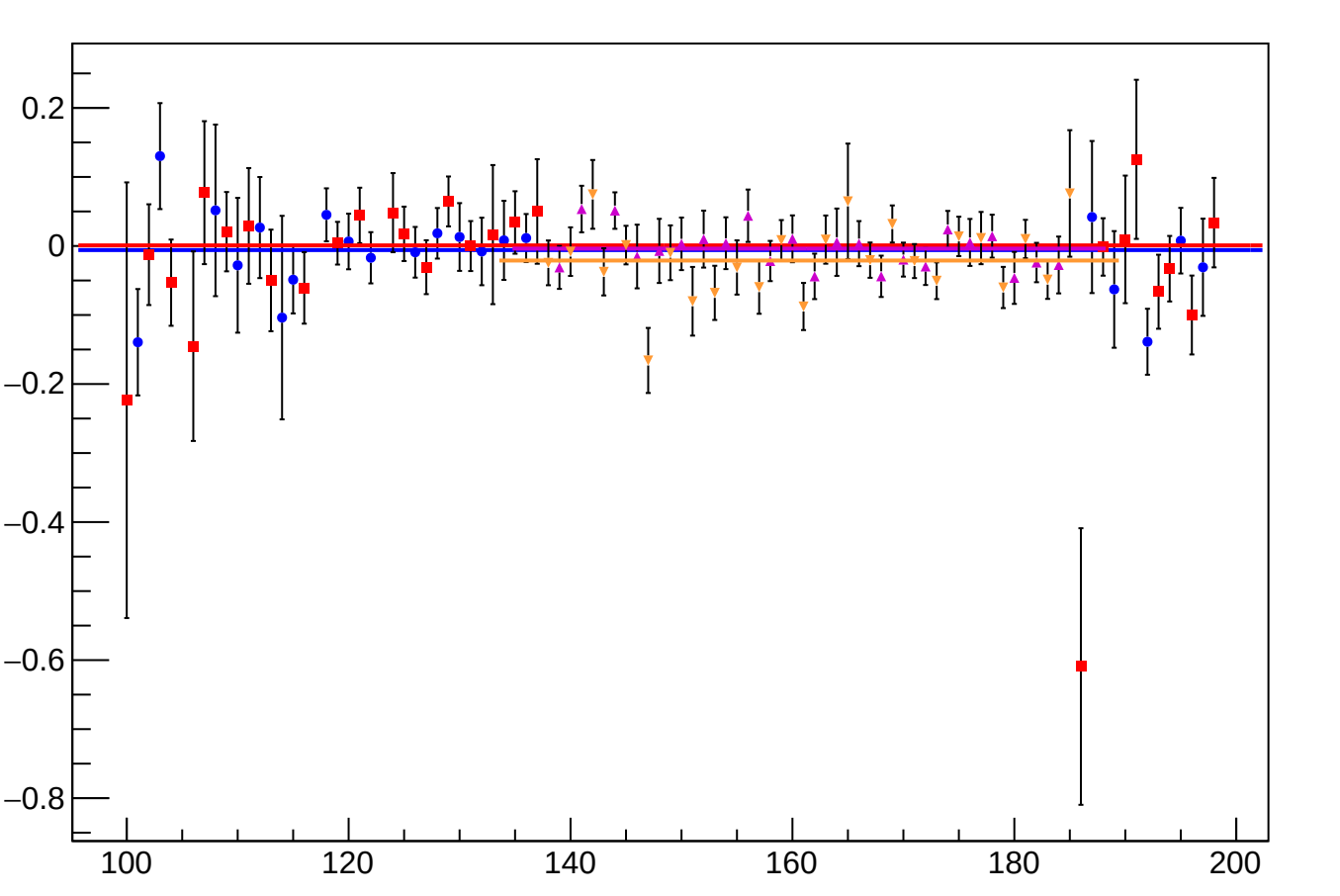
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 18101748.4/47

In: 0.001+/-0.000 χ^2/NDF:14697323.8/43

Out: 0.001+/-0.000 χ^2/NDF:15908566.4/51

All: 0.001+/-0.000 χ^2/NDF: 30626464.3/95



Right In: -0.006+/-0.011 χ^2/NDF: 19.3/20

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.001+/-0.010 χ^2/NDF: 27.8/26

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

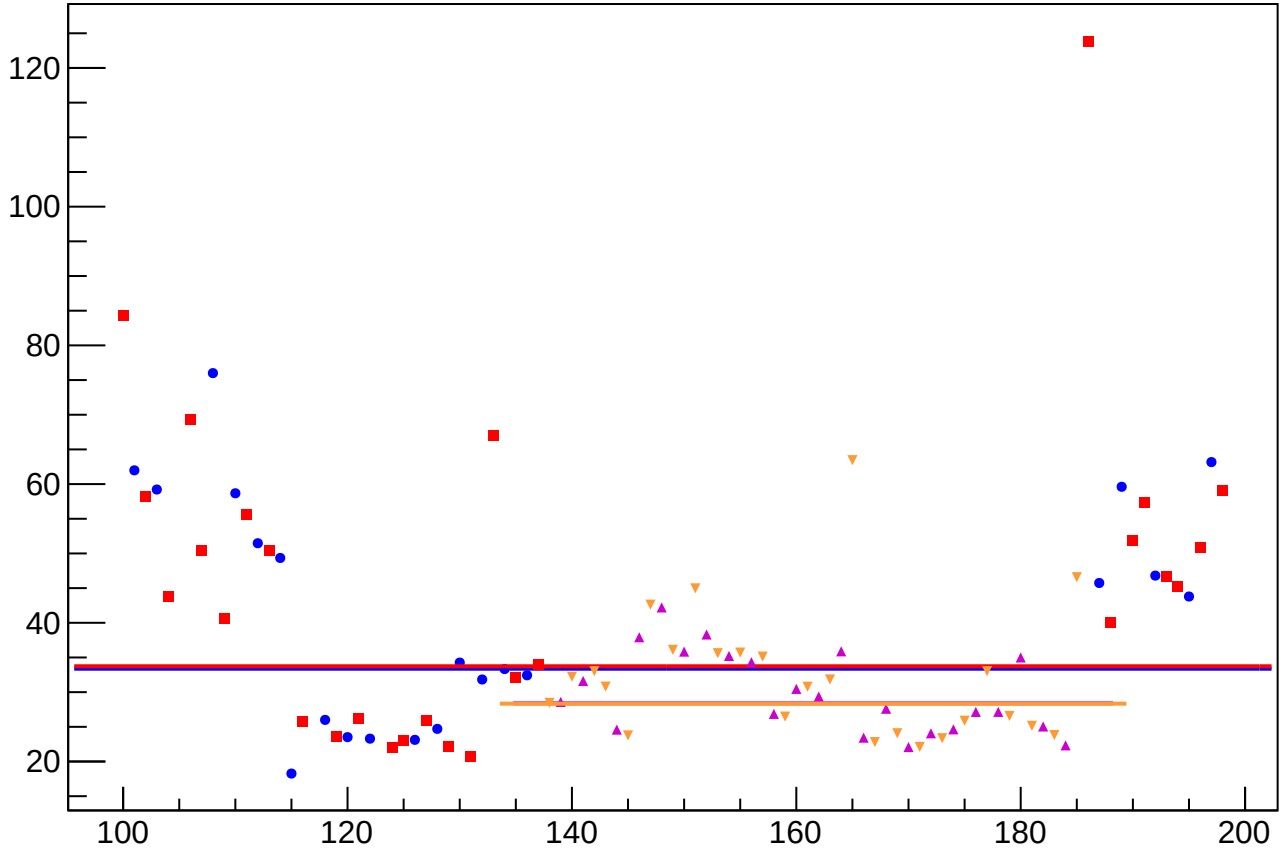
Right: -0.002+/-0.008 χ^2/NDF: 47.2/47

In: -0.004+/-0.006 χ^2/NDF:38.0/43

Out: -0.015+/-0.006 χ^2/NDF:68.1/51

All: -0.010+/-0.004 χ^2/NDF: 107.7/95

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.382+/-0.008 χ^2/NDF: 2652079.5/20

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 33.733+/-0.007 χ^2/NDF: 3442101.4/26

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

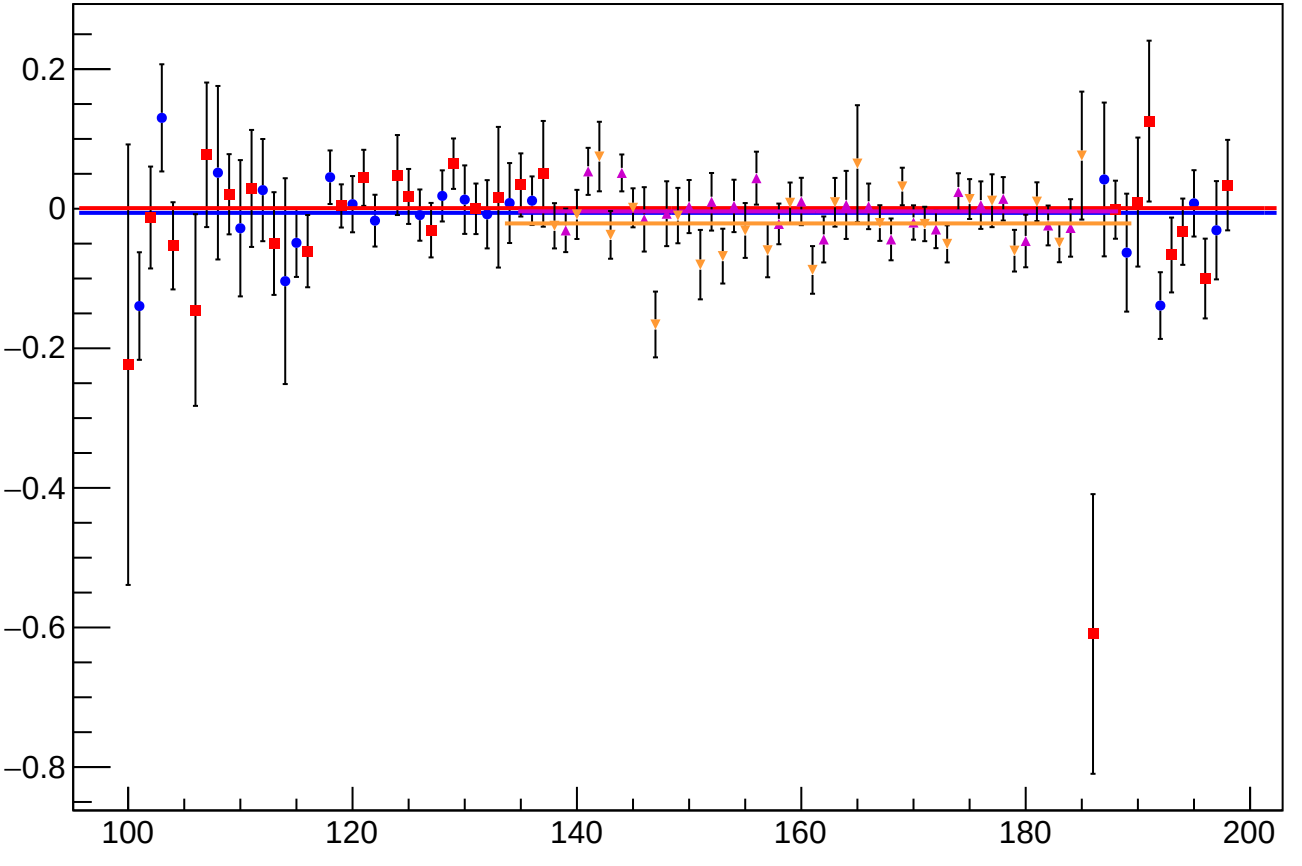
Right: 33.571+/-0.005 χ^2/NDF: 6095235.6/47

In: 29.747+/-0.004 χ^2/NDF:4038908.1/43

Out: 29.919+/-0.004 χ^2/NDF:5557882.5/51

All: 29.837+/-0.003 χ^2/NDF: 9597690.2/95

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.011 χ^2/NDF: 19.3/20

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.001+/-0.010 χ^2/NDF: 27.8/26

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

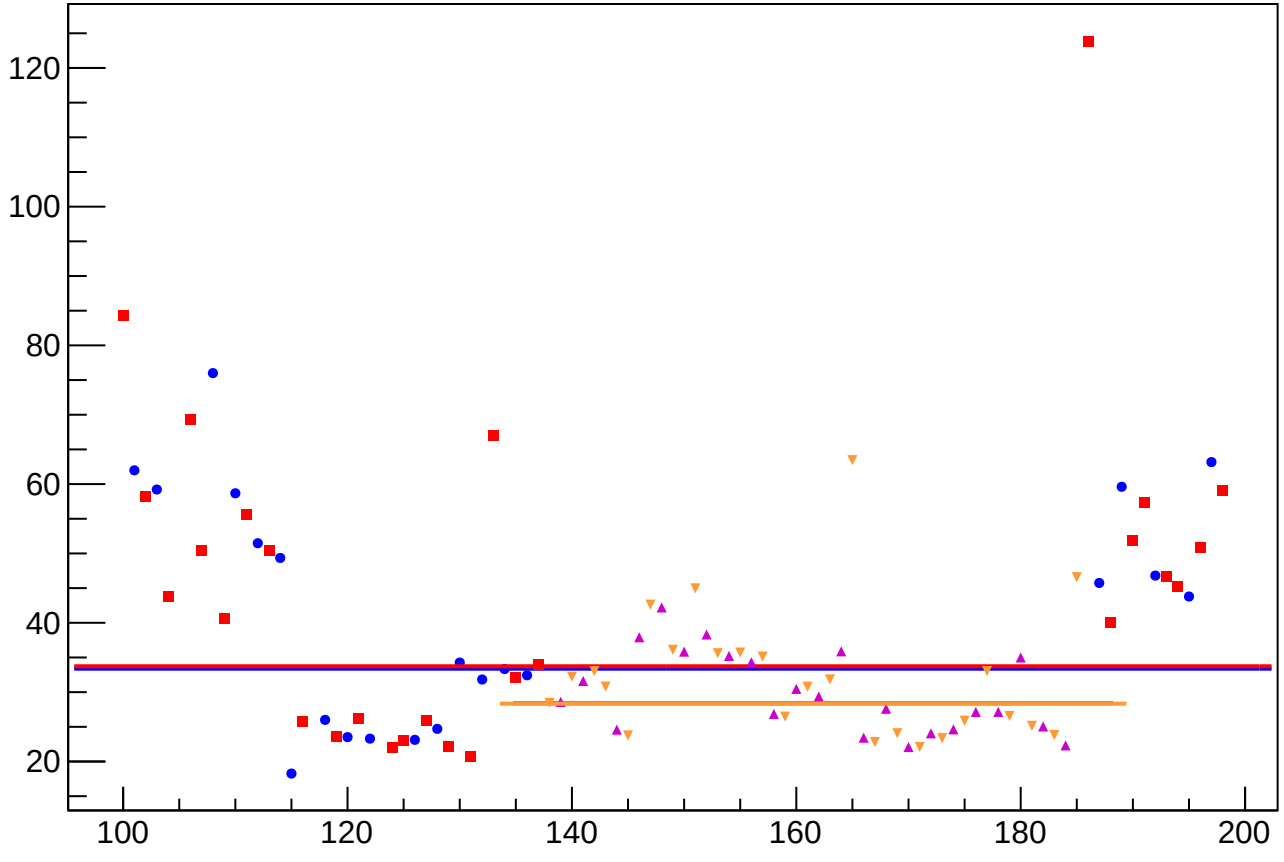
Right: -0.002+/-0.008 χ^2/NDF: 47.2/47

In: -0.004+/-0.006 χ^2/NDF:38.0/43

Out: -0.015+/-0.006 χ^2/NDF:68.1/51

All: -0.010+/-0.004 χ^2/NDF: 107.7/95

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.382+/-0.008 χ^2/NDF: 2652079.5/20

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 33.733+/-0.007 χ^2/NDF: 3442101.4/26

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

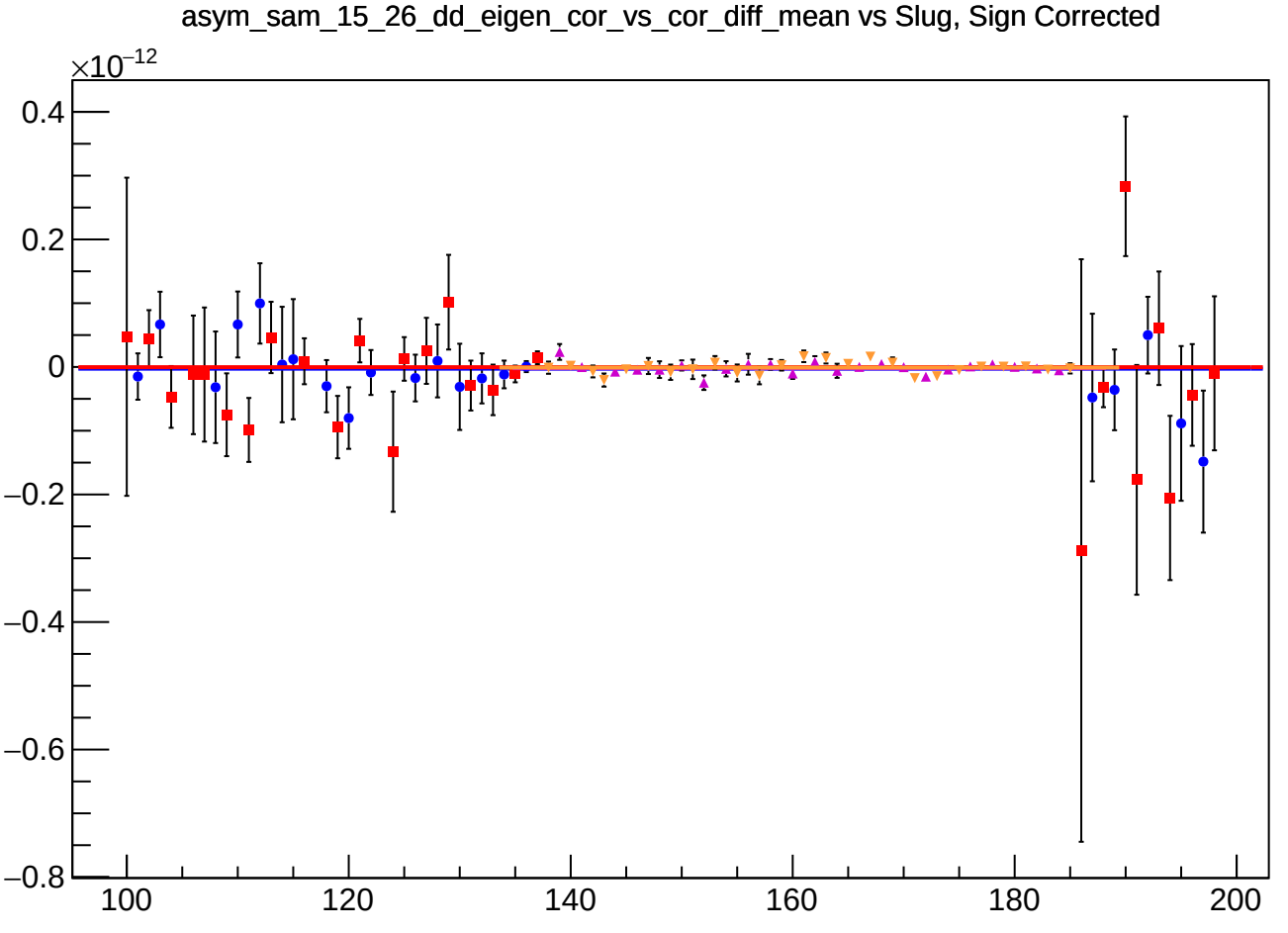
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 33.571+/-0.005 χ^2/NDF: 6095235.6/47

In: 29.747+/-0.004 χ^2/NDF:4038908.1/43

Out: 29.919+/-0.004 χ^2/NDF:5557882.5/51

All: 29.837+/-0.003 χ^2/NDF: 9597690.2/95



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

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

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

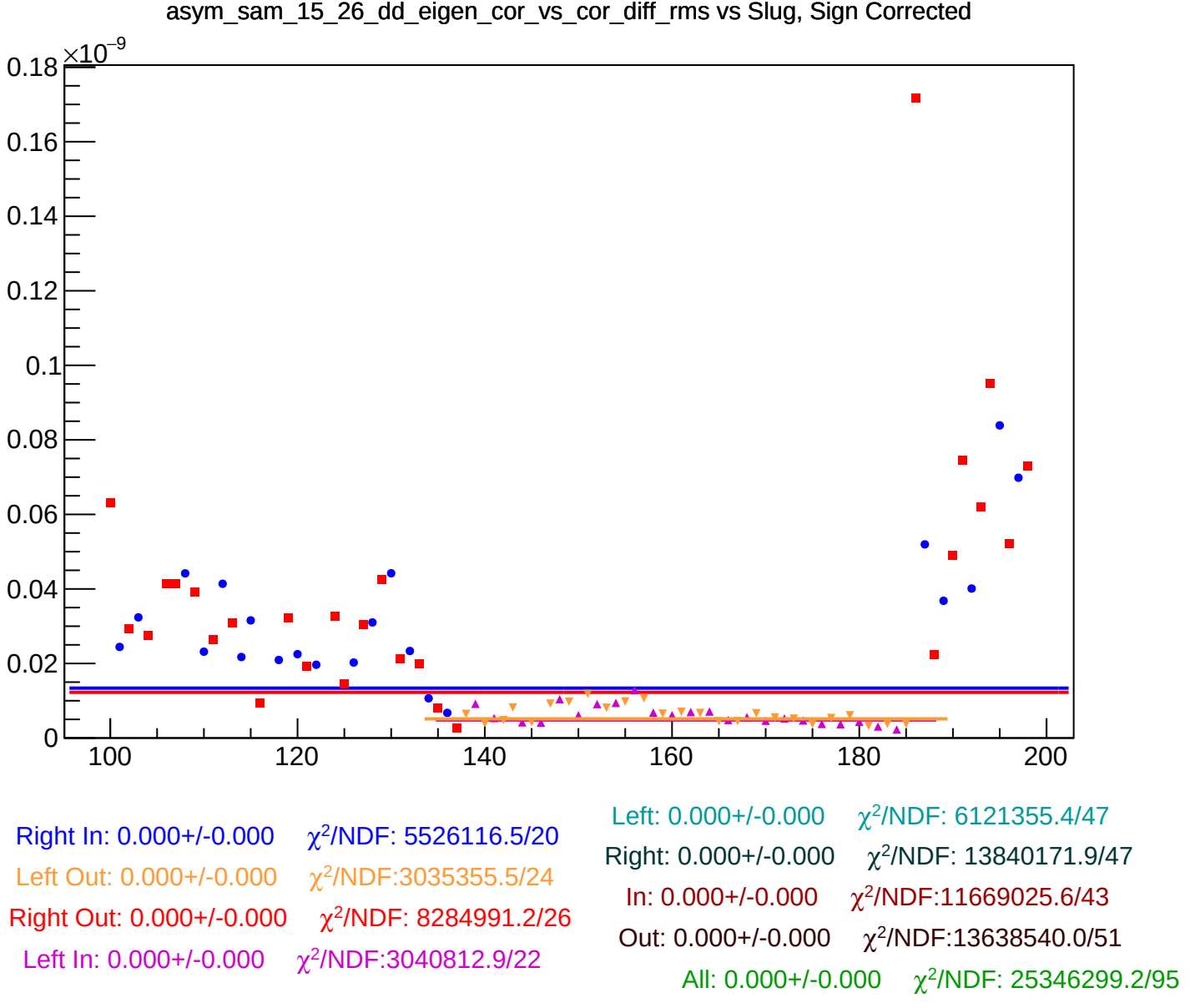
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

Right: -0.000+/-0.000 χ^2/NDF: 47.7/47

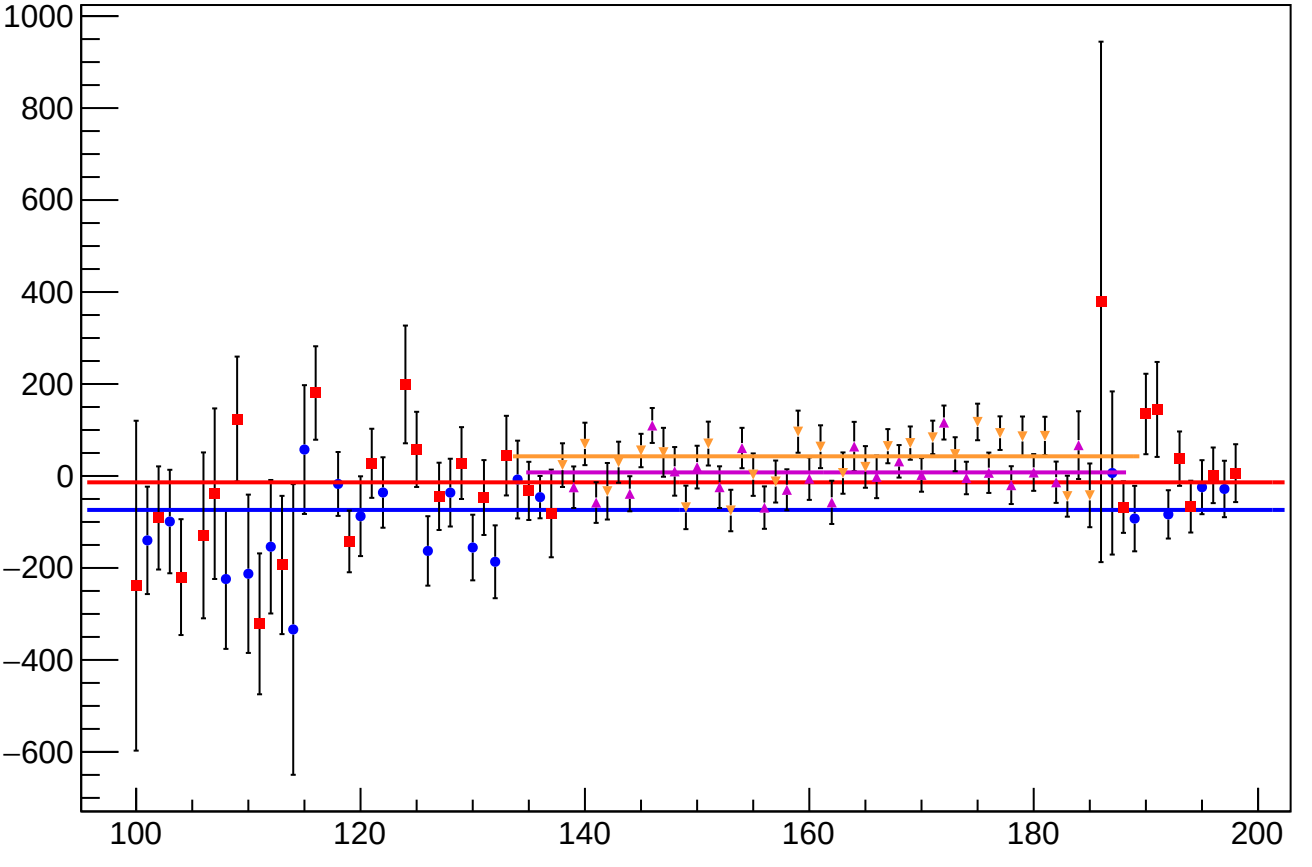
In: -0.000+/-0.000 χ^2/NDF:33.3/43

Out: -0.000+/-0.000 χ^2/NDF:68.0/51

All: -0.000+/-0.000 χ^2/NDF: 101.6/95


asym_sam_15_26_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: 5526116.5/20
Left Out: 0.000+/-0.000 χ²/NDF:3035355.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 8284991.2/26
Left In: 0.000+/-0.000 χ²/NDF:3040812.9/22
Left: 0.000+/-0.000 χ²/NDF: 6121355.4/47
Right: 0.000+/-0.000 χ²/NDF: 13840171.9/47
In: 0.000+/-0.000 χ²/NDF:11669025.6/43
Out: 0.000+/-0.000 χ²/NDF:13638540.0/51
All: 0.000+/-0.000 χ²/NDF: 25346299.2/95

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -73.806+/-17.345 χ^2/NDF: 12.3/20

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: -13.823+/-16.378 χ^2/NDF: 31.7/26

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

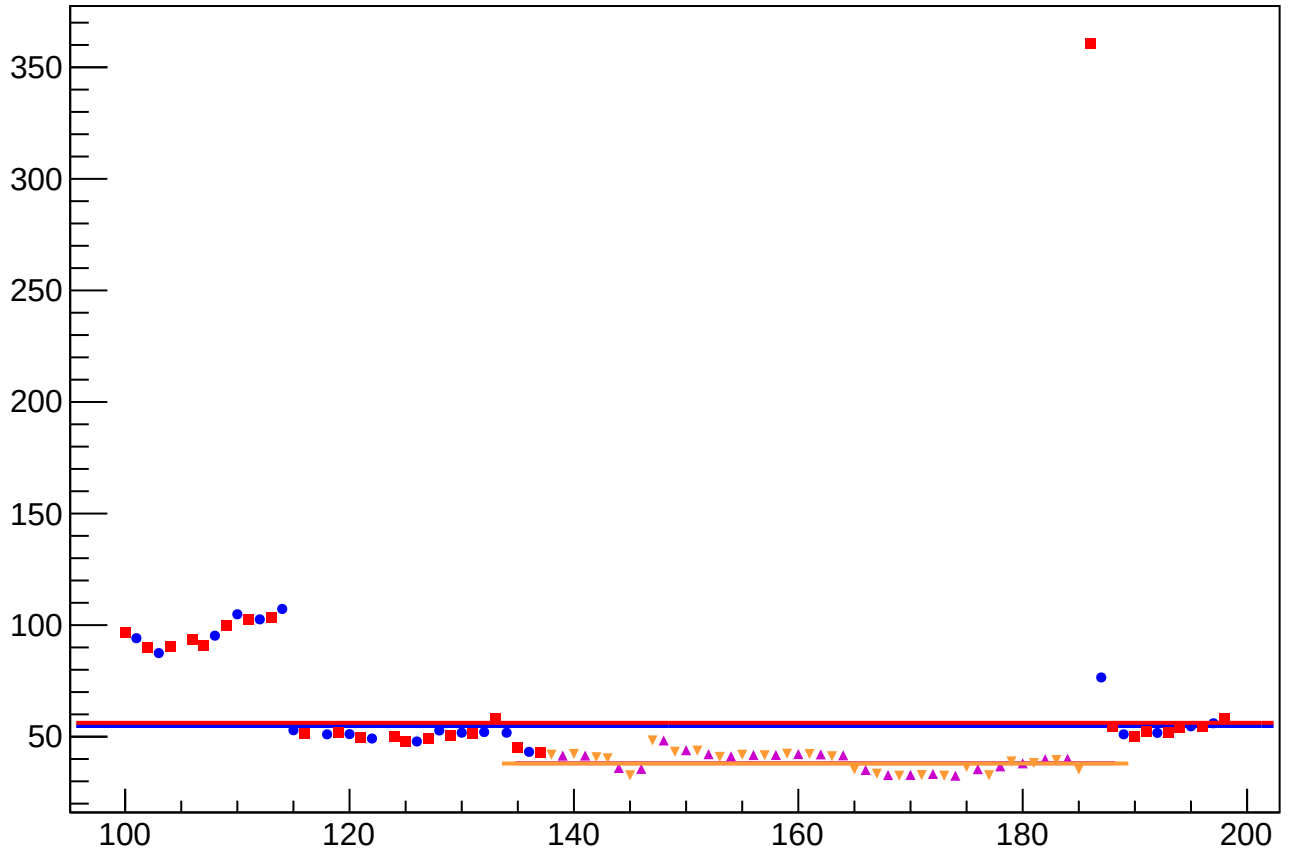
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -42.096+/-11.908 χ^2/NDF: 50.4/47

In: -9.446+/-7.971 χ^2/NDF:60.4/43

Out: 30.315+/-7.682 χ^2/NDF:75.8/51

All: 11.168+/-5.531 χ^2/NDF: 149.1/95



Right In: 54.795+/-0.012 χ^2/NDF: 1196511.2/20

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 56.210+/-0.012 χ^2/NDF: 1899712.2/26

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

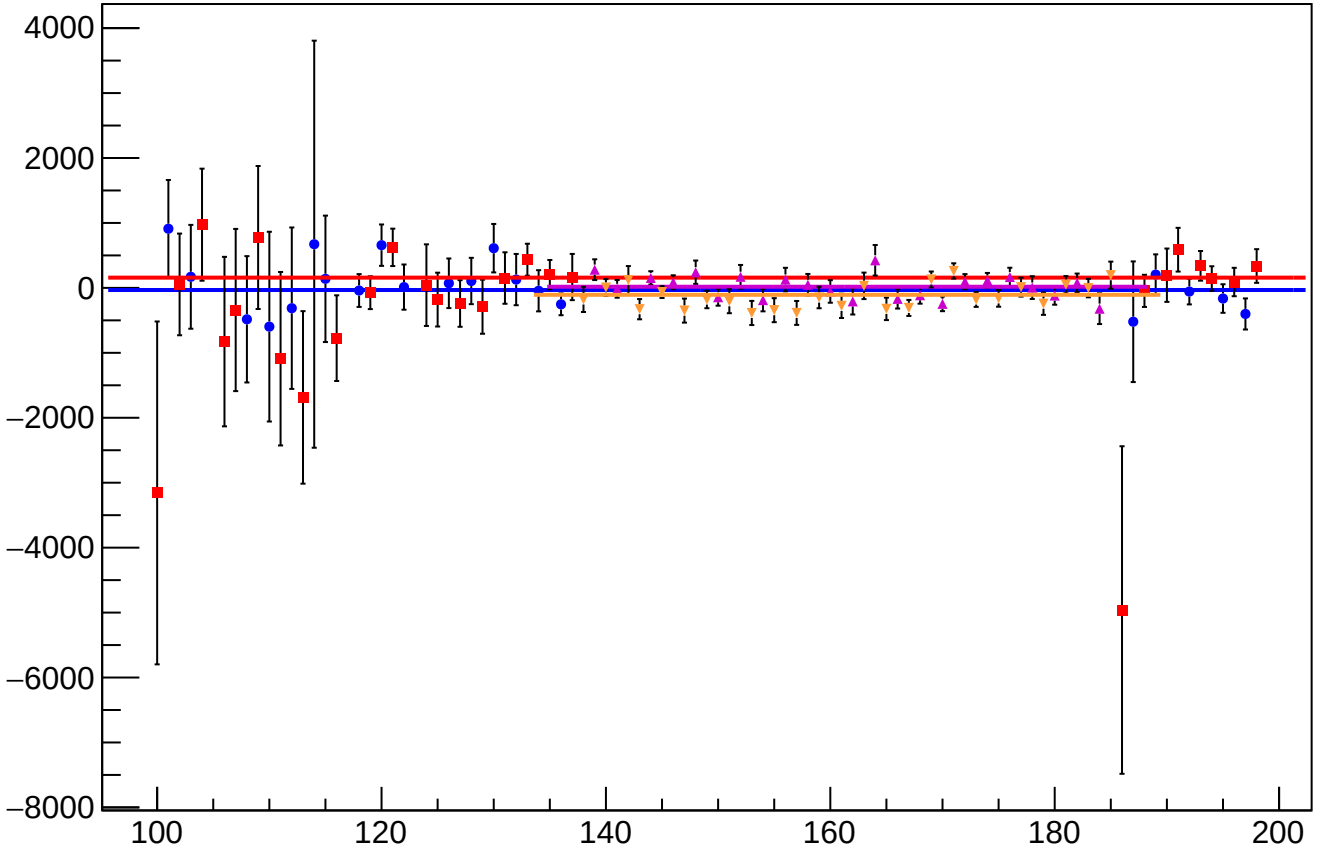
Right: 55.543+/-0.008 χ^2/NDF: 3103260.0/47

In: 41.651+/-0.006 χ^2/NDF:3080781.7/43

Out: 41.998+/-0.005 χ^2/NDF:4344088.5/51

All: 41.831+/-0.004 χ^2/NDF: 7426834.4/95

asym_sam_37_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -32.693+/-72.669 χ^2/NDF: 15.6/20

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: 157.886+/-66.980 χ^2/NDF: 23.8/26

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

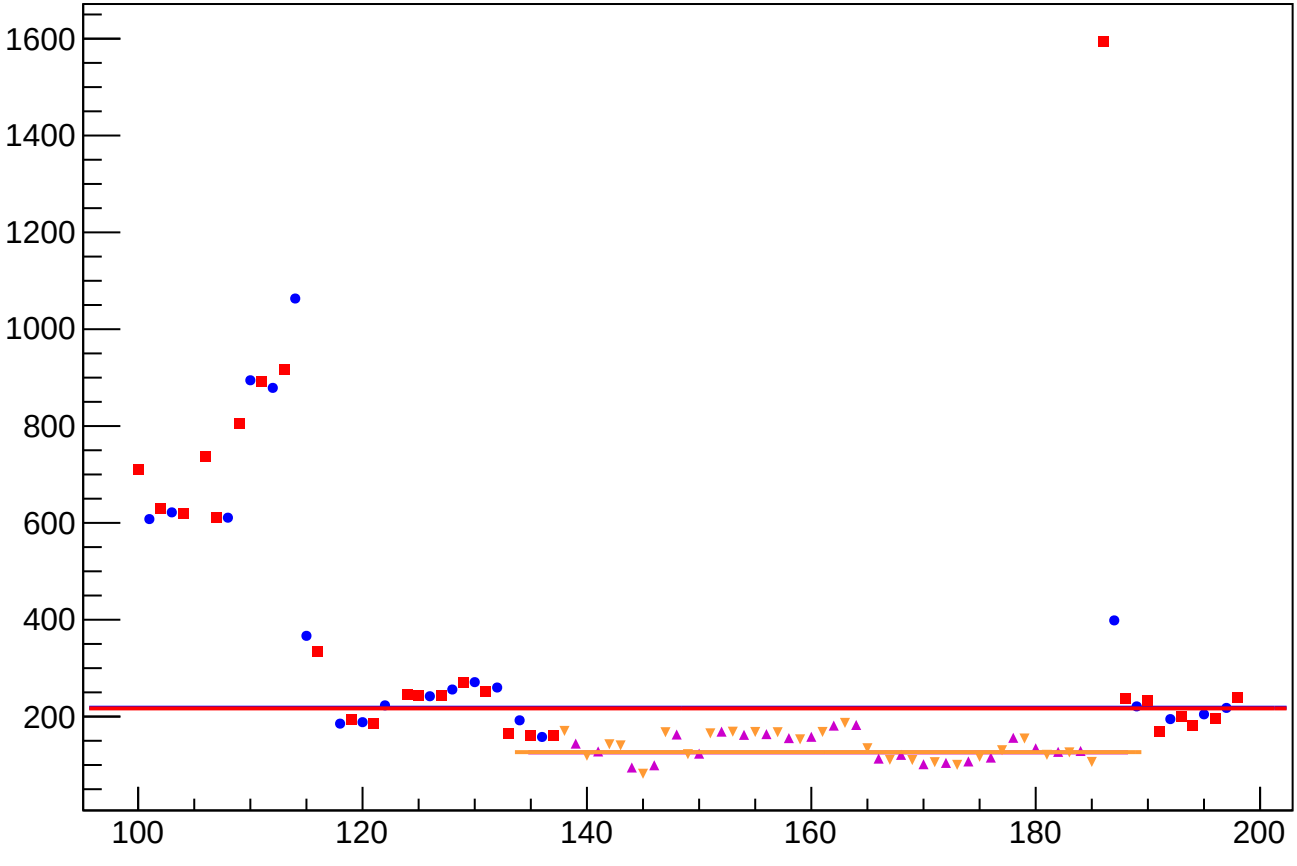
Right: 70.346+/-49.251 χ^2/NDF: 43.1/47

In: 10.128+/-27.876 χ^2/NDF:44.2/43

Out: -63.398+/-27.046 χ^2/NDF:74.5/51

All: -27.746+/-19.411 χ^2/NDF: 122.3/95

asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 218.312+/-0.051 χ^2/NDF: 3087110.8/20

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 216.870+/-0.047 χ^2/NDF: 4427774.0/26

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

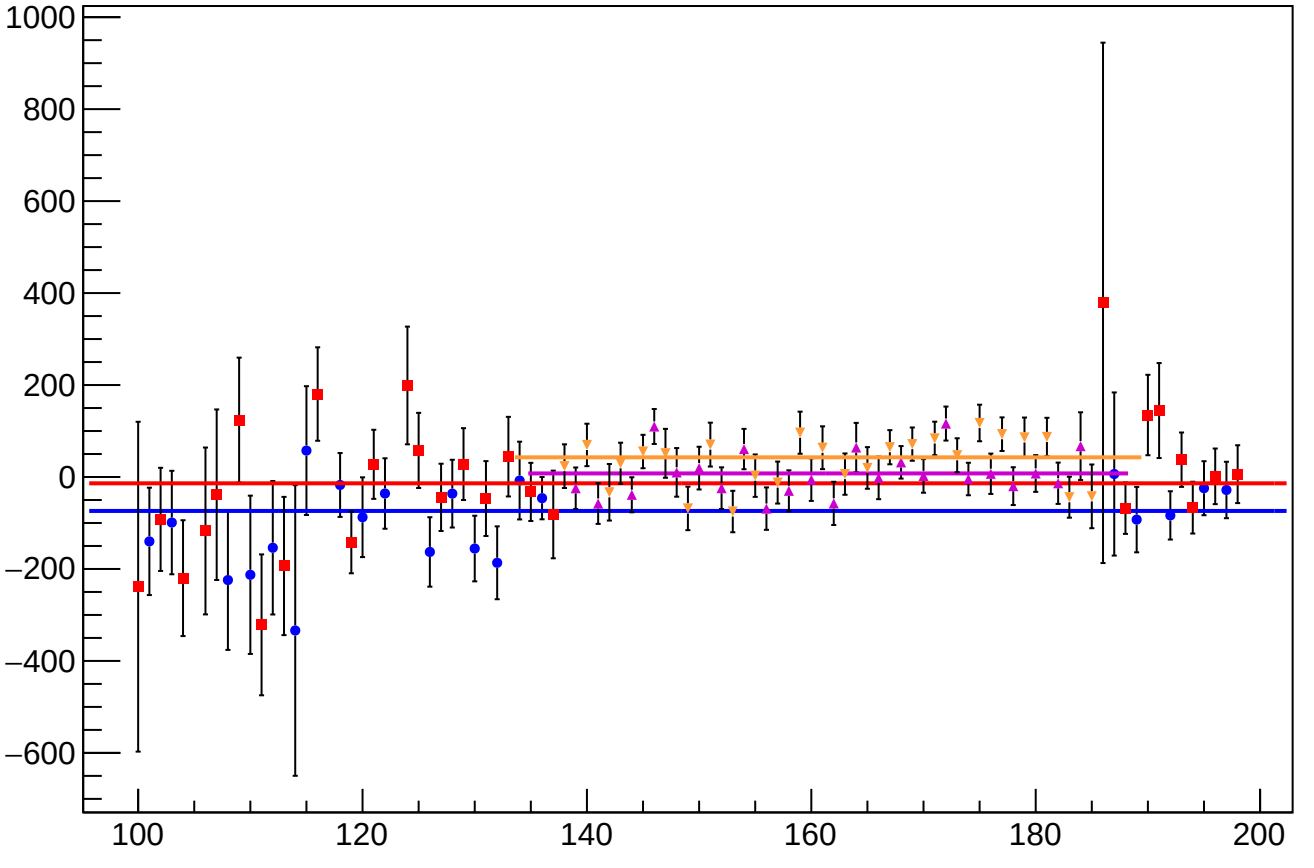
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 217.533+/-0.035 χ^2/NDF: 7515310.4/47

In: 139.595+/-0.020 χ^2/NDF:7249441.1/43

Out: 141.285+/-0.019 χ^2/NDF:9228940.8/51

All: 140.466+/-0.014 χ^2/NDF: 16482168.8/95



Right In: -73.802+/-17.345 χ^2/NDF: 12.3/20

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -13.737+/-16.379 χ^2/NDF: 31.7/26

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

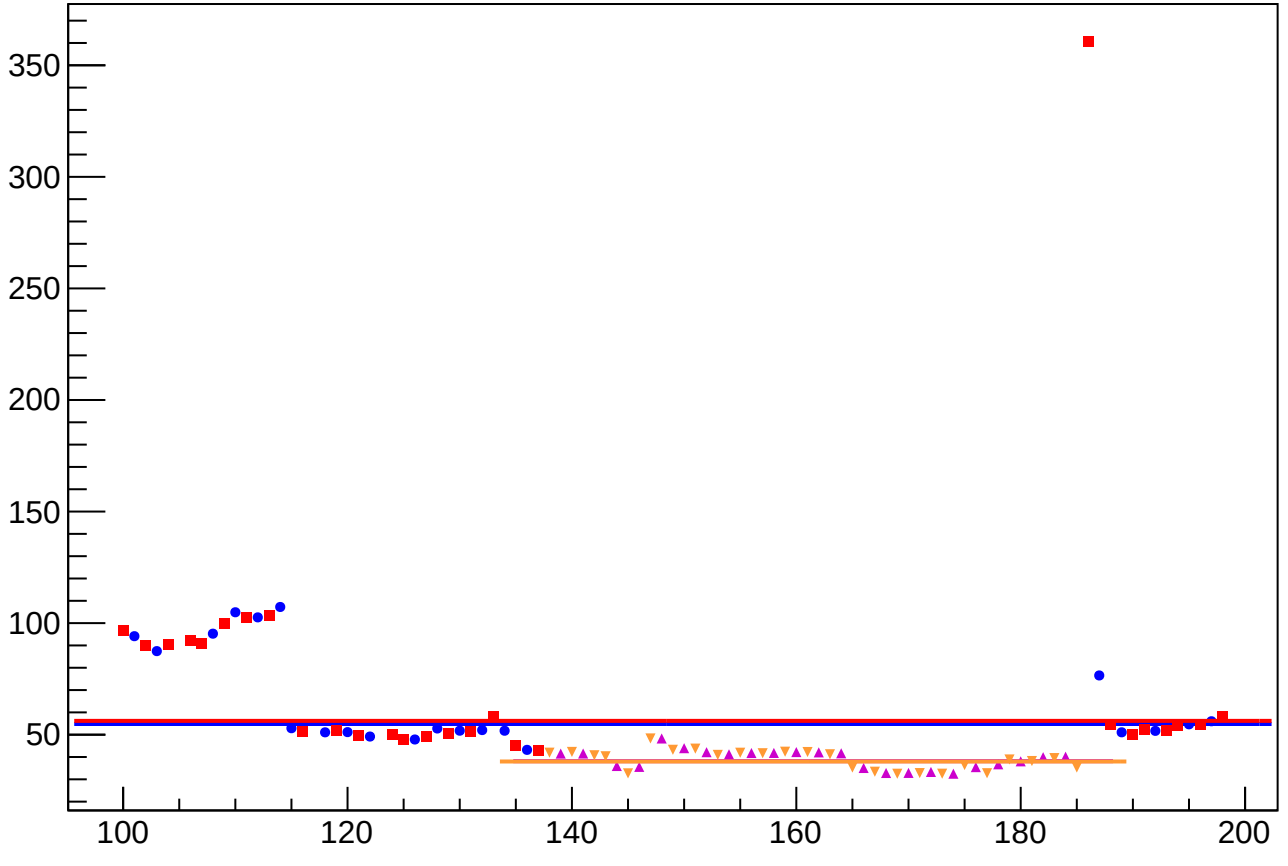
Right: -42.050+/-11.908 χ^2/NDF: 50.3/47

In: -9.444+/-7.971 χ^2/NDF:60.4/43

Out: 30.337+/-7.682 χ^2/NDF:75.7/51

All: 11.179+/-5.531 χ^2/NDF: 149.0/95

cor_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 54.795+/-0.012 χ^2/NDF: 1196511.4/20

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 56.194+/-0.012 χ^2/NDF: 1891996.3/26

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

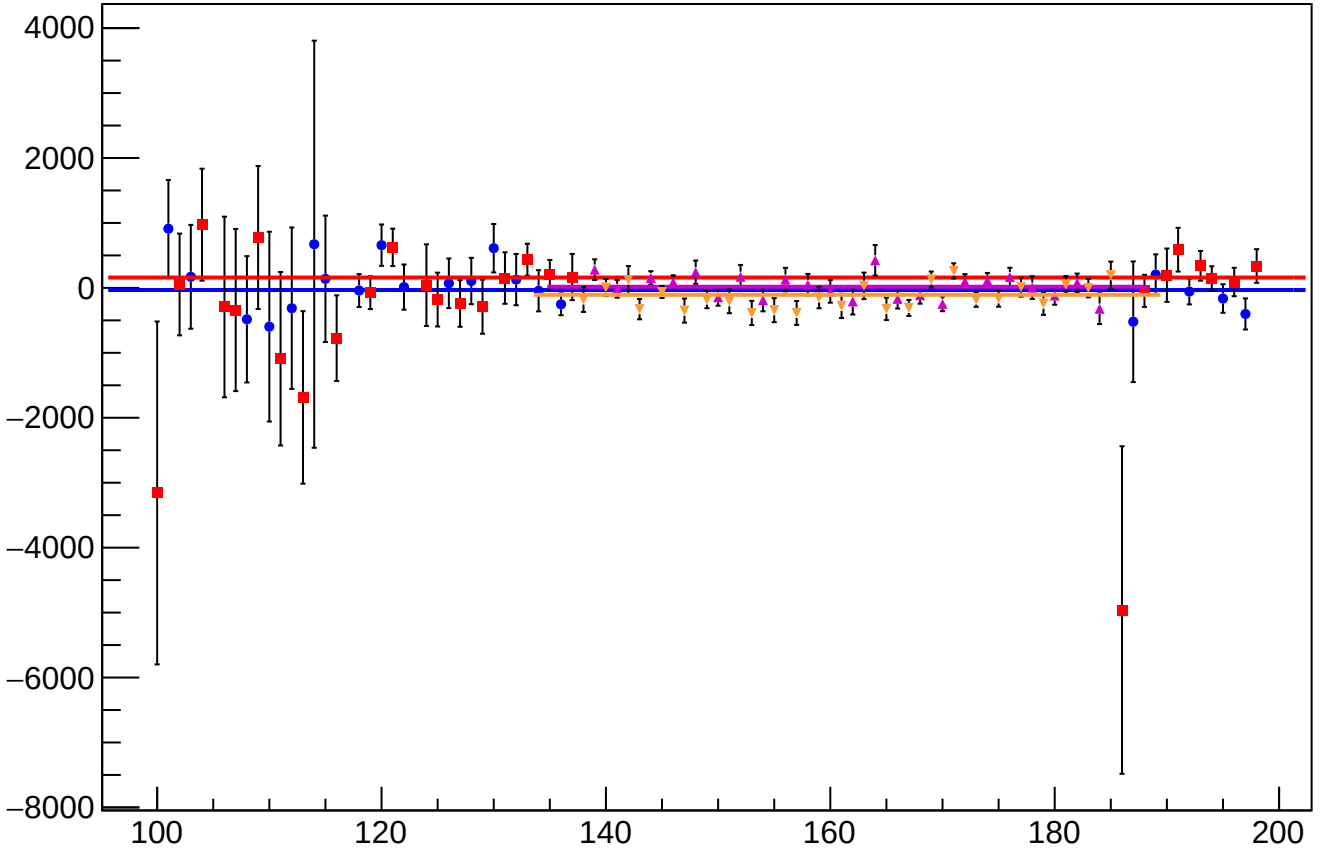
Right: 55.535+/-0.008 χ^2/NDF: 3095385.4/47

In: 41.651+/-0.006 χ^2/NDF:3080781.9/43

Out: 41.995+/-0.005 χ^2/NDF:4332815.0/51

All: 41.829+/-0.004 χ^2/NDF: 7415517.6/95

asym_sam_37_26_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -32.691+/-72.669 χ^2/NDF: 15.6/20

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 159.412+/-66.991 χ^2/NDF: 23.4/26

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

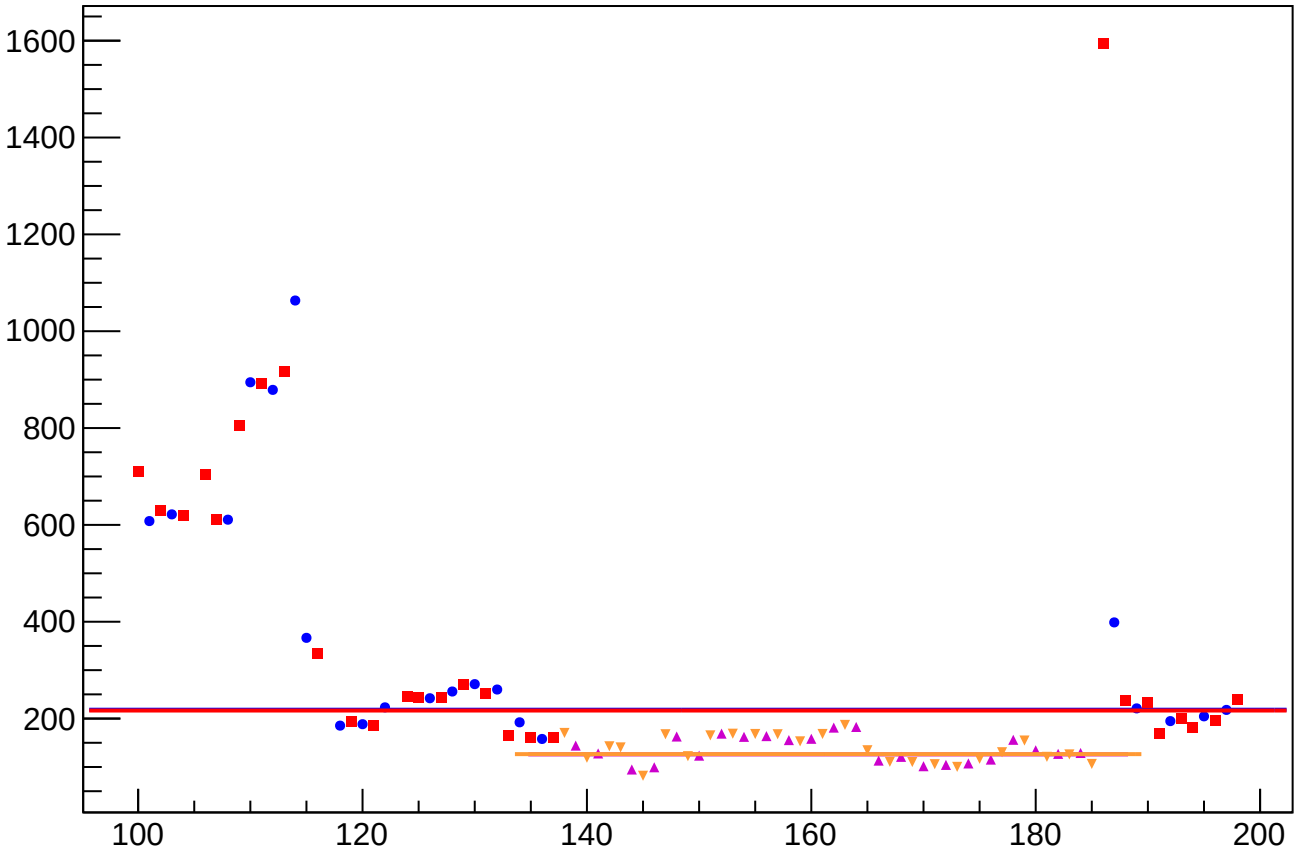
Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

Right: 71.157+/-49.255 χ^2/NDF: 42.7/47

In: 10.129+/-27.876 χ^2/NDF:44.2/43

Out: -63.160+/-27.047 χ^2/NDF:74.2/51

All: -27.622+/-19.411 χ^2/NDF: 122.0/95



Right In: 218.312+/-0.051 χ^2/NDF: 3087116.0/20

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 216.633+/-0.047 χ^2/NDF: 4356886.6/26

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

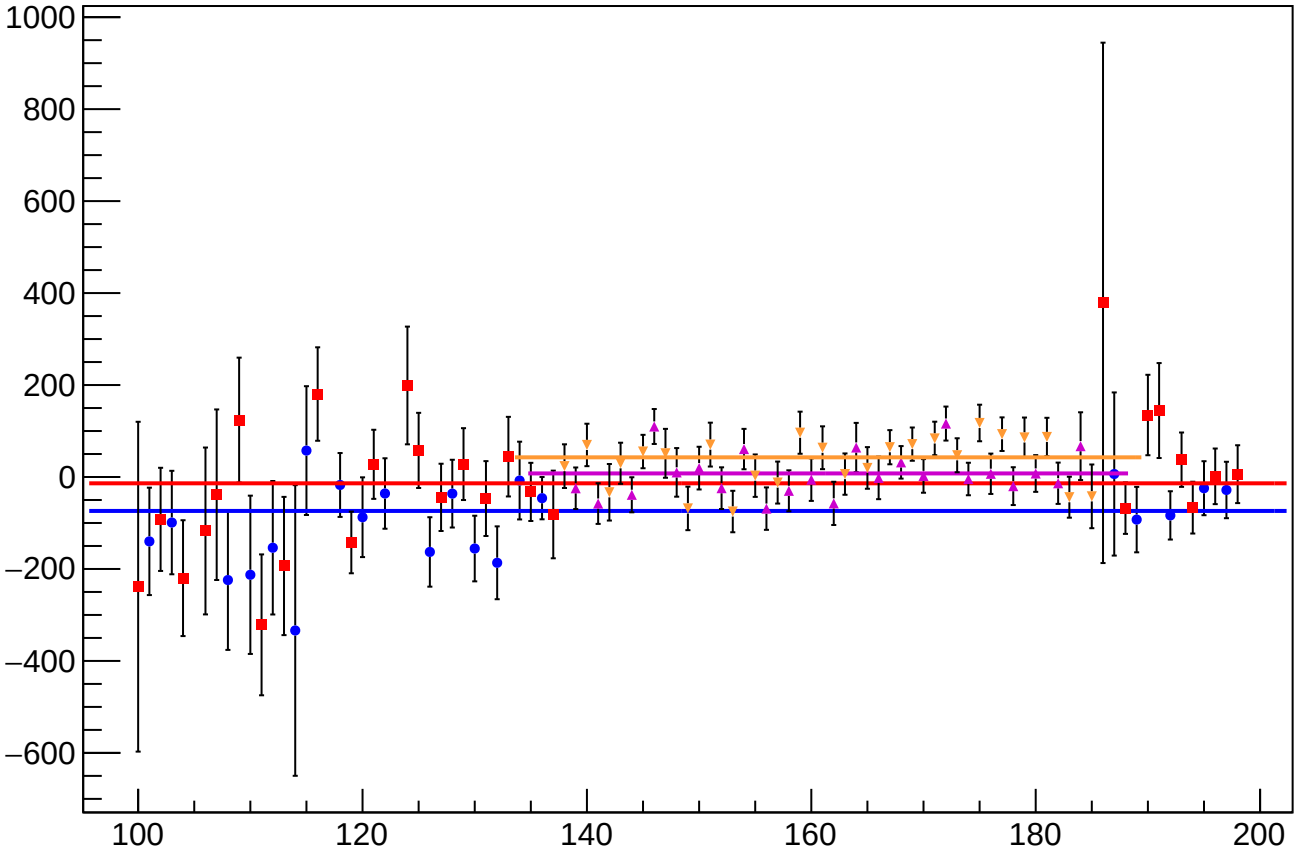
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 217.404+/-0.035 χ^2/NDF: 7444580.0/47

In: 139.595+/-0.020 χ^2/NDF:7249460.6/43

Out: 141.243+/-0.019 χ^2/NDF:9141233.7/51

All: 140.444+/-0.014 χ^2/NDF: 16394292.7/95



Right In: -73.802+/-17.345 χ^2/NDF: 12.3/20

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -13.737+/-16.379 χ^2/NDF: 31.7/26

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

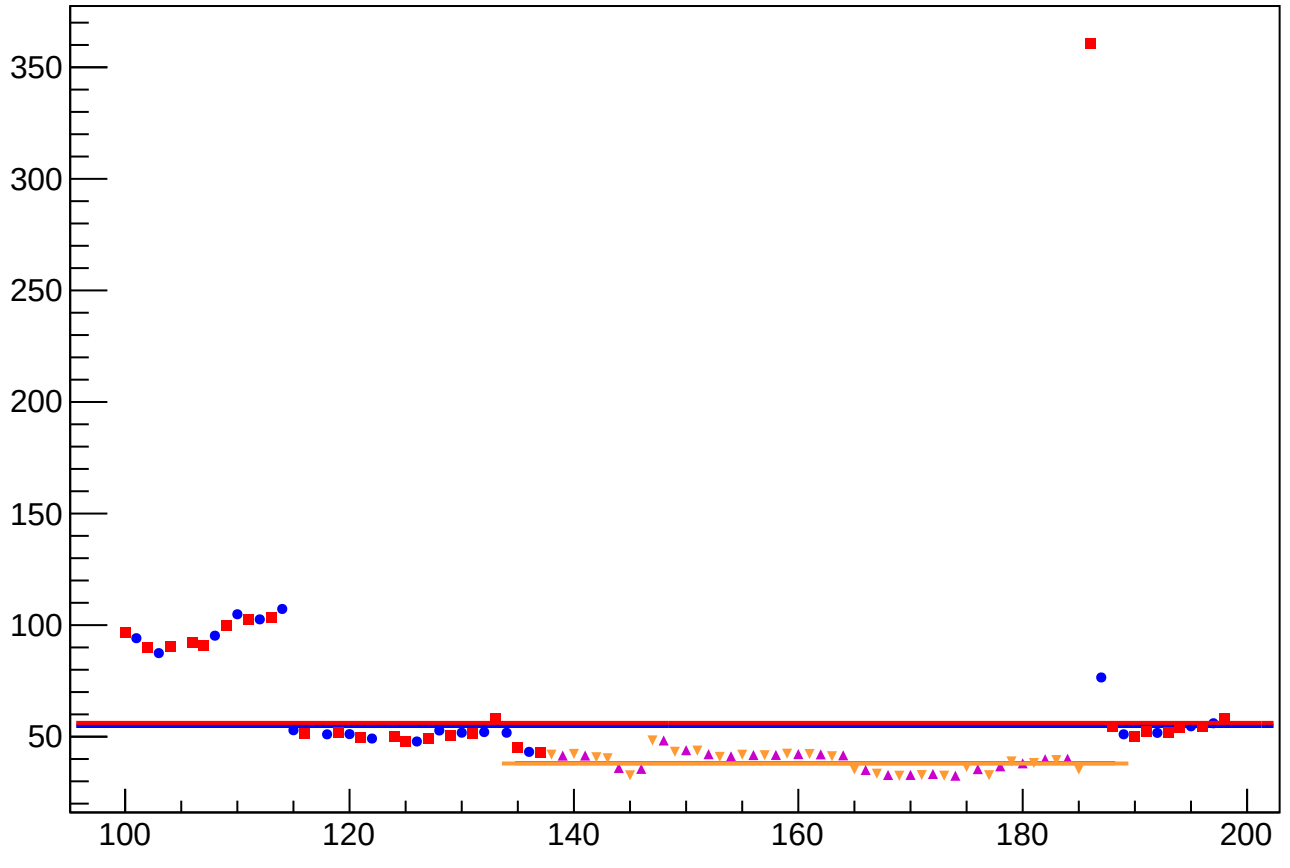
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -42.050+/-11.908 χ^2/NDF: 50.3/47

In: -9.444+/-7.971 χ^2/NDF:60.4/43

Out: 30.337+/-7.682 χ^2/NDF:75.7/51

All: 11.179+/-5.531 χ^2/NDF: 149.0/95



Right In: 54.795+/-0.012 χ^2/NDF: 1196511.4/20

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 56.194+/-0.012 χ^2/NDF: 1891996.3/26

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

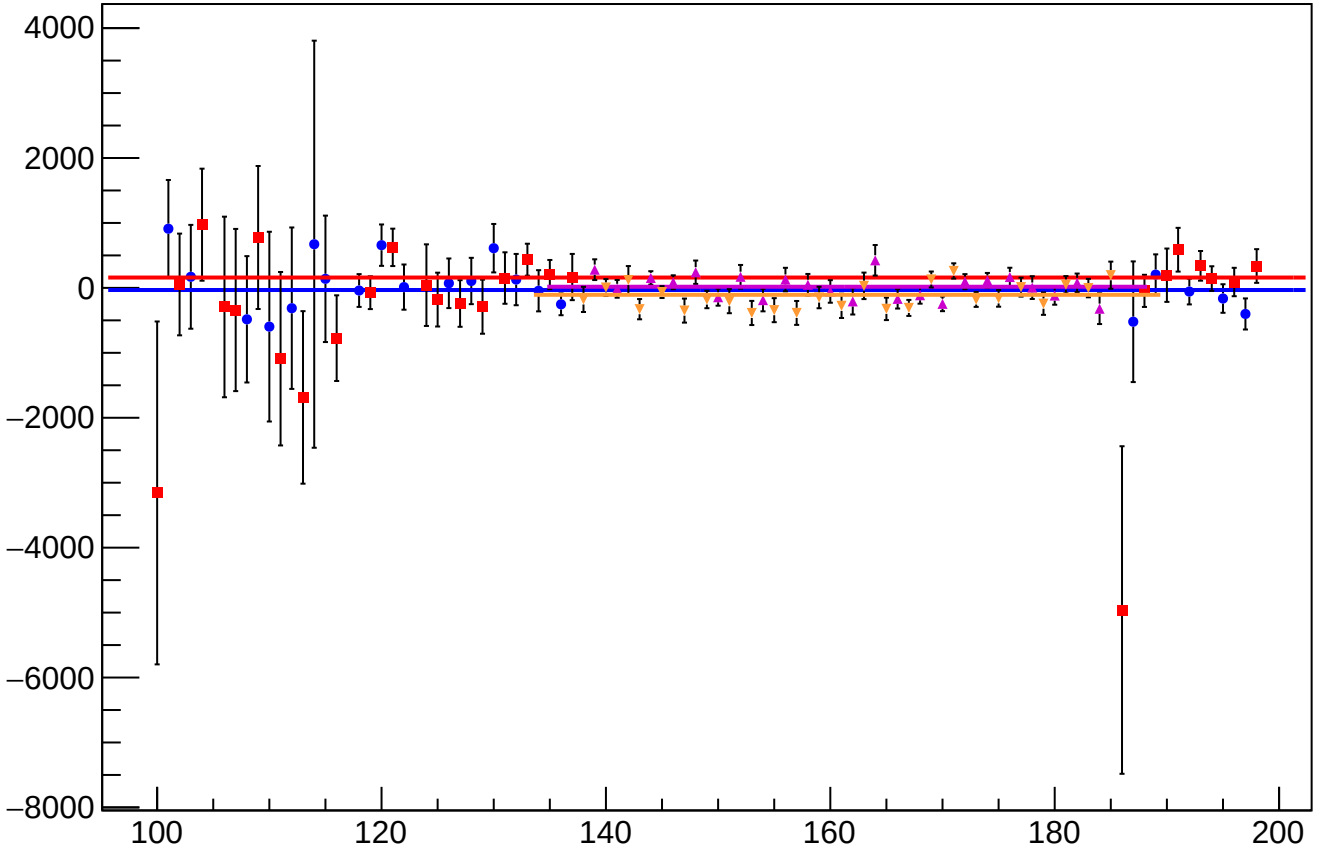
Right: 55.535+/-0.008 χ^2/NDF: 3095385.4/47

In: 41.651+/-0.006 χ^2/NDF:3080781.9/43

Out: 41.995+/-0.005 χ^2/NDF:4332815.0/51

All: 41.829+/-0.004 χ^2/NDF: 7415517.6/95

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -32.691+/-72.669 χ^2/NDF: 15.6/20

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 159.412+/-66.991 χ^2/NDF: 23.4/26

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

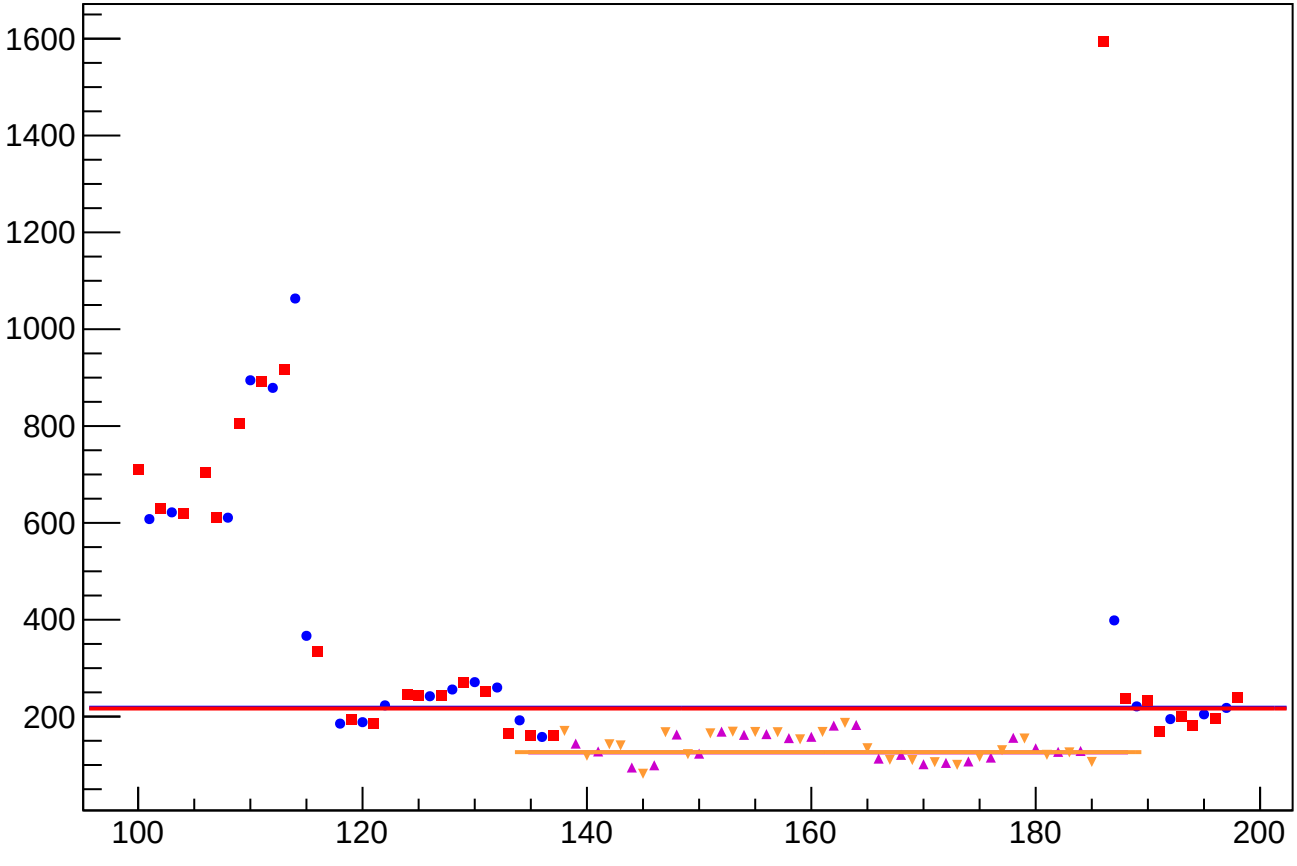
Right: 71.157+/-49.255 χ^2/NDF: 42.7/47

In: 10.129+/-27.876 χ^2/NDF:44.2/43

Out: -63.160+/-27.047 χ^2/NDF:74.2/51

All: -27.622+/-19.411 χ^2/NDF: 122.0/95

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 218.312+/-0.051 χ^2/NDF: 3087116.0/20

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 216.633+/-0.047 χ^2/NDF: 4356886.6/26

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

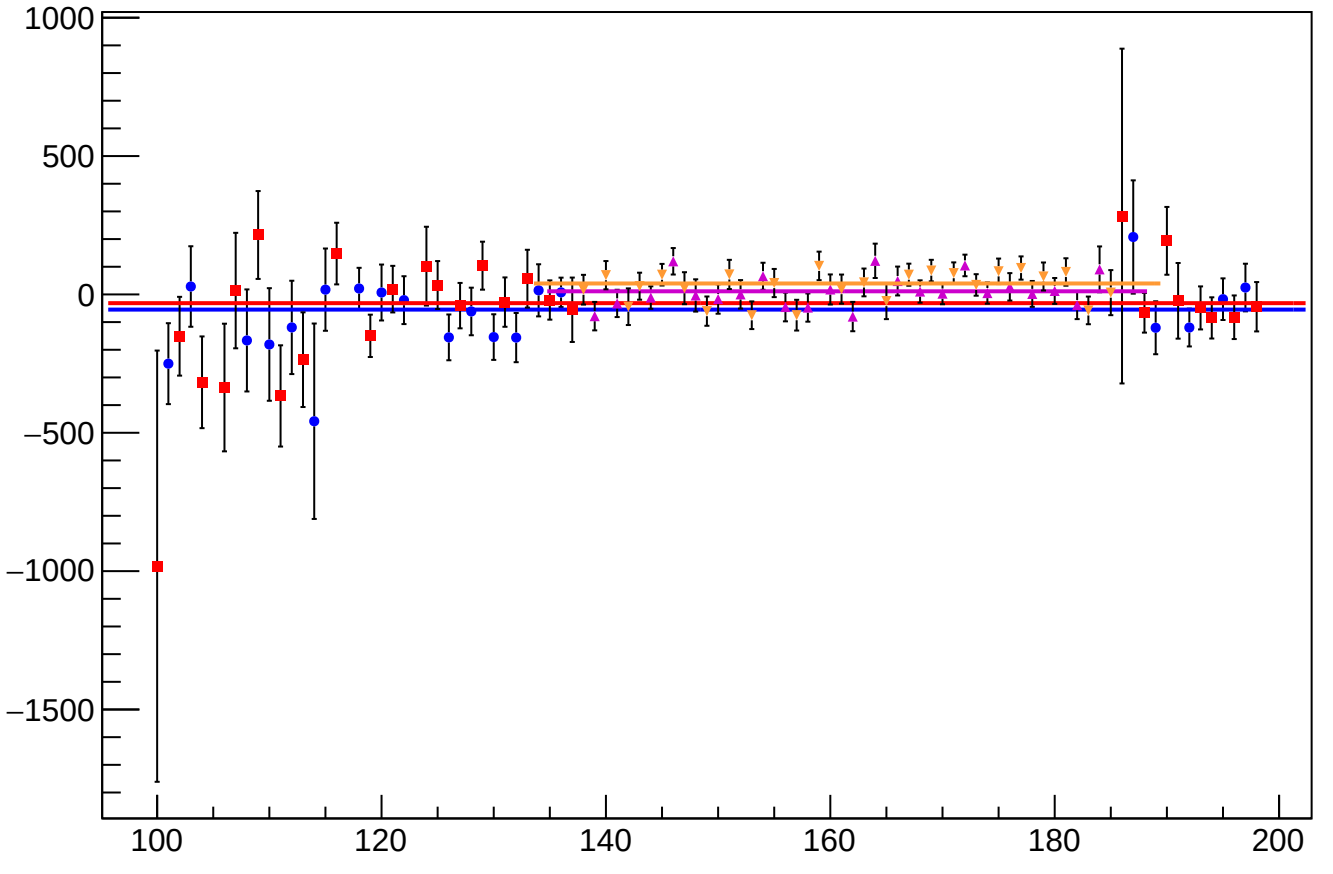
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 217.404+/-0.035 χ^2/NDF: 7444580.0/47

In: 139.595+/-0.020 χ^2/NDF:7249460.6/43

Out: 141.243+/-0.019 χ^2/NDF:9141233.7/51

All: 140.444+/-0.014 χ^2/NDF: 16394292.7/95



Right In: -54.847+/-20.731 χ^2/NDF: 16.4/20

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: -31.559+/-19.882 χ^2/NDF: 29.1/26

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

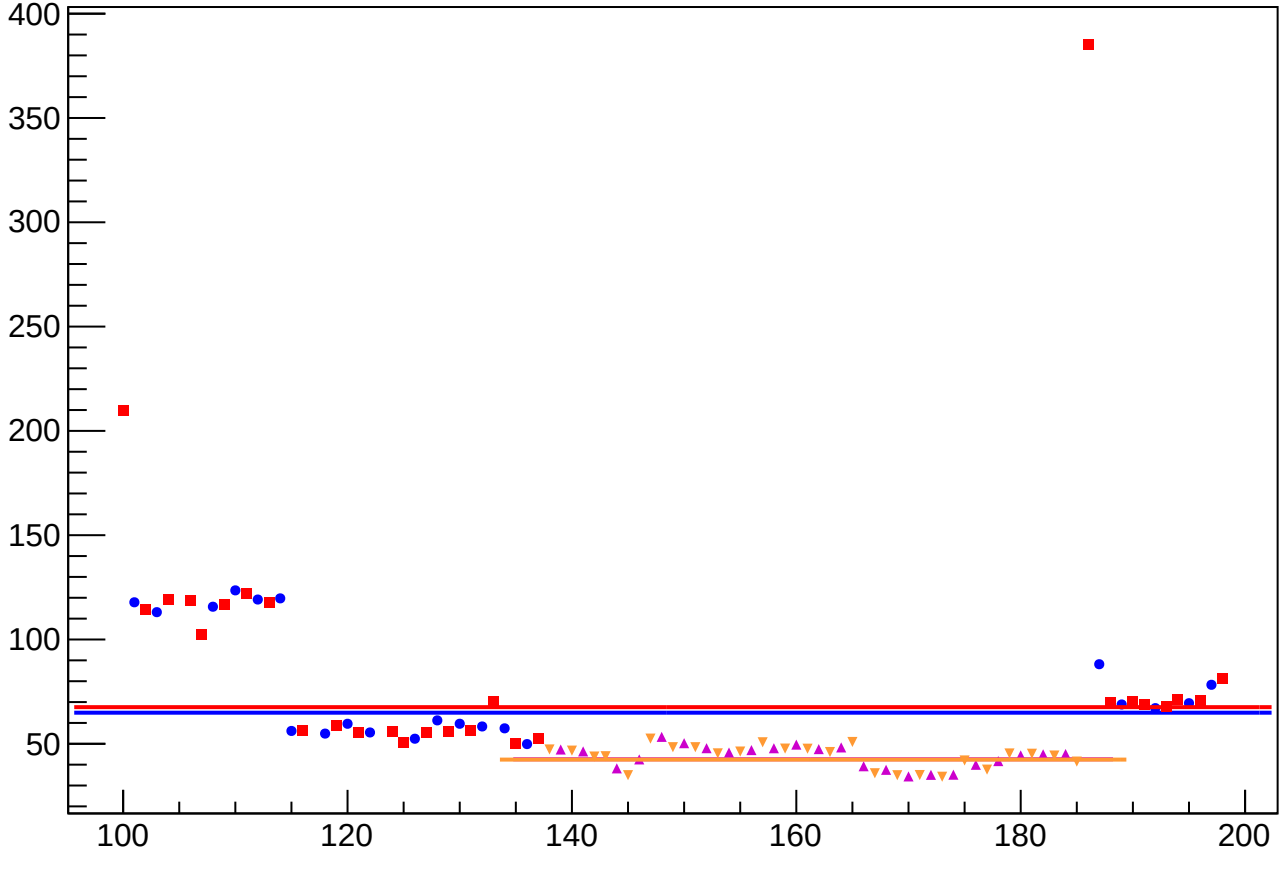
Right: -42.717+/-14.350 χ^2/NDF: 46.1/47

In: -1.337+/-9.063 χ^2/NDF:52.5/43

Out: 25.787+/-8.751 χ^2/NDF:69.0/51

All: 12.700+/-6.295 χ^2/NDF: 126.2/95

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 64.911+/-0.015 χ^2/NDF: 1454838.9/20

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 67.564+/-0.014 χ^2/NDF: 2228328.8/26

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

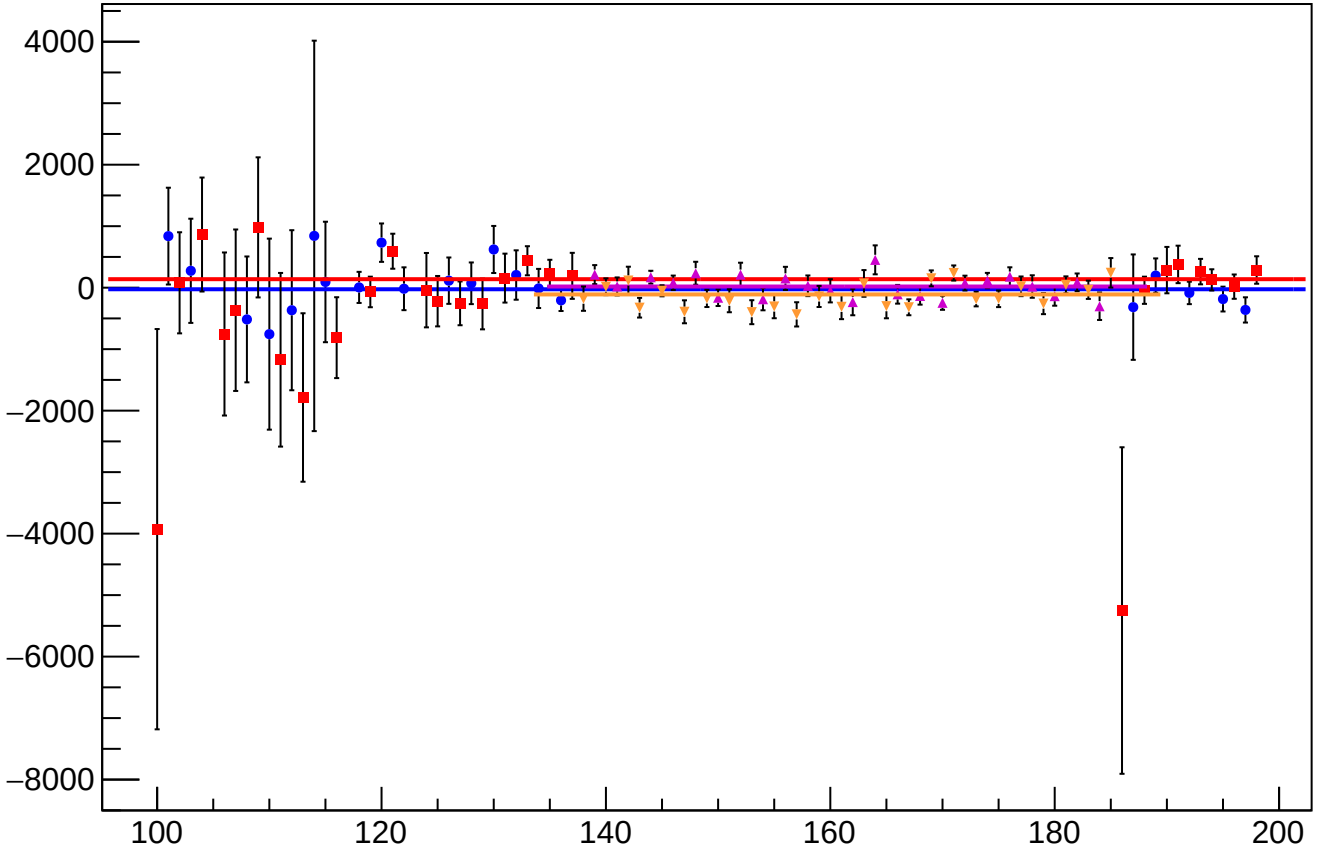
Right: 66.293+/-0.010 χ^2/NDF: 3700229.2/47

In: 46.847+/-0.006 χ^2/NDF:3921996.2/43

Out: 47.296+/-0.006 χ^2/NDF:5504895.9/51

All: 47.079+/-0.004 χ^2/NDF: 9429426.7/95

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -25.856+/-69.928 χ^2/NDF: 16.5/20

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 138.057+/-62.932 χ^2/NDF: 23.1/26

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

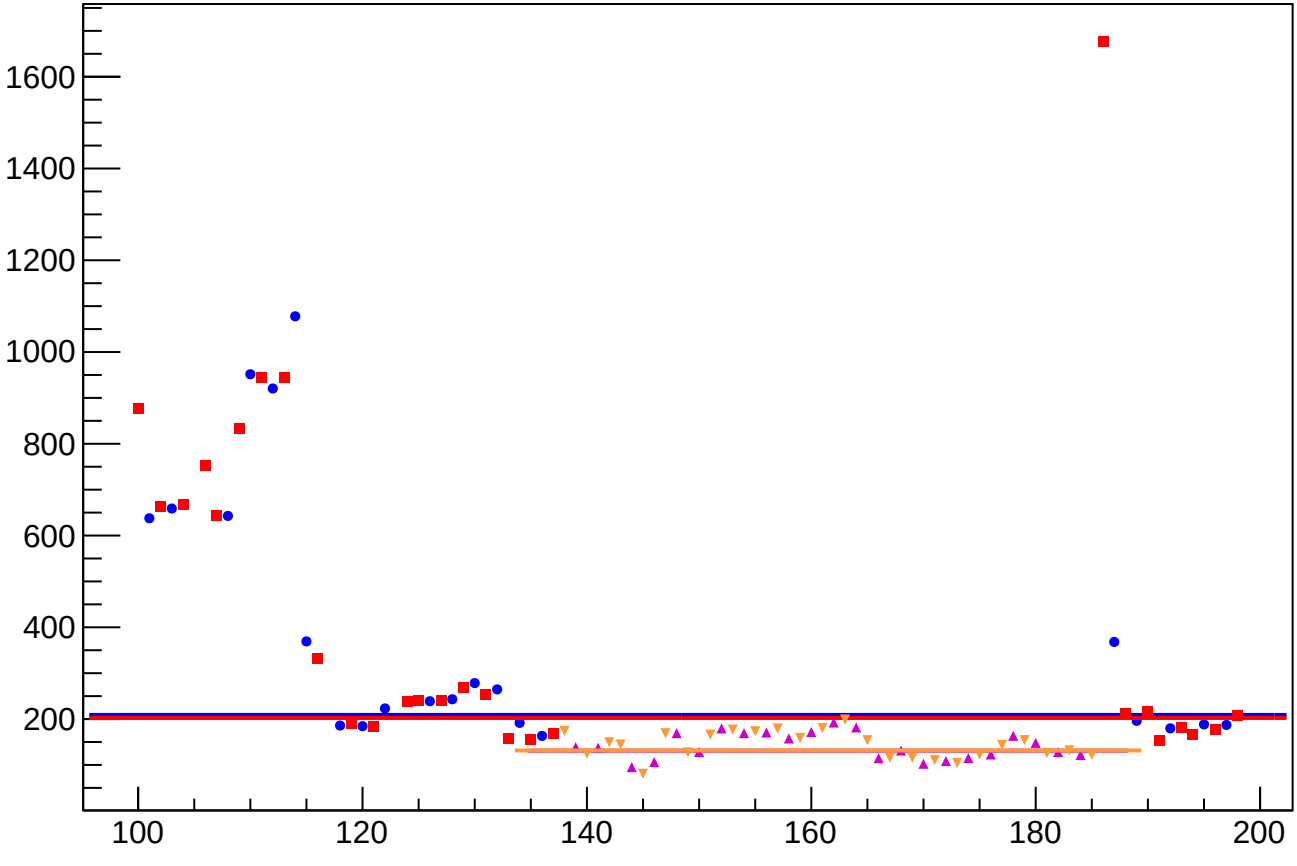
Right: 64.707+/-46.778 χ^2/NDF: 42.6/47

In: 11.308+/-28.703 χ^2/NDF:44.0/43

Out: -62.064+/-27.635 χ^2/NDF:71.9/51

All: -26.769+/-19.908 χ^2/NDF: 119.3/95

asym_sam_37_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 209.035+/-0.049 χ^2/NDF: 3256141.7/20

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 202.393+/-0.044 χ^2/NDF: 4754892.1/26

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

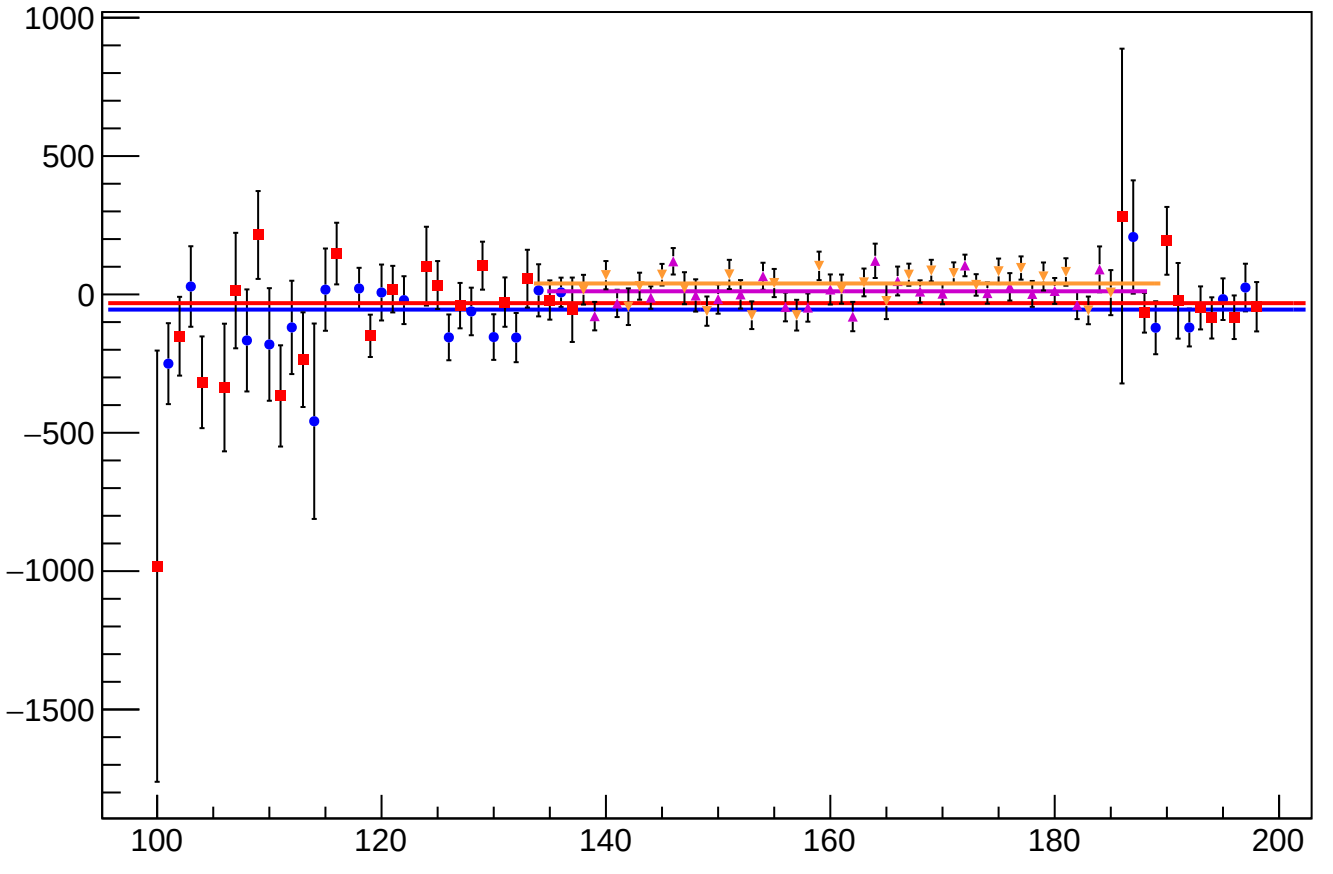
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

Right: 205.365+/-0.033 χ^2/NDF: 8021004.7/47

In: 144.209+/-0.020 χ^2/NDF:6791062.3/43

Out: 145.182+/-0.020 χ^2/NDF:8705575.7/51

All: 144.714+/-0.014 χ^2/NDF: 15497830.8/95



Right In: -54.848+/-20.731 χ^2/NDF: 16.4/20

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: -31.560+/-19.882 χ^2/NDF: 29.1/26

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

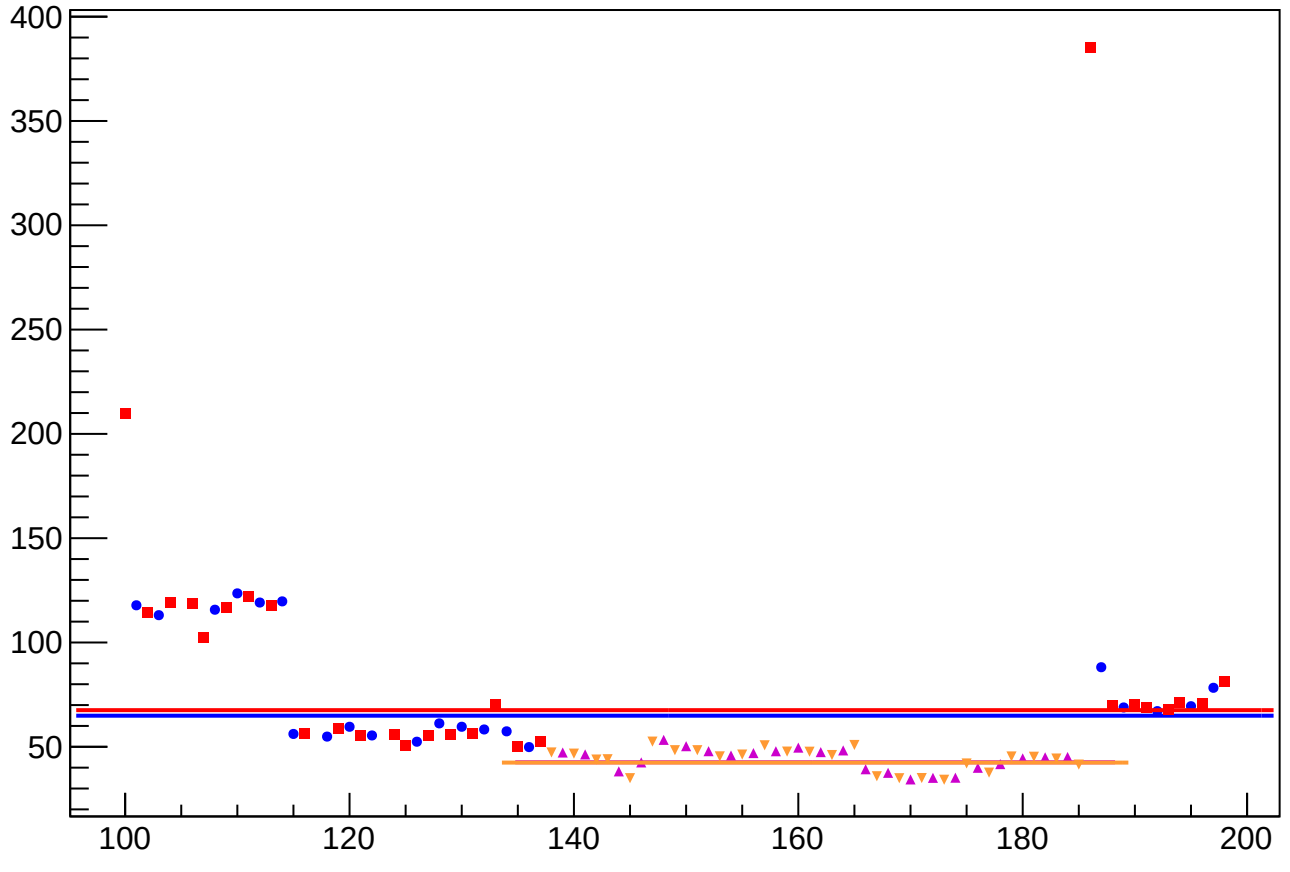
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -42.717+/-14.350 χ^2/NDF: 46.1/47

In: -1.337+/-9.063 χ^2/NDF:52.5/43

Out: 25.787+/-8.751 χ^2/NDF:69.0/51

All: 12.701+/-6.295 χ^2/NDF: 126.2/95



Right In: 64.911+/-0.015 χ^2/NDF: 1454840.2/20

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

Right Out: 67.564+/-0.014 χ^2/NDF: 2228326.2/26

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

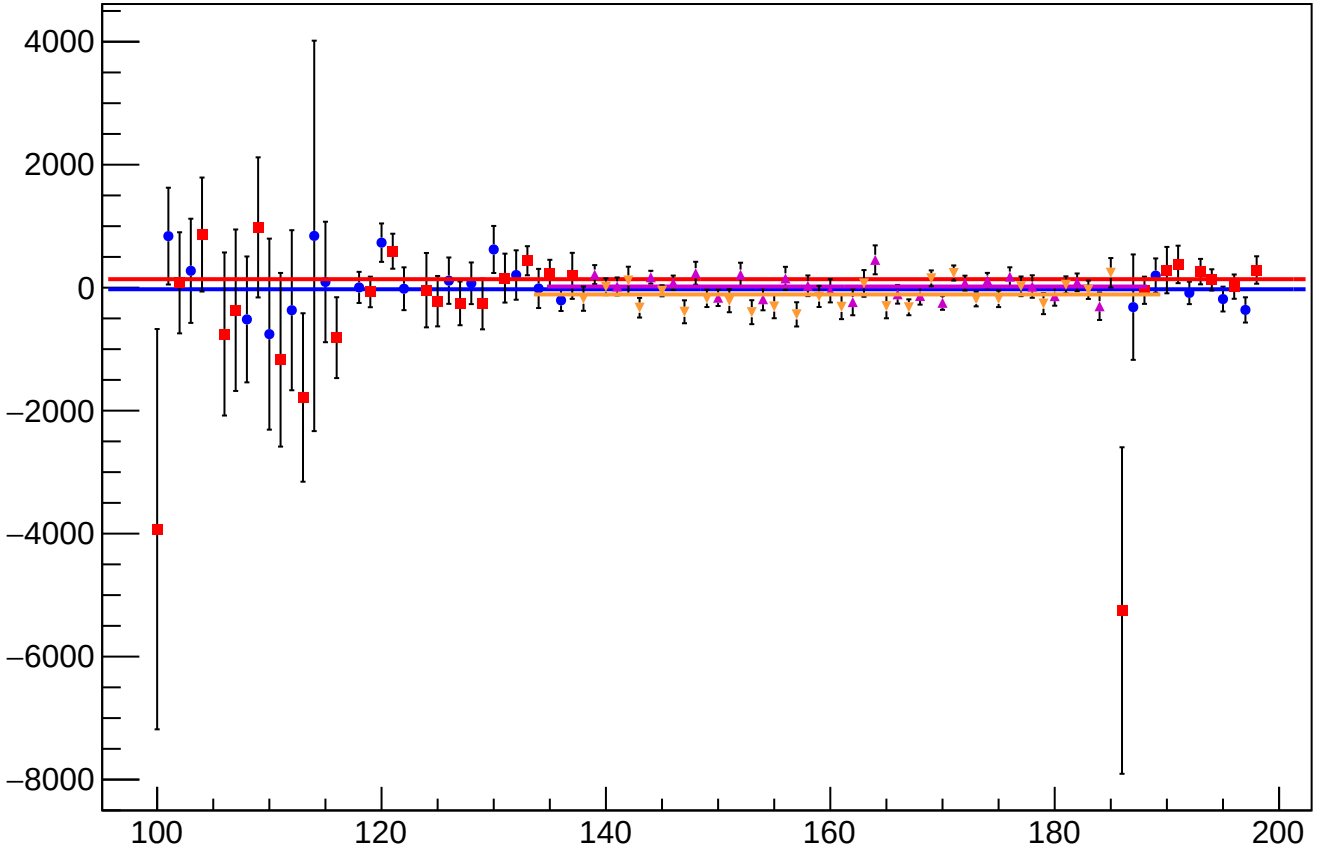
Right: 66.293+/-0.010 χ^2/NDF: 3700231.1/47

In: 46.847+/-0.006 χ^2/NDF:3921963.3/43

Out: 47.296+/-0.006 χ^2/NDF:5504918.9/51

All: 47.079+/-0.004 χ^2/NDF: 9429416.1/95

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -25.855+/-69.928 χ^2/NDF: 16.5/20

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 138.056+/-62.932 χ^2/NDF: 23.1/26

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

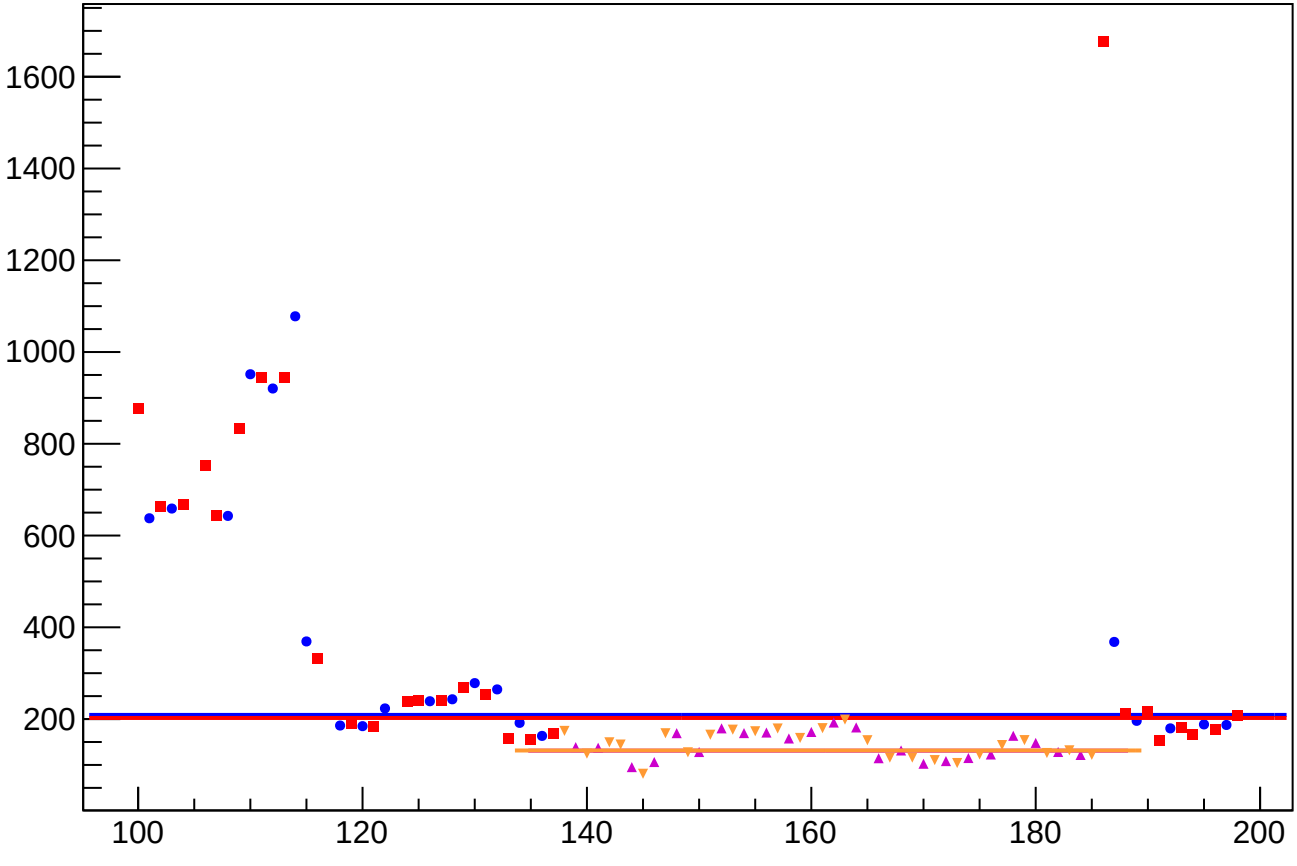
Right: 64.706+/-46.778 χ^2/NDF: 42.6/47

In: 11.308+/-28.703 χ^2/NDF:44.0/43

Out: -62.063+/-27.635 χ^2/NDF:71.9/51

All: -26.769+/-19.908 χ^2/NDF: 119.3/95

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 209.035+/-0.049 χ^2/NDF: 3256137.1/20

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 202.392+/-0.044 χ^2/NDF: 4754891.9/26

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

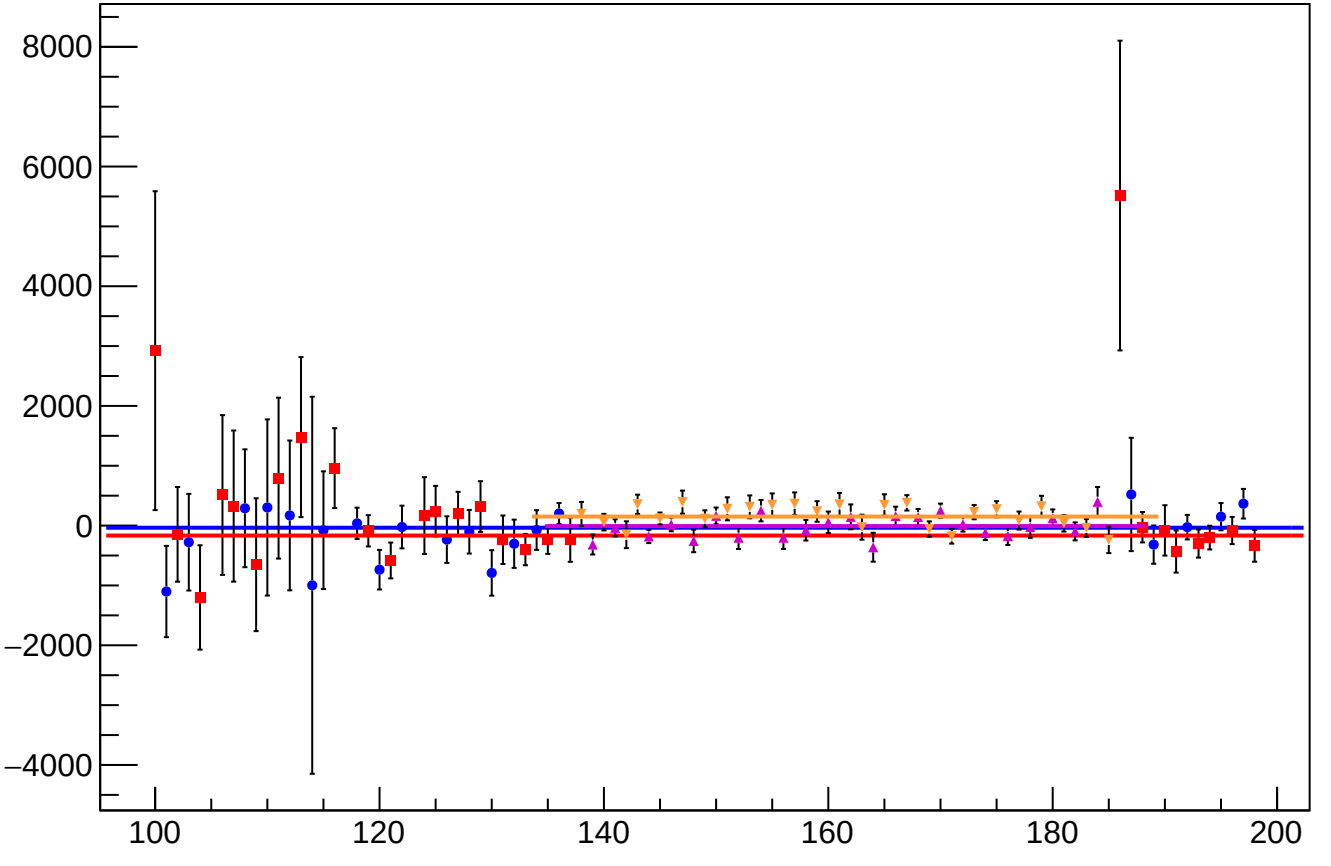
Right: 205.365+/-0.033 χ^2/NDF: 8020999.6/47

In: 144.209+/-0.020 χ^2/NDF:6791028.2/43

Out: 145.182+/-0.020 χ^2/NDF:8705533.8/51

All: 144.714+/-0.014 χ^2/NDF: 15497754.9/95

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -35.521+/-75.046 χ^2/NDF: 17.9/20

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: -166.208+/-69.361 χ^2/NDF: 21.3/26

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

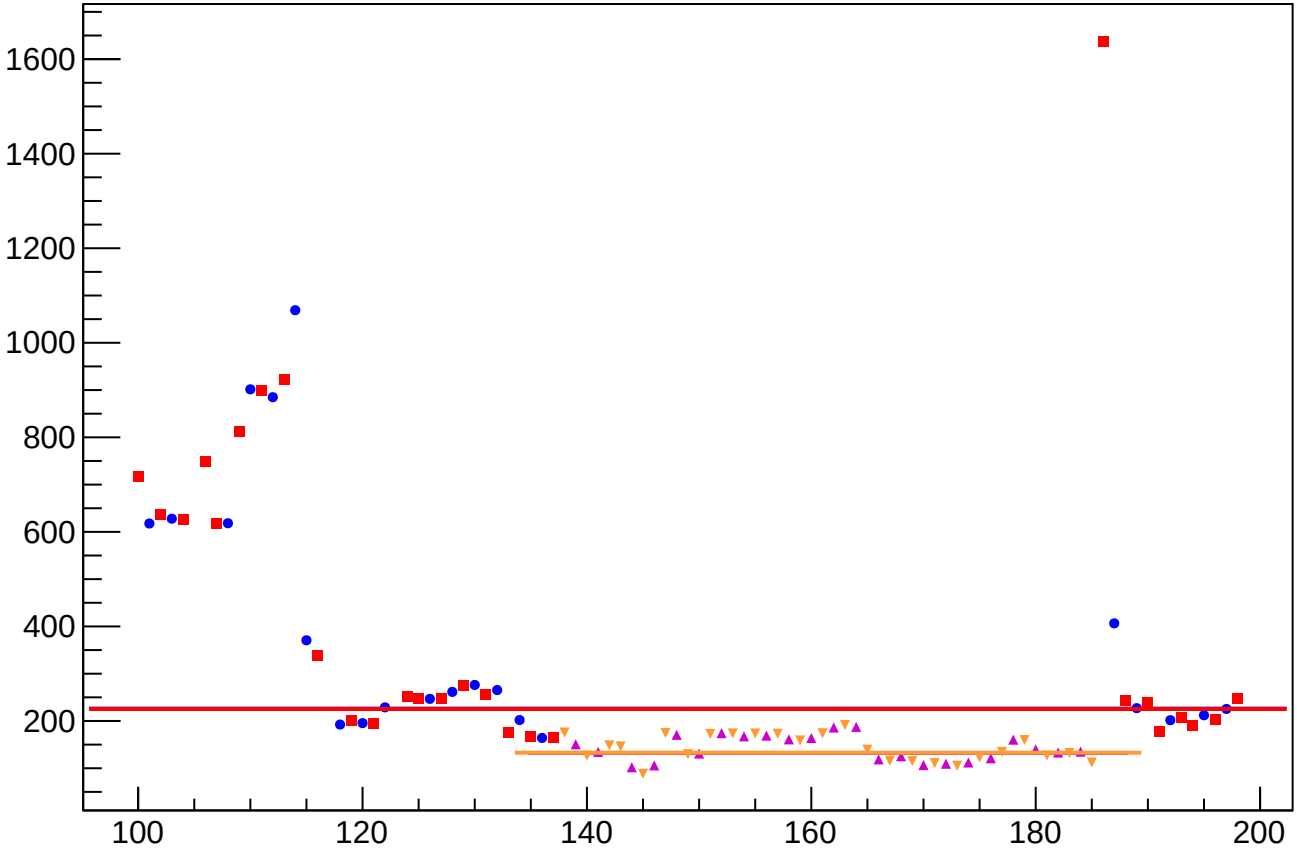
Right: -106.002+/-50.937 χ^2/NDF: 40.9/47

In: -12.099+/-29.140 χ^2/NDF:47.5/43

Out: 98.414+/-28.265 χ^2/NDF:71.9/51

All: 44.841+/-20.289 χ^2/NDF: 126.7/95

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 226.063+/-0.053 χ^2/NDF: 3001868.2/20

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

Right Out: 225.346+/-0.049 χ^2/NDF: 4296841.1/26

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

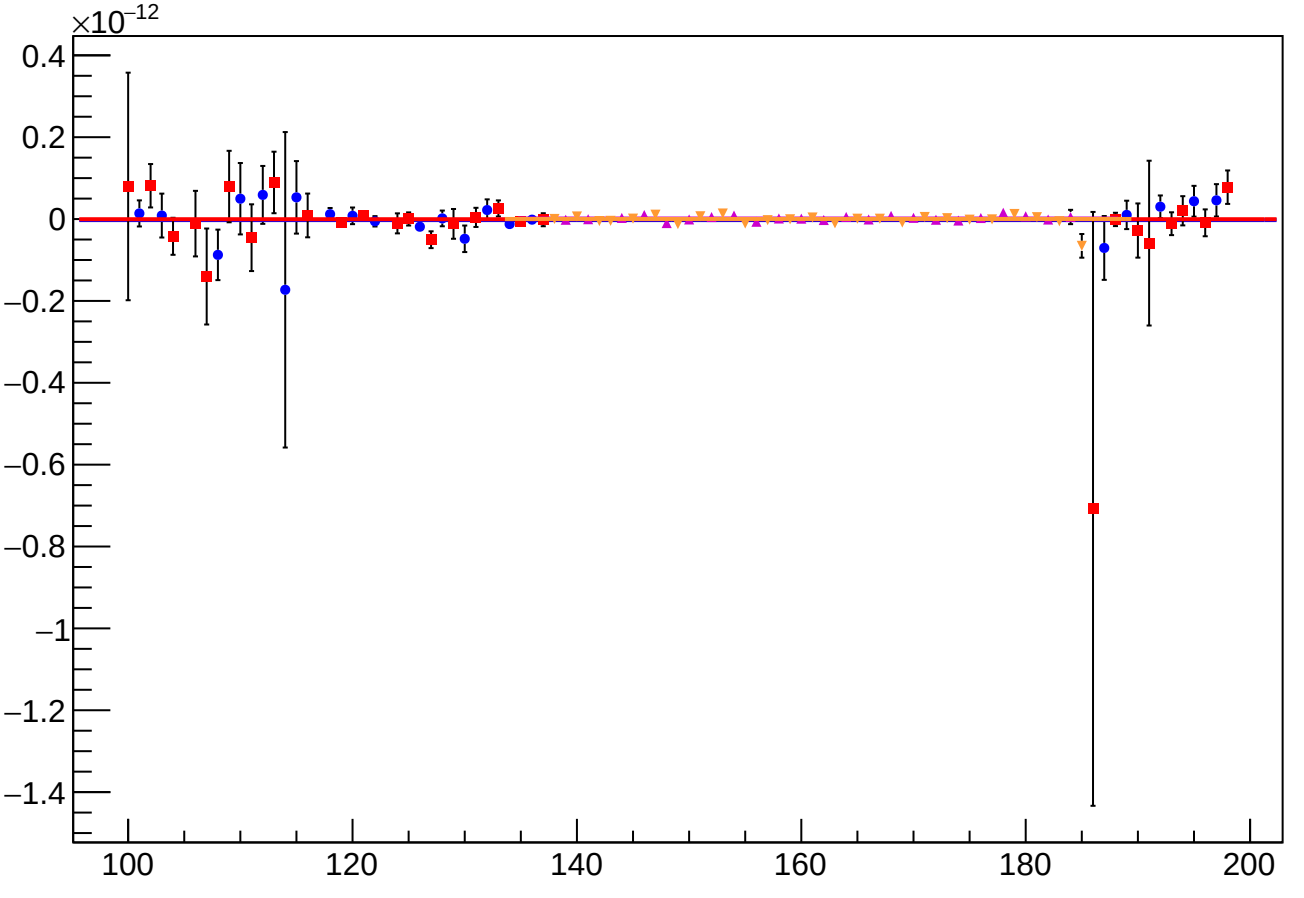
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 225.676+/-0.036 χ^2/NDF: 7298807.9/47

In: 146.472+/-0.021 χ^2/NDF:6928590.7/43

Out: 148.232+/-0.020 χ^2/NDF:8853570.3/51

All: 147.379+/-0.014 χ^2/NDF: 15785917.0/95



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/26

Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

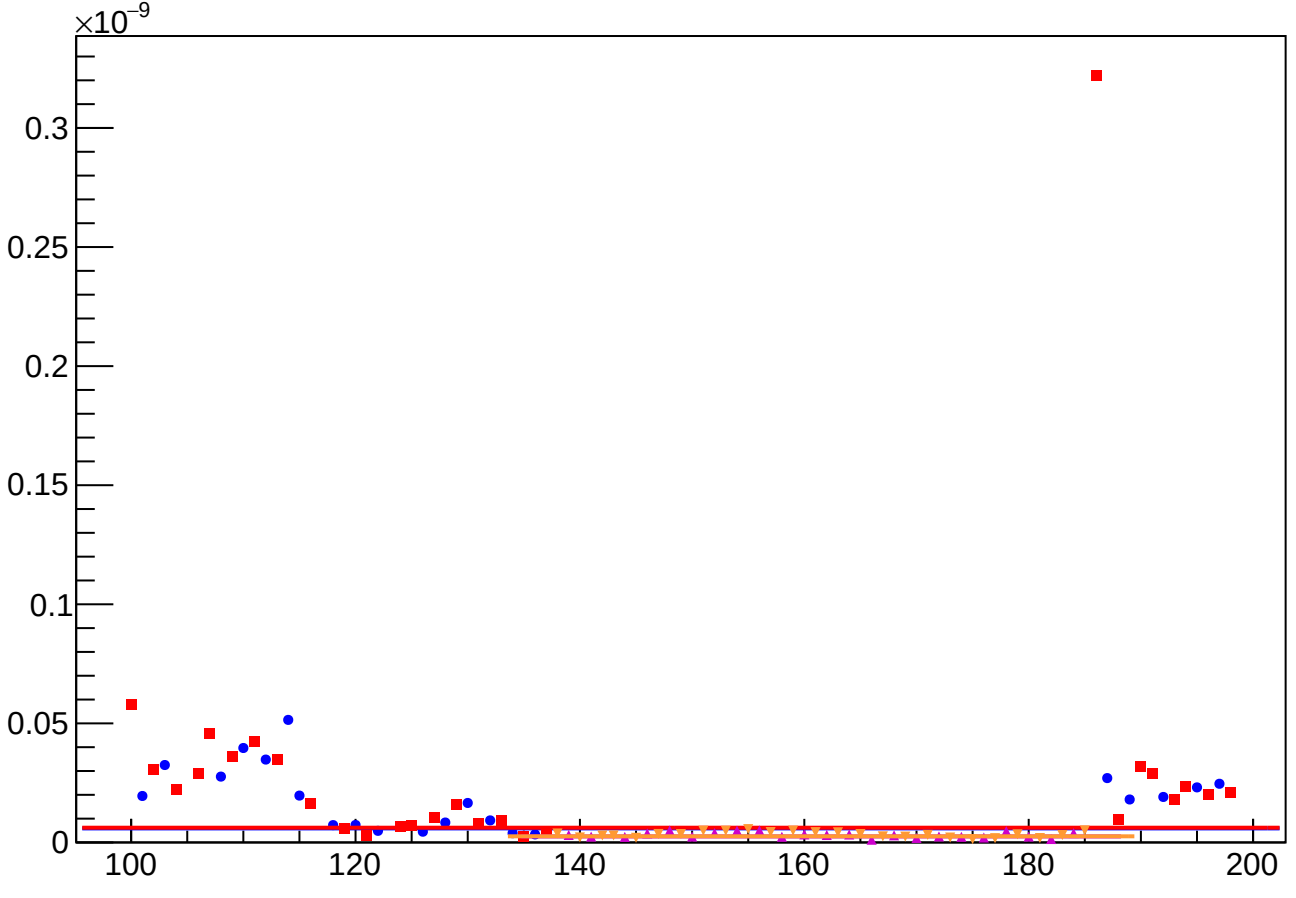
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 40.6/47

In: 0.000+/-0.000 χ^2/NDF:32.9/43

Out: 0.000+/-0.000 χ^2/NDF:55.8/51

All: 0.000+/-0.000 χ^2/NDF: 88.9/95



Right In: 0.000+/-0.000 χ^2/NDF: 4420858.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5628477.2/26

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

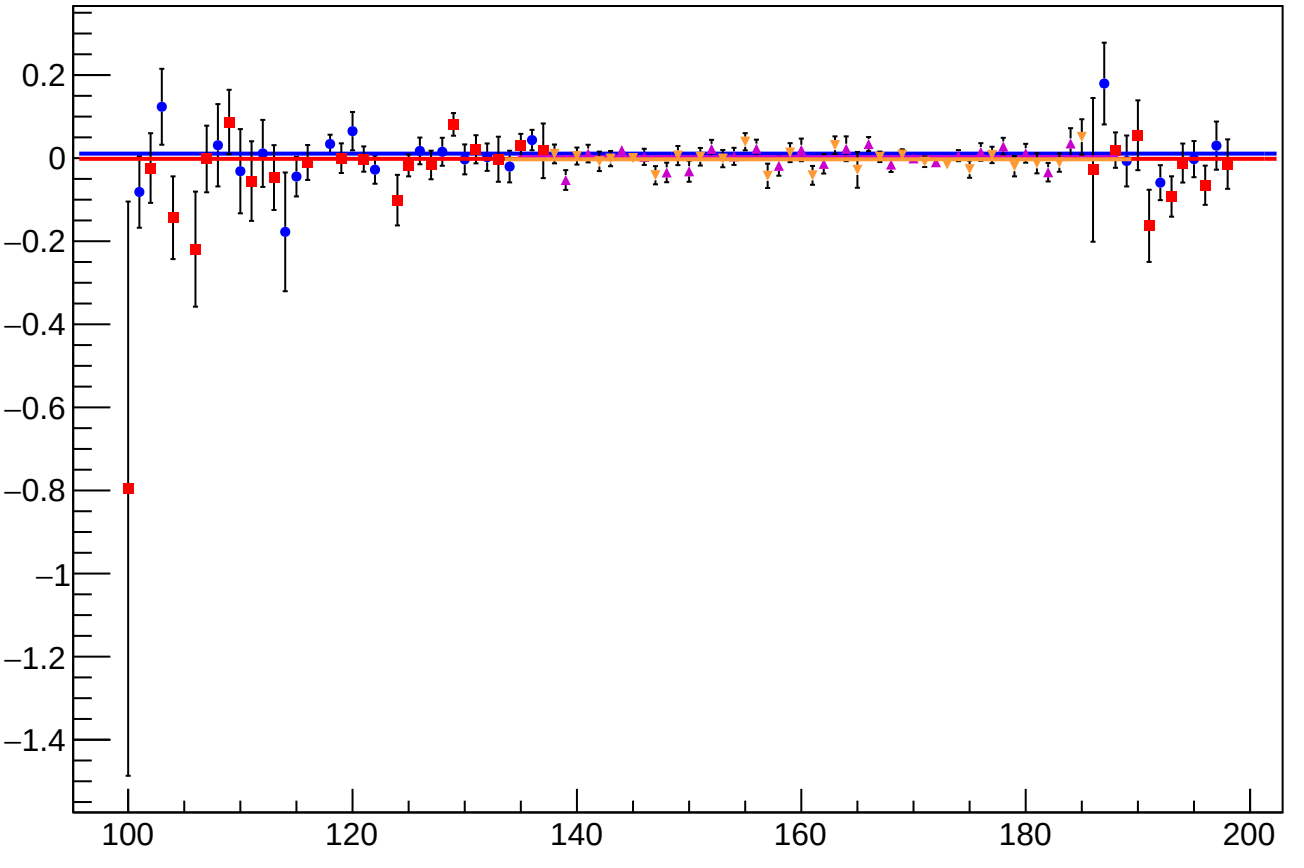
Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

Right: 0.000+/-0.000 χ^2/NDF: 10055549.2/47

In: 0.000+/-0.000 χ^2/NDF:7584110.3/43

Out: 0.000+/-0.000 χ^2/NDF:9538823.3/51

All: 0.000+/-0.000 χ^2/NDF: 17124002.3/95



Right In: 0.011+/-0.009 χ^2/NDF: 18.4/20

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.002+/-0.009 χ^2/NDF: 31.6/26

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

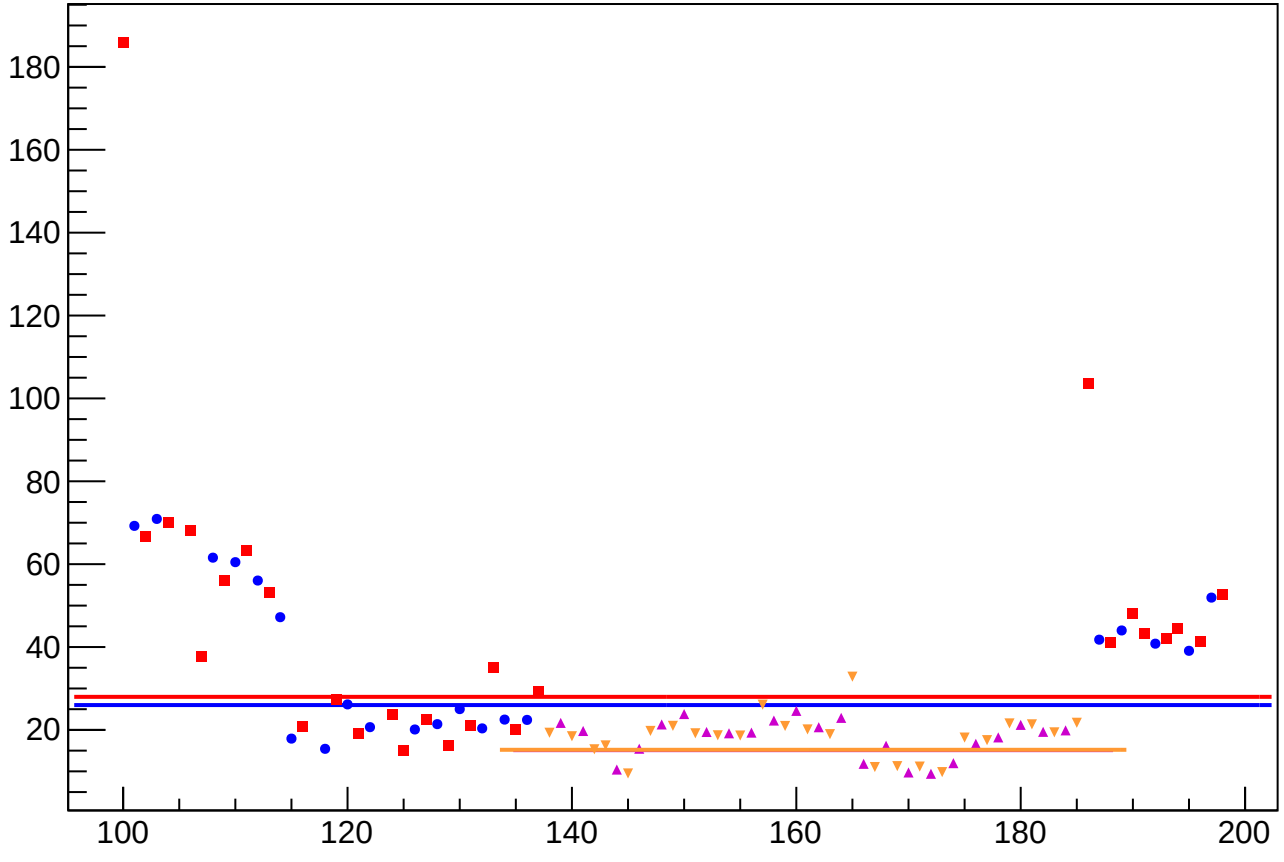
Right: 0.005+/-0.006 χ^2/NDF: 51.0/47

In: 0.004+/-0.004 χ^2/NDF:46.1/43

Out: -0.003+/-0.003 χ^2/NDF:54.3/51

All: 0.000+/-0.002 χ^2/NDF: 101.9/95

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.996+/-0.006 χ^2/NDF: 3627282.0/20

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 27.980+/-0.006 χ^2/NDF: 4905851.0/26

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

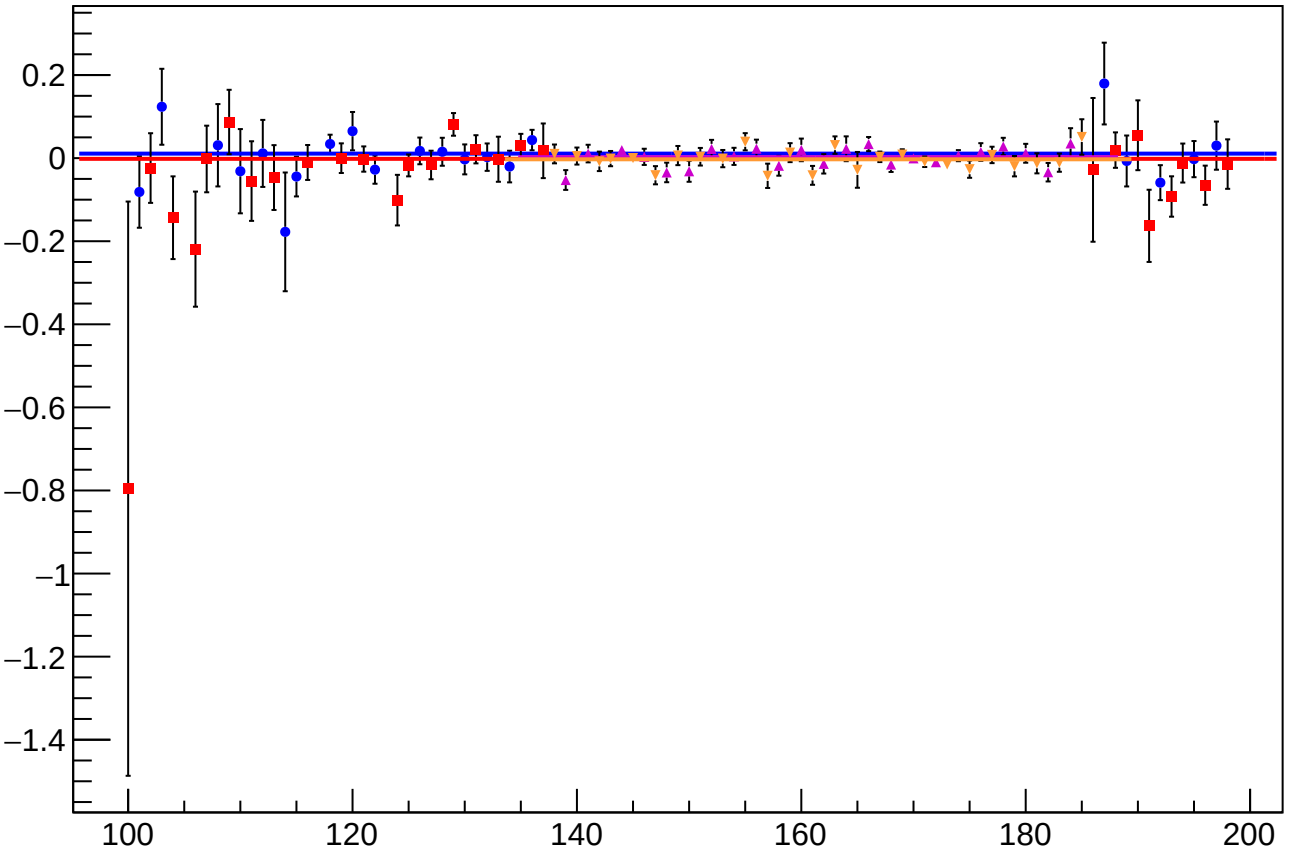
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 26.998+/-0.005 χ^2/NDF: 8581131.0/47

In: 16.750+/-0.002 χ^2/NDF:9458776.9/43

Out: 17.052+/-0.002 χ^2/NDF:11791817.4/51

All: 16.905+/-0.002 χ^2/NDF: 21258115.9/95



Right In: 0.011+/-0.009 χ^2/NDF: 18.4/20

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.002+/-0.009 χ^2/NDF: 31.6/26

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

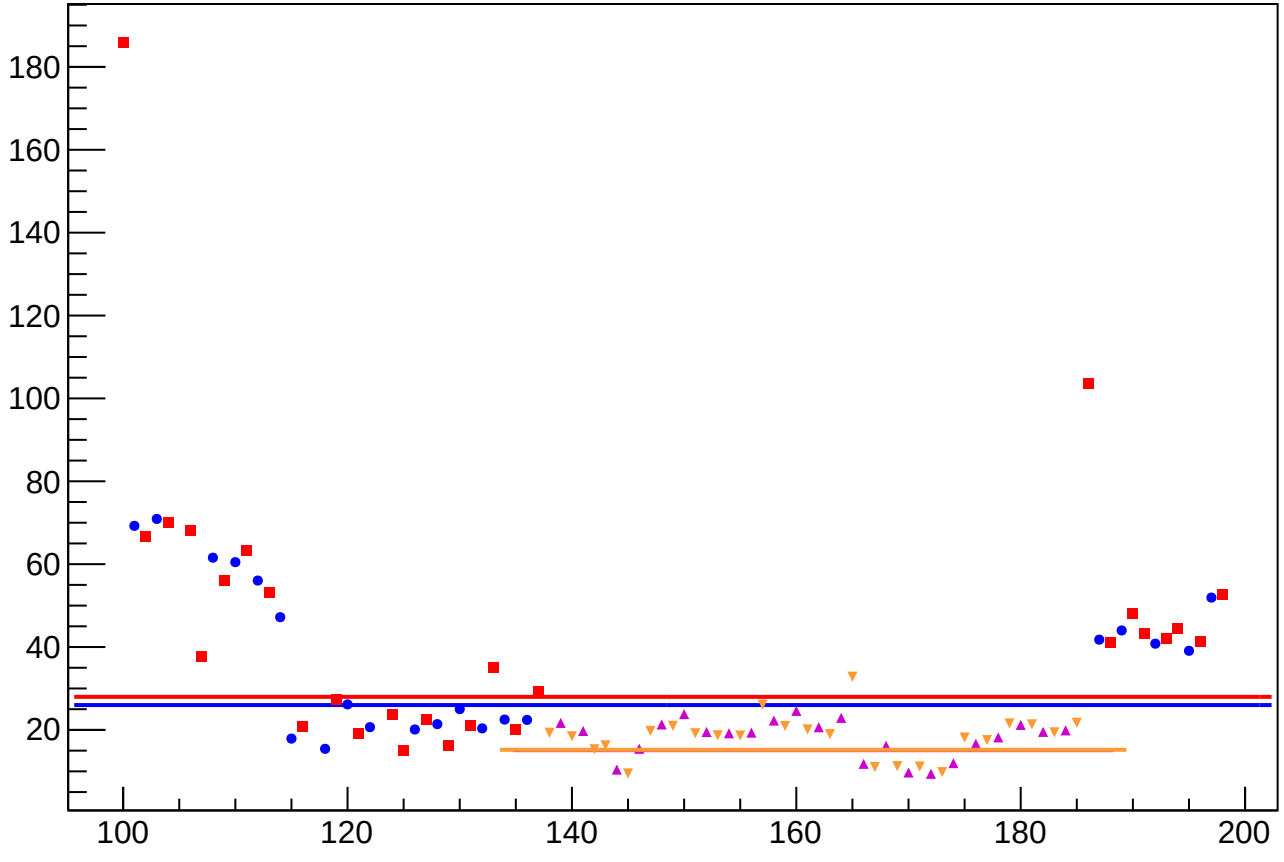
Right: 0.005+/-0.006 χ^2/NDF: 51.0/47

In: 0.004+/-0.004 χ^2/NDF:46.1/43

Out: -0.003+/-0.003 χ^2/NDF:54.3/51

All: 0.000+/-0.002 χ^2/NDF: 101.9/95

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.996+/-0.006 χ^2/NDF: 3627282.0/20

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 27.980+/-0.006 χ^2/NDF: 4905851.0/26

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

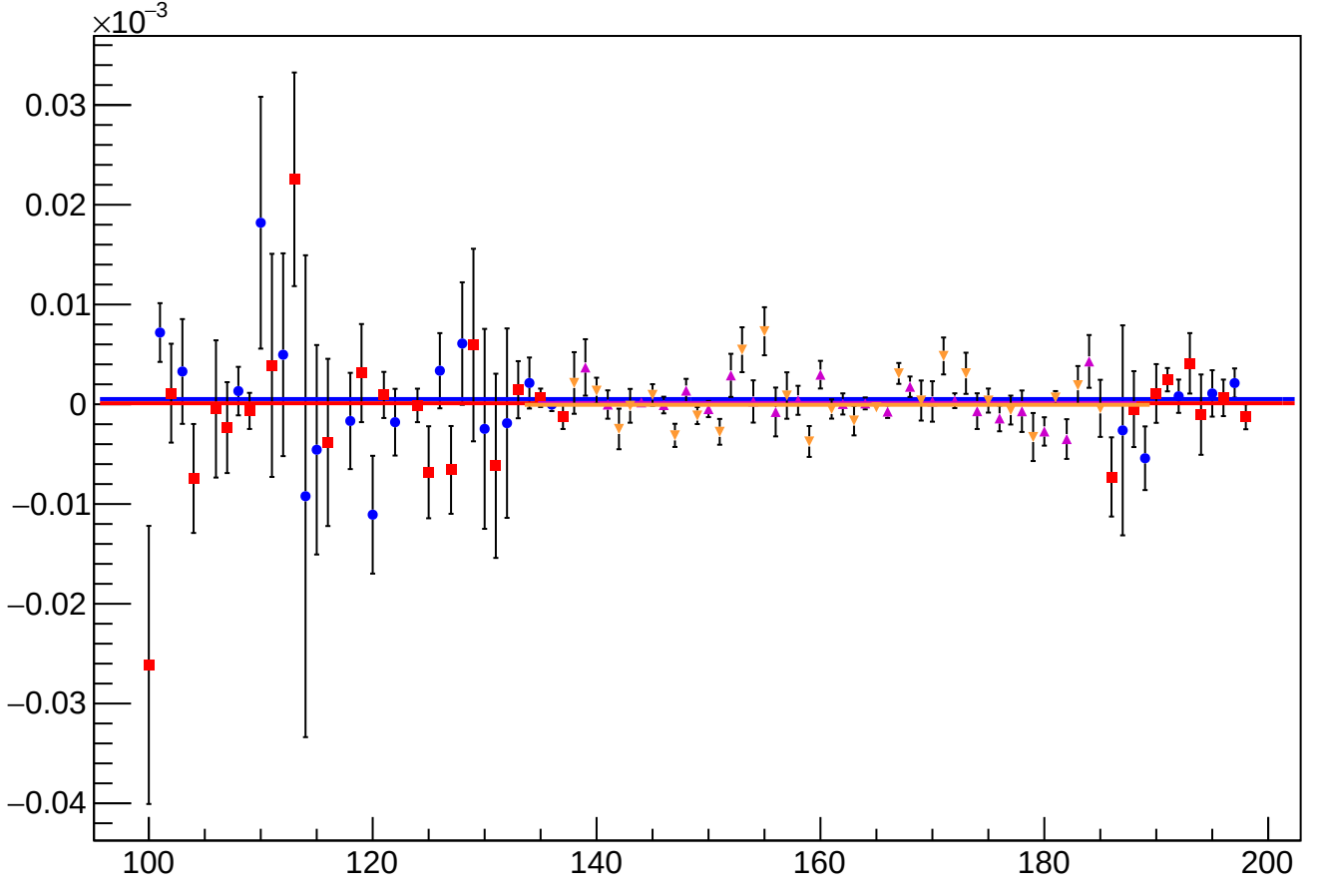
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 26.998+/-0.005 χ^2/NDF: 8581131.0/47

In: 16.750+/-0.002 χ^2/NDF:9458776.9/43

Out: 17.052+/-0.002 χ^2/NDF:11791817.4/51

All: 16.905+/-0.002 χ^2/NDF: 21258115.9/95



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.0/26

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

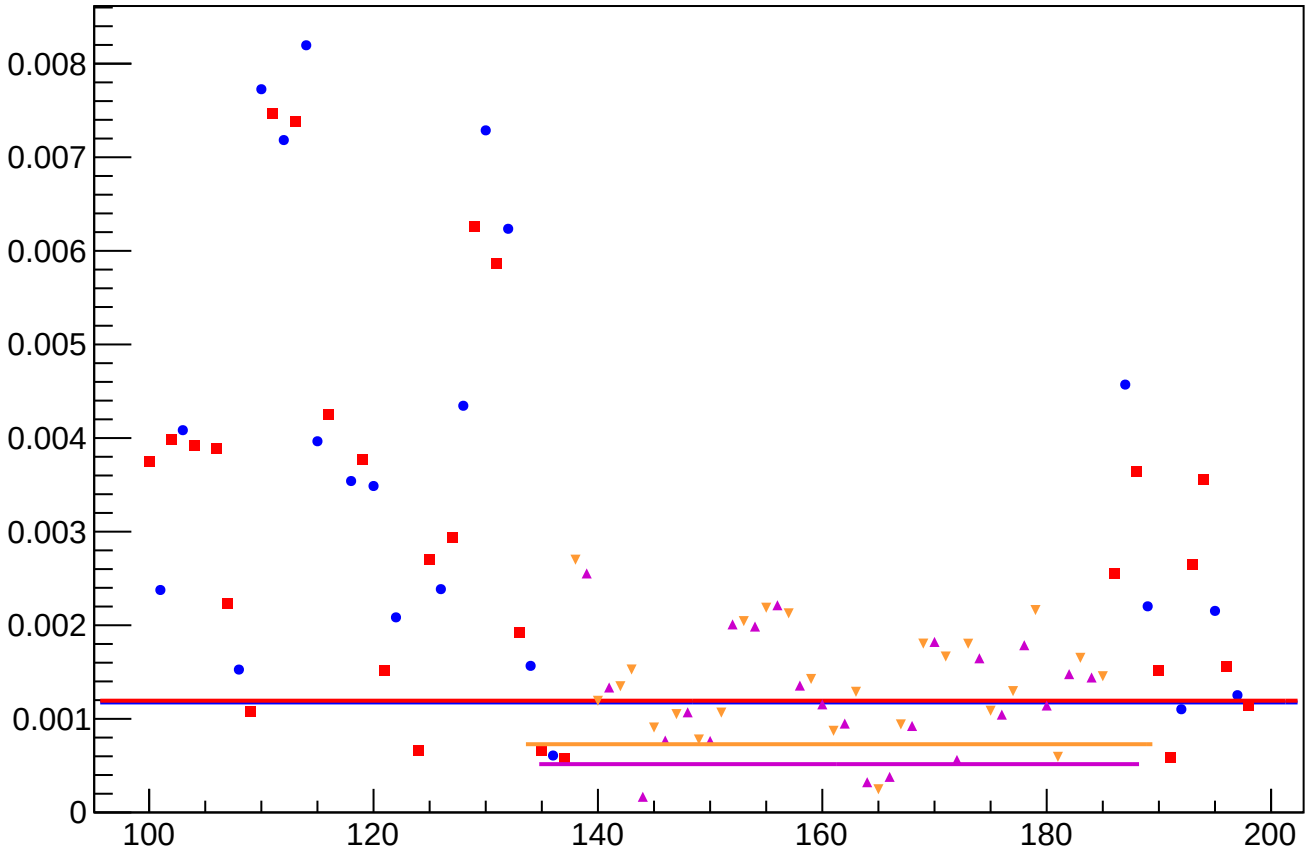
Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

Right: 0.000+/-0.000 χ^2/NDF: 49.5/47

In: 0.000+/-0.000 χ^2/NDF:46.2/43

Out: -0.000+/-0.000 χ^2/NDF:91.9/51

All: 0.000+/-0.000 χ^2/NDF: 138.7/95



Right In: 0.001+/-0.000 χ^2/NDF: 7889195.1/20

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9686011.6/26

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

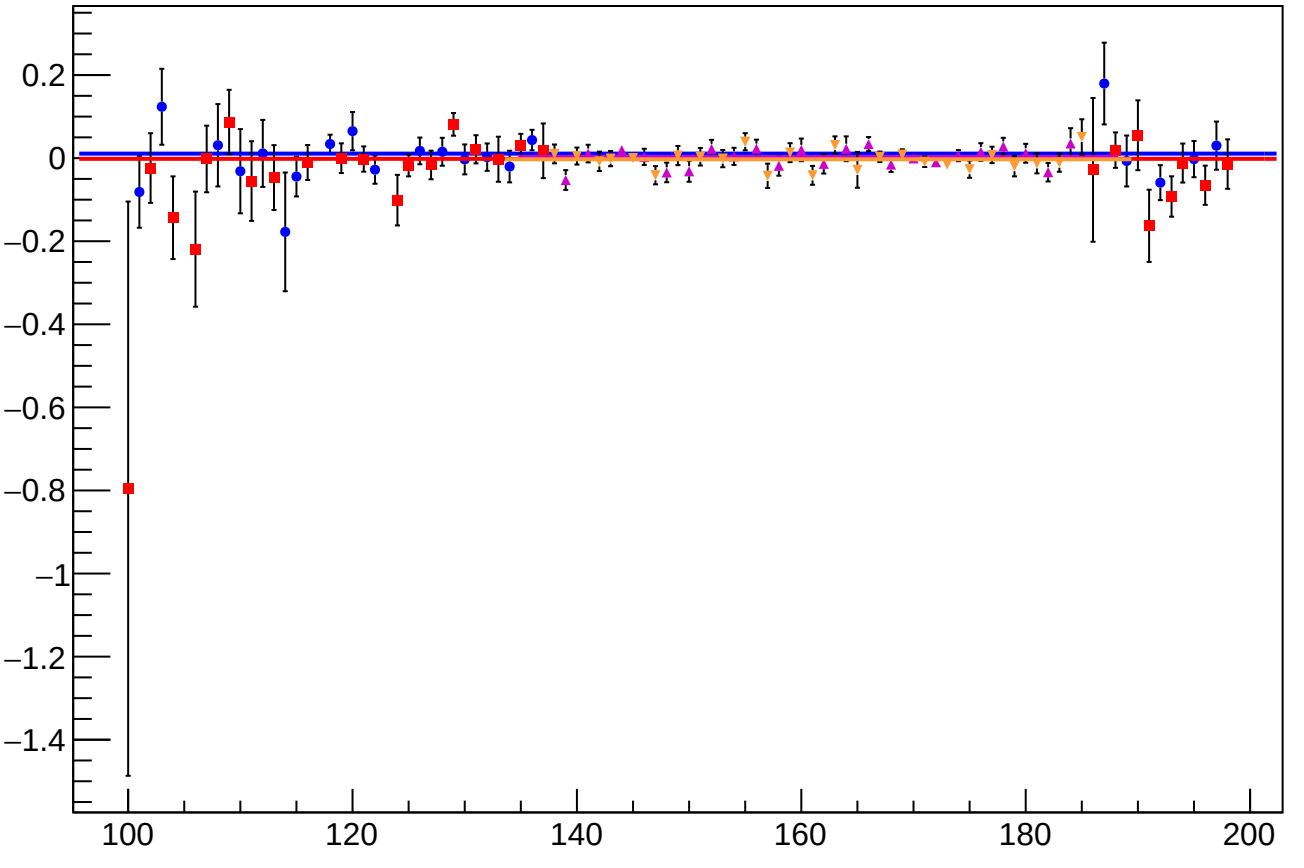
Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

Right: 0.001+/-0.000 χ^2/NDF: 17576862.1/47

In: 0.001+/-0.000 χ^2/NDF:26211030.2/43

Out: 0.001+/-0.000 χ^2/NDF:24637479.3/51

All: 0.001+/-0.000 χ^2/NDF: 52419549.2/95



Right In: 0.011+/-0.009 χ^2/NDF: 18.4/20

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.002+/-0.009 χ^2/NDF: 31.6/26

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

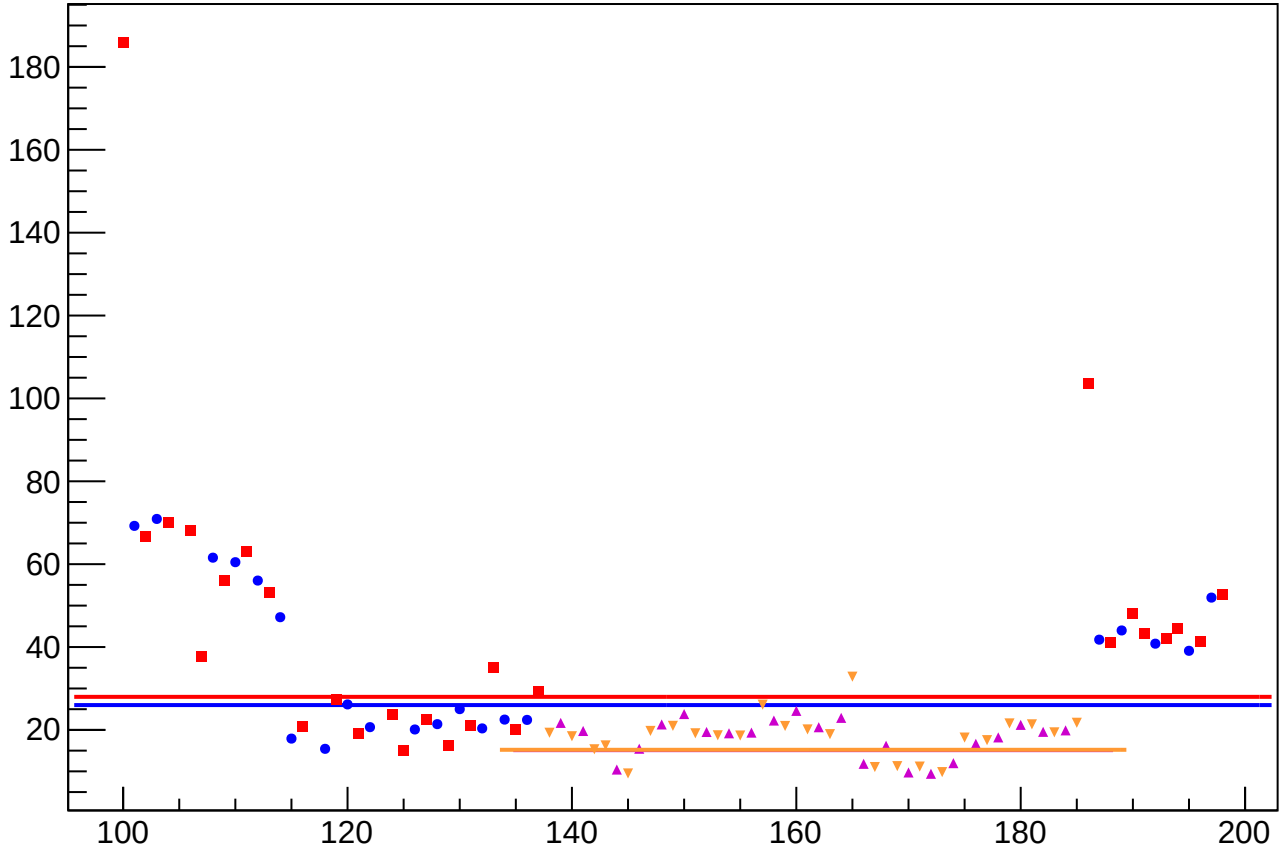
Right: 0.005+/-0.006 χ^2/NDF: 51.0/47

In: 0.004+/-0.004 χ^2/NDF:46.1/43

Out: -0.003+/-0.003 χ^2/NDF:54.3/51

All: 0.000+/-0.002 χ^2/NDF: 101.9/95

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.995+/-0.006 χ^2/NDF: 3627546.8/20

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 27.979+/-0.006 χ^2/NDF: 4906041.4/26

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

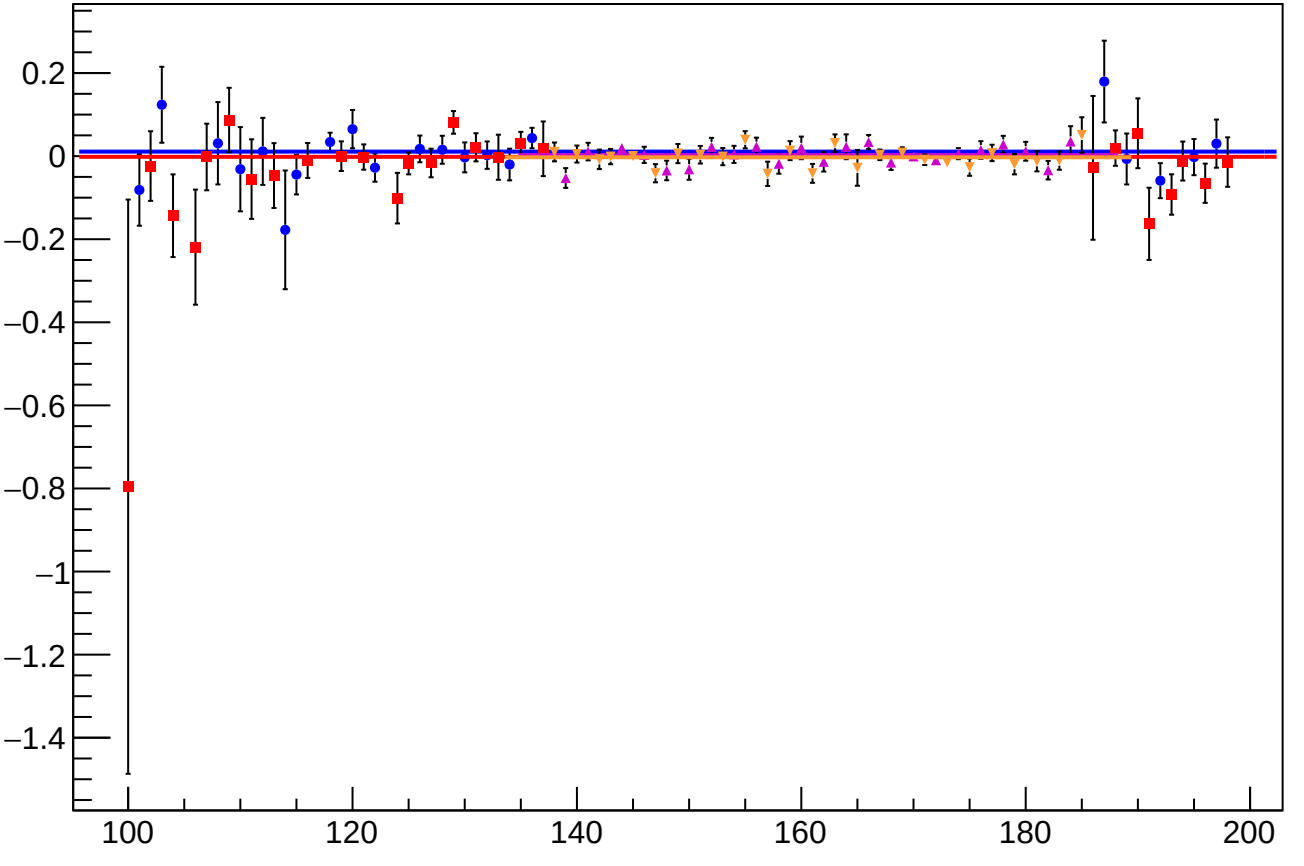
Right: 26.998+/-0.005 χ^2/NDF: 8581626.2/47

In: 16.750+/-0.002 χ^2/NDF:9458600.1/43

Out: 17.052+/-0.002 χ^2/NDF:11791860.9/51

All: 16.905+/-0.002 χ^2/NDF: 21257982.9/95

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.009 χ^2/NDF: 18.4/20

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.002+/-0.009 χ^2/NDF: 31.6/26

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

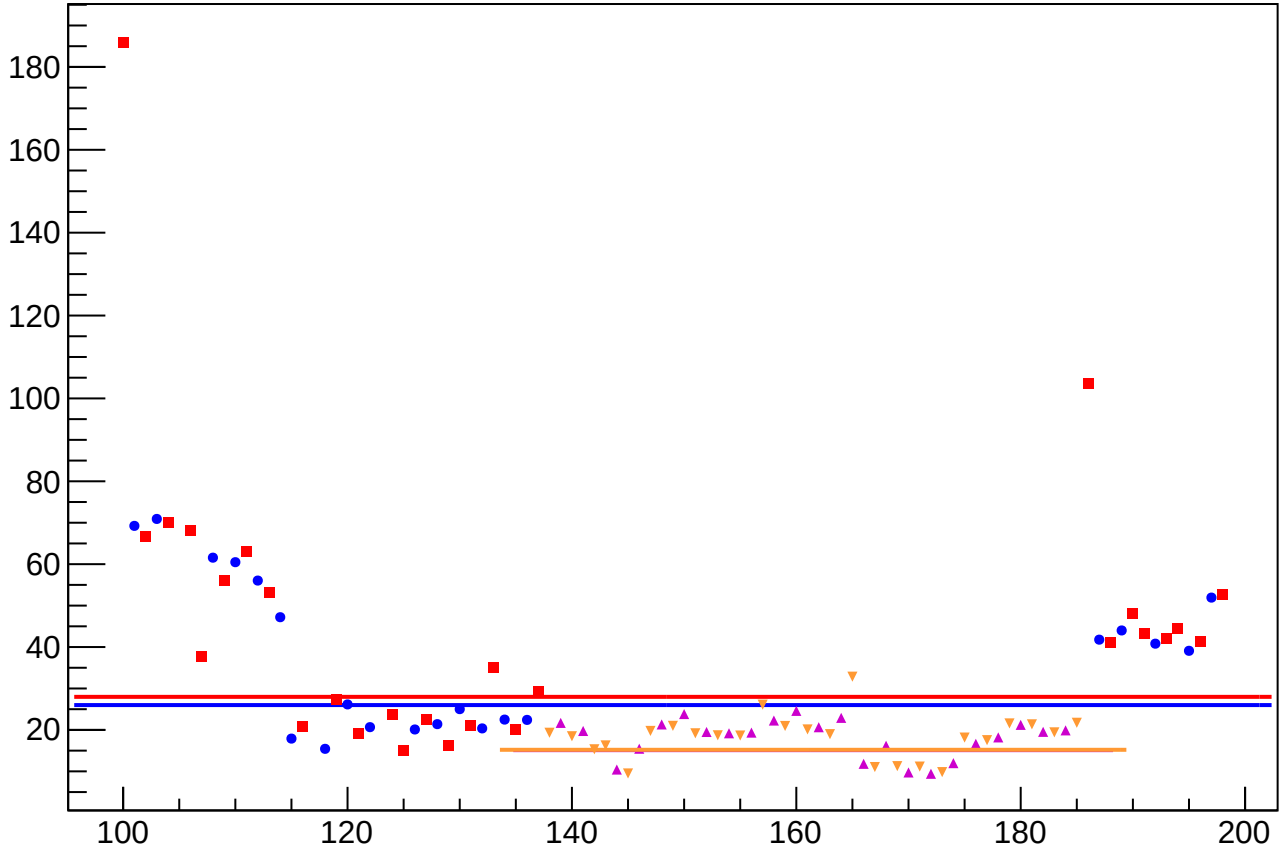
Right: 0.005+/-0.006 χ^2/NDF: 51.0/47

In: 0.004+/-0.004 χ^2/NDF:46.1/43

Out: -0.003+/-0.003 χ^2/NDF:54.3/51

All: 0.000+/-0.002 χ^2/NDF: 101.9/95

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.995+/-0.006 χ^2/NDF: 3627546.8/20

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 27.979+/-0.006 χ^2/NDF: 4906041.4/26

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

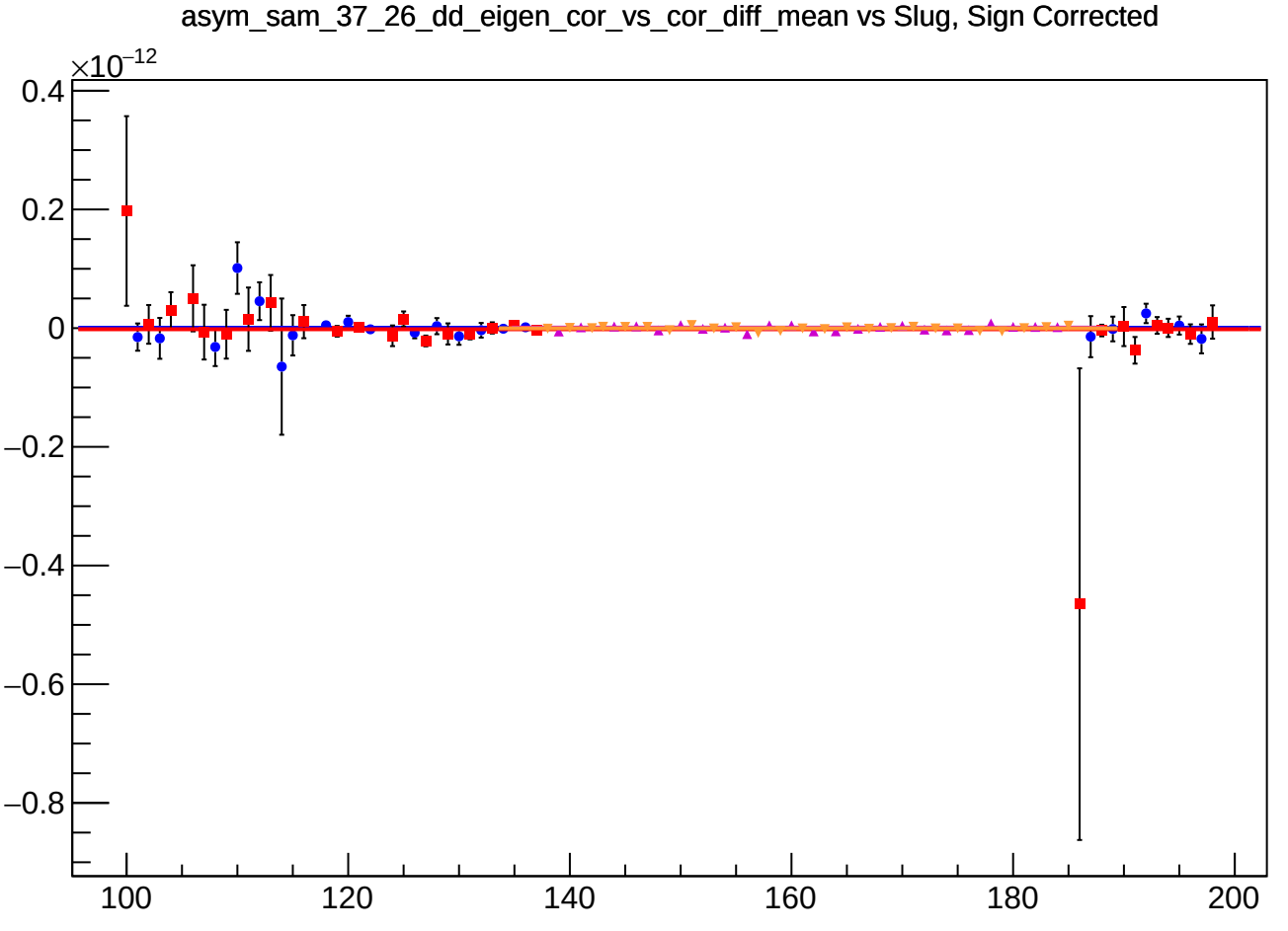
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

Right: 26.998+/-0.005 χ^2/NDF: 8581626.2/47

In: 16.750+/-0.002 χ^2/NDF:9458600.1/43

Out: 17.052+/-0.002 χ^2/NDF:11791860.9/51

All: 16.905+/-0.002 χ^2/NDF: 21257982.9/95



Right In: 0.000+/-0.000 χ^2/NDF: 16.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/26

Left In: 0.000+/-0.000 χ^2/NDF:39.5/22

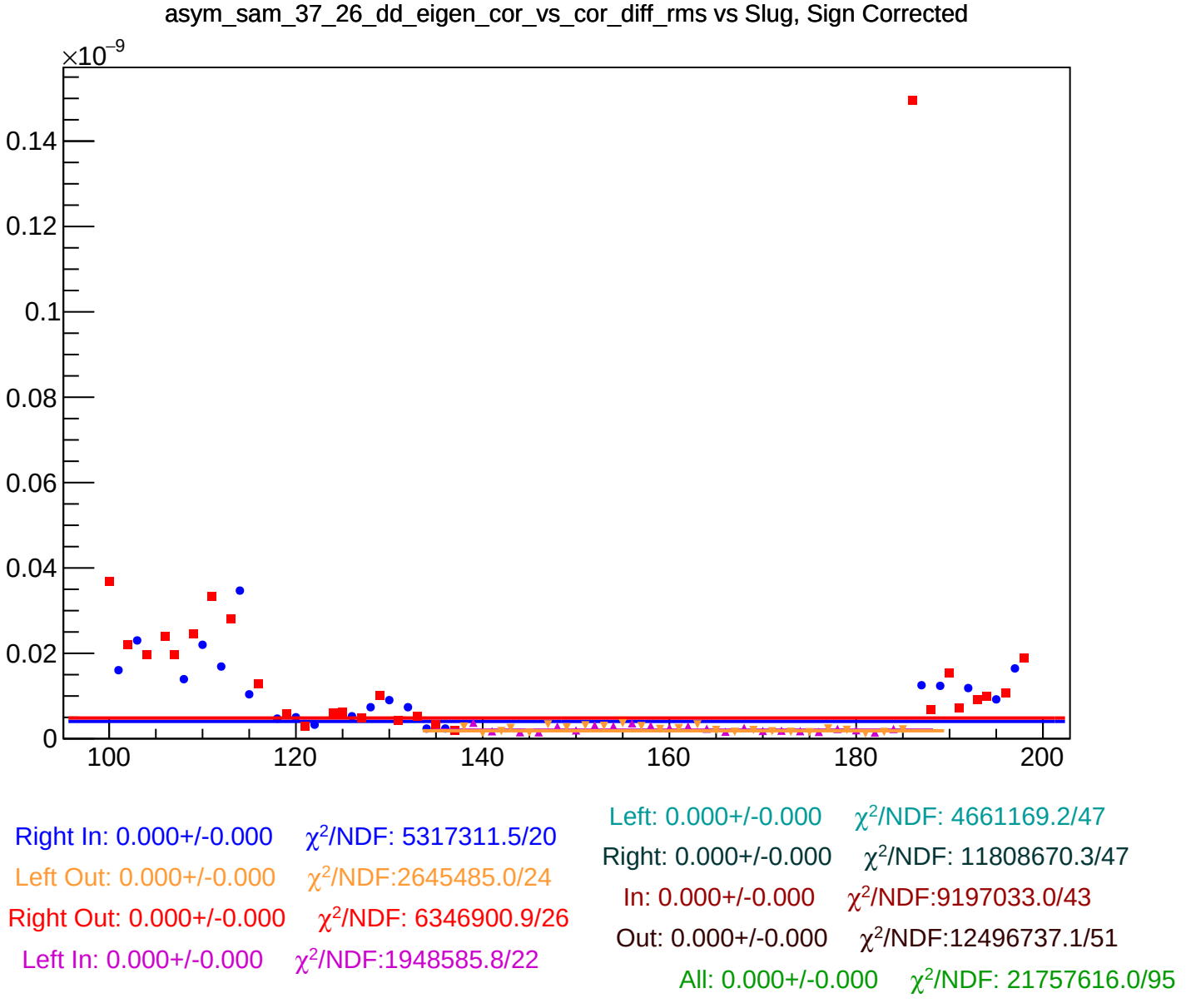
Left: 0.000+/-0.000 χ^2/NDF: 62.7/47

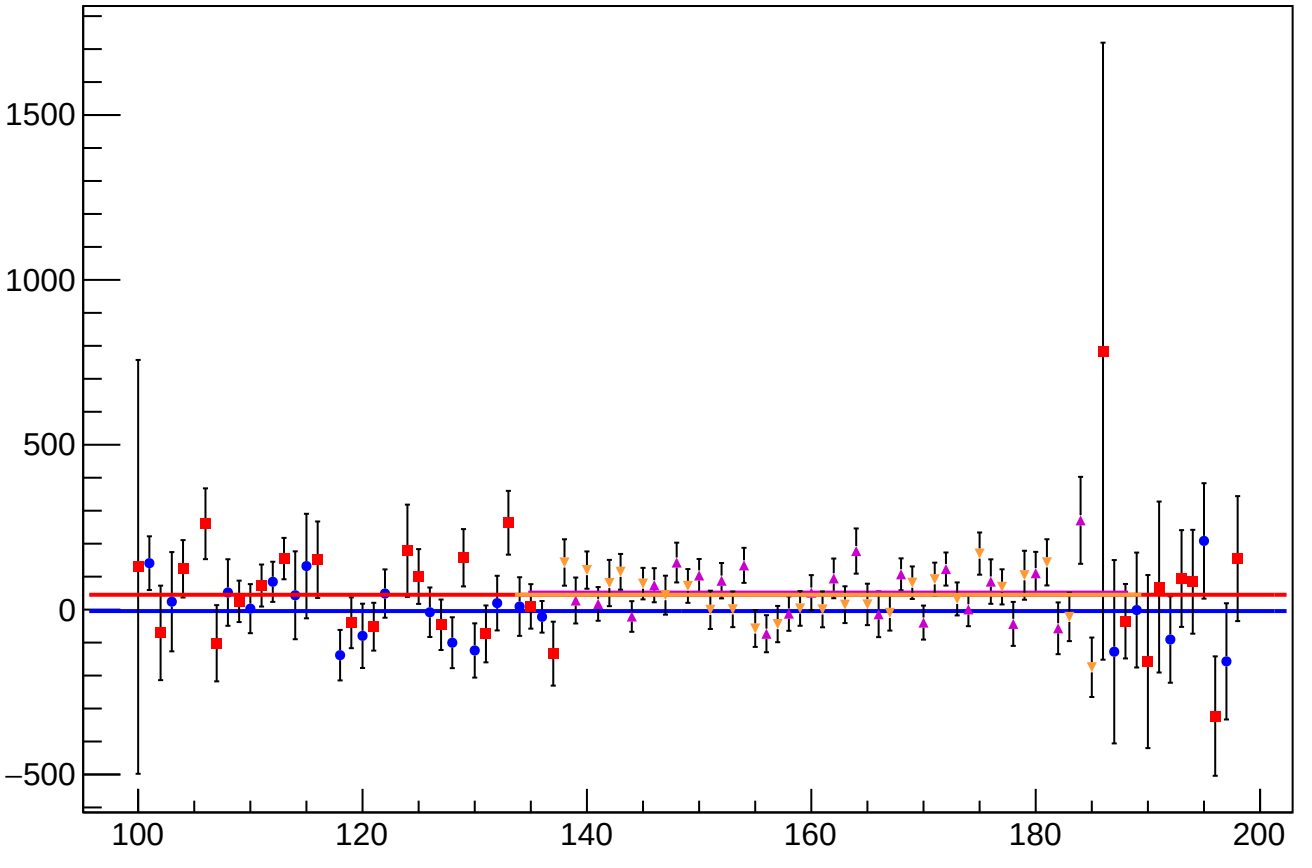
Right: -0.000+/-0.000 χ^2/NDF: 36.9/47

In: 0.000+/-0.000 χ^2/NDF:55.5/43

Out: -0.000+/-0.000 χ^2/NDF:42.1/51

All: 0.000+/-0.000 χ^2/NDF: 99.8/95


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: 5317311.5/20
Left Out: 0.000+/-0.000 χ²/NDF:2645485.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 6346900.9/26
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: 11808670.3/47
In: 0.000+/-0.000 χ²/NDF:9197033.0/43
Out: 0.000+/-0.000 χ²/NDF:12496737.1/51
All: 0.000+/-0.000 χ²/NDF: 21757616.0/95



Right In: -4.403+/-19.352 χ^2/NDF: 17.5/20

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: 45.064+/-18.727 χ^2/NDF: 35.8/26

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

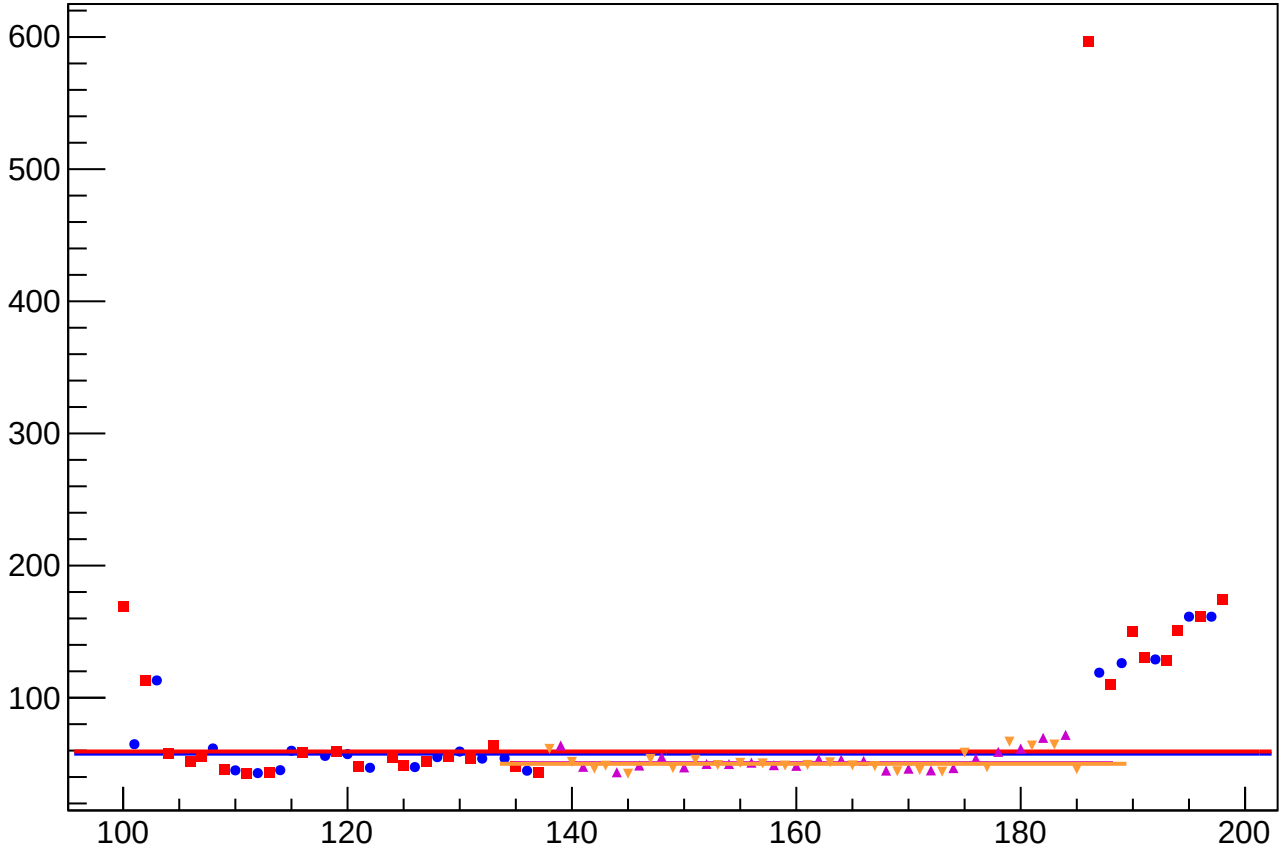
Right: 21.142+/-13.457 χ^2/NDF: 56.6/47

In: 36.192+/-10.154 χ^2/NDF:59.4/43

Out: 45.085+/-9.796 χ^2/NDF:67.1/51

All: 40.798+/-7.050 χ^2/NDF: 126.9/95

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 57.691+/-0.014 χ^2/NDF: 3107993.4/20

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 59.312+/-0.013 χ^2/NDF: 4890537.0/26

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

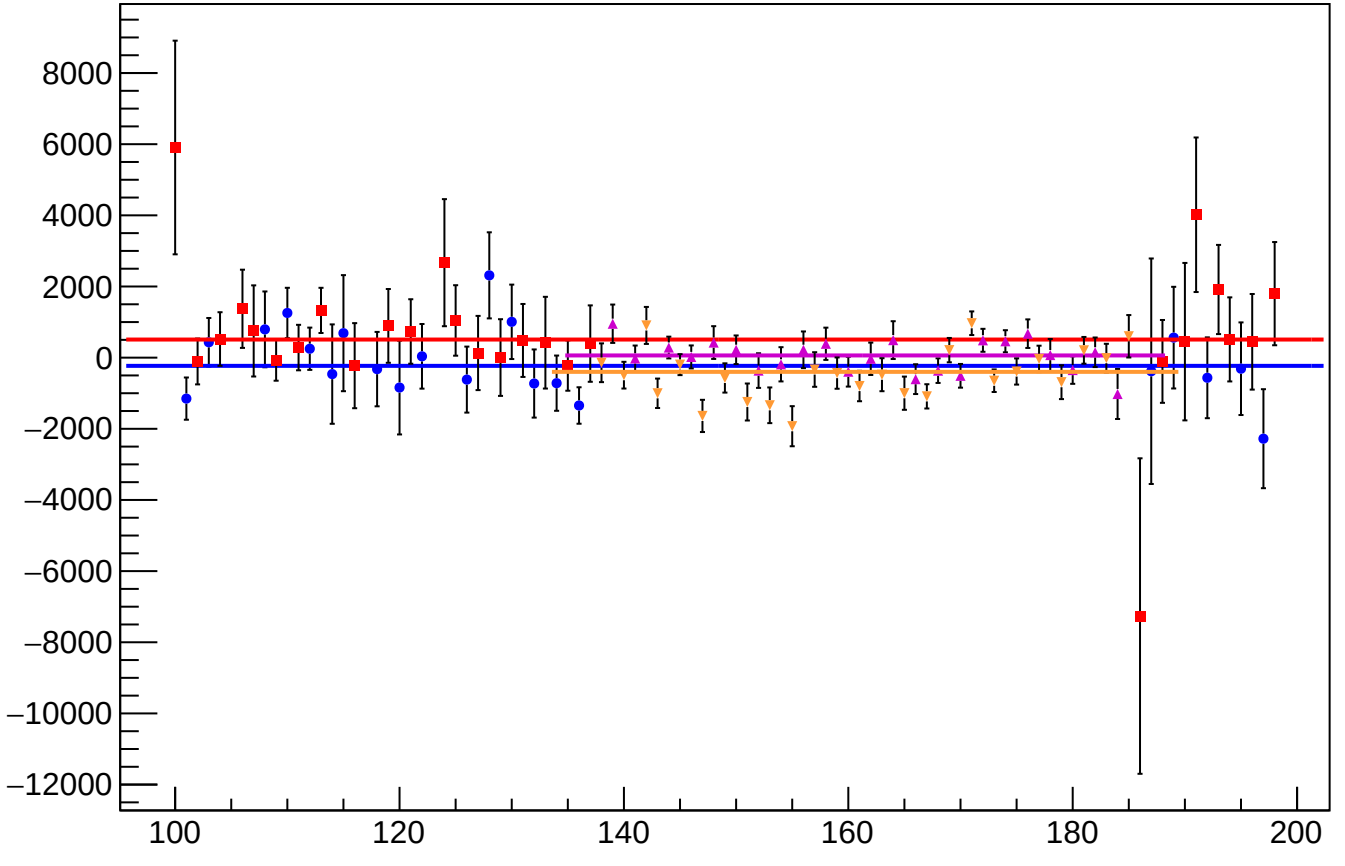
Right: 58.528+/-0.010 χ^2/NDF: 8005775.2/47

In: 52.489+/-0.007 χ^2/NDF:3810872.6/43

Out: 52.564+/-0.007 χ^2/NDF:5757221.7/51

All: 52.528+/-0.005 χ^2/NDF: 9568150.4/95

asym_sam_1357_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -230.575+/-195.817 χ^2/NDF: 24.0/20

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: 509.036+/-190.226 χ^2/NDF: 19.4/26

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

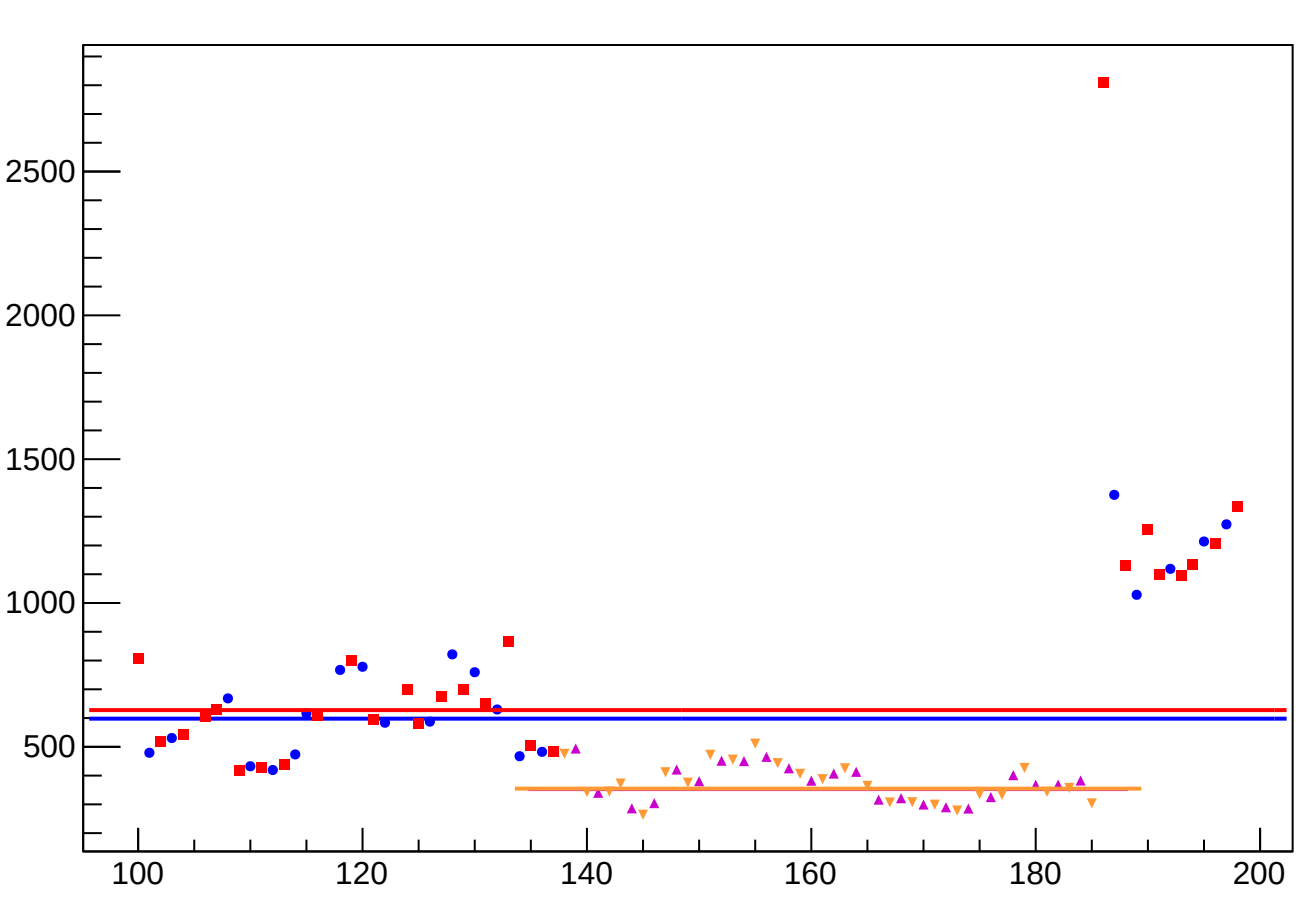
Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

Right: 149.939+/-136.444 χ^2/NDF: 50.7/47

In: 16.659+/-77.113 χ^2/NDF:49.8/43

Out: -256.831+/-75.351 χ^2/NDF:104.0/51

All: -123.247+/-53.893 χ^2/NDF: 160.2/95



Right In: 597.960+/-0.138 χ^2/NDF: 2422973.9/20

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 627.685+/-0.135 χ^2/NDF: 3592823.5/26

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

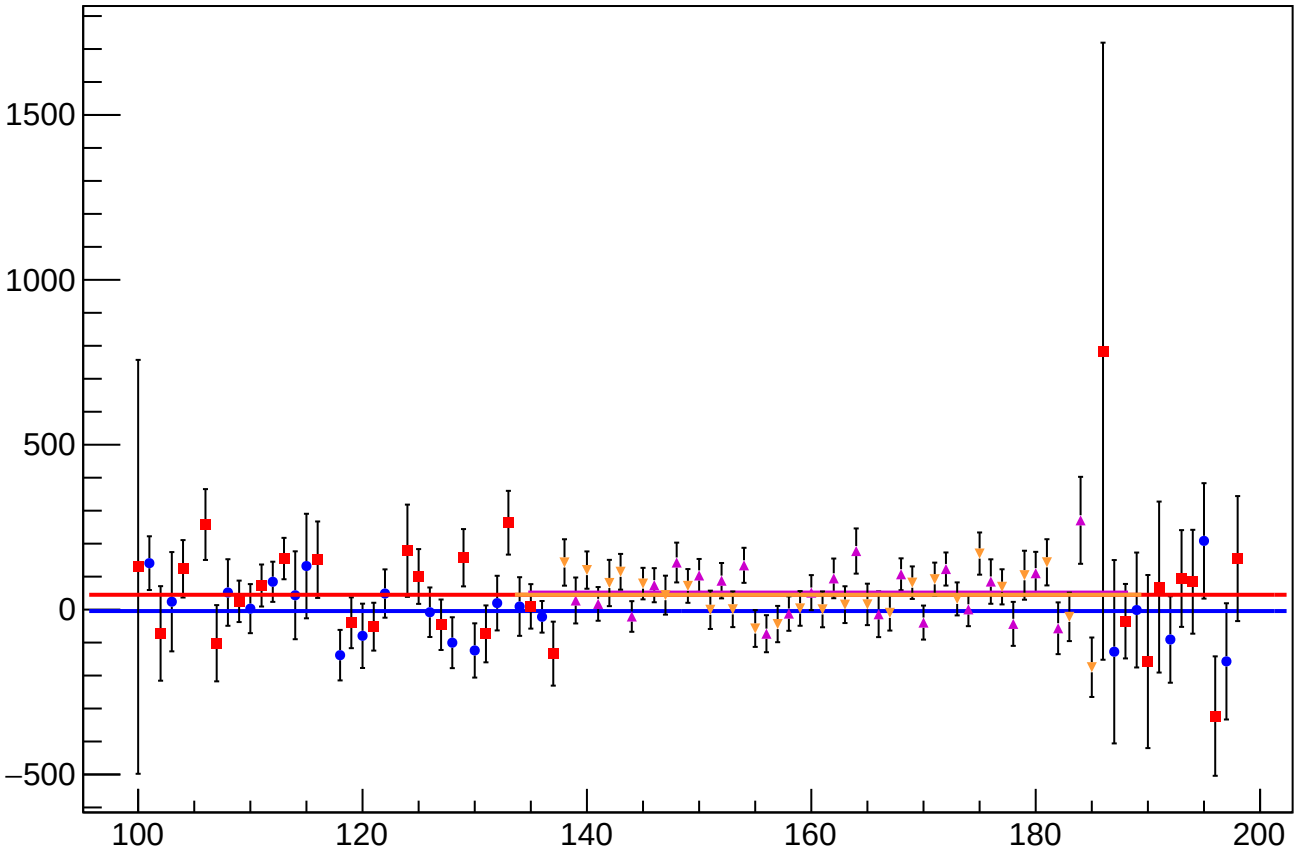
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 613.253+/-0.096 χ^2/NDF: 6039508.0/47

In: 391.082+/-0.055 χ^2/NDF:6069179.9/43

Out: 397.507+/-0.053 χ^2/NDF:8211569.7/51

All: 394.369+/-0.038 χ^2/NDF: 14287853.9/95



Right In: -4.407+/-19.352 χ^2/NDF: 17.5/20

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 44.957+/-18.727 χ^2/NDF: 35.7/26

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

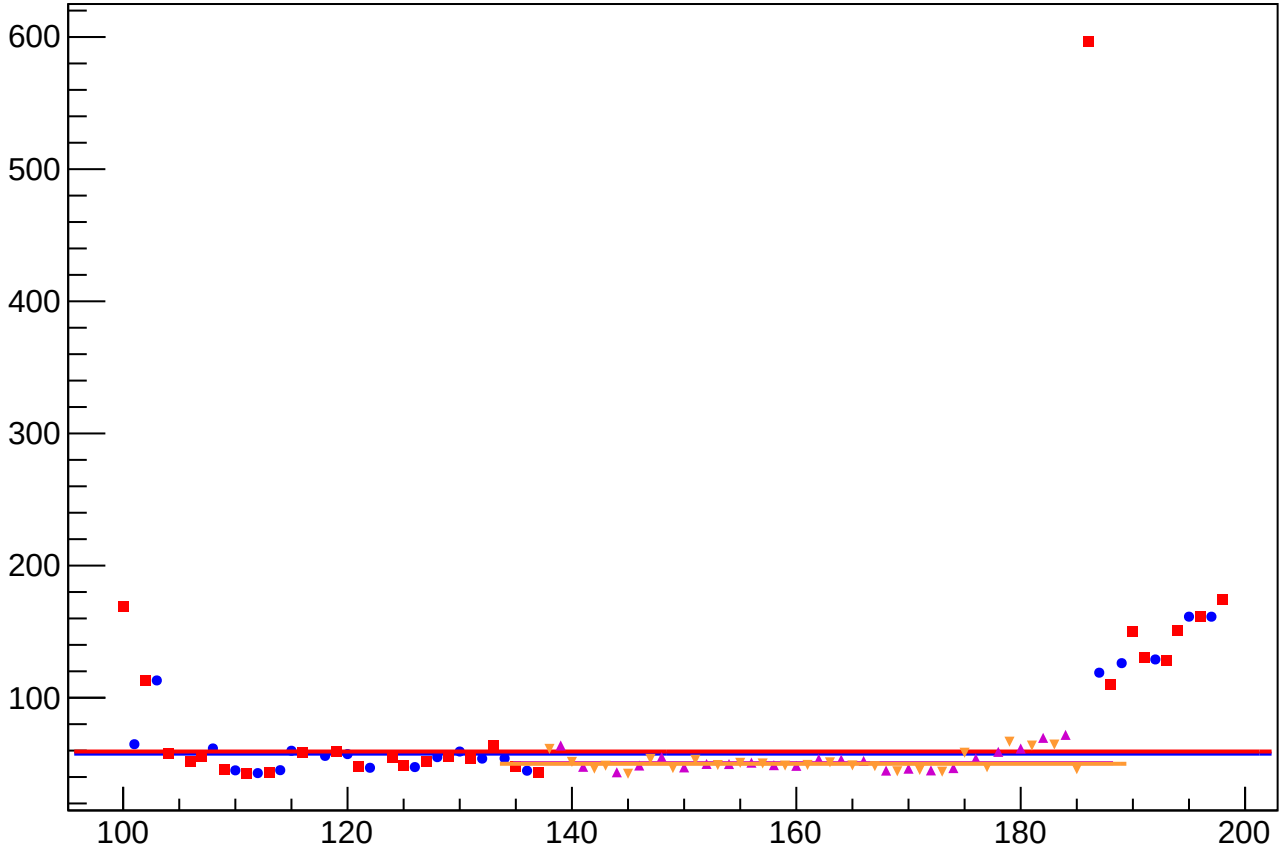
Right: 21.084+/-13.458 χ^2/NDF: 56.5/47

In: 36.190+/-10.154 χ^2/NDF:59.4/43

Out: 45.058+/-9.796 χ^2/NDF:67.0/51

All: 40.783+/-7.050 χ^2/NDF: 126.8/95

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 57.691+/-0.014 χ^2/NDF: 3107995.7/20

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 59.303+/-0.013 χ^2/NDF: 4891571.6/26

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

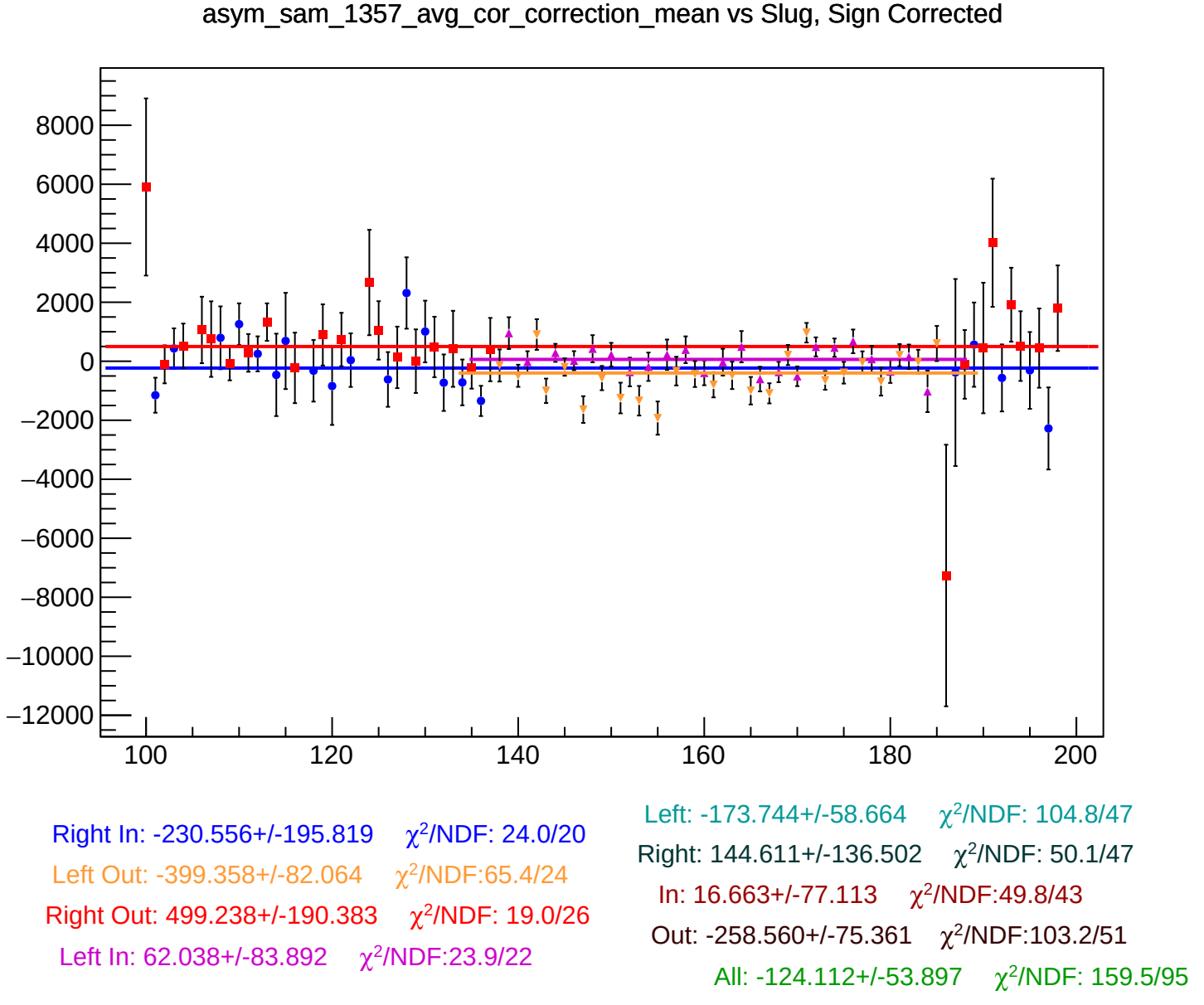
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 58.524+/-0.010 χ^2/NDF: 8006731.6/47

In: 52.489+/-0.007 χ^2/NDF:3810874.9/43

Out: 52.561+/-0.007 χ^2/NDF:5757550.2/51

All: 52.526+/-0.005 χ^2/NDF: 9568477.4/95


asym_sam_1357_avg_cor_correction_mean vs Slug, Sign Corrected
8000
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−2000
−4000
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−8000
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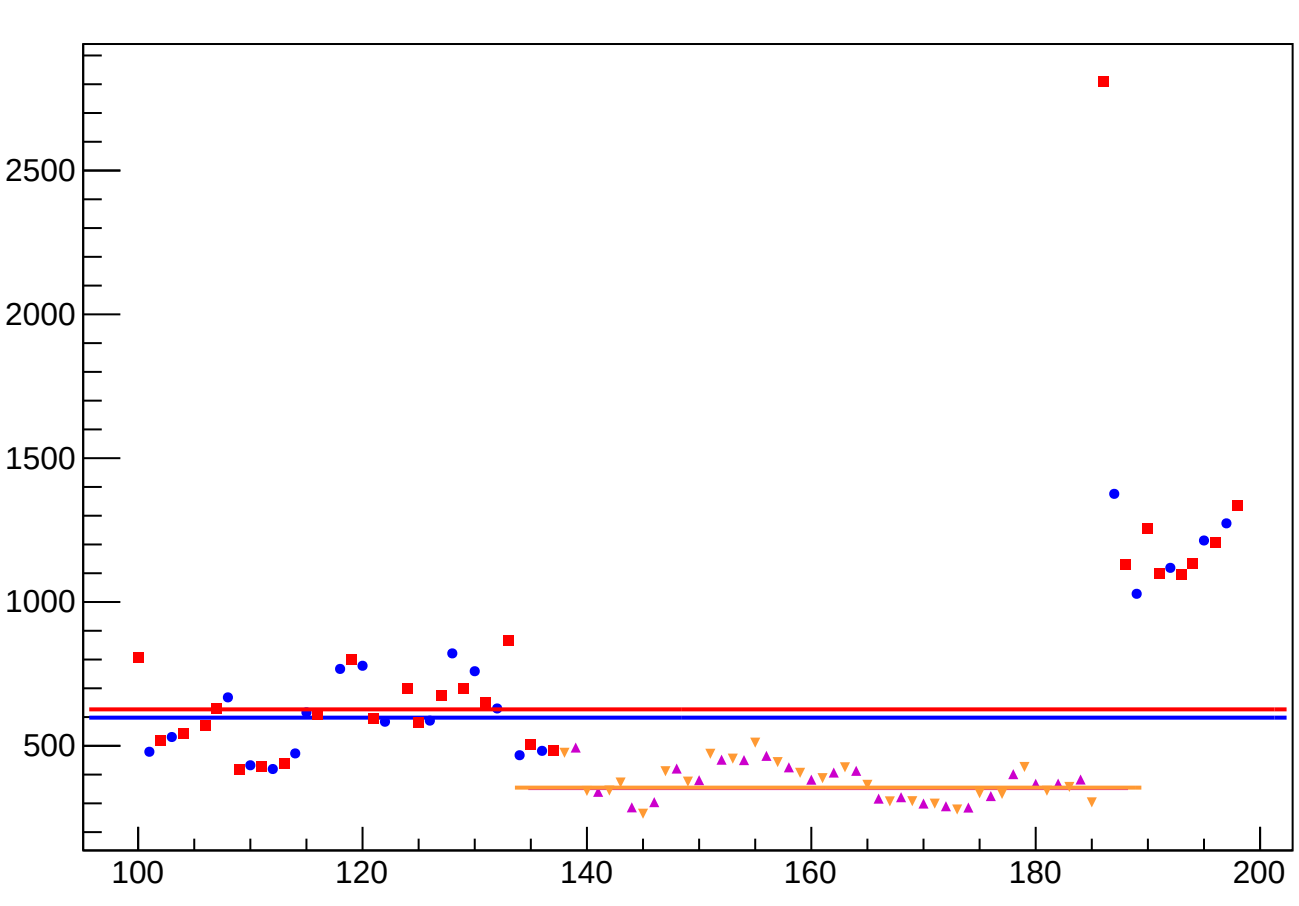
−12000
100
120
140
160
180
200
Right In: -230.556+/-195.819 χ²/NDF: 24.0/20
Left Out: -399.358+/-82.064 χ²/NDF:65.4/24
Right Out: 499.238+/-190.383 χ²/NDF: 19.0/26
Left In: 62.038+/-83.892 χ²/NDF:23.9/22
Left: -173.744+/-58.664 χ²/NDF: 104.8/47
Right: 144.611+/-136.502 χ²/NDF: 50.1/47
In: 16.663+/-77.113 χ²/NDF:49.8/43
Out: -258.560+/-75.361 χ²/NDF:103.2/51
All: -124.112+/-53.897 χ²/NDF: 159.5/95



Right In: 597.966+/-0.138 χ^2/NDF: 2422937.0/20

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 626.766+/-0.135 χ^2/NDF: 3596504.7/26

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

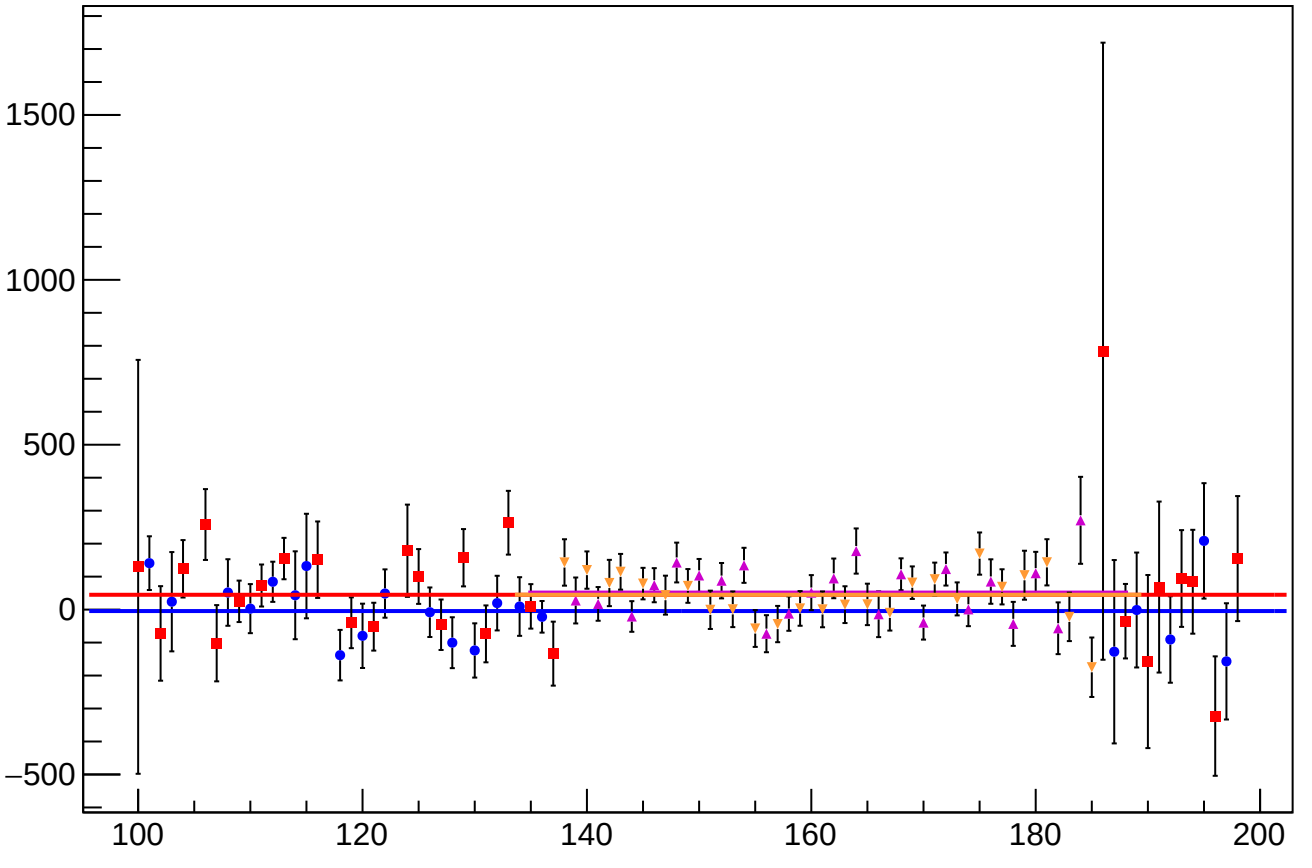
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 612.771+/-0.097 χ^2/NDF: 6041681.5/47

In: 391.082+/-0.055 χ^2/NDF:6069229.7/43

Out: 397.304+/-0.053 χ^2/NDF:8187124.7/51

All: 394.264+/-0.038 χ^2/NDF: 14263014.0/95



Right In: -4.407+/-19.352 χ^2/NDF: 17.5/20

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 44.957+/-18.727 χ^2/NDF: 35.7/26

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

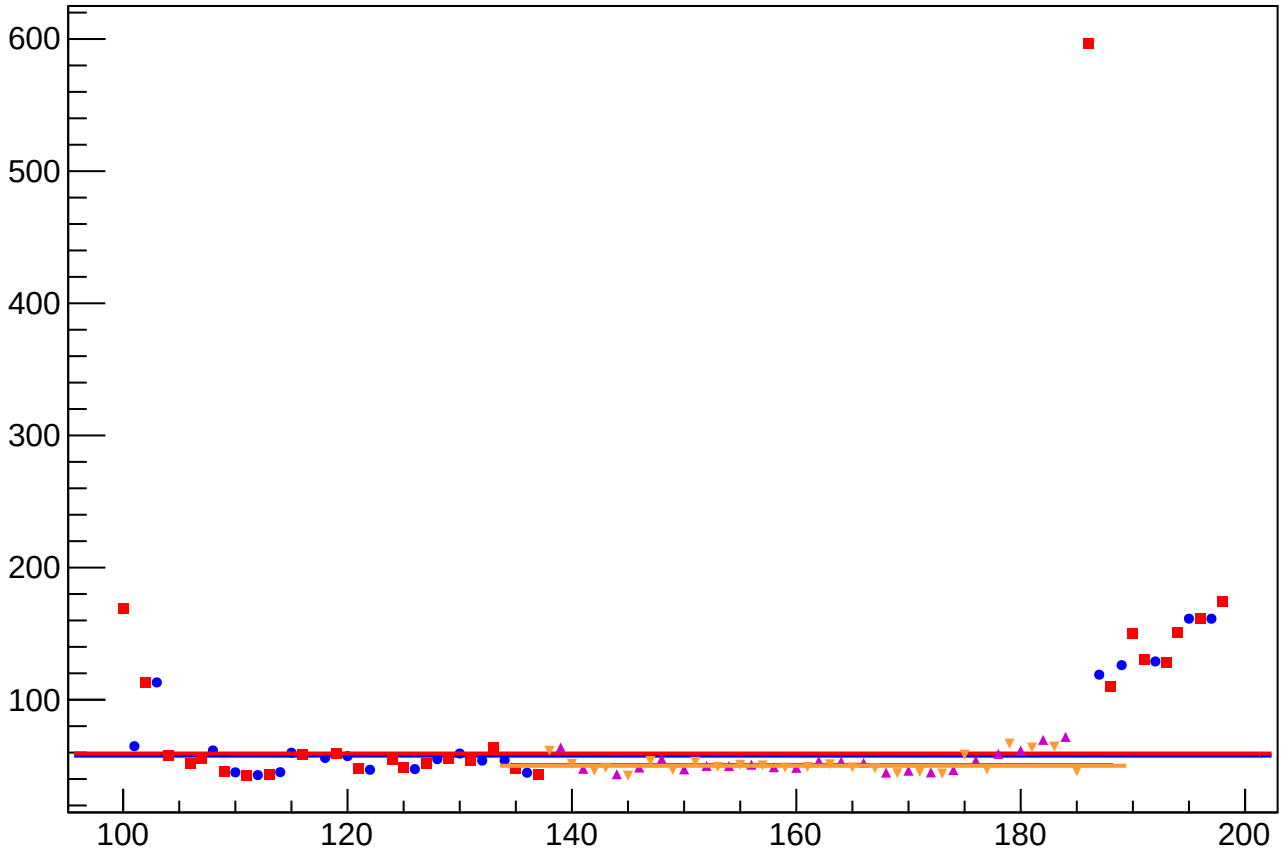
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 21.084+/-13.458 χ^2/NDF: 56.5/47

In: 36.190+/-10.154 χ^2/NDF:59.4/43

Out: 45.058+/-9.796 χ^2/NDF:67.0/51

All: 40.783+/-7.050 χ^2/NDF: 126.8/95



Right In: 57.691+/-0.014 χ^2/NDF: 3107995.7/20

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 59.303+/-0.013 χ^2/NDF: 4891571.6/26

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

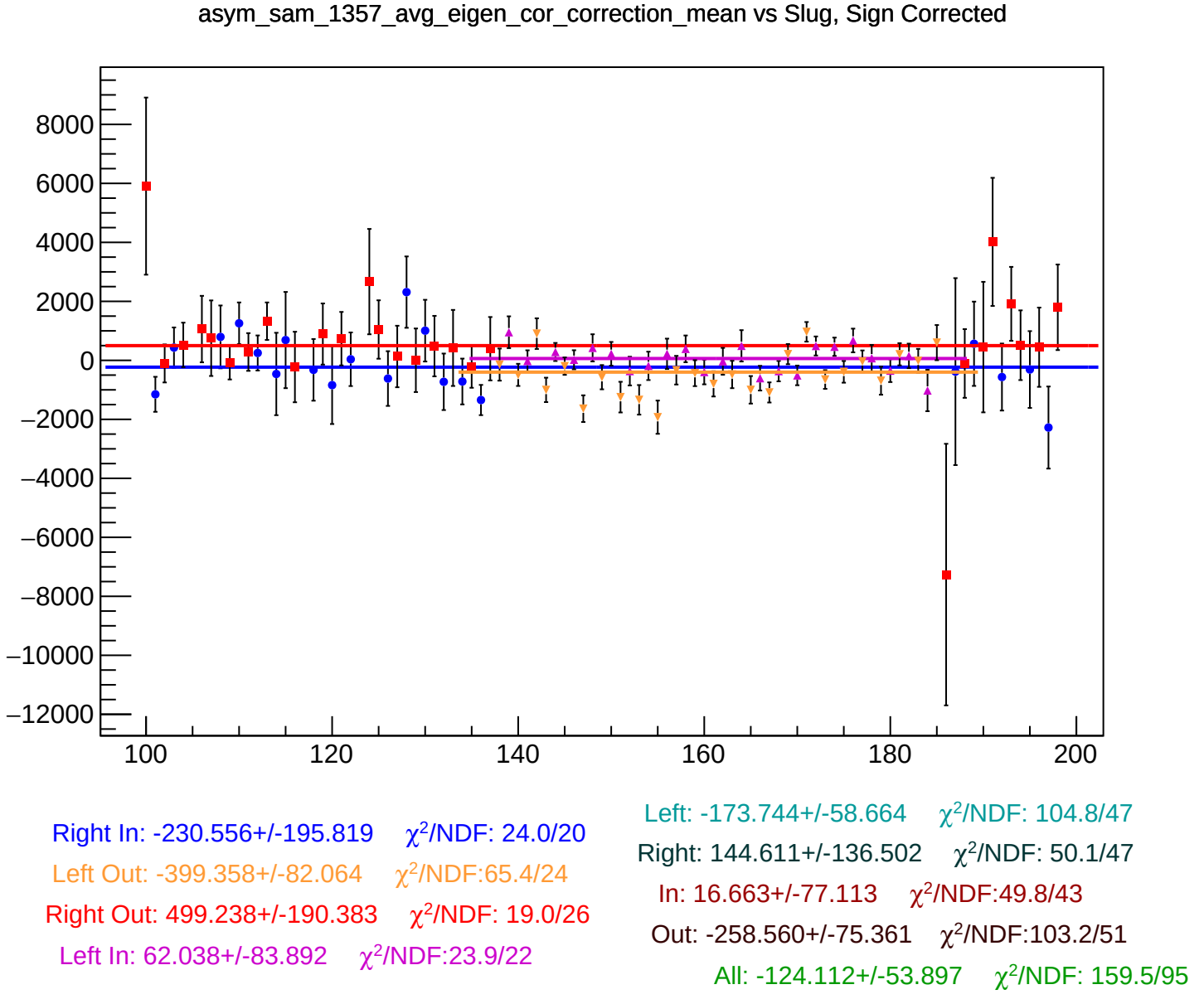
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 58.524+/-0.010 χ^2/NDF: 8006731.6/47

In: 52.489+/-0.007 χ^2/NDF:3810874.9/43

Out: 52.561+/-0.007 χ^2/NDF:5757550.2/51

All: 52.526+/-0.005 χ^2/NDF: 9568477.4/95


asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
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−2000
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−10000
−12000
100
120
140
160
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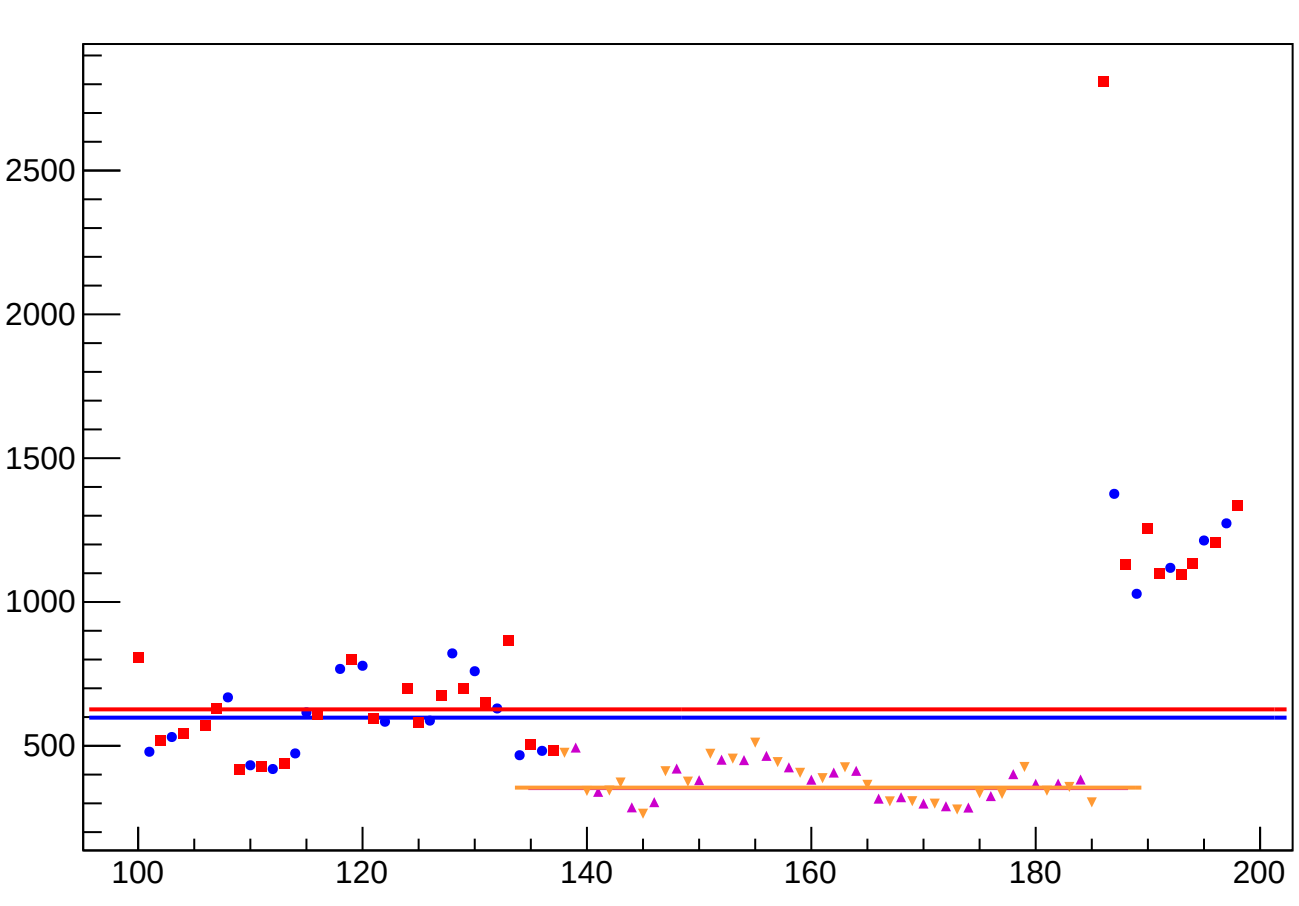
200
Right In: -230.556+/-195.819 χ²/NDF: 24.0/20
Left Out: -399.358+/-82.064 χ²/NDF:65.4/24
Right Out: 499.238+/-190.383 χ²/NDF: 19.0/26
Left In: 62.038+/-83.892 χ²/NDF:23.9/22
Left: -173.744+/-58.664 χ²/NDF: 104.8/47
Right: 144.611+/-136.502 χ²/NDF: 50.1/47
In: 16.663+/-77.113 χ²/NDF:49.8/43
Out: -258.560+/-75.361 χ²/NDF:103.2/51
All: -124.112+/-53.897 χ²/NDF: 159.5/95



Right In: 597.966+/-0.138 χ^2/NDF: 2422937.0/20

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 626.766+/-0.135 χ^2/NDF: 3596504.7/26

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

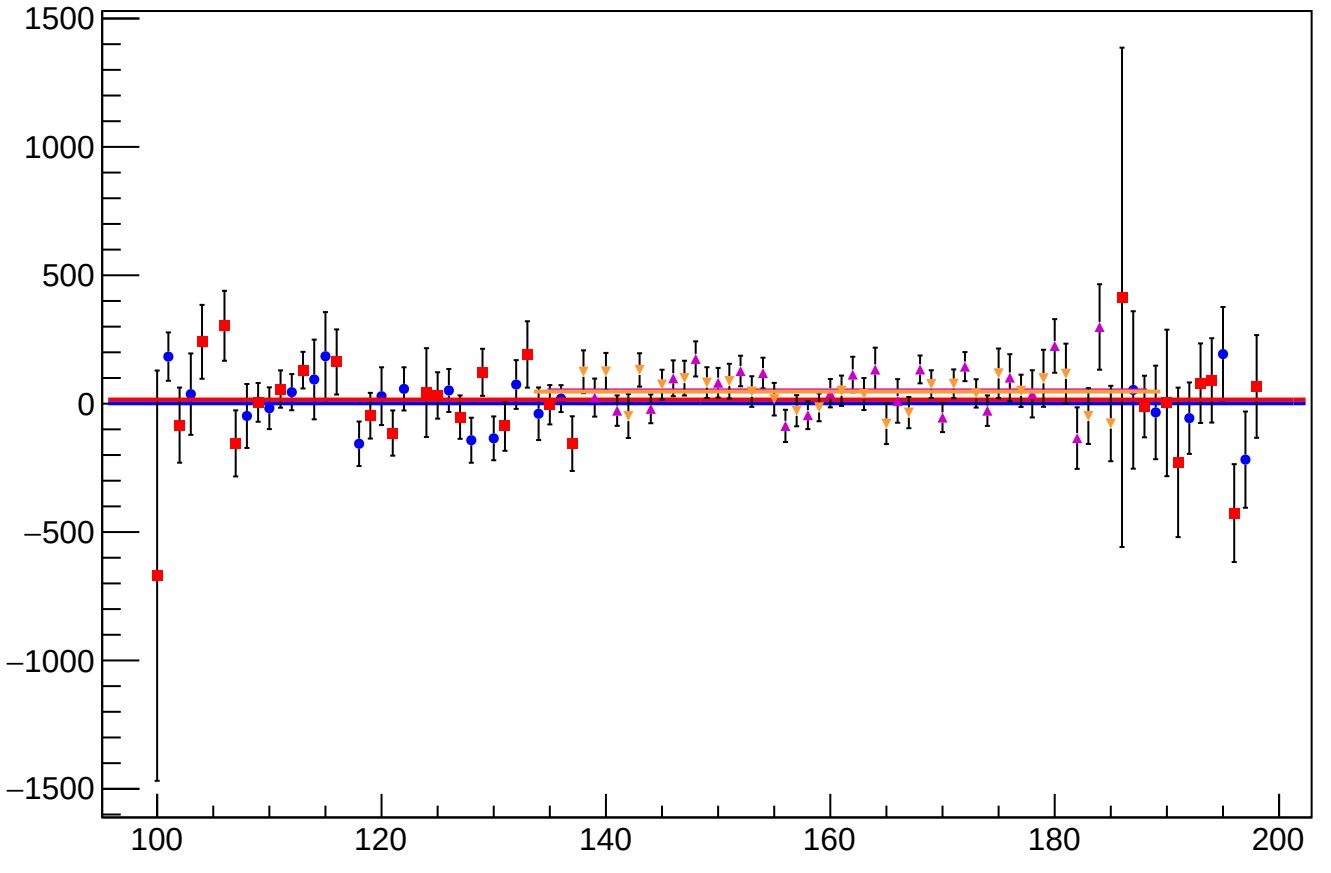
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 612.771+/-0.097 χ^2/NDF: 6041681.5/47

In: 391.082+/-0.055 χ^2/NDF:6069229.7/43

Out: 397.304+/-0.053 χ^2/NDF:8187124.7/51

All: 394.264+/-0.038 χ^2/NDF: 14263014.0/95



Right In: 1.541+/-21.670 χ^2/NDF: 18.9/20

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 16.072+/-21.542 χ^2/NDF: 31.2/26

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

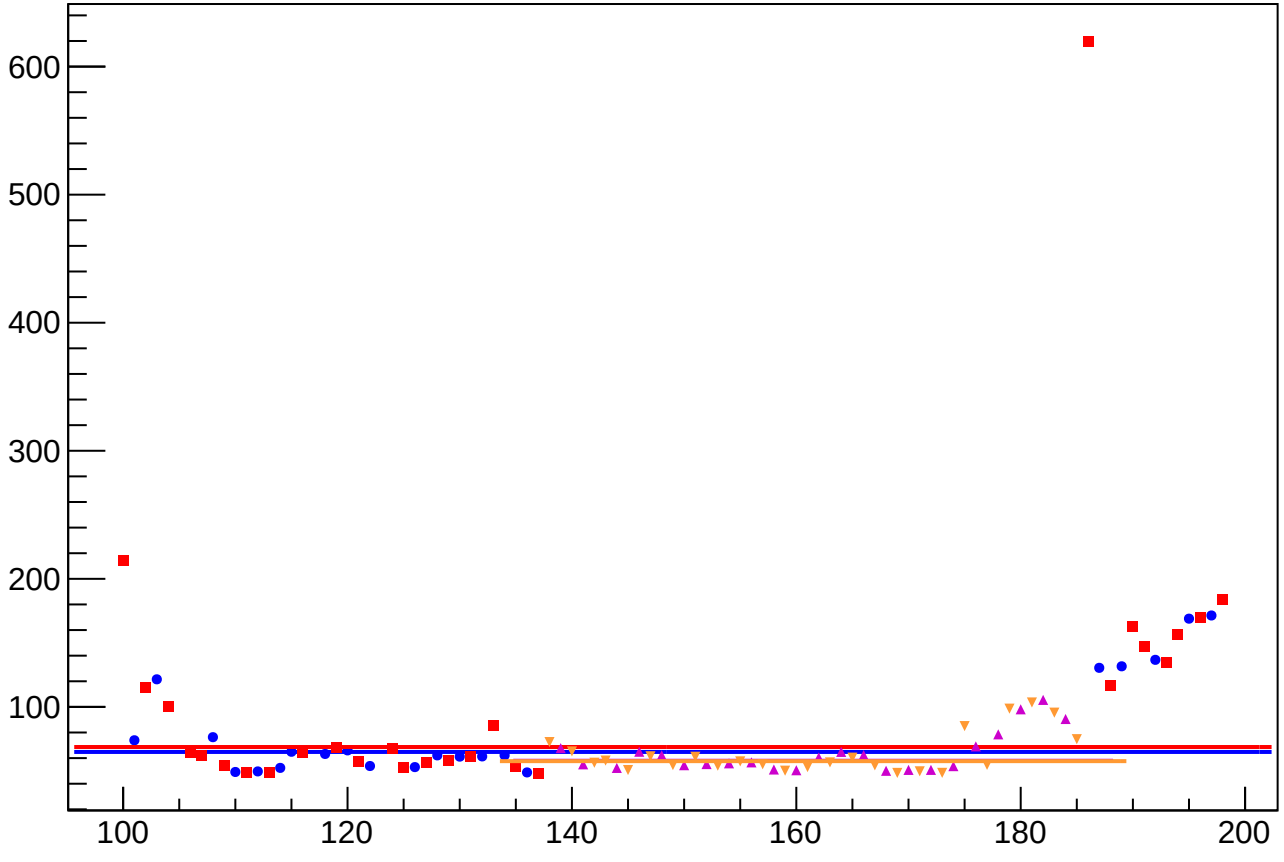
Right: 8.849+/-15.278 χ^2/NDF: 50.3/47

In: 36.994+/-11.720 χ^2/NDF:60.8/43

Out: 38.376+/-11.446 χ^2/NDF:49.7/51

All: 37.702+/-8.189 χ^2/NDF: 110.6/95

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 64.814+/-0.015 χ^2/NDF: 2929940.1/20

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 68.665+/-0.015 χ^2/NDF: 4606287.0/26

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

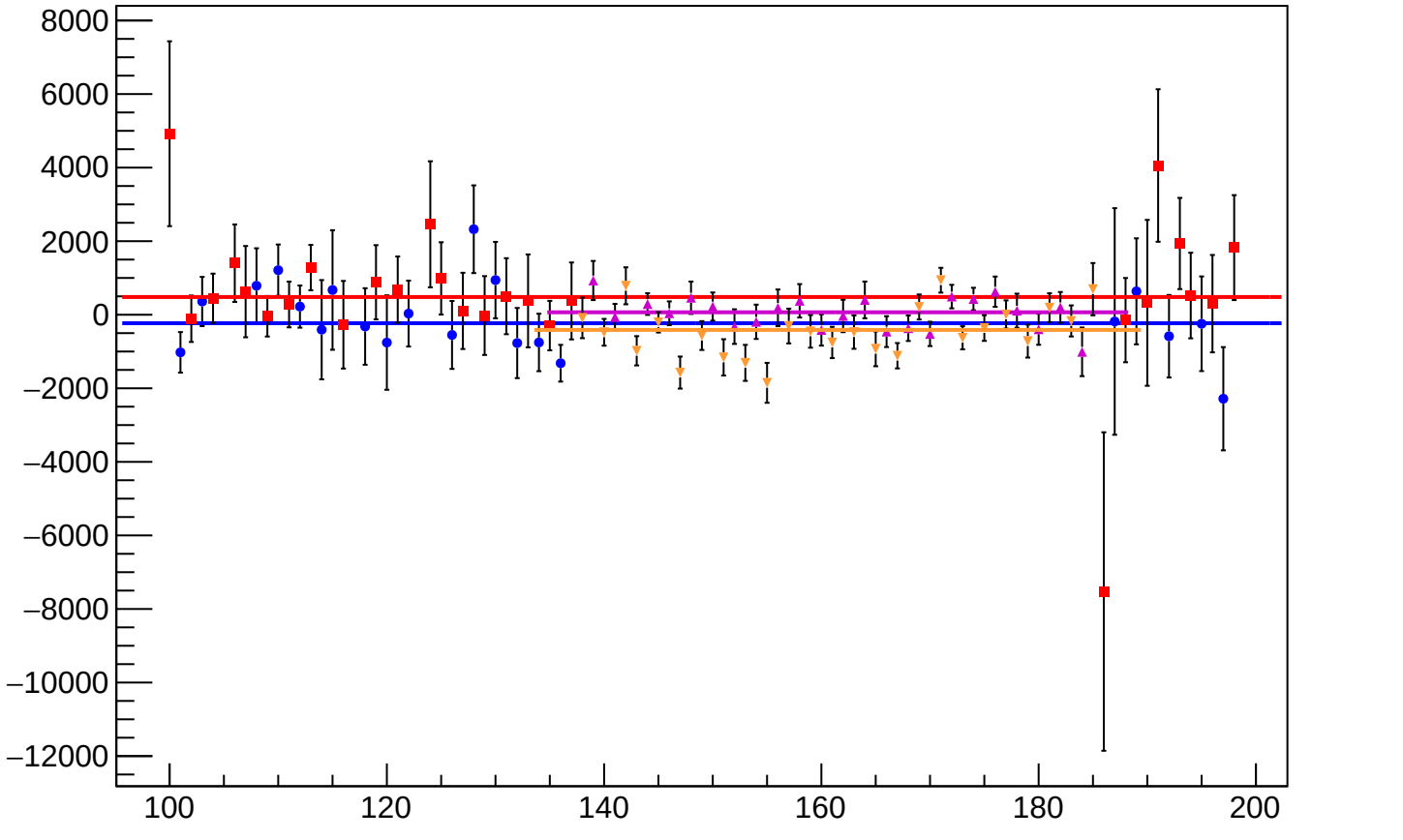
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 66.751+/-0.011 χ^2/NDF: 7567992.2/47

In: 59.951+/-0.008 χ^2/NDF:4196844.8/43

Out: 60.746+/-0.008 χ^2/NDF:6348306.4/51

All: 60.358+/-0.006 χ^2/NDF: 10549865.2/95


asym_sam_1357_avg_dit_correction_mean vs Slug, Sign Corrected
8000
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−12000
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160
180
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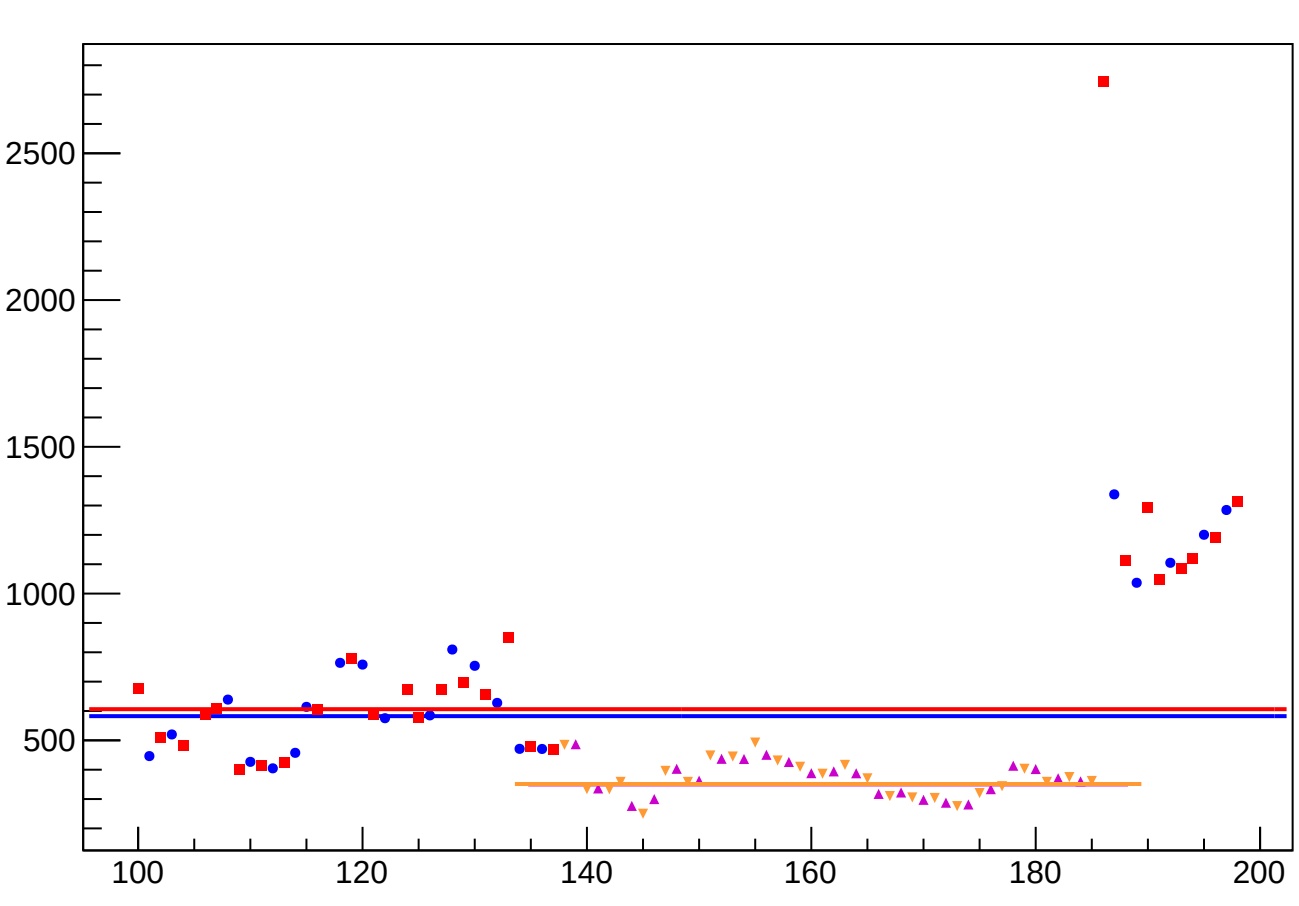
Right In: -230.535+/-191.238 χ²/NDF: 23.4/20
Left Out: -413.053+/-81.134 χ²/NDF:61.3/24
Right Out: 482.333+/-184.235 χ²/NDF: 20.4/26
Left In: 66.637+/-83.082 χ²/NDF:22.9/22
Left: -178.896+/-58.047 χ²/NDF: 101.3/47
Right: 139.191+/-132.681 χ²/NDF: 51.0/47
In: 19.454+/-76.201 χ²/NDF:48.4/43
Out: -267.610+/-74.253 χ²/NDF:101.5/51
All: -127.795+/-53.180 χ²/NDF: 157.1/95



Right In: 582.422+/-0.135 χ^2/NDF: 2541807.6/20

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 606.194+/-0.130 χ^2/NDF: 3756677.2/26

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

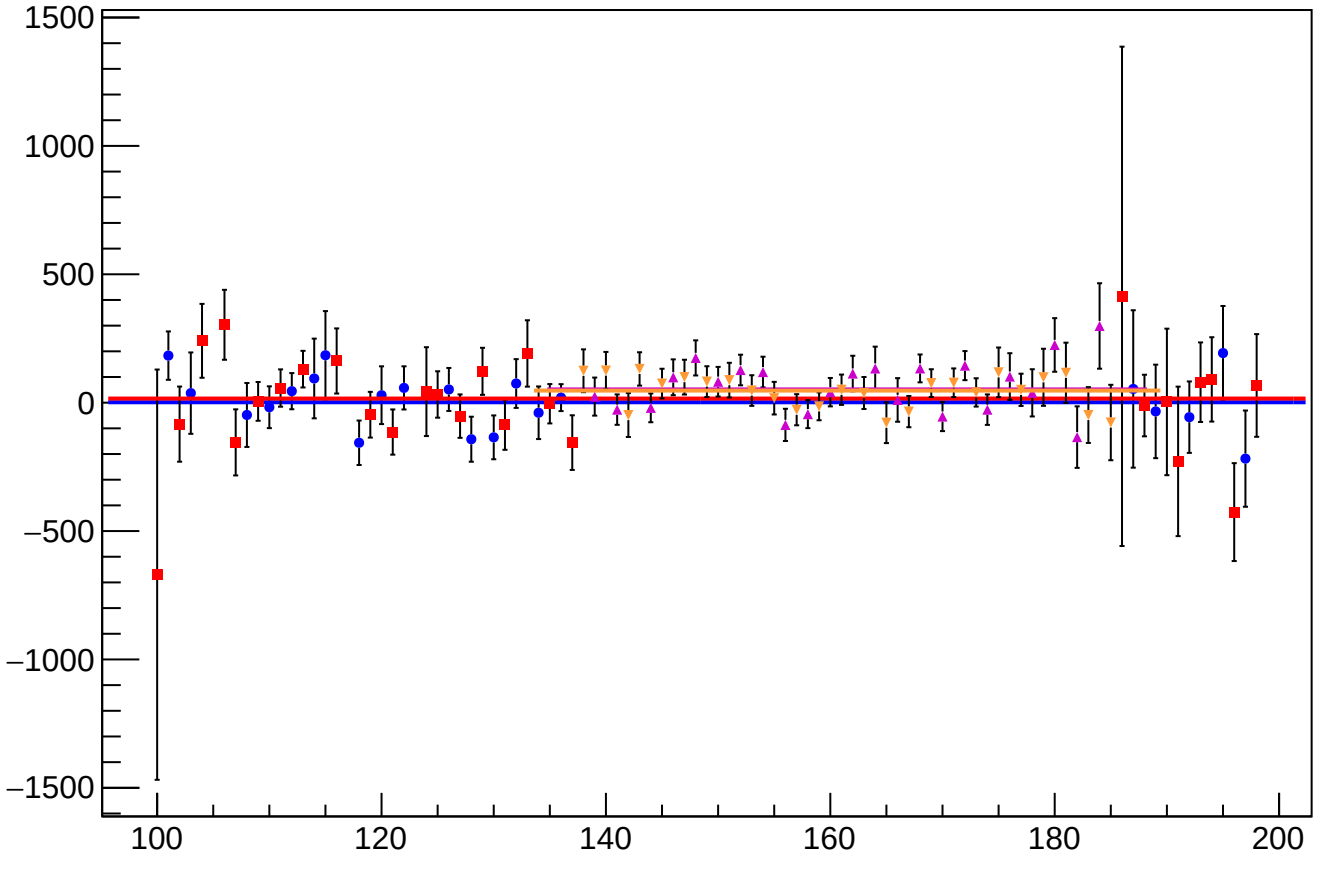
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 594.751+/-0.094 χ^2/NDF: 6314513.4/47

In: 386.745+/-0.054 χ^2/NDF:6021300.9/43

Out: 392.674+/-0.053 χ^2/NDF:8082274.9/51

All: 389.786+/-0.038 χ^2/NDF: 14109786.9/95



Right In: 1.541+/-21.670 χ^2/NDF: 18.9/20

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 16.070+/-21.542 χ^2/NDF: 31.2/26

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

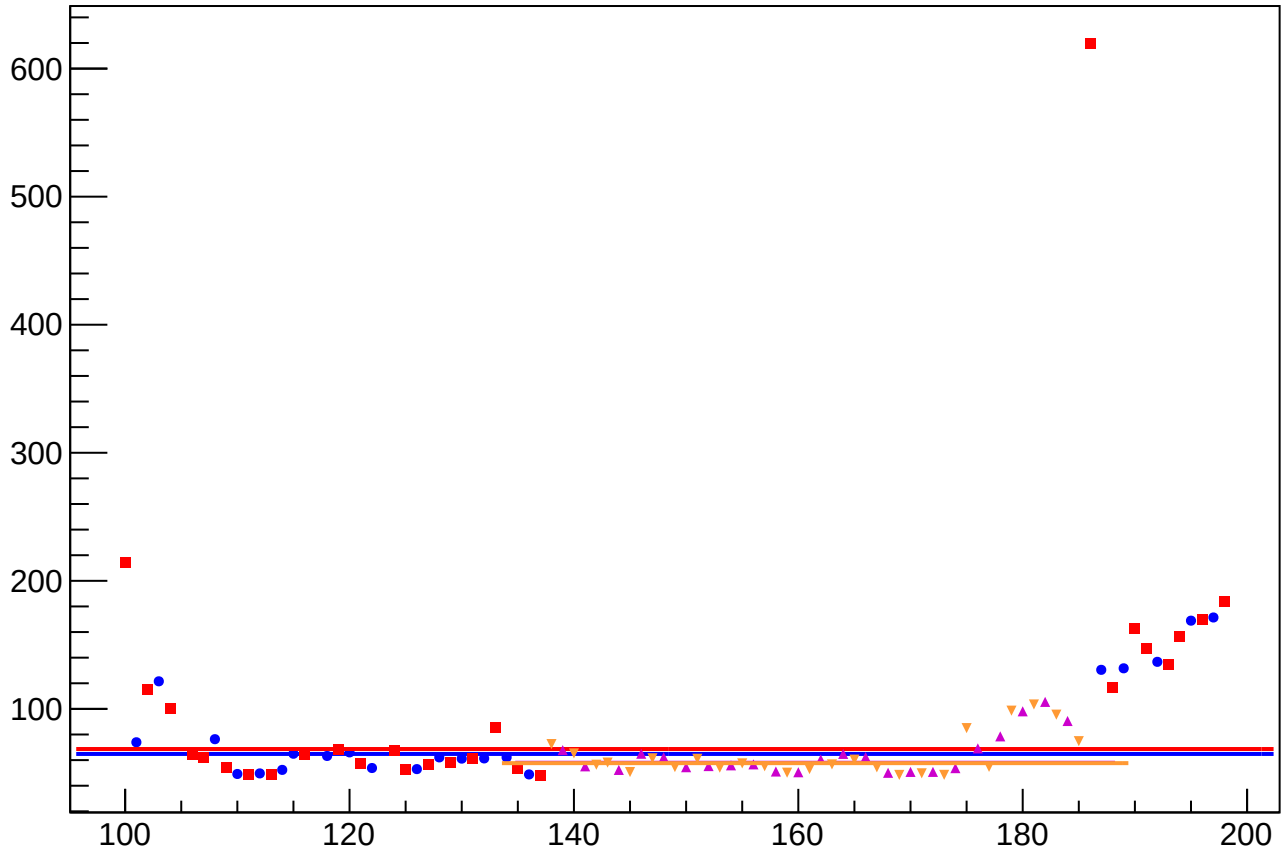
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 8.849+/-15.278 χ^2/NDF: 50.3/47

In: 36.994+/-11.720 χ^2/NDF:60.8/43

Out: 38.376+/-11.446 χ^2/NDF:49.7/51

All: 37.701+/-8.189 χ^2/NDF: 110.6/95



Right In: 64.814+/-0.015 χ^2/NDF: 2929929.2/20

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

Right Out: 68.665+/-0.015 χ^2/NDF: 4606279.7/26

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

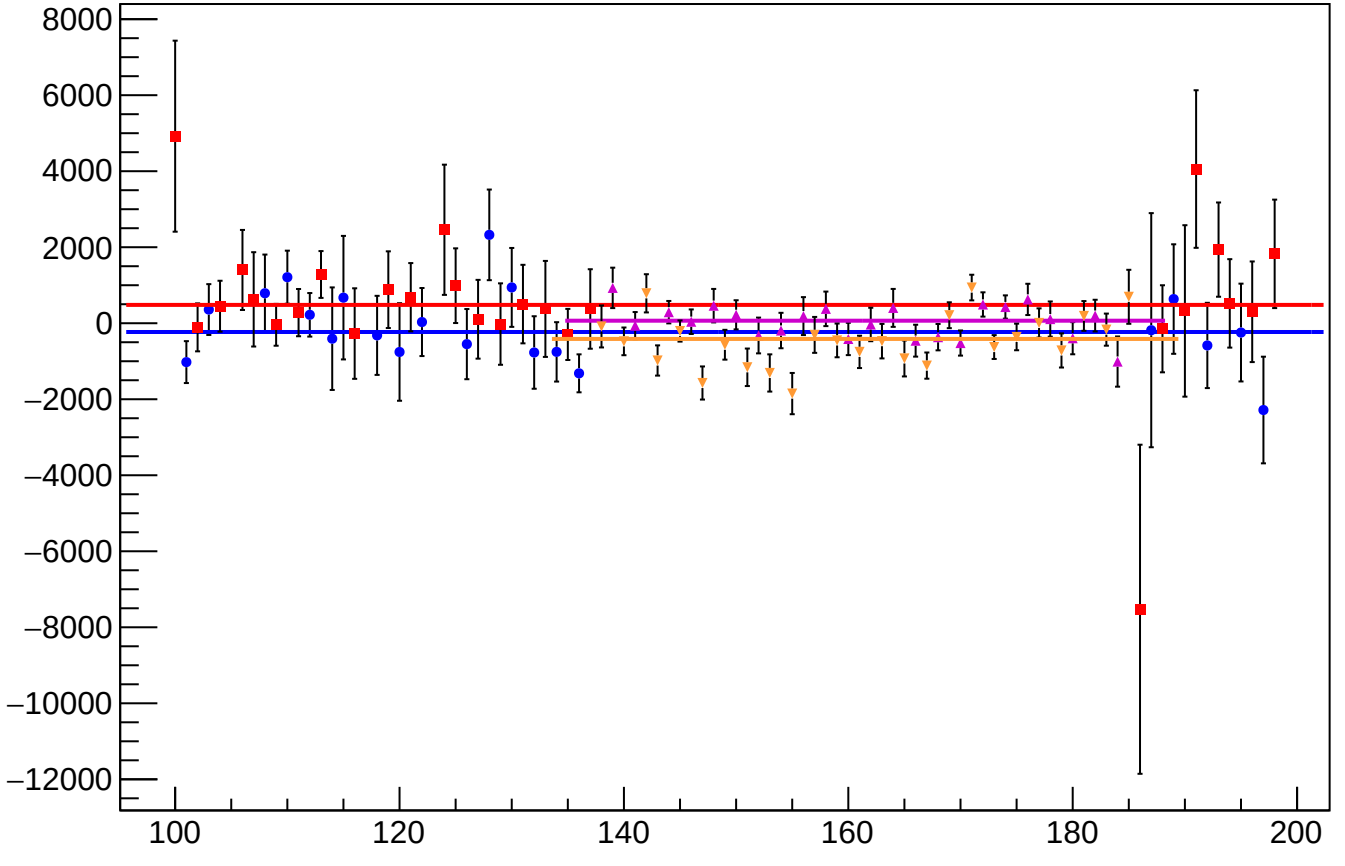
Right: 66.751+/-0.011 χ^2/NDF: 7567974.5/47

In: 59.951+/-0.008 χ^2/NDF:4196819.6/43

Out: 60.746+/-0.008 χ^2/NDF:6348296.2/51

All: 60.358+/-0.006 χ^2/NDF: 10549829.6/95

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -230.534+/-191.238 χ^2/NDF: 23.4/20

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 482.332+/-184.235 χ^2/NDF: 20.4/26

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

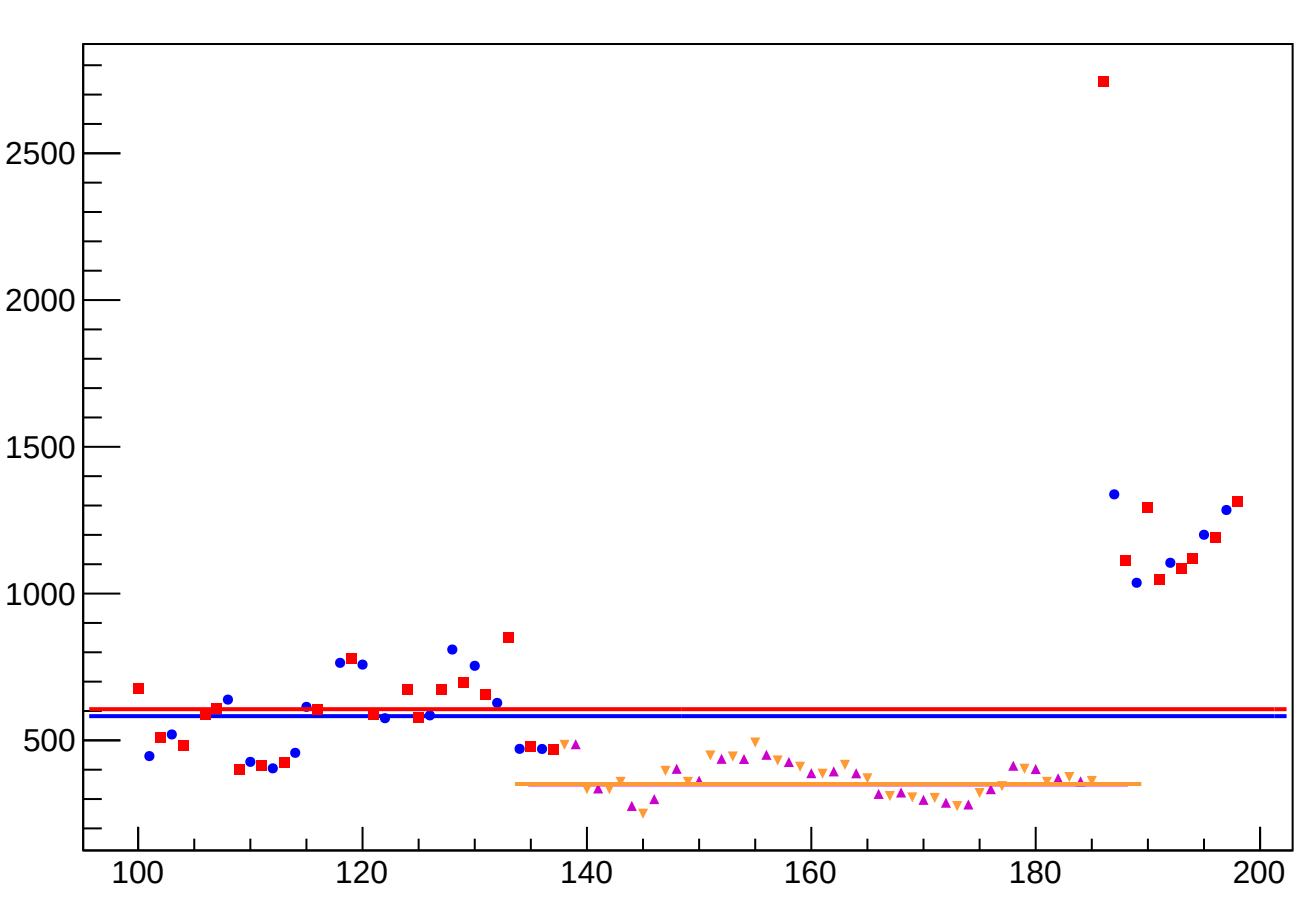
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 139.191+/-132.680 χ^2/NDF: 51.0/47

In: 19.454+/-76.201 χ^2/NDF:48.4/43

Out: -267.610+/-74.253 χ^2/NDF:101.5/51

All: -127.795+/-53.180 χ^2/NDF: 157.1/95



Right In: 582.421+/-0.135 χ^2/NDF: 2541813.6/20

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 606.193+/-0.130 χ^2/NDF: 3756681.3/26

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

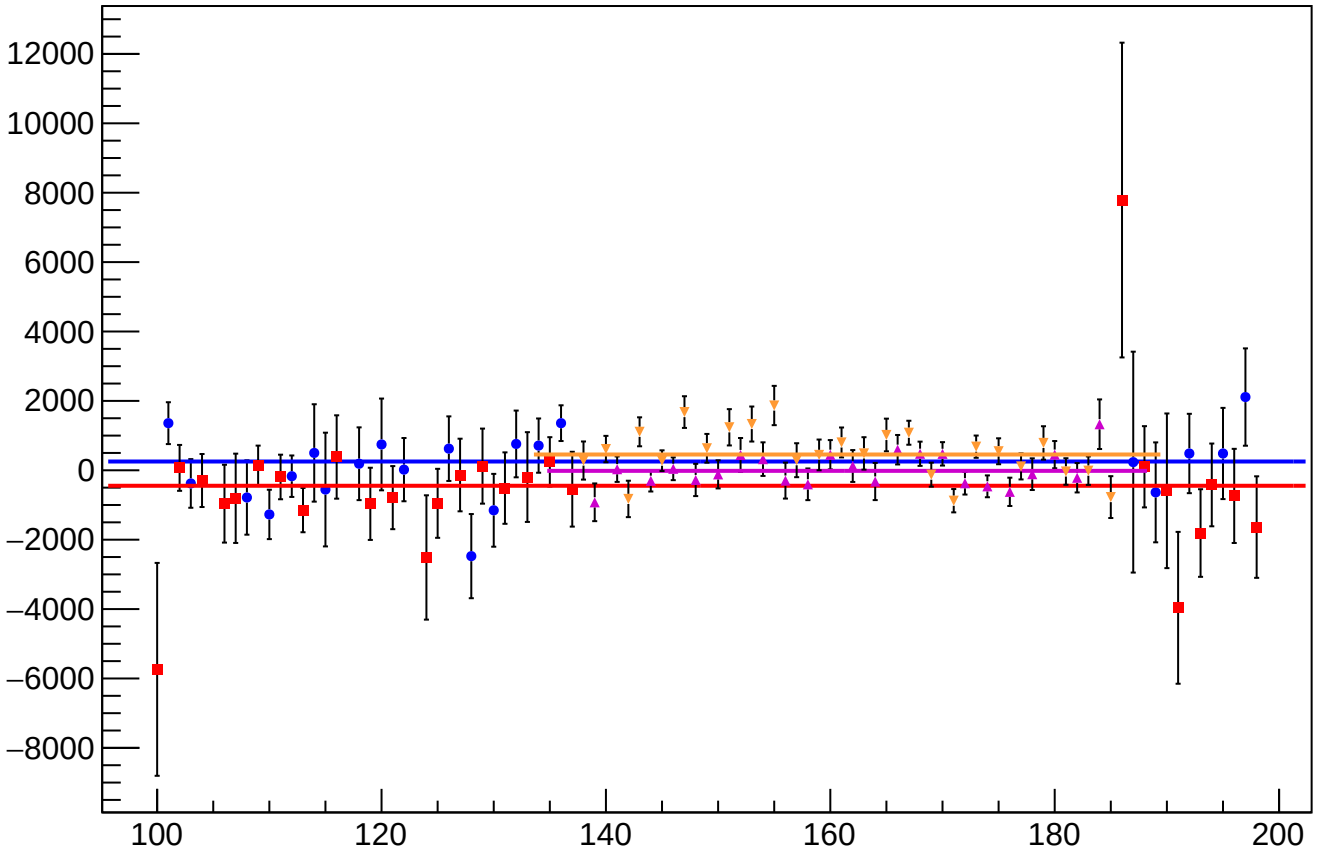
Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

Right: 594.750+/-0.094 χ^2/NDF: 6314523.5/47

In: 386.745+/-0.054 χ^2/NDF:6021287.3/43

Out: 392.674+/-0.053 χ^2/NDF:8082263.5/51

All: 389.786+/-0.038 χ^2/NDF: 14109761.7/95



Right In: 253.240+/-197.411 χ^2/NDF: 25.1/20

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: -445.956+/-191.778 χ^2/NDF: 18.1/26

Left In: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

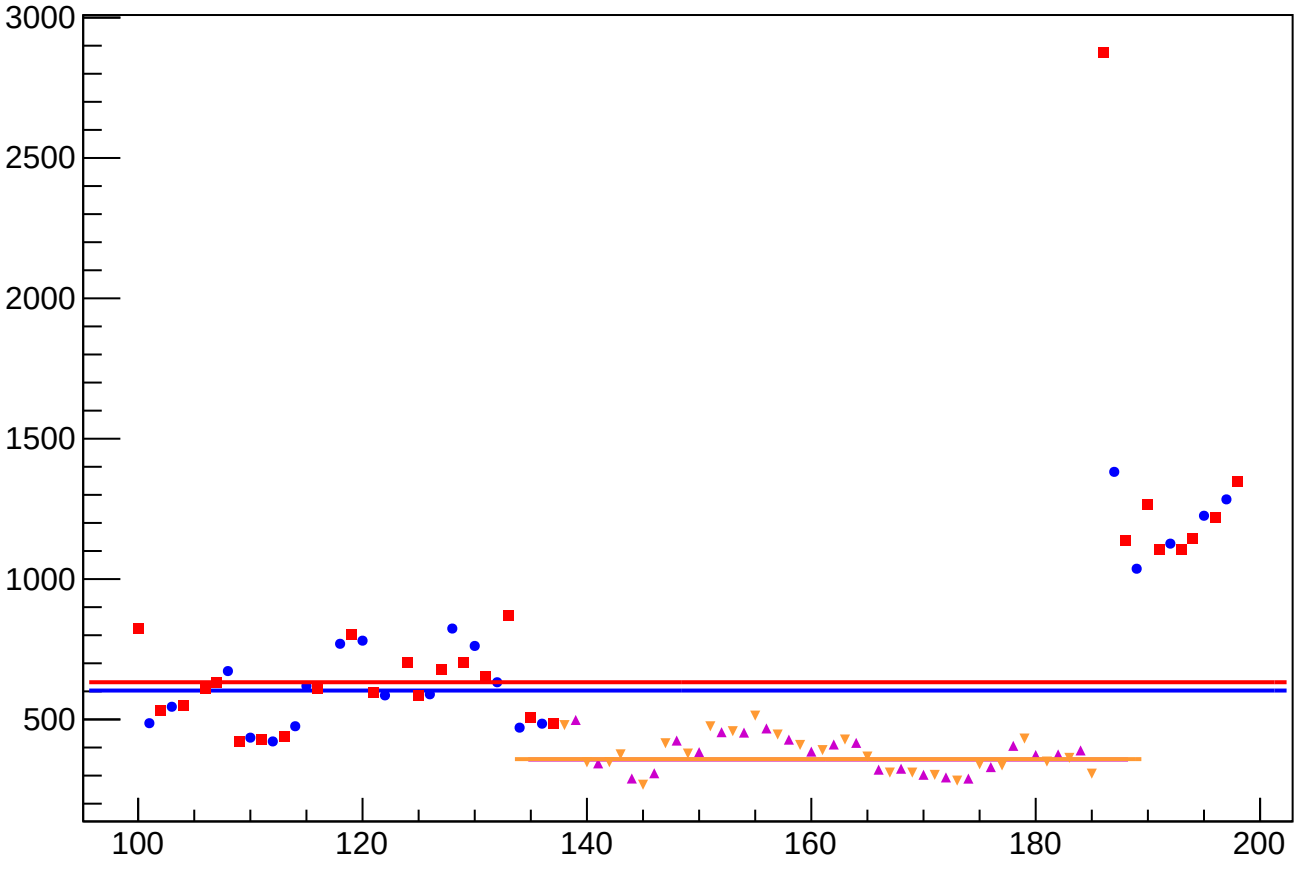
Right: -106.477+/-137.556 χ^2/NDF: 49.6/47

In: 25.905+/-77.939 χ^2/NDF:51.6/43

Out: 313.177+/-76.142 χ^2/NDF:97.5/51

All: 172.892+/-54.465 χ^2/NDF: 156.0/95

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 602.963+/-0.140 χ^2/NDF: 2412746.1/20

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

Right Out: 632.586+/-0.136 χ^2/NDF: 3591665.9/26

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

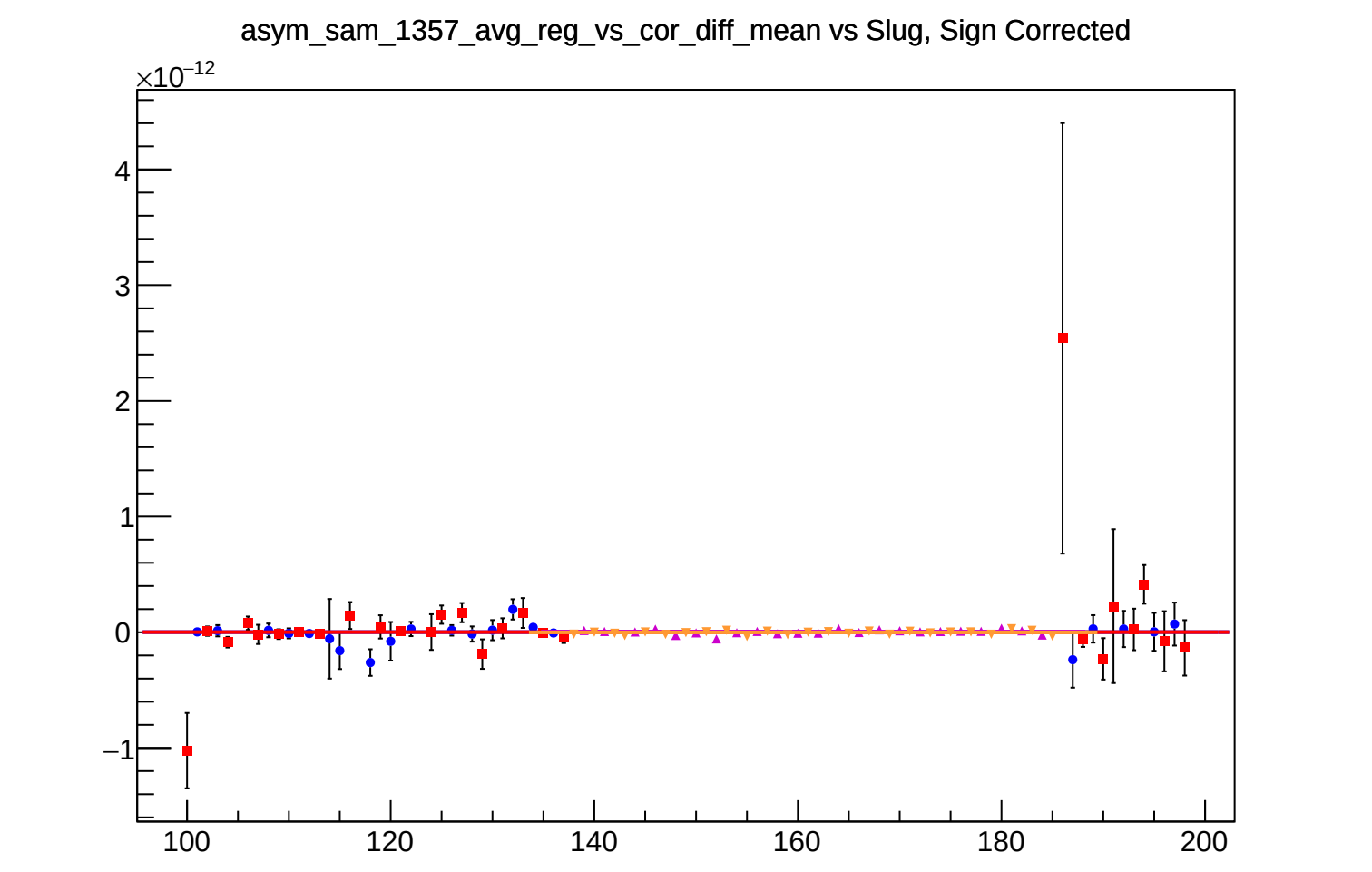
Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

Right: 618.204+/-0.097 χ^2/NDF: 6027580.8/47

In: 395.493+/-0.055 χ^2/NDF:6011314.8/43

Out: 401.854+/-0.054 χ^2/NDF:8147956.9/51

All: 398.748+/-0.039 χ^2/NDF: 14166088.8/95



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 41.1/26

Left In: 0.000+/-0.000 χ^2/NDF:28.5/22

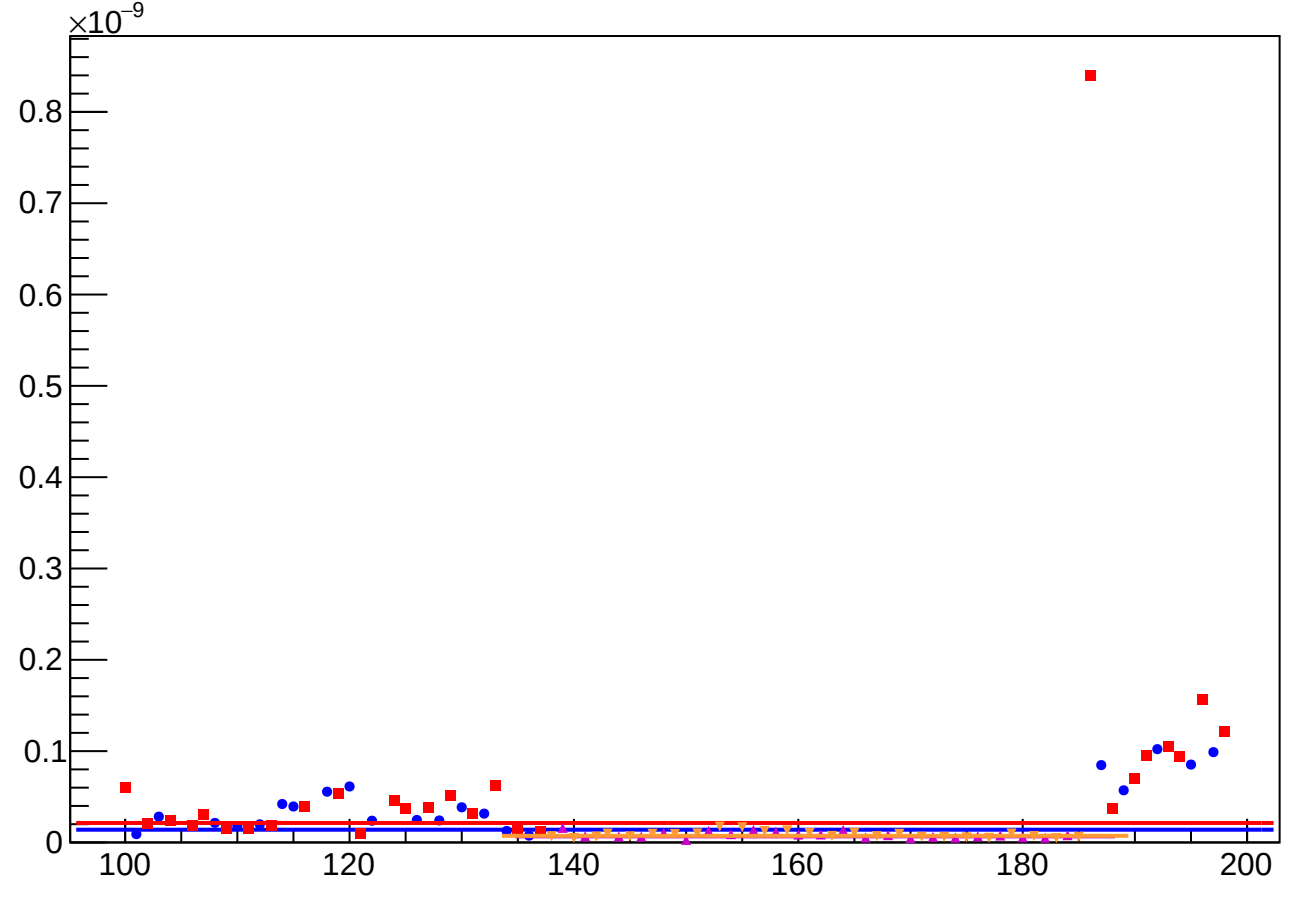
Left: 0.000+/-0.000 χ^2/NDF: 49.2/47

Right: 0.000+/-0.000 χ^2/NDF: 55.9/47

In: 0.000+/-0.000 χ^2/NDF:43.5/43

Out: -0.000+/-0.000 χ^2/NDF:59.3/51

All: 0.000+/-0.000 χ^2/NDF: 105.1/95



Right In: 0.000+/-0.000 χ^2/NDF: 3654442.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3802739.7/26

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

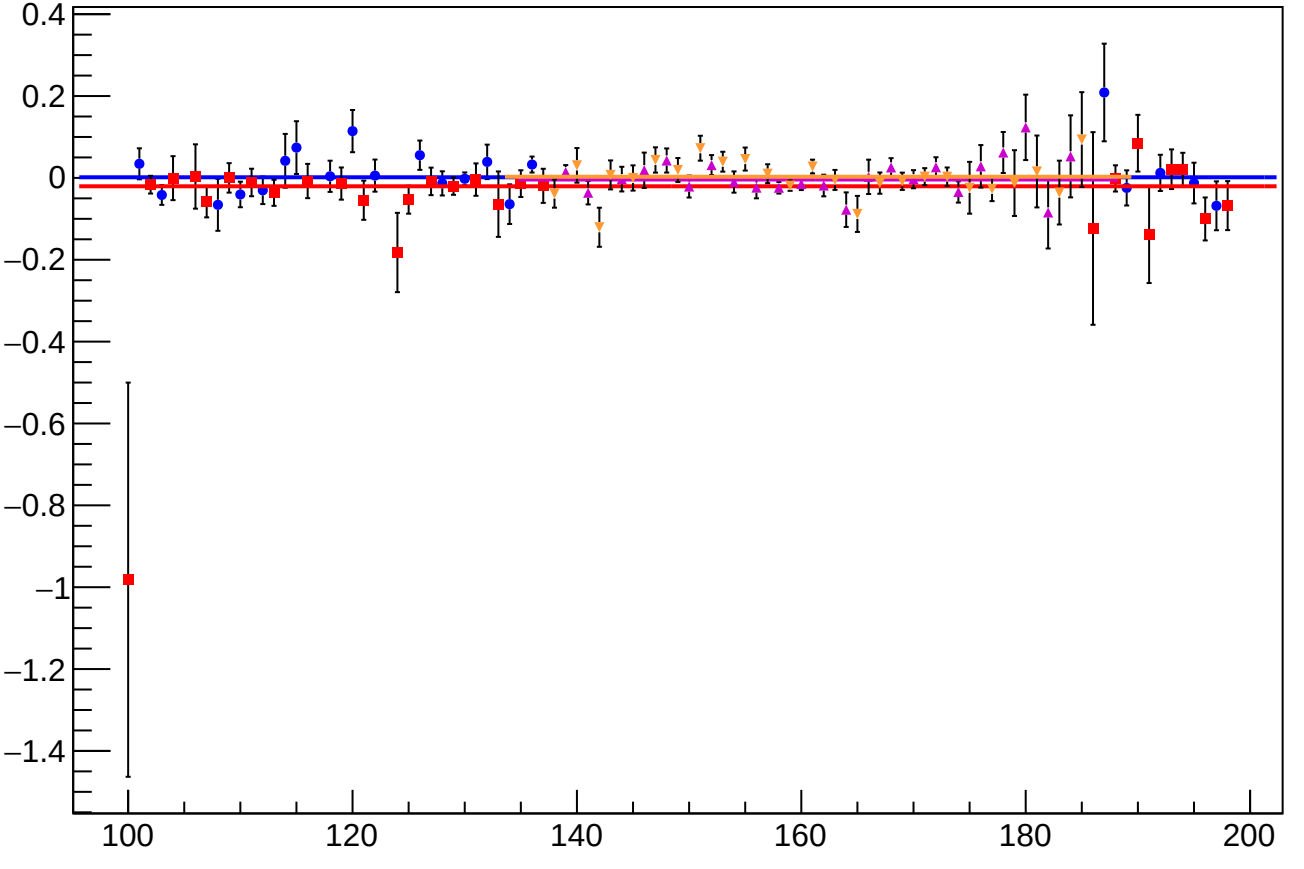
Right: 0.000+/-0.000 χ^2/NDF: 7949681.5/47

In: 0.000+/-0.000 χ^2/NDF:6598470.2/43

Out: 0.000+/-0.000 χ^2/NDF:7916561.0/51

All: 0.000+/-0.000 χ^2/NDF: 14583794.3/95

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.007 χ^2/NDF: 26.9/20

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.008 χ^2/NDF: 19.3/26

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

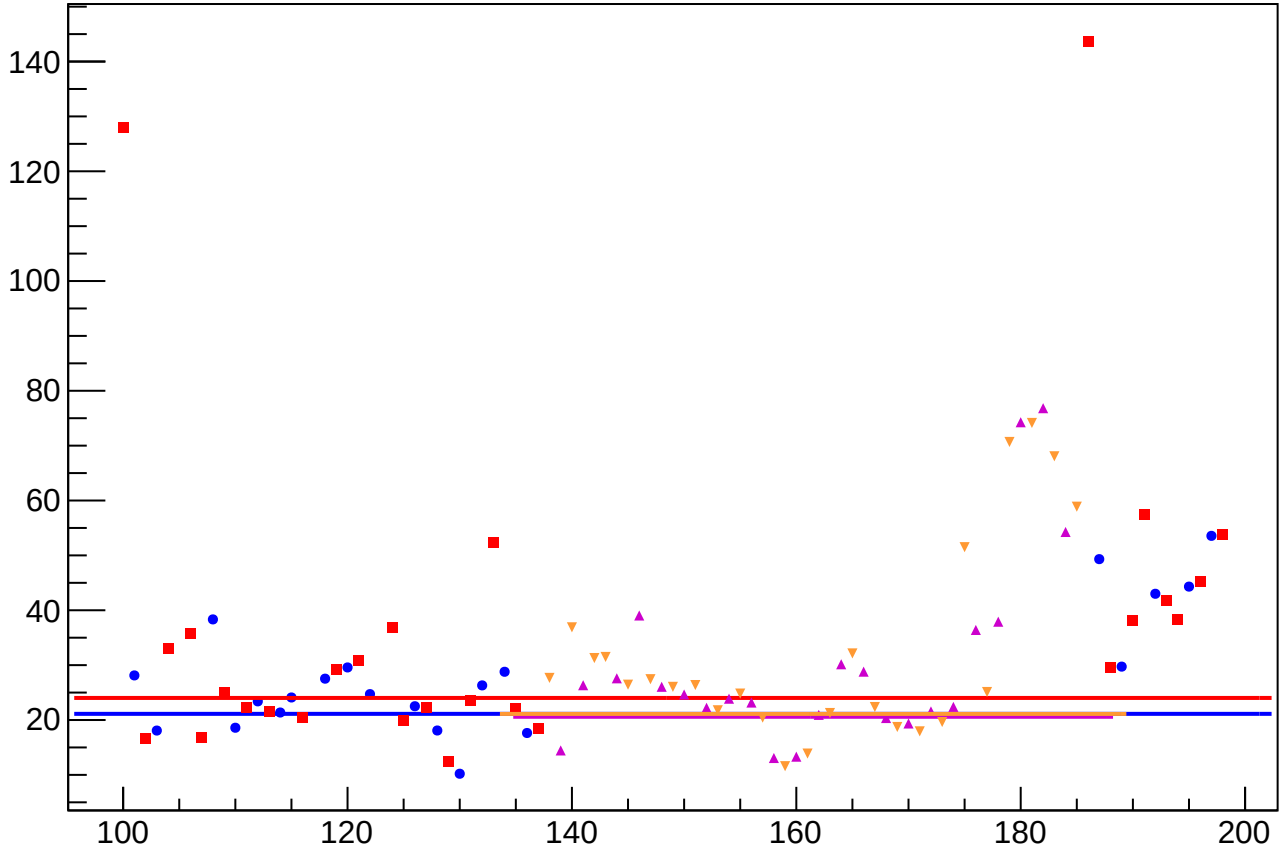
Right: -0.009+/-0.005 χ^2/NDF: 50.4/47

In: -0.002+/-0.004 χ^2/NDF:51.8/43

Out: -0.005+/-0.004 χ^2/NDF:58.2/51

All: -0.003+/-0.003 χ^2/NDF: 110.2/95

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.123+/-0.005 χ^2/NDF: 3257762.3/20

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 24.022+/-0.005 χ^2/NDF: 3727156.1/26

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

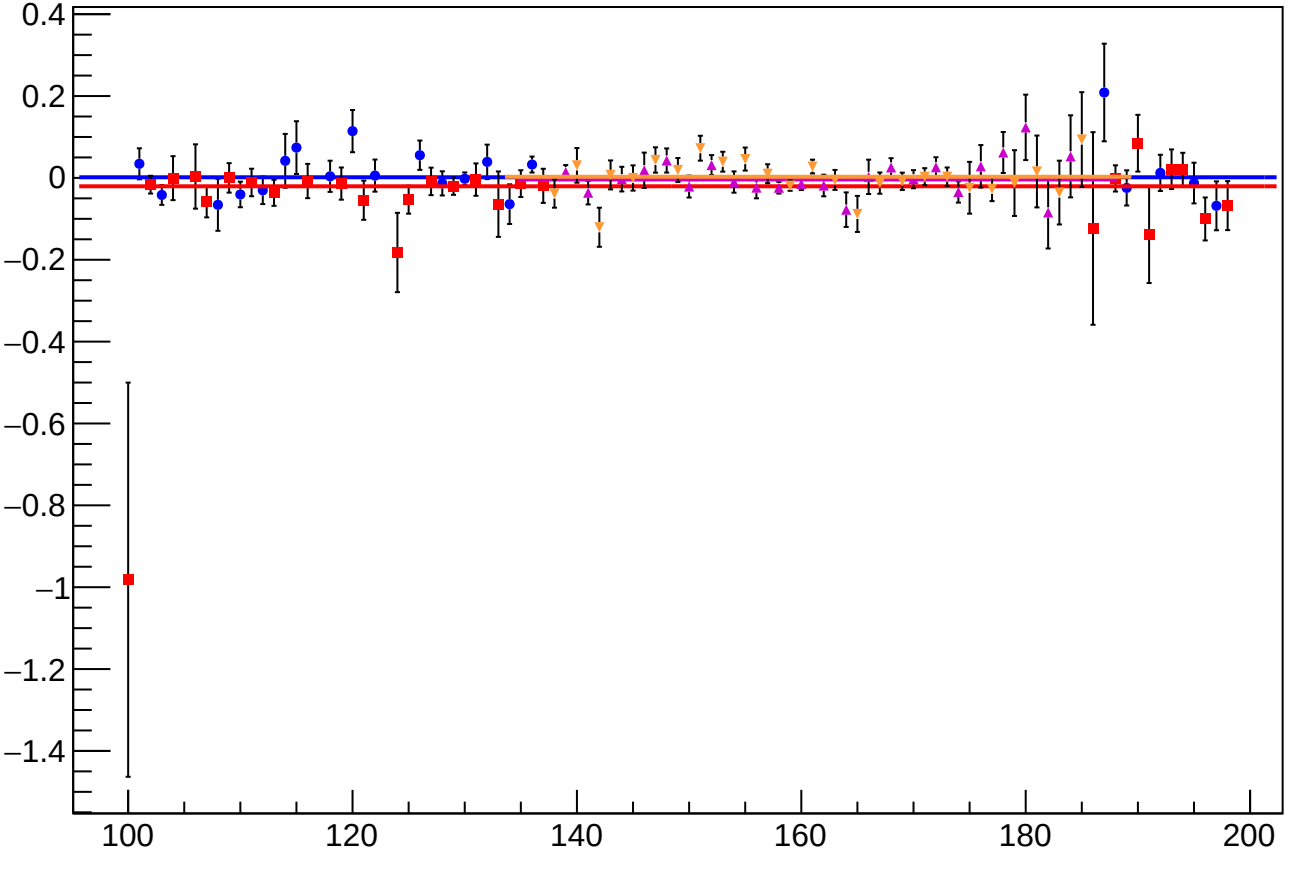
Right: 22.519+/-0.004 χ^2/NDF: 7132403.8/47

In: 20.777+/-0.003 χ^2/NDF:7863953.4/43

Out: 22.084+/-0.003 χ^2/NDF:9464799.2/51

All: 21.421+/-0.002 χ^2/NDF: 17416308.5/95

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.007 χ^2/NDF: 26.9/20

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.008 χ^2/NDF: 19.3/26

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

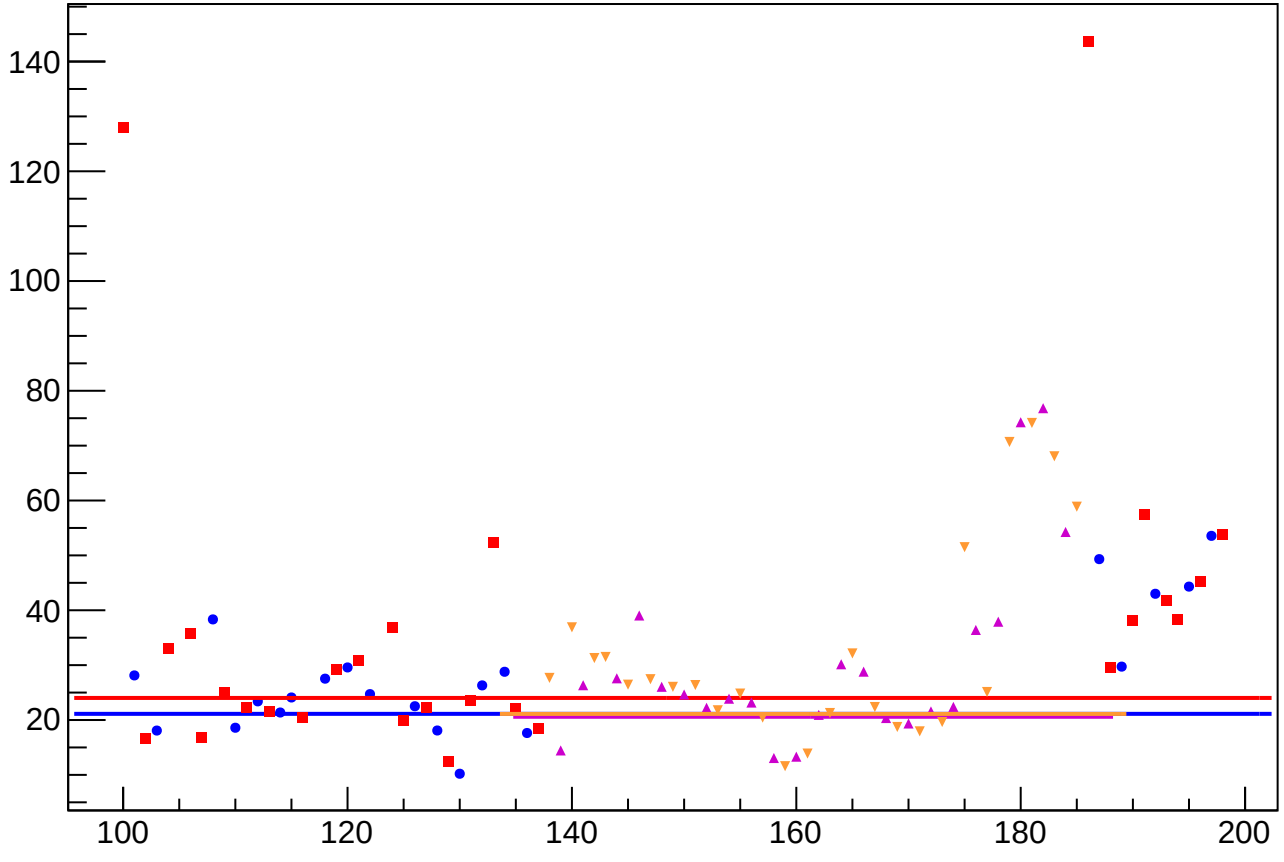
Right: -0.009+/-0.005 χ^2/NDF: 50.4/47

In: -0.002+/-0.004 χ^2/NDF:51.8/43

Out: -0.005+/-0.004 χ^2/NDF:58.2/51

All: -0.003+/-0.003 χ^2/NDF: 110.2/95

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.123+/-0.005 χ^2/NDF: 3257762.3/20

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 24.022+/-0.005 χ^2/NDF: 3727156.1/26

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

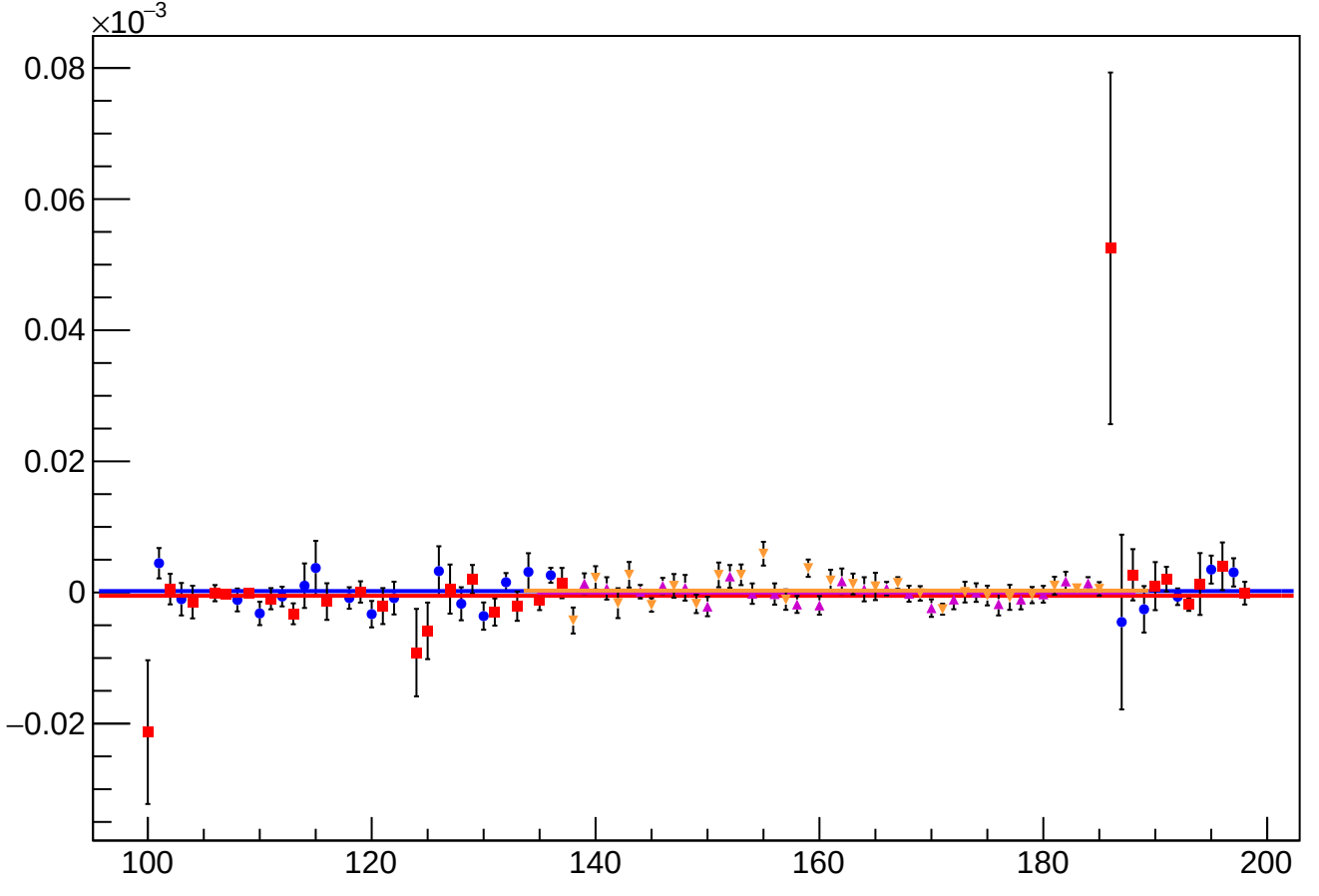
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 22.519+/-0.004 χ^2/NDF: 7132403.8/47

In: 20.777+/-0.003 χ^2/NDF:7863953.4/43

Out: 22.084+/-0.003 χ^2/NDF:9464799.2/51

All: 21.421+/-0.002 χ^2/NDF: 17416308.5/95



Right In: 0.000+/-0.000 χ^2/NDF: 28.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/26

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

Left: 0.000+/-0.000 χ^2/NDF: 73.0/47

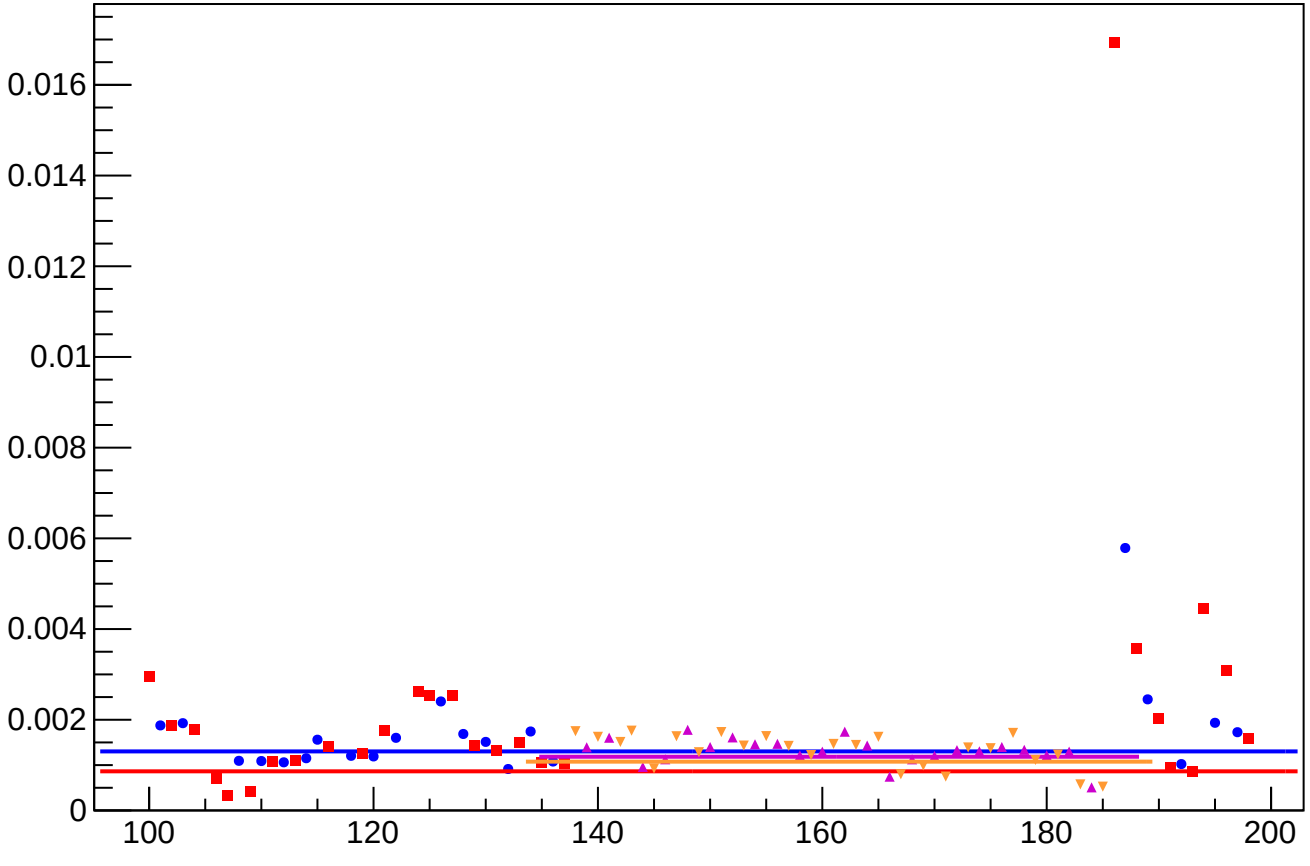
Right: -0.000+/-0.000 χ^2/NDF: 56.4/47

In: 0.000+/-0.000 χ^2/NDF:48.9/43

Out: -0.000+/-0.000 χ^2/NDF:82.1/51

All: -0.000+/-0.000 χ^2/NDF: 131.1/95

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 1707213.0/20

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8990853.9/26

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

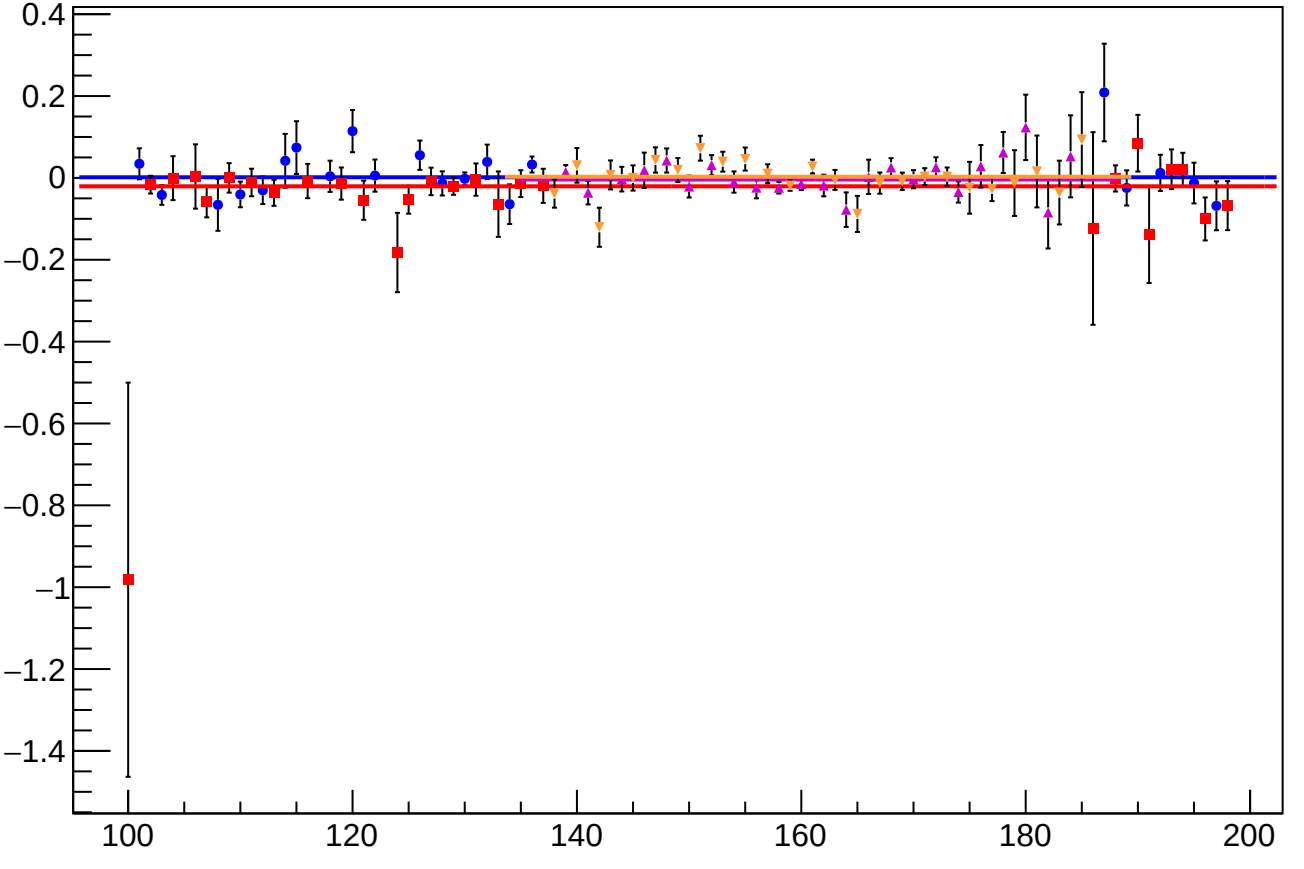
Right: 0.001+/-0.000 χ^2/NDF: 12071092.9/47

In: 0.001+/-0.000 χ^2/NDF:4265754.6/43

Out: 0.001+/-0.000 χ^2/NDF:14095800.9/51

All: 0.001+/-0.000 χ^2/NDF: 19492009.7/95

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.007 χ^2/NDF: 26.9/20

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.008 χ^2/NDF: 19.3/26

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

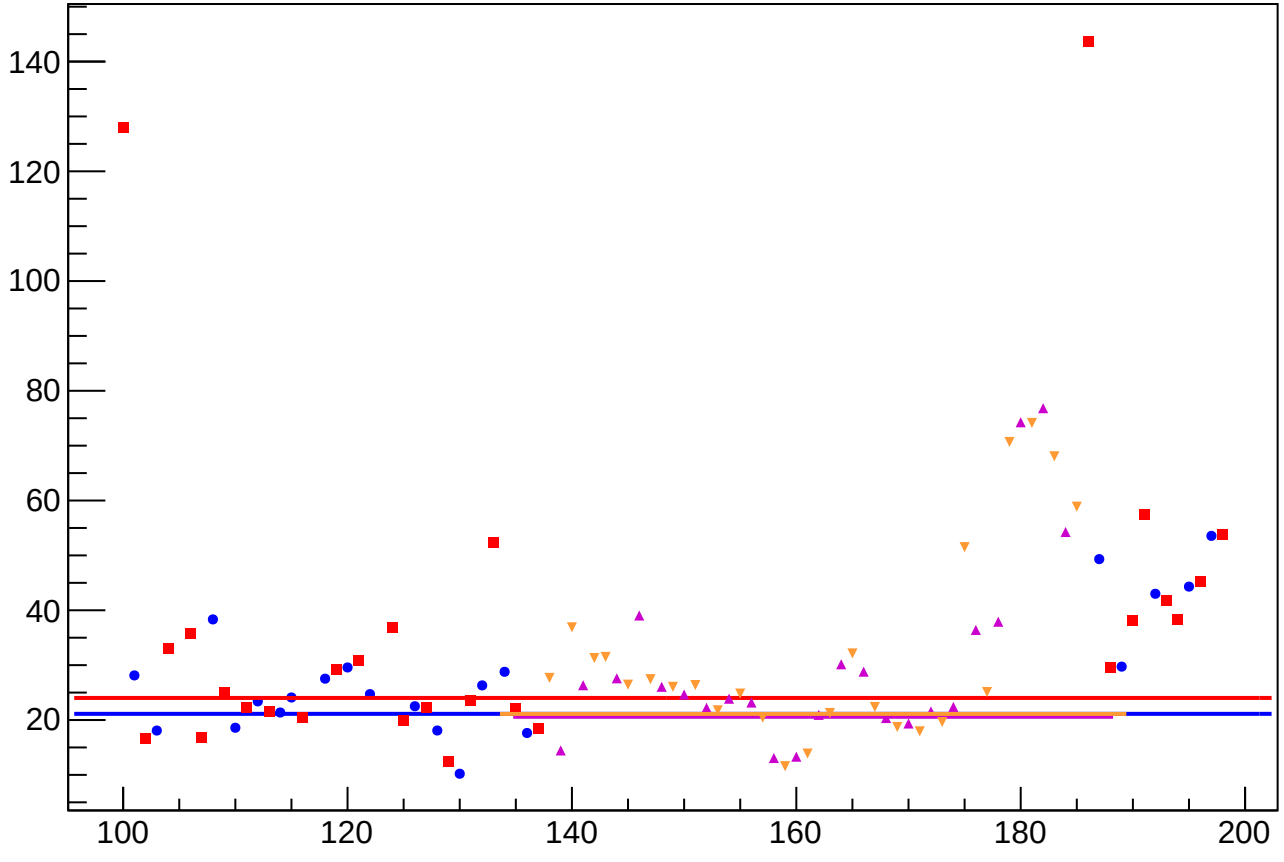
Right: -0.009+/-0.005 χ^2/NDF: 50.4/47

In: -0.002+/-0.004 χ^2/NDF:51.8/43

Out: -0.005+/-0.004 χ^2/NDF:58.2/51

All: -0.003+/-0.003 χ^2/NDF: 110.2/95

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.124+/-0.005 χ^2/NDF: 3257568.8/20

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 24.022+/-0.005 χ^2/NDF: 3727127.8/26

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

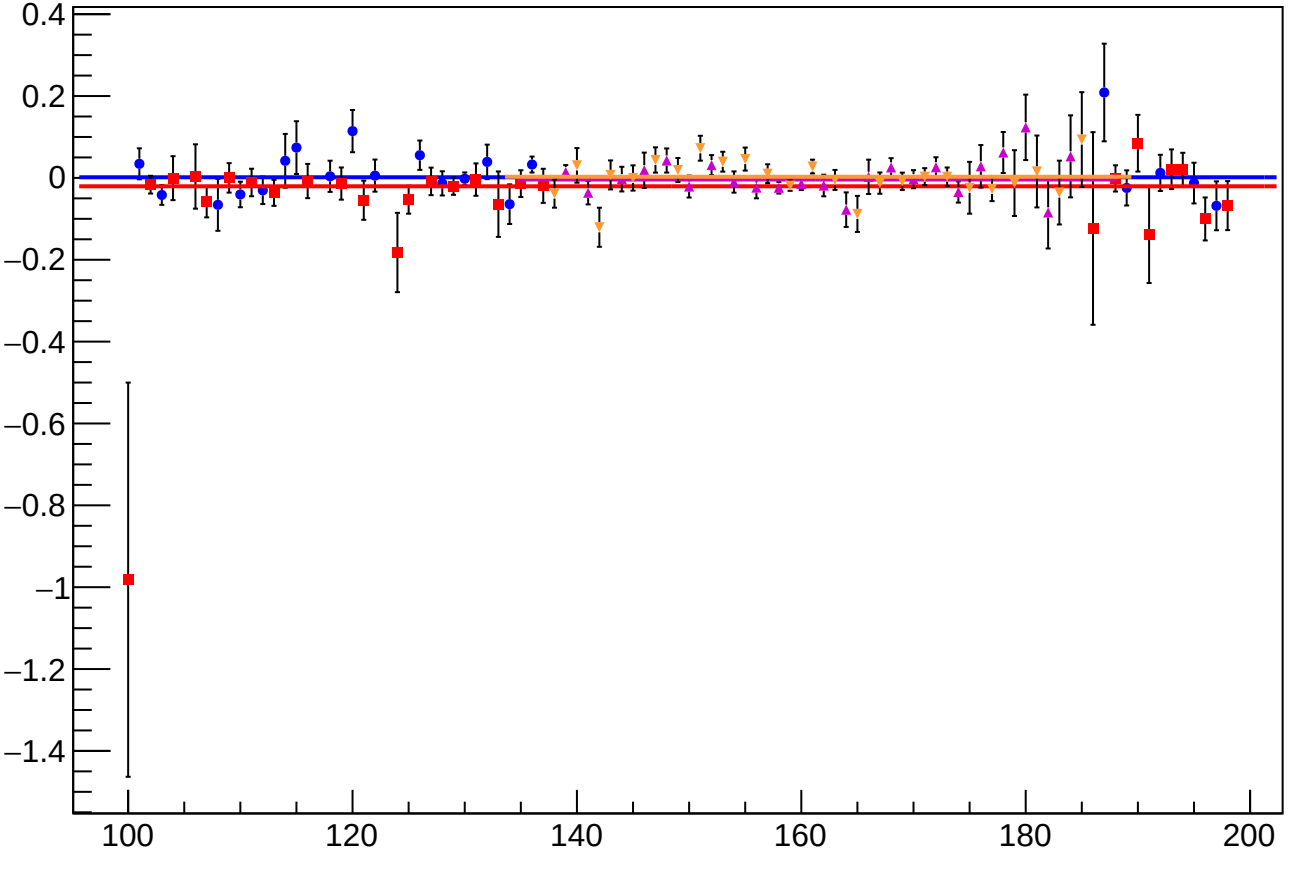
Right: 22.519+/-0.004 χ^2/NDF: 7132158.1/47

In: 20.778+/-0.003 χ^2/NDF:7863767.8/43

Out: 22.084+/-0.003 χ^2/NDF:9464927.1/51

All: 21.421+/-0.002 χ^2/NDF: 17416223.9/95

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.007 χ^2/NDF: 26.9/20

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.008 χ^2/NDF: 19.3/26

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

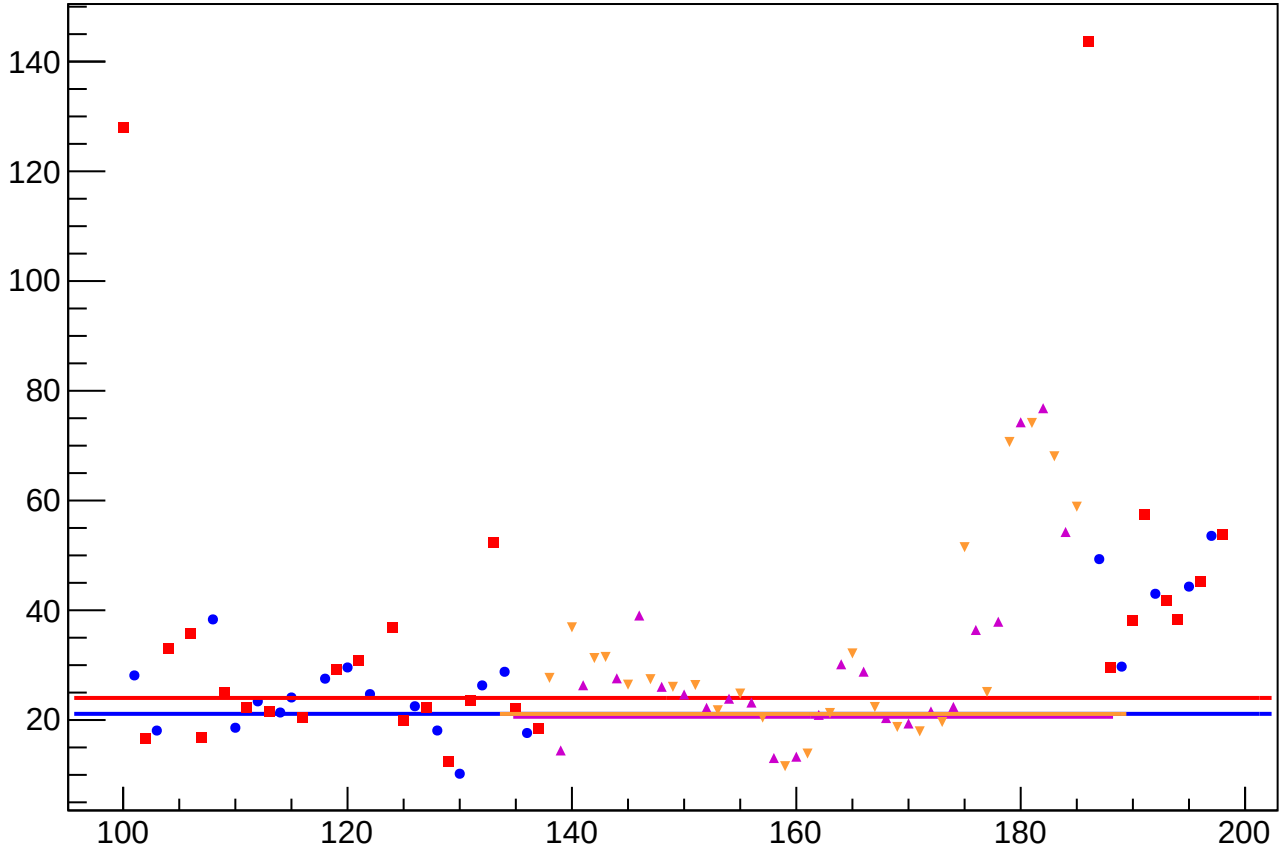
Right: -0.009+/-0.005 χ^2/NDF: 50.4/47

In: -0.002+/-0.004 χ^2/NDF:51.8/43

Out: -0.005+/-0.004 χ^2/NDF:58.2/51

All: -0.003+/-0.003 χ^2/NDF: 110.2/95

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.124+/-0.005 χ^2/NDF: 3257568.8/20

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 24.022+/-0.005 χ^2/NDF: 3727127.8/26

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

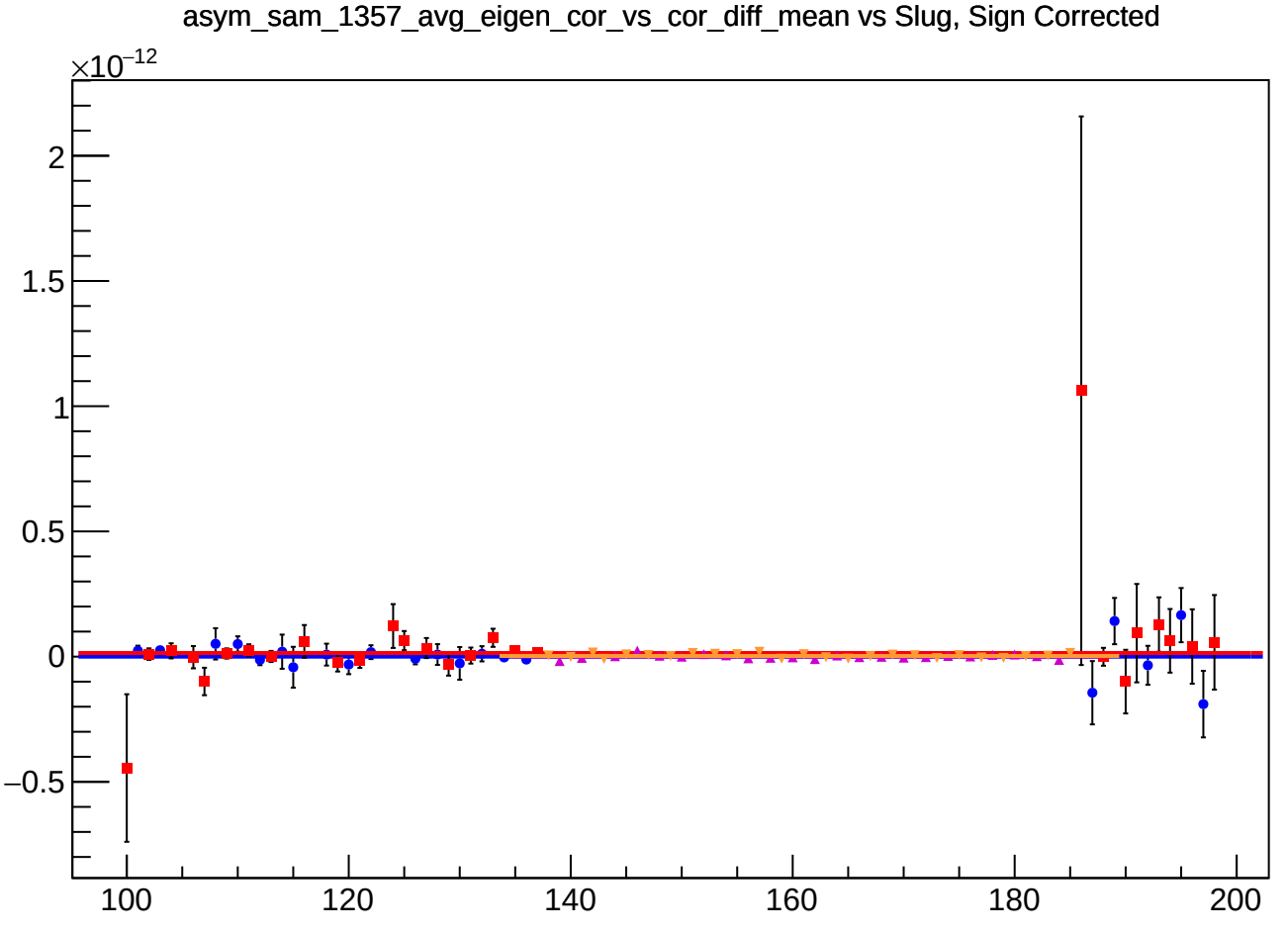
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 22.519+/-0.004 χ^2/NDF: 7132158.1/47

In: 20.778+/-0.003 χ^2/NDF:7863767.8/43

Out: 22.084+/-0.003 χ^2/NDF:9464927.1/51

All: 21.421+/-0.002 χ^2/NDF: 17416223.9/95



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/26

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

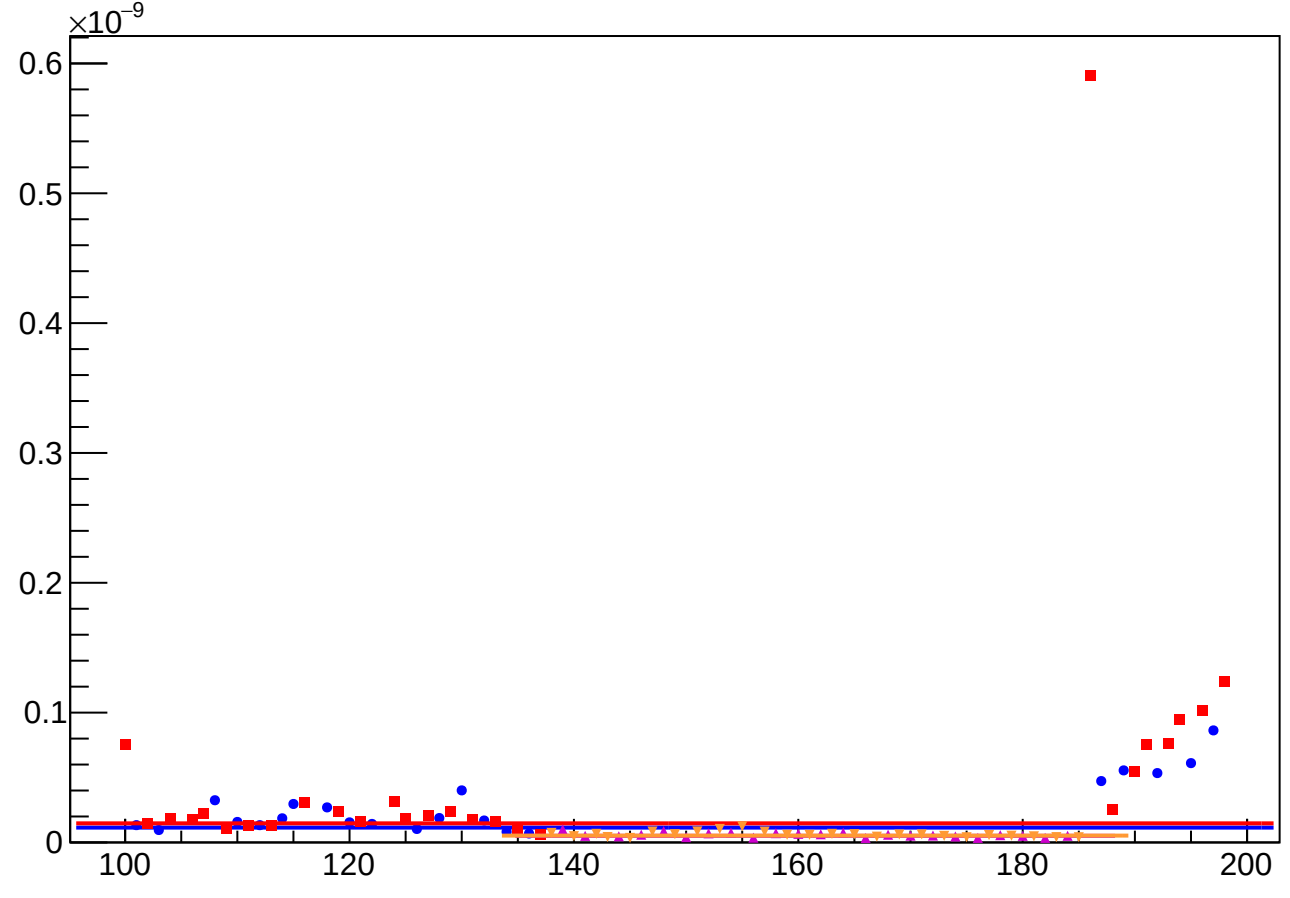
Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

Right: 0.000+/-0.000 χ^2/NDF: 42.7/47

In: 0.000+/-0.000 χ^2/NDF:40.1/43

Out: 0.000+/-0.000 χ^2/NDF:44.9/51

All: 0.000+/-0.000 χ^2/NDF: 86.6/95



Right In: 0.000+/-0.000 χ^2/NDF: 4123403.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5387924.5/26

Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

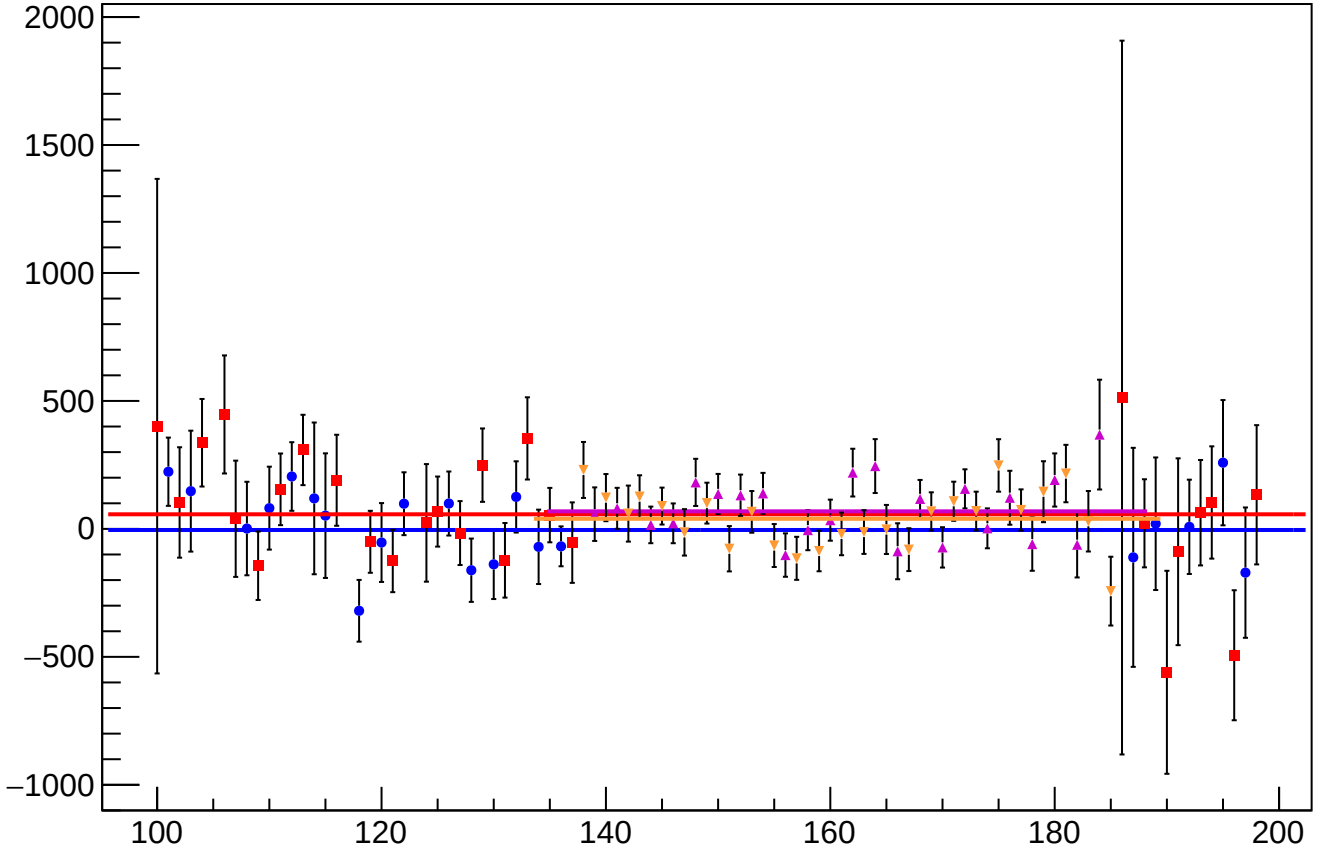
Right: 0.000+/-0.000 χ^2/NDF: 9810766.6/47

In: 0.000+/-0.000 χ^2/NDF:8250895.2/43

Out: 0.000+/-0.000 χ^2/NDF:11578957.8/51

All: 0.000+/-0.000 χ^2/NDF: 19857296.1/95

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: -4.252+/-32.745 χ^2/NDF: 20.6/20

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: 57.058+/-32.559 χ^2/NDF: 30.5/26

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

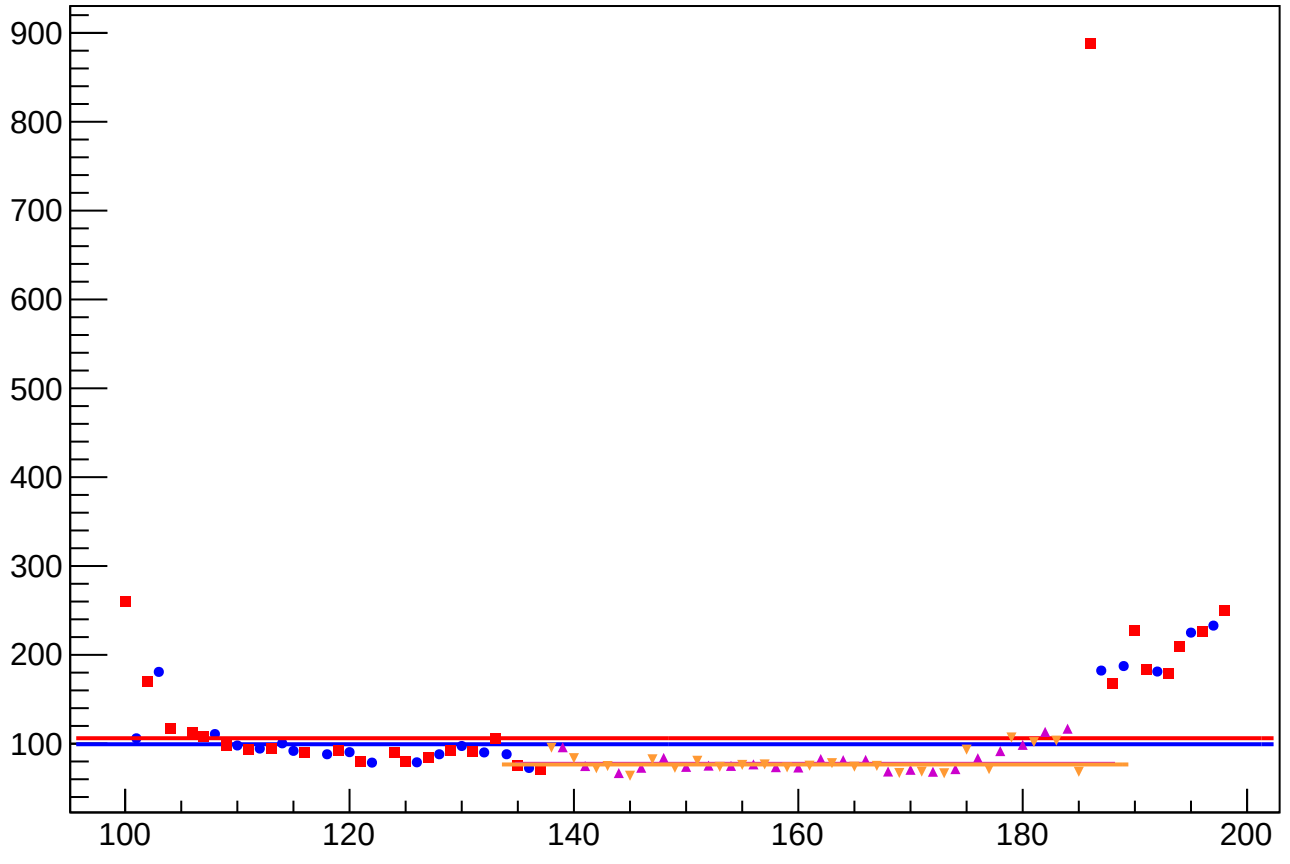
Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

Right: 26.577+/-23.088 χ^2/NDF: 52.9/47

In: 51.252+/-15.986 χ^2/NDF:53.4/43

Out: 43.476+/-15.528 χ^2/NDF:62.7/51

All: 47.251+/-11.138 χ^2/NDF: 116.2/95



Right In: 99.400+/-0.023 χ^2/NDF: 2439370.1/20

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

Right Out: 106.170+/-0.023 χ^2/NDF: 3728218.4/26

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

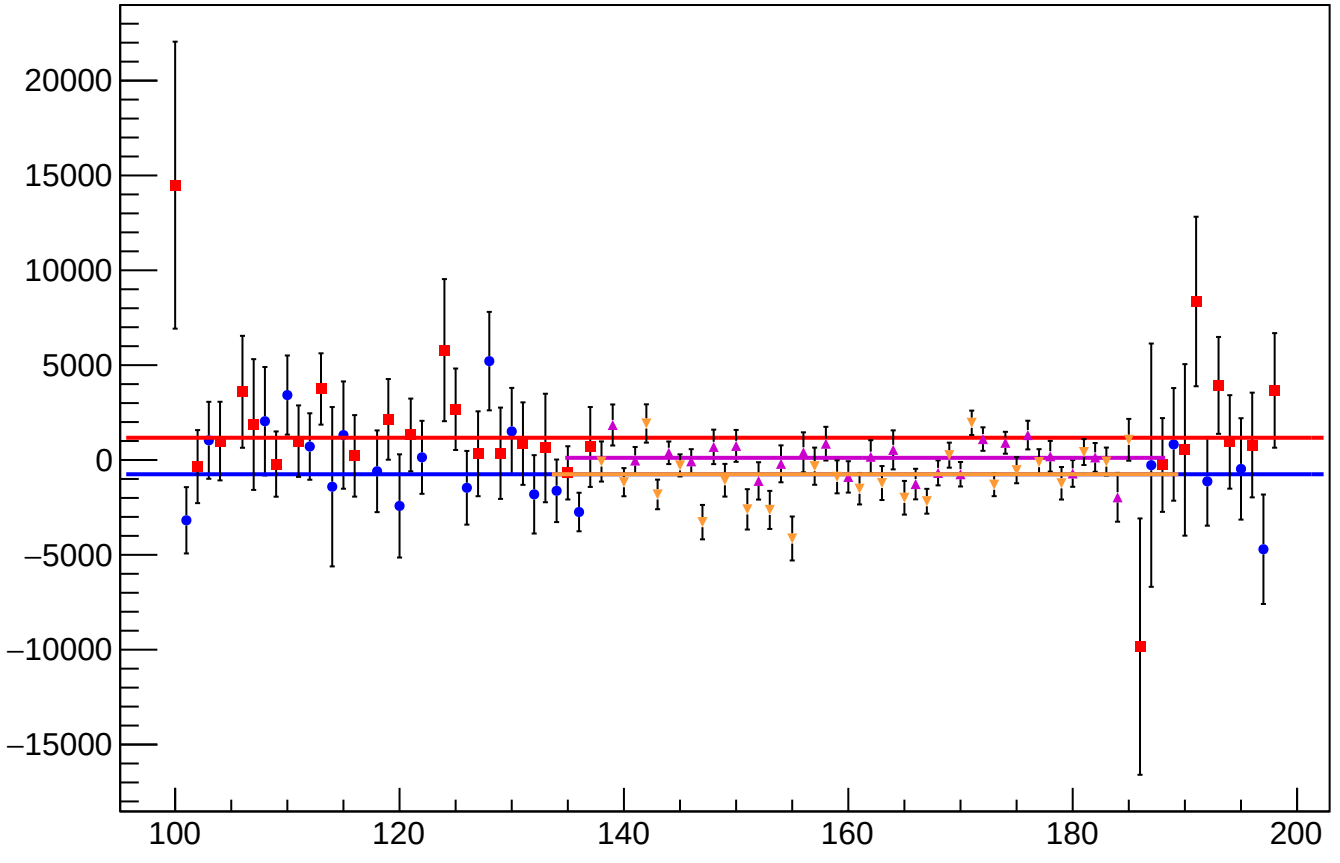
Right: 102.804+/-0.016 χ^2/NDF: 6210577.0/47

In: 82.604+/-0.011 χ^2/NDF:3720654.5/43

Out: 83.361+/-0.011 χ^2/NDF:5653274.0/51

All: 82.994+/-0.008 χ^2/NDF: 9376237.5/95

asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -751.621+/-456.137 χ^2/NDF: 22.5/20

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: 1172.641+/-451.641 χ^2/NDF: 19.0/26

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

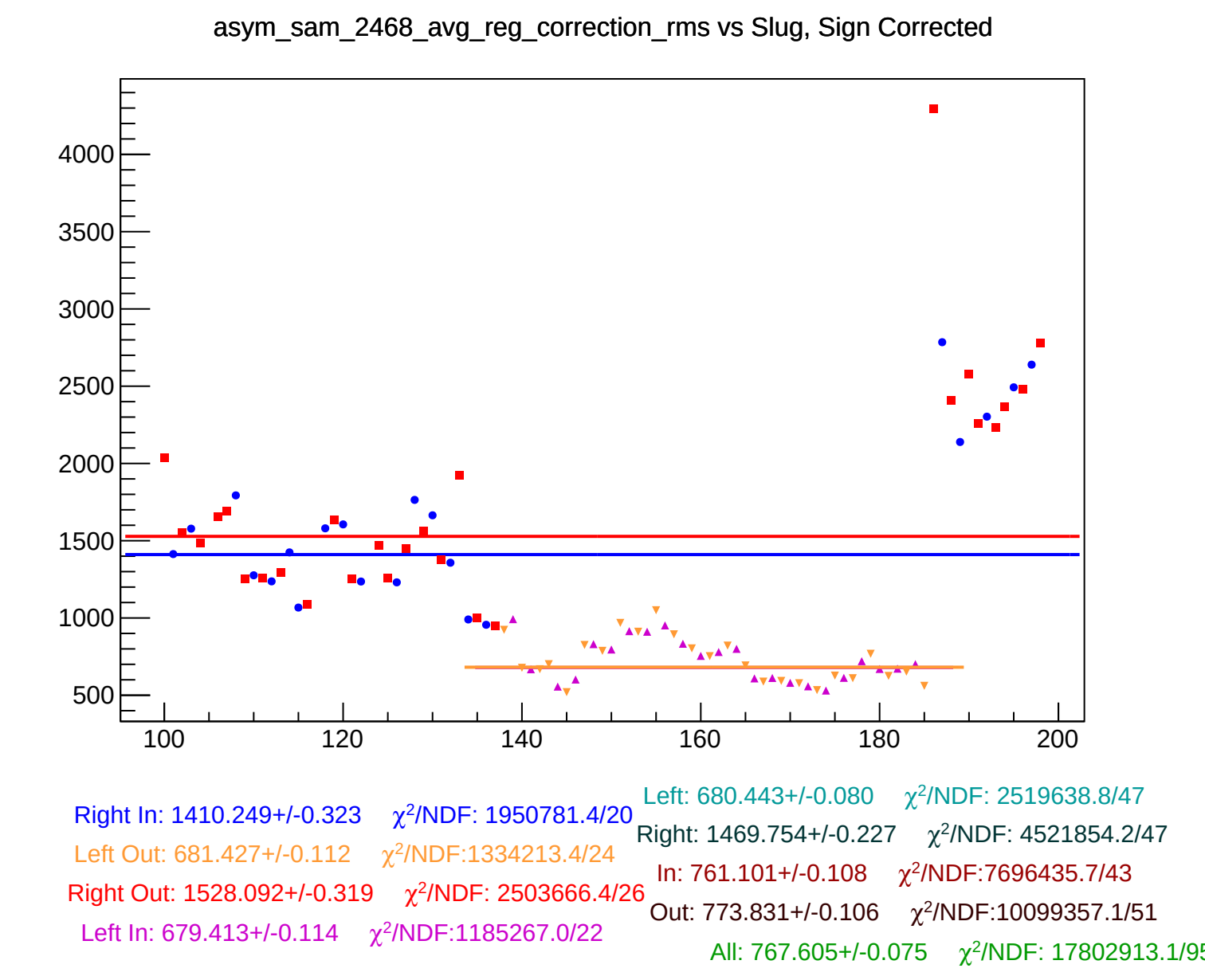
Left: -327.982+/-113.075 χ^2/NDF: 109.6/47

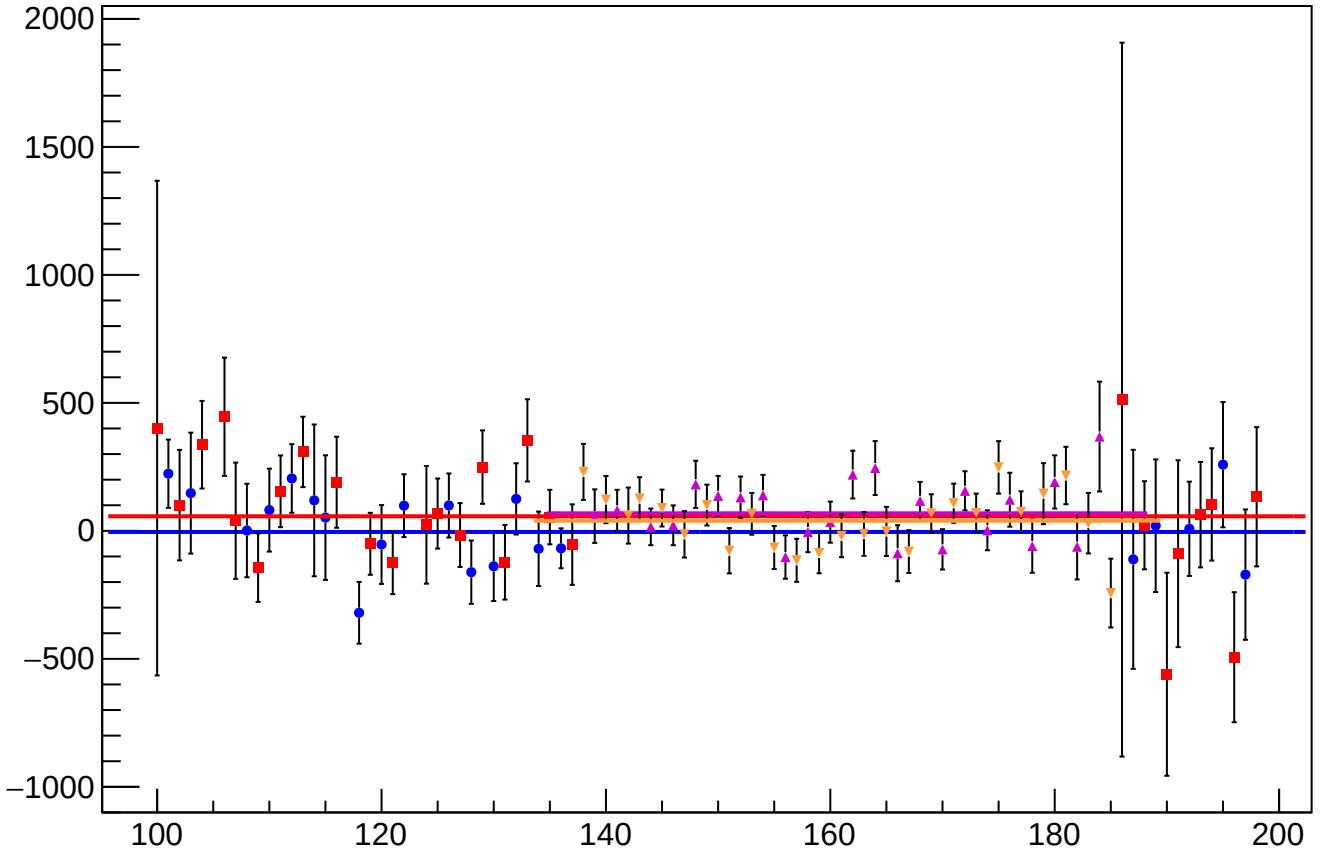
Right: 220.040+/-320.936 χ^2/NDF: 50.5/47

In: 17.068+/-152.498 χ^2/NDF:50.7/43

Out: -539.844+/-149.205 χ^2/NDF:105.1/51

All: -267.465+/-106.649 χ^2/NDF: 162.7/95


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: 1410.249+/-0.323 χ²/NDF: 1950781.4/20
Left Out: 681.427+/-0.112 χ²/NDF:1334213.4/24
Right Out: 1528.092+/-0.319 χ²/NDF: 2503666.4/26
Left In: 679.413+/-0.114 χ²/NDF:1185267.0/22
Left: 680.443+/-0.080 χ²/NDF: 2519638.8/47
Right: 1469.754+/-0.227 χ²/NDF: 4521854.2/47
In: 761.101+/-0.108 χ²/NDF:7696435.7/43
Out: 773.831+/-0.106 χ²/NDF:10099357.1/51
All: 767.605+/-0.075 χ²/NDF: 17802913.1/95



Right In: -4.261+/-32.745 χ^2/NDF: 20.6/20

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 56.931+/-32.561 χ^2/NDF: 30.5/26

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

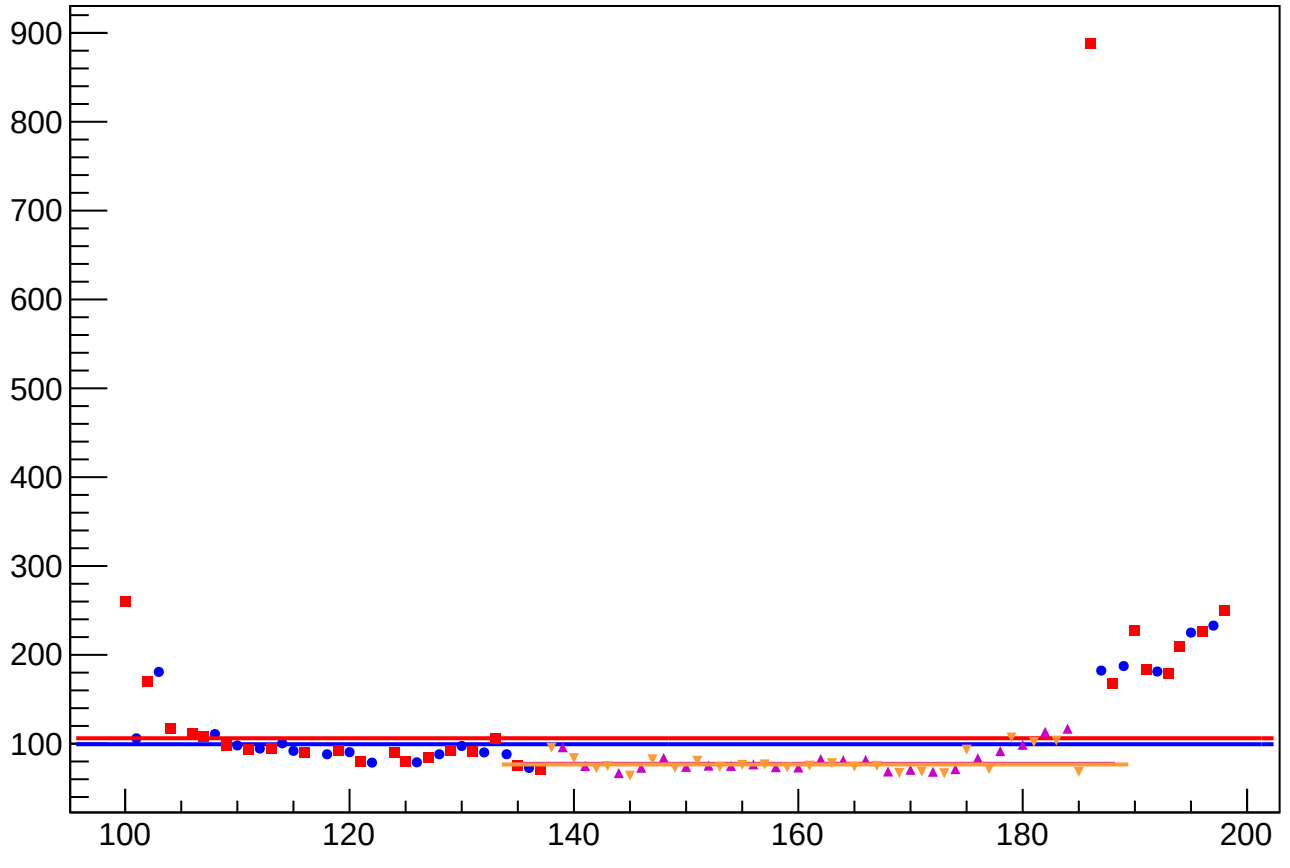
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 26.508+/-23.089 χ^2/NDF: 52.8/47

In: 51.250+/-15.986 χ^2/NDF:53.4/43

Out: 43.452+/-15.528 χ^2/NDF:62.7/51

All: 47.238+/-11.138 χ^2/NDF: 116.1/95



Right In: 99.400+/-0.023 χ^2/NDF: 2439373.7/20

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 106.144+/-0.023 χ^2/NDF: 3727881.5/26

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

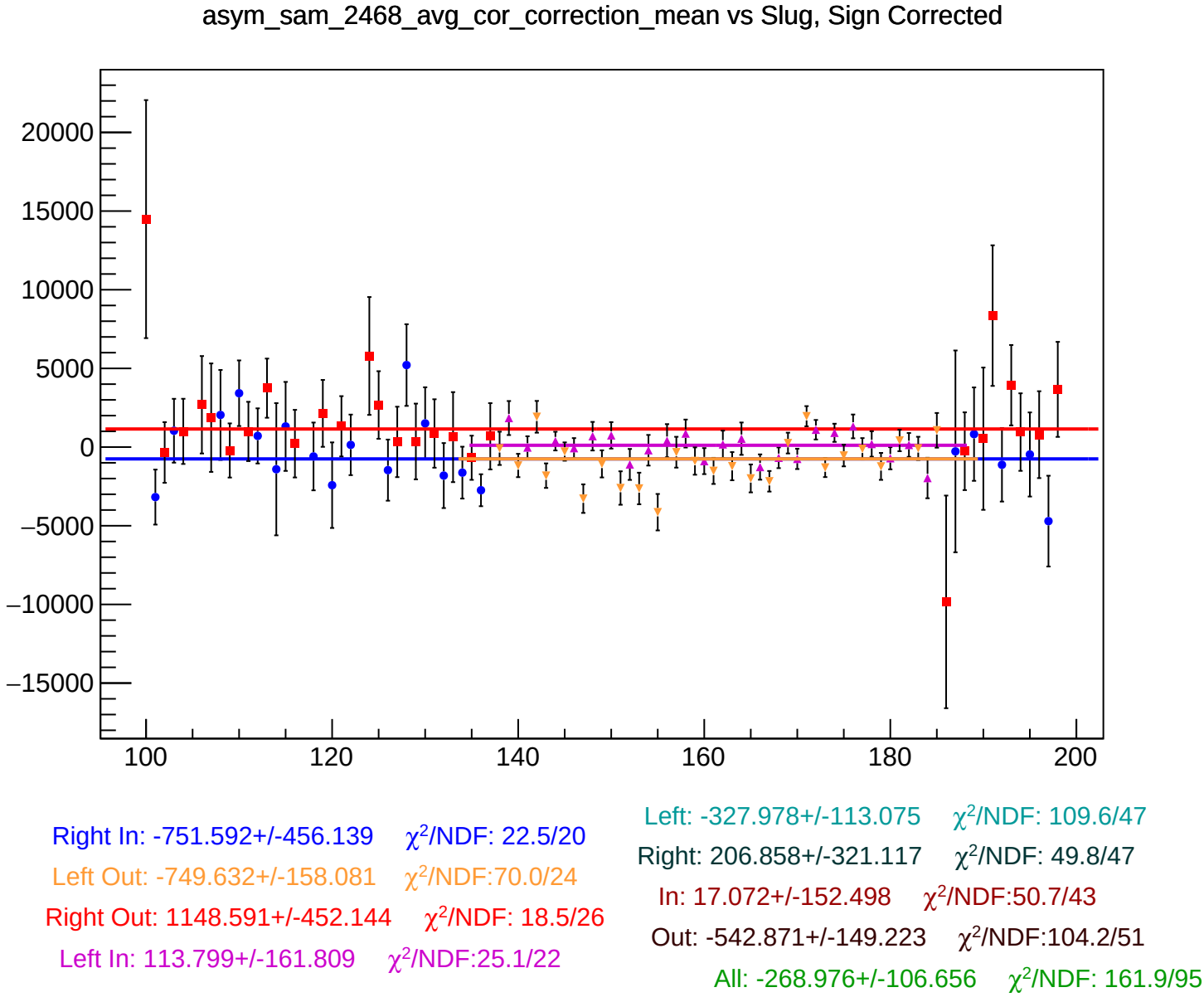
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

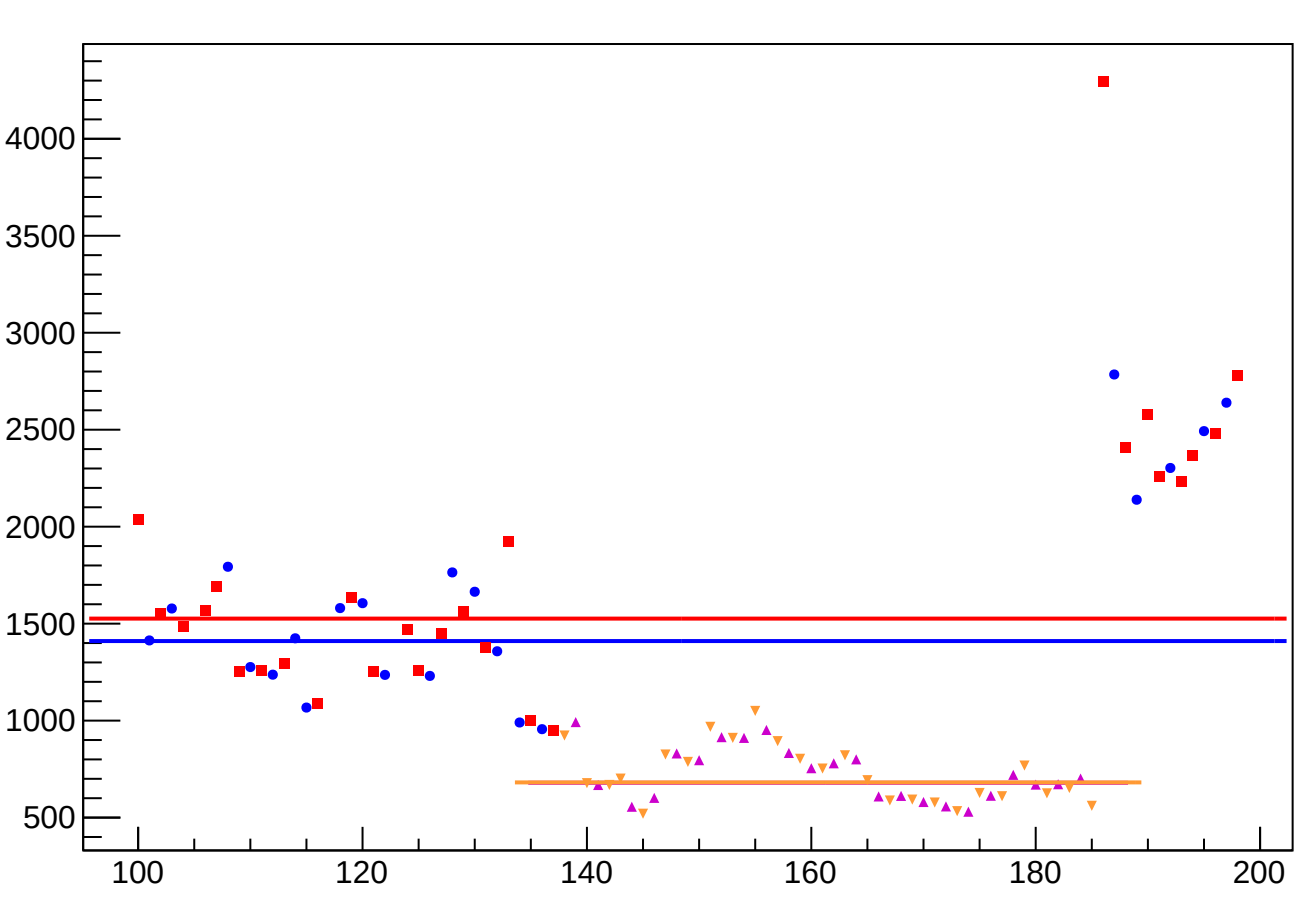
Right: 102.791+/-0.016 χ^2/NDF: 6209907.7/47

In: 82.604+/-0.011 χ^2/NDF:3720658.1/43

Out: 83.355+/-0.011 χ^2/NDF:5650576.0/51

All: 82.990+/-0.008 χ^2/NDF: 9373503.6/95


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: -751.592+/-456.139 χ²/NDF: 22.5/20
Left Out: -749.632+/-158.081 χ²/NDF:70.0/24
Right Out: 1148.591+/-452.144 χ²/NDF: 18.5/26
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.978+/-113.075 χ²/NDF: 109.6/47
Right: 206.858+/-321.117 χ²/NDF: 49.8/47
In: 17.072+/-152.498 χ²/NDF:50.7/43
Out: -542.871+/-149.223 χ²/NDF:104.2/51
All: -268.976+/-106.656 χ²/NDF: 161.9/95



Right In: 1410.253+/-0.323 χ^2/NDF: 1950799.8/20

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1526.031+/-0.320 χ^2/NDF: 2500289.9/26

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

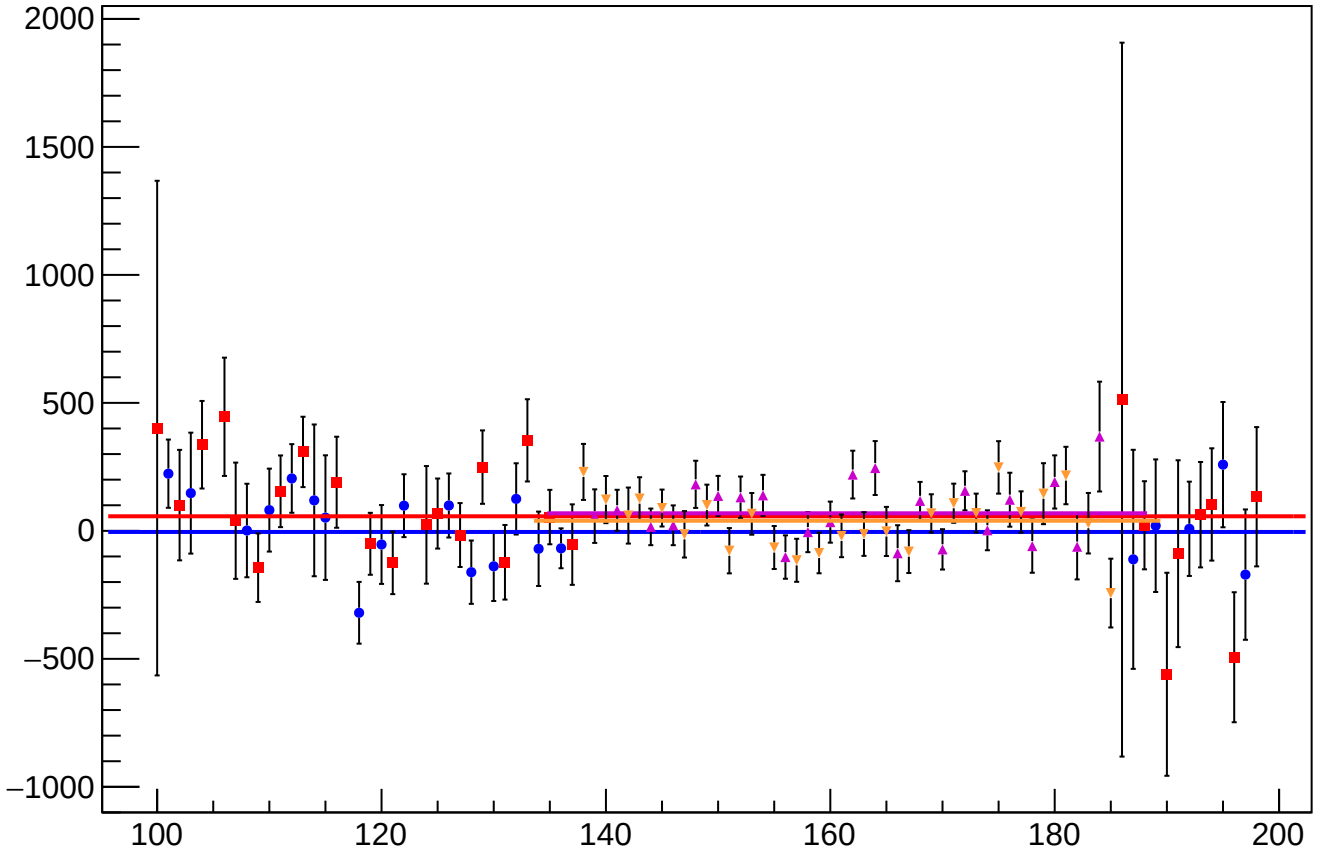
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1468.651+/-0.227 χ^2/NDF: 4516081.8/47

In: 761.102+/-0.108 χ^2/NDF:7696469.6/43

Out: 773.424+/-0.106 χ^2/NDF:10053187.5/51

All: 767.396+/-0.075 χ^2/NDF: 17756327.5/95



Right In: -4.261+/-32.745 χ^2/NDF: 20.6/20

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 56.931+/-32.561 χ^2/NDF: 30.5/26

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

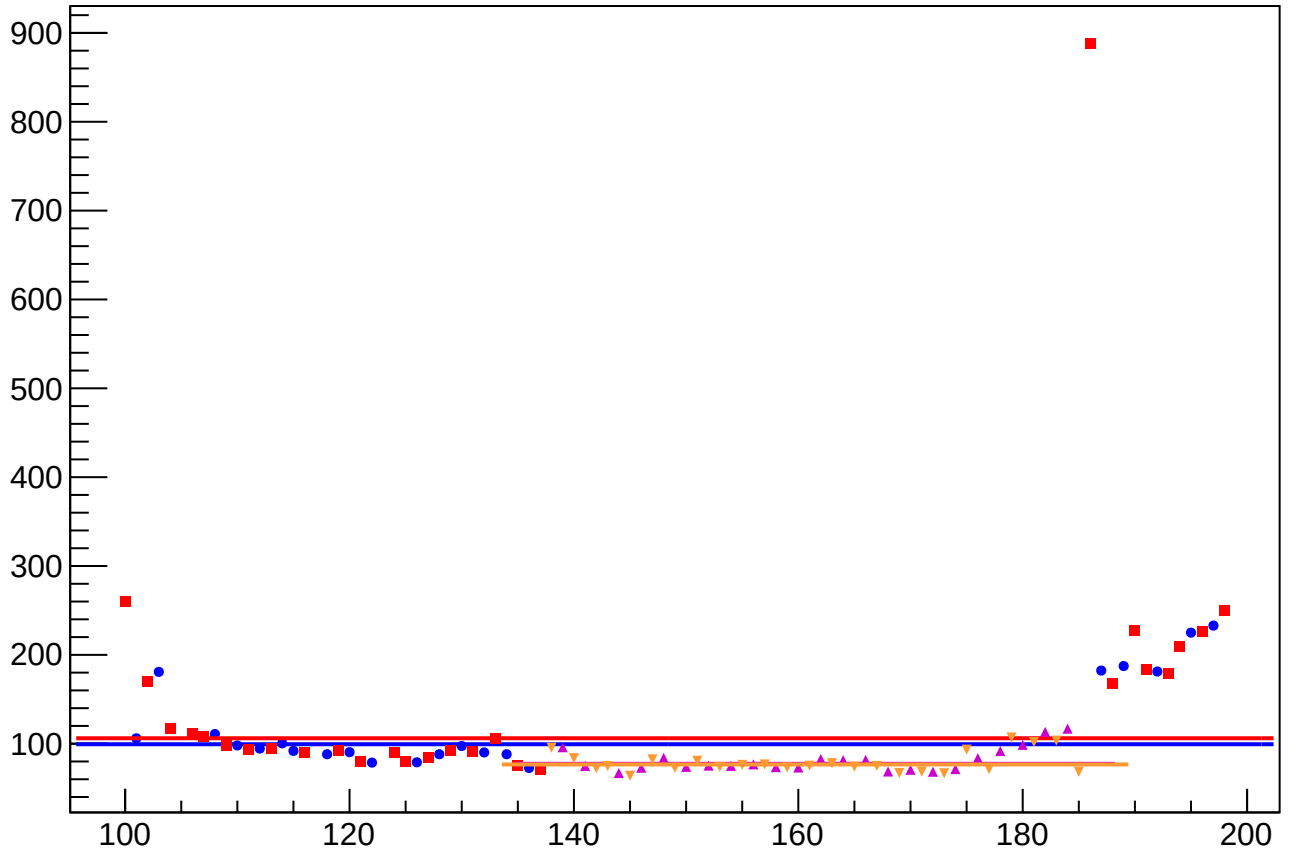
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 26.508+/-23.089 χ^2/NDF: 52.8/47

In: 51.250+/-15.986 χ^2/NDF:53.4/43

Out: 43.452+/-15.528 χ^2/NDF:62.7/51

All: 47.238+/-11.138 χ^2/NDF: 116.1/95



Right In: 99.400+/-0.023 χ^2/NDF: 2439373.7/20

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 106.144+/-0.023 χ^2/NDF: 3727881.5/26

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

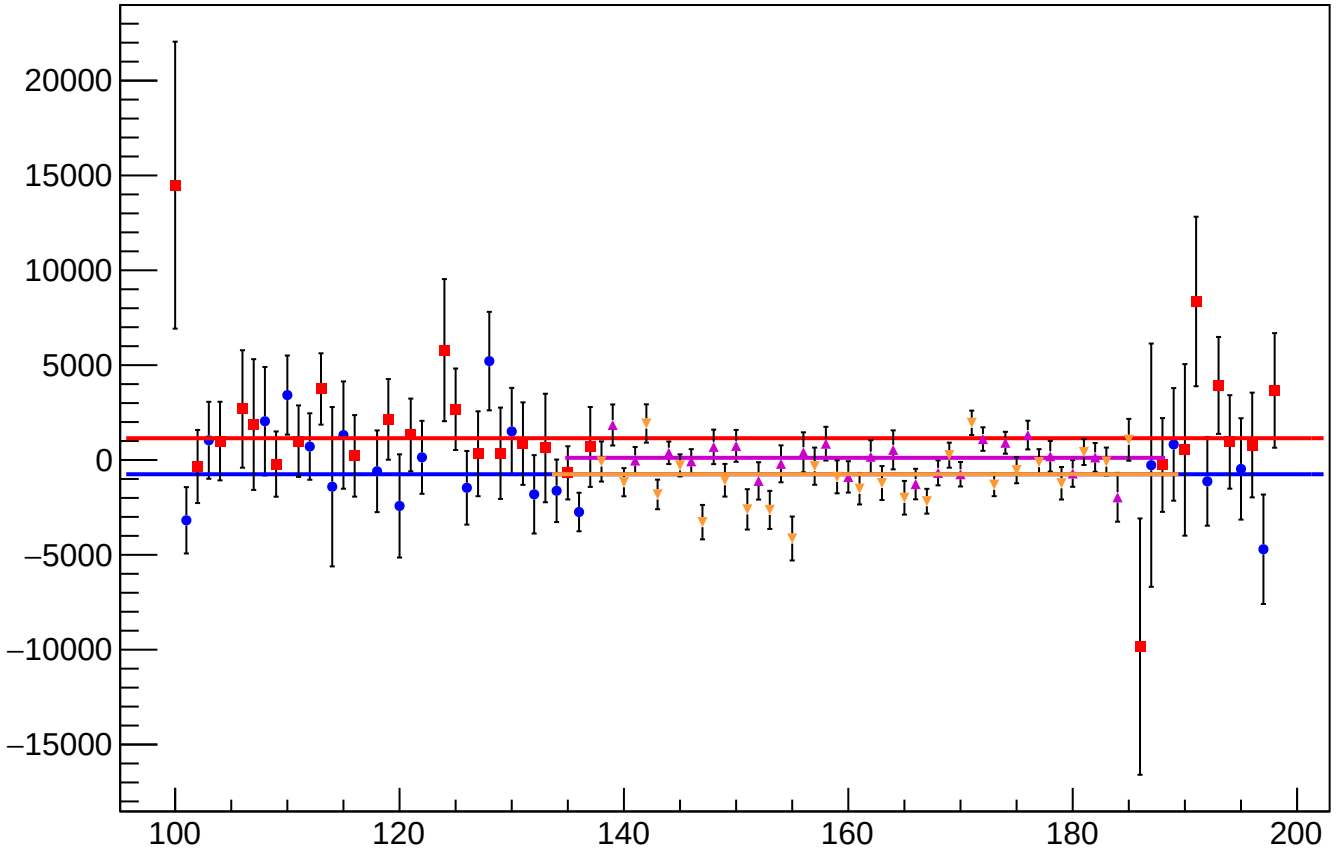
Right: 102.791+/-0.016 χ^2/NDF: 6209907.7/47

In: 82.604+/-0.011 χ^2/NDF:3720658.1/43

Out: 83.355+/-0.011 χ^2/NDF:5650576.0/51

All: 82.990+/-0.008 χ^2/NDF: 9373503.6/95

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -751.592+/-456.139 χ^2/NDF: 22.5/20

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 1148.591+/-452.144 χ^2/NDF: 18.5/26

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

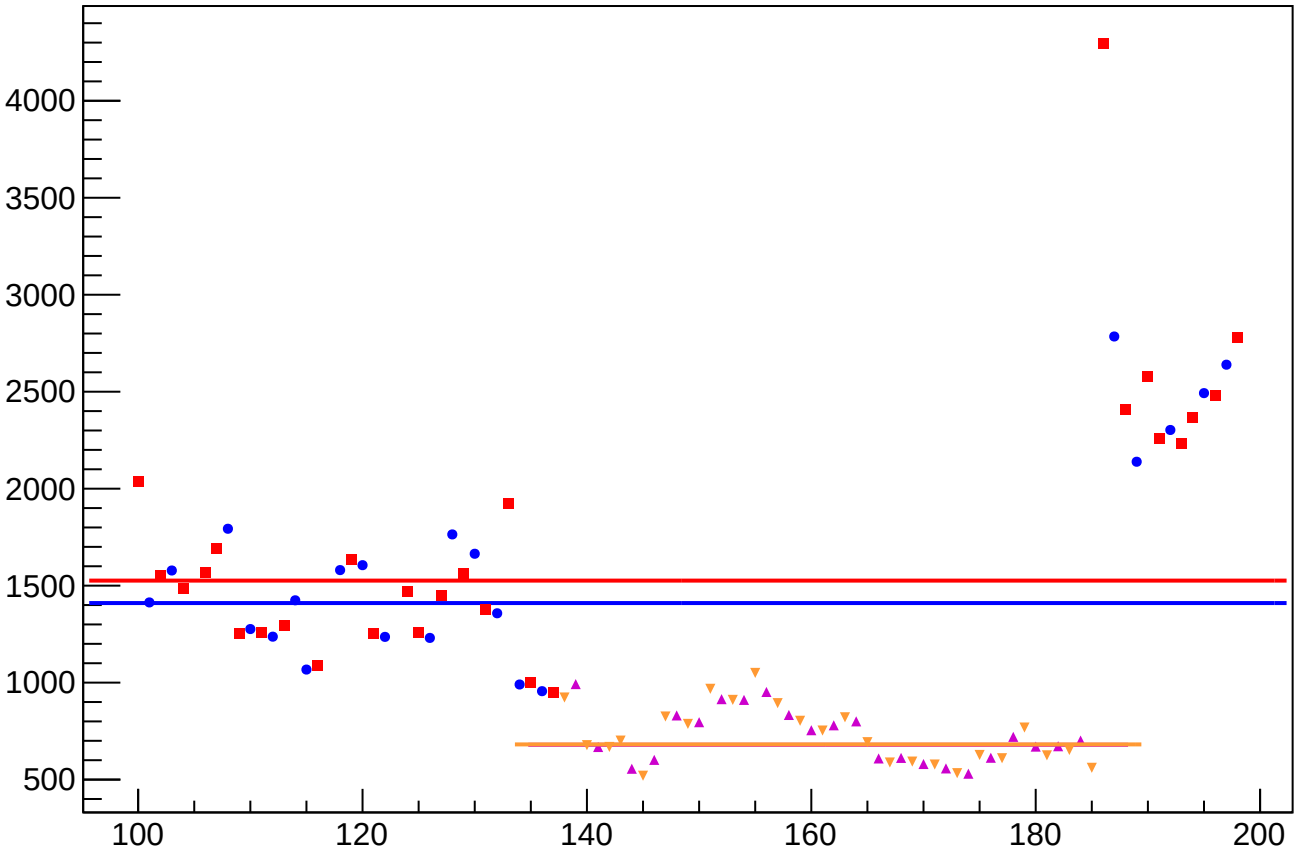
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 206.858+/-321.117 χ^2/NDF: 49.8/47

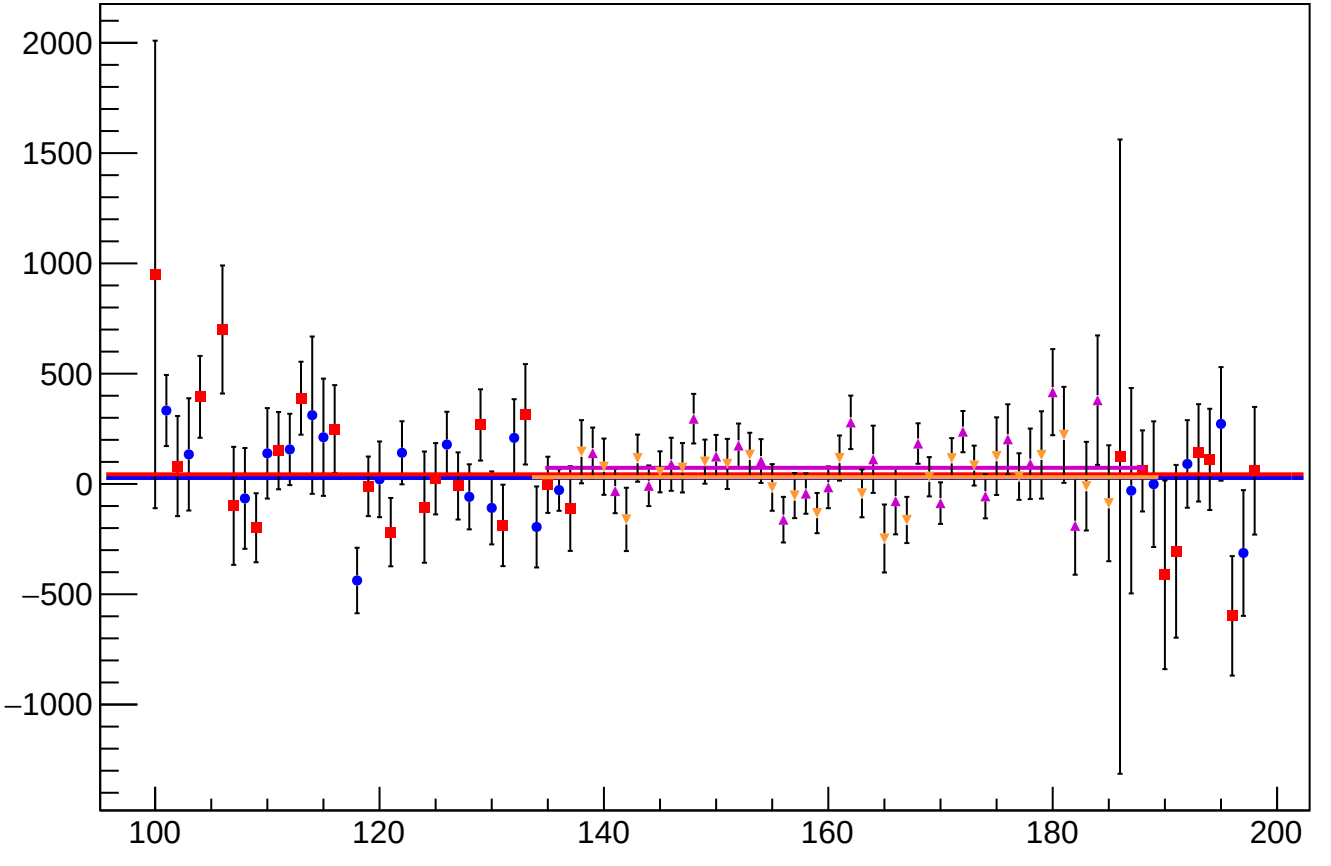
In: 17.072+/-152.498 χ^2/NDF:50.7/43

Out: -542.871+/-149.223 χ^2/NDF:104.2/51

All: -268.976+/-106.656 χ^2/NDF: 161.9/95


asym_sam_2468_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1410.253+/-0.323 χ²/NDF: 1950799.8/20
Left Out: 681.426+/-0.112 χ²/NDF:1334214.9/24
Right Out: 1526.031+/-0.320 χ²/NDF: 2500289.9/26
Left In: 679.414+/-0.114 χ²/NDF:1185265.0/22
Left: 680.443+/-0.080 χ²/NDF: 2519638.2/47
Right: 1468.651+/-0.227 χ²/NDF: 4516081.8/47
In: 761.102+/-0.108 χ²/NDF:7696469.6/43
Out: 773.424+/-0.106 χ²/NDF:10053187.5/51
All: 767.396+/-0.075 χ²/NDF: 17756327.5/95

dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 27.122+/-38.977 χ^2/NDF: 23.8/20

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 43.680+/-38.153 χ^2/NDF: 35.0/26

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

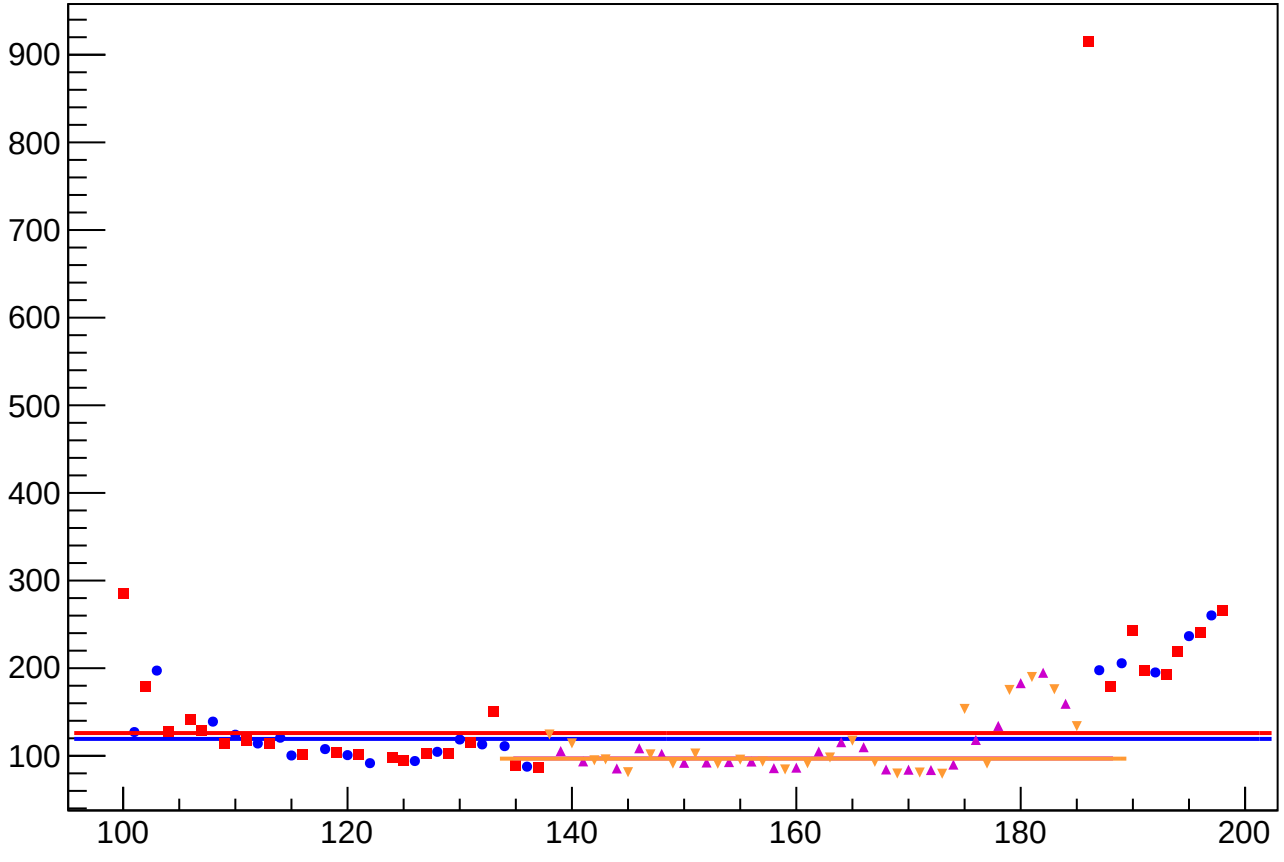
Right: 35.578+/-27.265 χ^2/NDF: 58.9/47

In: 60.869+/-20.132 χ^2/NDF:59.3/43

Out: 34.116+/-19.607 χ^2/NDF:55.0/51

All: 47.139+/-14.046 χ^2/NDF: 115.3/95

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 119.320+/-0.028 χ^2/NDF: 2077980.6/20

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 125.984+/-0.027 χ^2/NDF: 3116902.0/26

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

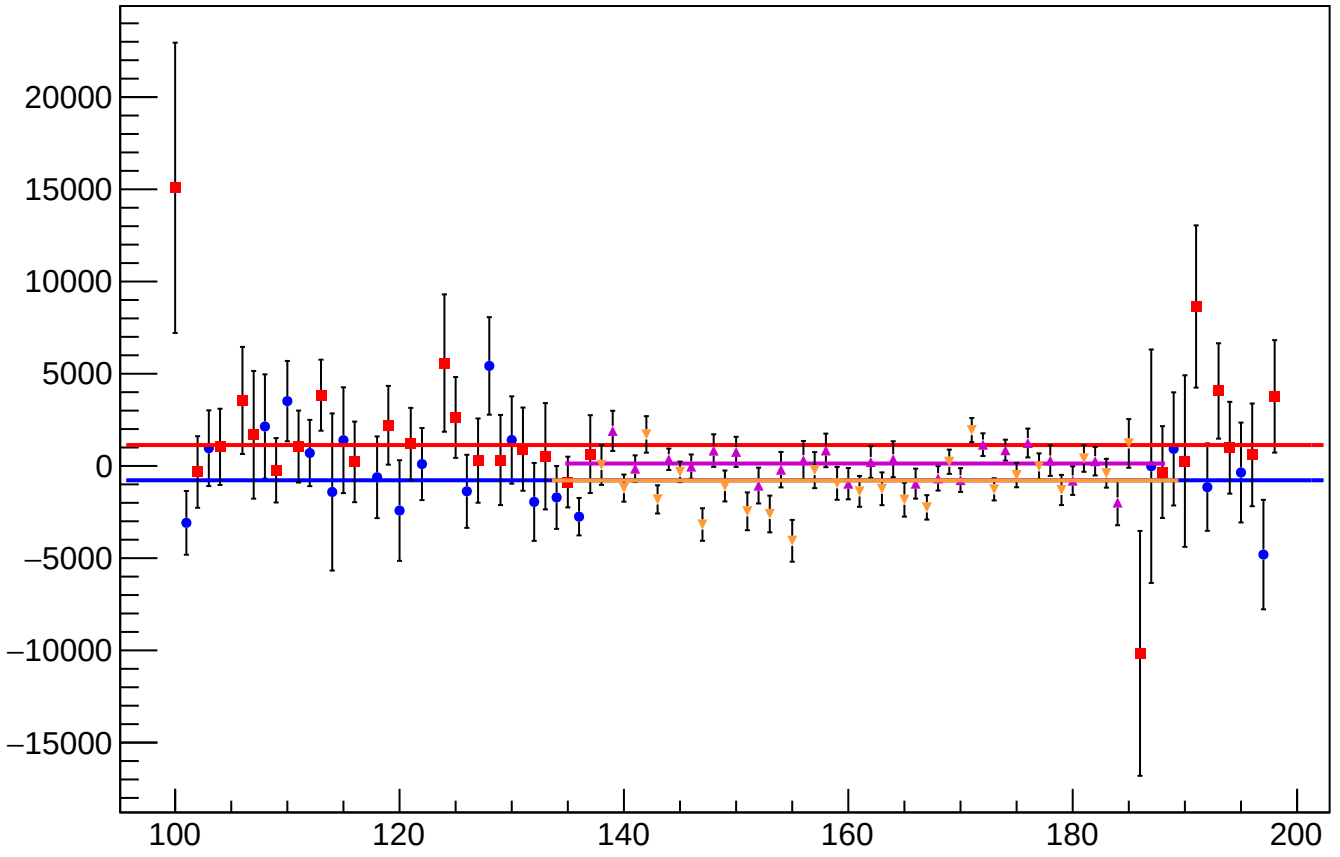
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

Right: 122.723+/-0.019 χ^2/NDF: 5224740.2/47

In: 102.967+/-0.014 χ^2/NDF:3879339.9/43

Out: 104.503+/-0.014 χ^2/NDF:5698809.0/51

All: 103.755+/-0.010 χ^2/NDF: 9584128.1/95



Right In: -777.432+/-462.776 χ^2/NDF: 22.3/20

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: 1132.810+/-456.071 χ^2/NDF: 20.1/26

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

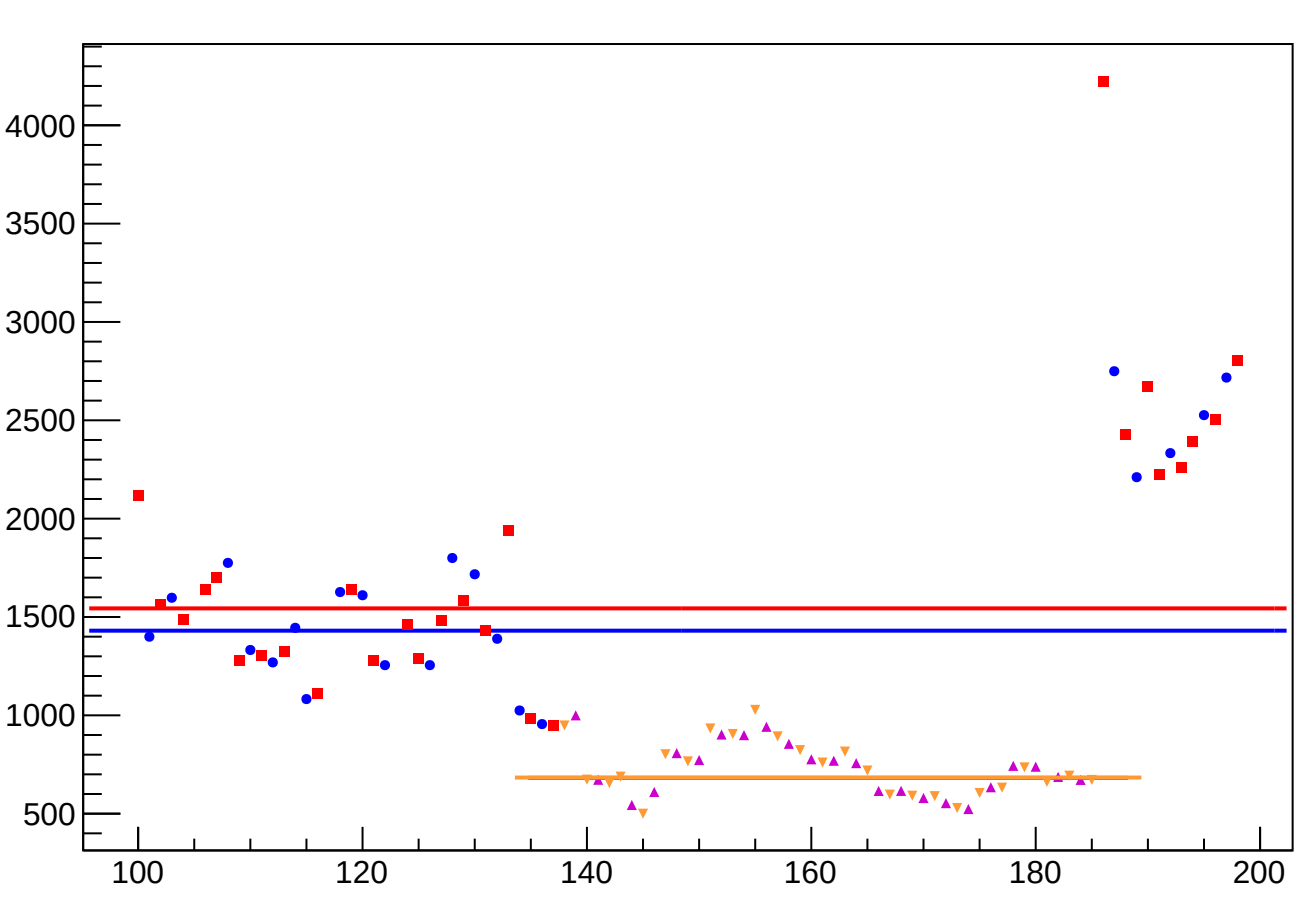
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

Right: 191.629+/-324.836 χ^2/NDF: 51.1/47

In: 31.722+/-153.246 χ^2/NDF:50.0/43

Out: -577.617+/-149.572 χ^2/NDF:102.2/51

All: -280.340+/-107.039 χ^2/NDF: 160.3/95



Right In: 1430.411+/-0.327 χ^2/NDF: 1980010.6/20

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1543.758+/-0.322 χ^2/NDF: 2516118.5/26

Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

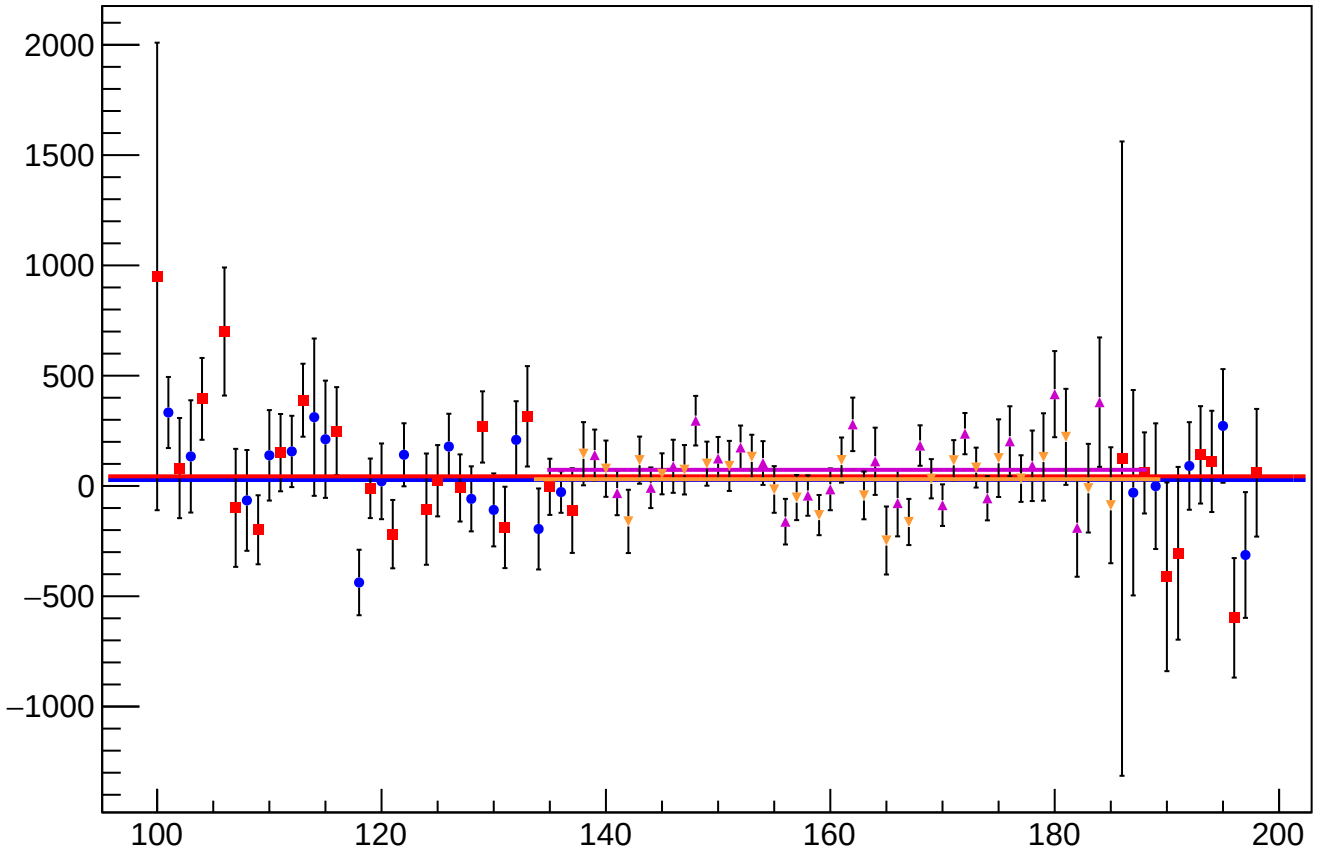
Left: 682.852+/-0.080 χ^2/NDF: 2484221.6/47

Right: 1487.912+/-0.230 χ^2/NDF: 4556994.9/47

In: 764.034+/-0.108 χ^2/NDF:7823825.6/43

Out: 776.203+/-0.106 χ^2/NDF:10161609.5/51

All: 770.266+/-0.076 χ^2/NDF: 17991893.0/95



Right In: 27.123+/-38.976 χ^2/NDF: 23.8/20

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 43.678+/-38.153 χ^2/NDF: 35.0/26

Left In: 73.146+/-23.510 χ^2/NDF:34.5/22

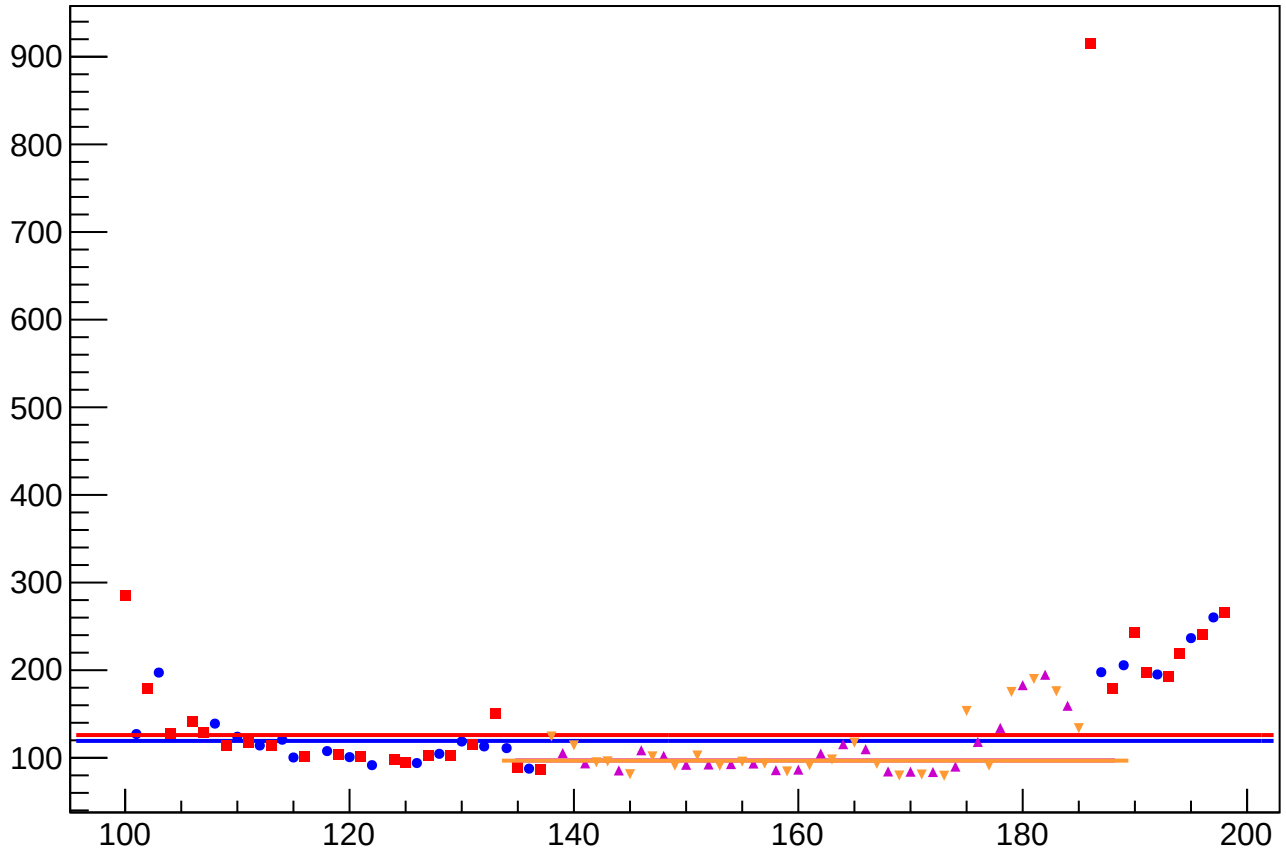
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: 35.577+/-27.265 χ^2/NDF: 58.9/47

In: 60.868+/-20.132 χ^2/NDF:59.3/43

Out: 34.116+/-19.607 χ^2/NDF:55.0/51

All: 47.139+/-14.046 χ^2/NDF: 115.3/95



Right In: 119.319+/-0.028 χ^2/NDF: 2077984.9/20

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 125.983+/-0.027 χ^2/NDF: 3116921.0/26

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

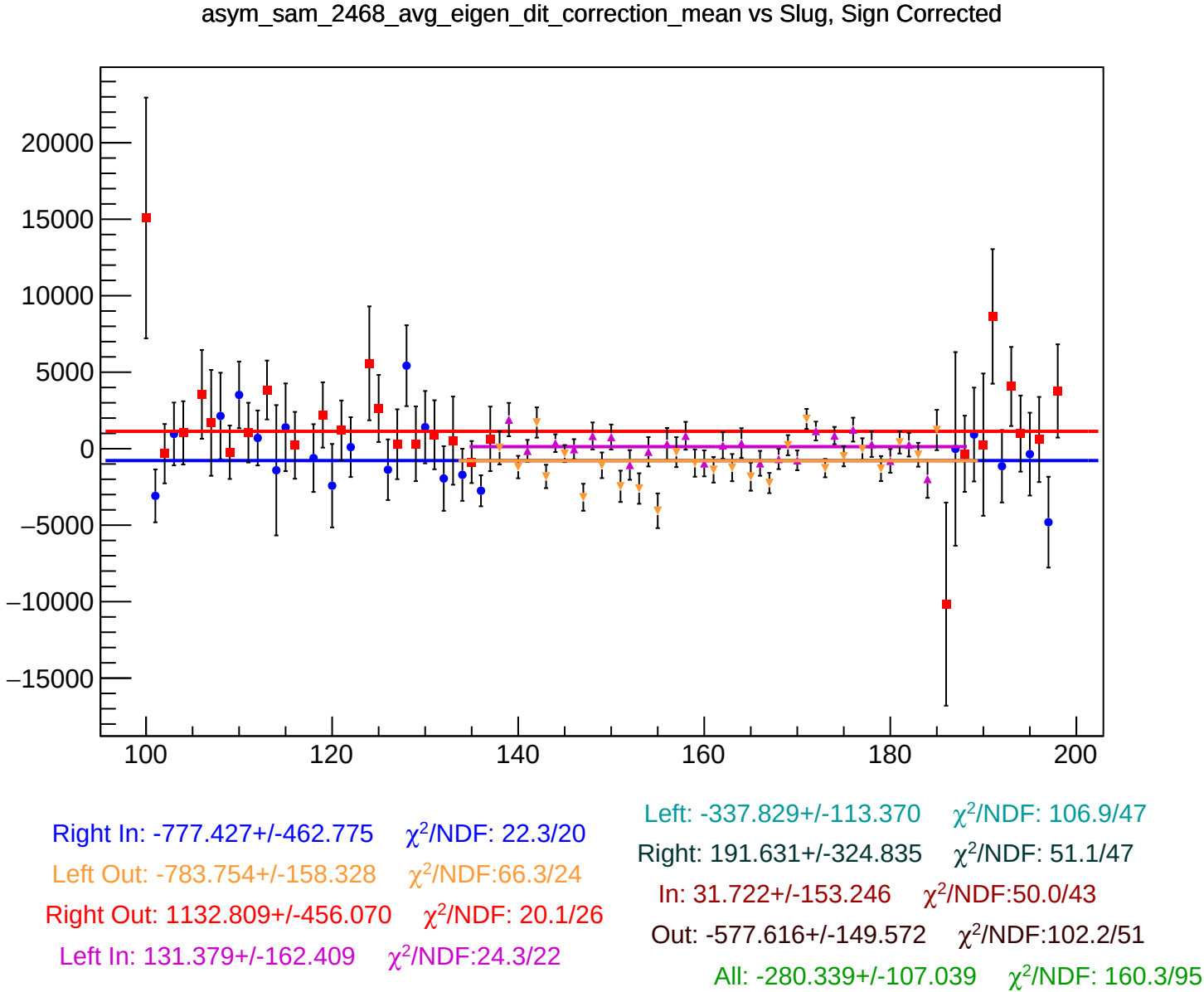
Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

Right: 122.722+/-0.019 χ^2/NDF: 5224764.9/47

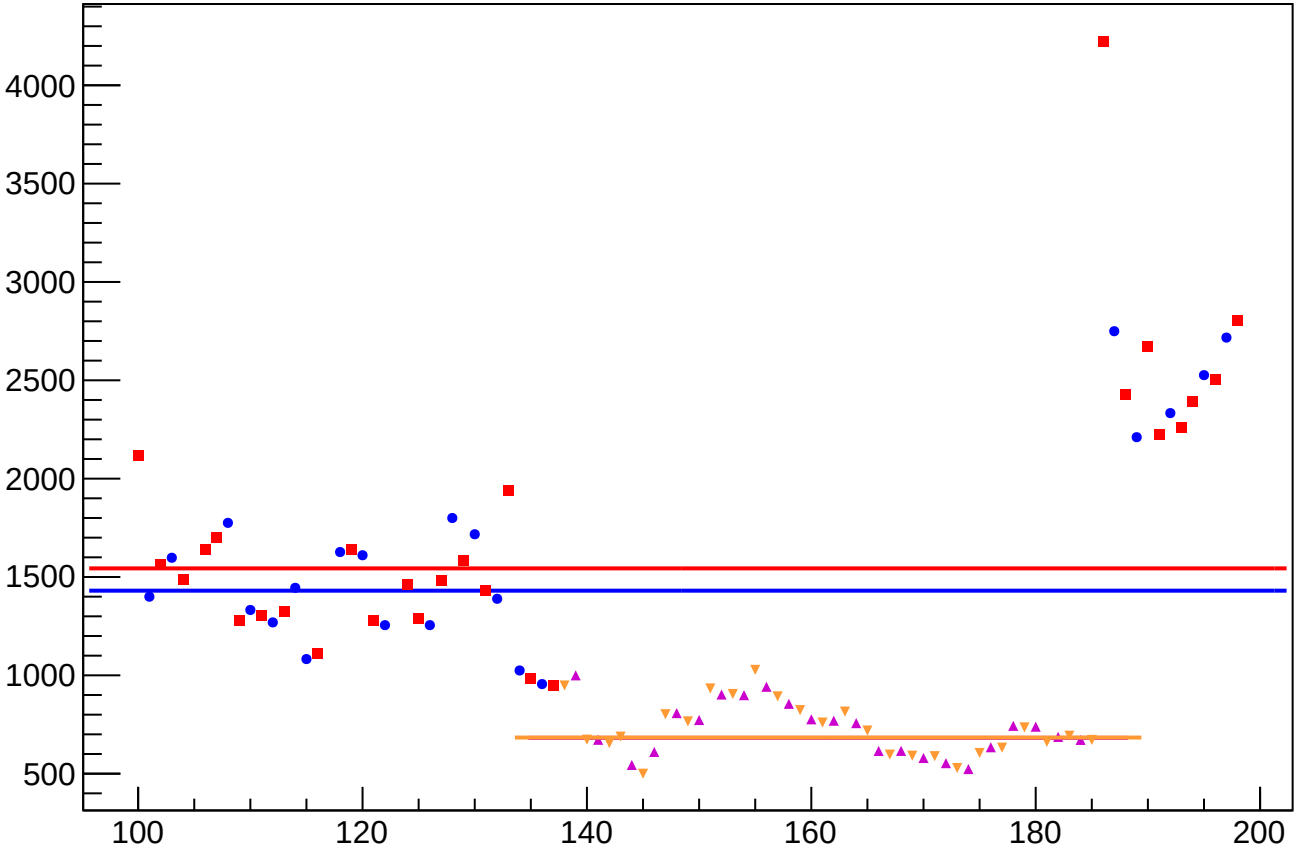
In: 102.967+/-0.014 χ^2/NDF:3879283.3/43

Out: 104.503+/-0.014 χ^2/NDF:5698774.1/51

All: 103.755+/-0.010 χ^2/NDF: 9584036.8/95


asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -777.427+/-462.775 χ²/NDF: 22.3/20
Left Out: -783.754+/-158.328 χ²/NDF:66.3/24
Right Out: 1132.809+/-456.070 χ²/NDF: 20.1/26
Left In: 131.379+/-162.409 χ²/NDF:24.3/22
Left: -337.829+/-113.370 χ²/NDF: 106.9/47
Right: 191.631+/-324.835 χ²/NDF: 51.1/47
In: 31.722+/-153.246 χ²/NDF:50.0/43
Out: -577.616+/-149.572 χ²/NDF:102.2/51
All: -280.339+/-107.039 χ²/NDF: 160.3/95

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1430.408+/-0.327 χ^2/NDF: 1980013.3/20

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1543.755+/-0.322 χ^2/NDF: 2516125.1/26

Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

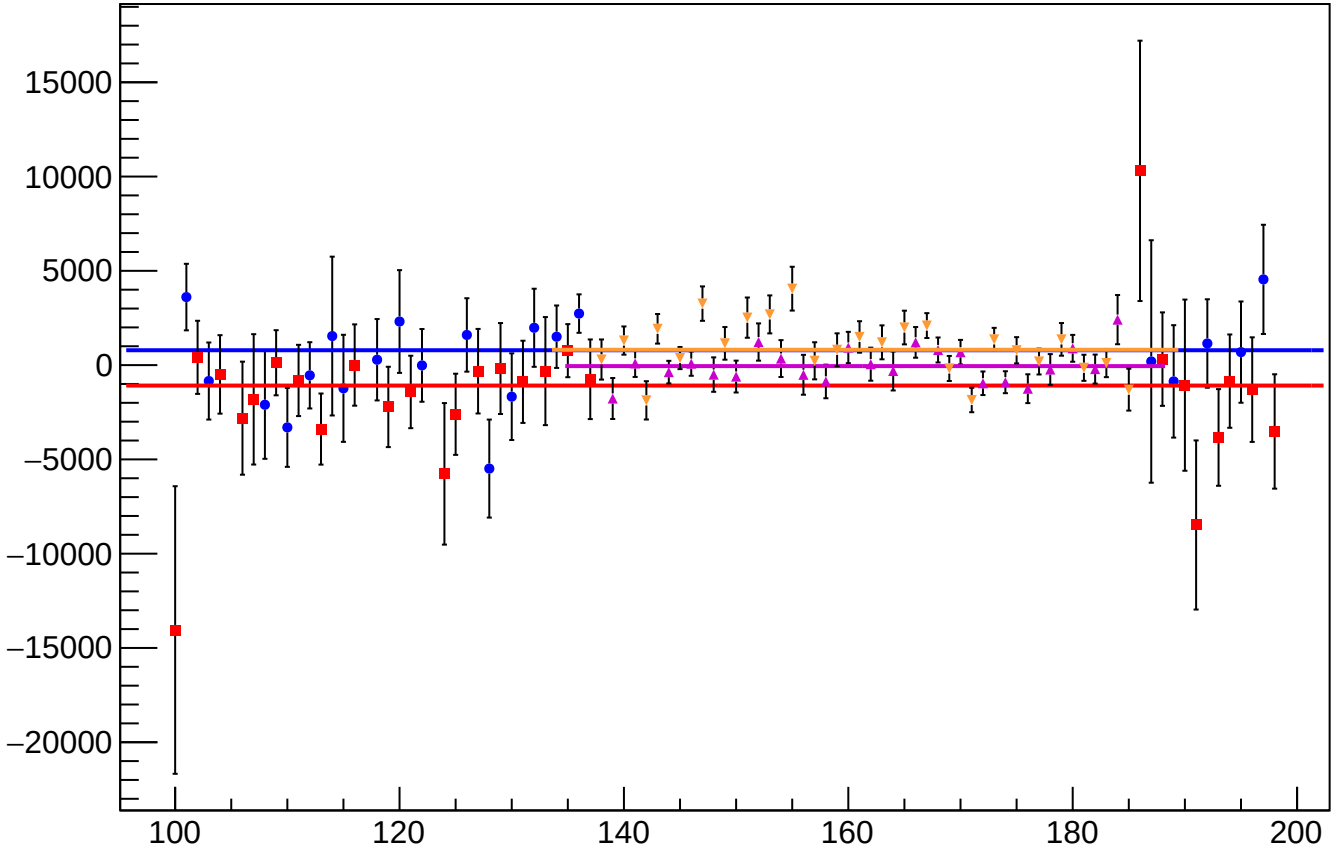
Right: 1487.908+/-0.230 χ^2/NDF: 4557004.1/47

In: 764.033+/-0.108 χ^2/NDF:7823829.5/43

Out: 776.201+/-0.106 χ^2/NDF:10161620.0/51

All: 770.264+/-0.076 χ^2/NDF: 17991907.4/95

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 788.875+/-457.799 χ^2/NDF: 23.0/20

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: -1084.359+/-453.250 χ^2/NDF: 18.2/26

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

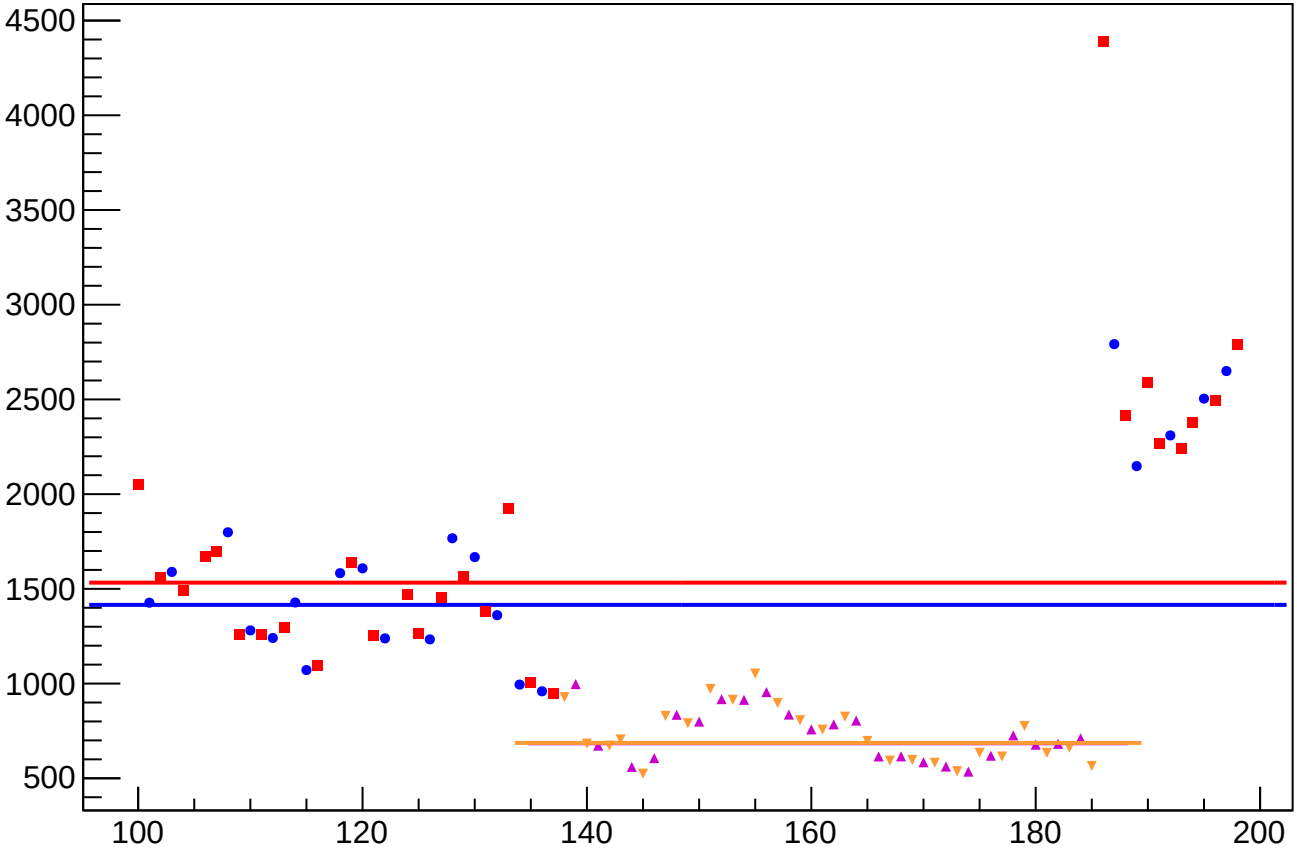
Right: -157.095+/-322.092 χ^2/NDF: 49.7/47

In: 42.386+/-153.587 χ^2/NDF:51.4/43

Out: 605.448+/-150.251 χ^2/NDF:99.6/51

All: 330.098+/-107.403 χ^2/NDF: 157.9/95

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1415.403+/-0.324 χ^2/NDF: 1951563.8/20

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

Right Out: 1532.877+/-0.320 χ^2/NDF: 2515007.3/26

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

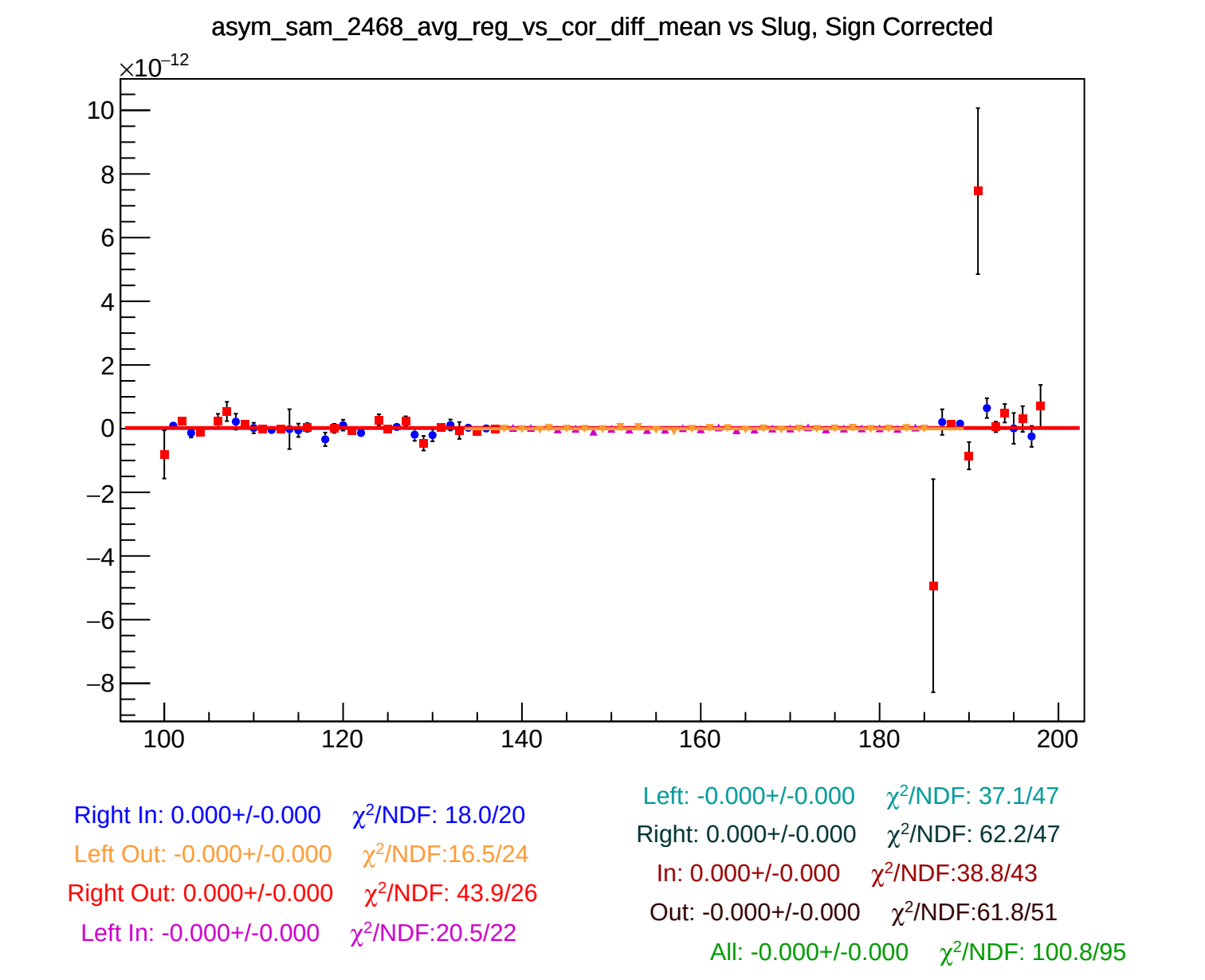
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

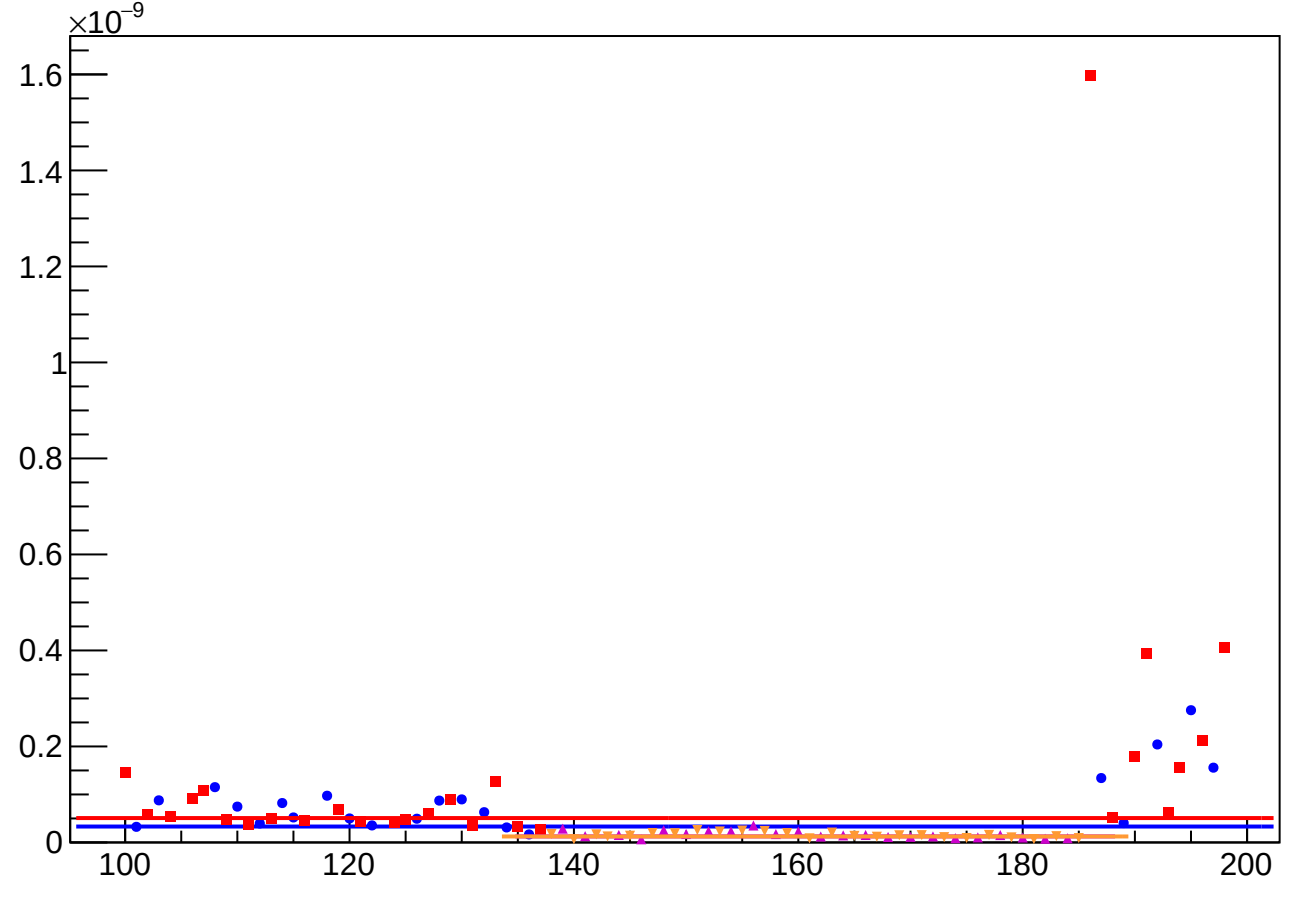
Right: 1474.727+/-0.228 χ^2/NDF: 4533075.9/47

In: 766.999+/-0.109 χ^2/NDF:7637713.9/43

Out: 779.687+/-0.106 χ^2/NDF:10031947.3/51

All: 773.482+/-0.076 χ^2/NDF: 17676635.0/95


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: 18.0/20
Left Out: -0.000+/-0.000 χ²/NDF:16.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 43.9/26
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: 62.2/47
In: 0.000+/-0.000 χ²/NDF:38.8/43
Out: -0.000+/-0.000 χ²/NDF:61.8/51
All: -0.000+/-0.000 χ²/NDF: 100.8/95



Right In: 0.000+/-0.000 χ^2/NDF: 3452342.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2544547.6/26

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

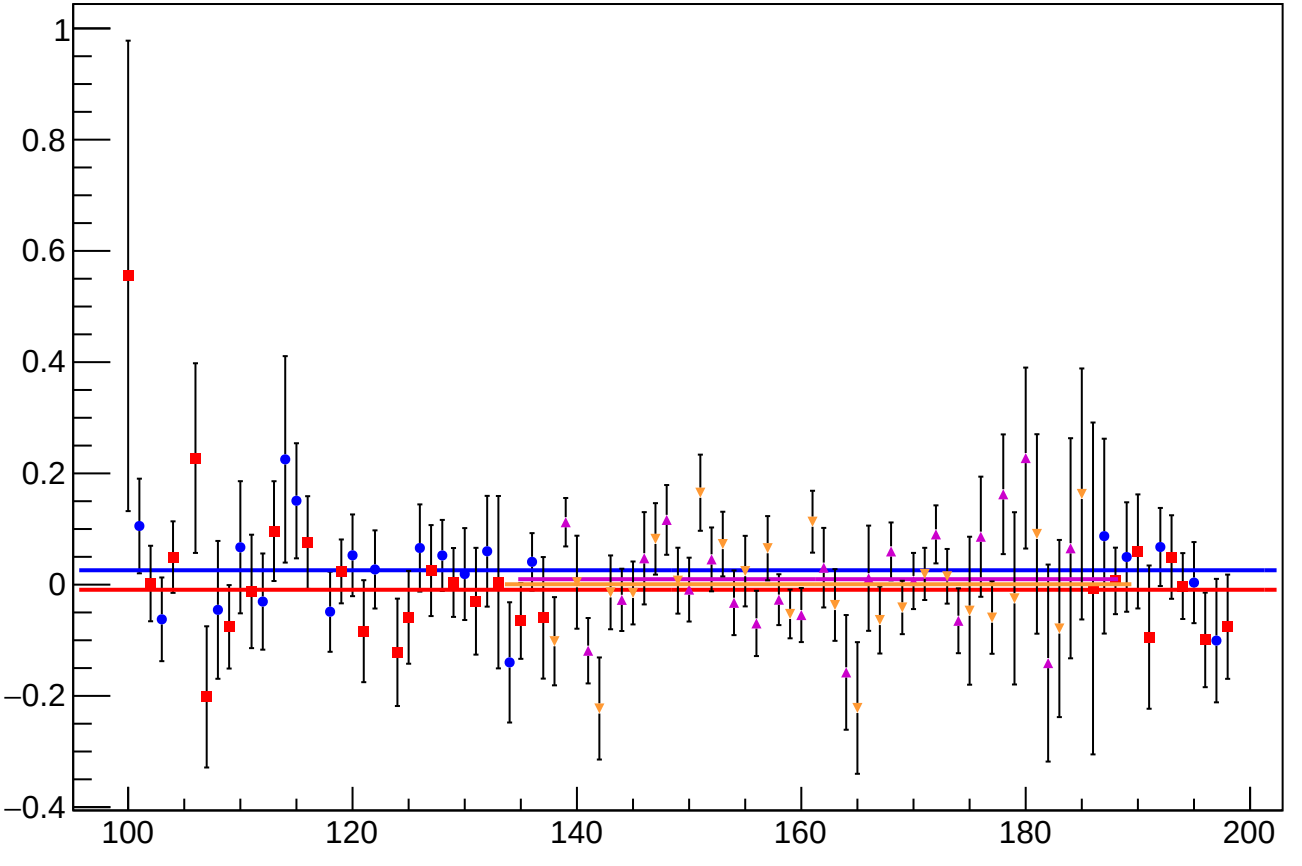
Left: 0.000+/-0.000 χ^2/NDF: 3704338.4/47

Right: 0.000+/-0.000 χ^2/NDF: 6530087.5/47

In: 0.000+/-0.000 χ^2/NDF:7191818.6/43

Out: 0.000+/-0.000 χ^2/NDF:8217551.2/51

All: 0.000+/-0.000 χ^2/NDF: 15409385.9/95



Right In: 0.026+/-0.018 χ^2/NDF: 11.9/20

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.009+/-0.016 χ^2/NDF: 17.2/26

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

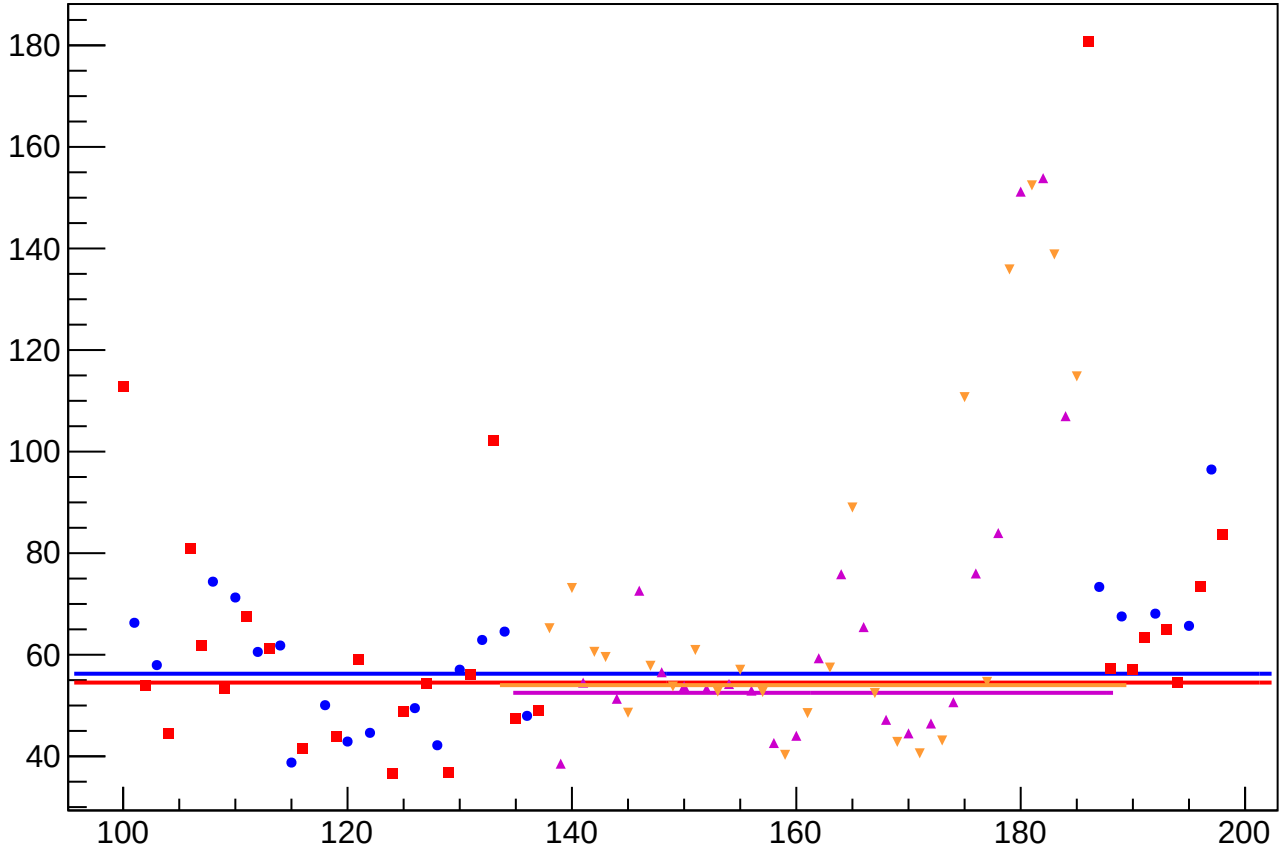
Right: 0.006+/-0.012 χ^2/NDF: 31.1/47

In: 0.015+/-0.011 χ^2/NDF:44.3/43

Out: -0.003+/-0.010 χ^2/NDF:49.1/51

All: 0.006+/-0.007 χ^2/NDF: 94.9/95

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.262+/-0.013 χ^2/NDF: 885895.3/20

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 54.519+/-0.011 χ^2/NDF: 1469996.7/26

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

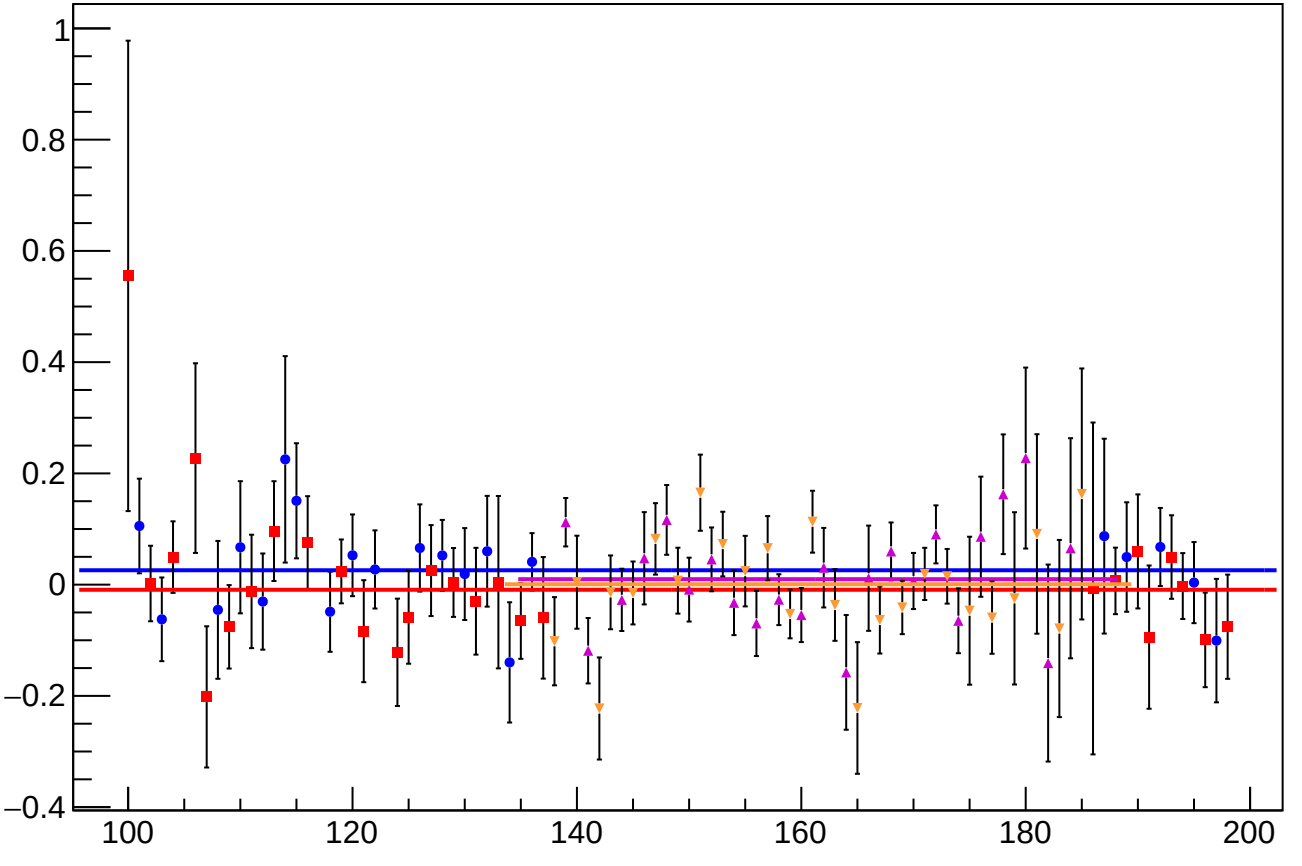
Right: 55.290+/-0.009 χ^2/NDF: 2366104.9/47

In: 53.799+/-0.008 χ^2/NDF:3499453.8/43

Out: 54.216+/-0.007 χ^2/NDF:4698708.1/51

All: 54.016+/-0.005 χ^2/NDF: 8199745.1/95

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.018 χ^2/NDF: 11.9/20

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.009+/-0.016 χ^2/NDF: 17.2/26

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

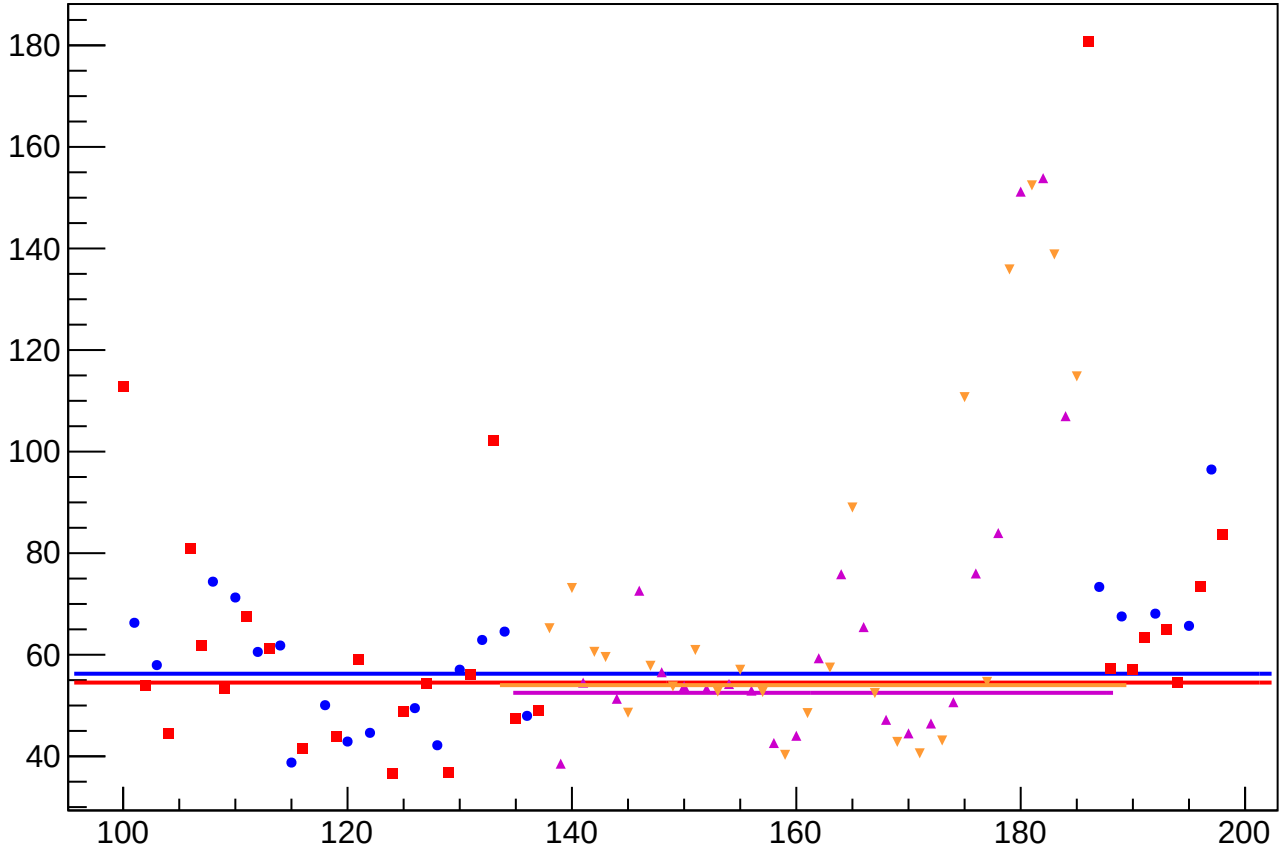
Right: 0.006+/-0.012 χ^2/NDF: 31.1/47

In: 0.015+/-0.011 χ^2/NDF:44.3/43

Out: -0.003+/-0.010 χ^2/NDF:49.1/51

All: 0.006+/-0.007 χ^2/NDF: 94.9/95

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.262+/-0.013 χ^2/NDF: 885895.3/20

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 54.519+/-0.011 χ^2/NDF: 1469996.7/26

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

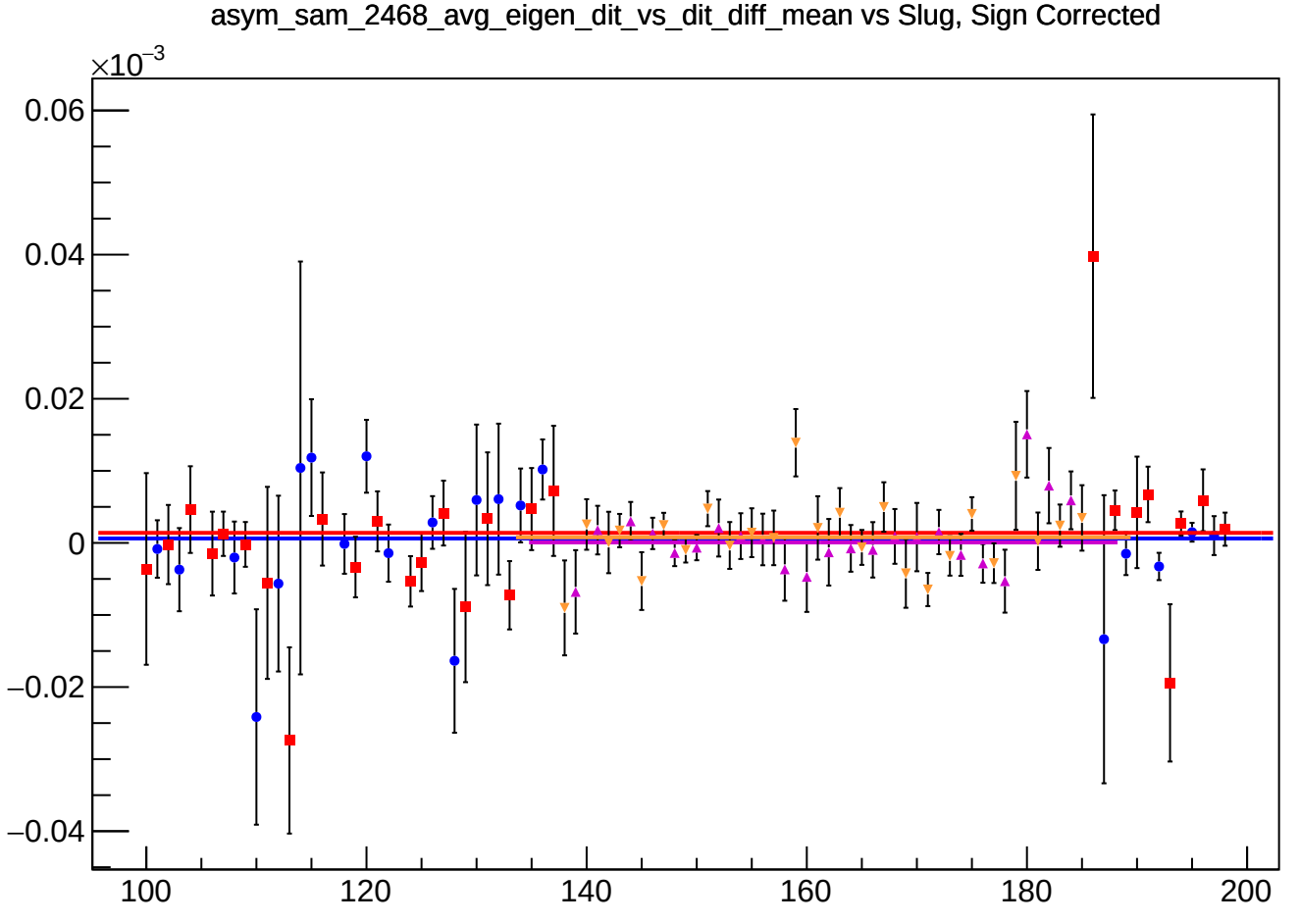
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 55.290+/-0.009 χ^2/NDF: 2366104.9/47

In: 53.799+/-0.008 χ^2/NDF:3499453.8/43

Out: 54.216+/-0.007 χ^2/NDF:4698708.1/51

All: 54.016+/-0.005 χ^2/NDF: 8199745.1/95



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.6/26

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

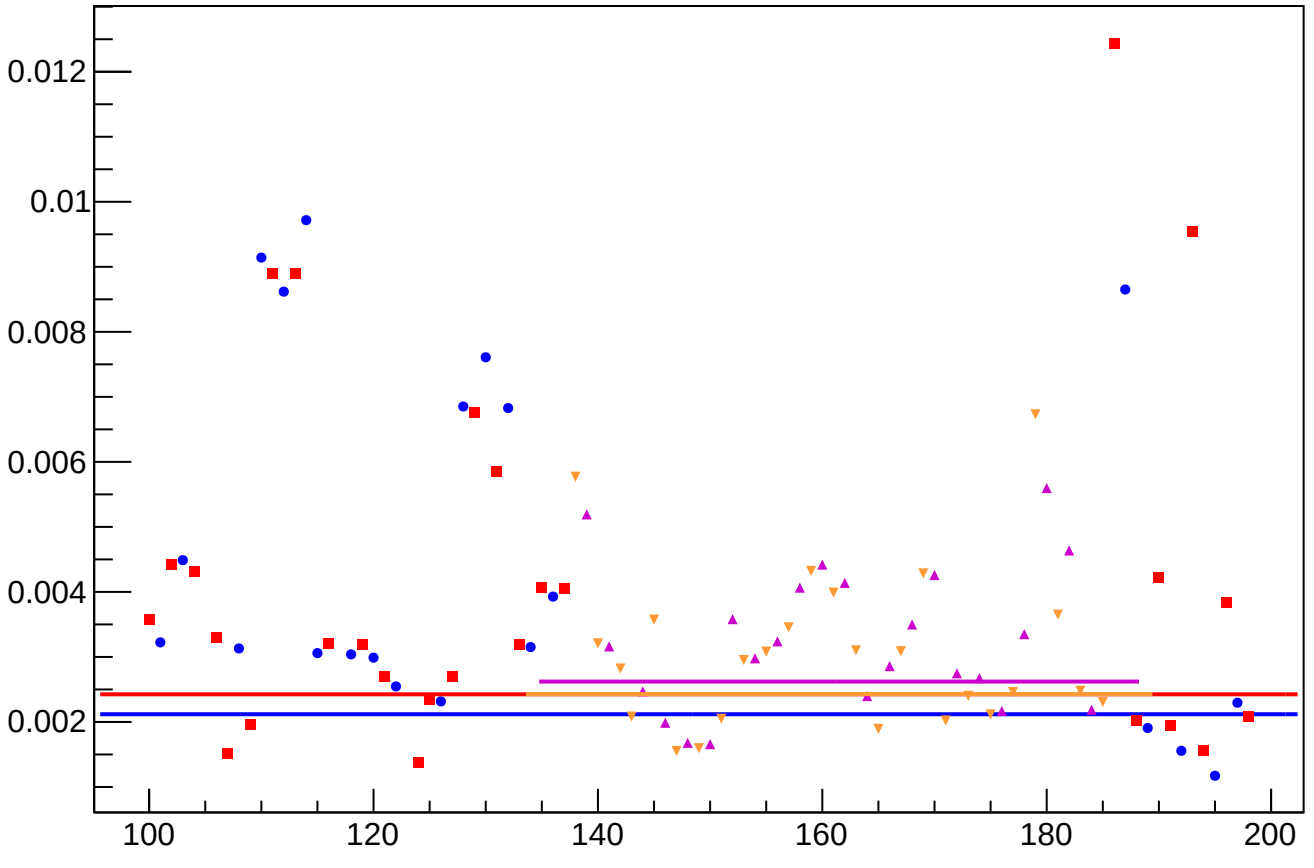
Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

Right: 0.000+/-0.000 χ^2/NDF: 58.0/47

In: 0.000+/-0.000 χ^2/NDF:47.4/43

Out: 0.000+/-0.000 χ^2/NDF:69.1/51

All: 0.000+/-0.000 χ^2/NDF: 117.5/95



Right In: 0.002+/-0.000 χ^2/NDF: 5257477.9/20

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5264702.6/26

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

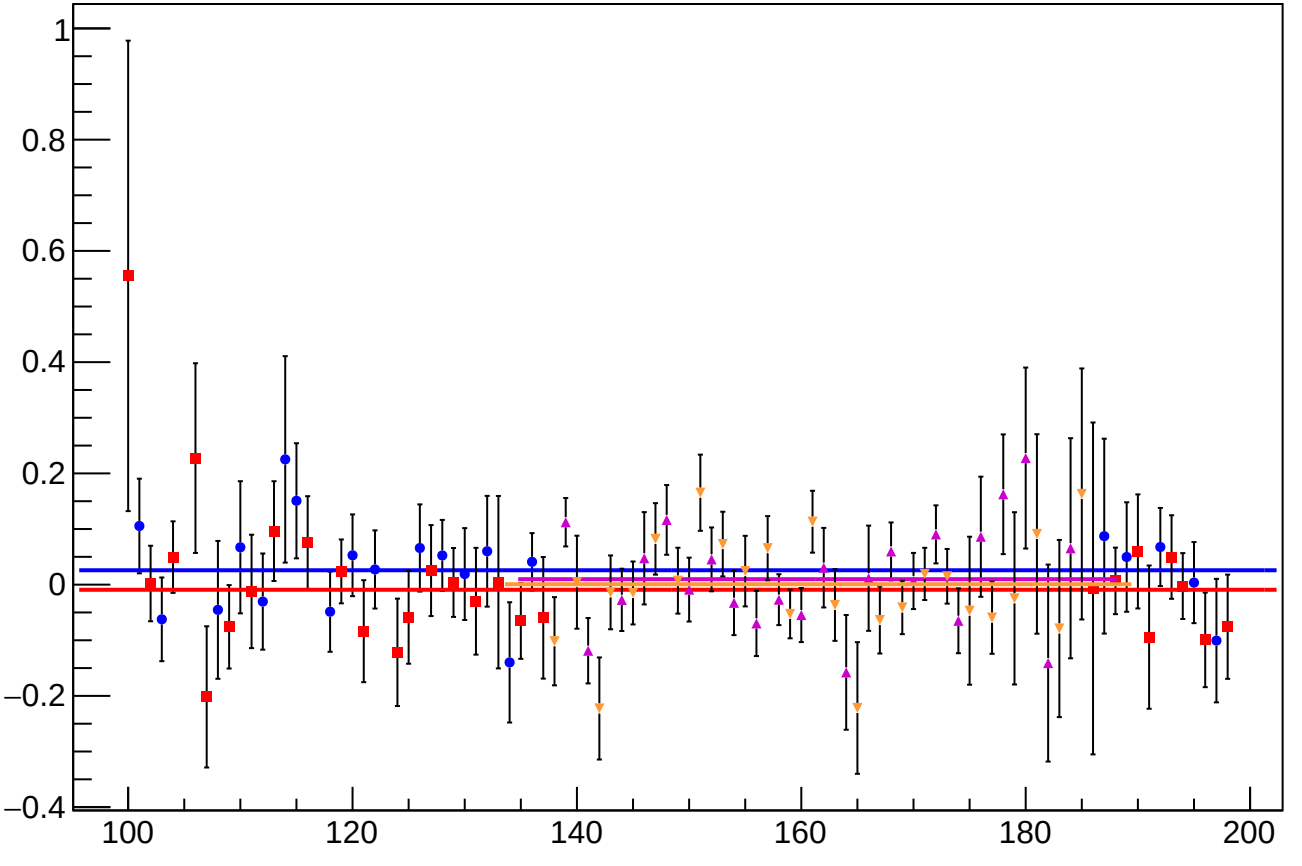
Right: 0.002+/-0.000 χ^2/NDF: 10673522.5/47

In: 0.002+/-0.000 χ^2/NDF:9694873.3/43

Out: 0.002+/-0.000 χ^2/NDF:9483107.6/51

All: 0.002+/-0.000 χ^2/NDF: 19179102.6/95

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.018 χ^2/NDF: 11.9/20

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.009+/-0.016 χ^2/NDF: 17.2/26

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

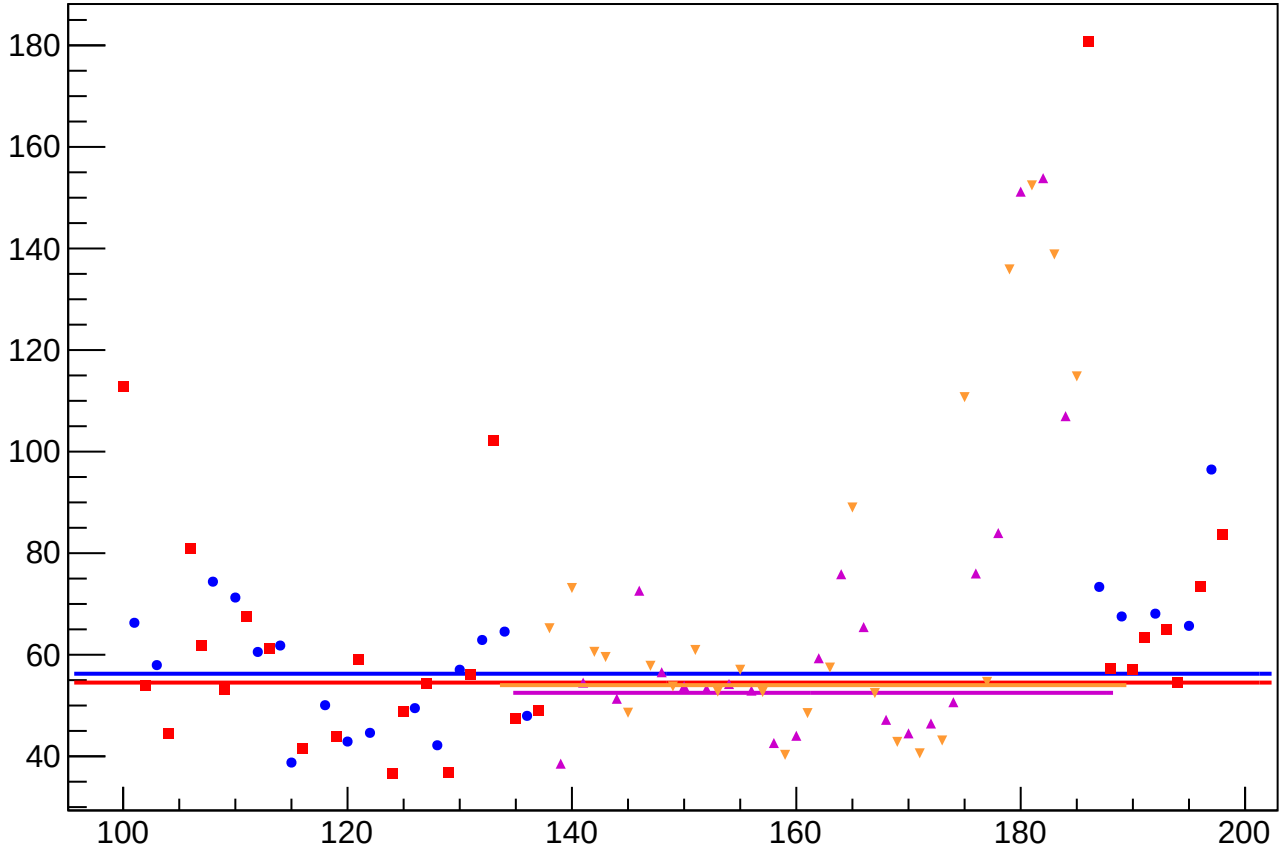
Right: 0.006+/-0.012 χ^2/NDF: 31.1/47

In: 0.015+/-0.011 χ^2/NDF:44.3/43

Out: -0.003+/-0.010 χ^2/NDF:49.1/51

All: 0.006+/-0.007 χ^2/NDF: 94.9/95

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.261+/-0.013 χ^2/NDF: 885881.6/20

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 54.518+/-0.011 χ^2/NDF: 1470035.0/26

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

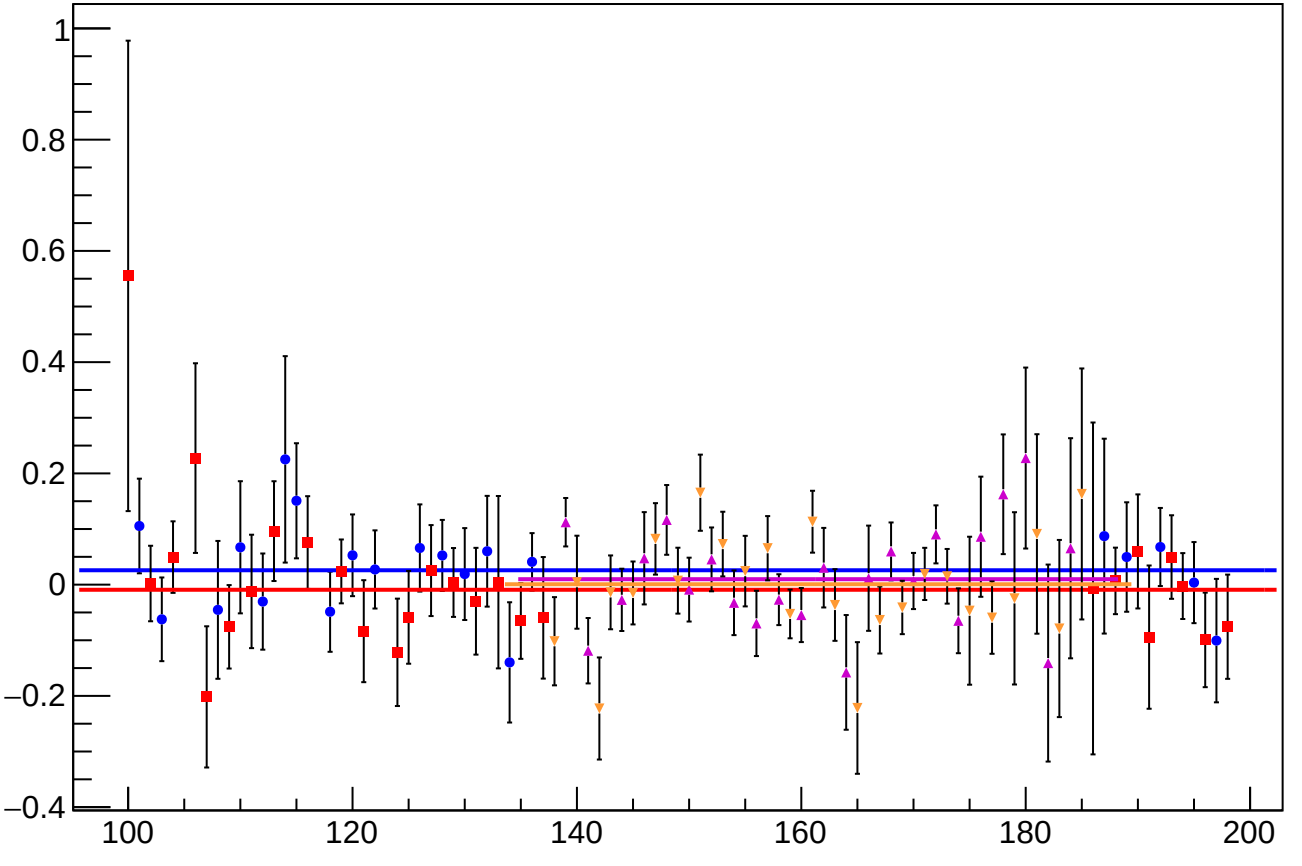
Right: 55.289+/-0.009 χ^2/NDF: 2366127.9/47

In: 53.798+/-0.008 χ^2/NDF:3499442.6/43

Out: 54.216+/-0.007 χ^2/NDF:4698759.4/51

All: 54.016+/-0.005 χ^2/NDF: 8199785.1/95

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.018 χ^2/NDF: 11.9/20

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.009+/-0.016 χ^2/NDF: 17.2/26

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

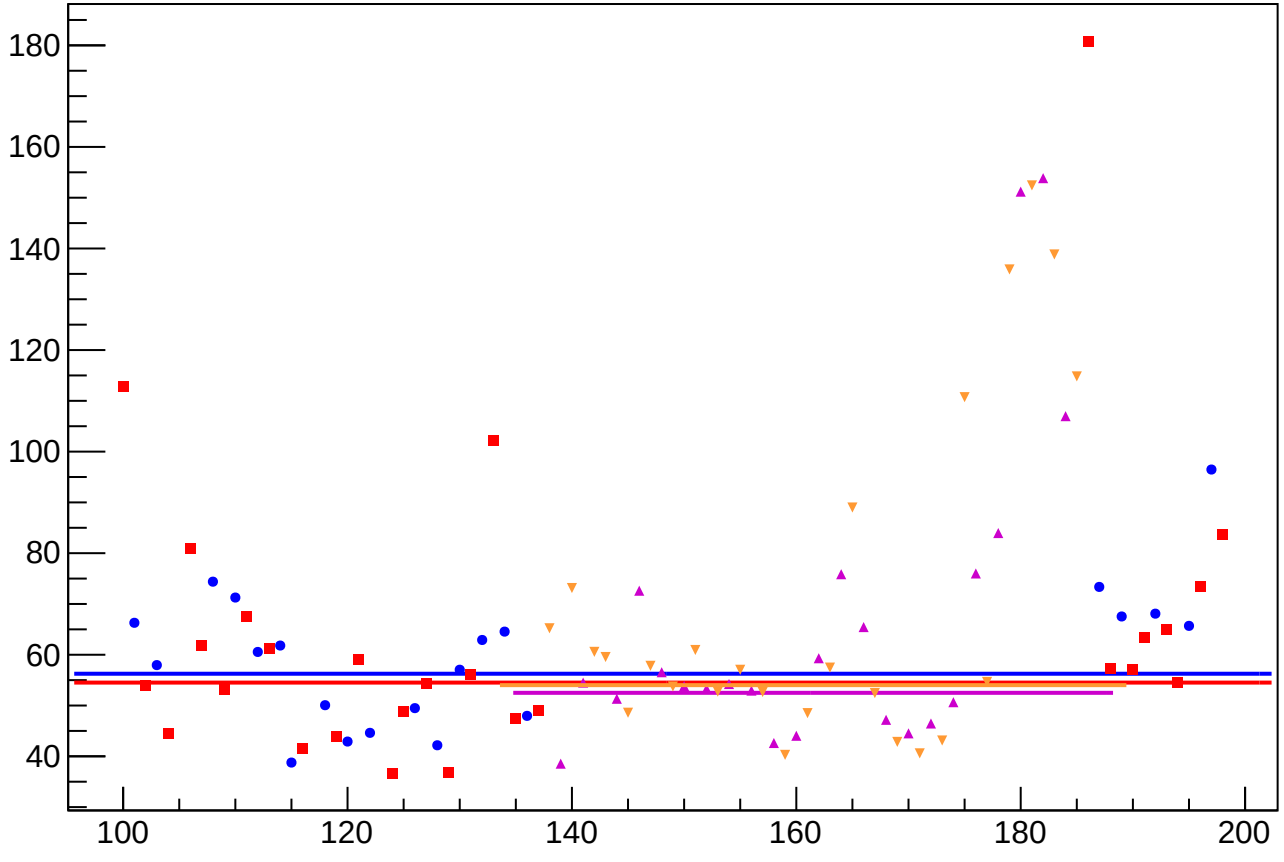
Right: 0.006+/-0.012 χ^2/NDF: 31.1/47

In: 0.015+/-0.011 χ^2/NDF:44.3/43

Out: -0.003+/-0.010 χ^2/NDF:49.1/51

All: 0.006+/-0.007 χ^2/NDF: 94.9/95

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.261+/-0.013 χ^2/NDF: 885881.6/20

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 54.518+/-0.011 χ^2/NDF: 1470035.0/26

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

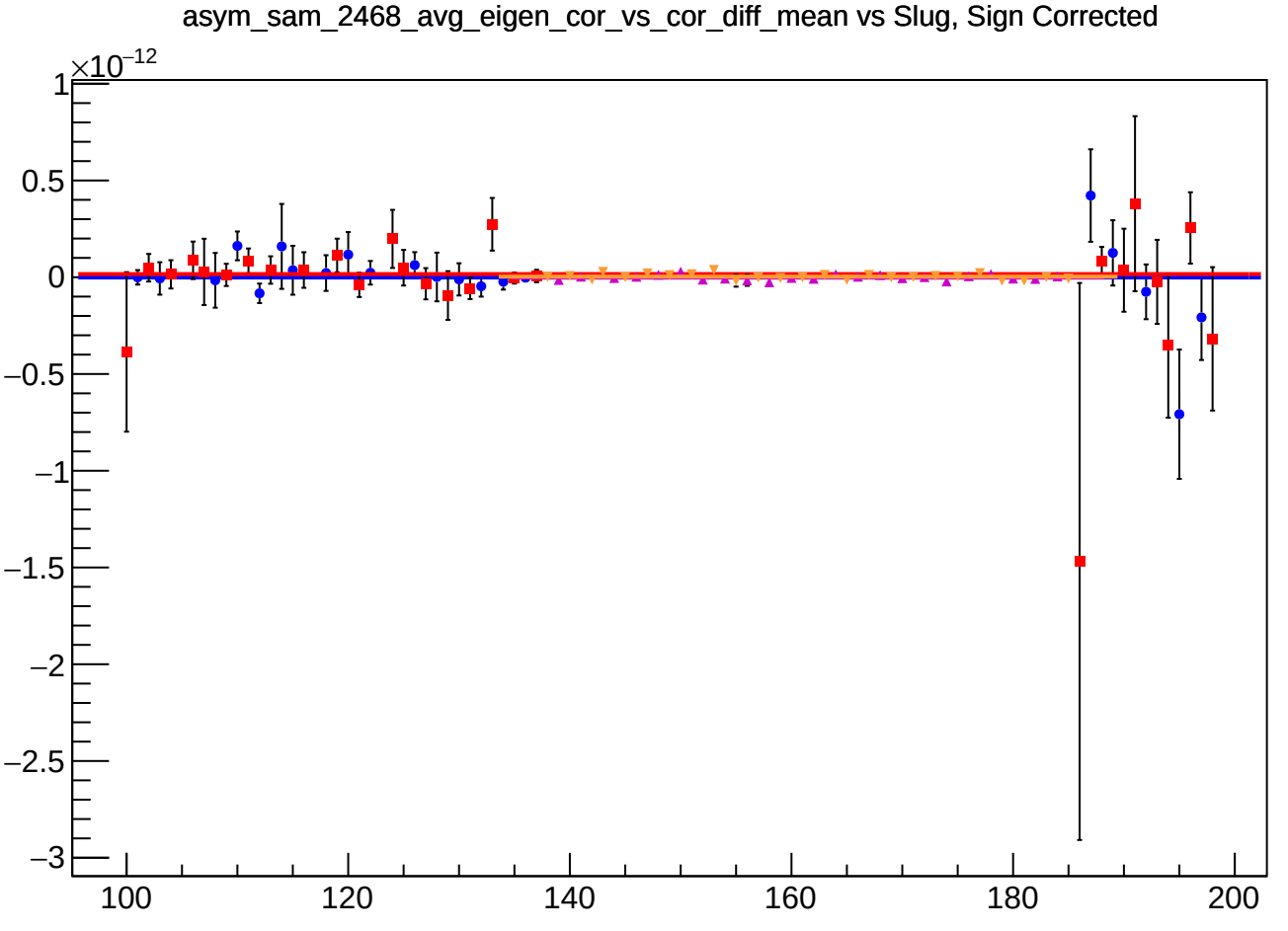
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 55.289+/-0.009 χ^2/NDF: 2366127.9/47

In: 53.798+/-0.008 χ^2/NDF:3499442.6/43

Out: 54.216+/-0.007 χ^2/NDF:4698759.4/51

All: 54.016+/-0.005 χ^2/NDF: 8199785.1/95



Right In: -0.000+/-0.000 χ^2/NDF: 20.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/26

Left In: -0.000+/-0.000 χ^2/NDF:15.3/22

Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

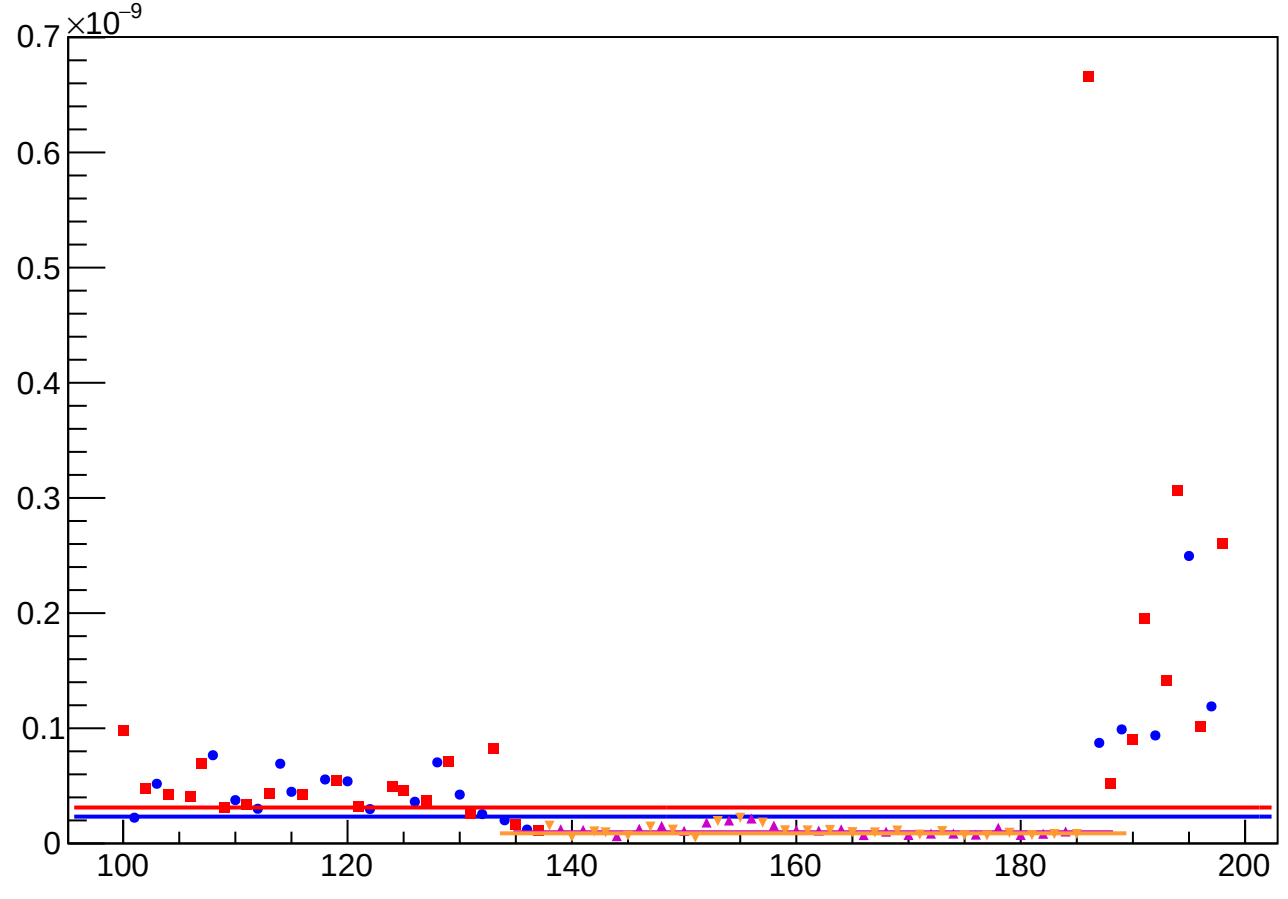
Right: 0.000+/-0.000 χ^2/NDF: 41.4/47

In: -0.000+/-0.000 χ^2/NDF:35.9/43

Out: 0.000+/-0.000 χ^2/NDF:42.6/51

All: 0.000+/-0.000 χ^2/NDF: 80.2/95

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4896163.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6115243.5/26

Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

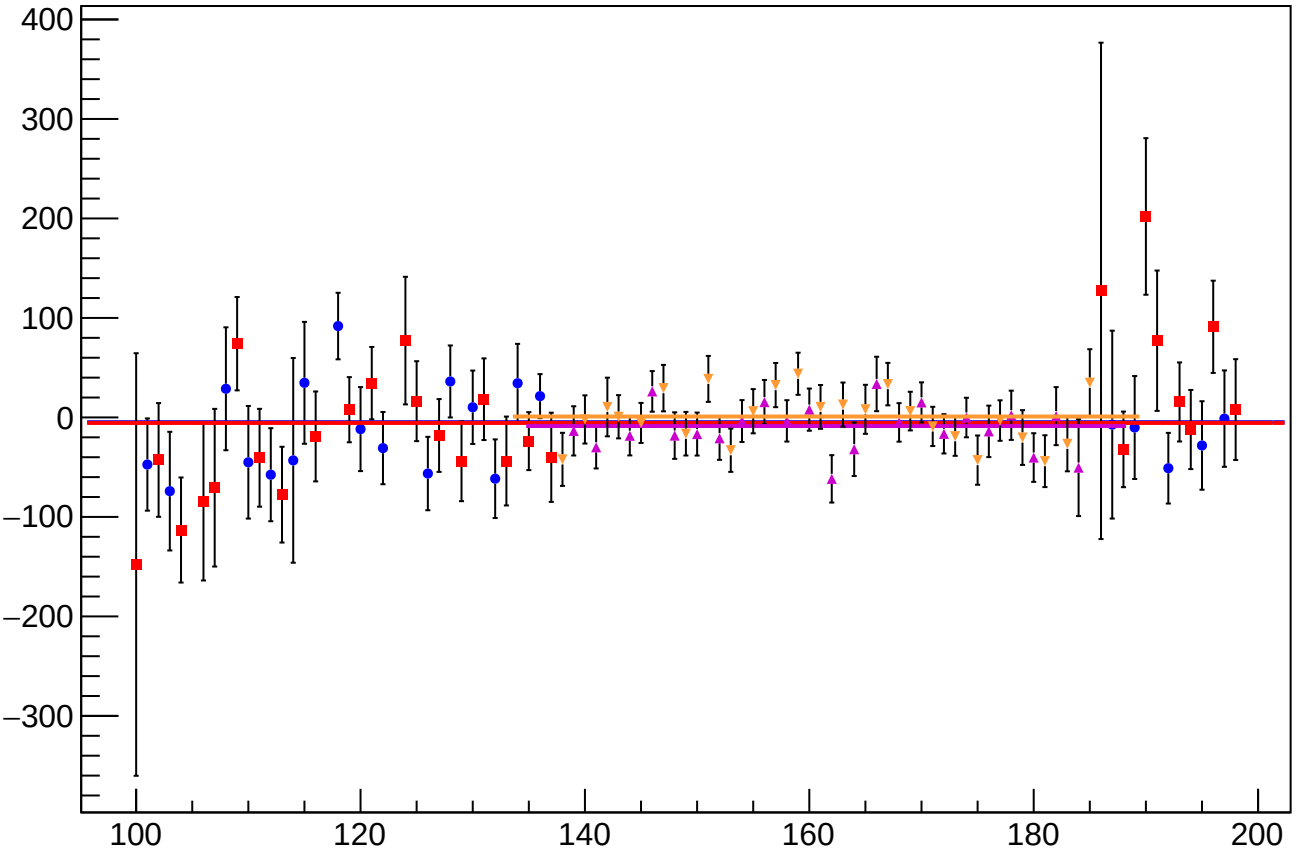
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 11381428.3/47

In: 0.000+/-0.000 χ^2/NDF:9684773.9/43

Out: 0.000+/-0.000 χ^2/NDF:13528060.2/51

All: 0.000+/-0.000 χ^2/NDF: 23326821.5/95



Right In: -4.811+/-9.085 χ^2/NDF: 23.6/20

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: -5.512+/-8.881 χ^2/NDF: 32.7/26

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

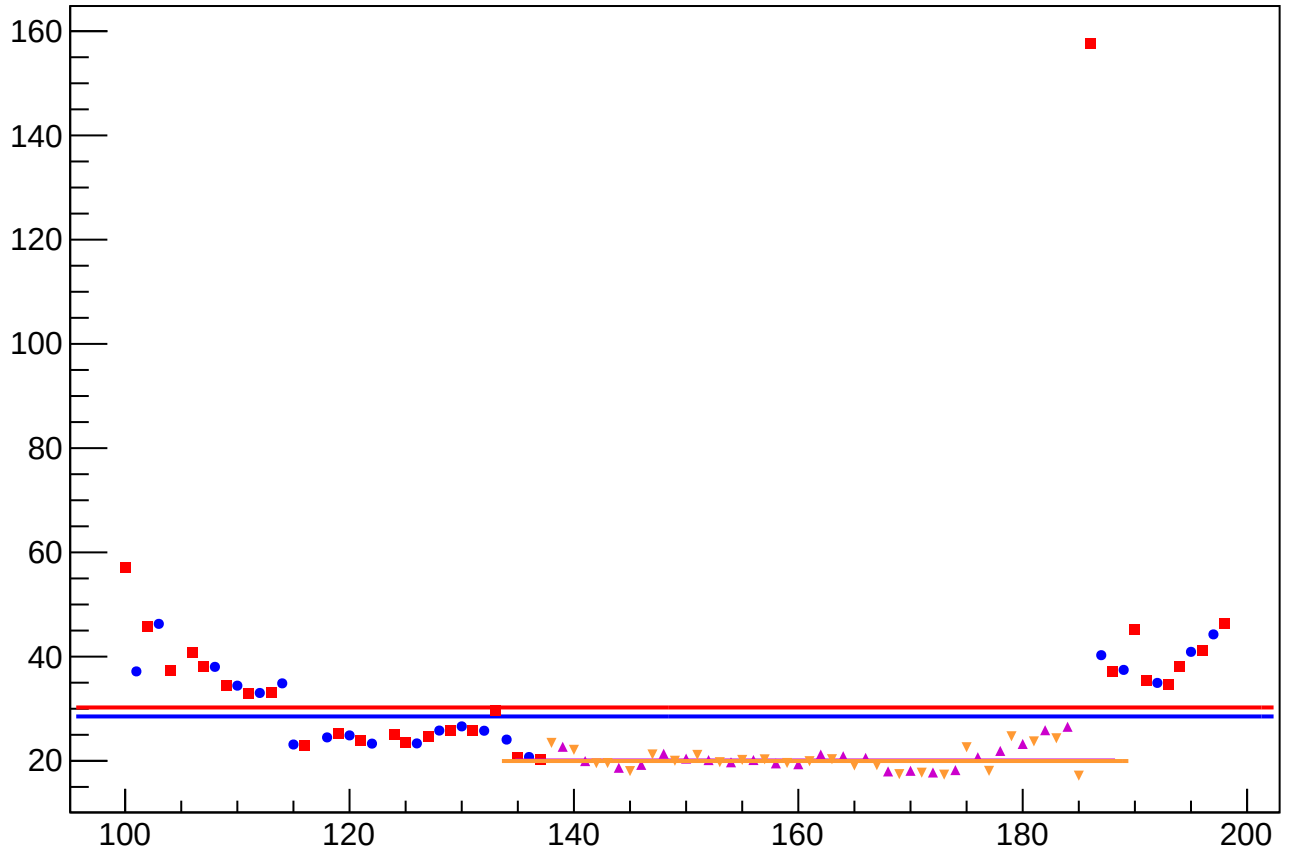
Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

Right: -5.170+/-6.351 χ^2/NDF: 56.2/47

In: -7.794+/-4.191 χ^2/NDF:43.1/43

Out: -0.431+/-4.066 χ^2/NDF:62.3/51

All: -4.002+/-2.918 χ^2/NDF: 107.0/95



Right In: 28.522+/-0.006 χ^2/NDF: 1303357.3/20

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 30.247+/-0.006 χ^2/NDF: 2025988.5/26

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

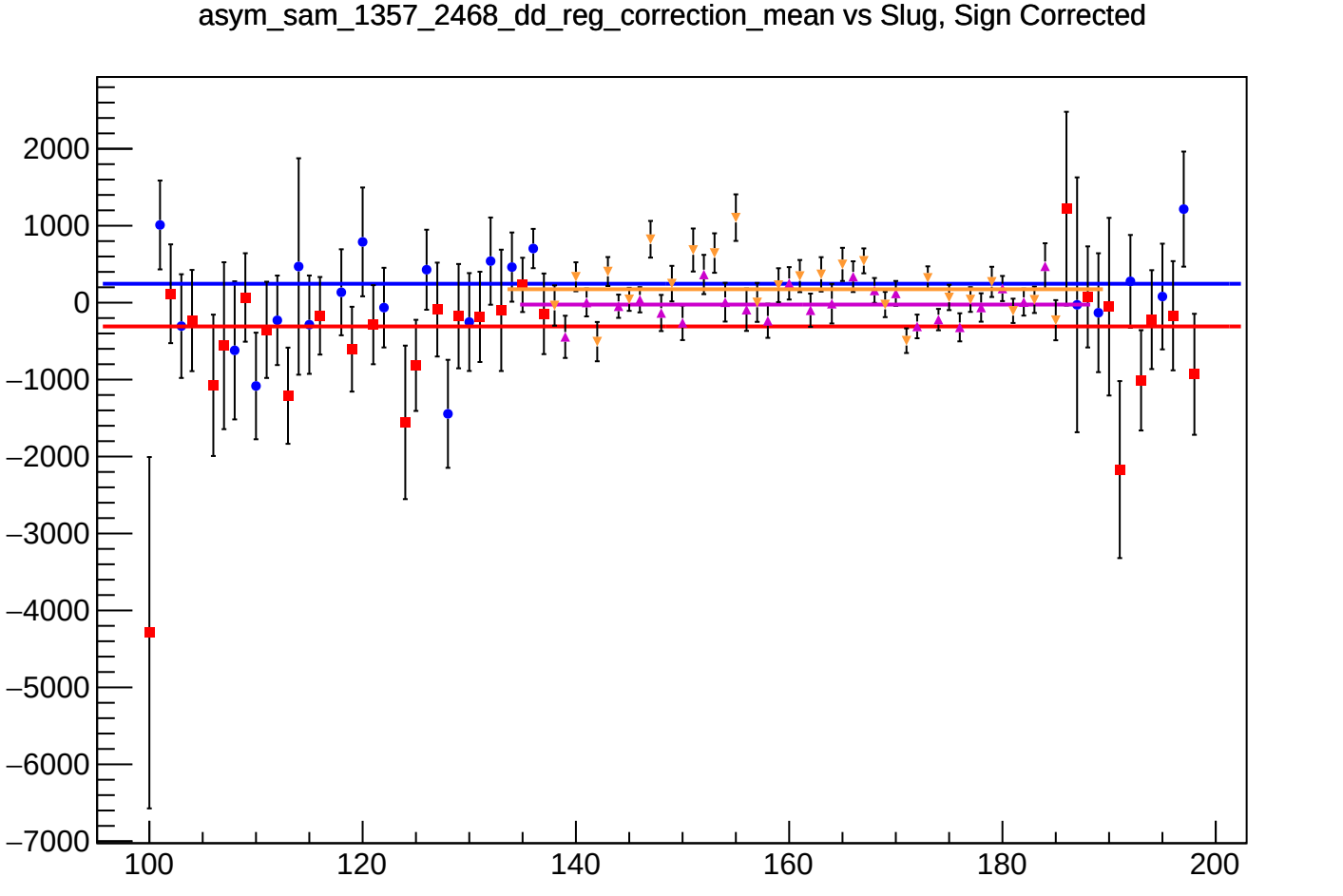
Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

Right: 29.404+/-0.004 χ^2/NDF: 3366192.7/47

In: 21.871+/-0.003 χ^2/NDF:2966962.9/43

Out: 22.123+/-0.003 χ^2/NDF:4529869.4/51

All: 22.001+/-0.002 χ^2/NDF: 7500580.2/95



Right In: 245.566+/-125.317 χ^2/NDF: 21.7/20

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

Right Out: -308.903+/-125.117 χ^2/NDF: 18.5/26

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

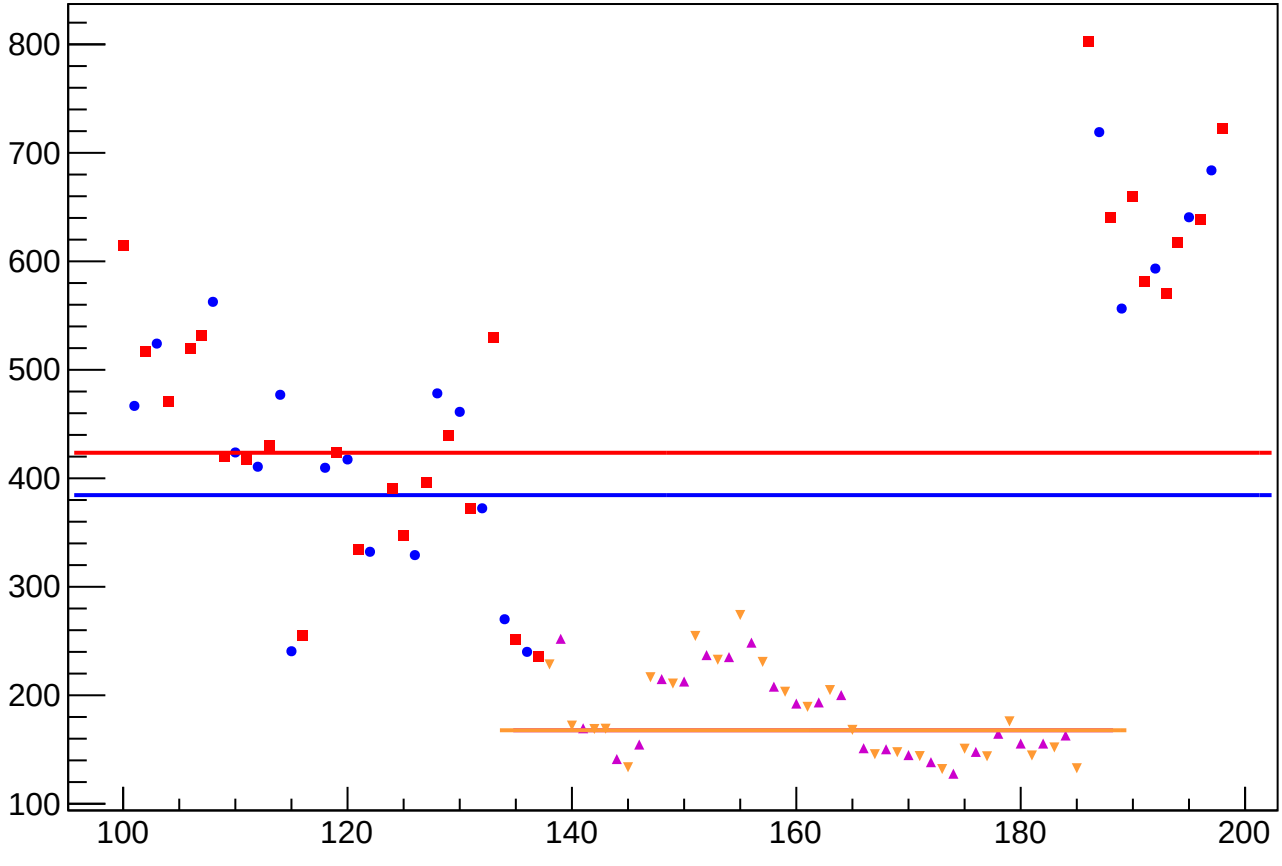
Right: -32.112+/-88.542 χ^2/NDF: 49.9/47

In: 0.470+/-38.167 χ^2/NDF:52.8/43

Out: 131.768+/-37.276 χ^2/NDF:103.3/51

All: 67.669+/-26.667 χ^2/NDF: 162.1/95

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 384.503+/-0.089 χ^2/NDF: 2232417.4/20

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 423.550+/-0.088 χ^2/NDF: 2494876.8/26

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

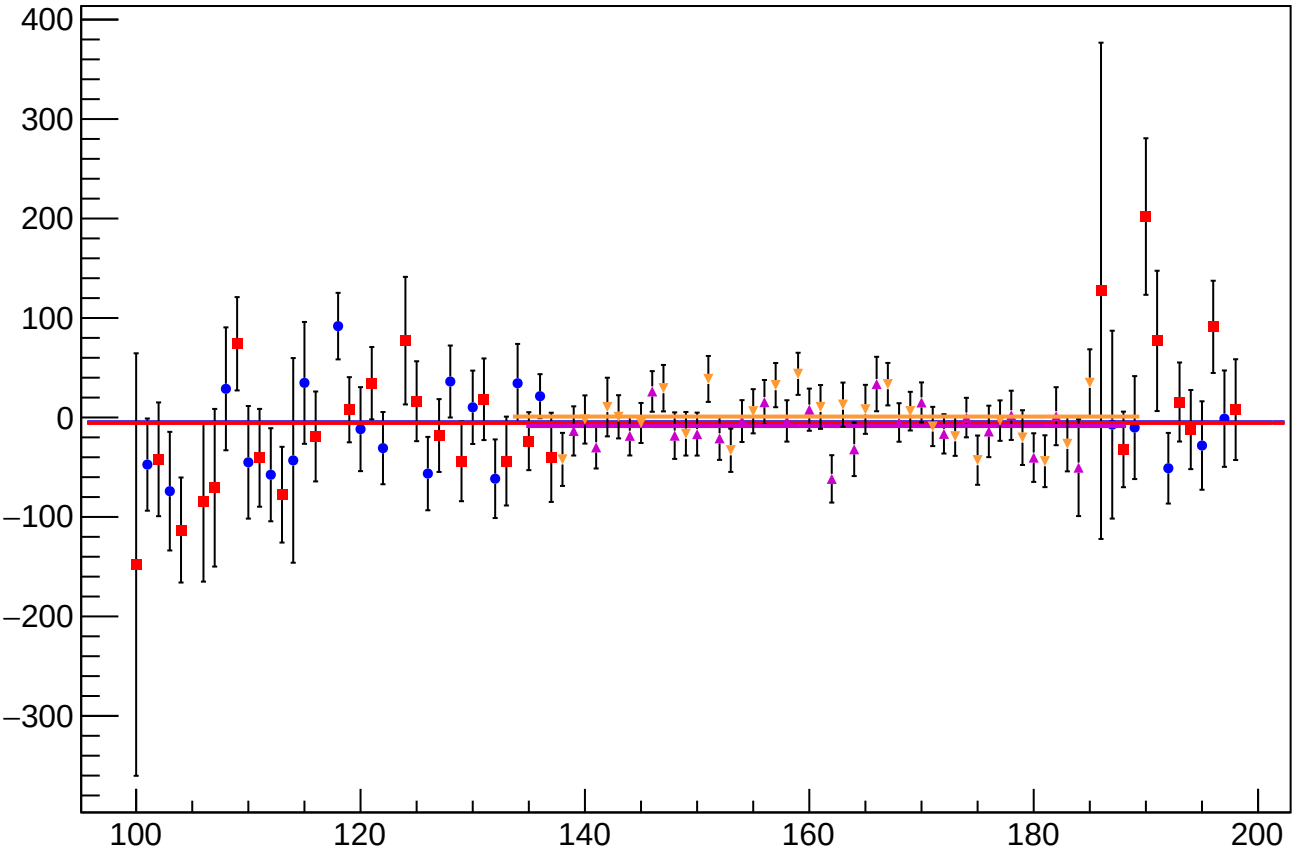
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 404.058+/-0.063 χ^2/NDF: 4824536.9/47

In: 187.854+/-0.027 χ^2/NDF:9063945.5/43

Out: 190.459+/-0.026 χ^2/NDF:11690726.0/51

All: 189.187+/-0.019 χ^2/NDF: 20759440.9/95



Right In: -4.809+/-9.085 χ^2/NDF: 23.6/20

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -5.481+/-8.882 χ^2/NDF: 32.7/26

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

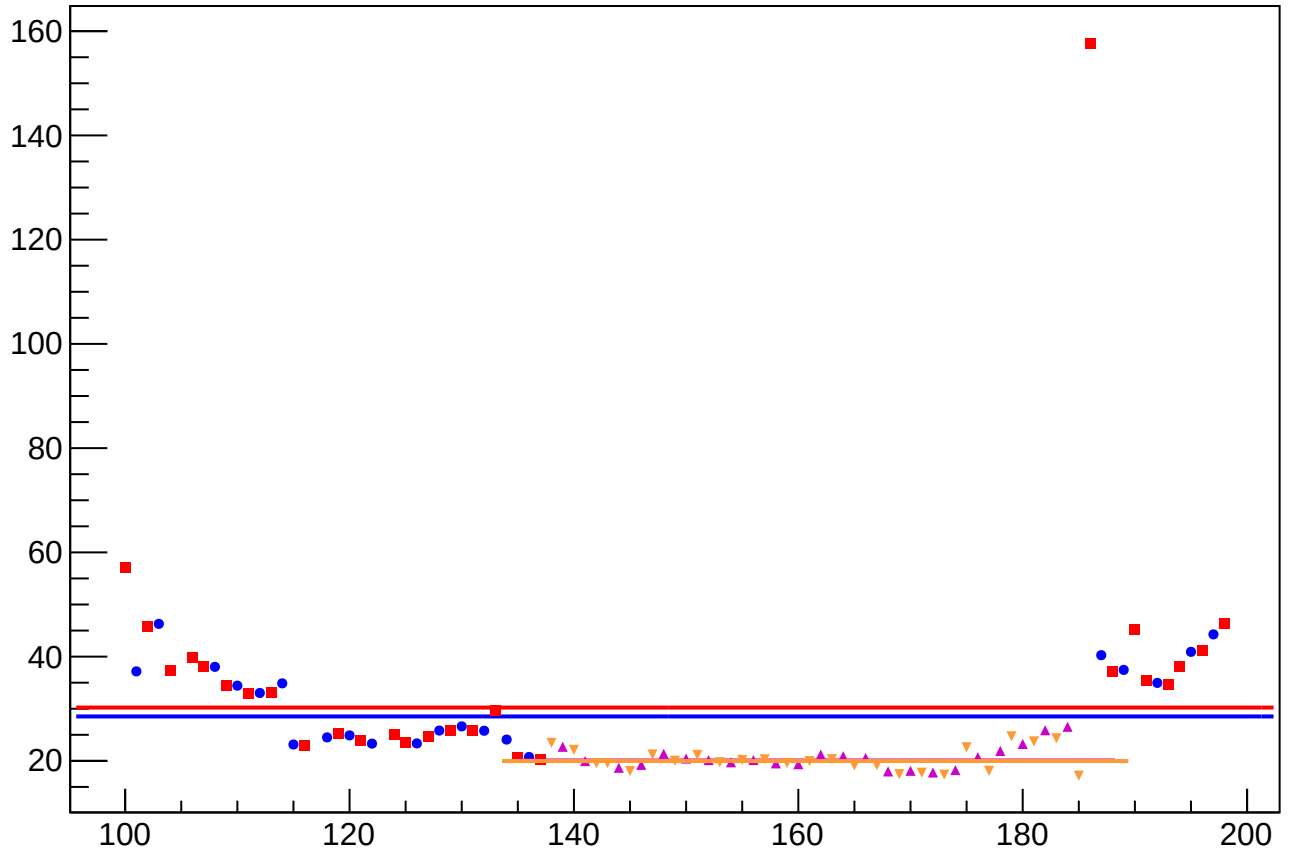
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -5.152+/-6.351 χ^2/NDF: 56.2/47

In: -7.794+/-4.191 χ^2/NDF:43.1/43

Out: -0.426+/-4.066 χ^2/NDF:62.3/51

All: -3.999+/-2.918 χ^2/NDF: 106.9/95



Right In: 28.522+/-0.006 χ^2/NDF: 1303360.6/20

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 30.231+/-0.006 χ^2/NDF: 2018764.0/26

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

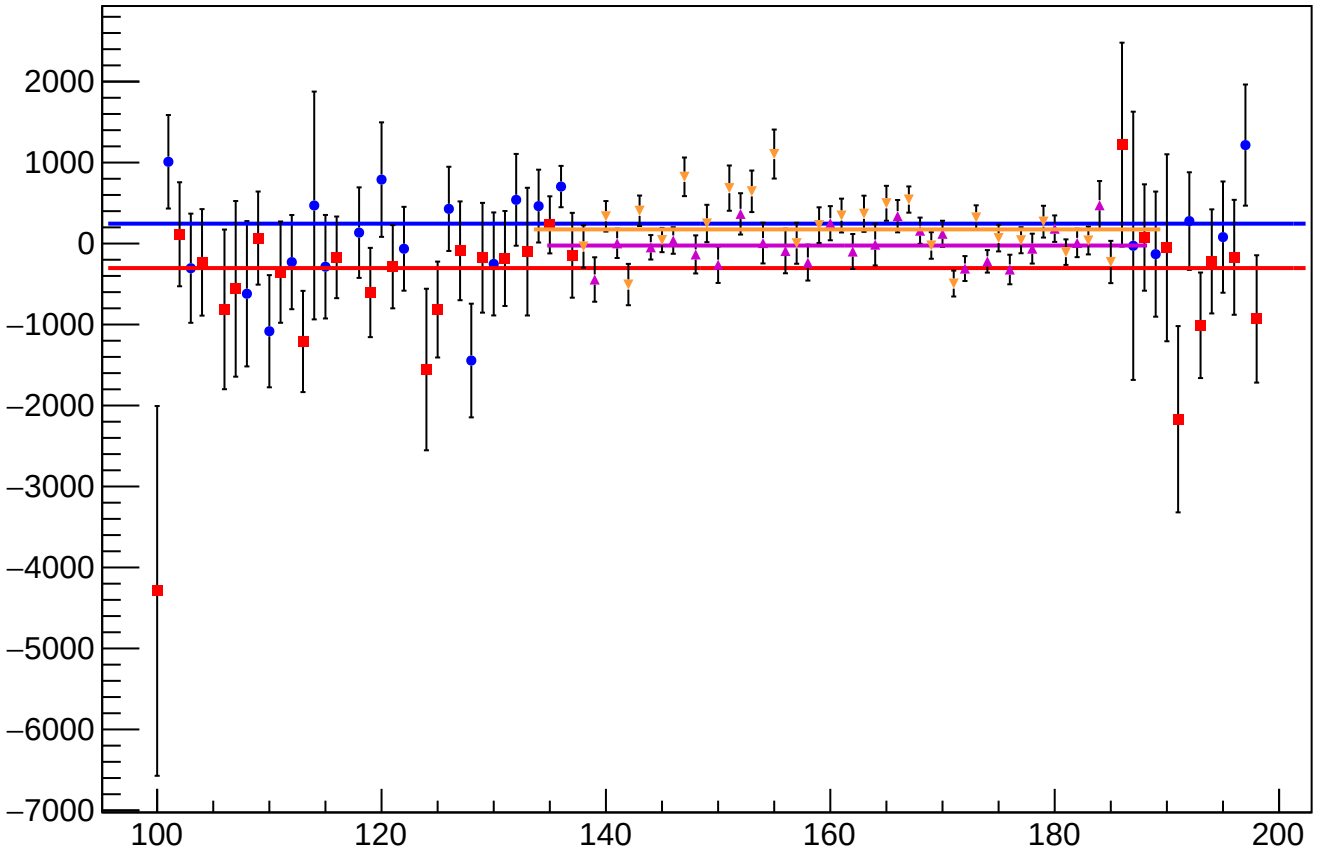
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 29.396+/-0.004 χ^2/NDF: 3358302.6/47

In: 21.871+/-0.003 χ^2/NDF:2966966.3/43

Out: 22.120+/-0.003 χ^2/NDF:4515798.8/51

All: 21.999+/-0.002 χ^2/NDF: 7486404.1/95



Right In: 245.560+/-125.317 χ^2/NDF: 21.7/20

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -302.884+/-125.272 χ^2/NDF: 18.0/26

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

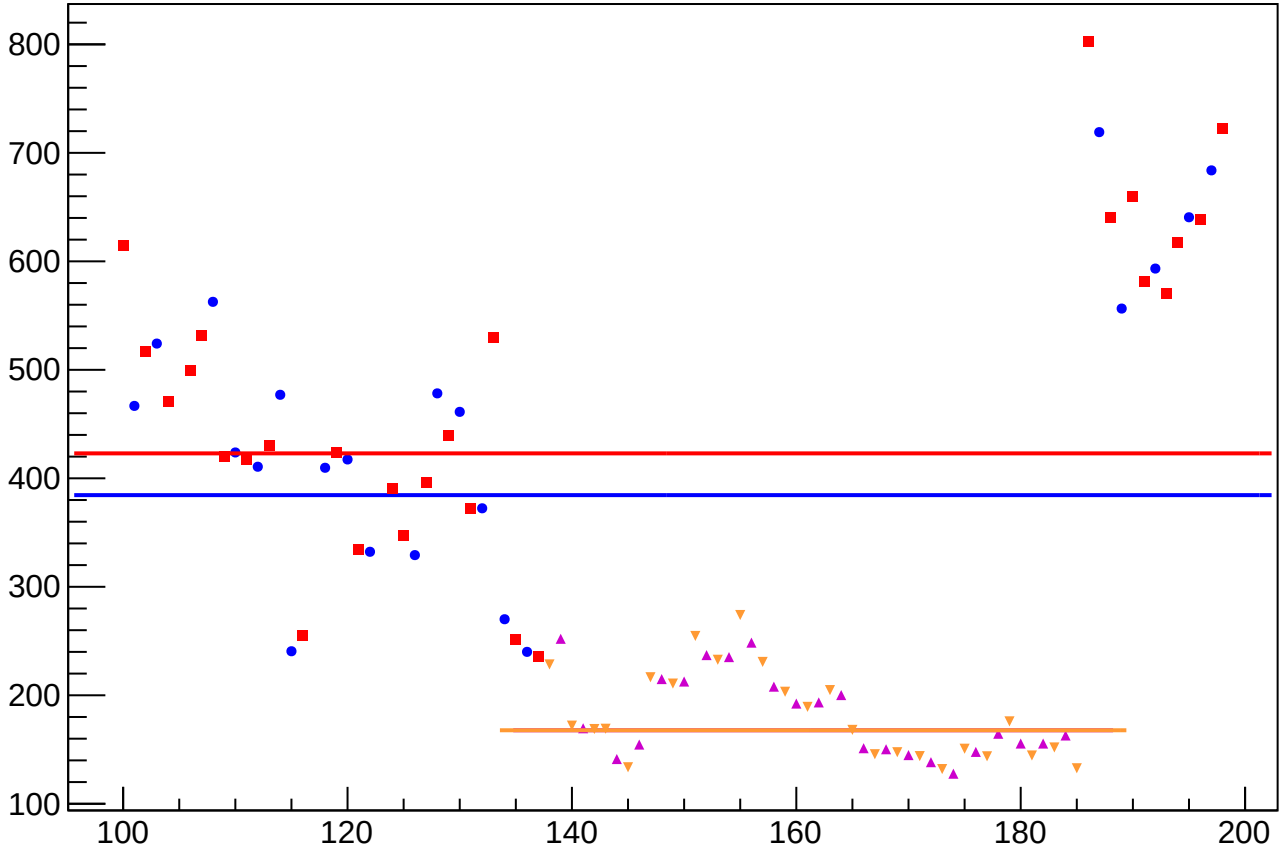
Right: -28.760+/-88.597 χ^2/NDF: 49.3/47

In: 0.469+/-38.167 χ^2/NDF:52.8/43

Out: 132.397+/-37.280 χ^2/NDF:102.5/51

All: 67.983+/-26.669 χ^2/NDF: 161.4/95

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 384.503+/-0.089 χ^2/NDF: 2232443.6/20

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 422.992+/-0.089 χ^2/NDF: 2484910.8/26

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

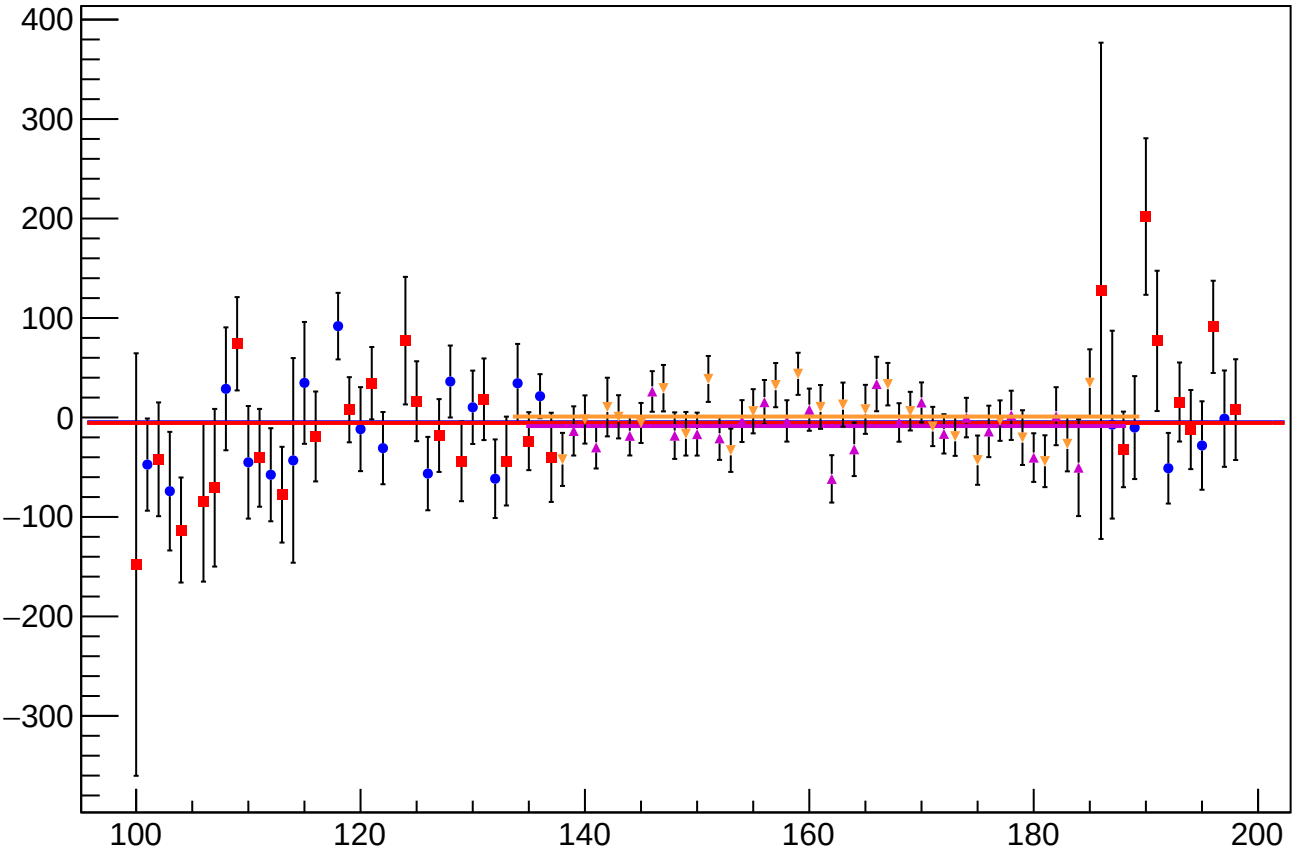
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 403.755+/-0.063 χ^2/NDF: 4811719.4/47

In: 187.854+/-0.027 χ^2/NDF:9063959.4/43

Out: 190.358+/-0.026 χ^2/NDF:11630435.4/51

All: 189.136+/-0.019 χ^2/NDF: 20698801.9/95



Right In: -4.809+/-9.085 χ^2/NDF: 23.6/20

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -5.481+/-8.882 χ^2/NDF: 32.7/26

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

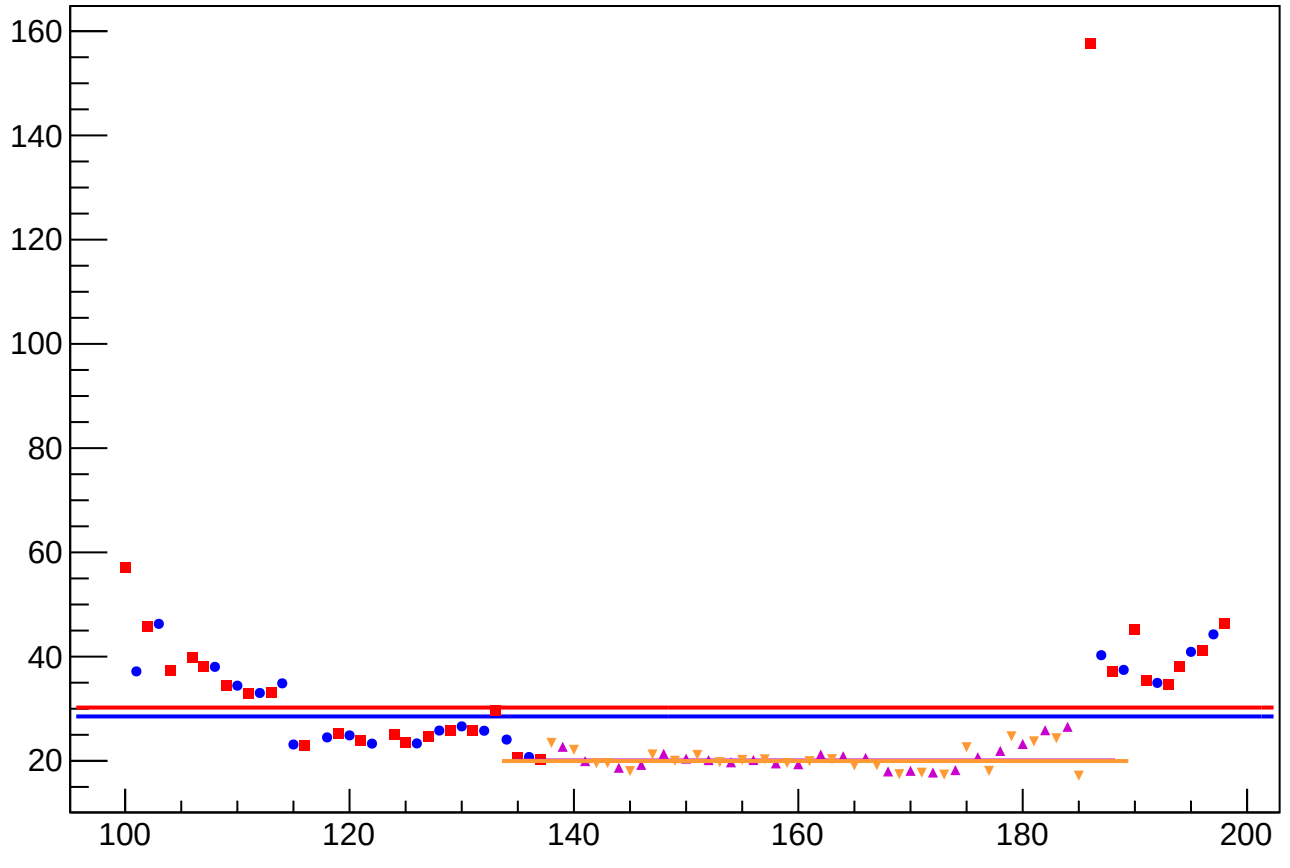
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -5.152+/-6.351 χ^2/NDF: 56.2/47

In: -7.794+/-4.191 χ^2/NDF:43.1/43

Out: -0.426+/-4.066 χ^2/NDF:62.3/51

All: -3.999+/-2.918 χ^2/NDF: 106.9/95



Right In: 28.522+/-0.006 χ^2/NDF: 1303360.6/20

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 30.231+/-0.006 χ^2/NDF: 2018764.0/26

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

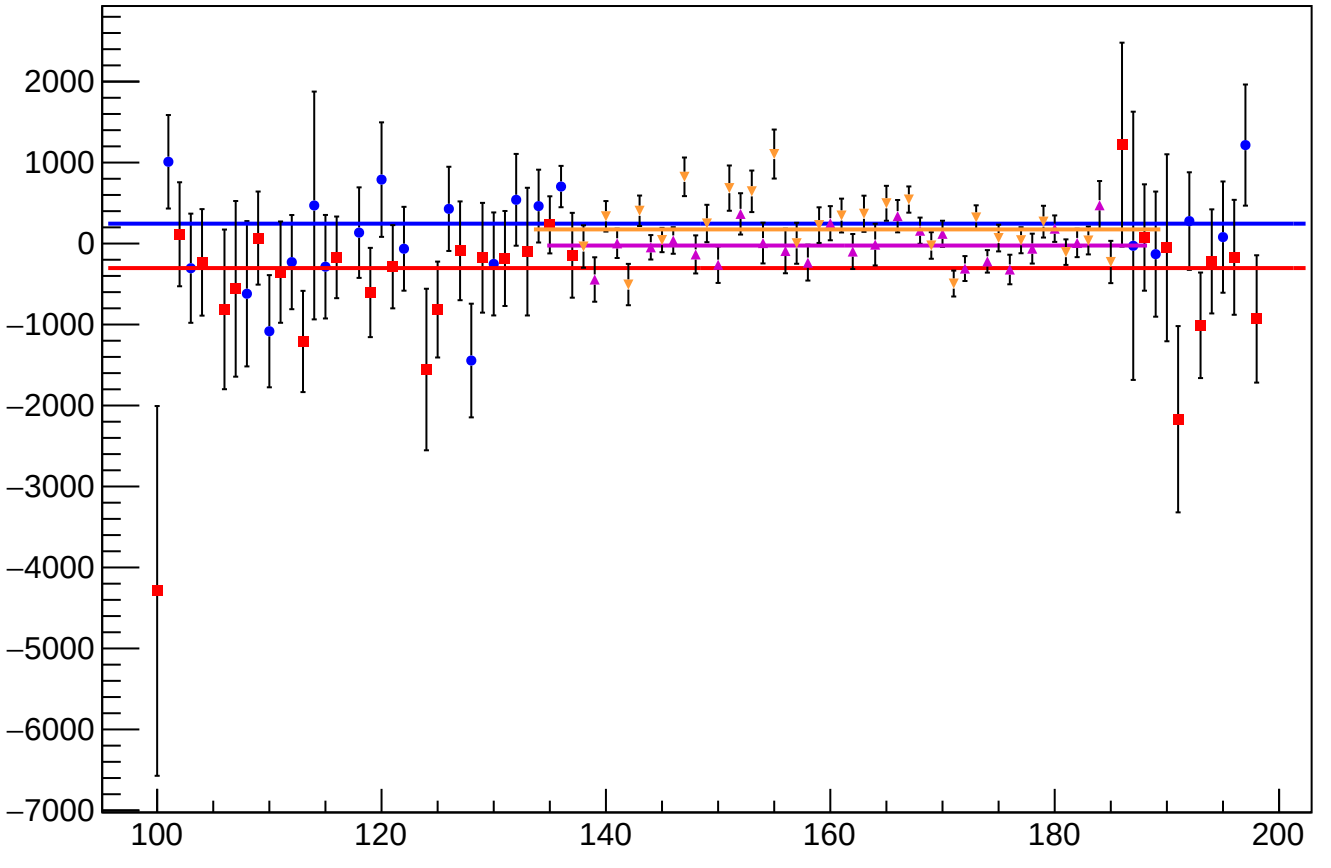
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 29.396+/-0.004 χ^2/NDF: 3358302.6/47

In: 21.871+/-0.003 χ^2/NDF:2966966.3/43

Out: 22.120+/-0.003 χ^2/NDF:4515798.8/51

All: 21.999+/-0.002 χ^2/NDF: 7486404.1/95



Right In: 245.560+/-125.317 χ^2/NDF: 21.7/20

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -302.884+/-125.272 χ^2/NDF: 18.0/26

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

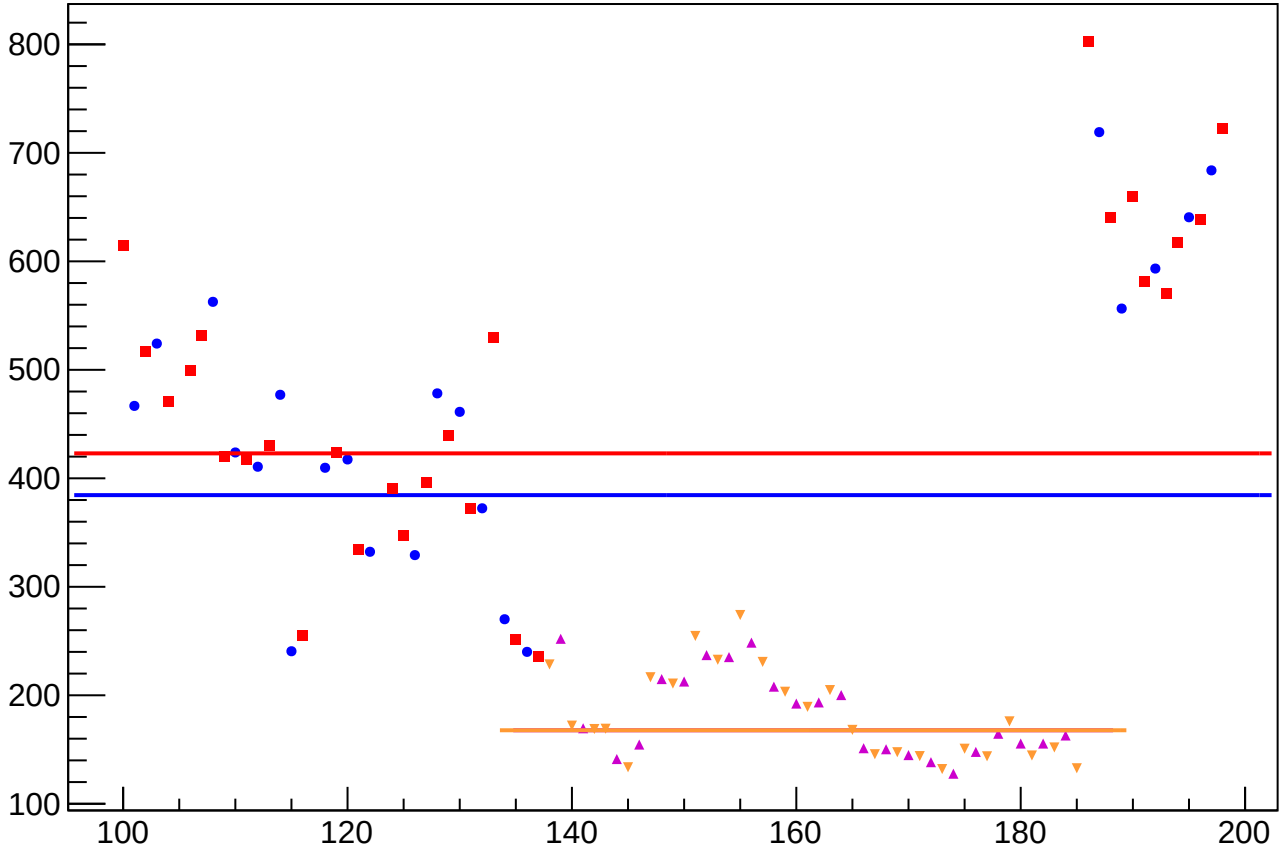
Right: -28.760+/-88.597 χ^2/NDF: 49.3/47

In: 0.469+/-38.167 χ^2/NDF:52.8/43

Out: 132.397+/-37.280 χ^2/NDF:102.5/51

All: 67.983+/-26.669 χ^2/NDF: 161.4/95

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 384.503+/-0.089 χ^2/NDF: 2232443.6/20

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 422.992+/-0.089 χ^2/NDF: 2484910.8/26

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

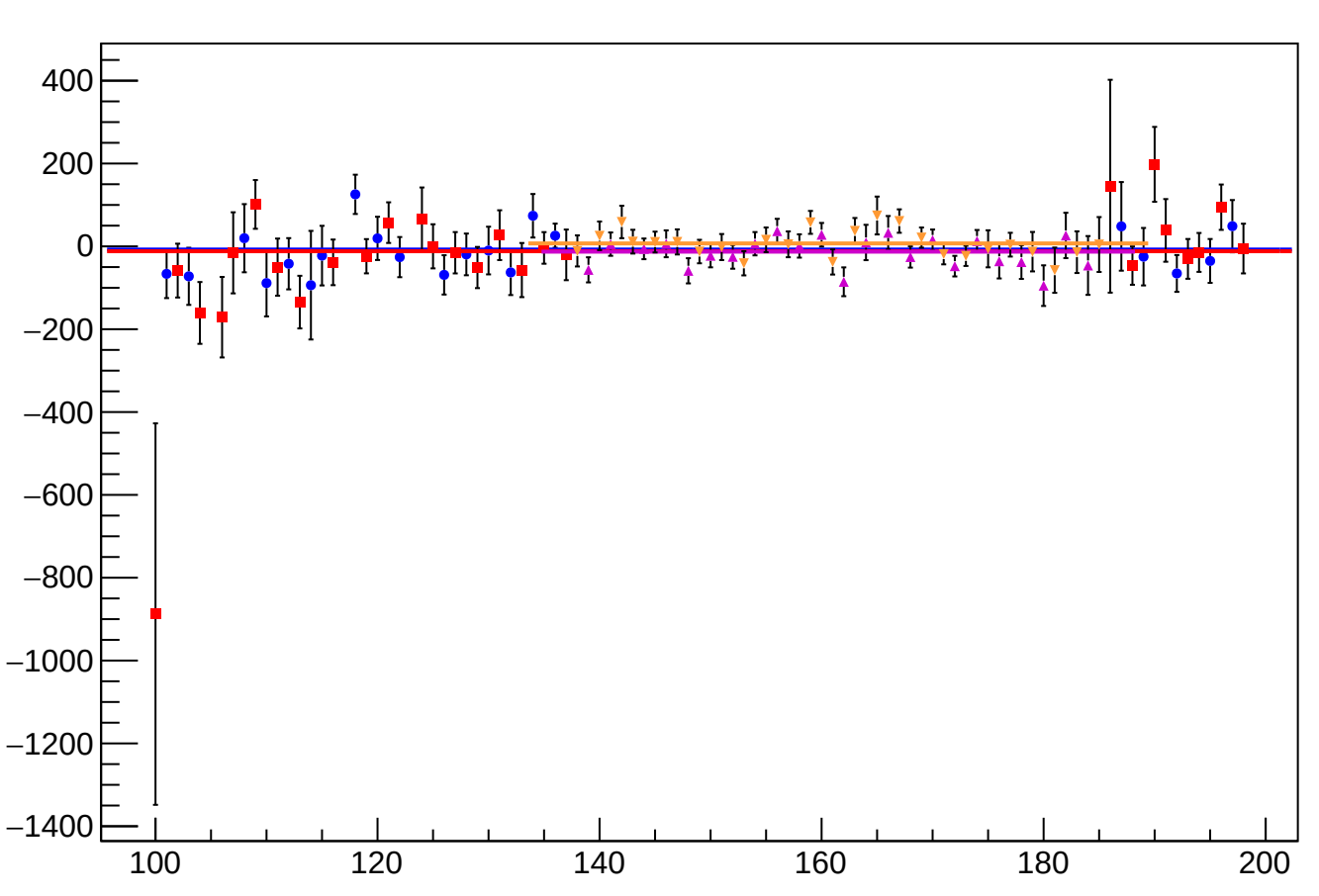
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 403.755+/-0.063 χ^2/NDF: 4811719.4/47

In: 187.854+/-0.027 χ^2/NDF:9063959.4/43

Out: 190.358+/-0.026 χ^2/NDF:11630435.4/51

All: 189.136+/-0.019 χ^2/NDF: 20698801.9/95



Right In: -7.648+/-11.966 χ^2/NDF: 21.7/20

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -11.743+/-11.334 χ^2/NDF: 34.3/26

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

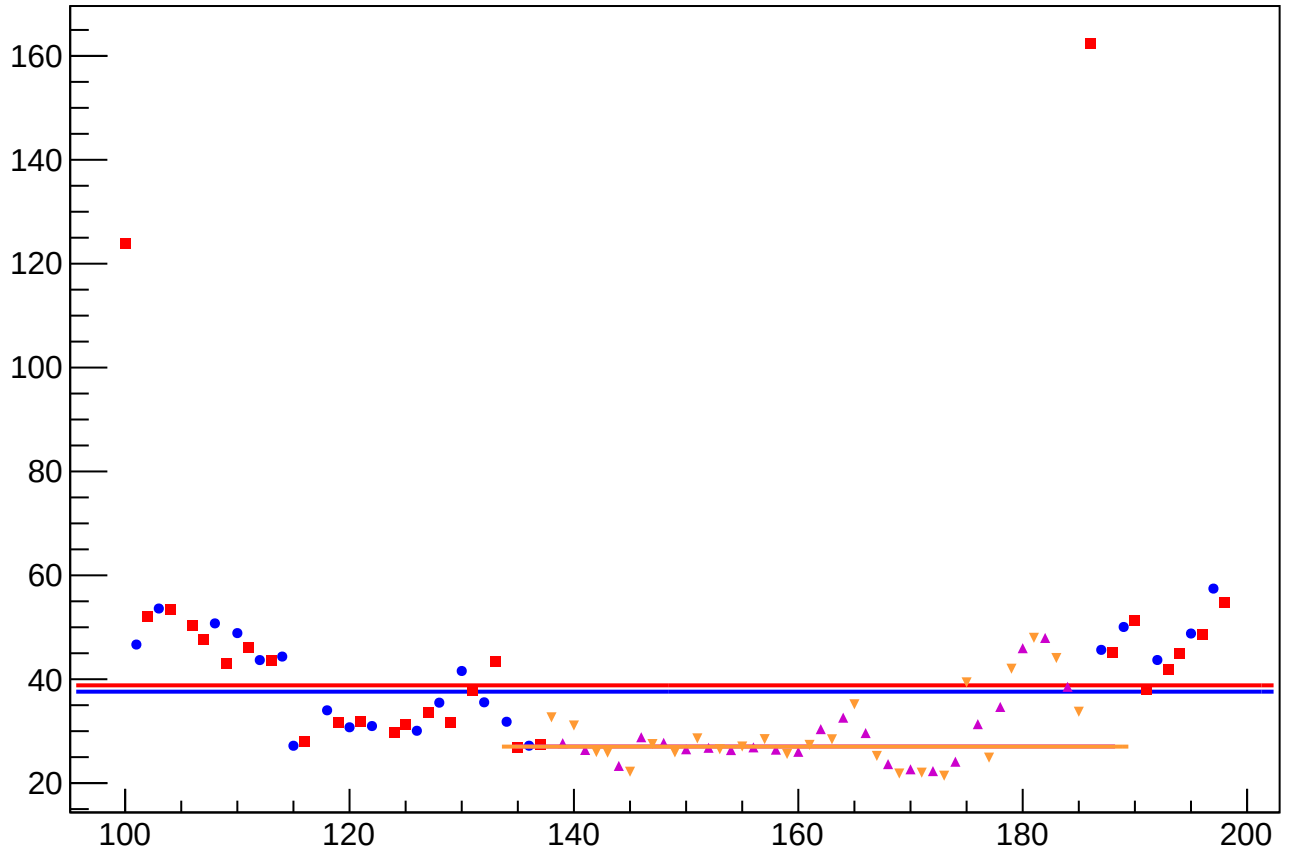
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -9.807+/-8.229 χ^2/NDF: 56.0/47

In: -11.543+/-5.721 χ^2/NDF:47.4/43

Out: 2.601+/-5.529 χ^2/NDF:59.1/51

All: -4.229+/-3.976 χ^2/NDF: 109.7/95



Right In: 37.604+/-0.008 χ^2/NDF: 1143270.6/20

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 38.821+/-0.008 χ^2/NDF: 1682816.9/26

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

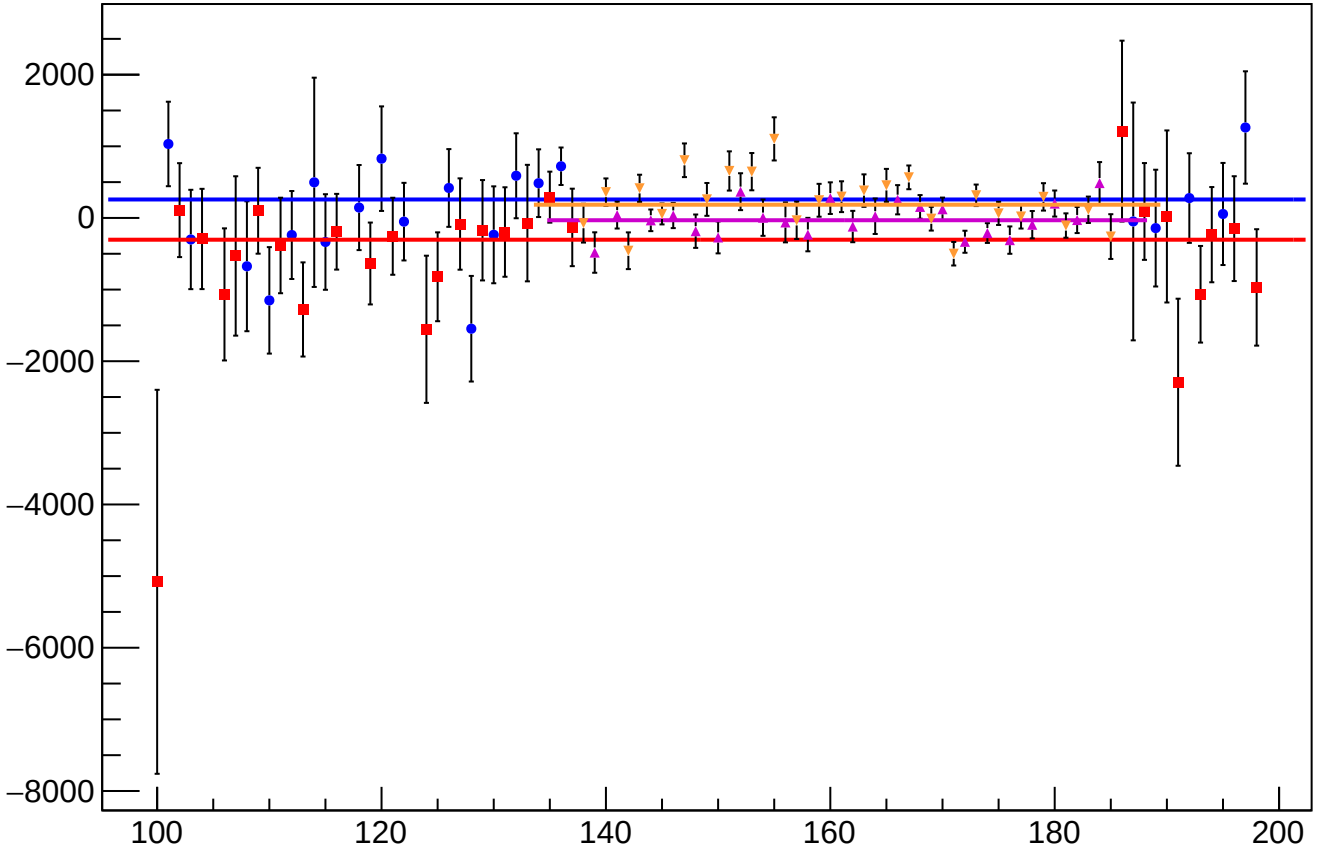
Right: 38.245+/-0.006 χ^2/NDF: 2836994.5/47

In: 29.464+/-0.004 χ^2/NDF:3387350.8/43

Out: 29.833+/-0.004 χ^2/NDF:4763845.3/51

All: 29.655+/-0.003 χ^2/NDF: 8155493.1/95

asym_sam_1357_2468_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 257.776+/-130.368 χ^2/NDF: 21.8/20

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

Right Out: -303.903+/-129.684 χ^2/NDF: 19.5/26

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

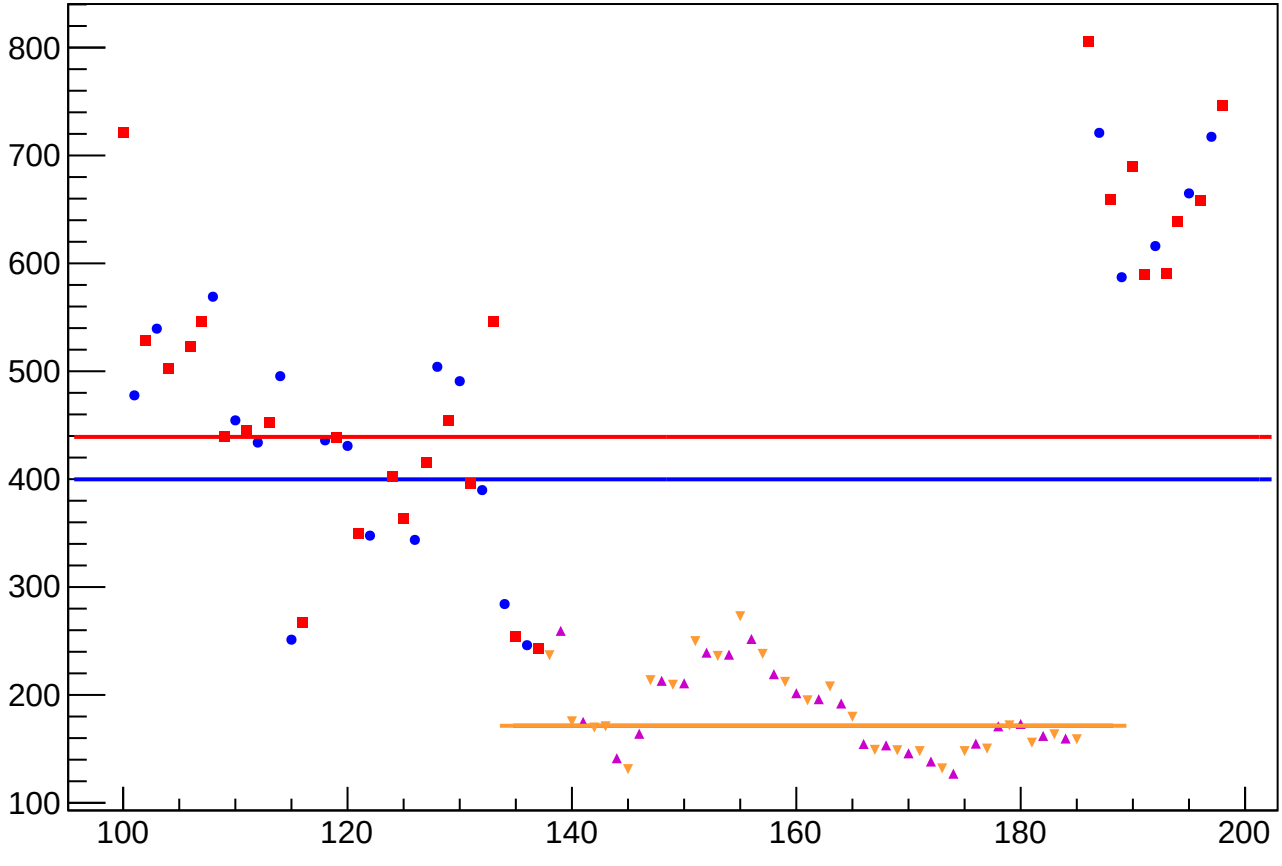
Right: -24.541+/-91.941 χ^2/NDF: 50.5/47

In: -5.849+/-39.090 χ^2/NDF:52.6/43

Out: 142.556+/-38.076 χ^2/NDF:100.1/51

All: 70.302+/-27.275 χ^2/NDF: 160.1/95

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 399.825+/-0.092 χ^2/NDF: 2272029.6/20

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 439.158+/-0.092 χ^2/NDF: 2506723.1/26

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

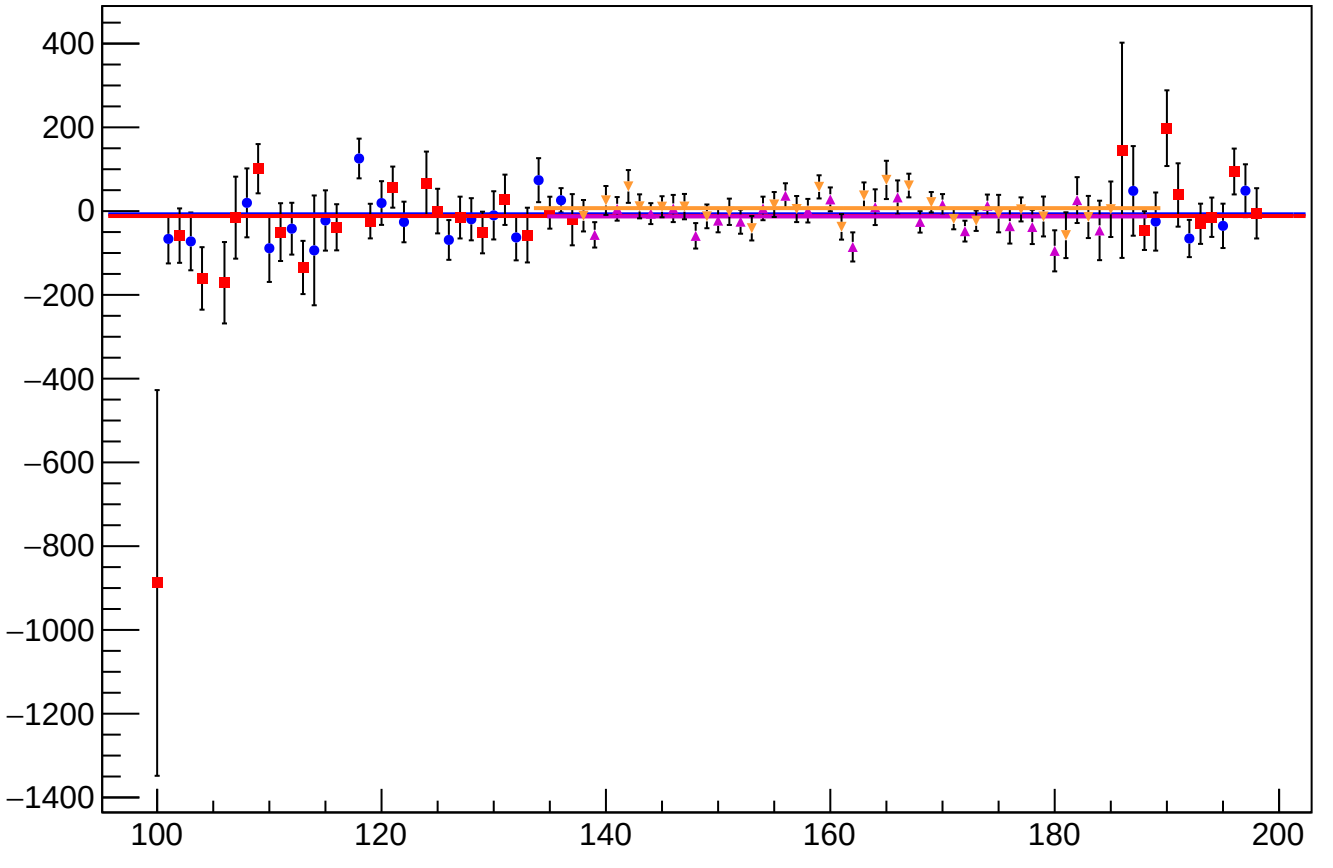
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 419.595+/-0.065 χ^2/NDF: 4870259.2/47

In: 192.018+/-0.028 χ^2/NDF:9271470.9/43

Out: 194.507+/-0.027 χ^2/NDF:11822939.4/51

All: 193.295+/-0.019 χ^2/NDF: 21098569.9/95



Right In: -7.649+/-11.966 χ^2/NDF: 21.7/20

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -11.743+/-11.334 χ^2/NDF: 34.3/26

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

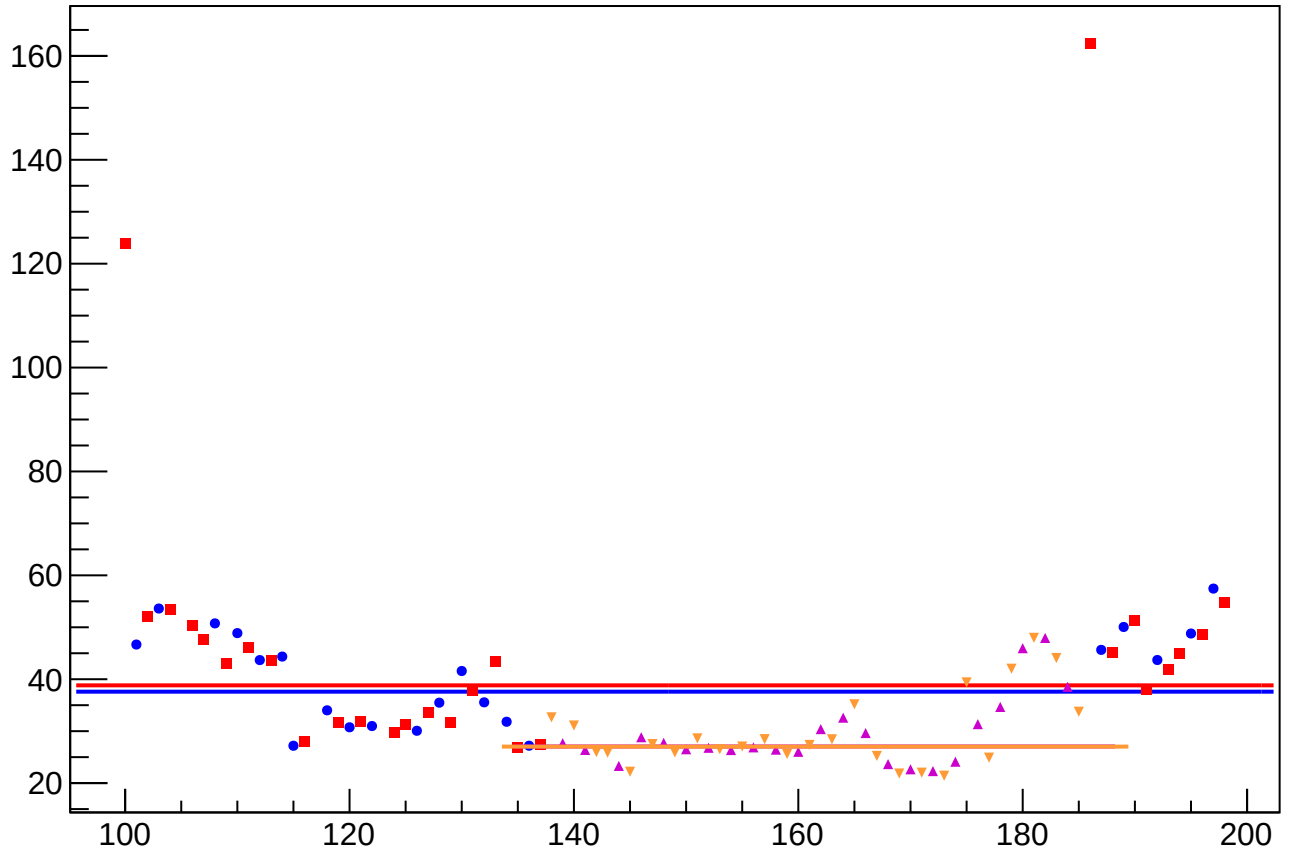
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -9.807+/-8.229 χ^2/NDF: 56.0/47

In: -11.543+/-5.721 χ^2/NDF:47.4/43

Out: 2.601+/-5.529 χ^2/NDF:59.1/51

All: -4.230+/-3.976 χ^2/NDF: 109.7/95



Right In: 37.603+/-0.008 χ^2/NDF: 1143263.2/20

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

Right Out: 38.821+/-0.008 χ^2/NDF: 1682824.0/26

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

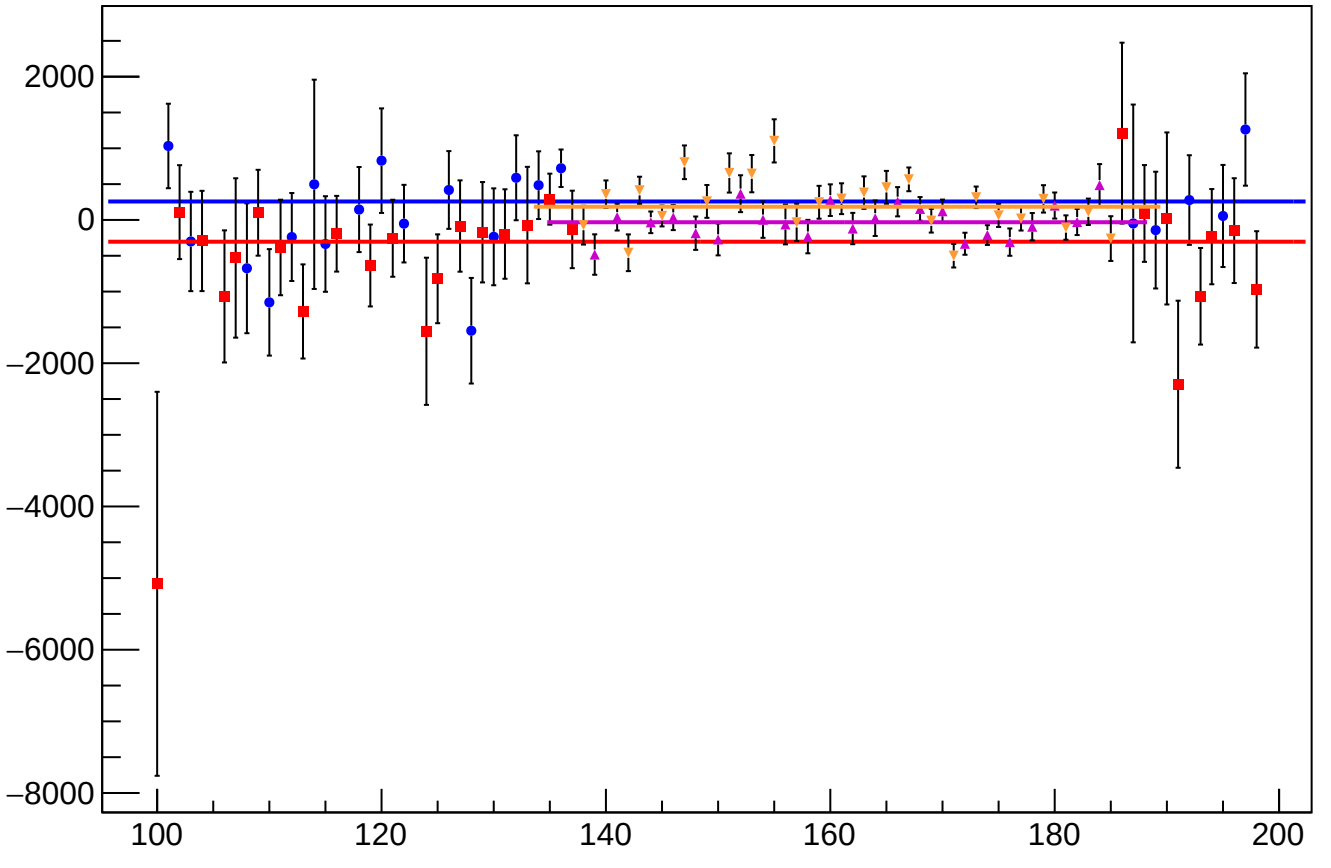
Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

Right: 38.245+/-0.006 χ^2/NDF: 2836995.8/47

In: 29.464+/-0.004 χ^2/NDF:3387225.4/43

Out: 29.833+/-0.004 χ^2/NDF:4763753.6/51

All: 29.655+/-0.003 χ^2/NDF: 8155276.9/95



Right In: 257.774+/-130.368 χ^2/NDF: 21.8/20

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

Right Out: -303.903+/-129.684 χ^2/NDF: 19.5/26

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

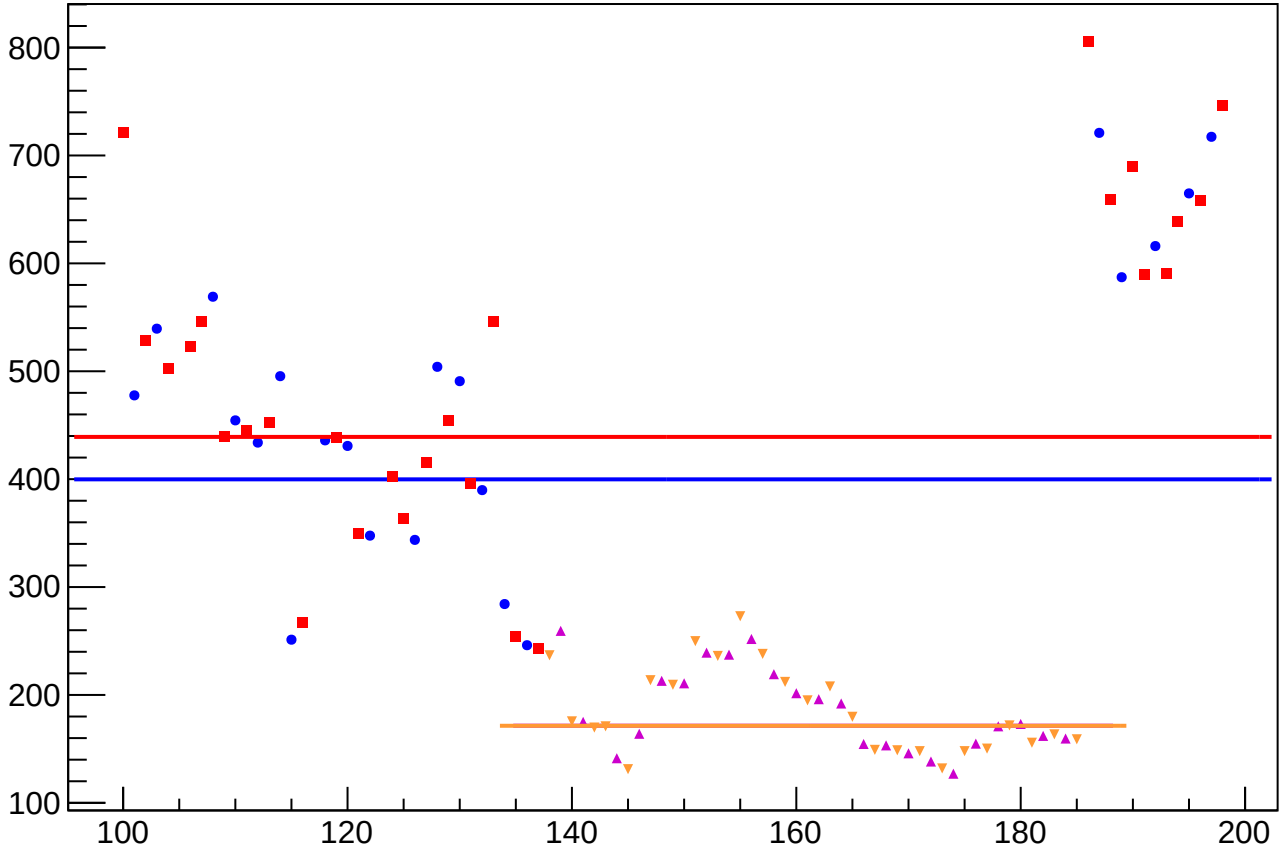
Right: -24.541+/-91.941 χ^2/NDF: 50.5/47

In: -5.849+/-39.089 χ^2/NDF:52.6/43

Out: 142.556+/-38.076 χ^2/NDF:100.1/51

All: 70.302+/-27.275 χ^2/NDF: 160.1/95

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 399.824+/-0.092 χ^2/NDF: 2272030.8/20

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 439.157+/-0.092 χ^2/NDF: 2506730.3/26

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

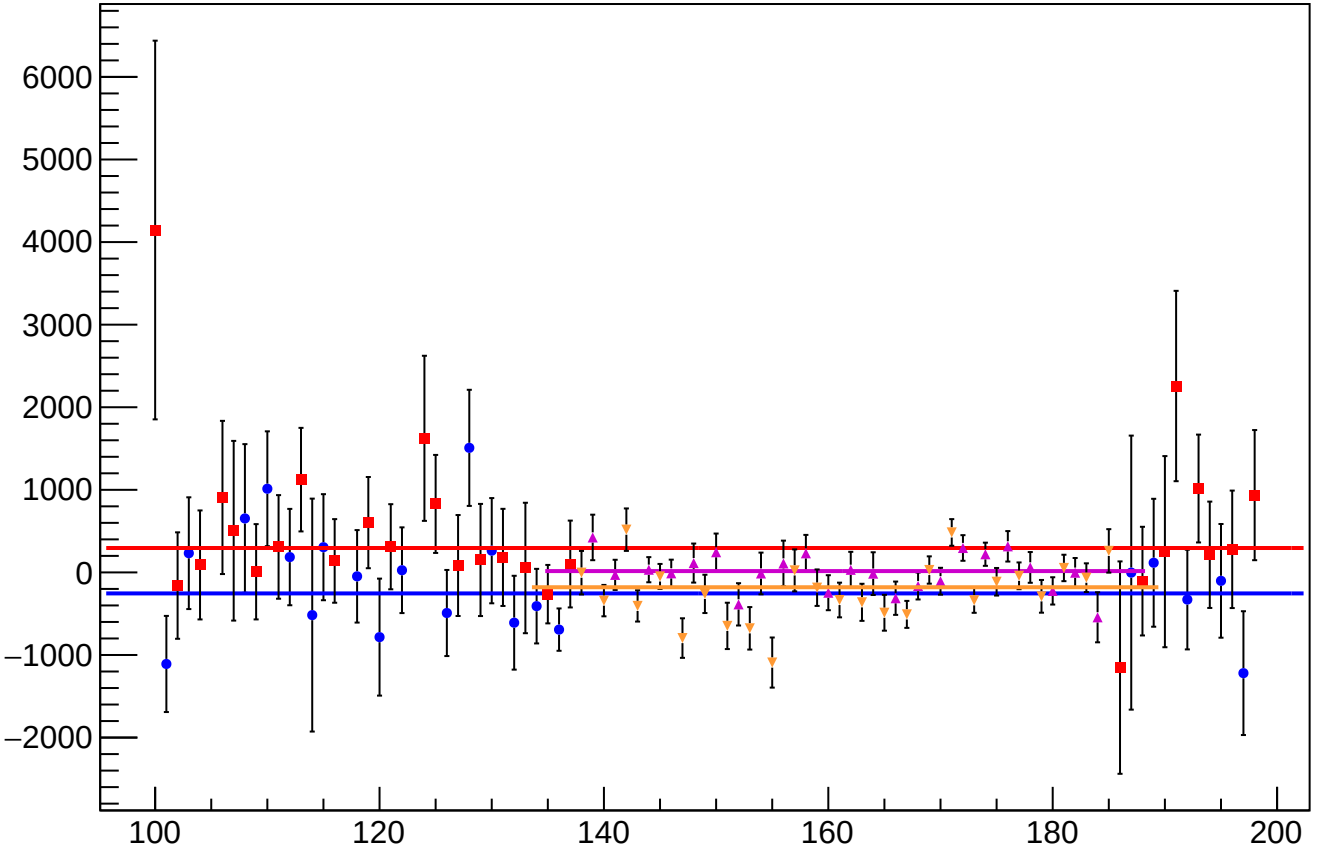
Right: 419.594+/-0.065 χ^2/NDF: 4870267.9/47

In: 192.017+/-0.028 χ^2/NDF:9271496.6/43

Out: 194.506+/-0.027 χ^2/NDF:11822972.6/51

All: 193.295+/-0.019 χ^2/NDF: 21098629.1/95

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -254.372+/-125.736 χ^2/NDF: 21.9/20

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: 295.492+/-125.512 χ^2/NDF: 18.2/26

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

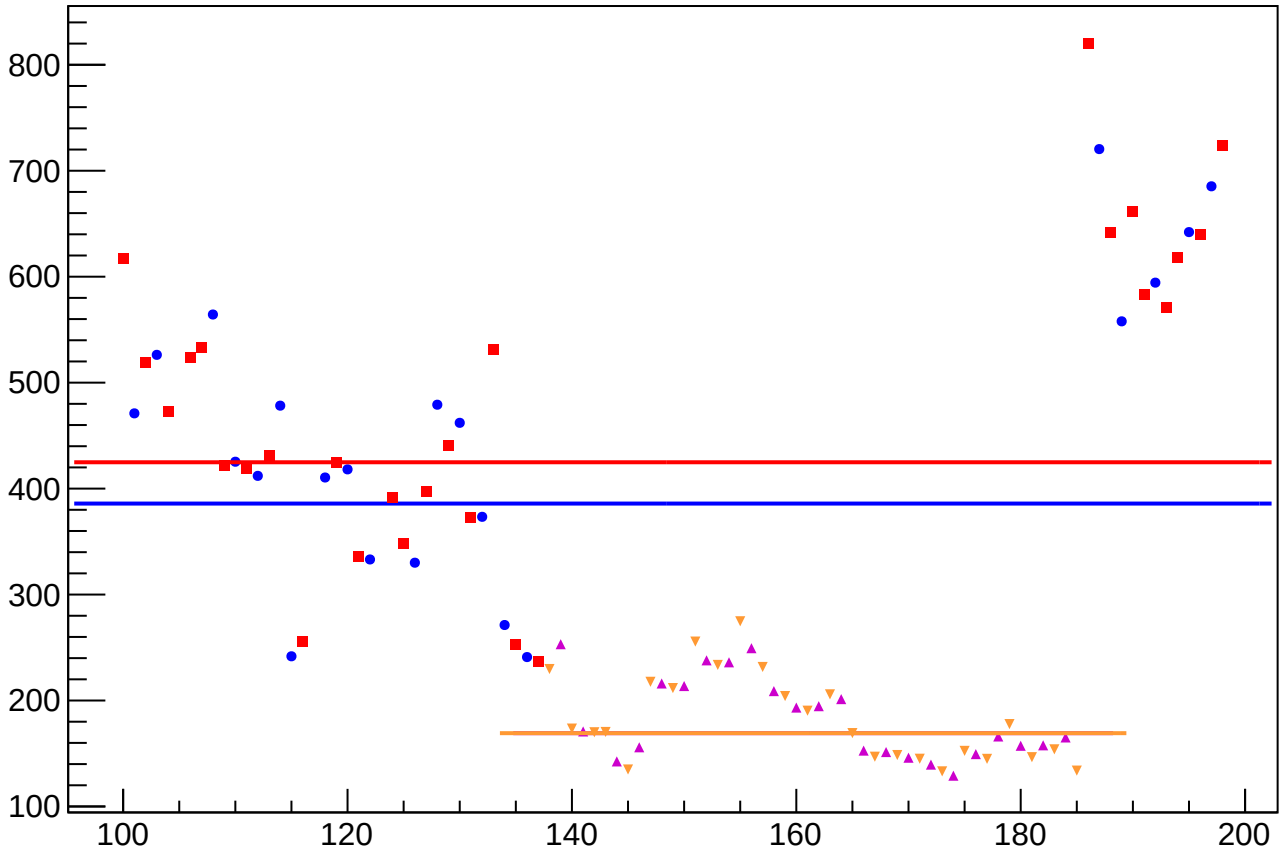
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: 21.050+/-88.830 χ^2/NDF: 49.7/47

In: -9.245+/-38.460 χ^2/NDF:52.7/43

Out: -137.106+/-37.560 χ^2/NDF:98.4/51

All: -74.689+/-26.871 χ^2/NDF: 156.8/95



Right In: 385.884+/-0.089 χ^2/NDF: 2226219.7/20

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

Right Out: 424.860+/-0.089 χ^2/NDF: 2496648.2/26

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

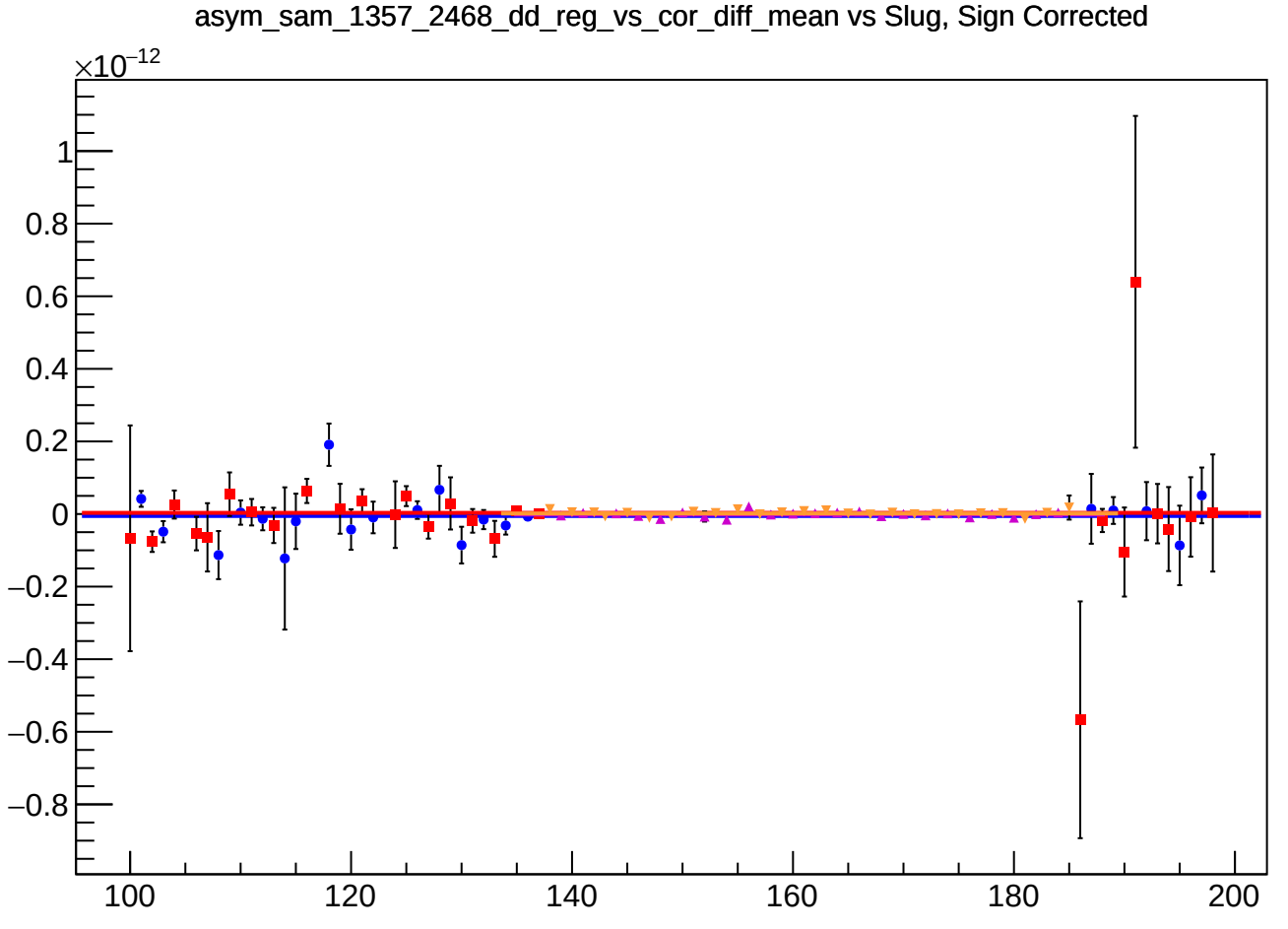
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

Right: 405.407+/-0.063 χ^2/NDF: 4819132.3/47

In: 189.461+/-0.027 χ^2/NDF:8985221.1/43

Out: 192.078+/-0.027 χ^2/NDF:11600570.5/51

All: 190.801+/-0.019 χ^2/NDF: 20590529.7/95



Right In: -0.000+/-0.000 χ^2/NDF: 28.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.4/26

Left In: -0.000+/-0.000 χ^2/NDF:19.7/22

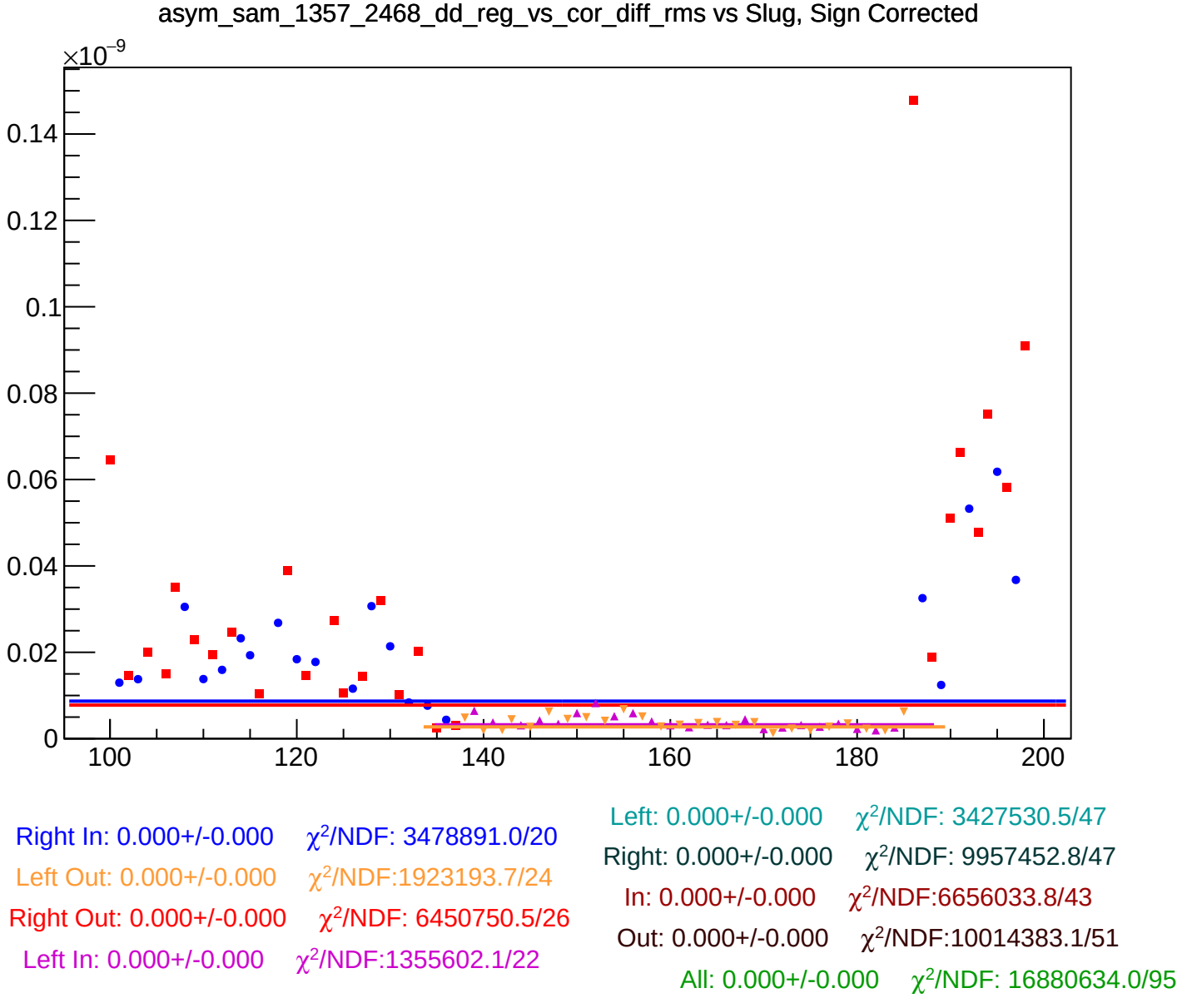
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

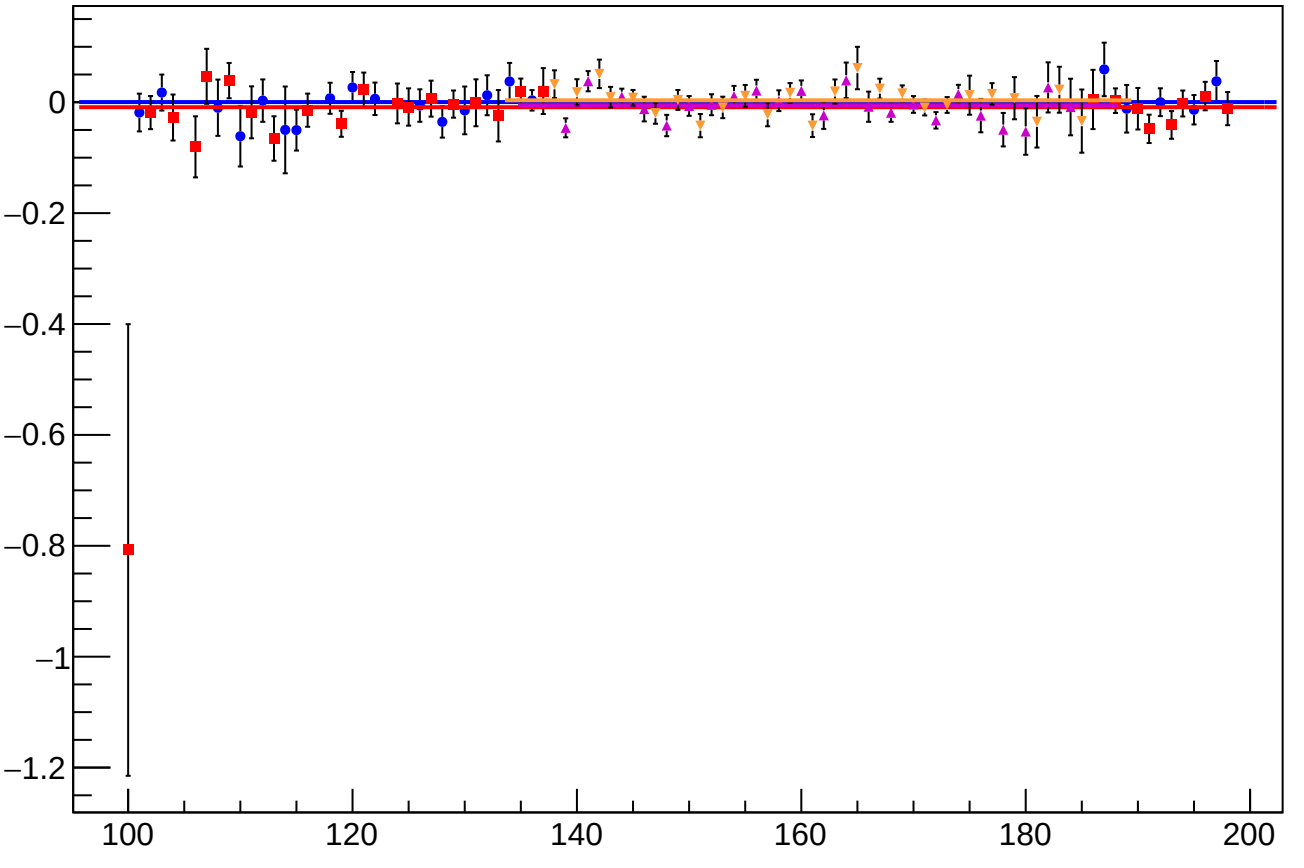
Right: -0.000+/-0.000 χ^2/NDF: 59.2/47

In: -0.000+/-0.000 χ^2/NDF:48.8/43

Out: 0.000+/-0.000 χ^2/NDF:48.3/51

All: 0.000+/-0.000 χ^2/NDF: 100.5/95


asym_sam_1357_2468_dd_reg_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: 3478891.0/20
Left Out: 0.000+/-0.000 χ²/NDF:1923193.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 6450750.5/26
Left In: 0.000+/-0.000 χ²/NDF:1355602.1/22
Left: 0.000+/-0.000 χ²/NDF: 3427530.5/47
Right: 0.000+/-0.000 χ²/NDF: 9957452.8/47
In: 0.000+/-0.000 χ²/NDF:6656033.8/43
Out: 0.000+/-0.000 χ²/NDF:10014383.1/51
All: 0.000+/-0.000 χ²/NDF: 16880634.0/95



Right In: 0.000+/-0.007 χ^2/NDF: 11.2/20

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.006 χ^2/NDF: 21.4/26

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

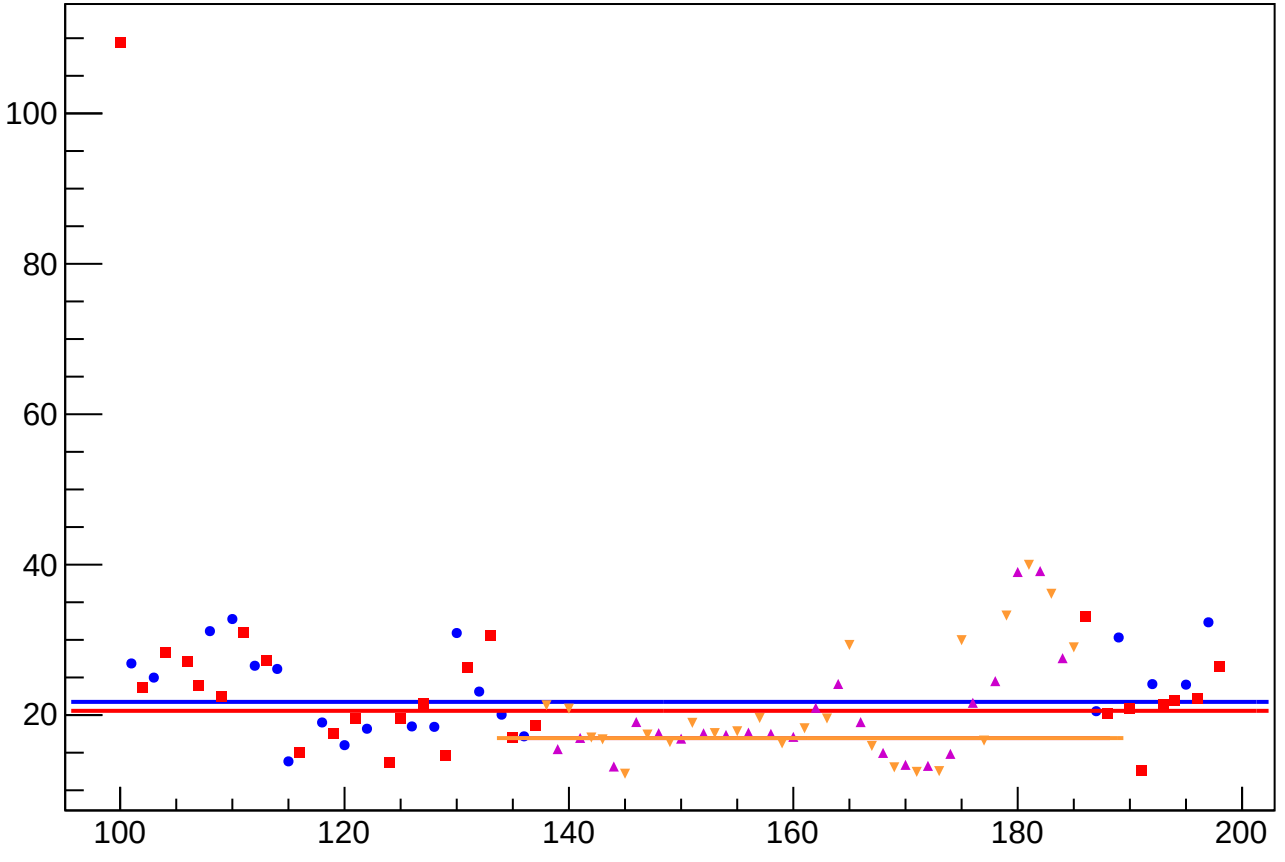
Right: -0.005+/-0.005 χ^2/NDF: 33.6/47

In: -0.004+/-0.004 χ^2/NDF:44.9/43

Out: -0.000+/-0.003 χ^2/NDF:51.2/51

All: -0.002+/-0.002 χ^2/NDF: 96.6/95

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.755+/-0.005 χ^2/NDF: 1032351.6/20

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 20.565+/-0.004 χ^2/NDF: 1267332.1/26

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

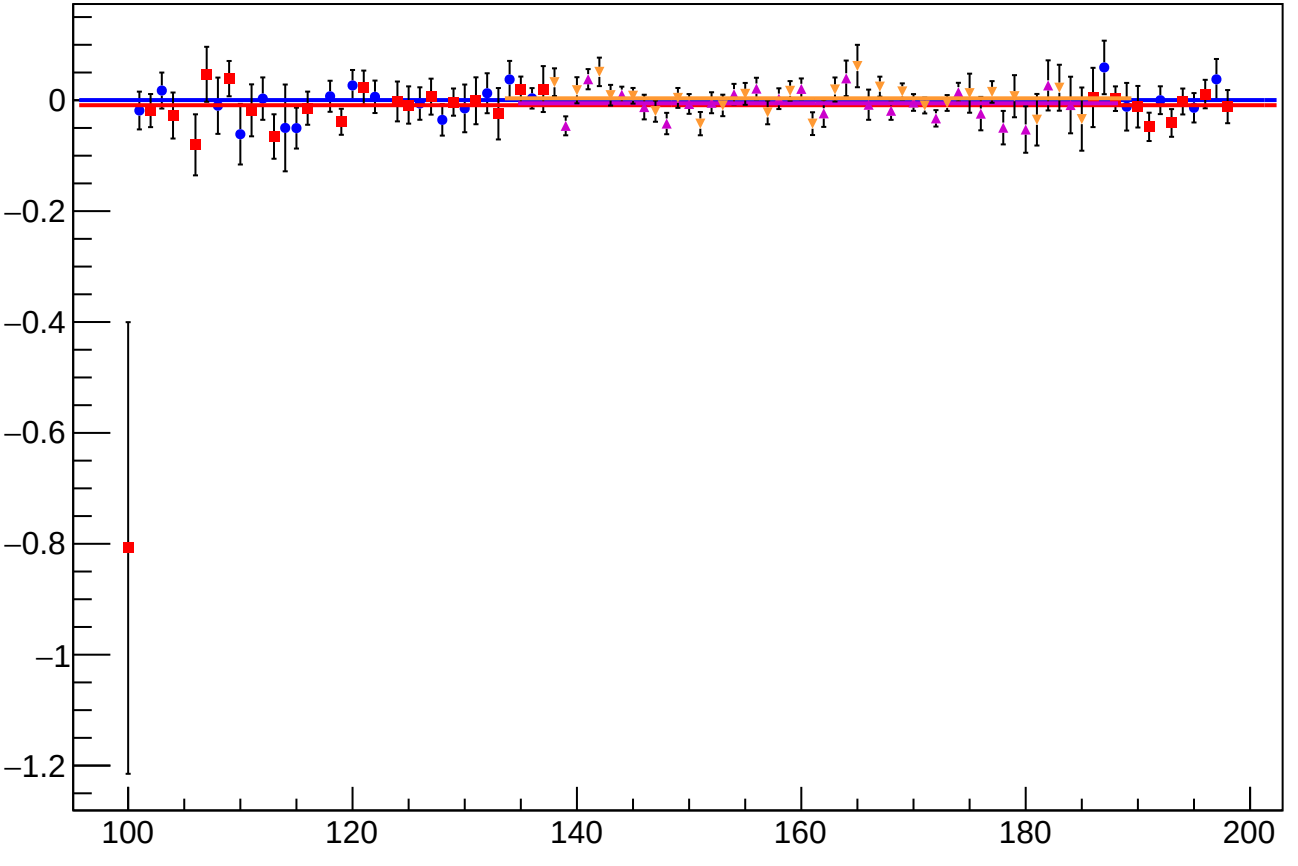
Right: 21.075+/-0.003 χ^2/NDF: 2332224.6/47

In: 18.199+/-0.003 χ^2/NDF:3662481.7/43

Out: 18.061+/-0.002 χ^2/NDF:4590431.6/51

All: 18.126+/-0.002 χ^2/NDF: 8254471.8/95

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.007 χ^2/NDF: 11.2/20

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.006 χ^2/NDF: 21.4/26

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

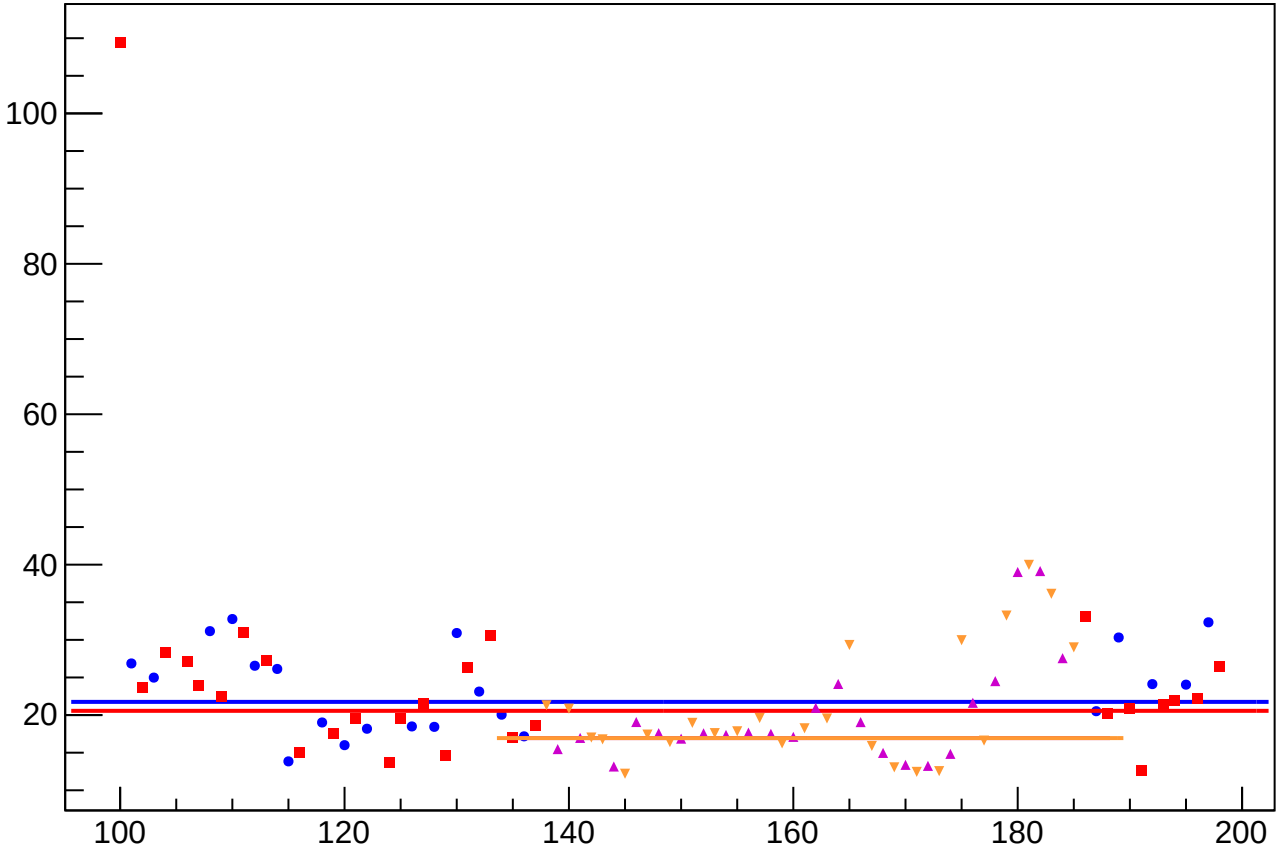
Right: -0.005+/-0.005 χ^2/NDF: 33.6/47

In: -0.004+/-0.004 χ^2/NDF:44.9/43

Out: -0.000+/-0.003 χ^2/NDF:51.2/51

All: -0.002+/-0.002 χ^2/NDF: 96.6/95

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.755+/-0.005 χ^2/NDF: 1032351.6/20

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 20.565+/-0.004 χ^2/NDF: 1267332.1/26

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

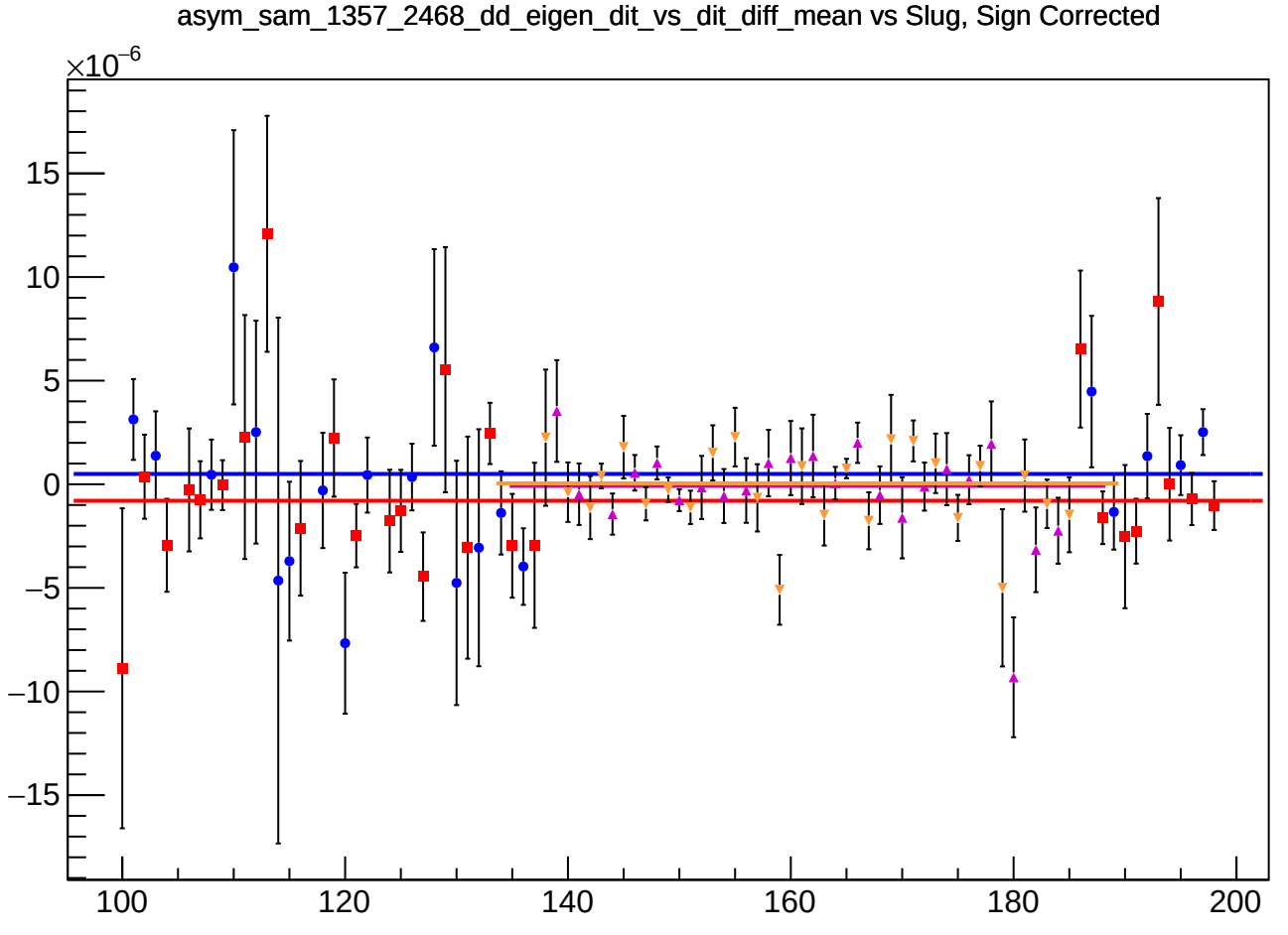
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 21.075+/-0.003 χ^2/NDF: 2332224.6/47

In: 18.199+/-0.003 χ^2/NDF:3662481.7/43

Out: 18.061+/-0.002 χ^2/NDF:4590431.6/51

All: 18.126+/-0.002 χ^2/NDF: 8254471.8/95



Right In: 0.000+/-0.000 χ^2/NDF: 27.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.2/26

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

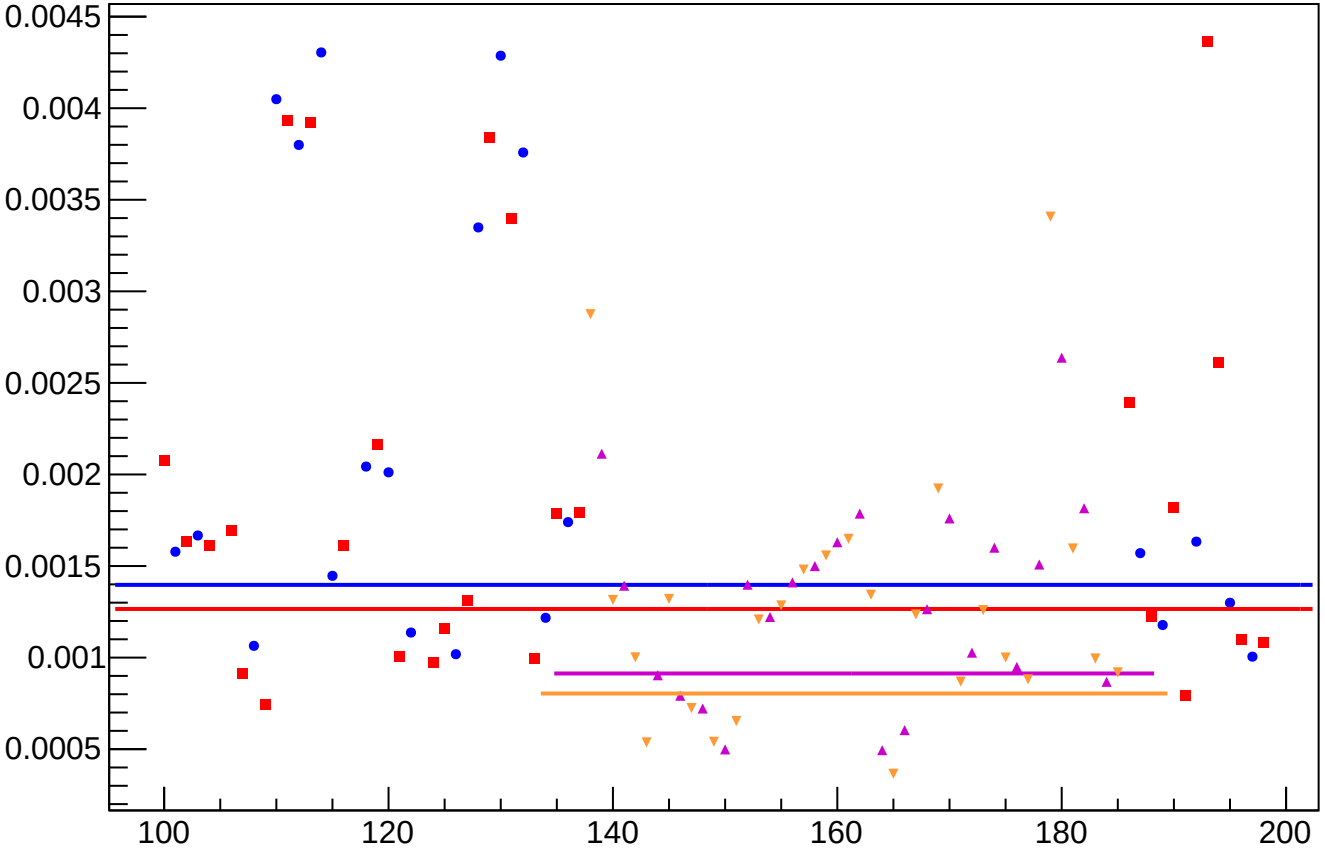
Right: -0.000+/-0.000 χ^2/NDF: 61.5/47

In: 0.000+/-0.000 χ^2/NDF:59.1/43

Out: -0.000+/-0.000 χ^2/NDF:70.8/51

All: -0.000+/-0.000 χ^2/NDF: 130.4/95

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 2843456.1/20

Left Out: 0.001+/-0.000 χ^2/NDF:8261261.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4430007.8/26

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

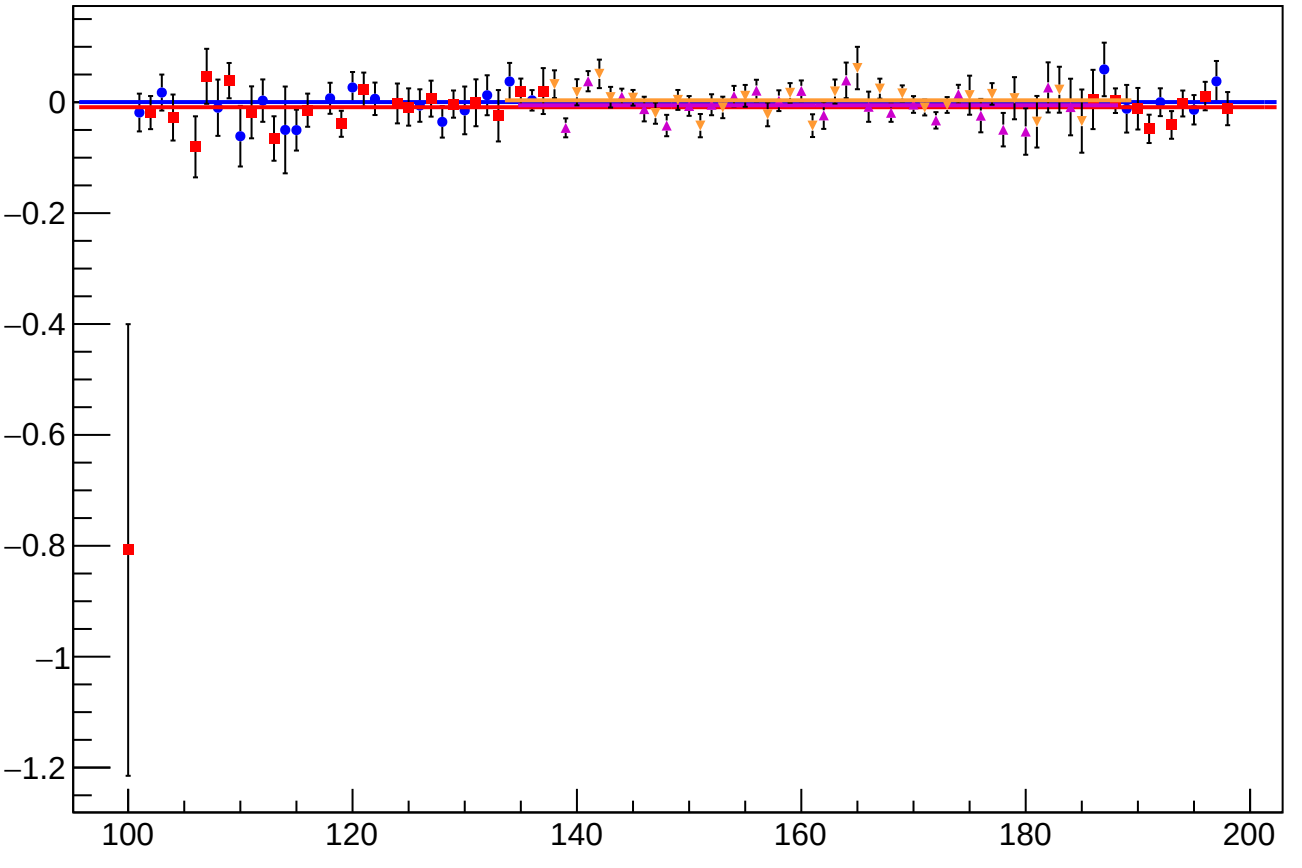
Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

Right: 0.001+/-0.000 χ^2/NDF: 7363948.8/47

In: 0.001+/-0.000 χ^2/NDF:10931245.9/43

Out: 0.001+/-0.000 χ^2/NDF:14810625.9/51

All: 0.001+/-0.000 χ^2/NDF: 26039992.3/95



Right In: 0.000+/-0.007 χ^2/NDF: 11.2/20

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.006 χ^2/NDF: 21.4/26

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

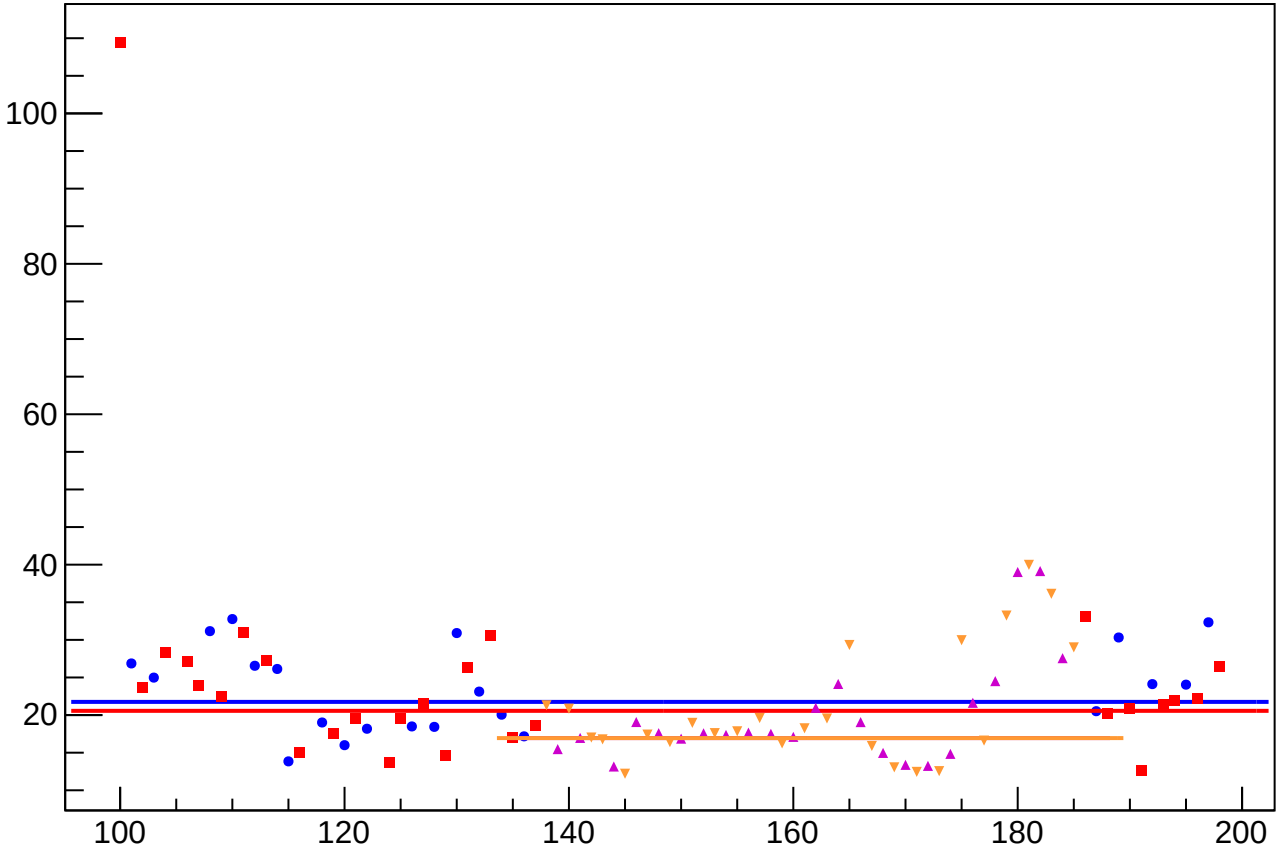
Right: -0.005+/-0.005 χ^2/NDF: 33.6/47

In: -0.004+/-0.004 χ^2/NDF:44.9/43

Out: -0.000+/-0.003 χ^2/NDF:51.2/51

All: -0.002+/-0.002 χ^2/NDF: 96.6/95

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.754+/-0.005 χ^2/NDF: 1032297.8/20

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.564+/-0.004 χ^2/NDF: 1267354.9/26

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

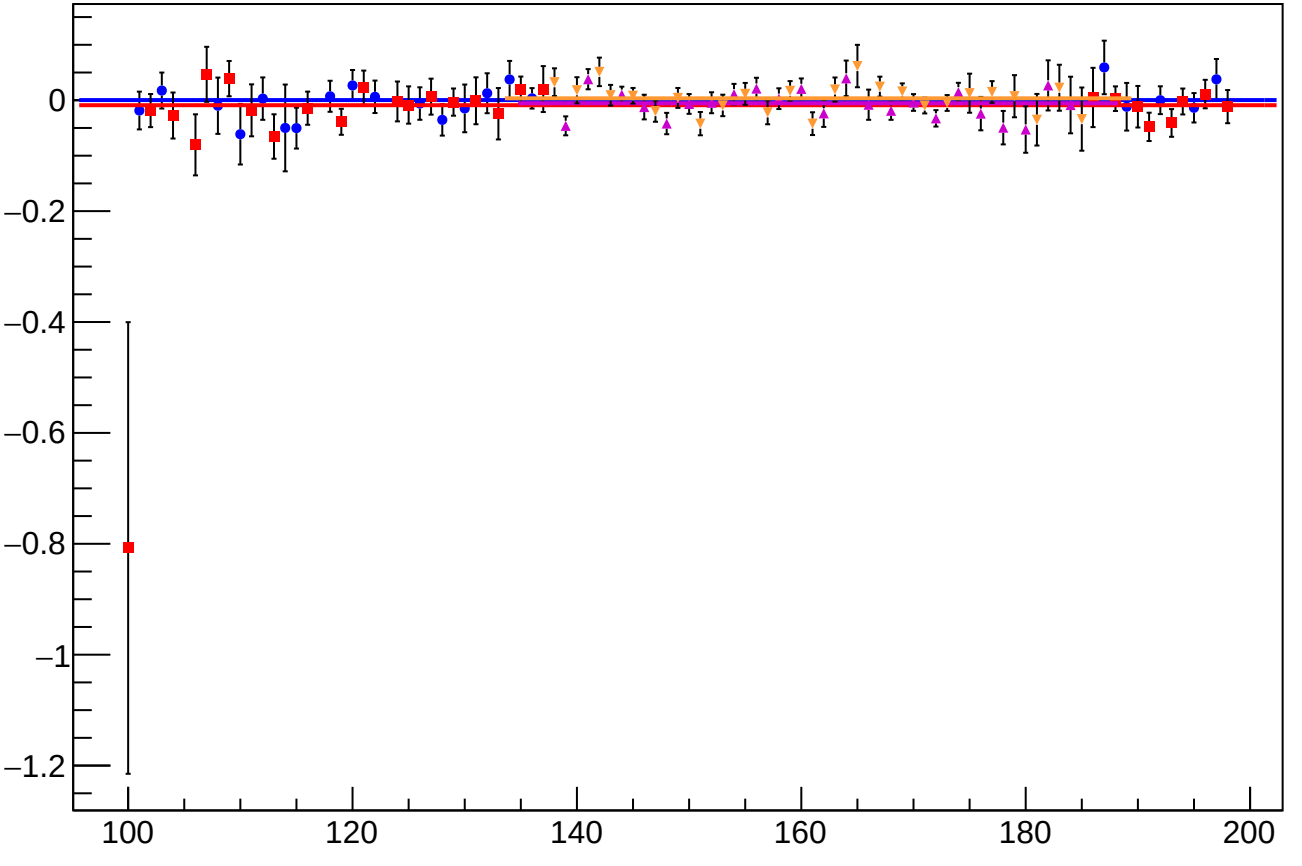
Right: 21.075+/-0.003 χ^2/NDF: 2332193.3/47

In: 18.199+/-0.003 χ^2/NDF:3662278.8/43

Out: 18.061+/-0.002 χ^2/NDF:4590291.8/51

All: 18.126+/-0.002 χ^2/NDF: 8254128.6/95

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.007 χ^2/NDF: 11.2/20

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.006 χ^2/NDF: 21.4/26

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

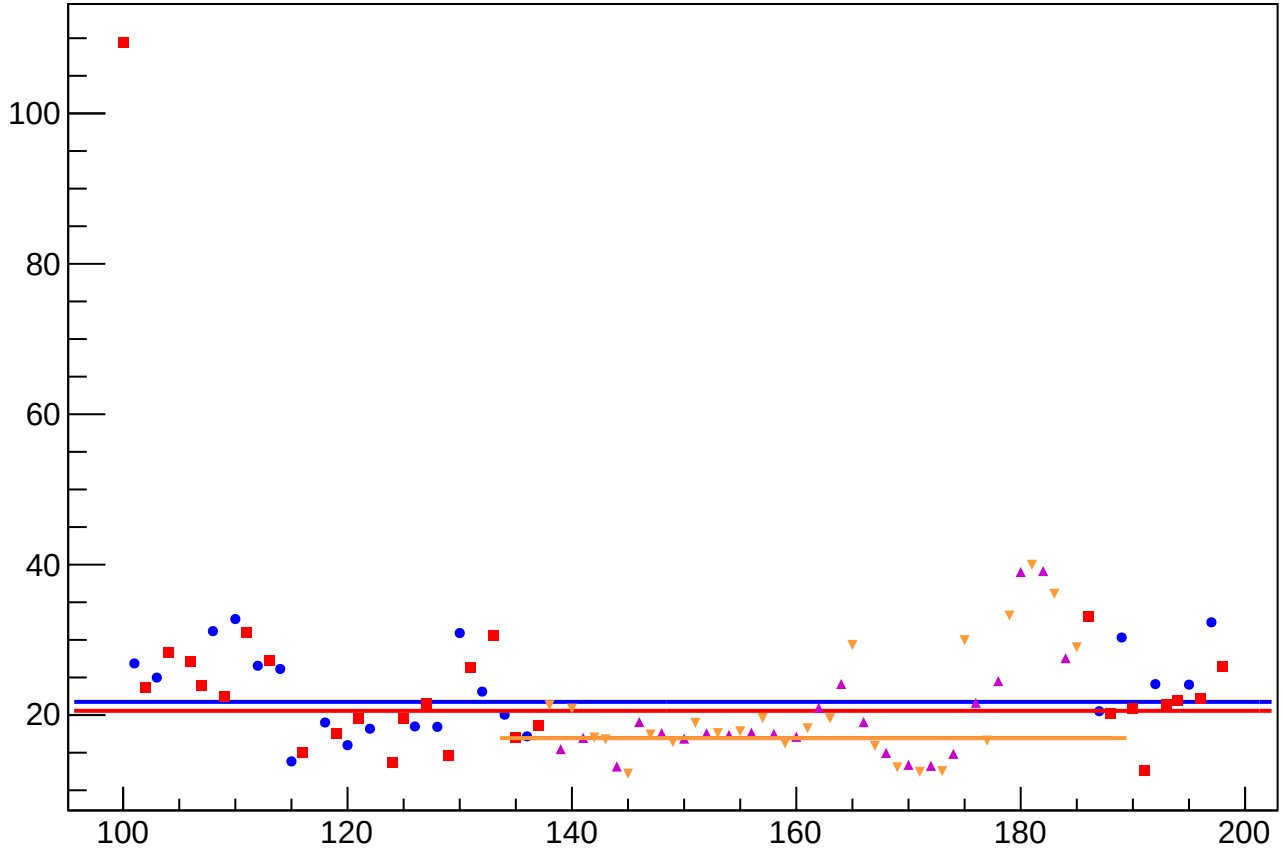
Right: -0.005+/-0.005 χ^2/NDF: 33.6/47

In: -0.004+/-0.004 χ^2/NDF:44.9/43

Out: -0.000+/-0.003 χ^2/NDF:51.2/51

All: -0.002+/-0.002 χ^2/NDF: 96.6/95

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.754+/-0.005 χ^2/NDF: 1032297.8/20

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.564+/-0.004 χ^2/NDF: 1267354.9/26

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

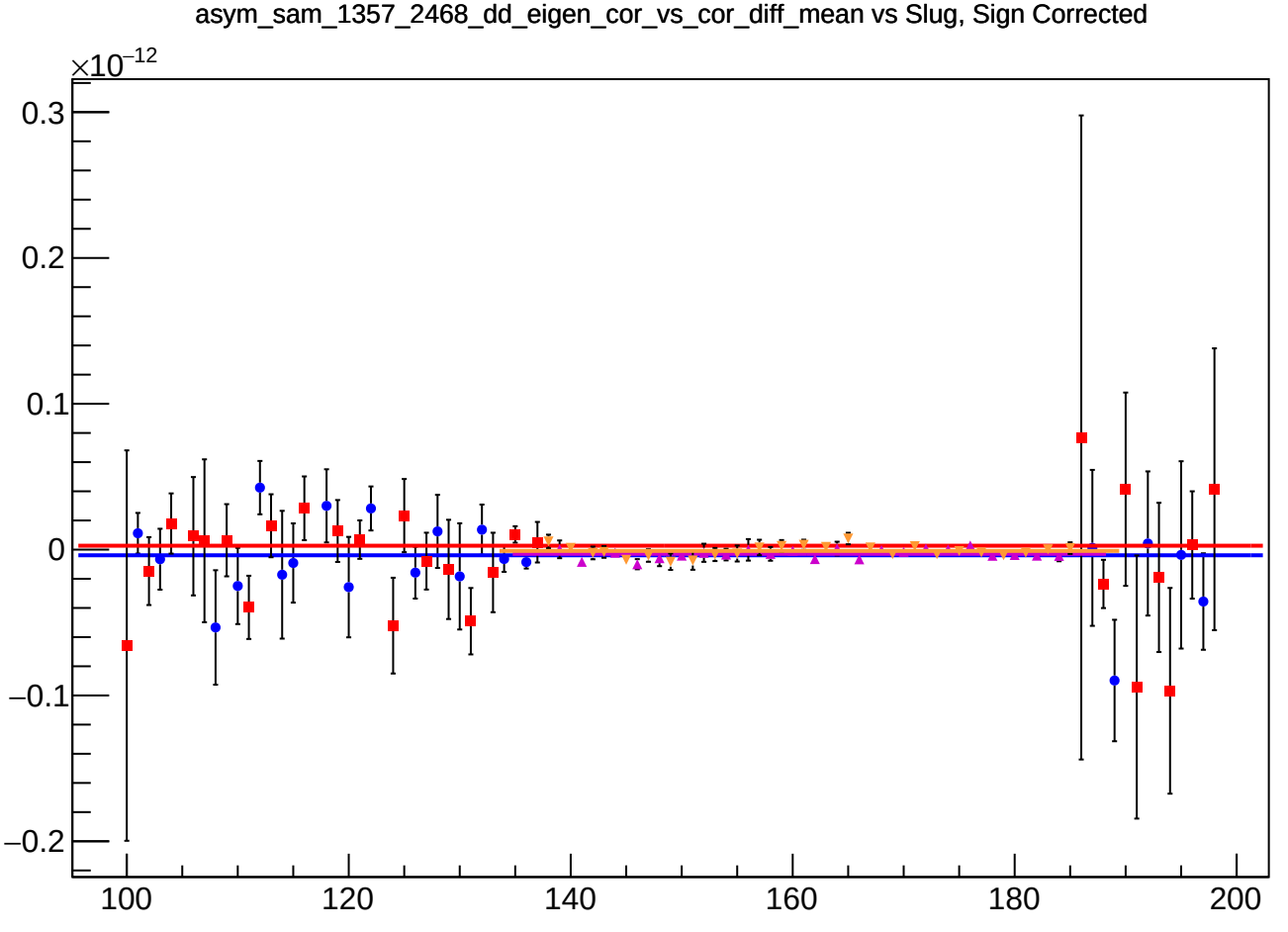
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 21.075+/-0.003 χ^2/NDF: 2332193.3/47

In: 18.199+/-0.003 χ^2/NDF:3662278.8/43

Out: 18.061+/-0.002 χ^2/NDF:4590291.8/51

All: 18.126+/-0.002 χ^2/NDF: 8254128.6/95



Right In: -0.000+/-0.000 χ^2/NDF: 25.2/20

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/26

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

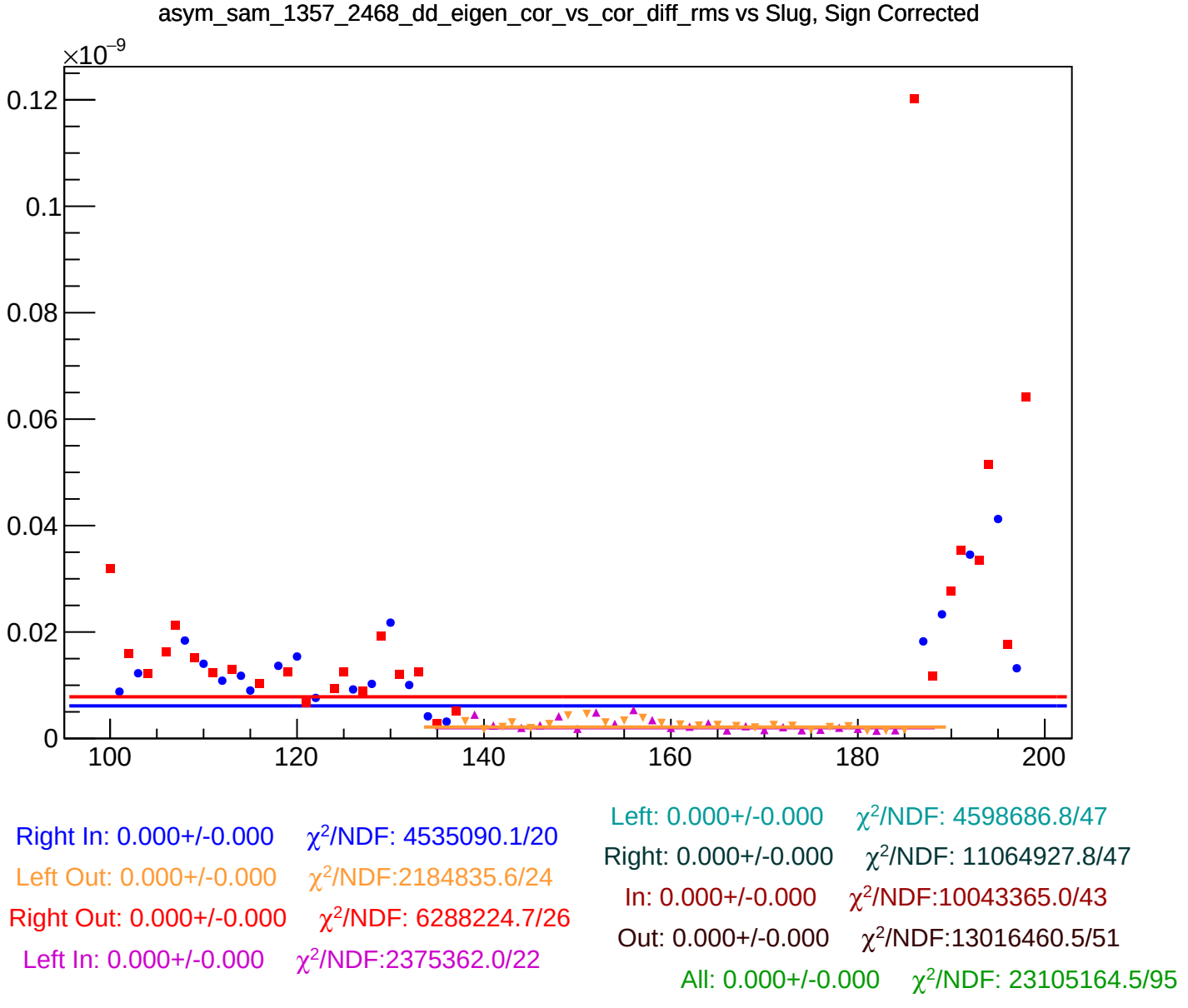
Left: -0.000+/-0.000 χ^2/NDF: 51.6/47

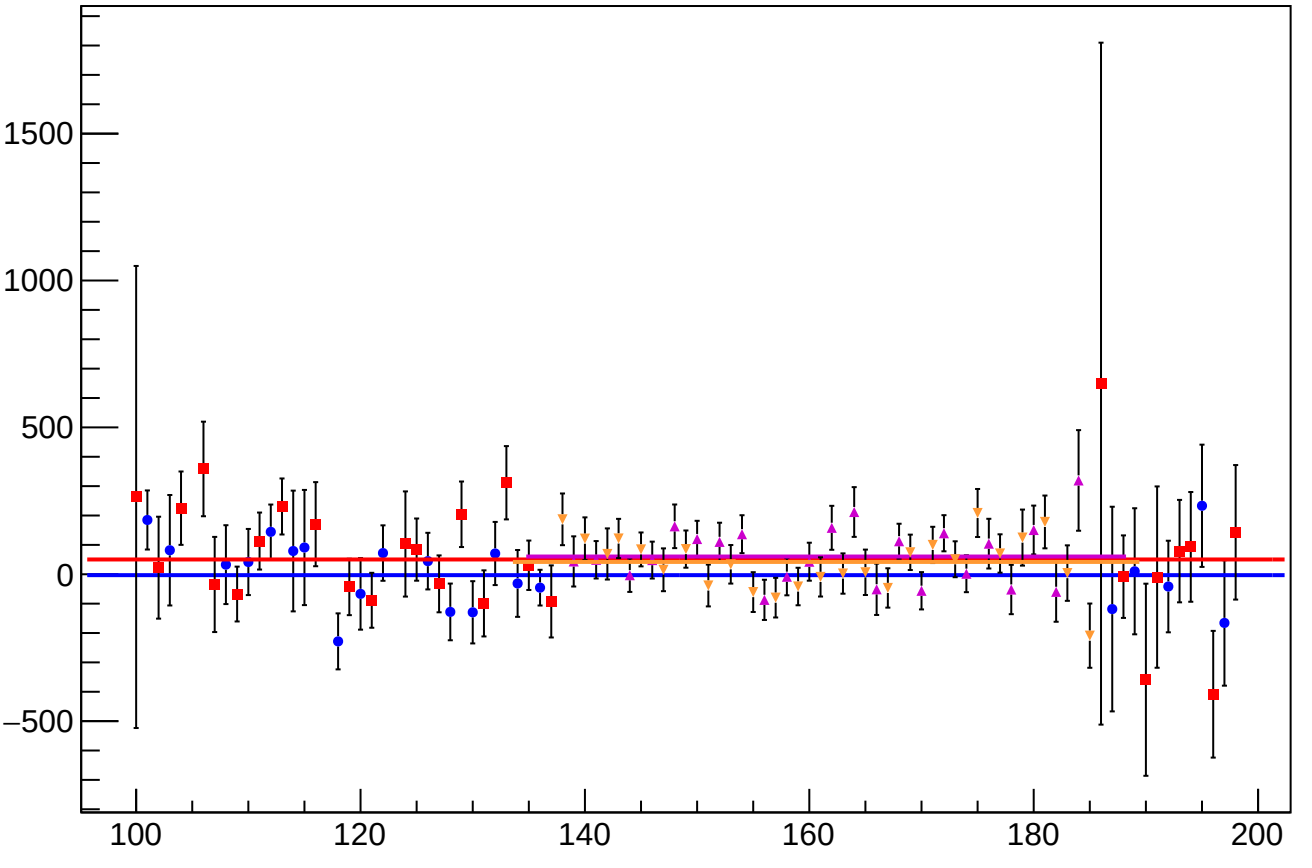
Right: -0.000+/-0.000 χ^2/NDF: 52.3/47

In: -0.000+/-0.000 χ^2/NDF:48.4/43

Out: -0.000+/-0.000 χ^2/NDF:49.8/51

All: -0.000+/-0.000 χ^2/NDF: 104.0/95


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4535090.1/20
Left Out: 0.000+/-0.000 χ²/NDF:2184835.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 6288224.7/26
Left In: 0.000+/-0.000 χ²/NDF:2375362.0/22
Left: 0.000+/-0.000 χ²/NDF: 4598686.8/47
Right: 0.000+/-0.000 χ²/NDF: 11064927.8/47
In: 0.000+/-0.000 χ²/NDF:10043365.0/43
Out: 0.000+/-0.000 χ²/NDF:13016460.5/51
All: 0.000+/-0.000 χ²/NDF: 23105164.5/95



Right In: -3.019+/-25.226 χ^2/NDF: 19.7/20

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: 50.360+/-24.921 χ^2/NDF: 32.6/26

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

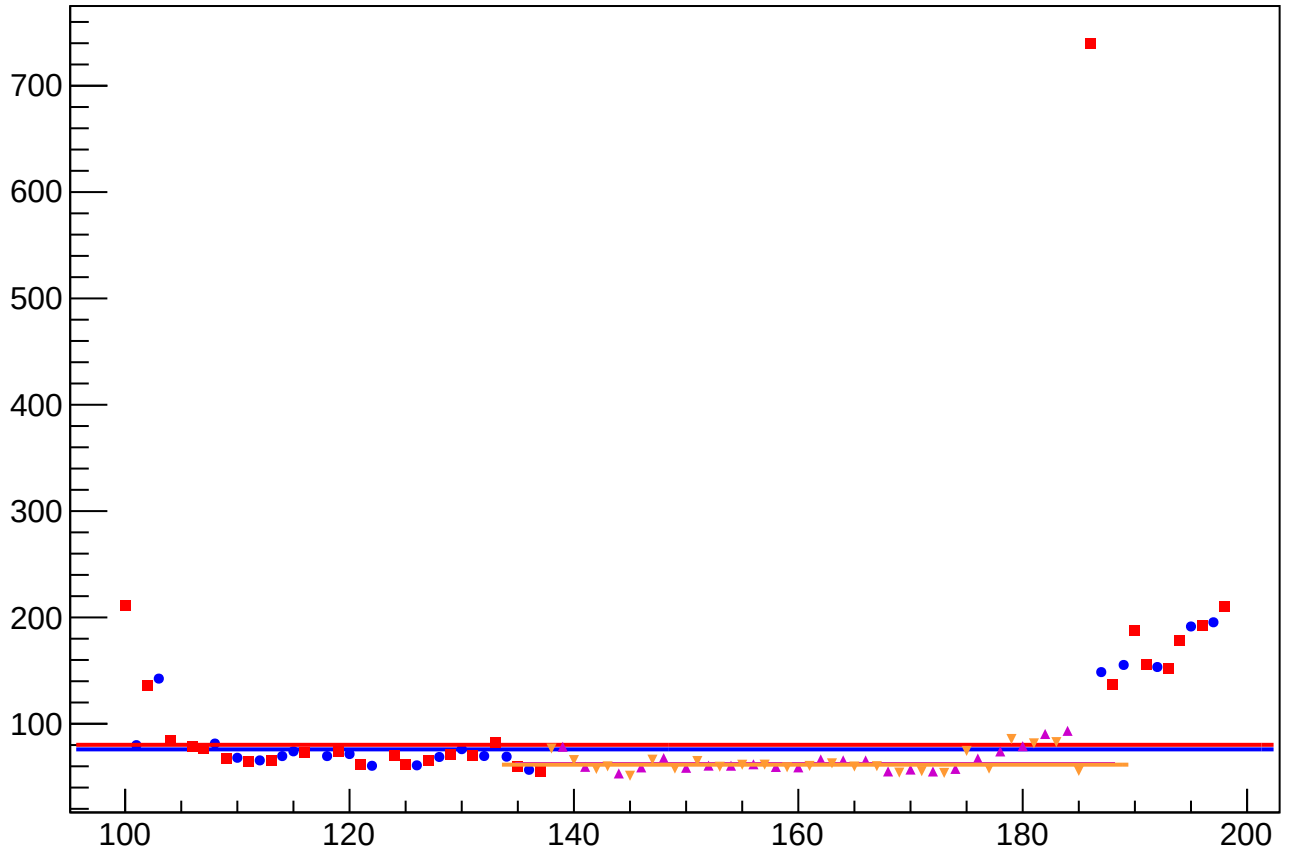
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: 23.994+/-17.729 χ^2/NDF: 54.6/47

In: 44.283+/-12.710 χ^2/NDF:56.6/43

Out: 44.054+/-12.325 χ^2/NDF:64.8/51

All: 44.165+/-8.848 χ^2/NDF: 121.4/95



Right In: 75.919+/-0.018 χ^2/NDF: 2729986.4/20

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 80.214+/-0.018 χ^2/NDF: 4225111.8/26

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

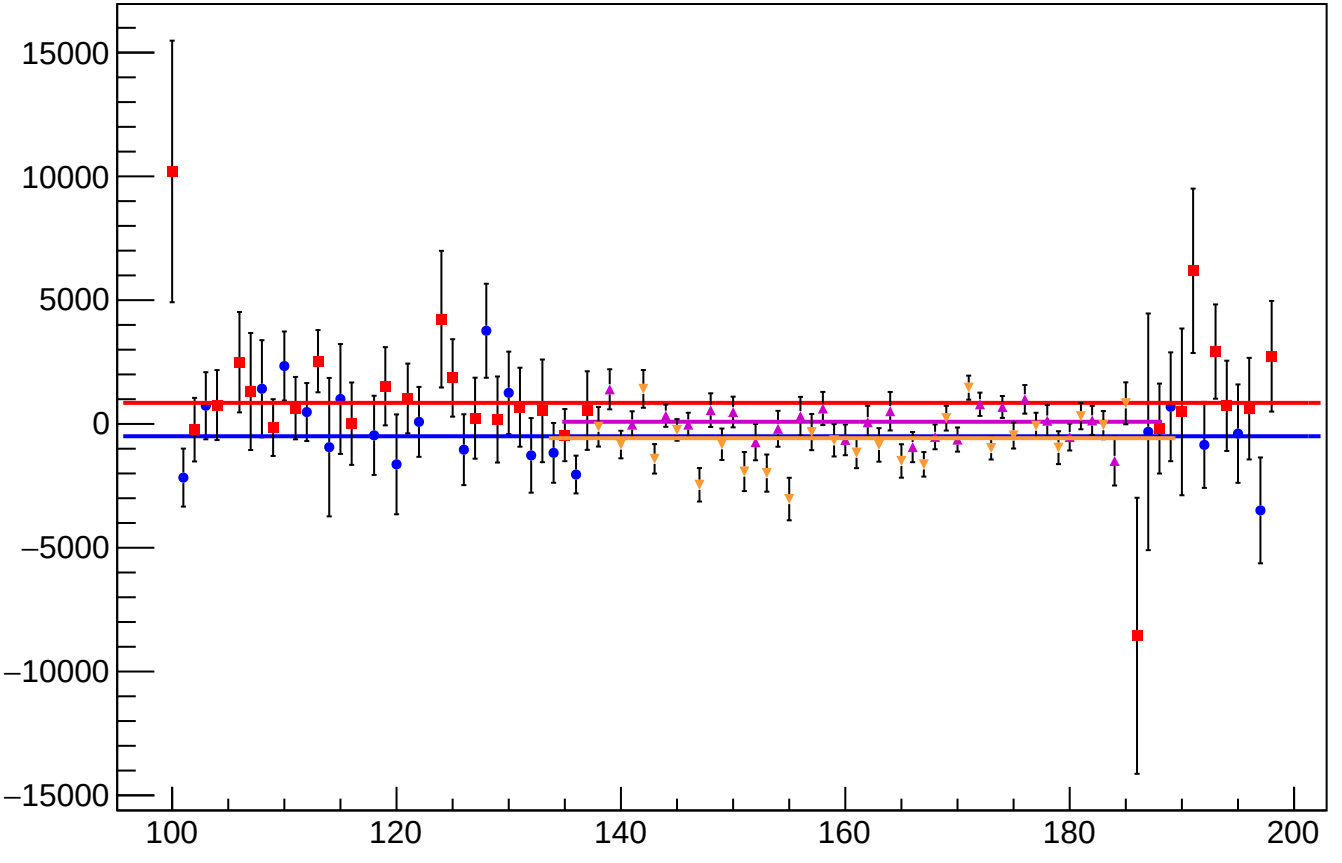
Right: 78.093+/-0.013 χ^2/NDF: 6984436.8/47

In: 65.641+/-0.009 χ^2/NDF:3771698.8/43

Out: 66.111+/-0.009 χ^2/NDF:5710844.7/51

All: 65.883+/-0.006 χ^2/NDF: 9483950.2/95

asym_sam_12345678_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -497.057+/-328.437 χ^2/NDF: 22.9/20

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: 851.655+/-323.564 χ^2/NDF: 19.1/26

Left In: 88.334+/-122.492 χ^2/NDF:24.6/22

Left: -250.787+/-85.624 χ^2/NDF: 108.4/47

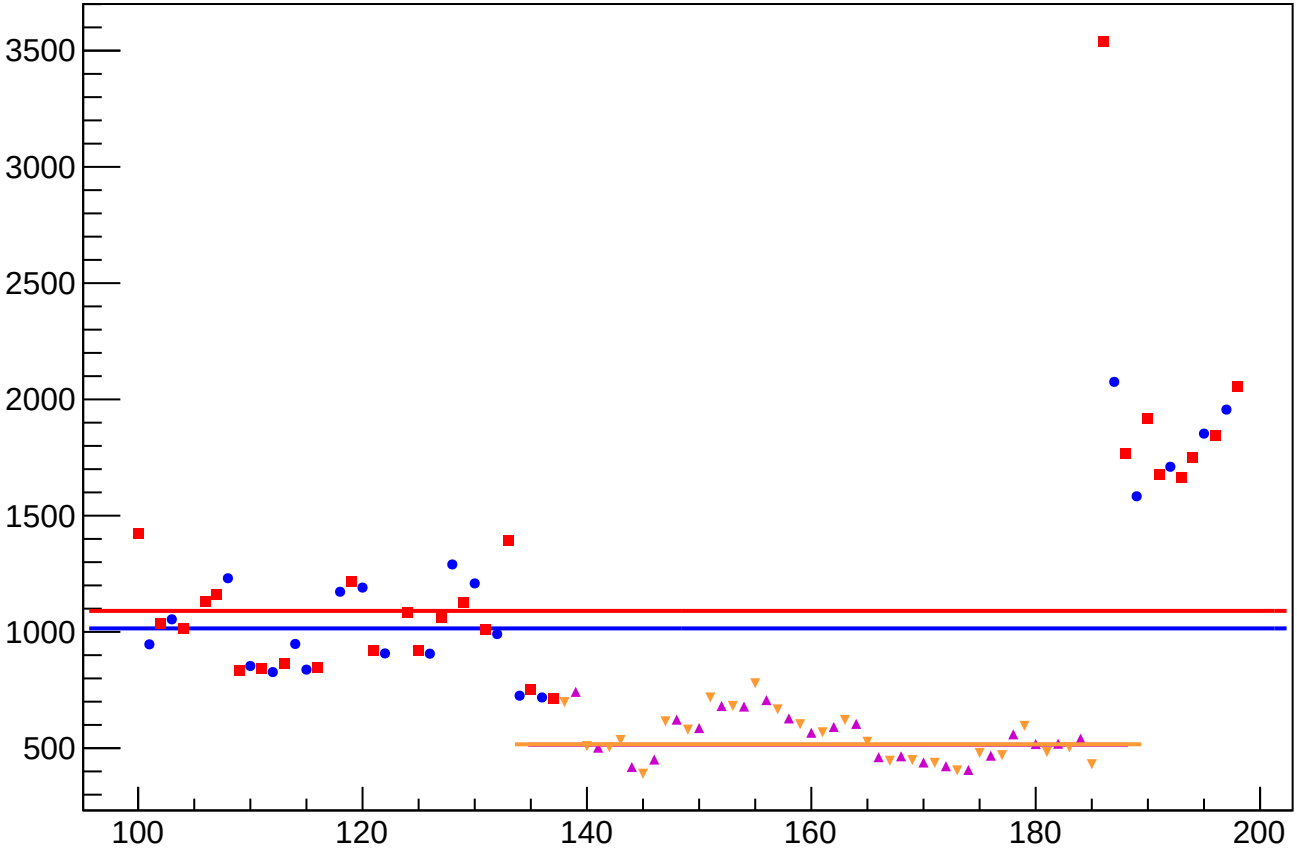
Right: 187.377+/-230.498 χ^2/NDF: 50.5/47

In: 16.851+/-114.770 χ^2/NDF:50.3/43

Out: -403.005+/-112.294 χ^2/NDF:104.9/51

All: -197.655+/-80.265 χ^2/NDF: 162.0/95

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1015.095+/-0.232 χ^2/NDF: 1965709.2/20

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1090.418+/-0.229 χ^2/NDF: 2676781.9/26

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

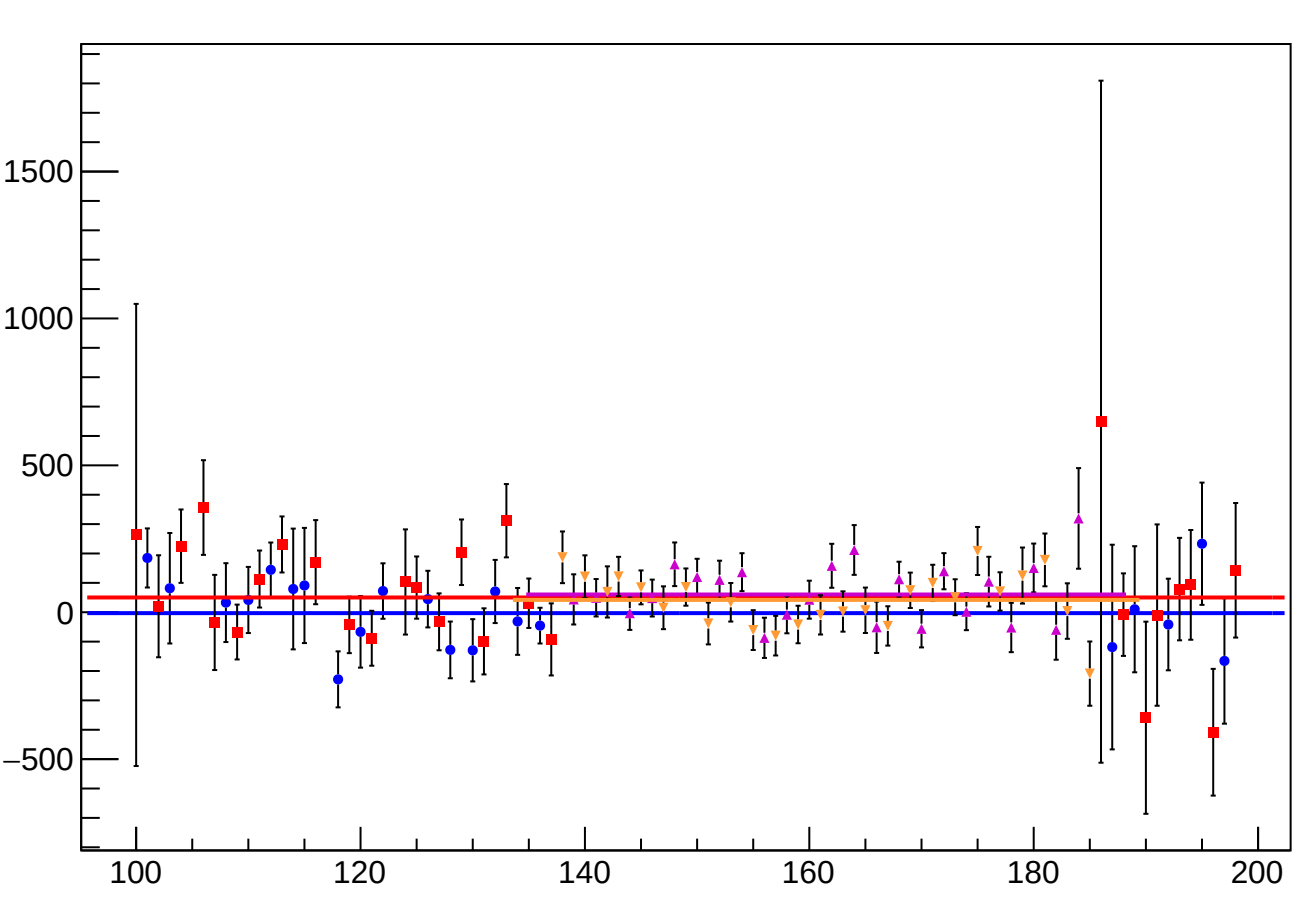
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 1053.320+/-0.163 χ^2/NDF: 4695873.3/47

In: 575.875+/-0.081 χ^2/NDF:7160438.6/43

Out: 585.745+/-0.079 χ^2/NDF:9473748.1/51

All: 580.918+/-0.057 χ^2/NDF: 16641744.2/95



Right In: -3.026+/-25.226 χ^2/NDF: 19.7/20

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 50.249+/-24.922 χ^2/NDF: 32.6/26

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

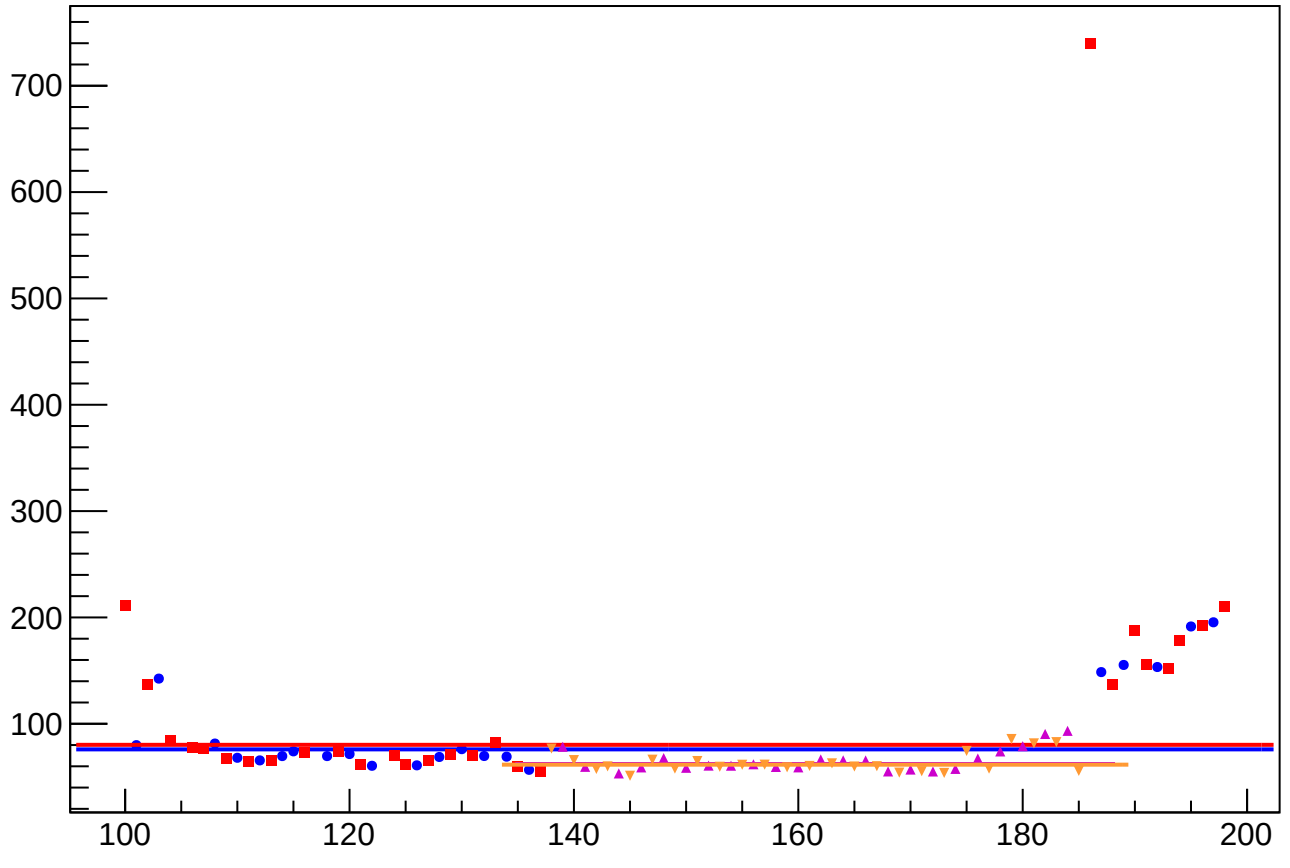
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 23.934+/-17.729 χ^2/NDF: 54.6/47

In: 44.282+/-12.710 χ^2/NDF:56.6/43

Out: 44.031+/-12.325 χ^2/NDF:64.7/51

All: 44.152+/-8.848 χ^2/NDF: 121.3/95



Right In: 75.919+/-0.018 χ^2/NDF: 2729989.5/20

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 80.197+/-0.018 χ^2/NDF: 4225643.3/26

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

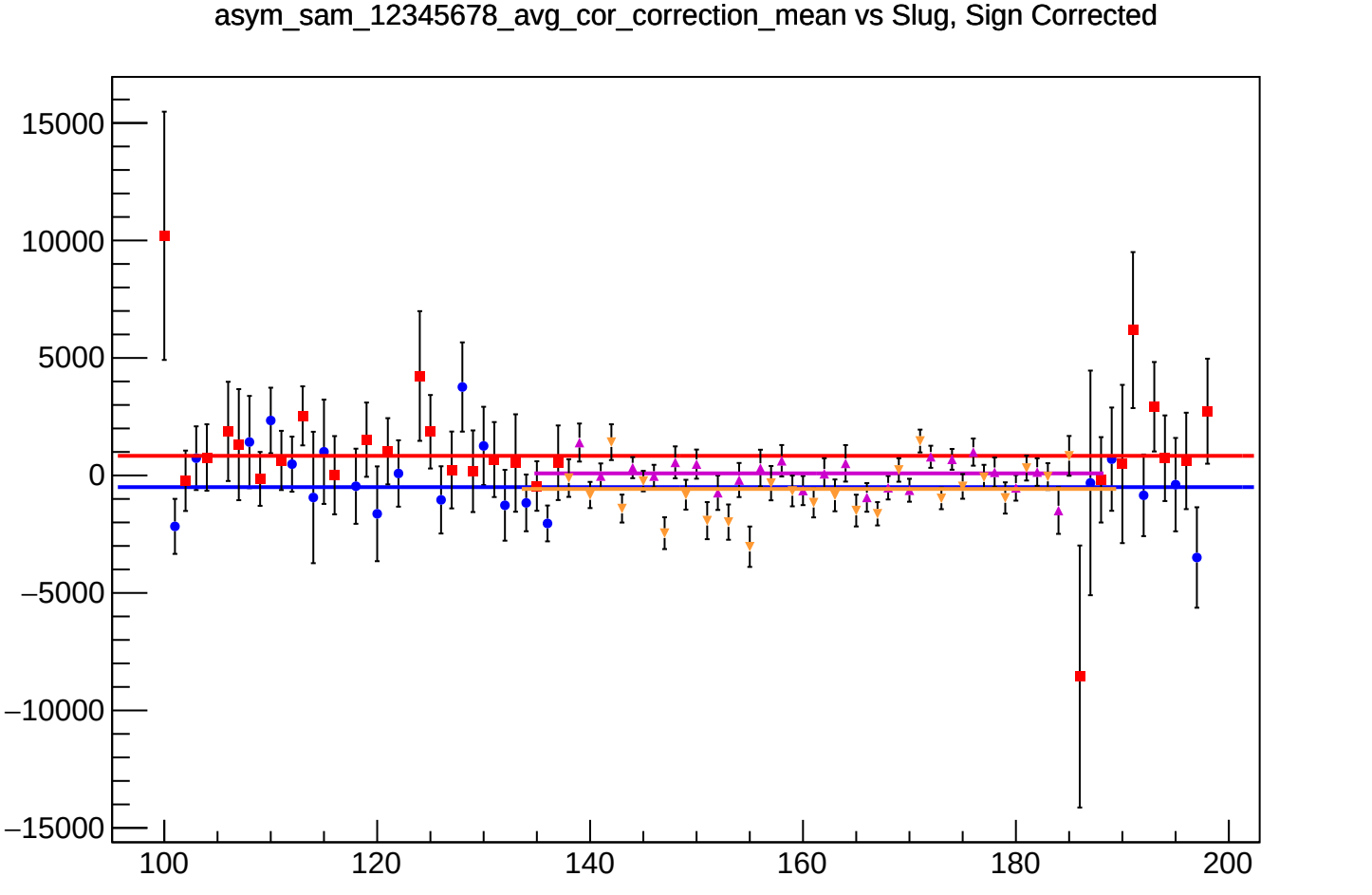
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 78.084+/-0.013 χ^2/NDF: 6984746.4/47

In: 65.641+/-0.009 χ^2/NDF:3771701.9/43

Out: 66.106+/-0.009 χ^2/NDF:5709839.5/51

All: 65.881+/-0.006 χ^2/NDF: 9482922.5/95



Right In: -497.032+/-328.438 χ^2/NDF: 22.9/20

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 834.242+/-323.900 χ^2/NDF: 18.6/26

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

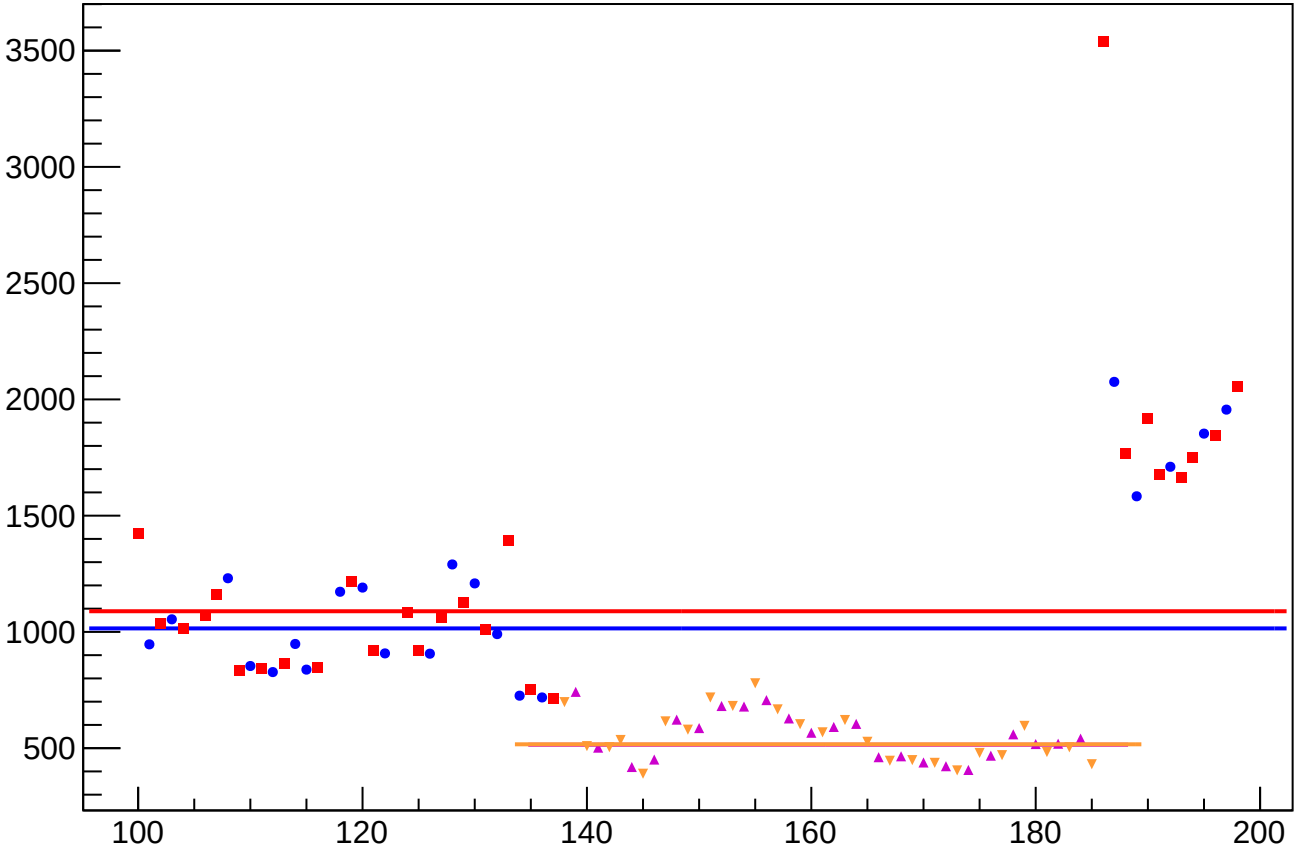
Right: 177.866+/-230.619 χ^2/NDF: 49.8/47

In: 16.854+/-114.770 χ^2/NDF:50.3/43

Out: -405.405+/-112.308 χ^2/NDF:104.1/51

All: -198.853+/-80.270 χ^2/NDF: 161.2/95

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1015.099+/-0.232 χ^2/NDF: 1965718.3/20

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1088.914+/-0.229 χ^2/NDF: 2675985.0/26

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

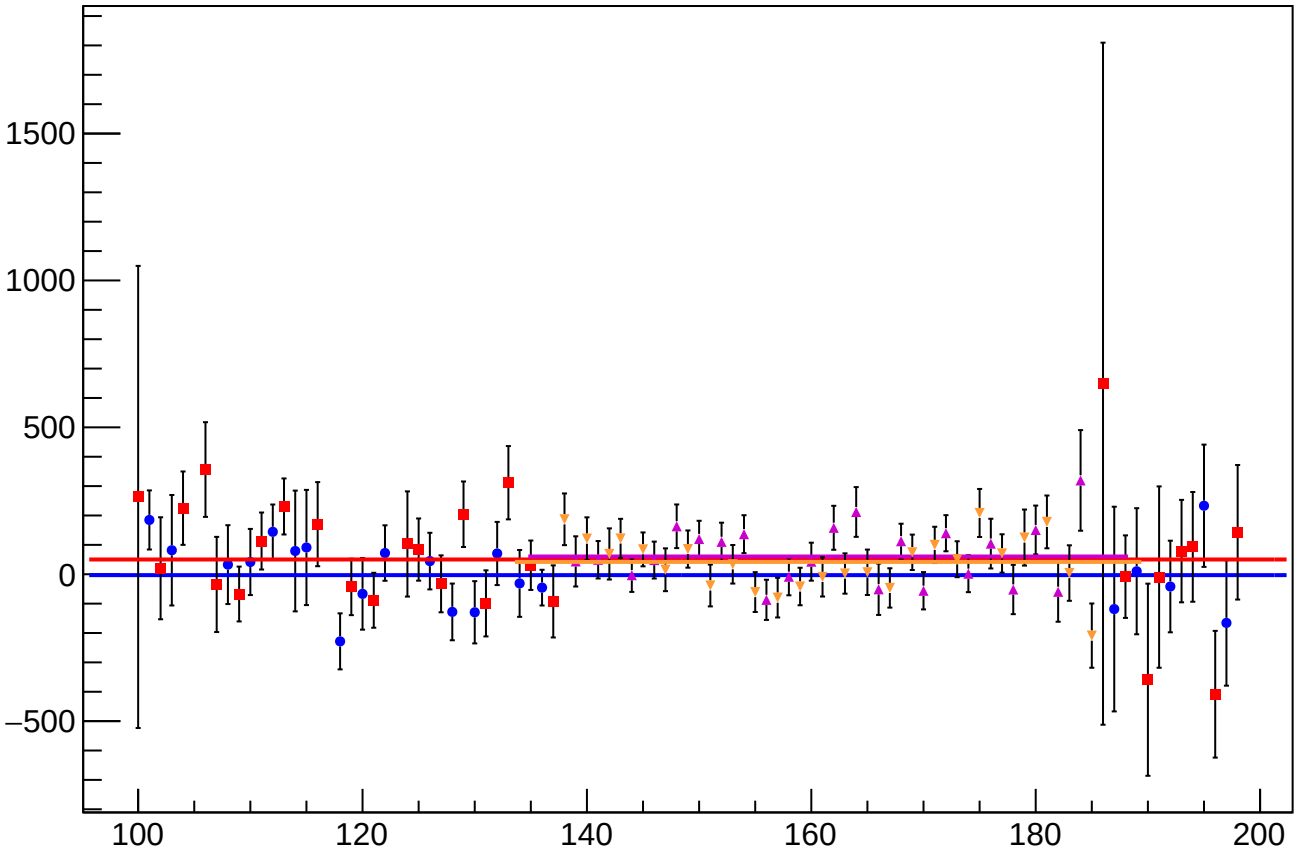
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1052.520+/-0.163 χ^2/NDF: 4692916.4/47

In: 575.875+/-0.081 χ^2/NDF:7160480.4/43

Out: 585.438+/-0.079 χ^2/NDF:9433969.9/51

All: 580.760+/-0.057 χ^2/NDF: 16601544.0/95



Right In: -3.026+/-25.226 χ^2/NDF: 19.7/20

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 50.249+/-24.922 χ^2/NDF: 32.6/26

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

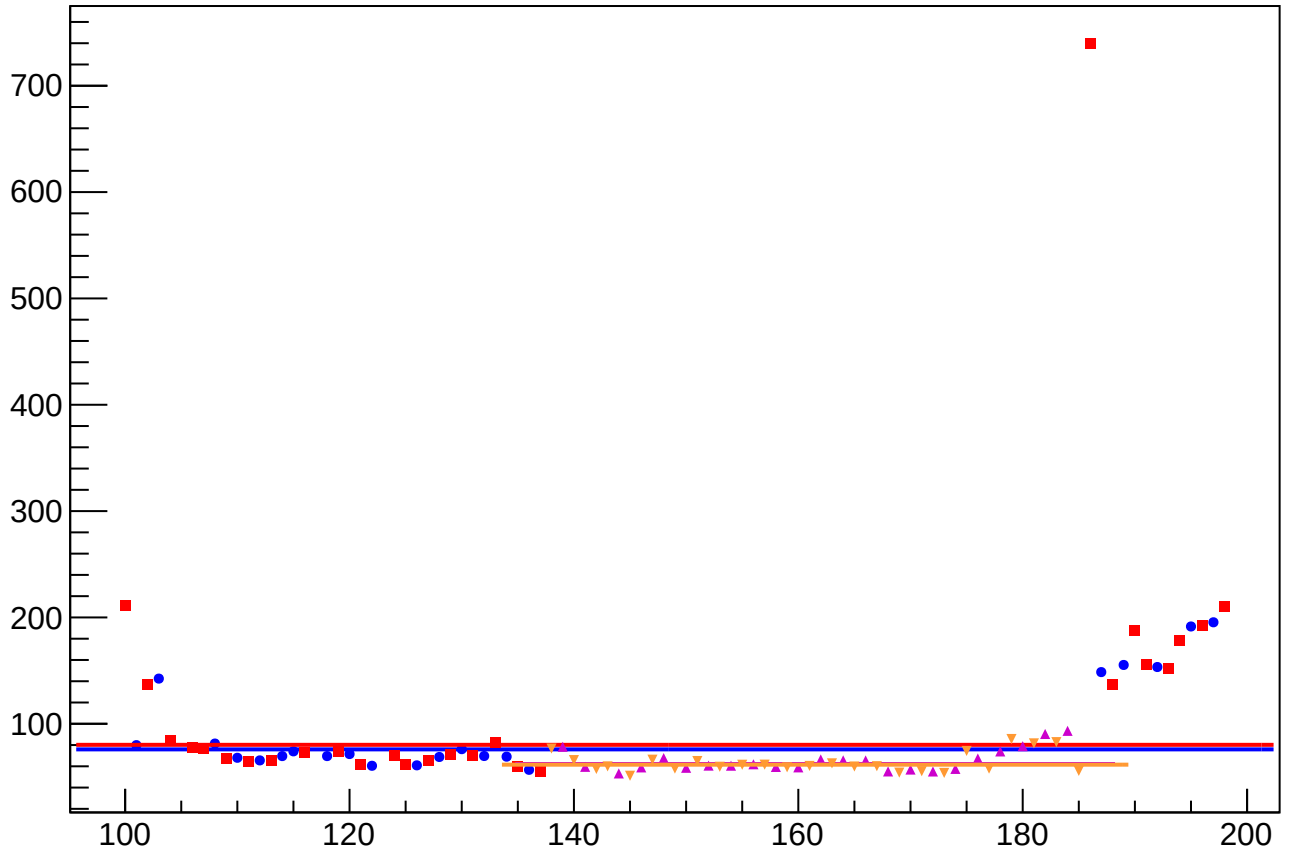
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 23.934+/-17.729 χ^2/NDF: 54.6/47

In: 44.282+/-12.710 χ^2/NDF:56.6/43

Out: 44.031+/-12.325 χ^2/NDF:64.7/51

All: 44.152+/-8.848 χ^2/NDF: 121.3/95



Right In: 75.919+/-0.018 χ^2/NDF: 2729989.5/20

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 80.197+/-0.018 χ^2/NDF: 4225643.3/26

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

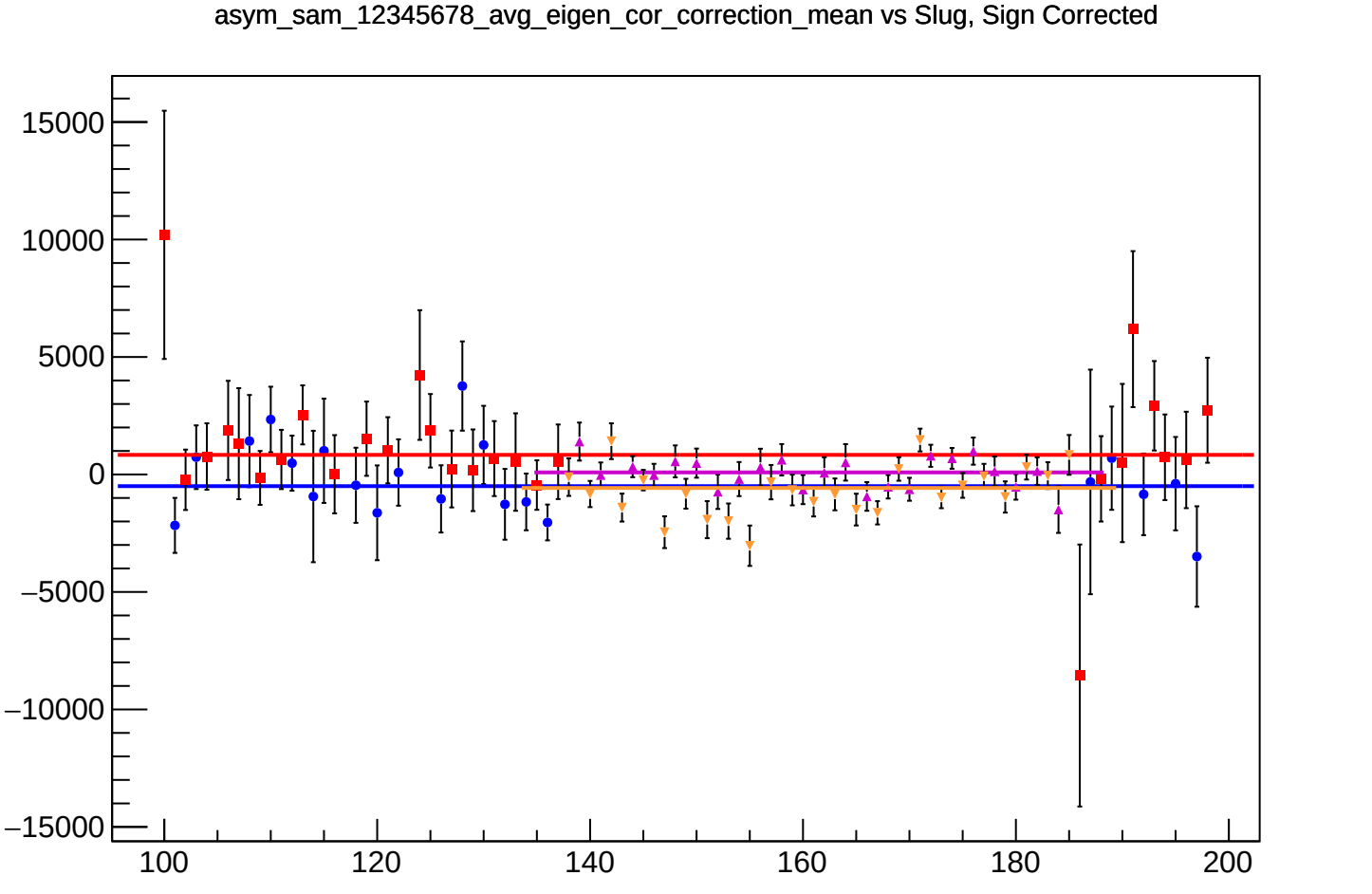
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 78.084+/-0.013 χ^2/NDF: 6984746.4/47

In: 65.641+/-0.009 χ^2/NDF:3771701.9/43

Out: 66.106+/-0.009 χ^2/NDF:5709839.5/51

All: 65.881+/-0.006 χ^2/NDF: 9482922.5/95



Right In: -497.032+/-328.438 χ^2/NDF: 22.9/20

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 834.242+/-323.900 χ^2/NDF: 18.6/26

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

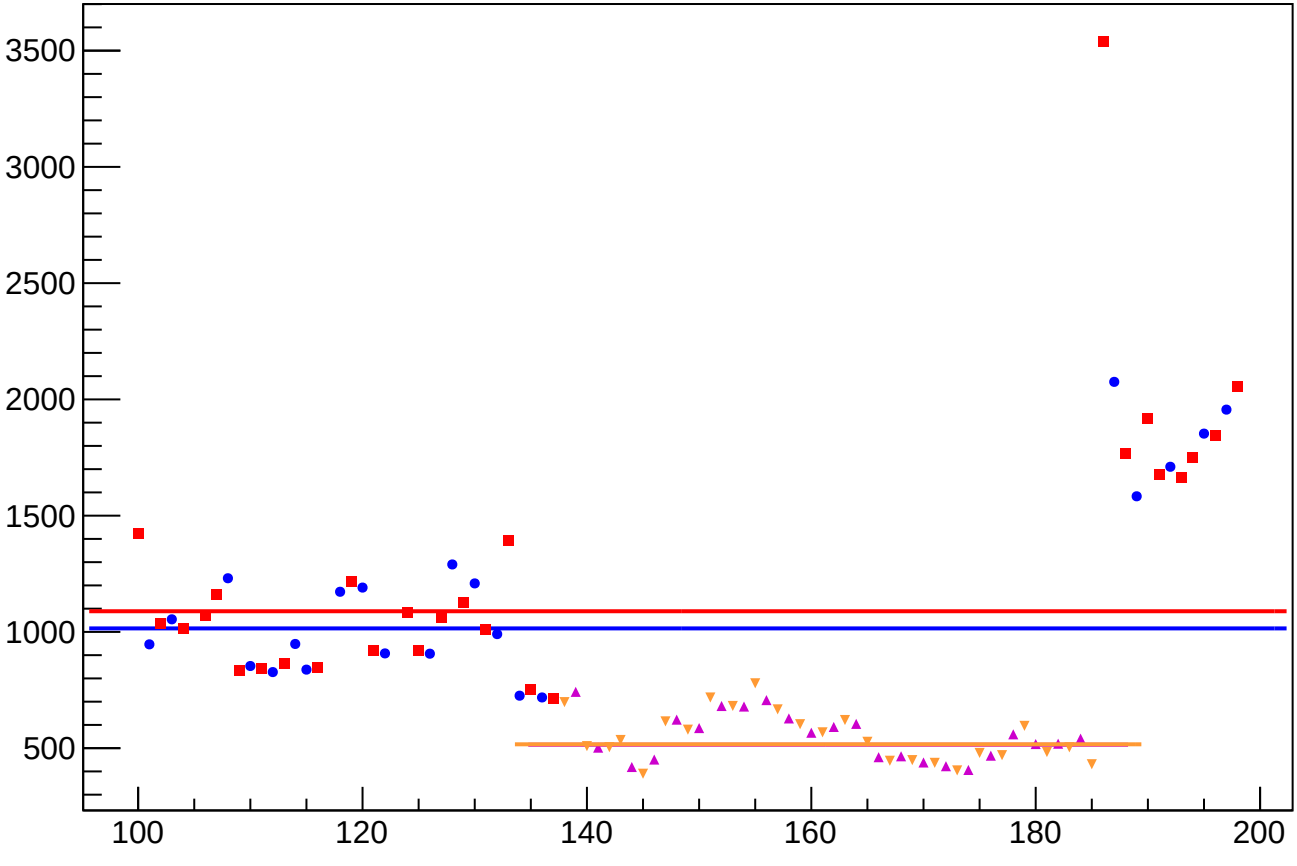
Right: 177.866+/-230.619 χ^2/NDF: 49.8/47

In: 16.854+/-114.770 χ^2/NDF:50.3/43

Out: -405.405+/-112.308 χ^2/NDF:104.1/51

All: -198.853+/-80.270 χ^2/NDF: 161.2/95

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1015.099+/-0.232 χ^2/NDF: 1965718.3/20

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1088.914+/-0.229 χ^2/NDF: 2675985.0/26

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

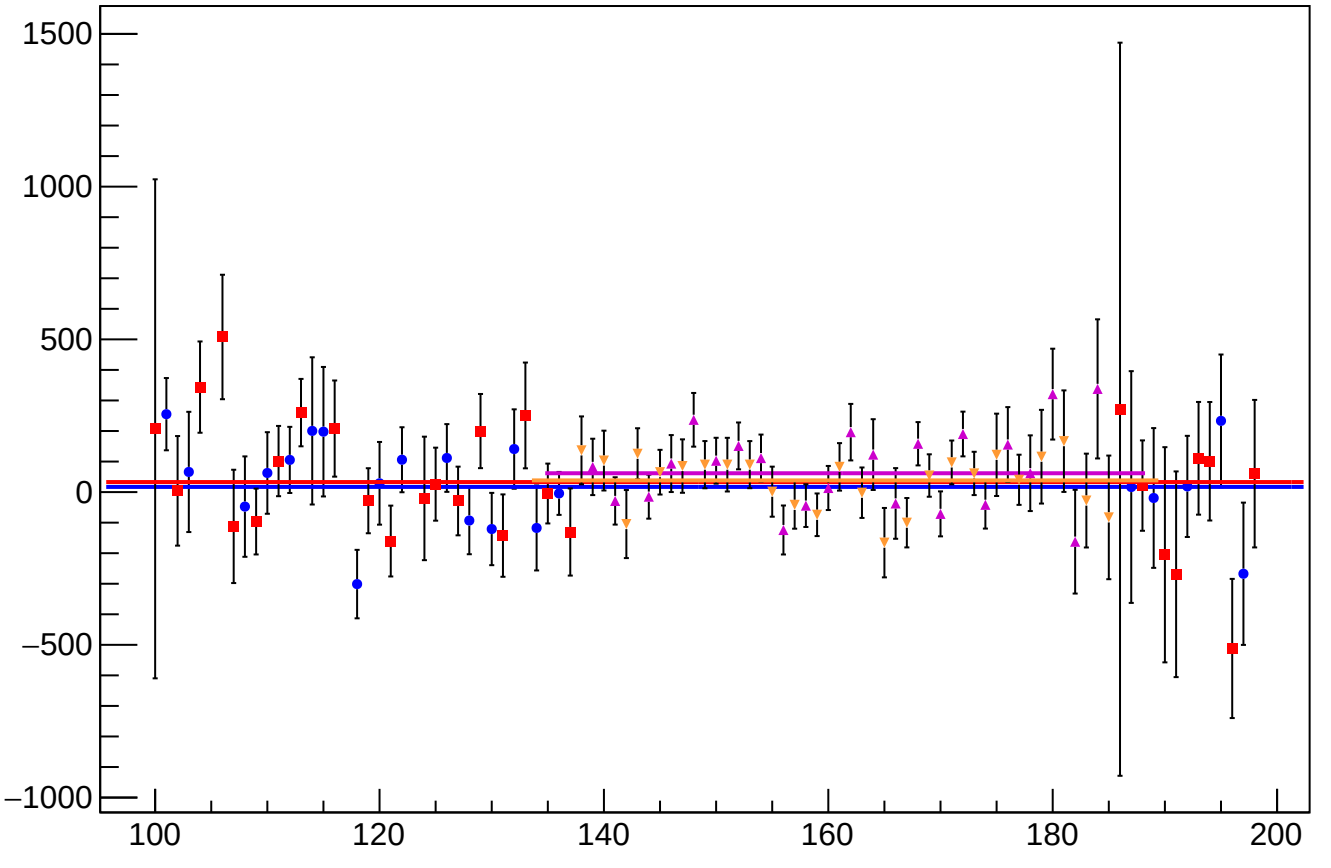
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1052.520+/-0.163 χ^2/NDF: 4692916.4/47

In: 575.875+/-0.081 χ^2/NDF:7160480.4/43

Out: 585.438+/-0.079 χ^2/NDF:9433969.9/51

All: 580.760+/-0.057 χ^2/NDF: 16601544.0/95



Right In: 16.983+/-29.012 χ^2/NDF: 22.6/20

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: 32.890+/-28.675 χ^2/NDF: 35.2/26

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

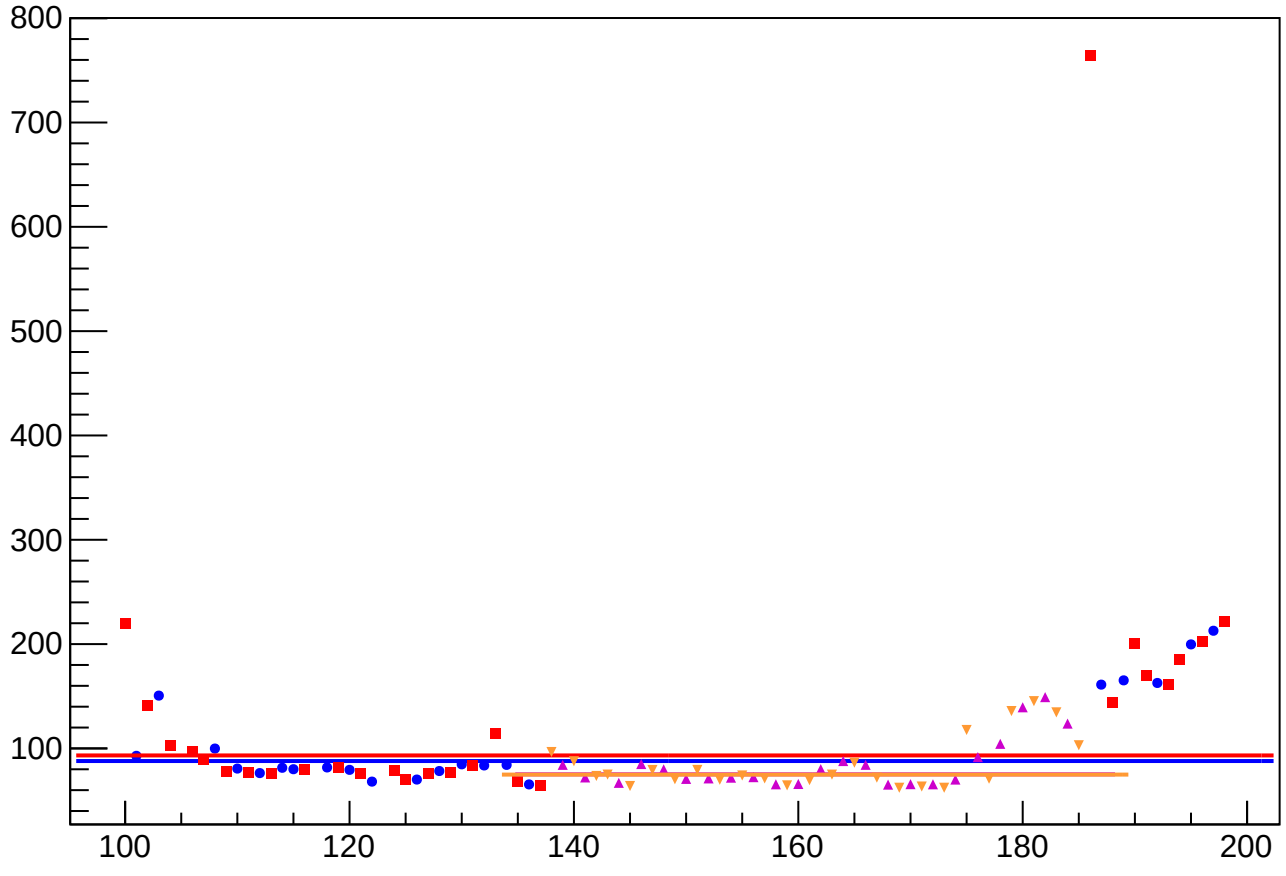
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 25.030+/-20.394 χ^2/NDF: 58.0/47

In: 49.097+/-15.412 χ^2/NDF:61.1/43

Out: 36.798+/-15.043 χ^2/NDF:54.0/51

All: 42.798+/-10.765 χ^2/NDF: 115.4/95



Right In: 87.908+/-0.021 χ^2/NDF: 2423867.2/20

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 93.275+/-0.020 χ^2/NDF: 3728148.5/26

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

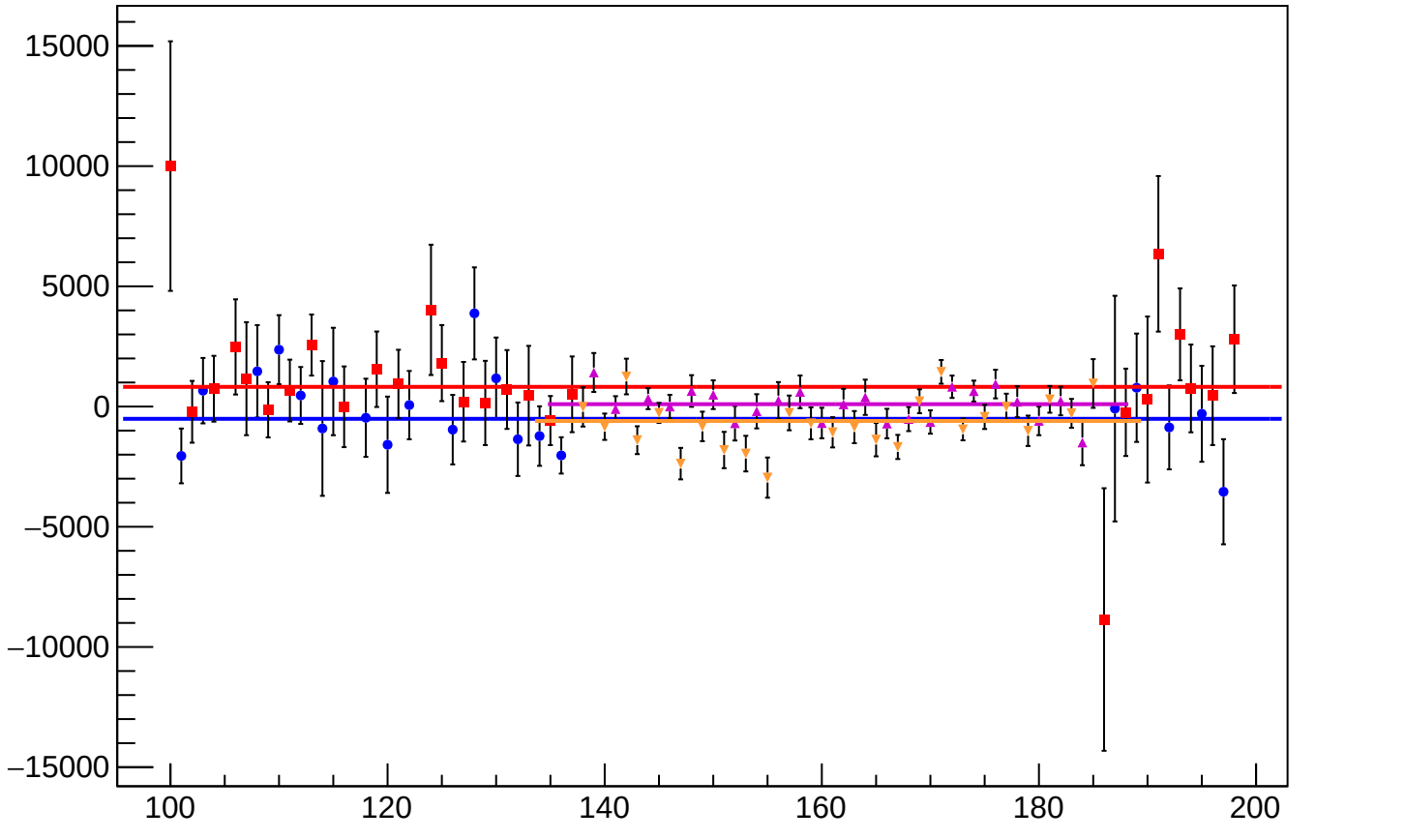
Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

Right: 90.623+/-0.014 χ^2/NDF: 6186625.6/47

In: 78.755+/-0.011 χ^2/NDF:4013791.0/43

Out: 79.959+/-0.011 χ^2/NDF:5984735.5/51

All: 79.371+/-0.008 χ^2/NDF: 10004779.4/95



Right In: -510.290+/-329.857 χ^2/NDF: 22.6/20

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: 818.914+/-323.233 χ^2/NDF: 20.1/26

Left In: 99.102+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

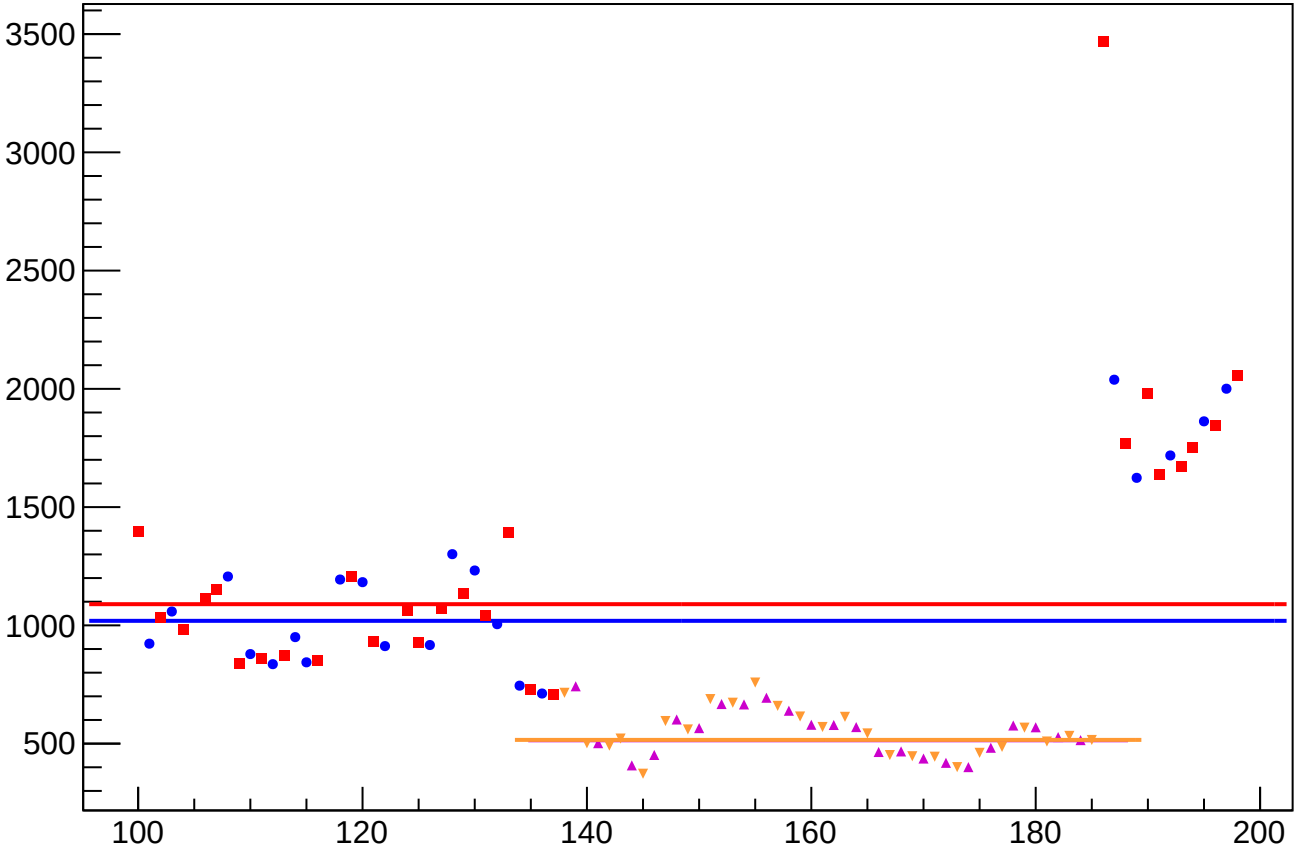
Right: 167.792+/-230.867 χ^2/NDF: 51.0/47

In: 25.443+/-114.680 χ^2/NDF:49.3/43

Out: -428.793+/-111.940 χ^2/NDF:102.1/51

All: -207.167+/-80.105 χ^2/NDF: 159.5/95

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1019.156+/-0.233 χ^2/NDF: 1996802.6/20

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1089.598+/-0.229 χ^2/NDF: 2699681.0/26

Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

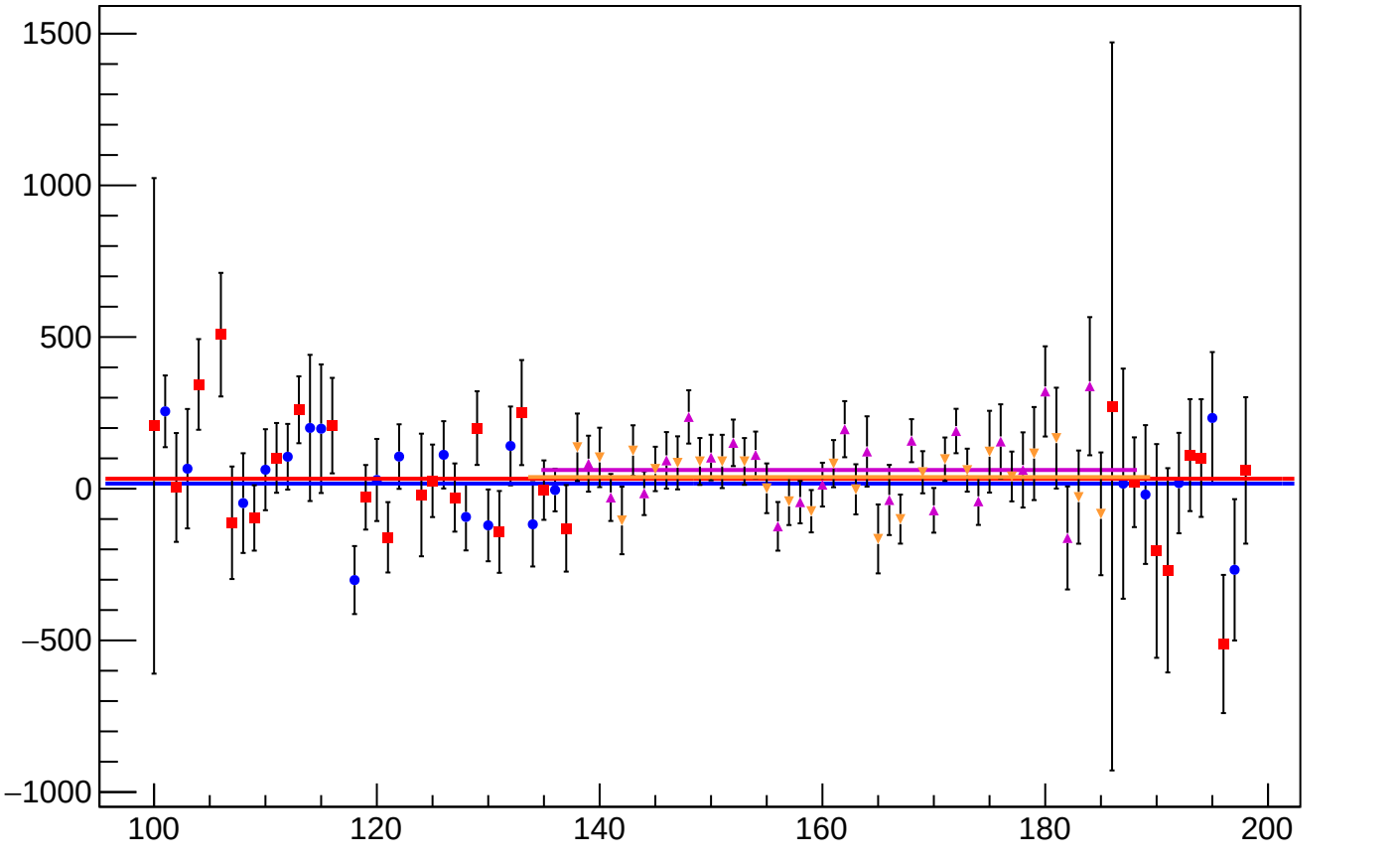
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

Right: 1055.091+/-0.163 χ^2/NDF: 4743014.3/47

In: 575.137+/-0.081 χ^2/NDF:7235900.2/43

Out: 584.583+/-0.079 χ^2/NDF:9479573.4/51

All: 579.974+/-0.057 χ^2/NDF: 16722423.4/95



Right In: 16.983+/-29.012 χ^2/NDF: 22.6/20

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: 32.888+/-28.675 χ^2/NDF: 35.2/26

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

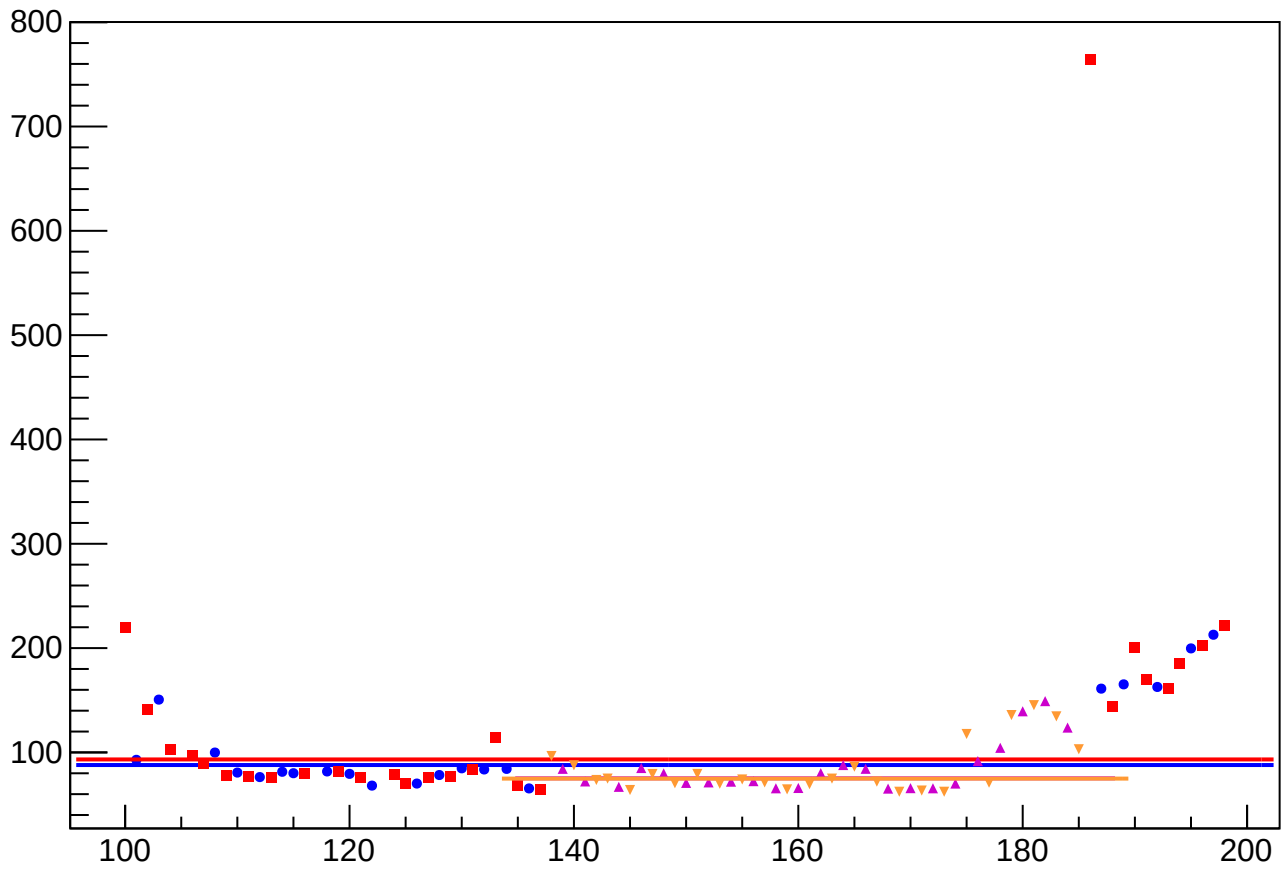
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 25.029+/-20.394 χ^2/NDF: 58.0/47

In: 49.097+/-15.412 χ^2/NDF:61.1/43

Out: 36.797+/-15.043 χ^2/NDF:54.0/51

All: 42.798+/-10.765 χ^2/NDF: 115.4/95



Right In: 87.908+/-0.021 χ^2/NDF: 2423870.4/20

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

Right Out: 93.274+/-0.020 χ^2/NDF: 3728168.1/26

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

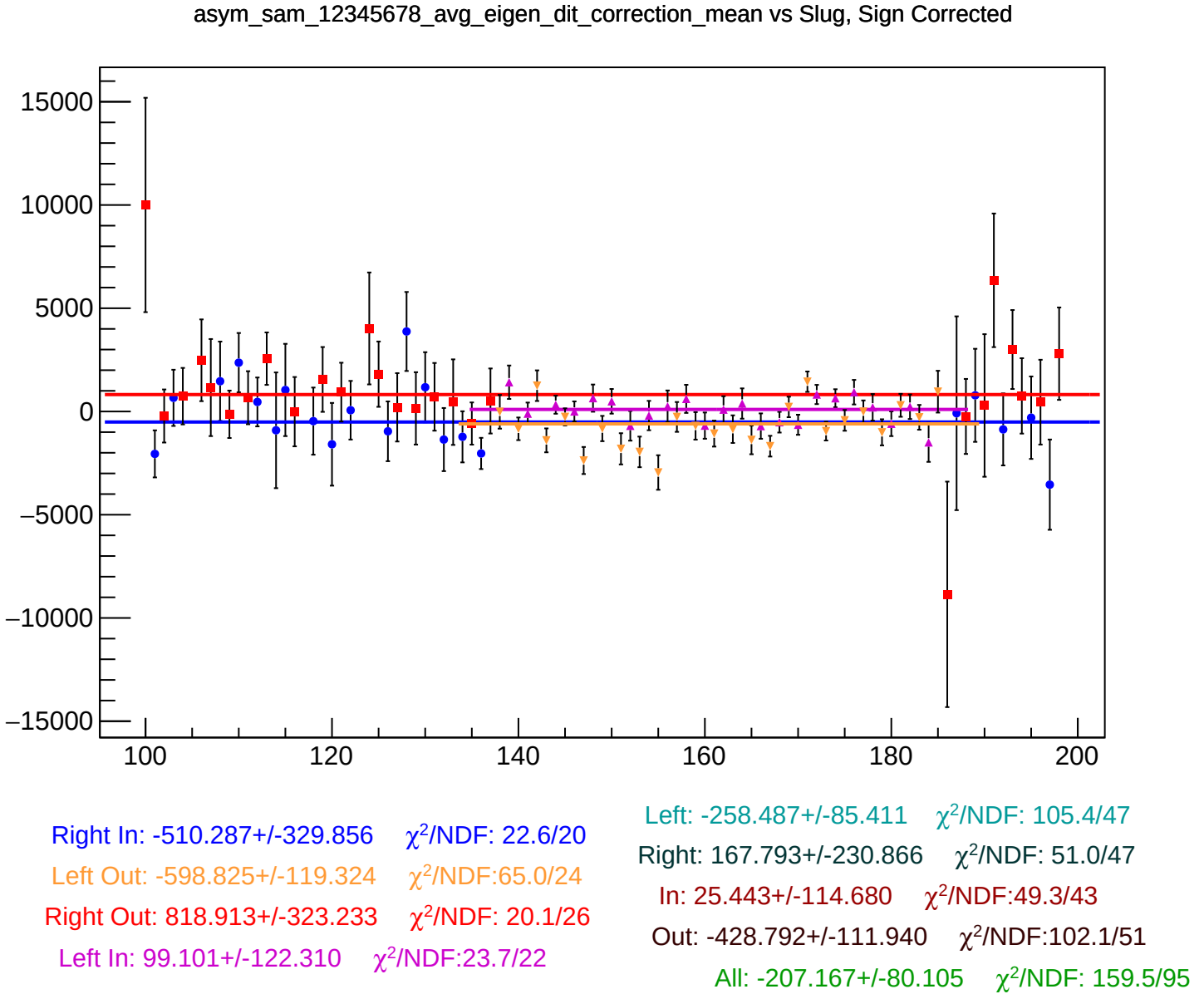
Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

Right: 90.623+/-0.014 χ^2/NDF: 6186649.3/47

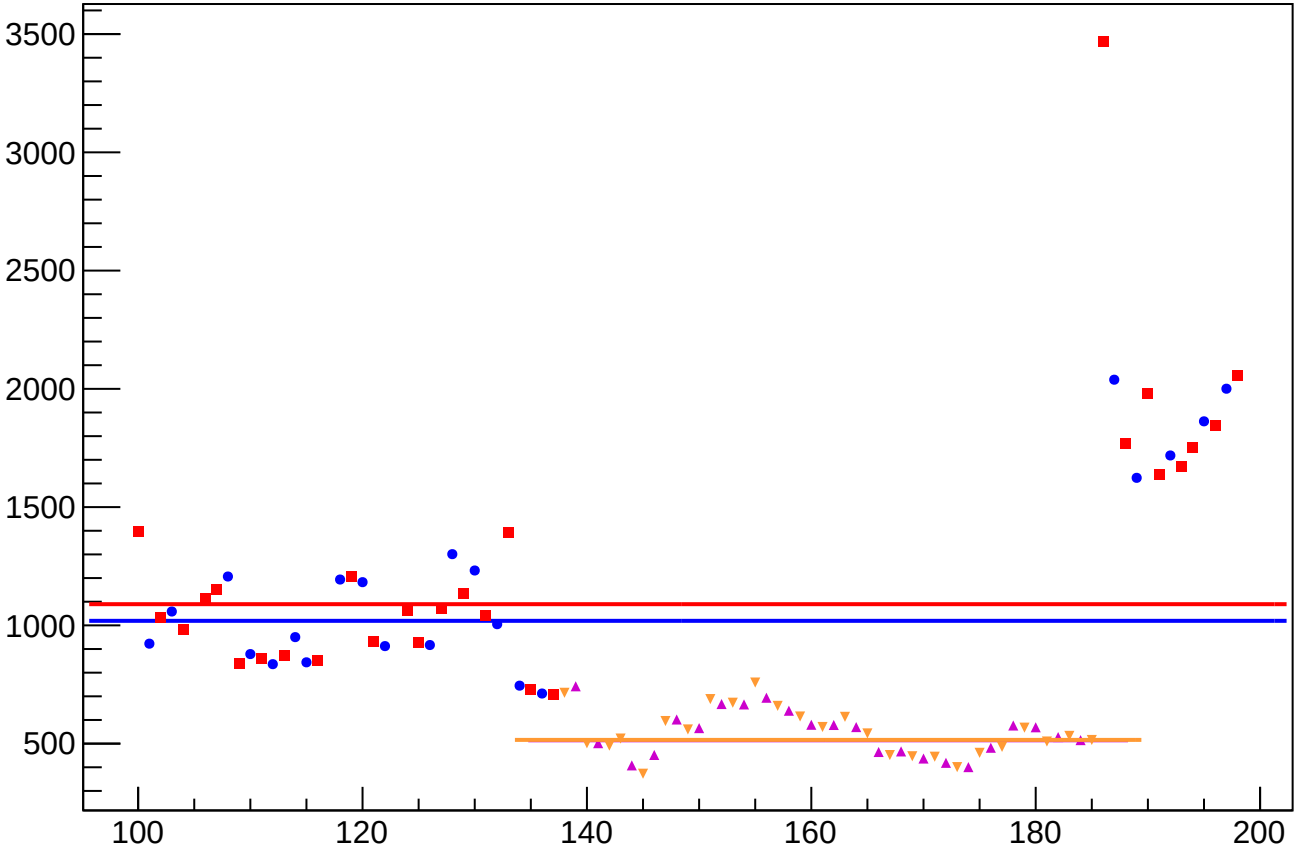
In: 78.755+/-0.011 χ^2/NDF:4013757.3/43

Out: 79.959+/-0.011 χ^2/NDF:5984726.3/51

All: 79.371+/-0.008 χ^2/NDF: 10004736.4/95


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: -510.287+/-329.856 χ²/NDF: 22.6/20
Left Out: -598.825+/-119.324 χ²/NDF:65.0/24
Right Out: 818.913+/-323.233 χ²/NDF: 20.1/26
Left In: 99.101+/-122.310 χ²/NDF:23.7/22
Left: -258.487+/-85.411 χ²/NDF: 105.4/47
Right: 167.793+/-230.866 χ²/NDF: 51.0/47
In: 25.443+/-114.680 χ²/NDF:49.3/43
Out: -428.792+/-111.940 χ²/NDF:102.1/51
All: -207.167+/-80.105 χ²/NDF: 159.5/95

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1019.154+/-0.233 χ^2/NDF: 1996806.5/20

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1089.596+/-0.229 χ^2/NDF: 2699687.9/26

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

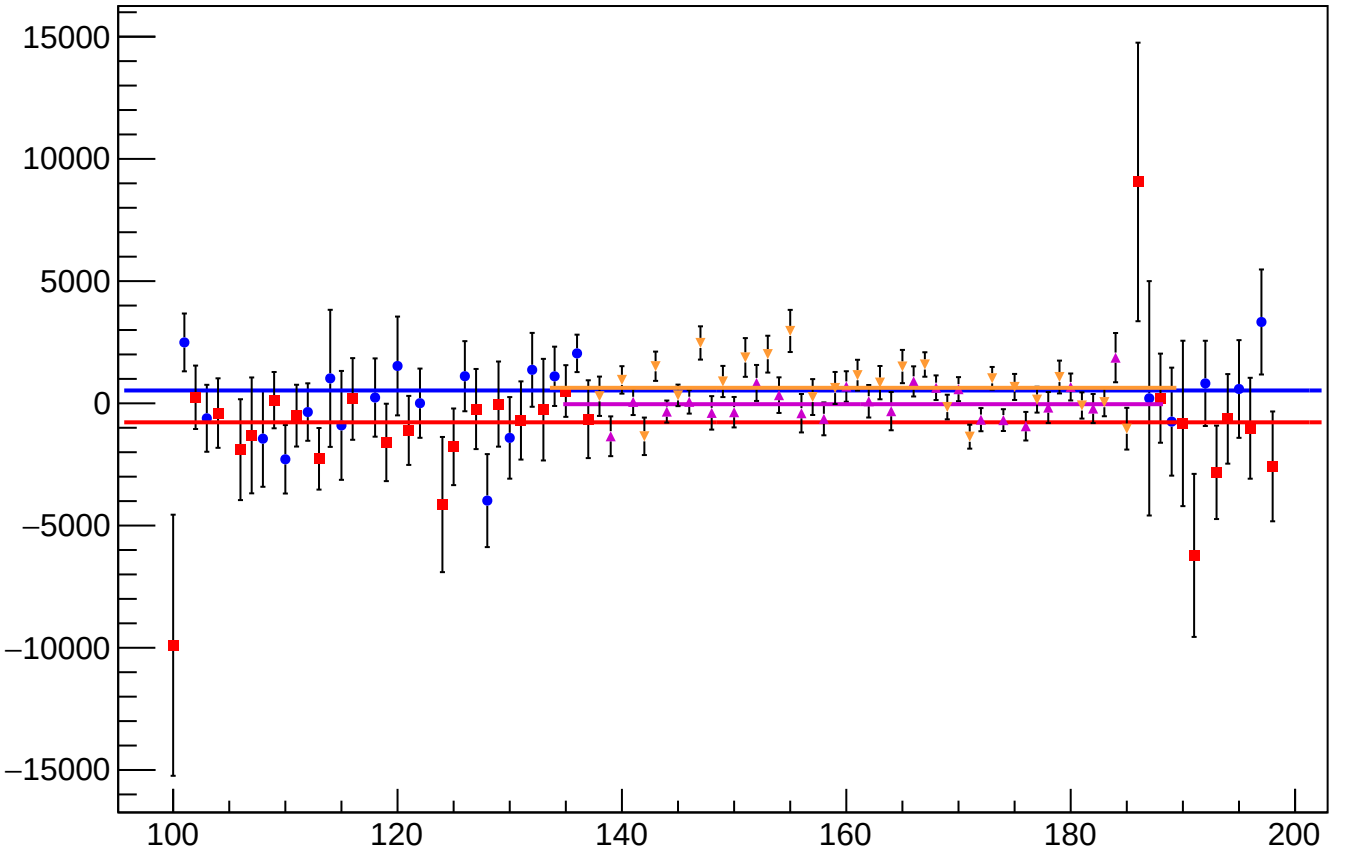
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 1055.089+/-0.163 χ^2/NDF: 4743024.8/47

In: 575.136+/-0.081 χ^2/NDF:7235897.2/43

Out: 584.582+/-0.079 χ^2/NDF:9479576.1/51

All: 579.973+/-0.057 χ^2/NDF: 16722423.0/95



Right In: 526.317+/-329.868 χ^2/NDF: 23.6/20

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: -776.307+/-324.956 χ^2/NDF: 18.1/26

Left In: -34.808+/-123.517 χ^2/NDF:25.1/22

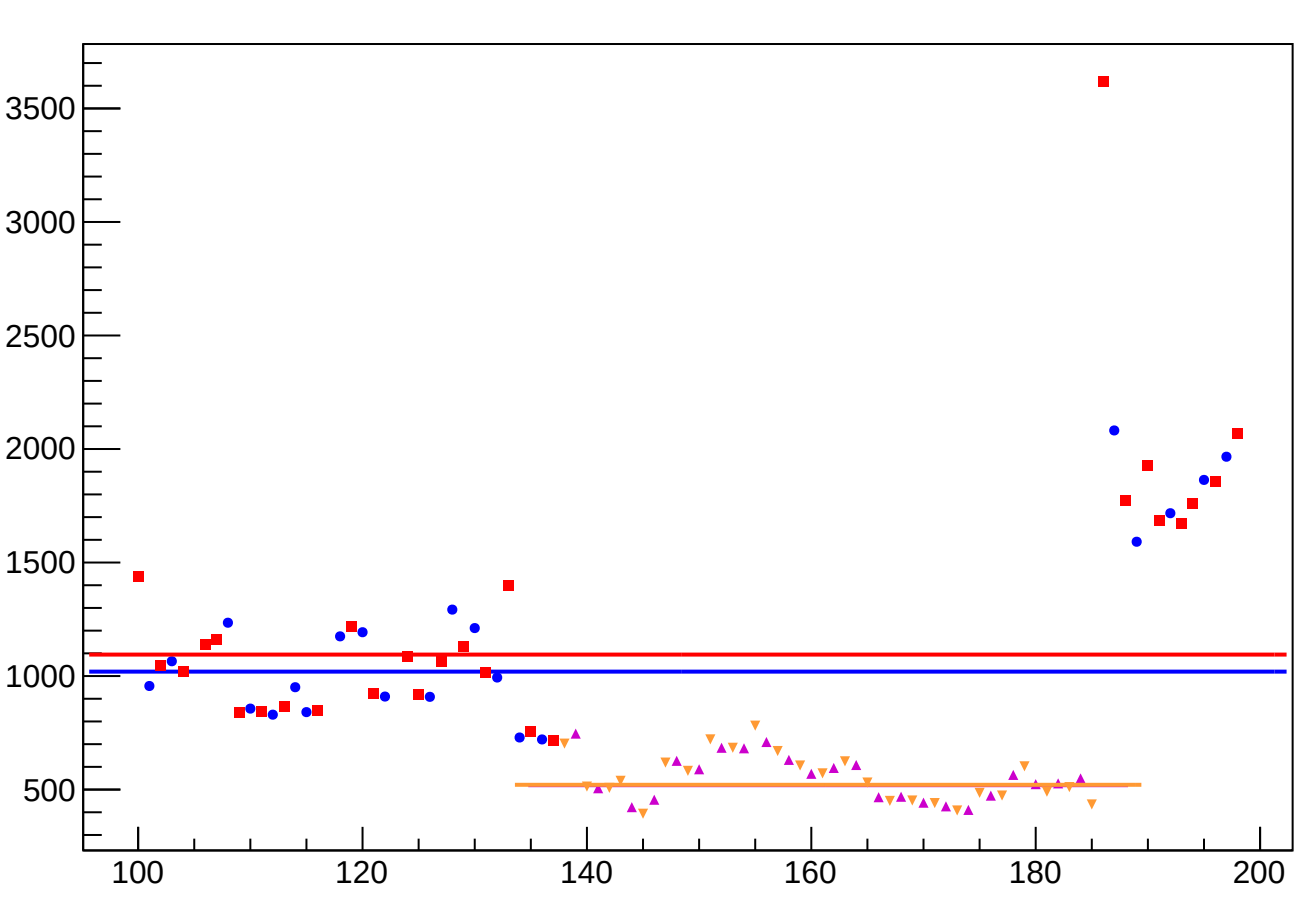
Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

Right: -134.766+/-231.496 χ^2/NDF: 49.6/47

In: 34.192+/-115.674 χ^2/NDF:51.2/43

Out: 463.664+/-113.161 χ^2/NDF:99.2/51

All: 253.644+/-80.891 χ^2/NDF: 157.5/95



Right In: 1019.488+/-0.233 χ^2/NDF: 1967288.2/20

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

Right Out: 1094.529+/-0.230 χ^2/NDF: 2689707.1/26

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

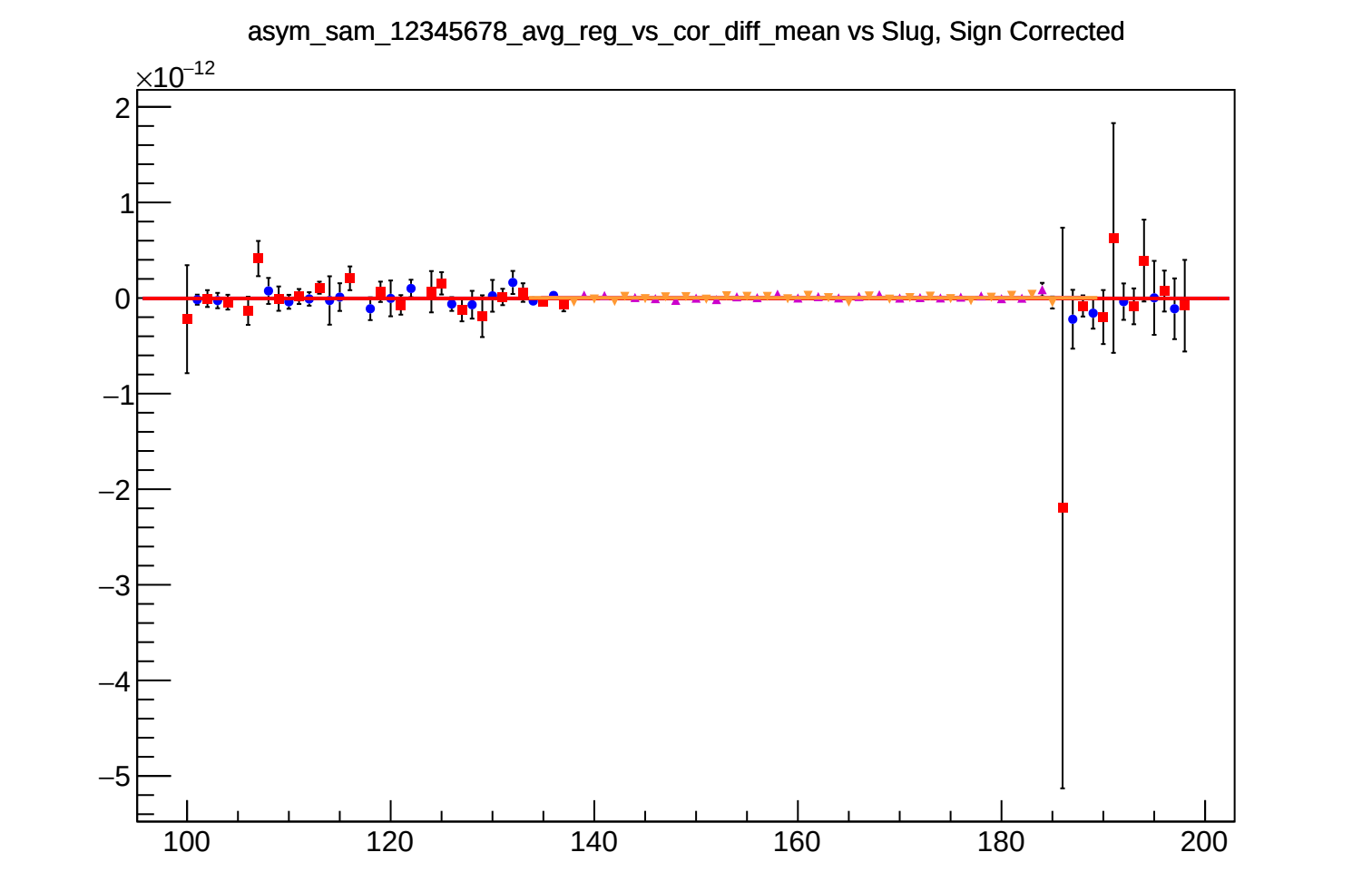
Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

Right: 1057.572+/-0.164 χ^2/NDF: 4709522.3/47

In: 580.754+/-0.082 χ^2/NDF:7101849.6/43

Out: 590.572+/-0.080 χ^2/NDF:9406783.4/51

All: 585.771+/-0.057 χ^2/NDF: 16515996.0/95



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/26

Left In: 0.000+/-0.000 χ^2/NDF:10.8/22

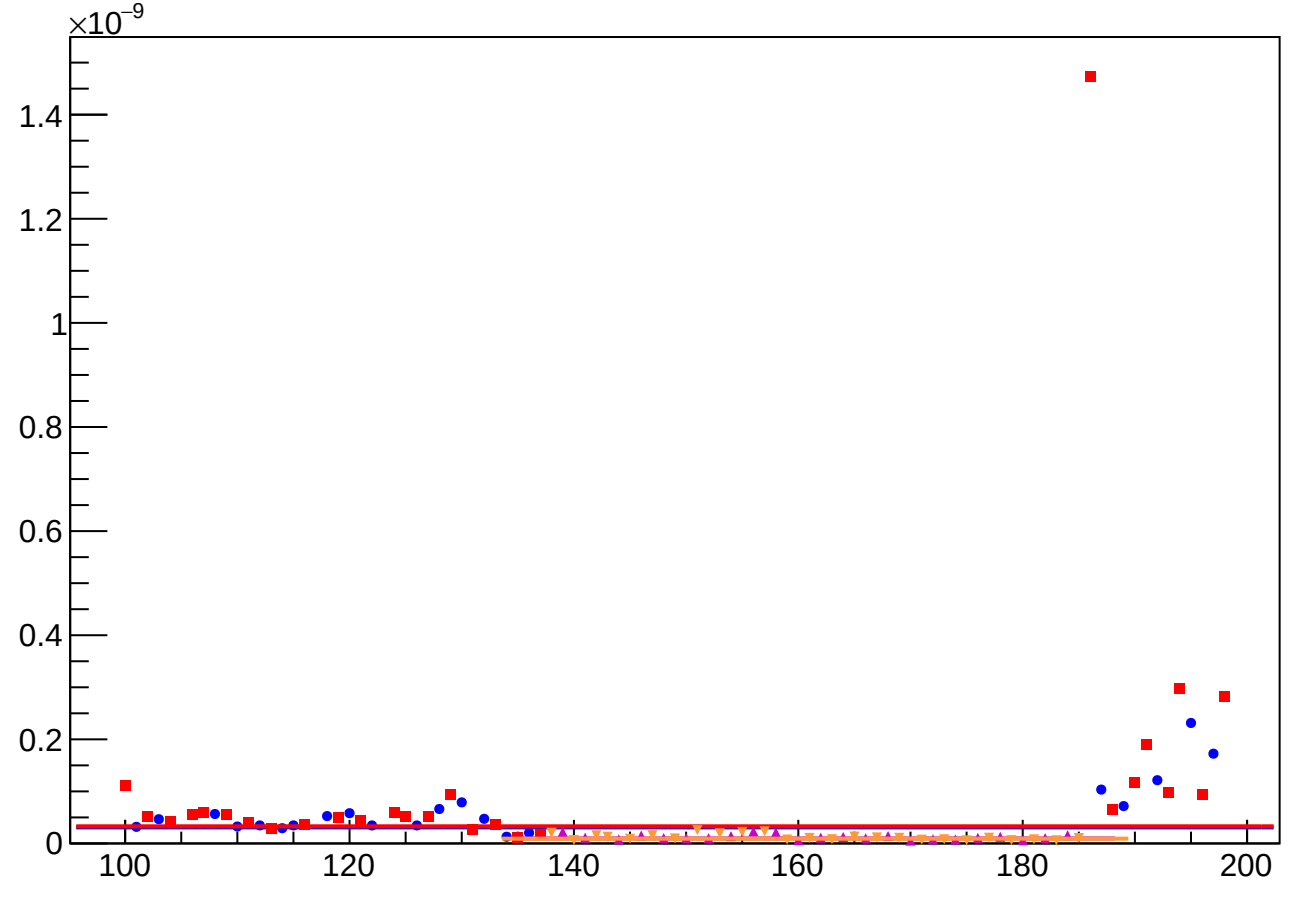
Left: 0.000+/-0.000 χ^2/NDF: 33.4/47

Right: -0.000+/-0.000 χ^2/NDF: 31.1/47

In: 0.000+/-0.000 χ^2/NDF:19.7/43

Out: 0.000+/-0.000 χ^2/NDF:45.0/51

All: 0.000+/-0.000 χ^2/NDF: 64.9/95



Right In: 0.000+/-0.000 χ^2/NDF: 2815101.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4303205.2/26

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

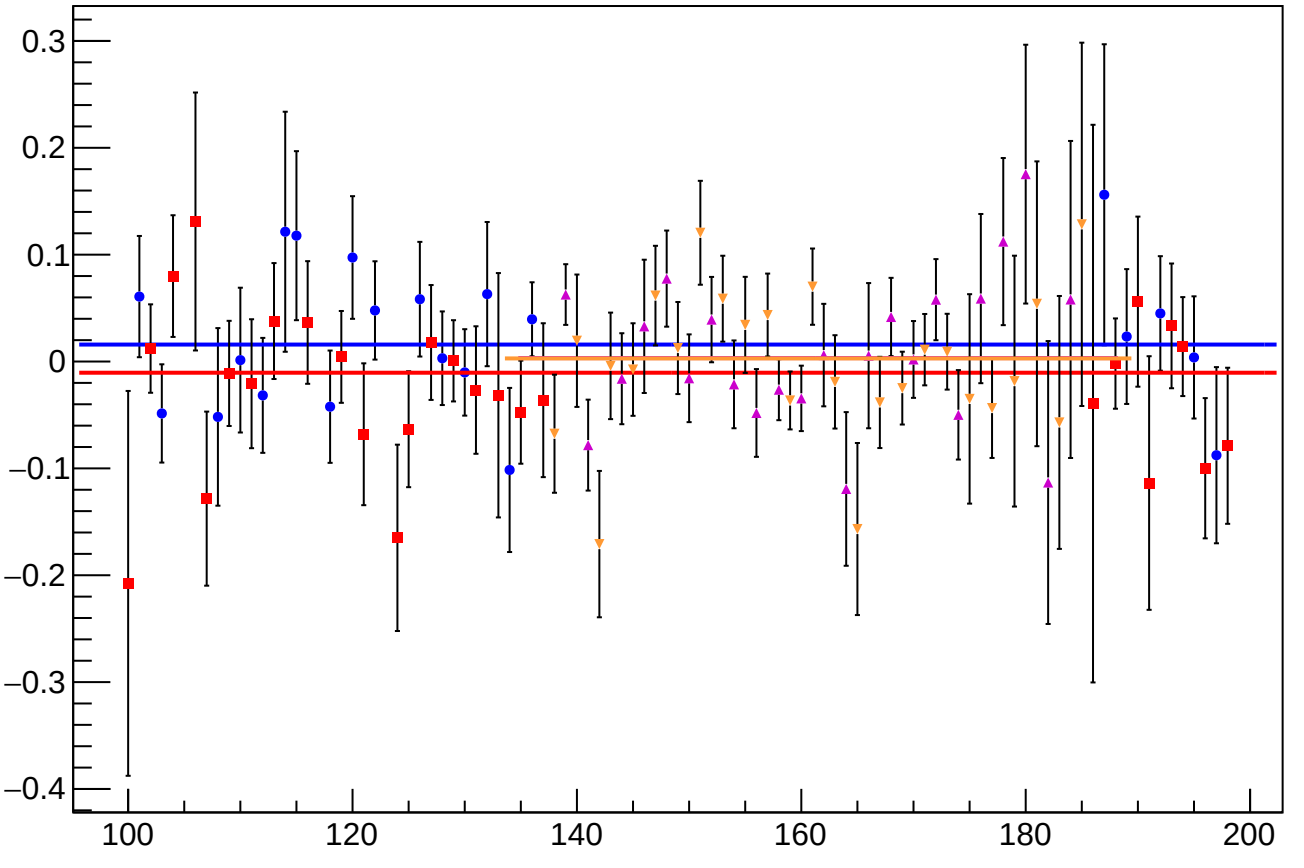
Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

Right: 0.000+/-0.000 χ^2/NDF: 7131650.3/47

In: 0.000+/-0.000 χ^2/NDF:7246054.7/43

Out: 0.000+/-0.000 χ^2/NDF:9525689.0/51

All: 0.000+/-0.000 χ^2/NDF: 16789191.4/95



Right In: 0.016+/-0.012 χ^2/NDF: 17.7/20

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.010+/-0.011 χ^2/NDF: 20.2/26

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

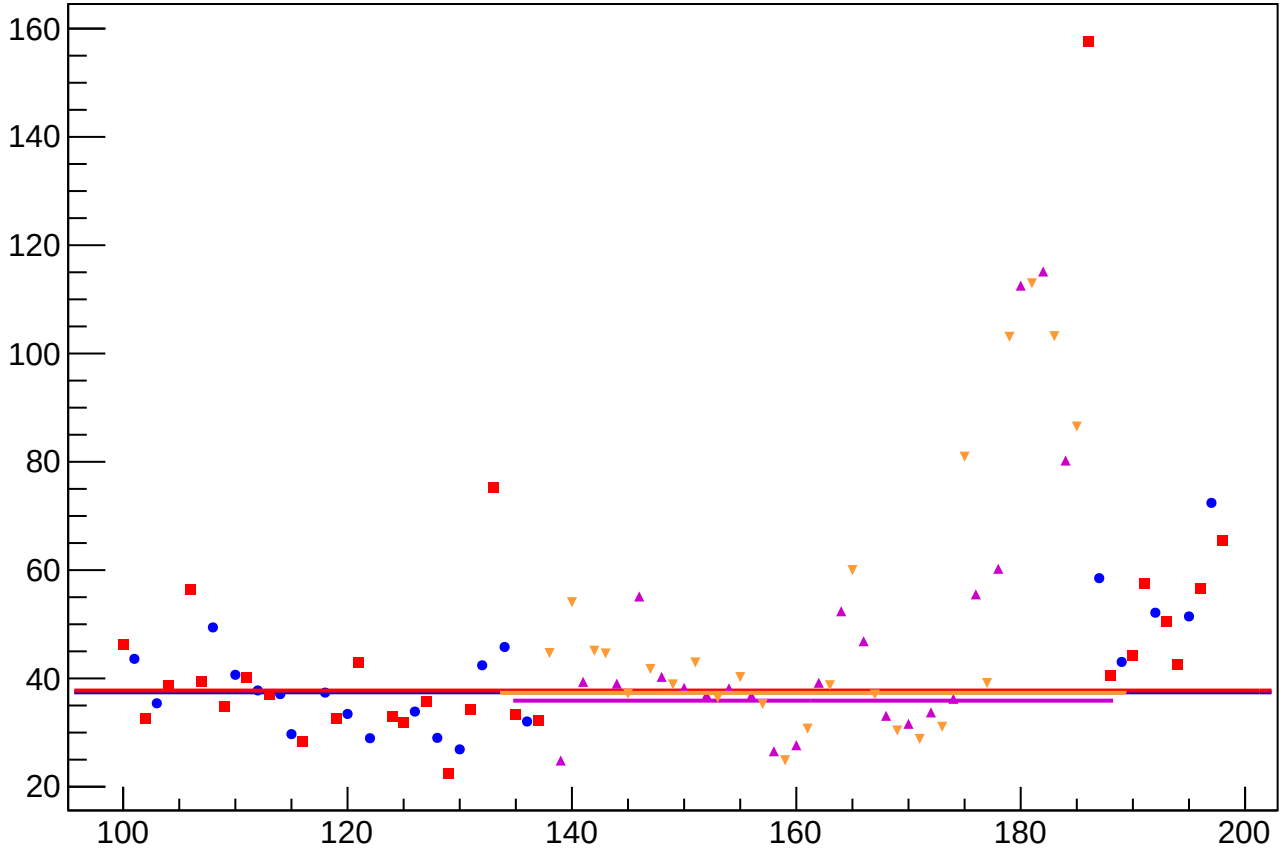
Right: 0.002+/-0.008 χ^2/NDF: 40.4/47

In: 0.008+/-0.007 χ^2/NDF:48.2/43

Out: -0.002+/-0.007 χ^2/NDF:53.9/51

All: 0.003+/-0.005 χ^2/NDF: 103.1/95

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.437+/-0.009 χ^2/NDF: 1163295.4/20

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 37.760+/-0.008 χ^2/NDF: 1870740.7/26

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

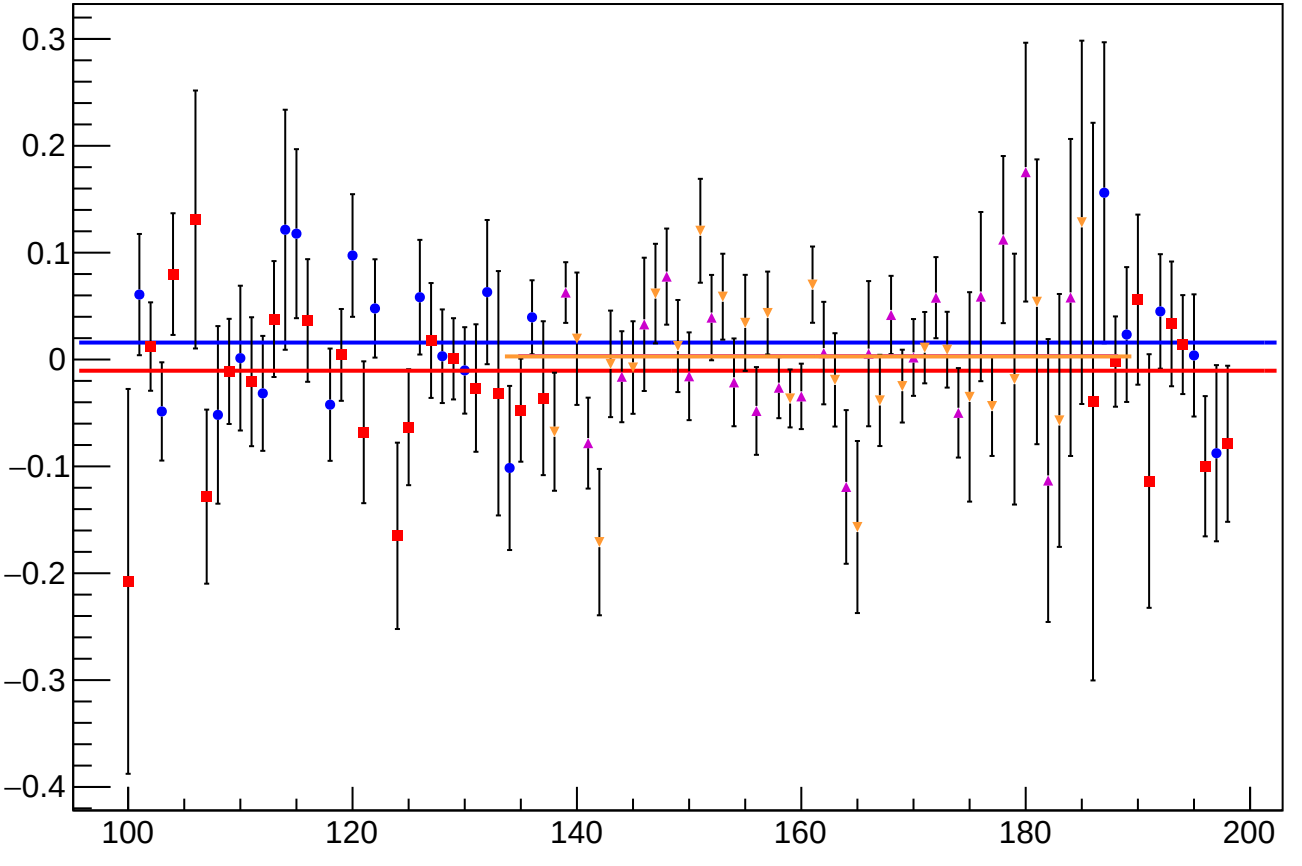
Right: 37.610+/-0.006 χ^2/NDF: 3034781.6/47

In: 36.449+/-0.005 χ^2/NDF:4321918.0/43

Out: 37.510+/-0.005 χ^2/NDF:5568995.4/51

All: 36.990+/-0.004 χ^2/NDF: 9912250.5/95

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.012 χ^2/NDF: 17.7/20

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.010+/-0.011 χ^2/NDF: 20.2/26

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

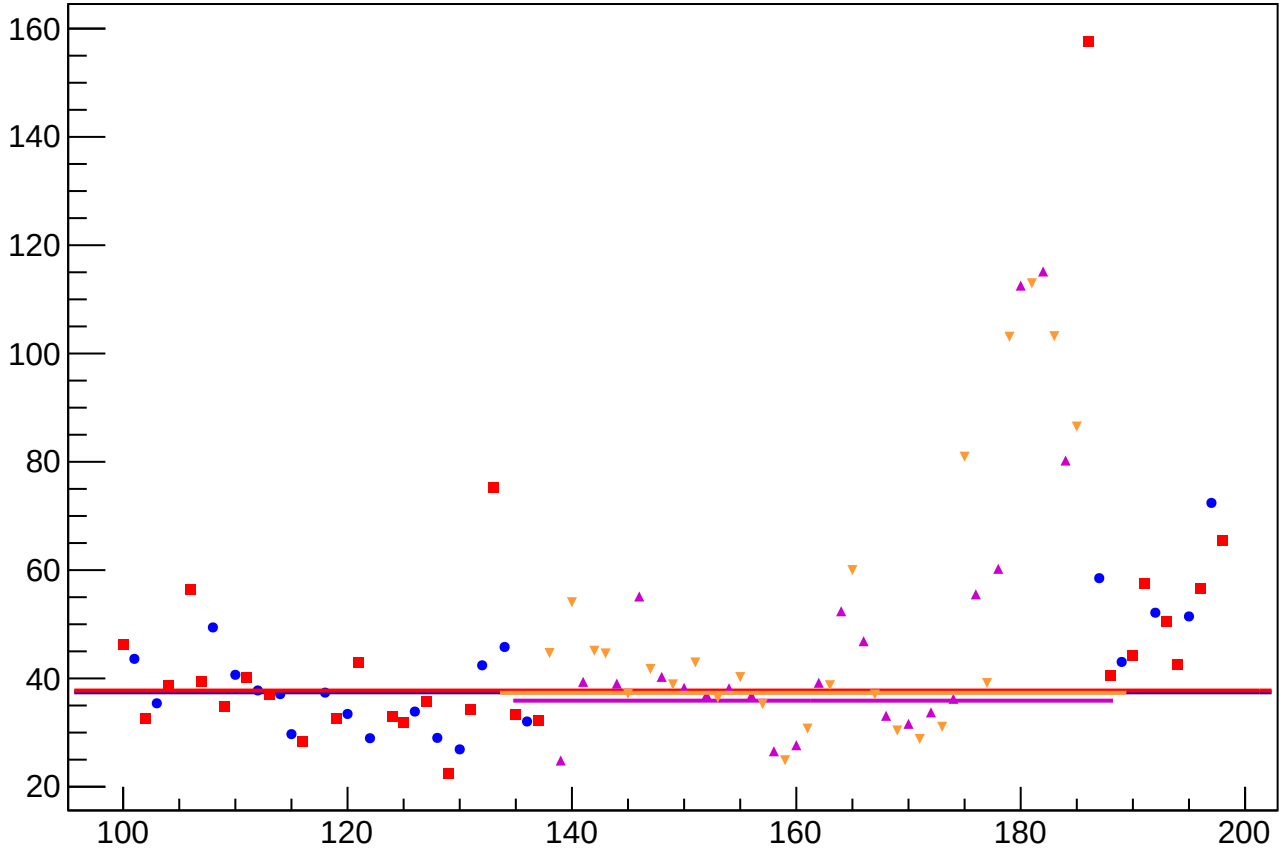
Right: 0.002+/-0.008 χ^2/NDF: 40.4/47

In: 0.008+/-0.007 χ^2/NDF:48.2/43

Out: -0.002+/-0.007 χ^2/NDF:53.9/51

All: 0.003+/-0.005 χ^2/NDF: 103.1/95

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.437+/-0.009 χ^2/NDF: 1163295.4/20

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 37.760+/-0.008 χ^2/NDF: 1870740.7/26

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

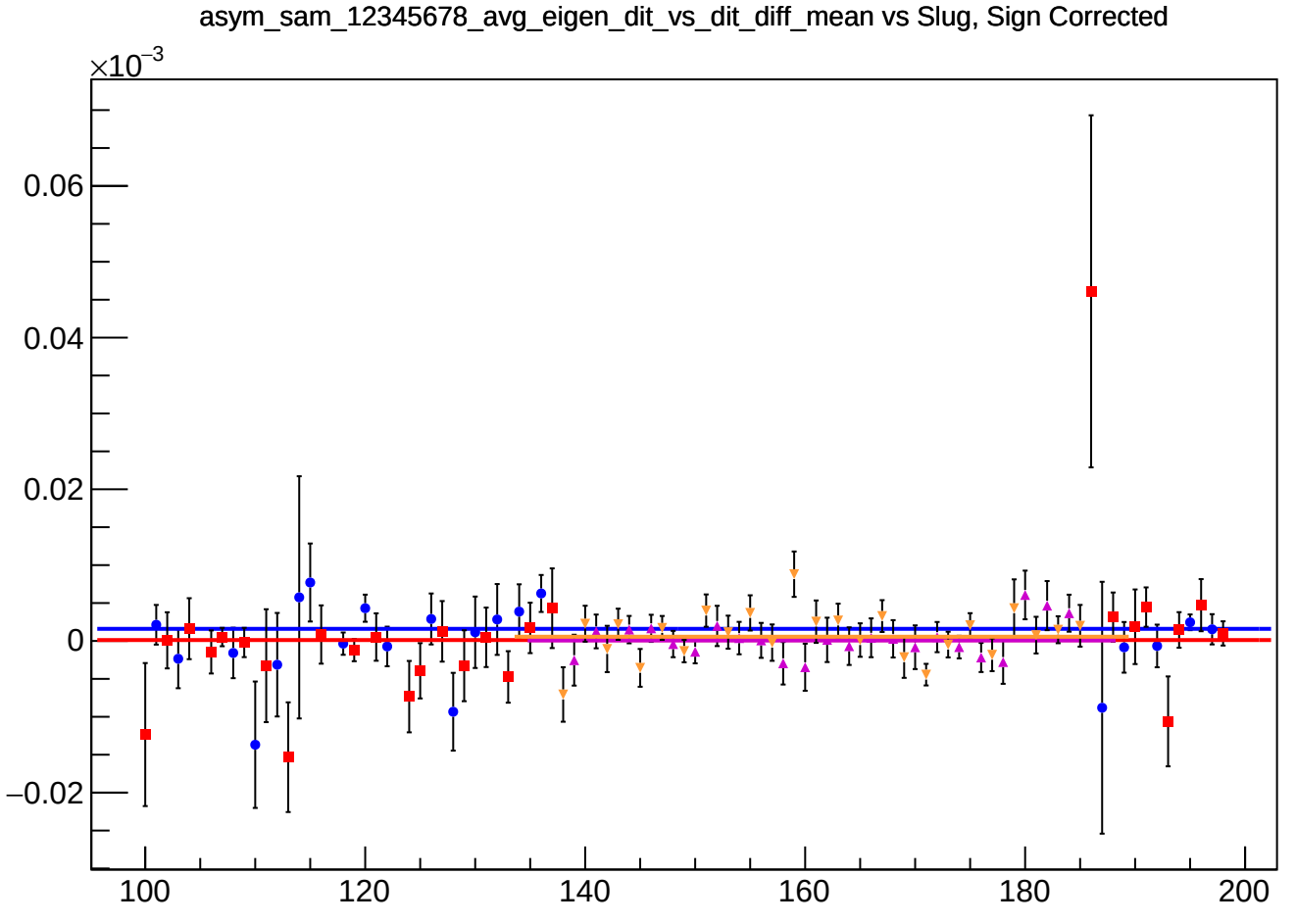
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 37.610+/-0.006 χ^2/NDF: 3034781.6/47

In: 36.449+/-0.005 χ^2/NDF:4321918.0/43

Out: 37.510+/-0.005 χ^2/NDF:5568995.4/51

All: 36.990+/-0.004 χ^2/NDF: 9912250.5/95



Right In: 0.000+/-0.000 χ^2/NDF: 23.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.7/26

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

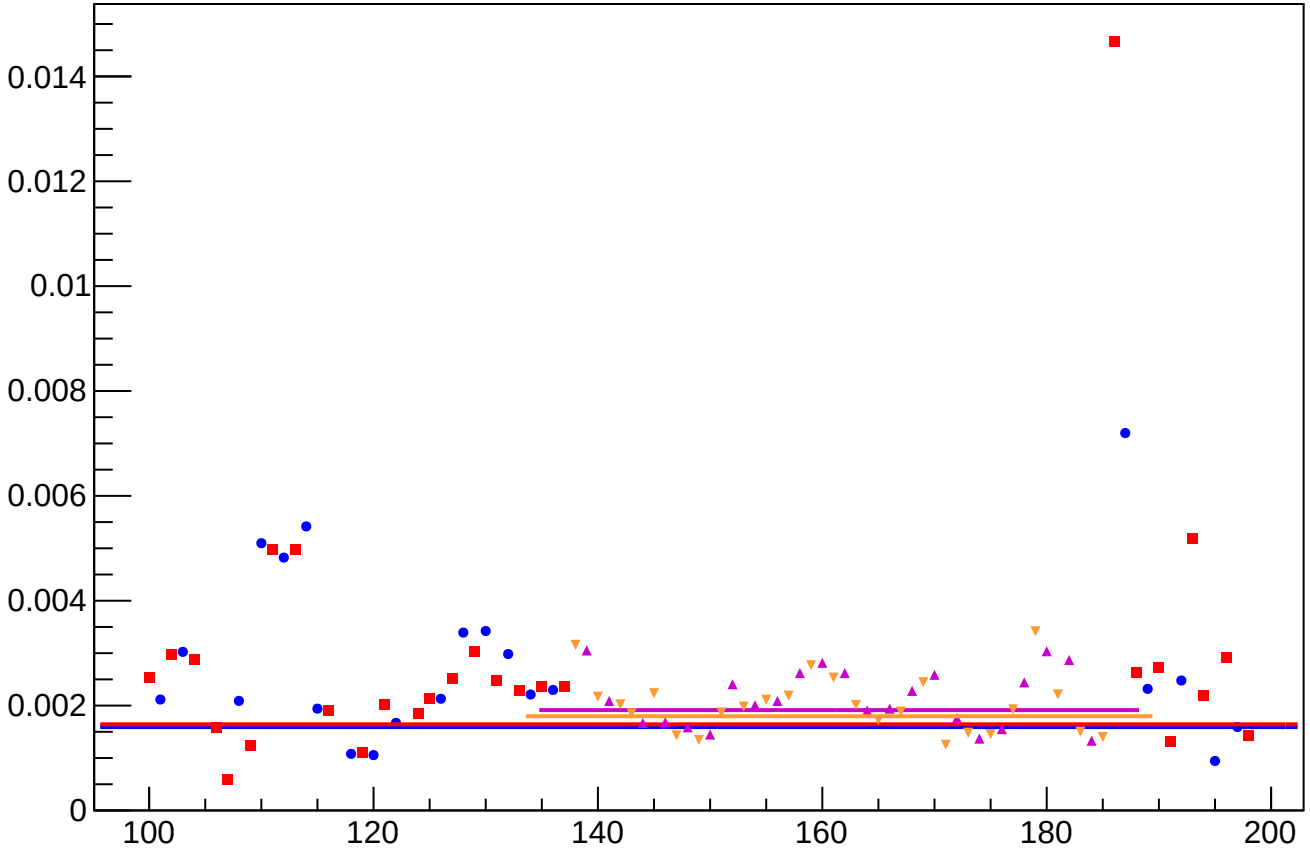
Right: 0.000+/-0.000 χ^2/NDF: 55.5/47

In: 0.000+/-0.000 χ^2/NDF:44.6/43

Out: 0.000+/-0.000 χ^2/NDF:72.6/51

All: 0.000+/-0.000 χ^2/NDF: 117.6/95

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4054518.0/20

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5861821.4/26

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

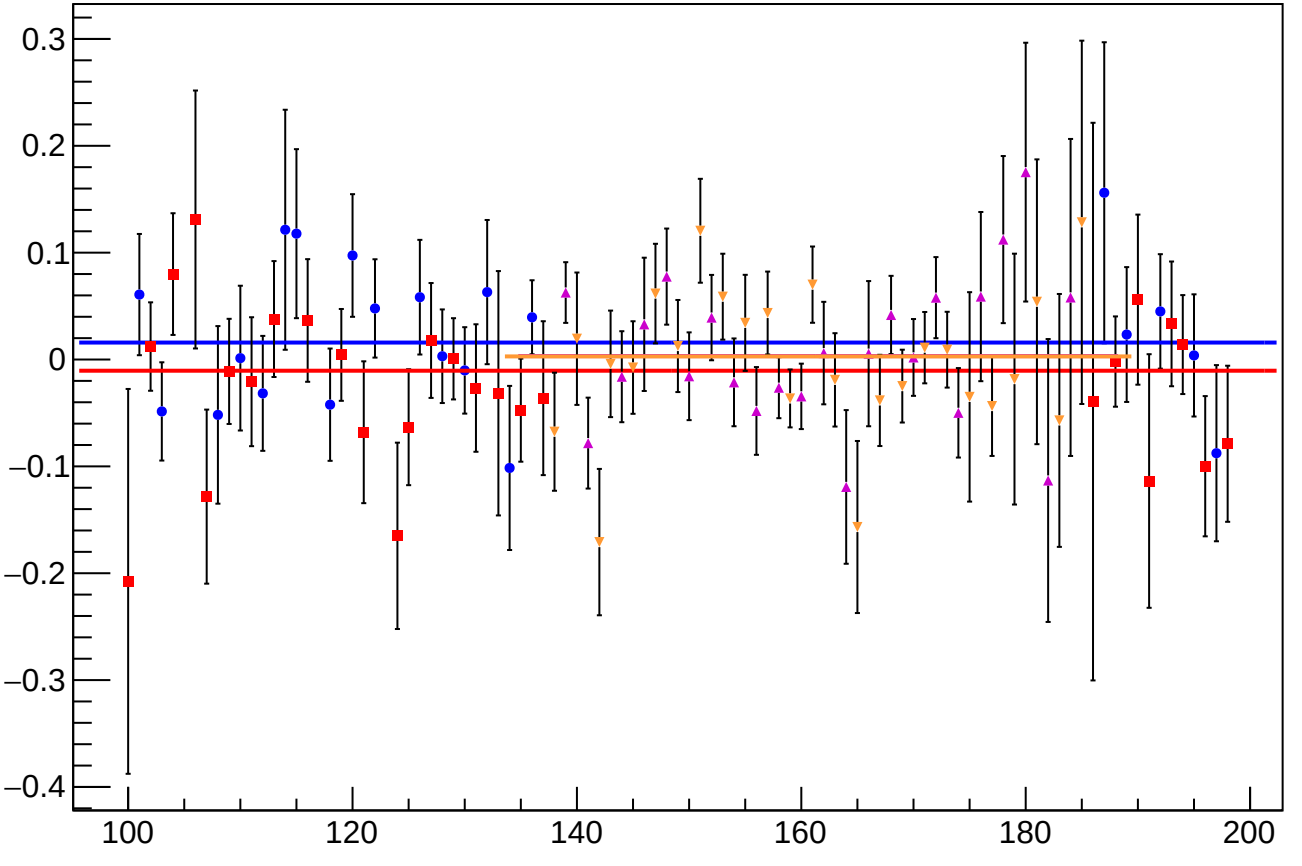
Right: 0.002+/-0.000 χ^2/NDF: 9925224.7/47

In: 0.002+/-0.000 χ^2/NDF:6619588.8/43

Out: 0.002+/-0.000 χ^2/NDF:8241018.3/51

All: 0.002+/-0.000 χ^2/NDF: 14876515.5/95

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.012 χ^2/NDF: 17.7/20

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.010+/-0.011 χ^2/NDF: 20.2/26

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

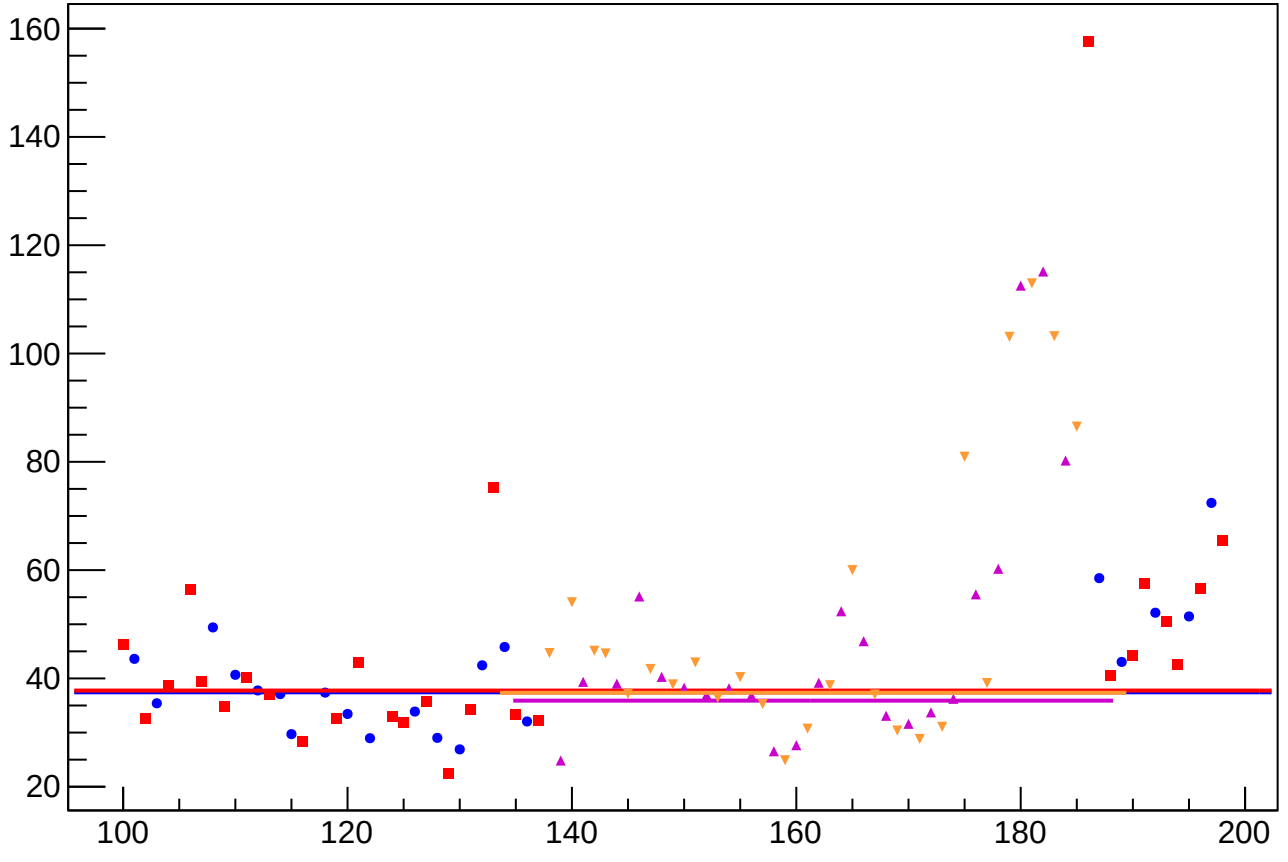
Right: 0.002+/-0.008 χ^2/NDF: 40.4/47

In: 0.008+/-0.007 χ^2/NDF:48.2/43

Out: -0.002+/-0.007 χ^2/NDF:53.9/51

All: 0.003+/-0.005 χ^2/NDF: 103.1/95

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.437+/-0.009 χ^2/NDF: 1163386.2/20

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 37.760+/-0.008 χ^2/NDF: 1870828.3/26

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

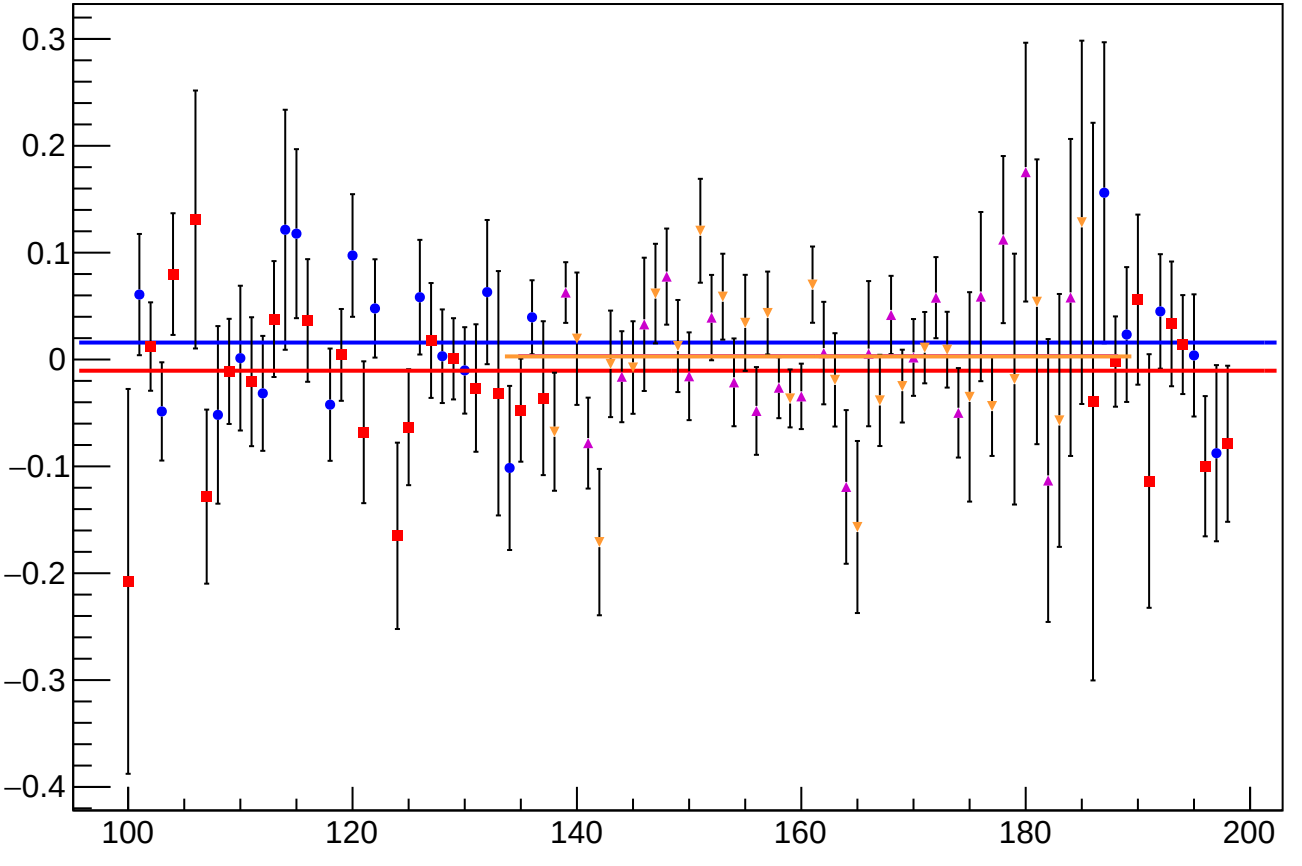
Right: 37.610+/-0.006 χ^2/NDF: 3034961.8/47

In: 36.449+/-0.005 χ^2/NDF:4321996.5/43

Out: 37.510+/-0.005 χ^2/NDF:5569128.4/51

All: 36.990+/-0.004 χ^2/NDF: 9912462.9/95

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.012 χ^2/NDF: 17.7/20

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.010+/-0.011 χ^2/NDF: 20.2/26

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

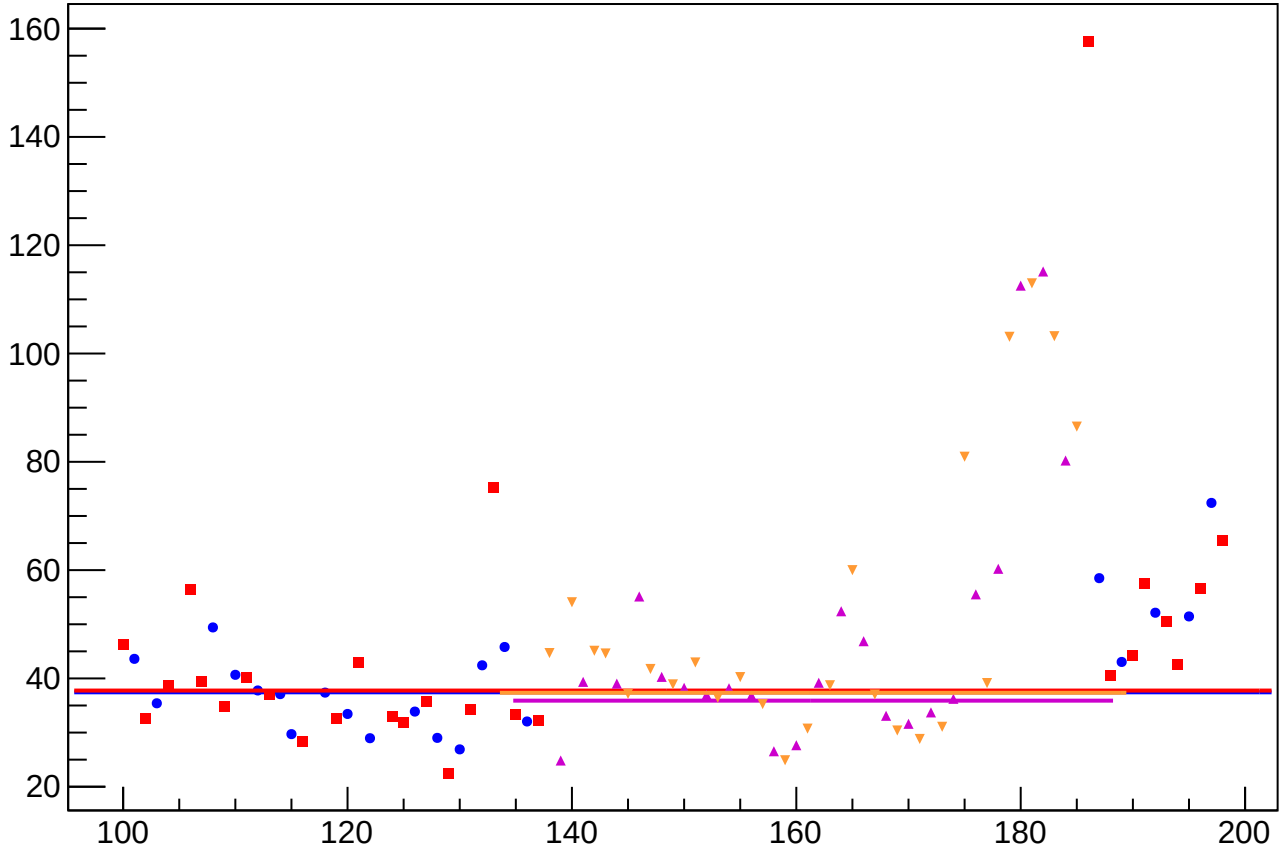
Right: 0.002+/-0.008 χ^2/NDF: 40.4/47

In: 0.008+/-0.007 χ^2/NDF:48.2/43

Out: -0.002+/-0.007 χ^2/NDF:53.9/51

All: 0.003+/-0.005 χ^2/NDF: 103.1/95

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.437+/-0.009 χ^2/NDF: 1163386.2/20

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 37.760+/-0.008 χ^2/NDF: 1870828.3/26

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

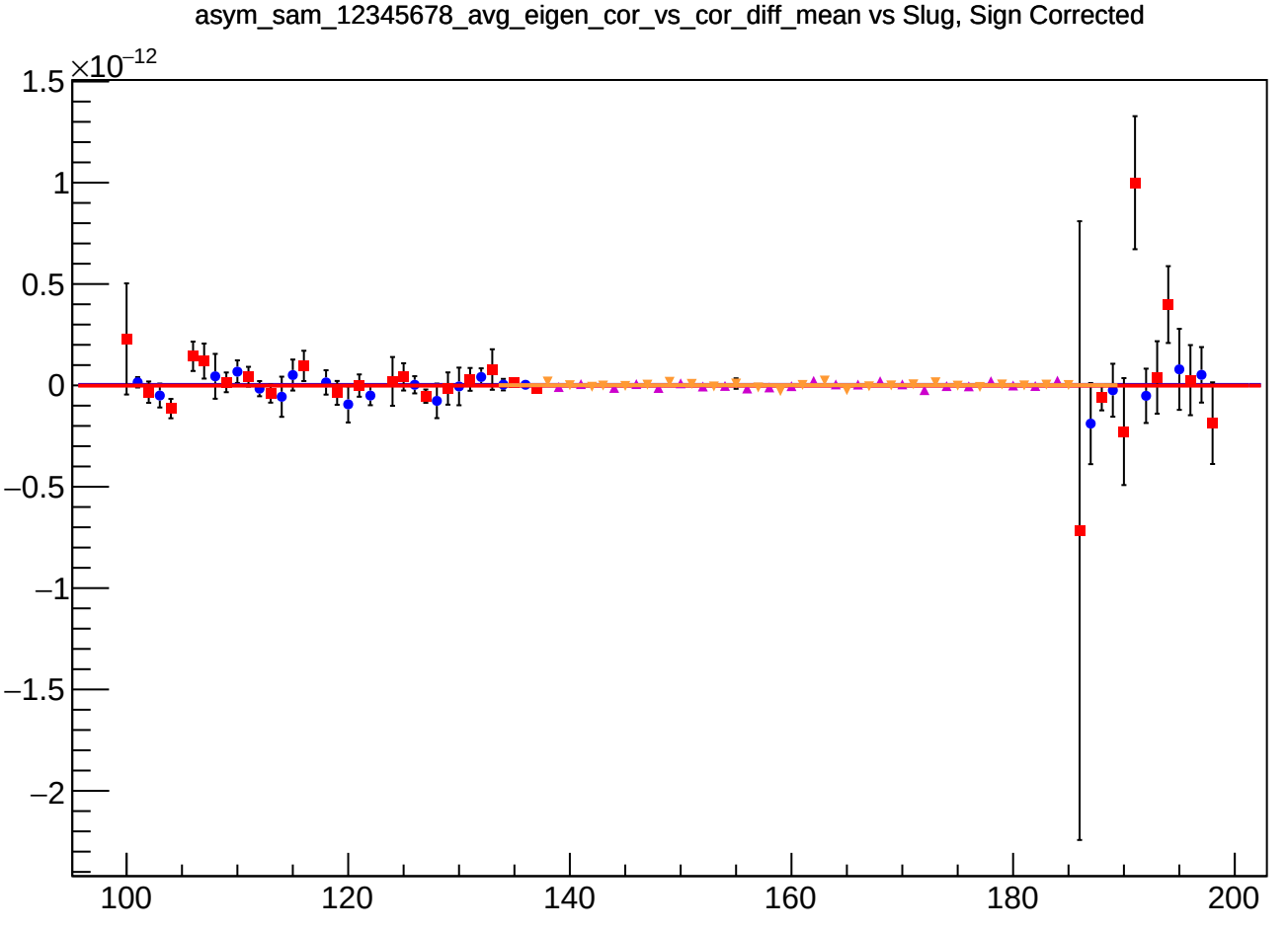
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

Right: 37.610+/-0.006 χ^2/NDF: 3034961.8/47

In: 36.449+/-0.005 χ^2/NDF:4321996.5/43

Out: 37.510+/-0.005 χ^2/NDF:5569128.4/51

All: 36.990+/-0.004 χ^2/NDF: 9912462.9/95



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.0/26

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

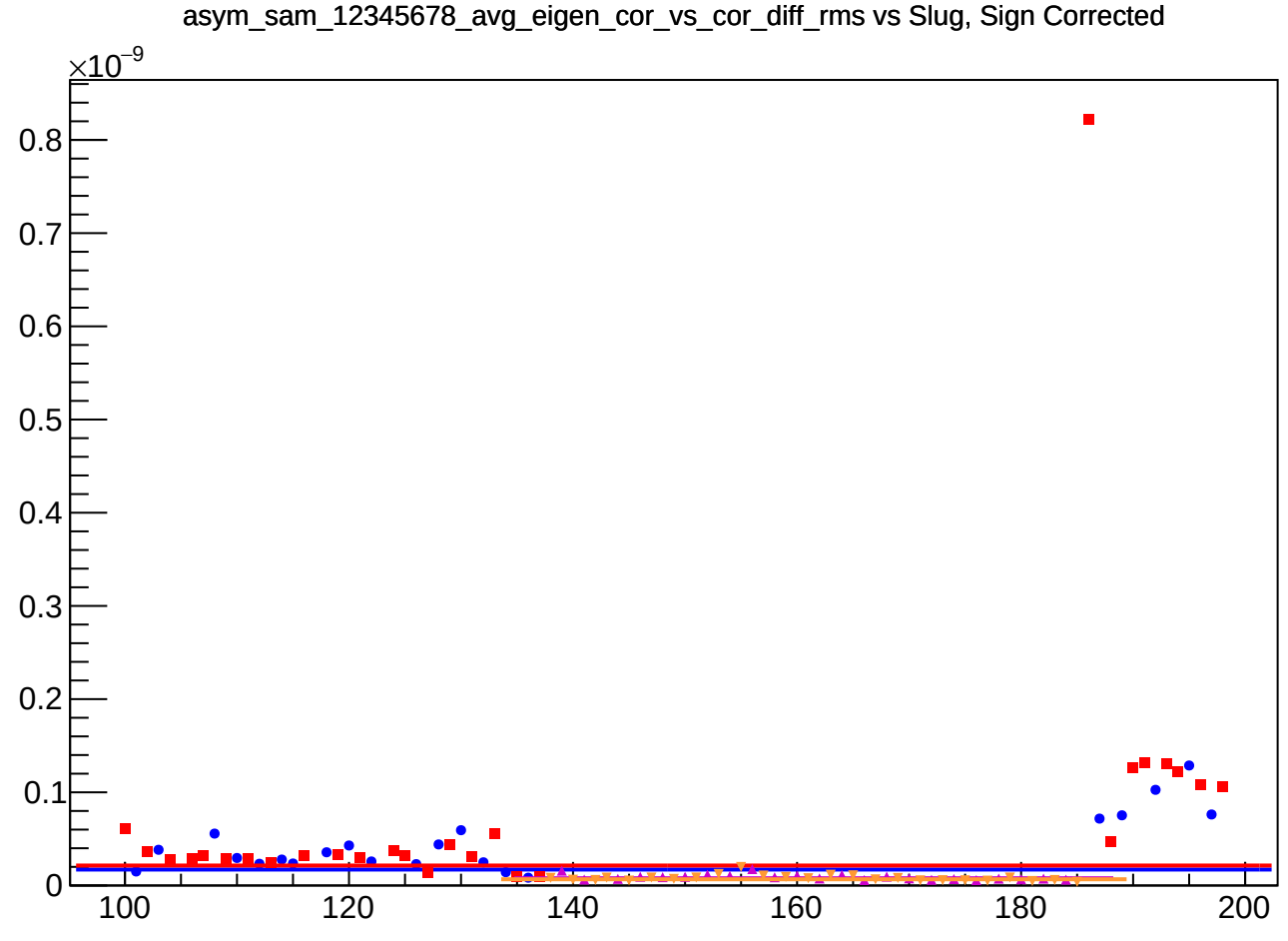
Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 47.1/47

In: 0.000+/-0.000 χ^2/NDF:38.3/43

Out: 0.000+/-0.000 χ^2/NDF:59.4/51

All: 0.000+/-0.000 χ^2/NDF: 97.7/95



Right In: 0.000+/-0.000 χ^2/NDF: 5215473.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6121711.7/26

Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

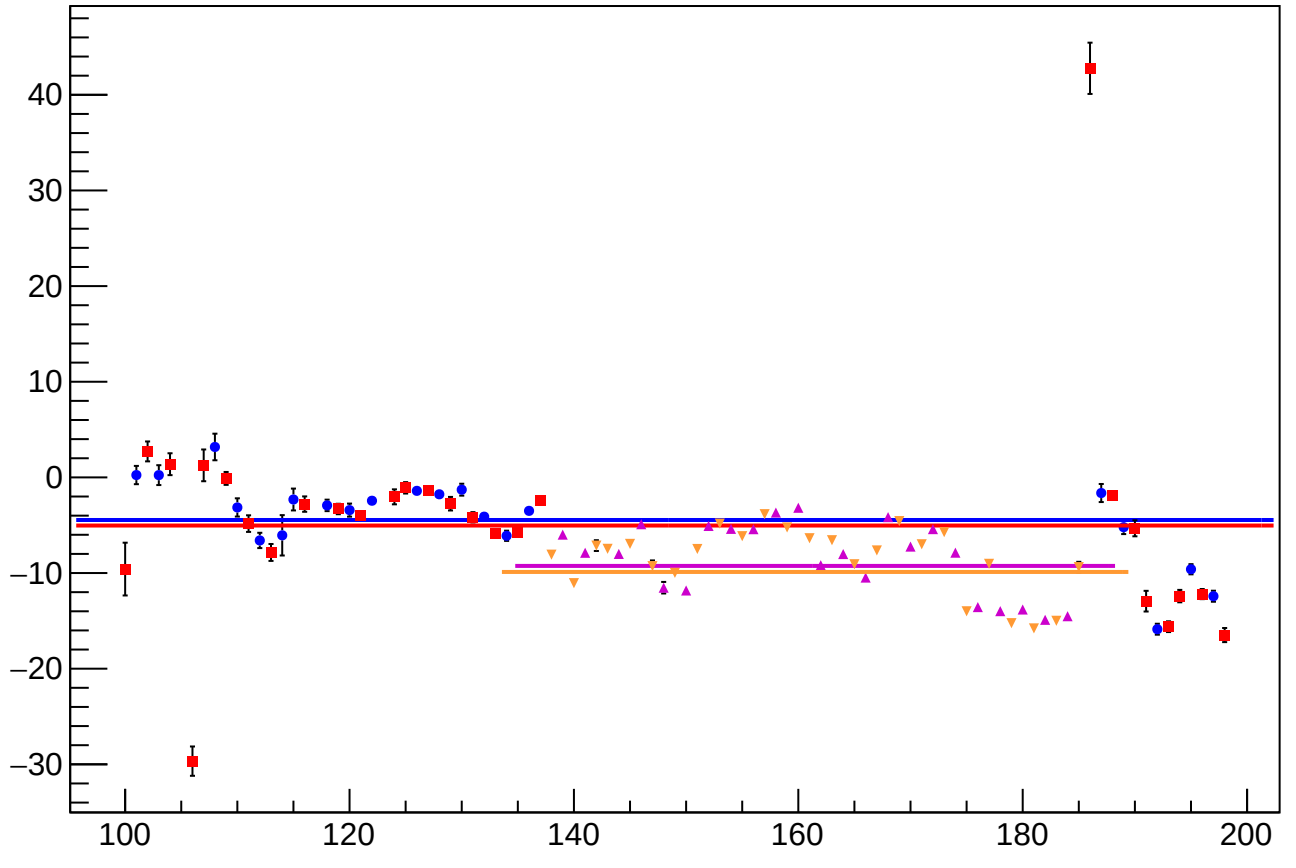
Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

Right: 0.000+/-0.000 χ^2/NDF: 11548127.7/47

In: 0.000+/-0.000 χ^2/NDF:8992640.0/43

Out: 0.000+/-0.000 χ^2/NDF:12487270.4/51

All: 0.000+/-0.000 χ^2/NDF: 21759595.2/95



Right In: -4.454+/-0.122 χ^2/NDF: 930.6/20

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -5.033+/-0.116 χ^2/NDF: 1999.6/26

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

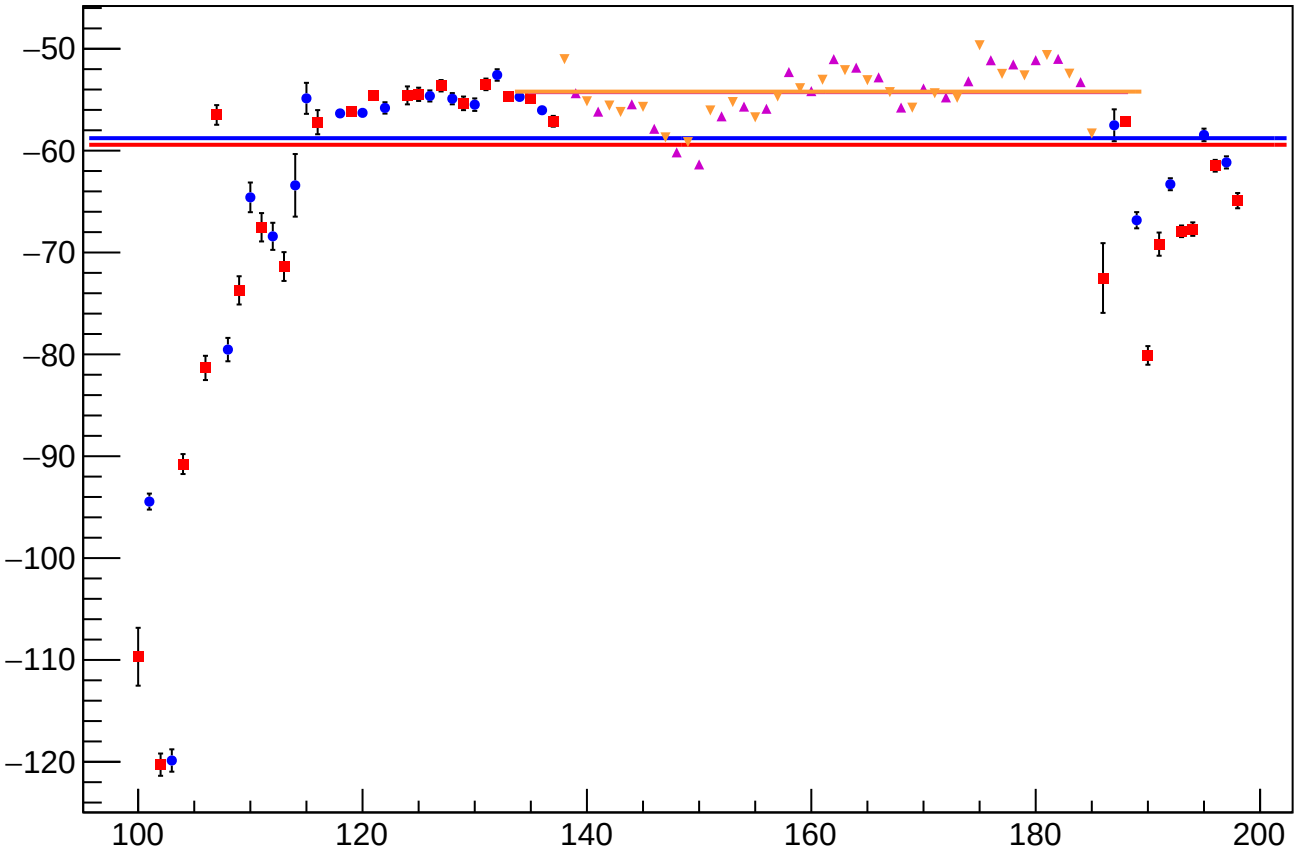
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

Right: -4.757+/-0.084 χ^2/NDF: 2942.1/47

In: -8.023+/-0.062 χ^2/NDF:5151.3/43

Out: -8.610+/-0.060 χ^2/NDF:6487.9/51

All: -8.326+/-0.043 χ^2/NDF: 11686.0/95



Right In: -58.776+/-0.124 χ^2/NDF: 6323.0/20

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -59.425+/-0.121 χ^2/NDF: 6996.4/26

Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

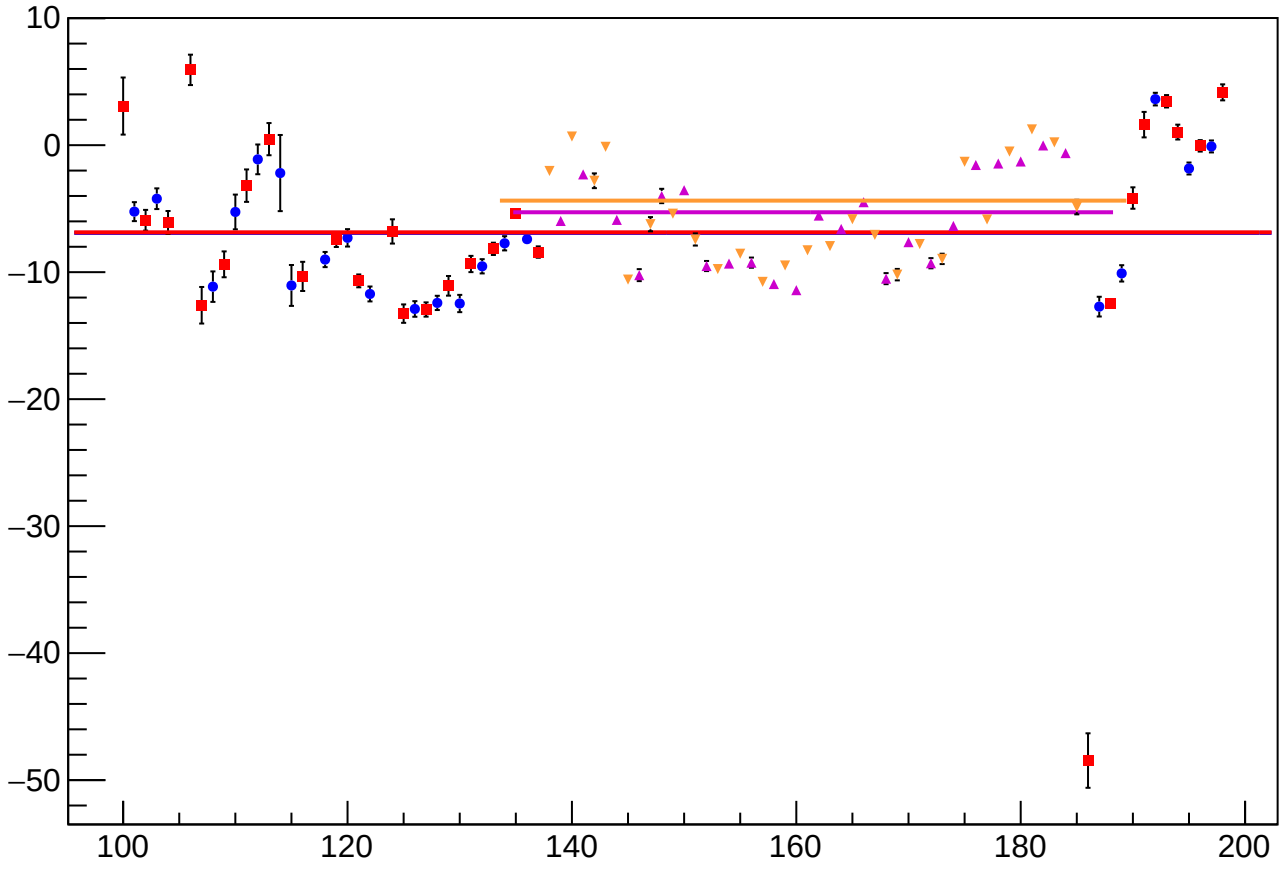
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -59.110+/-0.087 χ^2/NDF: 13333.4/47

In: -55.072+/-0.053 χ^2/NDF:9896.1/43

Out: -55.126+/-0.051 χ^2/NDF:10393.9/51

All: -55.100+/-0.037 χ^2/NDF: 20290.5/95



Right In: -6.908+/-0.124 χ^2/NDF: 1282.5/20

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -6.865+/-0.116 χ^2/NDF: 2623.2/26

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

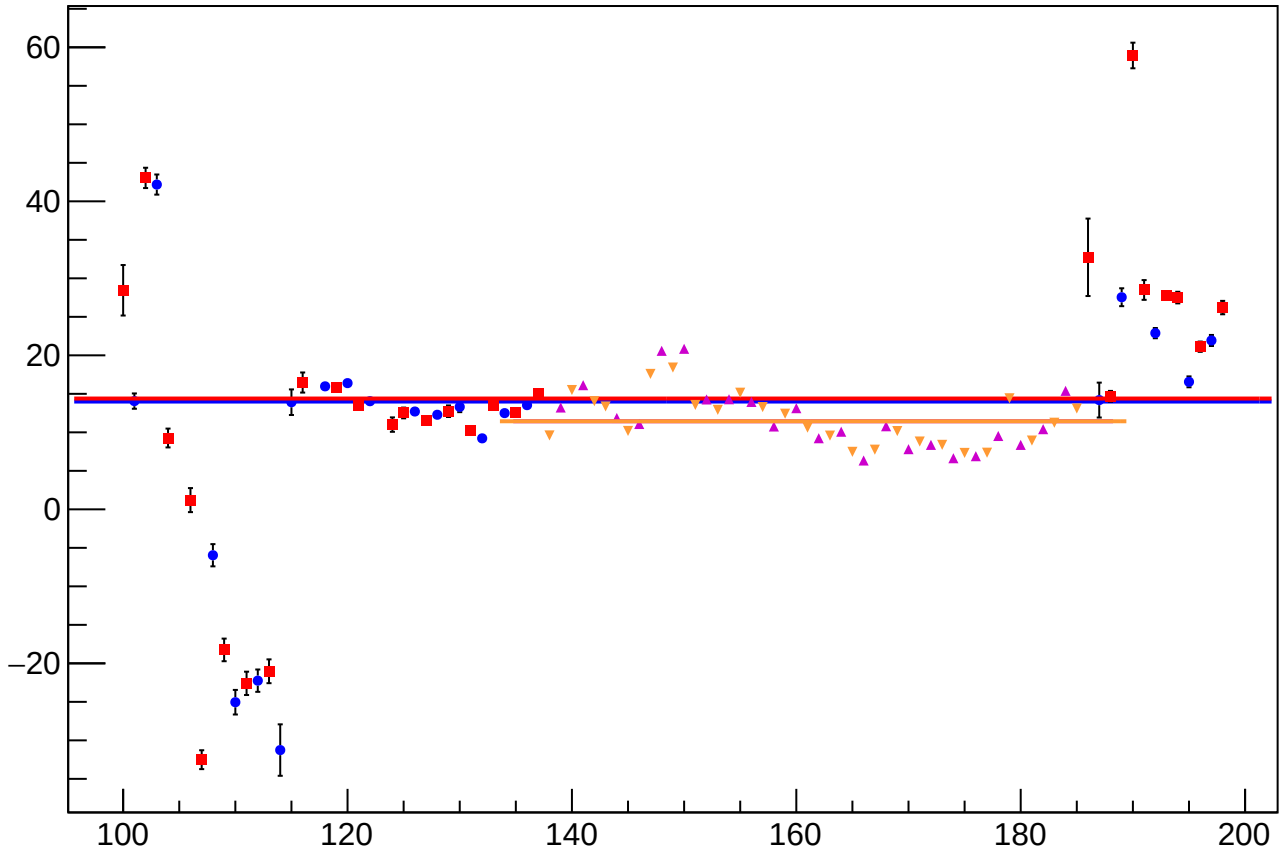
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -6.885+/-0.085 χ^2/NDF: 3905.8/47

In: -5.684+/-0.062 χ^2/NDF:4161.8/43

Out: -5.023+/-0.059 χ^2/NDF:6667.0/51

All: -5.342+/-0.043 χ^2/NDF: 10888.2/95



Right In: 14.000+/-0.139 χ^2/NDF: 2636.7/20

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 14.390+/-0.138 χ^2/NDF: 5670.5/26

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

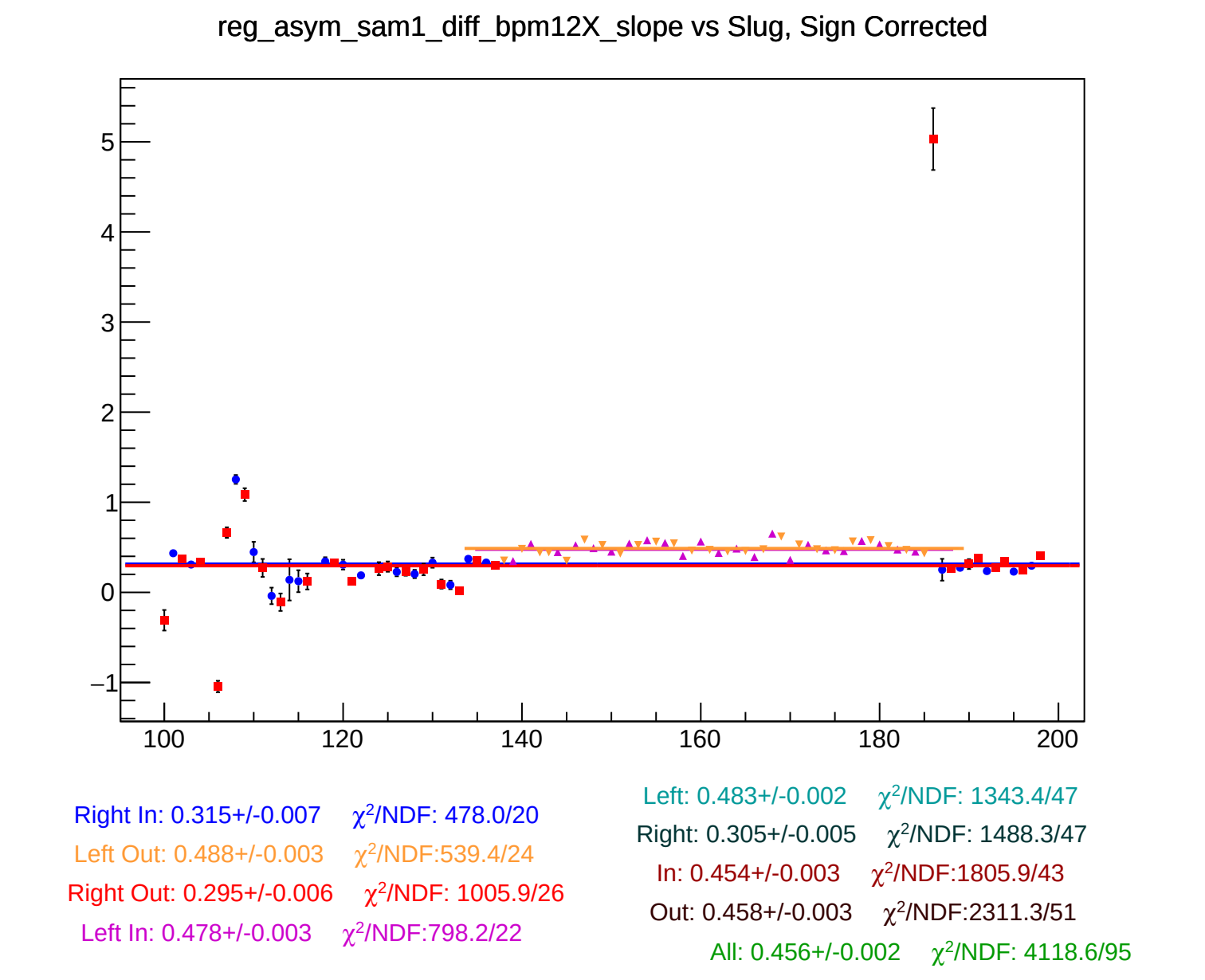
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

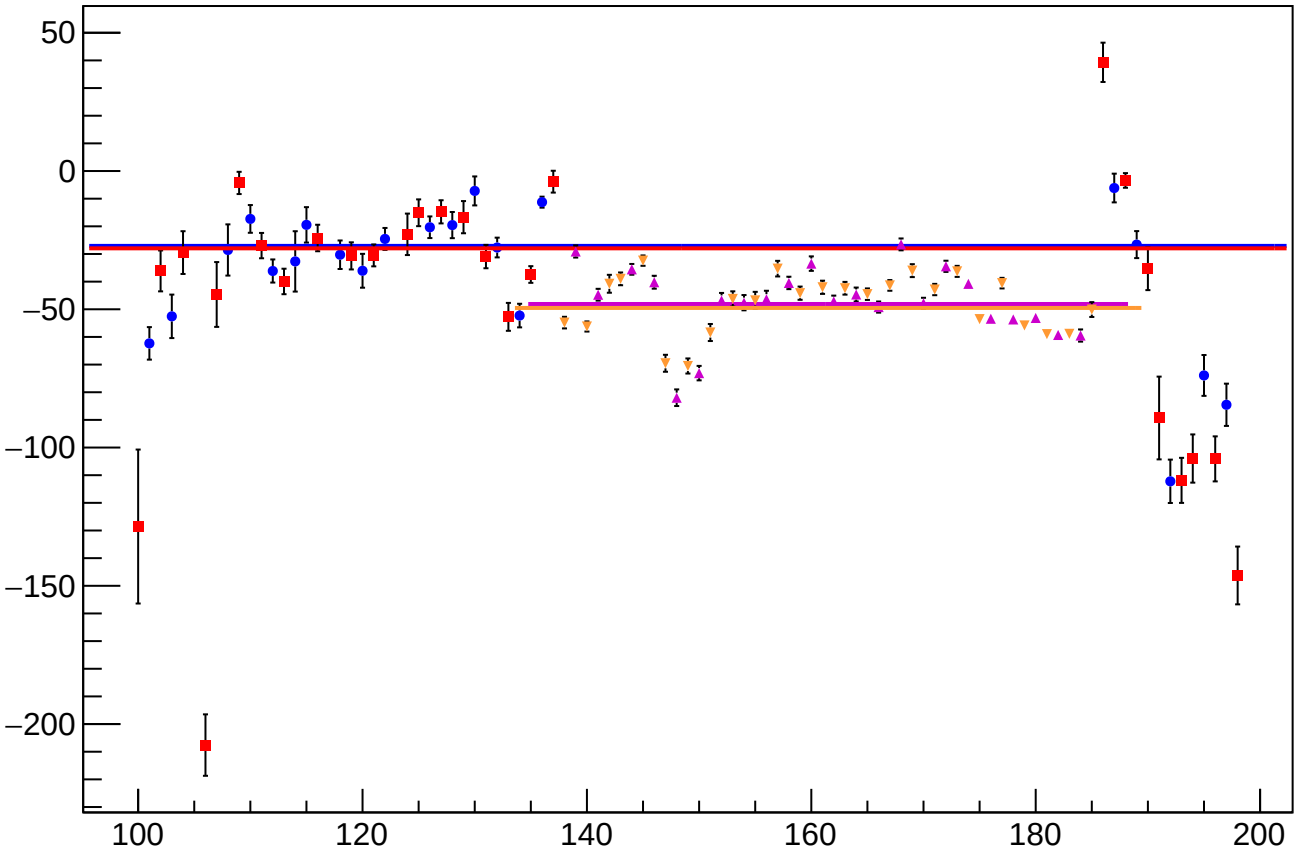
Right: 14.197+/-0.098 χ^2/NDF: 8311.1/47

In: 11.888+/-0.058 χ^2/NDF:6272.7/43

Out: 11.932+/-0.057 χ^2/NDF:8486.1/51

All: 11.911+/-0.041 χ^2/NDF: 14759.1/95


reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.315+/-0.007 χ²/NDF: 478.0/20
Left Out: 0.488+/-0.003 χ²/NDF:539.4/24
Right Out: 0.295+/-0.006 χ²/NDF: 1005.9/26
Left In: 0.478+/-0.003 χ²/NDF:798.2/22
Left: 0.483+/-0.002 χ²/NDF: 1343.4/47
Right: 0.305+/-0.005 χ²/NDF: 1488.3/47
In: 0.454+/-0.003 χ²/NDF:1805.9/43
Out: 0.458+/-0.003 χ²/NDF:2311.3/51
All: 0.456+/-0.002 χ²/NDF: 4118.6/95



Right In: -27.075+/-1.011 χ^2/NDF: 408.6/20

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -27.962+/-0.995 χ^2/NDF: 1004.6/26

Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

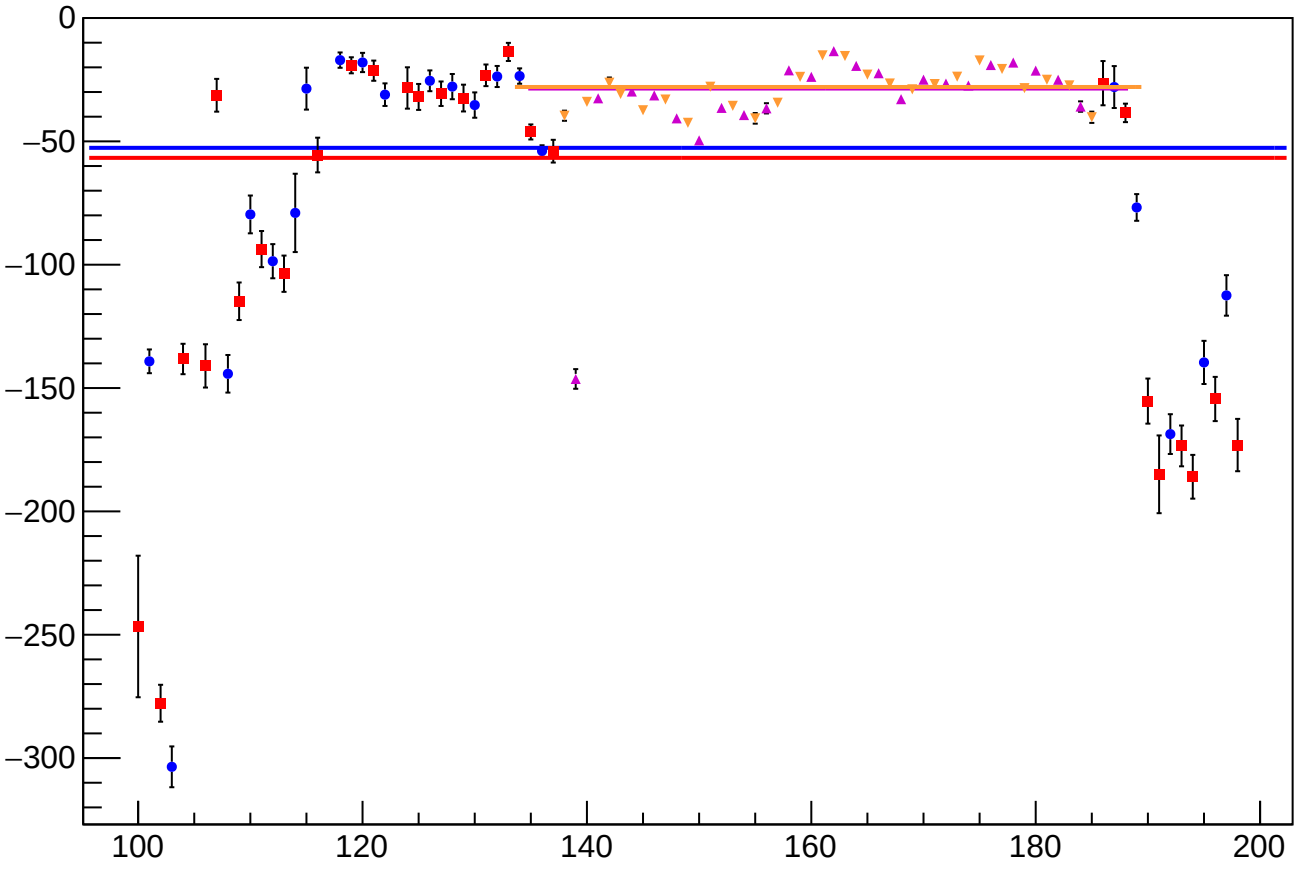
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -27.525+/-0.709 χ^2/NDF: 1413.6/47

In: -45.014+/-0.387 χ^2/NDF:1483.4/43

Out: -46.487+/-0.373 χ^2/NDF:1984.3/51

All: -45.777+/-0.268 χ^2/NDF: 3475.2/95



Right In: -52.626+/-1.045 χ^2/NDF: 2283.3/20

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -56.690+/-1.076 χ^2/NDF: 2687.5/26

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

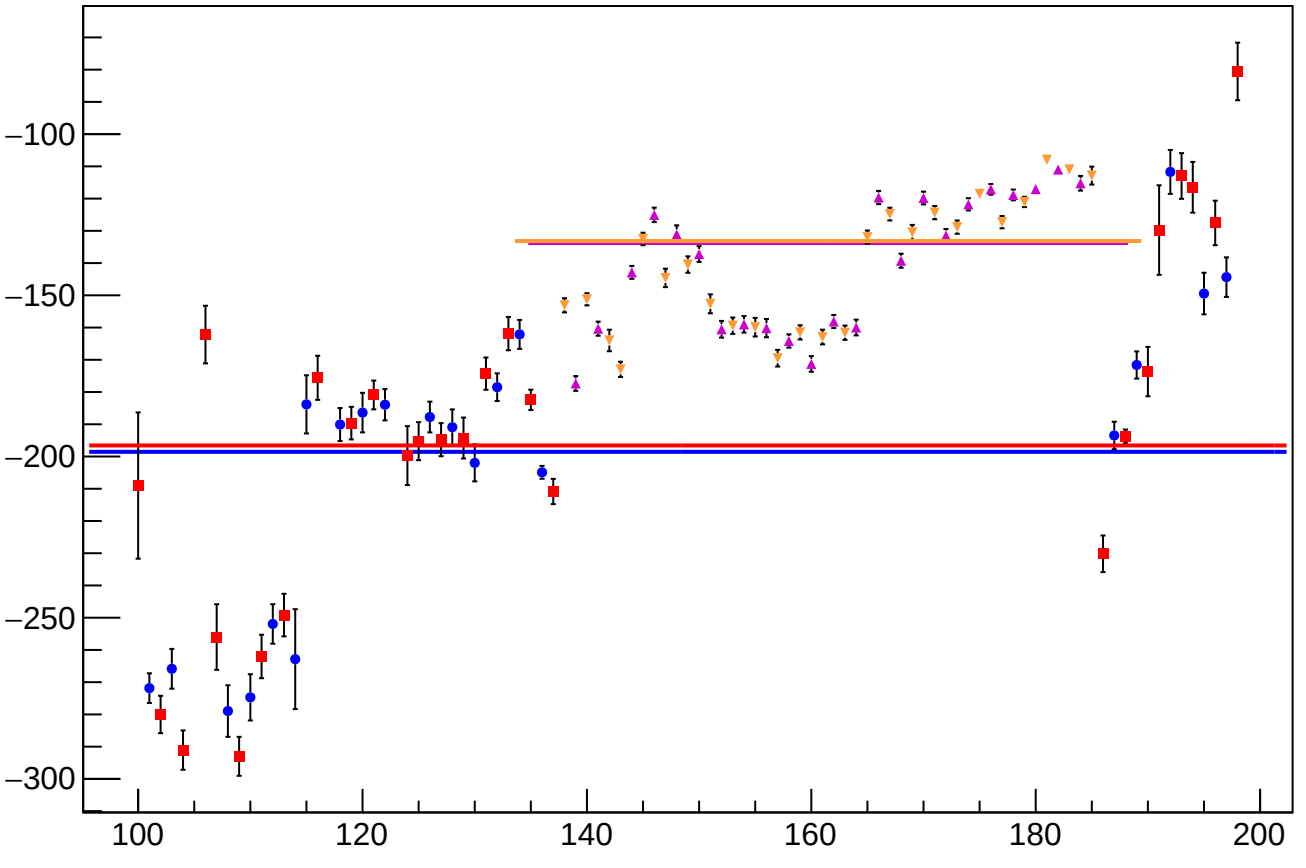
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -54.598+/-0.750 χ^2/NDF: 4978.2/47

In: -30.817+/-0.318 χ^2/NDF:4244.3/43

Out: -30.306+/-0.308 χ^2/NDF:3839.9/51

All: -30.553+/-0.221 χ^2/NDF: 8085.5/95



Right In: -198.548+/-1.052 χ^2/NDF: 1143.5/20

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -196.571+/-1.024 χ^2/NDF: 1611.8/26

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

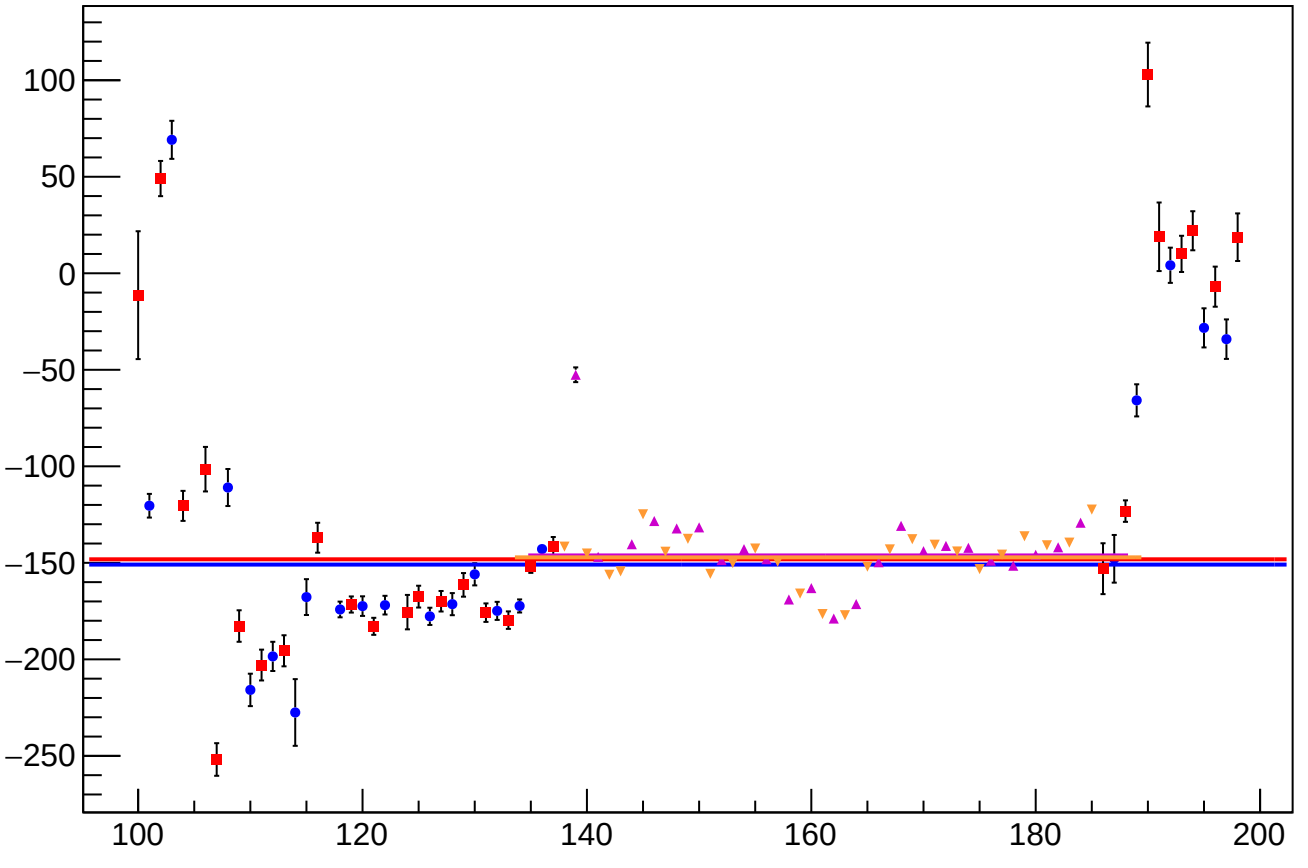
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -197.533+/-0.734 χ^2/NDF: 2757.2/47

In: -142.570+/-0.388 χ^2/NDF:6859.7/43

Out: -141.660+/-0.375 χ^2/NDF:7464.9/51

All: -142.100+/-0.269 χ^2/NDF: 14327.5/95



Right In: -150.907+/-1.180 χ^2/NDF: 1530.1/20

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -148.171+/-1.238 χ^2/NDF: 2263.5/26

Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

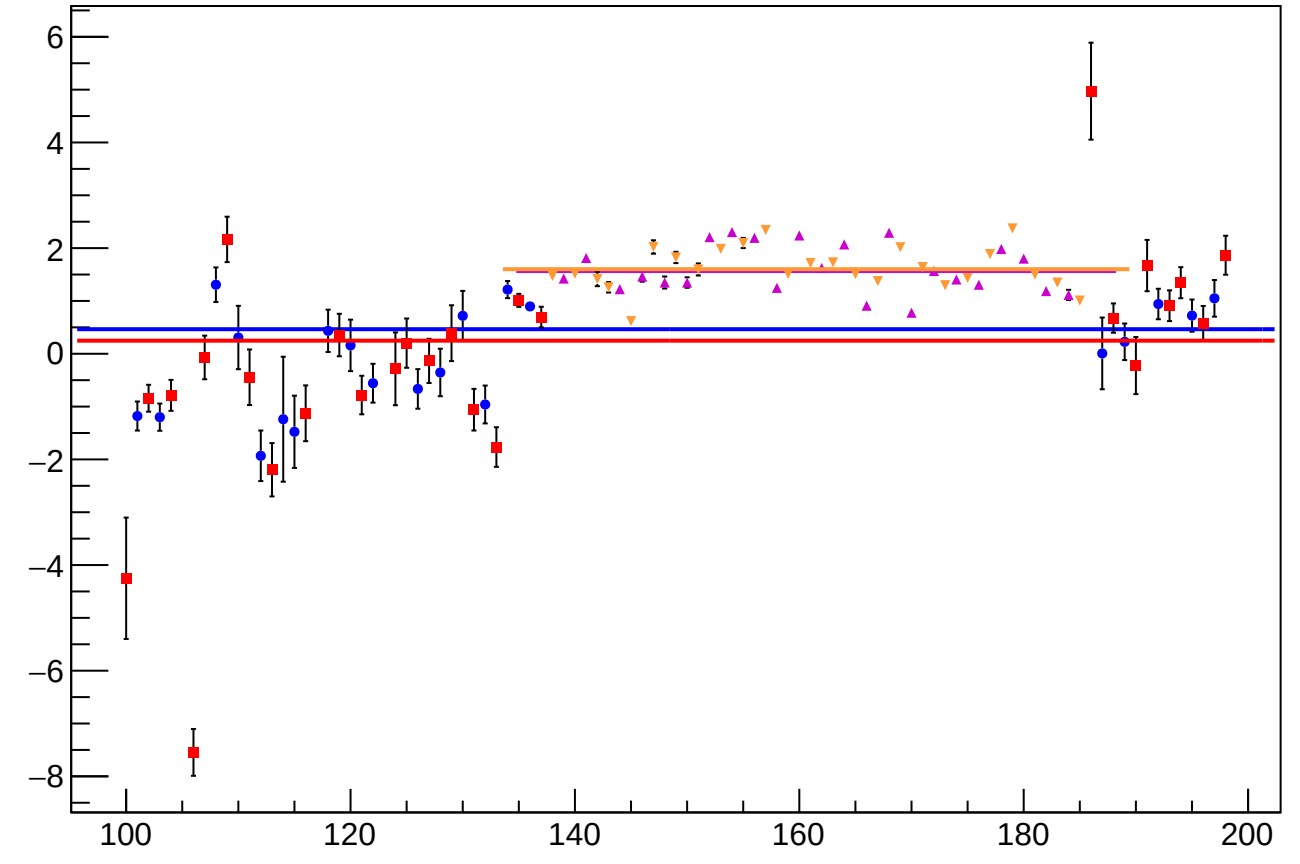
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

Right: -149.605+/-0.854 χ^2/NDF: 3796.1/47

In: -146.598+/-0.354 χ^2/NDF:3338.5/43

Out: -147.244+/-0.344 χ^2/NDF:3509.7/51

All: -146.930+/-0.247 χ^2/NDF: 6849.9/95



Right In: 0.465+/-0.060 χ^2/NDF: 205.3/20

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.248+/-0.063 χ^2/NDF: 579.4/26

Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

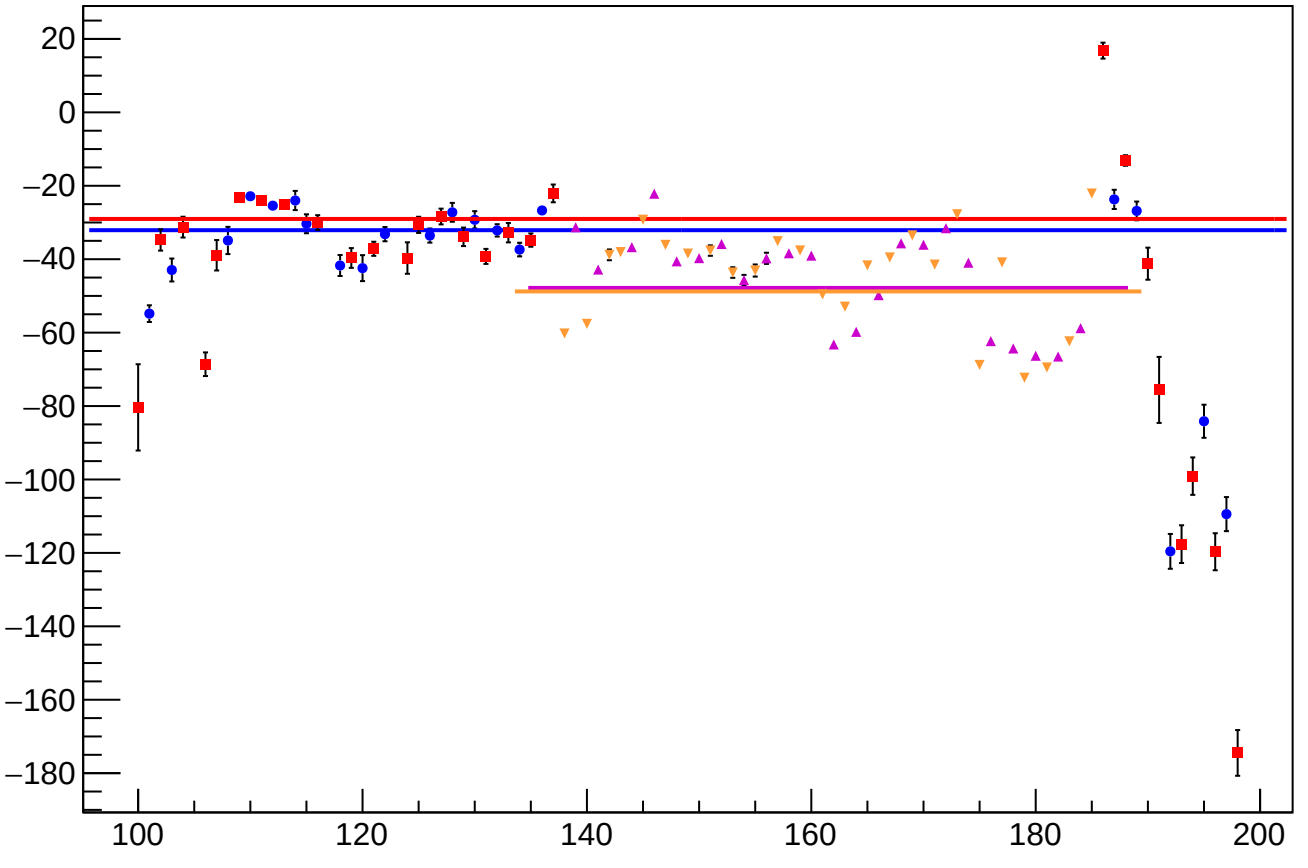
Left: 1.585+/-0.011 χ^2/NDF: 1319.1/47

Right: 0.362+/-0.043 χ^2/NDF: 790.9/47

In: 1.490+/-0.016 χ^2/NDF:1256.6/43

Out: 1.519+/-0.016 χ^2/NDF:1596.3/51

All: 1.505+/-0.011 χ^2/NDF: 2854.6/95



Right In: -32.095+/-0.447 χ^2/NDF: 1033.7/20

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -29.031+/-0.414 χ^2/NDF: 2289.2/26

Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

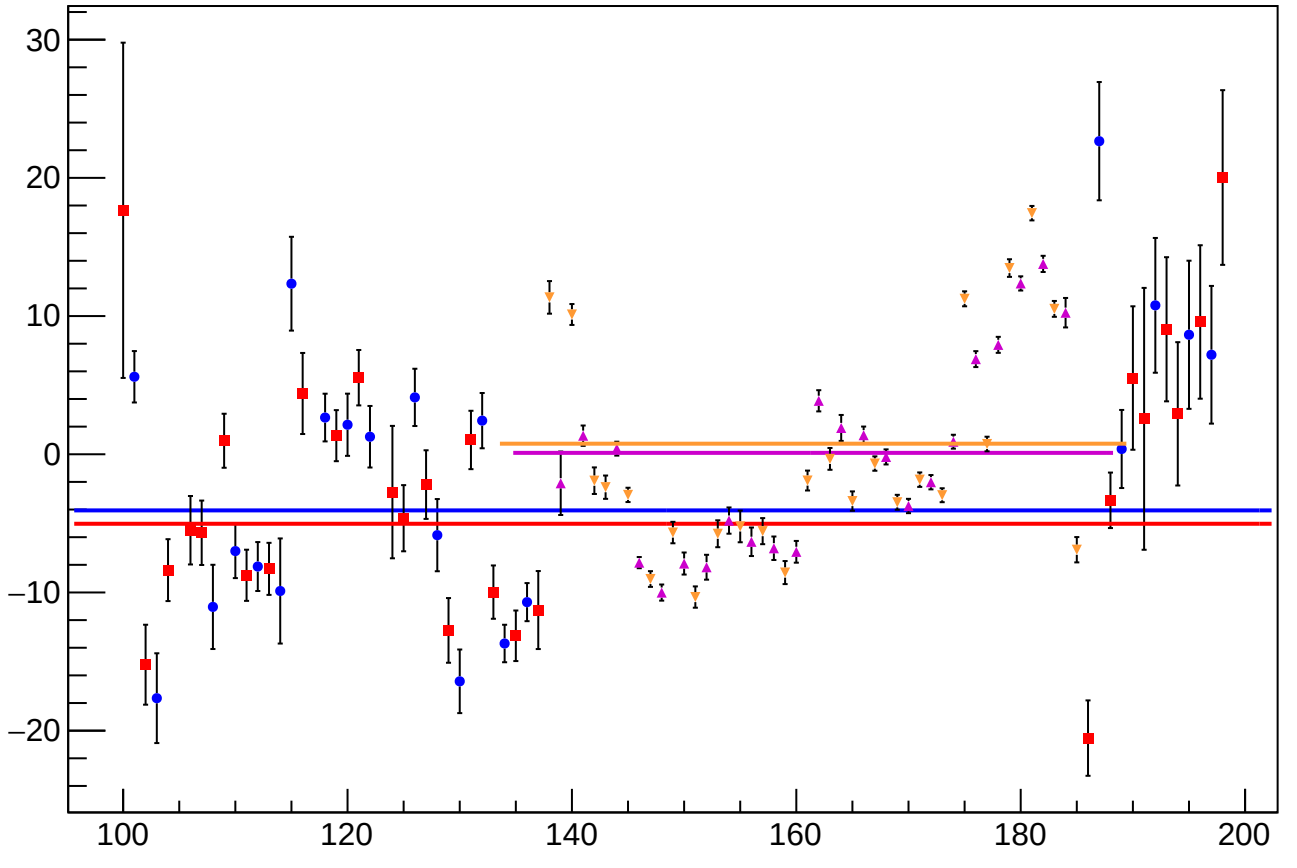
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

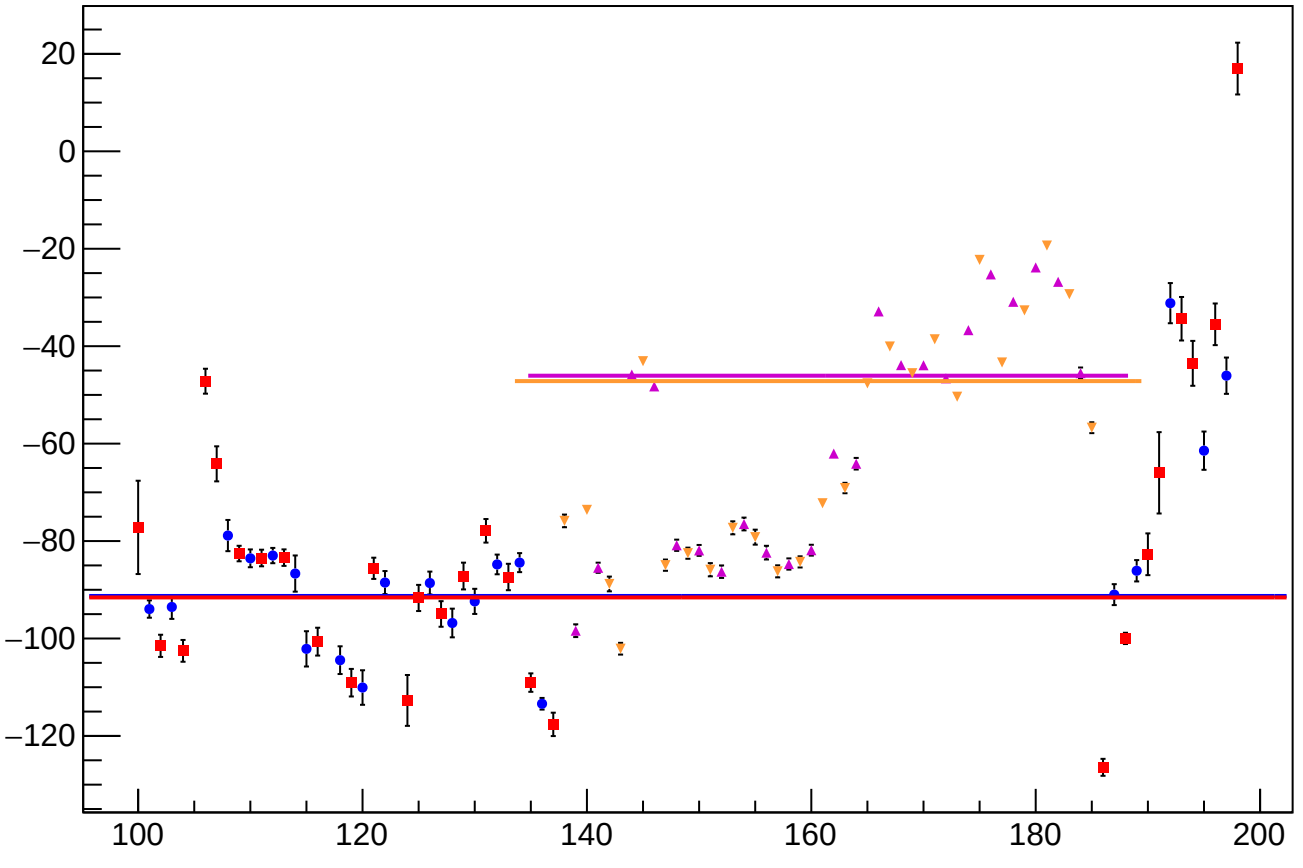
Right: -30.447+/-0.304 χ^2/NDF: 3348.3/47

In: -45.834+/-0.159 χ^2/NDF:9339.1/43

Out: -46.027+/-0.155 χ^2/NDF:13200.3/51

All: -45.933+/-0.111 χ^2/NDF: 22540.2/95


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: -4.061+/-0.491 χ²/NDF: 302.0/20
Left Out: 0.765+/-0.132 χ²/NDF:3467.2/24
Right Out: -5.029+/-0.487 χ²/NDF: 206.7/26
Left In: 0.102+/-0.133 χ²/NDF:2721.8/22
Left: 0.435+/-0.094 χ²/NDF: 6201.6/47
Right: -4.549+/-0.346 χ²/NDF: 510.7/47
In: -0.183+/-0.128 χ²/NDF:3090.8/43
Out: 0.368+/-0.128 χ²/NDF:3805.5/51
All: 0.094+/-0.090 χ²/NDF: 6905.6/95



Right In: -91.271+/-0.495 χ^2/NDF: 917.9/20

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -91.571+/-0.460 χ^2/NDF: 2126.3/26

Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

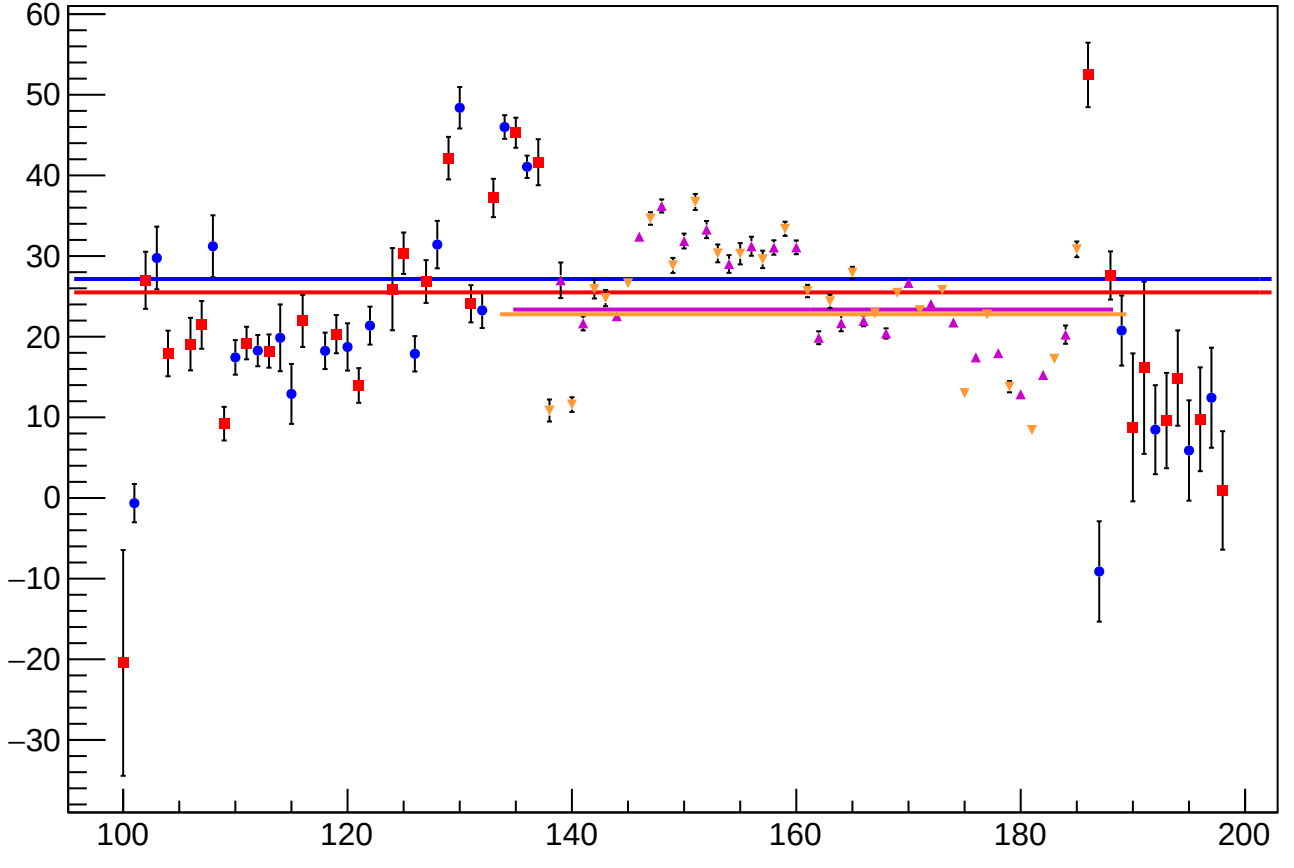
Left: -46.621+/-0.119 χ^2/NDF: 32449.9/47

Right: -91.432+/-0.337 χ^2/NDF: 3044.4/47

In: -50.844+/-0.161 χ^2/NDF:23160.2/43

Out: -52.366+/-0.157 χ^2/NDF:28008.2/51

All: -51.621+/-0.113 χ^2/NDF: 51214.2/95



Right In: 27.155+/-0.554 χ^2/NDF: 650.6/20

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.494+/-0.562 χ^2/NDF: 432.4/26

Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

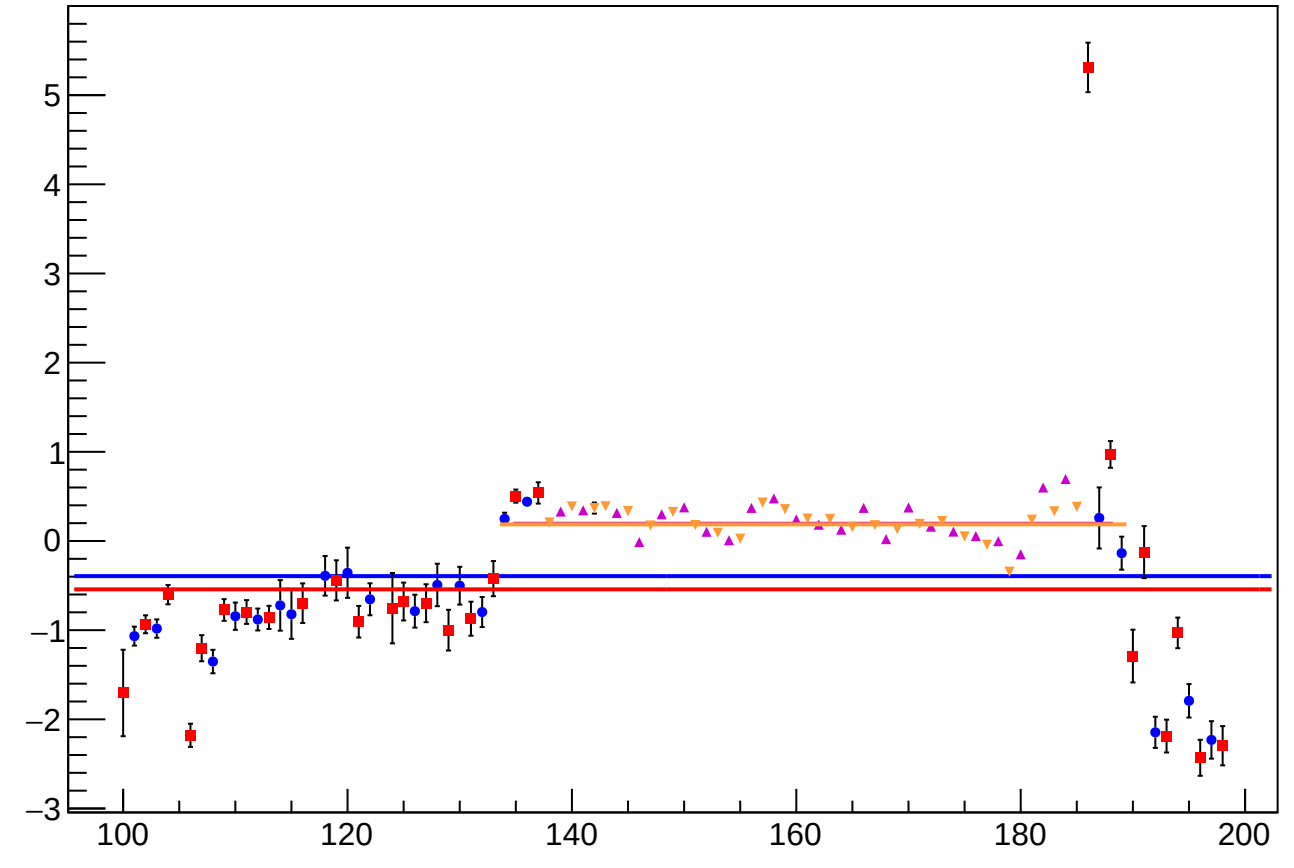
Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

Right: 26.336+/-0.395 χ^2/NDF: 1087.4/47

In: 23.620+/-0.144 χ^2/NDF:2479.5/43

Out: 22.956+/-0.143 χ^2/NDF:2867.1/51

All: 23.285+/-0.101 χ^2/NDF: 5357.4/95



Right In: -0.394+/-0.029 χ^2/NDF: 708.7/20

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.542+/-0.030 χ^2/NDF: 1304.9/26

Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

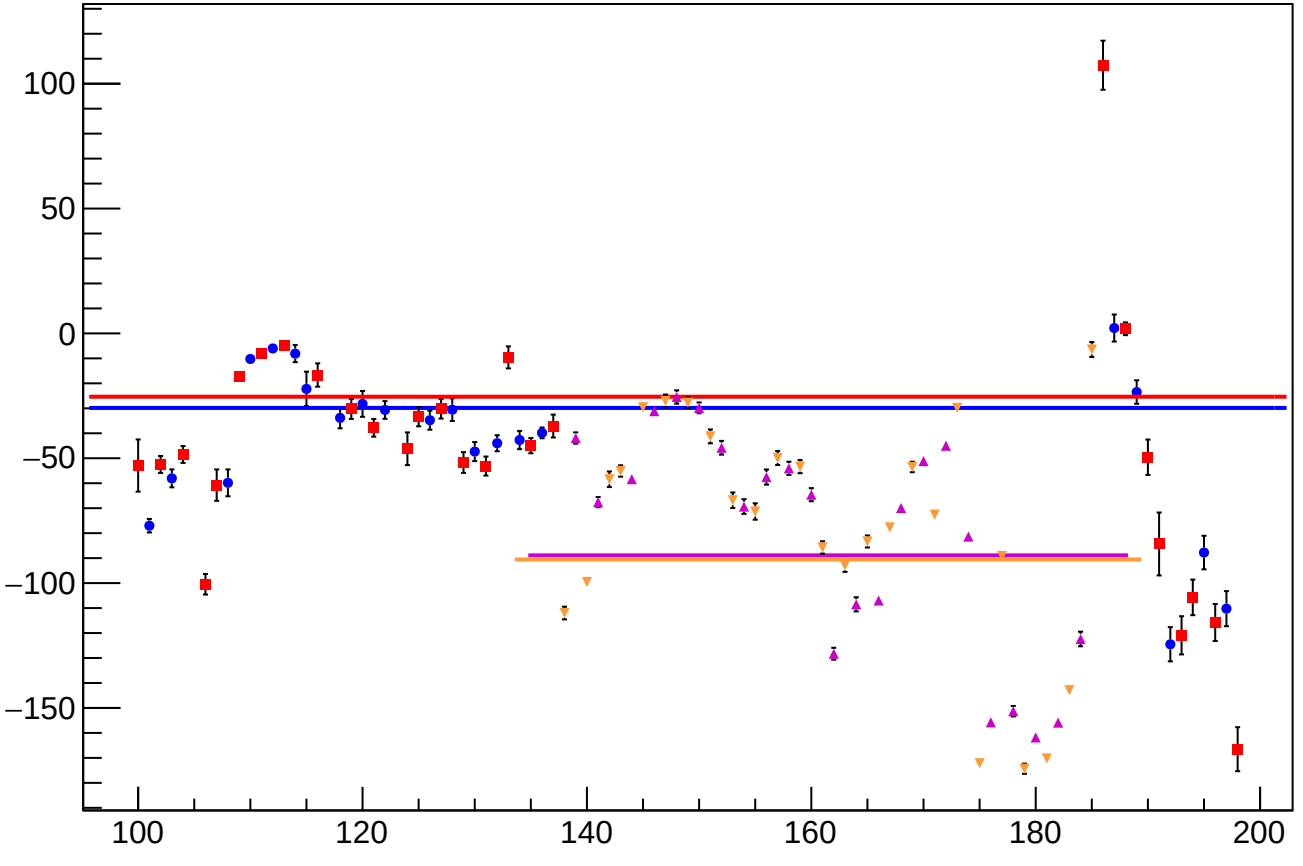
Right: -0.466+/-0.021 χ^2/NDF: 2026.3/47

In: 0.164+/-0.007 χ^2/NDF:2035.8/43

Out: 0.153+/-0.006 χ^2/NDF:2515.6/51

All: 0.158+/-0.005 χ^2/NDF: 4552.8/95

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -29.847+/-0.702 χ^2/NDF: 1334.1/20

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -25.358+/-0.628 χ^2/NDF: 2010.2/26

Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

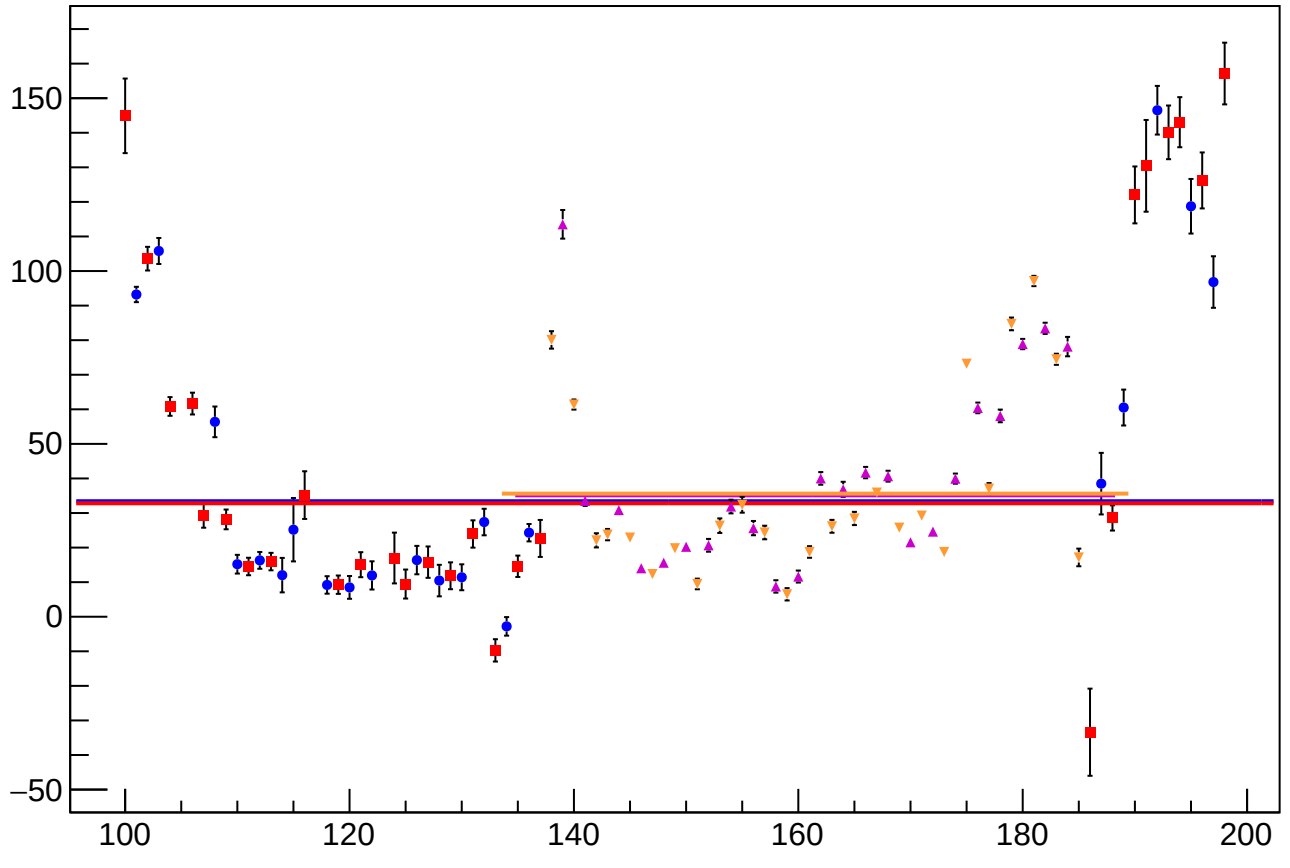
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -27.355+/-0.468 χ^2/NDF: 3367.1/47

In: -72.518+/-0.369 χ^2/NDF:18269.0/43

Out: -70.315+/-0.350 χ^2/NDF:24793.8/51

All: -71.357+/-0.254 χ^2/NDF: 43081.6/95



Right In: 33.412+/-0.781 χ^2/NDF: 2162.7/20

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 32.818+/-0.758 χ^2/NDF: 2175.9/26

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

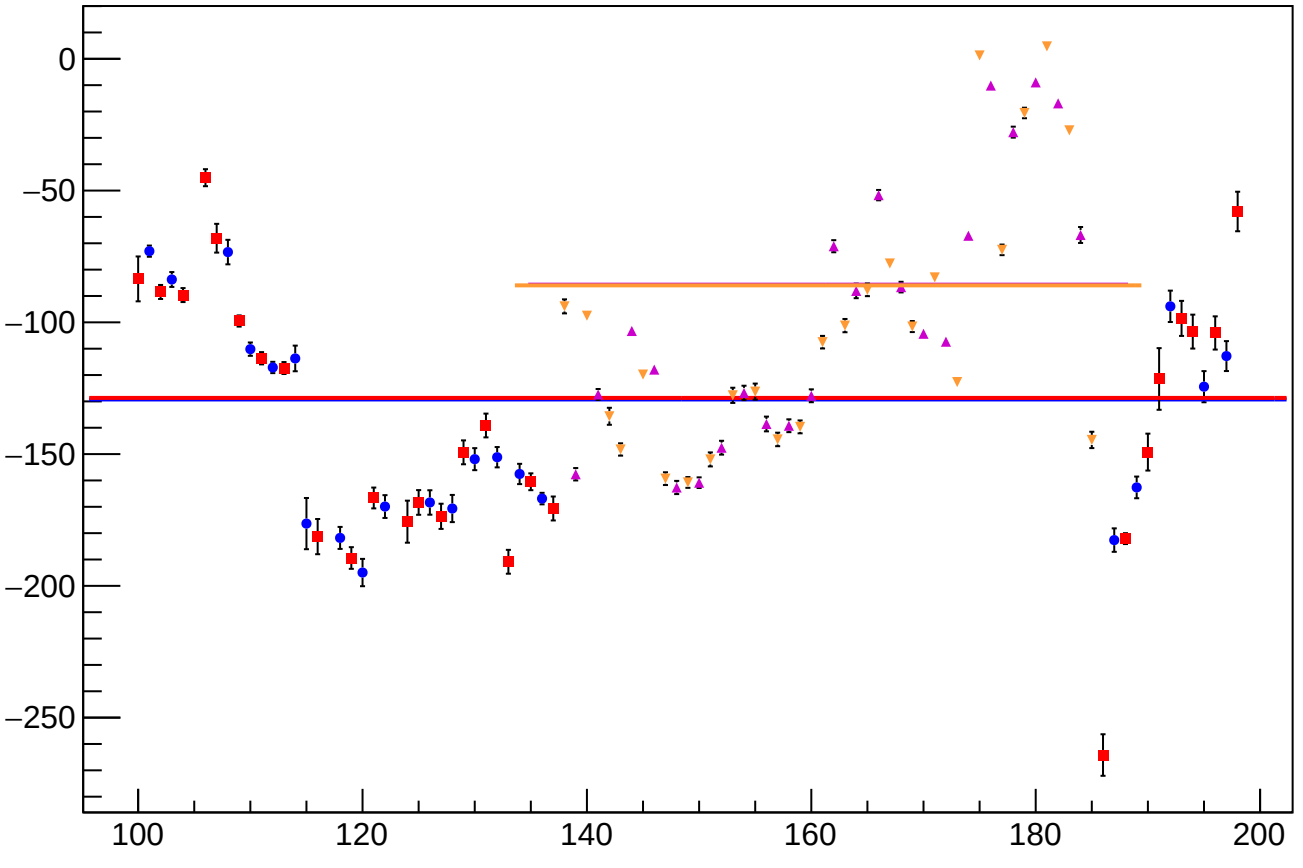
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 33.106+/-0.544 χ^2/NDF: 4338.9/47

In: 34.846+/-0.309 χ^2/NDF:6311.1/43

Out: 35.176+/-0.299 χ^2/NDF:8160.3/51

All: 35.016+/-0.215 χ^2/NDF: 14472.1/95



Right In: -129.266+/-0.778 χ^2/NDF: 2438.2/20

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -128.679+/-0.718 χ^2/NDF: 3602.8/26

Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

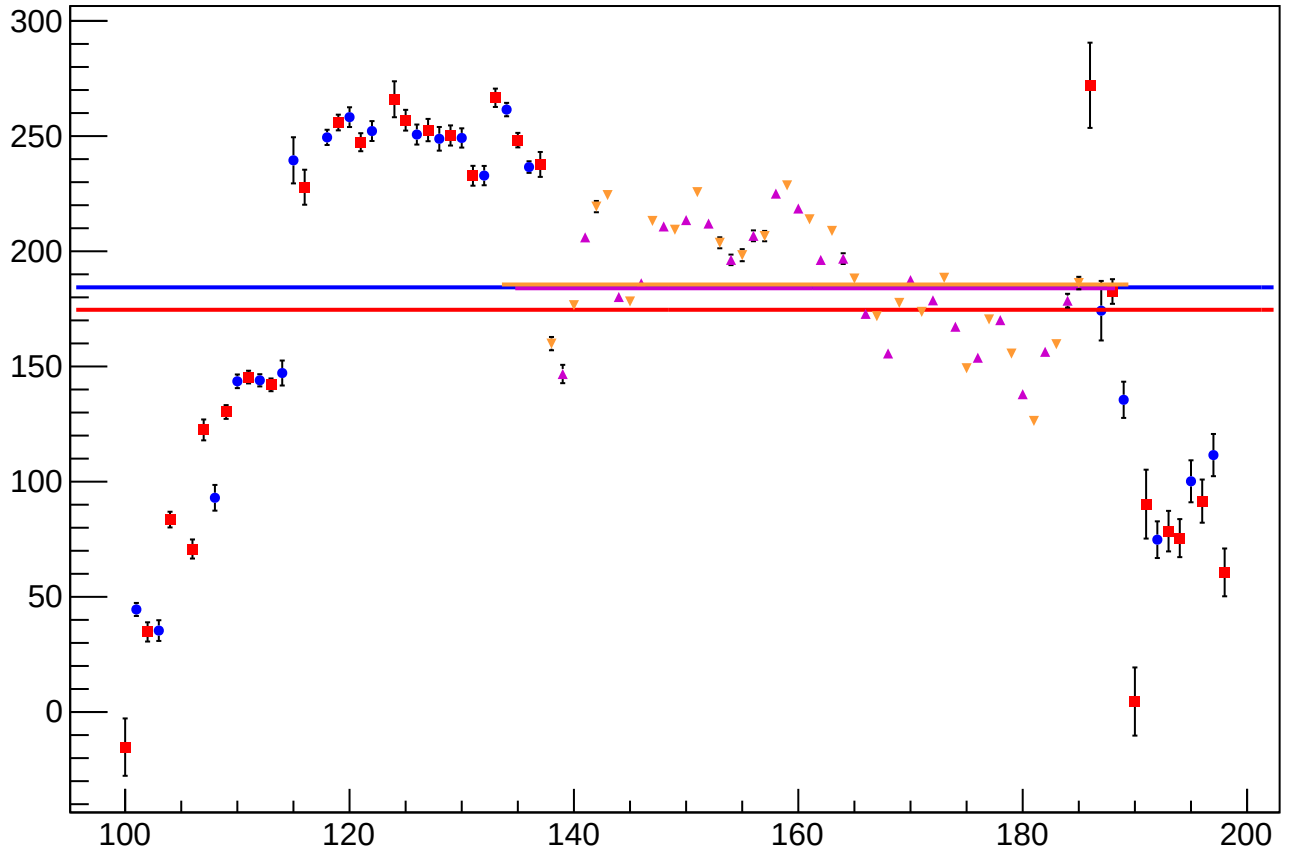
Left: -85.841+/-0.302 χ^2/NDF: 29991.4/47

Right: -128.949+/-0.528 χ^2/NDF: 6041.2/47

In: -95.984+/-0.378 χ^2/NDF:18590.7/43

Out: -96.890+/-0.363 χ^2/NDF:22469.5/51

All: -96.455+/-0.262 χ^2/NDF: 41063.2/95



Right In: 184.349+/-0.895 χ^2/NDF: 7512.2/20

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 174.607+/-0.874 χ^2/NDF: 7348.3/26

Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

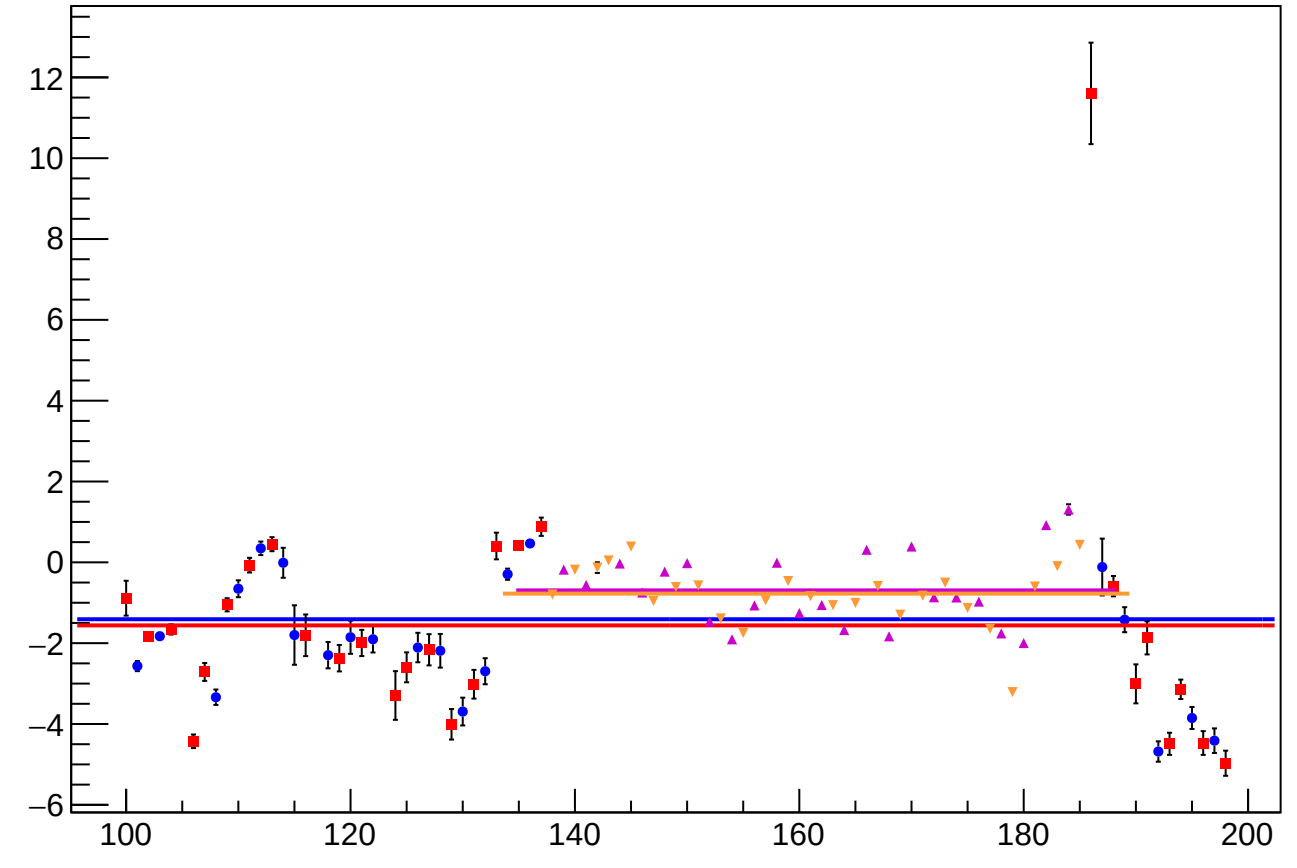
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 179.365+/-0.625 χ^2/NDF: 14921.1/47

In: 184.002+/-0.348 χ^2/NDF:11385.9/43

Out: 183.941+/-0.338 χ^2/NDF:12837.0/51

All: 183.971+/-0.243 χ^2/NDF: 24222.9/95



Right In: -1.408+/-0.045 χ^2/NDF: 1167.9/20

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.560+/-0.044 χ^2/NDF: 1541.8/26

Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

Left: -0.735+/-0.012 χ^2/NDF: 4399.9/47

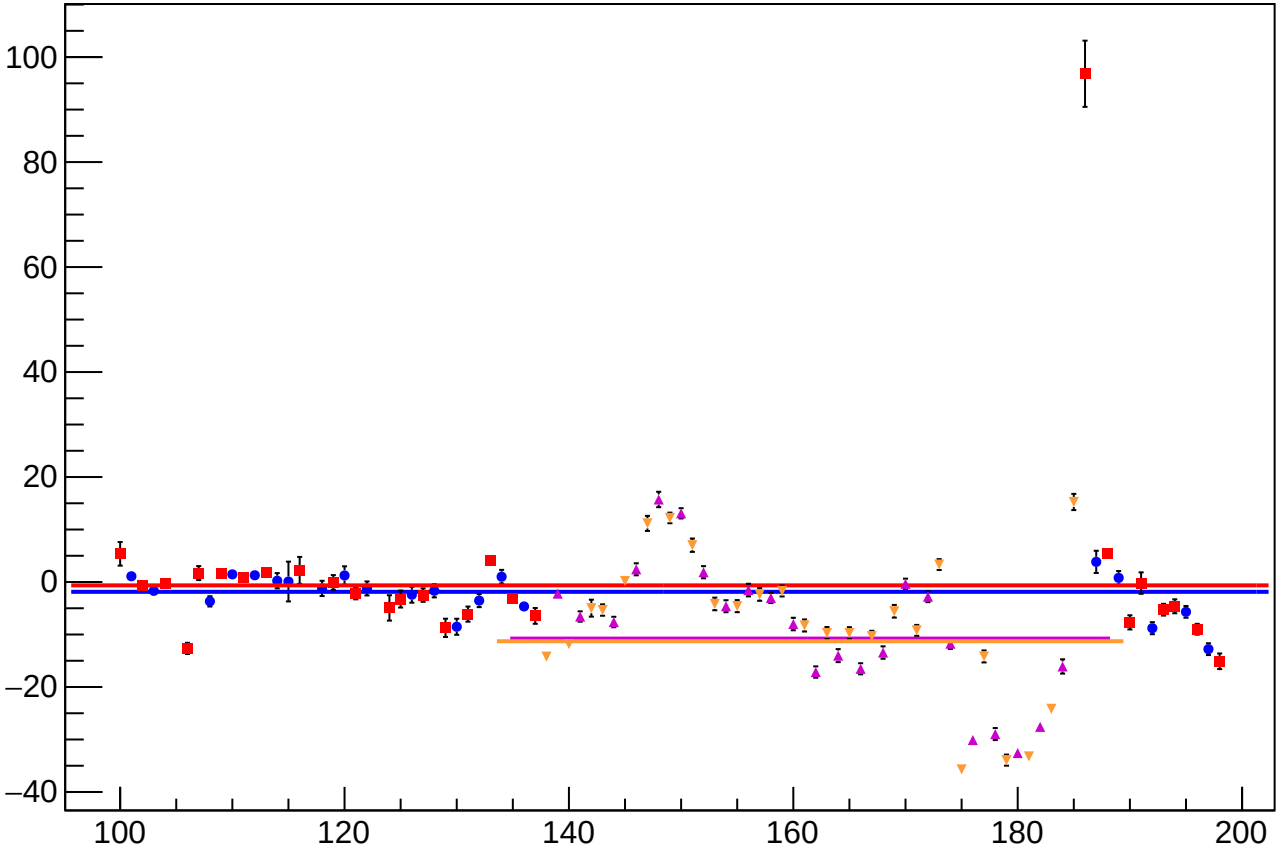
Right: -1.487+/-0.031 χ^2/NDF: 2715.5/47

In: -0.780+/-0.016 χ^2/NDF:3951.4/43

Out: -0.871+/-0.015 χ^2/NDF:3648.1/51

All: -0.827+/-0.011 χ^2/NDF: 7616.9/95

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.869+/-0.231 χ^2/NDF: 270.0/20

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.638+/-0.195 χ^2/NDF: 833.2/26

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

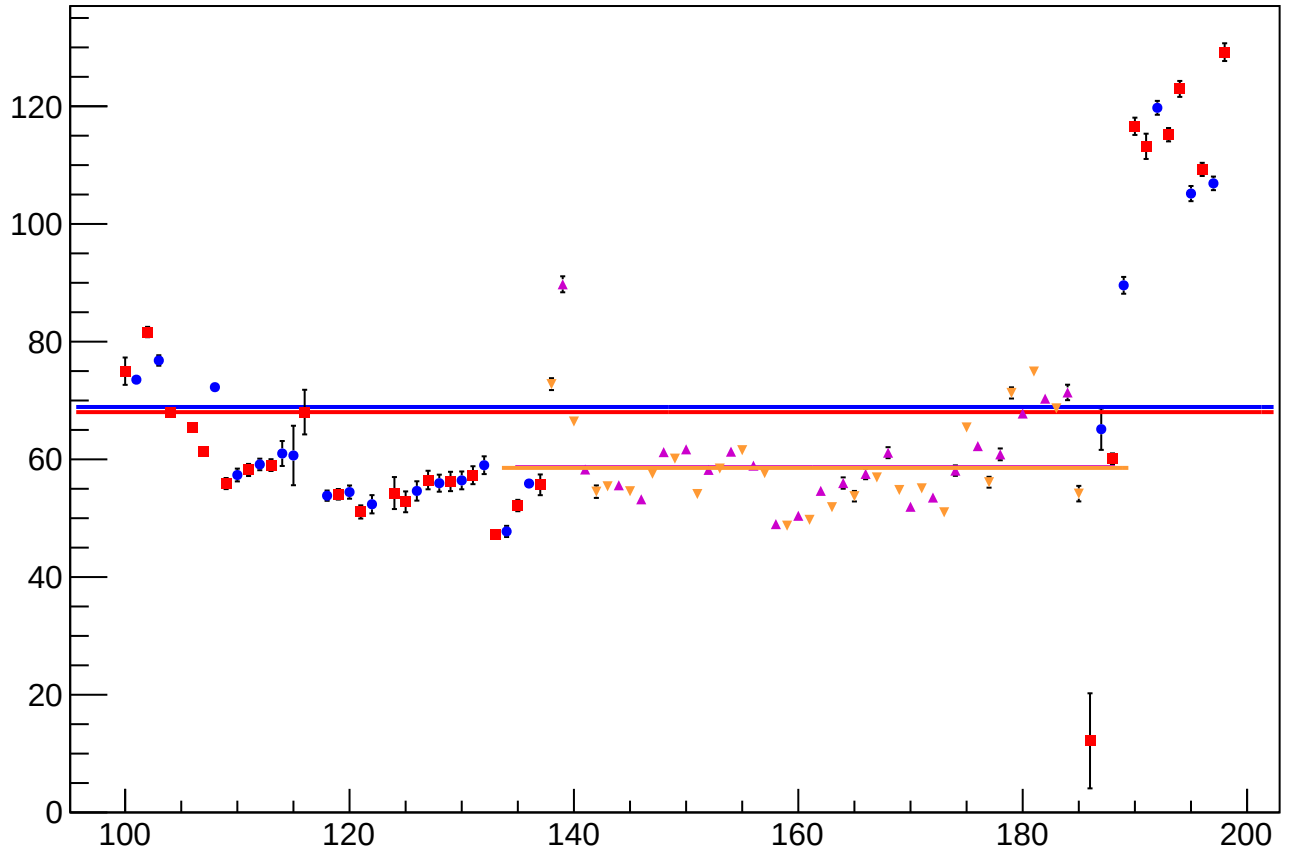
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -1.152+/-0.149 χ^2/NDF: 1119.7/47

In: -6.673+/-0.157 χ^2/NDF:4771.9/43

Out: -5.631+/-0.142 χ^2/NDF:6724.6/51

All: -6.102+/-0.105 χ^2/NDF: 11520.7/95



Right In: 68.899+/-0.244 χ^2/NDF: 5898.7/20

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 68.027+/-0.217 χ^2/NDF: 10746.4/26

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

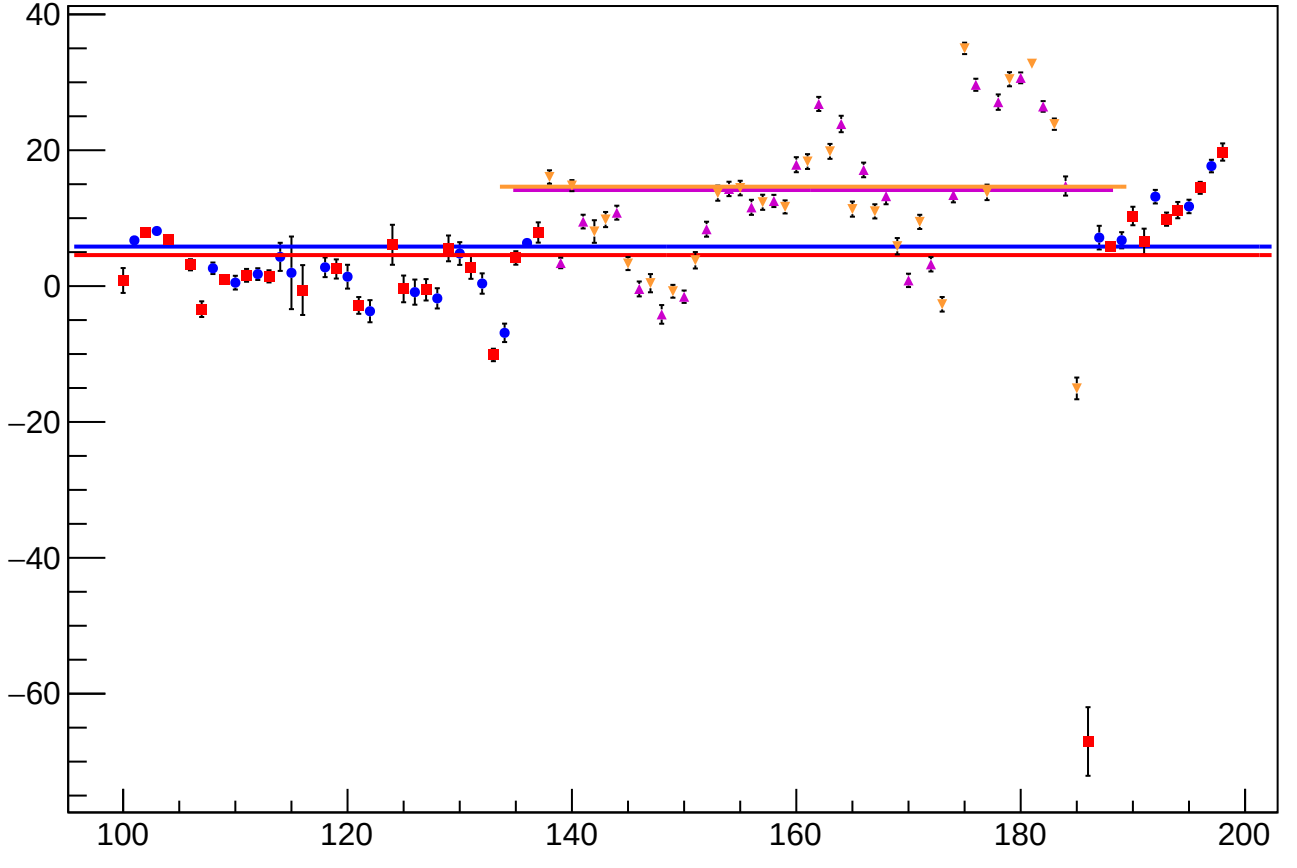
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 68.413+/-0.162 χ^2/NDF: 16652.3/47

In: 61.981+/-0.139 χ^2/NDF:8702.7/43

Out: 61.918+/-0.129 χ^2/NDF:13878.0/51

All: 61.948+/-0.095 χ^2/NDF: 22580.8/95



Right In: 5.817+/-0.233 χ^2/NDF: 519.4/20

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 4.565+/-0.200 χ^2/NDF: 1013.9/26

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

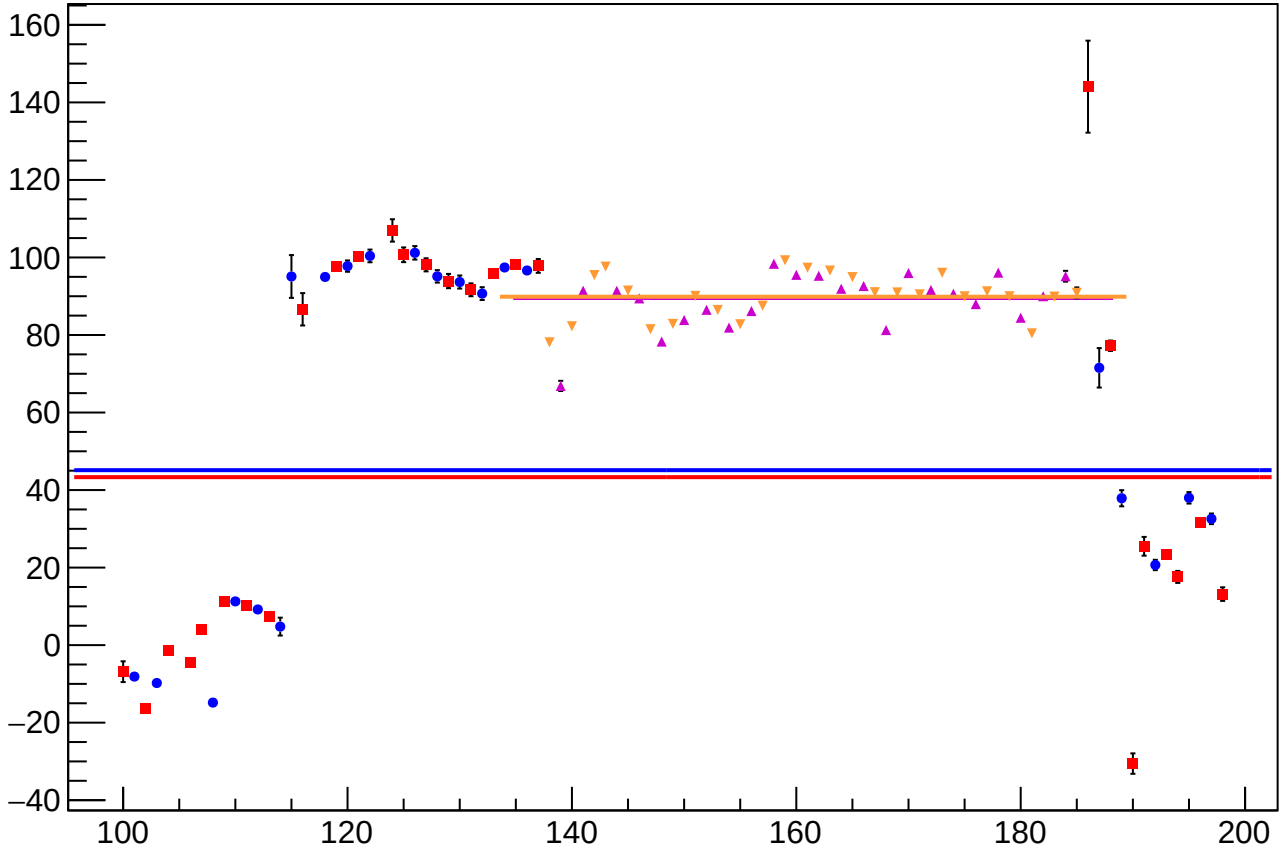
Right: 5.097+/-0.152 χ^2/NDF: 1549.9/47

In: 10.387+/-0.156 χ^2/NDF:3762.0/43

Out: 9.439+/-0.144 χ^2/NDF:5200.4/51

All: 9.873+/-0.106 χ^2/NDF: 8982.3/95

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 45.131+/-0.284 χ^2/NDF: 27425.7/20

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 43.329+/-0.257 χ^2/NDF: 31434.5/26

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

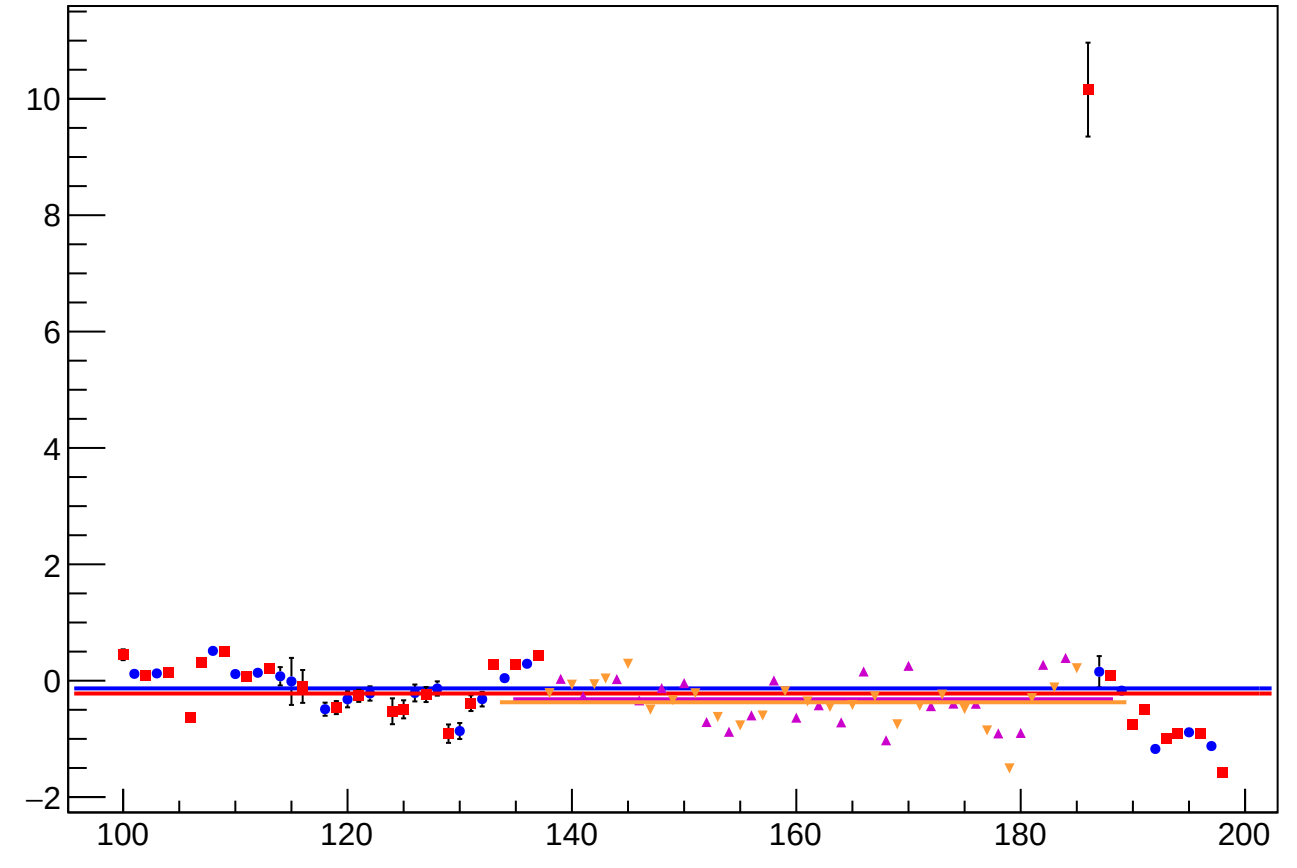
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

Right: 44.138+/-0.191 χ^2/NDF: 58882.3/47

In: 76.084+/-0.157 χ^2/NDF:45514.3/43

Out: 74.407+/-0.148 χ^2/NDF:54470.3/51

All: 75.198+/-0.108 χ^2/NDF: 100045.3/95



Right In: -0.132+/-0.012 χ^2/NDF: 2169.7/20

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.220+/-0.011 χ^2/NDF: 2968.2/26

Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

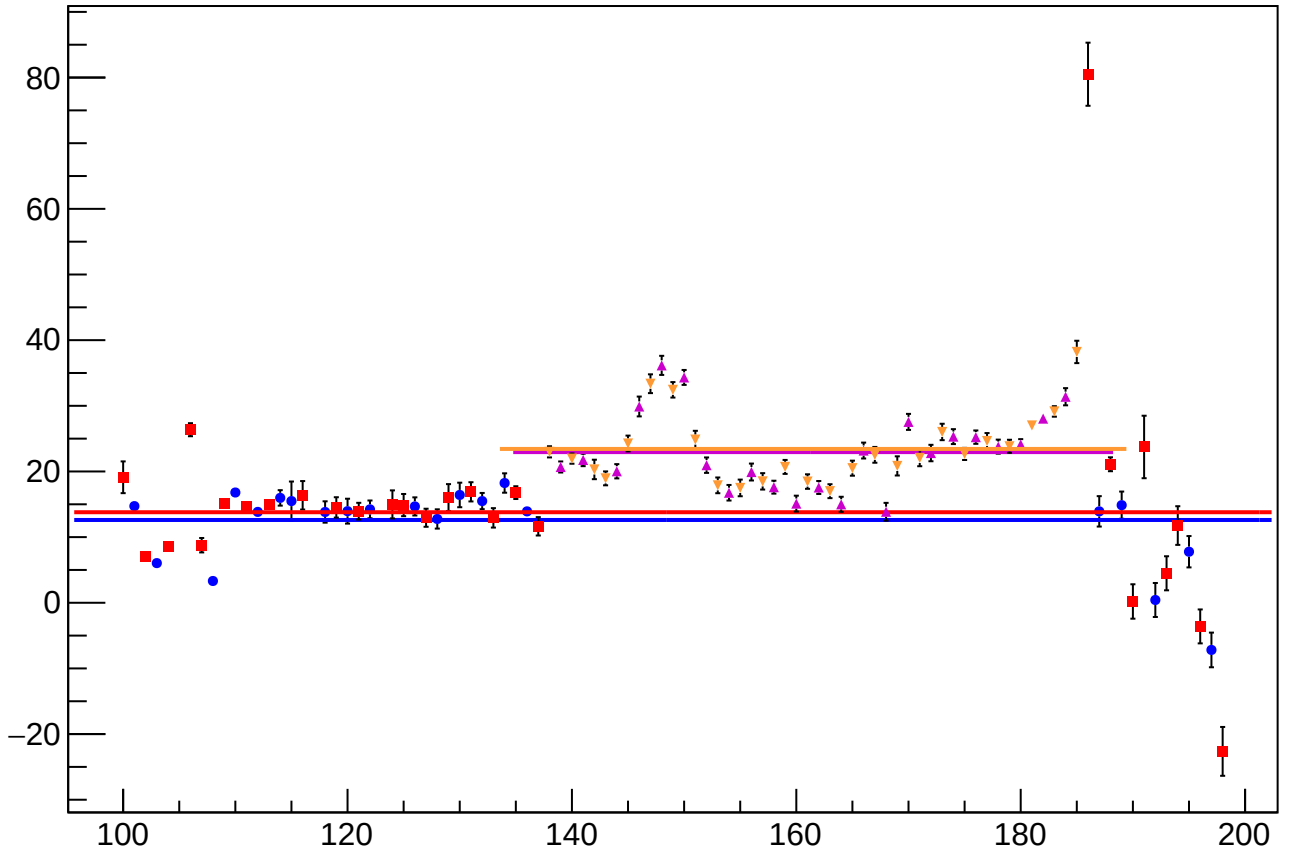
Left: -0.345+/-0.006 χ^2/NDF: 4230.8/47

Right: -0.181+/-0.008 χ^2/NDF: 5167.0/47

In: -0.261+/-0.007 χ^2/NDF:4776.0/43

Out: -0.318+/-0.006 χ^2/NDF:4859.7/51

All: -0.291+/-0.005 χ^2/NDF: 9672.8/95



Right In: 12.610+/-0.210 χ^2/NDF: 473.0/20

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.792+/-0.198 χ^2/NDF: 830.1/26

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

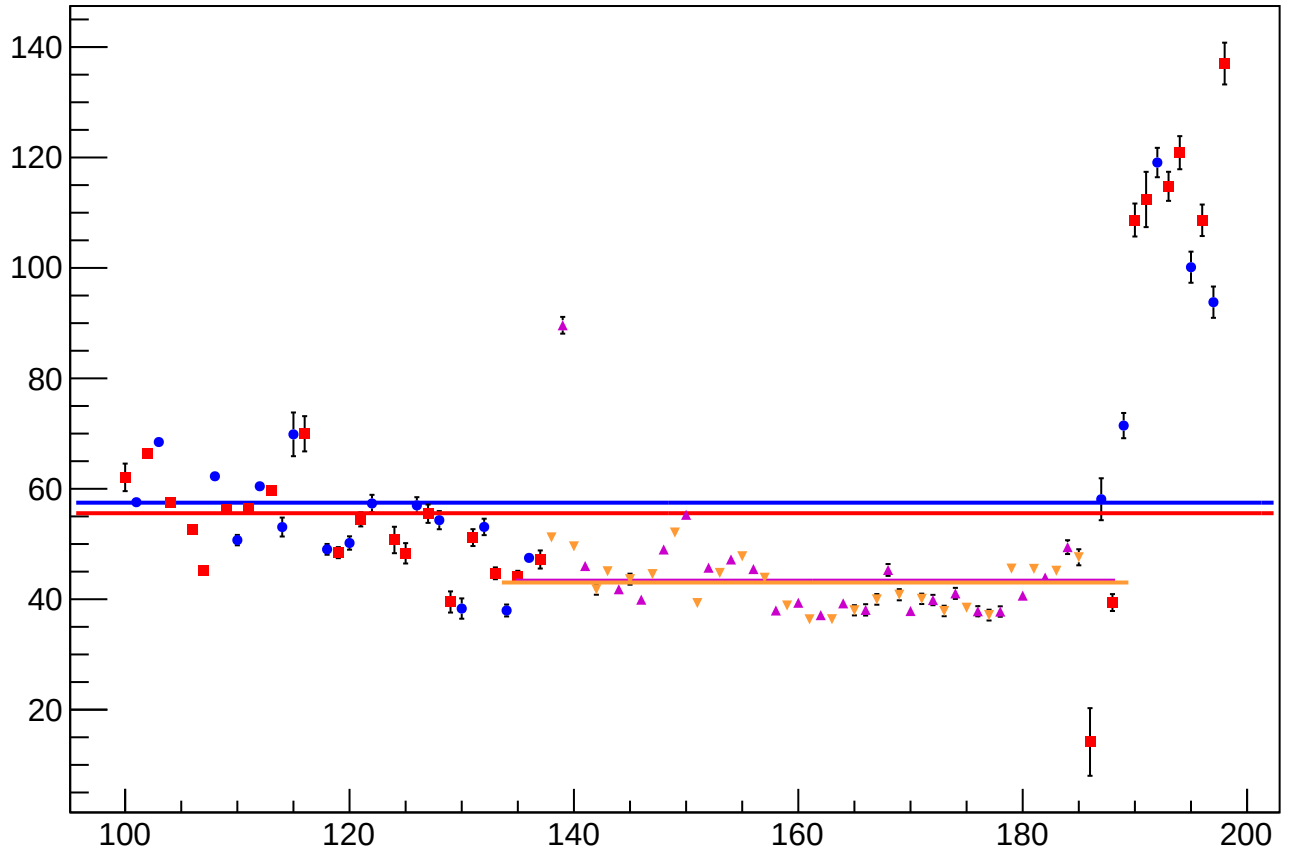
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

Right: 13.237+/-0.144 χ^2/NDF: 1319.8/47

In: 17.411+/-0.154 χ^2/NDF:2165.5/43

Out: 18.187+/-0.146 χ^2/NDF:2342.9/51

All: 17.819+/-0.106 χ^2/NDF: 4521.8/95



Right In: 57.487+/-0.218 χ^2/NDF: 2076.6/20

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 55.580+/-0.219 χ^2/NDF: 3438.5/26

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

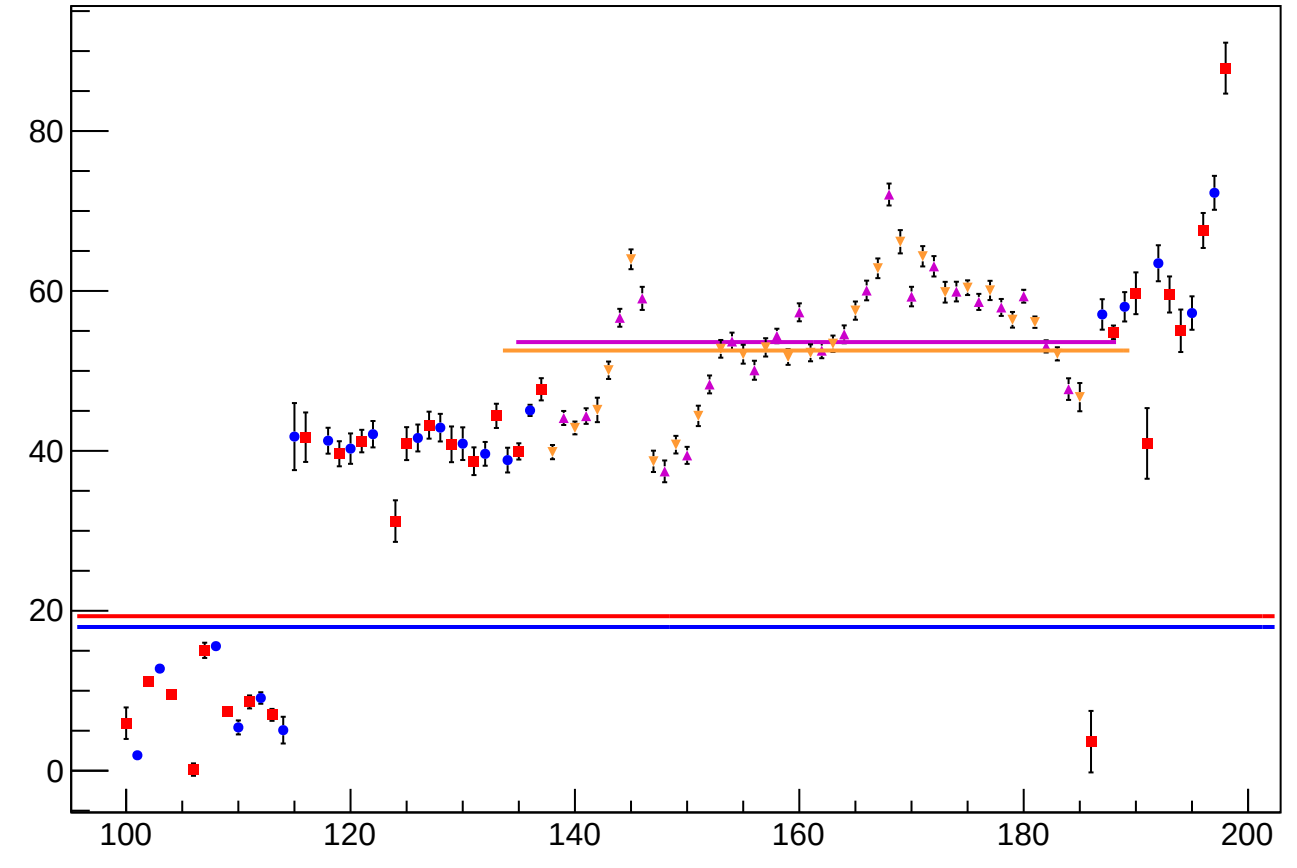
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 56.535+/-0.155 χ^2/NDF: 5553.2/47

In: 48.965+/-0.138 χ^2/NDF:6284.7/43

Out: 47.659+/-0.133 χ^2/NDF:6295.7/51

All: 48.290+/-0.096 χ^2/NDF: 12627.1/95



Right In: 17.973+/-0.208 χ^2/NDF: 7615.5/20

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 19.323+/-0.208 χ^2/NDF: 7667.3/26

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

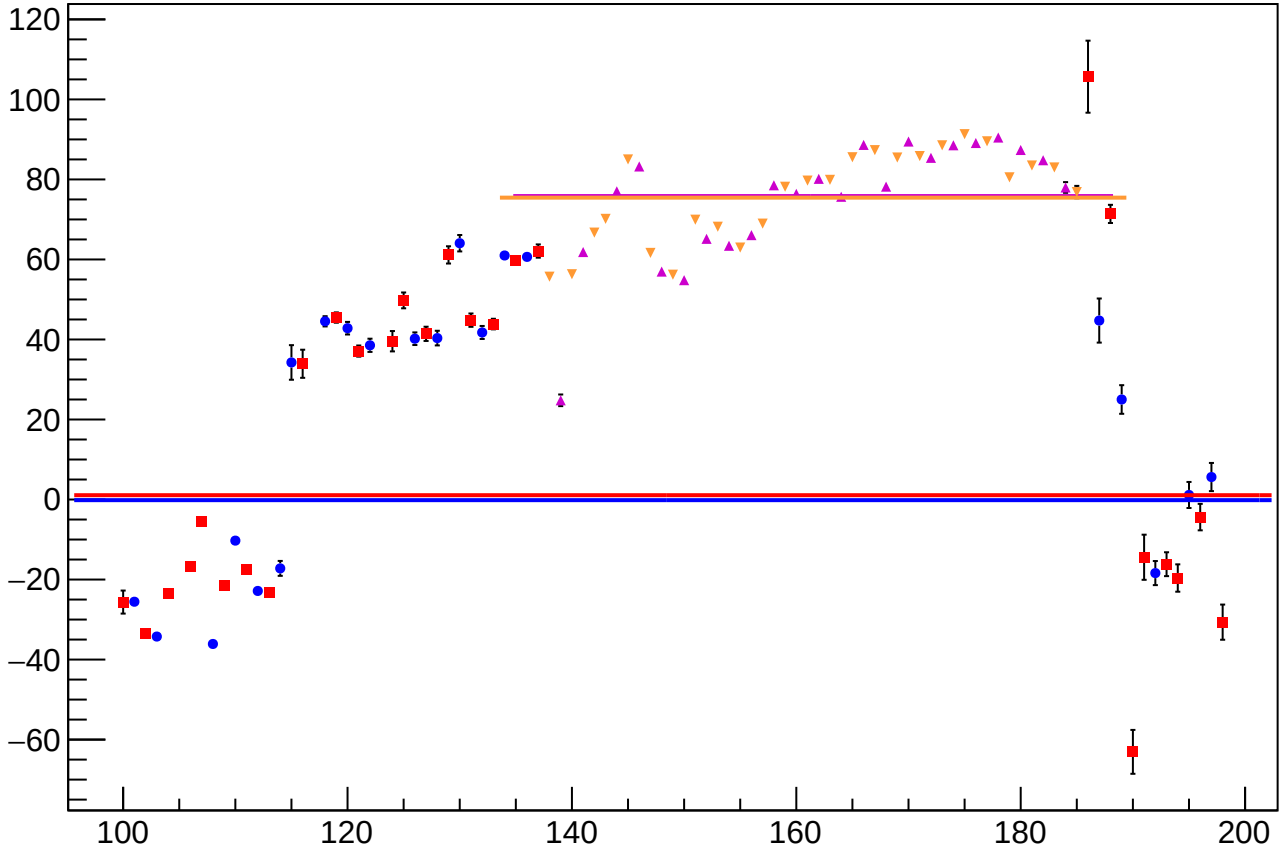
Right: 18.649+/-0.147 χ^2/NDF: 15303.9/47

In: 34.580+/-0.152 χ^2/NDF:22275.9/43

Out: 35.422+/-0.149 χ^2/NDF:21213.1/51

All: 35.009+/-0.107 χ^2/NDF: 43504.6/95

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.158+/-0.258 χ^2/NDF: 21186.5/20

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 1.081+/-0.258 χ^2/NDF: 17393.6/26

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

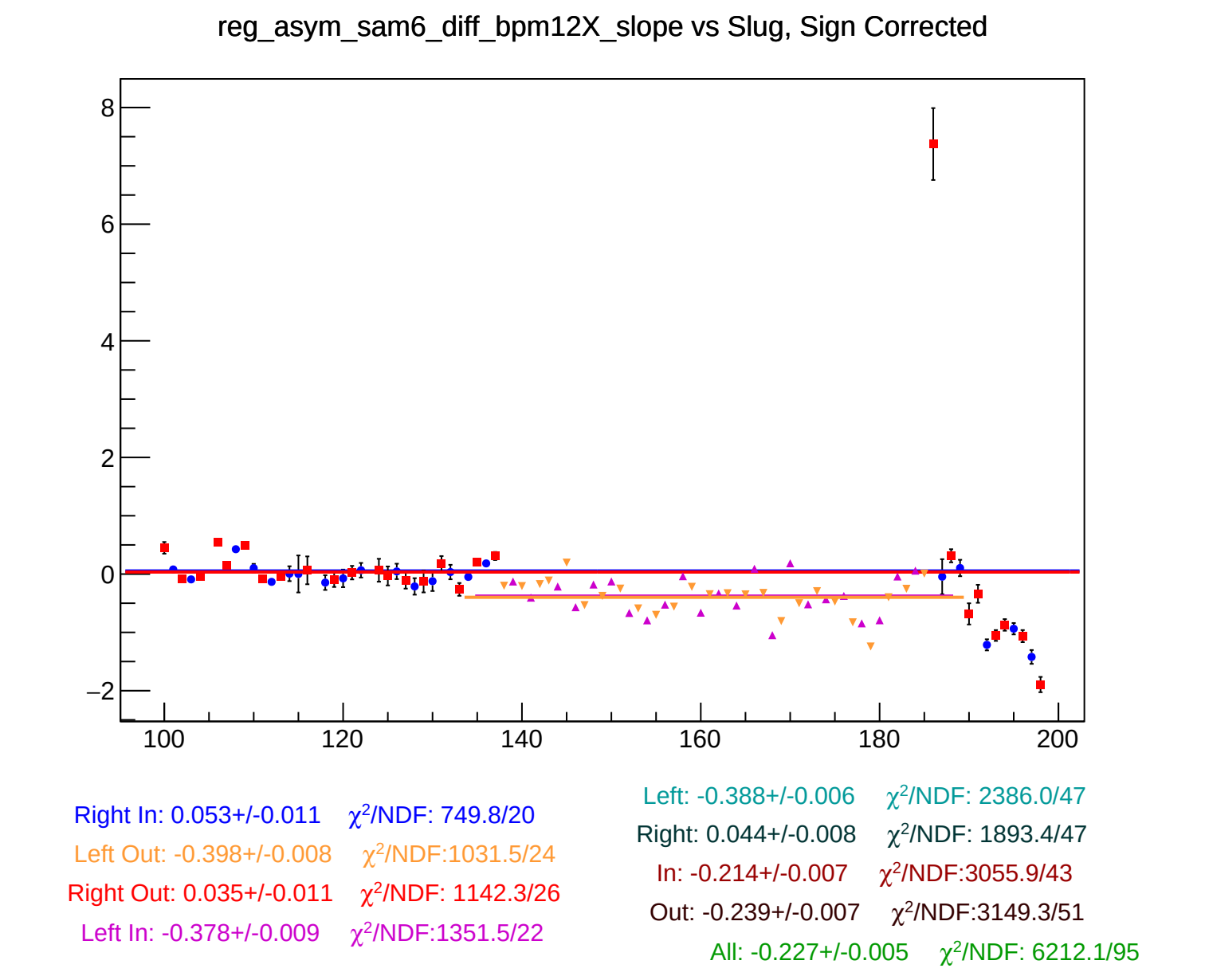
Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

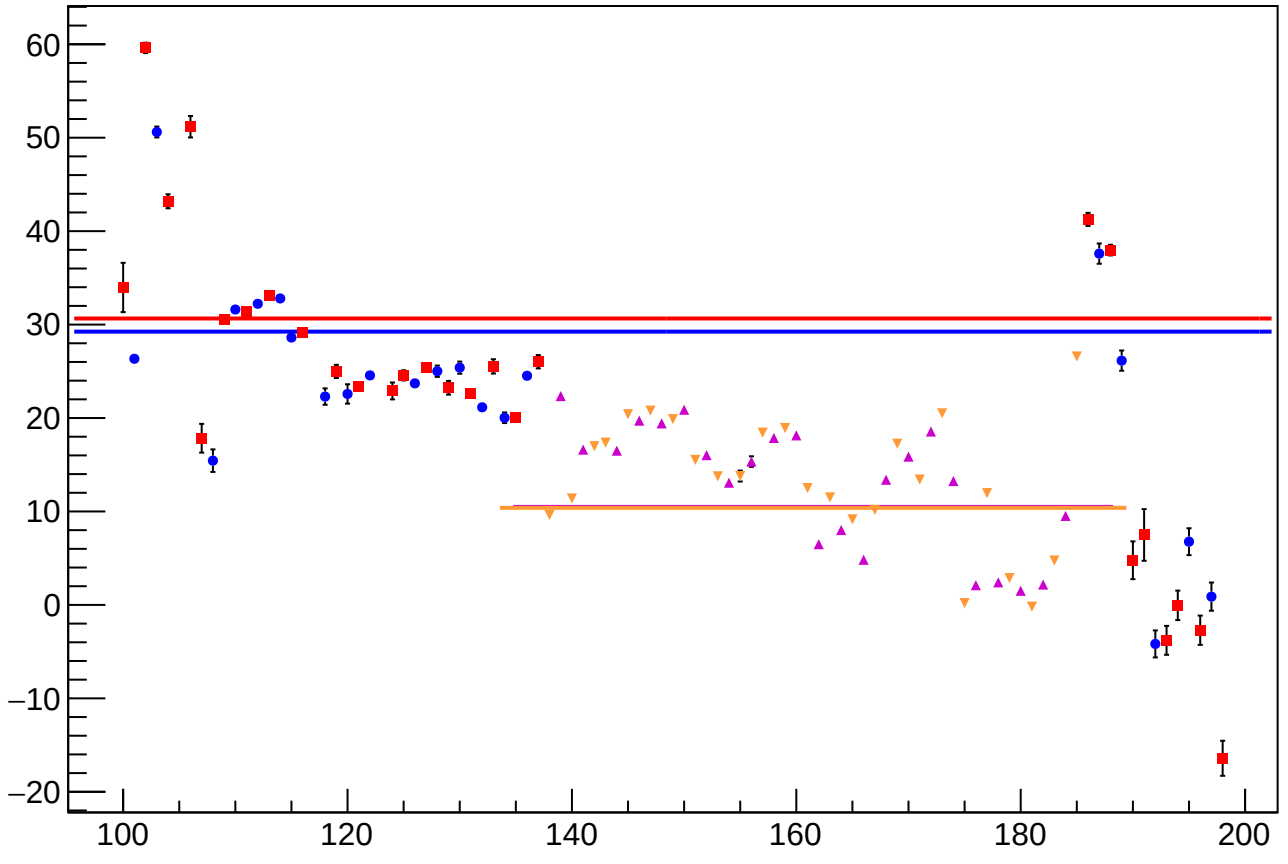
Right: 0.461+/-0.182 χ^2/NDF: 38591.6/47

In: 47.796+/-0.157 χ^2/NDF:80236.2/43

Out: 49.618+/-0.152 χ^2/NDF:75015.0/51

All: 48.734+/-0.109 χ^2/NDF: 155320.7/95


reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: 0.053+/-0.011 χ²/NDF: 749.8/20
Left Out: -0.398+/-0.008 χ²/NDF:1031.5/24
Right Out: 0.035+/-0.011 χ²/NDF: 1142.3/26
Left In: -0.378+/-0.009 χ²/NDF:1351.5/22
Left: -0.388+/-0.006 χ²/NDF: 2386.0/47
Right: 0.044+/-0.008 χ²/NDF: 1893.4/47
In: -0.214+/-0.007 χ²/NDF:3055.9/43
Out: -0.239+/-0.007 χ²/NDF:3149.3/51
All: -0.227+/-0.005 χ²/NDF: 6212.1/95



Right In: 29.247+/-0.091 χ^2/NDF: 4582.8/20

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.652+/-0.078 χ^2/NDF: 7667.4/26

Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

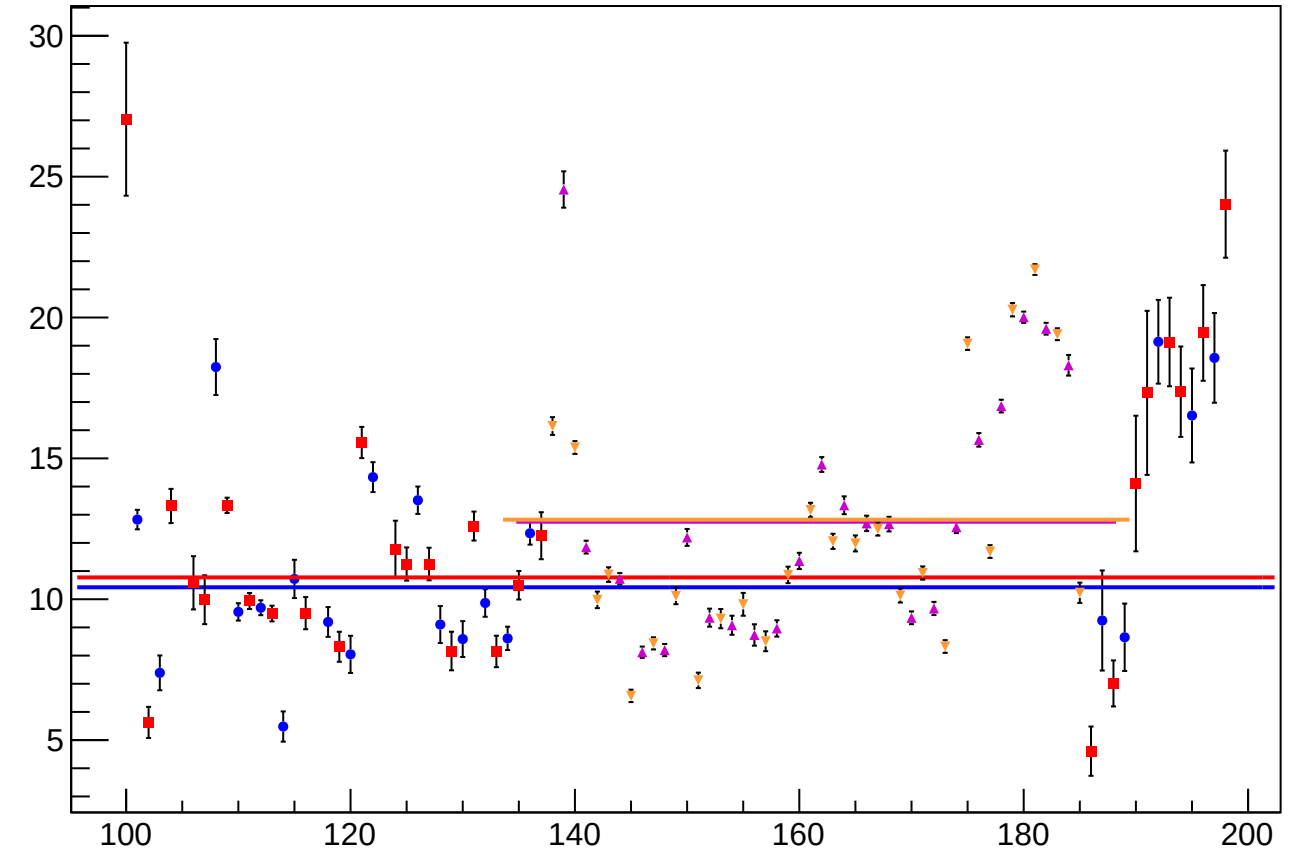
Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

Right: 30.051+/-0.059 χ^2/NDF: 12387.4/47

In: 17.076+/-0.054 χ^2/NDF:43789.6/43

Out: 18.511+/-0.050 χ^2/NDF:61474.9/51

All: 17.851+/-0.036 χ^2/NDF: 105648.6/95



Right In: 10.424+/-0.112 χ^2/NDF: 480.0/20

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.775+/-0.110 χ^2/NDF: 613.6/26

Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

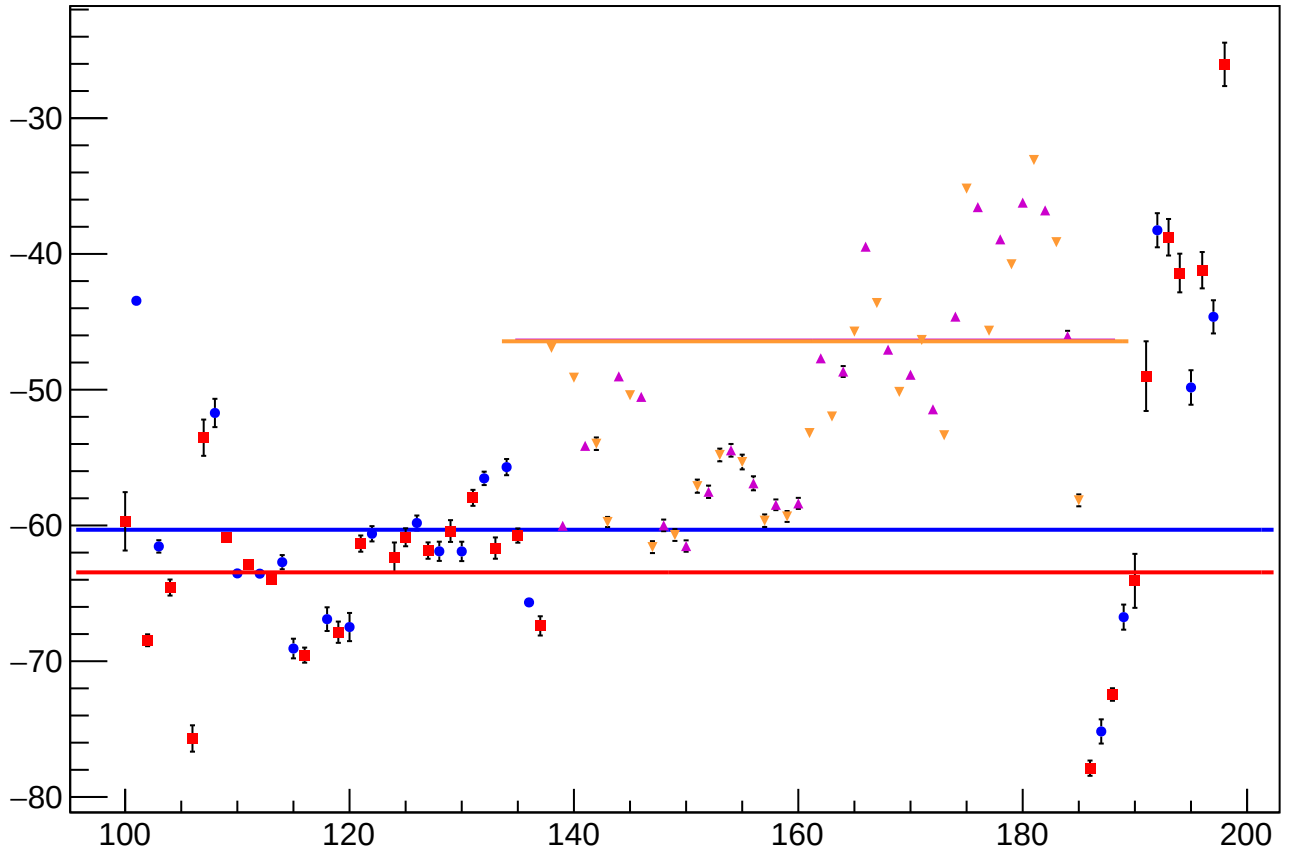
Left: 12.790+/-0.037 χ^2/NDF: 13520.0/47

Right: 10.603+/-0.079 χ^2/NDF: 1098.6/47

In: 12.330+/-0.048 χ^2/NDF:6333.9/43

Out: 12.460+/-0.046 χ^2/NDF:8916.9/51

All: 12.397+/-0.033 χ^2/NDF: 15254.6/95



Right In: -60.317+/-0.110 χ^2/NDF: 4464.8/20

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.455+/-0.101 χ^2/NDF: 3328.7/26

Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

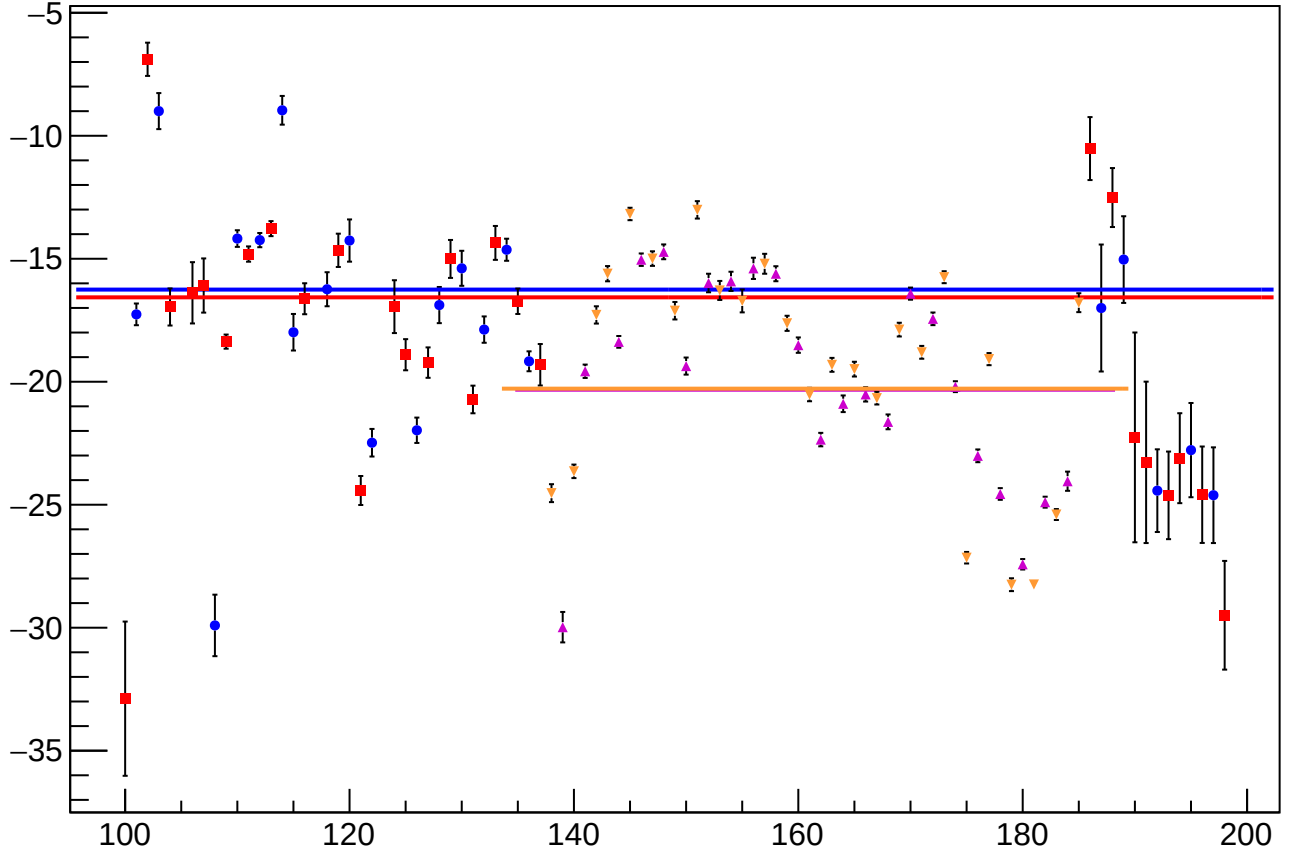
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

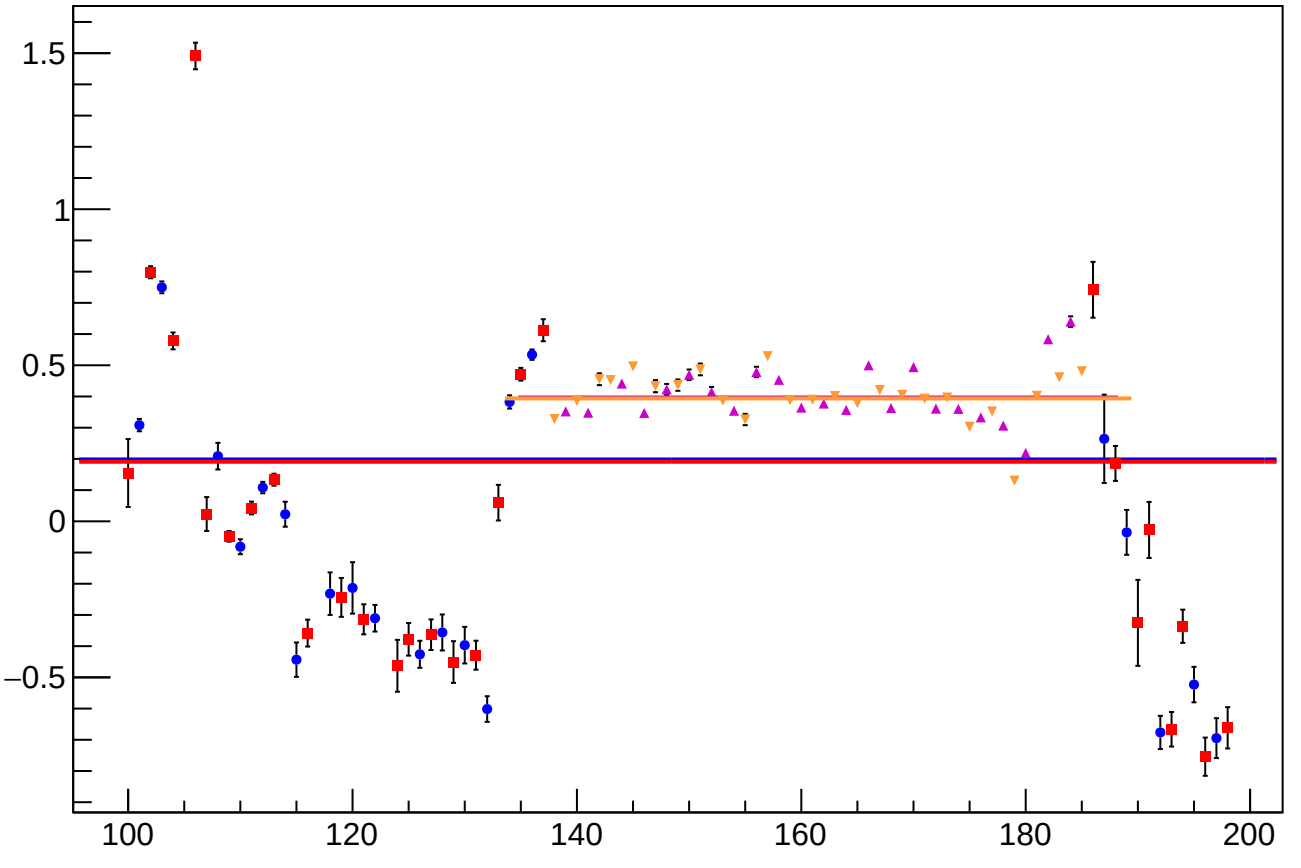
Right: -62.013+/-0.075 χ^2/NDF: 8233.4/47

In: -50.137+/-0.057 χ^2/NDF:31269.8/43

Out: -51.327+/-0.054 χ^2/NDF:41560.4/51

All: -50.761+/-0.039 χ^2/NDF: 73057.8/95


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: -16.254+/-0.126 χ²/NDF: 852.0/20
Left Out: -20.281+/-0.057 χ²/NDF:7019.5/24
Right Out: -16.569+/-0.122 χ²/NDF: 808.8/26
Left In: -20.324+/-0.059 χ²/NDF:4272.7/22
Left: -20.302+/-0.041 χ²/NDF: 11292.4/47
Right: -16.416+/-0.088 χ²/NDF: 1664.1/47
In: -19.589+/-0.053 χ²/NDF:5982.7/43
Out: -19.617+/-0.052 χ²/NDF:8585.5/51
All: -19.603+/-0.037 χ²/NDF: 14568.3/95



Right In: 0.198+/-0.007 χ^2/NDF: 3300.7/20

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.191+/-0.007 χ^2/NDF: 4436.0/26

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

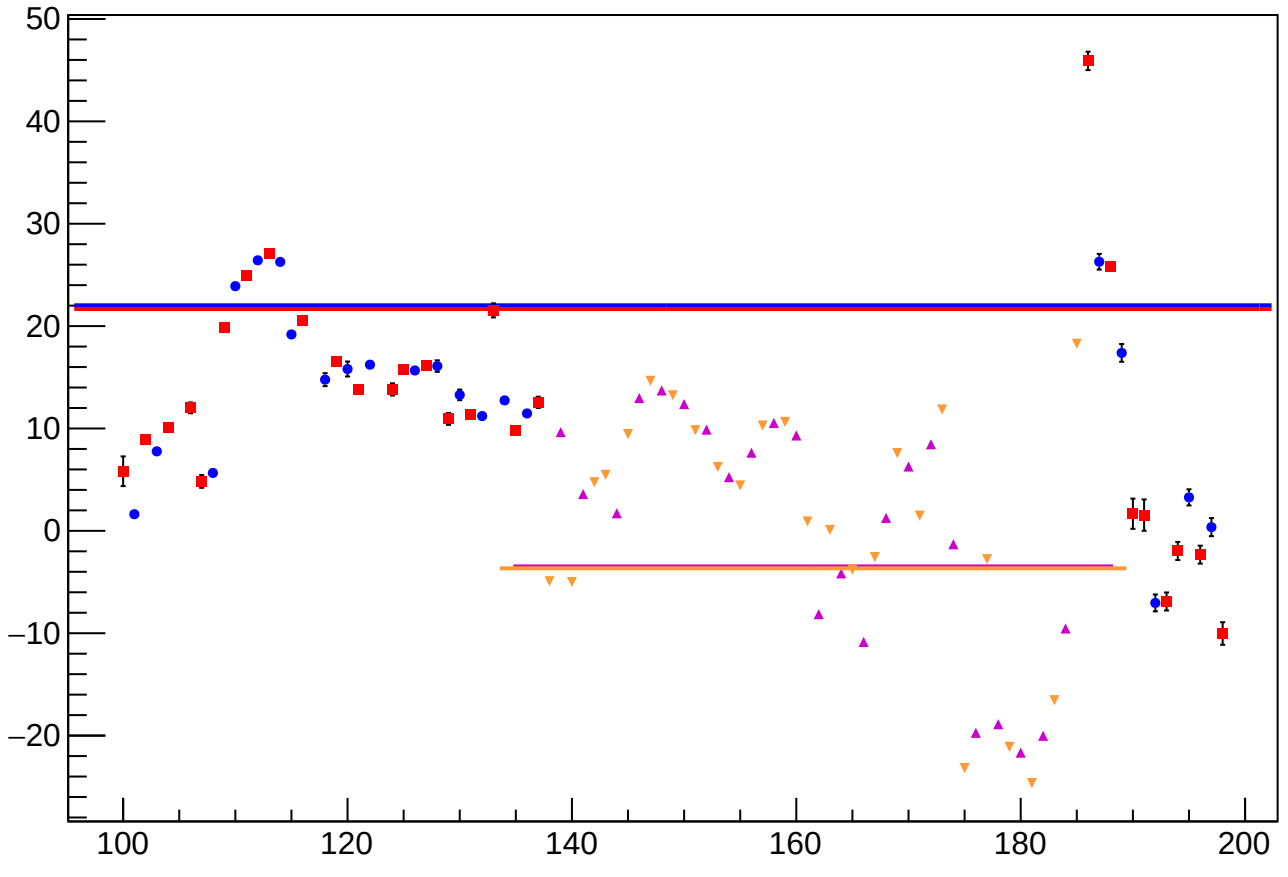
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.195+/-0.005 χ^2/NDF: 7737.3/47

In: 0.371+/-0.002 χ^2/NDF:5324.4/43

Out: 0.369+/-0.002 χ^2/NDF:6164.0/51

All: 0.370+/-0.002 χ^2/NDF: 11489.0/95



Right In: 22.032+/-0.056 χ^2/NDF: 14836.9/20

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.672+/-0.046 χ^2/NDF: 15235.0/26

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

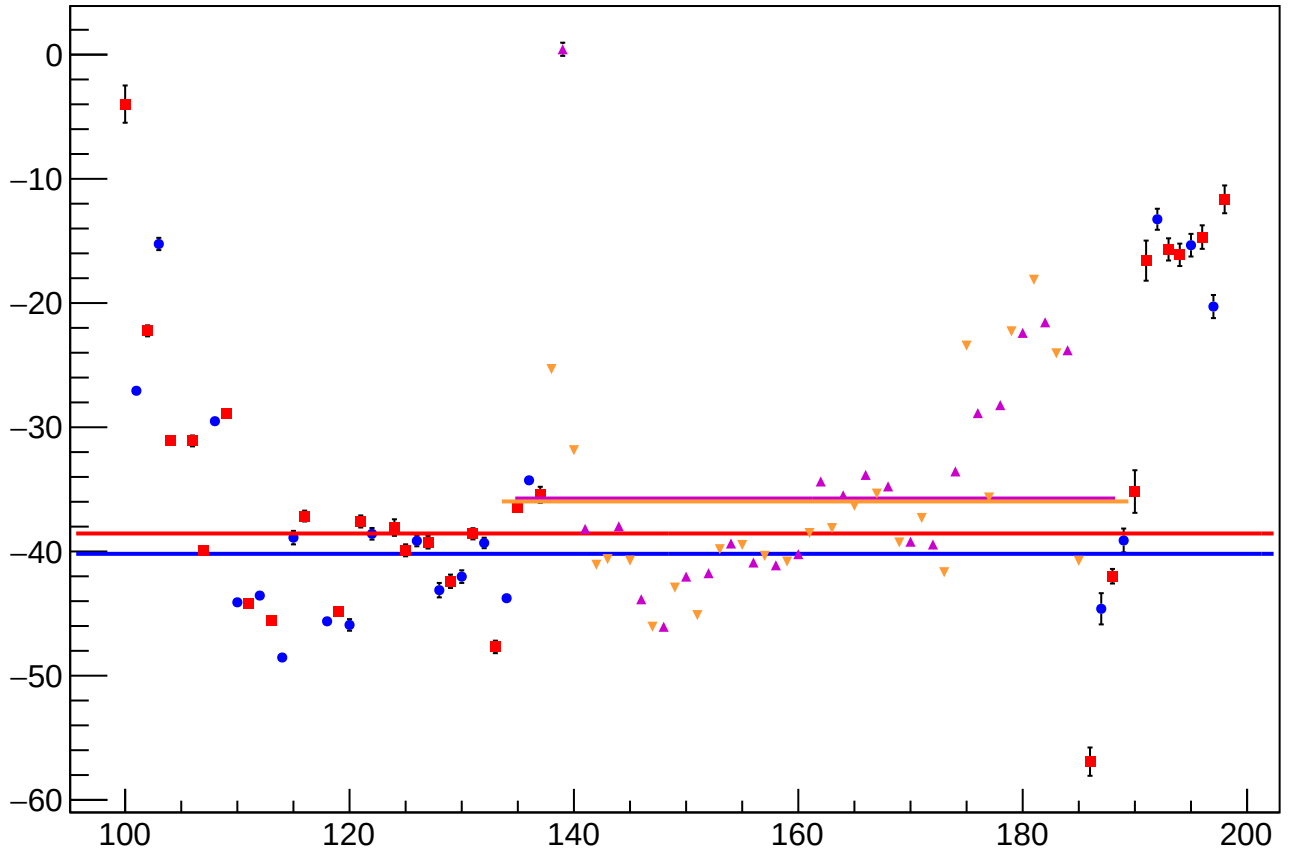
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 21.816+/-0.035 χ^2/NDF: 30096.7/47

In: 9.619+/-0.040 χ^2/NDF:161265.1/43

Out: 11.230+/-0.035 χ^2/NDF:198798.3/51

All: 10.532+/-0.026 χ^2/NDF: 360980.6/95



Right In: -40.189+/-0.075 χ^2/NDF: 10051.6/20

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -38.552+/-0.070 χ^2/NDF: 13111.9/26

Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

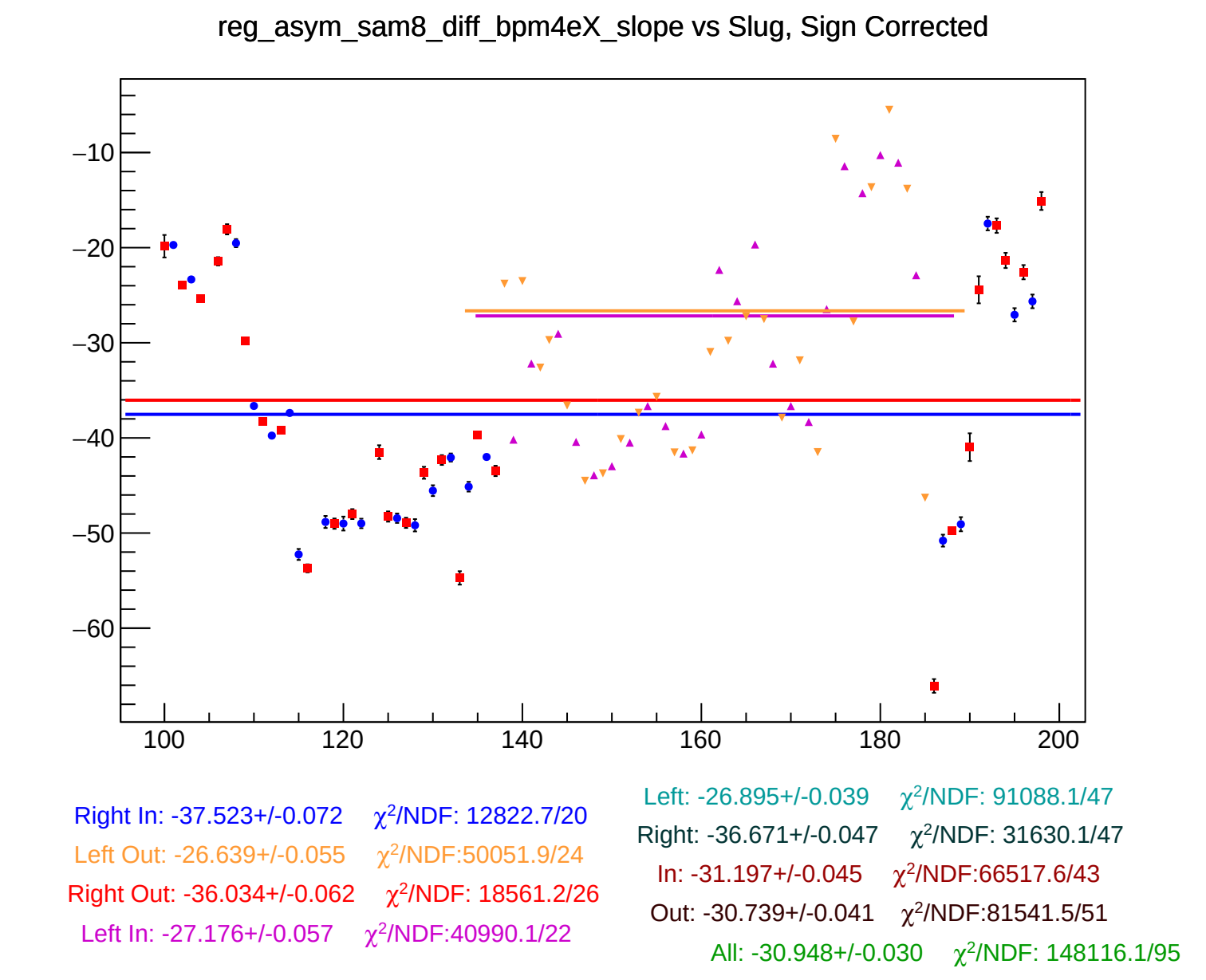
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

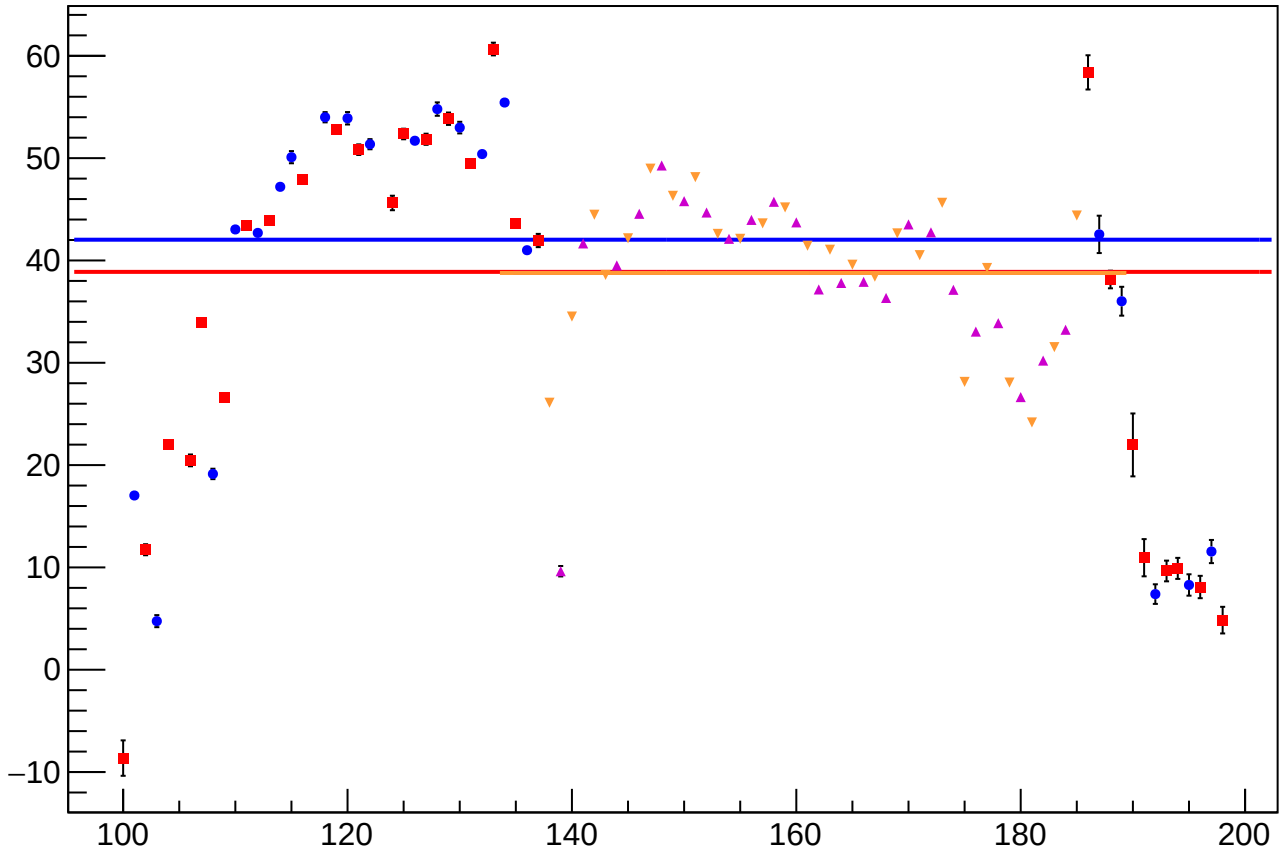
Right: -39.305+/-0.051 χ^2/NDF: 23418.8/47

In: -36.906+/-0.039 χ^2/NDF:39784.6/43

Out: -36.673+/-0.036 χ^2/NDF:47724.2/51

All: -36.782+/-0.026 χ^2/NDF: 87528.2/95


reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected
−10
−20
−30
−40
−50
−60
100
120
140
160
180
200
Right In: -37.523+/-0.072 χ²/NDF: 12822.7/20
Left Out: -26.639+/-0.055 χ²/NDF:50051.9/24
Right Out: -36.034+/-0.062 χ²/NDF: 18561.2/26
Left In: -27.176+/-0.057 χ²/NDF:40990.1/22
Left: -26.895+/-0.039 χ²/NDF: 91088.1/47
Right: -36.671+/-0.047 χ²/NDF: 31630.1/47
In: -31.197+/-0.045 χ²/NDF:66517.6/43
Out: -30.739+/-0.041 χ²/NDF:81541.5/51
All: -30.948+/-0.030 χ²/NDF: 148116.1/95



Right In: 42.029+/-0.084 χ^2/NDF: 17922.0/20

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 38.885+/-0.077 χ^2/NDF: 21556.3/26

Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

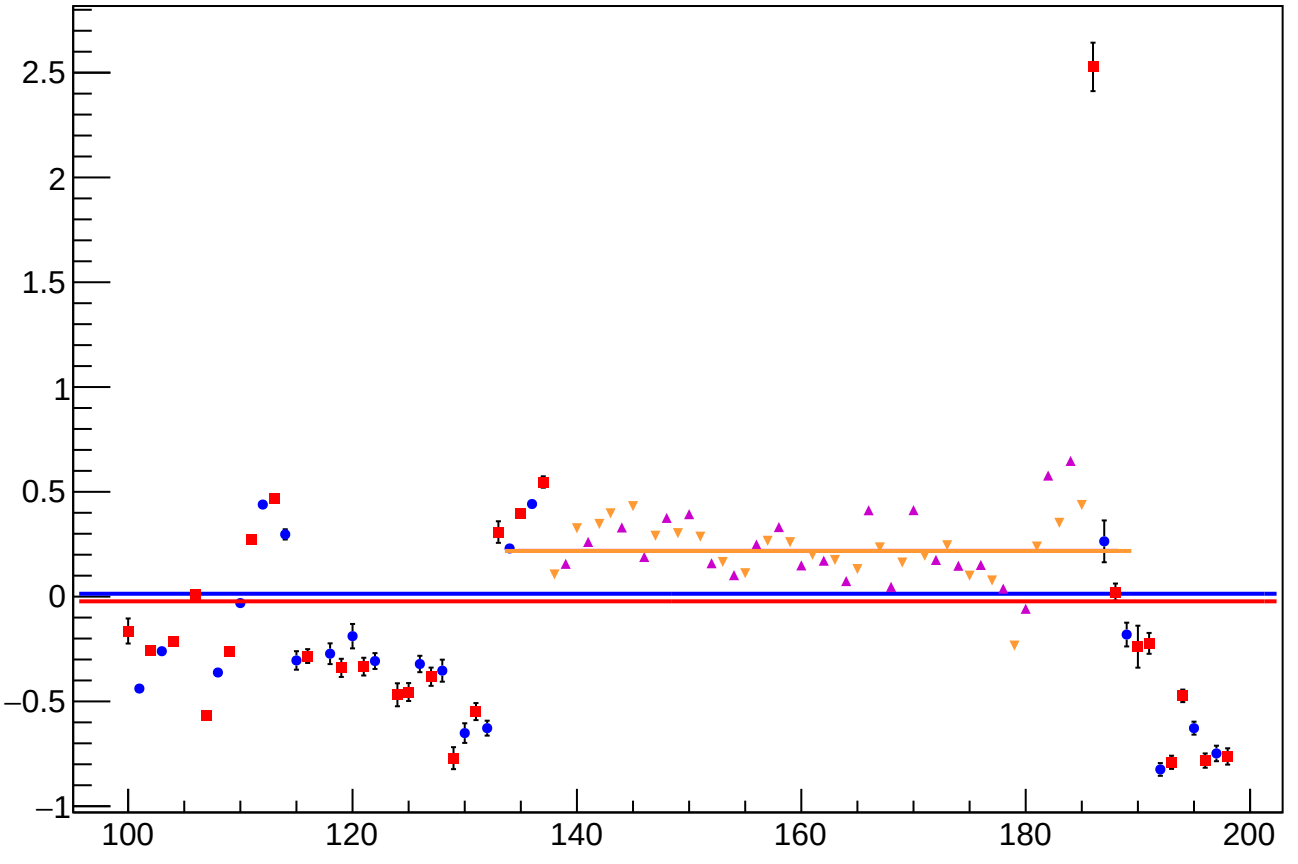
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 40.319+/-0.057 χ^2/NDF: 40240.8/47

In: 39.643+/-0.043 χ^2/NDF:35258.1/43

Out: 38.807+/-0.041 χ^2/NDF:42628.3/51

All: 39.200+/-0.030 χ^2/NDF: 78086.1/95



Right In: 0.014+/-0.005 χ^2/NDF: 7242.9/20

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.023+/-0.004 χ^2/NDF: 8696.6/26

Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

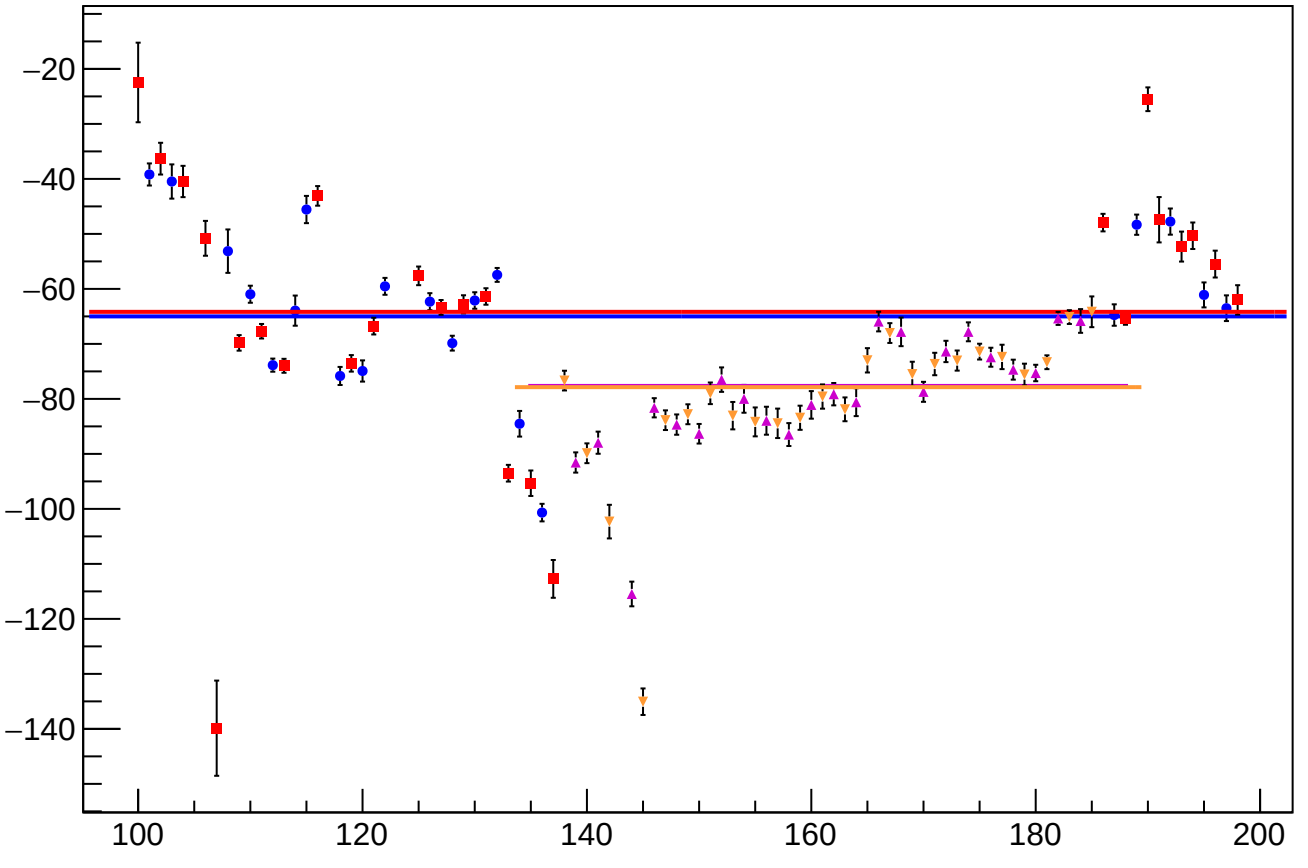
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

Right: -0.006+/-0.003 χ^2/NDF: 15972.8/47

In: 0.180+/-0.002 χ^2/NDF:14120.5/43

Out: 0.168+/-0.002 χ^2/NDF:15372.6/51

All: 0.174+/-0.001 χ^2/NDF: 29512.7/95



Right In: -65.001+/-0.389 χ^2/NDF: 1205.4/20

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -64.172+/-0.358 χ^2/NDF: 1836.1/25

Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

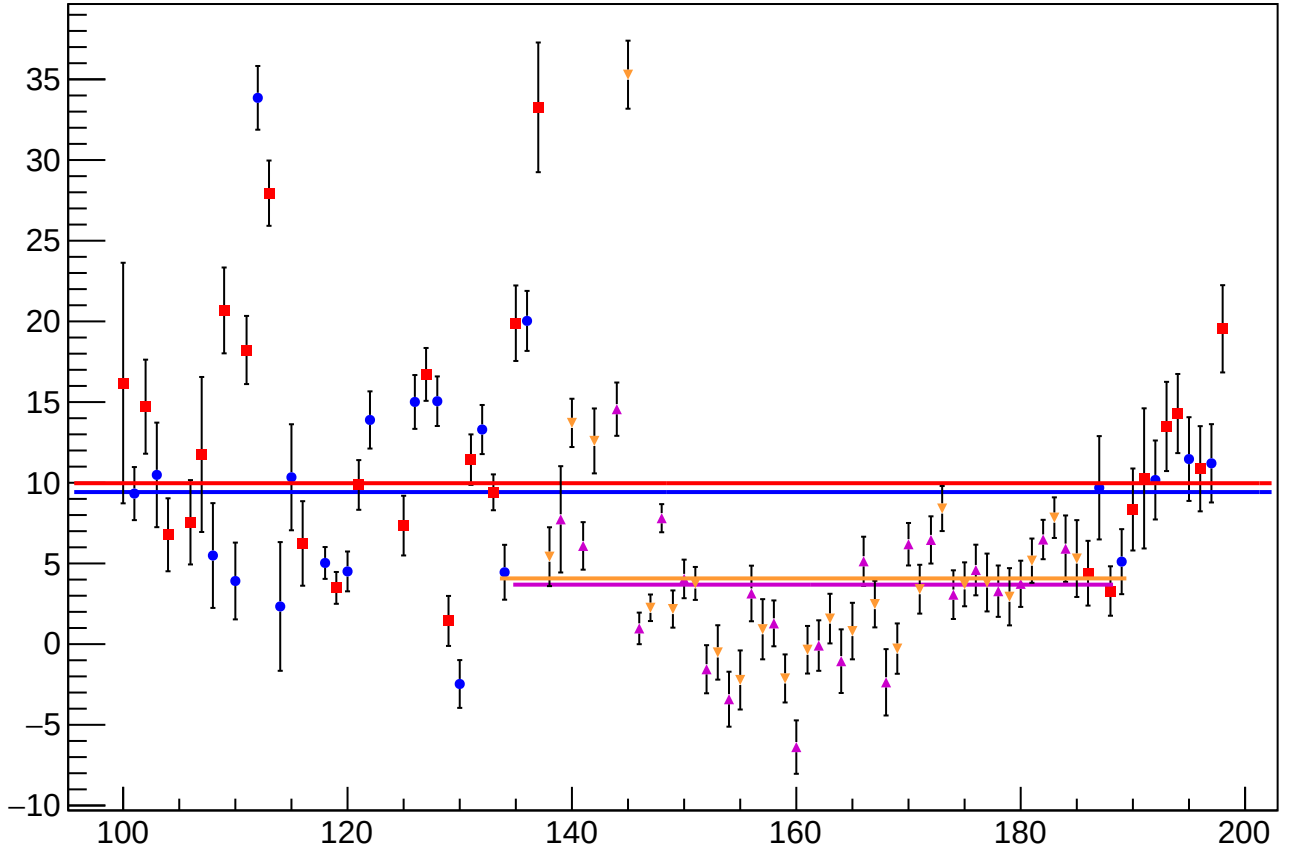
Right: -64.552+/-0.263 χ^2/NDF: 3044.0/46

In: -71.197+/-0.278 χ^2/NDF:2417.3/43

Out: -70.363+/-0.265 χ^2/NDF:3430.1/49

All: -70.760+/-0.192 χ^2/NDF: 5852.1/93

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.424+/-0.399 χ^2/NDF: 347.8/20

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.973+/-0.385 χ^2/NDF: 308.6/25

Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

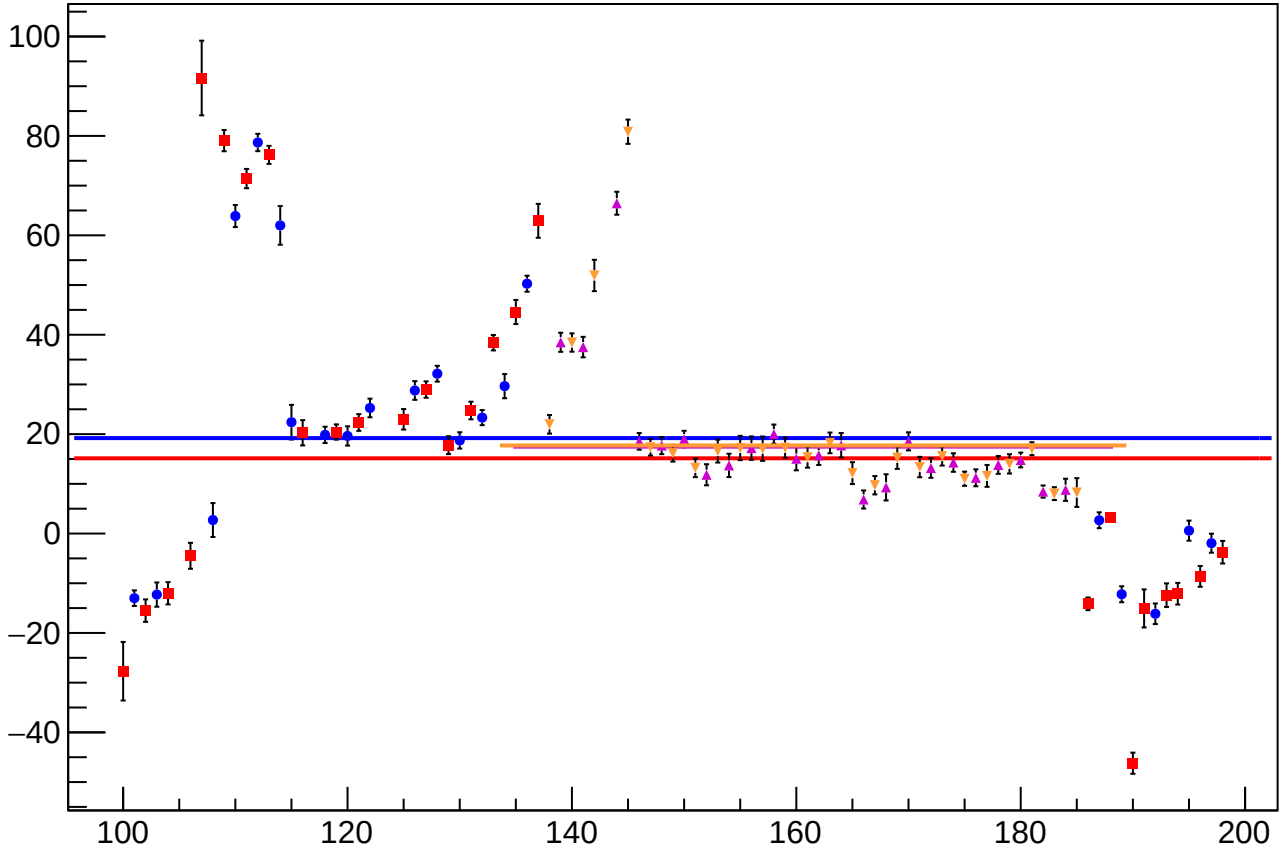
Right: 9.708+/-0.277 χ^2/NDF: 657.3/46

In: 5.774+/-0.241 χ^2/NDF:662.1/43

Out: 6.268+/-0.235 χ^2/NDF:826.2/49

All: 6.027+/-0.168 χ^2/NDF: 1490.4/93

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 19.203+/-0.414 χ^2/NDF: 3783.2/20

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 15.140+/-0.373 χ^2/NDF: 6208.2/25

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

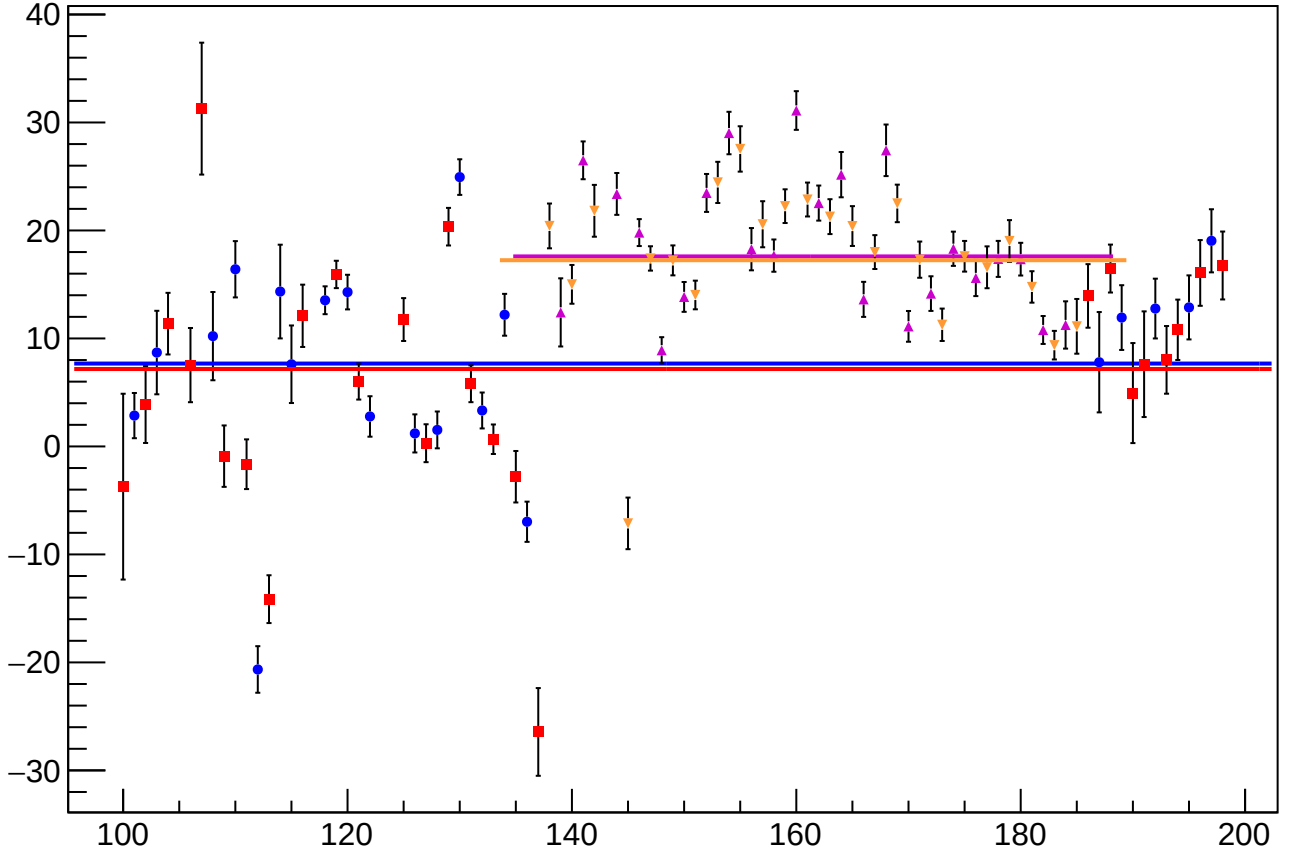
Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

Right: 16.957+/-0.277 χ^2/NDF: 10044.5/46

In: 18.302+/-0.285 χ^2/NDF:4612.9/43

Out: 16.369+/-0.270 χ^2/NDF:7289.4/49

All: 17.283+/-0.196 χ^2/NDF: 11926.5/93



Right In: 7.675+/-0.467 χ^2/NDF: 470.2/20

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 7.171+/-0.456 χ^2/NDF: 416.8/25

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

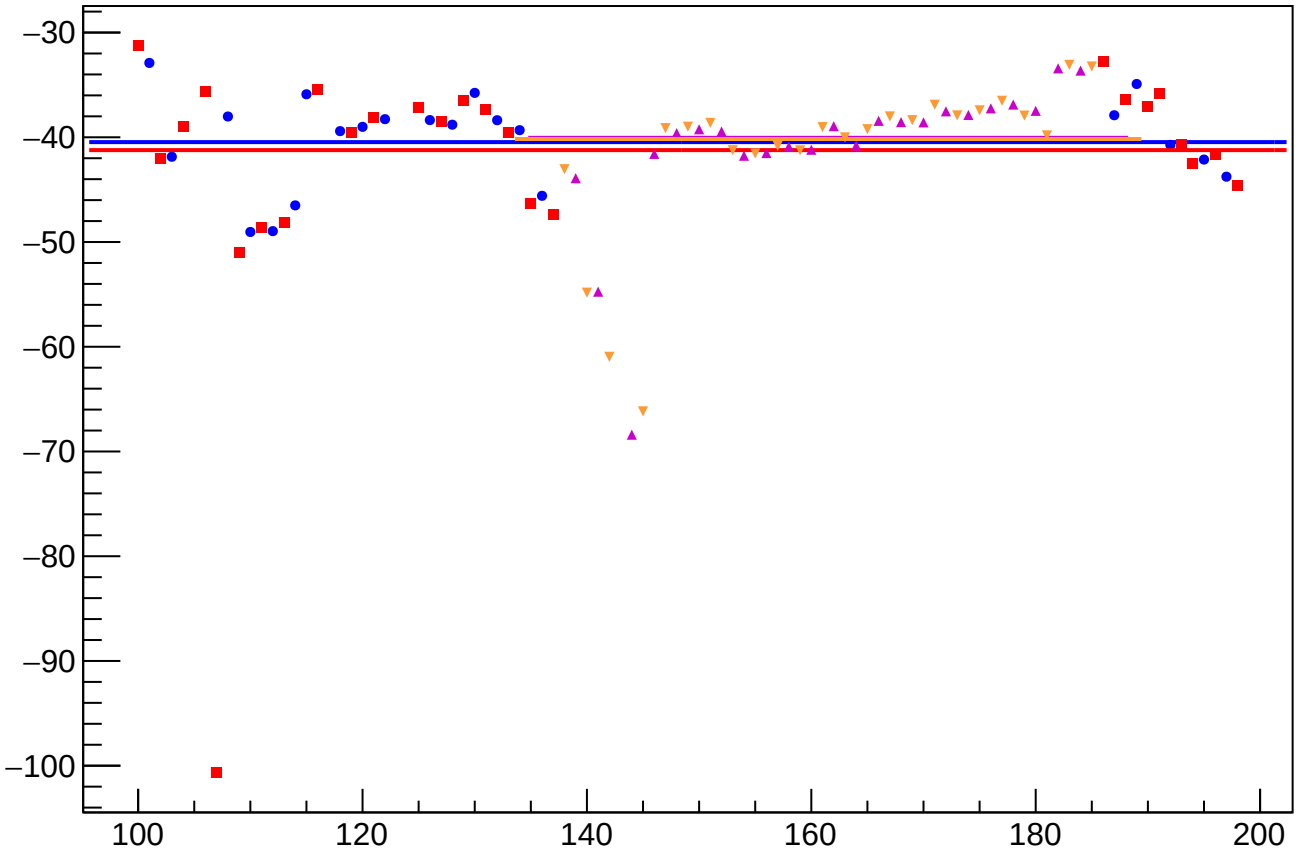
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 7.417+/-0.326 χ^2/NDF: 887.6/46

In: 14.128+/-0.276 χ^2/NDF:1073.8/43

Out: 13.667+/-0.272 χ^2/NDF:992.9/49

All: 13.893+/-0.194 χ^2/NDF: 2068.2/93



Right In: -40.461+/-0.026 χ^2/NDF: 24688.9/20

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -41.225+/-0.024 χ^2/NDF: 67297.7/25

Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

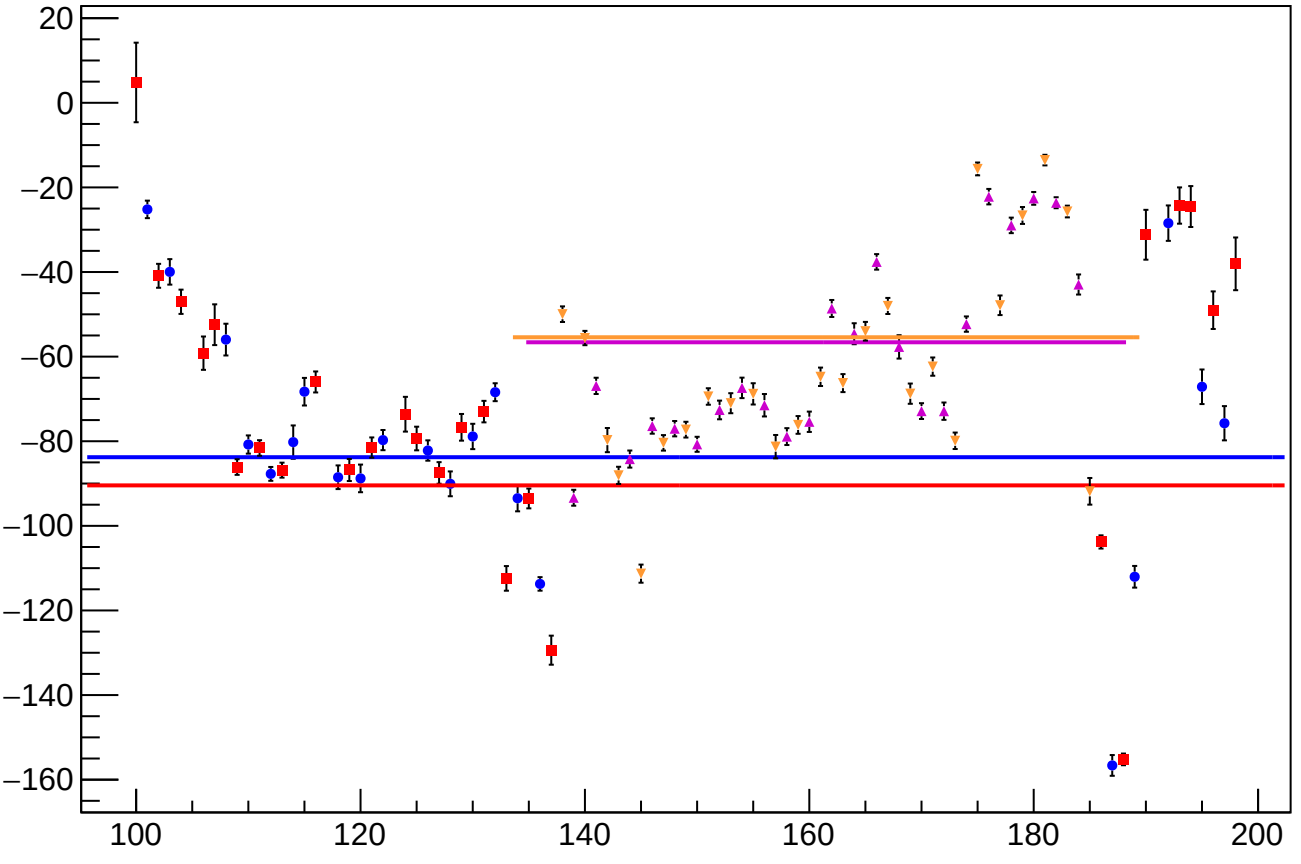
Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

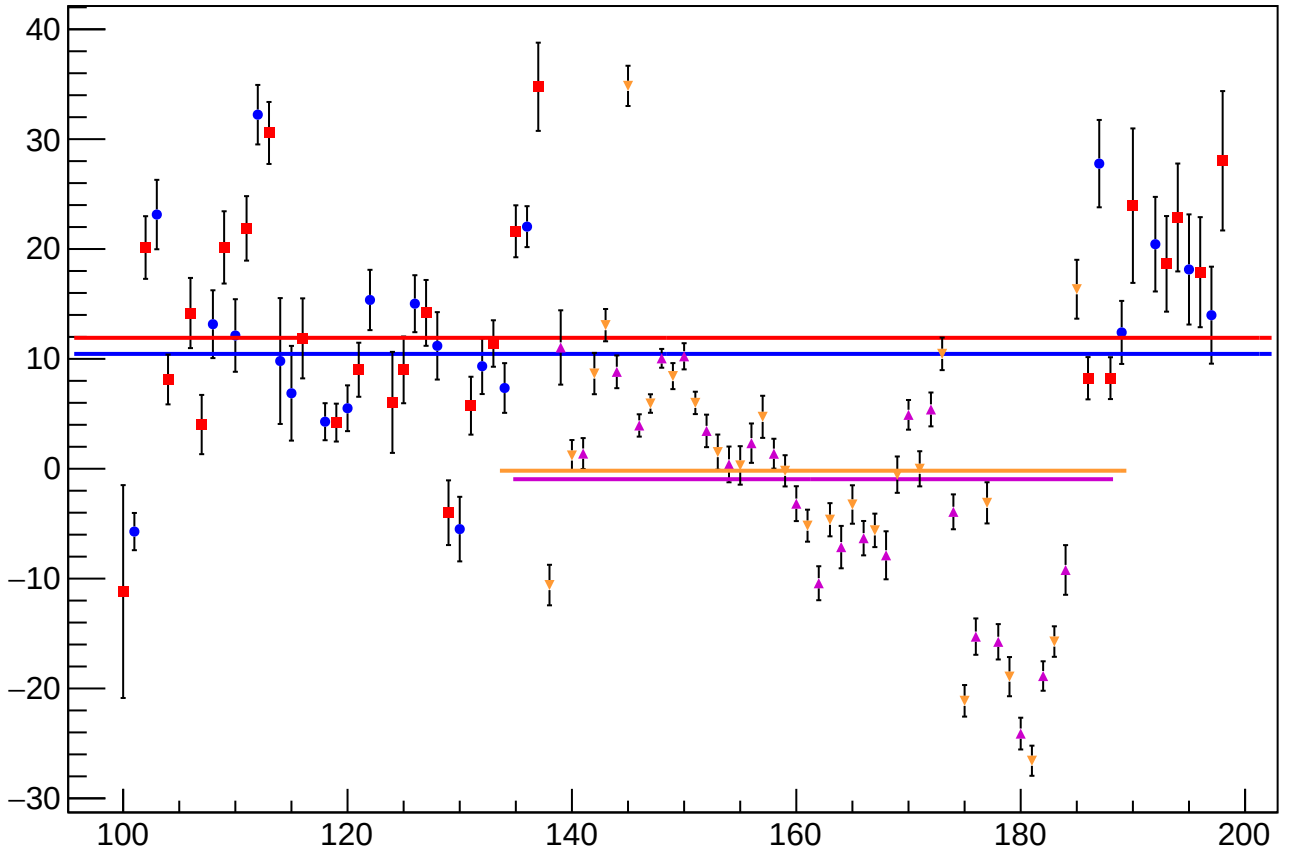
Right: -40.867+/-0.018 χ^2/NDF: 92444.8/46

In: -40.156+/-0.013 χ^2/NDF:161312.7/43

Out: -40.467+/-0.013 χ^2/NDF:231981.2/49

All: -40.314+/-0.009 χ^2/NDF: 393573.7/93


reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
120
140
160
180
200
Right In: -83.775+/-0.561 χ²/NDF: 2726.5/20
Left Out: -55.424+/-0.393 χ²/NDF:4525.3/24
Right Out: -90.436+/-0.508 χ²/NDF: 4147.0/25
Left In: -56.609+/-0.404 χ²/NDF:3350.3/22
Left: -56.001+/-0.282 χ²/NDF: 7880.0/47
Right: -87.437+/-0.377 χ²/NDF: 6950.9/46
In: -65.873+/-0.328 χ²/NDF:7620.6/43
Out: -68.548+/-0.311 χ²/NDF:11643.1/50
All: -67.281+/-0.226 χ²/NDF: 19298.7/94



Right In: 10.453+/-0.585 χ^2/NDF: 297.0/20

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 11.916+/-0.560 χ^2/NDF: 221.4/25

Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

Left: -0.553+/-0.211 χ^2/NDF: 2671.5/47

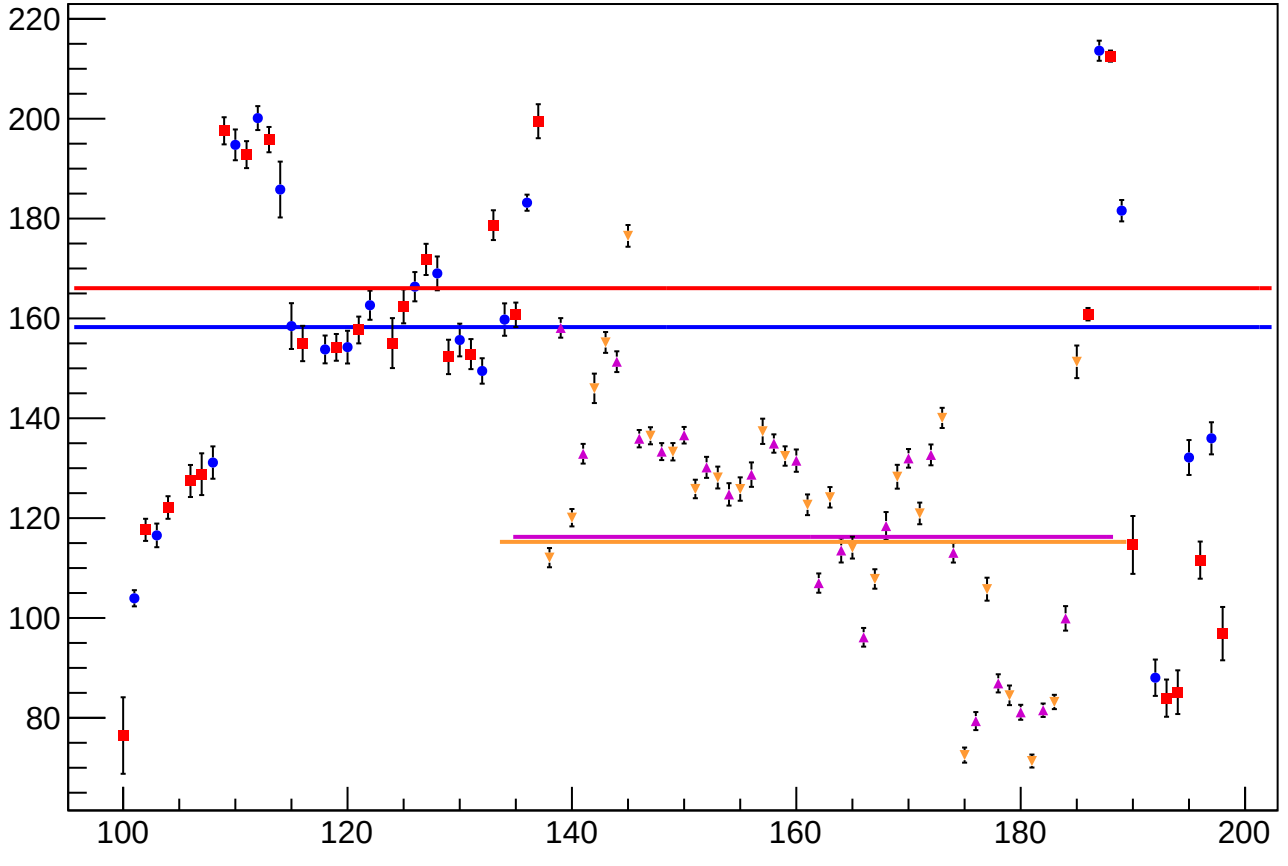
Right: 11.217+/-0.405 χ^2/NDF: 521.7/46

In: 1.473+/-0.270 χ^2/NDF:1665.7/43

Out: 2.437+/-0.260 χ^2/NDF:2185.8/50

All: 1.972+/-0.187 χ^2/NDF: 3858.2/94

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 158.263+/-0.577 χ^2/NDF: 3599.9/20

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 166.056+/-0.509 χ^2/NDF: 4847.4/25

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

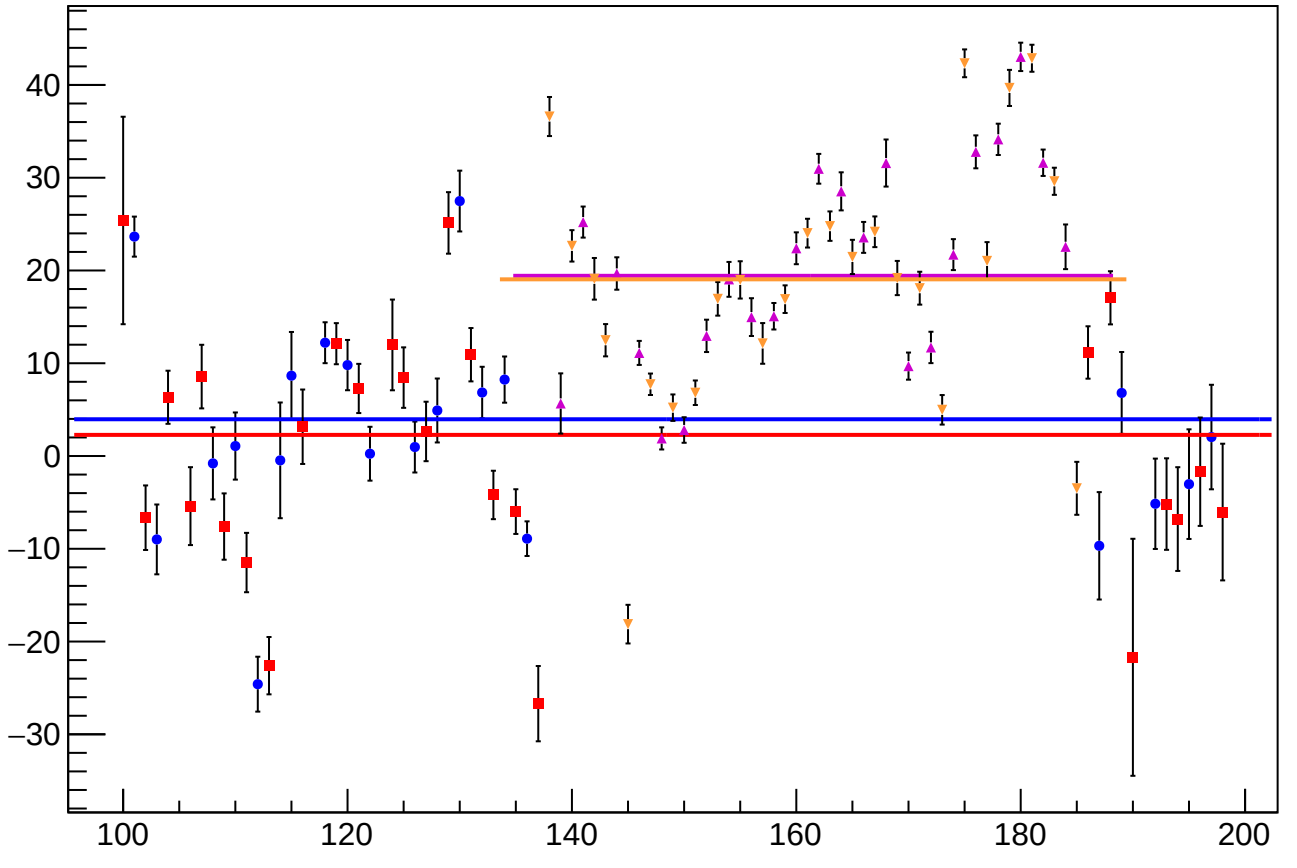
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 162.647+/-0.382 χ^2/NDF: 8549.9/46

In: 129.842+/-0.328 χ^2/NDF:10822.6/43

Out: 134.065+/-0.310 χ^2/NDF:15960.9/50

All: 132.076+/-0.225 χ^2/NDF: 26871.0/94



Right In: 3.962+/-0.683 χ^2/NDF: 327.5/20

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 2.278+/-0.668 χ^2/NDF: 313.5/25

Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

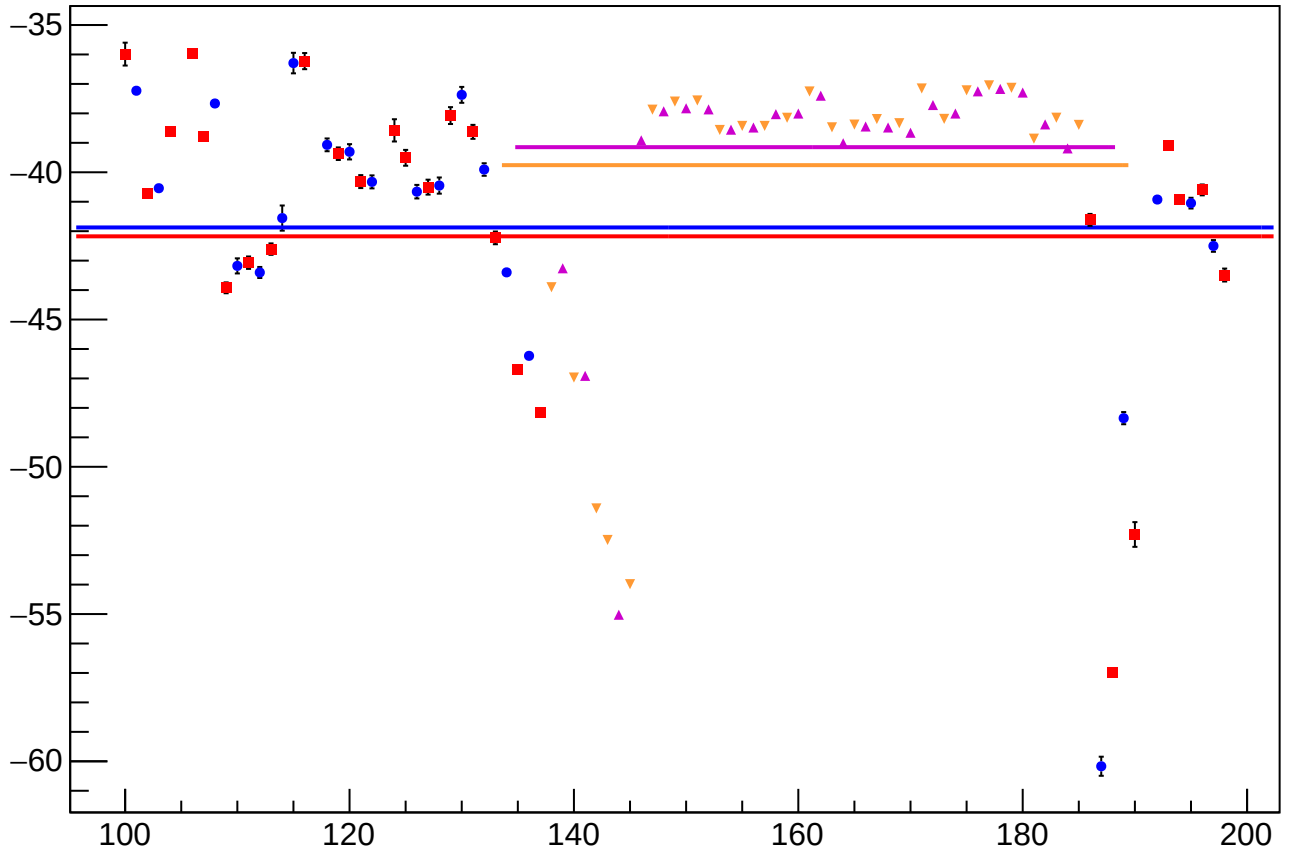
Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

Right: 3.101+/-0.477 χ^2/NDF: 644.1/46

In: 16.270+/-0.308 χ^2/NDF:1812.9/43

Out: 15.657+/-0.300 χ^2/NDF:2362.3/50

All: 15.955+/-0.215 χ^2/NDF: 4177.3/94



Right In: -41.873+/-0.035 χ^2/NDF: 12254.3/20

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -42.175+/-0.034 χ^2/NDF: 19051.7/25

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

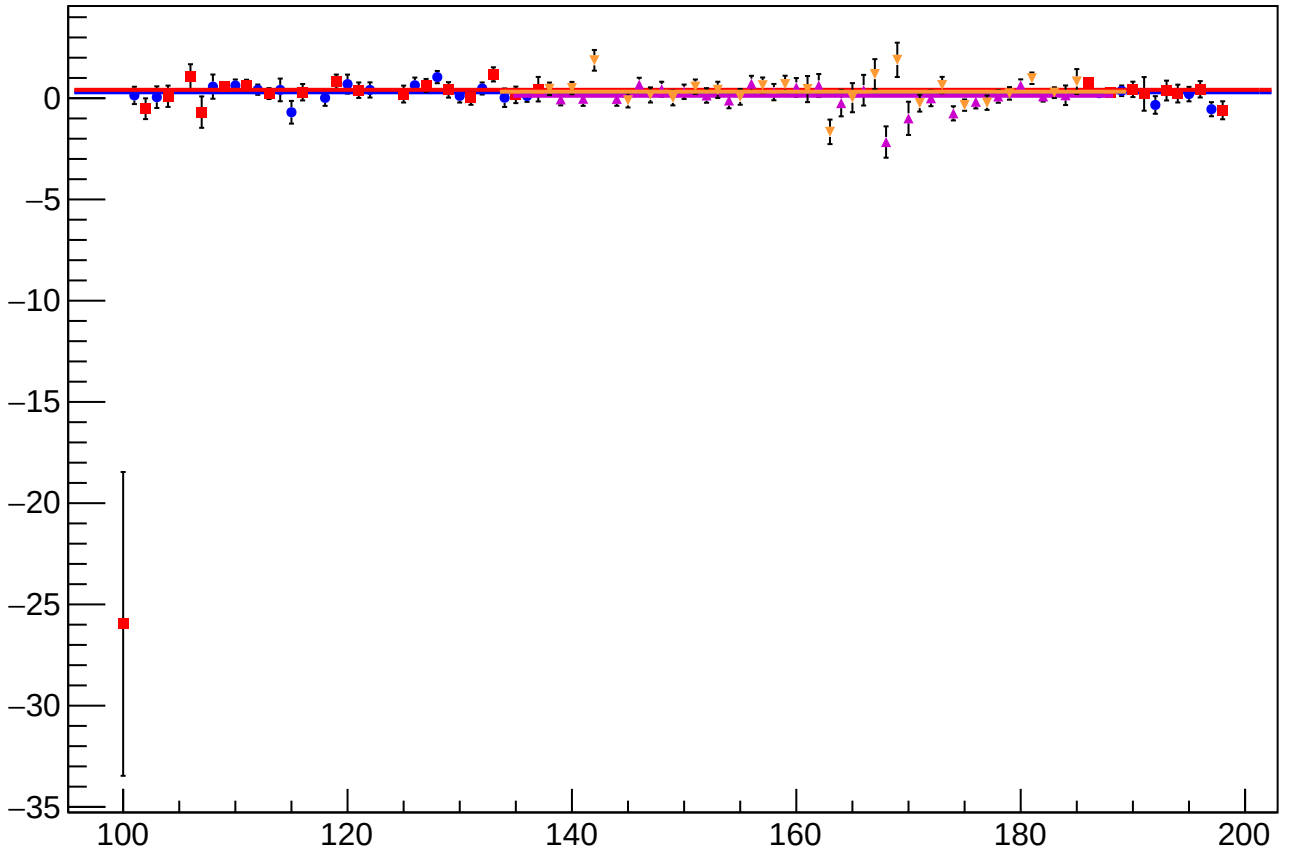
Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

Right: -42.026+/-0.025 χ^2/NDF: 31343.9/46

In: -39.601+/-0.014 χ^2/NDF:64234.8/43

Out: -40.163+/-0.014 χ^2/NDF:105020.2/50

All: -39.885+/-0.010 χ^2/NDF: 170041.4/94



Right In: 0.292+/-0.076 χ^2/NDF: 22.9/20

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.415+/-0.064 χ^2/NDF: 40.1/25

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

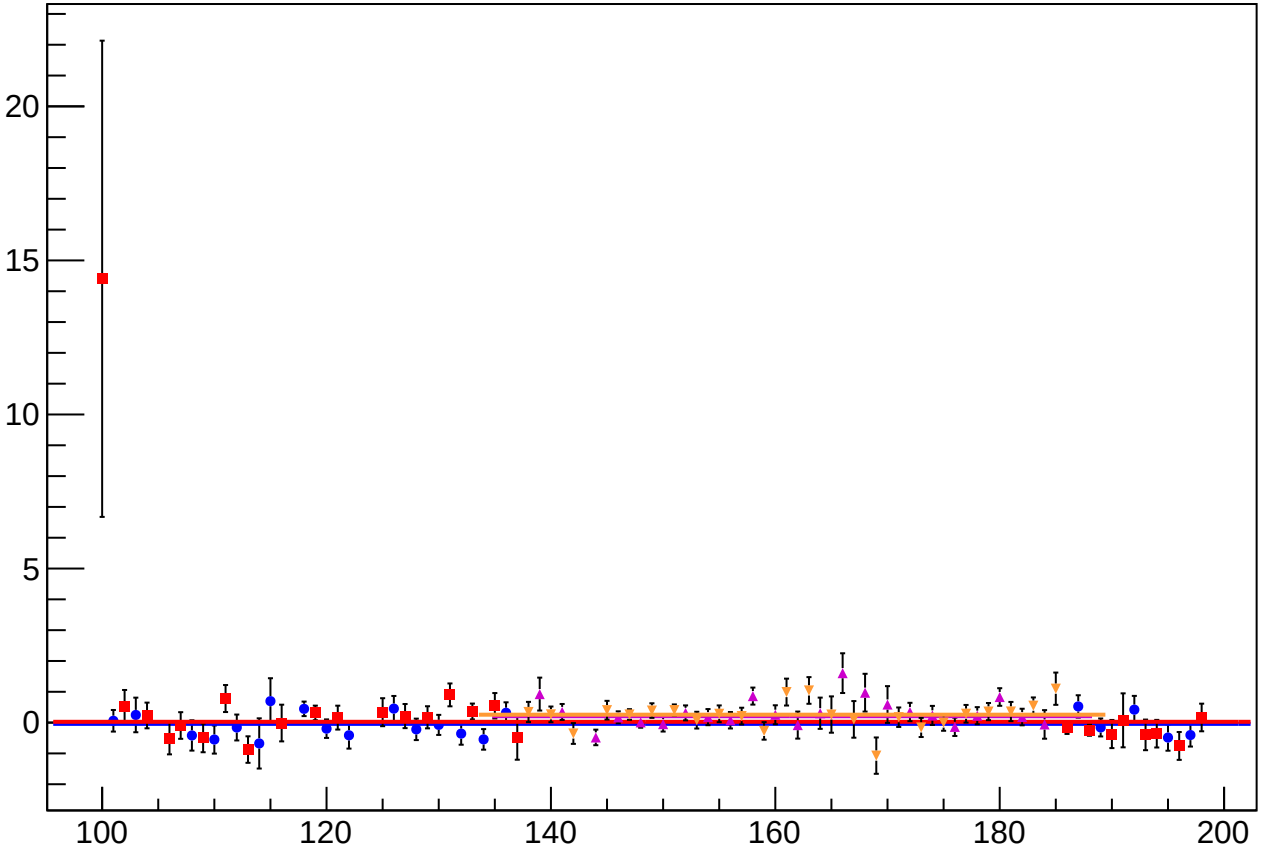
Right: 0.364+/-0.049 χ^2/NDF: 64.6/46

In: 0.210+/-0.055 χ^2/NDF:55.4/43

Out: 0.377+/-0.049 χ^2/NDF:87.9/49

All: 0.302+/-0.037 χ^2/NDF: 148.4/93

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.041+/-0.082 χ^2/NDF: 20.7/20

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.026+/-0.073 χ^2/NDF: 34.5/25

Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

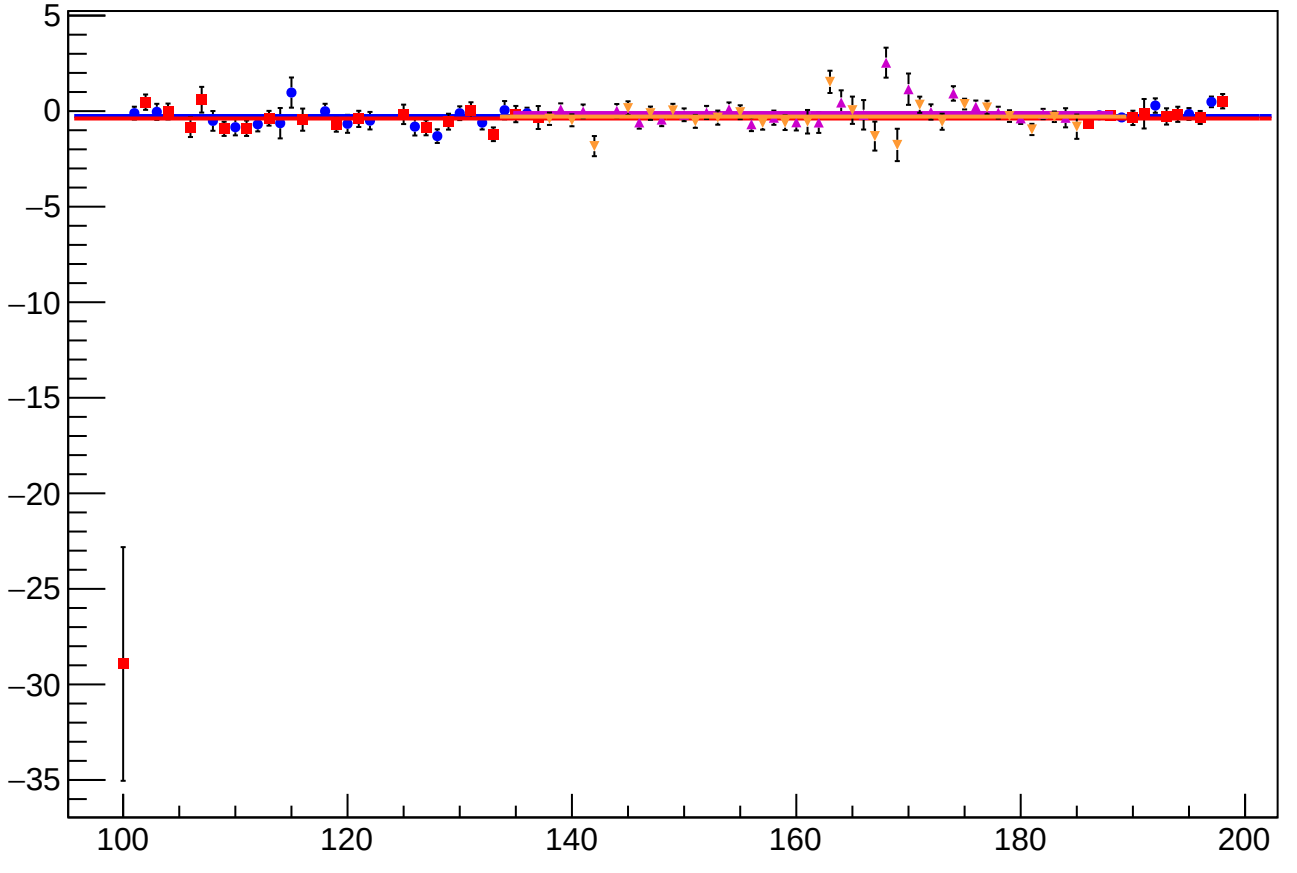
Right: -0.004+/-0.054 χ^2/NDF: 55.6/46

In: 0.119+/-0.049 χ^2/NDF:58.6/43

Out: 0.165+/-0.046 χ^2/NDF:67.0/49

All: 0.143+/-0.033 χ^2/NDF: 126.0/93

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.256+/-0.076 χ^2/NDF: 29.3/20

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.386+/-0.060 χ^2/NDF: 54.6/25

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

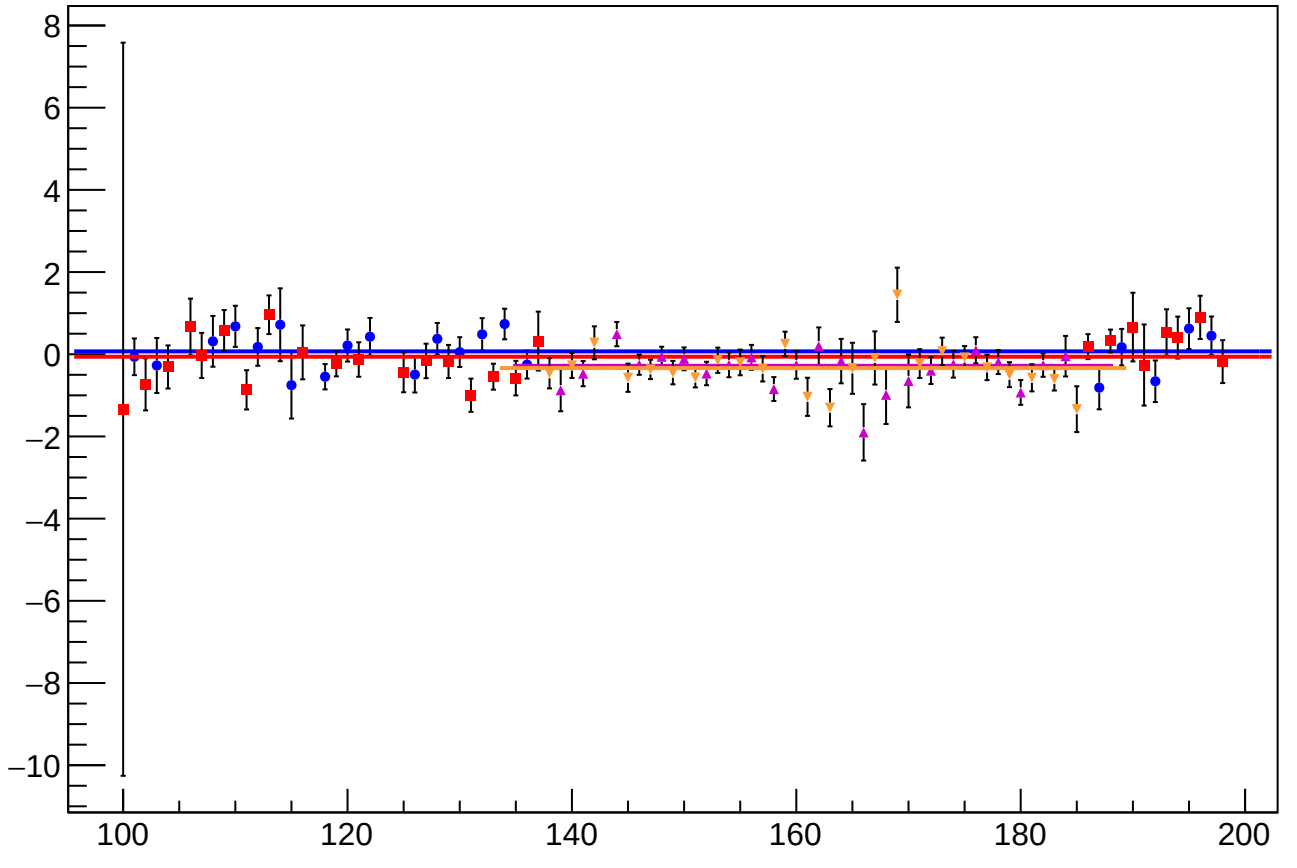
Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

Right: -0.336+/-0.047 χ^2/NDF: 85.7/46

In: -0.181+/-0.054 χ^2/NDF:64.6/43

Out: -0.348+/-0.048 χ^2/NDF:100.7/49

All: -0.276+/-0.036 χ^2/NDF: 170.6/93



Right In: 0.070+/-0.097 χ^2/NDF: 22.7/20

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.060+/-0.090 χ^2/NDF: 31.0/25

Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

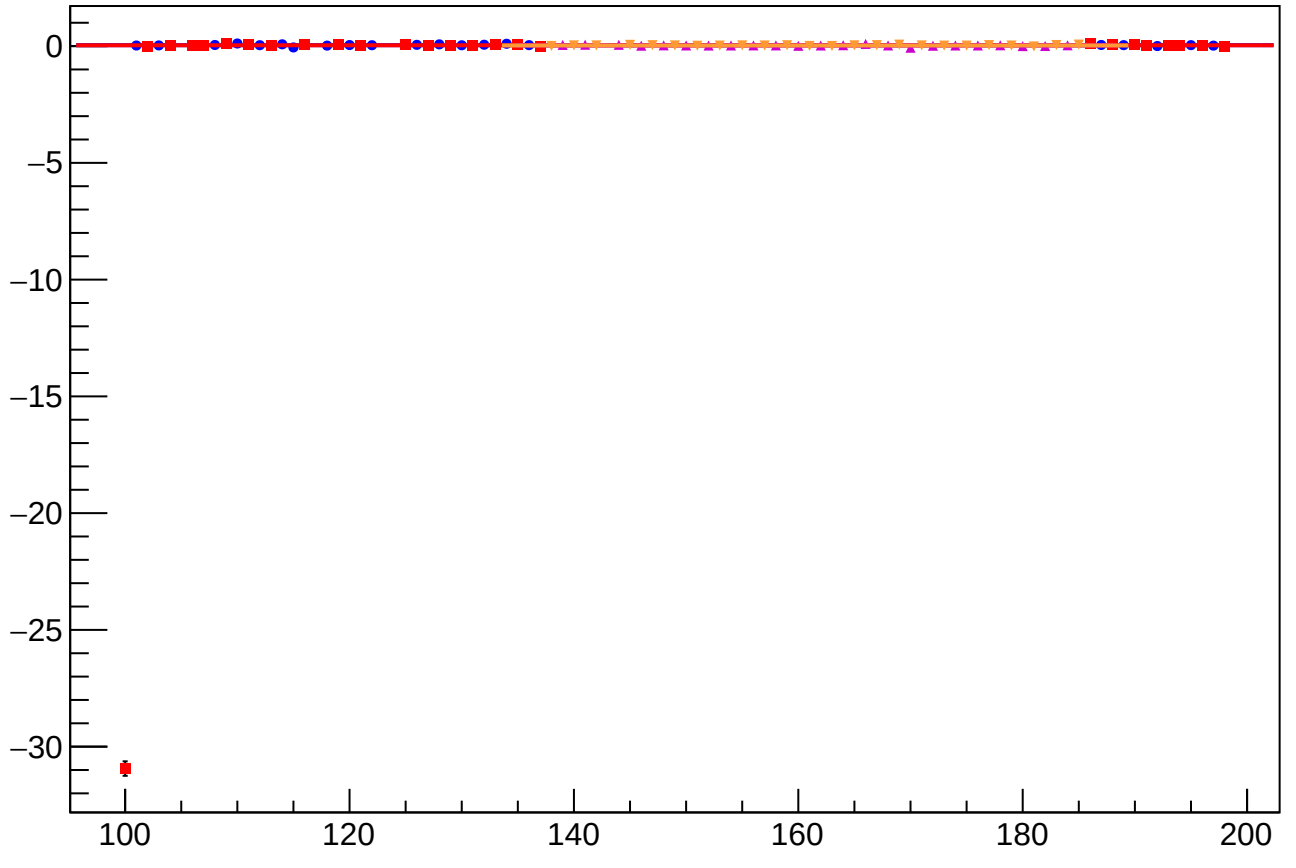
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: 0.000+/-0.066 χ^2/NDF: 54.7/46

In: -0.164+/-0.056 χ^2/NDF:60.4/43

Out: -0.236+/-0.054 χ^2/NDF:67.1/49

All: -0.201+/-0.039 χ^2/NDF: 128.5/93



Right In: 0.041+/-0.005 χ^2/NDF: 27.9/20

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.036+/-0.004 χ^2/NDF: 10043.3/25

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

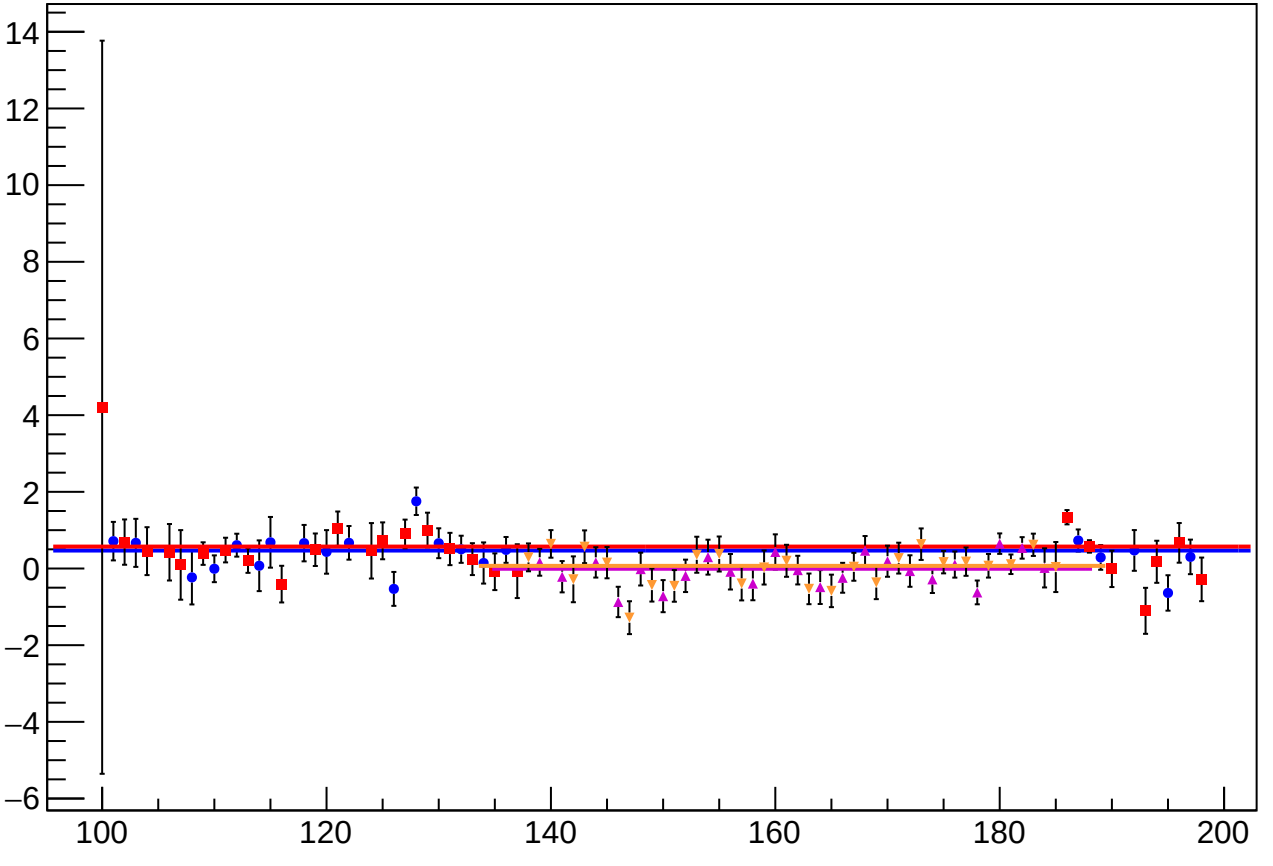
Right: 0.038+/-0.003 χ^2/NDF: 10071.7/46

In: 0.033+/-0.003 χ^2/NDF:70.5/43

Out: 0.030+/-0.003 χ^2/NDF:10072.9/49

All: 0.031+/-0.002 χ^2/NDF: 10143.8/93

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.469+/-0.091 χ^2/NDF: 29.9/20

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.572+/-0.076 χ^2/NDF: 41.7/25

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

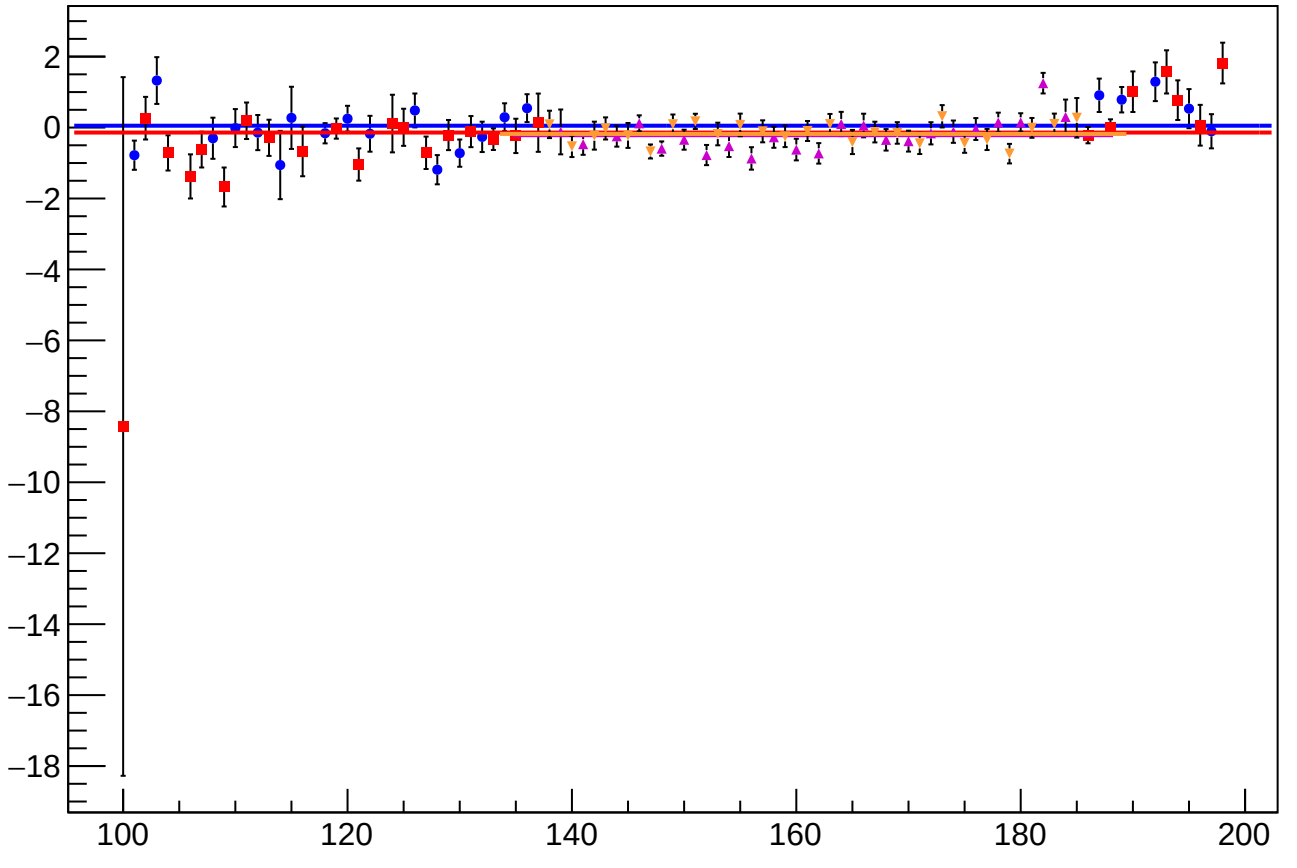
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.530+/-0.058 χ^2/NDF: 72.3/46

In: 0.198+/-0.060 χ^2/NDF:73.8/43

Out: 0.325+/-0.054 χ^2/NDF:94.5/50

All: 0.268+/-0.040 χ^2/NDF: 170.7/94



Right In: 0.052+/-0.098 χ^2/NDF: 40.7/20

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.141+/-0.087 χ^2/NDF: 49.5/25

Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

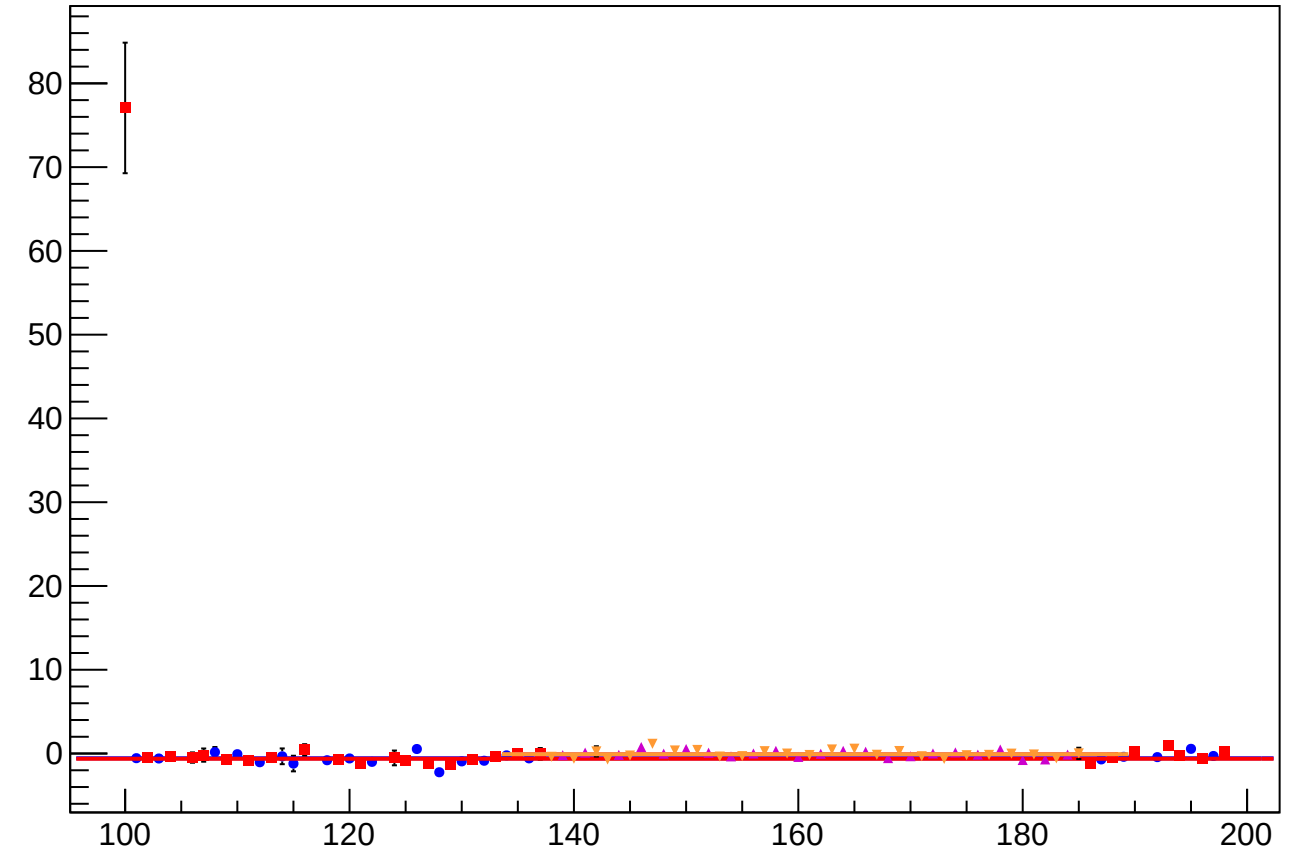
Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

Right: -0.056+/-0.065 χ^2/NDF: 92.4/46

In: -0.140+/-0.052 χ^2/NDF:99.6/43

Out: -0.168+/-0.049 χ^2/NDF:74.3/50

All: -0.155+/-0.036 χ^2/NDF: 174.1/94



Right In: -0.569+/-0.092 χ^2/NDF: 35.6/20

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.624+/-0.072 χ^2/NDF: 139.8/25

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

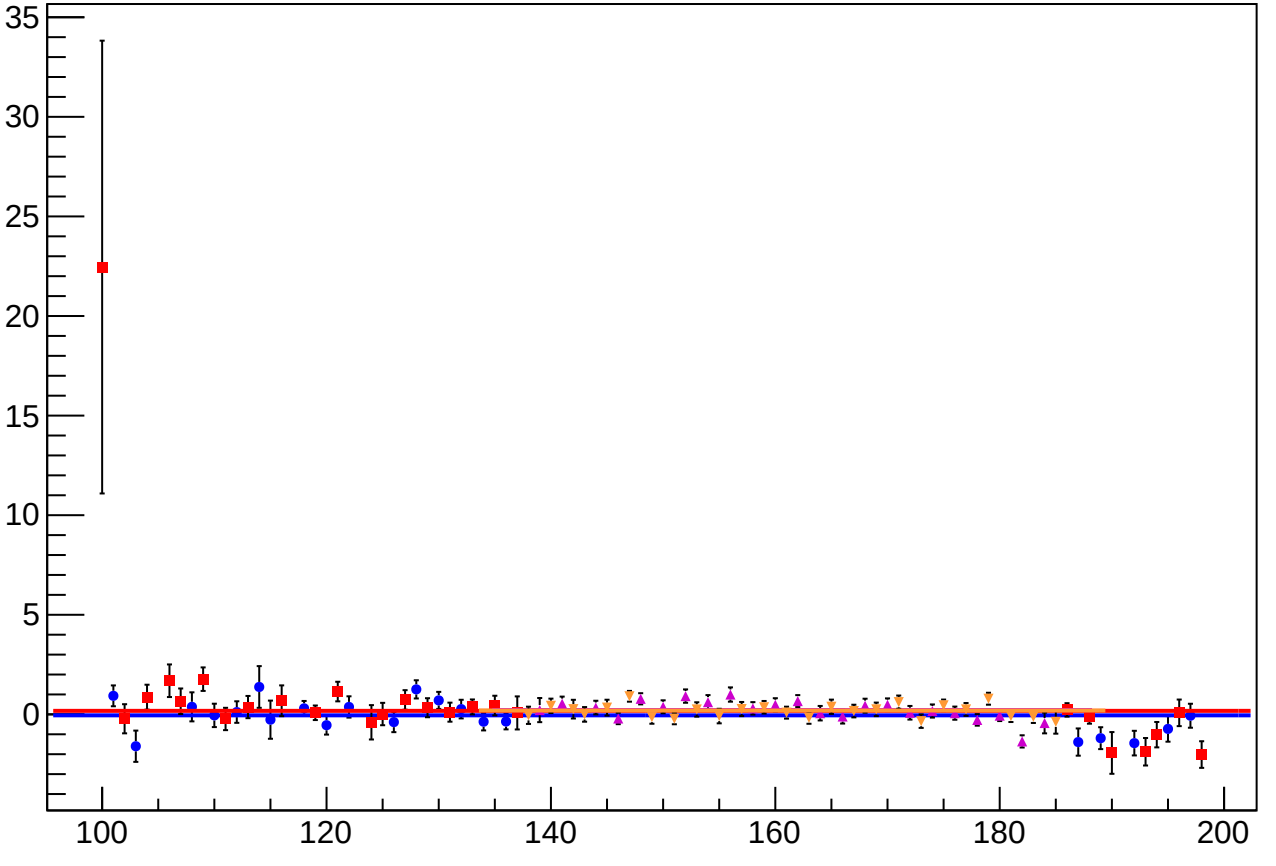
Right: -0.603+/-0.057 χ^2/NDF: 175.7/46

In: -0.283+/-0.060 χ^2/NDF:80.5/43

Out: -0.368+/-0.053 χ^2/NDF:196.8/50

All: -0.331+/-0.039 χ^2/NDF: 278.4/94

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.049+/-0.116 χ^2/NDF: 40.1/20

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.176+/-0.107 χ^2/NDF: 52.1/25

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

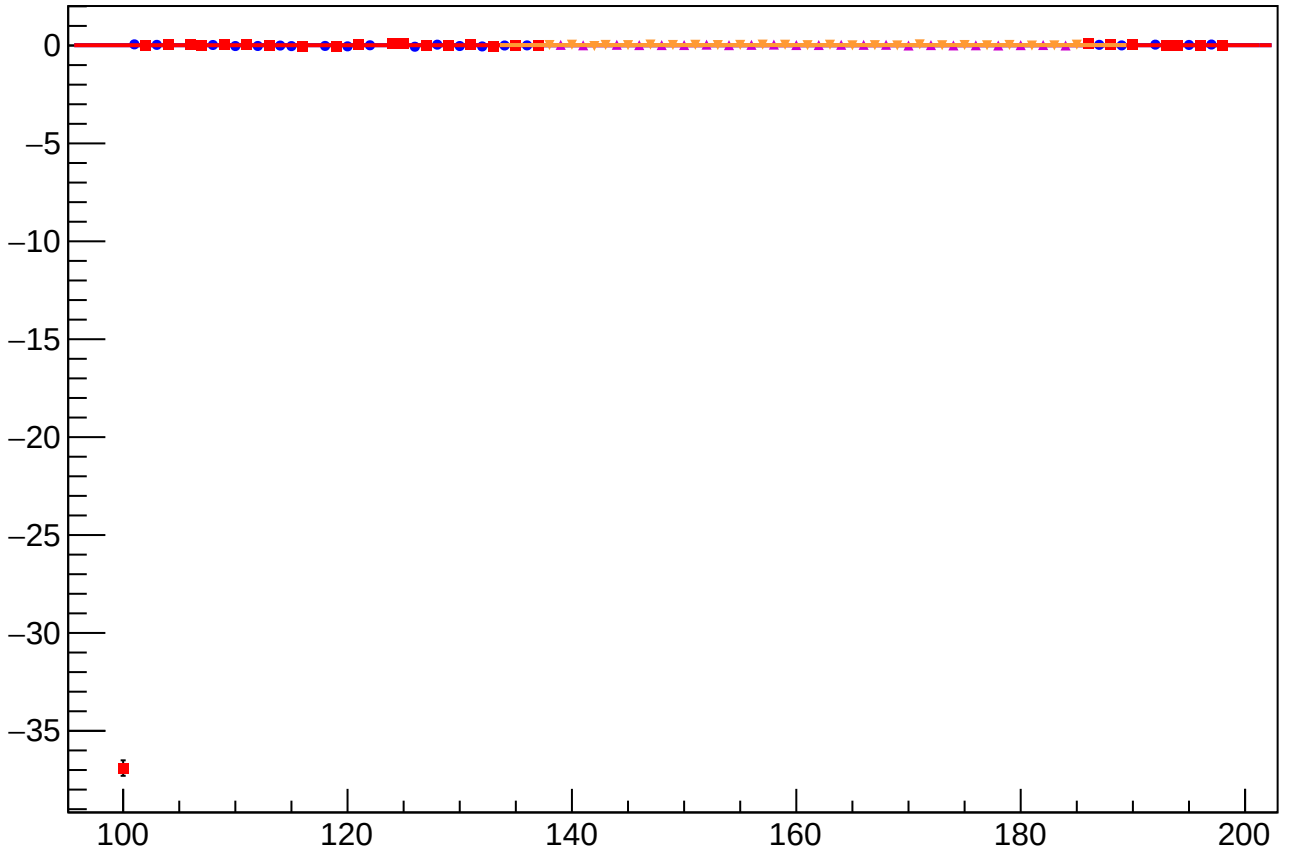
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: 0.073+/-0.078 χ^2/NDF: 94.2/46

In: 0.146+/-0.059 χ^2/NDF:98.9/43

Out: 0.188+/-0.057 χ^2/NDF:78.0/50

All: 0.168+/-0.041 χ^2/NDF: 177.2/94



Right In: 0.016+/-0.006 χ^2/NDF: 24.8/20

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.015+/-0.005 χ^2/NDF: 8775.7/25

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

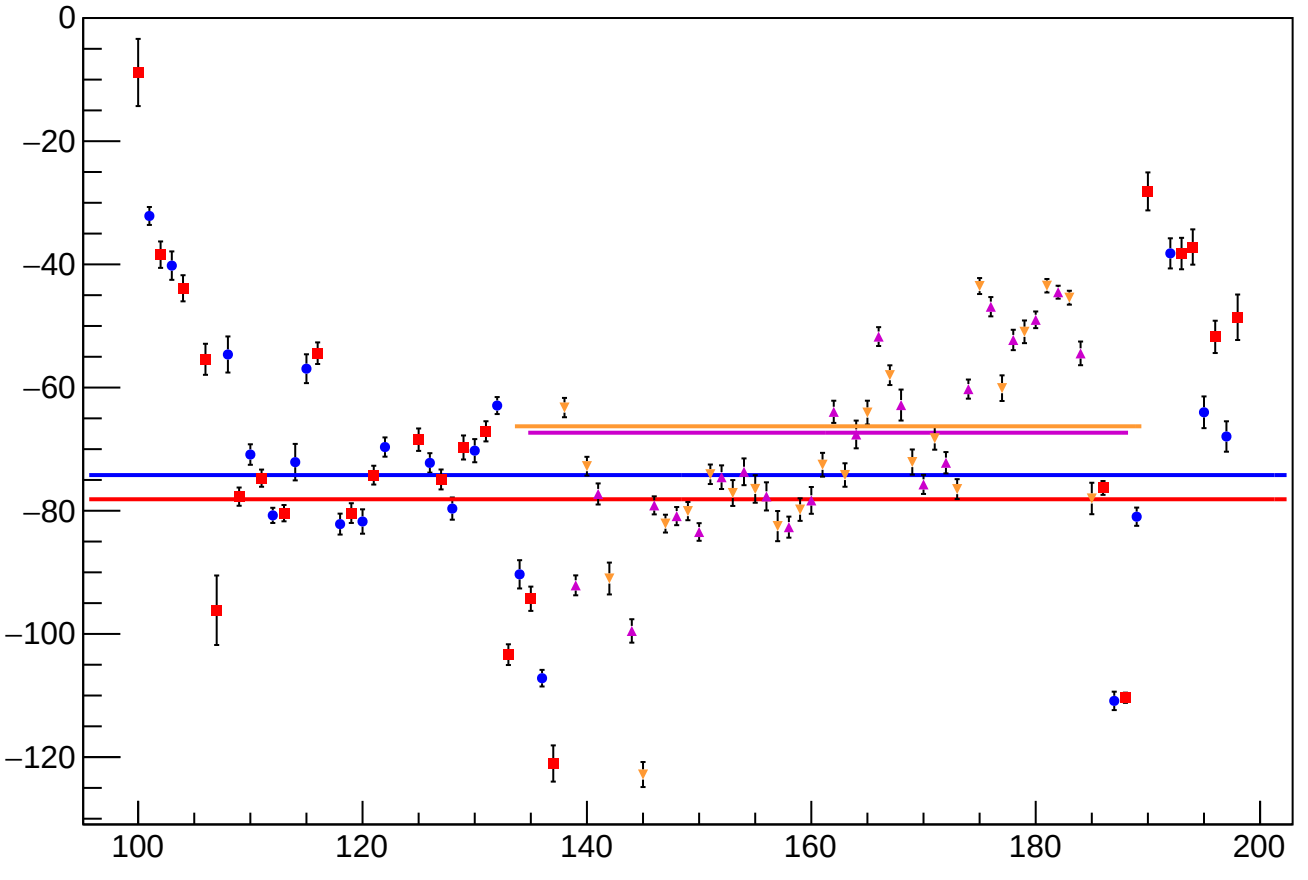
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.015+/-0.004 χ^2/NDF: 8800.5/46

In: 0.022+/-0.003 χ^2/NDF:44.3/43

Out: 0.022+/-0.003 χ^2/NDF:8808.1/50

All: 0.022+/-0.002 χ^2/NDF: 8852.5/94



Right In: -74.209+/-0.385 χ^2/NDF: 2818.9/20

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -78.135+/-0.348 χ^2/NDF: 4052.9/24

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

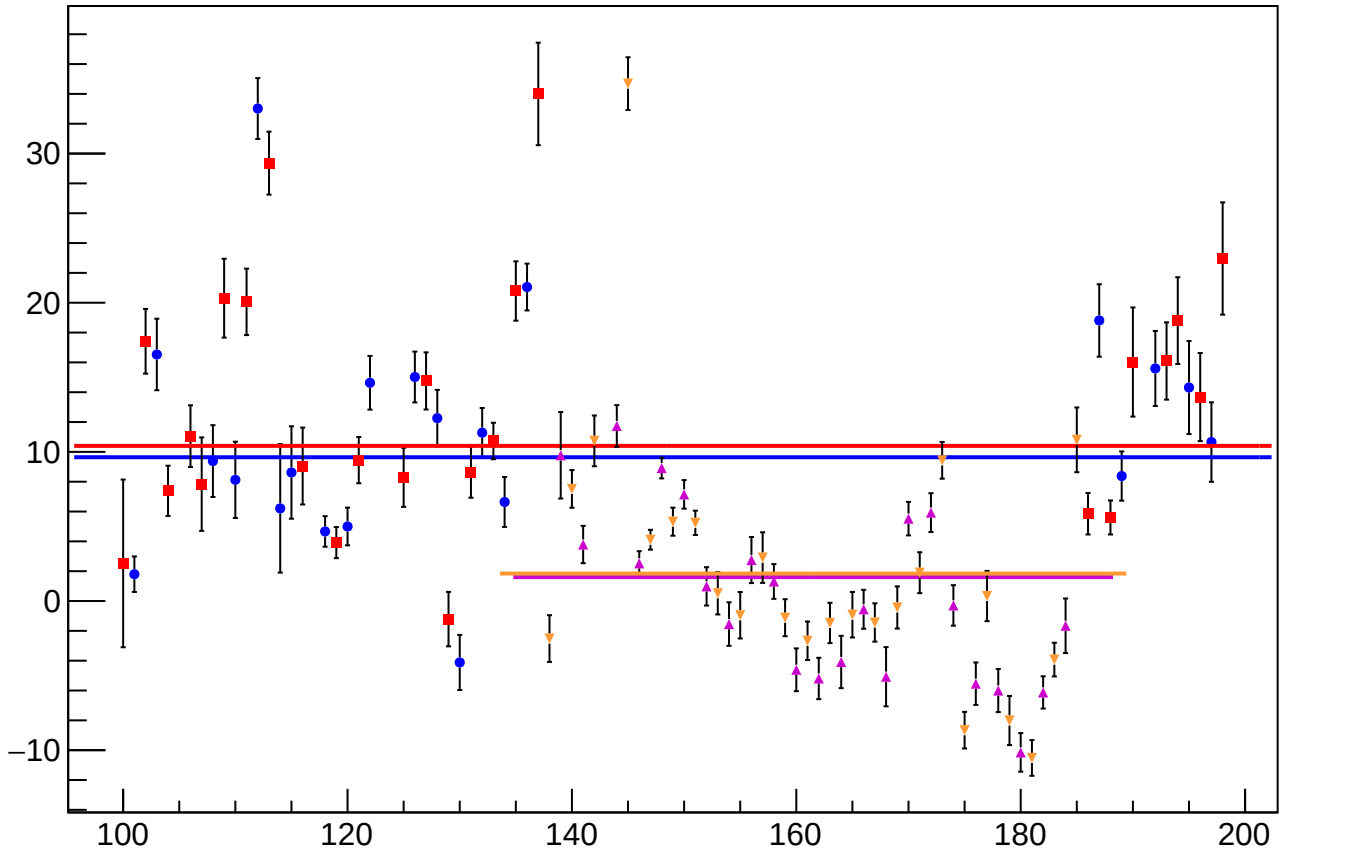
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -76.368+/-0.258 χ^2/NDF: 6929.0/45

In: -70.395+/-0.257 χ^2/NDF:5098.5/43

Out: -72.136+/-0.245 χ^2/NDF:7189.3/48

All: -71.308+/-0.177 χ^2/NDF: 12311.9/92



Right In: 9.640+/-0.393 χ^2/NDF: 376.2/20

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 10.402+/-0.379 χ^2/NDF: 347.8/24

Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

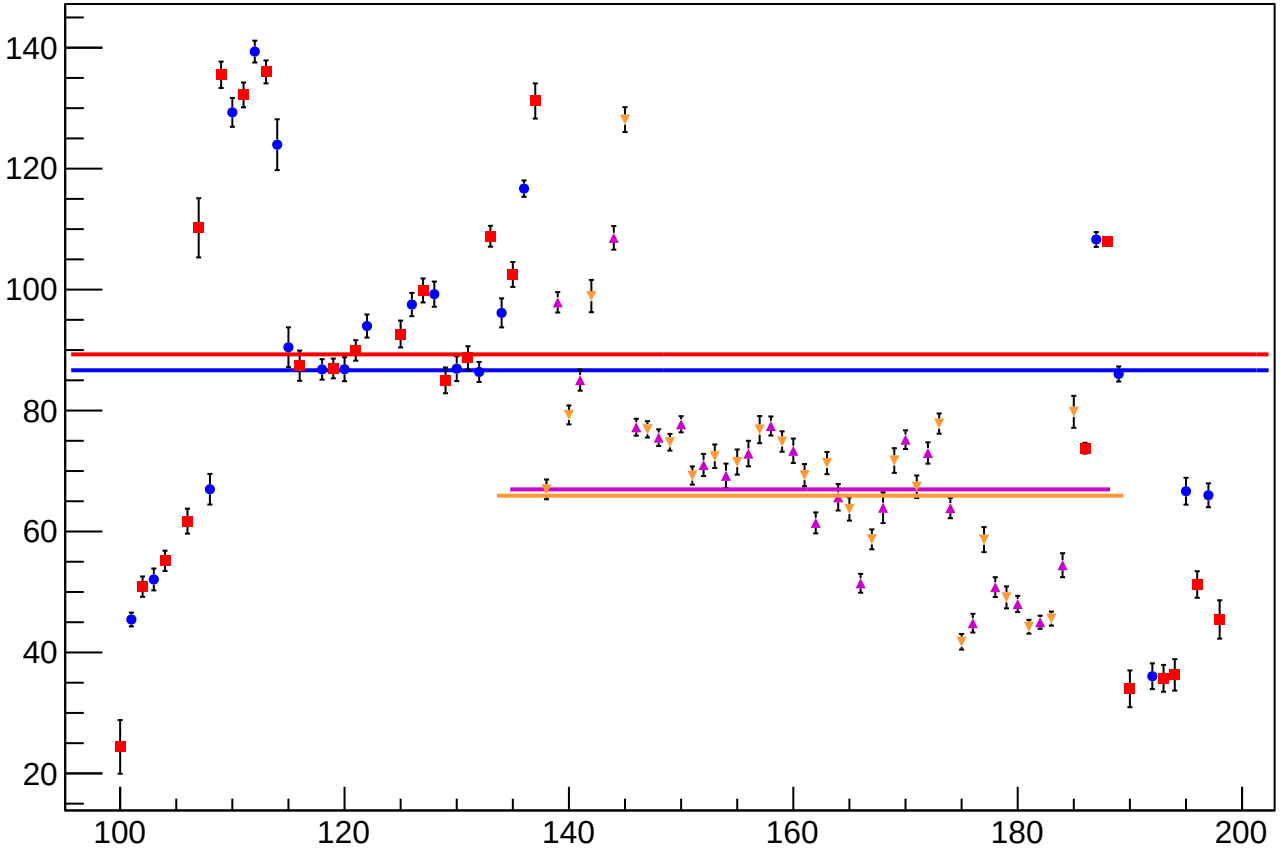
Right: 10.036+/-0.273 χ^2/NDF: 725.9/45

In: 4.030+/-0.216 χ^2/NDF:1164.6/43

Out: 4.506+/-0.211 χ^2/NDF:1481.4/48

All: 4.273+/-0.151 χ^2/NDF: 2648.5/92

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 86.660+/-0.391 χ^2/NDF: 4637.7/20

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 89.288+/-0.342 χ^2/NDF: 6164.3/24

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

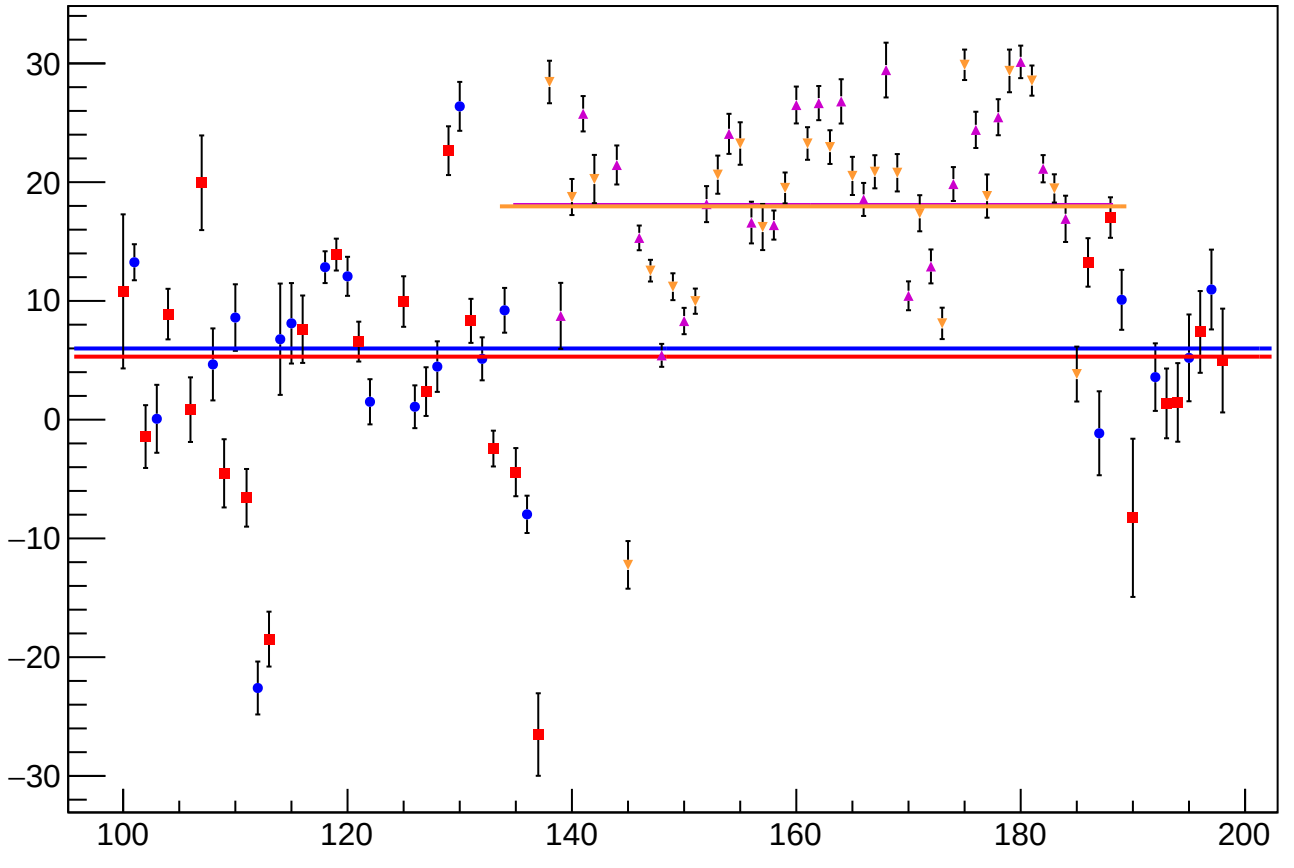
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 88.149+/-0.257 χ^2/NDF: 10827.6/45

In: 75.481+/-0.257 χ^2/NDF:8299.9/43

Out: 77.560+/-0.241 χ^2/NDF:11064.8/48

All: 76.586+/-0.176 χ^2/NDF: 19399.5/92



Right In: 5.995+/-0.466 χ^2/NDF: 436.4/20

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 5.308+/-0.456 χ^2/NDF: 494.0/24

Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

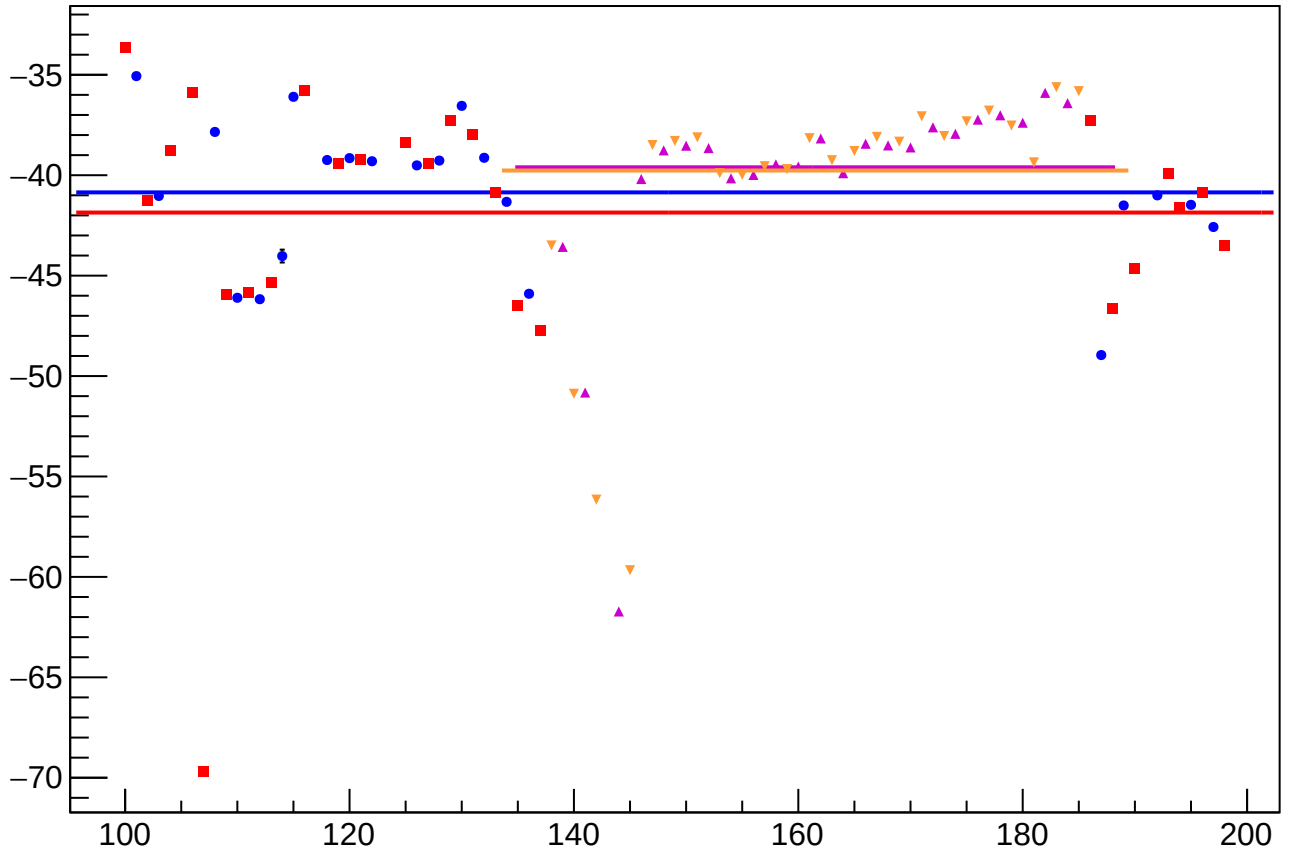
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

Right: 5.645+/-0.326 χ^2/NDF: 931.6/45

In: 14.622+/-0.249 χ^2/NDF:1522.1/43

Out: 14.288+/-0.246 χ^2/NDF:1771.7/48

All: 14.453+/-0.175 χ^2/NDF: 3294.7/92



Right In: -40.855+/-0.025 χ^2/NDF: 20266.4/20

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.859+/-0.024 χ^2/NDF: 41622.2/24

Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

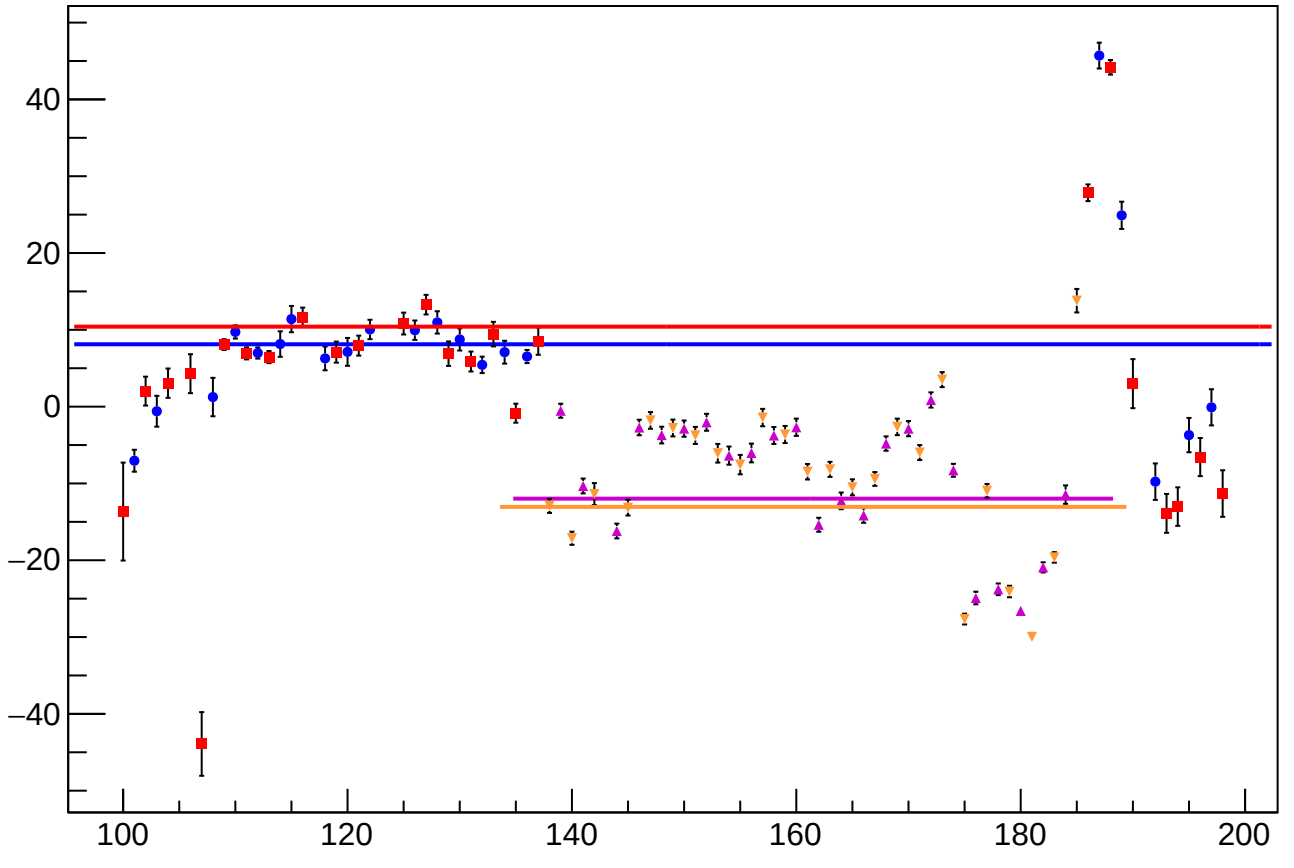
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

Right: -41.373+/-0.017 χ^2/NDF: 62735.5/45

In: -39.888+/-0.012 χ^2/NDF:128870.7/43

Out: -40.267+/-0.012 χ^2/NDF:177305.6/48

All: -40.078+/-0.008 χ^2/NDF: 306696.1/92



Right In: 8.120+/-0.293 χ^2/NDF: 855.3/20

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 10.413+/-0.268 χ^2/NDF: 2201.4/24

Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

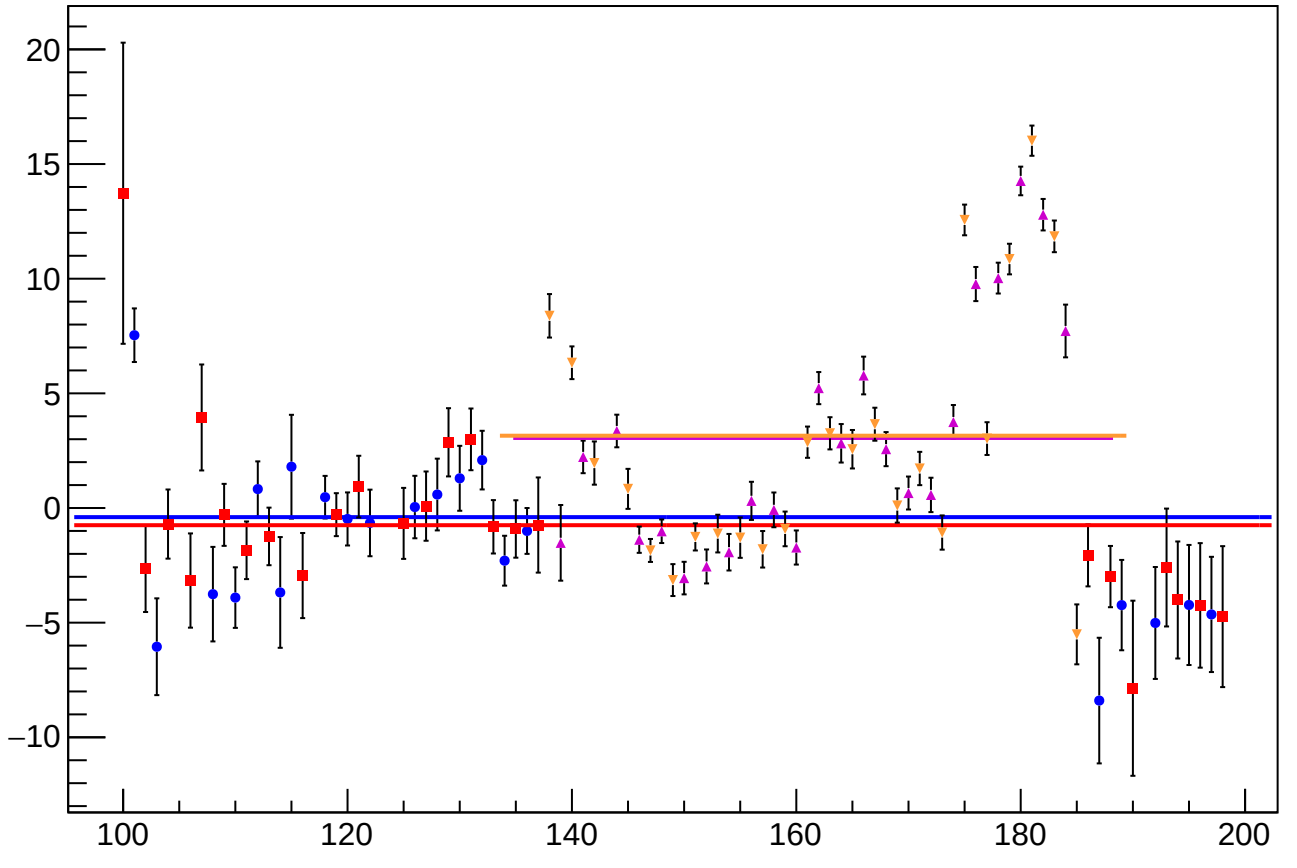
Left: -12.524+/-0.137 χ^2/NDF: 5060.1/46

Right: 9.365+/-0.198 χ^2/NDF: 3090.1/45

In: -5.774+/-0.163 χ^2/NDF:6295.1/43

Out: -5.067+/-0.157 χ^2/NDF:10113.8/48

All: -5.407+/-0.113 χ^2/NDF: 16418.7/92



Right In: -0.398+/-0.317 χ^2/NDF: 97.7/20

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -0.749+/-0.314 χ^2/NDF: 42.3/24

Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

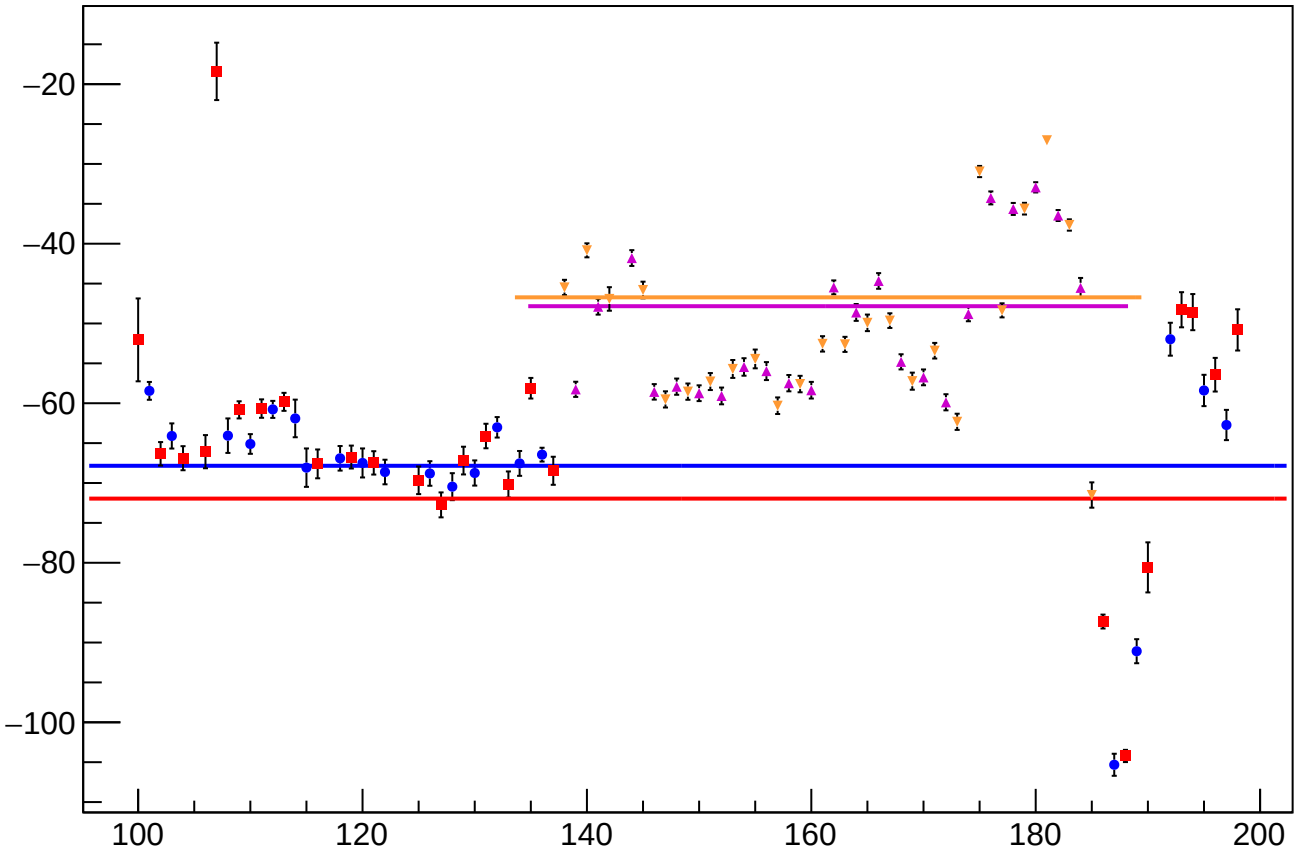
Left: 3.105+/-0.106 χ^2/NDF: 2530.3/46

Right: -0.575+/-0.223 χ^2/NDF: 140.6/45

In: 2.409+/-0.137 χ^2/NDF:1339.3/43

Out: 2.434+/-0.135 χ^2/NDF:1553.5/48

All: 2.422+/-0.096 χ^2/NDF: 2892.8/92



Right In: -67.842+/-0.321 χ^2/NDF: 1218.7/20

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -71.956+/-0.294 χ^2/NDF: 3209.1/24

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

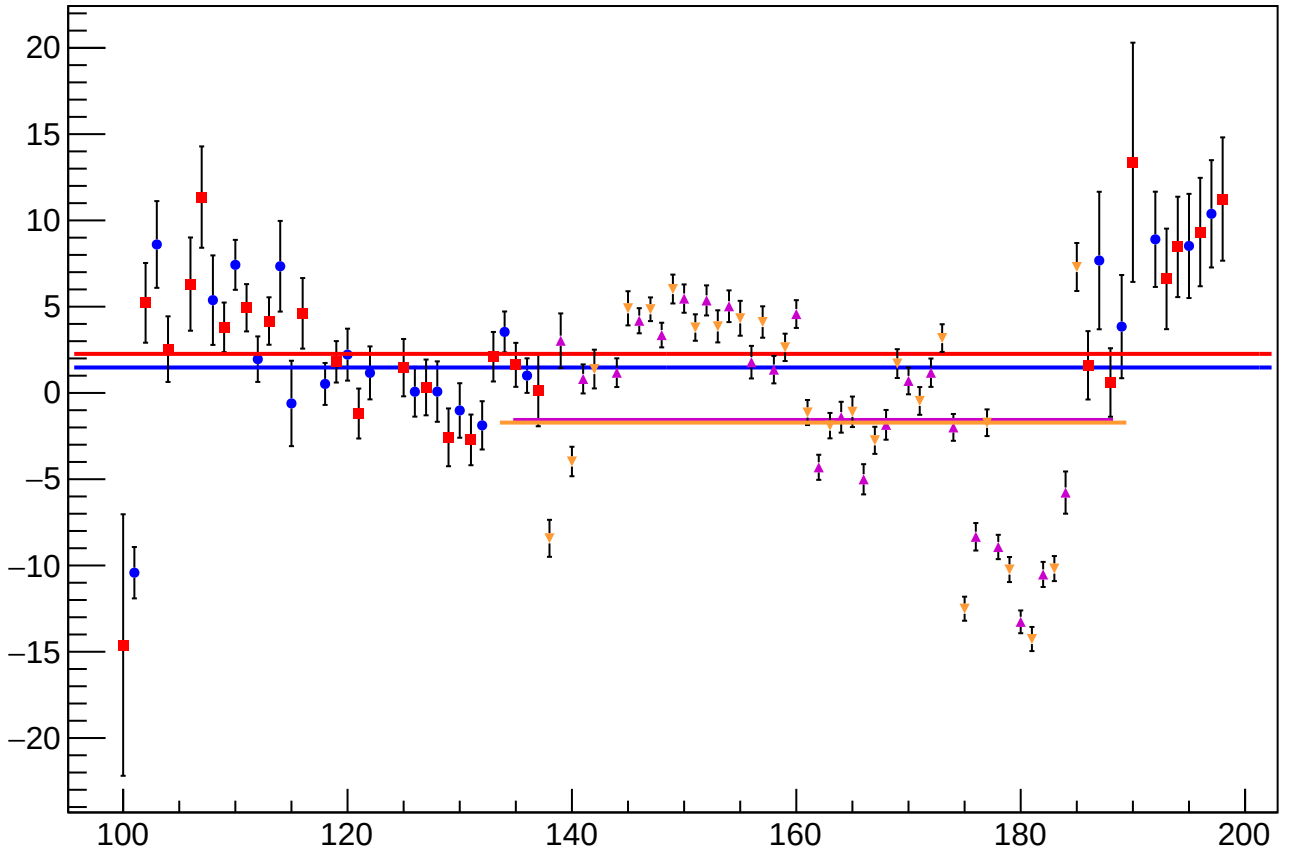
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

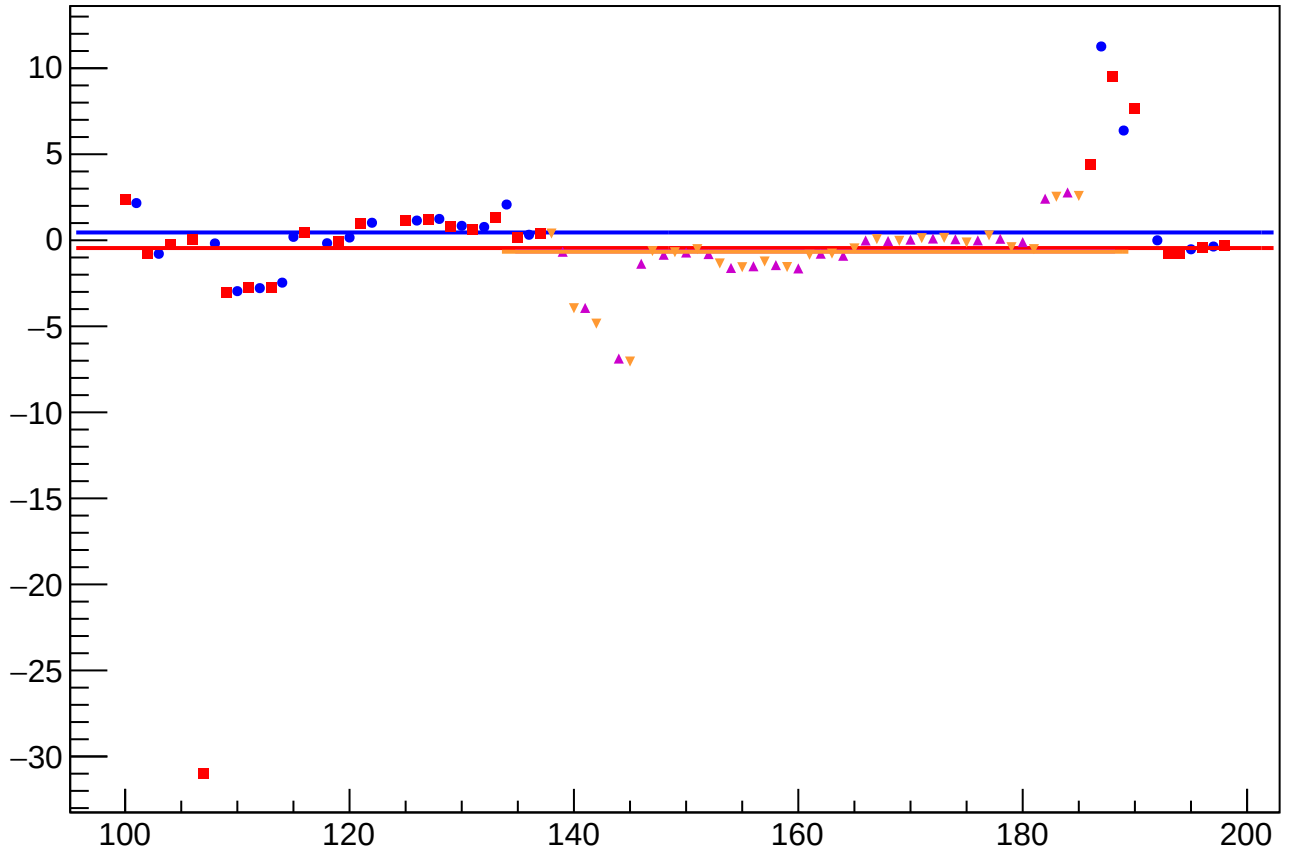
Right: -70.080+/-0.217 χ^2/NDF: 4517.2/45

In: -53.186+/-0.166 χ^2/NDF:6625.3/43

Out: -54.254+/-0.160 χ^2/NDF:11833.9/48

All: -53.738+/-0.115 χ^2/NDF: 18480.6/92


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: 1.475+/-0.363 χ²/NDF: 134.7/20
Left Out: -1.718+/-0.168 χ²/NDF:1406.1/23
Right Out: 2.264+/-0.364 χ²/NDF: 76.8/24
Left In: -1.567+/-0.171 χ²/NDF:1117.7/22
Left: -1.644+/-0.120 χ²/NDF: 2524.2/46
Right: 1.868+/-0.257 χ²/NDF: 213.9/45
In: -1.015+/-0.154 χ²/NDF:1310.1/43
Out: -1.021+/-0.152 χ²/NDF:1581.4/48
All: -1.018+/-0.108 χ²/NDF: 2891.5/92



Right In: 0.454+/-0.019 χ^2/NDF: 9615.2/20

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.452+/-0.019 χ^2/NDF: 59941.1/24

Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

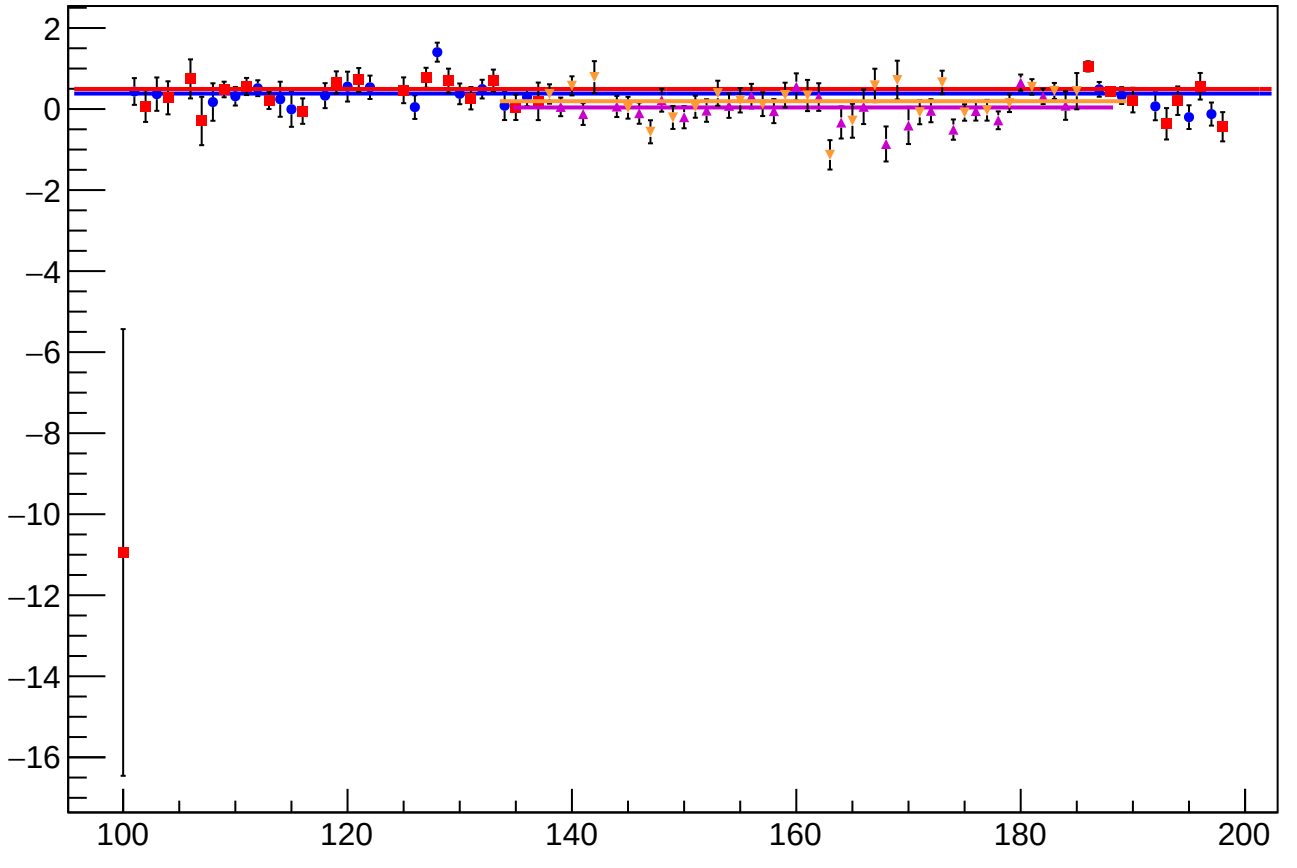
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.004+/-0.014 χ^2/NDF: 70650.3/45

In: -0.500+/-0.007 χ^2/NDF:57999.3/43

Out: -0.638+/-0.007 χ^2/NDF:115323.1/48

All: -0.569+/-0.005 χ^2/NDF: 173514.1/92



Right In: 0.382+/-0.059 χ^2/NDF: 31.9/20

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.495+/-0.050 χ^2/NDF: 52.2/24

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

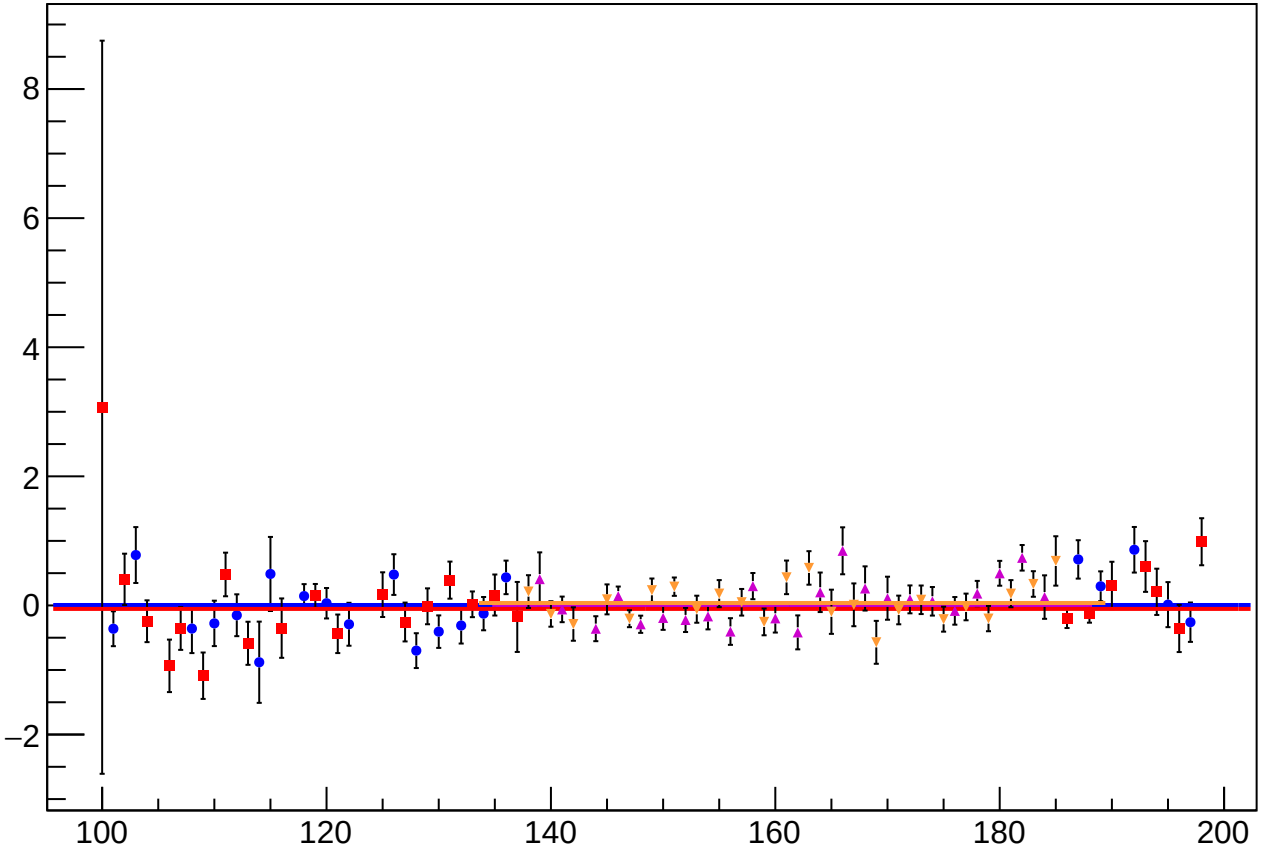
Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

Right: 0.449+/-0.038 χ^2/NDF: 86.2/45

In: 0.206+/-0.041 χ^2/NDF:79.7/43

Out: 0.364+/-0.037 χ^2/NDF:112.3/48

All: 0.293+/-0.028 χ^2/NDF: 200.1/92



Right In: 0.007+/-0.064 χ^2/NDF: 40.8/20

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: -0.054+/-0.057 χ^2/NDF: 42.2/24

Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

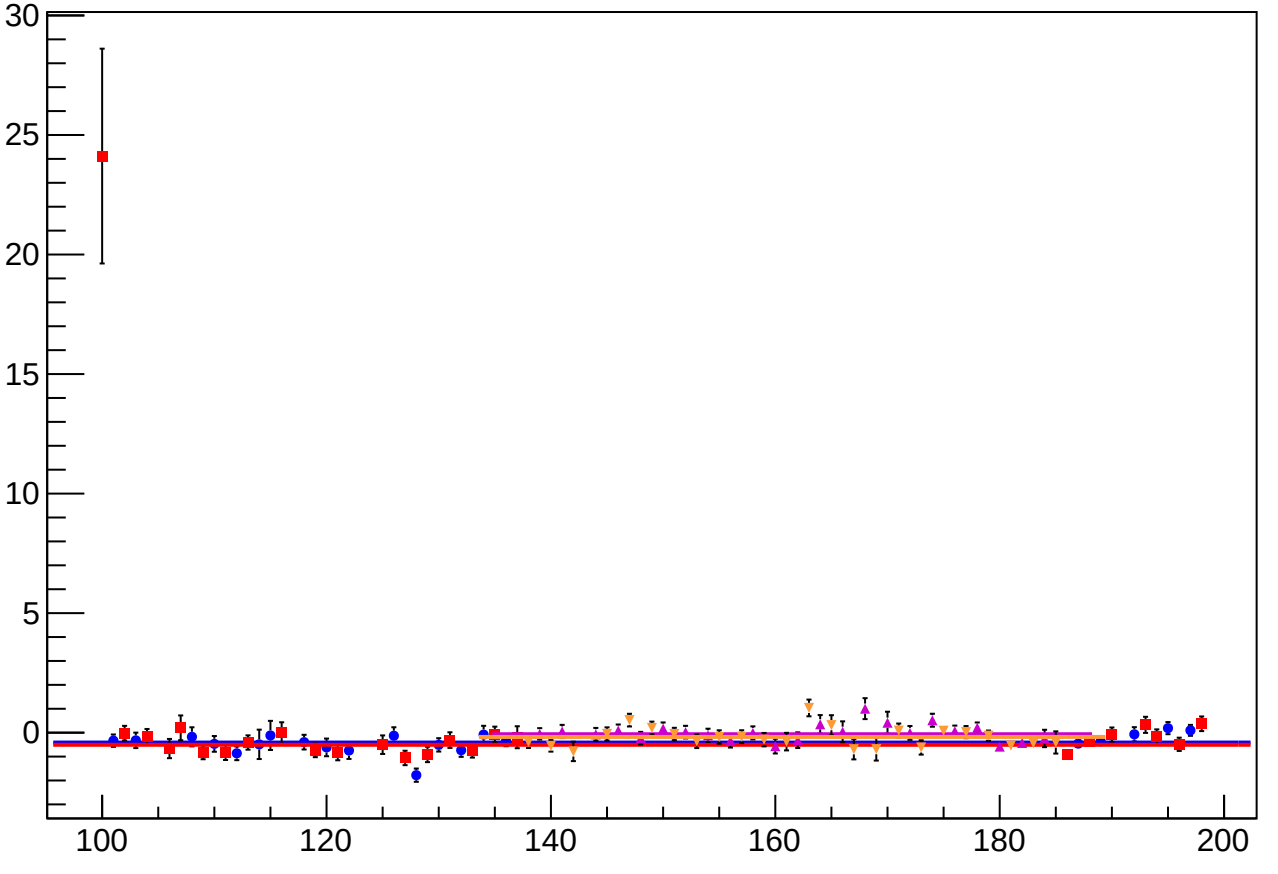
Right: -0.027+/-0.043 χ^2/NDF: 83.6/45

In: 0.008+/-0.036 χ^2/NDF:92.2/43

Out: 0.004+/-0.034 χ^2/NDF:76.7/48

All: 0.006+/-0.025 χ^2/NDF: 168.9/92

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.414+/-0.060 χ^2/NDF: 43.8/20

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.507+/-0.047 χ^2/NDF: 83.4/24

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

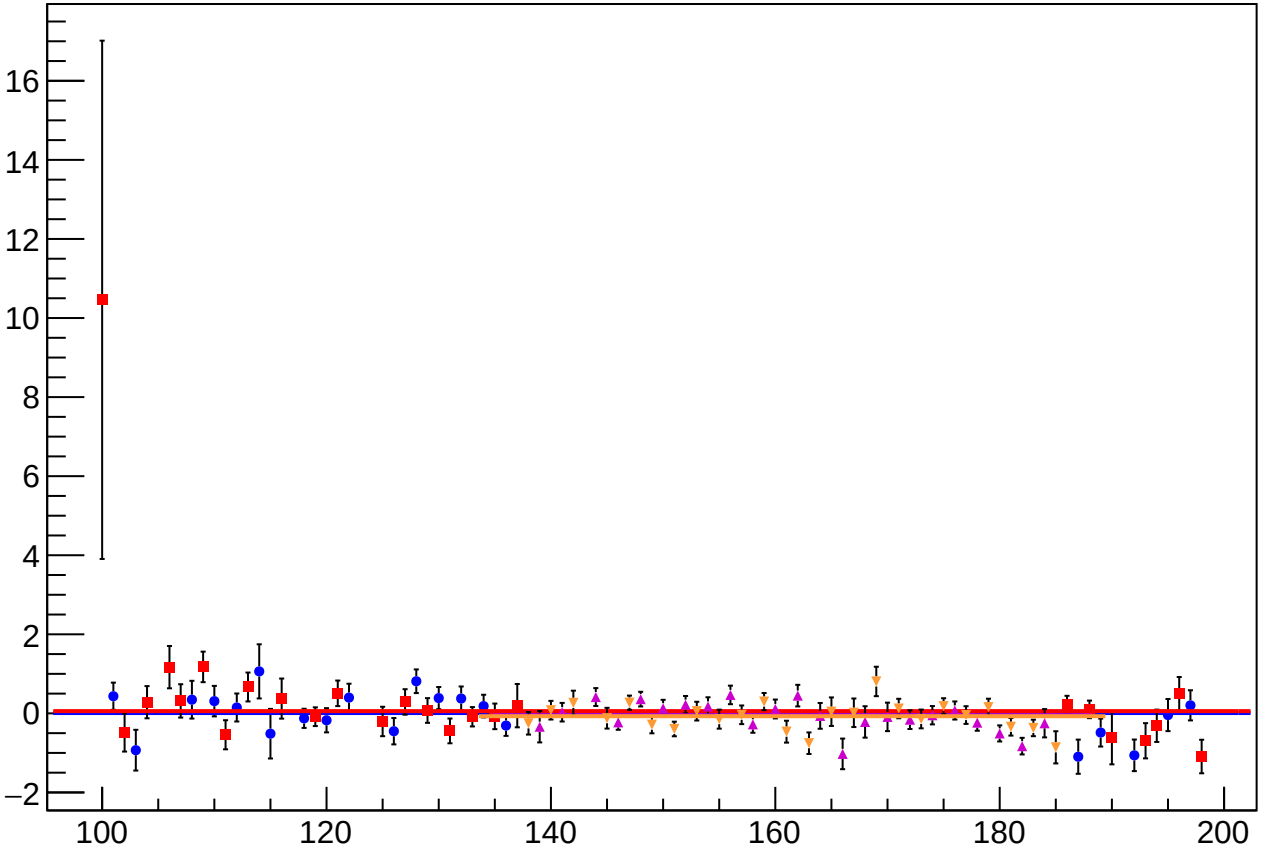
Right: -0.471+/-0.037 χ^2/NDF: 128.7/45

In: -0.232+/-0.041 χ^2/NDF:93.0/43

Out: -0.371+/-0.036 χ^2/NDF:145.6/48

All: -0.310+/-0.027 χ^2/NDF: 245.0/92

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.009+/-0.076 χ^2/NDF: 41.2/20

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: 0.057+/-0.070 χ^2/NDF: 43.0/24

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

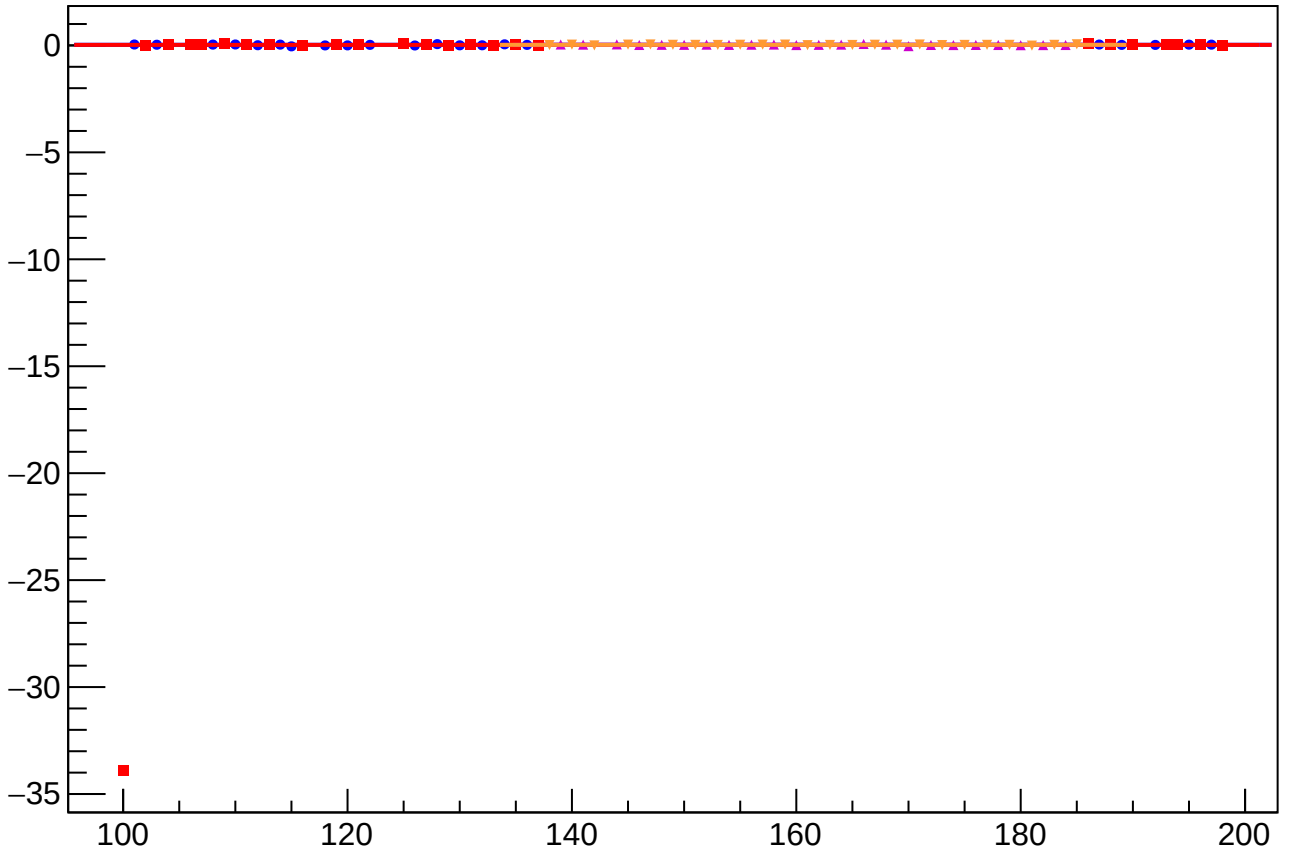
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: 0.035+/-0.051 χ^2/NDF: 84.5/45

In: -0.030+/-0.042 χ^2/NDF:92.1/43

Out: -0.029+/-0.040 χ^2/NDF:83.0/48

All: -0.030+/-0.029 χ^2/NDF: 175.1/92



Right In: 0.029+/-0.004 χ^2/NDF: 15.8/20

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.024+/-0.004 χ^2/NDF: 22306.4/24

Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

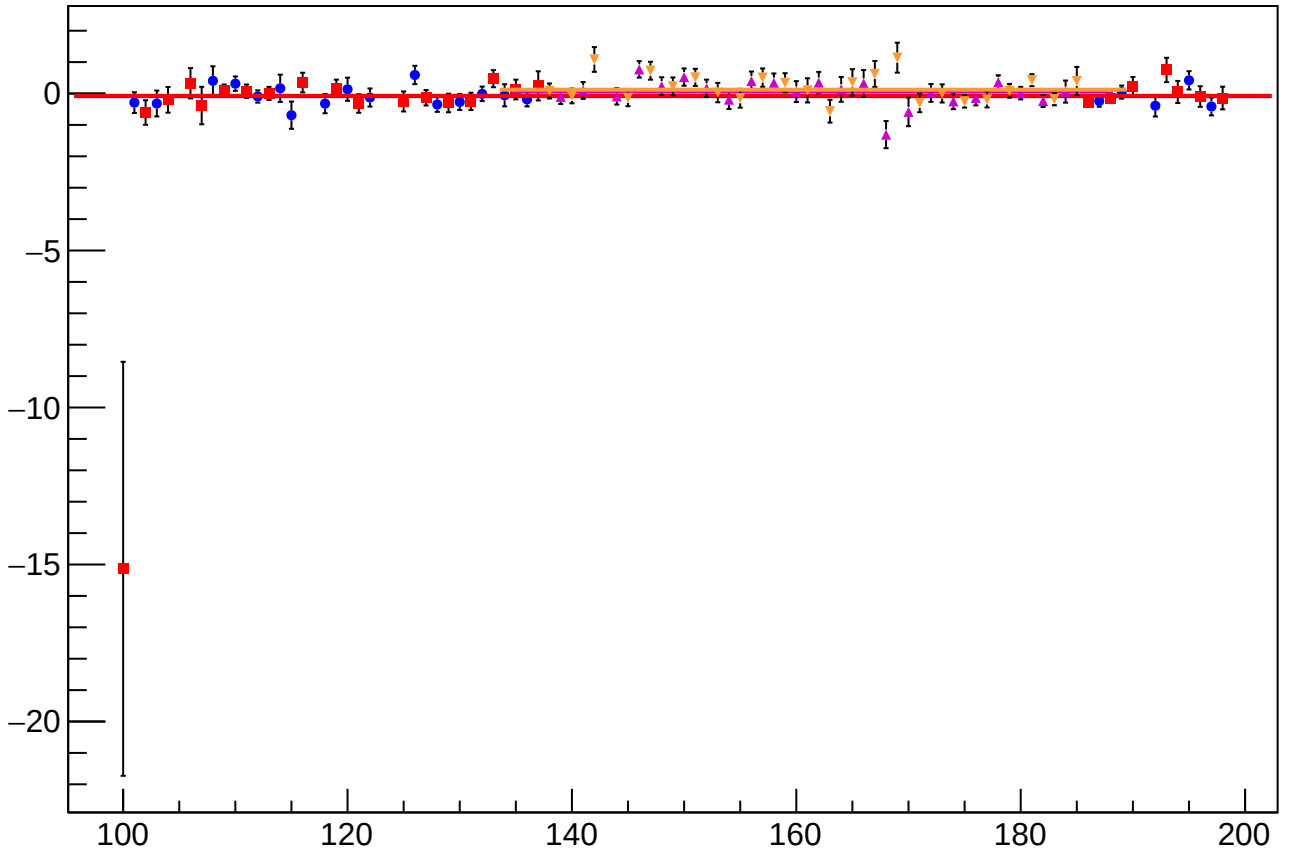
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.026+/-0.003 χ^2/NDF: 22323.0/45

In: 0.027+/-0.002 χ^2/NDF:55.6/43

Out: 0.026+/-0.002 χ^2/NDF:22338.2/48

All: 0.026+/-0.001 χ^2/NDF: 22393.9/92



Right In: -0.083+/-0.059 χ^2/NDF: 21.8/20

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.073+/-0.050 χ^2/NDF: 28.5/24

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

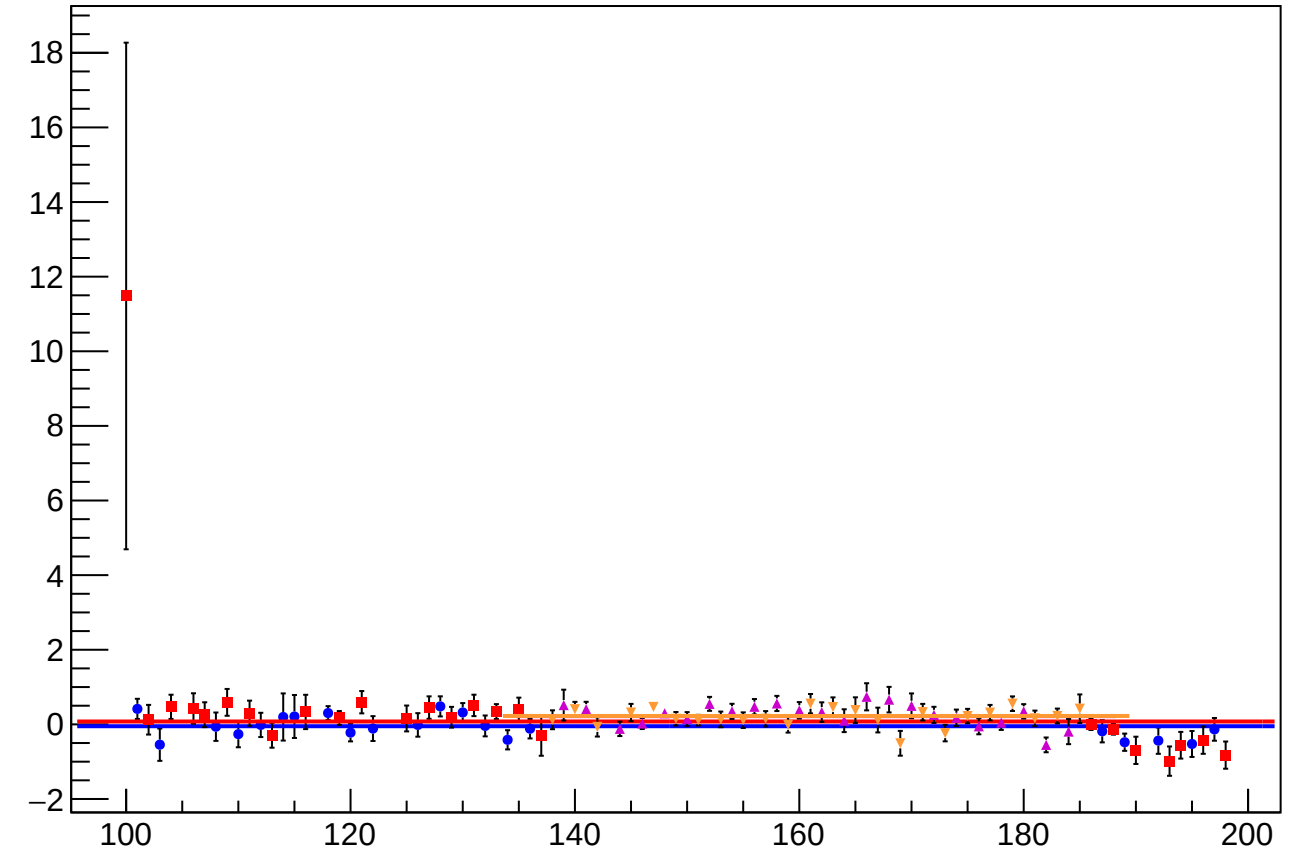
Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

Right: -0.077+/-0.038 χ^2/NDF: 50.3/45

In: -0.007+/-0.041 χ^2/NDF:59.1/43

Out: 0.012+/-0.037 χ^2/NDF:74.8/48

All: 0.003+/-0.028 χ^2/NDF: 134.1/92



Right In: -0.050+/-0.064 χ^2/NDF: 24.1/20

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.077+/-0.057 χ^2/NDF: 44.9/24

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

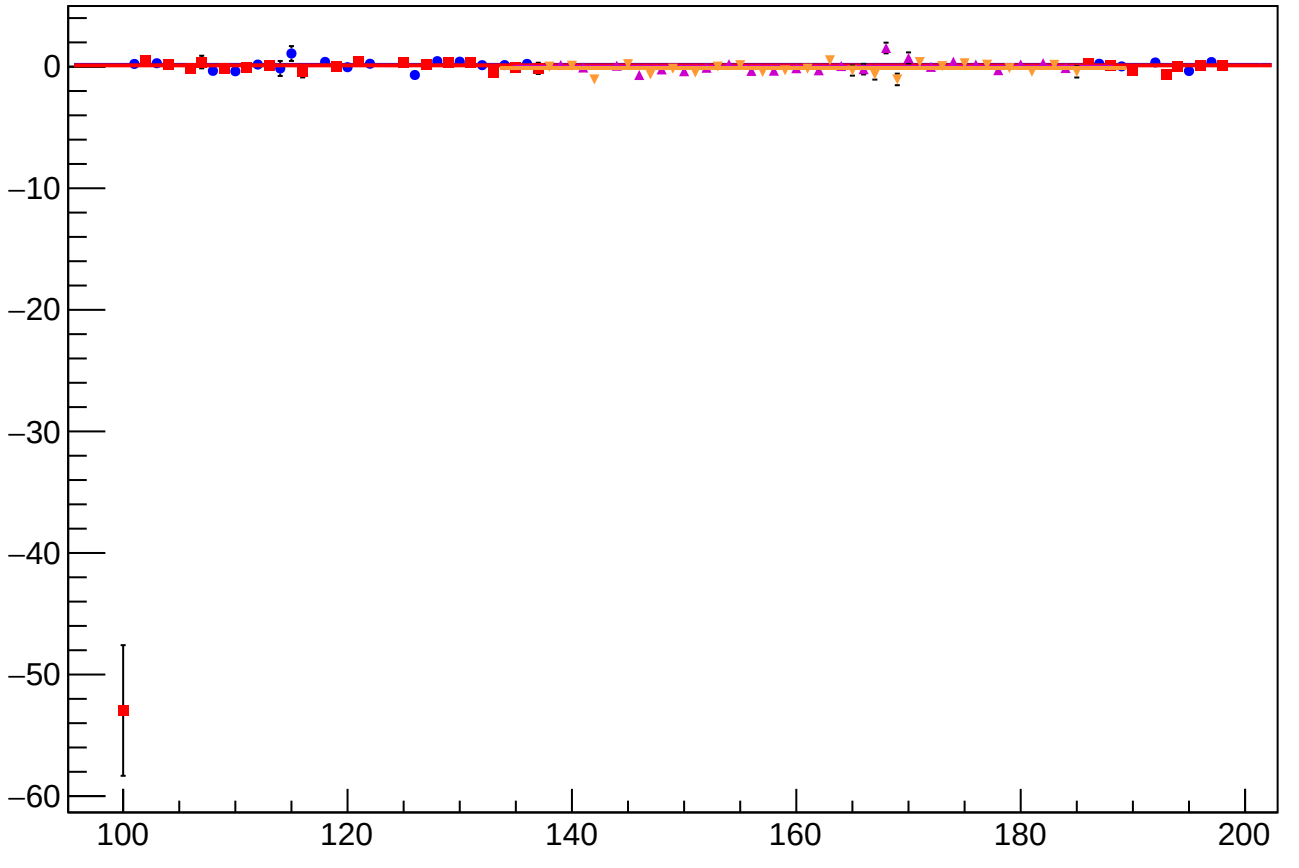
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: 0.021+/-0.043 χ^2/NDF: 71.2/45

In: 0.133+/-0.036 χ^2/NDF:75.6/43

Out: 0.171+/-0.034 χ^2/NDF:73.2/48

All: 0.153+/-0.025 χ^2/NDF: 149.4/92



Right In: 0.148+/-0.060 χ^2/NDF: 21.9/20

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.112+/-0.047 χ^2/NDF: 118.4/24

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

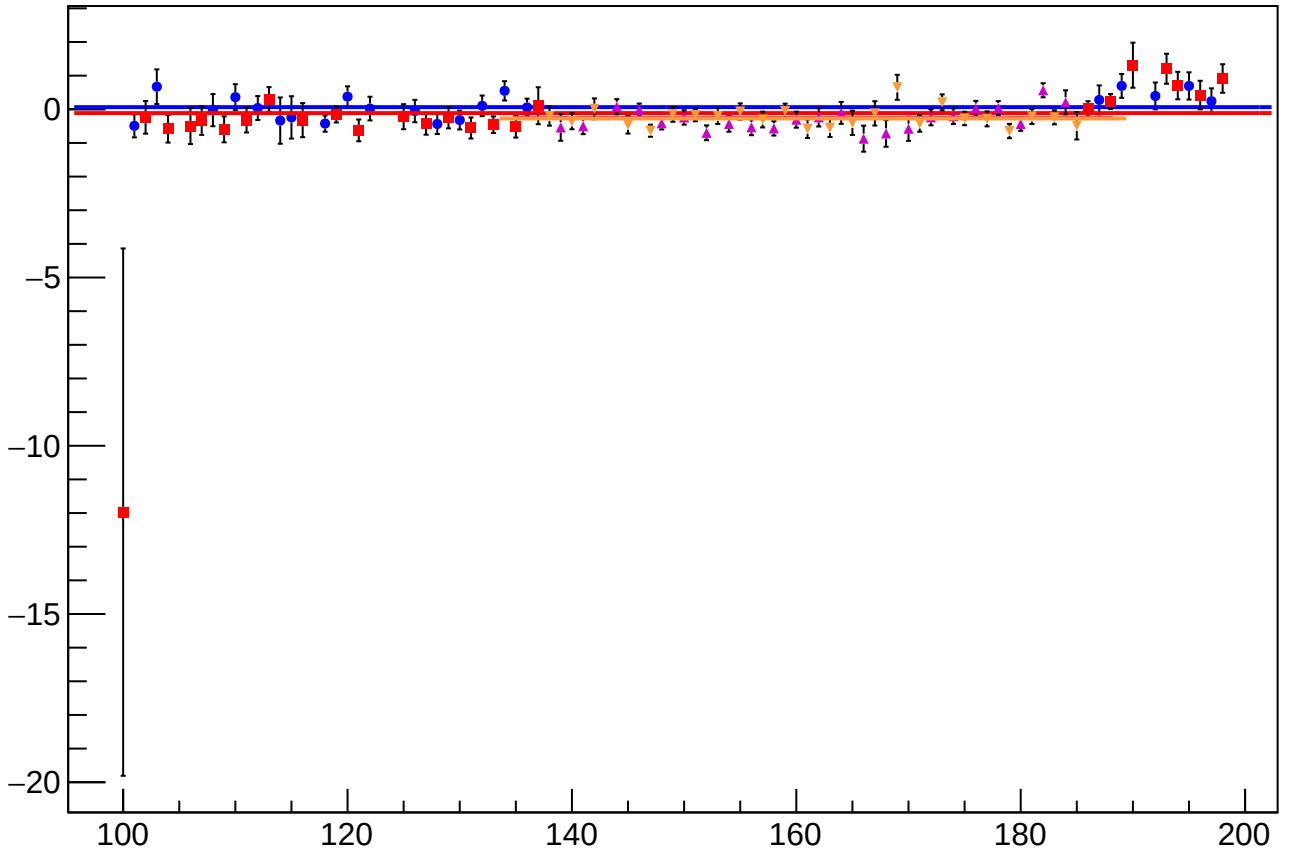
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.126+/-0.037 χ^2/NDF: 140.5/45

In: 0.066+/-0.041 χ^2/NDF:63.5/43

Out: 0.022+/-0.036 χ^2/NDF:164.7/48

All: 0.041+/-0.027 χ^2/NDF: 228.8/92



Right In: 0.064+/-0.076 χ^2/NDF: 24.8/20

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.114+/-0.070 χ^2/NDF: 44.7/24

Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

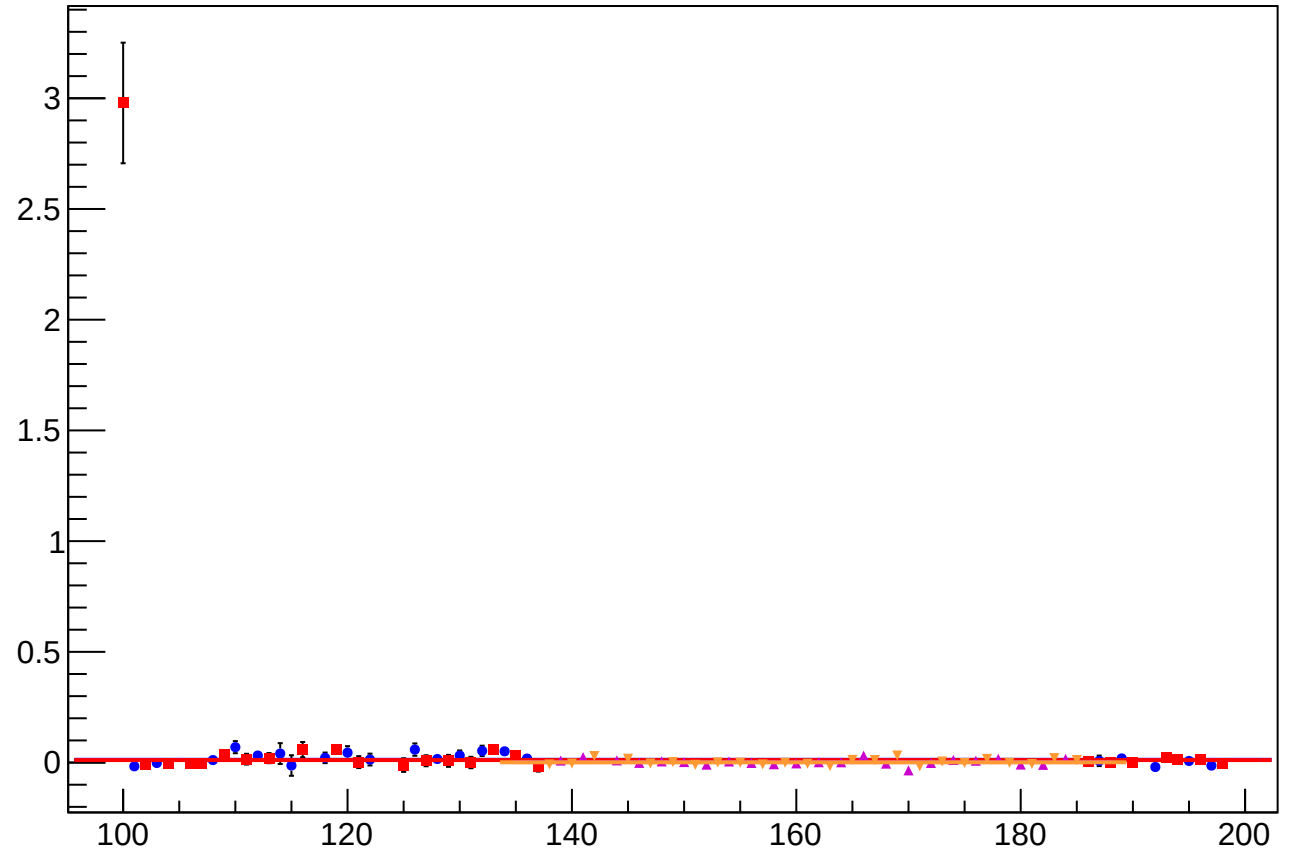
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: -0.032+/-0.051 χ^2/NDF: 72.4/45

In: -0.157+/-0.042 χ^2/NDF:77.6/43

Out: -0.220+/-0.040 χ^2/NDF:72.9/48

All: -0.189+/-0.029 χ^2/NDF: 151.7/92



Right In: 0.012+/-0.004 χ^2/NDF: 36.9/20

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.011+/-0.004 χ^2/NDF: 145.2/24

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

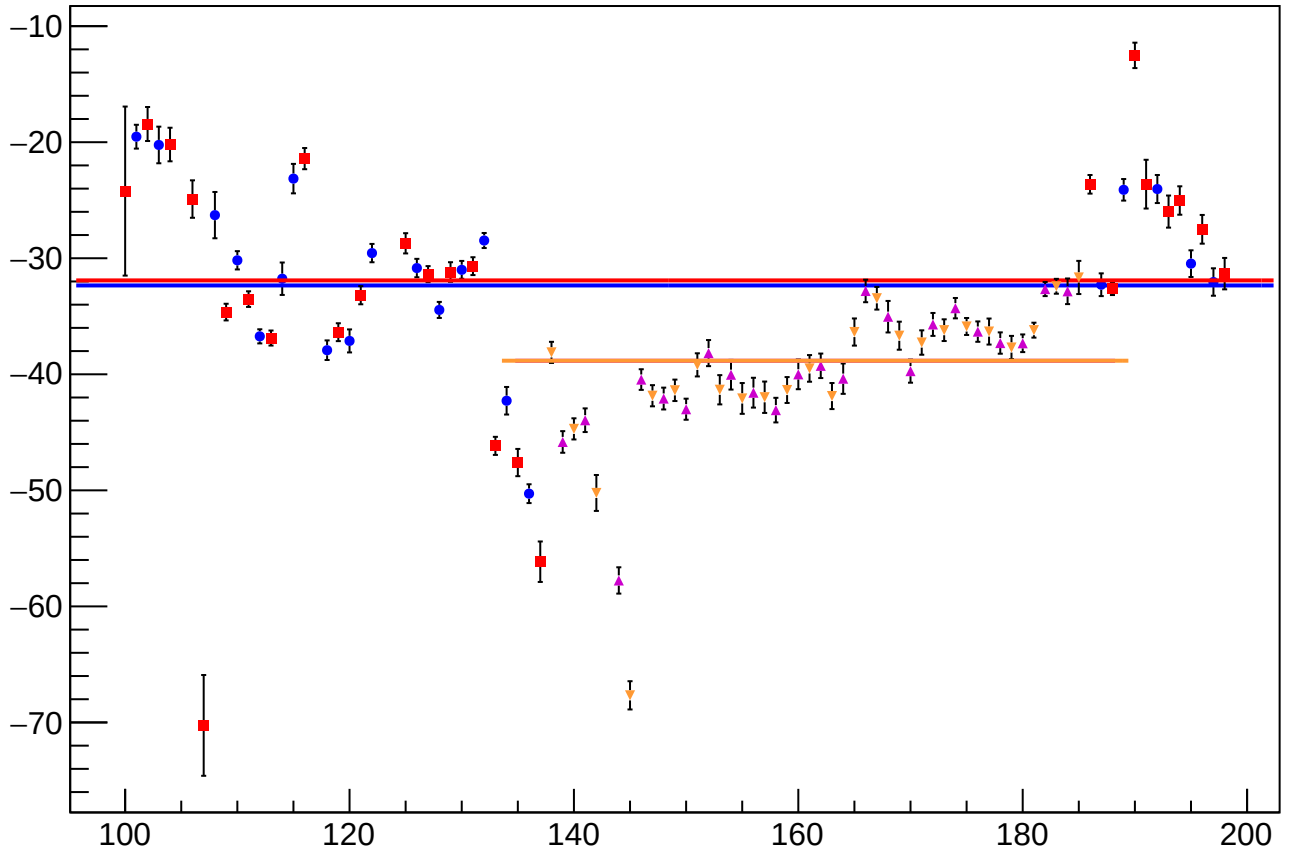
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.012+/-0.003 χ^2/NDF: 182.2/45

In: 0.005+/-0.002 χ^2/NDF:66.8/43

Out: 0.004+/-0.002 χ^2/NDF:177.8/48

All: 0.004+/-0.001 χ^2/NDF: 244.7/92



Right In: -32.344+/-0.198 χ^2/NDF: 1156.1/20

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.909+/-0.183 χ^2/NDF: 1720.7/25

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

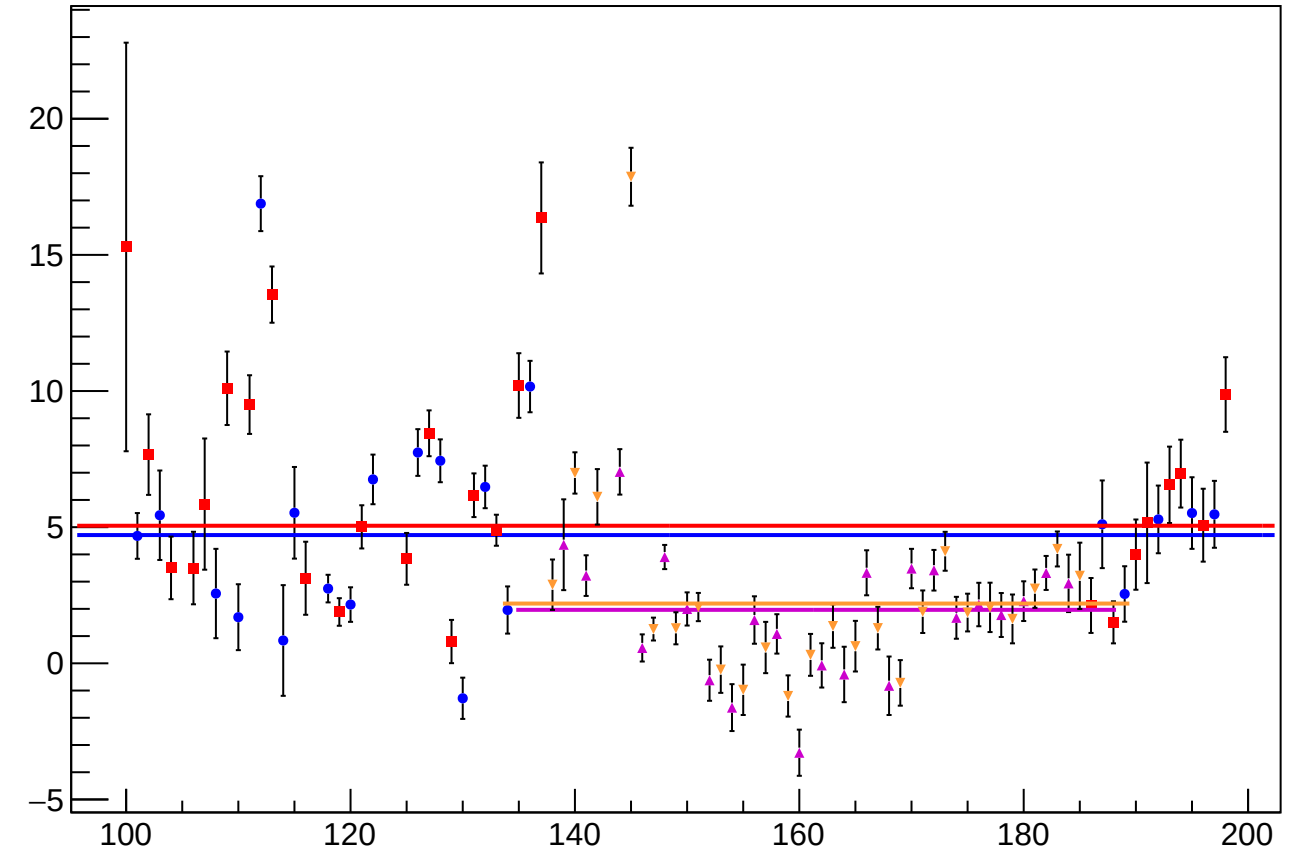
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -32.108+/-0.134 χ^2/NDF: 2879.4/46

In: -35.510+/-0.142 χ^2/NDF:2331.7/43

Out: -35.021+/-0.135 χ^2/NDF:3283.3/49

All: -35.254+/-0.098 χ^2/NDF: 5621.2/93



Right In: 4.710+/-0.204 χ^2/NDF: 335.1/20

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 5.052+/-0.197 χ^2/NDF: 292.3/25

Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

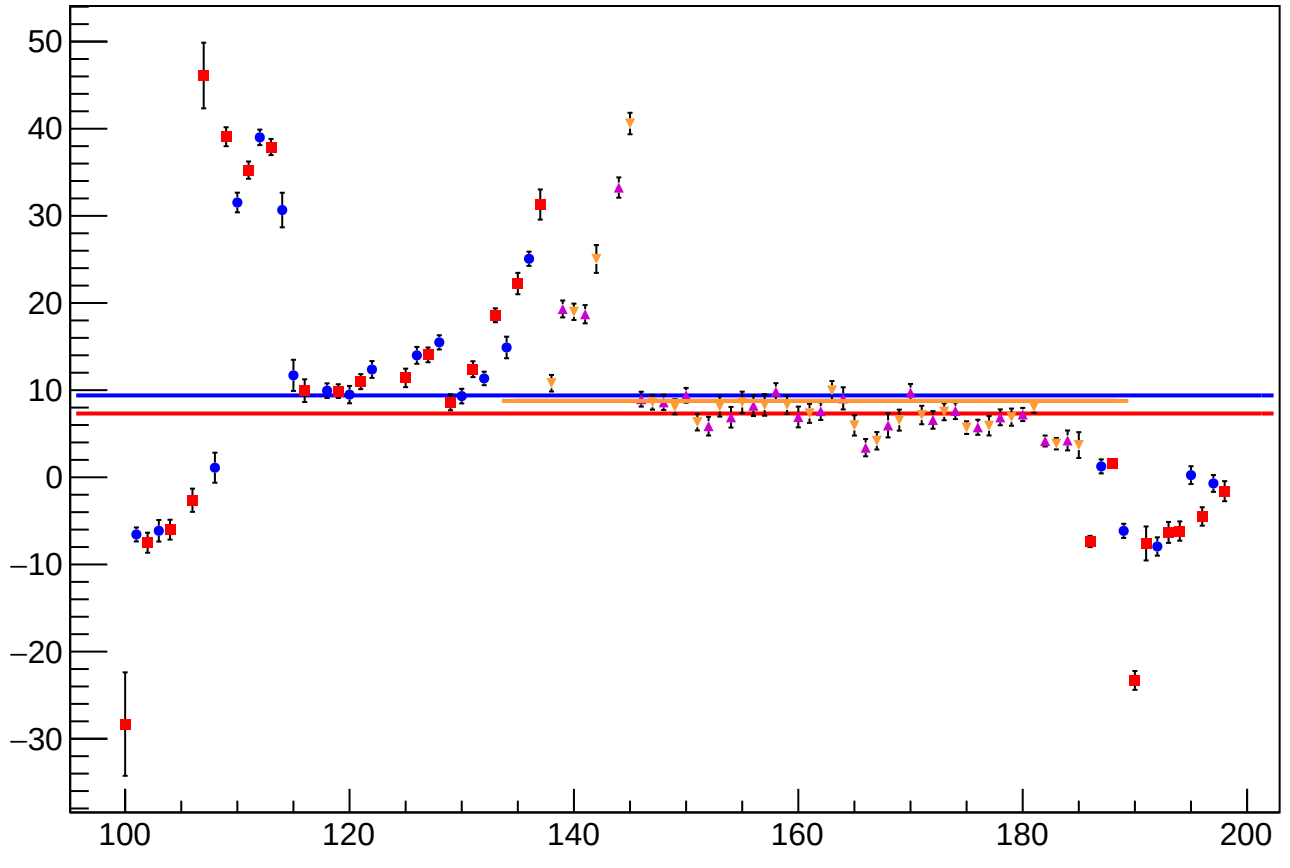
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

Right: 4.887+/-0.142 χ^2/NDF: 628.9/46

In: 2.967+/-0.123 χ^2/NDF:623.5/43

Out: 3.262+/-0.120 χ^2/NDF:789.1/49

All: 3.118+/-0.086 χ^2/NDF: 1415.5/93



Right In: 9.396+/-0.211 χ^2/NDF: 3588.8/20

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 7.320+/-0.190 χ^2/NDF: 5934.0/25

Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

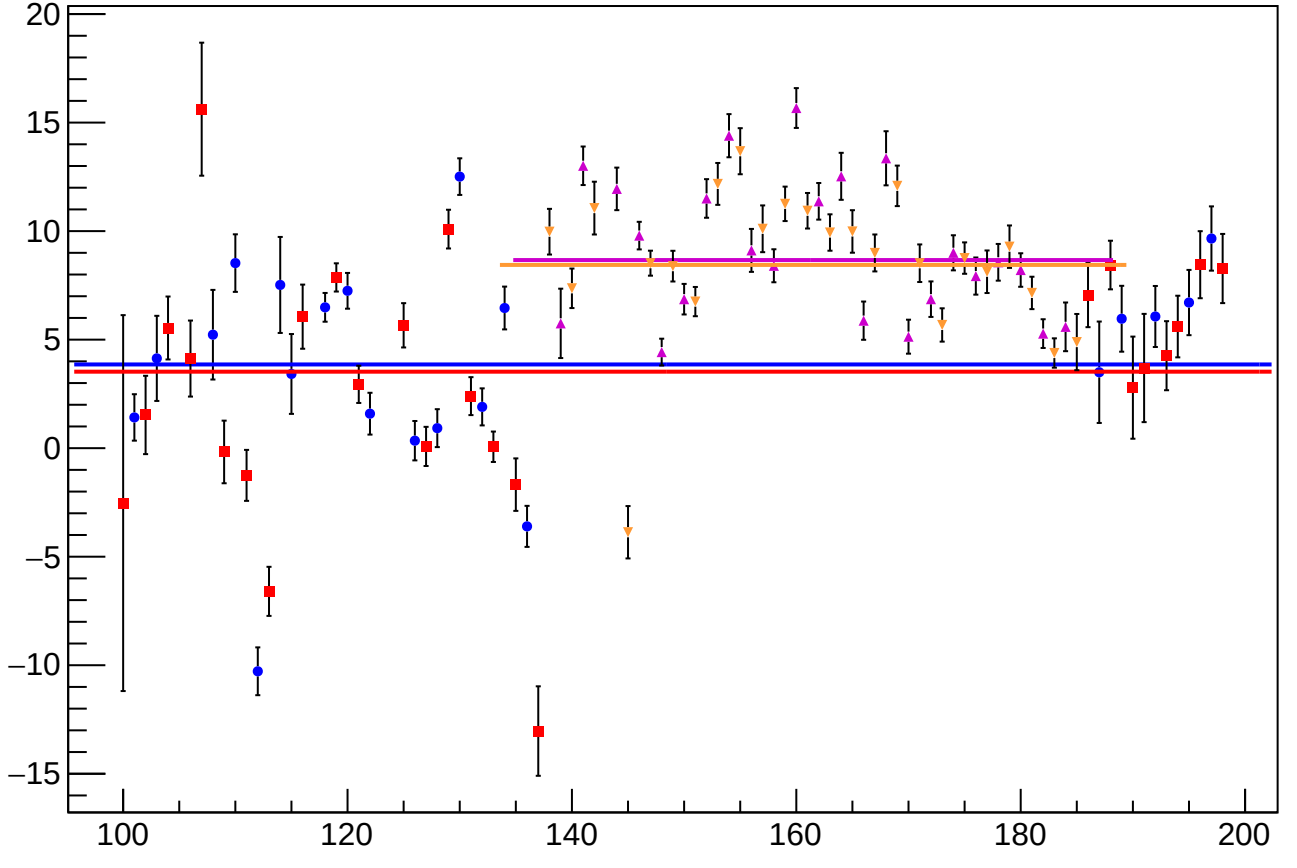
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

Right: 8.248+/-0.141 χ^2/NDF: 9576.2/46

In: 9.070+/-0.146 χ^2/NDF:4388.4/43

Out: 8.004+/-0.138 χ^2/NDF:6996.8/49

All: 8.507+/-0.100 χ^2/NDF: 11413.5/93



Right In: 3.857+/-0.239 χ^2/NDF: 453.2/20

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.524+/-0.233 χ^2/NDF: 399.3/25

Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

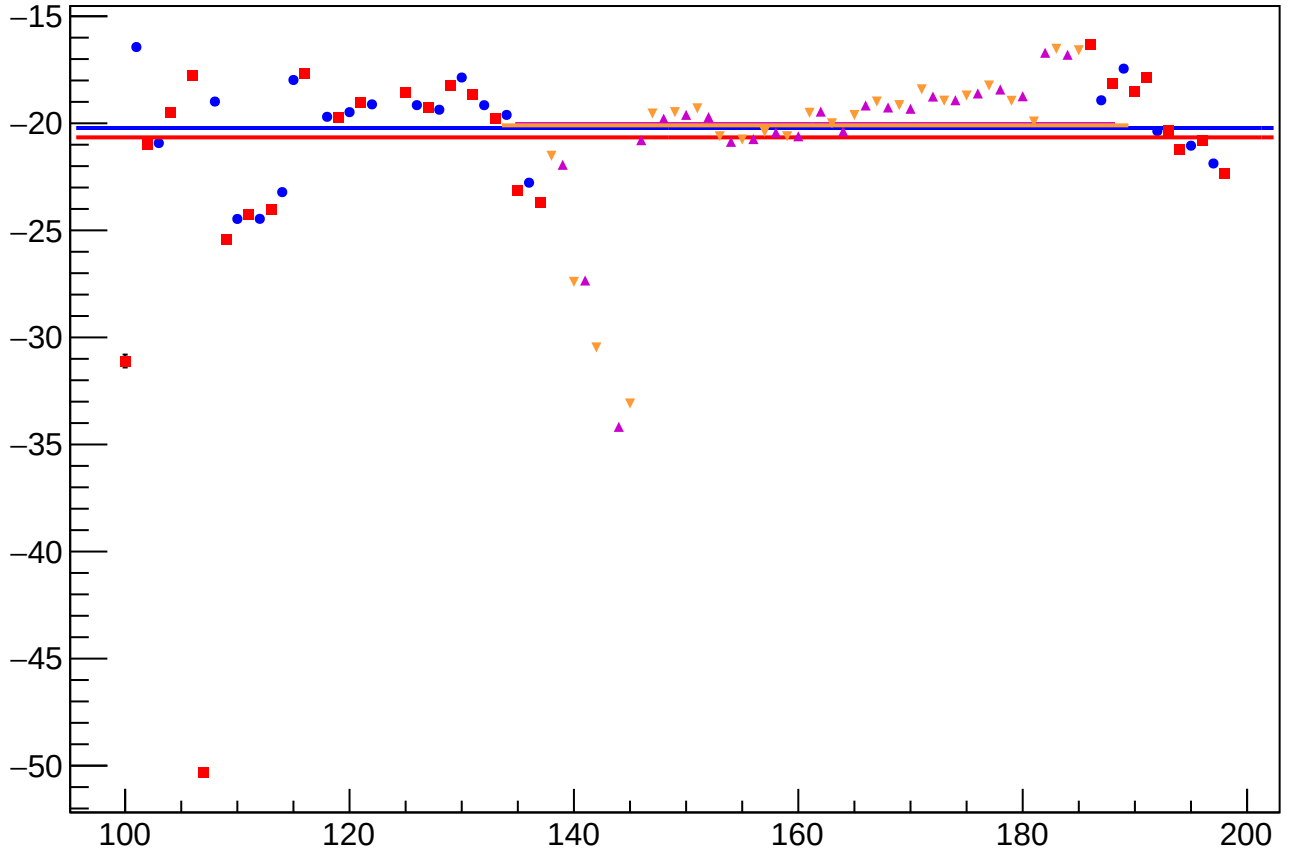
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 3.687+/-0.167 χ^2/NDF: 853.5/46

In: 6.976+/-0.141 χ^2/NDF:1021.4/43

Out: 6.688+/-0.139 χ^2/NDF:950.0/49

All: 6.830+/-0.099 χ^2/NDF: 1973.6/93



Right In: -20.219+/-0.013 χ^2/NDF: 23743.7/20

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.657+/-0.012 χ^2/NDF: 66204.1/25

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

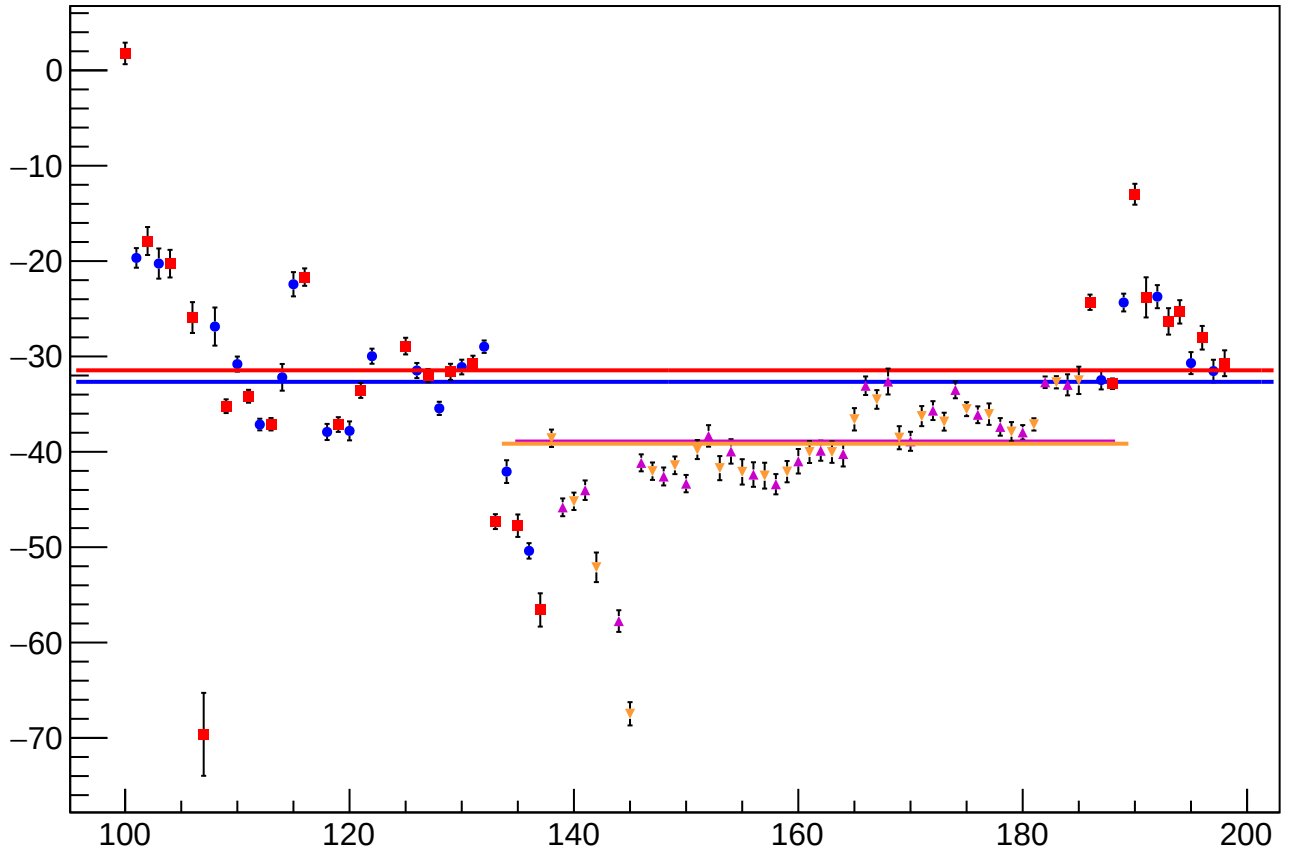
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

Right: -20.452+/-0.009 χ^2/NDF: 90528.4/46

In: -20.085+/-0.007 χ^2/NDF:156174.4/43

Out: -20.258+/-0.007 χ^2/NDF:226943.5/49

All: -20.173+/-0.005 χ^2/NDF: 383446.1/93



Right In: -32.662+/-0.199 χ^2/NDF: 1162.3/20

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -31.456+/-0.181 χ^2/NDF: 2648.1/25

Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

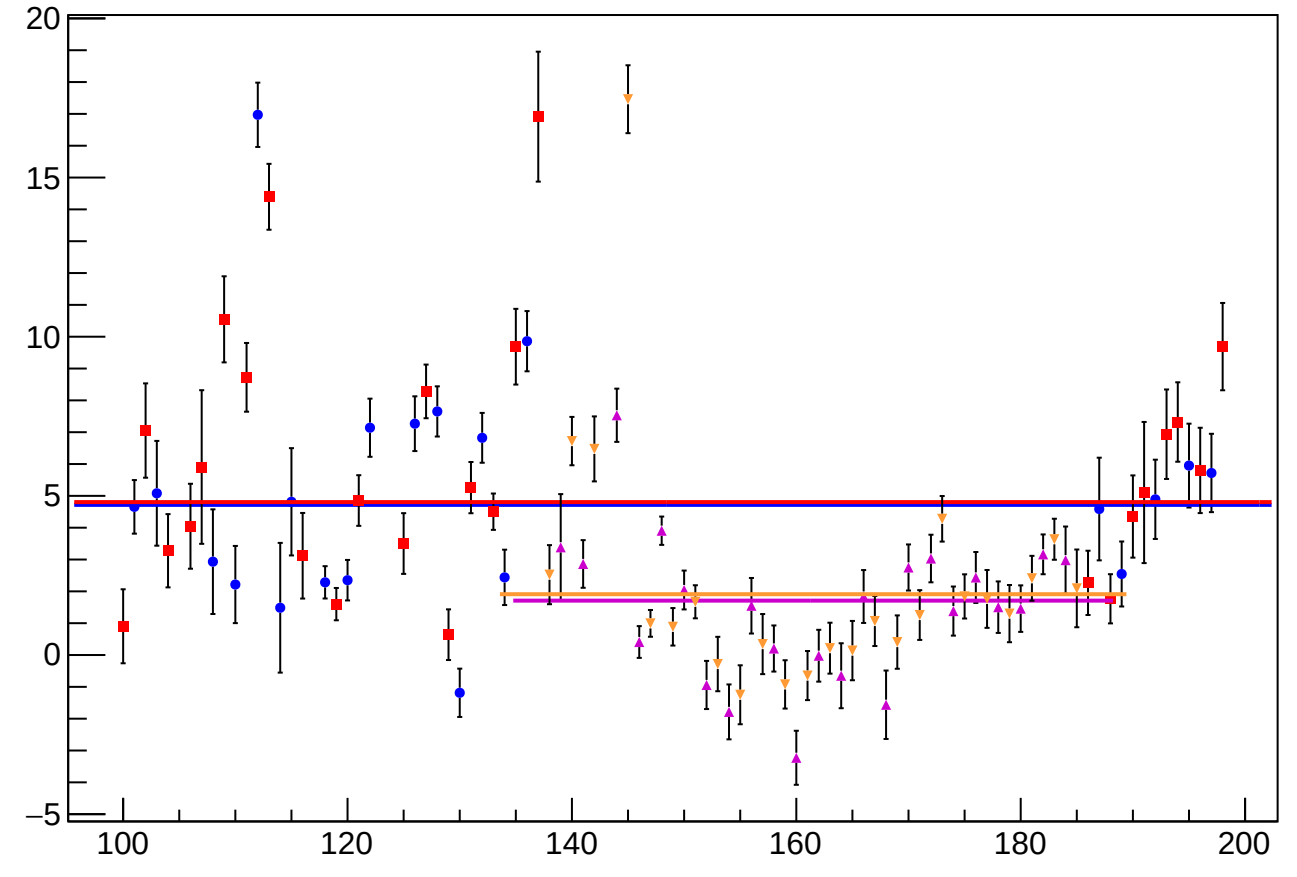
Left: -39.036+/-0.144 χ^2/NDF: 1583.8/46

Right: -32.001+/-0.134 χ^2/NDF: 3830.6/46

In: -35.715+/-0.142 χ^2/NDF:2330.1/43

Out: -34.866+/-0.135 χ^2/NDF:4350.6/49

All: -35.267+/-0.098 χ^2/NDF: 6699.4/93



Right In: 4.717+/-0.204 χ^2/NDF: 331.8/20

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.804+/-0.195 χ^2/NDF: 314.8/25

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

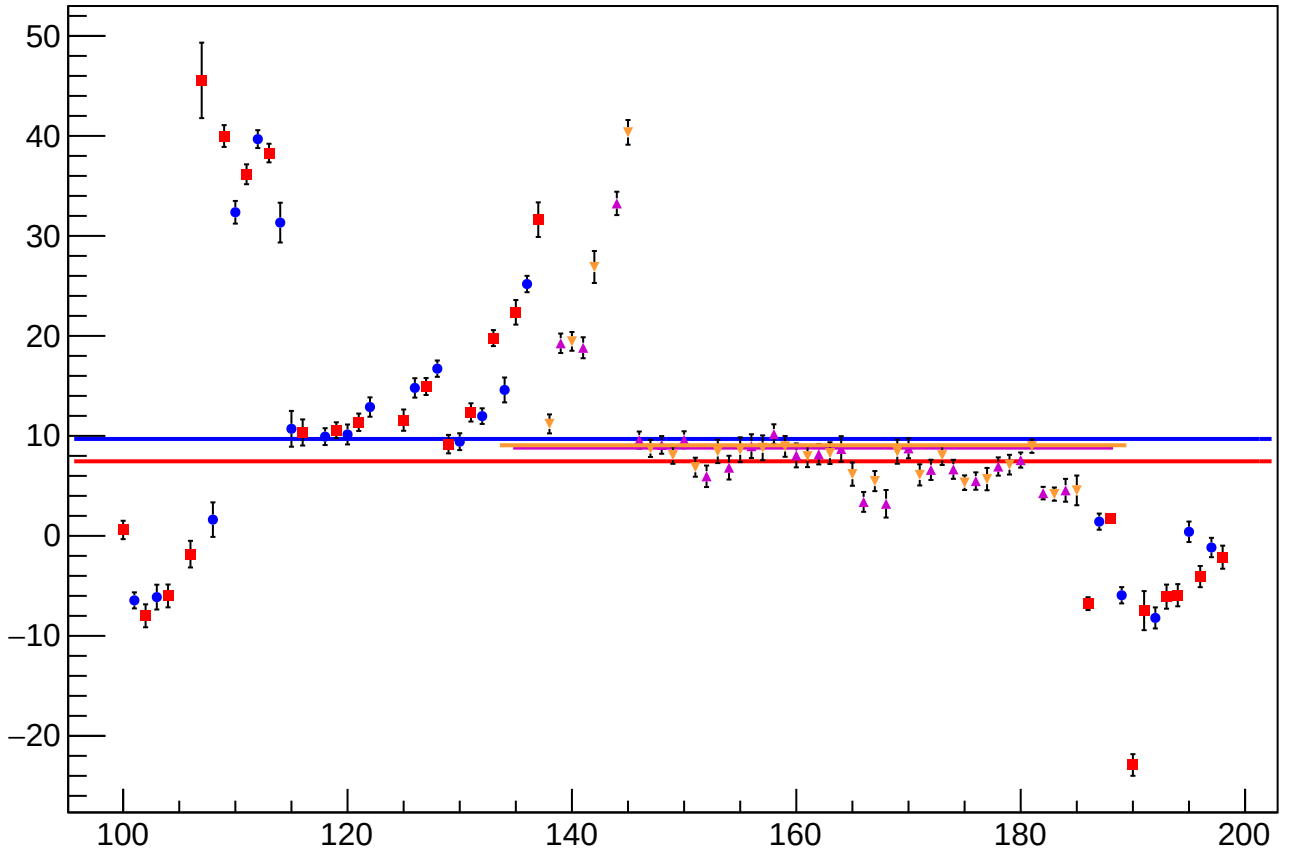
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

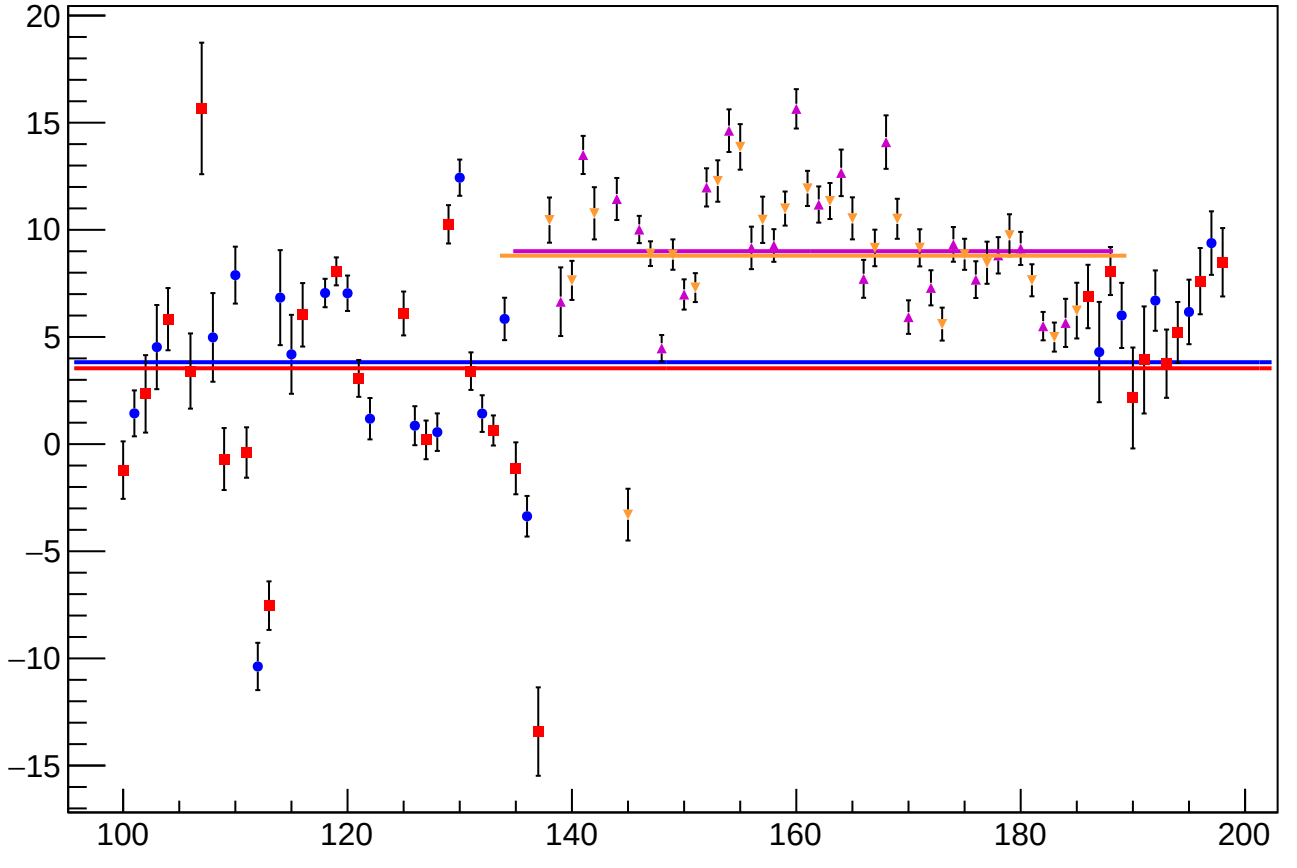
Right: 4.763+/-0.141 χ^2/NDF: 646.7/46

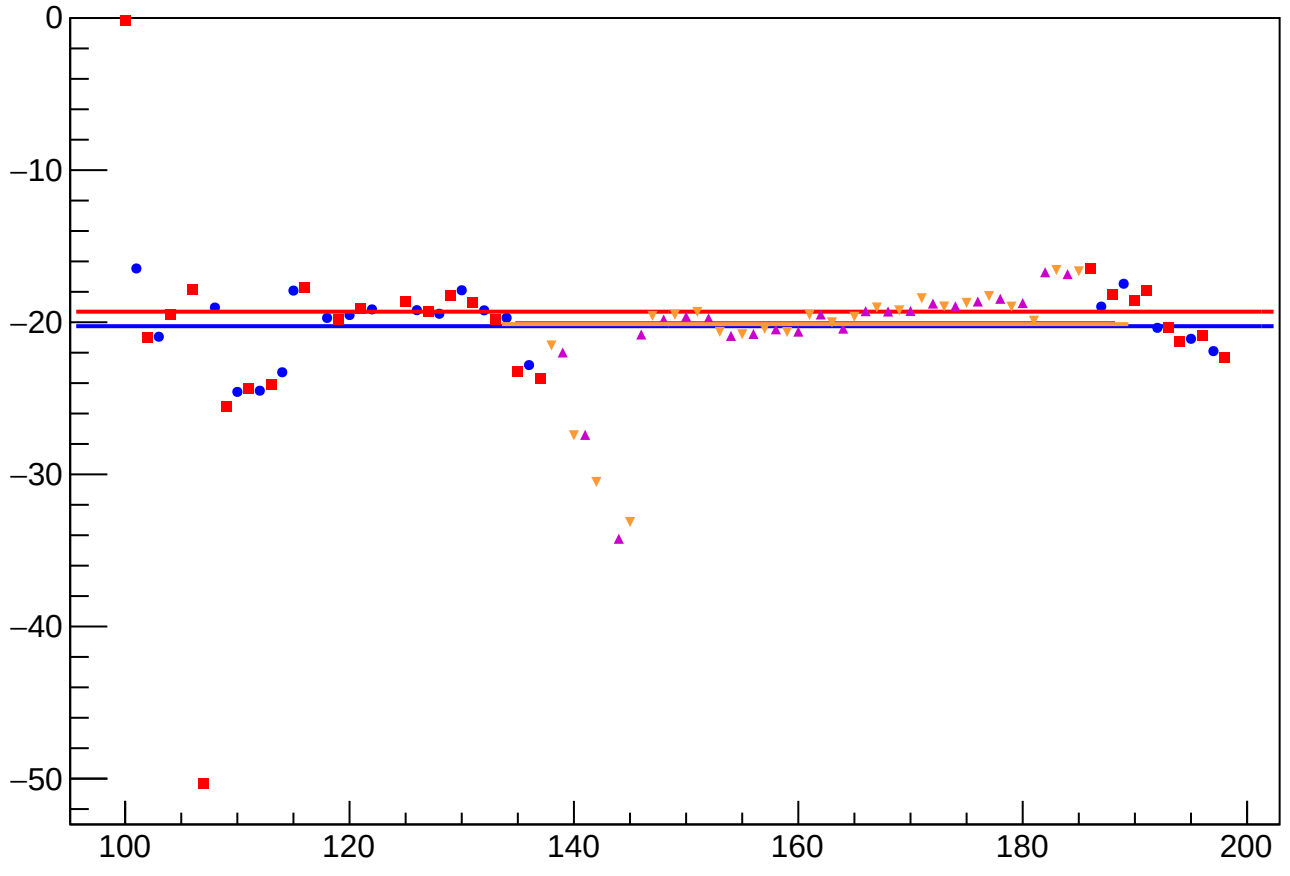
In: 2.808+/-0.124 χ^2/NDF:652.0/43

Out: 3.010+/-0.120 χ^2/NDF:811.0/49

All: 2.912+/-0.086 χ^2/NDF: 1464.4/93


reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: 9.695+/-0.212 χ²/NDF: 3697.6/20
Left Out: 9.061+/-0.201 χ²/NDF:1033.5/23
Right Out: 7.459+/-0.186 χ²/NDF: 6058.6/25
Left In: 8.826+/-0.202 χ²/NDF:801.4/22
Left: 8.944+/-0.142 χ²/NDF: 1835.6/46
Right: 8.436+/-0.140 χ²/NDF: 9819.1/46
In: 9.240+/-0.146 χ²/NDF:4507.9/43
Out: 8.200+/-0.137 χ²/NDF:7126.3/49
All: 8.685+/-0.100 χ²/NDF: 11661.2/93


reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
120
140
160
180
200
Right In: 3.822+/-0.239 χ²/NDF: 449.1/20
Left Out: 8.793+/-0.174 χ²/NDF:244.1/23
Right Out: 3.539+/-0.230 χ²/NDF: 413.3/25
Left In: 9.004+/-0.176 χ²/NDF:289.6/22
Left: 8.897+/-0.124 χ²/NDF: 534.4/46
Right: 3.675+/-0.166 χ²/NDF: 863.2/46
In: 7.183+/-0.142 χ²/NDF:1043.3/43
Out: 6.884+/-0.139 χ²/NDF:989.2/49
All: 7.030+/-0.099 χ²/NDF: 2034.7/93



Right In: -20.259+/-0.013 χ^2/NDF: 23751.0/20

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.304+/-0.012 χ^2/NDF: 245599.1/25

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

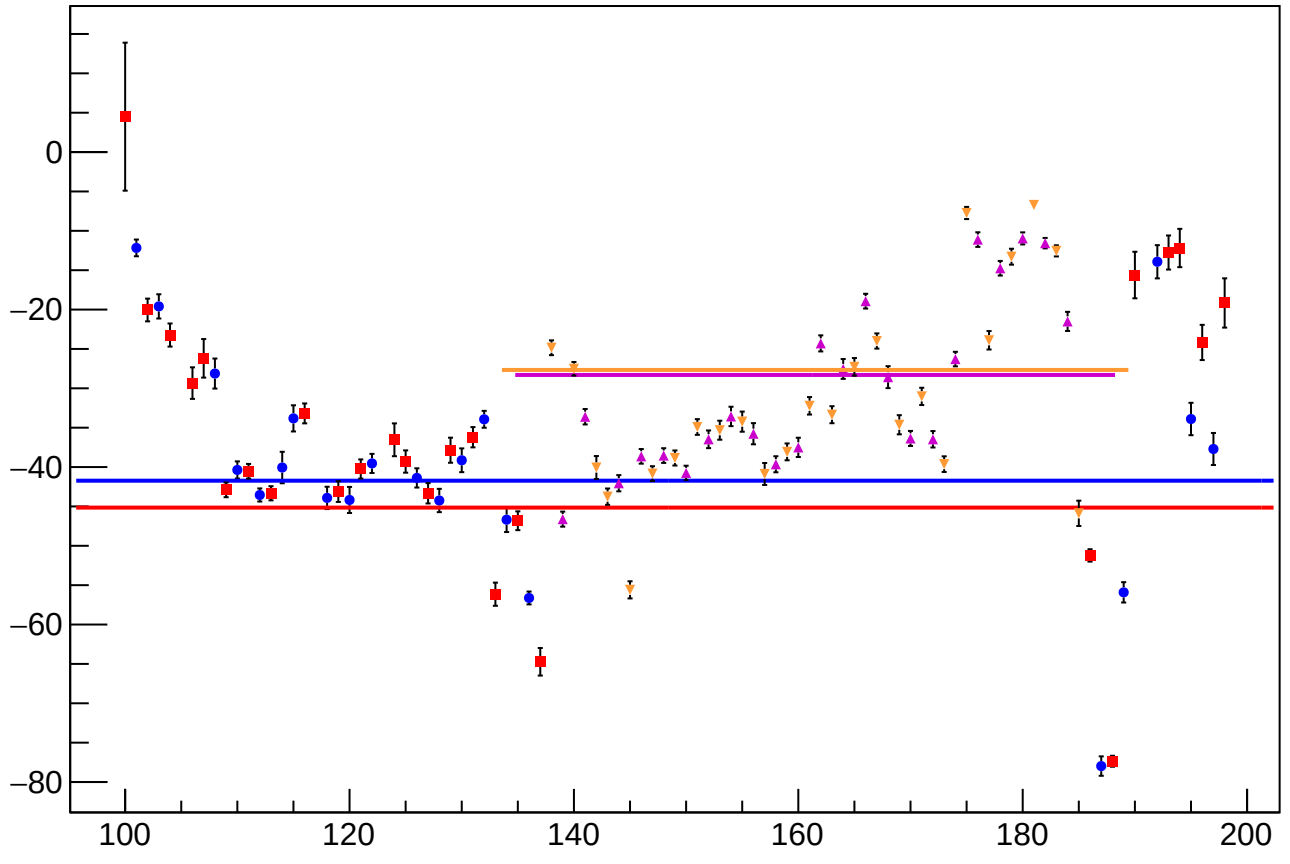
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.736+/-0.009 χ^2/NDF: 272184.6/46

In: -20.114+/-0.007 χ^2/NDF:156602.4/43

Out: -19.876+/-0.007 χ^2/NDF:407393.2/49

All: -19.992+/-0.005 χ^2/NDF: 564626.8/93



Right In: -41.732+/-0.285 χ^2/NDF: 2643.3/20

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -45.149+/-0.257 χ^2/NDF: 3973.6/25

Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

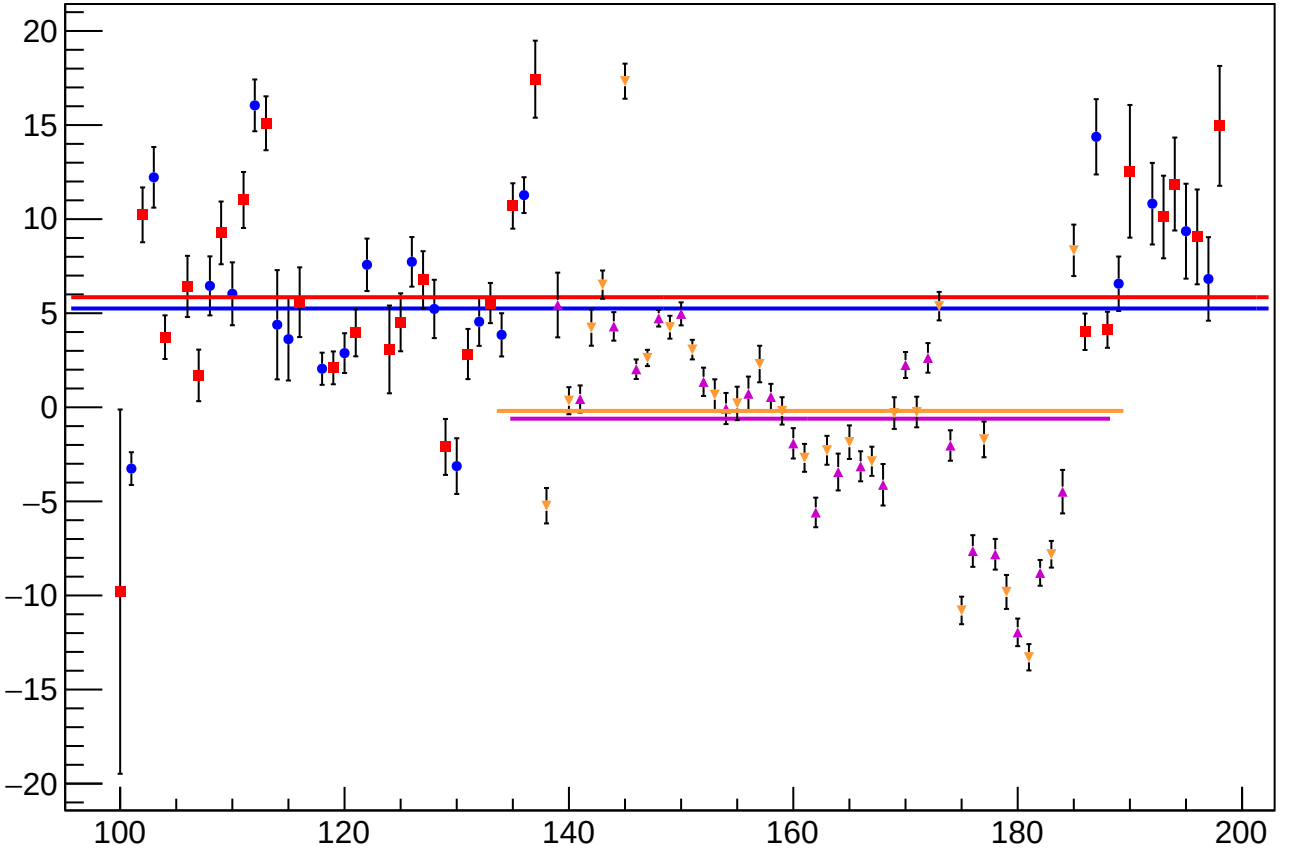
Right: -43.613+/-0.191 χ^2/NDF: 6696.1/46

In: -32.906+/-0.167 χ^2/NDF:7377.0/43

Out: -34.266+/-0.158 χ^2/NDF:11240.7/50

All: -33.622+/-0.115 χ^2/NDF: 18652.7/94

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.252+/-0.297 χ^2/NDF: 307.7/20

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 5.851+/-0.284 χ^2/NDF: 217.6/25

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

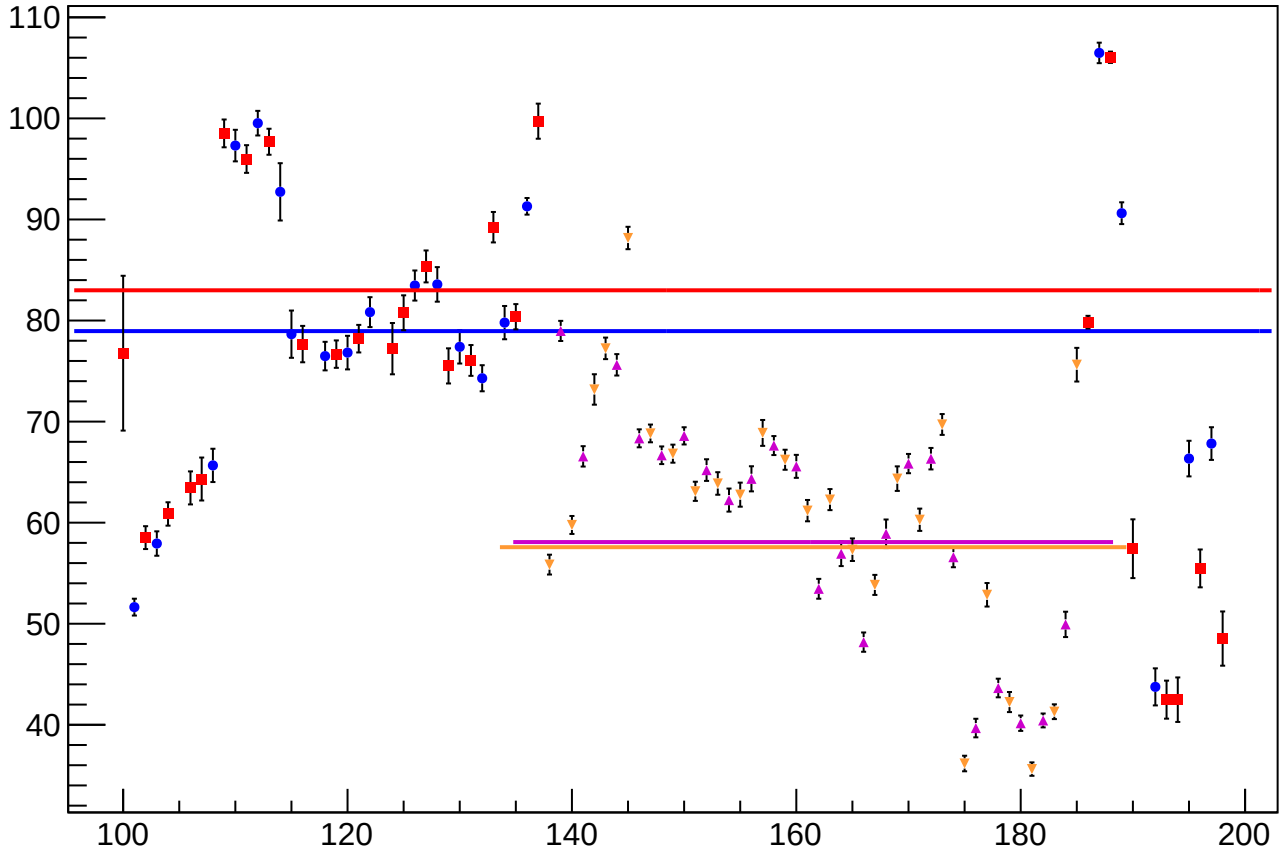
Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

Right: 5.565+/-0.205 χ^2/NDF: 527.4/46

In: 0.649+/-0.138 χ^2/NDF:1587.5/43

Out: 1.127+/-0.133 χ^2/NDF:2116.7/50

All: 0.897+/-0.095 χ^2/NDF: 3710.4/94



Right In: 78.954+/-0.293 χ^2/NDF: 3473.8/20

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 82.992+/-0.258 χ^2/NDF: 4597.0/25

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

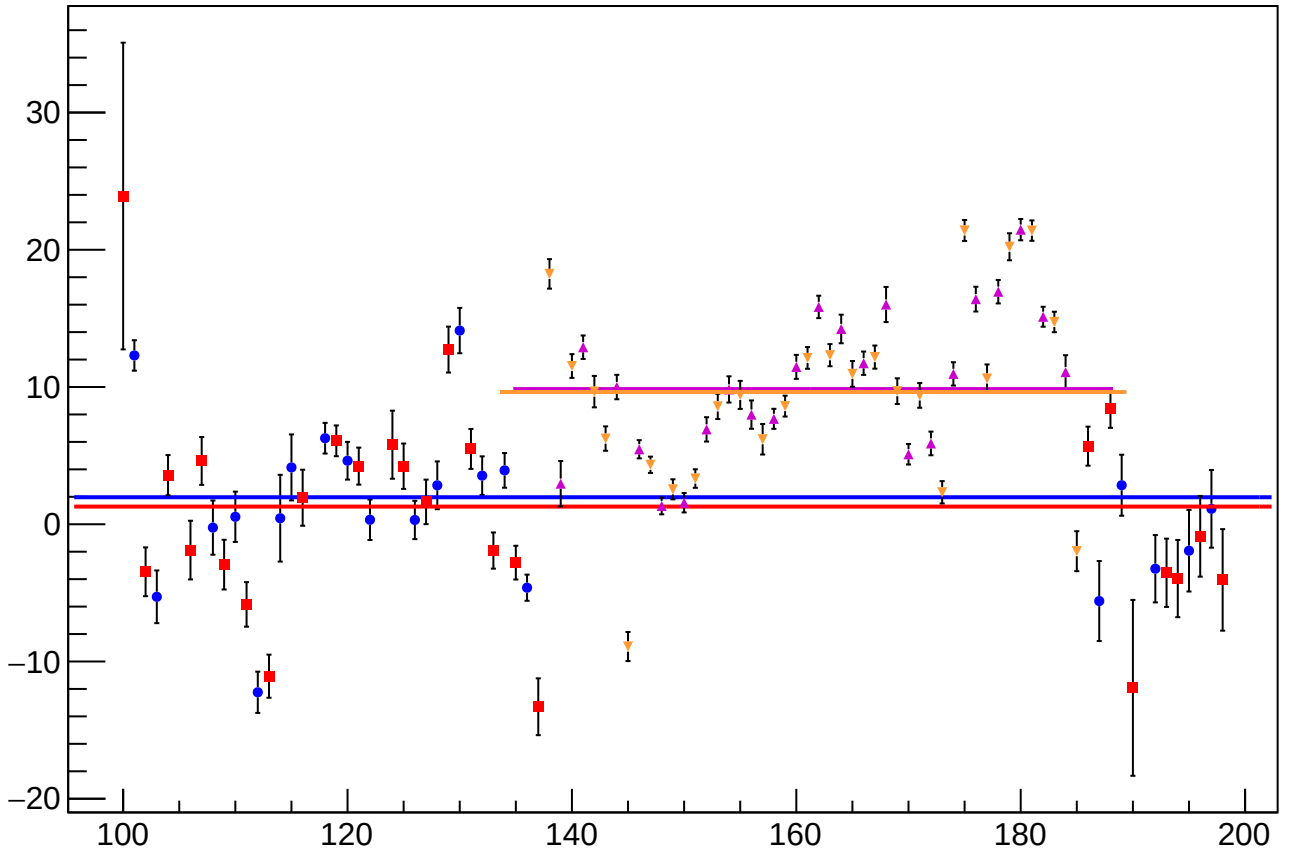
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

Right: 81.229+/-0.194 χ^2/NDF: 8177.8/46

In: 64.871+/-0.167 χ^2/NDF:10456.6/43

Out: 67.058+/-0.158 χ^2/NDF:15372.2/50

All: 66.029+/-0.115 χ^2/NDF: 25919.6/94



Right In: 1.968+/-0.347 χ^2/NDF: 333.4/20

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 1.287+/-0.339 χ^2/NDF: 306.1/25

Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

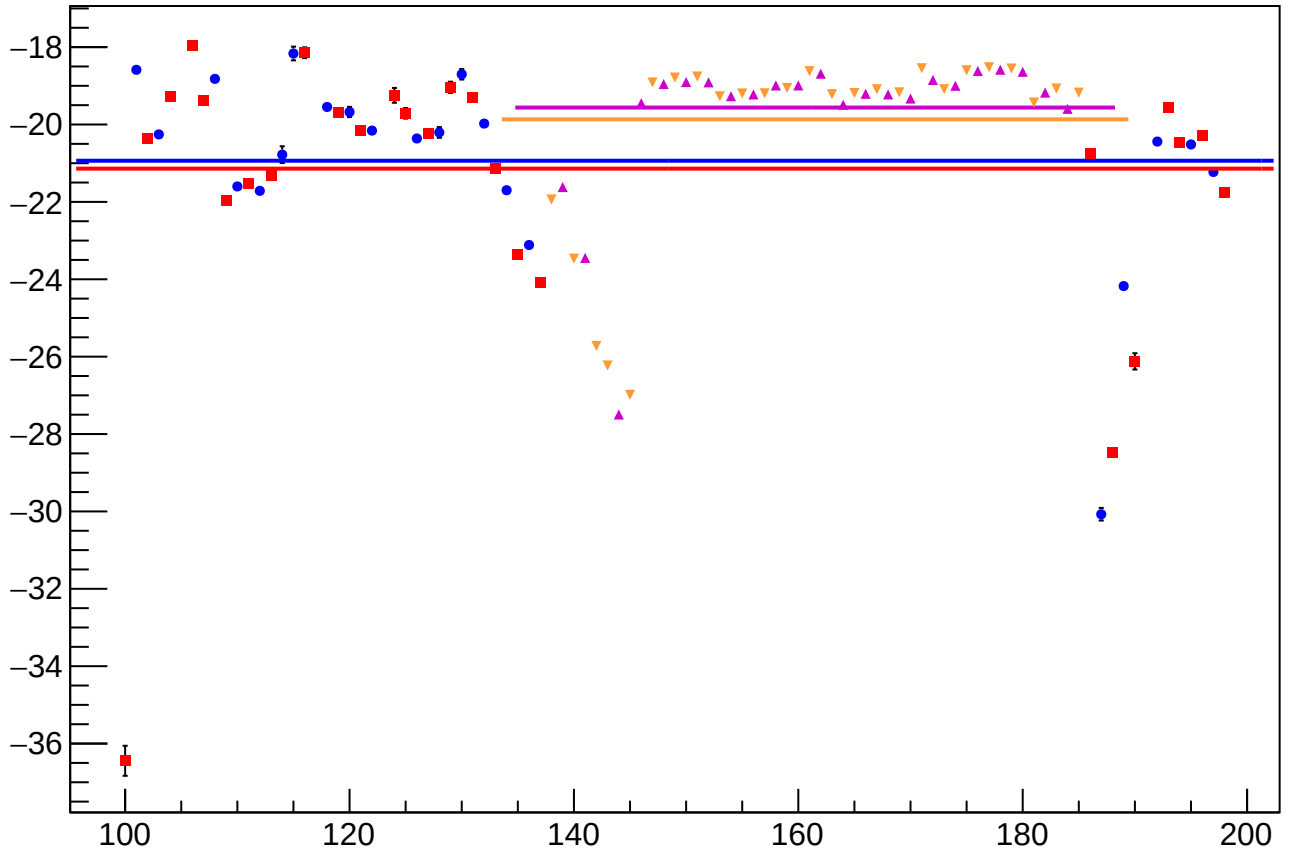
Left: 9.740+/-0.123 χ^2/NDF: 2485.2/47

Right: 1.620+/-0.242 χ^2/NDF: 641.5/46

In: 8.231+/-0.157 χ^2/NDF:1736.6/43

Out: 7.936+/-0.153 χ^2/NDF:2280.7/50

All: 8.080+/-0.110 χ^2/NDF: 4019.1/94



Right In: -20.936+/-0.018 χ^2/NDF: 11915.4/20

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -21.141+/-0.018 χ^2/NDF: 19943.2/25

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

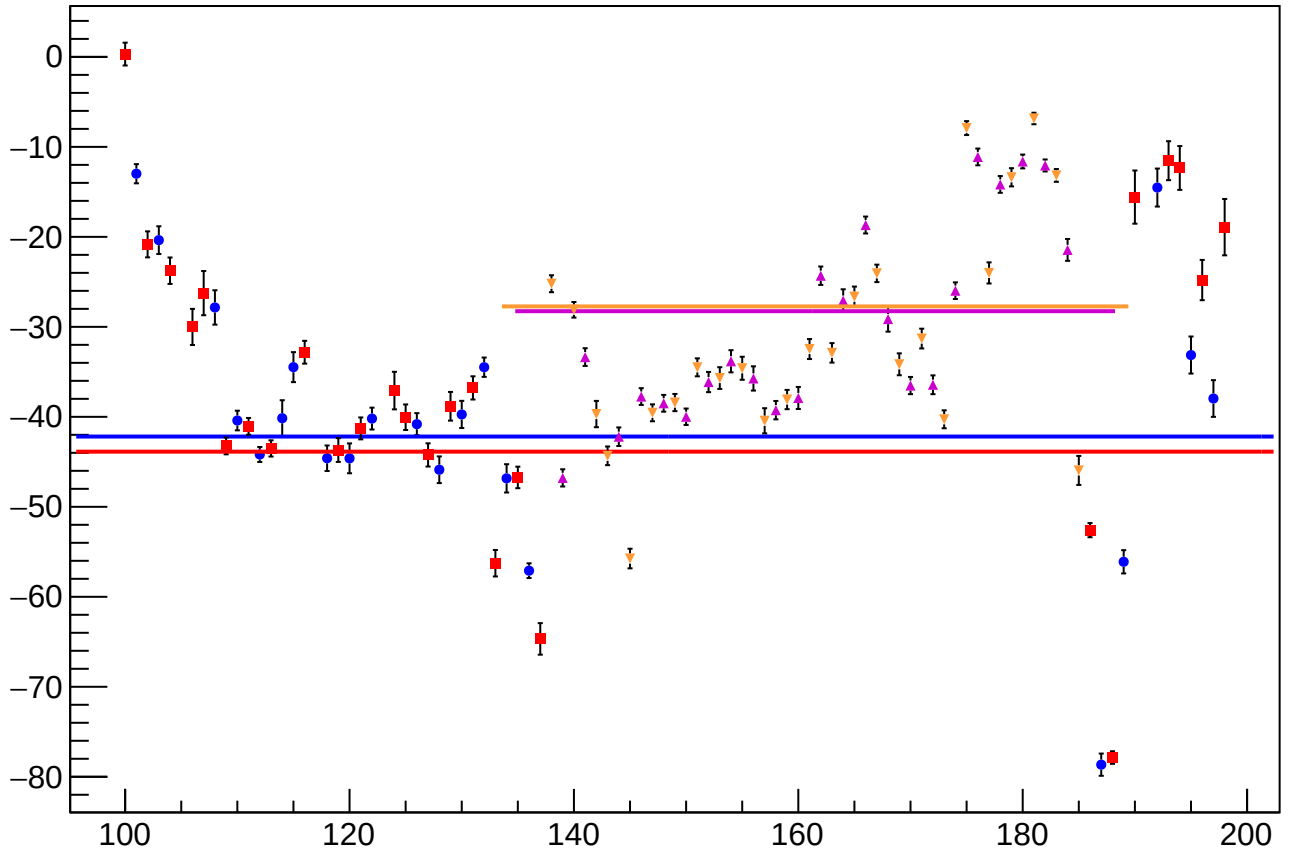
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

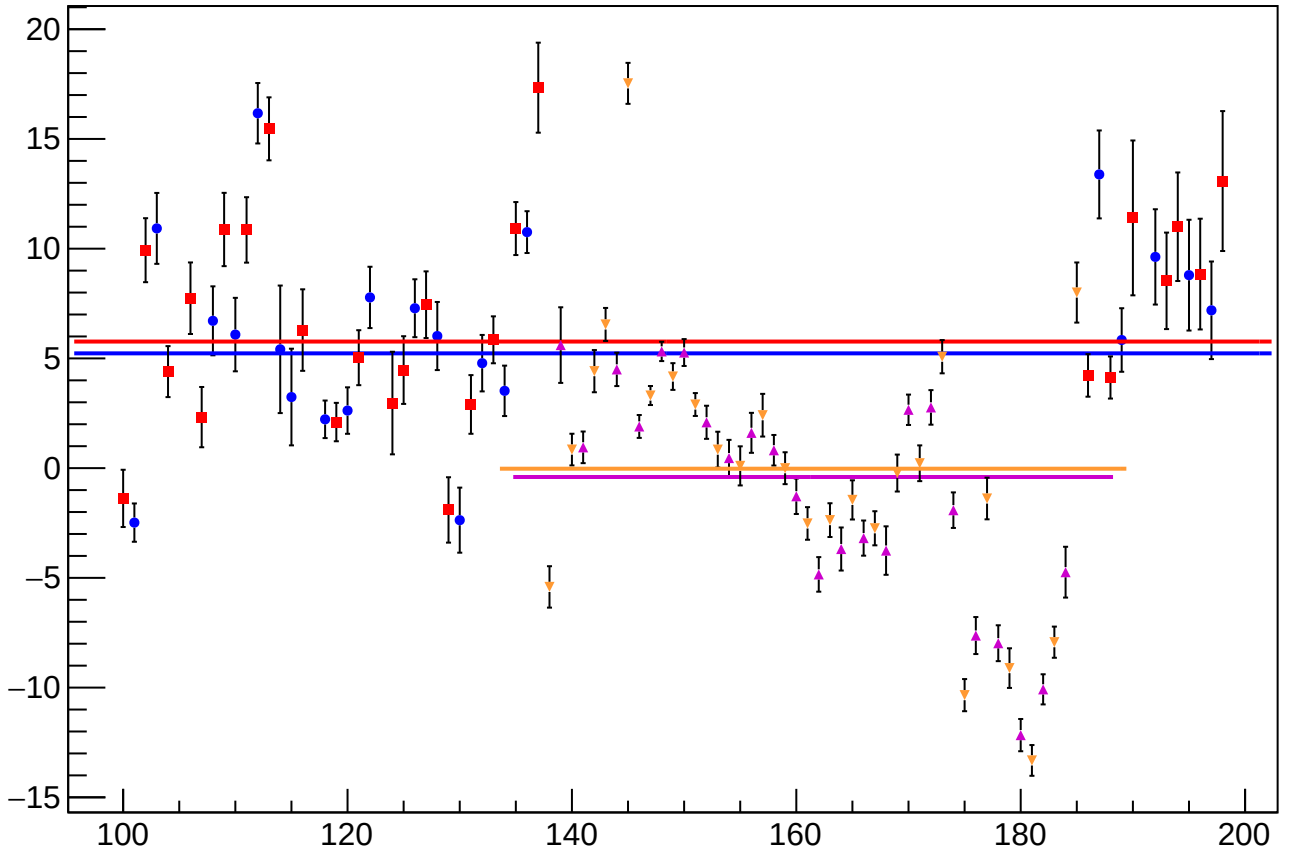
Right: -21.040+/-0.012 χ^2/NDF: 31926.0/46

In: -19.791+/-0.007 χ^2/NDF:62066.8/43

Out: -20.080+/-0.007 χ^2/NDF:103240.1/50

All: -19.937+/-0.005 χ^2/NDF: 166106.7/94


reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
−80
100
120
140
160
180
200
Right In: -42.189+/-0.285 χ²/NDF: 2630.7/20
Left Out: -27.729+/-0.201 χ²/NDF:4299.7/24
Right Out: -43.870+/-0.253 χ²/NDF: 5243.0/25
Left In: -28.260+/-0.206 χ²/NDF:3172.7/22
Left: -27.988+/-0.144 χ²/NDF: 7475.8/47
Right: -43.131+/-0.189 χ²/NDF: 7893.1/46
In: -33.039+/-0.167 χ²/NDF:7369.3/43
Out: -33.973+/-0.157 χ²/NDF:12043.3/50
All: -33.534+/-0.114 χ²/NDF: 19429.3/94



Right In: 5.230+/-0.298 χ^2/NDF: 265.9/20

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.768+/-0.278 χ^2/NDF: 237.2/25

Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

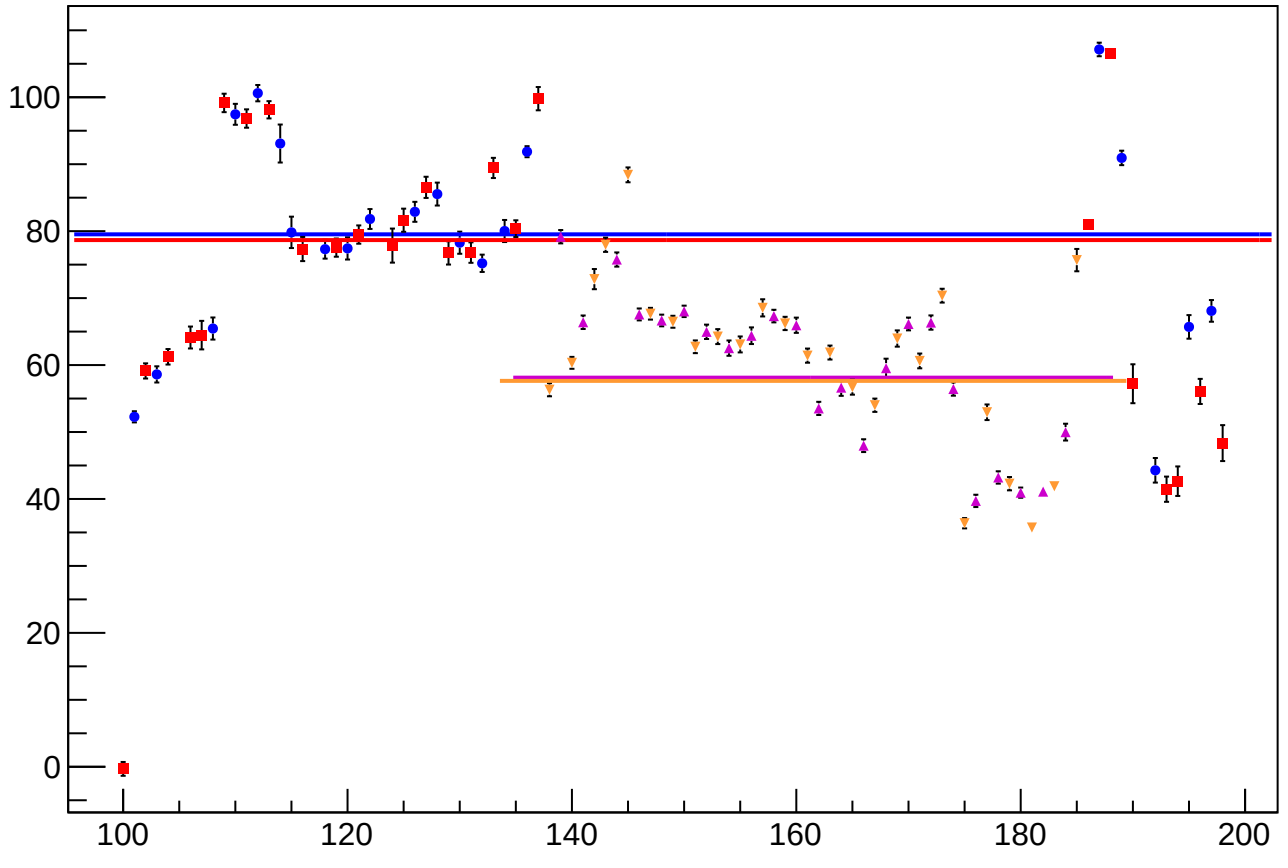
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 5.517+/-0.203 χ^2/NDF: 504.9/46

In: 0.803+/-0.138 χ^2/NDF:1631.4/43

Out: 1.284+/-0.132 χ^2/NDF:2105.0/50

All: 1.054+/-0.095 χ^2/NDF: 3742.8/94



Right In: 79.526+/-0.293 χ^2/NDF: 3484.0/20

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 78.668+/-0.251 χ^2/NDF: 10823.7/25

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

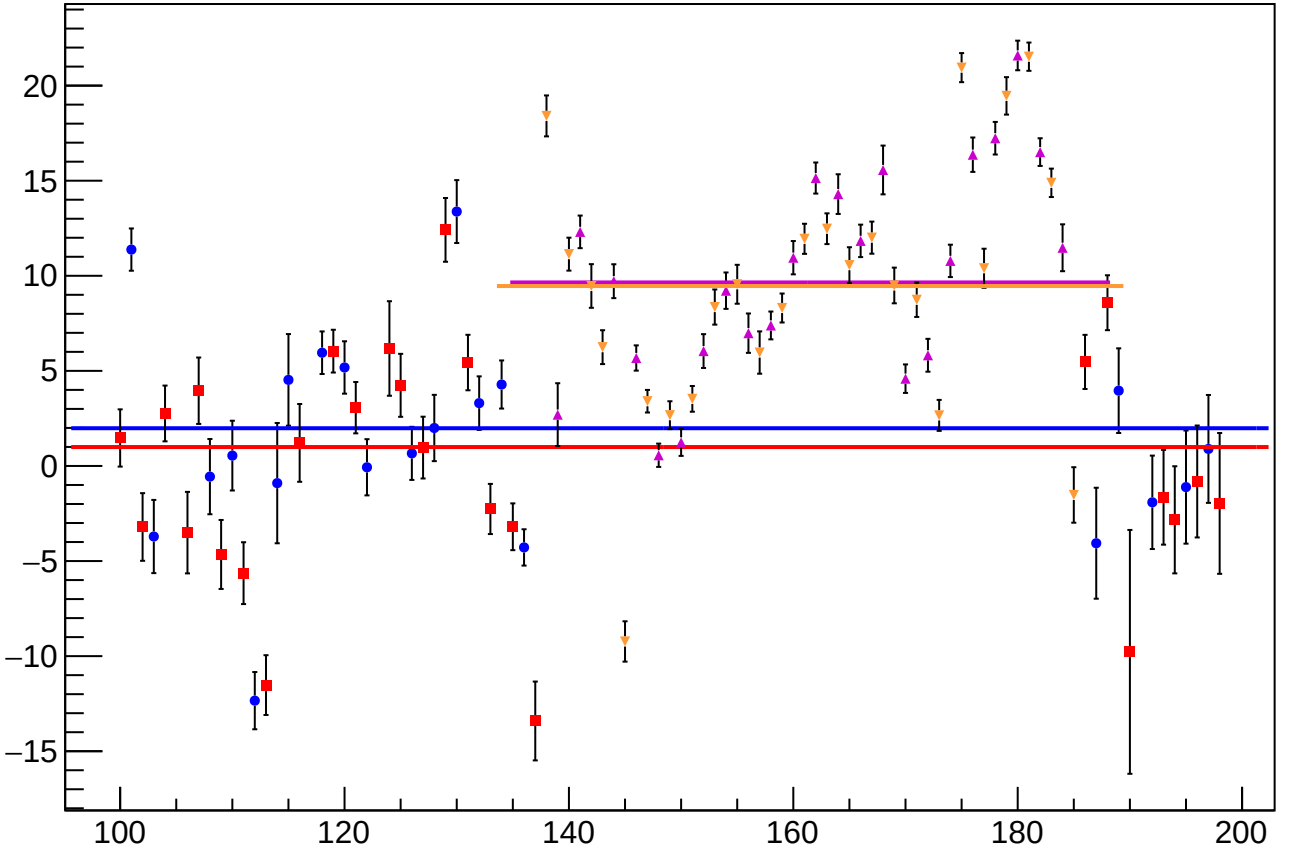
Right: 79.030+/-0.191 χ^2/NDF: 14312.6/46

In: 65.086+/-0.167 χ^2/NDF:10518.1/43

Out: 65.781+/-0.156 χ^2/NDF:19749.0/50

All: 65.458+/-0.114 χ^2/NDF: 30276.3/94

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 1.984+/-0.347 χ^2/NDF: 299.4/20

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.995+/-0.331 χ^2/NDF: 300.8/25

Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

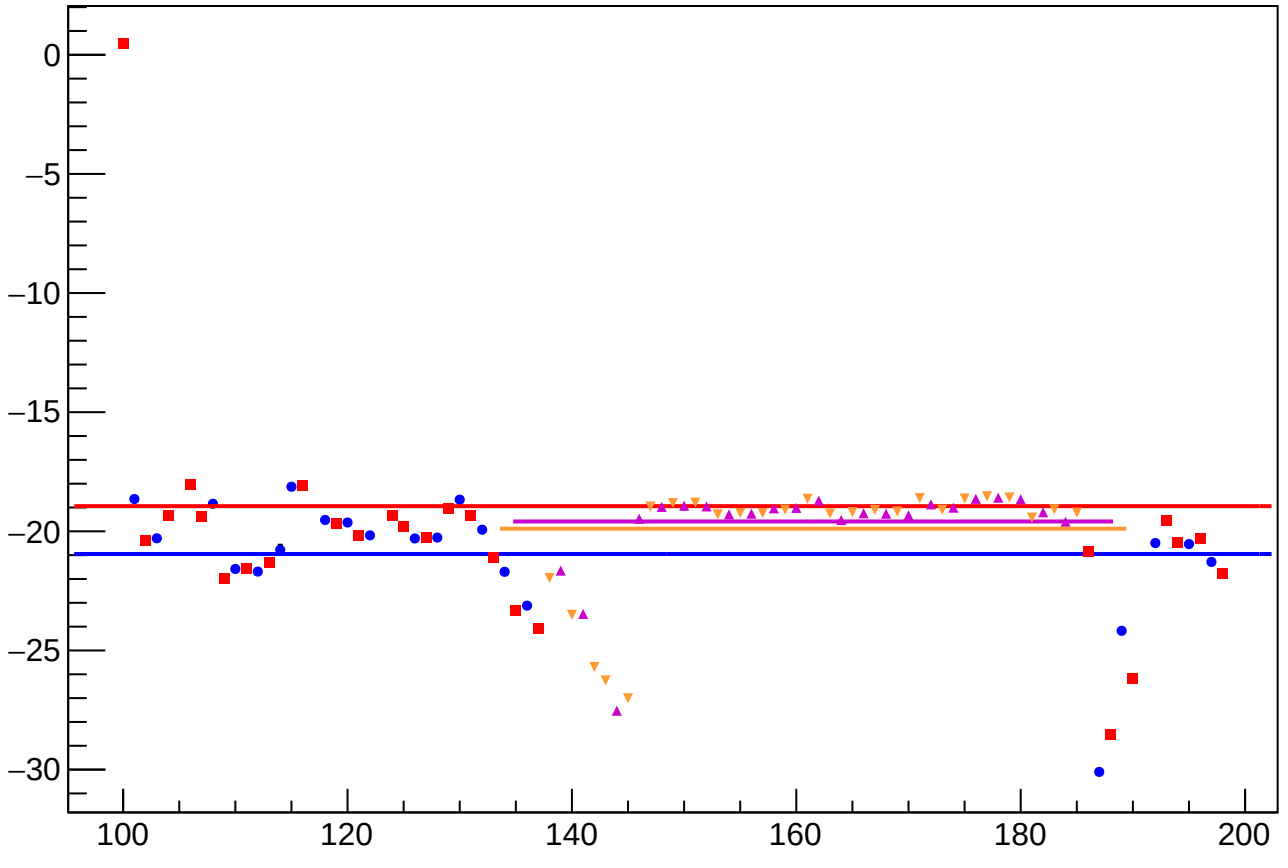
Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

Right: 1.466+/-0.240 χ^2/NDF: 604.5/46

In: 8.076+/-0.157 χ^2/NDF:1764.9/43

Out: 7.670+/-0.152 χ^2/NDF:2298.6/50

All: 7.866+/-0.110 χ^2/NDF: 4066.9/94



Right In: -20.951+/-0.018 χ^2/NDF: 11783.0/20

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -18.943+/-0.017 χ^2/NDF: 171251.7/25

Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

Left: -19.739+/-0.006 χ^2/NDF: 124326.8/47

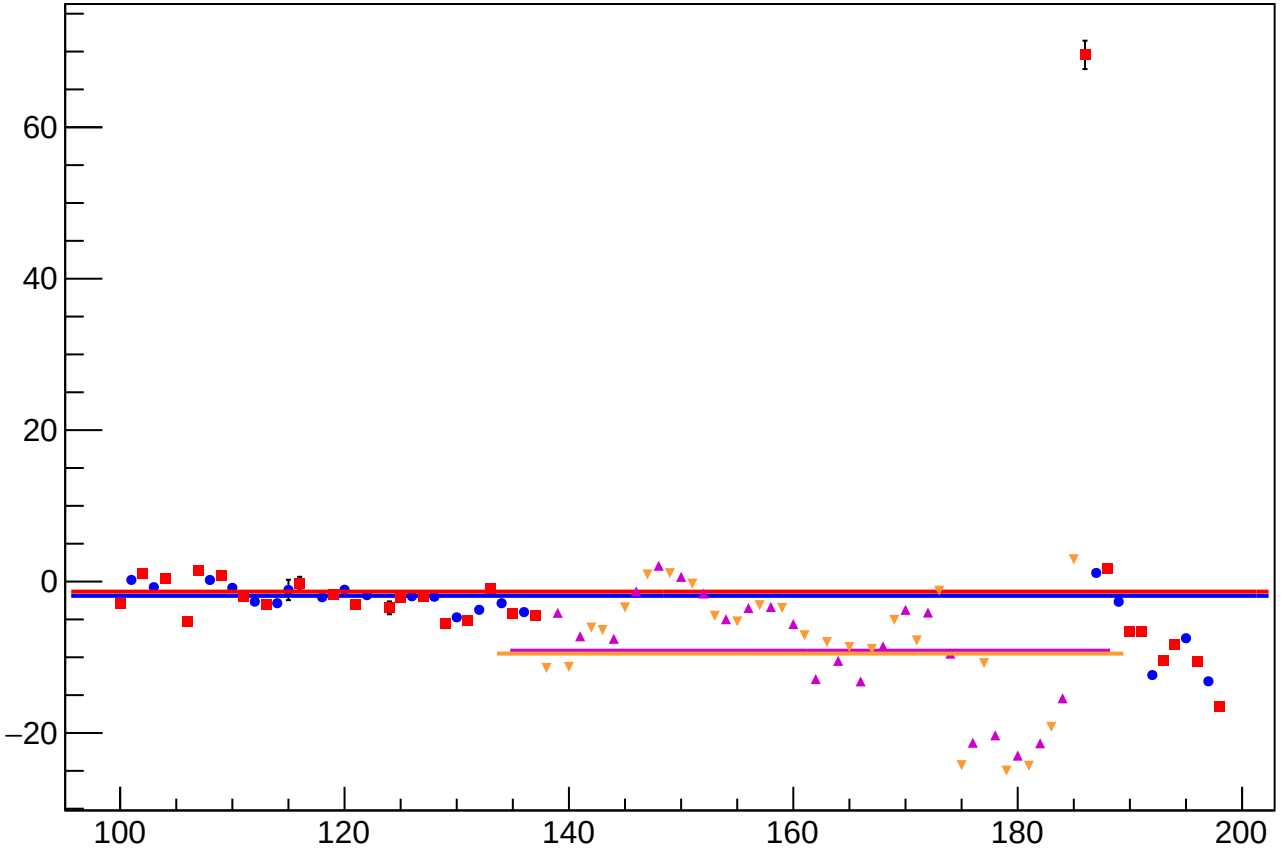
Right: -19.881+/-0.012 χ^2/NDF: 189821.1/46

In: -19.814+/-0.007 χ^2/NDF:61767.9/43

Out: -19.716+/-0.007 χ^2/NDF:252398.4/50

All: -19.764+/-0.005 χ^2/NDF: 314259.3/94

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.886+/-0.052 χ^2/NDF: 2835.3/20

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -1.330+/-0.047 χ^2/NDF: 6196.9/26

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

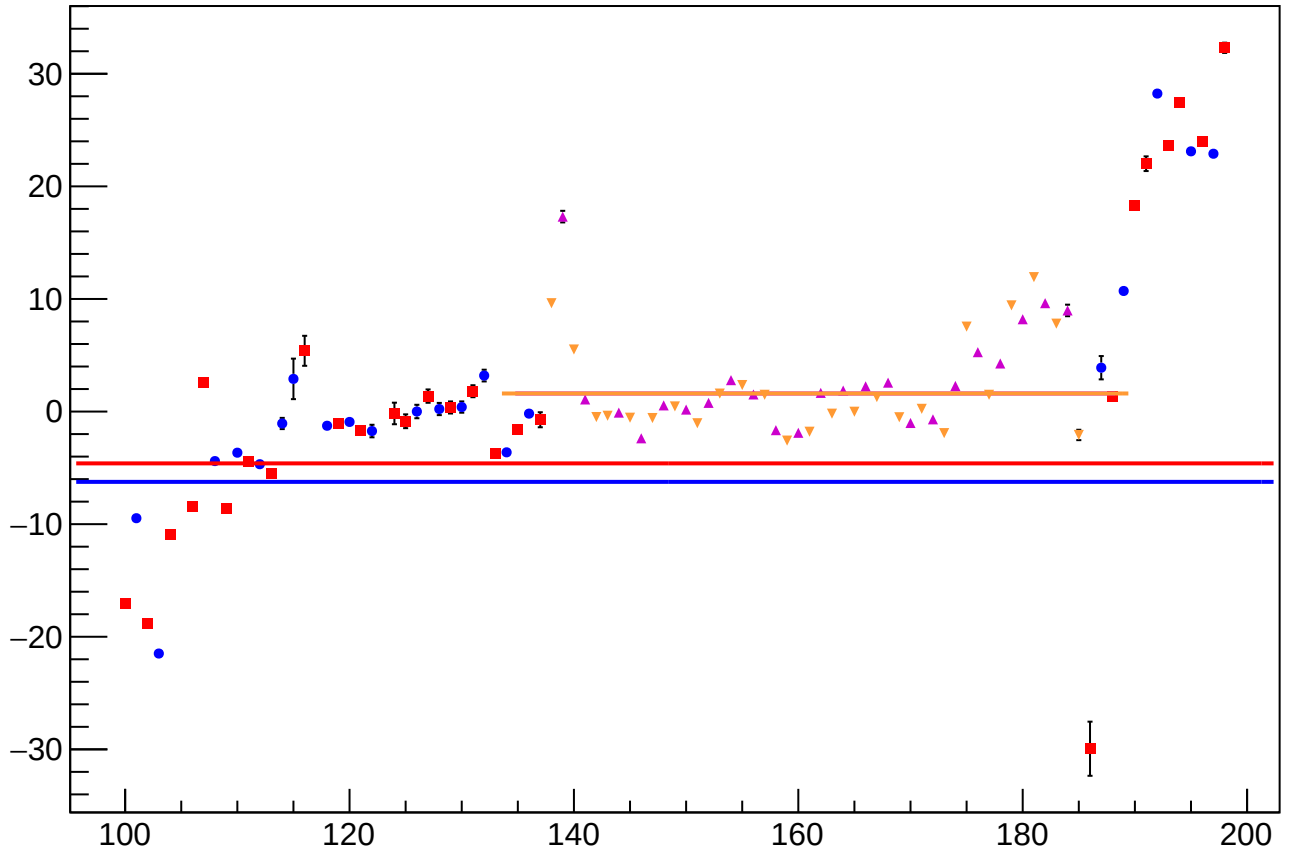
Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

Right: -1.580+/-0.035 χ^2/NDF: 9095.2/47

In: -4.250+/-0.043 χ^2/NDF:19549.9/43

Out: -3.747+/-0.039 χ^2/NDF:28054.2/51

All: -3.979+/-0.029 χ^2/NDF: 47679.1/95



Right In: -6.244+/-0.055 χ^2/NDF: 37012.9/20

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -4.602+/-0.053 χ^2/NDF: 47451.1/26

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

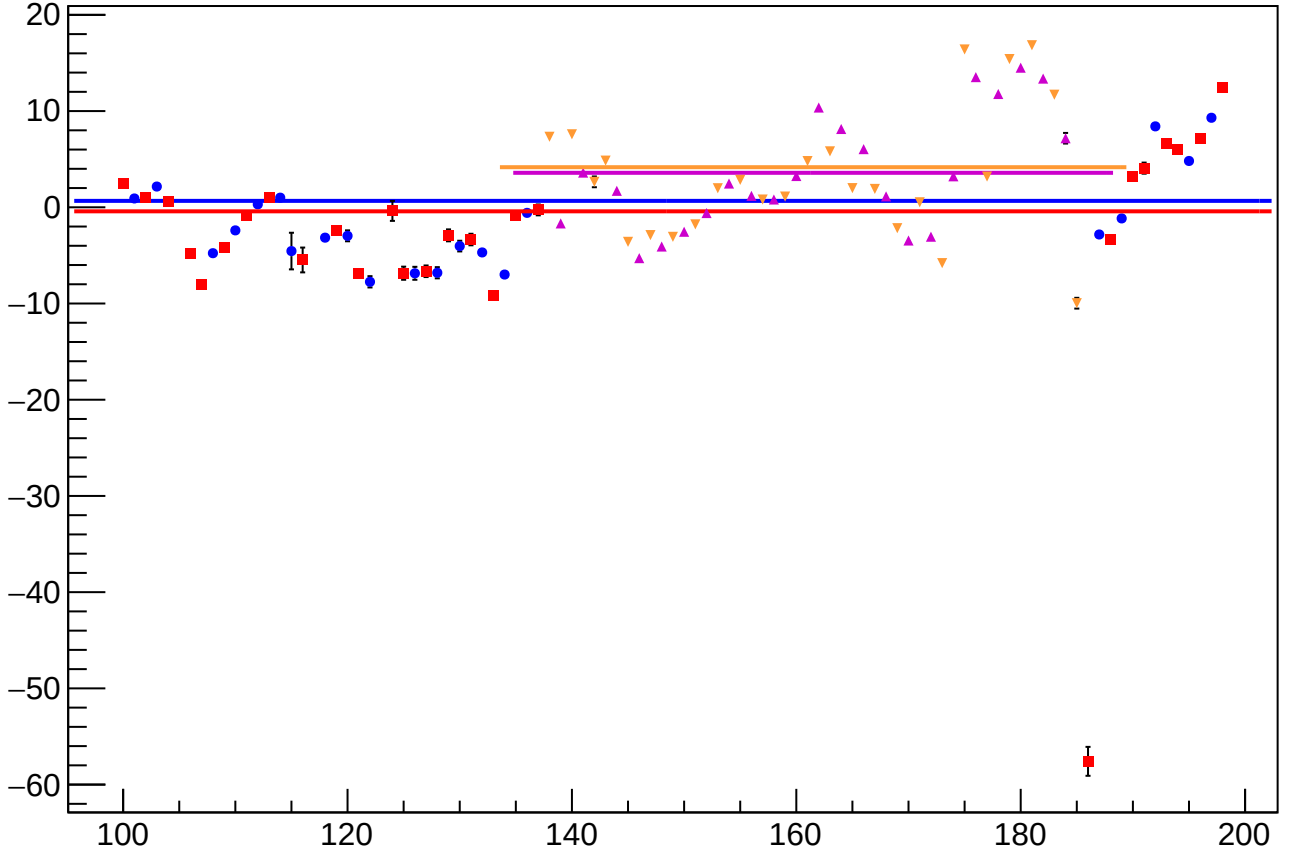
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -5.406+/-0.038 χ^2/NDF: 84925.8/47

In: -2.537+/-0.040 χ^2/NDF:50441.6/43

Out: -1.595+/-0.038 χ^2/NDF:58656.0/51

All: -2.051+/-0.028 χ^2/NDF: 109388.4/95



Right In: 0.667+/-0.050 χ^2/NDF: 3766.0/20

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.419+/-0.048 χ^2/NDF: 7615.1/26

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

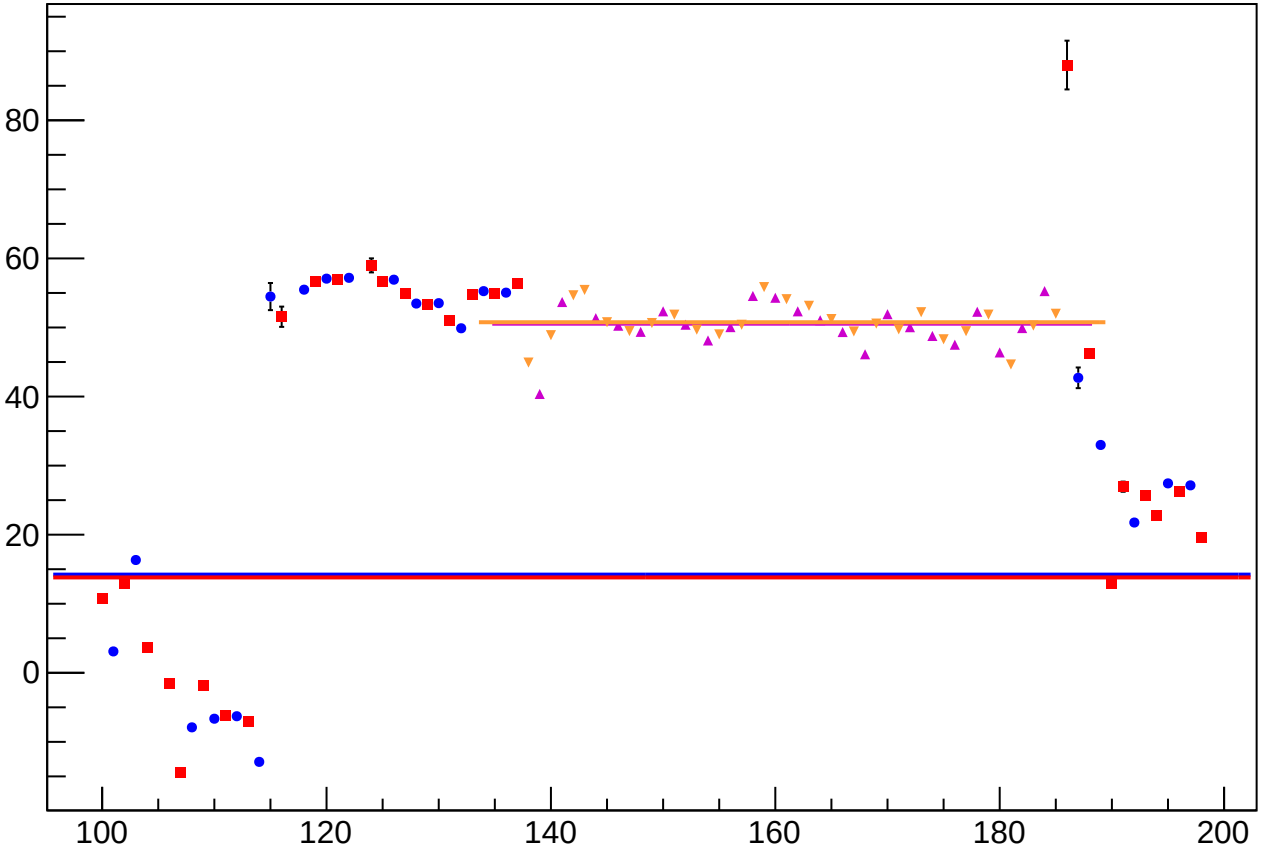
Right: 0.098+/-0.034 χ^2/NDF: 11629.0/47

In: 1.582+/-0.041 χ^2/NDF:12062.2/43

Out: 0.973+/-0.040 χ^2/NDF:19679.0/51

All: 1.265+/-0.029 χ^2/NDF: 31853.8/95

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.216+/-0.065 χ^2/NDF: 112160.5/20

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 13.810+/-0.064 χ^2/NDF: 128784.4/26

Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

Left: 50.659+/-0.045 χ^2/NDF: 3471.7/47

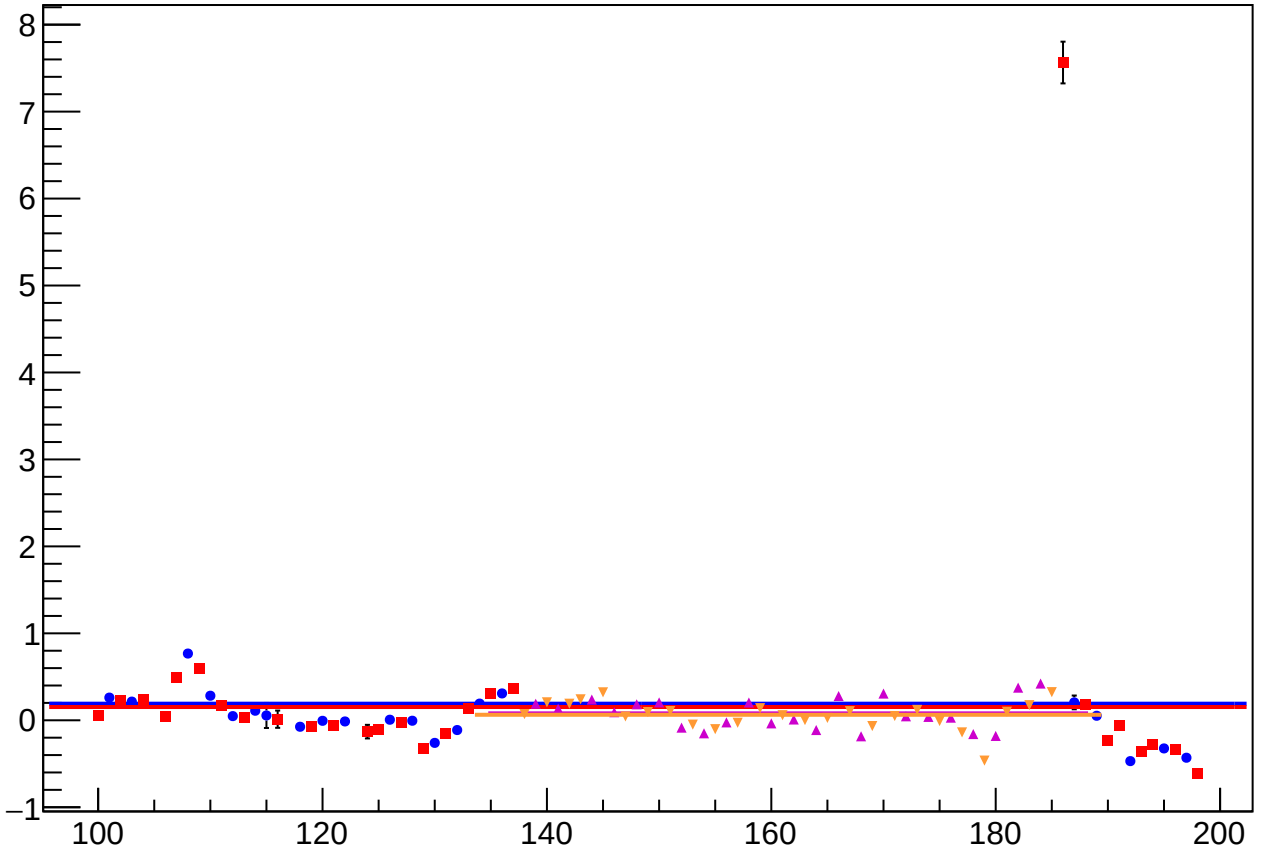
Right: 14.008+/-0.046 χ^2/NDF: 240964.7/47

In: 32.511+/-0.046 χ^2/NDF:270116.3/43

Out: 32.658+/-0.045 χ^2/NDF:302118.6/51

All: 32.587+/-0.032 χ^2/NDF: 572240.1/95

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.191+/-0.003 χ^2/NDF: 10285.8/20

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.153+/-0.002 χ^2/NDF: 10688.1/26

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

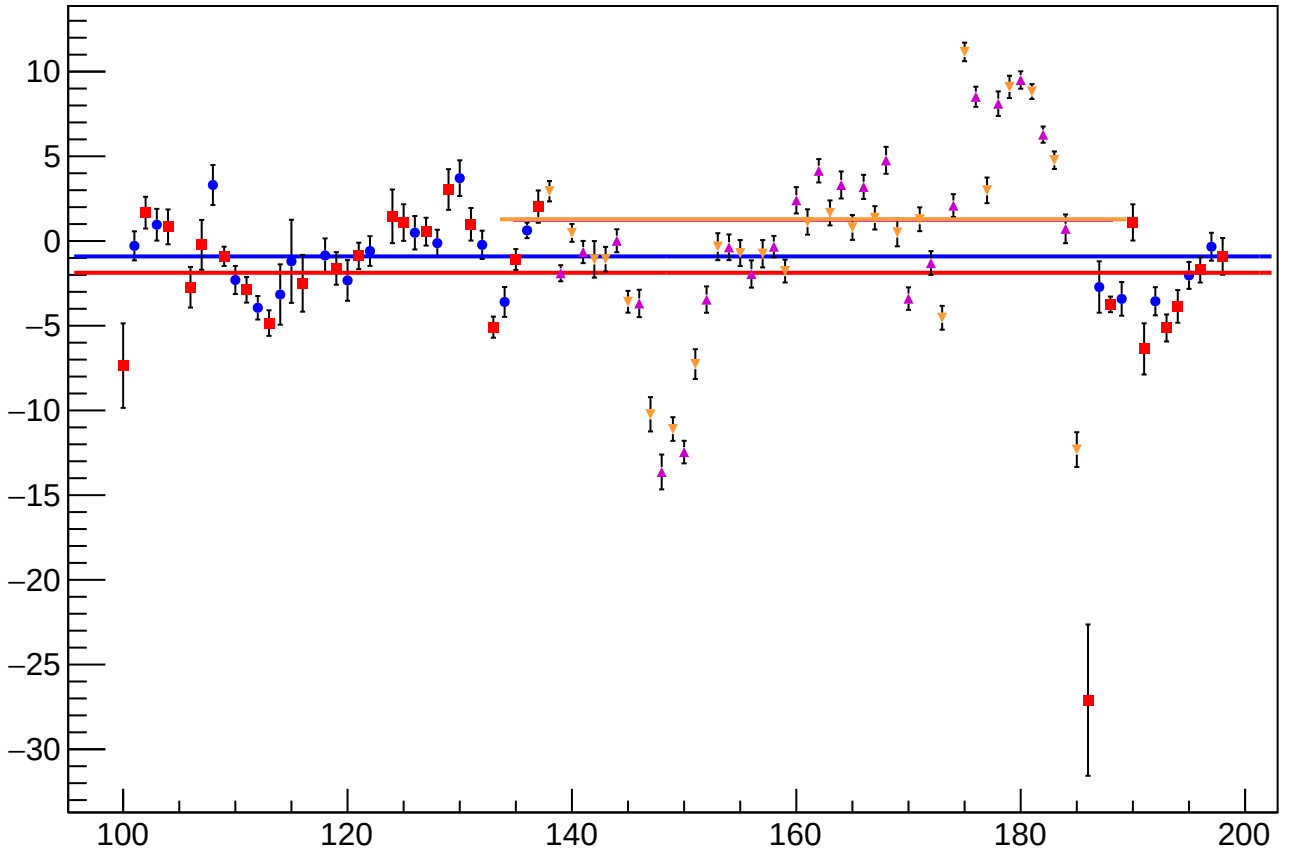
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.171+/-0.002 χ^2/NDF: 21086.2/47

In: 0.140+/-0.002 χ^2/NDF:14569.0/43

Out: 0.113+/-0.002 χ^2/NDF:13823.7/51

All: 0.126+/-0.001 χ^2/NDF: 28492.8/95



Right In: -0.908+/-0.192 χ^2/NDF: 106.3/20

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.874+/-0.168 χ^2/NDF: 227.9/26

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

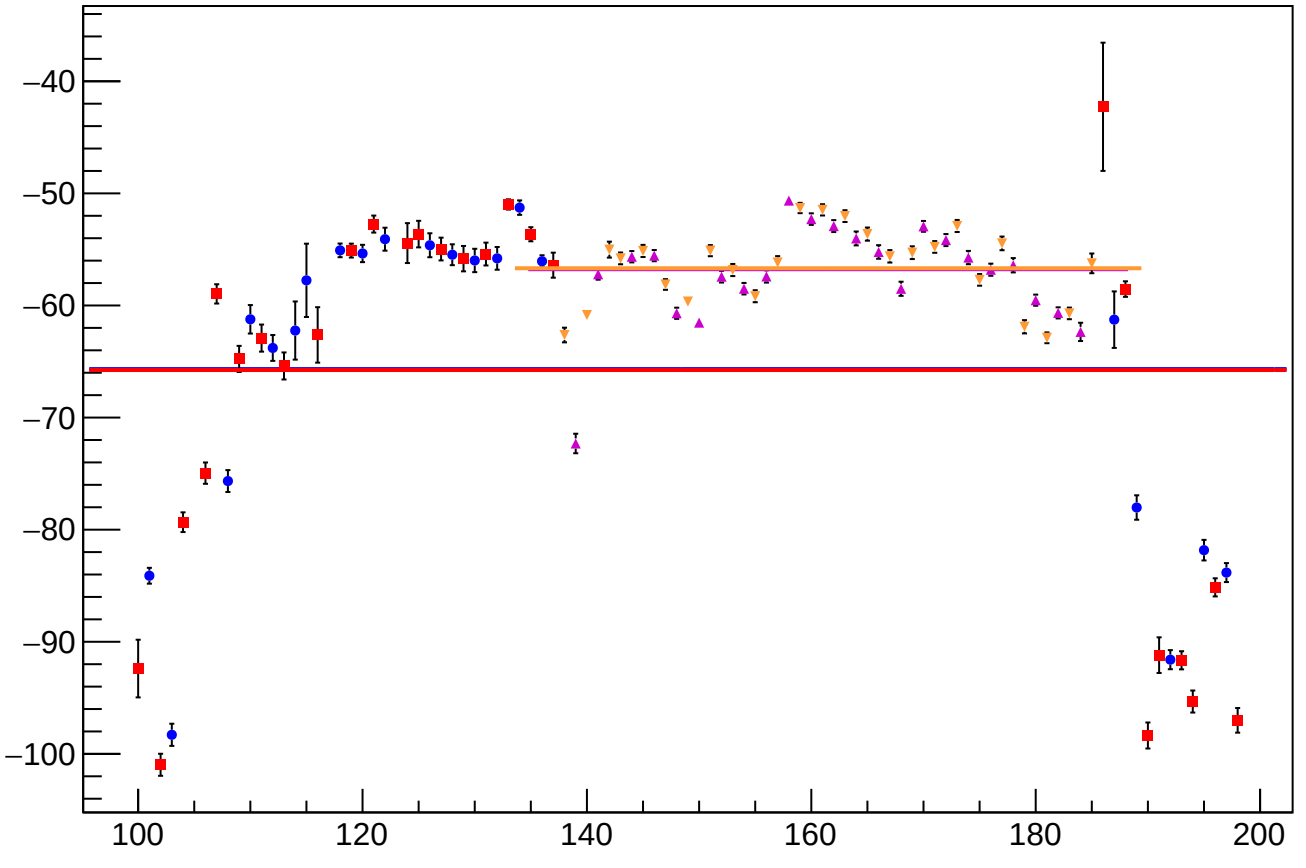
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.454+/-0.127 χ^2/NDF: 348.5/47

In: 0.495+/-0.113 χ^2/NDF:1700.8/43

Out: 0.026+/-0.106 χ^2/NDF:2155.0/51

All: 0.245+/-0.078 χ^2/NDF: 3865.0/95



Right In: -65.678+/-0.197 χ^2/NDF: 5564.7/20

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -65.759+/-0.178 χ^2/NDF: 8792.6/26

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

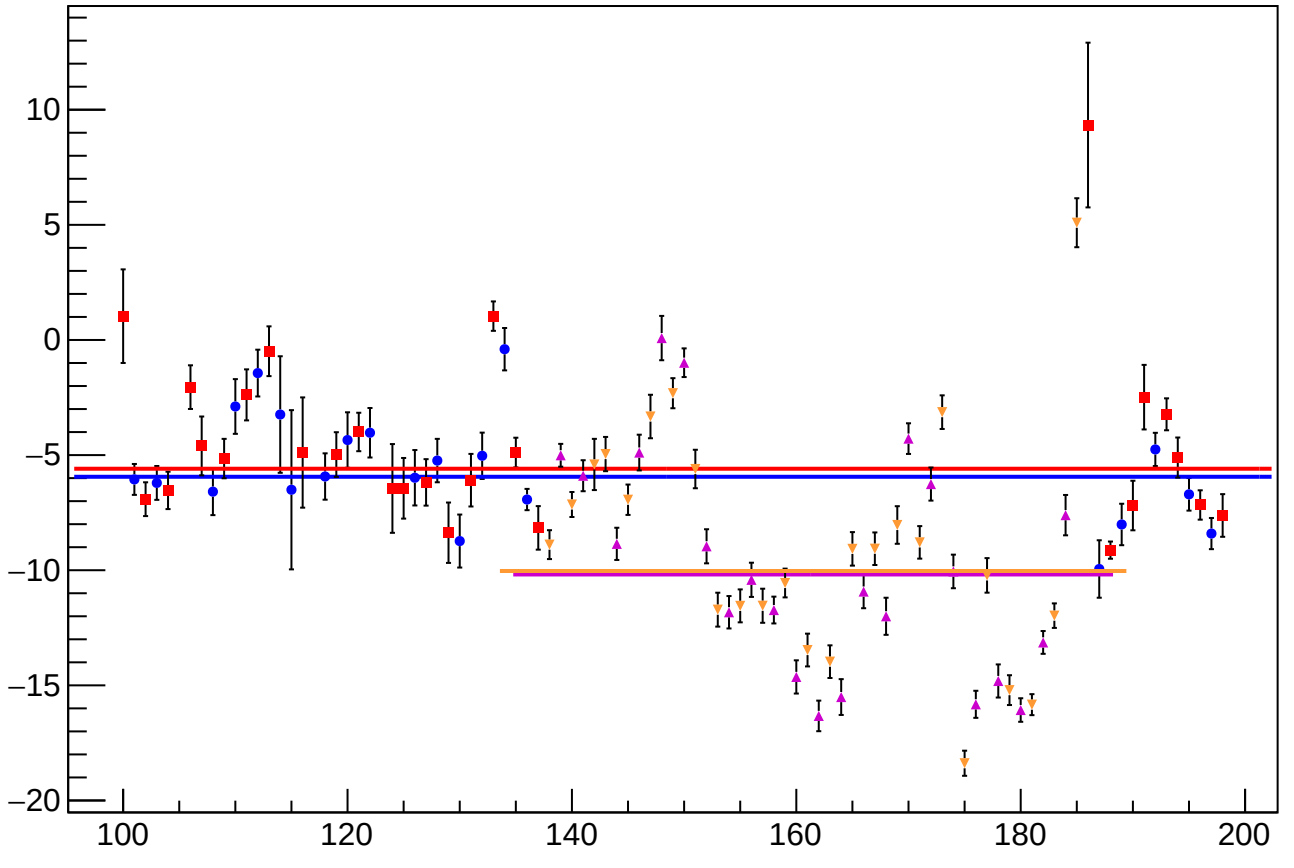
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

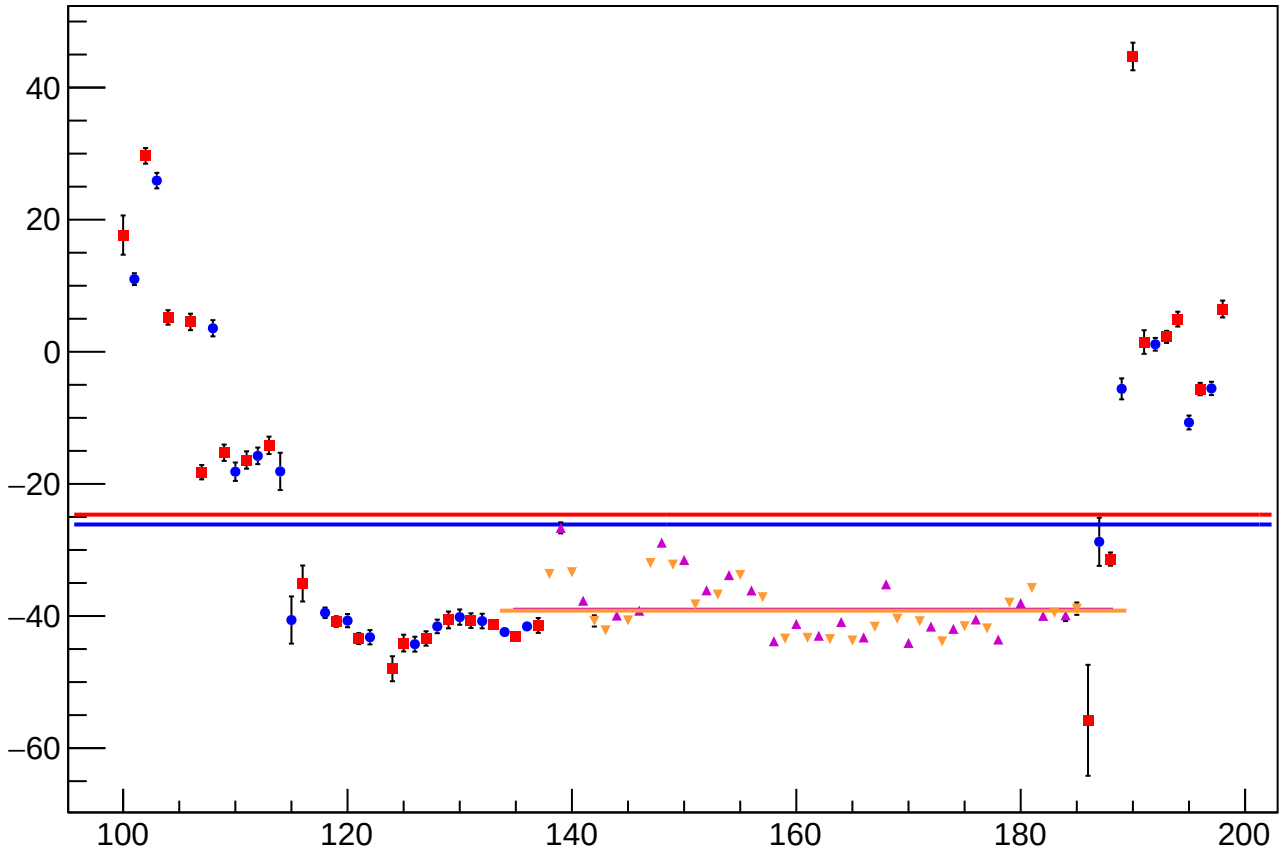
Right: -65.723+/-0.132 χ^2/NDF: 14357.4/47

In: -58.944+/-0.097 χ^2/NDF:8222.7/43

Out: -59.099+/-0.092 χ^2/NDF:11717.0/51

All: -59.026+/-0.067 χ^2/NDF: 19941.1/95


reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
10
5
0
−5
−10
−15
−20
100
120
140
160
180
200
Right In: -5.941+/-0.193 χ²/NDF: 113.7/20
Left Out: -10.034+/-0.136 χ²/NDF:1182.4/24
Right Out: -5.592+/-0.167 χ²/NDF: 323.7/26
Left In: -10.184+/-0.139 χ²/NDF:1142.6/22
Left: -10.107+/-0.097 χ²/NDF: 2325.6/47
Right: -5.742+/-0.126 χ²/NDF: 439.4/47
In: -8.732+/-0.113 χ²/NDF:1574.8/43
Out: -8.260+/-0.106 χ²/NDF:1930.9/51
All: -8.480+/-0.077 χ²/NDF: 3515.0/95



Right In: -26.142+/-0.226 χ^2/NDF: 8864.4/20

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -24.650+/-0.209 χ^2/NDF: 11642.0/26

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

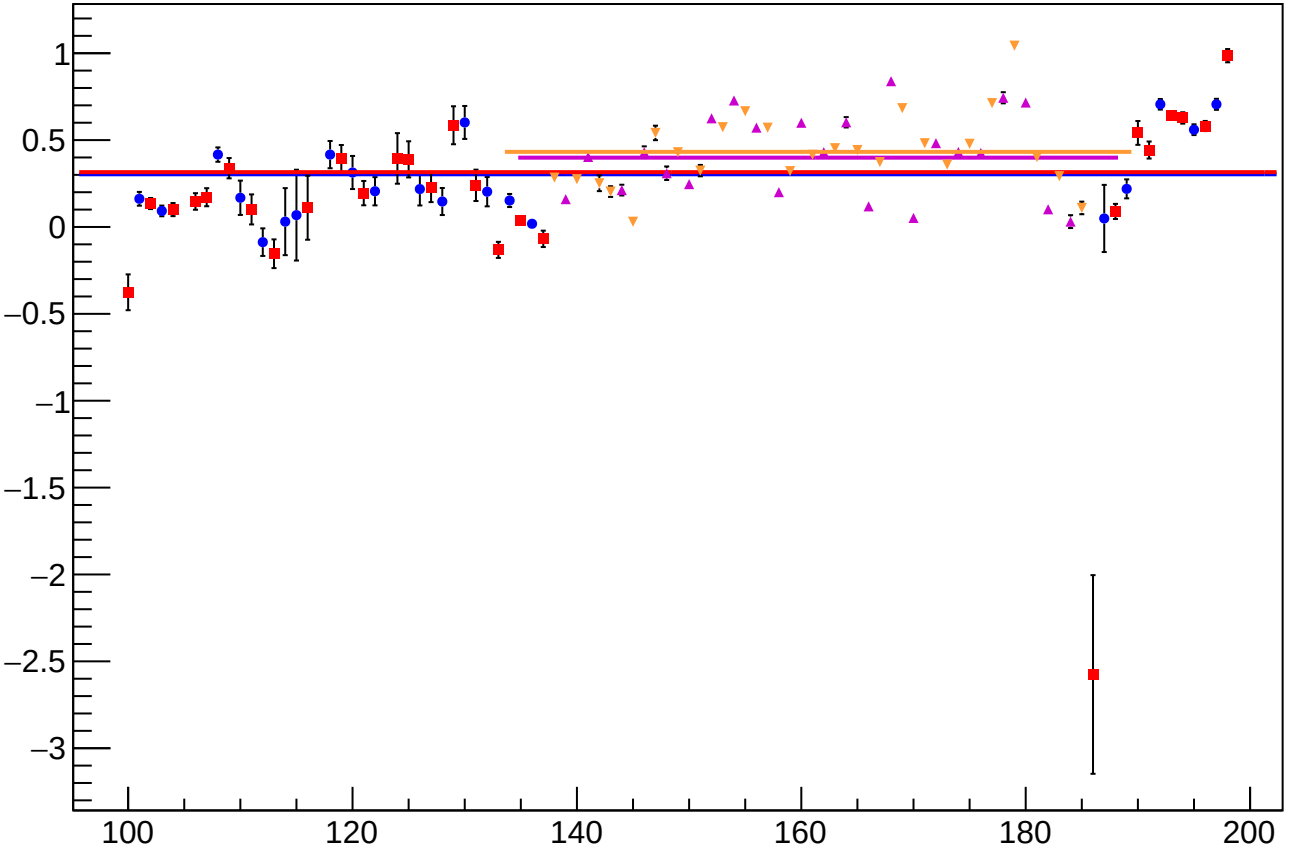
Right: -25.335+/-0.153 χ^2/NDF: 20529.9/47

In: -36.056+/-0.109 χ^2/NDF:12587.9/43

Out: -35.568+/-0.104 χ^2/NDF:16324.2/51

All: -35.801+/-0.075 χ^2/NDF: 28922.5/95

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303+/-0.010 χ^2/NDF: 715.6/20

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.316+/-0.009 χ^2/NDF: 1146.3/26

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

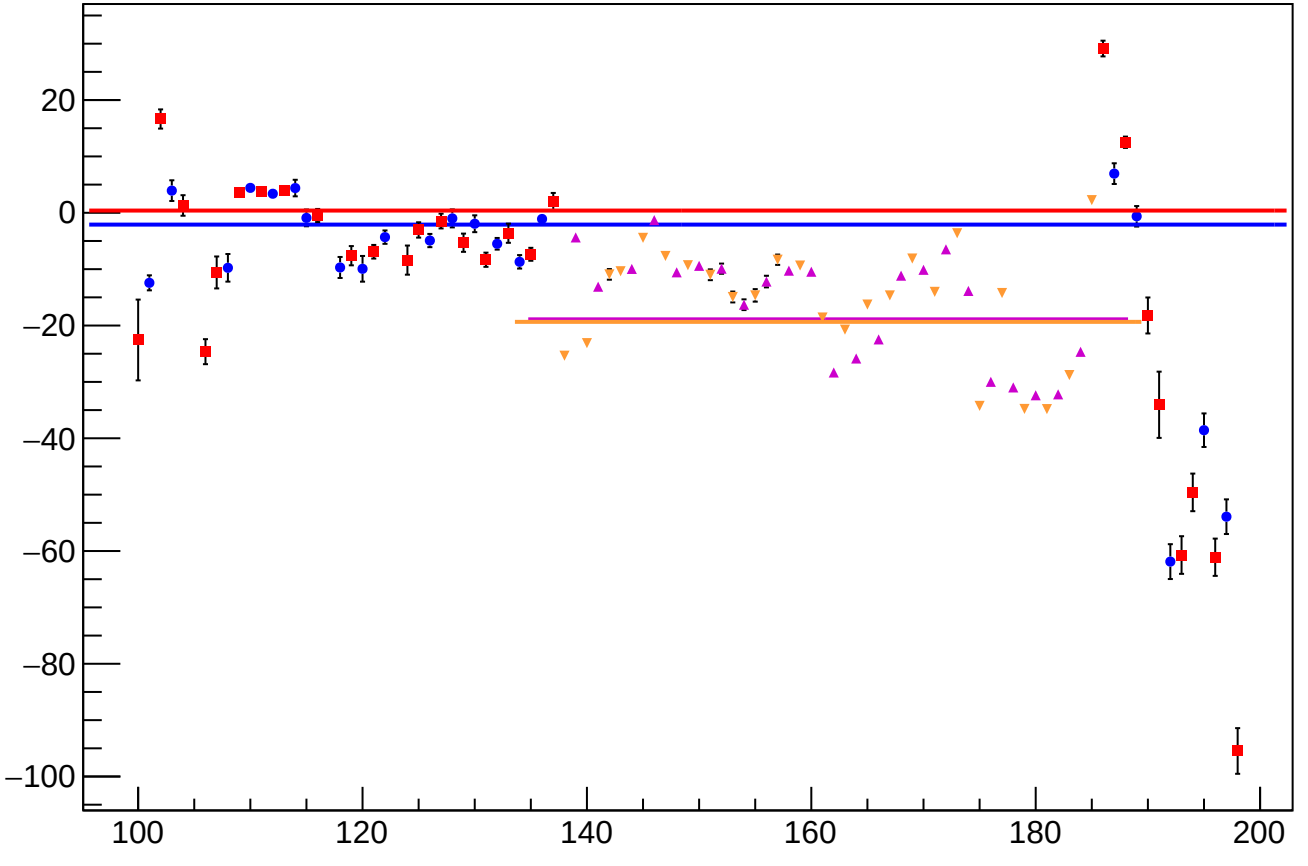
Right: 0.310+/-0.007 χ^2/NDF: 1862.7/47

In: 0.378+/-0.005 χ^2/NDF:2709.8/43

Out: 0.403+/-0.005 χ^2/NDF:2635.4/51

All: 0.391+/-0.003 χ^2/NDF: 5360.0/95

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.094+/-0.271 χ^2/NDF: 1177.6/20

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: 0.397+/-0.249 χ^2/NDF: 2625.7/26

Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

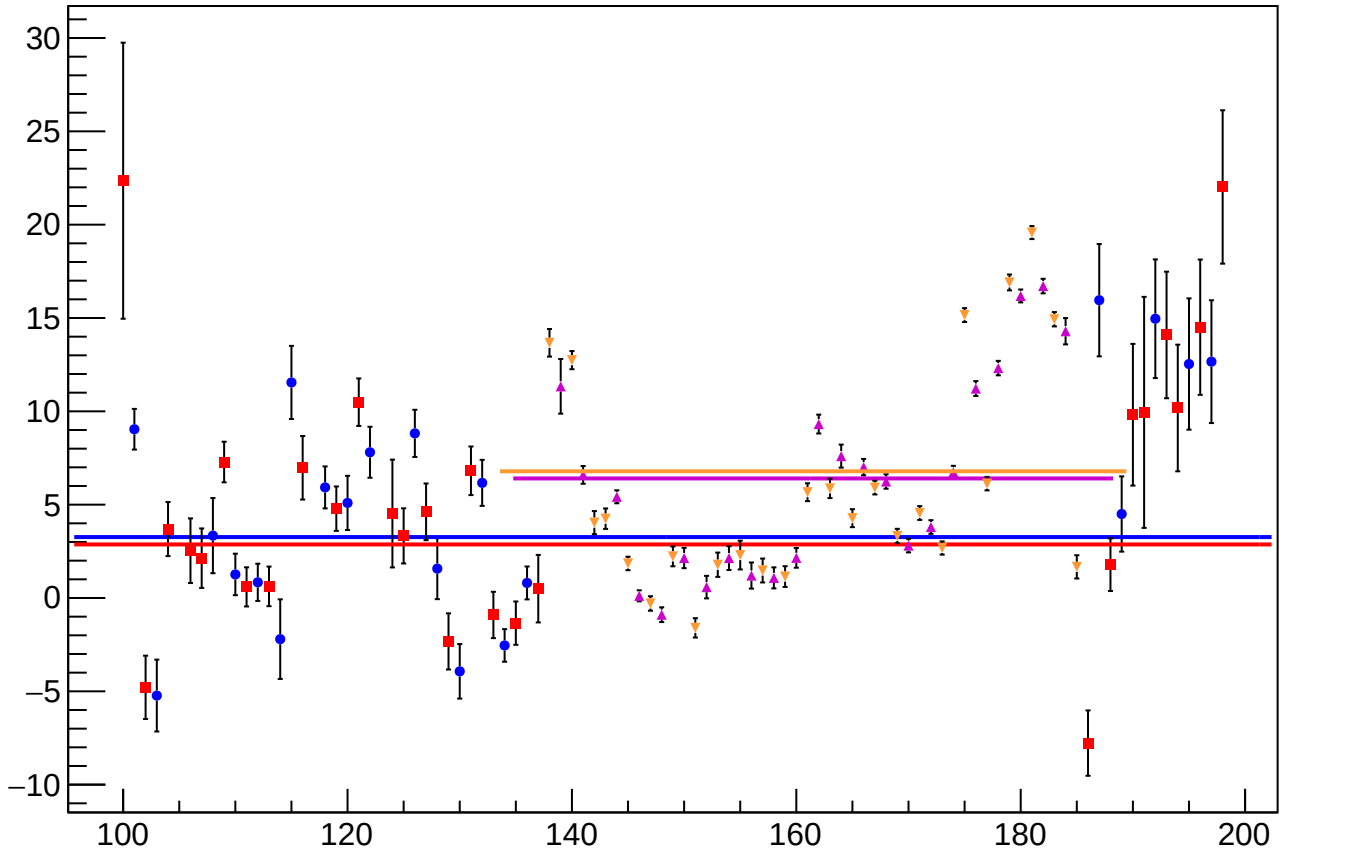
Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

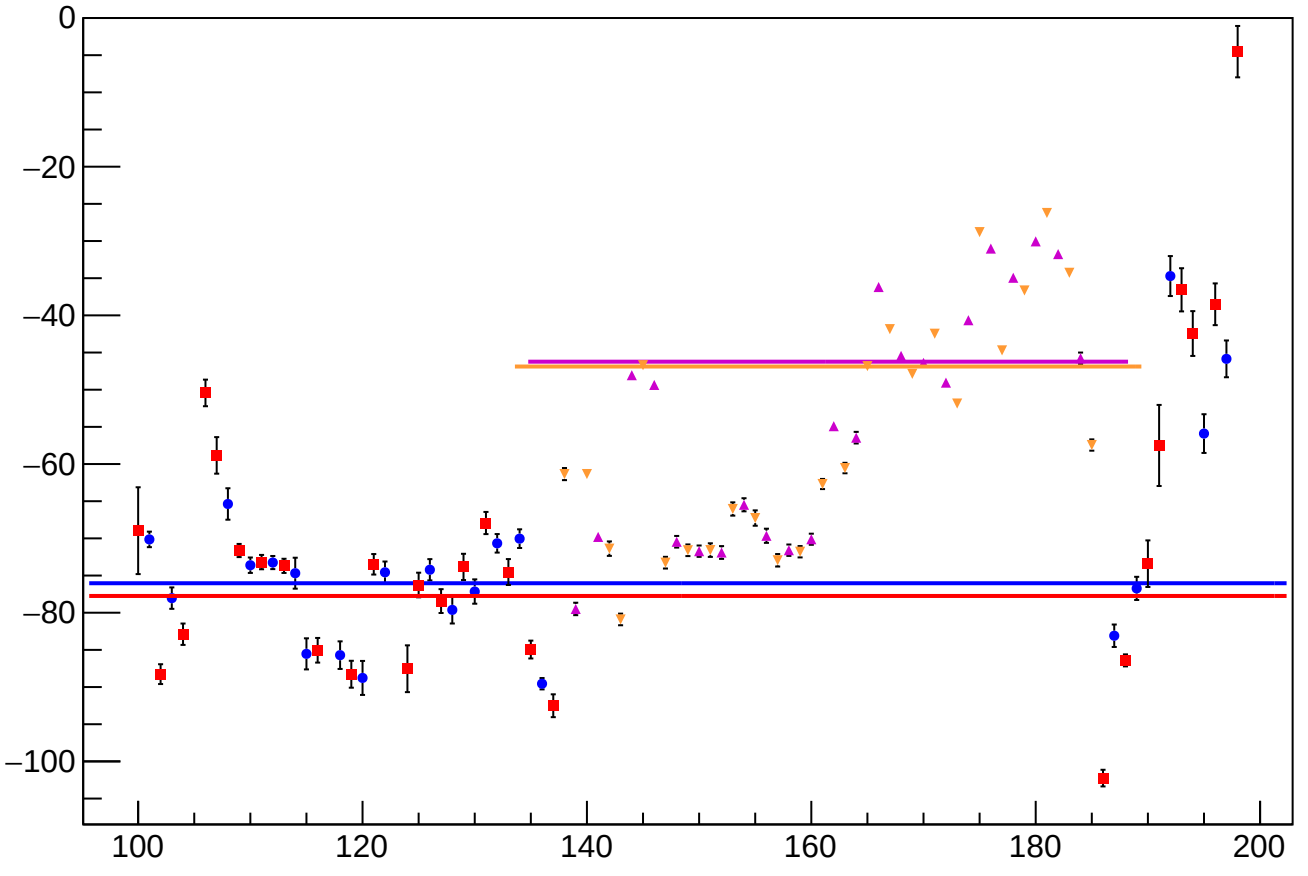
Right: -0.746+/-0.183 χ^2/NDF: 3849.0/47

In: -16.293+/-0.107 χ^2/NDF:12715.0/43

Out: -15.966+/-0.103 χ^2/NDF:18215.3/51

All: -16.124+/-0.074 χ^2/NDF: 30935.2/95


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: 3.264+/-0.304 χ²/NDF: 248.4/20
Left Out: 6.788+/-0.090 χ²/NDF:4632.5/24
Right Out: 2.869+/-0.303 χ²/NDF: 234.8/26
Left In: 6.404+/-0.091 χ²/NDF:3410.4/22
Left: 6.598+/-0.064 χ²/NDF: 8051.9/47
Right: 3.066+/-0.215 χ²/NDF: 484.0/47
In: 6.145+/-0.087 χ²/NDF:3756.6/43
Out: 6.470+/-0.086 χ²/NDF:5020.6/51
All: 6.310+/-0.061 χ²/NDF: 8784.2/95



Right In: -76.034+/-0.306 χ^2/NDF: 981.3/20

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -77.746+/-0.287 χ^2/NDF: 2302.6/26

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

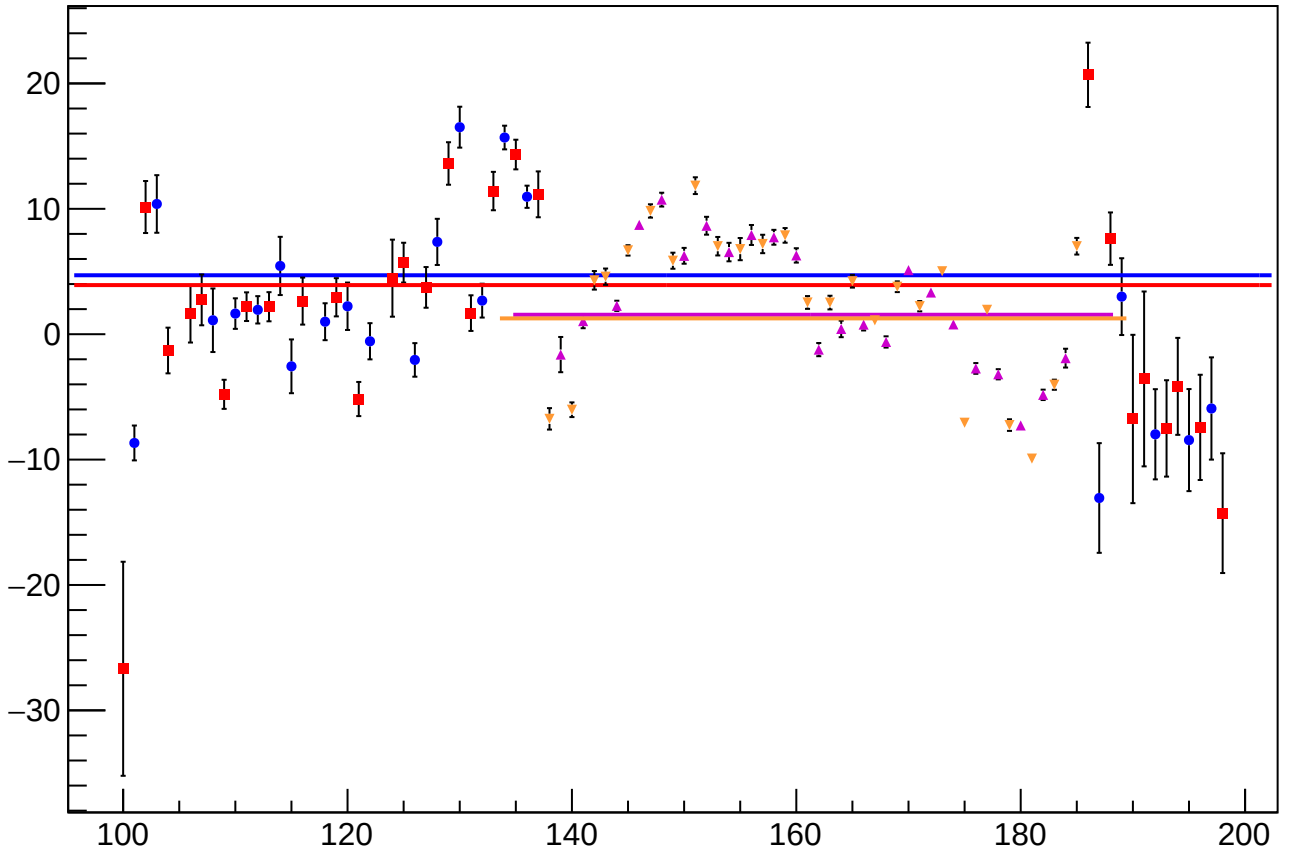
Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

Right: -76.946+/-0.209 χ^2/NDF: 3300.6/47

In: -49.995+/-0.109 χ^2/NDF:24448.6/43

Out: -51.091+/-0.106 χ^2/NDF:30288.7/51

All: -50.557+/-0.076 χ^2/NDF: 54789.4/95



Right In: 4.701+/-0.342 χ^2/NDF: 460.3/20

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.917+/-0.347 χ^2/NDF: 376.1/26

Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

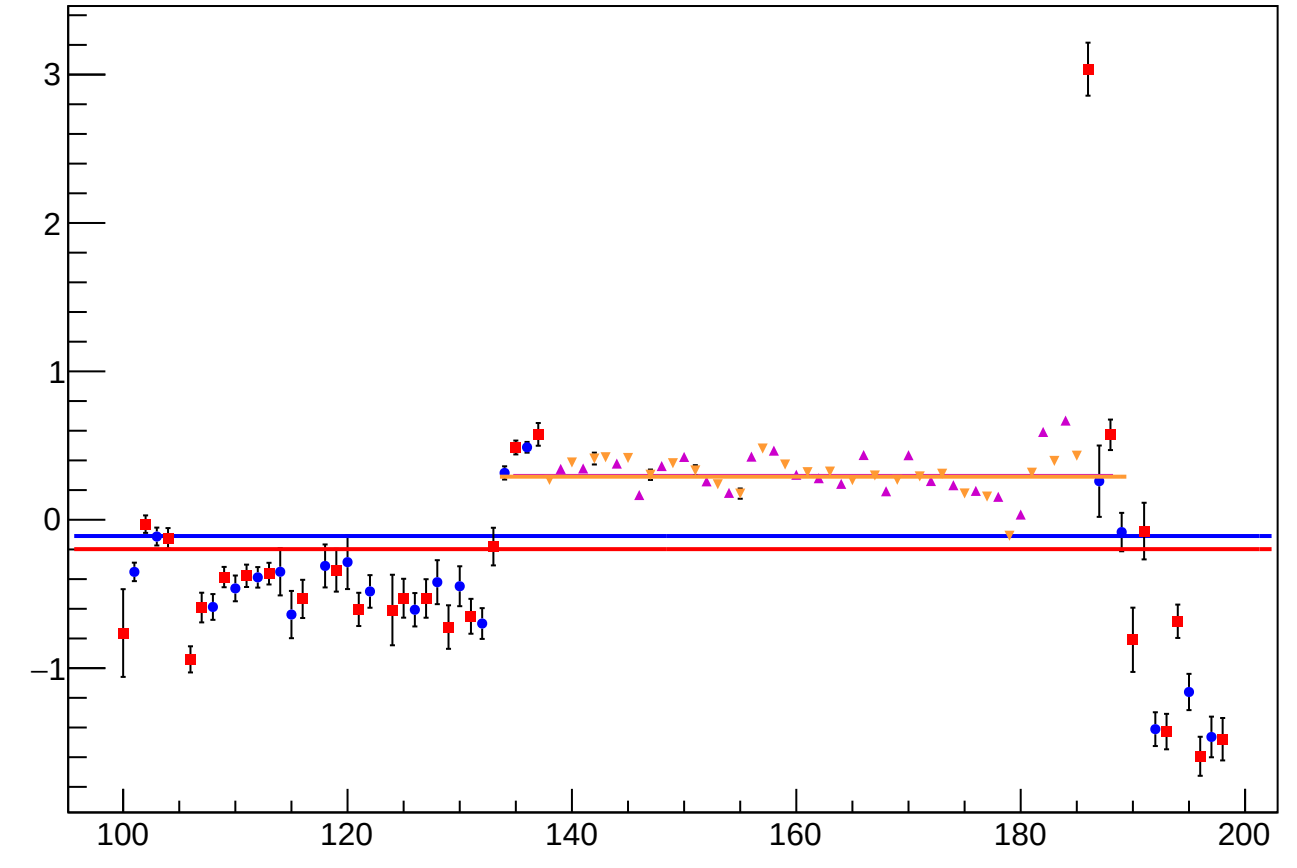
Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

Right: 4.314+/-0.244 χ^2/NDF: 839.0/47

In: 1.808+/-0.098 χ^2/NDF:2873.8/43

Out: 1.467+/-0.096 χ^2/NDF:3875.8/51

All: 1.635+/-0.069 χ^2/NDF: 6755.8/95



Right In: -0.110+/-0.018 χ^2/NDF: 837.2/20

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.198+/-0.019 χ^2/NDF: 1209.1/26

Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

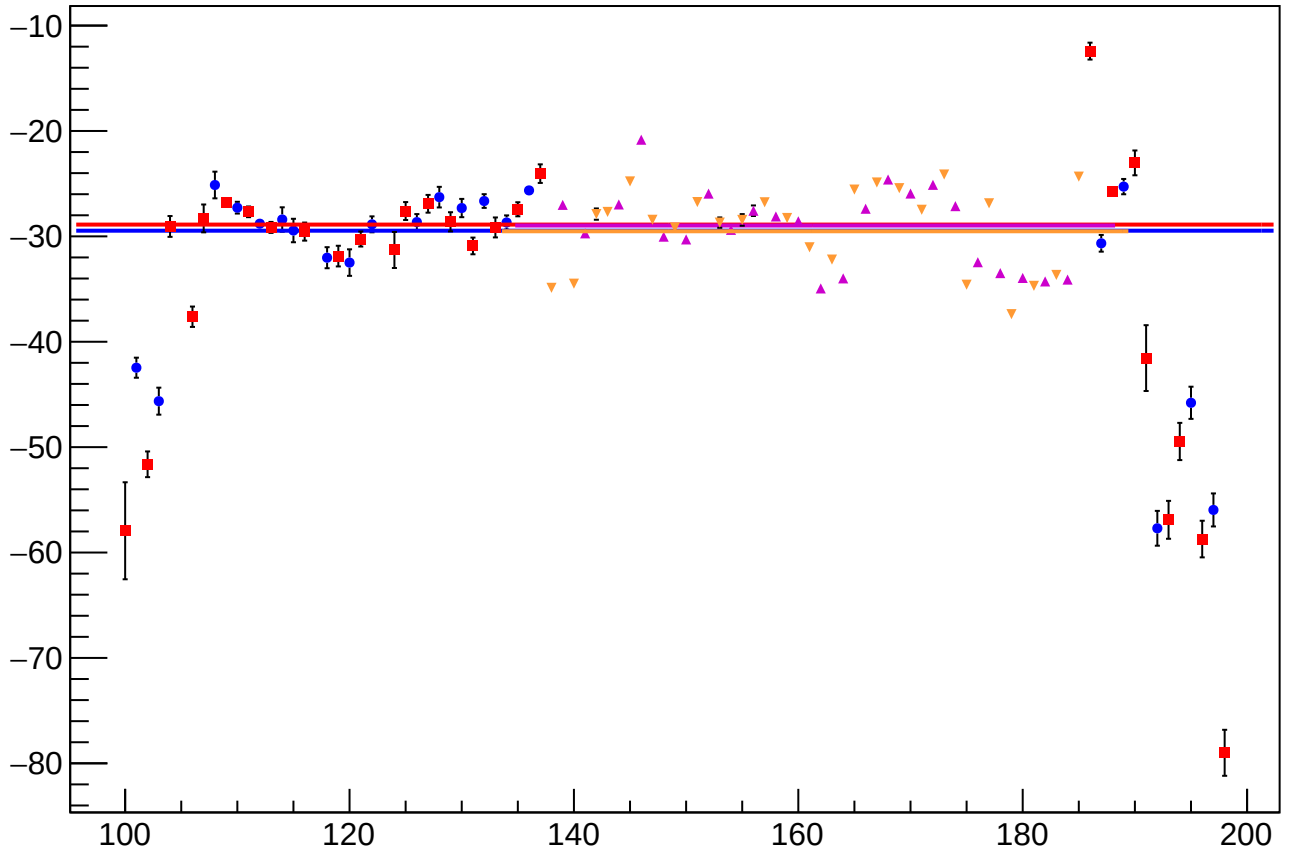
Left: 0.293+/-0.003 χ^2/NDF: 1755.3/47

Right: -0.152+/-0.013 χ^2/NDF: 2057.9/47

In: 0.271+/-0.004 χ^2/NDF:2344.4/43

Out: 0.264+/-0.004 χ^2/NDF:2577.3/51

All: 0.267+/-0.003 χ^2/NDF: 4923.1/95



Right In: -29.462+/-0.172 χ^2/NDF: 1232.1/20

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -28.883+/-0.160 χ^2/NDF: 2276.4/26

Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

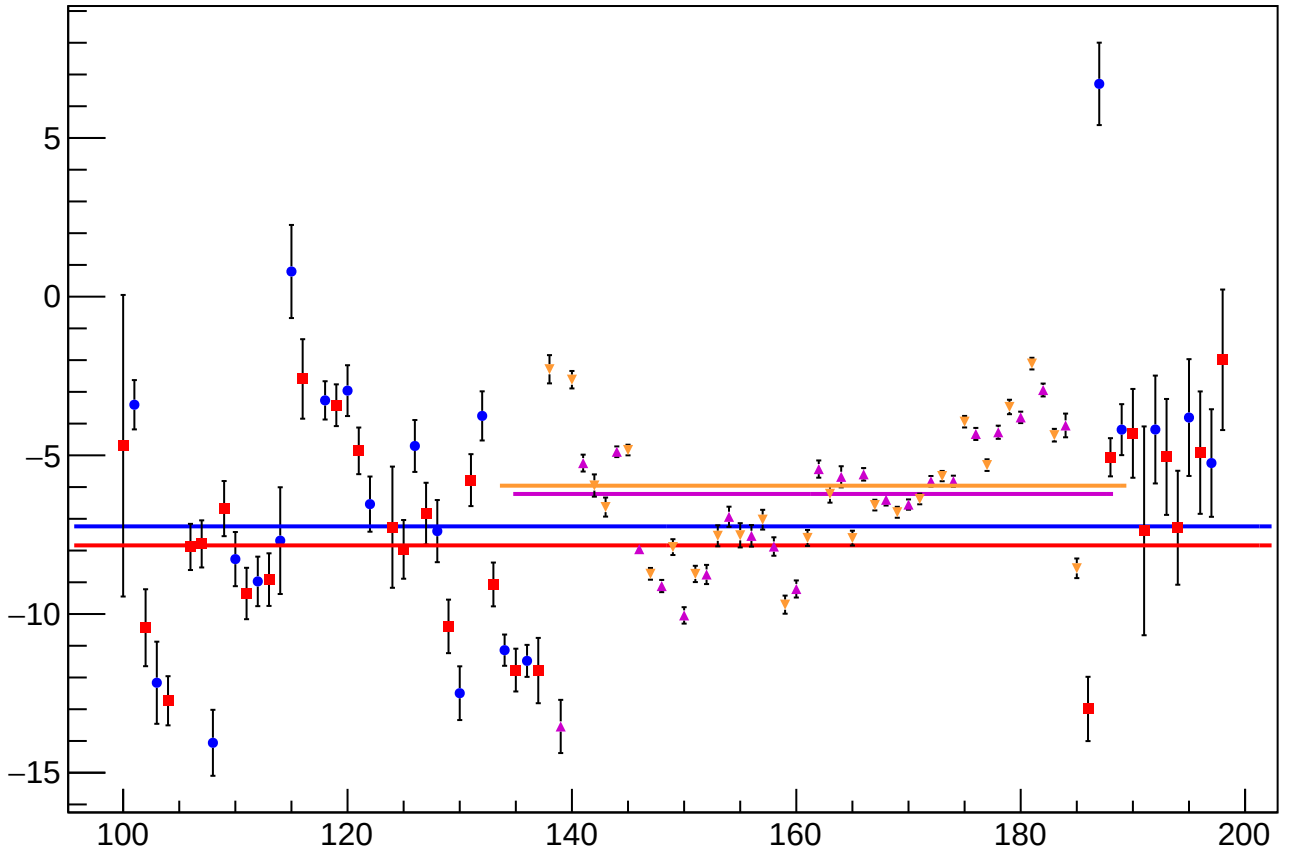
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -29.150+/-0.117 χ^2/NDF: 3514.6/47

In: -29.019+/-0.054 χ^2/NDF:6588.0/43

Out: -29.446+/-0.053 χ^2/NDF:8378.8/51

All: -29.237+/-0.038 χ^2/NDF: 14998.5/95



Right In: -7.238+/-0.184 χ^2/NDF: 530.5/20

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -7.838+/-0.179 χ^2/NDF: 264.8/26

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

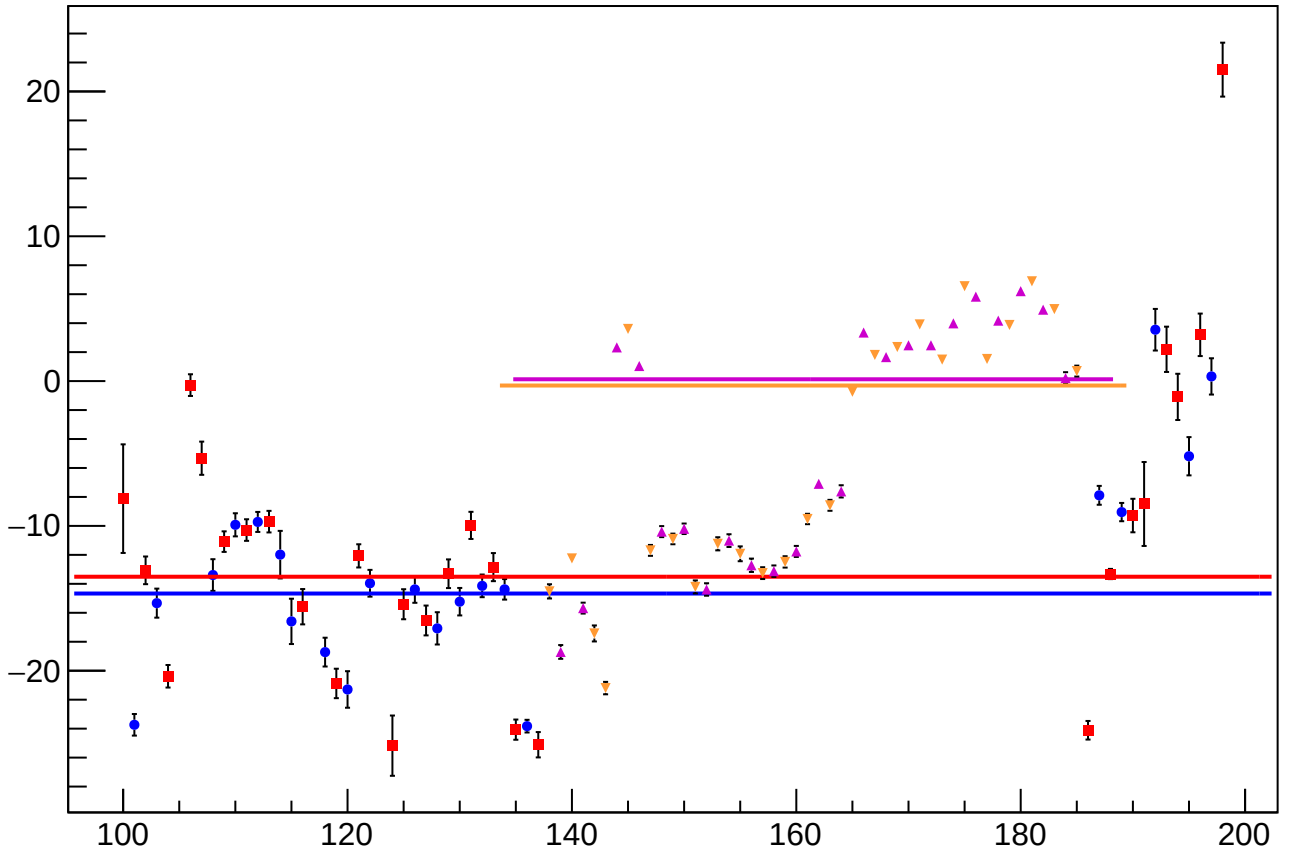
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.547+/-0.128 χ^2/NDF: 800.7/47

In: -6.272+/-0.043 χ^2/NDF:2301.3/43

Out: -6.066+/-0.043 χ^2/NDF:2226.9/51

All: -6.169+/-0.030 χ^2/NDF: 4539.7/95



Right In: -14.670+/-0.185 χ^2/NDF: 1271.7/20

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -13.510+/-0.167 χ^2/NDF: 1954.5/26

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

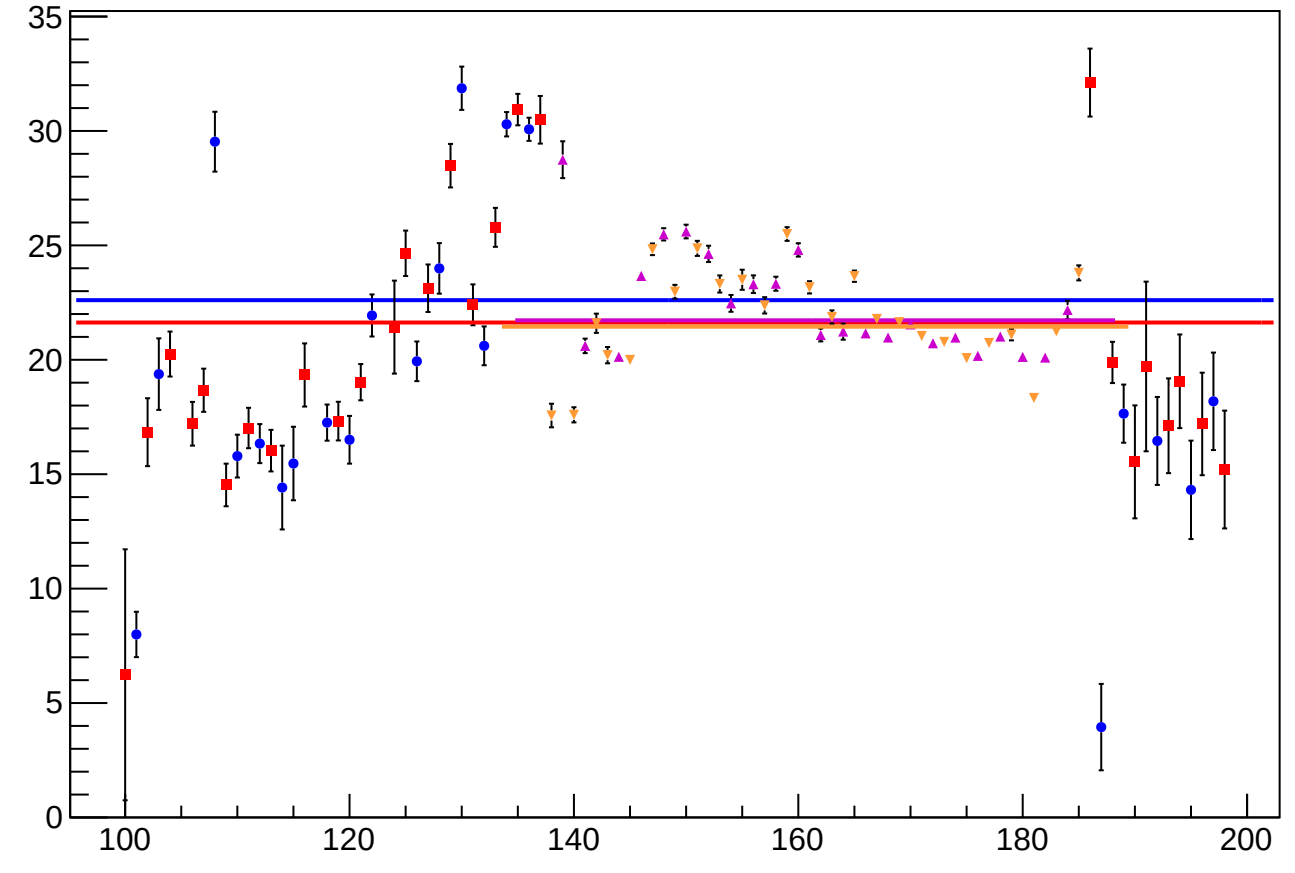
Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

Right: -14.033+/-0.124 χ^2/NDF: 3247.9/47

In: -1.164+/-0.054 χ^2/NDF:20979.5/43

Out: -1.659+/-0.054 χ^2/NDF:24722.4/51

All: -1.416+/-0.038 χ^2/NDF: 45743.9/95



Right In: 22.605+/-0.210 χ^2/NDF: 1158.2/20

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.628+/-0.210 χ^2/NDF: 634.9/26

Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

Left: 21.586+/-0.035 χ^2/NDF: 2514.7/47

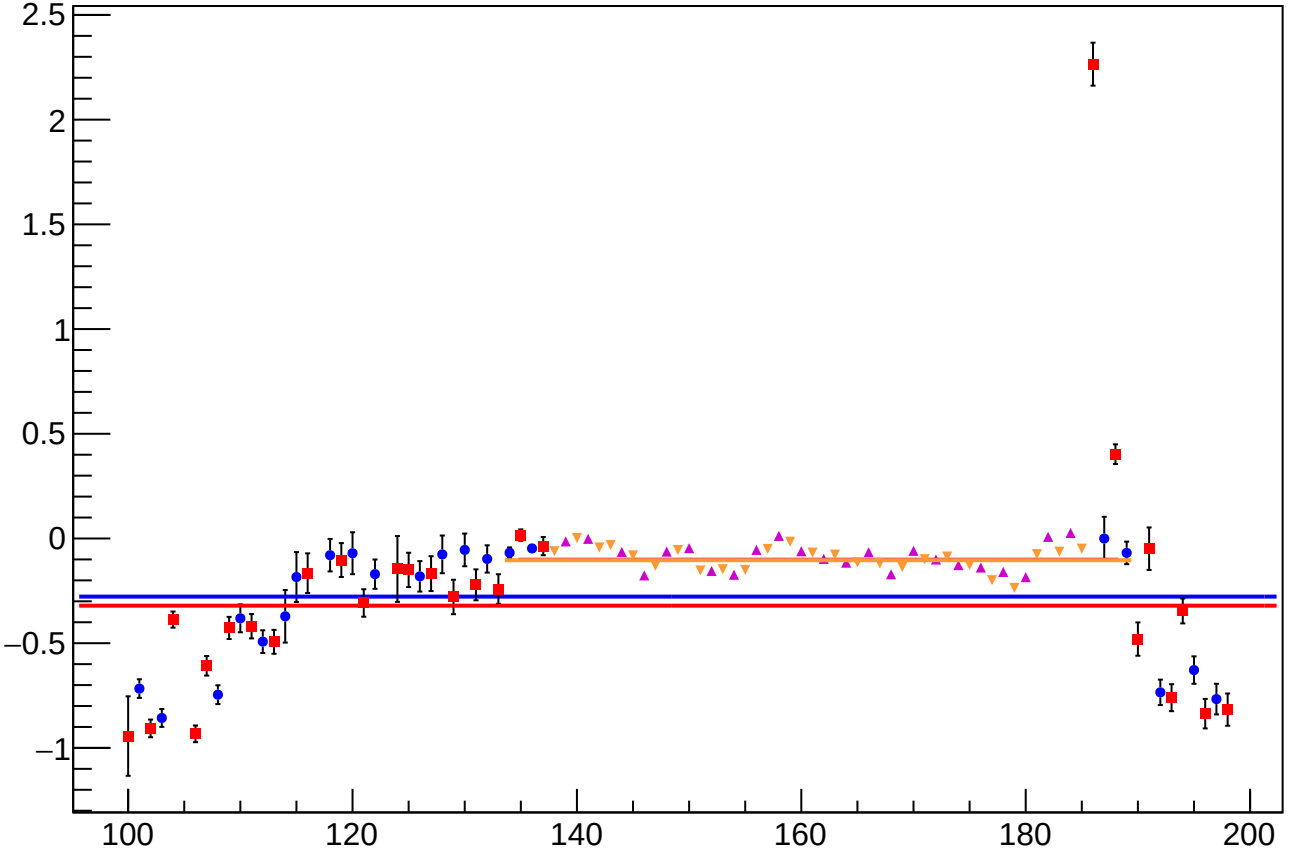
Right: 22.117+/-0.149 χ^2/NDF: 1803.9/47

In: 21.772+/-0.048 χ^2/NDF:2348.5/43

Out: 21.456+/-0.048 χ^2/NDF:1960.8/51

All: 21.614+/-0.034 χ^2/NDF: 4330.7/95

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.278+/-0.011 χ^2/NDF: 791.1/20

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.321+/-0.011 χ^2/NDF: 1739.7/26

Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

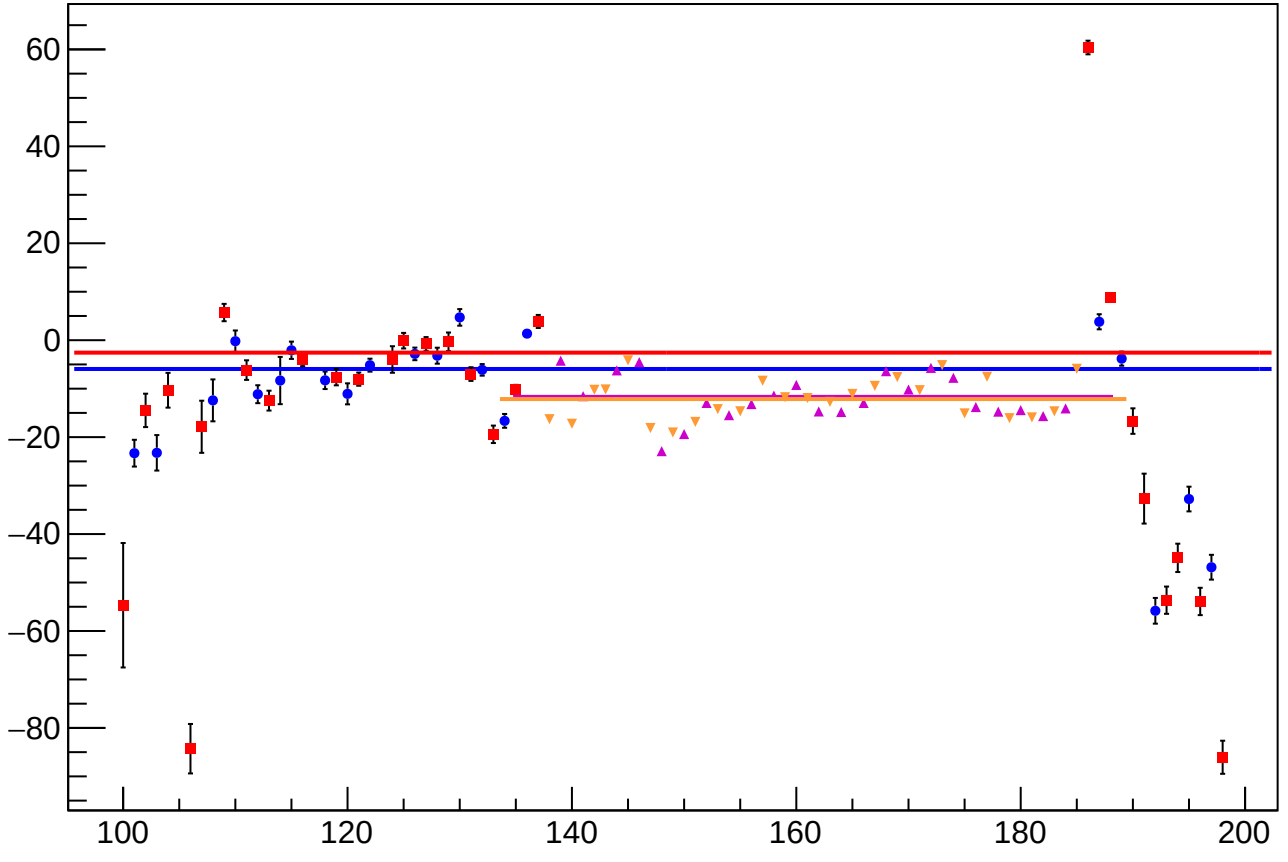
Right: -0.299+/-0.008 χ^2/NDF: 2538.6/47

In: -0.108+/-0.002 χ^2/NDF:1801.5/43

Out: -0.112+/-0.002 χ^2/NDF:2660.9/51

All: -0.110+/-0.002 χ^2/NDF: 4463.9/95

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -5.937+/-0.349 χ^2/NDF: 1071.1/20

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -2.566+/-0.340 χ^2/NDF: 4265.7/26

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

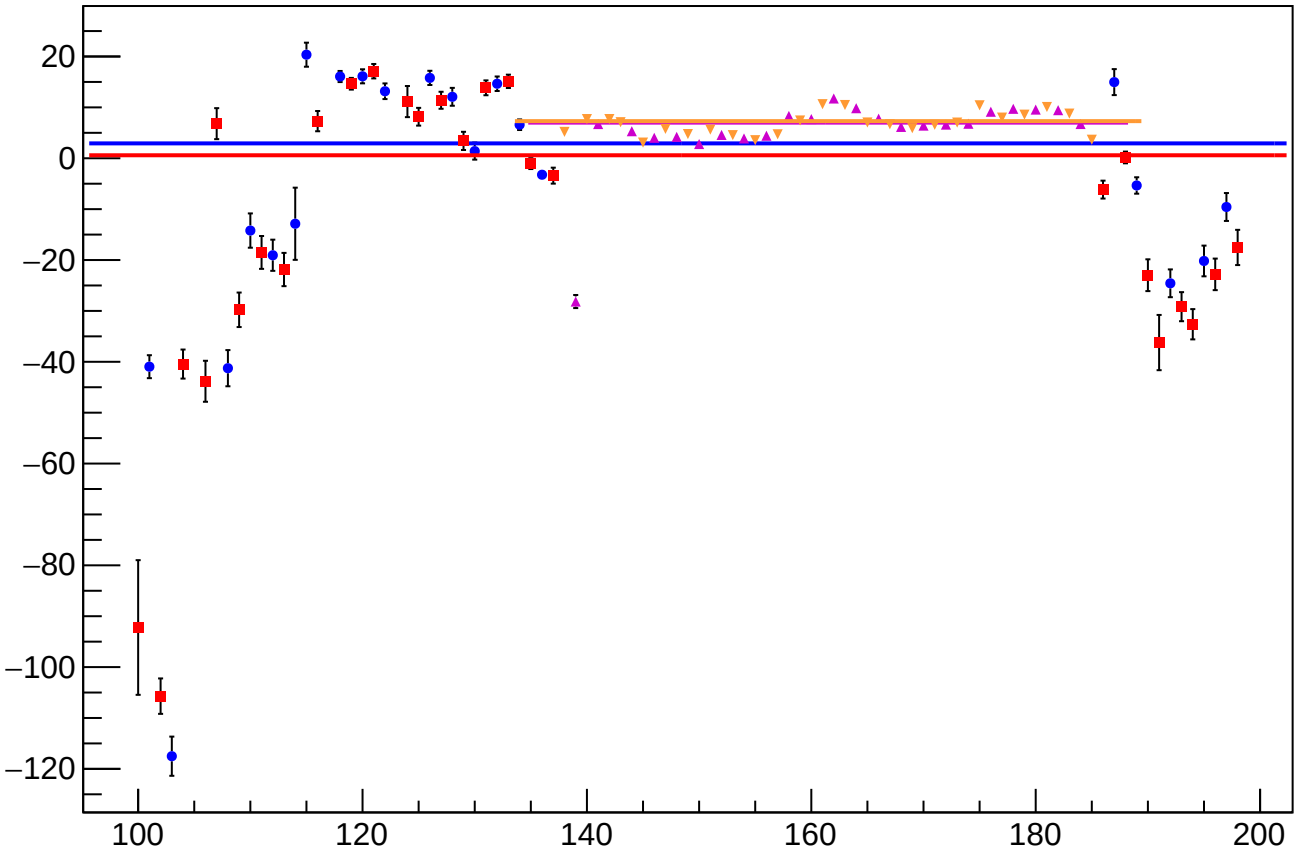
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -4.207+/-0.244 χ^2/NDF: 5384.6/47

In: -11.307+/-0.091 χ^2/NDF:3275.6/43

Out: -11.497+/-0.088 χ^2/NDF:7135.3/51

All: -11.405+/-0.063 χ^2/NDF: 10413.1/95



Right In: 2.925+/-0.361 χ^2/NDF: 2411.1/20

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: 0.589+/-0.372 χ^2/NDF: 2497.4/26

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

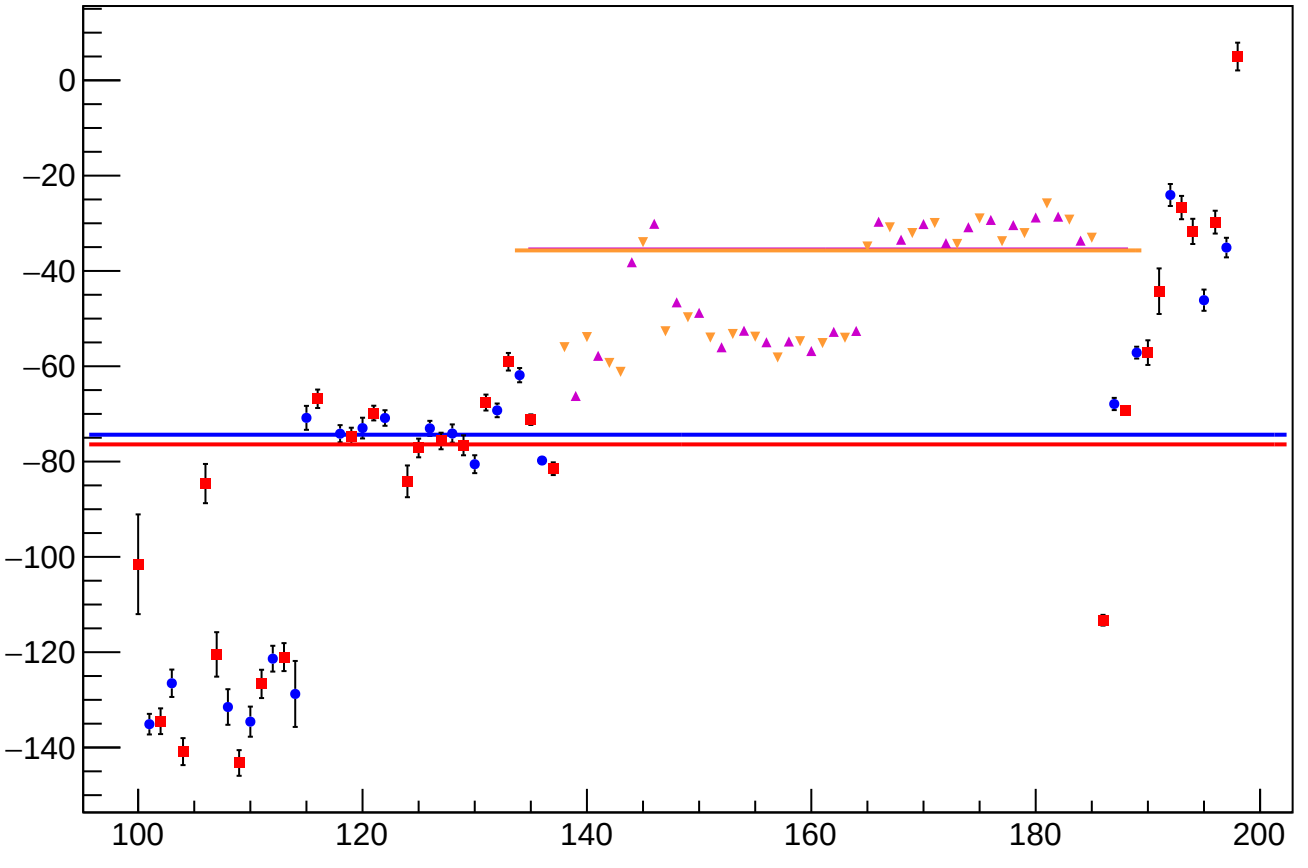
Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

Right: 1.790+/-0.259 χ^2/NDF: 4928.8/47

In: 6.832+/-0.074 χ^2/NDF:4109.1/43

Out: 7.035+/-0.073 χ^2/NDF:3633.1/51

All: 6.934+/-0.052 χ^2/NDF: 7746.0/95



Right In: -74.364+/-0.362 χ^2/NDF: 3460.8/20

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -76.396+/-0.342 χ^2/NDF: 5570.0/26

Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

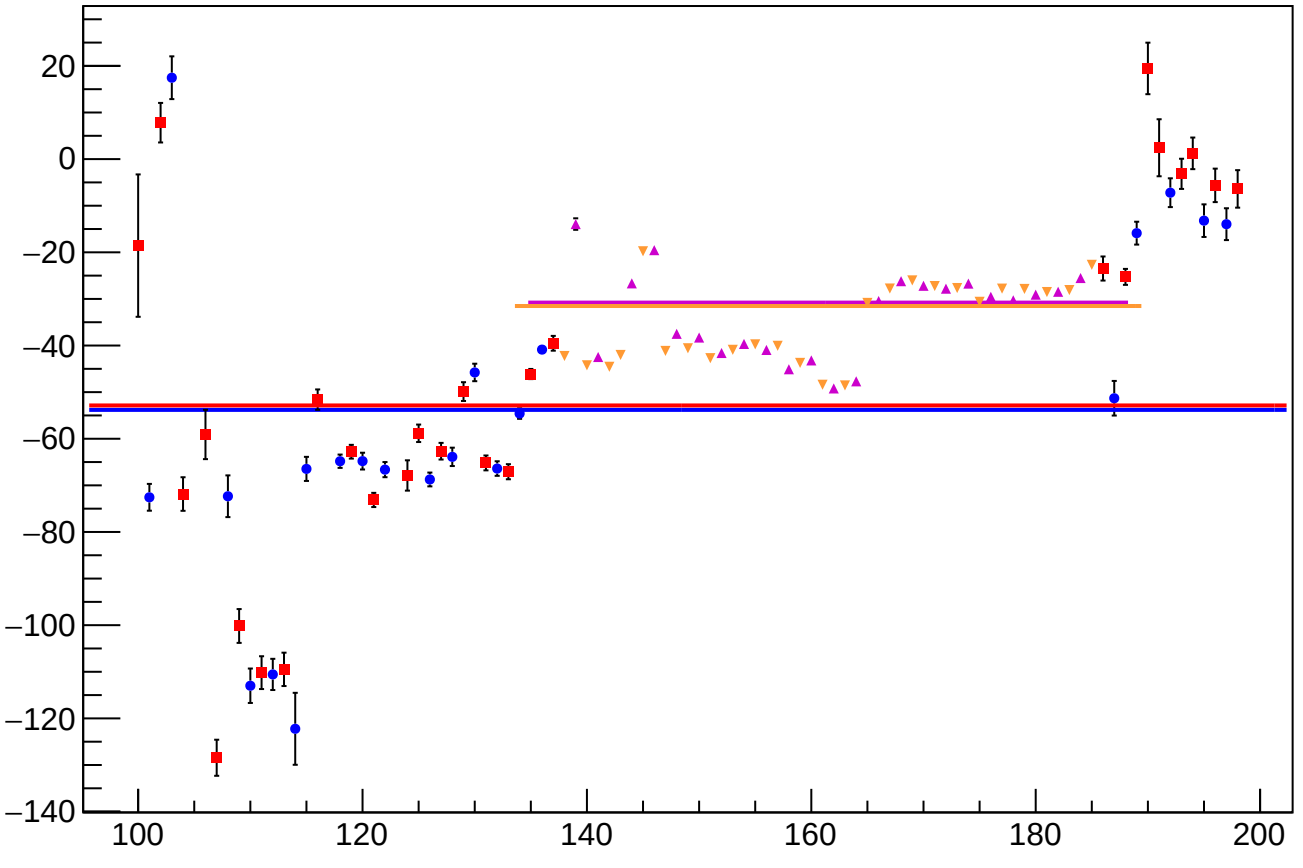
Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

Right: -75.438+/-0.248 χ^2/NDF: 9047.5/47

In: -37.983+/-0.092 χ^2/NDF:25424.0/43

Out: -38.455+/-0.089 χ^2/NDF:31578.7/51

All: -38.225+/-0.064 χ^2/NDF: 57016.3/95



Right In: -53.809+/-0.407 χ^2/NDF: 2323.9/20

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -52.855+/-0.430 χ^2/NDF: 3276.1/26

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

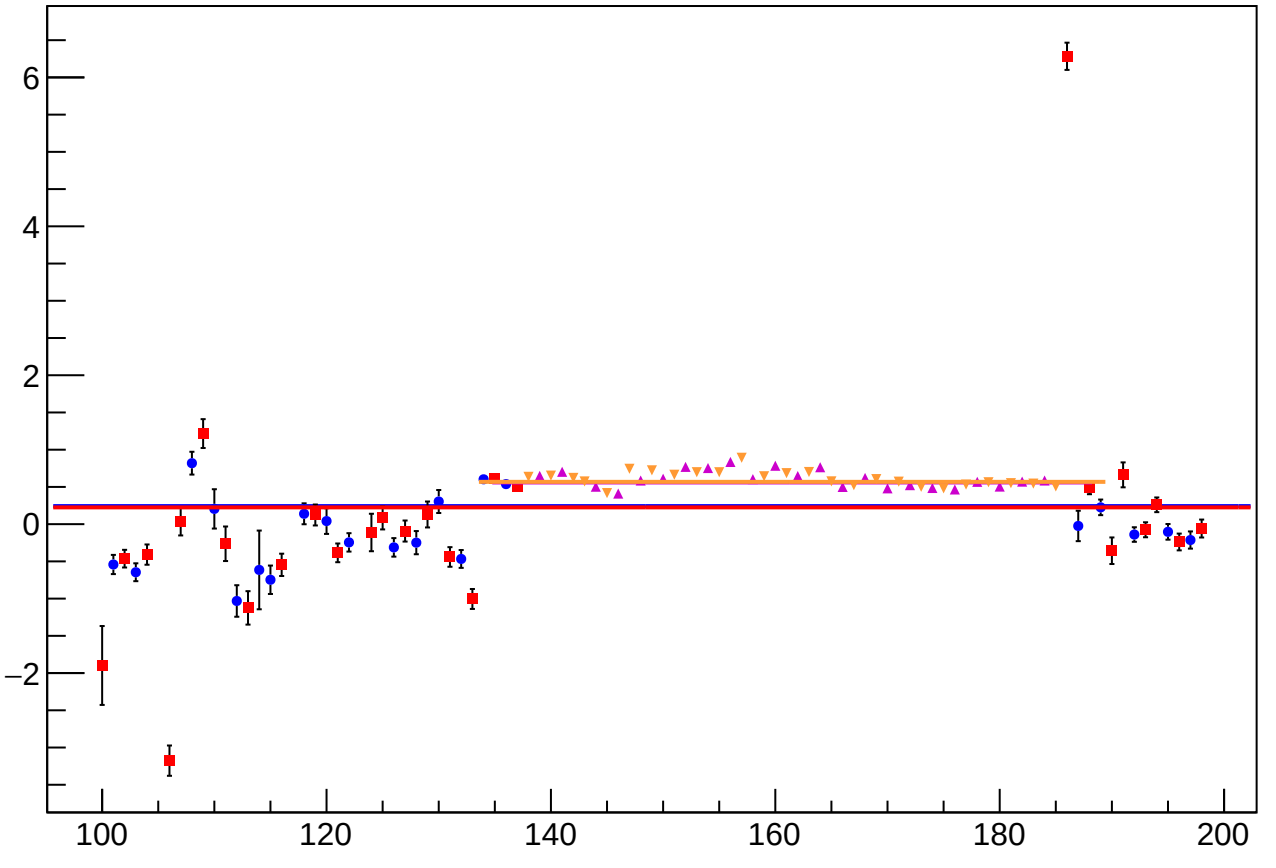
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

Right: -53.358+/-0.296 χ^2/NDF: 5602.6/47

In: -31.735+/-0.083 χ^2/NDF:12935.9/43

Out: -32.281+/-0.081 χ^2/NDF:14103.7/51

All: -32.012+/-0.058 χ^2/NDF: 27061.8/95



Right In: 0.243+/-0.021 χ^2/NDF: 425.0/20

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.225+/-0.022 χ^2/NDF: 1841.2/26

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

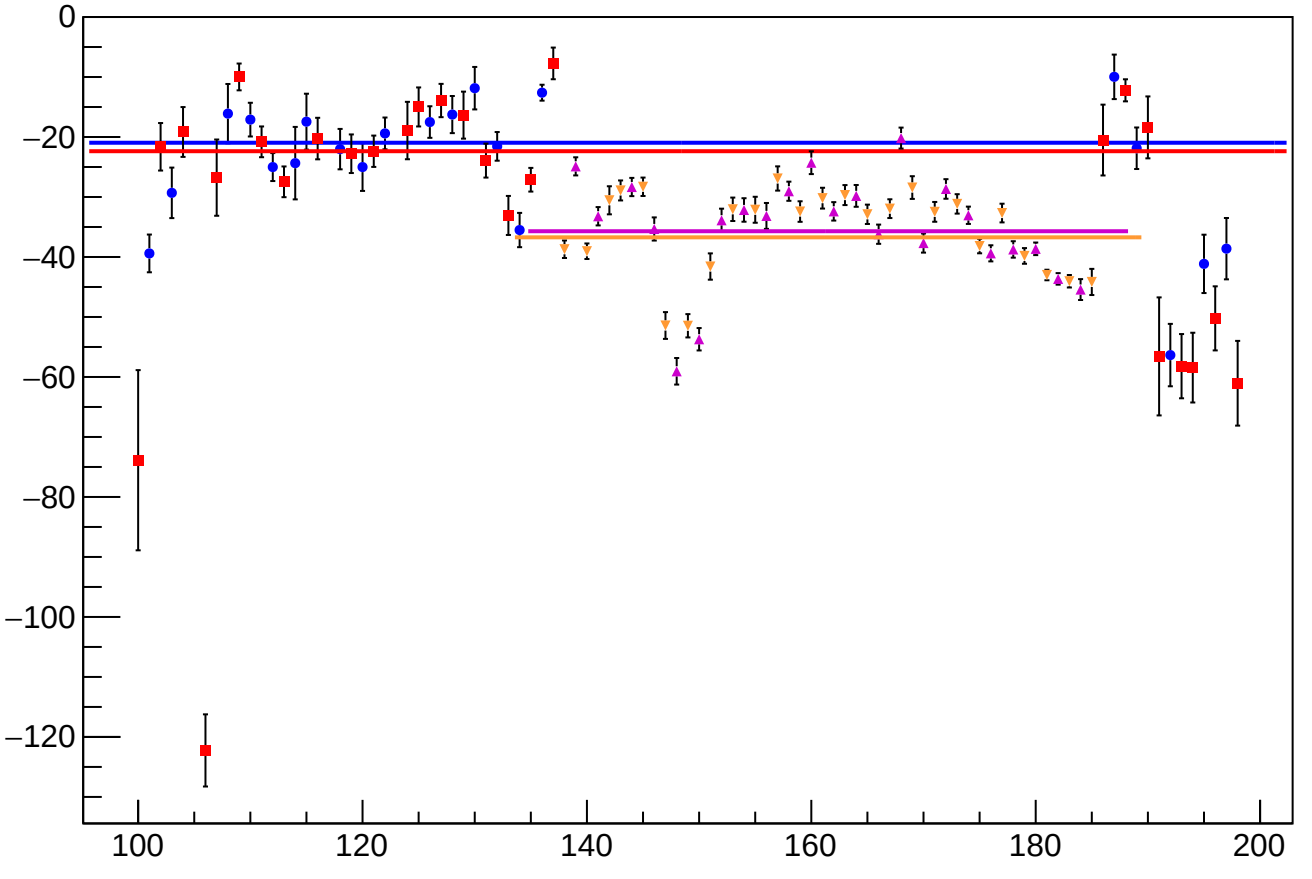
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.234+/-0.015 χ^2/NDF: 2266.5/47

In: 0.550+/-0.004 χ^2/NDF:1319.3/43

Out: 0.559+/-0.004 χ^2/NDF:2625.8/51

All: 0.555+/-0.003 χ^2/NDF: 3948.3/95



Right In: -20.956+/-0.653 χ^2/NDF: 207.1/20

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -22.368+/-0.638 χ^2/NDF: 572.9/26

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

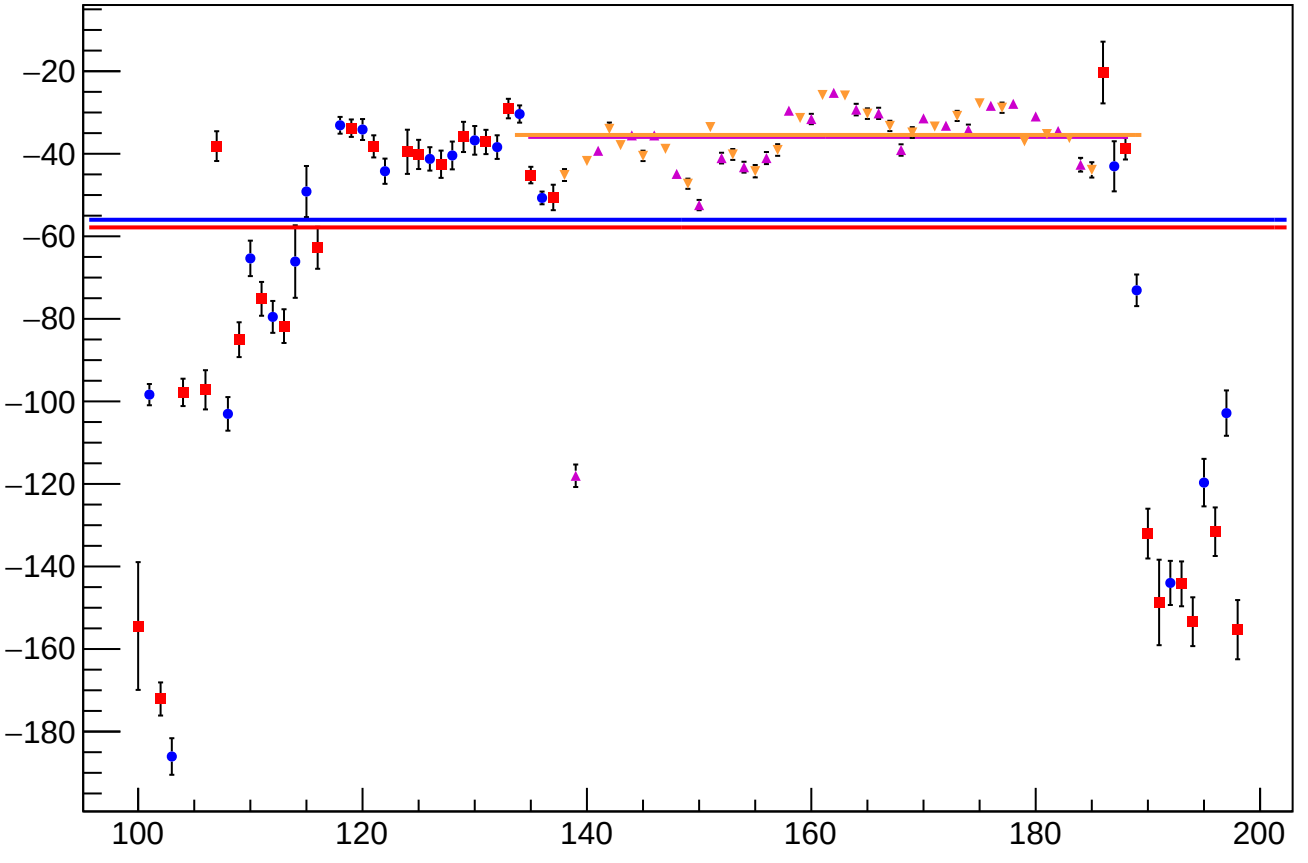
Right: -21.678+/-0.456 χ^2/NDF: 782.3/47

In: -32.804+/-0.290 χ^2/NDF:1195.5/43

Out: -33.981+/-0.279 χ^2/NDF:1402.9/51

All: -33.414+/-0.201 χ^2/NDF: 2607.0/95

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -55.989+/-0.676 χ^2/NDF: 2295.8/20

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -57.841+/-0.691 χ^2/NDF: 2870.7/26

Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

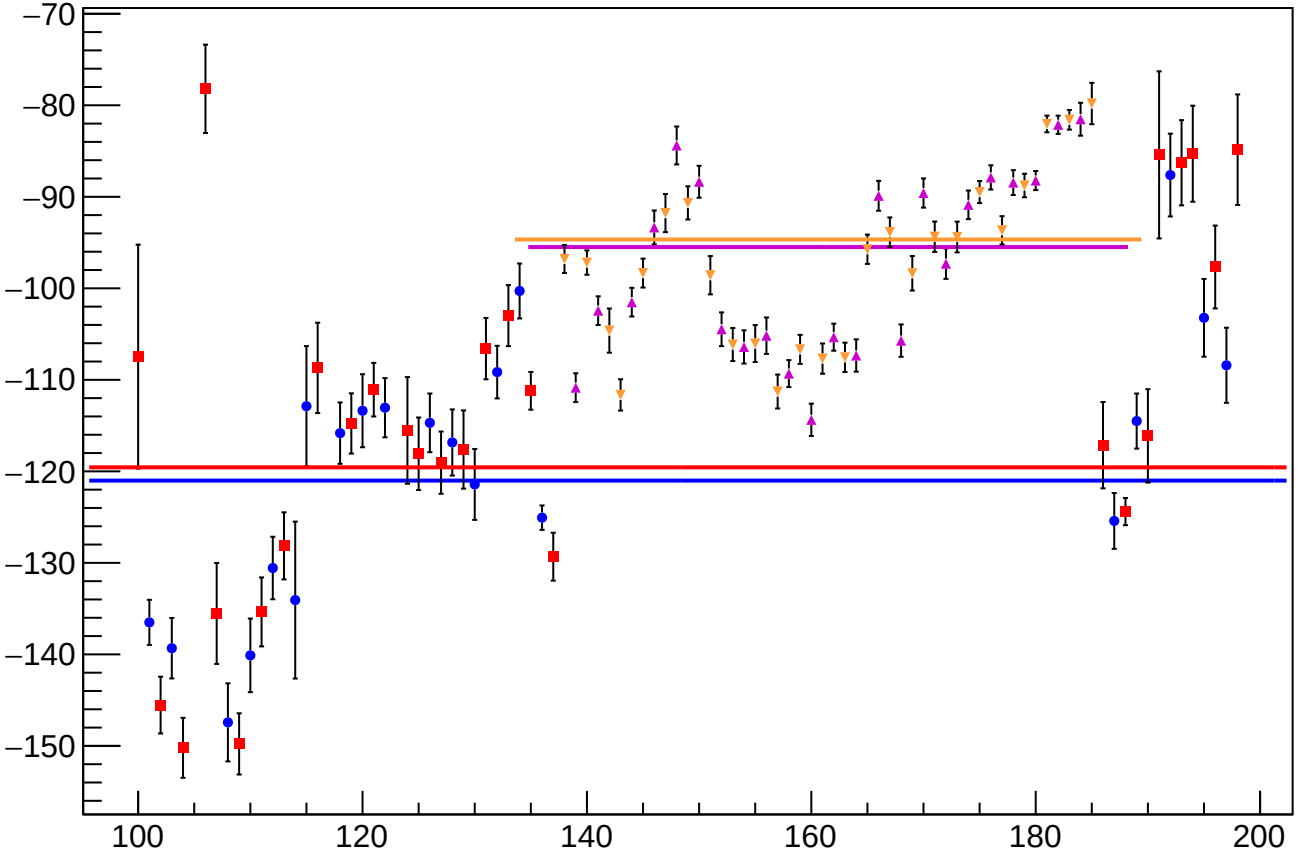
Right: -56.895+/-0.483 χ^2/NDF: 5170.2/47

In: -38.433+/-0.240 χ^2/NDF:4610.0/43

Out: -37.944+/-0.231 χ^2/NDF:4343.2/51

All: -38.180+/-0.166 χ^2/NDF: 8955.3/95

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -121.010+/-0.681 χ^2/NDF: 322.3/20

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -119.560+/-0.664 χ^2/NDF: 606.8/26

Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

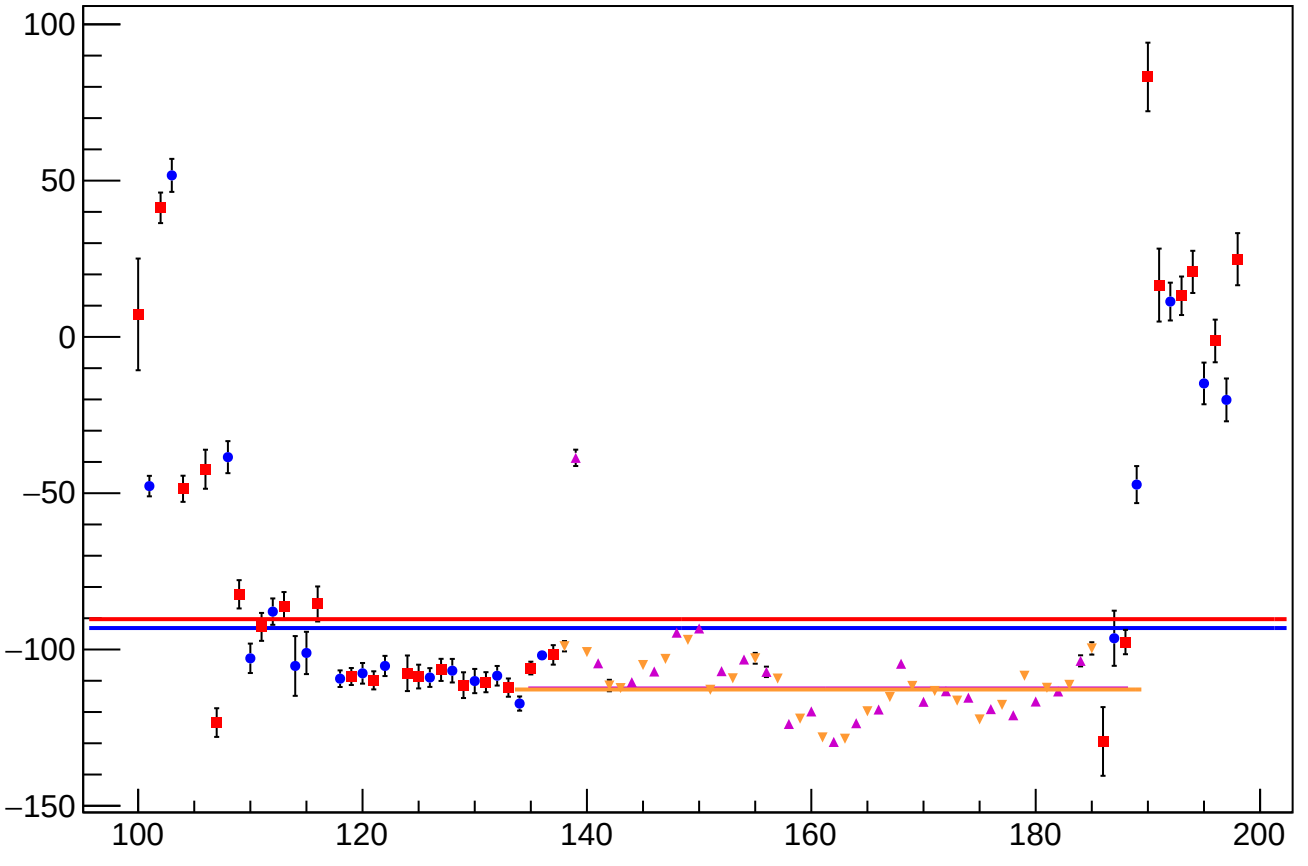
Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

Right: -120.267+/-0.475 χ^2/NDF: 931.4/47

In: -100.138+/-0.290 χ^2/NDF:2442.6/43

Out: -99.112+/-0.281 χ^2/NDF:2660.8/51

All: -99.608+/-0.202 χ^2/NDF: 5109.8/95



Right In: -93.136+/-0.766 χ^2/NDF: 1975.4/20

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -90.289+/-0.795 χ^2/NDF: 2574.5/26

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

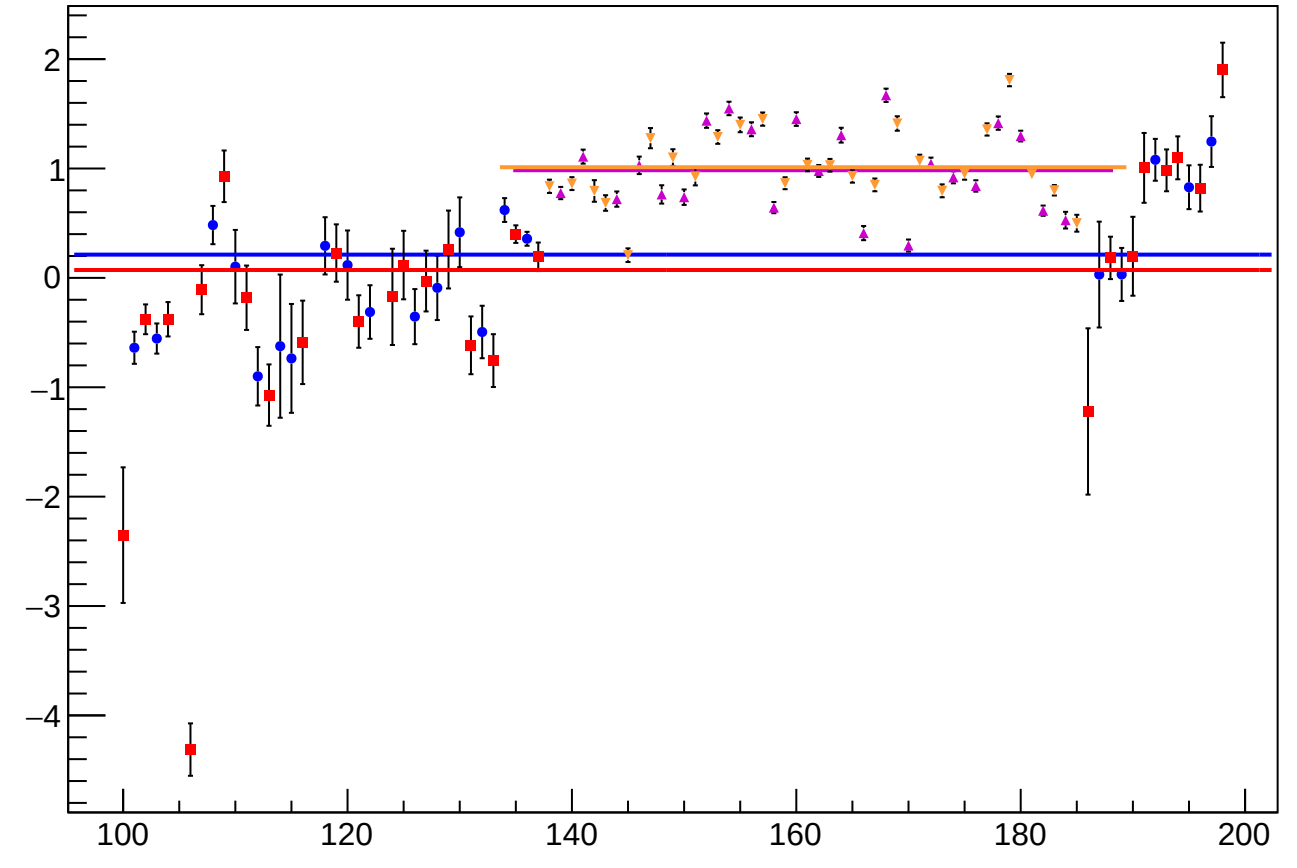
Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

Right: -91.765+/-0.552 χ^2/NDF: 4556.6/47

In: -110.119+/-0.267 χ^2/NDF:4322.9/43

Out: -110.404+/-0.259 χ^2/NDF:4227.2/51

All: -110.266+/-0.186 χ^2/NDF: 8550.7/95



Right In: 0.213+/-0.038 χ^2/NDF: 179.5/20

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.072+/-0.040 χ^2/NDF: 572.6/26

Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

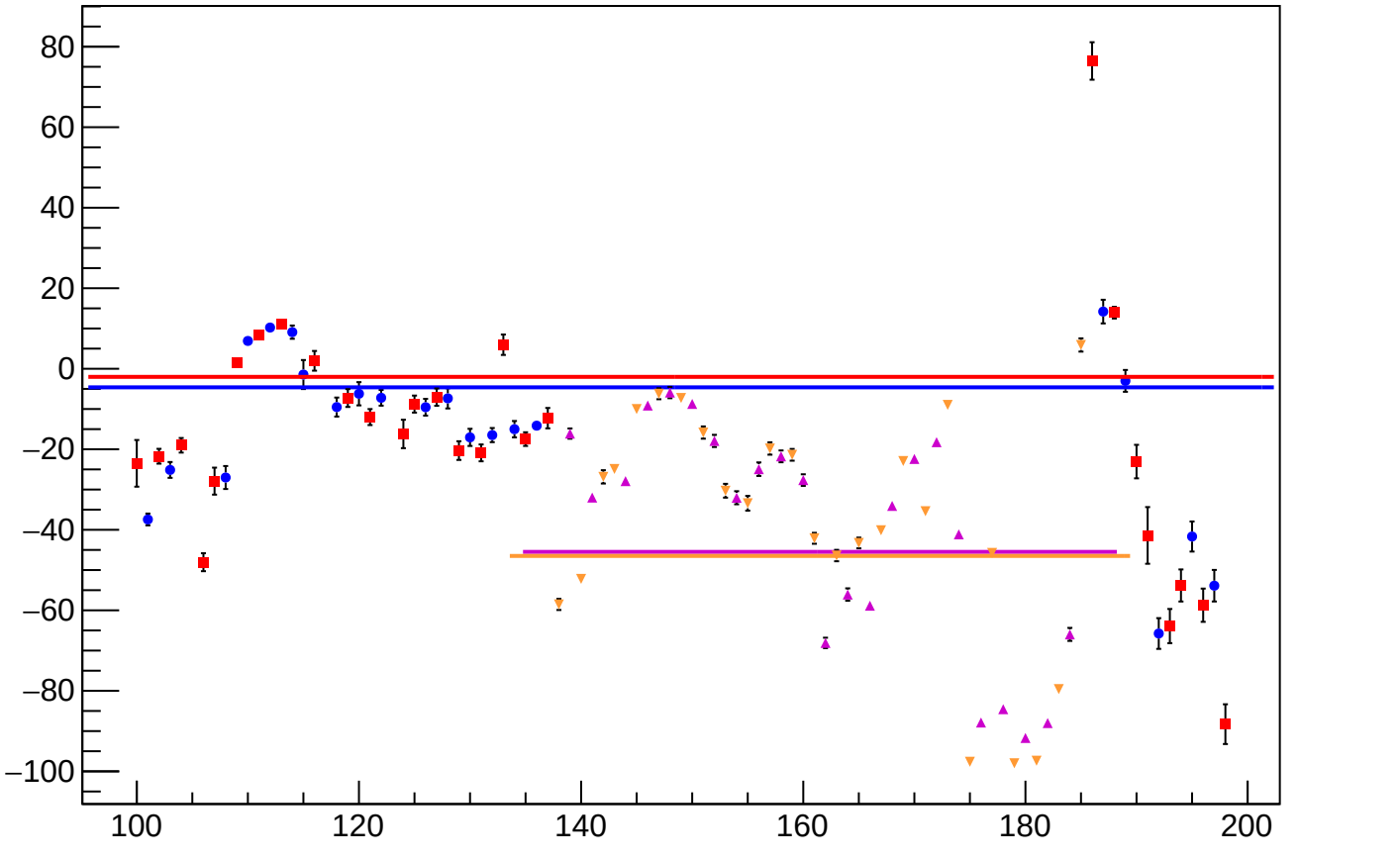
Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

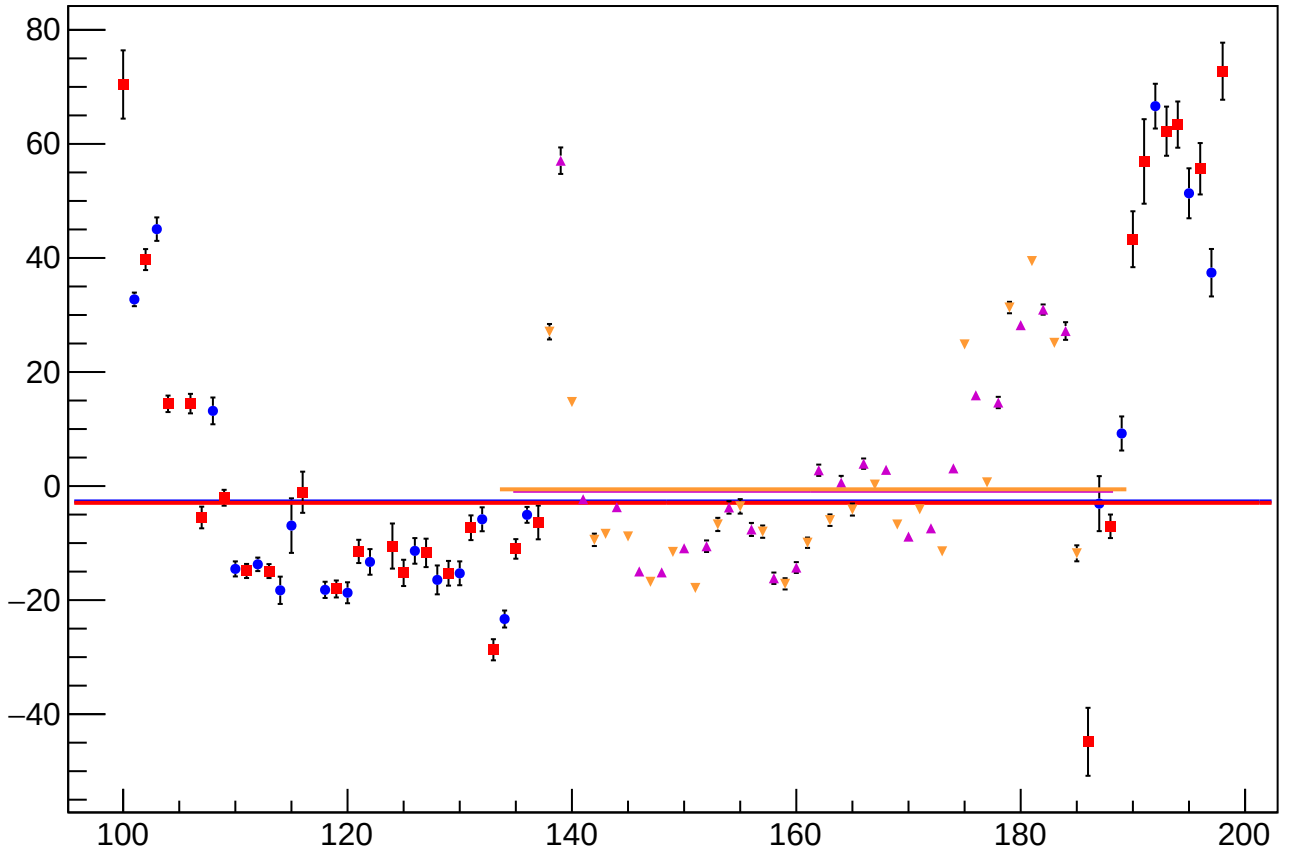
Right: 0.145+/-0.028 χ^2/NDF: 758.5/47

In: 0.910+/-0.012 χ^2/NDF:1445.5/43

Out: 0.930+/-0.012 χ^2/NDF:1774.7/51

All: 0.920+/-0.008 χ^2/NDF: 3221.7/95


reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: -4.615+/-0.365 χ²/NDF: 2091.7/20
Left Out: -46.493+/-0.230 χ²/NDF:20046.7/24
Right Out: -2.013+/-0.324 χ²/NDF: 2864.8/26
Left In: -45.487+/-0.238 χ²/NDF:15571.1/22
Left: -46.006+/-0.165 χ²/NDF: 35627.0/47
Right: -3.157+/-0.242 χ²/NDF: 4985.0/47
In: -33.320+/-0.199 χ²/NDF:26464.8/43
Out: -31.558+/-0.188 χ²/NDF:35460.4/51
All: -32.386+/-0.137 χ²/NDF: 61966.8/95



Right In: -2.698+/-0.418 χ^2/NDF: 2743.0/20

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -2.939+/-0.404 χ^2/NDF: 2647.0/26

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

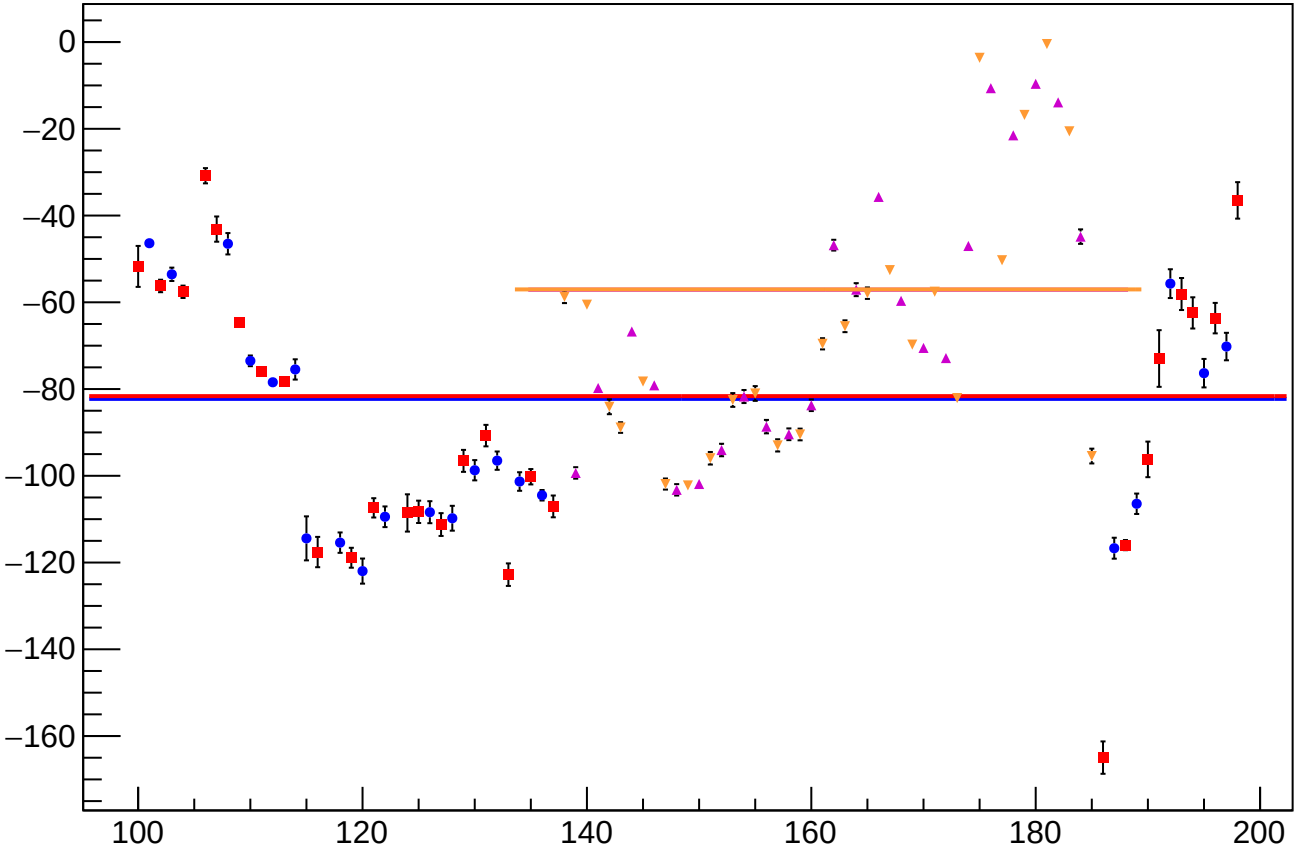
Right: -2.823+/-0.290 χ^2/NDF: 5390.2/47

In: -1.129+/-0.168 χ^2/NDF:8876.3/43

Out: -0.955+/-0.162 χ^2/NDF:11127.3/51

All: -1.039+/-0.117 χ^2/NDF: 20004.2/95

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -82.266+/-0.414 χ^2/NDF: 3268.2/20

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -81.635+/-0.380 χ^2/NDF: 4818.0/26

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

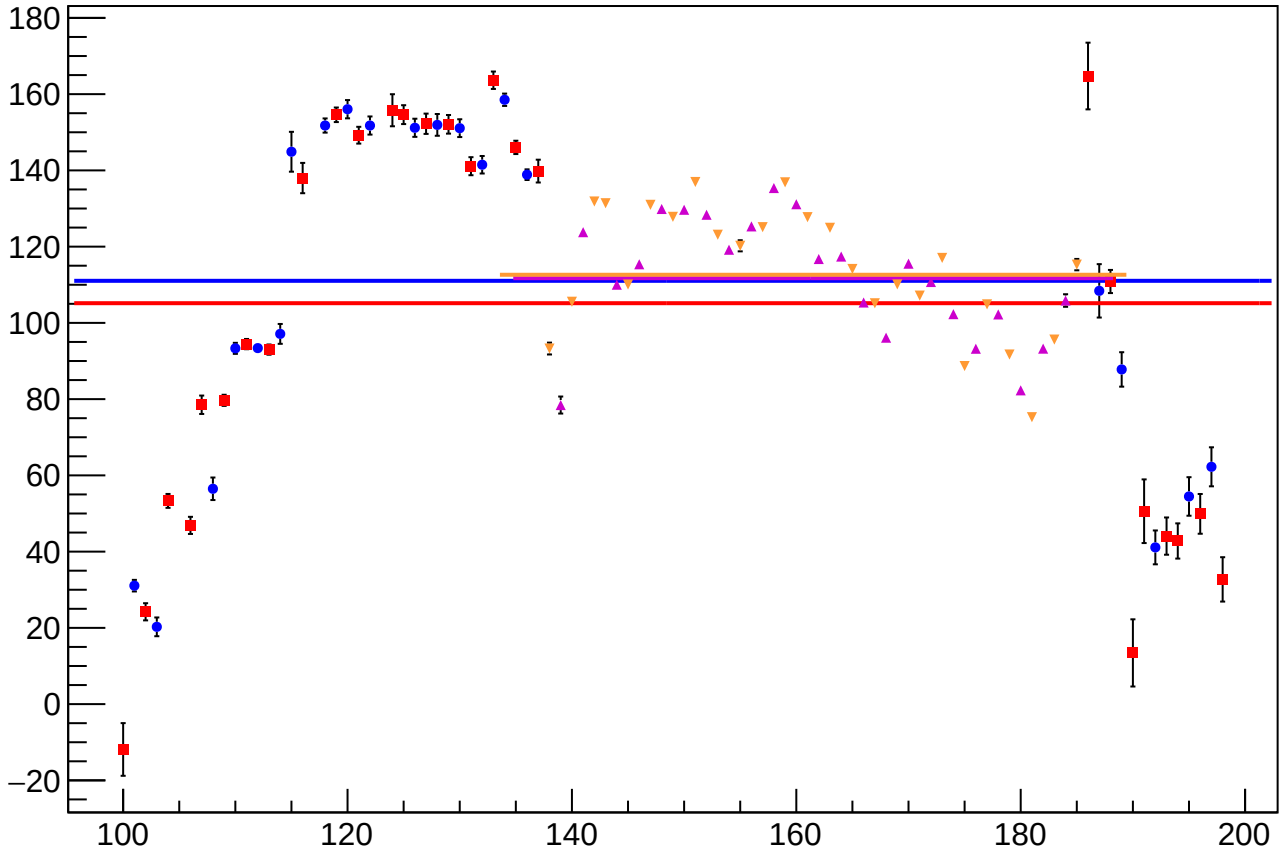
Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

Right: -81.923+/-0.280 χ^2/NDF: 8087.5/47

In: -63.292+/-0.205 χ^2/NDF:23224.9/43

Out: -63.623+/-0.197 χ^2/NDF:28197.7/51

All: -63.464+/-0.142 χ^2/NDF: 51424.0/95



Right In: 111.035+/-0.478 χ^2/NDF: 8713.5/20

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 105.165+/-0.463 χ^2/NDF: 8375.1/26

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

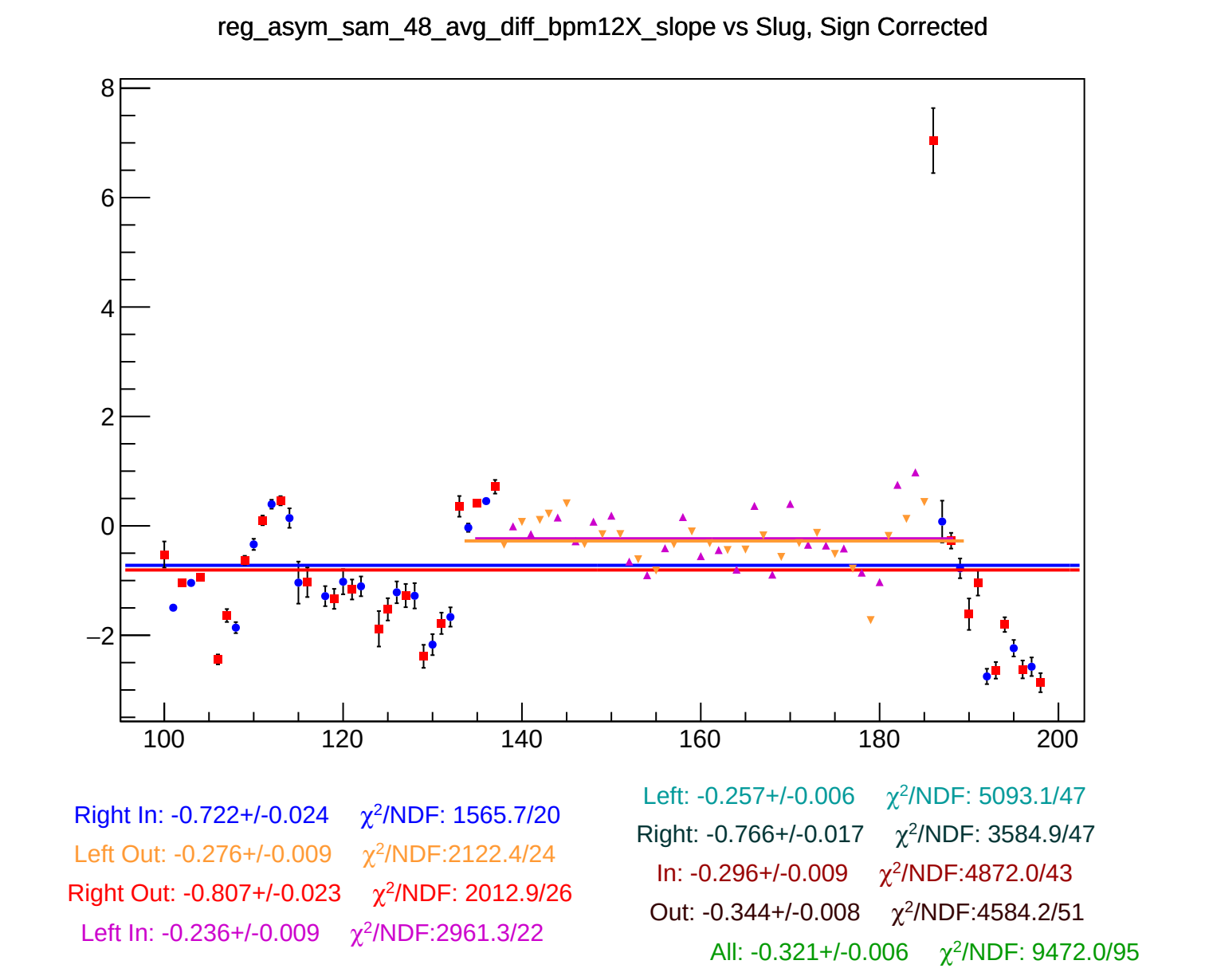
Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

Right: 108.010+/-0.333 χ^2/NDF: 17166.3/47

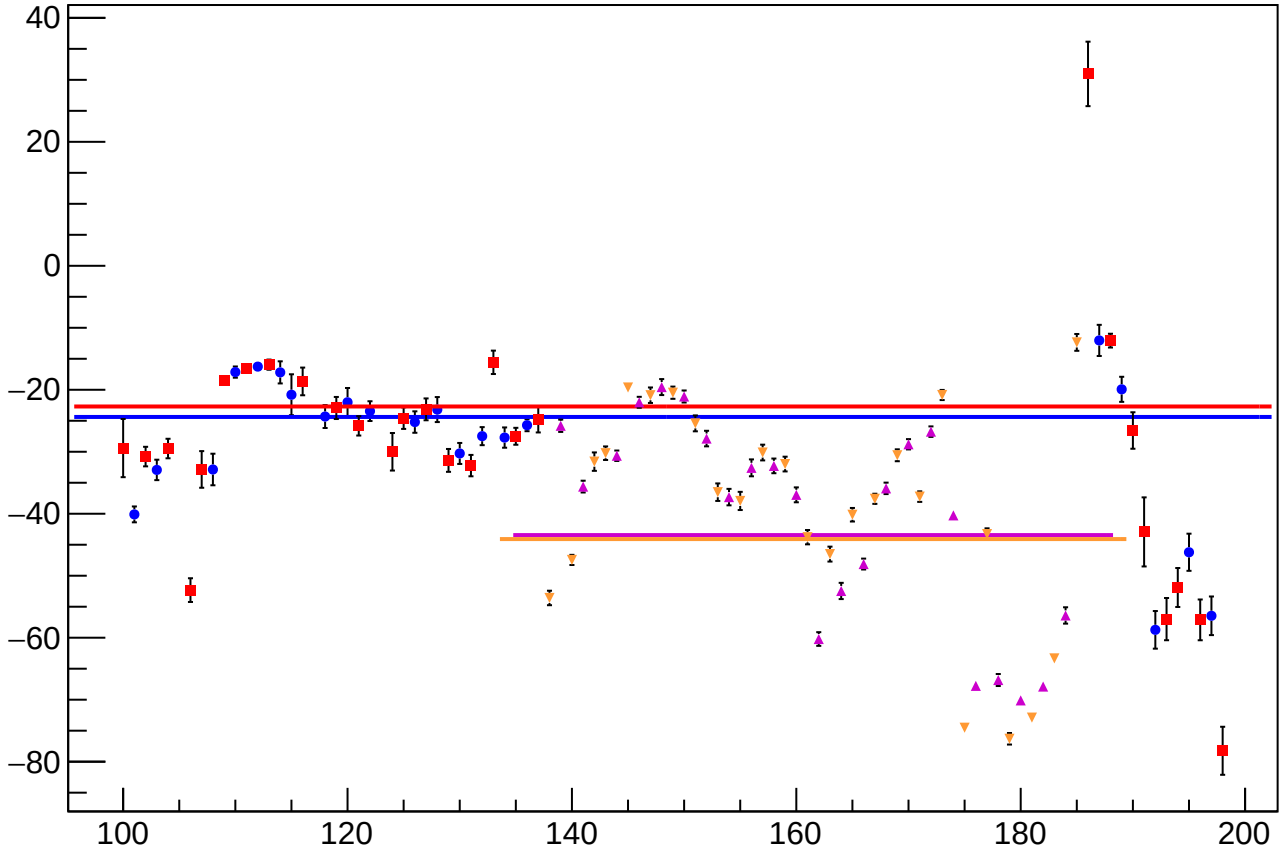
In: 111.613+/-0.189 χ^2/NDF:13612.0/43

Out: 111.454+/-0.184 χ^2/NDF:15301.5/51

All: 111.531+/-0.132 χ^2/NDF: 28913.9/95


reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: -0.722+/-0.024 χ²/NDF: 1565.7/20
Left Out: -0.276+/-0.009 χ²/NDF:2122.4/24
Right Out: -0.807+/-0.023 χ²/NDF: 2012.9/26
Left In: -0.236+/-0.009 χ²/NDF:2961.3/22
Left: -0.257+/-0.006 χ²/NDF: 5093.1/47
Right: -0.766+/-0.017 χ²/NDF: 3584.9/47
In: -0.296+/-0.009 χ²/NDF:4872.0/43
Out: -0.344+/-0.008 χ²/NDF:4584.2/51
All: -0.321+/-0.006 χ²/NDF: 9472.0/95

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -24.385+/-0.334 χ^2/NDF: 727.6/20

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -22.698+/-0.302 χ^2/NDF: 1268.3/26

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

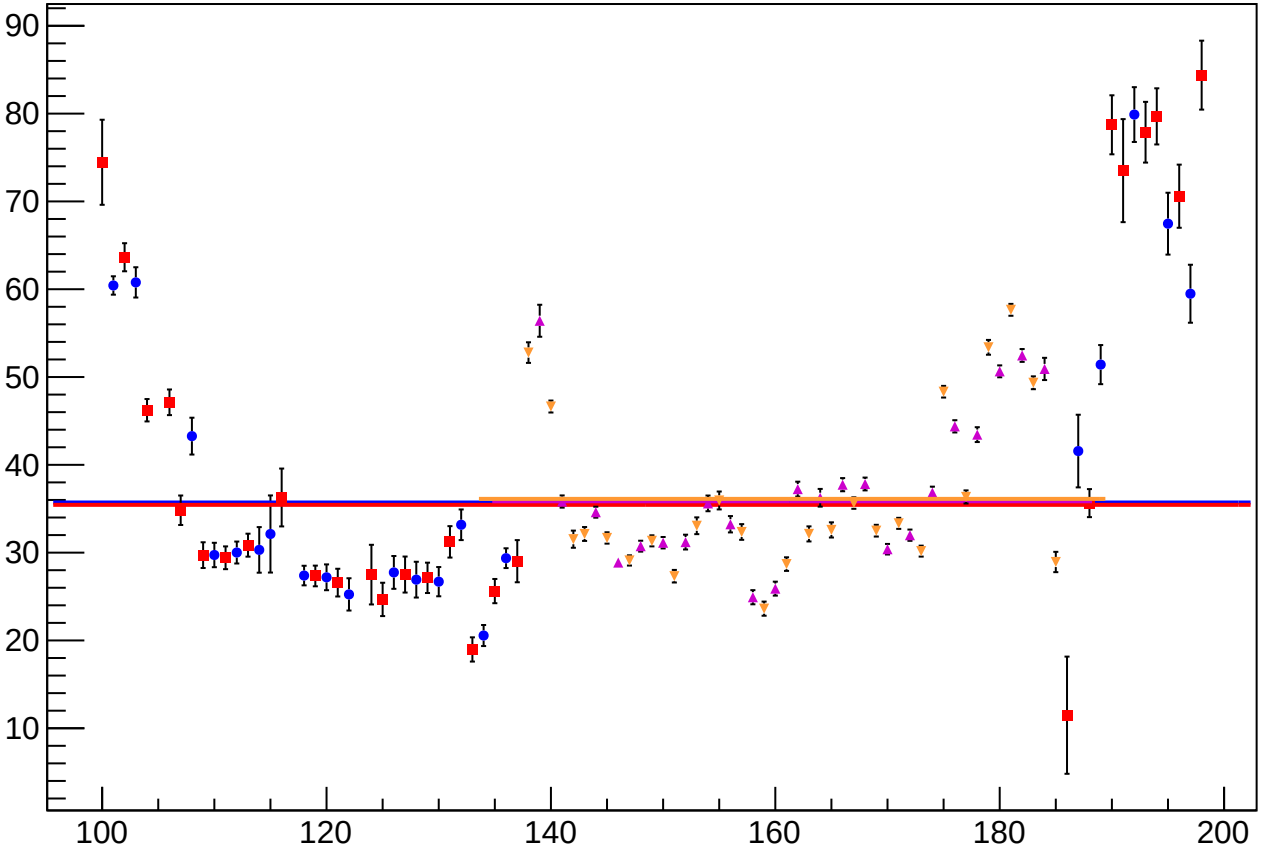
Right: -23.456+/-0.224 χ^2/NDF: 2009.9/47

In: -38.459+/-0.171 χ^2/NDF:10953.9/43

Out: -37.870+/-0.163 χ^2/NDF:15178.1/51

All: -38.150+/-0.118 χ^2/NDF: 26138.3/95

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 35.710+/-0.362 χ^2/NDF: 1592.7/20

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 35.444+/-0.352 χ^2/NDF: 1735.0/26

Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

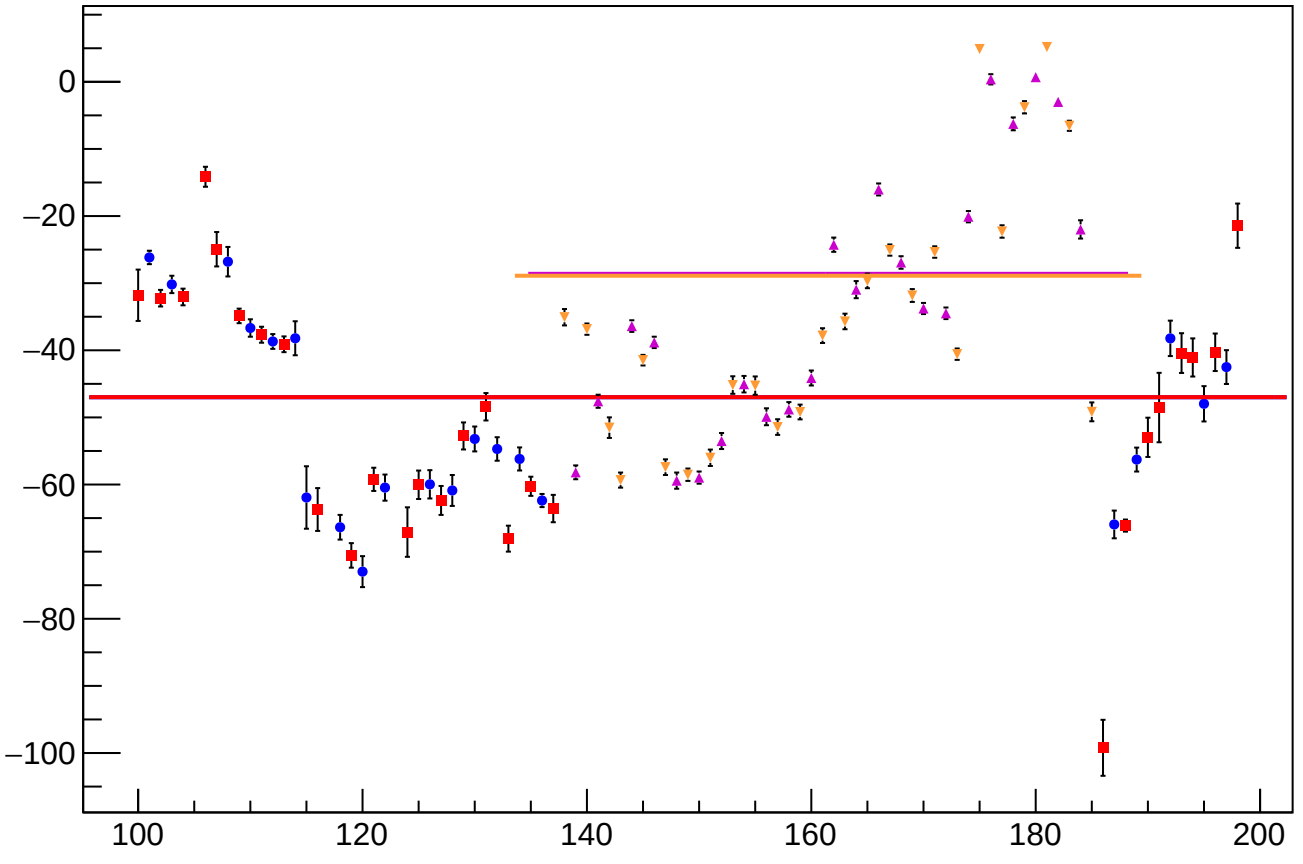
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 35.573+/-0.252 χ^2/NDF: 3328.0/47

In: 35.830+/-0.142 χ^2/NDF:3886.3/43

Out: 36.019+/-0.138 χ^2/NDF:5296.7/51

All: 35.927+/-0.099 χ^2/NDF: 9183.9/95



Right In: -47.001+/-0.363 χ^2/NDF: 1619.9/20

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -46.983+/-0.335 χ^2/NDF: 2425.9/26

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

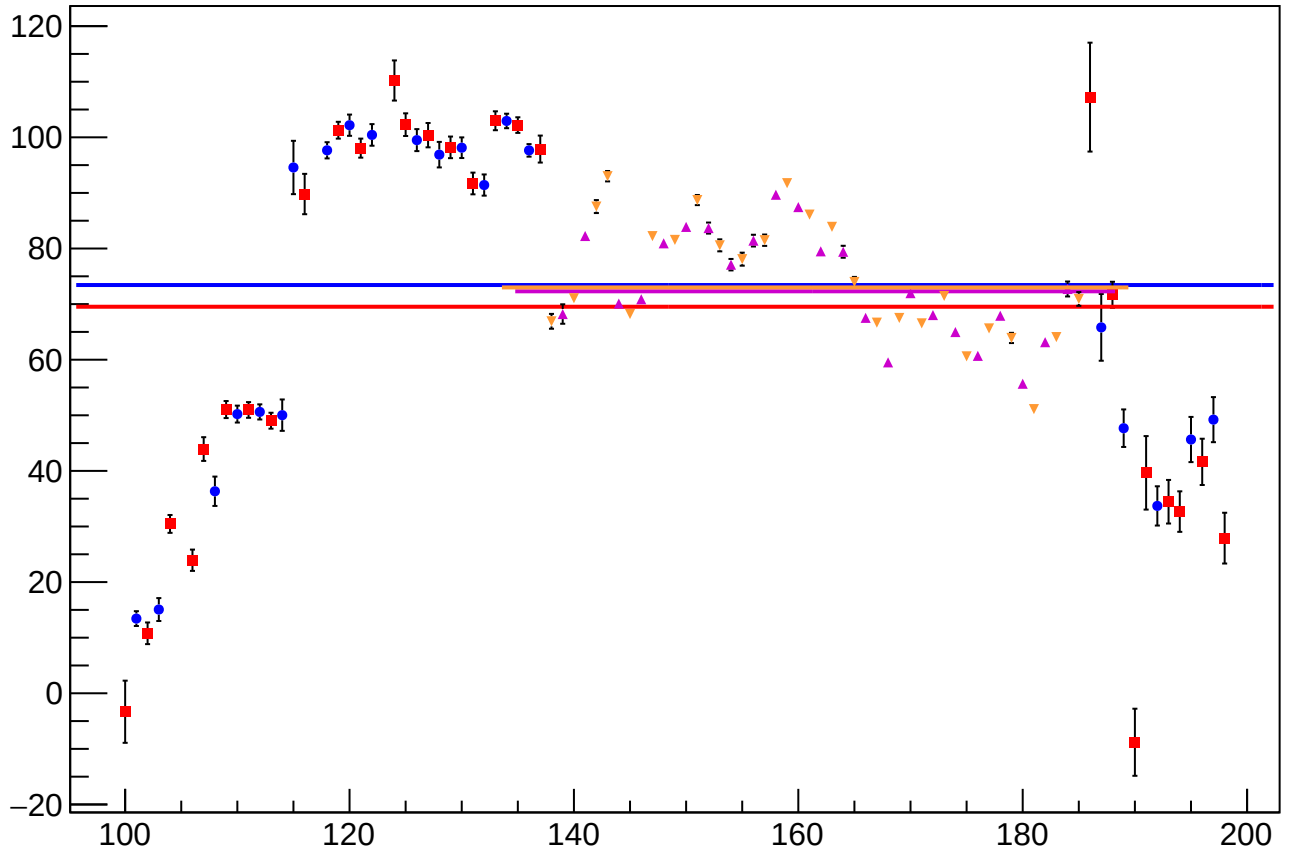
Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

Right: -46.991+/-0.246 χ^2/NDF: 4045.8/47

In: -32.810+/-0.174 χ^2/NDF:13612.4/43

Out: -33.384+/-0.167 χ^2/NDF:16412.1/51

All: -33.108+/-0.120 χ^2/NDF: 30030.2/95



Right In: 73.433+/-0.415 χ^2/NDF: 6111.3/20

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 69.528+/-0.408 χ^2/NDF: 6164.0/26

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

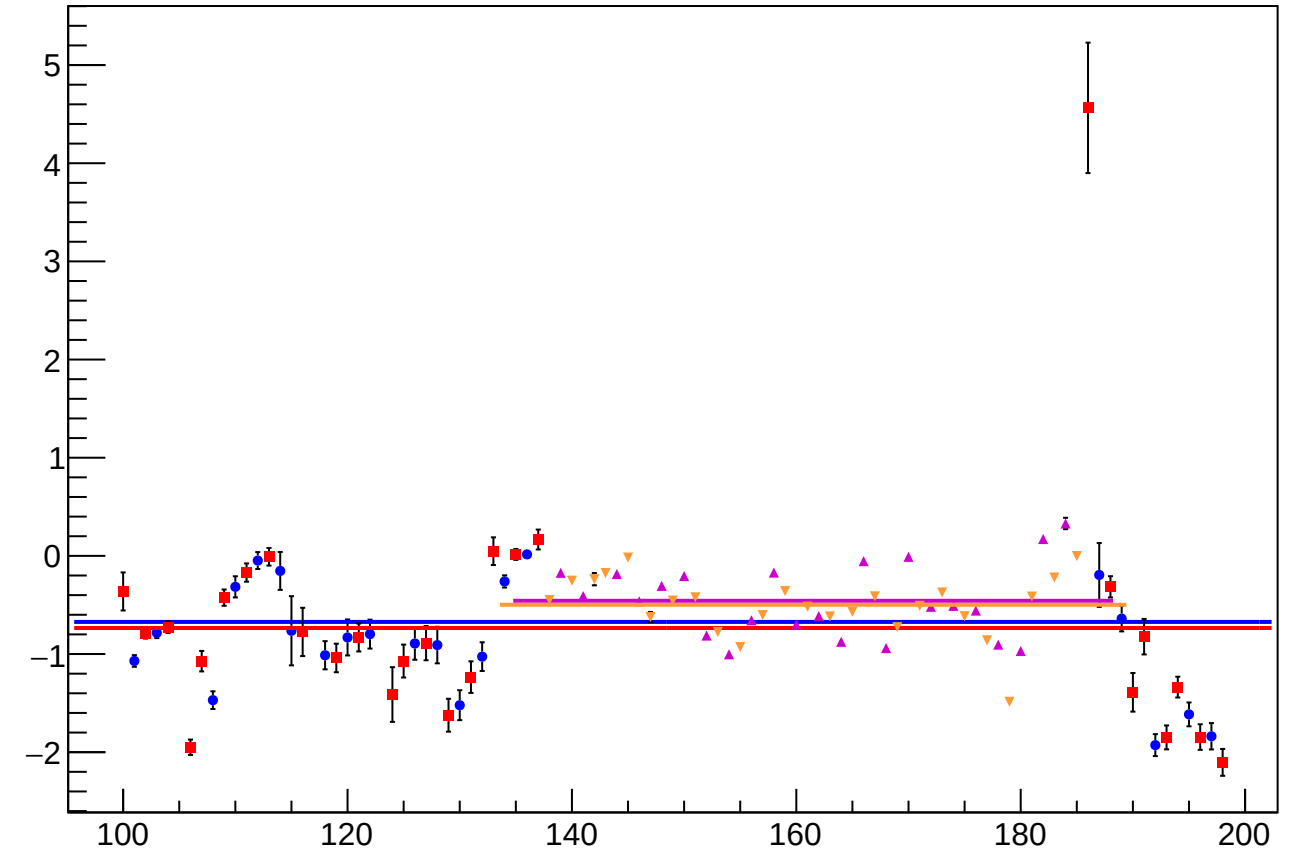
Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

Right: 71.444+/-0.291 χ^2/NDF: 12320.3/47

In: 72.470+/-0.160 χ^2/NDF:9030.2/43

Out: 72.496+/-0.156 χ^2/NDF:10278.4/51

All: 72.483+/-0.112 χ^2/NDF: 19308.6/95



Right In: -0.673+/-0.021 χ^2/NDF: 781.4/20

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.735+/-0.020 χ^2/NDF: 1096.7/26

Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

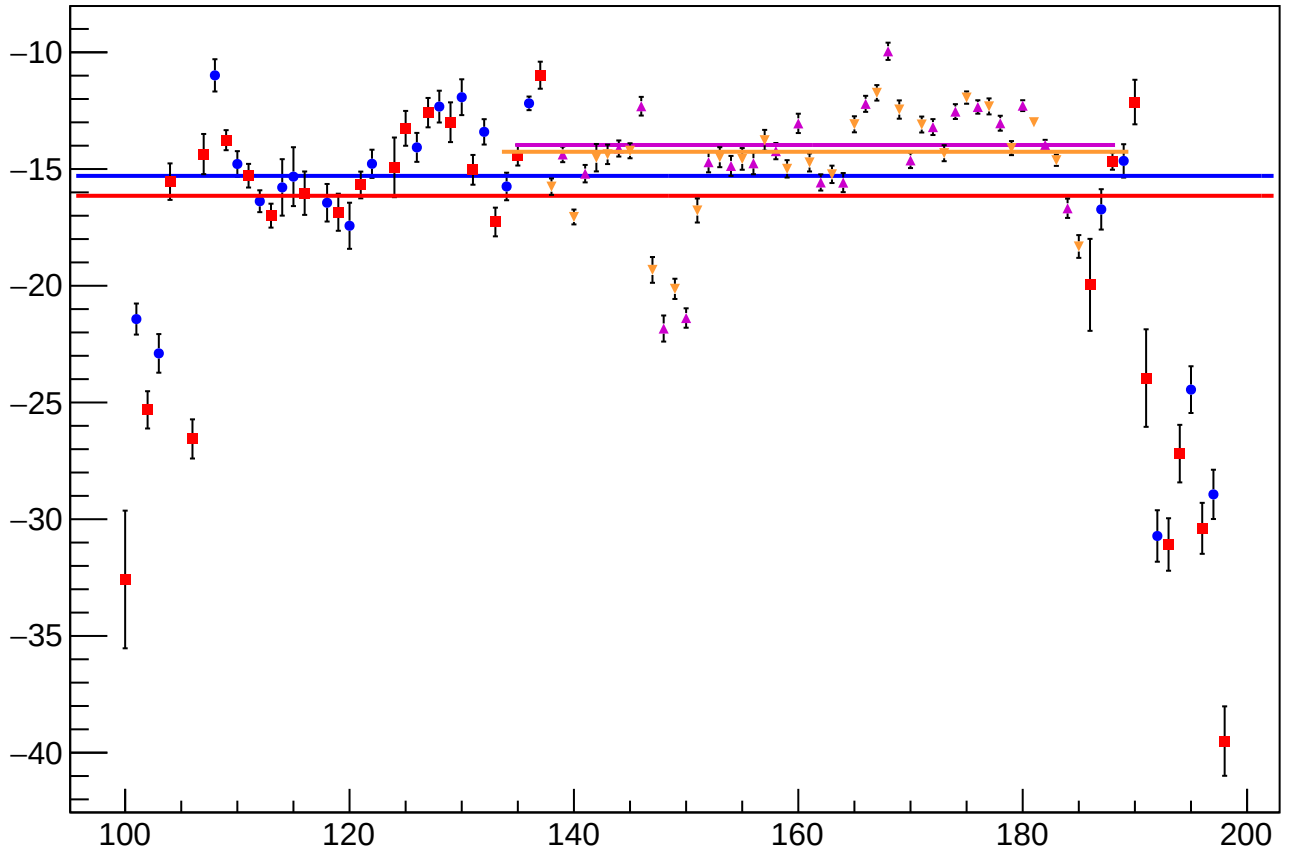
Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

Right: -0.705+/-0.015 χ^2/NDF: 1882.6/47

In: -0.483+/-0.007 χ^2/NDF:2978.2/43

Out: -0.527+/-0.007 χ^2/NDF:2699.9/51

All: -0.505+/-0.005 χ^2/NDF: 5696.9/95



Right In: -15.293+/-0.140 χ^2/NDF: 840.2/20

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.146+/-0.133 χ^2/NDF: 1248.0/26

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

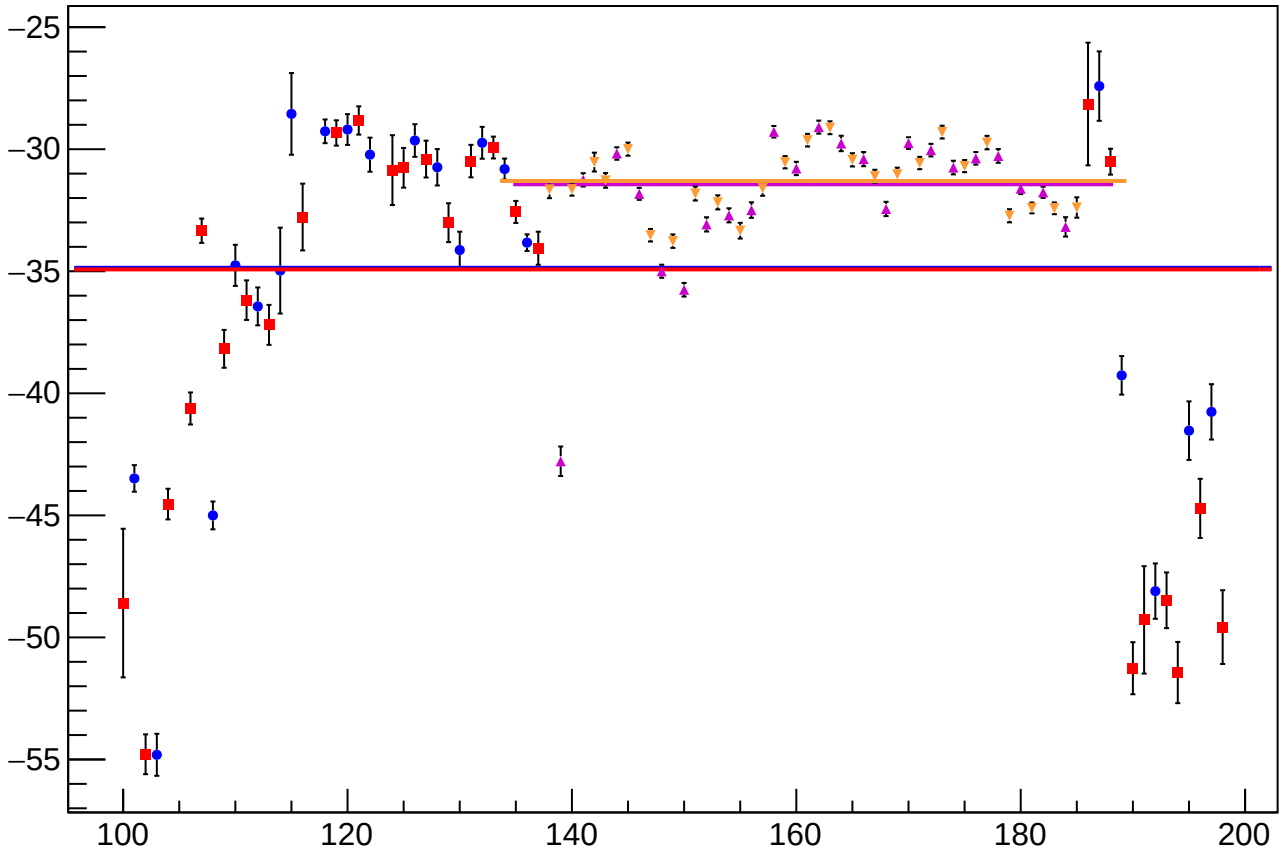
Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

Right: -15.741+/-0.097 χ^2/NDF: 2107.6/47

In: -14.245+/-0.064 χ^2/NDF:1818.4/43

Out: -14.665+/-0.062 χ^2/NDF:2129.0/51

All: -14.462+/-0.044 χ^2/NDF: 3969.6/95



Right In: -34.859+/-0.146 χ^2/NDF: 1885.9/20

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -34.924+/-0.142 χ^2/NDF: 2290.3/26

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

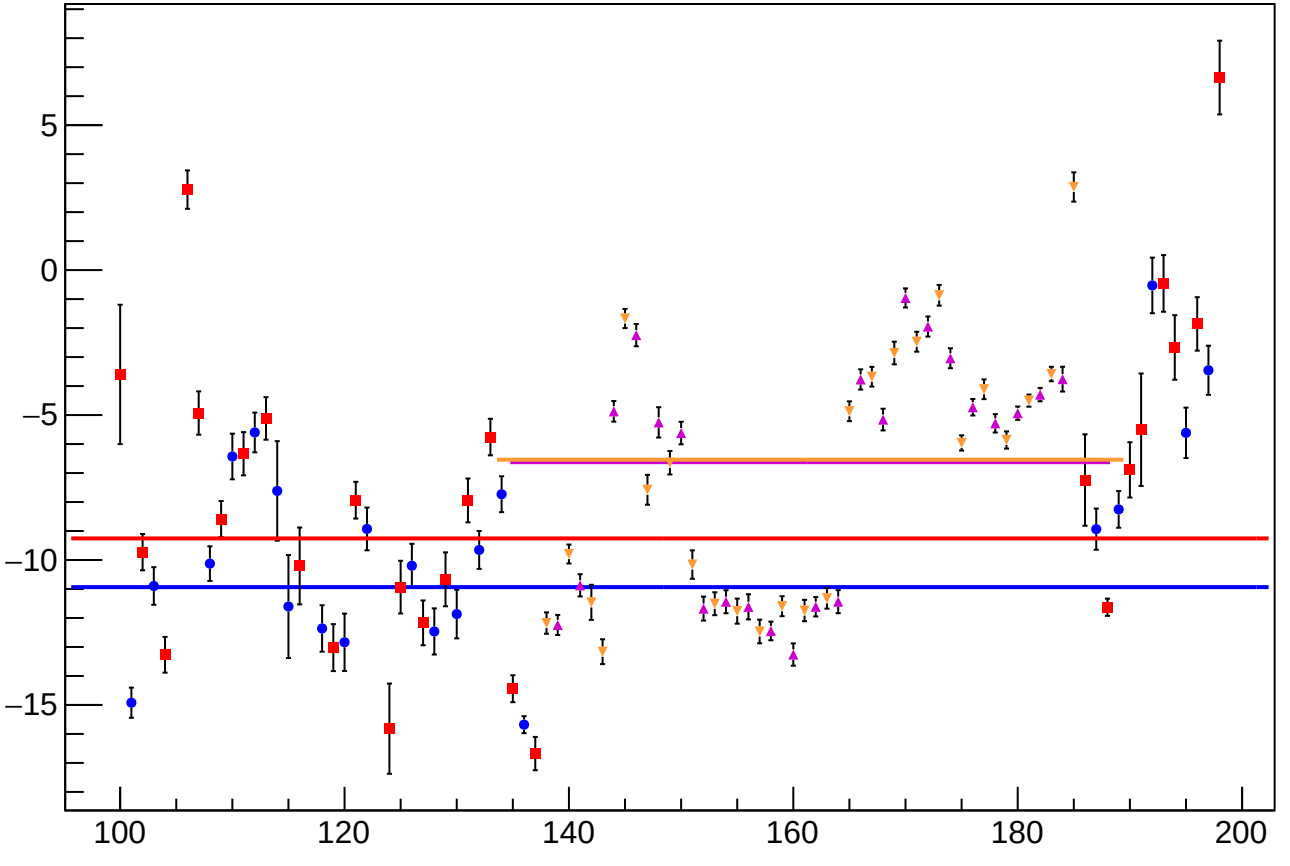
Right: -34.892+/-0.102 χ^2/NDF: 4176.3/47

In: -31.893+/-0.053 χ^2/NDF:3577.0/43

Out: -31.775+/-0.051 χ^2/NDF:3407.3/51

All: -31.832+/-0.037 χ^2/NDF: 6986.9/95

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -10.935+/-0.145 χ^2/NDF: 728.9/20

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -9.255+/-0.137 χ^2/NDF: 1262.0/26

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

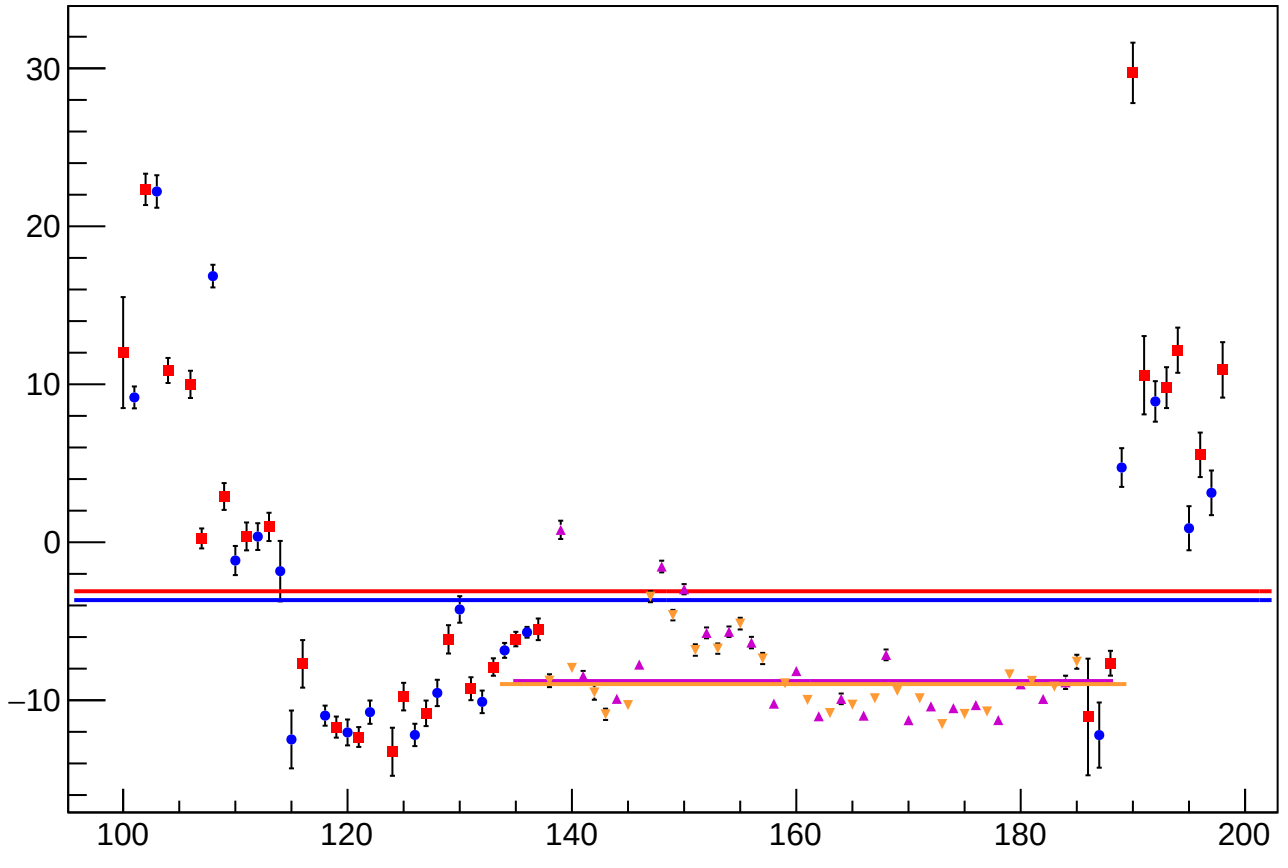
Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

Right: -10.044+/-0.100 χ^2/NDF: 2061.7/47

In: -7.463+/-0.064 χ^2/NDF:4344.5/43

Out: -7.097+/-0.062 χ^2/NDF:4817.4/51

All: -7.274+/-0.045 χ^2/NDF: 9178.7/95



Right In: -3.661+/-0.166 χ^2/NDF: 2727.4/20

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -3.101+/-0.166 χ^2/NDF: 2810.8/26

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

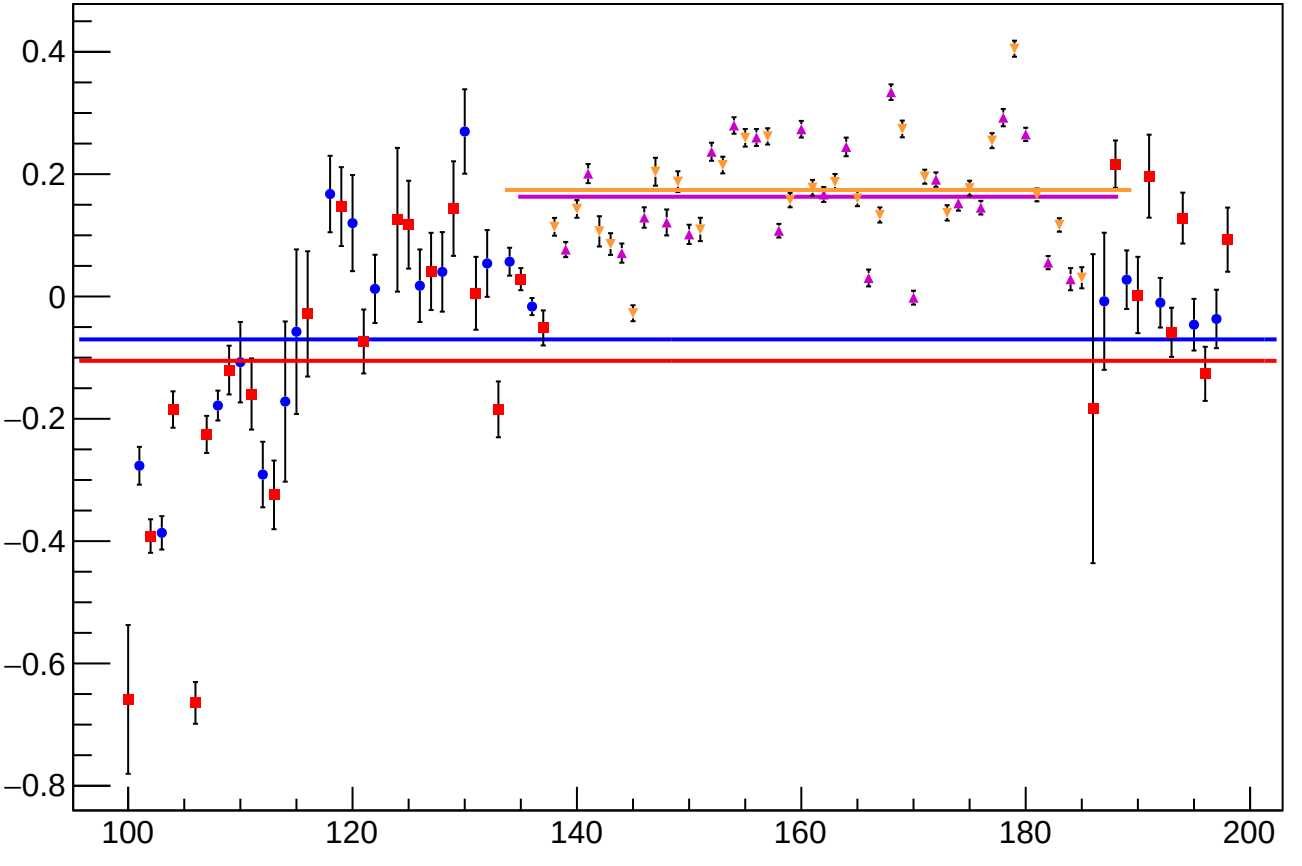
Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

Right: -3.381+/-0.117 χ^2/NDF: 5543.9/47

In: -8.132+/-0.059 χ^2/NDF:5245.2/43

Out: -8.269+/-0.058 χ^2/NDF:4885.6/51

All: -8.202+/-0.041 χ^2/NDF: 10133.5/95



Right In: -0.070+/-0.008 χ^2/NDF: 327.2/20

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.105+/-0.008 χ^2/NDF: 687.3/26

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

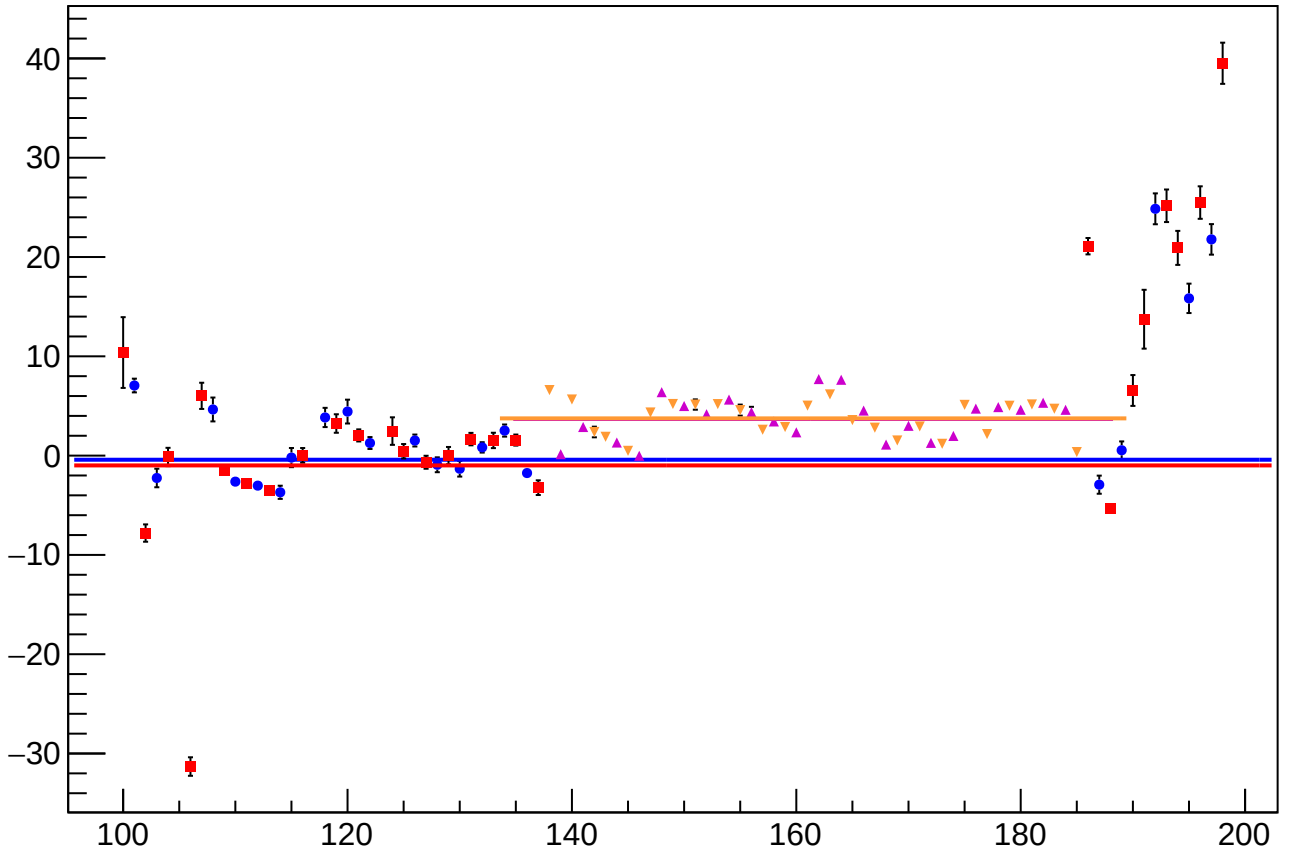
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: -0.087+/-0.006 χ^2/NDF: 1024.0/47

In: 0.138+/-0.003 χ^2/NDF:2286.1/43

Out: 0.146+/-0.003 χ^2/NDF:2687.2/51

All: 0.142+/-0.002 χ^2/NDF: 4977.6/95



Right In: -0.415+/-0.132 χ^2/NDF: 993.8/20

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -0.987+/-0.121 χ^2/NDF: 3286.2/26

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

Left: 3.720+/-0.044 χ^2/NDF: 1763.6/47

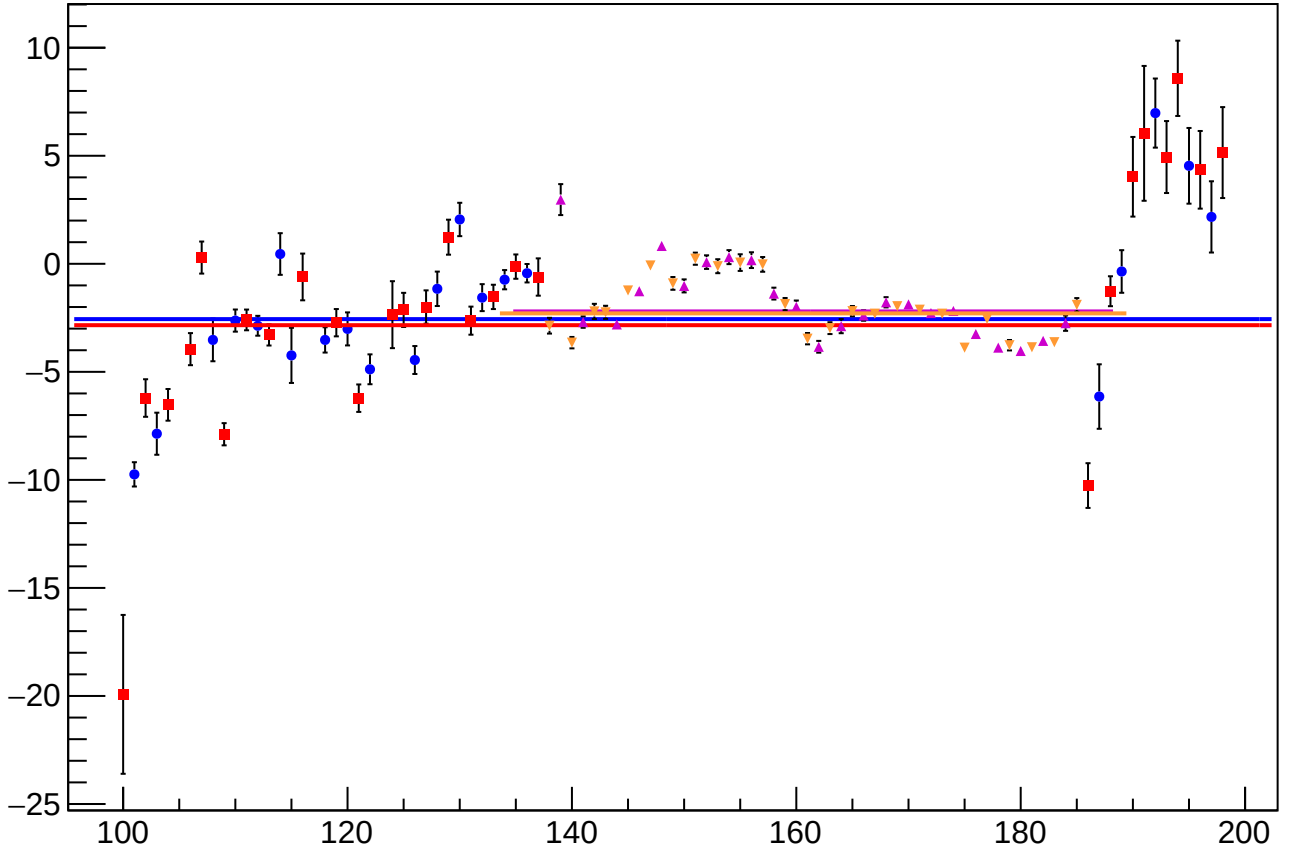
Right: -0.726+/-0.089 χ^2/NDF: 4290.2/47

In: 2.910+/-0.058 χ^2/NDF:2729.2/43

Out: 2.767+/-0.055 χ^2/NDF:5308.2/51

All: 2.835+/-0.040 χ^2/NDF: 8040.6/95

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.560+/-0.152 χ^2/NDF: 382.8/20

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -2.841+/-0.149 χ^2/NDF: 448.7/26

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

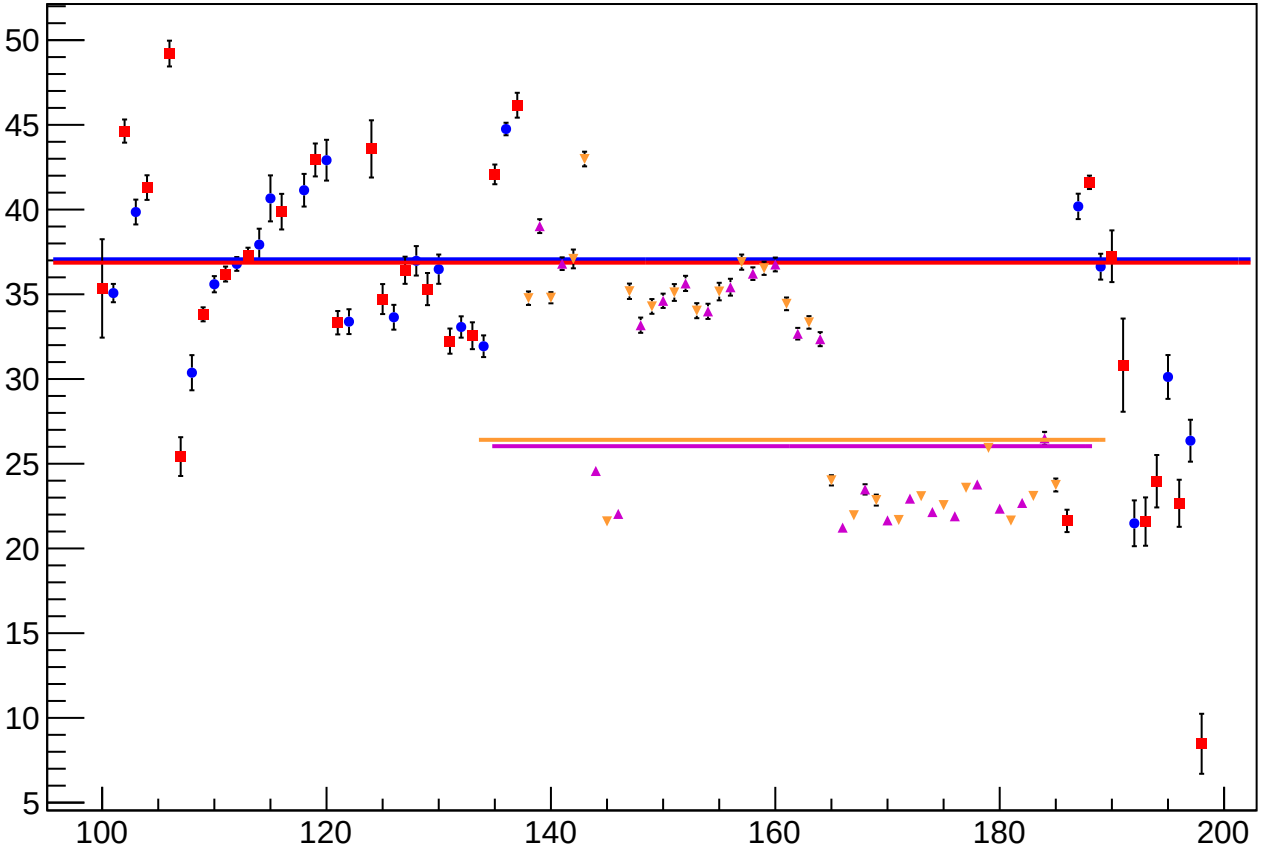
Right: -2.702+/-0.106 χ^2/NDF: 833.2/47

In: -2.240+/-0.048 χ^2/NDF:1112.4/43

Out: -2.349+/-0.047 χ^2/NDF:1092.2/51

All: -2.296+/-0.034 χ^2/NDF: 2207.3/95

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 37.065+/-0.151 χ^2/NDF: 966.8/20

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.867+/-0.141 χ^2/NDF: 2221.8/26

Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

Left: 26.228+/-0.045 χ^2/NDF: 17082.8/47

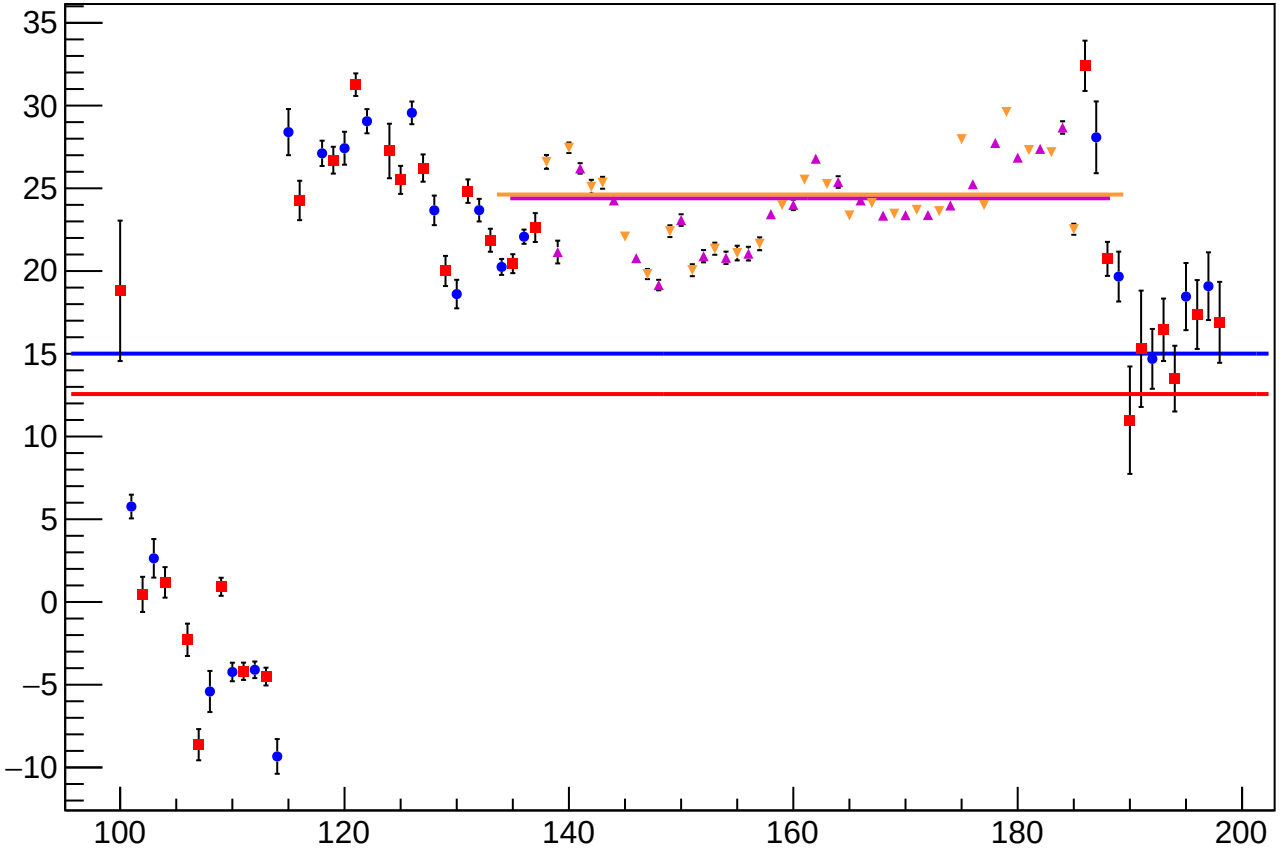
Right: 36.959+/-0.103 χ^2/NDF: 3189.5/47

In: 27.715+/-0.059 χ^2/NDF:13348.2/43

Out: 28.119+/-0.057 χ^2/NDF:16047.8/51

All: 27.923+/-0.041 χ^2/NDF: 29420.3/95

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 15.010+/-0.170 χ^2/NDF: 5740.4/20

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.566+/-0.170 χ^2/NDF: 6364.6/26

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

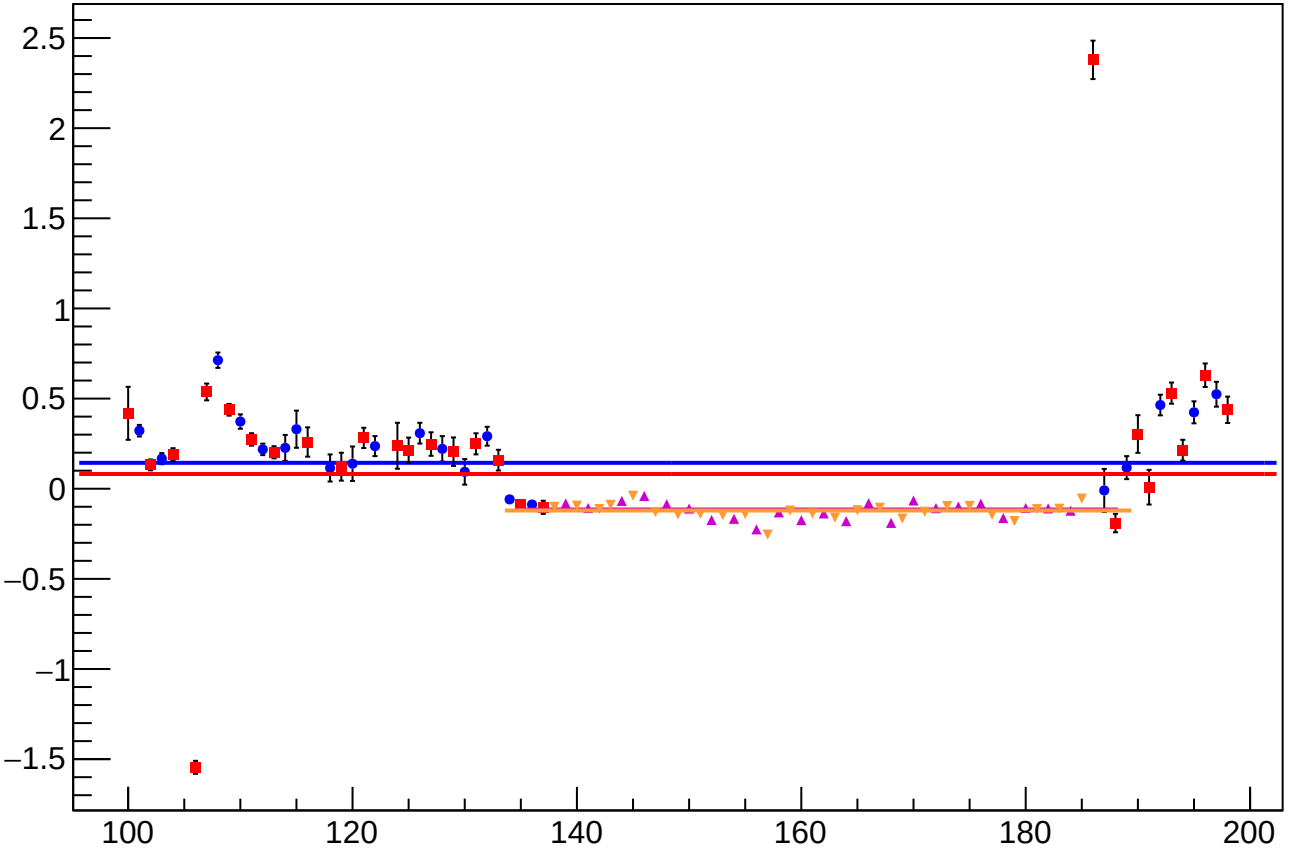
Right: 13.789+/-0.120 χ^2/NDF: 12207.9/47

In: 23.467+/-0.054 χ^2/NDF:10196.3/43

Out: 23.479+/-0.052 χ^2/NDF:12851.2/51

All: 23.473+/-0.037 χ^2/NDF: 23047.5/95

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.144+/-0.009 χ^2/NDF: 609.7/20

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.082+/-0.009 χ^2/NDF: 3092.8/26

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

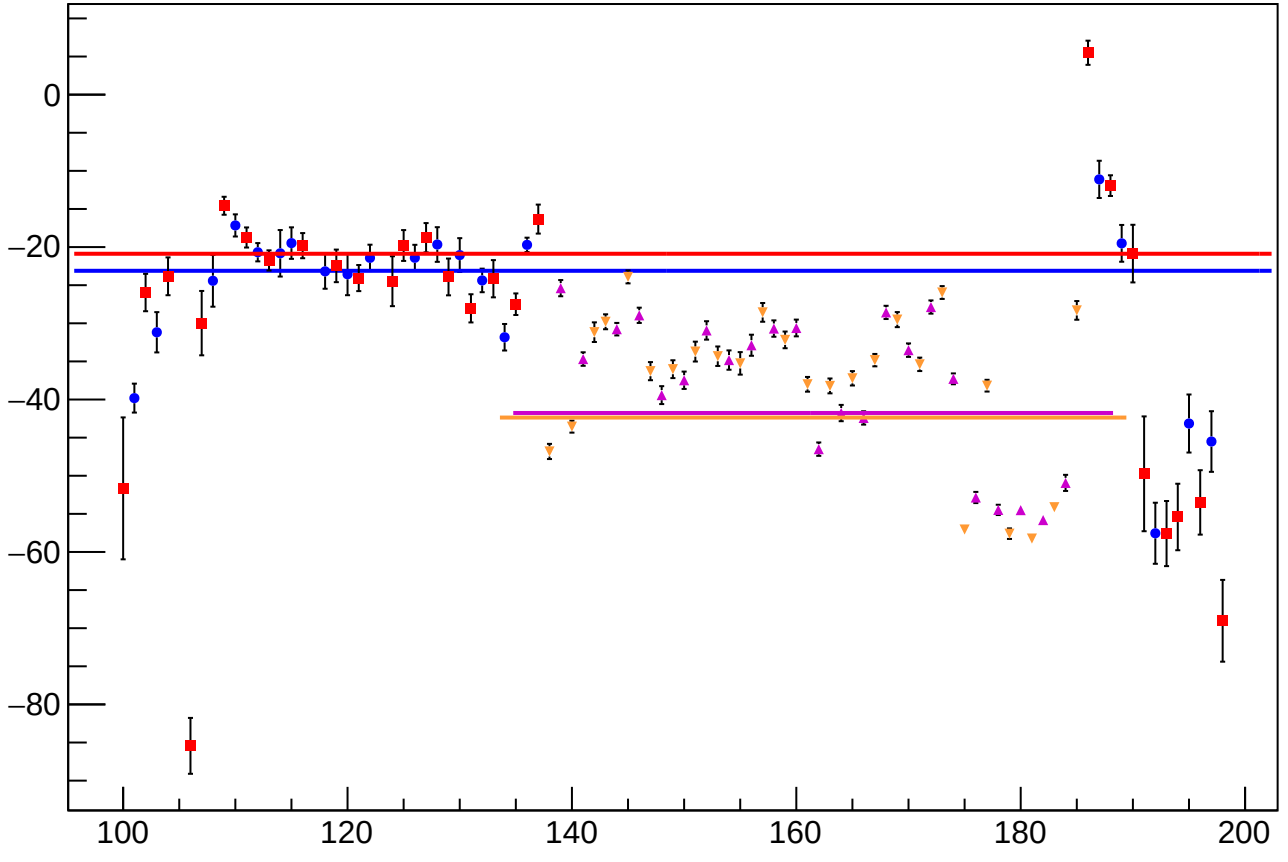
Right: 0.113+/-0.006 χ^2/NDF: 3726.2/47

In: -0.097+/-0.002 χ^2/NDF:1671.4/43

Out: -0.107+/-0.002 χ^2/NDF:3819.3/51

All: -0.102+/-0.002 χ^2/NDF: 5500.1/95

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.111+/-0.414 χ^2/NDF: 315.1/20

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -20.876+/-0.392 χ^2/NDF: 1027.4/26

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

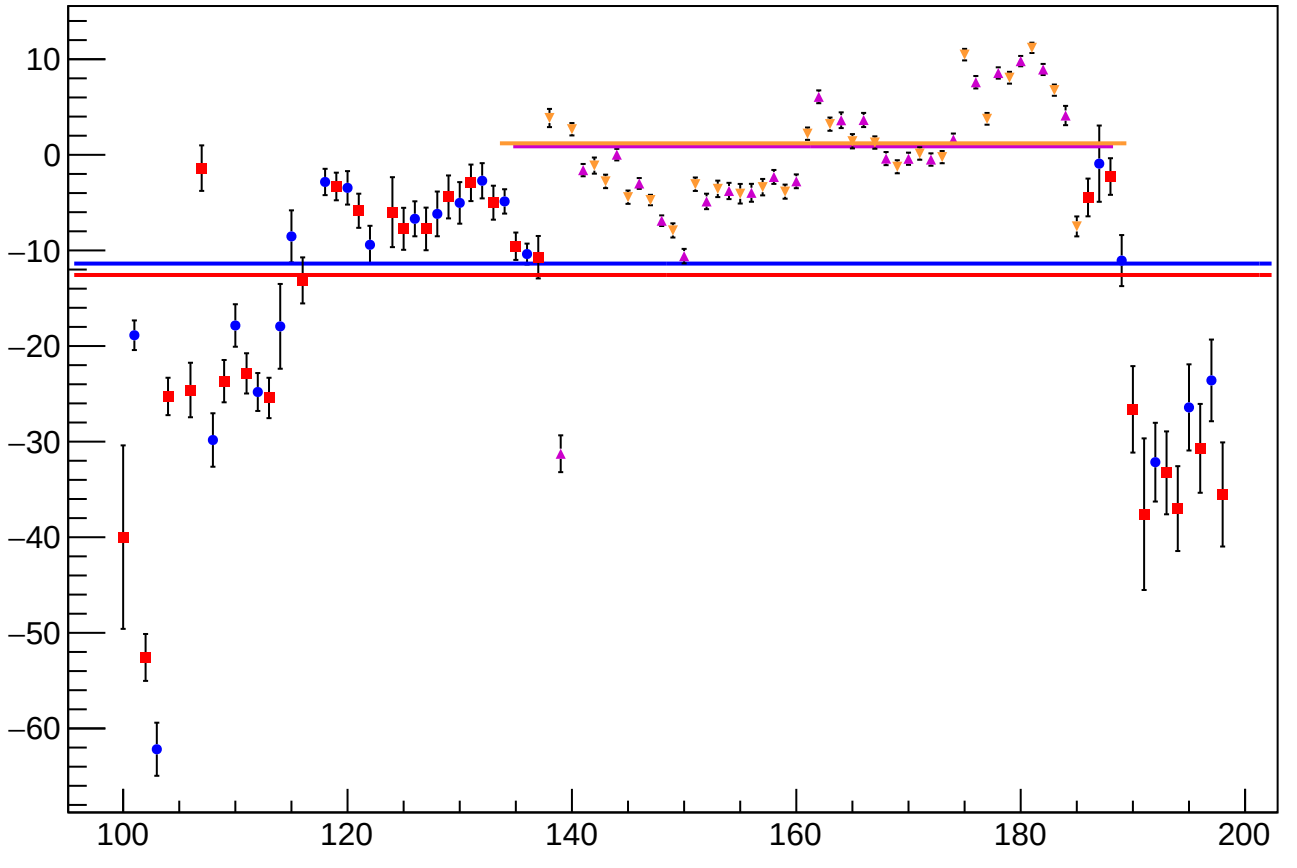
Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

Right: -21.932+/-0.285 χ^2/NDF: 1357.8/47

In: -38.753+/-0.166 χ^2/NDF:5475.1/43

Out: -38.789+/-0.160 χ^2/NDF:8008.8/51

All: -38.772+/-0.115 χ^2/NDF: 13483.9/95



Right In: -11.376+/-0.437 χ^2/NDF: 639.7/20

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -12.569+/-0.443 χ^2/NDF: 723.8/26

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

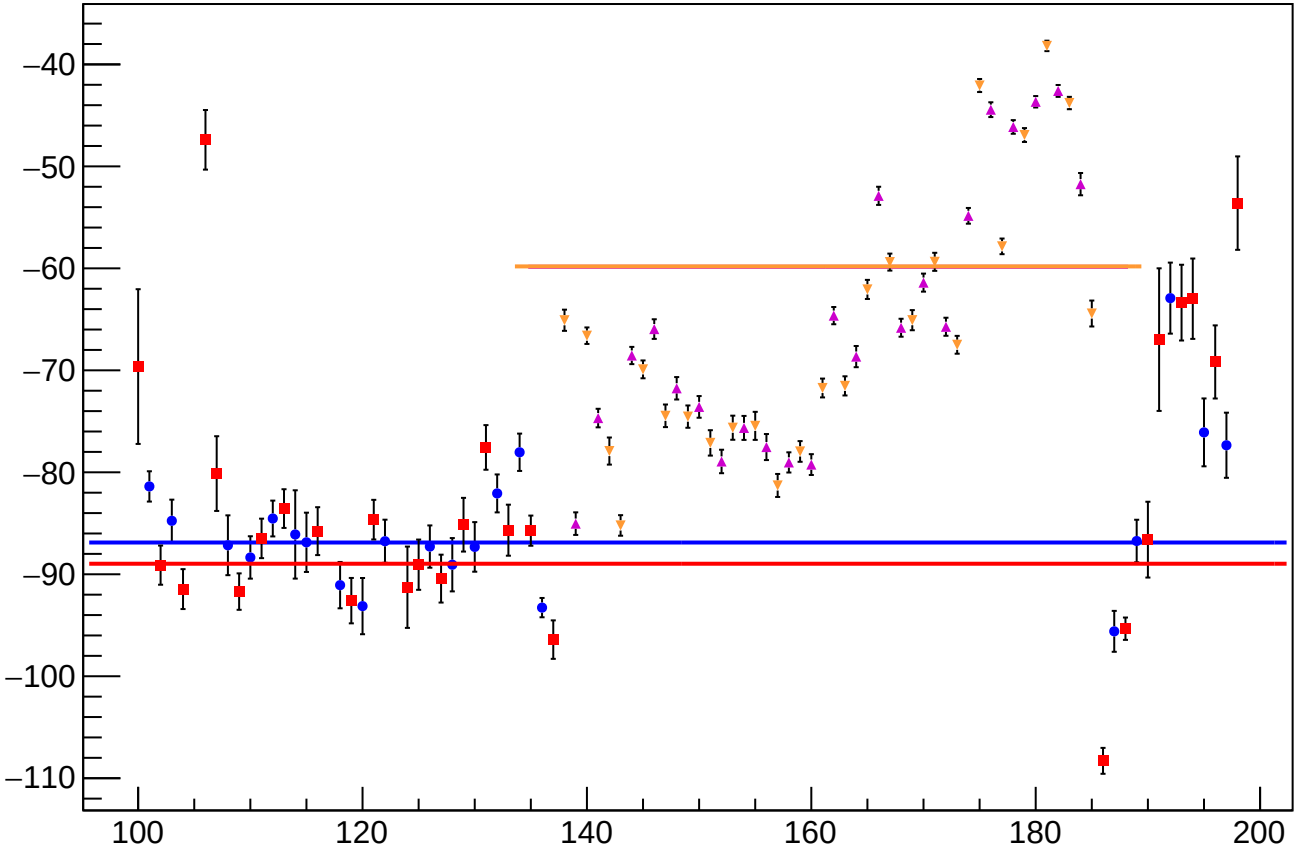
Right: -11.964+/-0.311 χ^2/NDF: 1367.2/47

In: -0.295+/-0.136 χ^2/NDF:3114.4/43

Out: -0.018+/-0.132 χ^2/NDF:3068.6/51

All: -0.152+/-0.095 χ^2/NDF: 6185.2/95

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -86.885+/-0.444 χ^2/NDF: 187.6/20

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -88.967+/-0.418 χ^2/NDF: 746.5/26

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

Left: -59.827+/-0.126 χ^2/NDF: 12179.2/47

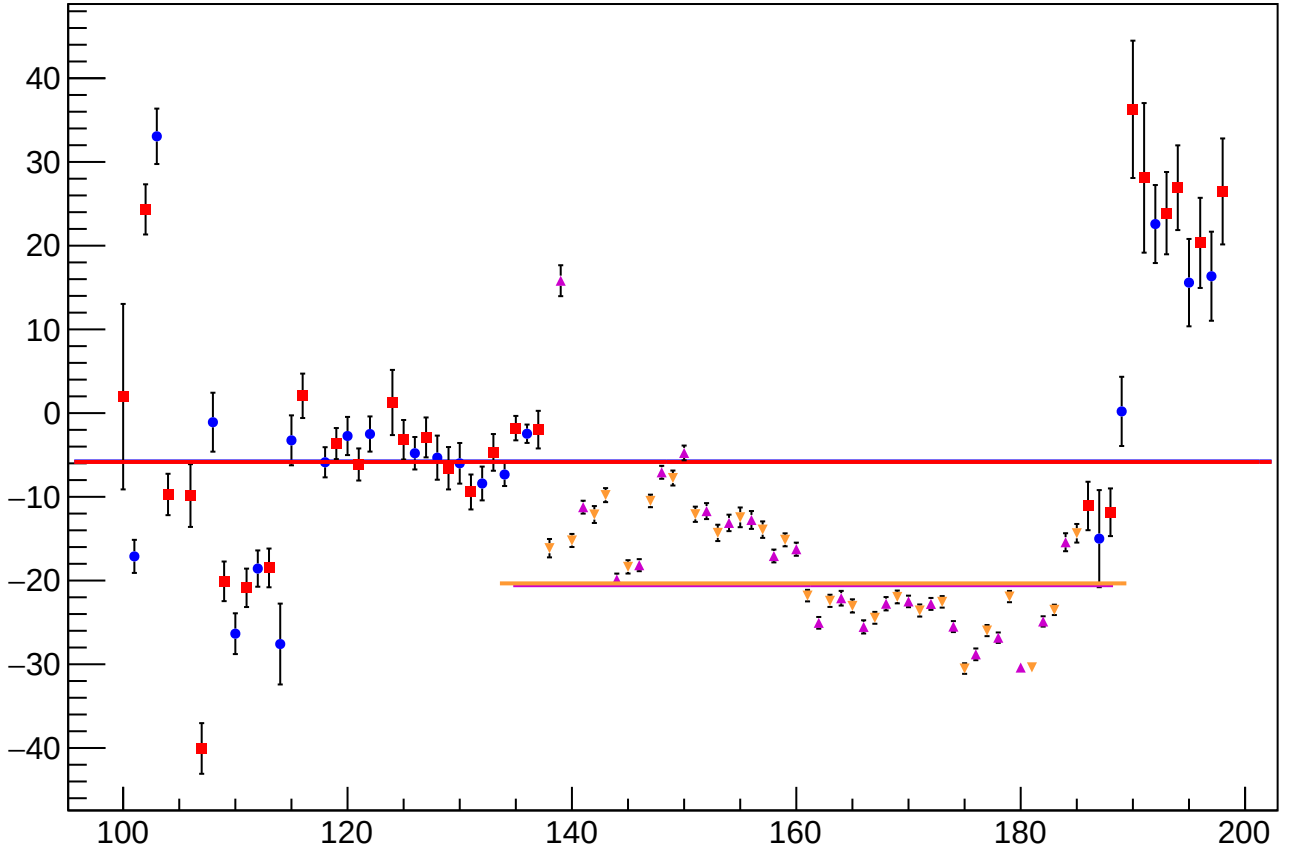
Right: -87.987+/-0.304 χ^2/NDF: 945.8/47

In: -63.706+/-0.168 χ^2/NDF:8904.9/43

Out: -64.165+/-0.162 χ^2/NDF:11524.3/51

All: -63.944+/-0.116 χ^2/NDF: 20433.1/95

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.775+/-0.495 χ^2/NDF: 391.9/20

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -5.834+/-0.512 χ^2/NDF: 549.5/26

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

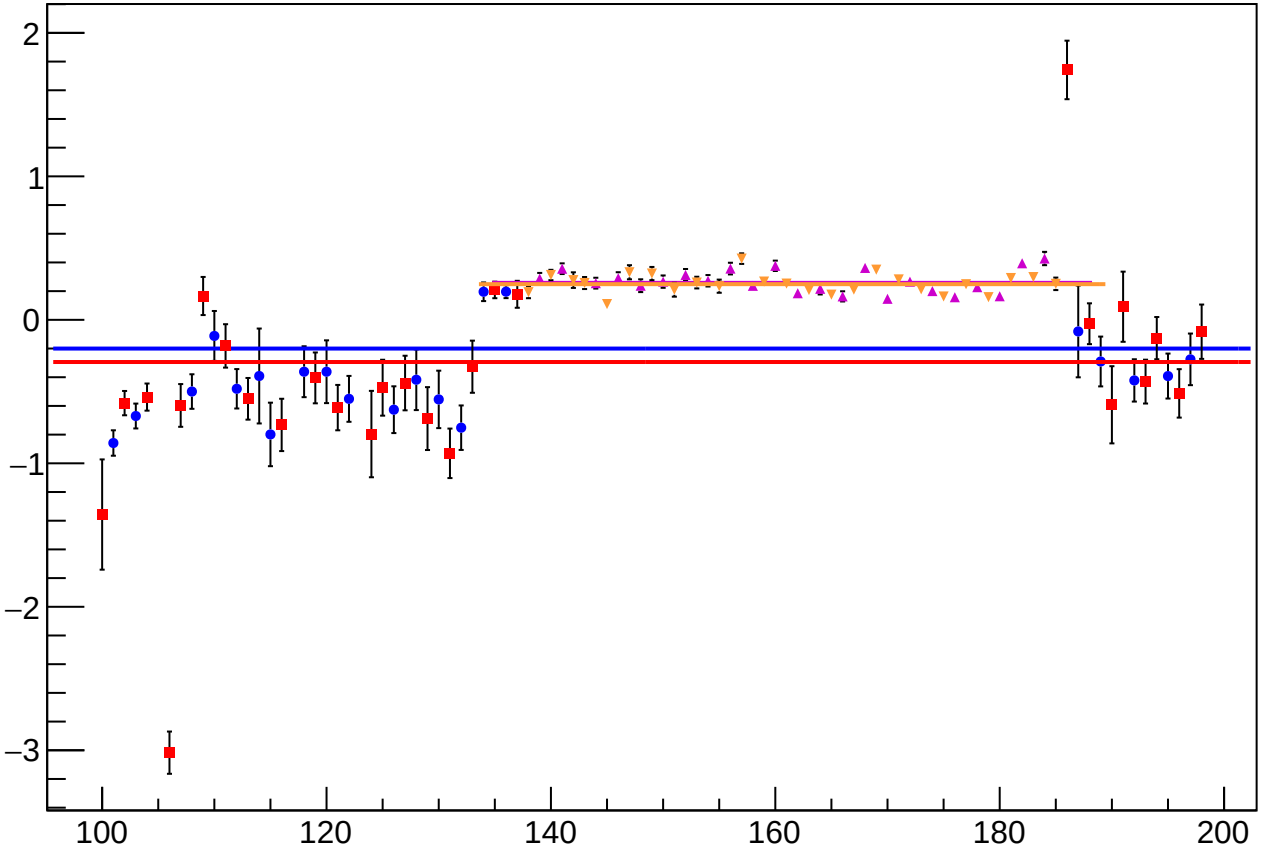
Right: -5.804+/-0.356 χ^2/NDF: 941.4/47

In: -19.163+/-0.152 χ^2/NDF:3393.7/43

Out: -19.126+/-0.148 χ^2/NDF:2986.7/51

All: -19.144+/-0.106 χ^2/NDF: 6380.4/95

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.200+/-0.025 χ^2/NDF: 252.0/20

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.294+/-0.027 χ^2/NDF: 631.9/26

Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

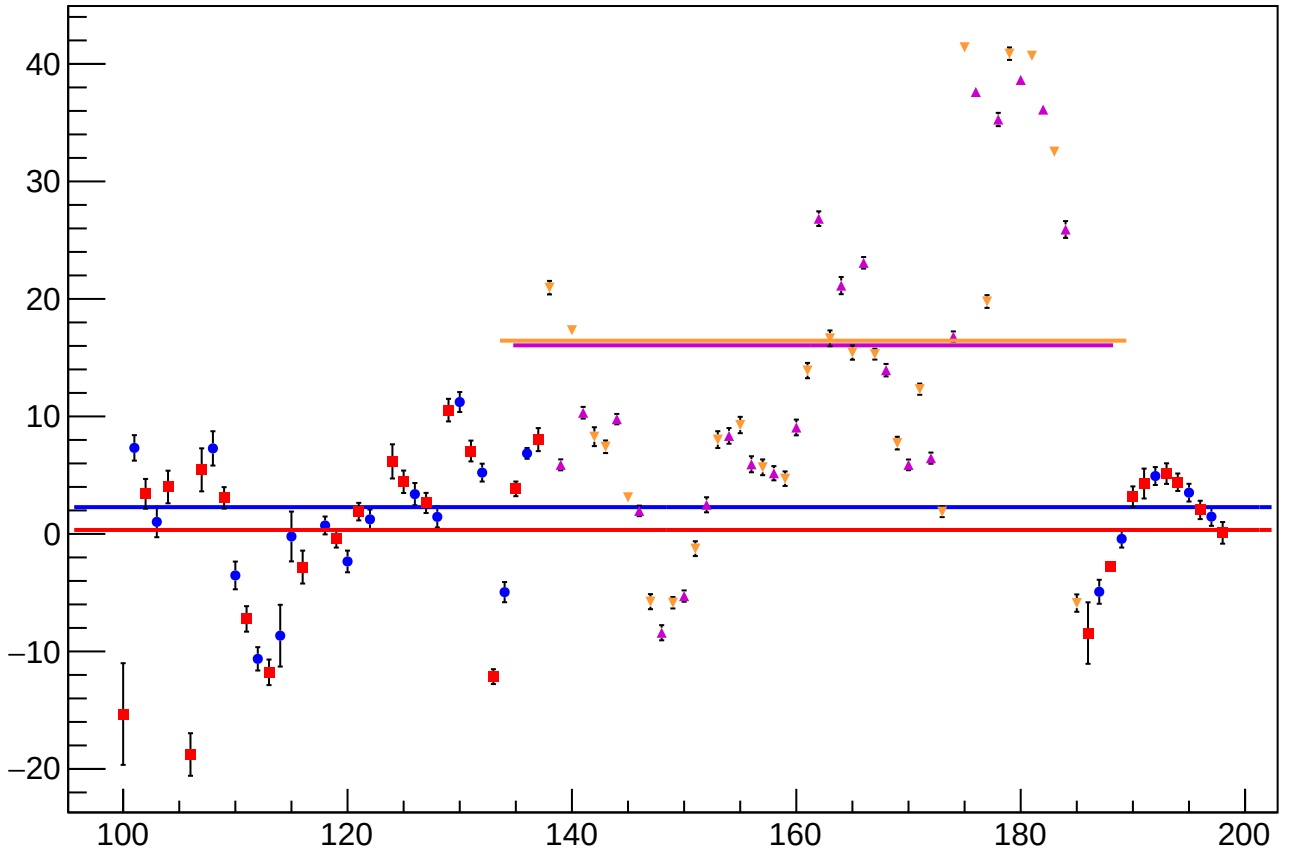
Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

Right: -0.245+/-0.018 χ^2/NDF: 890.4/47

In: 0.224+/-0.007 χ^2/NDF:688.8/43

Out: 0.214+/-0.007 χ^2/NDF:1116.1/51

All: 0.219+/-0.005 χ^2/NDF: 1806.0/95



Right In: 2.280+/-0.190 χ^2/NDF: 654.0/20

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 0.338+/-0.168 χ^2/NDF: 1194.4/26

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

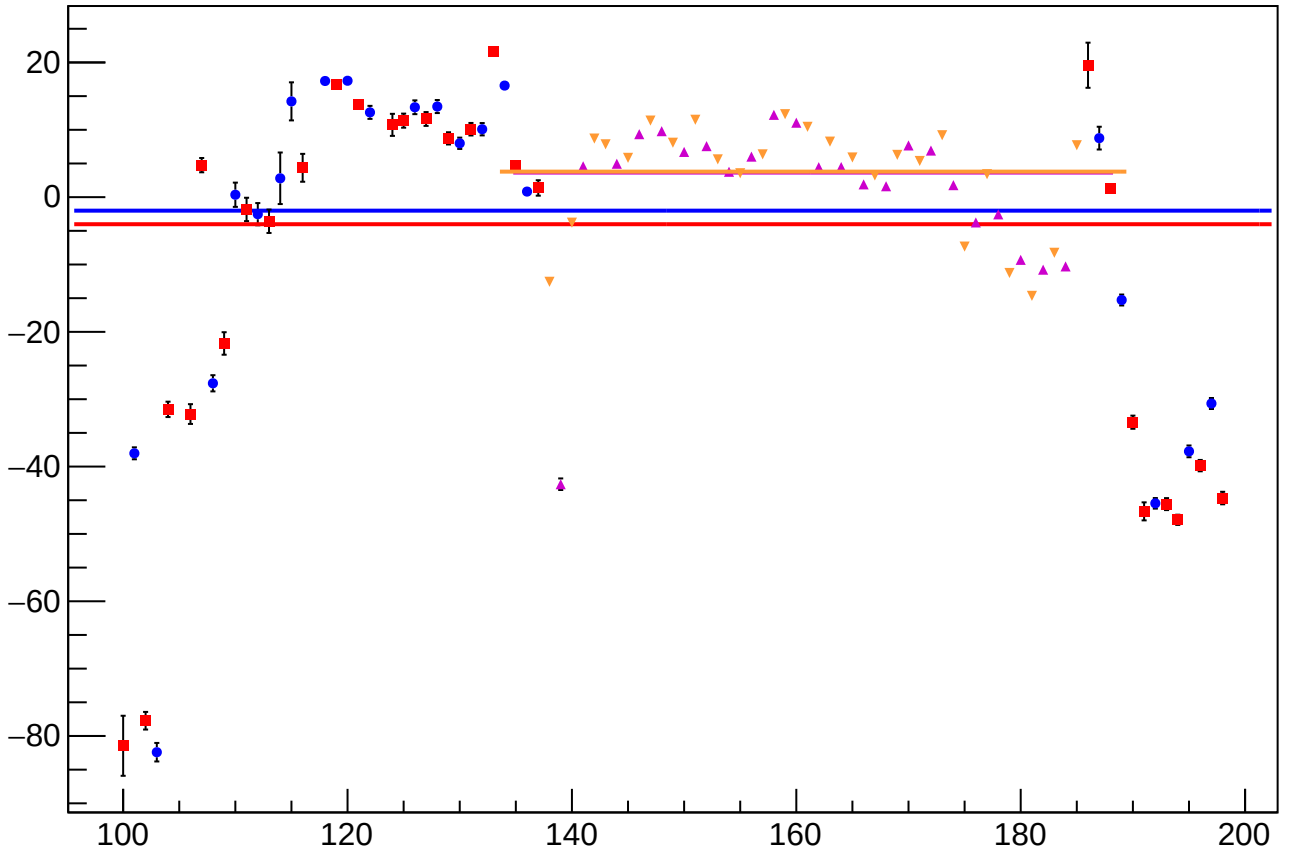
Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

Right: 1.193+/-0.126 χ^2/NDF: 1907.0/47

In: 12.717+/-0.093 χ^2/NDF:22271.8/43

Out: 11.993+/-0.088 χ^2/NDF:29231.6/51

All: 12.335+/-0.064 χ^2/NDF: 51535.1/95



Right In: -2.004+/-0.186 χ^2/NDF: 16580.4/20

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -4.017+/-0.173 χ^2/NDF: 22717.8/26

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

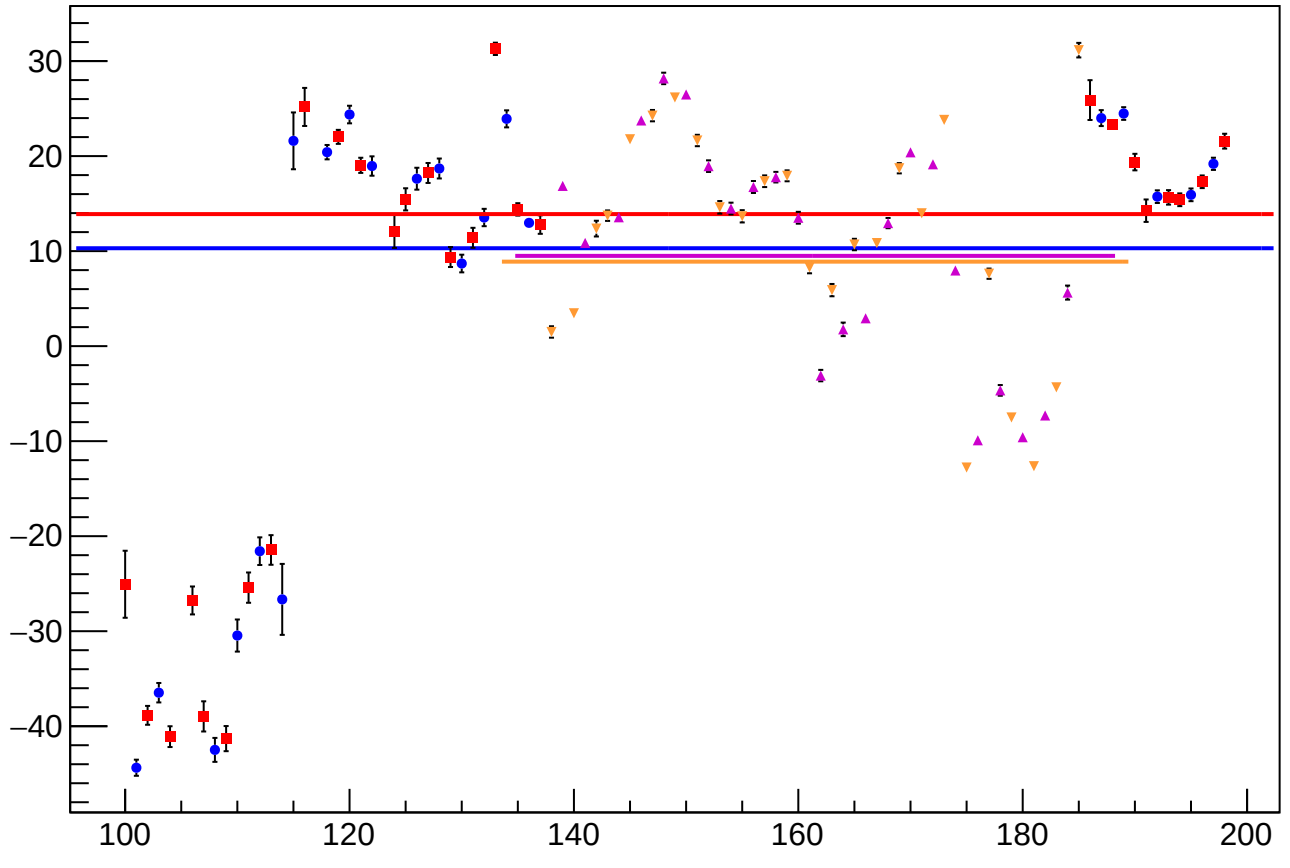
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: -3.083+/-0.126 χ^2/NDF: 39361.3/47

In: 2.708+/-0.076 χ^2/NDF:25664.0/43

Out: 2.408+/-0.073 χ^2/NDF:33500.5/51

All: 2.552+/-0.052 χ^2/NDF: 59172.6/95



Right In: 10.303+/-0.188 χ^2/NDF: 11082.9/20

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 13.896+/-0.162 χ^2/NDF: 12332.9/26

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

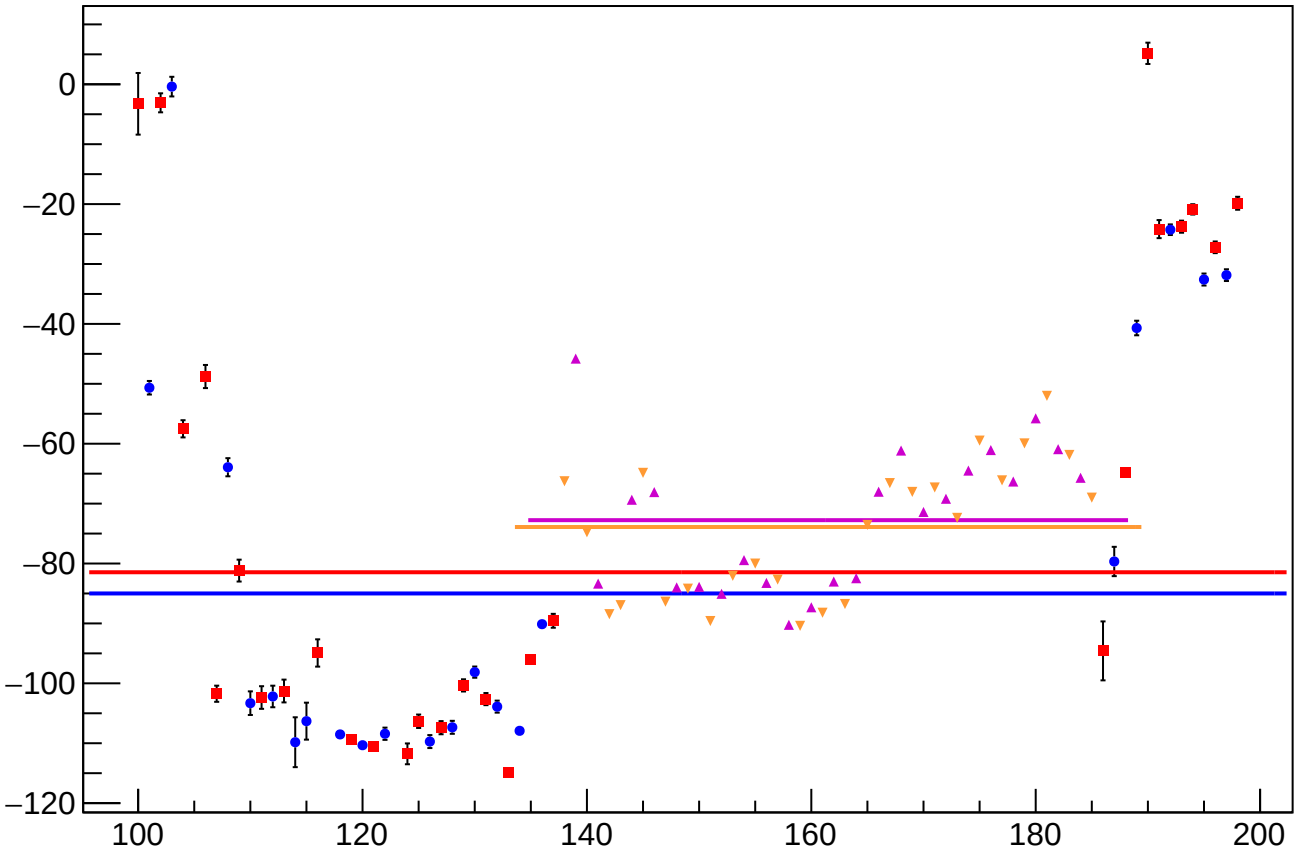
Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

Right: 12.367+/-0.123 χ^2/NDF: 23625.8/47

In: 9.696+/-0.093 χ^2/NDF:24137.7/43

Out: 10.350+/-0.087 χ^2/NDF:28439.5/51

All: 10.042+/-0.064 χ^2/NDF: 52603.6/95



Right In: -84.997+/-0.217 χ^2/NDF: 21541.6/20

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -81.458+/-0.205 χ^2/NDF: 32131.0/26

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

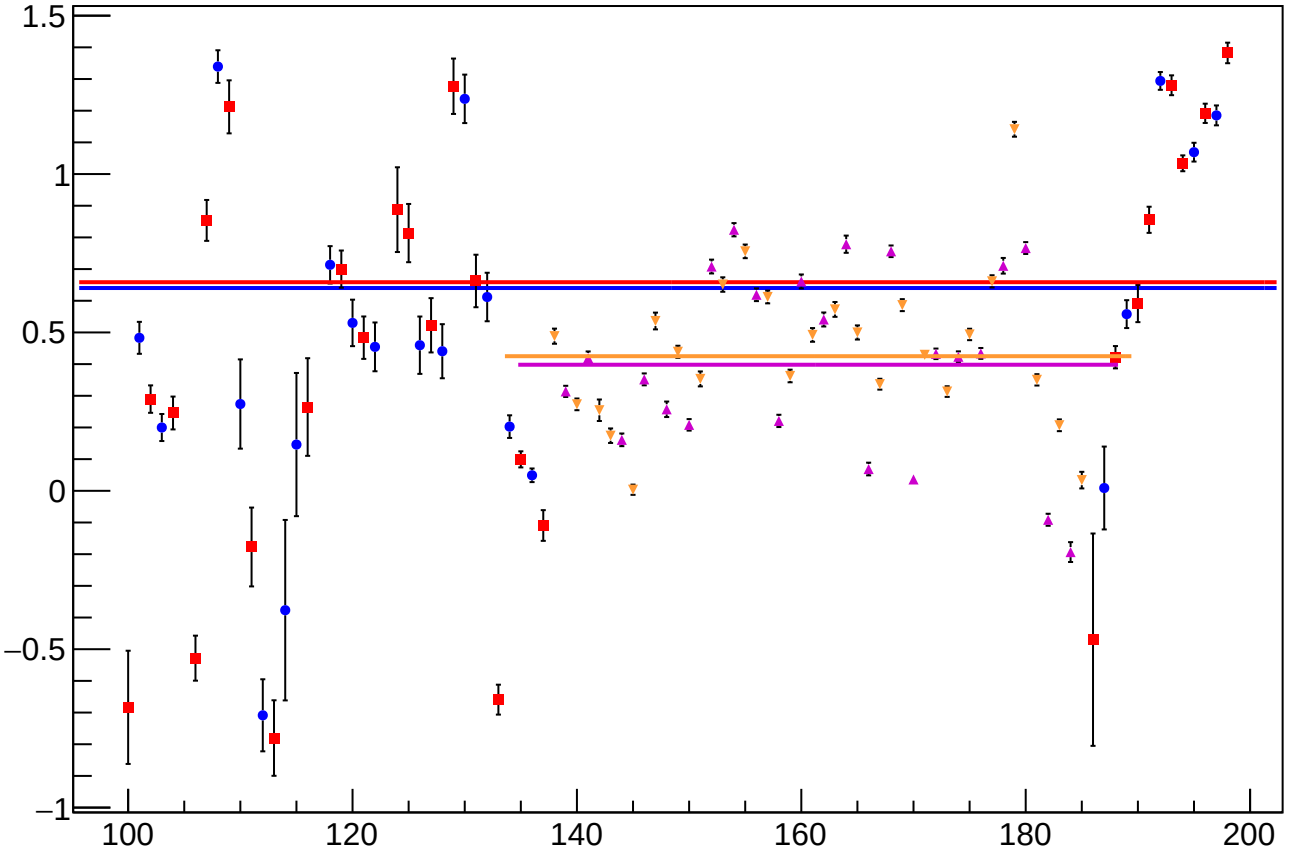
Right: -83.127+/-0.149 χ^2/NDF: 53813.4/47

In: -74.675+/-0.086 χ^2/NDF:36840.0/43

Out: -75.140+/-0.083 χ^2/NDF:48835.4/51

All: -74.915+/-0.060 χ^2/NDF: 85690.7/95

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.640+/-0.010 χ^2/NDF: 2530.3/20

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.659+/-0.009 χ^2/NDF: 3805.4/26

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

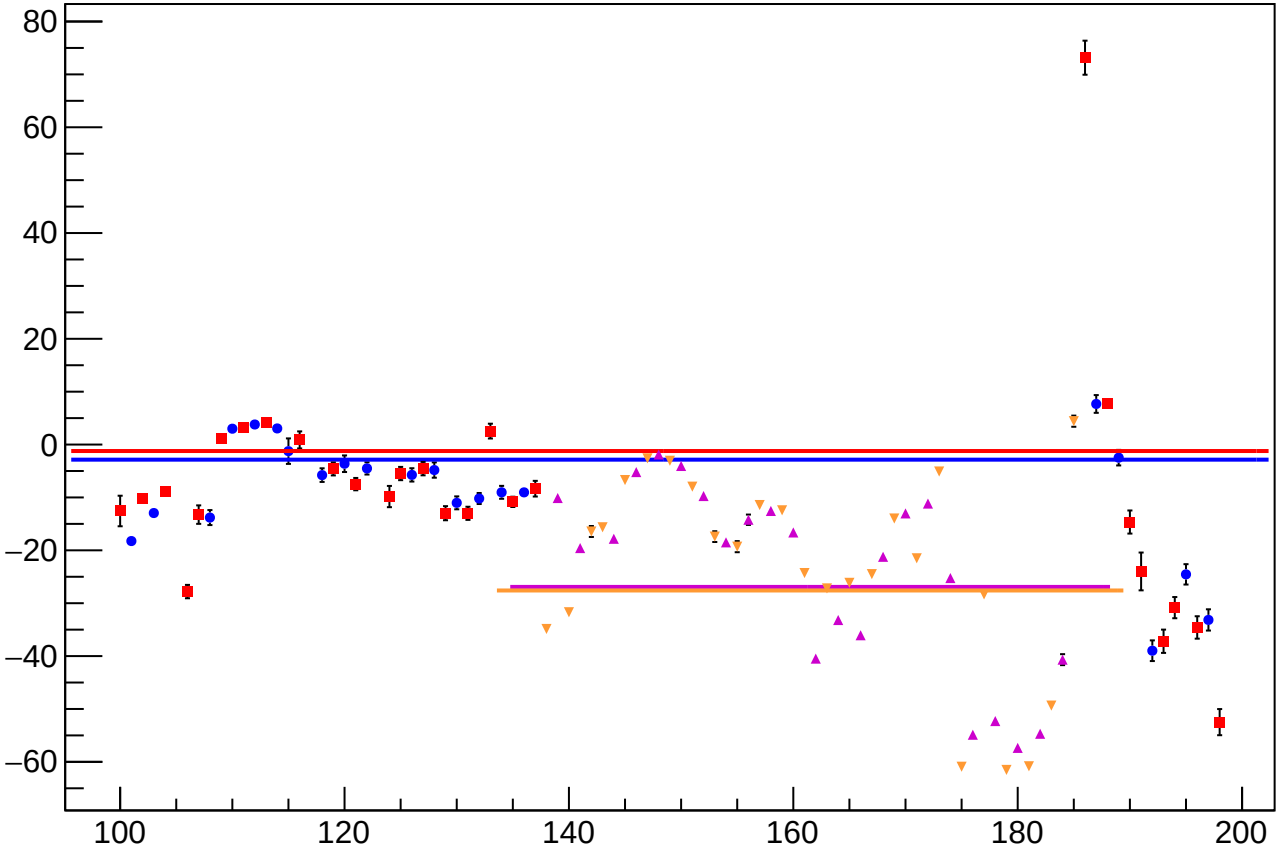
Right: 0.650+/-0.007 χ^2/NDF: 6337.4/47

In: 0.432+/-0.004 χ^2/NDF:7288.0/43

Out: 0.462+/-0.004 χ^2/NDF:7370.6/51

All: 0.448+/-0.003 χ^2/NDF: 14690.4/95

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.855+/-0.187 χ^2/NDF: 2239.0/20

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -1.222+/-0.164 χ^2/NDF: 3380.9/26

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

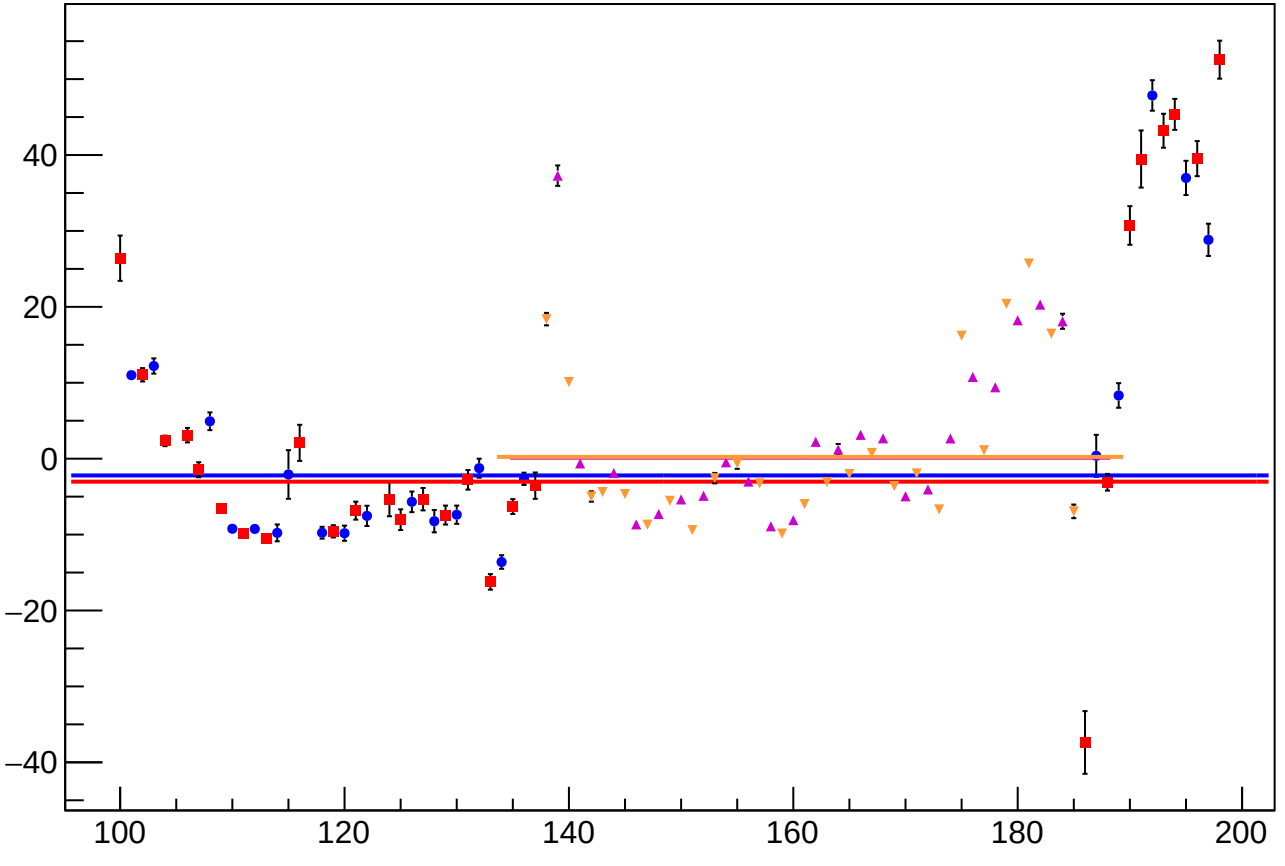
Right: -1.932+/-0.123 χ^2/NDF: 5663.3/47

In: -17.531+/-0.117 χ^2/NDF:27920.8/43

Out: -16.056+/-0.108 χ^2/NDF:37754.0/51

All: -16.739+/-0.079 χ^2/NDF: 65760.9/95

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.206+/-0.219 χ^2/NDF: 2653.4/20

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -3.028+/-0.209 χ^2/NDF: 3267.4/26

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

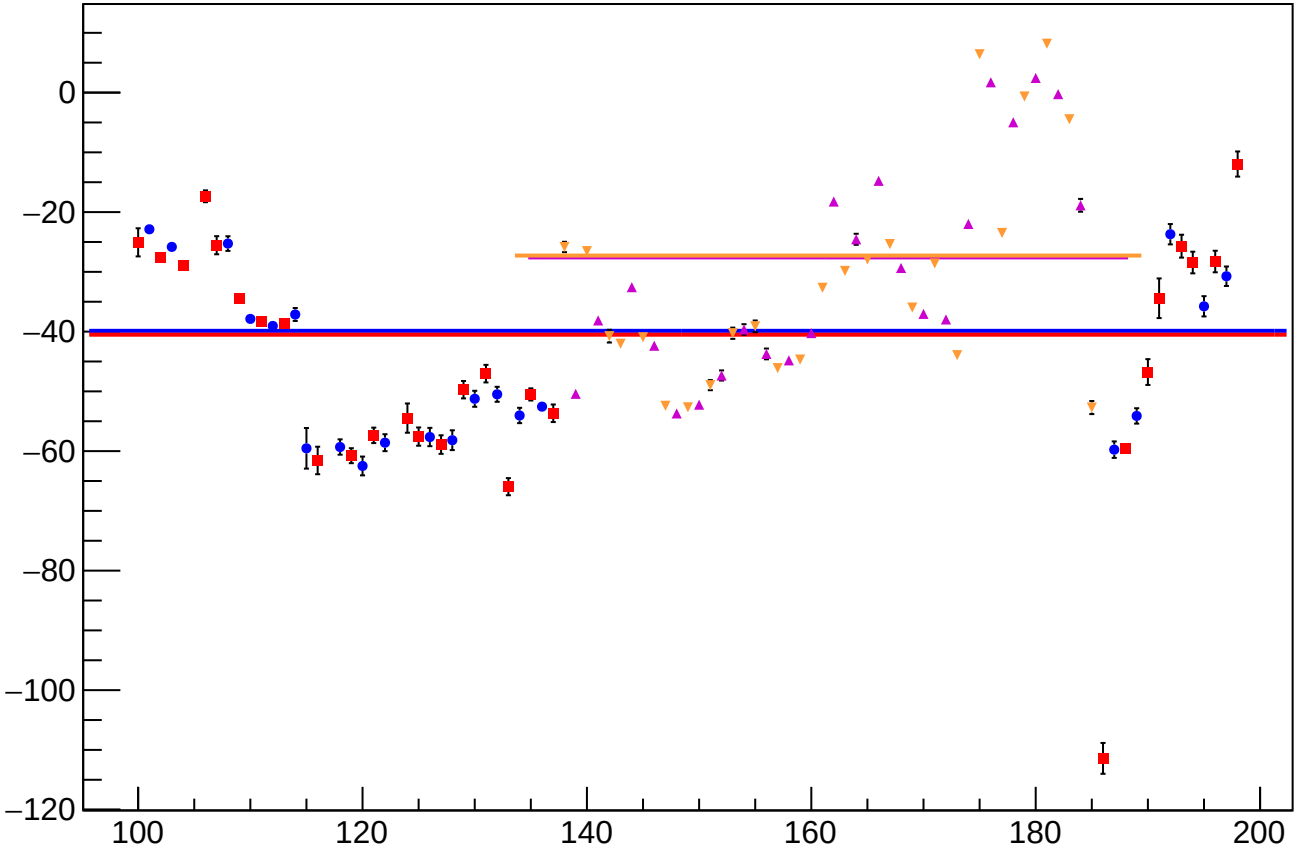
Right: -2.636+/-0.151 χ^2/NDF: 5928.1/47

In: -0.369+/-0.101 χ^2/NDF:8580.1/43

Out: -0.471+/-0.098 χ^2/NDF:11493.4/51

All: -0.422+/-0.070 χ^2/NDF: 20074.1/95

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.869+/-0.214 χ^2/NDF: 3420.1/20

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -40.516+/-0.195 χ^2/NDF: 4888.9/26

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

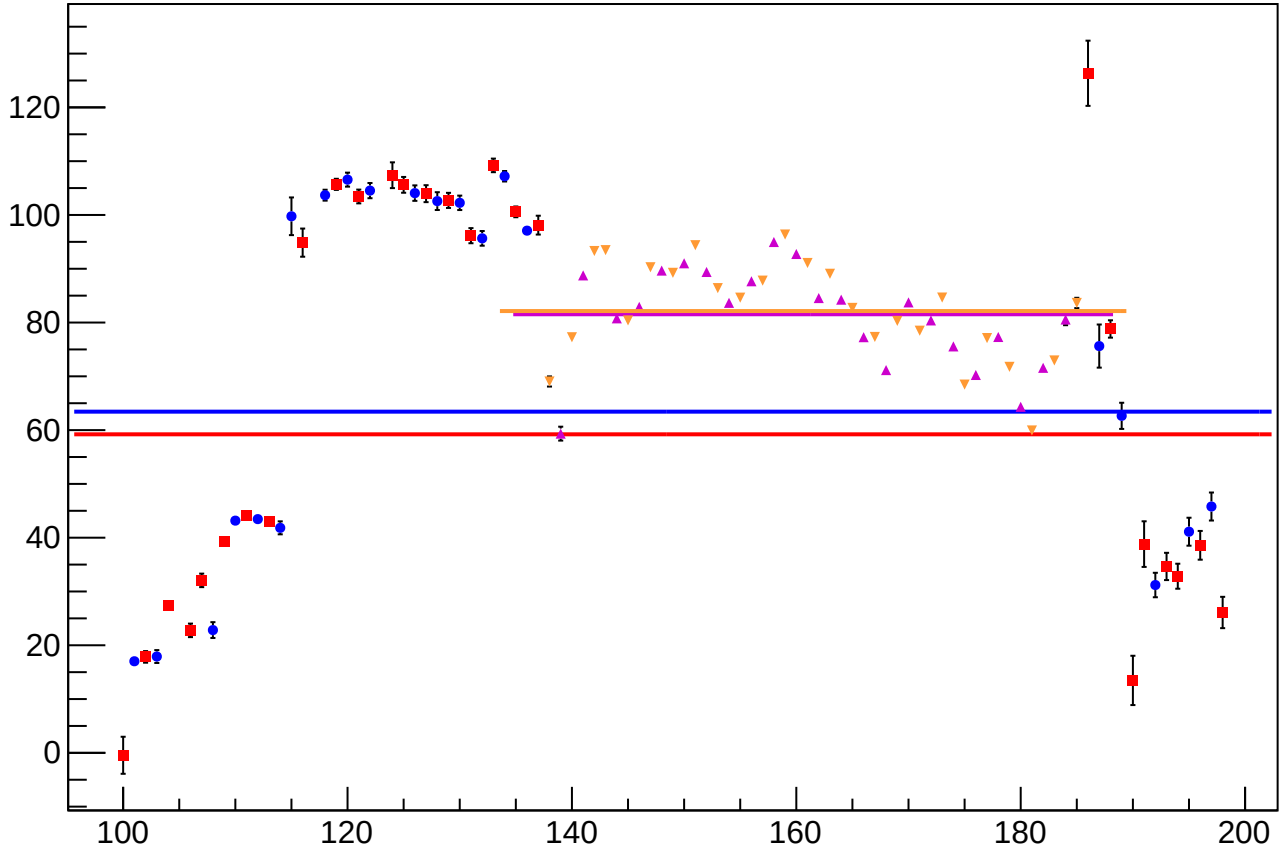
Right: -40.222+/-0.144 χ^2/NDF: 8313.9/47

In: -31.570+/-0.122 χ^2/NDF:21299.0/43

Out: -31.938+/-0.116 χ^2/NDF:26401.3/51

All: -31.763+/-0.084 χ^2/NDF: 47705.1/95

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 63.432+/-0.252 χ^2/NDF: 18935.1/20

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 59.219+/-0.241 χ^2/NDF: 18241.3/26

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

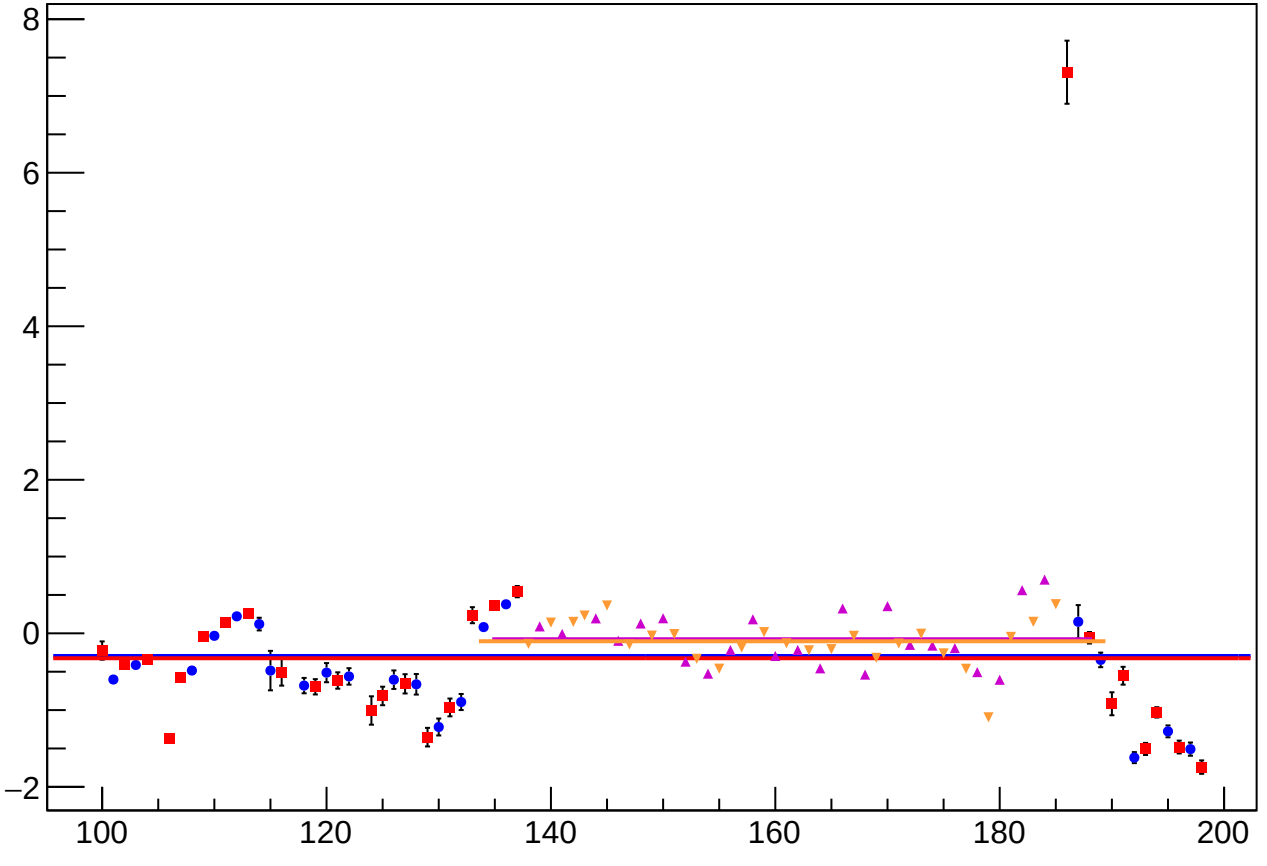
Right: 61.232+/-0.174 χ^2/NDF: 37322.9/47

In: 77.771+/-0.115 χ^2/NDF:27080.6/43

Out: 77.278+/-0.111 χ^2/NDF:30766.3/51

All: 77.516+/-0.080 χ^2/NDF: 57856.5/95

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.296+/-0.013 χ^2/NDF: 1681.2/20

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.325+/-0.012 χ^2/NDF: 2604.1/26

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

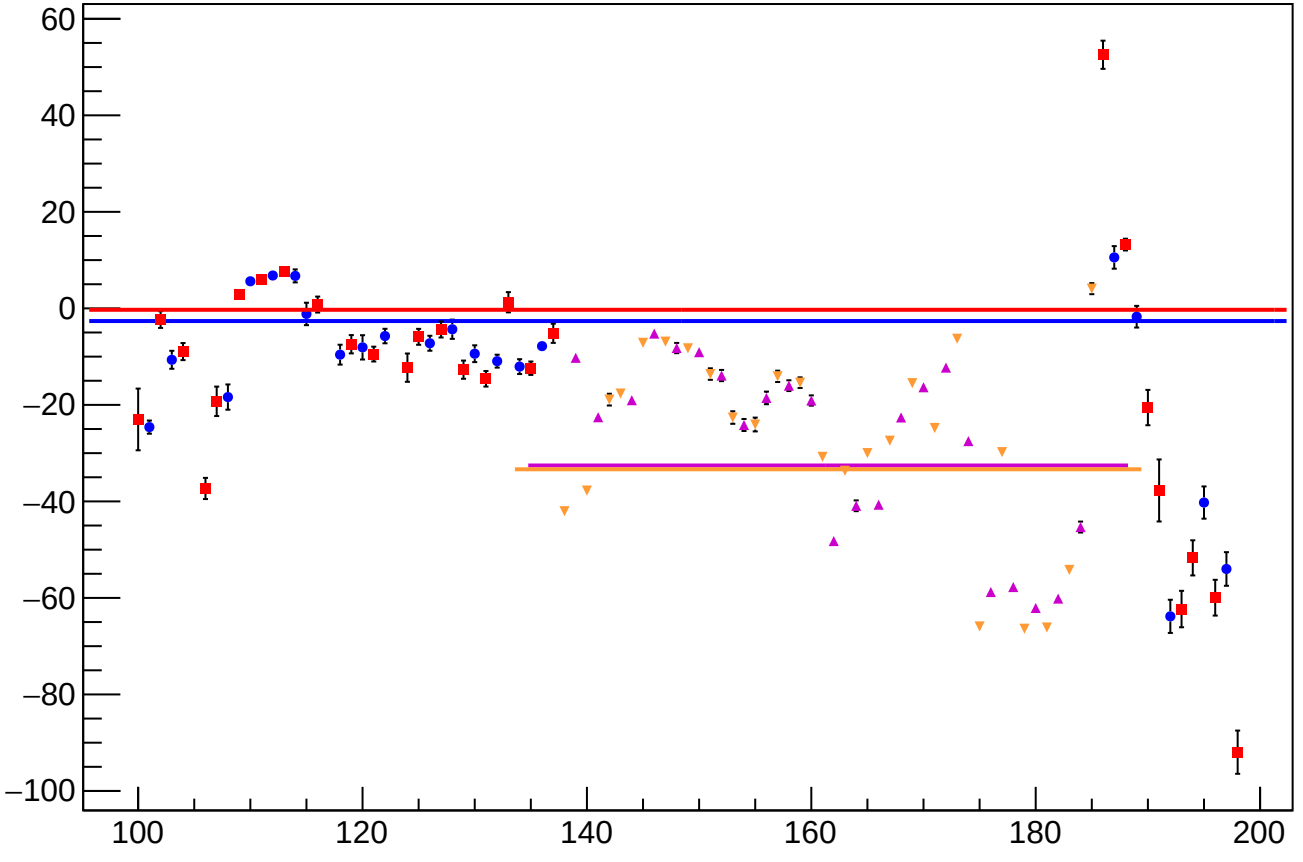
Right: -0.311+/-0.009 χ^2/NDF: 4288.0/47

In: -0.114+/-0.005 χ^2/NDF:5247.2/43

Out: -0.143+/-0.005 χ^2/NDF:5291.1/51

All: -0.129+/-0.004 χ^2/NDF: 10554.1/95

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.628+/-0.299 χ^2/NDF: 1603.0/20

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -0.295+/-0.270 χ^2/NDF: 2594.9/26

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

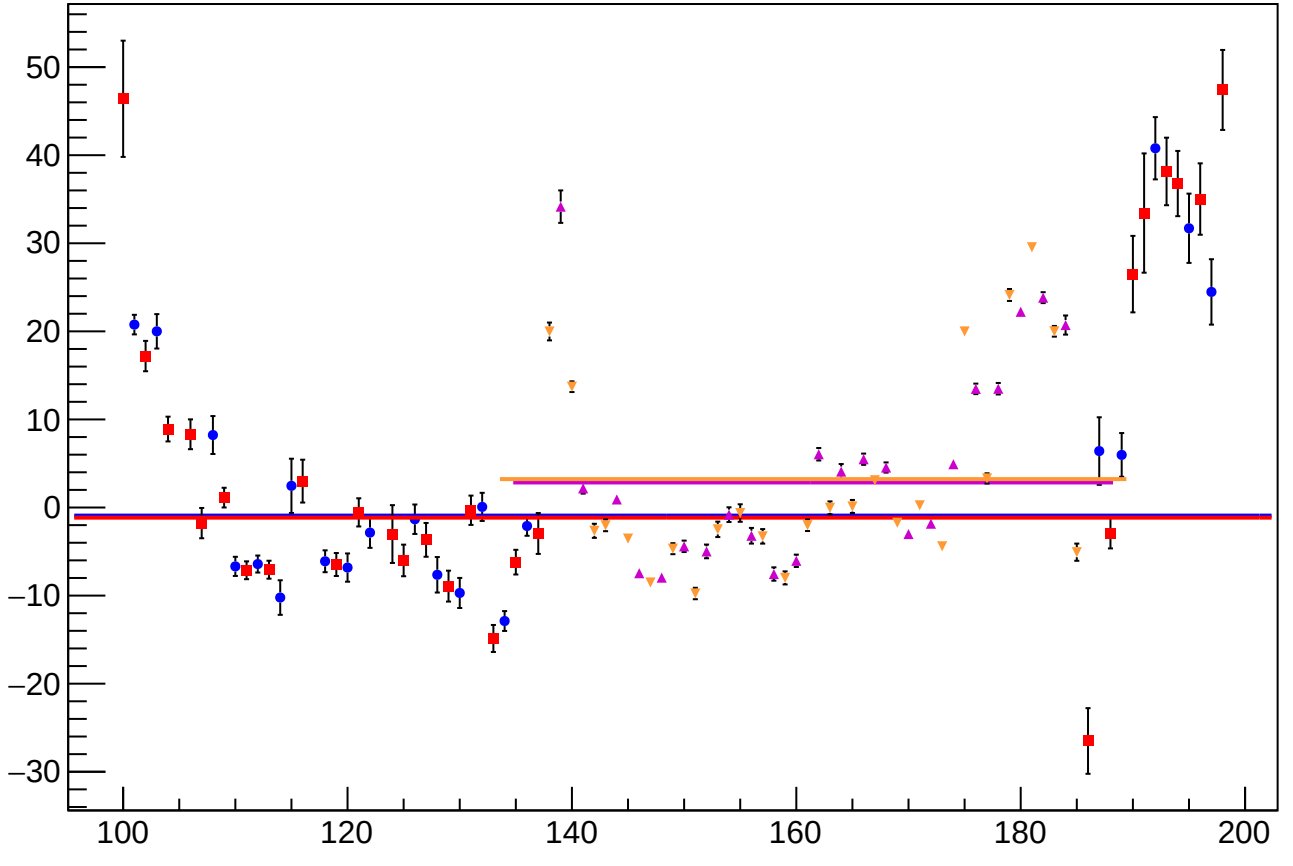
Right: -1.341+/-0.200 χ^2/NDF: 4231.4/47

In: -25.290+/-0.147 χ^2/NDF:23078.5/43

Out: -24.379+/-0.141 χ^2/NDF:31522.2/51

All: -24.813+/-0.102 χ^2/NDF: 54620.6/95

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.920+/-0.346 χ^2/NDF: 1048.2/20

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

Right Out: -1.149+/-0.340 χ^2/NDF: 980.9/26

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

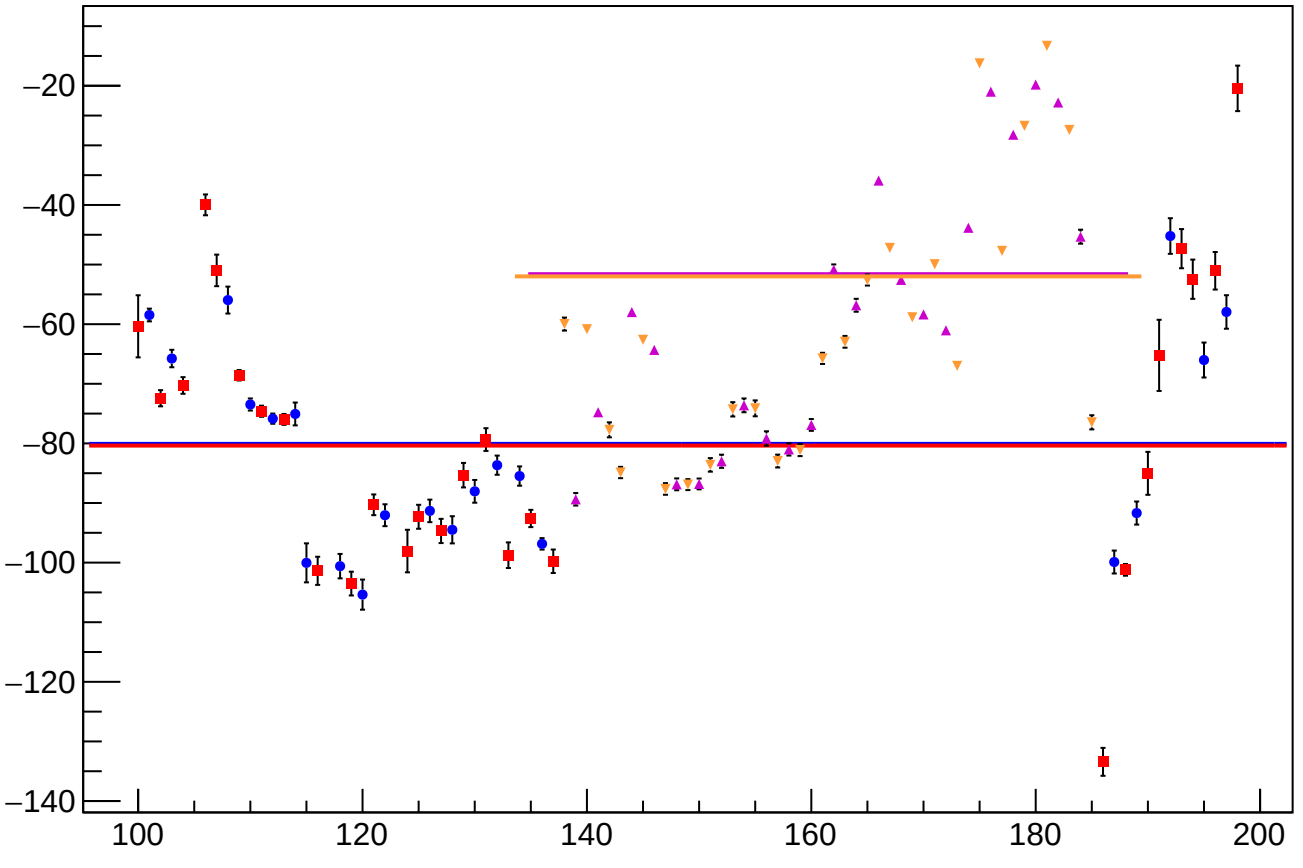
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

Right: -1.037+/-0.243 χ^2/NDF: 2029.4/47

In: 2.373+/-0.123 χ^2/NDF:6607.0/43

Out: 2.680+/-0.120 χ^2/NDF:8801.5/51

All: 2.530+/-0.086 χ^2/NDF: 15411.7/95



Right In: -80.084+/-0.345 χ^2/NDF: 1750.6/20

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -80.366+/-0.321 χ^2/NDF: 3080.8/26

Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

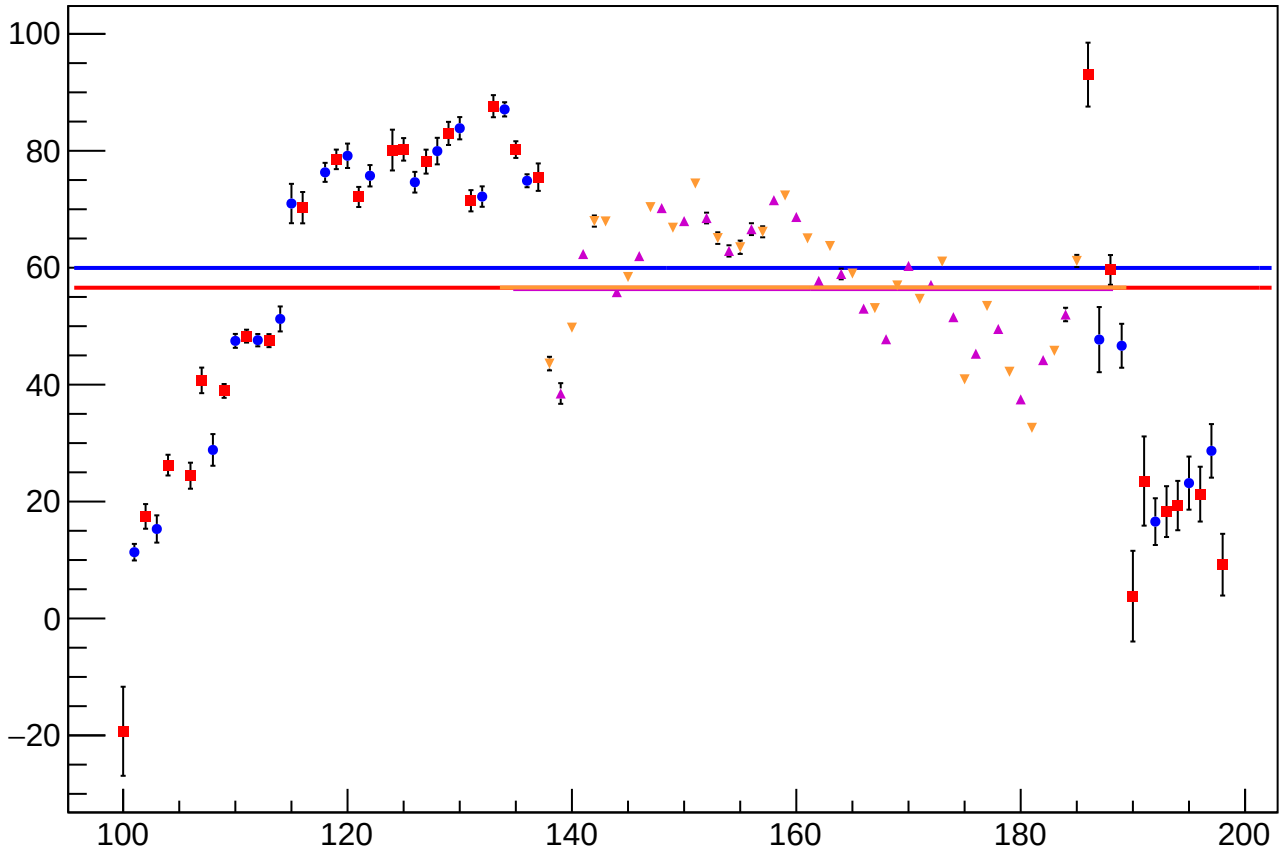
Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

Right: -80.235+/-0.235 χ^2/NDF: 4831.7/47

In: -57.137+/-0.152 χ^2/NDF:24877.6/43

Out: -57.891+/-0.147 χ^2/NDF:30142.5/51

All: -57.527+/-0.105 χ^2/NDF: 55032.9/95



Right In: 59.964+/-0.392 χ^2/NDF: 3485.4/20

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 56.579+/-0.387 χ^2/NDF: 3187.5/26

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

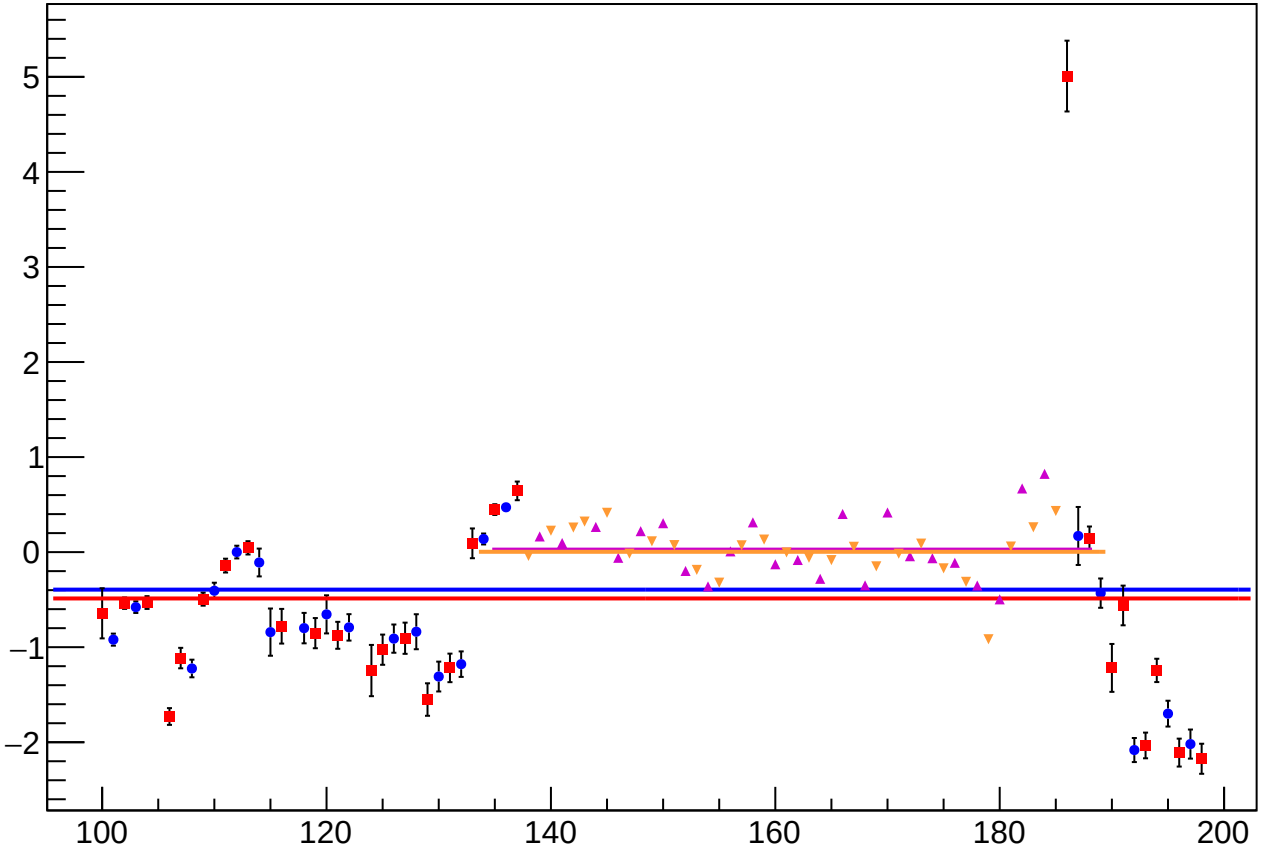
Right: 58.250+/-0.276 χ^2/NDF: 6710.6/47

In: 56.795+/-0.138 χ^2/NDF:7528.5/43

Out: 56.608+/-0.135 χ^2/NDF:8853.7/51

All: 56.699+/-0.096 χ^2/NDF: 16383.1/95

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.395+/-0.021 χ^2/NDF: 1141.7/20

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.488+/-0.020 χ^2/NDF: 1497.2/26

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

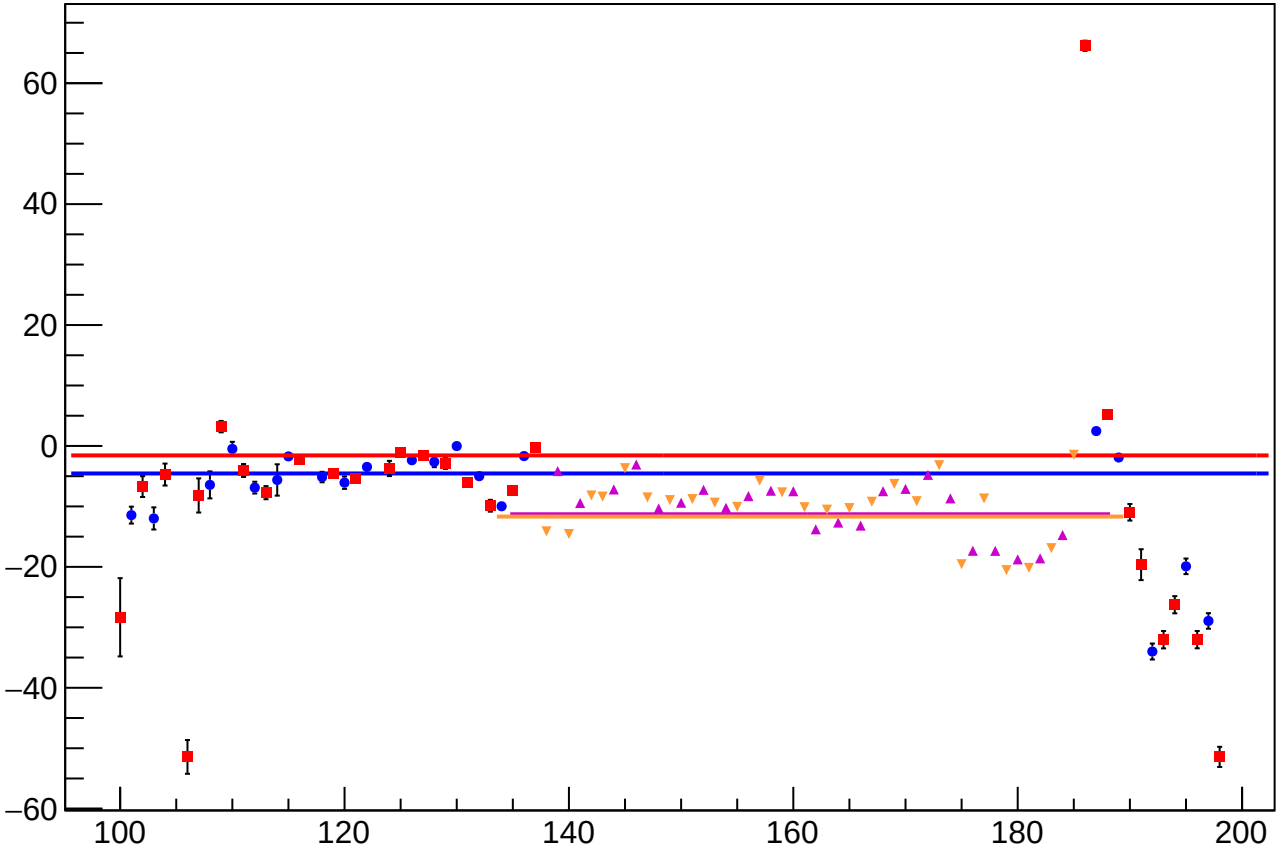
Right: -0.442+/-0.015 χ^2/NDF: 2649.2/47

In: -0.013+/-0.006 χ^2/NDF:3868.1/43

Out: -0.041+/-0.006 χ^2/NDF:3725.2/51

All: -0.027+/-0.004 χ^2/NDF: 7603.9/95

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.550+/-0.174 χ^2/NDF: 1342.3/20

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -1.565+/-0.170 χ^2/NDF: 9623.7/26

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

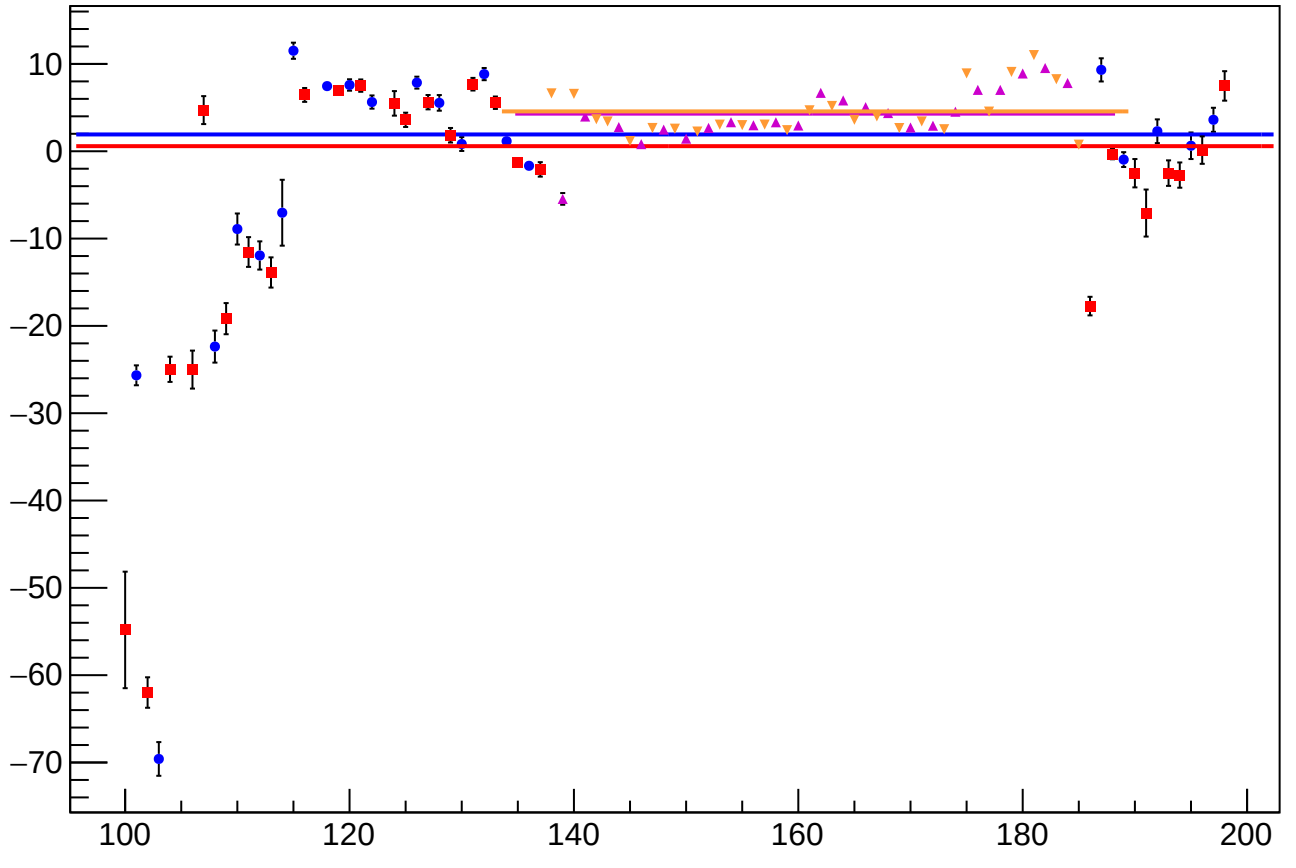
Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

Right: -3.023+/-0.122 χ^2/NDF: 11116.4/47

In: -10.709+/-0.052 χ^2/NDF:11942.6/43

Out: -10.795+/-0.050 χ^2/NDF:25453.9/51

All: -10.753+/-0.036 χ^2/NDF: 37398.0/95



Right In: 1.925+/-0.178 χ^2/NDF: 2883.0/20

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: 0.583+/-0.186 χ^2/NDF: 2917.1/26

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

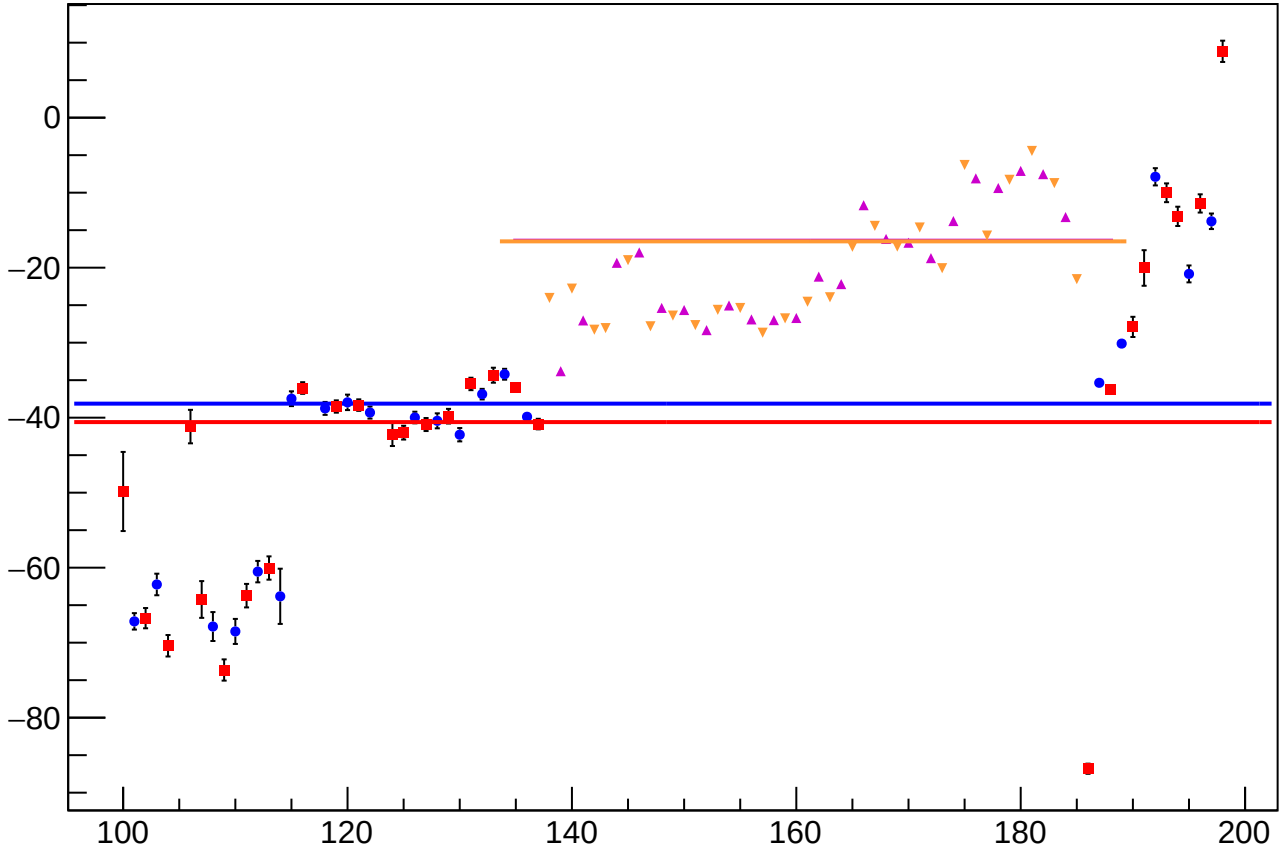
Right: 1.282+/-0.129 χ^2/NDF: 5827.2/47

In: 4.182+/-0.041 χ^2/NDF:6661.1/43

Out: 4.376+/-0.040 χ^2/NDF:7710.5/51

All: 4.280+/-0.029 χ^2/NDF: 14382.9/95

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -38.129+/-0.182 χ^2/NDF: 3583.1/20

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -40.589+/-0.174 χ^2/NDF: 9868.6/26

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

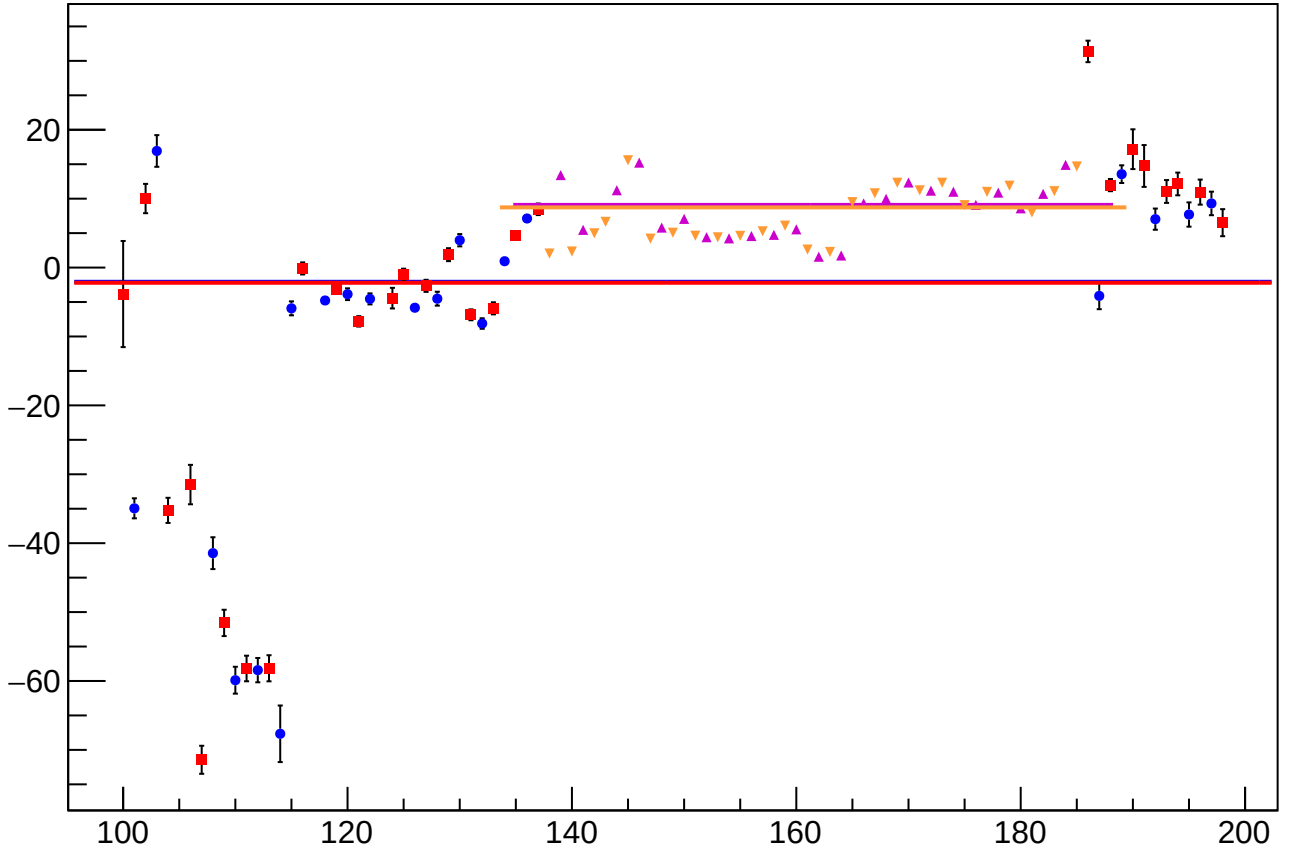
Right: -39.413+/-0.126 χ^2/NDF: 13547.2/47

In: -18.159+/-0.052 χ^2/NDF:34740.6/43

Out: -18.521+/-0.051 χ^2/NDF:49398.0/51

All: -18.344+/-0.036 χ^2/NDF: 84163.7/95

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -2.065+/-0.201 χ^2/NDF: 4002.1/20

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -2.203+/-0.214 χ^2/NDF: 5532.3/26

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

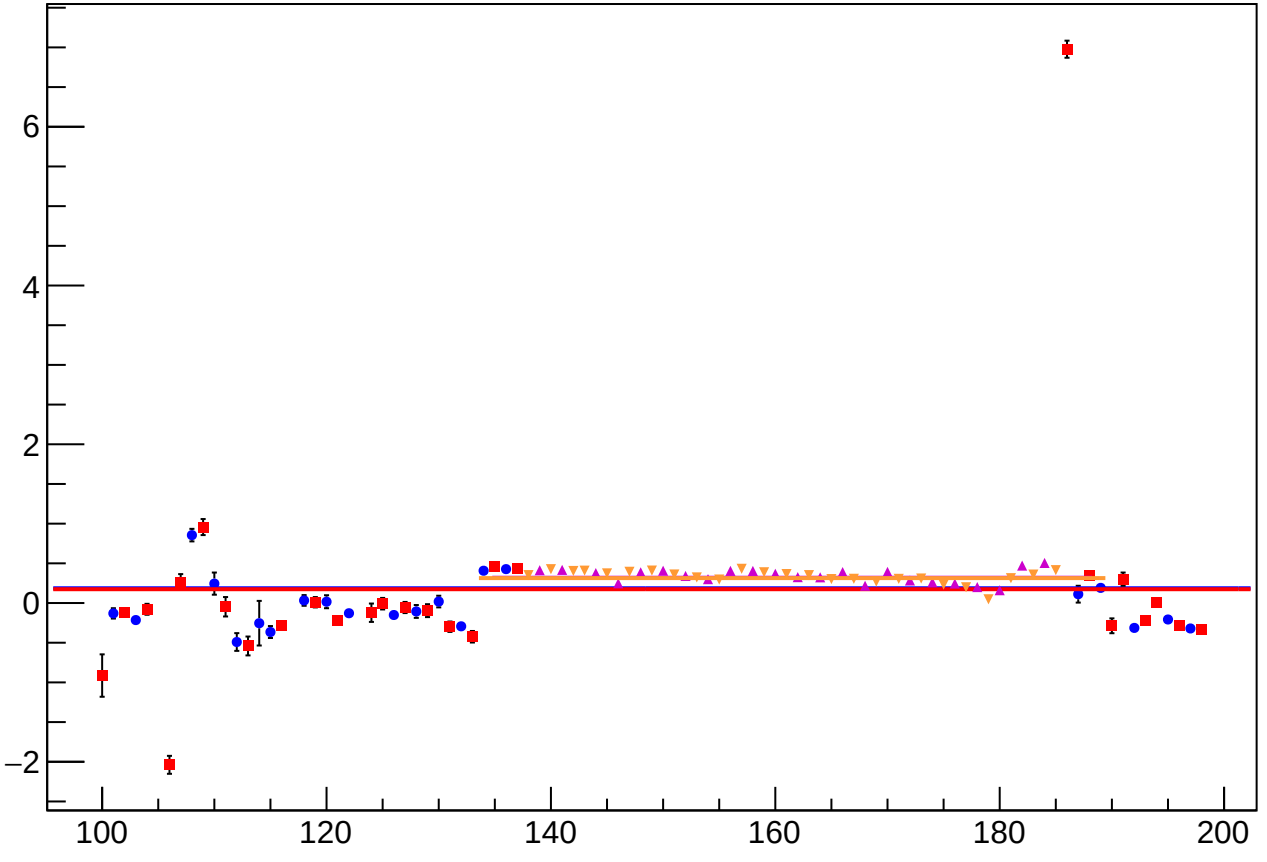
Right: -2.130+/-0.147 χ^2/NDF: 9534.7/47

In: 8.516+/-0.046 χ^2/NDF:12660.2/43

Out: 8.248+/-0.045 χ^2/NDF:14902.2/51

All: 8.380+/-0.032 χ^2/NDF: 27579.8/95

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.186+/-0.010 χ^2/NDF: 903.6/20

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.174+/-0.011 χ^2/NDF: 5276.7/26

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

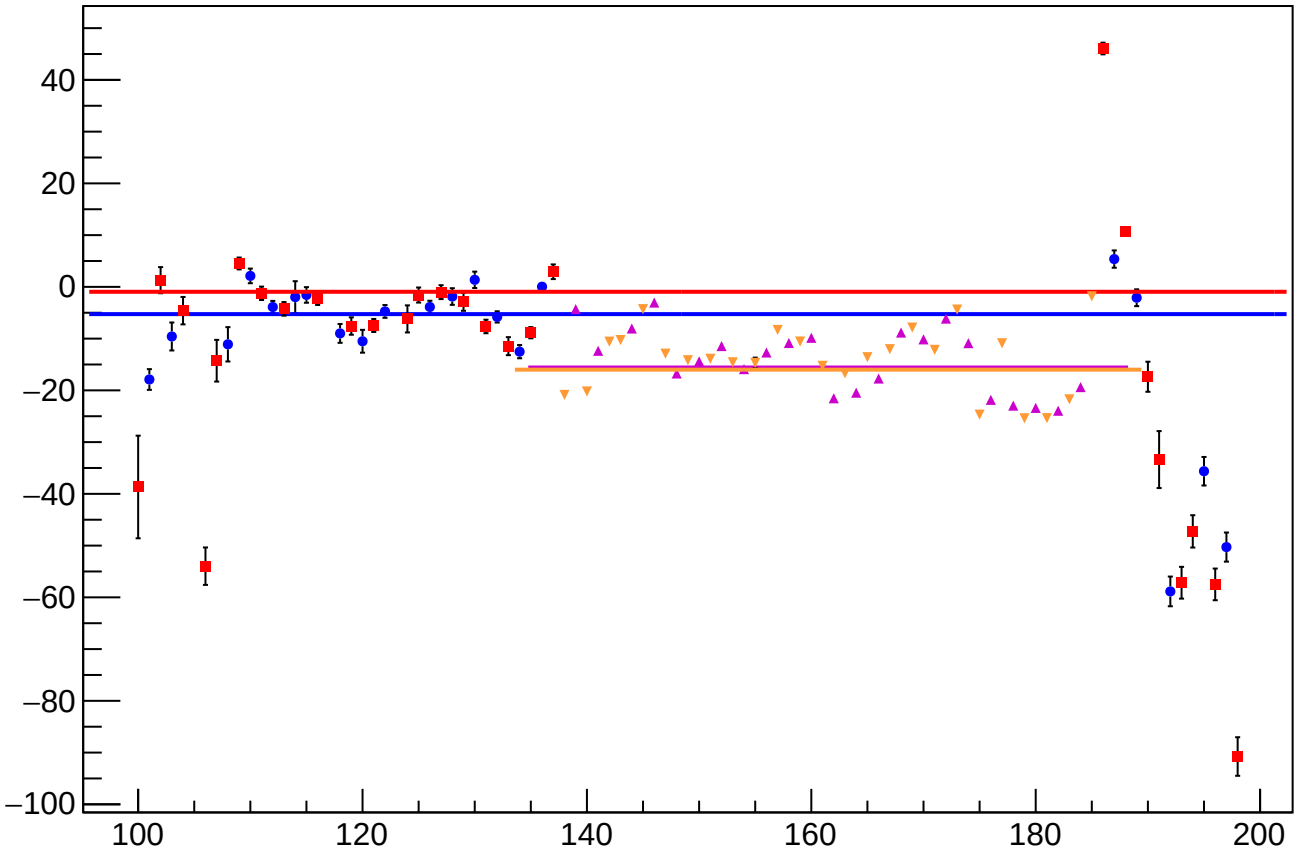
Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

Right: 0.180+/-0.008 χ^2/NDF: 6180.9/47

In: 0.314+/-0.002 χ^2/NDF:2846.0/43

Out: 0.309+/-0.002 χ^2/NDF:7028.5/51

All: 0.311+/-0.001 χ^2/NDF: 9876.6/95



Right In: -5.265+/-0.325 χ^2/NDF: 974.8/20

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -0.948+/-0.310 χ^2/NDF: 3885.3/26

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

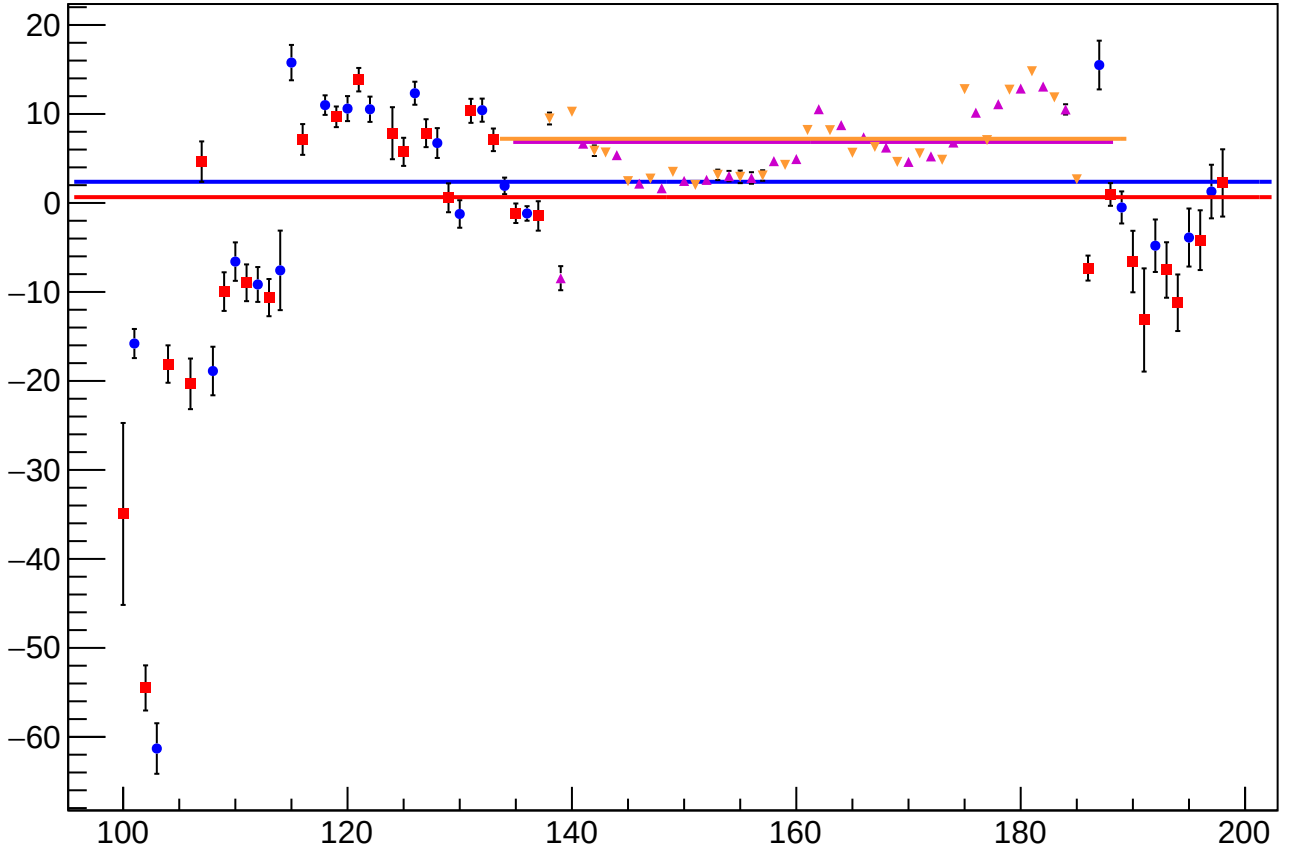
Right: -3.006+/-0.224 χ^2/NDF: 4952.4/47

In: -14.657+/-0.097 χ^2/NDF:6651.9/43

Out: -14.599+/-0.095 χ^2/NDF:11983.2/51

All: -14.628+/-0.068 χ^2/NDF: 18635.3/95

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.379+/-0.341 χ^2/NDF: 1082.1/20

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: 0.654+/-0.347 χ^2/NDF: 1056.3/26

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

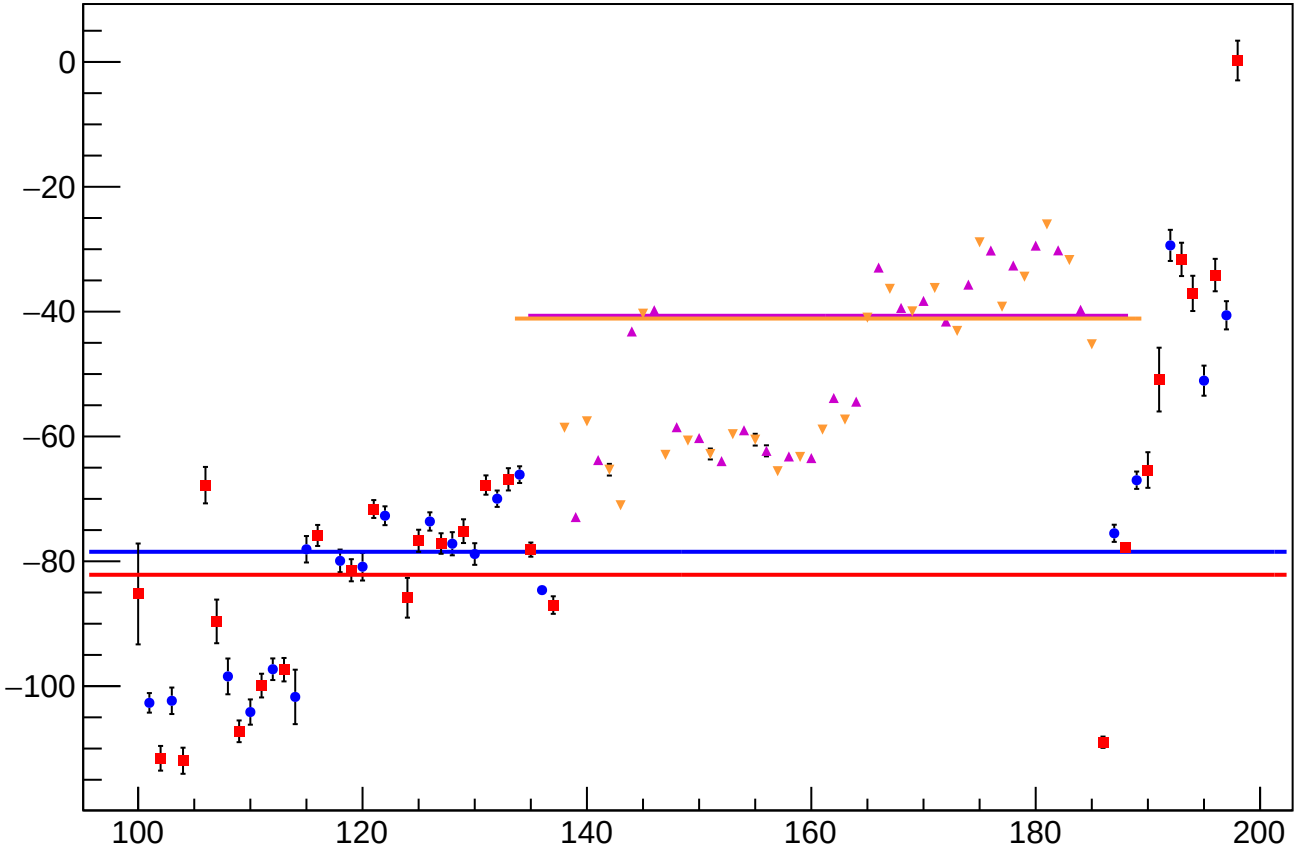
Right: 1.532+/-0.243 χ^2/NDF: 2150.9/47

In: 6.616+/-0.079 χ^2/NDF:3401.9/43

Out: 6.880+/-0.078 χ^2/NDF:3851.3/51

All: 6.750+/-0.055 χ^2/NDF: 7258.9/95

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -78.476+/-0.346 χ^2/NDF: 1821.2/20

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -82.160+/-0.323 χ^2/NDF: 3712.2/26

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

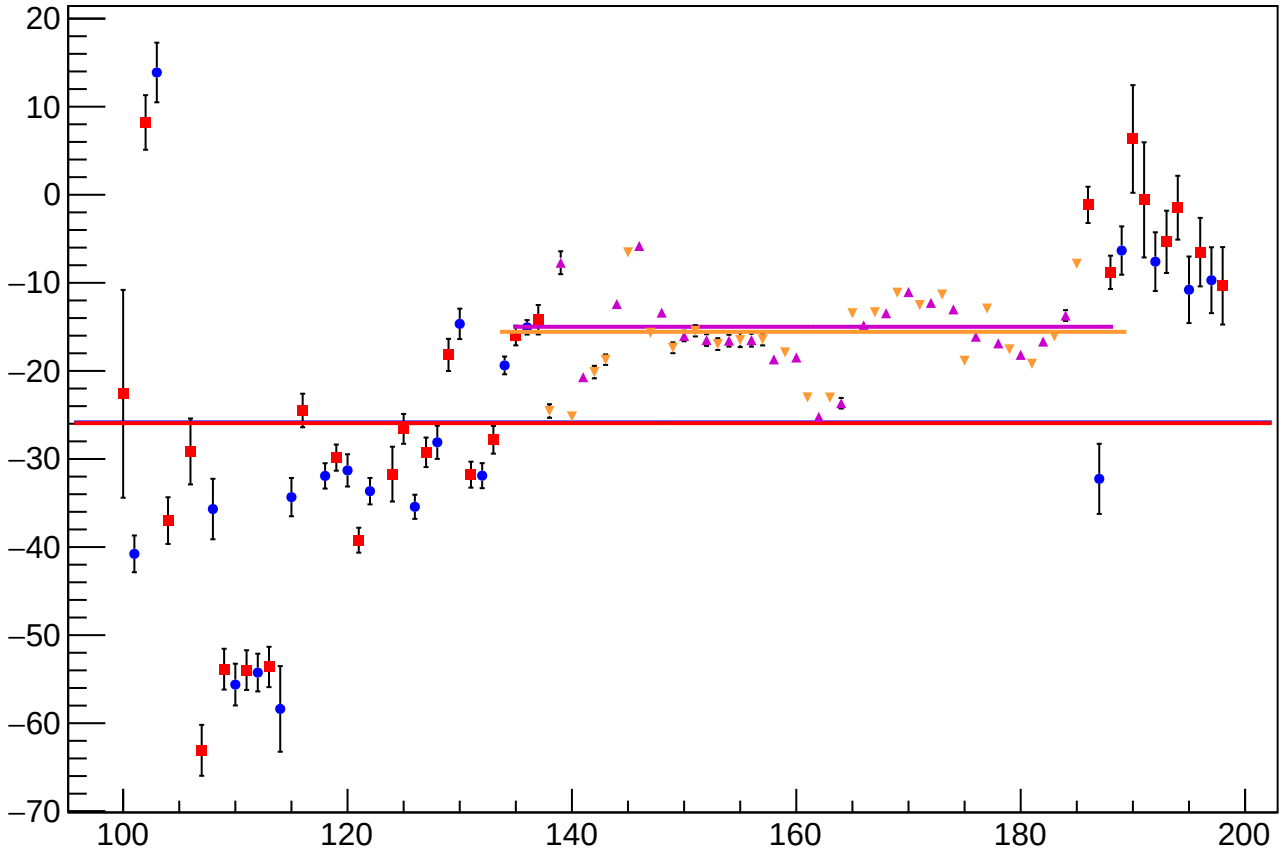
Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

Right: -80.446+/-0.236 χ^2/NDF: 5593.9/47

In: -43.698+/-0.098 χ^2/NDF:26337.4/43

Out: -44.703+/-0.096 χ^2/NDF:34459.0/51

All: -44.214+/-0.068 χ^2/NDF: 60850.4/95



Right In: -25.850+/-0.383 χ^2/NDF: 1086.9/20

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -25.928+/-0.401 χ^2/NDF: 1405.6/26

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

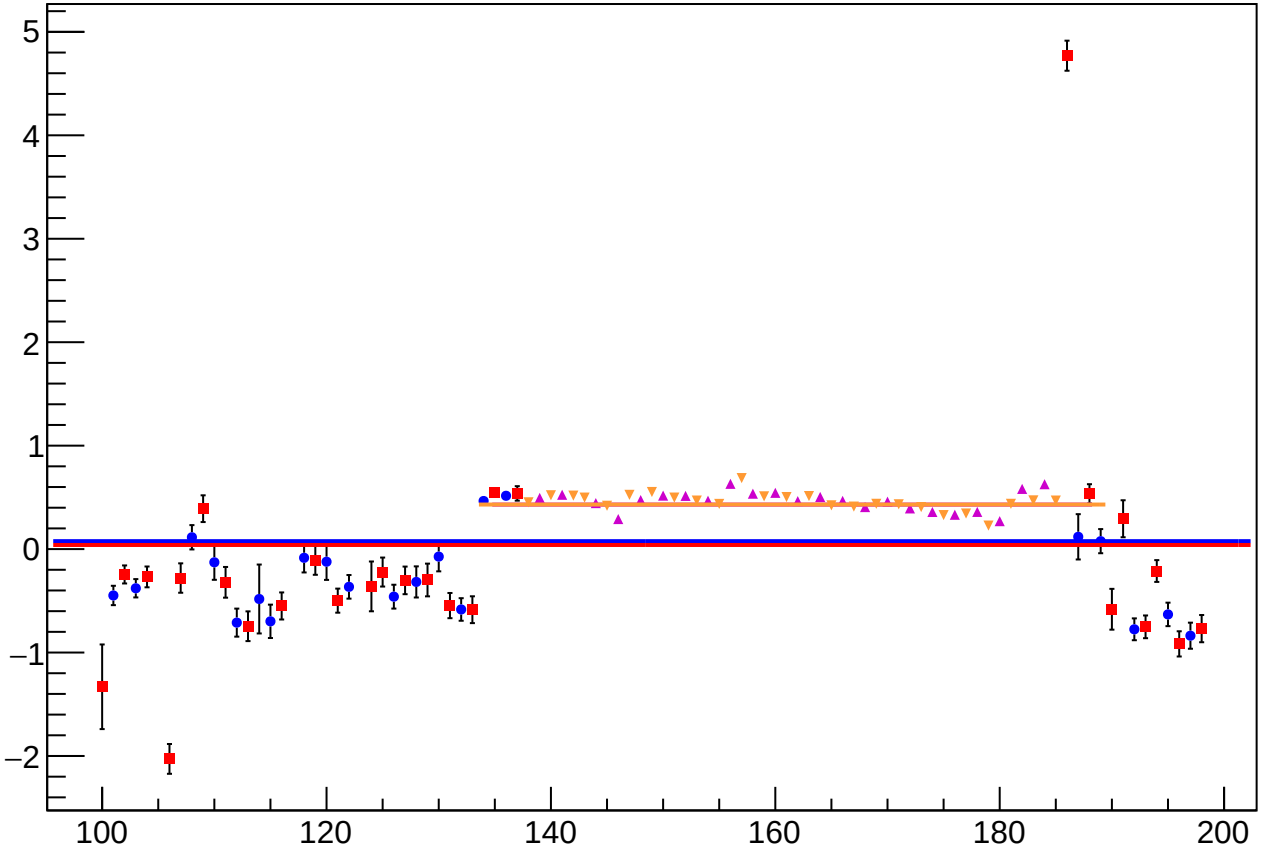
Right: -25.887+/-0.277 χ^2/NDF: 2492.5/47

In: -15.562+/-0.088 χ^2/NDF:3999.6/43

Out: -16.048+/-0.087 χ^2/NDF:4592.2/51

All: -15.808+/-0.062 χ^2/NDF: 8607.3/95

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.077+/-0.020 χ^2/NDF: 595.4/20

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.040+/-0.021 χ^2/NDF: 1833.1/26

Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

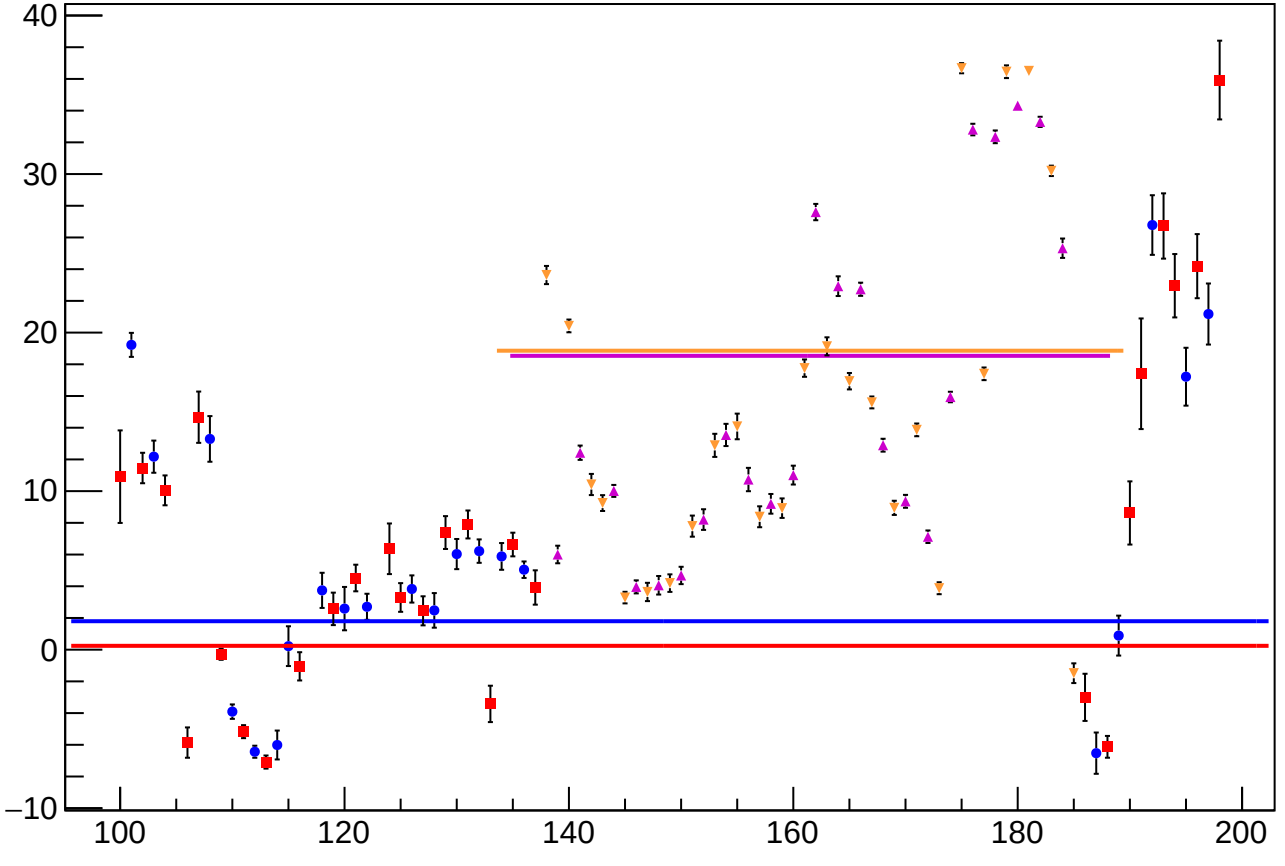
Right: 0.059+/-0.015 χ^2/NDF: 2430.1/47

In: 0.416+/-0.004 χ^2/NDF:1479.6/43

Out: 0.418+/-0.004 χ^2/NDF:2575.8/51

All: 0.417+/-0.003 χ^2/NDF: 4055.6/95

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.795+/-0.177 χ^2/NDF: 1917.0/20

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 0.243+/-0.159 χ^2/NDF: 1924.9/26

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

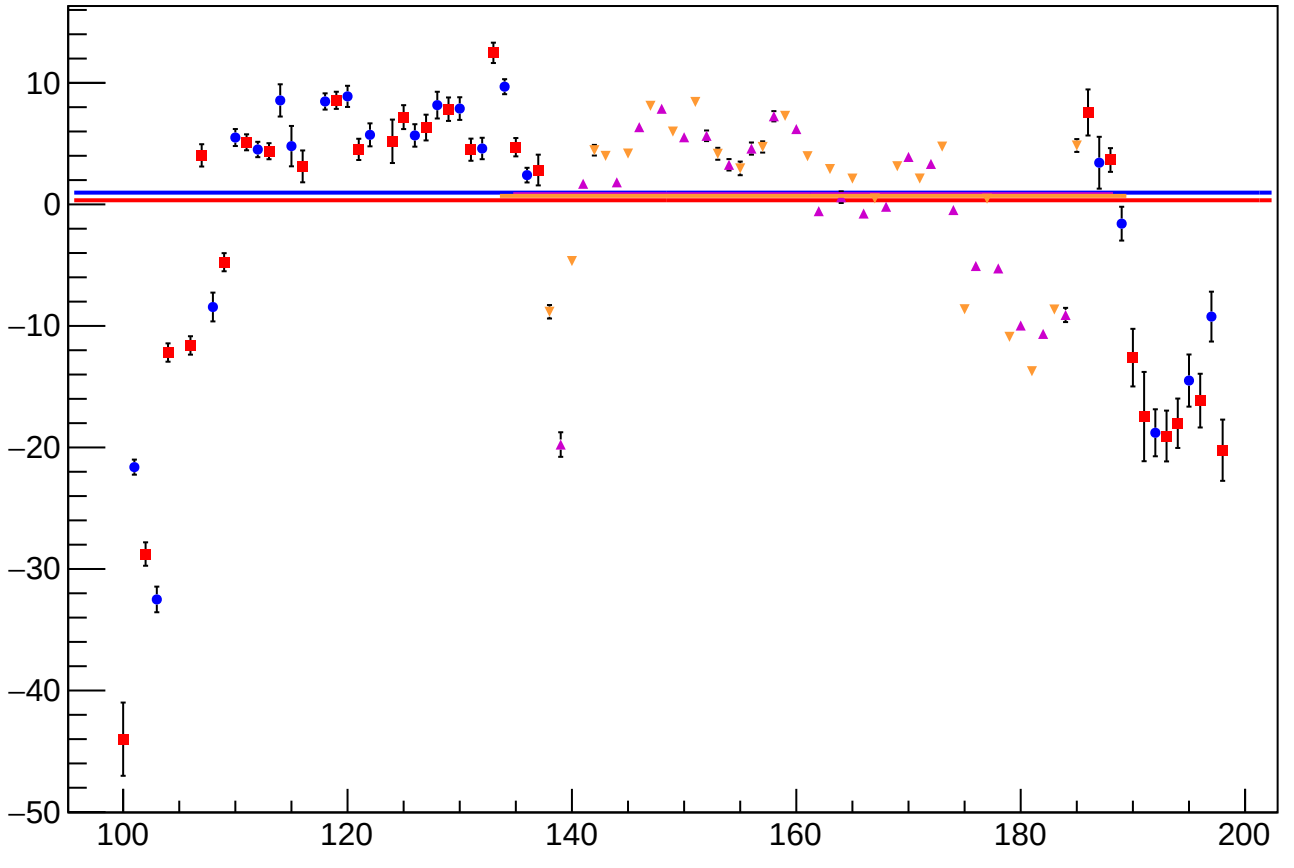
Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

Right: 0.937+/-0.118 χ^2/NDF: 3884.5/47

In: 14.901+/-0.082 χ^2/NDF:22981.4/43

Out: 14.317+/-0.079 χ^2/NDF:30641.4/51

All: 14.595+/-0.057 χ^2/NDF: 53649.1/95



Right In: 0.969+/-0.198 χ^2/NDF: 3271.9/20

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: 0.340+/-0.193 χ^2/NDF: 2753.9/26

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

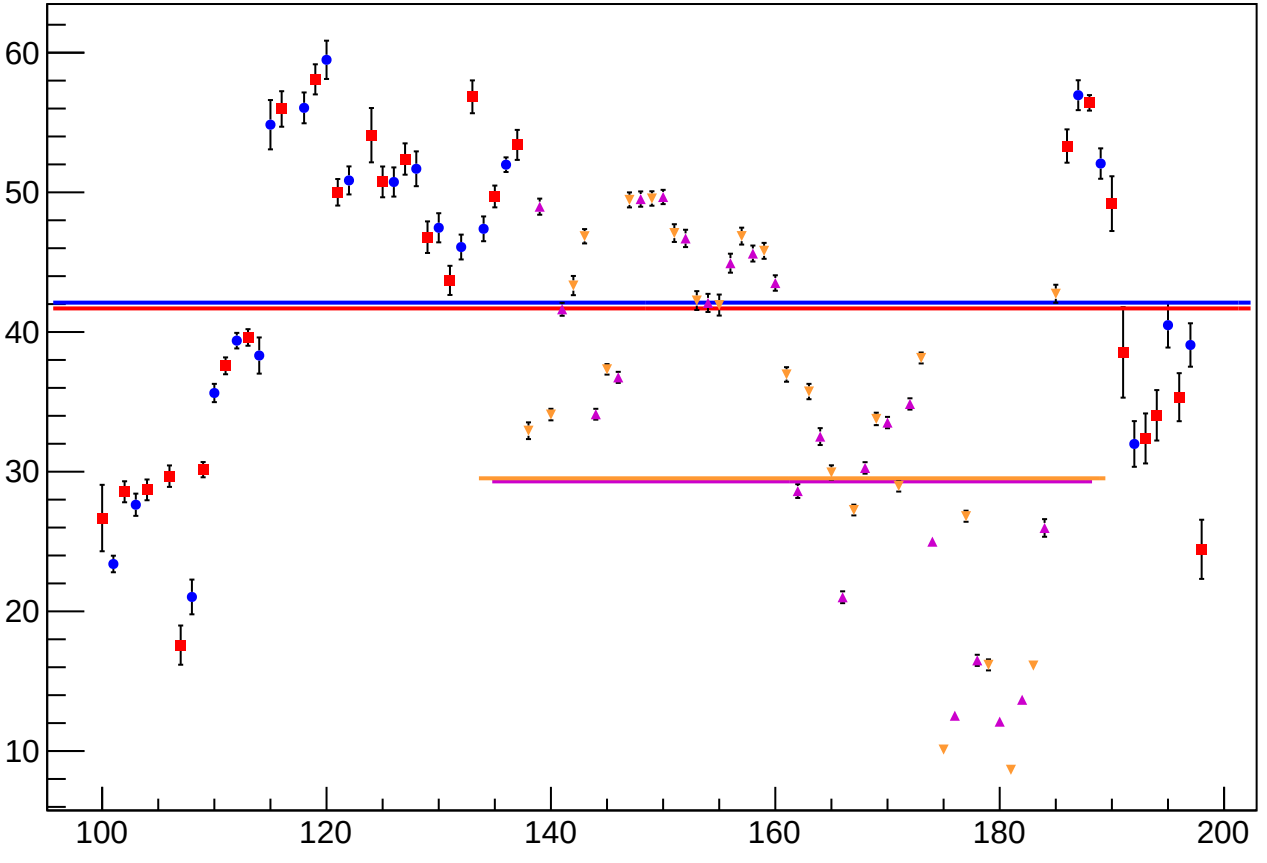
Right: 0.647+/-0.138 χ^2/NDF: 6031.0/47

In: 0.861+/-0.068 χ^2/NDF:9317.6/43

Out: 0.659+/-0.066 χ^2/NDF:10994.8/51

All: 0.758+/-0.047 χ^2/NDF: 20316.9/95

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 42.104+/-0.198 χ^2/NDF: 3076.3/20

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 41.689+/-0.183 χ^2/NDF: 3679.5/26

Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

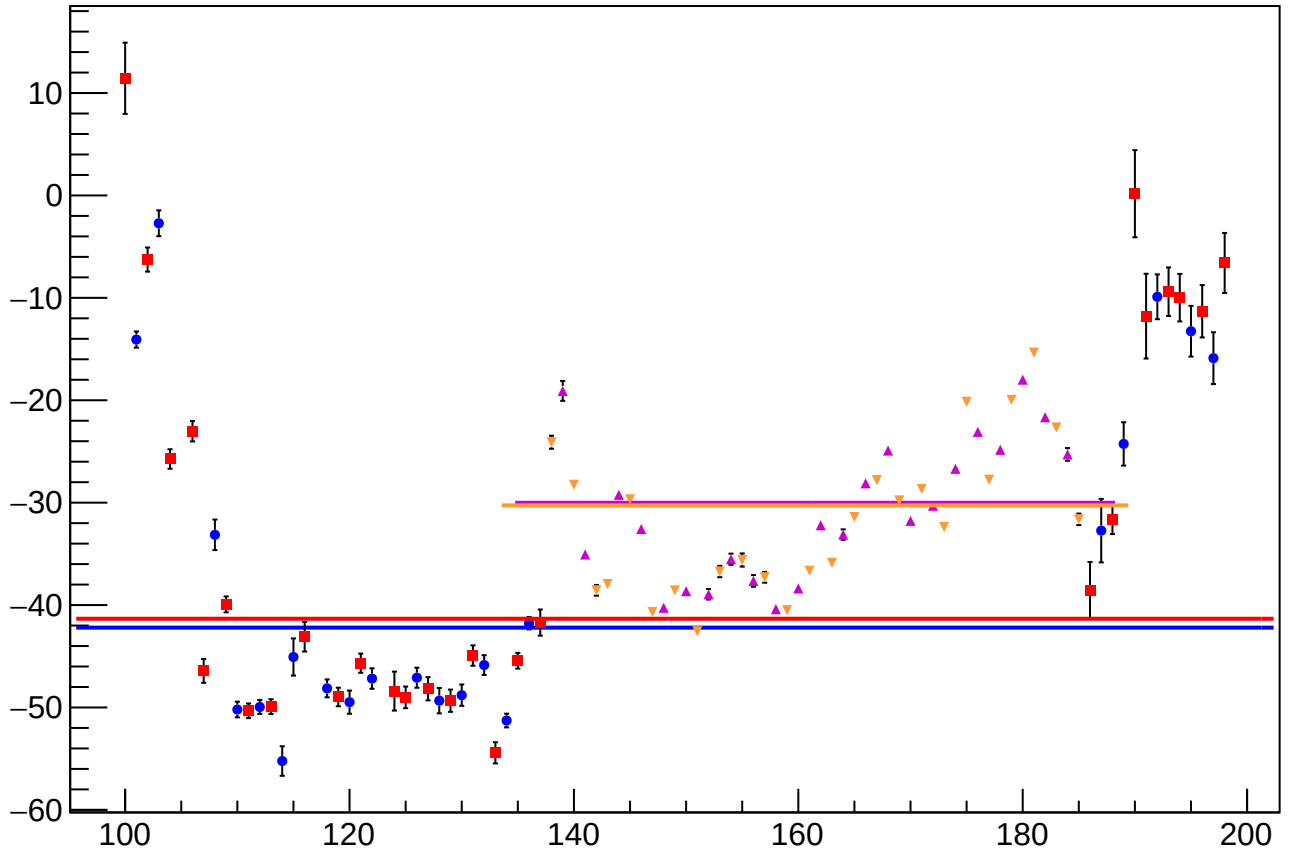
Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

Right: 41.880+/-0.135 χ^2/NDF: 6758.2/47

In: 31.617+/-0.084 χ^2/NDF:24359.8/43

Out: 31.914+/-0.081 χ^2/NDF:28302.8/51

All: 31.771+/-0.058 χ^2/NDF: 52669.1/95



Right In: -42.203+/-0.224 χ^2/NDF: 3551.4/20

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -41.335+/-0.221 χ^2/NDF: 3334.7/26

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

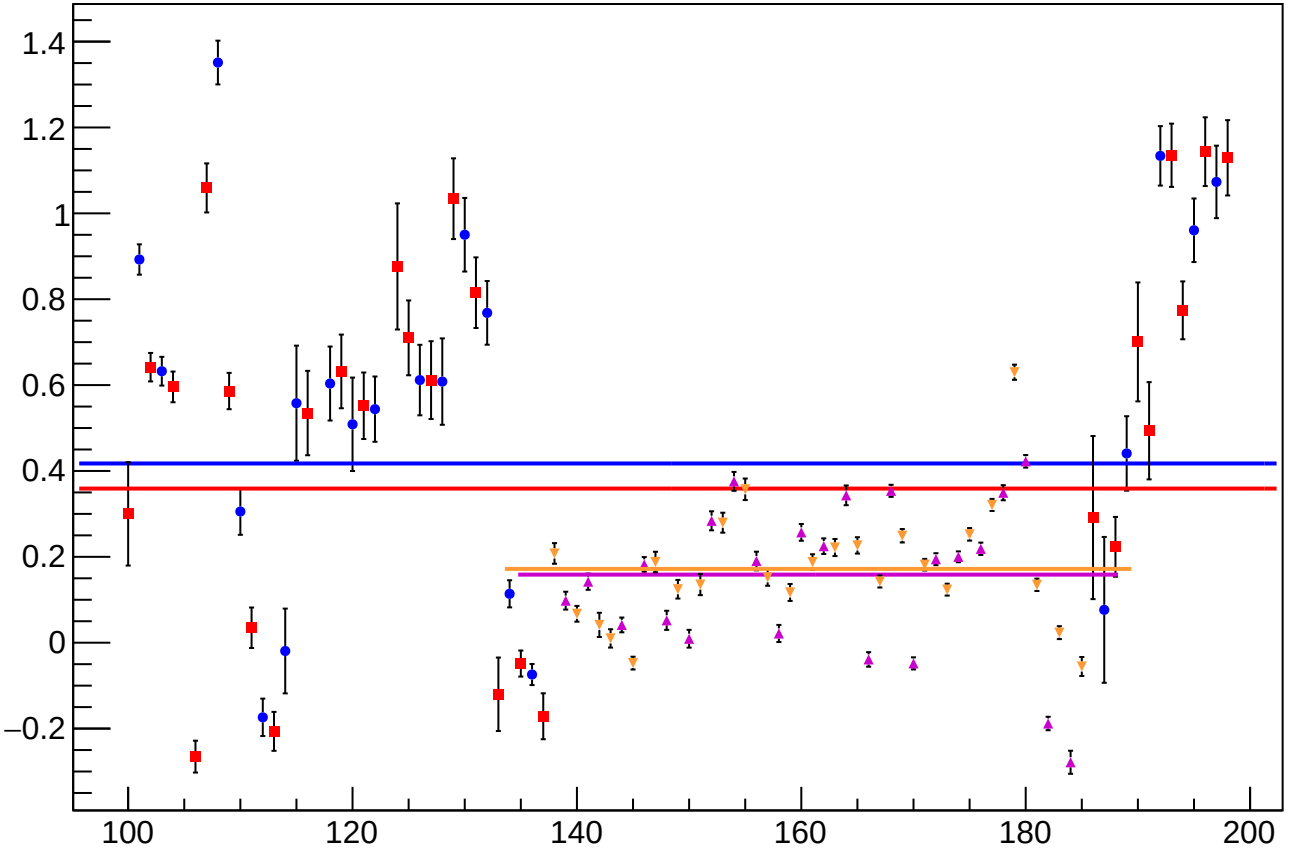
Right: -41.763+/-0.158 χ^2/NDF: 6893.7/47

In: -31.427+/-0.076 χ^2/NDF:12245.0/43

Out: -31.526+/-0.075 χ^2/NDF:14051.6/51

All: -31.478+/-0.053 χ^2/NDF: 26297.4/95

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.417+/-0.012 χ^2/NDF: 1562.7/20

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.359+/-0.011 χ^2/NDF: 1563.2/26

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

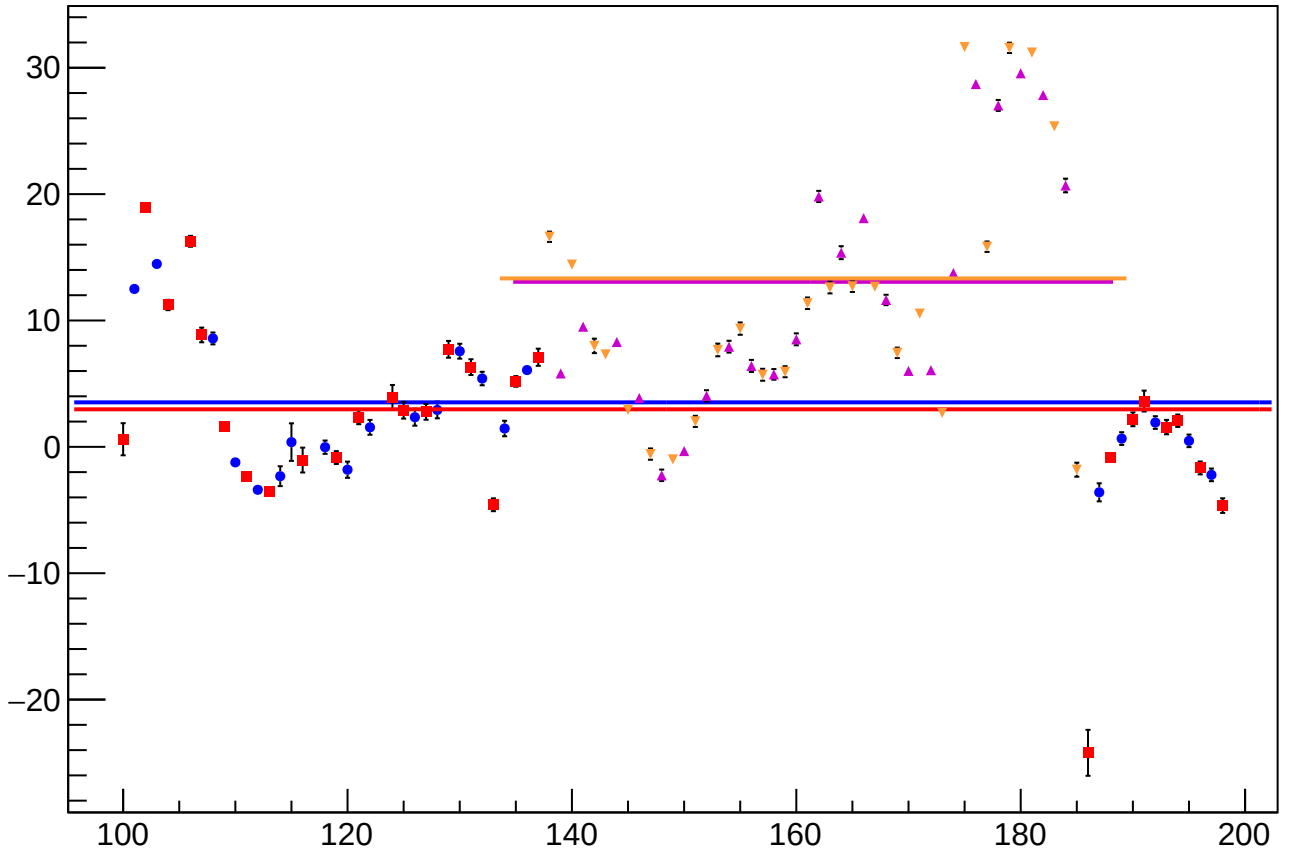
Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

Right: 0.387+/-0.008 χ^2/NDF: 3138.9/47

In: 0.182+/-0.003 χ^2/NDF:4202.8/43

Out: 0.189+/-0.003 χ^2/NDF:3315.3/51

All: 0.185+/-0.002 χ^2/NDF: 7520.3/95



Right In: 3.521+/-0.105 χ^2/NDF: 2993.4/20

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 2.971+/-0.092 χ^2/NDF: 5076.3/26

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

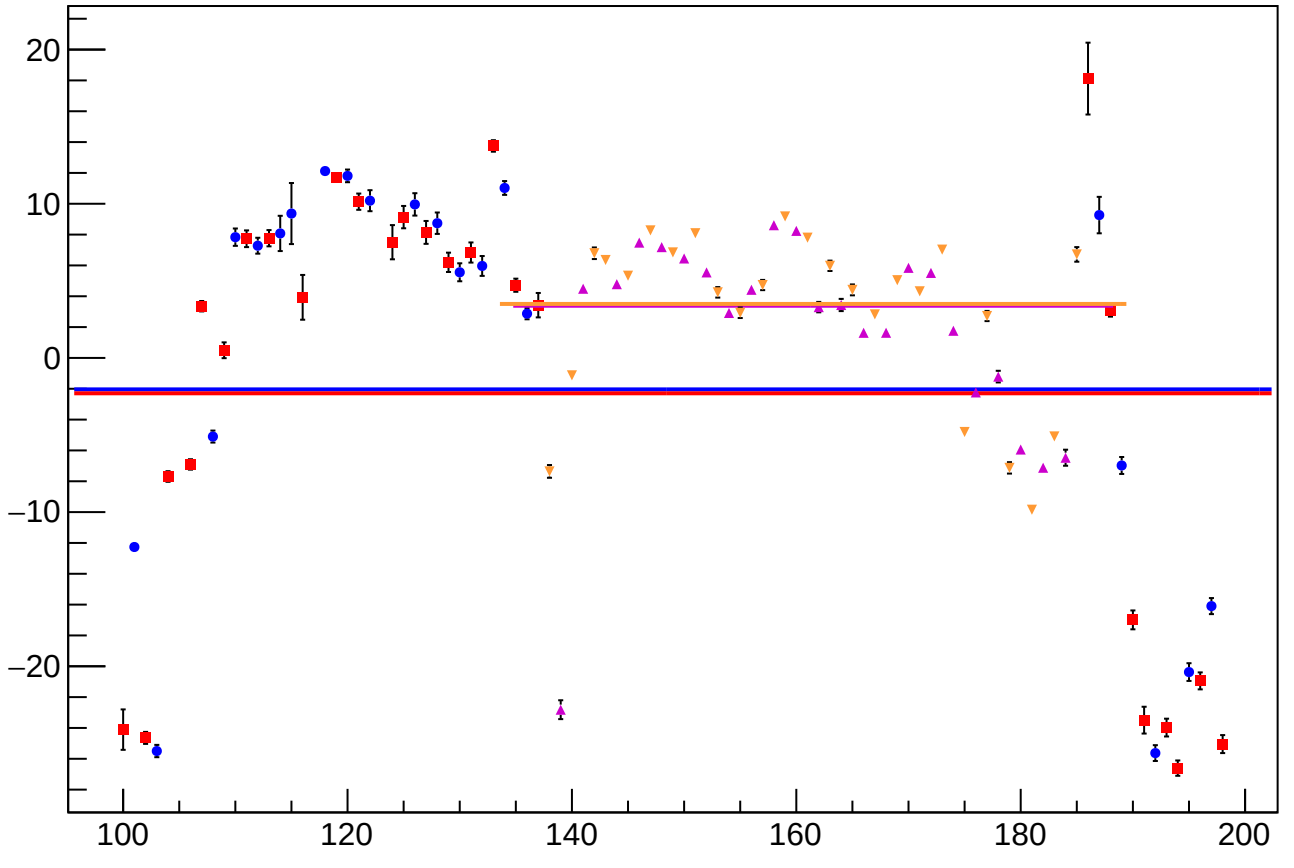
Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

Right: 3.210+/-0.069 χ^2/NDF: 8085.3/47

In: 9.587+/-0.063 χ^2/NDF:23820.4/43

Out: 9.076+/-0.059 χ^2/NDF:31987.1/51

All: 9.314+/-0.043 χ^2/NDF: 55842.4/95



Right In: -2.041+/-0.106 χ^2/NDF: 15047.8/20

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -2.294+/-0.097 χ^2/NDF: 18417.4/26

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

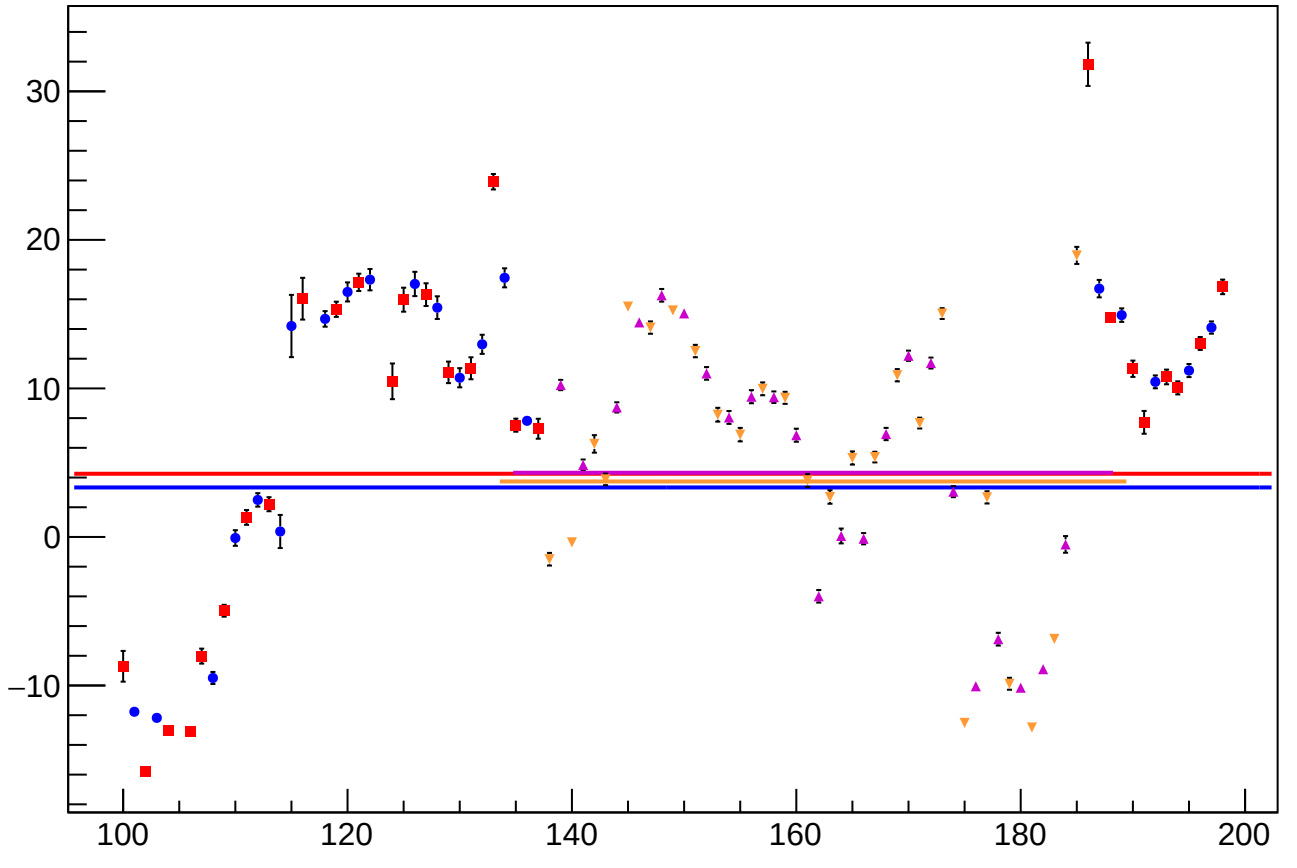
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: -2.178+/-0.072 χ^2/NDF: 33468.3/47

In: 2.036+/-0.053 χ^2/NDF:23722.5/43

Out: 1.962+/-0.050 χ^2/NDF:28932.0/51

All: 1.997+/-0.036 χ^2/NDF: 52655.5/95



Right In: 3.333+/-0.103 χ^2/NDF: 12513.2/20

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 4.255+/-0.090 χ^2/NDF: 19109.1/26

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

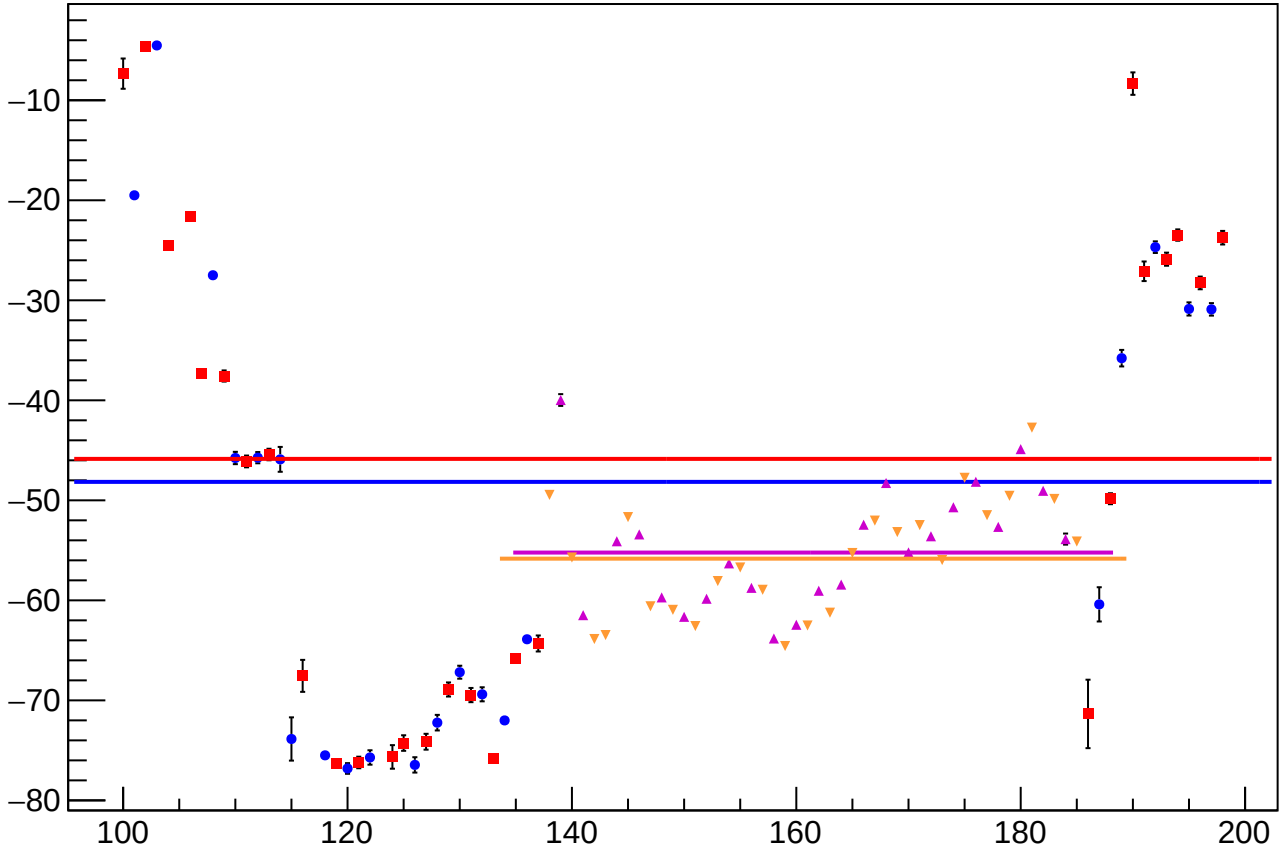
Right: 3.854+/-0.068 χ^2/NDF: 31667.6/47

In: 3.958+/-0.062 χ^2/NDF:25054.9/43

Out: 3.953+/-0.058 χ^2/NDF:34714.9/51

All: 3.956+/-0.043 χ^2/NDF: 59769.8/95

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -48.155+/-0.125 χ^2/NDF: 37645.9/20

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -45.856+/-0.116 χ^2/NDF: 40799.4/26

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

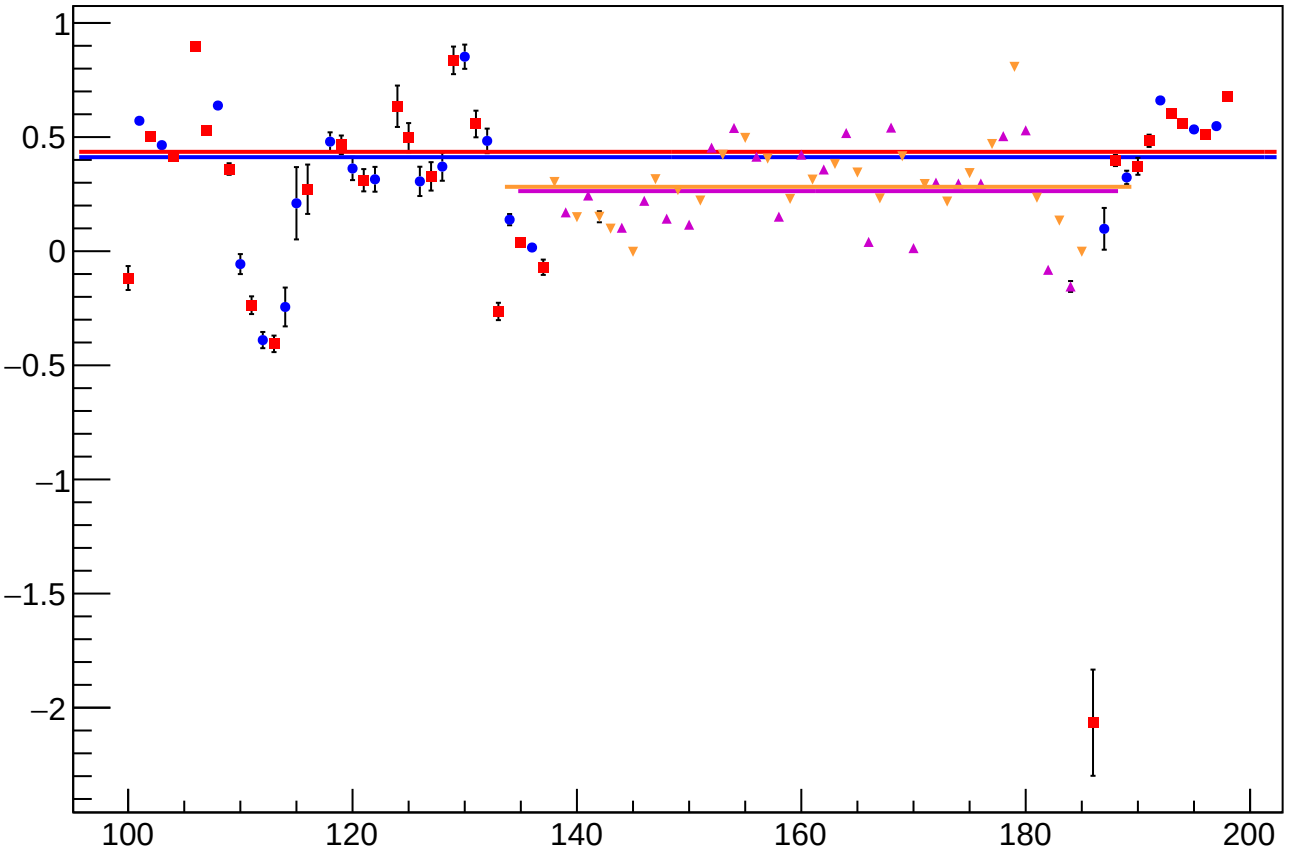
Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

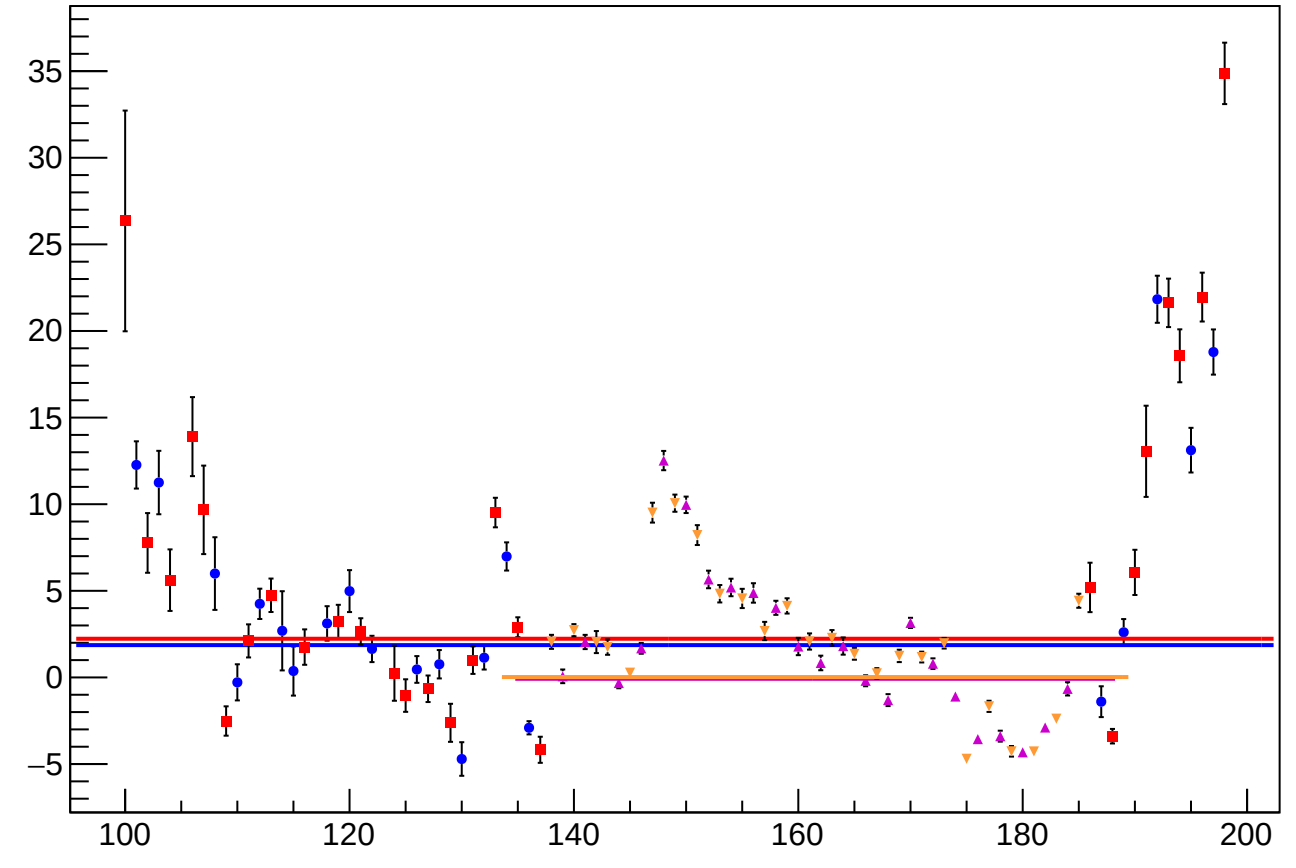
Right: -46.922+/-0.085 χ^2/NDF: 78626.4/47

In: -53.584+/-0.060 χ^2/NDF:46441.1/43

Out: -53.384+/-0.058 χ^2/NDF:53941.4/51

All: -53.479+/-0.042 χ^2/NDF: 100388.4/95


reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
−1.5
−2
100
120
140
160
180
200
Right In: 0.412+/-0.005 χ²/NDF: 2214.0/20
Left Out: 0.282+/-0.003 χ²/NDF:2712.4/24
Right Out: 0.435+/-0.005 χ²/NDF: 3284.2/26
Left In: 0.263+/-0.003 χ²/NDF:3835.8/22
Left: 0.273+/-0.002 χ²/NDF: 6568.0/47
Right: 0.425+/-0.004 χ²/NDF: 5508.5/47
In: 0.299+/-0.003 χ²/NDF:6623.6/43
Out: 0.323+/-0.003 χ²/NDF:6710.6/51
All: 0.312+/-0.002 χ²/NDF: 13379.7/95



Right In: 1.865+/-0.193 χ^2/NDF: 832.3/20

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 2.234+/-0.186 χ^2/NDF: 1349.7/26

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

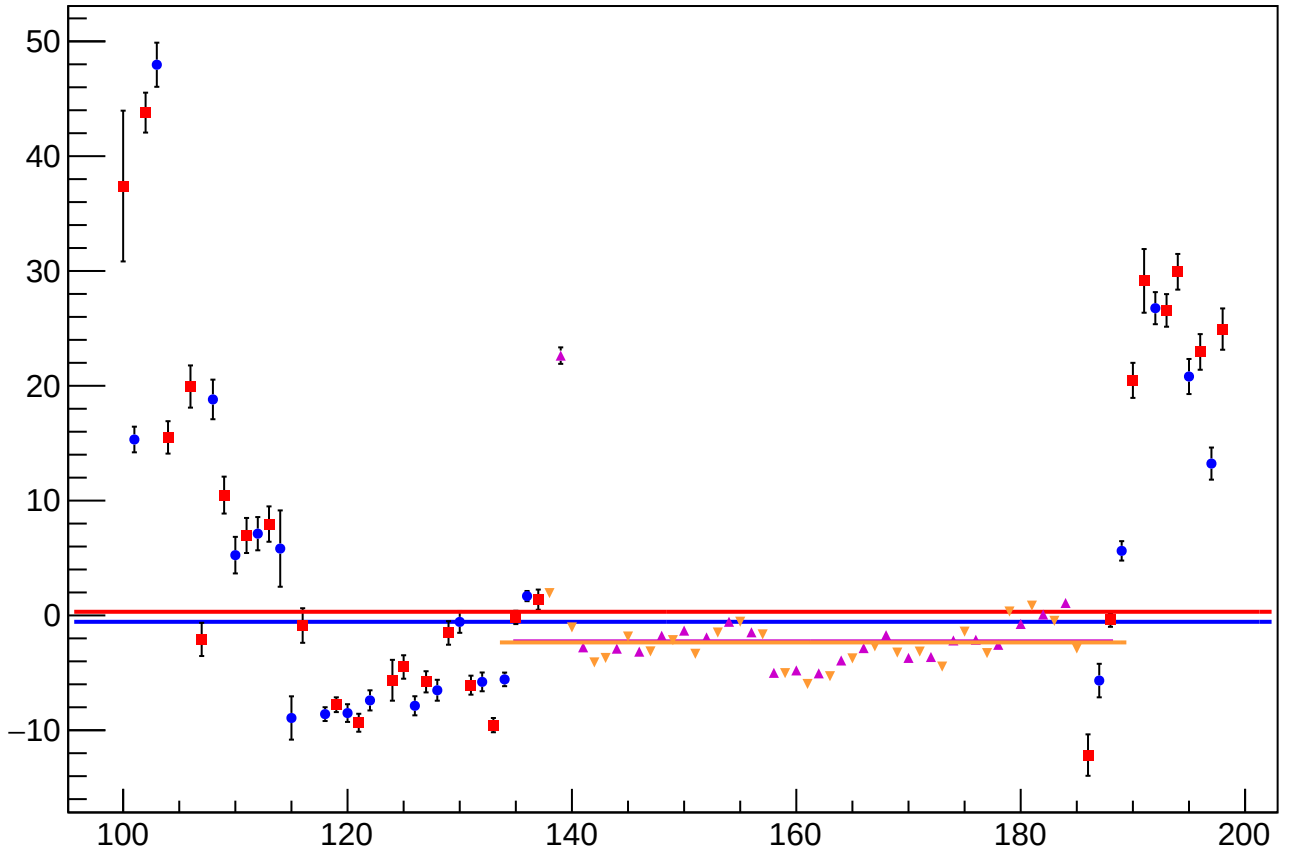
Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

Right: 2.056+/-0.134 χ^2/NDF: 2184.0/47

In: 0.151+/-0.066 χ^2/NDF:3386.5/43

Out: 0.285+/-0.064 χ^2/NDF:4233.1/51

All: 0.220+/-0.046 χ^2/NDF: 7621.8/95



Right In: -0.557+/-0.200 χ^2/NDF: 2374.6/20

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 0.317+/-0.202 χ^2/NDF: 3116.5/26

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

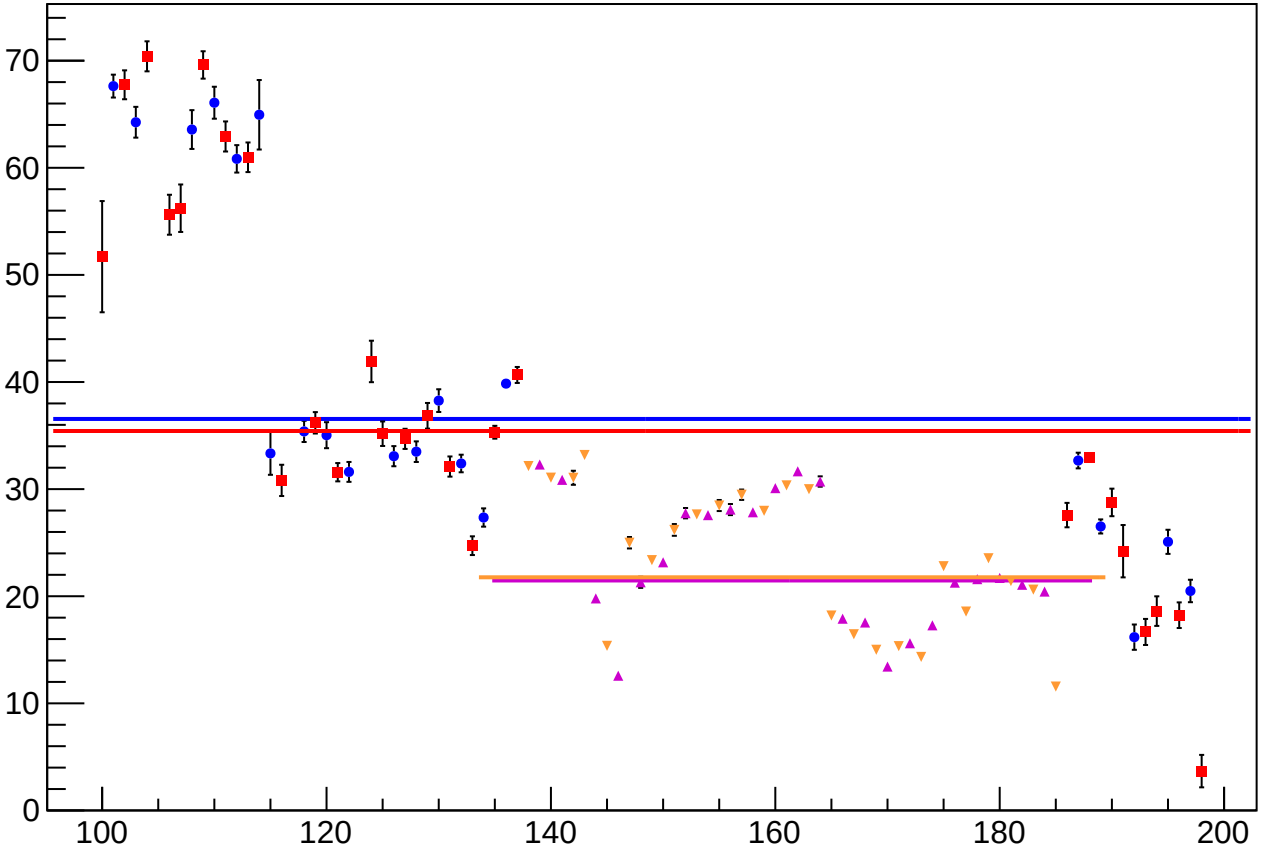
Right: -0.124+/-0.142 χ^2/NDF: 5500.5/47

In: -2.132+/-0.054 χ^2/NDF:4318.5/43

Out: -2.168+/-0.053 χ^2/NDF:4404.0/51

All: -2.150+/-0.038 χ^2/NDF: 8722.7/95

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 36.552+/-0.199 χ^2/NDF: 3441.0/20

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 35.427+/-0.187 χ^2/NDF: 4287.0/26

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

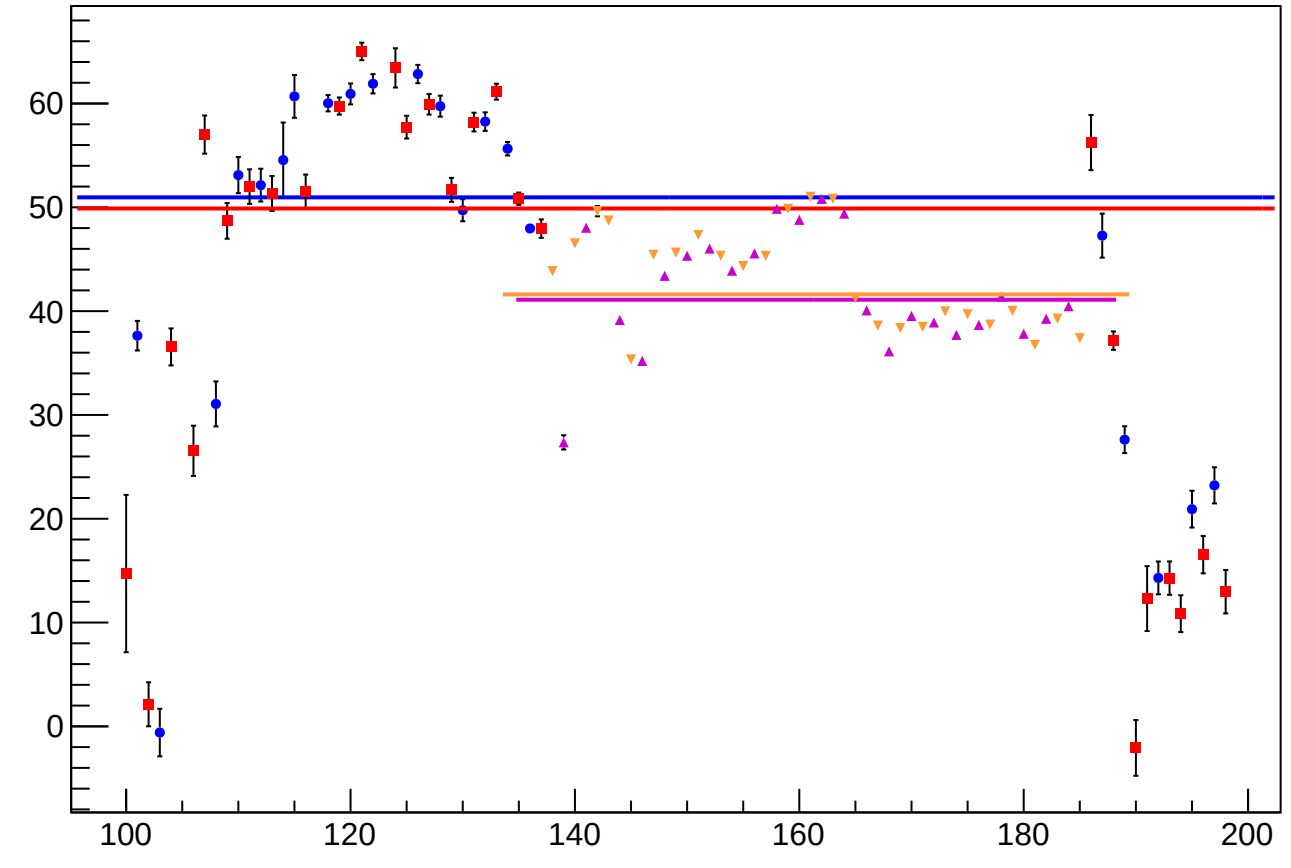
Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

Right: 35.955+/-0.136 χ^2/NDF: 7745.0/47

In: 23.159+/-0.067 χ^2/NDF:14330.6/43

Out: 23.397+/-0.065 χ^2/NDF:15792.8/51

All: 23.281+/-0.046 χ^2/NDF: 30130.0/95



Right In: 50.960+/-0.227 χ^2/NDF: 2905.1/20

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 49.887+/-0.235 χ^2/NDF: 4036.8/26

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

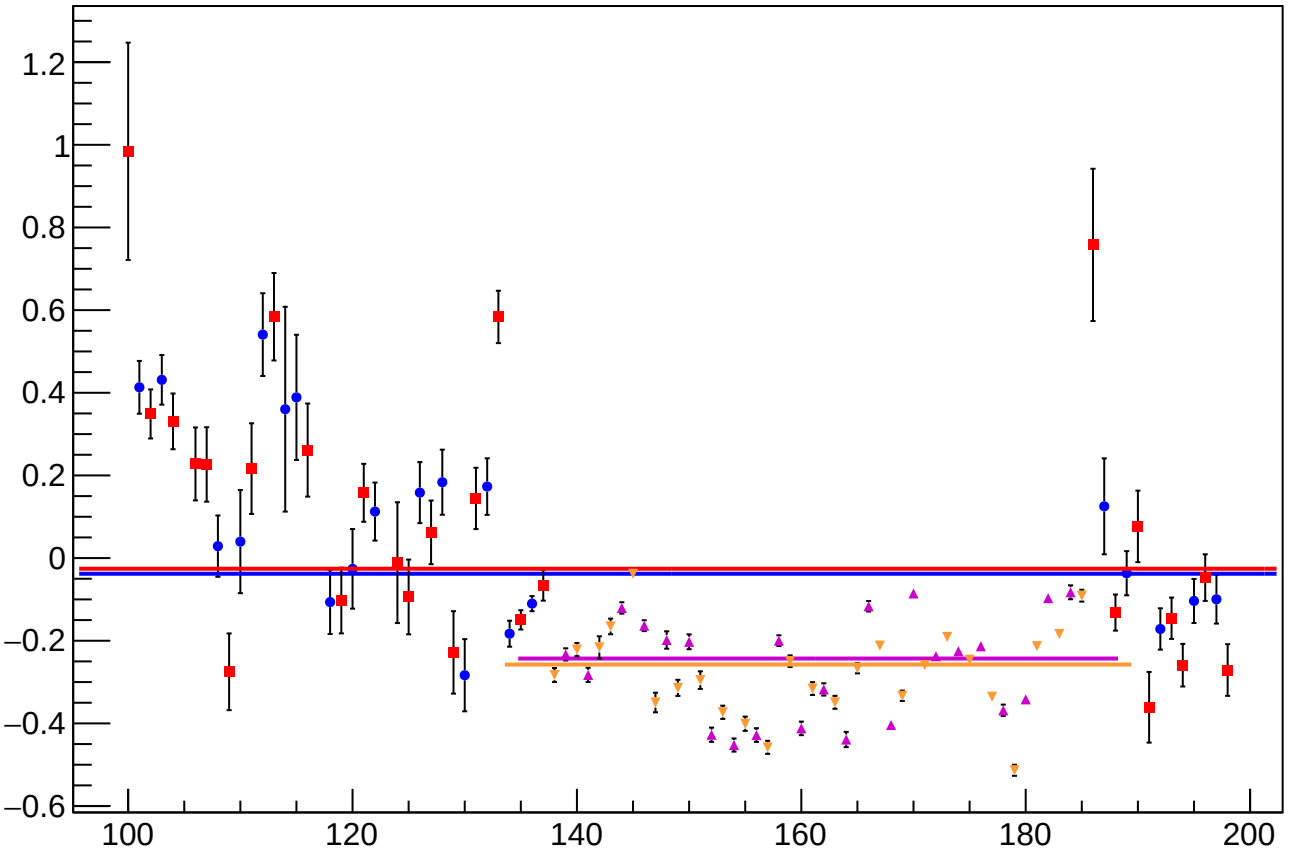
Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

Right: 50.441+/-0.163 χ^2/NDF: 6952.6/47

In: 41.795+/-0.060 χ^2/NDF:10134.5/43

Out: 42.140+/-0.059 χ^2/NDF:10975.8/51

All: 41.971+/-0.042 χ^2/NDF: 21126.9/95



Right In: -0.038+/-0.011 χ^2/NDF: 242.5/20

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: -0.026+/-0.012 χ^2/NDF: 373.8/26

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

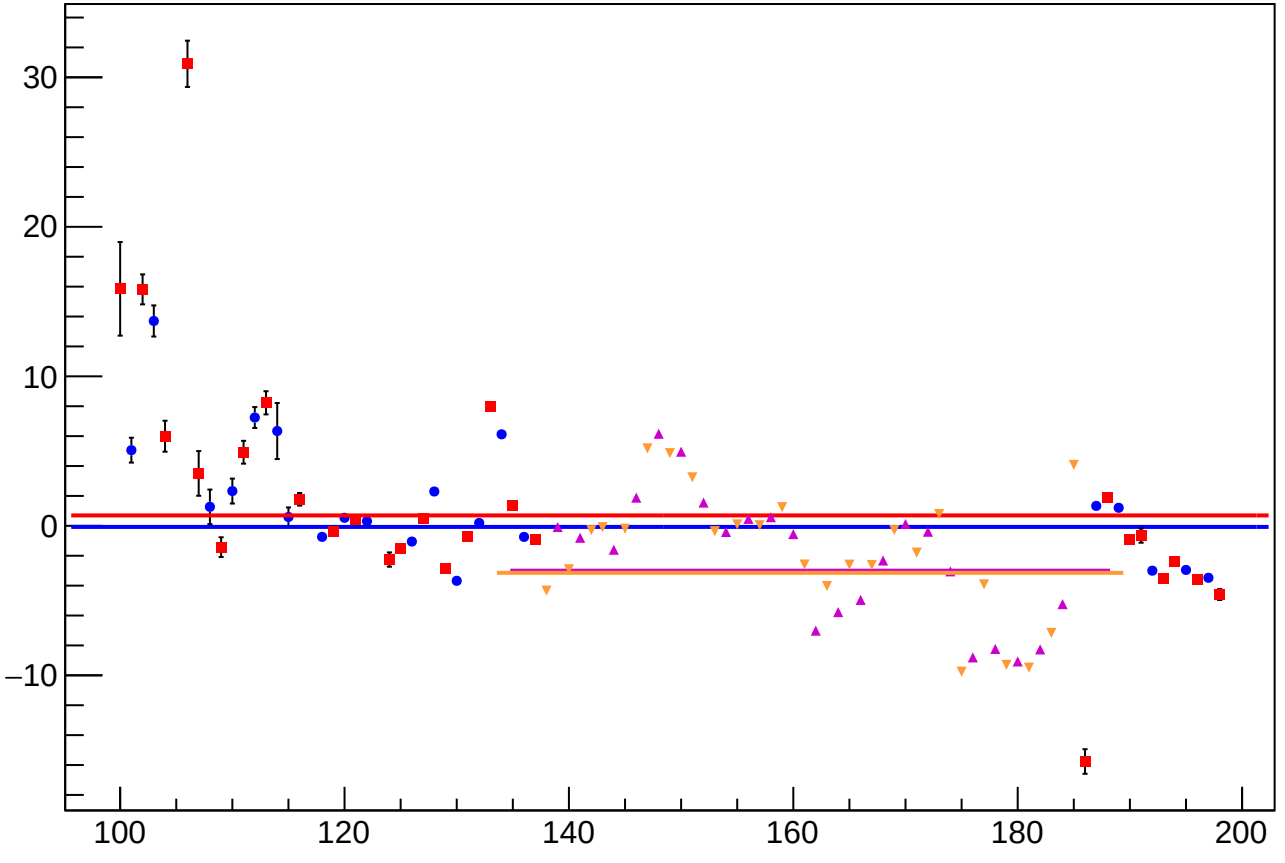
Right: -0.032+/-0.008 χ^2/NDF: 616.8/47

In: -0.232+/-0.003 χ^2/NDF:2355.4/43

Out: -0.246+/-0.003 χ^2/NDF:2251.4/51

All: -0.239+/-0.002 χ^2/NDF: 4621.1/95

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.072+/-0.065 χ^2/NDF: 1536.5/20

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 0.697+/-0.059 χ^2/NDF: 3795.7/26

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

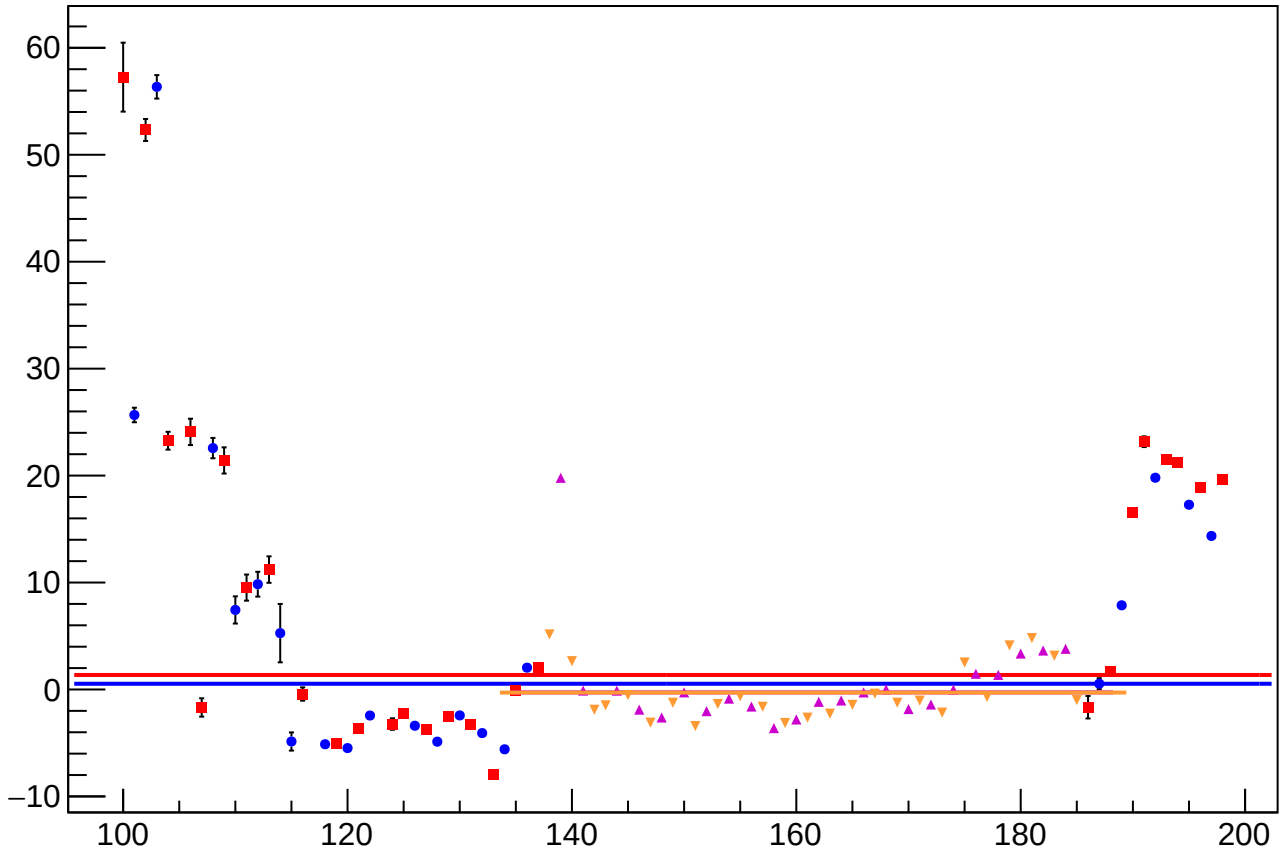
Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

Right: 0.355+/-0.044 χ^2/NDF: 5408.7/47

In: -2.534+/-0.026 χ^2/NDF:25642.8/43

Out: -2.443+/-0.025 χ^2/NDF:32659.3/51

All: -2.487+/-0.018 χ^2/NDF: 58308.4/95



Right In: 0.535+/-0.063 χ^2/NDF: 19229.4/20

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 1.357+/-0.059 χ^2/NDF: 29938.8/26

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

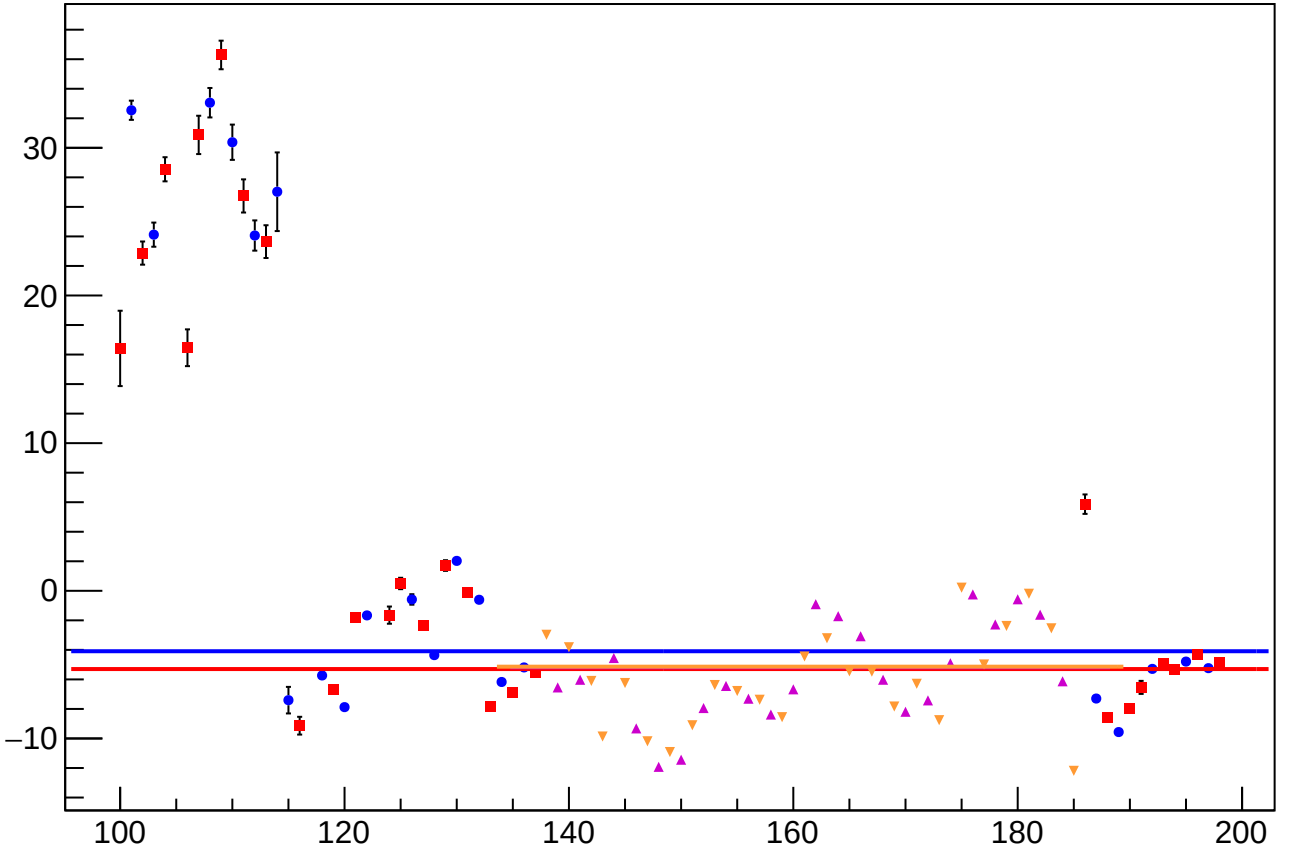
Right: 0.972+/-0.043 χ^2/NDF: 49258.0/47

In: -0.182+/-0.021 χ^2/NDF:32594.8/43

Out: -0.092+/-0.020 χ^2/NDF:42814.2/51

All: -0.136+/-0.015 χ^2/NDF: 75418.4/95

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -4.092+/-0.066 χ^2/NDF: 9346.5/20

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.298+/-0.056 χ^2/NDF: 10479.2/26

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

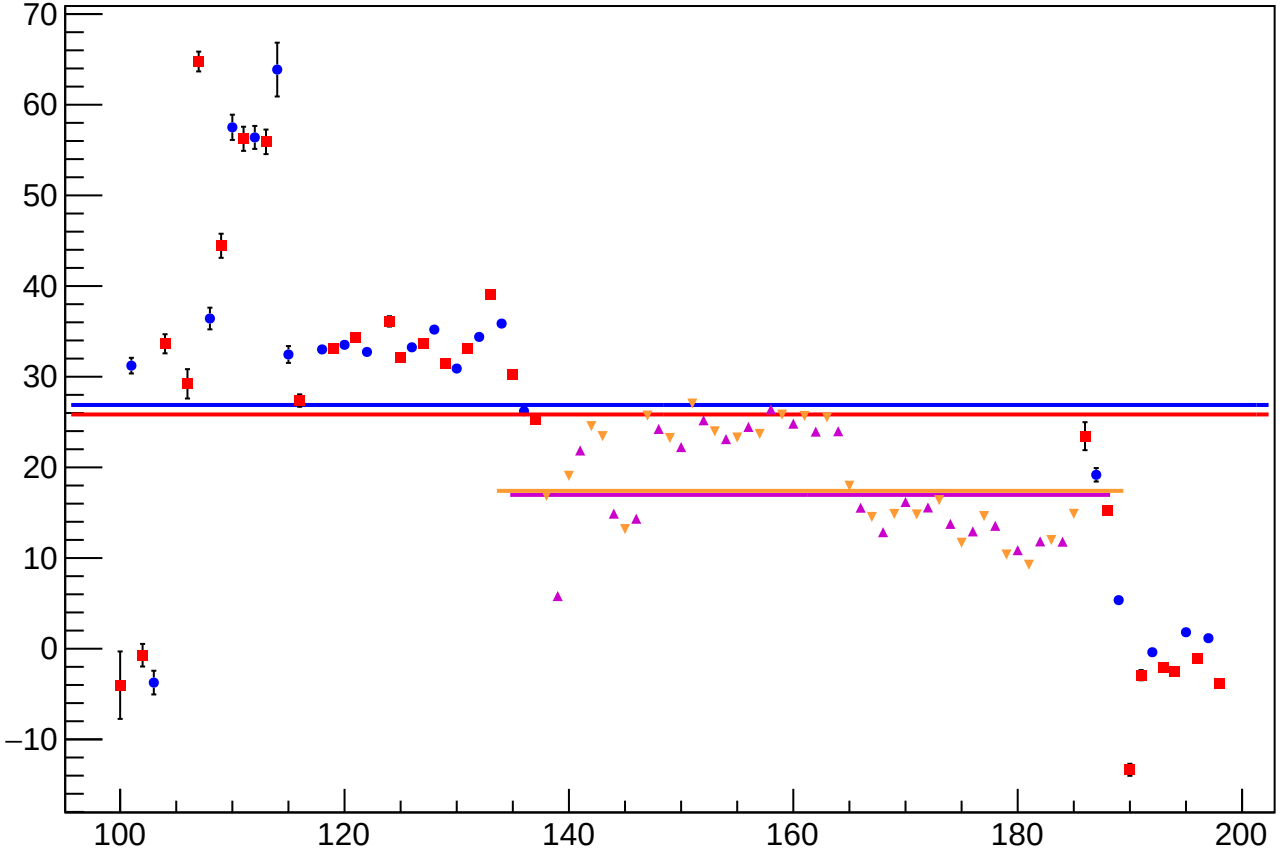
Right: -4.787+/-0.043 χ^2/NDF: 20021.3/47

In: -5.005+/-0.026 χ^2/NDF:23541.3/43

Out: -5.169+/-0.025 χ^2/NDF:25111.8/51

All: -5.091+/-0.018 χ^2/NDF: 48673.8/95

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 26.884+/-0.074 χ^2/NDF: 26799.4/20

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 25.837+/-0.070 χ^2/NDF: 45757.2/26

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

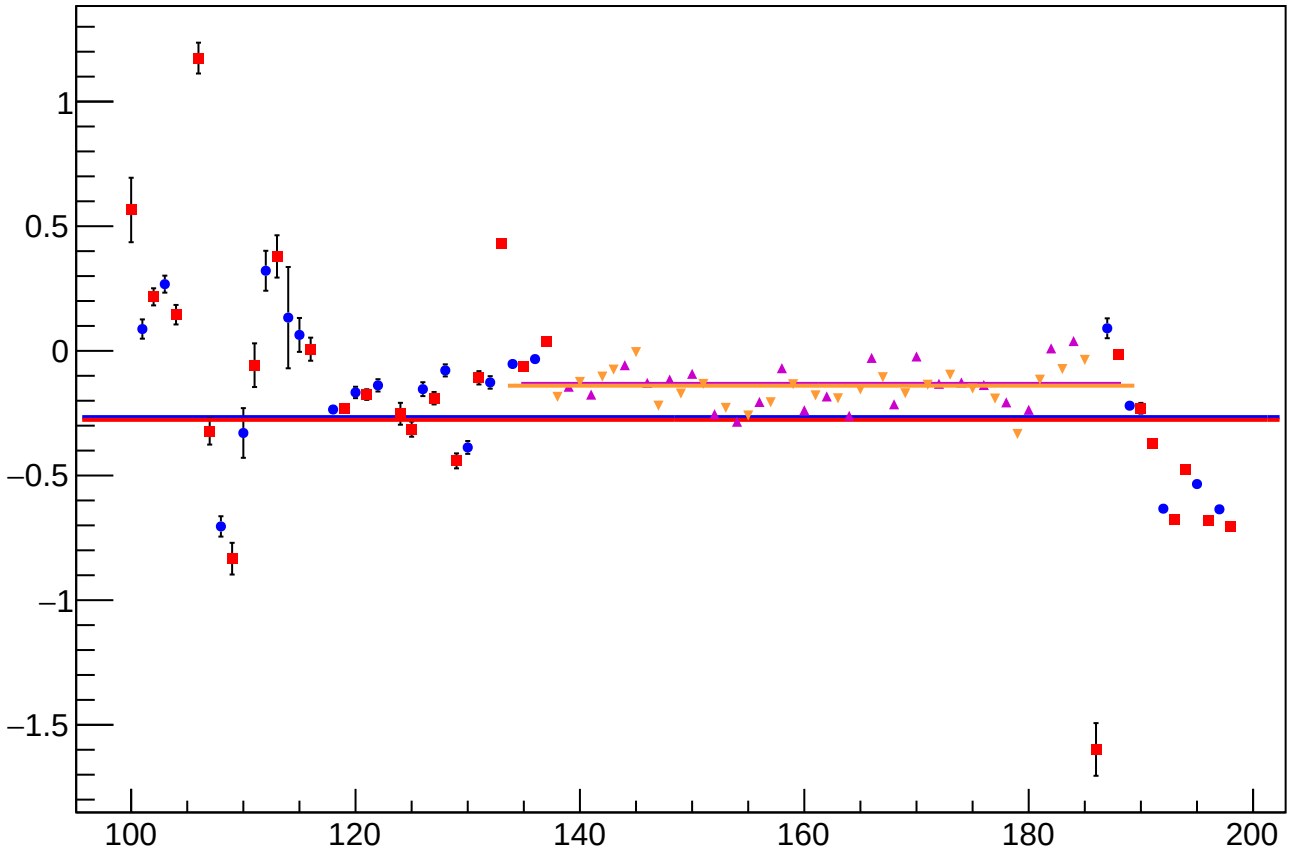
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 26.336+/-0.051 χ^2/NDF: 72662.1/47

In: 17.989+/-0.024 χ^2/NDF:82933.4/43

Out: 18.317+/-0.023 χ^2/NDF:109187.9/51

All: 18.157+/-0.017 χ^2/NDF: 192219.7/95



Right In: -0.266+/-0.004 χ^2/NDF: 5061.5/20

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.277+/-0.003 χ^2/NDF: 9507.3/26

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

Left: -0.136+/-0.001 χ^2/NDF: 9659.1/47

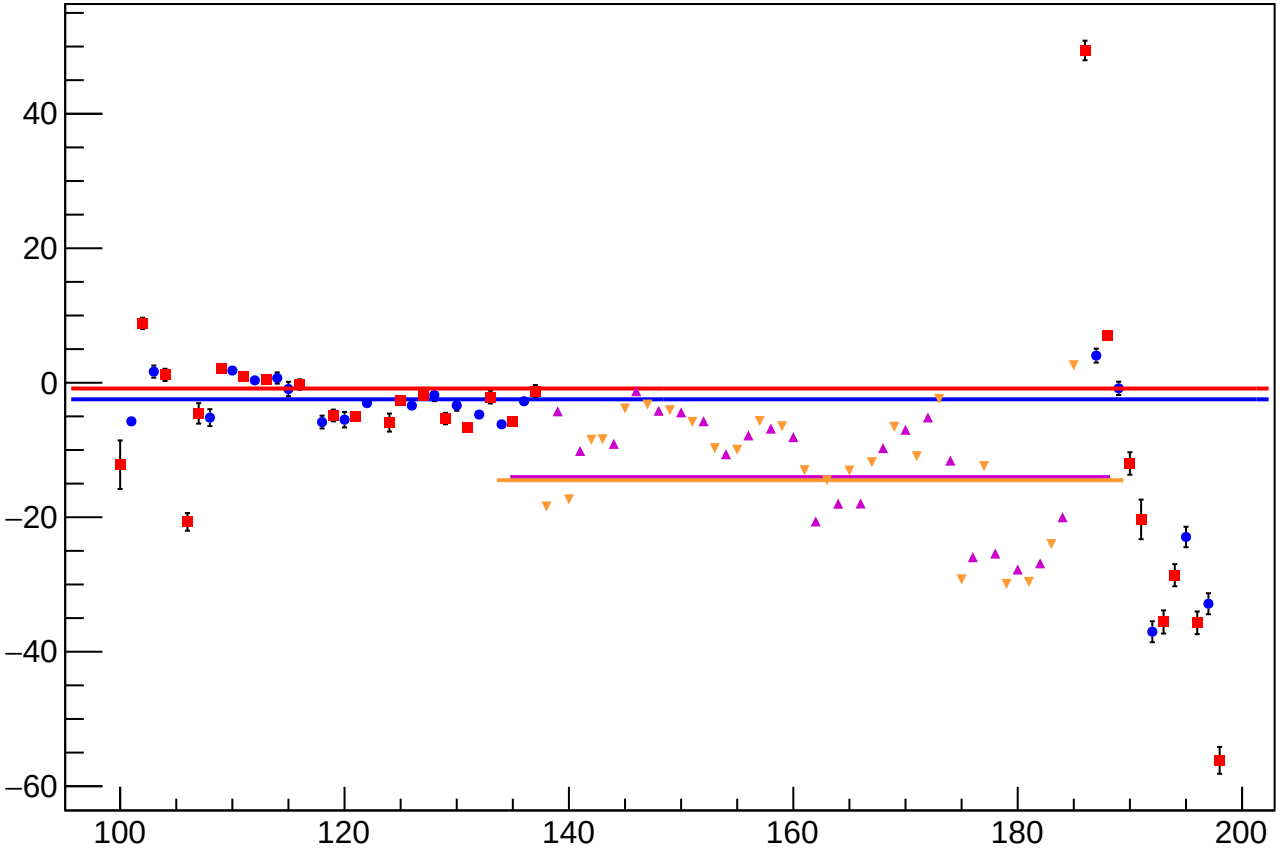
Right: -0.272+/-0.003 χ^2/NDF: 14573.6/47

In: -0.143+/-0.001 χ^2/NDF:11777.5/43

Out: -0.152+/-0.001 χ^2/NDF:15055.0/51

All: -0.148+/-0.001 χ^2/NDF: 26866.5/95

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.463+/-0.151 χ^2/NDF: 1410.0/20

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -0.856+/-0.140 χ^2/NDF: 4124.6/26

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

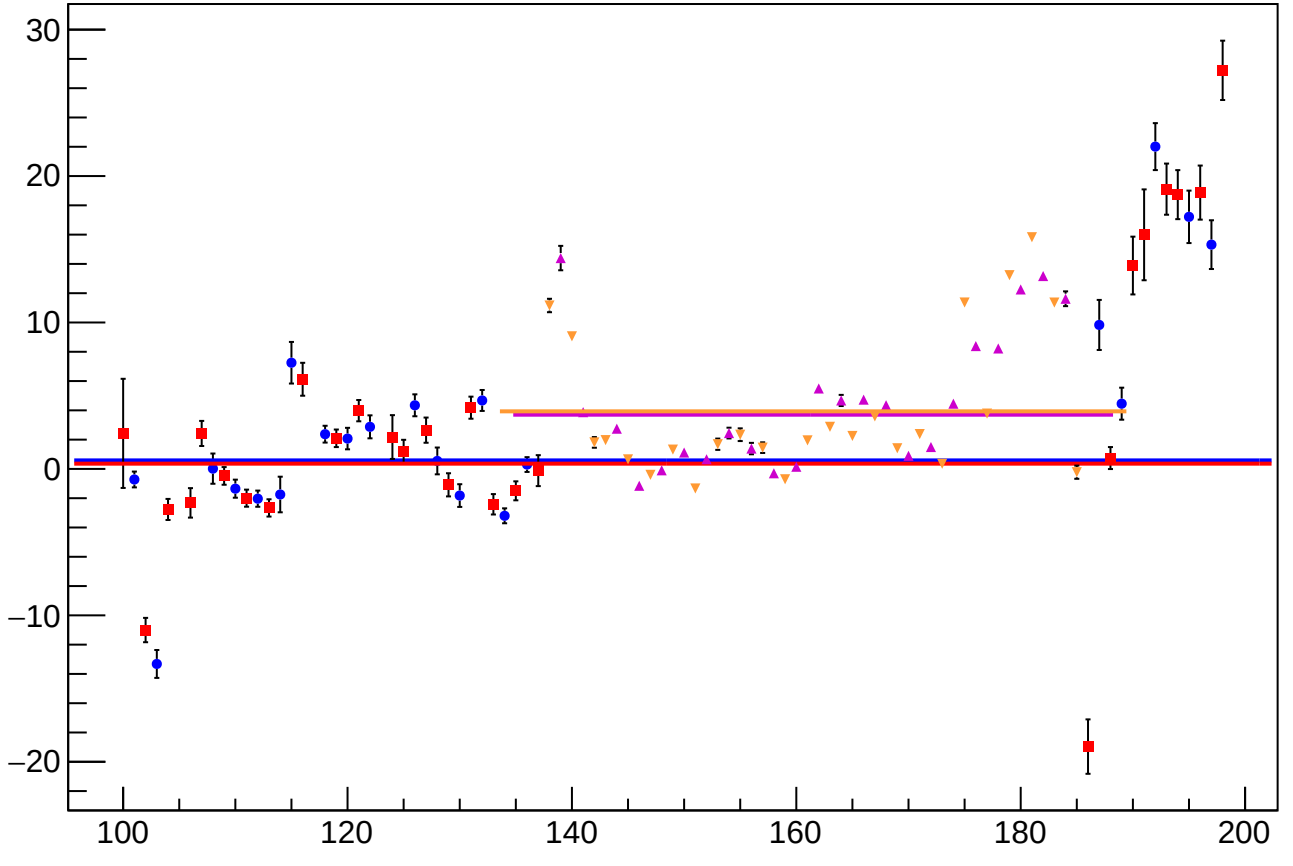
Right: -1.596+/-0.103 χ^2/NDF: 5595.5/47

In: -11.665+/-0.068 χ^2/NDF:19547.0/43

Out: -11.457+/-0.066 χ^2/NDF:28767.9/51

All: -11.557+/-0.047 χ^2/NDF: 48319.7/95

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.582+/-0.167 χ^2/NDF: 807.3/20

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 0.359+/-0.168 χ^2/NDF: 1078.4/26

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

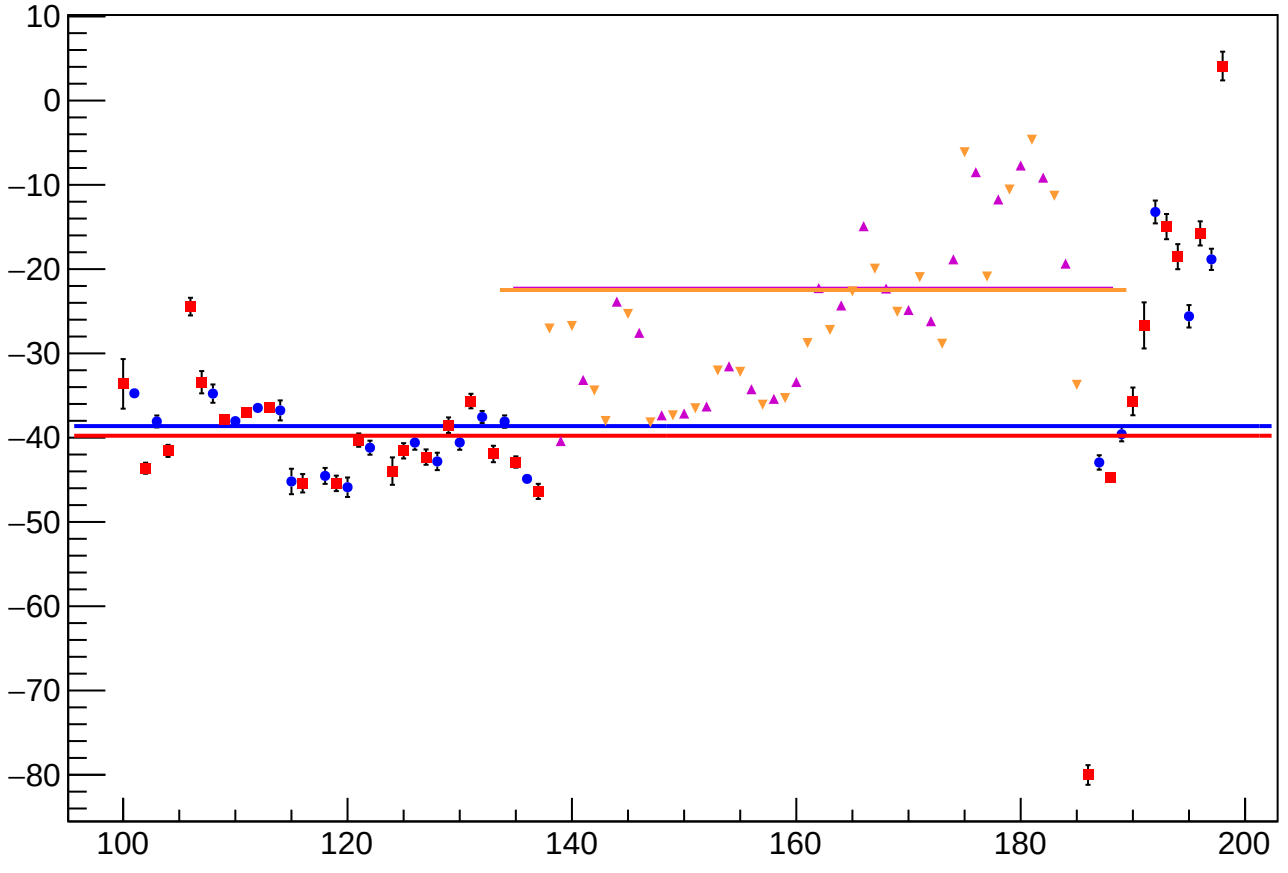
Right: 0.471+/-0.119 χ^2/NDF: 1886.5/47

In: 3.356+/-0.056 χ^2/NDF:5904.5/43

Out: 3.552+/-0.055 χ^2/NDF:8462.3/51

All: 3.456+/-0.039 χ^2/NDF: 14373.1/95

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -38.626+/-0.168 χ^2/NDF: 1152.0/20

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -39.770+/-0.160 χ^2/NDF: 3334.3/26

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

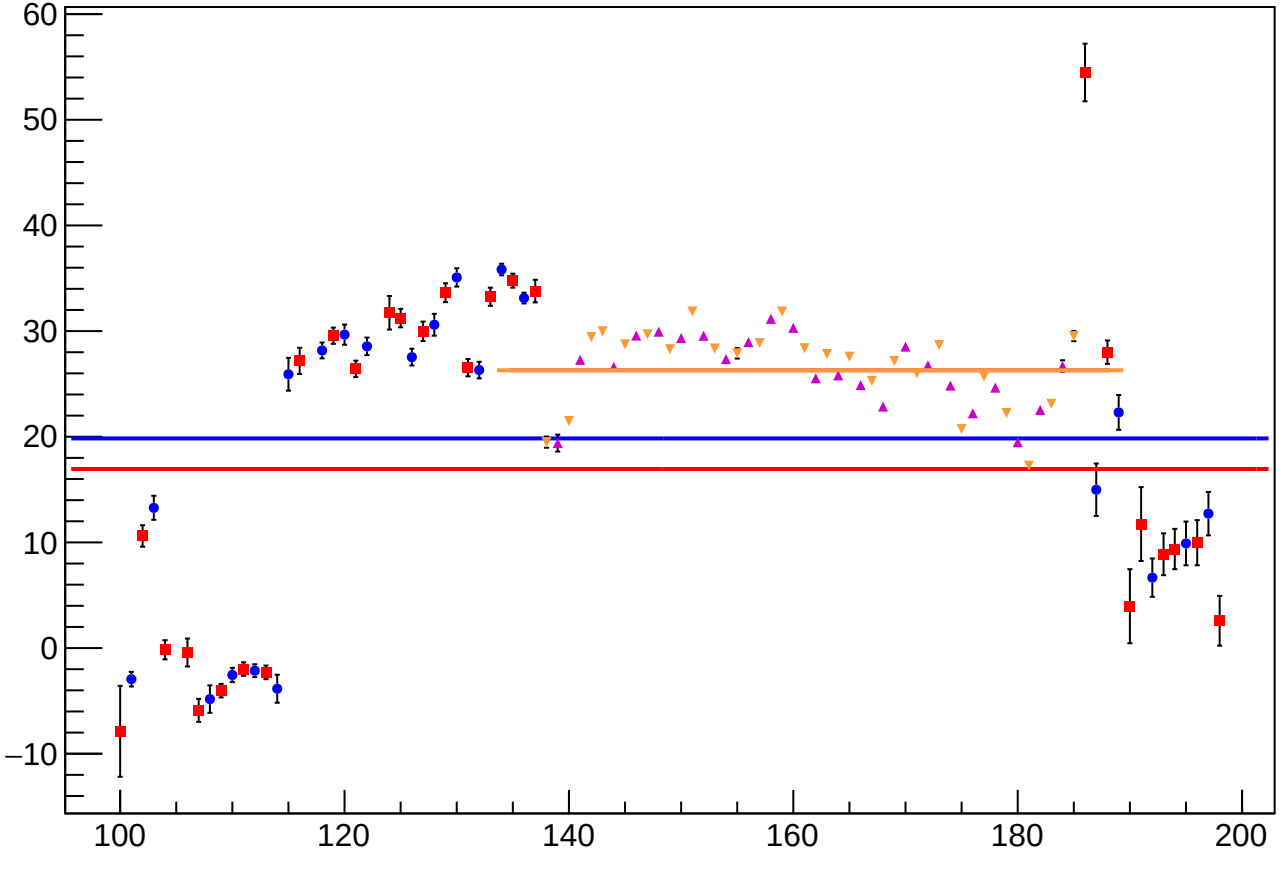
Right: -39.226+/-0.116 χ^2/NDF: 4510.5/47

In: -25.116+/-0.070 χ^2/NDF:26054.5/43

Out: -25.570+/-0.068 χ^2/NDF:33312.9/51

All: -25.350+/-0.049 χ^2/NDF: 59389.2/95

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.841+/-0.190 χ^2/NDF: 6780.8/20

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.948+/-0.192 χ^2/NDF: 7125.3/26

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

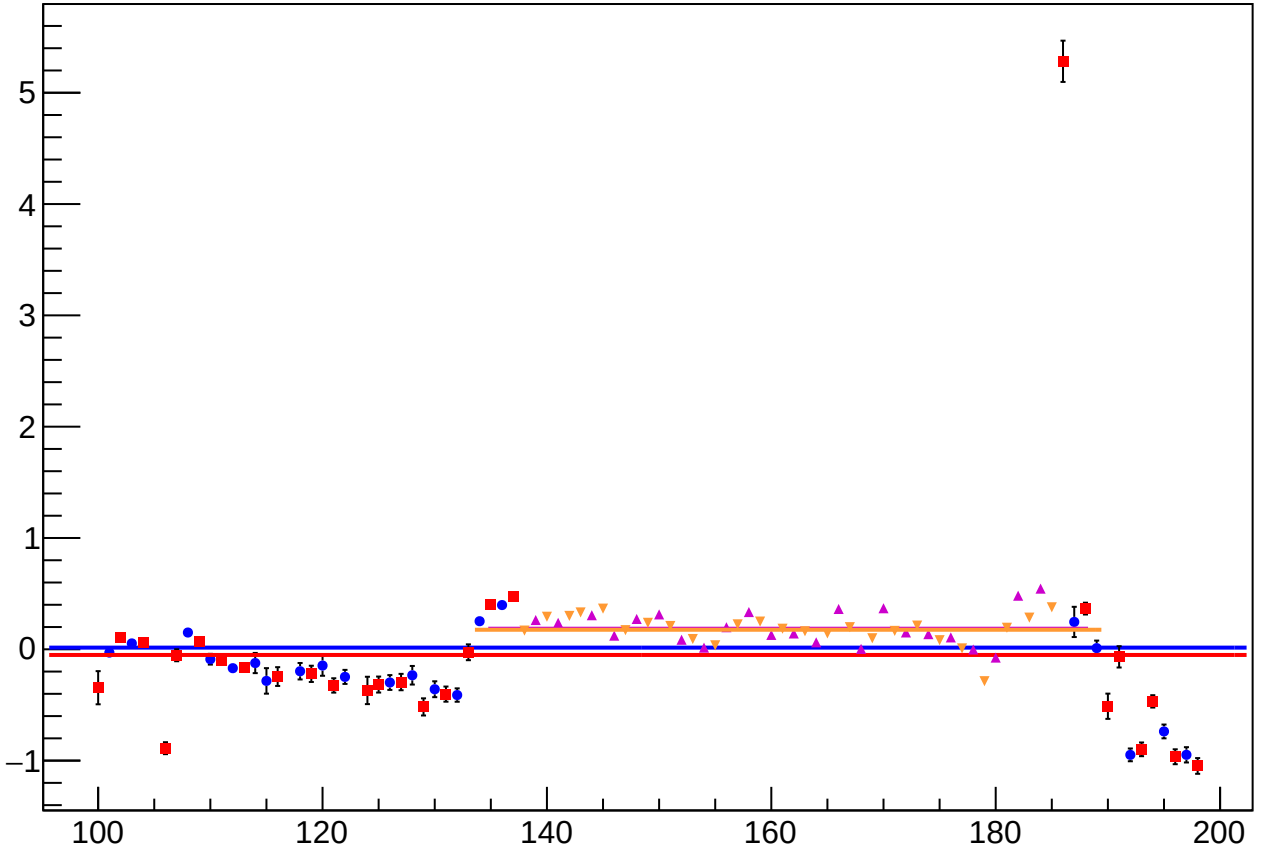
Right: 18.409+/-0.135 χ^2/NDF: 14020.8/47

In: 25.586+/-0.063 χ^2/NDF:9992.6/43

Out: 25.333+/-0.062 χ^2/NDF:12558.5/51

All: 25.457+/-0.044 χ^2/NDF: 22559.3/95

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.015+/-0.010 χ^2/NDF: 1242.9/20

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.051+/-0.010 χ^2/NDF: 2403.3/26

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

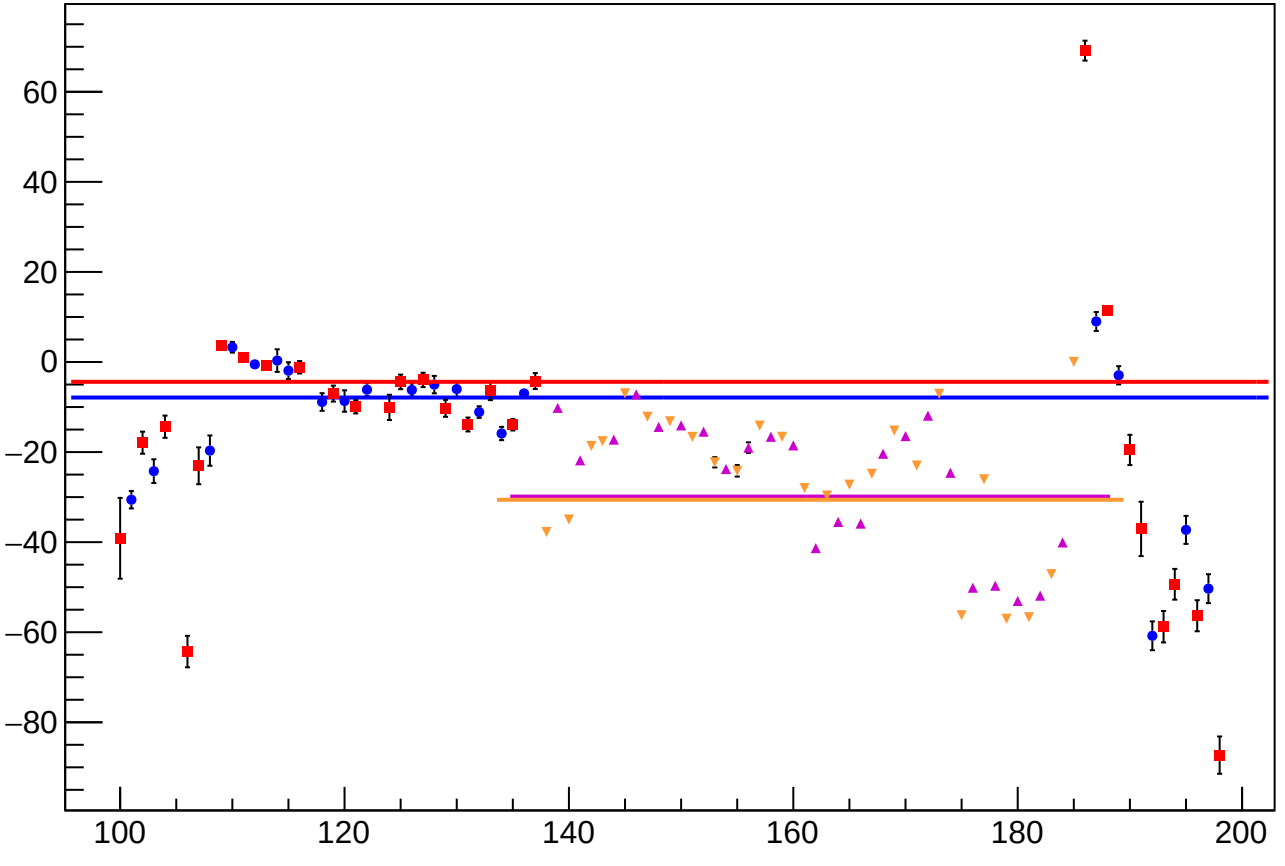
Right: -0.017+/-0.007 χ^2/NDF: 3668.0/47

In: 0.171+/-0.003 χ^2/NDF:4053.2/43

Out: 0.158+/-0.003 χ^2/NDF:4803.8/51

All: 0.164+/-0.002 χ^2/NDF: 8867.1/95

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -7.885+/-0.357 χ^2/NDF: 1006.1/20

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -4.399+/-0.337 χ^2/NDF: 3010.5/26

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

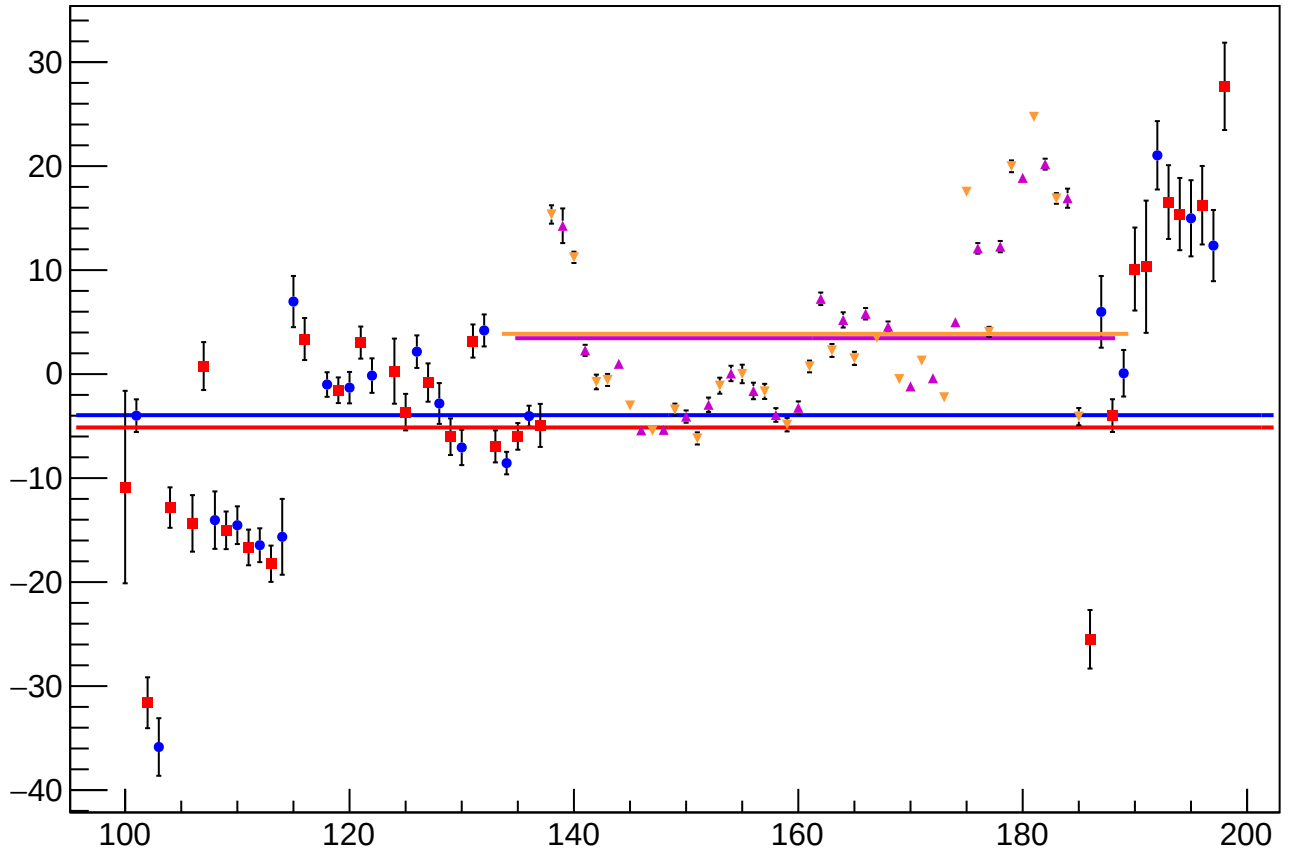
Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

Right: -6.045+/-0.245 χ^2/NDF: 4067.1/47

In: -26.715+/-0.135 χ^2/NDF:16294.2/43

Out: -26.641+/-0.131 χ^2/NDF:24172.1/51

All: -26.677+/-0.094 χ^2/NDF: 40466.5/95



Right In: -3.949+/-0.380 χ^2/NDF: 467.6/20

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -5.130+/-0.387 χ^2/NDF: 613.9/26

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

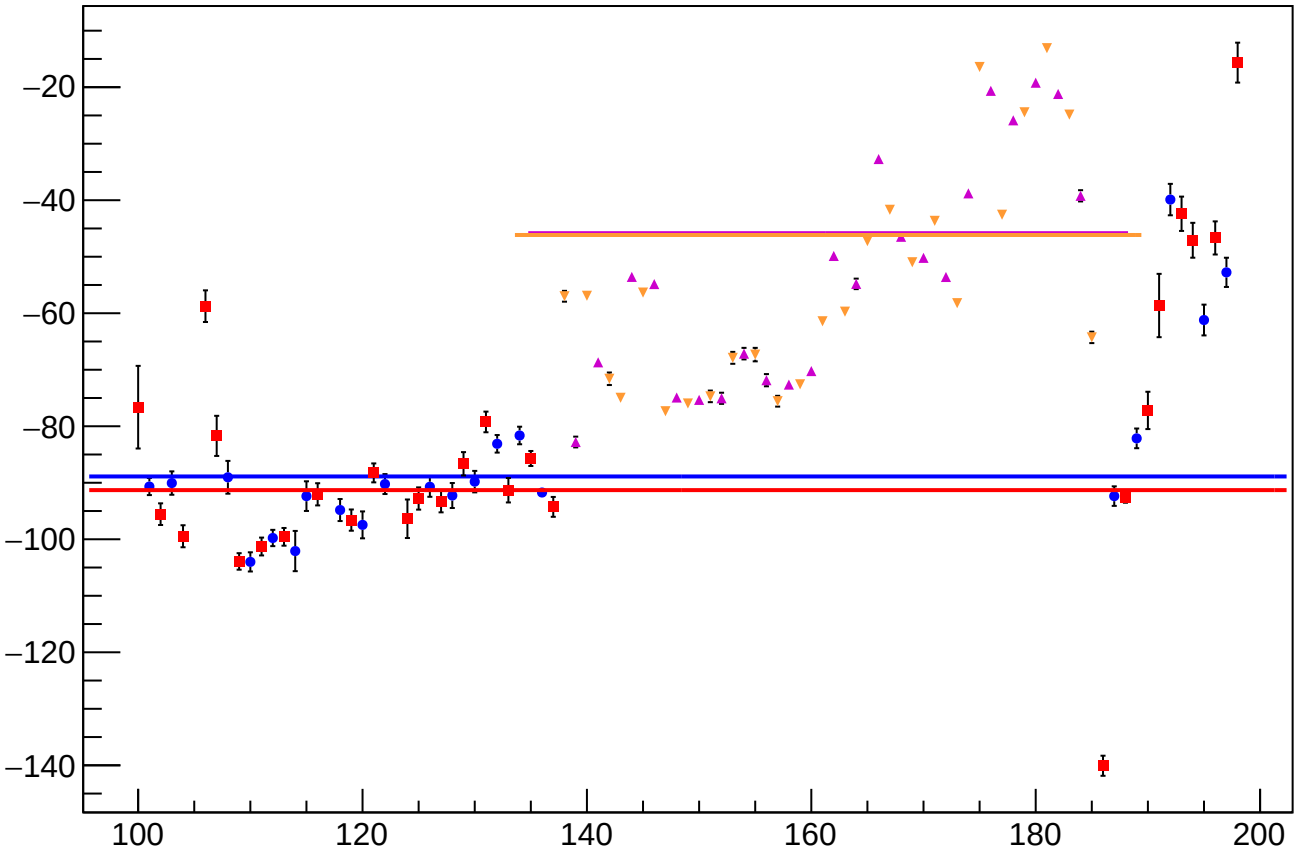
Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

Right: -4.528+/-0.271 χ^2/NDF: 1086.3/47

In: 2.844+/-0.109 χ^2/NDF:5510.0/43

Out: 3.187+/-0.107 χ^2/NDF:7655.4/51

All: 3.019+/-0.076 χ^2/NDF: 13170.5/95



Right In: -88.885+/-0.388 χ^2/NDF: 854.3/20

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -91.302+/-0.371 χ^2/NDF: 2358.2/26

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

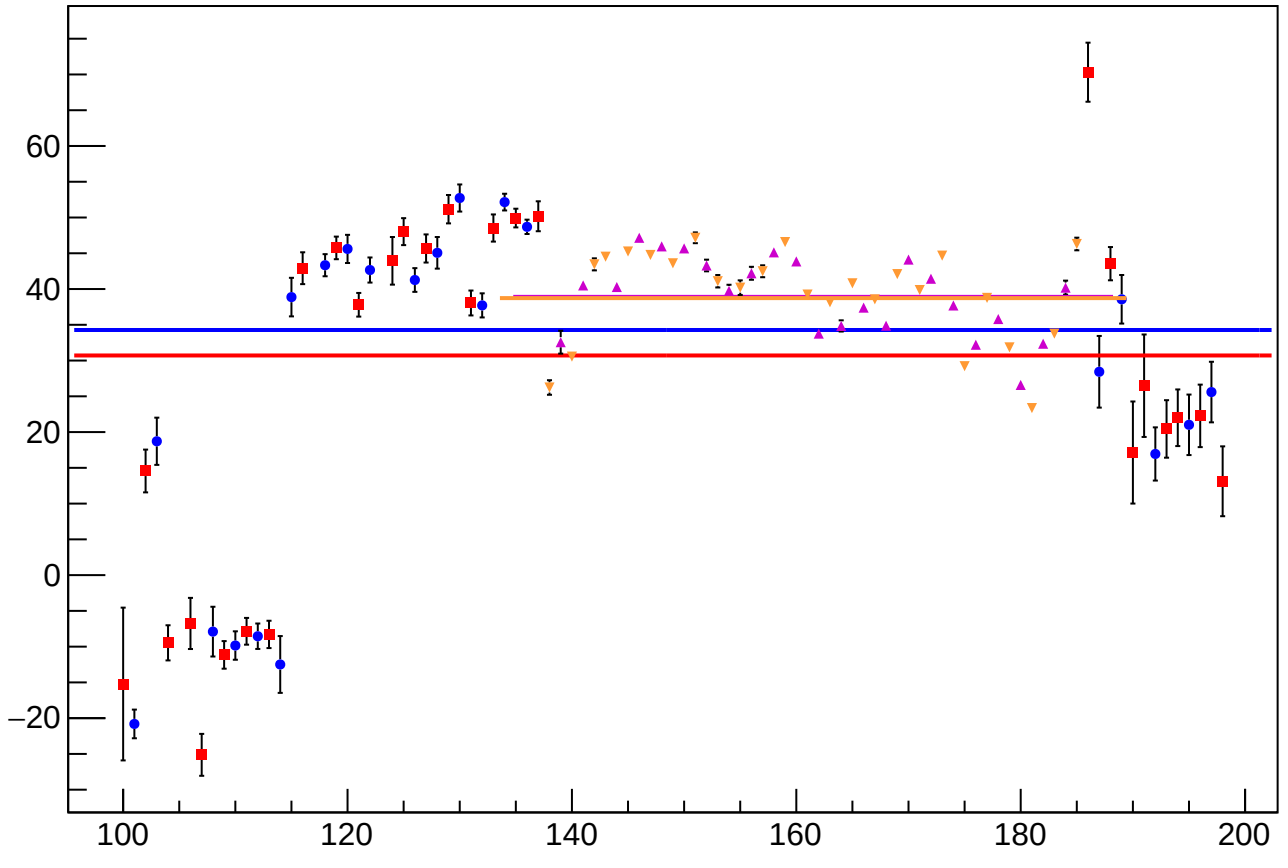
Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

Right: -90.148+/-0.268 χ^2/NDF: 3232.7/47

In: -51.171+/-0.137 χ^2/NDF:29557.5/43

Out: -51.957+/-0.133 χ^2/NDF:36734.0/51

All: -51.575+/-0.095 χ^2/NDF: 66308.5/95



Right In: 34.273+/-0.429 χ^2/NDF: 2848.9/20

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.710+/-0.443 χ^2/NDF: 3066.6/26

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

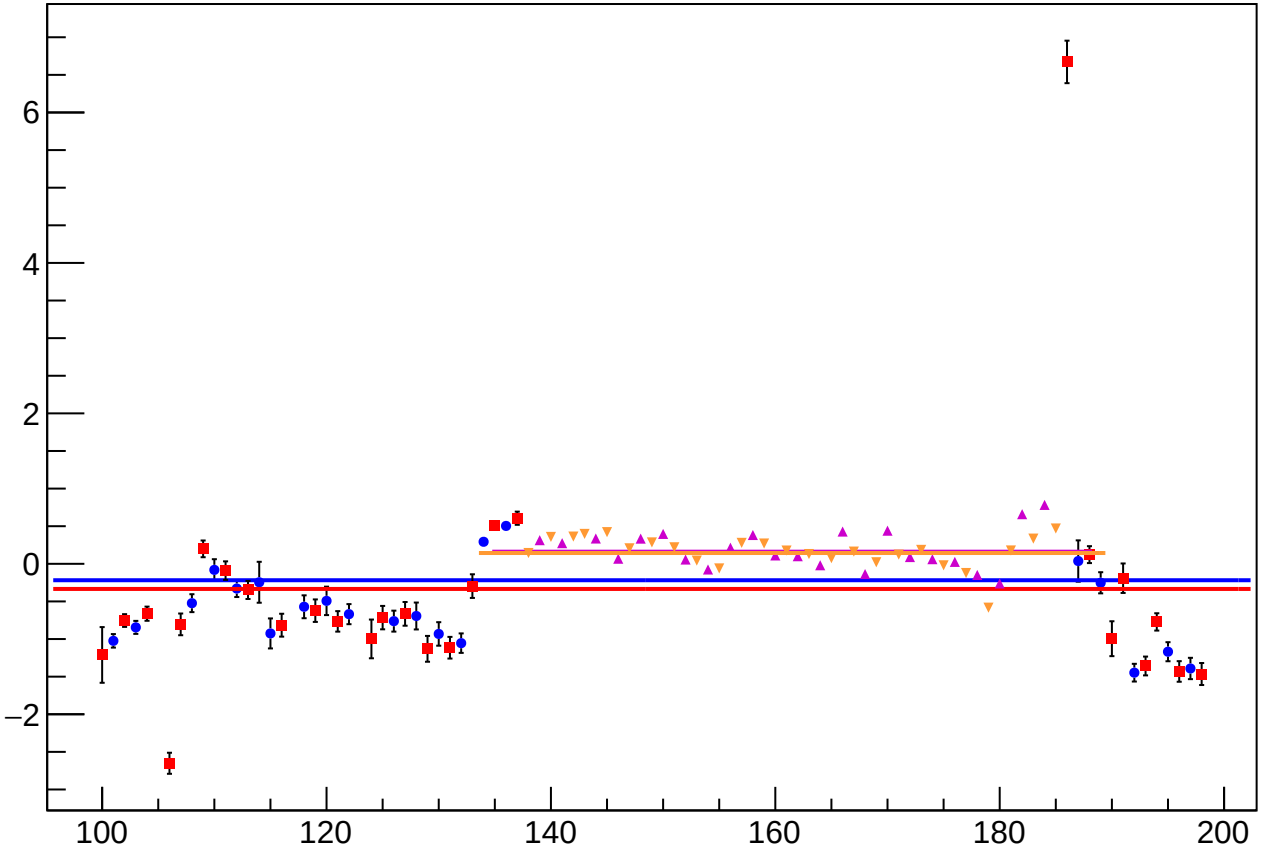
Right: 32.550+/-0.308 χ^2/NDF: 5948.8/47

In: 38.529+/-0.122 χ^2/NDF:4927.6/43

Out: 38.144+/-0.120 χ^2/NDF:6151.5/51

All: 38.333+/-0.086 χ^2/NDF: 11084.2/95

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.218+/-0.022 χ^2/NDF: 890.3/20

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.334+/-0.023 χ^2/NDF: 1674.5/26

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

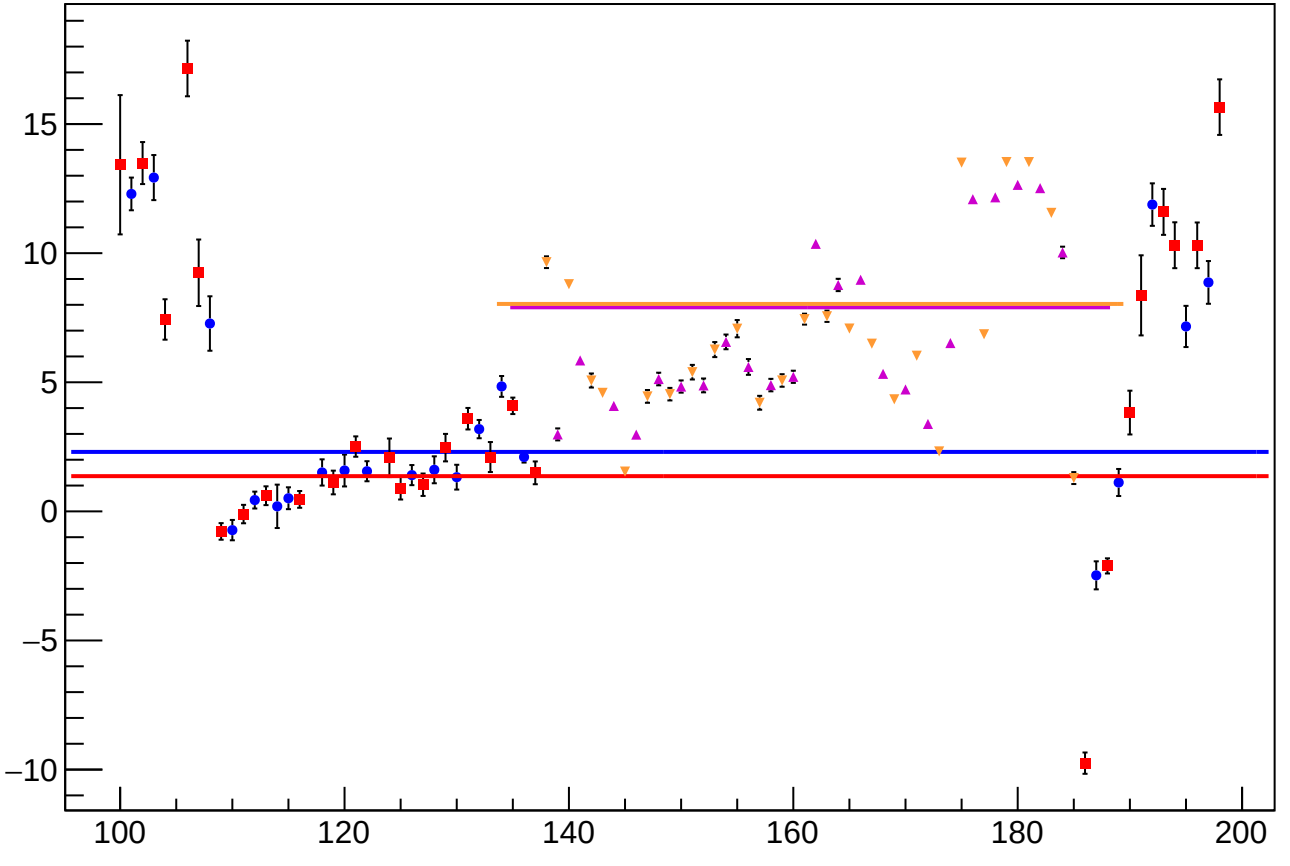
Right: -0.274+/-0.016 χ^2/NDF: 2577.5/47

In: 0.138+/-0.006 χ^2/NDF:3077.2/43

Out: 0.118+/-0.005 χ^2/NDF:3509.8/51

All: 0.128+/-0.004 χ^2/NDF: 6593.9/95

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.303+/-0.099 χ^2/NDF: 918.7/20

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.364+/-0.094 χ^2/NDF: 2153.7/26

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

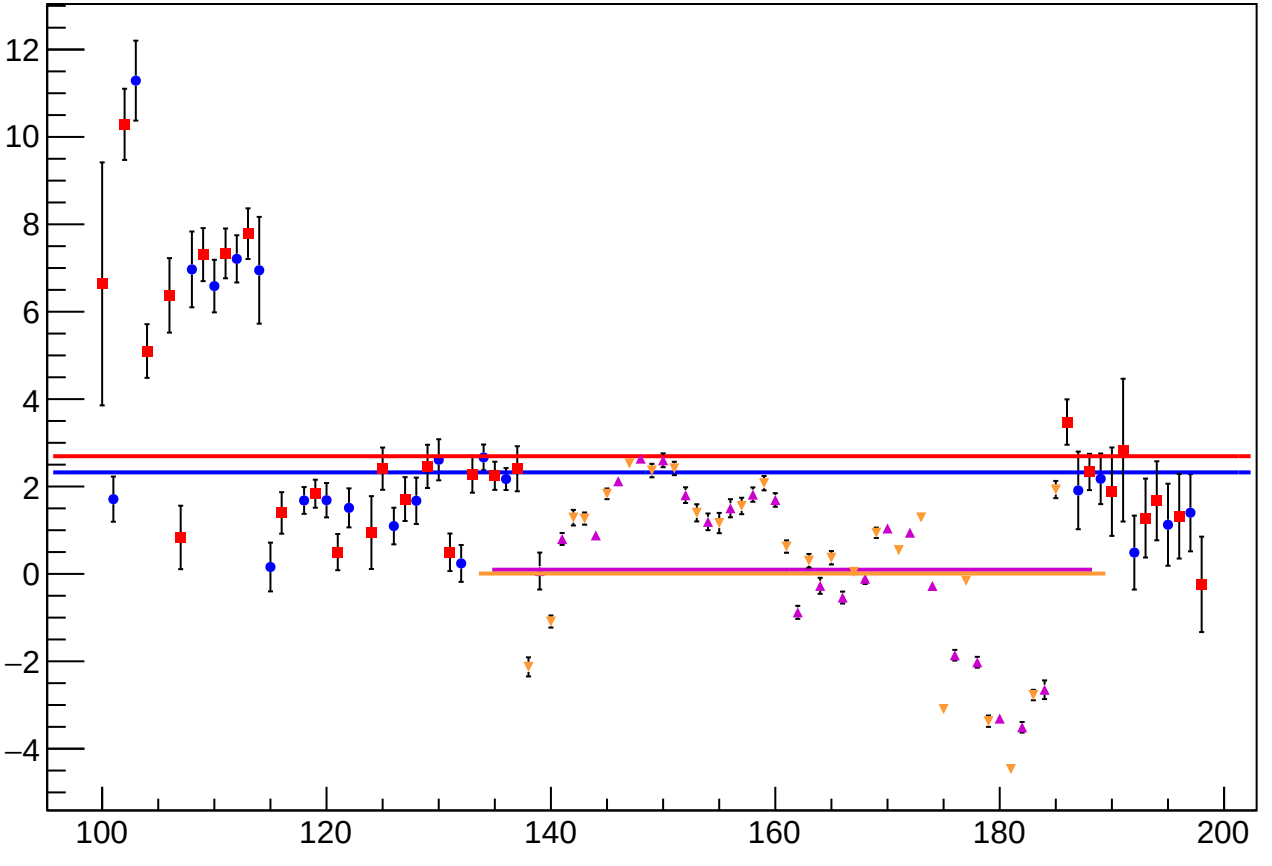
Right: 1.808+/-0.068 χ^2/NDF: 3119.9/47

In: 7.254+/-0.034 χ^2/NDF:13772.1/43

Out: 7.229+/-0.033 χ^2/NDF:20531.4/51

All: 7.241+/-0.023 χ^2/NDF: 34303.8/95

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.323+/-0.104 χ^2/NDF: 342.0/20

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.693+/-0.106 χ^2/NDF: 428.2/26

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

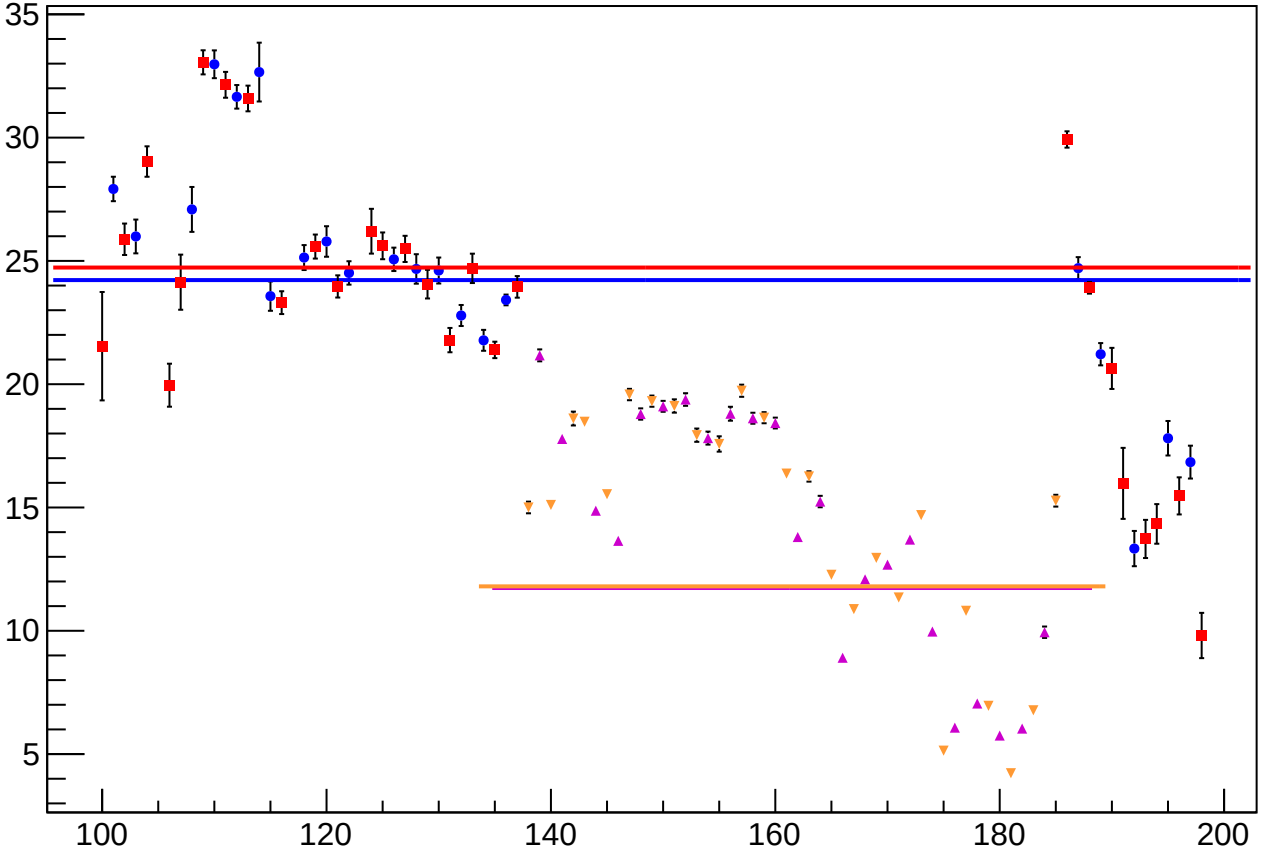
Right: 2.505+/-0.074 χ^2/NDF: 776.5/47

In: 0.249+/-0.027 χ^2/NDF:5206.1/43

Out: 0.179+/-0.027 χ^2/NDF:6794.6/51

All: 0.213+/-0.019 χ^2/NDF: 12004.1/95

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 24.222+/-0.106 χ^2/NDF: 1162.0/20

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 24.731+/-0.100 χ^2/NDF: 2014.9/26

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

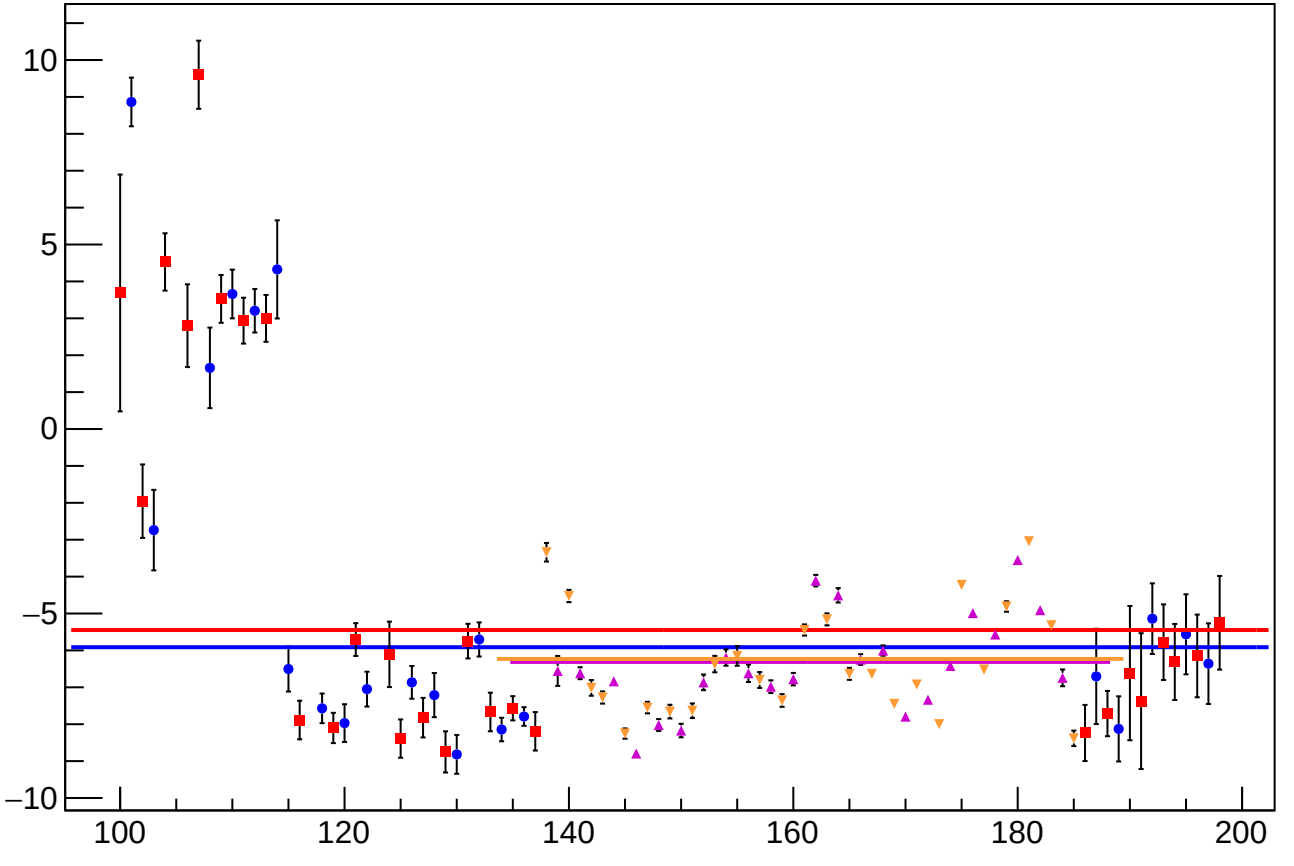
Right: 24.492+/-0.073 χ^2/NDF: 3189.0/47

In: 13.008+/-0.034 χ^2/NDF:31561.8/43

Out: 13.203+/-0.033 χ^2/NDF:38412.5/51

All: 13.109+/-0.024 χ^2/NDF: 69991.2/95

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.913+/-0.117 χ^2/NDF: 1259.1/20

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.448+/-0.121 χ^2/NDF: 1324.7/26

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

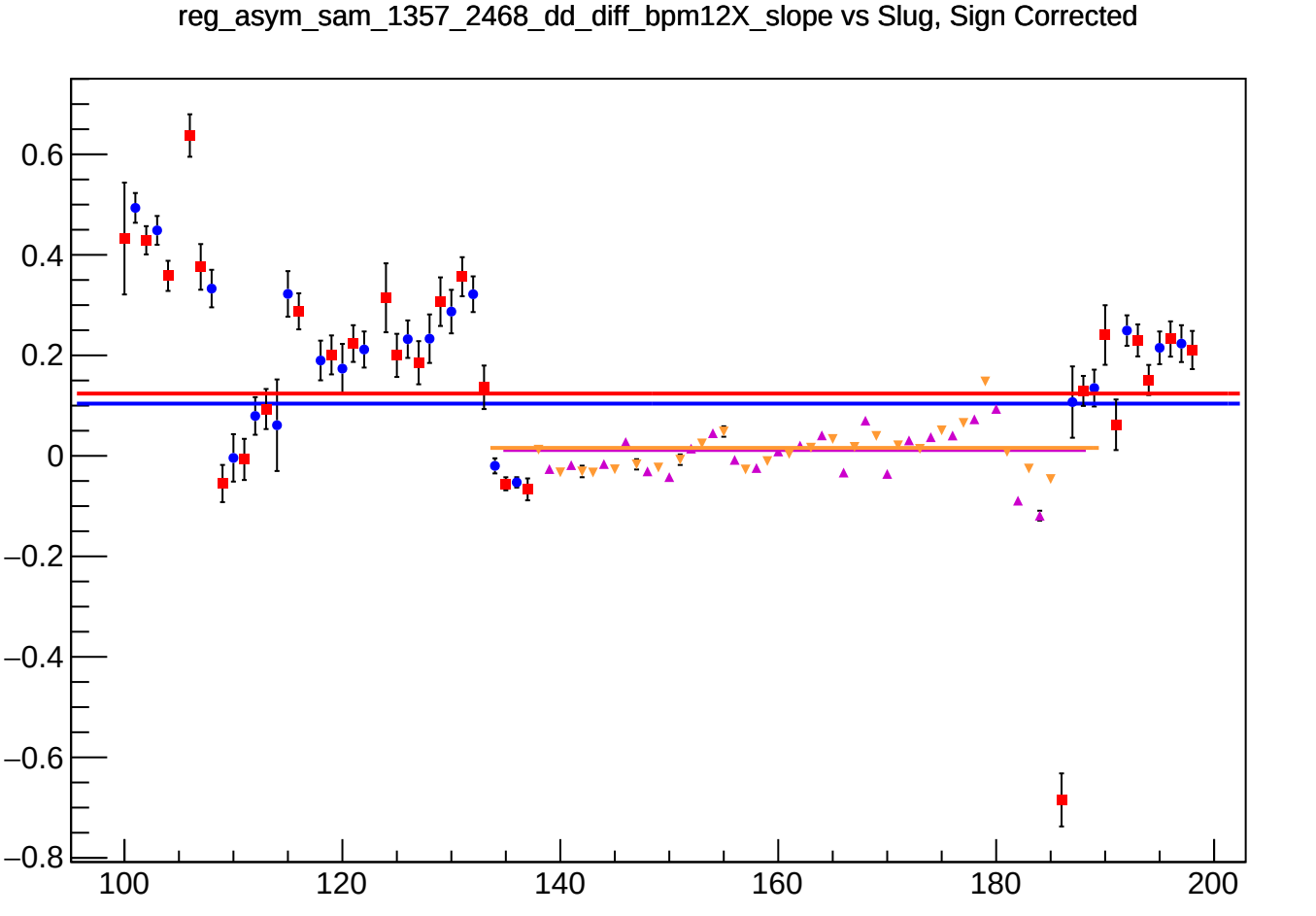
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -5.689+/-0.084 χ^2/NDF: 2591.5/47

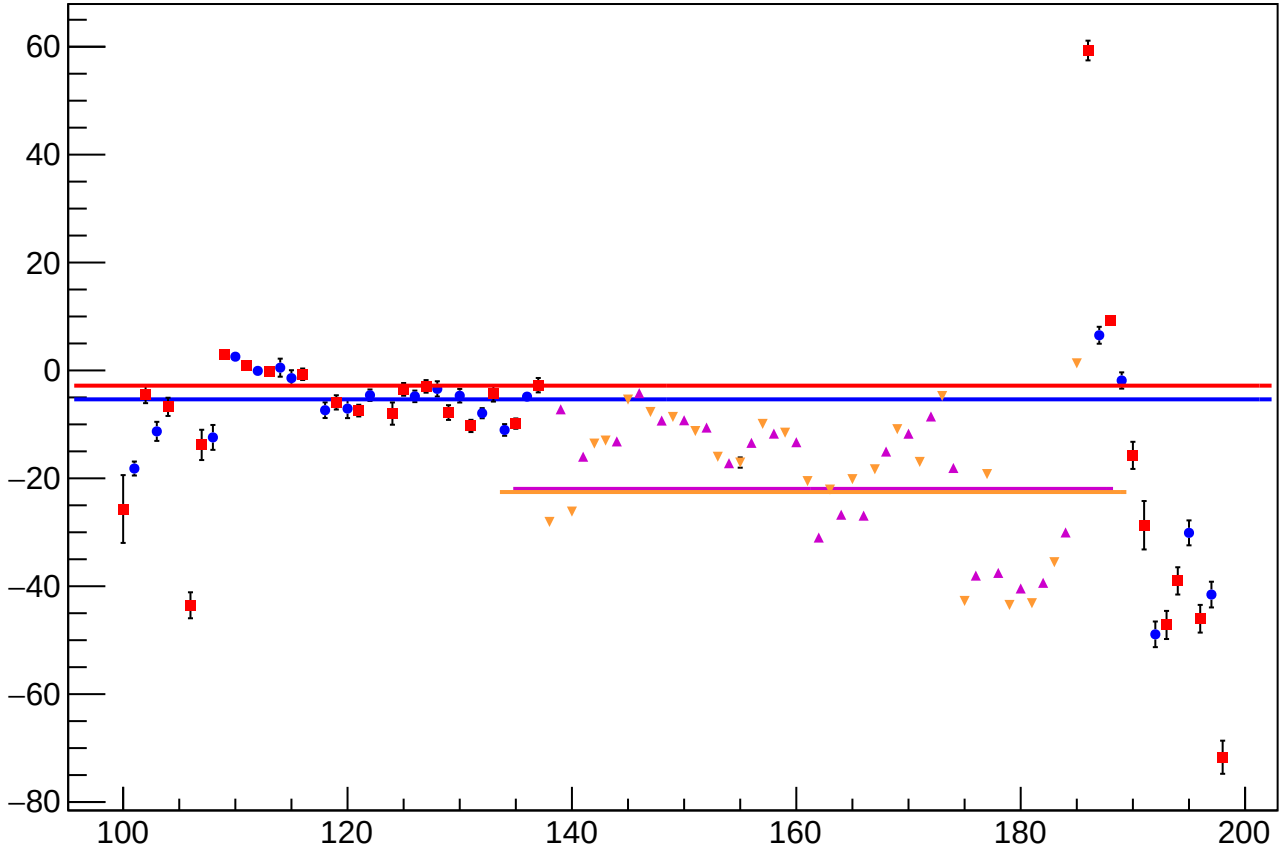
In: -6.284+/-0.030 χ^2/NDF:3300.1/43

Out: -6.183+/-0.030 χ^2/NDF:3813.9/51

All: -6.233+/-0.021 χ^2/NDF: 7119.6/95


reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.104+/-0.006 χ²/NDF: 820.2/20
Left Out: 0.016+/-0.001 χ²/NDF:933.4/24
Right Out: 0.124+/-0.006 χ²/NDF: 1029.2/26
Left In: 0.012+/-0.001 χ²/NDF:1297.5/22
Left: 0.014+/-0.001 χ²/NDF: 2235.3/47
Right: 0.114+/-0.004 χ²/NDF: 1854.5/47
In: 0.016+/-0.001 χ²/NDF:2333.9/43
Out: 0.021+/-0.001 χ²/NDF:2235.2/51
All: 0.018+/-0.001 χ²/NDF: 4574.0/95

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -5.359+/-0.256 χ^2/NDF: 1086.0/20

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -2.821+/-0.241 χ^2/NDF: 3299.8/26

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

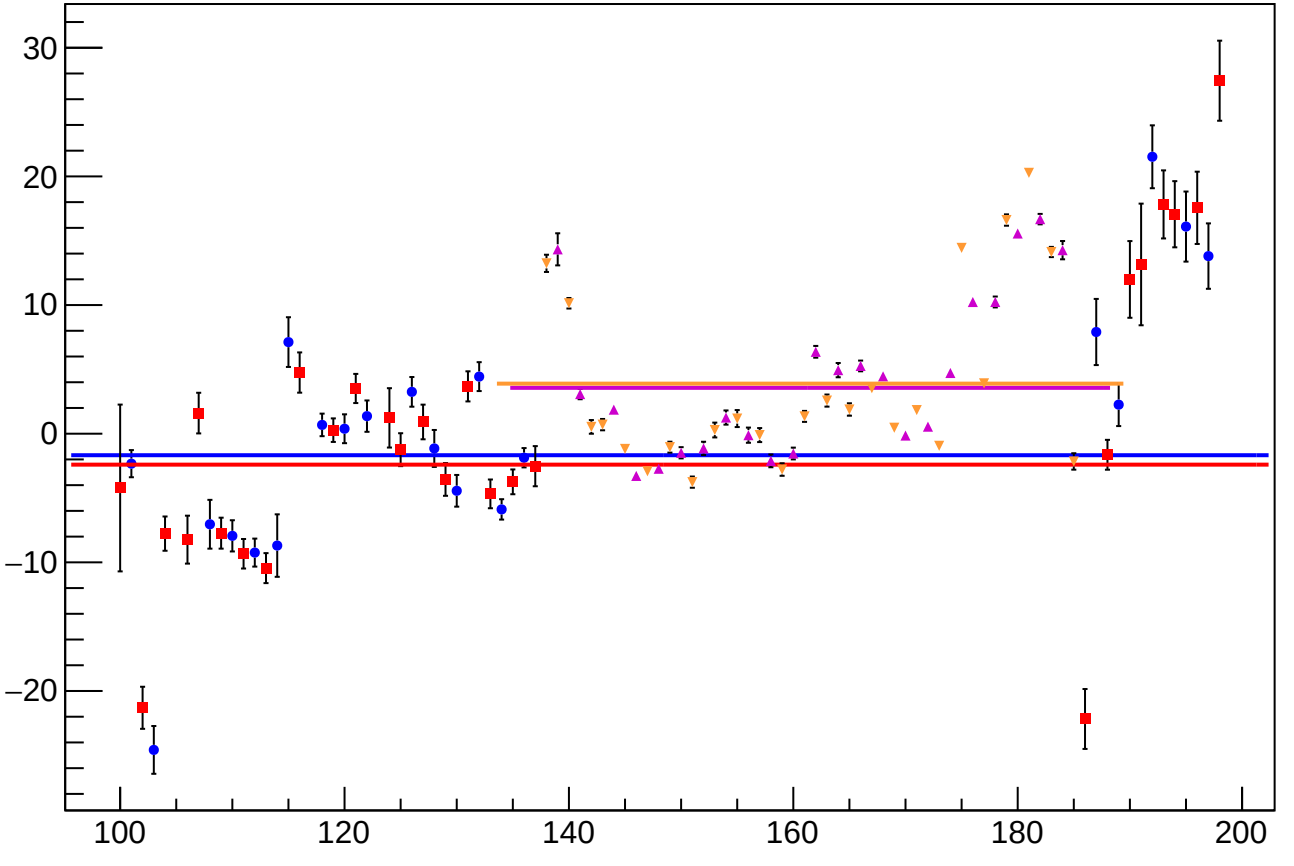
Right: -4.012+/-0.175 χ^2/NDF: 4438.0/47

In: -19.323+/-0.102 χ^2/NDF:17209.3/43

Out: -19.230+/-0.099 χ^2/NDF:25421.9/51

All: -19.275+/-0.071 χ^2/NDF: 42631.6/95

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.673+/-0.275 χ^2/NDF: 551.9/20

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

Right Out: -2.406+/-0.279 χ^2/NDF: 734.7/26

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

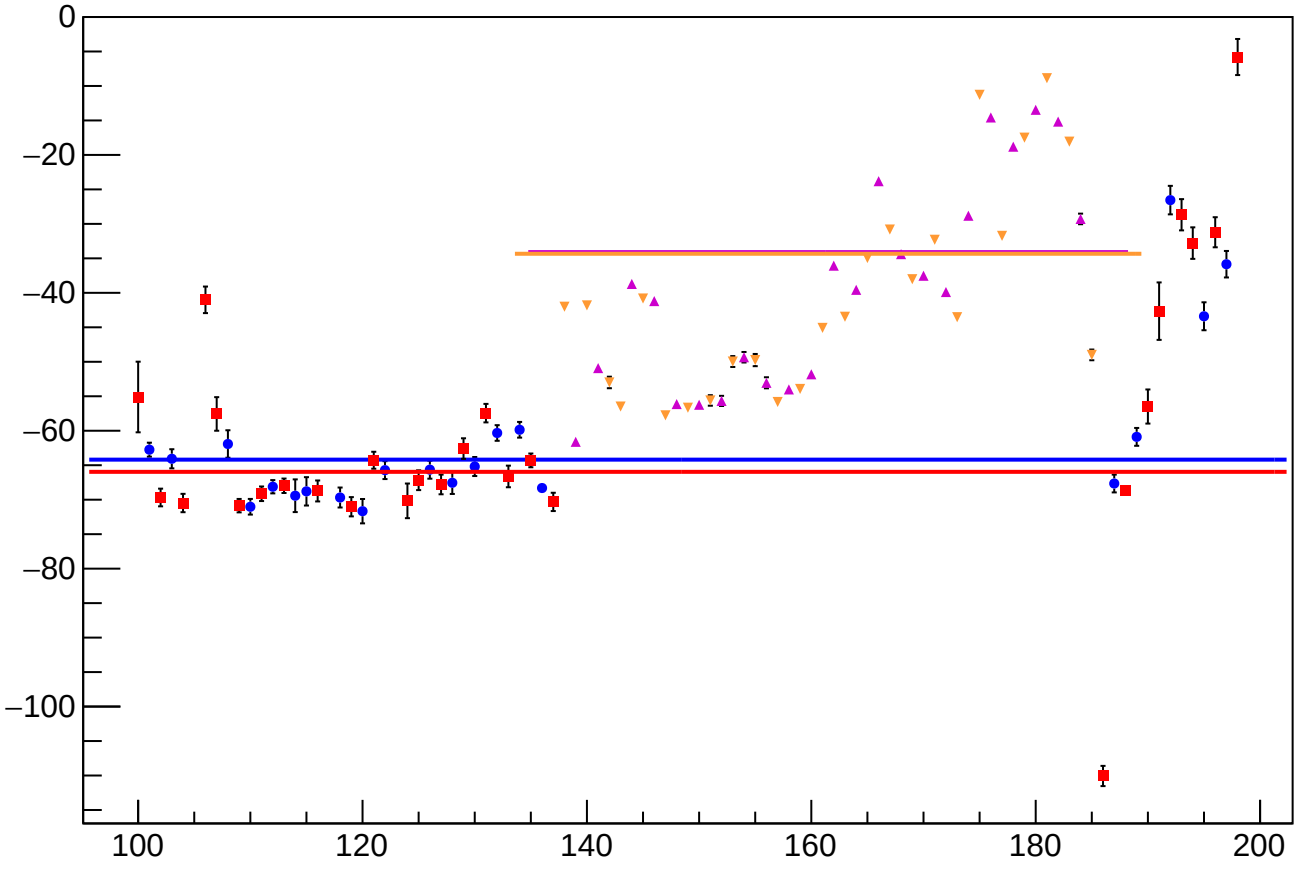
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: -2.033+/-0.196 χ^2/NDF: 1290.1/47

In: 3.097+/-0.082 χ^2/NDF:5621.6/43

Out: 3.366+/-0.081 χ^2/NDF:7924.4/51

All: 3.234+/-0.058 χ^2/NDF: 13551.5/95



Right In: -64.191+/-0.280 χ^2/NDF: 839.7/20

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -65.960+/-0.268 χ^2/NDF: 2556.8/26

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

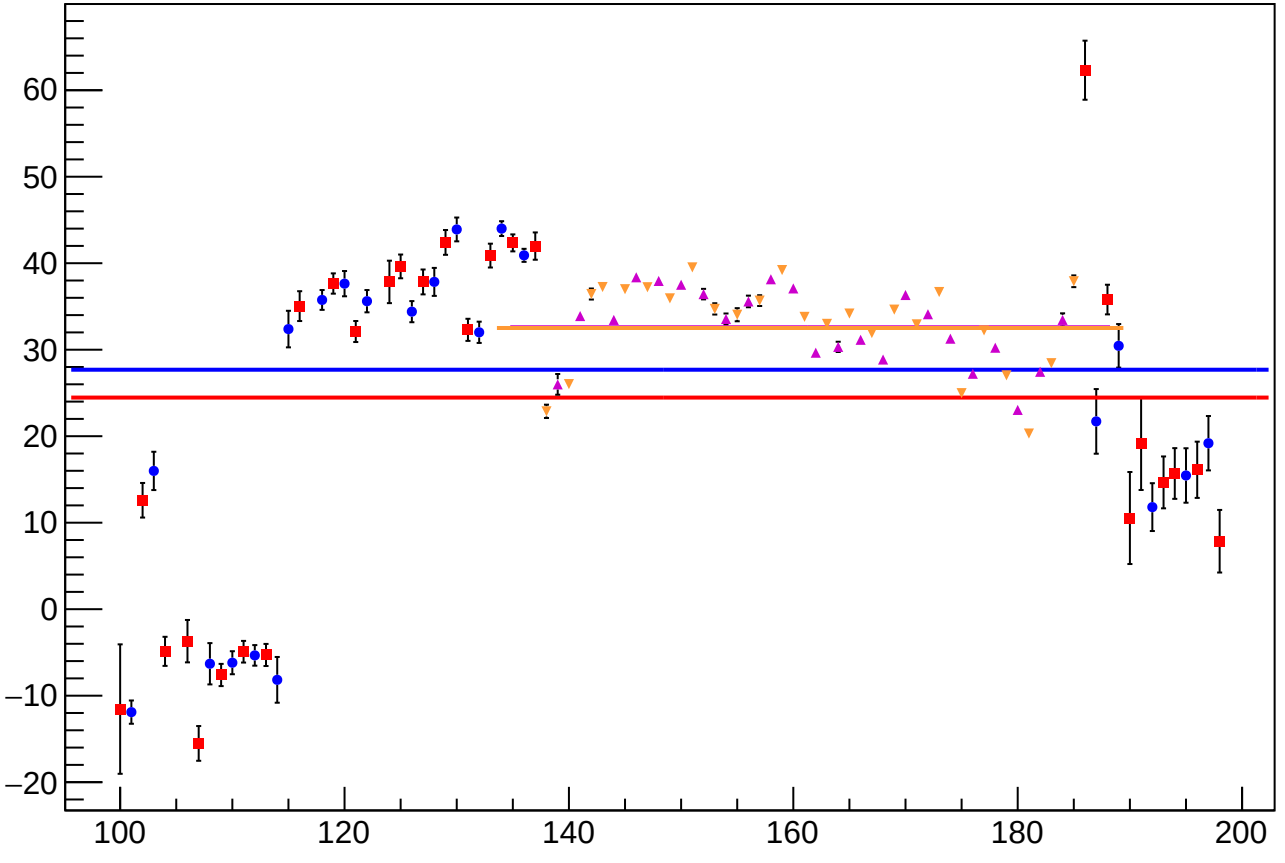
Right: -65.115+/-0.194 χ^2/NDF: 3417.4/47

In: -38.173+/-0.103 χ^2/NDF:28546.8/43

Out: -38.778+/-0.100 χ^2/NDF:35747.2/51

All: -38.484+/-0.072 χ^2/NDF: 64311.7/95

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 27.686+/-0.311 χ^2/NDF: 3788.6/20

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.466+/-0.320 χ^2/NDF: 4064.0/26

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

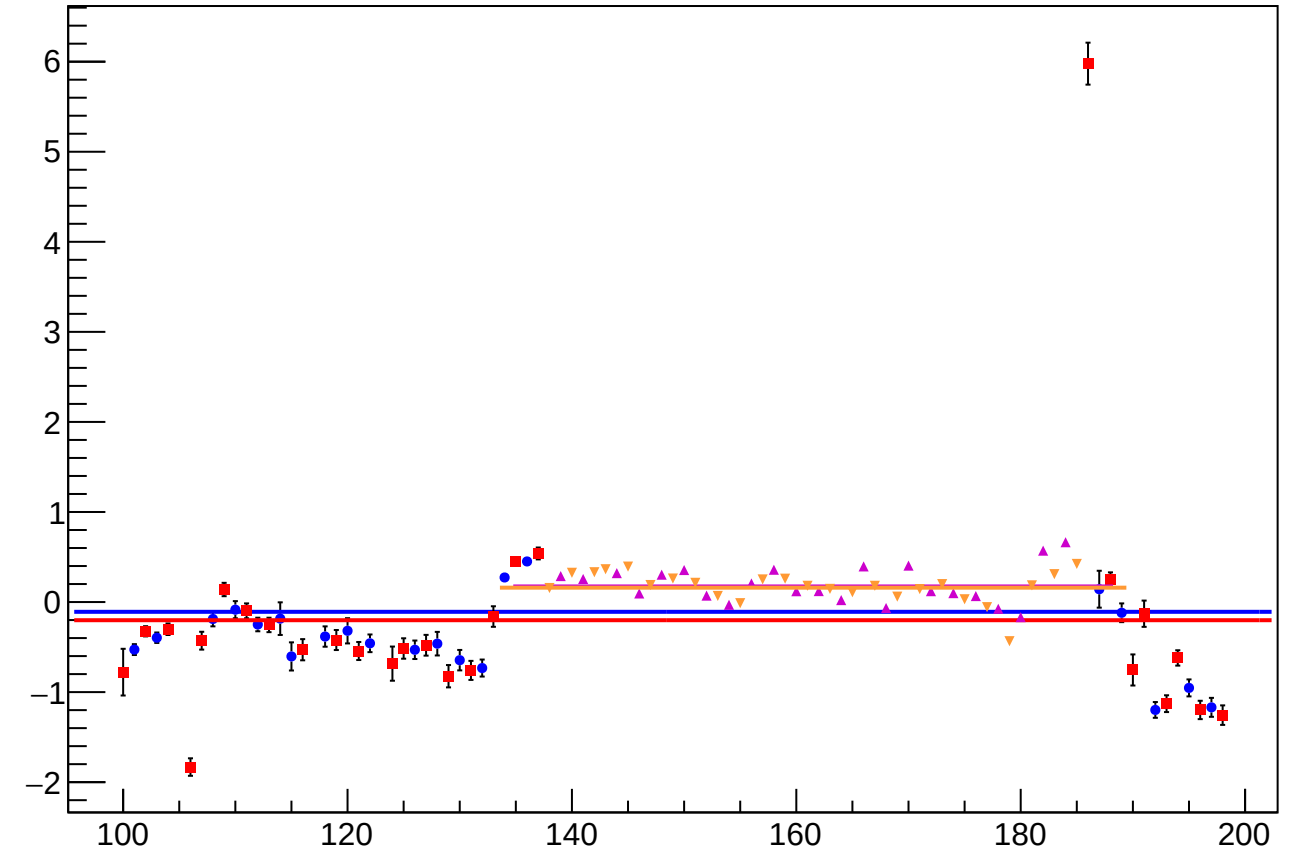
Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

Right: 26.121+/-0.223 χ^2/NDF: 7904.7/47

In: 32.165+/-0.092 χ^2/NDF:6028.8/43

Out: 31.865+/-0.091 χ^2/NDF:7583.8/51

All: 32.012+/-0.065 χ^2/NDF: 13618.0/95



Right In: -0.108+/-0.016 χ^2/NDF: 958.1/20

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.202+/-0.017 χ^2/NDF: 1887.4/26

Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

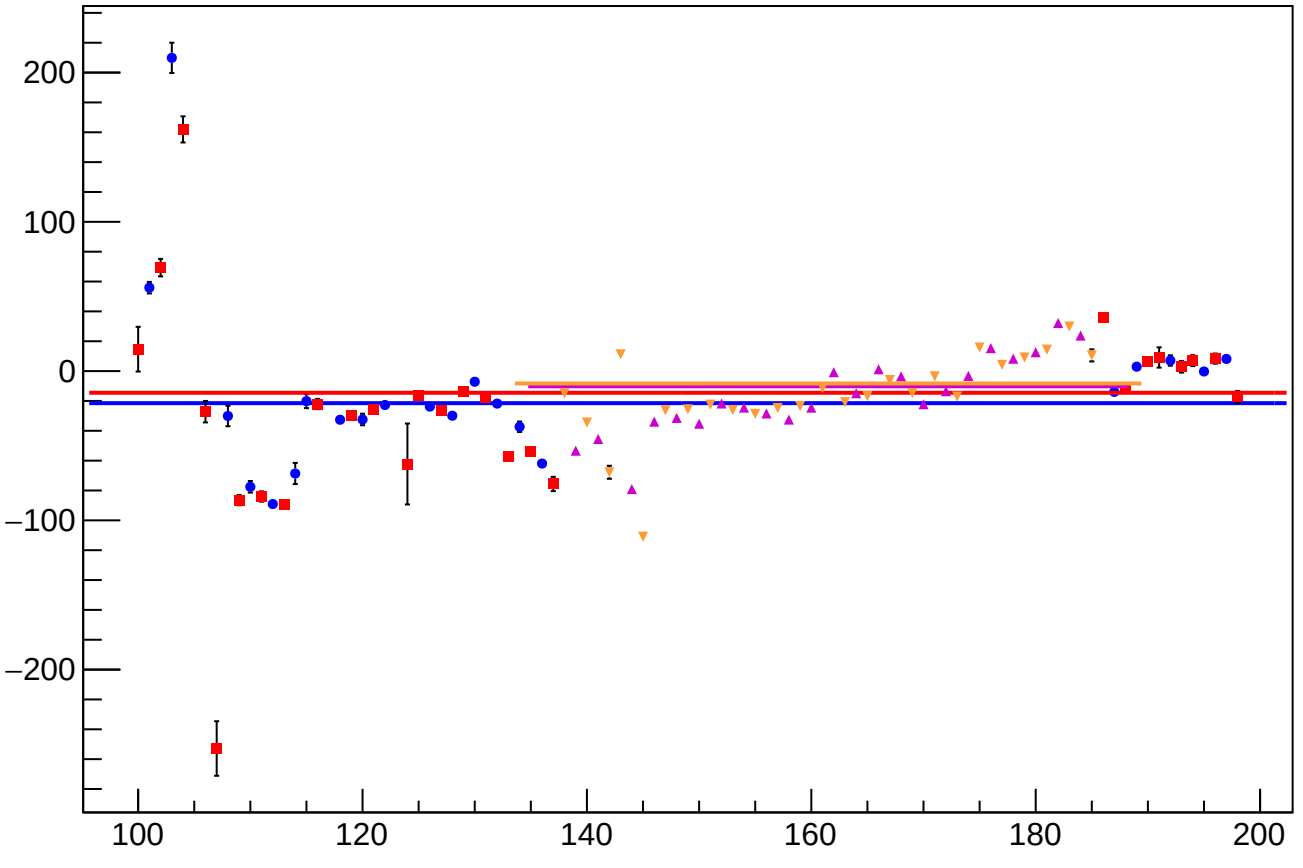
Right: -0.153+/-0.012 χ^2/NDF: 2861.3/47

In: 0.155+/-0.004 χ^2/NDF:3367.9/43

Out: 0.138+/-0.004 χ^2/NDF:3930.3/51

All: 0.146+/-0.003 χ^2/NDF: 7305.9/95

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -21.486+/-0.679 χ^2/NDF: 2390.0/20

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -14.519+/-0.586 χ^2/NDF: 4044.1/26

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

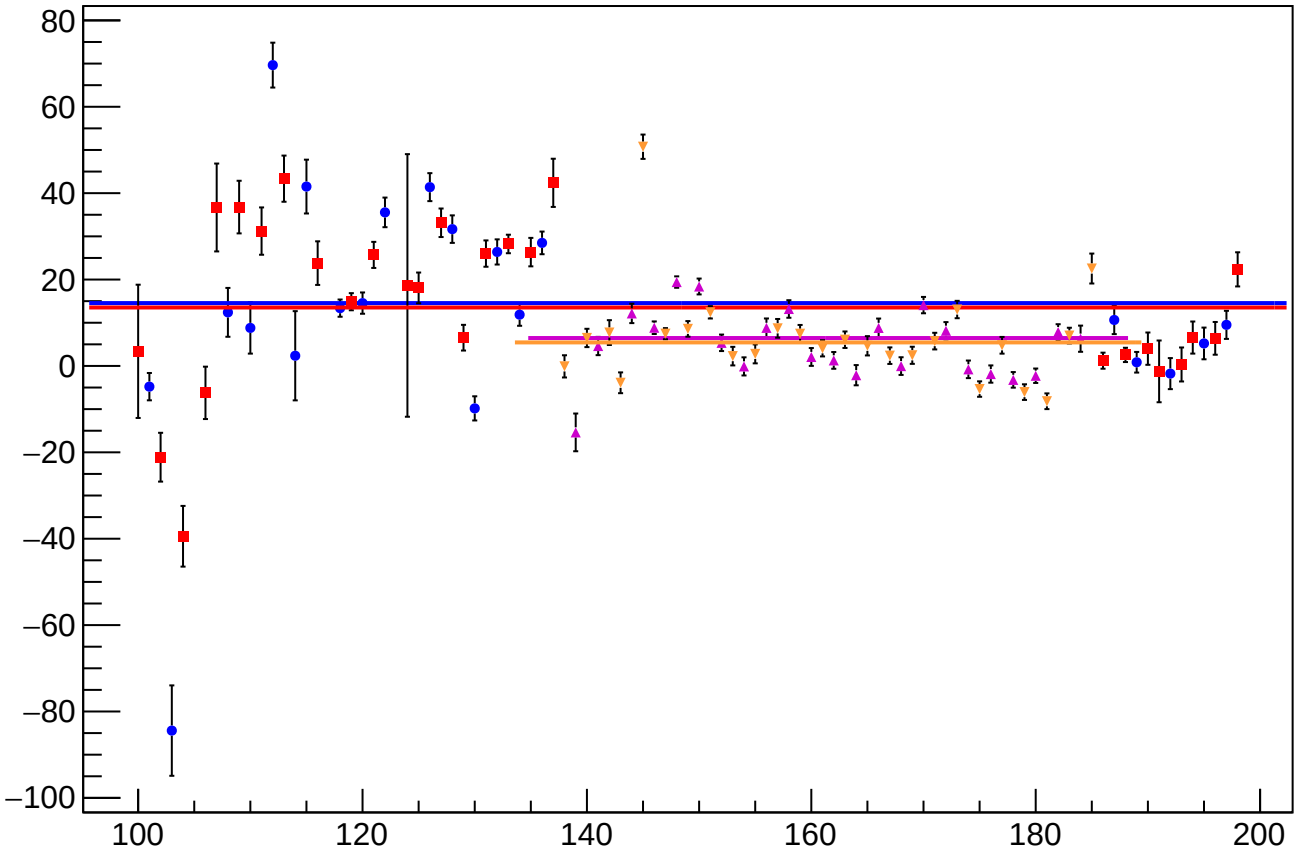
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

Right: -17.494+/-0.444 χ^2/NDF: 6494.4/47

In: -14.425+/-0.416 χ^2/NDF:5081.6/43

Out: -11.000+/-0.386 χ^2/NDF:6667.4/51

All: -12.586+/-0.283 χ^2/NDF: 11785.4/95



Right In: 14.551+/-0.709 χ^2/NDF: 581.6/20

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 13.531+/-0.653 χ^2/NDF: 458.0/26

Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

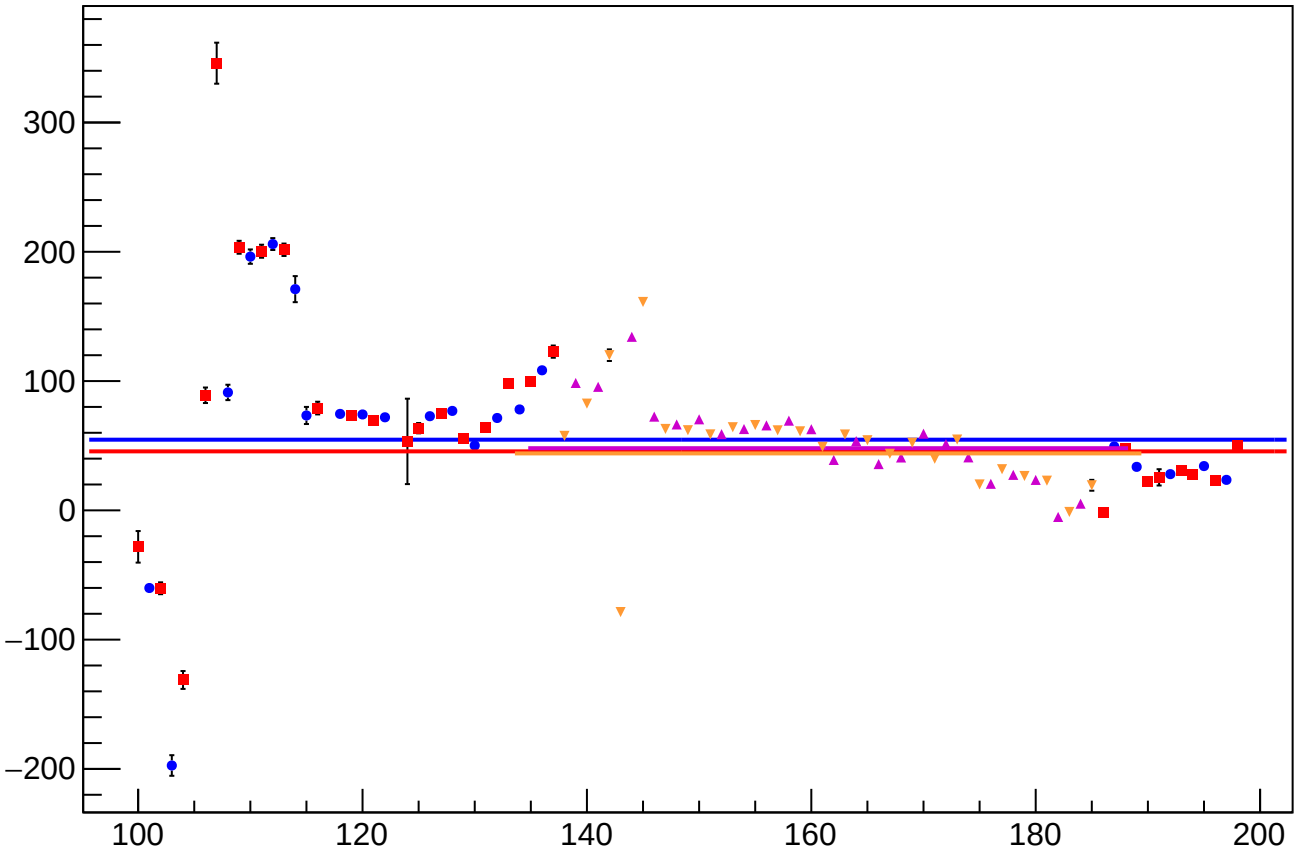
Left: 5.936+/-0.283 χ^2/NDF: 832.9/47

Right: 14.000+/-0.480 χ^2/NDF: 1040.7/47

In: 8.476+/-0.354 χ^2/NDF:1015.5/43

Out: 7.602+/-0.337 χ^2/NDF:1064.0/51

All: 8.018+/-0.244 χ^2/NDF: 2082.7/95



Right In: 54.659+/-0.668 χ^2/NDF: 5586.9/20

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 45.625+/-0.547 χ^2/NDF: 7524.3/26

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

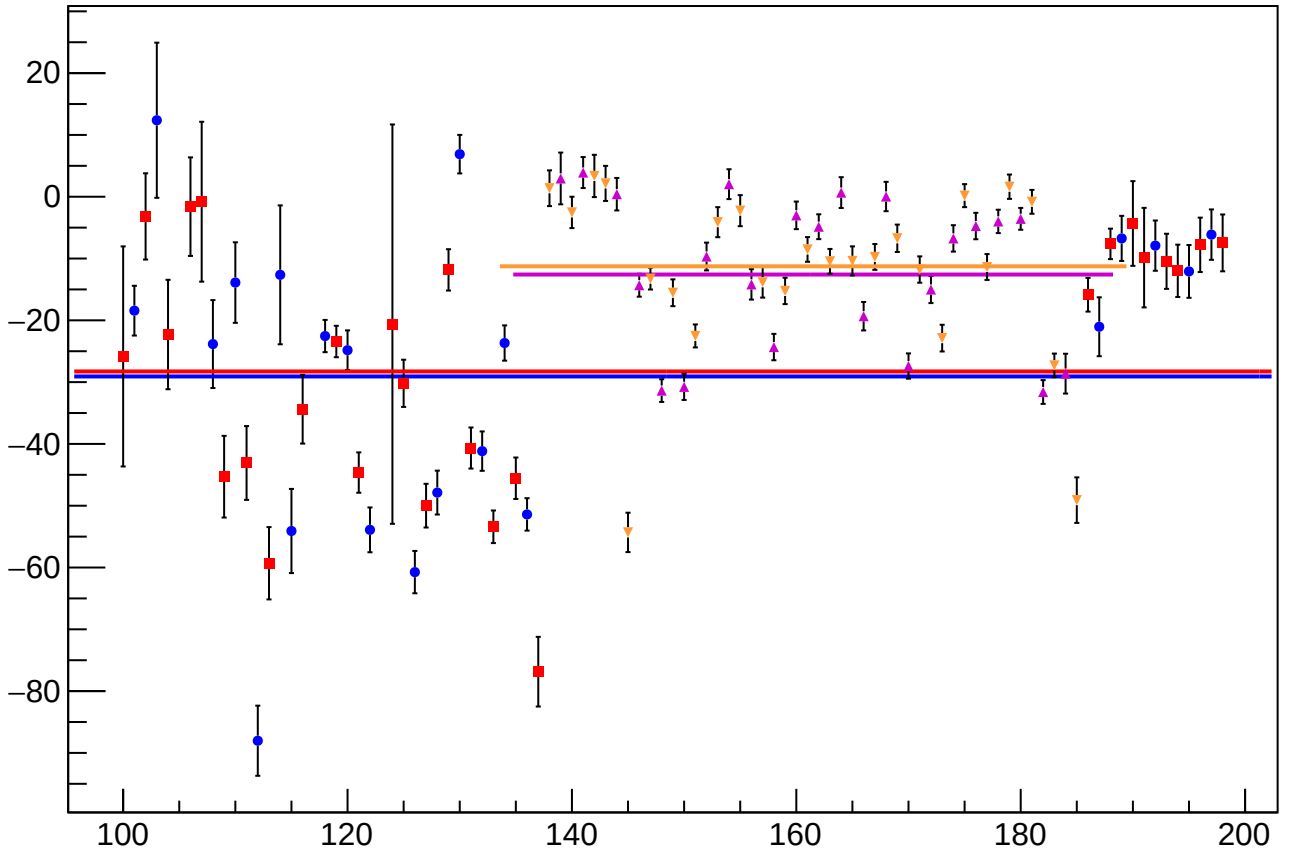
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 49.251+/-0.423 χ^2/NDF: 13220.7/47

In: 50.569+/-0.411 χ^2/NDF:9023.8/43

Out: 44.777+/-0.373 χ^2/NDF:12092.5/51

All: 47.393+/-0.276 χ^2/NDF: 21225.3/95



Right In: -29.085+/-0.839 χ^2/NDF: 654.2/20

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -28.273+/-0.802 χ^2/NDF: 548.7/26

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

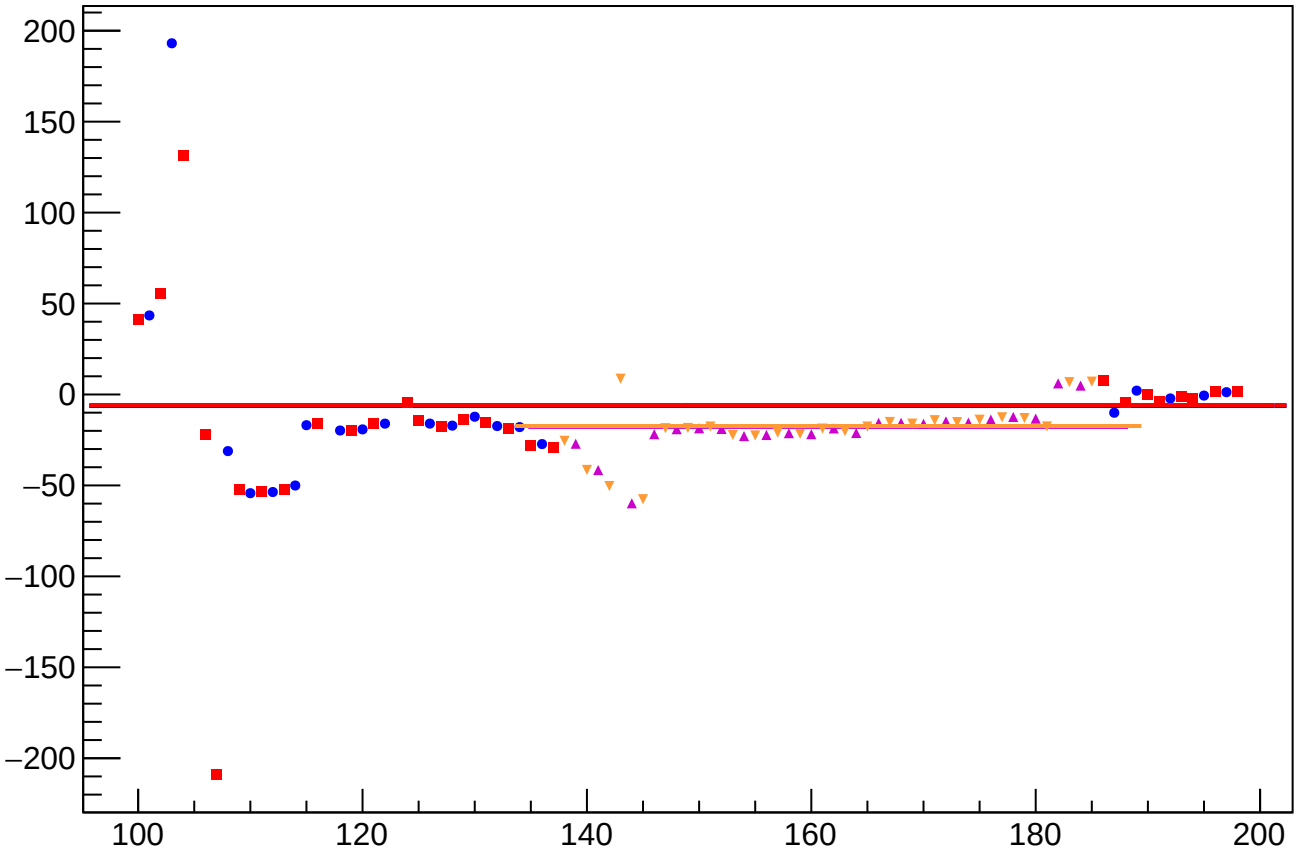
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -28.661+/-0.580 χ^2/NDF: 1203.3/47

In: -16.388+/-0.403 χ^2/NDF:1623.7/43

Out: -15.260+/-0.389 χ^2/NDF:1535.8/51

All: -15.805+/-0.280 χ^2/NDF: 3163.5/95



Right In: -6.350+/-0.043 χ^2/NDF: 536325.6/20

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -5.775+/-0.041 χ^2/NDF: 476735.7/26

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

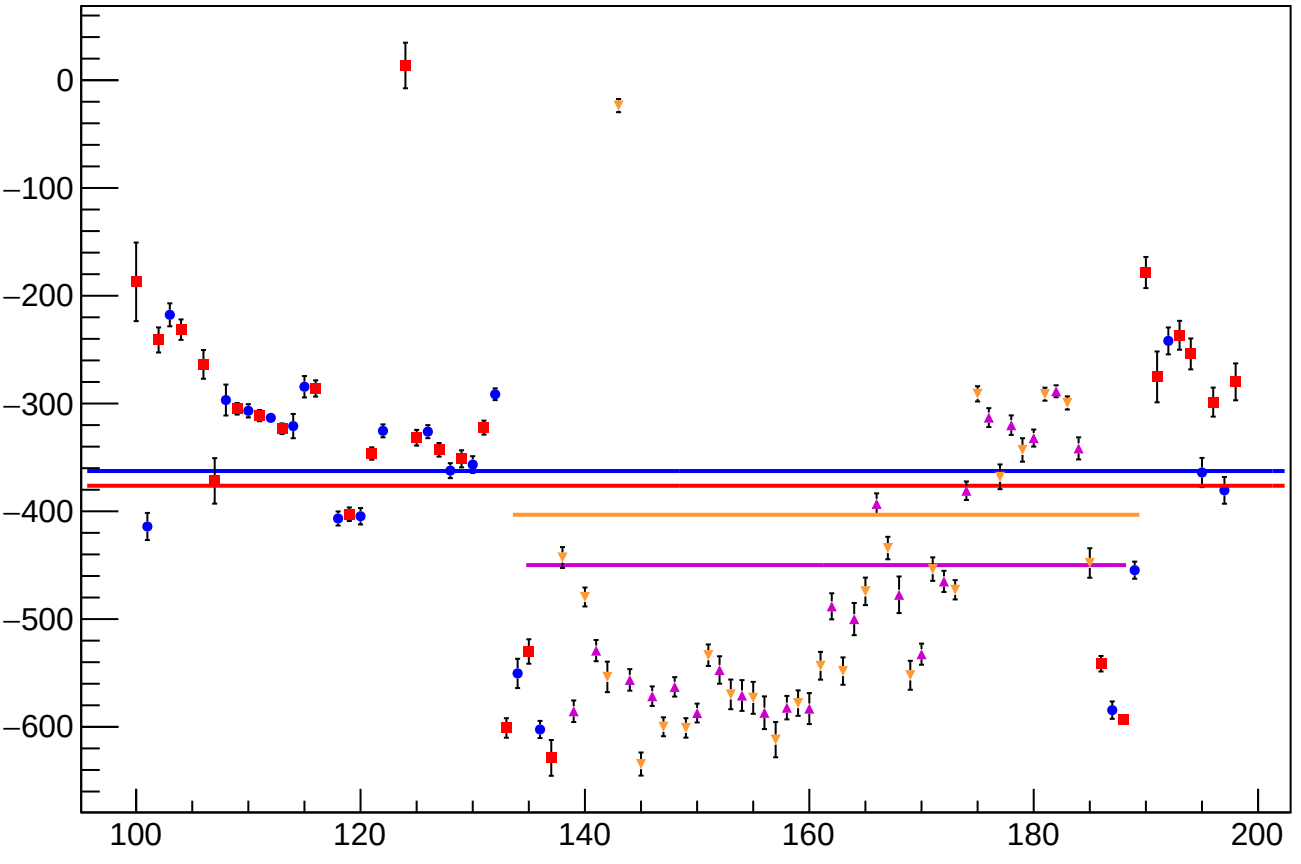
Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

Right: -6.044+/-0.030 χ^2/NDF: 1013155.3/47

In: -15.761+/-0.018 χ^2/NDF:861419.2/43

Out: -15.075+/-0.018 χ^2/NDF:889886.3/51

All: -15.409+/-0.013 χ^2/NDF: 1752020.2/95



Right In: -362.628+/-1.691 χ^2/NDF: 2904.2/20

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -376.283+/-1.538 χ^2/NDF: 6142.9/26

Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

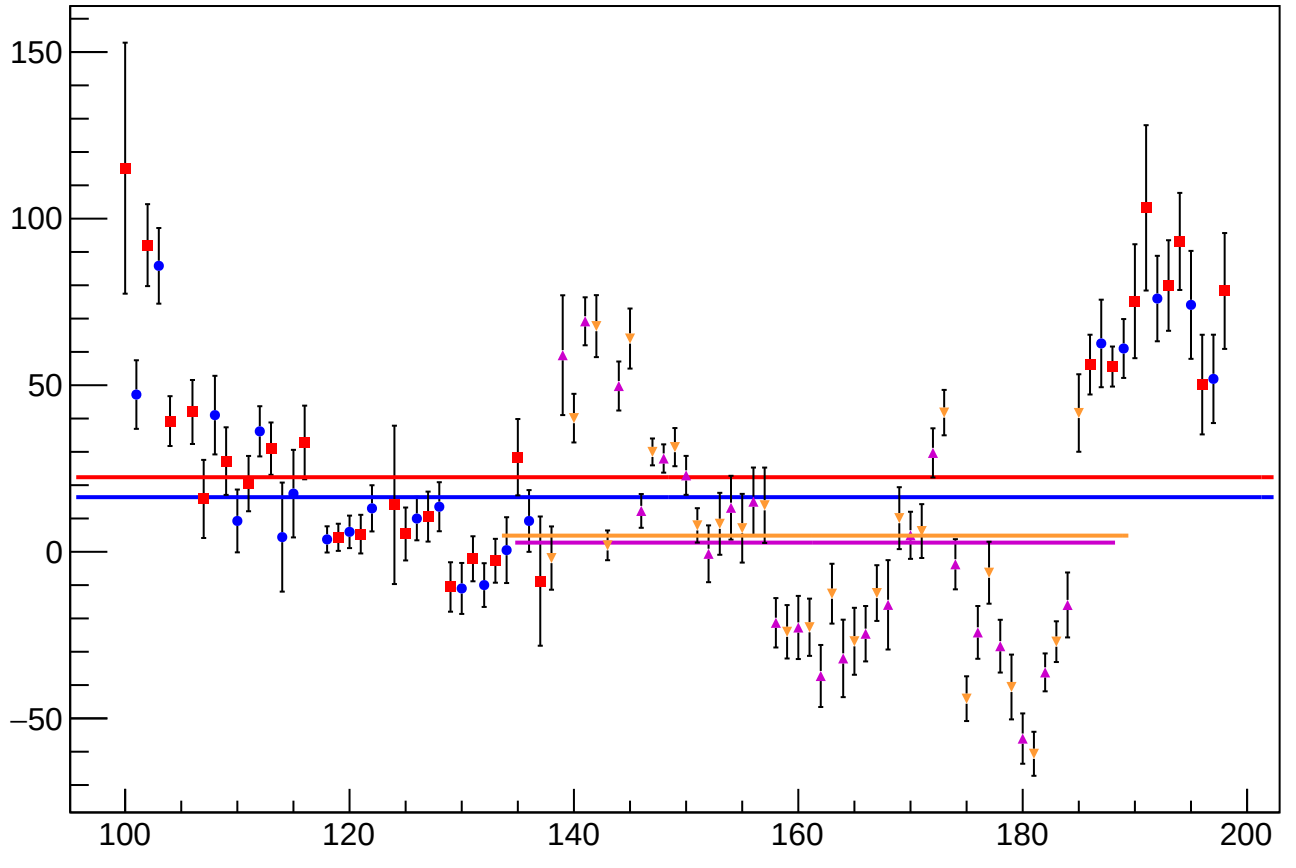
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -370.097+/-1.138 χ^2/NDF: 9082.8/47

In: -398.098+/-1.302 χ^2/NDF:7206.5/43

Out: -386.755+/-1.202 χ^2/NDF:14012.2/51

All: -391.974+/-0.884 χ^2/NDF: 21259.6/95



Right In: 16.398+/-1.744 χ^2/NDF: 186.5/20

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 22.388+/-1.681 χ^2/NDF: 256.0/26

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

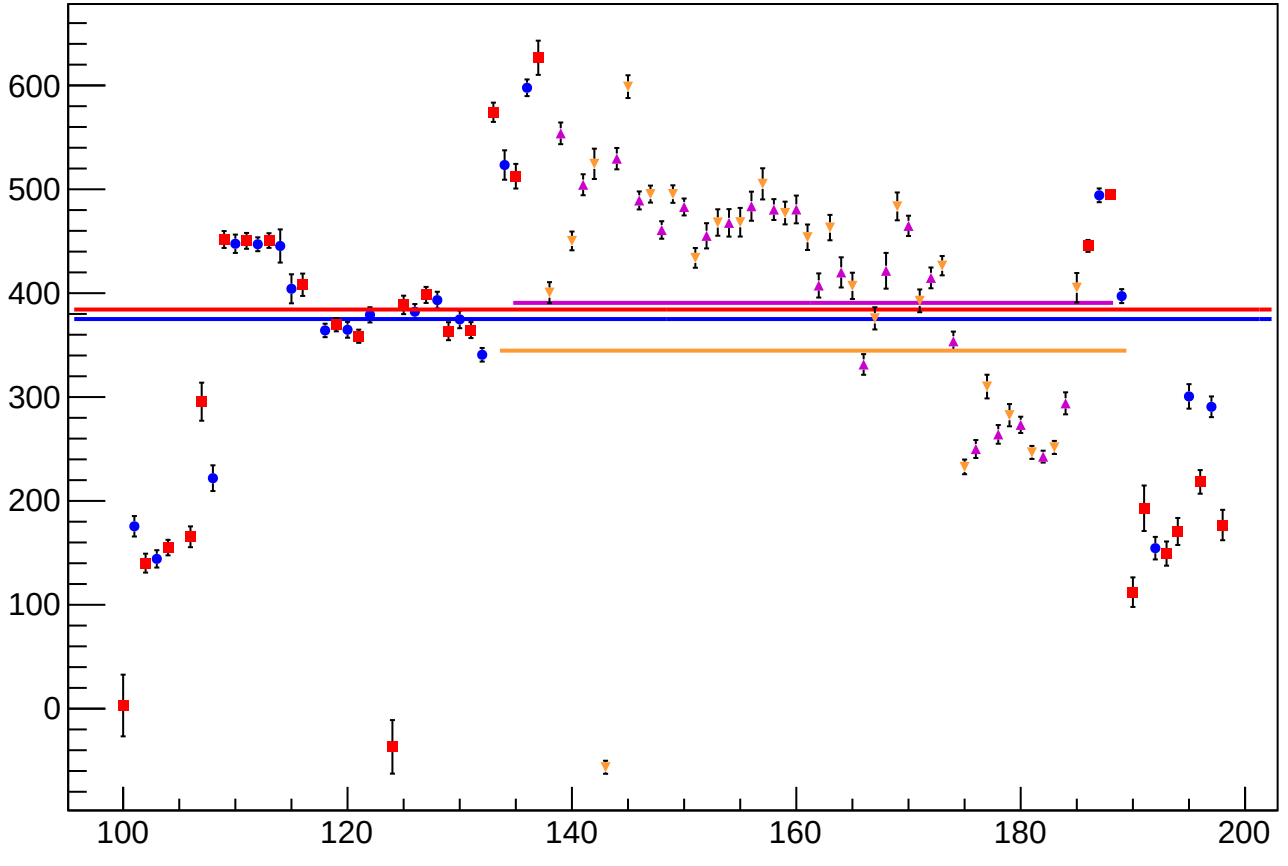
Right: 19.504+/-1.210 χ^2/NDF: 448.6/47

In: 8.794+/-1.160 χ^2/NDF:620.2/43

Out: 12.319+/-1.097 χ^2/NDF:775.6/51

All: 10.656+/-0.797 χ^2/NDF: 1400.7/95

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 375.082+/-1.836 χ^2/NDF: 3308.1/20

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 384.260+/-1.612 χ^2/NDF: 6290.2/26

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

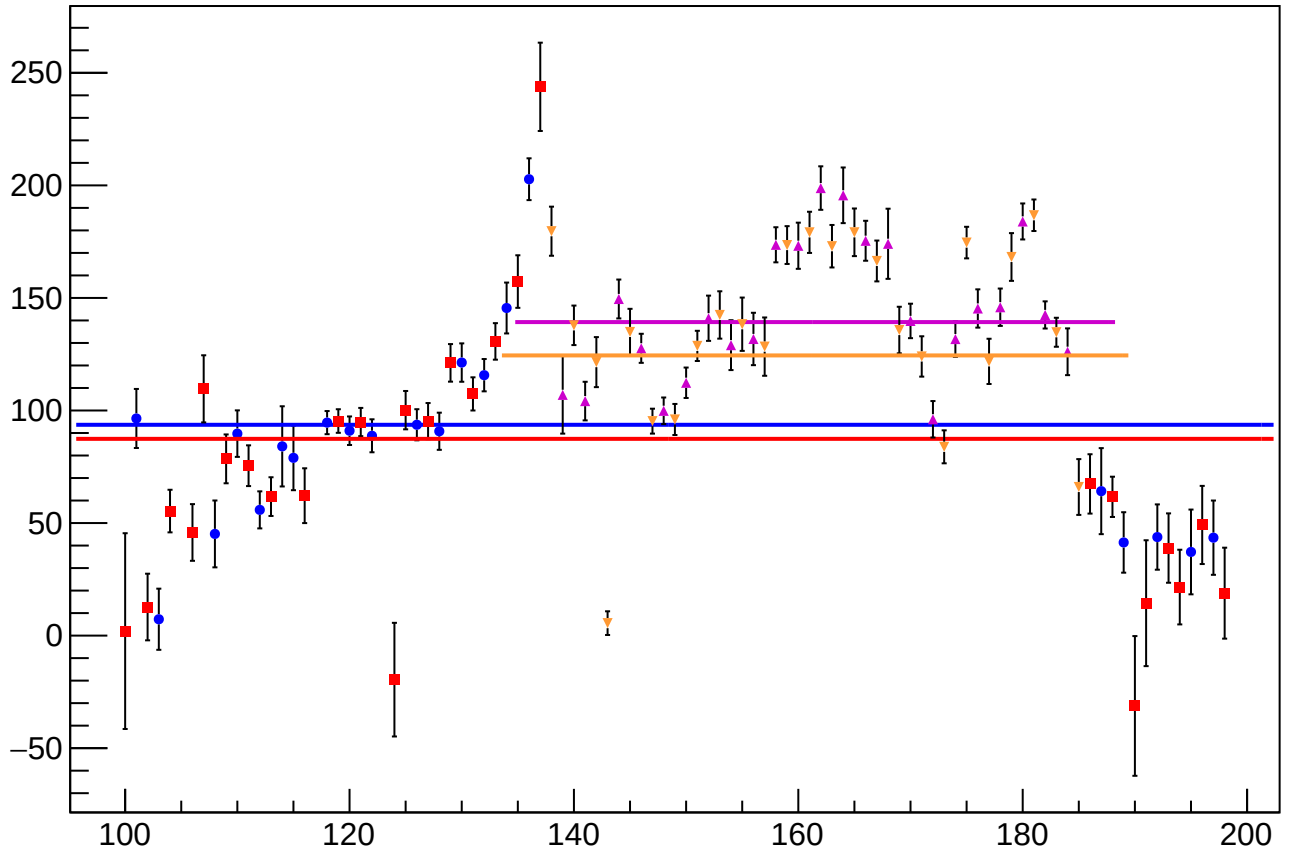
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 380.263+/-1.211 χ^2/NDF: 9612.4/47

In: 382.097+/-1.361 χ^2/NDF:6013.3/43

Out: 367.932+/-1.236 χ^2/NDF:13817.0/51

All: 374.331+/-0.915 χ^2/NDF: 19889.7/95



Right In: 93.648+/-2.054 χ^2/NDF: 301.2/20

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 87.404+/-1.989 χ^2/NDF: 320.1/26

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

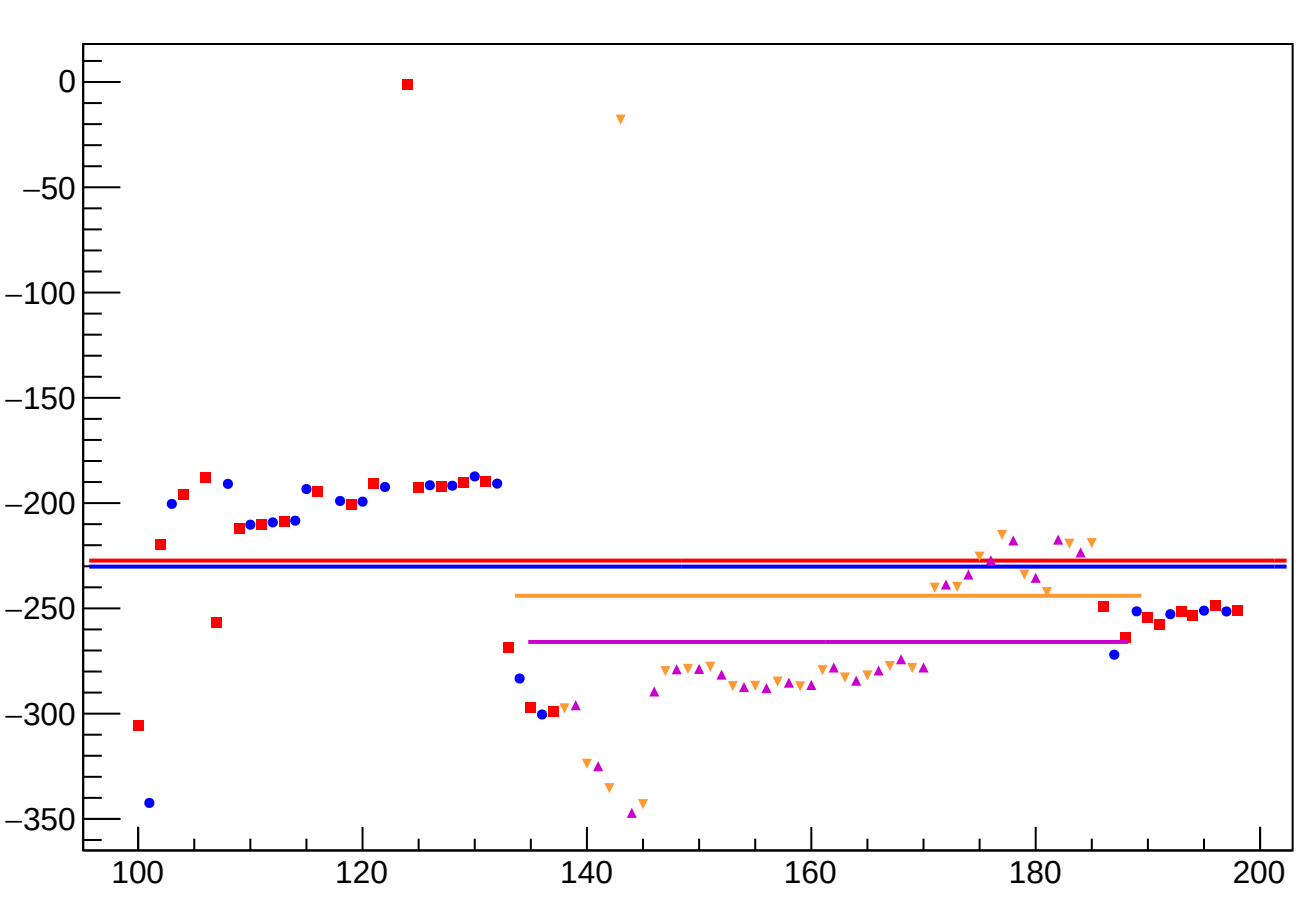
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 90.425+/-1.429 χ^2/NDF: 626.1/47

In: 119.838+/-1.341 χ^2/NDF:845.4/43

Out: 109.227+/-1.275 χ^2/NDF:1462.2/51

All: 114.268+/-0.924 χ^2/NDF: 2340.4/95



Right In: -230.159+/-0.122 χ^2/NDF: 131844.4/20

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -227.309+/-0.113 χ^2/NDF: 106880.0/26

Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

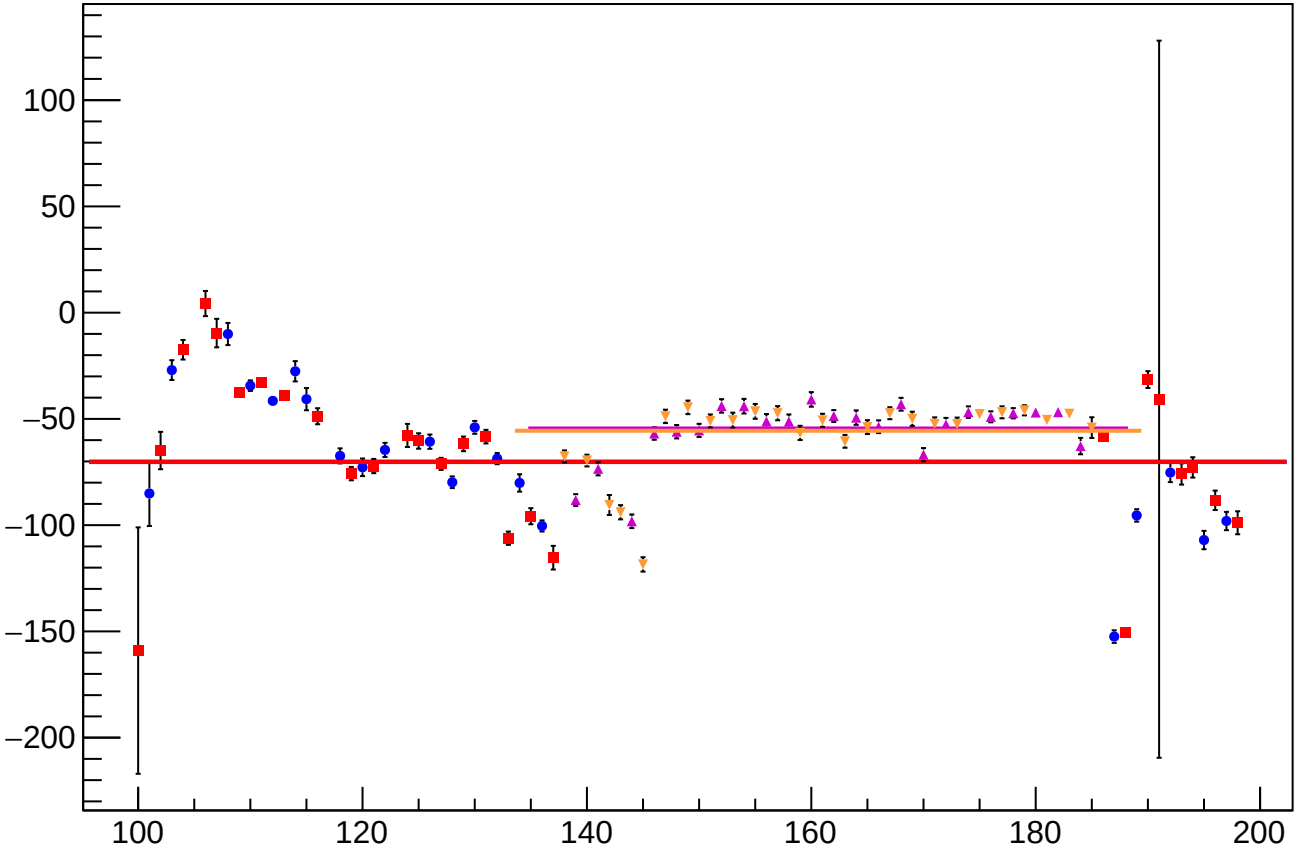
Right: -228.619+/-0.083 χ^2/NDF: 239019.1/47

In: -255.095+/-0.067 χ^2/NDF:361704.0/43

Out: -238.660+/-0.064 χ^2/NDF:1119819.5/51

All: -246.443+/-0.046 χ^2/NDF: 1513011.1/95

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -70.106+/-0.737 χ^2/NDF: 1872.4/20

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -70.315+/-0.635 χ^2/NDF: 3758.9/26

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

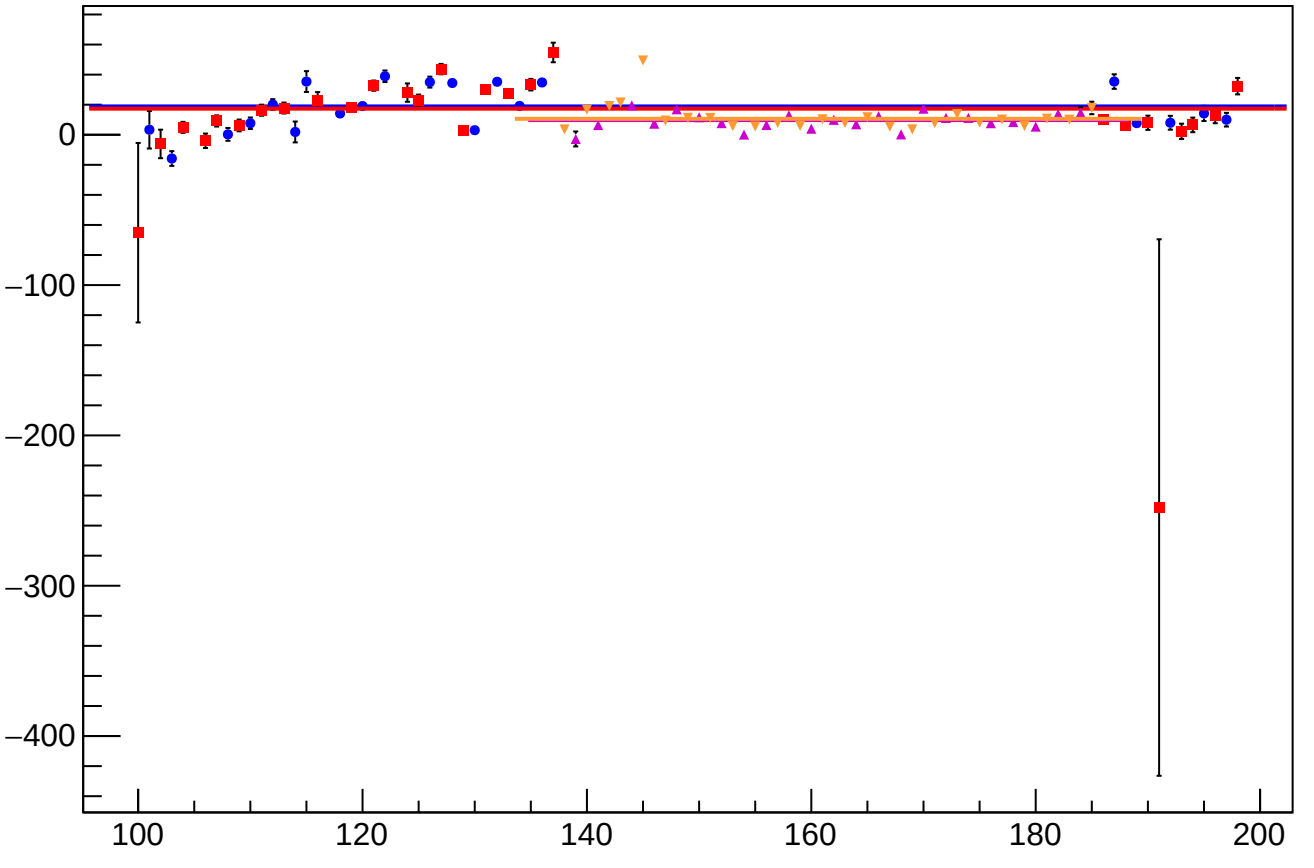
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -70.226+/-0.481 χ^2/NDF: 5631.3/47

In: -60.800+/-0.468 χ^2/NDF:2640.4/43

Out: -62.409+/-0.432 χ^2/NDF:4734.7/51

All: -61.669+/-0.318 χ^2/NDF: 7381.5/95



Right In: 18.841+/-0.790 χ^2/NDF: 282.4/20

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 17.364+/-0.710 χ^2/NDF: 301.1/26

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

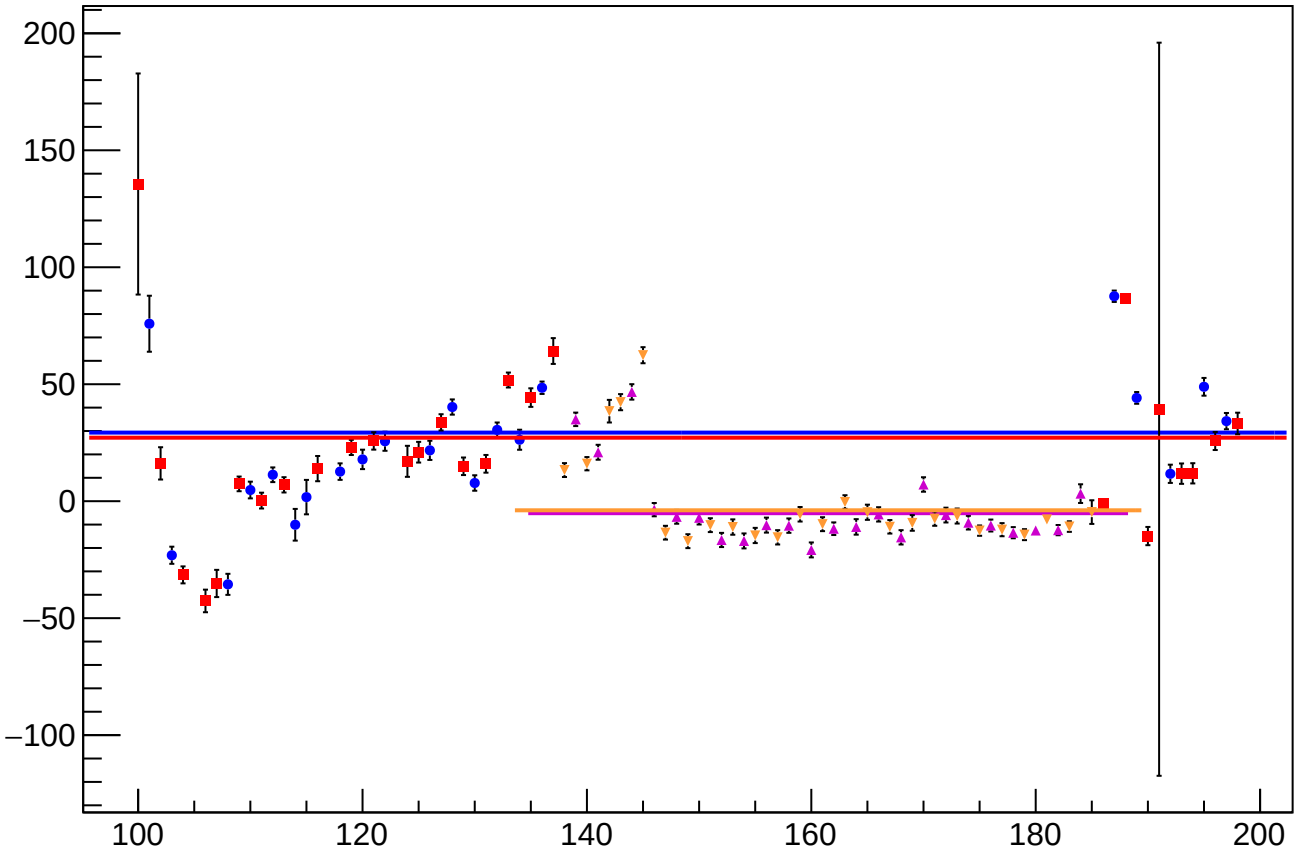
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

Right: 18.024+/-0.528 χ^2/NDF: 585.4/47

In: 12.114+/-0.402 χ^2/NDF:501.2/43

Out: 12.535+/-0.380 χ^2/NDF:621.0/51

All: 12.336+/-0.276 χ^2/NDF: 1122.7/95



Right In: 29.321+/-0.781 χ^2/NDF: 1356.5/20

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 27.148+/-0.640 χ^2/NDF: 3281.1/26

Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

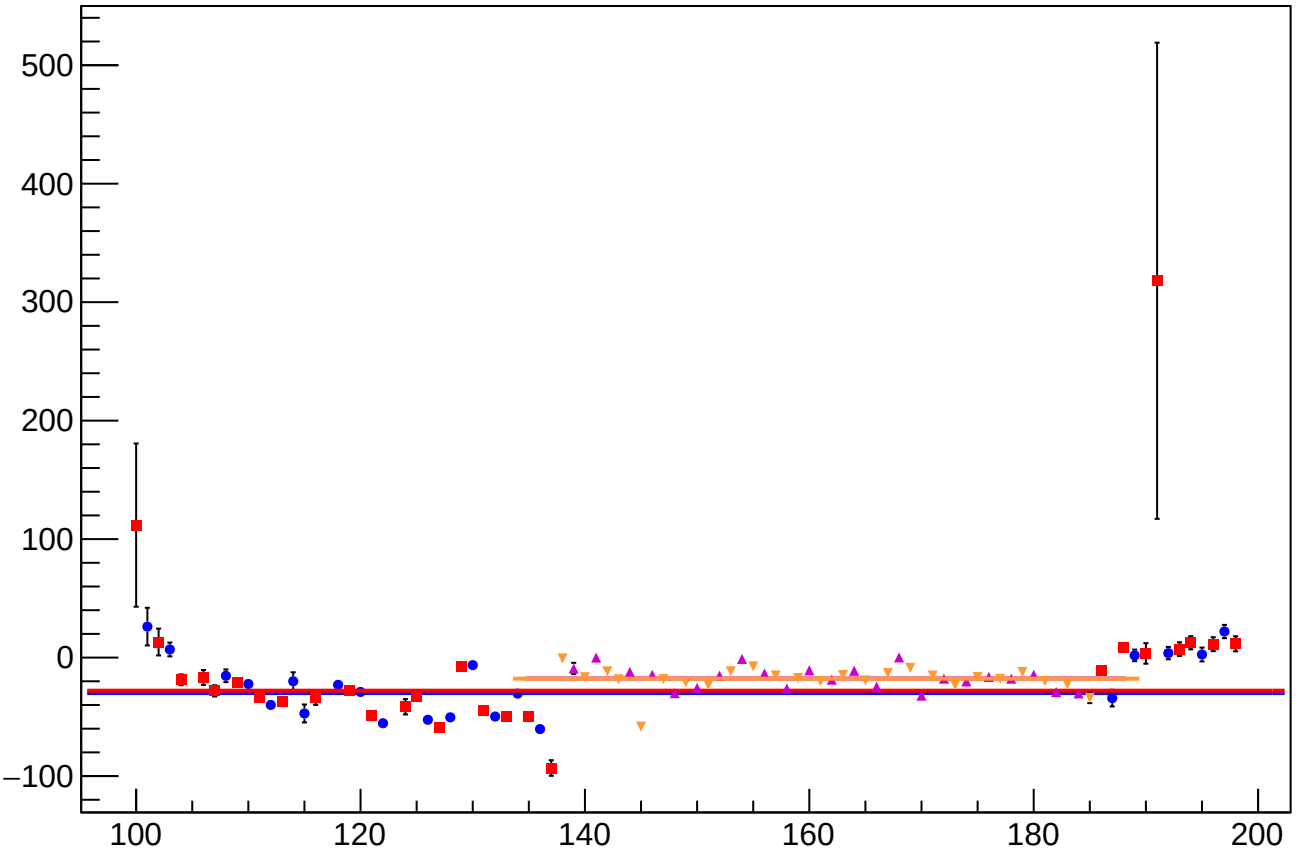
Left: -4.494+/-0.419 χ^2/NDF: 1502.0/47

Right: 28.021+/-0.495 χ^2/NDF: 4642.2/47

In: 7.646+/-0.476 χ^2/NDF:3229.7/43

Out: 10.235+/-0.432 χ^2/NDF:5412.7/51

All: 9.065+/-0.320 χ^2/NDF: 8658.6/95



Right In: -29.927+/-0.921 χ^2/NDF: 572.3/20

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -27.931+/-0.855 χ^2/NDF: 712.3/26

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

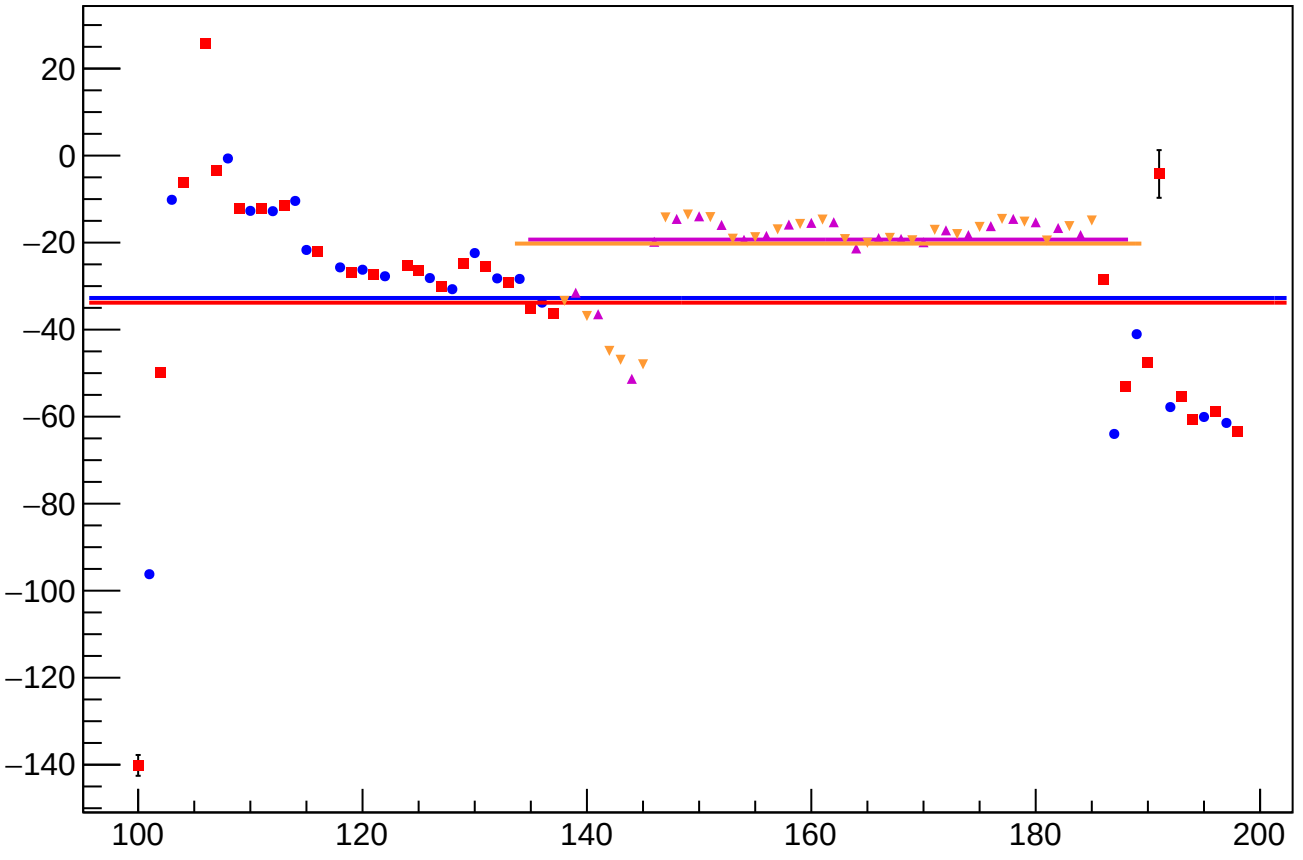
Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

Right: -28.855+/-0.626 χ^2/NDF: 1287.2/47

In: -20.665+/-0.457 χ^2/NDF:992.4/43

Out: -20.433+/-0.437 χ^2/NDF:1068.1/51

All: -20.544+/-0.316 χ^2/NDF: 2060.6/95



Right In: -32.725+/-0.049 χ^2/NDF: 157189.5/20

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -33.806+/-0.046 χ^2/NDF: 242120.4/26

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

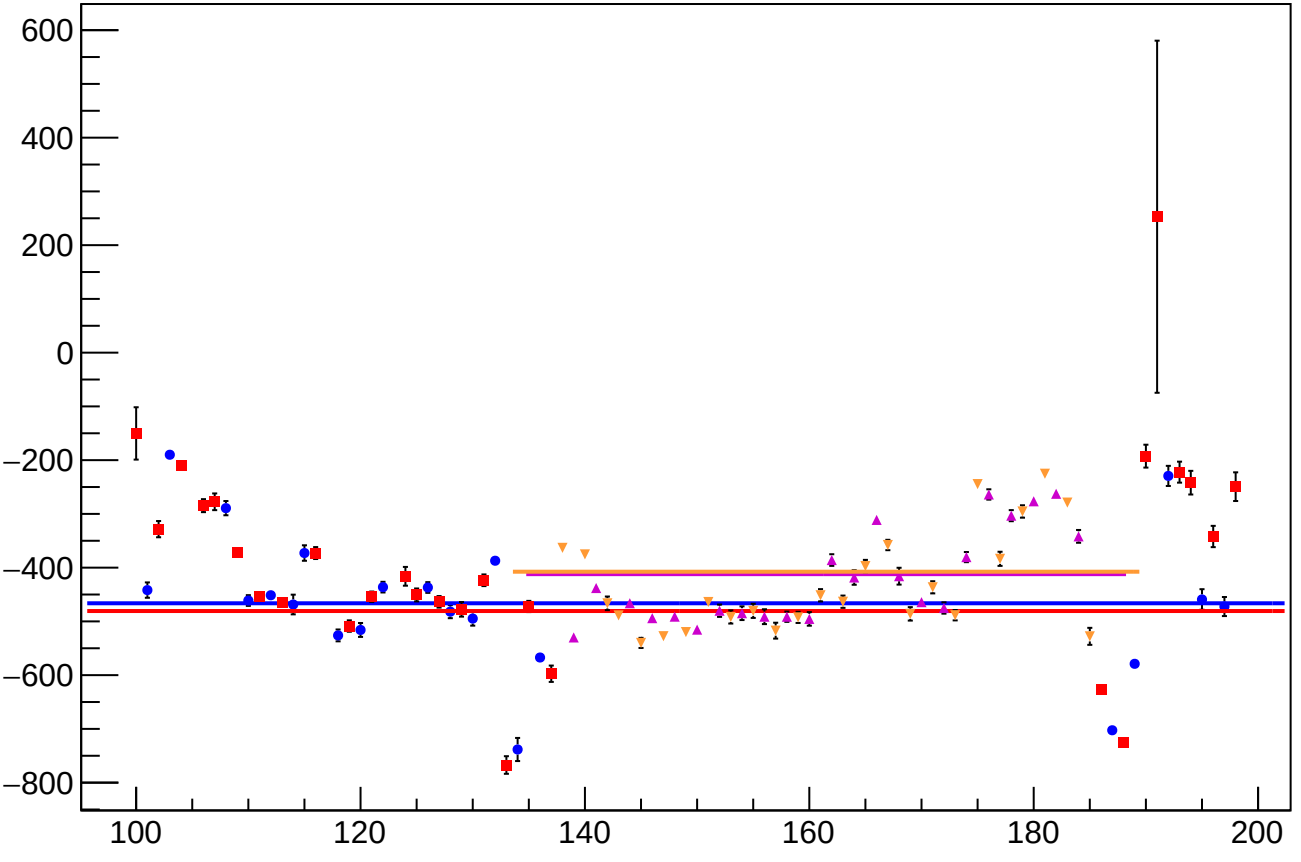
Right: -33.297+/-0.033 χ^2/NDF: 399571.2/47

In: -21.808+/-0.021 χ^2/NDF:312191.8/43

Out: -22.930+/-0.020 χ^2/NDF:459731.1/51

All: -22.383+/-0.015 χ^2/NDF: 773388.8/95

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -466.290+/-2.419 χ^2/NDF: 2622.8/20

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -480.714+/-2.100 χ^2/NDF: 5842.8/26

Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

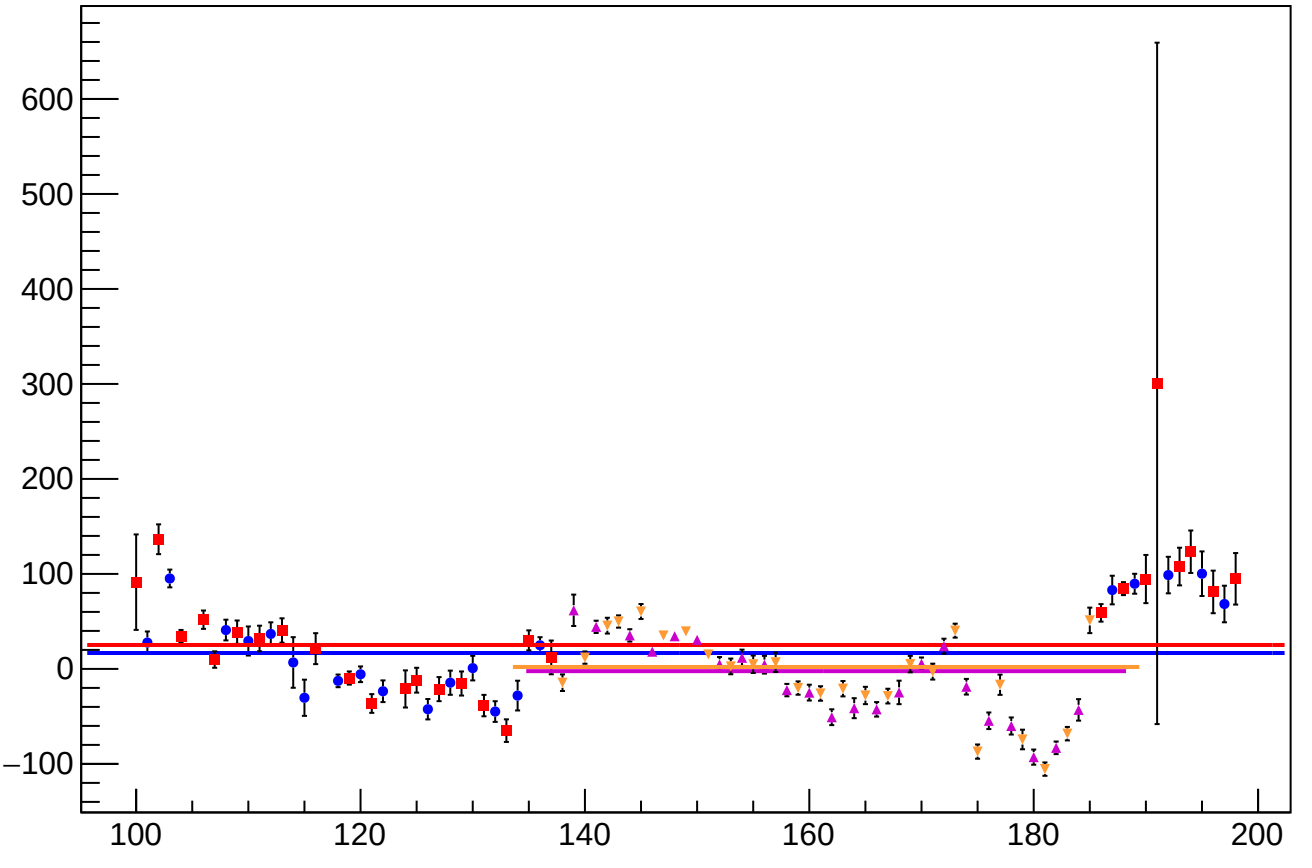
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -474.516+/-1.586 χ^2/NDF: 8485.9/47

In: -434.210+/-1.545 χ^2/NDF:5102.2/43

Out: -441.448+/-1.429 χ^2/NDF:9366.8/51

All: -438.111+/-1.049 χ^2/NDF: 14480.8/95



Right In: 16.742+/-2.539 χ^2/NDF: 309.8/20

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 25.188+/-2.260 χ^2/NDF: 406.3/26

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

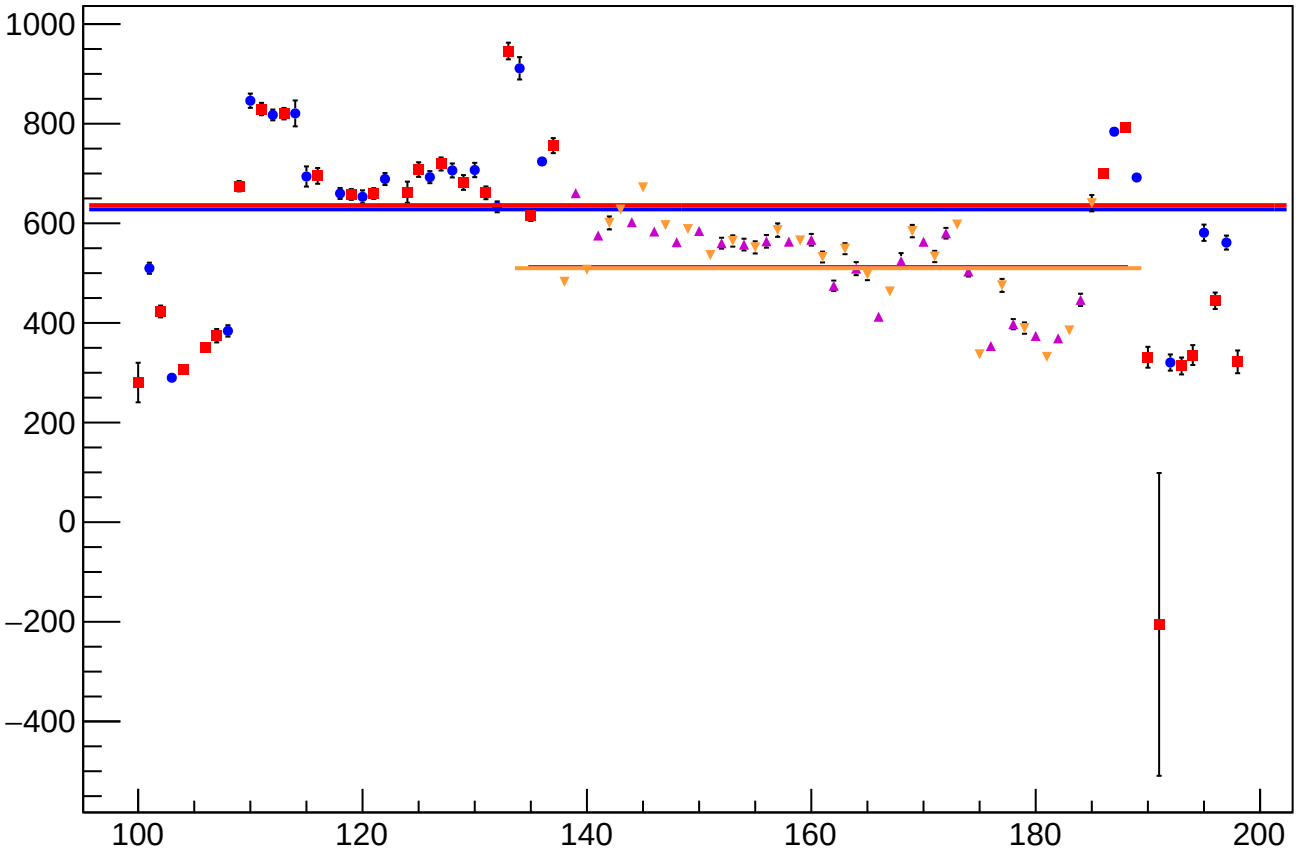
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 21.455+/-1.688 χ^2/NDF: 722.3/47

In: 2.492+/-1.280 χ^2/NDF:1085.4/43

Out: 8.627+/-1.206 χ^2/NDF:1392.1/51

All: 5.742+/-0.878 χ^2/NDF: 2489.7/95



Right In: 627.993+/-2.455 χ^2/NDF: 4801.9/20

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 636.510+/-2.053 χ^2/NDF: 8061.8/26

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

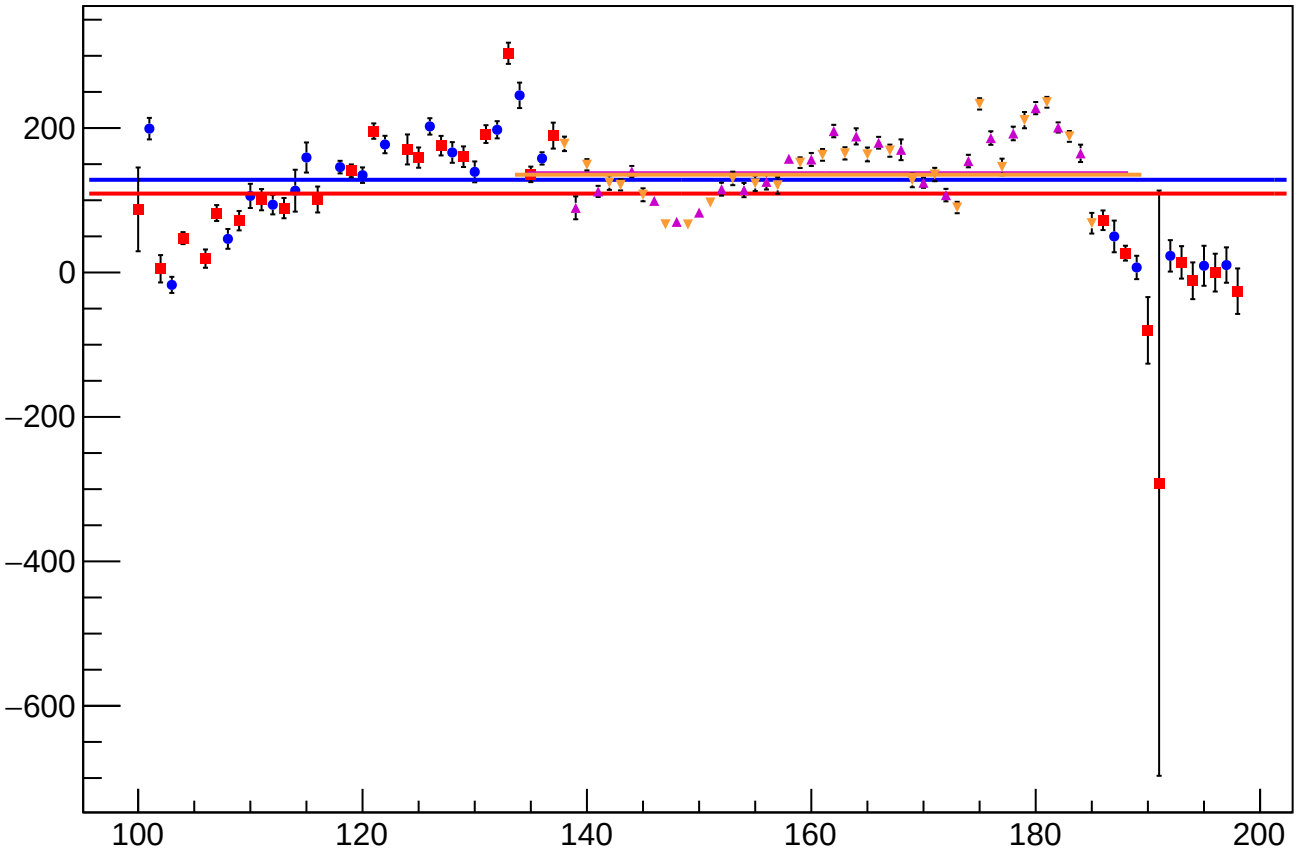
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 633.006+/-1.575 χ^2/NDF: 12870.8/47

In: 557.977+/-1.543 χ^2/NDF:8233.5/43

Out: 569.488+/-1.408 χ^2/NDF:12737.4/51

All: 564.257+/-1.040 χ^2/NDF: 21001.3/95



Right In: 128.341+/-2.992 χ^2/NDF: 534.1/20

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 109.234+/-2.731 χ^2/NDF: 701.4/26

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

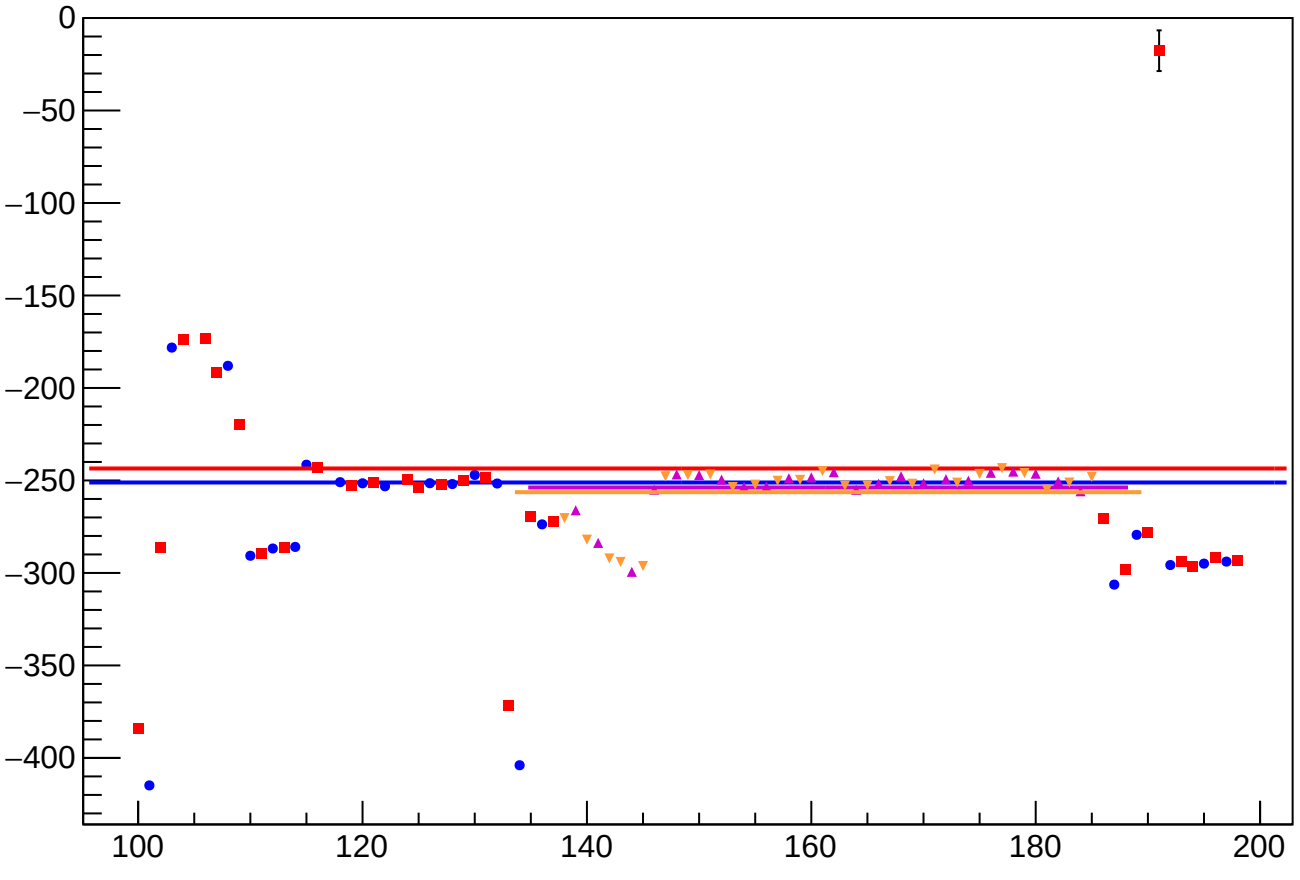
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 117.918+/-2.017 χ^2/NDF: 1257.7/47

In: 135.165+/-1.479 χ^2/NDF:1246.9/43

Out: 128.416+/-1.412 χ^2/NDF:1691.9/51

All: 131.632+/-1.021 χ^2/NDF: 2949.7/95



Right In: -251.098+/-0.149 χ^2/NDF: 188423.9/20

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -243.531+/-0.139 χ^2/NDF: 137417.2/26

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

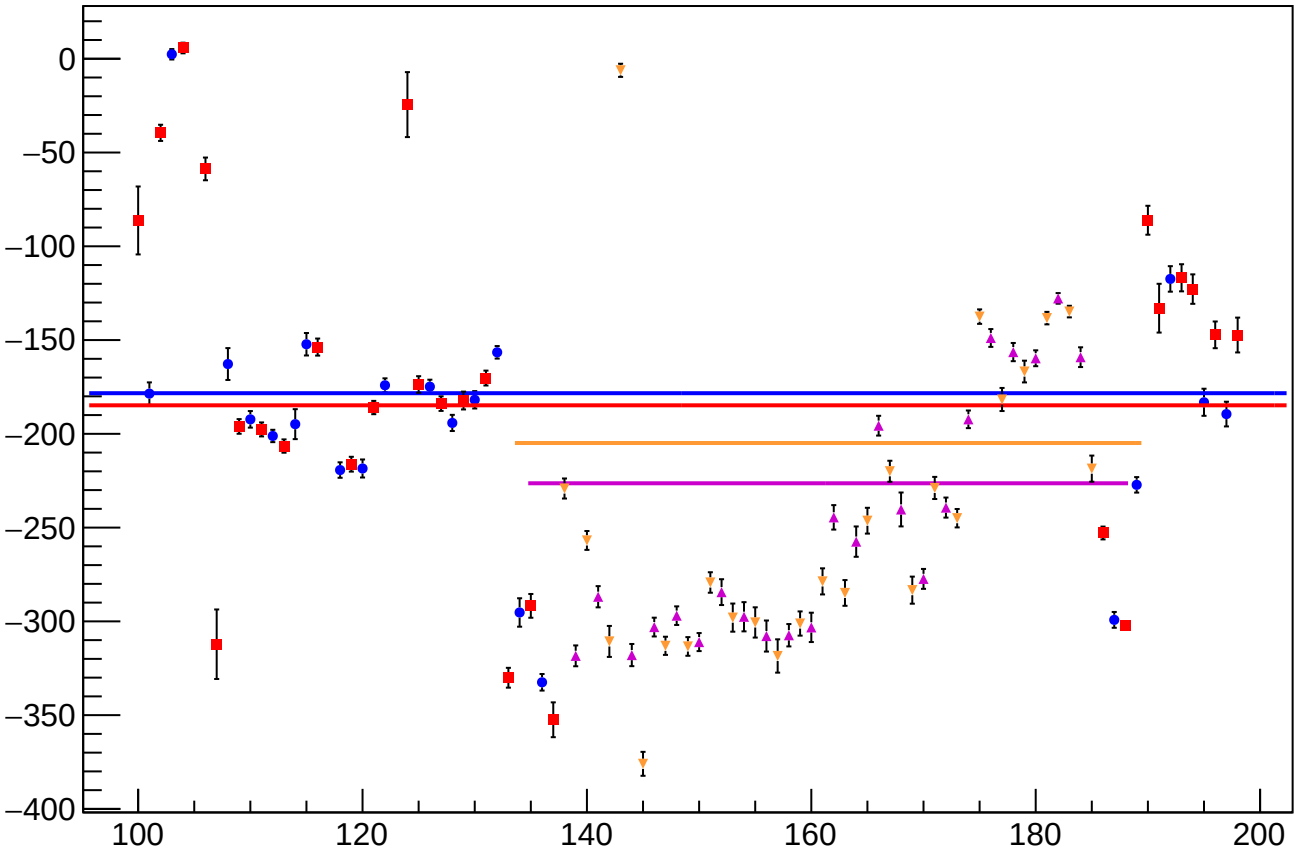
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -247.058+/-0.102 χ^2/NDF: 327216.6/47

In: -253.235+/-0.069 χ^2/NDF:212762.1/43

Out: -253.345+/-0.067 χ^2/NDF:183411.1/51

All: -253.291+/-0.048 χ^2/NDF: 396174.5/95



Right In: -178.333+/-0.979 χ^2/NDF: 7037.9/20

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -184.794+/-0.881 χ^2/NDF: 11227.9/26

Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

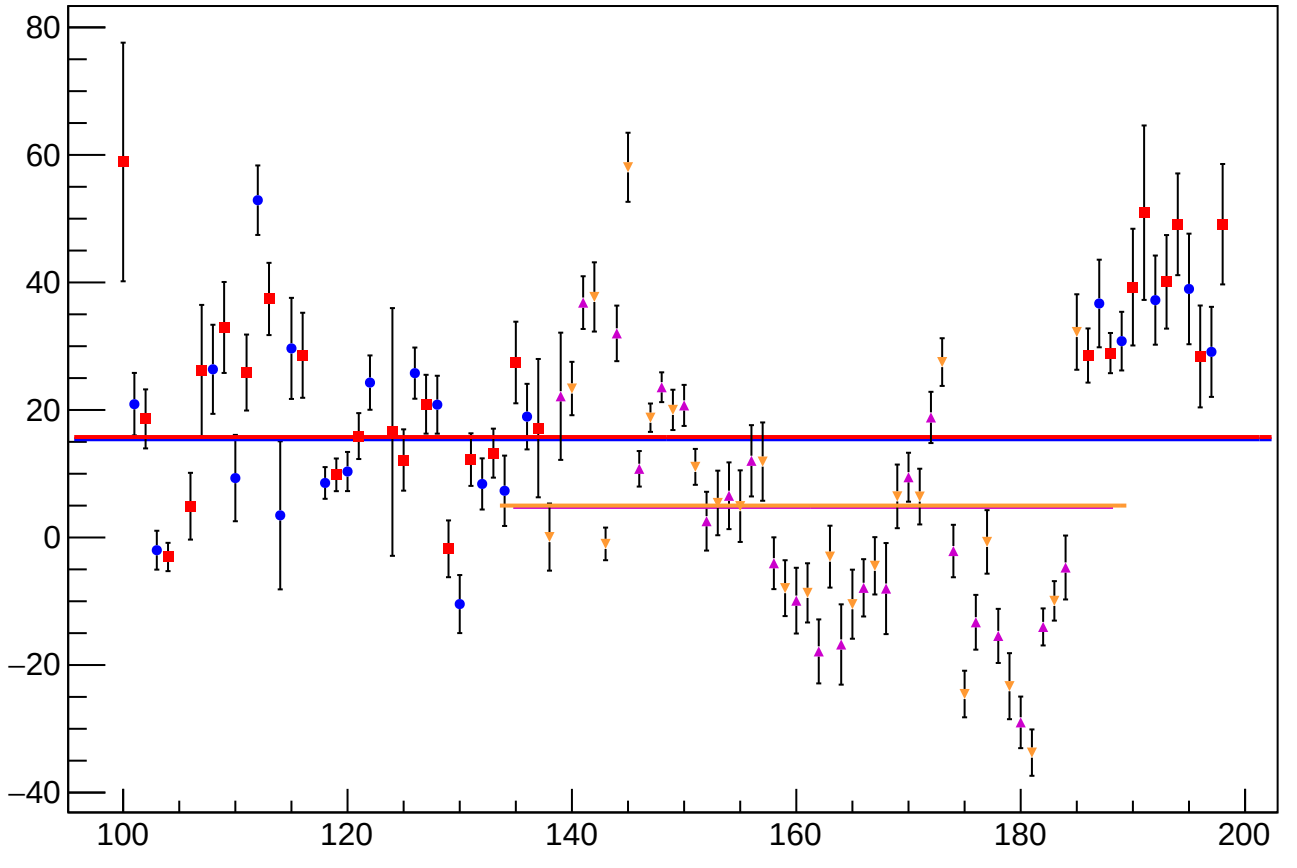
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -181.906+/-0.655 χ^2/NDF: 18289.9/47

In: -199.465+/-0.733 χ^2/NDF:12315.2/43

Out: -193.073+/-0.675 χ^2/NDF:19268.8/51

All: -196.008+/-0.497 χ^2/NDF: 31625.2/95



Right In: 15.407+/-1.007 χ^2/NDF: 191.1/20

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 15.756+/-0.926 χ^2/NDF: 220.3/26

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

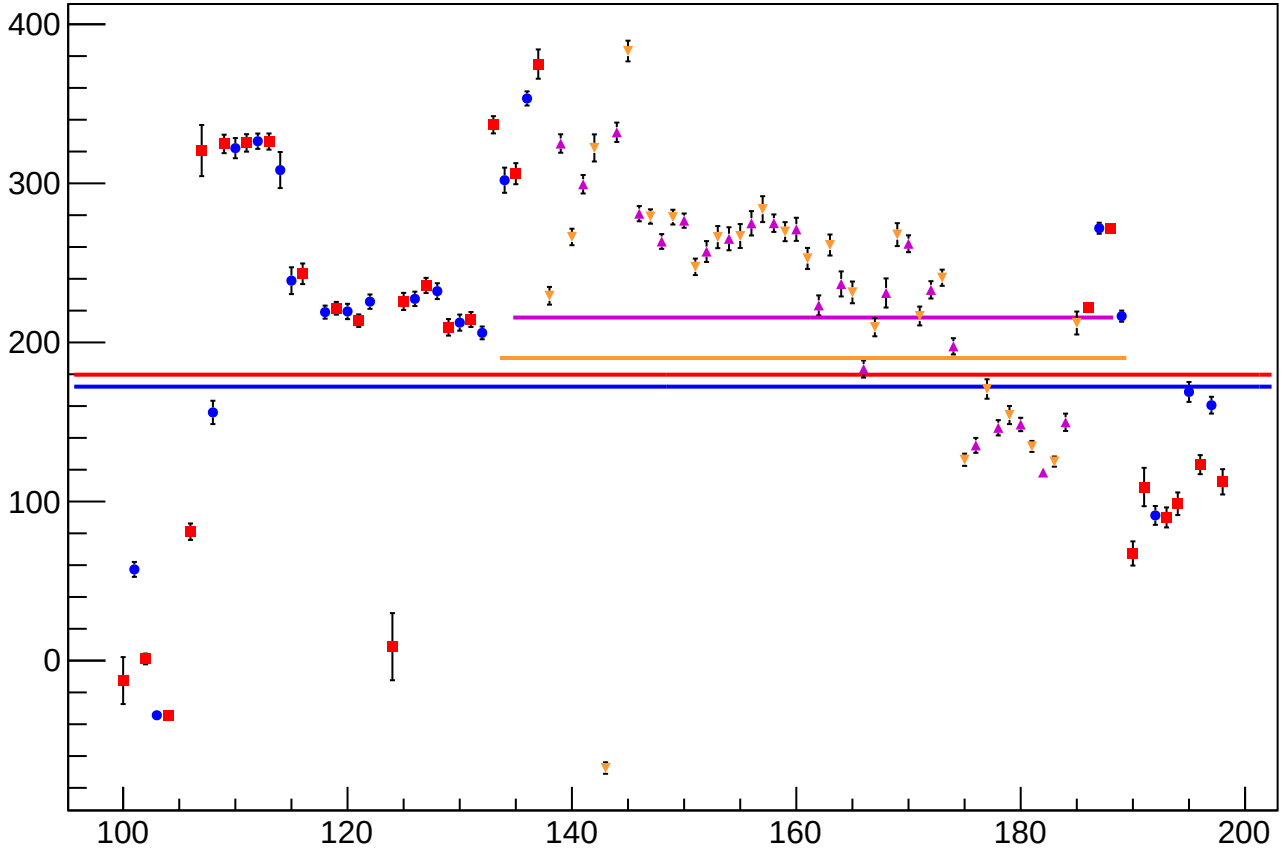
Right: 15.597+/-0.682 χ^2/NDF: 411.5/47

In: 9.189+/-0.648 χ^2/NDF:682.4/43

Out: 9.558+/-0.602 χ^2/NDF:846.6/51

All: 9.387+/-0.441 χ^2/NDF: 1529.2/95

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 172.211+/-0.987 χ^2/NDF: 15235.0/20

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 179.735+/-0.856 χ^2/NDF: 20505.6/26

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

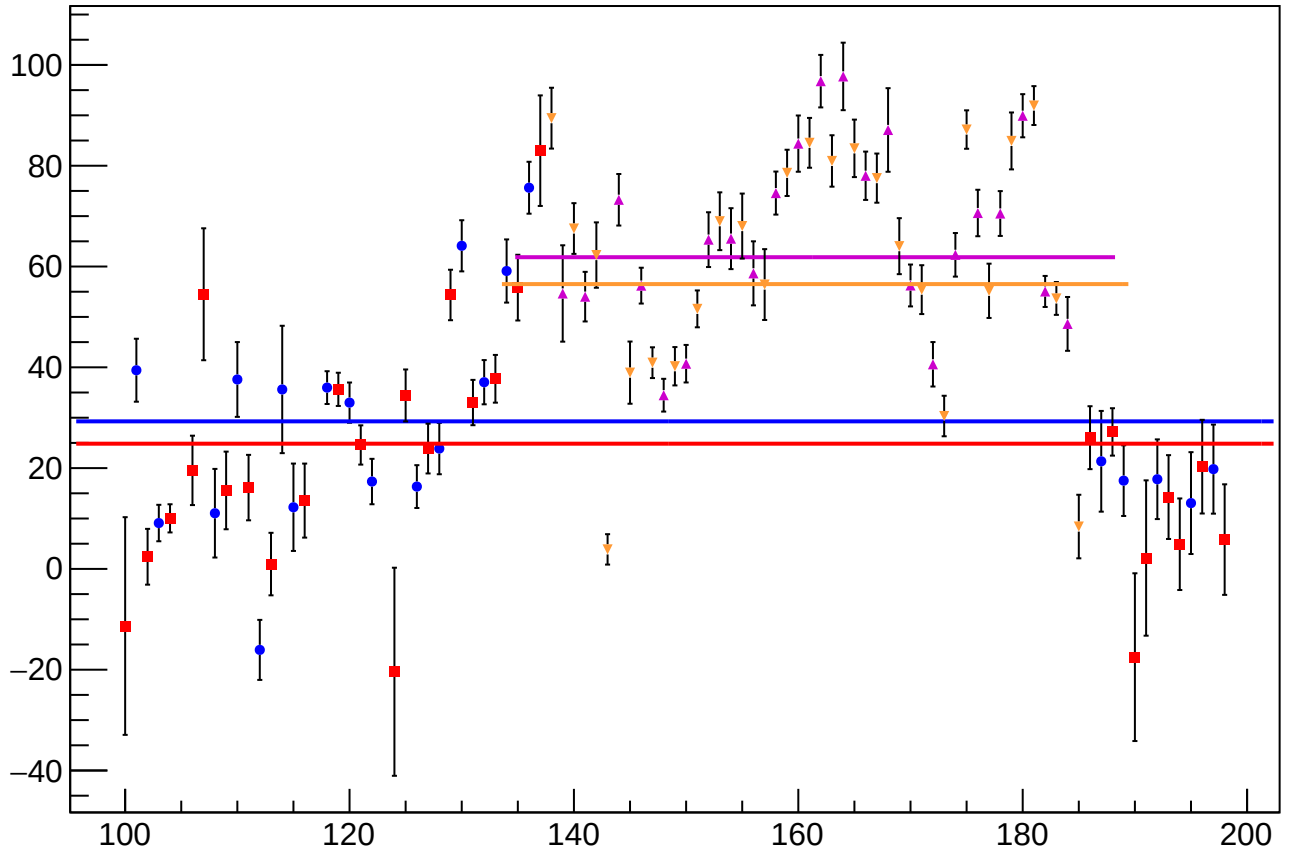
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 176.505+/-0.647 χ^2/NDF: 35773.7/47

In: 191.624+/-0.734 χ^2/NDF:19986.2/43

Out: 183.923+/-0.664 χ^2/NDF:29949.4/51

All: 187.385+/-0.492 χ^2/NDF: 49996.2/95



Right In: 29.278+/-1.192 χ^2/NDF: 287.2/20

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 24.846+/-1.115 χ^2/NDF: 207.2/26

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

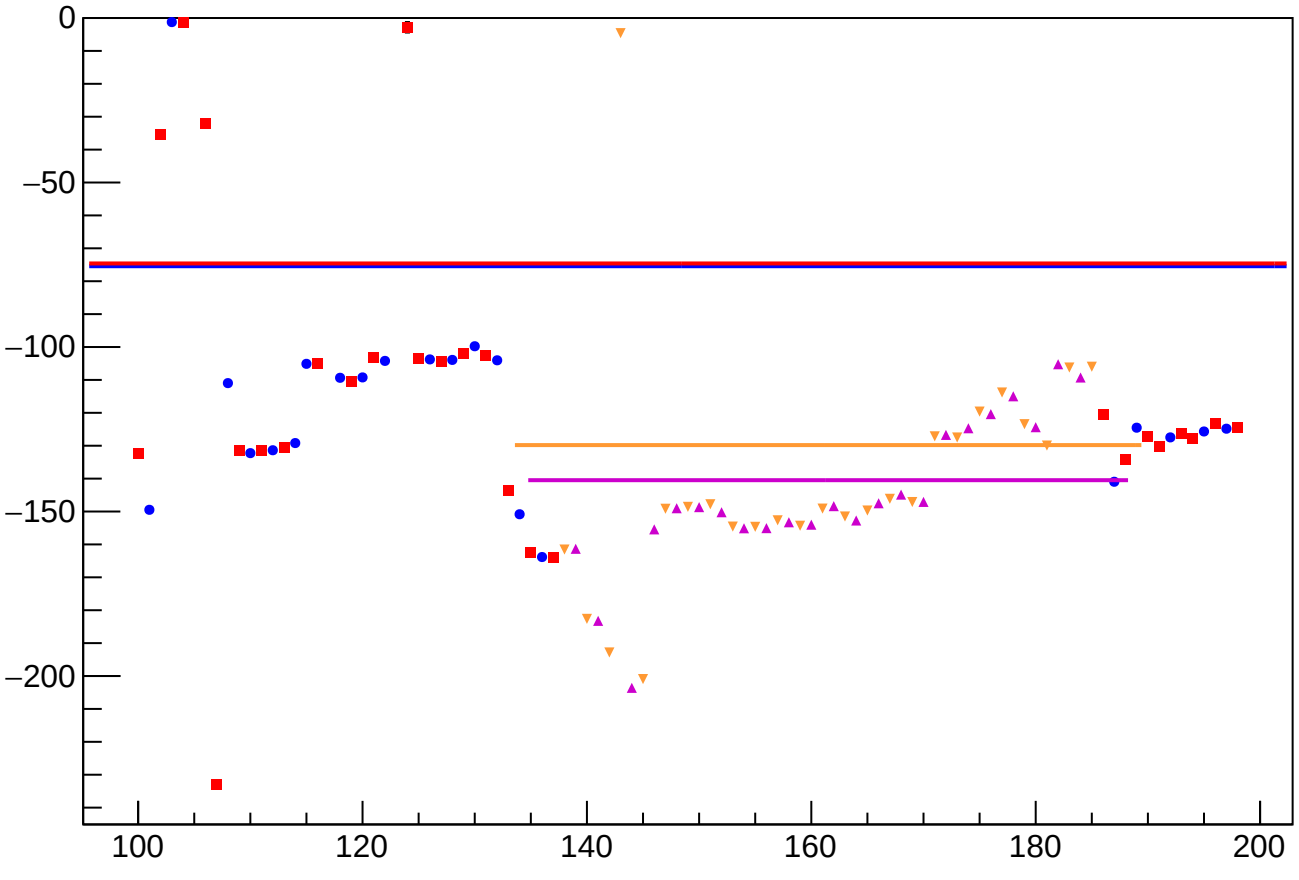
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 26.915+/-0.814 χ^2/NDF: 501.7/47

In: 49.006+/-0.748 χ^2/NDF:1060.5/43

Out: 43.867+/-0.704 χ^2/NDF:1490.7/51

All: 46.282+/-0.513 χ^2/NDF: 2576.2/95



Right In: -75.439+/-0.058 χ^2/NDF: 1208572.6/20

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -74.602+/-0.054 χ^2/NDF: 1179462.0/26

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

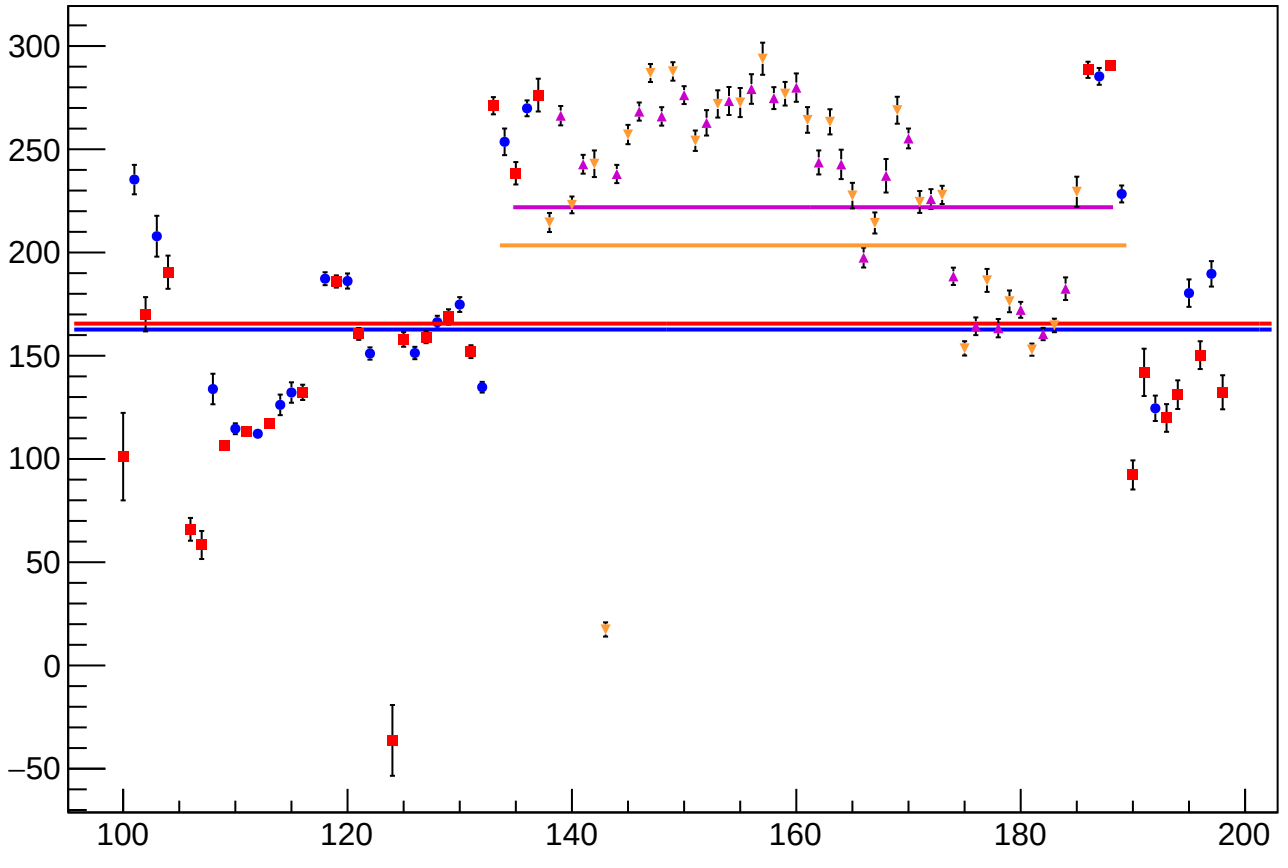
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -74.992+/-0.040 χ^2/NDF: 2388145.9/47

In: -116.961+/-0.035 χ^2/NDF:2265308.7/43

Out: -108.982+/-0.033 χ^2/NDF:2851403.5/51

All: -112.782+/-0.024 χ^2/NDF: 5144098.5/95



Right In: 162.687+/-0.811 χ^2/NDF: 3603.6/20

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 165.560+/-0.736 χ^2/NDF: 8043.4/26

Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

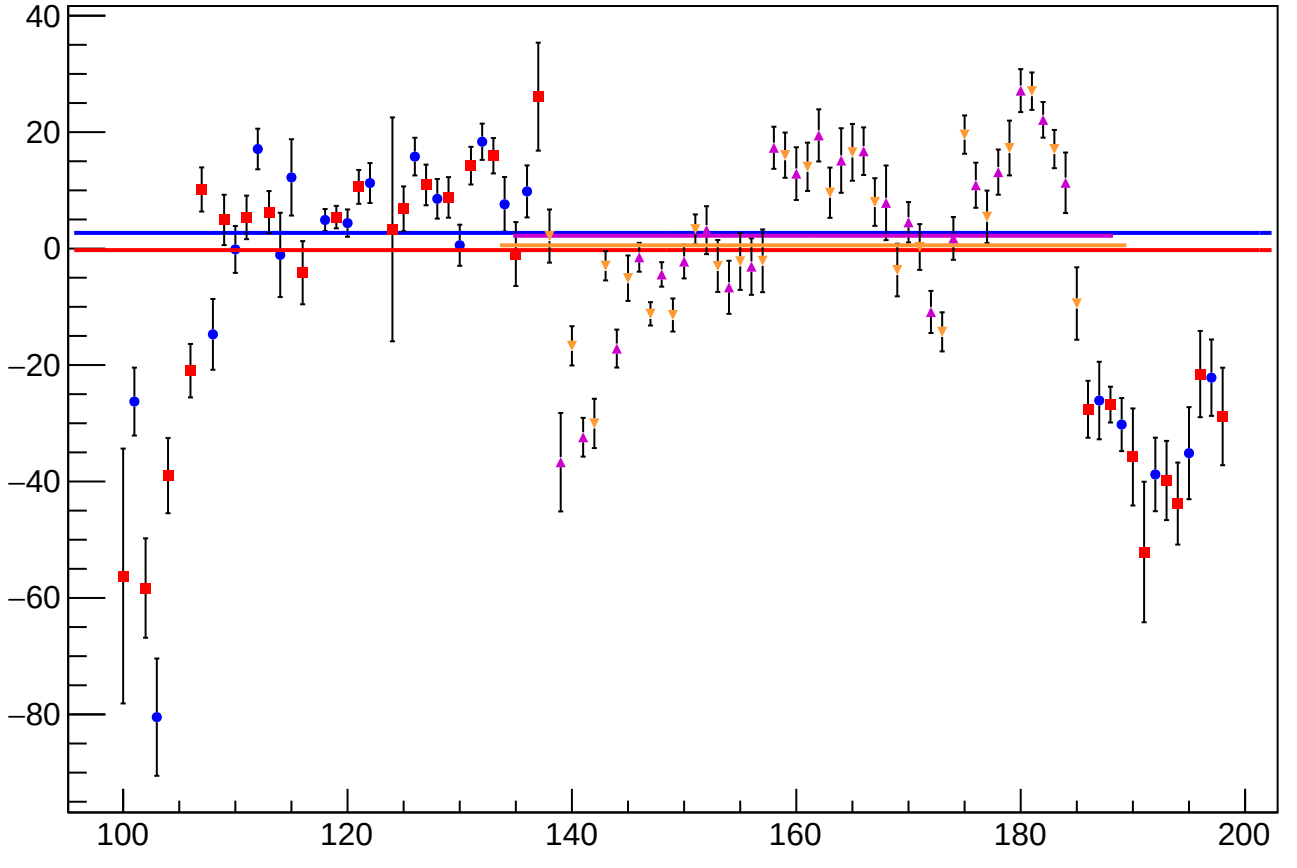
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 164.264+/-0.545 χ^2/NDF: 11653.8/47

In: 186.121+/-0.631 χ^2/NDF:7698.7/43

Out: 179.710+/-0.582 χ^2/NDF:14525.6/51

All: 182.660+/-0.428 χ^2/NDF: 22280.1/95



Right In: 2.697+/-0.846 χ^2/NDF: 329.2/20

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -0.262+/-0.815 χ^2/NDF: 458.0/26

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

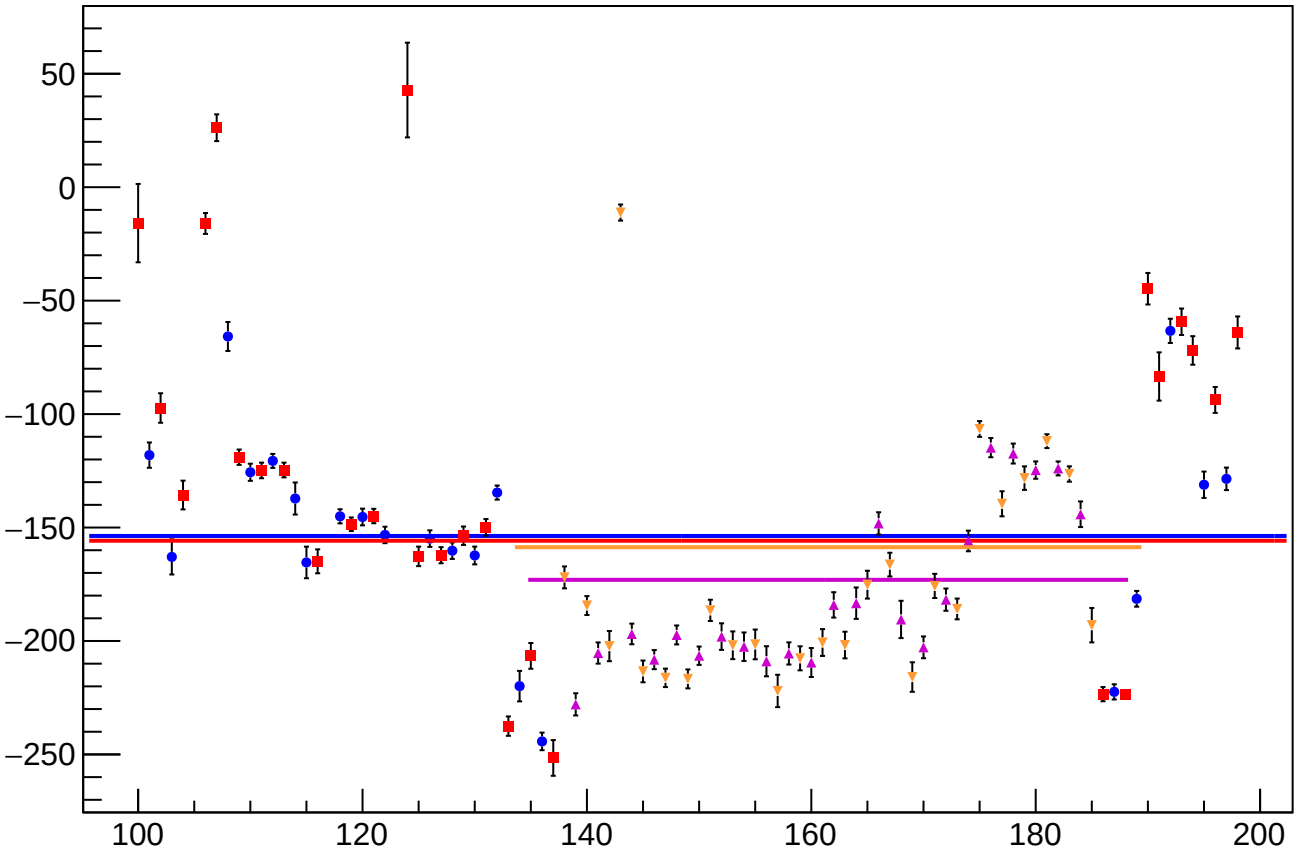
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: 1.161+/-0.587 χ^2/NDF: 793.5/47

In: 2.427+/-0.565 χ^2/NDF:687.5/43

Out: 0.207+/-0.538 χ^2/NDF:804.1/51

All: 1.261+/-0.390 χ^2/NDF: 1499.7/95



Right In: -153.709+/-0.902 χ^2/NDF: 1923.7/20

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -155.814+/-0.797 χ^2/NDF: 6032.0/26

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

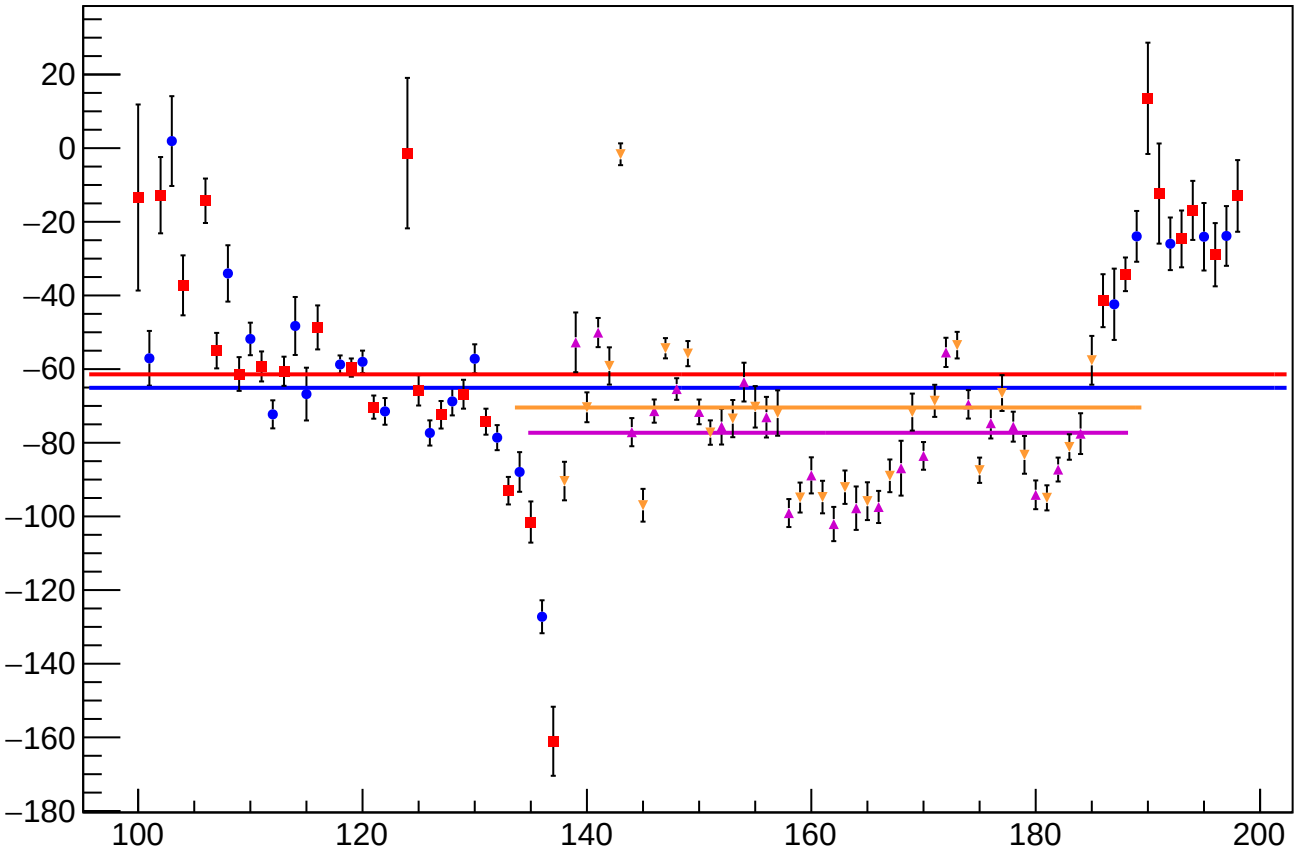
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -154.891+/-0.598 χ^2/NDF: 7958.7/47

In: -162.430+/-0.669 χ^2/NDF:3530.6/43

Out: -156.989+/-0.611 χ^2/NDF:9529.0/51

All: -159.464+/-0.451 χ^2/NDF: 13095.7/95



Right In: -65.082+/-0.993 χ^2/NDF: 441.8/20

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -61.421+/-0.959 χ^2/NDF: 553.4/26

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

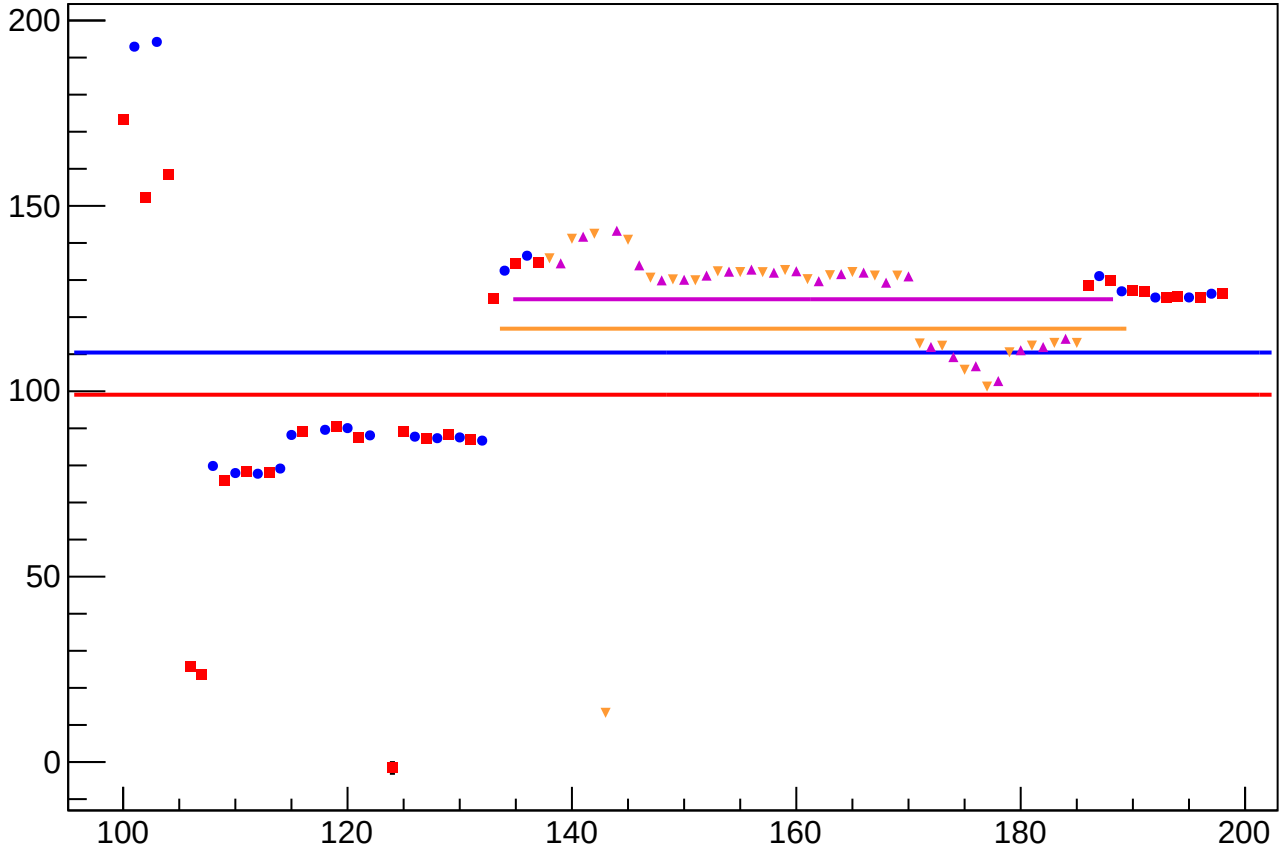
Right: -63.189+/-0.690 χ^2/NDF: 1002.2/47

In: -72.014+/-0.652 χ^2/NDF:782.0/43

Out: -66.616+/-0.624 χ^2/NDF:1505.9/51

All: -69.194+/-0.451 χ^2/NDF: 2323.6/95

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 110.446+/-0.062 χ^2/NDF: 259389.2/20

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 99.069+/-0.055 χ^2/NDF: 477963.2/26

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

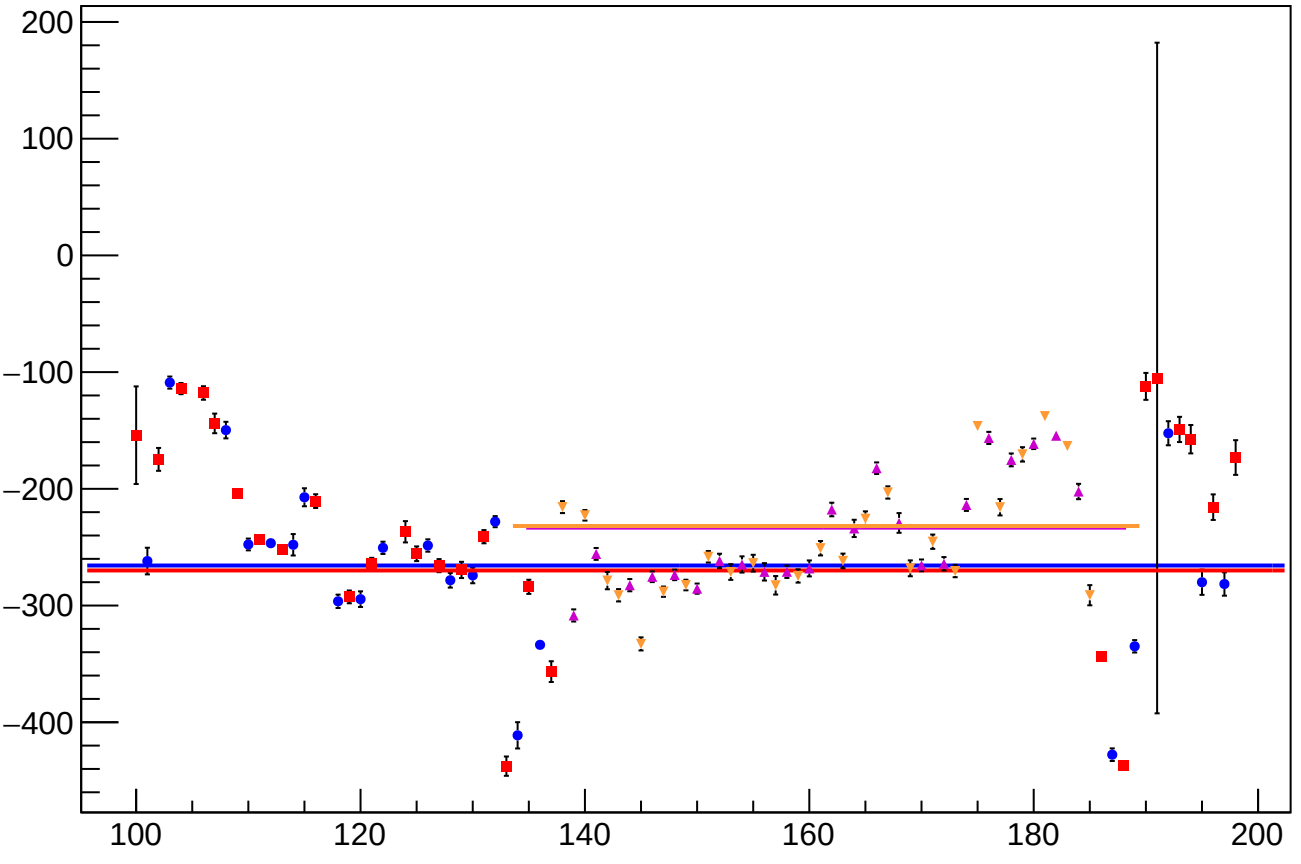
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 104.103+/-0.041 χ^2/NDF: 756138.4/47

In: 120.694+/-0.033 χ^2/NDF:385839.1/43

Out: 111.136+/-0.031 χ^2/NDF:1171574.0/51

All: 115.641+/-0.023 χ^2/NDF: 1601203.0/95



Right In: -265.711+/-1.312 χ^2/NDF: 3034.6/20

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -269.947+/-1.133 χ^2/NDF: 7250.7/26

Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

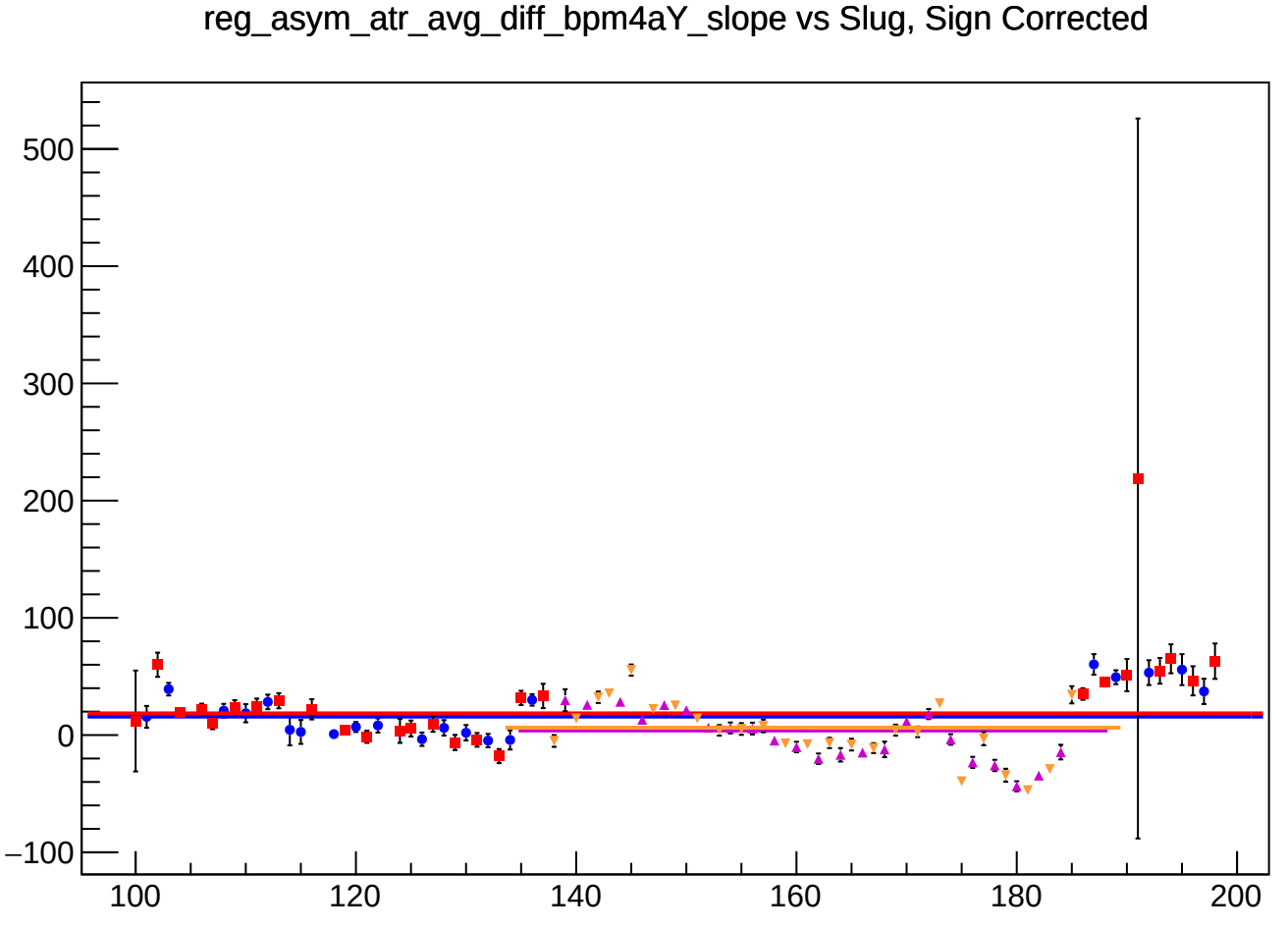
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

Right: -268.138+/-0.857 χ^2/NDF: 10291.3/47

In: -246.762+/-0.846 χ^2/NDF:5458.8/43

Out: -249.992+/-0.782 χ^2/NDF:10519.8/51

All: -248.505+/-0.574 χ^2/NDF: 15986.5/95



Right In: 15.784+/-1.378 χ^2/NDF: 179.1/20

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 18.518+/-1.222 χ^2/NDF: 237.5/26

Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

Left: 5.140+/-0.568 χ^2/NDF: 1526.1/47

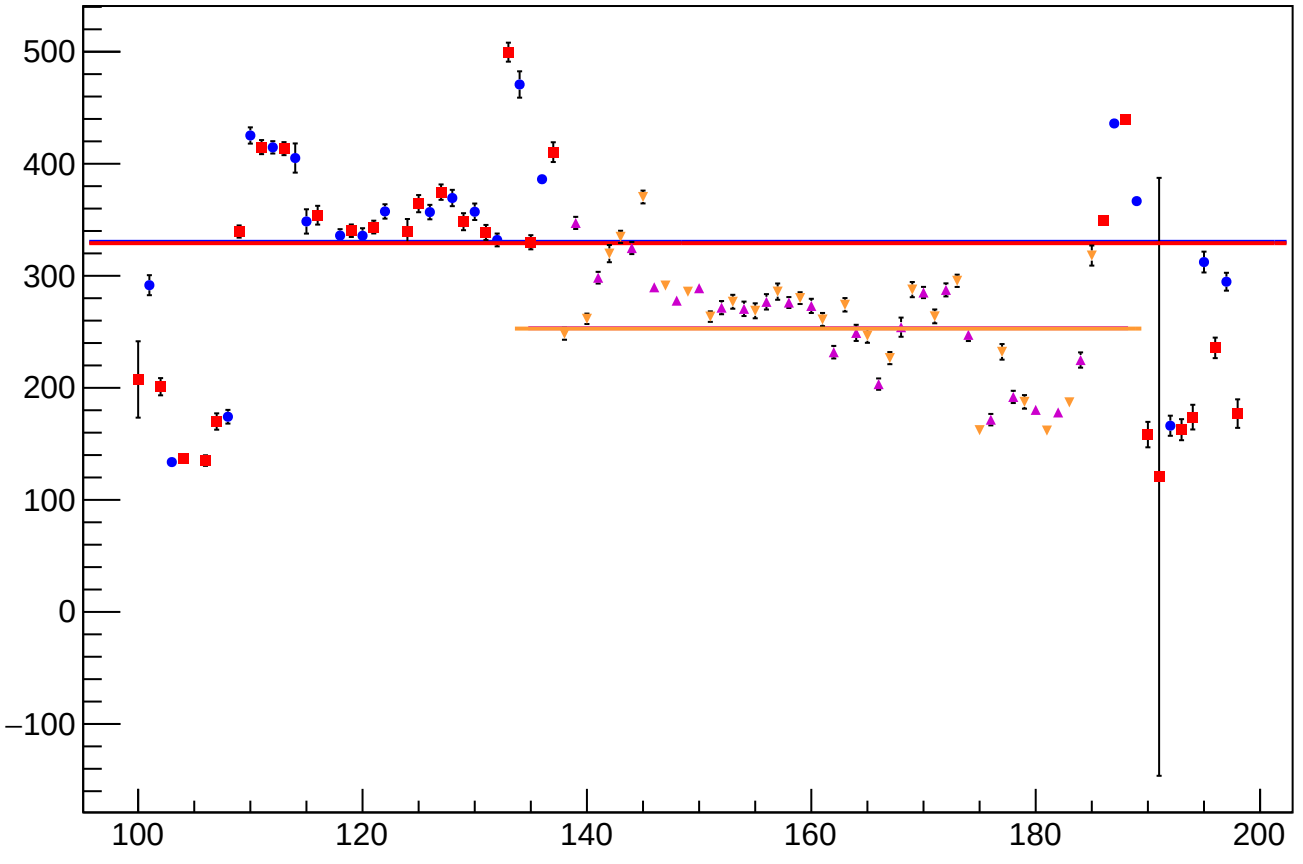
Right: 17.314+/-0.914 χ^2/NDF: 418.7/47

In: 7.003+/-0.704 χ^2/NDF:884.3/43

Out: 9.885+/-0.663 χ^2/NDF:1179.6/51

All: 8.530+/-0.482 χ^2/NDF: 2072.8/95

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 330.321+/-1.363 χ^2/NDF: 4831.3/20

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 329.124+/-1.130 χ^2/NDF: 9305.0/26

Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

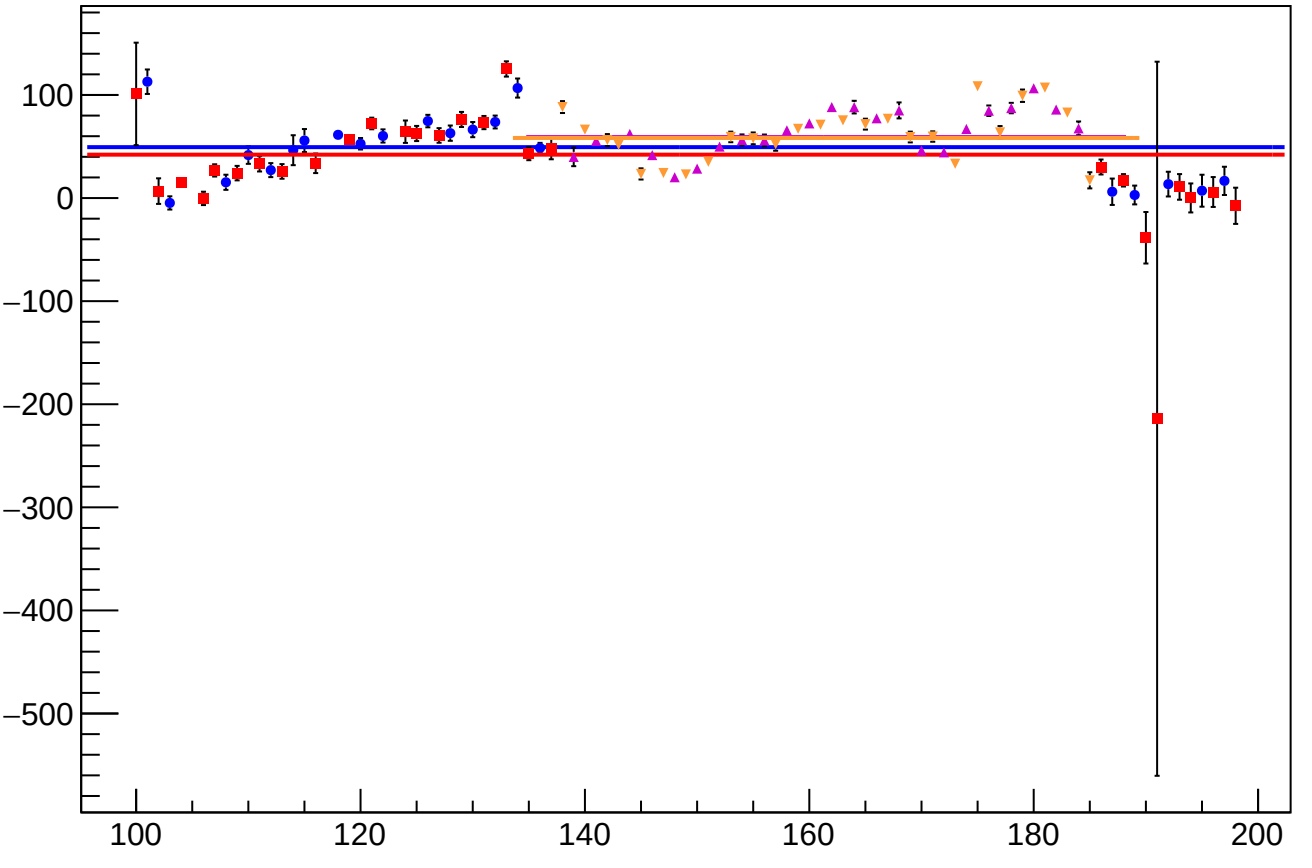
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 329.612+/-0.870 χ^2/NDF: 14136.8/47

In: 283.436+/-0.853 χ^2/NDF:8837.2/43

Out: 288.945+/-0.777 χ^2/NDF:14283.1/51

All: 286.446+/-0.574 χ^2/NDF: 23143.1/95



Right In: 49.388+/-1.620 χ^2/NDF: 282.5/20

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 42.103+/-1.472 χ^2/NDF: 394.2/26

Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

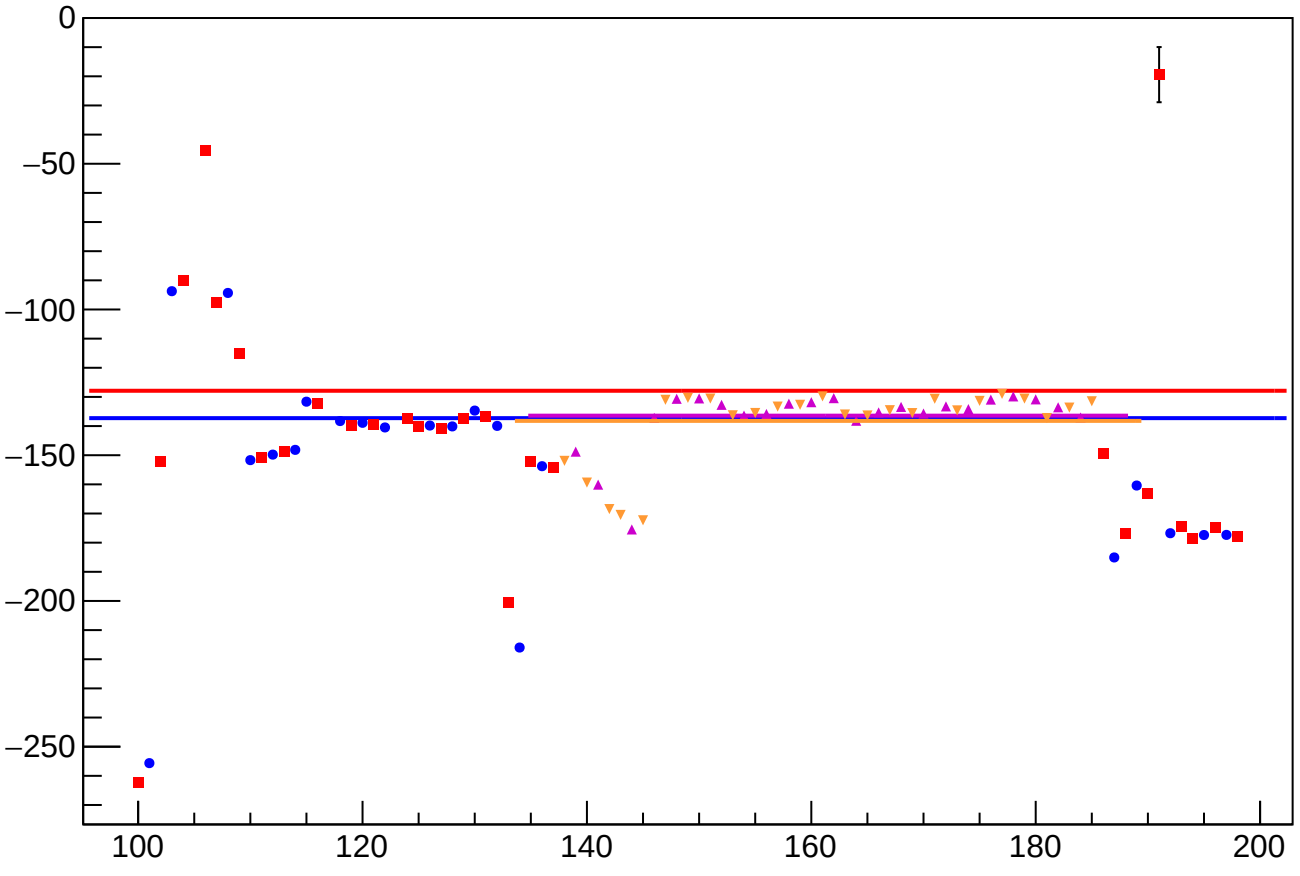
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 45.397+/-1.089 χ^2/NDF: 687.8/47

In: 56.698+/-0.812 χ^2/NDF:942.2/43

Out: 53.814+/-0.775 χ^2/NDF:1332.0/51

All: 55.189+/-0.561 χ^2/NDF: 2280.8/95



Right In: -137.278+/-0.083 χ^2/NDF: 212585.4/20

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -127.885+/-0.076 χ^2/NDF: 302482.8/26

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

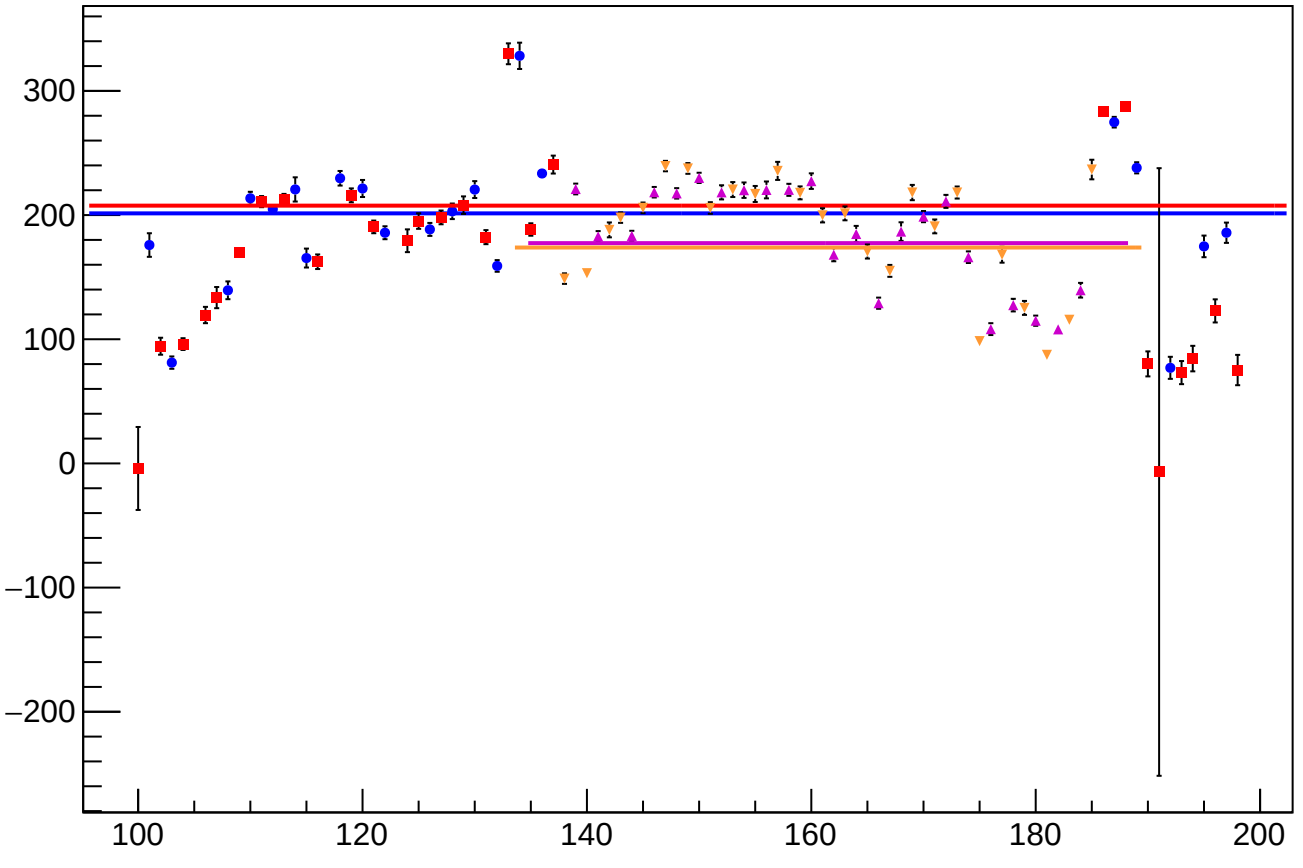
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -132.160+/-0.056 χ^2/NDF: 521983.1/47

In: -136.607+/-0.038 χ^2/NDF:262460.4/43

Out: -135.766+/-0.037 χ^2/NDF:398335.5/51

All: -136.175+/-0.027 χ^2/NDF: 661045.5/95



Right In: 201.378+/-1.240 χ^2/NDF: 1630.4/20

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 207.598+/-1.064 χ^2/NDF: 3908.3/26

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

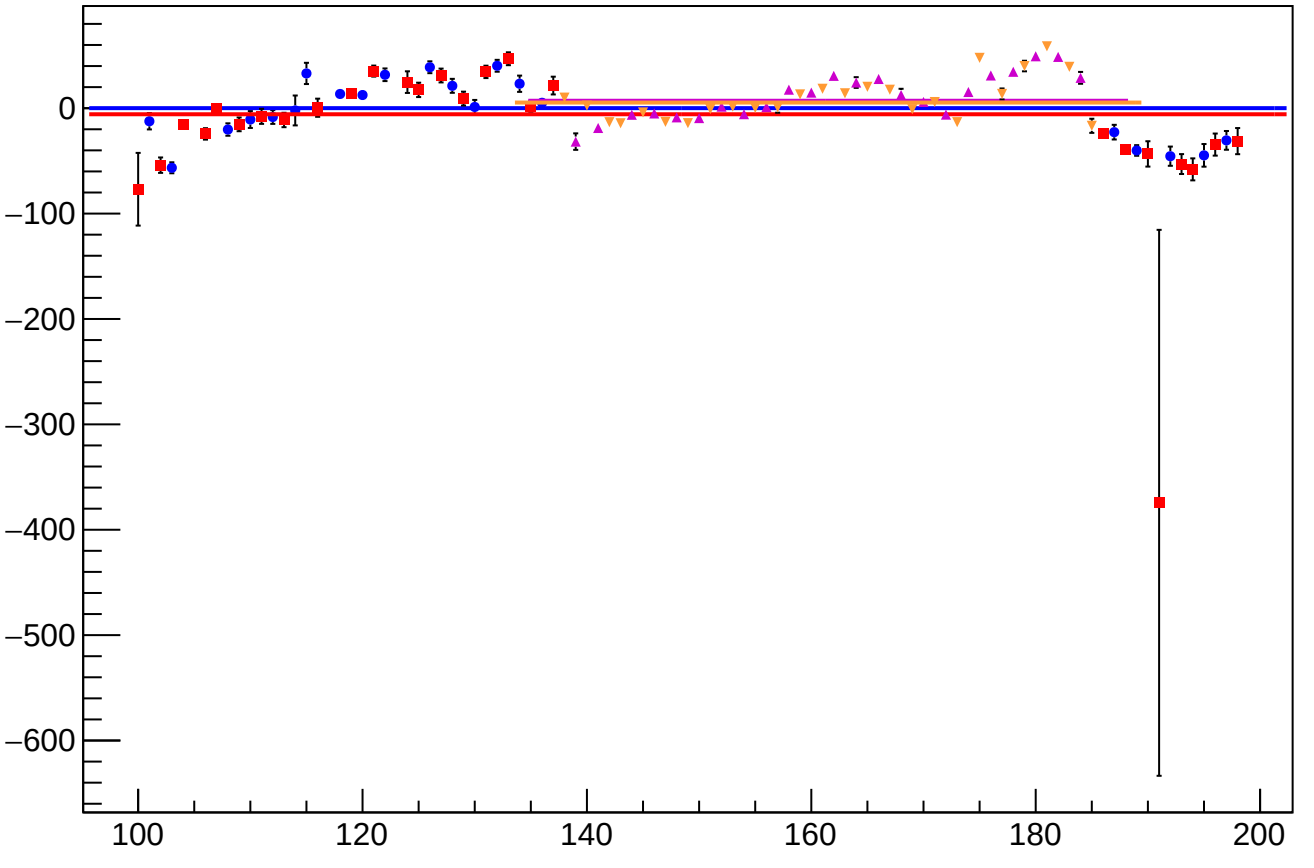
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 204.961+/-0.808 χ^2/NDF: 5553.2/47

In: 186.798+/-0.776 χ^2/NDF:3820.7/43

Out: 189.036+/-0.714 χ^2/NDF:7088.9/51

All: 188.011+/-0.525 χ^2/NDF: 10914.1/95



Right In: 0.053+/-1.320 χ^2/NDF: 444.4/20

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -5.747+/-1.167 χ^2/NDF: 551.1/26

Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

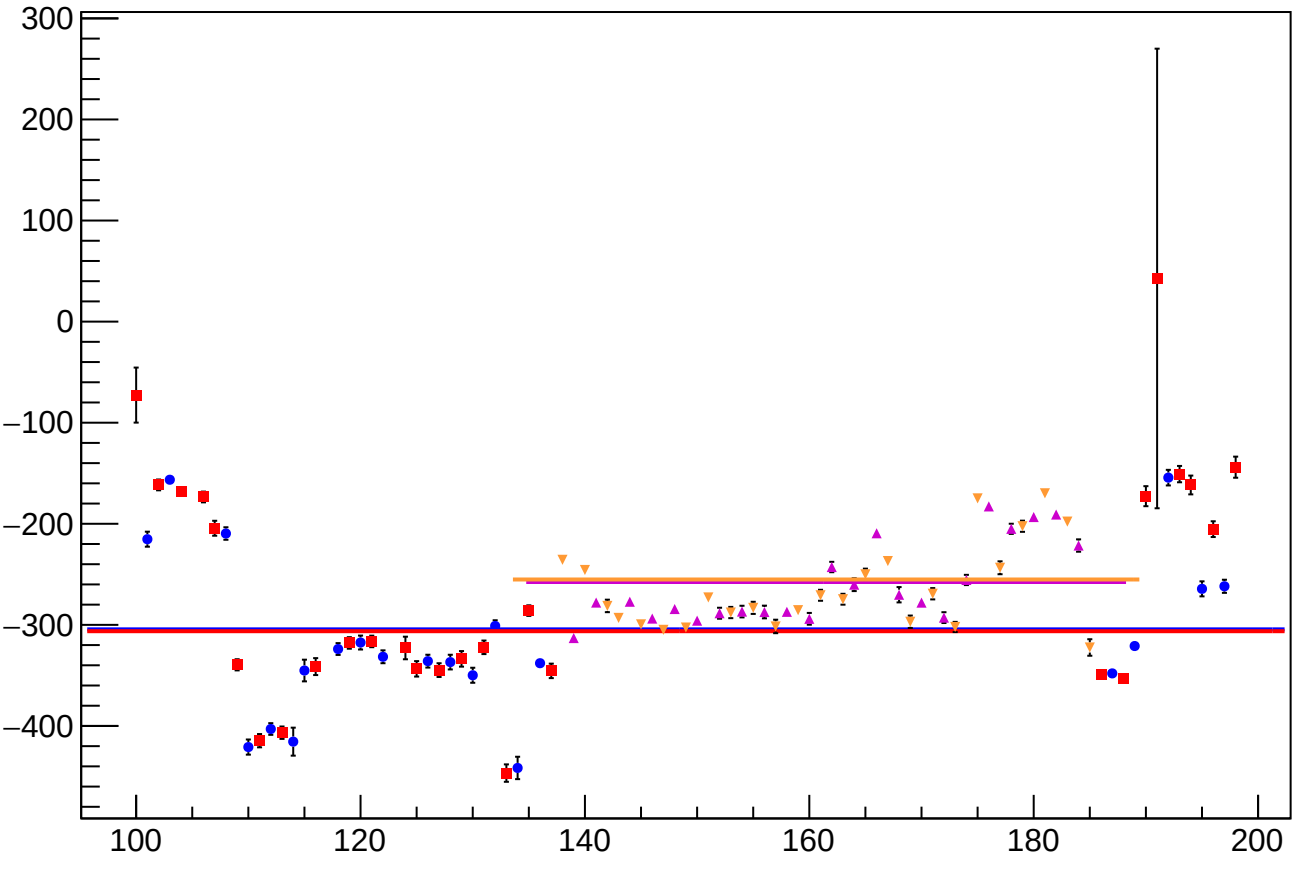
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -3.202+/-0.875 χ^2/NDF: 1006.3/47

In: 5.381+/-0.646 χ^2/NDF:1175.5/43

Out: 2.360+/-0.607 χ^2/NDF:1427.1/51

All: 3.775+/-0.442 χ^2/NDF: 2614.2/95



Right In: -304.452+/-1.251 χ^2/NDF: 3408.6/20

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -306.275+/-1.028 χ^2/NDF: 6021.0/26

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

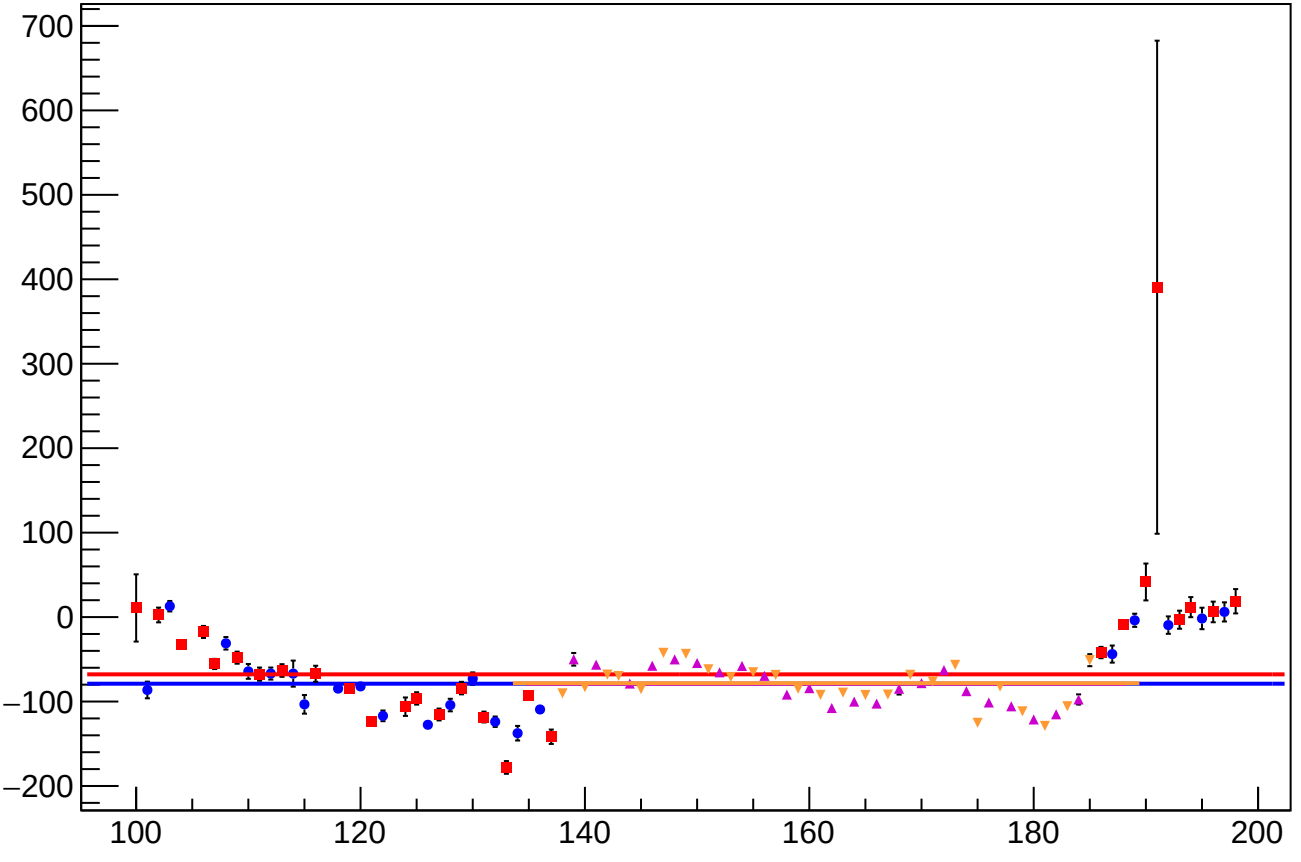
Right: -305.540+/-0.794 χ^2/NDF: 9430.9/47

In: -275.522+/-0.774 χ^2/NDF:6082.4/43

Out: -278.847+/-0.700 χ^2/NDF:9692.9/51

All: -277.350+/-0.519 χ^2/NDF: 15785.5/95

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -78.889+/-1.553 χ^2/NDF: 786.3/20

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -67.806+/-1.413 χ^2/NDF: 1094.1/26

Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

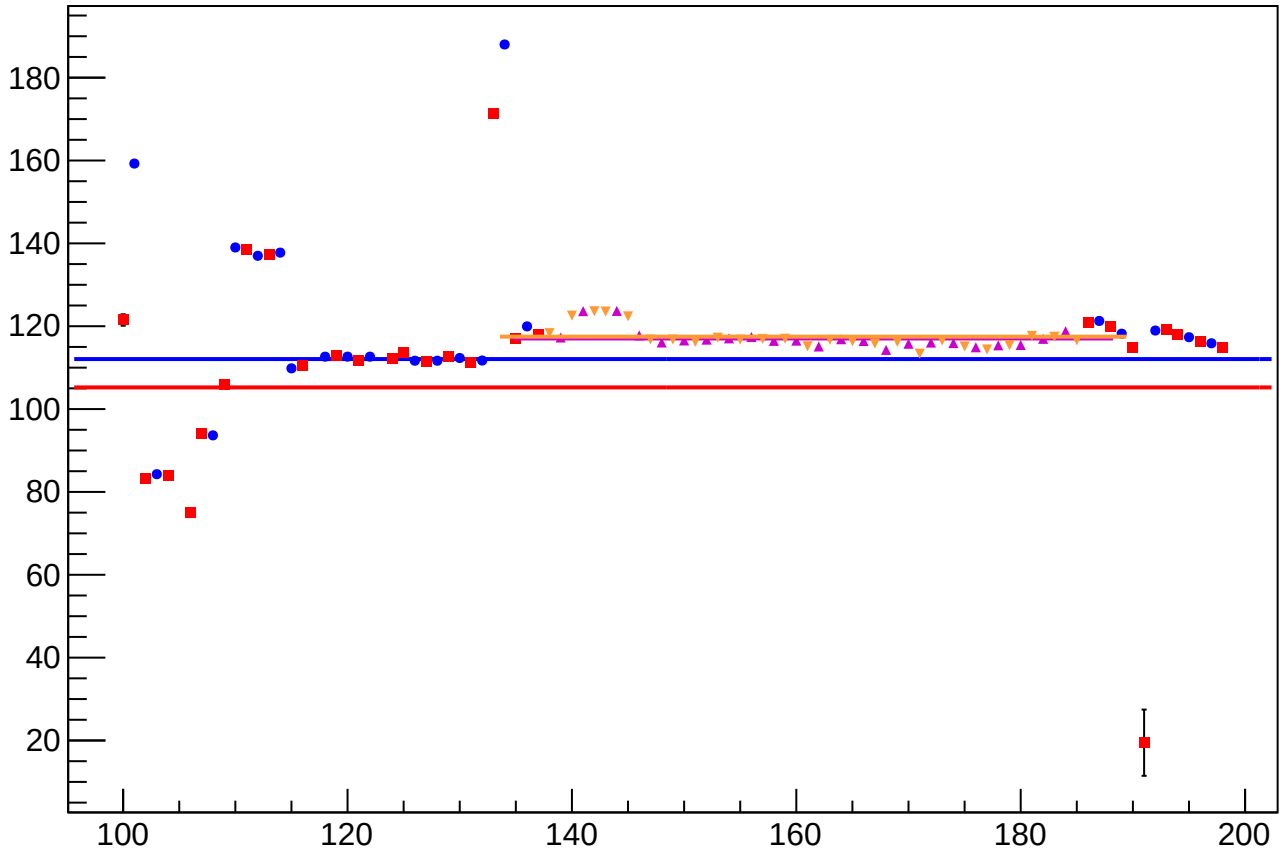
Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

Right: -72.825+/-1.045 χ^2/NDF: 1908.3/47

In: -79.025+/-0.745 χ^2/NDF:1488.9/43

Out: -75.656+/-0.708 χ^2/NDF:2003.5/51

All: -77.256+/-0.513 χ^2/NDF: 3503.2/95



Right In: 112.071+/-0.077 χ^2/NDF: 85030.2/20

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 105.229+/-0.070 χ^2/NDF: 73663.6/26

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

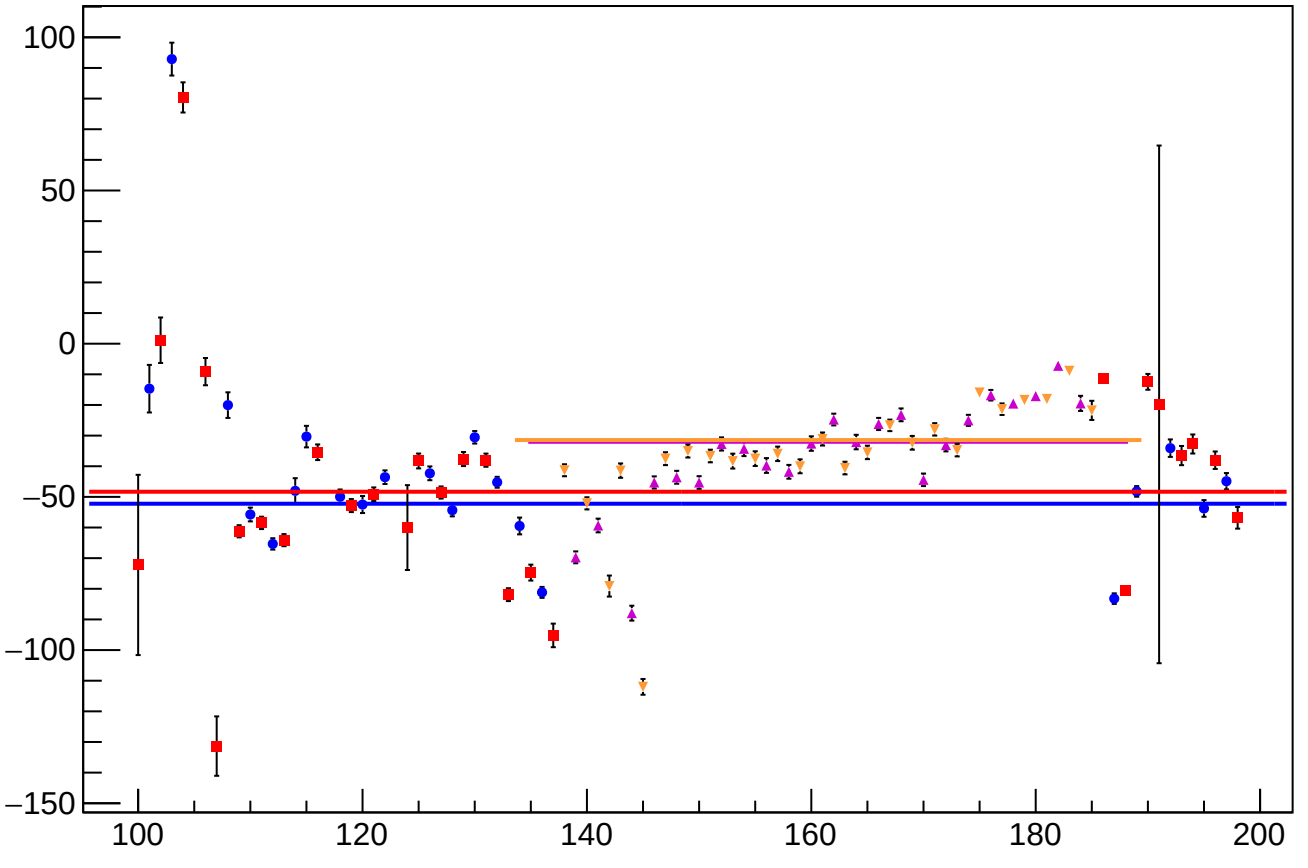
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 108.330+/-0.052 χ^2/NDF: 162989.8/47

In: 116.051+/-0.035 χ^2/NDF:91695.1/43

Out: 114.705+/-0.033 χ^2/NDF:101903.8/51

All: 115.356+/-0.024 χ^2/NDF: 194383.1/95



Right In: -52.235+/-0.516 χ^2/NDF: 1716.0/20

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -48.319+/-0.439 χ^2/NDF: 4137.8/26

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

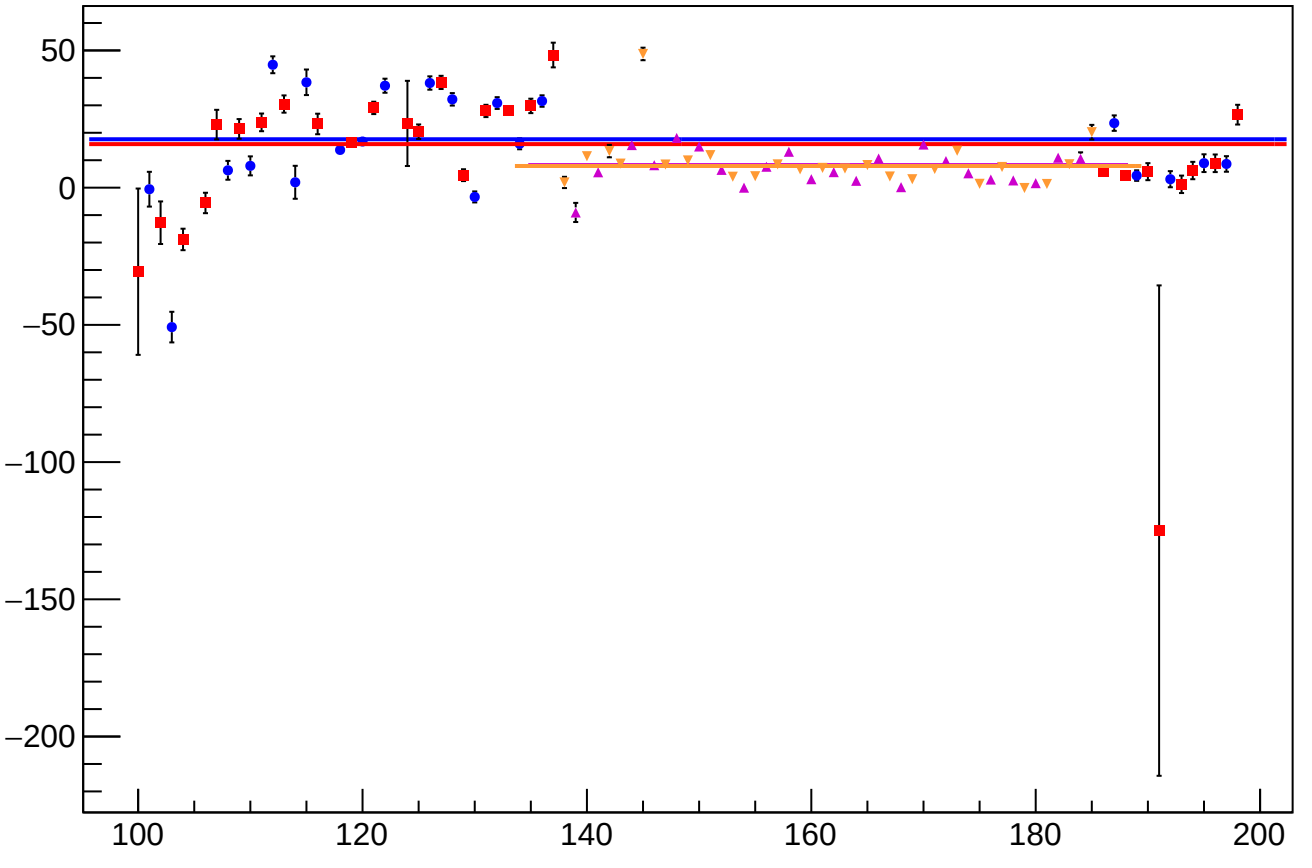
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -49.964+/-0.334 χ^2/NDF: 5887.2/47

In: -39.819+/-0.321 χ^2/NDF:4572.3/43

Out: -39.079+/-0.295 χ^2/NDF:6938.6/51

All: -39.419+/-0.217 χ^2/NDF: 11513.7/95



Right In: 17.643+/-0.542 χ^2/NDF: 745.7/20

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 15.867+/-0.489 χ^2/NDF: 674.0/26

Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

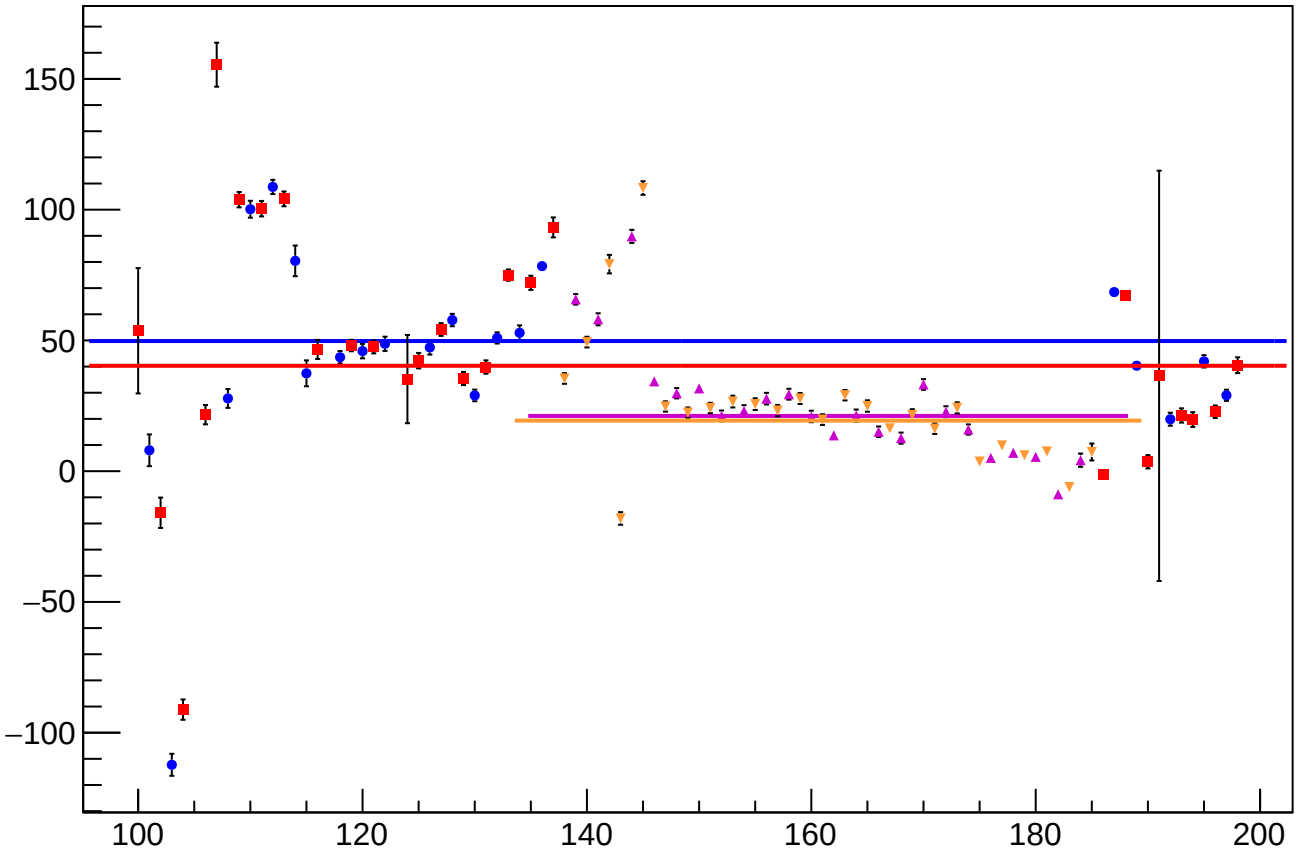
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 16.664+/-0.363 χ^2/NDF: 1425.6/47

In: 10.606+/-0.273 χ^2/NDF:1310.1/43

Out: 10.117+/-0.258 χ^2/NDF:1356.1/51

All: 10.348+/-0.187 χ^2/NDF: 2667.9/95



Right In: 49.765+/-0.528 χ^2/NDF: 3141.4/20

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 40.307+/-0.420 χ^2/NDF: 7411.0/26

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

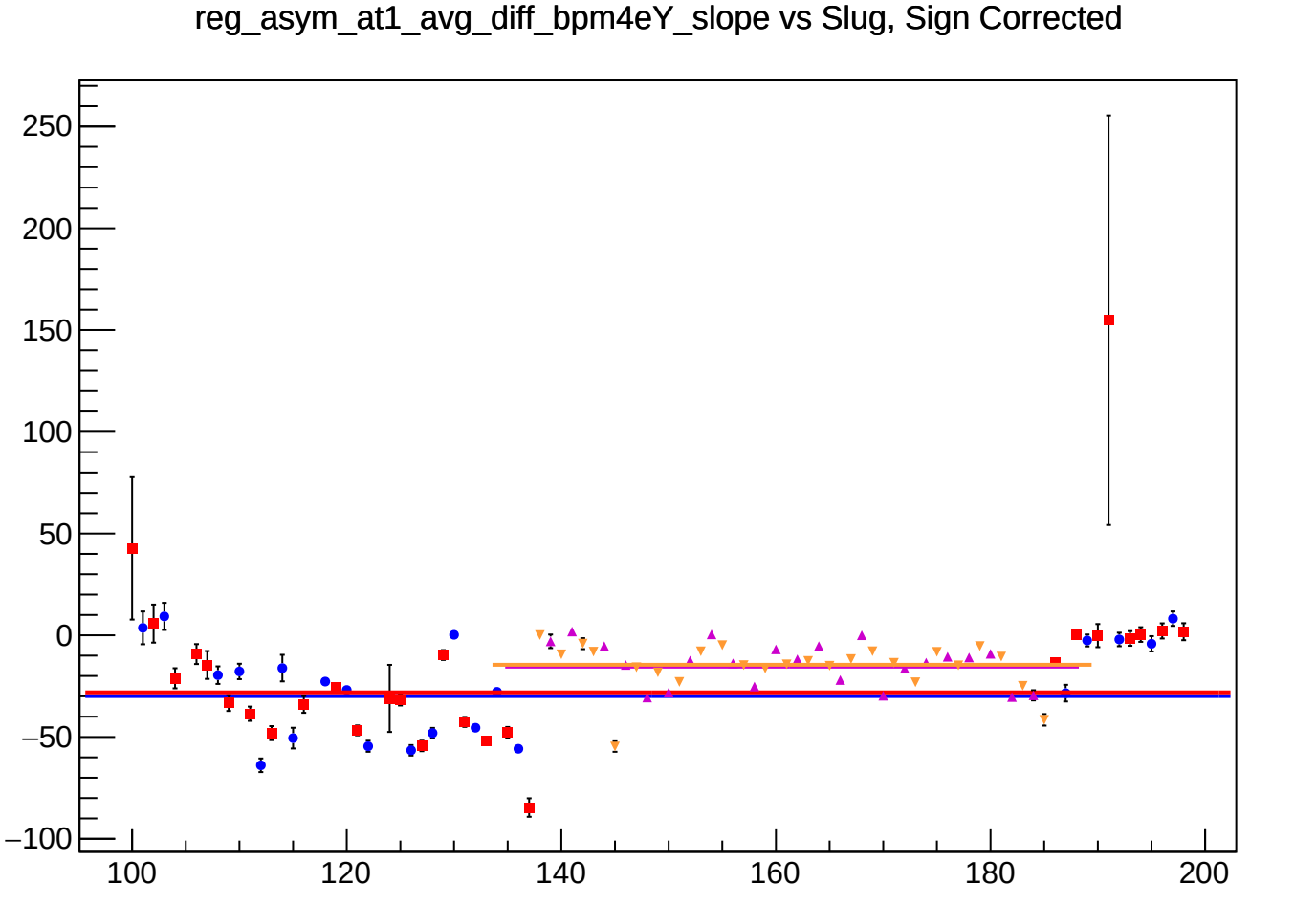
Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

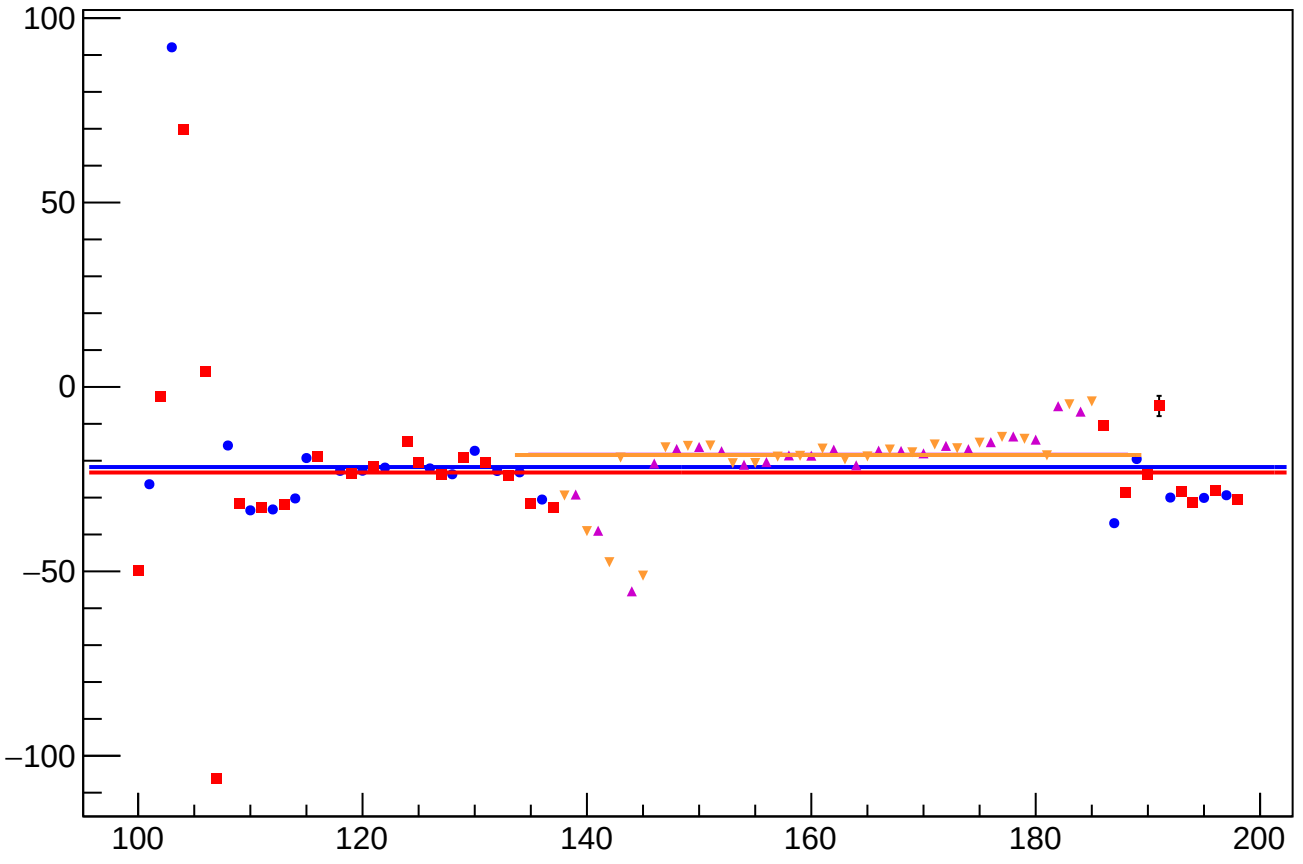
Right: 43.974+/-0.329 χ^2/NDF: 10748.6/47

In: 31.718+/-0.321 χ^2/NDF:7498.1/43

Out: 29.185+/-0.288 χ^2/NDF:11412.8/51

All: 30.314+/-0.214 χ^2/NDF: 18945.4/95


reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -29.877+/-0.638 χ²/NDF: 1148.9/20
Left Out: -14.502+/-0.344 χ²/NDF:641.0/24
Right Out: -28.050+/-0.599 χ²/NDF: 1223.3/26
Left In: -15.417+/-0.355 χ²/NDF:798.7/22
Left: -14.945+/-0.247 χ²/NDF: 1443.2/47
Right: -28.906+/-0.437 χ²/NDF: 2376.6/47
In: -18.842+/-0.310 χ²/NDF:2339.9/43
Out: -17.864+/-0.298 χ²/NDF:2249.3/51
All: -18.334+/-0.215 χ²/NDF: 4594.4/95



Right In: -21.714+/-0.034 χ^2/NDF: 454687.0/20

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -23.196+/-0.032 χ^2/NDF: 377131.8/26

Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

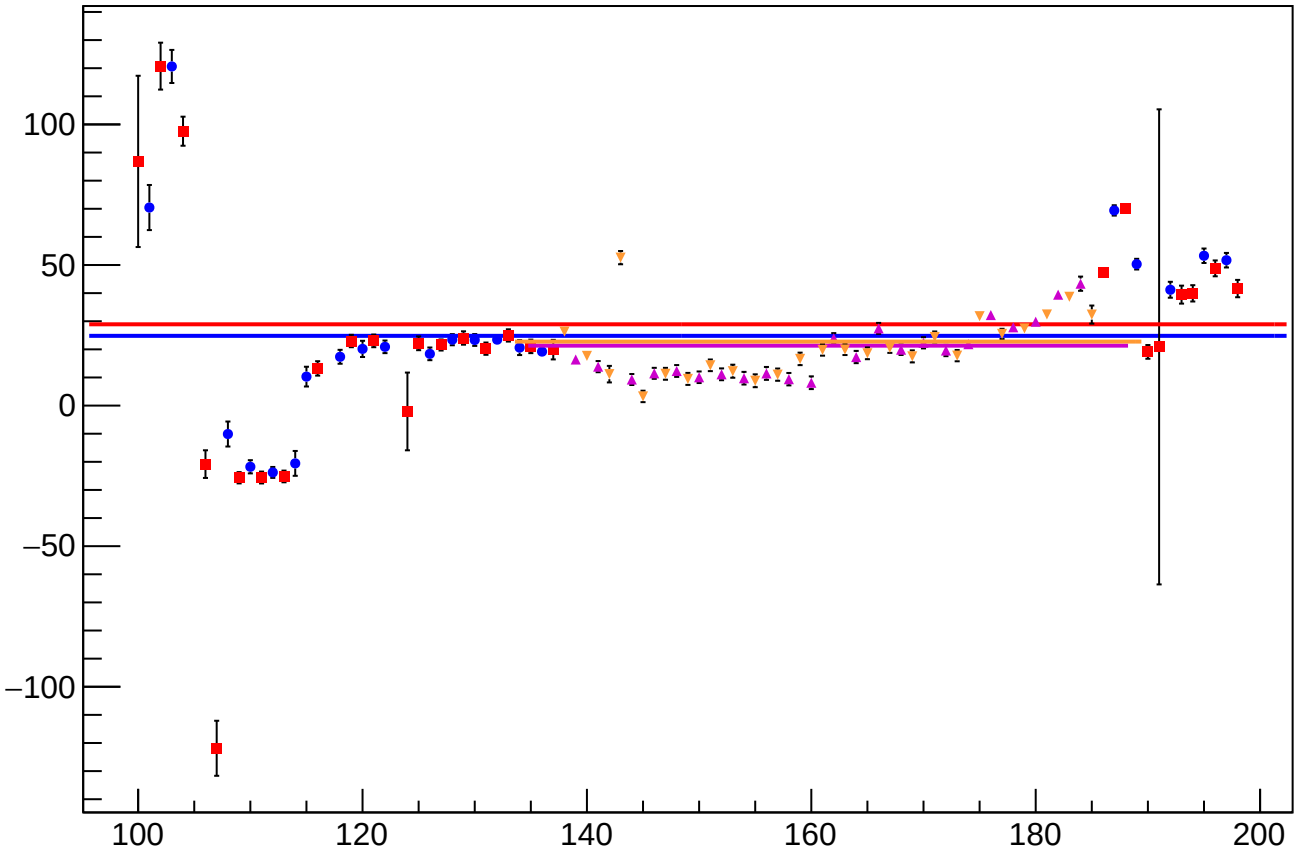
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -22.497+/-0.024 χ^2/NDF: 832809.6/47

In: -18.961+/-0.014 χ^2/NDF:712566.3/43

Out: -19.335+/-0.014 χ^2/NDF:690026.9/51

All: -19.153+/-0.010 χ^2/NDF: 1402943.2/95



Right In: 24.809+/-0.524 χ^2/NDF: 2567.8/20

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 28.913+/-0.460 χ^2/NDF: 4622.8/26

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

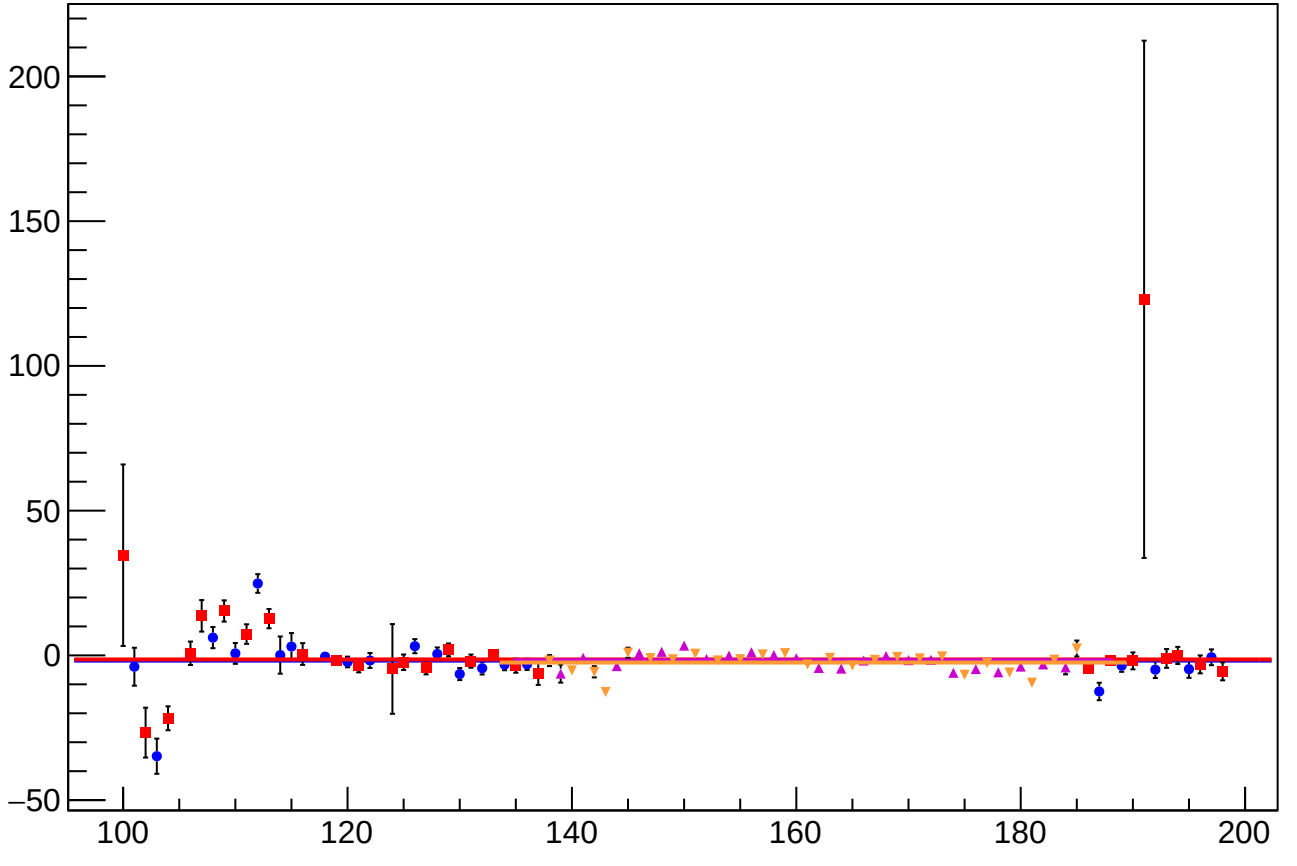
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 27.128+/-0.346 χ^2/NDF: 7225.3/47

In: 22.578+/-0.314 χ^2/NDF:3226.0/43

Out: 25.282+/-0.294 χ^2/NDF:5451.2/51

All: 24.020+/-0.215 χ^2/NDF: 8716.7/95



Right In: -1.803+/-0.550 χ^2/NDF: 133.6/20

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.401+/-0.510 χ^2/NDF: 103.6/26

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

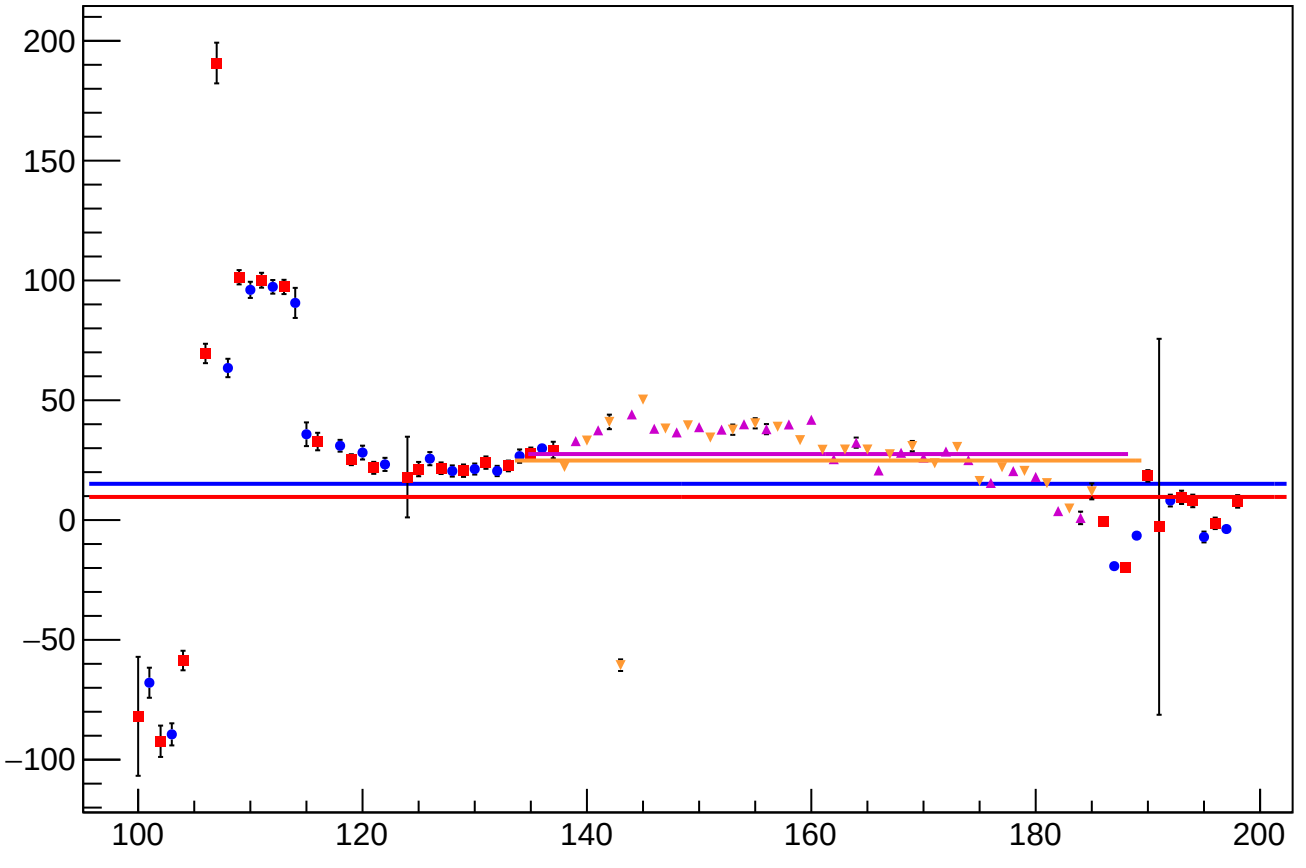
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -1.587+/-0.374 χ^2/NDF: 237.4/47

In: -1.693+/-0.266 χ^2/NDF:203.8/43

Out: -2.203+/-0.254 χ^2/NDF:223.6/51

All: -1.960+/-0.184 χ^2/NDF: 429.3/95



Right In: 15.130+/-0.539 χ^2/NDF: 3498.6/20

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 9.648+/-0.447 χ^2/NDF: 5479.5/26

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

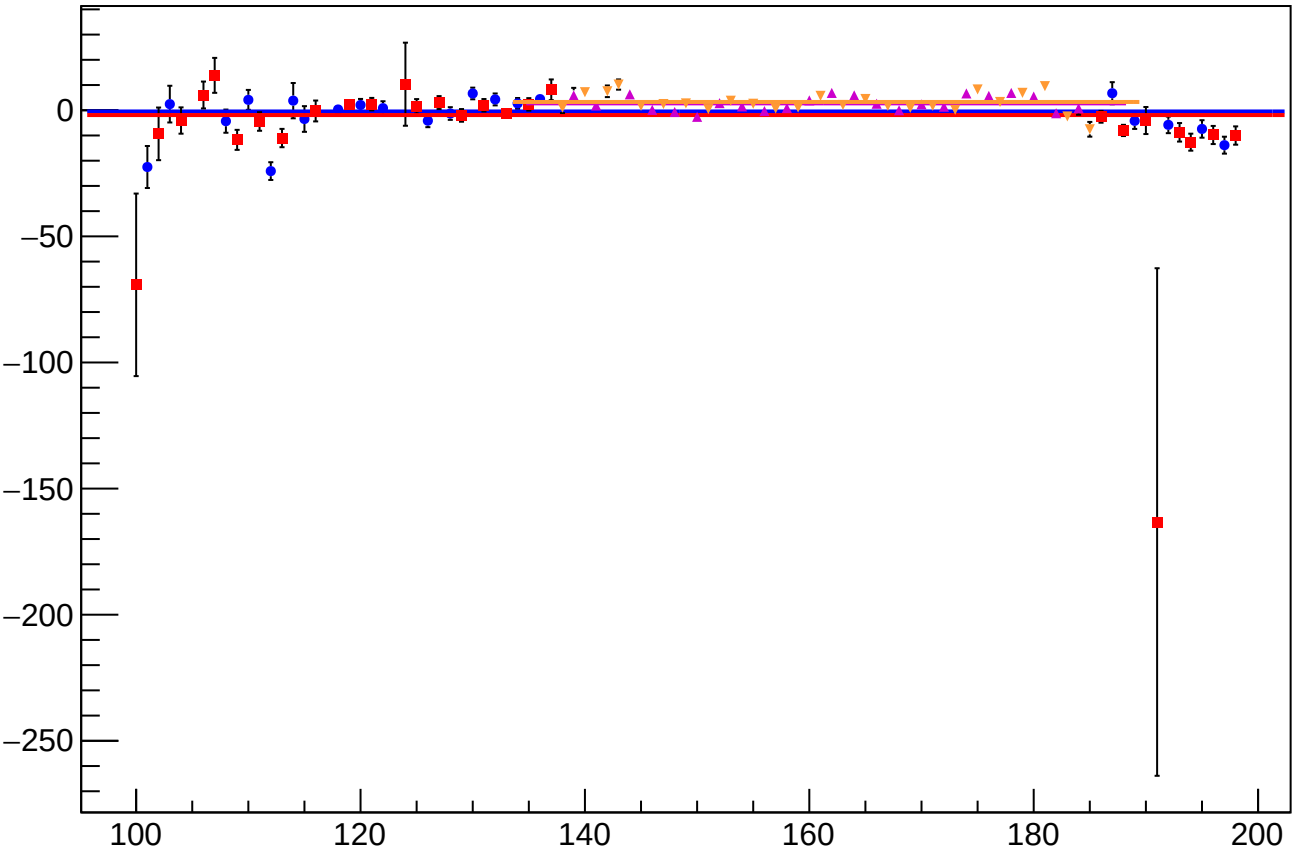
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 11.885+/-0.344 χ^2/NDF: 9039.3/47

In: 23.298+/-0.315 χ^2/NDF:4729.8/43

Out: 18.485+/-0.290 χ^2/NDF:8199.1/51

All: 20.686+/-0.213 χ^2/NDF: 13055.2/95



Right In: -0.479+/-0.642 χ^2/NDF: 107.5/20

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -1.905+/-0.616 χ^2/NDF: 83.3/26

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

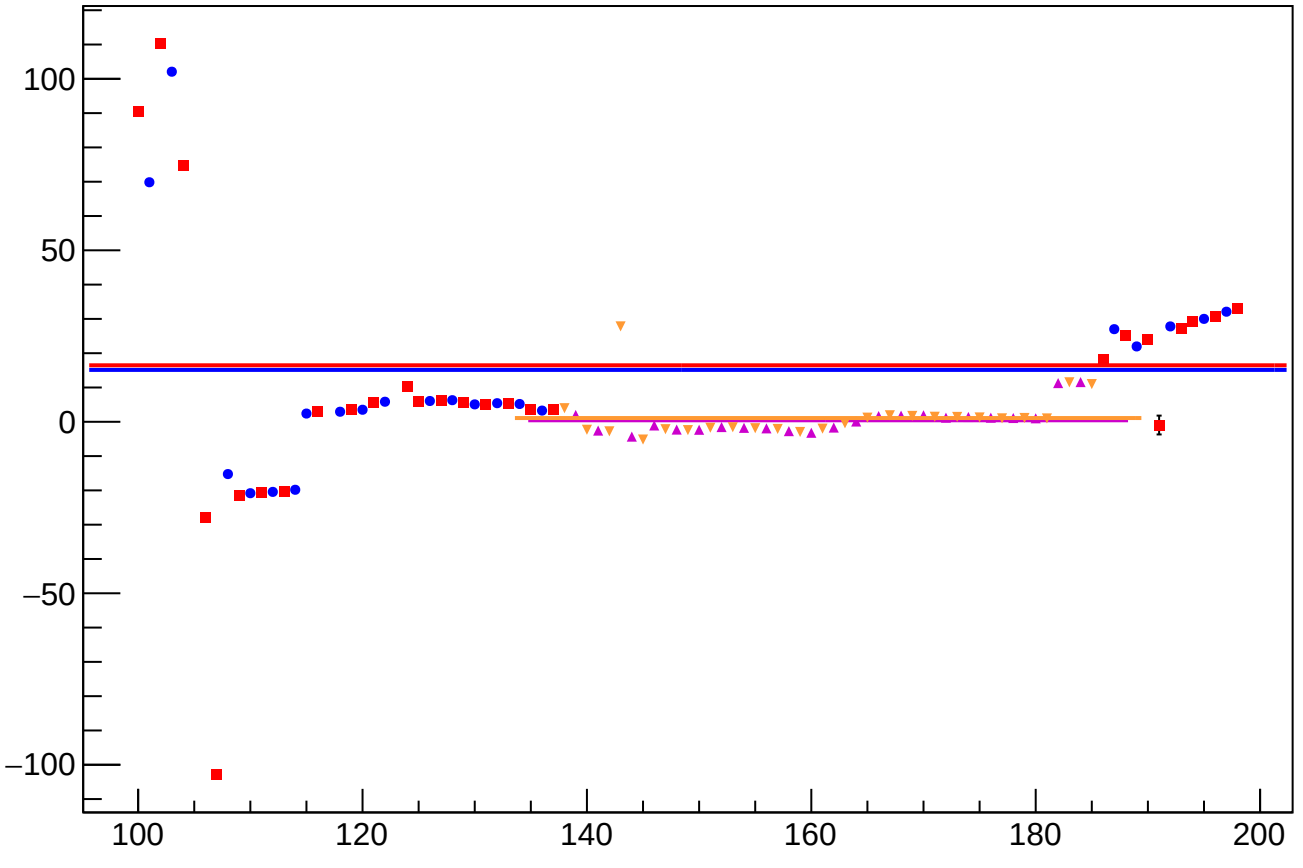
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -1.221+/-0.444 χ^2/NDF: 193.3/47

In: 2.019+/-0.302 χ^2/NDF:201.4/43

Out: 2.123+/-0.292 χ^2/NDF:244.6/51

All: 2.073+/-0.210 χ^2/NDF: 446.1/95



Right In: 15.128+/-0.034 χ^2/NDF: 422255.4/20

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 16.473+/-0.032 χ^2/NDF: 578439.8/26

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

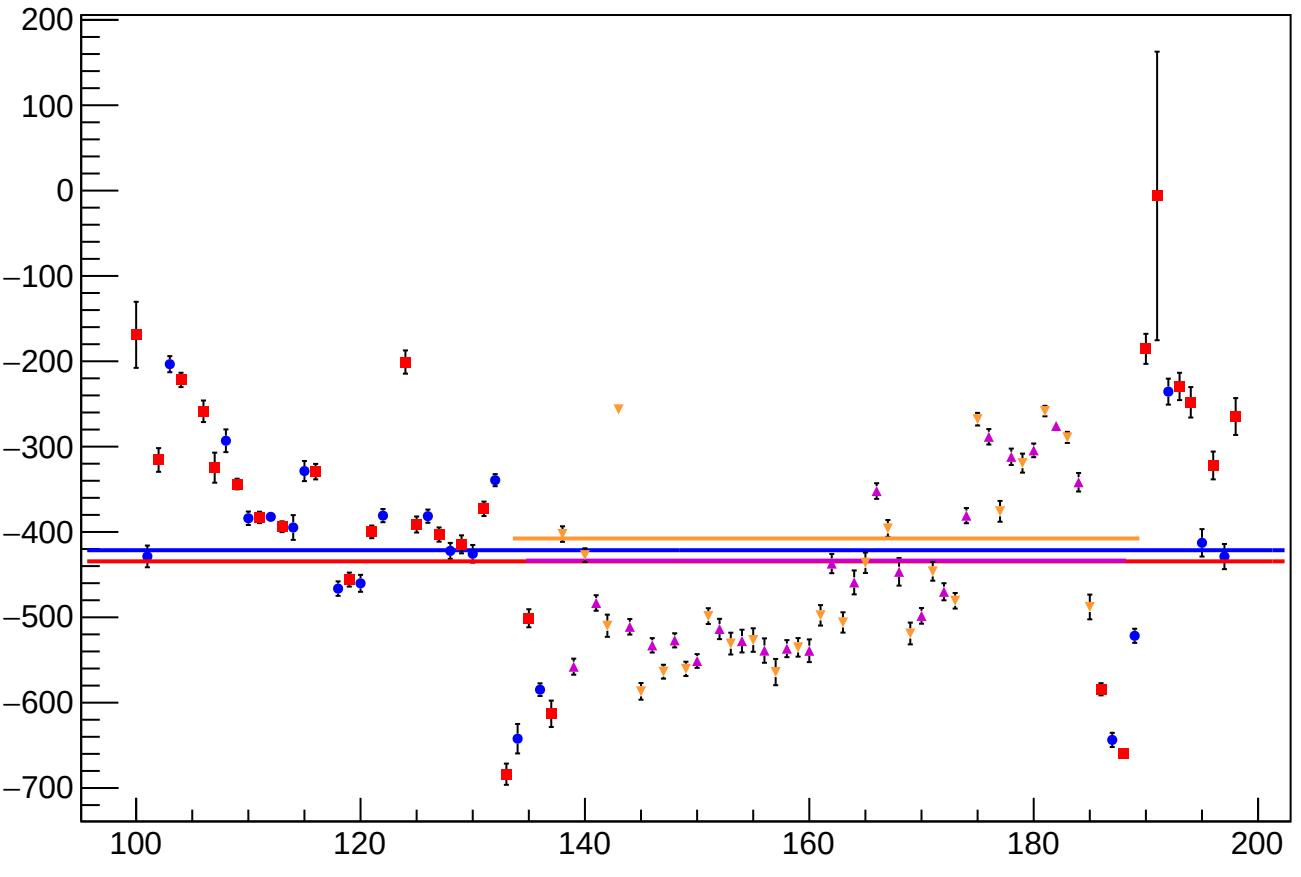
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

Right: 15.830+/-0.023 χ^2/NDF: 1001529.9/47

In: 2.902+/-0.014 χ^2/NDF:634353.6/43

Out: 3.788+/-0.013 χ^2/NDF:895463.2/51

All: 3.355+/-0.010 χ^2/NDF: 1531935.9/95



Right In: -421.390+/-2.033 χ^2/NDF: 2651.6/20

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -434.419+/-1.798 χ^2/NDF: 6090.4/26

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

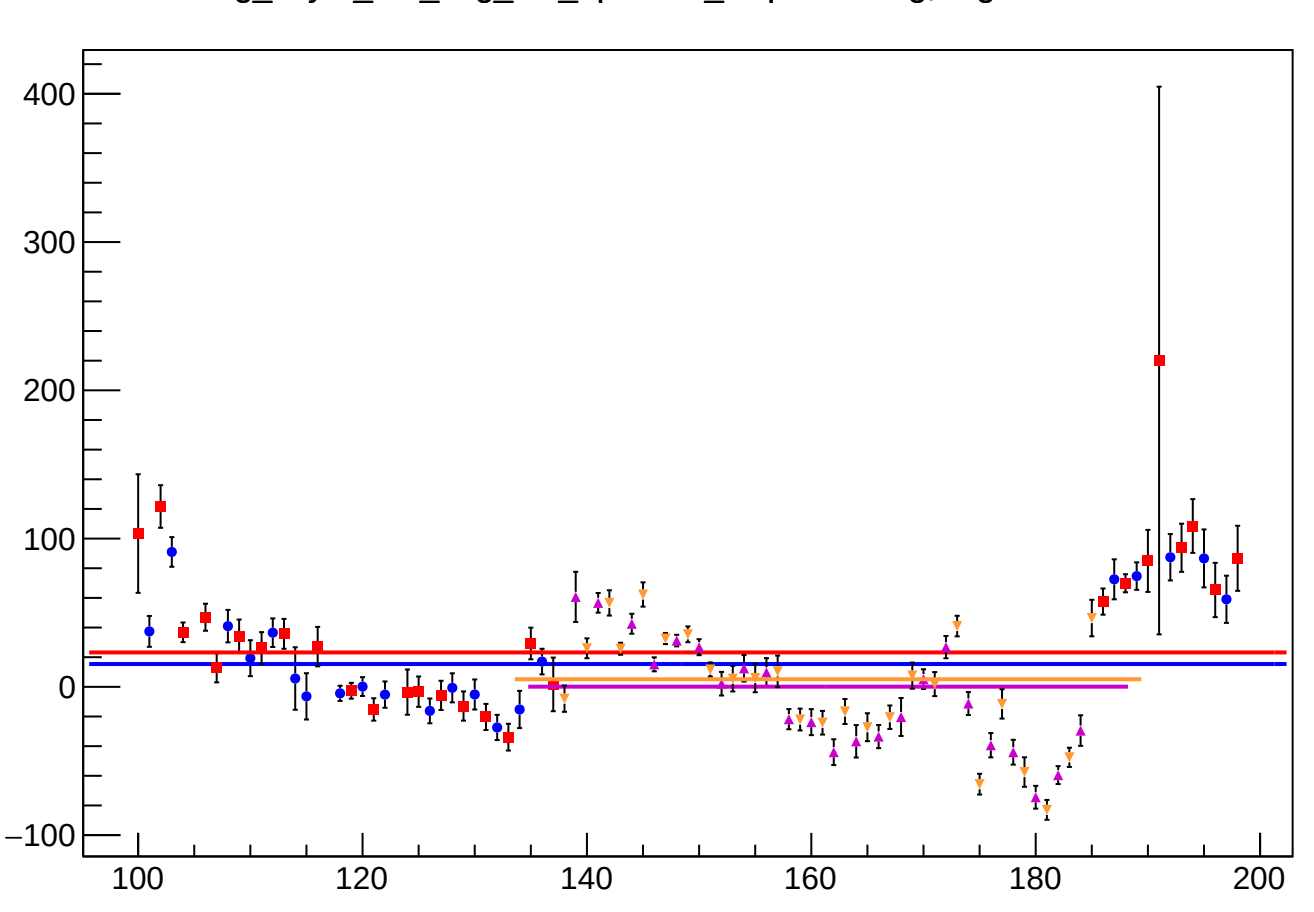
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

Right: -428.701+/-1.347 χ^2/NDF: 8765.1/47

In: -427.581+/-1.423 χ^2/NDF:5394.3/43

Out: -421.528+/-1.295 χ^2/NDF:10202.9/51

All: -424.270+/-0.958 χ^2/NDF: 15607.1/95



Right In: 15.391+/-2.118 χ^2/NDF: 253.5/20

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 23.215+/-1.957 χ^2/NDF: 351.4/26

Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

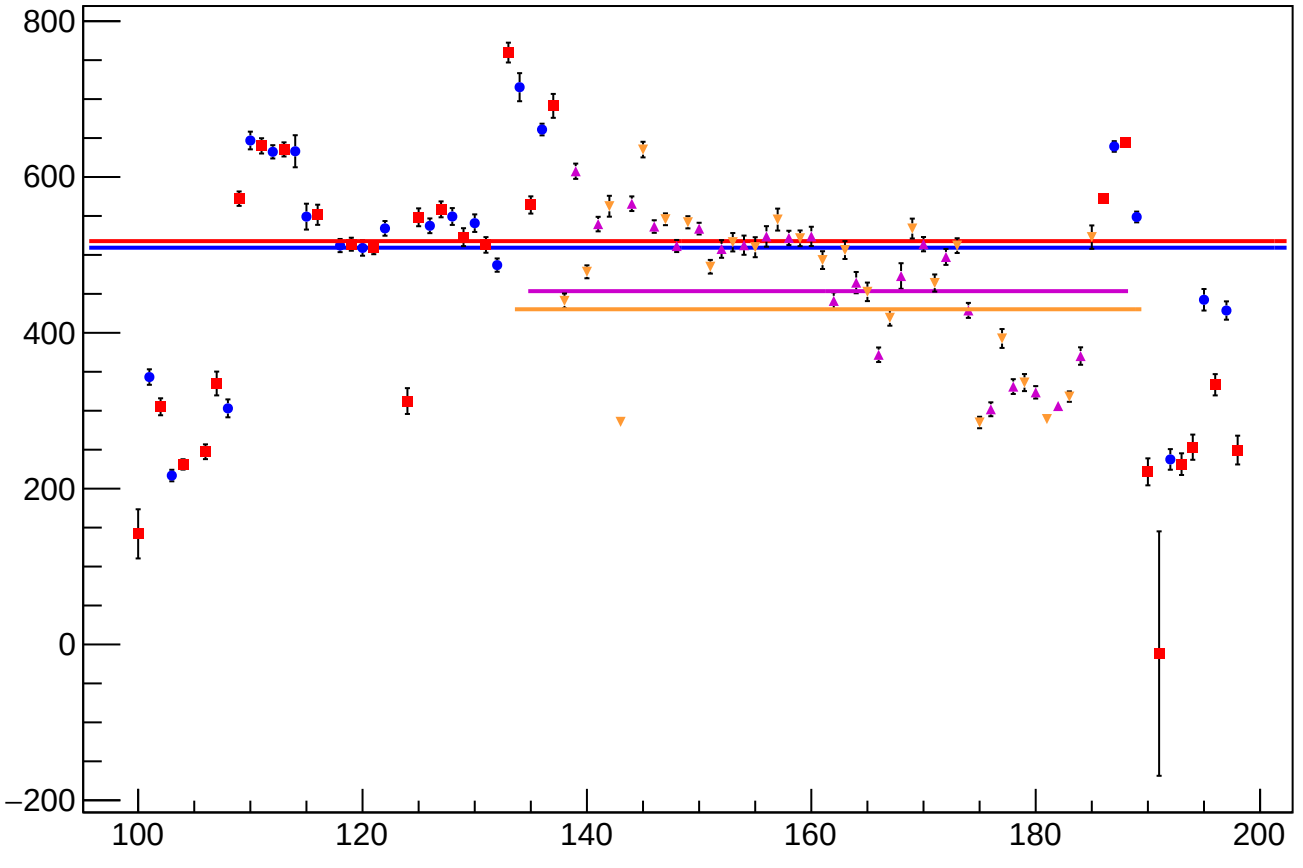
Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

Right: 19.612+/-1.437 χ^2/NDF: 612.3/47

In: 5.174+/-1.218 χ^2/NDF:856.8/43

Out: 11.125+/-1.127 χ^2/NDF:1097.7/51

All: 8.381+/-0.827 χ^2/NDF: 1967.3/95



Right In: 509.262+/-2.125 χ^2/NDF: 4030.4/20

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 517.698+/-1.809 χ^2/NDF: 7161.8/26

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

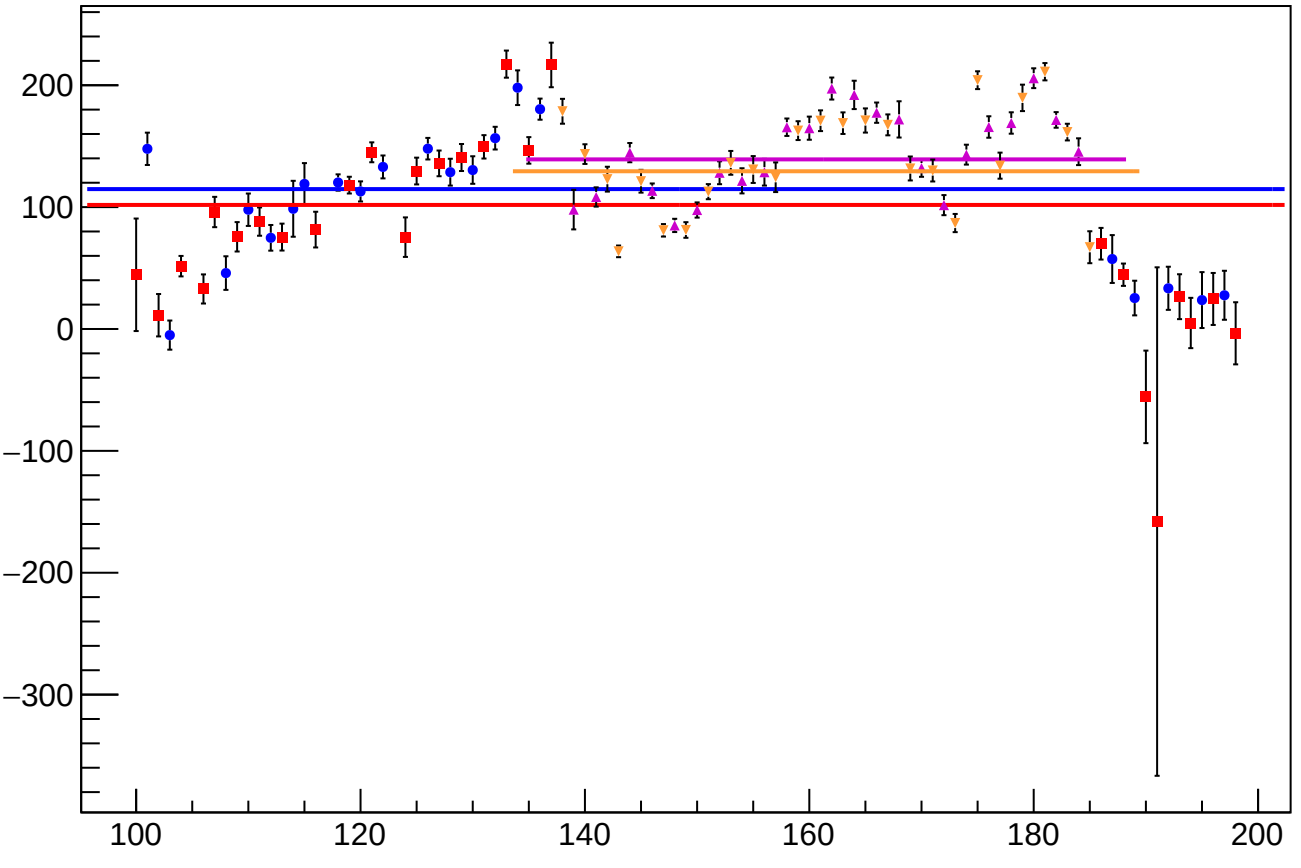
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 514.152+/-1.378 χ^2/NDF: 11201.3/47

In: 479.328+/-1.446 χ^2/NDF:6819.9/43

Out: 475.201+/-1.297 χ^2/NDF:11702.2/51

All: 477.042+/-0.966 χ^2/NDF: 18526.6/95



Right In: 114.784+/-2.500 χ^2/NDF: 385.8/20

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 101.788+/-2.344 χ^2/NDF: 498.7/26

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

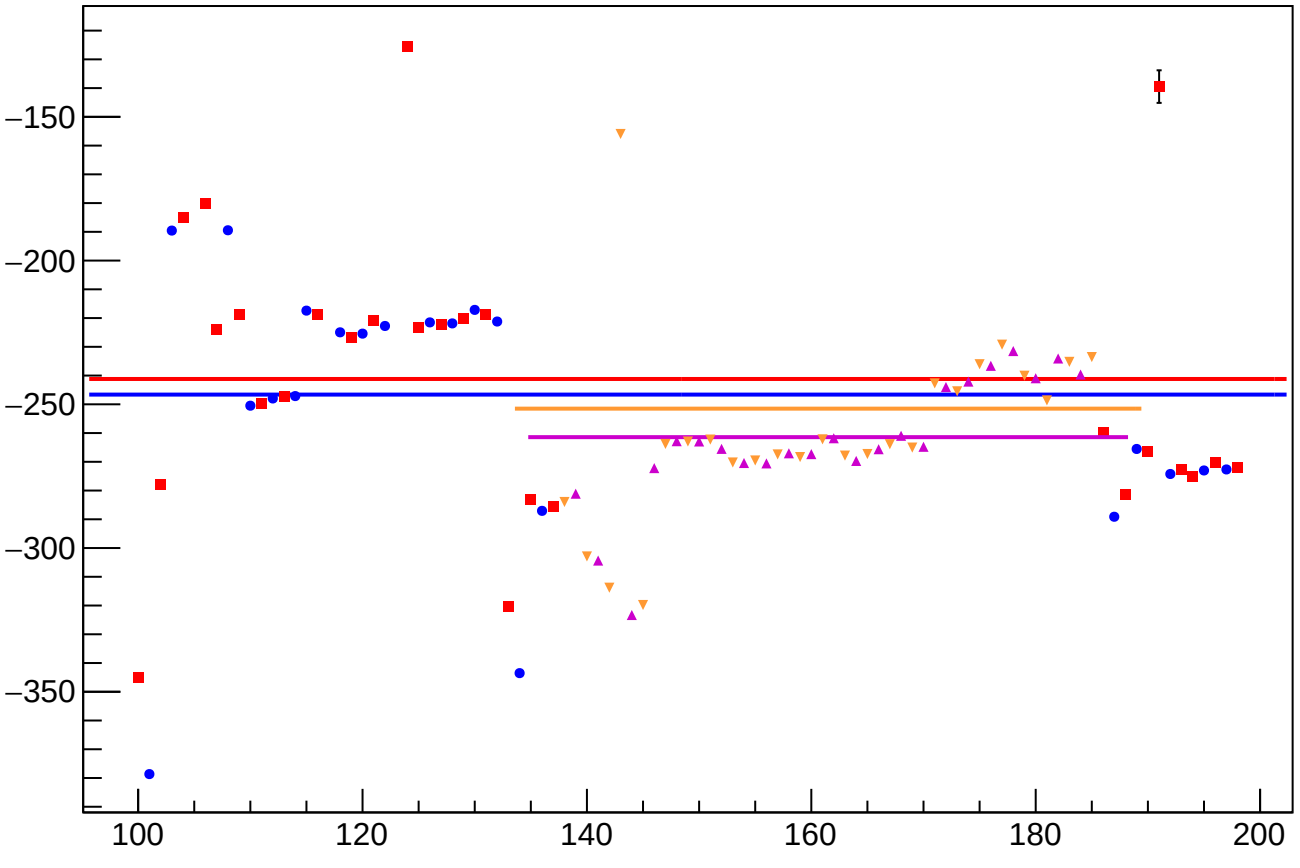
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 107.868+/-1.710 χ^2/NDF: 898.9/47

In: 131.424+/-1.408 χ^2/NDF:884.9/43

Out: 120.692+/-1.317 χ^2/NDF:1408.1/51

All: 125.699+/-0.962 χ^2/NDF: 2323.9/95



Right In: -246.620+/-0.135 χ^2/NDF: 143414.0/20

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -241.189+/-0.127 χ^2/NDF: 106706.3/26

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

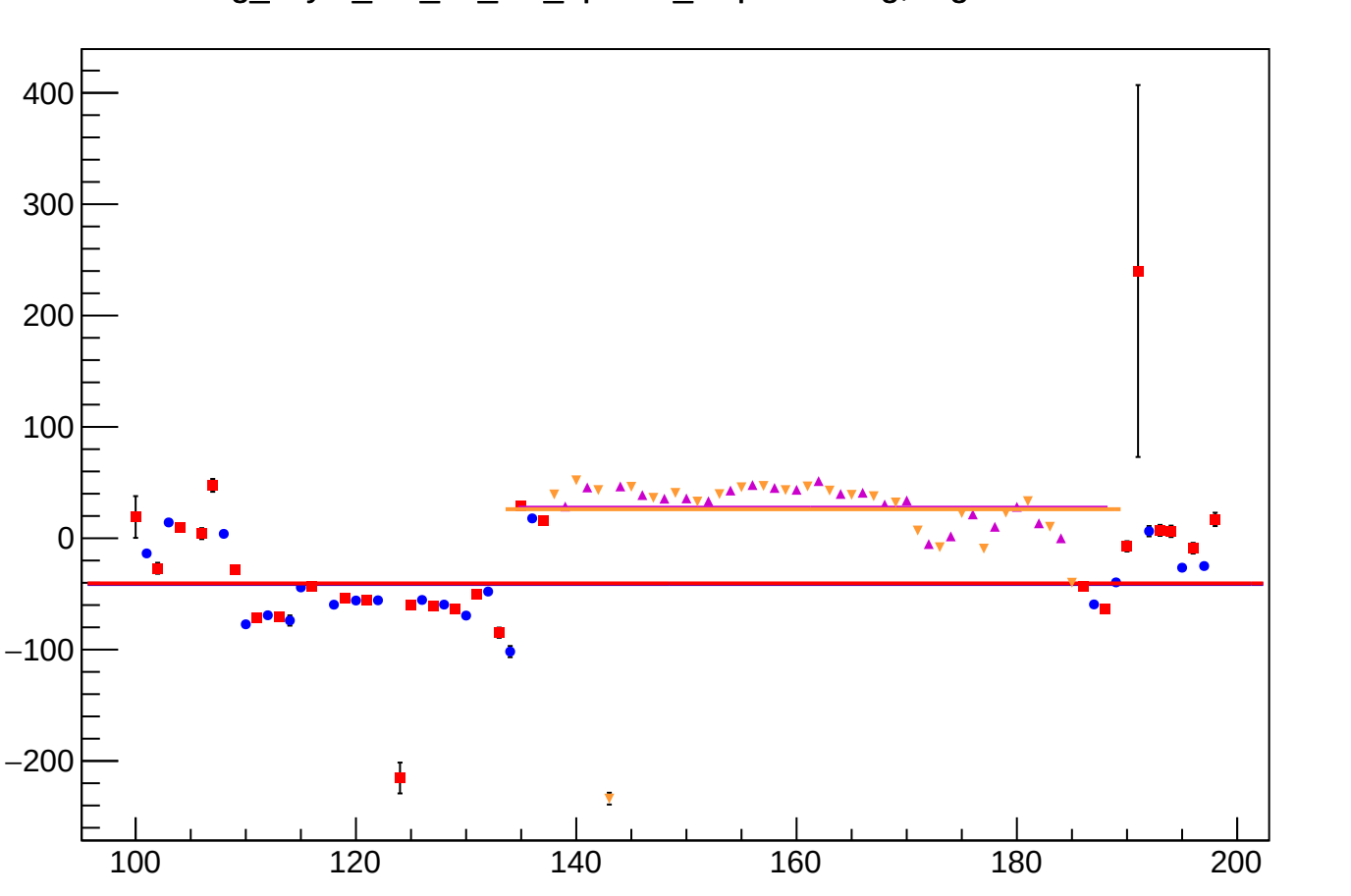
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -243.720+/-0.092 χ^2/NDF: 250978.5/47

In: -257.749+/-0.068 χ^2/NDF:221945.4/43

Out: -248.848+/-0.064 χ^2/NDF:366564.5/51

All: -253.079+/-0.047 χ^2/NDF: 597628.6/95



Right In: -41.078+/-0.654 χ^2/NDF: 2585.2/20

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -40.542+/-0.562 χ^2/NDF: 3084.3/26

Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

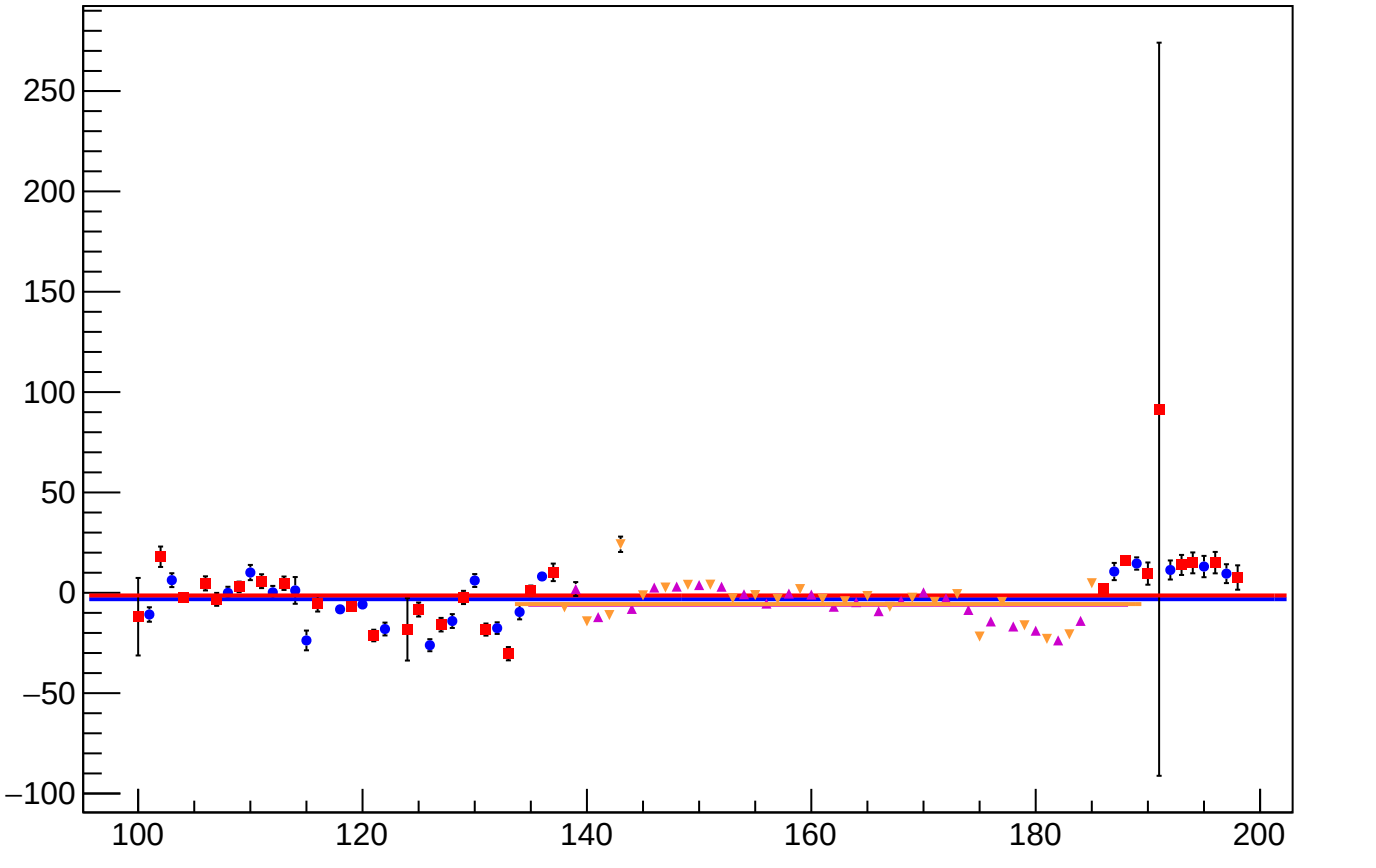
Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

Right: -40.770+/-0.426 χ^2/NDF: 5669.9/47

In: 9.088+/-0.339 χ^2/NDF:12235.8/43

Out: 4.445+/-0.320 χ^2/NDF:17365.1/51

All: 6.637+/-0.233 χ^2/NDF: 29700.1/95



Right In: -3.182+/-0.699 χ^2/NDF: 277.9/20

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: -1.321+/-0.638 χ^2/NDF: 330.3/26

Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

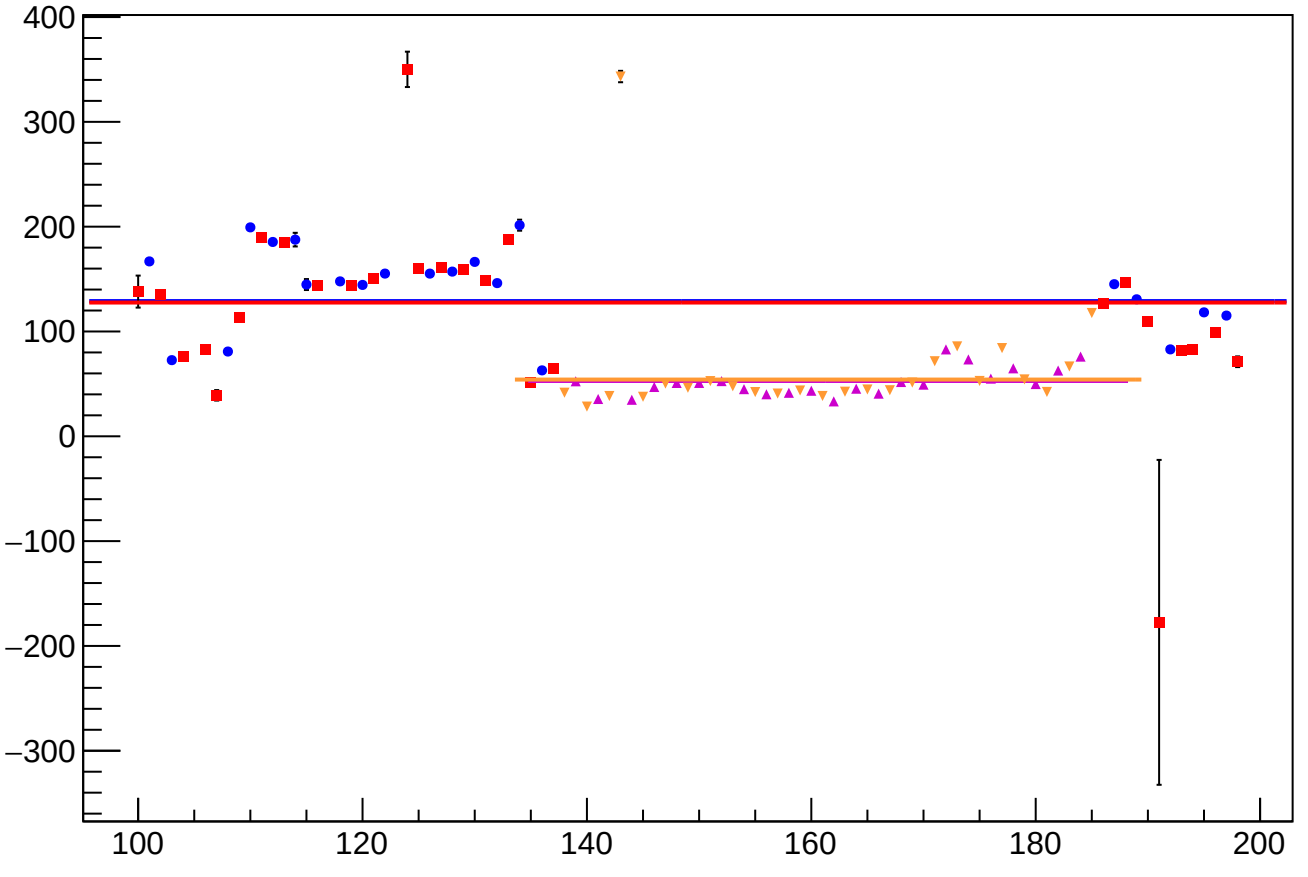
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: -2.167+/-0.471 χ^2/NDF: 612.0/47

In: -5.488+/-0.283 χ^2/NDF:1003.2/43

Out: -4.837+/-0.273 χ^2/NDF:1260.8/51

All: -5.152+/-0.196 χ^2/NDF: 2266.7/95



Right In: 129.007+/-0.679 χ^2/NDF: 3836.3/20

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 127.616+/-0.568 χ^2/NDF: 4165.4/26

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

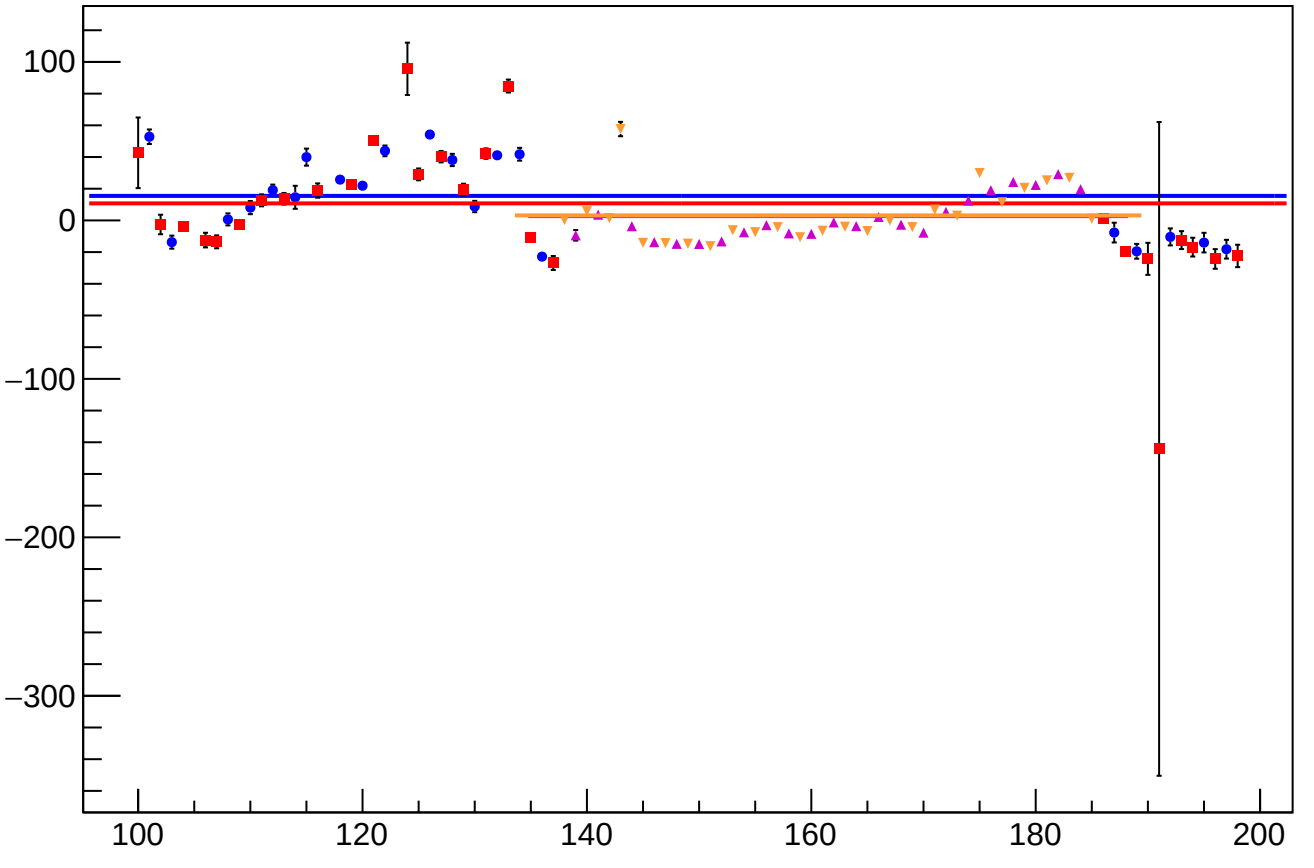
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 128.189+/-0.436 χ^2/NDF: 8004.2/47

In: 71.890+/-0.340 χ^2/NDF:14254.6/43

Out: 77.443+/-0.320 χ^2/NDF:20184.5/51

All: 74.834+/-0.233 χ^2/NDF: 34580.6/95



Right In: 15.469+/-0.813 χ^2/NDF: 1023.2/20

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 10.744+/-0.762 χ^2/NDF: 1192.4/26

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

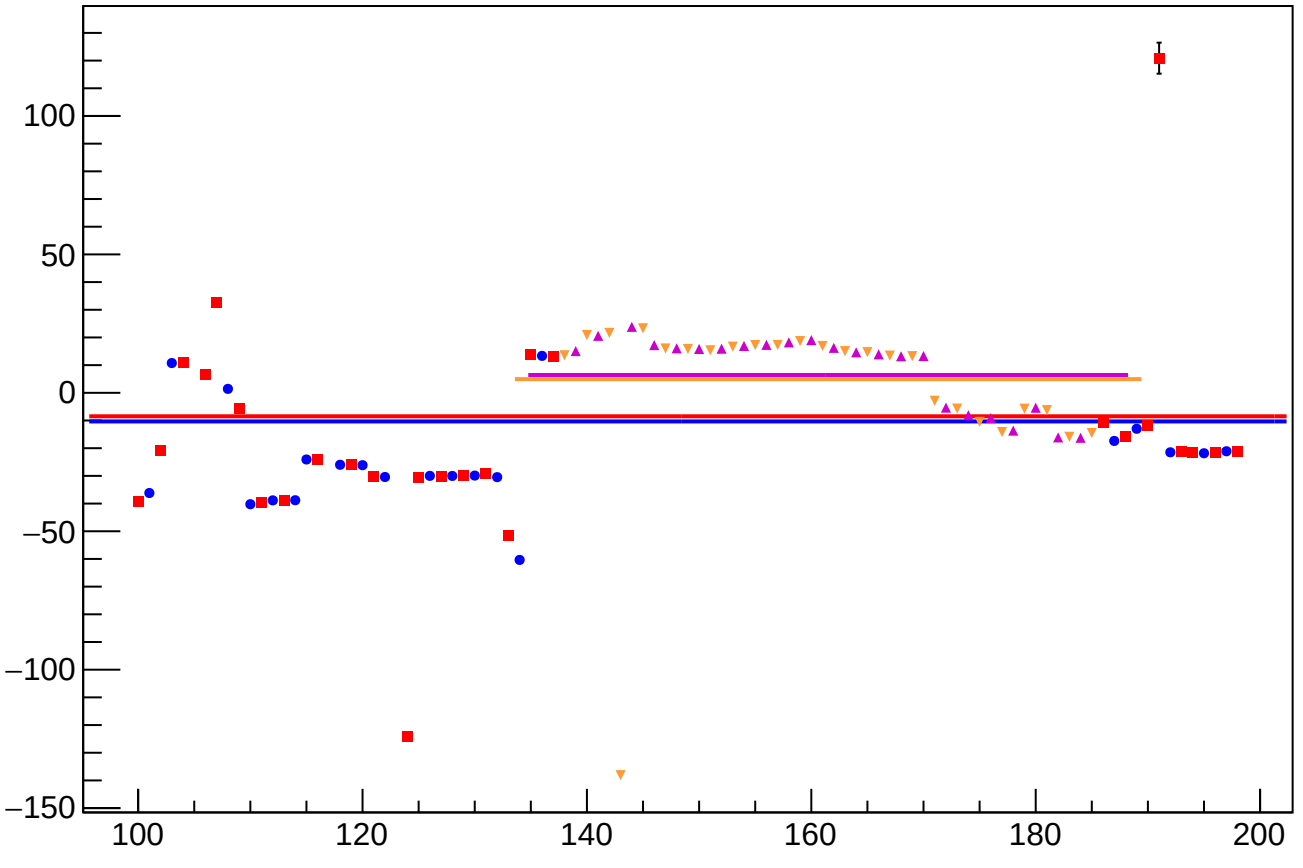
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 12.953+/-0.556 χ^2/NDF: 2233.6/47

In: 4.684+/-0.319 χ^2/NDF:2966.4/43

Out: 4.415+/-0.310 χ^2/NDF:3287.6/51

All: 4.546+/-0.222 χ^2/NDF: 6254.4/95



Right In: -10.335+/-0.041 χ^2/NDF: 281814.9/20

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -8.474+/-0.039 χ^2/NDF: 257485.3/26

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

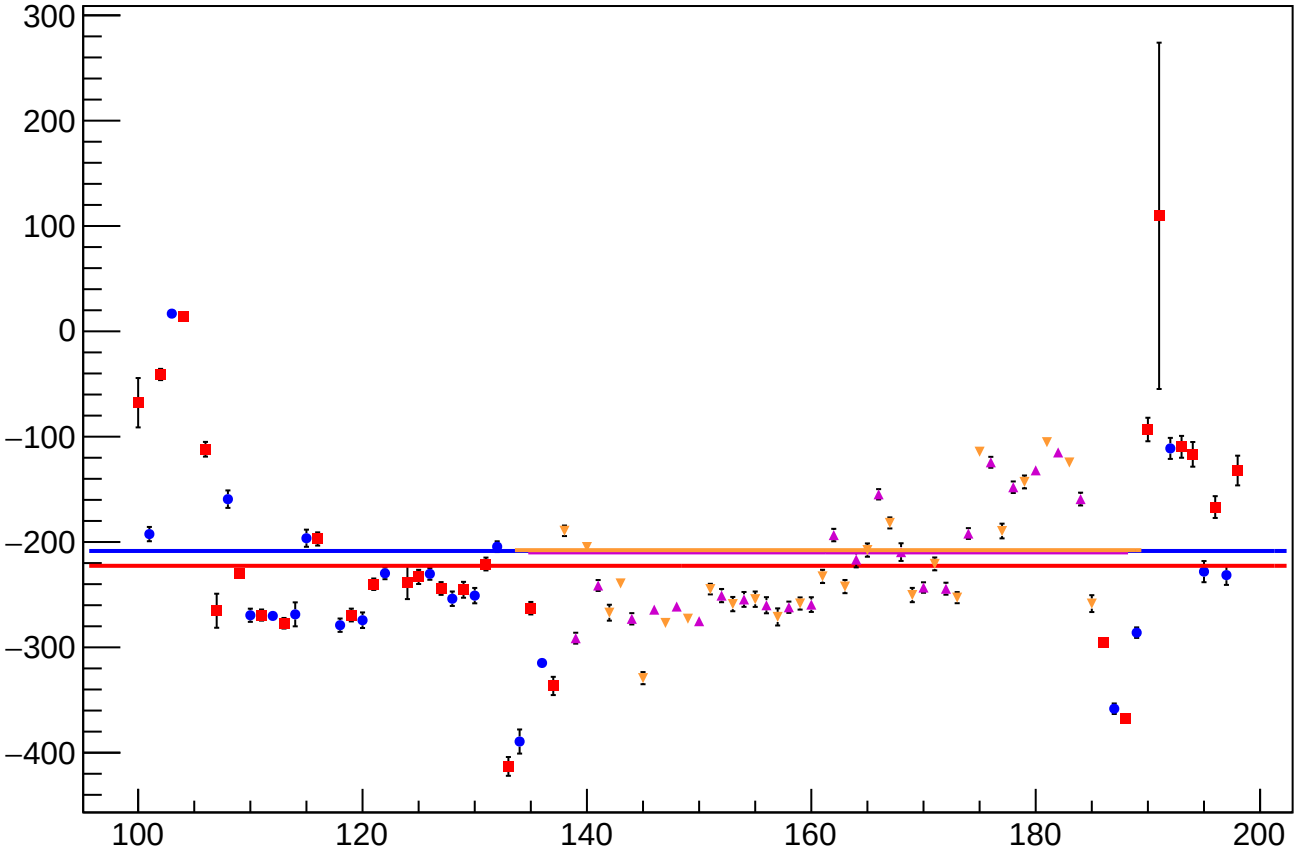
Right: -9.370+/-0.028 χ^2/NDF: 540370.1/47

In: 4.382+/-0.014 χ^2/NDF:1158619.7/43

Out: 3.208+/-0.014 χ^2/NDF:1494703.7/51

All: 3.788+/-0.010 χ^2/NDF: 2656701.4/95

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -208.500+/-1.282 χ^2/NDF: 8617.0/20

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -222.588+/-1.136 χ^2/NDF: 12006.3/26

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

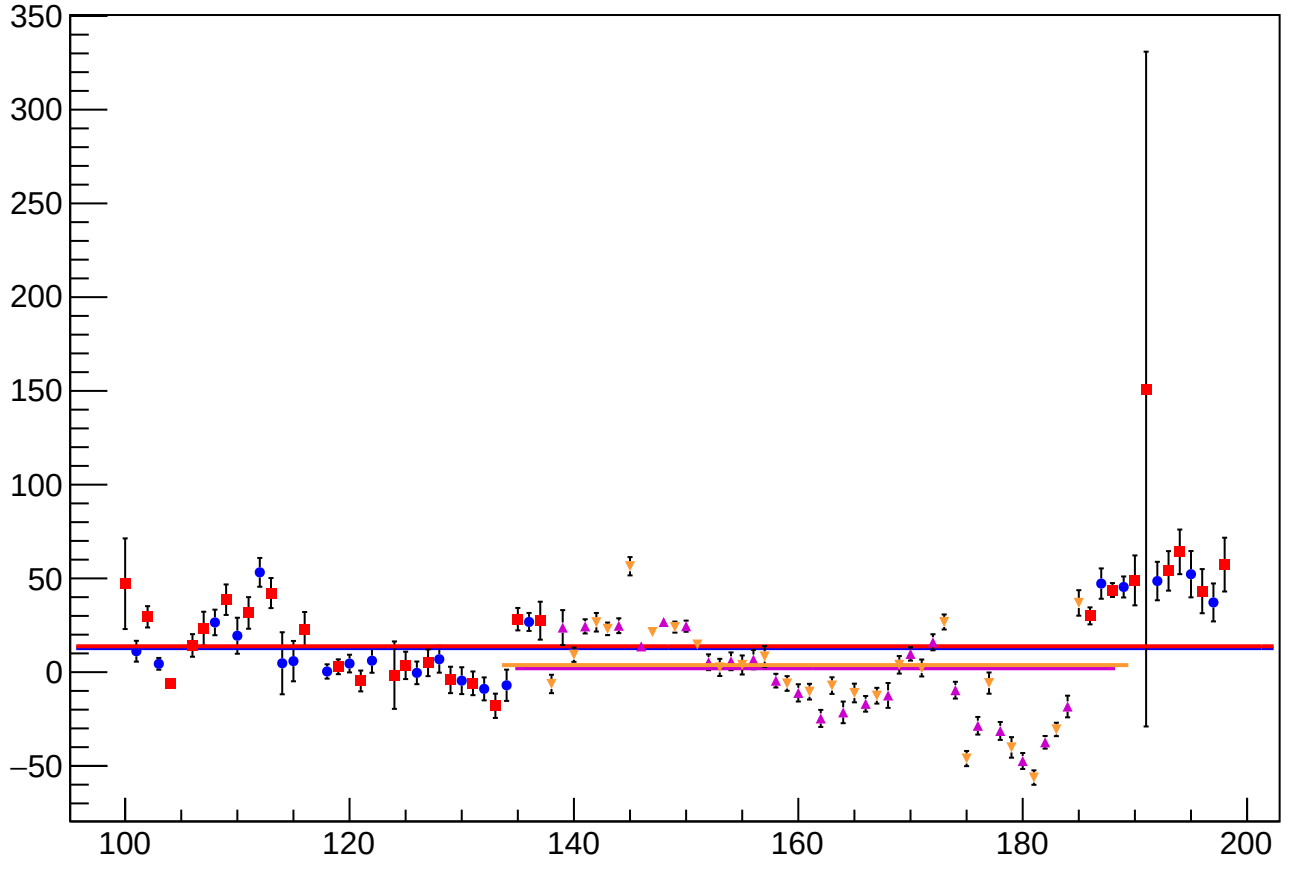
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -216.392+/-0.850 χ^2/NDF: 20691.0/47

In: -209.291+/-0.835 χ^2/NDF:11629.6/43

Out: -214.721+/-0.779 χ^2/NDF:15584.0/51

All: -212.196+/-0.570 χ^2/NDF: 27236.1/95



Right In: 12.822+/-1.340 χ^2/NDF: 172.9/20

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 13.805+/-1.195 χ^2/NDF: 310.7/26

Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

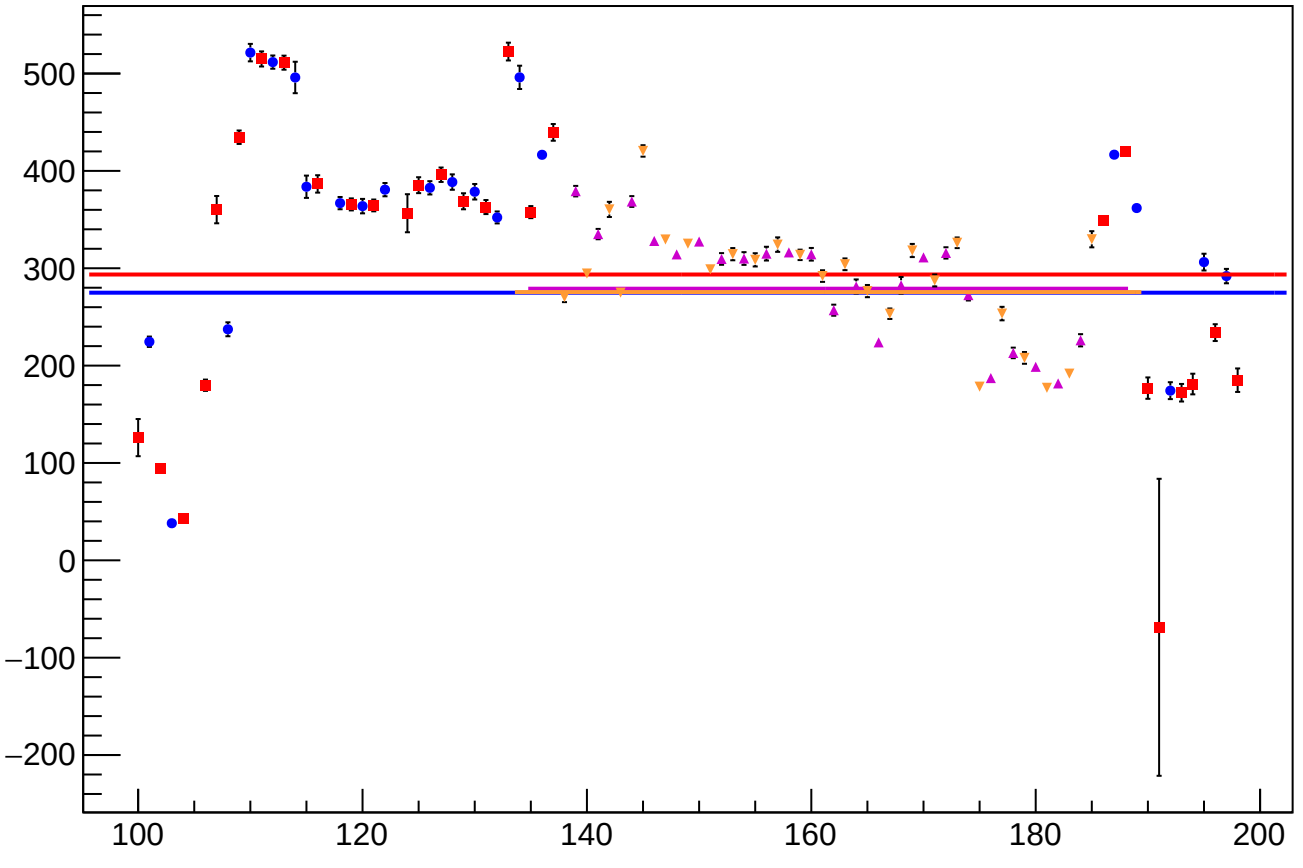
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 13.370+/-0.892 χ^2/NDF: 484.0/47

In: 5.004+/-0.700 χ^2/NDF:989.9/43

Out: 6.807+/-0.657 χ^2/NDF:1332.0/51

All: 5.962+/-0.479 χ^2/NDF: 2325.4/95



Right In: 274.891+/-1.234 χ^2/NDF: 17418.9/20

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 293.573+/-1.062 χ^2/NDF: 21620.4/26

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

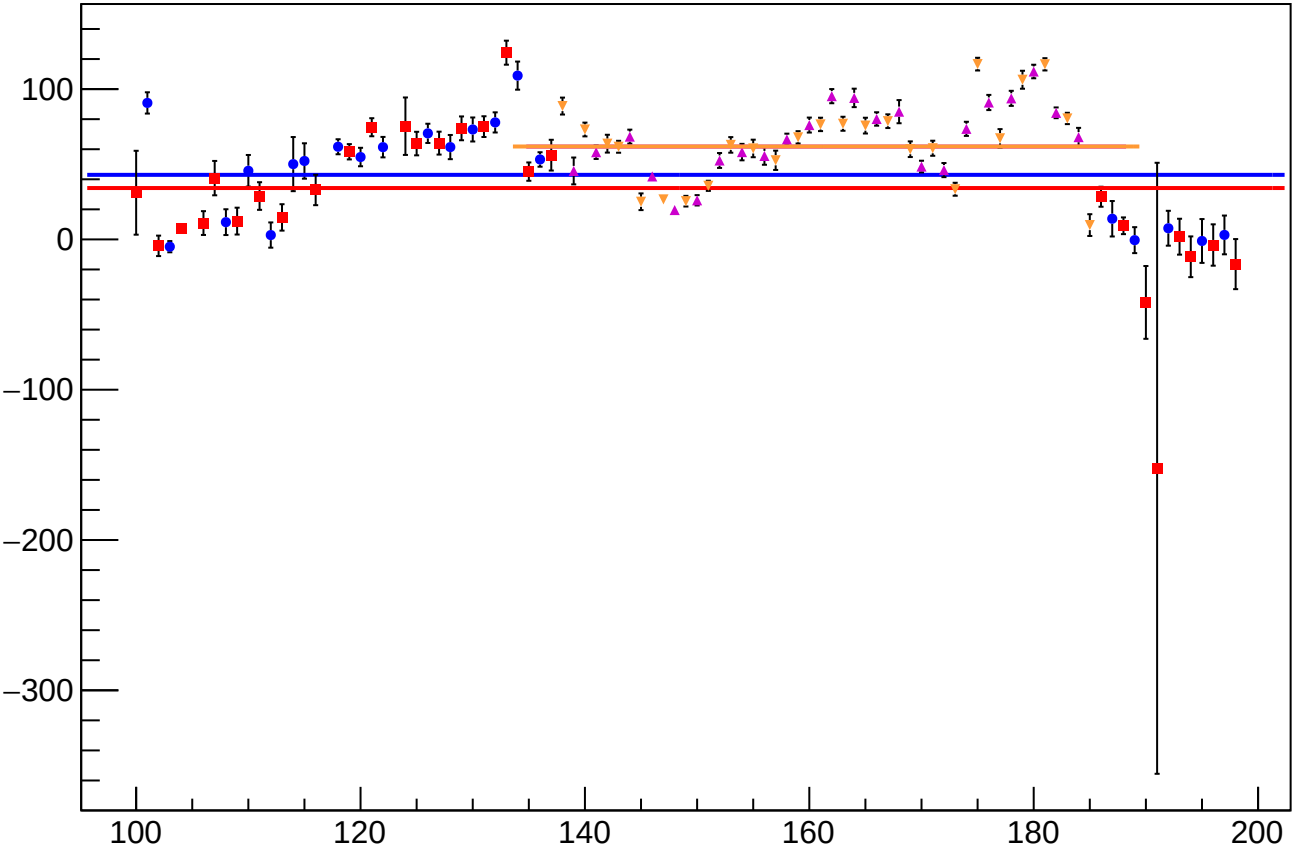
Right: 285.625+/-0.805 χ^2/NDF: 39171.1/47

In: 277.195+/-0.816 χ^2/NDF:20539.8/43

Out: 284.557+/-0.751 χ^2/NDF:25087.9/51

All: 281.183+/-0.553 χ^2/NDF: 45671.7/95

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.956+/-1.585 χ^2/NDF: 451.1/20

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 34.178+/-1.458 χ^2/NDF: 493.4/26

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

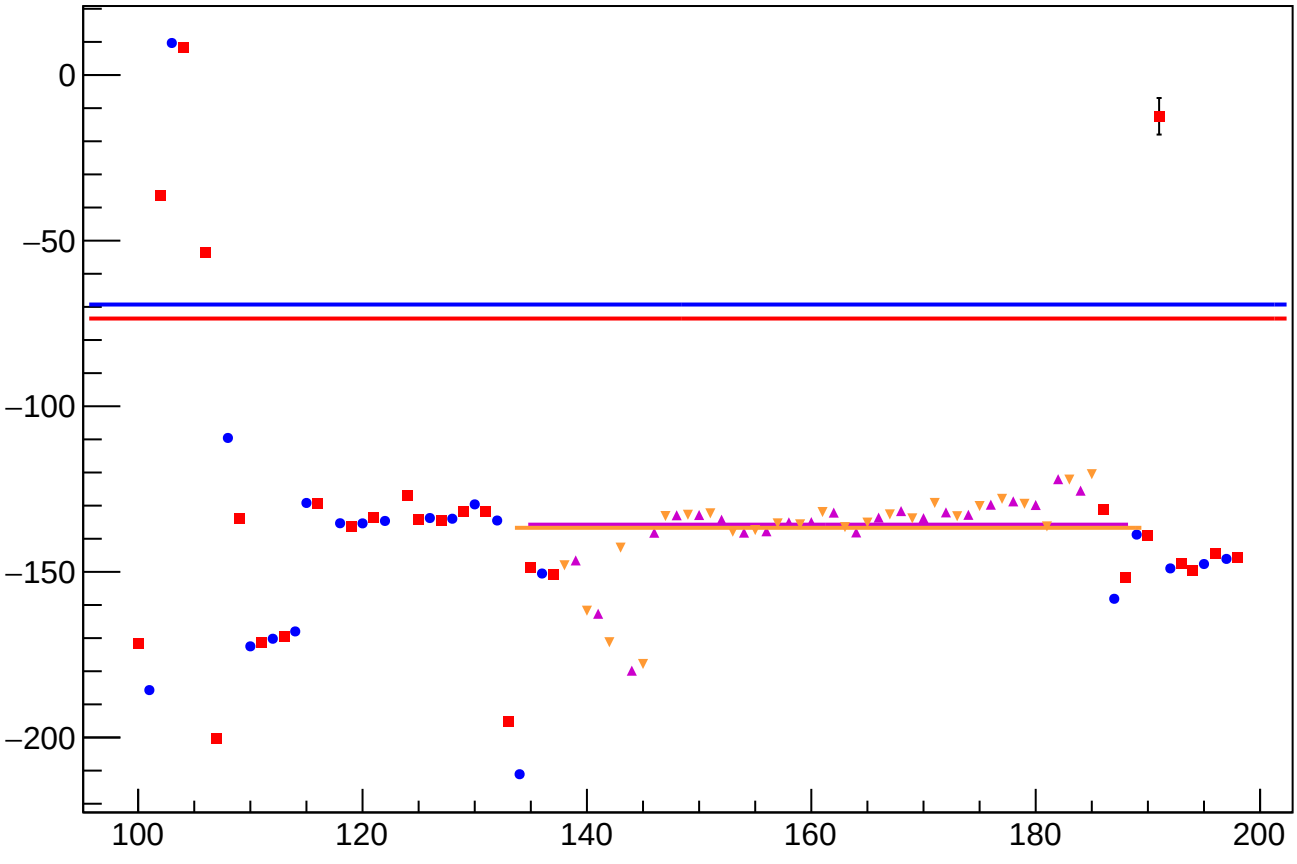
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 38.202+/-1.073 χ^2/NDF: 961.1/47

In: 56.878+/-0.808 χ^2/NDF:1291.4/43

Out: 54.098+/-0.770 χ^2/NDF:1711.9/51

All: 55.422+/-0.557 χ^2/NDF: 3009.6/95



Right In: -69.285+/-0.068 χ^2/NDF: 1399538.9/20

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -73.515+/-0.067 χ^2/NDF: 1130925.3/26

Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

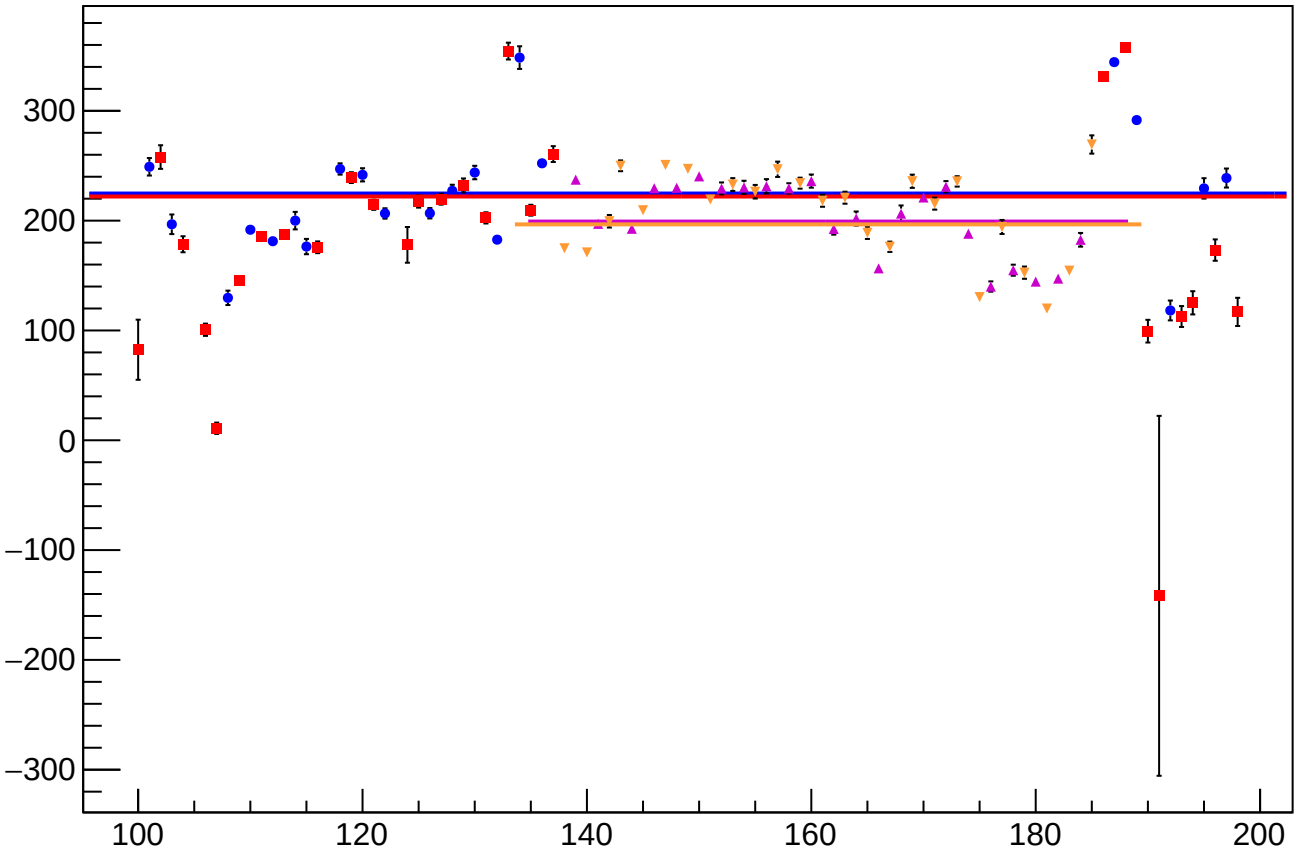
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -71.431+/-0.048 χ^2/NDF: 2532415.9/47

In: -116.962+/-0.036 χ^2/NDF:2144561.2/43

Out: -118.805+/-0.036 χ^2/NDF:1843197.6/51

All: -117.896+/-0.025 χ^2/NDF: 3989069.3/95



Right In: 224.688+/-1.171 χ^2/NDF: 1953.3/20

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 221.975+/-1.007 χ^2/NDF: 7930.5/26

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

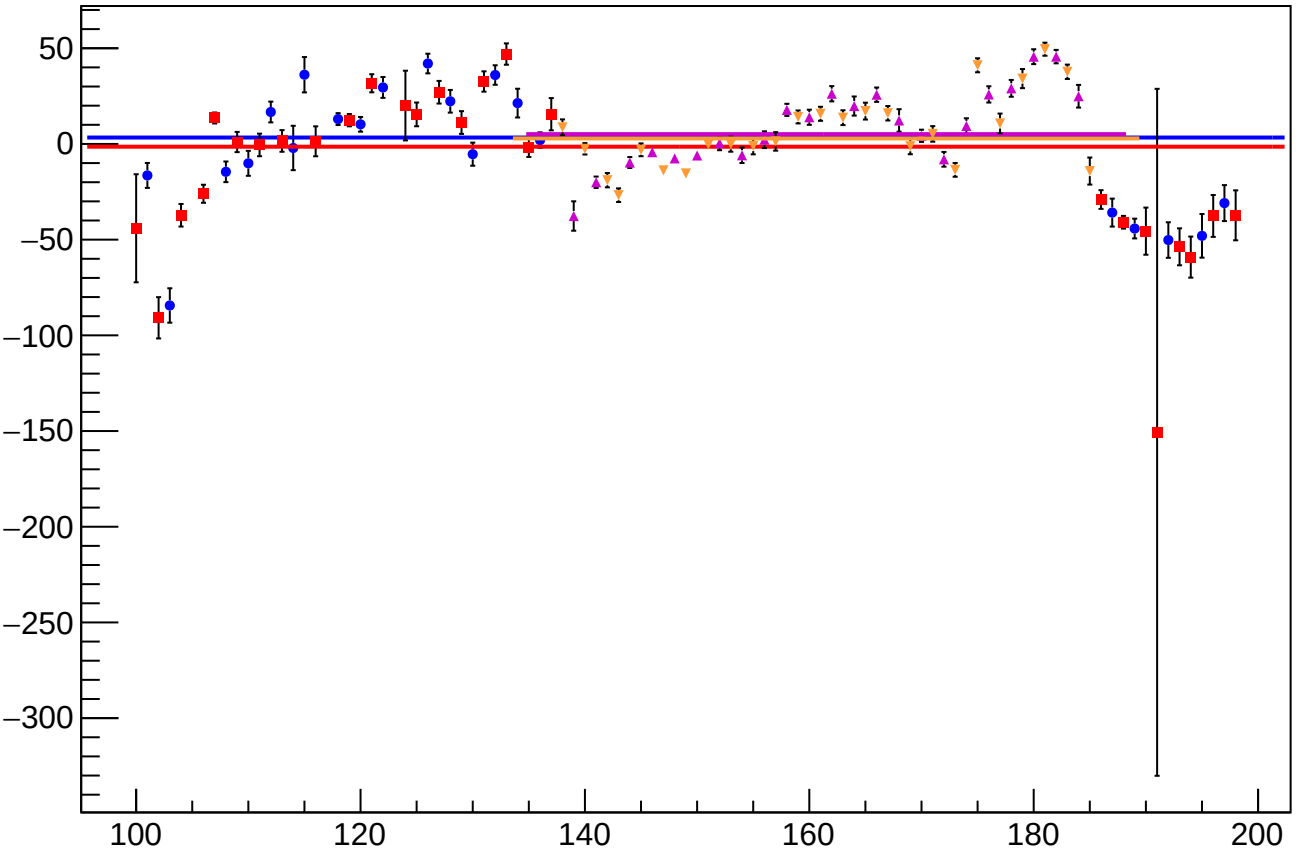
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

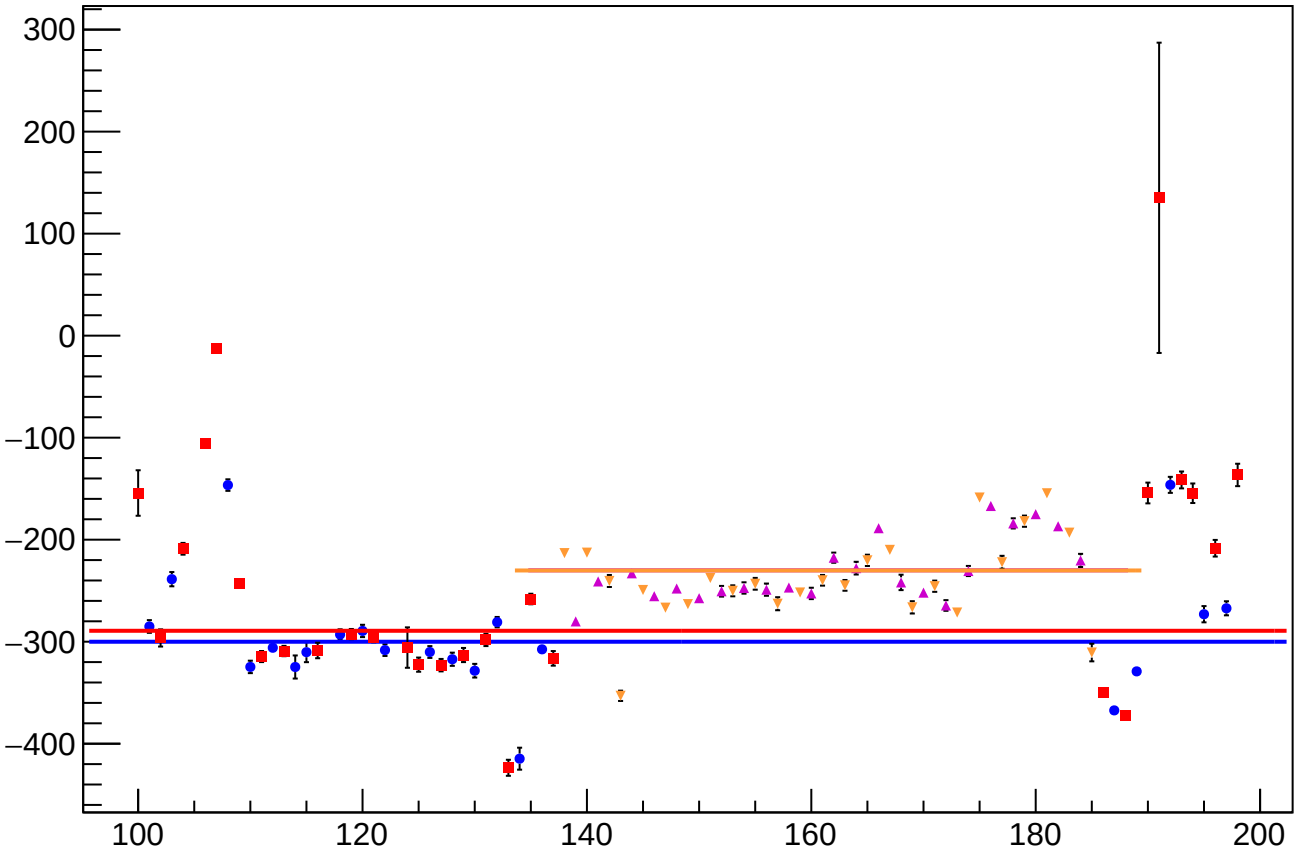
Right: 223.128+/-0.763 χ^2/NDF: 9886.9/47

In: 209.582+/-0.748 χ^2/NDF:3529.3/43

Out: 208.508+/-0.690 χ^2/NDF:10342.7/51

All: 209.001+/-0.507 χ^2/NDF: 13873.2/95


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: 3.353+/-1.240 χ²/NDF: 471.4/20
Left Out: 2.870+/-0.693 χ²/NDF:752.8/24
Right Out: -1.440+/-1.091 χ²/NDF: 651.7/26
Left In: 5.126+/-0.718 χ²/NDF:628.6/22
Left: 3.958+/-0.499 χ²/NDF: 1386.5/47
Right: 0.651+/-0.819 χ²/NDF: 1131.5/47
In: 4.681+/-0.621 χ²/NDF:1101.5/43
Out: 1.632+/-0.585 χ²/NDF:1415.6/51
All: 3.065+/-0.426 χ²/NDF: 2529.9/95



Right In: -300.044+/-1.231 χ^2/NDF: 1814.4/20

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -289.305+/-1.019 χ^2/NDF: 9469.9/26

Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

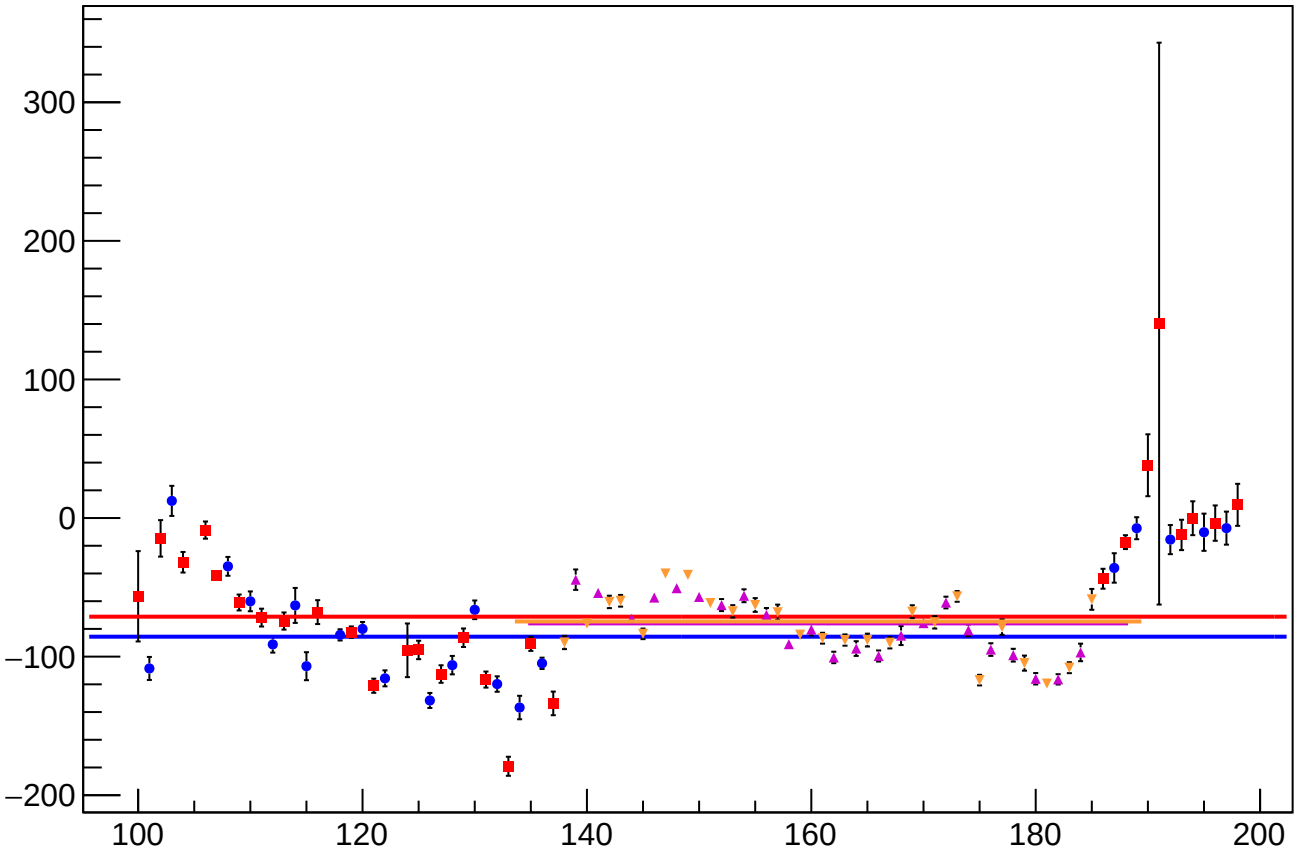
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -293.668+/-0.785 χ^2/NDF: 11329.5/47

In: -256.541+/-0.758 χ^2/NDF:4916.7/43

Out: -257.346+/-0.690 χ^2/NDF:13473.3/51

All: -256.981+/-0.510 χ^2/NDF: 18390.6/95



Right In: -85.620+/-1.457 χ^2/NDF: 619.0/20

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -71.184+/-1.313 χ^2/NDF: 1033.4/26

Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

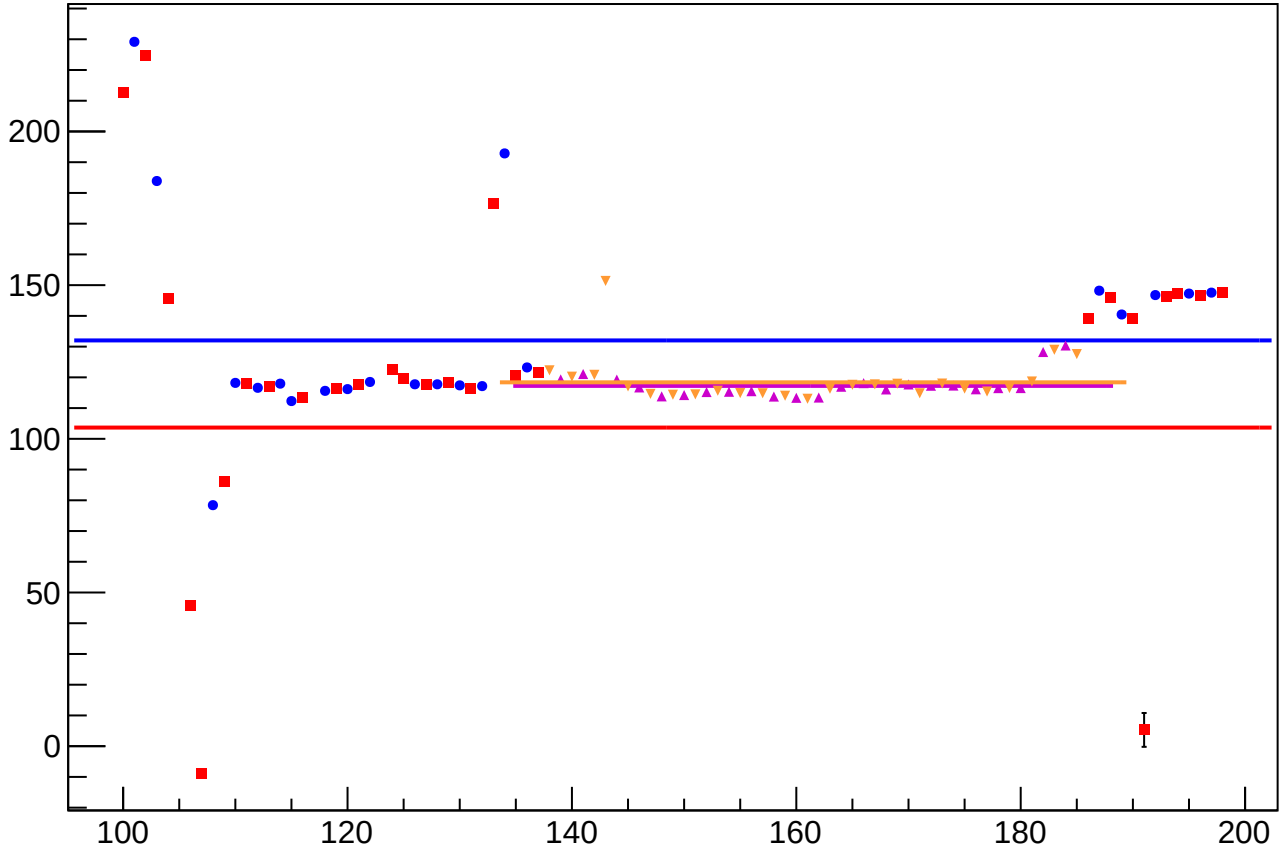
Right: -77.654+/-0.975 χ^2/NDF: 1706.6/47

In: -78.351+/-0.717 χ^2/NDF:1297.9/43

Out: -73.706+/-0.684 χ^2/NDF:1869.5/51

All: -75.917+/-0.495 χ^2/NDF: 3189.4/95

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 132.016+/-0.080 χ^2/NDF: 190842.7/20

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 103.662+/-0.070 χ^2/NDF: 712390.4/26

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

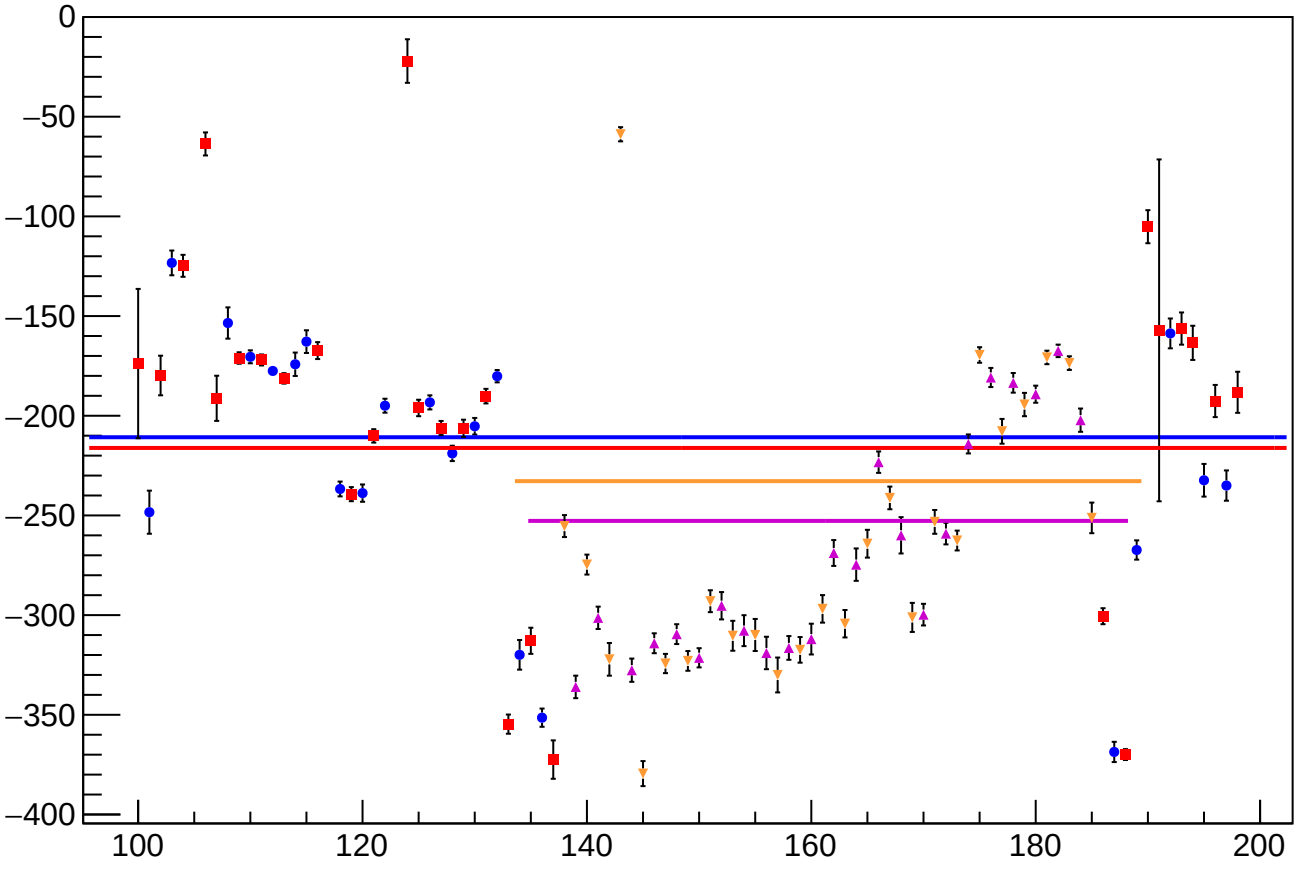
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 115.859+/-0.052 χ^2/NDF: 974754.5/47

In: 119.900+/-0.034 χ^2/NDF:229048.4/43

Out: 115.096+/-0.033 χ^2/NDF:782137.4/51

All: 117.413+/-0.024 χ^2/NDF: 1021497.3/95



Right In: -210.778+/-0.960 χ^2/NDF: 3282.0/20

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -216.144+/-0.871 χ^2/NDF: 7456.2/26

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

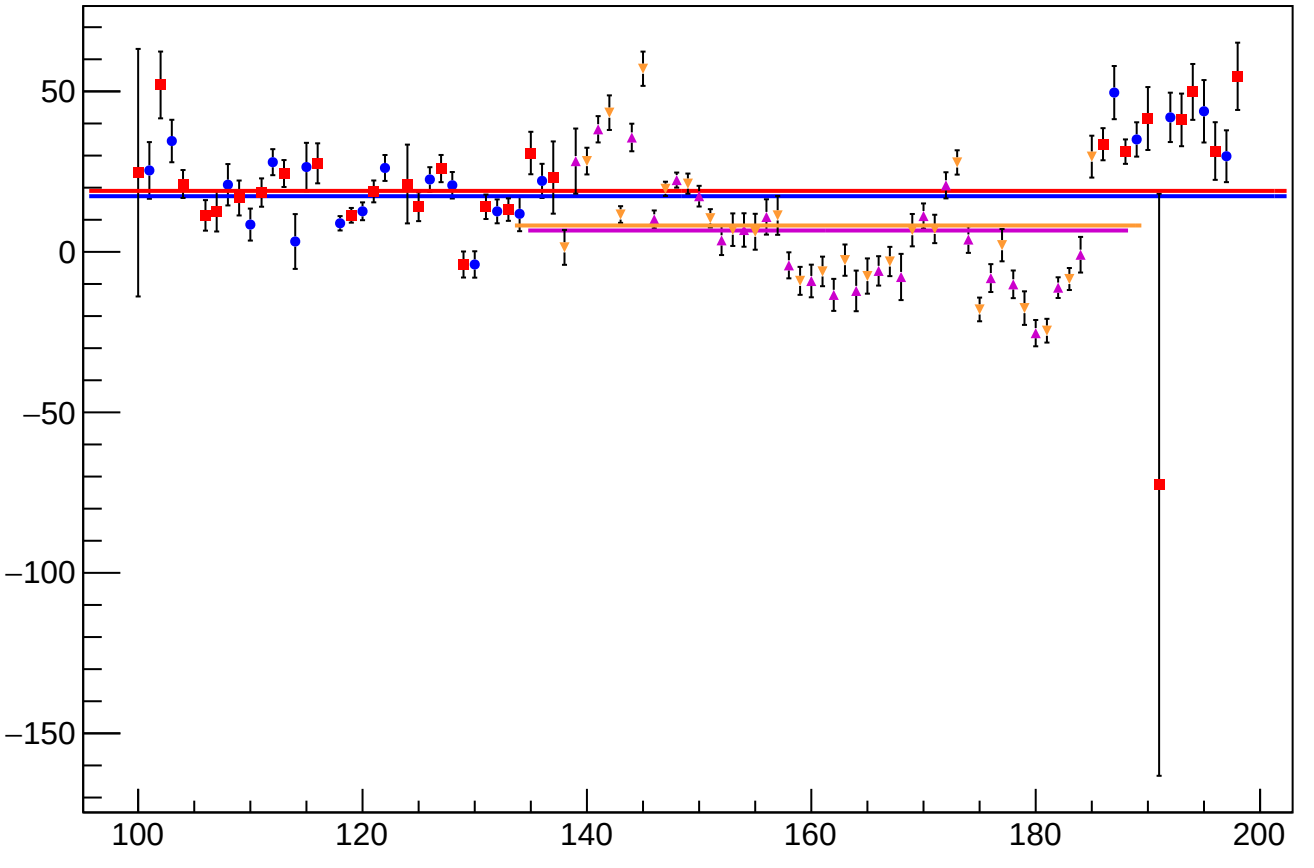
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -213.722+/-0.645 χ^2/NDF: 10755.3/47

In: -228.353+/-0.732 χ^2/NDF:6996.1/43

Out: -222.767+/-0.676 χ^2/NDF:13365.6/51

All: -225.339+/-0.497 χ^2/NDF: 20393.1/95



Right In: 17.343+/-0.998 χ^2/NDF: 122.7/20

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 19.003+/-0.954 χ^2/NDF: 130.8/26

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

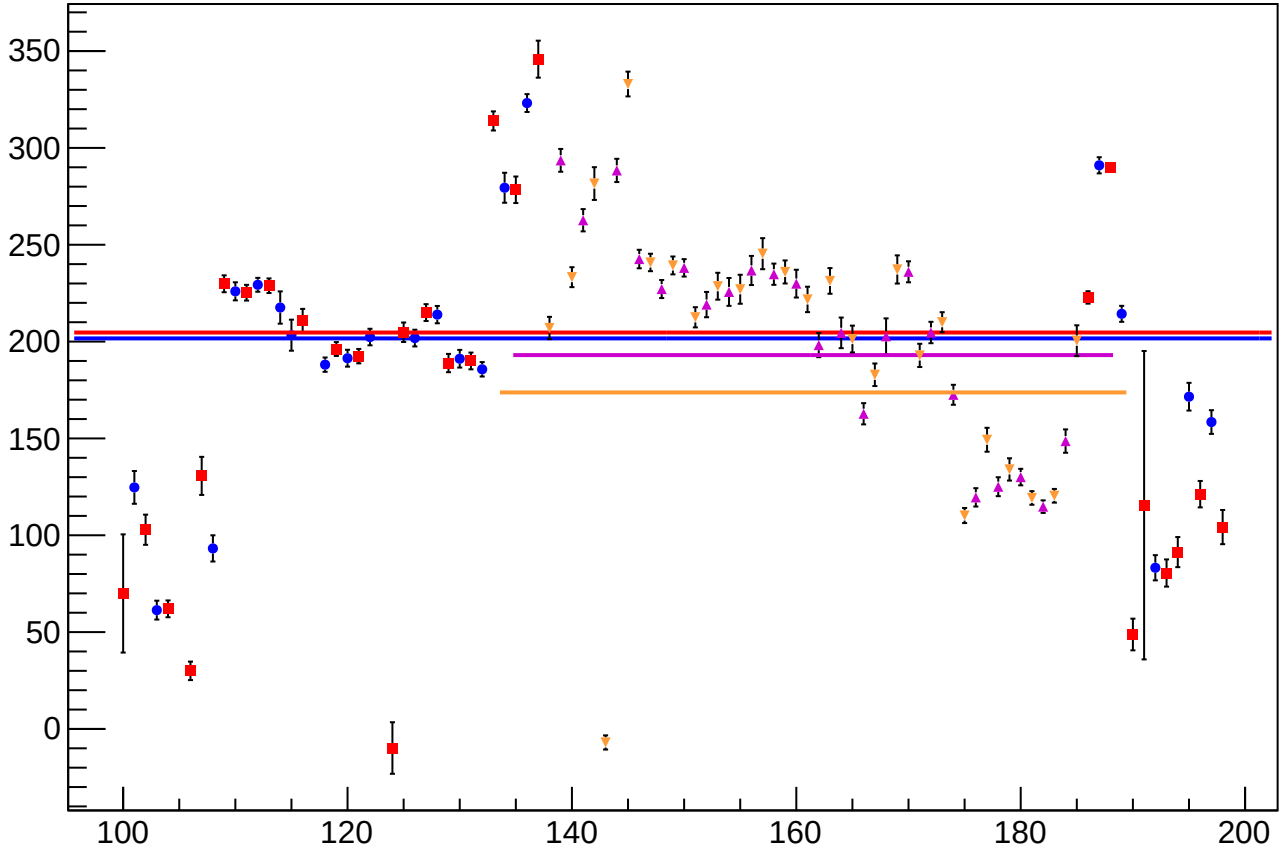
Right: 18.211+/-0.690 χ^2/NDF: 254.9/47

In: 11.198+/-0.651 χ^2/NDF:543.4/43

Out: 12.693+/-0.614 χ^2/NDF:663.5/51

All: 11.989+/-0.447 χ^2/NDF: 1209.7/95

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 201.641+/-1.063 χ^2/NDF: 2970.8/20

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 204.682+/-0.935 χ^2/NDF: 6589.0/26

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

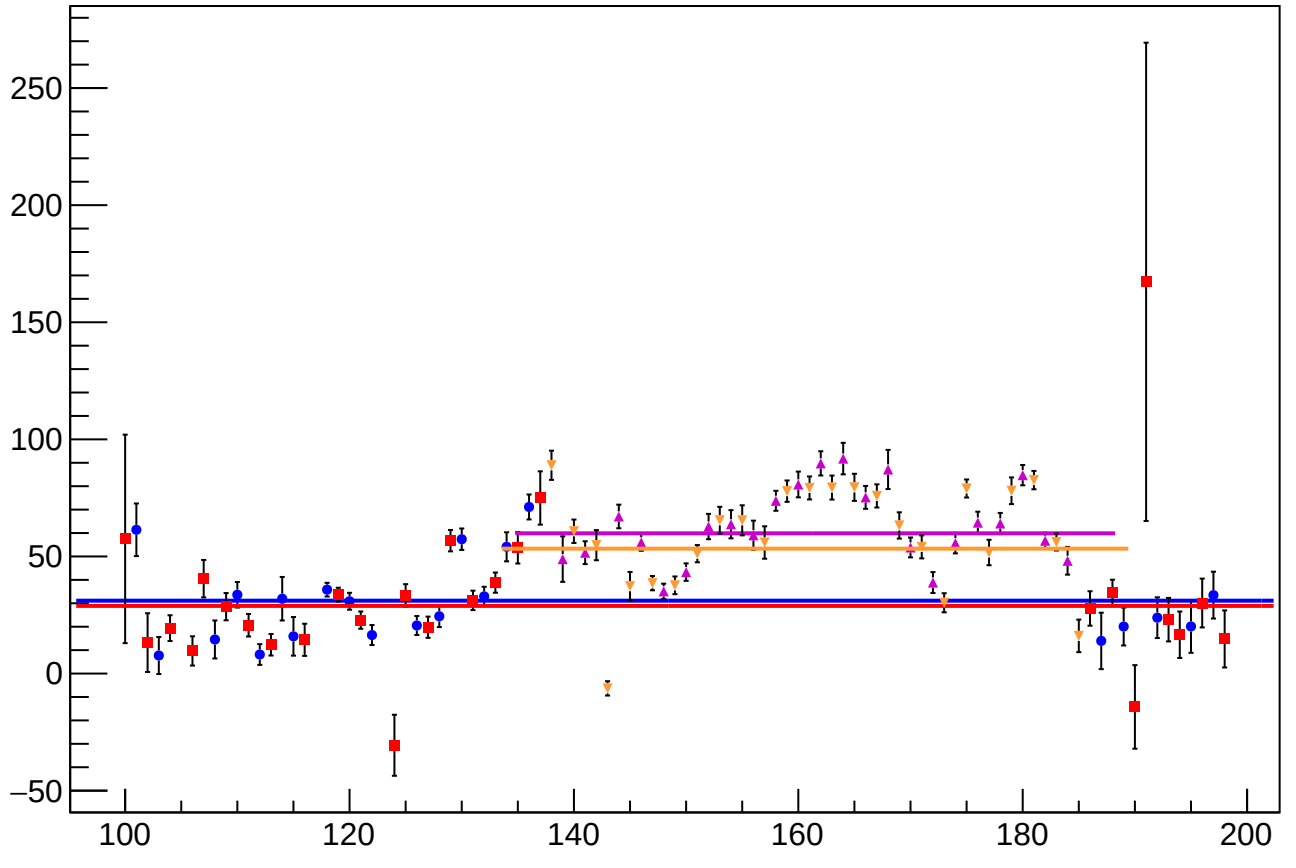
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 203.356+/-0.702 χ^2/NDF: 9564.4/47

In: 197.567+/-0.772 χ^2/NDF:5513.8/43

Out: 191.277+/-0.703 χ^2/NDF:12324.4/51

All: 194.132+/-0.520 χ^2/NDF: 17874.5/95



Right In: 31.121+/-1.171 χ^2/NDF: 182.9/20

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 28.894+/-1.125 χ^2/NDF: 153.0/26

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

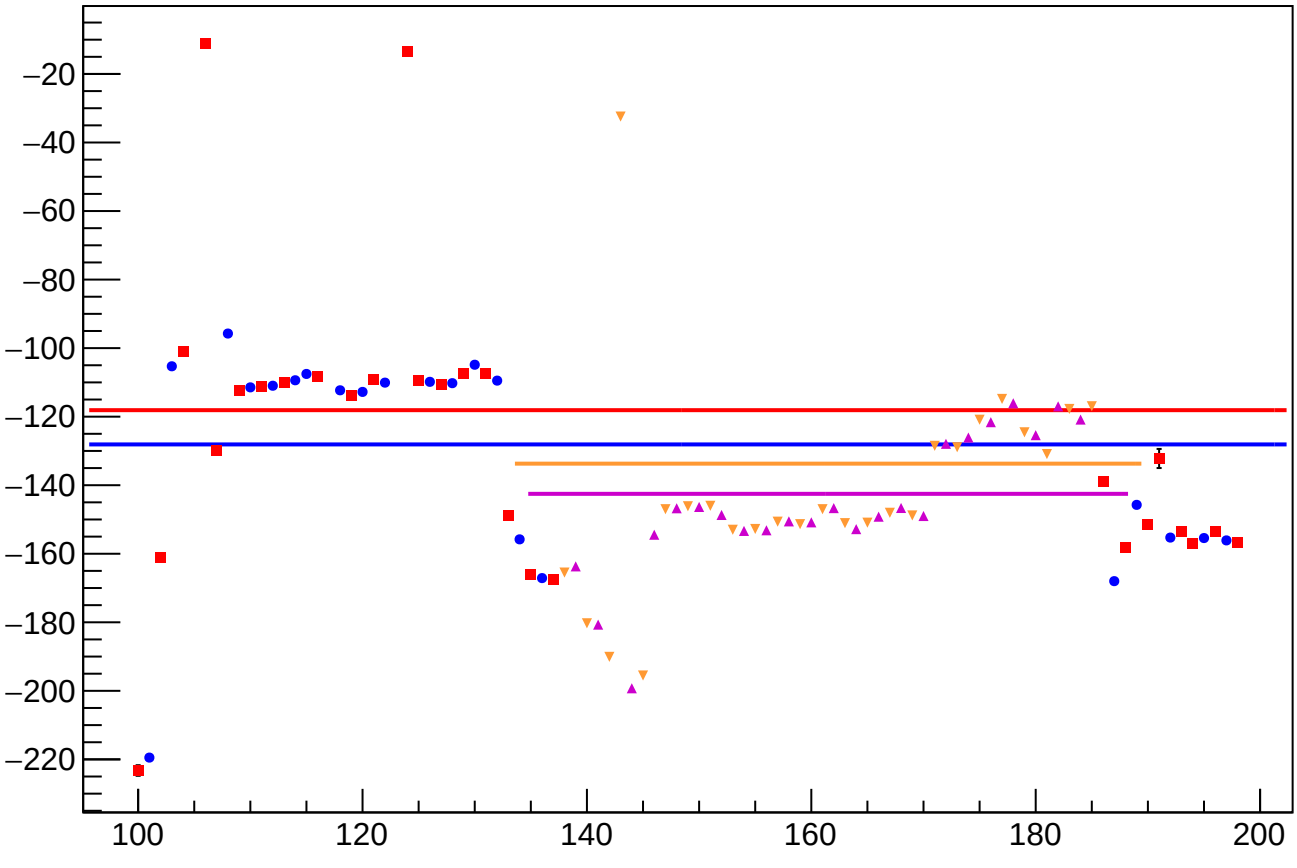
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 29.963+/-0.812 χ^2/NDF: 337.7/47

In: 48.086+/-0.750 χ^2/NDF:789.8/43

Out: 43.522+/-0.713 χ^2/NDF:1214.0/51

All: 45.688+/-0.517 χ^2/NDF: 2023.3/95



Right In: -128.099+/-0.071 χ^2/NDF: 156322.3/20

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -118.104+/-0.064 χ^2/NDF: 465428.9/26

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

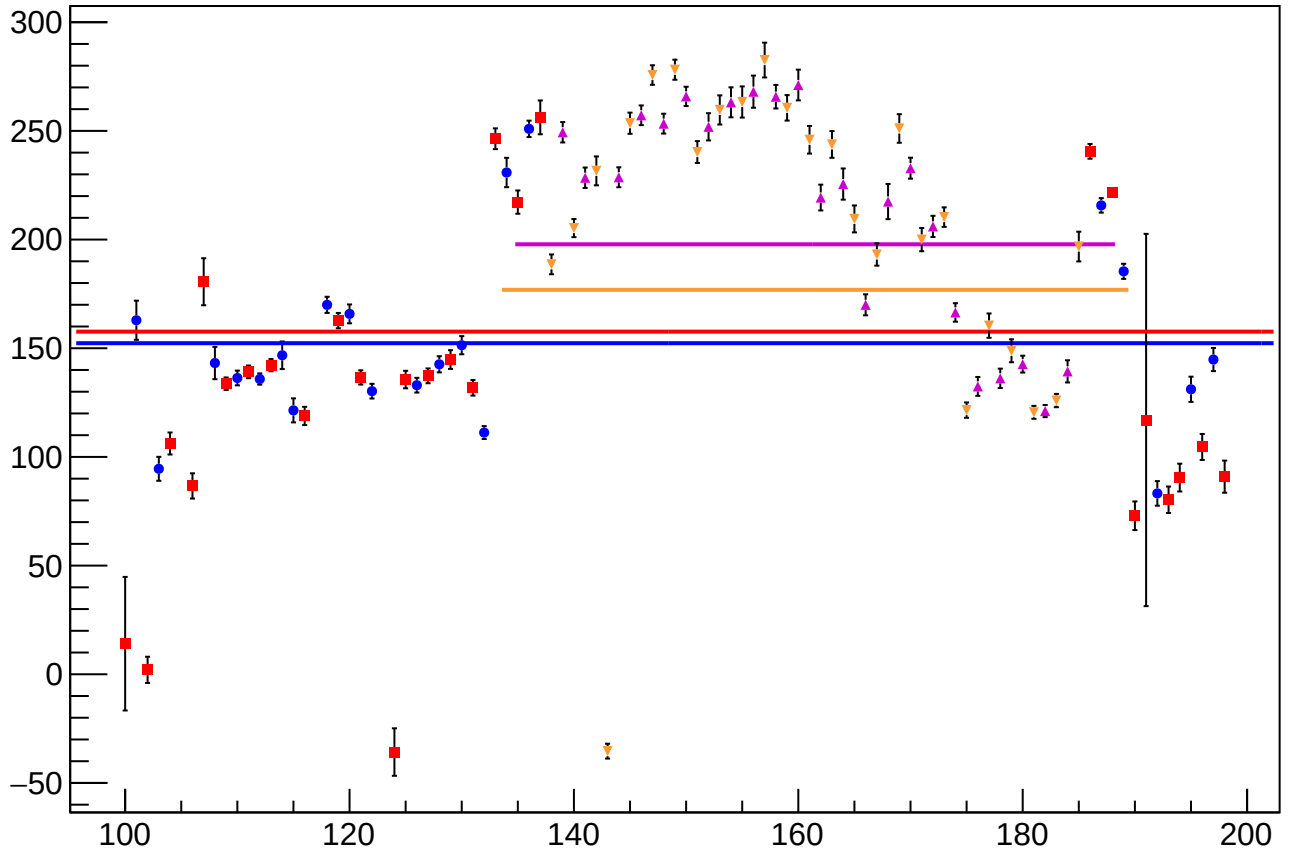
Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

Right: -122.656+/-0.048 χ^2/NDF: 632689.3/47

In: -138.423+/-0.038 χ^2/NDF:364737.7/43

Out: -128.933+/-0.036 χ^2/NDF:1181978.4/51

All: -133.432+/-0.026 χ^2/NDF: 1580246.4/95



Right In: 152.318+/-0.890 χ^2/NDF: 1947.9/20

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 157.642+/-0.789 χ^2/NDF: 4770.4/26

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

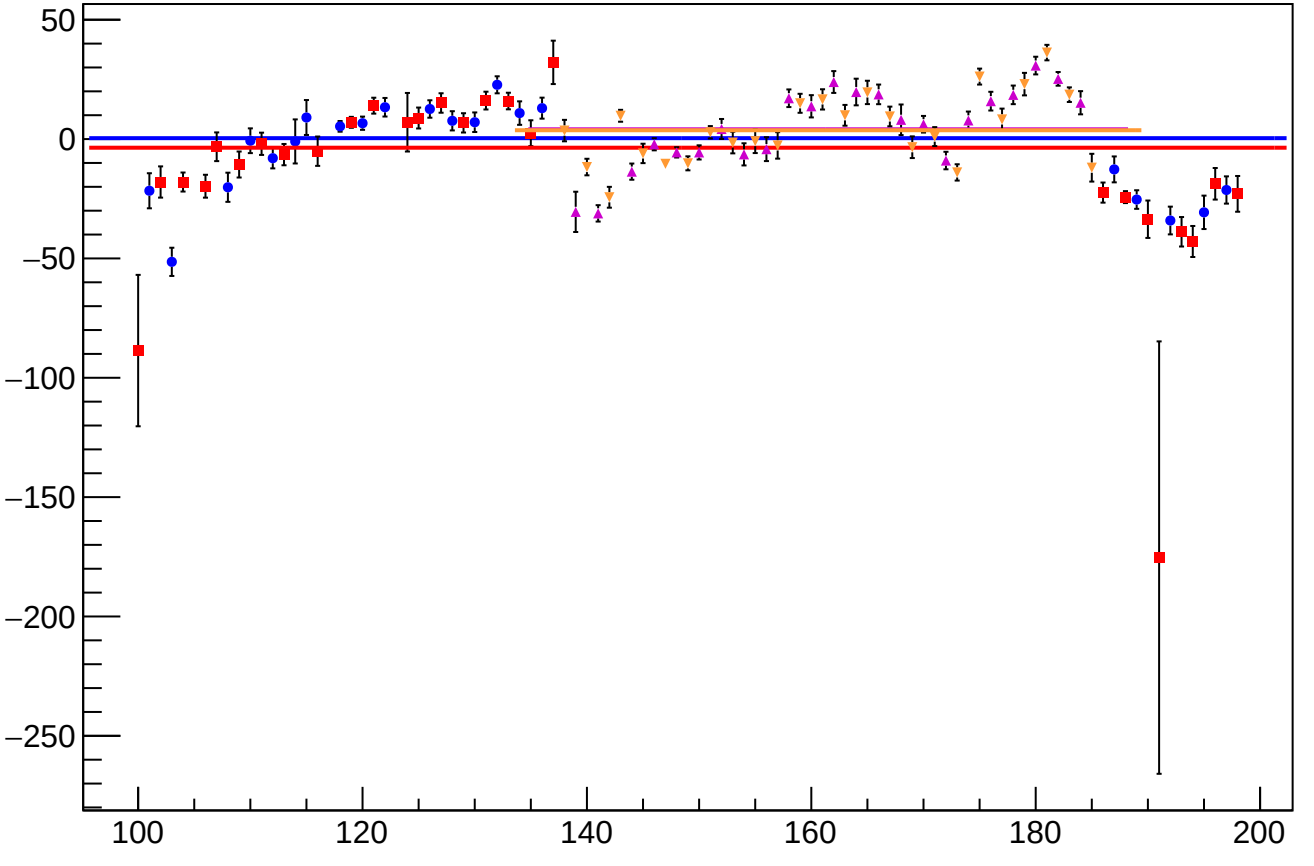
Right: 155.300+/-0.590 χ^2/NDF: 6738.4/47

In: 172.296+/-0.667 χ^2/NDF:6063.8/43

Out: 165.420+/-0.609 χ^2/NDF:12435.8/51

All: 168.547+/-0.450 χ^2/NDF: 18557.5/95

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.385+/-0.936 χ^2/NDF: 311.5/20

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -3.617+/-0.877 χ^2/NDF: 388.5/26

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

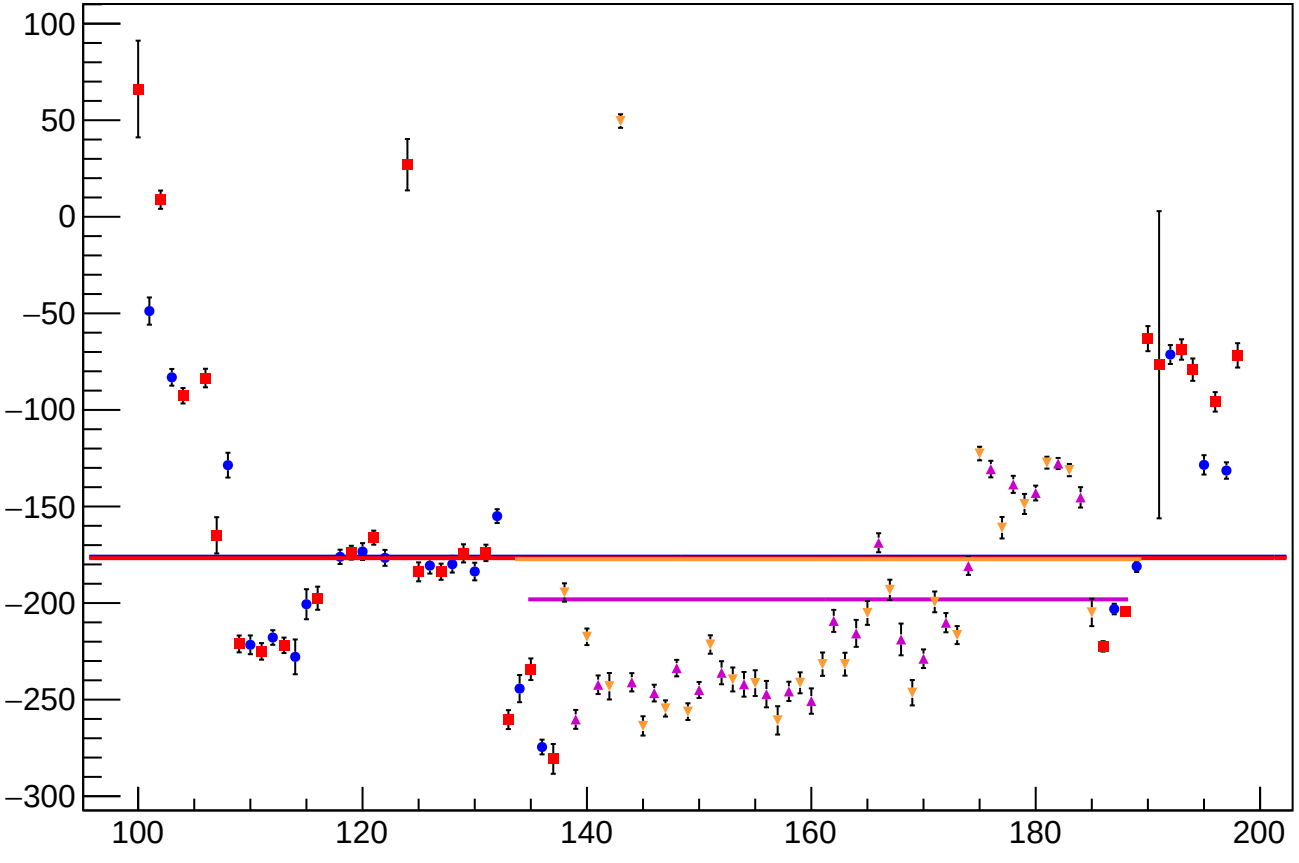
Right: -1.746+/-0.640 χ^2/NDF: 709.8/47

In: 2.605+/-0.594 χ^2/NDF:719.9/43

Out: 0.743+/-0.558 χ^2/NDF:831.0/51

All: 1.616+/-0.407 χ^2/NDF: 1556.1/95

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -175.978+/-0.937 χ^2/NDF: 2651.2/20

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -176.756+/-0.794 χ^2/NDF: 5858.4/26

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

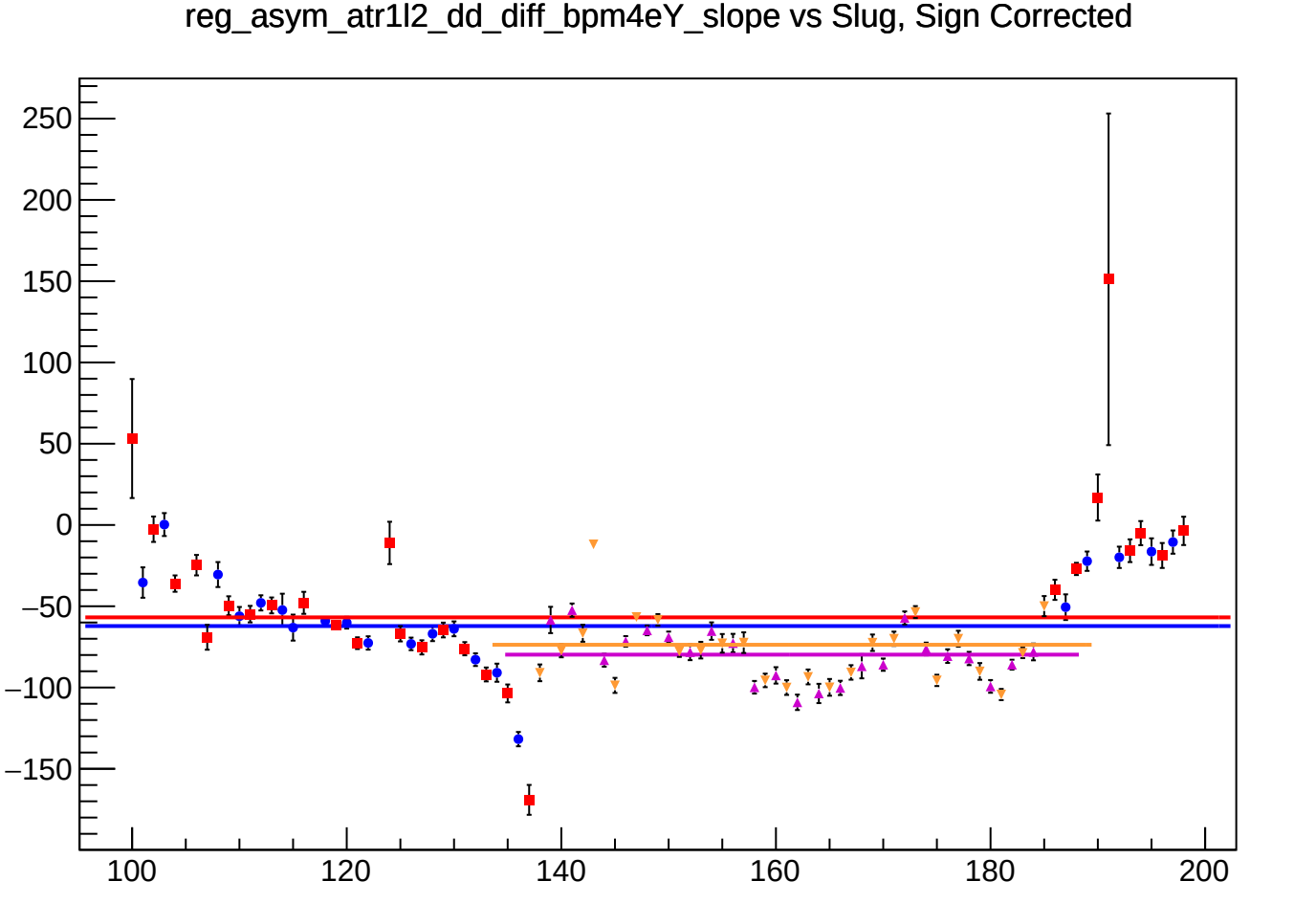
Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

Right: -176.431+/-0.606 χ^2/NDF: 8510.0/47

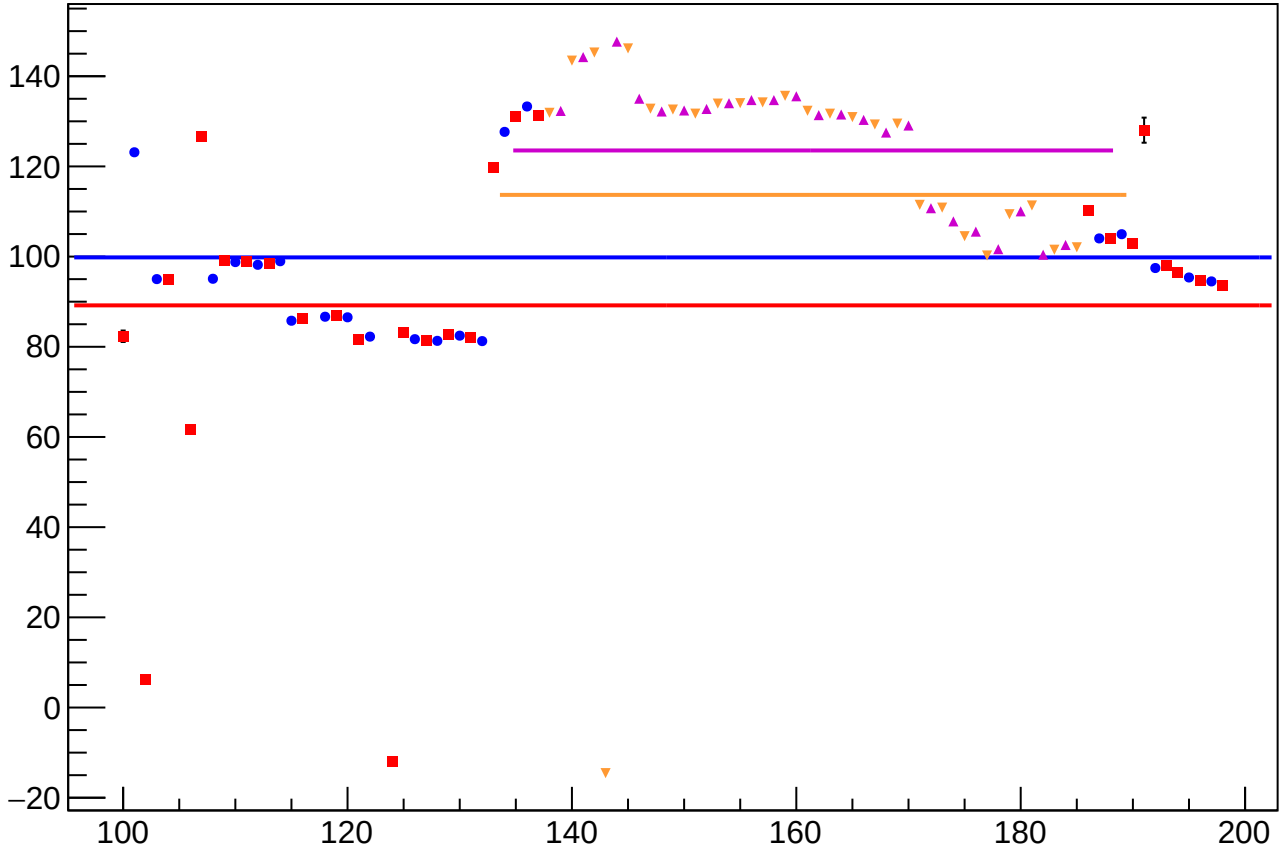
In: -186.314+/-0.684 χ^2/NDF:5297.8/43

Out: -176.971+/-0.611 χ^2/NDF:12898.6/51

All: -181.117+/-0.455 χ^2/NDF: 18300.2/95


reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
−150
100
120
140
160
180
200
Right In: -62.188+/-1.105 χ²/NDF: 608.2/20
Left Out: -73.706+/-0.829 χ²/NDF:839.6/24
Right Out: -56.842+/-1.051 χ²/NDF: 726.1/26
Left In: -79.777+/-0.874 χ²/NDF:277.1/22
Left: -76.581+/-0.601 χ²/NDF: 1142.1/47
Right: -59.380+/-0.762 χ²/NDF: 1346.6/47
In: -73.009+/-0.686 χ²/NDF:1041.1/43
Out: -67.238+/-0.651 χ²/NDF:1724.5/51
All: -69.974+/-0.472 χ²/NDF: 2802.9/95

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 99.825+/-0.062 χ^2/NDF: 68916.8/20

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 89.185+/-0.056 χ^2/NDF: 281658.8/26

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

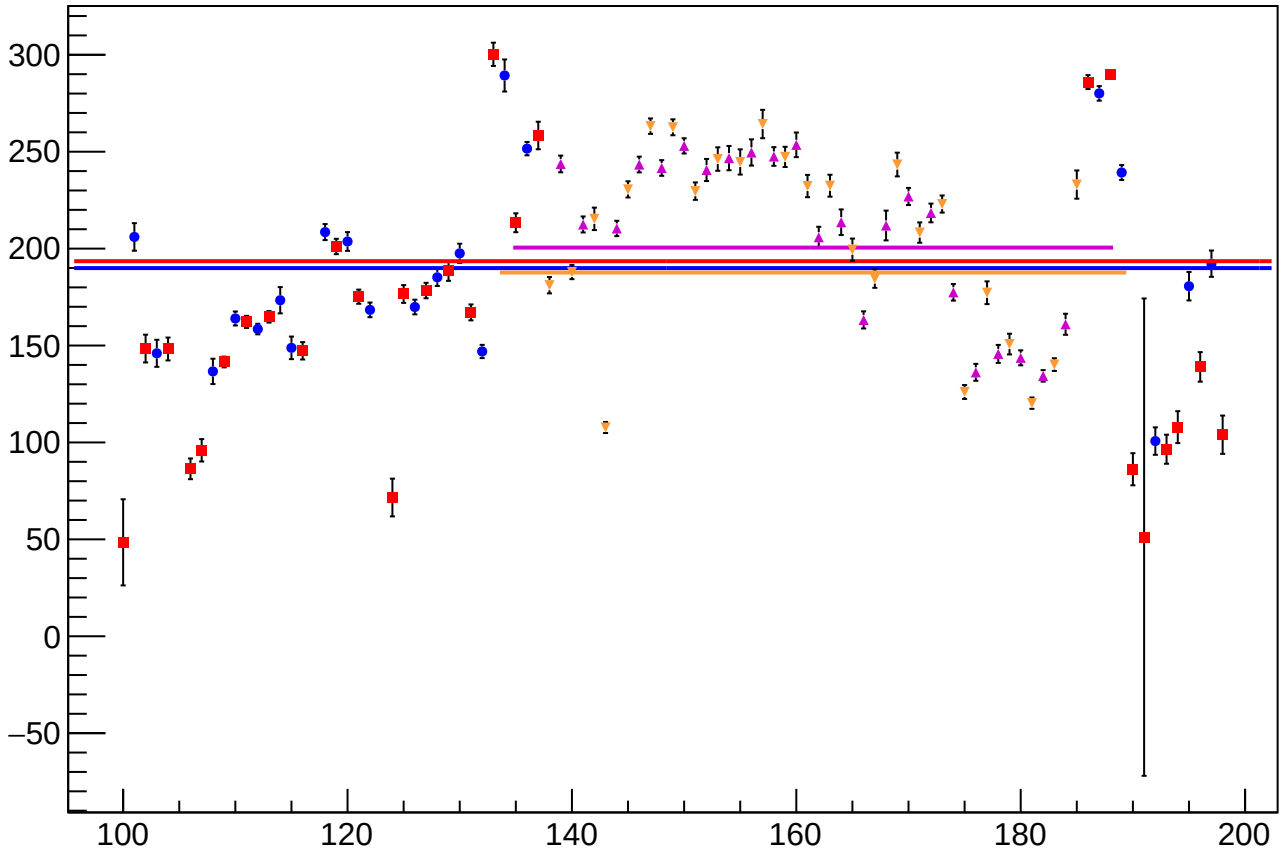
Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

Right: 93.934+/-0.042 χ^2/NDF: 366692.1/47

In: 116.719+/-0.033 χ^2/NDF:306561.4/43

Out: 105.861+/-0.032 χ^2/NDF:1375128.6/51

All: 110.991+/-0.023 χ^2/NDF: 1737305.9/95



Right In: 189.951+/-0.980 χ^2/NDF: 1969.5/20

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 193.510+/-0.855 χ^2/NDF: 5760.6/26

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

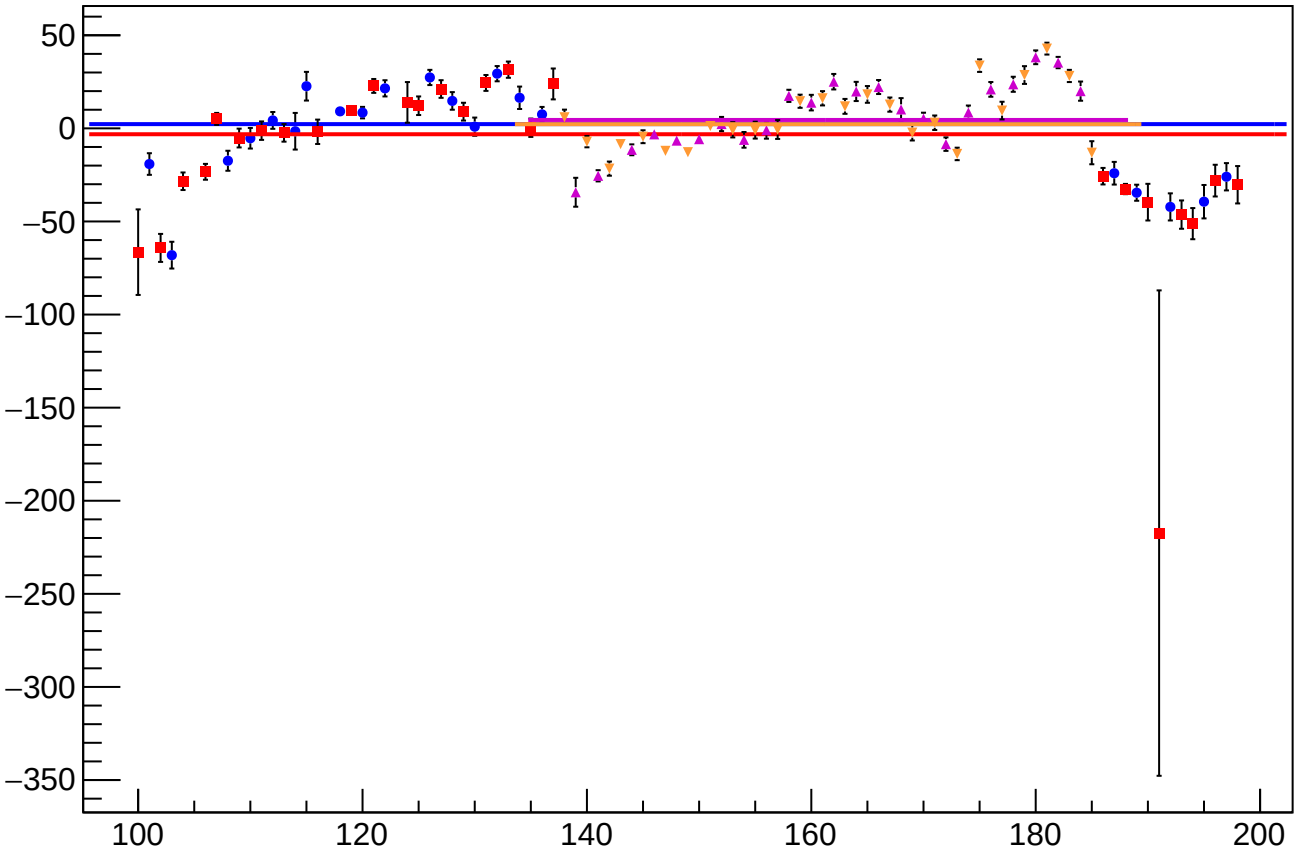
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 191.972+/-0.644 χ^2/NDF: 7737.6/47

In: 195.372+/-0.684 χ^2/NDF:4140.6/43

Out: 190.737+/-0.619 χ^2/NDF:9311.0/51

All: 192.824+/-0.459 χ^2/NDF: 13476.9/95



Right In: 2.276+/-1.033 χ^2/NDF: 424.2/20

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -3.157+/-0.939 χ^2/NDF: 602.6/26

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

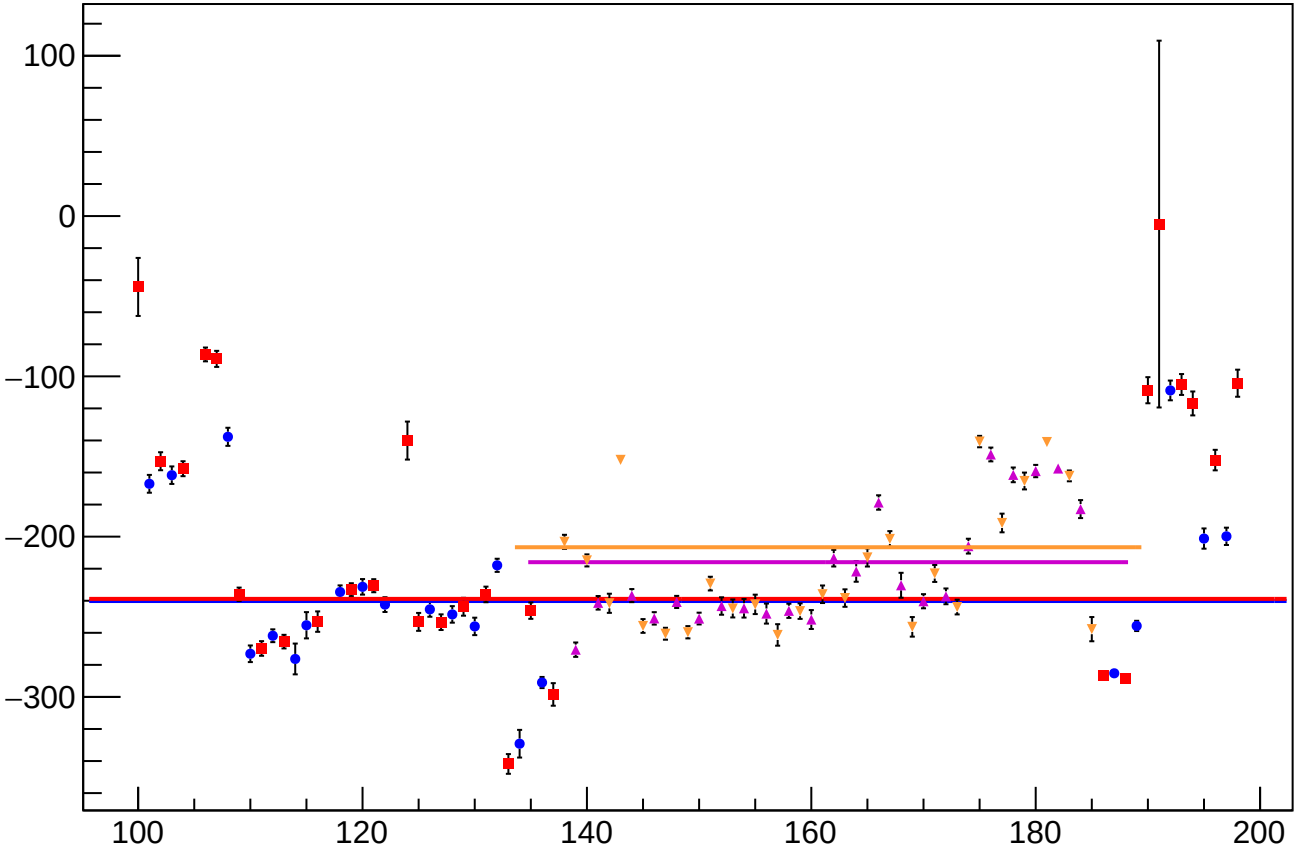
Right: -0.699+/-0.695 χ^2/NDF: 1042.0/47

In: 3.789+/-0.587 χ^2/NDF:974.5/43

Out: 0.442+/-0.542 χ^2/NDF:1225.5/51

All: 1.983+/-0.399 χ^2/NDF: 2217.6/95

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -240.172+/-1.035 χ^2/NDF: 1949.3/20

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -238.832+/-0.865 χ^2/NDF: 5982.0/26

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

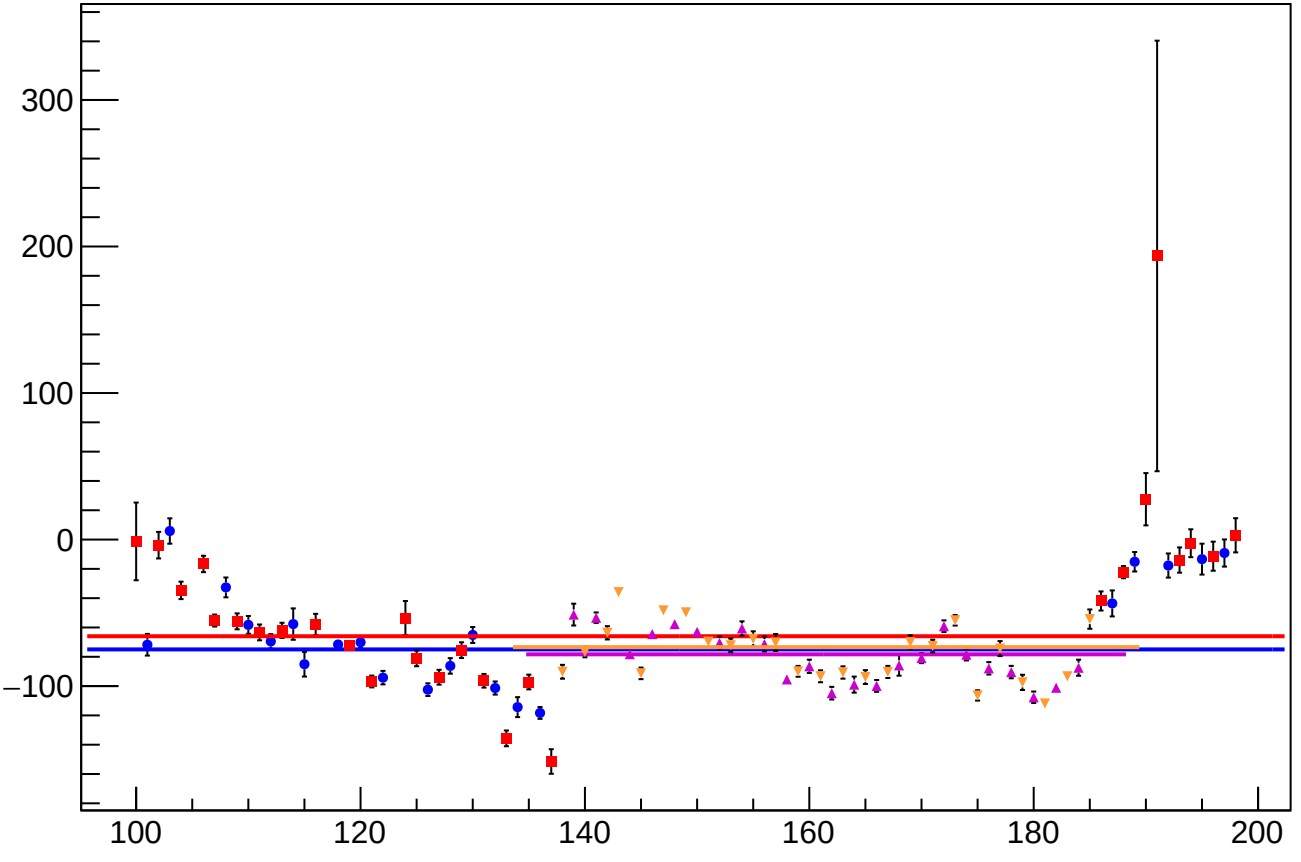
Right: -239.383+/-0.664 χ^2/NDF: 7932.2/47

In: -226.971+/-0.698 χ^2/NDF:3959.9/43

Out: -223.267+/-0.622 χ^2/NDF:9119.8/51

All: -224.905+/-0.464 χ^2/NDF: 13095.4/95

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -74.964+/-1.217 χ^2/NDF: 618.7/20

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -65.980+/-1.127 χ^2/NDF: 929.9/26

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

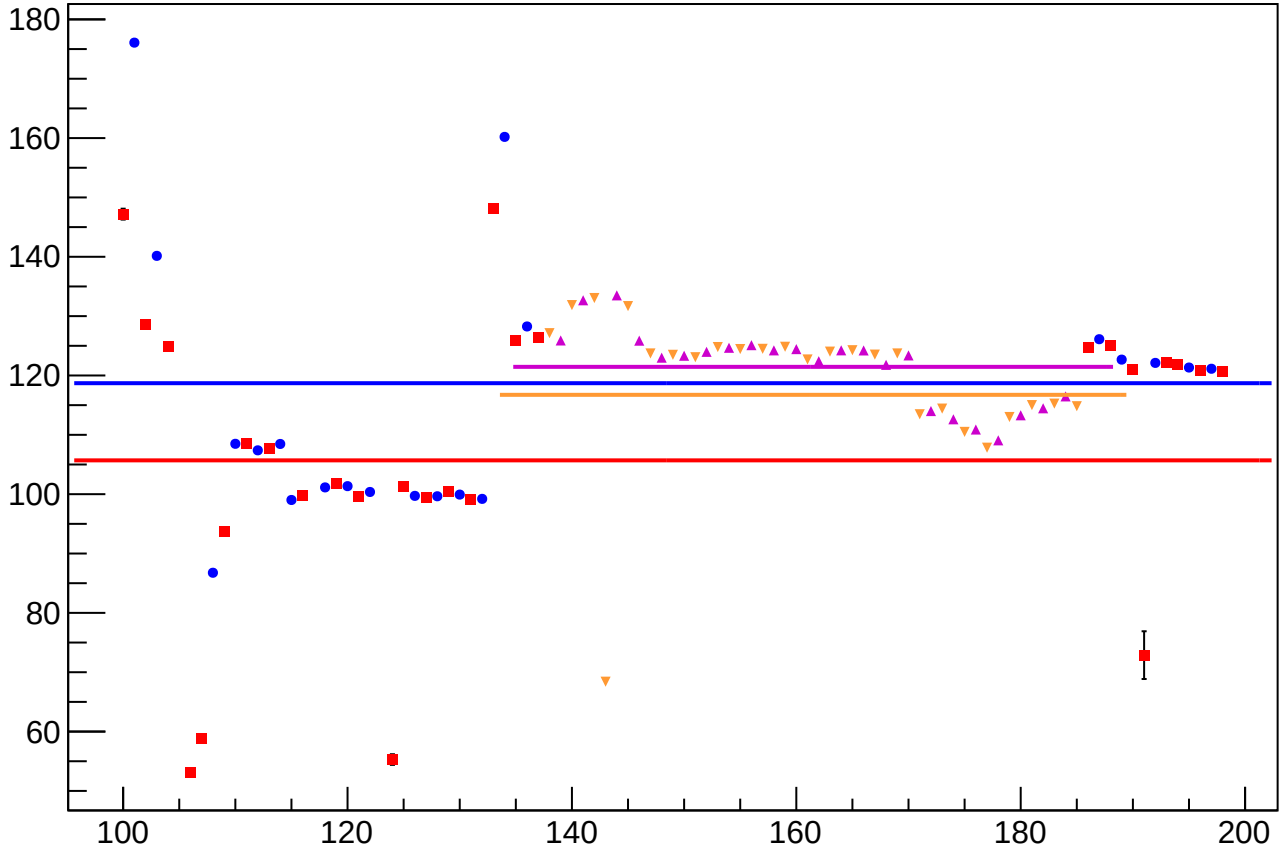
Right: -70.125+/-0.827 χ^2/NDF: 1578.0/47

In: -77.284+/-0.679 χ^2/NDF:1067.2/43

Out: -71.069+/-0.634 χ^2/NDF:1796.3/51

All: -73.965+/-0.463 χ^2/NDF: 2908.4/95

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 118.700+/-0.069 χ^2/NDF: 96249.7/20

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 105.698+/-0.060 χ^2/NDF: 194947.8/26

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

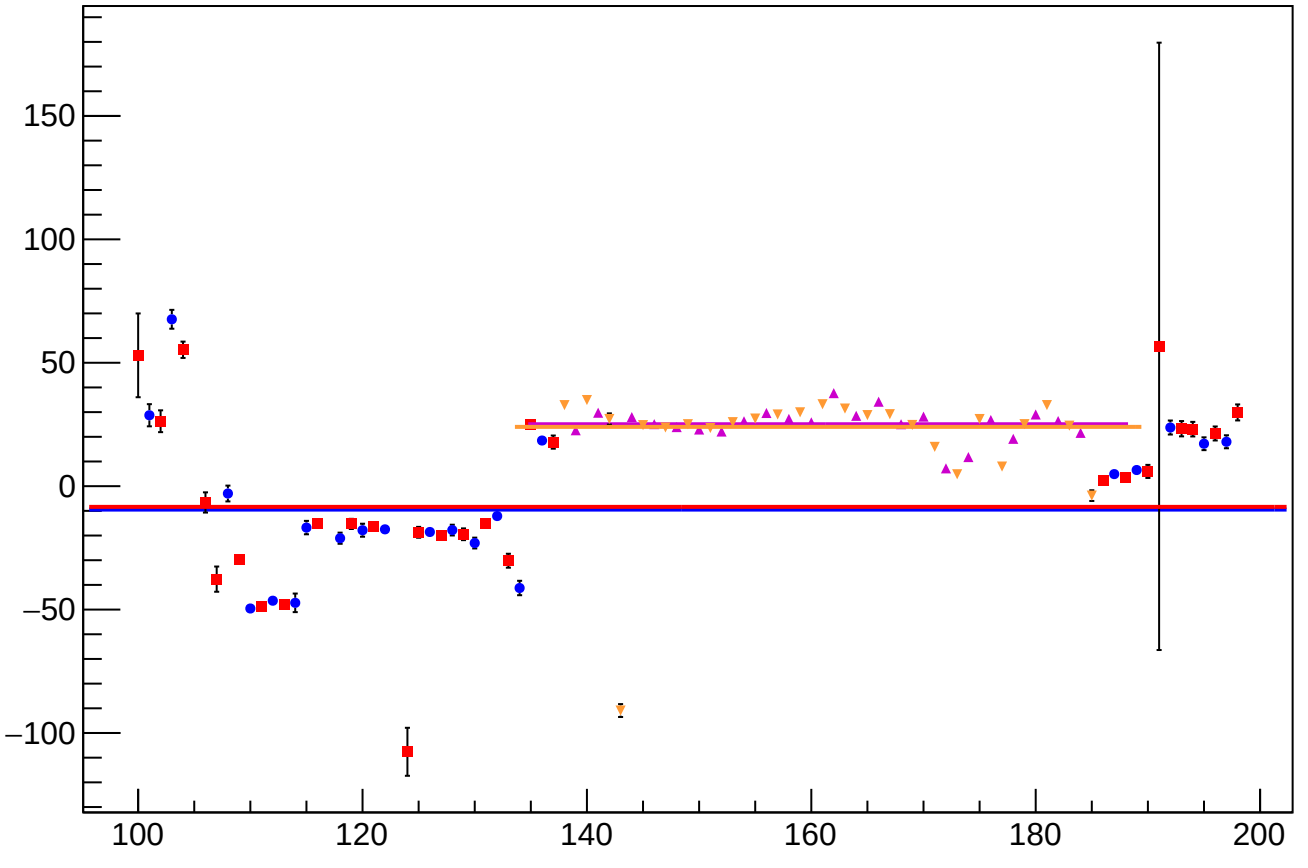
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 111.344+/-0.045 χ^2/NDF: 311408.6/47

In: 120.830+/-0.033 χ^2/NDF:126285.7/43

Out: 113.858+/-0.031 χ^2/NDF:423406.3/51

All: 117.127+/-0.022 χ^2/NDF: 573733.2/95



Right In: -9.487+/-0.476 χ^2/NDF: 2726.0/20

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -8.386+/-0.420 χ^2/NDF: 3140.9/26

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

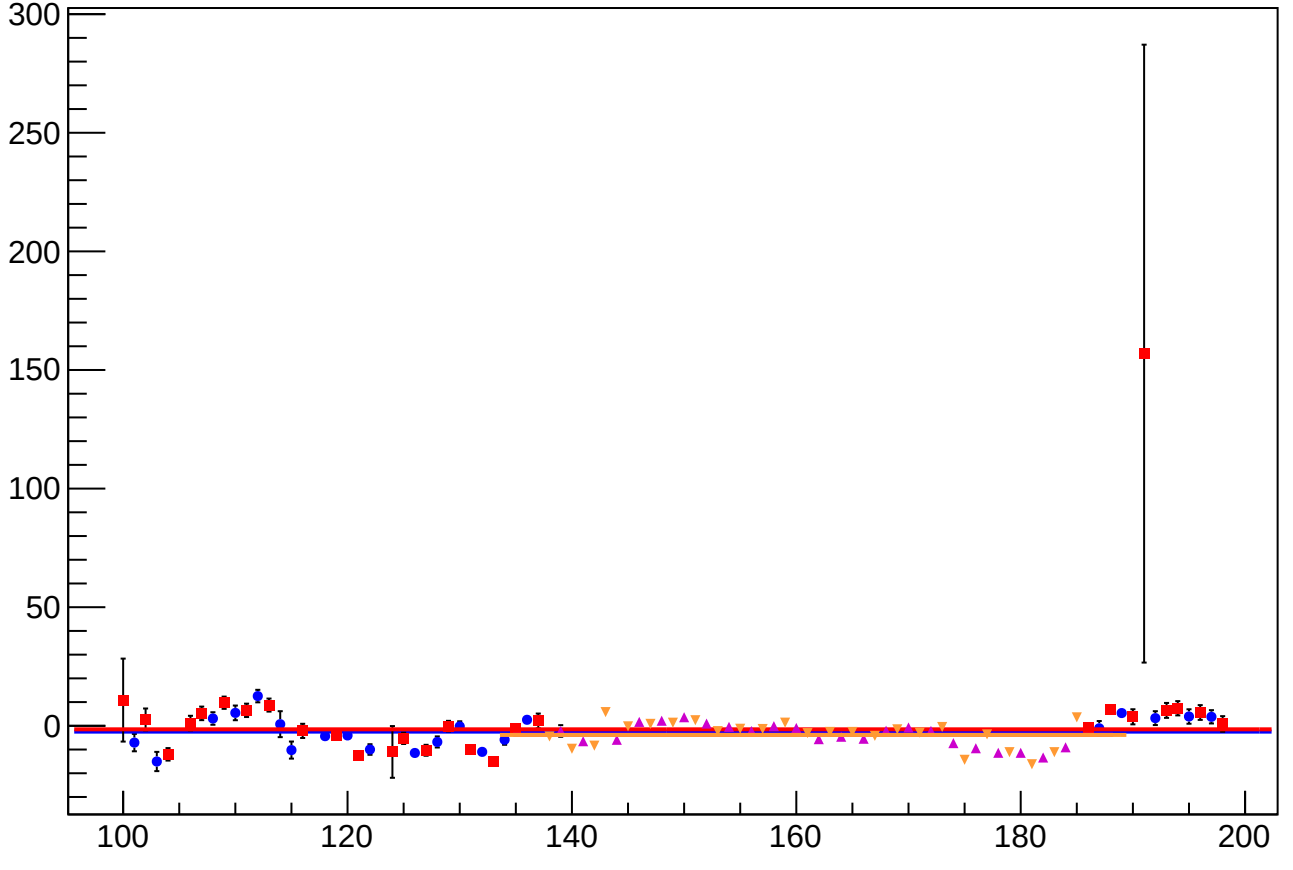
Right: -8.868+/-0.315 χ^2/NDF: 5870.0/47

In: 15.860+/-0.246 χ^2/NDF:7089.7/43

Out: 13.948+/-0.234 χ^2/NDF:10049.9/51

All: 14.857+/-0.170 χ^2/NDF: 17171.4/95

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.448+/-0.502 χ^2/NDF: 155.9/20

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -1.478+/-0.471 χ^2/NDF: 235.1/26

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

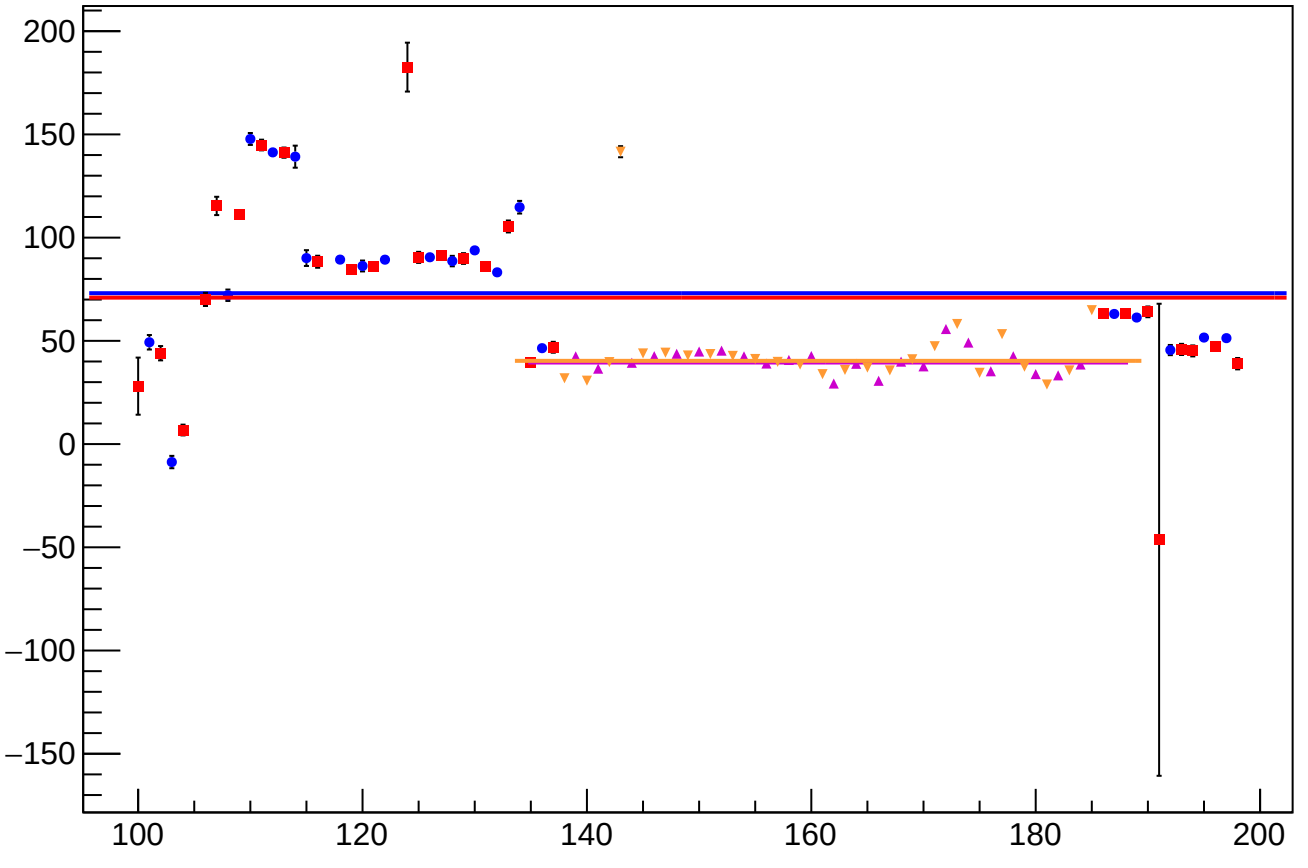
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: -1.932+/-0.343 χ^2/NDF: 393.0/47

In: -3.560+/-0.204 χ^2/NDF:671.6/43

Out: -3.427+/-0.198 χ^2/NDF:905.3/51

All: -3.491+/-0.142 χ^2/NDF: 1577.1/95



Right In: 73.080+/-0.495 χ^2/NDF: 3821.4/20

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 70.941+/-0.418 χ^2/NDF: 4218.2/26

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

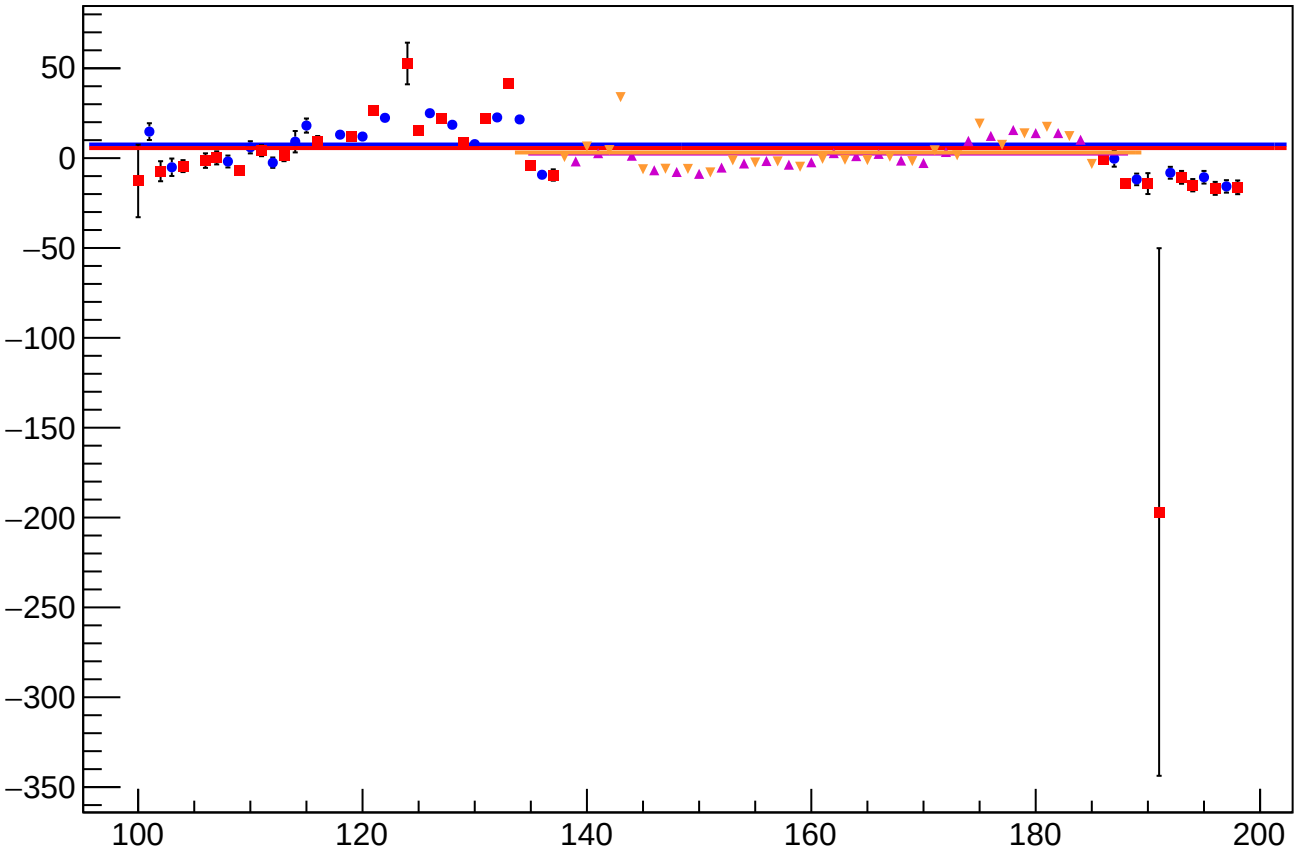
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 71.831+/-0.319 χ^2/NDF: 8050.5/47

In: 47.850+/-0.247 χ^2/NDF:7710.2/43

Out: 49.808+/-0.233 χ^2/NDF:10105.2/51

All: 48.886+/-0.169 χ^2/NDF: 17848.7/95



Right In: 7.572+/-0.582 χ^2/NDF: 513.8/20

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 5.587+/-0.561 χ^2/NDF: 757.8/26

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

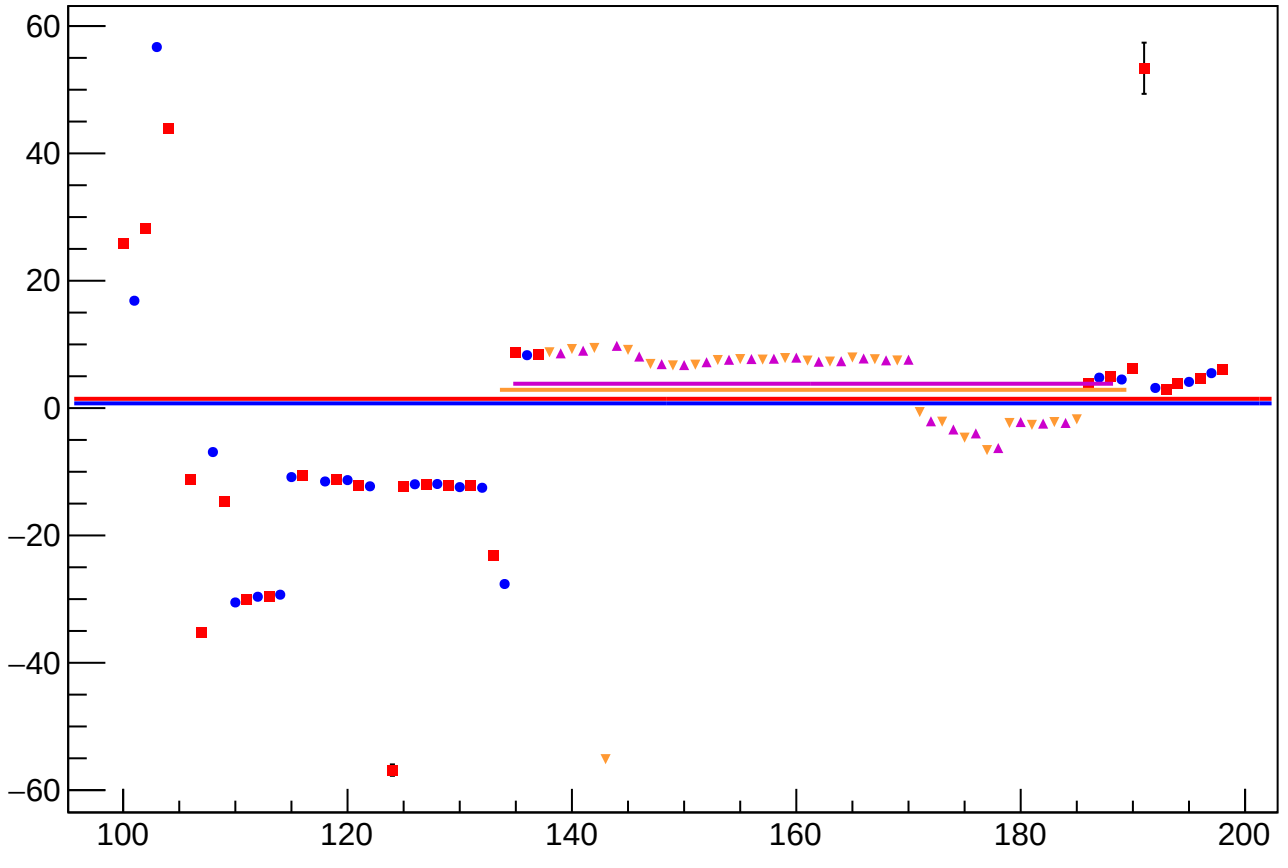
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 6.543+/-0.404 χ^2/NDF: 1277.6/47

In: 3.311+/-0.231 χ^2/NDF:1545.5/43

Out: 3.535+/-0.225 χ^2/NDF:2040.7/51

All: 3.425+/-0.161 χ^2/NDF: 3586.7/95



Right In: 0.744+/-0.030 χ^2/NDF: 374011.5/20

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 1.457+/-0.029 χ^2/NDF: 324774.5/26

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

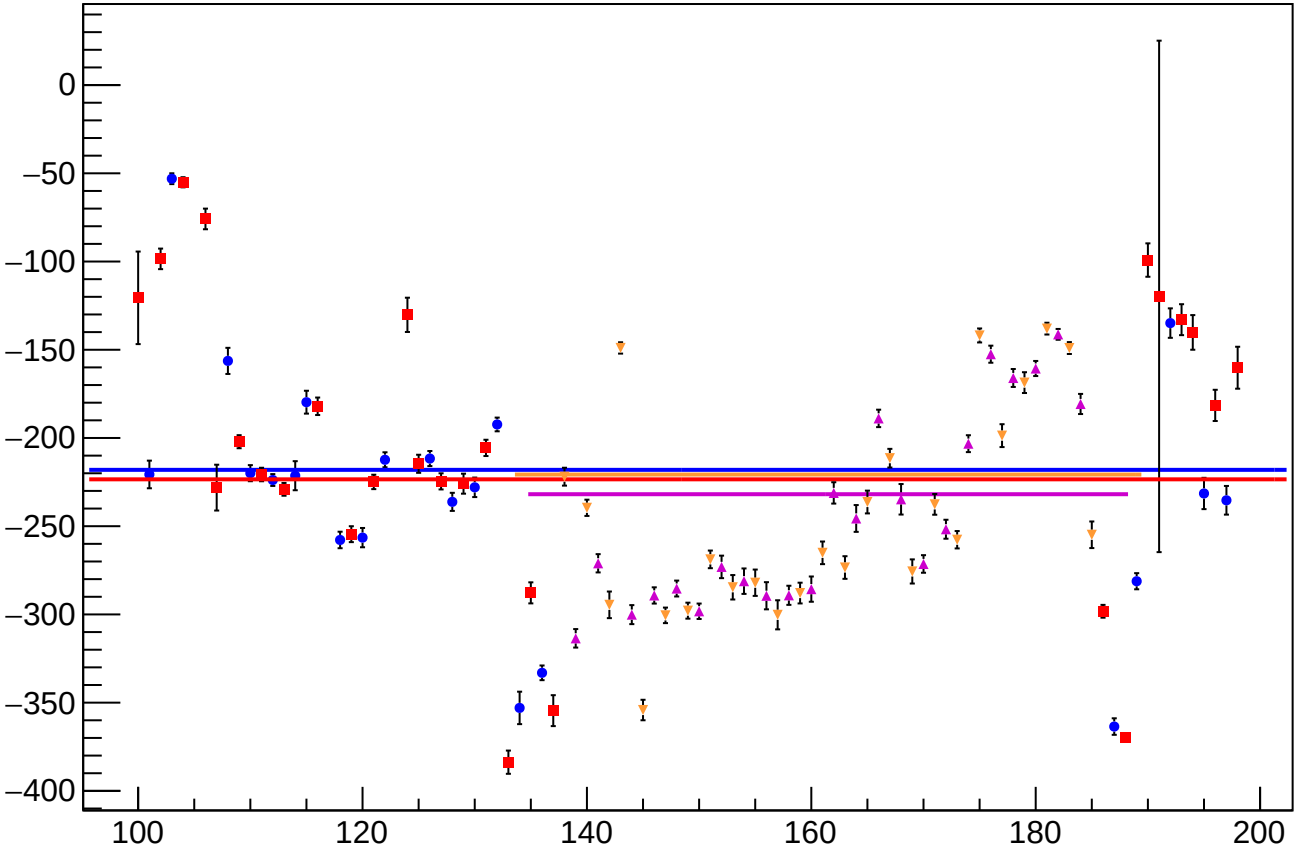
Right: 1.116+/-0.021 χ^2/NDF: 699079.5/47

In: 3.456+/-0.010 χ^2/NDF:616476.6/43

Out: 2.690+/-0.010 χ^2/NDF:839208.0/51

All: 3.067+/-0.007 χ^2/NDF: 1458422.1/95

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -218.059+/-1.086 χ^2/NDF: 5428.6/20

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -223.439+/-0.960 χ^2/NDF: 9988.3/26

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

Left: -225.984+/-0.740 χ^2/NDF: 7269.1/47

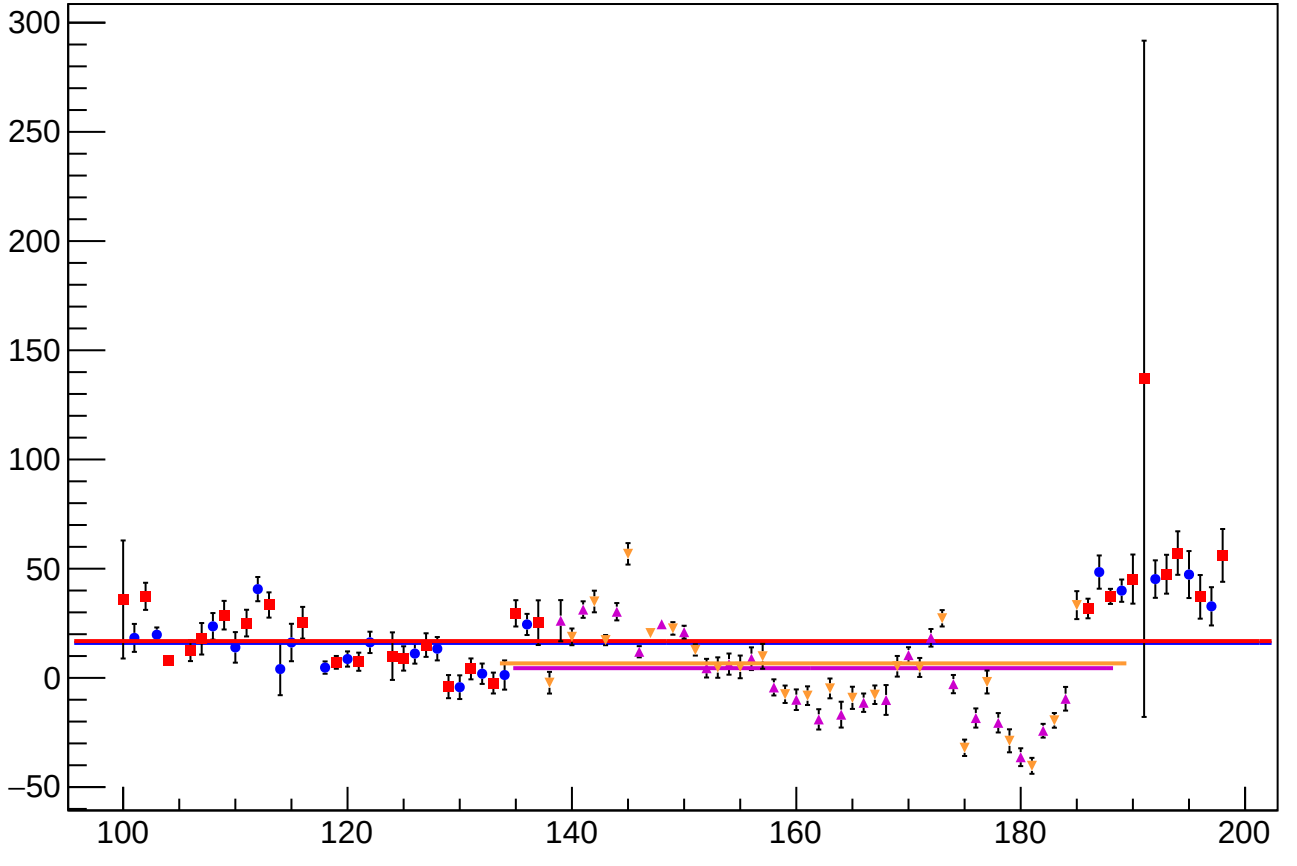
Right: -221.078+/-0.719 χ^2/NDF: 15430.7/47

In: -225.022+/-0.765 χ^2/NDF:8670.5/43

Out: -222.160+/-0.699 χ^2/NDF:14044.3/51

All: -223.462+/-0.516 χ^2/NDF: 22722.5/95

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.014+/-1.131 χ^2/NDF: 140.5/20

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

Right Out: 16.846+/-1.012 χ^2/NDF: 200.5/26

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

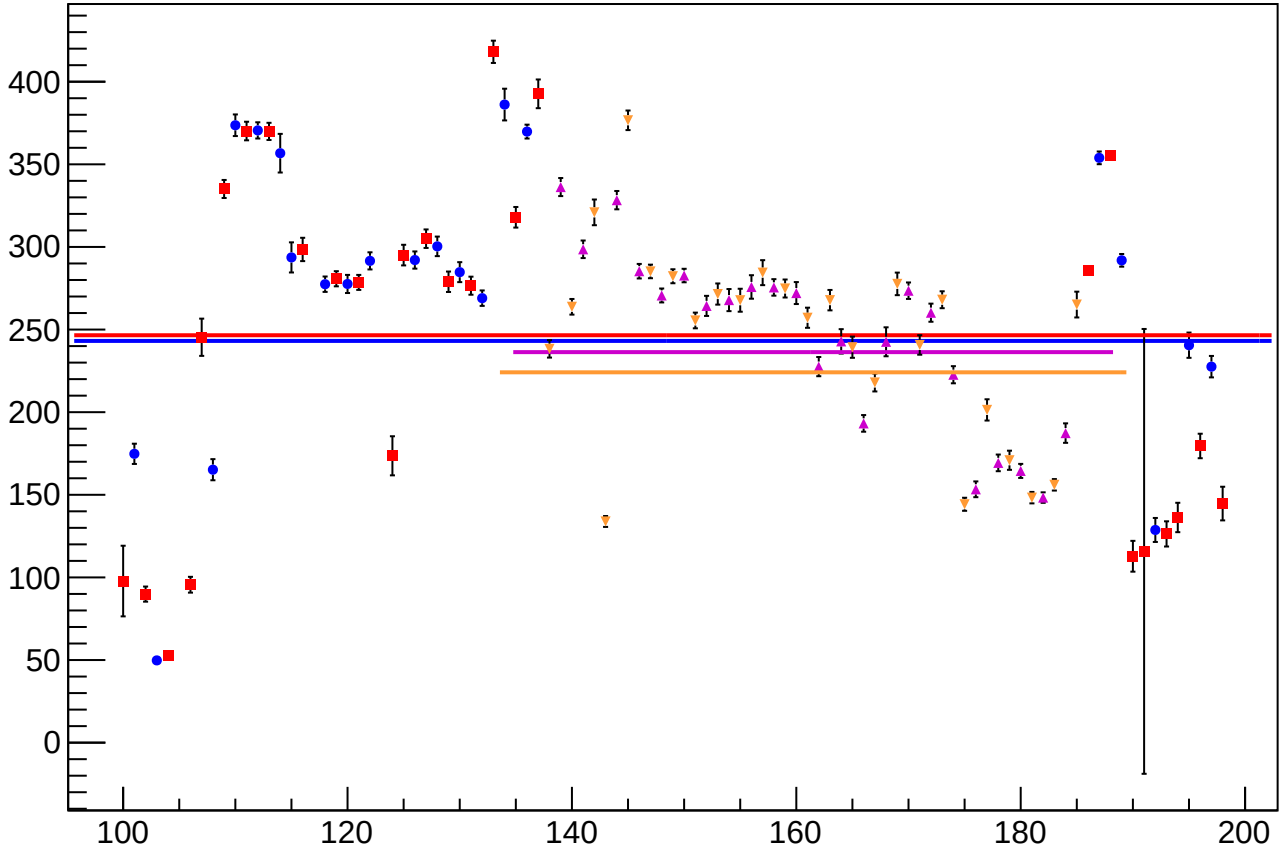
Right: 16.475+/-0.754 χ^2/NDF: 341.3/47

In: 8.351+/-0.657 χ^2/NDF:776.9/43

Out: 10.274+/-0.604 χ^2/NDF:1000.9/51

All: 9.393+/-0.445 χ^2/NDF: 1782.4/95

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 243.128+/-1.101 χ^2/NDF: 10727.4/20

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 246.556+/-0.938 χ^2/NDF: 16241.2/26

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

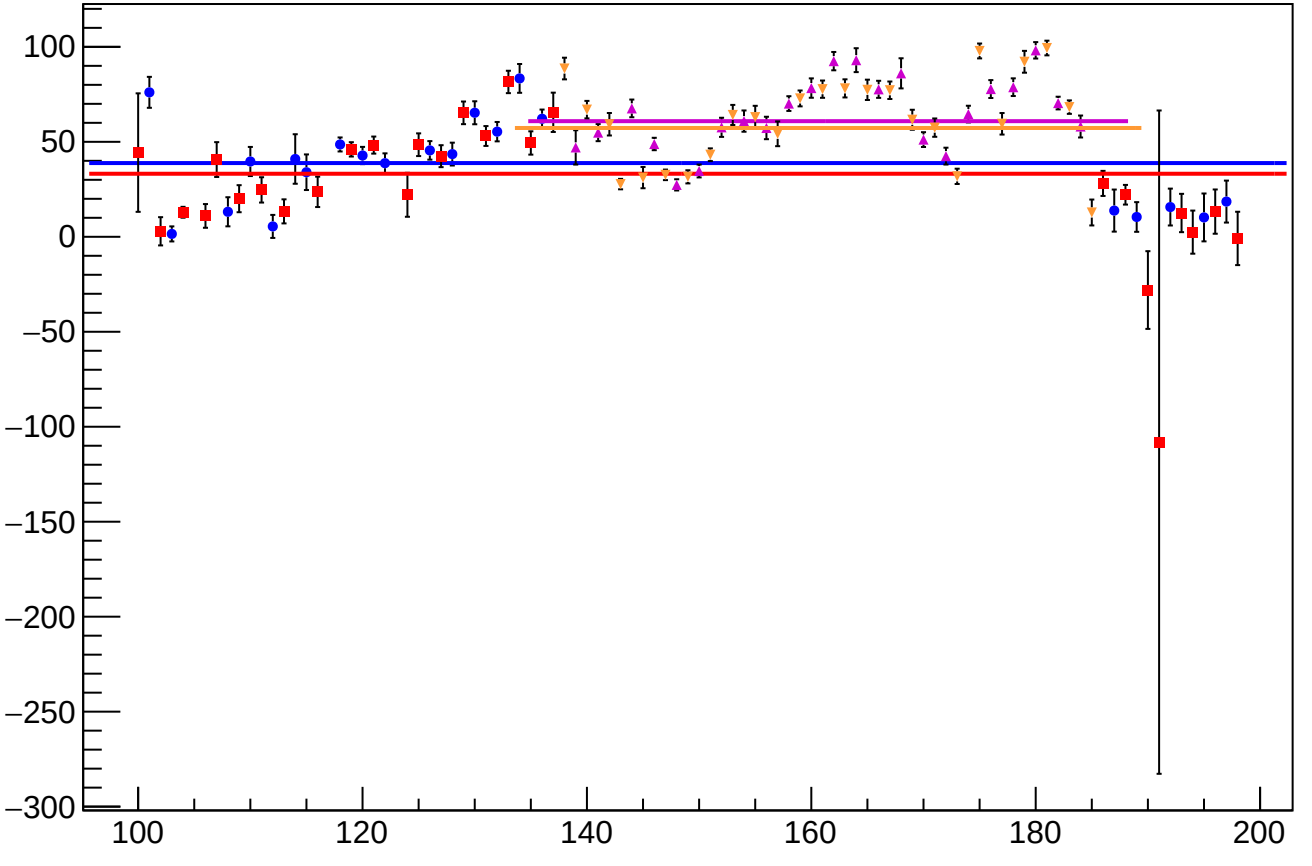
Right: 245.114+/-0.714 χ^2/NDF: 26974.3/47

In: 239.628+/-0.766 χ^2/NDF:13740.0/43

Out: 236.207+/-0.688 χ^2/NDF:20471.7/51

All: 237.736+/-0.512 χ^2/NDF: 34222.7/95

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 38.818+/-1.334 χ^2/NDF: 281.4/20

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

Right Out: 33.193+/-1.222 χ^2/NDF: 291.9/26

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

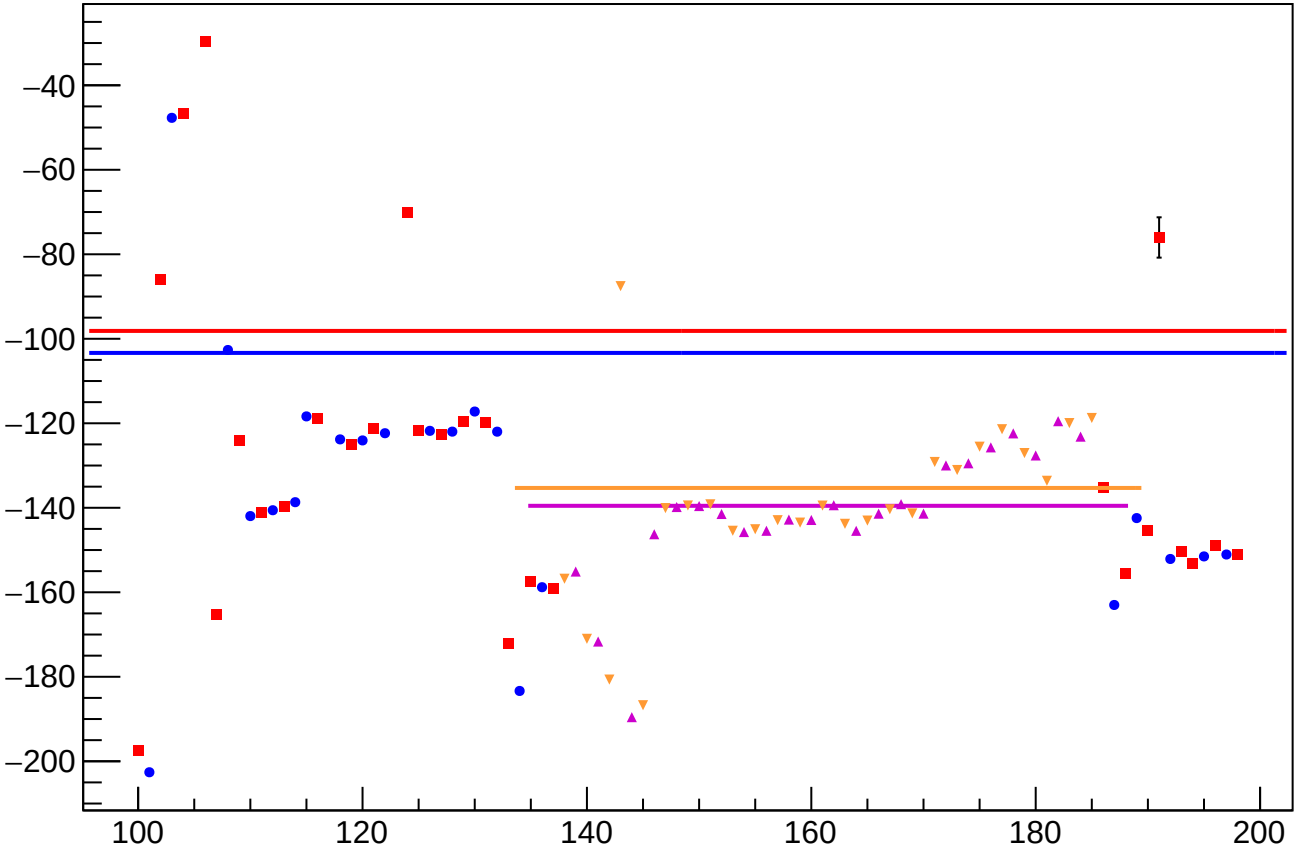
Right: 35.759+/-0.901 χ^2/NDF: 583.0/47

In: 53.742+/-0.759 χ^2/NDF:921.0/43

Out: 49.211+/-0.708 χ^2/NDF:1318.1/51

All: 51.319+/-0.518 χ^2/NDF: 2258.2/95

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -103.345+/-0.064 χ^2/NDF: 610627.5/20

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -98.139+/-0.060 χ^2/NDF: 664065.6/26

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

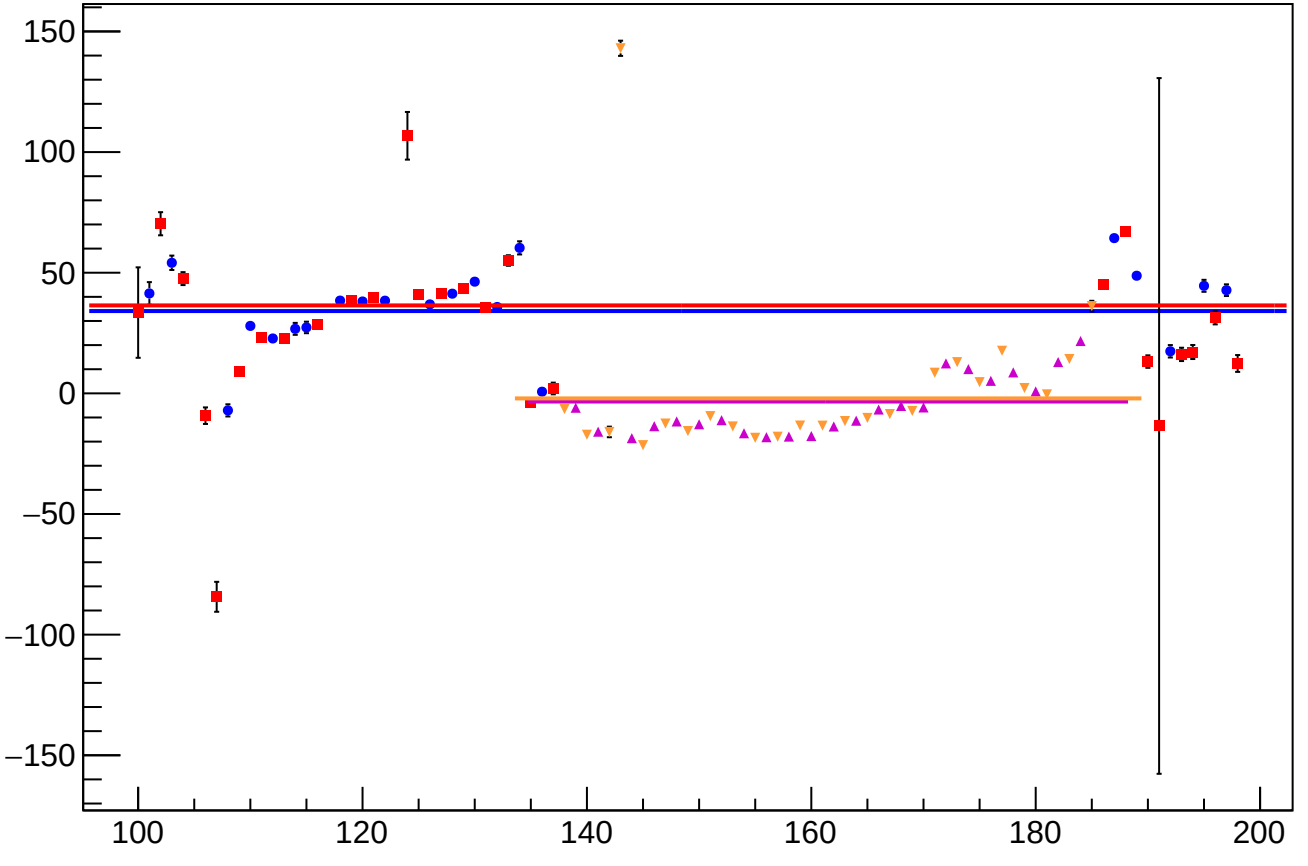
Right: -100.571+/-0.044 χ^2/NDF: 1278187.4/47

In: -128.666+/-0.035 χ^2/NDF:946874.7/43

Out: -123.693+/-0.034 χ^2/NDF:1189067.0/51

All: -126.066+/-0.024 χ^2/NDF: 2146364.4/95

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 34.109+/-0.373 χ^2/NDF: 2223.8/20

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 36.453+/-0.320 χ^2/NDF: 4536.4/26

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

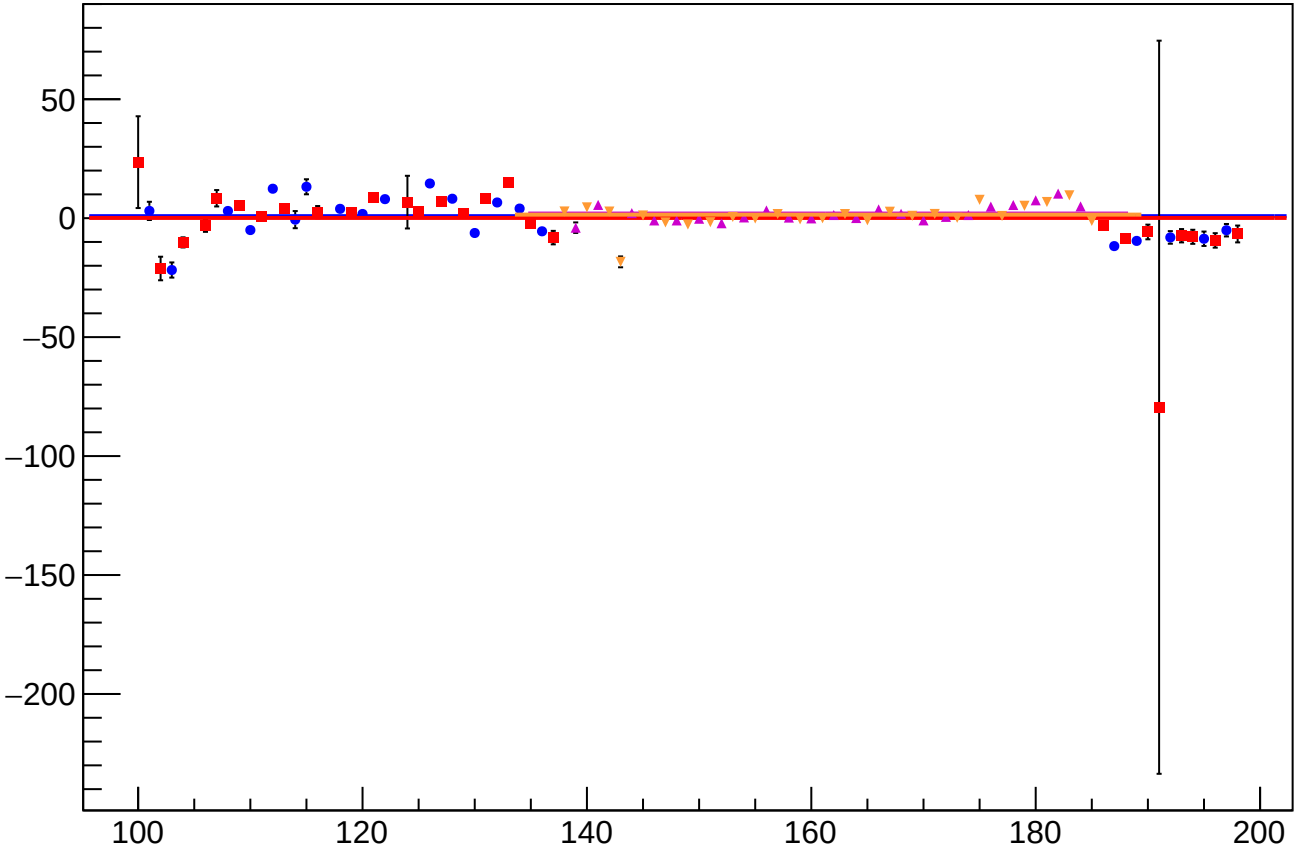
Right: 35.457+/-0.243 χ^2/NDF: 6782.9/47

In: 9.590+/-0.219 χ^2/NDF:10590.9/43

Out: 13.689+/-0.205 χ^2/NDF:17284.5/51

All: 11.778+/-0.150 χ^2/NDF: 28061.8/95

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.839+/-0.403 χ^2/NDF: 381.7/20

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: 0.103+/-0.370 χ^2/NDF: 348.5/26

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

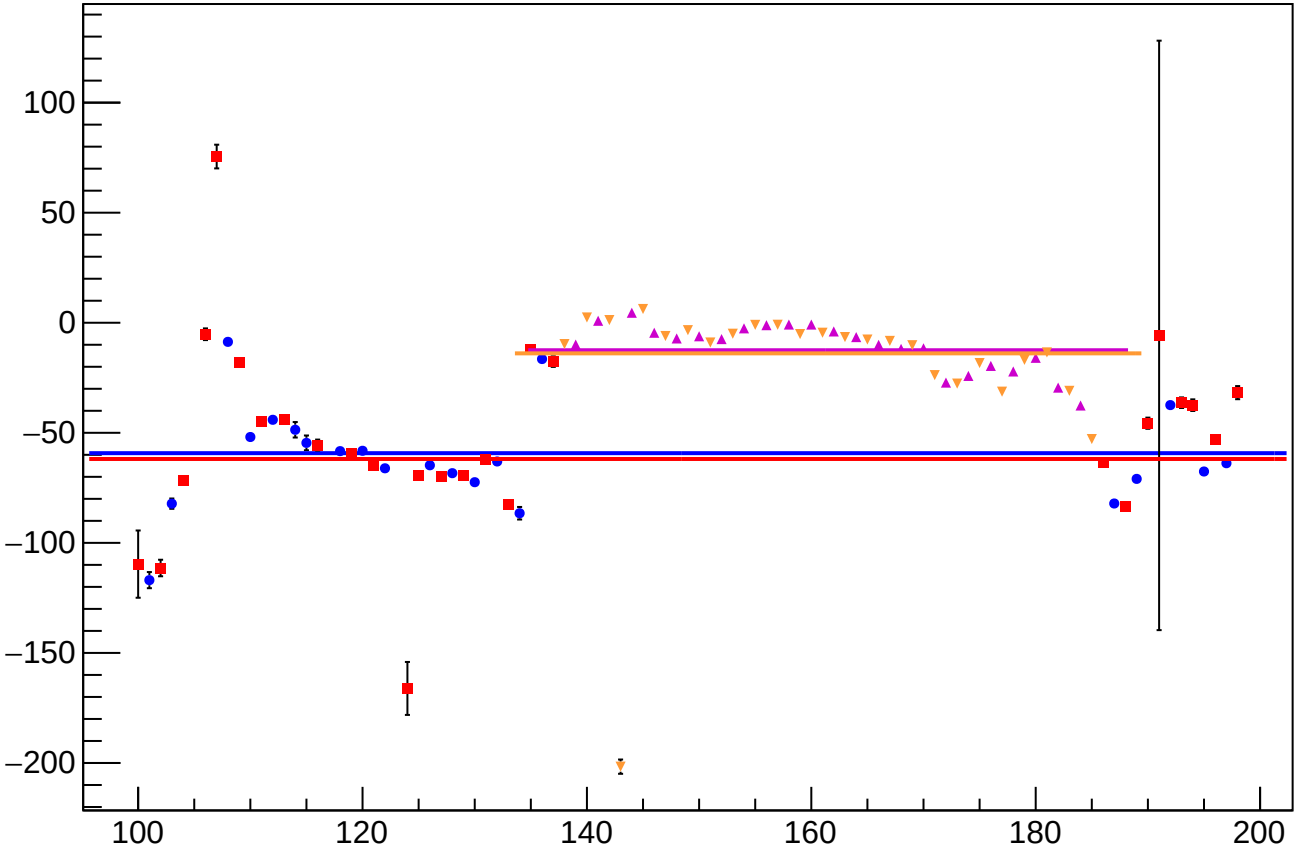
Right: 0.440+/-0.272 χ^2/NDF: 732.0/47

In: 1.698+/-0.186 χ^2/NDF:628.2/43

Out: 1.163+/-0.179 χ^2/NDF:687.8/51

All: 1.420+/-0.129 χ^2/NDF: 1320.3/95

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.252+/-0.390 χ^2/NDF: 3220.2/20

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -61.889+/-0.316 χ^2/NDF: 5307.7/26

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

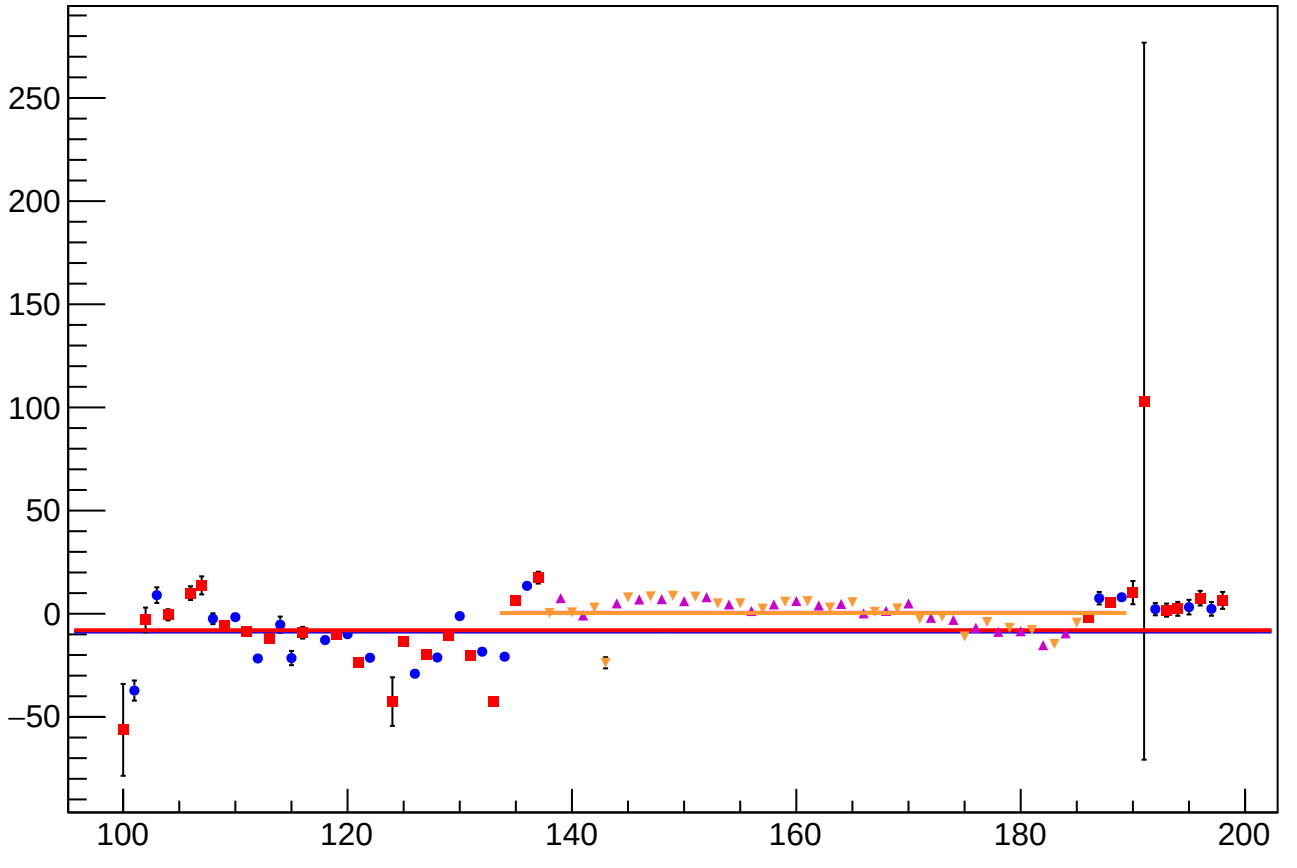
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

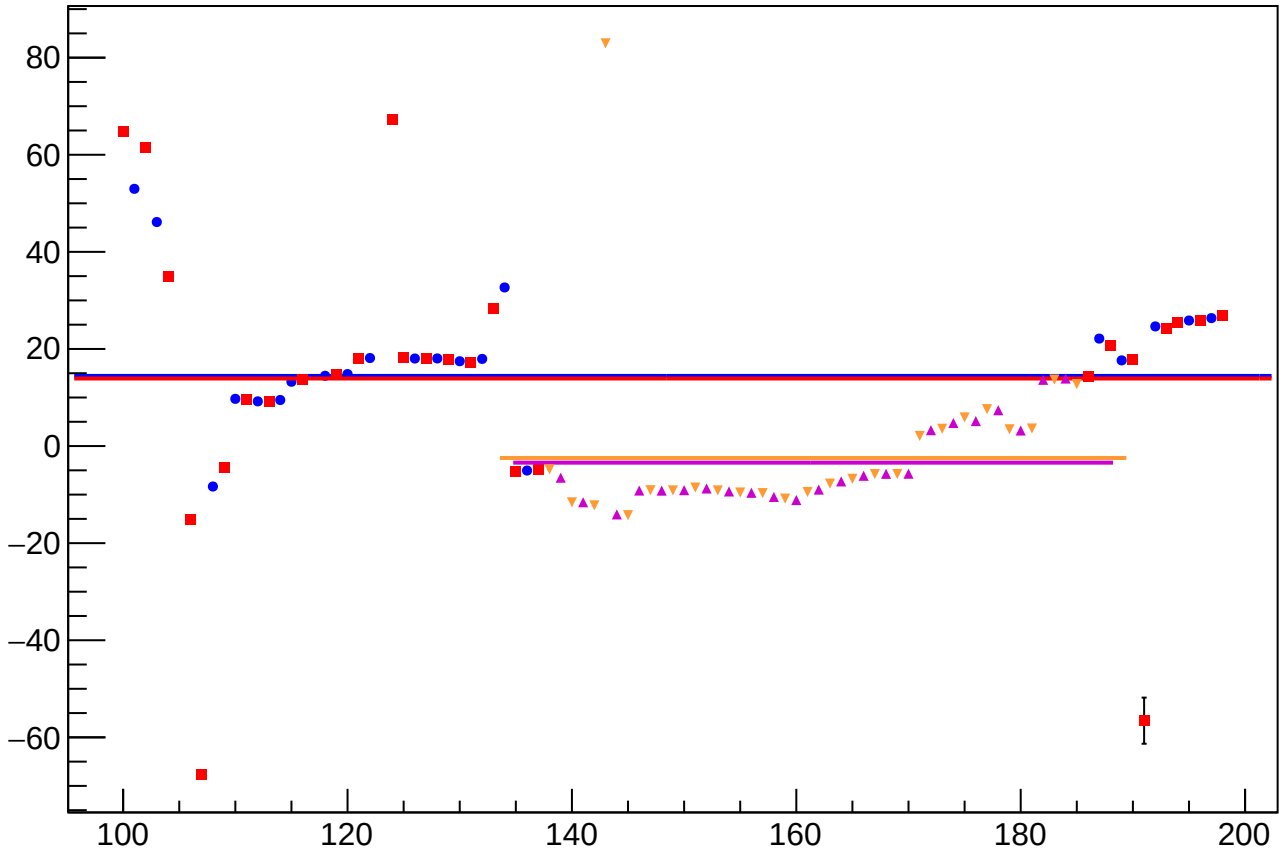
Right: -60.843+/-0.246 χ^2/NDF: 8555.6/47

In: -27.546+/-0.221 χ^2/NDF:14398.7/43

Out: -33.670+/-0.203 χ^2/NDF:23968.5/51

All: -30.871+/-0.150 χ^2/NDF: 38783.2/95


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
250
200
150
100
50
0
−50
100
120
140
160
180
200
Right In: -8.629+/-0.472 χ²/NDF: 798.0/20
Left Out: 0.345+/-0.231 χ²/NDF:921.9/24
Right Out: -8.003+/-0.448 χ²/NDF: 864.9/26
Left In: 0.433+/-0.237 χ²/NDF:782.1/22
Left: 0.388+/-0.165 χ²/NDF: 1704.0/47
Right: -8.300+/-0.325 χ²/NDF: 1663.8/47
In: -1.388+/-0.212 χ²/NDF:1874.8/43
Out: -1.413+/-0.206 χ²/NDF:2060.9/51
All: -1.401+/-0.147 χ²/NDF: 3935.7/95



Right In: 14.440+/-0.026 χ^2/NDF: 396615.2/20

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 13.914+/-0.025 χ^2/NDF: 518739.4/26

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

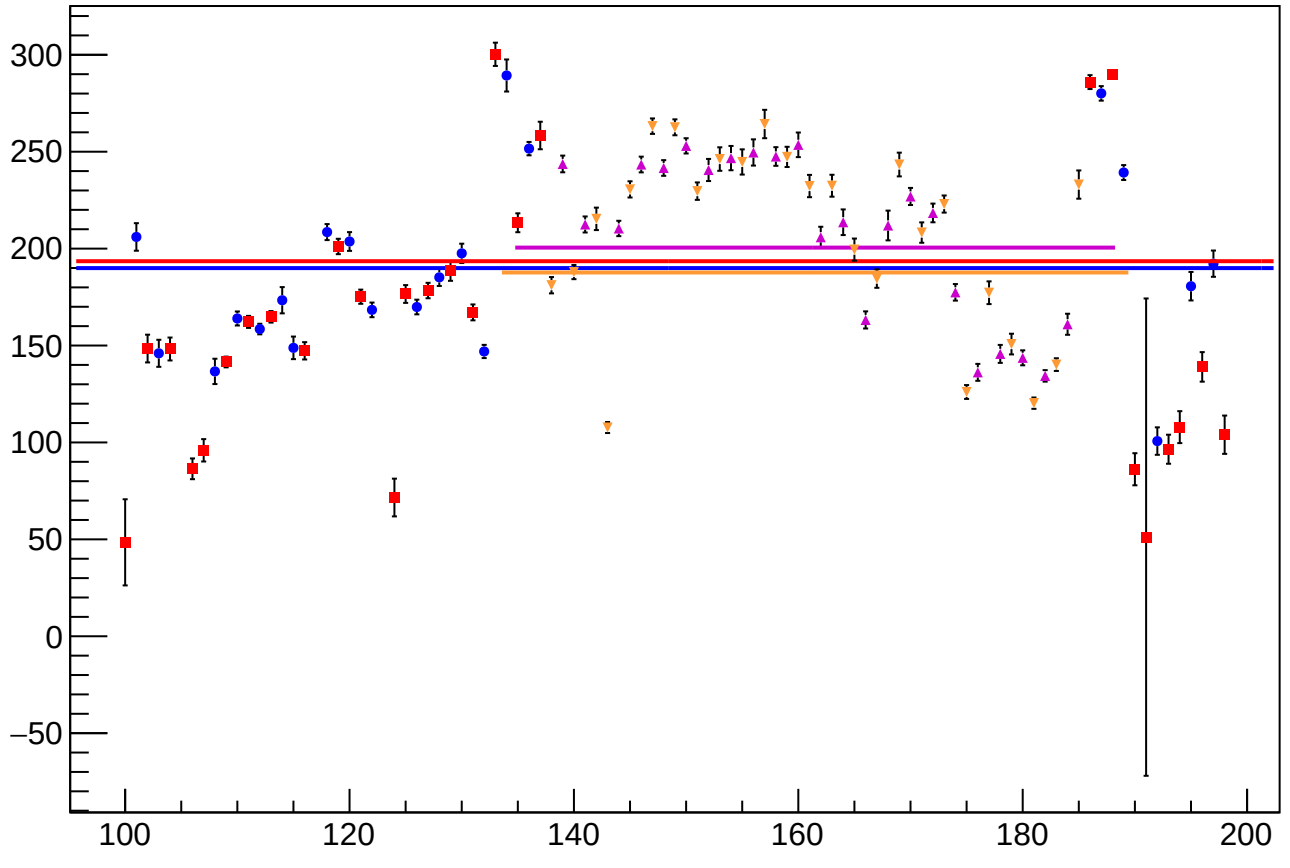
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 14.166+/-0.018 χ^2/NDF: 915572.0/47

In: -0.895+/-0.010 χ^2/NDF:1356752.5/43

Out: -0.008+/-0.010 χ^2/NDF:1853768.9/51

All: -0.446+/-0.007 χ^2/NDF: 3214781.3/95



Right In: 189.951+/-0.980 χ^2/NDF: 1969.5/20

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 193.510+/-0.855 χ^2/NDF: 5760.6/26

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

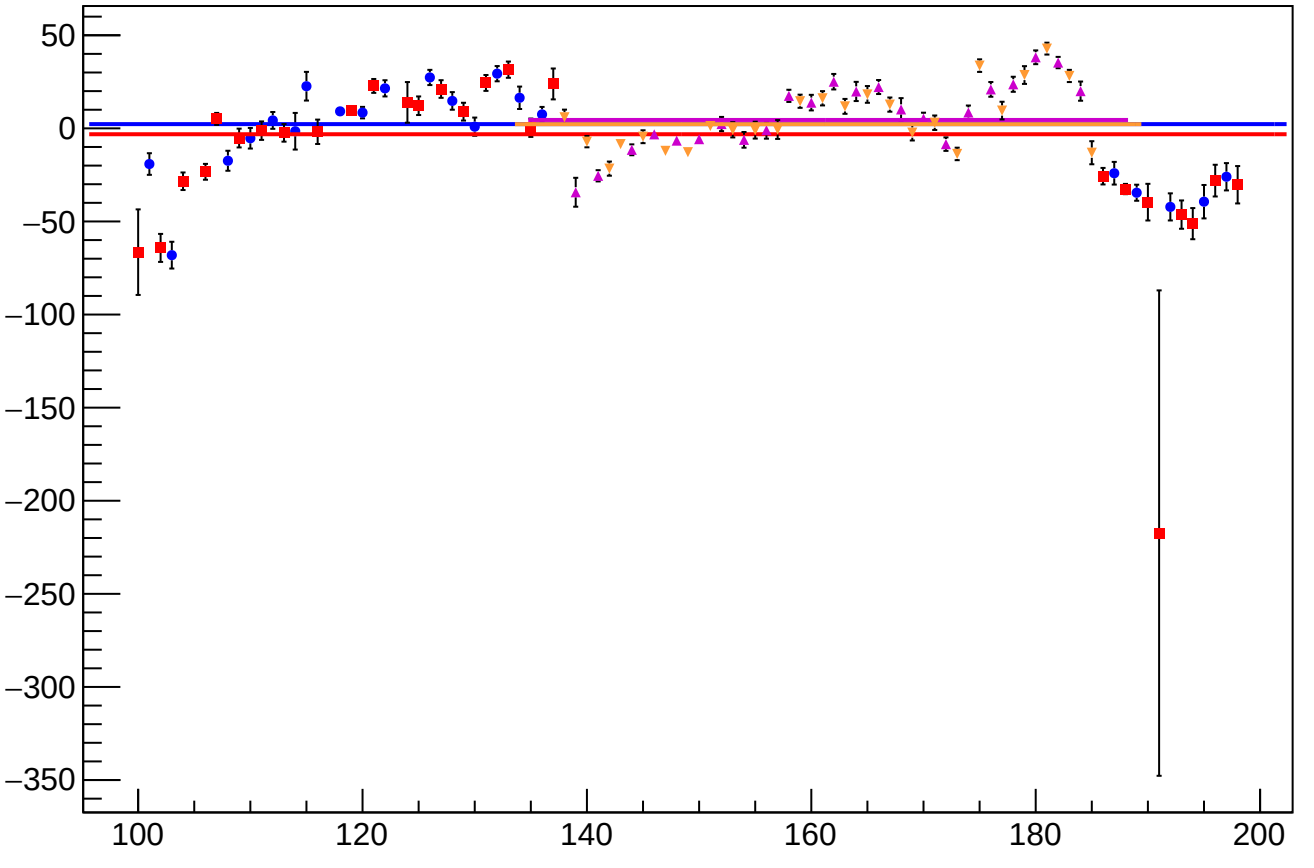
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 191.972+/-0.644 χ^2/NDF: 7737.6/47

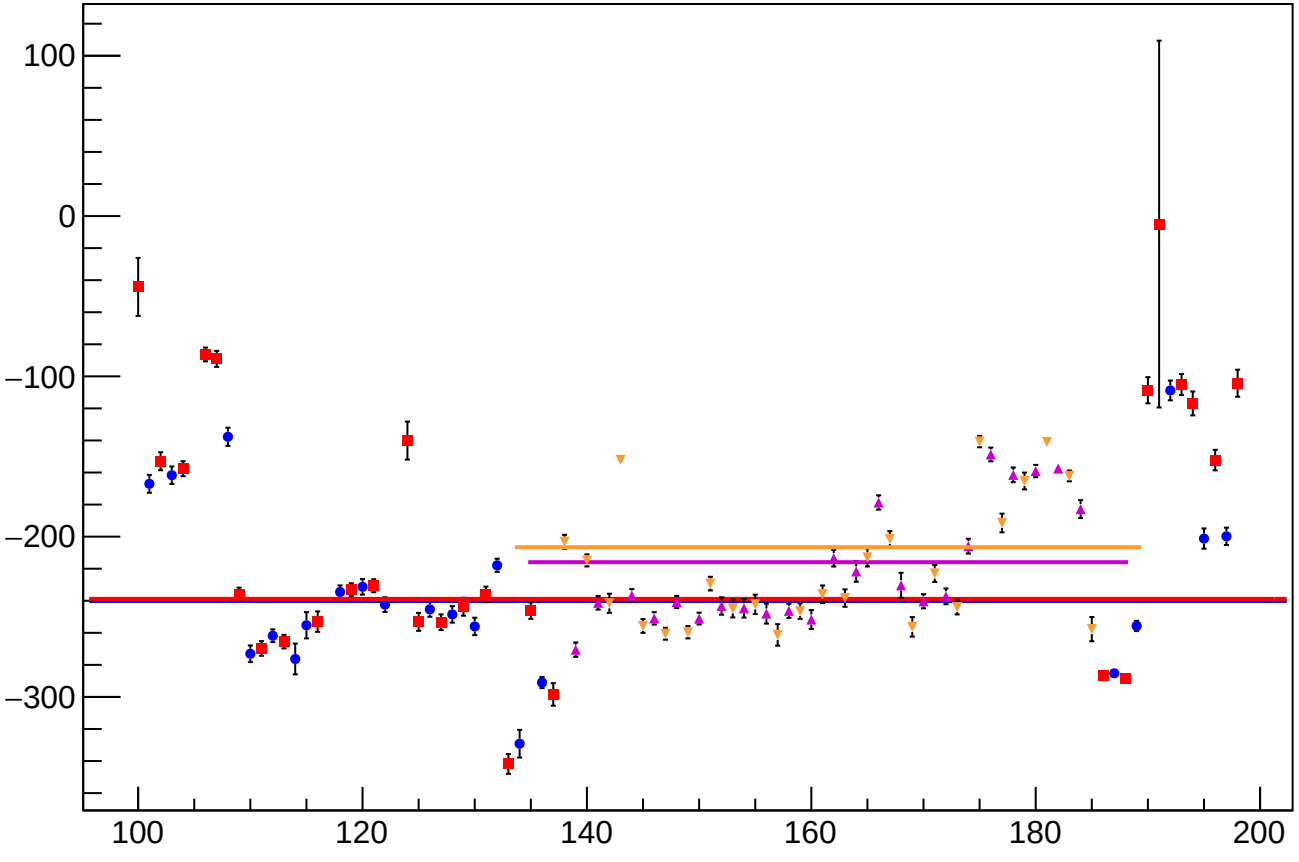
In: 195.372+/-0.684 χ^2/NDF:4140.6/43

Out: 190.737+/-0.619 χ^2/NDF:9311.0/51

All: 192.824+/-0.459 χ^2/NDF: 13476.9/95


reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
−300
−350
100
120
140
160
180
200
Right In: 2.276+/-1.033 χ²/NDF: 424.2/20
Left Out: 2.245+/-0.665 χ²/NDF:600.9/24
Right Out: -3.157+/-0.939 χ²/NDF: 602.6/26
Left In: 4.513+/-0.714 χ²/NDF:547.1/22
Left: 3.298+/-0.486 χ²/NDF: 1153.4/47
Right: -0.699+/-0.695 χ²/NDF: 1042.0/47
In: 3.789+/-0.587 χ²/NDF:974.5/43
Out: 0.442+/-0.542 χ²/NDF:1225.5/51
All: 1.983+/-0.399 χ²/NDF: 2217.6/95

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -240.172+/-1.035 χ^2/NDF: 1949.3/20

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -238.832+/-0.865 χ^2/NDF: 5982.0/26

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

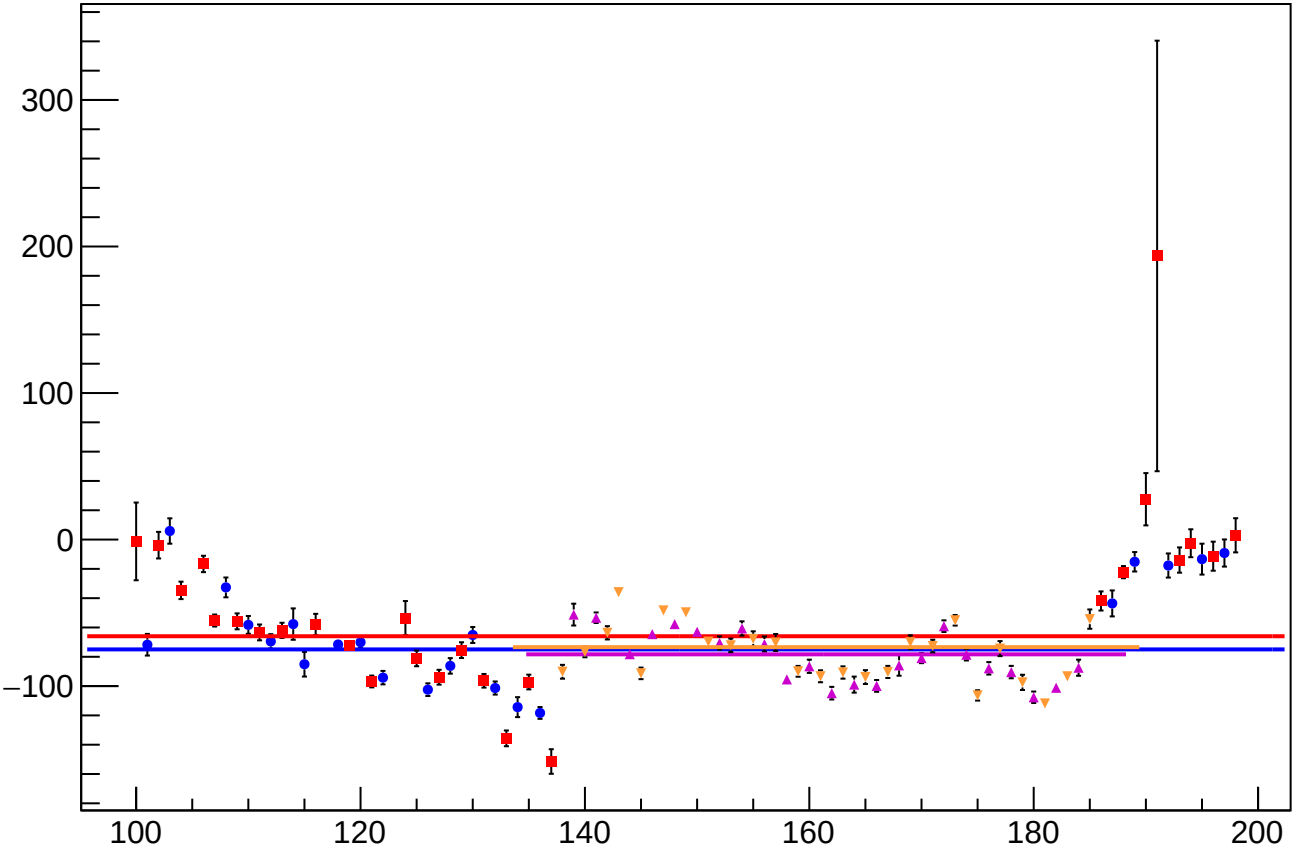
Right: -239.383+/-0.664 χ^2/NDF: 7932.2/47

In: -226.971+/-0.698 χ^2/NDF:3959.9/43

Out: -223.267+/-0.622 χ^2/NDF:9119.8/51

All: -224.905+/-0.464 χ^2/NDF: 13095.4/95

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -74.964+/-1.217 χ^2/NDF: 618.7/20

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -65.980+/-1.127 χ^2/NDF: 929.9/26

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

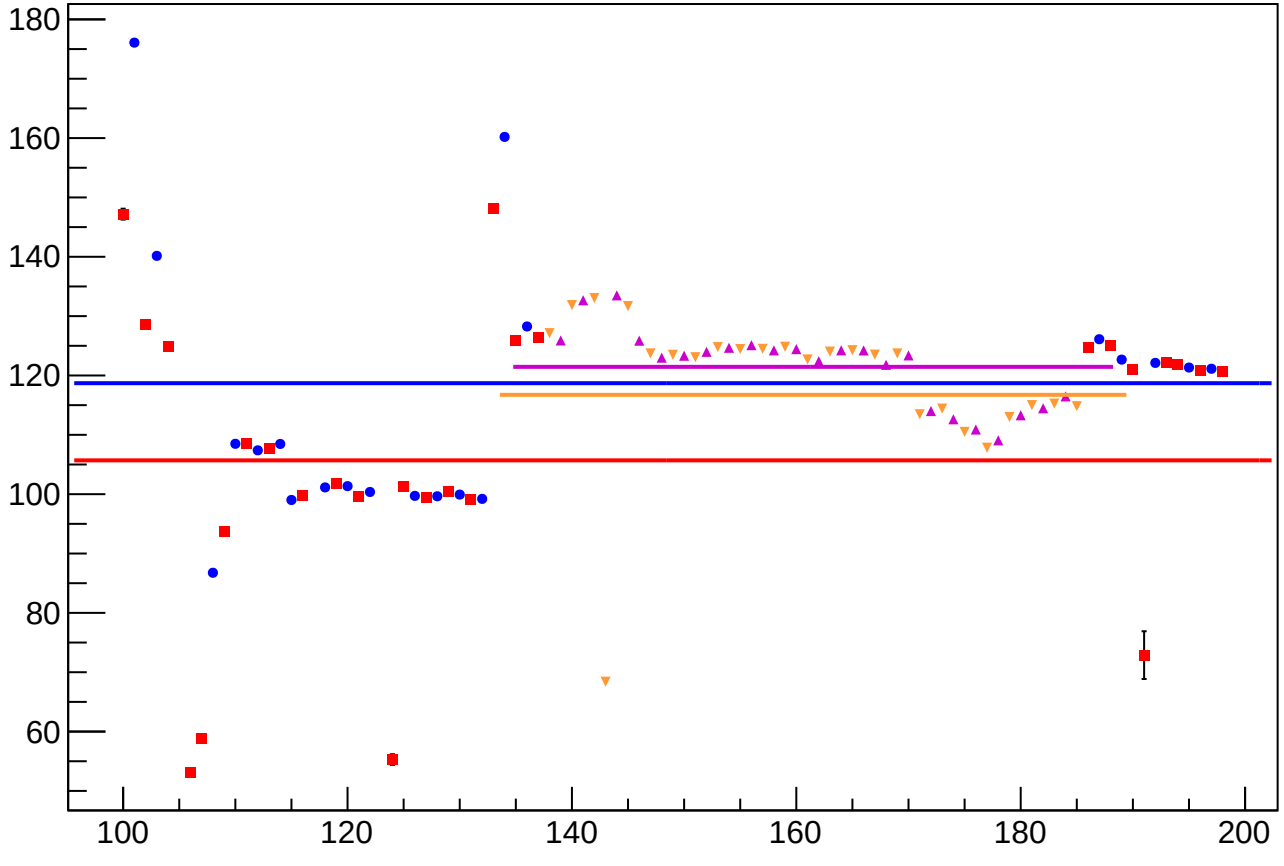
Right: -70.125+/-0.827 χ^2/NDF: 1578.0/47

In: -77.284+/-0.679 χ^2/NDF:1067.2/43

Out: -71.069+/-0.634 χ^2/NDF:1796.3/51

All: -73.965+/-0.463 χ^2/NDF: 2908.4/95

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 118.700+/-0.069 χ^2/NDF: 96249.7/20

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 105.698+/-0.060 χ^2/NDF: 194947.8/26

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

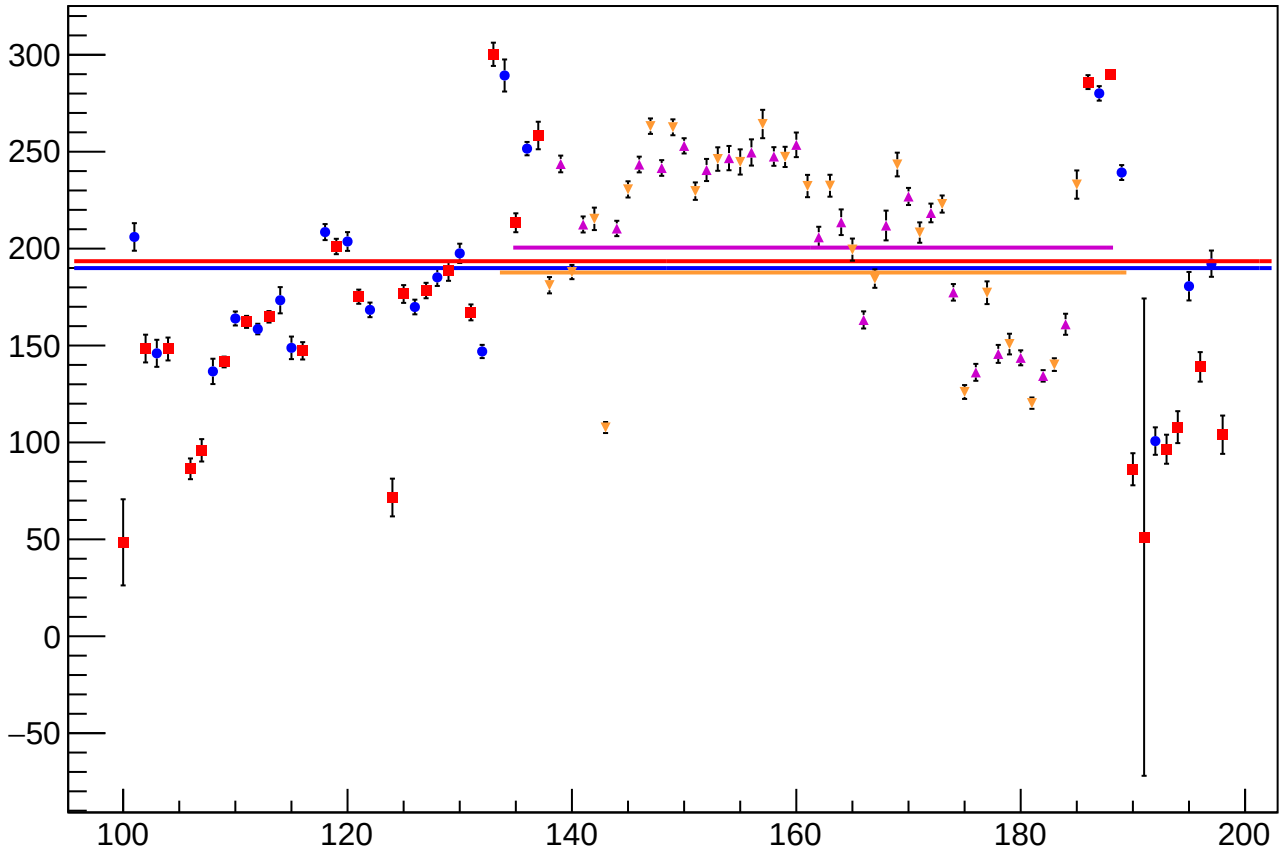
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 111.344+/-0.045 χ^2/NDF: 311408.6/47

In: 120.830+/-0.033 χ^2/NDF:126285.7/43

Out: 113.858+/-0.031 χ^2/NDF:423406.3/51

All: 117.127+/-0.022 χ^2/NDF: 573733.2/95



Right In: 189.951+/-0.980 χ^2/NDF: 1969.5/20

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 193.510+/-0.855 χ^2/NDF: 5760.6/26

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

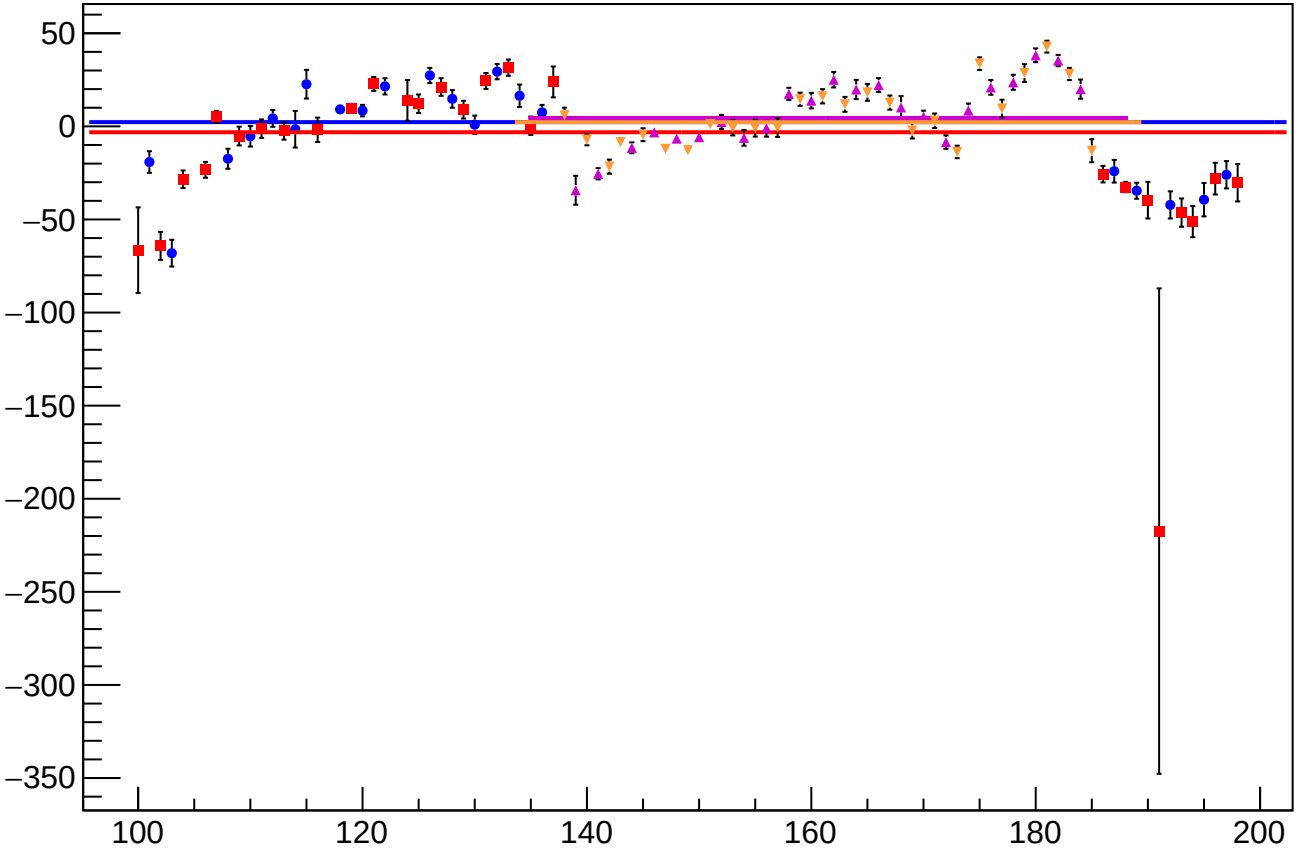
Right: 191.972+/-0.644 χ^2/NDF: 7737.6/47

In: 195.372+/-0.684 χ^2/NDF:4140.6/43

Out: 190.737+/-0.619 χ^2/NDF:9311.0/51

All: 192.824+/-0.459 χ^2/NDF: 13476.9/95

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.276+/-1.033 χ^2/NDF: 424.2/20

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -3.157+/-0.939 χ^2/NDF: 602.6/26

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

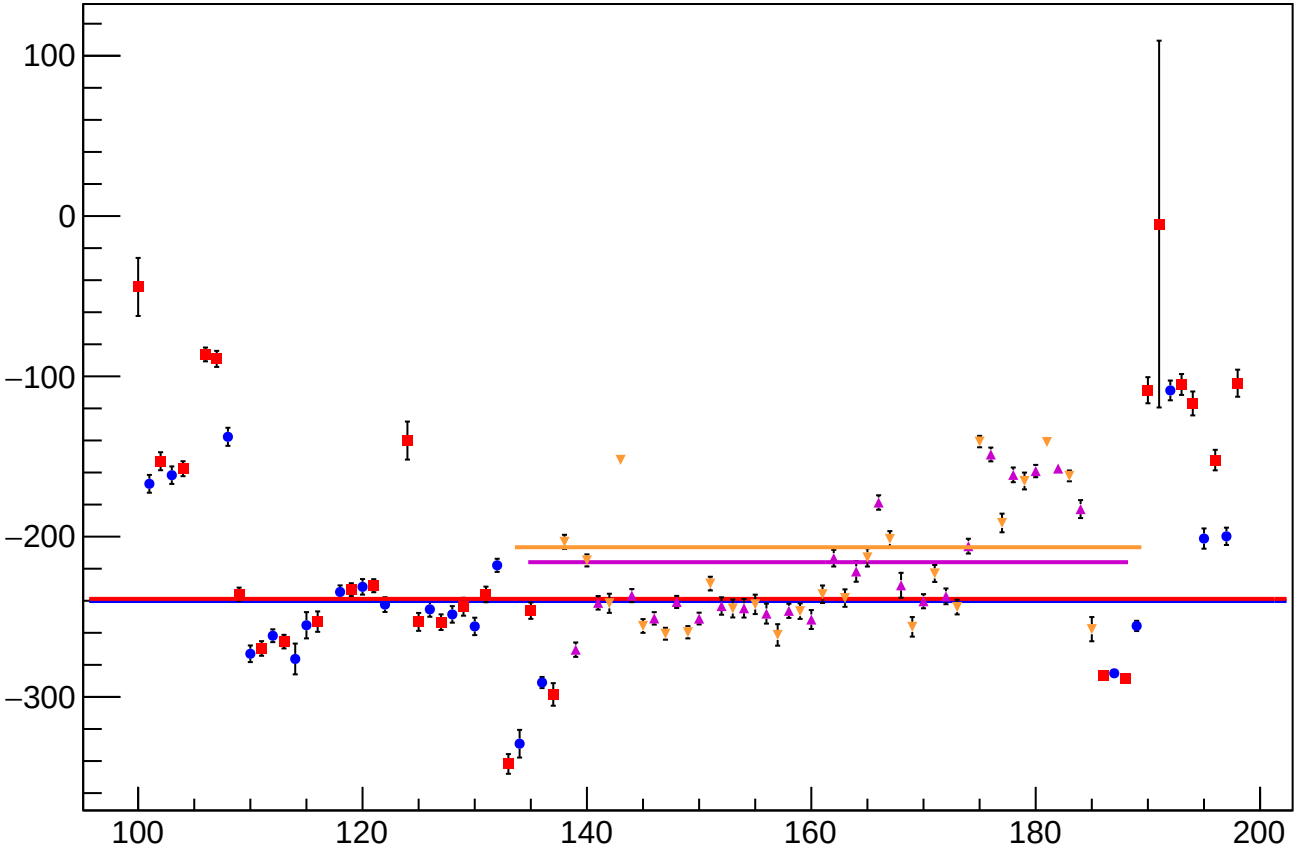
Right: -0.699+/-0.695 χ^2/NDF: 1042.0/47

In: 3.789+/-0.587 χ^2/NDF:974.5/43

Out: 0.442+/-0.542 χ^2/NDF:1225.5/51

All: 1.983+/-0.399 χ^2/NDF: 2217.6/95

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -240.172+/-1.035 χ^2/NDF: 1949.3/20

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -238.832+/-0.865 χ^2/NDF: 5982.0/26

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

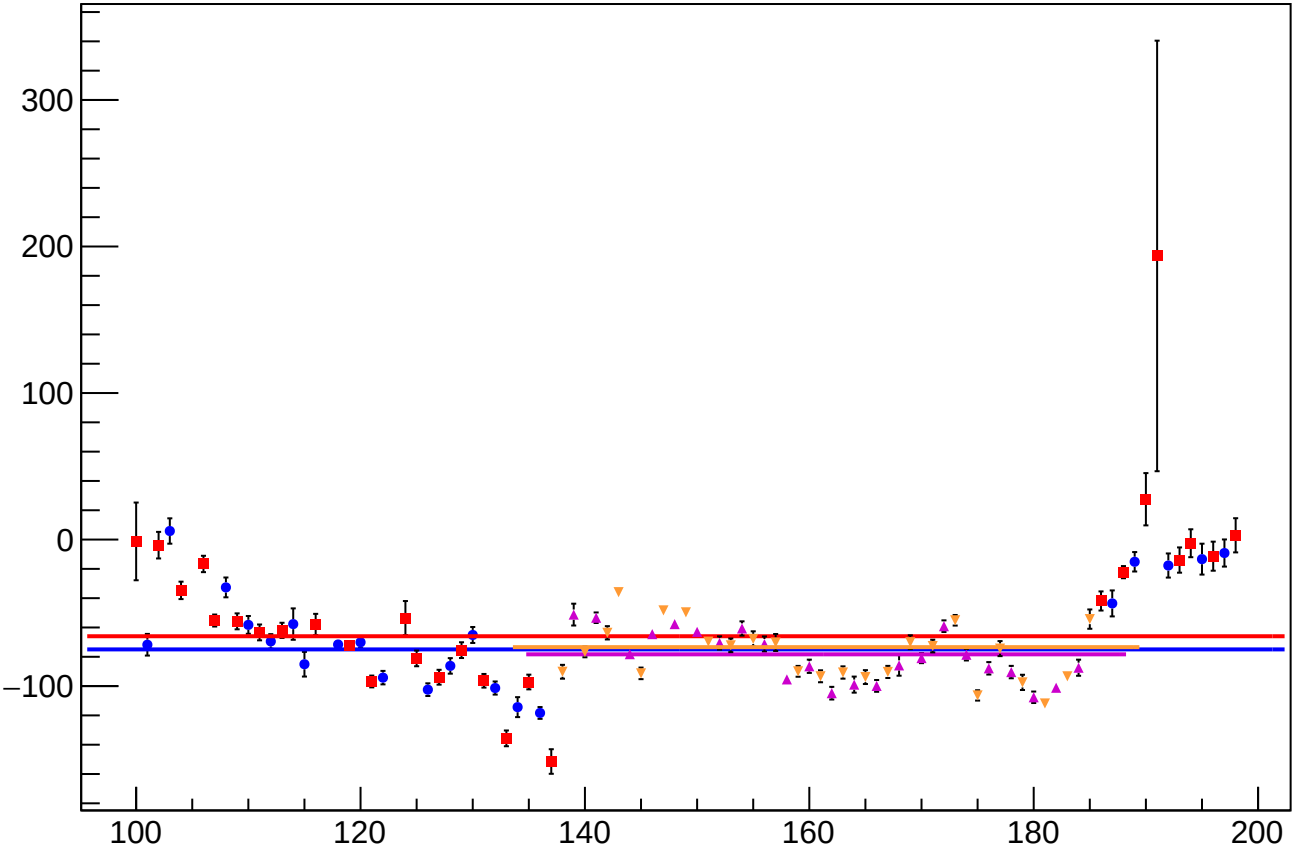
Right: -239.383+/-0.664 χ^2/NDF: 7932.2/47

In: -226.971+/-0.698 χ^2/NDF:3959.9/43

Out: -223.267+/-0.622 χ^2/NDF:9119.8/51

All: -224.905+/-0.464 χ^2/NDF: 13095.4/95

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -74.964+/-1.217 χ^2/NDF: 618.7/20

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -65.980+/-1.127 χ^2/NDF: 929.9/26

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

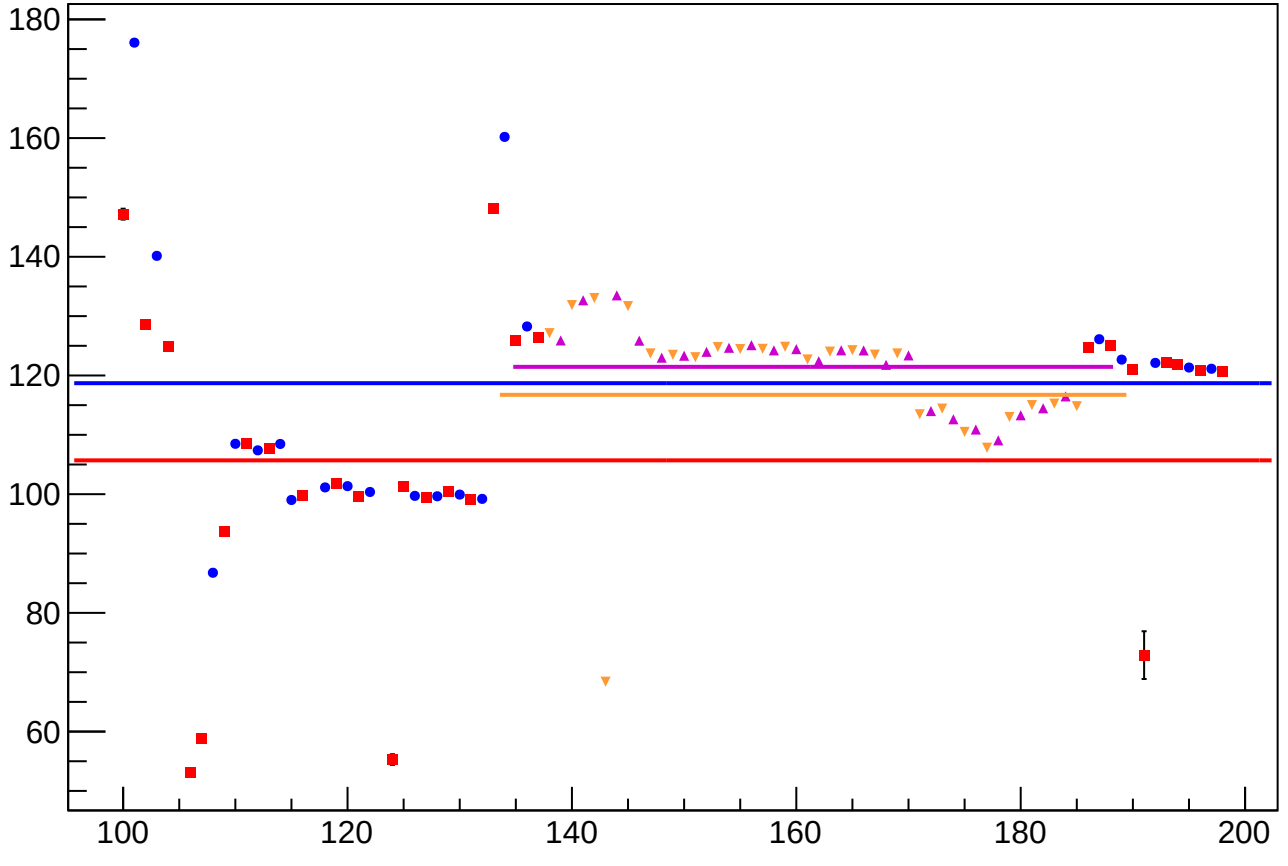
Right: -70.125+/-0.827 χ^2/NDF: 1578.0/47

In: -77.284+/-0.679 χ^2/NDF:1067.2/43

Out: -71.069+/-0.634 χ^2/NDF:1796.3/51

All: -73.965+/-0.463 χ^2/NDF: 2908.4/95

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 118.700+/-0.069 χ^2/NDF: 96249.7/20

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 105.698+/-0.060 χ^2/NDF: 194947.8/26

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

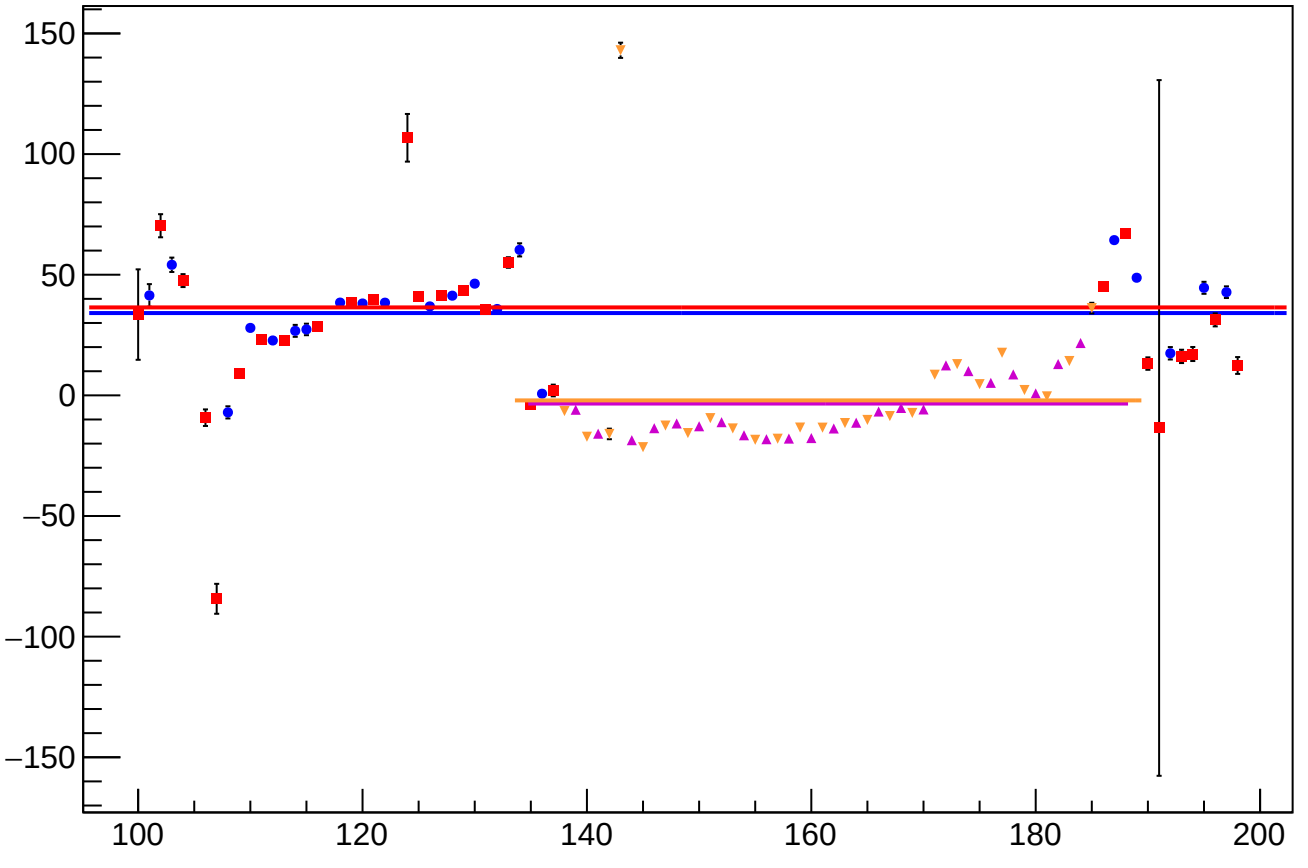
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 111.344+/-0.045 χ^2/NDF: 311408.6/47

In: 120.830+/-0.033 χ^2/NDF:126285.7/43

Out: 113.858+/-0.031 χ^2/NDF:423406.3/51

All: 117.127+/-0.022 χ^2/NDF: 573733.2/95



Right In: 34.109+/-0.373 χ^2/NDF: 2223.8/20

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 36.453+/-0.320 χ^2/NDF: 4536.4/26

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

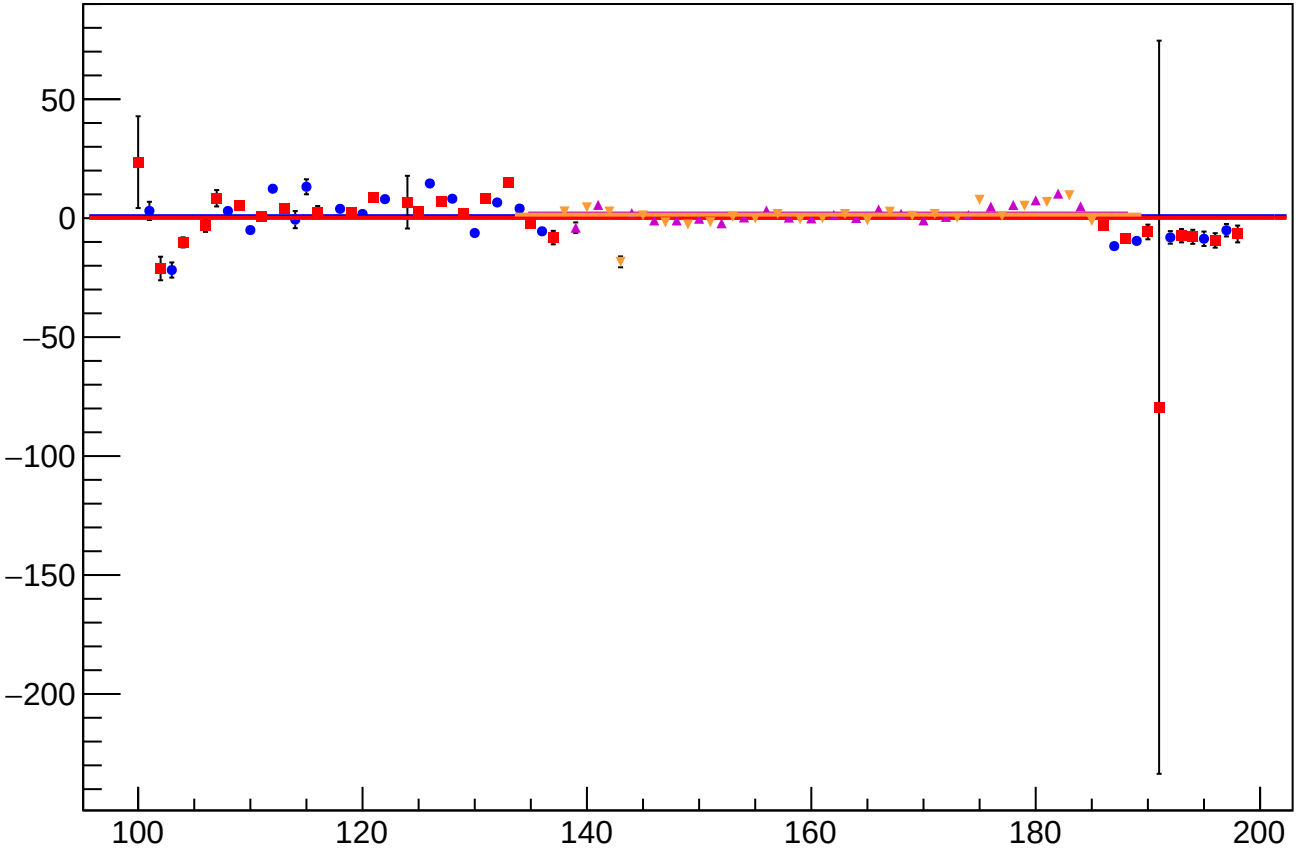
Right: 35.457+/-0.243 χ^2/NDF: 6782.9/47

In: 9.590+/-0.219 χ^2/NDF:10590.9/43

Out: 13.689+/-0.205 χ^2/NDF:17284.5/51

All: 11.778+/-0.150 χ^2/NDF: 28061.8/95

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.839+/-0.403 χ^2/NDF: 381.7/20

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: 0.103+/-0.370 χ^2/NDF: 348.5/26

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

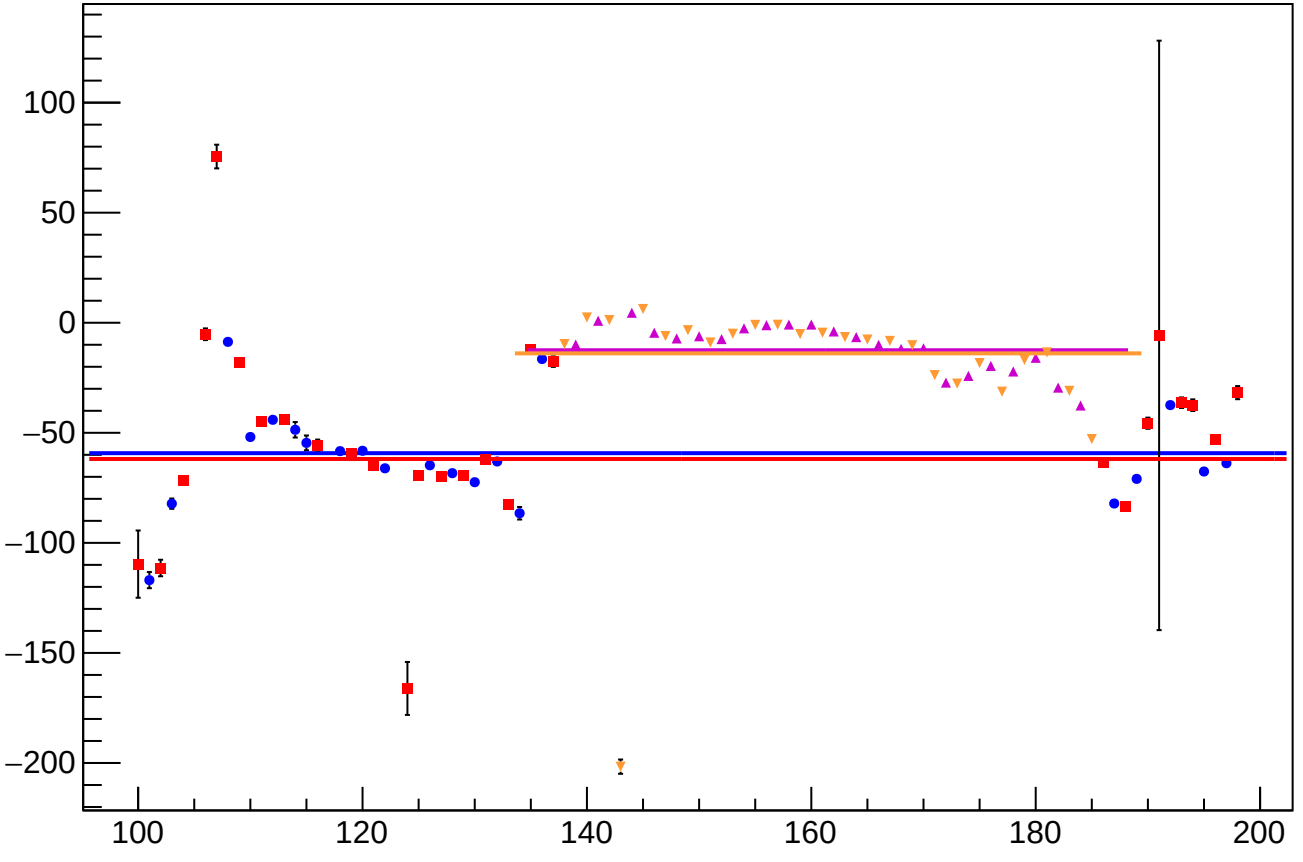
Right: 0.440+/-0.272 χ^2/NDF: 732.0/47

In: 1.698+/-0.186 χ^2/NDF:628.2/43

Out: 1.163+/-0.179 χ^2/NDF:687.8/51

All: 1.420+/-0.129 χ^2/NDF: 1320.3/95

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.252+/-0.390 χ^2/NDF: 3220.2/20

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -61.889+/-0.316 χ^2/NDF: 5307.7/26

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

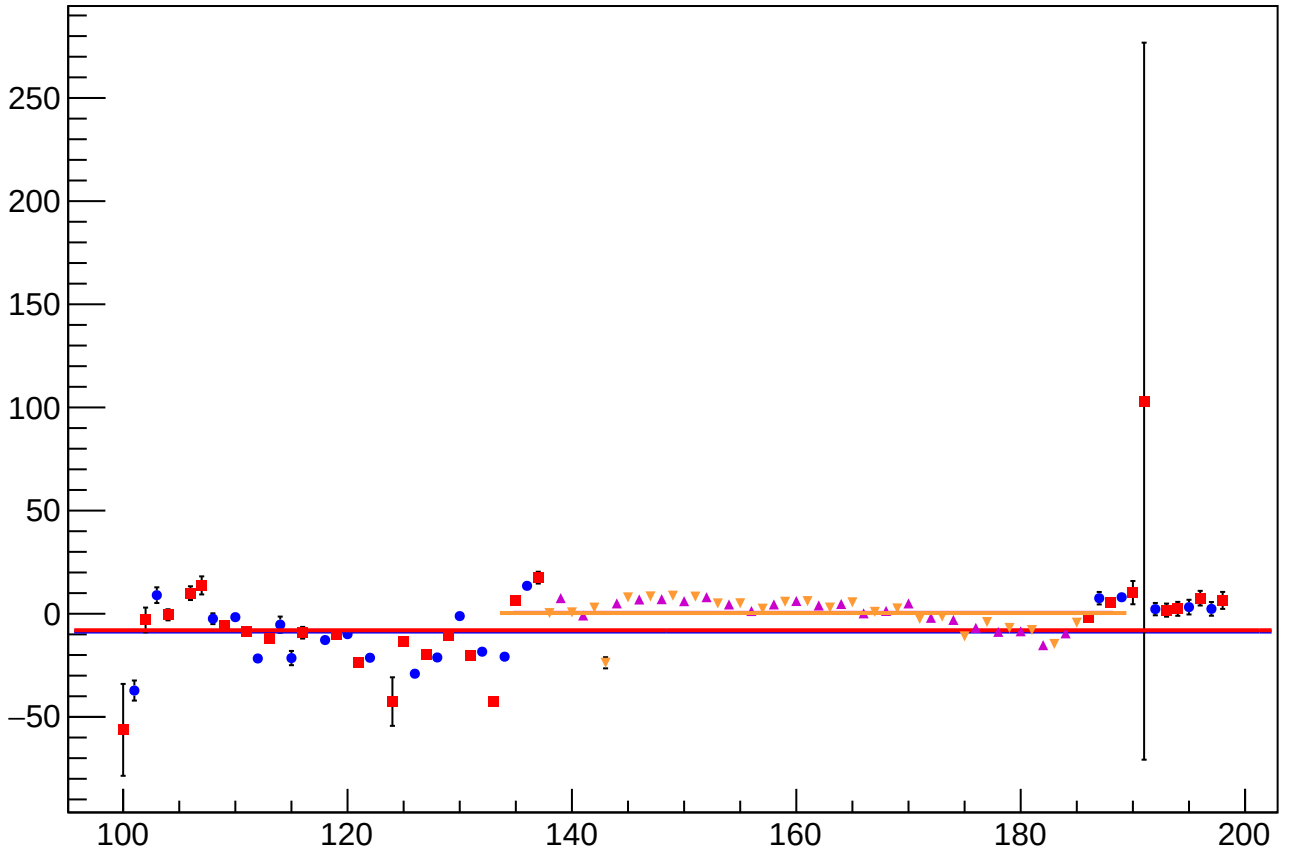
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

Right: -60.843+/-0.246 χ^2/NDF: 8555.6/47

In: -27.546+/-0.221 χ^2/NDF:14398.7/43

Out: -33.670+/-0.203 χ^2/NDF:23968.5/51

All: -30.871+/-0.150 χ^2/NDF: 38783.2/95



Right In: -8.629+/-0.472 χ^2/NDF: 798.0/20

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -8.003+/-0.448 χ^2/NDF: 864.9/26

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

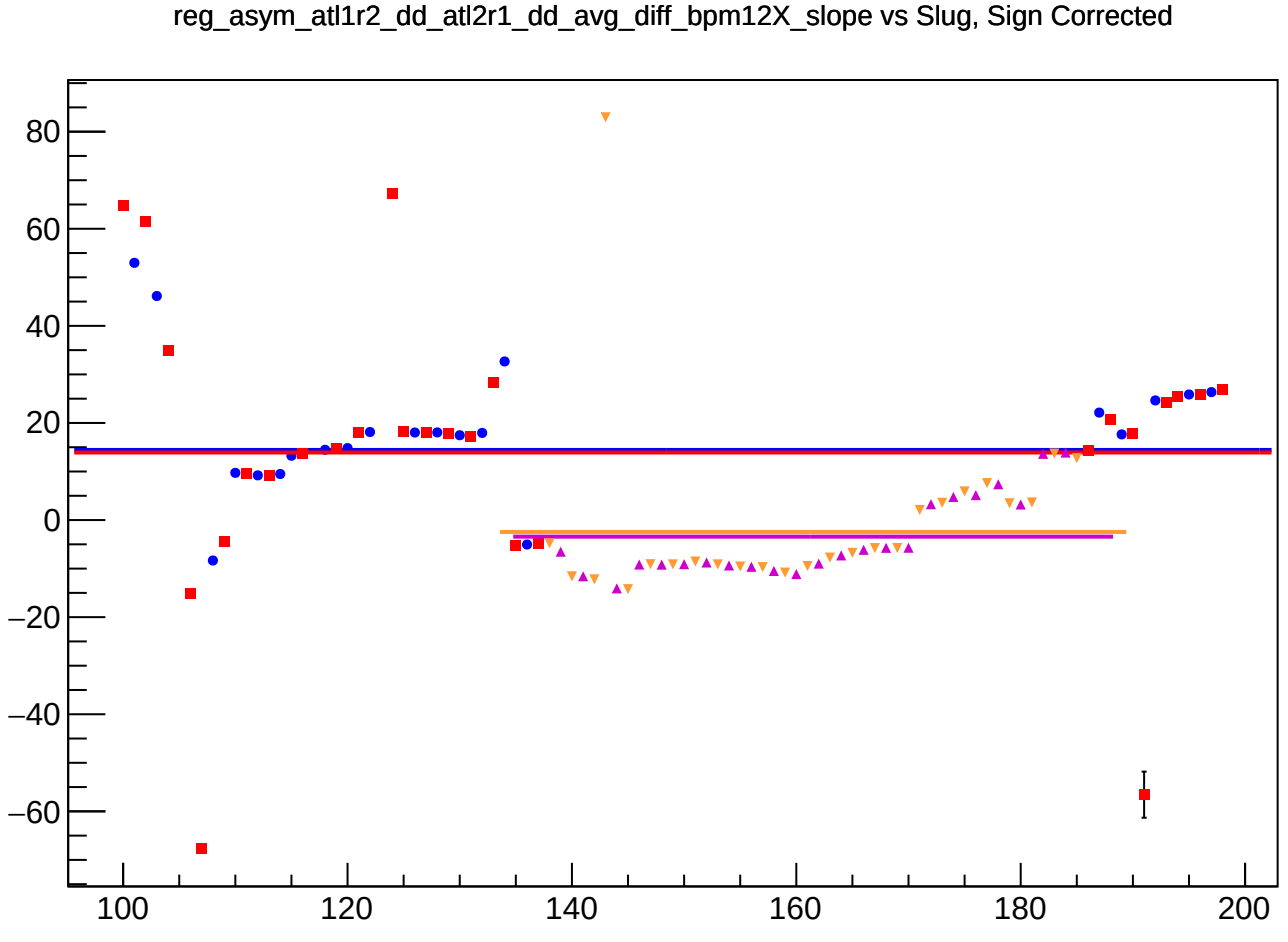
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -8.300+/-0.325 χ^2/NDF: 1663.8/47

In: -1.388+/-0.212 χ^2/NDF:1874.8/43

Out: -1.413+/-0.206 χ^2/NDF:2060.9/51

All: -1.401+/-0.147 χ^2/NDF: 3935.7/95



Right In: 14.440+/-0.026 χ^2/NDF: 396615.2/20

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 13.914+/-0.025 χ^2/NDF: 518739.4/26

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

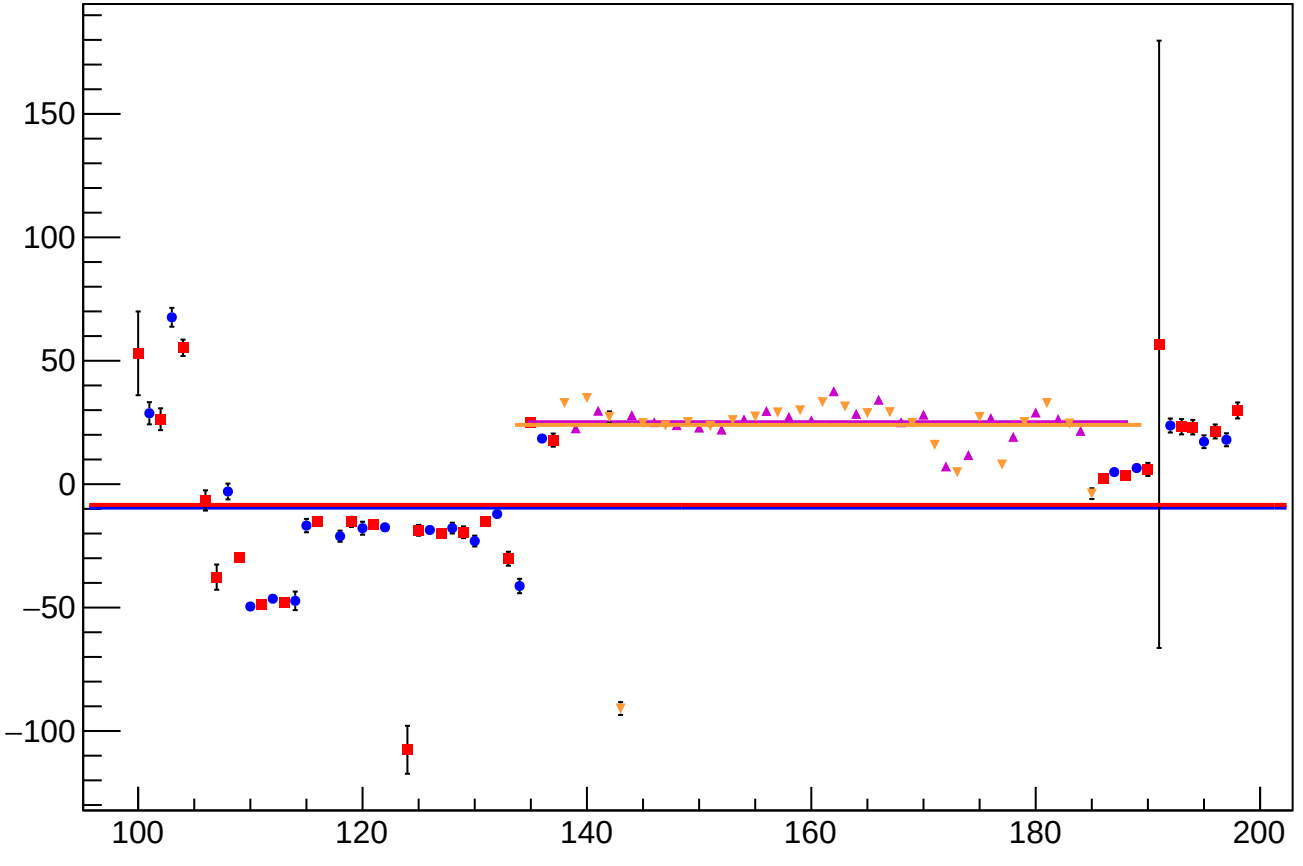
Right: 14.166+/-0.018 χ^2/NDF: 915572.0/47

In: -0.895+/-0.010 χ^2/NDF:1356752.5/43

Out: -0.008+/-0.010 χ^2/NDF:1853768.9/51

All: -0.446+/-0.007 χ^2/NDF: 3214781.3/95

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -9.487+/-0.476 χ^2/NDF: 2726.0/20

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -8.386+/-0.420 χ^2/NDF: 3140.9/26

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

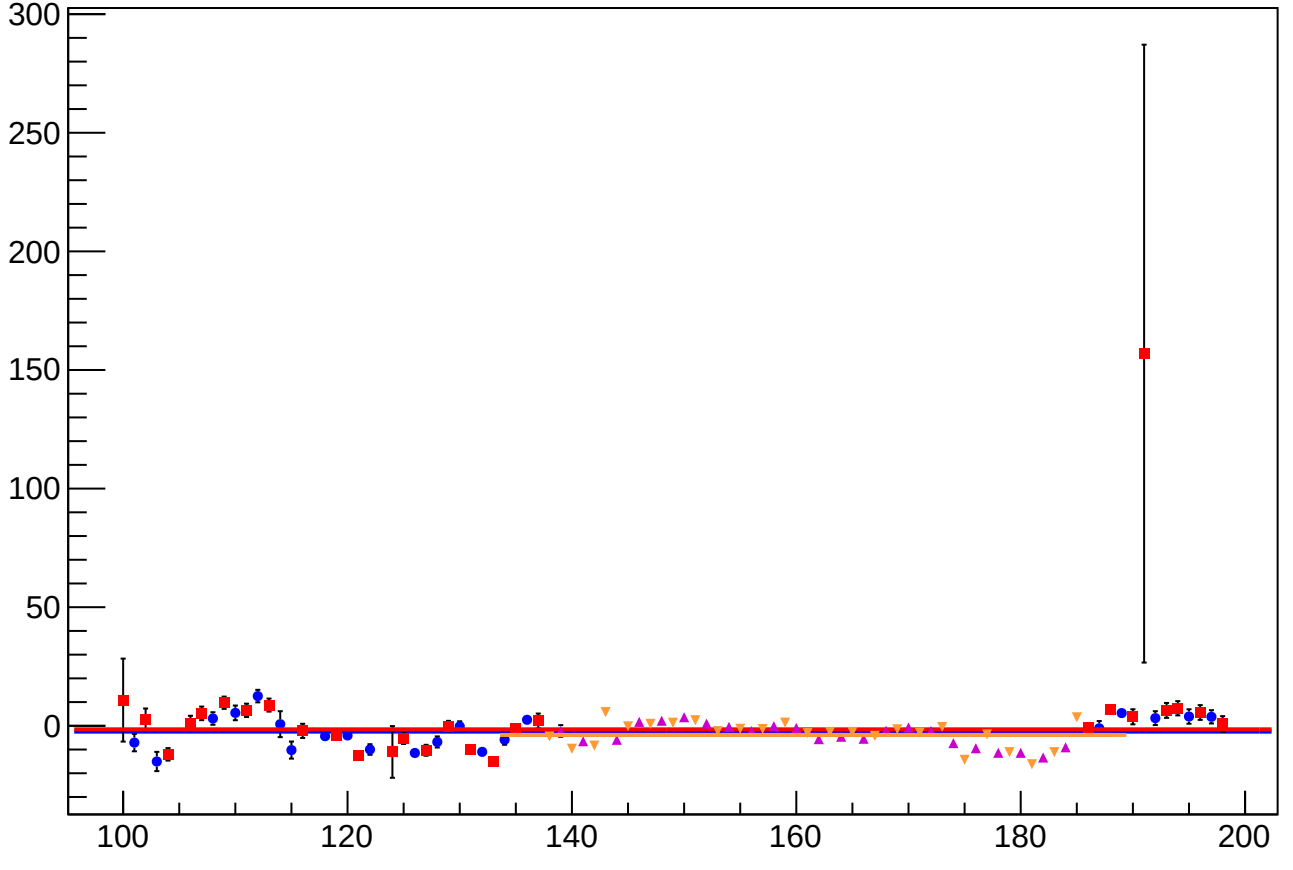
Right: -8.868+/-0.315 χ^2/NDF: 5870.0/47

In: 15.860+/-0.246 χ^2/NDF:7089.7/43

Out: 13.948+/-0.234 χ^2/NDF:10049.9/51

All: 14.857+/-0.170 χ^2/NDF: 17171.4/95

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.448+/-0.502 χ^2/NDF: 155.9/20

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -1.478+/-0.471 χ^2/NDF: 235.1/26

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

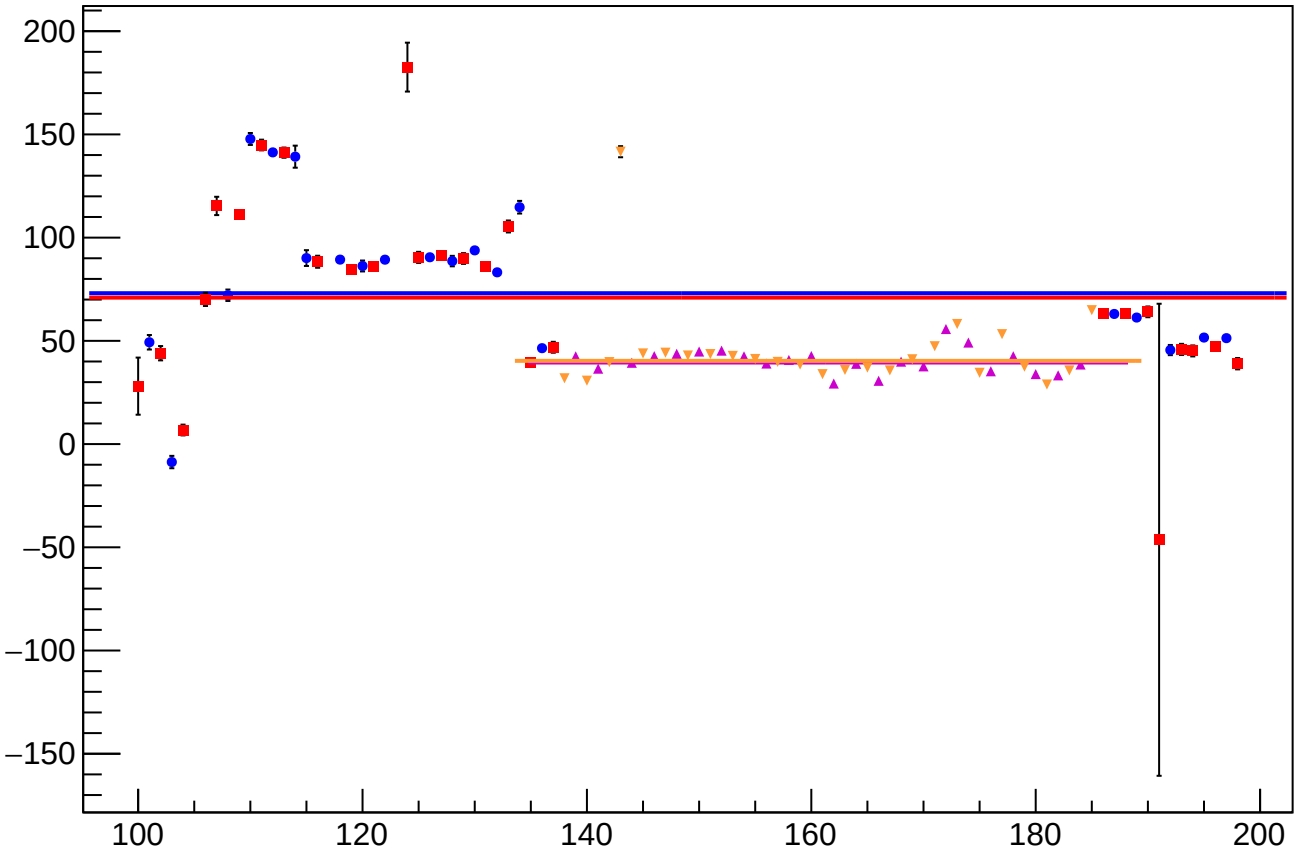
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: -1.932+/-0.343 χ^2/NDF: 393.0/47

In: -3.560+/-0.204 χ^2/NDF:671.6/43

Out: -3.427+/-0.198 χ^2/NDF:905.3/51

All: -3.491+/-0.142 χ^2/NDF: 1577.1/95



Right In: 73.080+/-0.495 χ^2/NDF: 3821.4/20

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 70.941+/-0.418 χ^2/NDF: 4218.2/26

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

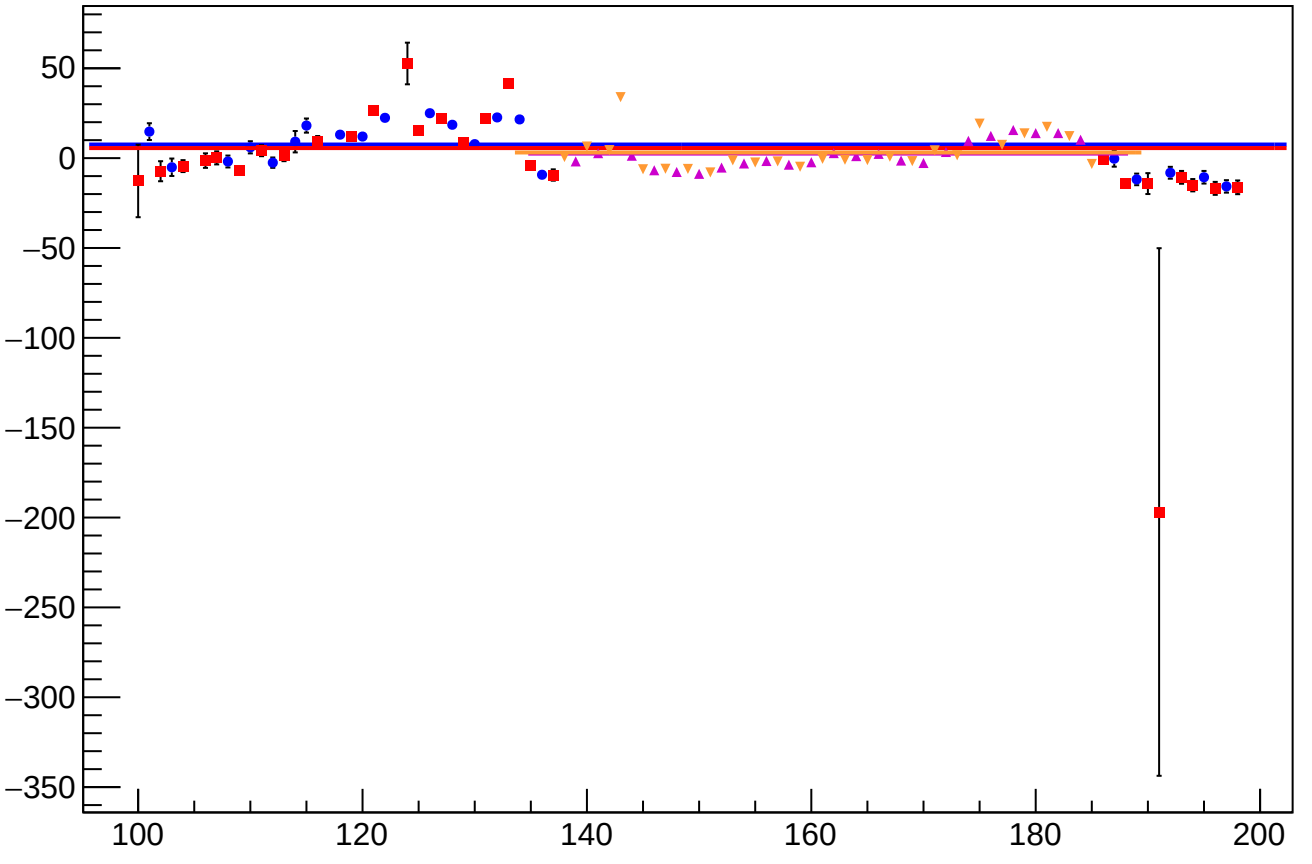
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 71.831+/-0.319 χ^2/NDF: 8050.5/47

In: 47.850+/-0.247 χ^2/NDF:7710.2/43

Out: 49.808+/-0.233 χ^2/NDF:10105.2/51

All: 48.886+/-0.169 χ^2/NDF: 17848.7/95



Right In: 7.572+/-0.582 χ^2/NDF: 513.8/20

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 5.587+/-0.561 χ^2/NDF: 757.8/26

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

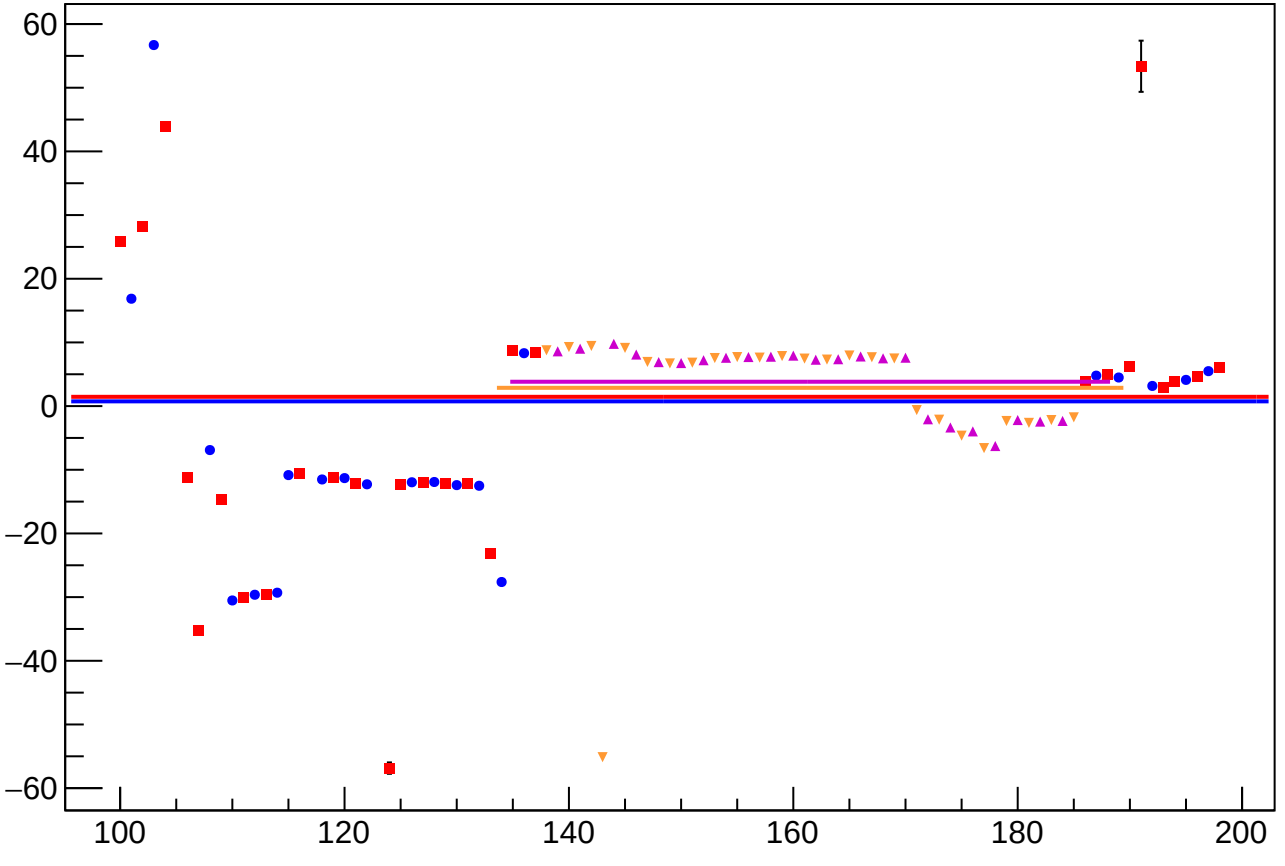
Right: 6.543+/-0.404 χ^2/NDF: 1277.6/47

In: 3.311+/-0.231 χ^2/NDF:1545.5/43

Out: 3.535+/-0.225 χ^2/NDF:2040.7/51

All: 3.425+/-0.161 χ^2/NDF: 3586.7/95

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.744+/-0.030 χ^2/NDF: 374011.5/20

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 1.457+/-0.029 χ^2/NDF: 324774.5/26

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

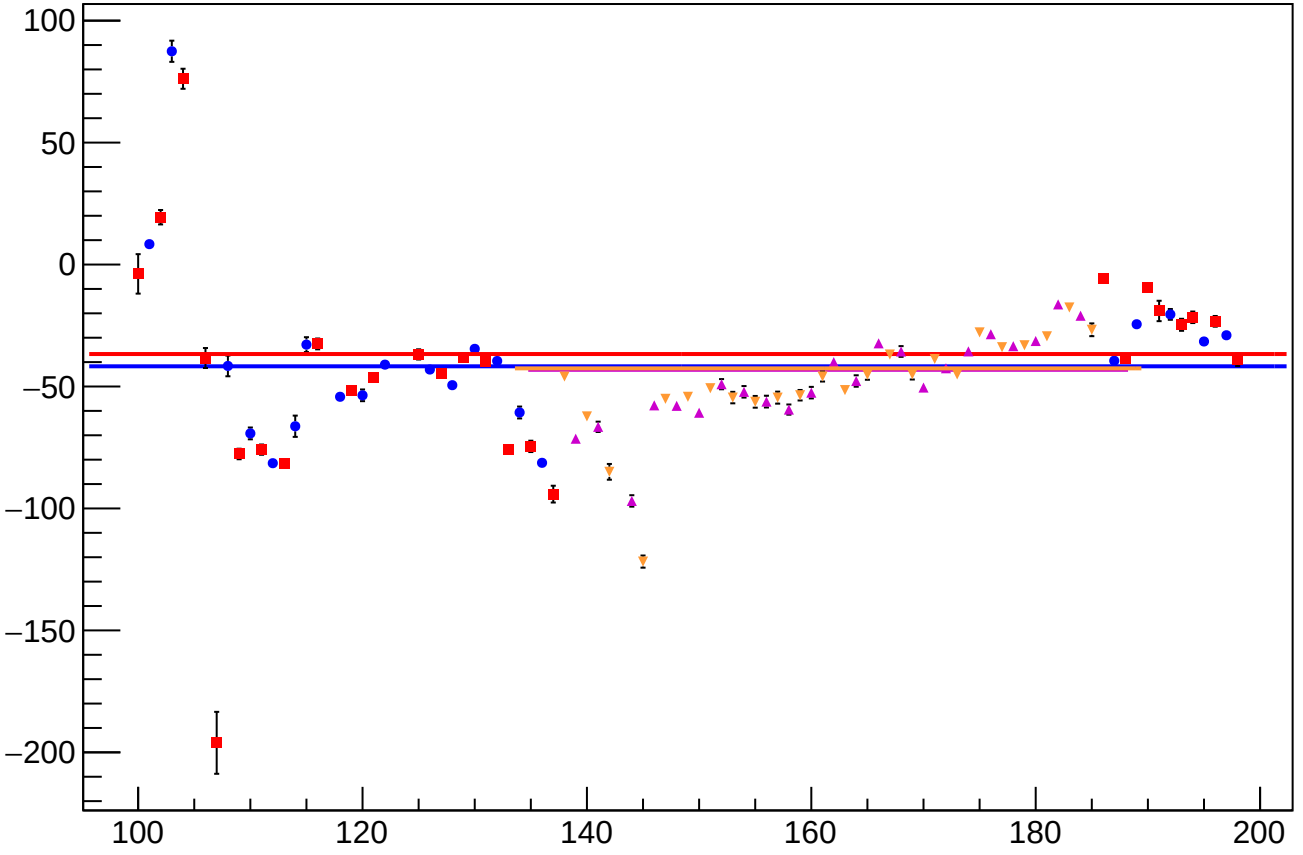
Right: 1.116+/-0.021 χ^2/NDF: 699079.5/47

In: 3.456+/-0.010 χ^2/NDF:616476.6/43

Out: 2.690+/-0.010 χ^2/NDF:839208.0/51

All: 3.067+/-0.007 χ^2/NDF: 1458422.1/95

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -41.721+/-0.437 χ^2/NDF: 3191.6/20

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -36.689+/-0.373 χ^2/NDF: 5086.2/25

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

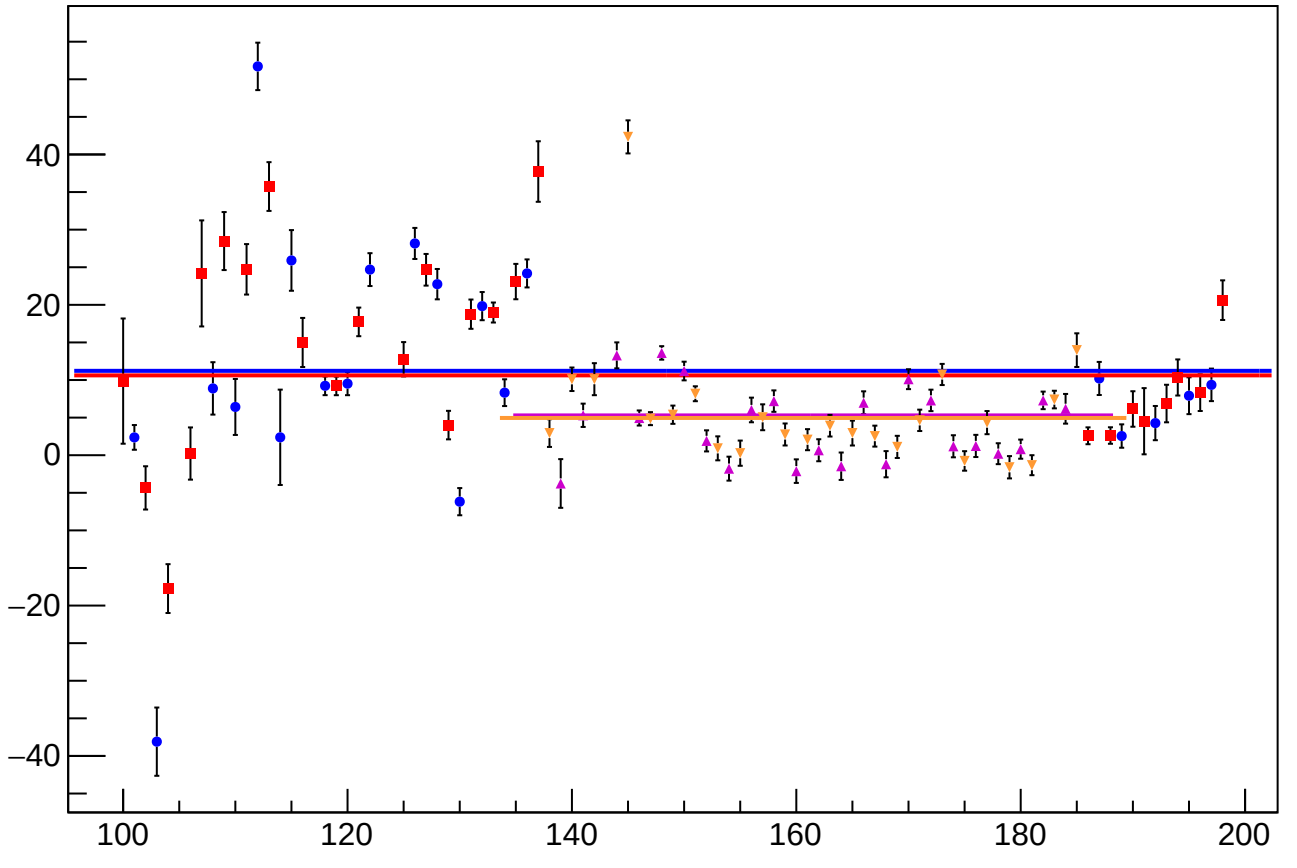
Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

Right: -38.805+/-0.284 χ^2/NDF: 8354.5/46

In: -42.533+/-0.287 χ^2/NDF:5404.3/43

Out: -39.579+/-0.265 χ^2/NDF:7534.9/49

All: -40.939+/-0.195 χ^2/NDF: 12996.2/93



Right In: 11.222+/-0.451 χ^2/NDF: 678.7/20

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 10.619+/-0.412 χ^2/NDF: 547.7/25

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

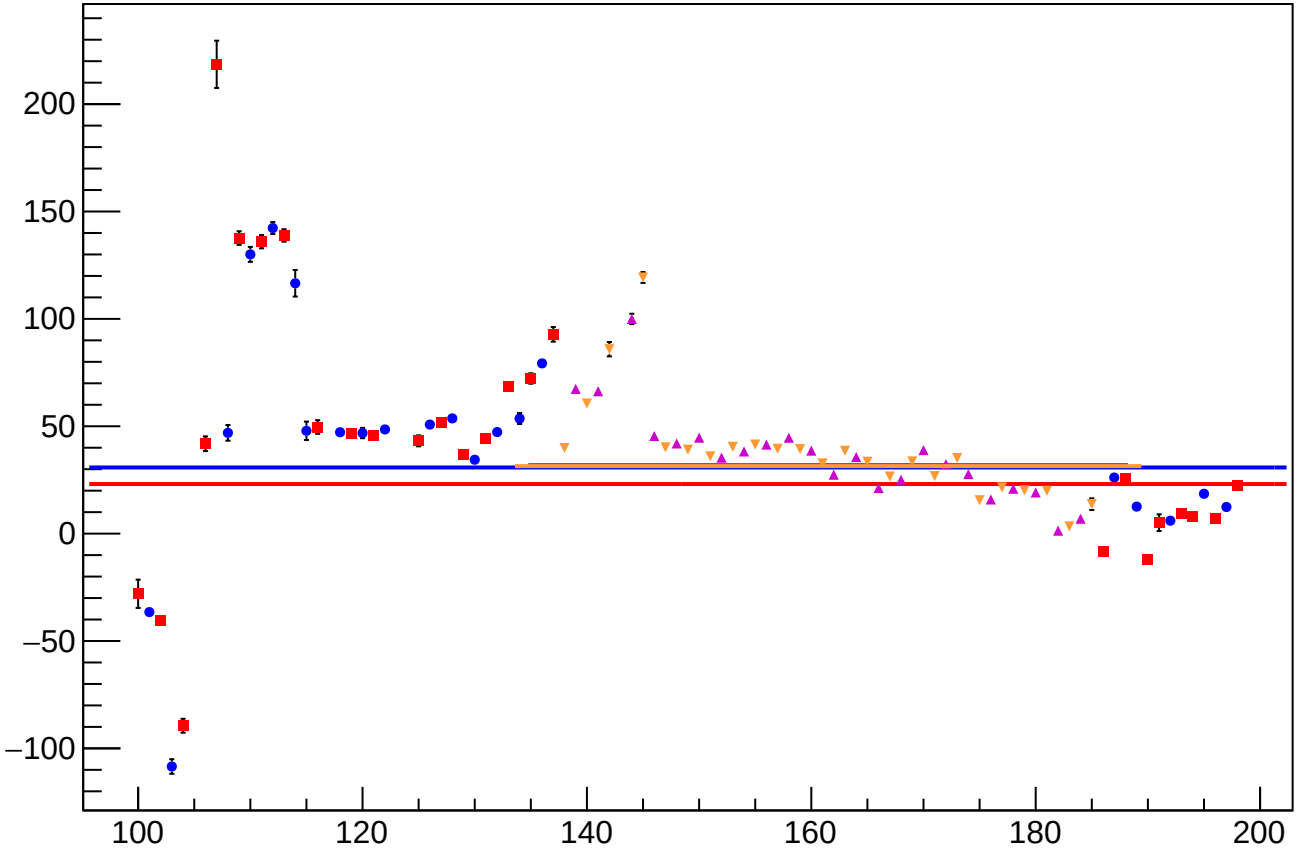
Right: 10.893+/-0.304 χ^2/NDF: 1227.3/46

In: 7.061+/-0.246 χ^2/NDF:1086.2/43

Out: 6.815+/-0.236 χ^2/NDF:1123.4/49

All: 6.933+/-0.171 χ^2/NDF: 2210.1/93

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 30.809+/-0.430 χ^2/NDF: 8156.5/20

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 23.091+/-0.347 χ^2/NDF: 11098.0/25

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

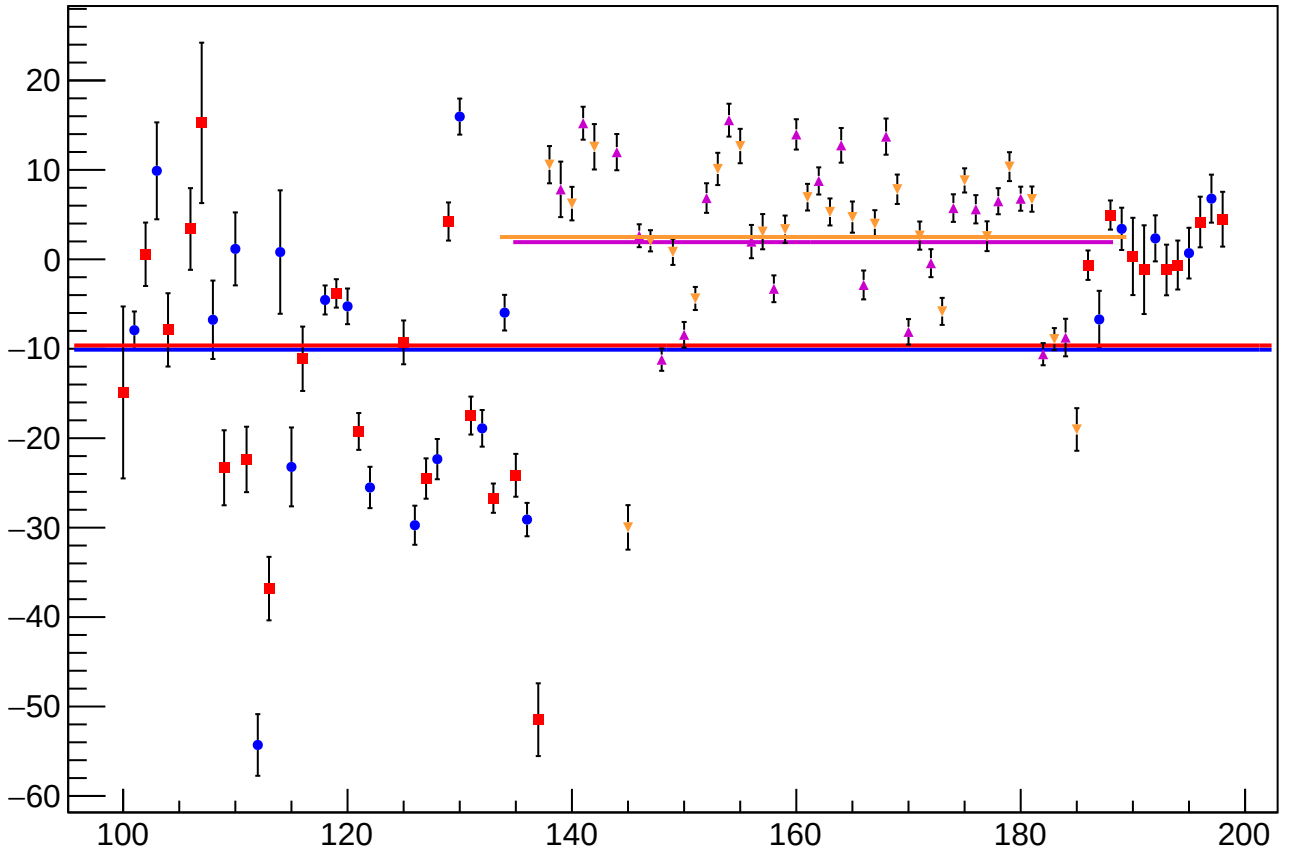
Left: 31.665+/-0.266 χ^2/NDF: 5530.0/46

Right: 26.135+/-0.270 χ^2/NDF: 19449.4/46

In: 31.422+/-0.284 χ^2/NDF:10927.4/43

Out: 26.939+/-0.255 χ^2/NDF:14126.4/49

All: 28.939+/-0.190 χ^2/NDF: 25191.8/93



Right In: -10.101+/-0.537 χ^2/NDF: 775.9/20

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -9.631+/-0.508 χ^2/NDF: 675.0/25

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

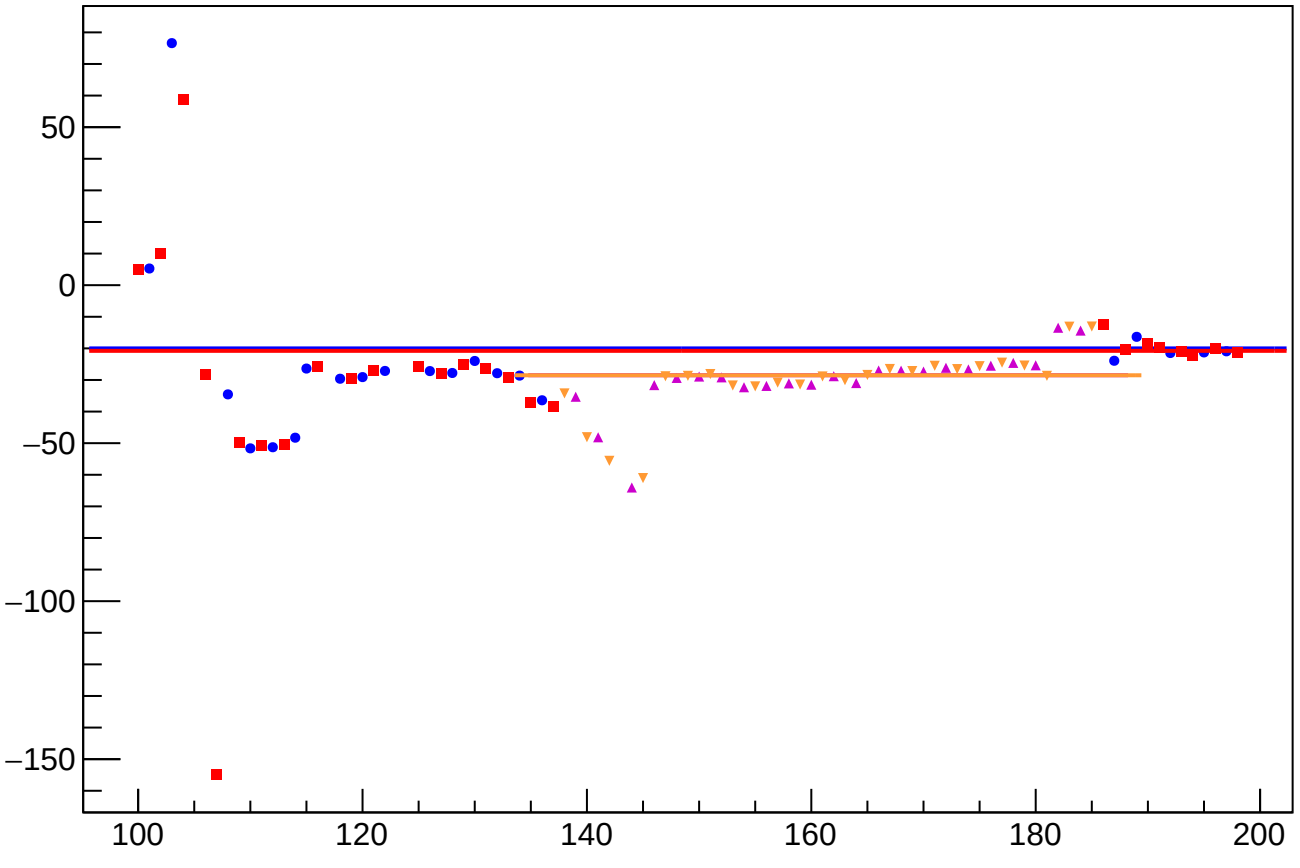
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -9.853+/-0.369 χ^2/NDF: 1451.3/46

In: -1.405+/-0.282 χ^2/NDF:1817.6/43

Out: -1.054+/-0.275 χ^2/NDF:1636.6/49

All: -1.225+/-0.197 χ^2/NDF: 3455.0/93



Right In: -20.013+/-0.028 χ^2/NDF: 649444.4/20

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -20.778+/-0.026 χ^2/NDF: 553211.1/25

Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

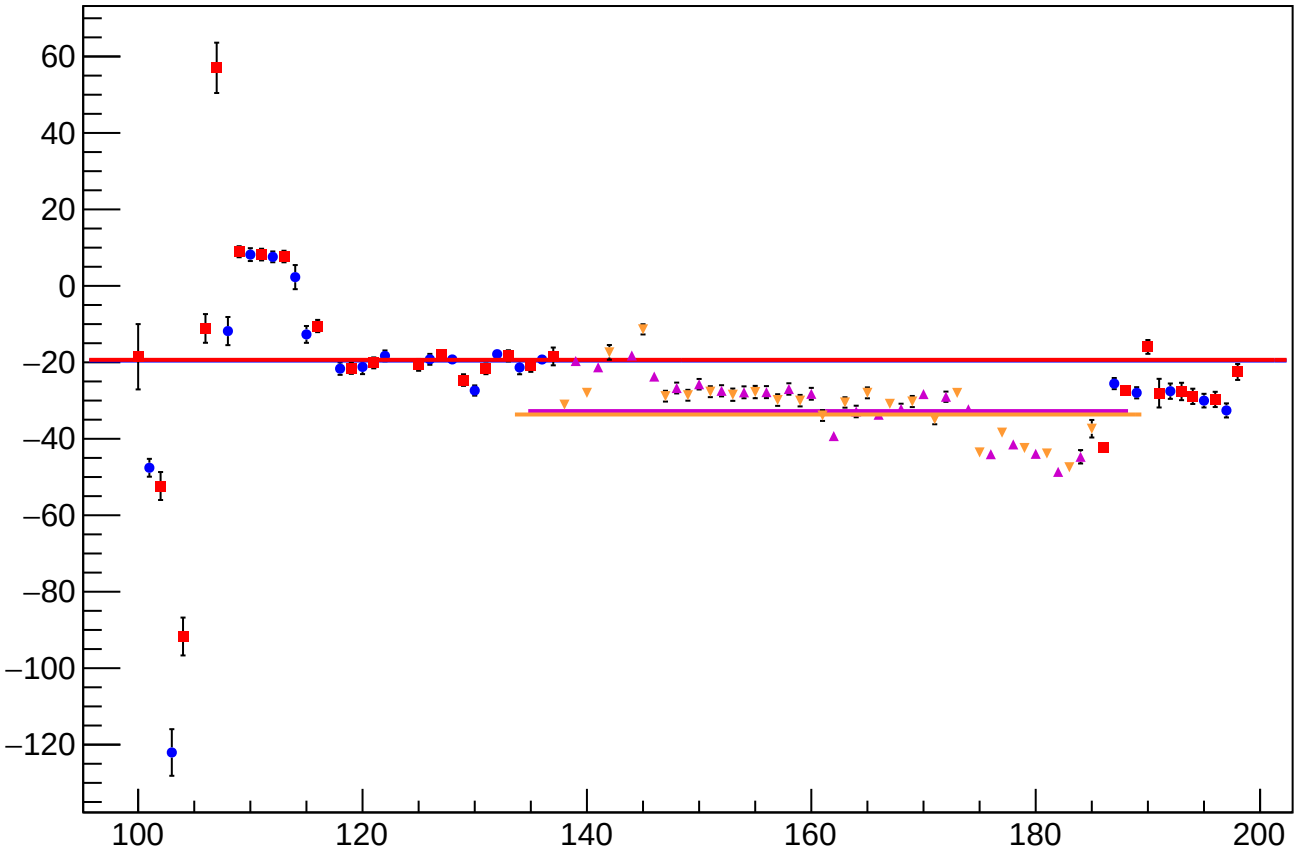
Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

Right: -20.425+/-0.019 χ^2/NDF: 1203066.8/46

In: -26.608+/-0.013 χ^2/NDF:1010180.8/43

Out: -26.584+/-0.013 χ^2/NDF:955418.4/49

All: -26.596+/-0.009 χ^2/NDF: 1965600.9/93



Right In: -19.532+/-0.355 χ^2/NDF: 1319.5/20

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -19.347+/-0.327 χ^2/NDF: 2010.9/25

Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

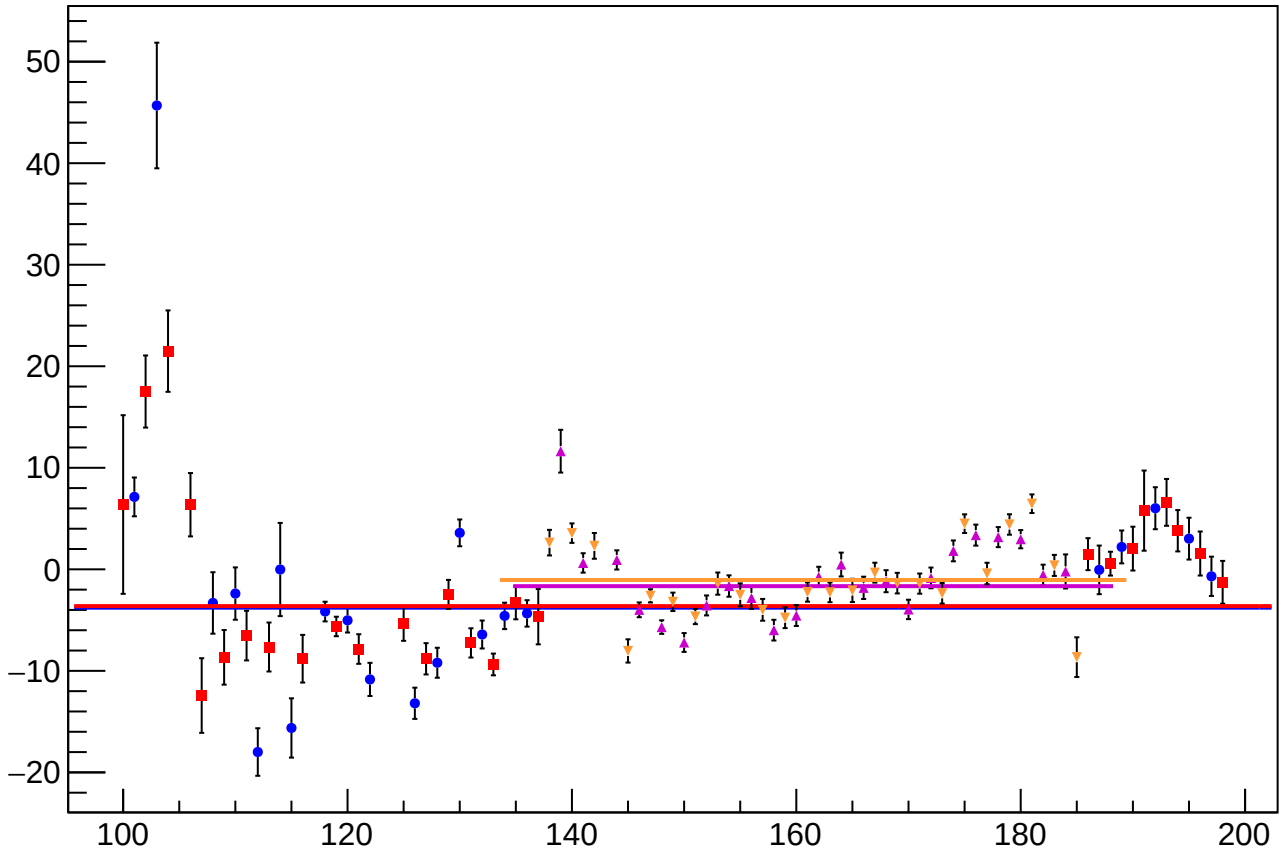
Left: -33.202+/-0.189 χ^2/NDF: 2165.0/46

Right: -19.432+/-0.241 χ^2/NDF: 3330.5/46

In: -27.946+/-0.214 χ^2/NDF:3343.5/43

Out: -27.974+/-0.206 χ^2/NDF:4179.6/49

All: -27.961+/-0.148 χ^2/NDF: 7523.1/93



Right In: -3.774+/-0.365 χ^2/NDF: 309.1/20

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -3.623+/-0.354 χ^2/NDF: 241.4/25

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

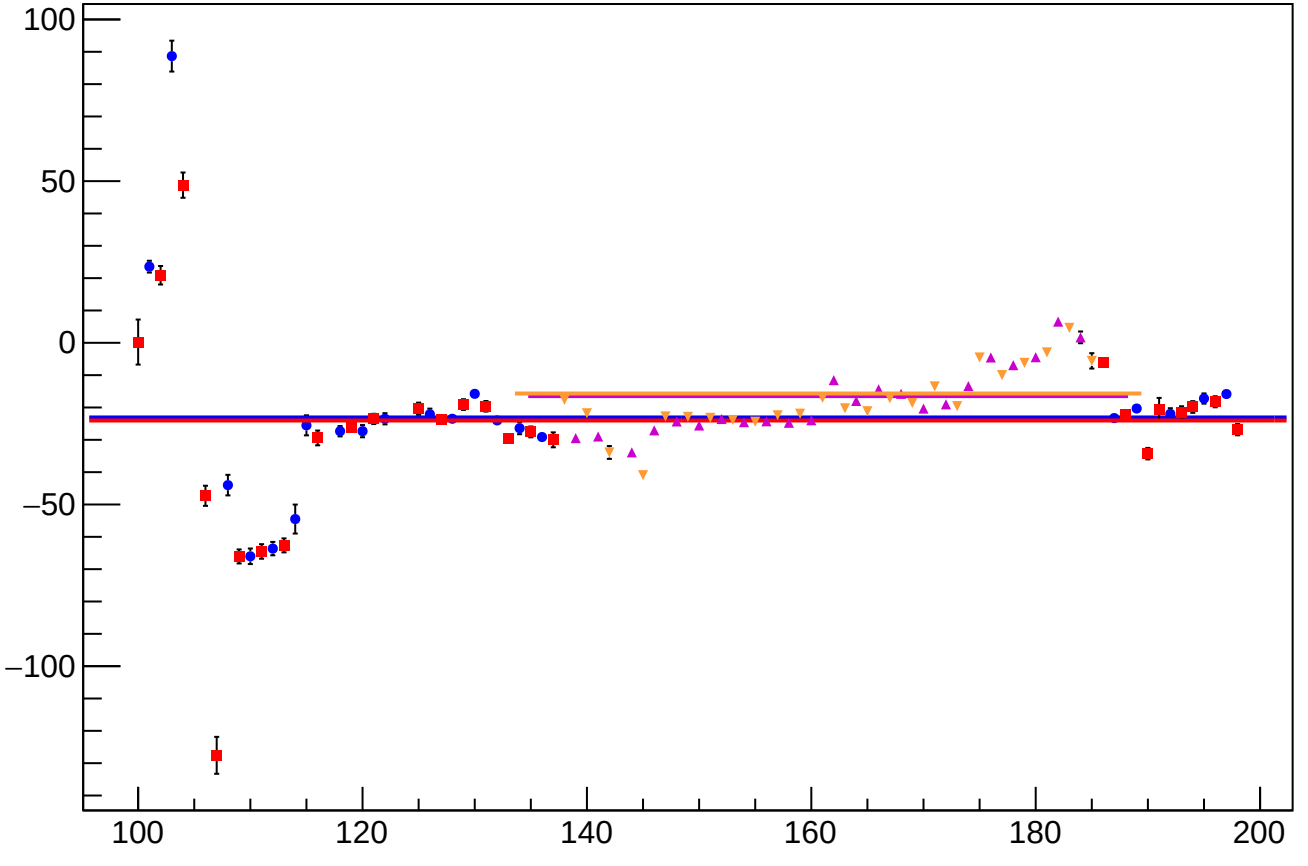
Right: -3.696+/-0.254 χ^2/NDF: 550.6/46

In: -2.172+/-0.180 χ^2/NDF:598.9/43

Out: -1.685+/-0.176 χ^2/NDF:570.5/49

All: -1.923+/-0.126 χ^2/NDF: 1173.1/93

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -23.086+/-0.370 χ^2/NDF: 2105.8/20

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -24.023+/-0.329 χ^2/NDF: 2446.2/25

Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

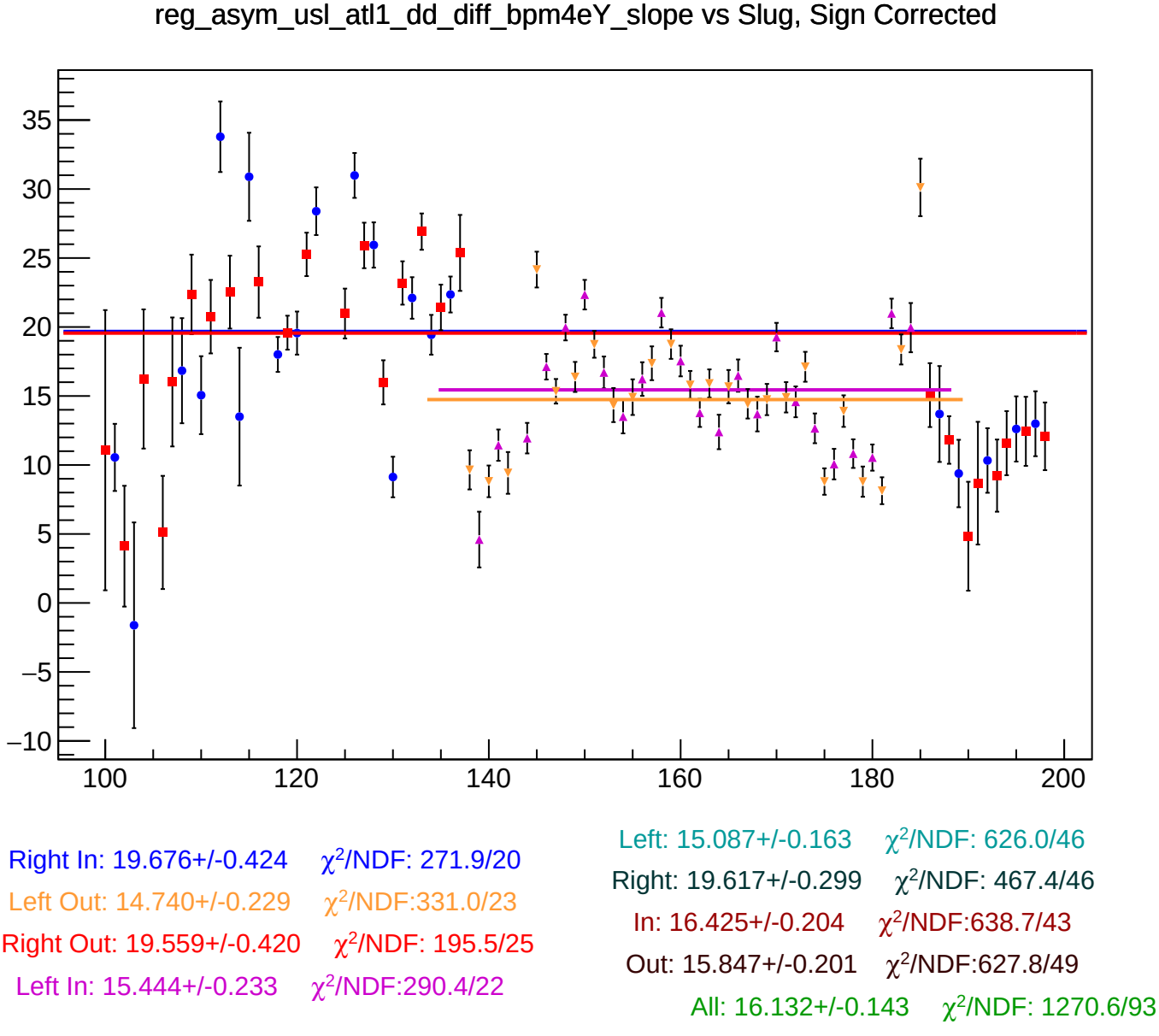
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

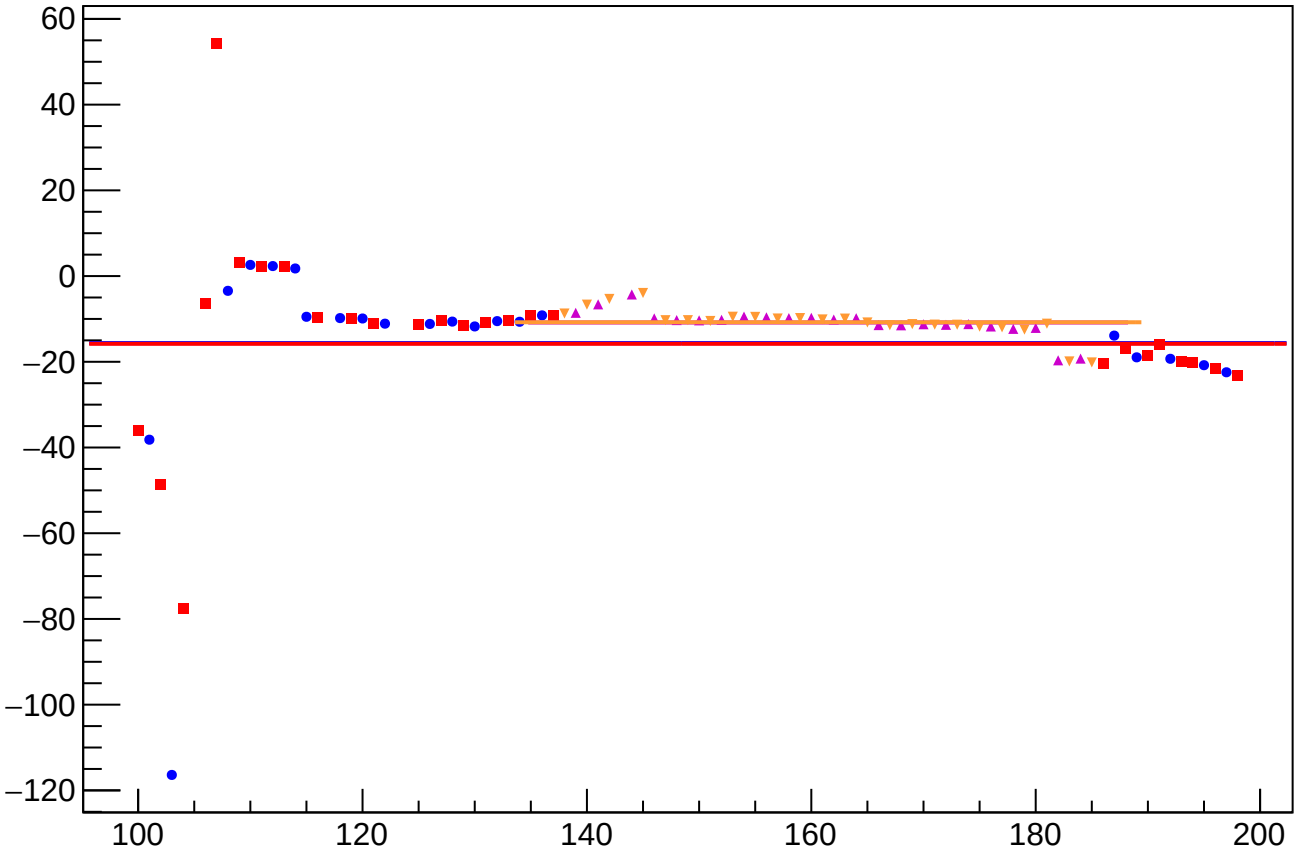
Right: -23.609+/-0.246 χ^2/NDF: 4555.6/46

In: -18.733+/-0.216 χ^2/NDF:4013.9/43

Out: -18.932+/-0.205 χ^2/NDF:4360.0/49

All: -18.837+/-0.149 χ^2/NDF: 8374.4/93


reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
−5
−10
100
120
140
160
180
200
Right In: 19.676+/-0.424 χ²/NDF: 271.9/20
Left Out: 14.740+/-0.229 χ²/NDF:331.0/23
Right Out: 19.559+/-0.420 χ²/NDF: 195.5/25
Left In: 15.444+/-0.233 χ²/NDF:290.4/22
Left: 15.087+/-0.163 χ²/NDF: 626.0/46
Right: 19.617+/-0.299 χ²/NDF: 467.4/46
In: 16.425+/-0.204 χ²/NDF:638.7/43
Out: 15.847+/-0.201 χ²/NDF:627.8/49
All: 16.132+/-0.143 χ²/NDF: 1270.6/93



Right In: -15.637+/-0.023 χ^2/NDF: 369936.6/20

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -15.804+/-0.022 χ^2/NDF: 356345.2/25

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

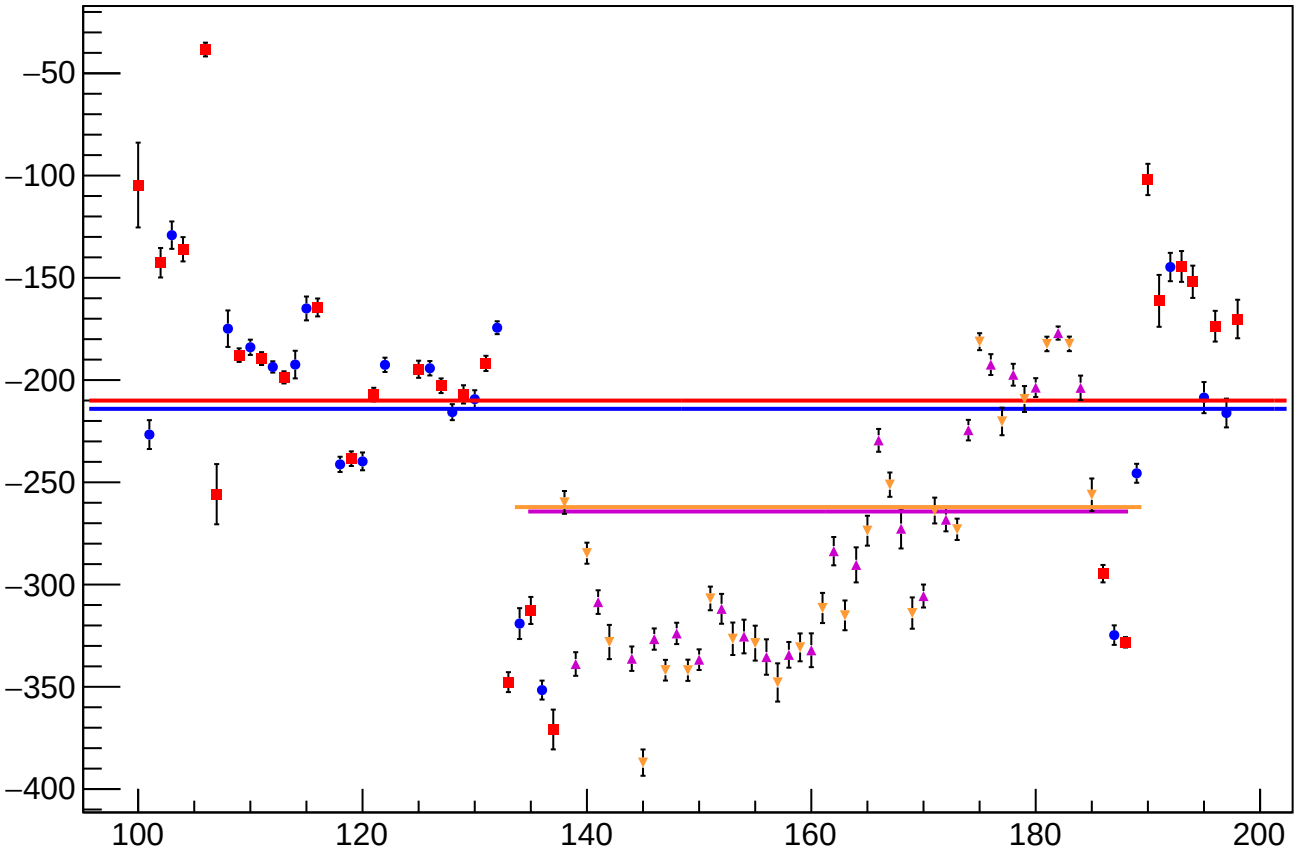
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -15.724+/-0.016 χ^2/NDF: 726309.6/46

In: -11.650+/-0.009 χ^2/NDF:480910.7/43

Out: -11.686+/-0.009 χ^2/NDF:484250.0/49

All: -11.668+/-0.007 χ^2/NDF: 965168.0/93



Right In: -214.073+/-0.986 χ^2/NDF: 2461.7/20

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -210.024+/-0.878 χ^2/NDF: 7433.1/25

Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

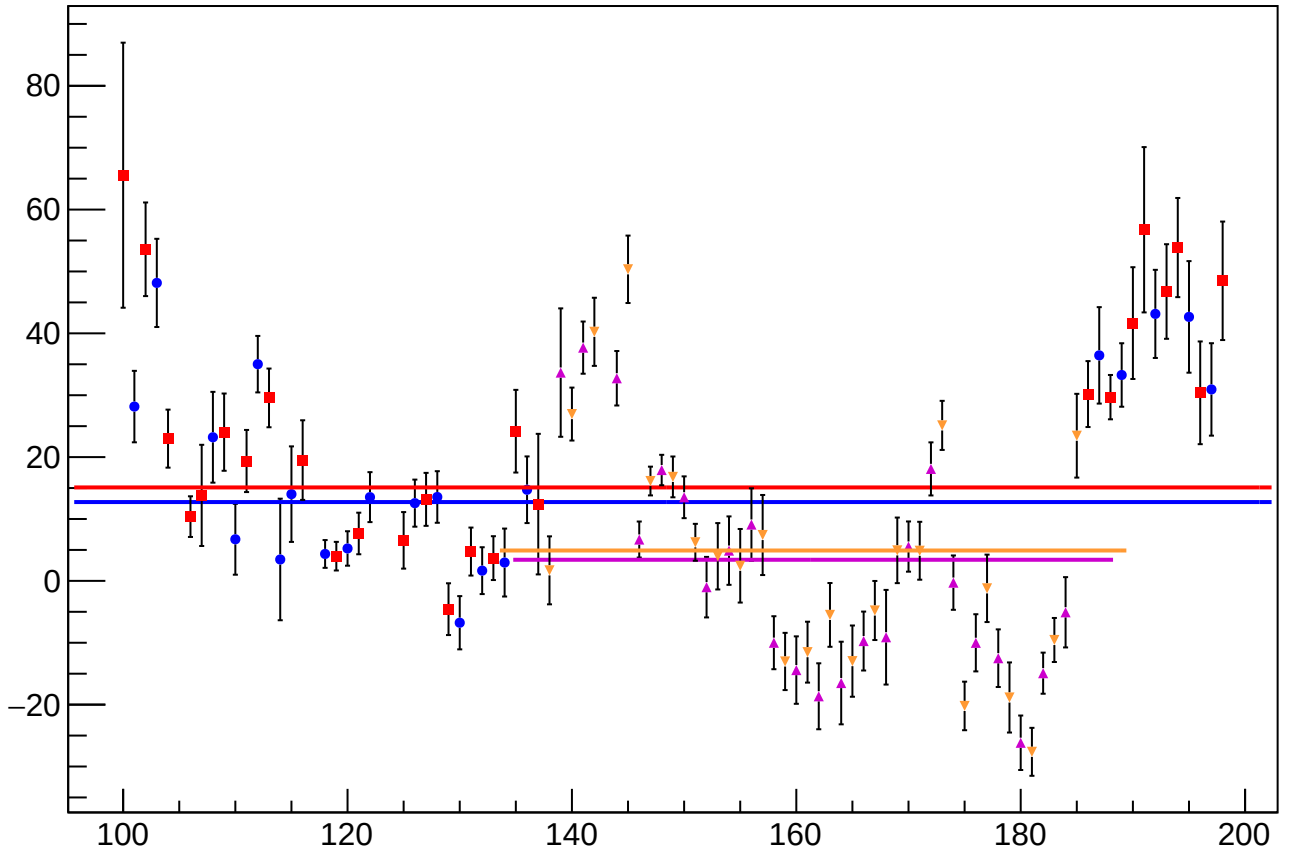
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -211.815+/-0.656 χ^2/NDF: 9904.2/46

In: -234.605+/-0.758 χ^2/NDF:6263.0/43

Out: -228.604+/-0.704 χ^2/NDF:11652.4/49

All: -231.384+/-0.516 χ^2/NDF: 17949.1/93



Right In: 12.736+/-1.007 χ^2/NDF: 173.9/20

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 15.100+/-0.950 χ^2/NDF: 221.2/25

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

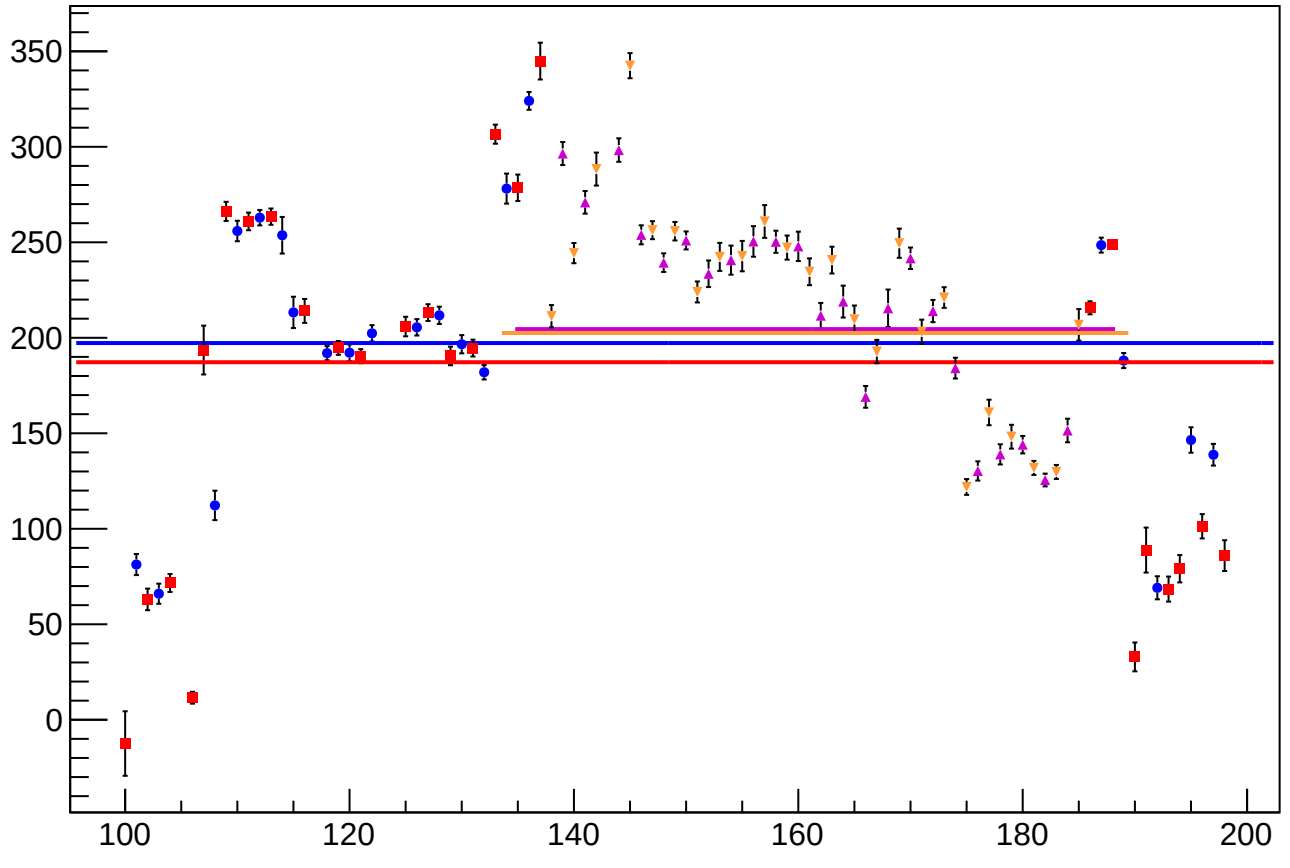
Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

Right: 13.987+/-0.691 χ^2/NDF: 398.1/46

In: 7.553+/-0.671 χ^2/NDF:554.9/43

Out: 9.650+/-0.648 χ^2/NDF:681.7/49

All: 8.638+/-0.466 χ^2/NDF: 1241.6/93



Right In: 197.250+/-1.069 χ^2/NDF: 3277.9/20

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 187.205+/-0.915 χ^2/NDF: 8723.8/25

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

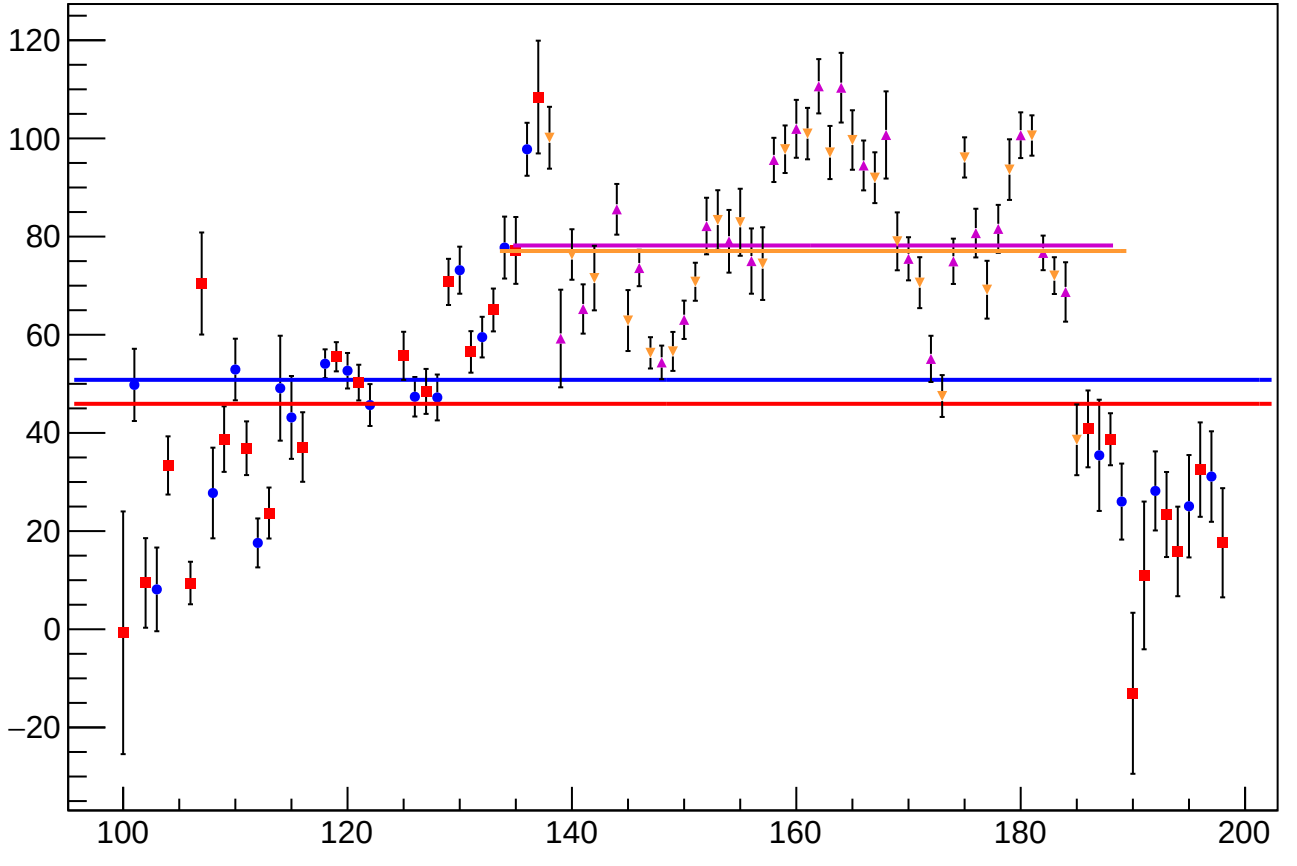
Right: 191.456+/-0.695 χ^2/NDF: 12052.7/46

In: 200.553+/-0.791 χ^2/NDF:5584.7/43

Out: 192.998+/-0.721 χ^2/NDF:11223.2/49

All: 196.428+/-0.533 χ^2/NDF: 16857.7/93

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 50.817+/-1.187 χ^2/NDF: 231.8/20

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 45.931+/-1.130 χ^2/NDF: 291.2/25

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

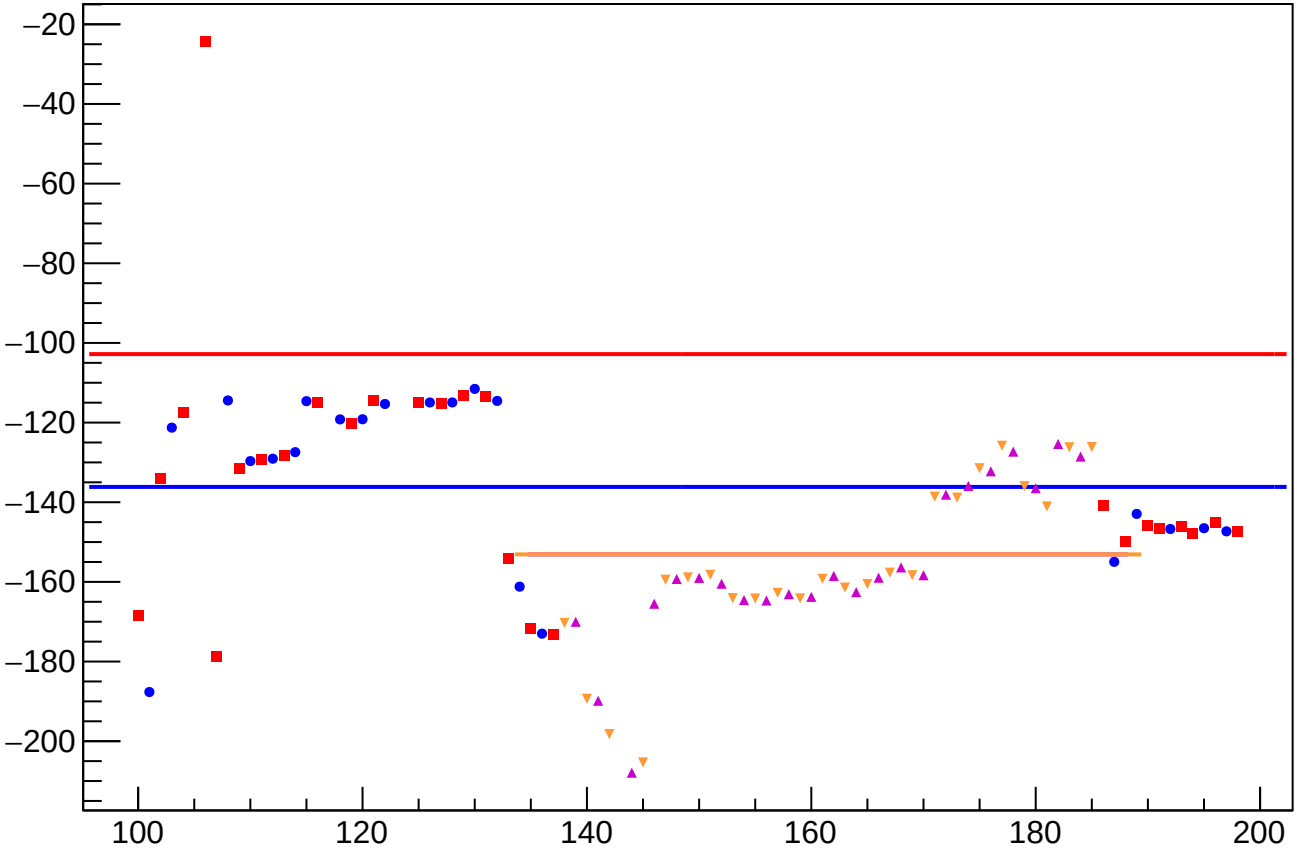
Right: 48.254+/-0.819 χ^2/NDF: 531.8/46

In: 66.490+/-0.776 χ^2/NDF:768.8/43

Out: 63.163+/-0.755 χ^2/NDF:1022.2/49

All: 64.782+/-0.541 χ^2/NDF: 1800.4/93

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -136.153+/-0.071 χ^2/NDF: 100606.4/20

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -102.807+/-0.056 χ^2/NDF: 922576.9/25

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

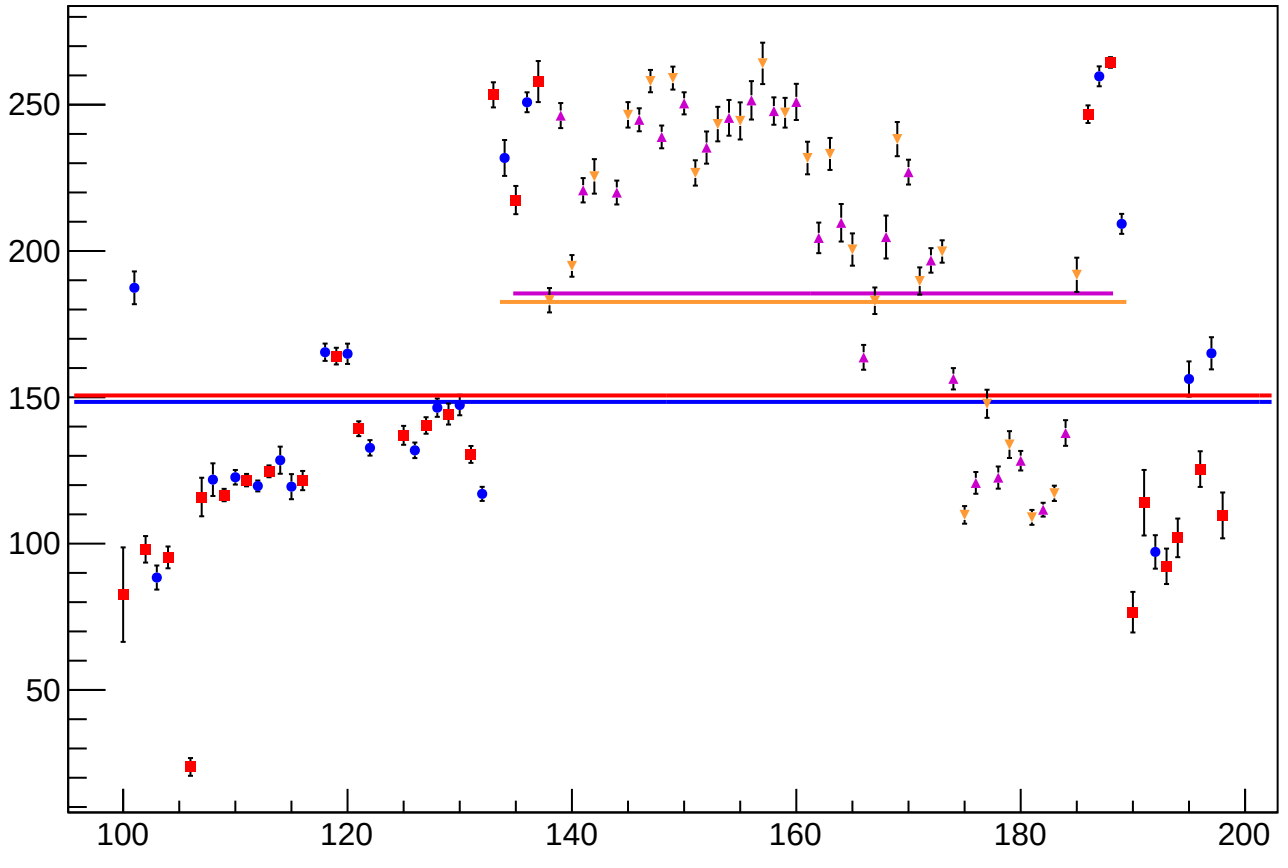
Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

Right: -115.636+/-0.044 χ^2/NDF: 1159491.4/46

In: -147.979+/-0.039 χ^2/NDF:307188.6/43

Out: -132.361+/-0.036 χ^2/NDF:1573630.7/49

All: -139.549+/-0.026 χ^2/NDF: 1967591.3/93



Right In: 148.432+/-0.728 χ^2/NDF: 3561.4/20

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 150.634+/-0.646 χ^2/NDF: 9256.2/25

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

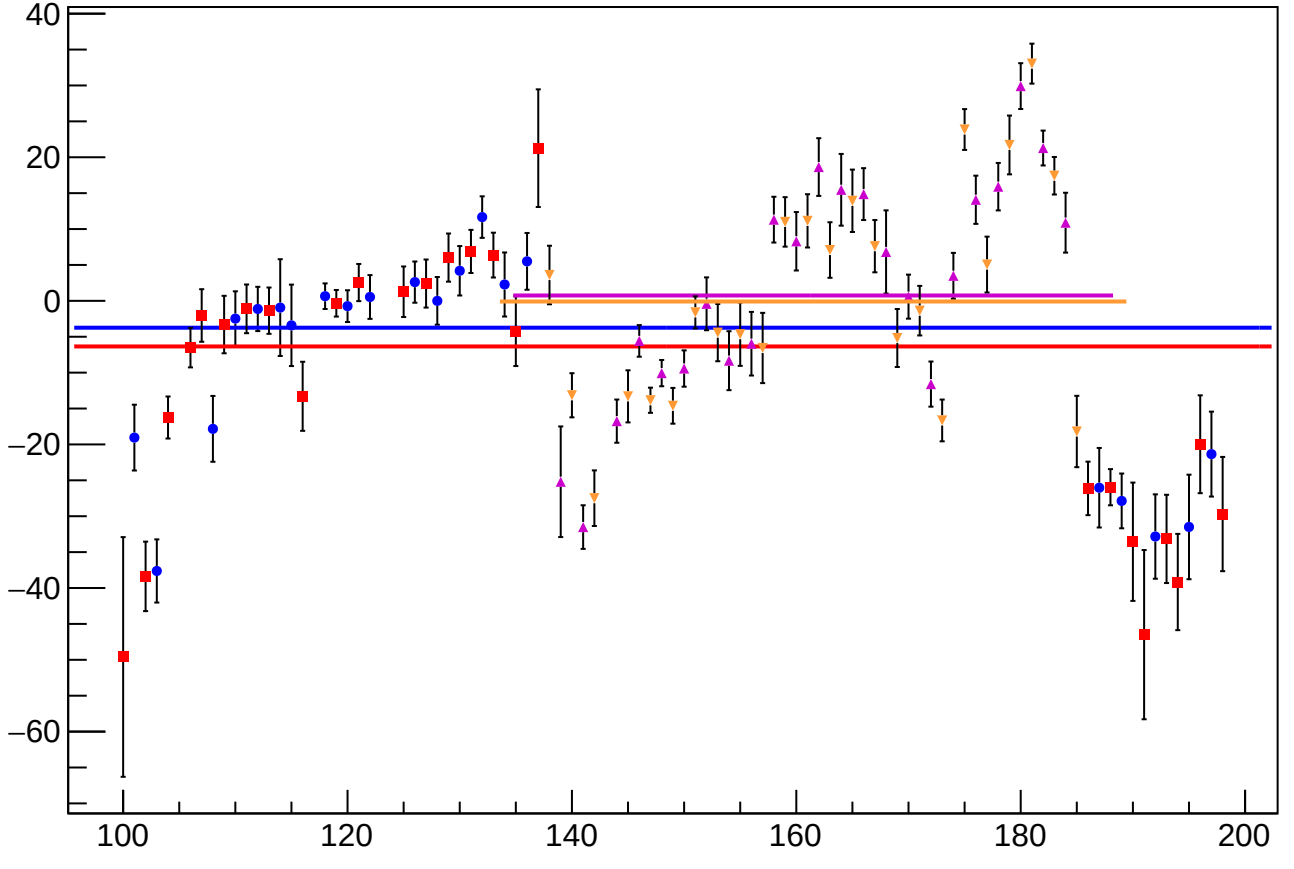
Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

Right: 149.663+/-0.483 χ^2/NDF: 12822.7/46

In: 163.642+/-0.559 χ^2/NDF:8447.9/43

Out: 162.071+/-0.518 χ^2/NDF:14283.1/49

All: 162.797+/-0.380 χ^2/NDF: 22735.3/93



Right In: -3.741+/-0.765 χ^2/NDF: 242.0/20

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -6.353+/-0.713 χ^2/NDF: 332.7/25

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

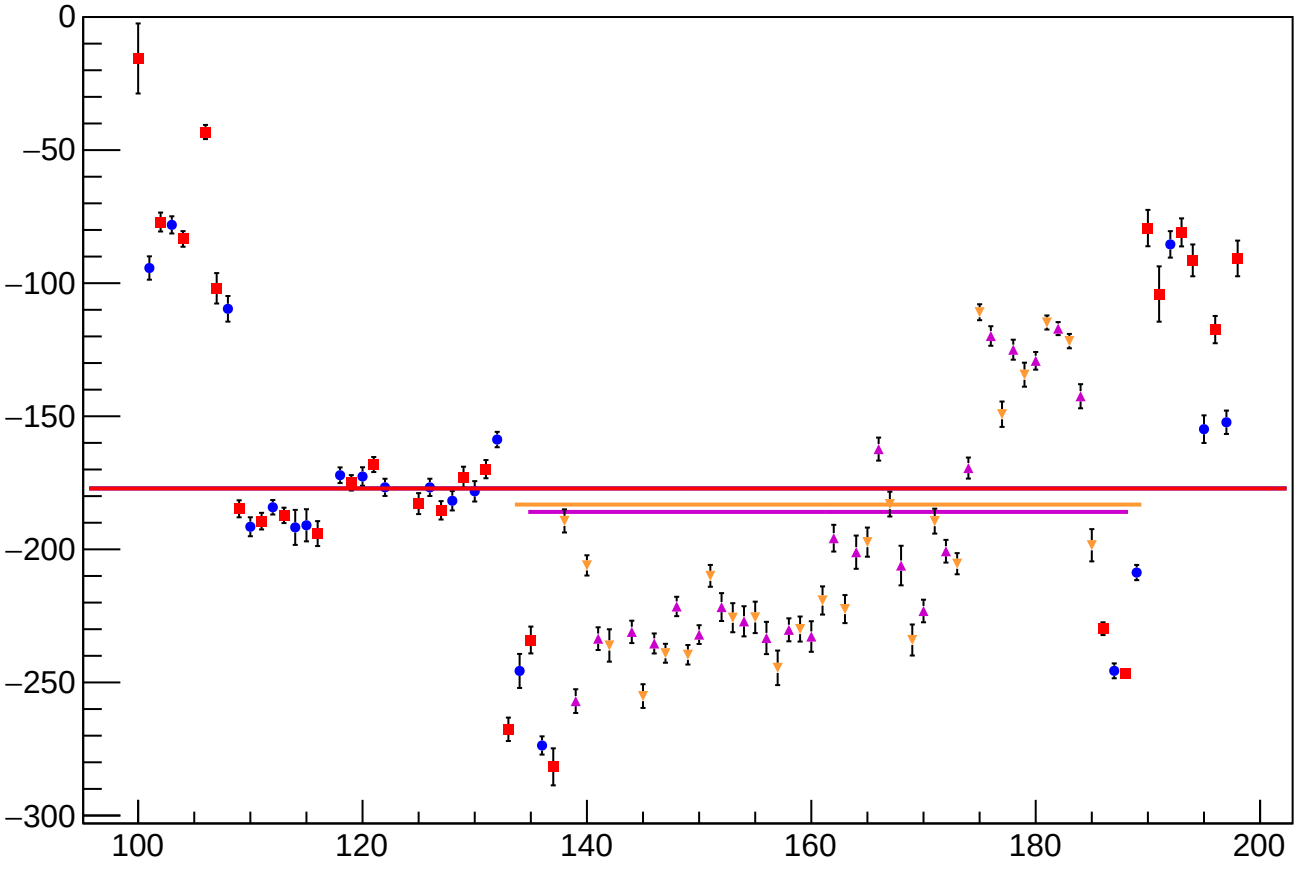
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -5.139+/-0.522 χ^2/NDF: 580.9/46

In: -1.186+/-0.502 χ^2/NDF:759.4/43

Out: -2.955+/-0.482 χ^2/NDF:929.8/49

All: -2.106+/-0.348 χ^2/NDF: 1695.6/93



Right In: -177.098+/-0.792 χ^2/NDF: 3593.2/20

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -177.136+/-0.675 χ^2/NDF: 9360.1/25

Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

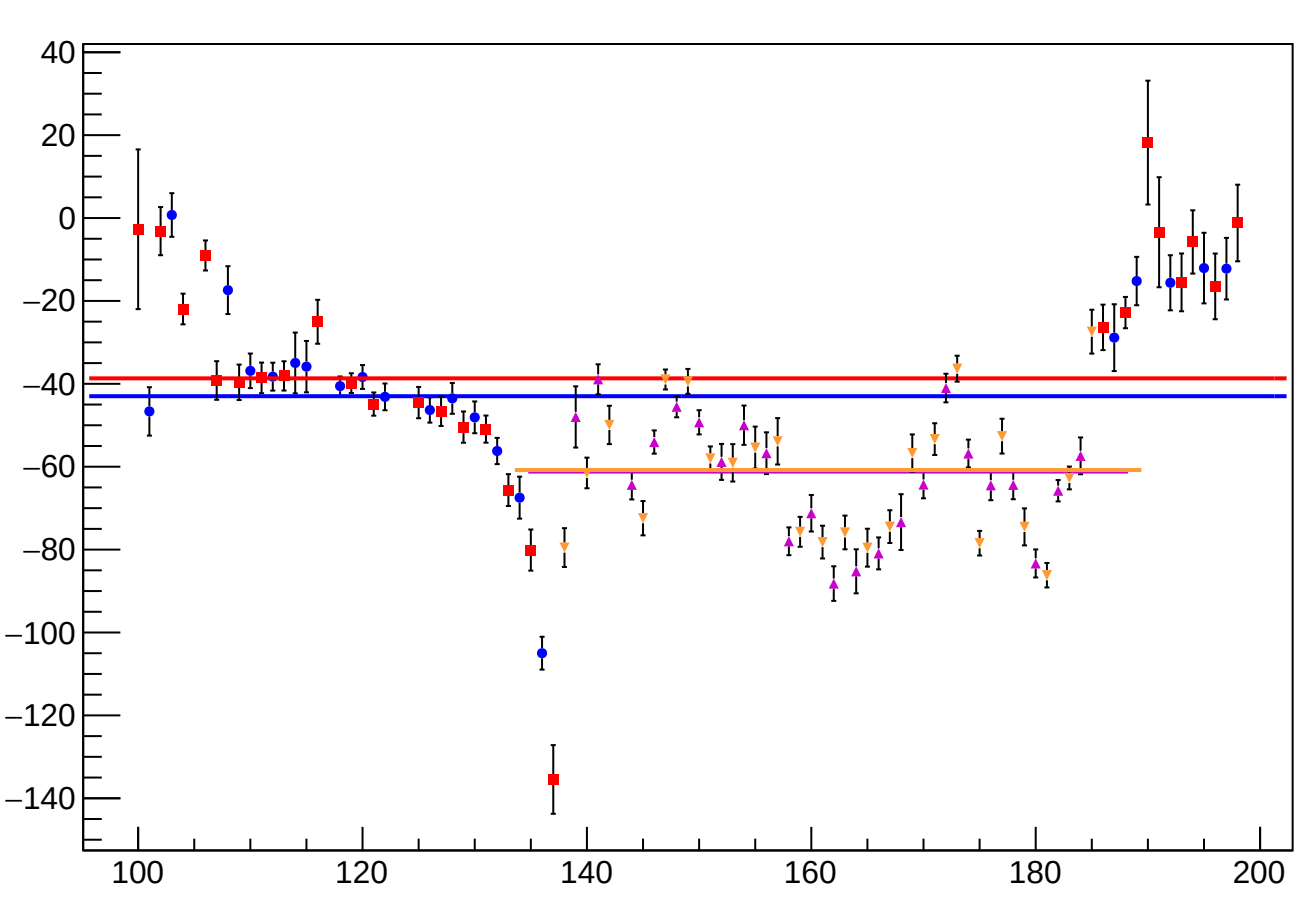
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -177.120+/-0.514 χ^2/NDF: 12953.3/46

In: -181.116+/-0.585 χ^2/NDF:6831.4/43

Out: -179.431+/-0.532 χ^2/NDF:12751.6/49

All: -180.194+/-0.393 χ^2/NDF: 19587.6/93



Right In: -42.987+/-0.899 χ^2/NDF: 461.1/20

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -38.681+/-0.849 χ^2/NDF: 524.4/25

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

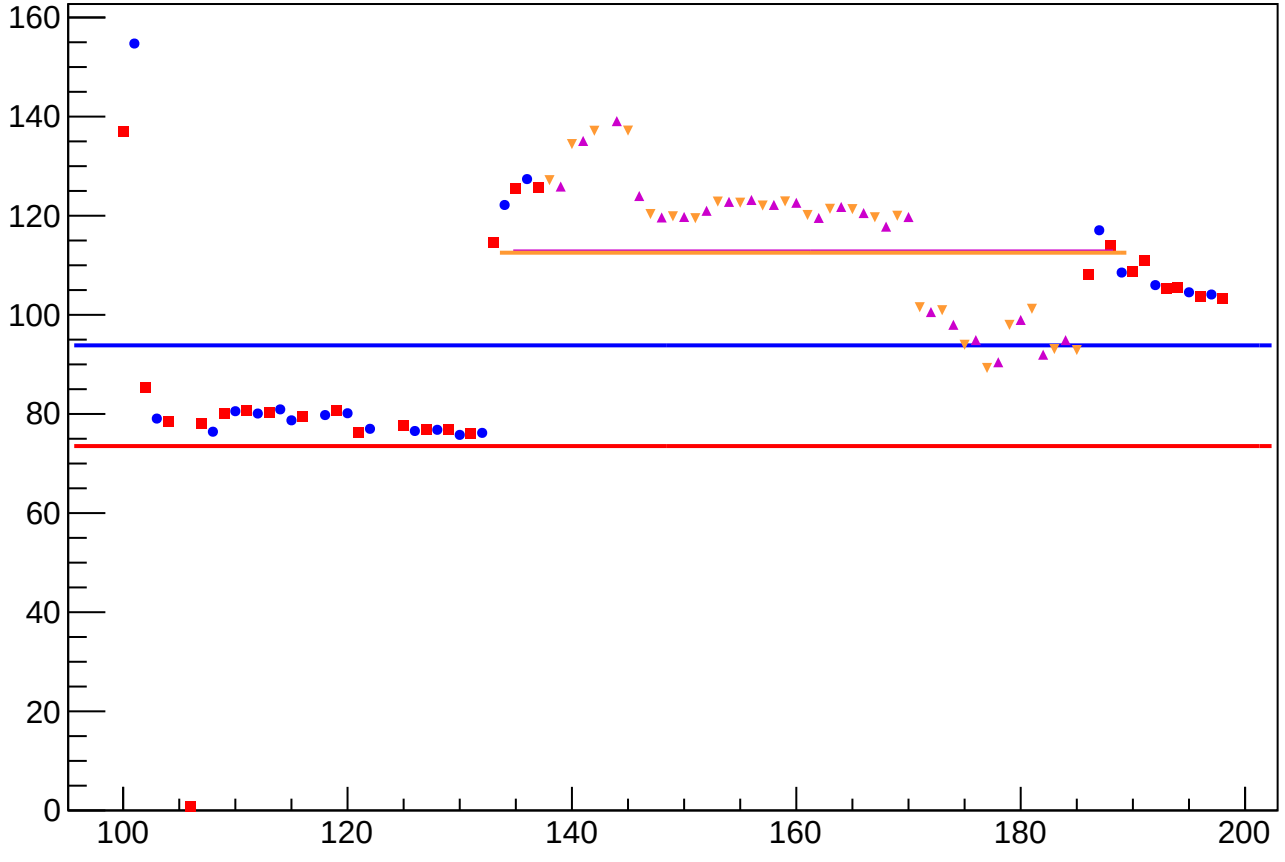
Right: -40.710+/-0.617 χ^2/NDF: 997.7/46

In: -53.631+/-0.579 χ^2/NDF:1017.4/43

Out: -51.117+/-0.562 χ^2/NDF:1380.3/49

All: -52.336+/-0.403 χ^2/NDF: 2407.5/93

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 93.842+/-0.052 χ^2/NDF: 176340.0/20

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 73.522+/-0.044 χ^2/NDF: 831937.6/25

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

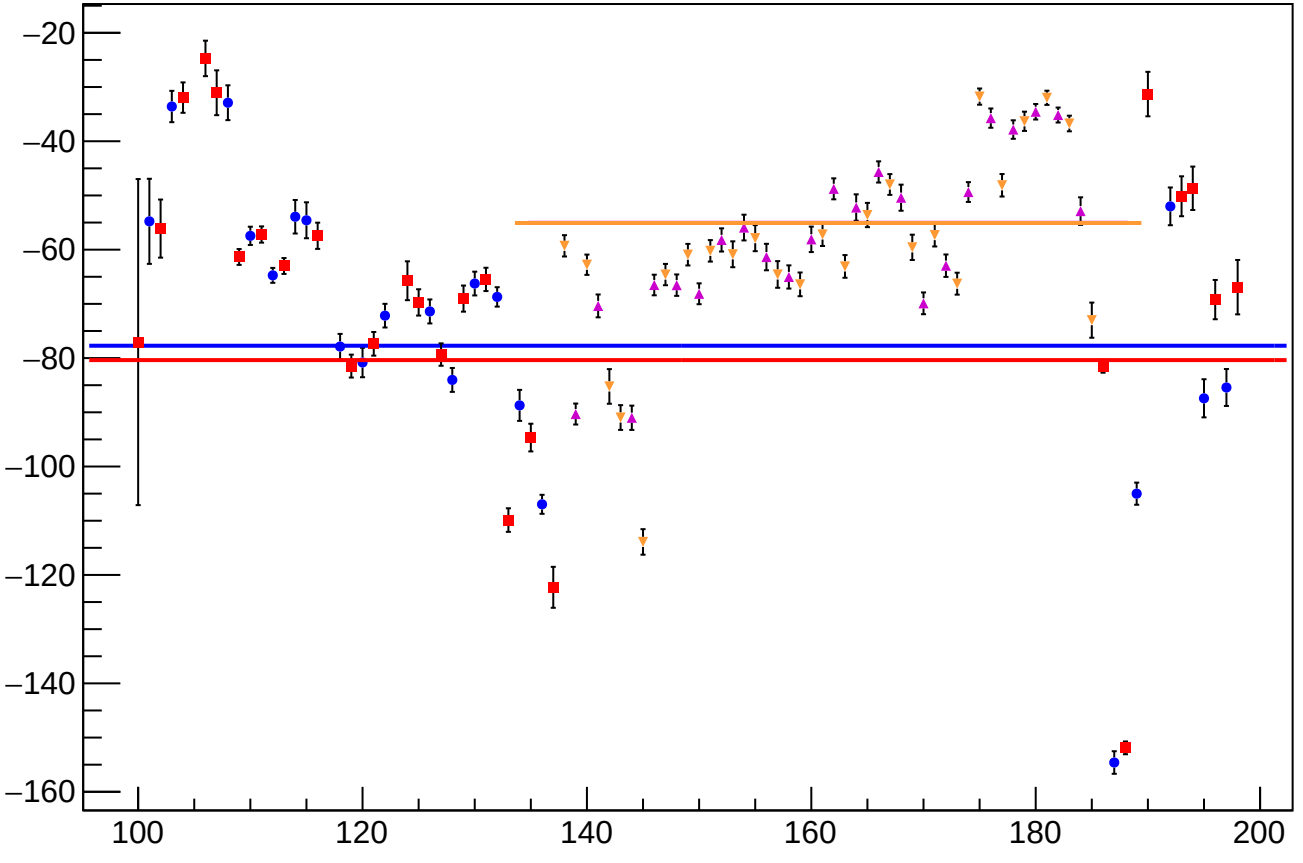
Right: 81.833+/-0.034 χ^2/NDF: 1097115.0/46

In: 107.081+/-0.029 χ^2/NDF:439340.4/43

Out: 97.471+/-0.027 χ^2/NDF:1498029.8/49

All: 101.986+/-0.020 χ^2/NDF: 1996489.3/93

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -77.720+/-0.504 χ^2/NDF: 2758.0/20

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -80.370+/-0.432 χ^2/NDF: 5801.6/25

Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

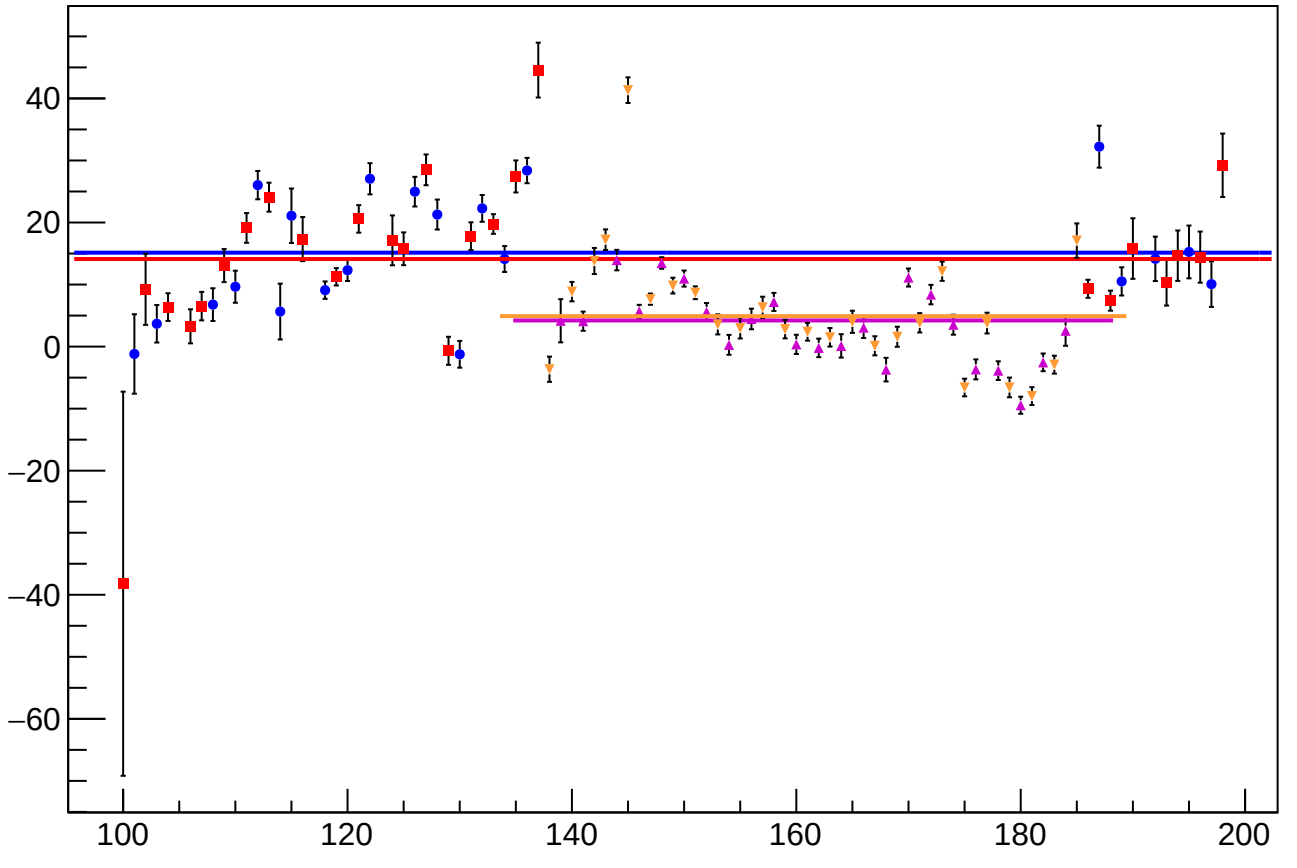
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

Right: -79.247+/-0.328 χ^2/NDF: 8575.6/46

In: -64.087+/-0.318 χ^2/NDF:5515.7/43

Out: -66.757+/-0.294 χ^2/NDF:9645.9/50

All: -65.528+/-0.216 χ^2/NDF: 15199.6/94


reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
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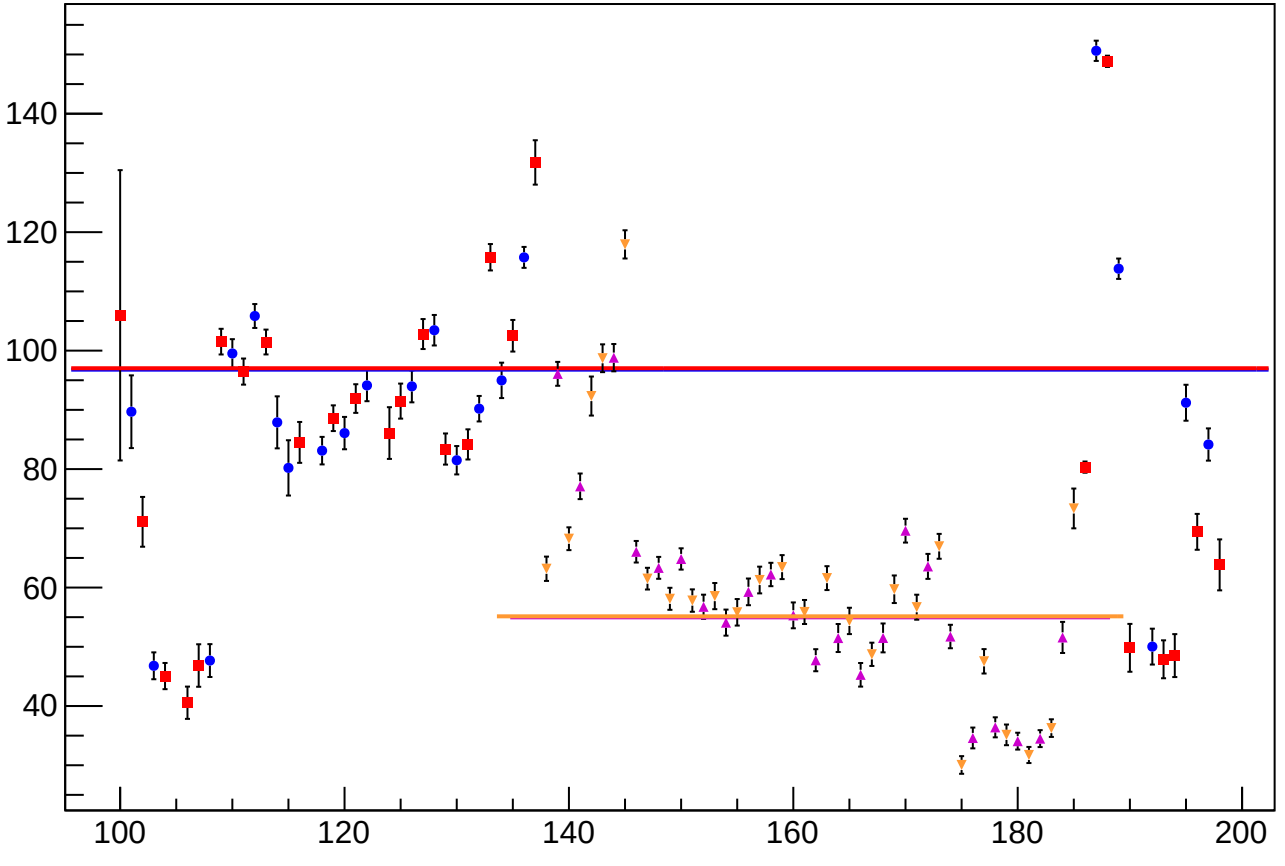
140
160
180
200
Right In: 15.142+/-0.538 χ²/NDF: 274.1/20
Left Out: 4.910+/-0.301 χ²/NDF:741.5/24
Right Out: 14.117+/-0.480 χ²/NDF: 283.4/25
Left In: 4.215+/-0.312 χ²/NDF:415.1/22
Left: 4.575+/-0.217 χ²/NDF: 1159.1/47
Right: 14.571+/-0.358 χ²/NDF: 559.5/46
In: 6.968+/-0.270 χ²/NDF:997.5/43
Out: 7.512+/-0.255 χ²/NDF:1288.6/50
All: 7.255+/-0.186 χ²/NDF: 2288.2/94

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 96.789+/-0.537 χ^2/NDF: 2415.8/20

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 97.026+/-0.436 χ^2/NDF: 5473.3/25

Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

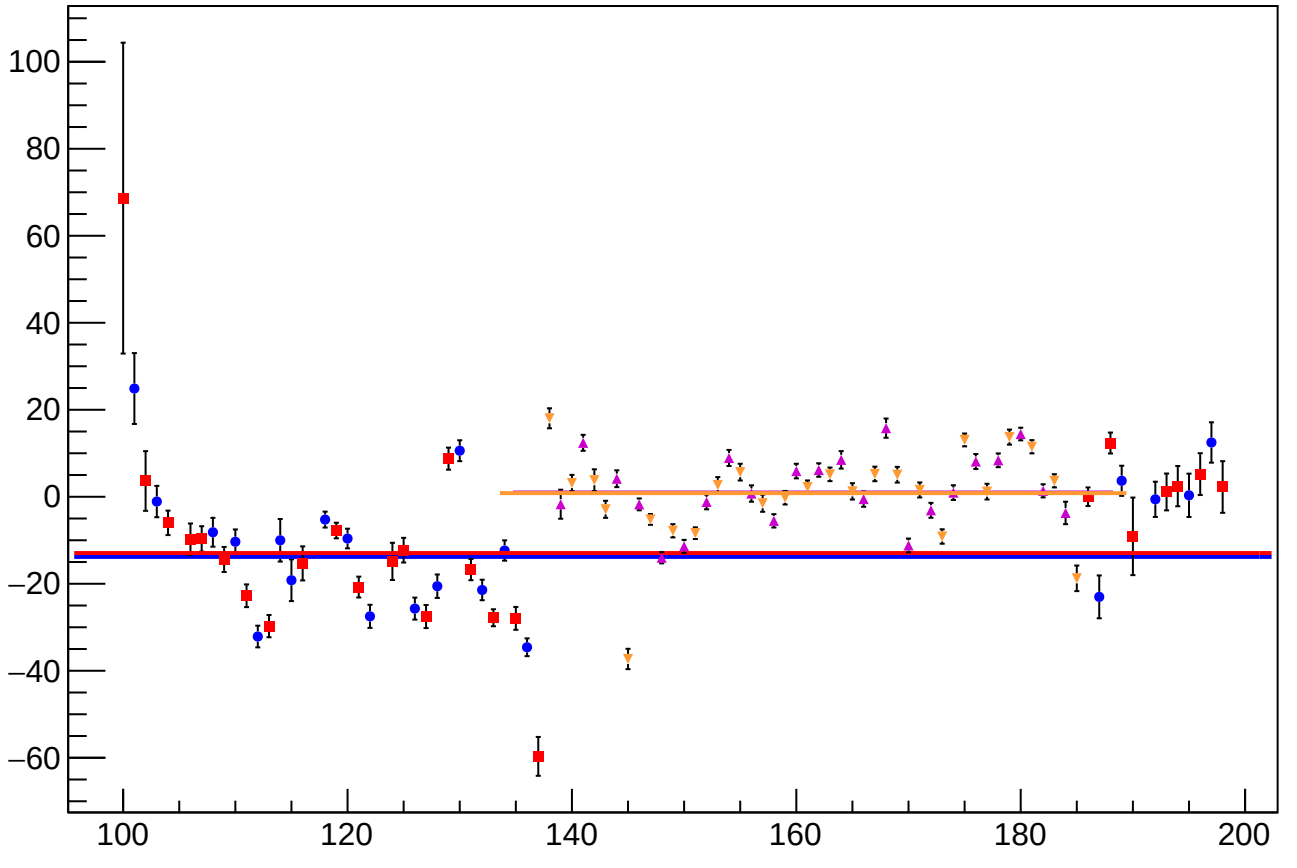
Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

Right: 96.932+/-0.339 χ^2/NDF: 7889.2/46

In: 70.166+/-0.324 χ^2/NDF:8058.6/43

Out: 74.104+/-0.294 χ^2/NDF:12757.2/50

All: 72.326+/-0.217 χ^2/NDF: 20897.0/94



Right In: -13.823+/-0.629 χ^2/NDF: 472.5/20

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -12.940+/-0.578 χ^2/NDF: 592.2/25

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

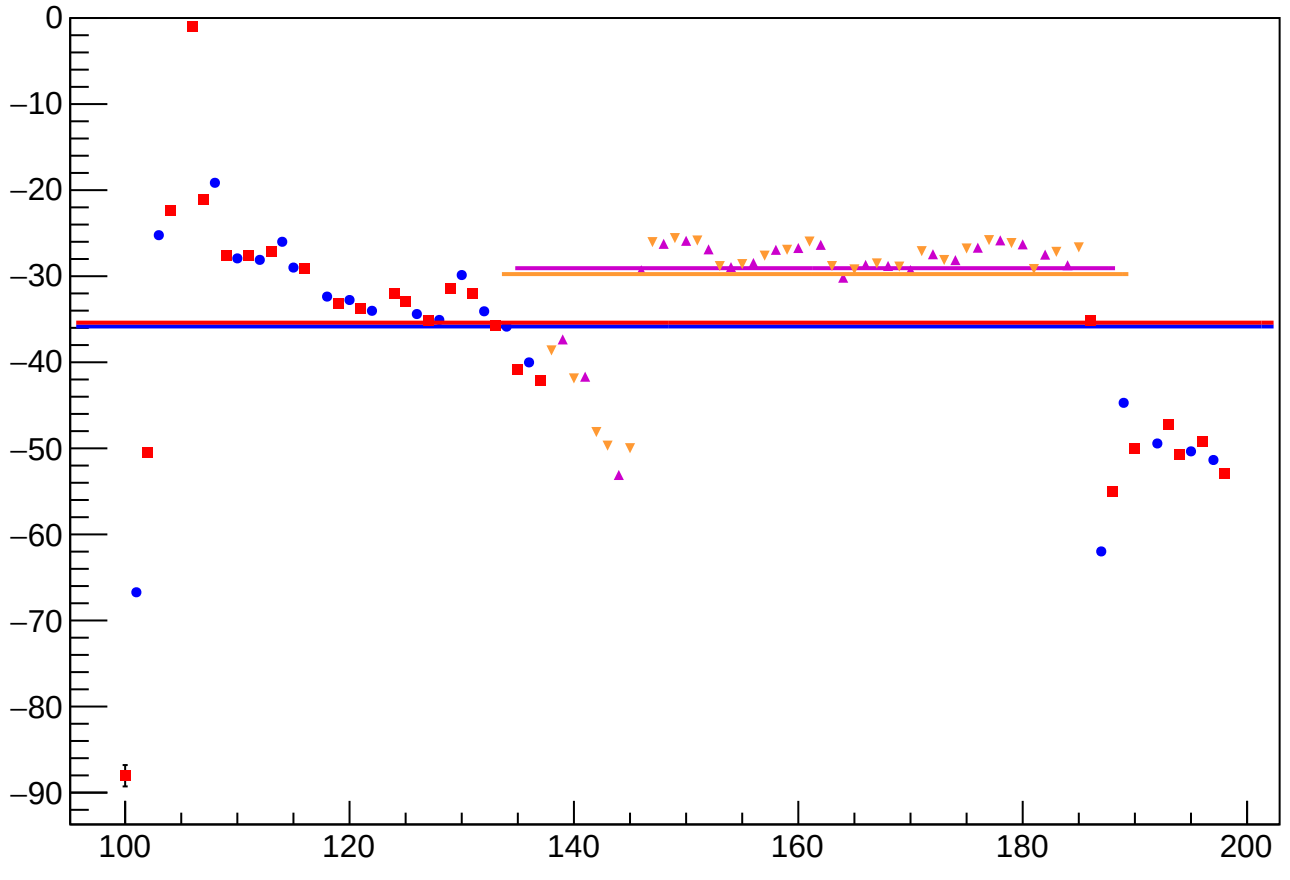
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -13.345+/-0.426 χ^2/NDF: 1065.7/46

In: -2.574+/-0.308 χ^2/NDF:1452.4/43

Out: -2.746+/-0.295 χ^2/NDF:1729.6/50

All: -2.664+/-0.213 χ^2/NDF: 3182.2/94



Right In: -35.838+/-0.034 χ^2/NDF: 93055.1/20

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -35.395+/-0.032 χ^2/NDF: 188214.2/25

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

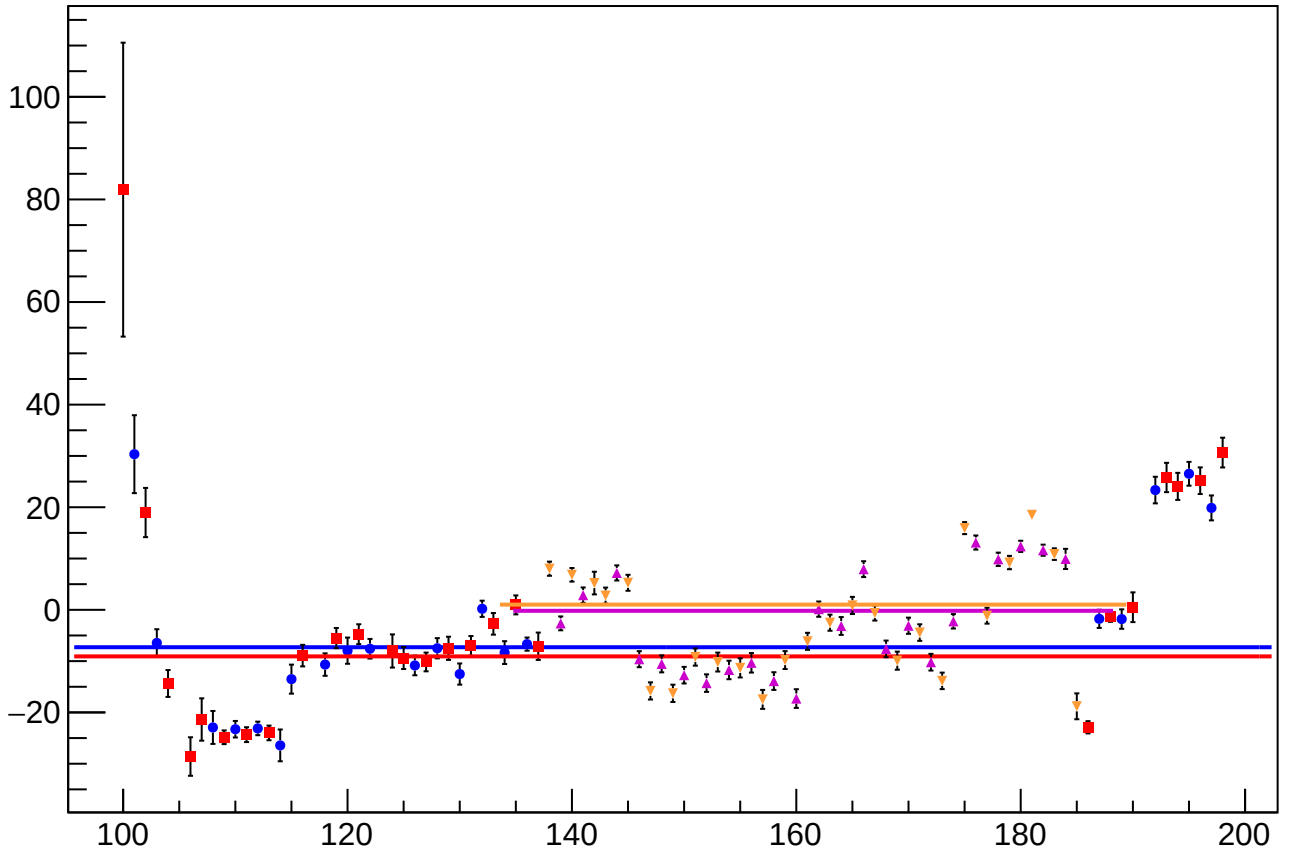
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -35.603+/-0.023 χ^2/NDF: 281360.1/46

In: -30.277+/-0.014 χ^2/NDF:227431.7/43

Out: -30.843+/-0.014 χ^2/NDF:377092.1/50

All: -30.566+/-0.010 χ^2/NDF: 605323.0/94



Right In: -7.290+/-0.441 χ^2/NDF: 863.0/20

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -9.078+/-0.387 χ^2/NDF: 1365.8/25

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

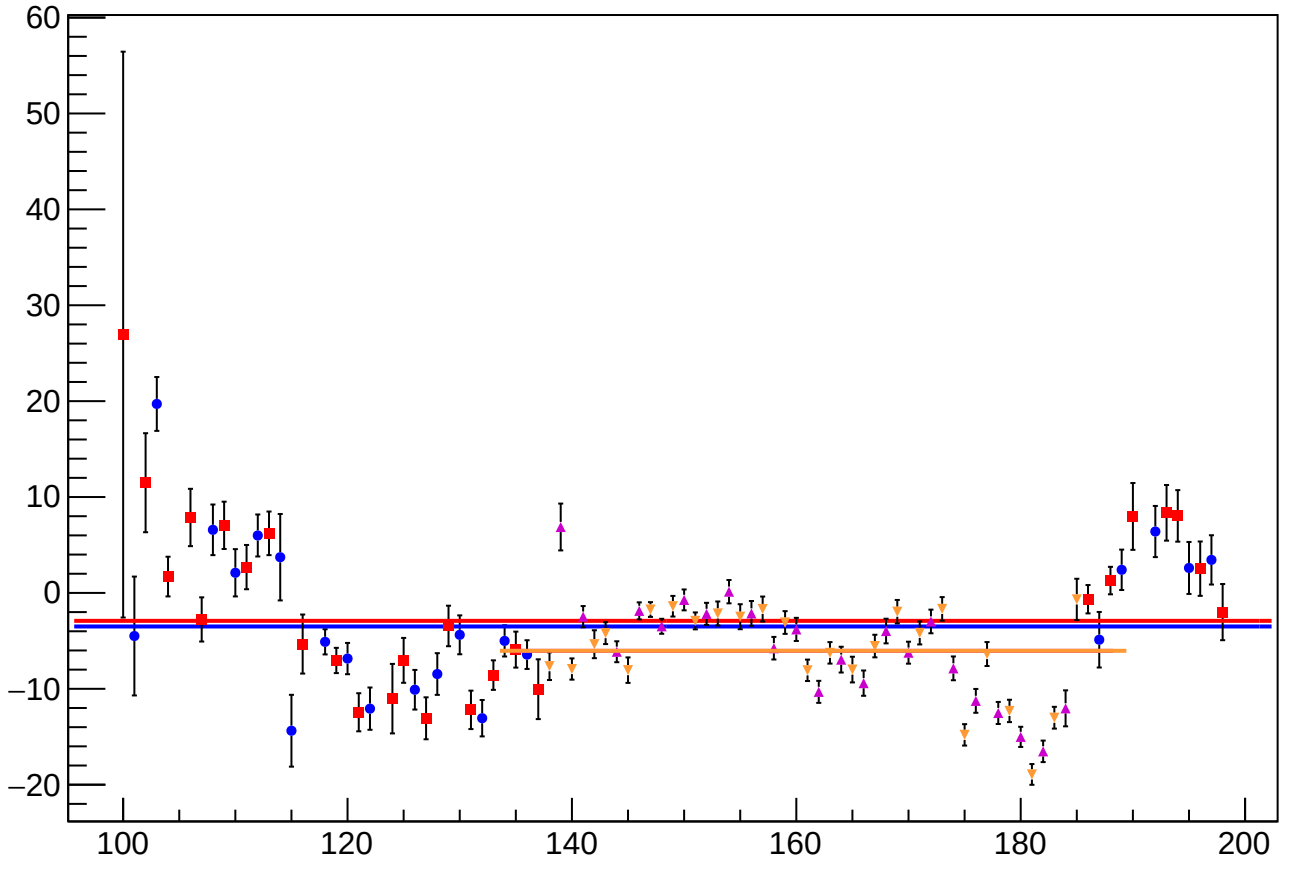
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

Right: -8.298+/-0.291 χ^2/NDF: 2238.1/46

In: -2.589+/-0.256 χ^2/NDF:2017.7/43

Out: -2.842+/-0.240 χ^2/NDF:3120.0/50

All: -2.724+/-0.175 χ^2/NDF: 5138.2/94


reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
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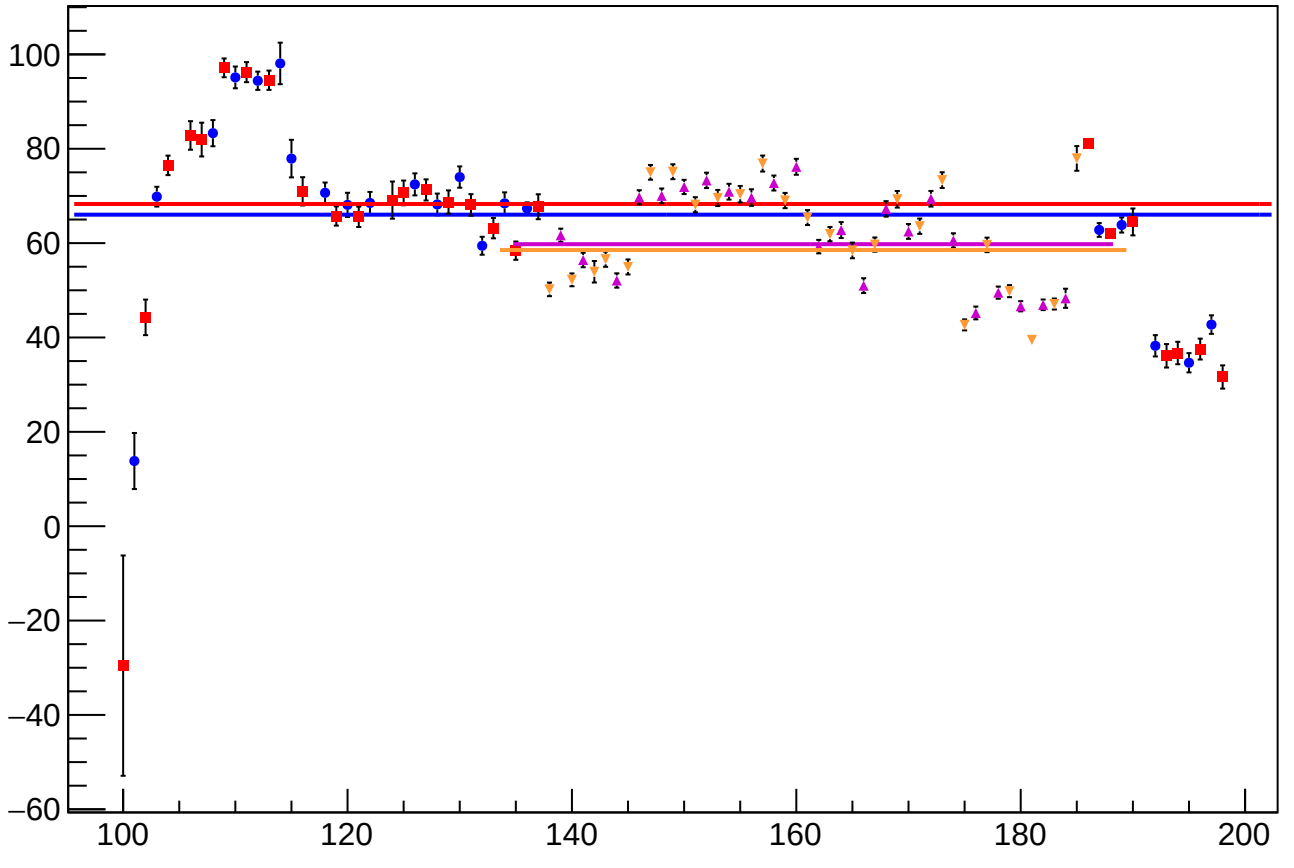
−20
100
120
140
160
180
200
Right In: -3.500+/-0.471 χ²/NDF: 218.5/20
Left Out: -6.035+/-0.233 χ²/NDF:414.9/24
Right Out: -2.912+/-0.433 χ²/NDF: 227.2/25
Left In: -6.043+/-0.243 χ²/NDF:396.2/22
Left: -6.039+/-0.168 χ²/NDF: 811.1/47
Right: -3.181+/-0.319 χ²/NDF: 446.6/46
In: -5.509+/-0.216 χ²/NDF:637.8/43
Out: -5.333+/-0.205 χ²/NDF:682.4/50
All: -5.417+/-0.149 χ²/NDF: 1320.6/94



Right In: 66.031+/-0.462 χ^2/NDF: 1132.0/20

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 68.291+/-0.390 χ^2/NDF: 1692.0/25

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

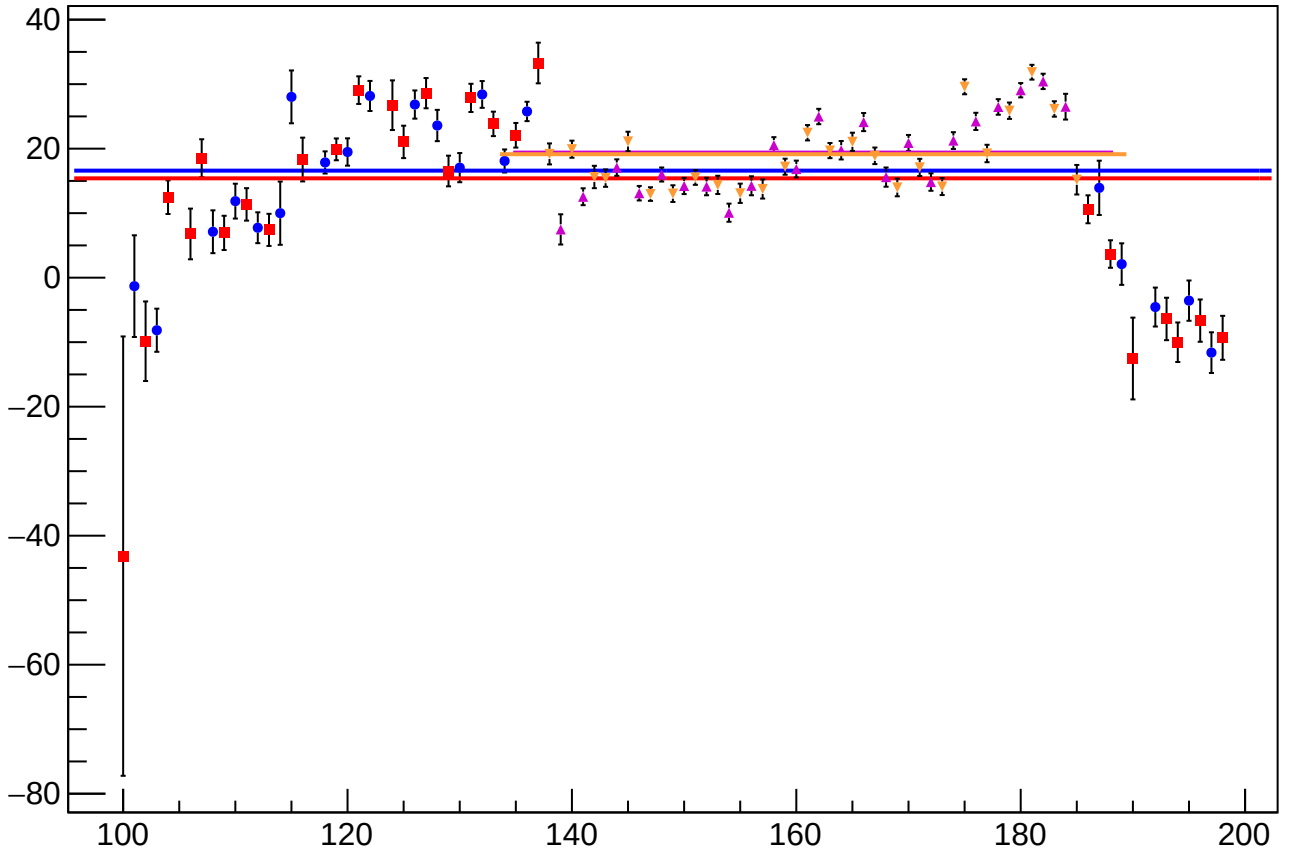
Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

Right: 67.351+/-0.298 χ^2/NDF: 2838.0/46

In: 61.731+/-0.258 χ^2/NDF:2328.4/43

Out: 62.208+/-0.239 χ^2/NDF:3531.7/50

All: 61.988+/-0.176 χ^2/NDF: 5862.0/94



Right In: 16.593+/-0.544 χ^2/NDF: 413.7/20

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 15.398+/-0.516 χ^2/NDF: 506.1/25

Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

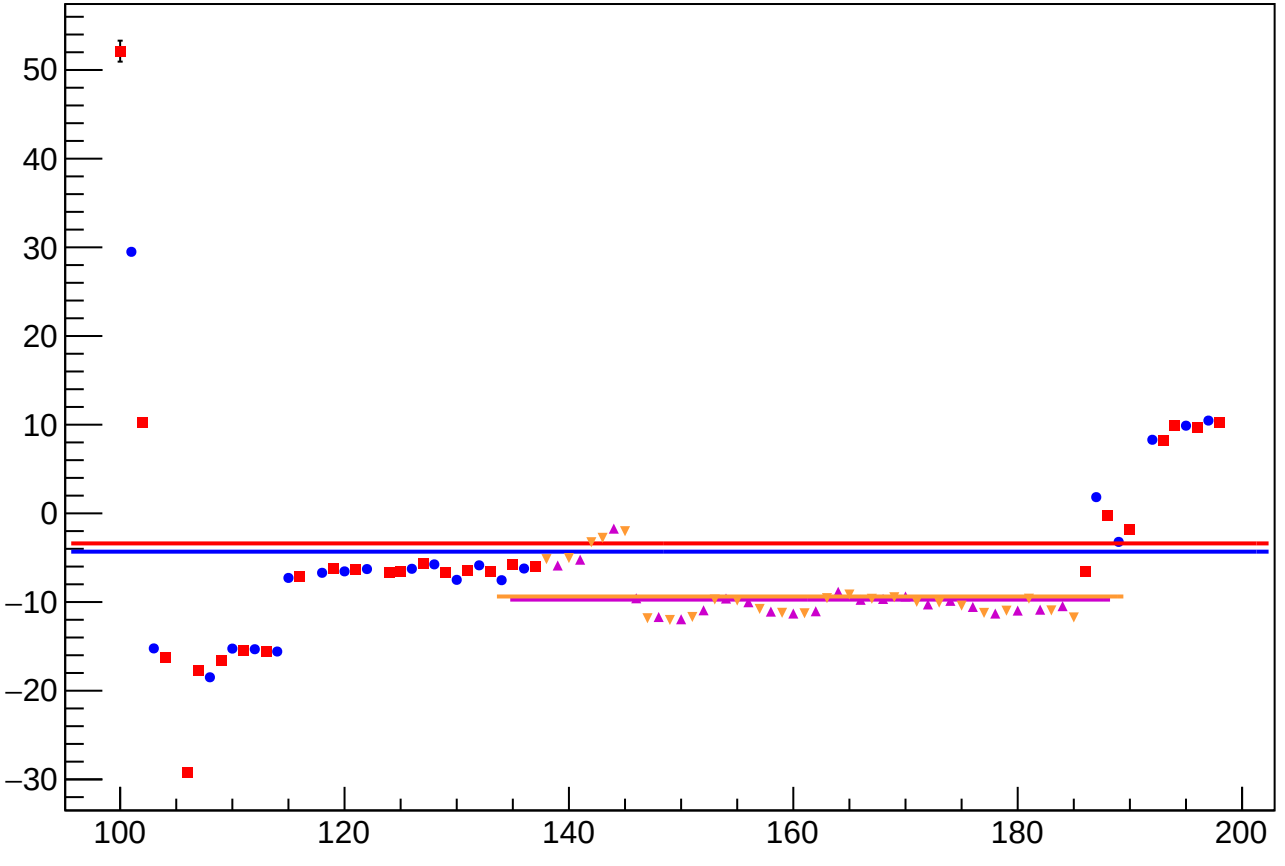
Right: 15.965+/-0.374 χ^2/NDF: 922.4/46

In: 18.824+/-0.244 χ^2/NDF:902.6/43

Out: 18.363+/-0.235 χ^2/NDF:981.4/50

All: 18.585+/-0.169 χ^2/NDF: 1885.9/94

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -4.319+/-0.028 χ^2/NDF: 115233.2/20

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -3.388+/-0.027 χ^2/NDF: 160151.0/25

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

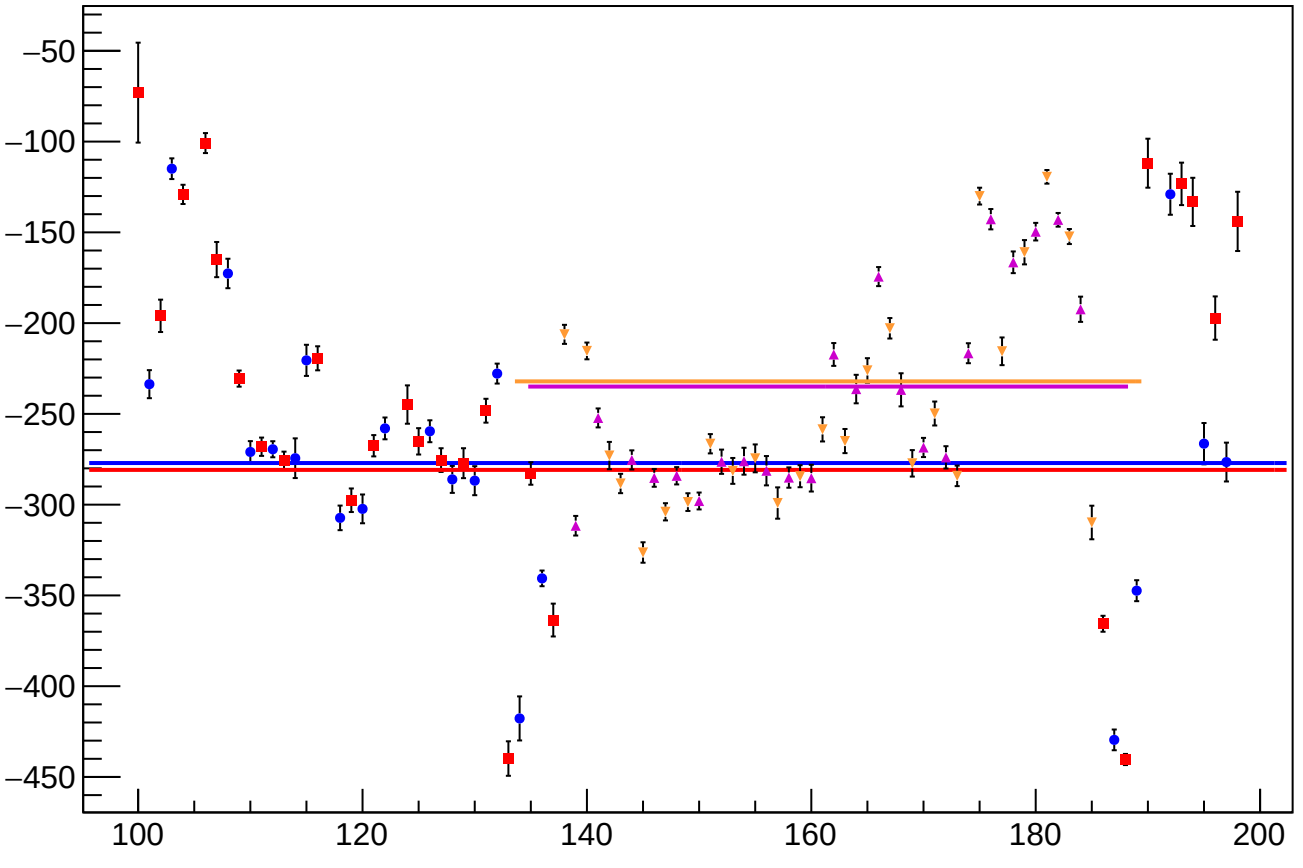
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

Right: -3.838+/-0.019 χ^2/NDF: 275973.0/46

In: -8.852+/-0.011 χ^2/NDF:179387.1/43

Out: -8.382+/-0.011 χ^2/NDF:252169.7/50

All: -8.612+/-0.008 χ^2/NDF: 432473.8/94



Right In: -277.072+/-1.460 χ^2/NDF: 2568.8/20

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -280.856+/-1.262 χ^2/NDF: 6479.2/25

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

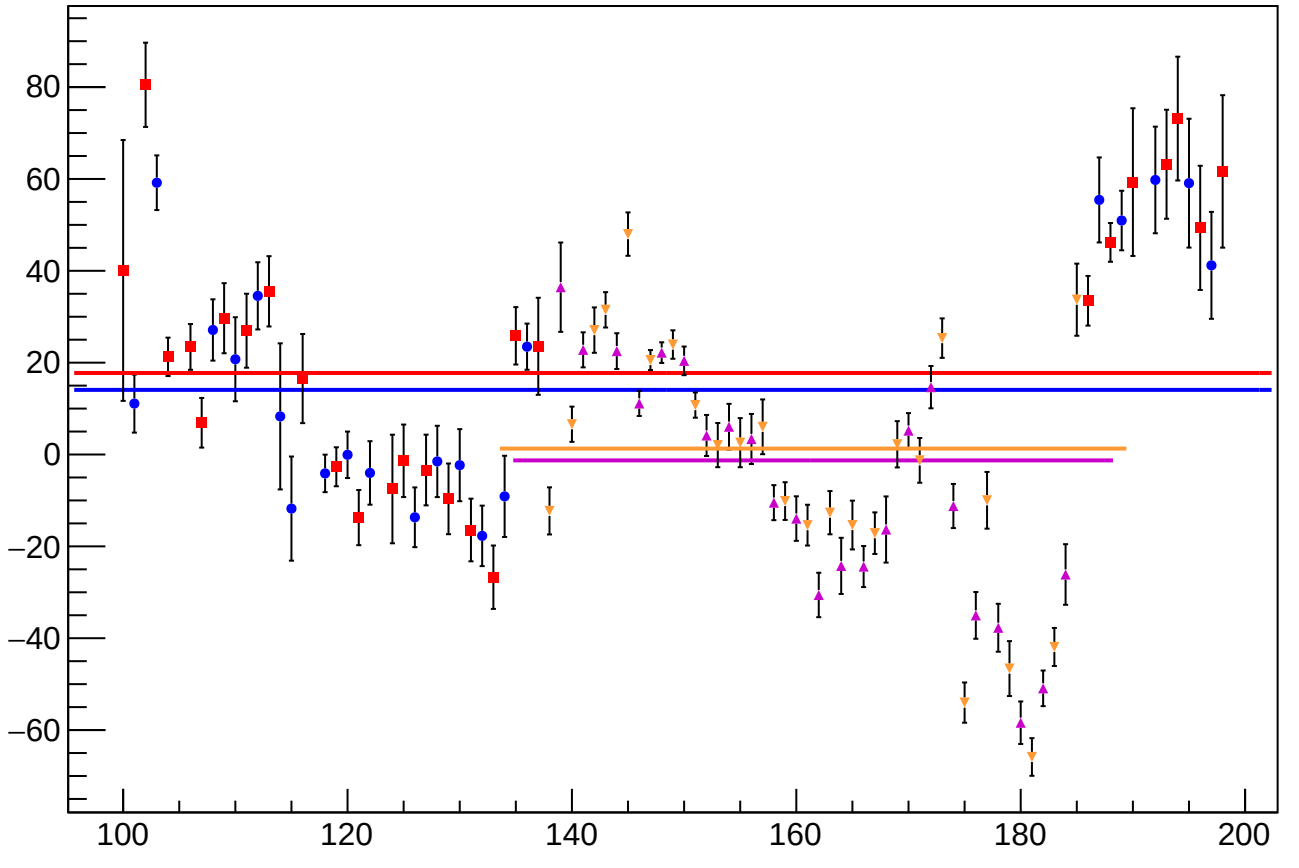
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -279.239+/-0.955 χ^2/NDF: 9051.9/46

In: -251.517+/-0.916 χ^2/NDF:5543.8/43

Out: -254.073+/-0.847 χ^2/NDF:10569.7/50

All: -252.894+/-0.622 χ^2/NDF: 16117.7/94



Right In: 14.074+/-1.533 χ^2/NDF: 253.5/20

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 17.754+/-1.363 χ^2/NDF: 317.0/25

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

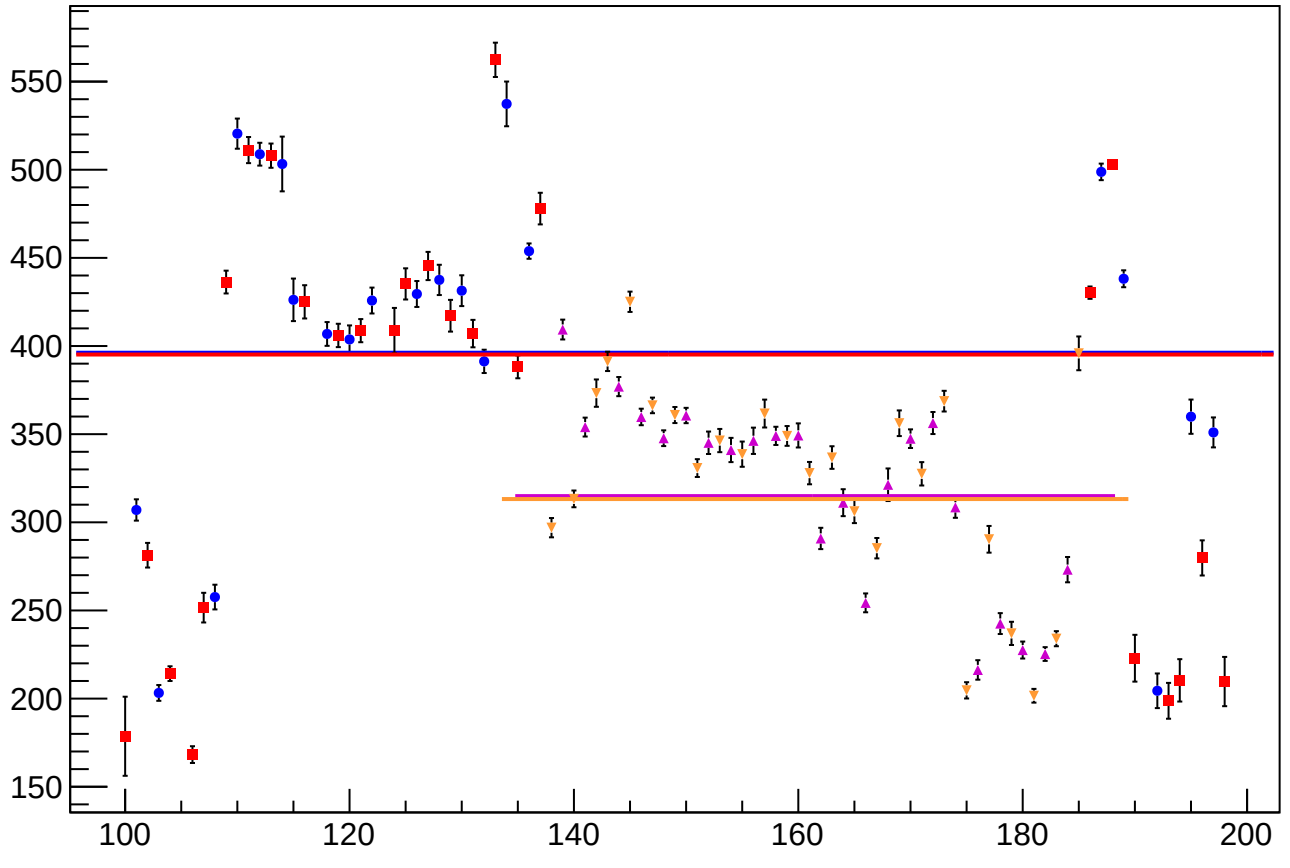
Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

Right: 16.130+/-1.019 χ^2/NDF: 573.7/46

In: 2.452+/-0.756 χ^2/NDF:1140.6/43

Out: 5.801+/-0.713 χ^2/NDF:1472.3/50

All: 4.224+/-0.519 χ^2/NDF: 2623.3/94



Right In: 396.195+/-1.485 χ^2/NDF: 4388.8/20

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 395.179+/-1.237 χ^2/NDF: 8929.4/25

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

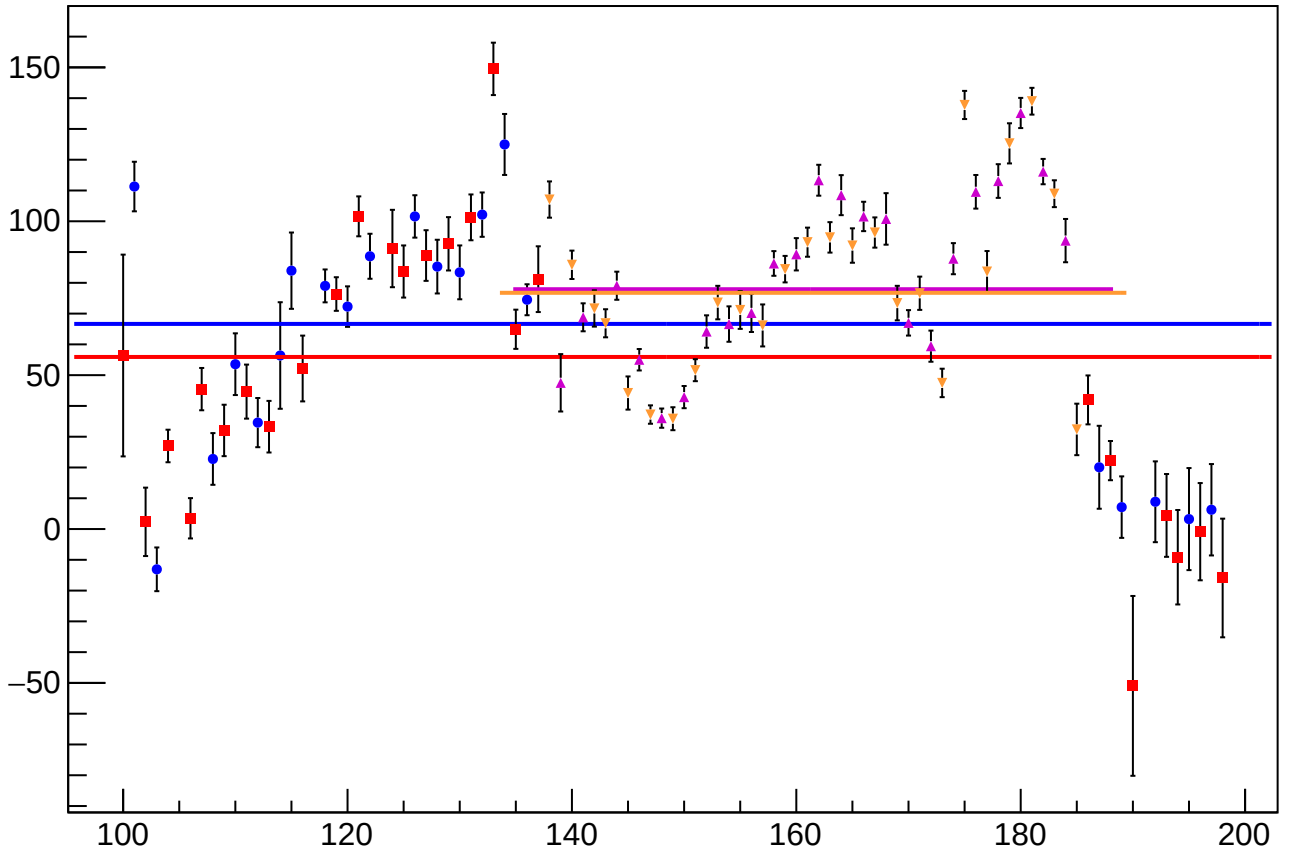
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 395.596+/-0.951 χ^2/NDF: 13318.4/46

In: 345.719+/-0.915 χ^2/NDF:8678.4/43

Out: 350.617+/-0.836 χ^2/NDF:14450.8/50

All: 348.388+/-0.617 χ^2/NDF: 23144.8/94



Right In: 66.650+/-1.804 χ^2/NDF: 412.6/20

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 55.913+/-1.647 χ^2/NDF: 522.4/25

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

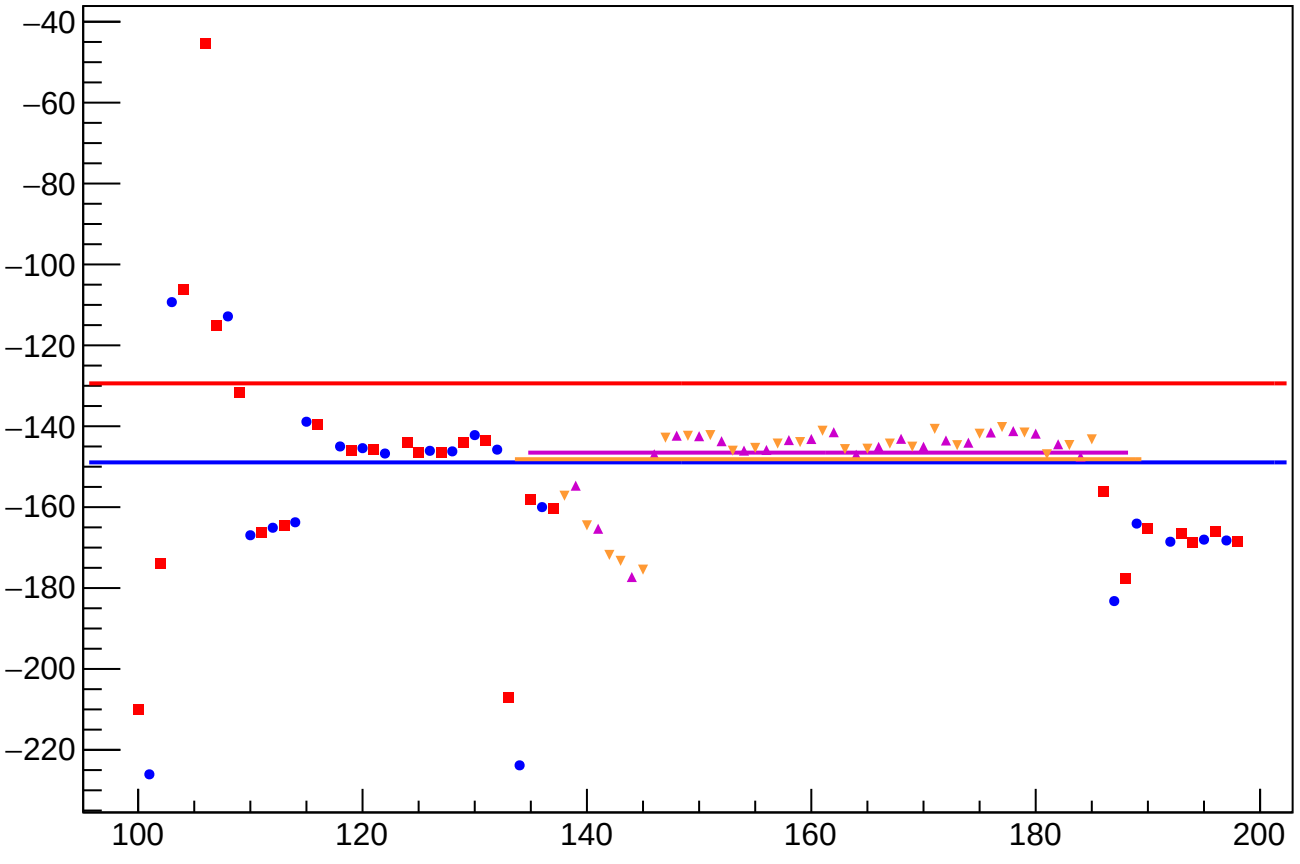
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 60.796+/-1.216 χ^2/NDF: 954.4/46

In: 75.285+/-0.872 χ^2/NDF:1226.3/43

Out: 71.418+/-0.834 χ^2/NDF:1676.9/50

All: 73.264+/-0.603 χ^2/NDF: 2913.5/94



Right In: -148.934+/-0.090 χ^2/NDF: 141476.3/20

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -129.400+/-0.080 χ^2/NDF: 330148.2/25

Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

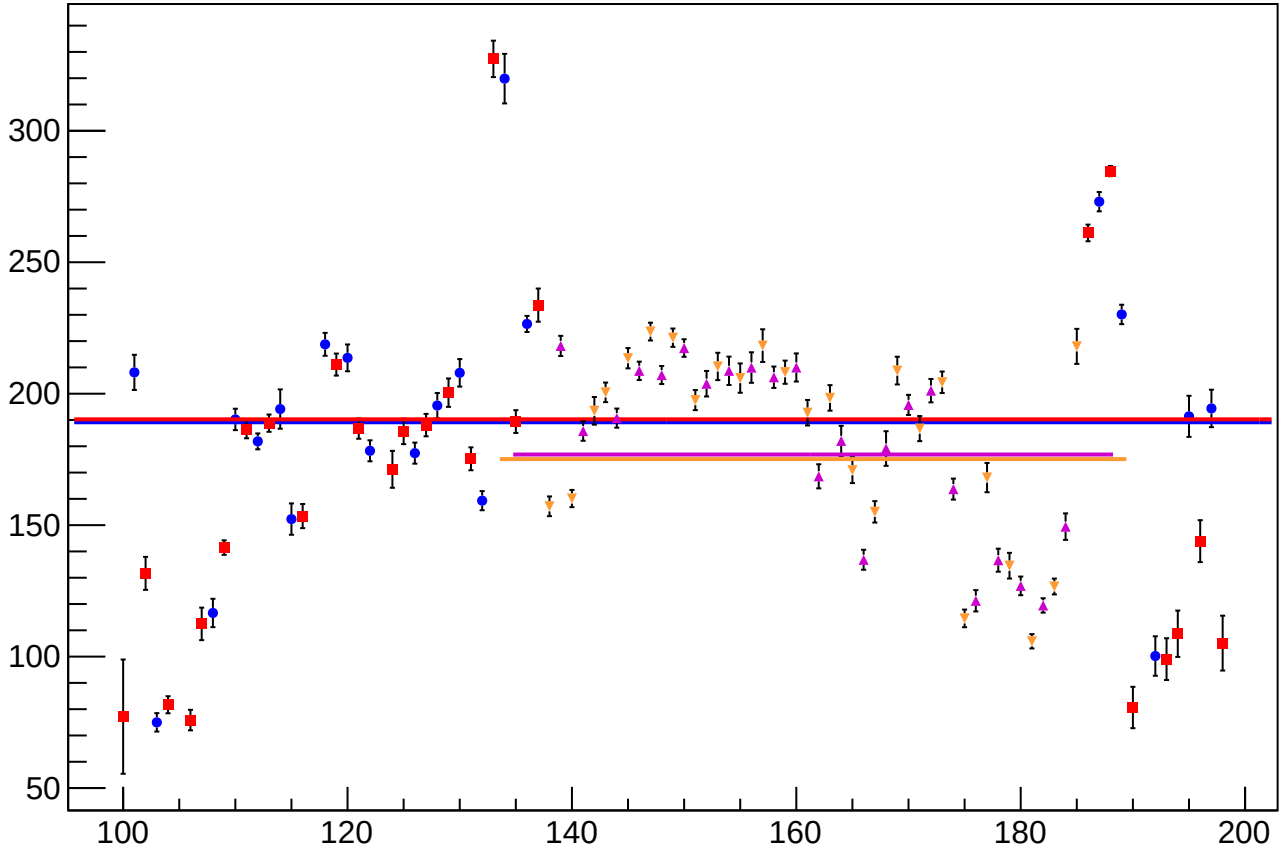
Right: -137.984+/-0.060 χ^2/NDF: 497864.0/46

In: -147.012+/-0.041 χ^2/NDF:171217.1/43

Out: -143.623+/-0.039 χ^2/NDF:420788.5/50

All: -145.258+/-0.028 χ^2/NDF: 595598.7/94

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 189.139+/-0.978 χ^2/NDF: 2589.7/20

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 190.258+/-0.835 χ^2/NDF: 6512.5/25

Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

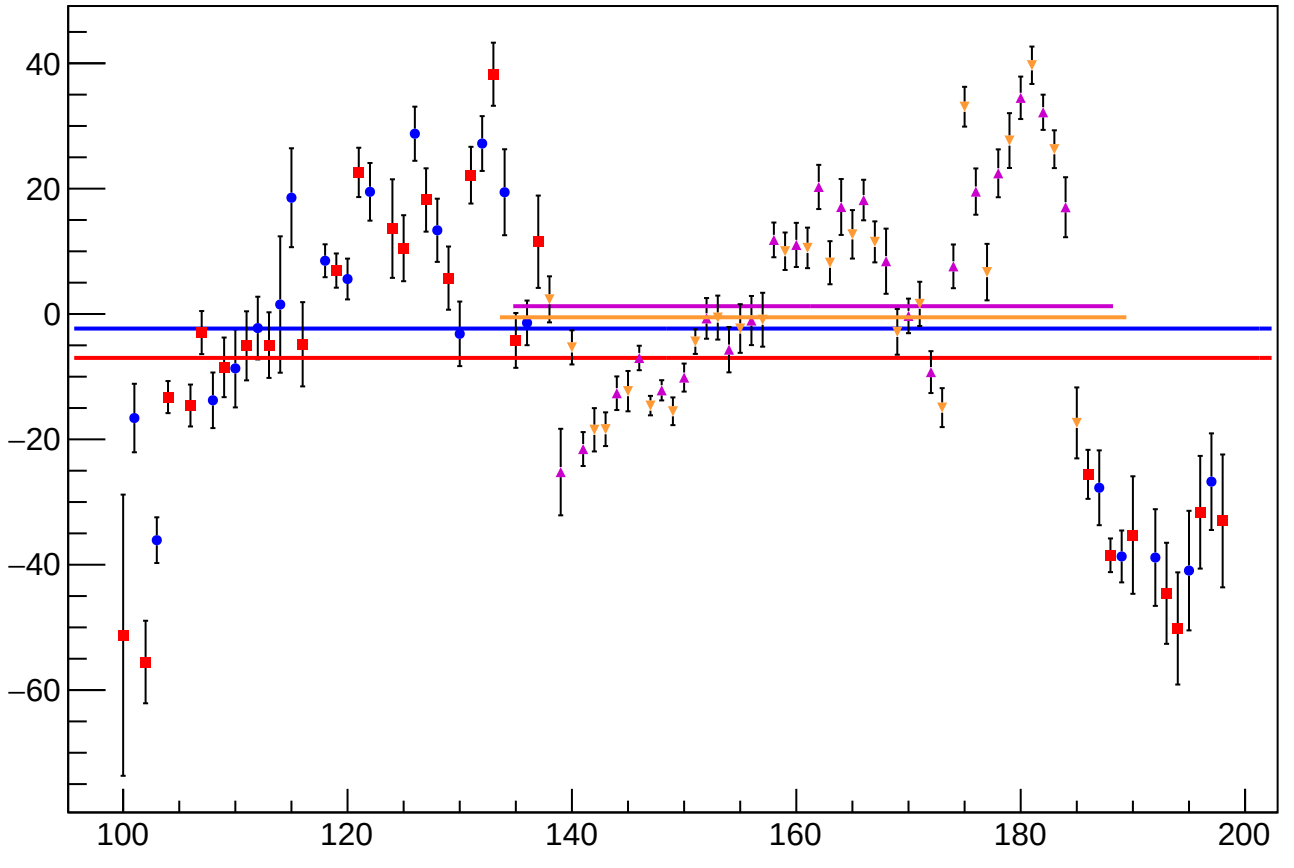
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

Right: 189.786+/-0.635 χ^2/NDF: 9103.0/46

In: 182.122+/-0.640 χ^2/NDF:4435.8/43

Out: 182.574+/-0.586 χ^2/NDF:8974.5/50

All: 182.368+/-0.432 χ^2/NDF: 13410.6/94



Right In: -2.322+/-1.026 χ^2/NDF: 414.1/20

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -7.005+/-0.898 χ^2/NDF: 559.4/25

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

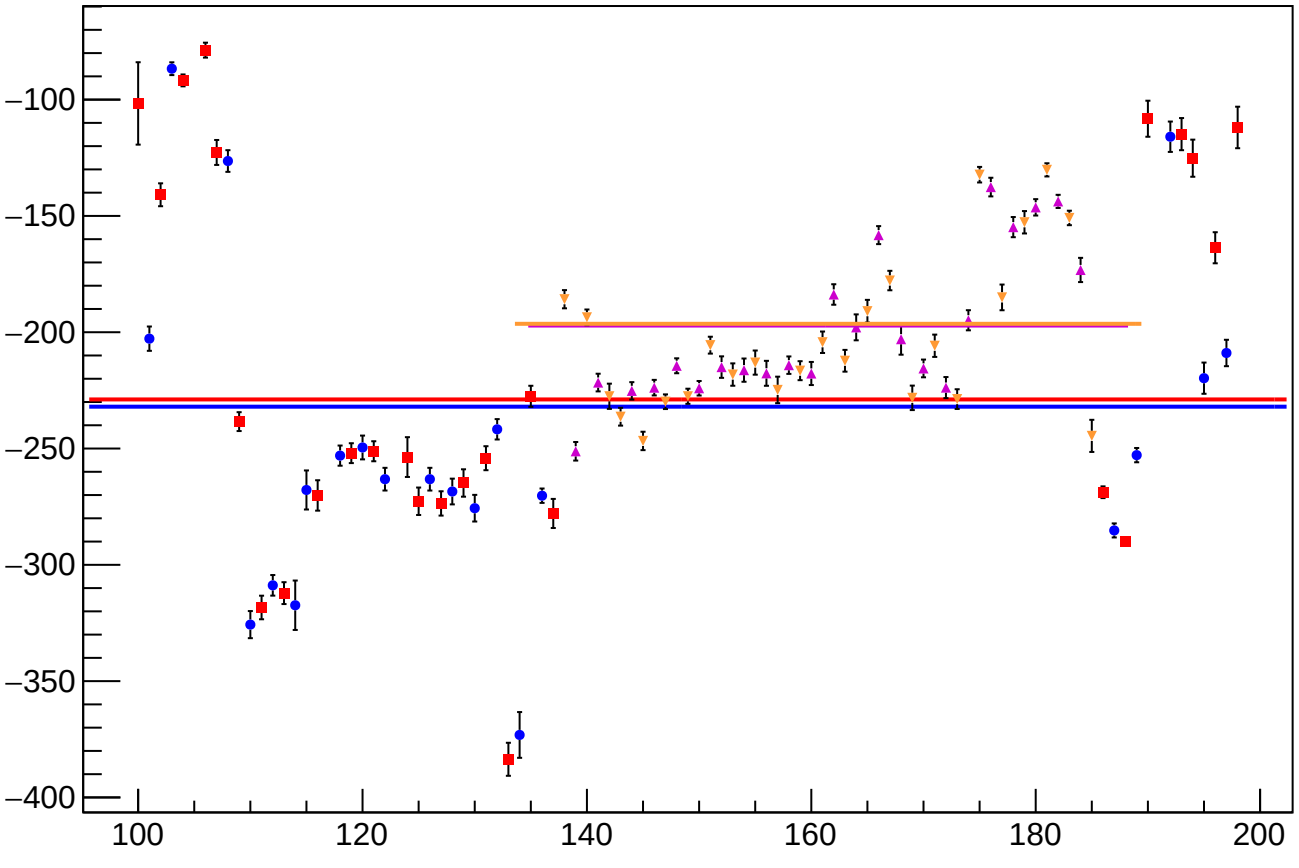
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -4.974+/-0.676 χ^2/NDF: 985.3/46

In: 0.277+/-0.534 χ^2/NDF:1043.5/43

Out: -2.528+/-0.499 χ^2/NDF:1319.9/50

All: -1.219+/-0.365 χ^2/NDF: 2378.1/94



Right In: -232.008+/-0.992 χ^2/NDF: 5257.3/20

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -228.892+/-0.815 χ^2/NDF: 10031.9/25

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

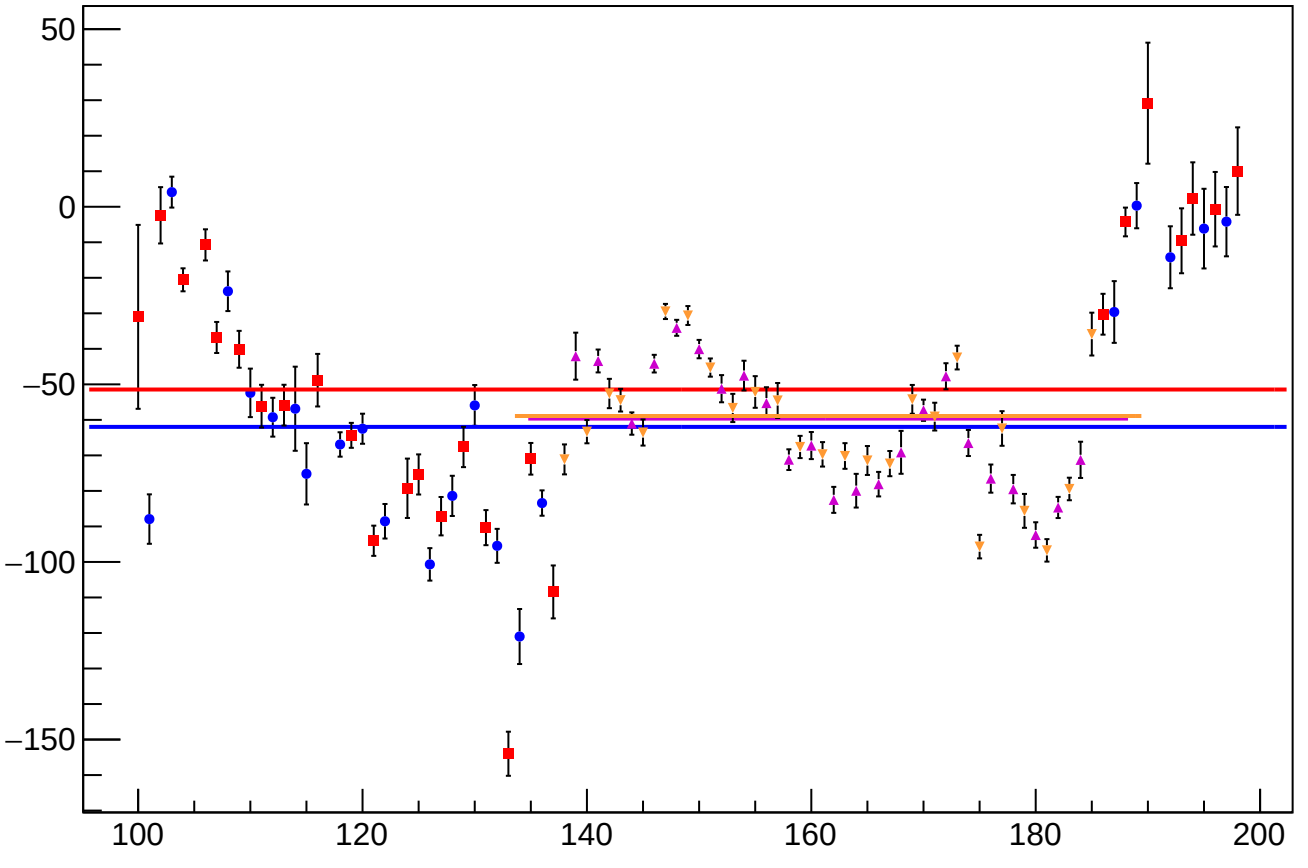
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -230.148+/-0.630 χ^2/NDF: 15295.2/46

In: -211.634+/-0.640 χ^2/NDF:7581.4/43

Out: -212.651+/-0.577 χ^2/NDF:12824.6/50

All: -212.195+/-0.428 χ^2/NDF: 20407.3/94



Right In: -61.975+/-1.211 χ^2/NDF: 755.1/20

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -51.453+/-1.088 χ^2/NDF: 1109.4/25

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

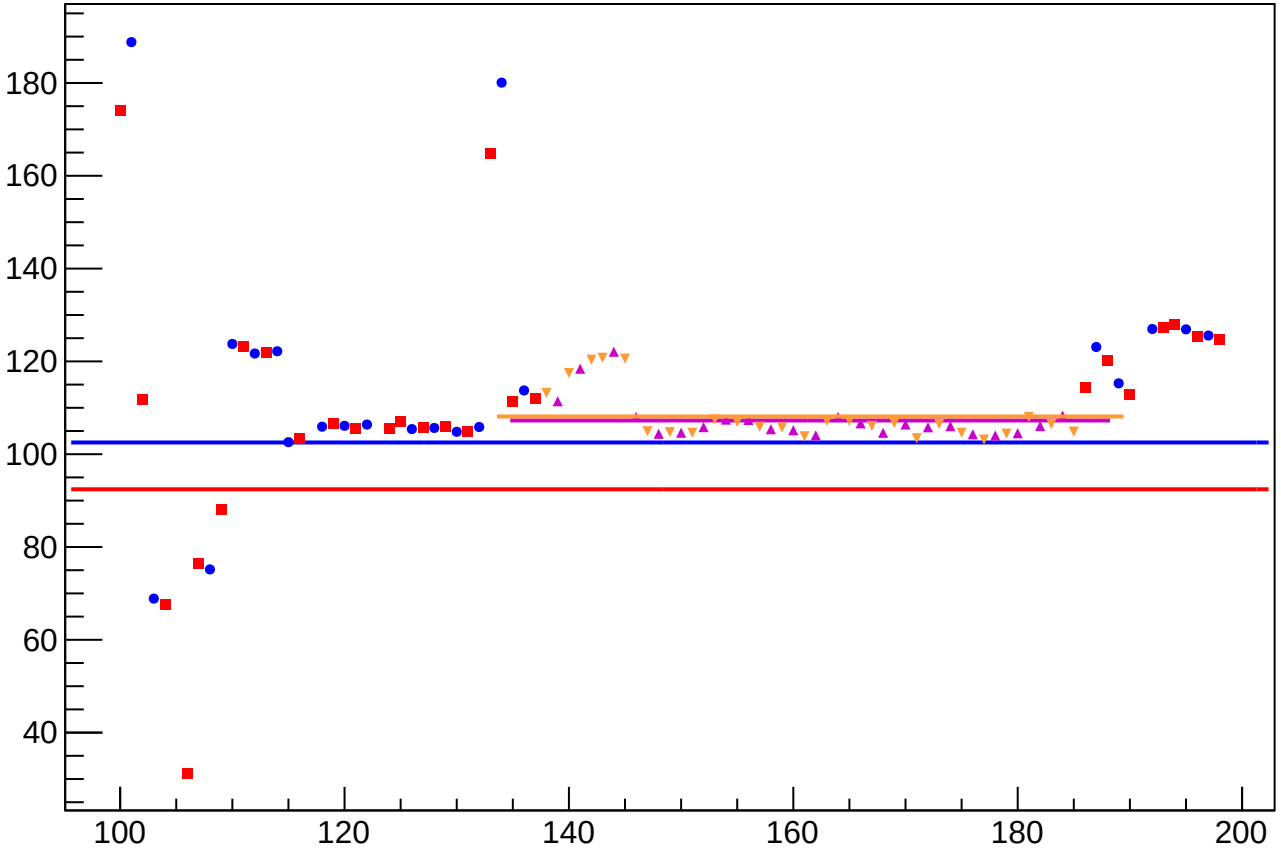
Right: -56.150+/-0.809 χ^2/NDF: 1906.3/46

In: -60.245+/-0.618 χ^2/NDF:1354.9/43

Out: -56.749+/-0.586 χ^2/NDF:1925.3/50

All: -58.403+/-0.425 χ^2/NDF: 3297.1/94

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 102.527+/-0.060 χ^2/NDF: 253380.1/20

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

Right Out: 92.442+/-0.054 χ^2/NDF: 353546.3/25

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

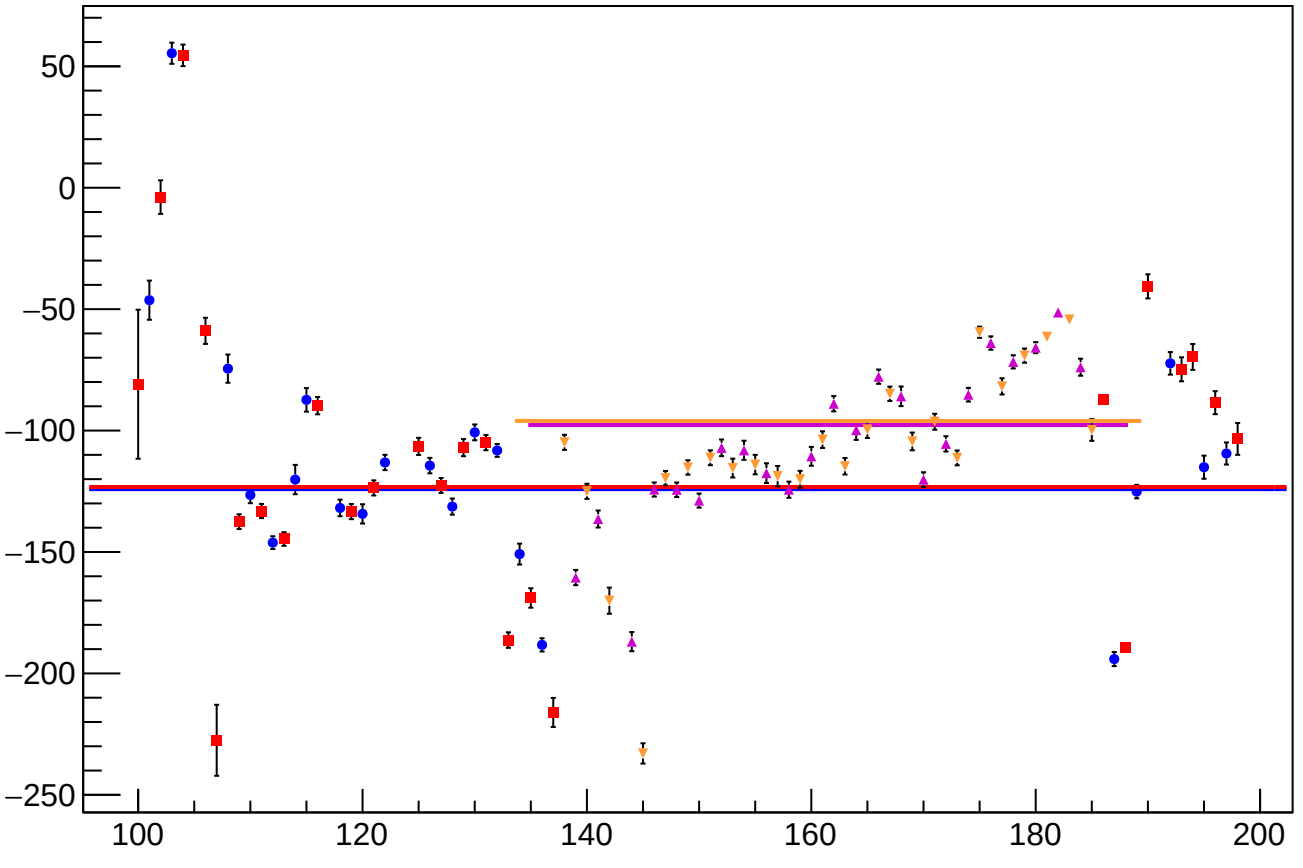
Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

Right: 96.930+/-0.040 χ^2/NDF: 622430.8/46

In: 106.183+/-0.029 χ^2/NDF:275017.6/43

Out: 103.975+/-0.028 χ^2/NDF:441966.6/50

All: 105.039+/-0.020 χ^2/NDF: 720020.8/94



Right In: -124.106+/-0.779 χ^2/NDF: 3431.7/20

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

Right Out: -123.230+/-0.669 χ^2/NDF: 5786.0/24

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

Left: -96.865+/-0.450 χ^2/NDF: 5415.3/46

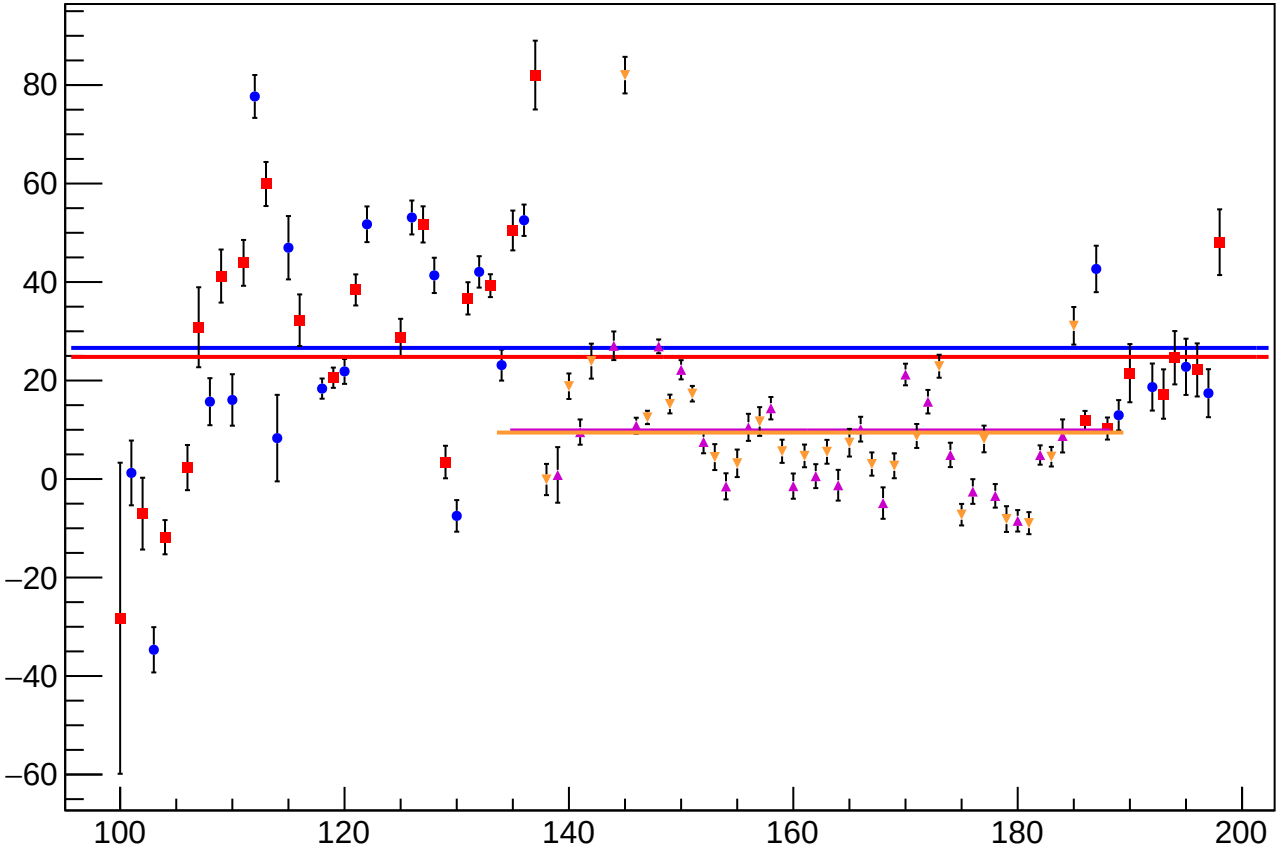
Right: -123.602+/-0.508 χ^2/NDF: 9218.4/45

In: -108.322+/-0.494 χ^2/NDF:6759.3/43

Out: -108.912+/-0.461 χ^2/NDF:9426.7/48

All: -108.638+/-0.337 χ^2/NDF: 16186.7/92

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 26.626+/-0.807 χ^2/NDF: 739.7/20

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

Right Out: 24.797+/-0.732 χ^2/NDF: 624.0/24

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

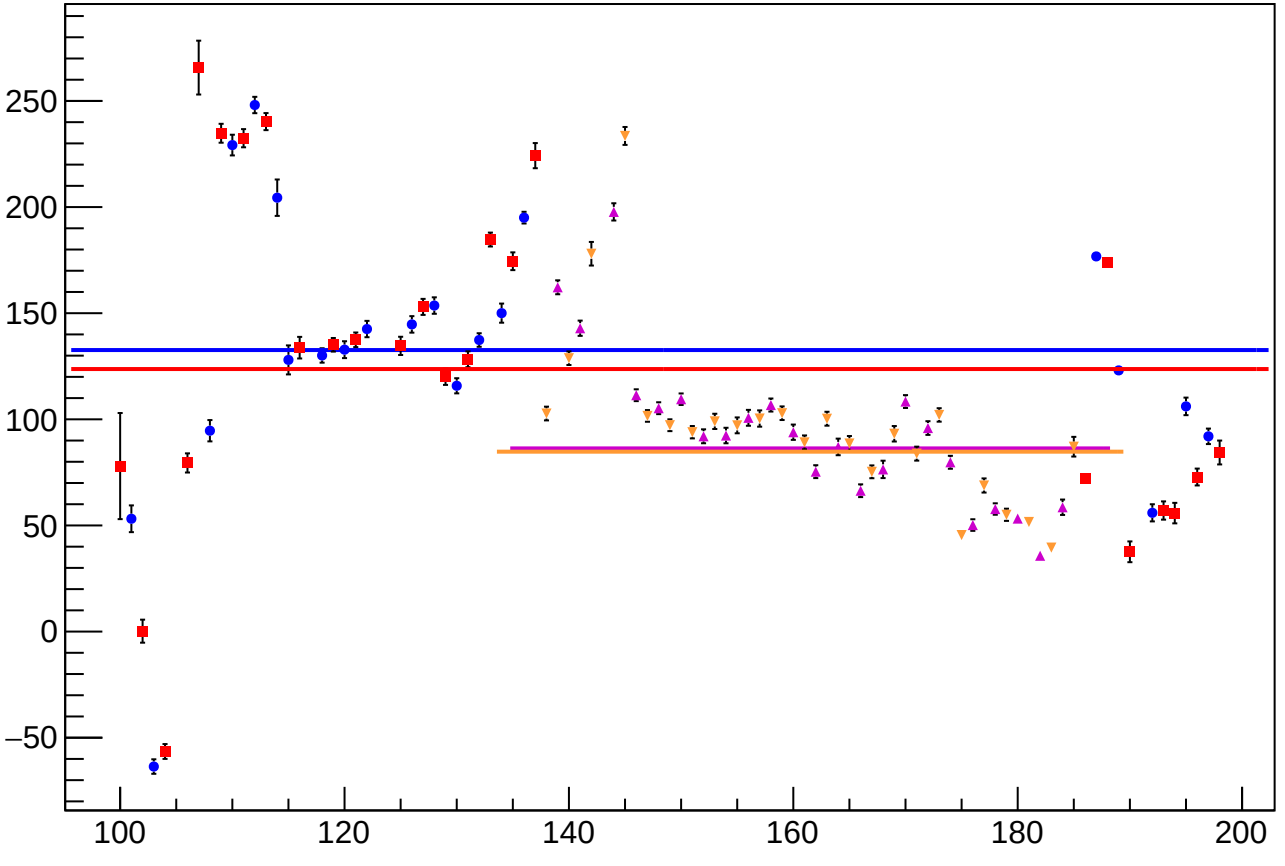
Right: 25.623+/-0.542 χ^2/NDF: 1366.6/45

In: 14.332+/-0.417 χ^2/NDF:1541.4/43

Out: 14.025+/-0.400 χ^2/NDF:1668.8/48

All: 14.172+/-0.289 χ^2/NDF: 3210.4/92

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 132.637+/-0.802 χ^2/NDF: 6359.4/20

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

Right Out: 123.690+/-0.646 χ^2/NDF: 10332.4/24

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

Left: 85.526+/-0.446 χ^2/NDF: 6266.2/46

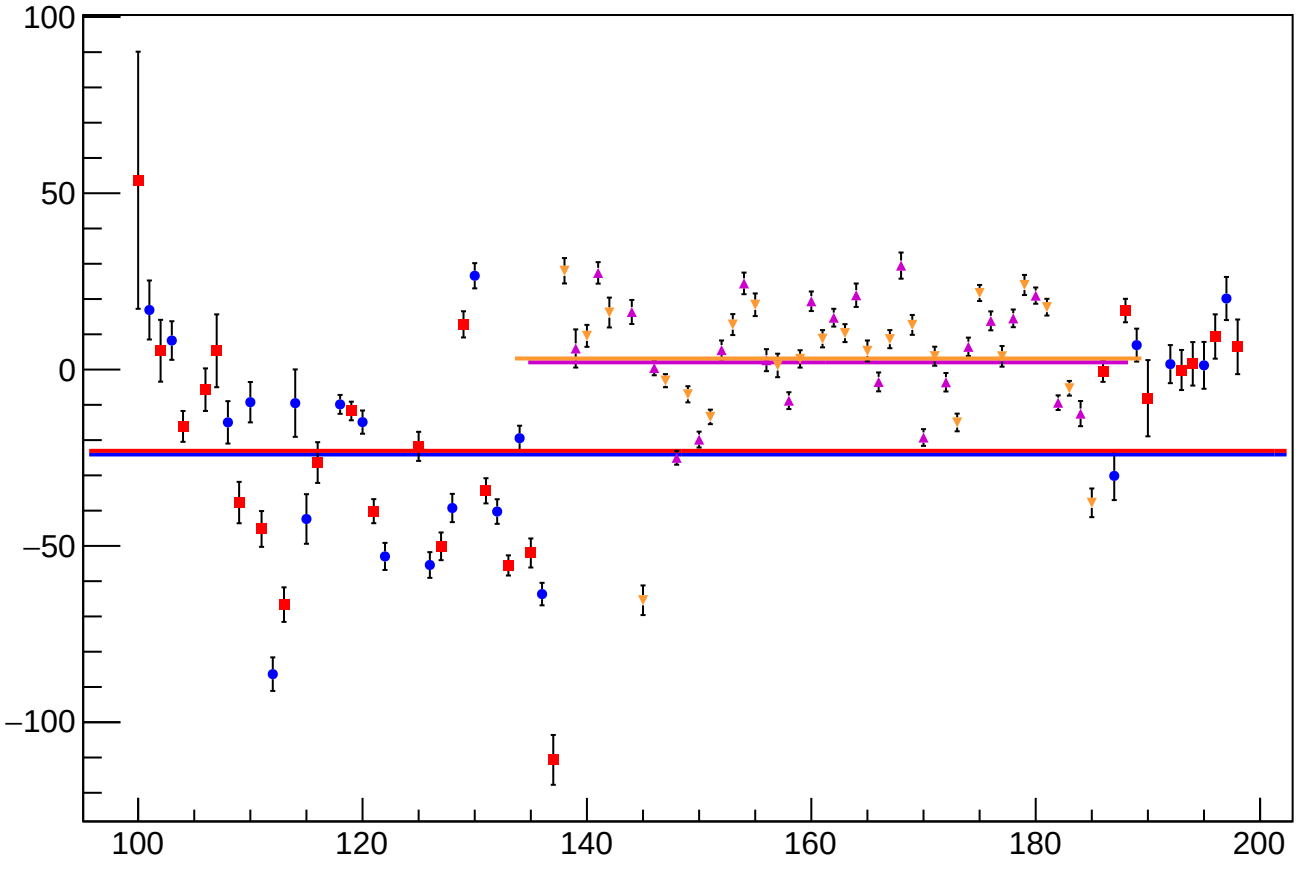
Right: 127.214+/-0.503 χ^2/NDF: 16767.2/45

In: 104.044+/-0.496 χ^2/NDF:11571.8/43

Out: 103.694+/-0.451 χ^2/NDF:15305.3/48

All: 103.853+/-0.334 χ^2/NDF: 26877.3/92

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -24.073+/-0.950 χ^2/NDF: 941.4/20

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

Right Out: -23.037+/-0.892 χ^2/NDF: 940.4/24

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

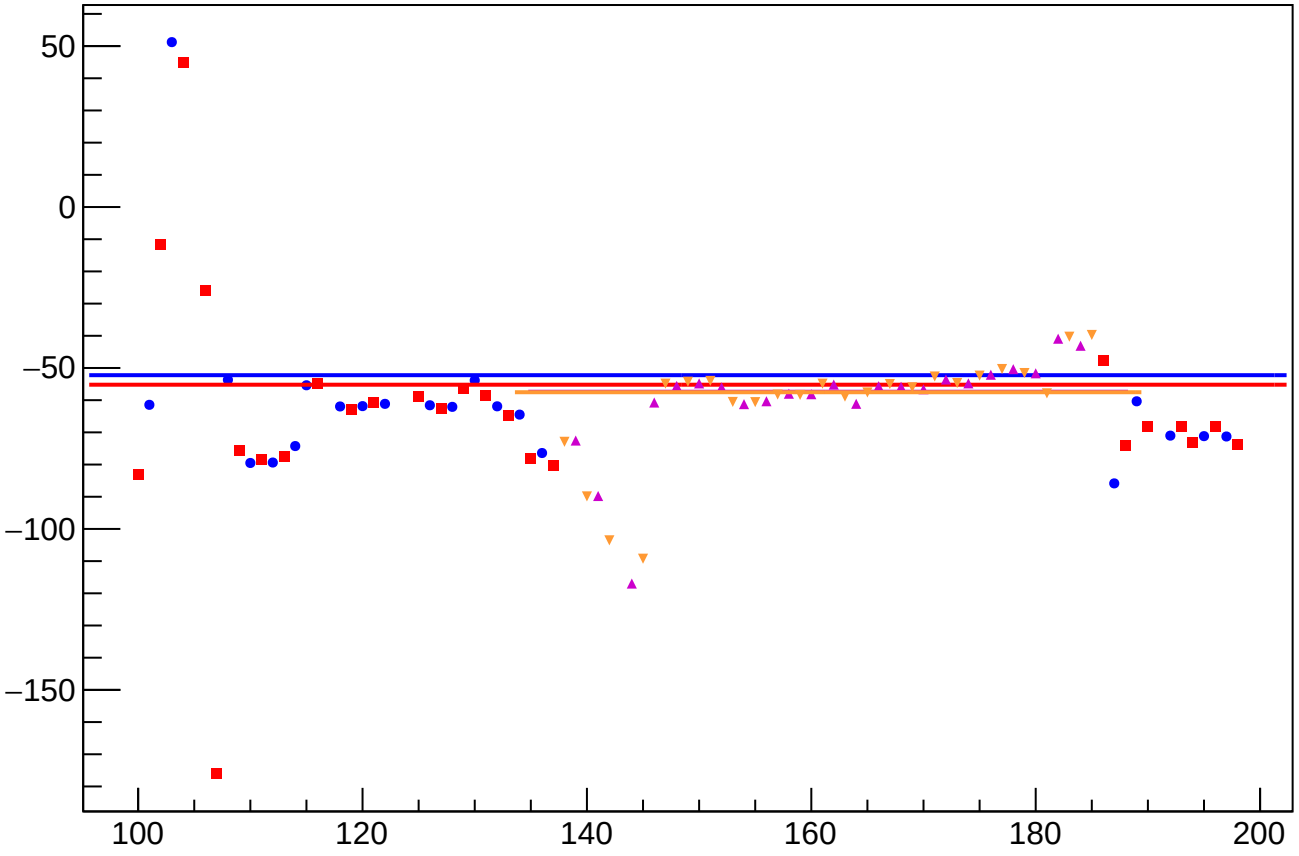
Right: -23.522+/-0.650 χ^2/NDF: 1882.4/45

In: -4.524+/-0.477 χ^2/NDF:2357.9/43

Out: -3.948+/-0.464 χ^2/NDF:2383.1/48

All: -4.229+/-0.333 χ^2/NDF: 4741.7/92

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -52.235+/-0.051 χ^2/NDF: 627736.9/20

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -55.196+/-0.048 χ^2/NDF: 556111.7/24

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

Left: -57.455+/-0.018 χ^2/NDF: 494187.3/46

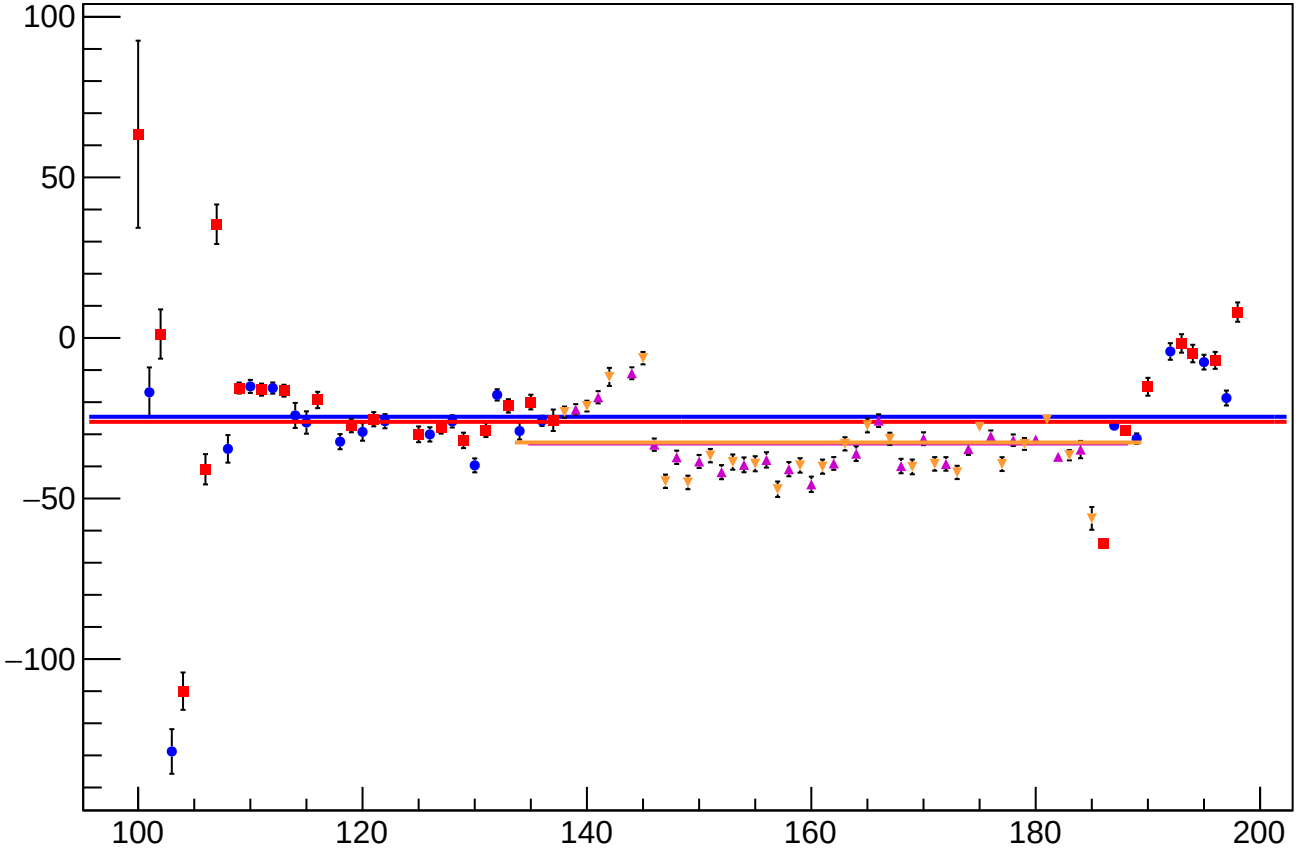
Right: -53.788+/-0.035 χ^2/NDF: 1185640.0/45

In: -56.386+/-0.022 χ^2/NDF:863189.4/43

Out: -57.045+/-0.022 χ^2/NDF:824999.2/48

All: -56.718+/-0.016 χ^2/NDF: 1688631.9/92

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -24.544+/-0.484 χ^2/NDF: 510.8/20

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

Right Out: -26.120+/-0.427 χ^2/NDF: 1517.7/24

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

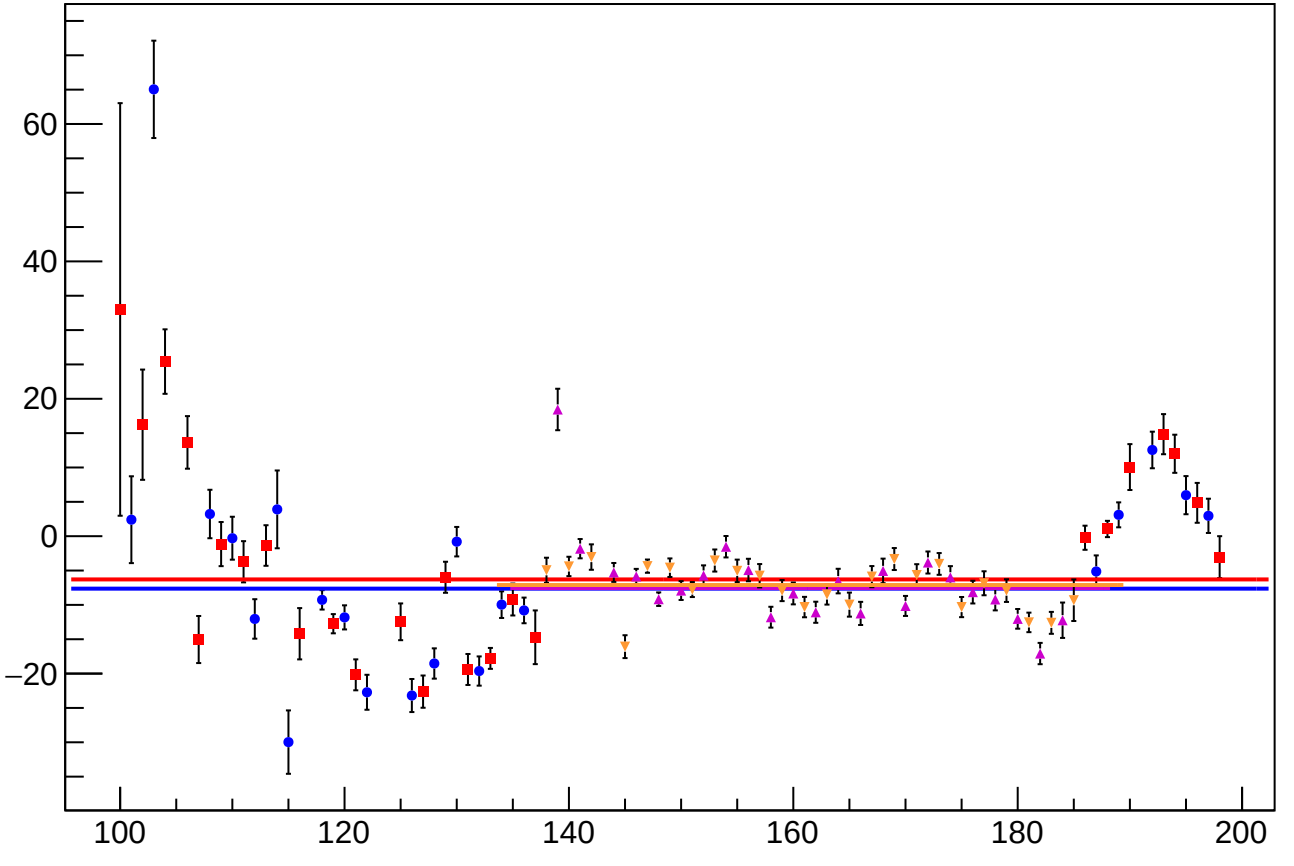
Right: -25.431+/-0.320 χ^2/NDF: 2034.4/45

In: -29.380+/-0.314 χ^2/NDF:1055.5/43

Out: -29.492+/-0.294 χ^2/NDF:2240.1/48

All: -29.440+/-0.215 χ^2/NDF: 3295.7/92

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.636+/-0.520 χ^2/NDF: 443.0/20

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

Right Out: -6.293+/-0.481 χ^2/NDF: 495.6/24

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

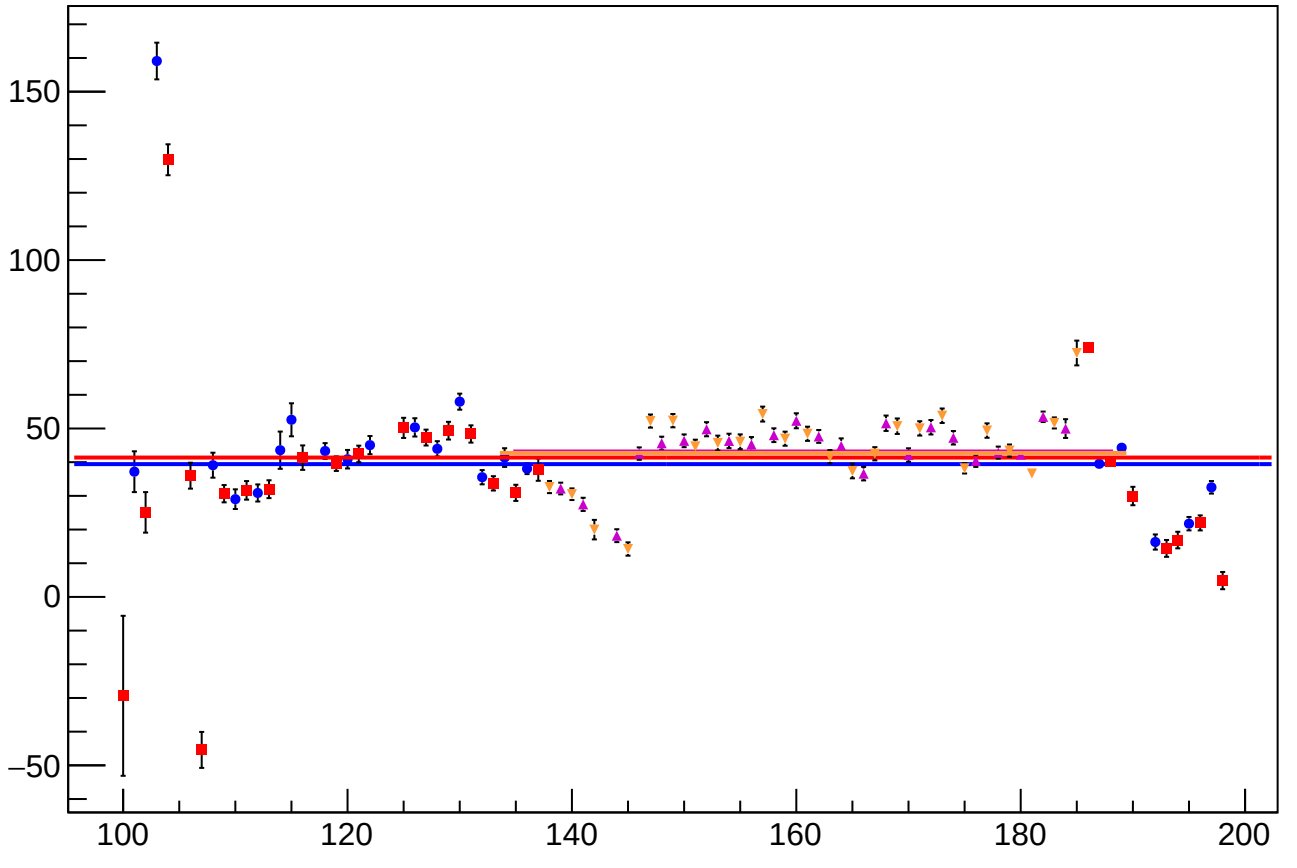
Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

Right: -6.913+/-0.353 χ^2/NDF: 942.1/45

In: -7.571+/-0.270 χ^2/NDF:642.7/43

Out: -6.871+/-0.260 χ^2/NDF:607.1/48

All: -7.209+/-0.187 χ^2/NDF: 1253.3/92



Right In: 39.423+/-0.489 χ^2/NDF: 818.2/20

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

Right Out: 41.374+/-0.412 χ^2/NDF: 2115.5/24

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

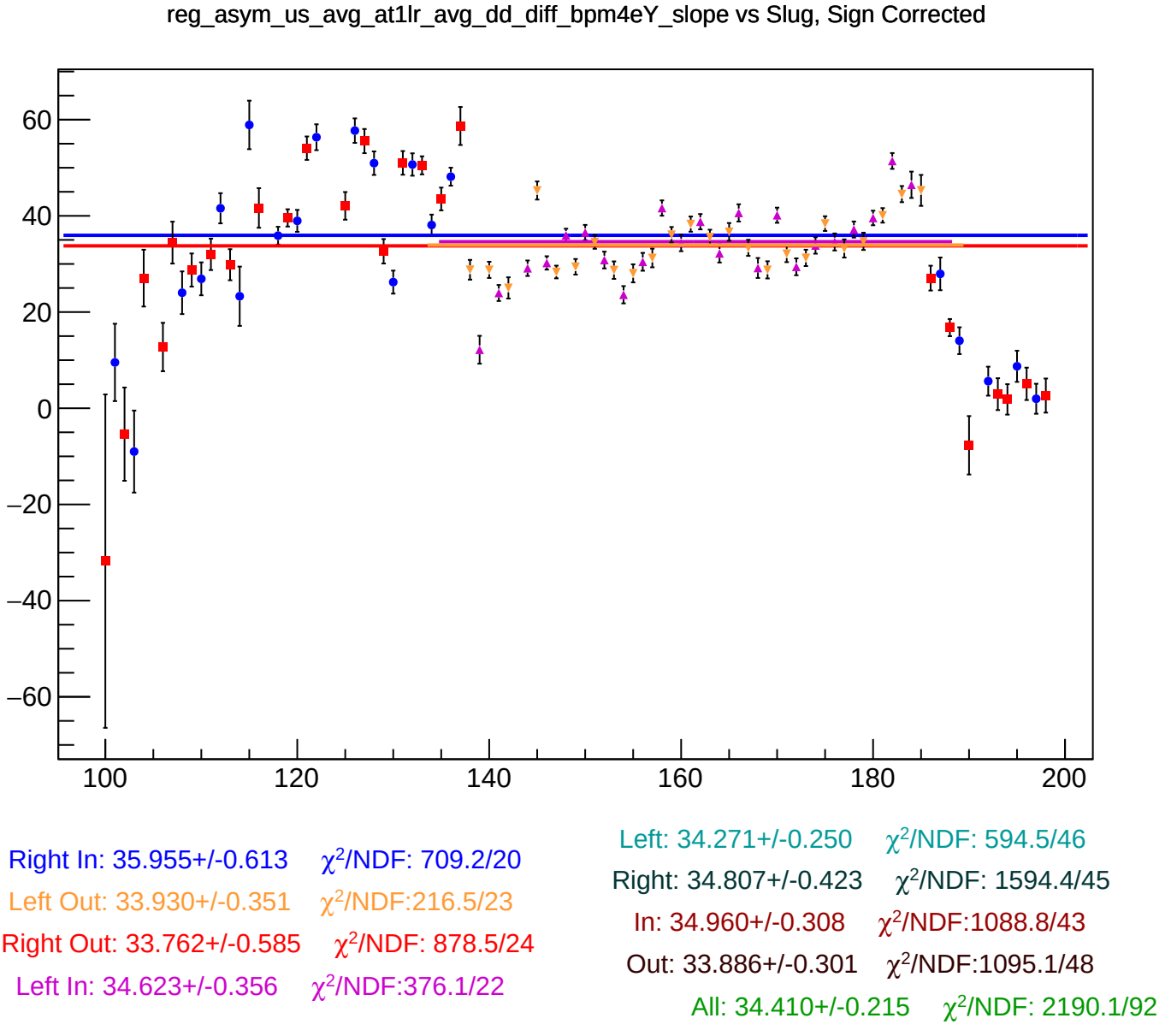
Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

Right: 40.563+/-0.315 χ^2/NDF: 2943.0/45

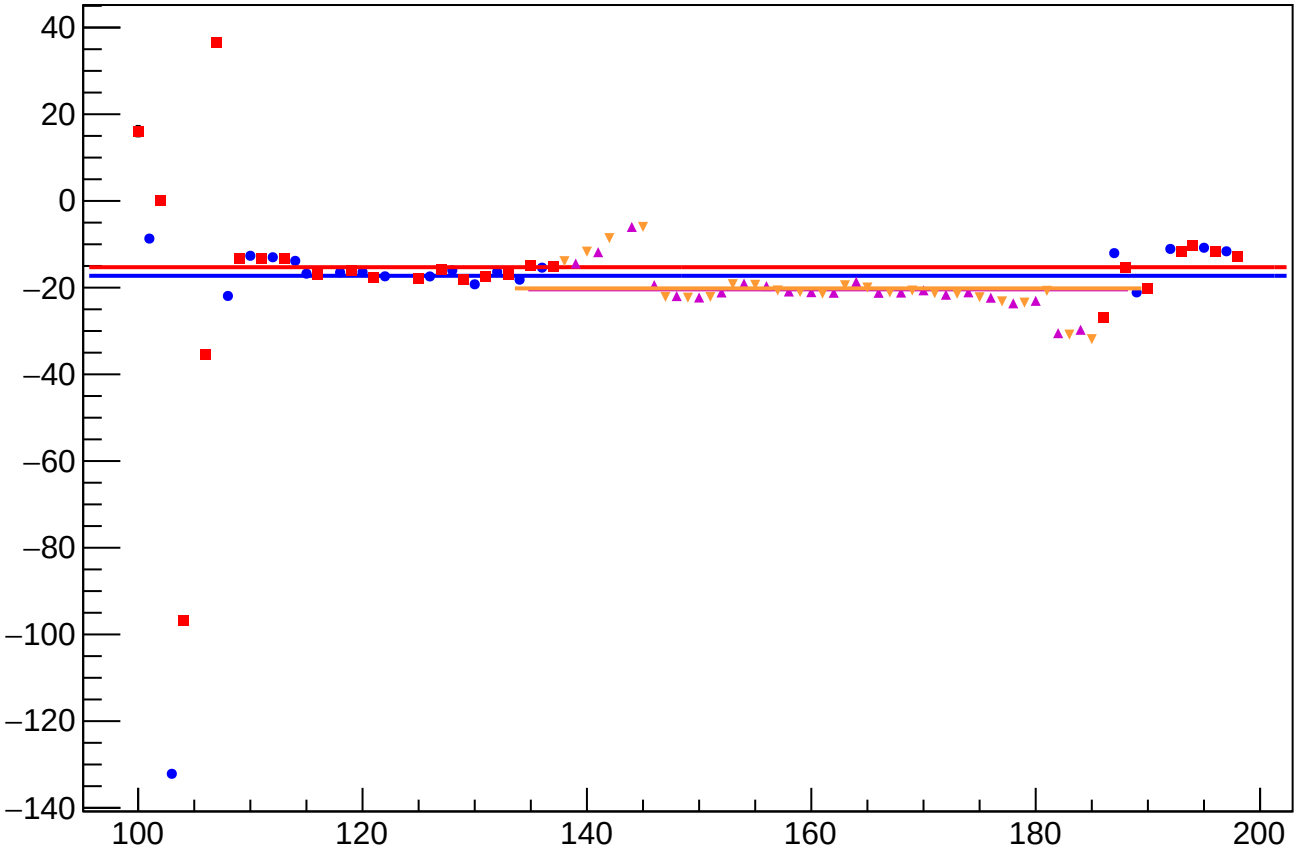
In: 41.635+/-0.313 χ^2/NDF:1265.9/43

Out: 42.074+/-0.288 χ^2/NDF:2752.6/48

All: 41.873+/-0.212 χ^2/NDF: 4019.6/92


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
100
120
140
160
180
200
Right In: 35.955+/-0.613 χ²/NDF: 709.2/20
Left Out: 33.930+/-0.351 χ²/NDF:216.5/23
Right Out: 33.762+/-0.585 χ²/NDF: 878.5/24
Left In: 34.623+/-0.356 χ²/NDF:376.1/22
Left: 34.271+/-0.250 χ²/NDF: 594.5/46
Right: 34.807+/-0.423 χ²/NDF: 1594.4/45
In: 34.960+/-0.308 χ²/NDF:1088.8/43
Out: 33.886+/-0.301 χ²/NDF:1095.1/48
All: 34.410+/-0.215 χ²/NDF: 2190.1/92

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -17.269+/-0.032 χ^2/NDF: 264234.3/20

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -15.282+/-0.031 χ^2/NDF: 217140.3/24

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

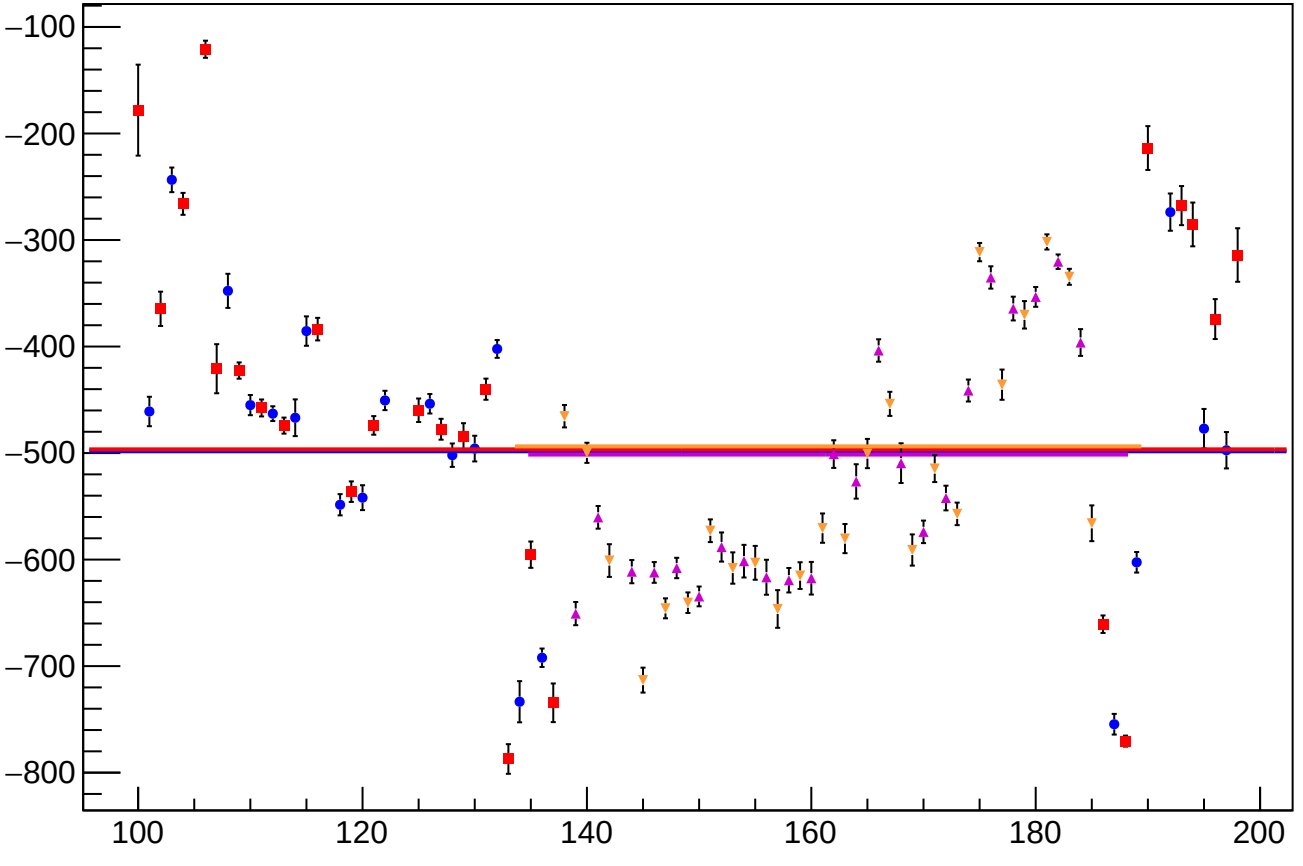
Right: -16.219+/-0.022 χ^2/NDF: 483371.5/45

In: -19.794+/-0.014 χ^2/NDF:352947.8/43

Out: -19.144+/-0.014 χ^2/NDF:337340.0/48

All: -19.465+/-0.010 χ^2/NDF: 691350.6/92

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -498.323+/-2.389 χ^2/NDF: 2554.1/20

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

Right Out: -496.511+/-2.089 χ^2/NDF: 7555.9/24

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

Left: -497.555+/-1.627 χ^2/NDF: 5844.9/46

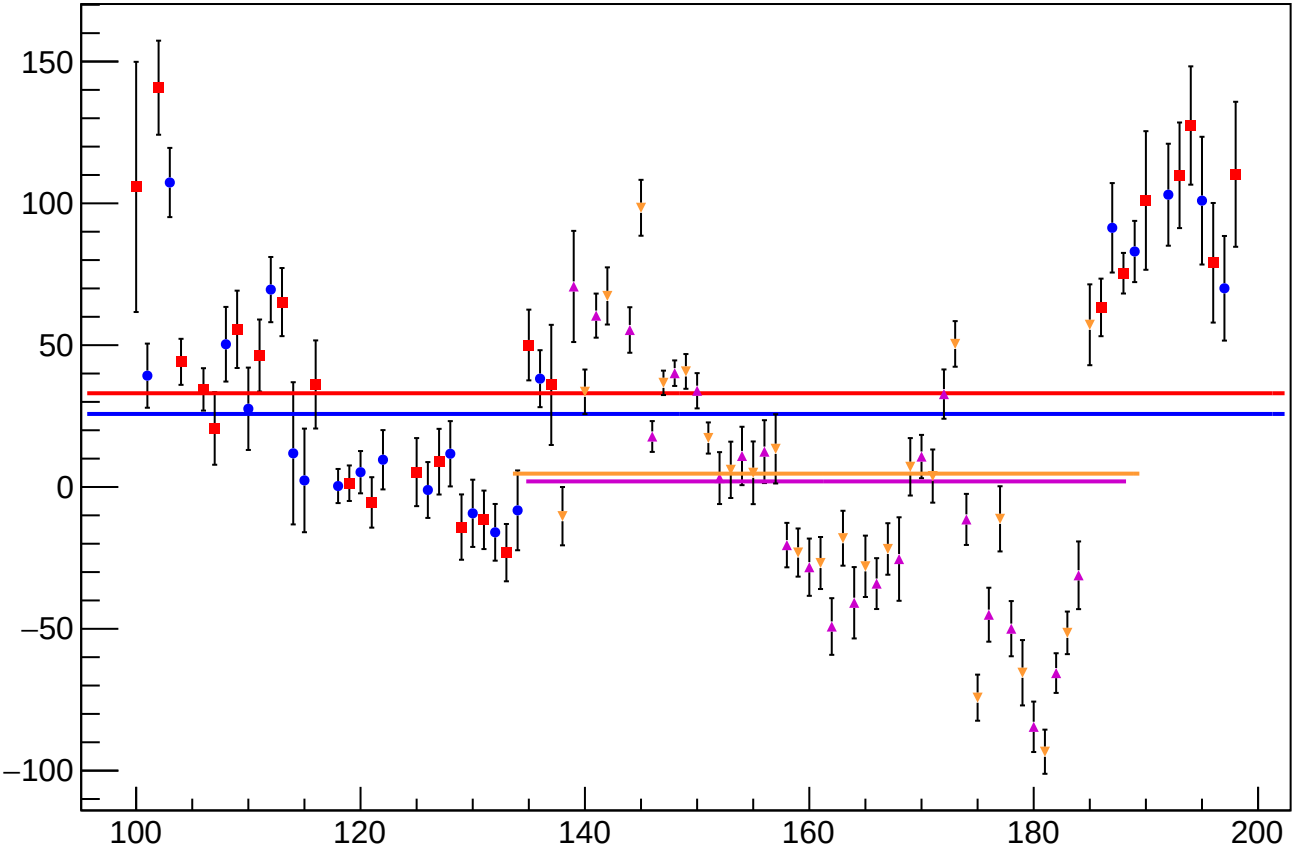
Right: -497.296+/-1.572 χ^2/NDF: 10110.3/45

In: -499.929+/-1.659 χ^2/NDF:5244.3/43

Out: -495.248+/-1.545 χ^2/NDF:10706.7/48

All: -497.421+/-1.131 χ^2/NDF: 15955.2/92

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.751+/-2.480 χ^2/NDF: 217.3/20

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 33.048+/-2.271 χ^2/NDF: 284.2/24

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

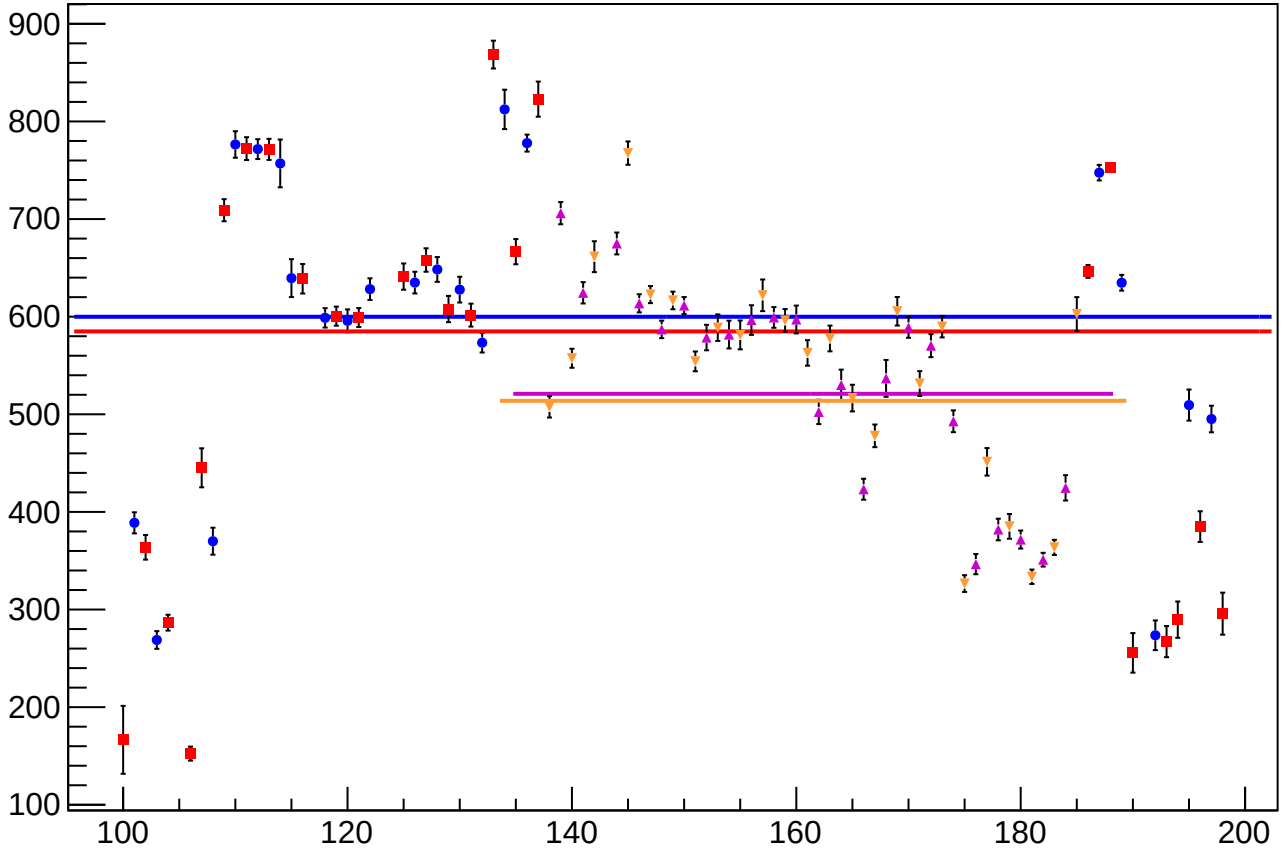
Right: 29.720+/-1.675 χ^2/NDF: 506.2/45

In: 9.704+/-1.414 χ^2/NDF:840.1/43

Out: 14.852+/-1.359 χ^2/NDF:1064.5/48

All: 12.381+/-0.980 χ^2/NDF: 1911.5/92

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 599.918+/-2.490 χ^2/NDF: 3974.7/20

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

Right Out: 584.905+/-2.087 χ^2/NDF: 9834.5/24

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

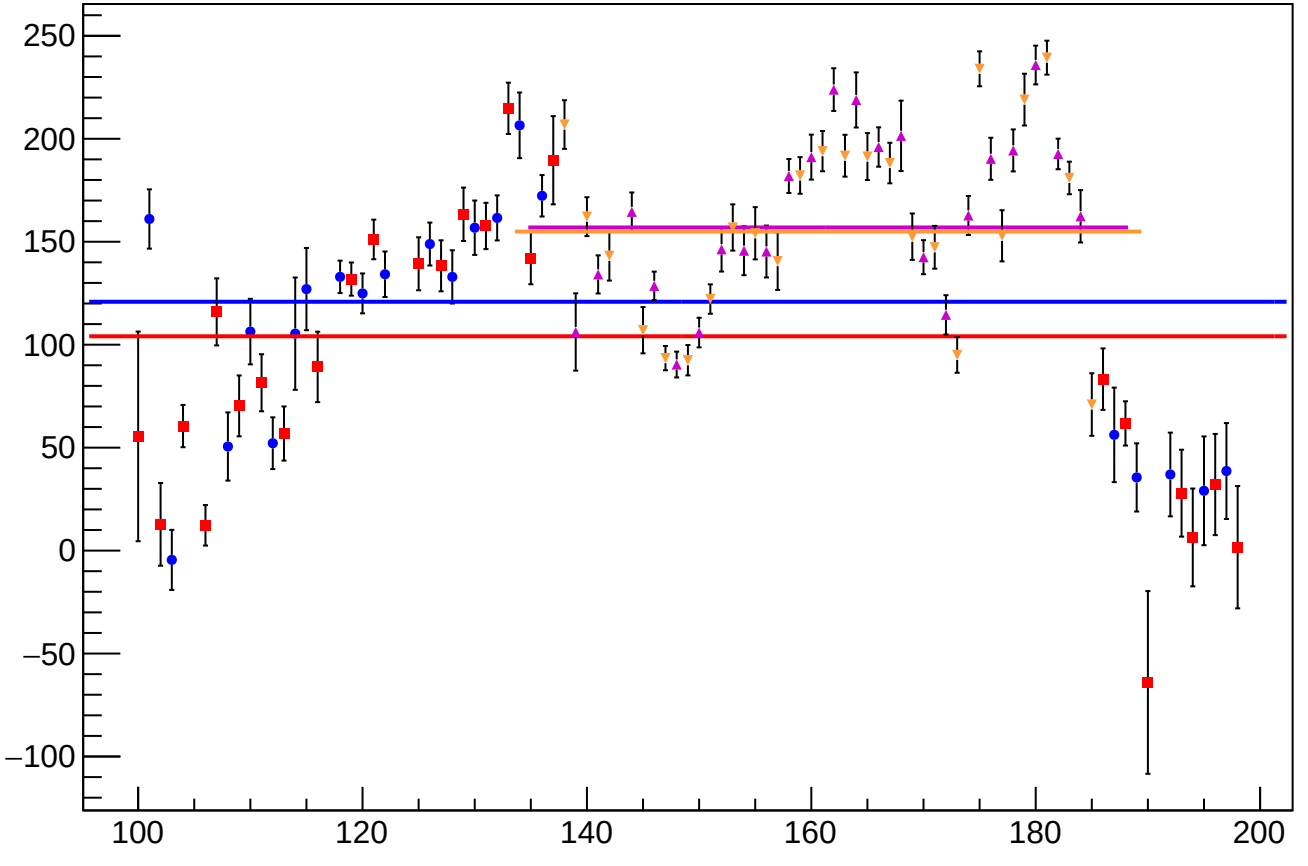
Right: 591.099+/-1.600 χ^2/NDF: 13830.6/45

In: 557.037+/-1.683 χ^2/NDF:6963.2/43

Out: 552.454+/-1.539 χ^2/NDF:13099.5/48

All: 554.540+/-1.136 χ^2/NDF: 20066.8/92

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 120.854+/-2.928 χ^2/NDF: 295.3/20

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

Right Out: 104.083+/-2.738 χ^2/NDF: 429.4/24

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

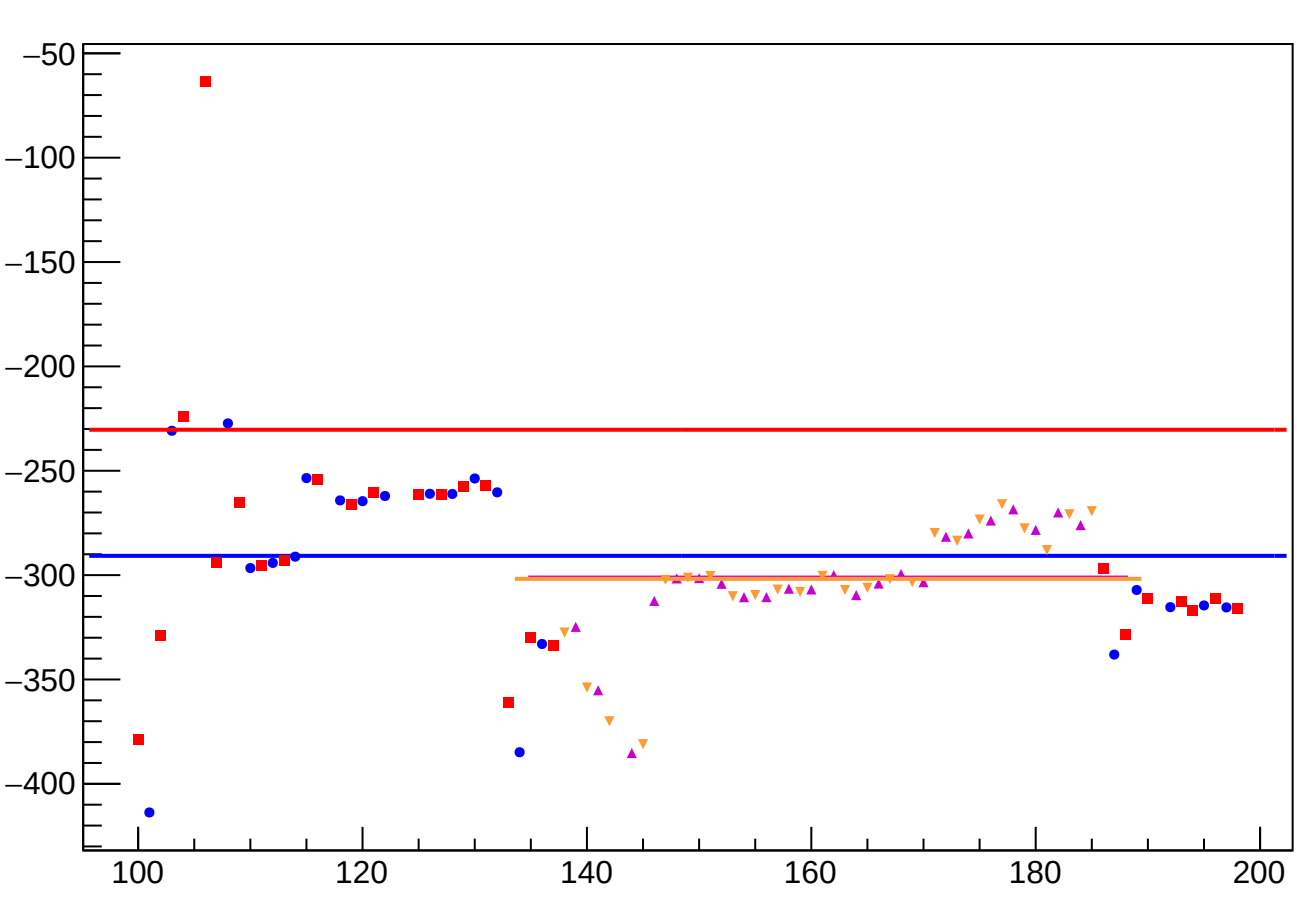
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 111.906+/-2.000 χ^2/NDF: 742.2/45

In: 145.684+/-1.635 χ^2/NDF:843.0/43

Out: 137.794+/-1.590 χ^2/NDF:1267.1/48

All: 141.628+/-1.140 χ^2/NDF: 2122.0/92



Right In: -290.761+/-0.159 χ^2/NDF: 110591.0/20

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -230.350+/-0.133 χ^2/NDF: 647582.3/24

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

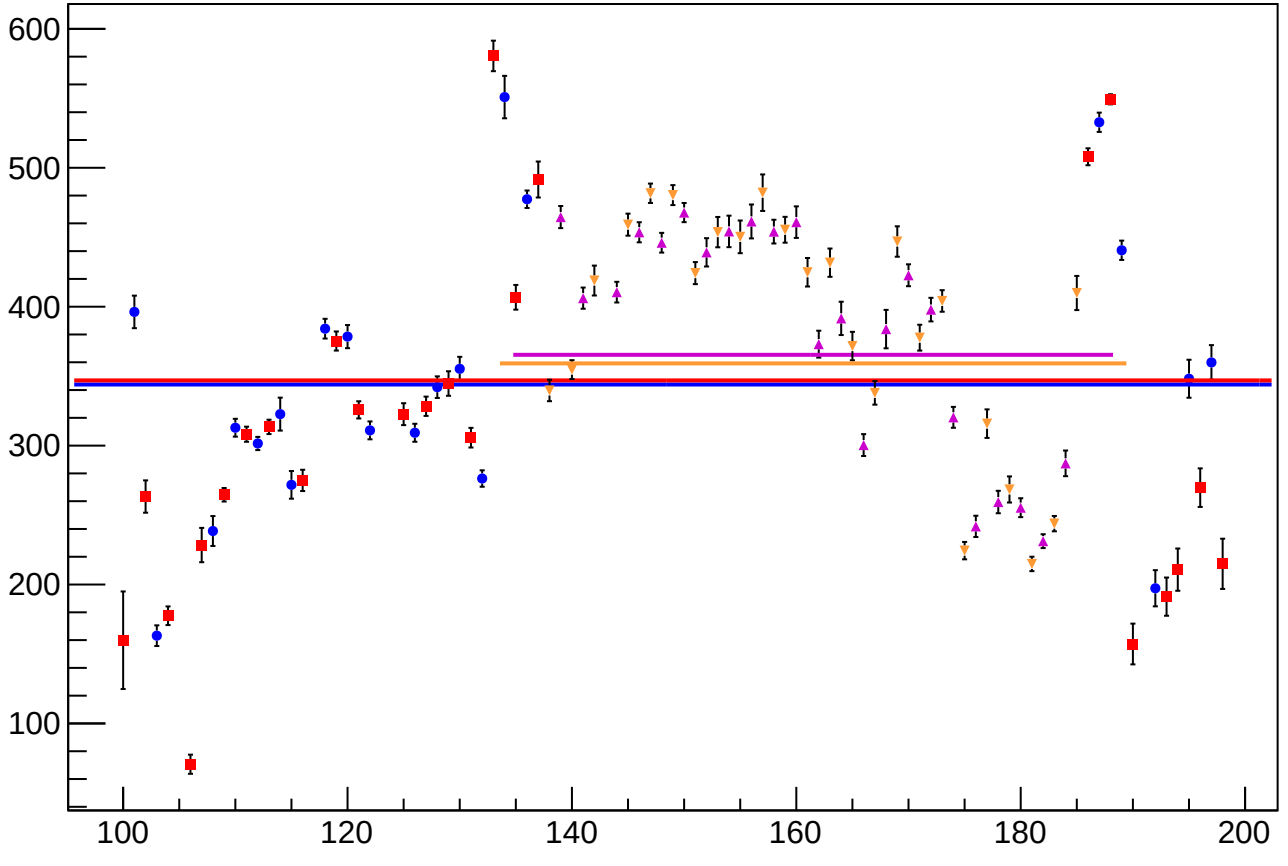
Right: -255.094+/-0.102 χ^2/NDF: 843289.8/45

In: -298.650+/-0.078 χ^2/NDF:189161.8/43

Out: -278.967+/-0.075 χ^2/NDF:932053.4/48

All: -288.366+/-0.054 χ^2/NDF: 1154193.0/92

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 344.001+/-1.692 χ^2/NDF: 2798.1/20

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

Right Out: 346.944+/-1.480 χ^2/NDF: 7817.5/24

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

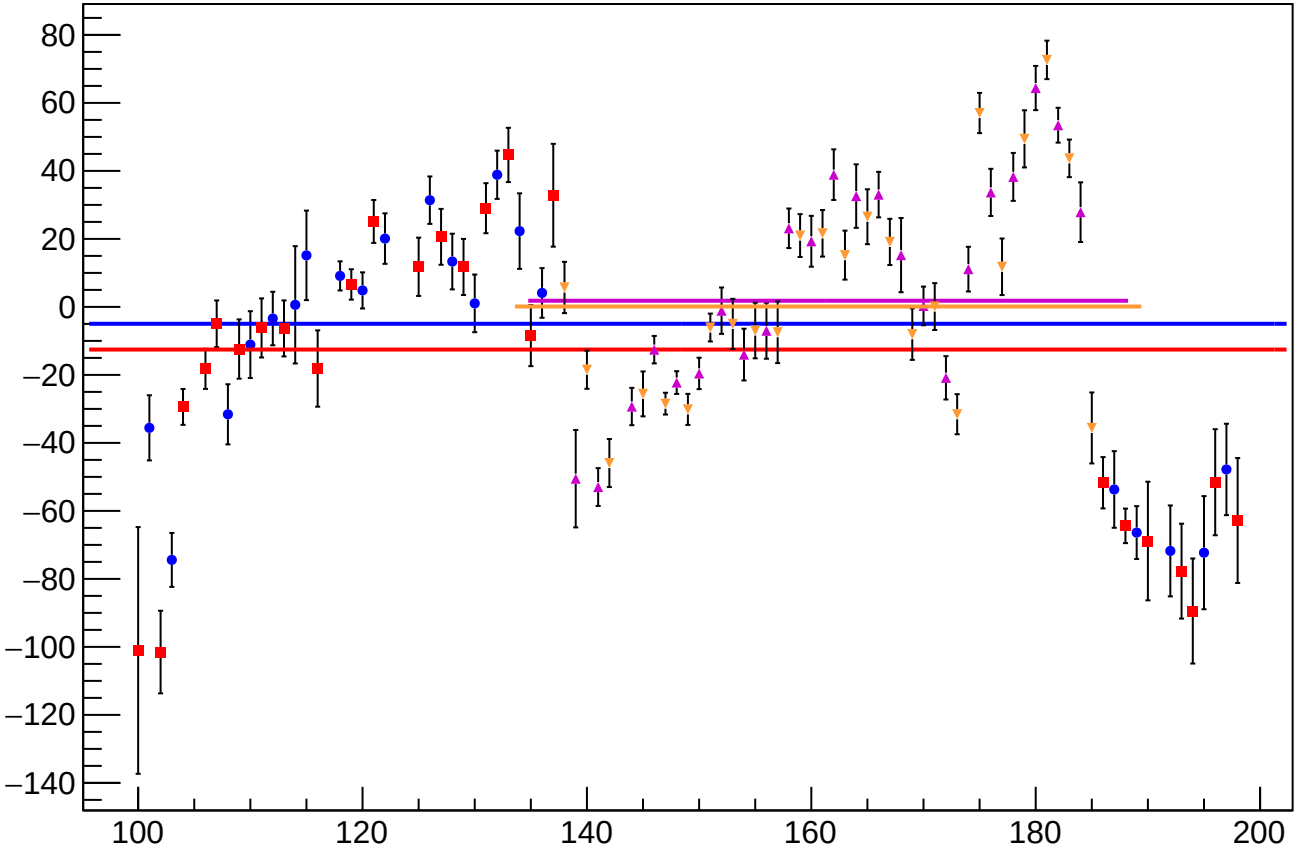
Right: 345.669+/-1.114 χ^2/NDF: 10617.3/45

In: 354.680+/-1.197 χ^2/NDF:5617.2/43

Out: 352.288+/-1.111 χ^2/NDF:11035.3/48

All: 353.395+/-0.814 χ^2/NDF: 16654.7/92

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.962+/-1.772 χ^2/NDF: 335.2/20

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

Right Out: -12.542+/-1.606 χ^2/NDF: 455.0/24

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

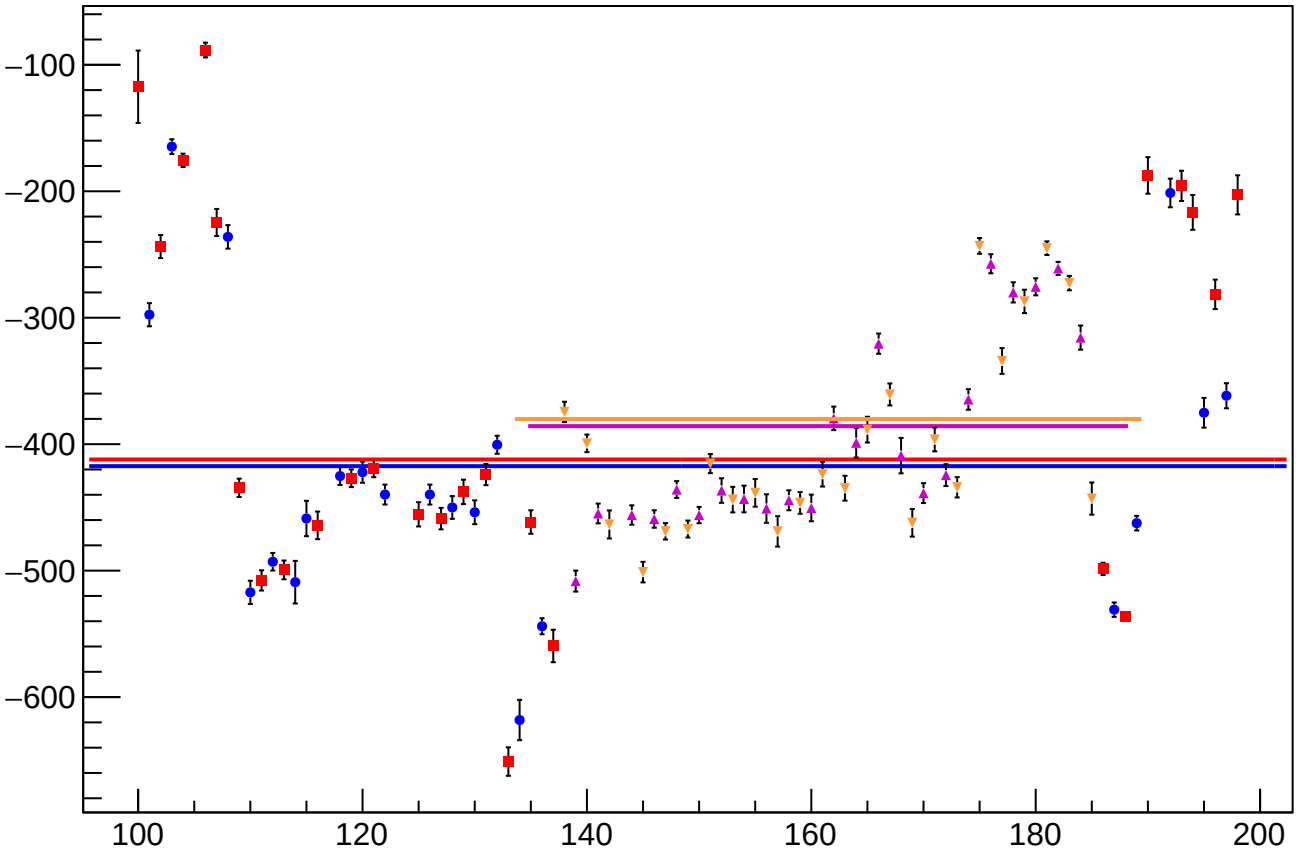
Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

Right: -9.124+/-1.190 χ^2/NDF: 800.3/45

In: -0.479+/-1.031 χ^2/NDF:921.9/43

Out: -4.646+/-0.985 χ^2/NDF:1131.7/48

All: -2.657+/-0.712 χ^2/NDF: 2062.1/92



Right In: -417.384+/-1.773 χ^2/NDF: 4168.8/20

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -412.116+/-1.487 χ^2/NDF: 10020.8/24

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

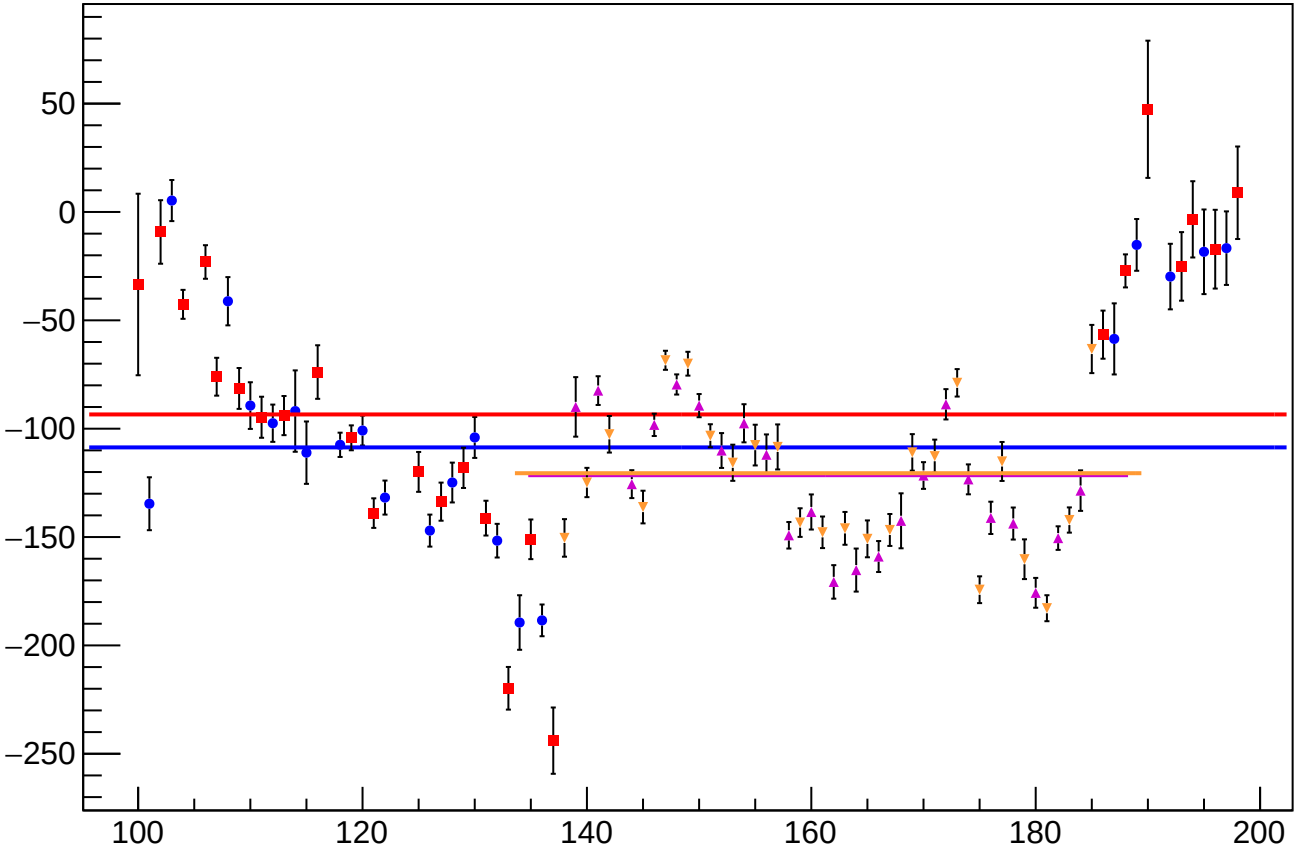
Right: -414.292+/-1.139 χ^2/NDF: 14194.8/45

In: -400.677+/-1.218 χ^2/NDF:6698.4/43

Out: -397.975+/-1.110 χ^2/NDF:12844.0/48

All: -399.201+/-0.821 χ^2/NDF: 19545.0/92

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -108.634+/-2.090 χ^2/NDF: 570.8/20

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

Right Out: -93.425+/-1.933 χ^2/NDF: 796.2/24

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

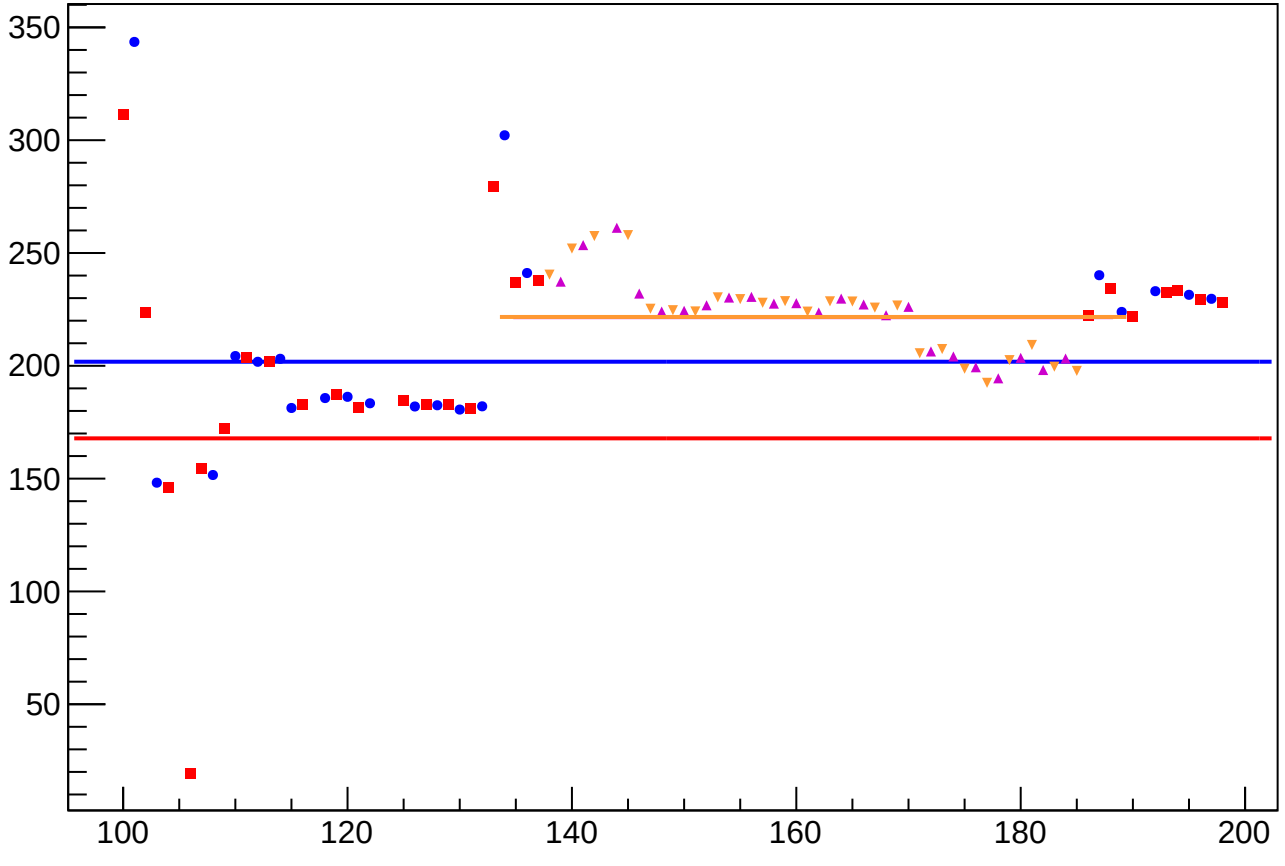
Right: -100.437+/-1.419 χ^2/NDF: 1395.6/45

In: -117.290+/-1.191 χ^2/NDF:1028.9/43

Out: -110.907+/-1.152 χ^2/NDF:1534.5/48

All: -113.993+/-0.828 χ^2/NDF: 2578.2/92

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 201.813+/-0.113 χ^2/NDF: 191946.3/20

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

Right Out: 167.845+/-0.098 χ^2/NDF: 611263.9/24

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

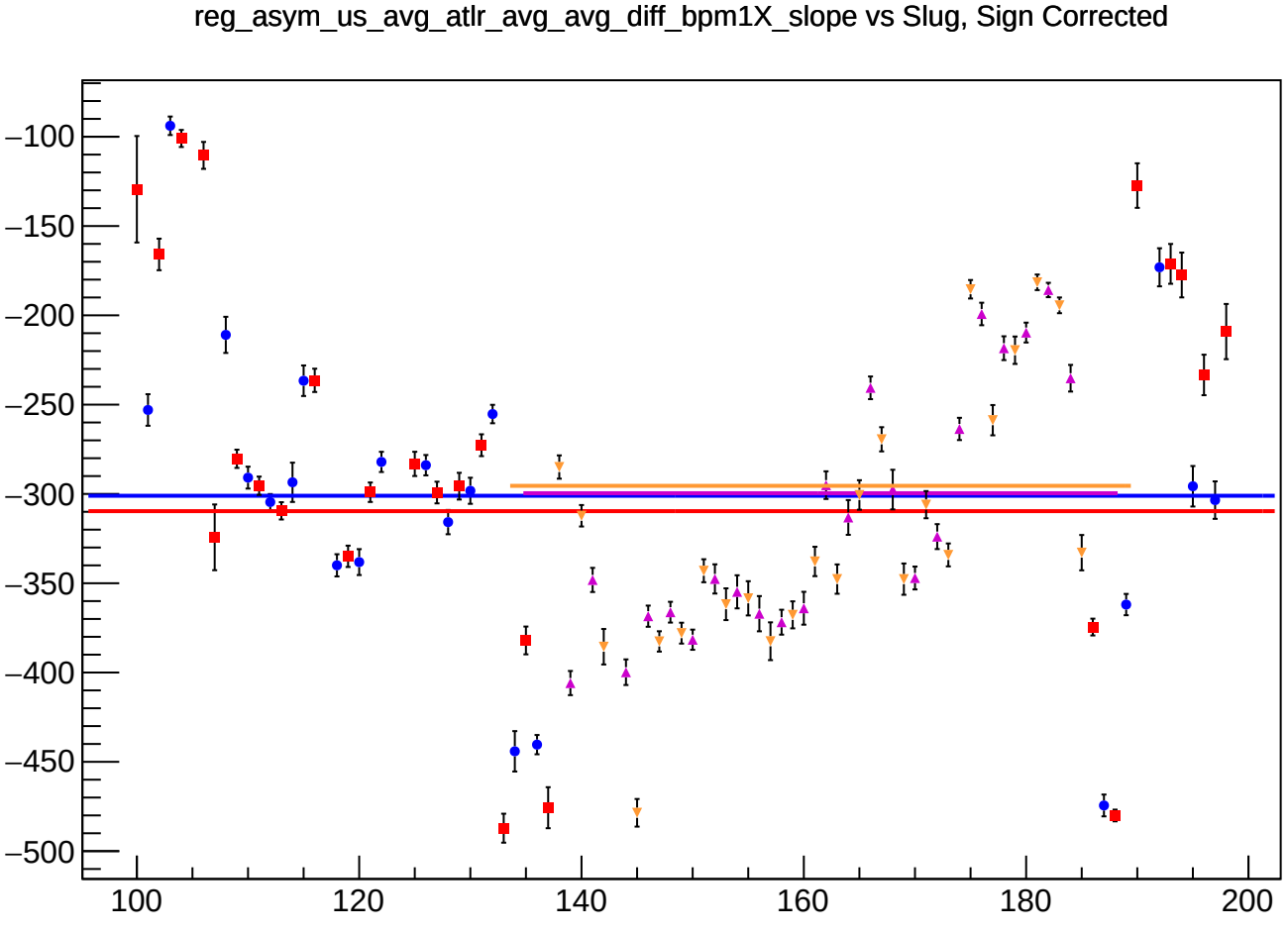
Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

Right: 182.455+/-0.074 χ^2/NDF: 855034.0/45

In: 216.500+/-0.057 χ^2/NDF:276939.0/43

Out: 204.592+/-0.055 χ^2/NDF:884947.8/48

All: 210.336+/-0.040 χ^2/NDF: 1184412.8/92



Right In: -301.023+/-1.465 χ^2/NDF: 3822.2/20

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -309.635+/-1.306 χ^2/NDF: 7385.5/24

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

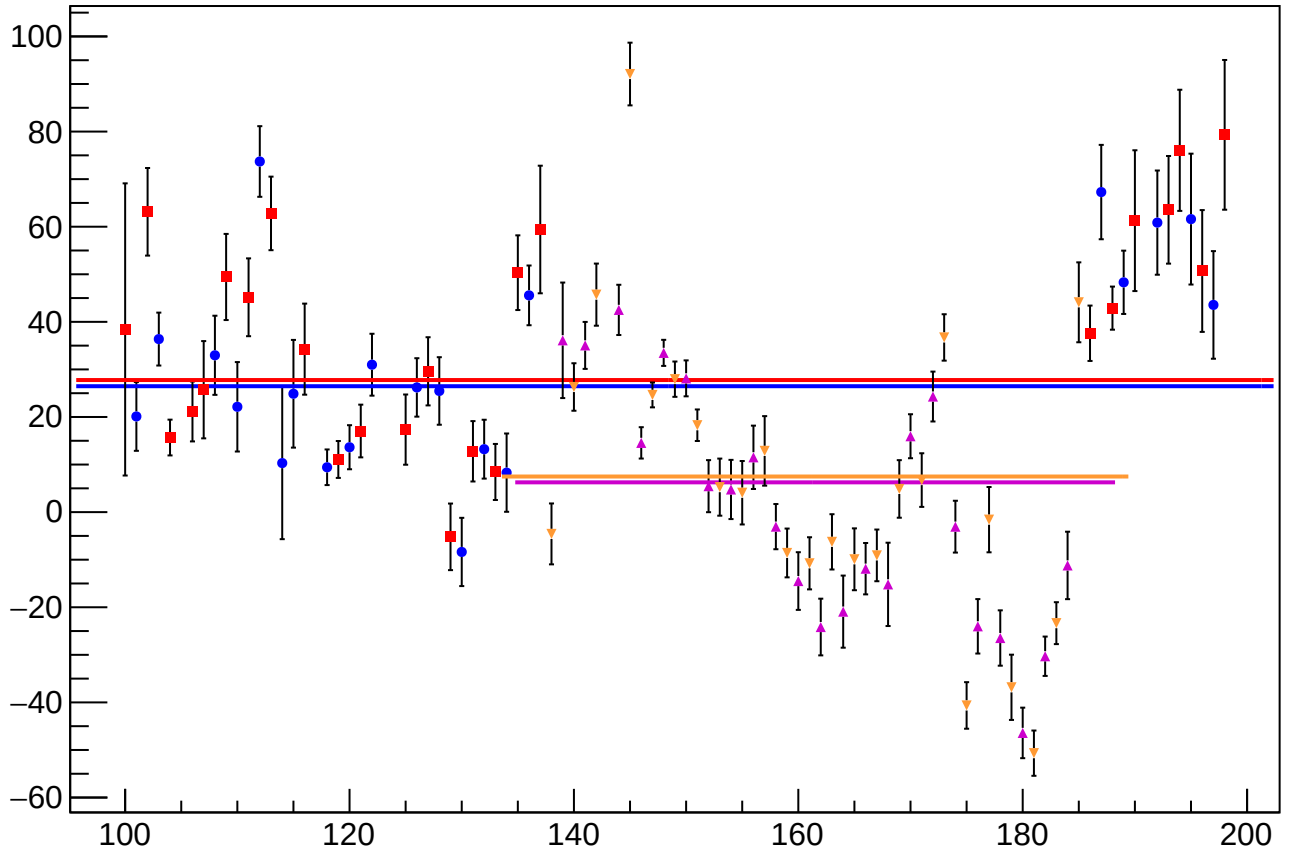
Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

Right: -305.823+/-0.975 χ^2/NDF: 11227.0/45

In: -300.271+/-1.011 χ^2/NDF:6794.4/43

Out: -303.005+/-0.953 χ^2/NDF:10786.9/48

All: -301.720+/-0.693 χ^2/NDF: 17585.2/92



Right In: 26.470+/-1.516 χ^2/NDF: 163.8/20

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 27.767+/-1.397 χ^2/NDF: 191.7/24

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

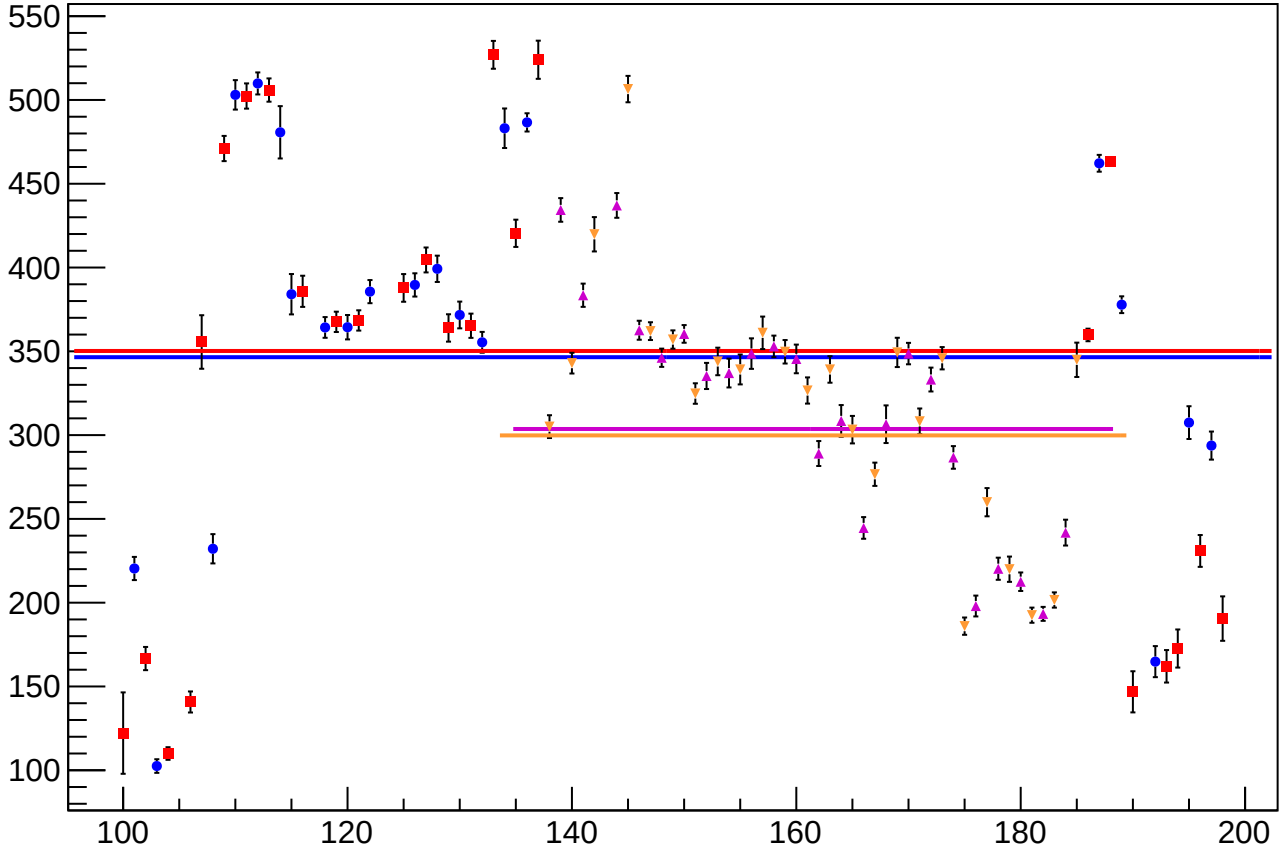
Right: 27.171+/-1.027 χ^2/NDF: 355.9/45

In: 12.766+/-0.860 χ^2/NDF:843.7/43

Out: 14.627+/-0.829 χ^2/NDF:1066.8/48

All: 13.731+/-0.597 χ^2/NDF: 1912.9/92

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 346.498+/-1.502 χ^2/NDF: 7073.9/20

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 350.209+/-1.285 χ^2/NDF: 11054.5/24

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

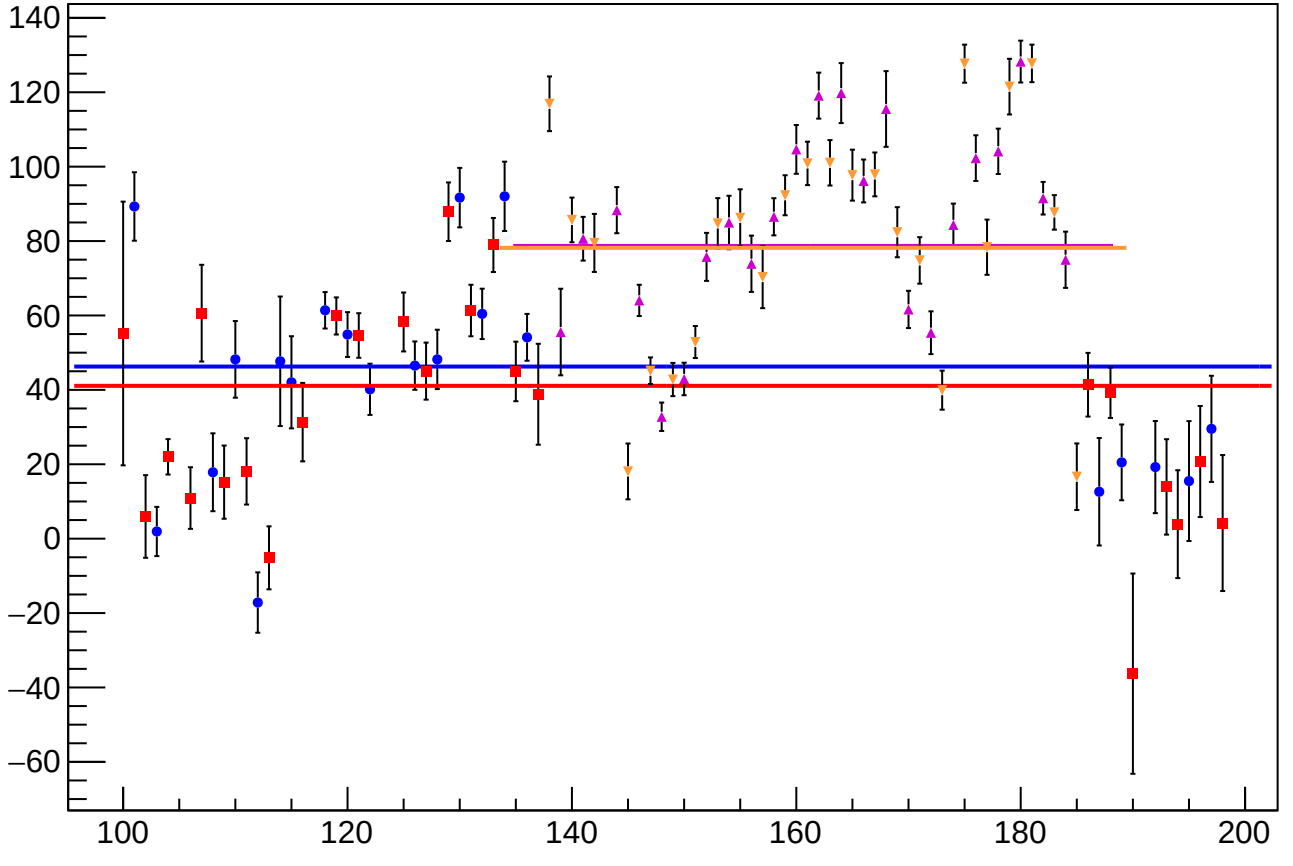
Right: 348.641+/-0.977 χ^2/NDF: 18131.9/45

In: 323.302+/-1.017 χ^2/NDF:10386.9/43

Out: 326.821+/-0.941 χ^2/NDF:14843.8/48

All: 325.198+/-0.691 χ^2/NDF: 25237.1/92

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 46.267+/-1.790 χ^2/NDF: 231.7/20

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

Right Out: 41.083+/-1.684 χ^2/NDF: 206.9/24

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

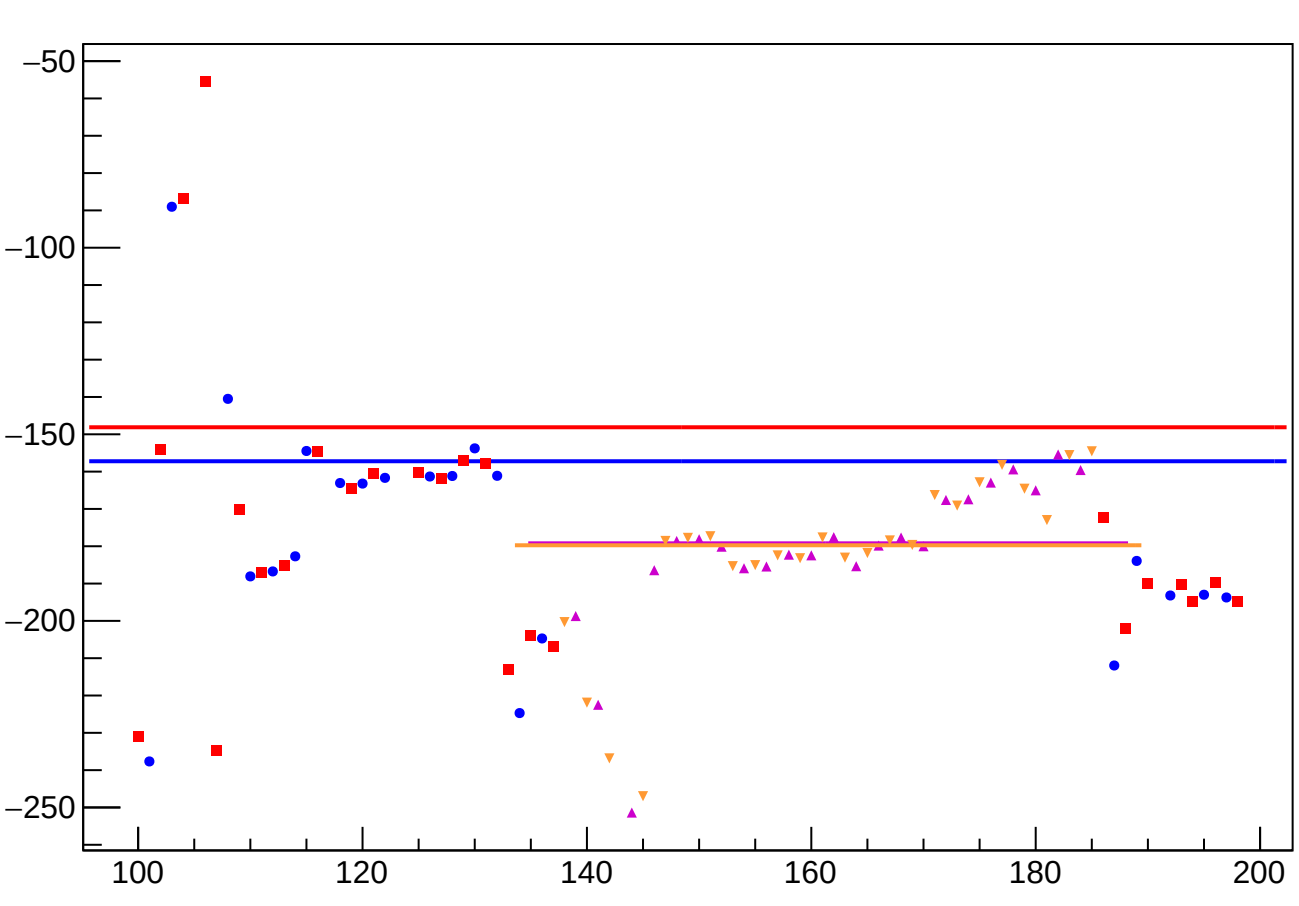
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 43.517+/-1.227 χ^2/NDF: 443.1/45

In: 68.699+/-0.994 χ^2/NDF:947.2/43

Out: 65.905+/-0.969 χ^2/NDF:1194.8/48

All: 67.267+/-0.694 χ^2/NDF: 2146.1/92



Right In: -157.221+/-0.092 χ^2/NDF: 289144.7/20

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

Right Out: -148.117+/-0.085 χ^2/NDF: 397604.7/24

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

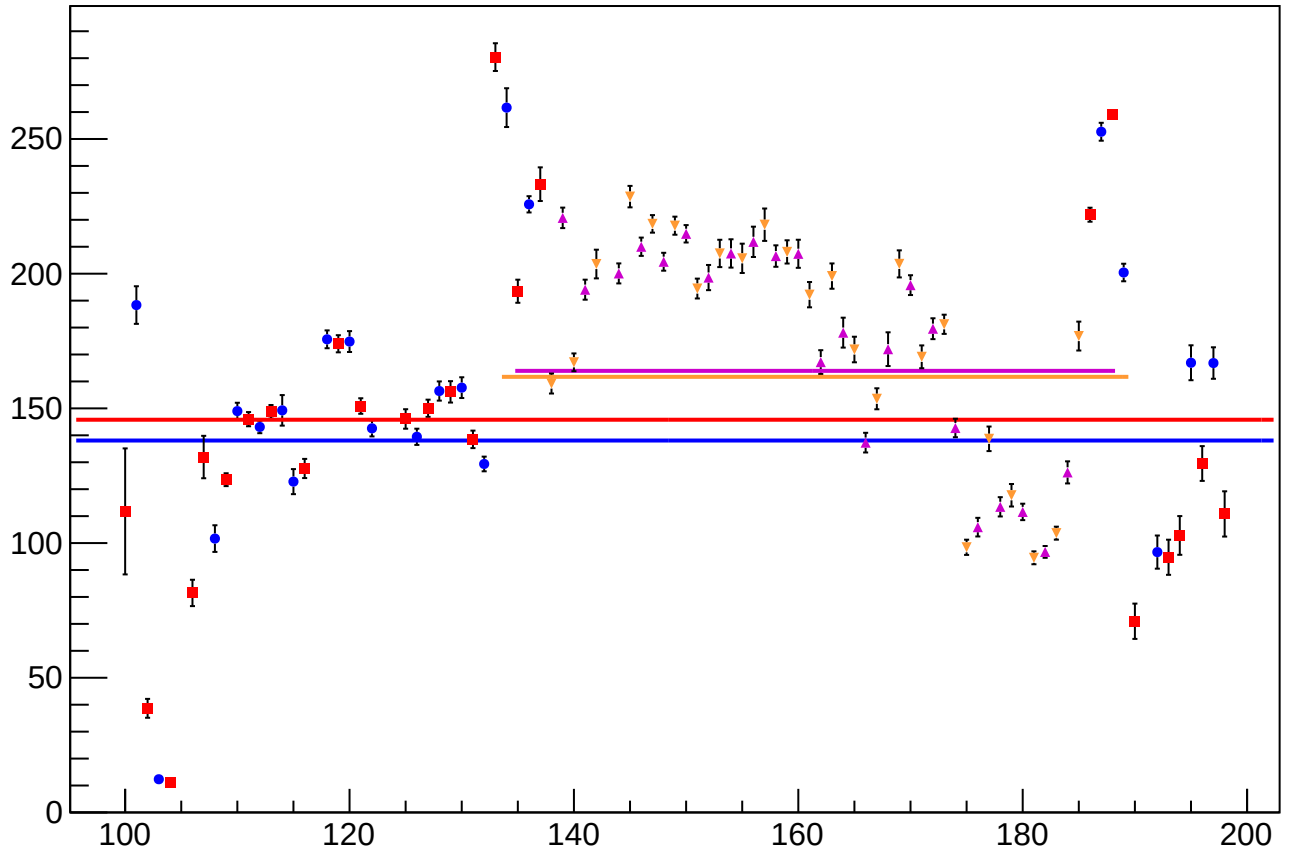
Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

Right: -152.338+/-0.062 χ^2/NDF: 692054.2/45

In: -173.461+/-0.047 χ^2/NDF:445289.6/43

Out: -170.424+/-0.046 χ^2/NDF:627170.8/48

All: -171.922+/-0.033 χ^2/NDF: 1074591.0/92



Right In: 138.068+/-0.748 χ^2/NDF: 7990.7/20

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

Right Out: 145.785+/-0.668 χ^2/NDF: 13029.7/24

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

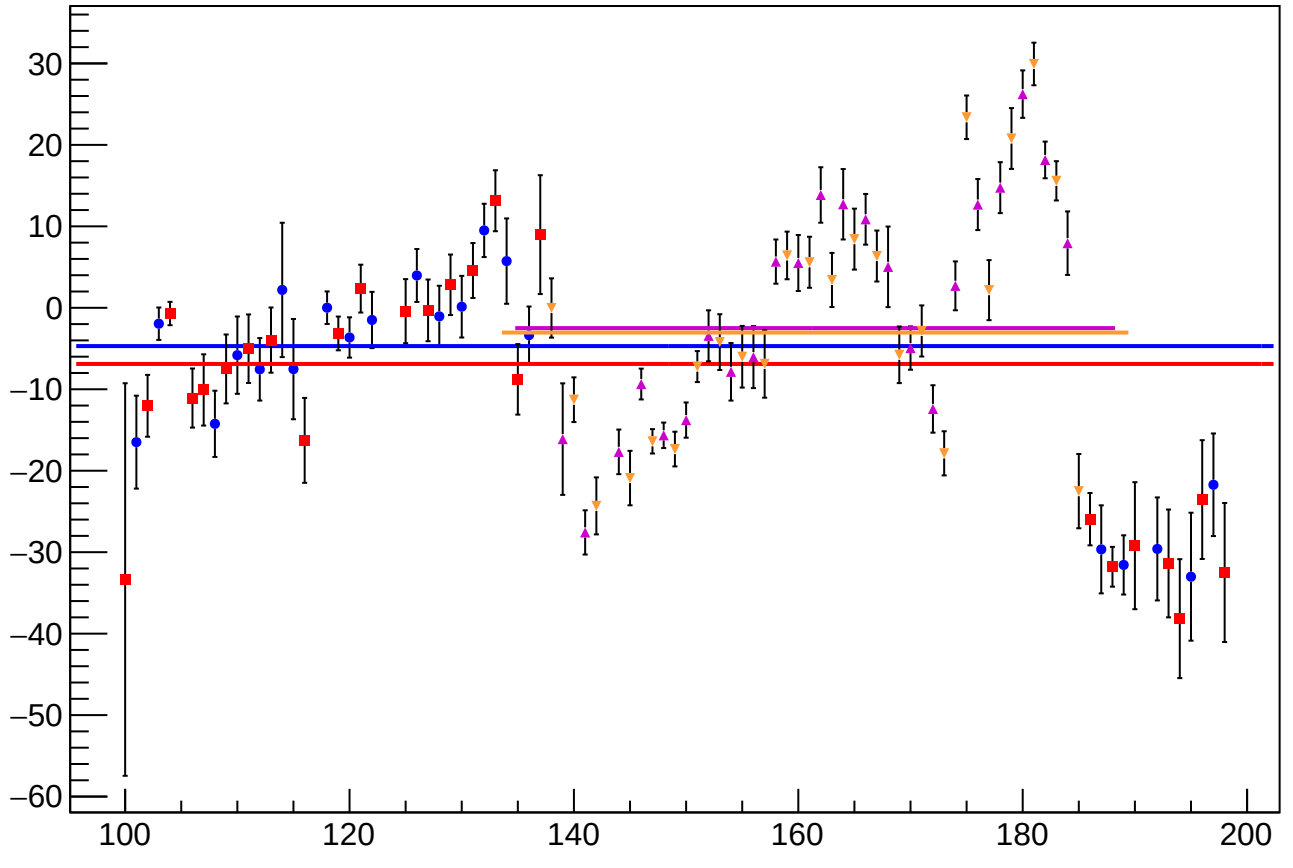
Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

Right: 142.365+/-0.498 χ^2/NDF: 21079.5/45

In: 150.476+/-0.540 χ^2/NDF:11899.0/43

Out: 152.556+/-0.506 χ^2/NDF:16858.8/48

All: 151.583+/-0.369 χ^2/NDF: 28765.8/92



Right In: -4.700+/-0.786 χ^2/NDF: 164.2/20

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

Right Out: -6.892+/-0.700 χ^2/NDF: 292.1/24

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

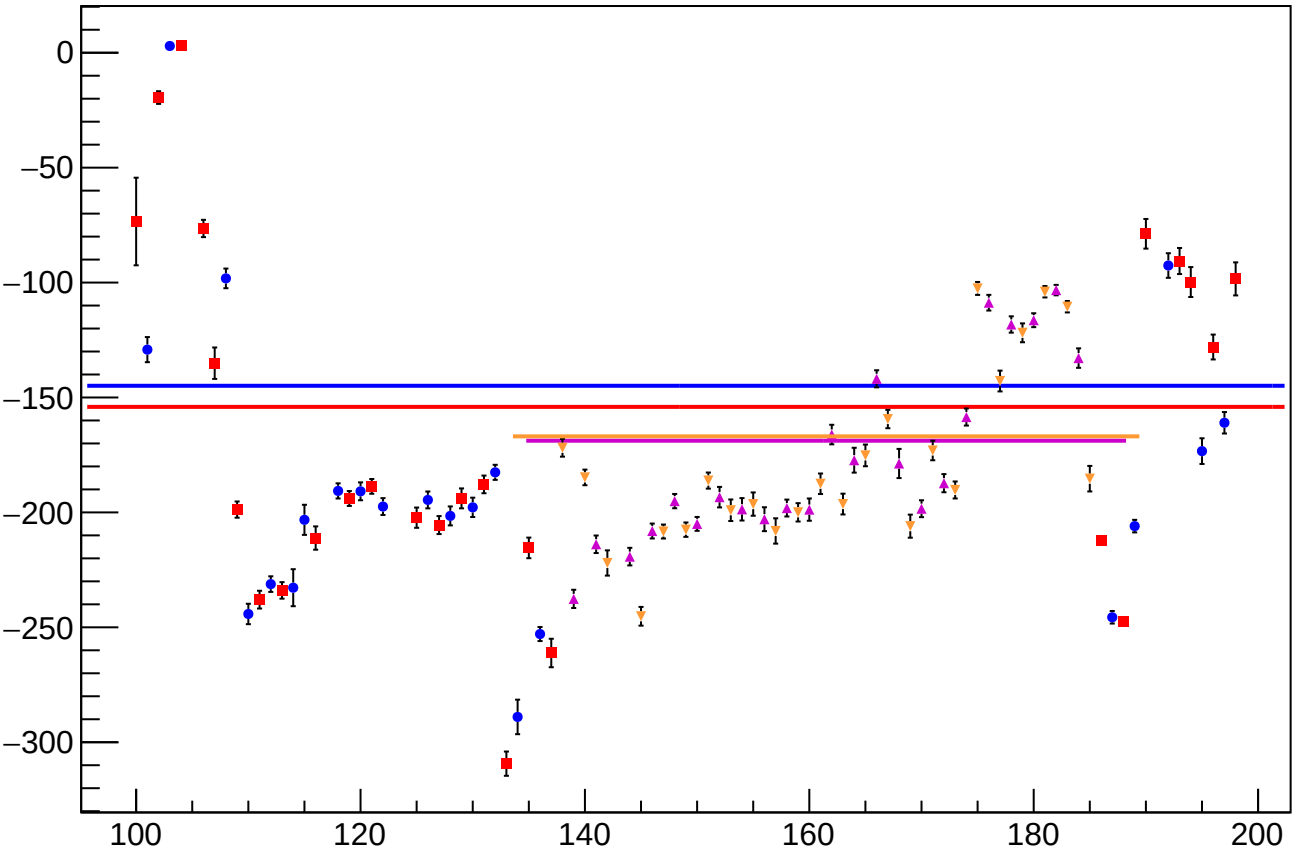
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

Right: -5.923+/-0.523 χ^2/NDF: 460.6/45

In: -3.282+/-0.470 χ^2/NDF:732.1/43

Out: -4.601+/-0.446 χ^2/NDF:964.6/48

All: -3.977+/-0.324 χ^2/NDF: 1700.9/92



Right In: -144.906+/-0.750 χ^2/NDF: 17012.5/20

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -154.087+/-0.648 χ^2/NDF: 23585.4/24

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

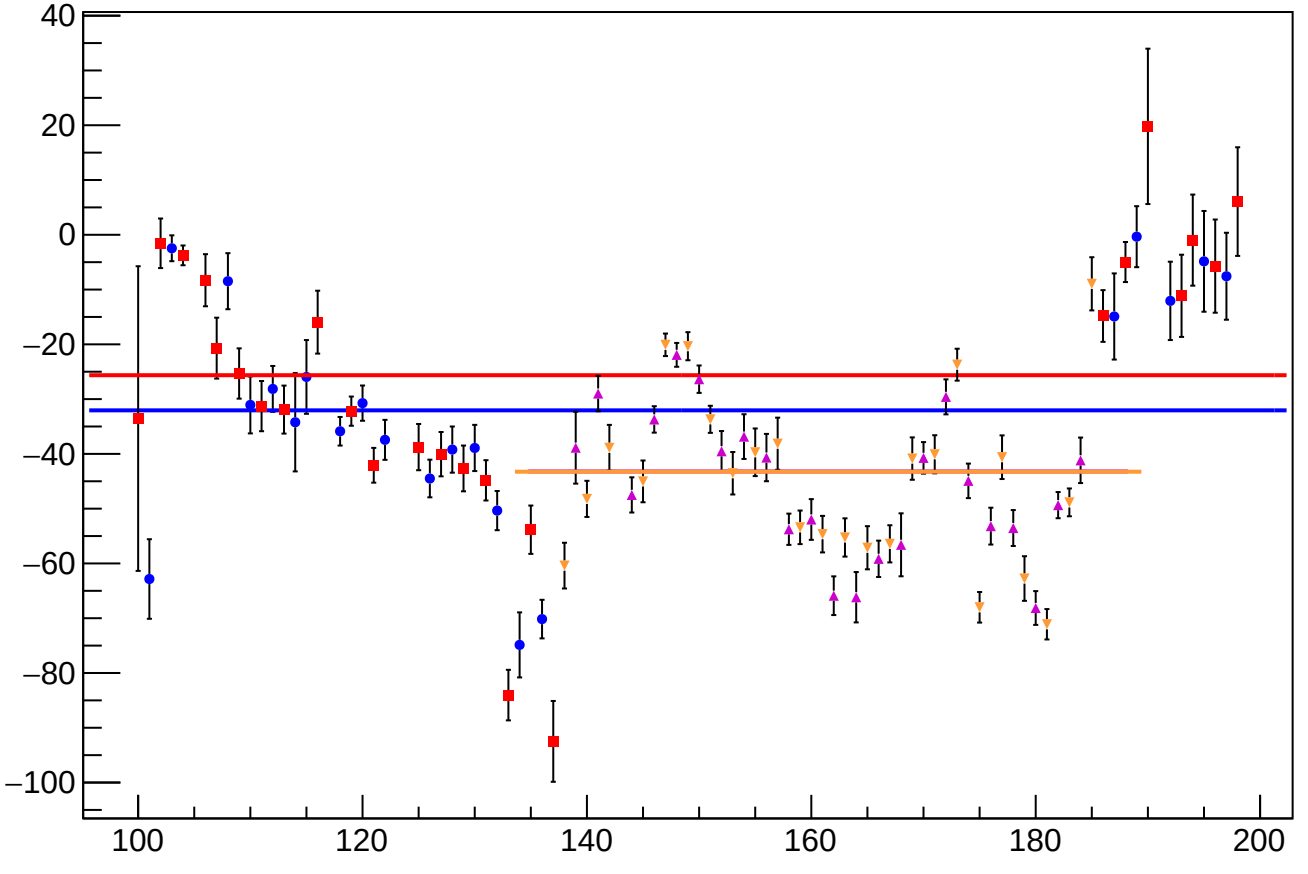
Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

Right: -150.161+/-0.491 χ^2/NDF: 40683.7/45

In: -156.509+/-0.538 χ^2/NDF:20564.9/43

Out: -159.402+/-0.496 χ^2/NDF:26843.8/48

All: -158.073+/-0.365 χ^2/NDF: 47424.2/92



Right In: -32.052+/-0.927 χ^2/NDF: 480.0/20

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

Right Out: -25.637+/-0.846 χ^2/NDF: 653.5/24

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

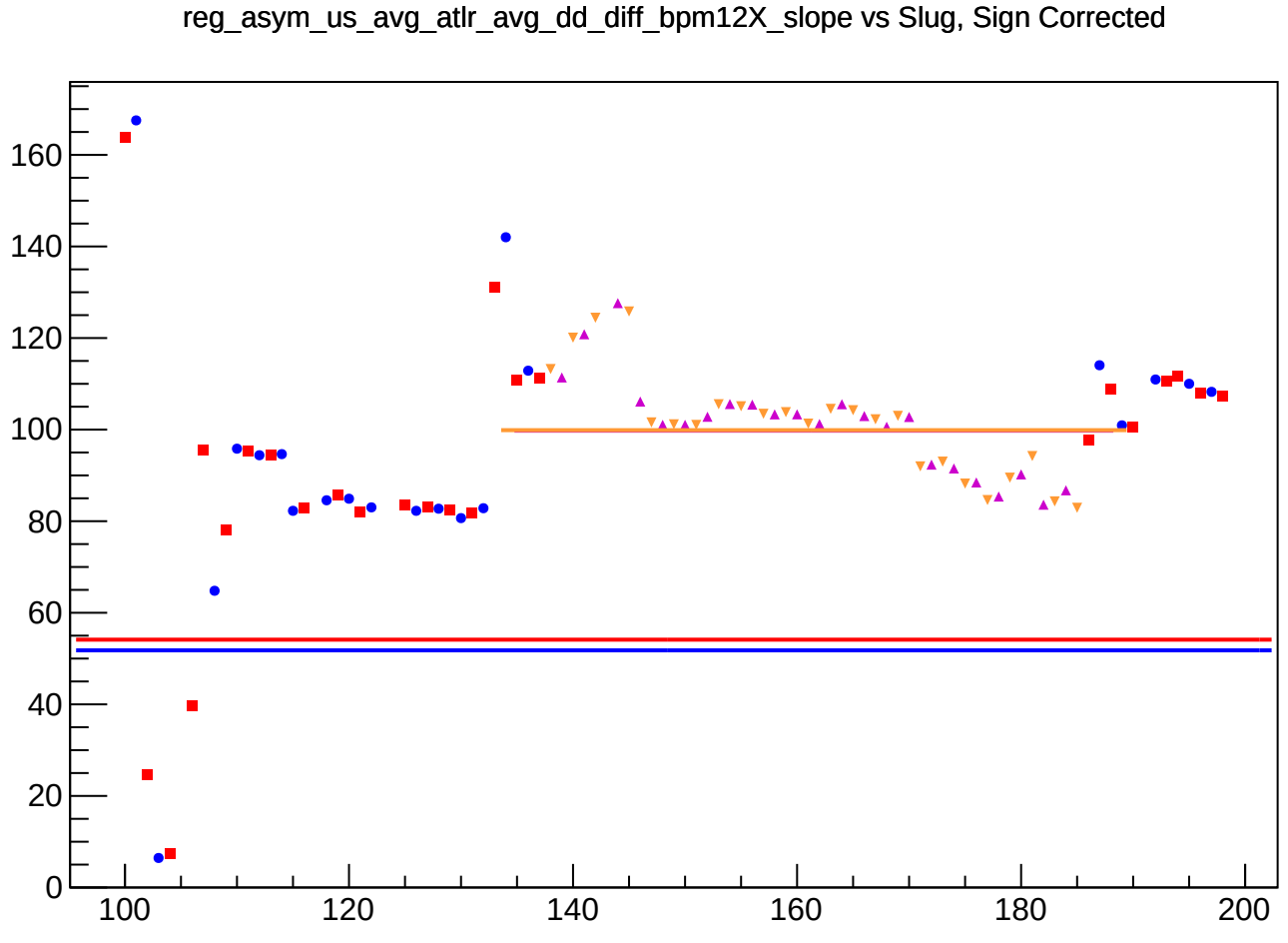
Left: -43.229+/-0.472 χ^2/NDF: 1016.0/46

Right: -28.552+/-0.625 χ^2/NDF: 1159.6/45

In: -39.380+/-0.543 χ^2/NDF:980.9/43

Out: -36.538+/-0.522 χ^2/NDF:1531.9/48

All: -37.904+/-0.376 χ^2/NDF: 2527.0/92



Right In: 51.794+/-0.042 χ^2/NDF: 1324005.0/20

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

Right Out: 54.127+/-0.041 χ^2/NDF: 1161983.3/24

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

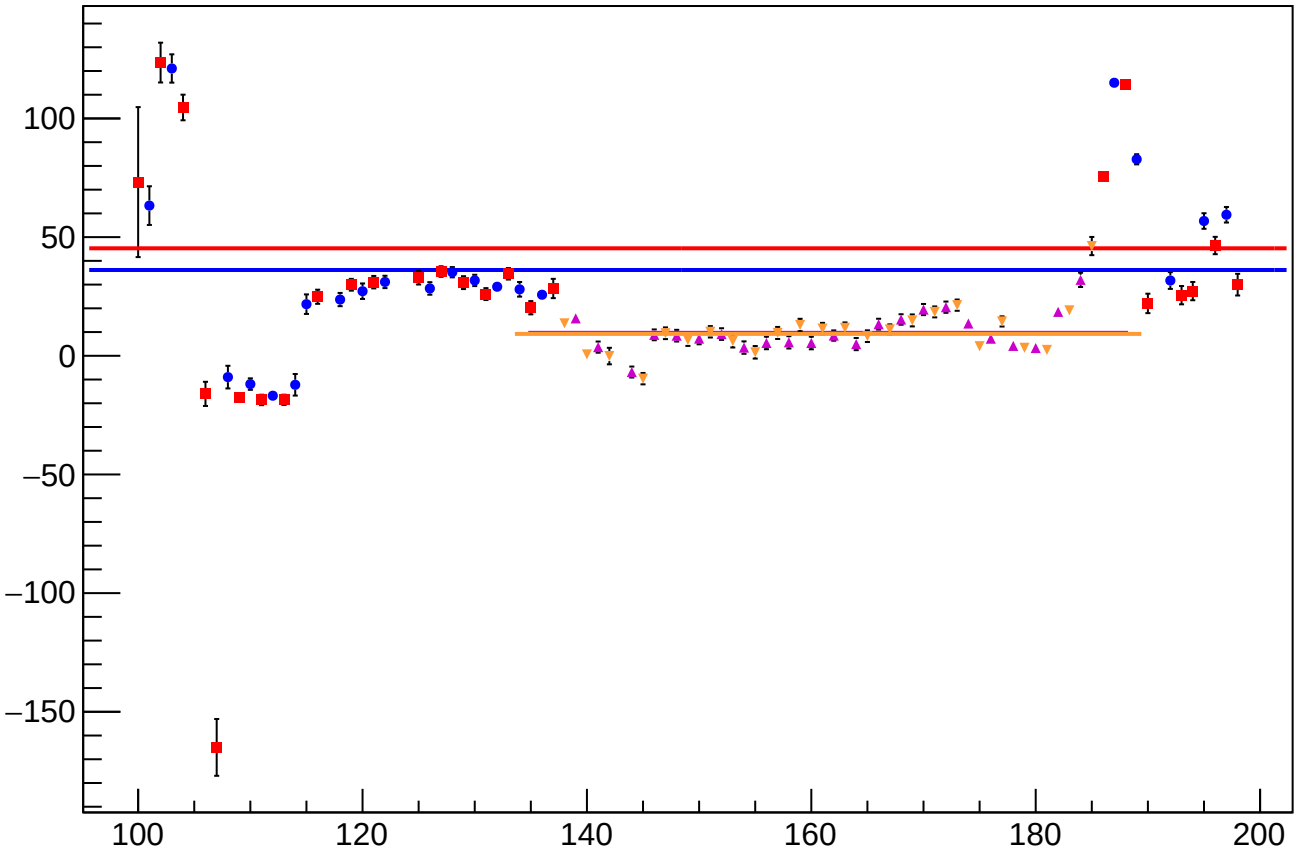
Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

Right: 52.994+/-0.029 χ^2/NDF: 2487559.5/45

In: 83.277+/-0.025 χ^2/NDF:2285153.9/43

Out: 83.404+/-0.025 χ^2/NDF:2081978.3/48

All: 83.341+/-0.017 χ^2/NDF: 4367145.4/92



Right In: 36.153+/-0.592 χ^2/NDF: 3740.3/20

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

Right Out: 45.292+/-0.515 χ^2/NDF: 7789.8/24

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

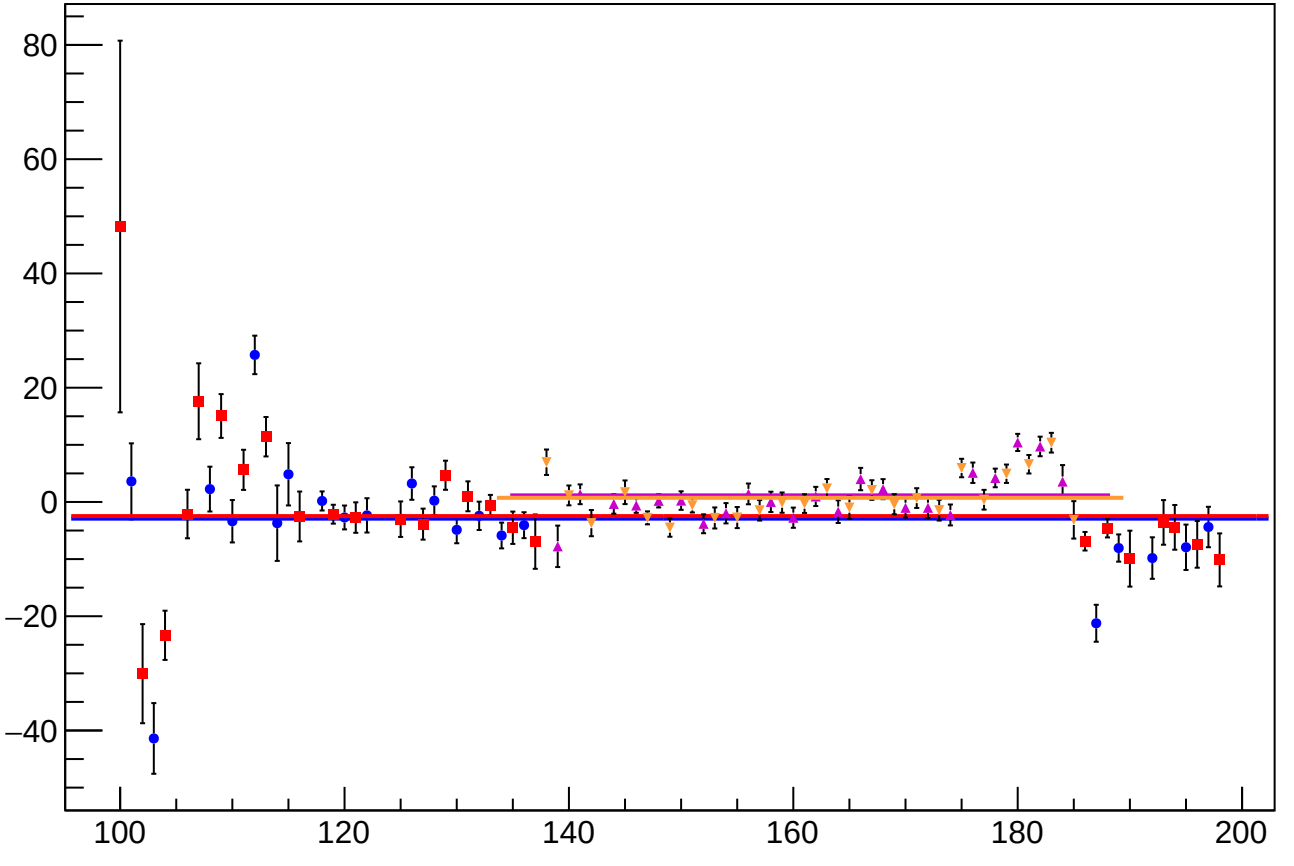
Right: 41.355+/-0.388 χ^2/NDF: 11665.9/45

In: 19.717+/-0.364 χ^2/NDF:5230.5/43

Out: 25.105+/-0.341 χ^2/NDF:10865.7/48

All: 22.585+/-0.249 χ^2/NDF: 16212.7/92

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.917+/-0.628 χ^2/NDF: 170.3/20

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -2.472+/-0.577 χ^2/NDF: 116.1/24

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

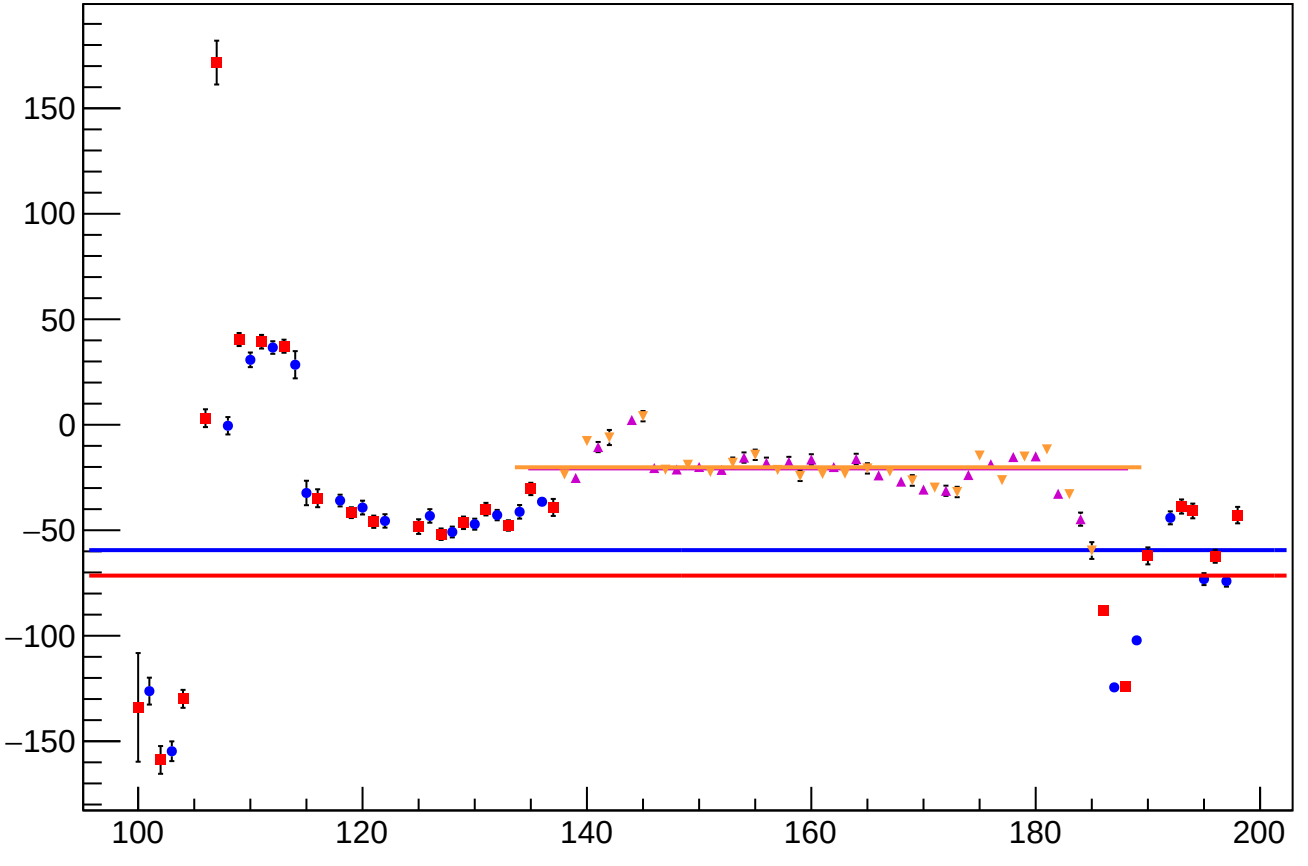
Right: -2.675+/-0.425 χ^2/NDF: 286.7/45

In: 0.159+/-0.311 χ^2/NDF:312.6/43

Out: -0.130+/-0.299 χ^2/NDF:248.4/48

All: 0.009+/-0.215 χ^2/NDF: 561.4/92

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.422+/-0.610 χ^2/NDF: 5301.7/20

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -71.493+/-0.500 χ^2/NDF: 9507.4/24

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

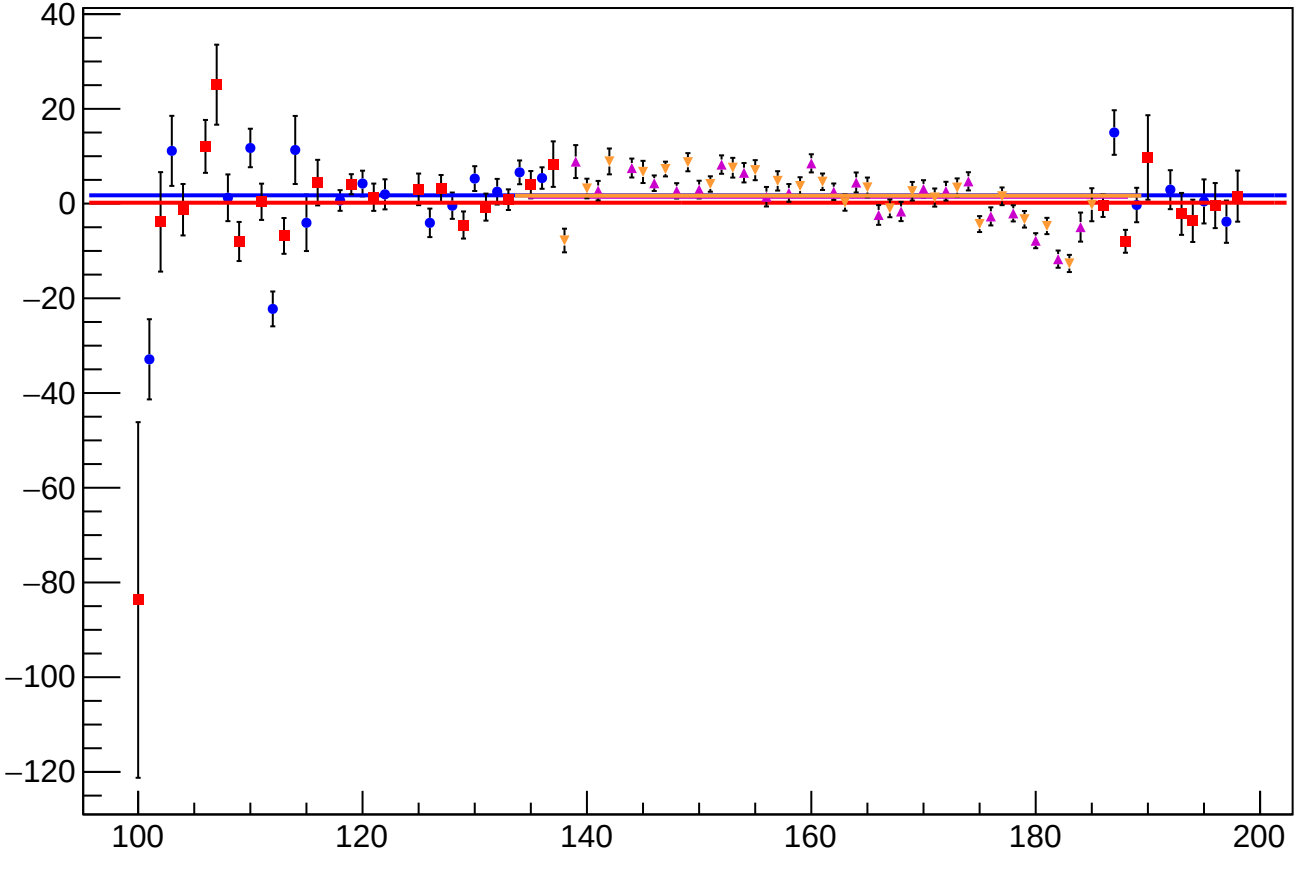
Right: -66.648+/-0.387 χ^2/NDF: 15043.4/45

In: -34.628+/-0.366 χ^2/NDF:8191.7/43

Out: -43.280+/-0.335 χ^2/NDF:15728.9/48

All: -39.332+/-0.247 χ^2/NDF: 24224.3/92

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 1.742+/-0.735 χ^2/NDF: 93.3/20

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

Right Out: 0.180+/-0.700 χ^2/NDF: 53.1/24

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

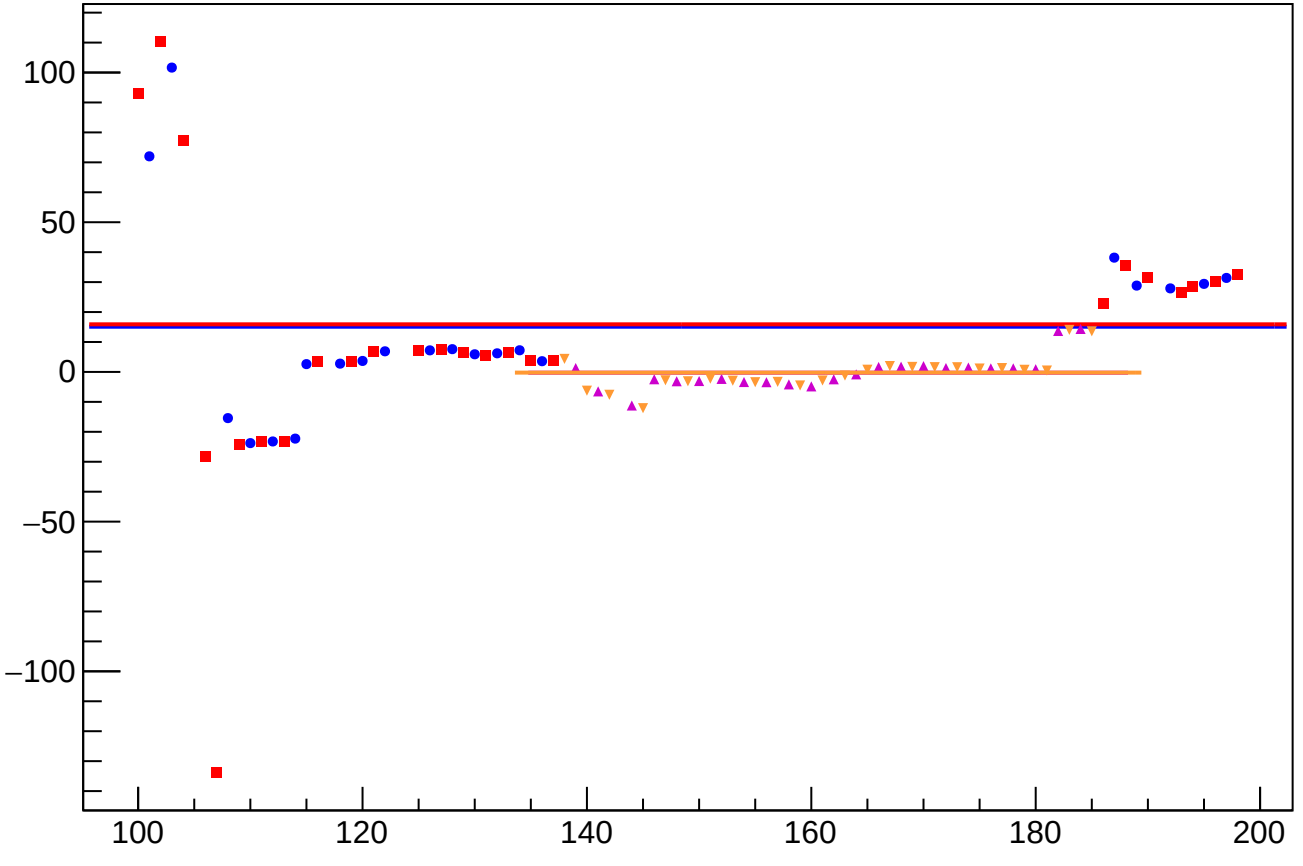
Right: 0.923+/-0.507 χ^2/NDF: 148.7/45

In: 1.500+/-0.353 χ^2/NDF:256.2/43

Out: 1.311+/-0.344 χ^2/NDF:234.5/48

All: 1.403+/-0.246 χ^2/NDF: 490.9/92

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 15.106+/-0.040 χ^2/NDF: 379510.5/20

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 15.900+/-0.038 χ^2/NDF: 557392.0/24

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

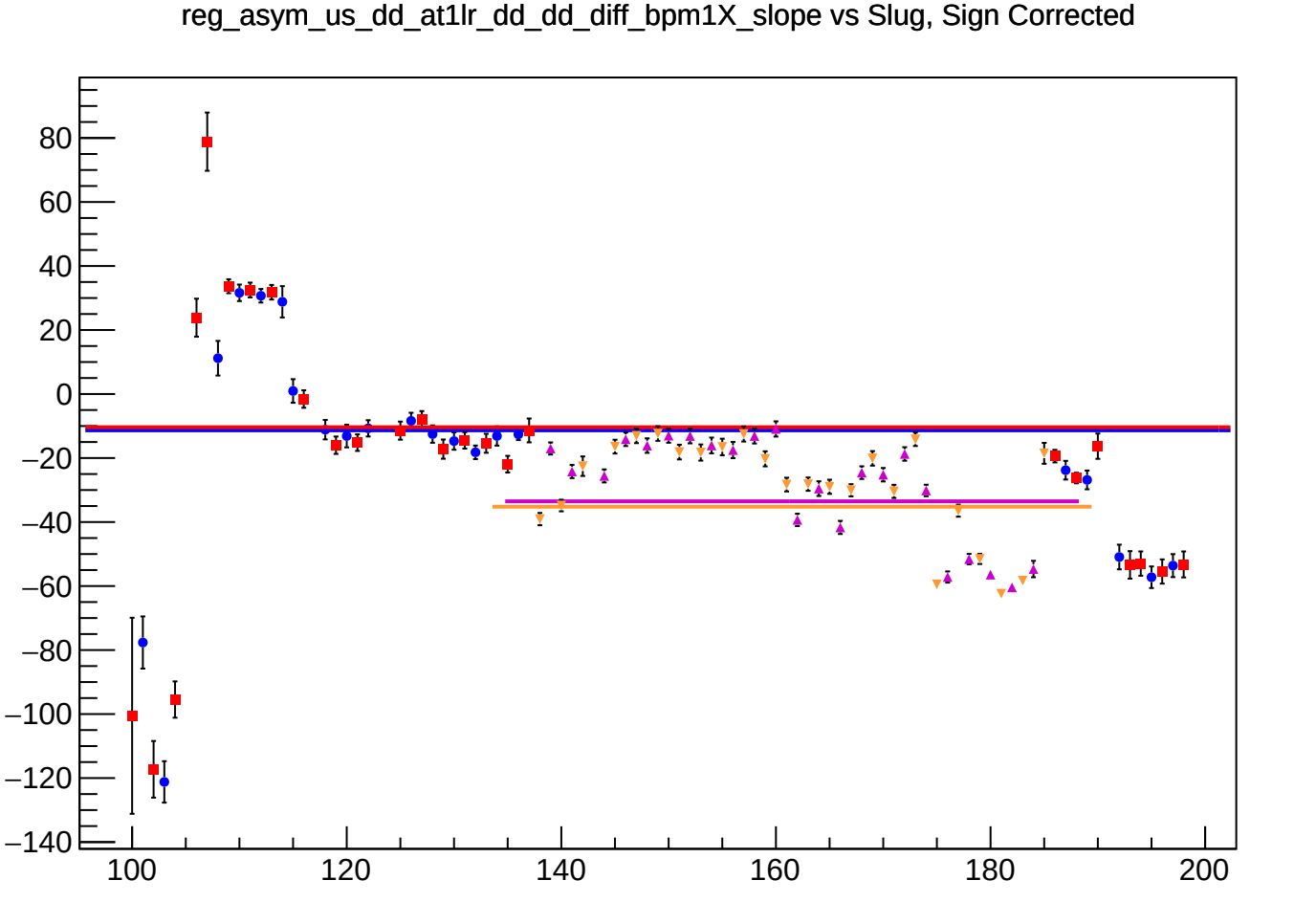
Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

Right: 15.518+/-0.028 χ^2/NDF: 937108.5/45

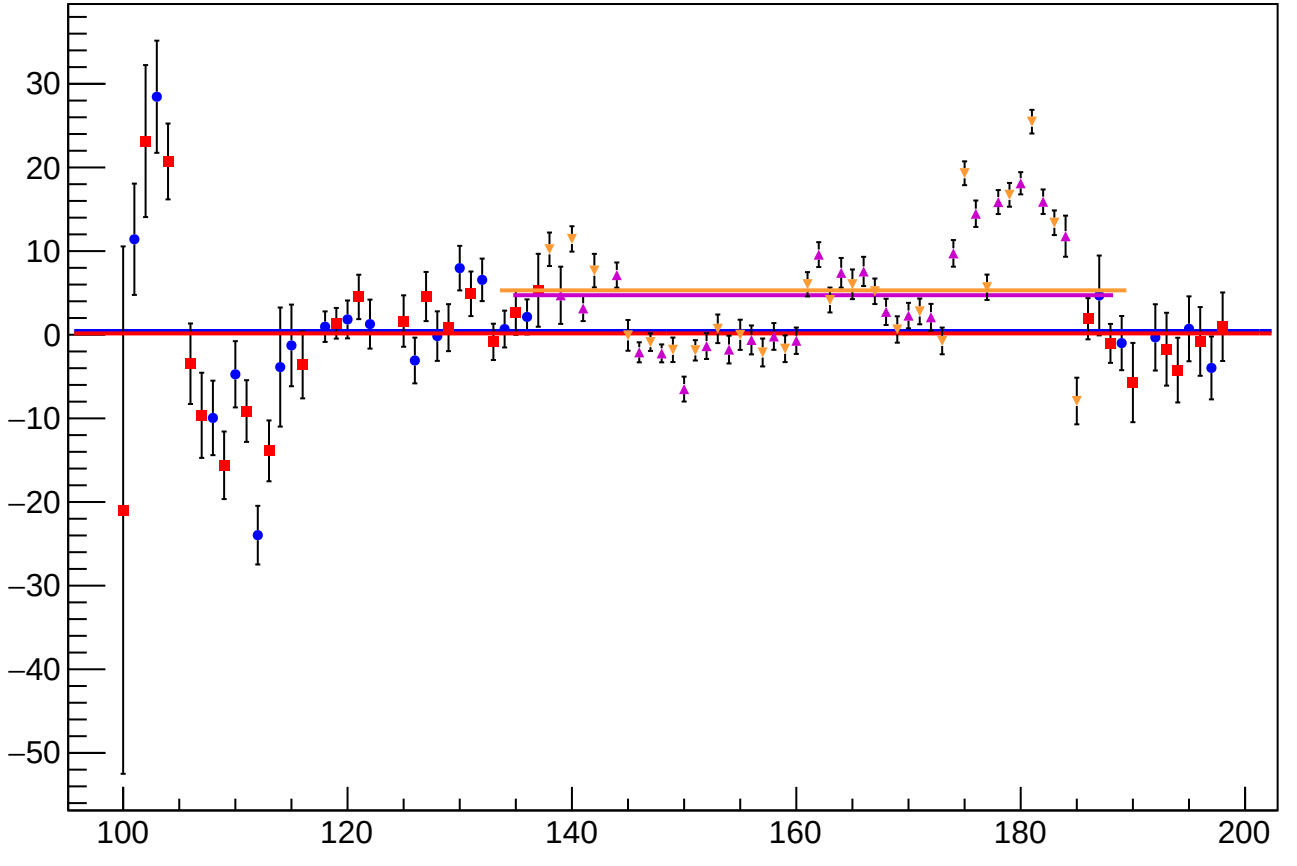
In: 2.267+/-0.016 χ^2/NDF:576290.5/43

Out: 2.582+/-0.016 χ^2/NDF:784138.1/48

All: 2.427+/-0.011 χ^2/NDF: 1360619.4/92


reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
120
140
160
180
200
Right In: -11.339+/-0.640 χ²/NDF: 1609.9/20
Left Out: -35.201+/-0.408 χ²/NDF:1850.7/23
Right Out: -10.382+/-0.585 χ²/NDF: 2246.1/24
Left In: -33.528+/-0.414 χ²/NDF:1806.1/22
Left: -34.376+/-0.291 χ²/NDF: 3665.2/46
Right: -10.818+/-0.432 χ²/NDF: 3857.2/45
In: -26.989+/-0.347 χ²/NDF:4263.8/43
Out: -27.079+/-0.335 χ²/NDF:5306.9/48
All: -27.036+/-0.241 χ²/NDF: 9570.7/92

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.447+/-0.669 χ^2/NDF: 95.3/20

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

Right Out: 0.158+/-0.647 χ^2/NDF: 84.2/24

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

Left: 5.023+/-0.225 χ^2/NDF: 1122.0/46

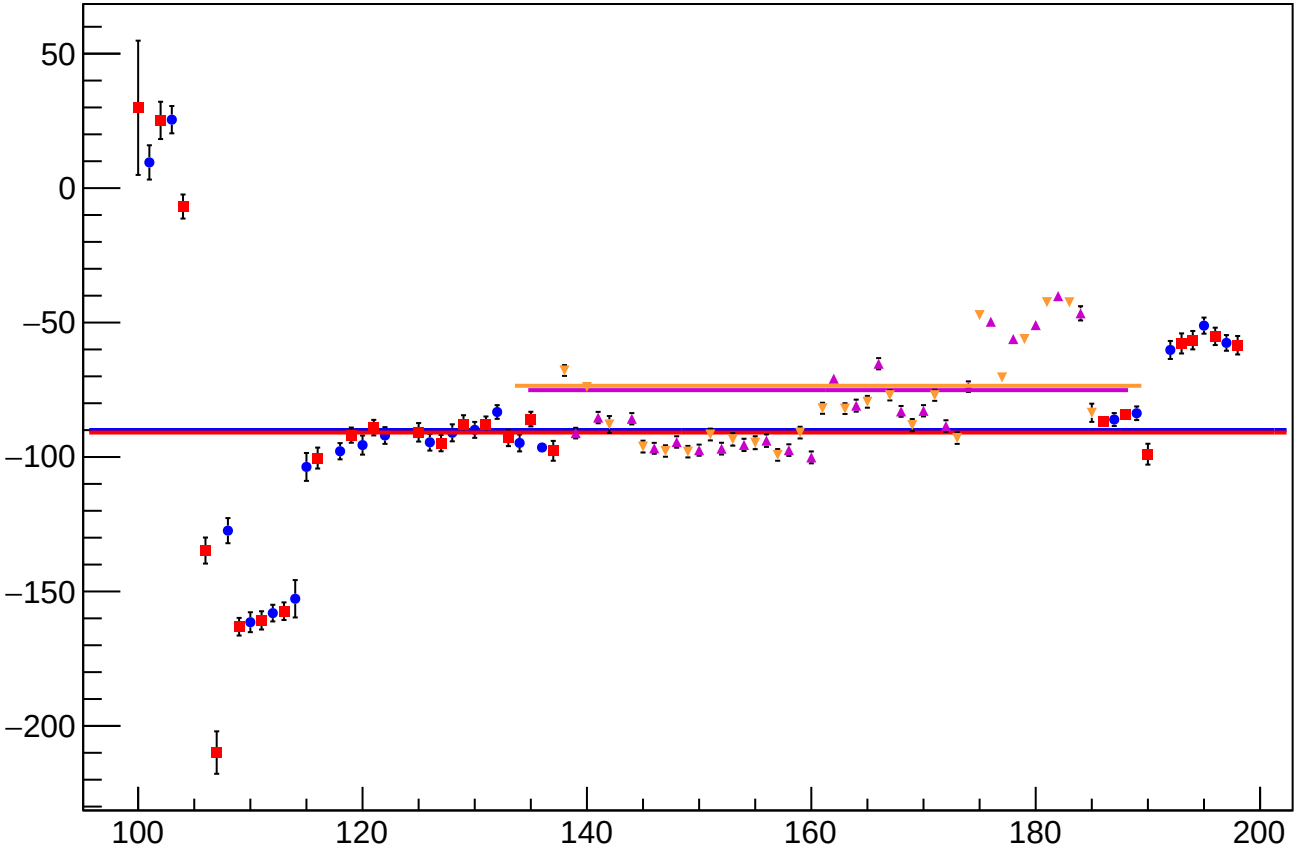
Right: 0.298+/-0.465 χ^2/NDF: 179.6/45

In: 3.926+/-0.290 χ^2/NDF:624.5/43

Out: 4.321+/-0.283 χ^2/NDF:759.8/48

All: 4.128+/-0.202 χ^2/NDF: 1385.2/92

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -89.962+/-0.680 χ^2/NDF: 2180.5/20

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

Right Out: -90.895+/-0.599 χ^2/NDF: 2732.4/24

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

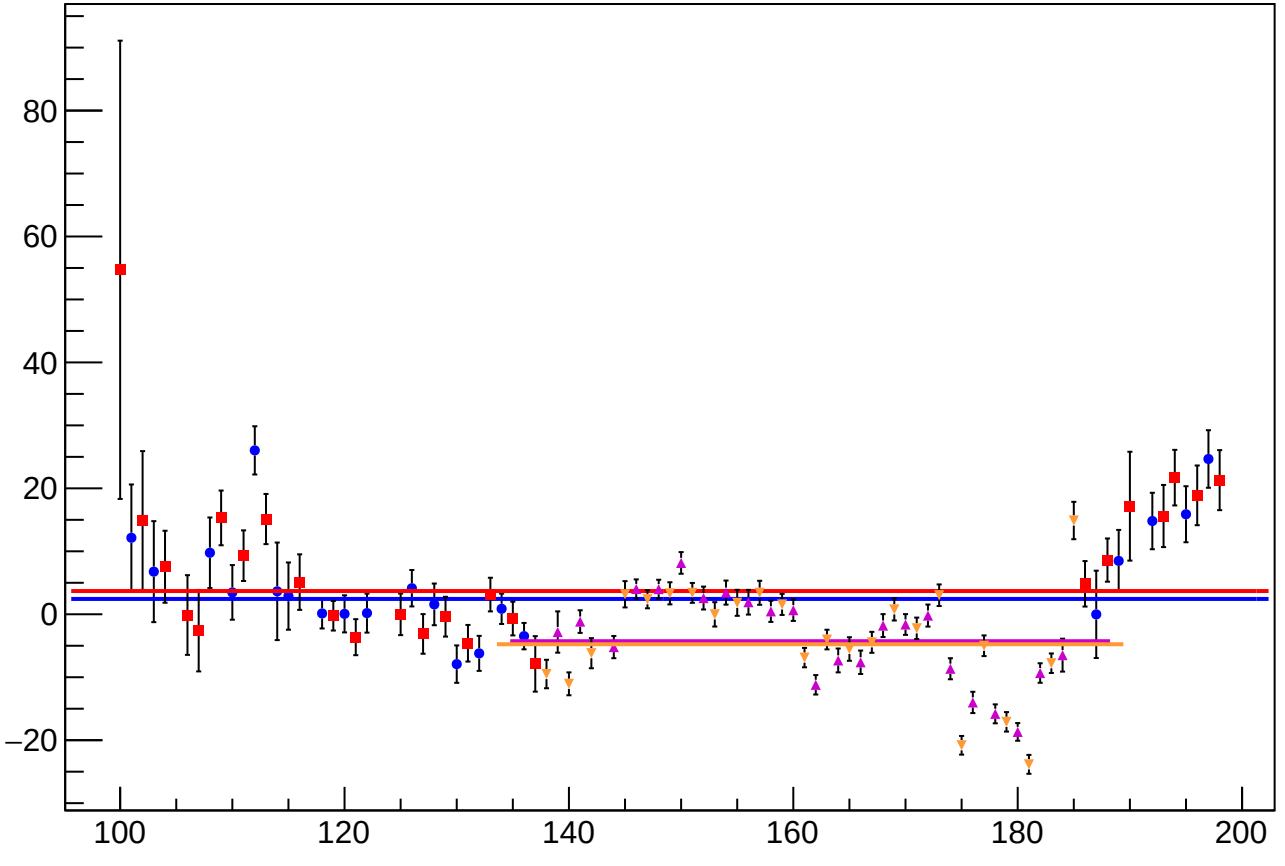
Right: -90.488+/-0.449 χ^2/NDF: 4913.9/45

In: -79.085+/-0.351 χ^2/NDF:4891.0/43

Out: -78.973+/-0.336 χ^2/NDF:5703.1/48

All: -79.026+/-0.243 χ^2/NDF: 10594.2/92

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.436+/-0.769 χ^2/NDF: 116.1/20

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

Right Out: 3.691+/-0.763 χ^2/NDF: 107.9/24

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

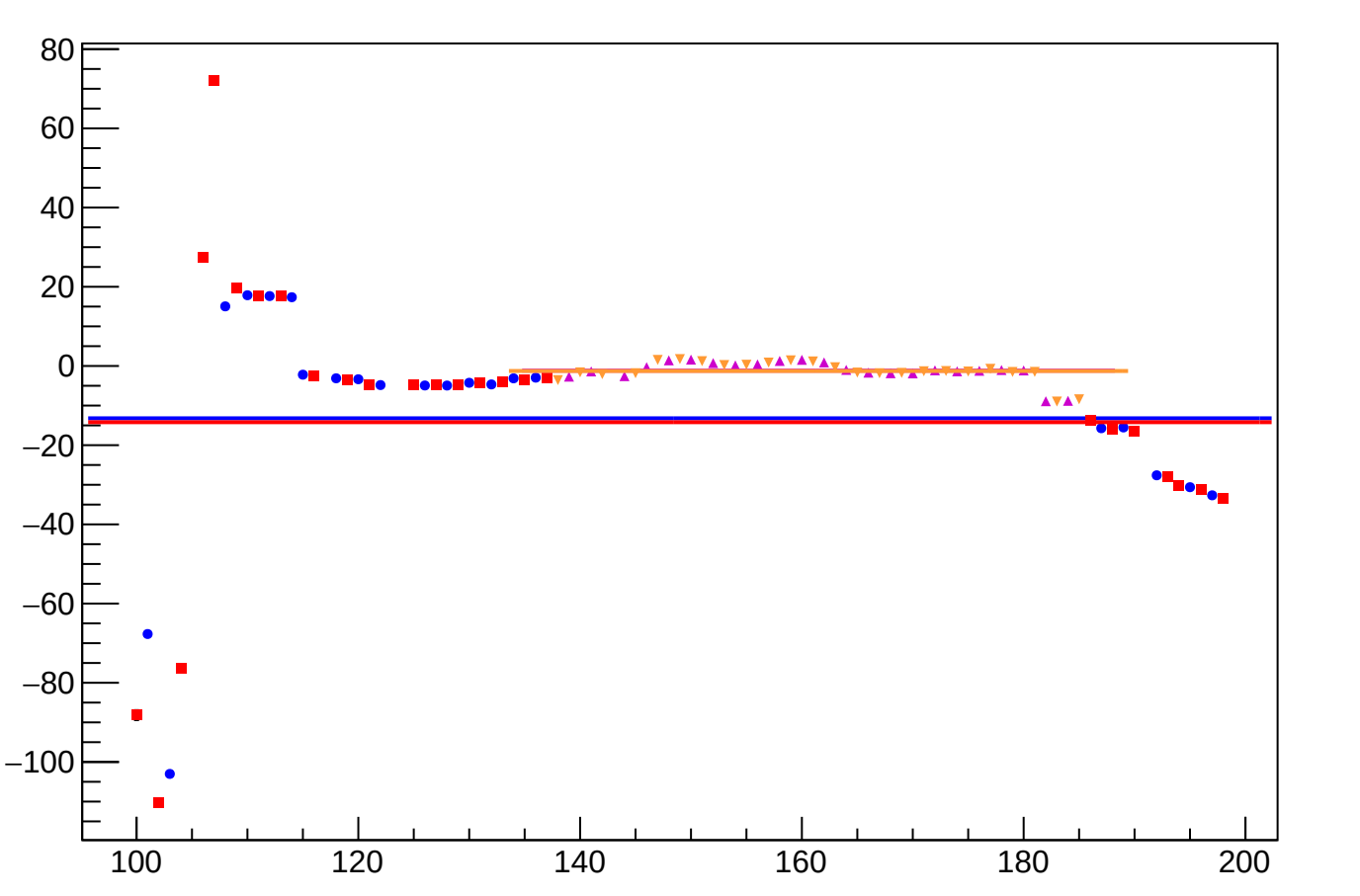
Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

Right: 3.069+/-0.541 χ^2/NDF: 225.3/45

In: -3.065+/-0.327 χ^2/NDF:602.7/43

Out: -3.258+/-0.322 χ^2/NDF:785.8/48

All: -3.163+/-0.229 χ^2/NDF: 1388.7/92



Right In: -13.216+/-0.041 χ^2/NDF: 326941.1/20

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -14.196+/-0.040 χ^2/NDF: 425710.0/24

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

Left: -1.224+/-0.011 χ^2/NDF: 49860.2/46

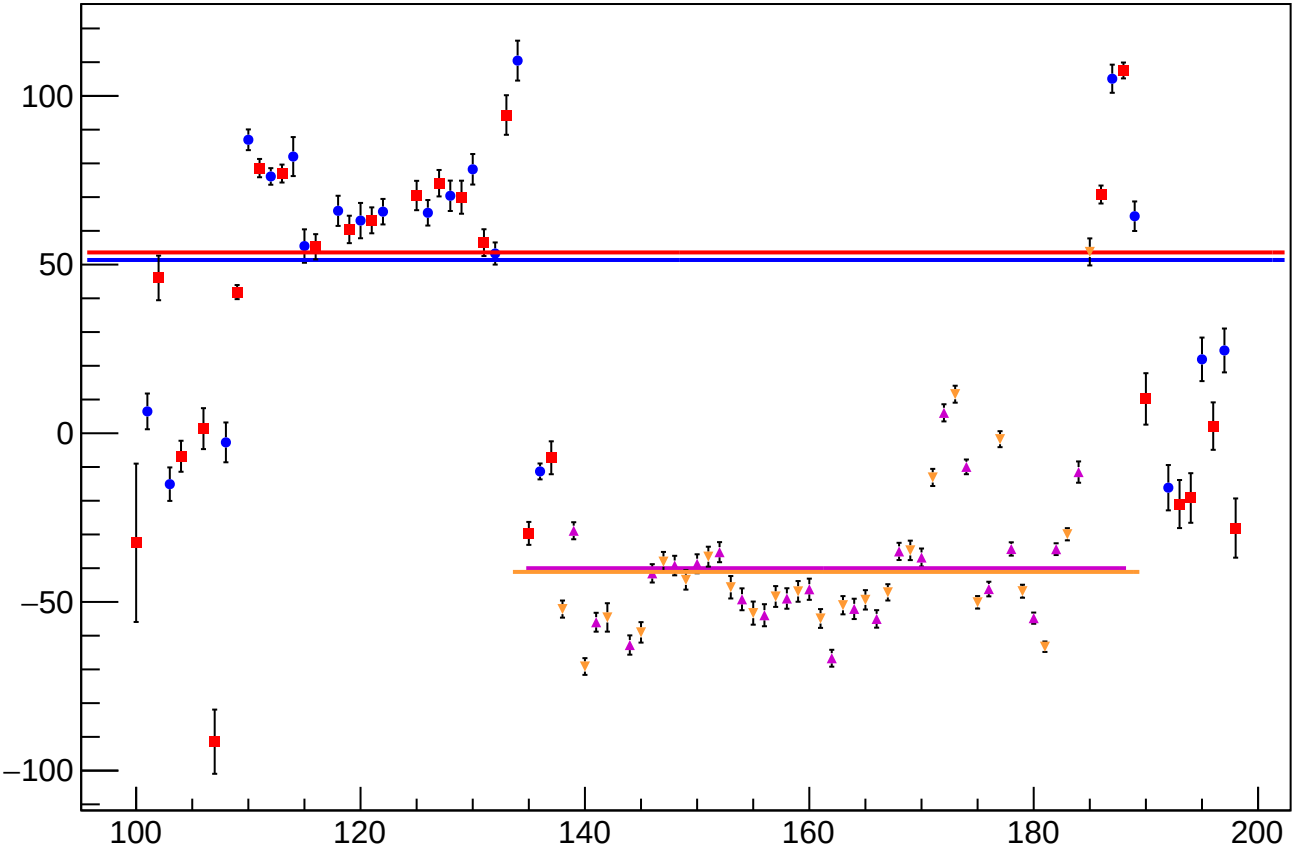
Right: -13.711+/-0.029 χ^2/NDF: 752946.3/45

In: -2.795+/-0.015 χ^2/NDF:428035.9/43

Out: -3.016+/-0.015 χ^2/NDF:540630.0/48

All: -2.906+/-0.010 χ^2/NDF: 968777.4/92

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 51.365+/-0.894 χ^2/NDF: 1817.8/20

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 53.604+/-0.789 χ^2/NDF: 2502.2/24

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

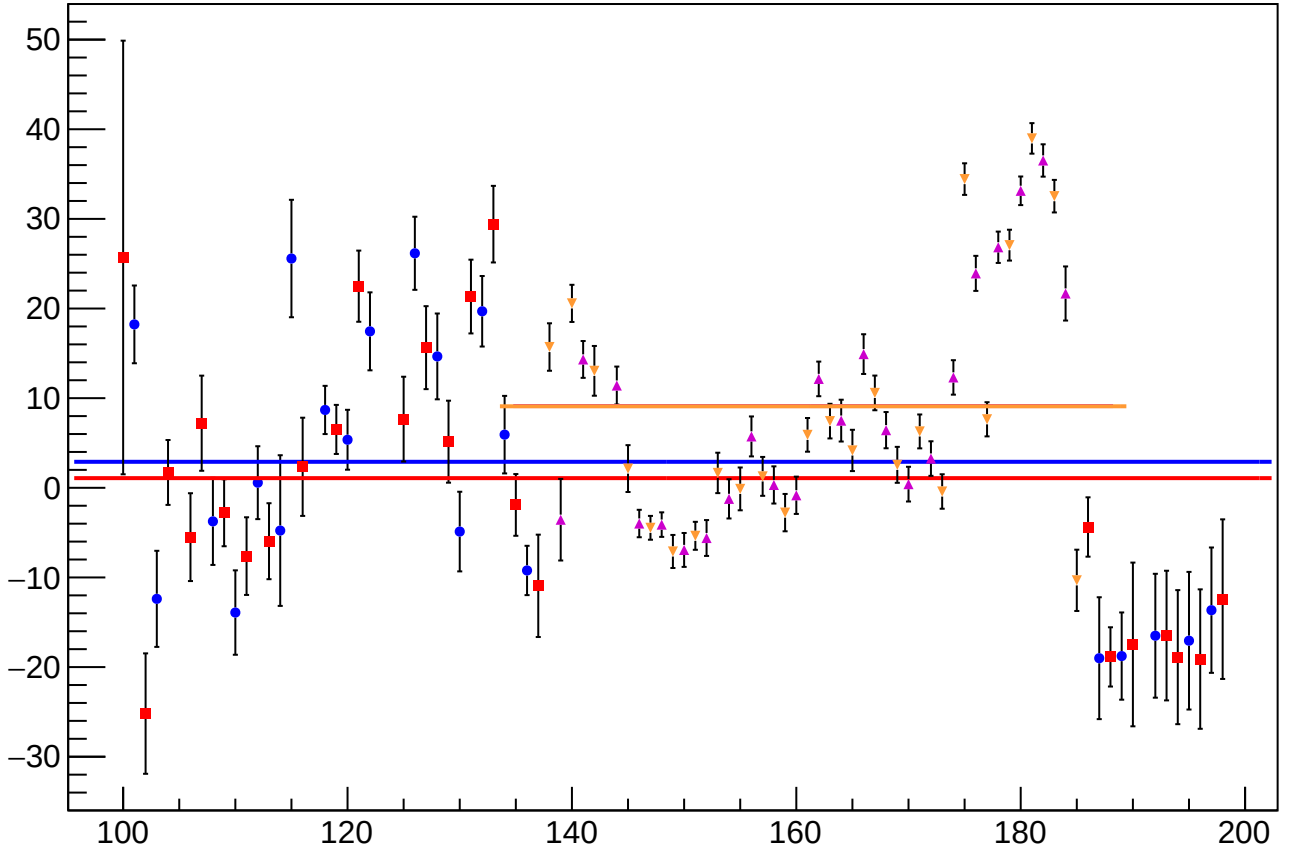
Right: 52.623+/-0.591 χ^2/NDF: 4323.5/45

In: -16.601+/-0.452 χ^2/NDF:10627.3/43

Out: -12.620+/-0.433 χ^2/NDF:14525.7/48

All: -14.523+/-0.313 χ^2/NDF: 25193.5/92

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.901+/-0.962 χ^2/NDF: 195.0/20

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: 1.079+/-0.906 χ^2/NDF: 211.8/24

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

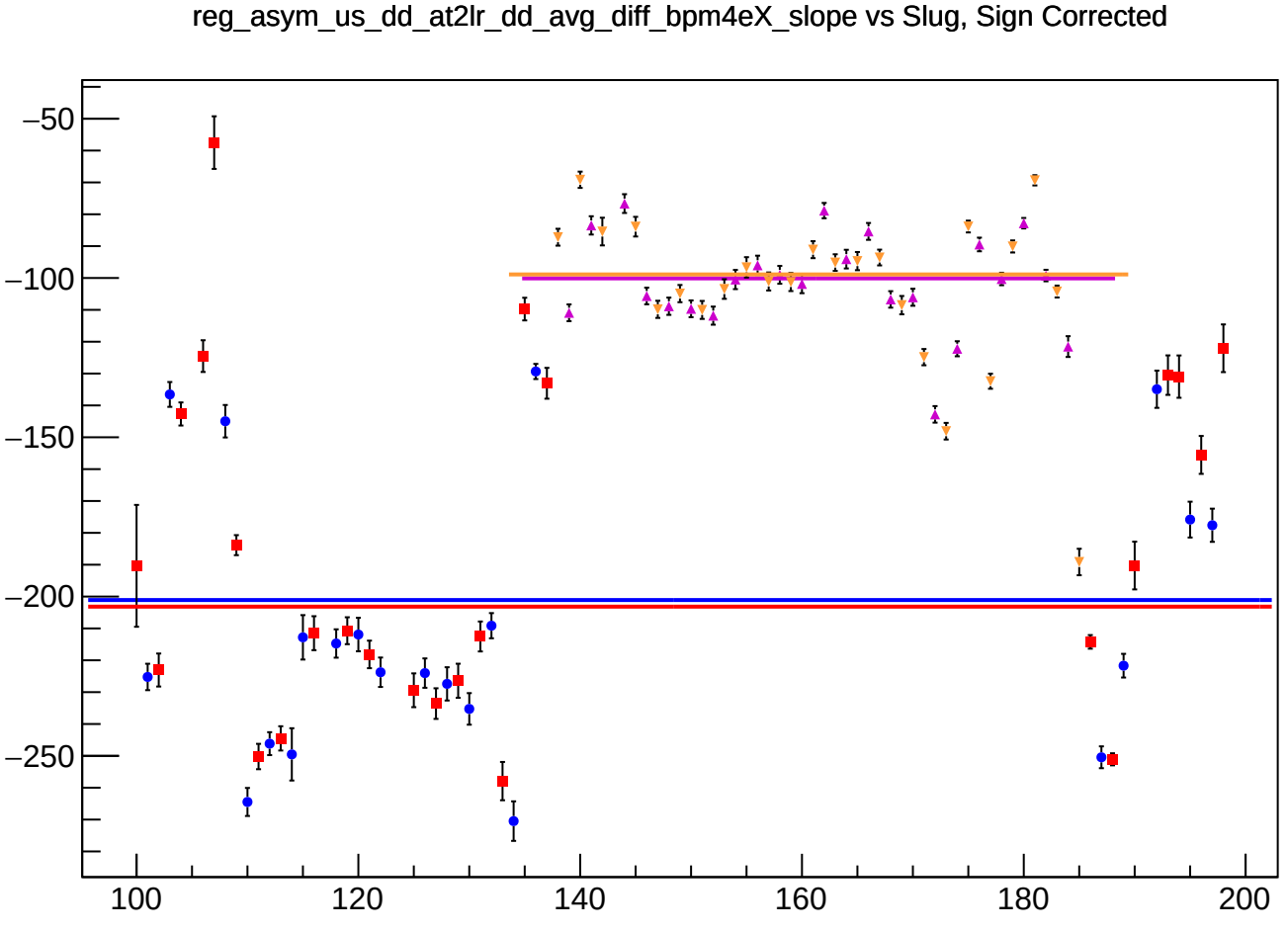
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

Right: 1.936+/-0.660 χ^2/NDF: 408.7/45

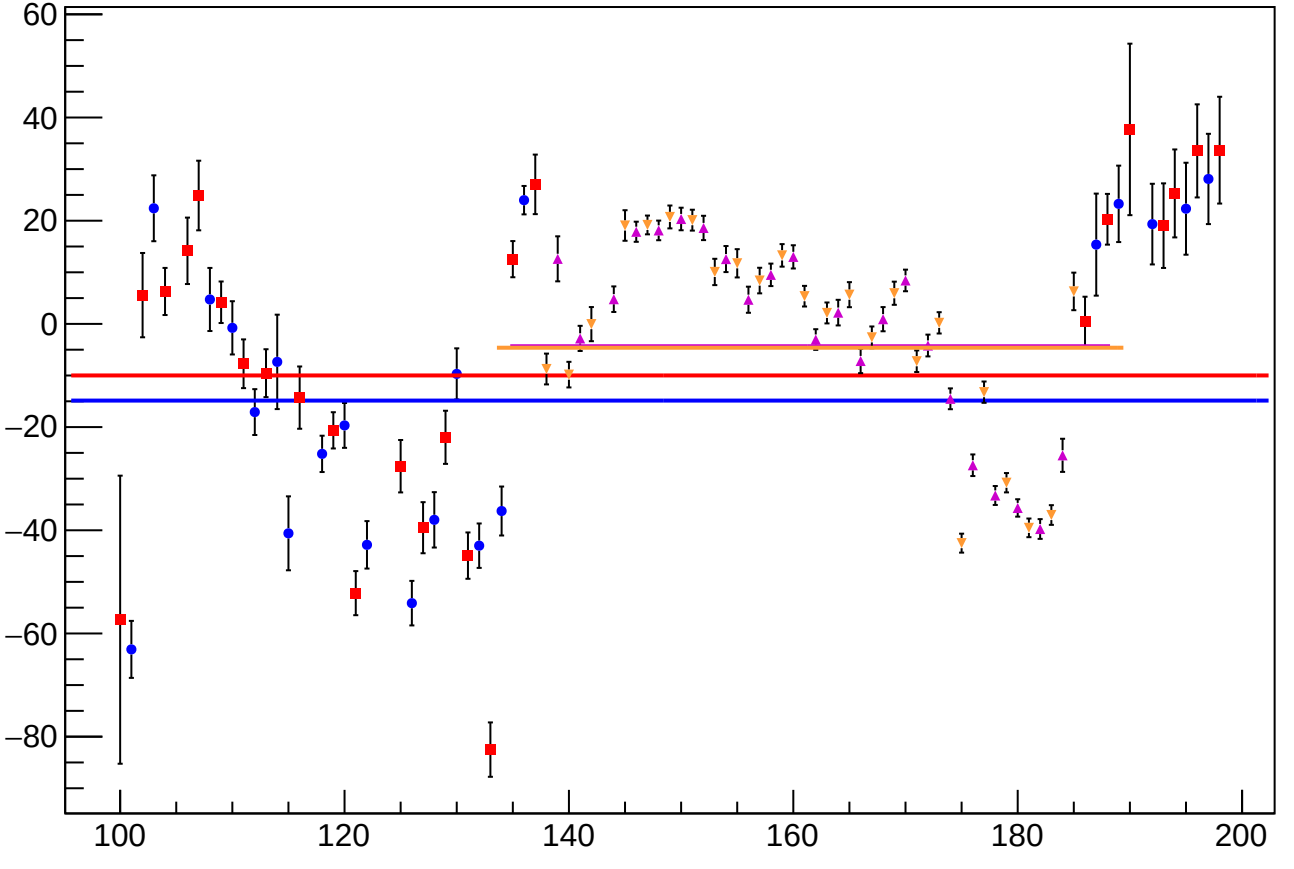
In: 8.169+/-0.376 χ^2/NDF:1282.2/43

Out: 7.780+/-0.367 χ^2/NDF:1530.9/48

All: 7.970+/-0.263 χ^2/NDF: 2813.7/92


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: -201.091+/-0.950 χ²/NDF: 2414.1/20
Left Out: -98.883+/-0.514 χ²/NDF:1824.5/23
Right Out: -203.163+/-0.825 χ²/NDF: 3343.9/24
Left In: -100.127+/-0.520 χ²/NDF:823.2/22
Left: -99.498+/-0.366 χ²/NDF: 2650.6/46
Right: -202.272+/-0.623 χ²/NDF: 5760.7/45
In: -123.394+/-0.456 χ²/NDF:11922.5/43
Out: -128.035+/-0.436 χ²/NDF:16668.5/48
All: -125.818+/-0.315 χ²/NDF: 28645.0/92

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -14.863+/-1.108 χ^2/NDF: 649.5/20

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

Right Out: -9.991+/-1.067 χ^2/NDF: 686.7/24

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

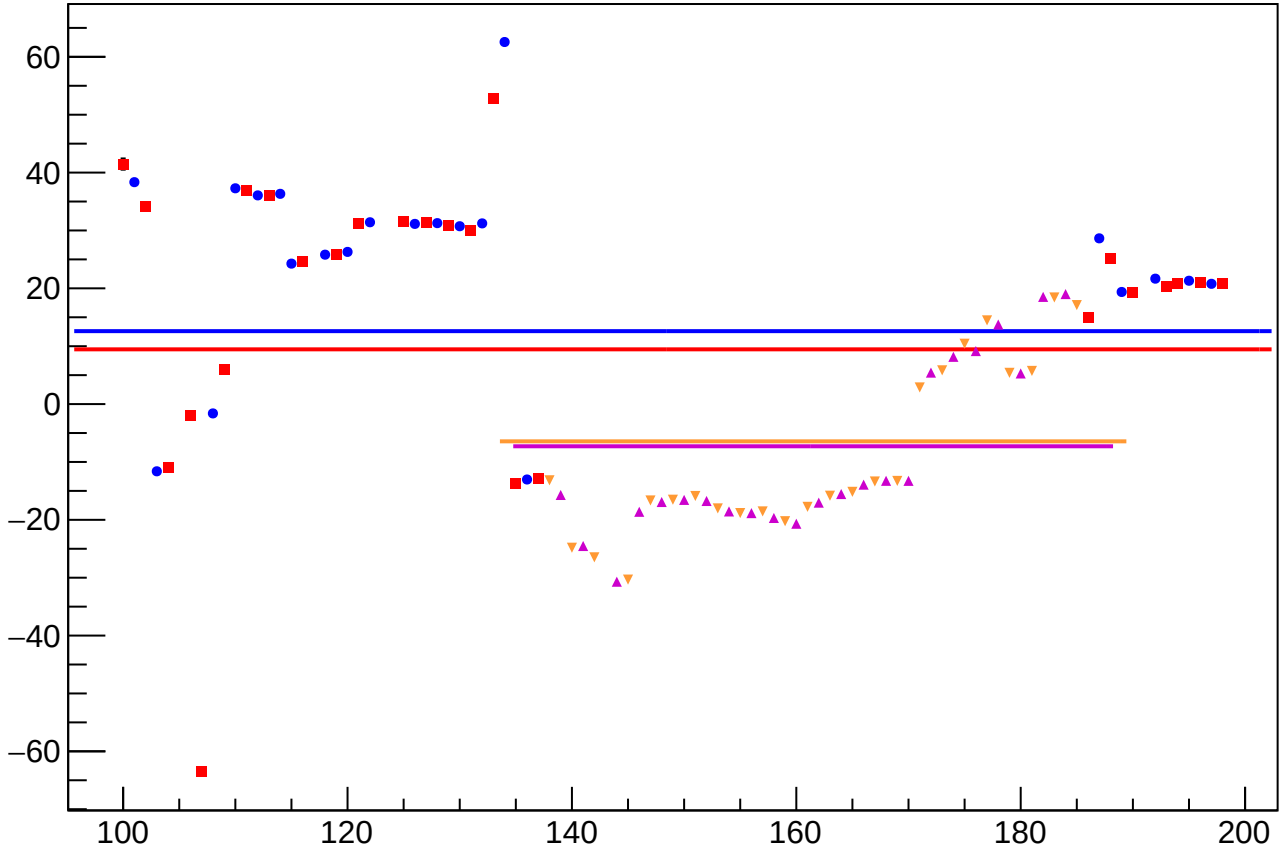
Right: -12.334+/-0.769 χ^2/NDF: 1346.1/45

In: -5.870+/-0.424 χ^2/NDF:2580.8/43

Out: -5.434+/-0.416 χ^2/NDF:2786.5/48

All: -5.647+/-0.297 χ^2/NDF: 5367.8/92

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 12.603+/-0.057 χ^2/NDF: 170221.7/20

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 9.459+/-0.055 χ^2/NDF: 170270.0/24

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

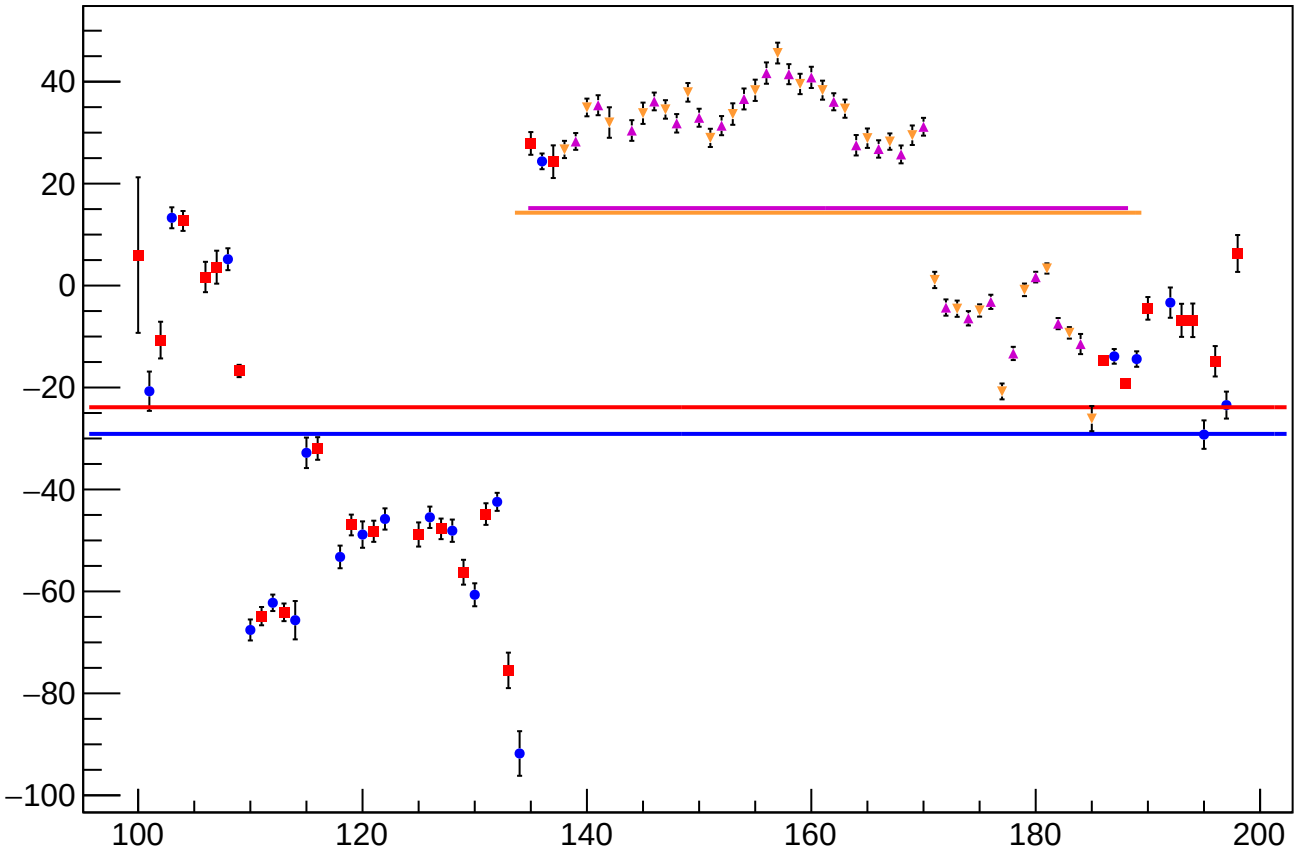
Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

Right: 10.975+/-0.040 χ^2/NDF: 342064.4/45

In: -5.056+/-0.019 χ^2/NDF:766421.5/43

Out: -4.552+/-0.019 χ^2/NDF:740484.4/48

All: -4.802+/-0.013 χ^2/NDF: 1507256.4/92



Right In: -29.098+/-0.465 χ^2/NDF: 3875.3/20

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

Right Out: -23.869+/-0.381 χ^2/NDF: 3736.9/24

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

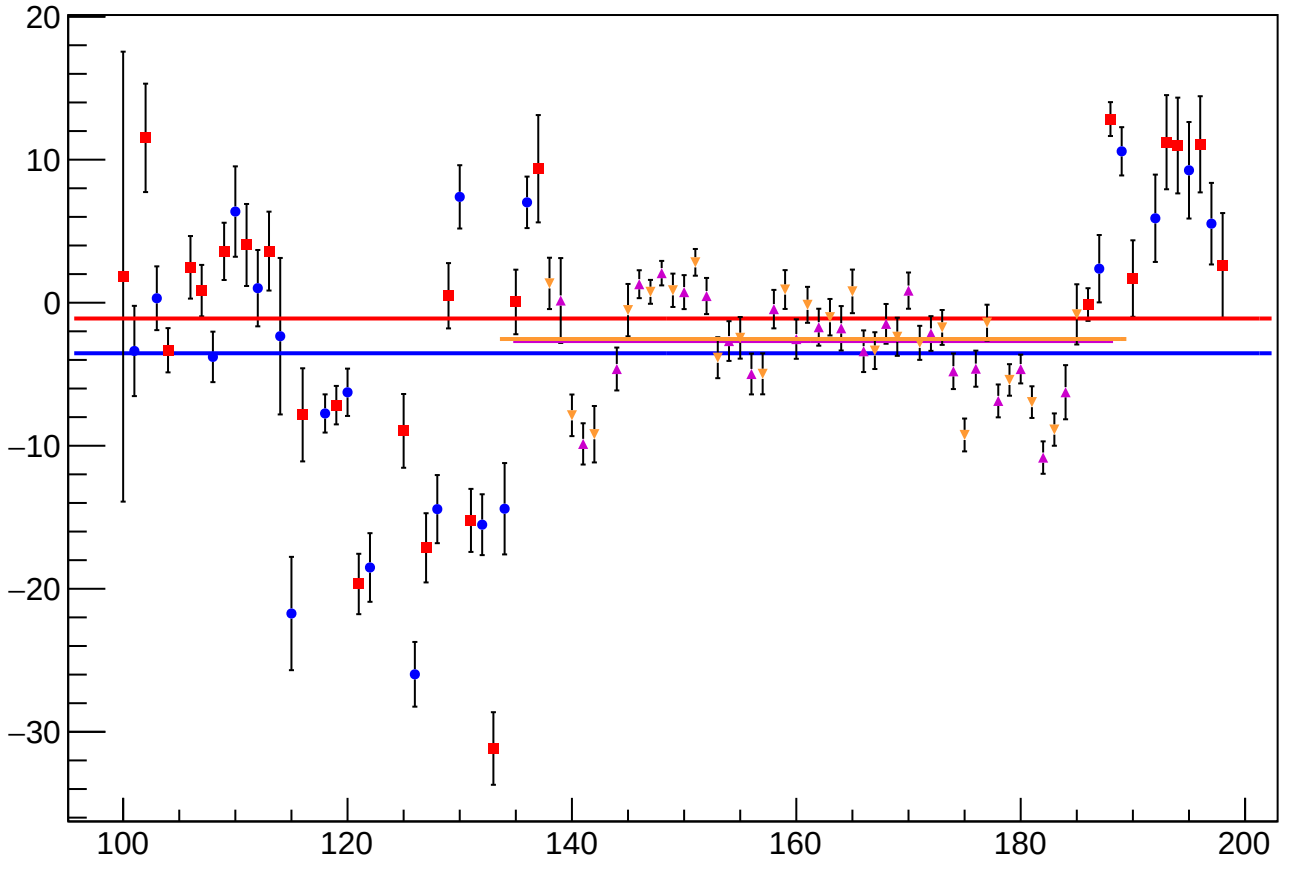
Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

Right: -25.973+/-0.295 χ^2/NDF: 7687.9/45

In: -0.217+/-0.274 χ^2/NDF:13206.9/43

Out: -2.341+/-0.252 χ^2/NDF:13113.9/48

All: -1.369+/-0.185 χ^2/NDF: 26353.4/92



Right In: -3.534+/-0.493 χ^2/NDF: 420.2/20

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -1.104+/-0.427 χ^2/NDF: 555.3/24

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

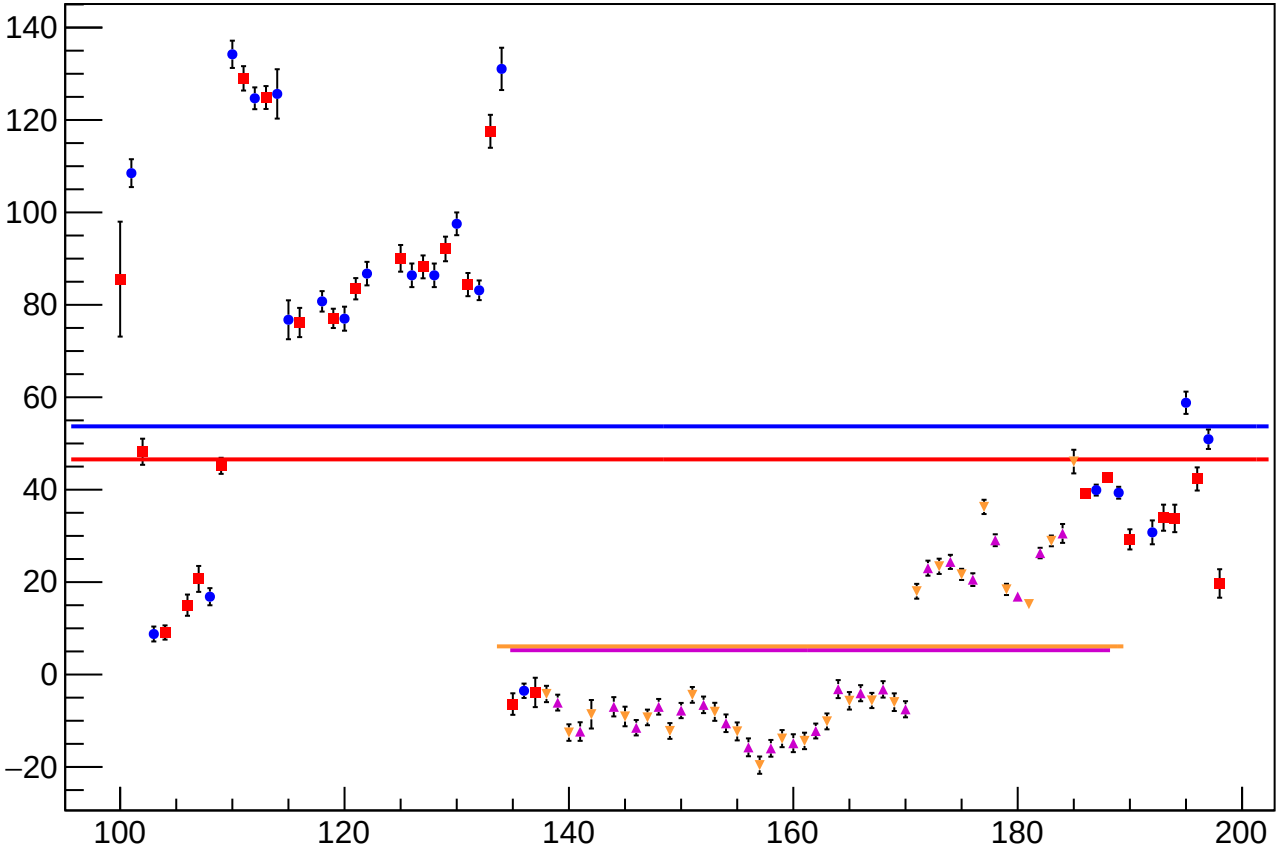
Right: -2.145+/-0.323 χ^2/NDF: 989.4/45

In: -2.872+/-0.233 χ^2/NDF:604.6/43

Out: -2.152+/-0.221 χ^2/NDF:761.9/48

All: -2.493+/-0.161 χ^2/NDF: 1371.5/92

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 53.704+/-0.461 χ^2/NDF: 6579.3/20

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 46.556+/-0.362 χ^2/NDF: 5916.1/24

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

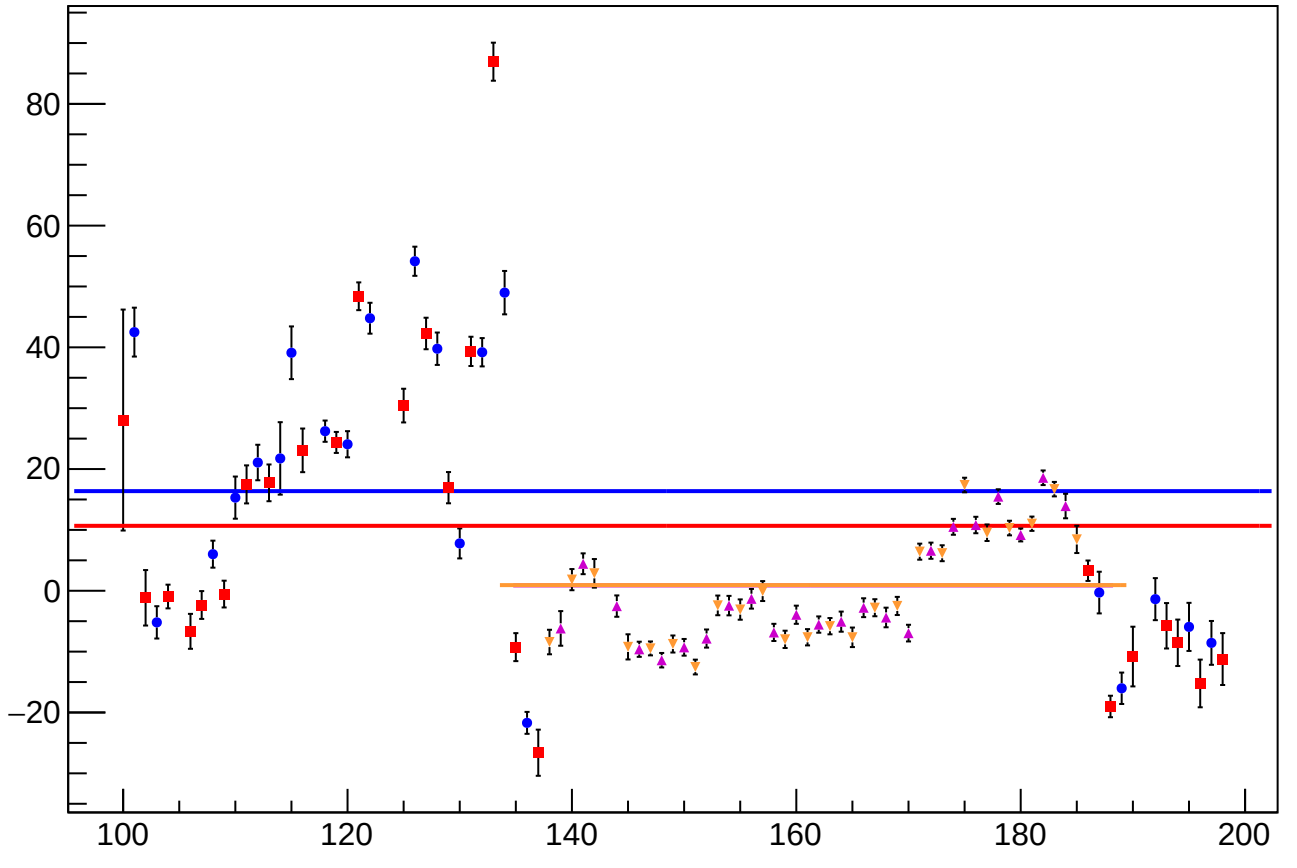
Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

Right: 49.280+/-0.285 χ^2/NDF: 12643.9/45

In: 22.089+/-0.272 χ^2/NDF:16223.7/43

Out: 24.629+/-0.245 χ^2/NDF:15458.1/48

All: 23.490+/-0.182 χ^2/NDF: 31729.9/92



Right In: 16.373+/-0.587 χ^2/NDF: 1583.6/20

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

Right Out: 10.671+/-0.527 χ^2/NDF: 2047.5/24

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

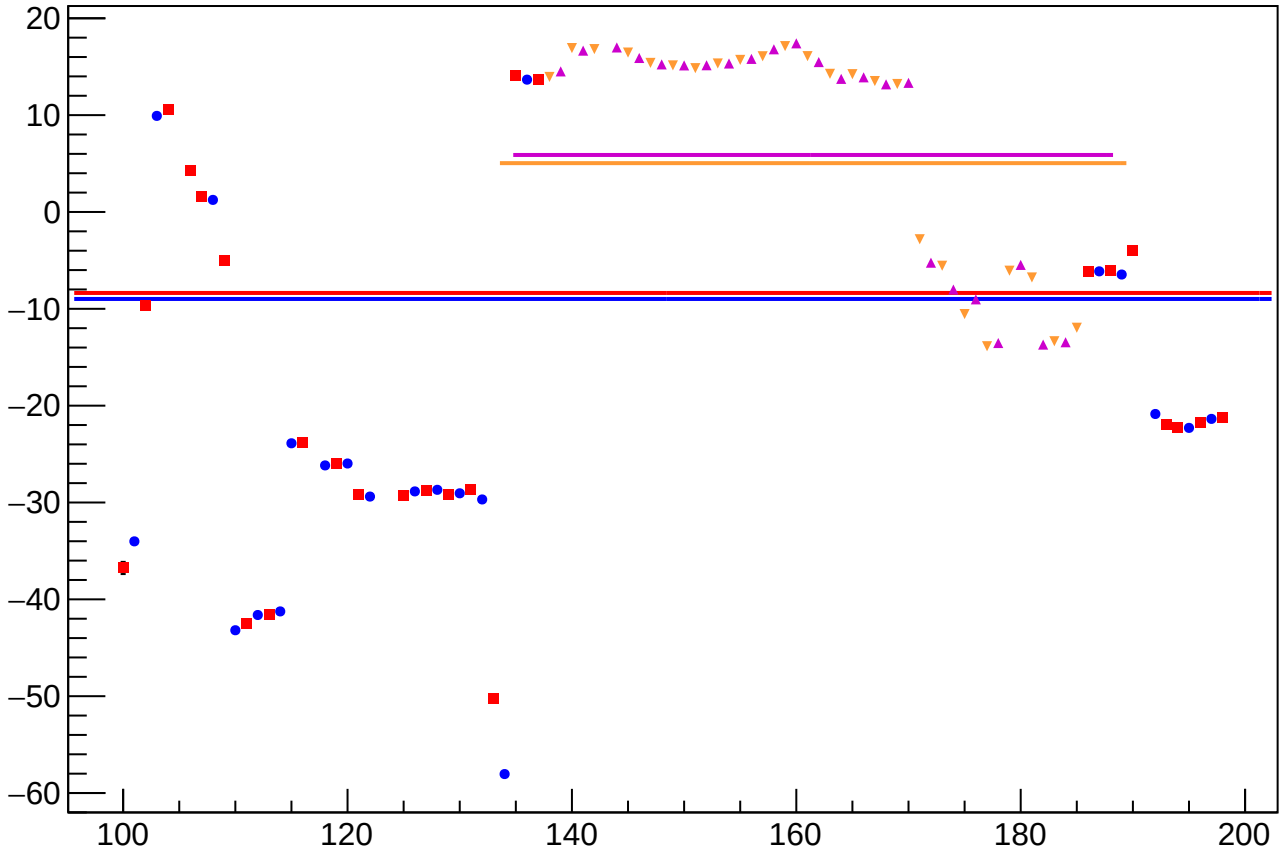
Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

Right: 13.216+/-0.392 χ^2/NDF: 3683.3/45

In: 4.039+/-0.265 χ^2/NDF:3143.9/43

Out: 3.213+/-0.255 χ^2/NDF:3350.4/48

All: 3.610+/-0.184 χ^2/NDF: 6499.4/92



Right In: -8.983+/-0.029 χ^2/NDF: 451552.9/20

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

Right Out: -8.363+/-0.027 χ^2/NDF: 371553.6/24

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

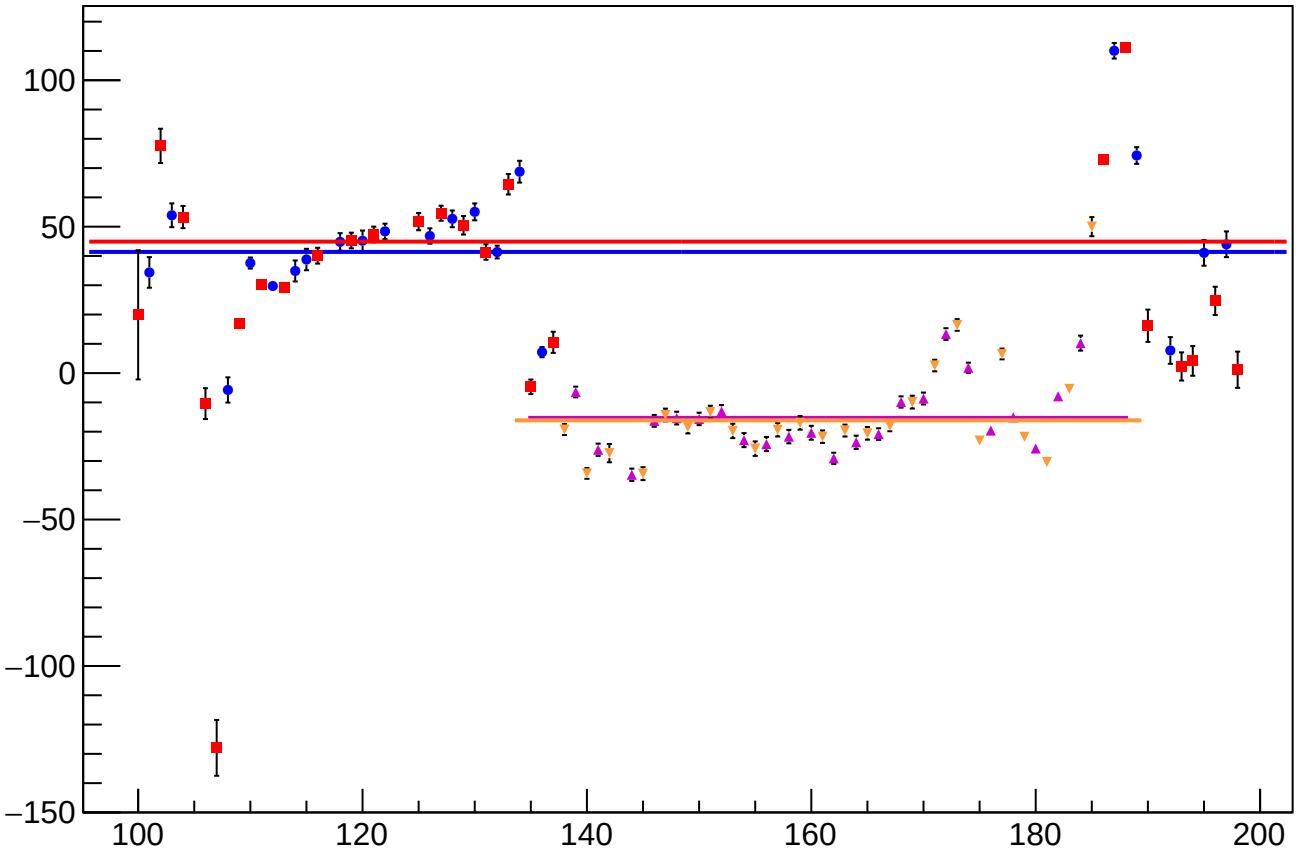
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -8.651+/-0.020 χ^2/NDF: 823356.4/45

In: 3.303+/-0.012 χ^2/NDF:1520109.1/43

Out: 2.464+/-0.012 χ^2/NDF:1429686.2/48

All: 2.876+/-0.008 χ^2/NDF: 2952305.1/92



Right In: 41.378+/-0.605 χ^2/NDF: 1539.0/20

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 44.895+/-0.536 χ^2/NDF: 3943.4/24

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

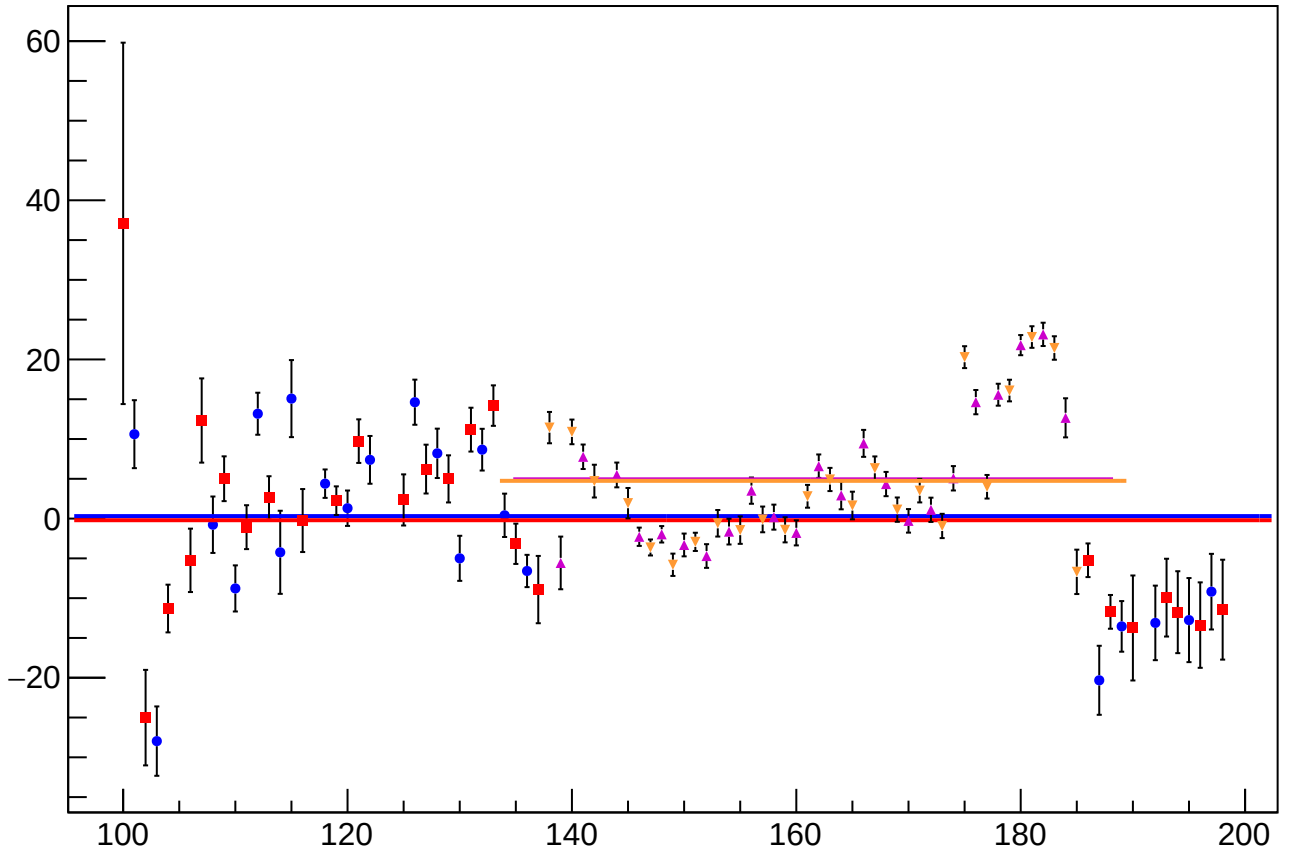
Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

Right: 43.346+/-0.401 χ^2/NDF: 5501.4/45

In: 2.154+/-0.335 χ^2/NDF:8382.4/43

Out: 5.531+/-0.320 χ^2/NDF:13658.5/48

All: 3.924+/-0.231 χ^2/NDF: 22094.0/92



Right In: 0.313+/-0.658 χ^2/NDF: 219.7/20

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

Right Out: -0.204+/-0.625 χ^2/NDF: 180.7/24

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

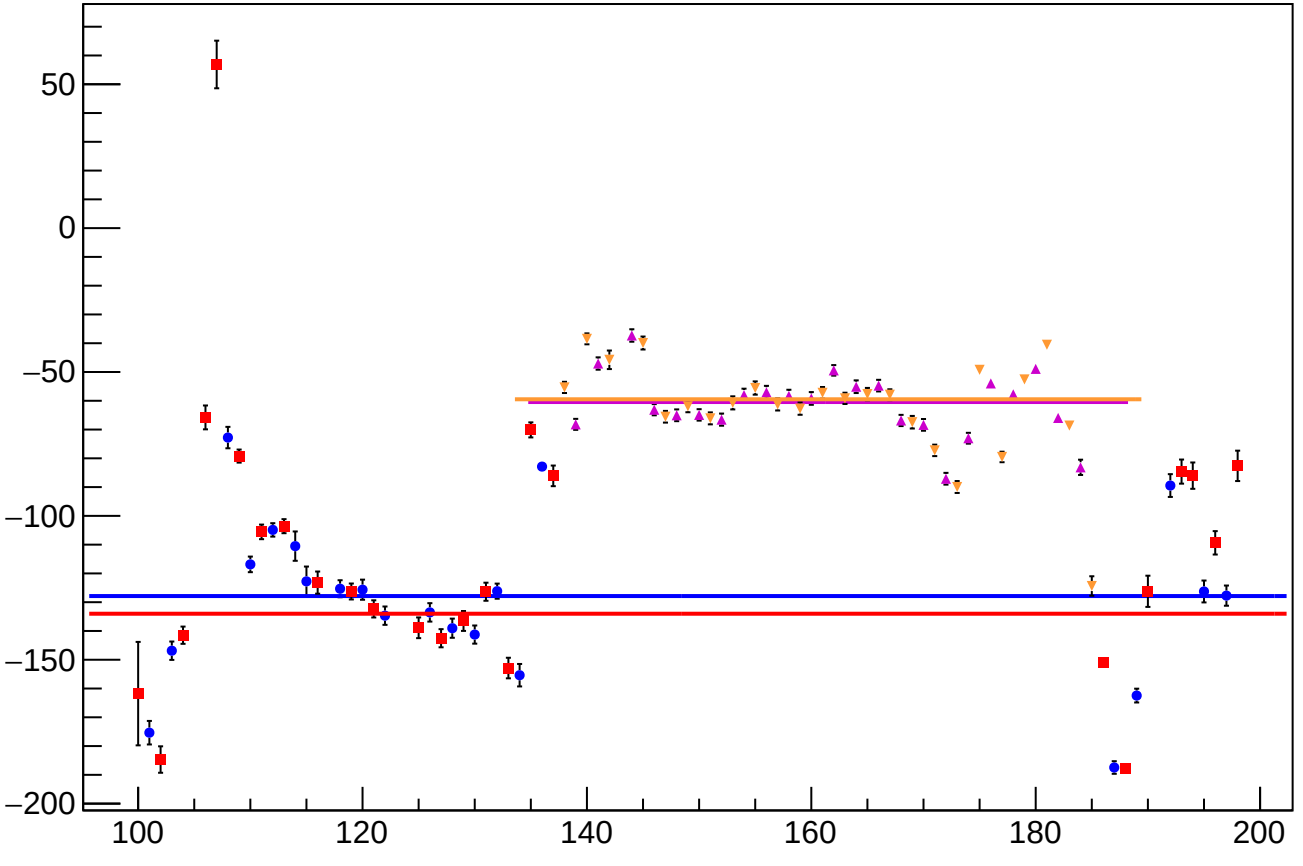
Right: 0.041+/-0.453 χ^2/NDF: 400.8/45

In: 4.082+/-0.283 χ^2/NDF:948.3/43

Out: 3.784+/-0.275 χ^2/NDF:1025.1/48

All: 3.929+/-0.197 χ^2/NDF: 1974.0/92

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -127.866+/-0.653 χ^2/NDF: 2306.2/20

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

Right Out: -134.007+/-0.562 χ^2/NDF: 5109.3/24

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

Left: -59.952+/-0.281 χ^2/NDF: 2043.4/46

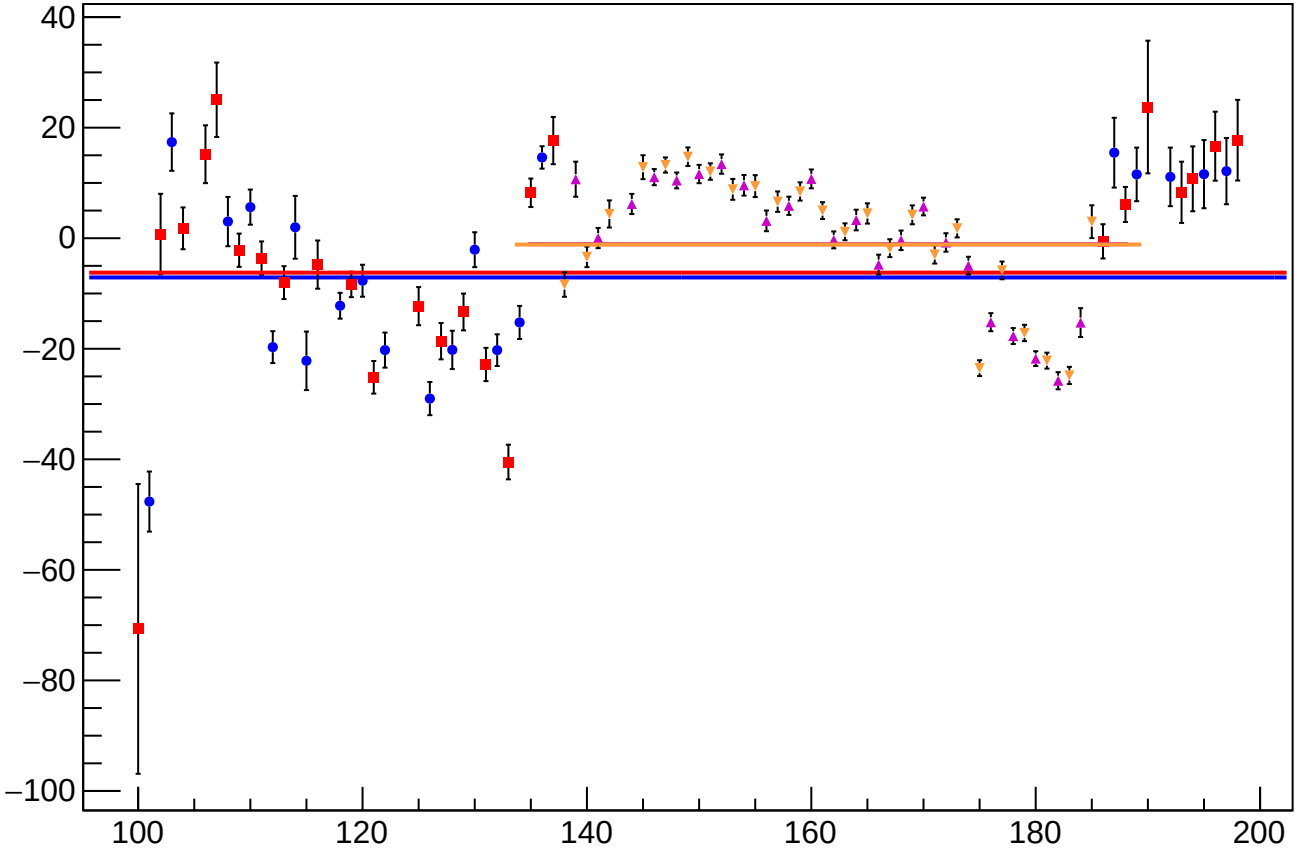
Right: -131.396+/-0.426 χ^2/NDF: 7466.3/45

In: -78.783+/-0.341 χ^2/NDF:10726.3/43

Out: -84.119+/-0.323 χ^2/NDF:18255.2/48

All: -81.594+/-0.234 χ^2/NDF: 29110.5/92

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -7.099+/-0.759 χ^2/NDF: 422.7/20

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

Right Out: -6.230+/-0.737 χ^2/NDF: 393.6/24

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

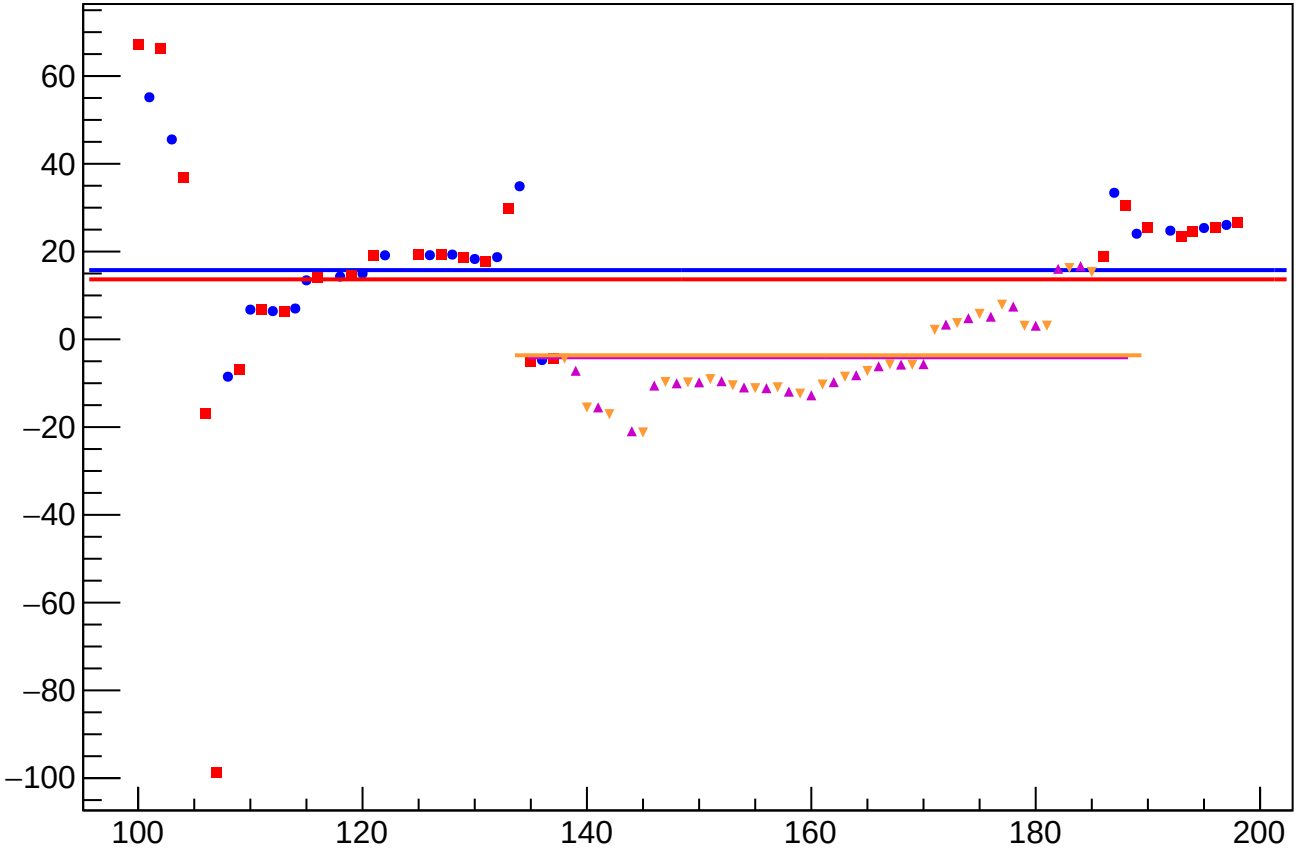
Right: -6.652+/-0.529 χ^2/NDF: 817.0/45

In: -2.147+/-0.319 χ^2/NDF:1631.9/43

Out: -2.060+/-0.313 χ^2/NDF:1735.6/48

All: -2.103+/-0.223 χ^2/NDF: 3367.5/92

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 15.775+/-0.041 χ^2/NDF: 198381.6/20

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 13.666+/-0.040 χ^2/NDF: 327640.9/24

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

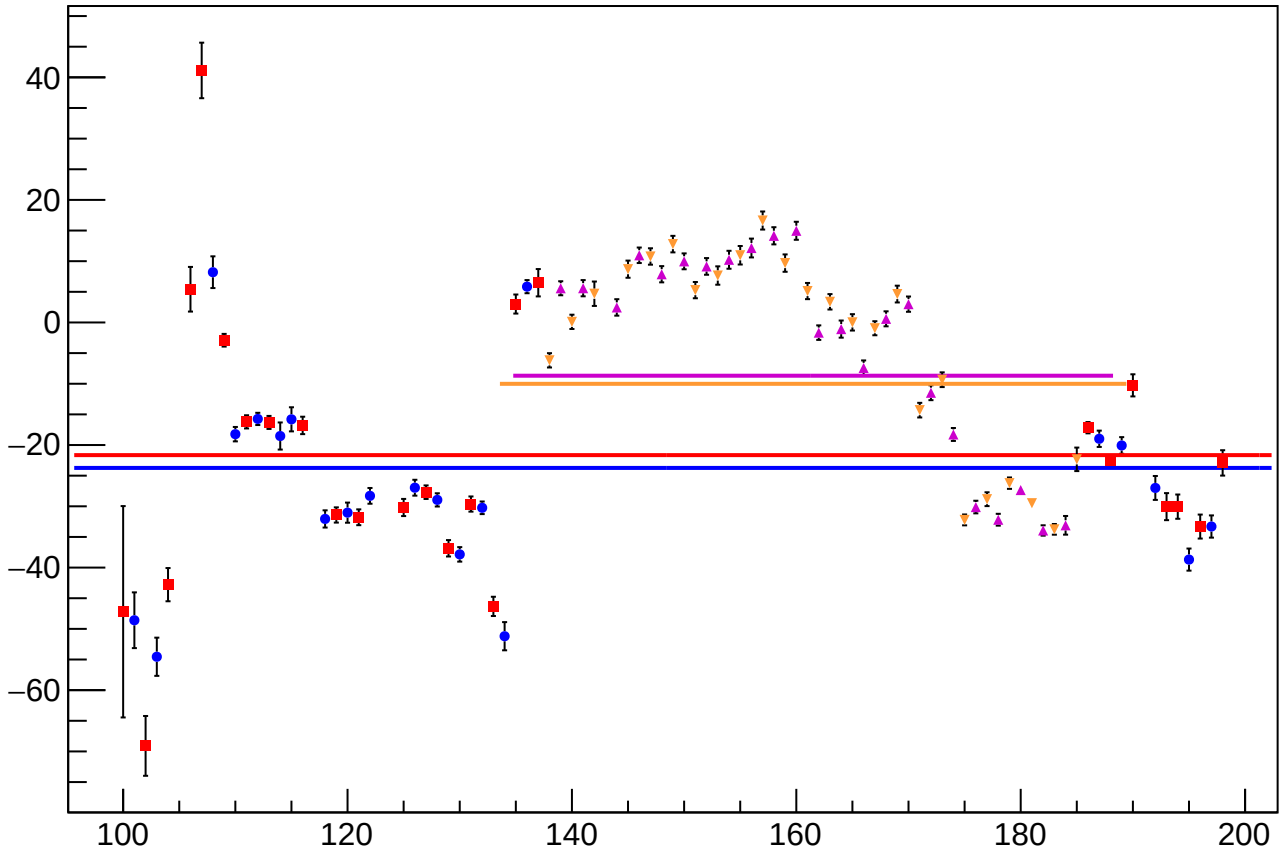
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 14.703+/-0.029 χ^2/NDF: 527390.0/45

In: -1.563+/-0.015 χ^2/NDF:739877.9/43

Out: -1.392+/-0.014 χ^2/NDF:836392.4/48

All: -1.477+/-0.010 χ^2/NDF: 1576340.6/92



Right In: -23.736+/-0.314 χ^2/NDF: 1689.1/20

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

Right Out: -21.647+/-0.284 χ^2/NDF: 1946.7/24

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

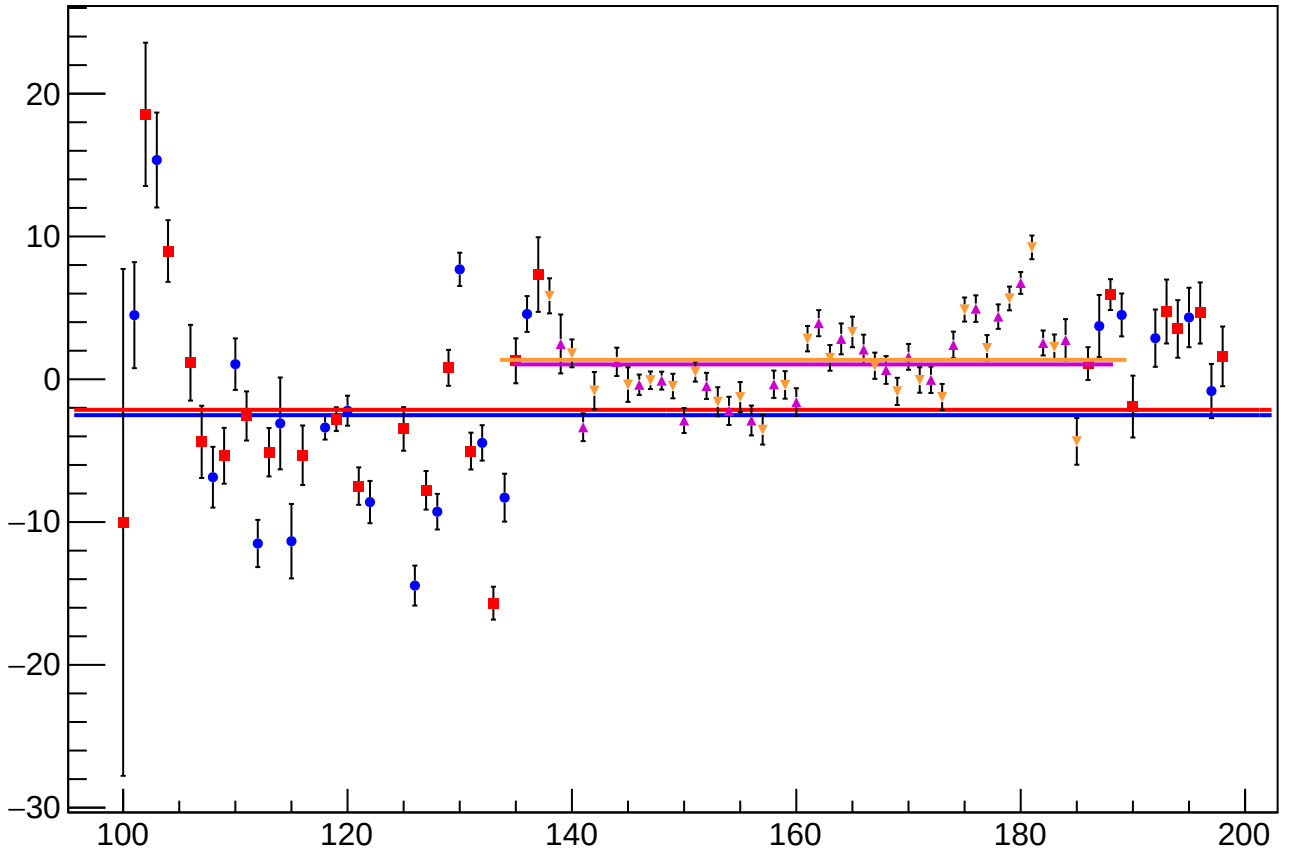
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -22.585+/-0.211 χ^2/NDF: 3660.1/45

In: -14.454+/-0.195 χ^2/NDF:8124.8/43

Out: -14.965+/-0.185 χ^2/NDF:7889.2/48

All: -14.722+/-0.134 χ^2/NDF: 16017.6/92



Right In: -2.514+/-0.333 χ^2/NDF: 373.6/20

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

Right Out: -2.139+/-0.316 χ^2/NDF: 350.6/24

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

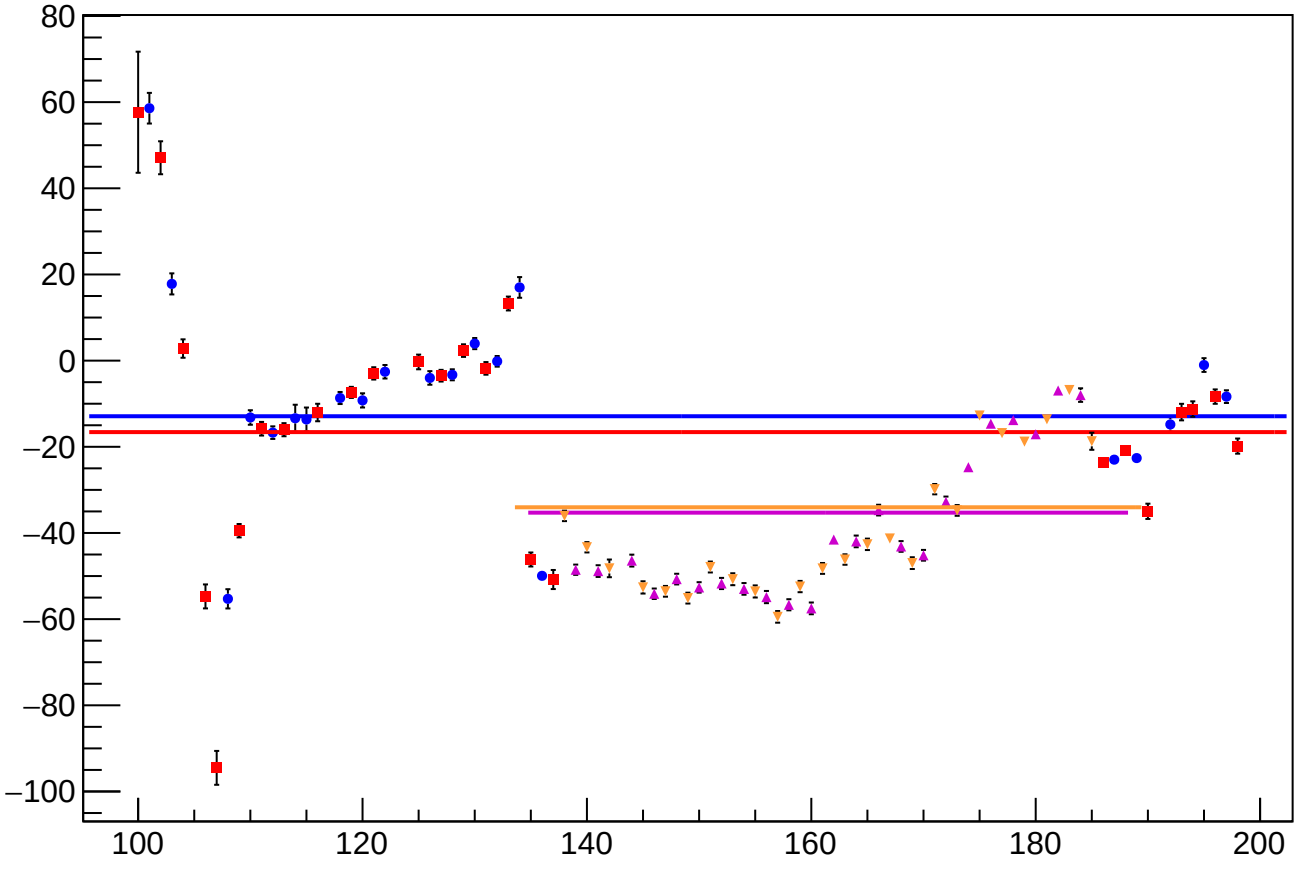
Right: -2.317+/-0.229 χ^2/NDF: 724.9/45

In: 0.151+/-0.167 χ^2/NDF:655.1/43

Out: 0.445+/-0.162 χ^2/NDF:681.3/48

All: 0.302+/-0.116 χ^2/NDF: 1338.0/92

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -12.907+/-0.336 χ^2/NDF: 2896.4/20

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -16.588+/-0.290 χ^2/NDF: 2991.0/24

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

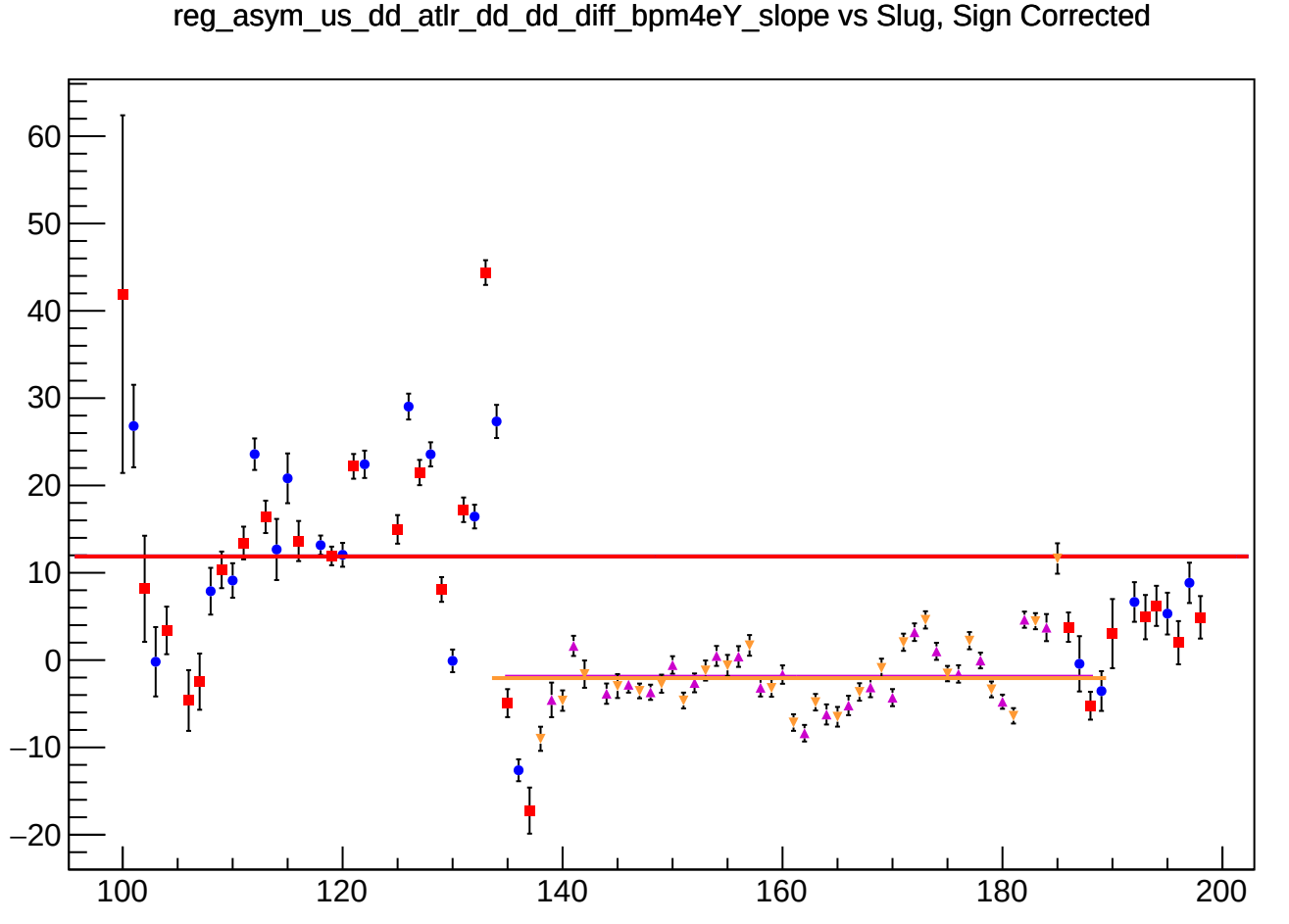
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

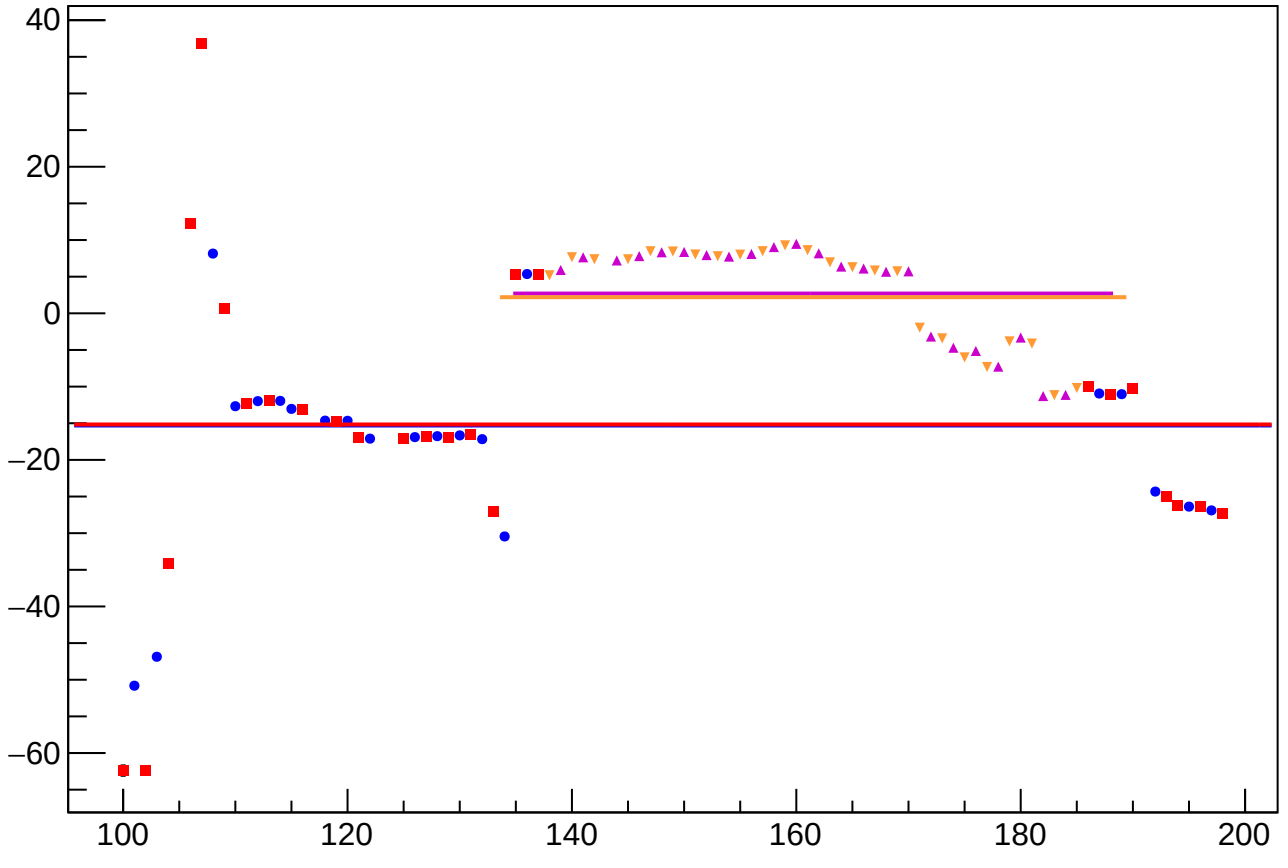
Right: -15.016+/-0.220 χ^2/NDF: 5956.0/45

In: -27.507+/-0.198 χ^2/NDF:10784.2/43

Out: -26.865+/-0.186 χ^2/NDF:10083.9/48

All: -27.166+/-0.136 χ^2/NDF: 20873.6/92


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: 11.874+/-0.387 χ²/NDF: 947.1/20
Left Out: -2.062+/-0.212 χ²/NDF:332.4/23
Right Out: 11.870+/-0.376 χ²/NDF: 1124.5/24
Left In: -1.905+/-0.216 χ²/NDF:222.1/22
Left: -1.985+/-0.151 χ²/NDF: 554.7/46
Right: 11.872+/-0.270 χ²/NDF: 2071.6/45
In: 1.367+/-0.189 χ²/NDF:2134.0/43
Out: 1.310+/-0.185 χ²/NDF:2499.8/48
All: 1.338+/-0.132 χ²/NDF: 4633.8/92



Right In: -15.304+/-0.022 χ^2/NDF: 446772.8/20

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -15.169+/-0.021 χ^2/NDF: 528954.3/24

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

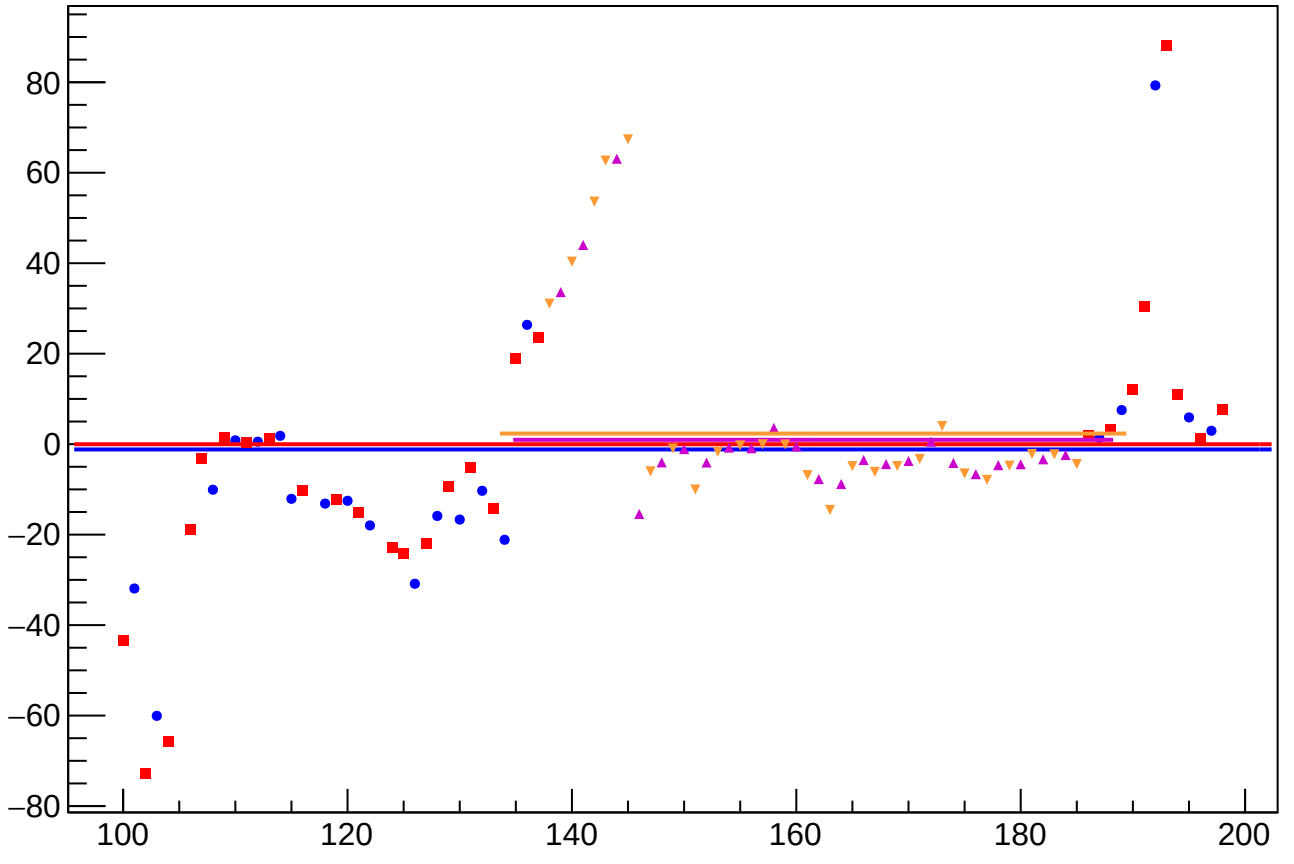
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -15.233+/-0.015 χ^2/NDF: 975747.9/45

In: -0.268+/-0.009 χ^2/NDF:1529803.2/43

Out: -0.859+/-0.009 χ^2/NDF:1626351.0/48

All: -0.567+/-0.006 χ^2/NDF: 3158477.2/92



Right In: -1.171+/-0.047 χ^2/NDF: 112735.6/20

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: -0.019+/-0.039 χ^2/NDF: 115902.0/26

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

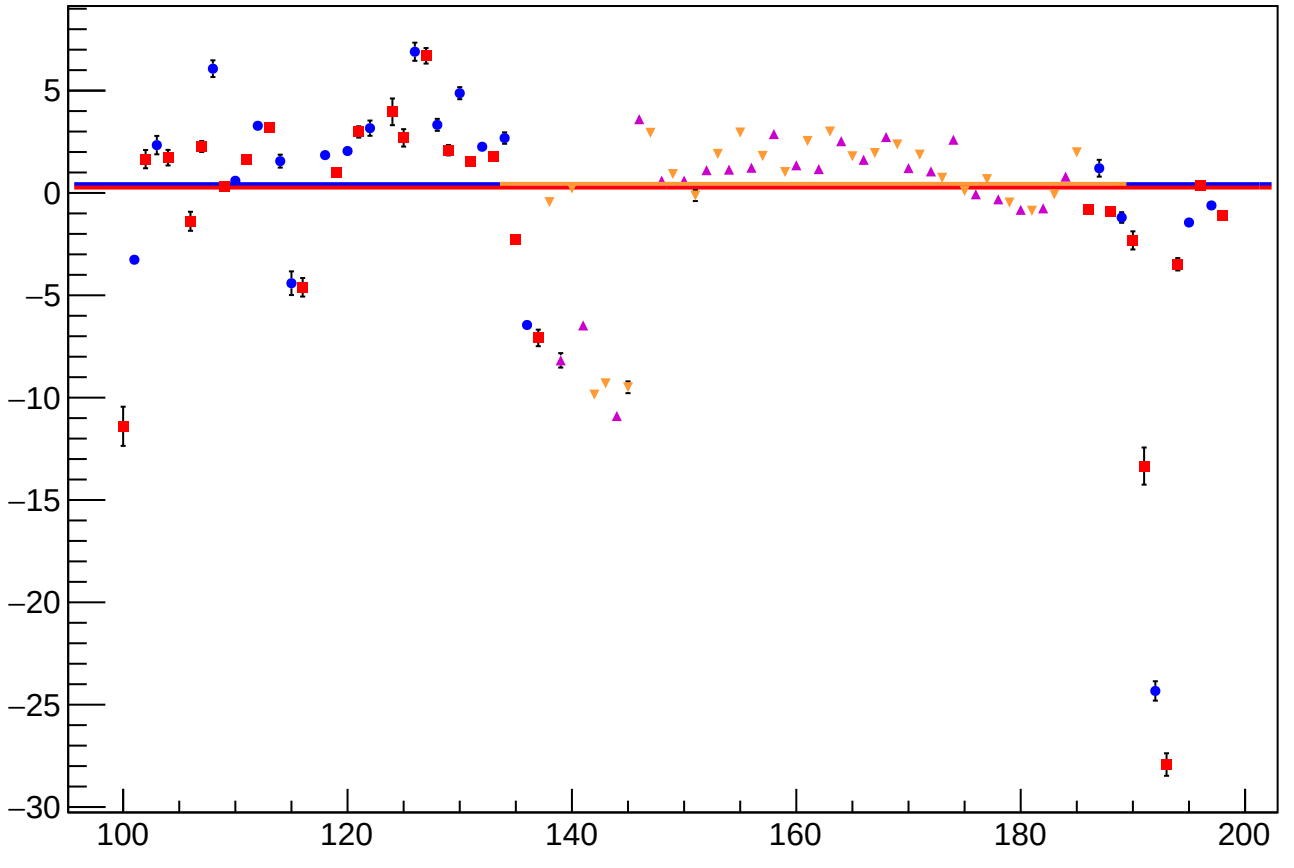
Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

Right: -0.484+/-0.030 χ^2/NDF: 228991.8/47

In: 0.070+/-0.030 χ^2/NDF:246438.9/43

Out: 1.120+/-0.028 χ^2/NDF:294666.8/51

All: 0.640+/-0.021 χ^2/NDF: 541748.8/95



Right In: 0.429+/-0.053 χ^2/NDF: 5656.9/20

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.264+/-0.048 χ^2/NDF: 4952.8/26

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

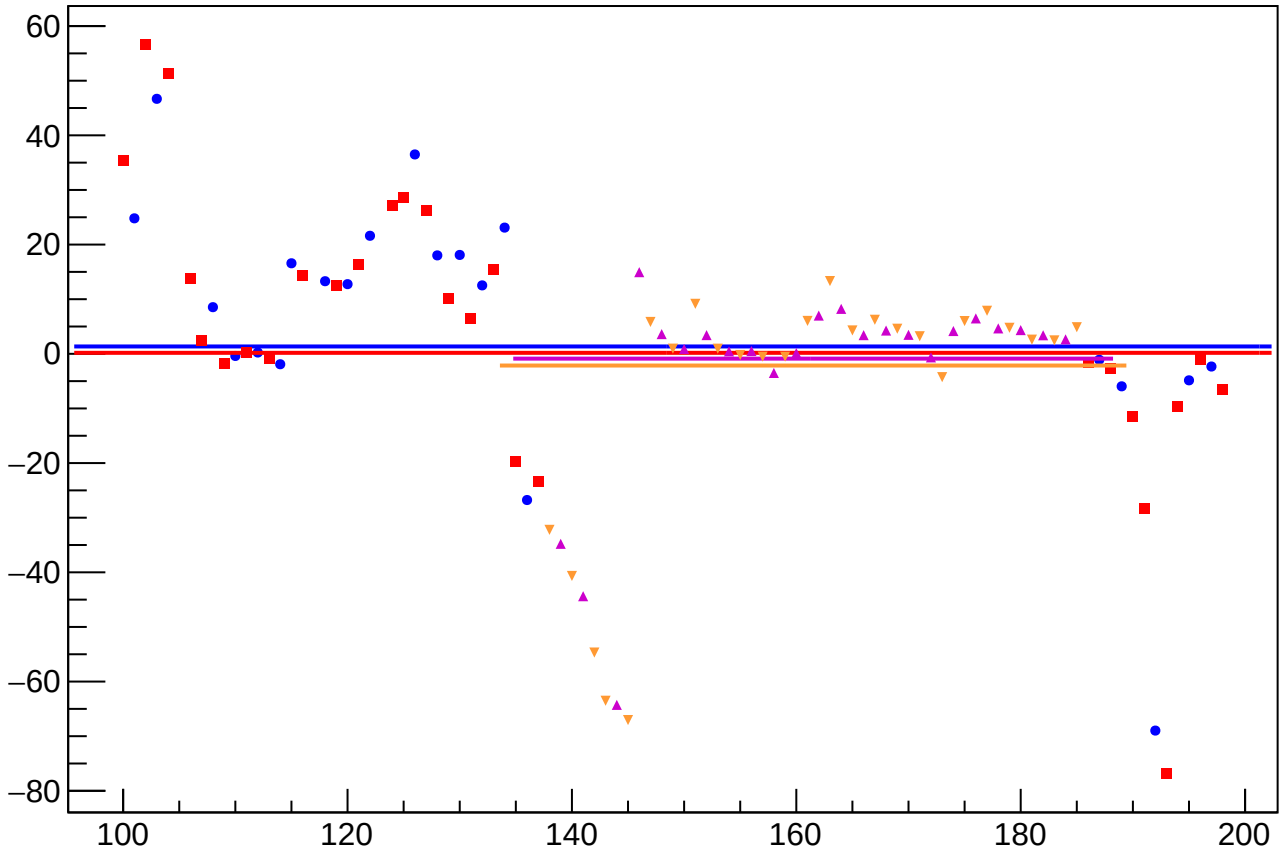
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.339+/-0.036 χ^2/NDF: 10615.0/47

In: 0.428+/-0.027 χ^2/NDF:12759.3/43

Out: 0.388+/-0.027 χ^2/NDF:12006.8/51

All: 0.408+/-0.019 χ^2/NDF: 24767.1/95



Right In: 1.348+/-0.050 χ^2/NDF: 111794.9/20

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: 0.182+/-0.042 χ^2/NDF: 114353.4/26

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

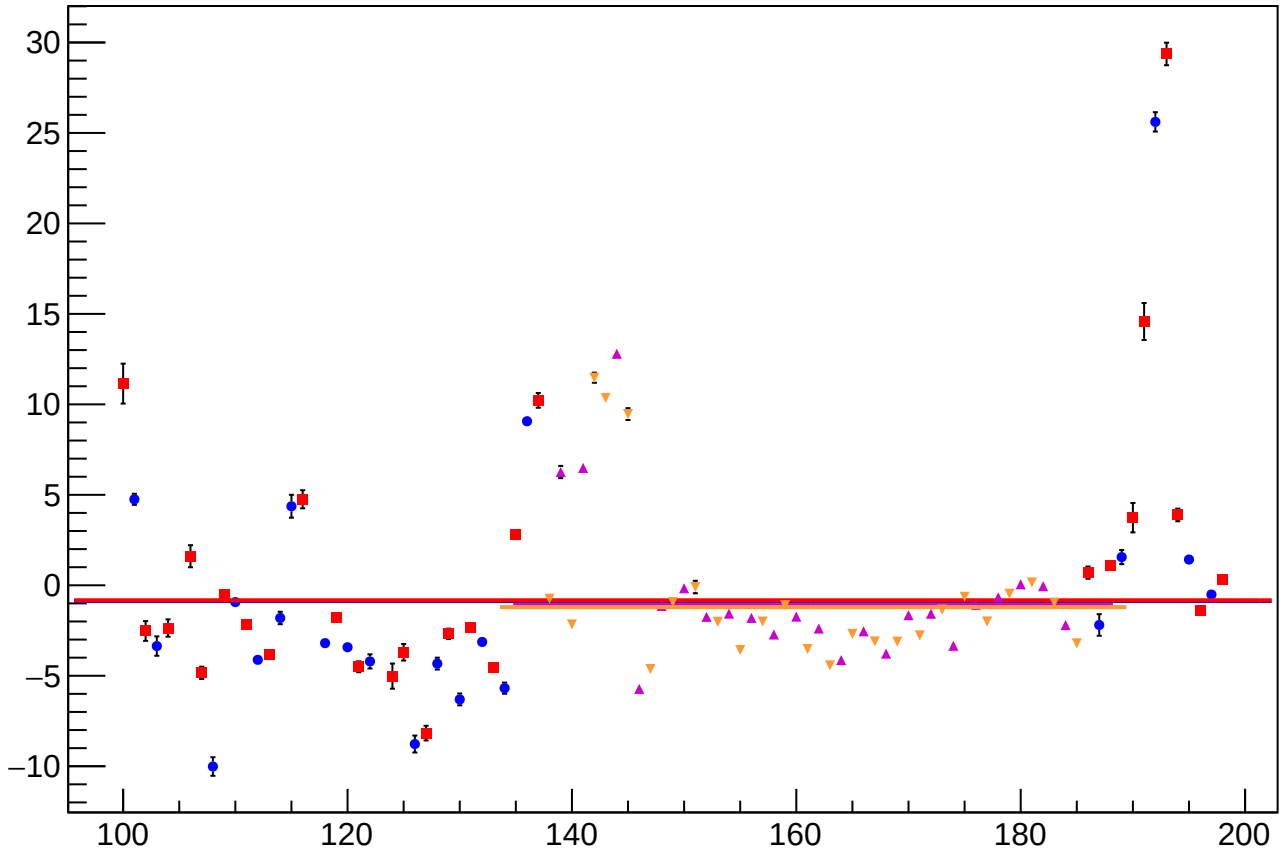
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: 0.664+/-0.032 χ^2/NDF: 226466.2/47

In: -0.031+/-0.031 χ^2/NDF:242217.7/43

Out: -1.030+/-0.029 χ^2/NDF:287221.1/51

All: -0.562+/-0.021 χ^2/NDF: 529993.5/95



Right In: -0.869+/-0.062 χ^2/NDF: 7236.5/20

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

Right Out: -0.827+/-0.056 χ^2/NDF: 5520.3/26

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

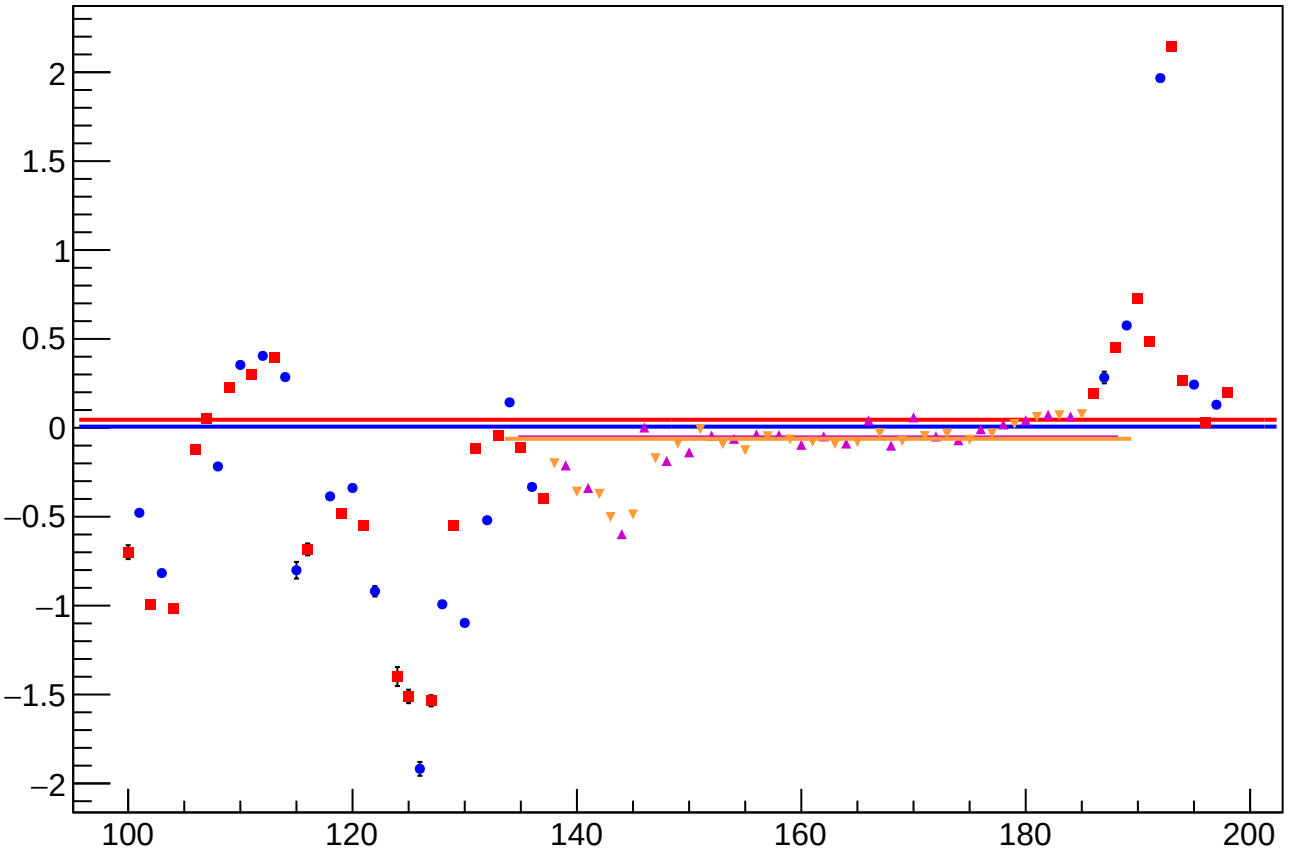
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -0.846+/-0.042 χ^2/NDF: 12757.0/47

In: -1.040+/-0.030 χ^2/NDF:14275.6/43

Out: -1.095+/-0.031 χ^2/NDF:12555.1/51

All: -1.067+/-0.022 χ^2/NDF: 26832.4/95



Right In: 0.007+/-0.003 χ^2/NDF: 32532.5/20

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.046+/-0.003 χ^2/NDF: 33240.1/26

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

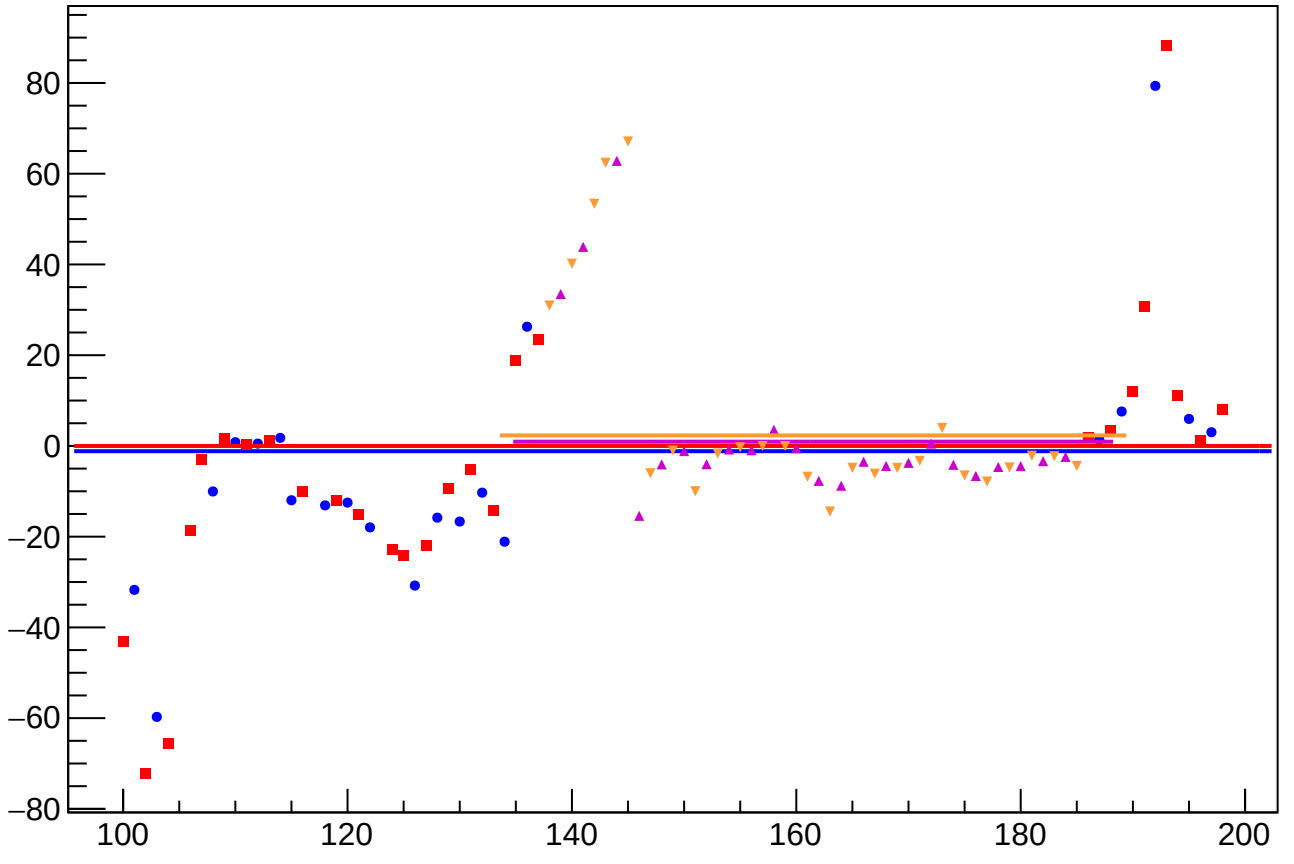
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: 0.028+/-0.002 χ^2/NDF: 65859.7/47

In: -0.042+/-0.001 χ^2/NDF:37873.5/43

Out: -0.036+/-0.001 χ^2/NDF:40062.7/51

All: -0.039+/-0.001 χ^2/NDF: 77948.5/95



Right In: -1.163+/-0.047 χ^2/NDF: 113100.4/20

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: -0.005+/-0.039 χ^2/NDF: 116364.0/26

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

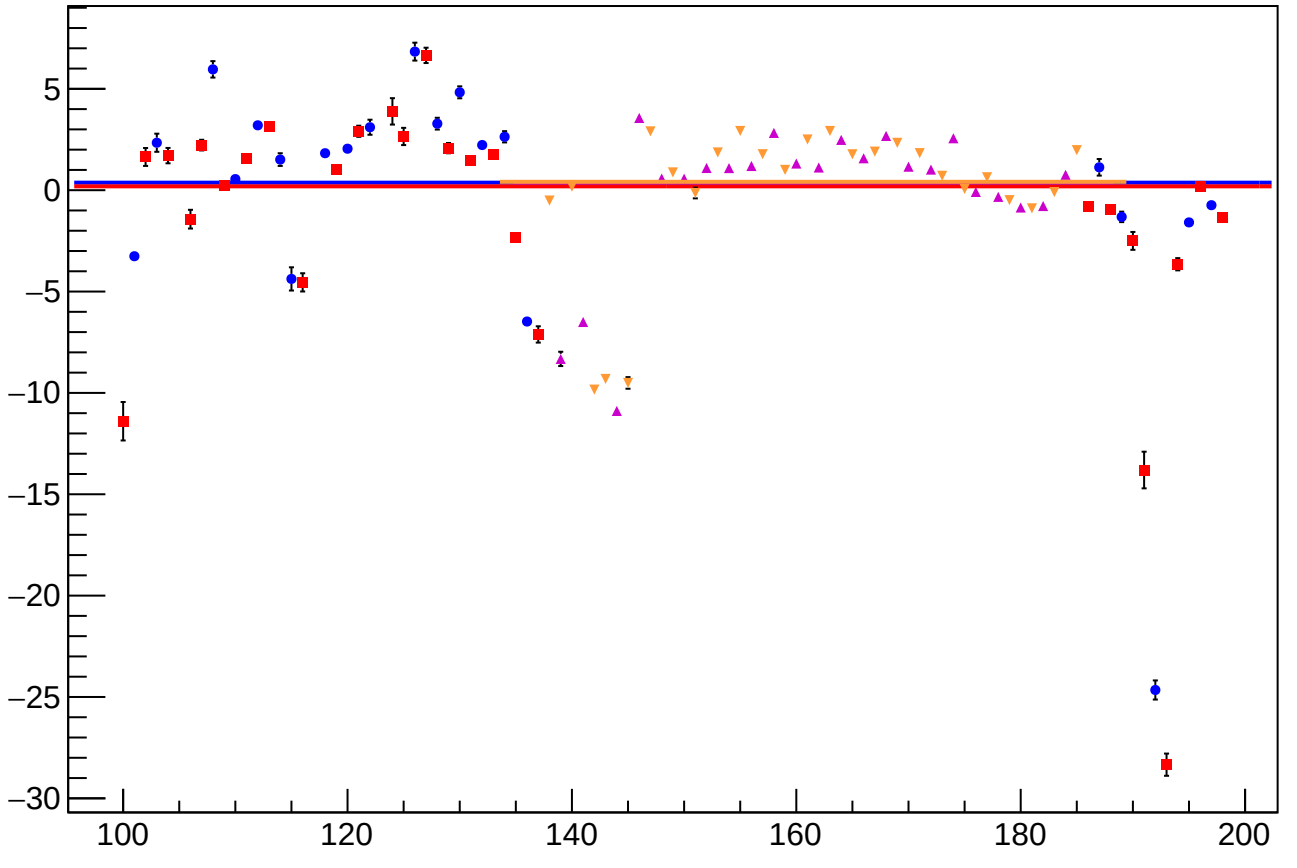
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: -0.472+/-0.030 χ^2/NDF: 229826.9/47

In: 0.058+/-0.030 χ^2/NDF:246666.6/43

Out: 1.111+/-0.028 χ^2/NDF:294850.8/51

All: 0.631+/-0.021 χ^2/NDF: 542171.5/95



Right In: 0.372+/-0.053 χ^2/NDF: 5767.1/20

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.190+/-0.048 χ^2/NDF: 5107.4/26

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

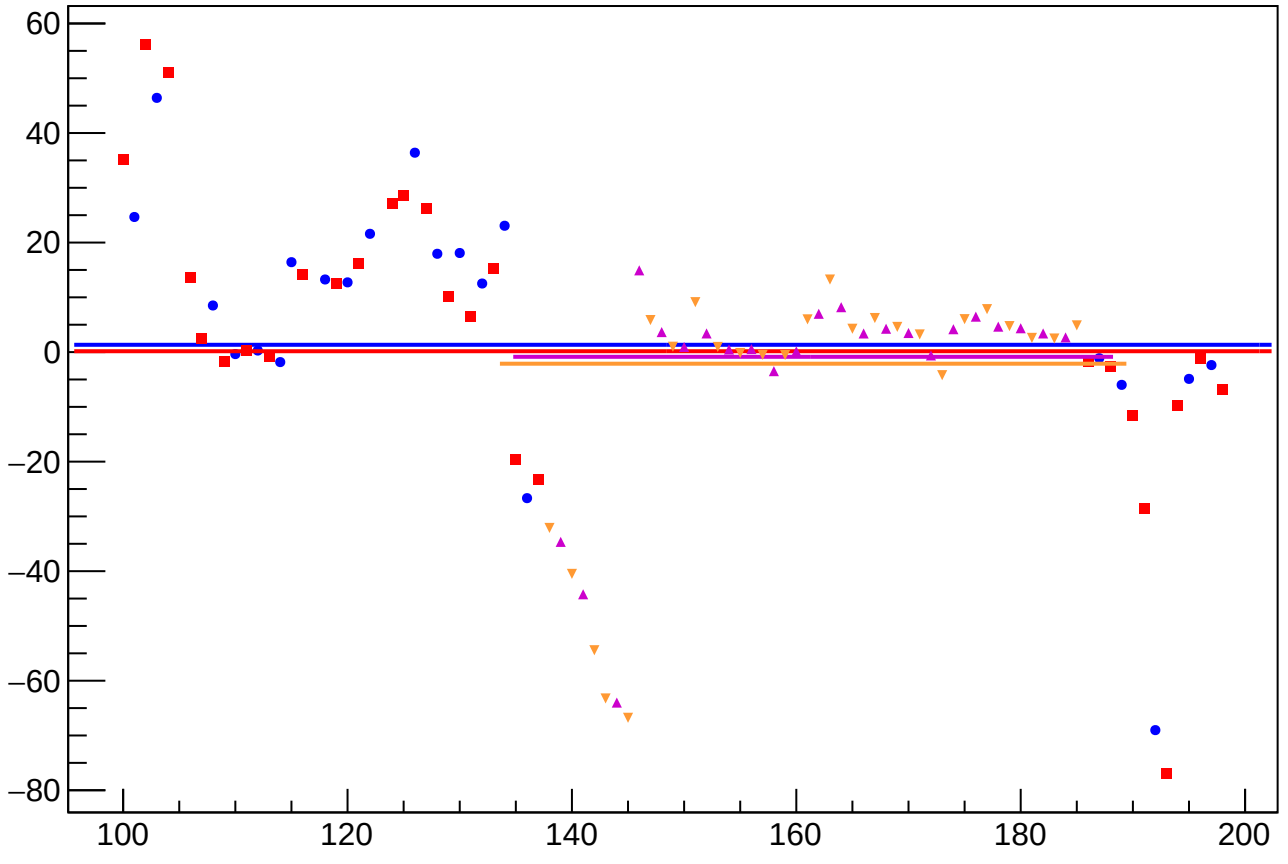
Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

Right: 0.272+/-0.035 χ^2/NDF: 10881.0/47

In: 0.385+/-0.027 χ^2/NDF:12881.3/43

Out: 0.343+/-0.027 χ^2/NDF:12169.5/51

All: 0.364+/-0.019 χ^2/NDF: 25052.0/95



Right In: 1.335+/-0.050 χ^2/NDF: 112150.9/20

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: 0.159+/-0.042 χ^2/NDF: 114811.8/26

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

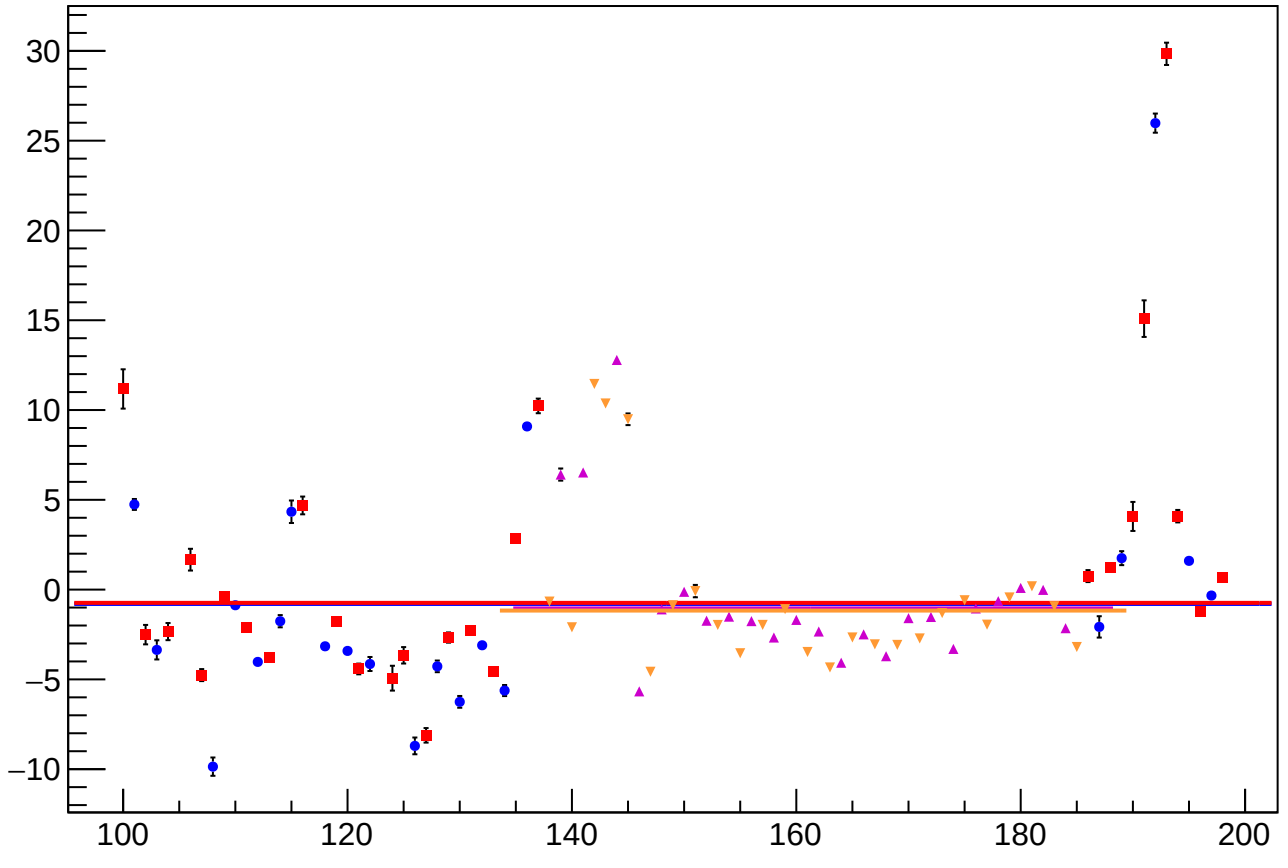
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: 0.643+/-0.032 χ^2/NDF: 227290.3/47

In: -0.019+/-0.031 χ^2/NDF:242431.9/43

Out: -1.025+/-0.029 χ^2/NDF:287401.0/51

All: -0.554+/-0.021 χ^2/NDF: 530398.8/95



Right In: -0.799+/-0.062 χ^2/NDF: 7335.1/20

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -0.738+/-0.056 χ^2/NDF: 5666.0/26

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

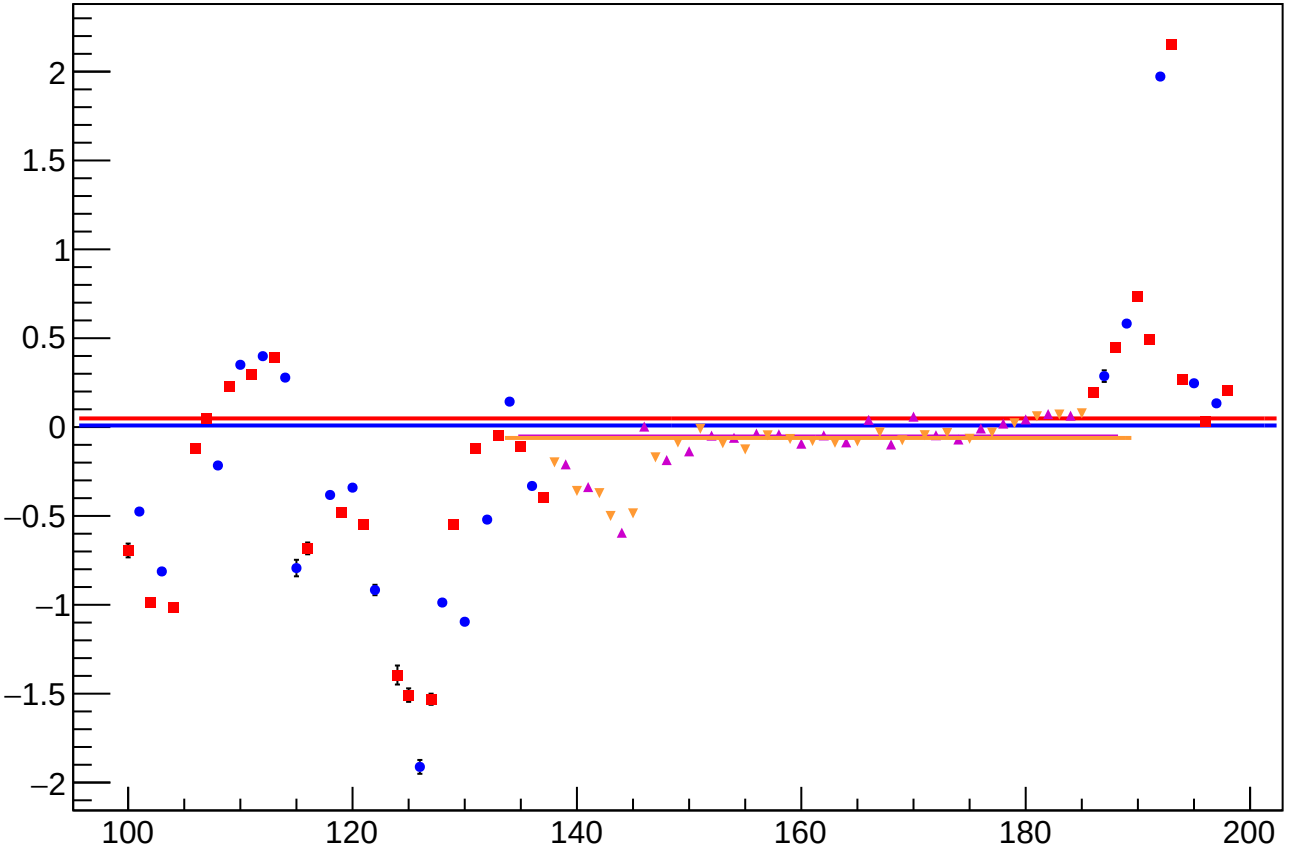
Right: -0.766+/-0.042 χ^2/NDF: 13001.6/47

In: -0.988+/-0.030 χ^2/NDF:14388.2/43

Out: -1.042+/-0.030 χ^2/NDF:12708.6/51

All: -1.015+/-0.021 χ^2/NDF: 27098.4/95

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.009+/-0.003 χ^2/NDF: 32789.5/20

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.049+/-0.003 χ^2/NDF: 33545.2/26

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

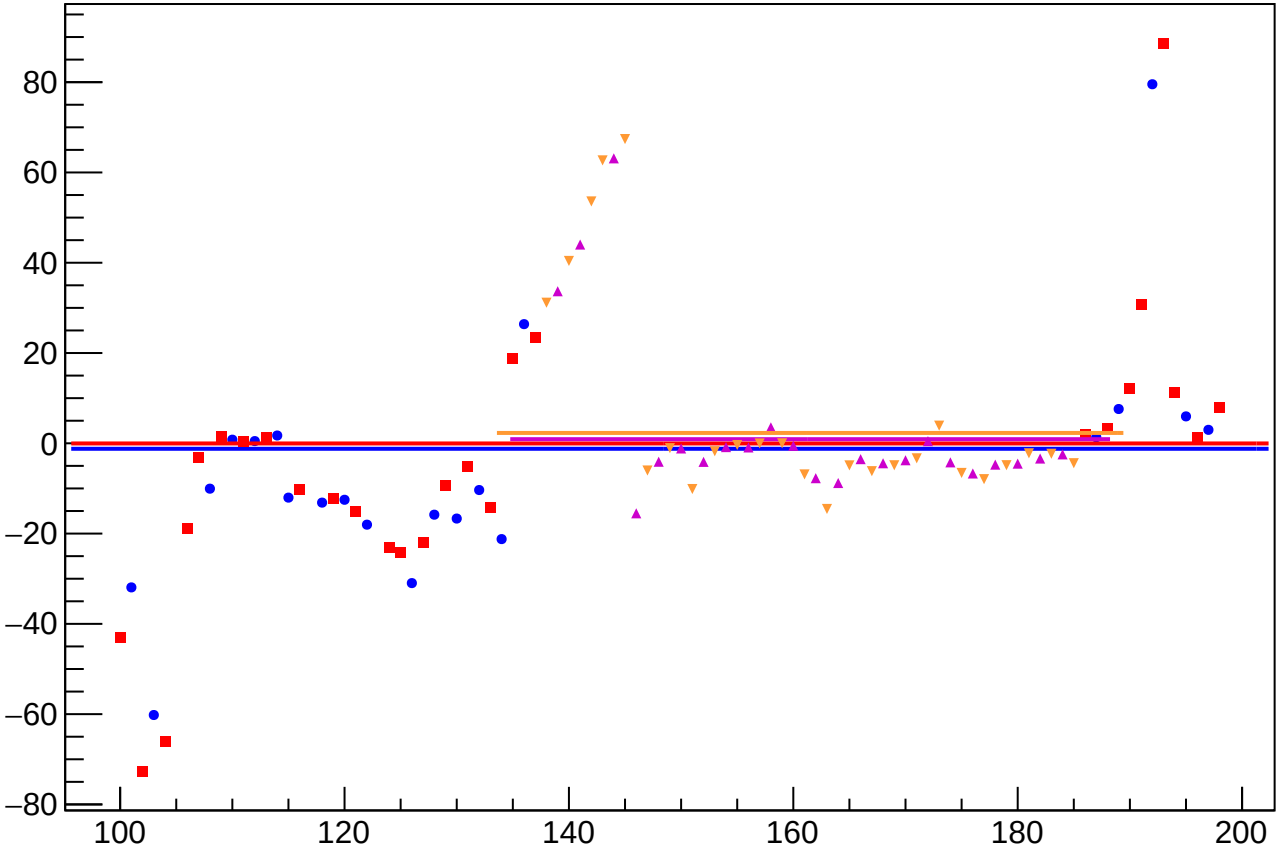
Right: 0.031+/-0.002 χ^2/NDF: 66426.3/47

In: -0.041+/-0.001 χ^2/NDF:38124.1/43

Out: -0.034+/-0.001 χ^2/NDF:40449.1/51

All: -0.038+/-0.001 χ^2/NDF: 78585.8/95

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.213+/-0.047 χ^2/NDF: 113084.3/20

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: -0.033+/-0.039 χ^2/NDF: 116379.4/26

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

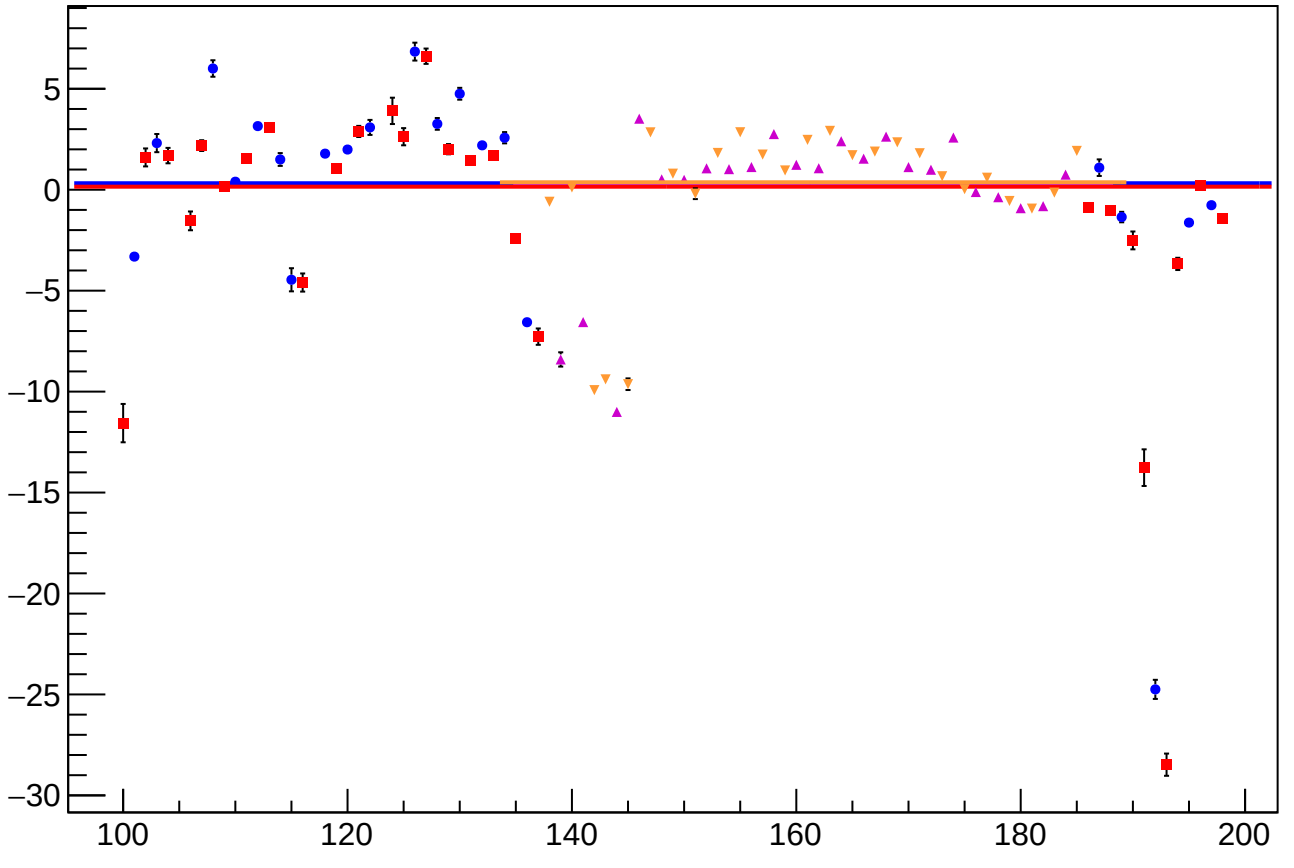
Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

Right: -0.509+/-0.030 χ^2/NDF: 229835.7/47

In: 0.026+/-0.031 χ^2/NDF:246837.1/43

Out: 1.088+/-0.028 χ^2/NDF:295298.4/51

All: 0.604+/-0.021 χ^2/NDF: 542793.1/95



Right In: 0.321+/-0.053 χ^2/NDF: 5757.9/20

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.150+/-0.048 χ^2/NDF: 5108.1/26

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

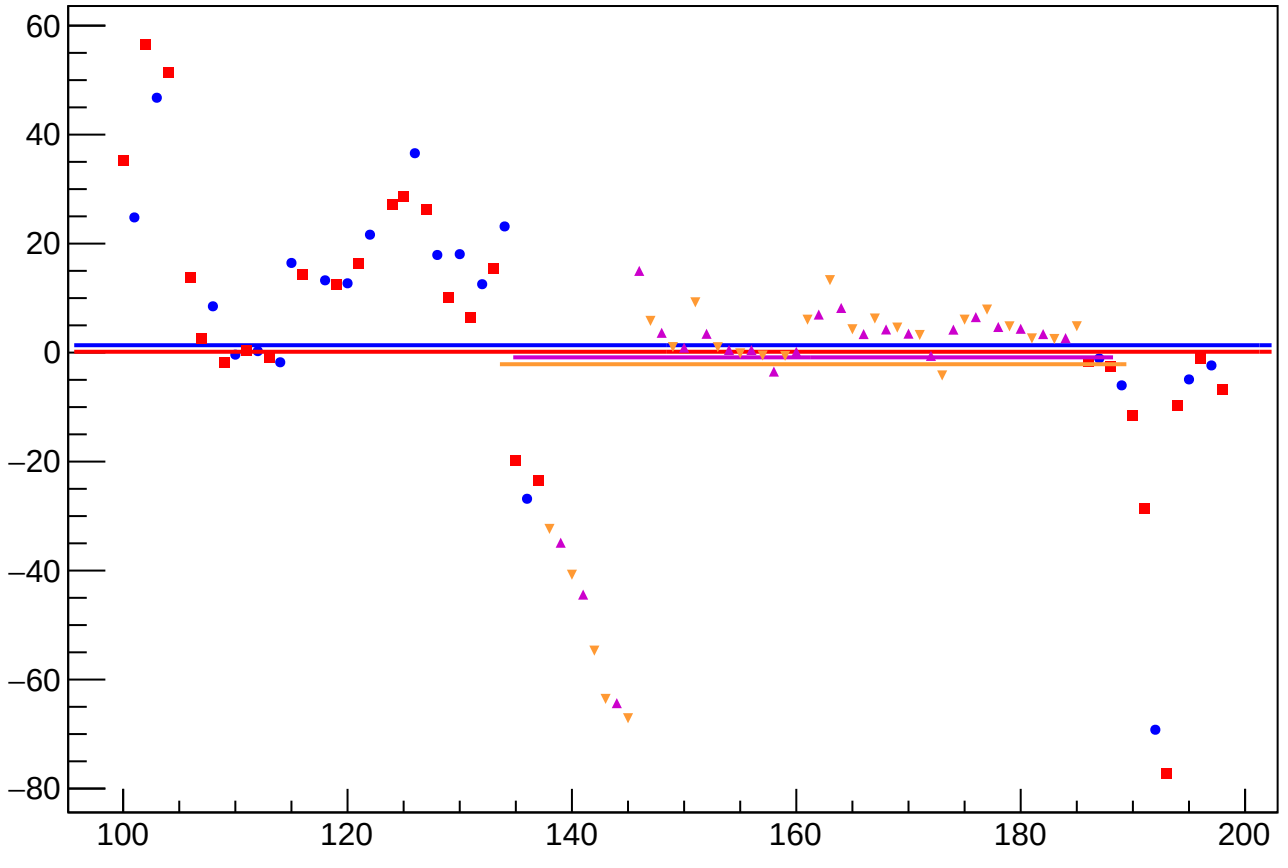
Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

Right: 0.228+/-0.036 χ^2/NDF: 10871.8/47

In: 0.333+/-0.027 χ^2/NDF:12852.3/43

Out: 0.298+/-0.027 χ^2/NDF:12190.0/51

All: 0.316+/-0.019 χ^2/NDF: 25043.1/95



Right In: 1.354+/-0.050 χ^2/NDF: 112148.6/20

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: 0.155+/-0.042 χ^2/NDF: 114851.5/26

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

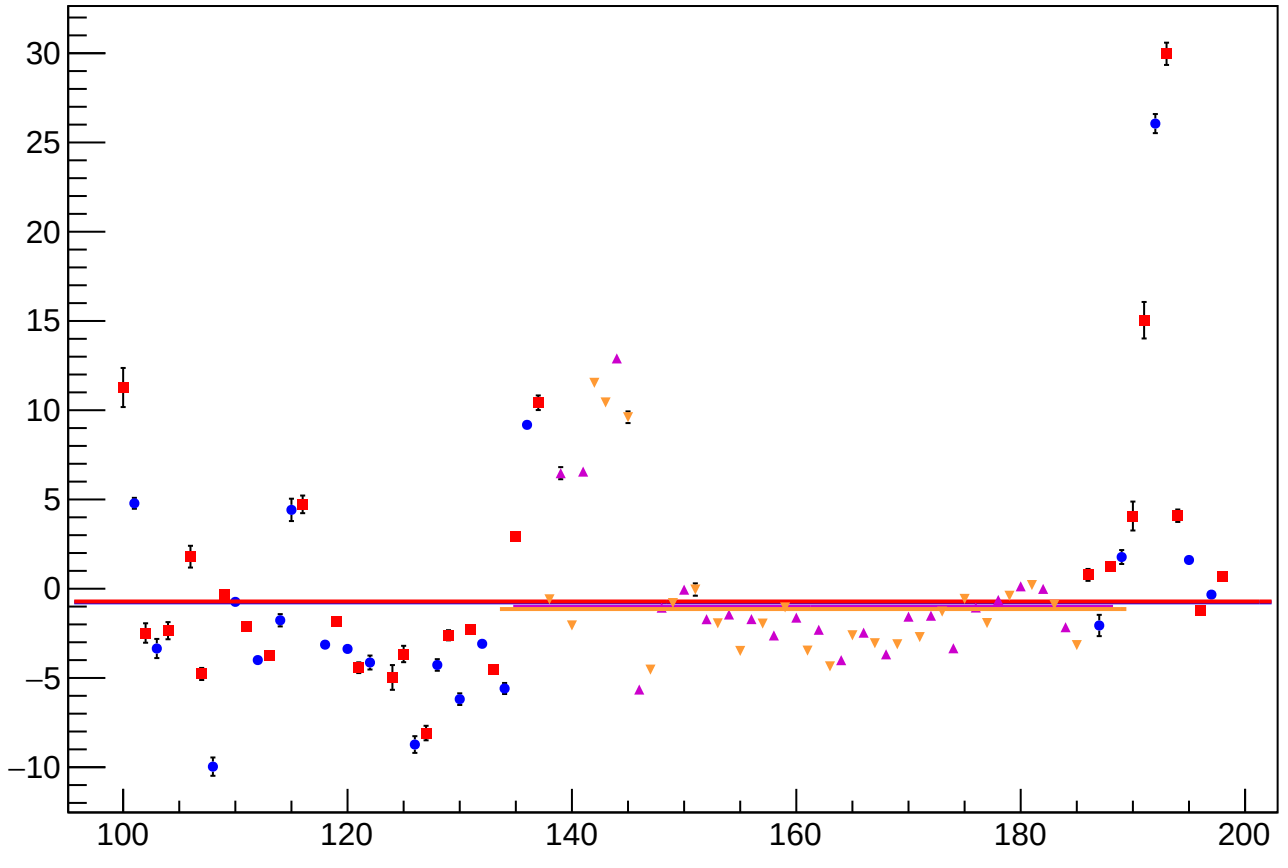
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

Right: 0.648+/-0.032 χ^2/NDF: 227337.2/47

In: -0.022+/-0.031 χ^2/NDF:242630.9/43

Out: -1.033+/-0.029 χ^2/NDF:287868.8/51

All: -0.560+/-0.021 χ^2/NDF: 531067.1/95



Right In: -0.763+/-0.062 χ^2/NDF: 7332.3/20

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.716+/-0.056 χ^2/NDF: 5677.8/26

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

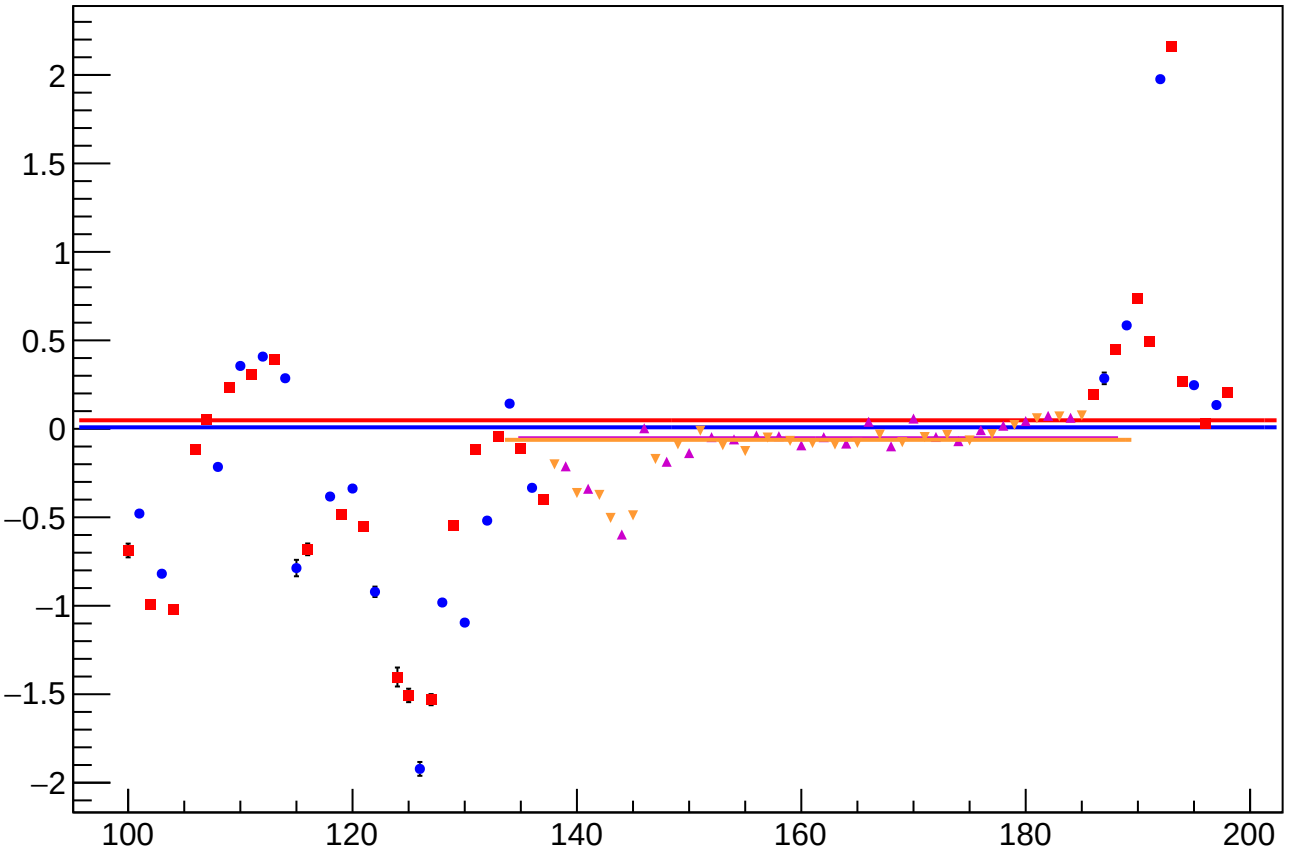
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -0.737+/-0.042 χ^2/NDF: 13010.5/47

In: -0.953+/-0.030 χ^2/NDF:14371.9/43

Out: -1.016+/-0.031 χ^2/NDF:12740.6/51

All: -0.984+/-0.022 χ^2/NDF: 27114.6/95



Right In: 0.009+/-0.003 χ^2/NDF: 32781.3/20

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.048+/-0.003 χ^2/NDF: 33502.7/26

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

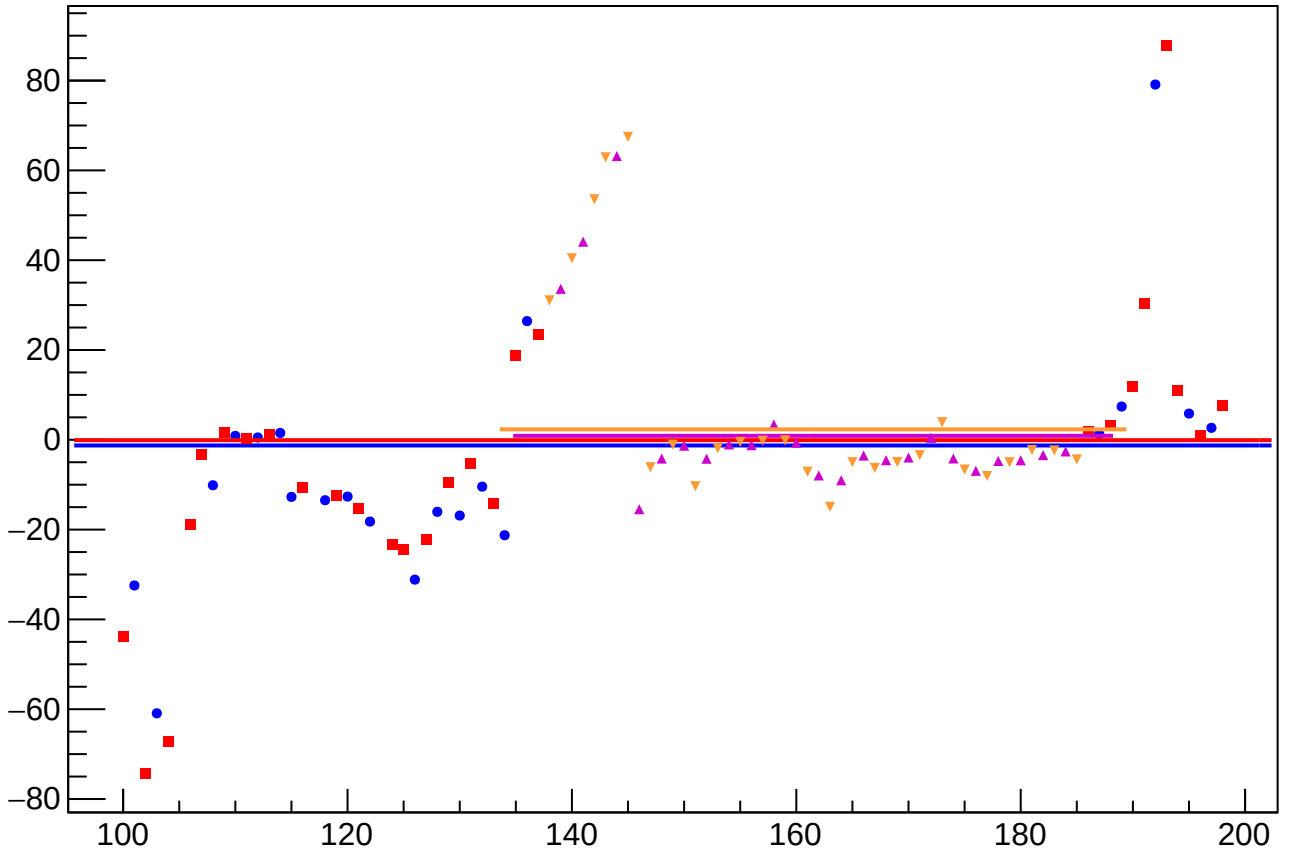
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: 0.030+/-0.002 χ^2/NDF: 66373.9/47

In: -0.042+/-0.001 χ^2/NDF:38099.7/43

Out: -0.035+/-0.001 χ^2/NDF:40413.3/51

All: -0.039+/-0.001 χ^2/NDF: 78523.4/95



Right In: -1.264+/-0.048 χ^2/NDF: 111339.2/20

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: -0.083+/-0.040 χ^2/NDF: 114704.3/26

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

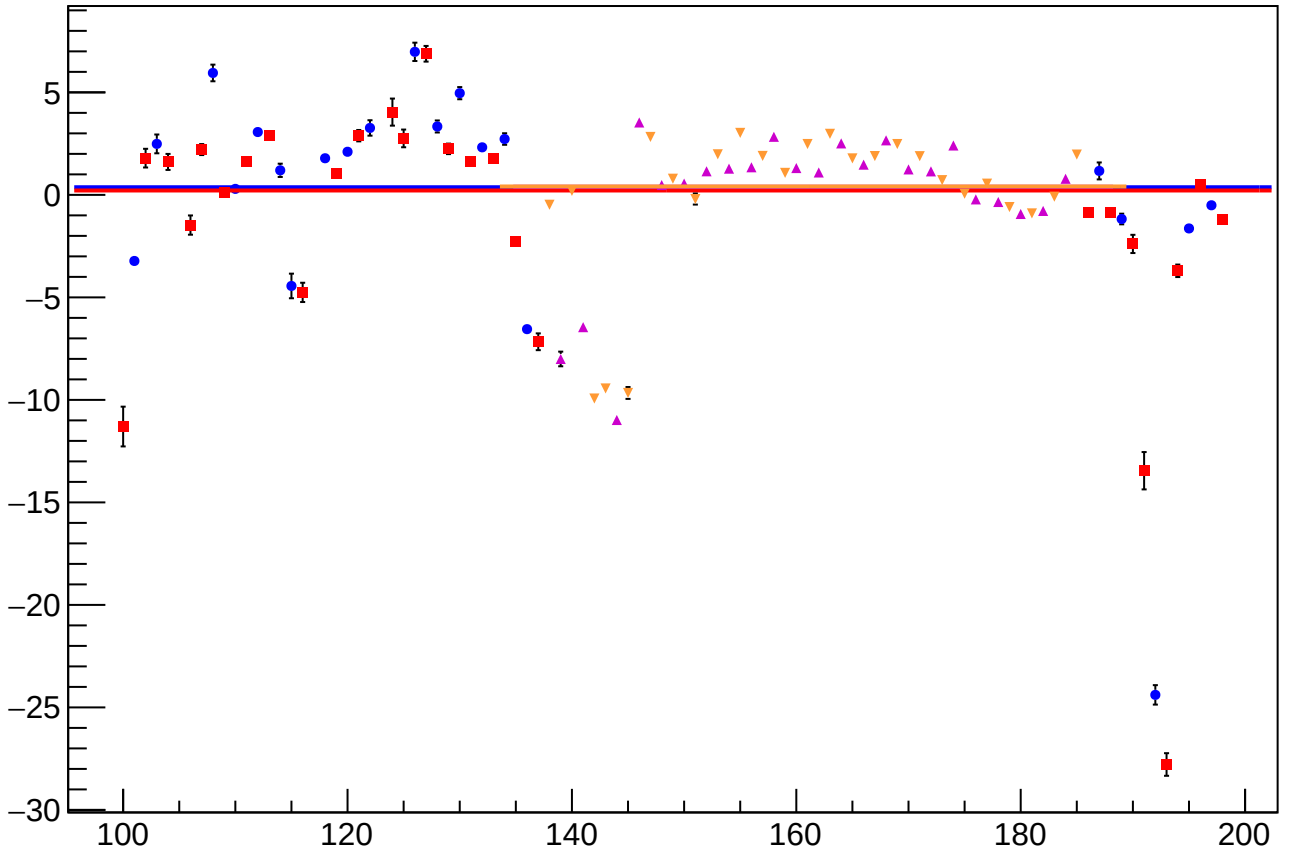
Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

Right: -0.560+/-0.031 χ^2/NDF: 226404.3/47

In: -0.014+/-0.031 χ^2/NDF:242923.1/43

Out: 1.076+/-0.028 χ^2/NDF:291143.2/51

All: 0.578+/-0.021 χ^2/NDF: 534734.9/95



Right In: 0.372+/-0.054 χ^2/NDF: 5602.4/20

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.214+/-0.049 χ^2/NDF: 4881.2/26

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

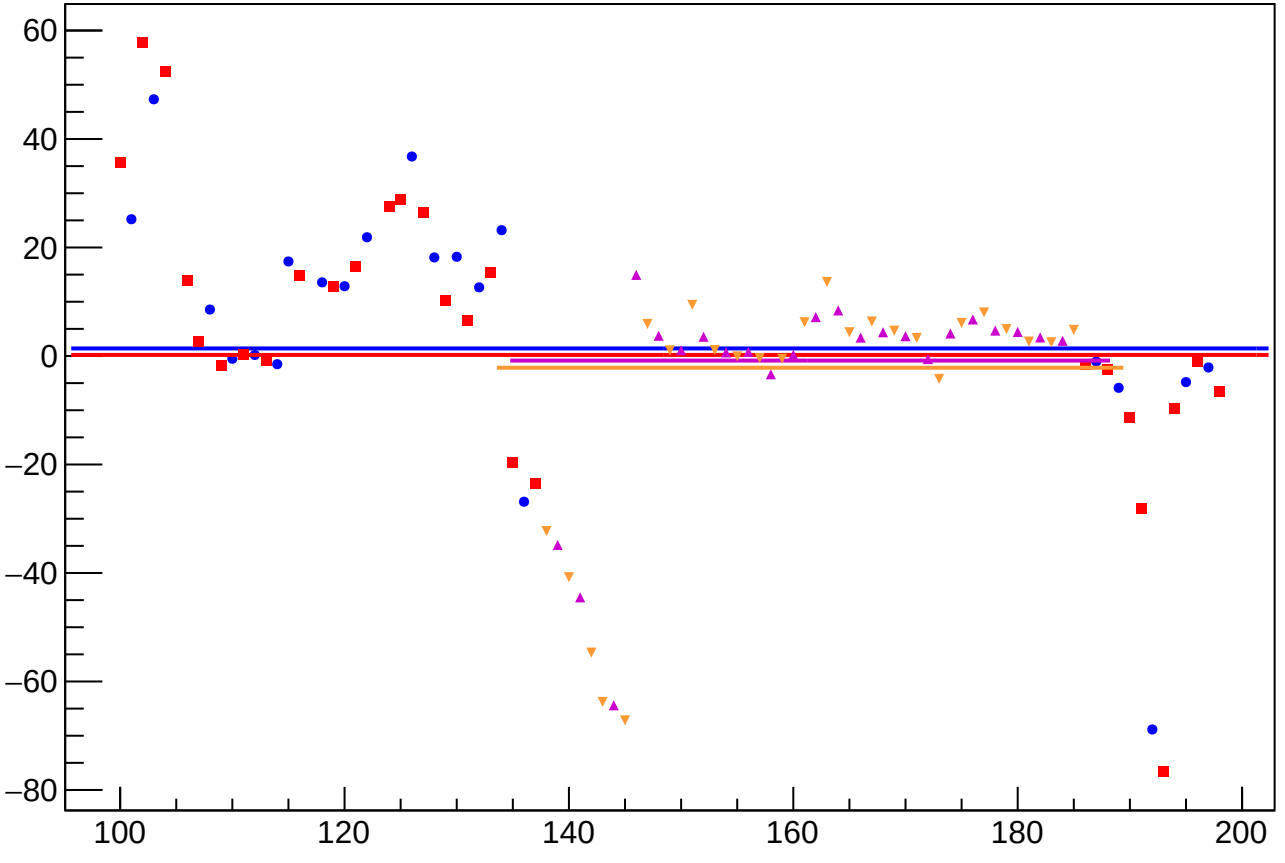
Right: 0.286+/-0.036 χ^2/NDF: 10488.3/47

In: 0.390+/-0.028 χ^2/NDF:12534.5/43

Out: 0.347+/-0.028 χ^2/NDF:11940.0/51

All: 0.369+/-0.019 χ^2/NDF: 24475.7/95

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.393+/-0.051 χ^2/NDF: 110442.9/20

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: 0.197+/-0.042 χ^2/NDF: 113188.8/26

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

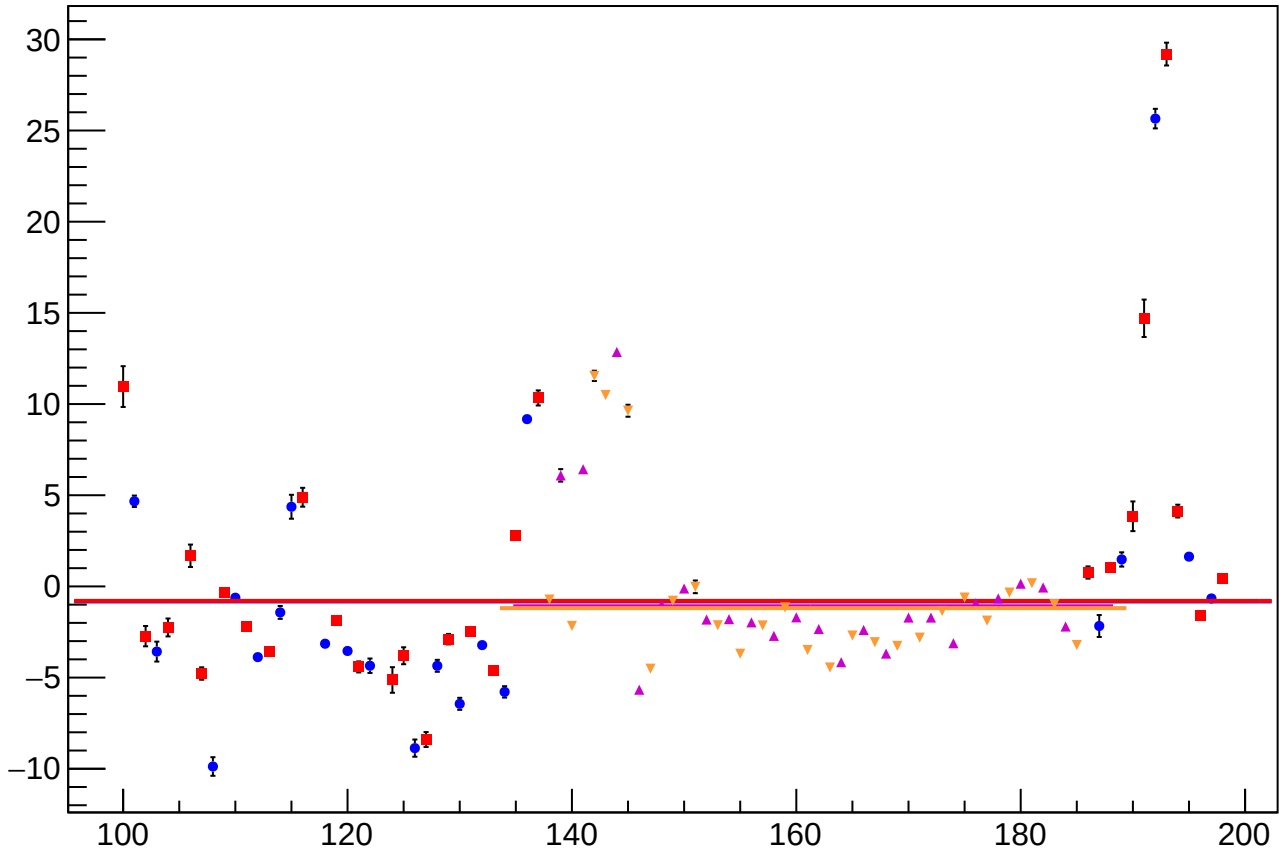
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

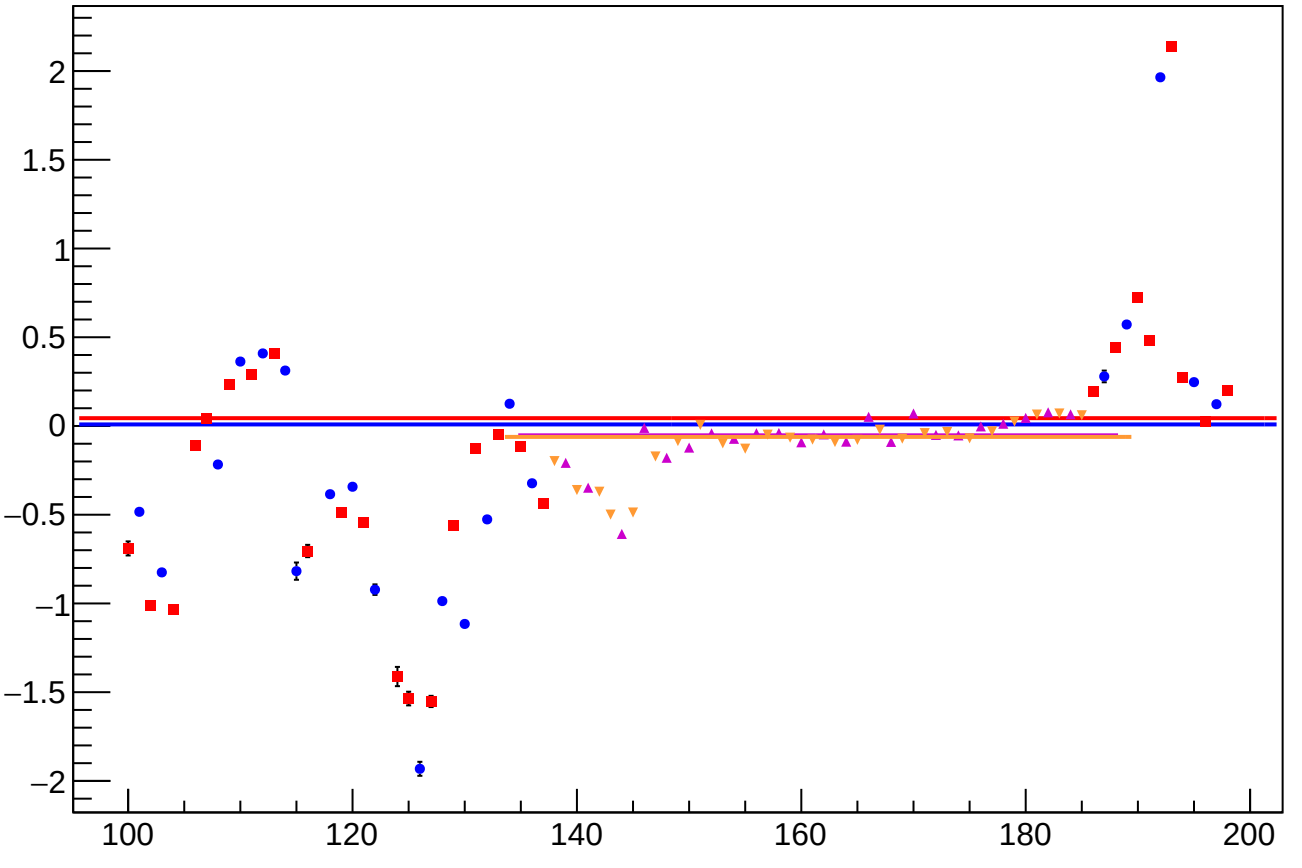
Right: 0.689+/-0.033 χ^2/NDF: 223958.6/47

In: 0.018+/-0.032 χ^2/NDF:238770.4/43

Out: -1.021+/-0.029 χ^2/NDF:283778.0/51

All: -0.536+/-0.022 χ^2/NDF: 523128.6/95


reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
−10
100
120
140
160
180
200
Right In: -0.823+/-0.063 χ²/NDF: 7174.9/20
Left Out: -1.190+/-0.037 χ²/NDF:6995.9/24
Right Out: -0.795+/-0.057 χ²/NDF: 5458.1/26
Left In: -1.089+/-0.036 χ²/NDF:6840.8/22
Left: -1.138+/-0.026 χ²/NDF: 13840.6/47
Right: -0.808+/-0.042 χ²/NDF: 12633.1/47
In: -1.025+/-0.031 χ²/NDF:14029.2/43
Out: -1.074+/-0.031 χ²/NDF:12487.5/51
All: -1.050+/-0.022 χ²/NDF: 26518.0/95



Right In: 0.009+/-0.003 χ^2/NDF: 32082.6/20

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.044+/-0.003 χ^2/NDF: 33003.2/26

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

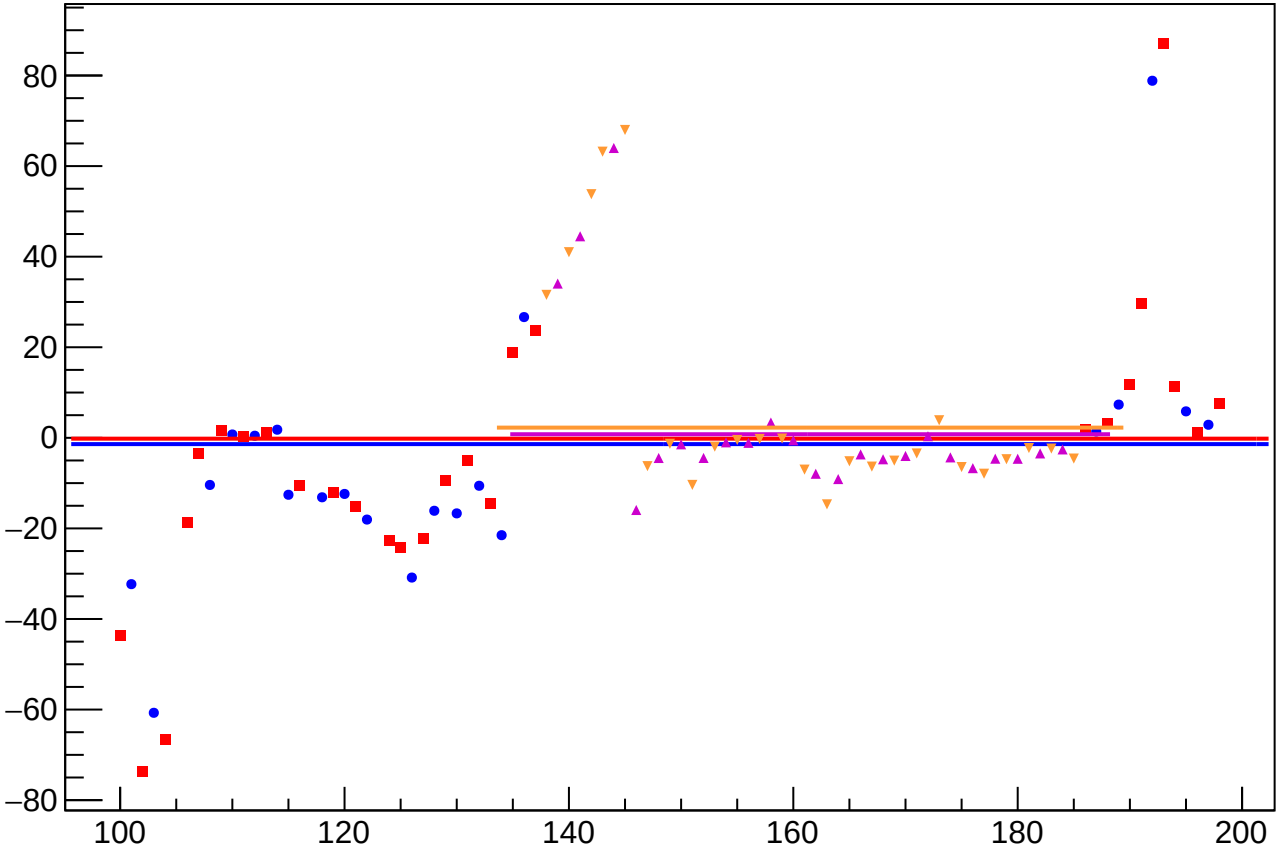
Right: 0.028+/-0.002 χ^2/NDF: 65155.4/47

In: -0.041+/-0.001 χ^2/NDF:37429.7/43

Out: -0.036+/-0.001 χ^2/NDF:39610.9/51

All: -0.038+/-0.001 χ^2/NDF: 77047.7/95

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.388+/-0.049 χ^2/NDF: 109651.5/20

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: -0.184+/-0.040 χ^2/NDF: 112553.6/26

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

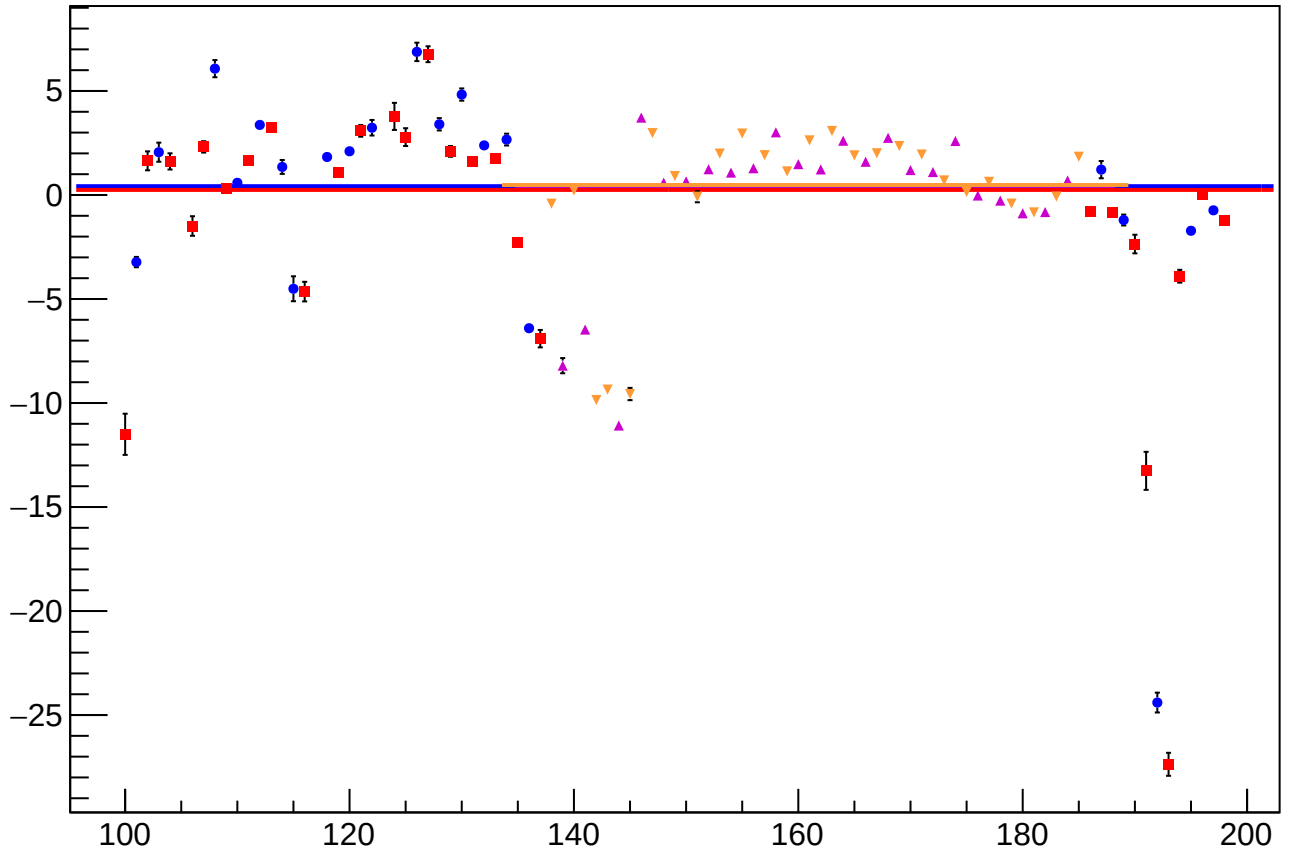
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: -0.674+/-0.031 χ^2/NDF: 222565.8/47

In: -0.113+/-0.031 χ^2/NDF:239646.9/43

Out: 1.003+/-0.029 χ^2/NDF:285998.6/51

All: 0.491+/-0.021 χ^2/NDF: 526326.0/95



Right In: 0.423+/-0.054 χ^2/NDF: 5536.9/20

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.244+/-0.049 χ^2/NDF: 4772.1/26

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

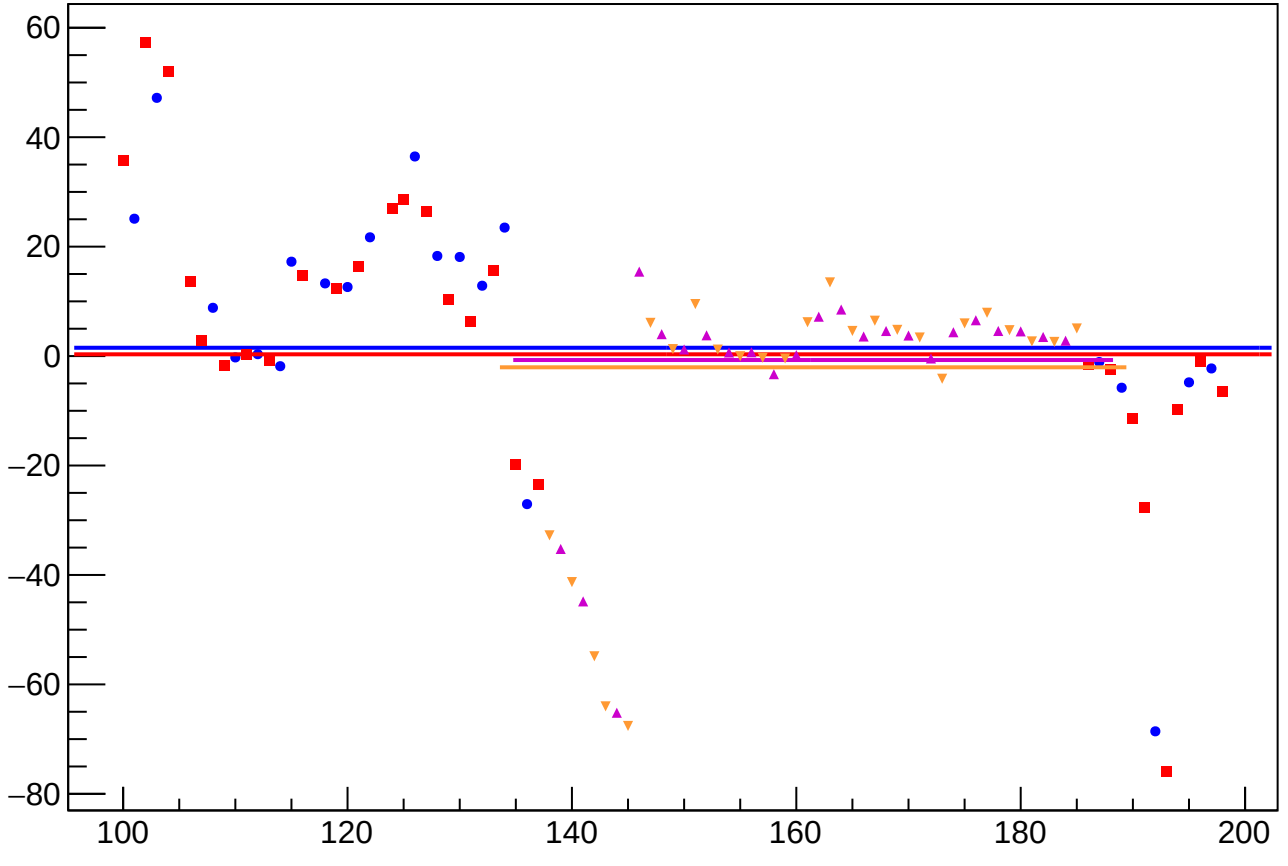
Right: 0.326+/-0.037 χ^2/NDF: 10315.0/47

In: 0.435+/-0.028 χ^2/NDF:12430.7/43

Out: 0.404+/-0.028 χ^2/NDF:11595.5/51

All: 0.420+/-0.020 χ^2/NDF: 24026.8/95

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.522+/-0.051 χ^2/NDF: 108766.6/20

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: 0.324+/-0.043 χ^2/NDF: 111060.2/26

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

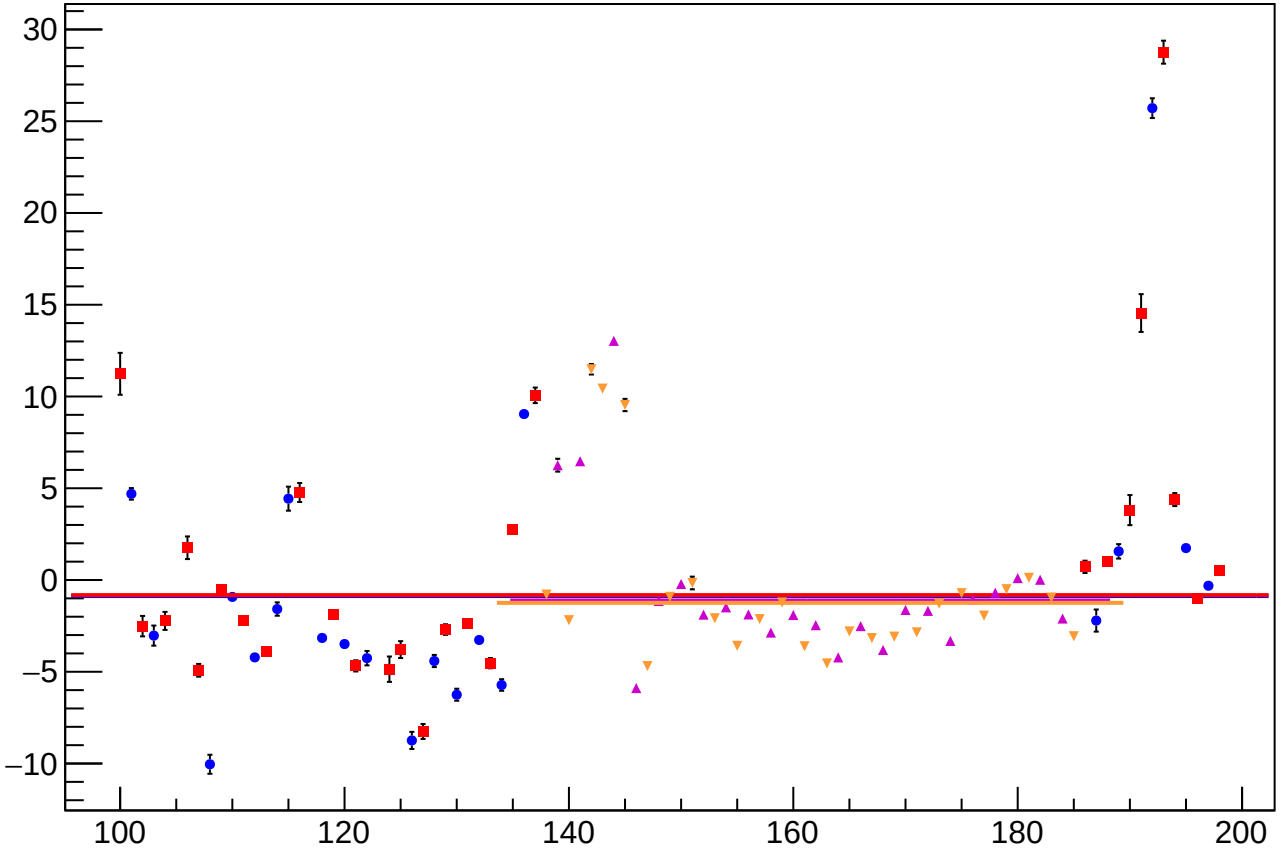
Right: 0.818+/-0.033 χ^2/NDF: 220145.6/47

In: 0.140+/-0.032 χ^2/NDF:235469.3/43

Out: -0.910+/-0.030 χ^2/NDF:278646.0/51

All: -0.418+/-0.022 χ^2/NDF: 514693.6/95

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.875+/-0.064 χ^2/NDF: 7030.8/20

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -0.823+/-0.058 χ^2/NDF: 5304.4/26

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

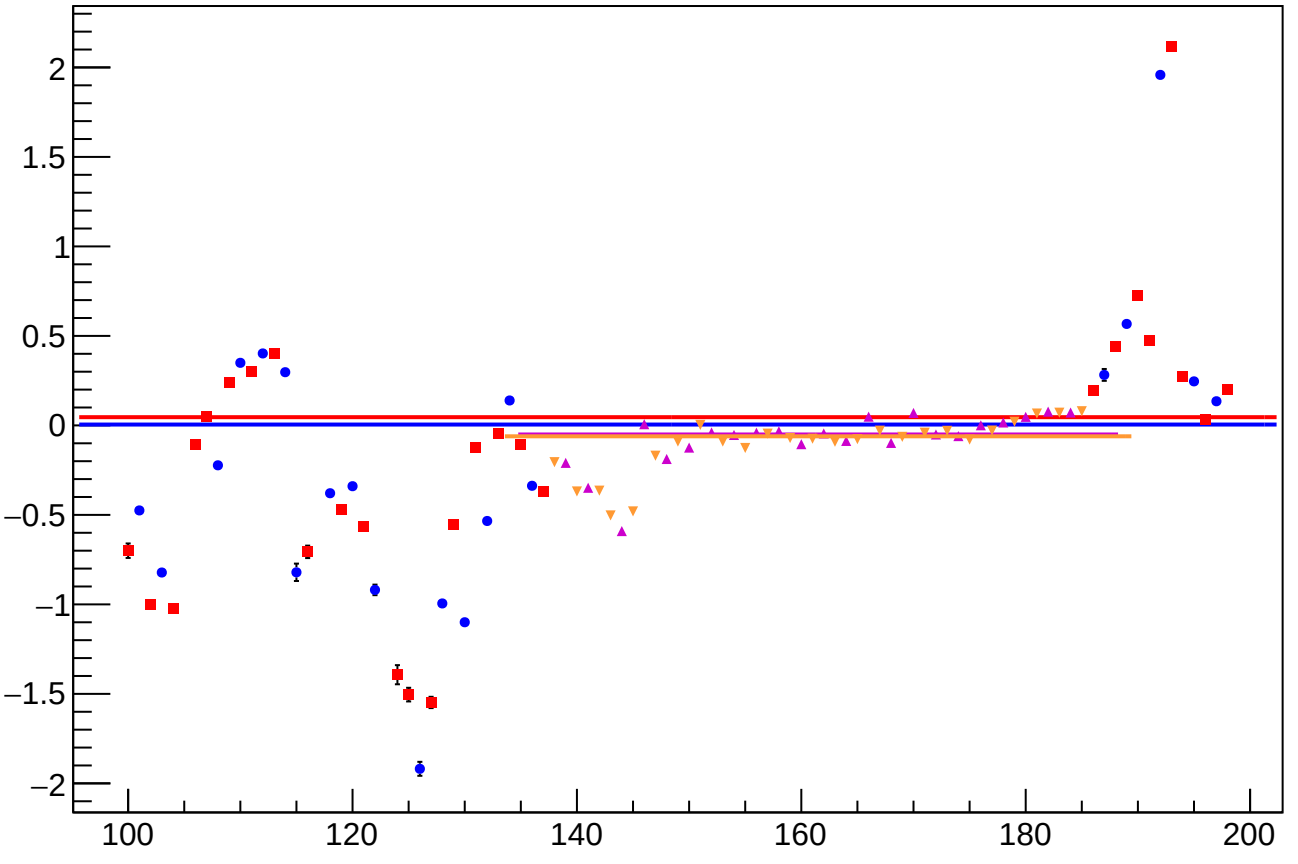
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -0.847+/-0.043 χ^2/NDF: 12335.5/47

In: -1.059+/-0.031 χ^2/NDF:13881.9/43

Out: -1.121+/-0.031 χ^2/NDF:12110.3/51

All: -1.090+/-0.022 χ^2/NDF: 25994.2/95



Right In: 0.005+/-0.003 χ^2/NDF: 31661.1/20

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

Right Out: 0.046+/-0.003 χ^2/NDF: 32118.3/26

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

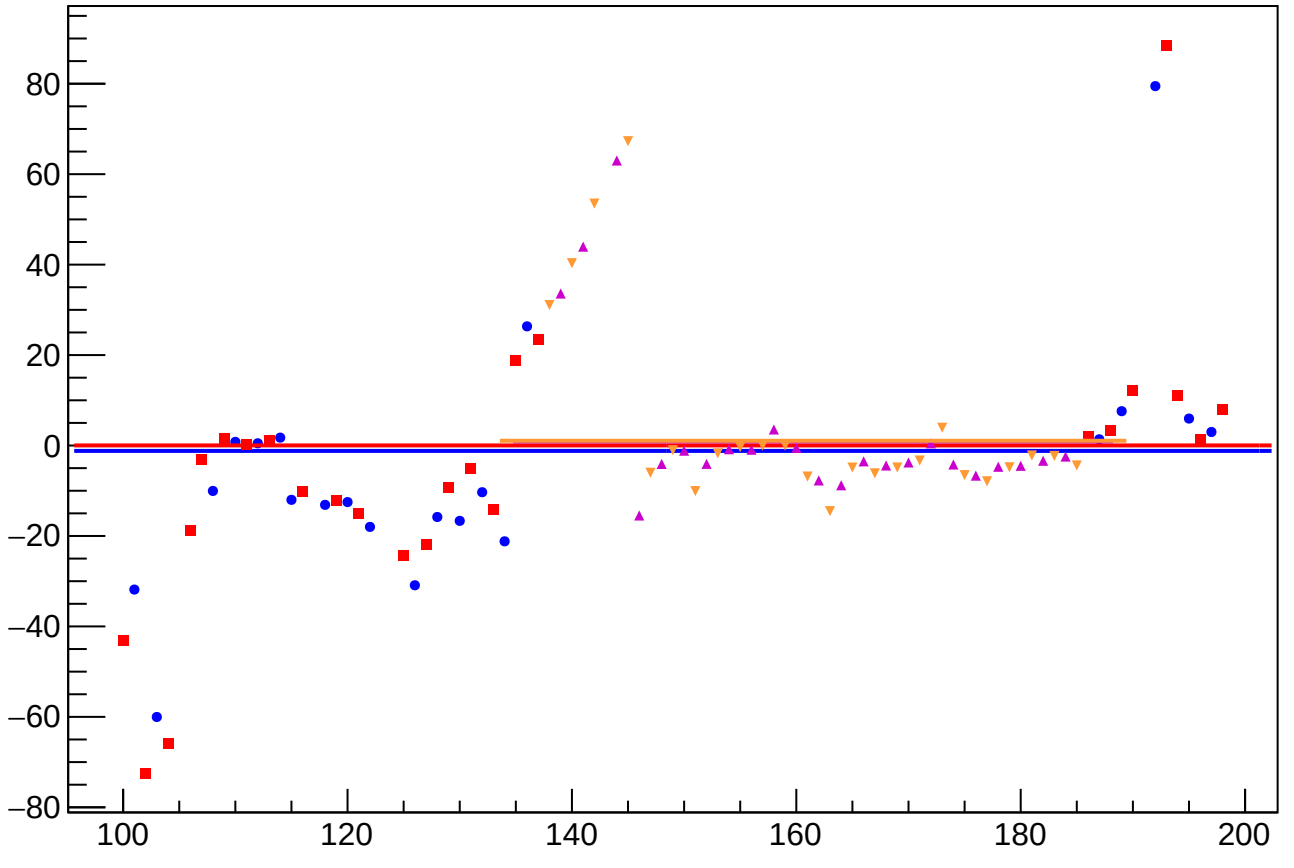
Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

Right: 0.027+/-0.002 χ^2/NDF: 63871.6/47

In: -0.040+/-0.001 χ^2/NDF:36787.6/43

Out: -0.035+/-0.001 χ^2/NDF:38636.5/51

All: -0.038+/-0.001 χ^2/NDF: 75430.6/95



Right In: -1.188+/-0.047 χ^2/NDF: 113292.7/20

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

Right Out: 0.022+/-0.039 χ^2/NDF: 113722.5/24

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

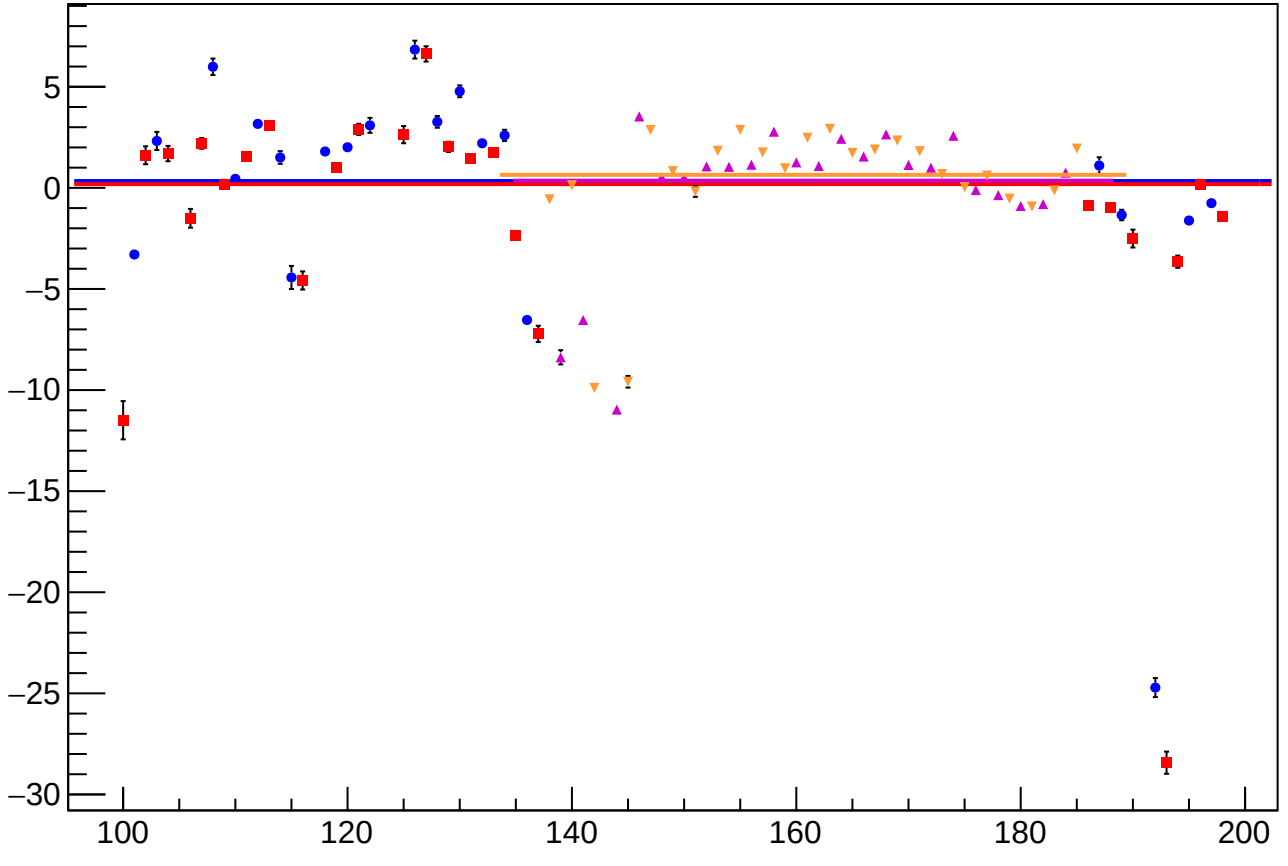
Right: -0.467+/-0.030 χ^2/NDF: 227409.4/45

In: 0.036+/-0.030 χ^2/NDF:247261.9/43

Out: 0.514+/-0.028 χ^2/NDF:245091.5/48

All: 0.294+/-0.021 χ^2/NDF: 492487.1/92

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.338+/-0.053 χ^2/NDF: 5771.5/20

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

Right Out: 0.184+/-0.048 χ^2/NDF: 4846.9/24

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

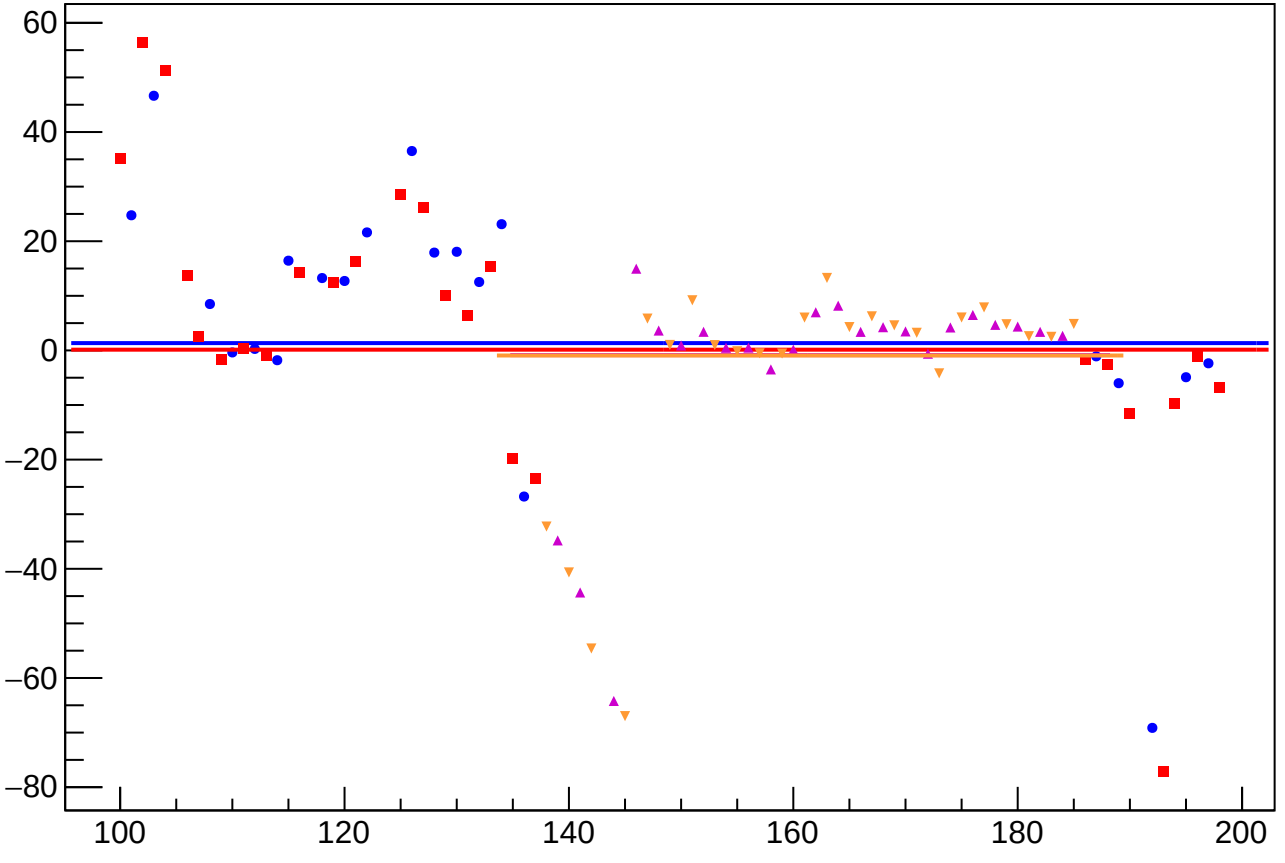
Right: 0.254+/-0.036 χ^2/NDF: 10623.0/45

In: 0.351+/-0.027 χ^2/NDF:12888.6/43

Out: 0.496+/-0.027 χ^2/NDF:9619.7/48

All: 0.422+/-0.019 χ^2/NDF: 22522.6/92

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.340+/-0.050 χ^2/NDF: 112350.5/20

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

Right Out: 0.135+/-0.042 χ^2/NDF: 112267.8/24

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

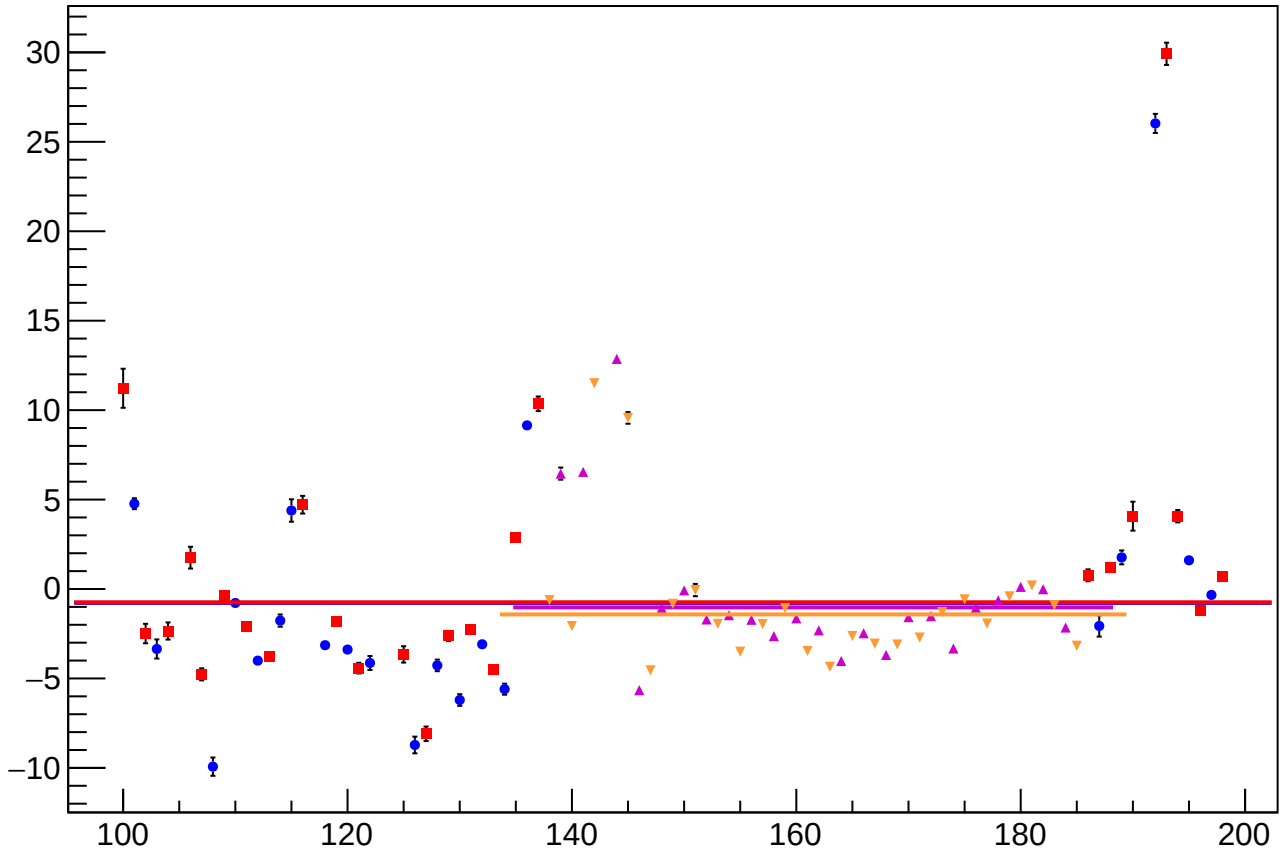
Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

Right: 0.633+/-0.032 χ^2/NDF: 224960.4/45

In: -0.020+/-0.031 χ^2/NDF:243036.9/43

Out: -0.414+/-0.029 χ^2/NDF:238980.3/48

All: -0.228+/-0.021 χ^2/NDF: 482103.2/92



Right In: -0.775+/-0.062 χ^2/NDF: 7348.2/20

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

Right Out: -0.744+/-0.057 χ^2/NDF: 5408.2/24

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

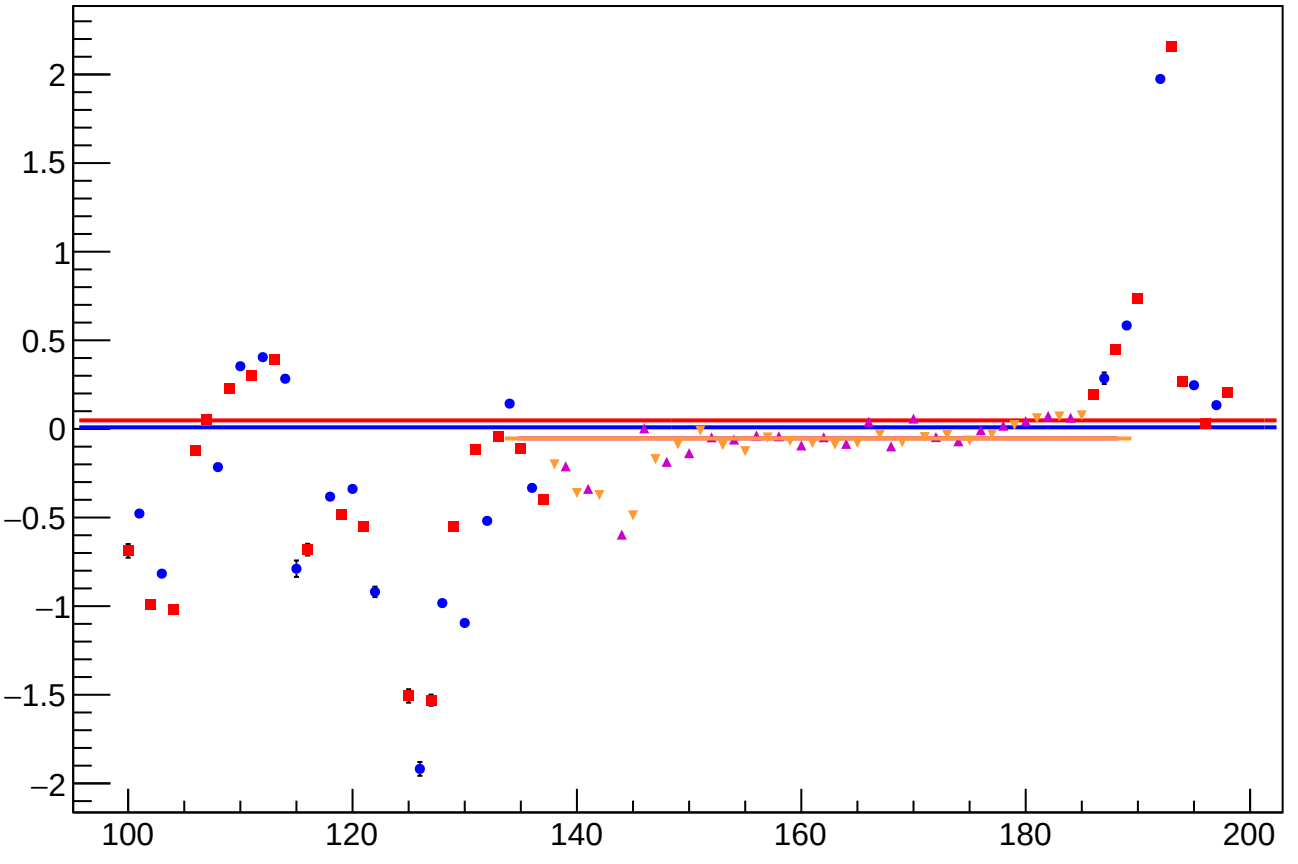
Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

Right: -0.758+/-0.042 χ^2/NDF: 12756.6/45

In: -0.966+/-0.030 χ^2/NDF:14407.8/43

Out: -1.220+/-0.031 χ^2/NDF:10150.9/48

All: -1.091+/-0.022 χ^2/NDF: 24593.5/92



Right In: 0.009+/-0.003 χ^2/NDF: 32842.4/20

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

Right Out: 0.048+/-0.003 χ^2/NDF: 32589.6/24

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

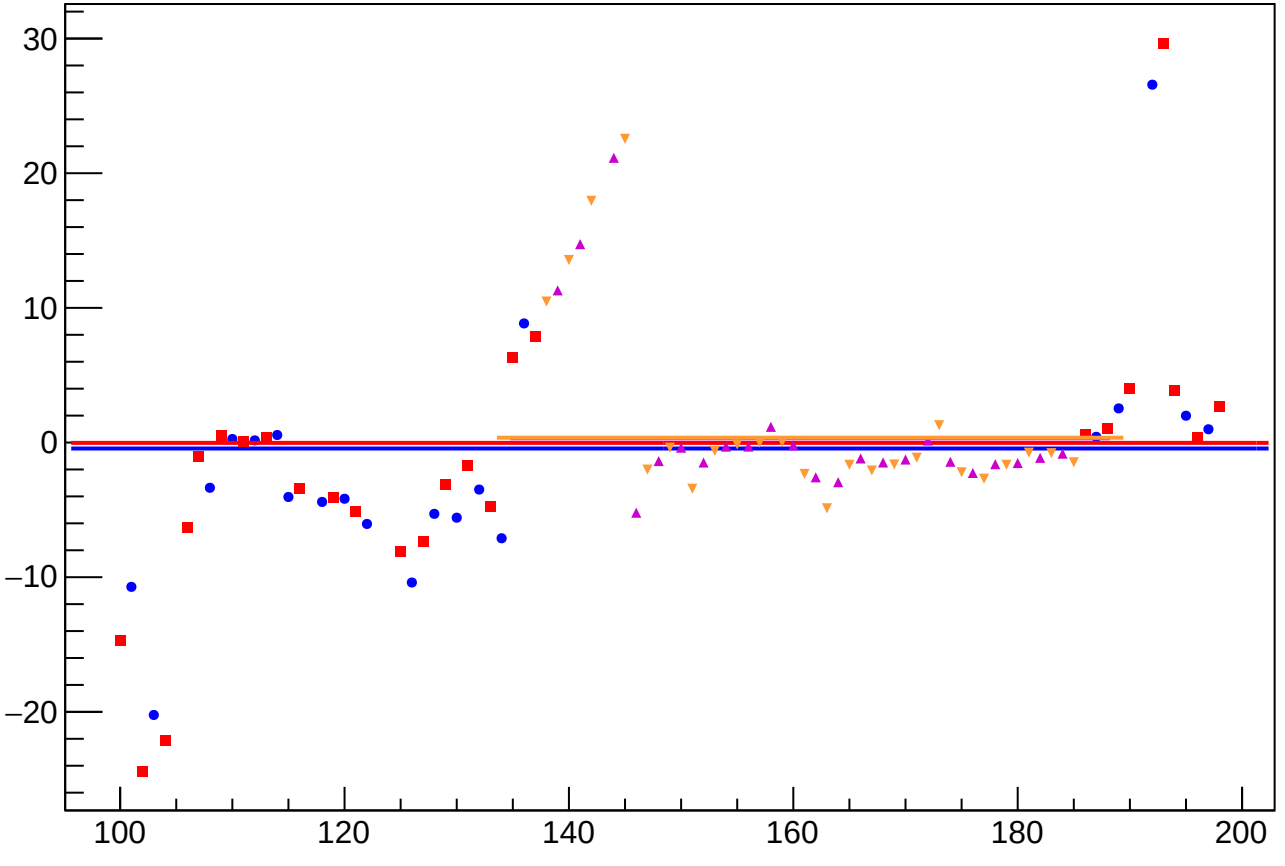
Right: 0.030+/-0.002 χ^2/NDF: 65519.6/45

In: -0.041+/-0.001 χ^2/NDF:38182.9/43

Out: -0.029+/-0.001 χ^2/NDF:37923.6/48

All: -0.035+/-0.001 χ^2/NDF: 76148.5/92

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.444+/-0.016 χ^2/NDF: 111308.6/20

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

Right Out: -0.025+/-0.013 χ^2/NDF: 111986.3/24

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

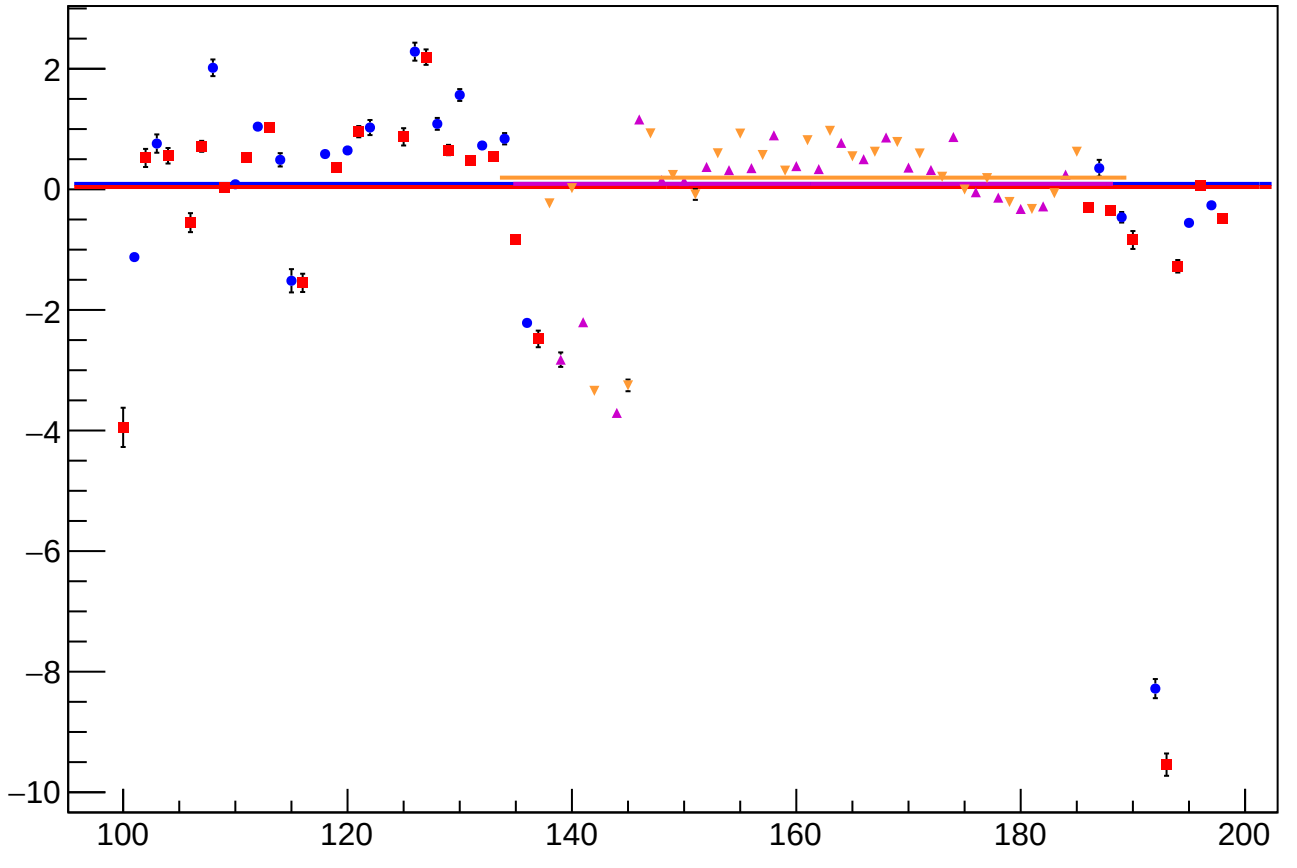
Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

Right: -0.195+/-0.010 χ^2/NDF: 223692.5/45

In: 0.001+/-0.010 χ^2/NDF:242825.6/43

Out: 0.160+/-0.010 χ^2/NDF:241212.2/48

All: 0.087+/-0.007 χ^2/NDF: 484163.4/92



Right In: 0.091+/-0.018 χ^2/NDF: 5657.9/20

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

Right Out: 0.039+/-0.017 χ^2/NDF: 4768.9/24

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

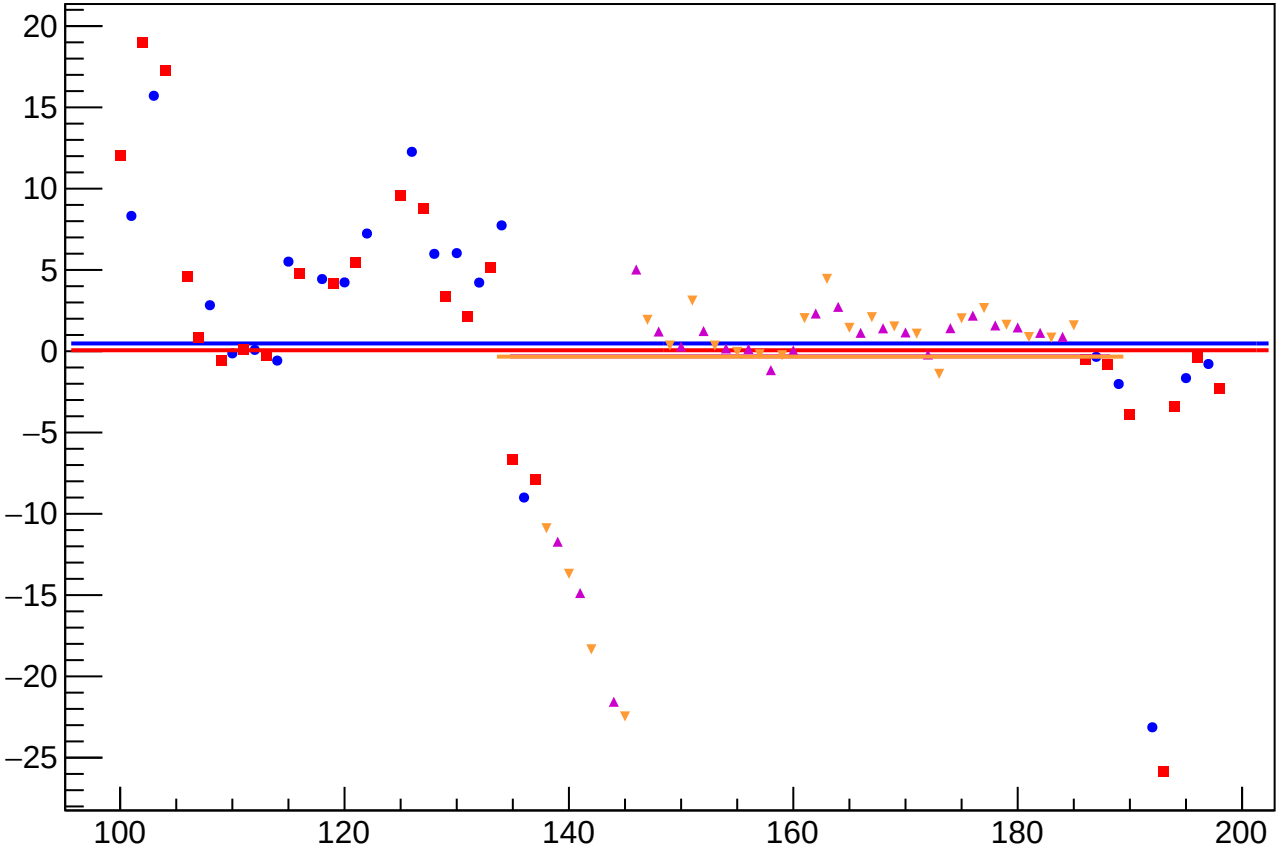
Right: 0.063+/-0.012 χ^2/NDF: 10431.3/45

In: 0.091+/-0.009 χ^2/NDF:12594.4/43

Out: 0.145+/-0.009 χ^2/NDF:9474.2/48

All: 0.117+/-0.007 χ^2/NDF: 22085.2/92

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.478+/-0.017 χ^2/NDF: 110403.3/20

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

Right Out: 0.060+/-0.014 χ^2/NDF: 110584.5/24

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

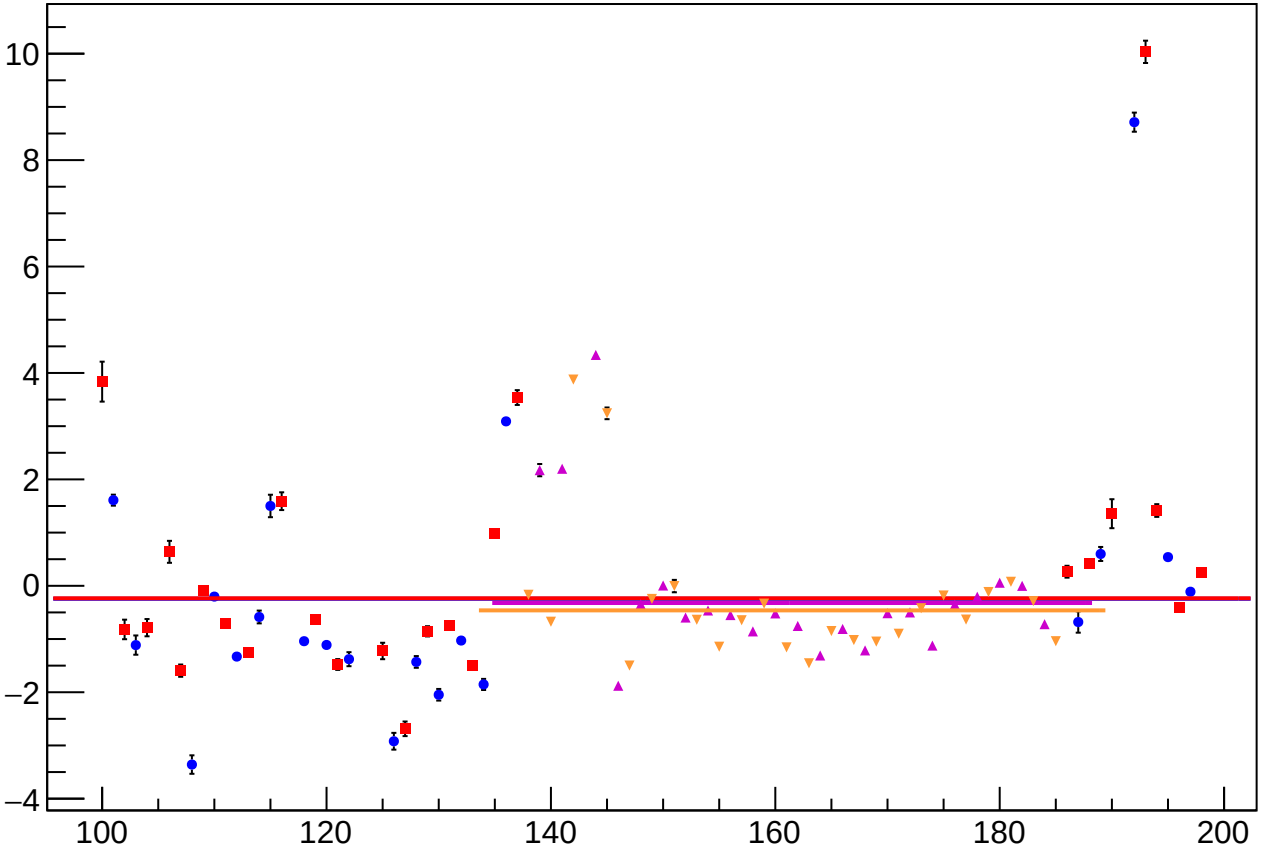
Right: 0.233+/-0.011 χ^2/NDF: 221338.7/45

In: -0.011+/-0.011 χ^2/NDF:238727.2/43

Out: -0.143+/-0.010 χ^2/NDF:235205.9/48

All: -0.081+/-0.007 χ^2/NDF: 474014.8/92

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.244+/-0.021 χ^2/NDF: 7199.7/20

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

Right Out: -0.235+/-0.019 χ^2/NDF: 5325.3/24

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

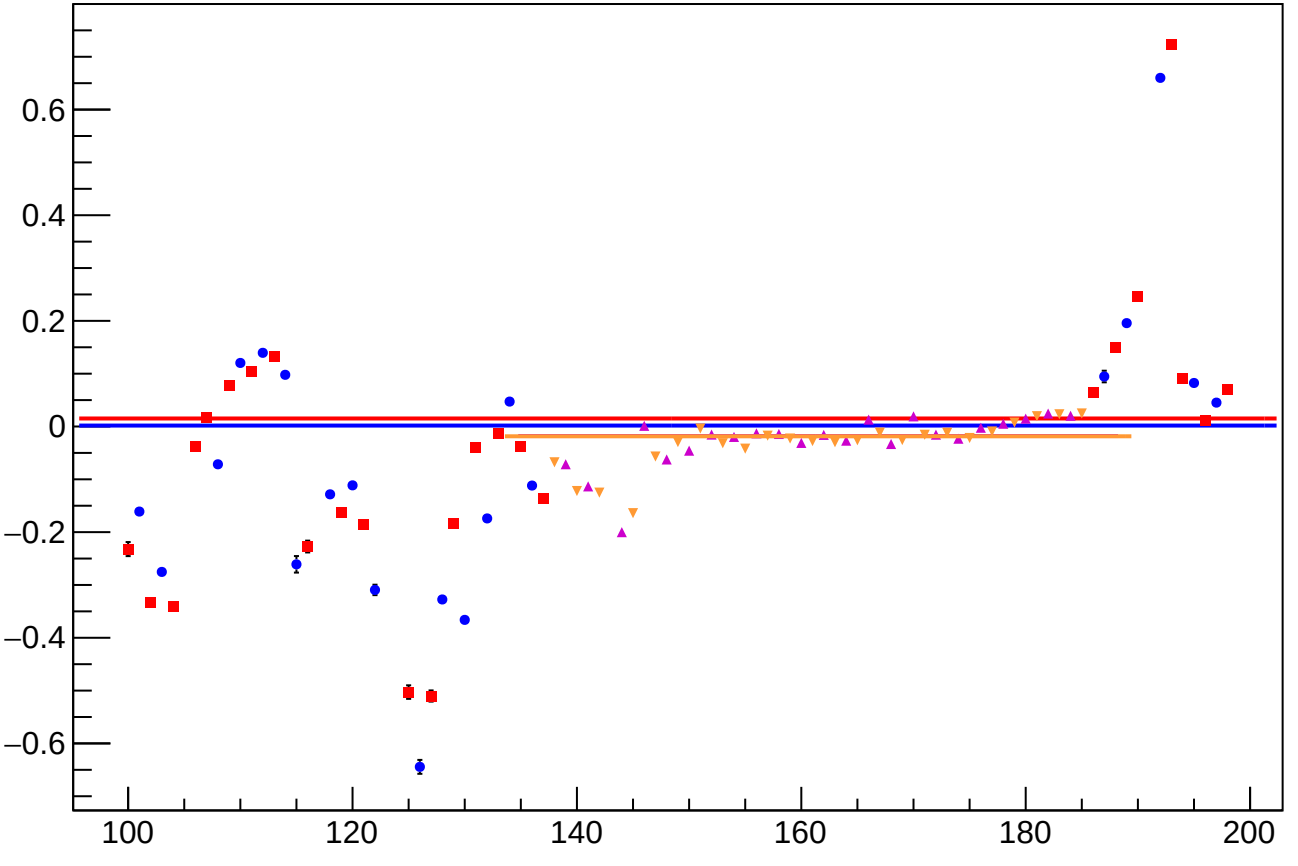
Right: -0.239+/-0.014 χ^2/NDF: 12525.1/45

In: -0.304+/-0.010 χ^2/NDF:14092.2/43

Out: -0.395+/-0.011 χ^2/NDF:10001.5/48

All: -0.349+/-0.007 χ^2/NDF: 24131.7/92

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.002+/-0.001 χ^2/NDF: 32268.2/20

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

Right Out: 0.015+/-0.001 χ^2/NDF: 31994.4/24

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

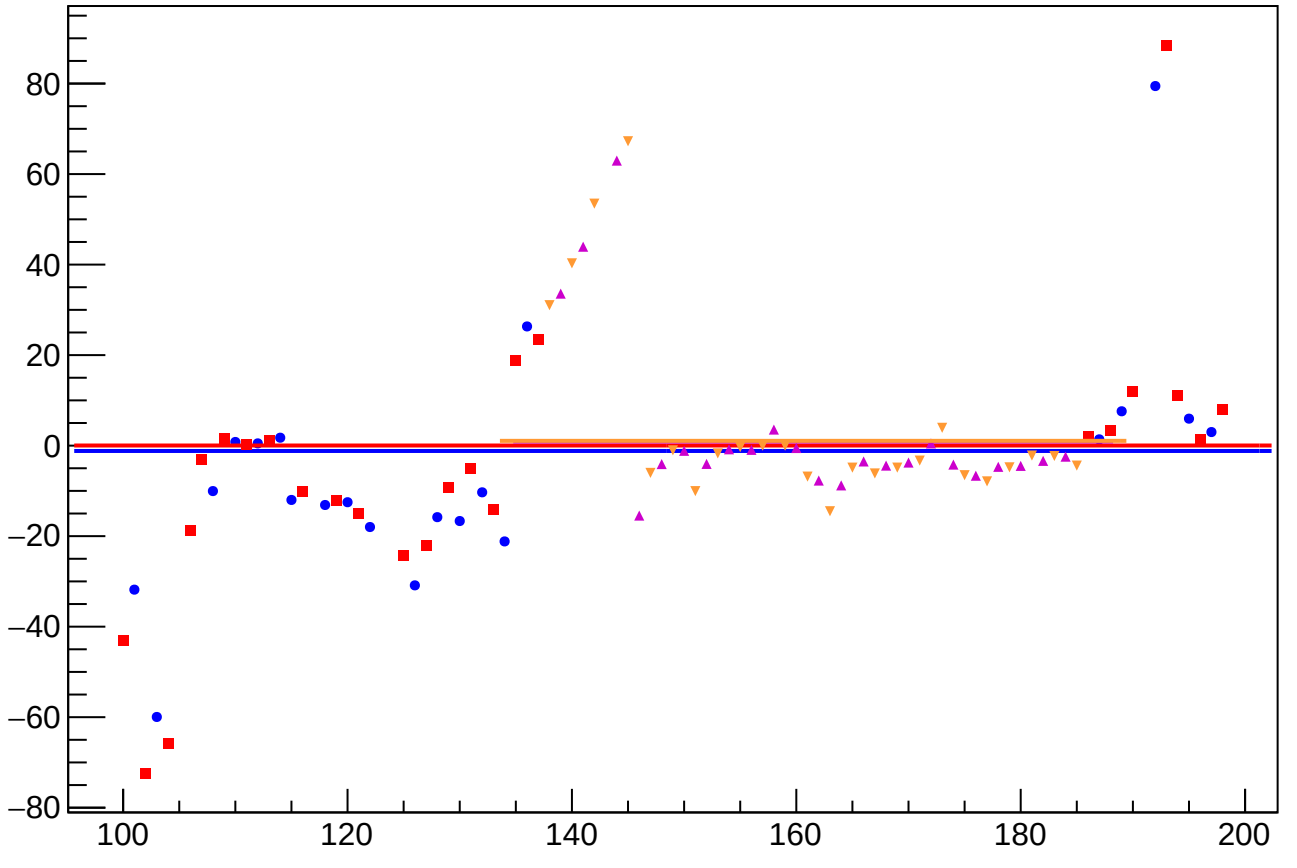
Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

Right: 0.009+/-0.001 χ^2/NDF: 64350.5/45

In: -0.014+/-0.000 χ^2/NDF:37431.2/43

Out: -0.010+/-0.000 χ^2/NDF:37146.4/48

All: -0.012+/-0.000 χ^2/NDF: 74612.0/92



Right In: -1.179+/-0.047 χ^2/NDF: 113321.2/20

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

Right Out: 0.027+/-0.039 χ^2/NDF: 113742.7/24

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

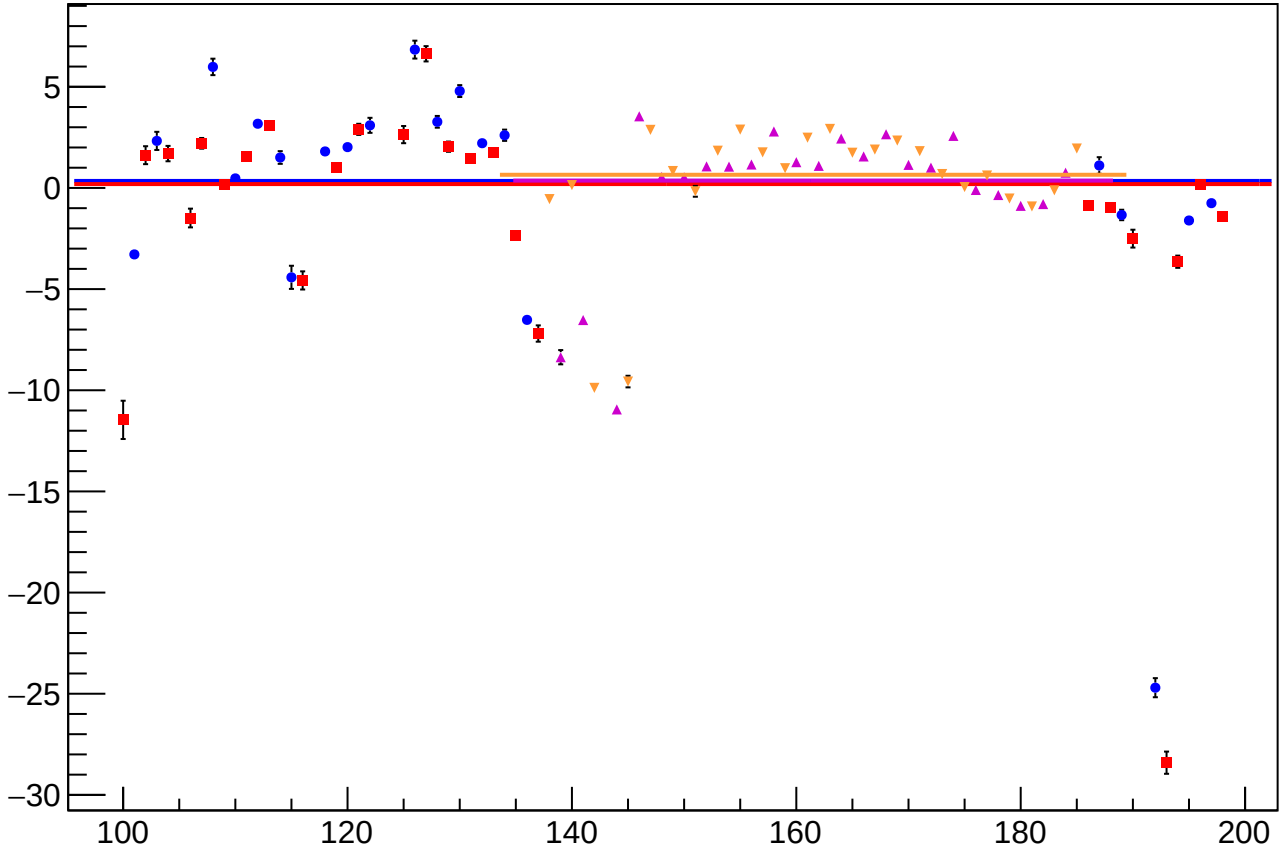
Right: -0.460+/-0.030 χ^2/NDF: 227456.4/45

In: 0.041+/-0.030 χ^2/NDF:247294.5/43

Out: 0.519+/-0.028 χ^2/NDF:245091.1/48

All: 0.299+/-0.021 χ^2/NDF: 492519.3/92

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.346+/-0.053 χ^2/NDF: 5774.3/20

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

Right Out: 0.191+/-0.048 χ^2/NDF: 4847.3/24

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

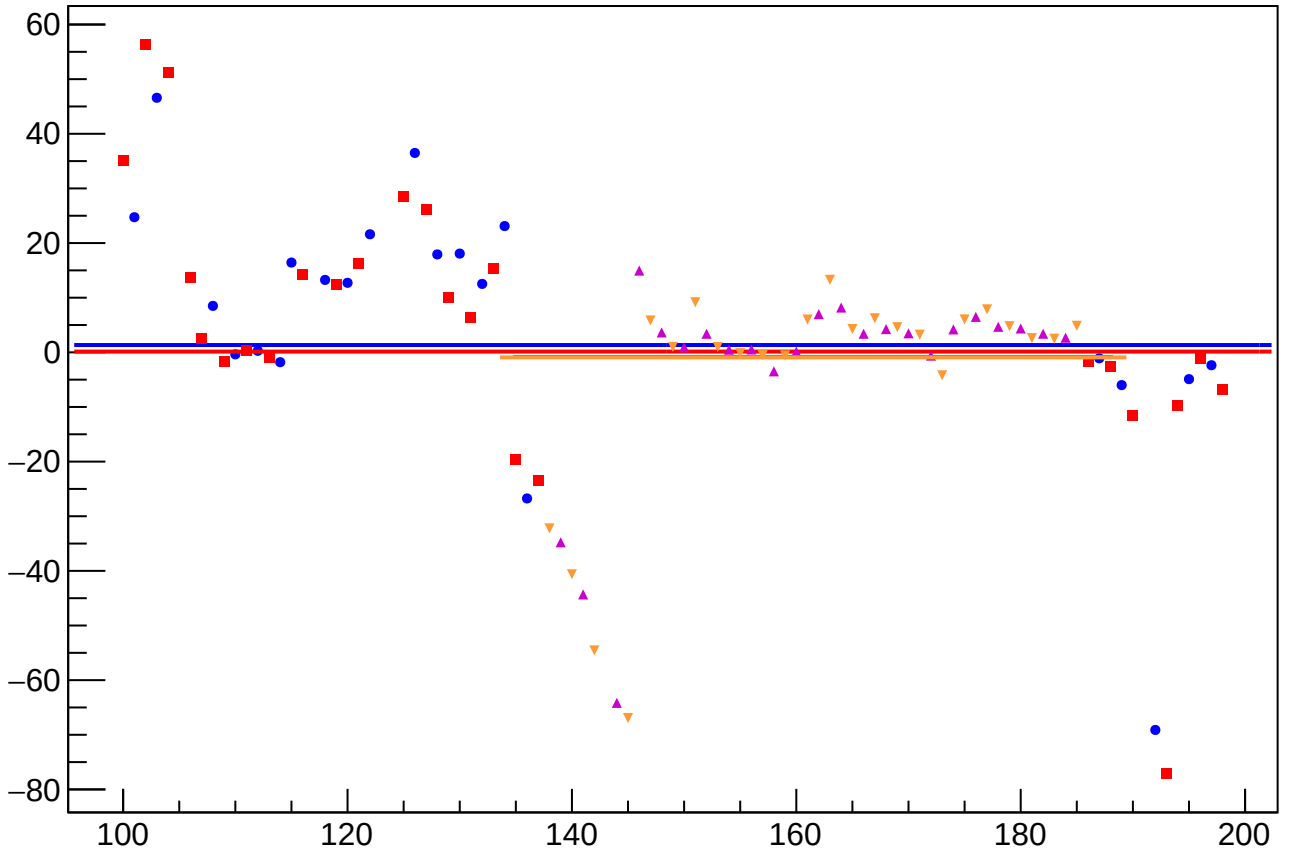
Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

Right: 0.262+/-0.035 χ^2/NDF: 10626.4/45

In: 0.360+/-0.027 χ^2/NDF:12896.8/43

Out: 0.503+/-0.027 χ^2/NDF:9618.2/48

All: 0.430+/-0.019 χ^2/NDF: 22529.0/92



Right In: 1.336+/-0.050 χ^2/NDF: 112376.4/20

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

Right Out: 0.135+/-0.042 χ^2/NDF: 112283.6/24

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

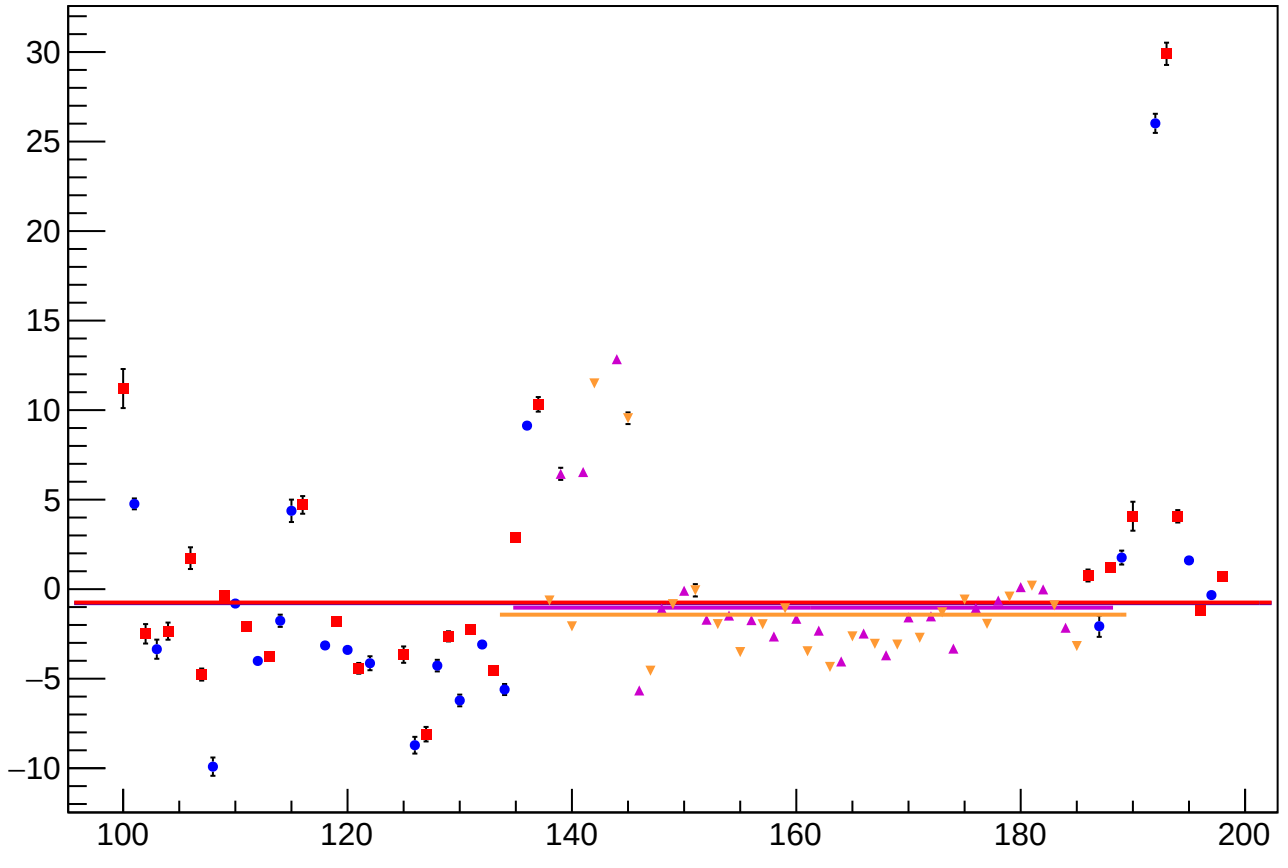
Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

Right: 0.631+/-0.032 χ^2/NDF: 225000.5/45

In: -0.019+/-0.031 χ^2/NDF:243063.6/43

Out: -0.413+/-0.029 χ^2/NDF:238976.8/48

All: -0.227+/-0.021 χ^2/NDF: 482126.6/92



Right In: -0.781+/-0.062 χ^2/NDF: 7350.6/20

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

Right Out: -0.748+/-0.056 χ^2/NDF: 5407.1/24

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

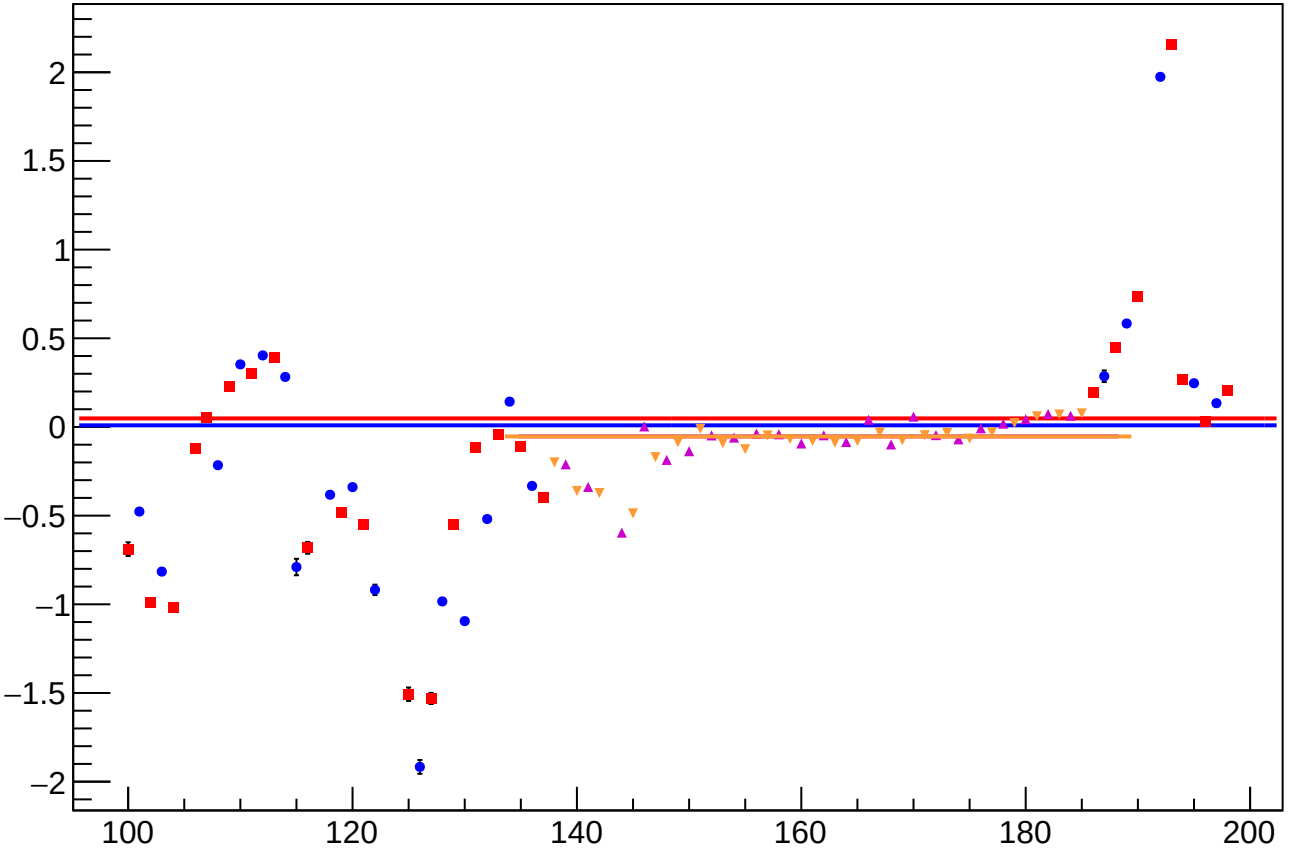
Right: -0.763+/-0.042 χ^2/NDF: 12757.8/45

In: -0.972+/-0.030 χ^2/NDF:14414.5/43

Out: -1.224+/-0.031 χ^2/NDF:10147.6/48

All: -1.096+/-0.022 χ^2/NDF: 24596.5/92

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.009+/-0.003 χ^2/NDF: 32851.2/20

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

Right Out: 0.048+/-0.003 χ^2/NDF: 32603.9/24

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

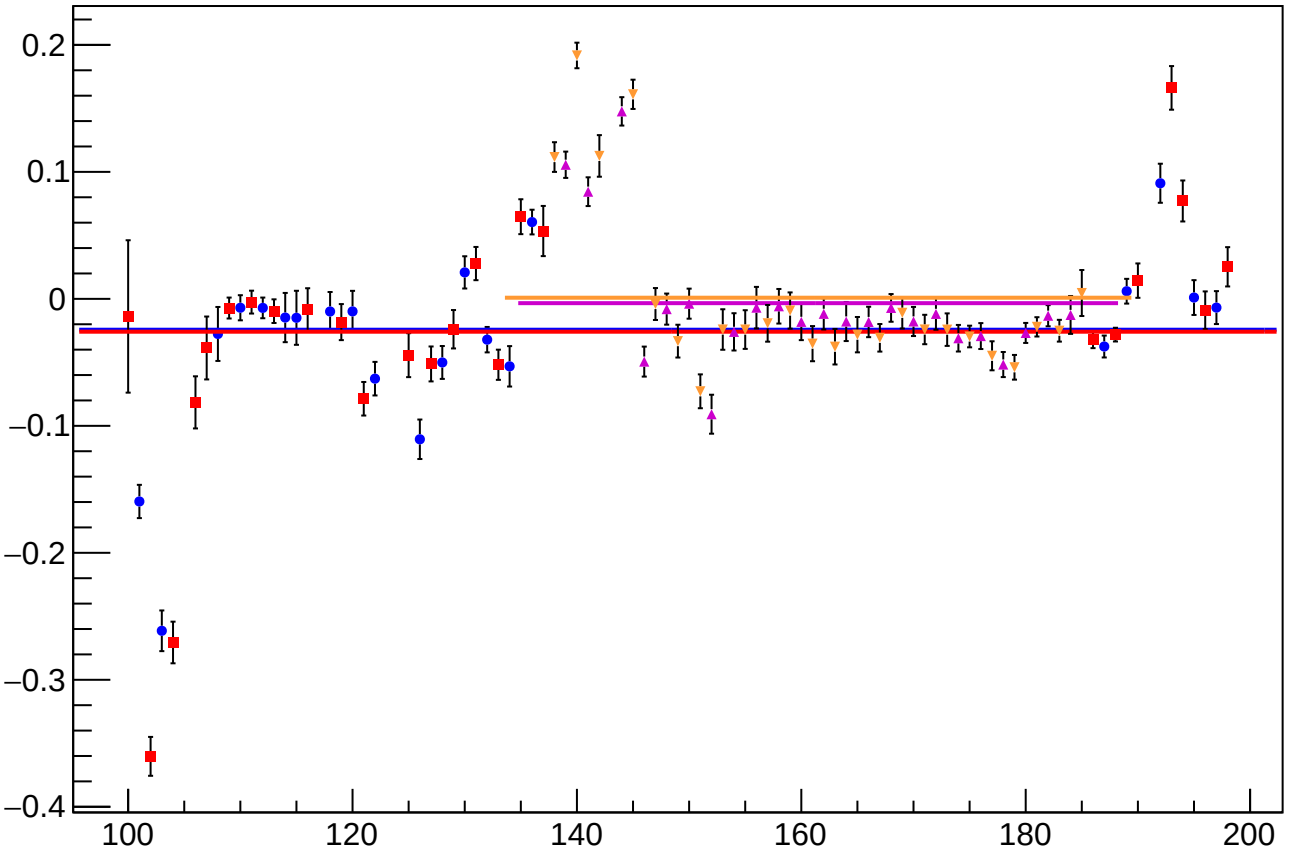
Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

Right: 0.030+/-0.002 χ^2/NDF: 65542.9/45

In: -0.041+/-0.001 χ^2/NDF:38196.5/43

Out: -0.029+/-0.001 χ^2/NDF:37940.1/48

All: -0.035+/-0.001 χ^2/NDF: 76179.2/92



Right In: -0.024+/-0.003 χ^2/NDF: 544.8/20

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

Right Out: -0.026+/-0.002 χ^2/NDF: 1013.0/24

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

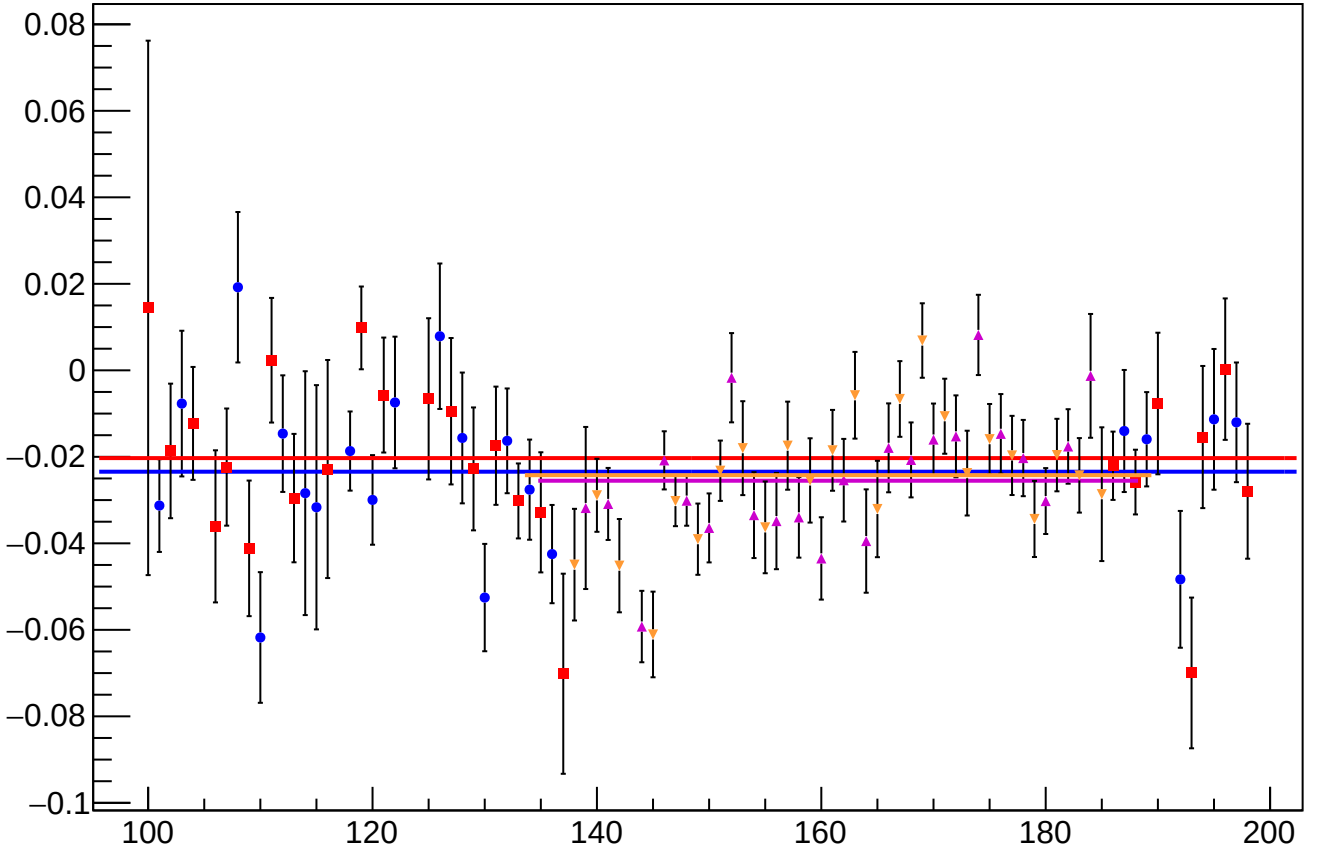
Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

Right: -0.025+/-0.002 χ^2/NDF: 1558.0/45

In: -0.013+/-0.002 χ^2/NDF:1036.0/43

Out: -0.013+/-0.002 χ^2/NDF:1926.0/48

All: -0.013+/-0.001 χ^2/NDF: 2962.1/92



Right In: -0.023+/-0.003 χ^2/NDF: 33.3/20

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

Right Out: -0.020+/-0.003 χ^2/NDF: 36.3/24

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

Left: -0.025+/-0.001 χ^2/NDF: 109.0/46

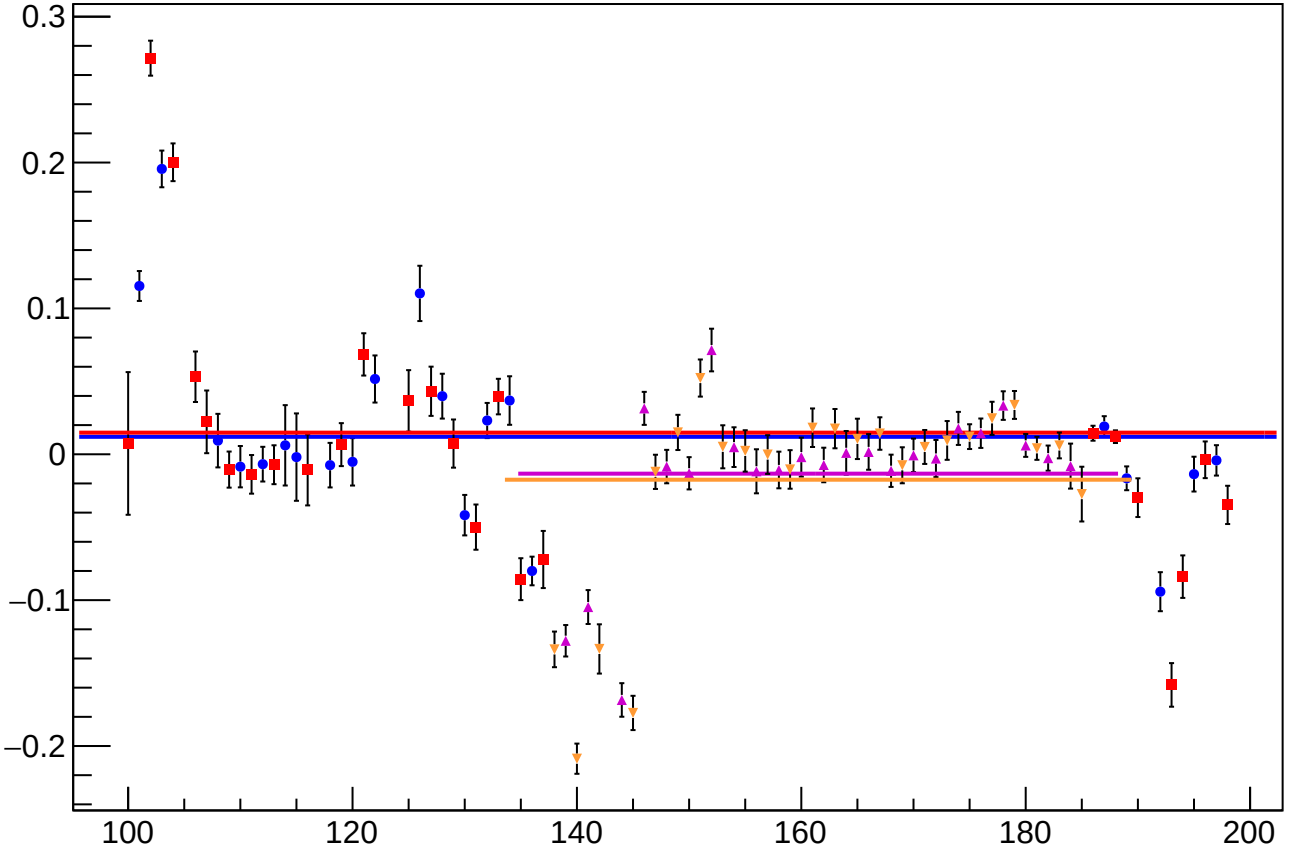
Right: -0.022+/-0.002 χ^2/NDF: 70.2/45

In: -0.025+/-0.002 χ^2/NDF:88.7/43

Out: -0.023+/-0.002 χ^2/NDF:91.5/48

All: -0.024+/-0.001 χ^2/NDF: 181.0/92

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.012+/-0.003 χ^2/NDF: 547.8/20

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

Right Out: 0.015+/-0.002 χ^2/NDF: 997.3/24

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

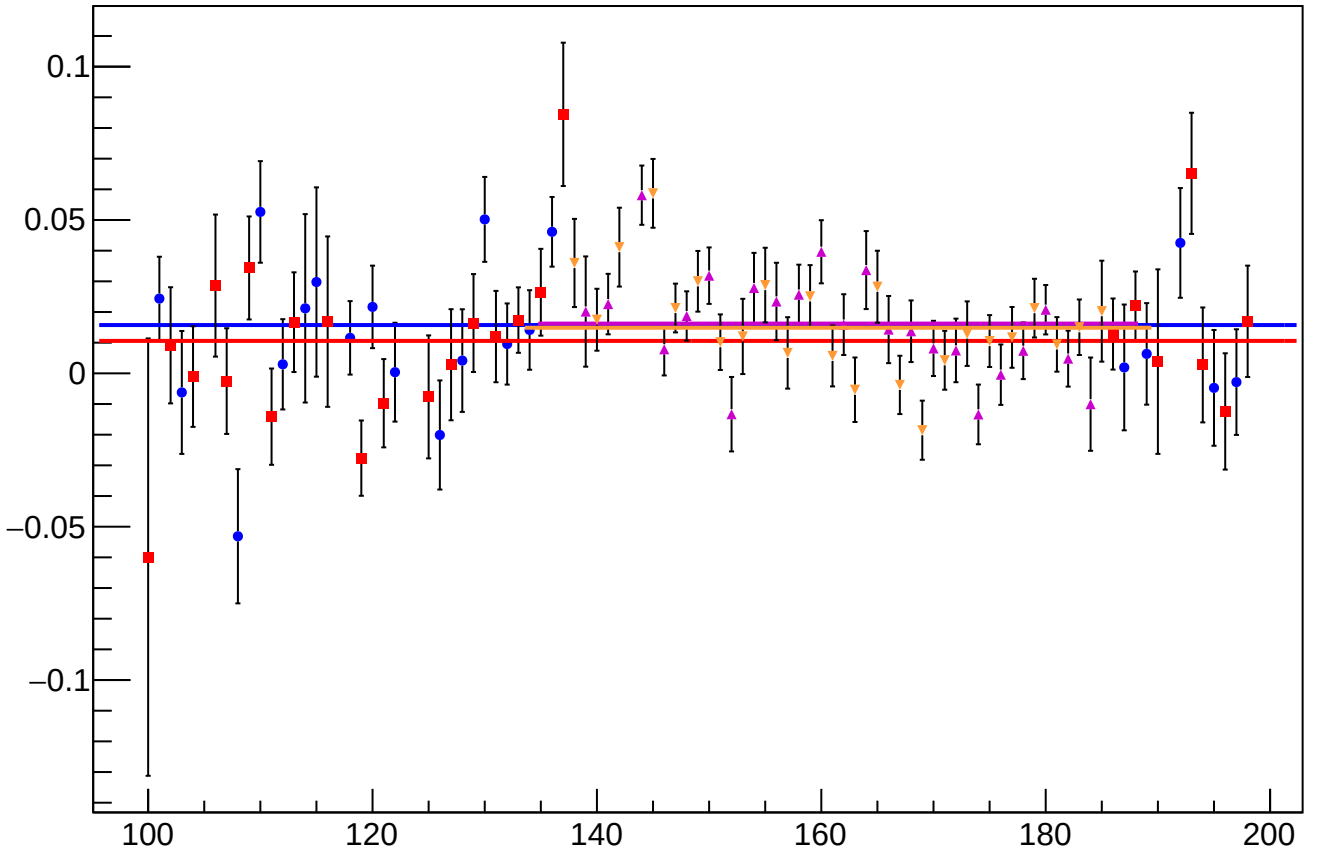
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

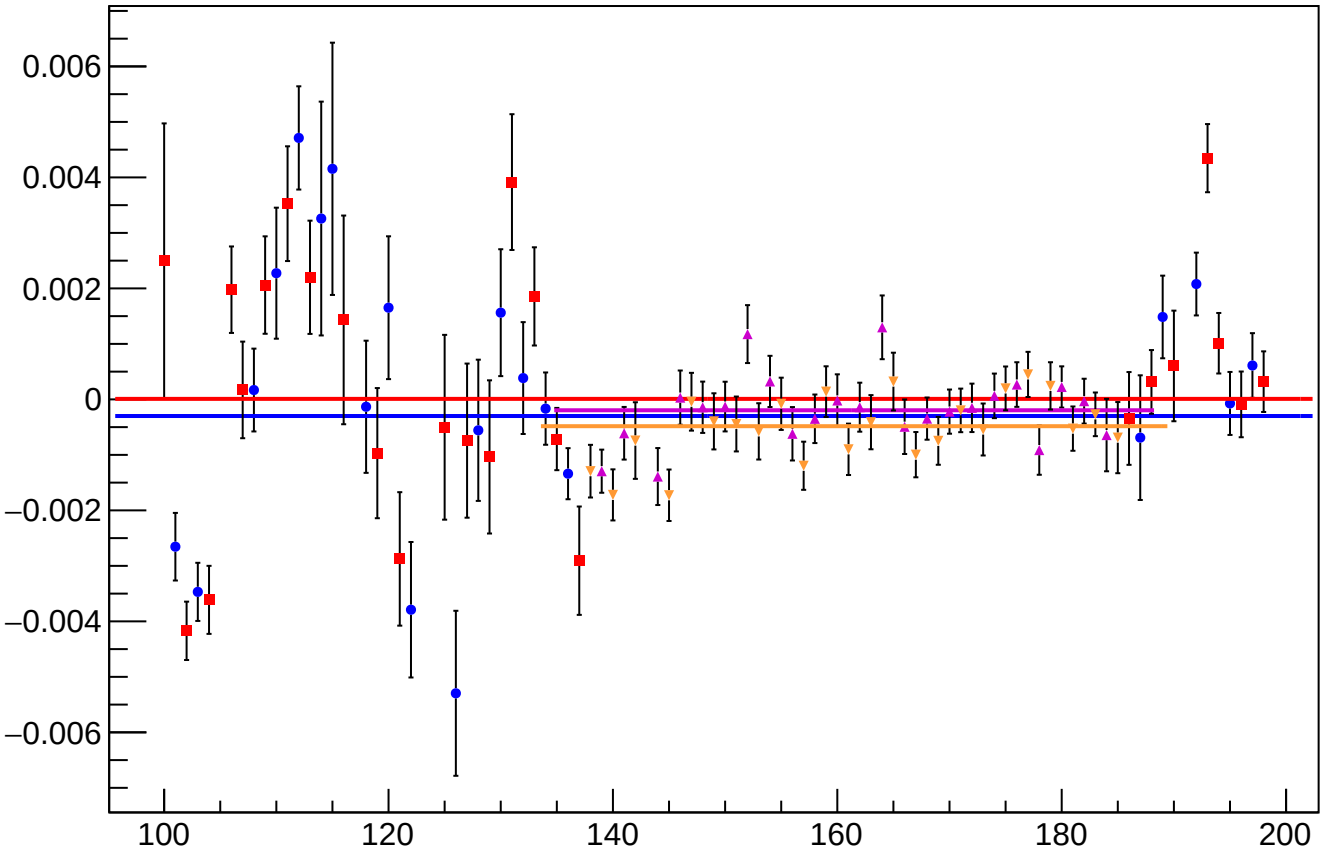
Right: 0.014+/-0.002 χ^2/NDF: 1545.8/45

In: -0.002+/-0.002 χ^2/NDF:1055.2/43

Out: -0.001+/-0.002 χ^2/NDF:1905.5/48

All: -0.001+/-0.001 χ^2/NDF: 2961.2/92


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: 0.016+/-0.003 χ²/NDF: 42.2/20
Left Out: 0.015+/-0.002 χ²/NDF:52.1/23
Right Out: 0.011+/-0.003 χ²/NDF: 42.4/24
Left In: 0.016+/-0.002 χ²/NDF:58.0/22
Left: 0.016+/-0.001 χ²/NDF: 110.2/46
Right: 0.013+/-0.002 χ²/NDF: 85.8/45
In: 0.016+/-0.002 χ²/NDF:100.2/43
Out: 0.014+/-0.002 χ²/NDF:95.7/48
All: 0.015+/-0.001 χ²/NDF: 196.8/92



Right In: -0.000+/-0.000 χ^2/NDF: 148.6/20

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 214.7/24

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

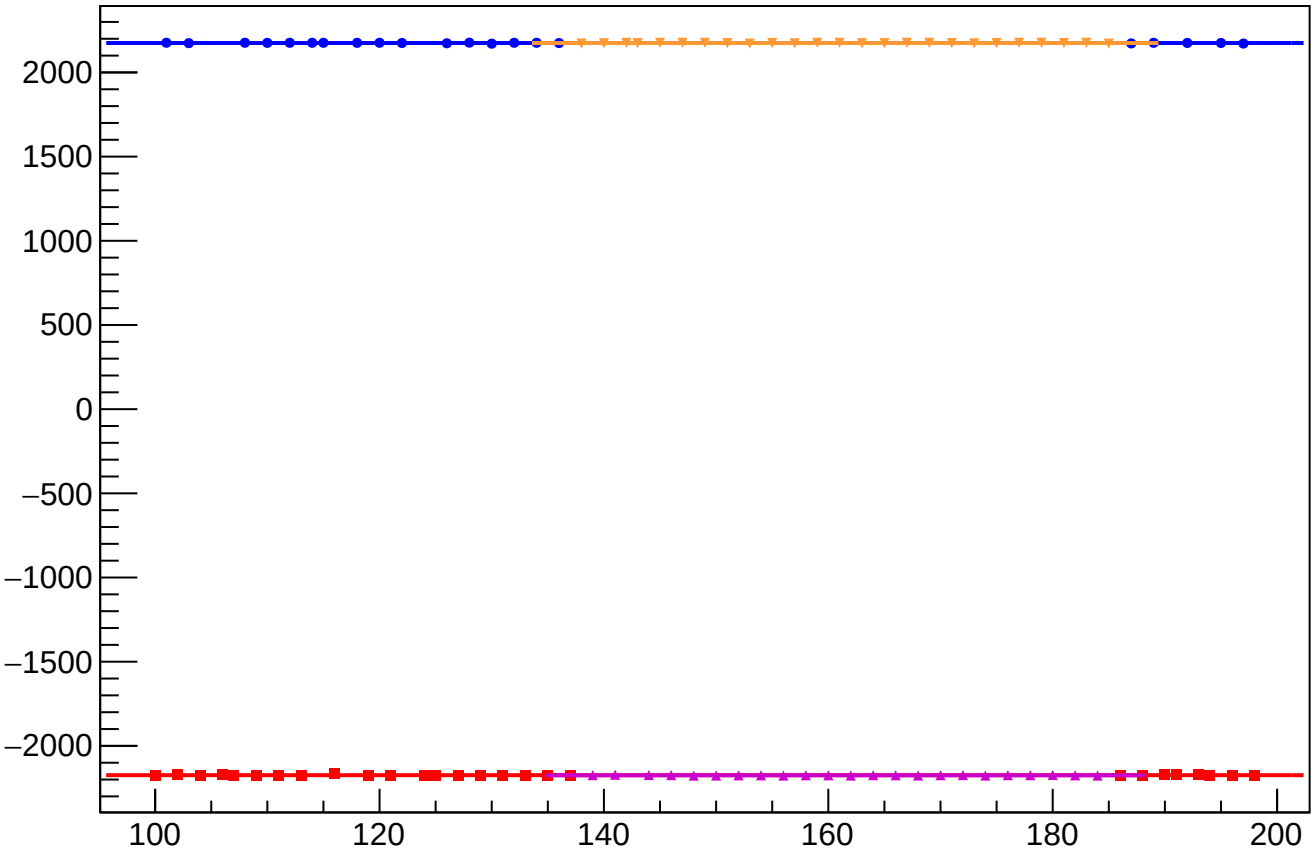
Right: -0.000+/-0.000 χ^2/NDF: 365.1/45

In: -0.000+/-0.000 χ^2/NDF:186.1/43

Out: -0.000+/-0.000 χ^2/NDF:262.7/48

All: -0.000+/-0.000 χ^2/NDF: 450.2/92

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.896+/-0.000 χ^2/NDF: 290789974999235707833423079931904 0.0/20

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517 12.0/24

Right Out: -2174.057+/-0.000 χ^2/NDF: 935269271496885542761430546330 4192.0/26

Left In: -2174.573+/-0.000 χ^2/NDF:343126709779383884572886381572 9152.0/22

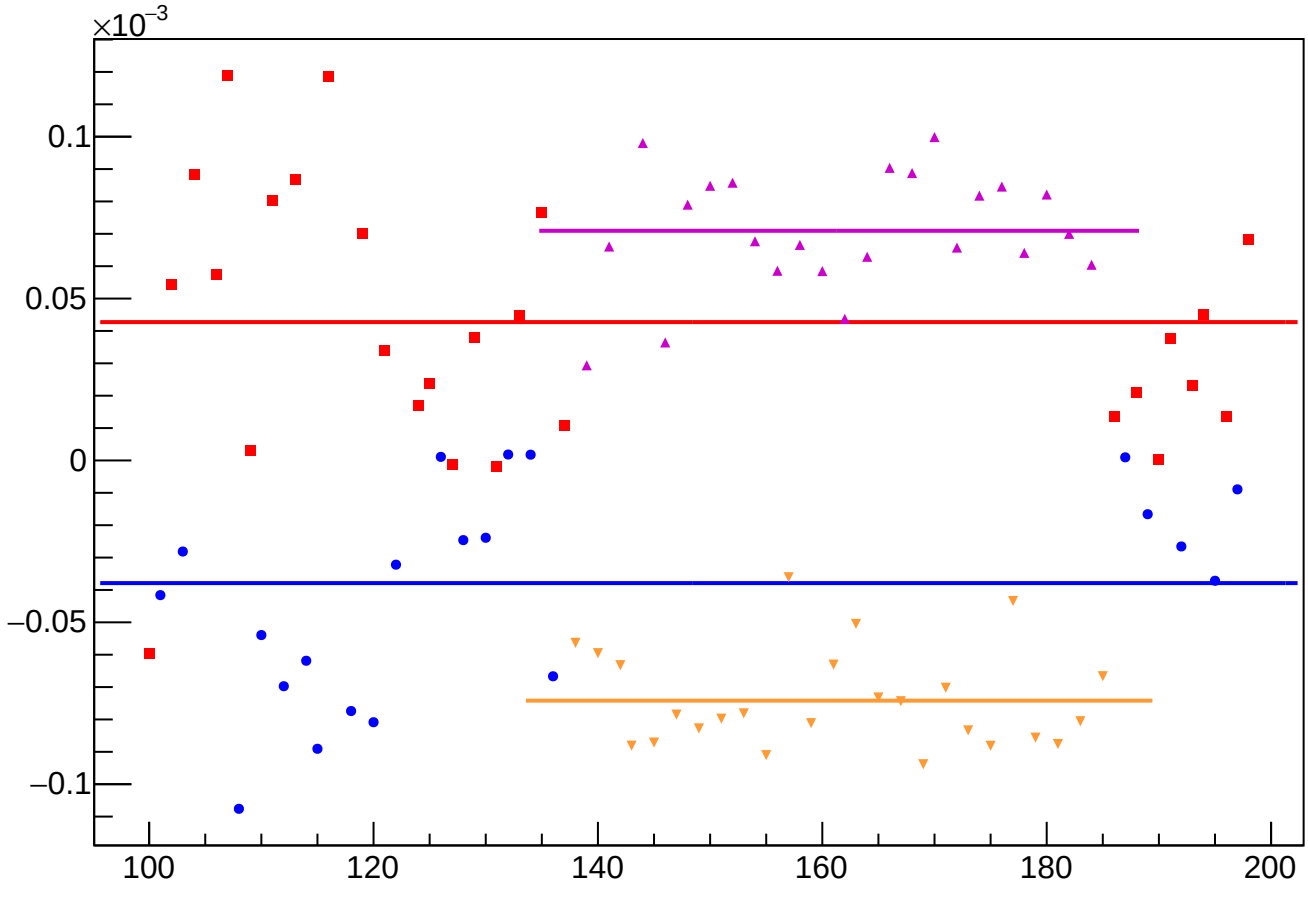
Left: 62.103+/-0.000 χ^2/NDF: 1854116767315315 0

Right: -197.425+/-0.000 χ^2/NDF: 1123534746938 3

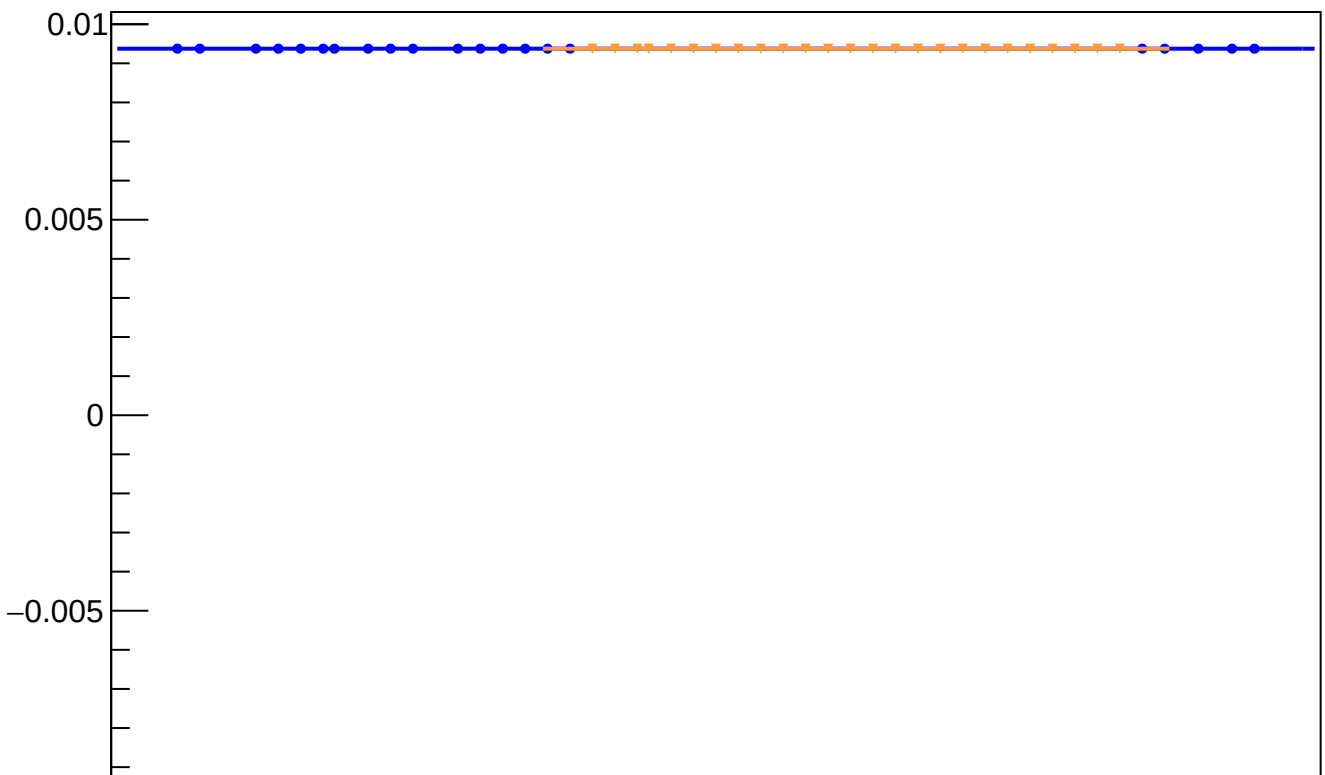
In: -593.080+/-0.000 χ^2/NDF:131107207154793 1

Out: 465.244+/-0.000 χ^2/NDF:150011415376804 3

All: -36.288+/-0.000 χ^2/NDF: 298767153247


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: 8925844836005347401400320/20
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520/24
Right Out: 0.000+/-0.000 χ²/NDF: 13656613347328876609536000/26
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: 61190718780363351
In: 0.000+/-0.000 χ²/NDF:9730279357523867025
Out: -0.000+/-0.000 χ²/NDF:12681067270472715
All: 0.000+/-0.000 χ²/NDF: 2800727900408

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/20

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/26

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

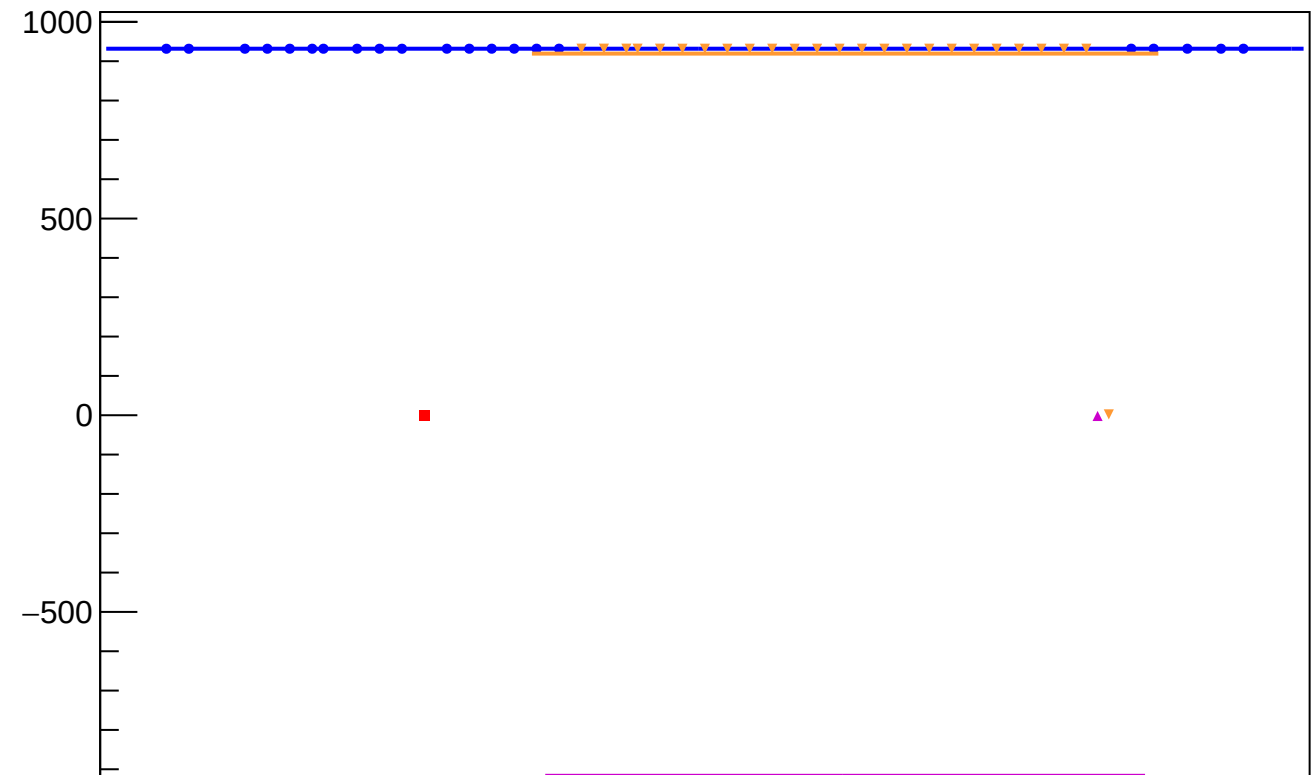
Right: -0.001+/-0.000 χ^2/NDF: 2088426511633969

In: -0.003+/-0.000 χ^2/NDF:243644433430717254

Out: 0.002+/-0.000 χ^2/NDF:27887375469924741

All: -0.000+/-0.000 χ^2/NDF: 5553124938192

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.777+/-0.000 χ^2/NDF: 318225939198039431740241687347 2.0/20

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812436 48.0/24

Right Out: -921.087+/-0.000 χ^2/NDF: 1287289408902968761186705756805 8703872.0/26

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855 72352.0/22

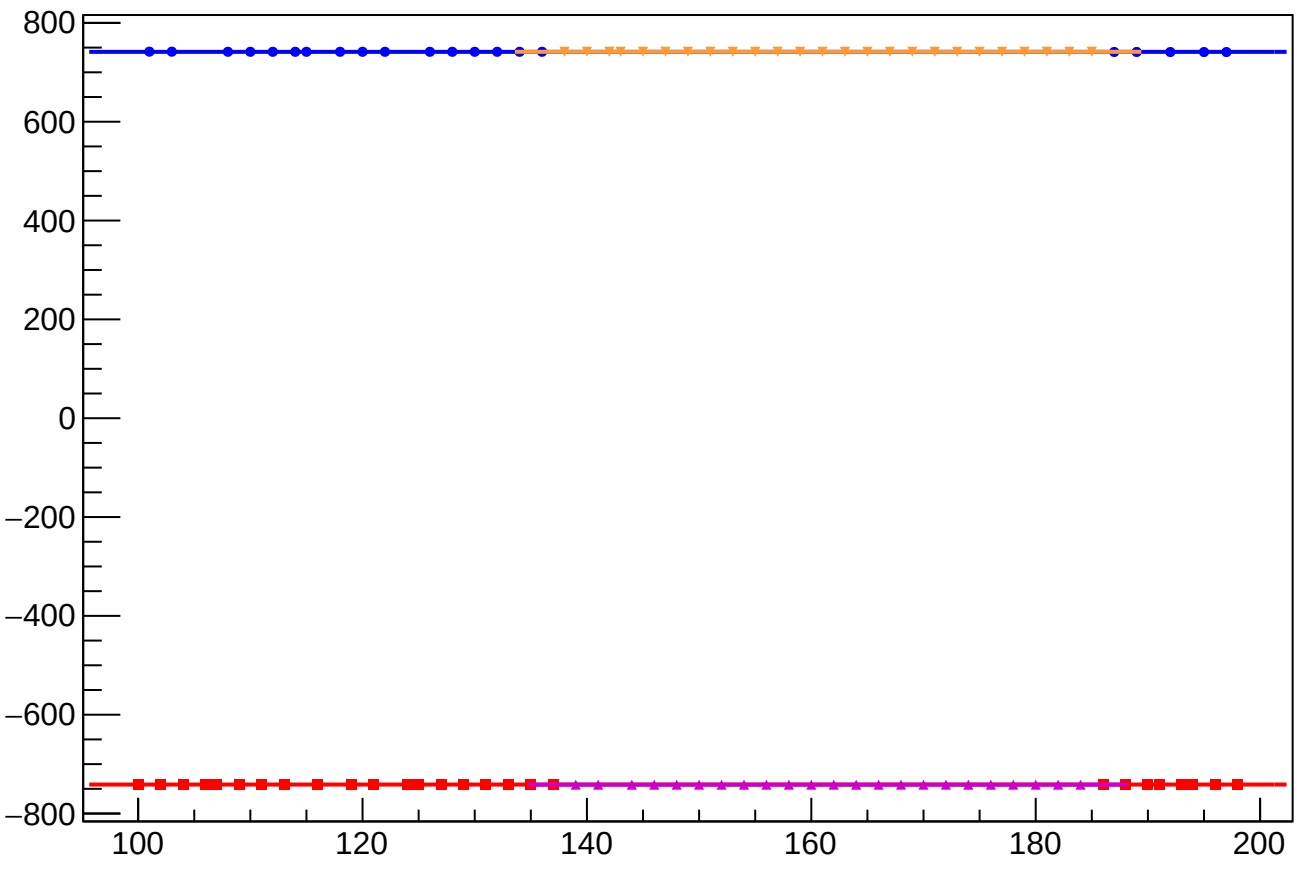
Left: 27.548+/-0.000 χ^2/NDF: 335355180821936 32

Right: -78.947+/-0.000 χ^2/NDF: 205228013743417

In: -244.554+/-0.000 χ^2/NDF:239425461816772 5

Out: 195.904+/-0.000 χ^2/NDF:272275979800866 9

All: -12.825+/-0.000 χ^2/NDF: 542270358543



Right In: 741.405+/-0.000 χ^2/NDF: 700709779168412110514894667776000.0/20

Left Out: 741.513+/-0.000 χ^2/NDF:2519763107681262962318896005120.0/24

Right Out: -741.366+/-0.000 χ^2/NDF: 91258337436408266636202111664128.0/26

Left In: -741.513+/-0.000 χ^2/NDF:234703983030085423185895882752.0/22

Left: 21.165+/-0.000 χ^2/NDF: 21558191183425632

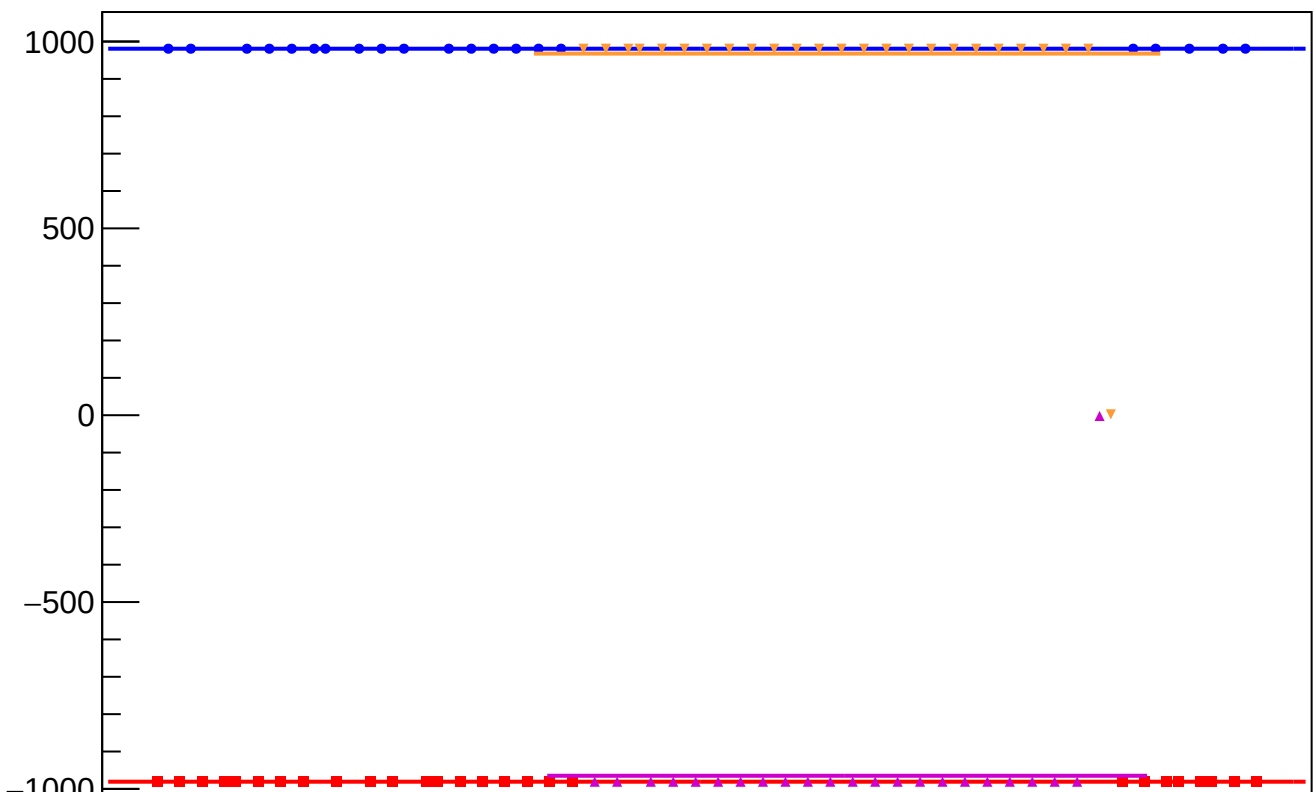
Right: -67.436+/-0.000 χ^2/NDF: 130606478069131

In: -202.315+/-0.000 χ^2/NDF:1524009831974663

Out: 158.619+/-0.000 χ^2/NDF:1744281602079855

All: -12.425+/-0.000 χ^2/NDF: 347356193152

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.808+/-0.000 χ^2/NDF: 135321444574822124986372089446 4.0/20

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369 2672.0/24

Right Out: -980.776+/-0.000 χ^2/NDF: 6337044260494635835977530710425 6.0/26

Left In: -964.854+/-0.000 χ^2/NDF:2921583896010307878411284562824501 6576.0/22

Left: 28.991+/-0.000 χ^2/NDF: 37154523356806808

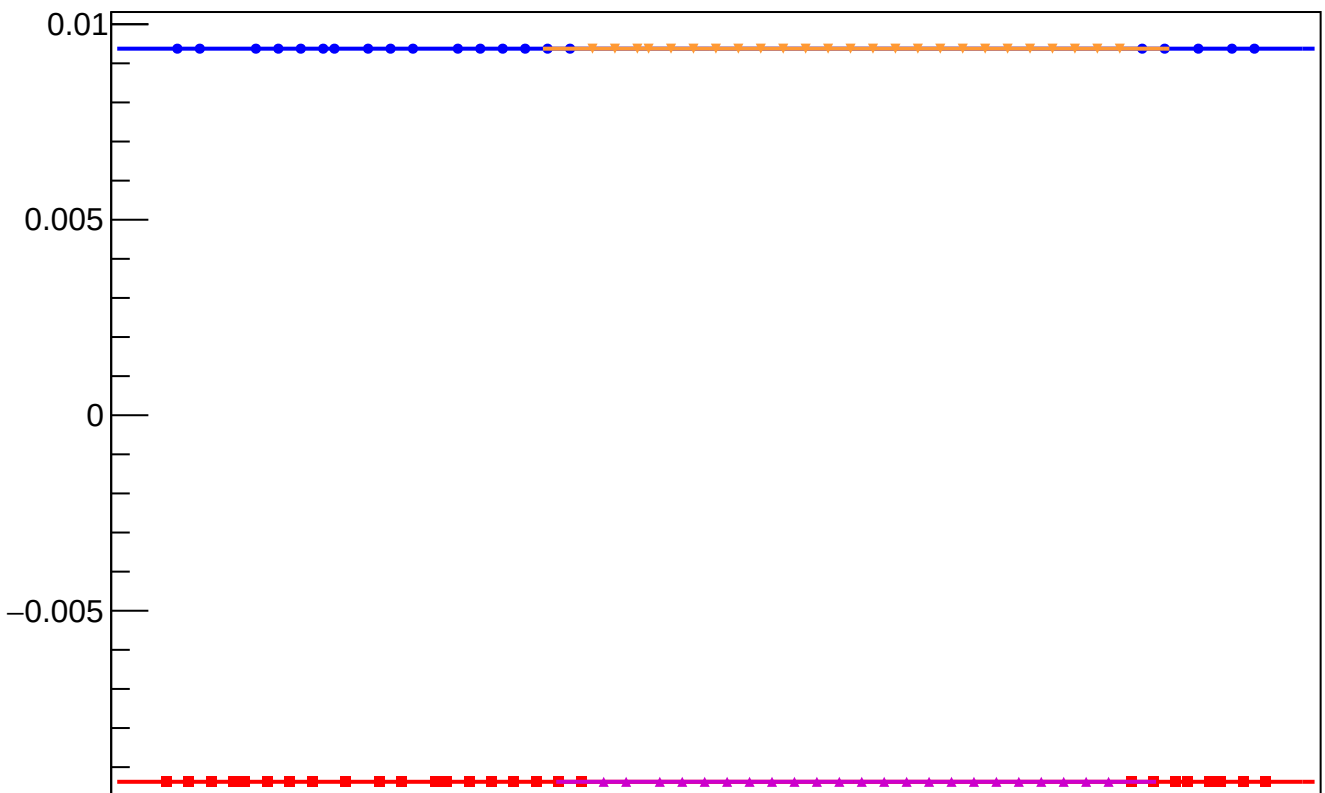
Right: -89.221+/-0.000 χ^2/NDF: 228575980879644

In: -257.399+/-0.000 χ^2/NDF:2652763637646252

Out: 201.774+/-0.000 χ^2/NDF:3037017911107326

All: -15.825+/-0.000 χ^2/NDF: 602200048273

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/20

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/26

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

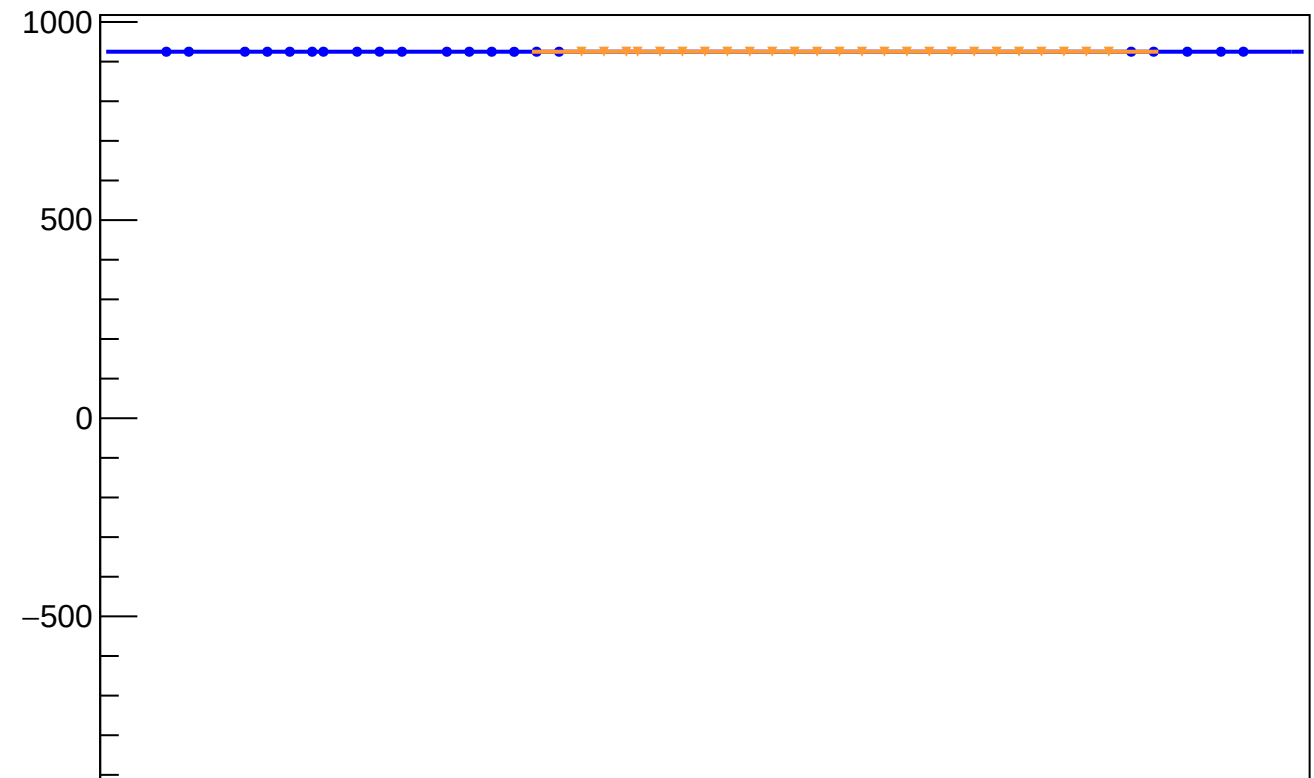
Right: -0.001+/-0.000 χ^2/NDF: 2088426511633969

In: -0.003+/-0.000 χ^2/NDF:243644433430717254

Out: 0.002+/-0.000 χ^2/NDF:27887375469924741

All: -0.000+/-0.000 χ^2/NDF: 5553124938192

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.983+/-0.000 χ^2/NDF: 3222916970360606124249096126464.0/20

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: -924.991+/-0.000 χ^2/NDF: 181675493149963631516807331840 0.0/26

Left In: -924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

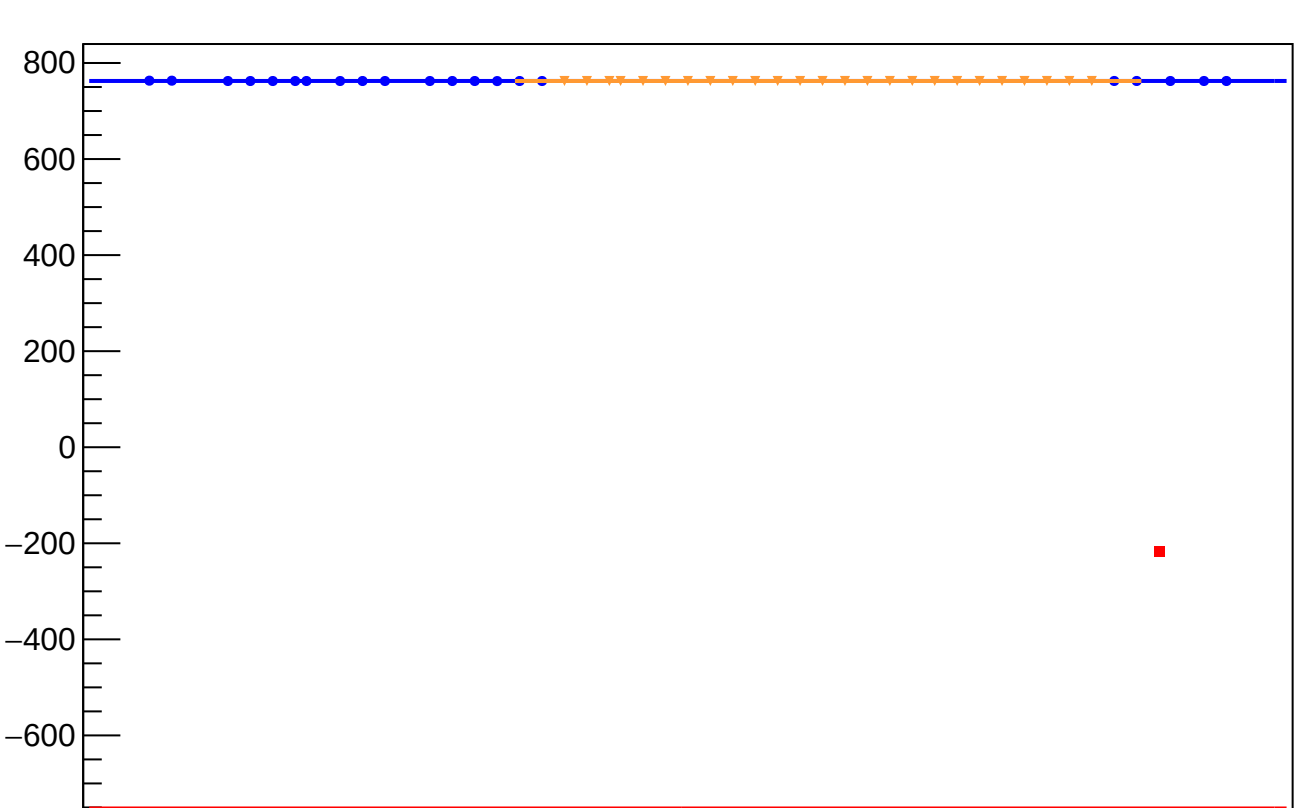
Left: 26.401+/-0.000 χ^2/NDF: 33546151426363744

Right: -84.164+/-0.000 χ^2/NDF: 203304972247673

In: -252.324+/-0.000 χ^2/NDF:2371818069978723

Out: 197.790+/-0.000 χ^2/NDF:2714792657218660

All: -15.516+/-0.000 χ^2/NDF: 540585089592



Right In: 762.588+/-0.000 χ^2/NDF: 535090135553968030519126791290880/20

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: -752.154+/-0.000 χ^2/NDF: 729749036773340497360556349525170585 6.0/26

Left In: -762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

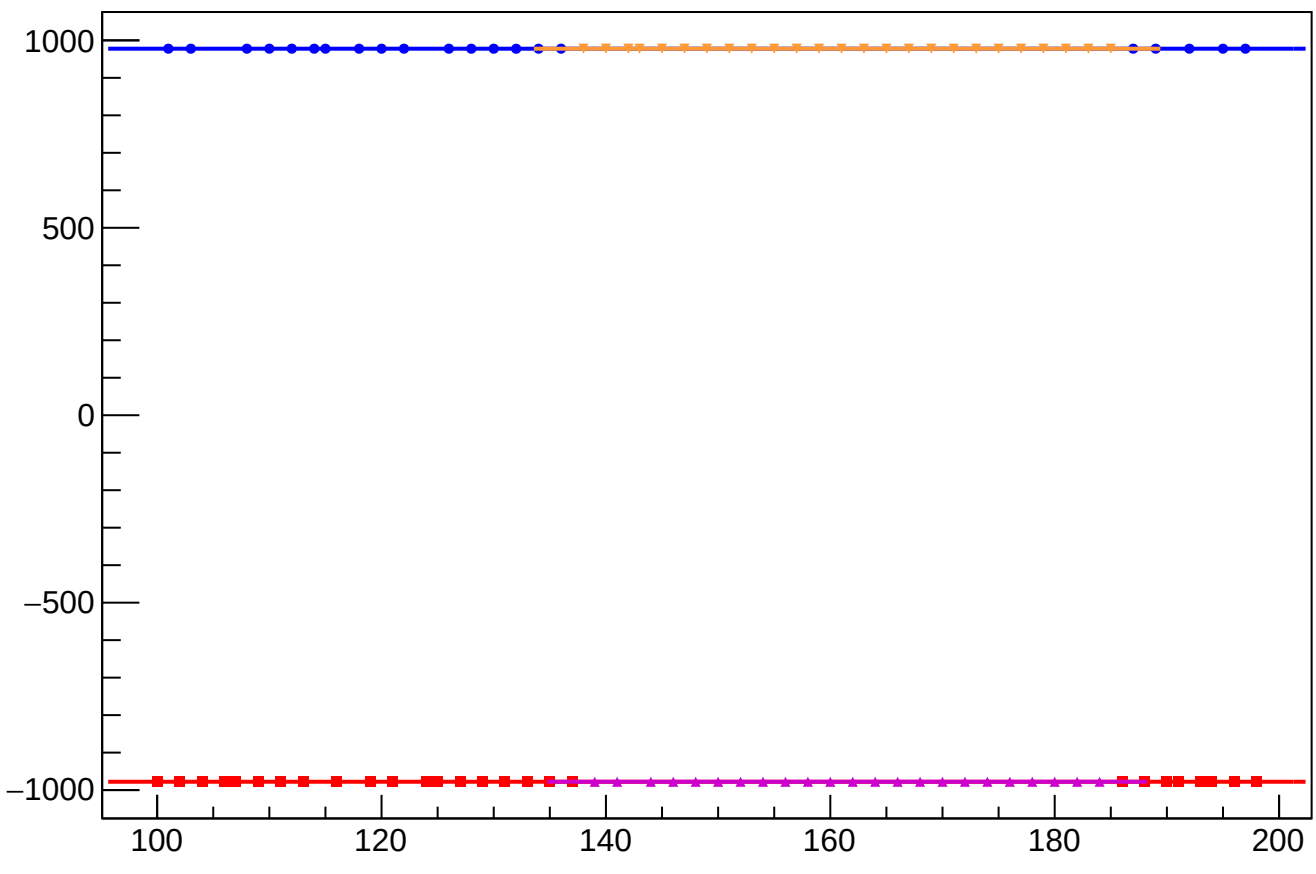
Left: 21.764+/-0.000 χ^2/NDF: 22796901664040585

Right: -63.692+/-0.000 χ^2/NDF: 1370290752542063

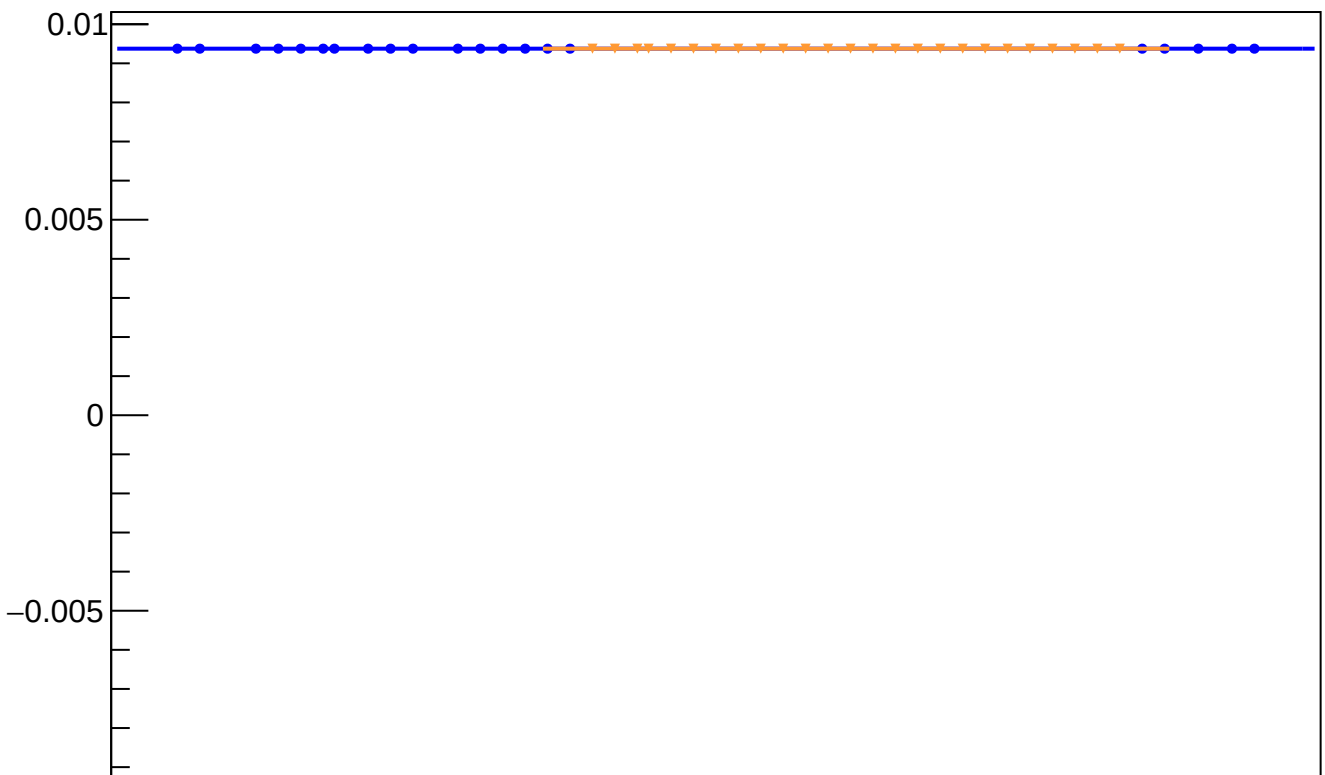
In: -207.981+/-0.000 χ^2/NDF:1611959901618495

Out: 167.127+/-0.000 χ^2/NDF:1827175862334711

All: -10.634+/-0.000 χ^2/NDF: 366084483943


HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
120
140
160
180
200
Left: 27.908+/-0.000 χ²/NDF: 3748164275708314
Right In: 977.754+/-0.000 χ²/NDF: 2103294130386855254457434767360.0/20
Right: -88.960+/-0.000 χ²/NDF: 227161685511742
Left Out: 977.738+/-0.000 χ²/NDF:1178407872566336572325000904704.0/24
In: -266.708+/-0.000 χ²/NDF:2650115777485095
Right Out: -977.752+/-0.000 χ²/NDF: 27351176692807969547394922577792.0/26
Out: 209.068+/-0.000 χ²/NDF:303330574603767
Left In: -977.735+/-0.000 χ²/NDF:109676643760541725462707254067 2.0/22
All: -16.398+/-0.000 χ²/NDF: 604009951978

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/20

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/26

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

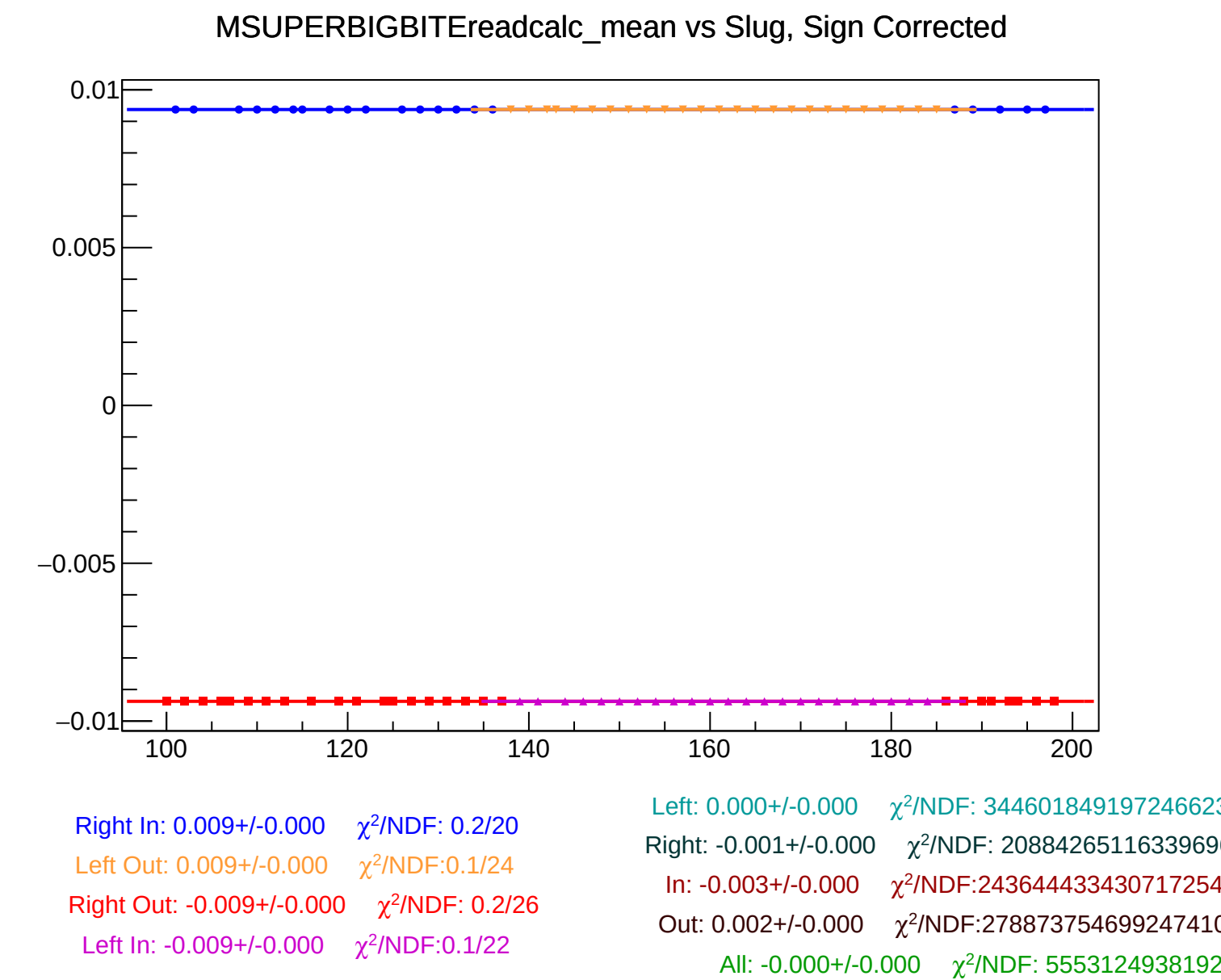
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.001+/-0.000 χ^2/NDF: 2088426511633969

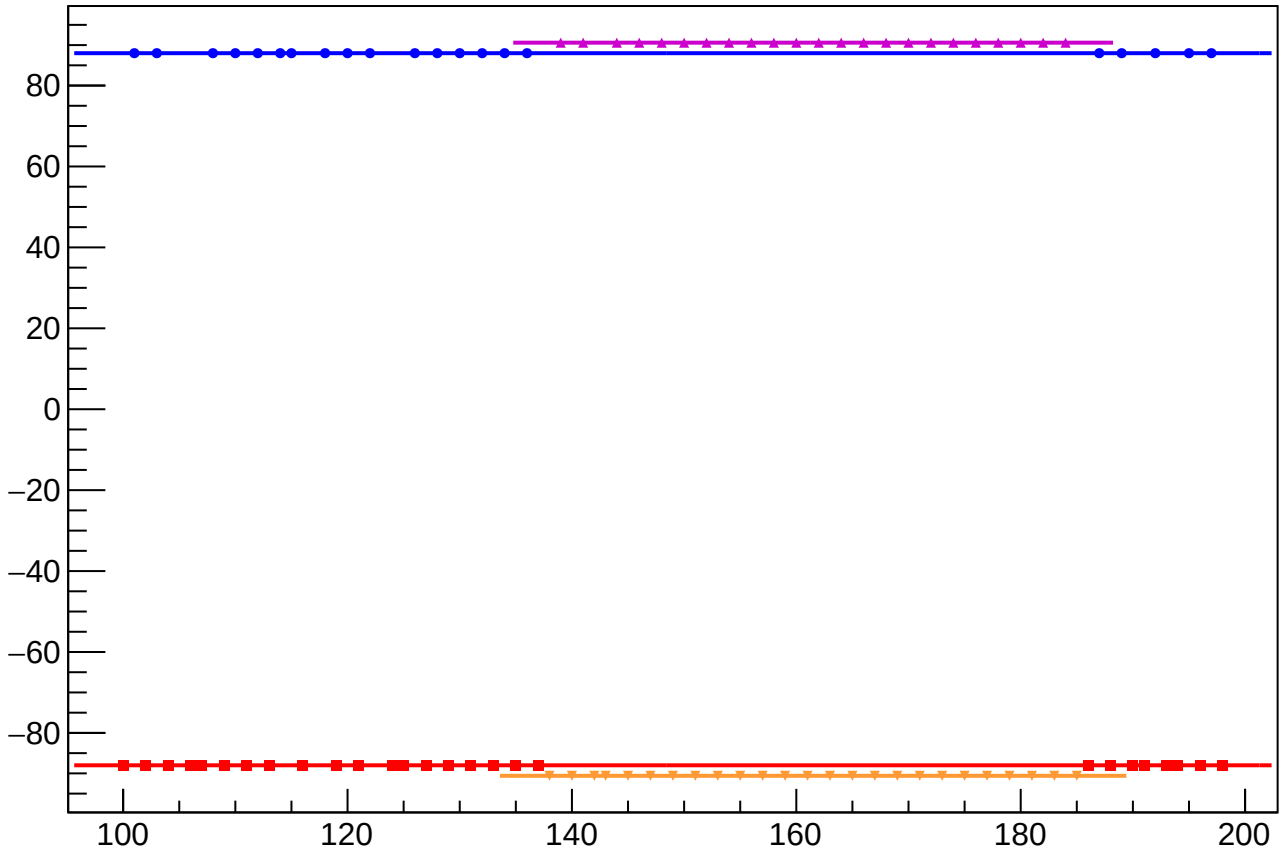
In: -0.003+/-0.000 χ^2/NDF:243644433430717254

Out: 0.002+/-0.000 χ^2/NDF:27887375469924741

All: -0.000+/-0.000 χ^2/NDF: 5553124938192


MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
120
140
160
180
200
Right In: 0.009+/-0.000 χ²/NDF: 0.2/20
Left Out: 0.009+/-0.000 χ²/NDF:0.1/24
Right Out: -0.009+/-0.000 χ²/NDF: 0.2/26
Left In: -0.009+/-0.000 χ²/NDF:0.1/22
Left: 0.000+/-0.000 χ²/NDF: 344601849197246623
Right: -0.001+/-0.000 χ²/NDF: 2088426511633969
In: -0.003+/-0.000 χ²/NDF:243644433430717254
Out: 0.002+/-0.000 χ²/NDF:27887375469924741
All: -0.000+/-0.000 χ²/NDF: 5553124938192

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 2397733.3/20

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: -88.002+/-0.000 χ^2/NDF: 7554841857630942915471186329 6.0/26

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

Right: -8.008+/-0.000 χ^2/NDF: 1840164805607221

In: 89.654+/-0.000 χ^2/NDF:467983701870453329

Out: -89.578+/-0.000 χ^2/NDF:5350080184321438

All: -4.641+/-0.000 χ^2/NDF: 5062824204218

HWienAngle_mean vs Slug, Sign Corrected

Right In: -29.263+/-0.000 χ^2/NDF: 116738600047226666649076602660454 4.0/20

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: 29.321+/-0.000 χ^2/NDF: 122053274001531120721763393916108 8.0/26

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

Left: -0.846+/-0.000 χ^2/NDF: 3444705147343189 2

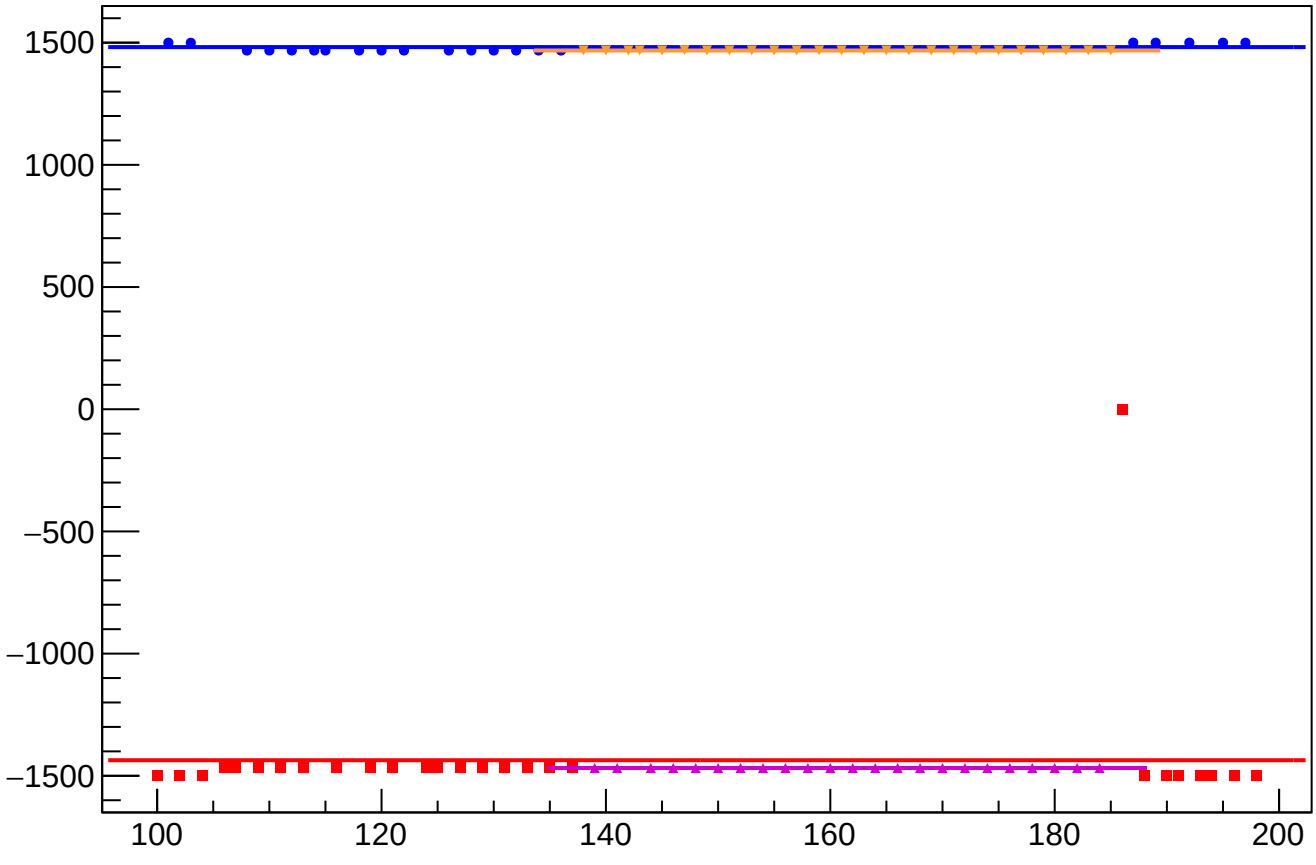
Right: 2.694+/-0.000 χ^2/NDF: 2041172190487823 7

In: 8.223+/-0.000 χ^2/NDF:240573482834733649 0

Out: -6.464+/-0.000 χ^2/NDF:27589008658267392

All: 0.496+/-0.000 χ^2/NDF: 5504521655637 2

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1481.946+/-0.000 χ^2/NDF: 27359999079316173084139672480566476 8.0/20

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

Right Out: -1436.266+/-0.000 χ^2/NDF: 898398176612450565124347093001500098 56.0/26

Left In: -1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22

Left: 41.929+/-0.000 χ^2/NDF: 84496793302930950

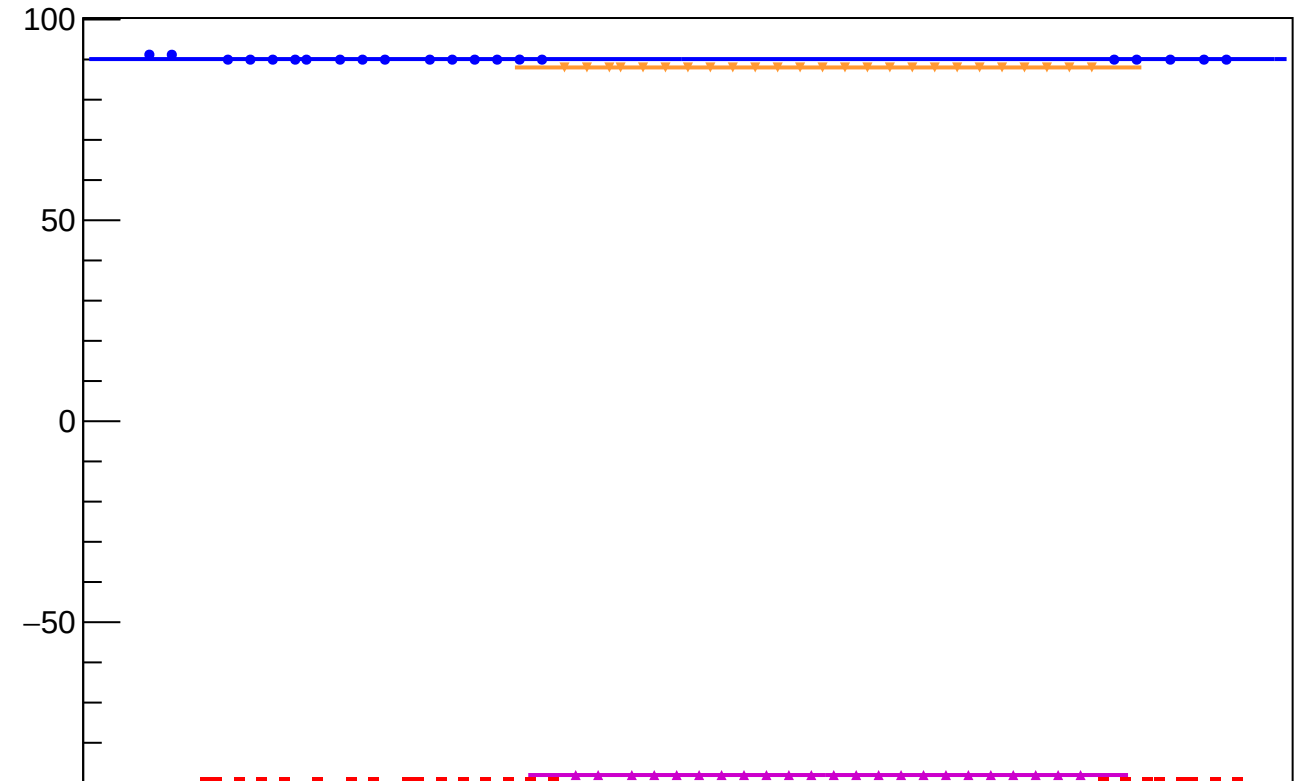
Right: -109.917+/-0.000 χ^2/NDF: 5148947781171 0

In: -395.378+/-0.000 χ^2/NDF:6031148356666056

Out: 326.414+/-0.000 χ^2/NDF:678087047935075 9

All: -15.638+/-0.000 χ^2/NDF: 136329279058

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.105+/-0.000 χ^2/NDF: 17080004679637834068245888158924 8.0/20

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: -90.082+/-0.000 χ^2/NDF: 178773352104077342282427062550528.0/26

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 303769885681723848

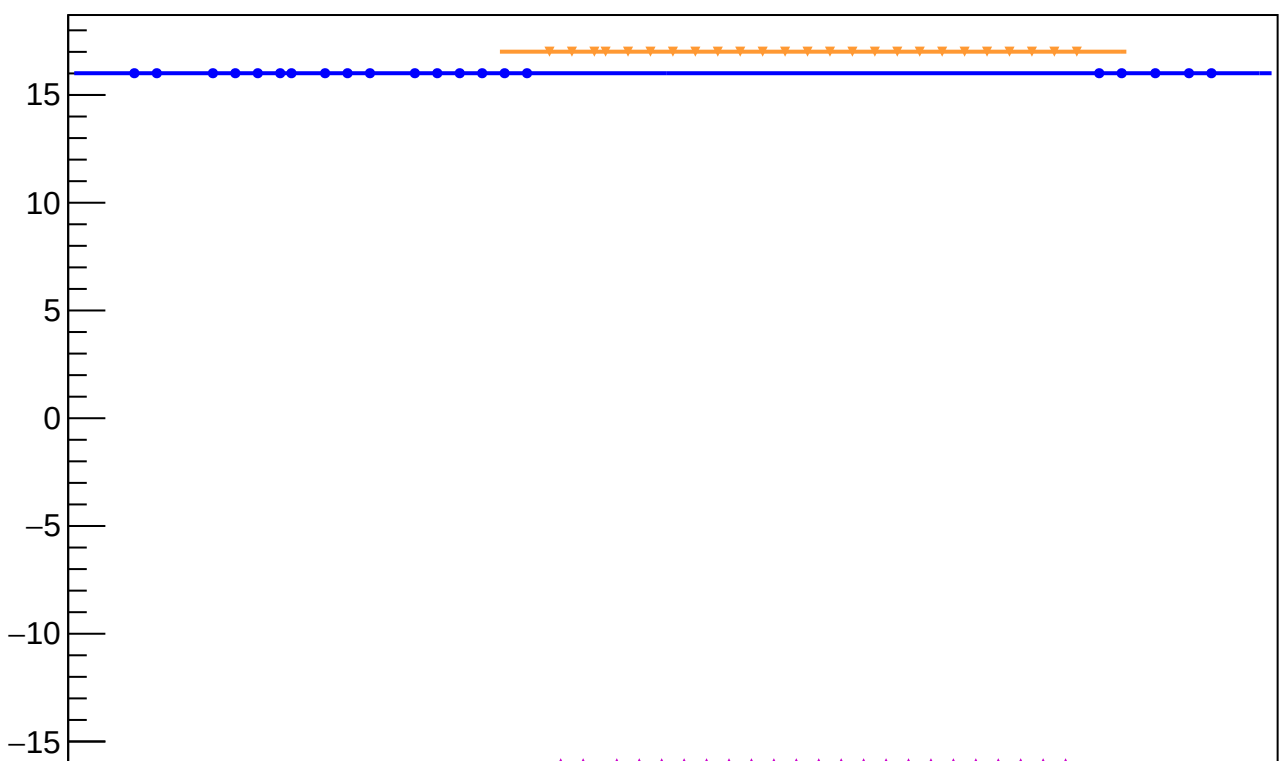
Right: -8.186+/-0.000 χ^2/NDF: 1928713465919008

In: -23.253+/-0.000 χ^2/NDF:21989141910532906

Out: 18.012+/-0.000 χ^2/NDF:25162145327361640

All: -1.543+/-0.000 χ^2/NDF: 4983437992235

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 309258.7/20

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: -17.009+/-0.000 χ^2/NDF: 1735010593835772582821888O.0/26

Left In: -16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

Left: 0.967+/-0.000 χ^2/NDF: 991588108006867686

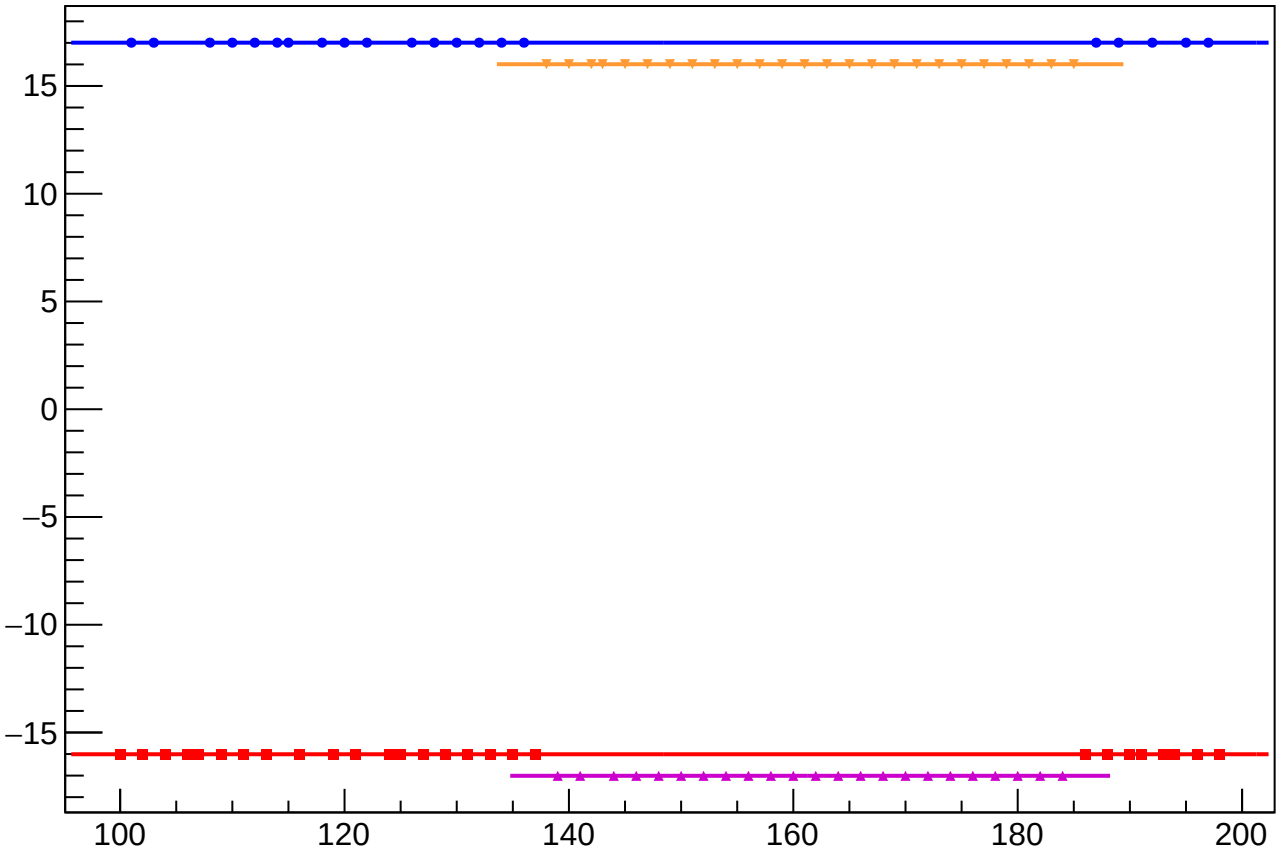
Right: -1.850+/-0.000 χ^2/NDF: 6191725074465310

In: -4.083+/-0.000 χ^2/NDF:675508401166044146

Out: 3.474+/-0.000 χ^2/NDF:861958502327702000

All: -0.120+/-0.000 χ^2/NDF: 1621906210608

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 230852.3/20

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: -16.009+/-0.000 χ^2/NDF: 332798.3/26

Left In: -17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

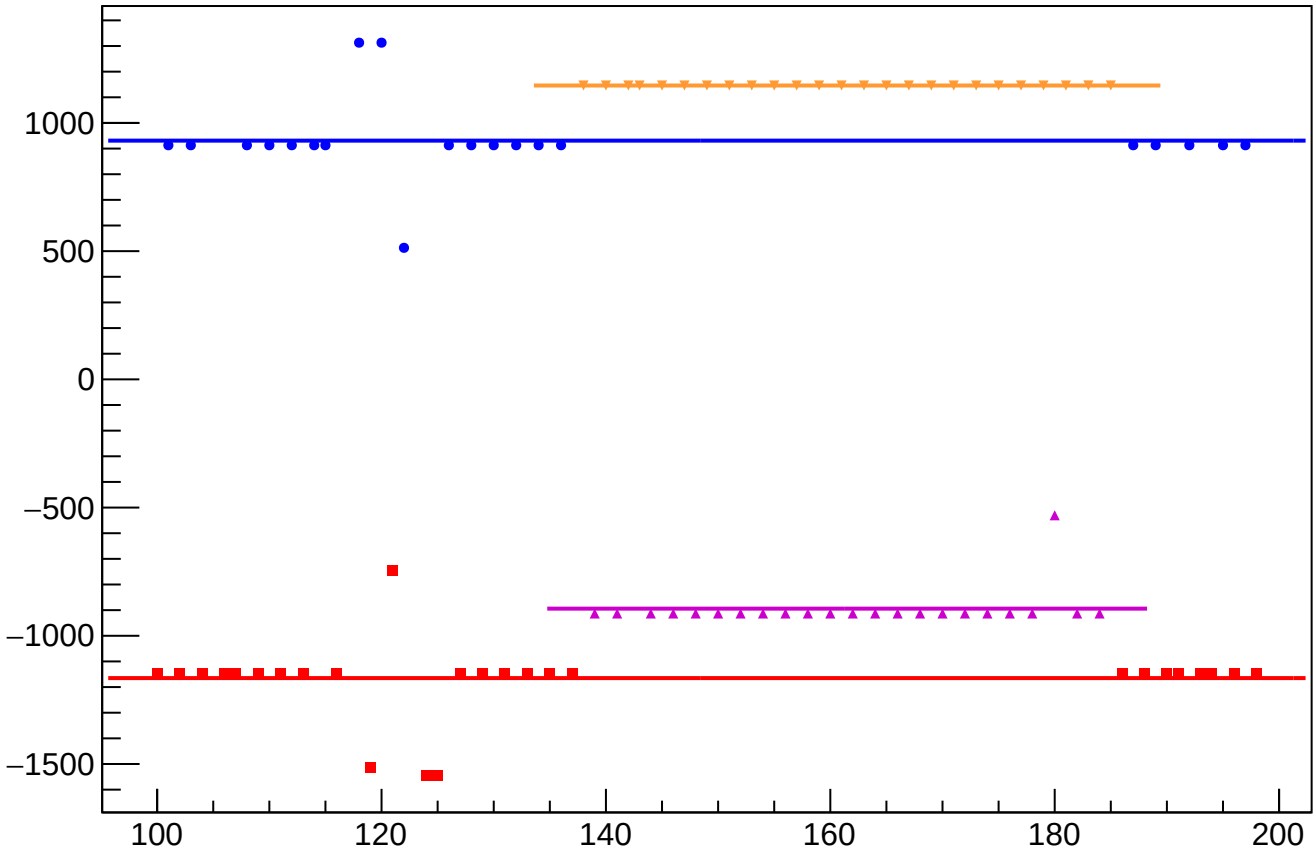
Right: -1.236+/-0.000 χ^2/NDF: 6355860119669911

In: -4.697+/-0.000 χ^2/NDF:779046723176770984

Out: 3.348+/-0.000 χ^2/NDF:807582435190640834

All: -0.429+/-0.000 χ^2/NDF: 1686731407624

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Right In: 930.993+/-0.000 χ^2/NDF: 212486107296136865461603395590894387 20.0/20

Left Out: 1146.020+/-0.000 χ^2/NDF:3703071297941871459906430697472.0/24

Right Out: -1164.985+/-0.000 χ^2/NDF: 22475766099128152402519712961073774592.0/26

Left In: -894.107+/-0.000 χ^2/NDF:131072382992117127838961838029642137 60.0/22

Left: 155.071+/-0.000 χ^2/NDF: 4092819151469536

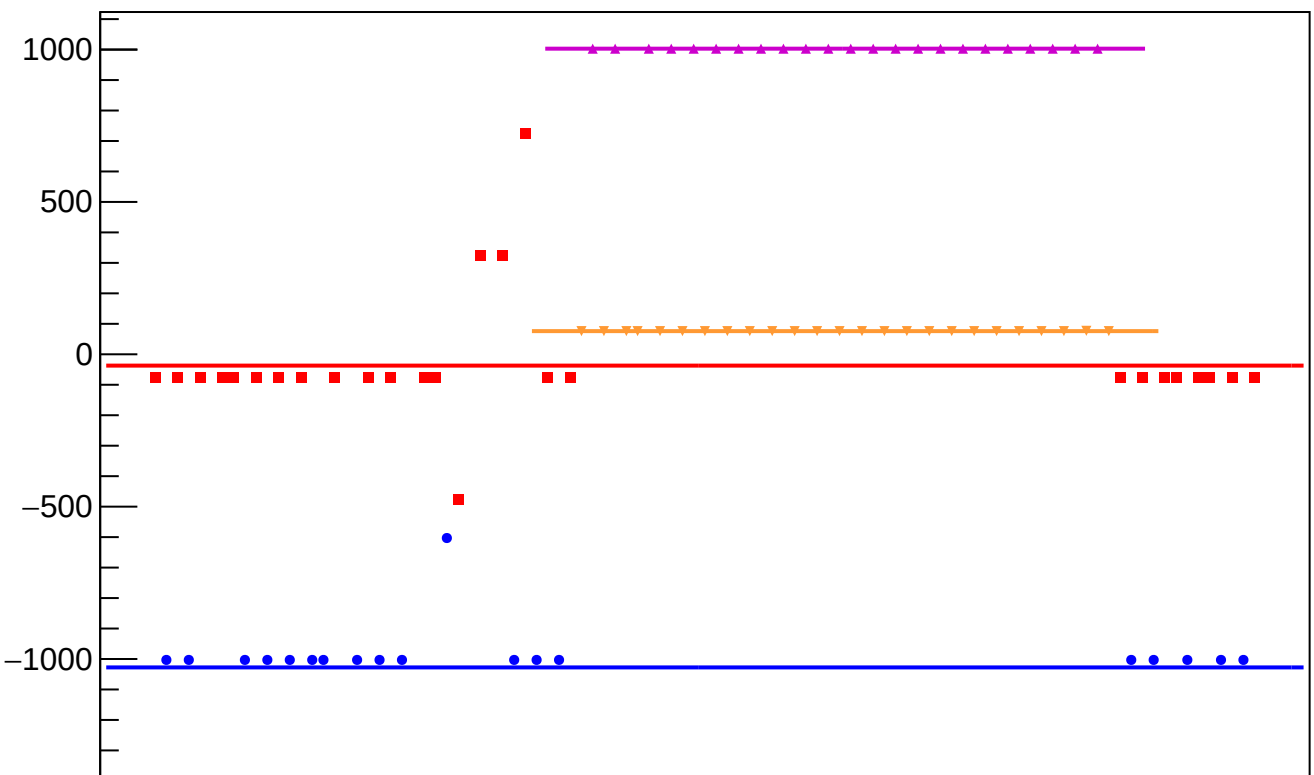
Right: -212.347+/-0.000 χ^2/NDF: 265342121707538

In: -230.490+/-0.000 χ^2/NDF:2342842875266941

Out: 237.604+/-0.000 χ^2/NDF:4258971182971150

All: 15.778+/-0.000 χ^2/NDF: 6947066616730

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 526.293+/-0.000 χ^2/NDF: 8422008663429018

Right In: -1027.599+/-0.000 χ^2/NDF: 2318010356868973575220724887643278540 8.0/20

Right: -487.313+/-0.000 χ^2/NDF: 65340276630128

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

In: 264.655+/-0.000 χ^2/NDF:2880758045744632

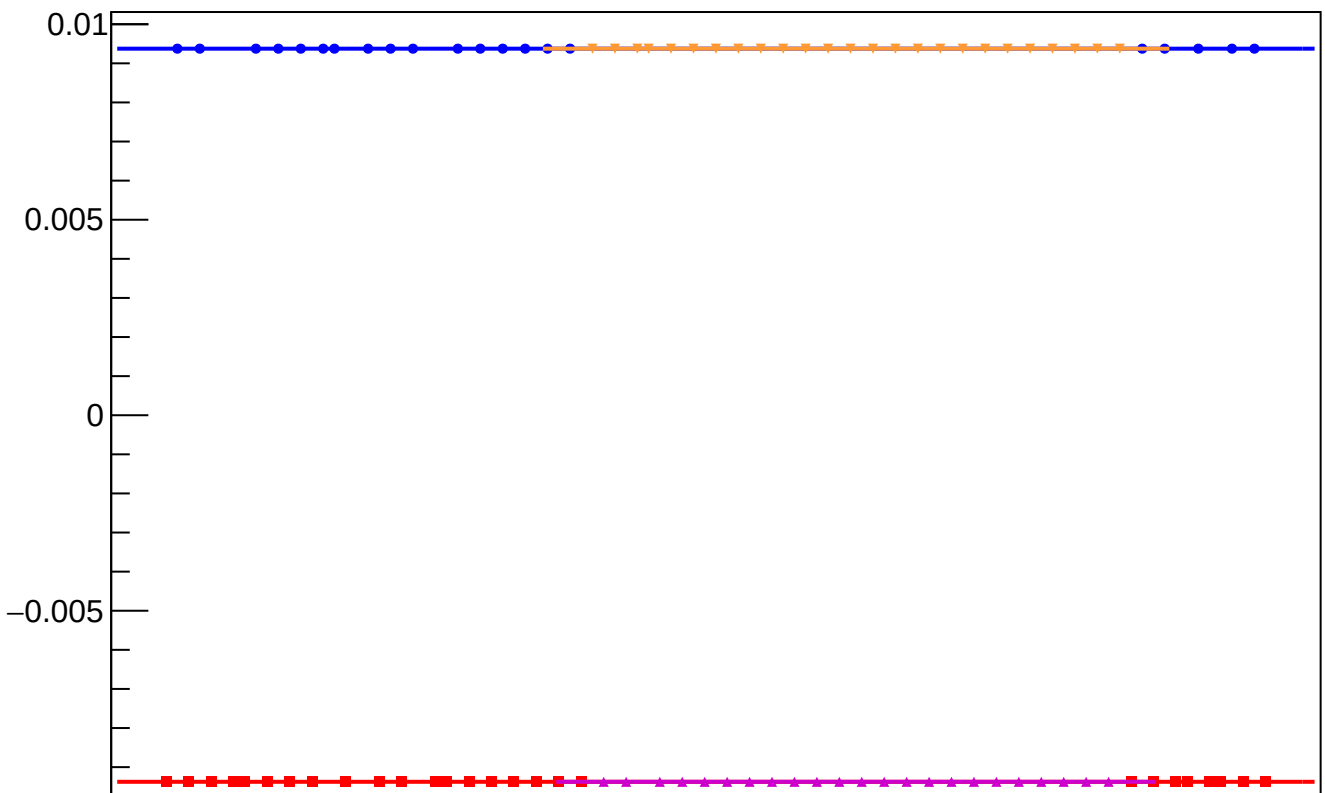
Right Out: -37.142+/-0.000 χ^2/NDF: 4746524582822622588247537282518194585 6.0/26

Out: 31.558+/-0.000 χ^2/NDF:5762923241868119

Left In: 1002.990+/-0.000 χ^2/NDF:2951955903348314753097269248.0/22

All: 142.021+/-0.000 χ^2/NDF: 3024001843

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/20

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/26

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

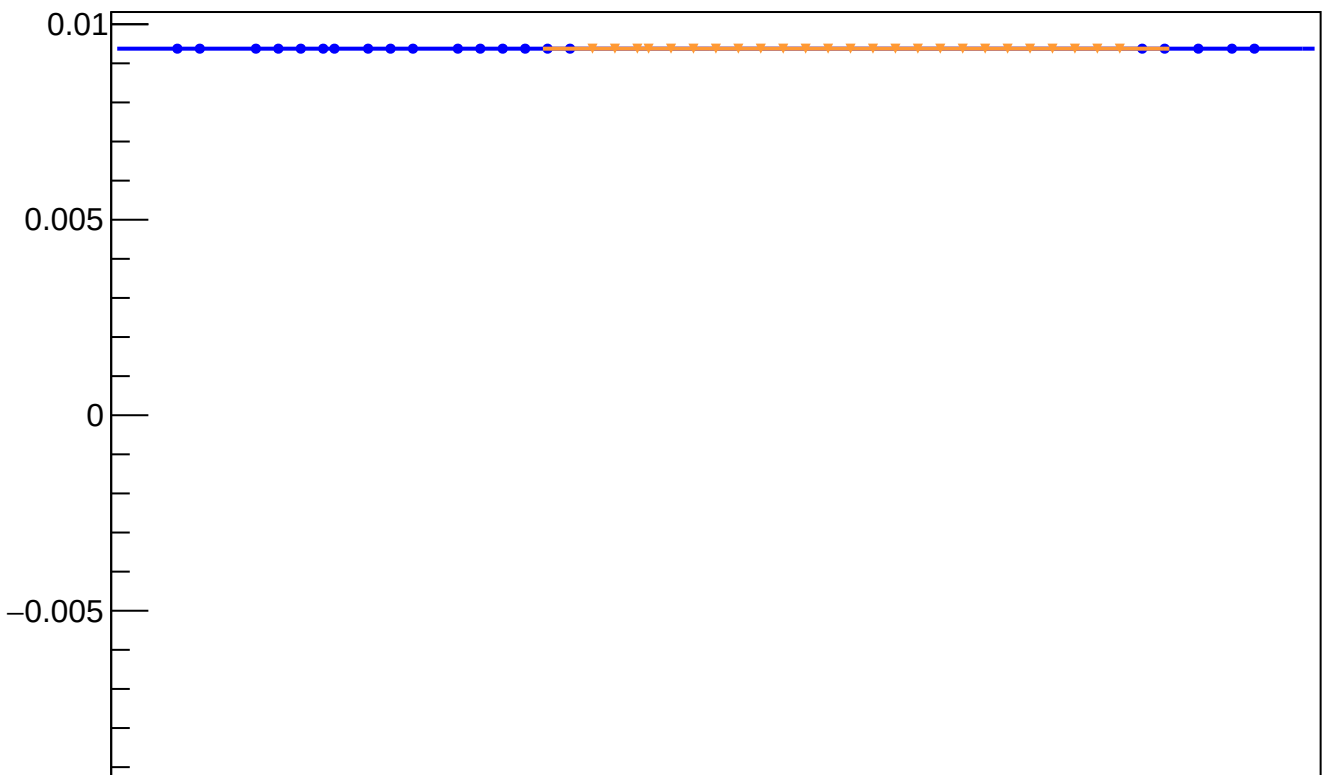
Right: -0.001+/-0.000 χ^2/NDF: 2088426511633969

In: -0.003+/-0.000 χ^2/NDF:243644433430717254

Out: 0.002+/-0.000 χ^2/NDF:27887375469924741

All: -0.000+/-0.000 χ^2/NDF: 5553124938192

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/20

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/26

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: 2088426511633969

In: -0.003+/-0.000 χ^2/NDF:243644433430717254

Out: 0.002+/-0.000 χ^2/NDF:27887375469924741

All: -0.000+/-0.000 χ^2/NDF: 5553124938192