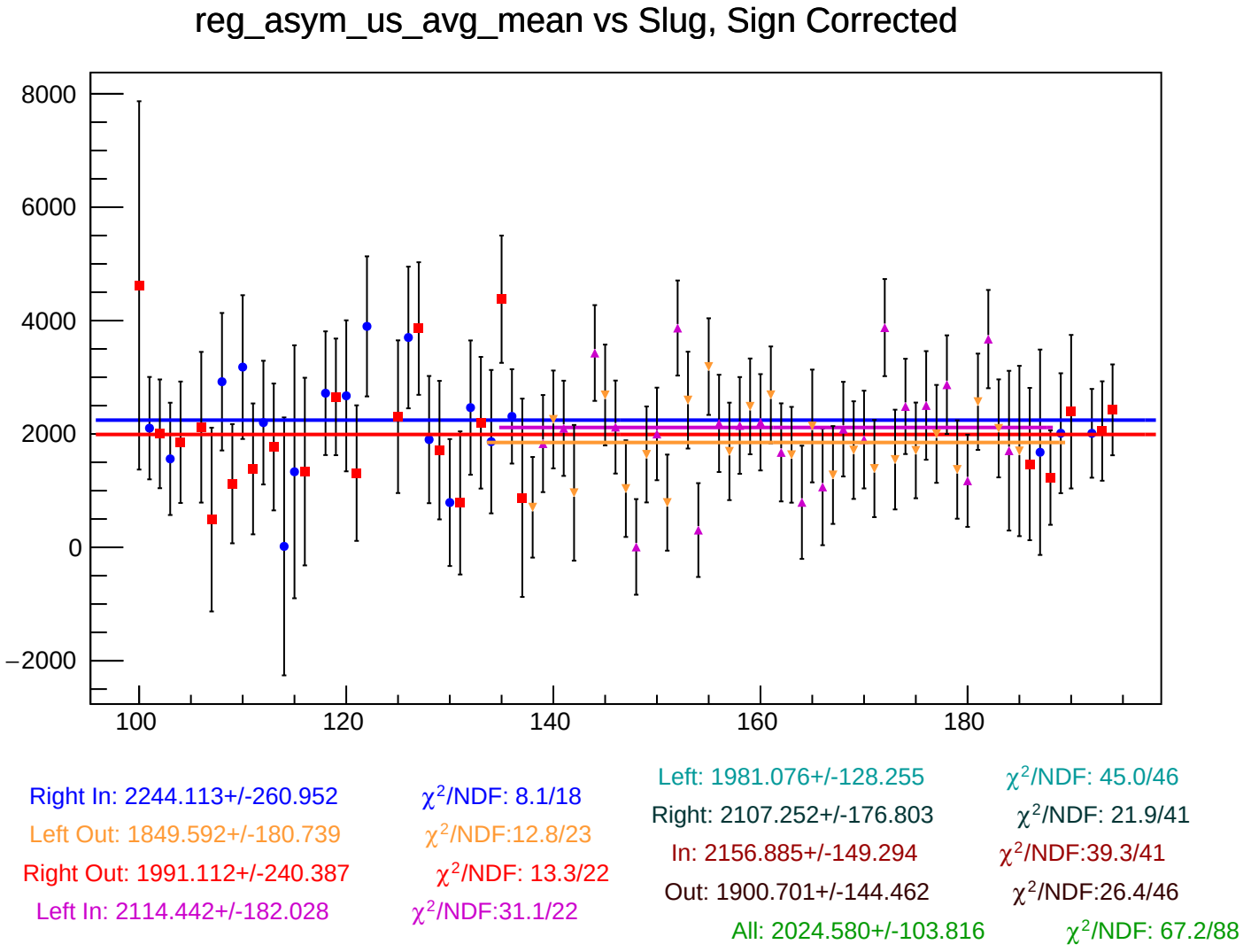
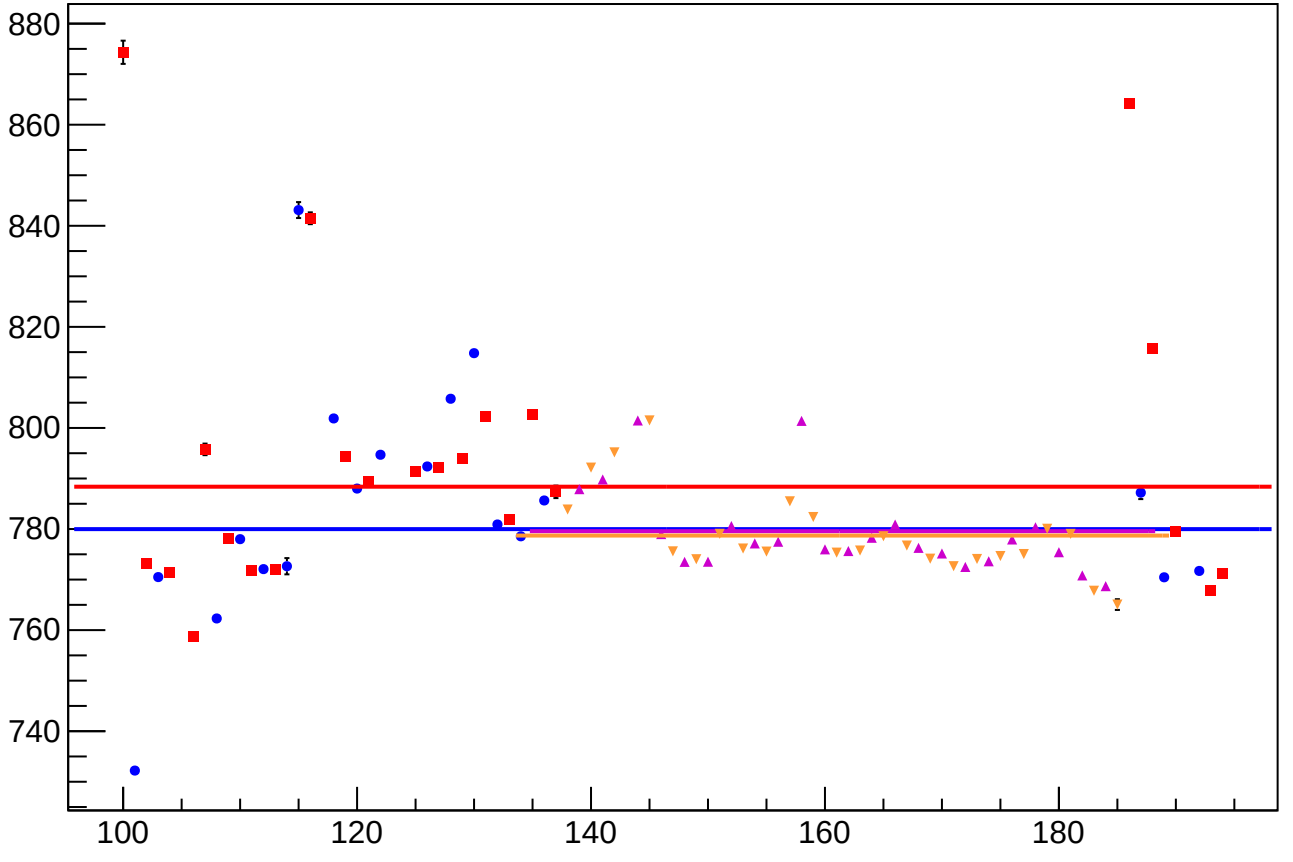

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
Right In: 2244.113+/-260.952
χ²/NDF: 8.1/18
Left Out: 1849.592+/-180.739
χ²/NDF:12.8/23
Right Out: 1991.112+/-240.387
χ²/NDF: 13.3/22
Left In: 2114.442+/-182.028
χ²/NDF:31.1/22
Left: 1981.076+/-128.255
χ²/NDF: 45.0/46
Right: 2107.252+/-176.803
χ²/NDF: 21.9/41
In: 2156.885+/-149.294
χ²/NDF:39.3/41
Out: 1900.701+/-144.462
χ²/NDF:26.4/46
All: 2024.580+/-103.816
χ²/NDF: 67.2/88

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 779.983+/-0.185 χ^2/NDF: 12802.7/18

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

Right Out: 788.375+/-0.170 χ^2/NDF: 17945.1/22

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

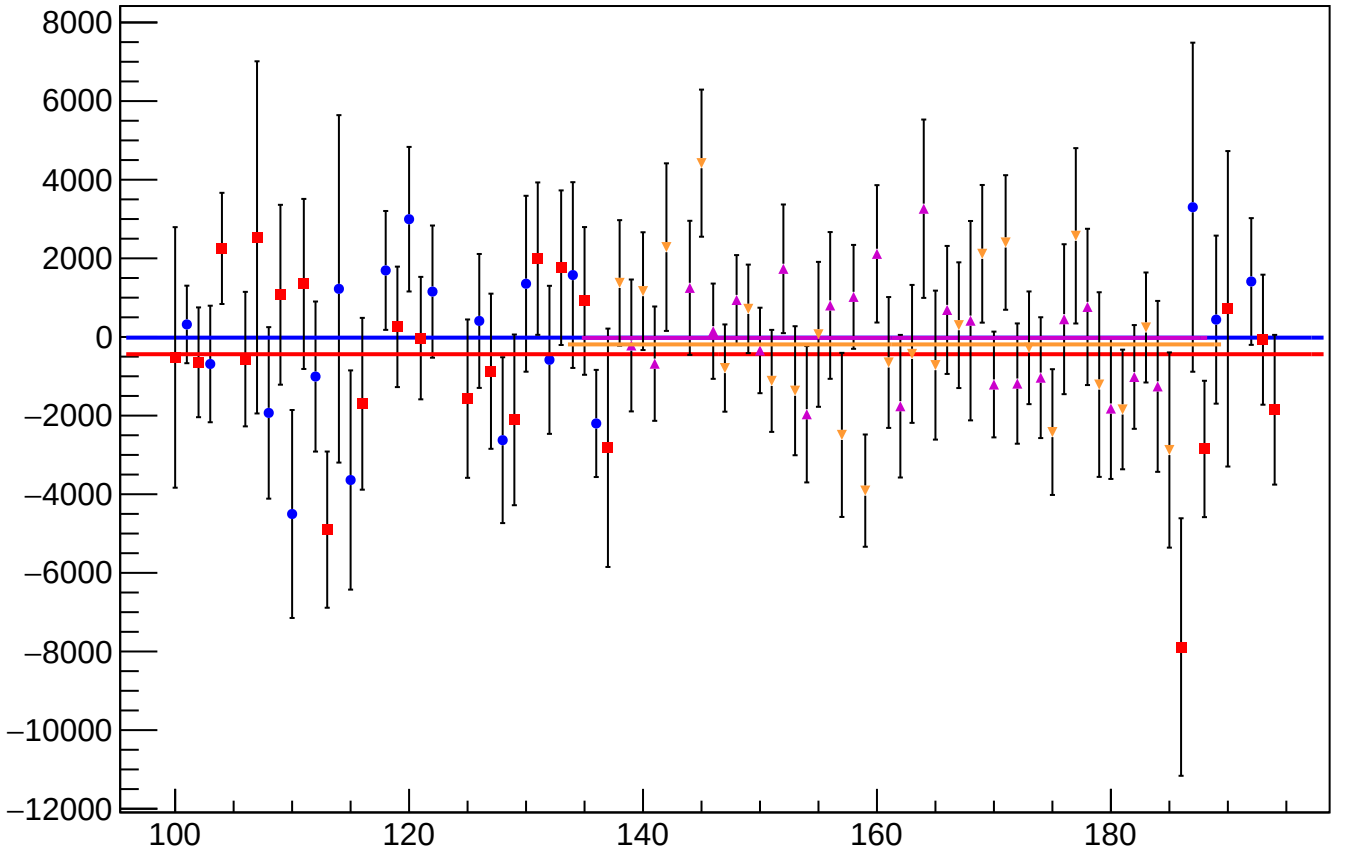
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 784.523+/-0.125 χ^2/NDF: 31867.0/41

In: 779.708+/-0.106 χ^2/NDF:16978.9/41

Out: 782.200+/-0.102 χ^2/NDF:23401.2/46

All: 780.995+/-0.073 χ^2/NDF: 40667.7/88



Right In: -16.897+/-414.940 χ^2/NDF: 17.0/18

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

Right Out: -438.453+/-409.493 χ^2/NDF: 23.6/22

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

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

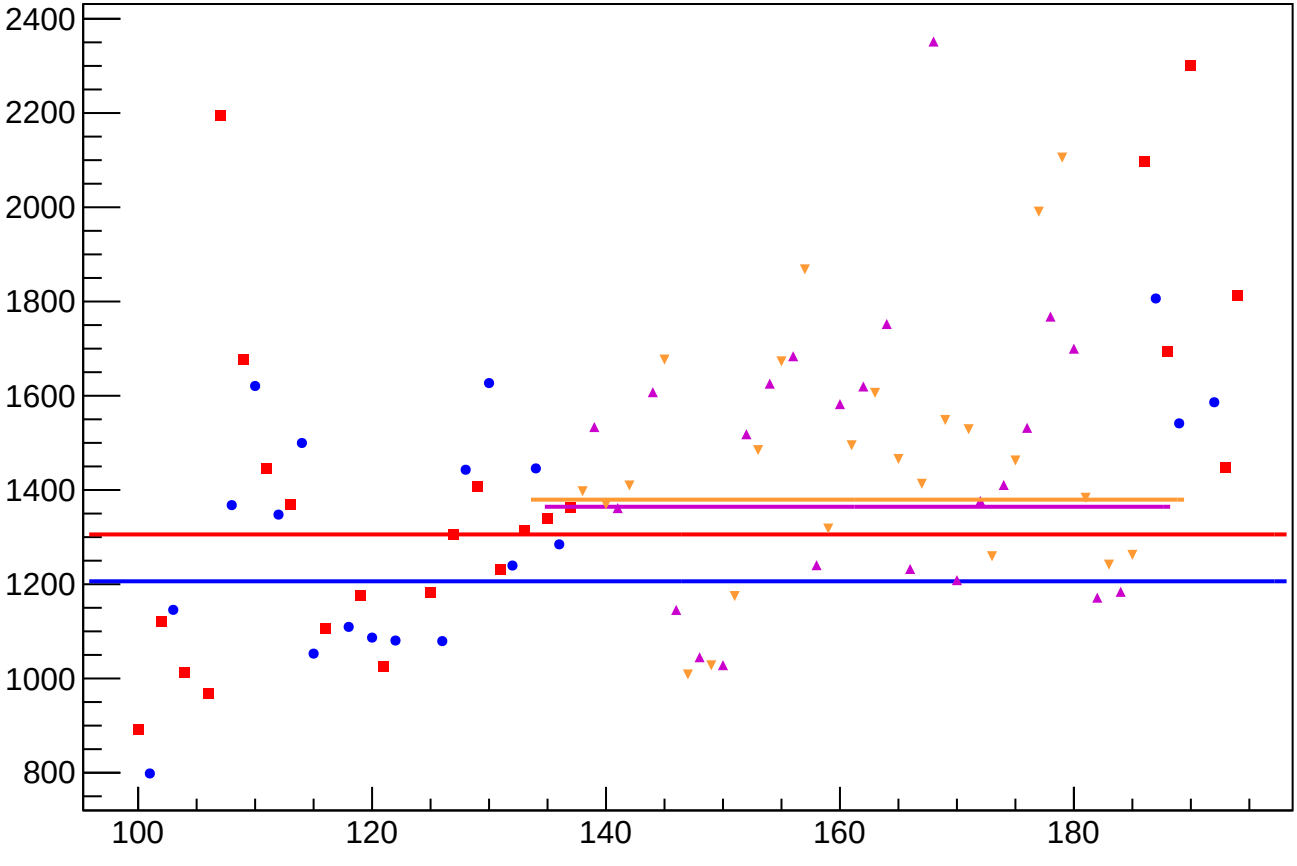
Right: -230.460+/-291.462 χ^2/NDF: 41.1/41

In: -21.137+/-256.254 χ^2/NDF:30.4/41

Out: -286.380+/-255.846 χ^2/NDF:53.4/46

All: -153.970+/-181.055 χ^2/NDF: 84.4/88

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1206.263+/-0.293 χ^2/NDF: 795561.1/18

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

Right Out: 1305.719+/-0.290 χ^2/NDF: 981483.7/22

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

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

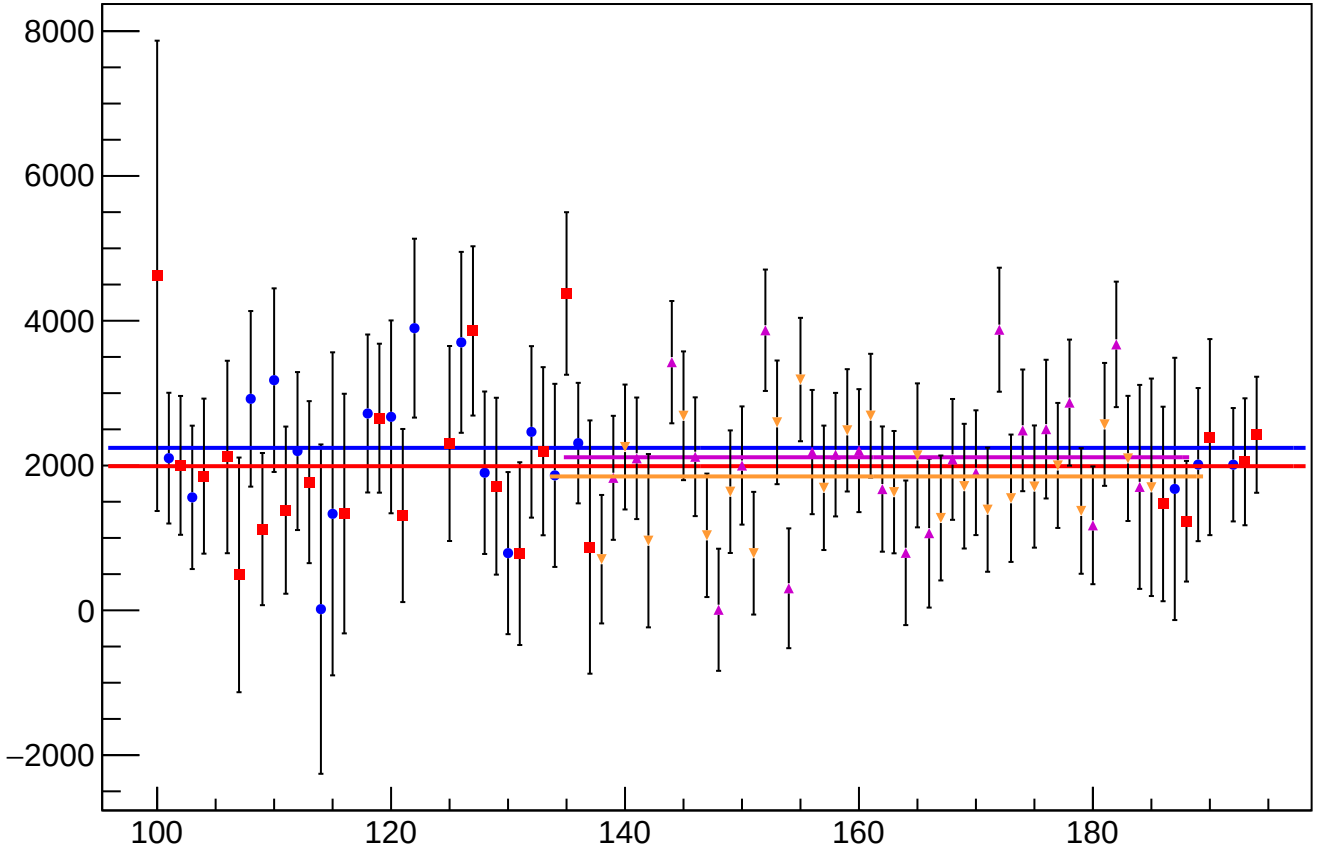
Right: 1256.648+/-0.206 χ^2/NDF: 1835253.8/41

In: 1304.095+/-0.181 χ^2/NDF:2287584.8/41

Out: 1350.721+/-0.181 χ^2/NDF:2179573.3/46

All: 1327.445+/-0.128 χ^2/NDF: 4500316.5/88

cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2244.113+/-260.952 χ^2/NDF: 8.1/18

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

Right Out: 1991.112+/-240.387 χ^2/NDF: 13.3/22

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

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

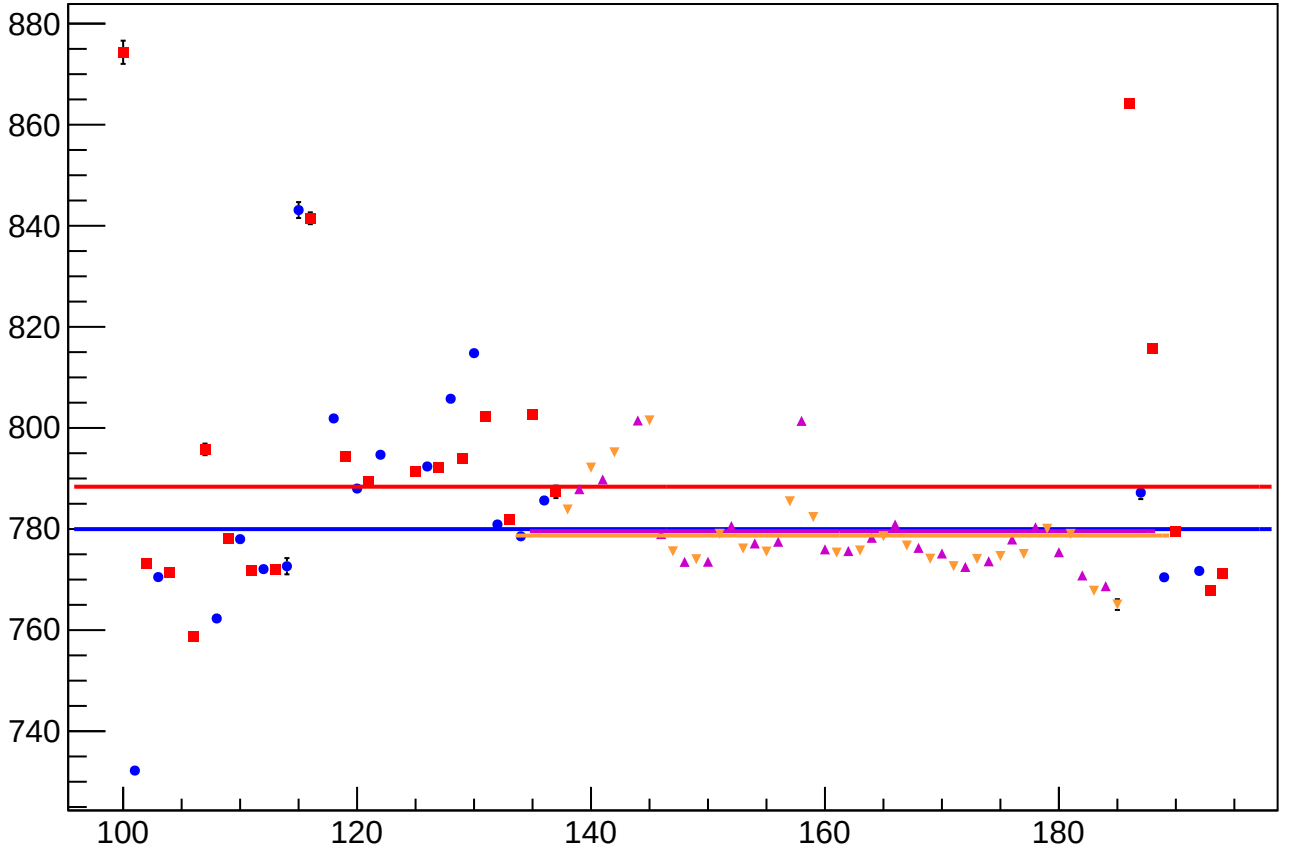
Right: 2107.252+/-176.803 χ^2/NDF: 21.9/41

In: 2156.885+/-149.294 χ^2/NDF:39.3/41

Out: 1900.701+/-144.462 χ^2/NDF:26.4/46

All: 2024.580+/-103.816 χ^2/NDF: 67.2/88

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 779.983+/-0.185 χ^2/NDF: 12802.7/18

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

Right Out: 788.375+/-0.170 χ^2/NDF: 17945.1/22

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

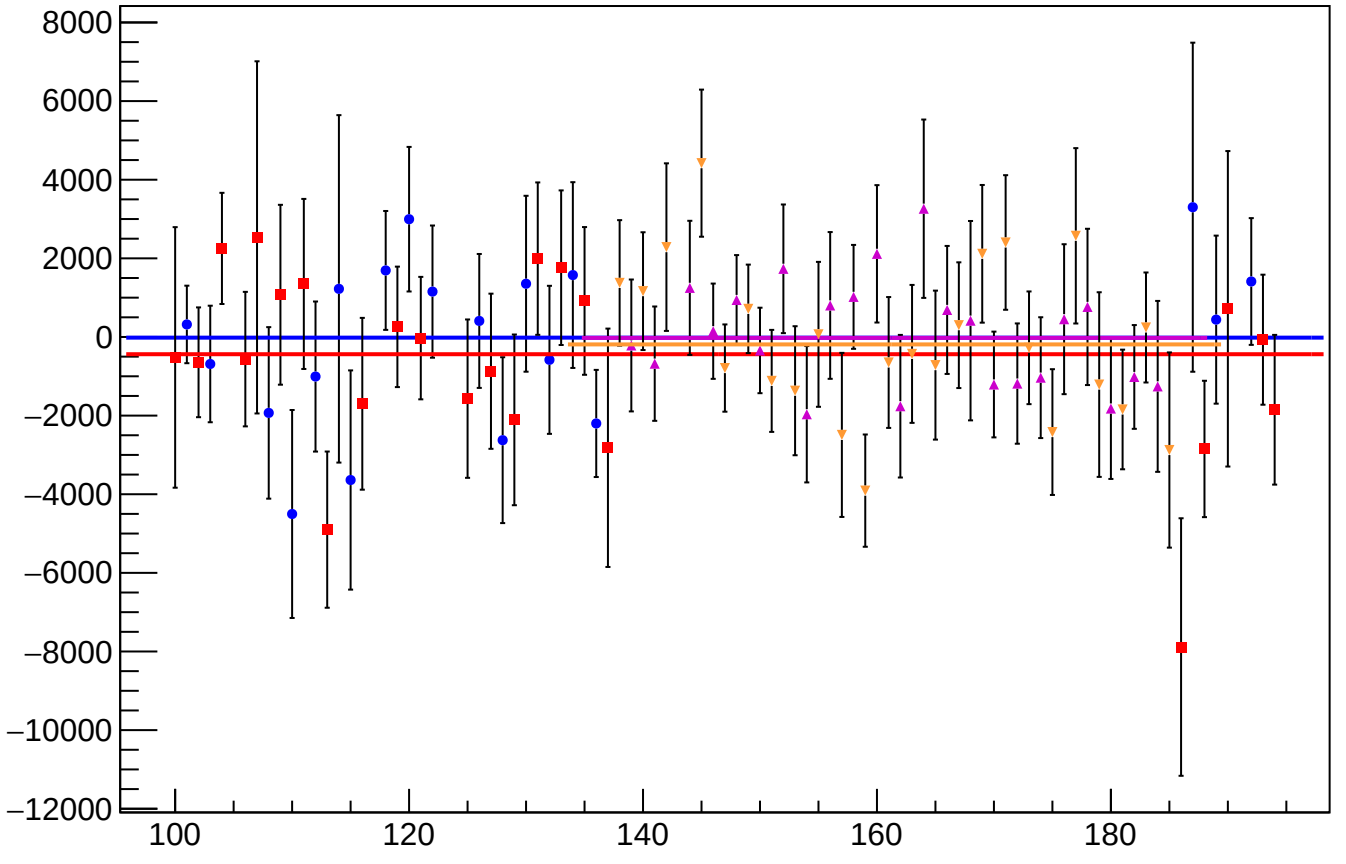
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 784.523+/-0.125 χ^2/NDF: 31867.0/41

In: 779.708+/-0.106 χ^2/NDF:16978.9/41

Out: 782.200+/-0.102 χ^2/NDF:23401.2/46

All: 780.995+/-0.073 χ^2/NDF: 40667.7/88



Right In: -16.897+/-414.940 χ^2/NDF: 17.0/18

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

Right Out: -438.453+/-409.493 χ^2/NDF: 23.6/22

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

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

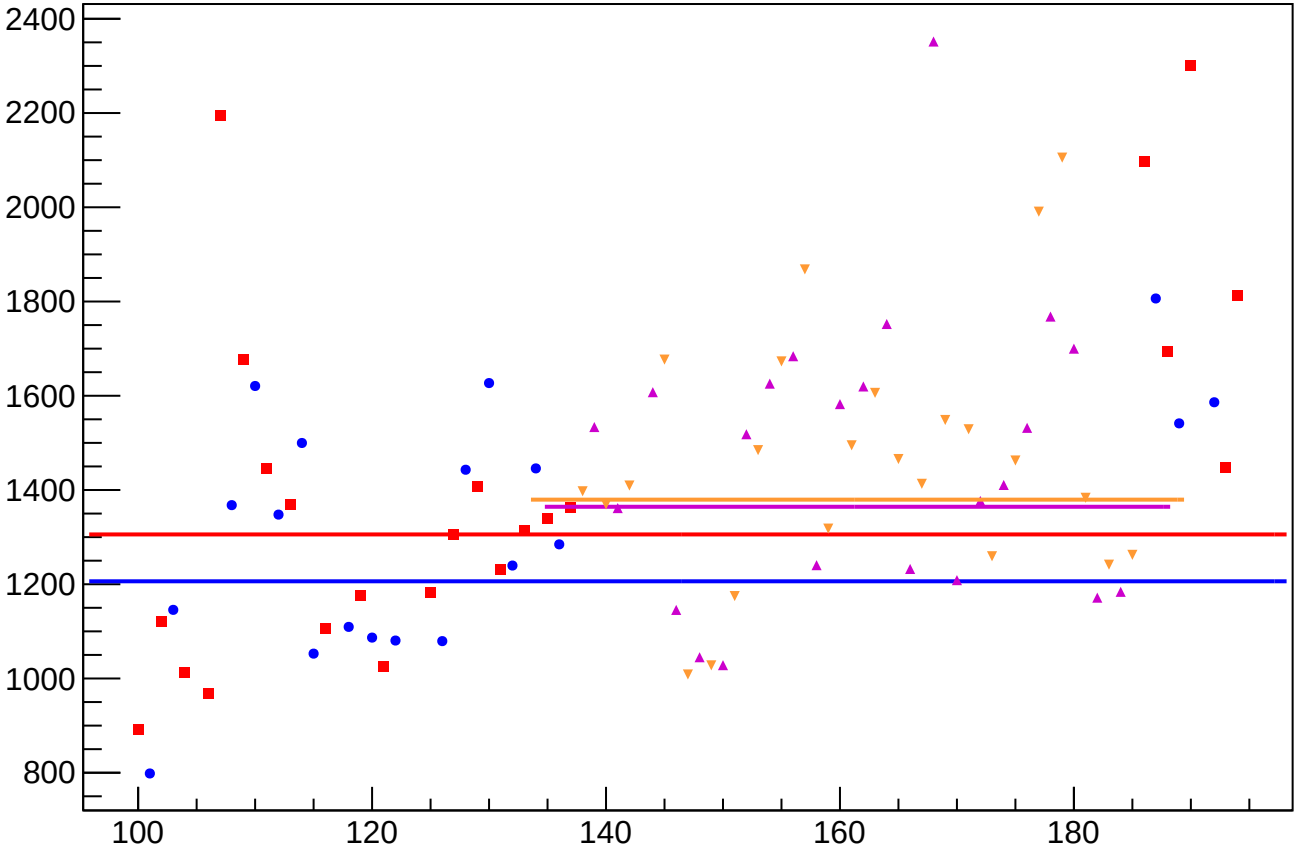
Right: -230.460+/-291.462 χ^2/NDF: 41.1/41

In: -21.137+/-256.254 χ^2/NDF:30.4/41

Out: -286.380+/-255.846 χ^2/NDF:53.4/46

All: -153.970+/-181.055 χ^2/NDF: 84.4/88

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1206.263+/-0.293 χ^2/NDF: 795561.1/18

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

Right Out: 1305.719+/-0.290 χ^2/NDF: 981483.7/22

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

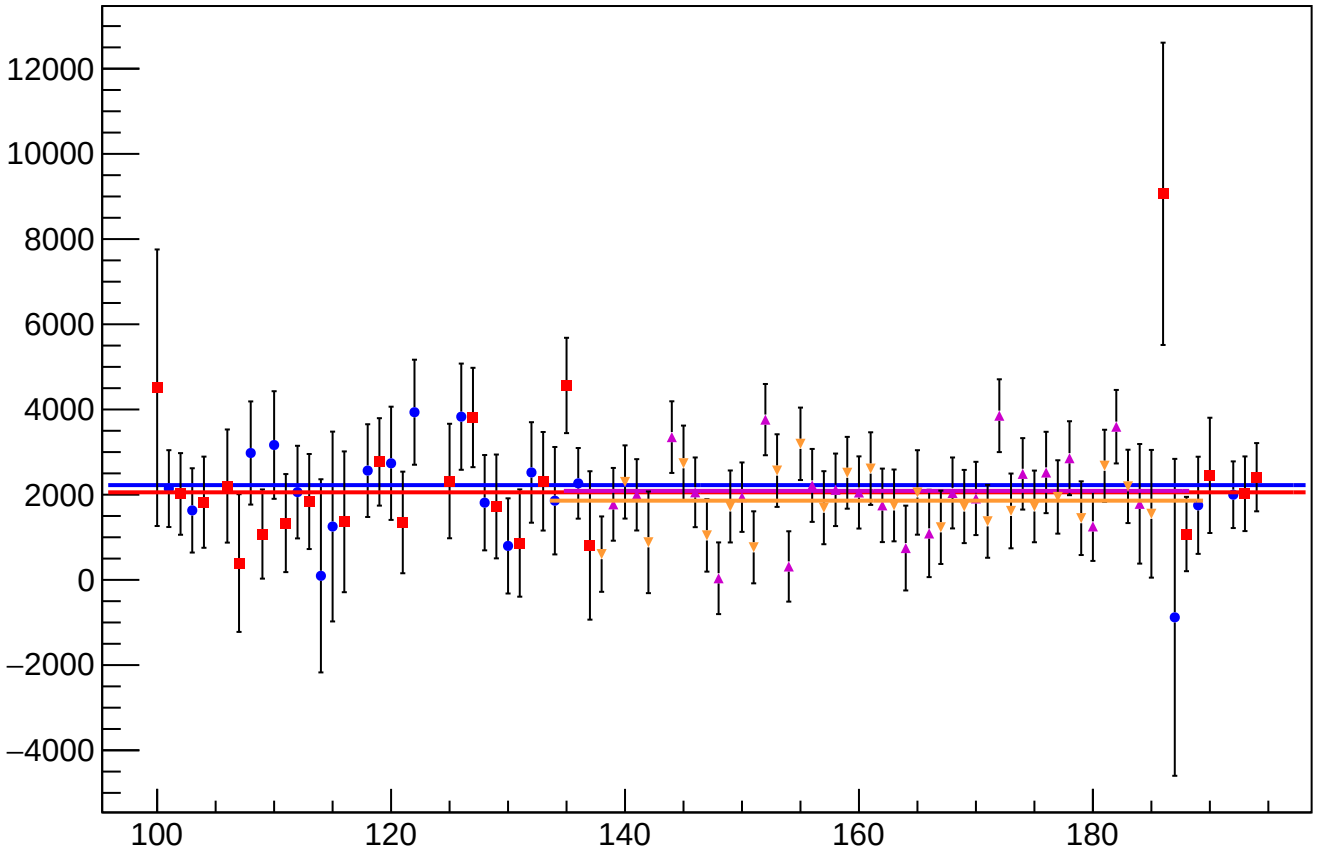
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1256.648+/-0.206 χ^2/NDF: 1835253.8/41

In: 1304.095+/-0.181 χ^2/NDF:2287584.8/41

Out: 1350.721+/-0.181 χ^2/NDF:2179573.3/46

All: 1327.445+/-0.128 χ^2/NDF: 4500316.5/88



Right In: 2224.559+/-263.622 χ^2/NDF: 9.1/18

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

Right Out: 2055.427+/-244.219 χ^2/NDF: 18.3/22

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

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

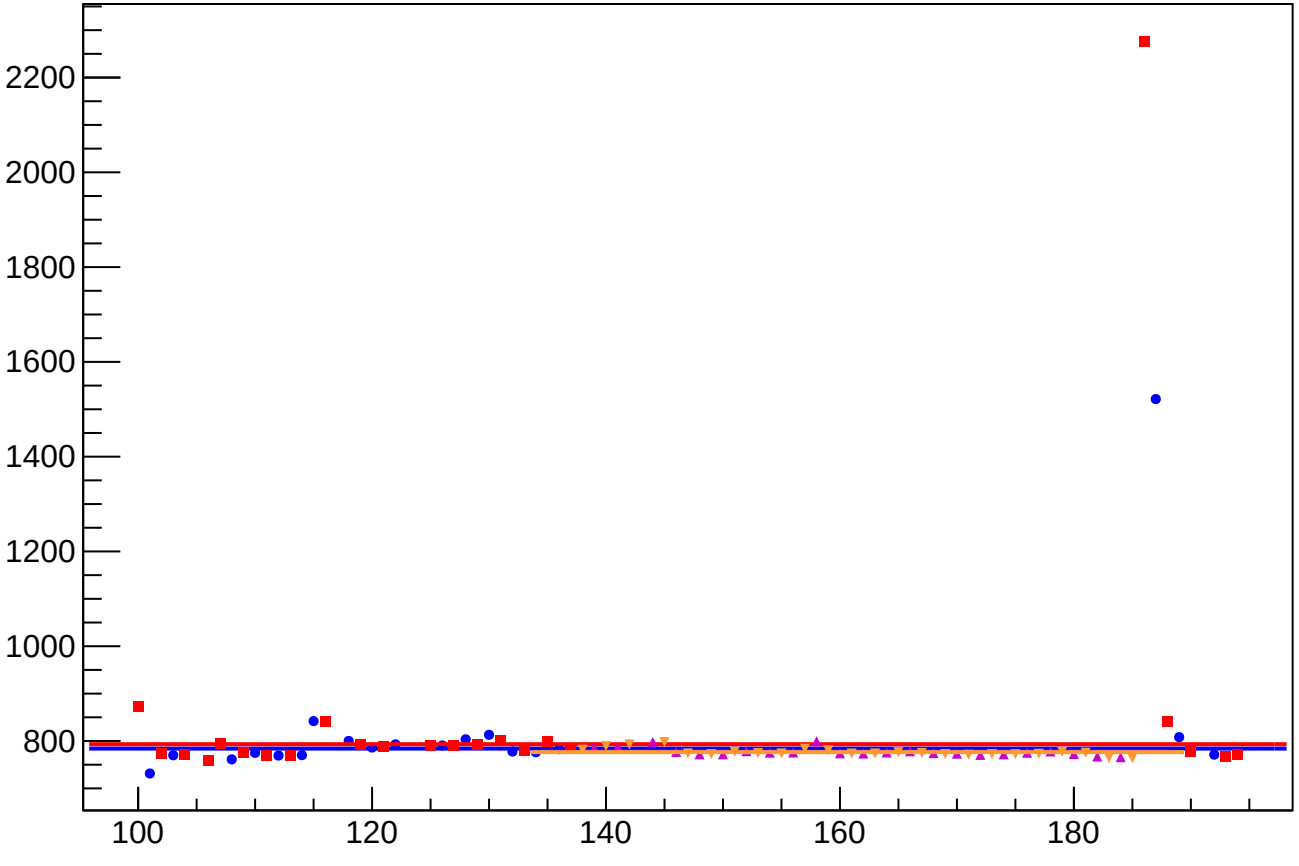
Right: 2133.540+/-179.156 χ^2/NDF: 27.6/41

In: 2132.935+/-149.507 χ^2/NDF:38.9/41

Out: 1928.601+/-145.016 χ^2/NDF:32.3/46

All: 2027.653+/-104.093 χ^2/NDF: 72.1/88

overload_cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 783.985+/-0.186 χ^2/NDF: 92560.9/18

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

Right Out: 793.288+/-0.173 χ^2/NDF: 367784.9/22

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

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

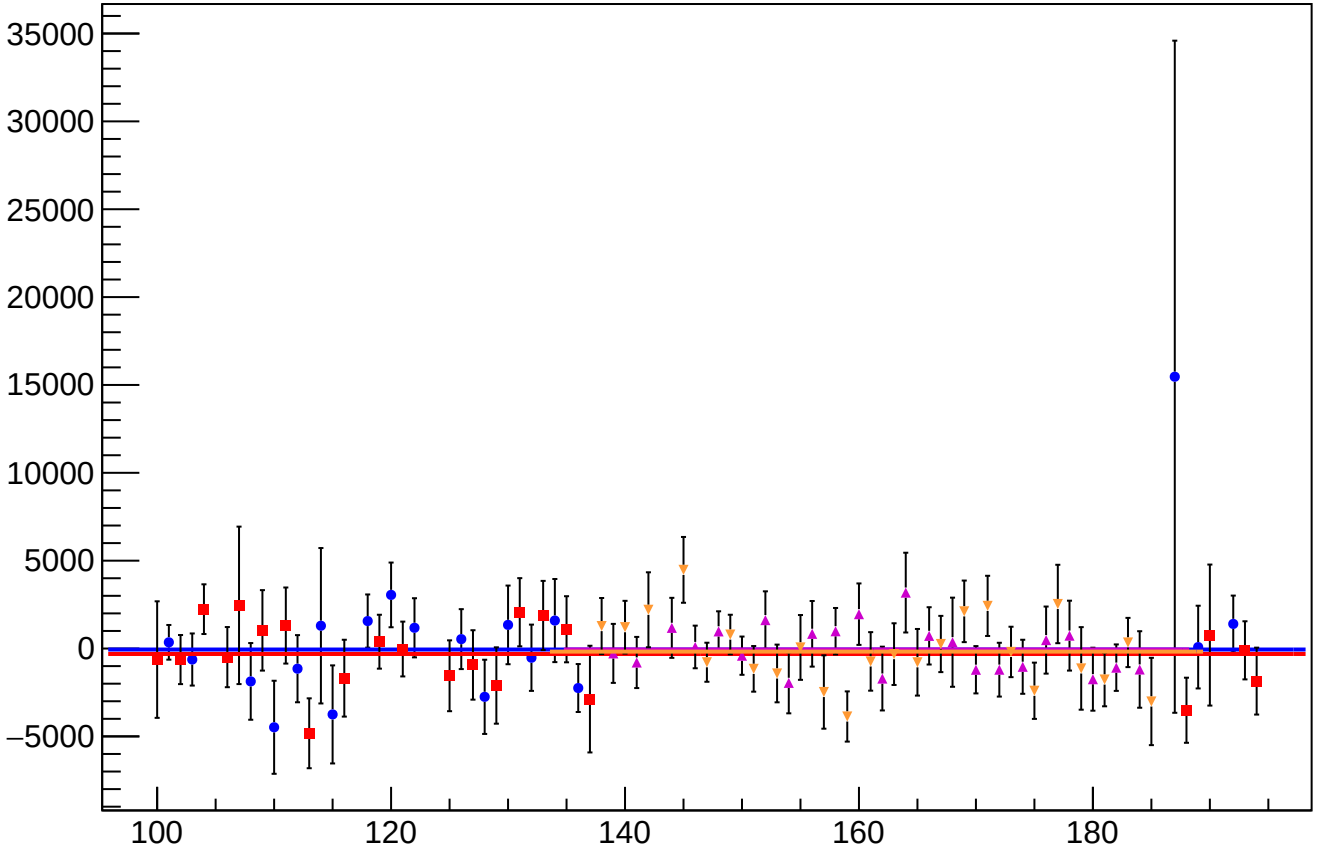
Right: 788.991+/-0.127 χ^2/NDF: 461686.4/41

In: 779.526+/-0.106 χ^2/NDF:97466.2/41

Out: 782.434+/-0.103 χ^2/NDF:377024.1/46

All: 781.025+/-0.074 χ^2/NDF: 474880.1/88

asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: -56.230+/-418.684 χ^2/NDF: 17.3/18

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

Right Out: -310.013+/-414.494 χ^2/NDF: 19.3/21

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

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

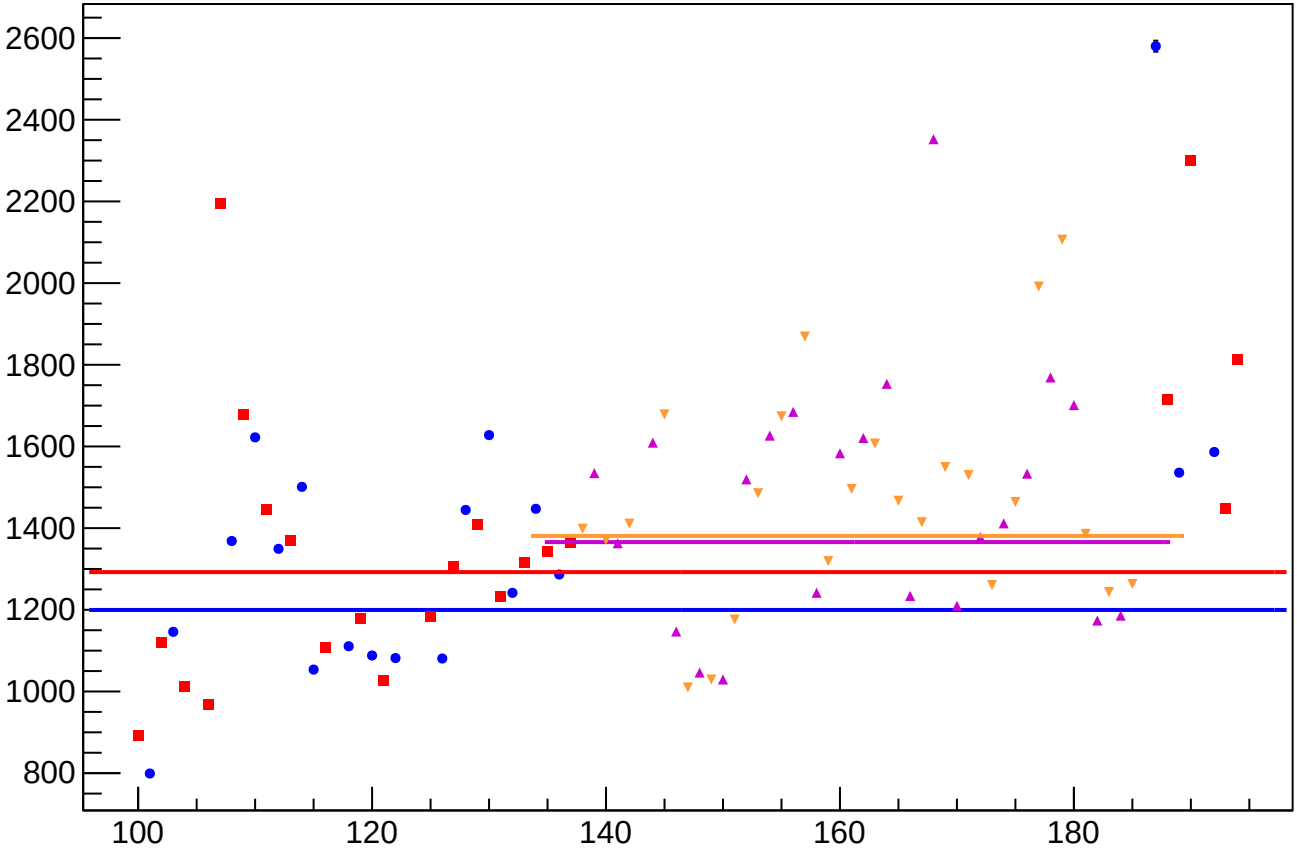
Right: -184.398+/-294.561 χ^2/NDF: 36.7/40

In: -54.108+/-257.283 χ^2/NDF:30.2/41

Out: -226.946+/-257.205 χ^2/NDF:49.0/45

All: -140.553+/-181.899 χ^2/NDF: 79.4/87

asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 1199.645+/-0.296 χ^2/NDF: 753179.1/18

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

Right Out: 1292.327+/-0.293 χ^2/NDF: 857372.2/21

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

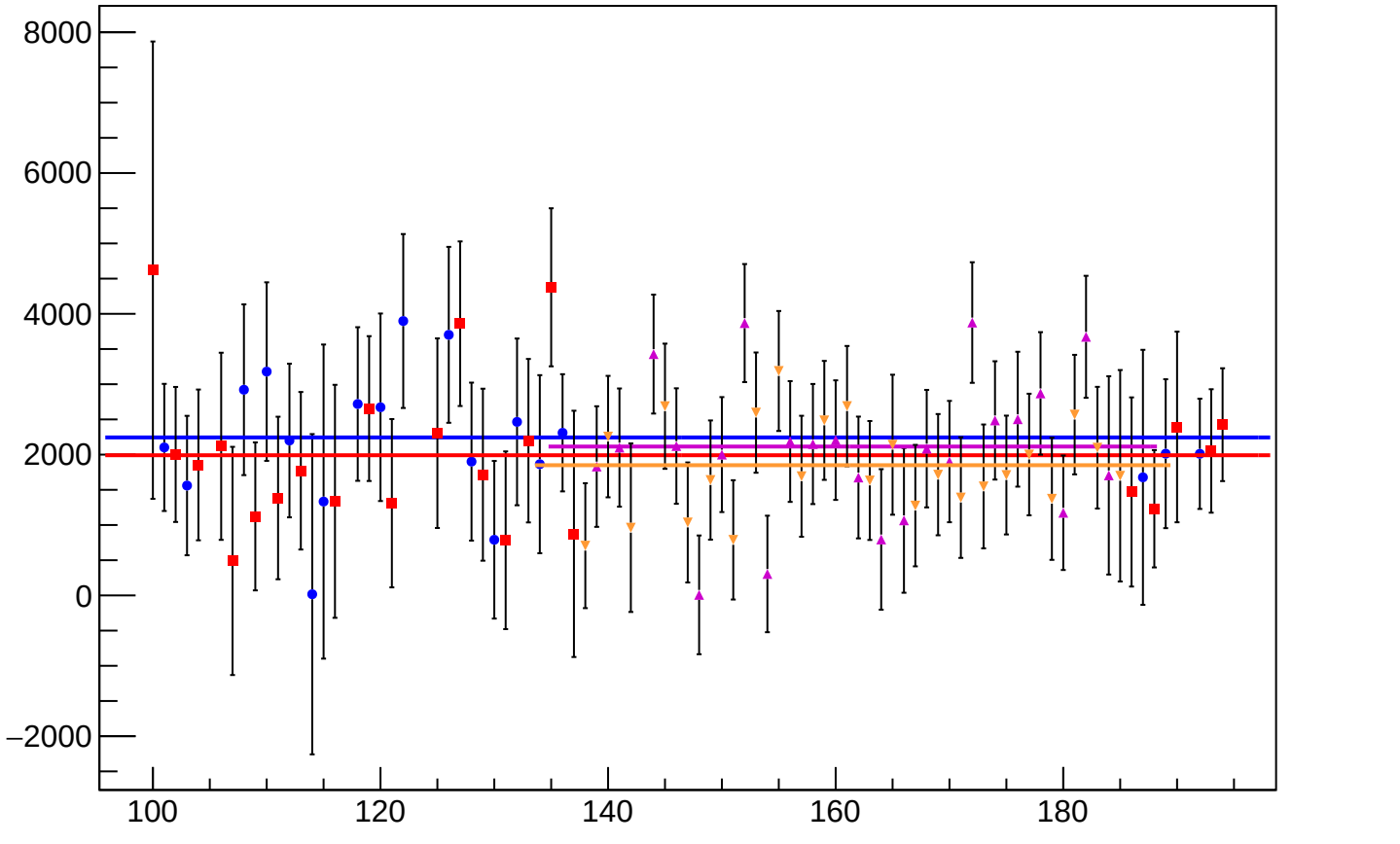
Left: 1373.338+/-0.164 χ^2/NDF: 2466443.3/46

Right: 1246.452+/-0.208 χ^2/NDF: 1660047.3/40

In: 1303.064+/-0.182 χ^2/NDF:2258107.7/41

Out: 1346.827+/-0.182 χ^2/NDF:2069036.3/45

All: 1324.952+/-0.129 χ^2/NDF: 4356085.3/87


eigen_cor_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
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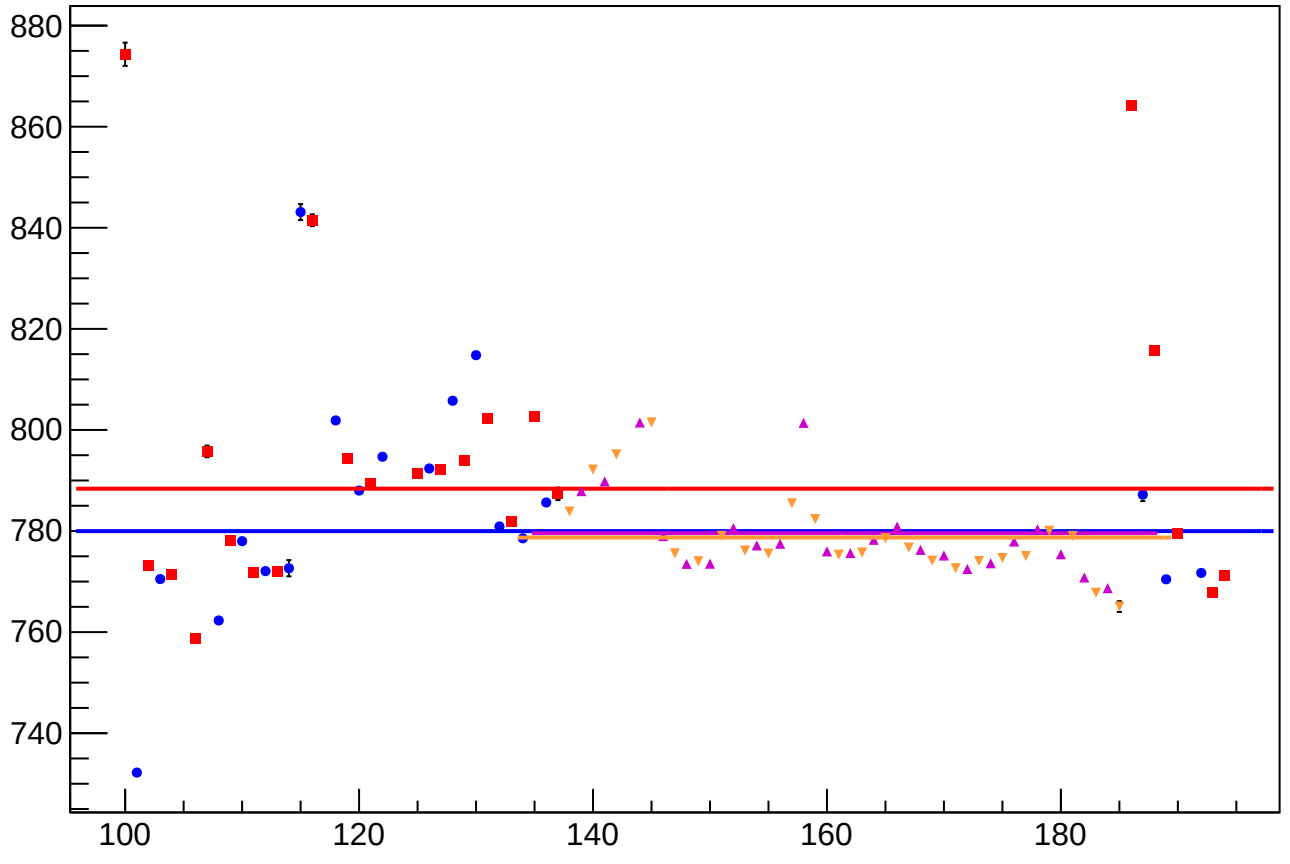
2000
0
−2000
100
120
140
160
180
Right In: 2244.113+/-260.952 χ²/NDF: 8.1/18
Left Out: 1849.592+/-180.739 χ²/NDF:12.8/23
Right Out: 1991.112+/-240.387 χ²/NDF: 13.3/22
Left In: 2114.442+/-182.028 χ²/NDF:31.1/22
Left: 1981.076+/-128.255 χ²/NDF: 45.0/46
Right: 2107.252+/-176.803 χ²/NDF: 21.9/41
In: 2156.885+/-149.294 χ²/NDF:39.3/41
Out: 1900.701+/-144.462 χ²/NDF:26.4/46
All: 2024.580+/-103.816 χ²/NDF: 67.2/88



Right In: 779.983+/-0.185 χ^2/NDF: 12802.7/18

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

Right Out: 788.375+/-0.170 χ^2/NDF: 17945.1/22

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

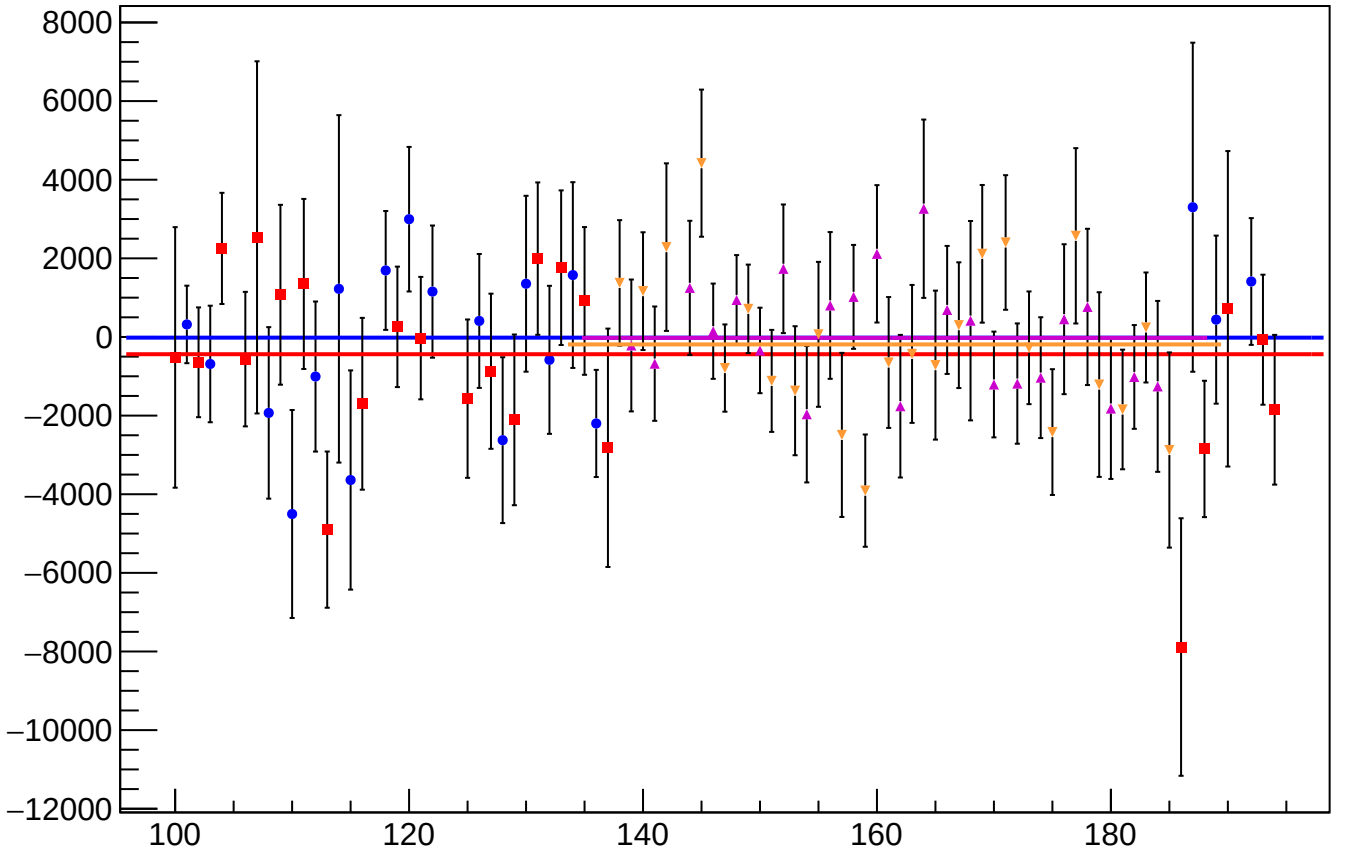
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 784.523+/-0.125 χ^2/NDF: 31867.0/41

In: 779.708+/-0.106 χ^2/NDF:16978.9/41

Out: 782.200+/-0.102 χ^2/NDF:23401.2/46

All: 780.995+/-0.073 χ^2/NDF: 40667.7/88



Right In: -16.897+/-414.940 χ^2/NDF: 17.0/18

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

Right Out: -438.453+/-409.493 χ^2/NDF: 23.6/22

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

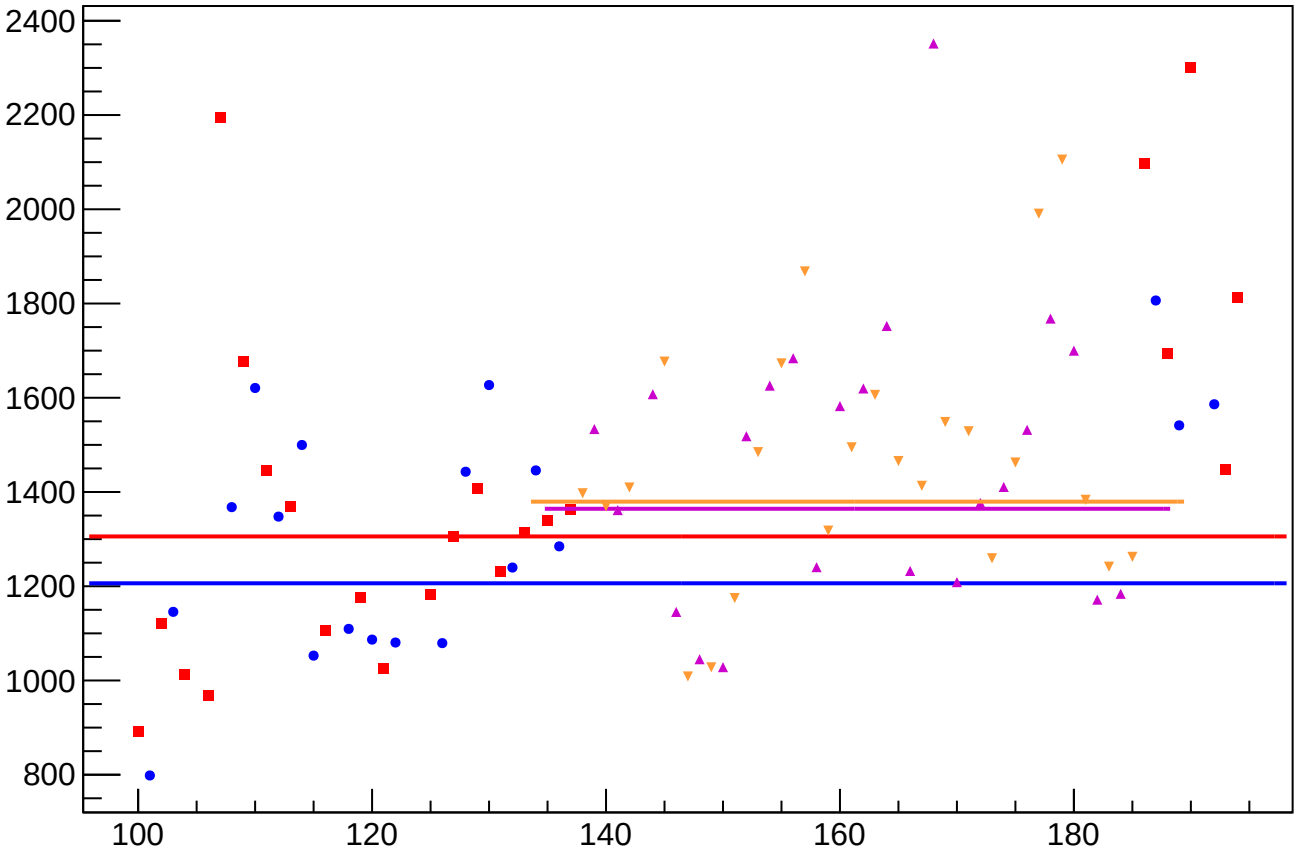
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -230.460+/-291.462 χ^2/NDF: 41.1/41

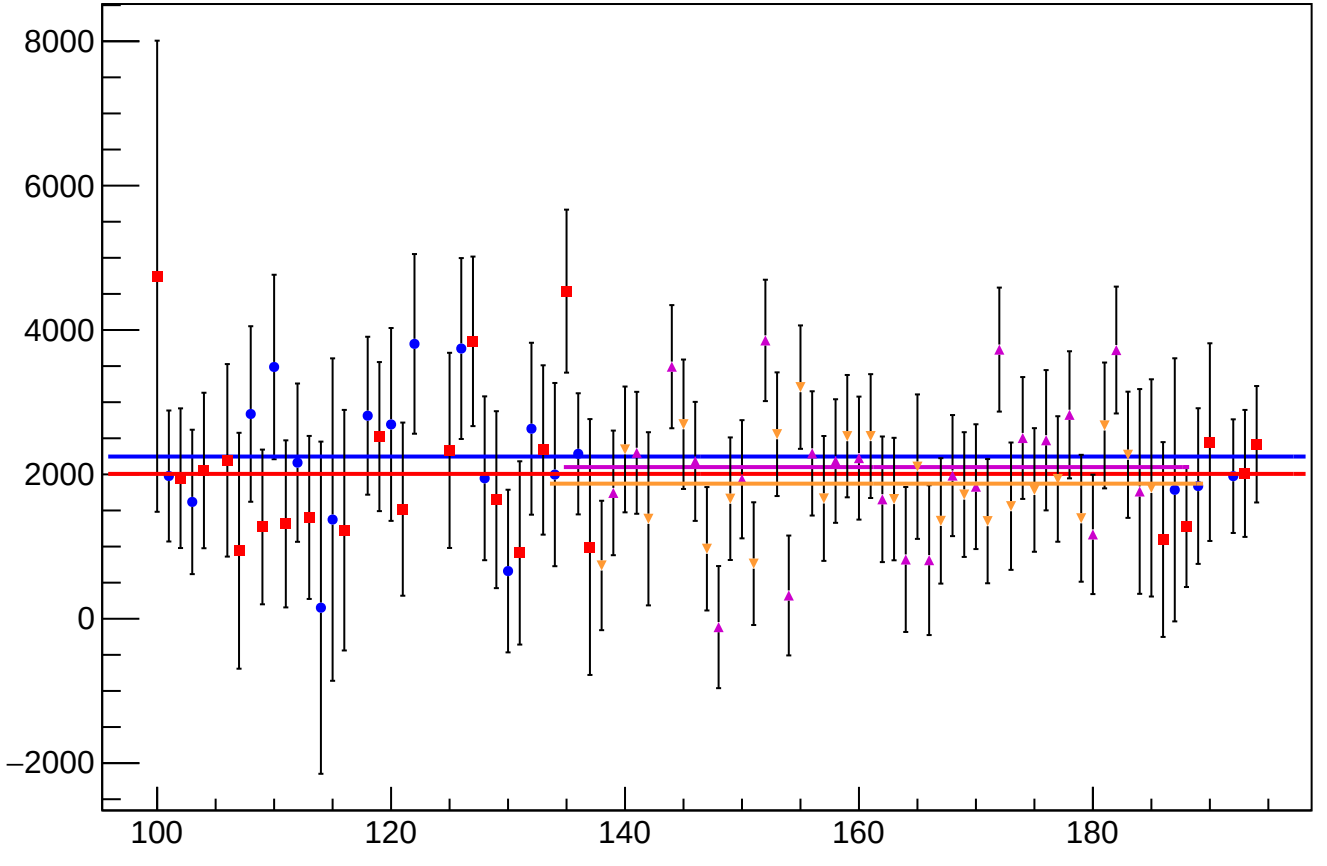
In: -21.137+/-256.254 χ^2/NDF:30.4/41

Out: -286.380+/-255.846 χ^2/NDF:53.4/46

All: -153.970+/-181.055 χ^2/NDF: 84.4/88


asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
Right In: 1206.263+/-0.293 χ²/NDF: 795561.1/18
Left Out: 1379.536+/-0.232 χ²/NDF:1158468.5/23
Right Out: 1305.719+/-0.290 χ²/NDF: 981483.7/22
Left In: 1364.412+/-0.230 χ²/NDF:1312299.5/22
Left: 1371.931+/-0.163 χ²/NDF: 2472910.6/46
Right: 1256.648+/-0.206 χ²/NDF: 1835253.8/41
In: 1304.095+/-0.181 χ²/NDF:2287584.8/41
Out: 1350.721+/-0.181 χ²/NDF:2179573.3/46
All: 1327.445+/-0.128 χ²/NDF: 4500316.5/88

dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2247.112+/-262.710 χ^2/NDF: 8.6/18

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

Right Out: 2006.756+/-241.900 χ^2/NDF: 13.3/22

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

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

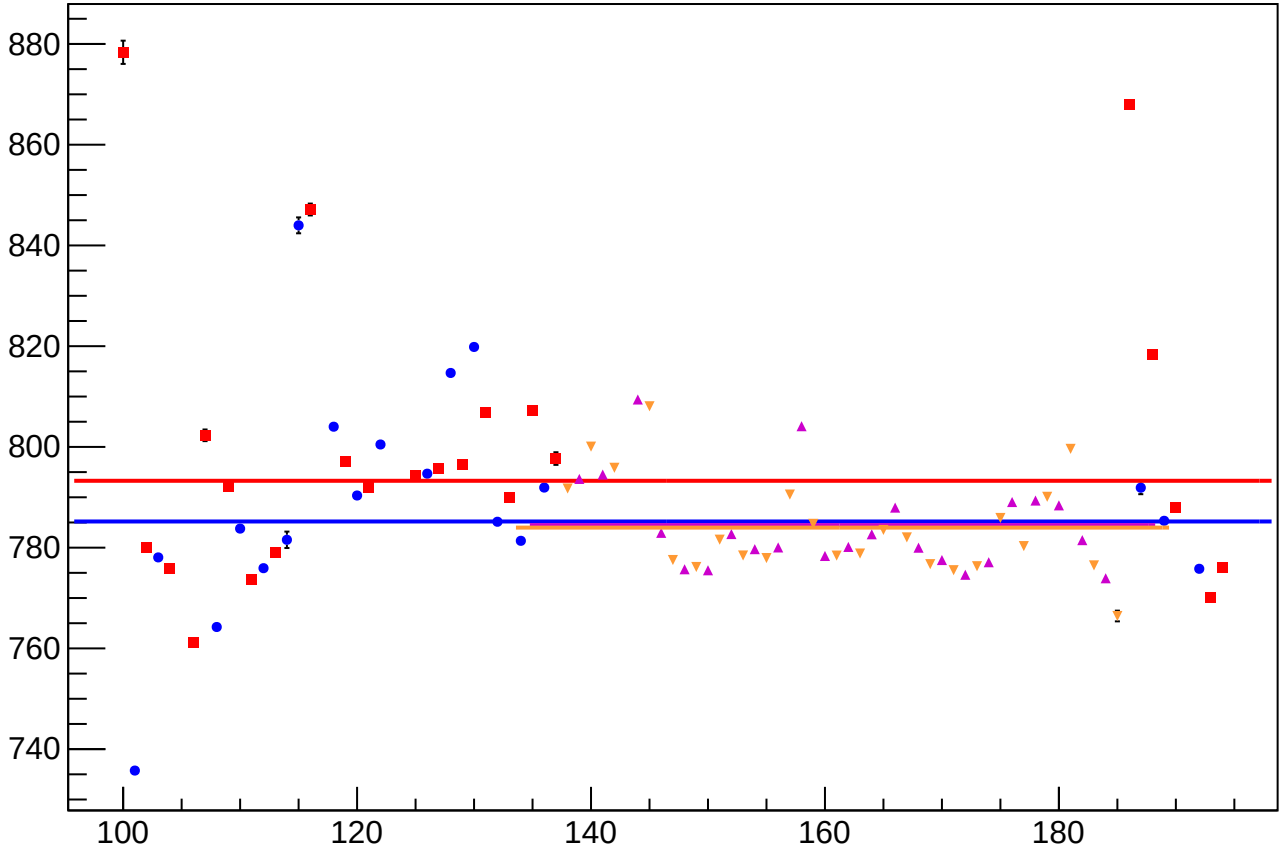
Right: 2117.039+/-177.952 χ^2/NDF: 22.3/41

In: 2148.830+/-150.259 χ^2/NDF:40.5/41

Out: 1920.354+/-145.422 χ^2/NDF:25.9/46

All: 2030.855+/-104.497 χ^2/NDF: 67.6/88

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 785.198+/-0.186 χ^2/NDF: 12911.9/18

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

Right Out: 793.276+/-0.171 χ^2/NDF: 17340.4/22

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

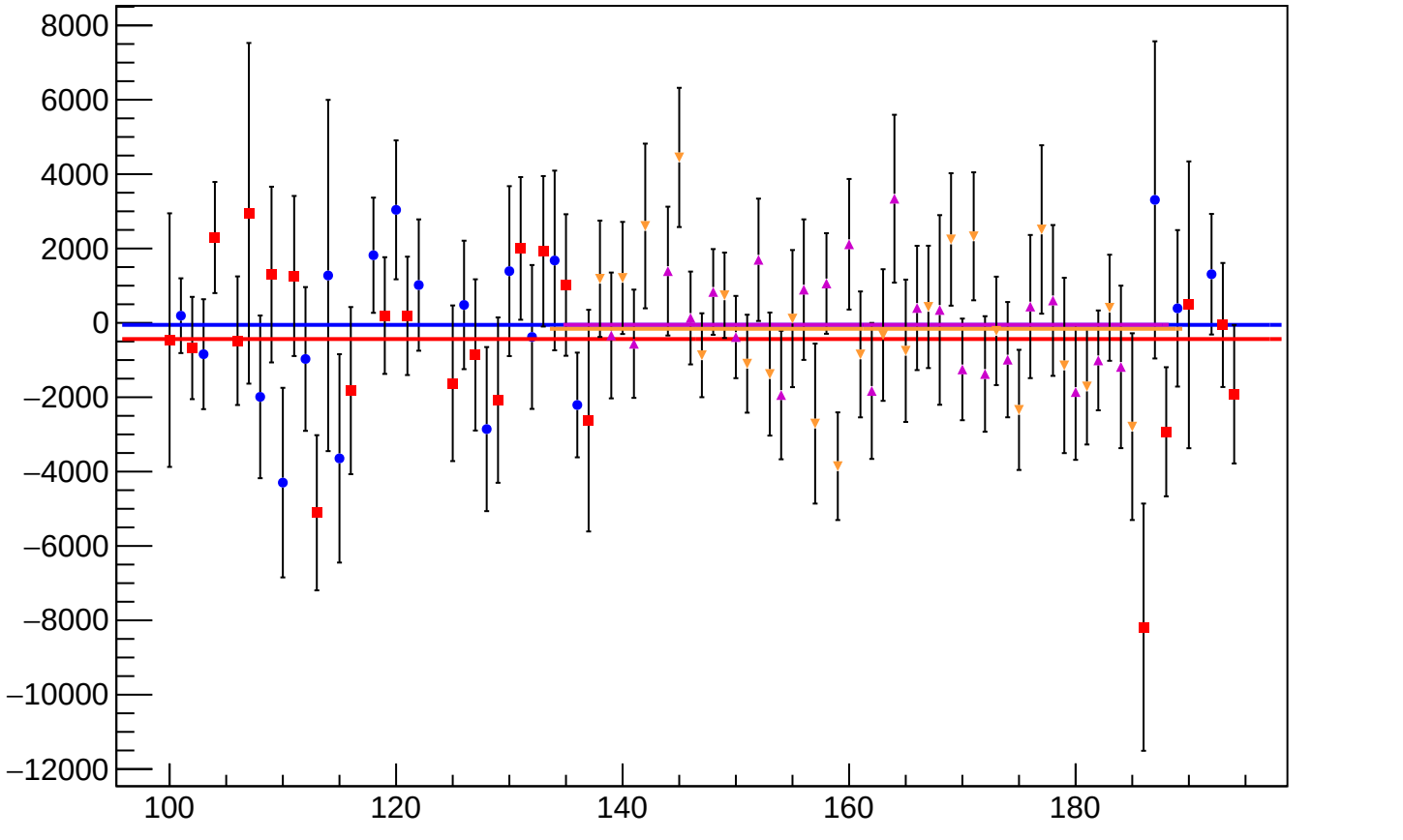
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 789.569+/-0.126 χ^2/NDF: 31275.7/41

In: 784.710+/-0.106 χ^2/NDF:17849.9/41

Out: 787.340+/-0.103 χ^2/NDF:24153.9/46

All: 786.068+/-0.074 χ^2/NDF: 42320.4/88



Right In: -53.861+/-422.219 χ^2/NDF: 16.8/18

Left Out: -159.275+/-332.190 χ^2/NDF:29.1/23

Right Out: -435.242+/-415.861 χ^2/NDF: 24.0/22

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

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

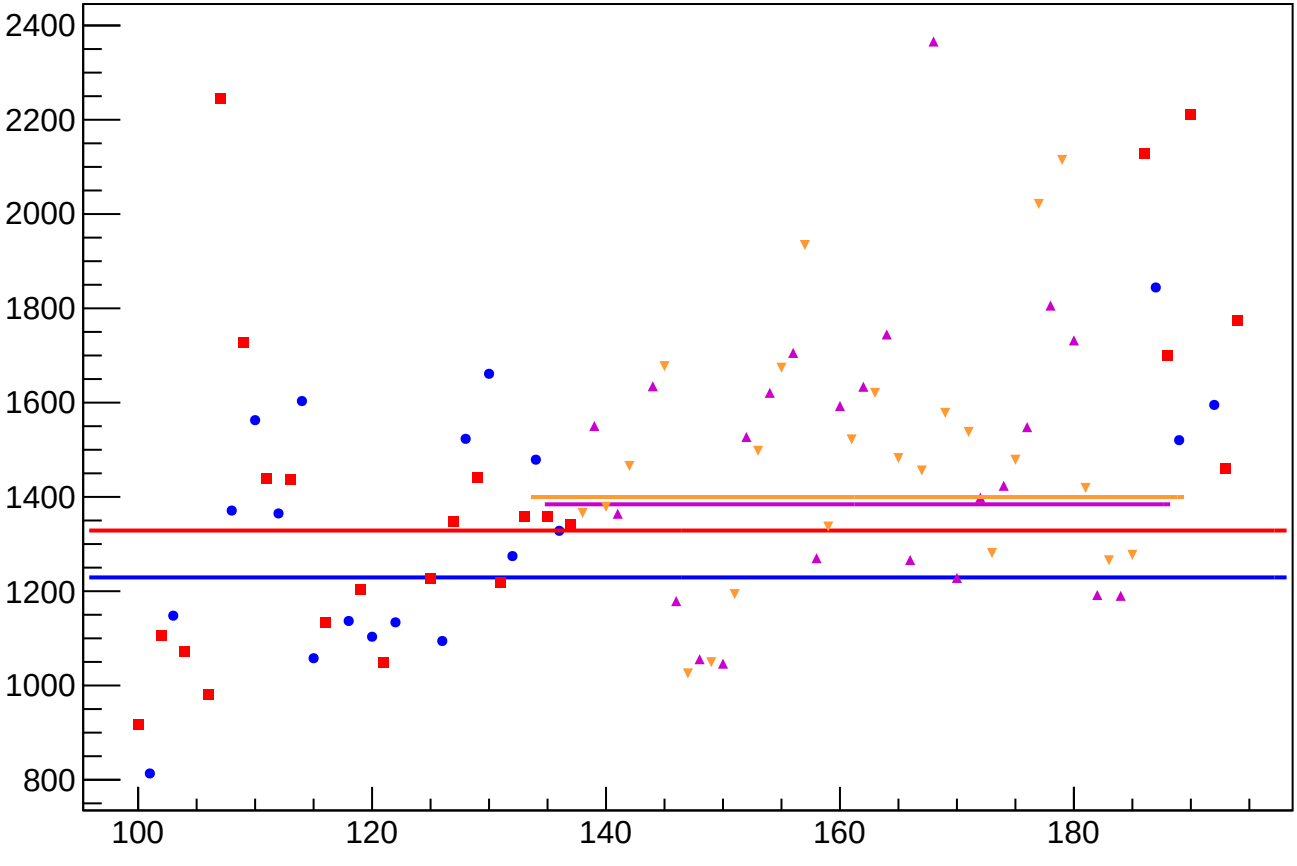
Right: -247.444+/-296.280 χ^2/NDF: 41.2/41

In: -52.691+/-260.106 χ^2/NDF:30.2/41

Out: -266.772+/-259.549 χ^2/NDF:53.4/46

All: -159.961+/-183.726 χ^2/NDF: 84.0/88

asym_us_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1229.236+/-0.299 χ^2/NDF: 775840.9/18

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

Right Out: 1328.697+/-0.294 χ^2/NDF: 914880.8/22

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

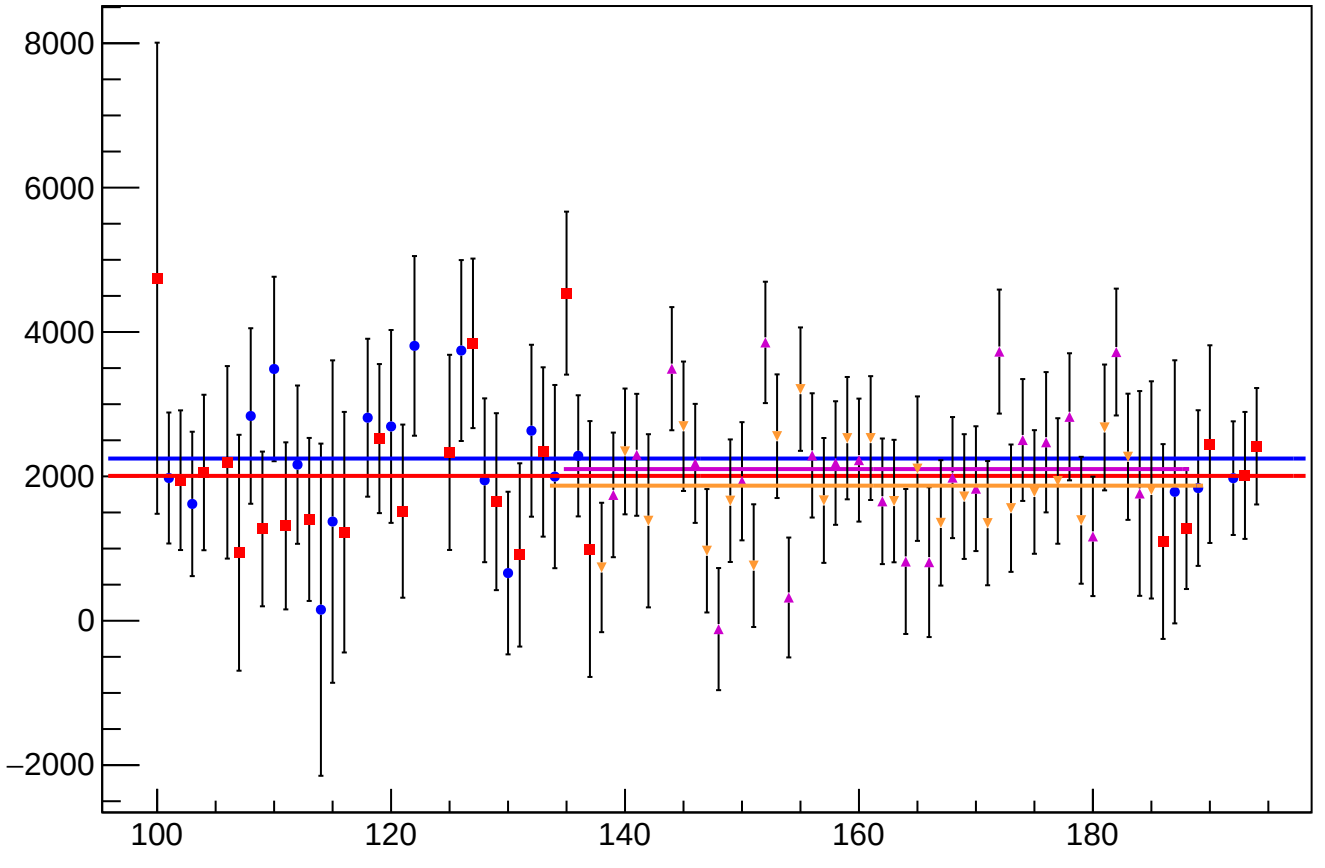
Left: 1391.979+/-0.166 χ^2/NDF: 2408444.2/46

Right: 1279.721+/-0.210 χ^2/NDF: 1747055.9/41

In: 1325.472+/-0.184 χ^2/NDF:2213231.9/41

Out: 1372.053+/-0.184 χ^2/NDF:2086839.5/46

All: 1348.812+/-0.130 χ^2/NDF: 4332211.0/88



Right In: 2247.111+/-262.710 χ^2/NDF: 8.6/18

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

Right Out: 2006.755+/-241.900 χ^2/NDF: 13.3/22

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

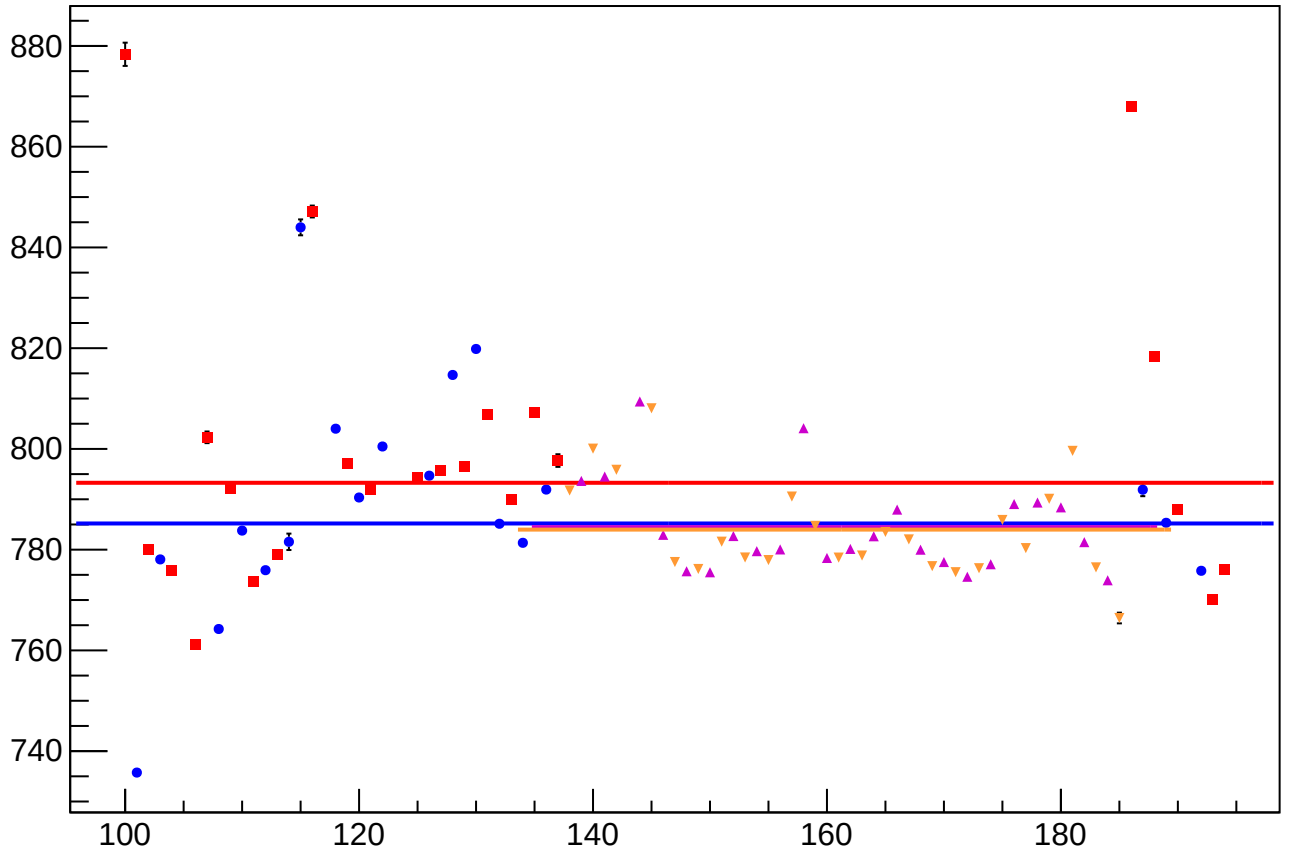
Left: 1985.495+/-129.100 χ^2/NDF: 45.0/46

Right: 2117.038+/-177.952 χ^2/NDF: 22.3/41

In: 2148.830+/-150.259 χ^2/NDF:40.5/41

Out: 1920.352+/-145.422 χ^2/NDF:25.9/46

All: 2030.854+/-104.497 χ^2/NDF: 67.6/88



Right In: 785.198+/-0.186 χ^2/NDF: 12911.9/18

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

Right Out: 793.276+/-0.171 χ^2/NDF: 17340.4/22

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

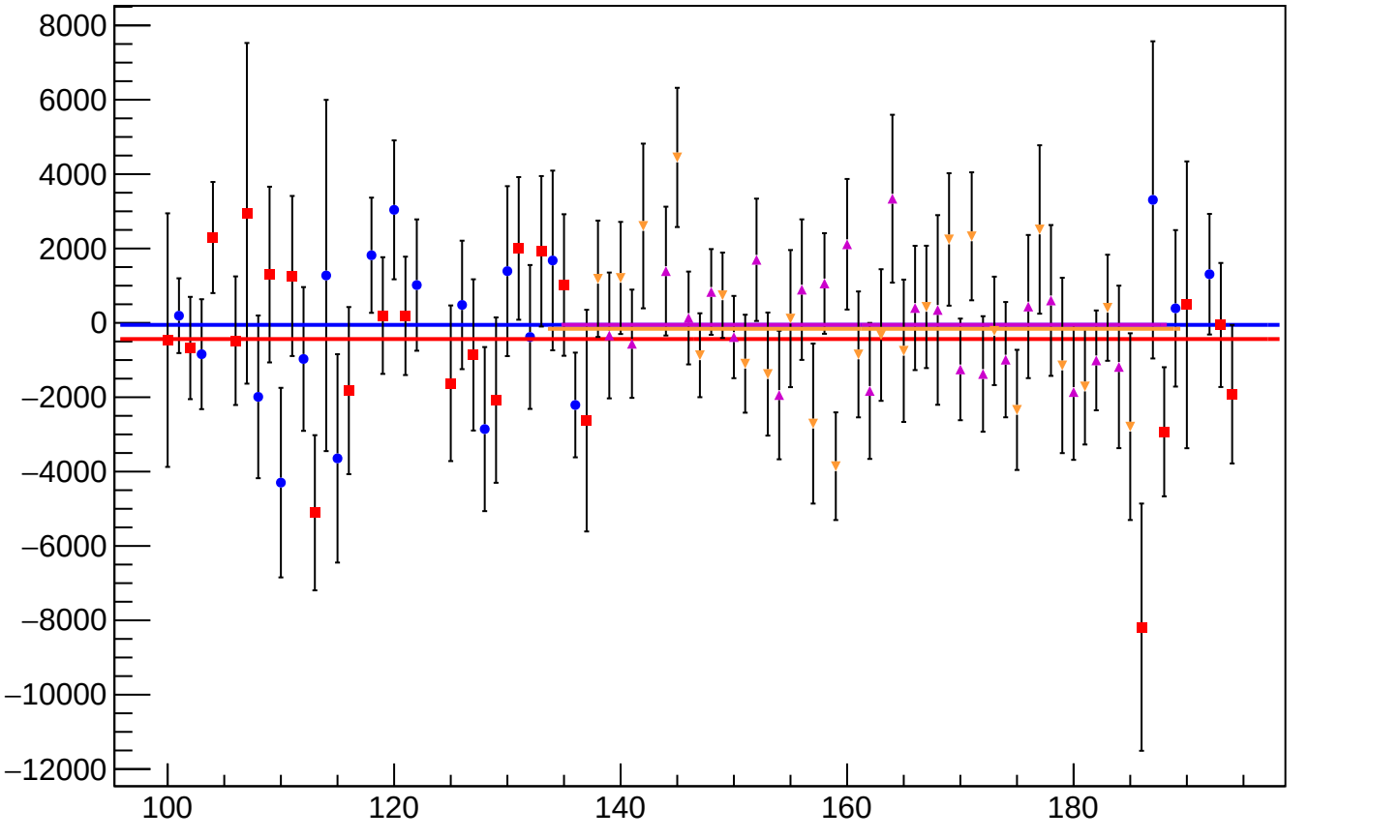
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 789.569+/-0.126 χ^2/NDF: 31275.7/41

In: 784.710+/-0.106 χ^2/NDF:17849.9/41

Out: 787.340+/-0.103 χ^2/NDF:24153.8/46

All: 786.068+/-0.074 χ^2/NDF: 42320.2/88



Right In: -53.861+/-422.218 χ^2/NDF: 16.8/18

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

Right Out: -435.239+/-415.860 χ^2/NDF: 24.0/22

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

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

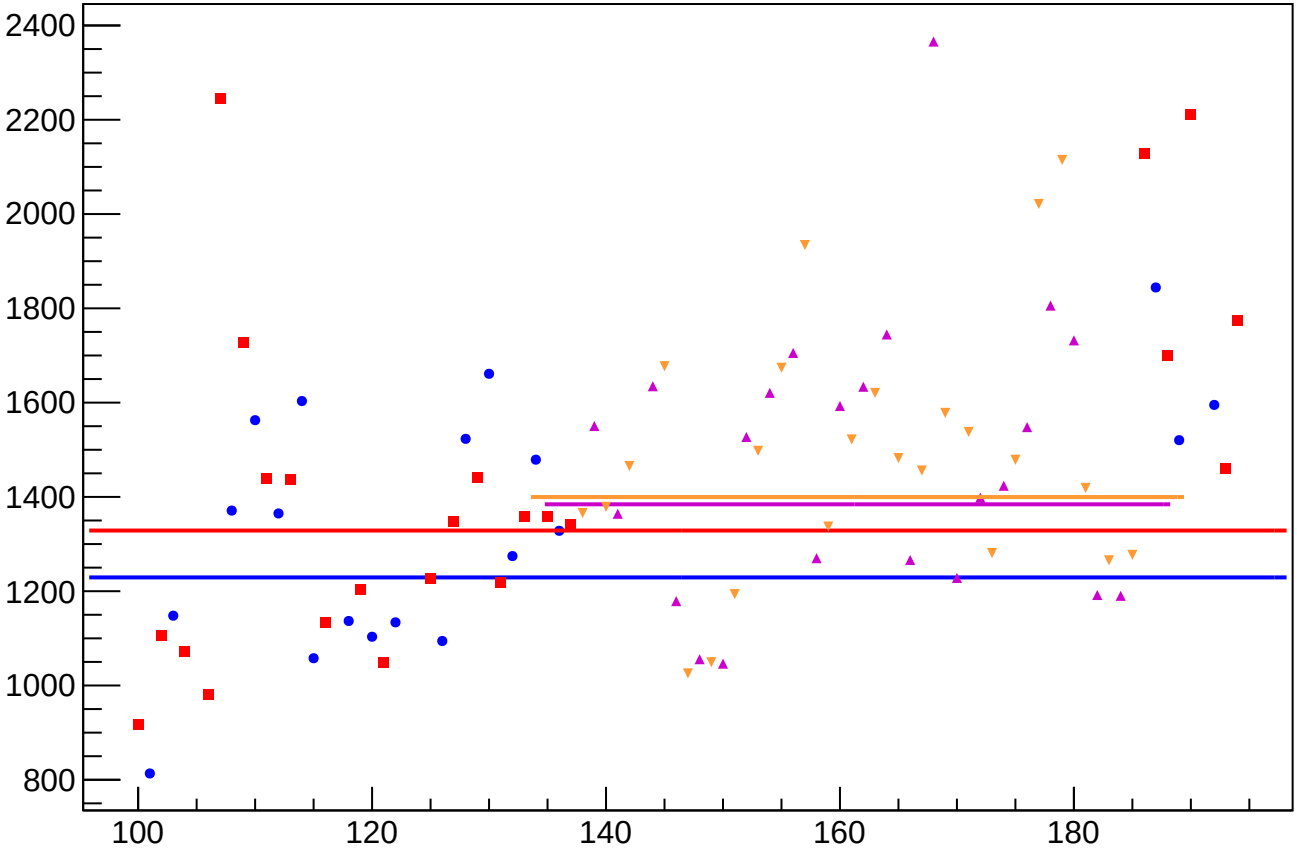
Right: -247.443+/-296.280 χ^2/NDF: 41.2/41

In: -52.691+/-260.106 χ^2/NDF:30.2/41

Out: -266.774+/-259.549 χ^2/NDF:53.4/46

All: -159.962+/-183.726 χ^2/NDF: 84.0/88

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1229.233+/-0.299 χ^2/NDF: 775841.0/18

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

Right Out: 1328.694+/-0.294 χ^2/NDF: 914885.6/22

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

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

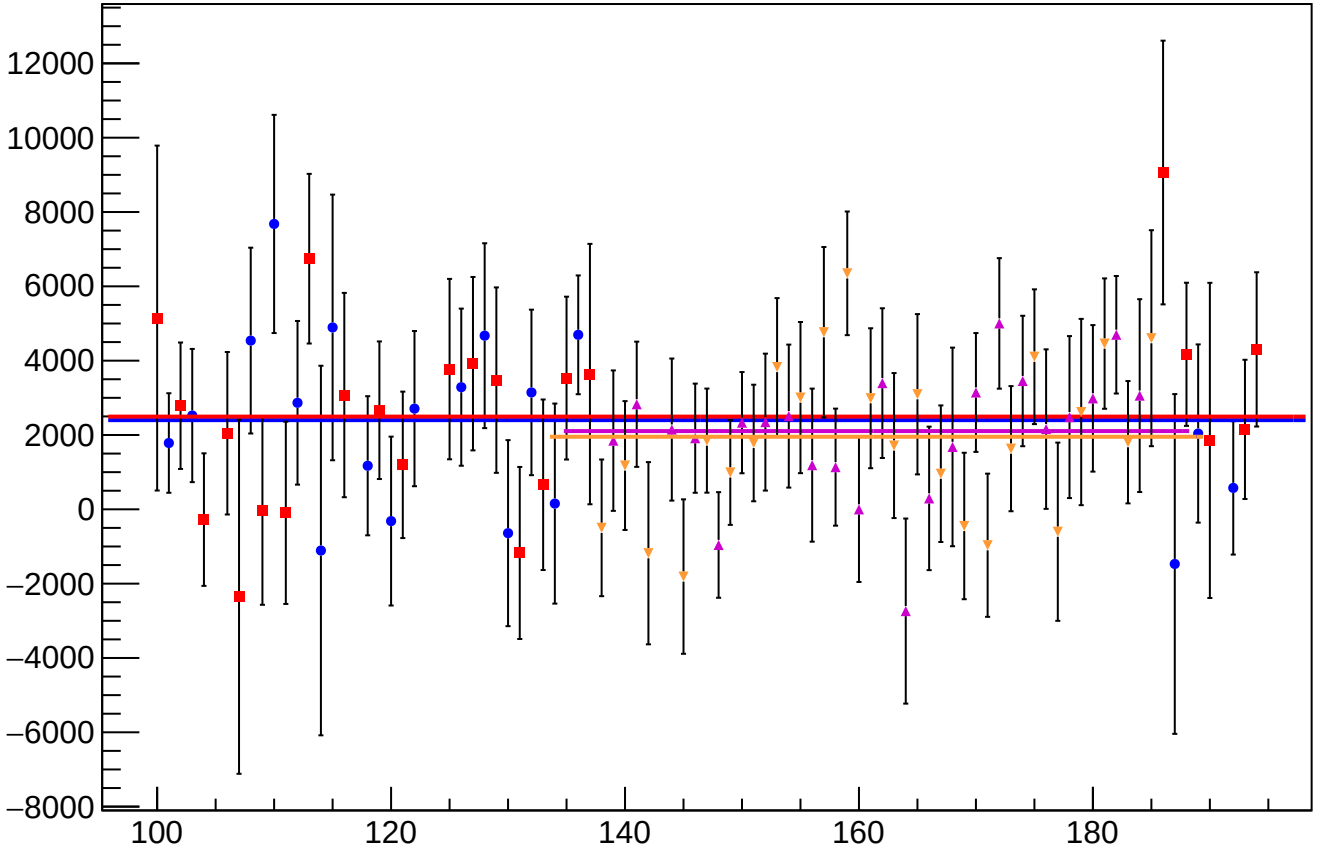
Right: 1279.718+/-0.210 χ^2/NDF: 1747060.7/41

In: 1325.472+/-0.184 χ^2/NDF:2213244.6/41

Out: 1372.053+/-0.184 χ^2/NDF:2086851.3/46

All: 1348.813+/-0.130 χ^2/NDF: 4332235.5/88

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2399.641+/-500.819 χ^2/NDF: 14.2/18

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

Right Out: 2494.819+/-484.607 χ^2/NDF: 19.2/22

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

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

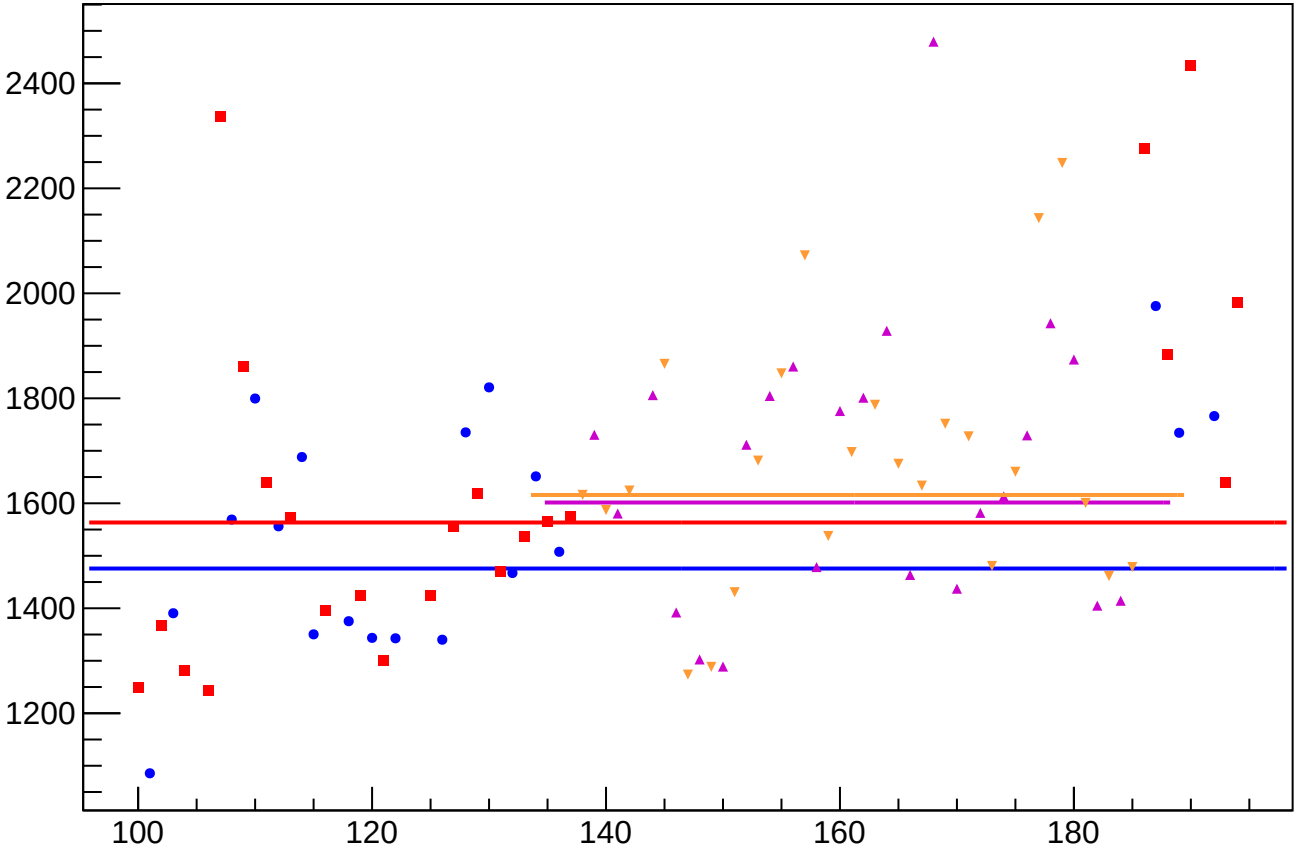
Right: 2448.795+/-348.259 χ^2/NDF: 33.4/41

In: 2212.574+/-302.242 χ^2/NDF:33.0/41

Out: 2159.115+/-299.160 χ^2/NDF:47.3/46

All: 2185.571+/-212.620 χ^2/NDF: 80.4/88

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1475.723+/-0.354 χ^2/NDF: 407665.1/18

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

Right Out: 1563.423+/-0.343 χ^2/NDF: 579921.5/22

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

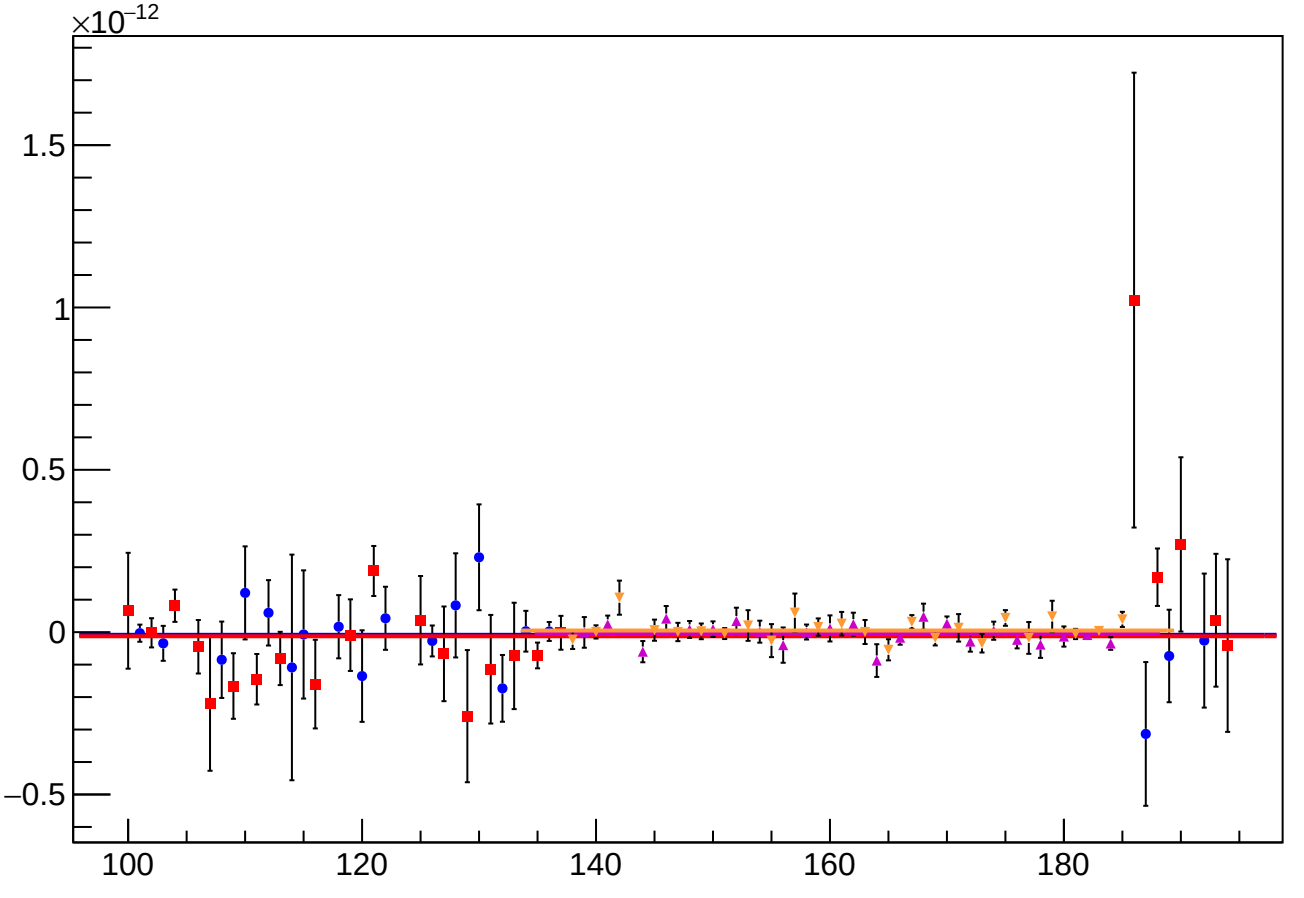
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1521.015+/-0.246 χ^2/NDF: 1019259.4/41

In: 1555.689+/-0.214 χ^2/NDF:1281584.8/41

Out: 1595.873+/-0.212 χ^2/NDF:1288764.1/46

All: 1575.987+/-0.150 χ^2/NDF: 2588206.3/88



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/18

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

Right Out: -0.000+/-0.000 χ^2/NDF: 31.0/22

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

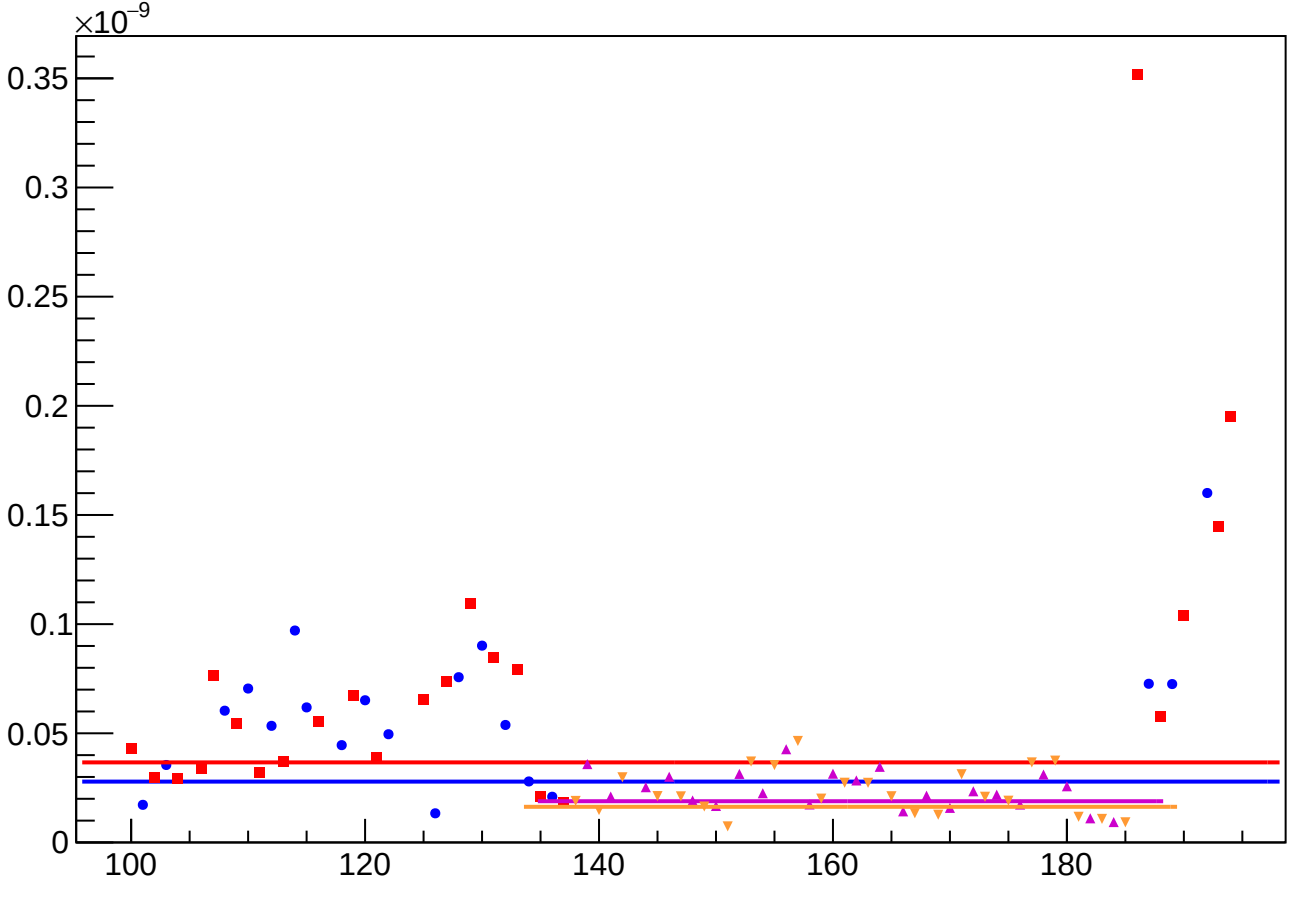
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 41.7/41

In: -0.000+/-0.000 χ^2/NDF:30.1/41

Out: 0.000+/-0.000 χ^2/NDF:52.9/46

All: -0.000+/-0.000 χ^2/NDF: 84.4/88



Right In: 0.000+/-0.000 χ^2/NDF: 3255335.5/18

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

Right Out: 0.000+/-0.000 χ^2/NDF: 3680172.6/22

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

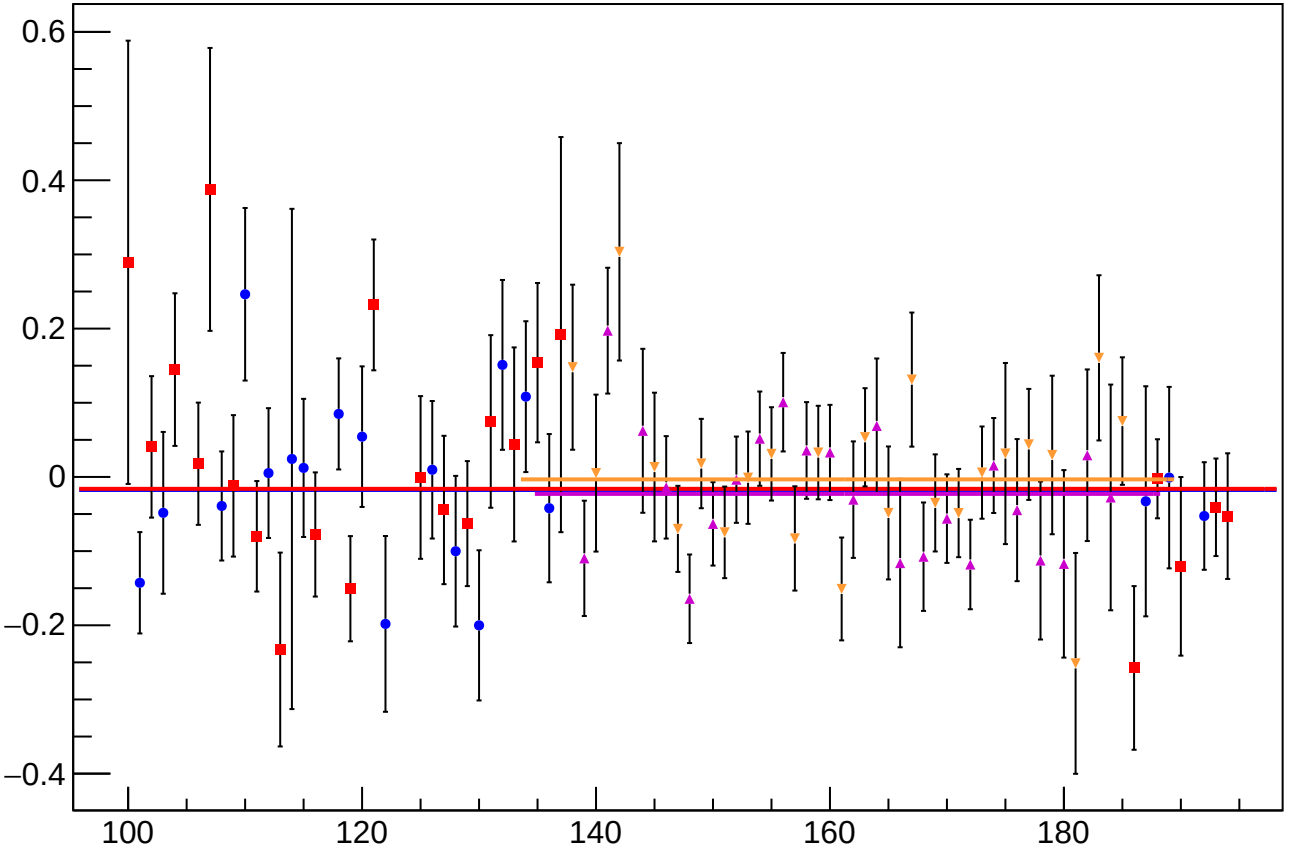
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

Right: 0.000+/-0.000 χ^2/NDF: 7223625.9/41

In: 0.000+/-0.000 χ^2/NDF:7135084.6/41

Out: 0.000+/-0.000 χ^2/NDF:10375240.3/46

All: 0.000+/-0.000 χ^2/NDF: 17661239.0/88



Right In: -0.018+/-0.022 χ^2/NDF: 21.6/18

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

Right Out: -0.016+/-0.019 χ^2/NDF: 34.3/22

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

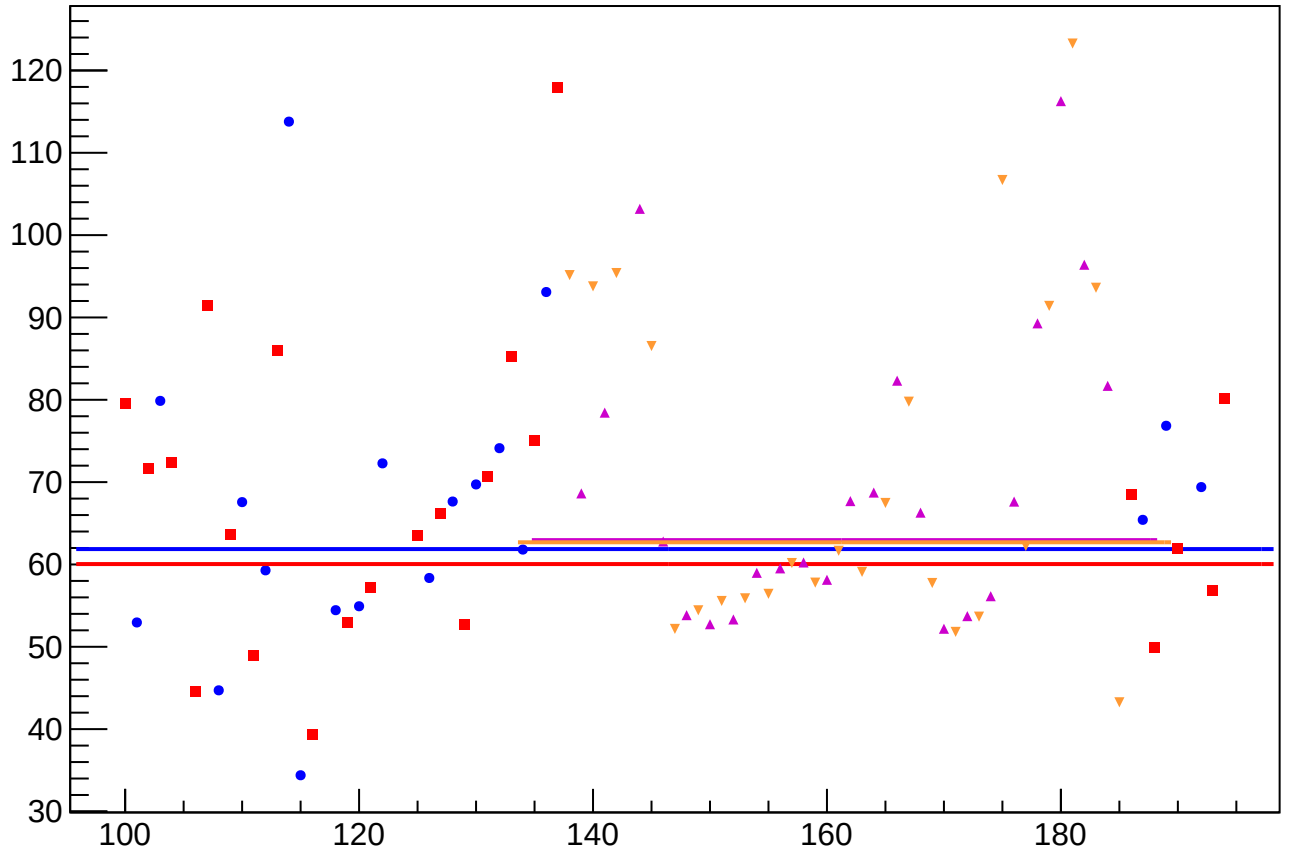
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.017+/-0.015 χ^2/NDF: 56.0/41

In: -0.021+/-0.013 χ^2/NDF:50.6/41

Out: -0.008+/-0.012 χ^2/NDF:60.5/46

All: -0.014+/-0.009 χ^2/NDF: 111.7/88



Right In: 61.868+/-0.016 χ^2/NDF: 763319.5/18

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

Right Out: 60.047+/-0.014 χ^2/NDF: 913526.9/22

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

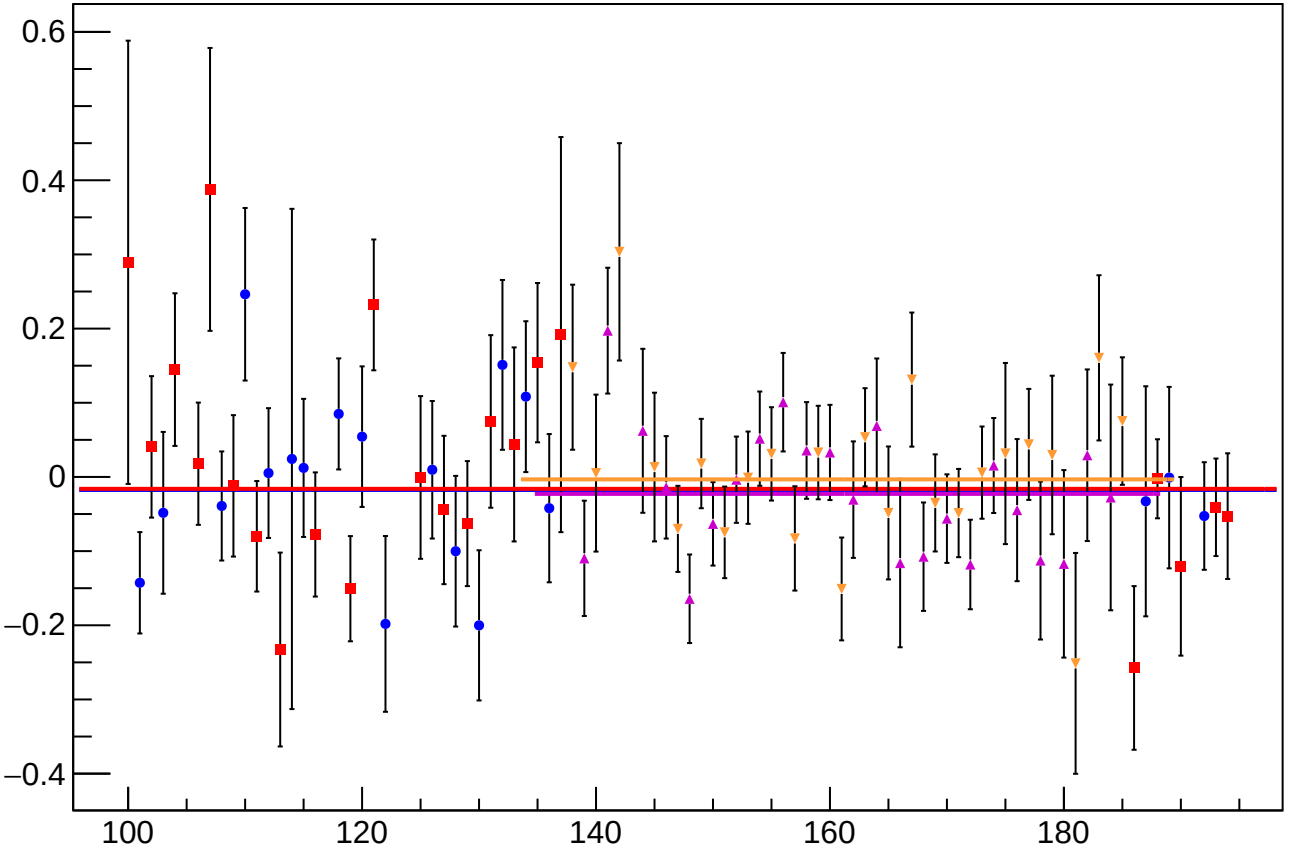
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

Right: 60.844+/-0.010 χ^2/NDF: 1684509.6/41

In: 62.596+/-0.009 χ^2/NDF:2197000.1/41

Out: 61.667+/-0.009 χ^2/NDF:2875568.4/46

All: 62.111+/-0.006 χ^2/NDF: 5078178.8/88



Right In: -0.018+/-0.022 χ^2/NDF: 21.6/18

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

Right Out: -0.016+/-0.019 χ^2/NDF: 34.3/22

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

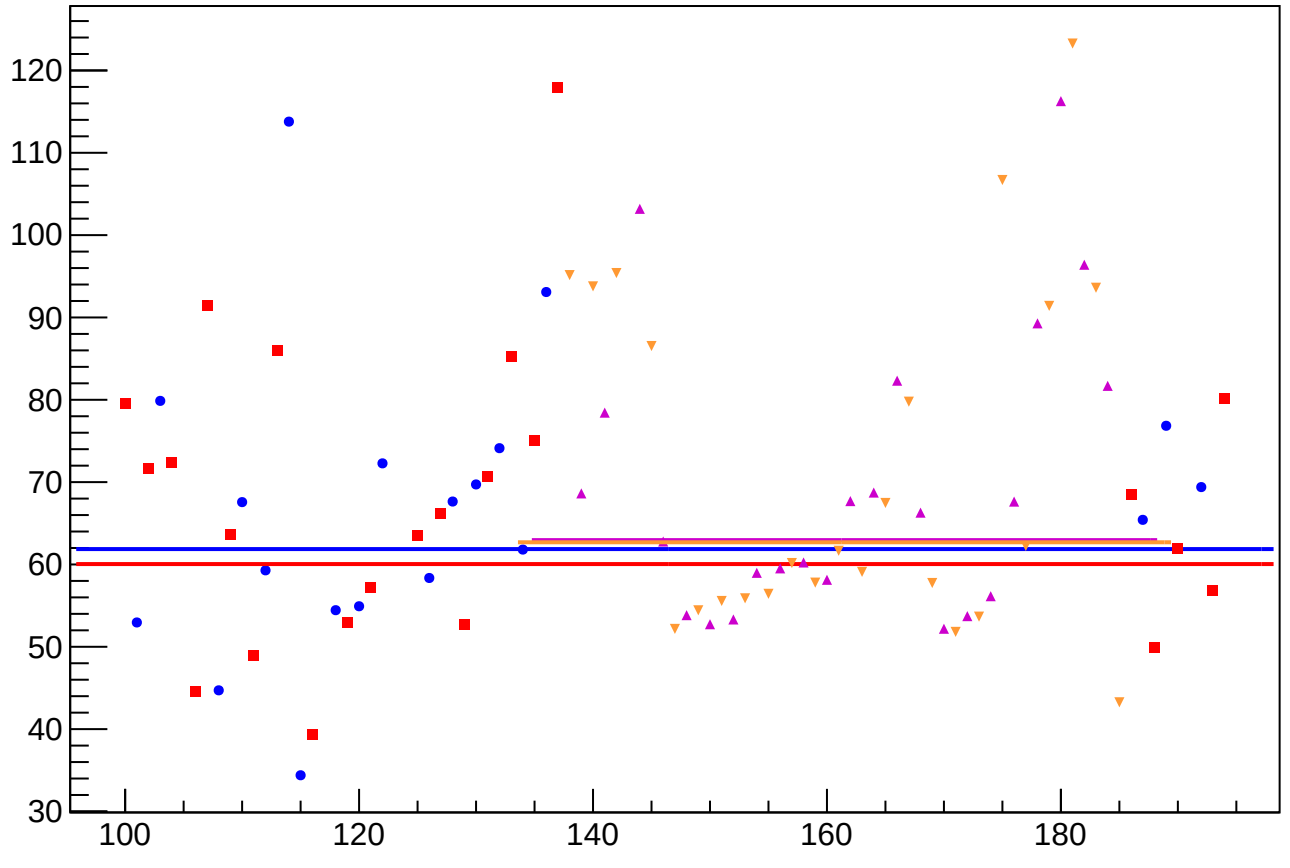
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.017+/-0.015 χ^2/NDF: 56.0/41

In: -0.021+/-0.013 χ^2/NDF:50.6/41

Out: -0.008+/-0.012 χ^2/NDF:60.5/46

All: -0.014+/-0.009 χ^2/NDF: 111.7/88



Right In: 61.868+/-0.016 χ^2/NDF: 763319.5/18

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

Right Out: 60.047+/-0.014 χ^2/NDF: 913526.9/22

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

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

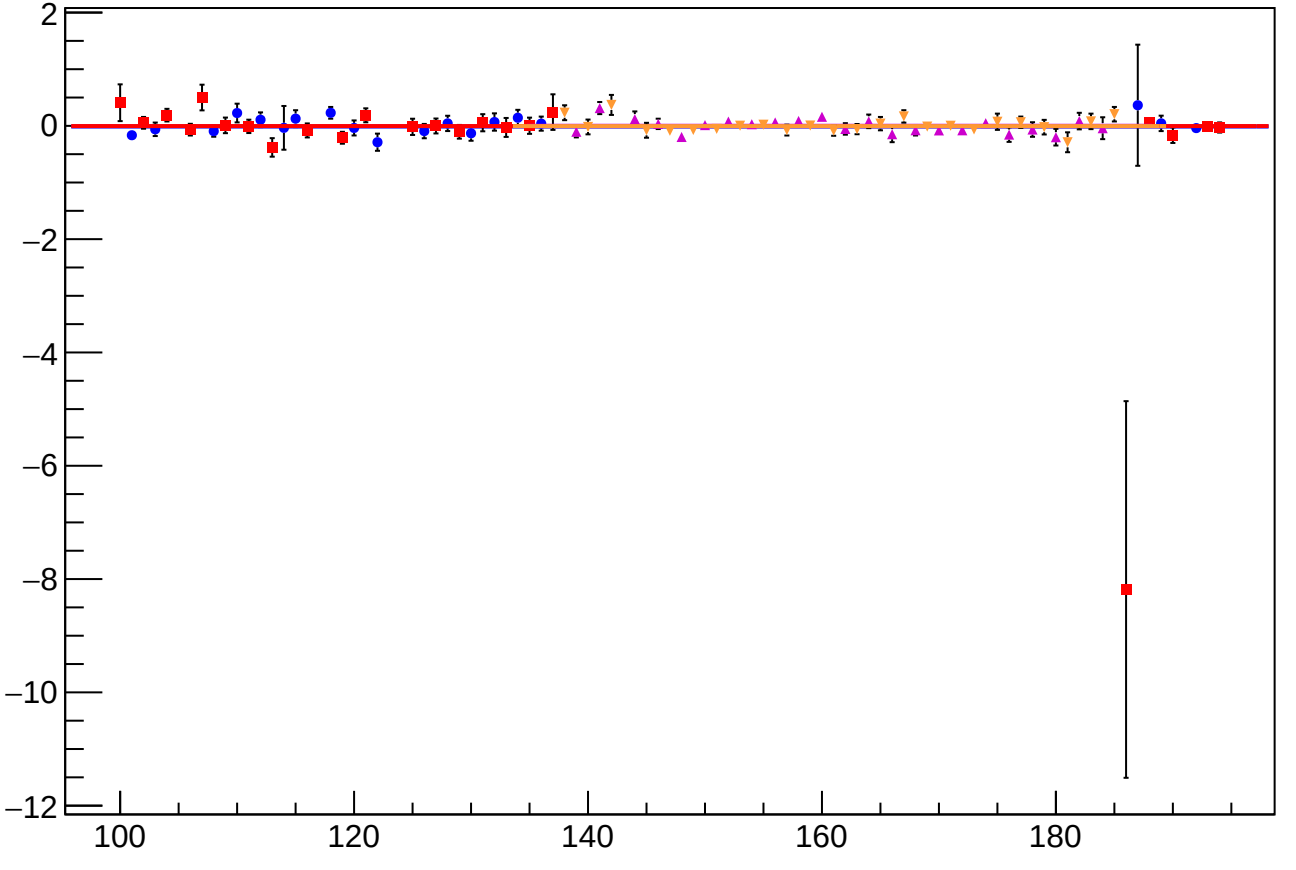
Right: 60.844+/-0.010 χ^2/NDF: 1684509.6/41

In: 62.596+/-0.009 χ^2/NDF:2197000.1/41

Out: 61.667+/-0.009 χ^2/NDF:2875568.4/46

All: 62.111+/-0.006 χ^2/NDF: 5078178.8/88

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.029 χ^2/NDF: 20.6/18

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

Right Out: -0.004+/-0.025 χ^2/NDF: 32.1/22

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

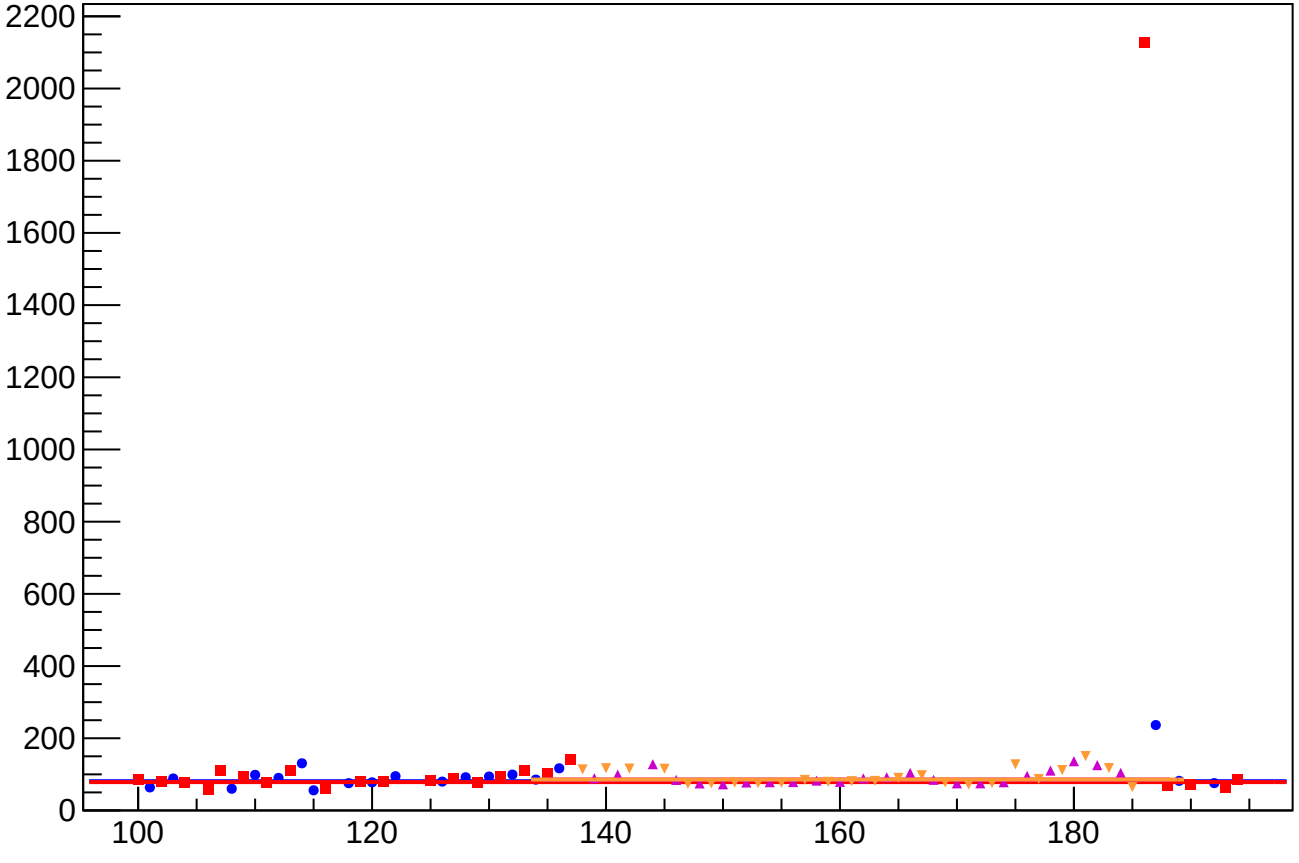
Right: -0.007+/-0.019 χ^2/NDF: 52.7/41

In: -0.003+/-0.017 χ^2/NDF:51.3/41

Out: -0.004+/-0.016 χ^2/NDF:53.4/46

All: -0.004+/-0.012 χ^2/NDF: 104.7/88

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 81.005+/-0.020 χ^2/NDF: 614070.8/18

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

Right Out: 78.567+/-0.018 χ^2/NDF: 1410815.9/22

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

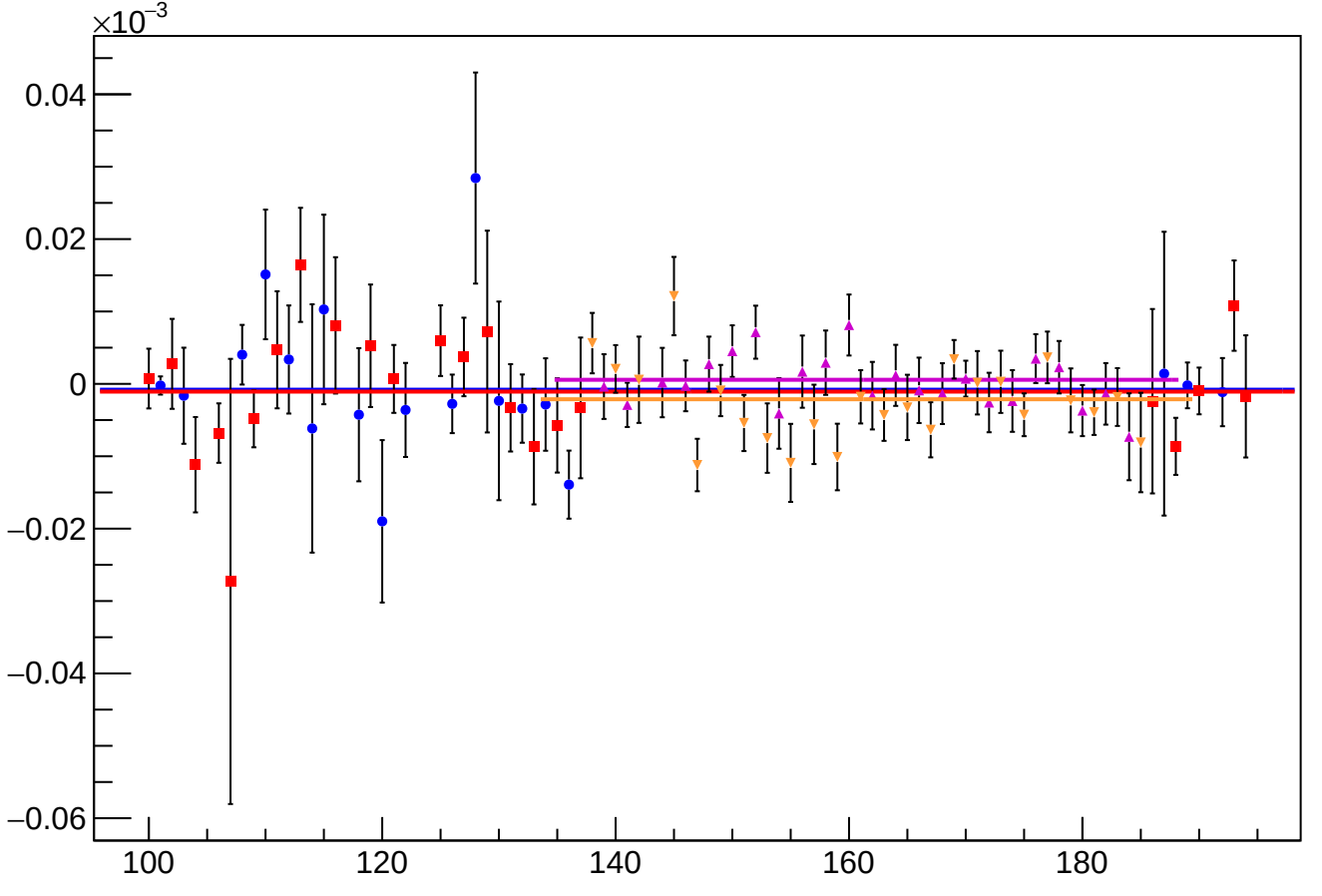
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 79.644+/-0.013 χ^2/NDF: 2032963.1/41

In: 84.079+/-0.012 χ^2/NDF:1644924.7/41

Out: 82.840+/-0.011 χ^2/NDF:2856650.3/46

All: 83.433+/-0.008 χ^2/NDF: 4507268.0/88



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/18

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

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/22

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

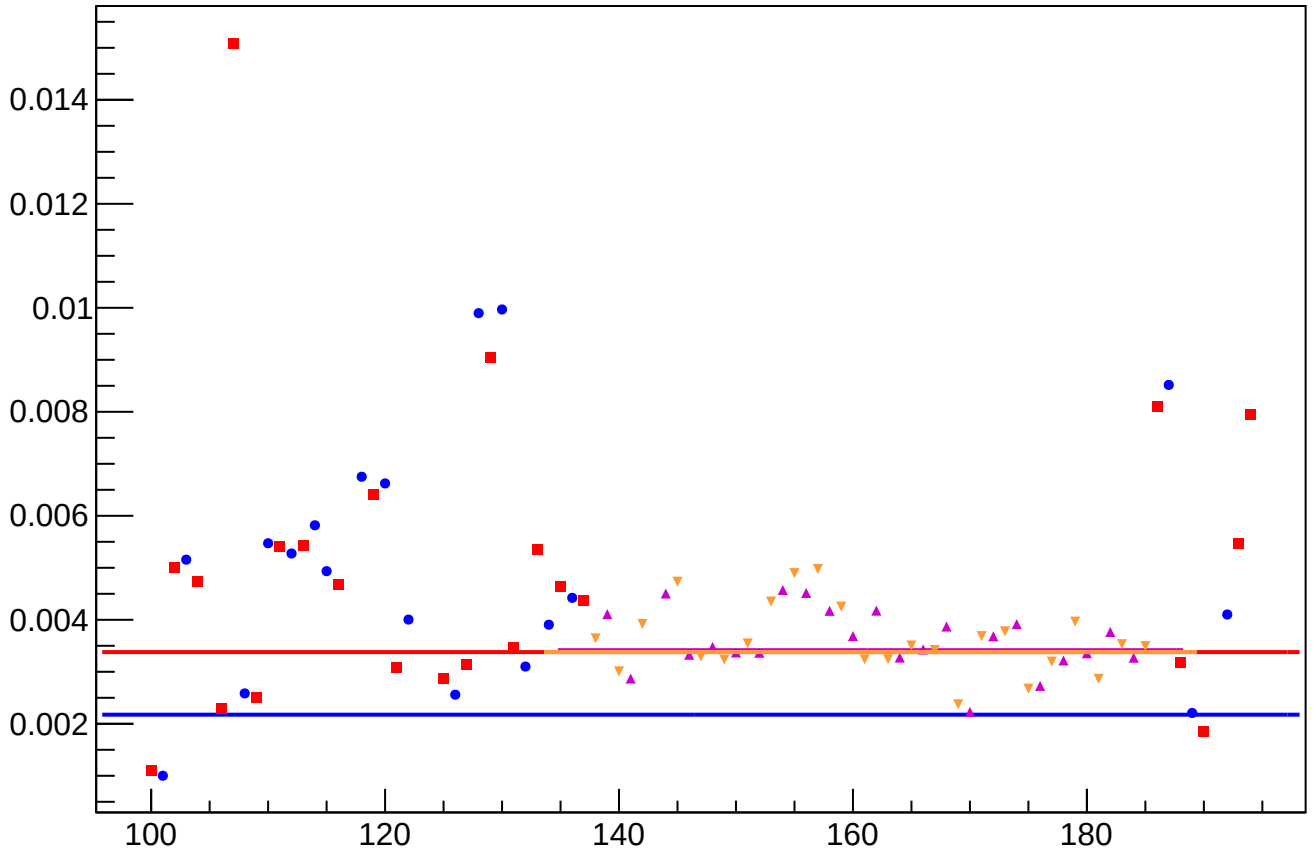
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

Right: -0.000+/-0.000 χ^2/NDF: 47.1/41

In: -0.000+/-0.000 χ^2/NDF:39.2/41

Out: -0.000+/-0.000 χ^2/NDF:63.7/46

All: -0.000+/-0.000 χ^2/NDF: 106.7/88



Right In: 0.002+/-0.000 χ^2/NDF: 6380703.3/18

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

Right Out: 0.003+/-0.000 χ^2/NDF: 4025954.4/22

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

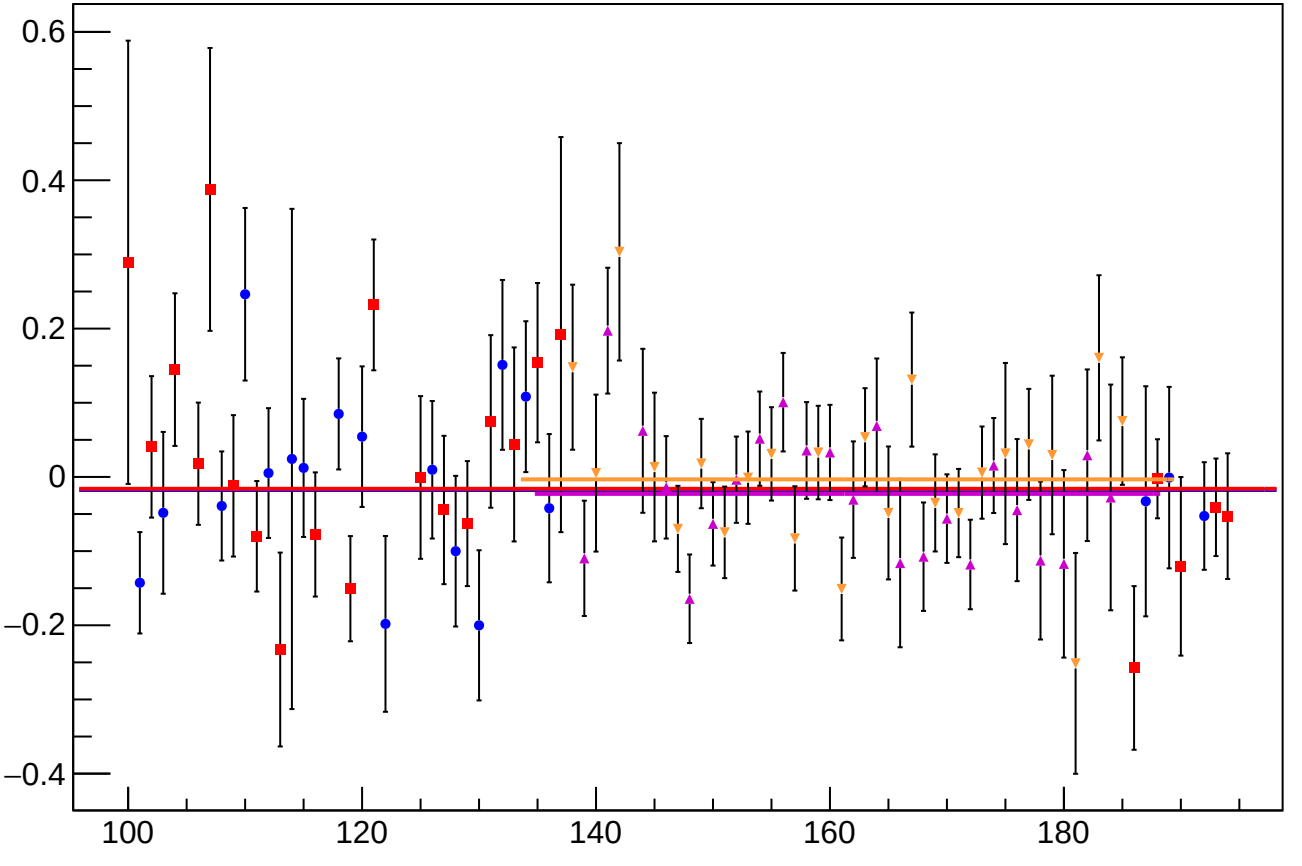
Left: 0.003+/-0.000 χ^2/NDF: 2367900.3/46

Right: 0.003+/-0.000 χ^2/NDF: 11658349.5/41

In: 0.003+/-0.000 χ^2/NDF:9538983.7/41

Out: 0.003+/-0.000 χ^2/NDF:5221592.9/46

All: 0.003+/-0.000 χ^2/NDF: 15357493.4/88



Right In: -0.018+/-0.022 χ^2/NDF: 21.6/18

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

Right Out: -0.016+/-0.019 χ^2/NDF: 34.3/22

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

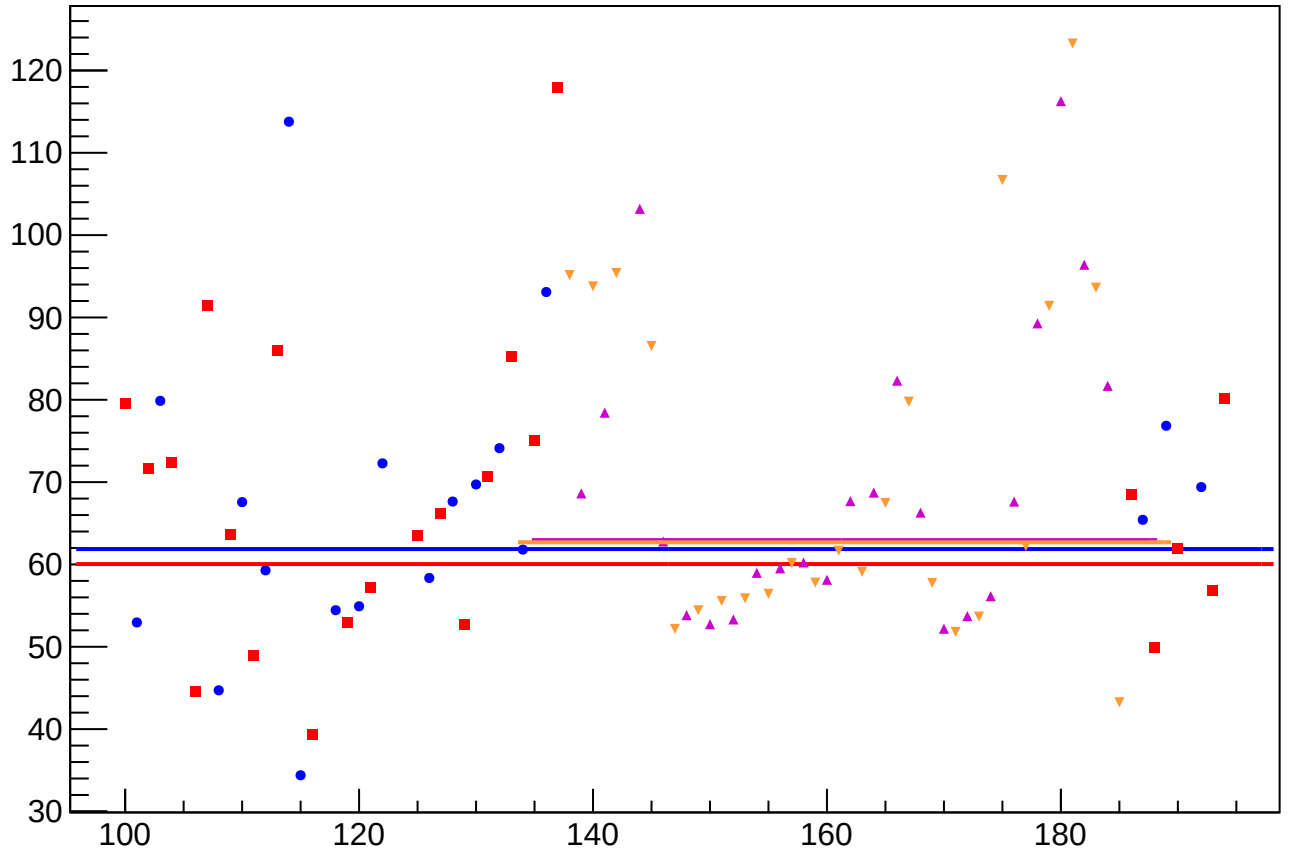
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.017+/-0.015 χ^2/NDF: 56.0/41

In: -0.021+/-0.013 χ^2/NDF:50.6/41

Out: -0.008+/-0.012 χ^2/NDF:60.5/46

All: -0.014+/-0.009 χ^2/NDF: 111.7/88



Right In: 61.867+/-0.016 χ^2/NDF: 763350.3/18

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

Right Out: 60.047+/-0.014 χ^2/NDF: 913523.0/22

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

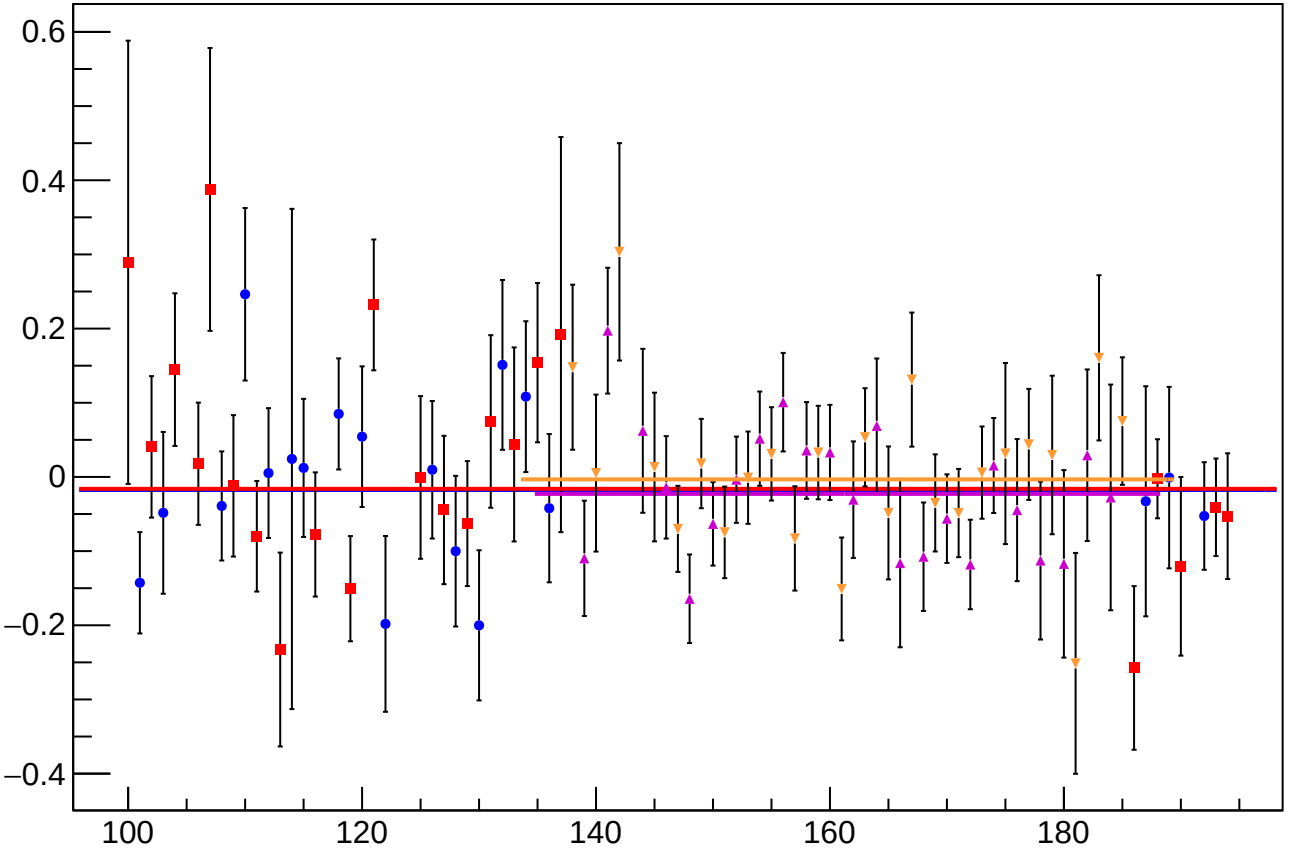
Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

Right: 60.843+/-0.010 χ^2/NDF: 1684534.8/41

In: 62.596+/-0.009 χ^2/NDF:2197015.0/41

Out: 61.667+/-0.009 χ^2/NDF:2875570.0/46

All: 62.111+/-0.006 χ^2/NDF: 5078194.6/88



Right In: -0.018+/-0.022 χ^2/NDF: 21.6/18

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

Right Out: -0.016+/-0.019 χ^2/NDF: 34.3/22

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

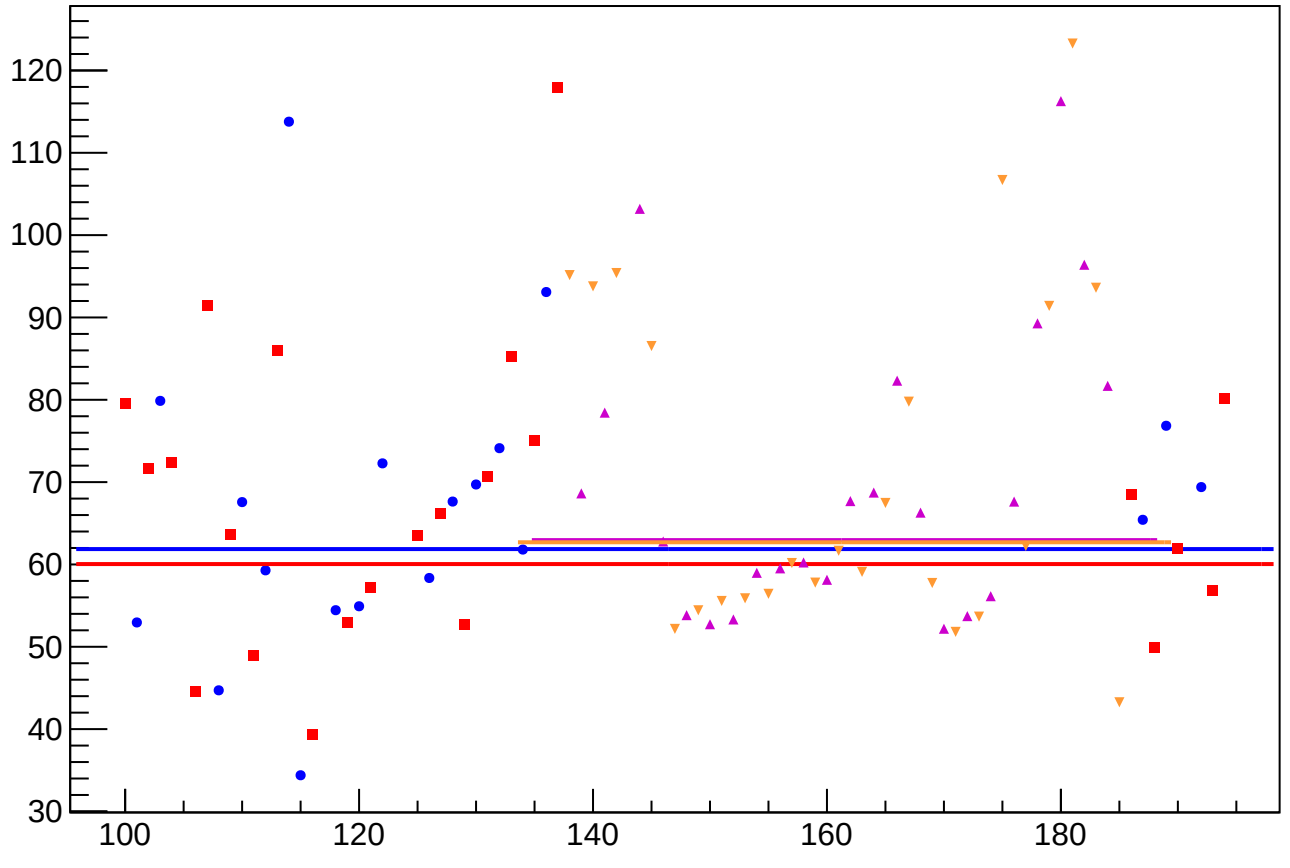
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.017+/-0.015 χ^2/NDF: 56.0/41

In: -0.021+/-0.013 χ^2/NDF:50.6/41

Out: -0.008+/-0.012 χ^2/NDF:60.5/46

All: -0.014+/-0.009 χ^2/NDF: 111.7/88



Right In: 61.867+/-0.016 χ^2/NDF: 763350.3/18

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

Right Out: 60.047+/-0.014 χ^2/NDF: 913523.0/22

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

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

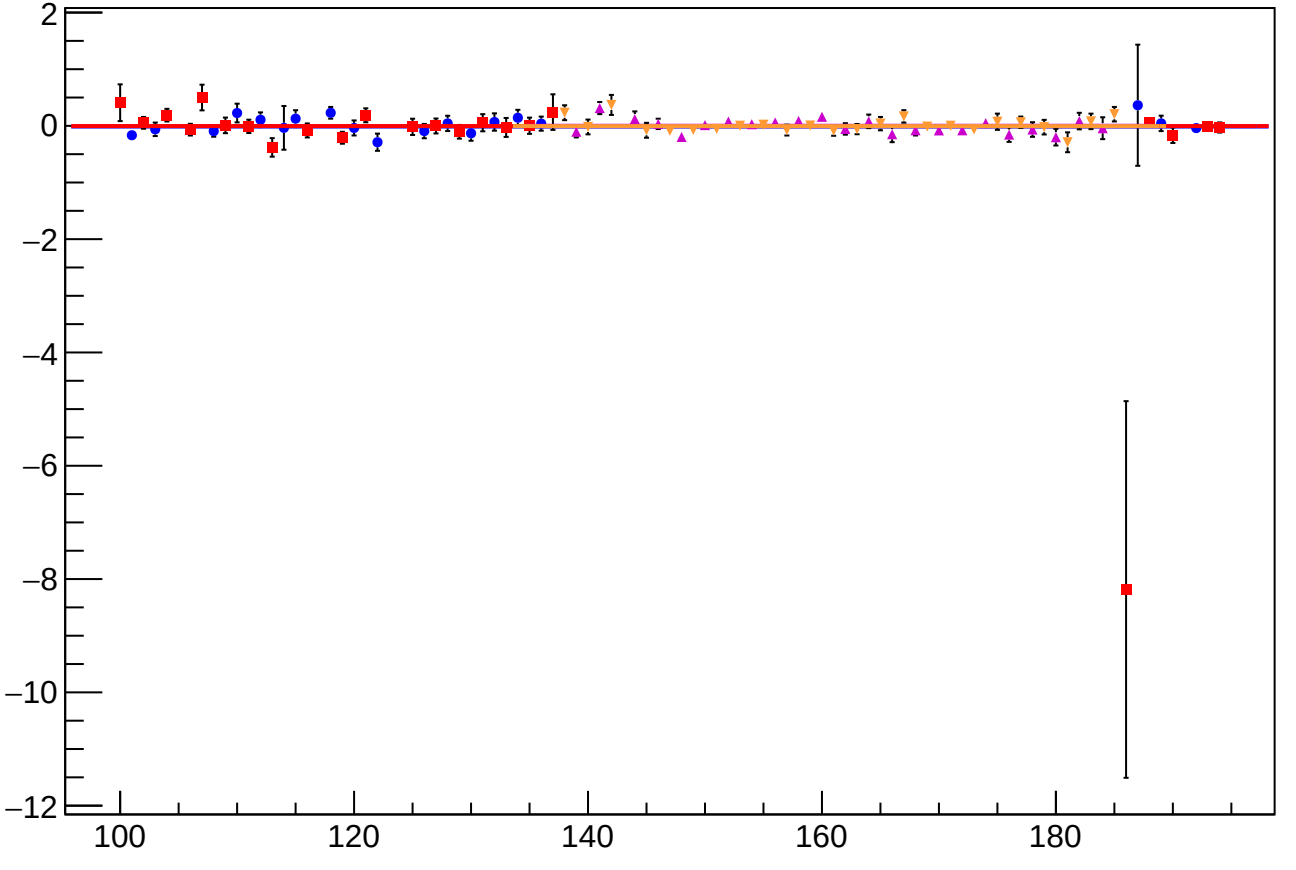
Right: 60.843+/-0.010 χ^2/NDF: 1684534.8/41

In: 62.596+/-0.009 χ^2/NDF:2197015.0/41

Out: 61.667+/-0.009 χ^2/NDF:2875570.0/46

All: 62.111+/-0.006 χ^2/NDF: 5078194.6/88

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.029 χ^2/NDF: 20.6/18

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

Right Out: -0.004+/-0.025 χ^2/NDF: 32.1/22

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

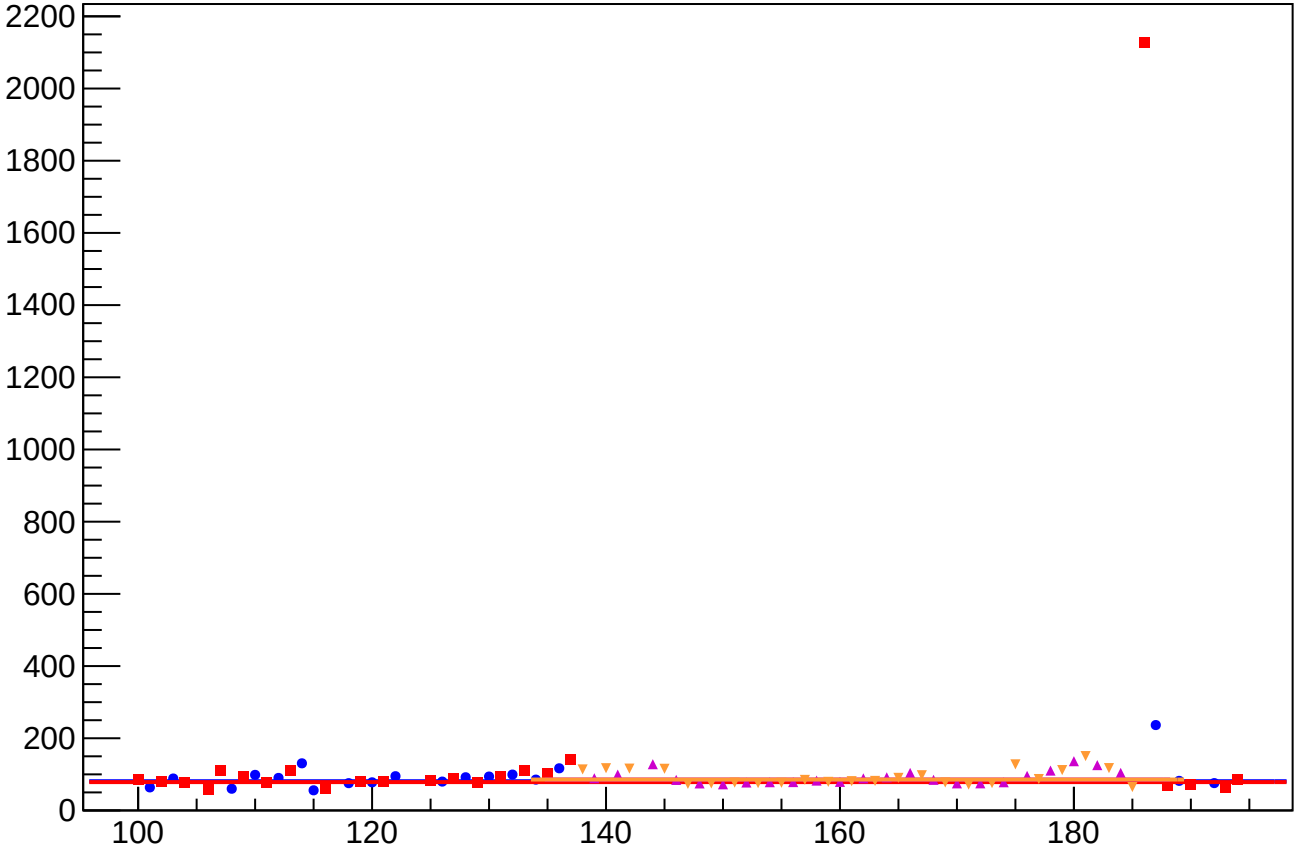
Right: -0.007+/-0.019 χ^2/NDF: 52.7/41

In: -0.003+/-0.017 χ^2/NDF:51.3/41

Out: -0.004+/-0.016 χ^2/NDF:53.4/46

All: -0.004+/-0.012 χ^2/NDF: 104.7/88

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 81.004+/-0.020 χ^2/NDF: 614058.2/18

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

Right Out: 78.567+/-0.018 χ^2/NDF: 1410793.4/22

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

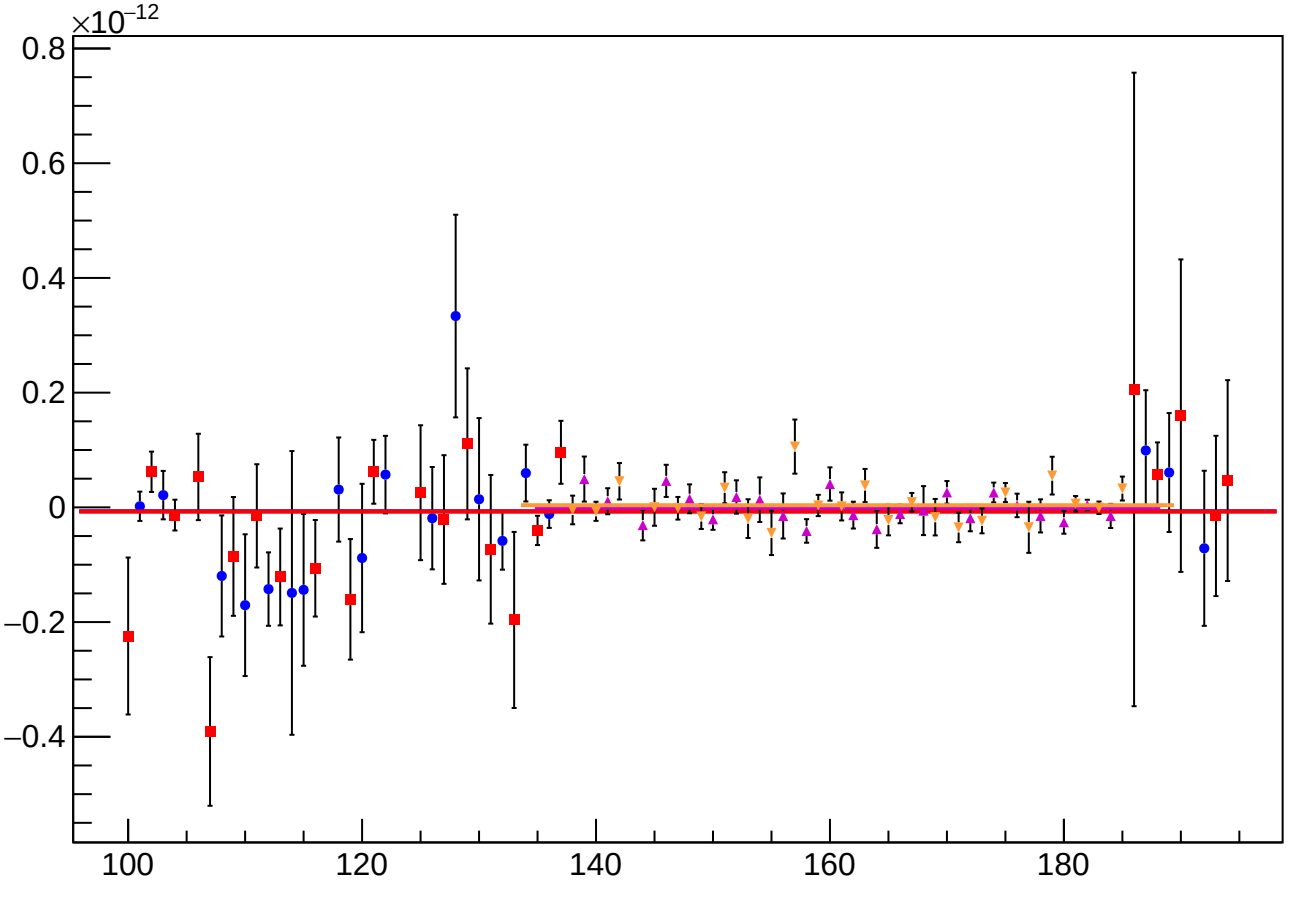
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 79.644+/-0.013 χ^2/NDF: 2032927.0/41

In: 84.079+/-0.012 χ^2/NDF:1644917.8/41

Out: 82.840+/-0.011 χ^2/NDF:2856642.2/46

All: 83.432+/-0.008 χ^2/NDF: 4507252.6/88



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/18

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

Right Out: -0.000+/-0.000 χ^2/NDF: 33.2/22

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

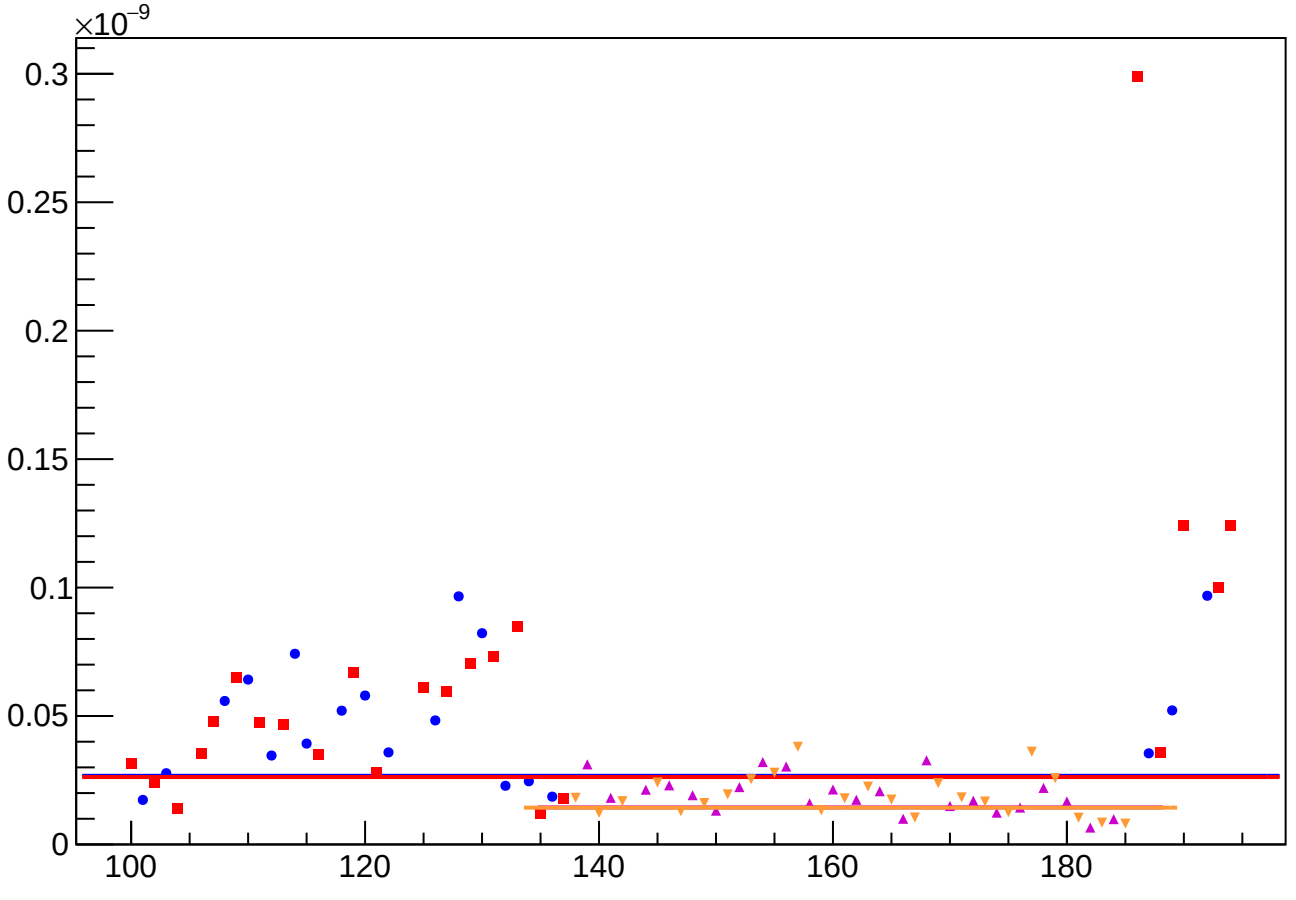
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: -0.000+/-0.000 χ^2/NDF: 52.4/41

In: -0.000+/-0.000 χ^2/NDF:43.0/41

Out: 0.000+/-0.000 χ^2/NDF:58.8/46

All: 0.000+/-0.000 χ^2/NDF: 102.3/88



Right In: 0.000+/-0.000 χ^2/NDF: 2689175.8/18

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

Right Out: 0.000+/-0.000 χ^2/NDF: 5128716.8/22

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

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

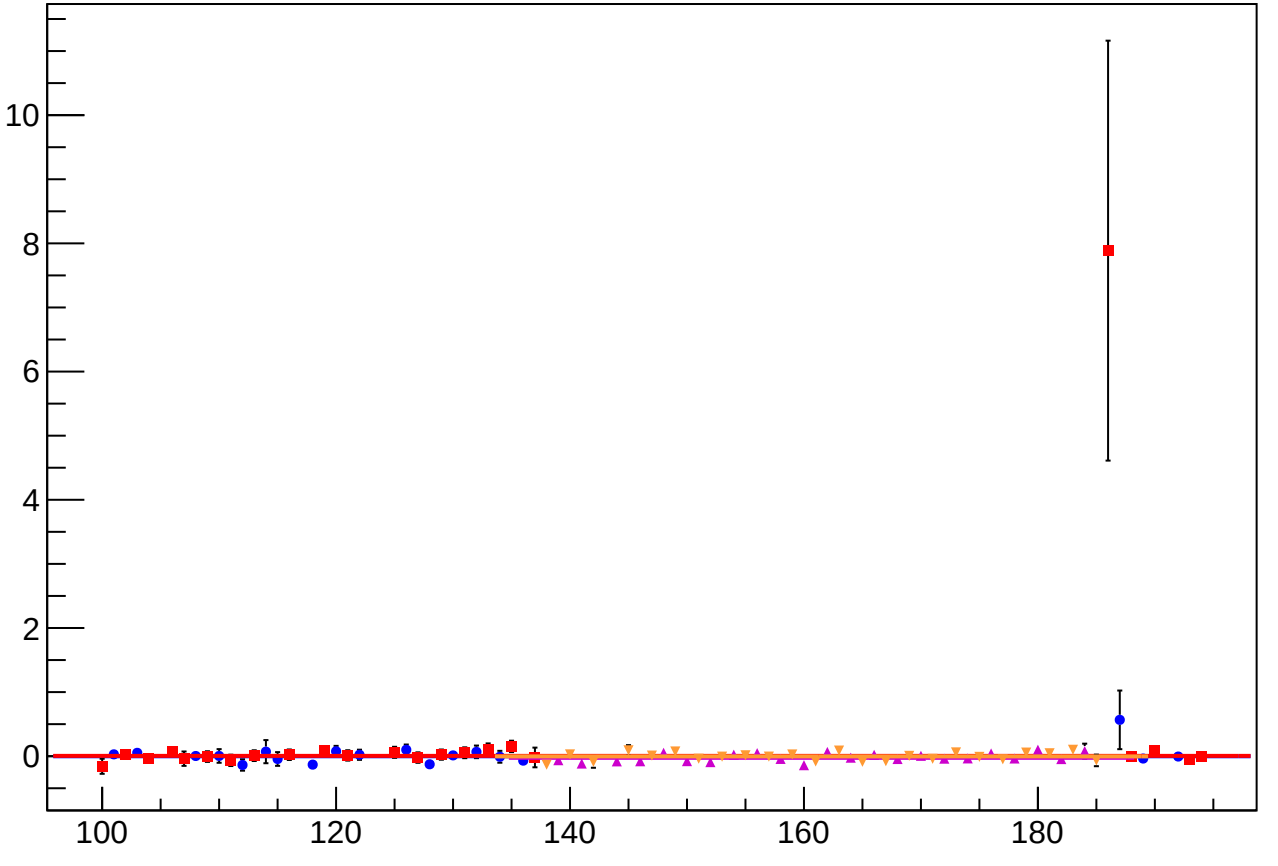
Right: 0.000+/-0.000 χ^2/NDF: 7819230.6/41

In: 0.000+/-0.000 χ^2/NDF:8552980.1/41

Out: 0.000+/-0.000 χ^2/NDF:10267858.5/46

All: 0.000+/-0.000 χ^2/NDF: 18822059.2/88

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.013 χ^2/NDF: 18.1/18

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

Right Out: 0.005+/-0.011 χ^2/NDF: 25.3/22

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

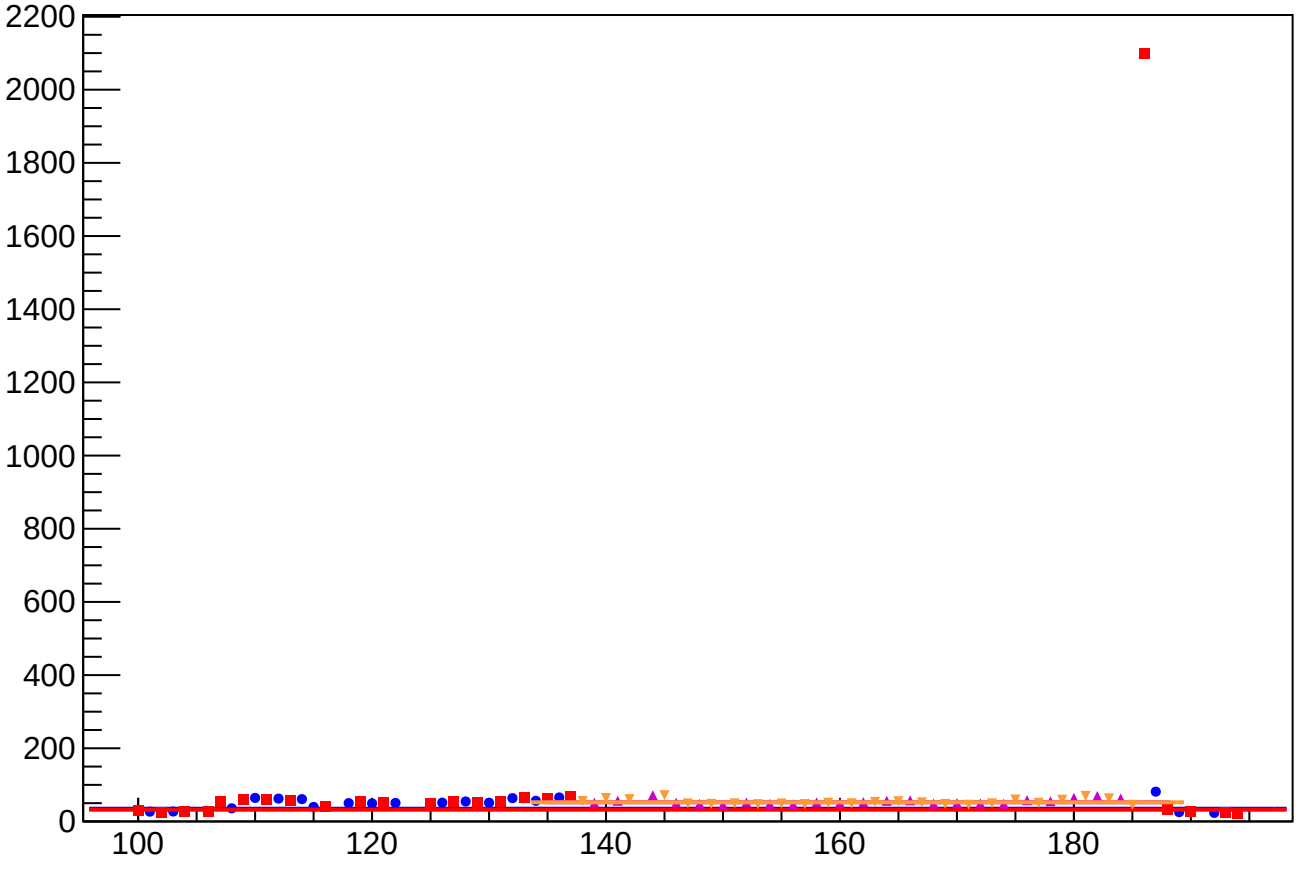
Right: 0.002+/-0.008 χ^2/NDF: 43.5/41

In: -0.014+/-0.009 χ^2/NDF:44.2/41

Out: 0.001+/-0.008 χ^2/NDF:48.7/46

All: -0.006+/-0.006 χ^2/NDF: 94.4/88

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.749+/-0.009 χ^2/NDF: 2356353.3/18

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

Right Out: 32.090+/-0.008 χ^2/NDF: 3537476.2/22

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

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

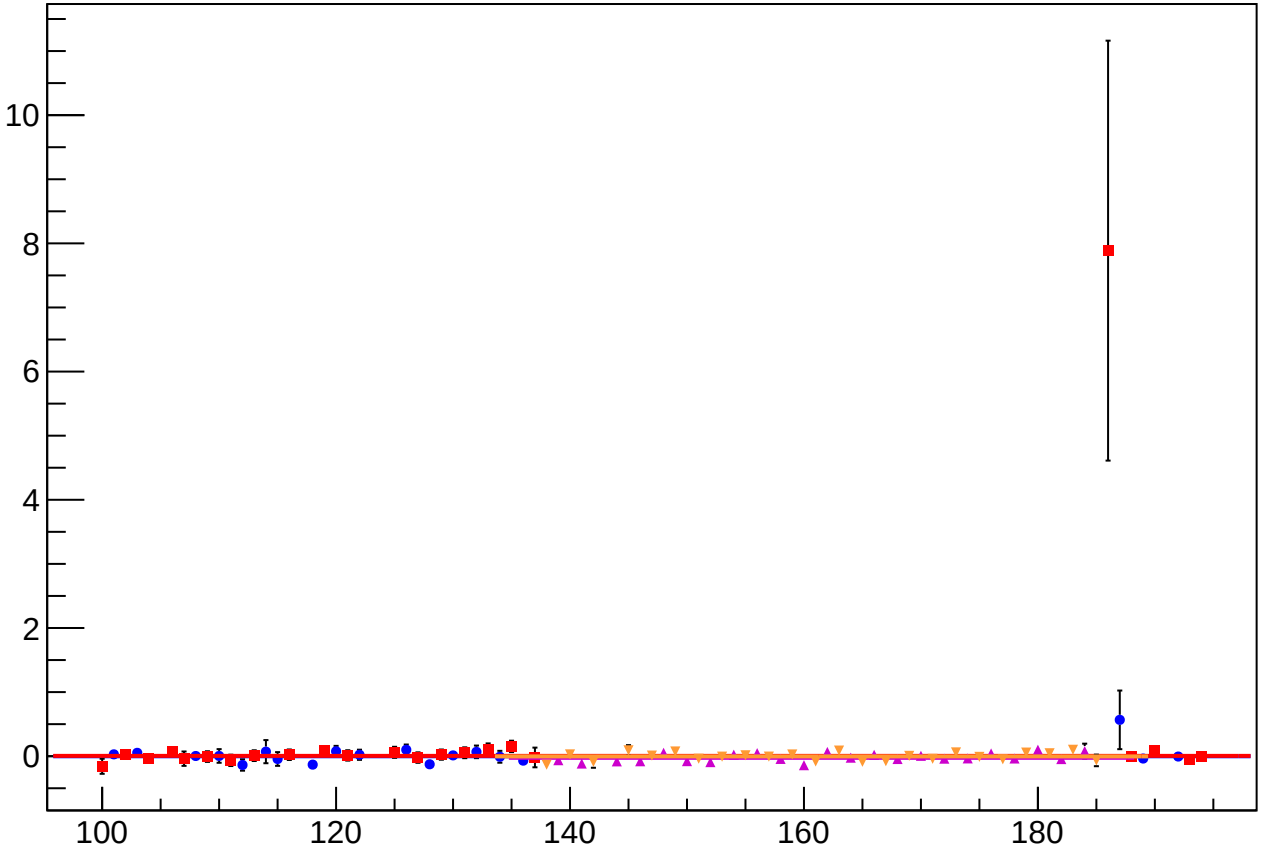
Right: 33.212+/-0.006 χ^2/NDF: 5942329.8/41

In: 43.947+/-0.006 χ^2/NDF:4735816.7/41

Out: 41.088+/-0.006 χ^2/NDF:7023996.2/46

All: 42.396+/-0.004 χ^2/NDF: 11869092.9/88

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.013 χ^2/NDF: 18.1/18

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

Right Out: 0.005+/-0.011 χ^2/NDF: 25.3/22

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

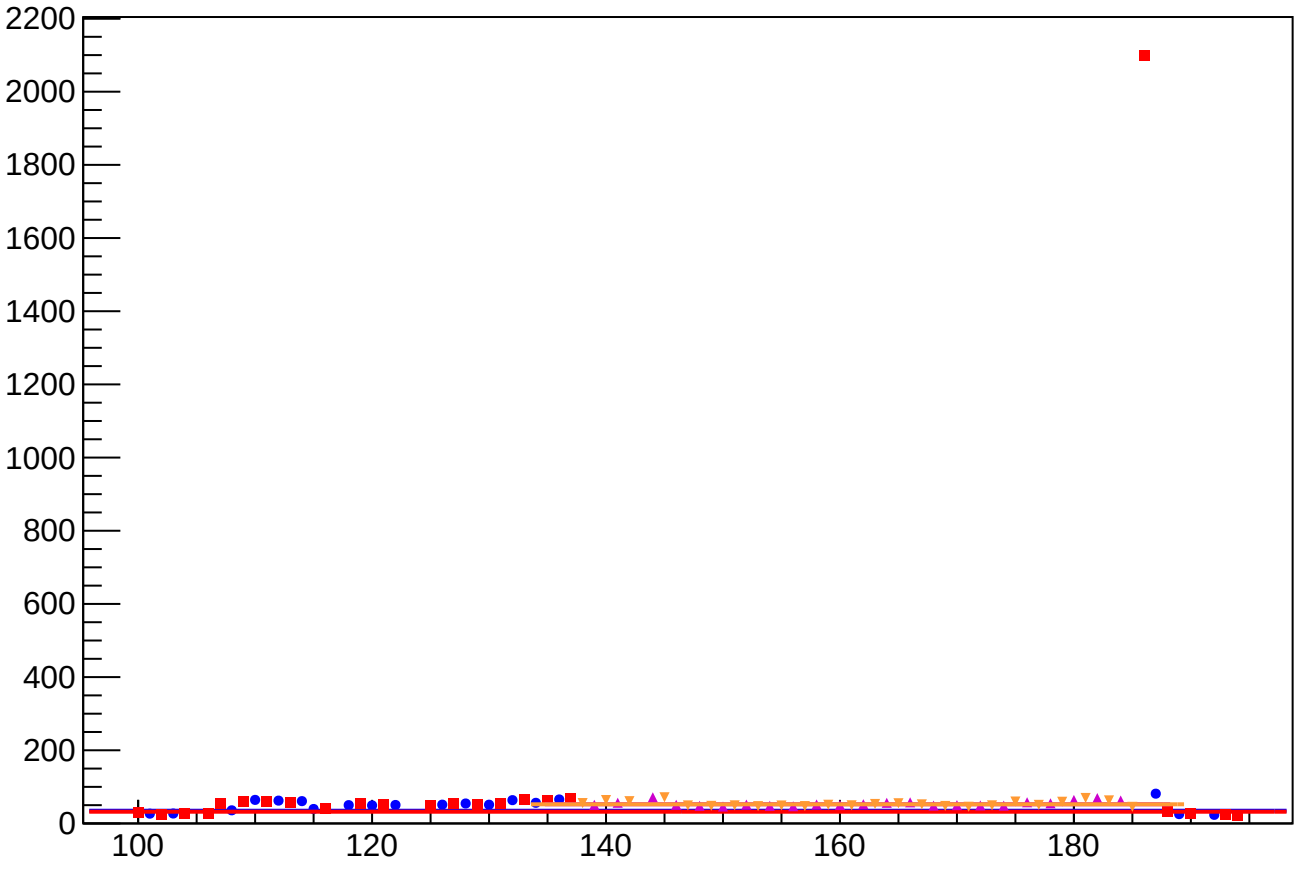
Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

Right: 0.002+/-0.008 χ^2/NDF: 43.5/41

In: -0.014+/-0.009 χ^2/NDF:44.2/41

Out: 0.001+/-0.008 χ^2/NDF:48.7/46

All: -0.006+/-0.006 χ^2/NDF: 94.4/88



Right In: 34.749+/-0.009 χ^2/NDF: 2356353.3/18

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

Right Out: 32.090+/-0.008 χ^2/NDF: 3537476.2/22

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

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

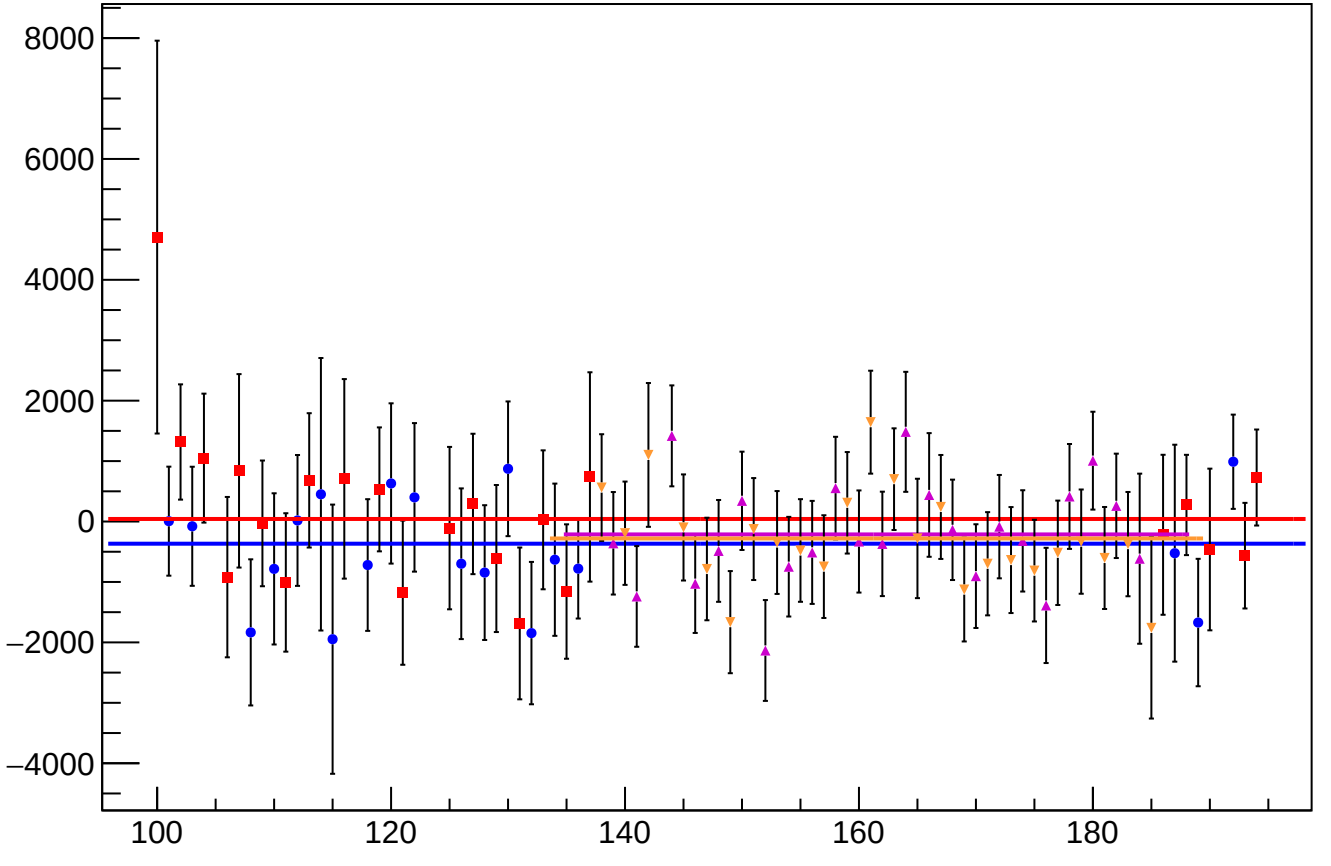
Right: 33.212+/-0.006 χ^2/NDF: 5942329.8/41

In: 43.947+/-0.006 χ^2/NDF:4735816.7/41

Out: 41.088+/-0.006 χ^2/NDF:7023996.2/46

All: 42.396+/-0.004 χ^2/NDF: 11869092.9/88

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -366.861+/-259.667 χ^2/NDF: 11.6/18

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

Right Out: 42.378+/-238.873 χ^2/NDF: 13.2/22

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

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

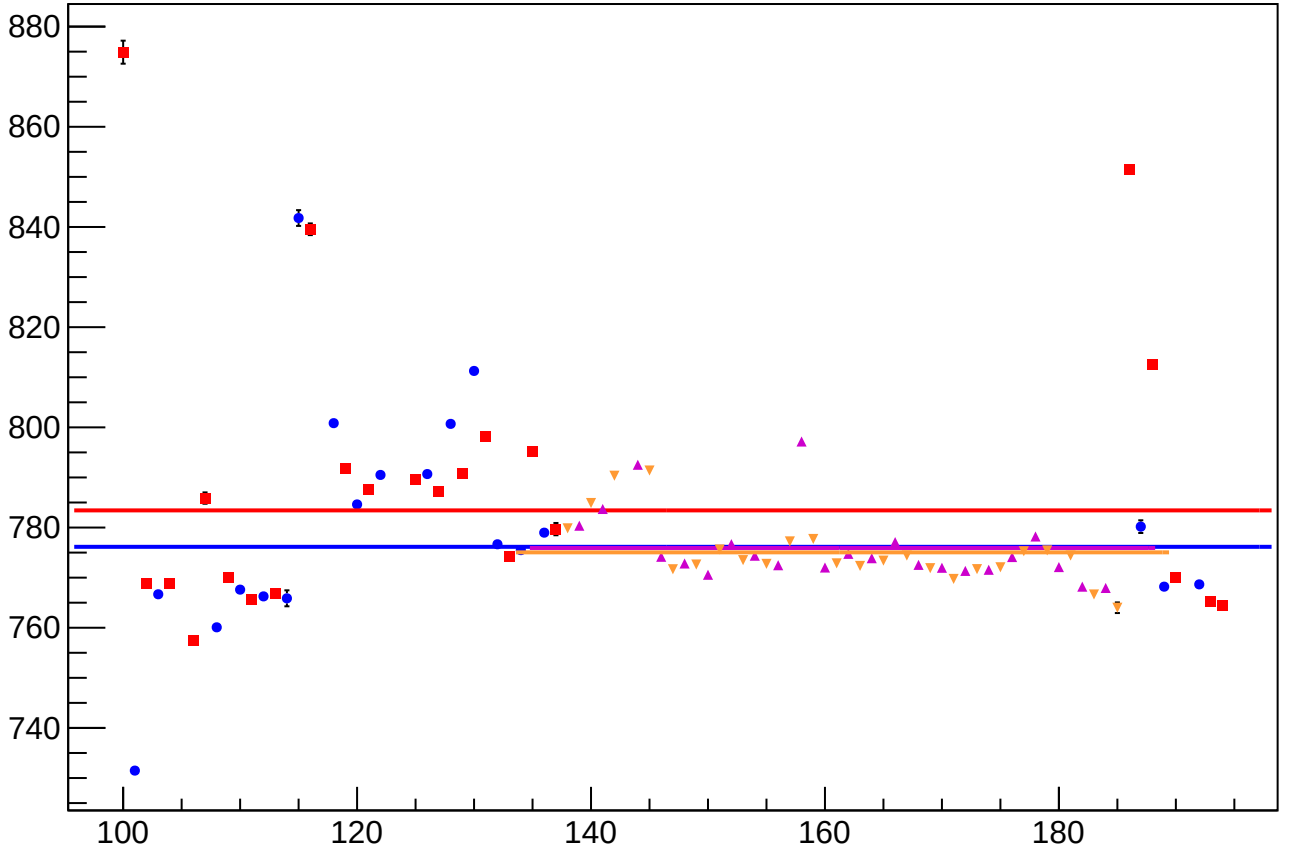
Right: -145.202+/-175.801 χ^2/NDF: 26.1/41

In: -263.661+/-148.579 χ^2/NDF:34.2/41

Out: -163.575+/-143.695 χ^2/NDF:30.4/46

All: -211.946+/-103.291 χ^2/NDF: 64.8/88

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 776.153+/-0.184 χ^2/NDF: 12419.4/18

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

Right Out: 783.426+/-0.169 χ^2/NDF: 17671.0/22

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

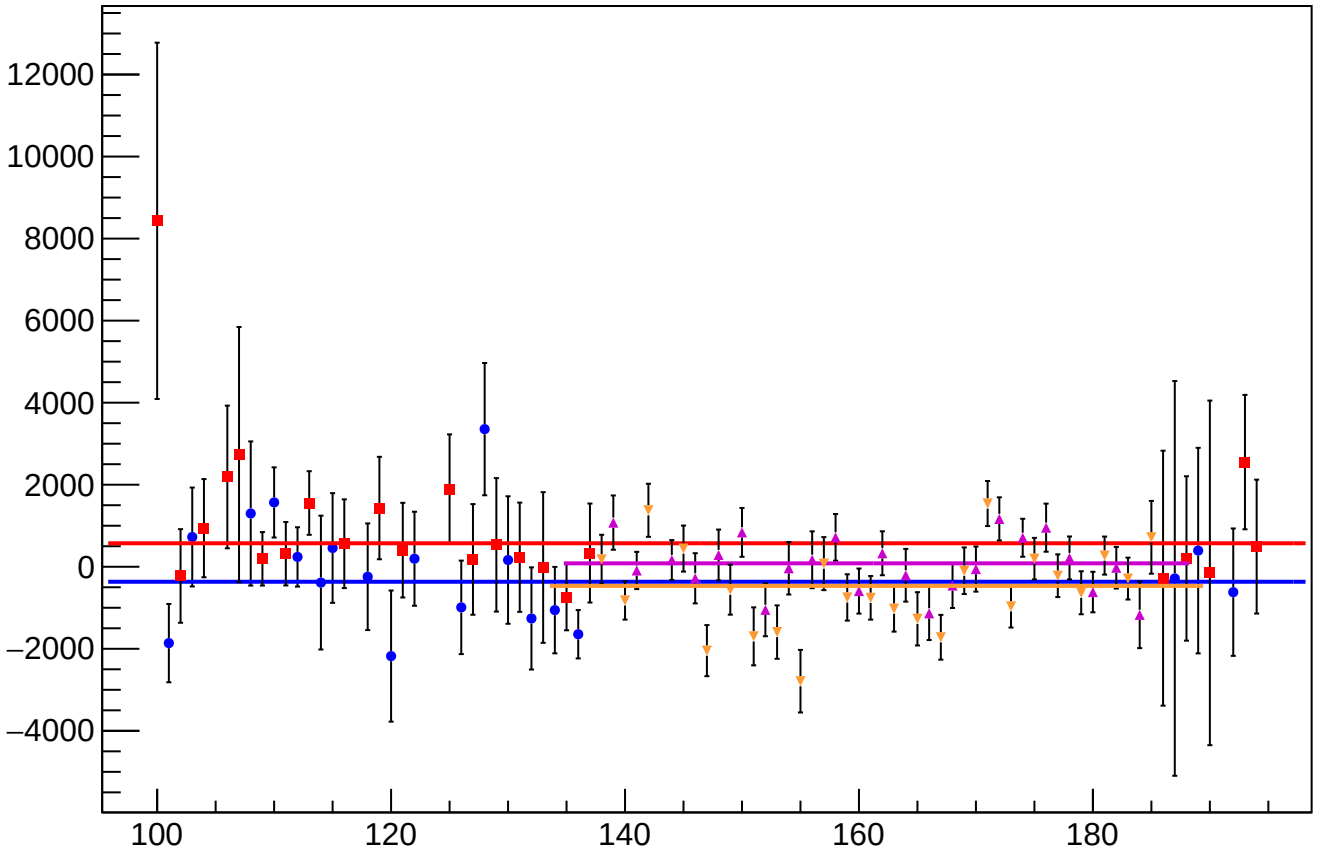
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 780.092+/-0.124 χ^2/NDF: 30940.3/41

In: 775.998+/-0.105 χ^2/NDF:15393.4/41

Out: 778.081+/-0.102 χ^2/NDF:21191.7/46

All: 777.074+/-0.073 χ^2/NDF: 36788.3/88



Right In: -365.645+/-261.032 χ^2/NDF: 23.4/18

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

Right Out: 572.441+/-252.985 χ^2/NDF: 13.3/22

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

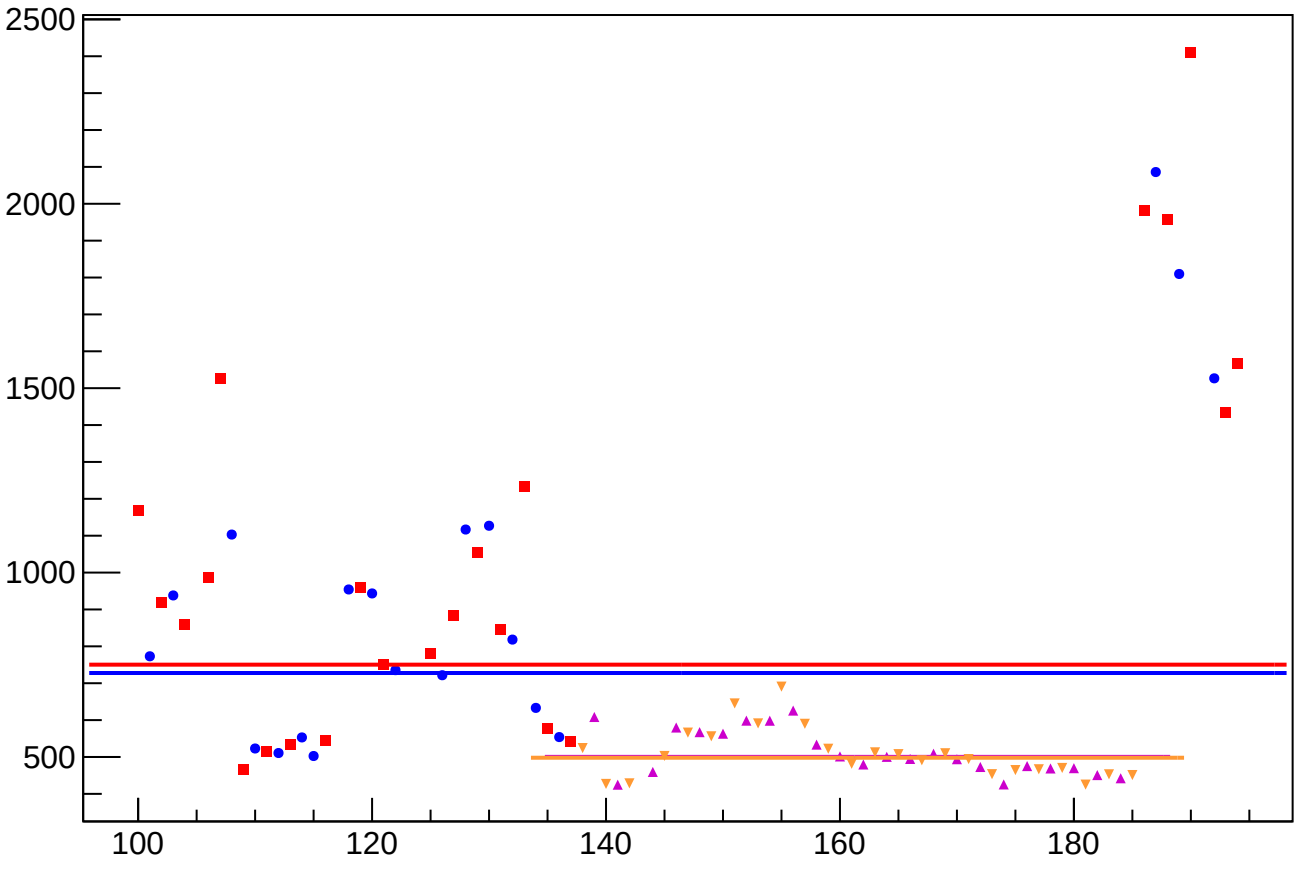
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 118.080+/-181.666 χ^2/NDF: 43.4/41

In: 7.209+/-107.379 χ^2/NDF:54.0/41

Out: -284.717+/-105.978 χ^2/NDF:91.6/46

All: -140.670+/-75.428 χ^2/NDF: 149.4/88



Right In: 727.706+/-0.185 χ^2/NDF: 2138402.3/18

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

Right Out: 750.324+/-0.179 χ^2/NDF: 3677889.8/22

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

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

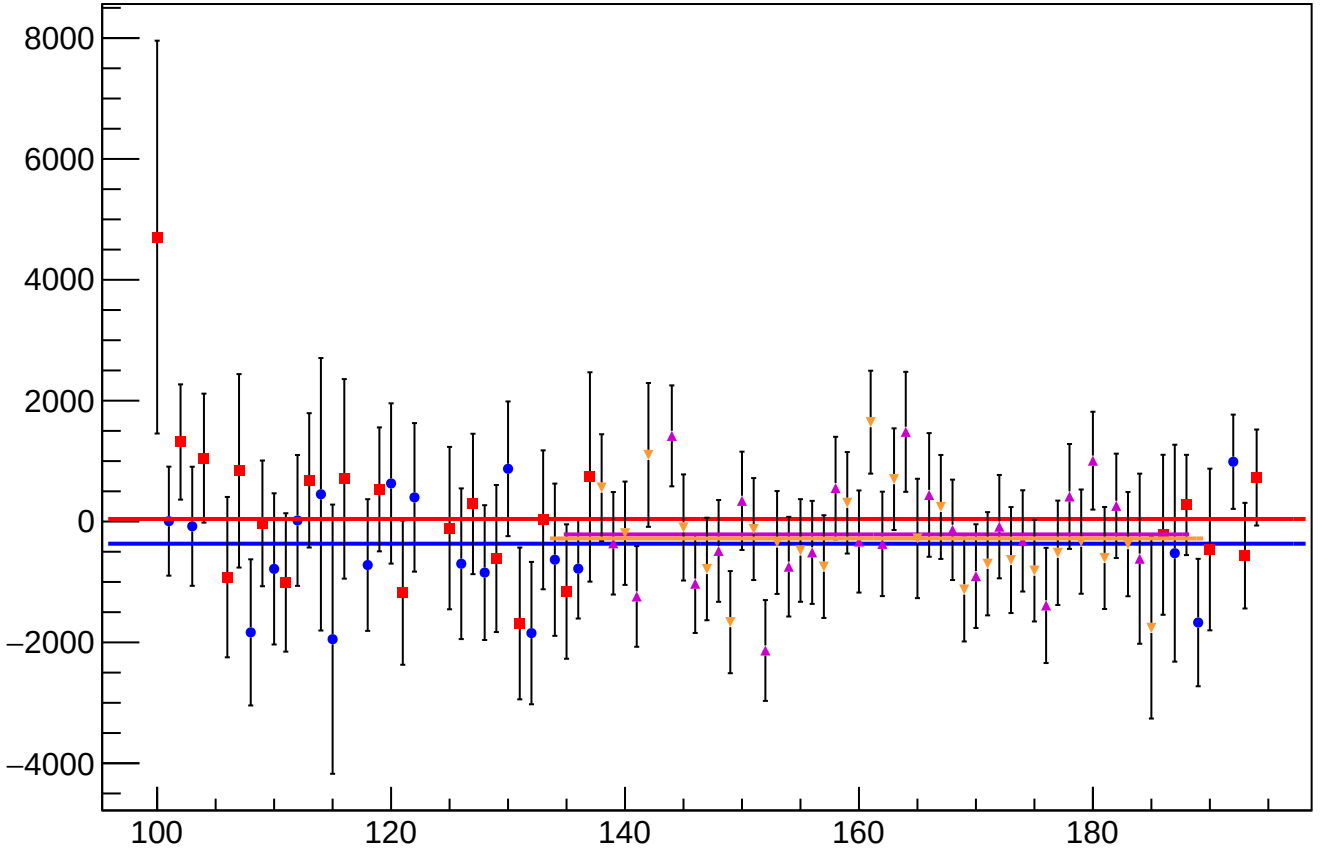
Right: 739.369+/-0.128 χ^2/NDF: 5824035.3/41

In: 538.787+/-0.076 χ^2/NDF:3876768.0/41

Out: 542.251+/-0.075 χ^2/NDF:5845752.0/46

All: 540.542+/-0.053 χ^2/NDF: 9723574.5/88

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -366.861+/-259.667 χ^2/NDF: 11.6/18

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

Right Out: 42.378+/-238.873 χ^2/NDF: 13.2/22

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

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

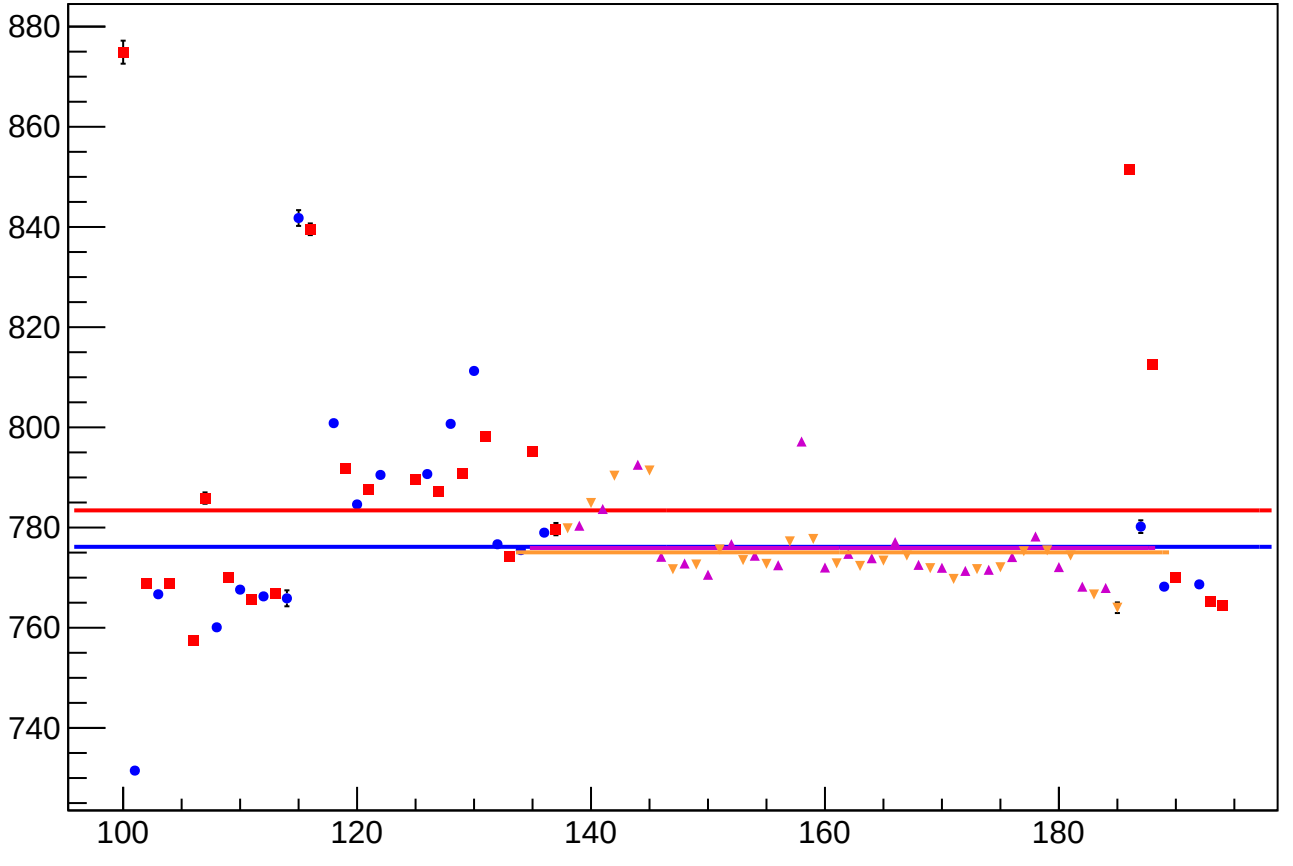
Right: -145.202+/-175.801 χ^2/NDF: 26.1/41

In: -263.661+/-148.579 χ^2/NDF:34.2/41

Out: -163.575+/-143.695 χ^2/NDF:30.4/46

All: -211.946+/-103.291 χ^2/NDF: 64.8/88

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 776.153+/-0.184 χ^2/NDF: 12419.4/18

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

Right Out: 783.426+/-0.169 χ^2/NDF: 17671.0/22

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

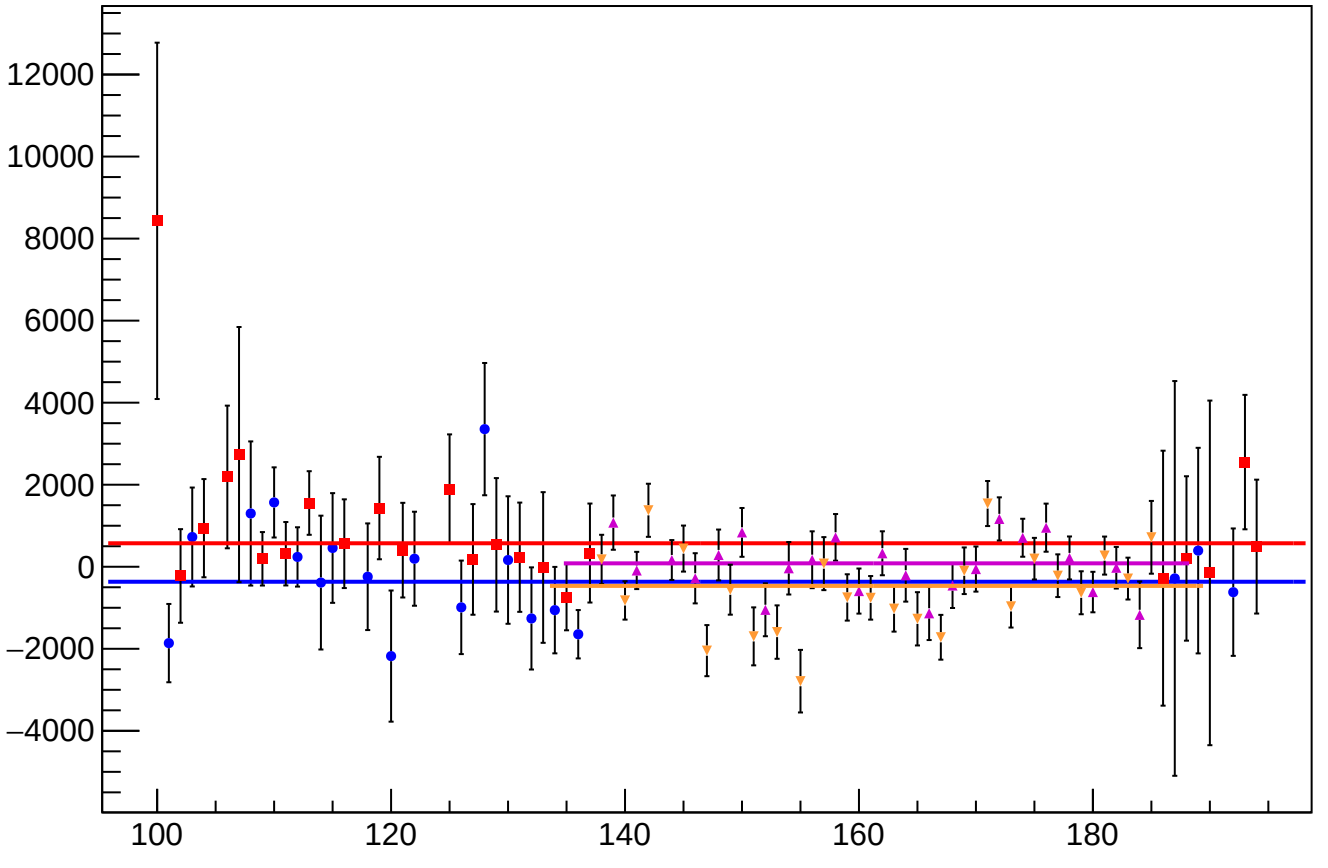
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 780.092+/-0.124 χ^2/NDF: 30940.3/41

In: 775.998+/-0.105 χ^2/NDF:15393.4/41

Out: 778.081+/-0.102 χ^2/NDF:21191.7/46

All: 777.074+/-0.073 χ^2/NDF: 36788.3/88



Right In: -365.645+/-261.032 χ^2/NDF: 23.4/18

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

Right Out: 572.441+/-252.985 χ^2/NDF: 13.3/22

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

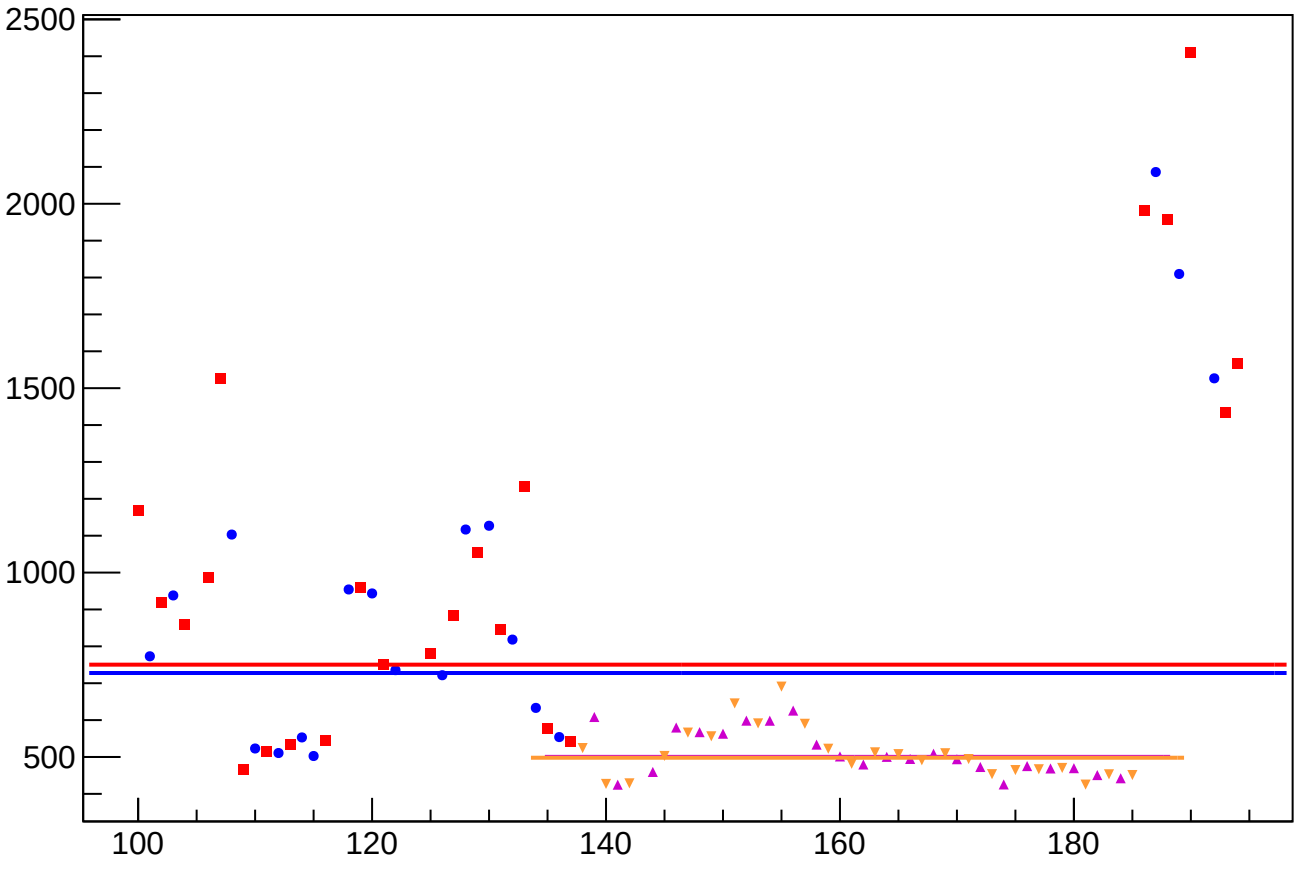
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 118.080+/-181.666 χ^2/NDF: 43.4/41

In: 7.209+/-107.379 χ^2/NDF:54.0/41

Out: -284.717+/-105.978 χ^2/NDF:91.6/46

All: -140.670+/-75.428 χ^2/NDF: 149.4/88



Right In: 727.706+/-0.185 χ^2/NDF: 2138402.3/18

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

Right Out: 750.324+/-0.179 χ^2/NDF: 3677889.8/22

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

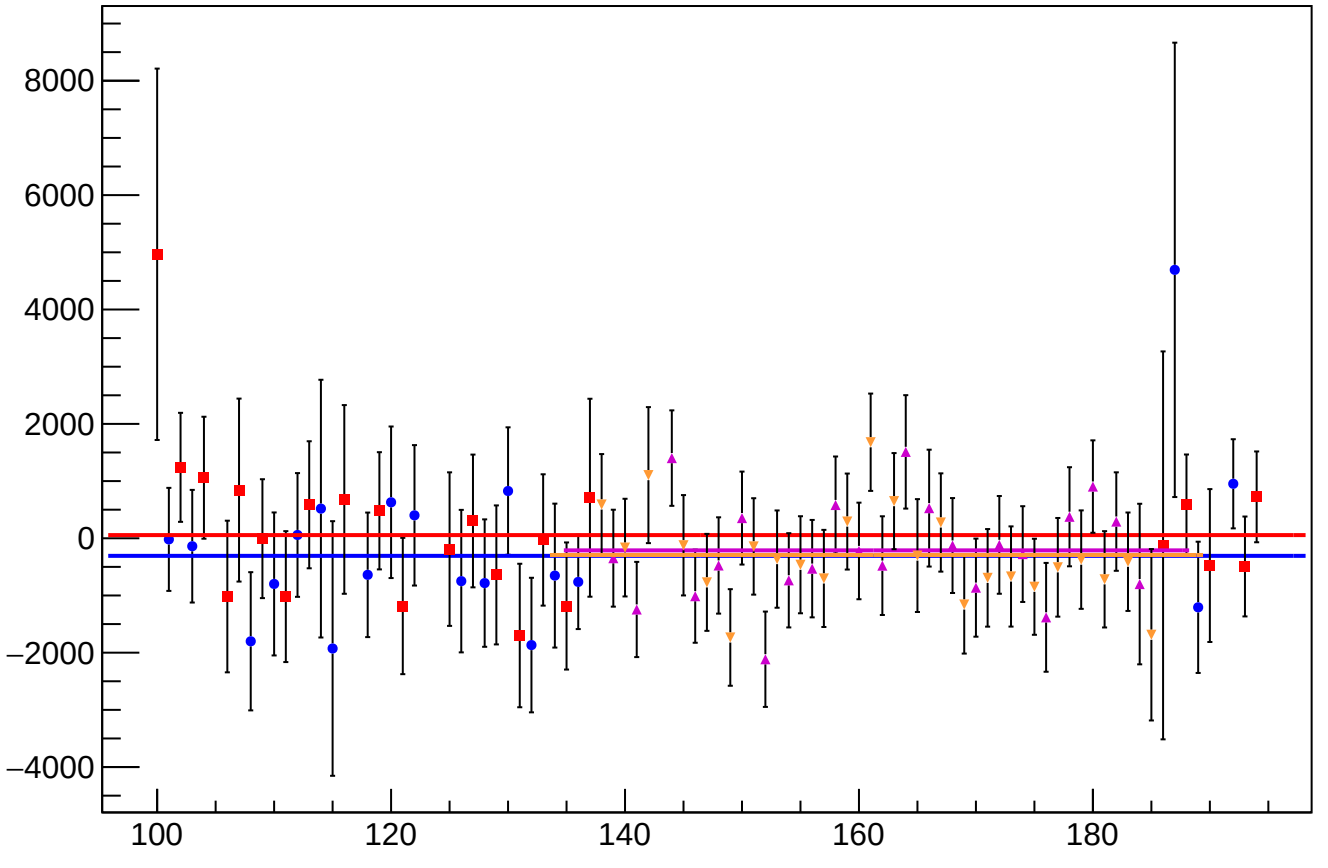
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 739.369+/-0.128 χ^2/NDF: 5824035.3/41

In: 538.787+/-0.076 χ^2/NDF:3876768.0/41

Out: 542.251+/-0.075 χ^2/NDF:5845752.0/46

All: 540.542+/-0.053 χ^2/NDF: 9723574.5/88



Right In: -307.160+/-262.886 χ^2/NDF: 11.8/18

Left Out: -292.036+/-179.670 χ^2/NDF:16.6/23

Right Out: 55.753+/-243.061 χ^2/NDF: 13.5/22

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

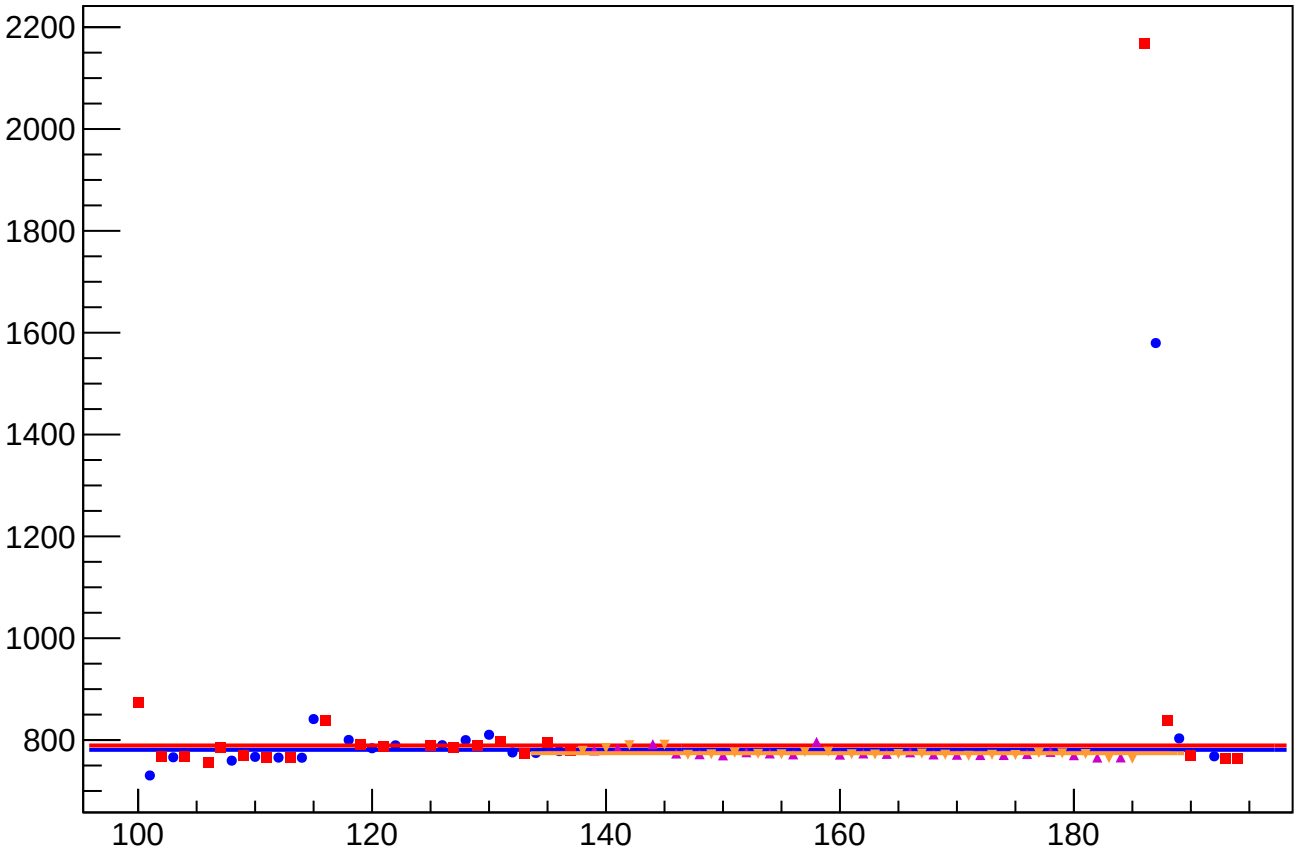
Left: -251.924+/-127.496 χ^2/NDF: 38.8/46

Right: -111.505+/-178.468 χ^2/NDF: 26.4/41

In: -242.075+/-149.054 χ^2/NDF:34.0/41

Out: -169.147+/-144.482 χ^2/NDF:31.5/46

All: -204.476+/-103.743 χ^2/NDF: 65.6/88



Right In: 780.810+/-0.186 χ^2/NDF: 94678.3/18

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

Right Out: 789.368+/-0.172 χ^2/NDF: 349794.7/22

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

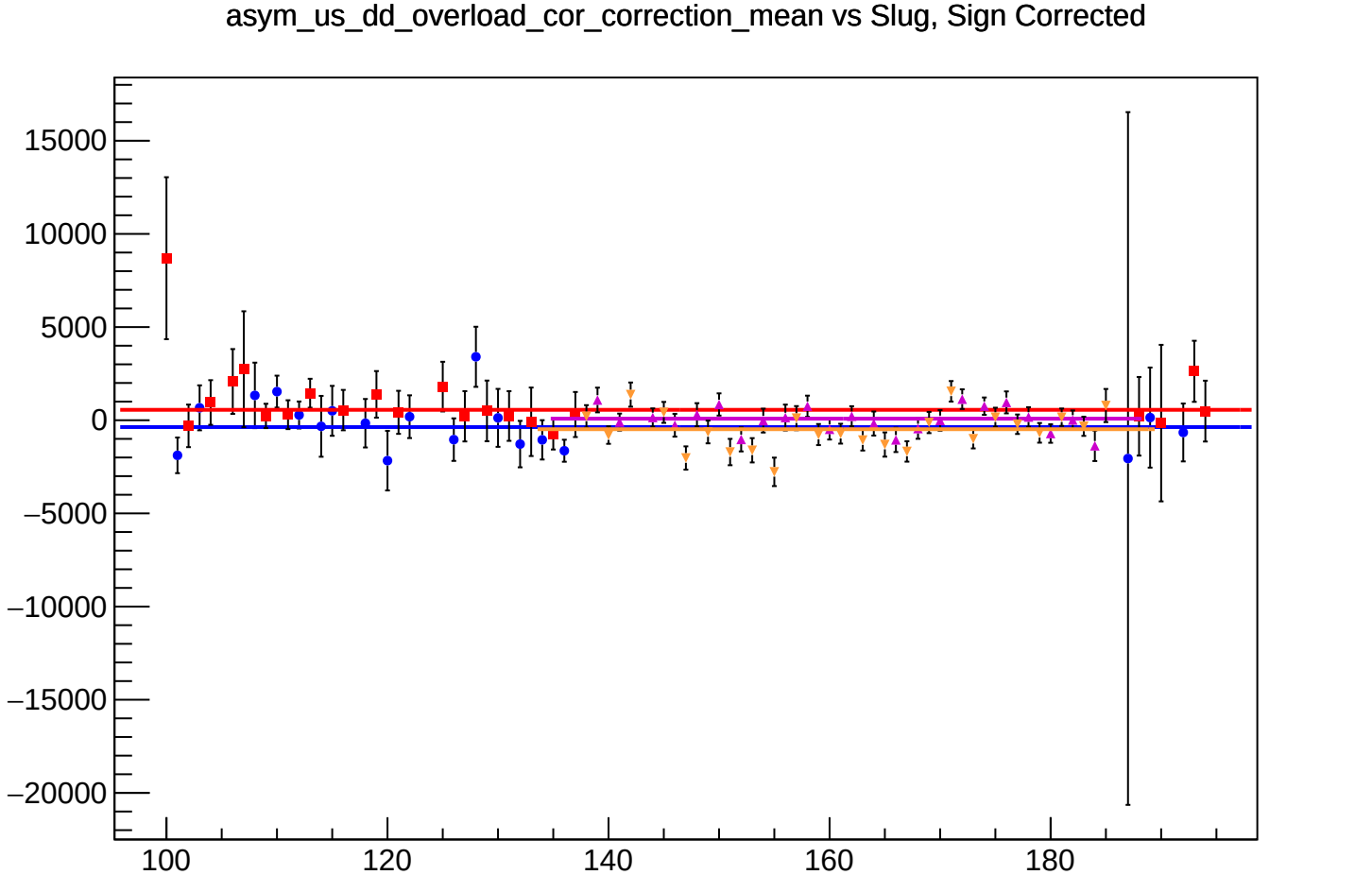
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

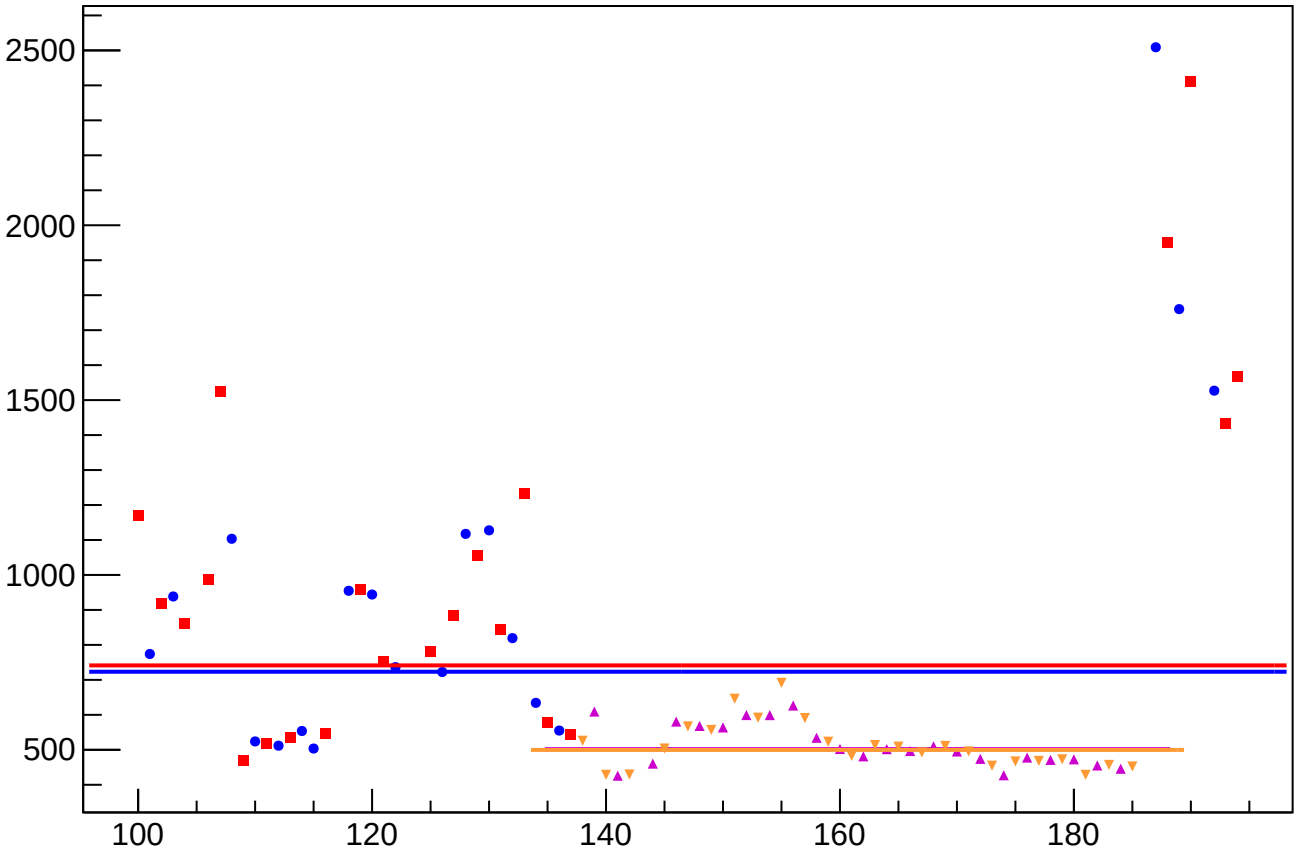
Right: 785.424+/-0.126 χ^2/NDF: 445615.5/41

In: 776.861+/-0.105 χ^2/NDF:98491.8/41

Out: 779.522+/-0.102 χ^2/NDF:356930.1/46

All: 778.233+/-0.073 χ^2/NDF: 455750.5/88


asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
Right In: -366.694+/-261.942 χ²/NDF: 23.5/18
Left Out: -481.314+/-117.092 χ²/NDF:63.5/23
Right Out: 558.653+/-254.385 χ²/NDF: 13.1/21
Left In: 83.196+/-118.194 χ²/NDF:28.2/22
Left: -201.704+/-83.183 χ²/NDF: 103.3/46
Right: 109.519+/-182.491 χ²/NDF: 42.9/40
In: 7.093+/-107.734 χ²/NDF:54.1/41
Out: -299.498+/-106.365 χ²/NDF:90.4/45
All: -148.164+/-75.691 χ²/NDF: 148.6/87



Right In: 723.216+/-0.185 χ^2/NDF: 1913390.8/18

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

Right Out: 741.371+/-0.180 χ^2/NDF: 3273298.6/21

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

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

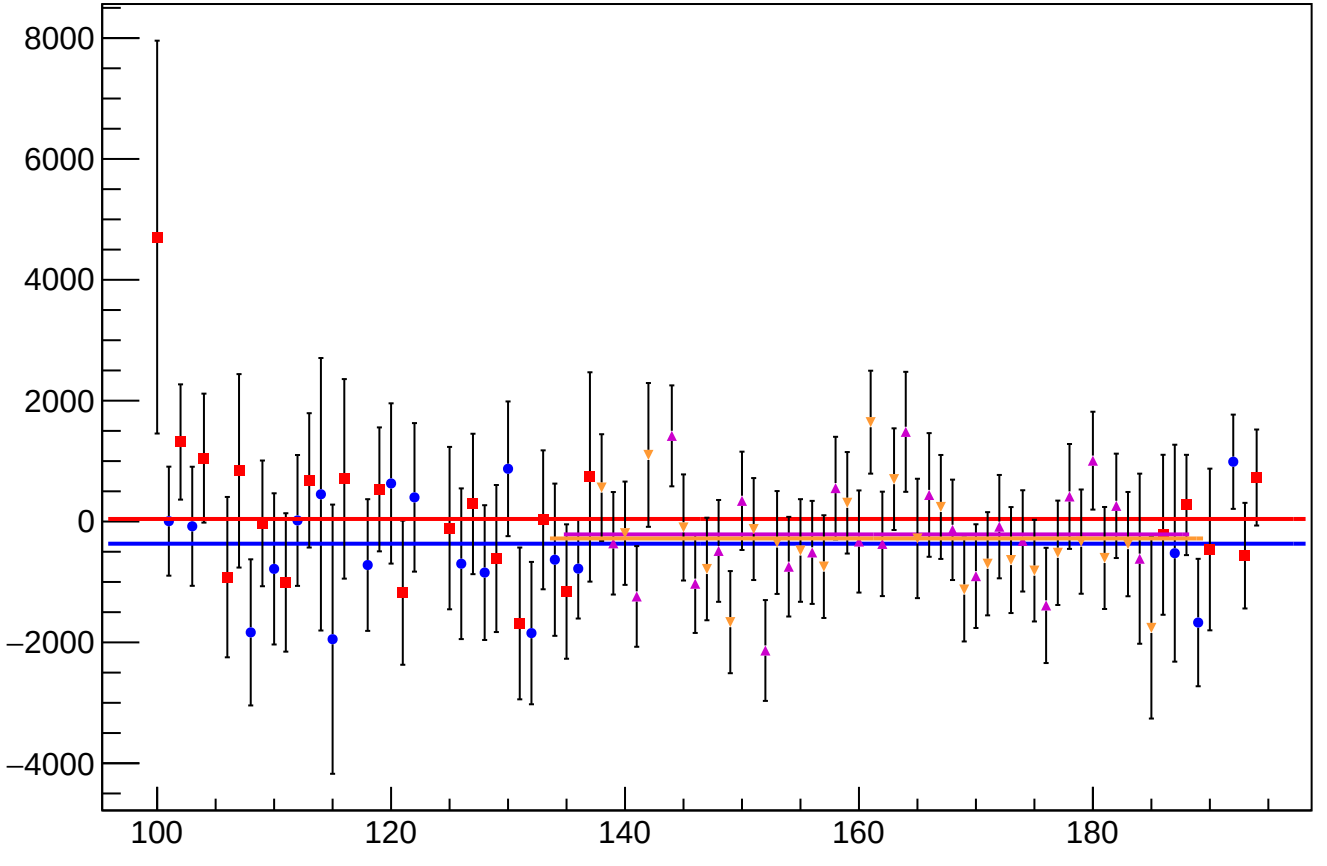
Right: 732.559+/-0.129 χ^2/NDF: 5191634.0/40

In: 539.443+/-0.076 χ^2/NDF:3565700.3/41

Out: 541.926+/-0.075 χ^2/NDF:5279481.2/45

All: 540.700+/-0.054 χ^2/NDF: 8845719.7/87

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -366.861+/-259.667 χ^2/NDF: 11.6/18

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

Right Out: 42.378+/-238.873 χ^2/NDF: 13.2/22

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

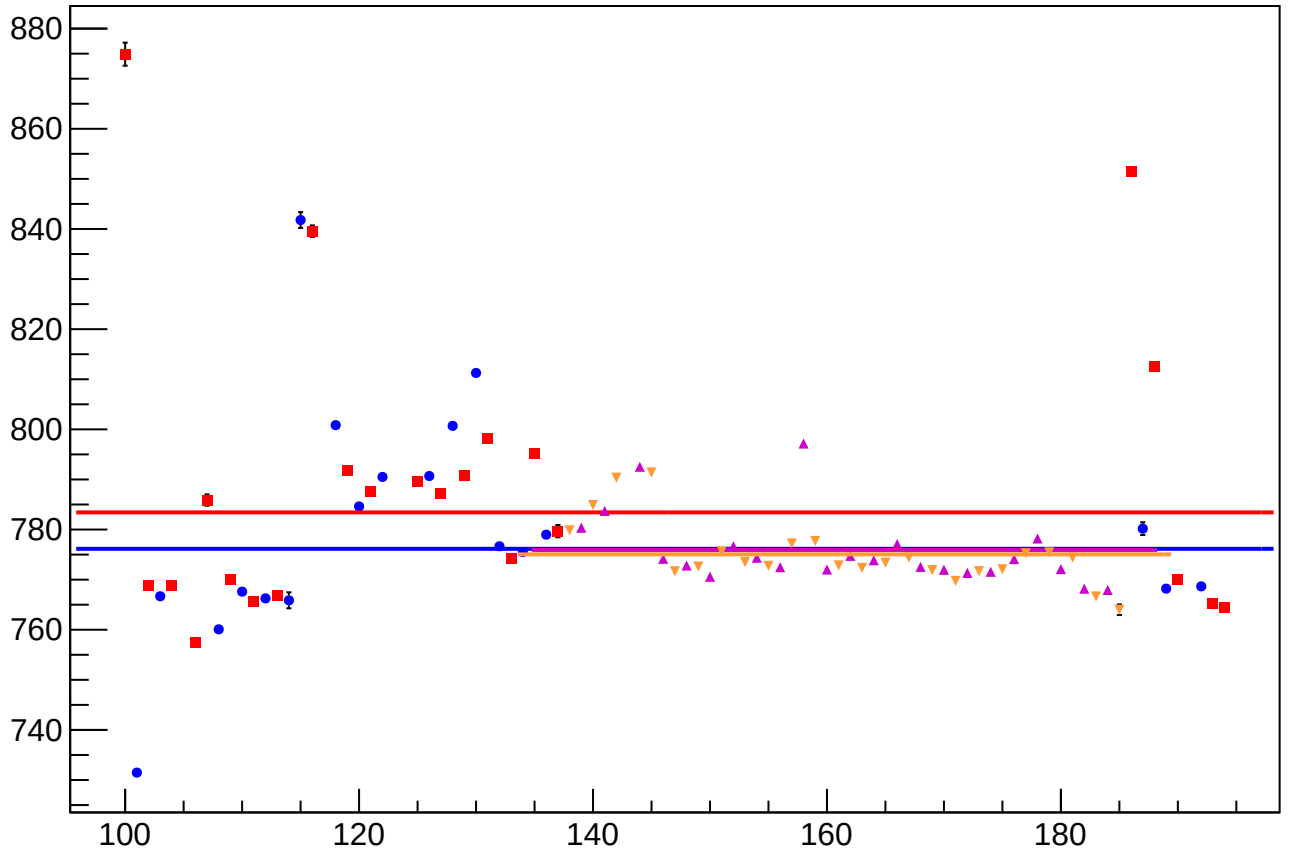
Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

Right: -145.202+/-175.801 χ^2/NDF: 26.1/41

In: -263.661+/-148.579 χ^2/NDF:34.2/41

Out: -163.575+/-143.695 χ^2/NDF:30.4/46

All: -211.946+/-103.291 χ^2/NDF: 64.8/88



Right In: 776.153+/-0.184 χ^2/NDF: 12419.4/18

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

Right Out: 783.426+/-0.169 χ^2/NDF: 17671.0/22

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

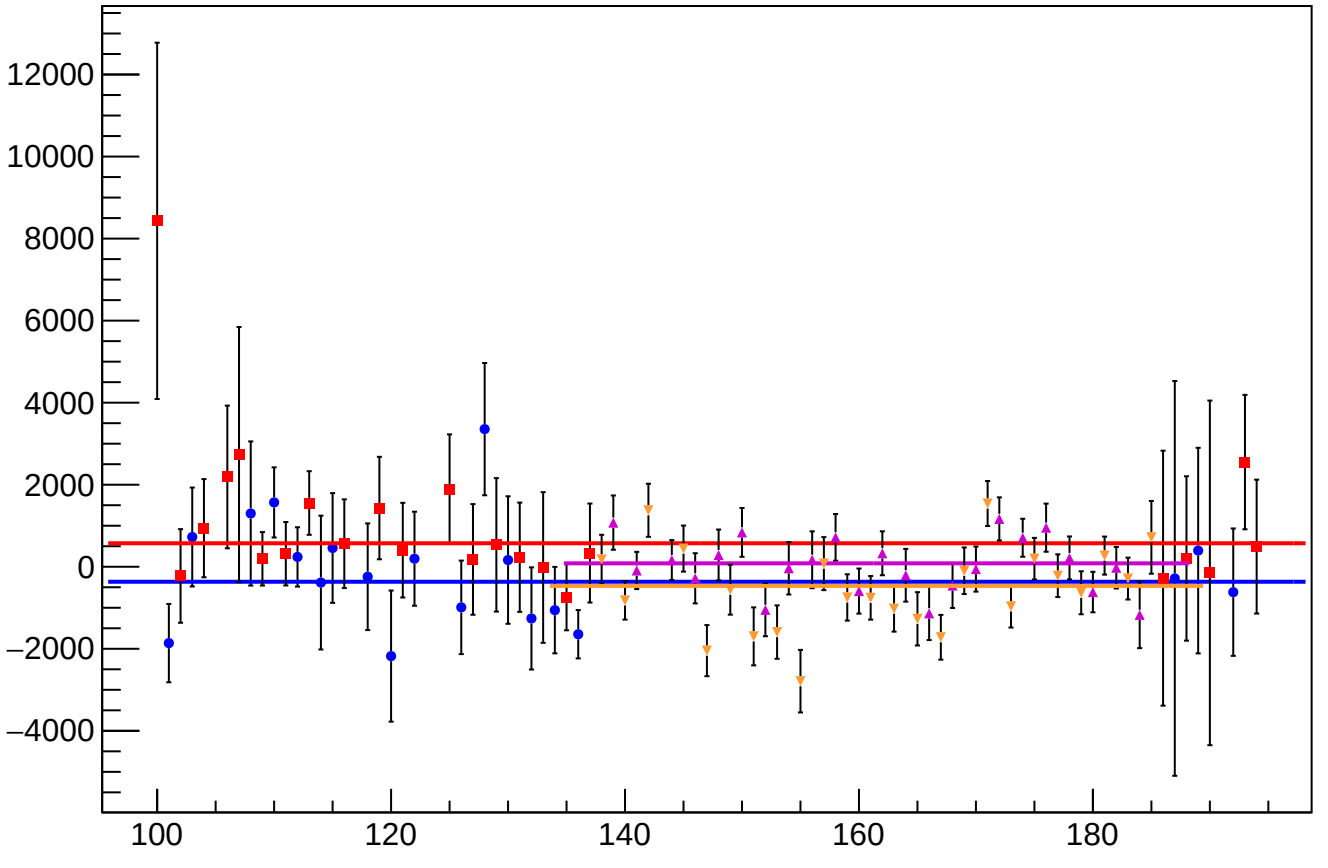
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 780.092+/-0.124 χ^2/NDF: 30940.3/41

In: 775.998+/-0.105 χ^2/NDF:15393.4/41

Out: 778.081+/-0.102 χ^2/NDF:21191.7/46

All: 777.074+/-0.073 χ^2/NDF: 36788.3/88



Right In: -365.645+/-261.032 χ^2/NDF: 23.4/18

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

Right Out: 572.441+/-252.985 χ^2/NDF: 13.3/22

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

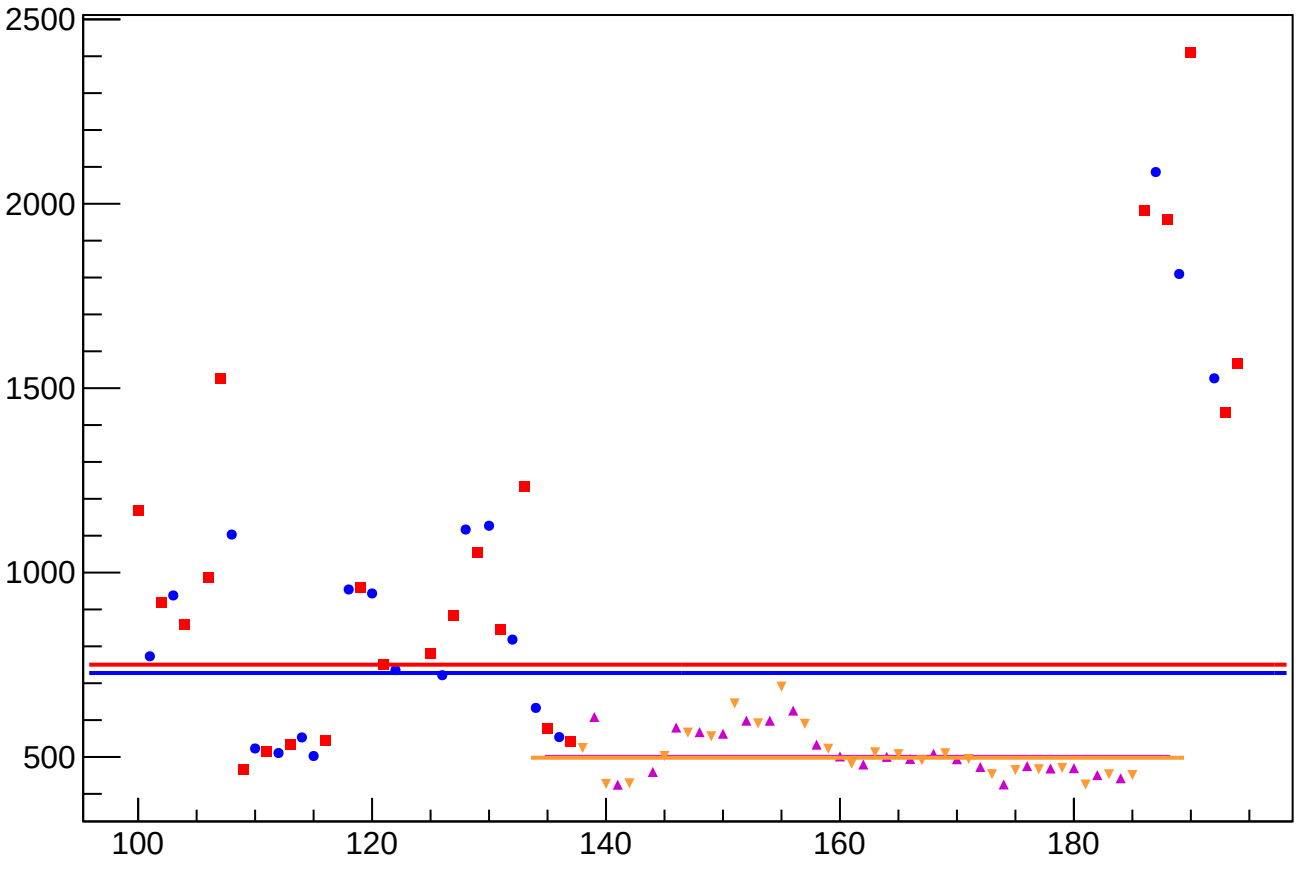
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 118.080+/-181.666 χ^2/NDF: 43.4/41

In: 7.209+/-107.379 χ^2/NDF:54.0/41

Out: -284.717+/-105.978 χ^2/NDF:91.6/46

All: -140.670+/-75.428 χ^2/NDF: 149.4/88



Right In: 727.706+/-0.185 χ^2/NDF: 2138402.3/18

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

Right Out: 750.324+/-0.179 χ^2/NDF: 3677889.8/22

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

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

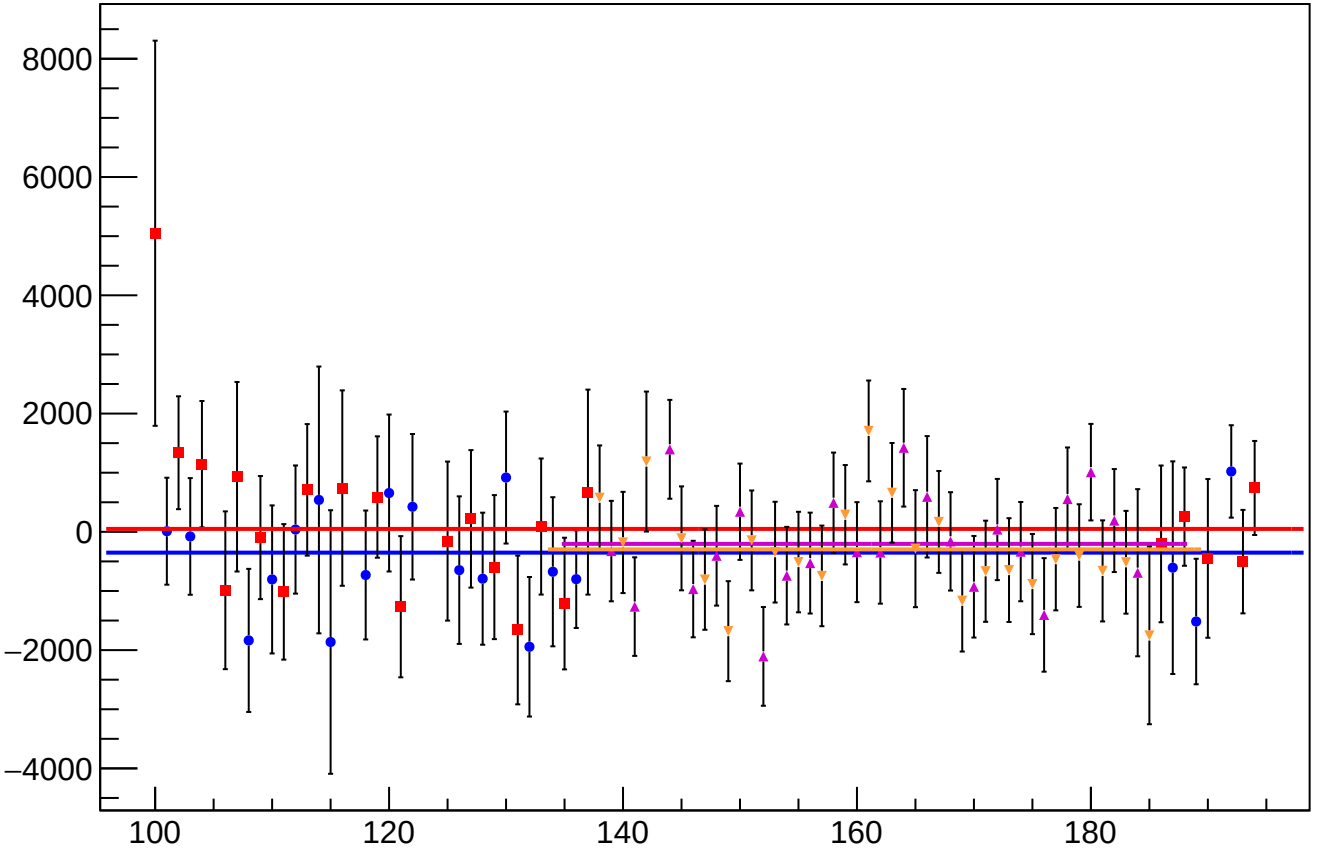
Right: 739.369+/-0.128 χ^2/NDF: 5824035.3/41

In: 538.787+/-0.076 χ^2/NDF:3876768.0/41

Out: 542.251+/-0.075 χ^2/NDF:5845752.0/46

All: 540.542+/-0.053 χ^2/NDF: 9723574.5/88

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -351.635+/-260.042 χ^2/NDF: 11.7/18

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

Right Out: 49.651+/-239.140 χ^2/NDF: 14.0/22

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

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

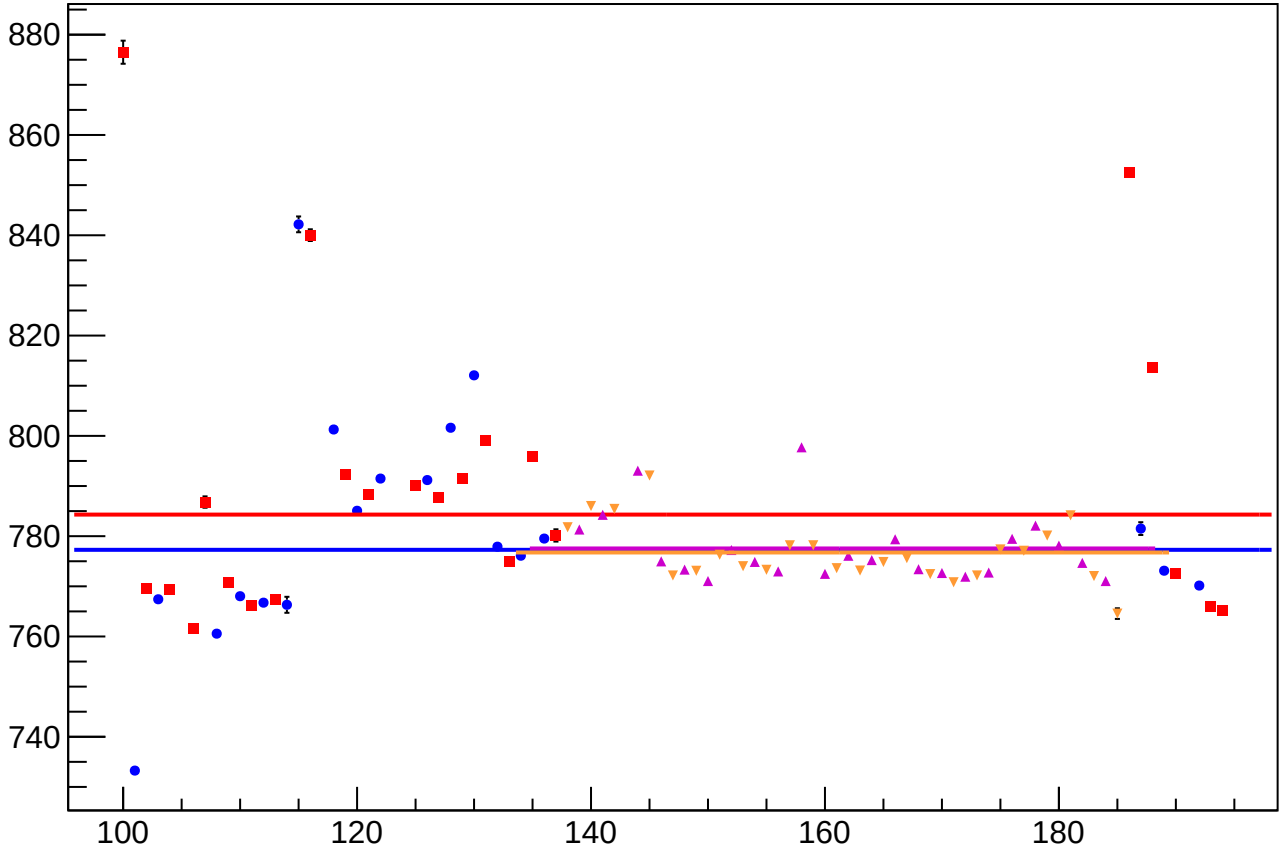
Right: -134.218+/-176.024 χ^2/NDF: 27.0/41

In: -251.934+/-148.859 χ^2/NDF:34.0/41

Out: -171.236+/-143.956 χ^2/NDF:32.1/46

All: -210.234+/-103.482 χ^2/NDF: 66.2/88

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 777.279+/-0.184 χ^2/NDF: 12036.5/18

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

Right Out: 784.304+/-0.169 χ^2/NDF: 17525.1/22

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

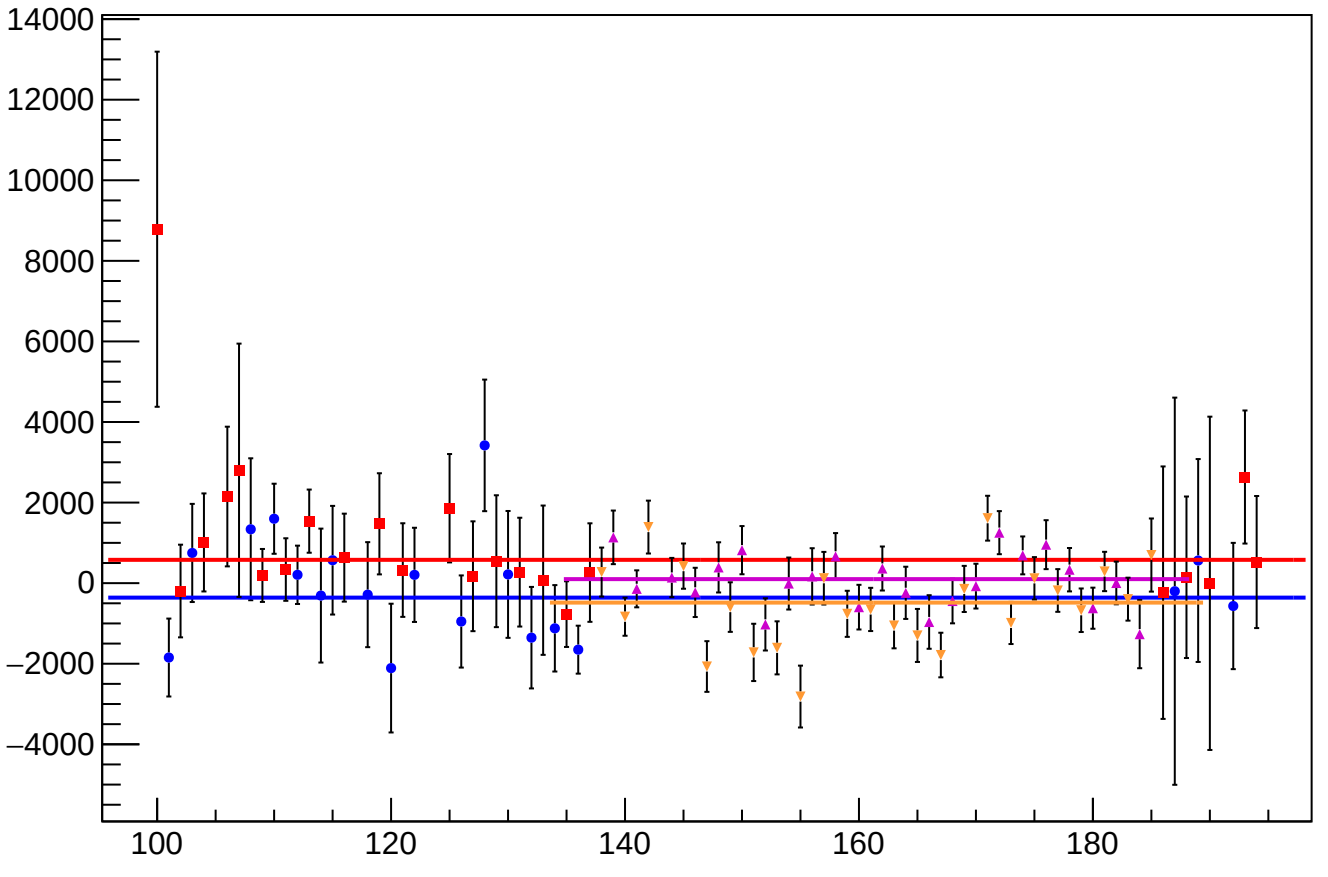
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 781.085+/-0.124 χ^2/NDF: 30352.2/41

In: 777.461+/-0.105 χ^2/NDF:14788.7/41

Out: 779.488+/-0.102 χ^2/NDF:20623.5/46

All: 778.508+/-0.073 χ^2/NDF: 35603.7/88



Right In: -359.091+/-263.565 χ^2/NDF: 23.5/18

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

Right Out: 578.661+/-255.167 χ^2/NDF: 13.5/22

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

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

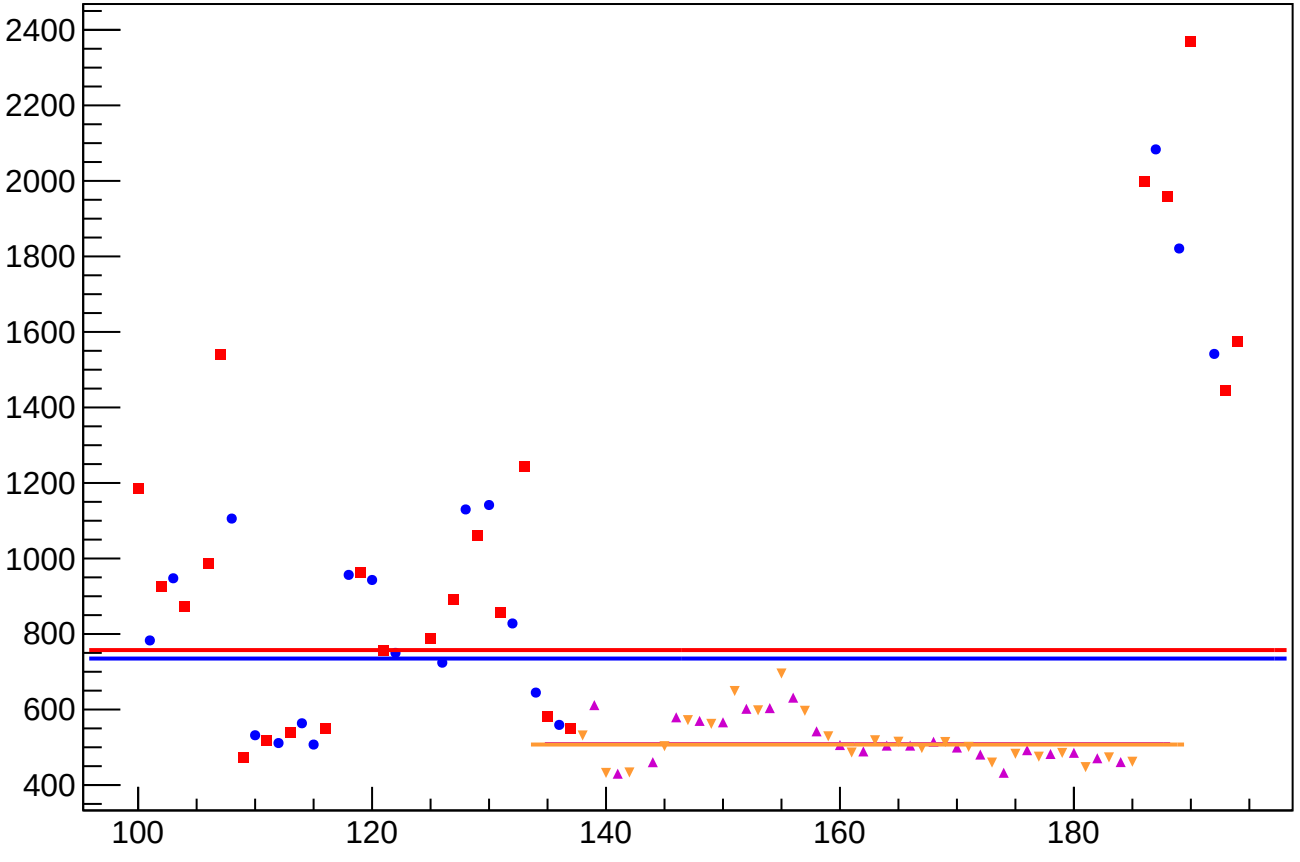
Right: 124.963+/-183.327 χ^2/NDF: 43.5/41

In: 21.513+/-108.969 χ^2/NDF:53.4/41

Out: -293.760+/-107.704 χ^2/NDF:92.8/46

All: -137.965+/-76.601 χ^2/NDF: 150.4/88

asym_us_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 735.007+/-0.186 χ^2/NDF: 2134643.5/18

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

Right Out: 757.455+/-0.180 χ^2/NDF: 3653817.1/22

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

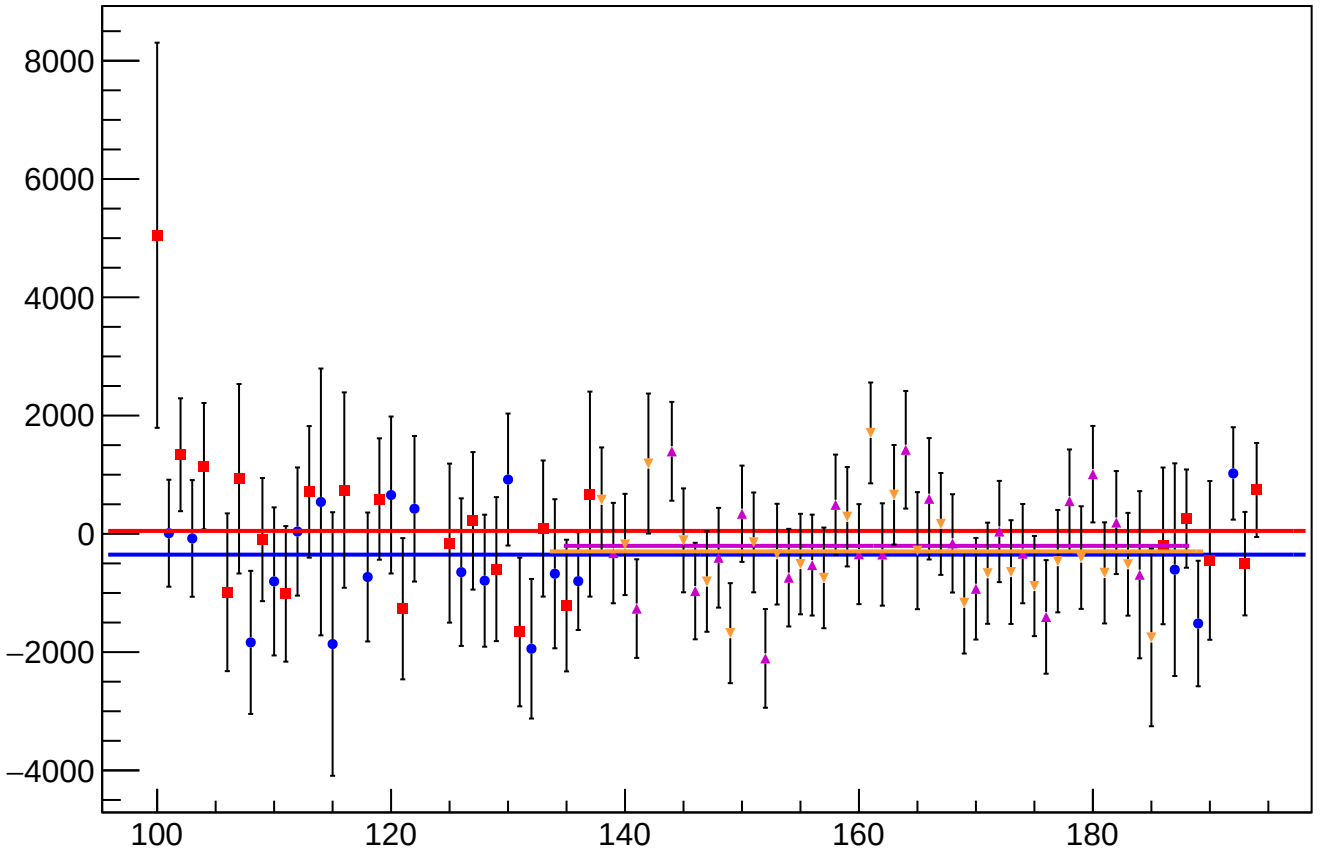
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 746.594+/-0.130 χ^2/NDF: 5795949.3/41

In: 547.333+/-0.077 χ^2/NDF:3790229.5/41

Out: 551.883+/-0.076 χ^2/NDF:5707306.3/46

All: 549.635+/-0.054 χ^2/NDF: 9499300.0/88



Right In: -351.635+/-260.042 χ^2/NDF: 11.7/18

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

Right Out: 49.650+/-239.140 χ^2/NDF: 14.0/22

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

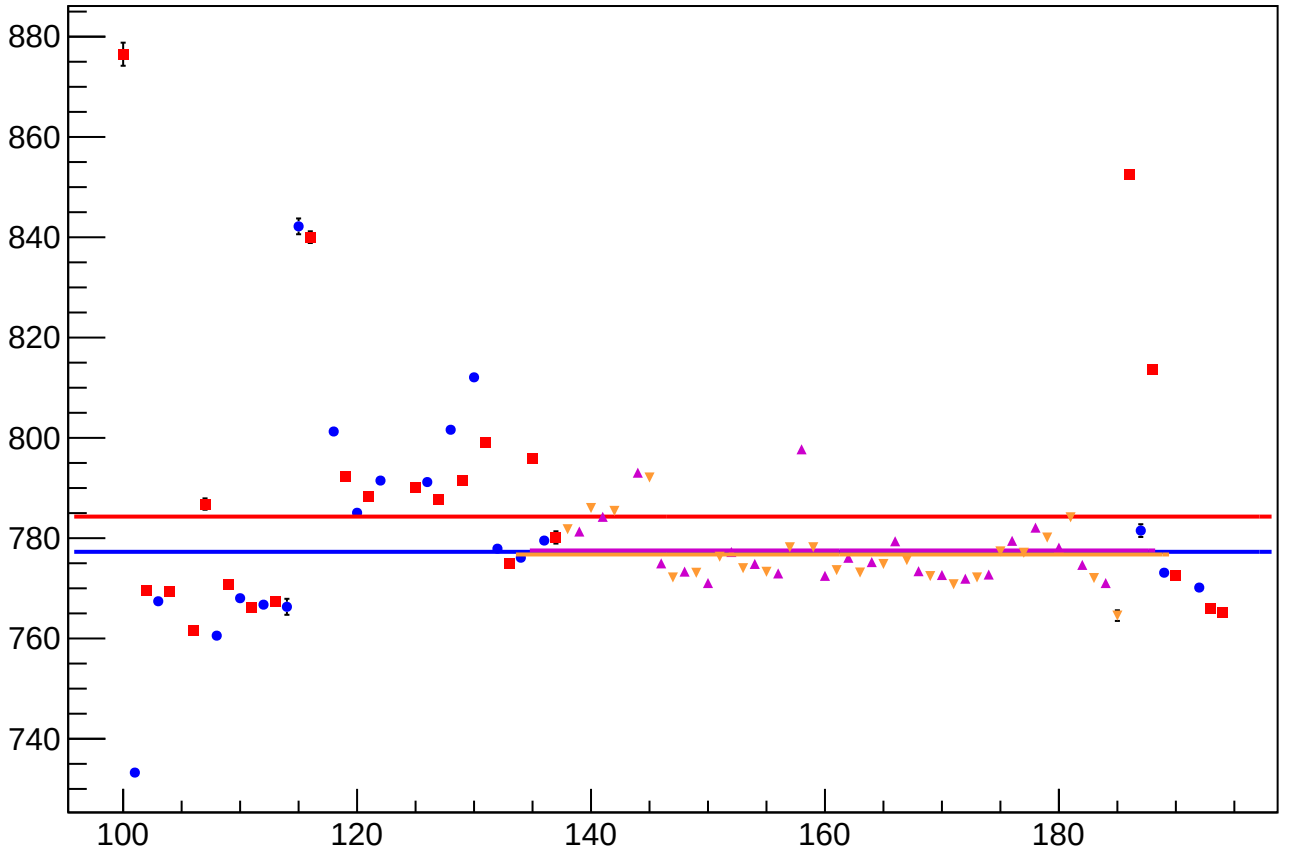
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: -134.219+/-176.024 χ^2/NDF: 27.0/41

In: -251.934+/-148.859 χ^2/NDF:34.0/41

Out: -171.237+/-143.956 χ^2/NDF:32.1/46

All: -210.234+/-103.482 χ^2/NDF: 66.2/88



Right In: 777.279+/-0.184 χ^2/NDF: 12036.5/18

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

Right Out: 784.304+/-0.169 χ^2/NDF: 17525.1/22

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

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

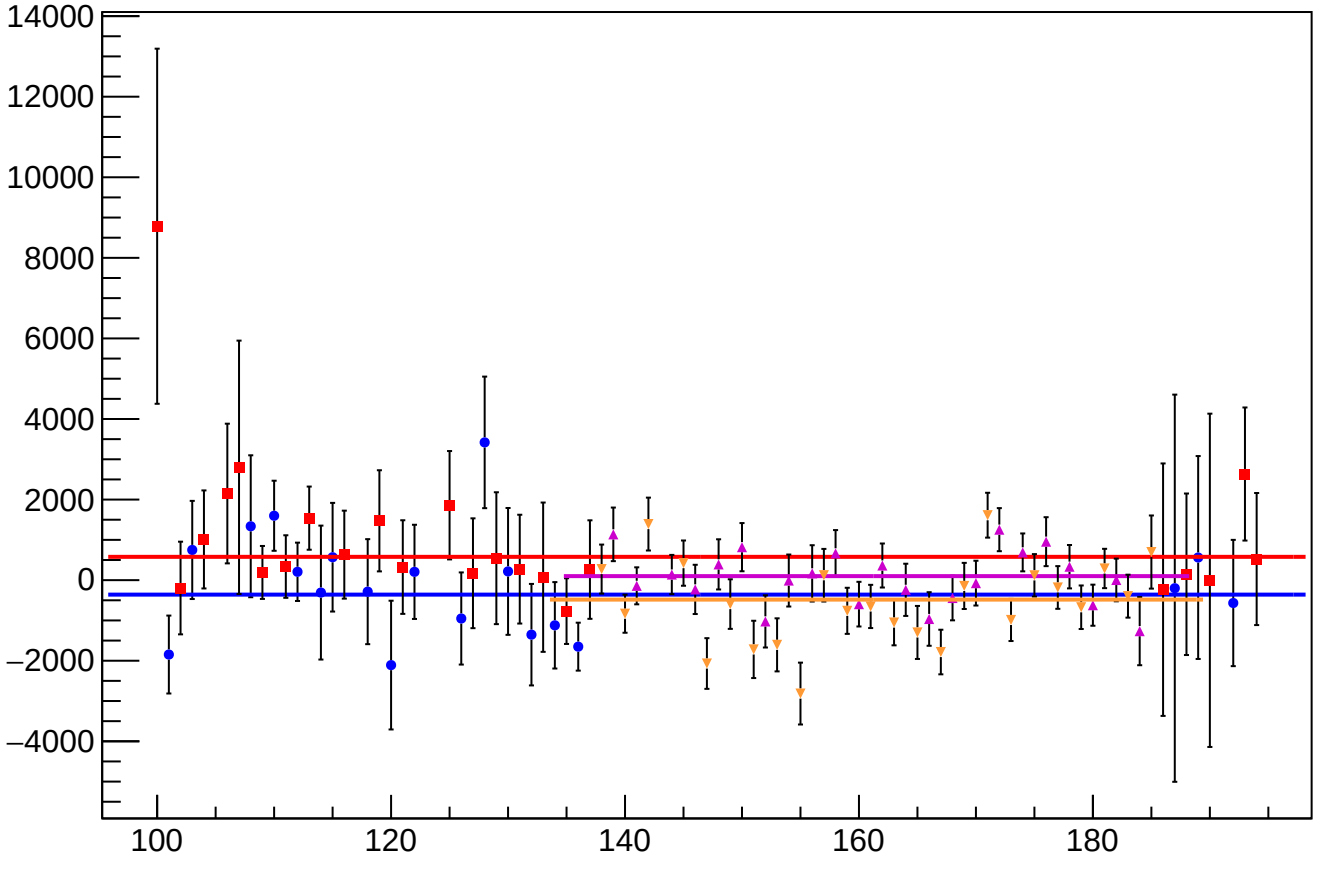
Right: 781.085+/-0.124 χ^2/NDF: 30352.2/41

In: 777.461+/-0.105 χ^2/NDF:14788.7/41

Out: 779.488+/-0.102 χ^2/NDF:20623.5/46

All: 778.508+/-0.073 χ^2/NDF: 35603.7/88

asym_us_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -359.087+/-263.564 χ^2/NDF: 23.5/18

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

Right Out: 578.660+/-255.166 χ^2/NDF: 13.5/22

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

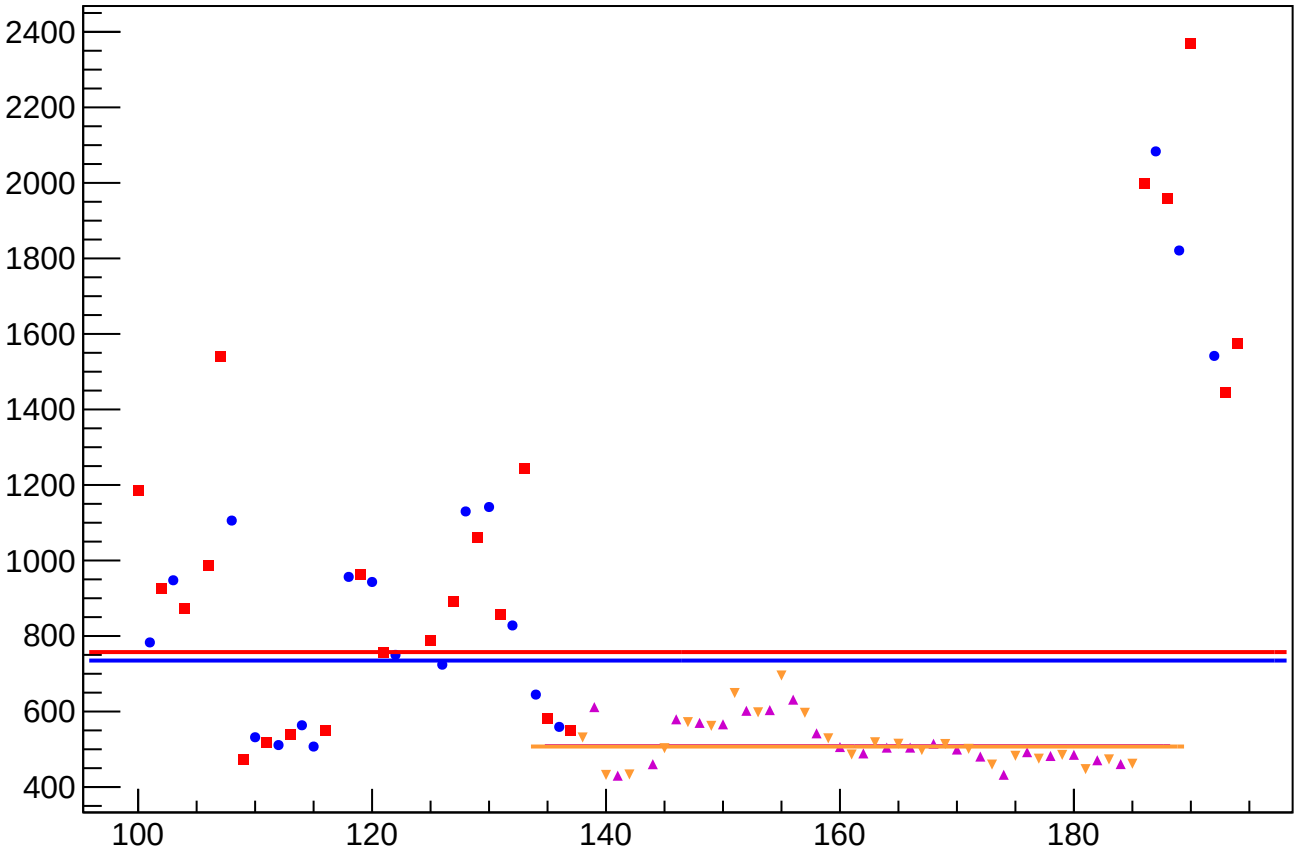
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 124.965+/-183.327 χ^2/NDF: 43.5/41

In: 21.513+/-108.969 χ^2/NDF:53.4/41

Out: -293.759+/-107.703 χ^2/NDF:92.8/46

All: -137.965+/-76.601 χ^2/NDF: 150.4/88



Right In: 735.003+/-0.186 χ^2/NDF: 2134659.1/18

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

Right Out: 757.451+/-0.180 χ^2/NDF: 3653844.7/22

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

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

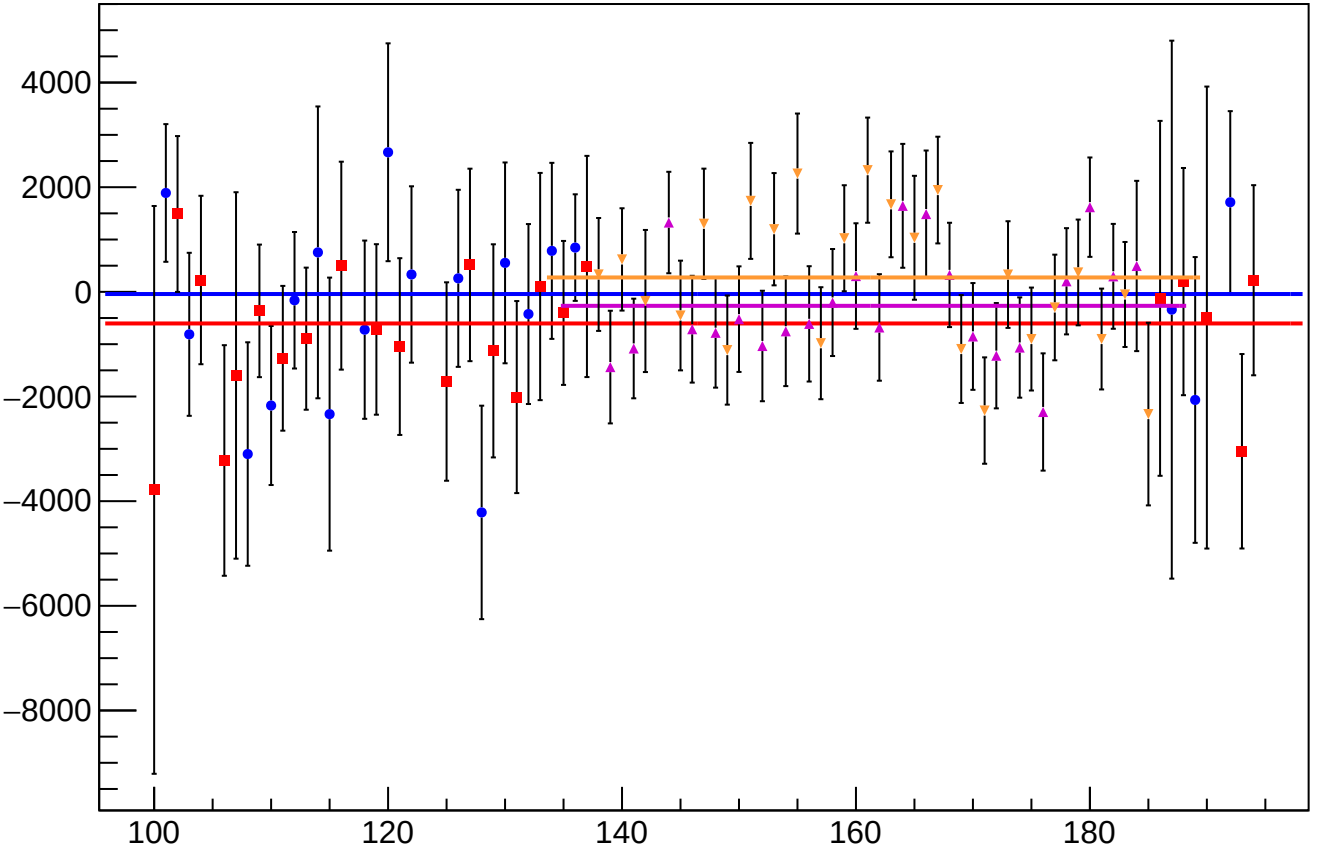
Right: 746.591+/-0.130 χ^2/NDF: 5795992.6/41

In: 547.332+/-0.077 χ^2/NDF:3790229.3/41

Out: 551.883+/-0.076 χ^2/NDF:5707306.5/46

All: 549.634+/-0.054 χ^2/NDF: 9499300.2/88

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -41.483+/-393.682 χ^2/NDF: 16.1/18

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

Right Out: -603.922+/-382.171 χ^2/NDF: 8.6/22

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

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

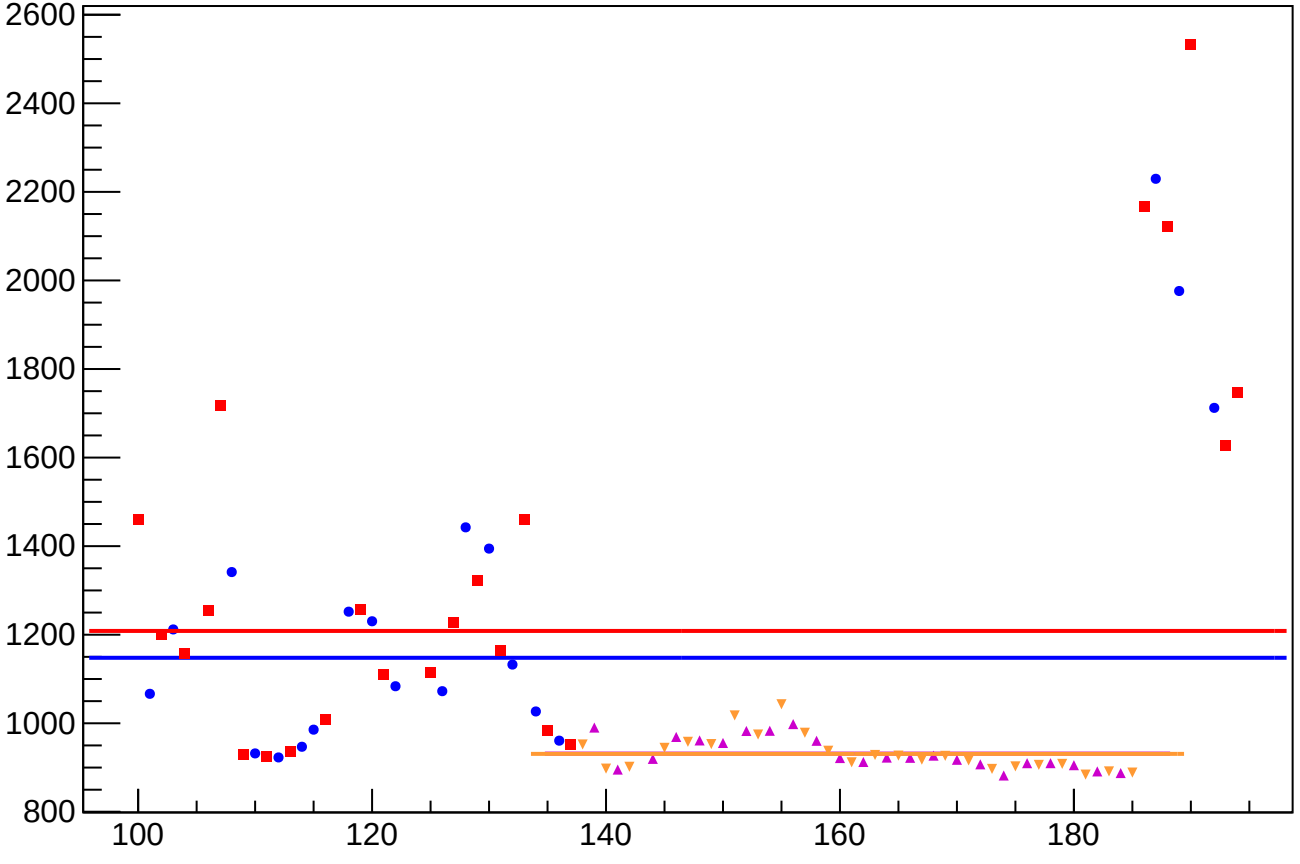
Right: -331.045+/-274.215 χ^2/NDF: 25.8/41

In: -214.239+/-190.502 χ^2/NDF:37.7/41

Out: 61.915+/-188.235 χ^2/NDF:46.3/46

All: -74.509+/-133.896 χ^2/NDF: 85.1/88

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1147.903+/-0.278 χ^2/NDF: 798651.8/18

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

Right Out: 1208.534+/-0.270 χ^2/NDF: 1433083.0/22

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

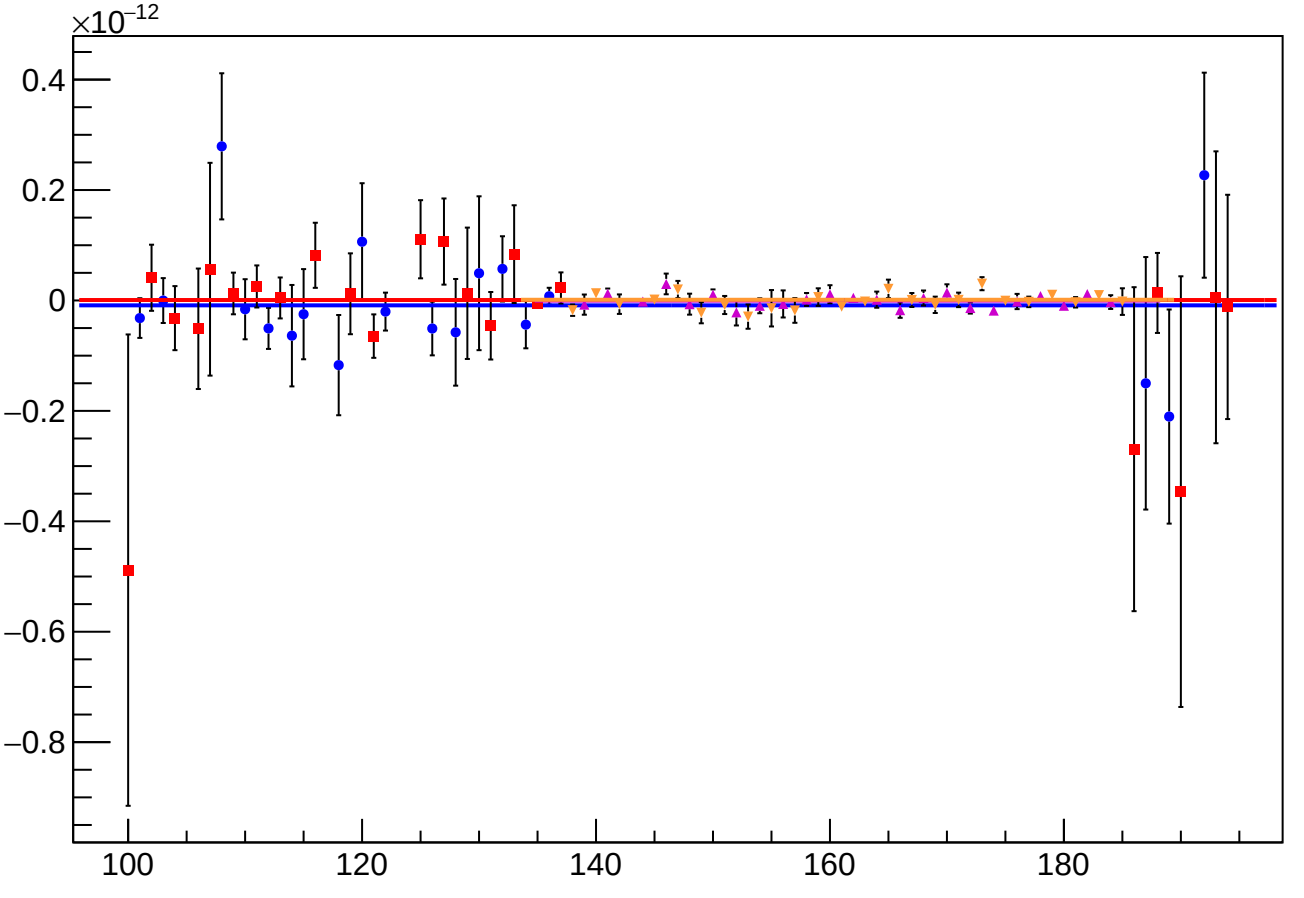
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1179.118+/-0.194 χ^2/NDF: 2256156.9/41

In: 982.220+/-0.135 χ^2/NDF:1310115.9/41

Out: 998.269+/-0.133 χ^2/NDF:2294347.3/46

All: 990.341+/-0.095 χ^2/NDF: 3611646.2/88



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/18

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

Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/22

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

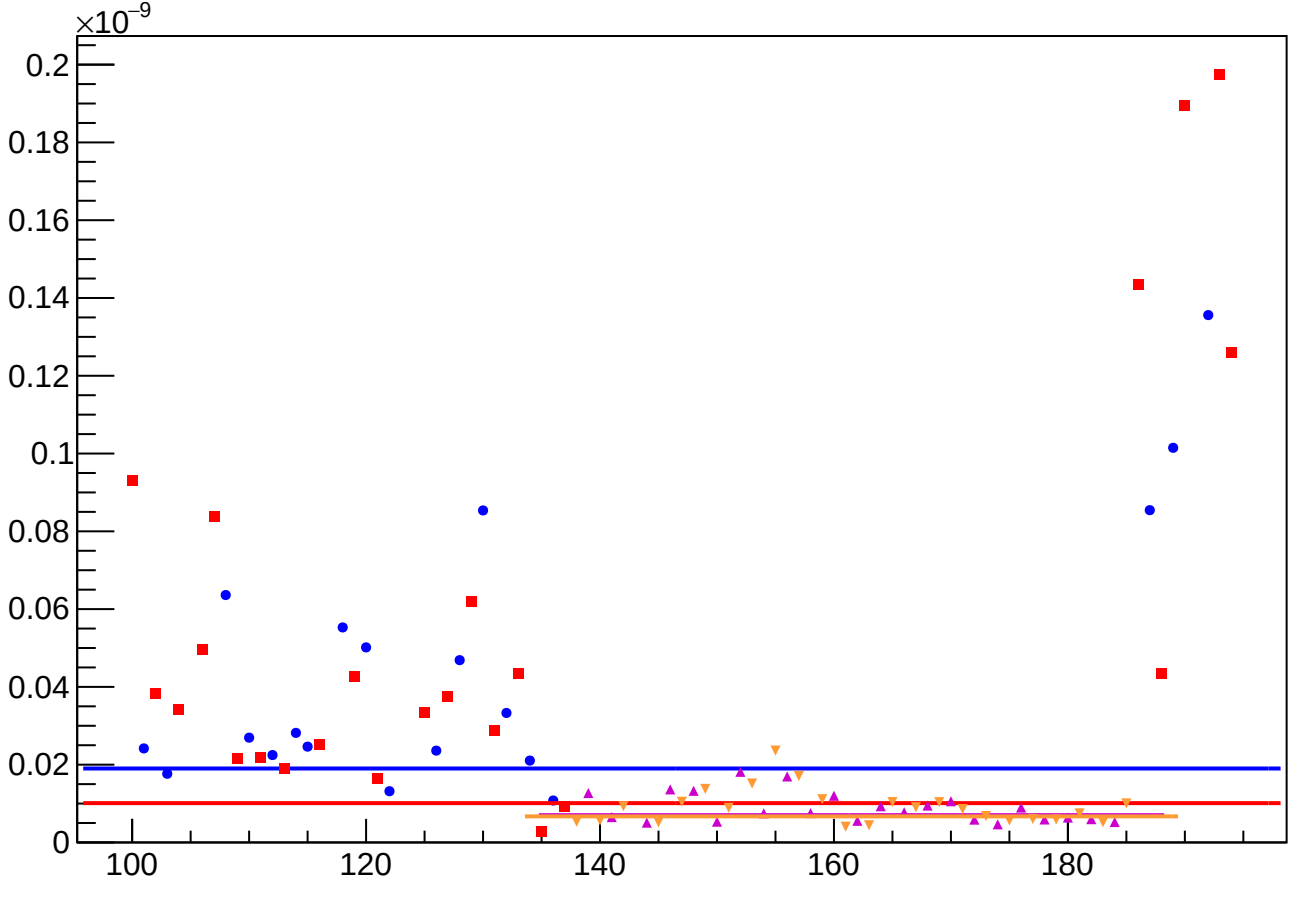
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 33.5/41

In: -0.000+/-0.000 χ^2/NDF:39.7/41

Out: 0.000+/-0.000 χ^2/NDF:41.7/46

All: 0.000+/-0.000 χ^2/NDF: 81.7/88



Right In: 0.000+/-0.000 χ^2/NDF: 3571409.6/18

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

Right Out: 0.000+/-0.000 χ^2/NDF: 8077748.5/22

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

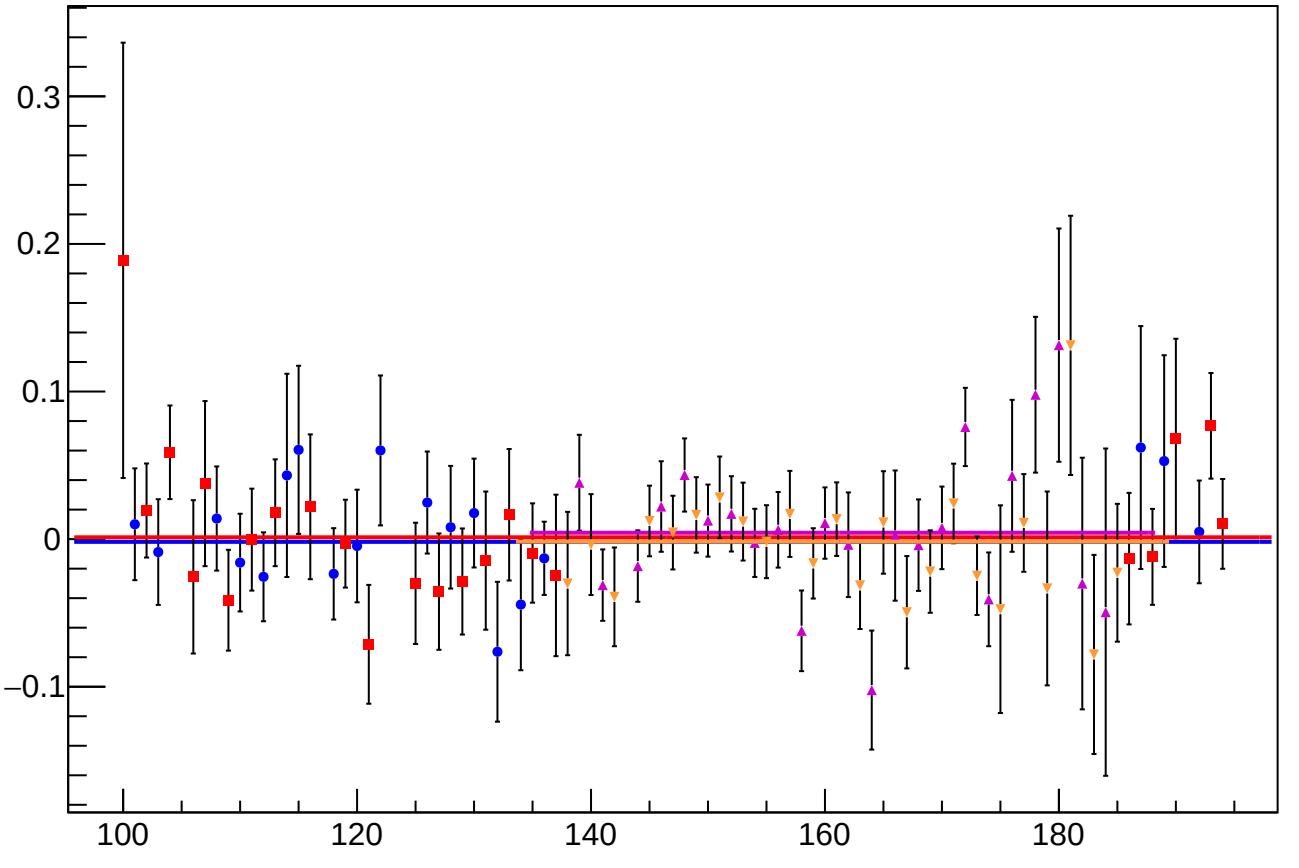
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 12663029.5/41

In: 0.000+/-0.000 χ^2/NDF:8641058.6/41

Out: 0.000+/-0.000 χ^2/NDF:11409607.8/46

All: 0.000+/-0.000 χ^2/NDF: 20128745.8/88



Right In: -0.002+/-0.009 χ^2/NDF: 10.5/18

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

Right Out: 0.001+/-0.008 χ^2/NDF: 19.6/22

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

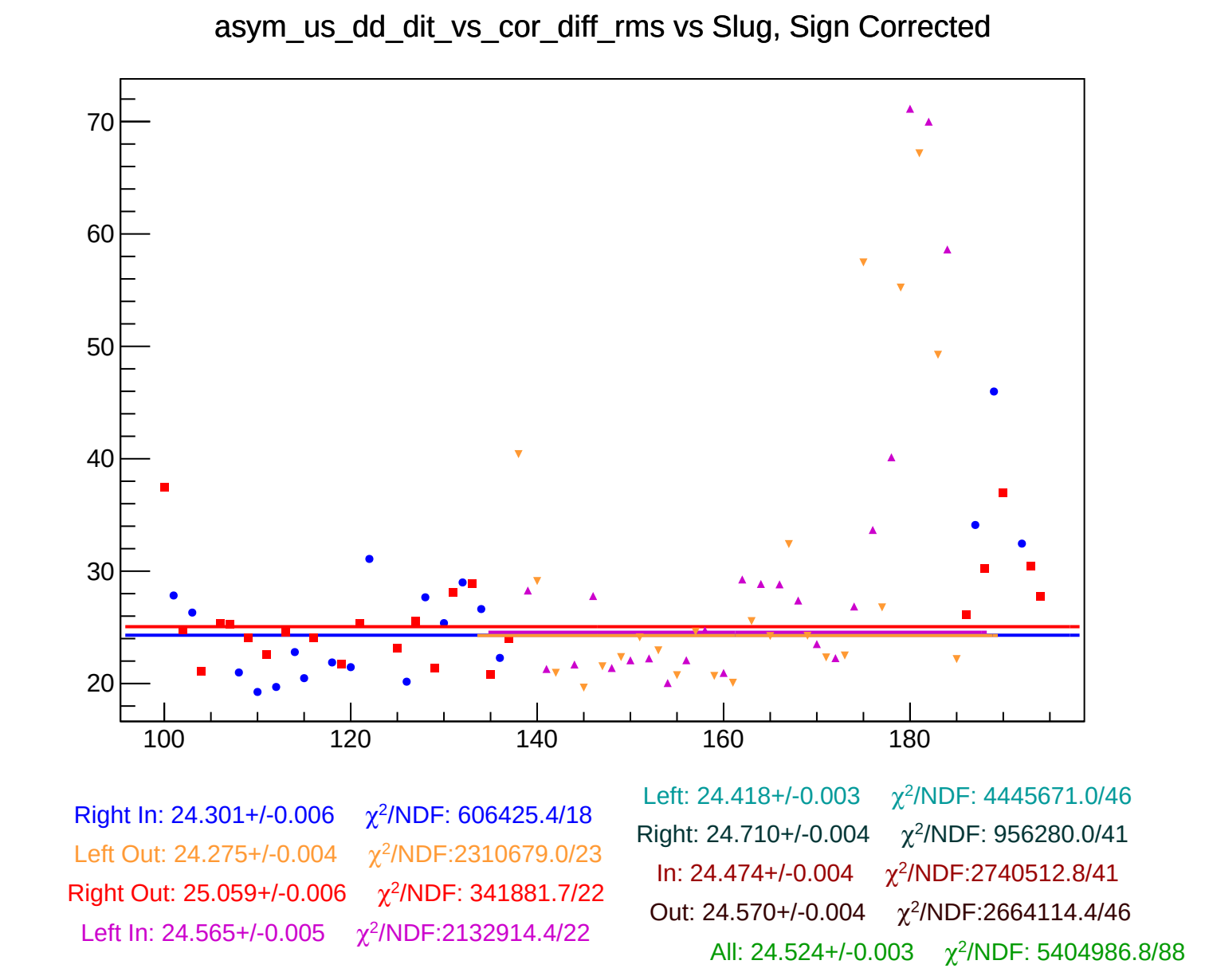
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

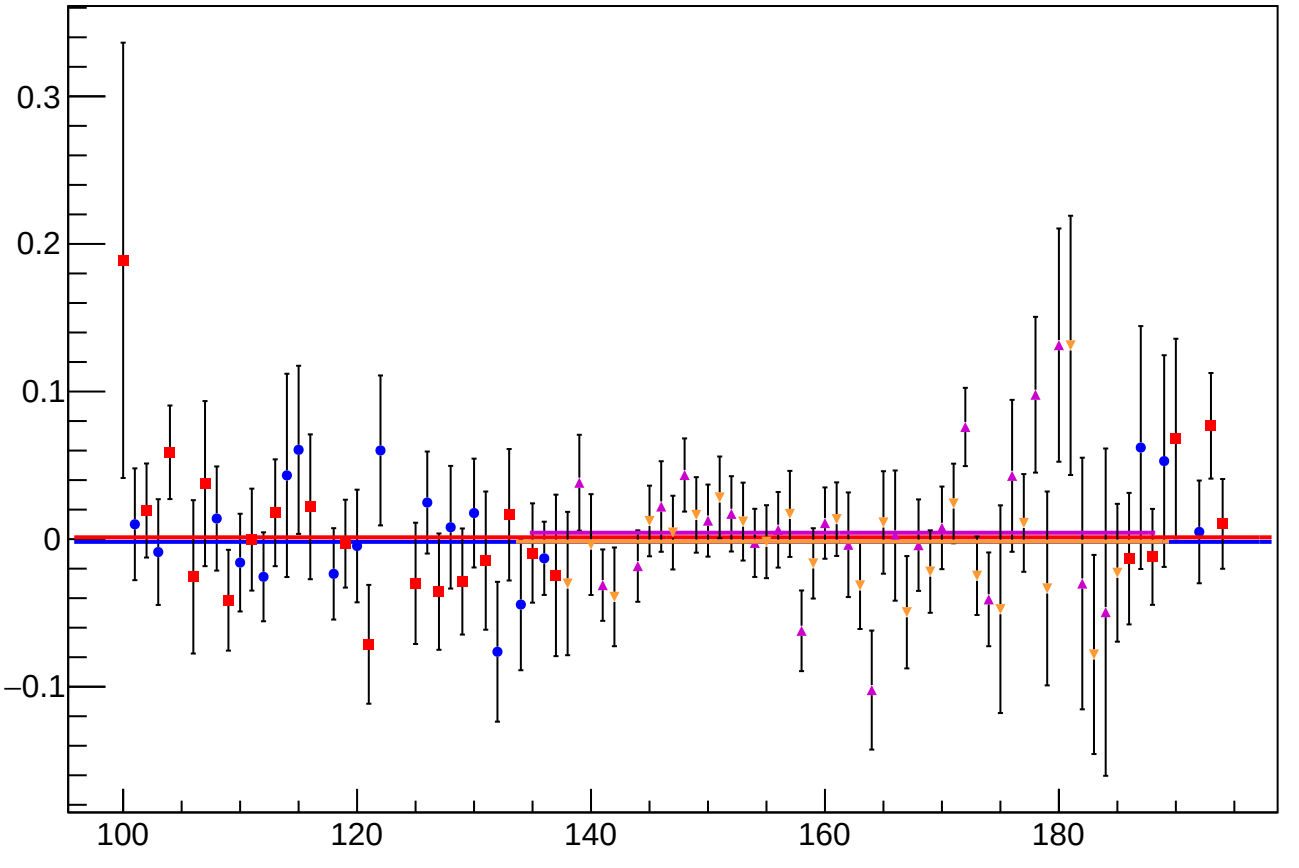
Right: -0.000+/-0.006 χ^2/NDF: 30.2/41

In: 0.002+/-0.005 χ^2/NDF:47.3/41

Out: -0.001+/-0.005 χ^2/NDF:34.3/46

All: 0.001+/-0.004 χ^2/NDF: 81.8/88


asym_us_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
100
120
140
160
180
Right In: 24.301+/-0.006 χ²/NDF: 606425.4/18
Left Out: 24.275+/-0.004 χ²/NDF:2310679.0/23
Right Out: 25.059+/-0.006 χ²/NDF: 341881.7/22
Left In: 24.565+/-0.005 χ²/NDF:2132914.4/22
Left: 24.418+/-0.003 χ²/NDF: 4445671.0/46
Right: 24.710+/-0.004 χ²/NDF: 956280.0/41
In: 24.474+/-0.004 χ²/NDF:2740512.8/41
Out: 24.570+/-0.004 χ²/NDF:2664114.4/46
All: 24.524+/-0.003 χ²/NDF: 5404986.8/88



Right In: -0.002+/-0.009 χ^2/NDF: 10.5/18

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

Right Out: 0.001+/-0.008 χ^2/NDF: 19.6/22

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

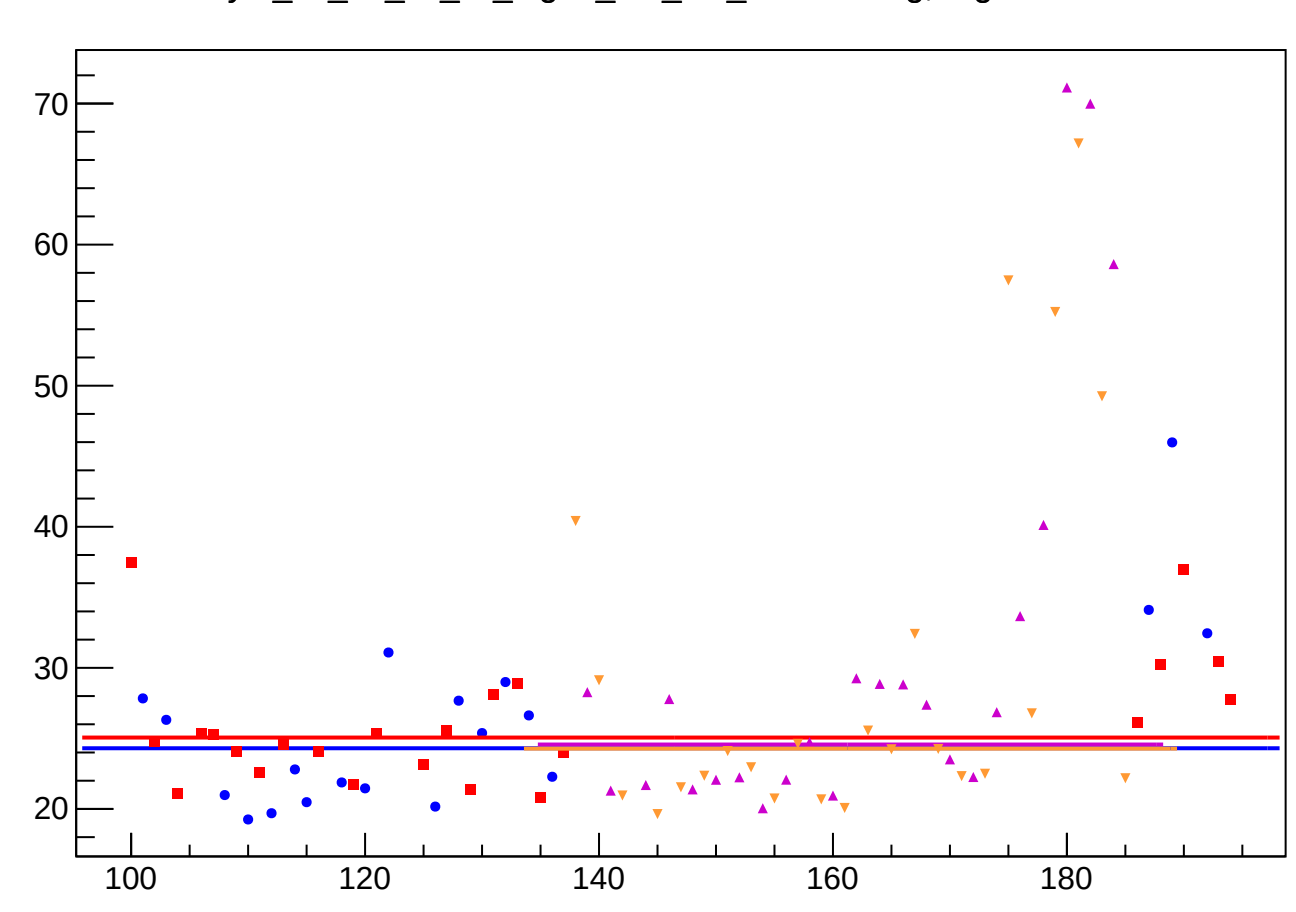
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.000+/-0.006 χ^2/NDF: 30.2/41

In: 0.002+/-0.005 χ^2/NDF:47.3/41

Out: -0.001+/-0.005 χ^2/NDF:34.3/46

All: 0.001+/-0.004 χ^2/NDF: 81.8/88



Right In: 24.301+/-0.006 χ^2/NDF: 606425.4/18

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

Right Out: 25.059+/-0.006 χ^2/NDF: 341881.7/22

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

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

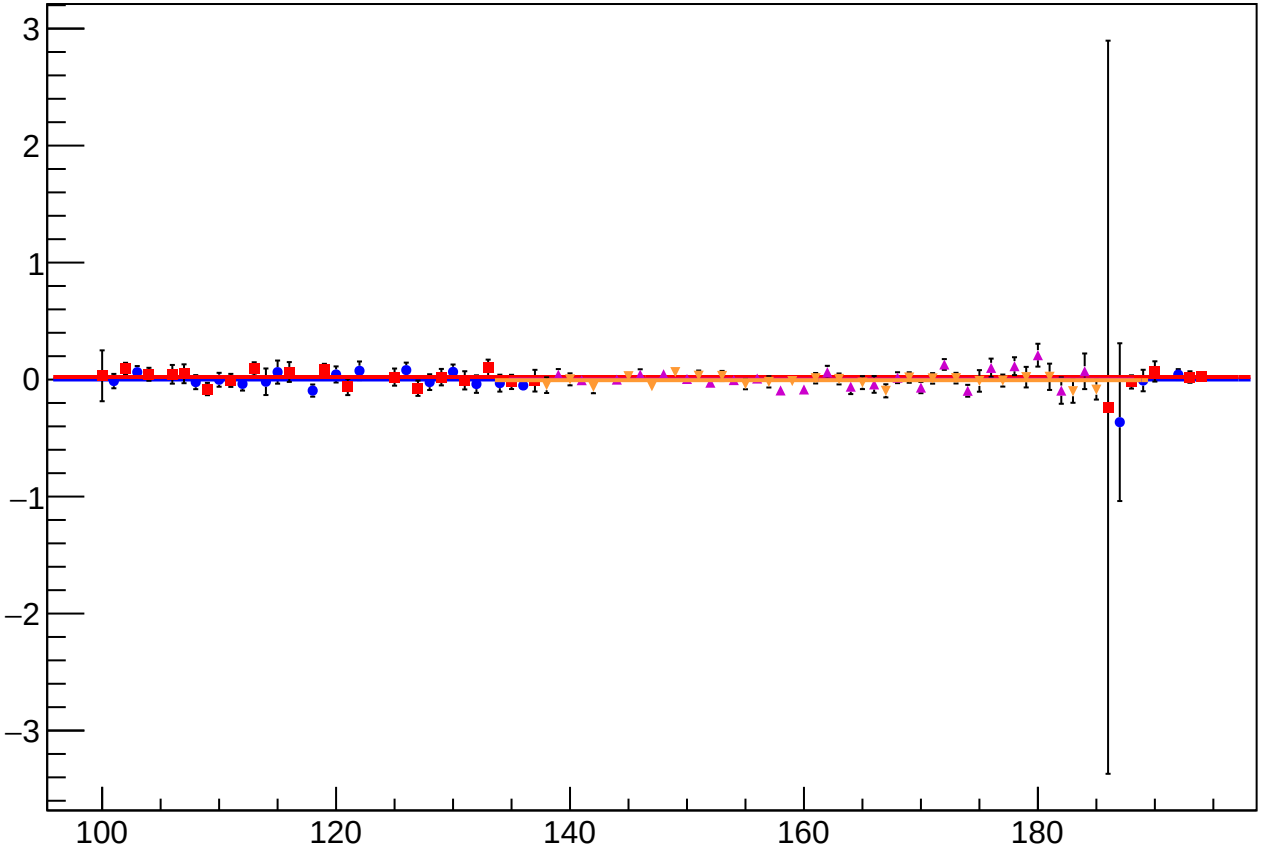
Right: 24.710+/-0.004 χ^2/NDF: 956280.0/41

In: 24.474+/-0.004 χ^2/NDF:2740512.8/41

Out: 24.570+/-0.004 χ^2/NDF:2664114.4/46

All: 24.524+/-0.003 χ^2/NDF: 5404986.8/88

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.015 χ^2/NDF: 12.8/18

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

Right Out: 0.022+/-0.013 χ^2/NDF: 16.3/22

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

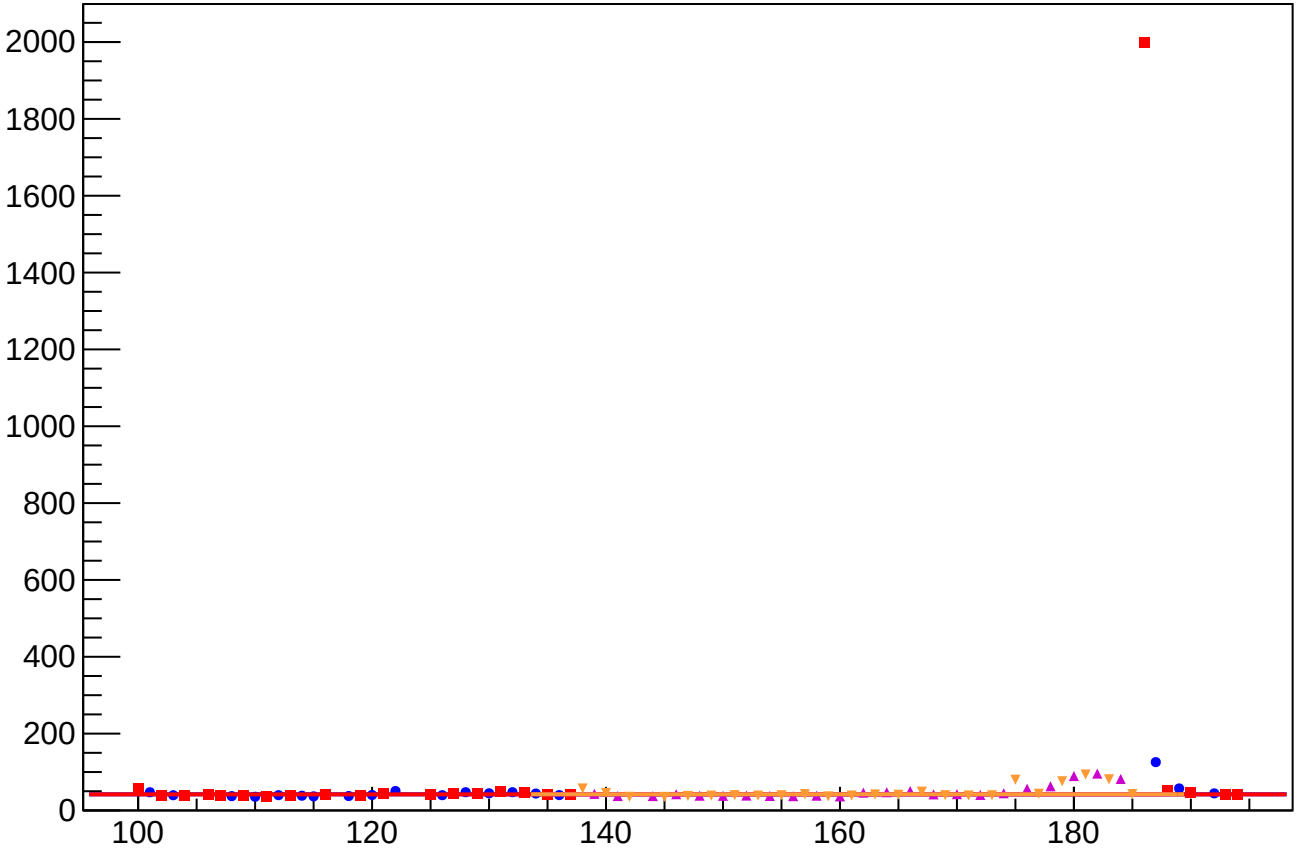
Right: 0.012+/-0.010 χ^2/NDF: 30.3/41

In: 0.000+/-0.008 χ^2/NDF:50.8/41

Out: 0.005+/-0.008 χ^2/NDF:32.7/46

All: 0.003+/-0.006 χ^2/NDF: 83.6/88

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.013+/-0.010 χ^2/NDF: 231870.8/18

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

Right Out: 41.895+/-0.009 χ^2/NDF: 951400.7/22

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

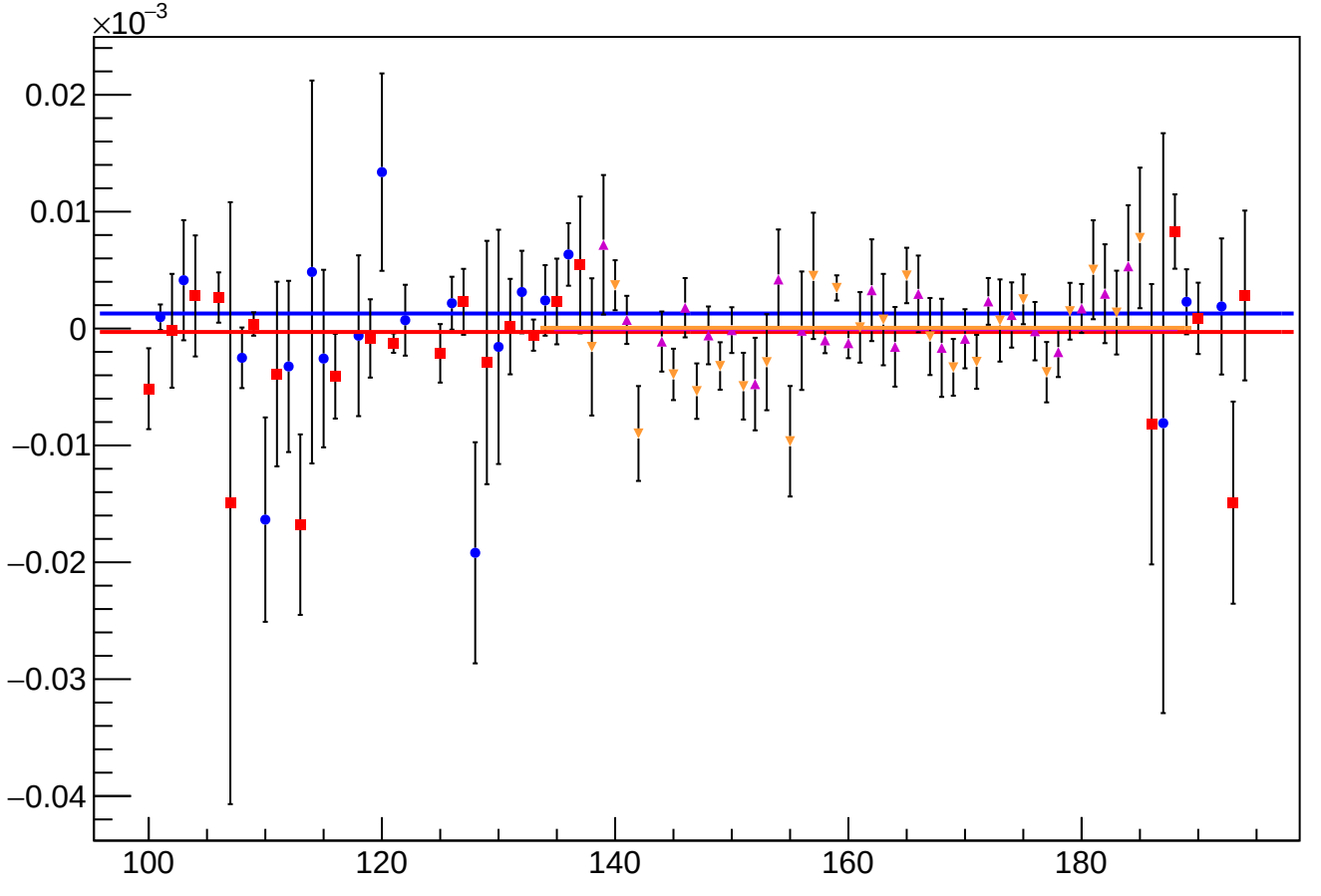
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 41.949+/-0.007 χ^2/NDF: 1183342.1/41

In: 42.056+/-0.006 χ^2/NDF:1775402.0/41

Out: 42.016+/-0.006 χ^2/NDF:2667706.4/46

All: 42.035+/-0.004 χ^2/NDF: 4443131.9/88



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/18

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

Right Out: -0.000+/-0.000 χ^2/NDF: 26.0/22

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

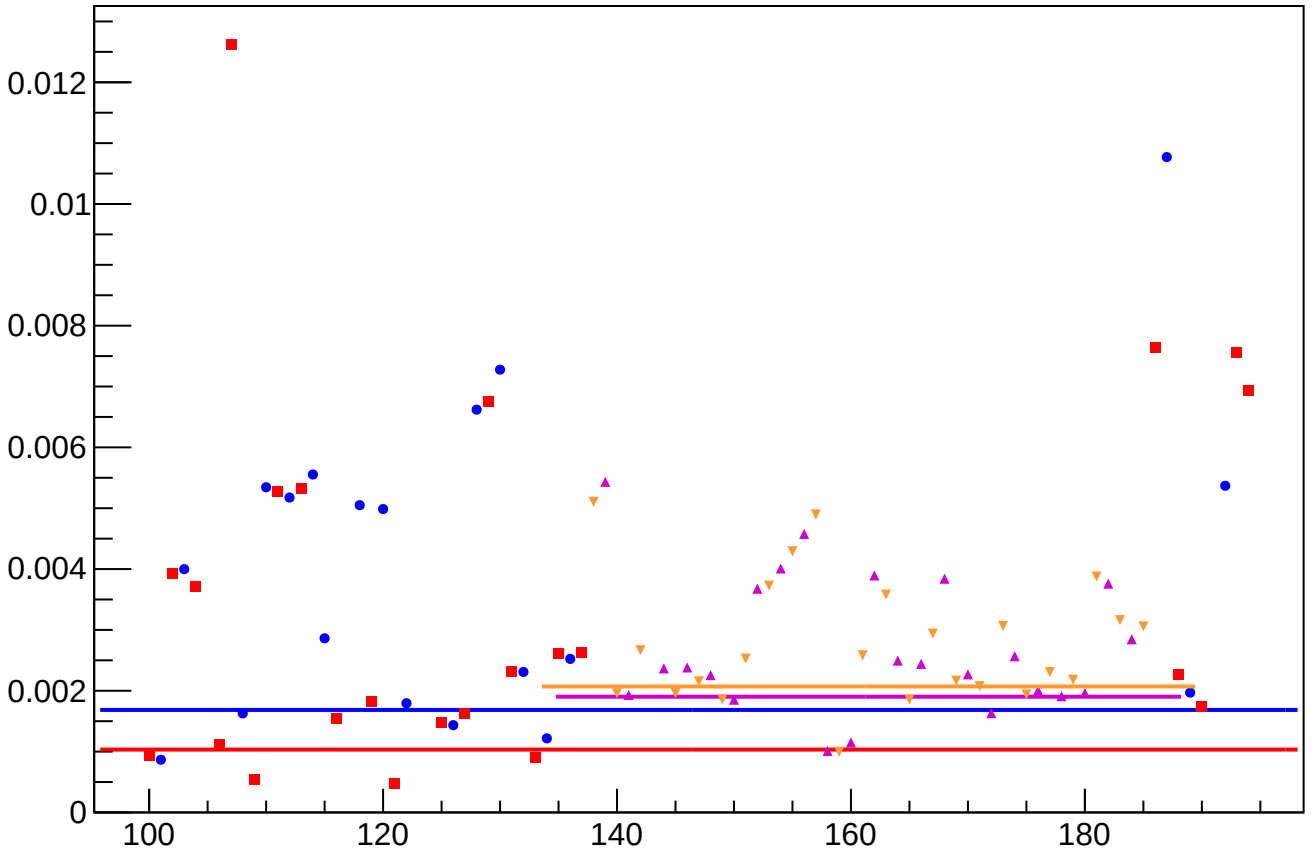
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: 0.000+/-0.000 χ^2/NDF: 48.0/41

In: 0.000+/-0.000 χ^2/NDF:34.0/41

Out: -0.000+/-0.000 χ^2/NDF:78.0/46

All: 0.000+/-0.000 χ^2/NDF: 112.8/88



Right In: 0.002+/-0.000 χ^2/NDF: 5880819.6/18

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

Right Out: 0.001+/-0.000 χ^2/NDF: 9354495.5/22

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

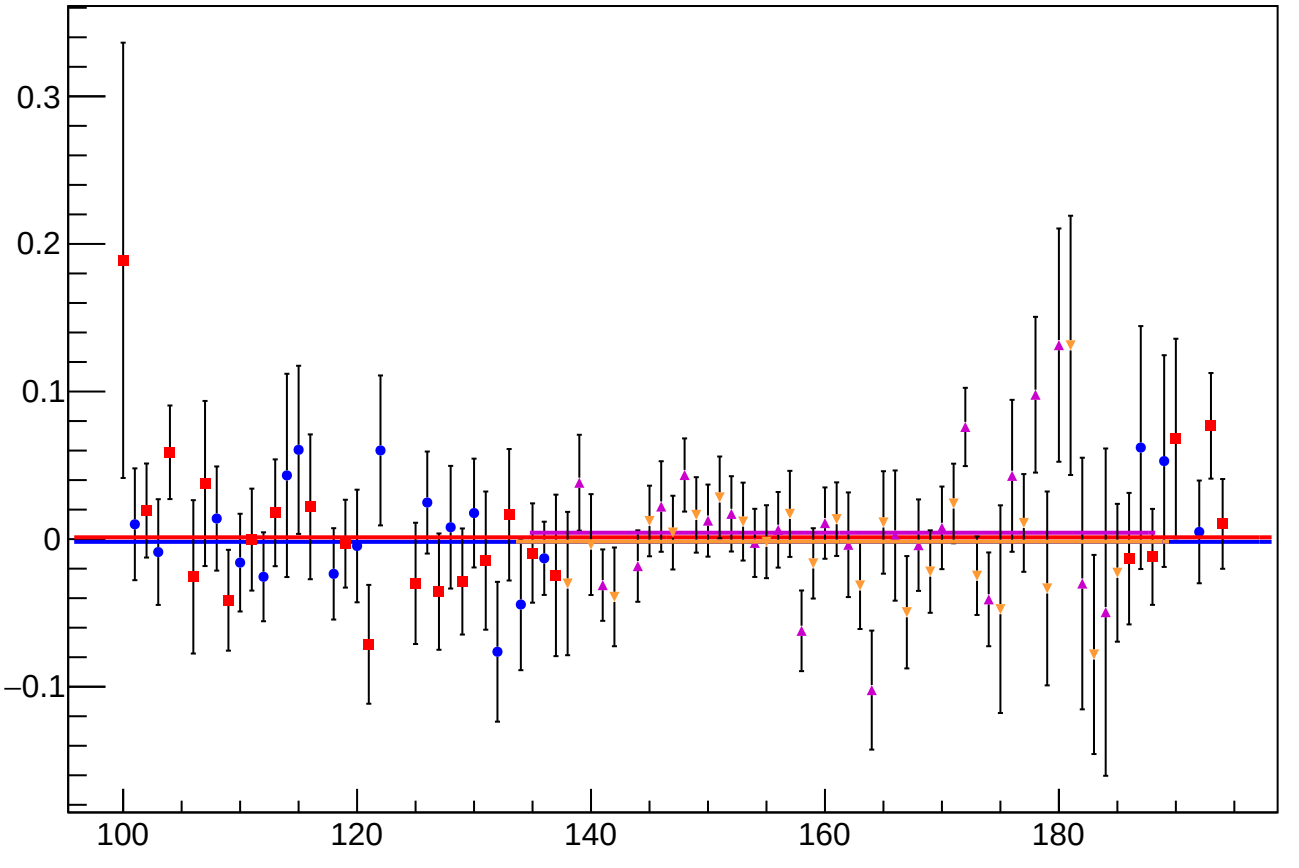
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.001+/-0.000 χ^2/NDF: 16369841.3/41

In: 0.002+/-0.000 χ^2/NDF:11940819.5/41

Out: 0.002+/-0.000 χ^2/NDF:18857550.7/46

All: 0.002+/-0.000 χ^2/NDF: 31515770.9/88



Right In: -0.002+/-0.009 χ^2/NDF: 10.5/18

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

Right Out: 0.001+/-0.008 χ^2/NDF: 19.6/22

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

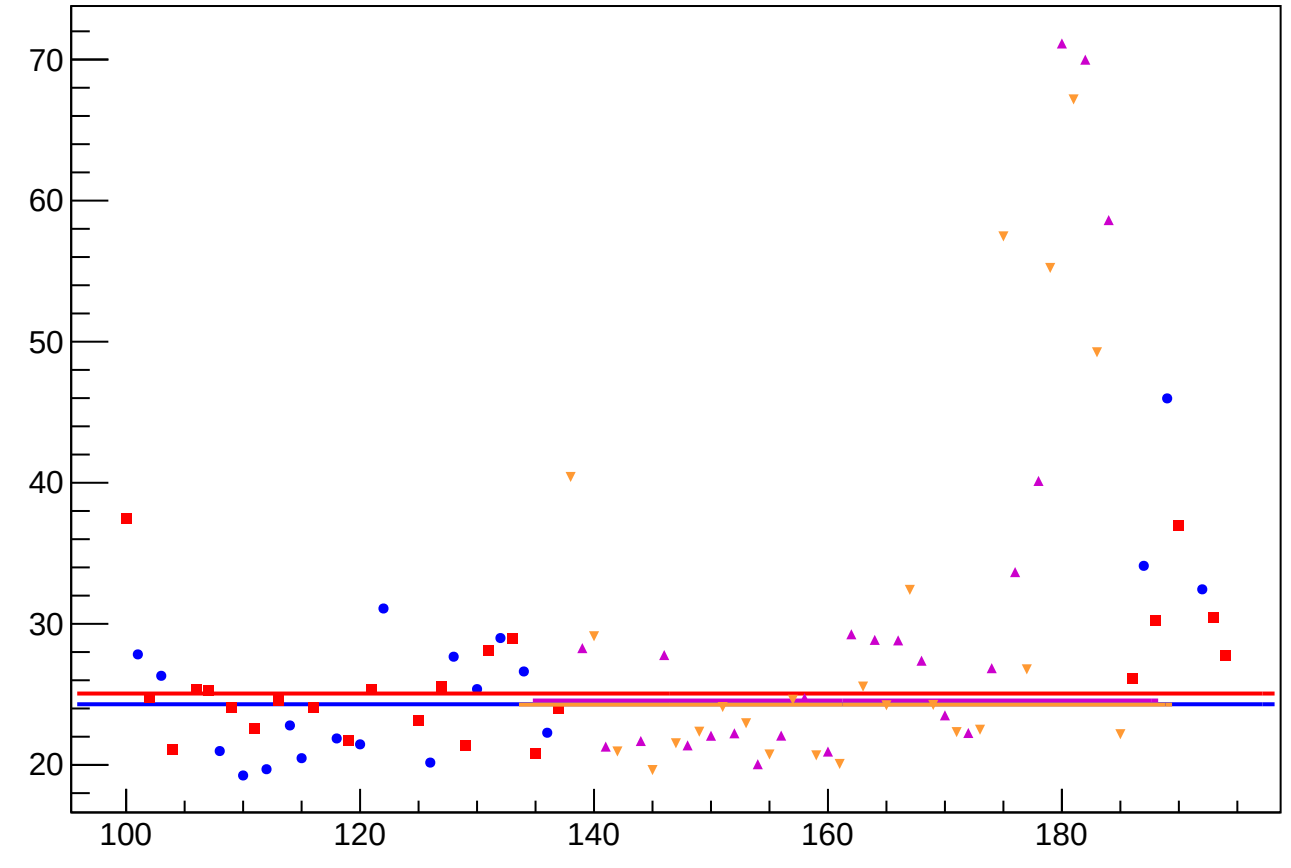
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.000+/-0.006 χ^2/NDF: 30.2/41

In: 0.002+/-0.005 χ^2/NDF:47.3/41

Out: -0.001+/-0.005 χ^2/NDF:34.3/46

All: 0.001+/-0.004 χ^2/NDF: 81.8/88



Right In: 24.300+/-0.006 χ^2/NDF: 606403.4/18

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

Right Out: 25.059+/-0.006 χ^2/NDF: 341780.3/22

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

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

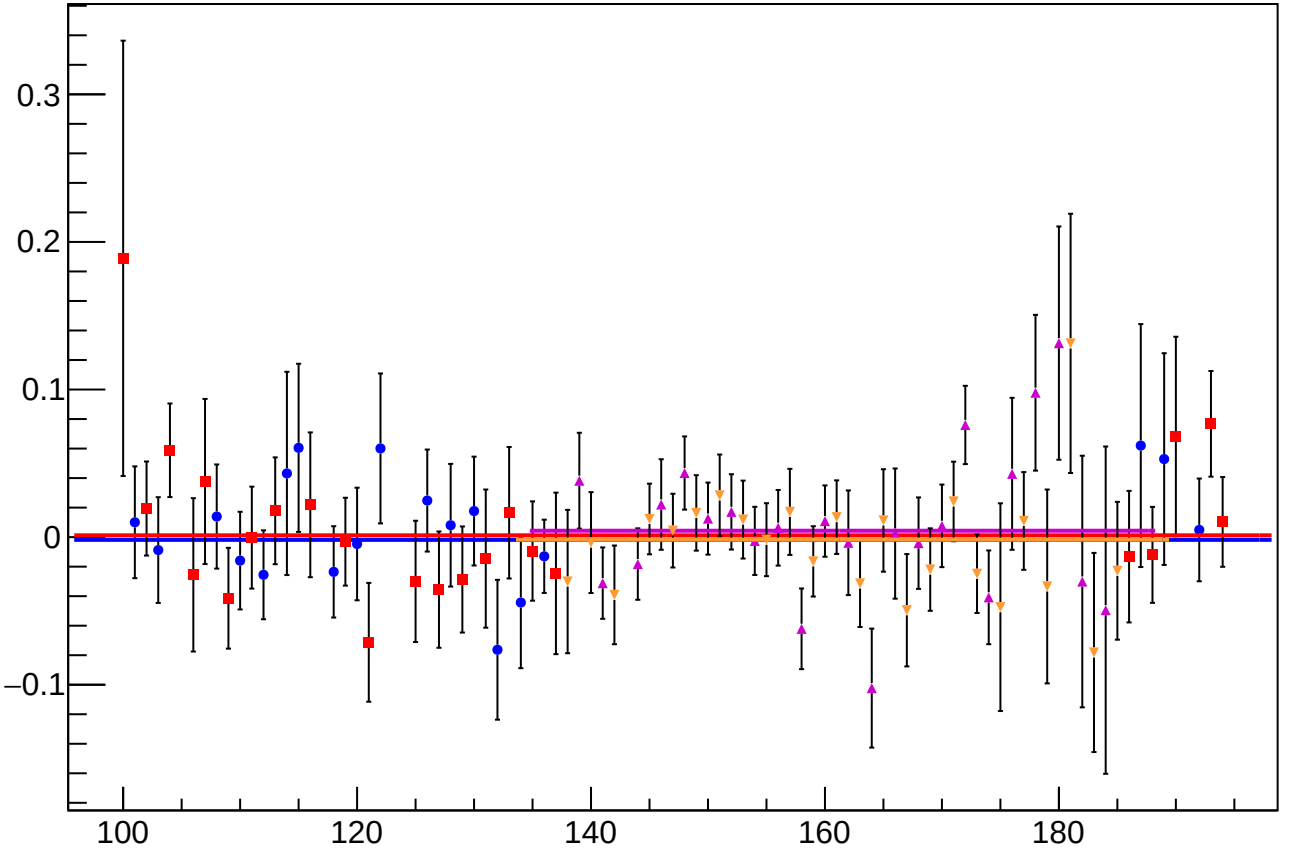
Right: 24.710+/-0.004 χ^2/NDF: 956173.9/41

In: 24.474+/-0.004 χ^2/NDF:2740364.6/41

Out: 24.571+/-0.004 χ^2/NDF:2664019.2/46

All: 24.524+/-0.003 χ^2/NDF: 5404744.4/88

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.009 χ^2/NDF: 10.5/18

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

Right Out: 0.001+/-0.008 χ^2/NDF: 19.6/22

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

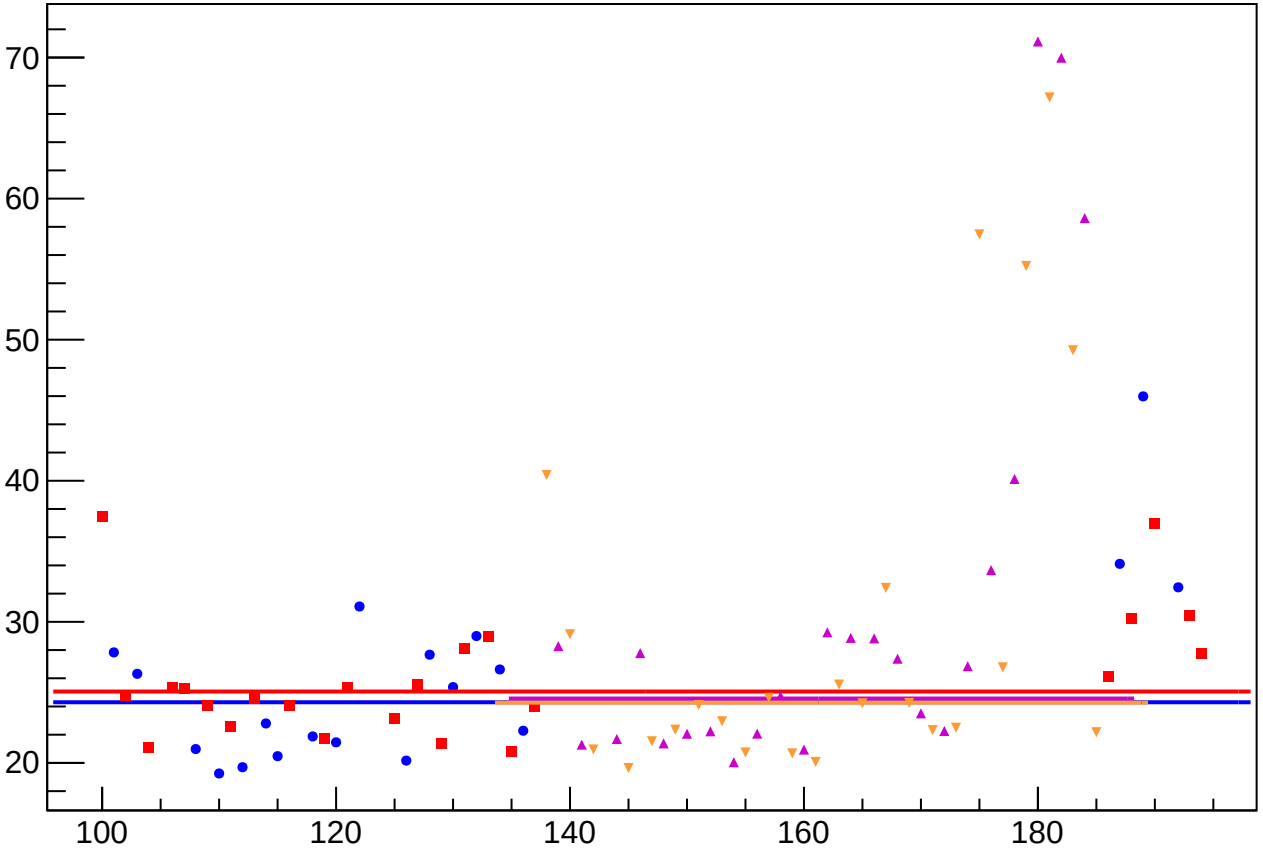
Right: -0.000+/-0.006 χ^2/NDF: 30.2/41

In: 0.002+/-0.005 χ^2/NDF:47.3/41

Out: -0.001+/-0.005 χ^2/NDF:34.3/46

All: 0.001+/-0.004 χ^2/NDF: 81.8/88

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.300+/-0.006 χ^2/NDF: 606403.4/18

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

Right Out: 25.059+/-0.006 χ^2/NDF: 341780.3/22

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

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

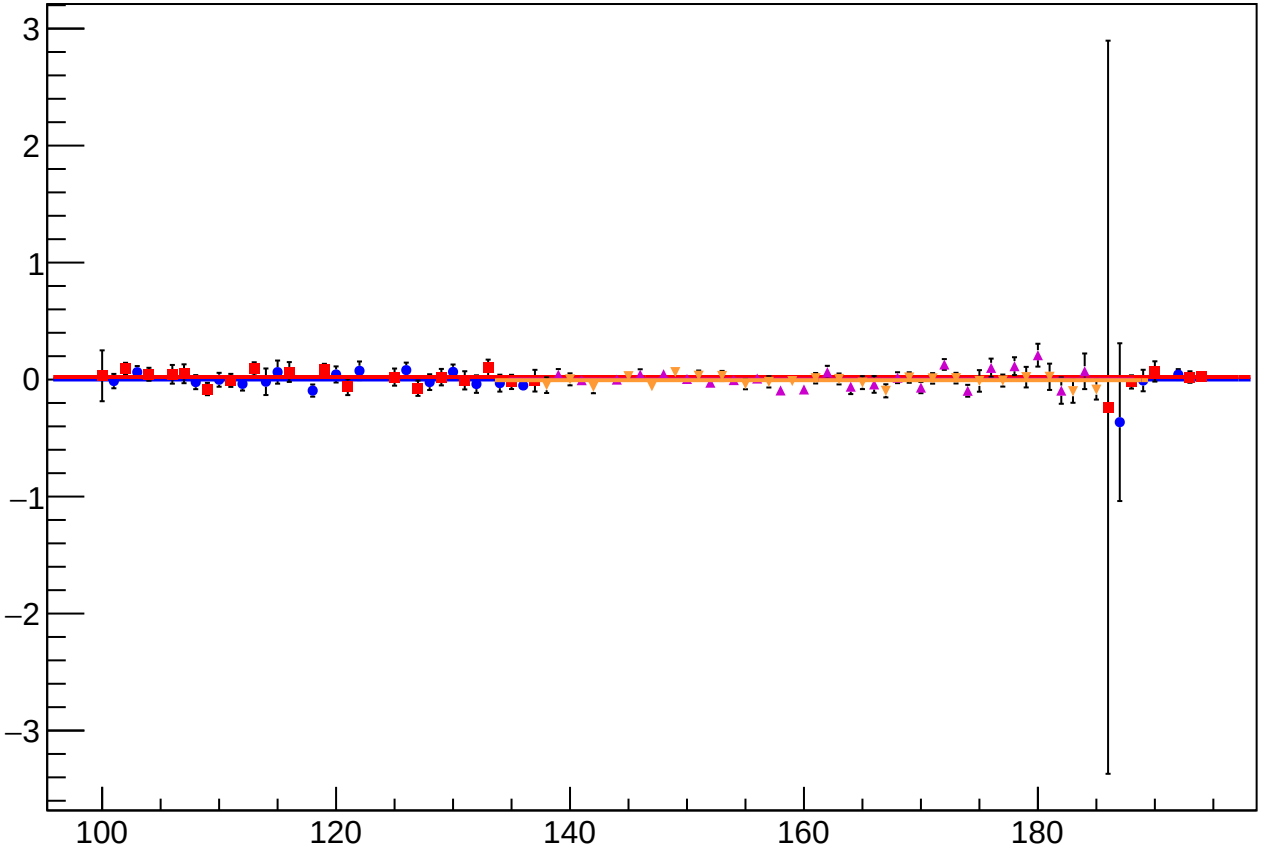
Right: 24.710+/-0.004 χ^2/NDF: 956173.9/41

In: 24.474+/-0.004 χ^2/NDF:2740364.6/41

Out: 24.571+/-0.004 χ^2/NDF:2664019.2/46

All: 24.524+/-0.003 χ^2/NDF: 5404744.4/88

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.015 χ^2/NDF: 12.8/18

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

Right Out: 0.022+/-0.013 χ^2/NDF: 16.3/22

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

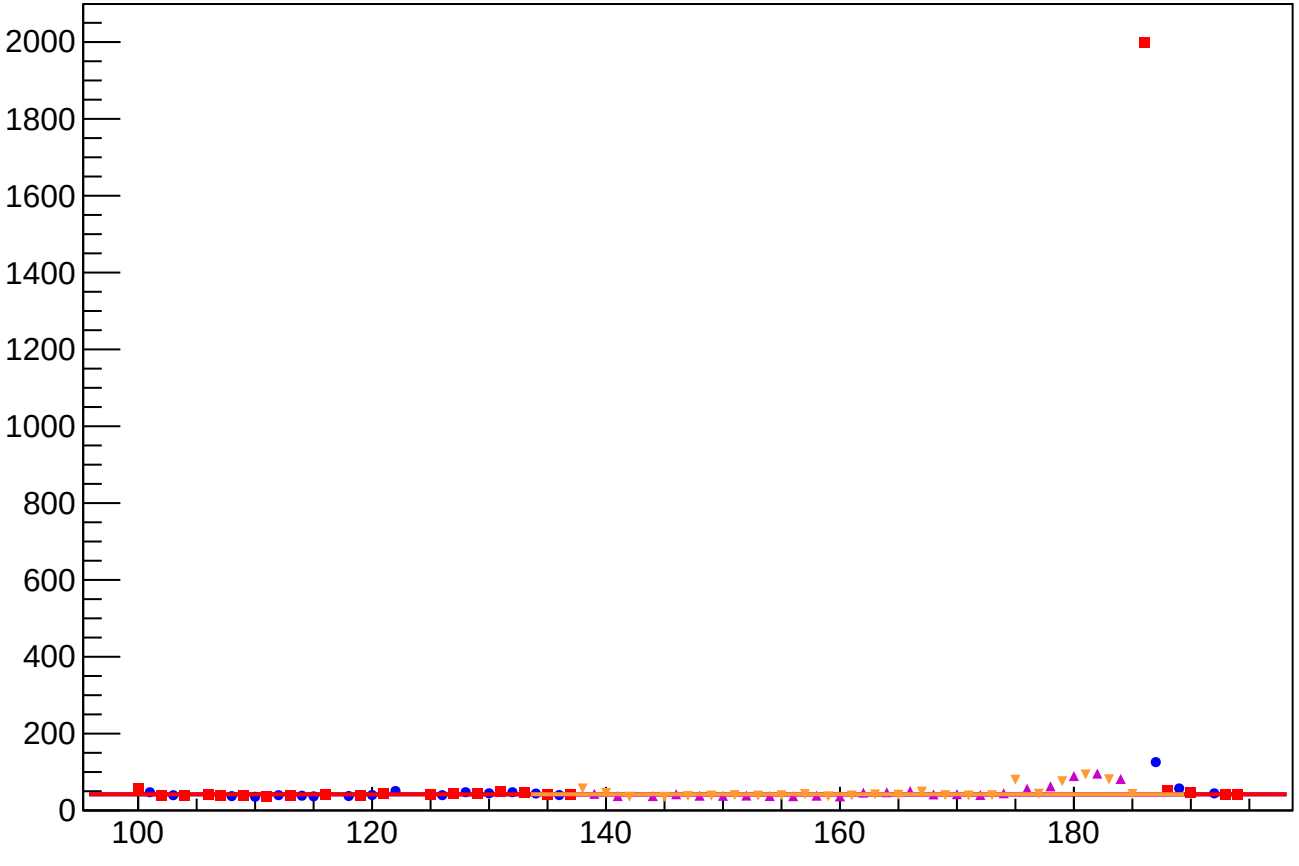
Right: 0.012+/-0.010 χ^2/NDF: 30.3/41

In: 0.000+/-0.008 χ^2/NDF:50.8/41

Out: 0.005+/-0.008 χ^2/NDF:32.7/46

All: 0.003+/-0.006 χ^2/NDF: 83.6/88

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.013+/-0.010 χ^2/NDF: 231841.7/18

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

Right Out: 41.895+/-0.009 χ^2/NDF: 951389.7/22

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

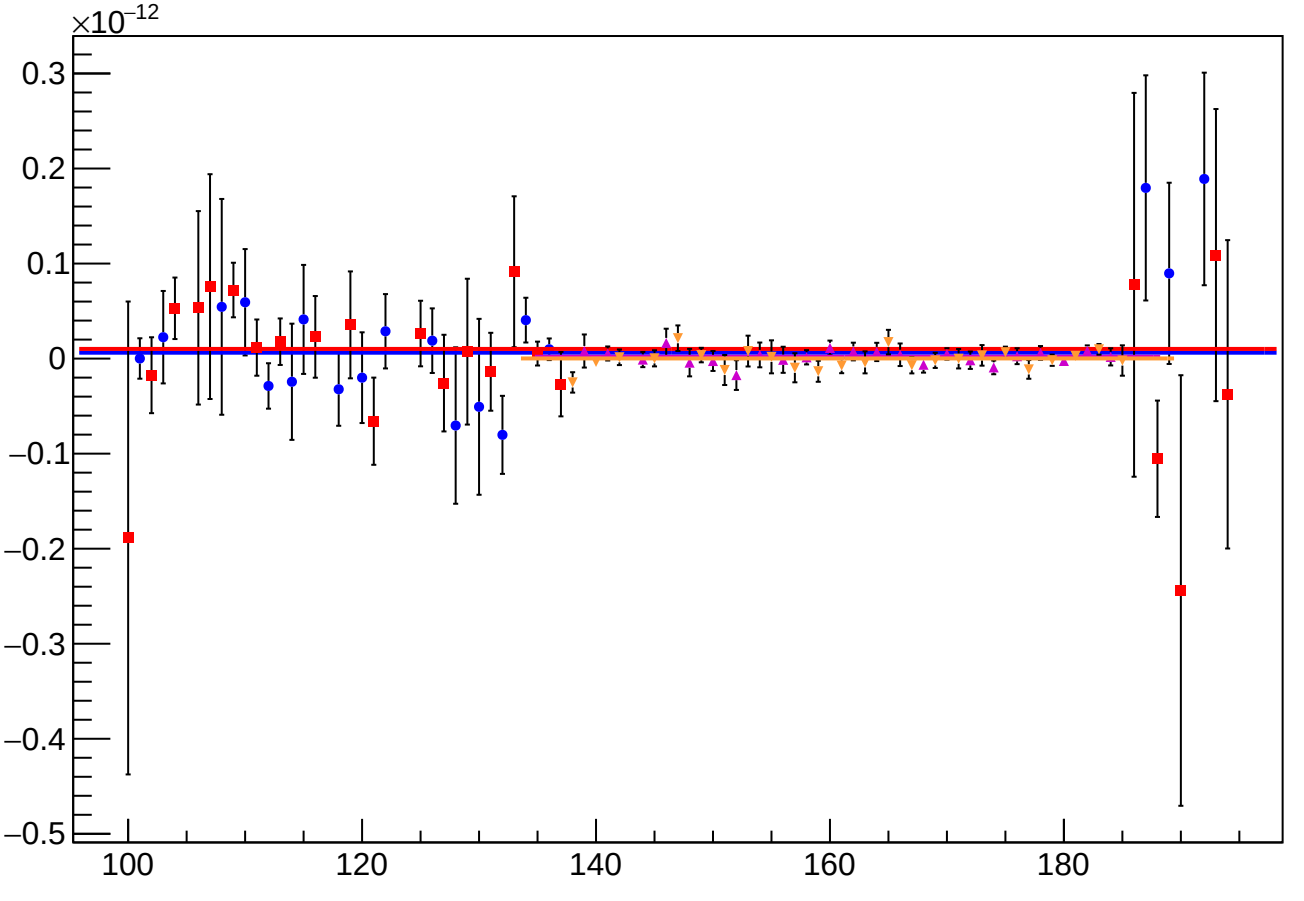
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 41.949+/-0.007 χ^2/NDF: 1183301.6/41

In: 42.056+/-0.006 χ^2/NDF:1775348.9/41

Out: 42.016+/-0.006 χ^2/NDF:2667686.6/46

All: 42.035+/-0.004 χ^2/NDF: 4443059.0/88



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/18

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

Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/22

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

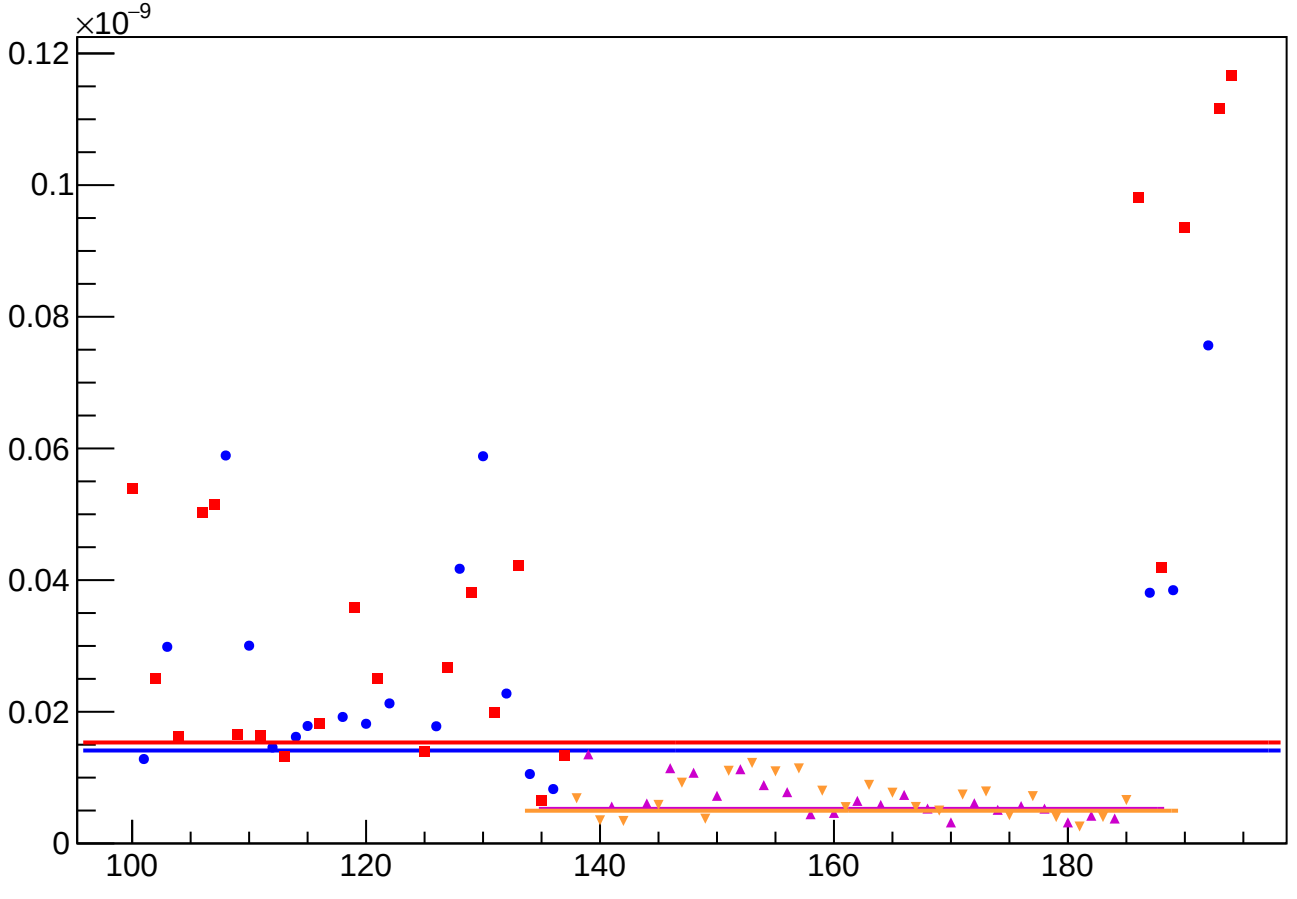
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 39.5/41

In: 0.000+/-0.000 χ^2/NDF:31.4/41

Out: 0.000+/-0.000 χ^2/NDF:42.8/46

All: 0.000+/-0.000 χ^2/NDF: 74.6/88



Right In: 0.000+/-0.000 χ^2/NDF: 3015863.8/18

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

Right Out: 0.000+/-0.000 χ^2/NDF: 5032573.9/22

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

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

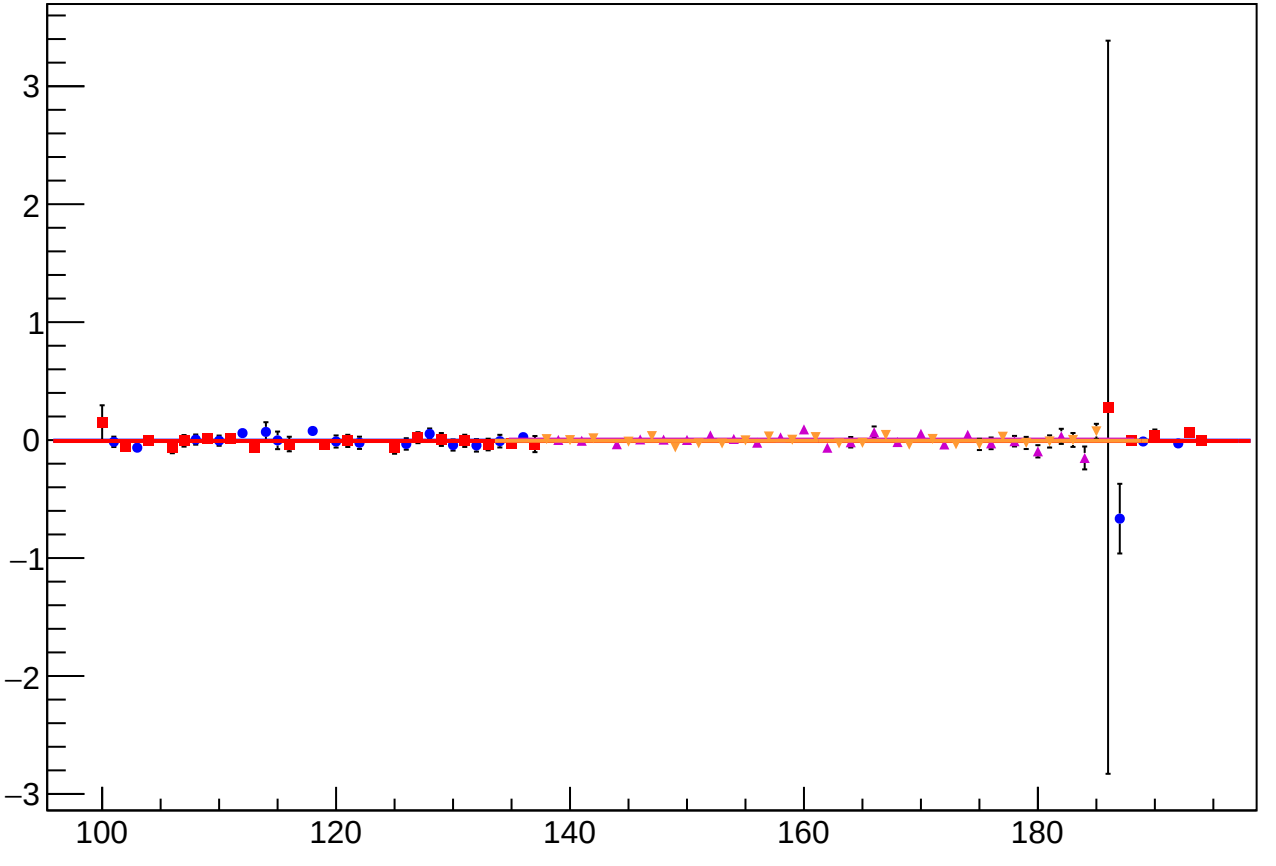
Right: 0.000+/-0.000 χ^2/NDF: 8074768.1/41

In: 0.000+/-0.000 χ^2/NDF:8409905.0/41

Out: 0.000+/-0.000 χ^2/NDF:12032671.3/46

All: 0.000+/-0.000 χ^2/NDF: 20471848.7/88

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.010 χ^2/NDF: 21.4/18

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

Right Out: -0.008+/-0.009 χ^2/NDF: 18.7/22

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

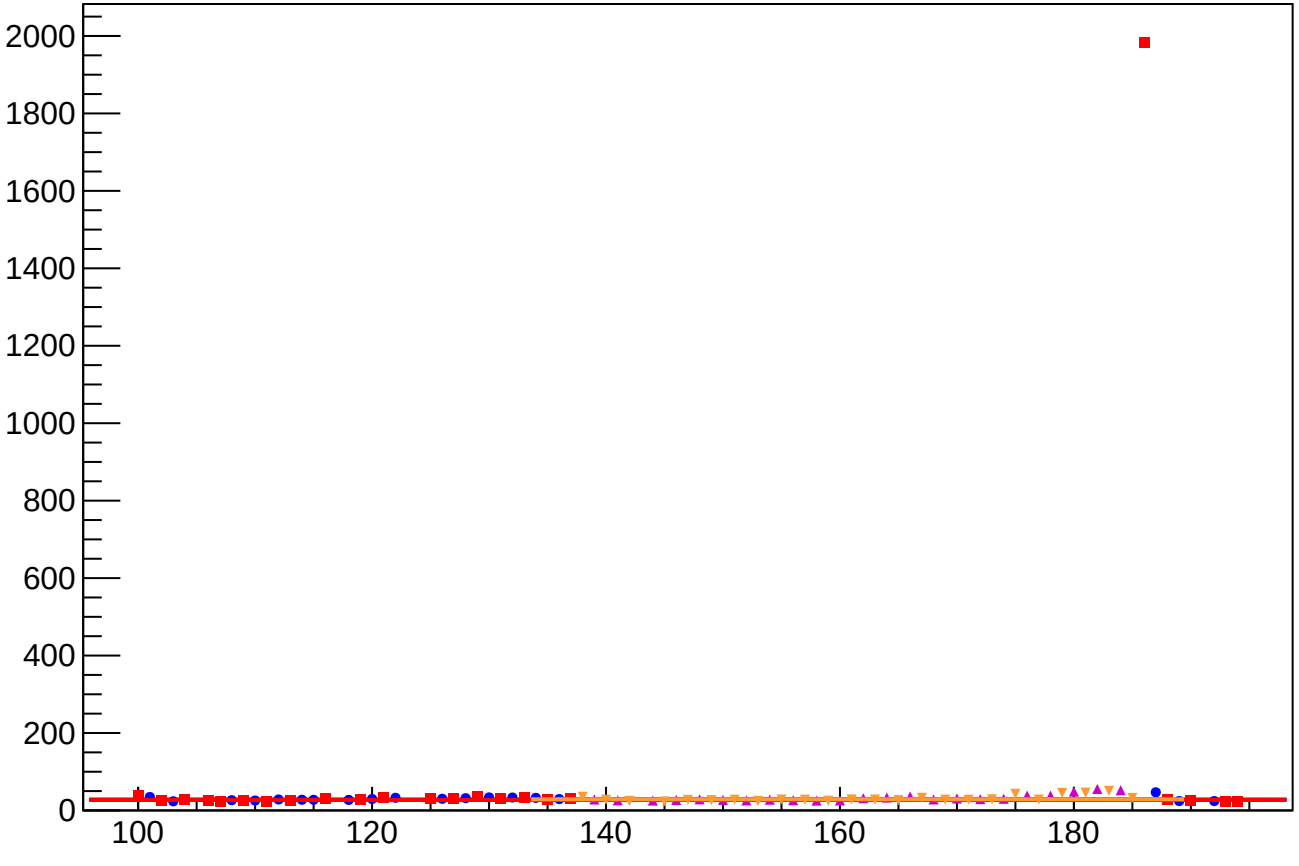
Right: -0.006+/-0.007 χ^2/NDF: 40.2/41

In: 0.001+/-0.006 χ^2/NDF:53.2/41

Out: -0.006+/-0.006 χ^2/NDF:35.5/46

All: -0.003+/-0.004 χ^2/NDF: 89.5/88

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.118+/-0.007 χ^2/NDF: 267103.8/18

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

Right Out: 27.146+/-0.006 χ^2/NDF: 1051122.9/22

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

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

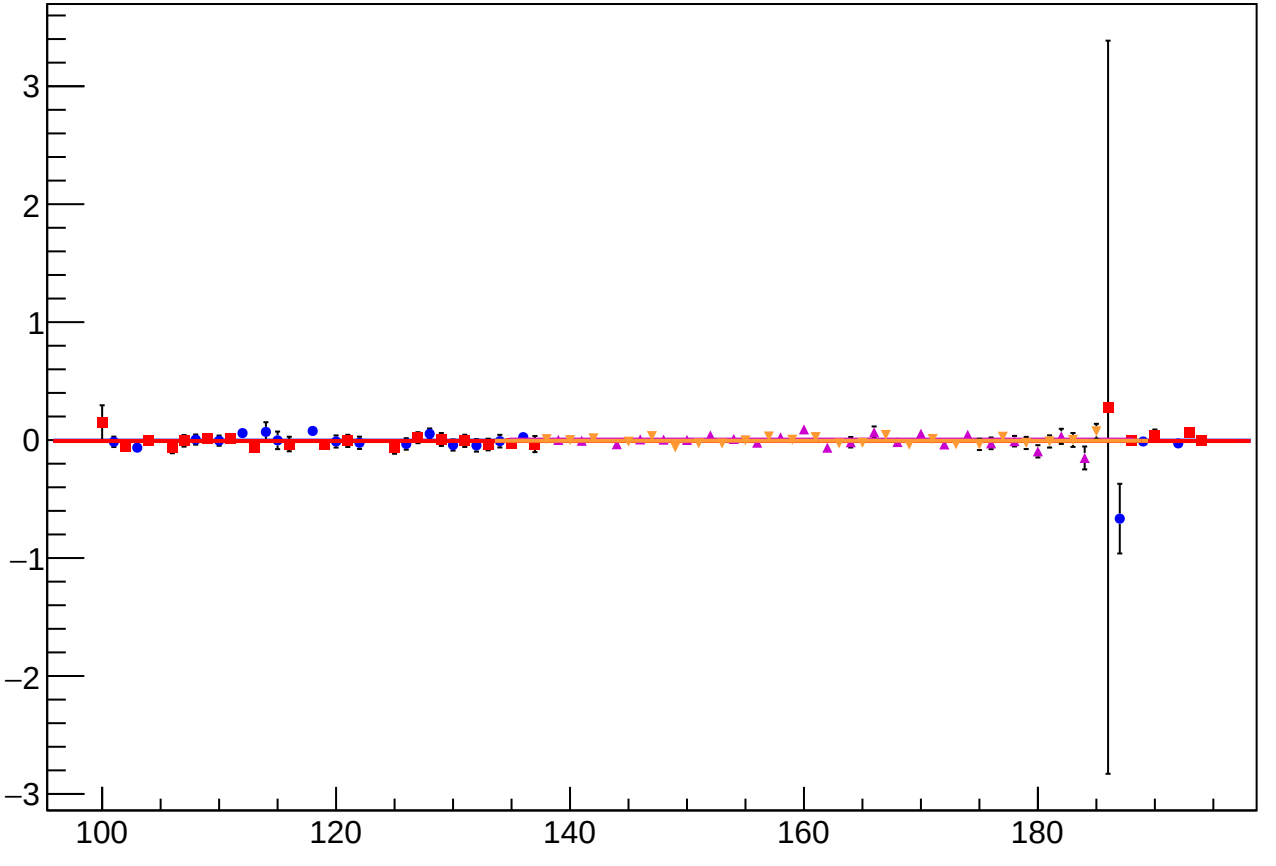
Right: 27.578+/-0.005 χ^2/NDF: 1328849.5/41

In: 28.865+/-0.004 χ^2/NDF:1424640.2/41

Out: 28.149+/-0.004 χ^2/NDF:2263246.9/46

All: 28.488+/-0.003 χ^2/NDF: 3703806.2/88

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.010 χ^2/NDF: 21.4/18

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

Right Out: -0.008+/-0.009 χ^2/NDF: 18.7/22

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

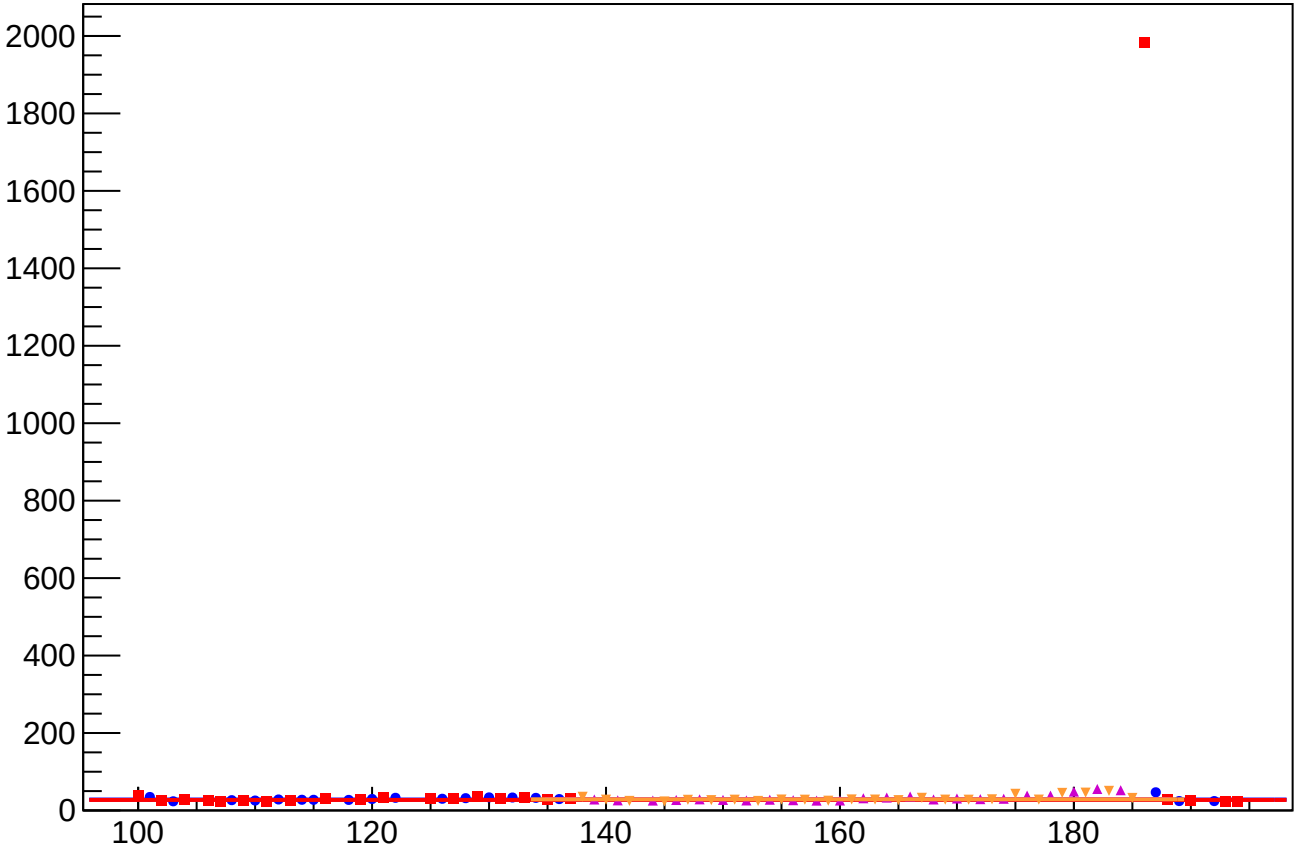
Right: -0.006+/-0.007 χ^2/NDF: 40.2/41

In: 0.001+/-0.006 χ^2/NDF:53.2/41

Out: -0.006+/-0.006 χ^2/NDF:35.5/46

All: -0.003+/-0.004 χ^2/NDF: 89.5/88

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.118+/-0.007 χ^2/NDF: 267103.8/18

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

Right Out: 27.146+/-0.006 χ^2/NDF: 1051122.9/22

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

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

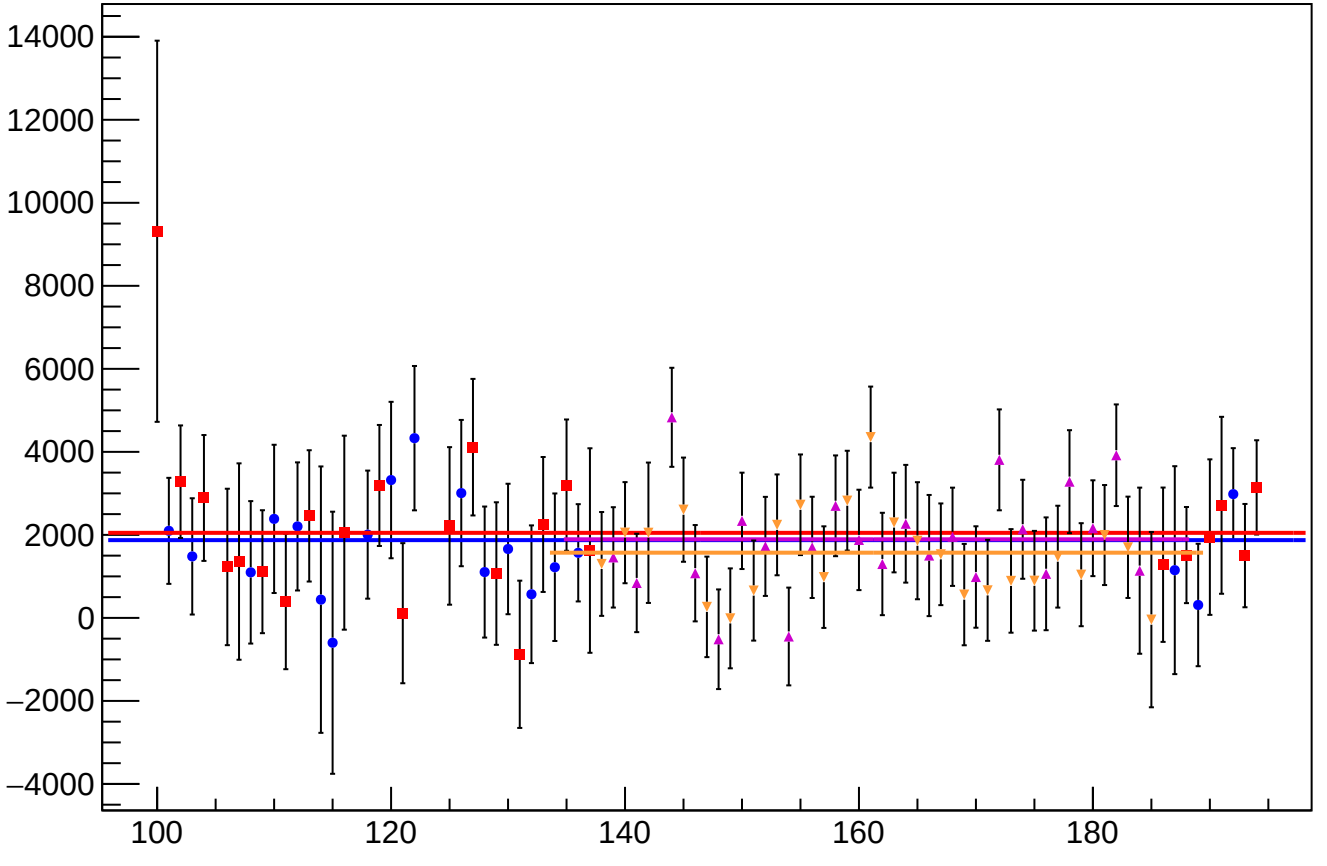
Right: 27.578+/-0.005 χ^2/NDF: 1328849.5/41

In: 28.865+/-0.004 χ^2/NDF:1424640.2/41

Out: 28.149+/-0.004 χ^2/NDF:2263246.9/46

All: 28.488+/-0.003 χ^2/NDF: 3703806.2/88

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 1873.414+/-367.672 χ^2/NDF: 7.5/18

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

Right Out: 2049.122+/-334.603 χ^2/NDF: 14.1/23

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

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

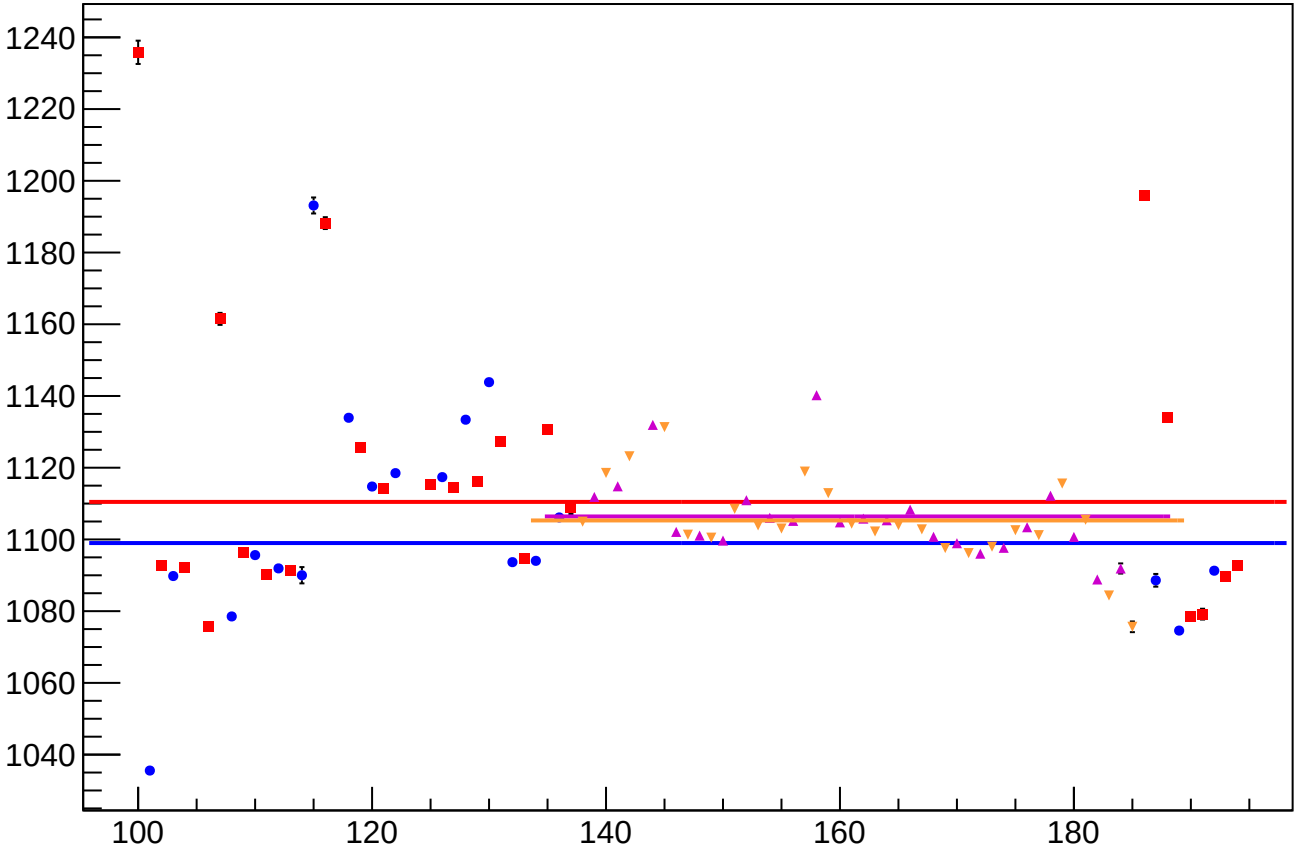
Right: 1969.524+/-247.467 χ^2/NDF: 21.8/42

In: 1886.759+/-211.378 χ^2/NDF:31.7/41

Out: 1748.036+/-203.586 χ^2/NDF:30.8/47

All: 1814.794+/-146.634 χ^2/NDF: 62.7/89

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1098.992+/-0.260 χ^2/NDF: 12151.1/18

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

Right Out: 1110.465+/-0.237 χ^2/NDF: 14815.8/23

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

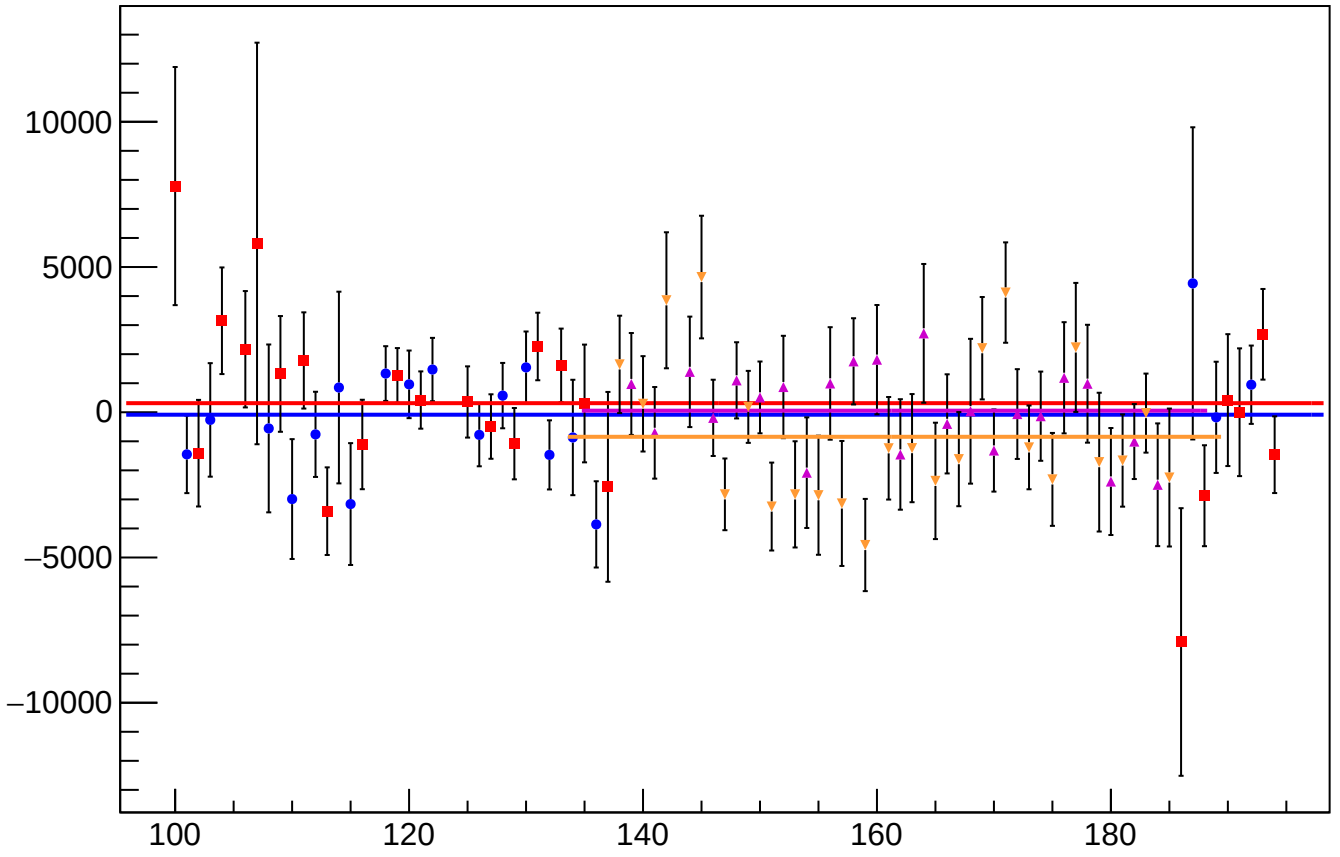
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1105.267+/-0.175 χ^2/NDF: 28032.1/42

In: 1103.955+/-0.149 χ^2/NDF:16471.9/41

Out: 1107.208+/-0.144 χ^2/NDF:18278.3/47

All: 1105.643+/-0.104 χ^2/NDF: 34996.0/89



Right In: -84.383+/-329.015 χ^2/NDF: 22.4/18

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

Right Out: 312.955+/-313.692 χ^2/NDF: 34.3/23

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

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

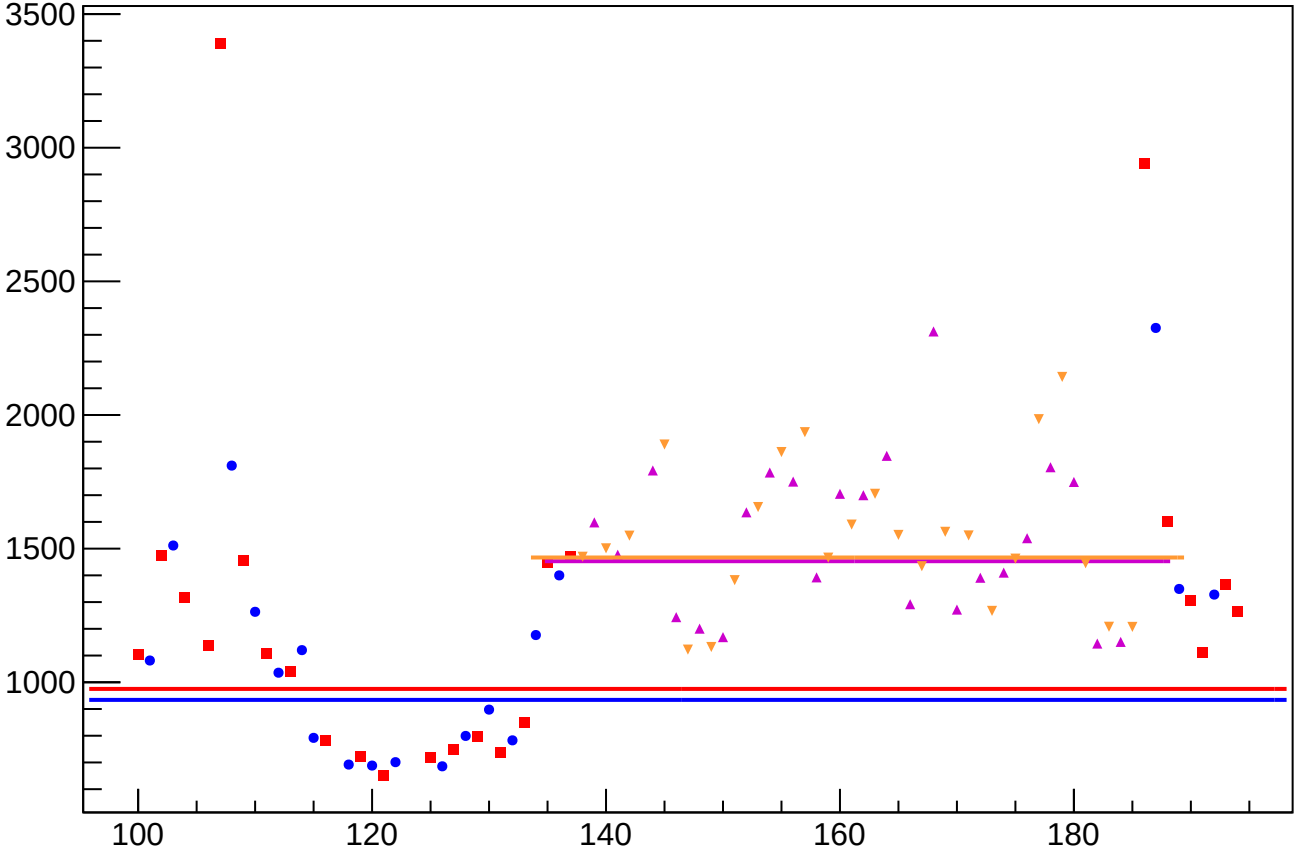
Right: 123.753+/-227.038 χ^2/NDF: 57.4/42

In: -18.499+/-238.415 χ^2/NDF:35.5/41

Out: -207.065+/-232.805 χ^2/NDF:84.5/47

All: -115.026+/-166.566 χ^2/NDF: 120.3/89

asym_usl_reg_correction_rms vs Slug, Sign Corrected



Right In: 934.087+/-0.233 χ^2/NDF: 1565863.7/18

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

Right Out: 975.167+/-0.222 χ^2/NDF: 2364838.8/23

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

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

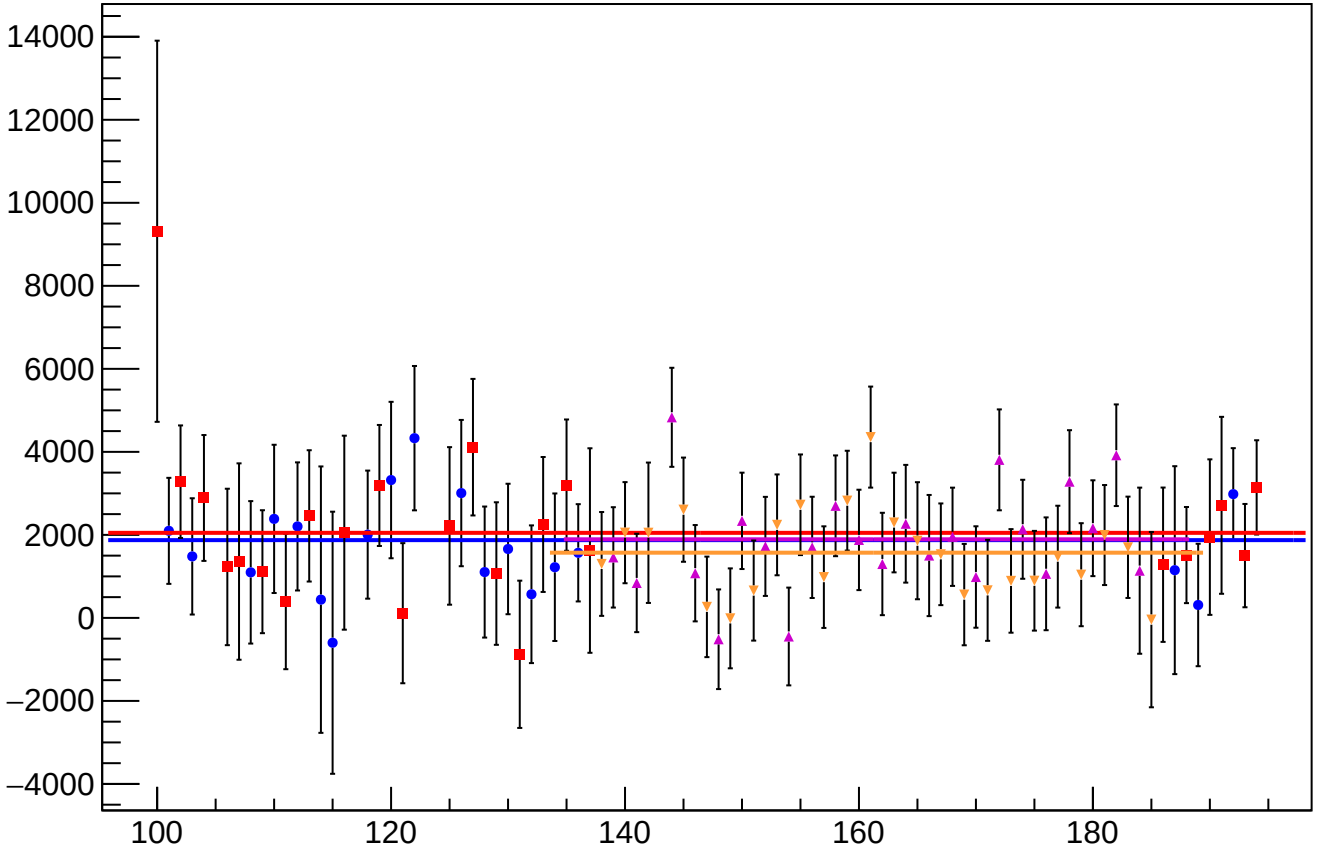
Right: 955.606+/-0.161 χ^2/NDF: 3947034.5/42

In: 1180.515+/-0.169 χ^2/NDF:5057911.1/41

Out: 1196.039+/-0.165 χ^2/NDF:5615362.4/47

All: 1188.462+/-0.118 χ^2/NDF: 10677614.3/8

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1873.414+/-367.672 χ^2/NDF: 7.5/18

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

Right Out: 2049.109+/-334.603 χ^2/NDF: 14.1/23

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

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

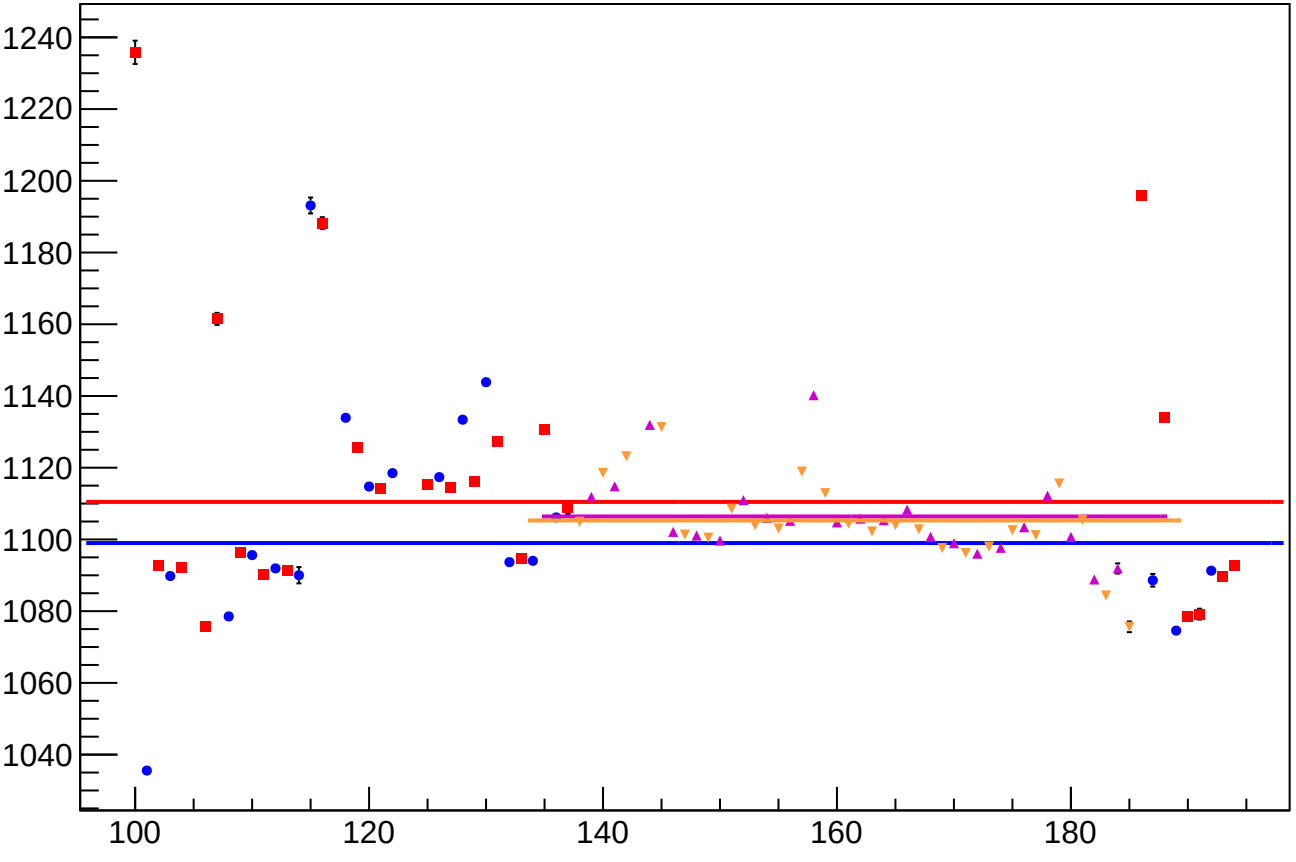
Right: 1969.517+/-247.467 χ^2/NDF: 21.8/42

In: 1886.759+/-211.378 χ^2/NDF:31.7/41

Out: 1748.032+/-203.586 χ^2/NDF:30.8/47

All: 1814.791+/-146.634 χ^2/NDF: 62.7/89

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1098.992+/-0.260 χ^2/NDF: 12151.1/18

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

Right Out: 1110.465+/-0.237 χ^2/NDF: 14815.8/23

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

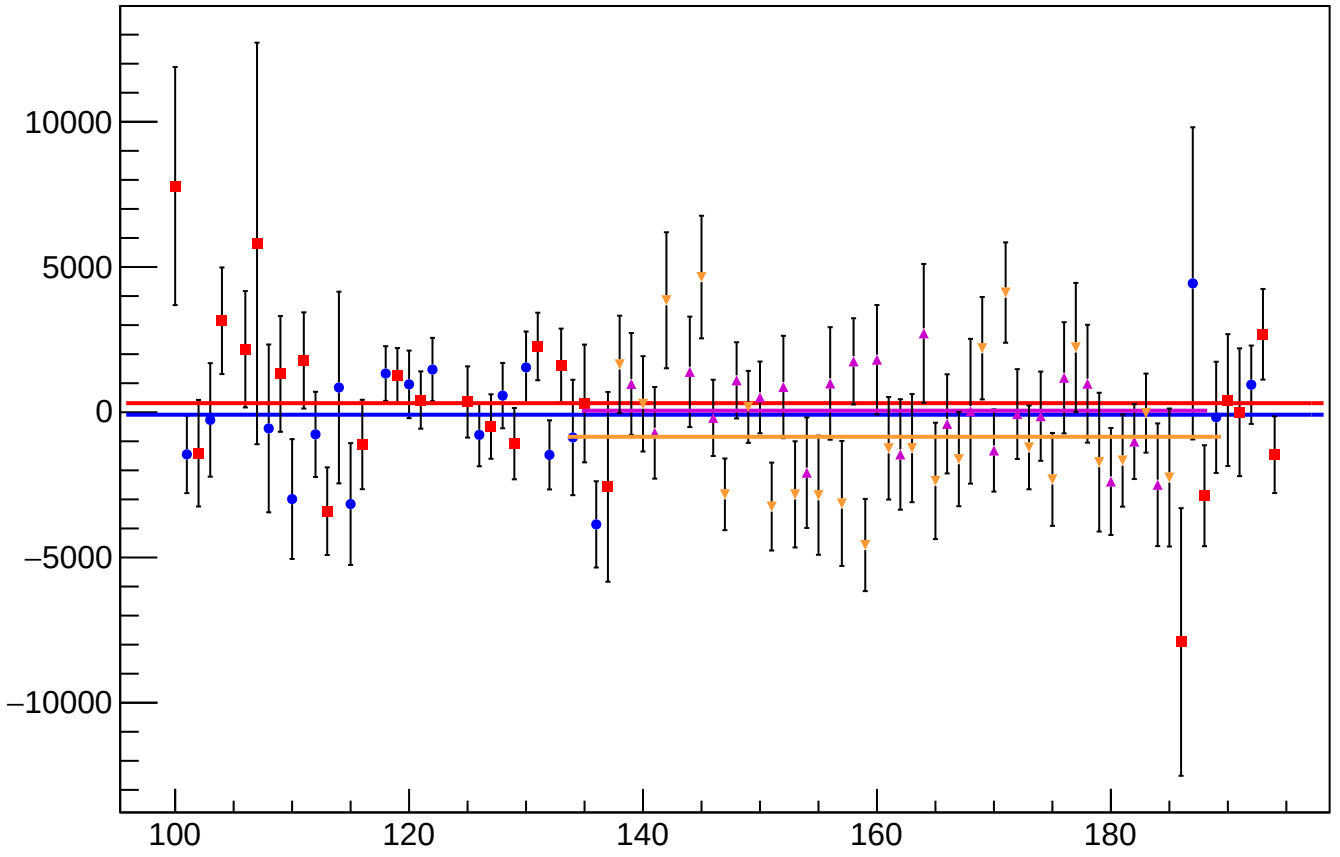
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1105.267+/-0.175 χ^2/NDF: 28032.1/42

In: 1103.955+/-0.149 χ^2/NDF:16471.9/41

Out: 1107.208+/-0.144 χ^2/NDF:18278.3/47

All: 1105.643+/-0.104 χ^2/NDF: 34996.0/89



Right In: -84.383+/-329.015 χ^2/NDF: 22.4/18

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

Right Out: 312.954+/-313.692 χ^2/NDF: 34.3/23

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

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

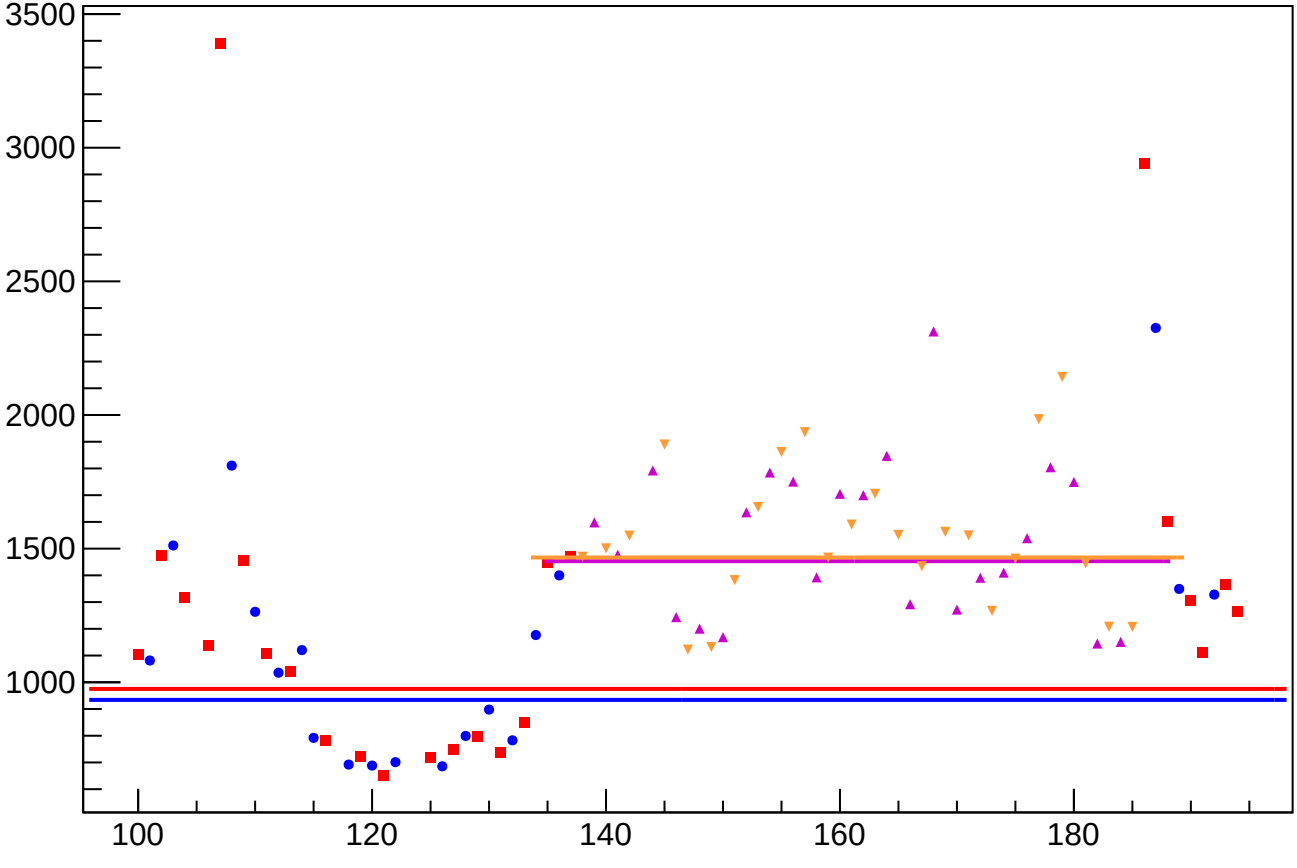
Right: 123.753+/-227.038 χ^2/NDF: 57.4/42

In: -18.499+/-238.415 χ^2/NDF:35.5/41

Out: -207.065+/-232.805 χ^2/NDF:84.5/47

All: -115.026+/-166.566 χ^2/NDF: 120.3/89

asym_usl_cor_correction_rms vs Slug, Sign Corrected



Right In: 934.087+/-0.233 χ^2/NDF: 1565863.7/18

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

Right Out: 975.167+/-0.222 χ^2/NDF: 2364837.5/23

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

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

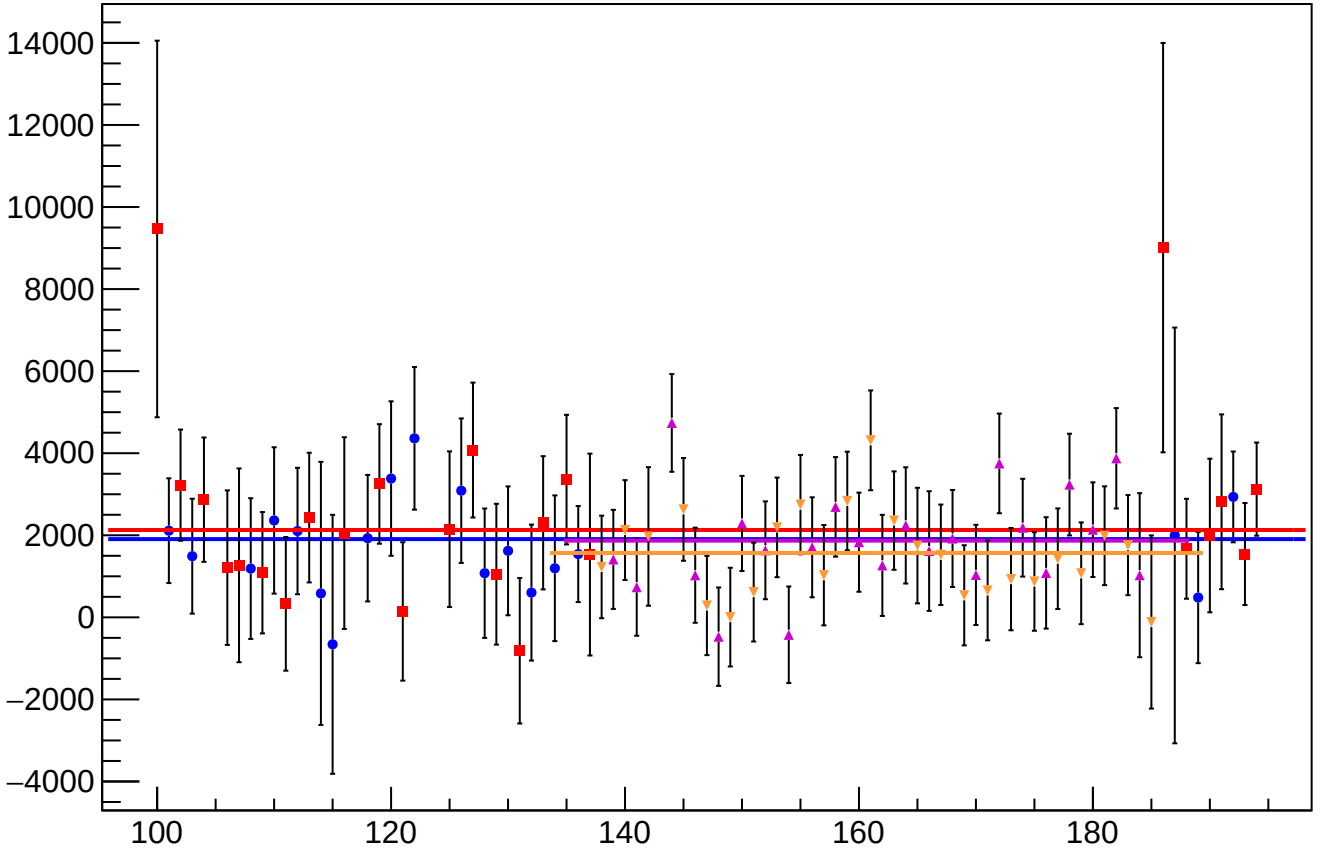
Right: 955.606+/-0.161 χ^2/NDF: 3947033.1/42

In: 1180.515+/-0.169 χ^2/NDF:5057911.1/41

Out: 1196.039+/-0.165 χ^2/NDF:5615363.3/47

All: 1188.462+/-0.118 χ^2/NDF: 10677615.2/8

overload_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1906.728+/-372.179 χ^2/NDF: 7.1/18

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

Right Out: 2128.329+/-340.515 χ^2/NDF: 15.9/23

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

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

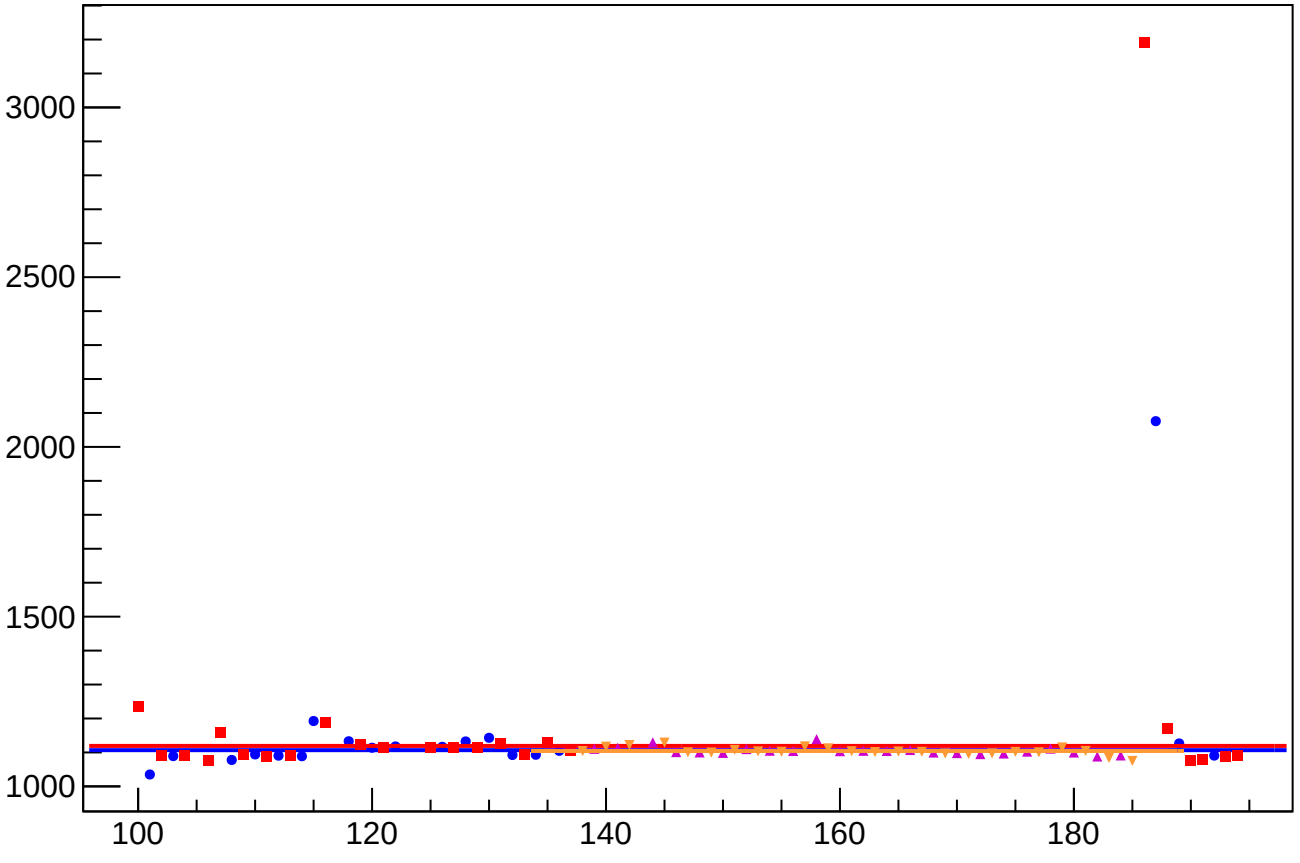
Right: 2027.355+/-251.231 χ^2/NDF: 23.2/42

In: 1881.483+/-212.091 χ^2/NDF:30.5/41

Out: 1771.137+/-204.773 χ^2/NDF:33.0/47

All: 1824.374+/-147.316 χ^2/NDF: 63.7/89

overload_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1106.684+/-0.263 χ^2/NDF: 85596.6/18

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

Right Out: 1119.228+/-0.241 χ^2/NDF: 361225.8/23

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

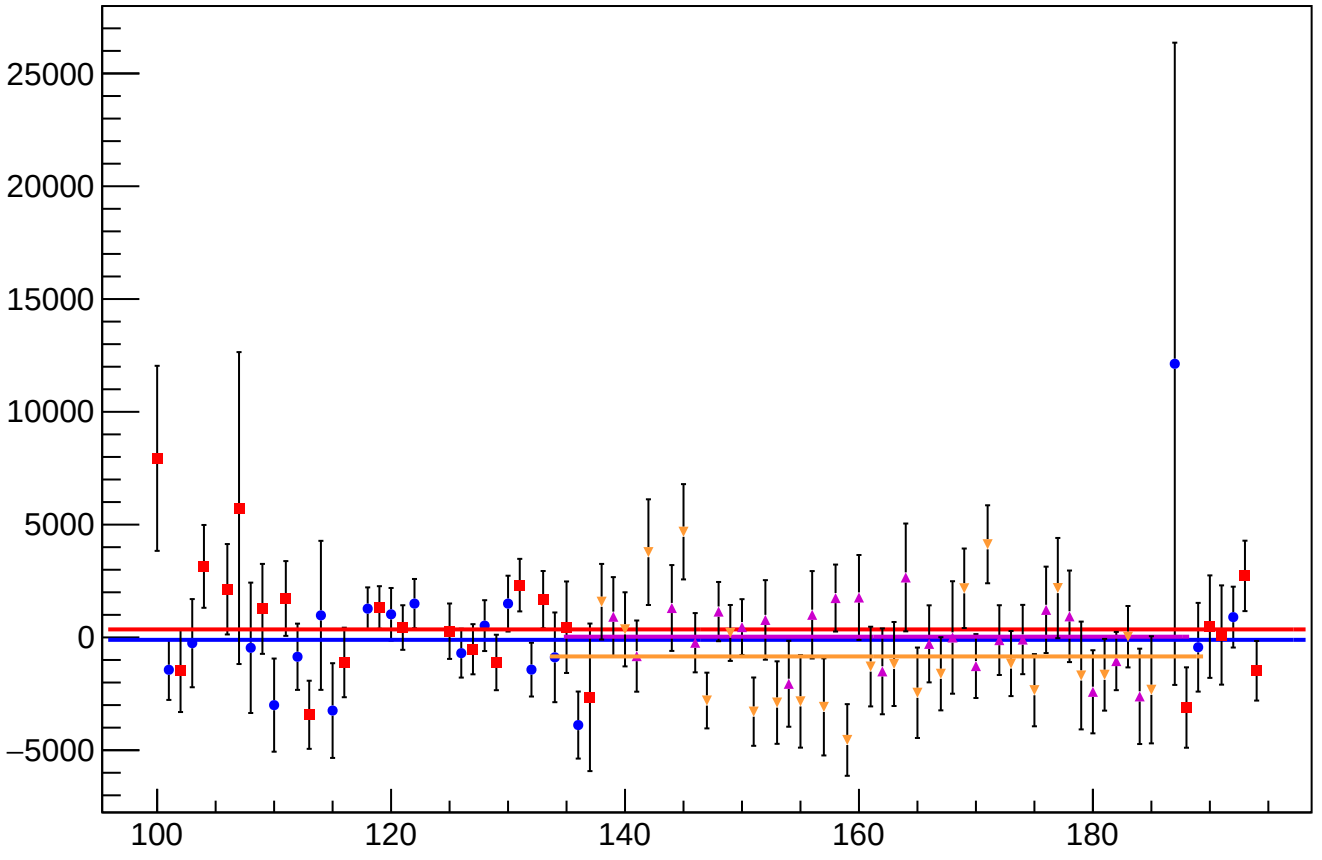
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

Right: 1113.512+/-0.178 χ^2/NDF: 448059.1/42

In: 1105.804+/-0.150 χ^2/NDF:89274.2/41

Out: 1109.672+/-0.145 χ^2/NDF:366692.6/47

All: 1107.806+/-0.104 χ^2/NDF: 456311.1/89



Right In: -107.587+/-330.280 χ^2/NDF: 22.3/18

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

Right Out: 355.150+/-315.082 χ^2/NDF: 32.1/22

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

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

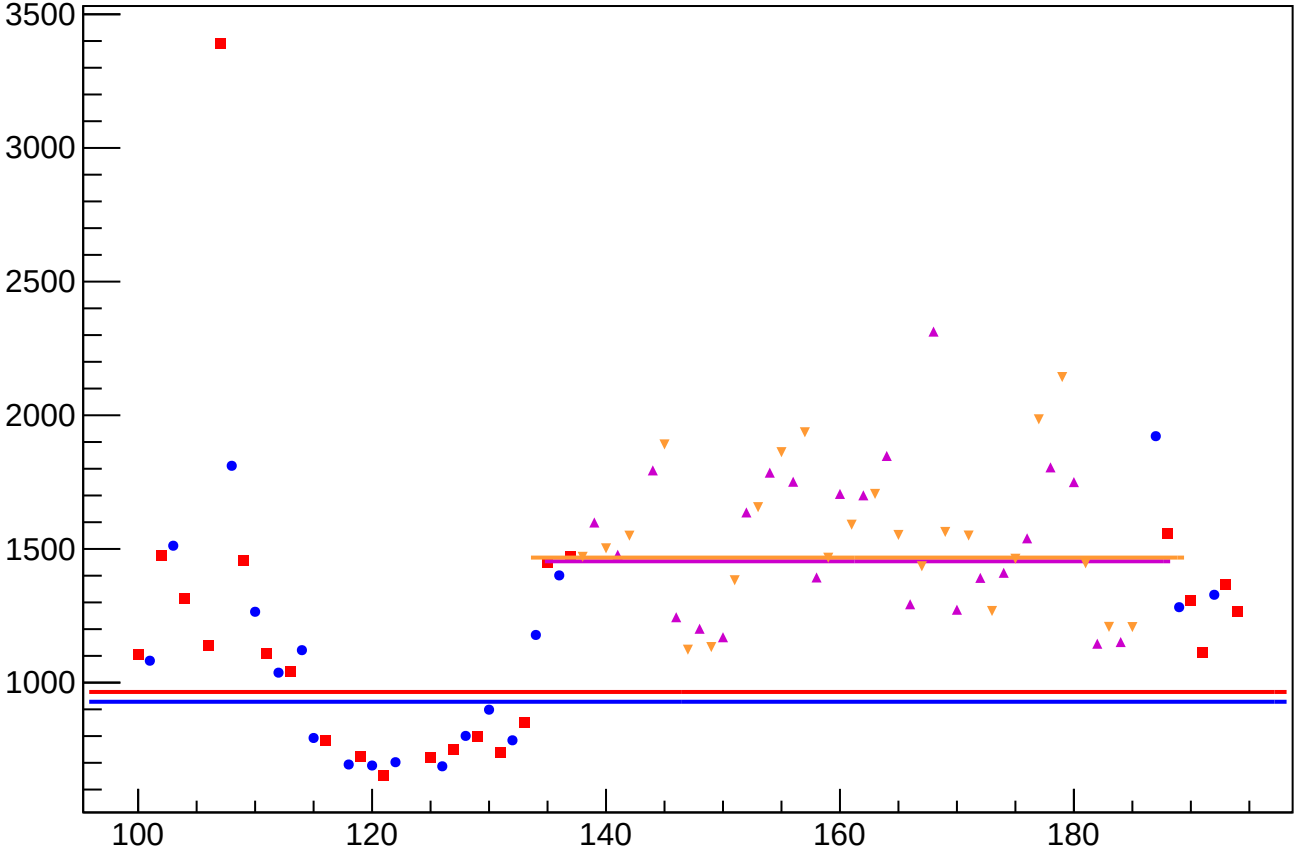
Right: 134.672+/-227.980 χ^2/NDF: 55.4/41

In: -41.360+/-238.958 χ^2/NDF:35.4/41

Out: -185.505+/-233.430 χ^2/NDF:82.7/46

All: -115.119+/-166.980 χ^2/NDF: 118.3/88

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 928.362+/-0.234 χ^2/NDF: 1403230.5/18

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

Right Out: 965.050+/-0.223 χ^2/NDF: 1945076.6/22

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

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

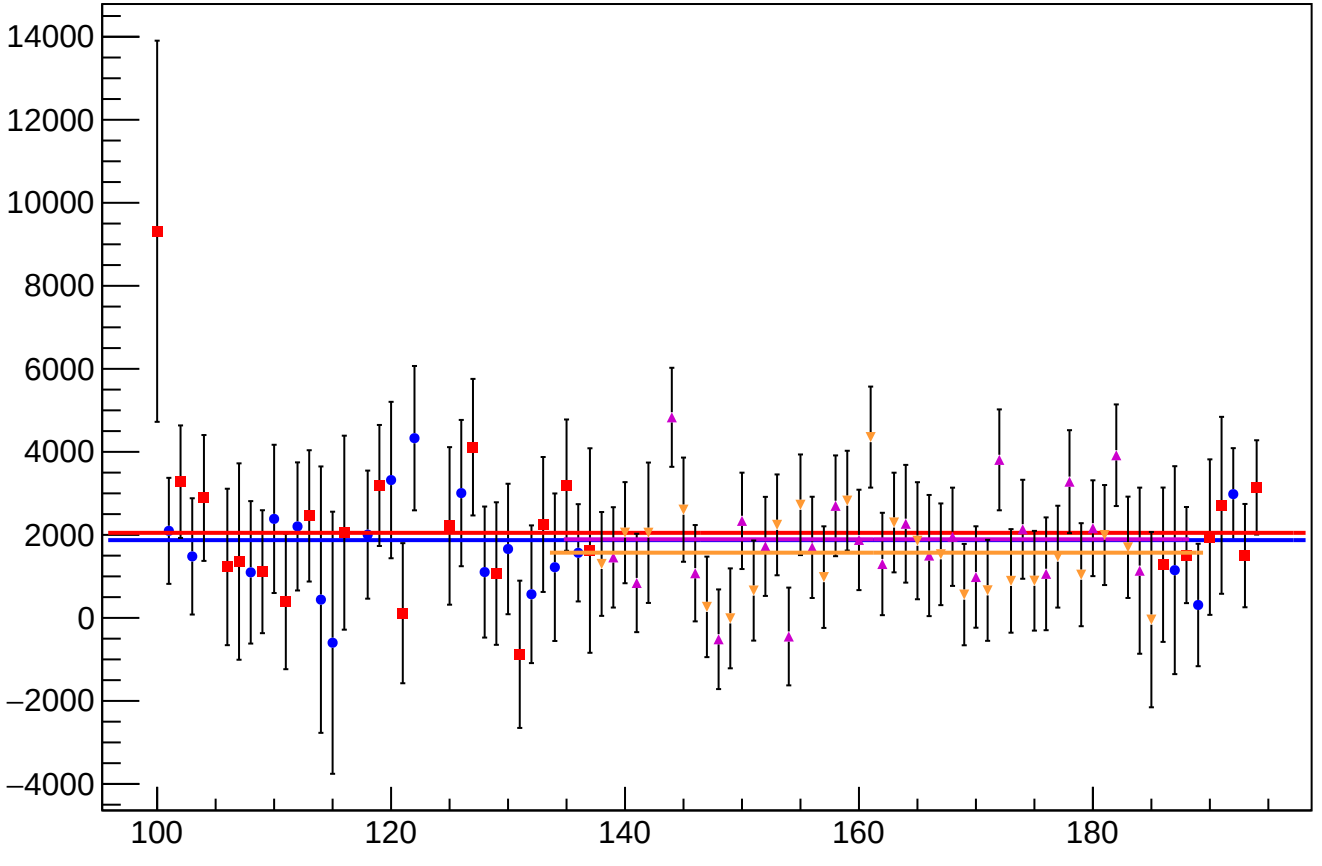
Right: 947.570+/-0.161 χ^2/NDF: 3361226.9/41

In: 1178.772+/-0.169 χ^2/NDF:4943729.2/41

Out: 1191.812+/-0.165 χ^2/NDF:5283187.3/46

All: 1185.445+/-0.118 χ^2/NDF: 10229964.1/8

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1873.414+/-367.672 χ^2/NDF: 7.5/18

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

Right Out: 2049.109+/-334.603 χ^2/NDF: 14.1/23

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

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

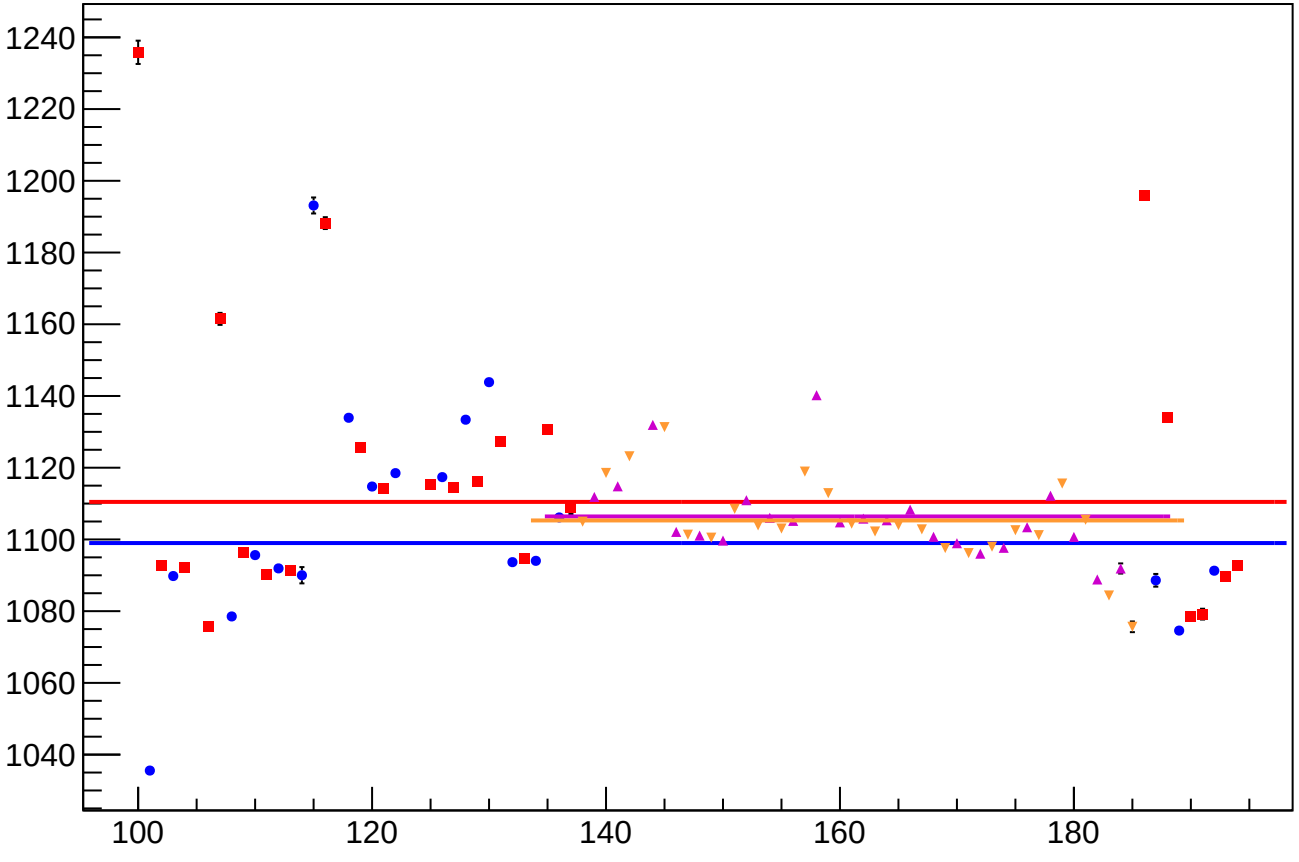
Right: 1969.517+/-247.467 χ^2/NDF: 21.8/42

In: 1886.759+/-211.378 χ^2/NDF:31.7/41

Out: 1748.032+/-203.586 χ^2/NDF:30.8/47

All: 1814.791+/-146.634 χ^2/NDF: 62.7/89

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1098.992+/-0.260 χ^2/NDF: 12151.1/18

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

Right Out: 1110.465+/-0.237 χ^2/NDF: 14815.8/23

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

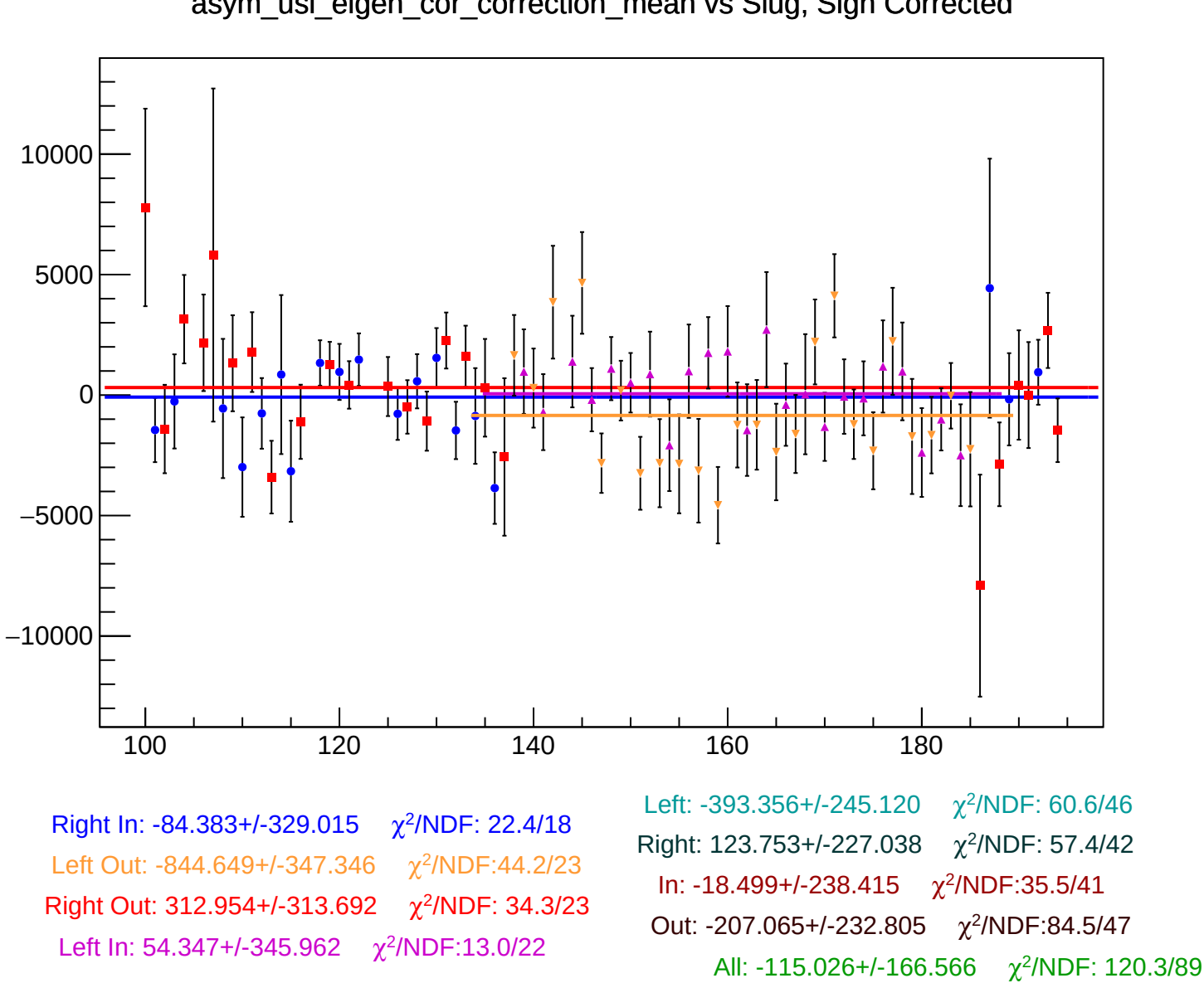
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

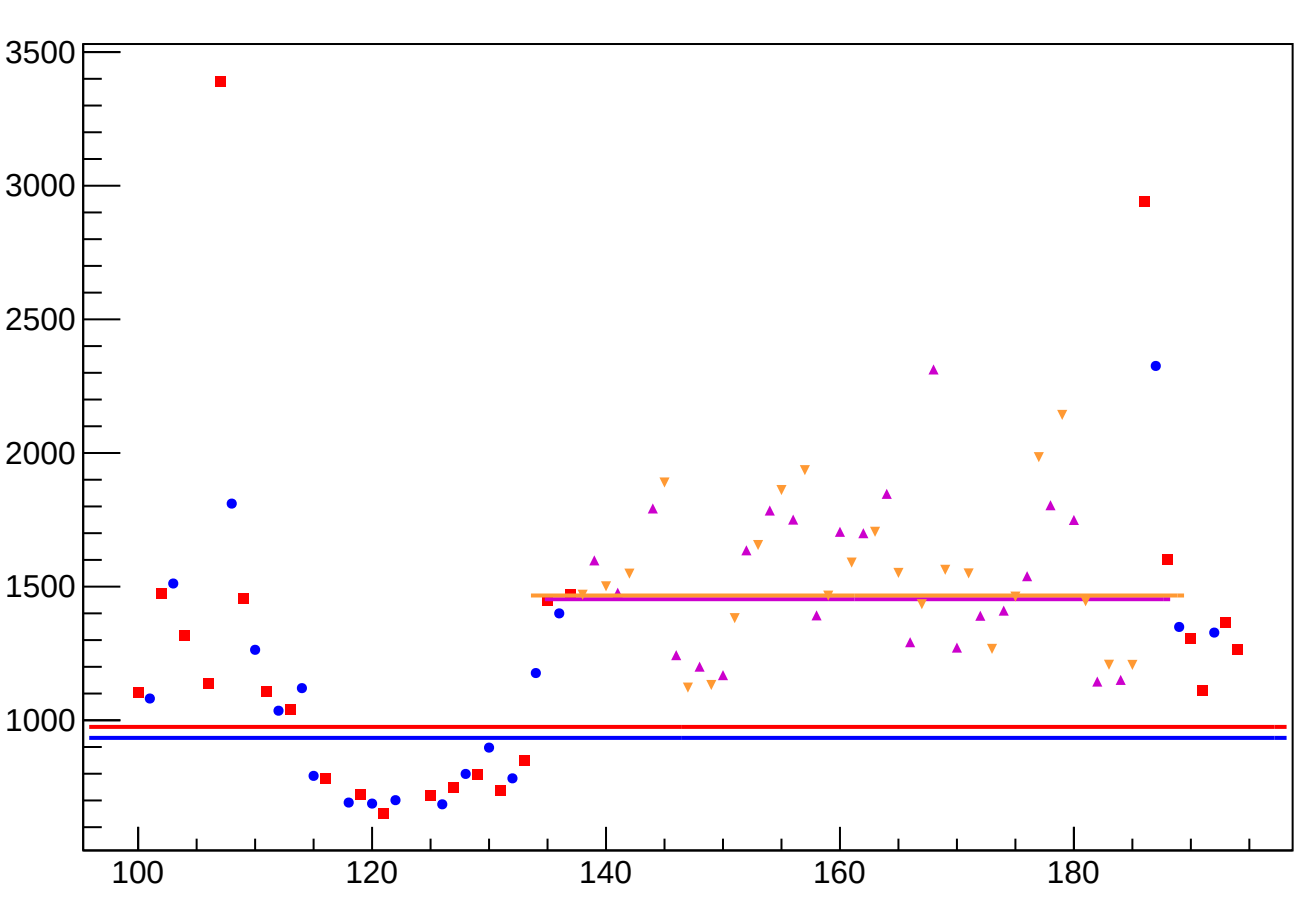
Right: 1105.267+/-0.175 χ^2/NDF: 28032.1/42

In: 1103.955+/-0.149 χ^2/NDF:16471.9/41

Out: 1107.208+/-0.144 χ^2/NDF:18278.3/47

All: 1105.643+/-0.104 χ^2/NDF: 34996.0/89


asym_usl_eigen_cor_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
Right In: -84.383+/-329.015 χ²/NDF: 22.4/18
Left Out: -844.649+/-347.346 χ²/NDF:44.2/23
Right Out: 312.954+/-313.692 χ²/NDF: 34.3/23
Left In: 54.347+/-345.962 χ²/NDF:13.0/22
Left: -393.356+/-245.120 χ²/NDF: 60.6/46
Right: 123.753+/-227.038 χ²/NDF: 57.4/42
In: -18.499+/-238.415 χ²/NDF:35.5/41
Out: -207.065+/-232.805 χ²/NDF:84.5/47
All: -115.026+/-166.566 χ²/NDF: 120.3/89



Right In: 934.087+/-0.233 χ^2/NDF: 1565863.7/18

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

Right Out: 975.167+/-0.222 χ^2/NDF: 2364837.5/23

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

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

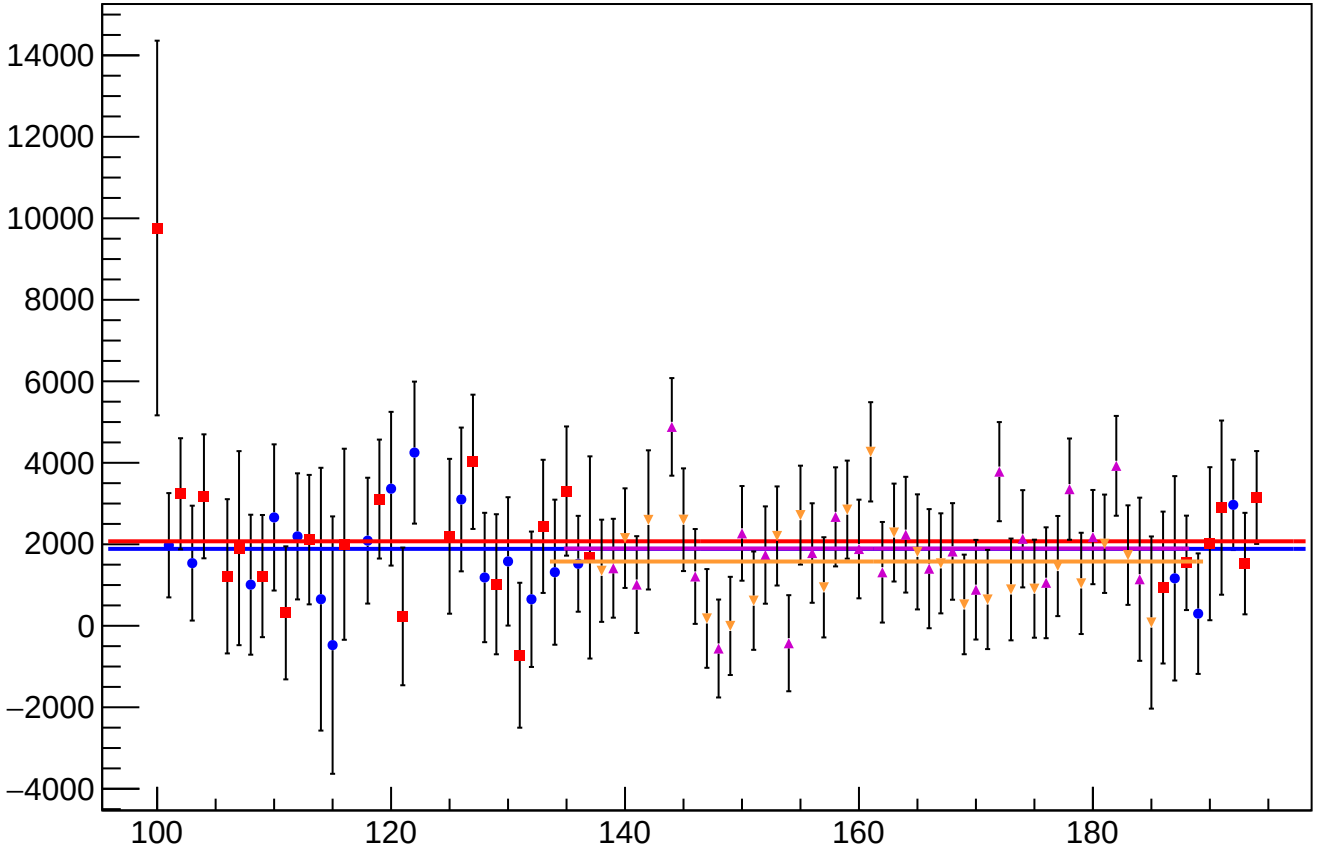
Right: 955.606+/-0.161 χ^2/NDF: 3947033.1/42

In: 1180.515+/-0.169 χ^2/NDF:5057911.1/41

Out: 1196.039+/-0.165 χ^2/NDF:5615363.3/47

All: 1188.462+/-0.118 χ^2/NDF: 10677615.2/8

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1887.668+/-368.649 χ^2/NDF: 7.4/18

Left Out: 1577.402+/-257.003 χ^2/NDF:15.5/23

Right Out: 2073.389+/-335.637 χ^2/NDF: 14.2/23

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

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

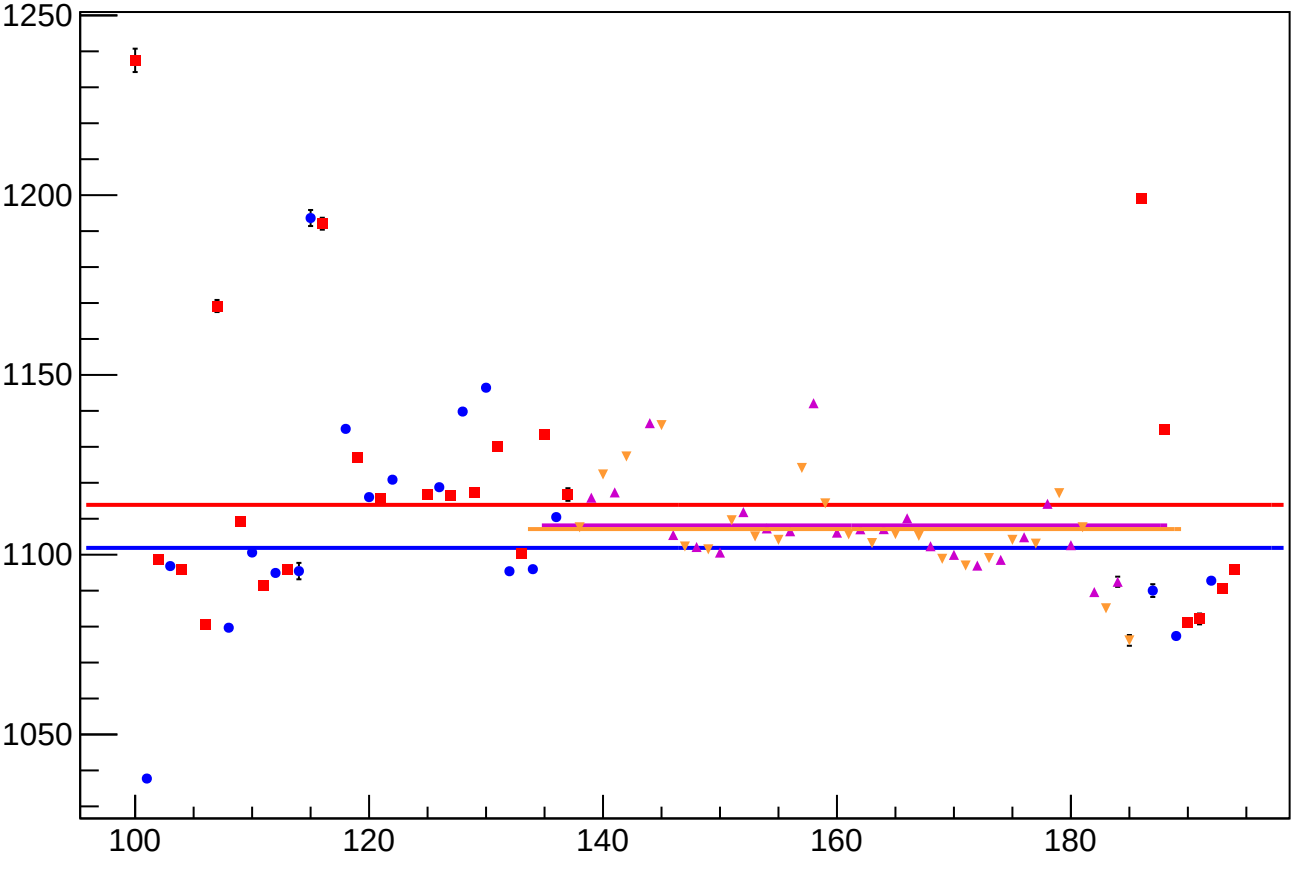
Right: 1989.214+/-248.183 χ^2/NDF: 21.7/42

In: 1892.947+/-211.788 χ^2/NDF:31.5/41

Out: 1760.724+/-204.053 χ^2/NDF:31.1/47

All: 1824.377+/-146.946 χ^2/NDF: 62.8/89

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1101.894+/-0.261 χ^2/NDF: 12202.5/18

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1113.860+/-0.237 χ^2/NDF: 14410.7/23

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

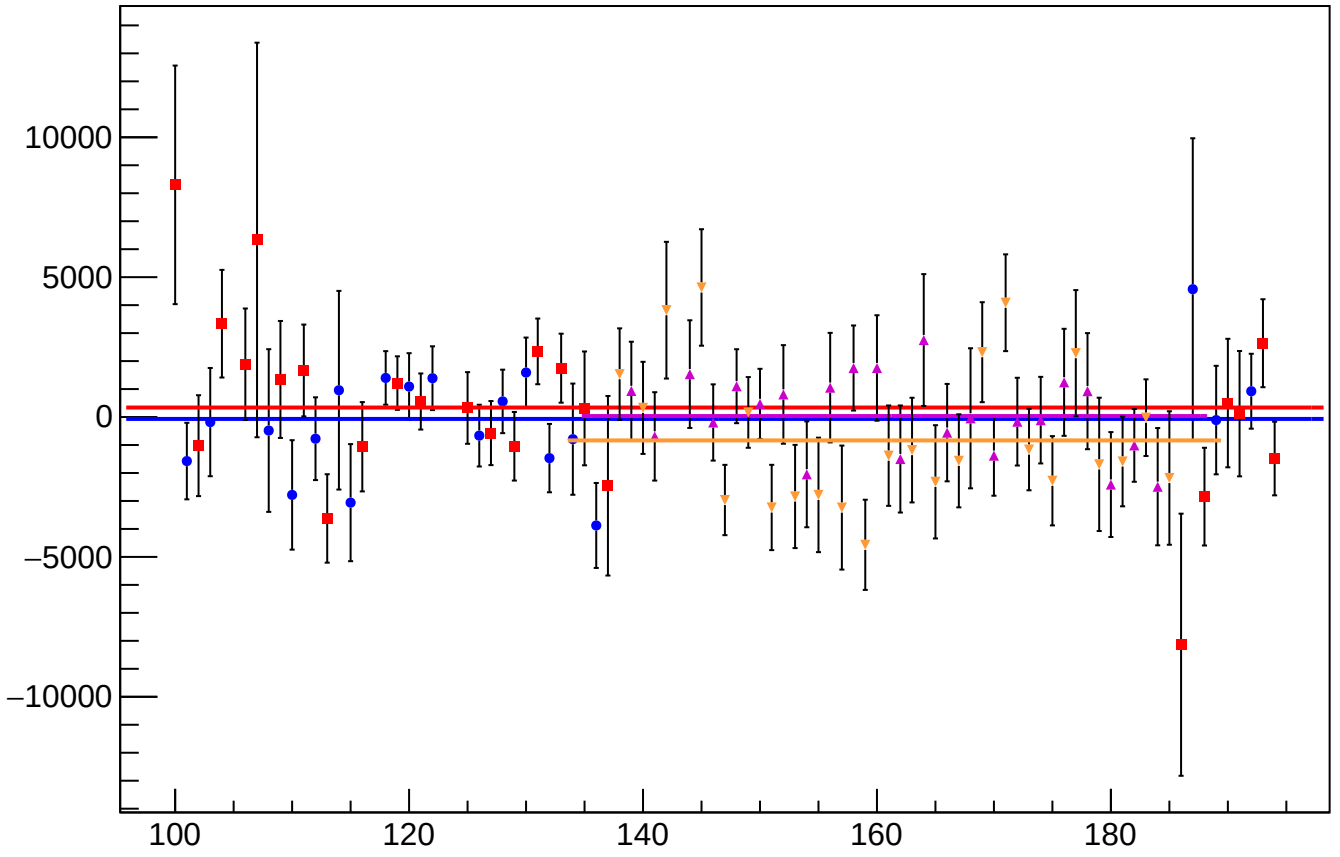
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1108.437+/-0.175 χ^2/NDF: 27765.3/42

In: 1106.082+/-0.150 χ^2/NDF:16778.3/41

Out: 1109.616+/-0.144 χ^2/NDF:18701.9/47

All: 1107.915+/-0.104 χ^2/NDF: 35768.8/89



Right In: -67.521+/-334.075 χ^2/NDF: 21.8/18

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

Right Out: 339.907+/-318.013 χ^2/NDF: 34.2/23

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

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

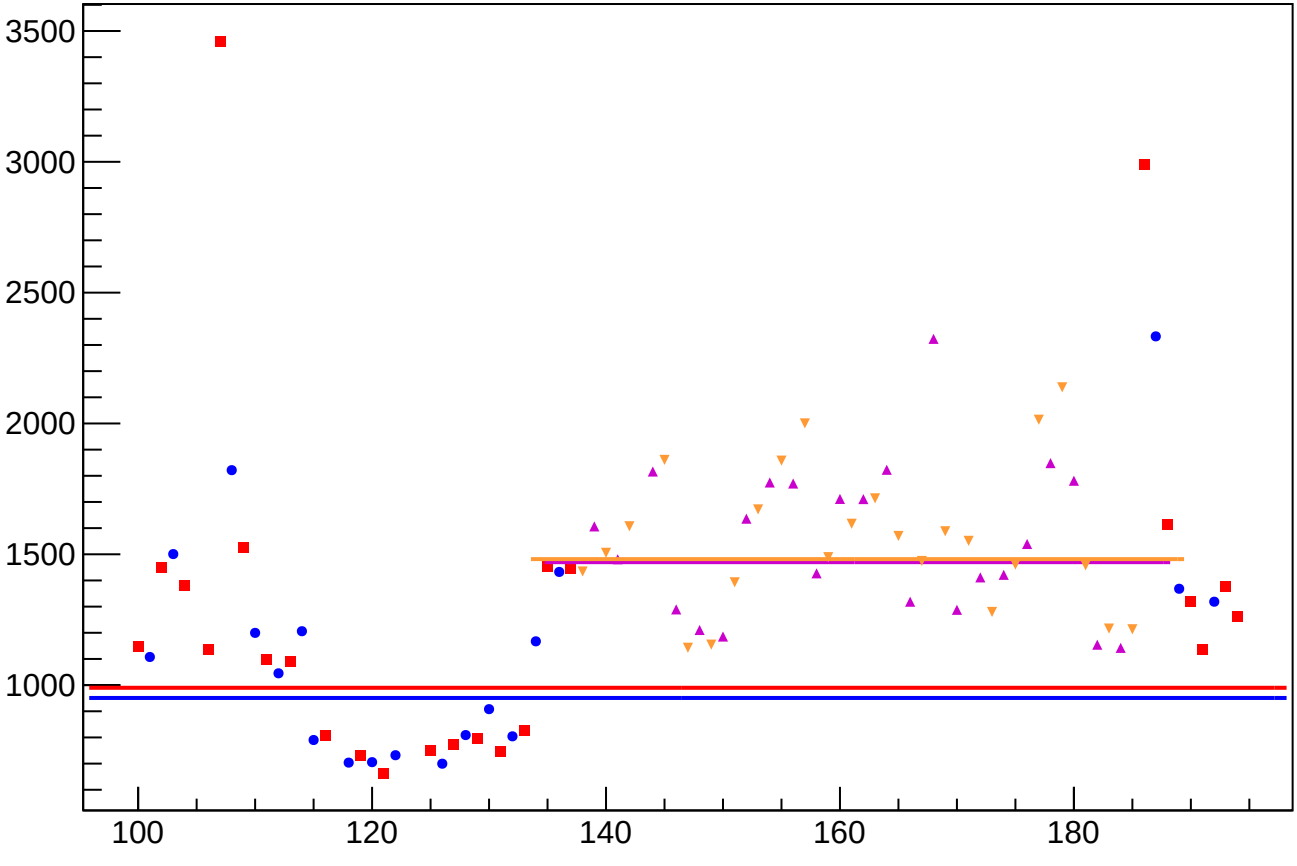
Right: 146.222+/-230.338 χ^2/NDF: 56.8/42

In: -18.346+/-241.541 χ^2/NDF:35.0/41

Out: -190.524+/-235.554 χ^2/NDF:83.9/47

All: -106.595+/-168.639 χ^2/NDF: 119.2/89

asym_usl_dit_correction_rms vs Slug, Sign Corrected



Right In: 950.910+/-0.236 χ^2/NDF: 1486826.8/18

Left Out: 1481.543+/-0.248 χ^2/NDF:1017463.8/23

Right Out: 989.796+/-0.225 χ^2/NDF: 2335938.9/23

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

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

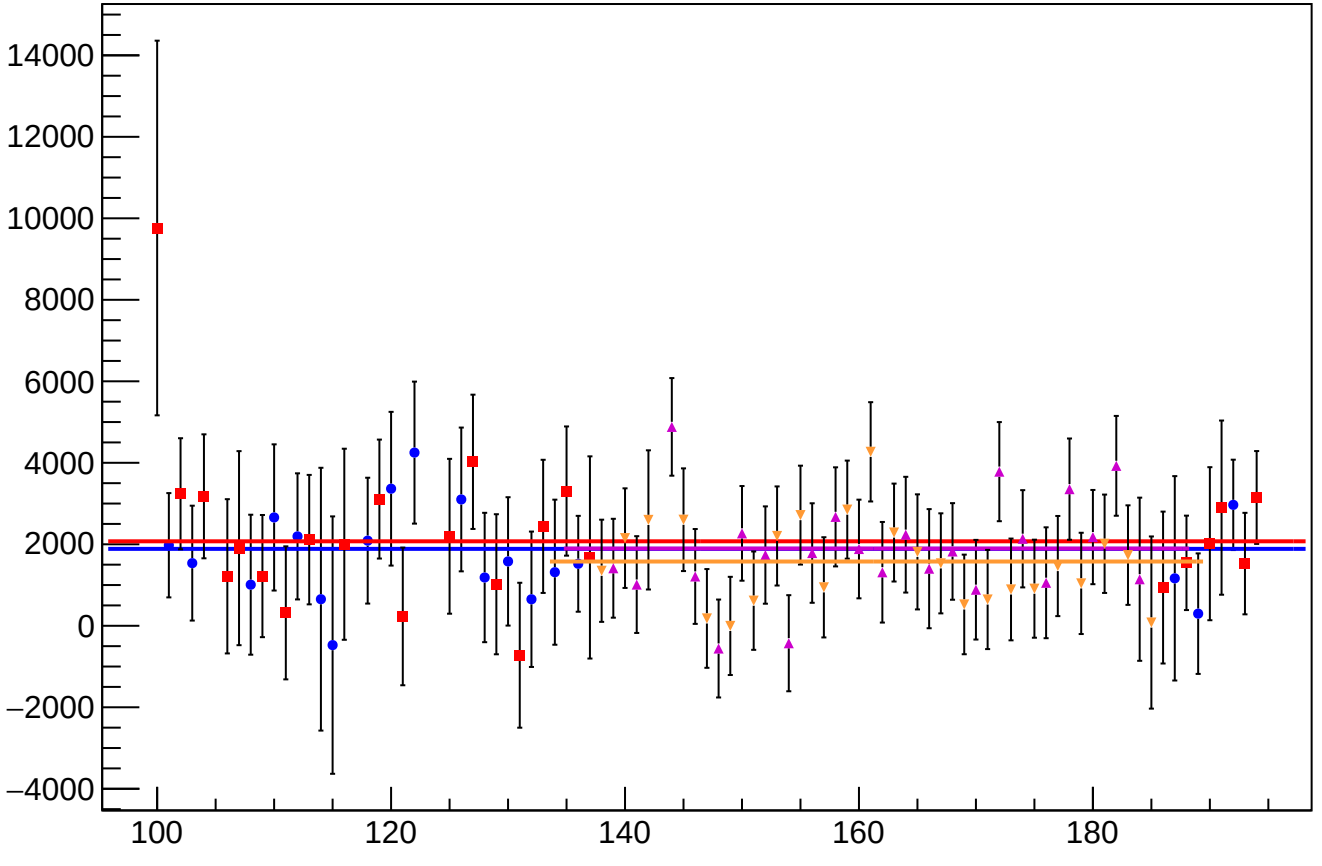
Right: 971.311+/-0.163 χ^2/NDF: 3836981.7/42

In: 1198.603+/-0.171 χ^2/NDF:4885547.9/41

Out: 1211.749+/-0.167 χ^2/NDF:5511856.3/47

All: 1205.341+/-0.119 χ^2/NDF: 10400441.1/8

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1887.667+/-368.649 χ^2/NDF: 7.4/18

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

Right Out: 2073.386+/-335.637 χ^2/NDF: 14.2/23

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

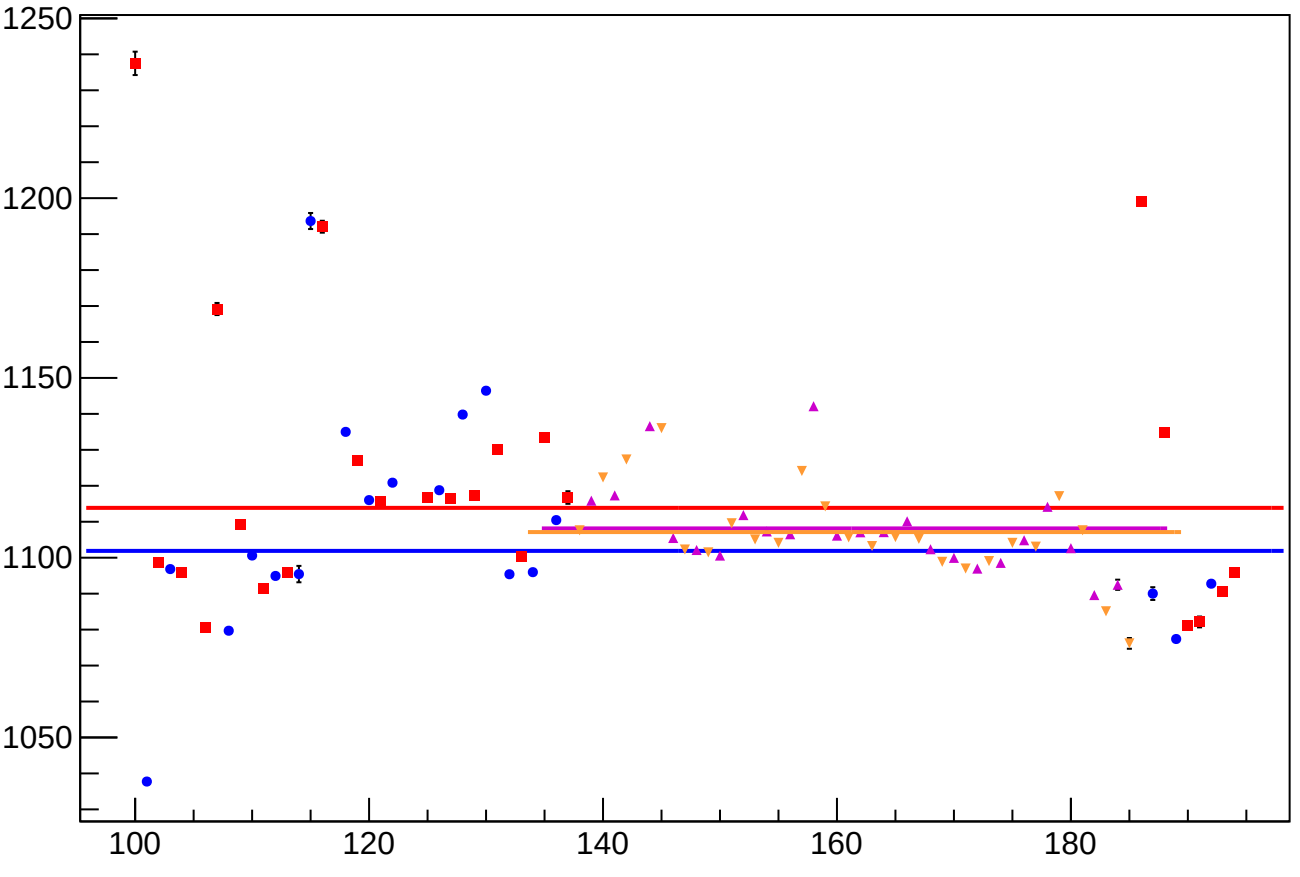
Left: 1735.396+/-182.343 χ^2/NDF: 40.4/46

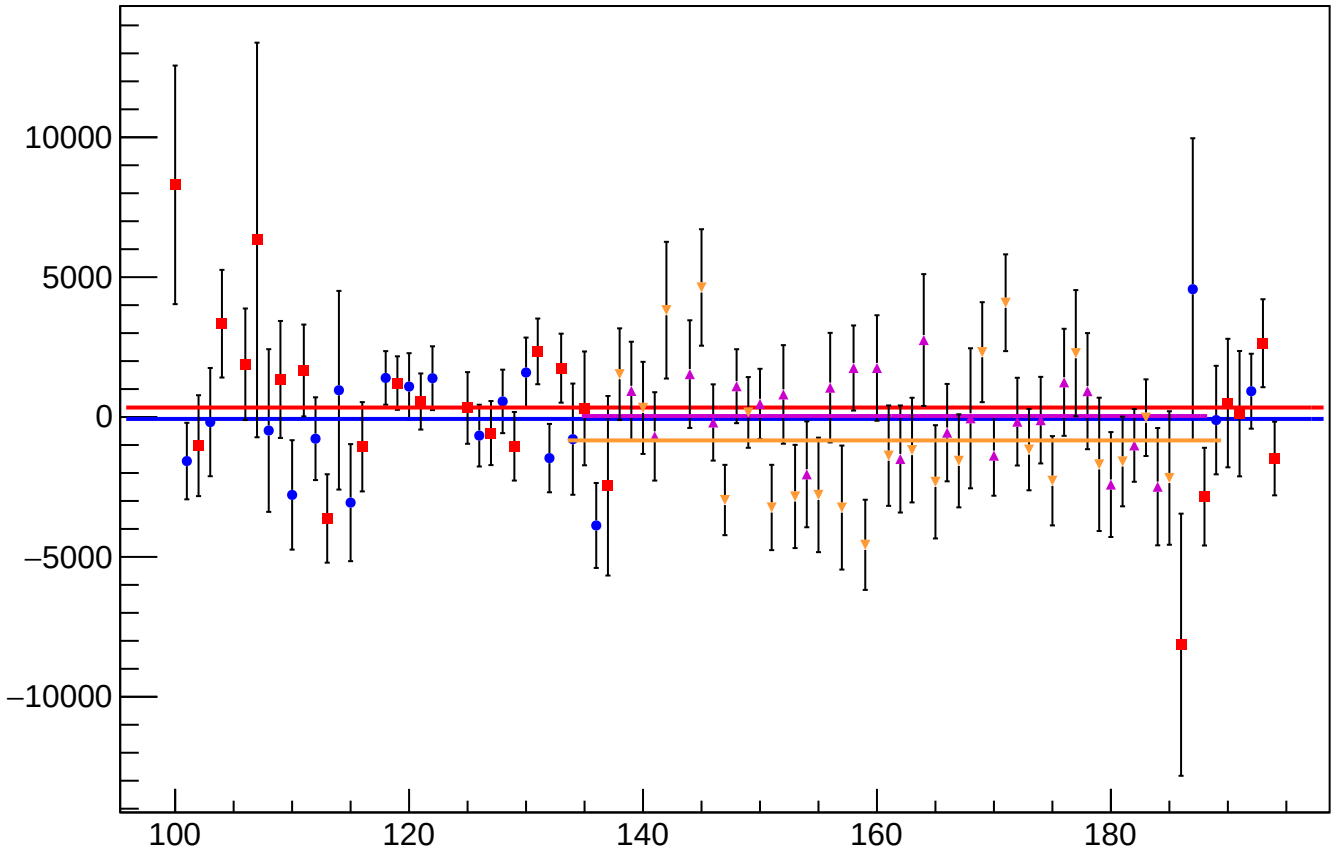
Right: 1989.213+/-248.183 χ^2/NDF: 21.7/42

In: 1892.948+/-211.788 χ^2/NDF:31.5/41

Out: 1760.721+/-204.053 χ^2/NDF:31.1/47

All: 1824.376+/-146.946 χ^2/NDF: 62.8/89


eigen_dit_asym_usl_rms vs Slug, Sign Corrected
1250
1200
1150
1100
1050
100
120
140
160
180
Right In: 1101.894+/-0.261 χ²/NDF: 12202.5/18
Left Out: 1107.127+/-0.182 χ²/NDF:3783.7/23
Right Out: 1113.860+/-0.237 χ²/NDF: 14410.6/23
Left In: 1108.145+/-0.183 χ²/NDF:4190.5/22
Left: 1107.633+/-0.129 χ²/NDF: 7989.9/46
Right: 1108.437+/-0.175 χ²/NDF: 27765.3/42
In: 1106.082+/-0.150 χ²/NDF:16778.3/41
Out: 1109.615+/-0.144 χ²/NDF:18701.8/47
All: 1107.915+/-0.104 χ²/NDF: 35768.8/89



Right In: -67.520+/-334.074 χ^2/NDF: 21.8/18

Left Out: -835.291+/-350.615 χ^2/NDF:43.6/23

Right Out: 339.907+/-318.013 χ^2/NDF: 34.2/23

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

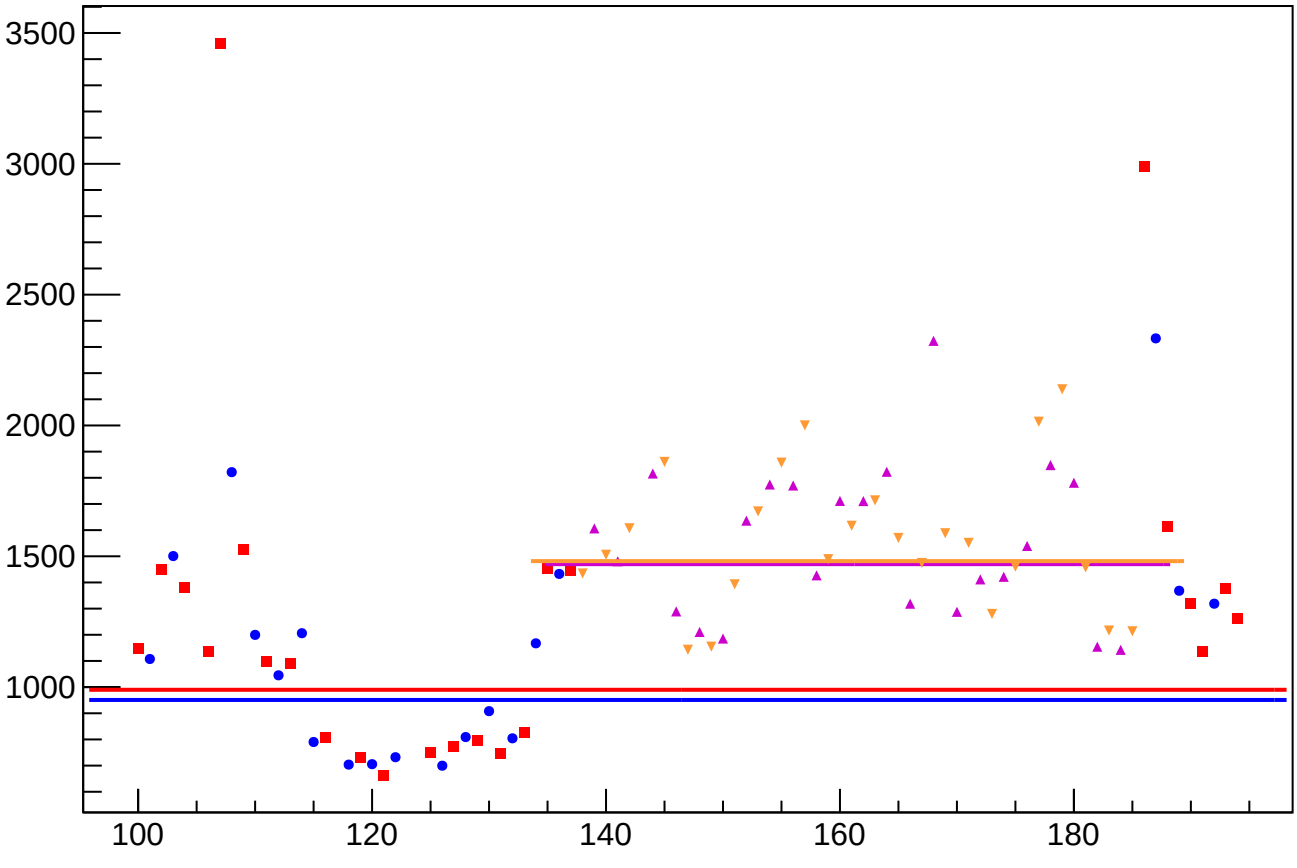
Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

Right: 146.223+/-230.338 χ^2/NDF: 56.8/42

In: -18.346+/-241.540 χ^2/NDF:35.0/41

Out: -190.524+/-235.554 χ^2/NDF:83.9/47

All: -106.595+/-168.638 χ^2/NDF: 119.2/89



Right In: 950.908+/-0.236 χ^2/NDF: 1486834.1/18

Left Out: 1481.545+/-0.248 χ^2/NDF:1017460.8/23

Right Out: 989.794+/-0.225 χ^2/NDF: 2335948.3/23

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

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

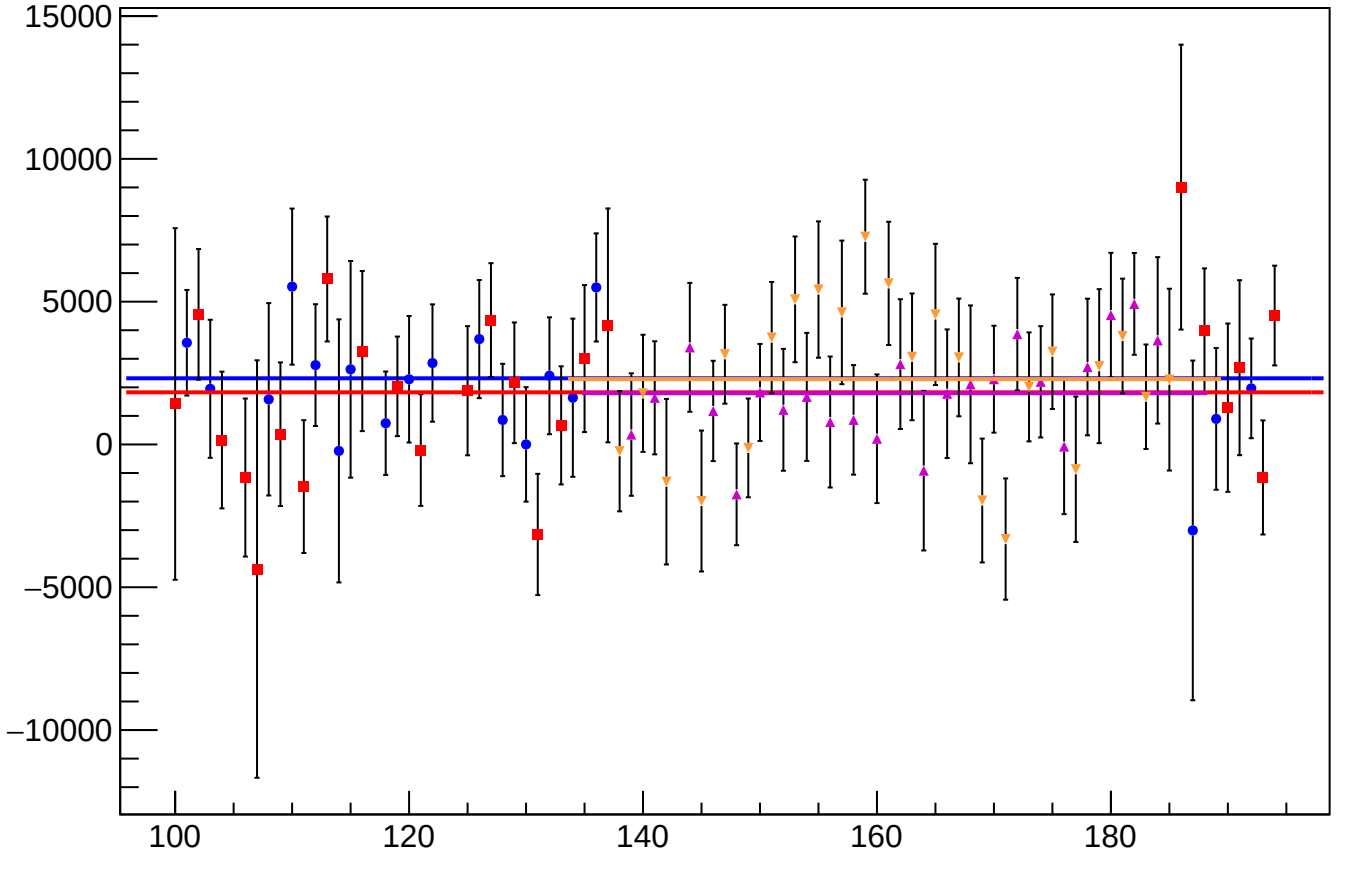
Right: 971.309+/-0.163 χ^2/NDF: 3836998.4/42

In: 1198.602+/-0.171 χ^2/NDF:4885583.8/41

Out: 1211.748+/-0.167 χ^2/NDF:5511895.0/47

All: 1205.340+/-0.119 χ^2/NDF: 10400515.7/8

asym_usl_mean vs Slug, Sign Corrected



Right In: 2316.667+/-521.581 χ^2/NDF: 9.5/18

Left Out: 2289.701+/-439.328 χ^2/NDF:36.0/23

Right Out: 1825.624+/-487.997 χ^2/NDF: 26.5/23

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

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

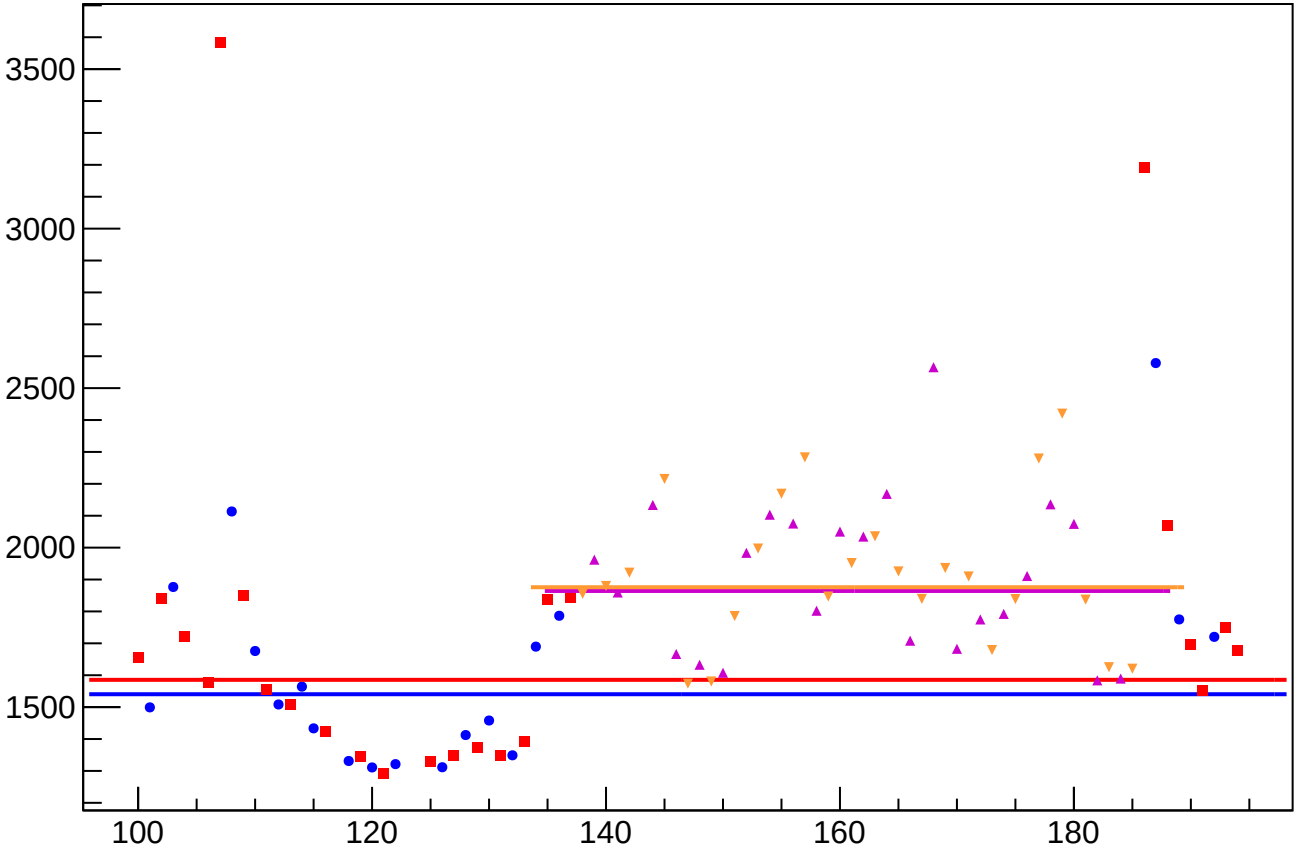
Right: 2054.829+/-356.348 χ^2/NDF: 36.5/42

In: 2012.162+/-335.932 χ^2/NDF:24.3/41

Out: 2081.952+/-326.507 χ^2/NDF:63.1/47

All: 2048.050+/-234.136 χ^2/NDF: 87.4/89

asym_usl_rms vs Slug, Sign Corrected



Right In: 1540.421+/-0.369 χ^2/NDF: 368935.6/18

Left Out: 1875.818+/-0.311 χ^2/NDF:472556.0/23

Right Out: 1585.563+/-0.345 χ^2/NDF: 768079.8/23

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

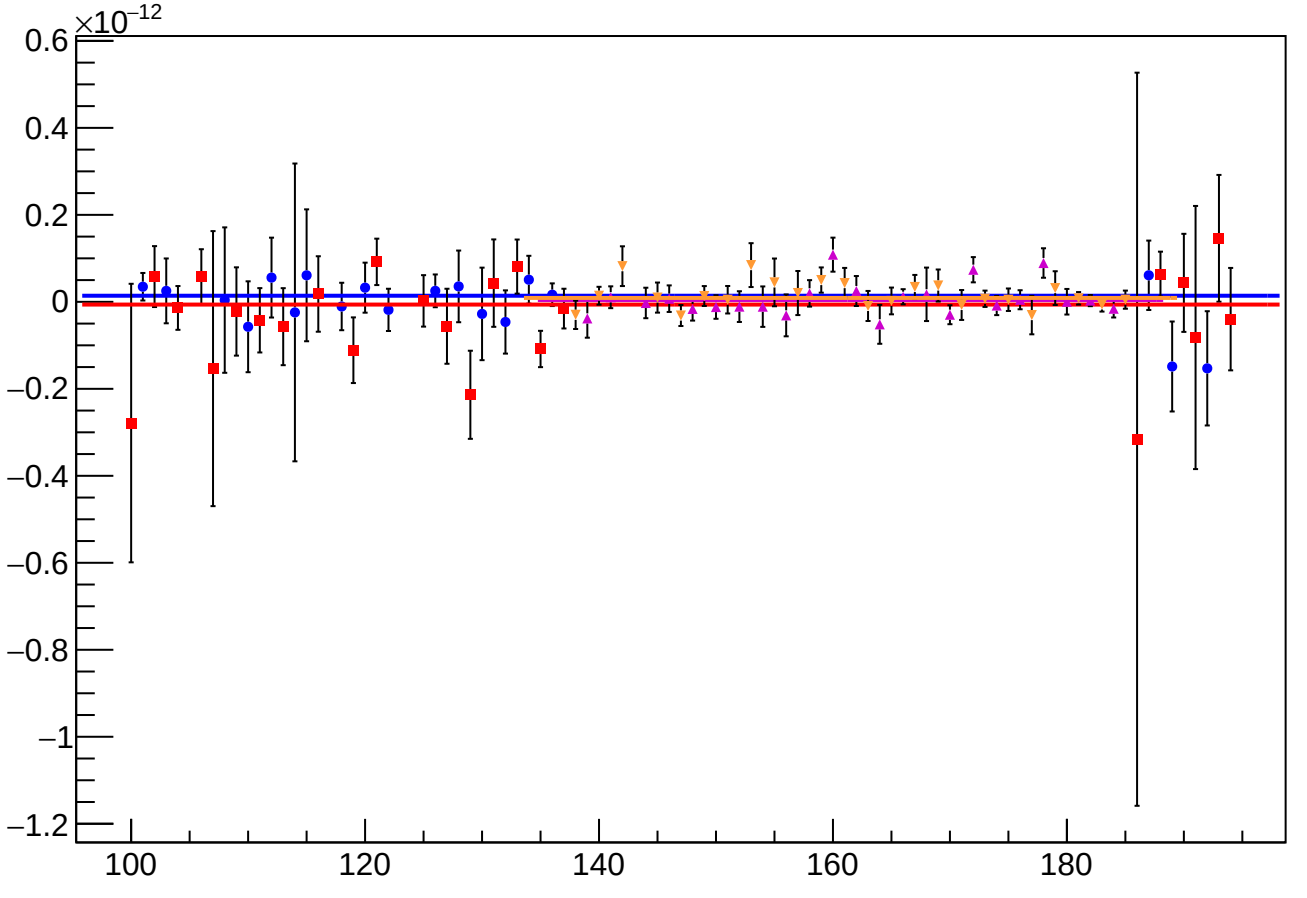
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1564.492+/-0.252 χ^2/NDF: 1145003.9/42

In: 1729.868+/-0.238 χ^2/NDF:1330428.3/41

Out: 1745.883+/-0.231 χ^2/NDF:1631441.7/47

All: 1738.103+/-0.166 χ^2/NDF: 2964207.2/89



Right In: 0.000+/-0.000 χ^2/NDF: 7.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/23

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

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

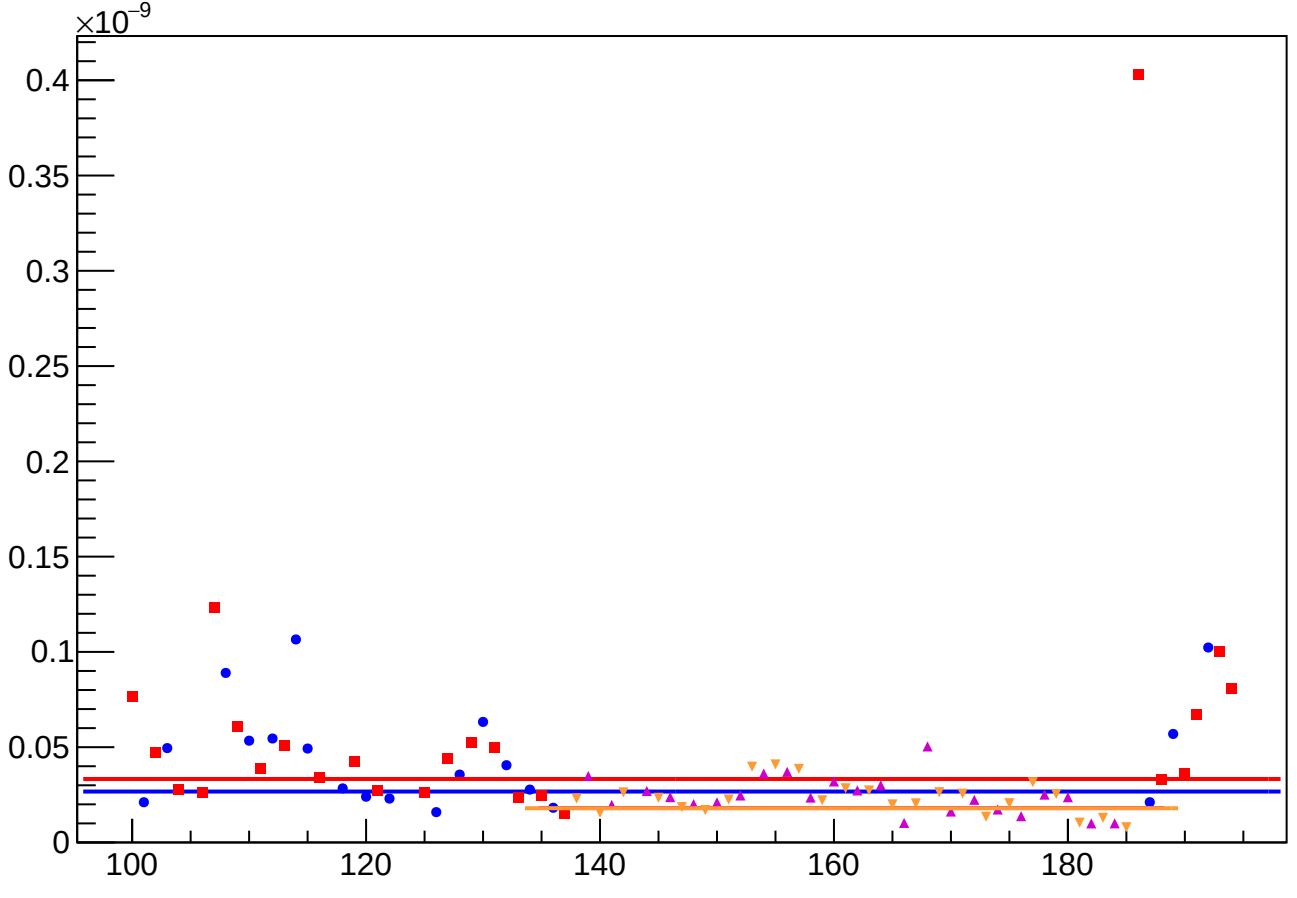
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 33.9/42

In: 0.000+/-0.000 χ^2/NDF:36.5/41

Out: 0.000+/-0.000 χ^2/NDF:42.5/47

All: 0.000+/-0.000 χ^2/NDF: 79.0/89



Right In: 0.000+/-0.000 χ^2/NDF: 2565395.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:3491055.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2416860.8/23

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

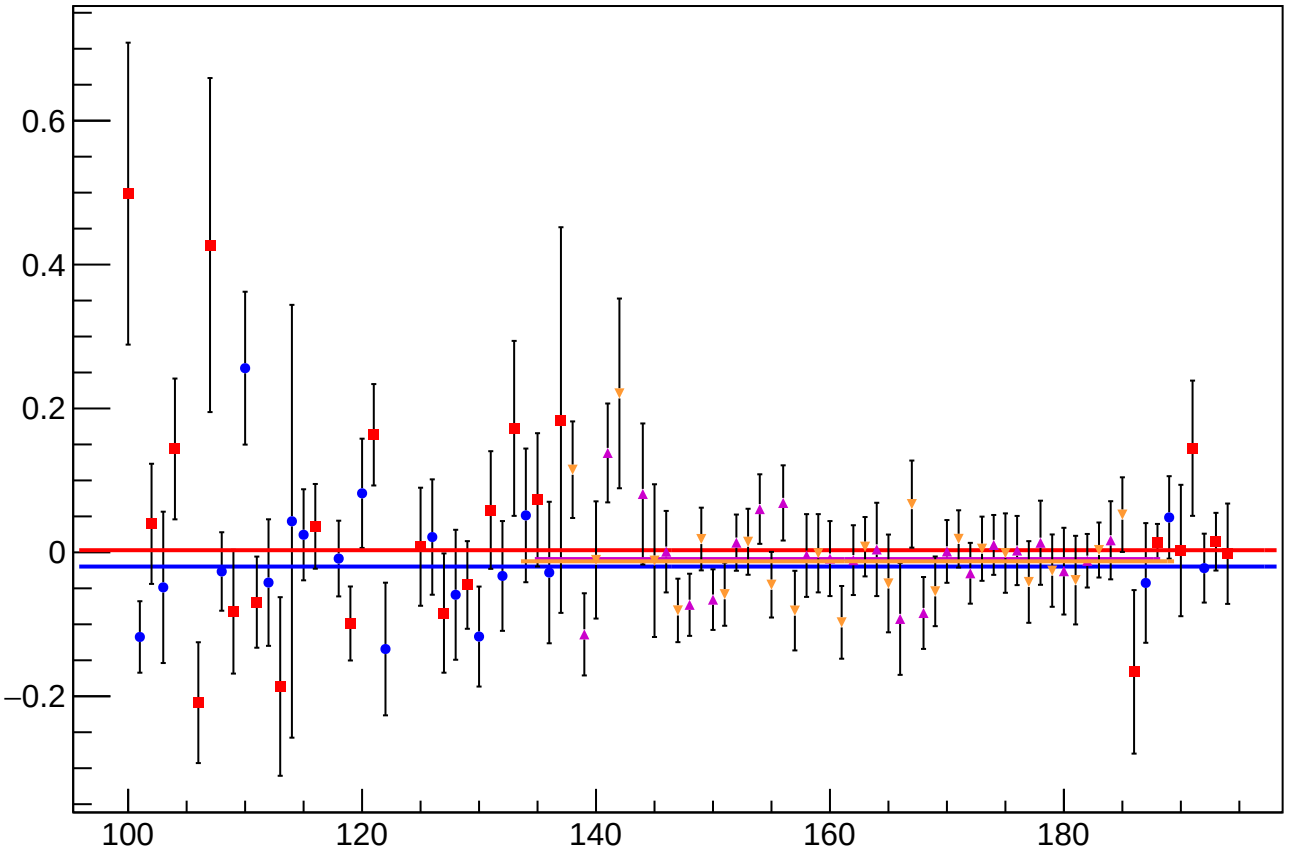
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 5200497.8/42

In: 0.000+/-0.000 χ^2/NDF:7482629.6/41

Out: 0.000+/-0.000 χ^2/NDF:7758504.3/47

All: 0.000+/-0.000 χ^2/NDF: 15247372.3/89



Right In: -0.020+/-0.016 χ^2/NDF: 19.2/18

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.003+/-0.014 χ^2/NDF: 41.5/23

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

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

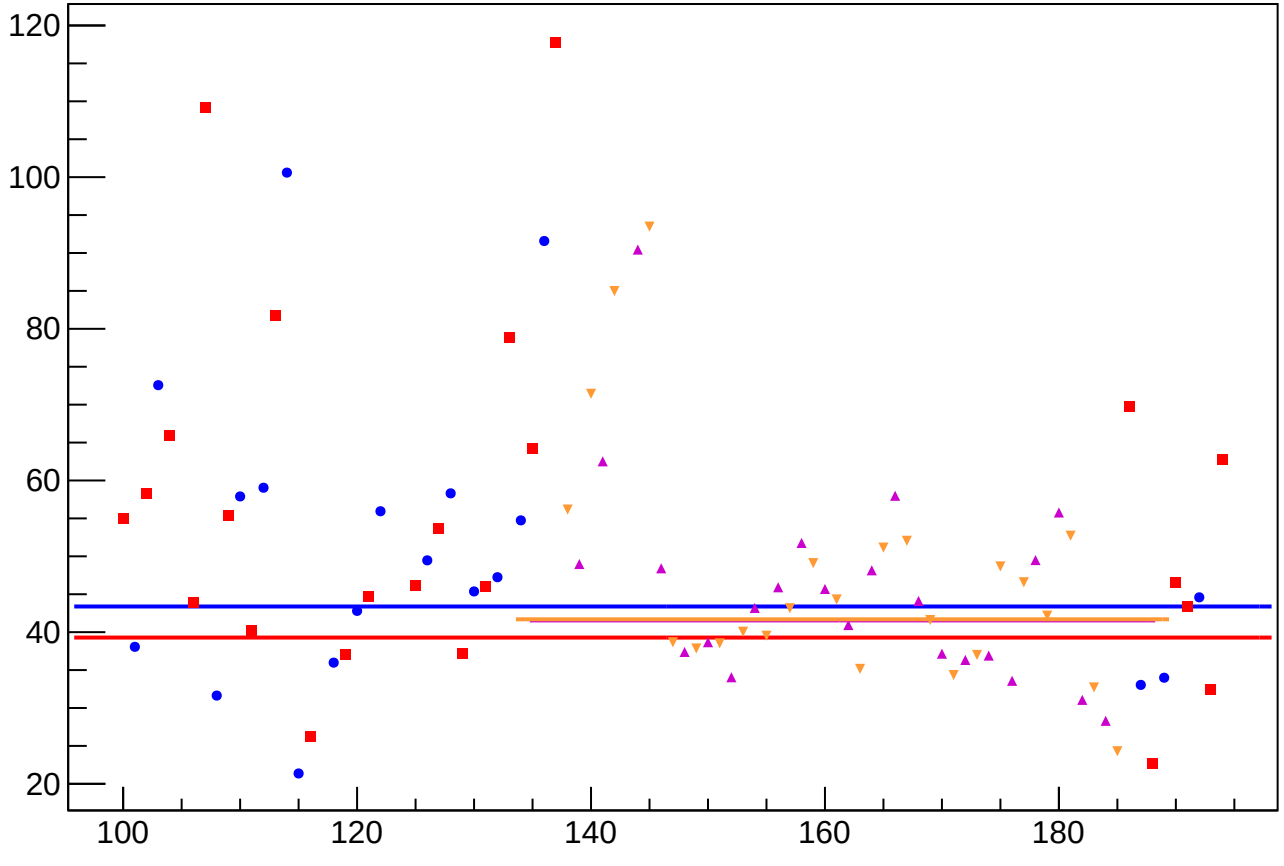
Right: -0.006+/-0.011 χ^2/NDF: 61.8/42

In: -0.012+/-0.009 χ^2/NDF:41.4/41

Out: -0.007+/-0.008 χ^2/NDF:64.2/47

All: -0.009+/-0.006 χ^2/NDF: 105.8/89

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.385+/-0.012 χ^2/NDF: 1430761.4/18

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 39.287+/-0.010 χ^2/NDF: 2725002.4/23

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

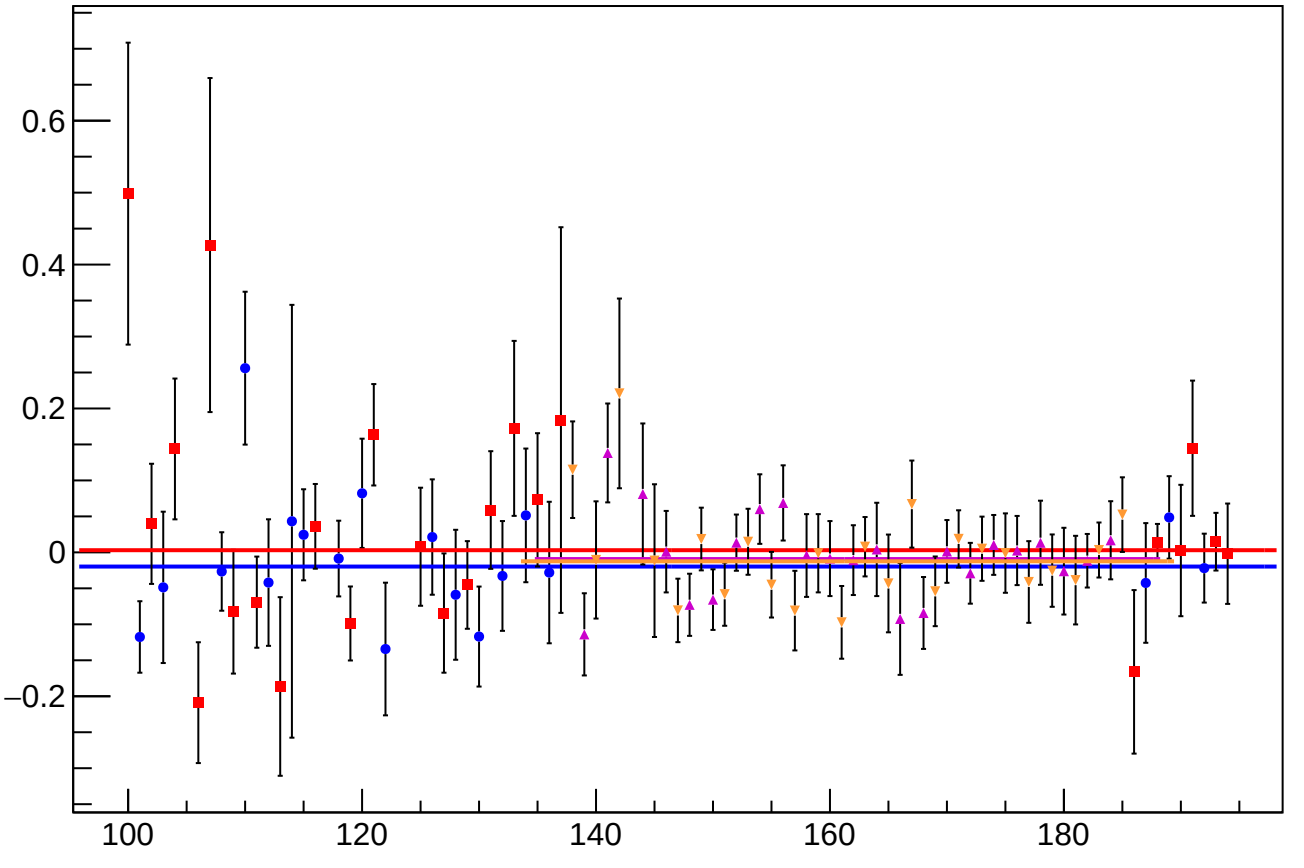
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 40.989+/-0.007 χ^2/NDF: 4228893.8/42

In: 42.083+/-0.006 χ^2/NDF:3061532.6/41

Out: 40.813+/-0.006 χ^2/NDF:4585325.1/47

All: 41.413+/-0.004 χ^2/NDF: 7668671.1/89



Right In: -0.020+/-0.016 χ^2/NDF: 19.2/18

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.003+/-0.014 χ^2/NDF: 41.5/23

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

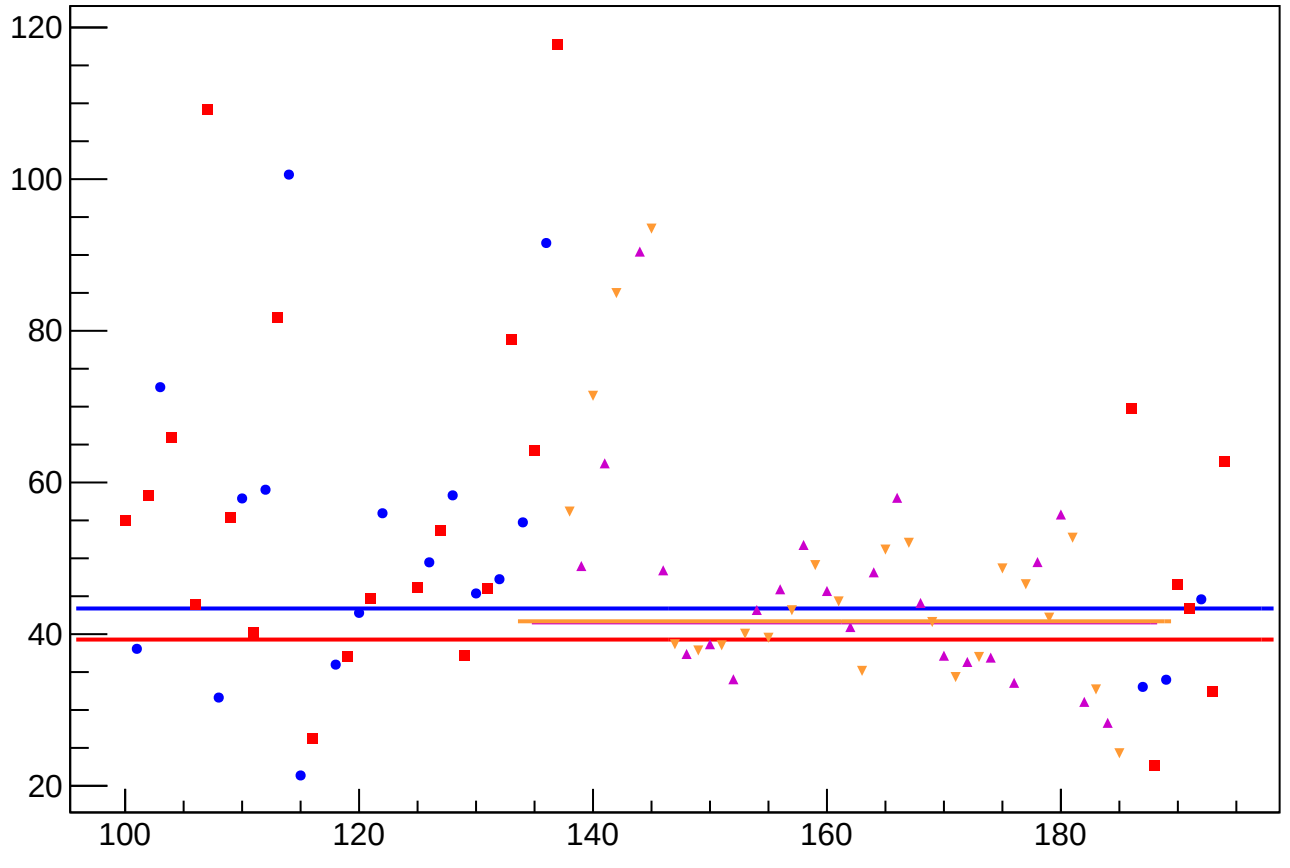
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.006+/-0.011 χ^2/NDF: 61.8/42

In: -0.012+/-0.009 χ^2/NDF:41.4/41

Out: -0.007+/-0.008 χ^2/NDF:64.2/47

All: -0.009+/-0.006 χ^2/NDF: 105.8/89



Right In: 43.385+/-0.012 χ^2/NDF: 1430761.4/18

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 39.287+/-0.010 χ^2/NDF: 2725002.4/23

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

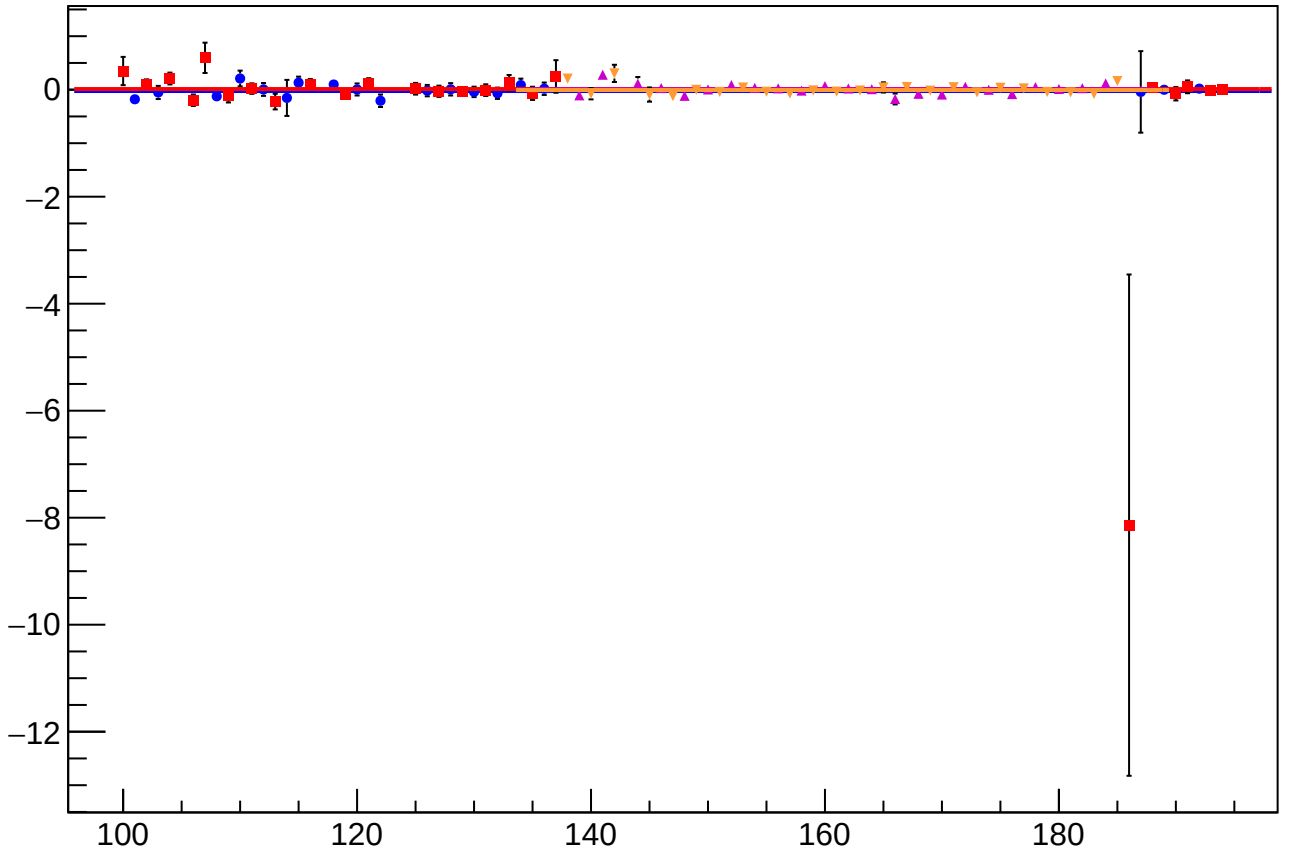
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 40.989+/-0.007 χ^2/NDF: 4228893.8/42

In: 42.083+/-0.006 χ^2/NDF:3061532.6/41

Out: 40.813+/-0.006 χ^2/NDF:4585325.1/47

All: 41.413+/-0.004 χ^2/NDF: 7668671.1/89



Right In: -0.025+/-0.023 χ^2/NDF: 18.2/18

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.012+/-0.021 χ^2/NDF: 26.8/23

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

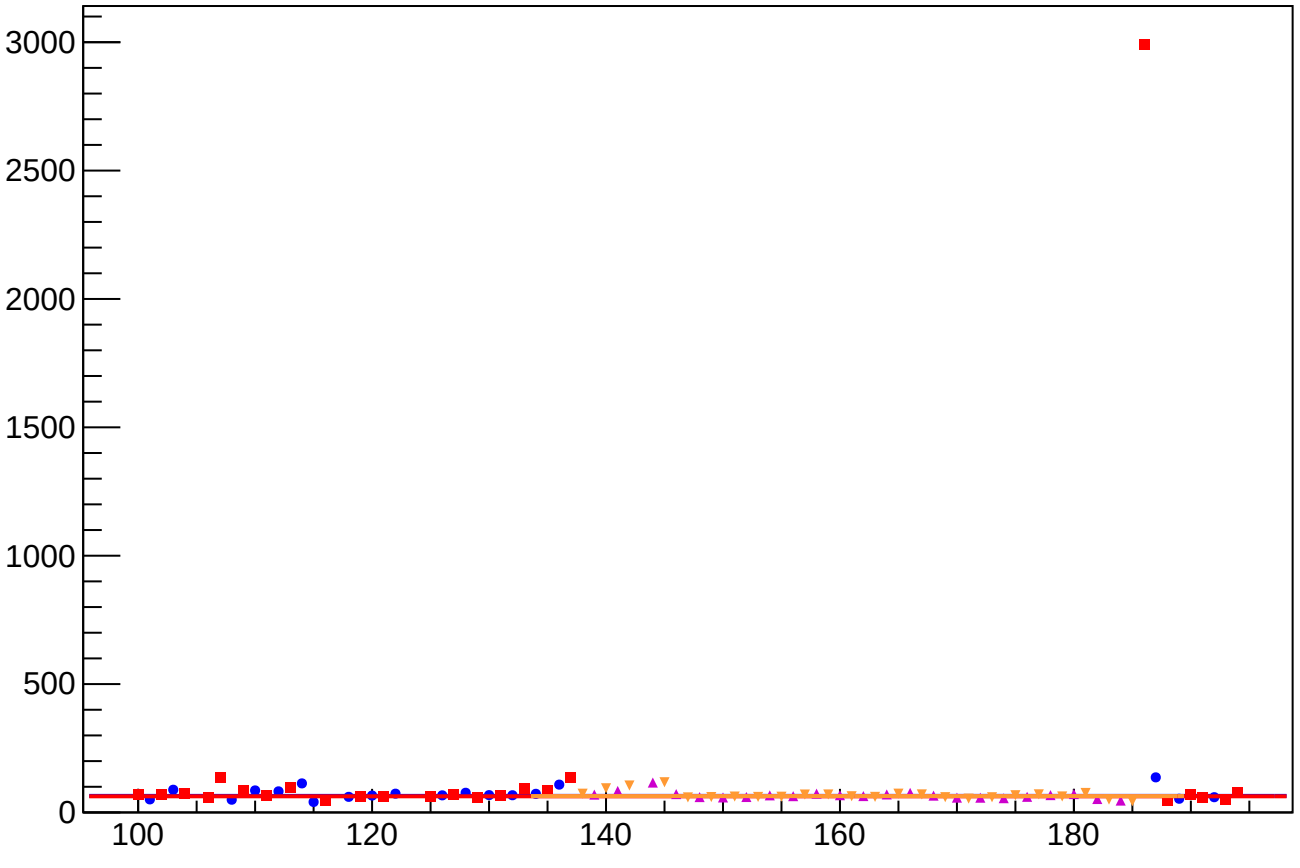
Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

Right: -0.004+/-0.015 χ^2/NDF: 46.4/42

In: -0.002+/-0.013 χ^2/NDF:47.7/41

Out: 0.000+/-0.012 χ^2/NDF:51.0/47

All: -0.001+/-0.009 χ^2/NDF: 98.7/89



Right In: 64.537+/-0.016 χ^2/NDF: 845436.8/18

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 62.871+/-0.015 χ^2/NDF: 1858972.0/23

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

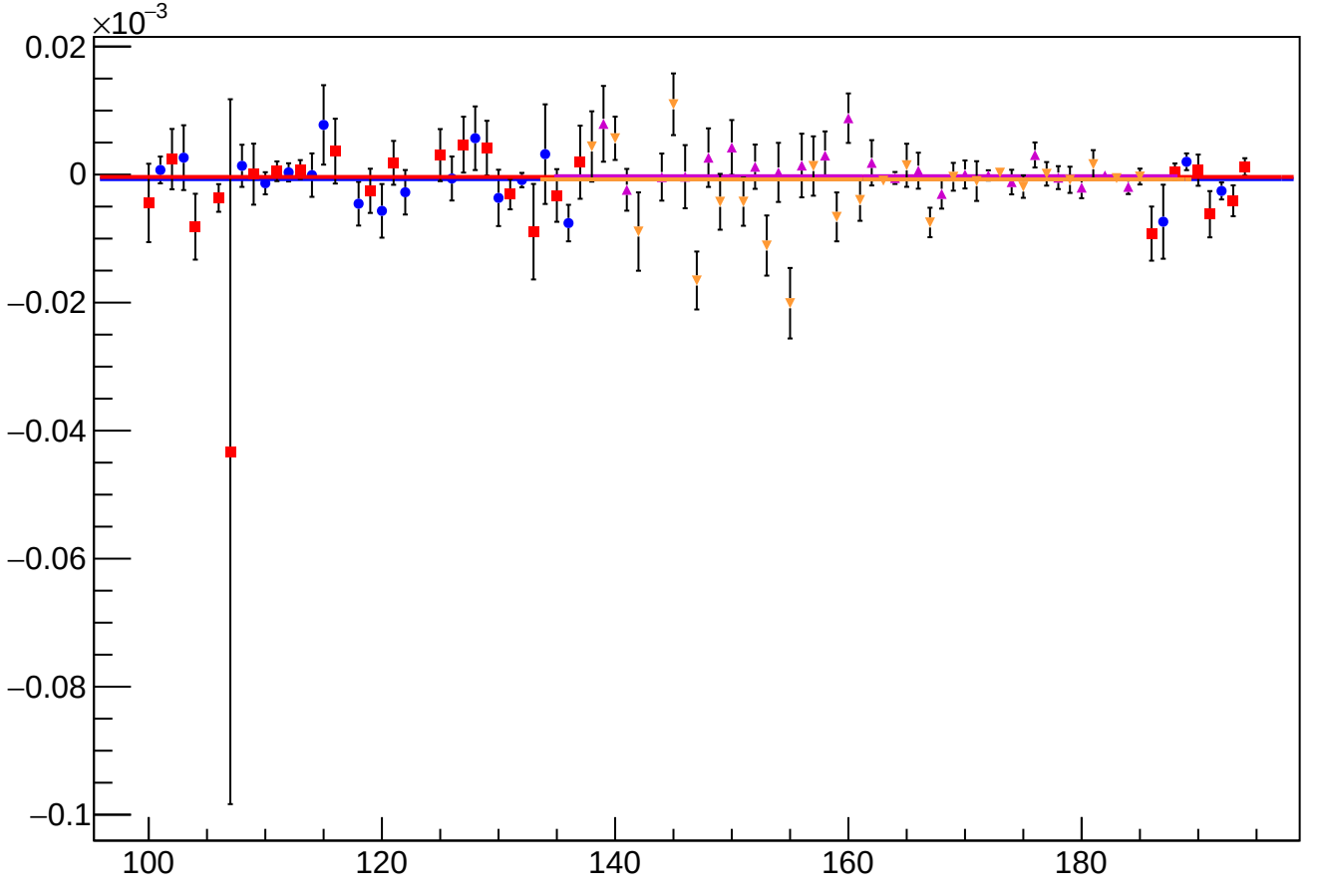
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

Right: 63.606+/-0.011 χ^2/NDF: 2710109.8/42

In: 64.189+/-0.009 χ^2/NDF:1684866.5/41

Out: 63.456+/-0.009 χ^2/NDF:2940266.8/47

All: 63.807+/-0.006 χ^2/NDF: 4628502.2/89



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/18

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

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/23

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

Left: -0.000+/-0.000 χ^2/NDF: 79.8/46

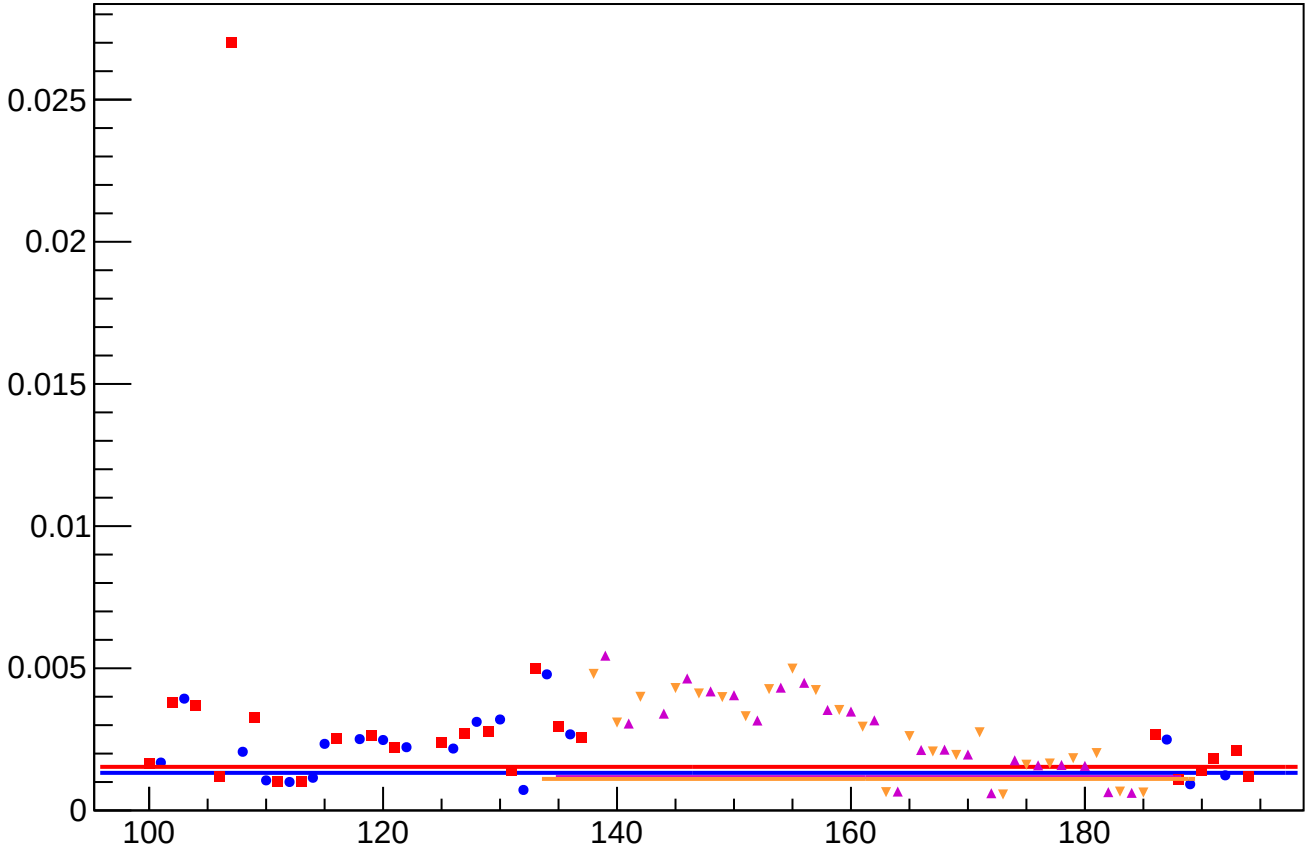
Right: -0.000+/-0.000 χ^2/NDF: 48.9/42

In: -0.000+/-0.000 χ^2/NDF:41.9/41

Out: -0.000+/-0.000 χ^2/NDF:86.4/47

All: -0.000+/-0.000 χ^2/NDF: 128.7/89

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3872672.0/18

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.002+/-0.000 χ^2/NDF: 4153871.4/23

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

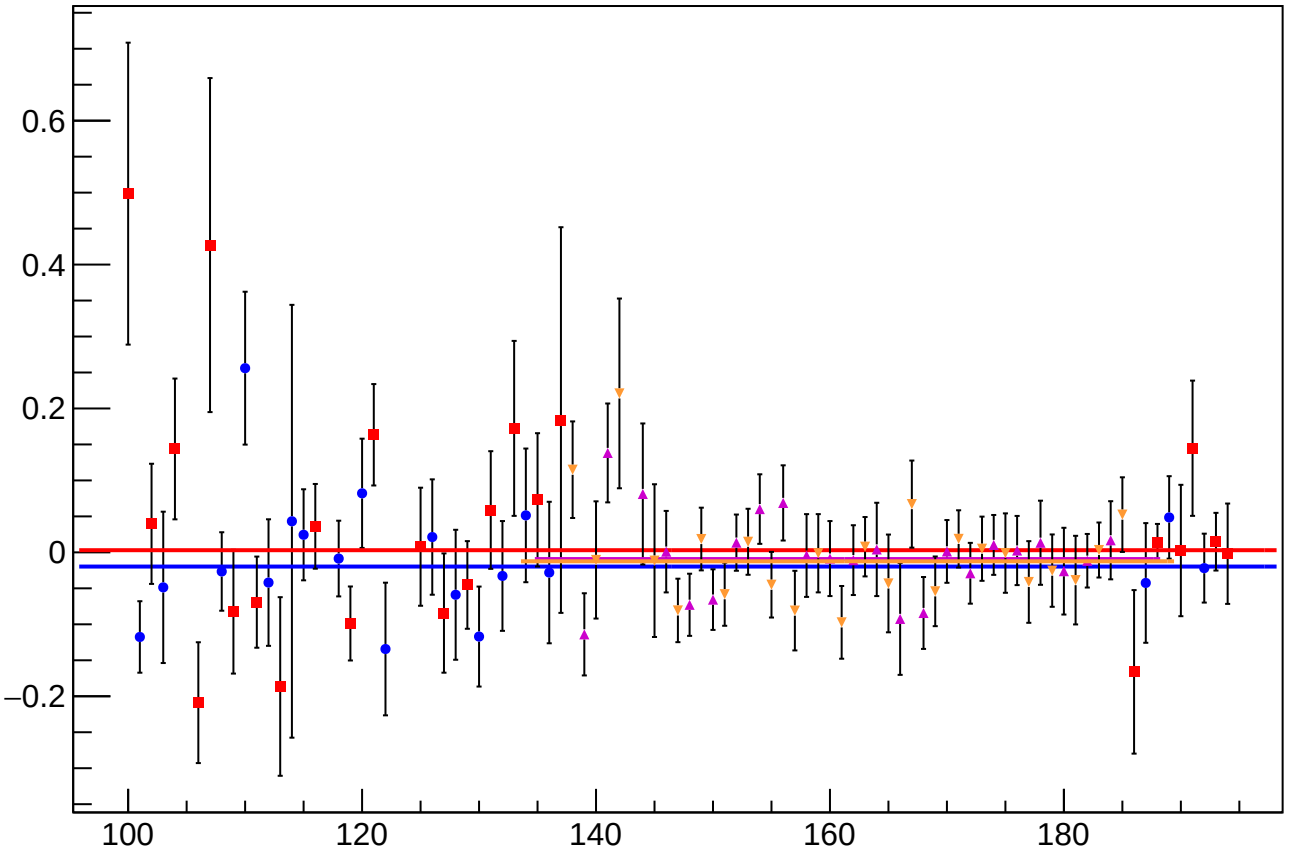
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 8189033.7/42

In: 0.001+/-0.000 χ^2/NDF:18240058.3/41

Out: 0.001+/-0.000 χ^2/NDF:20207709.1/47

All: 0.001+/-0.000 χ^2/NDF: 38449118.1/89



Right In: -0.020+/-0.016 χ^2/NDF: 19.2/18

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.003+/-0.014 χ^2/NDF: 41.5/23

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

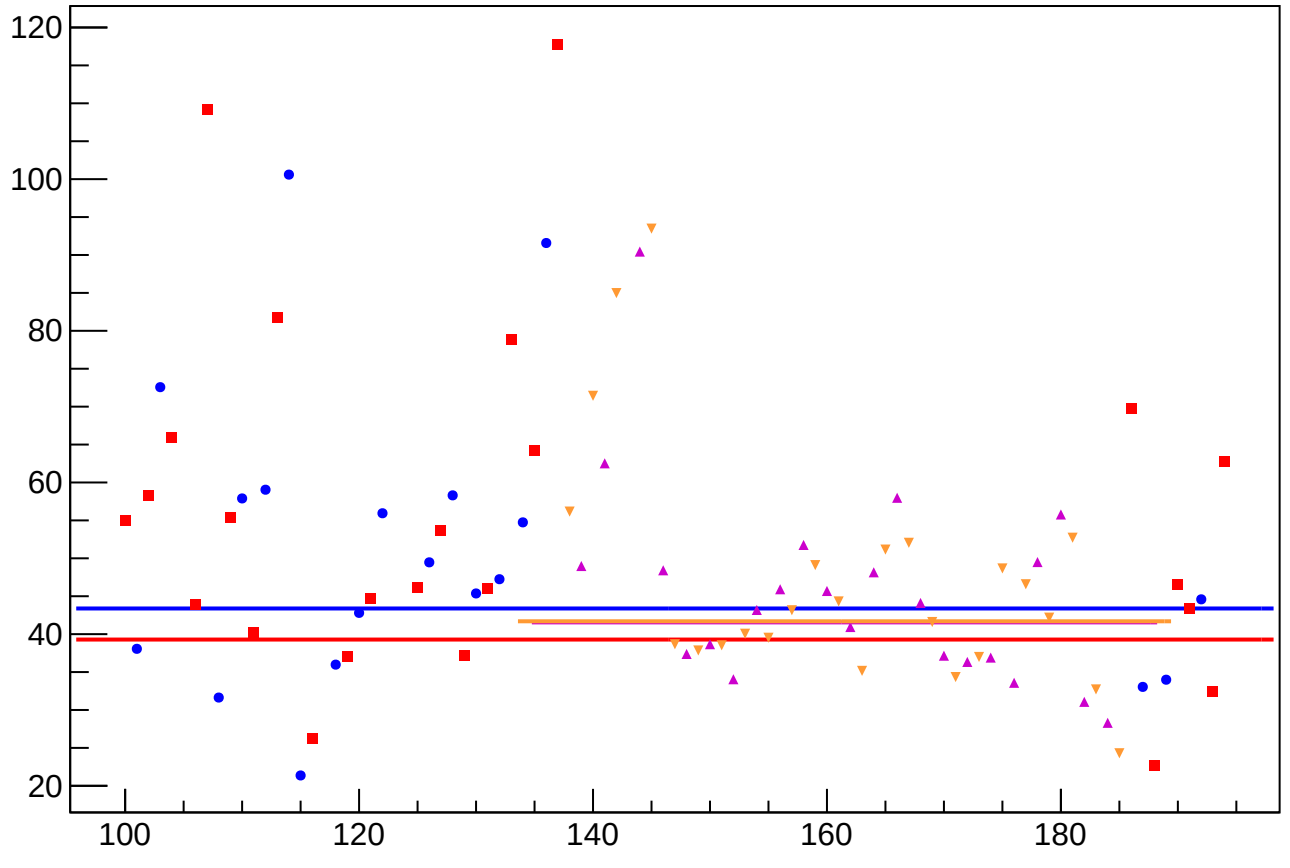
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.006+/-0.011 χ^2/NDF: 61.8/42

In: -0.012+/-0.009 χ^2/NDF:41.4/41

Out: -0.007+/-0.008 χ^2/NDF:64.2/47

All: -0.009+/-0.006 χ^2/NDF: 105.8/89



Right In: 43.384+/-0.012 χ^2/NDF: 1430809.5/18

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 39.287+/-0.010 χ^2/NDF: 2724823.3/23

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

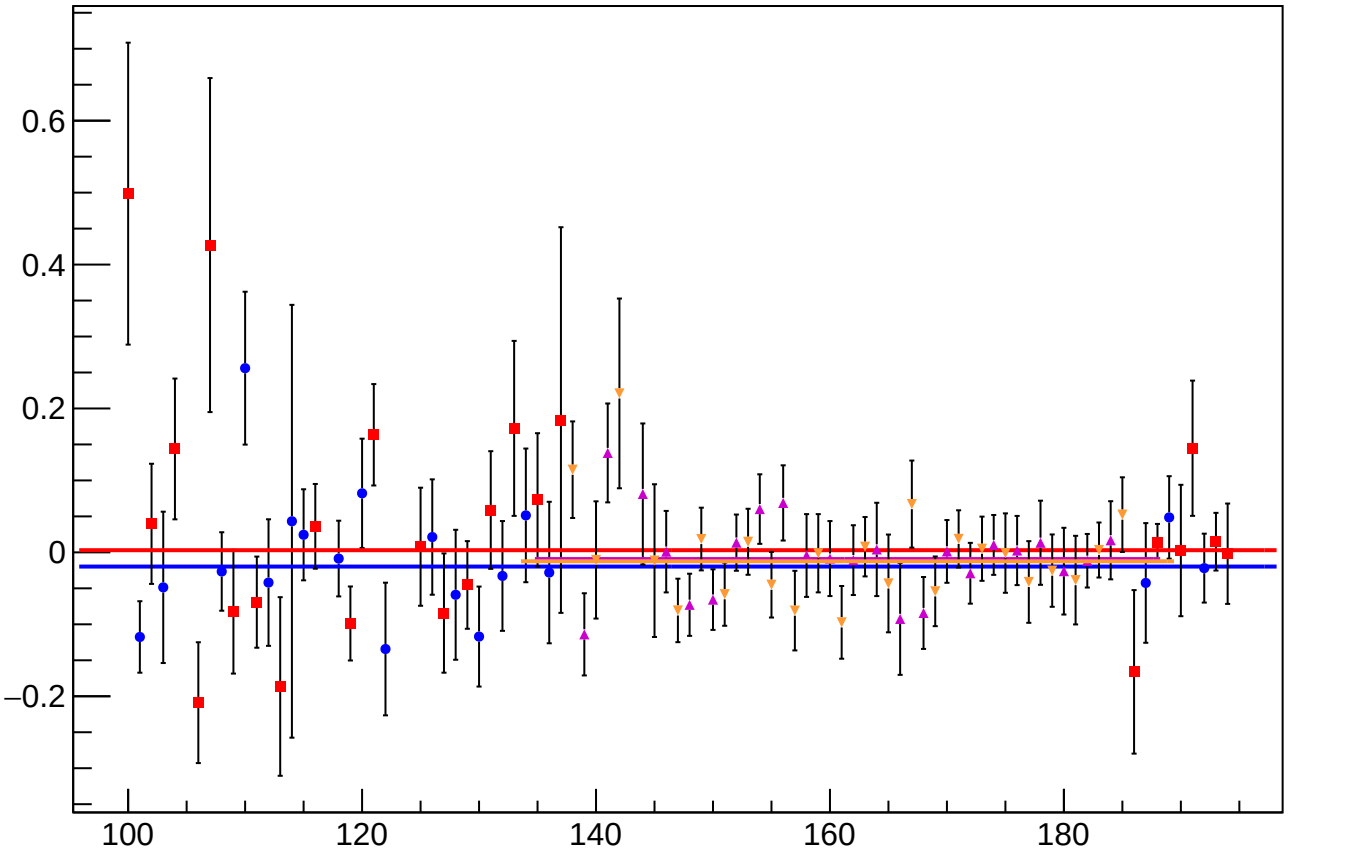
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 40.989+/-0.007 χ^2/NDF: 4228734.3/42

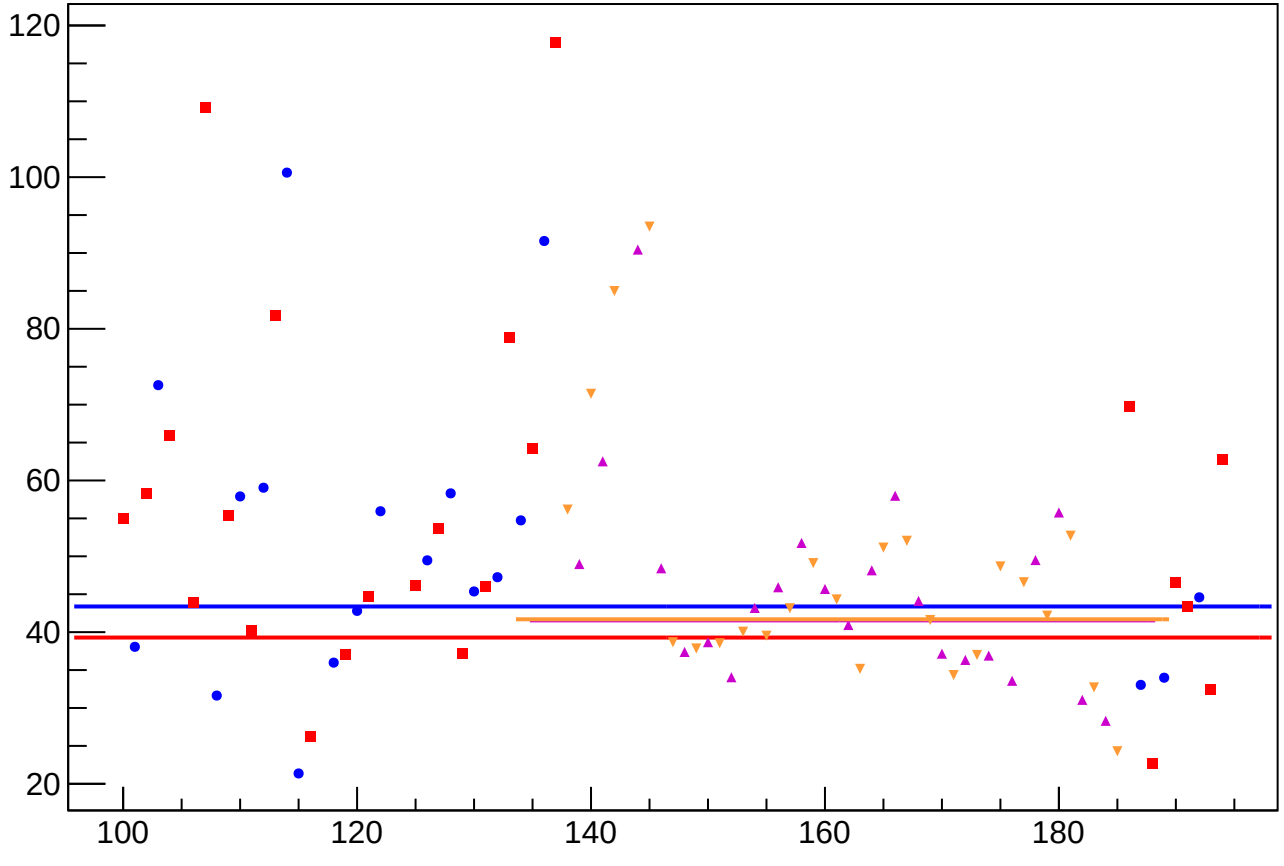
In: 42.083+/-0.006 χ^2/NDF:3061523.7/41

Out: 40.814+/-0.006 χ^2/NDF:4585108.7/47

All: 41.413+/-0.004 χ^2/NDF: 7668441.9/89


asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
Right In: -0.020+/-0.016 χ²/NDF: 19.2/18
Left Out: -0.012+/-0.010 χ²/NDF:21.9/23
Right Out: 0.003+/-0.014 χ²/NDF: 41.5/23
Left In: -0.009+/-0.010 χ²/NDF:21.9/22
Left: -0.011+/-0.007 χ²/NDF: 43.9/46
Right: -0.006+/-0.011 χ²/NDF: 61.8/42
In: -0.012+/-0.009 χ²/NDF:41.4/41
Out: -0.007+/-0.008 χ²/NDF:64.2/47
All: -0.009+/-0.006 χ²/NDF: 105.8/89

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.384+/-0.012 χ^2/NDF: 1430809.5/18

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 39.287+/-0.010 χ^2/NDF: 2724823.3/23

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

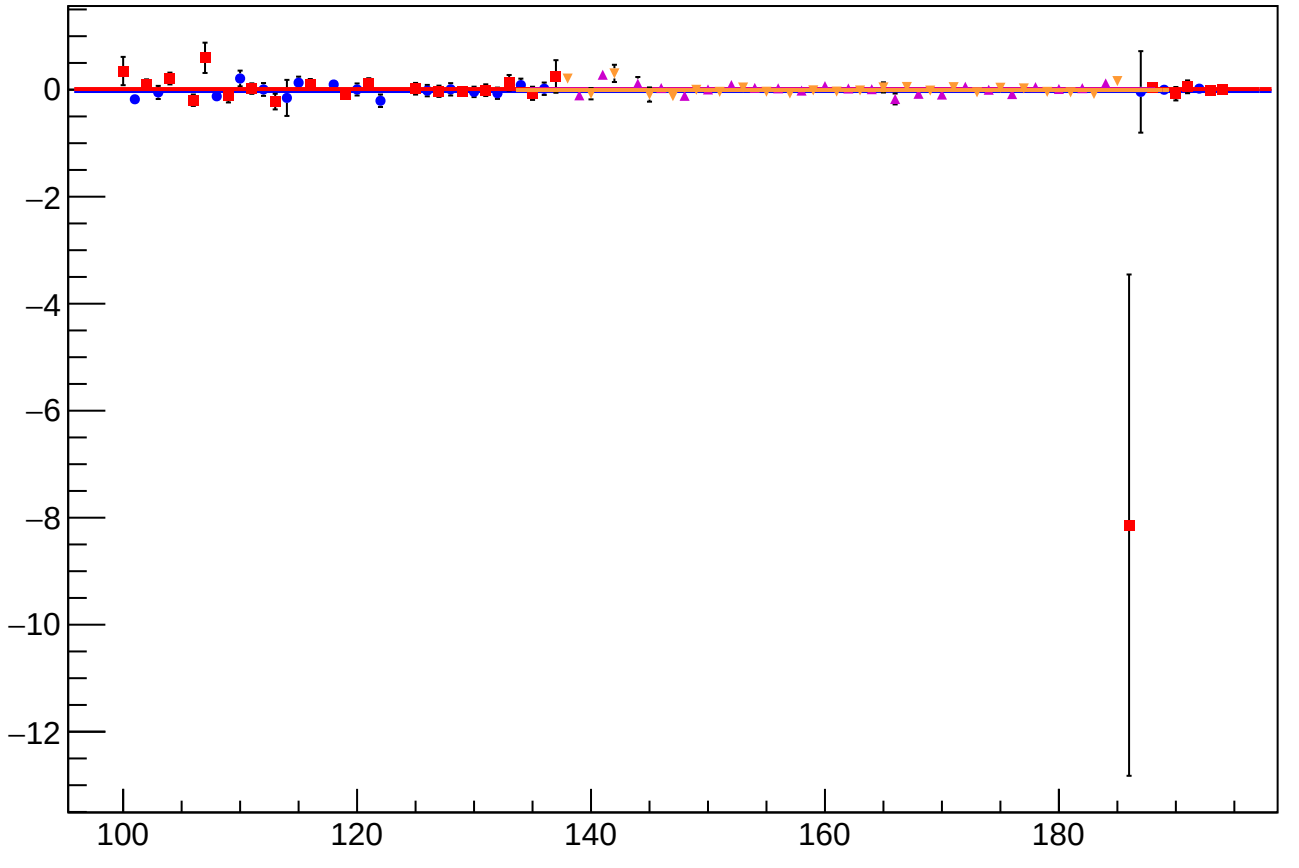
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 40.989+/-0.007 χ^2/NDF: 4228734.3/42

In: 42.083+/-0.006 χ^2/NDF:3061523.7/41

Out: 40.814+/-0.006 χ^2/NDF:4585108.7/47

All: 41.413+/-0.004 χ^2/NDF: 7668441.9/89



Right In: -0.025+/-0.023 χ^2/NDF: 18.2/18

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.012+/-0.021 χ^2/NDF: 26.8/23

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

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

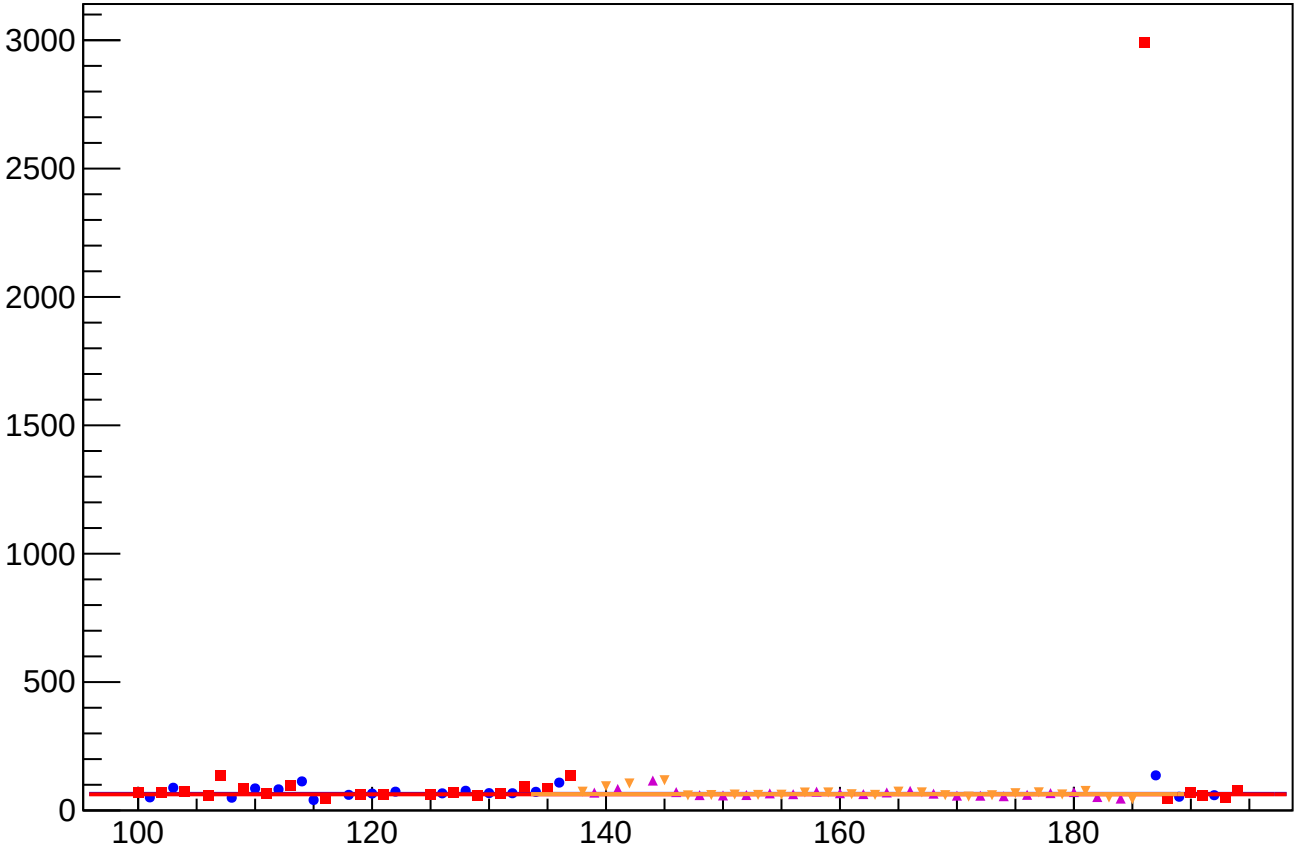
Right: -0.004+/-0.015 χ^2/NDF: 46.4/42

In: -0.002+/-0.013 χ^2/NDF:47.7/41

Out: 0.000+/-0.012 χ^2/NDF:51.0/47

All: -0.001+/-0.009 χ^2/NDF: 98.7/89

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 64.537+/-0.016 χ^2/NDF: 845438.4/18

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 62.870+/-0.015 χ^2/NDF: 1858942.2/23

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

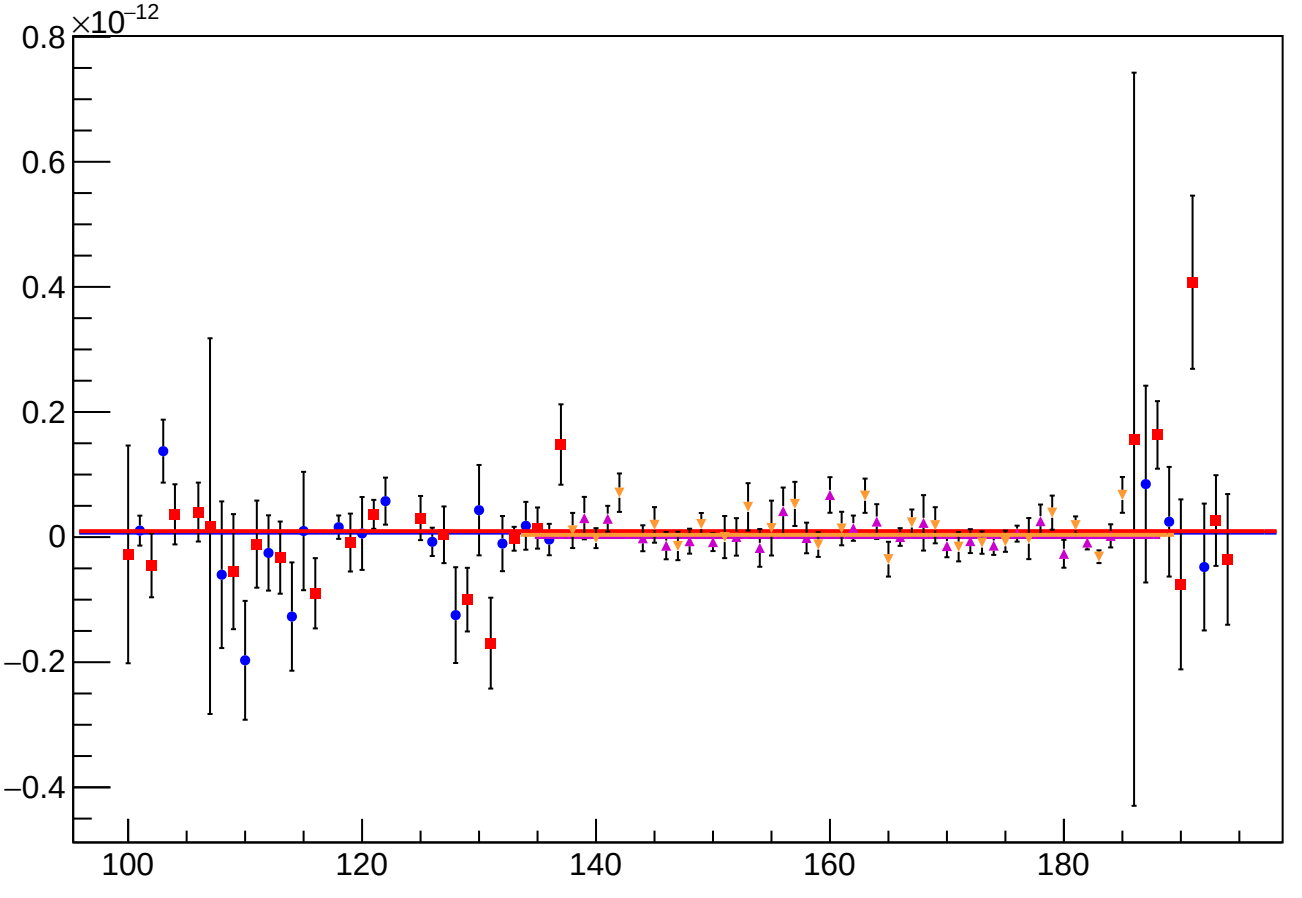
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 63.606+/-0.011 χ^2/NDF: 2710081.8/42

In: 64.189+/-0.009 χ^2/NDF:1684862.0/41

Out: 63.456+/-0.009 χ^2/NDF:2940227.0/47

All: 63.807+/-0.006 χ^2/NDF: 4628458.7/89



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 40.9/23

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

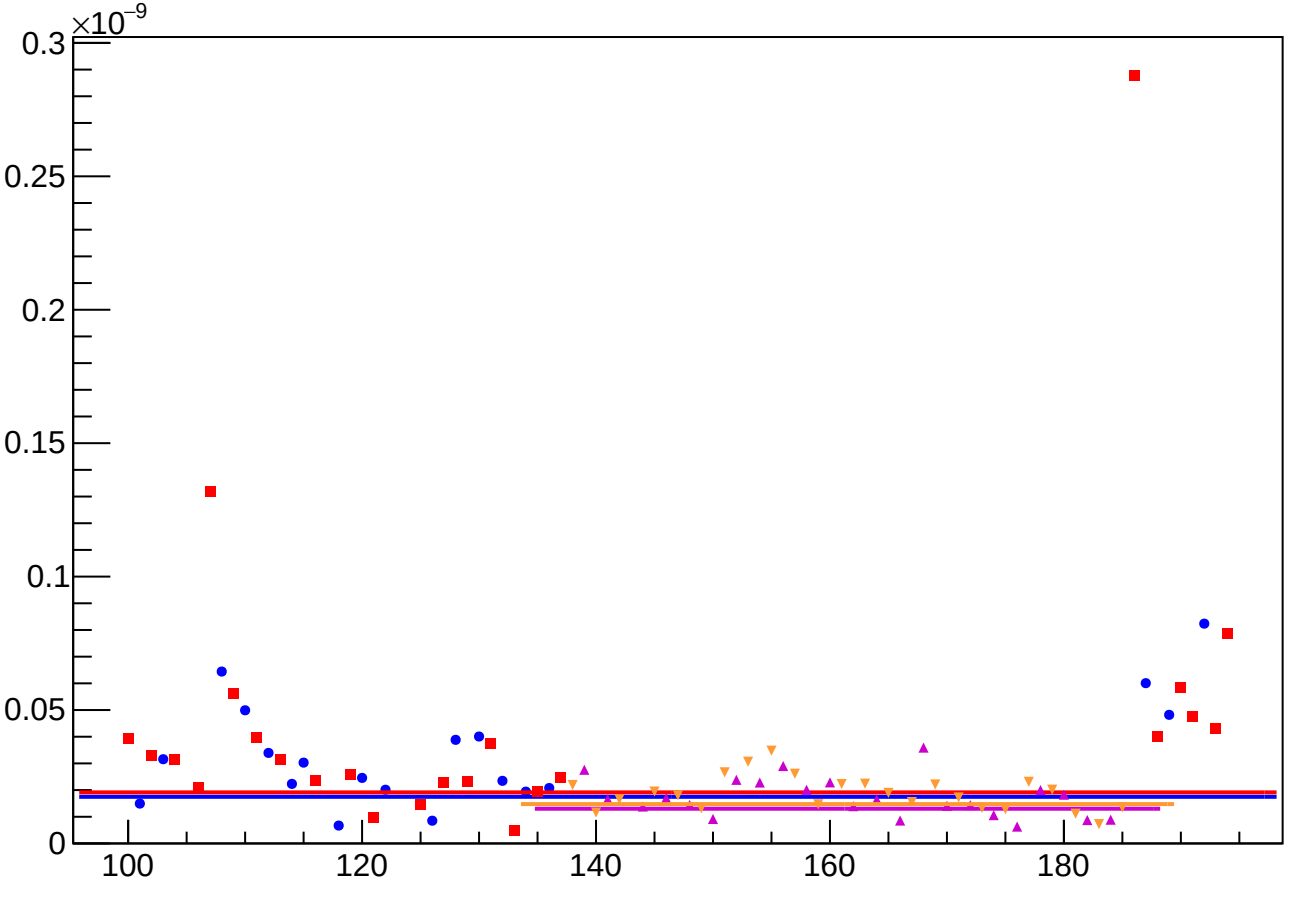
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 61.9/42

In: 0.000+/-0.000 χ^2/NDF:38.6/41

Out: 0.000+/-0.000 χ^2/NDF:81.8/47

All: 0.000+/-0.000 χ^2/NDF: 120.8/89



Right In: 0.000+/-0.000 χ^2/NDF: 3581491.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4713638.6/23

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

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

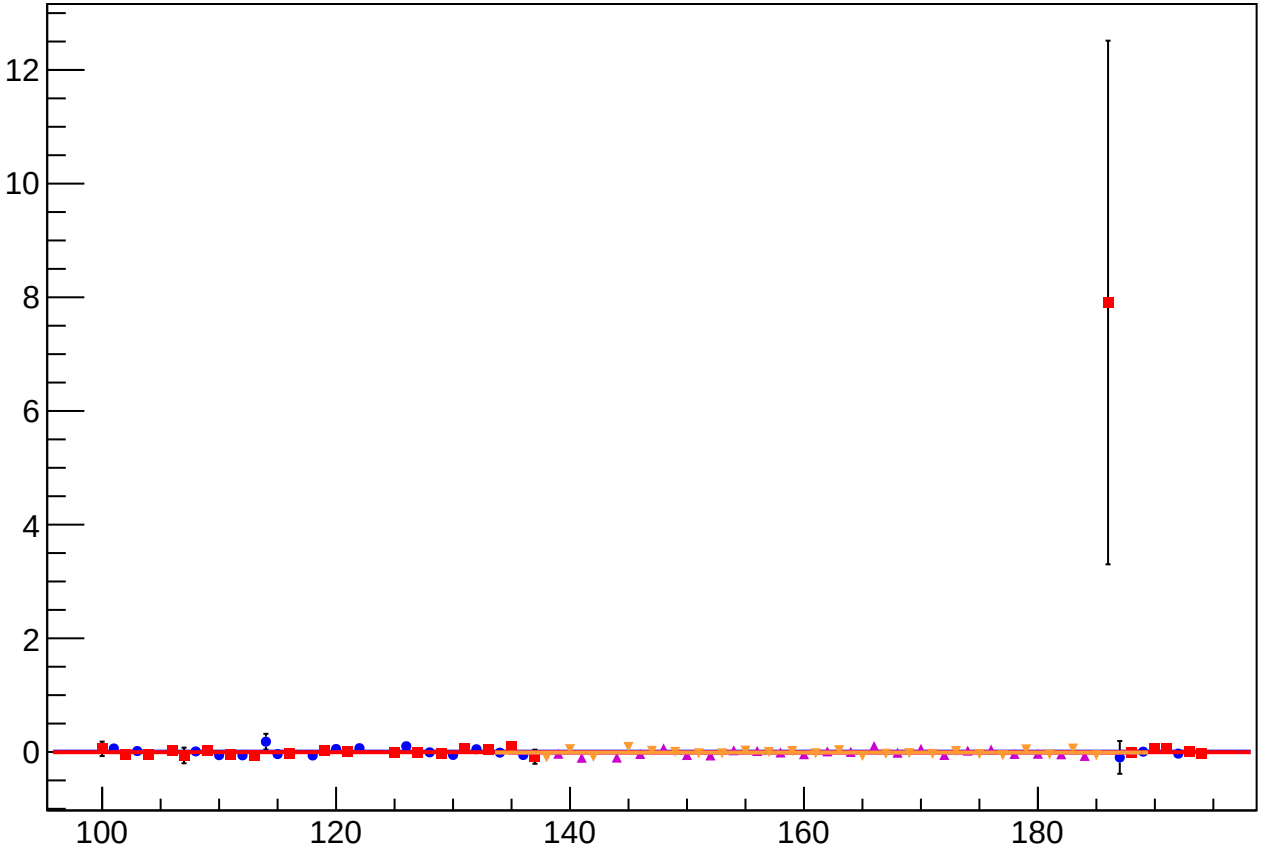
Right: 0.000+/-0.000 χ^2/NDF: 8327124.7/42

In: 0.000+/-0.000 χ^2/NDF:7909689.5/41

Out: 0.000+/-0.000 χ^2/NDF:8598248.9/47

All: 0.000+/-0.000 χ^2/NDF: 16720638.6/89

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/18

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.004+/-0.011 χ^2/NDF: 16.0/23

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

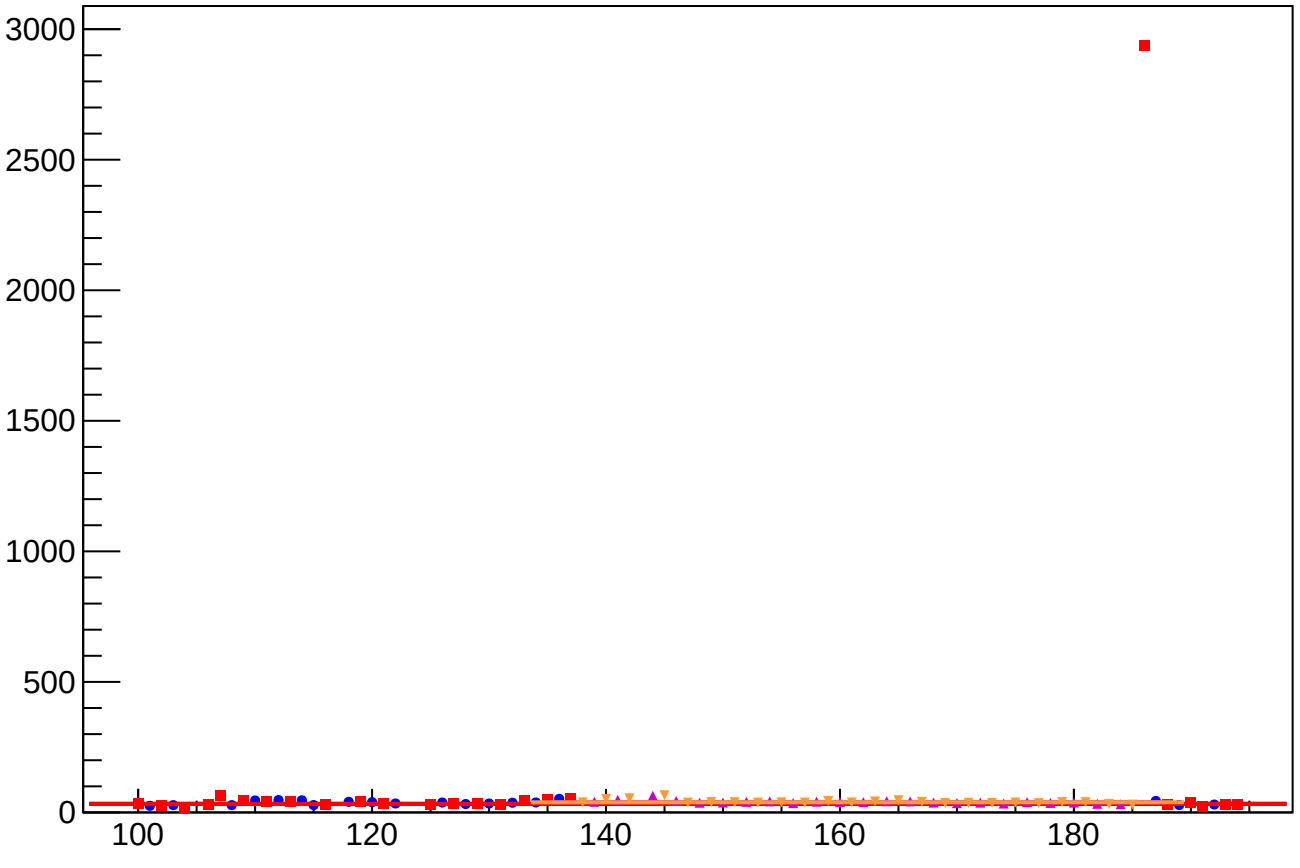
Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

Right: 0.000+/-0.008 χ^2/NDF: 32.5/42

In: -0.005+/-0.007 χ^2/NDF:40.6/41

Out: -0.007+/-0.007 χ^2/NDF:35.6/47

All: -0.006+/-0.005 χ^2/NDF: 76.3/89



Right In: 33.314+/-0.009 χ^2/NDF: 687814.4/18

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 32.612+/-0.008 χ^2/NDF: 1804206.0/23

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

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

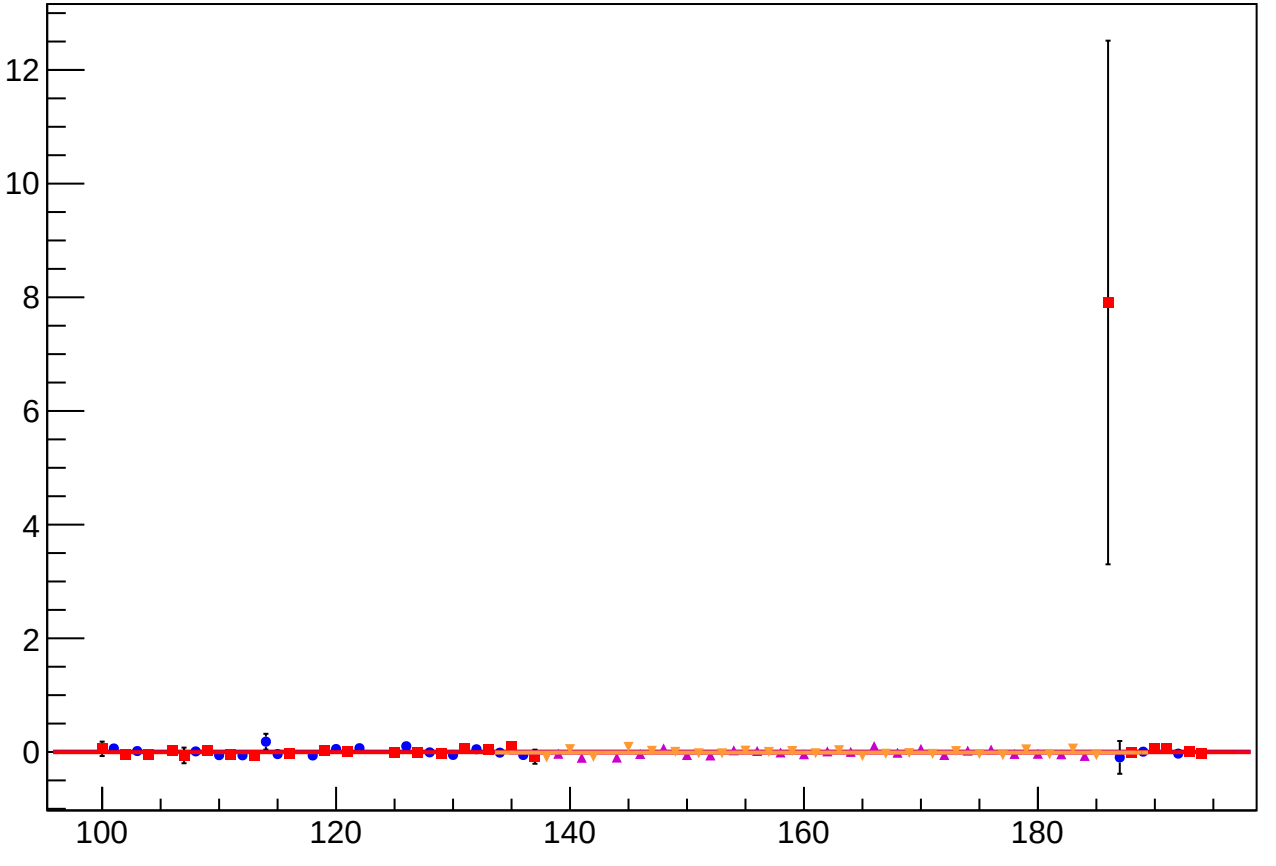
Right: 32.923+/-0.006 χ^2/NDF: 2495778.4/42

In: 36.920+/-0.005 χ^2/NDF:1499470.7/41

Out: 36.203+/-0.005 χ^2/NDF:2821970.0/47

All: 36.543+/-0.004 χ^2/NDF: 4331073.6/89

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/18

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.004+/-0.011 χ^2/NDF: 16.0/23

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

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

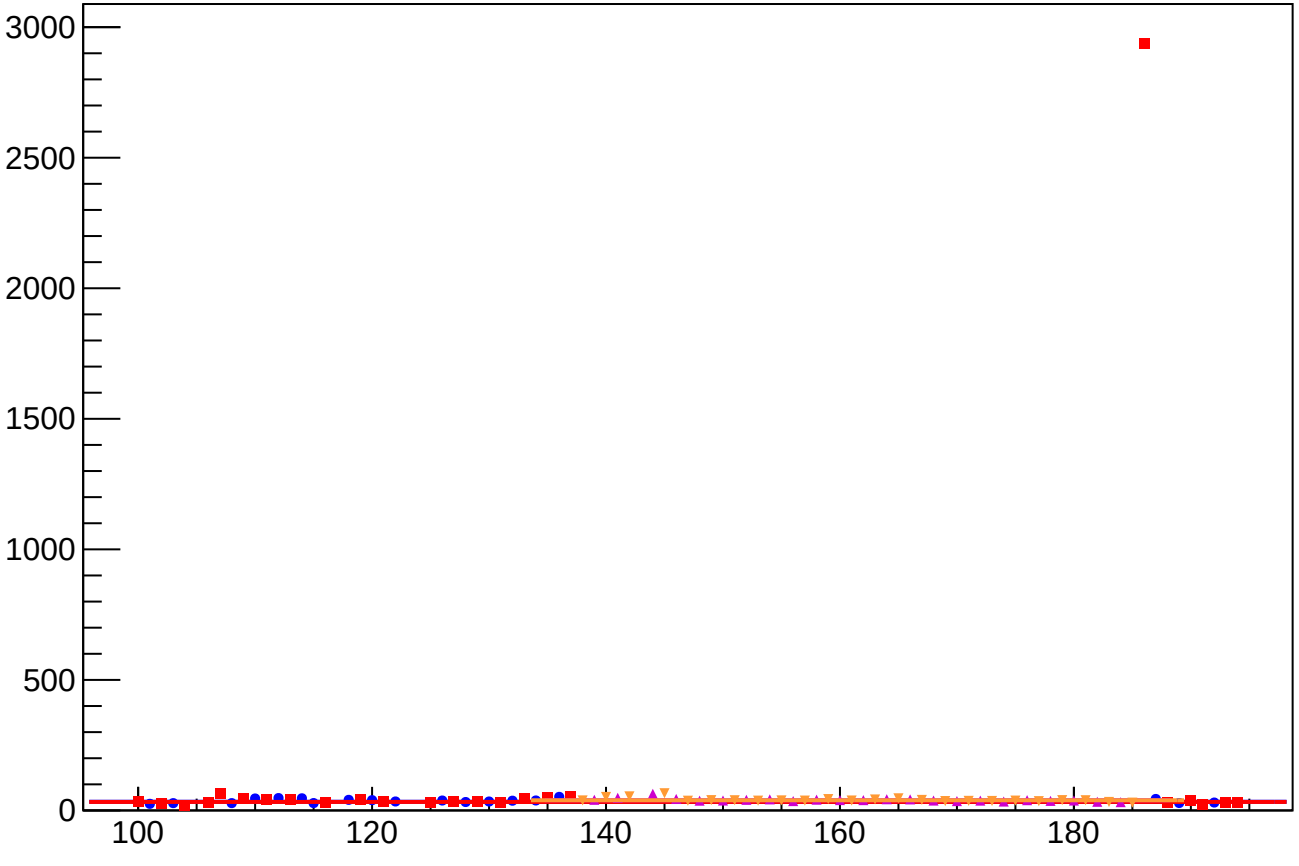
Right: 0.000+/-0.008 χ^2/NDF: 32.5/42

In: -0.005+/-0.007 χ^2/NDF:40.6/41

Out: -0.007+/-0.007 χ^2/NDF:35.6/47

All: -0.006+/-0.005 χ^2/NDF: 76.3/89

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.314+/-0.009 χ^2/NDF: 687814.4/18

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 32.612+/-0.008 χ^2/NDF: 1804206.0/23

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

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

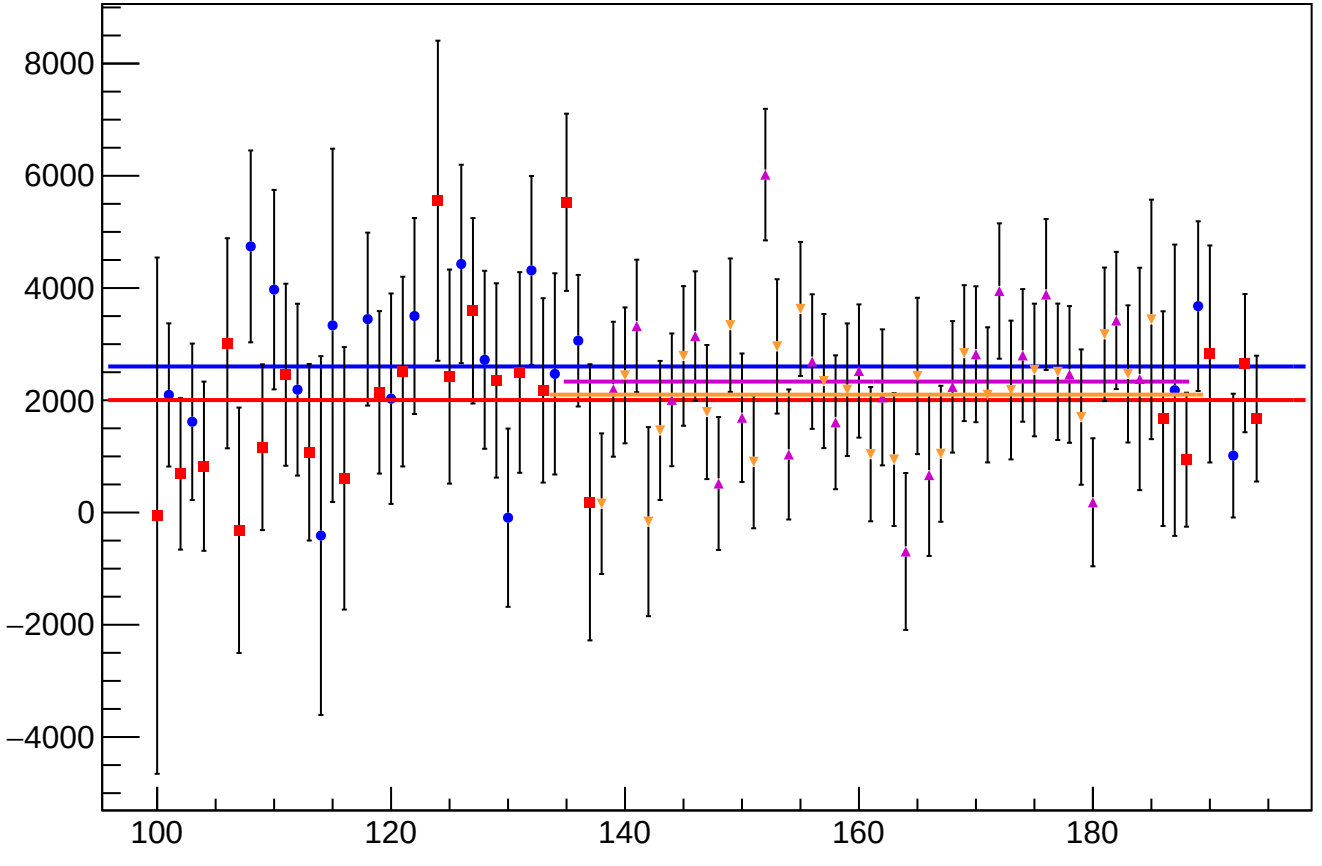
Right: 32.923+/-0.006 χ^2/NDF: 2495778.4/42

In: 36.920+/-0.005 χ^2/NDF:1499470.7/41

Out: 36.203+/-0.005 χ^2/NDF:2821970.0/47

All: 36.543+/-0.004 χ^2/NDF: 4331073.6/89

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2602.338+/-368.560 χ^2/NDF: 12.2/18

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2003.833+/-336.504 χ^2/NDF: 13.9/23

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

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

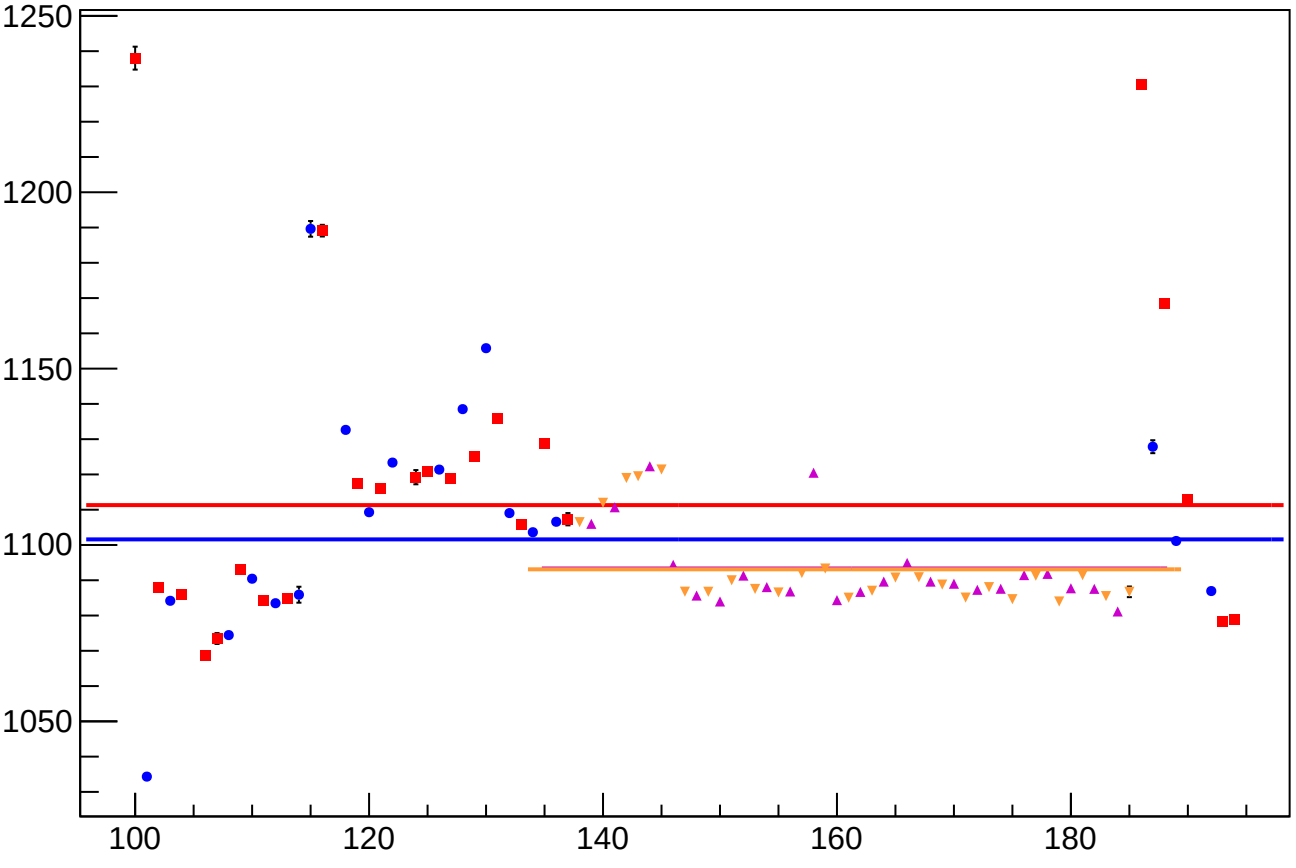
Right: 2275.931+/-248.506 χ^2/NDF: 27.6/42

In: 2420.294+/-209.859 χ^2/NDF:42.1/41

Out: 2066.355+/-199.800 χ^2/NDF:27.8/48

All: 2234.639+/-144.705 χ^2/NDF: 71.4/90

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1101.588+/-0.261 χ^2/NDF: 13804.9/18

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1111.306+/-0.238 χ^2/NDF: 24357.9/23

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

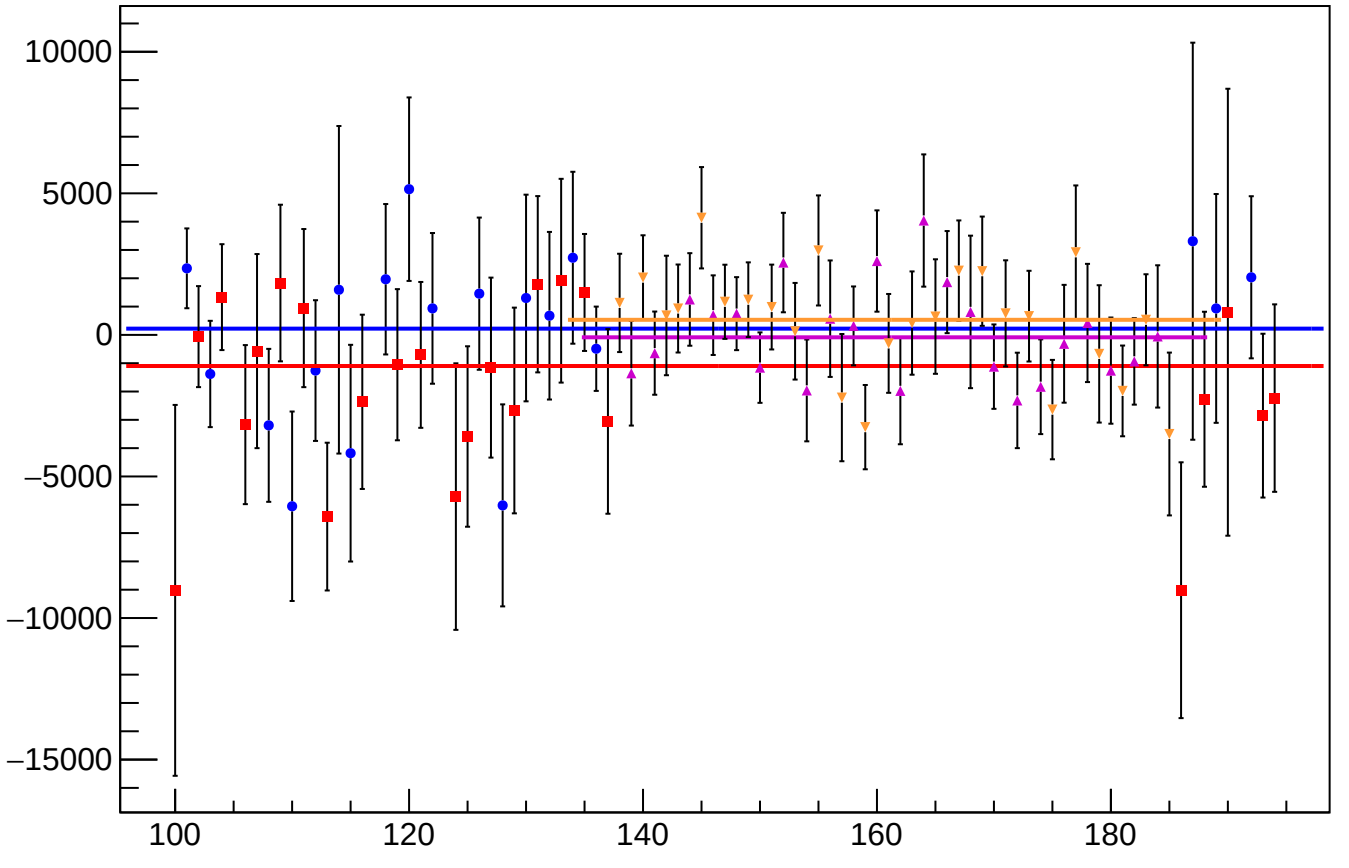
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1106.888+/-0.176 χ^2/NDF: 38921.1/42

In: 1096.013+/-0.148 χ^2/NDF:18207.8/41

Out: 1099.520+/-0.141 χ^2/NDF:32130.6/48

All: 1097.852+/-0.102 χ^2/NDF: 50631.3/90



Right In: 221.209+/-595.373 χ^2/NDF: 17.6/18

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1098.858+/-592.850 χ^2/NDF: 19.1/23

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

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

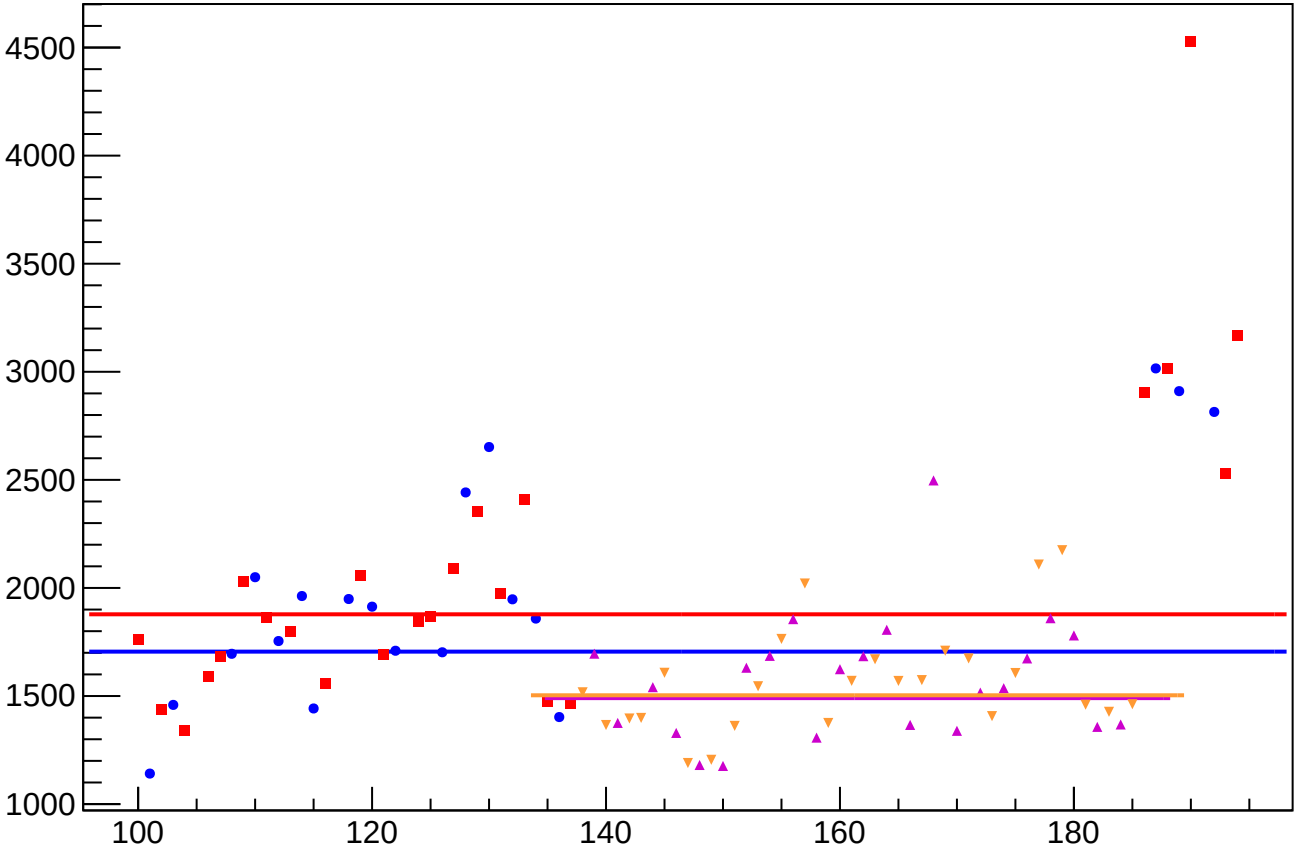
Right: -441.627+/-420.098 χ^2/NDF: 39.1/42

In: -5.286+/-304.235 χ^2/NDF:35.8/41

Out: 116.190+/-299.617 χ^2/NDF:51.2/48

All: 56.381+/-213.475 χ^2/NDF: 87.1/90

asym_usr_reg_correction_rms vs Slug, Sign Corrected



Right In: 1705.387+/-0.421 χ^2/NDF: 1283912.8/18

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1878.061+/-0.419 χ^2/NDF: 1566552.9/23

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

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

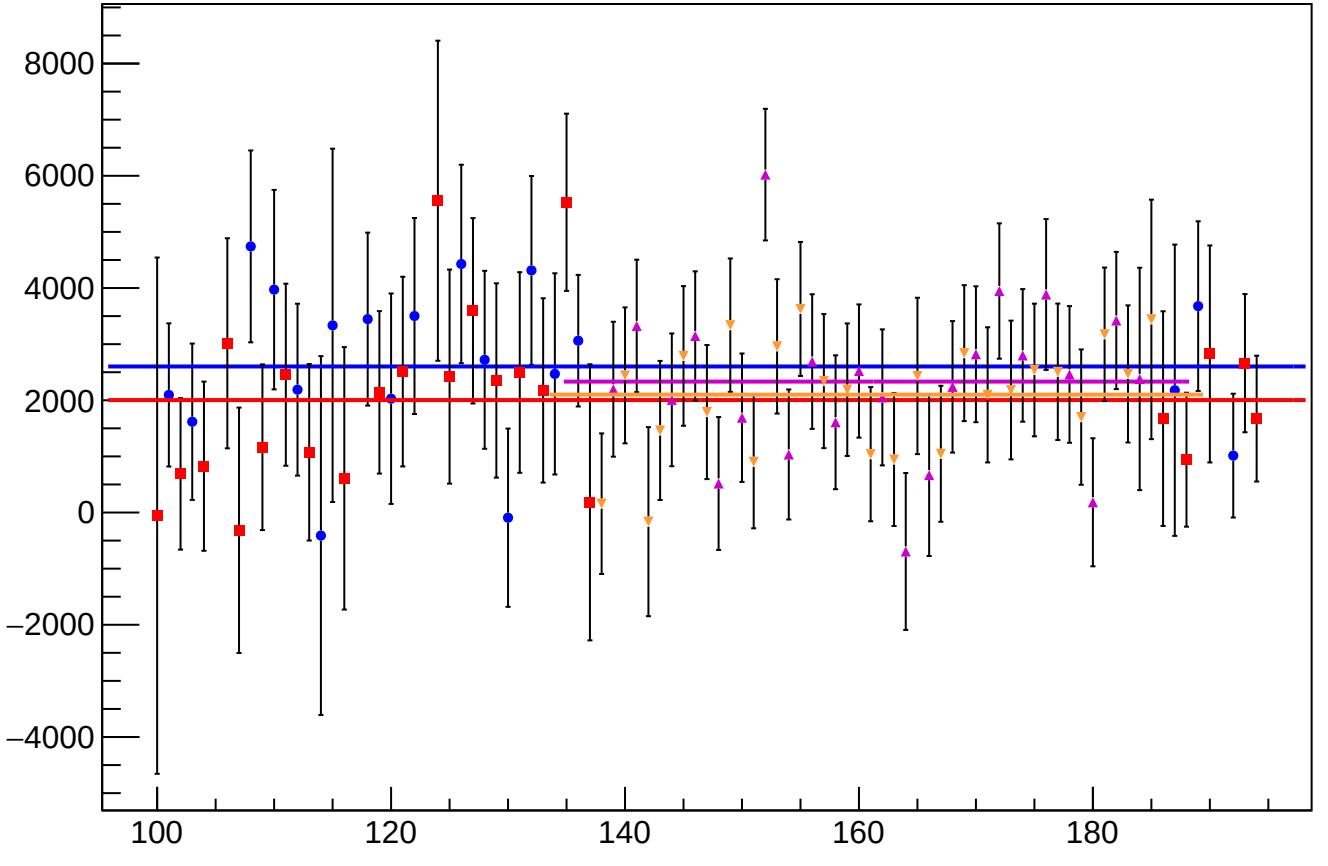
Right: 1792.091+/-0.297 χ^2/NDF: 2934938.7/42

In: 1546.474+/-0.215 χ^2/NDF:2444973.8/41

Out: 1599.121+/-0.212 χ^2/NDF:2960855.1/48

All: 1573.200+/-0.151 χ^2/NDF: 5436231.8/90

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2602.338+/-368.560 χ^2/NDF: 12.2/18

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2003.833+/-336.504 χ^2/NDF: 13.9/23

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

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

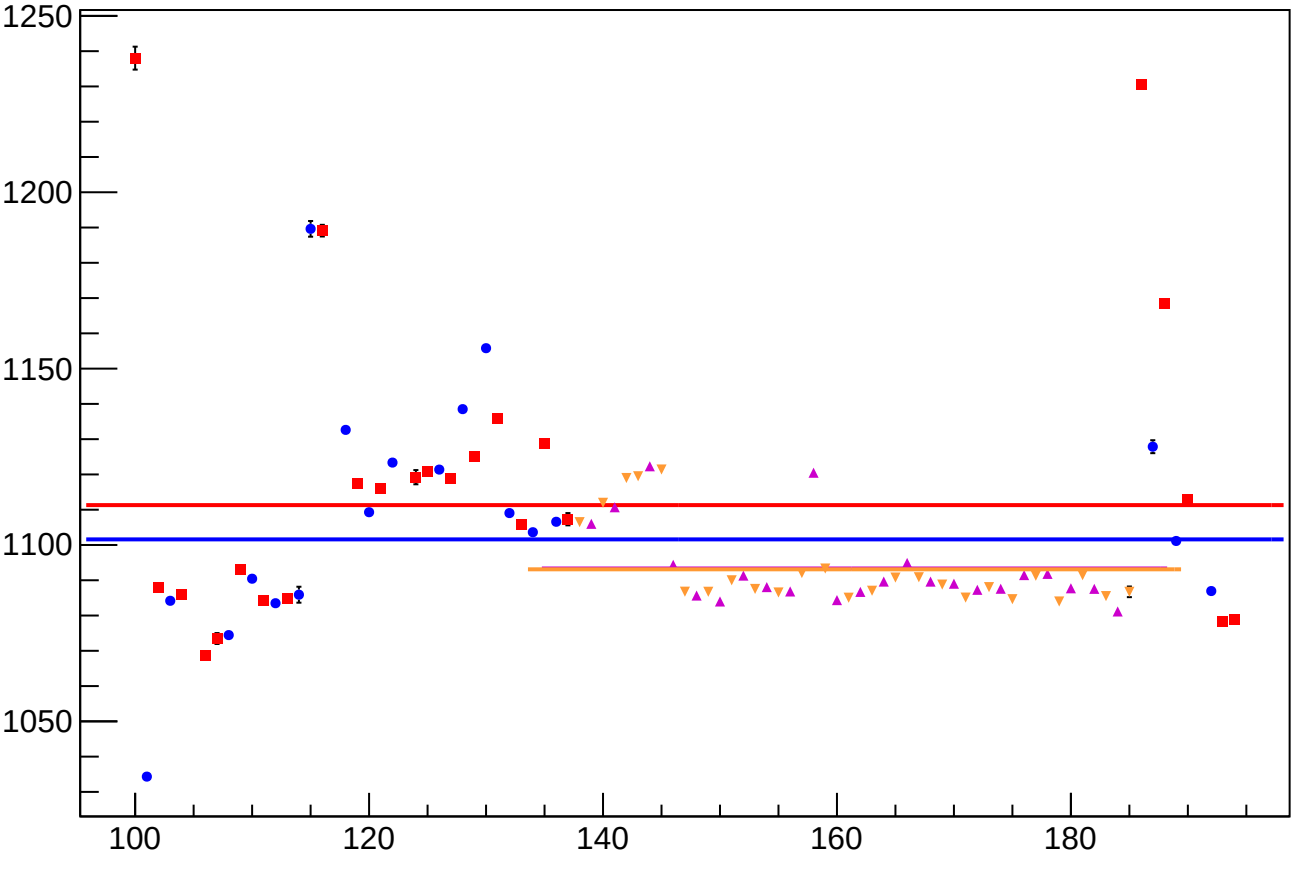
Right: 2275.931+/-248.506 χ^2/NDF: 27.6/42

In: 2420.294+/-209.859 χ^2/NDF:42.1/41

Out: 2066.355+/-199.800 χ^2/NDF:27.8/48

All: 2234.639+/-144.705 χ^2/NDF: 71.4/90

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1101.588+/-0.261 χ^2/NDF: 13804.9/18

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1111.306+/-0.238 χ^2/NDF: 24357.9/23

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

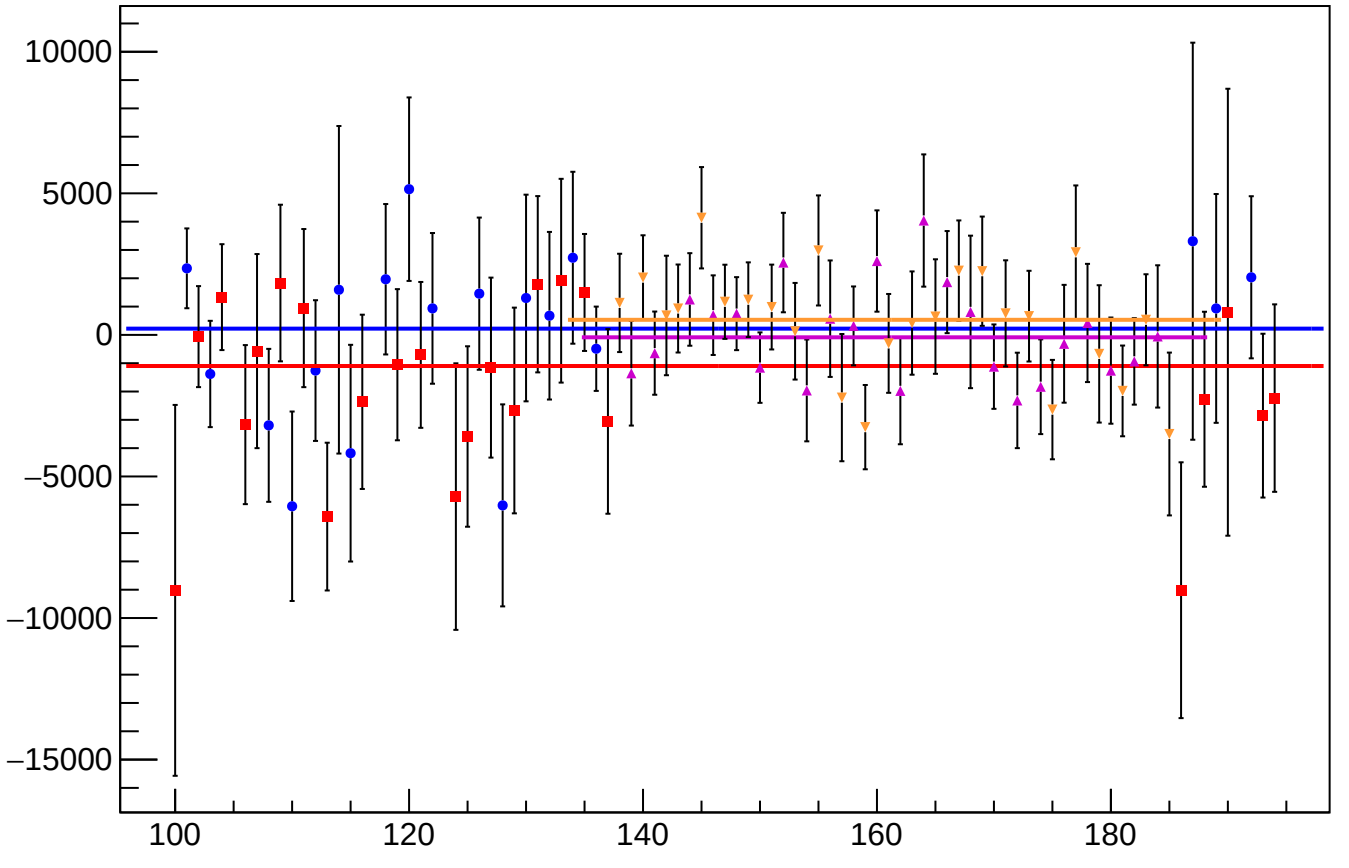
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1106.888+/-0.176 χ^2/NDF: 38921.1/42

In: 1096.013+/-0.148 χ^2/NDF:18207.8/41

Out: 1099.520+/-0.141 χ^2/NDF:32130.6/48

All: 1097.852+/-0.102 χ^2/NDF: 50631.3/90



Right In: 221.209+/-595.373 χ^2/NDF: 17.6/18

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1098.858+/-592.850 χ^2/NDF: 19.1/23

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

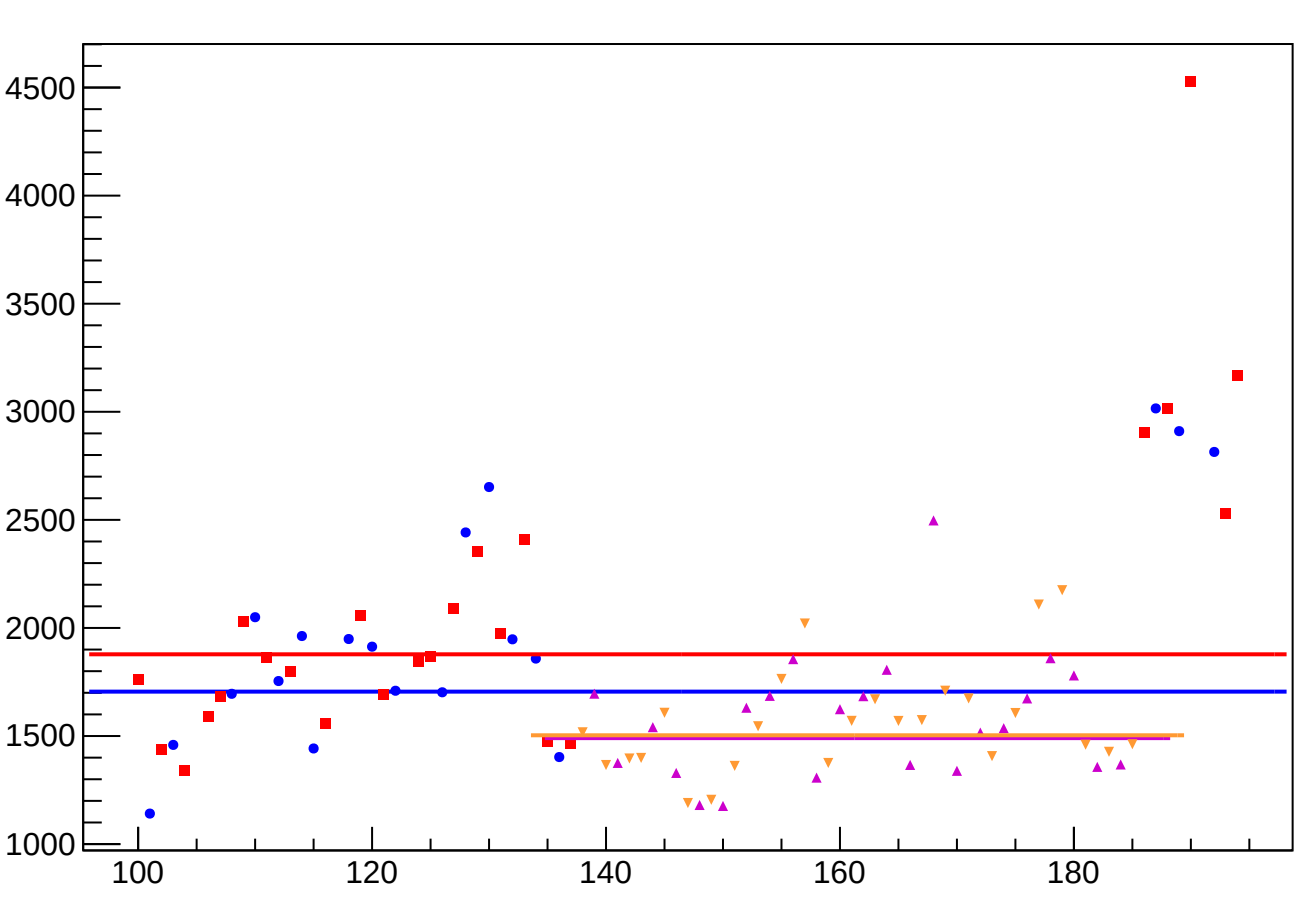
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -441.627+/-420.098 χ^2/NDF: 39.1/42

In: -5.286+/-304.235 χ^2/NDF:35.8/41

Out: 116.190+/-299.617 χ^2/NDF:51.2/48

All: 56.381+/-213.475 χ^2/NDF: 87.1/90



Right In: 1705.387+/-0.421 χ^2/NDF: 1283912.8/18

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1878.061+/-0.419 χ^2/NDF: 1566552.9/23

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

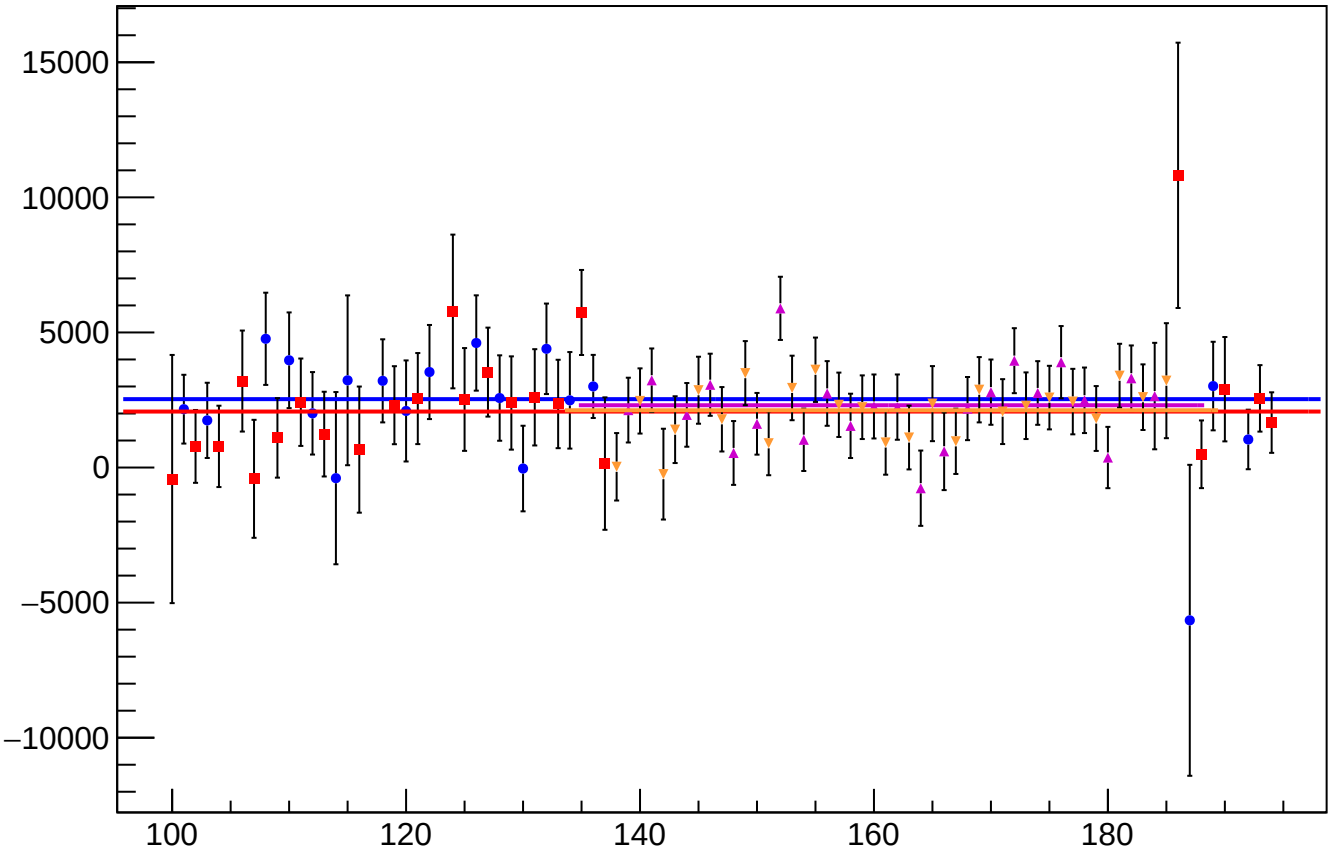
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 1792.091+/-0.297 χ^2/NDF: 2934938.7/42

In: 1546.474+/-0.215 χ^2/NDF:2444973.8/41

Out: 1599.121+/-0.212 χ^2/NDF:2960855.1/48

All: 1573.200+/-0.151 χ^2/NDF: 5436231.8/90



Right In: 2531.466+/-372.396 χ^2/NDF: 13.7/18

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: 2072.017+/-341.637 χ^2/NDF: 18.8/23

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

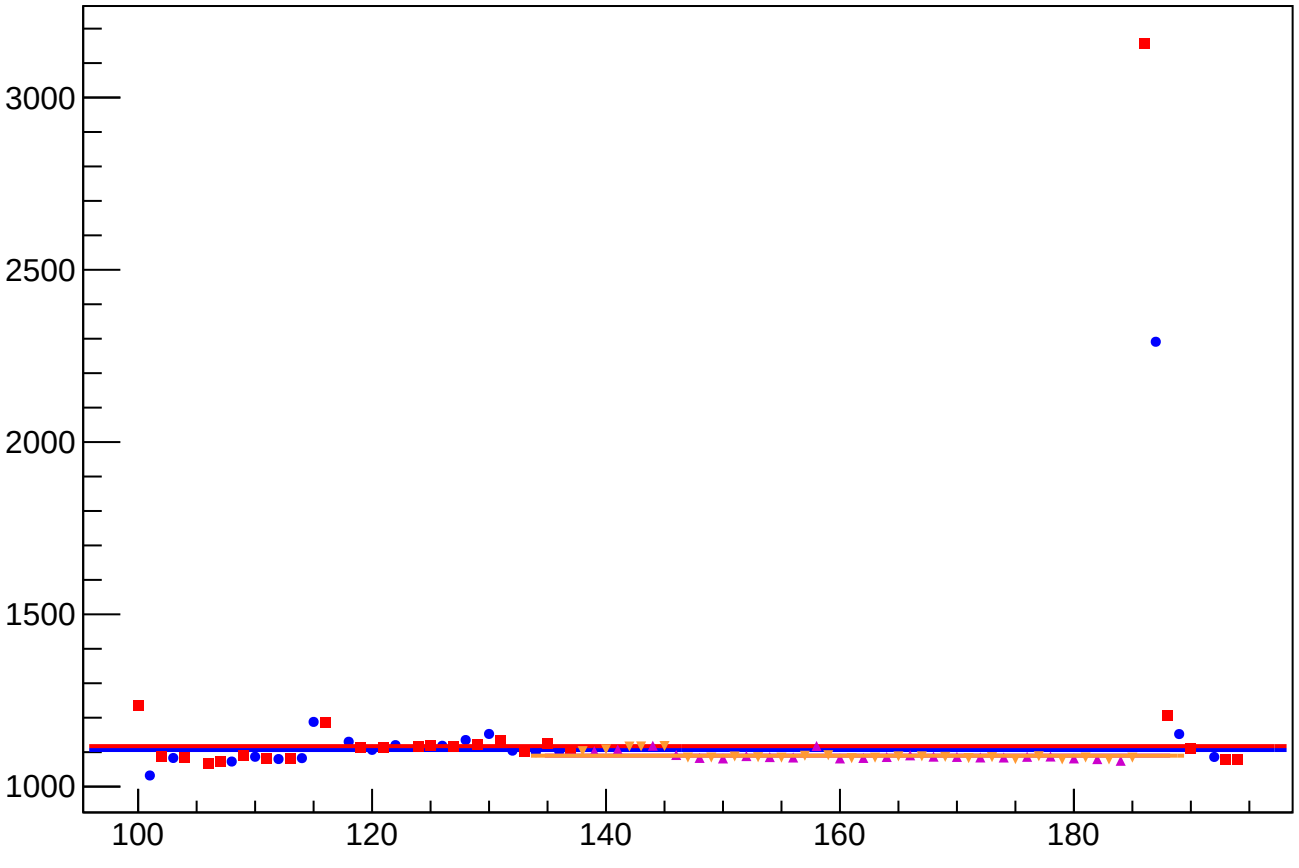
Left: 2210.124+/-177.447 χ^2/NDF: 43.9/47

Right: 2281.986+/-251.747 χ^2/NDF: 33.4/42

In: 2377.377+/-210.117 χ^2/NDF:42.4/41

Out: 2103.463+/-200.454 χ^2/NDF:34.0/48

All: 2233.977+/-145.038 χ^2/NDF: 77.3/90



Right In: 1106.186+/-0.263 χ^2/NDF: 100581.0/18

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1117.513+/-0.242 χ^2/NDF: 369671.2/23

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

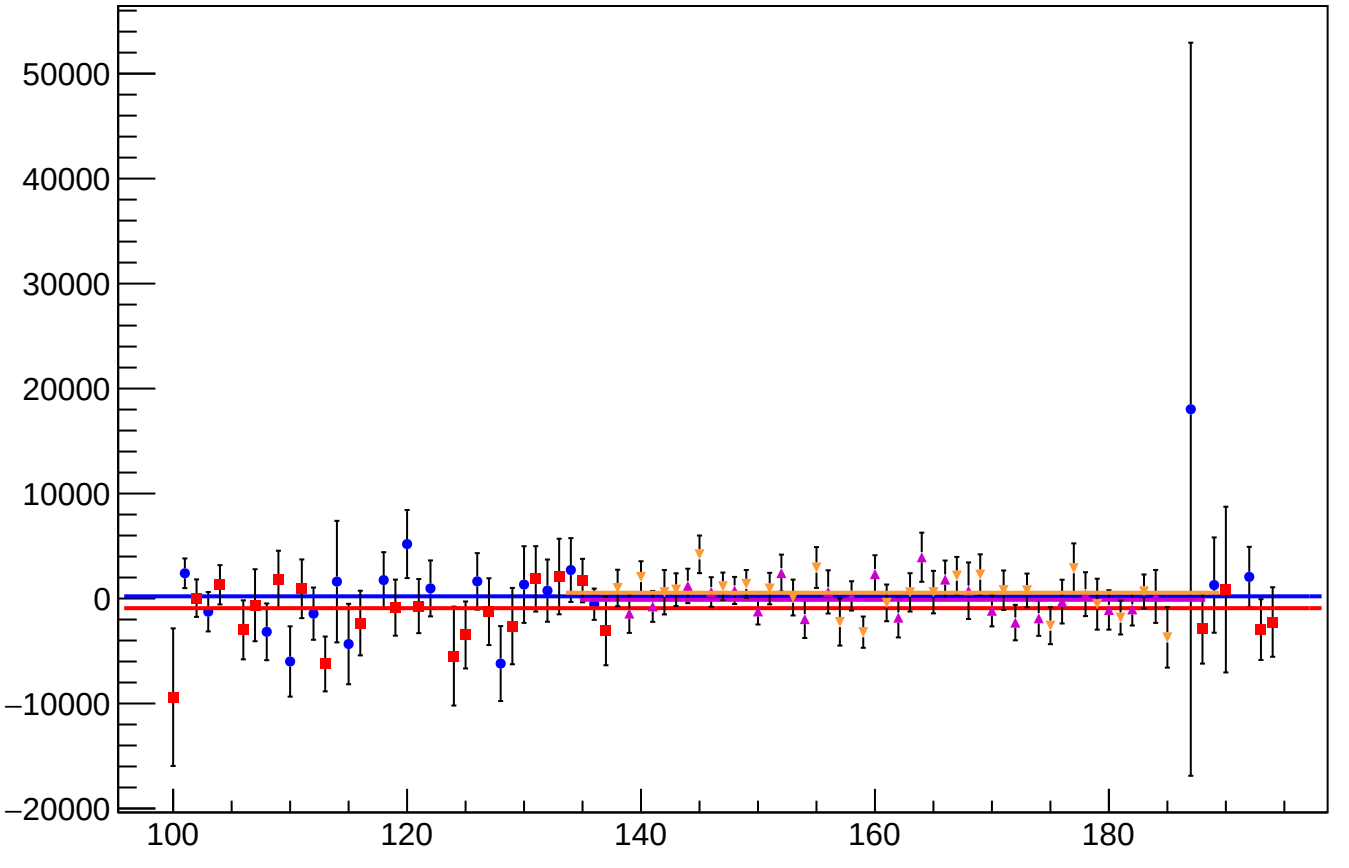
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1112.337+/-0.178 χ^2/NDF: 471257.0/42

In: 1095.129+/-0.149 χ^2/NDF:107063.9/41

Out: 1099.304+/-0.142 χ^2/NDF:382393.8/48

All: 1097.314+/-0.103 χ^2/NDF: 489871.2/90



Right In: 209.582+/-599.516 χ^2/NDF: 18.0/18

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: -919.008+/-600.117 χ^2/NDF: 16.1/22

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

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

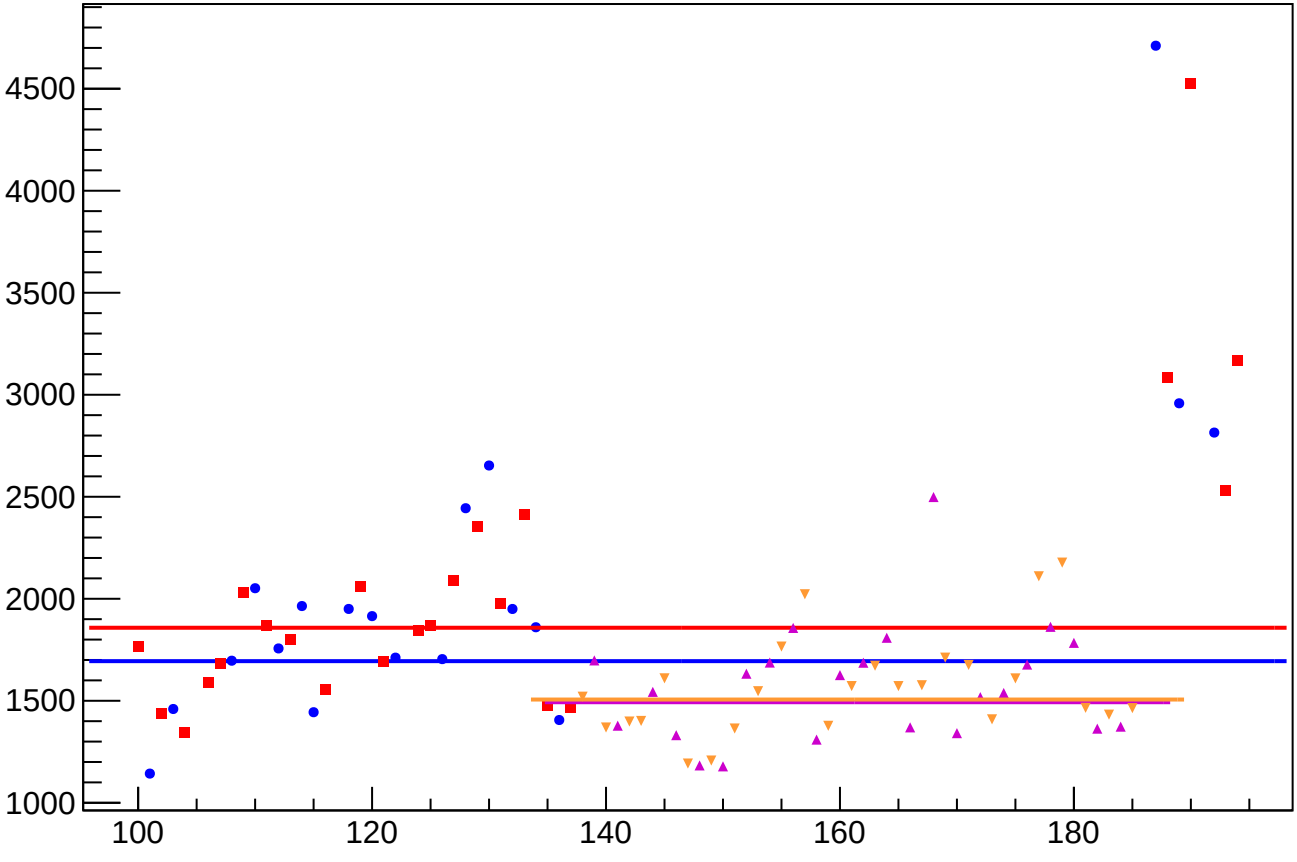
Right: -354.148+/-424.134 χ^2/NDF: 35.9/41

In: -35.655+/-305.171 χ^2/NDF:35.3/41

Out: 183.440+/-300.924 χ^2/NDF:46.7/47

All: 75.427+/-214.271 χ^2/NDF: 82.3/89

asym_usr_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 1694.282+/-0.424 χ^2/NDF: 1198763.7/18

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 1857.980+/-0.424 χ^2/NDF: 1448822.6/22

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

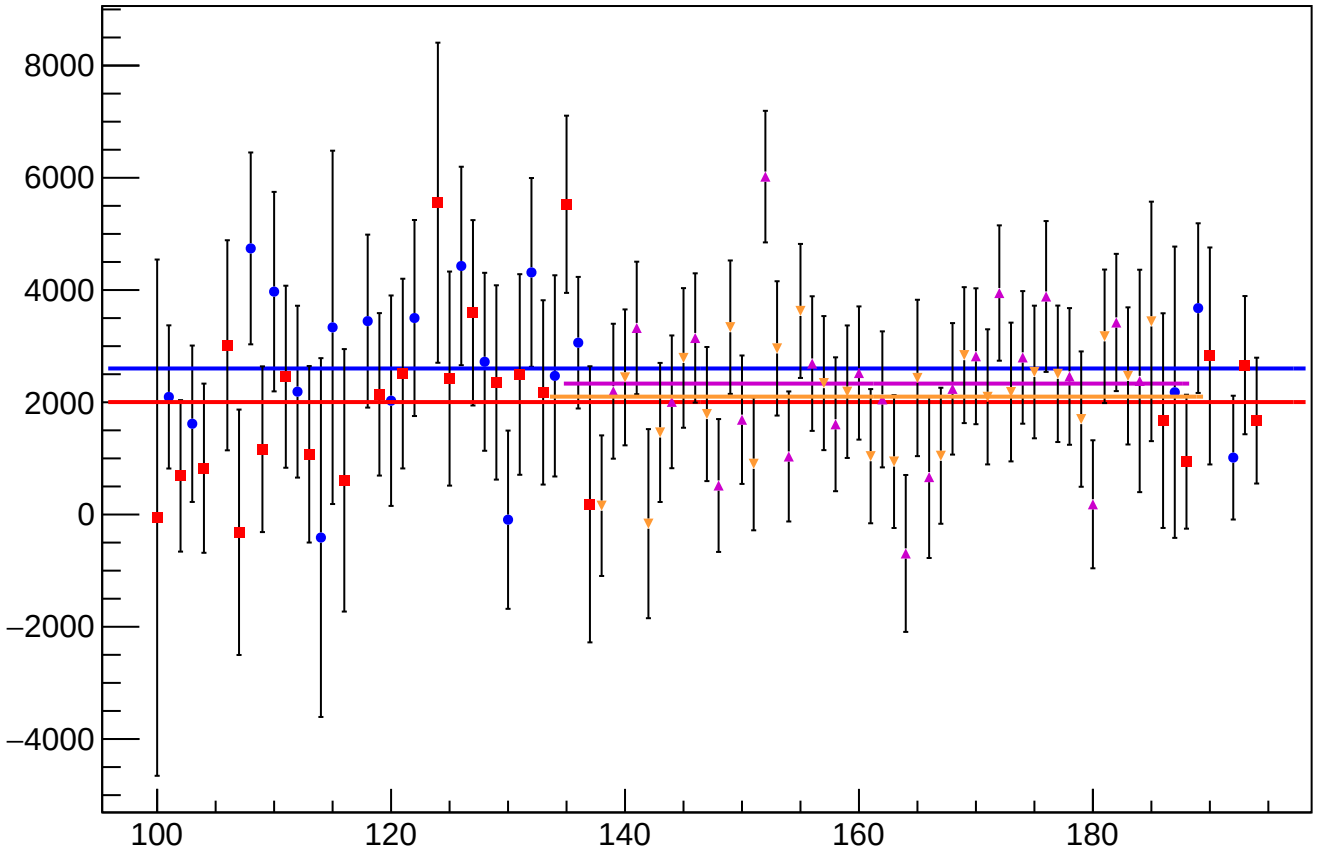
Left: 1499.665+/-0.176 χ^2/NDF: 1762156.9/47

Right: 1776.049+/-0.300 χ^2/NDF: 2722067.8/41

In: 1545.136+/-0.216 χ^2/NDF:2330189.9/41

Out: 1594.581+/-0.213 χ^2/NDF:2759934.8/47

All: 1570.205+/-0.152 χ^2/NDF: 5116743.5/89



Right In: 2602.338+/-368.560 χ^2/NDF: 12.2/18

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2003.833+/-336.504 χ^2/NDF: 13.9/23

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

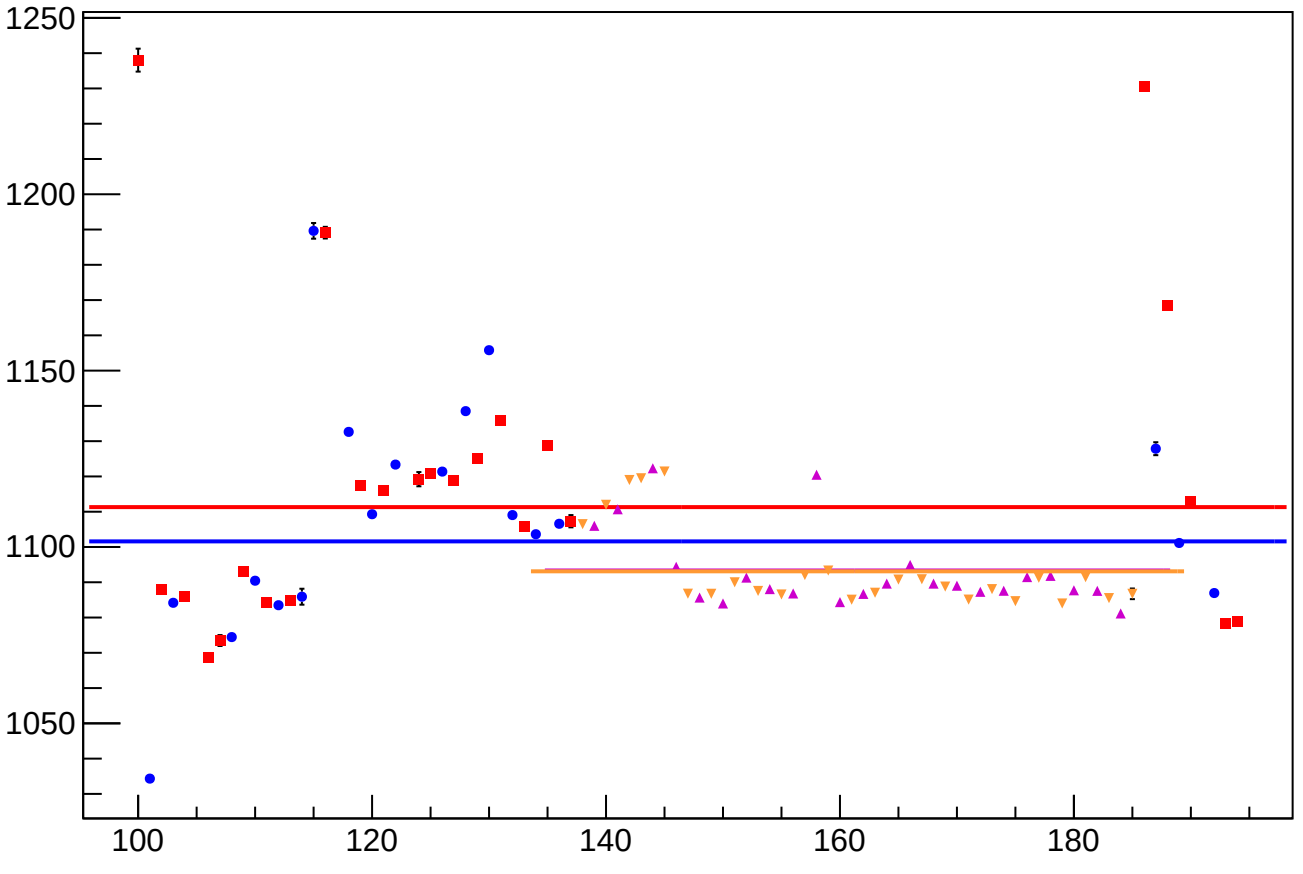
Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

Right: 2275.931+/-248.506 χ^2/NDF: 27.6/42

In: 2420.294+/-209.859 χ^2/NDF:42.1/41

Out: 2066.355+/-199.800 χ^2/NDF:27.8/48

All: 2234.639+/-144.705 χ^2/NDF: 71.4/90



Right In: 1101.588+/-0.261 χ^2/NDF: 13804.9/18

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1111.306+/-0.238 χ^2/NDF: 24357.9/23

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

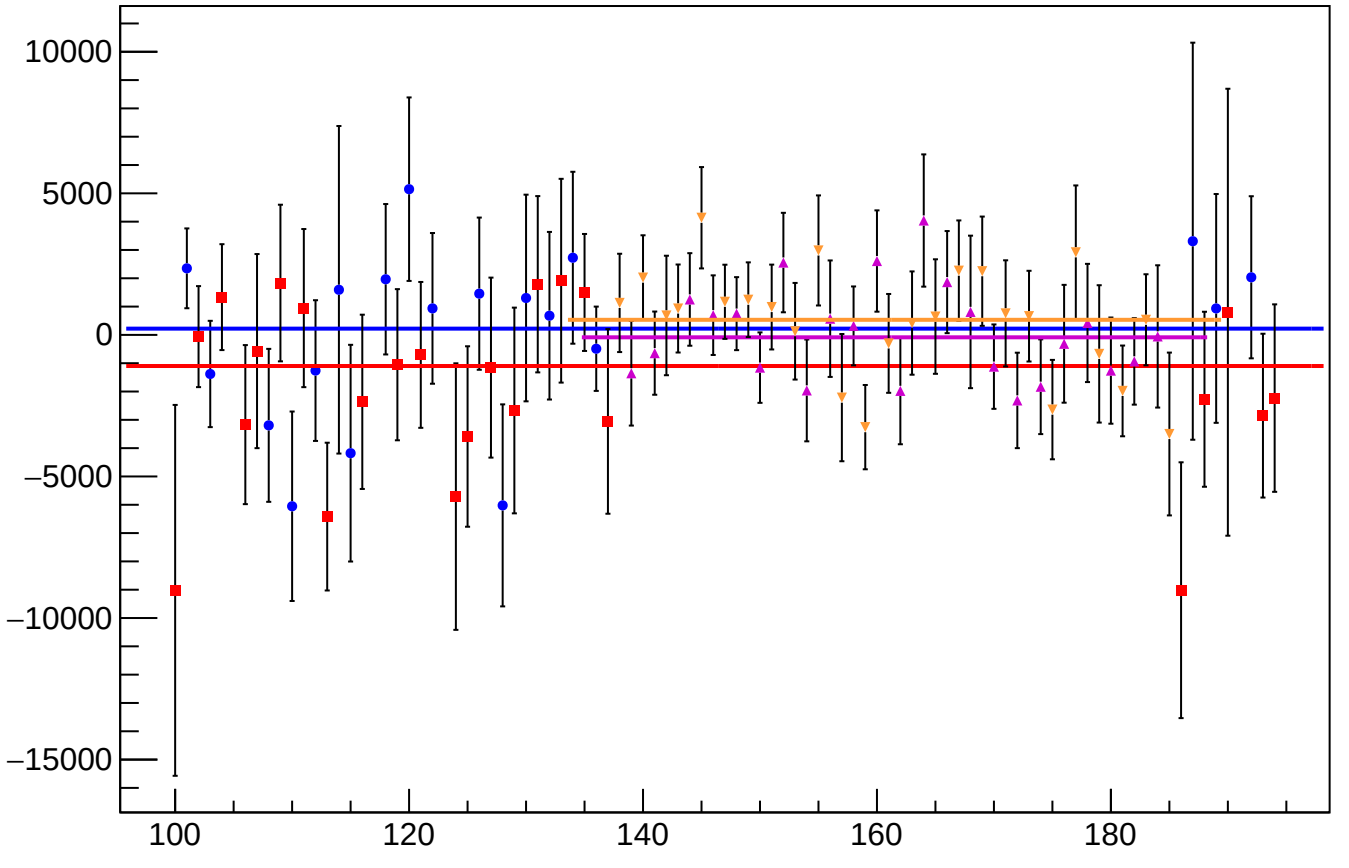
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1106.888+/-0.176 χ^2/NDF: 38921.1/42

In: 1096.013+/-0.148 χ^2/NDF:18207.8/41

Out: 1099.520+/-0.141 χ^2/NDF:32130.6/48

All: 1097.852+/-0.102 χ^2/NDF: 50631.3/90



Right In: 221.209+/-595.373 χ^2/NDF: 17.6/18

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1098.858+/-592.850 χ^2/NDF: 19.1/23

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

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

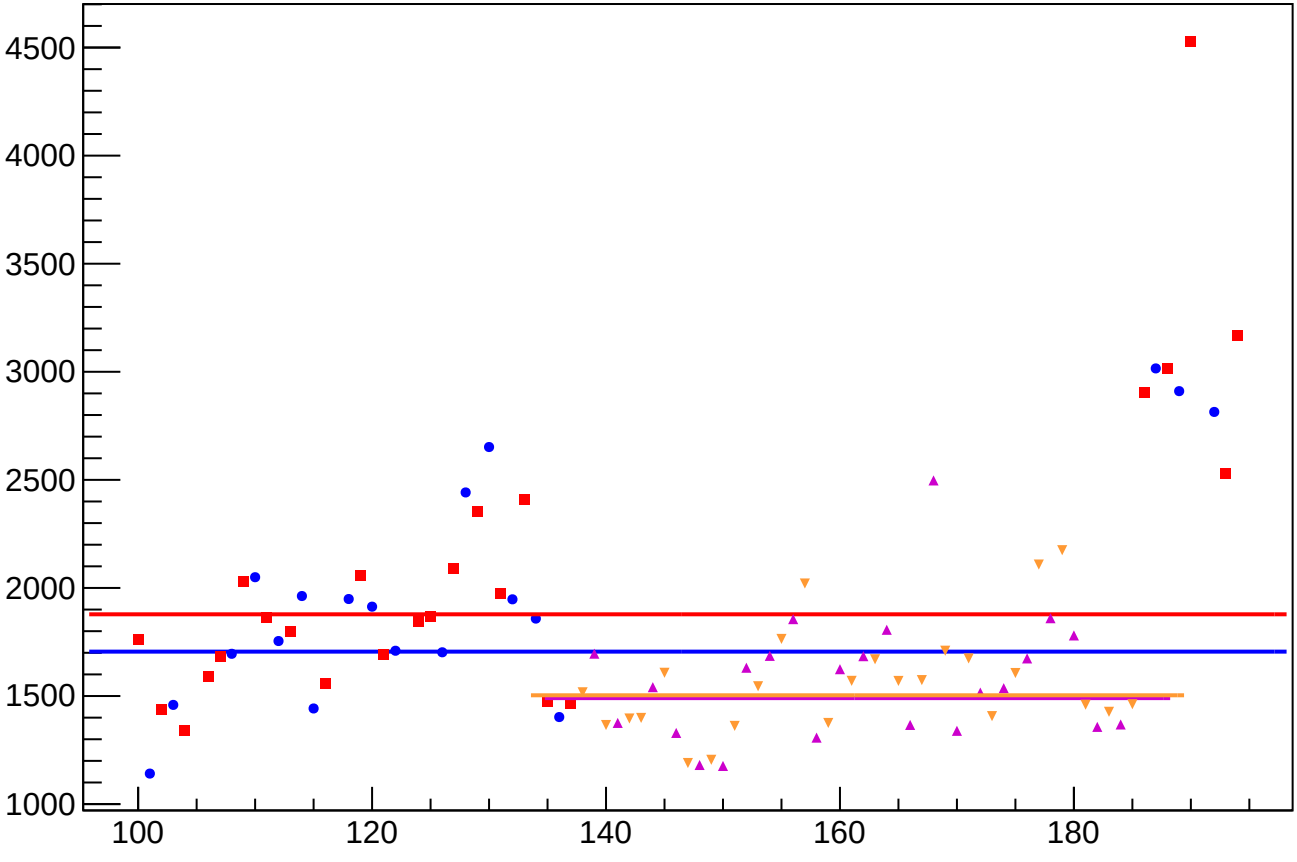
Right: -441.627+/-420.098 χ^2/NDF: 39.1/42

In: -5.286+/-304.235 χ^2/NDF:35.8/41

Out: 116.190+/-299.617 χ^2/NDF:51.2/48

All: 56.381+/-213.475 χ^2/NDF: 87.1/90

asym_usr_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1705.387+/-0.421 χ^2/NDF: 1283912.8/18

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1878.061+/-0.419 χ^2/NDF: 1566552.9/23

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

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

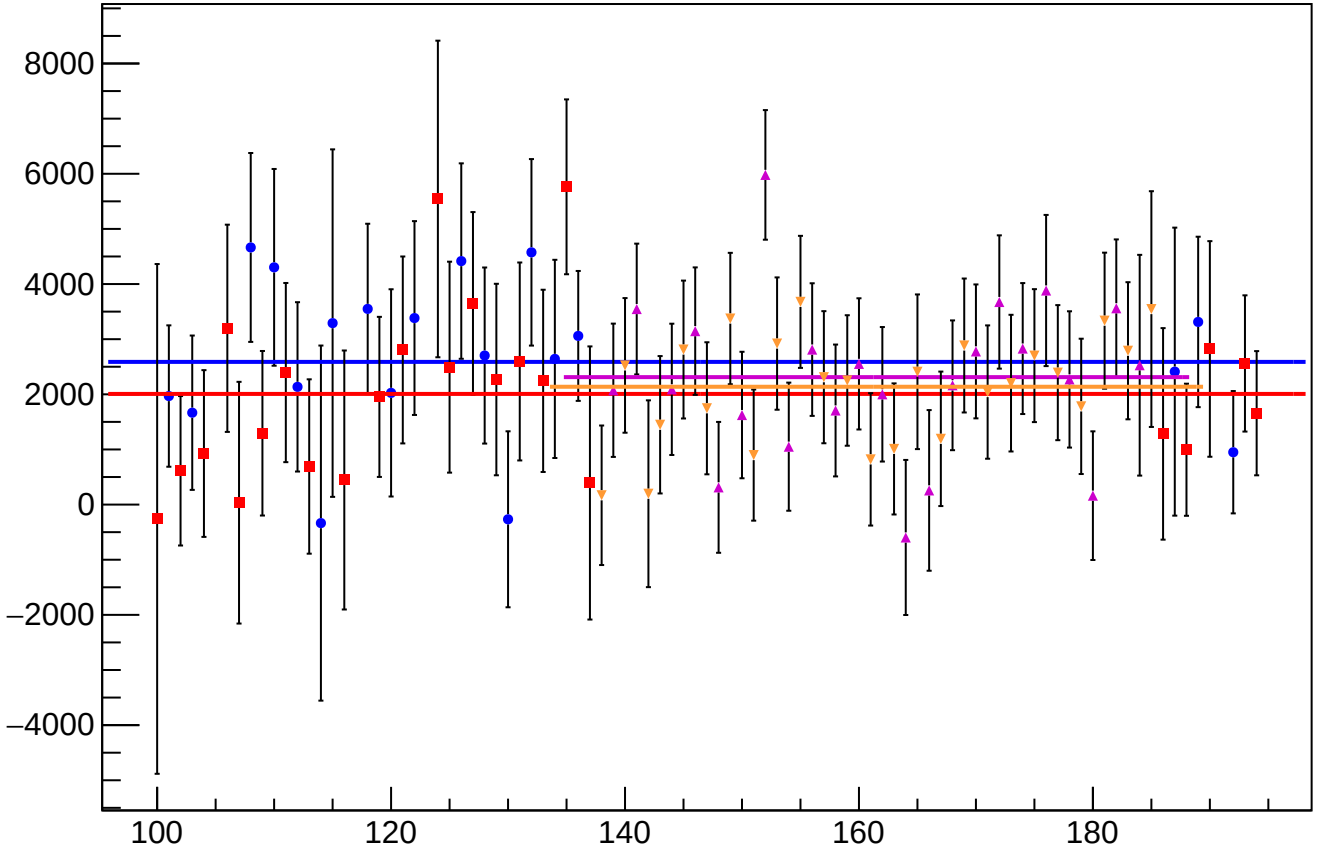
Right: 1792.091+/-0.297 χ^2/NDF: 2934938.7/42

In: 1546.474+/-0.215 χ^2/NDF:2444973.8/41

Out: 1599.121+/-0.212 χ^2/NDF:2960855.1/48

All: 1573.200+/-0.151 χ^2/NDF: 5436231.8/90

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2588.185+/-370.589 χ^2/NDF: 12.9/18

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: 2007.195+/-338.013 χ^2/NDF: 14.7/23

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.119+/-179.284 χ^2/NDF: 44.1/47

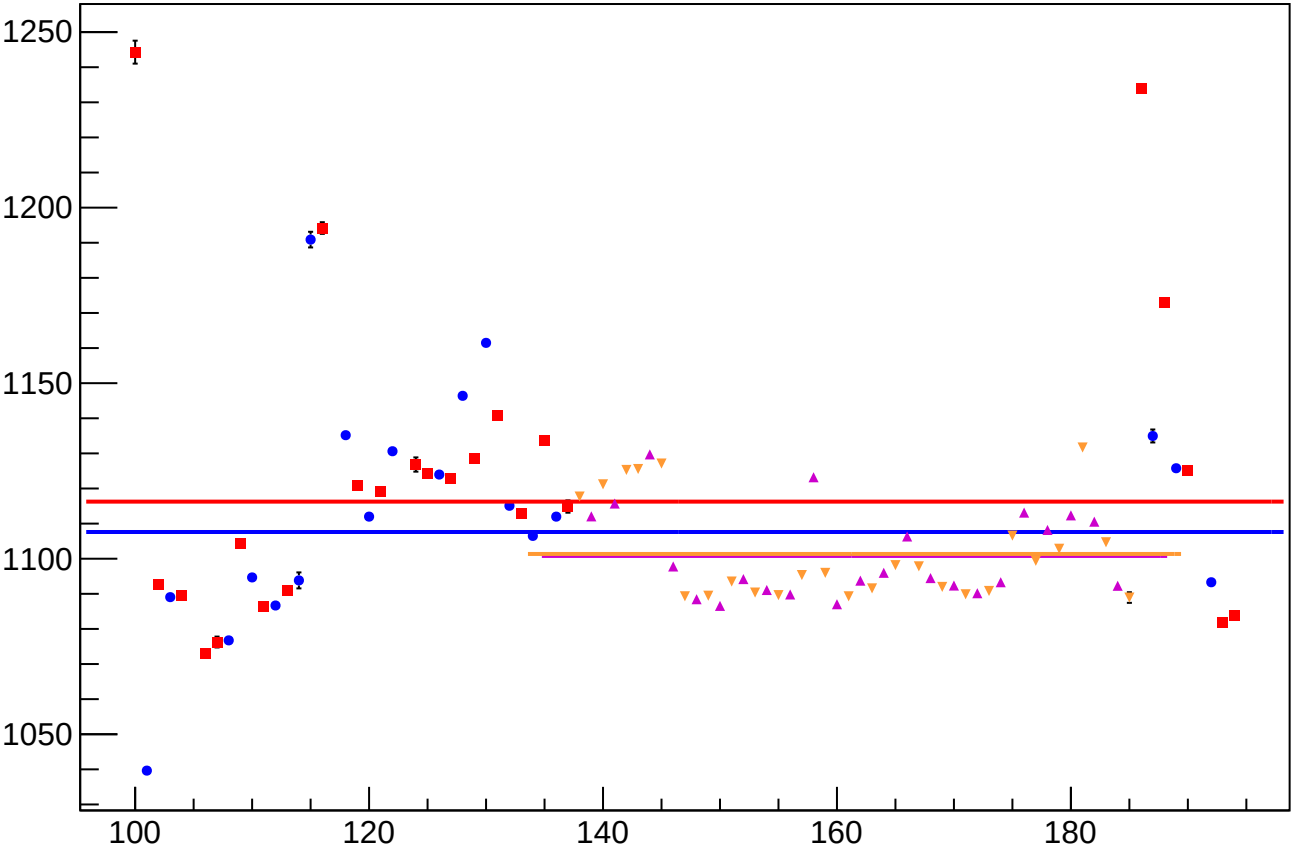
Right: 2271.037+/-249.735 χ^2/NDF: 29.0/42

In: 2401.546+/-211.206 χ^2/NDF:43.2/41

Out: 2091.174+/-201.098 χ^2/NDF:28.8/48

All: 2238.756+/-145.640 χ^2/NDF: 73.1/90

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.610+/-0.262 χ^2/NDF: 14049.2/18

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1116.262+/-0.239 χ^2/NDF: 24146.9/23

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

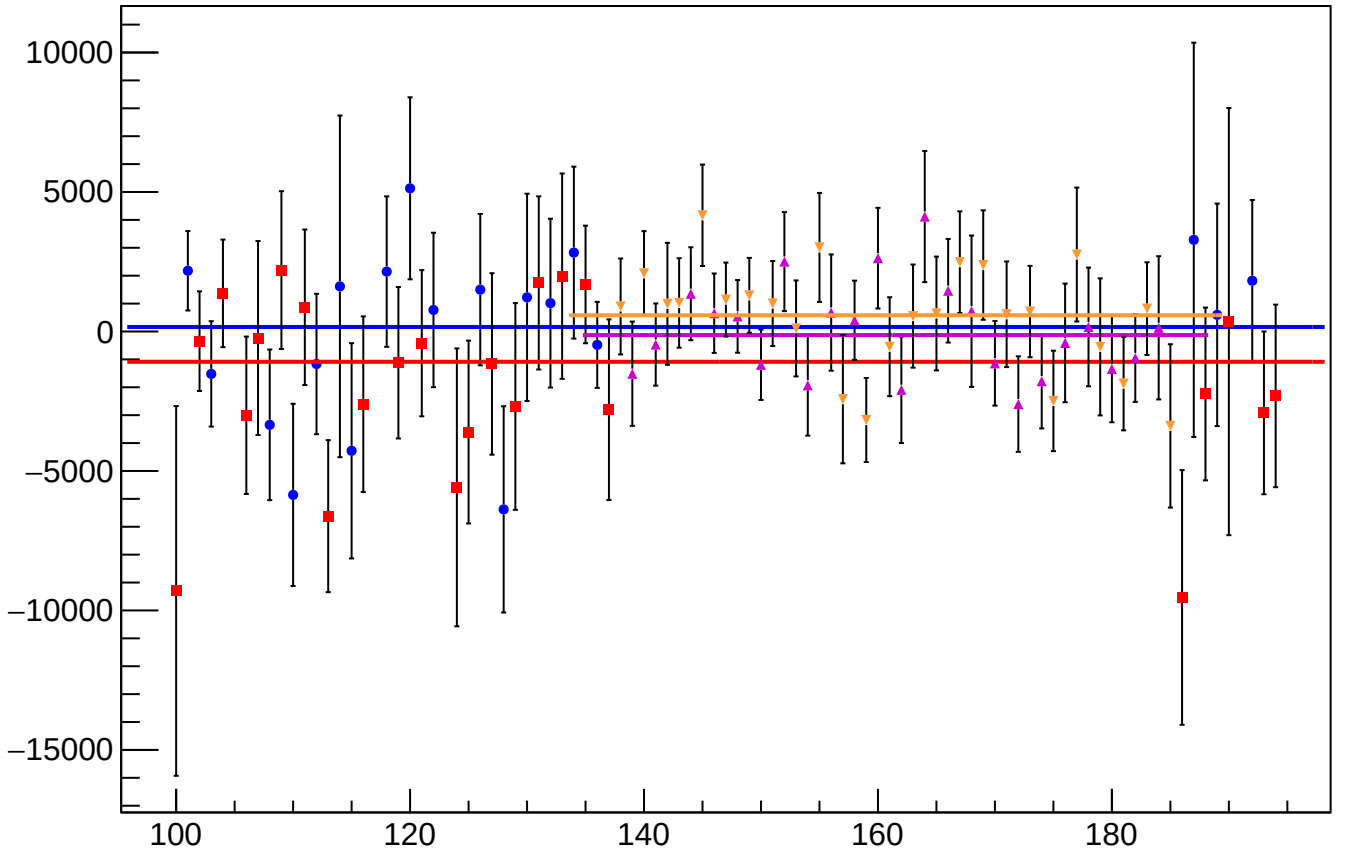
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1112.333+/-0.177 χ^2/NDF: 38791.0/42

In: 1103.007+/-0.149 χ^2/NDF:19147.9/41

Out: 1106.630+/-0.142 χ^2/NDF:32611.1/48

All: 1104.907+/-0.103 χ^2/NDF: 52067.7/90



Right In: 161.323+/-604.408 χ^2/NDF: 17.4/18

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: -1086.641+/-601.576 χ^2/NDF: 19.4/23

Left In: -128.769+/-359.128 χ^2/NDF:17.9/22

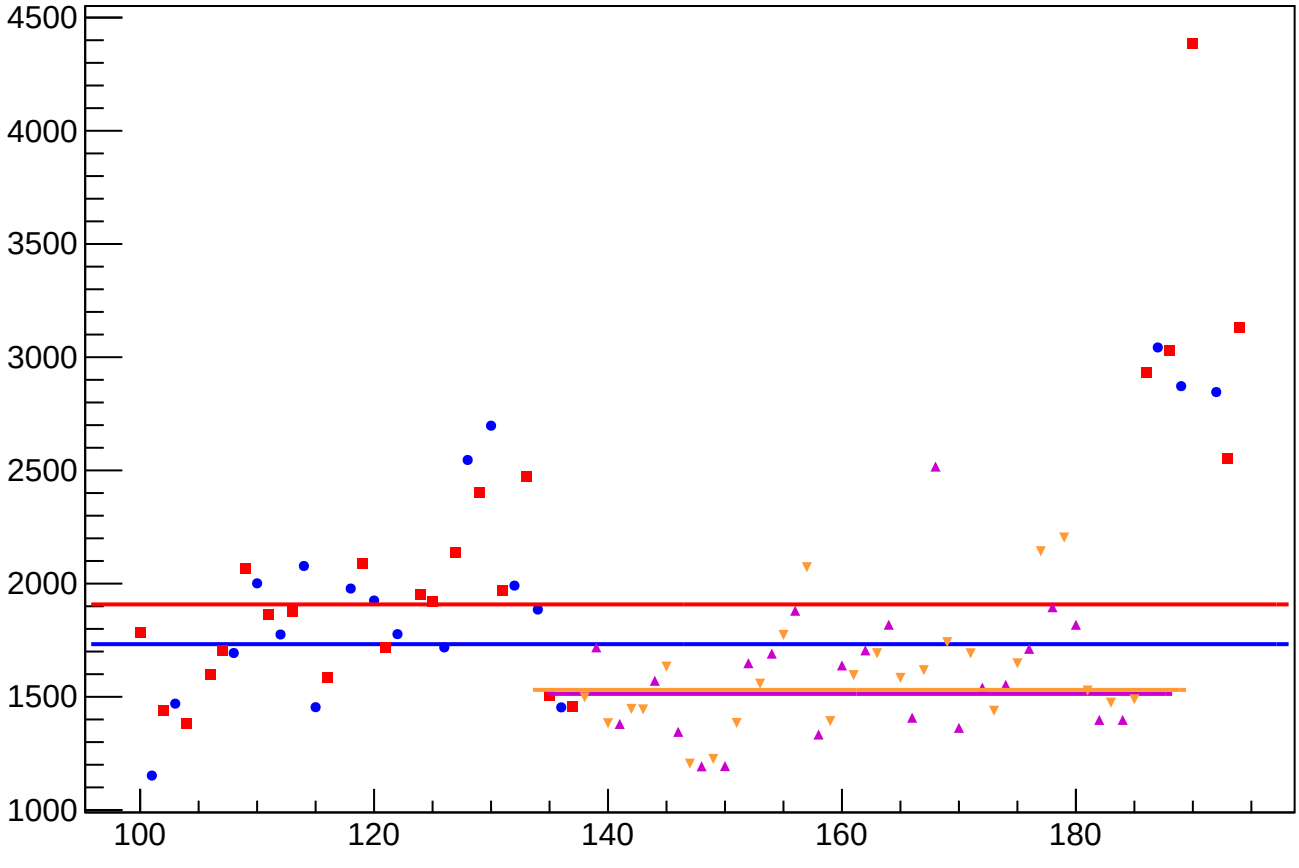
Left: 232.050+/-251.888 χ^2/NDF: 45.2/47

Right: -465.589+/-426.376 χ^2/NDF: 39.0/42

In: -53.075+/-308.740 χ^2/NDF:35.5/41

Out: 153.481+/-304.704 χ^2/NDF:50.5/48

All: 51.562+/-216.871 χ^2/NDF: 86.2/90



Right In: 1732.588+/-0.427 χ^2/NDF: 1271427.4/18

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 1908.159+/-0.425 χ^2/NDF: 1518523.1/23

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

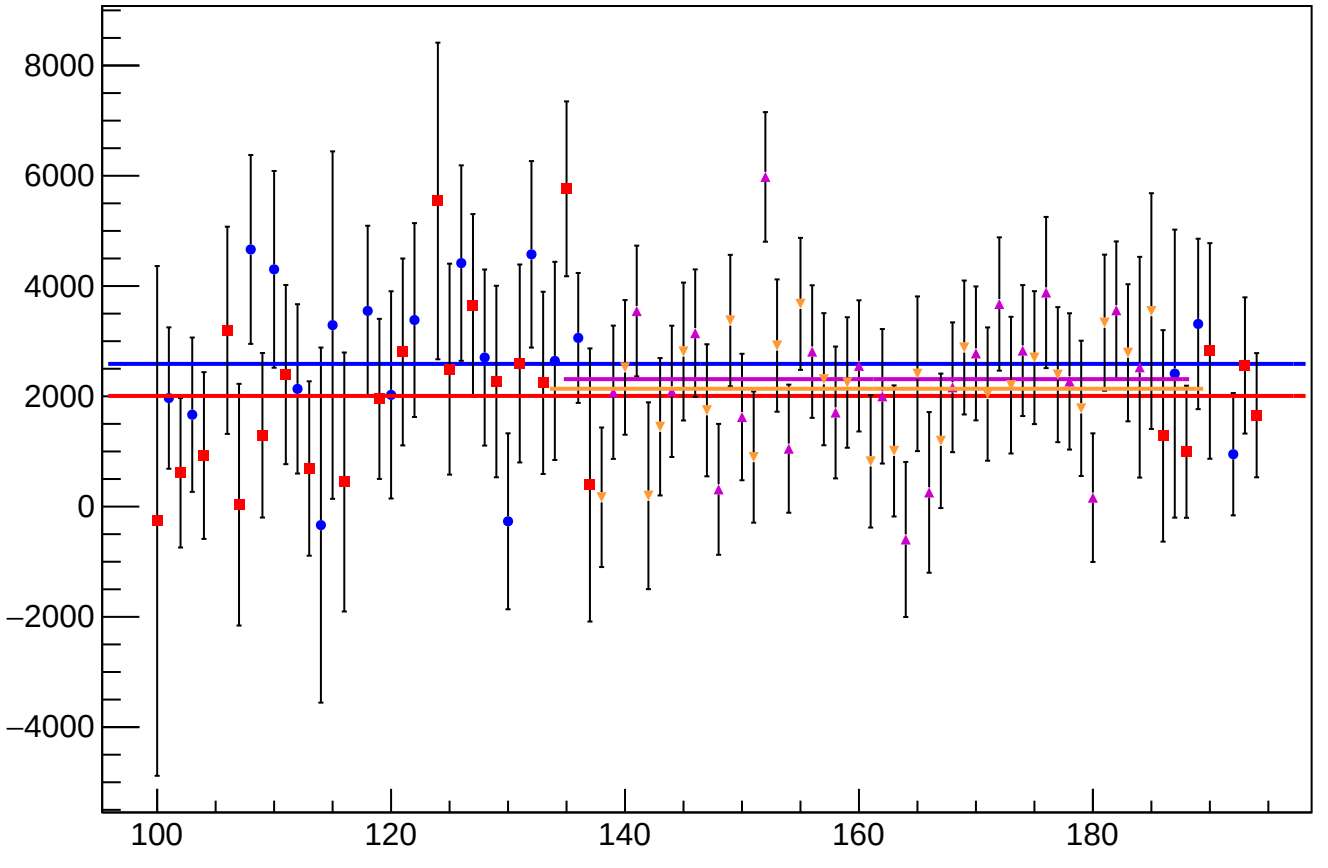
Left: 1521.999+/-0.178 χ^2/NDF: 1755195.1/47

Right: 1820.786+/-0.301 χ^2/NDF: 2874727.6/42

In: 1570.258+/-0.218 χ^2/NDF:2423688.7/41

Out: 1627.586+/-0.215 χ^2/NDF:2899340.3/48

All: 1599.299+/-0.153 χ^2/NDF: 5357960.7/90



Right In: 2588.184+/-370.589 χ^2/NDF: 12.9/18

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: 2007.197+/-338.013 χ^2/NDF: 14.7/23

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.118+/-179.284 χ^2/NDF: 44.1/47

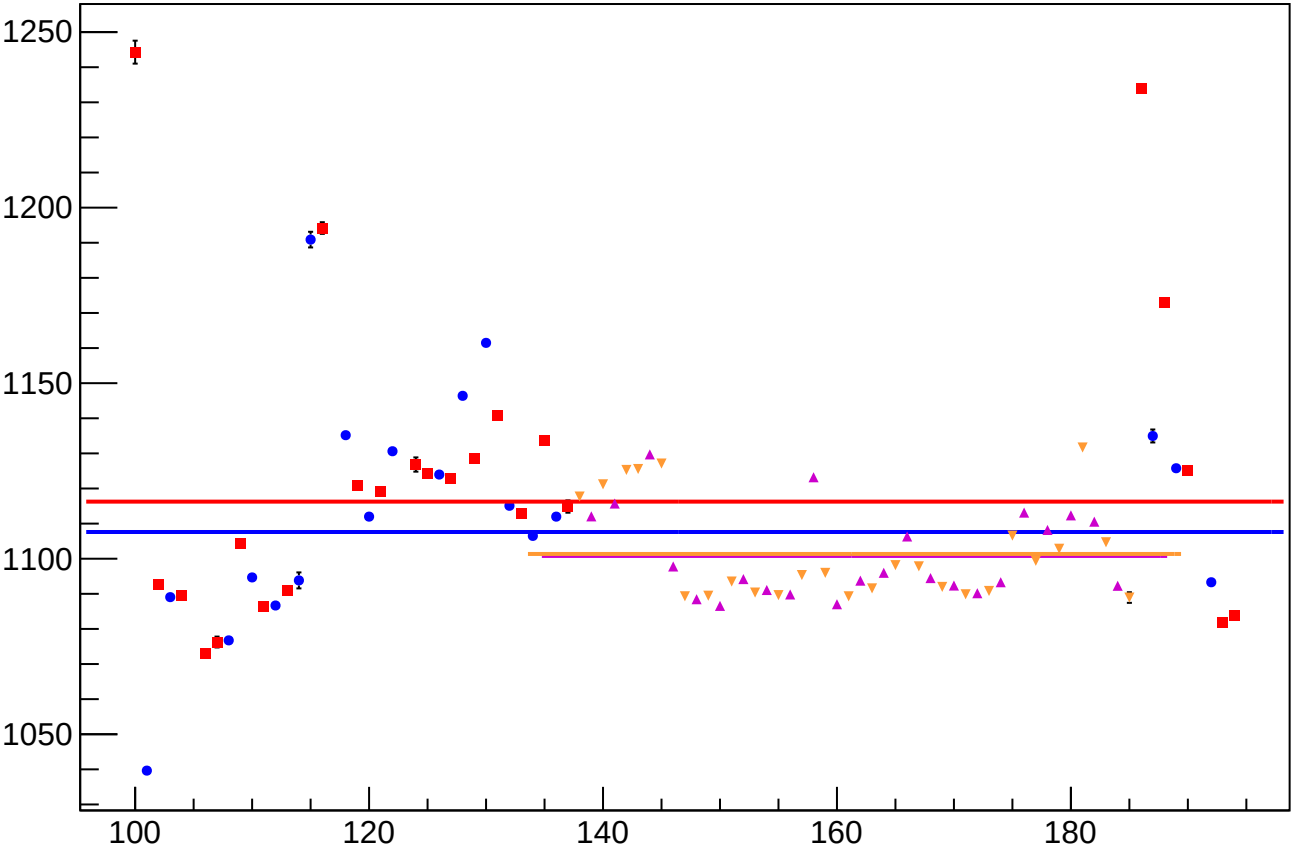
Right: 2271.037+/-249.735 χ^2/NDF: 29.0/42

In: 2401.545+/-211.206 χ^2/NDF:43.2/41

Out: 2091.173+/-201.098 χ^2/NDF:28.8/48

All: 2238.755+/-145.640 χ^2/NDF: 73.1/90

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.610+/-0.262 χ^2/NDF: 14049.1/18

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1116.262+/-0.239 χ^2/NDF: 24146.9/23

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

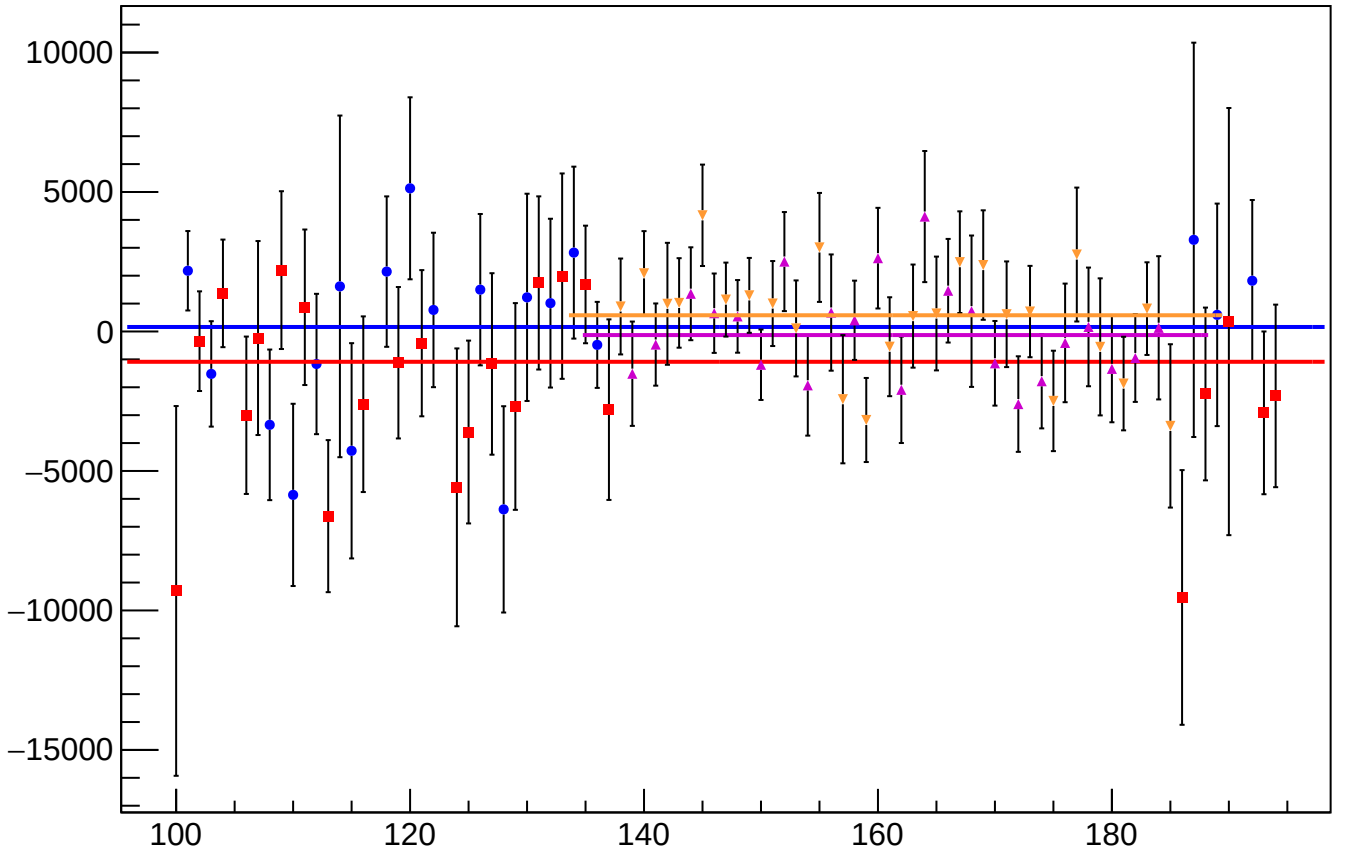
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1112.333+/-0.177 χ^2/NDF: 38791.0/42

In: 1103.007+/-0.149 χ^2/NDF:19147.8/41

Out: 1106.630+/-0.142 χ^2/NDF:32611.0/48

All: 1104.907+/-0.103 χ^2/NDF: 52067.5/90



Right In: 161.320+/-604.407 χ^2/NDF: 17.4/18

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: -1086.643+/-601.575 χ^2/NDF: 19.4/23

Left In: -128.769+/-359.129 χ^2/NDF:17.9/22

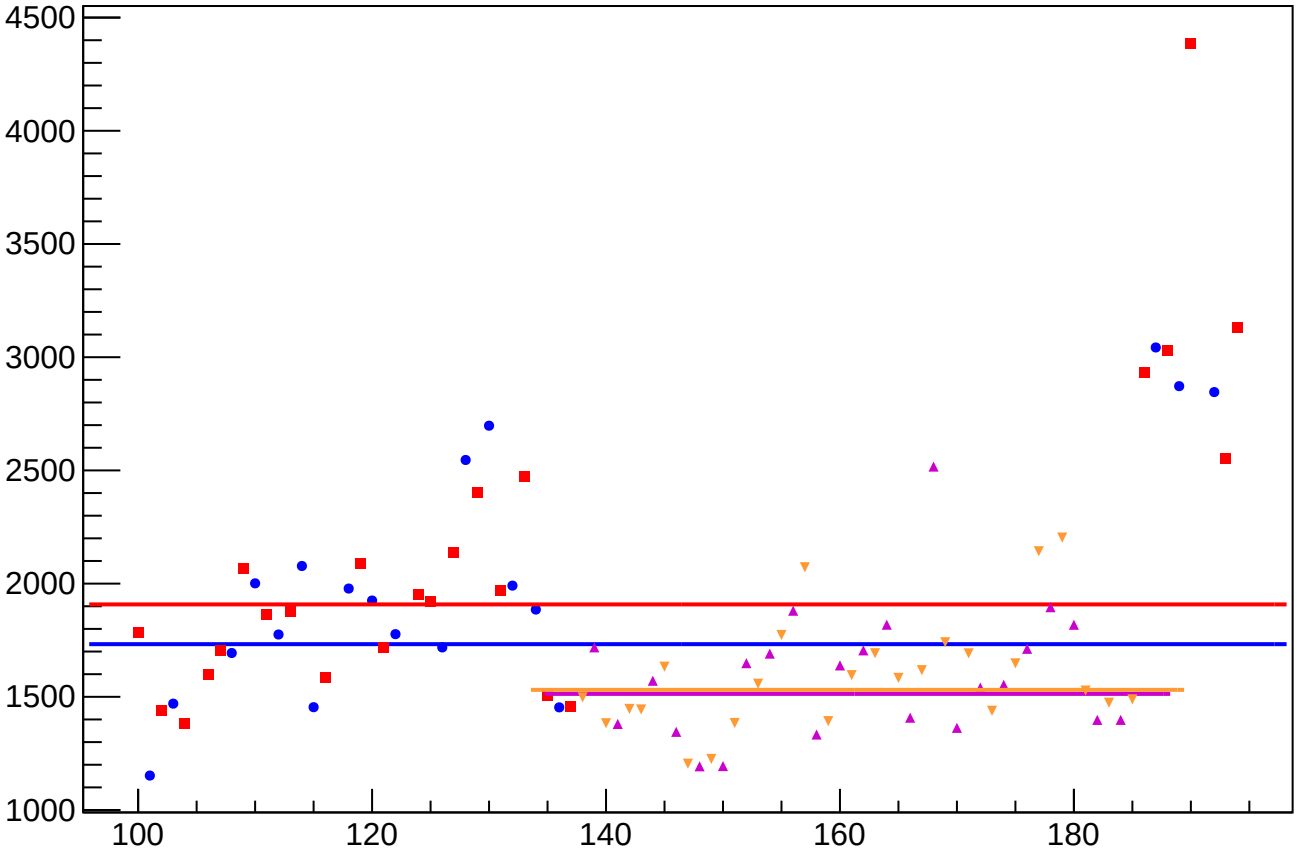
Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

Right: -465.592+/-426.376 χ^2/NDF: 39.0/42

In: -53.076+/-308.740 χ^2/NDF:35.5/41

Out: 153.477+/-304.704 χ^2/NDF:50.5/48

All: 51.559+/-216.871 χ^2/NDF: 86.2/90



Right In: 1732.586+/-0.427 χ^2/NDF: 1271413.1/18

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

Right Out: 1908.157+/-0.425 χ^2/NDF: 1518506.4/23

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

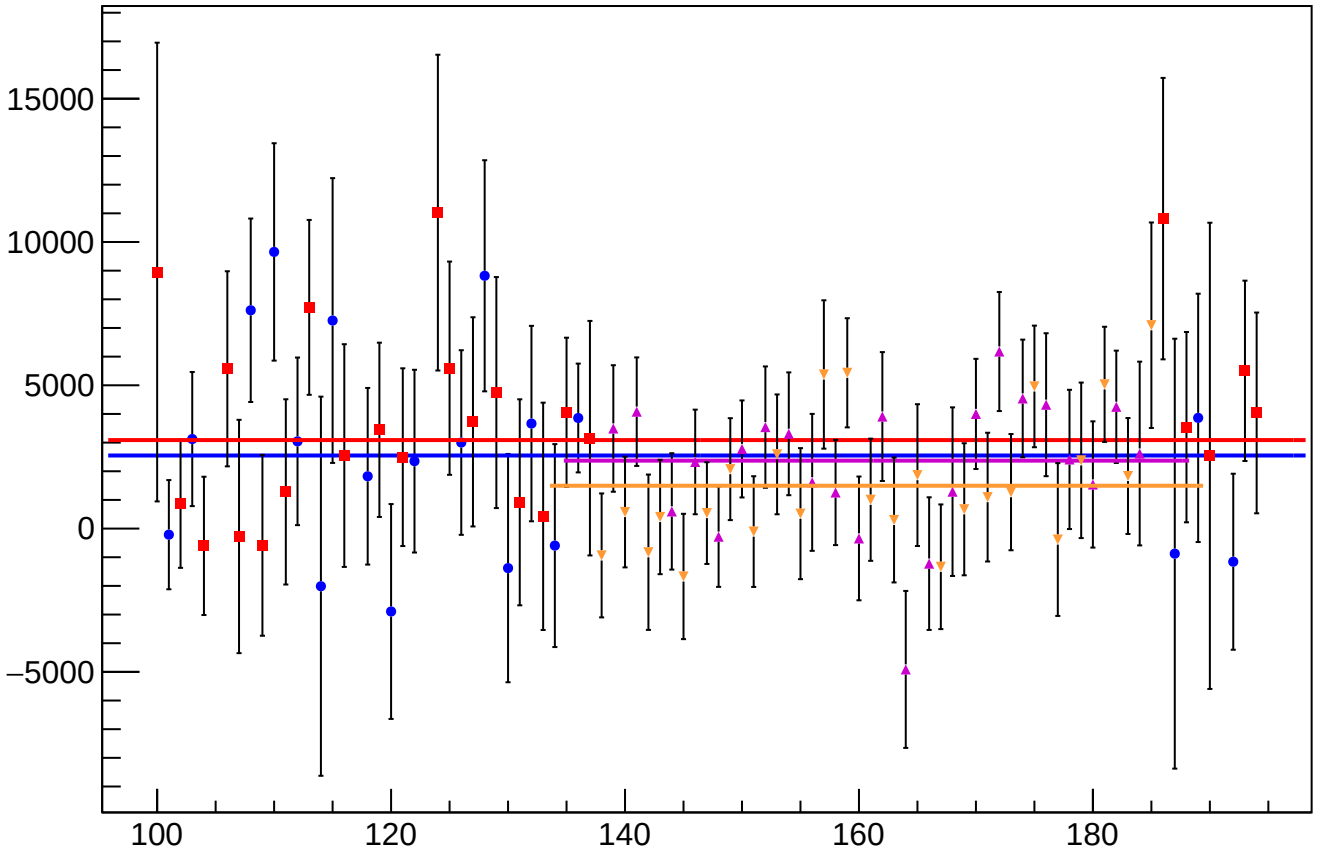
Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

Right: 1820.784+/-0.301 χ^2/NDF: 2874697.3/42

In: 1570.261+/-0.218 χ^2/NDF:2423669.7/41

Out: 1627.589+/-0.215 χ^2/NDF:2899310.4/48

All: 1599.302+/-0.153 χ^2/NDF: 5357912.2/90



Right In: 2549.767+/-721.376 χ^2/NDF: 18.3/18

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: 3088.074+/-700.970 χ^2/NDF: 16.0/23

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

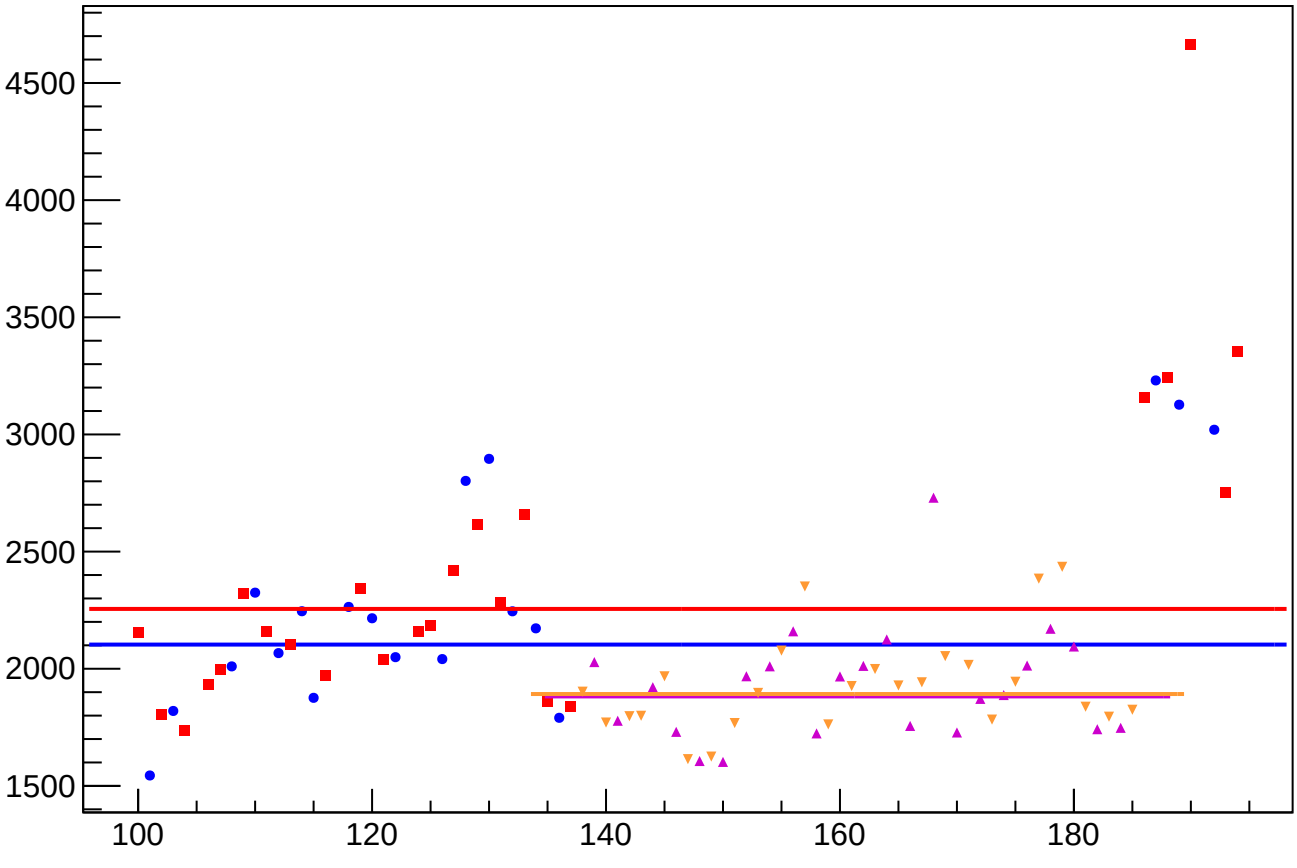
Left: 1923.108+/-309.708 χ^2/NDF: 49.5/47

Right: 2826.642+/-502.720 χ^2/NDF: 34.5/42

In: 2419.725+/-377.471 χ^2/NDF:42.0/41

Out: 1935.291+/-368.505 χ^2/NDF:43.5/48

All: 2171.686+/-263.685 χ^2/NDF: 86.3/90



Right In: 2103.135+/-0.510 χ^2/NDF: 756646.7/18

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

Right Out: 2255.341+/-0.496 χ^2/NDF: 1005630.9/23

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

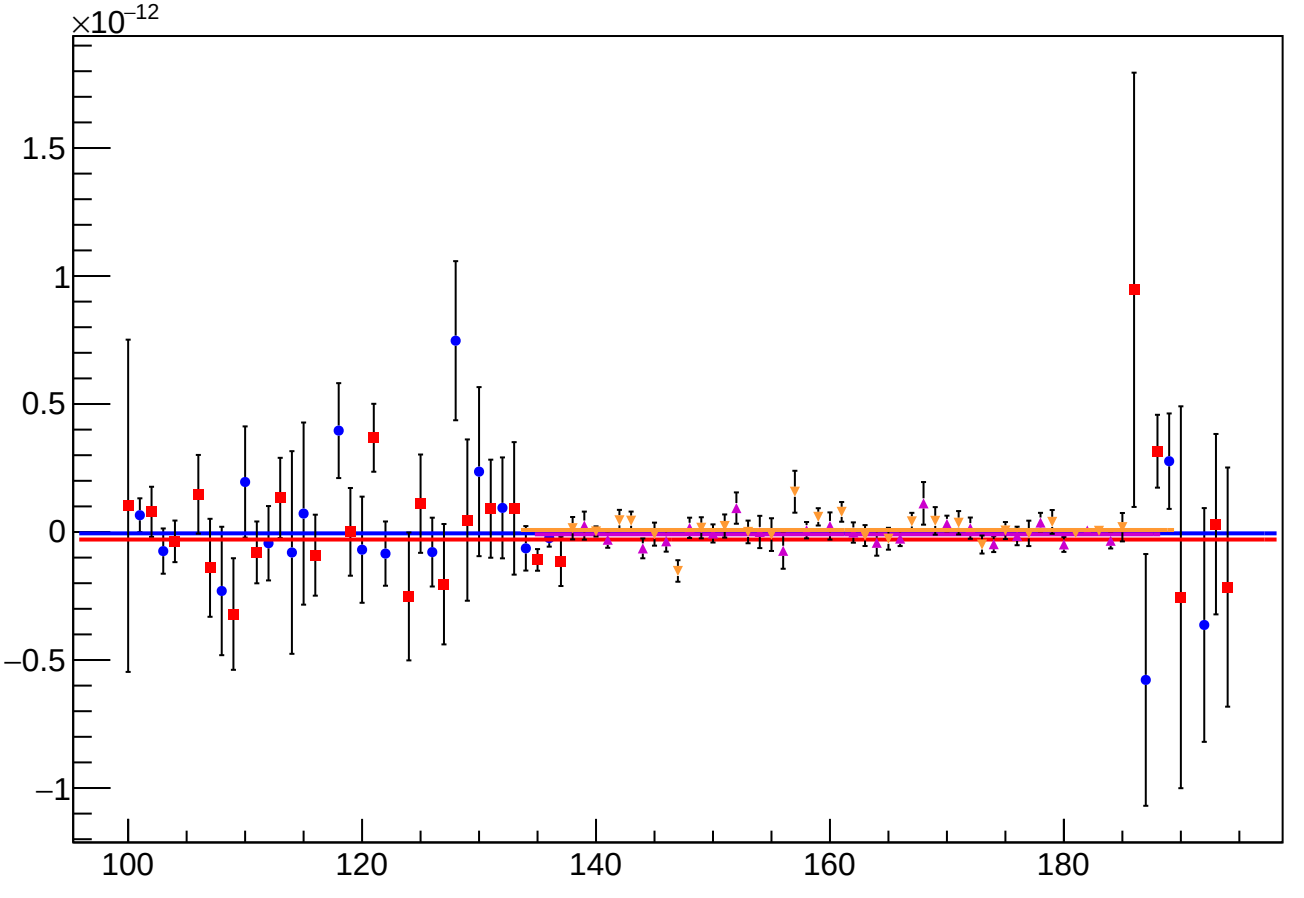
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2181.421+/-0.355 χ^2/NDF: 1808073.1/42

In: 1942.469+/-0.267 χ^2/NDF:1355921.3/41

Out: 1992.500+/-0.261 χ^2/NDF:1783874.3/48

All: 1968.086+/-0.186 χ^2/NDF: 3157785.4/90



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/23

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

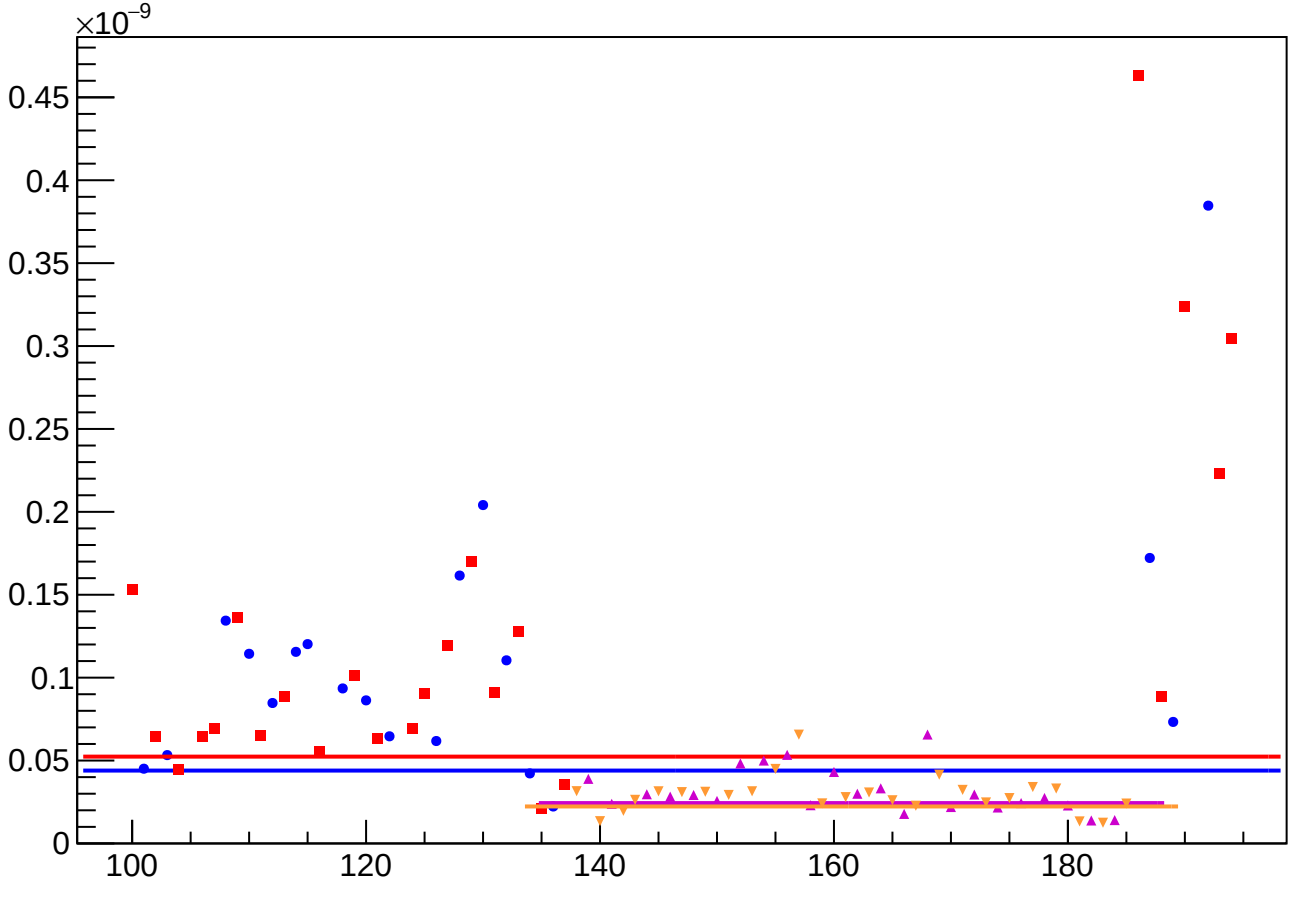
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 50.7/42

In: -0.000+/-0.000 χ^2/NDF:39.8/41

Out: 0.000+/-0.000 χ^2/NDF:63.7/48

All: -0.000+/-0.000 χ^2/NDF: 105.7/90



Right In: 0.000+/-0.000 χ^2/NDF: 4243654.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4564748.8/23

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

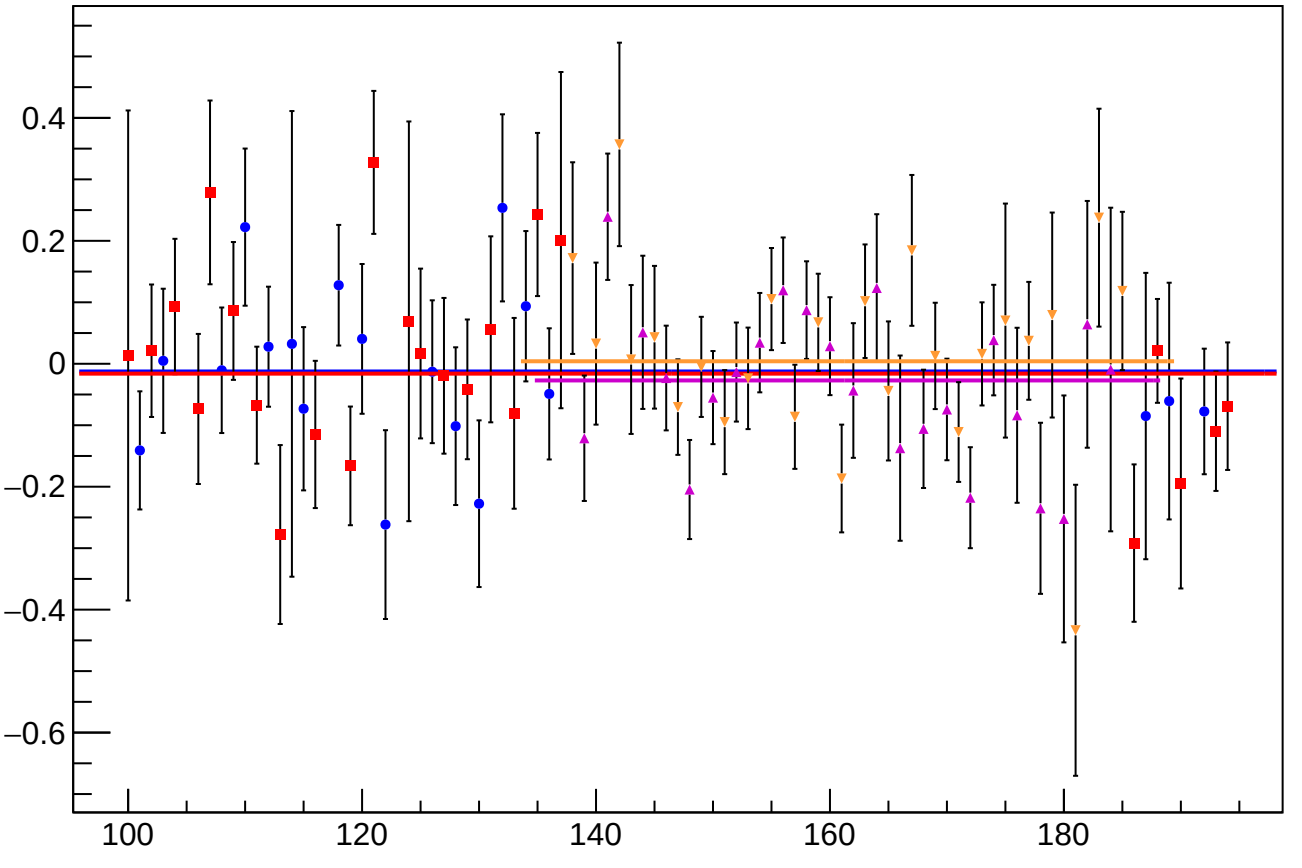
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 8919513.2/42

In: 0.000+/-0.000 χ^2/NDF:8582398.1/41

Out: 0.000+/-0.000 χ^2/NDF:10622900.6/48

All: 0.000+/-0.000 χ^2/NDF: 19278254.4/90



Right In: -0.013+/-0.028 χ^2/NDF: 17.9/18

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.016+/-0.025 χ^2/NDF: 33.5/23

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

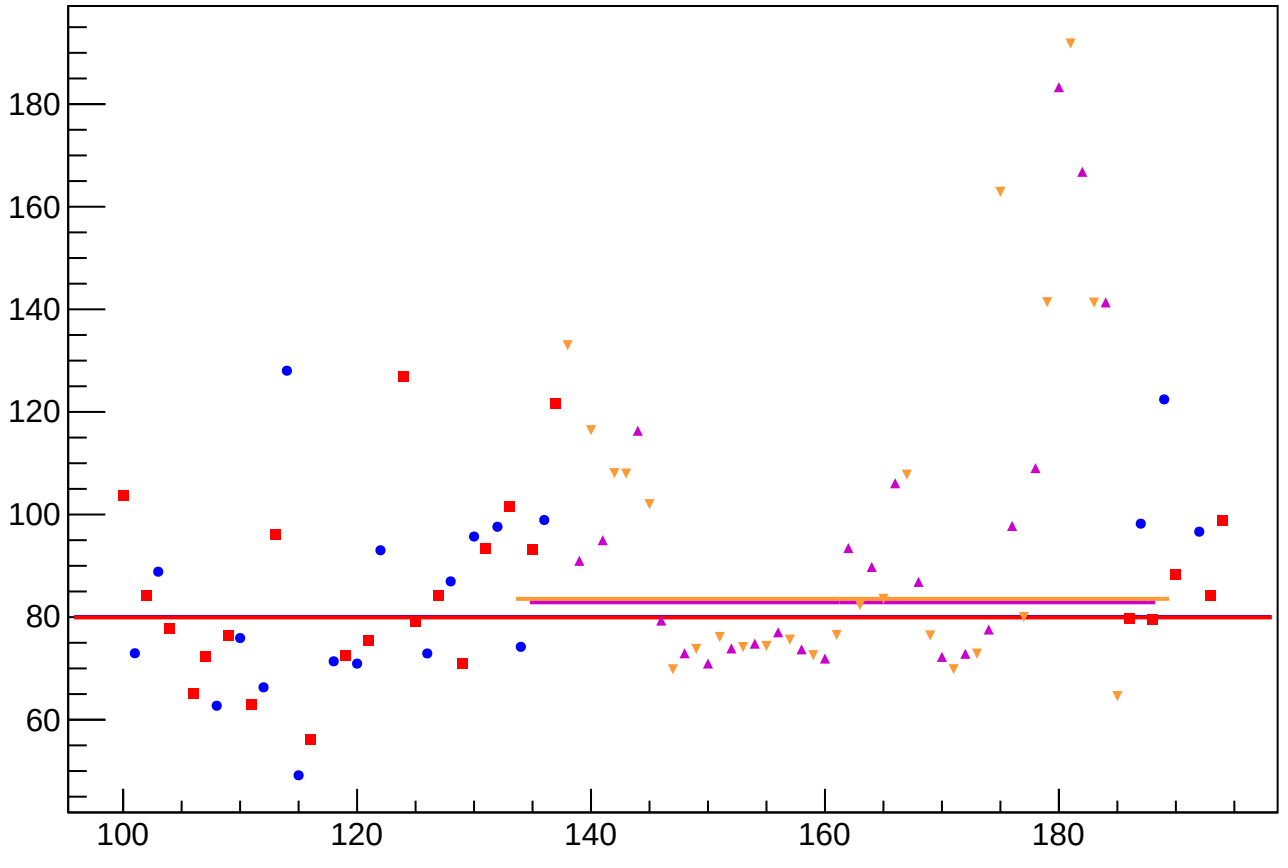
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.014+/-0.019 χ^2/NDF: 51.5/42

In: -0.022+/-0.017 χ^2/NDF:50.1/41

Out: -0.004+/-0.016 χ^2/NDF:62.1/48

All: -0.013+/-0.011 χ^2/NDF: 112.8/90



Right In: 80.033+/-0.020 χ^2/NDF: 598511.0/18

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 79.944+/-0.018 χ^2/NDF: 481548.0/23

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

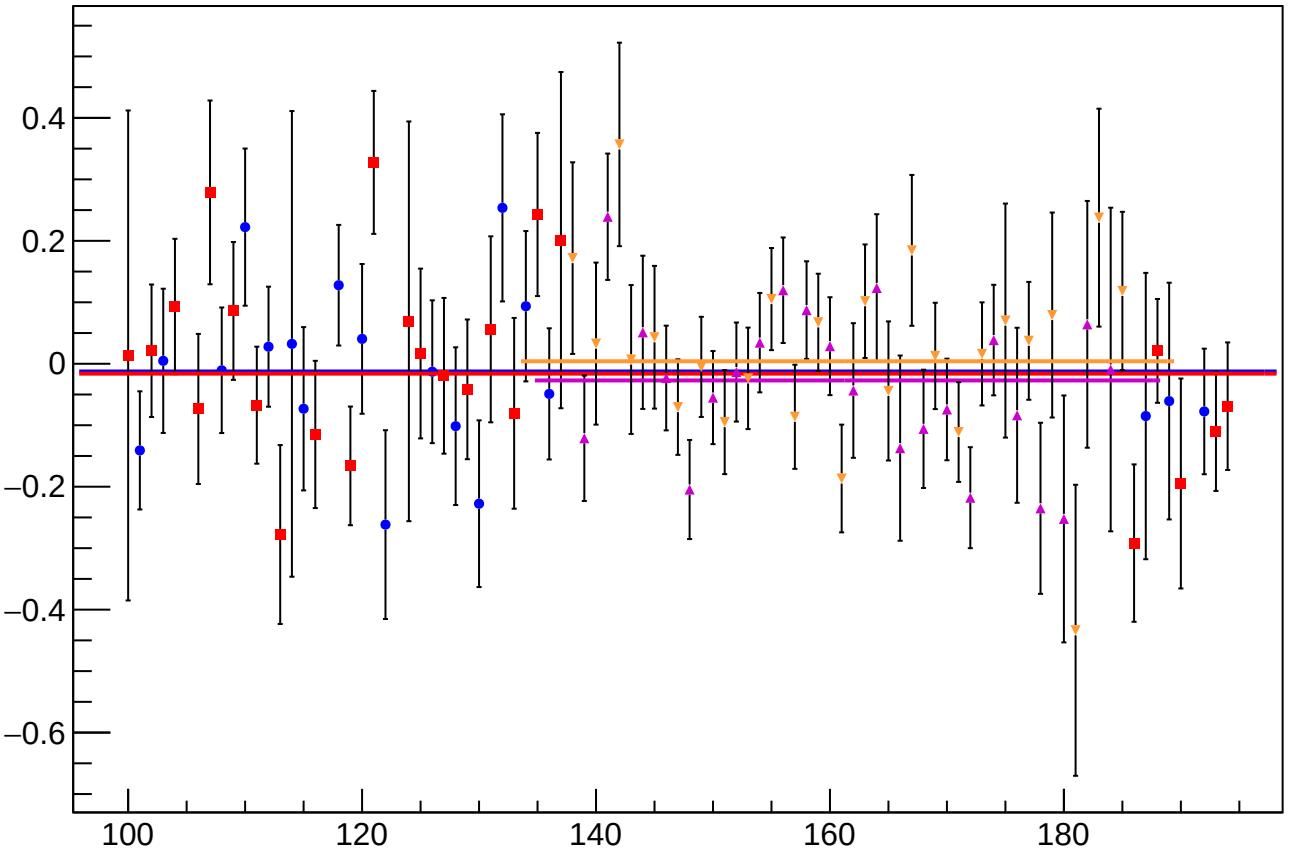
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 79.984+/-0.013 χ^2/NDF: 1080069.9/42

In: 81.904+/-0.012 χ^2/NDF:2184865.0/41

Out: 82.144+/-0.011 χ^2/NDF:2679423.5/48

All: 82.030+/-0.008 χ^2/NDF: 4864507.1/90



Right In: -0.013+/-0.028 χ^2/NDF: 17.9/18

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.016+/-0.025 χ^2/NDF: 33.5/23

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

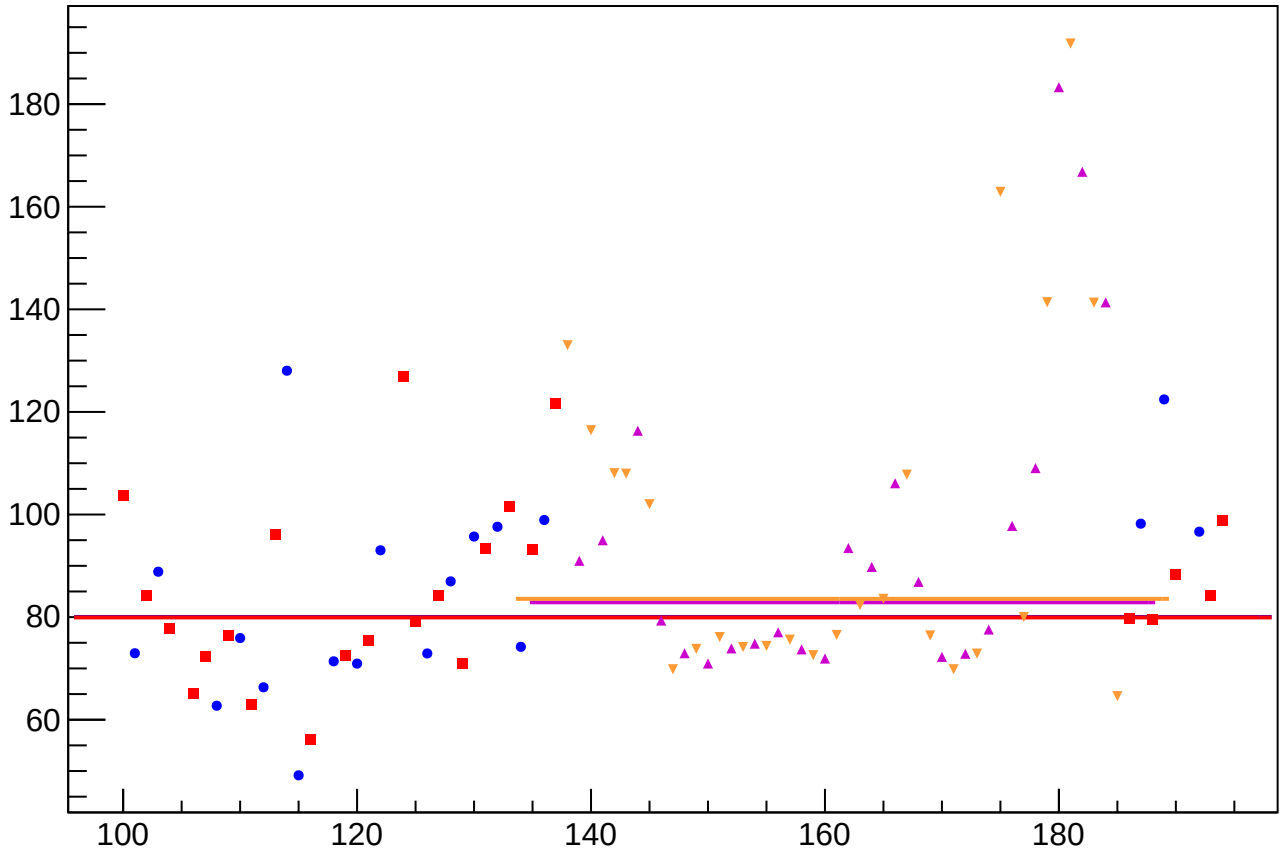
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.014+/-0.019 χ^2/NDF: 51.5/42

In: -0.022+/-0.017 χ^2/NDF:50.1/41

Out: -0.004+/-0.016 χ^2/NDF:62.1/48

All: -0.013+/-0.011 χ^2/NDF: 112.8/90



Right In: 80.033+/-0.020 χ^2/NDF: 598511.0/18

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 79.944+/-0.018 χ^2/NDF: 481548.0/23

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

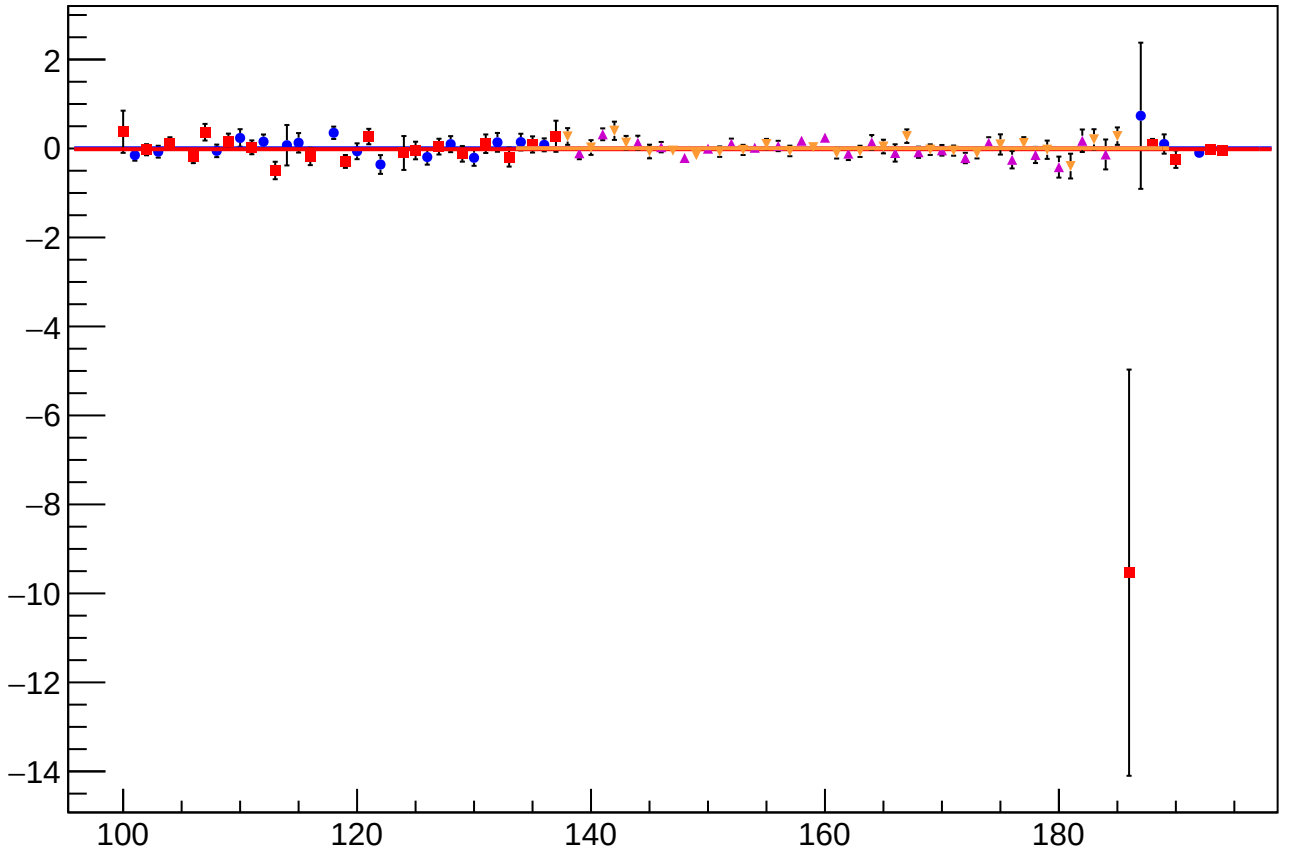
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 79.984+/-0.013 χ^2/NDF: 1080069.9/42

In: 81.904+/-0.012 χ^2/NDF:2184865.0/41

Out: 82.144+/-0.011 χ^2/NDF:2679423.5/48

All: 82.030+/-0.008 χ^2/NDF: 4864507.1/90



Right In: 0.004+/-0.039 χ^2/NDF: 19.4/18

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.016+/-0.034 χ^2/NDF: 30.3/23

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

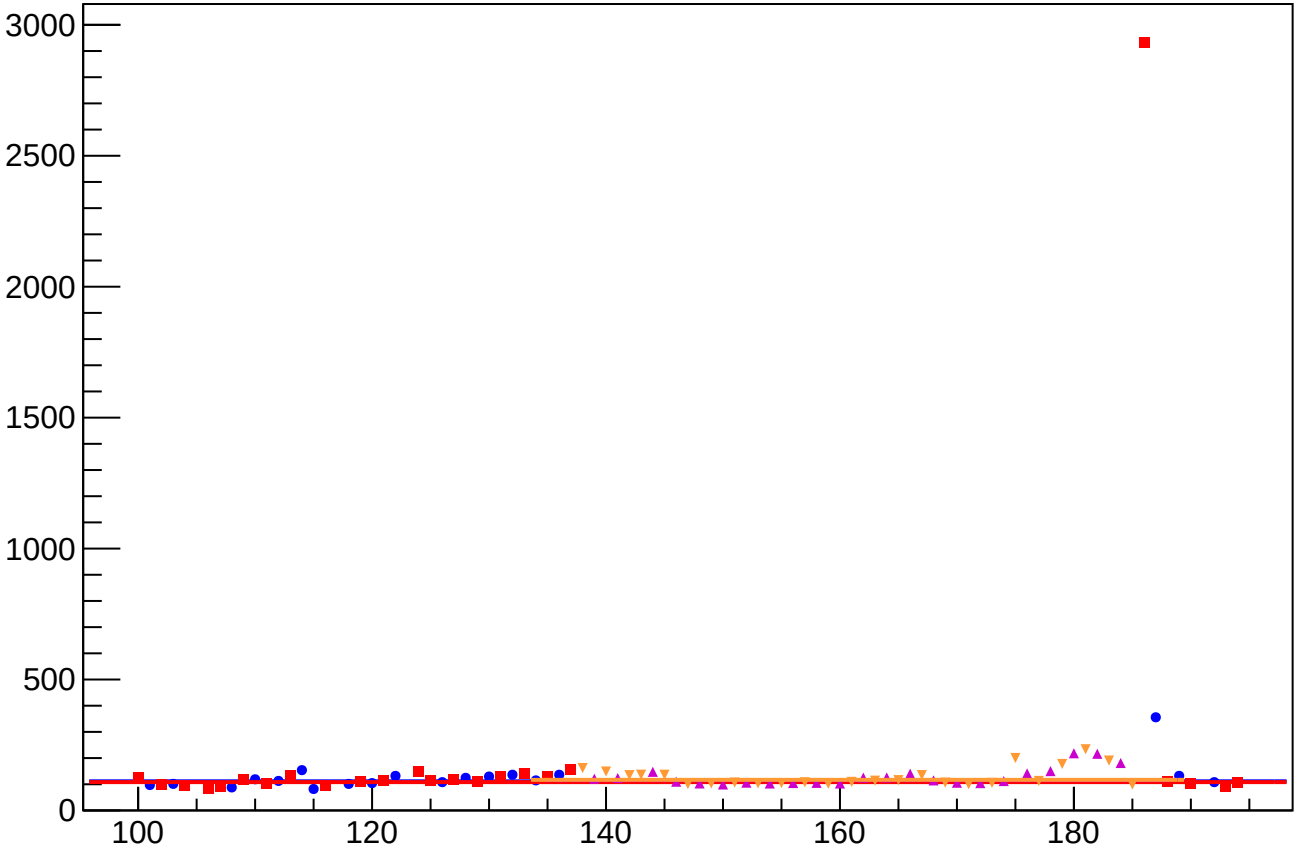
Right: -0.007+/-0.026 χ^2/NDF: 49.8/42

In: 0.008+/-0.023 χ^2/NDF:50.7/41

Out: -0.003+/-0.022 χ^2/NDF:51.8/48

All: 0.002+/-0.016 χ^2/NDF: 102.7/90

asym_usr_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.233+/-0.028 χ^2/NDF: 364753.4/18

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 108.261+/-0.024 χ^2/NDF: 1139918.3/23

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

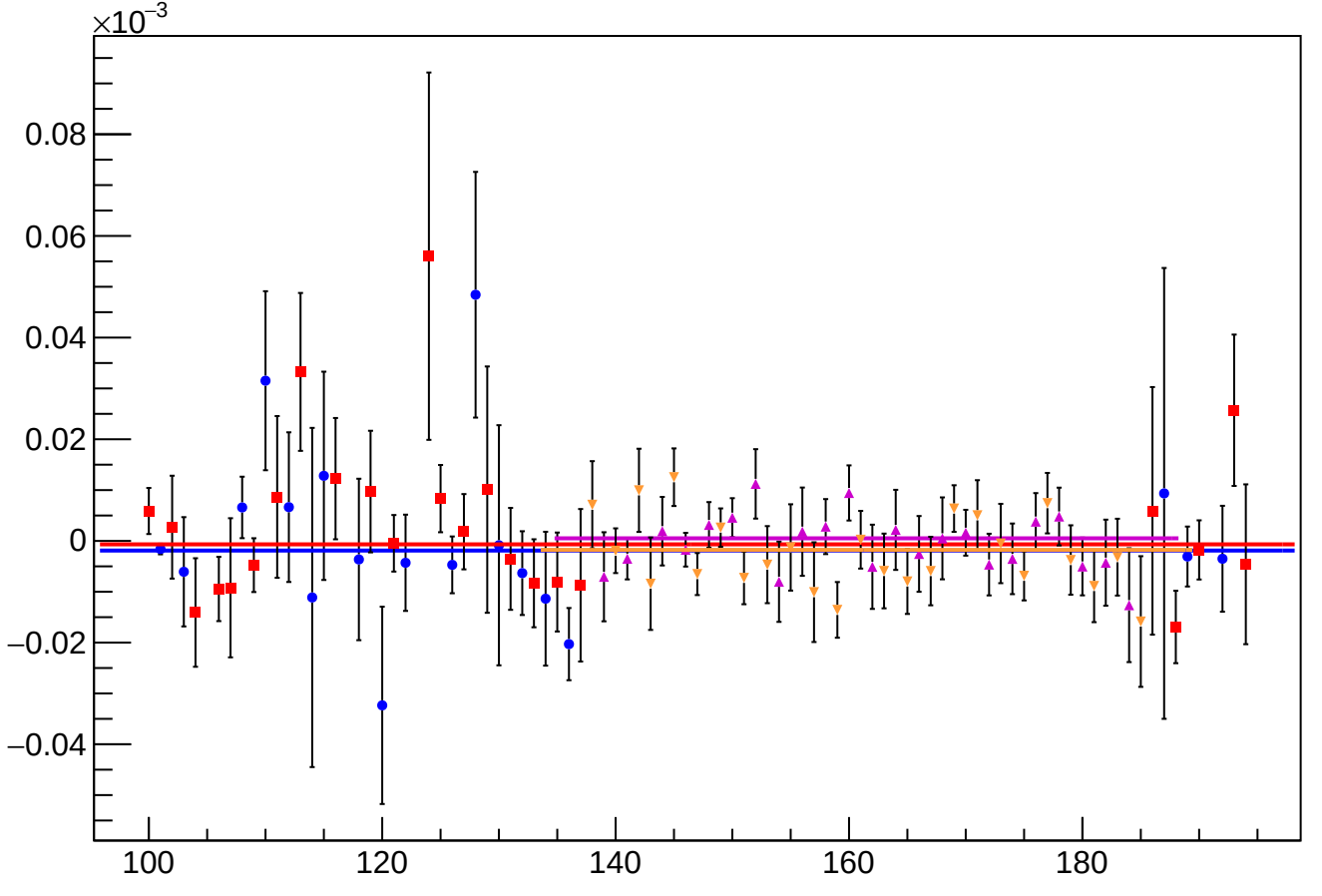
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 109.564+/-0.018 χ^2/NDF: 1511214.9/42

In: 114.269+/-0.016 χ^2/NDF:1614657.5/41

Out: 113.482+/-0.015 χ^2/NDF:2812841.1/48

All: 113.854+/-0.011 χ^2/NDF: 4428752.5/90



Right In: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.6/23

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

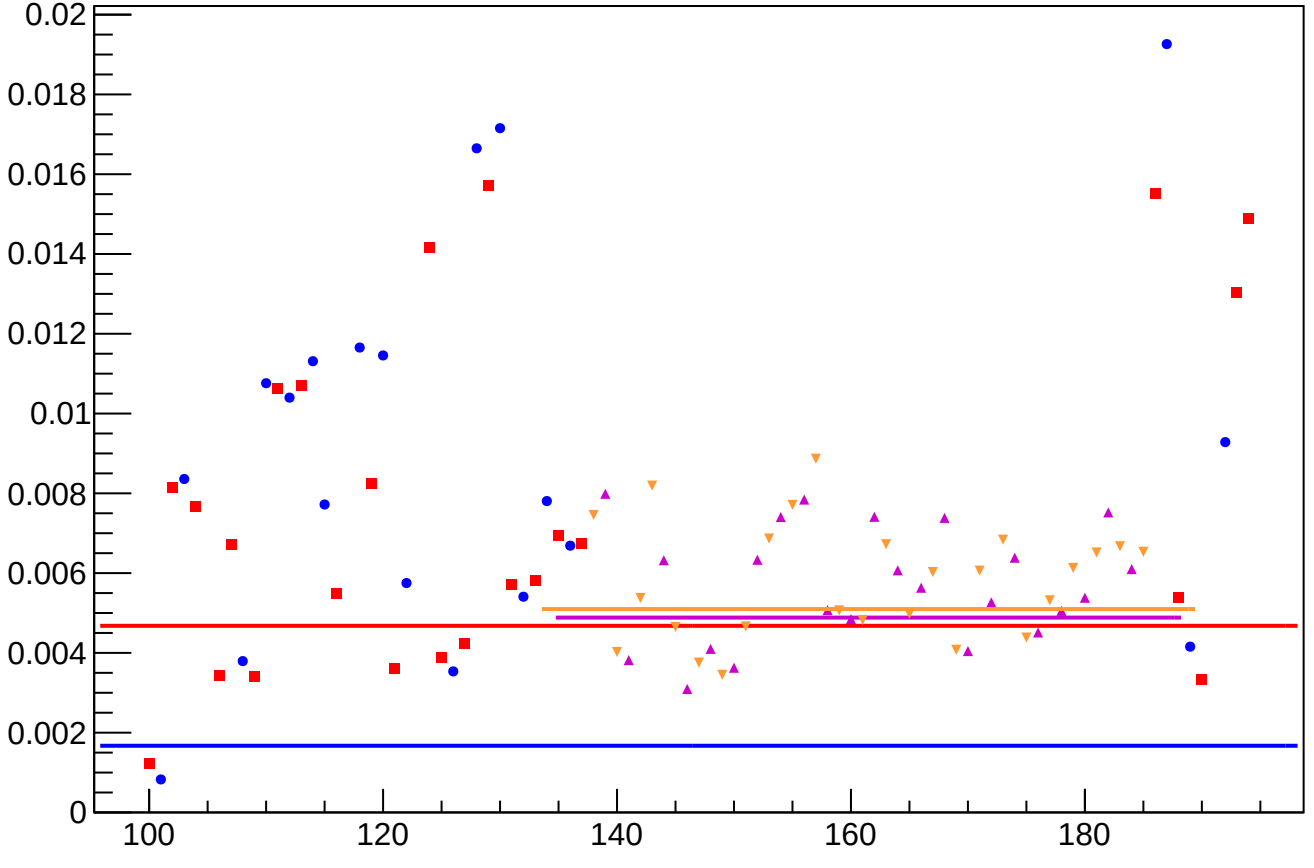
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 50.5/42

In: -0.000+/-0.000 χ^2/NDF:39.6/41

Out: -0.000+/-0.000 χ^2/NDF:59.9/48

All: -0.000+/-0.000 χ^2/NDF: 99.6/90



Right In: 0.002+/-0.000 χ^2/NDF: 11002991.5/18

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 5420893.8/23

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

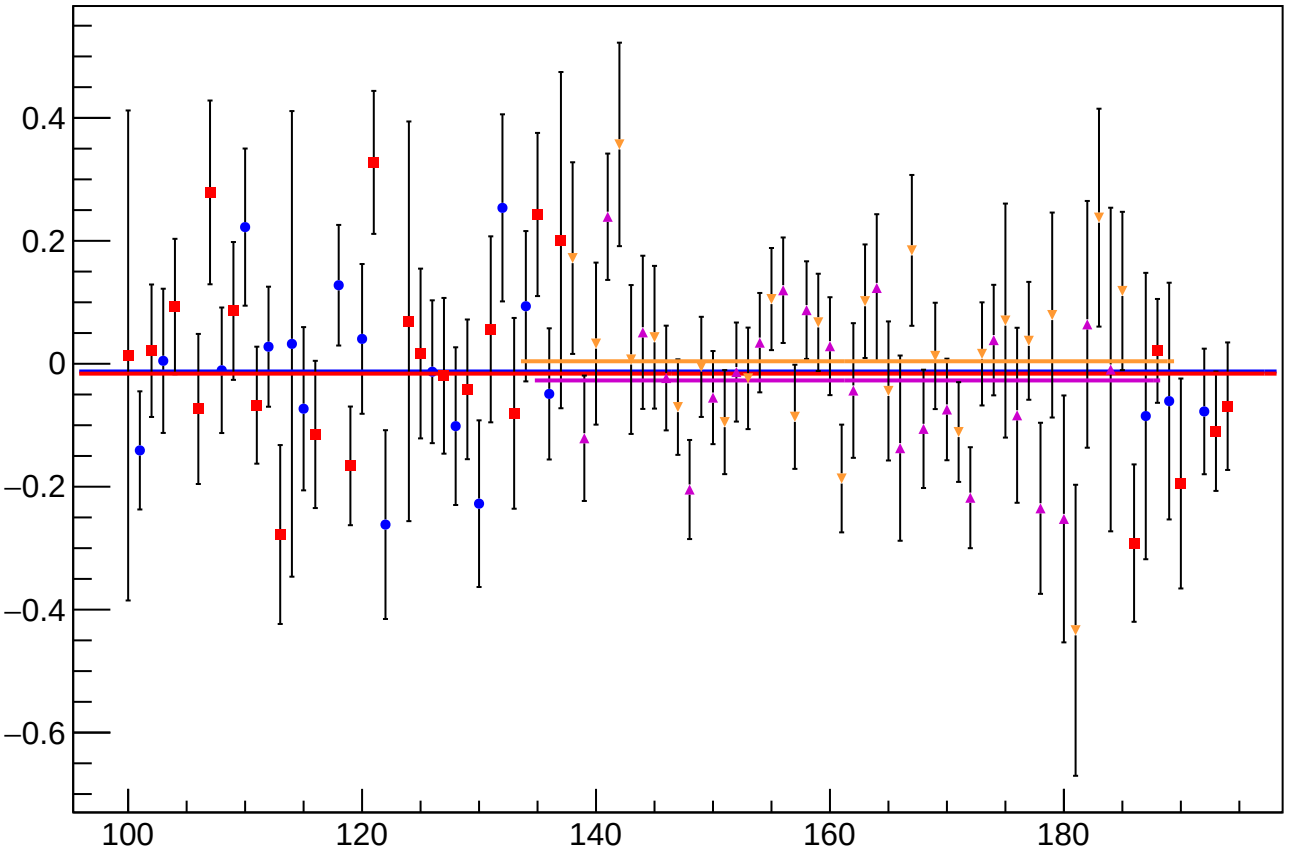
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.002+/-0.000 χ^2/NDF: 20998710.6/42

In: 0.003+/-0.000 χ^2/NDF:22543600.3/41

Out: 0.005+/-0.000 χ^2/NDF:7877882.8/48

All: 0.004+/-0.000 χ^2/NDF: 35786829.4/90



Right In: -0.013+/-0.028 χ^2/NDF: 17.9/18

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.016+/-0.025 χ^2/NDF: 33.5/23

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

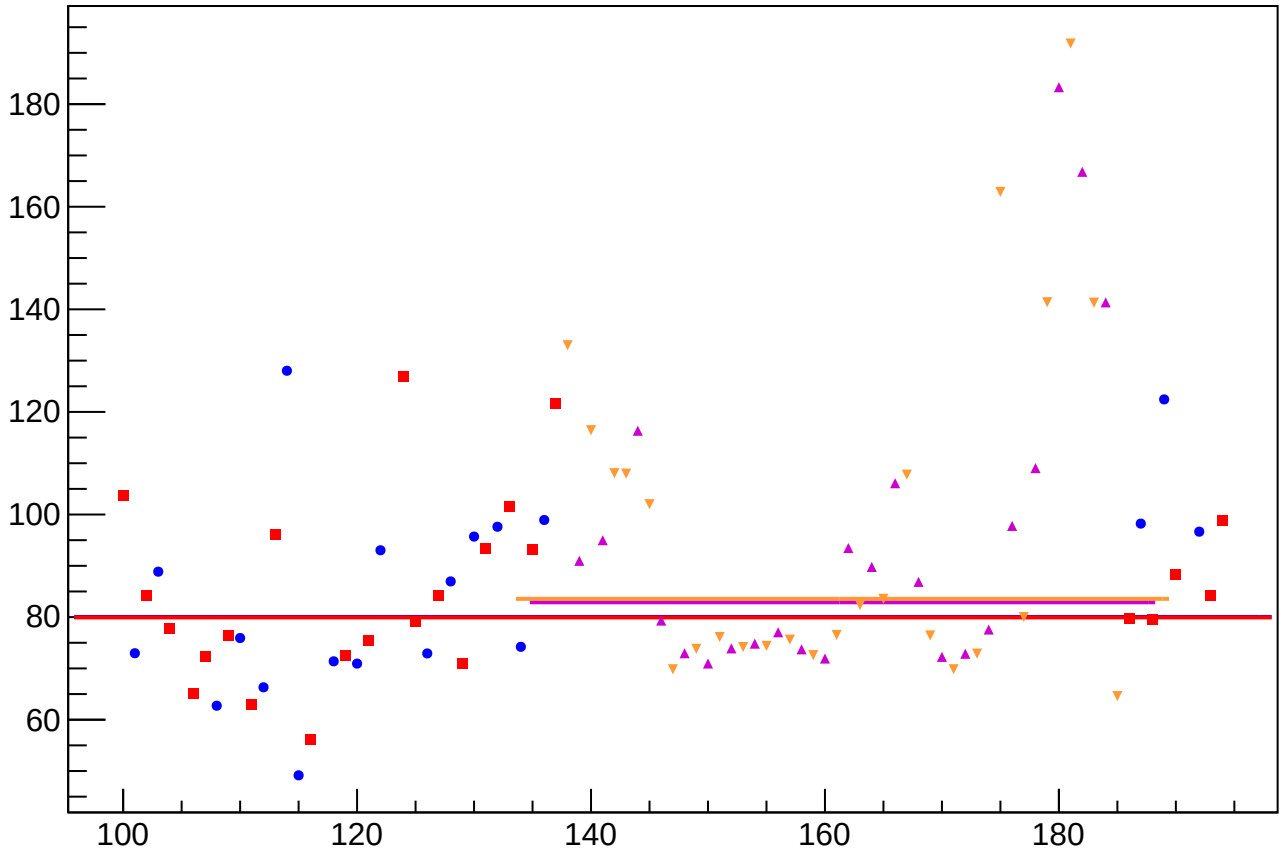
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.014+/-0.019 χ^2/NDF: 51.5/42

In: -0.022+/-0.017 χ^2/NDF:50.1/41

Out: -0.004+/-0.016 χ^2/NDF:62.1/48

All: -0.013+/-0.011 χ^2/NDF: 112.8/90



Right In: 80.032+/-0.020 χ^2/NDF: 598530.6/18

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 79.943+/-0.018 χ^2/NDF: 481563.6/23

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

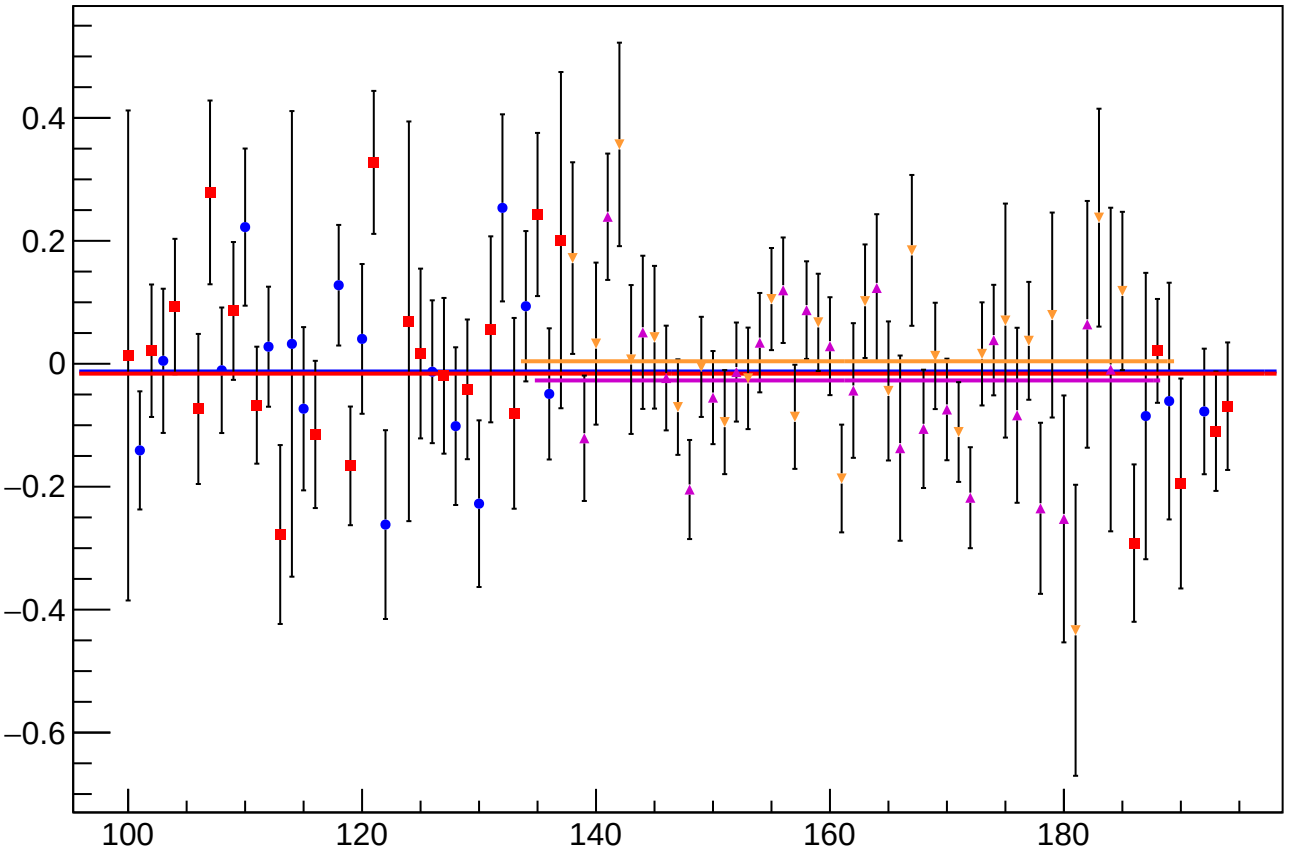
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 79.982+/-0.013 χ^2/NDF: 1080105.1/42

In: 81.904+/-0.012 χ^2/NDF:2184880.3/41

Out: 82.144+/-0.011 χ^2/NDF:2679456.4/48

All: 82.030+/-0.008 χ^2/NDF: 4864555.4/90



Right In: -0.013+/-0.028 χ^2/NDF: 17.9/18

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.016+/-0.025 χ^2/NDF: 33.5/23

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

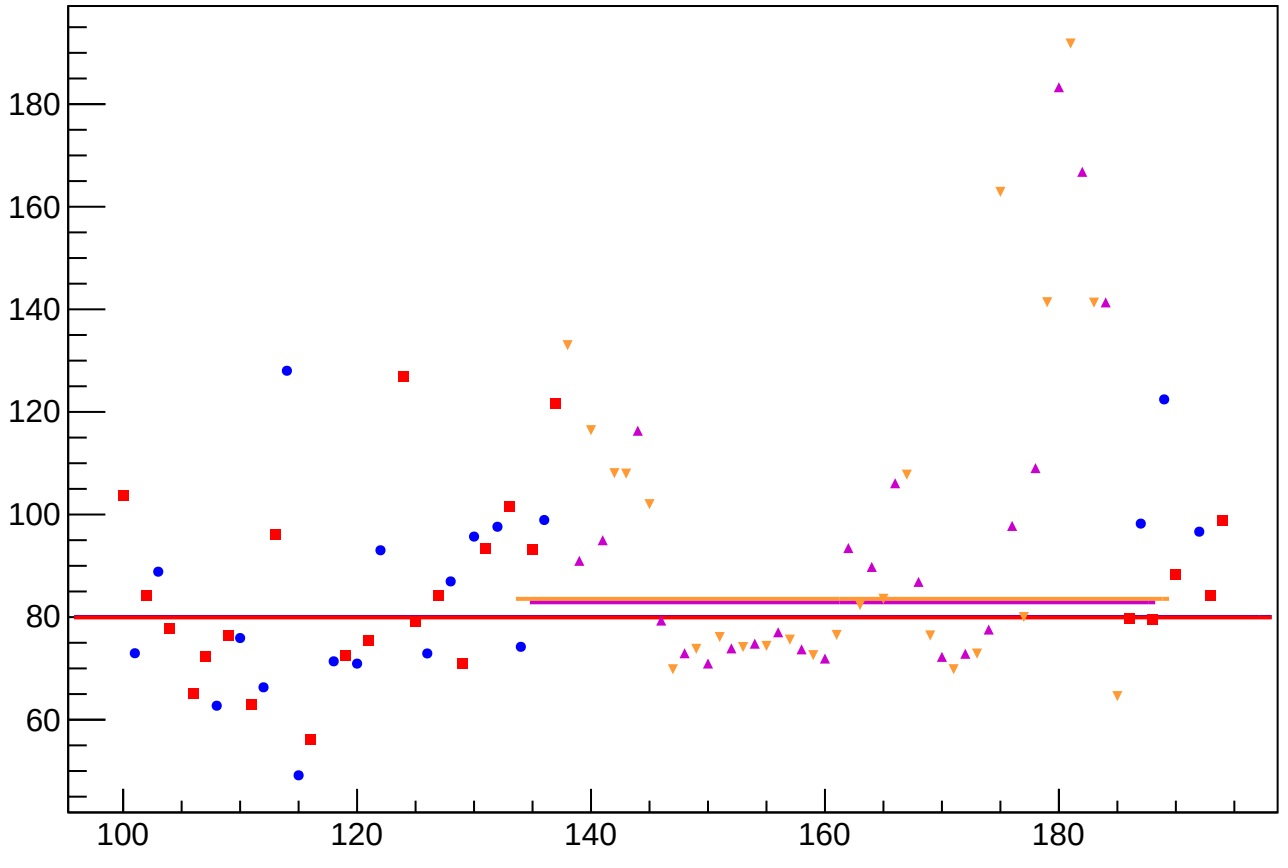
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.014+/-0.019 χ^2/NDF: 51.5/42

In: -0.022+/-0.017 χ^2/NDF:50.1/41

Out: -0.004+/-0.016 χ^2/NDF:62.1/48

All: -0.013+/-0.011 χ^2/NDF: 112.8/90



Right In: 80.032+/-0.020 χ^2/NDF: 598530.6/18

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 79.943+/-0.018 χ^2/NDF: 481563.6/23

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

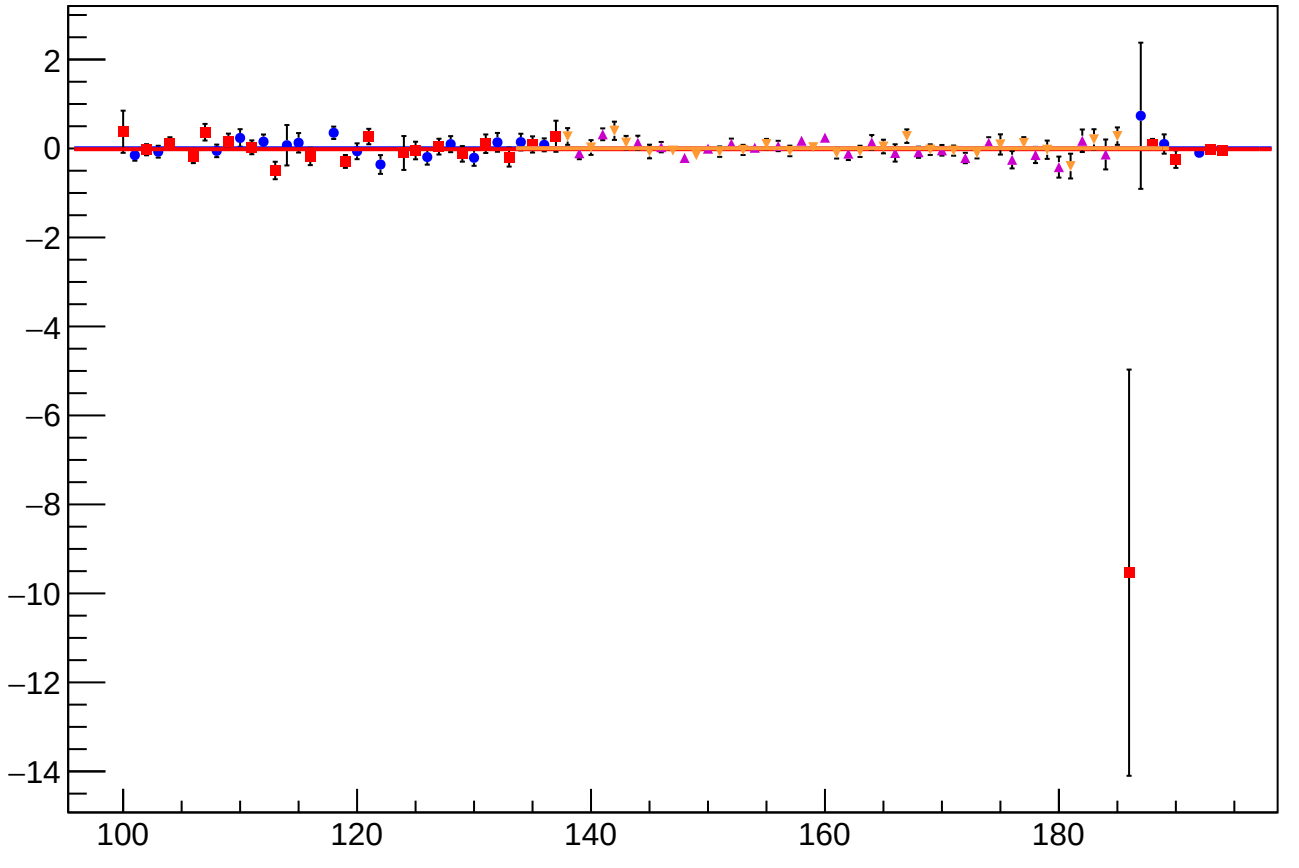
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 79.982+/-0.013 χ^2/NDF: 1080105.1/42

In: 81.904+/-0.012 χ^2/NDF:2184880.3/41

Out: 82.144+/-0.011 χ^2/NDF:2679456.4/48

All: 82.030+/-0.008 χ^2/NDF: 4864555.4/90



Right In: 0.004+/-0.039 χ^2/NDF: 19.4/18

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.016+/-0.034 χ^2/NDF: 30.3/23

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

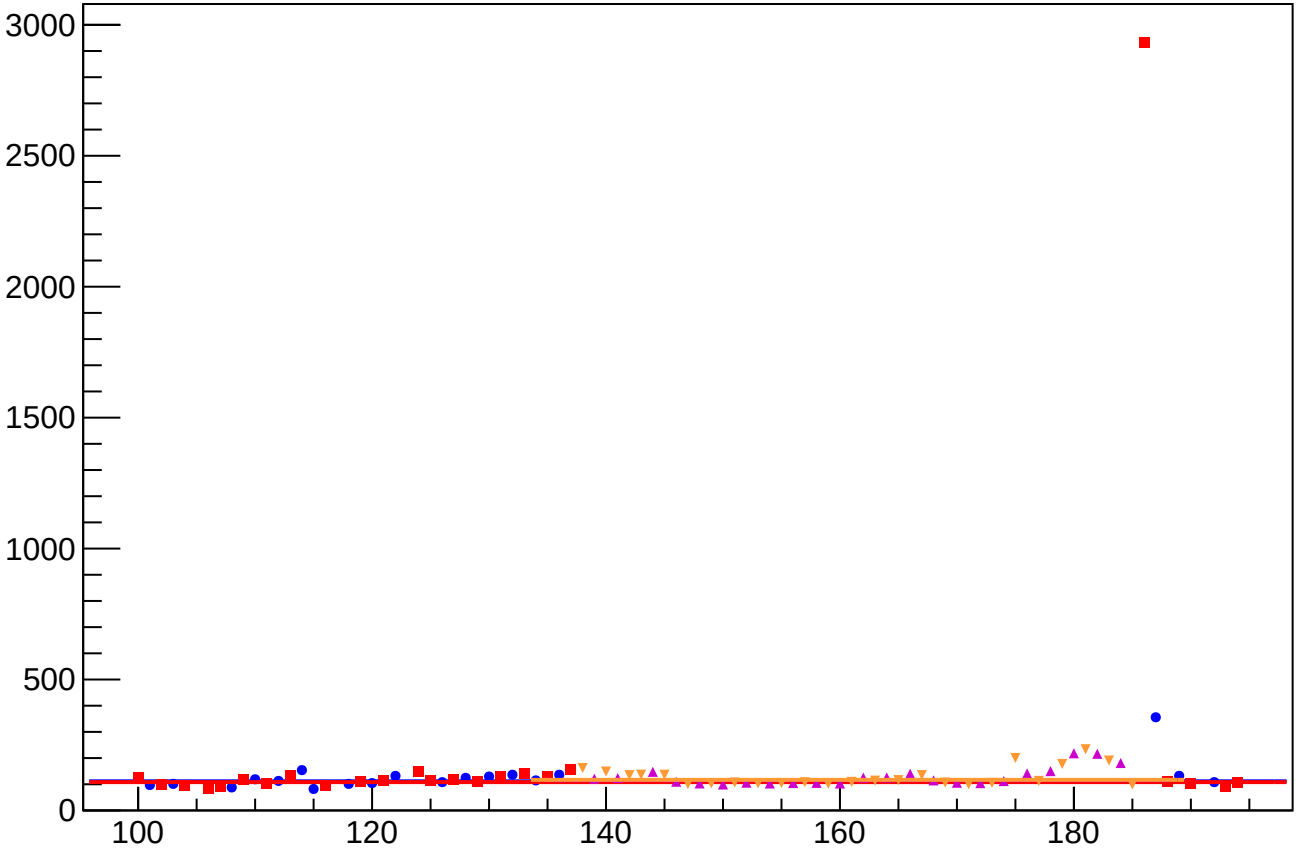
Right: -0.007+/-0.026 χ^2/NDF: 49.8/42

In: 0.008+/-0.023 χ^2/NDF:50.7/41

Out: -0.003+/-0.022 χ^2/NDF:51.8/48

All: 0.002+/-0.016 χ^2/NDF: 102.7/90

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.232+/-0.028 χ^2/NDF: 364732.2/18

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 108.260+/-0.024 χ^2/NDF: 1139894.6/23

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

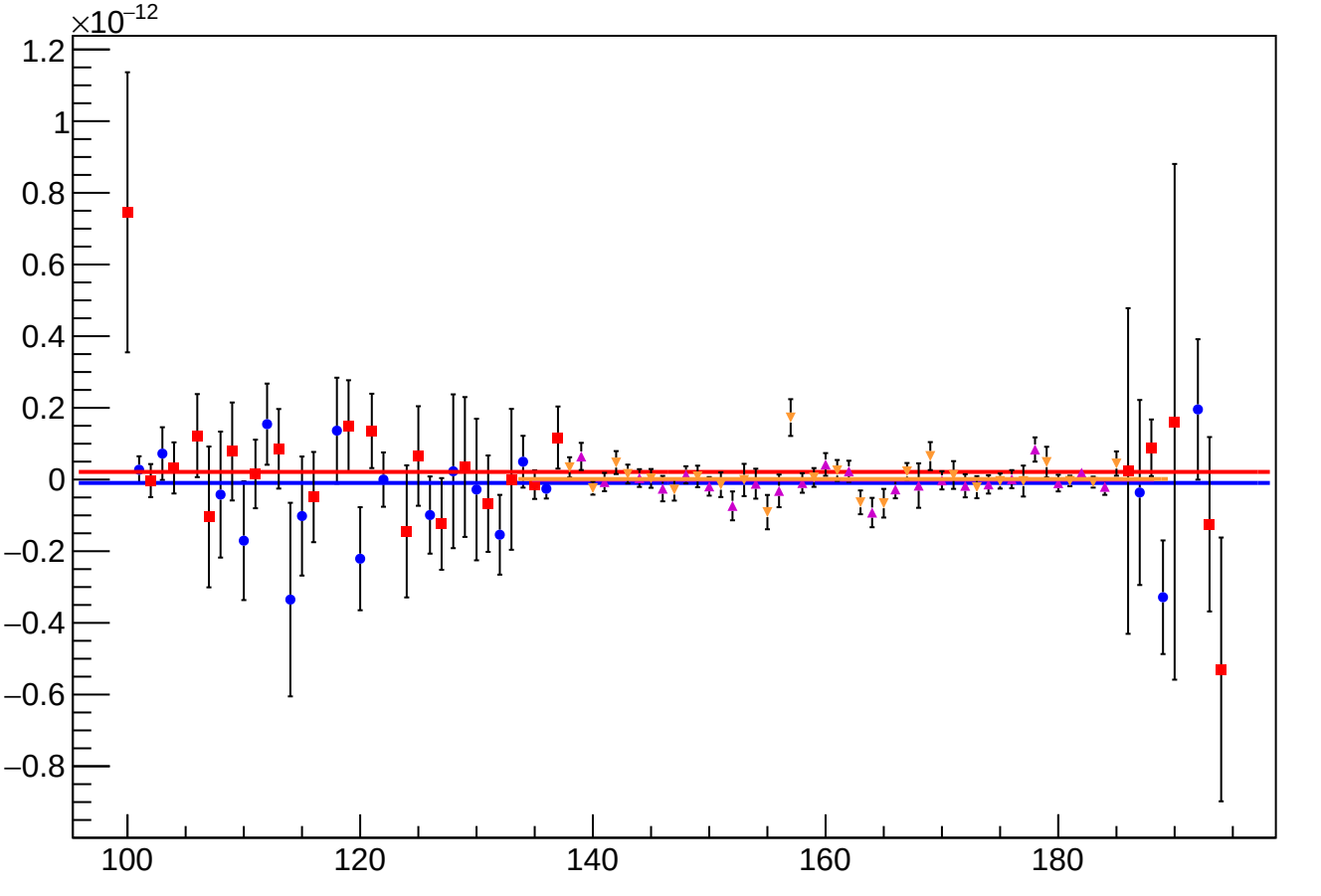
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 109.564+/-0.018 χ^2/NDF: 1511168.3/42

In: 114.269+/-0.016 χ^2/NDF:1614636.5/41

Out: 113.482+/-0.015 χ^2/NDF:2812829.5/48

All: 113.854+/-0.011 χ^2/NDF: 4428719.4/90



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/23

Left In: -0.000+/-0.000 χ^2/NDF:26.7/22

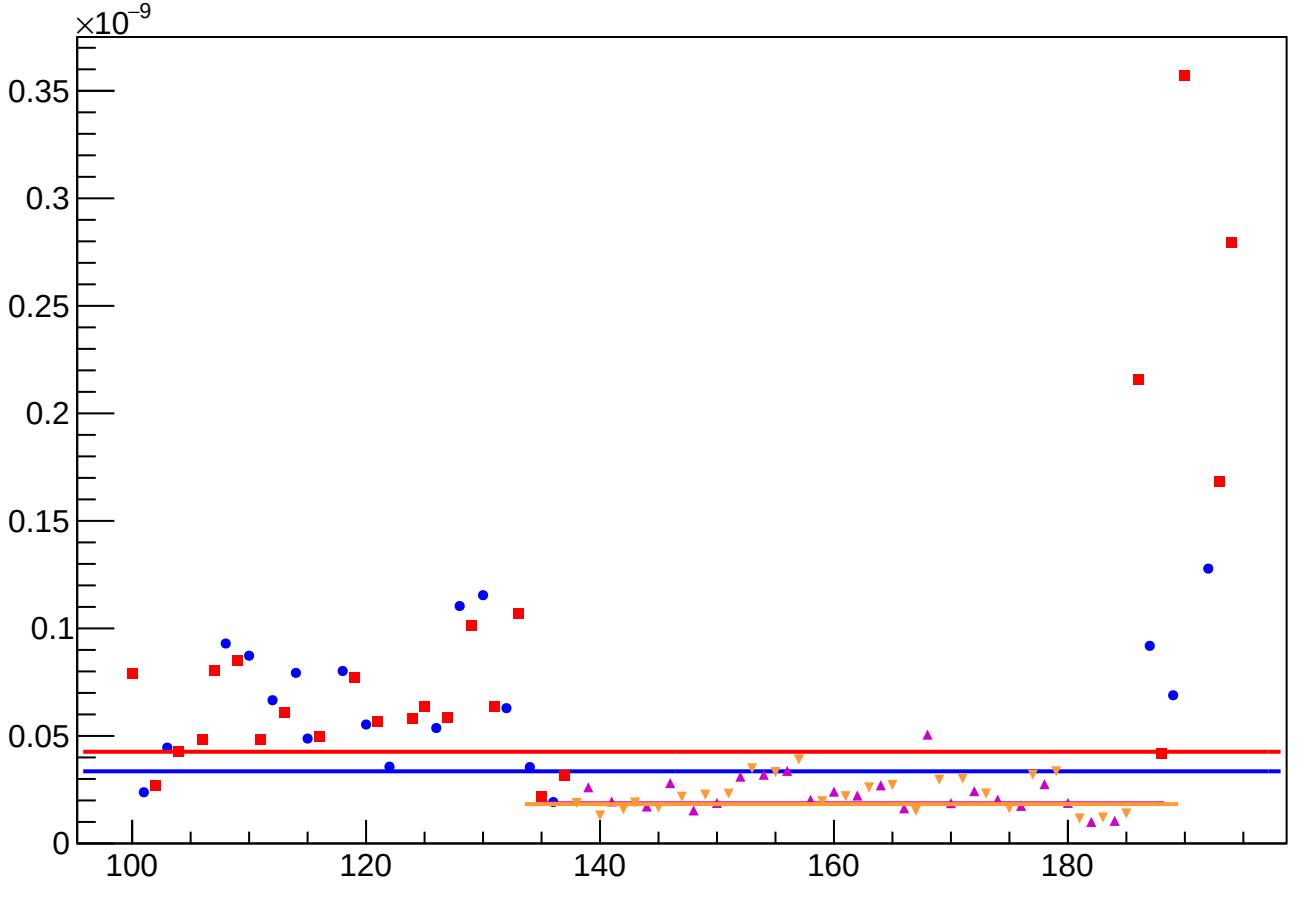
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 36.1/42

In: -0.000+/-0.000 χ^2/NDF:45.8/41

Out: 0.000+/-0.000 χ^2/NDF:53.5/48

All: 0.000+/-0.000 χ^2/NDF: 99.5/90



Right In: 0.000+/-0.000 χ^2/NDF: 3138048.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3926627.2/23

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

Left: 0.000+/-0.000 χ^2/NDF: 5943205.7/47

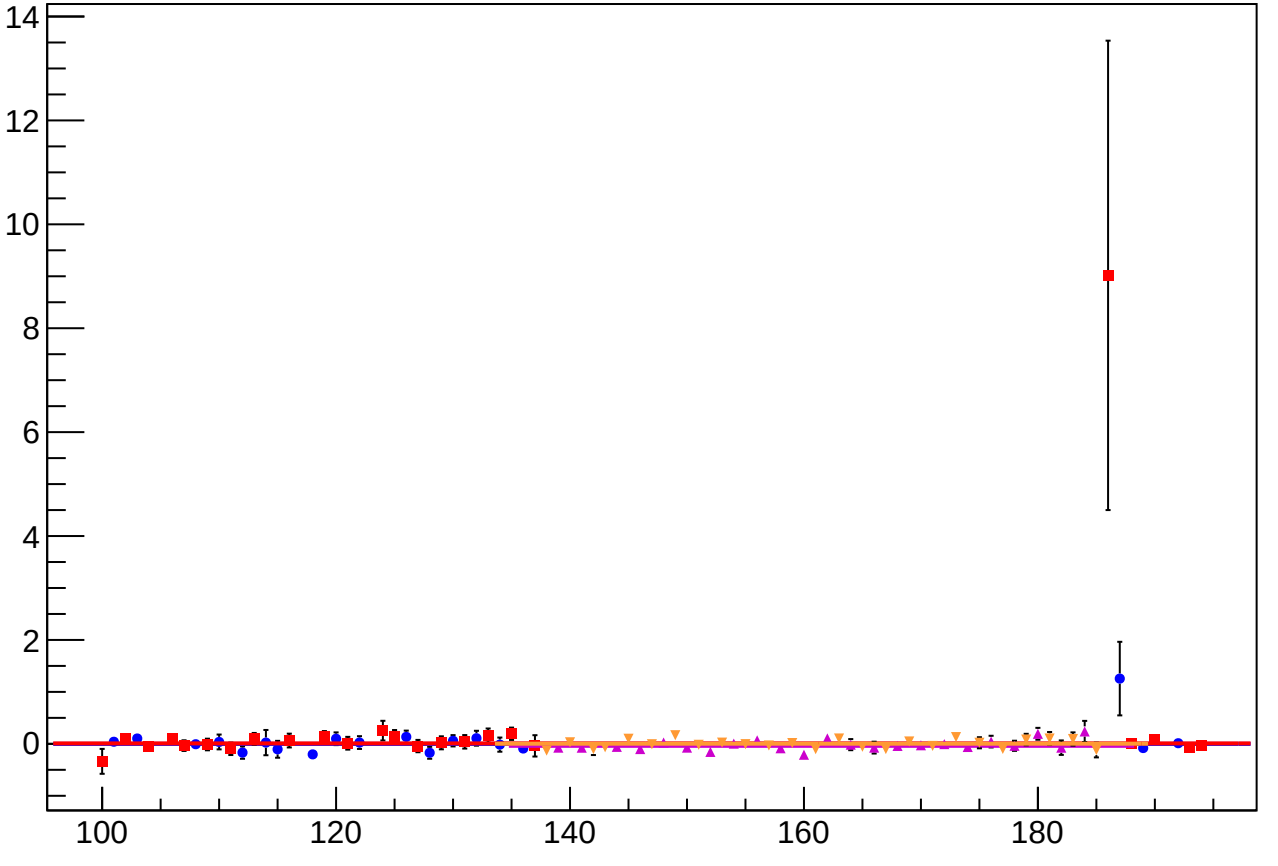
Right: 0.000+/-0.000 χ^2/NDF: 7292897.4/42

In: 0.000+/-0.000 χ^2/NDF:7328555.5/41

Out: 0.000+/-0.000 χ^2/NDF:9647688.1/48

All: 0.000+/-0.000 χ^2/NDF: 16976986.4/90

asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.020 χ^2/NDF: 21.5/18

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.009+/-0.017 χ^2/NDF: 30.0/23

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

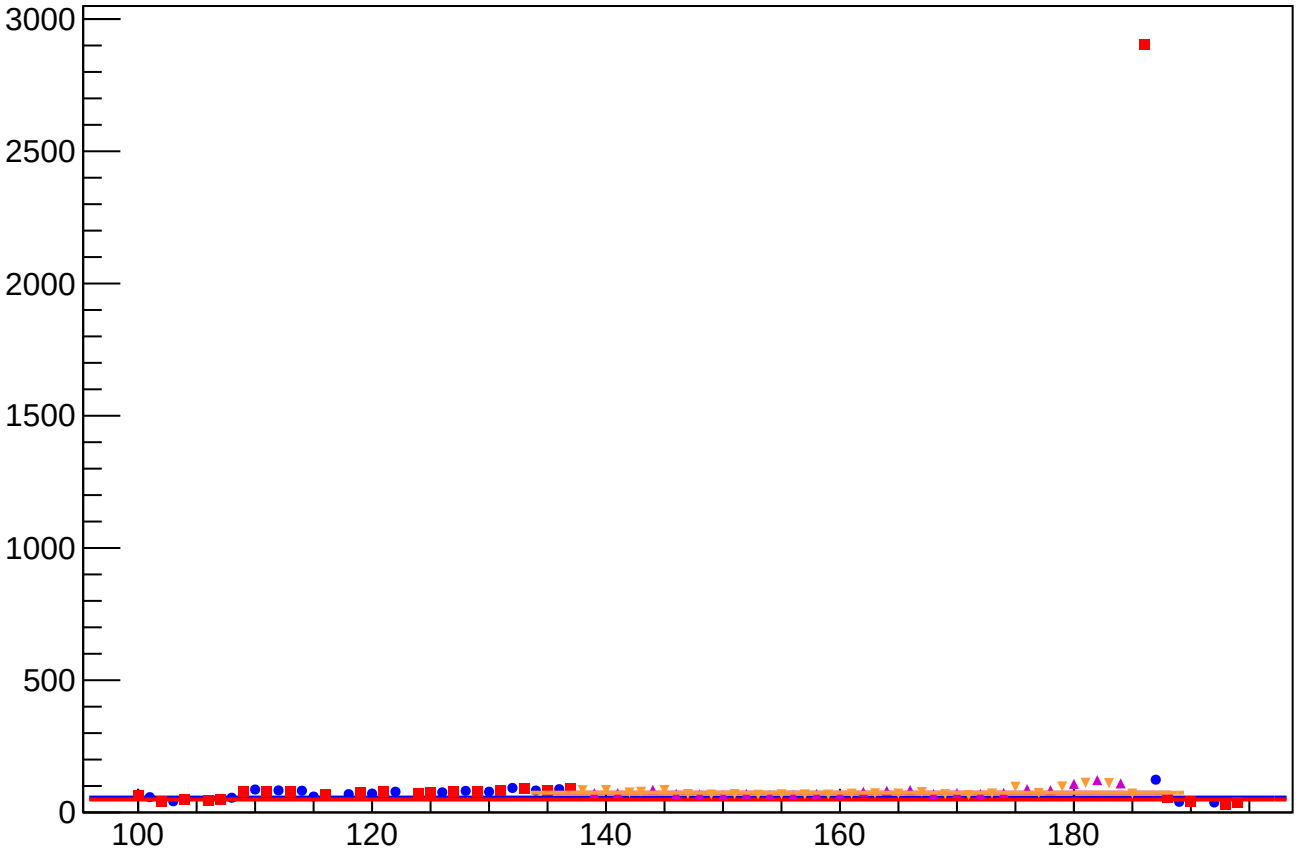
Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

Right: 0.005+/-0.013 χ^2/NDF: 51.7/42

In: -0.022+/-0.013 χ^2/NDF:45.0/41

Out: 0.006+/-0.012 χ^2/NDF:51.6/48

All: -0.007+/-0.009 χ^2/NDF: 99.0/90



Right In: 56.219+/-0.014 χ^2/NDF: 1730129.7/18

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 48.883+/-0.012 χ^2/NDF: 3393950.4/23

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

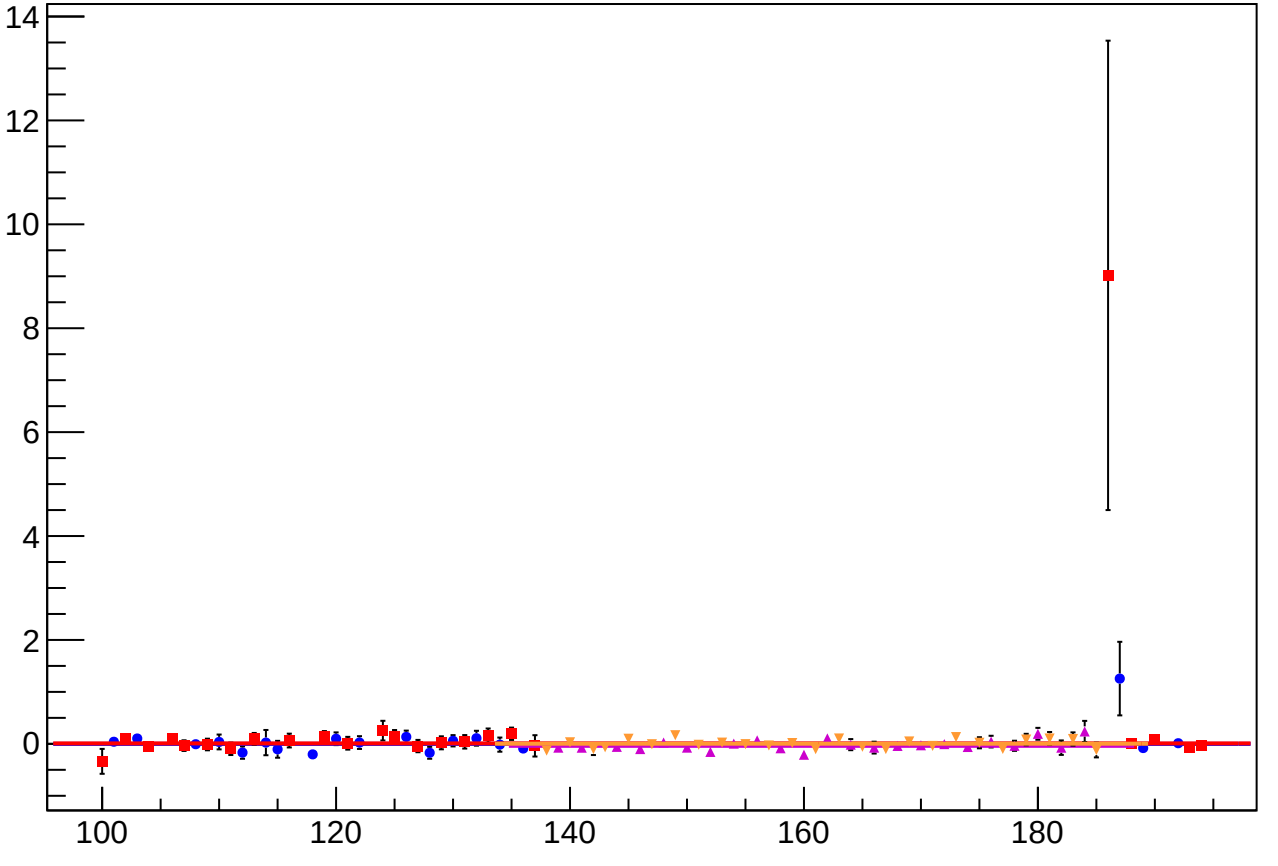
Right: 51.818+/-0.009 χ^2/NDF: 5277782.3/42

In: 66.659+/-0.010 χ^2/NDF:3357552.0/41

Out: 61.297+/-0.009 χ^2/NDF:6430078.3/48

All: 63.685+/-0.006 χ^2/NDF: 9963407.5/90

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.020 χ^2/NDF: 21.5/18

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.009+/-0.017 χ^2/NDF: 30.0/23

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

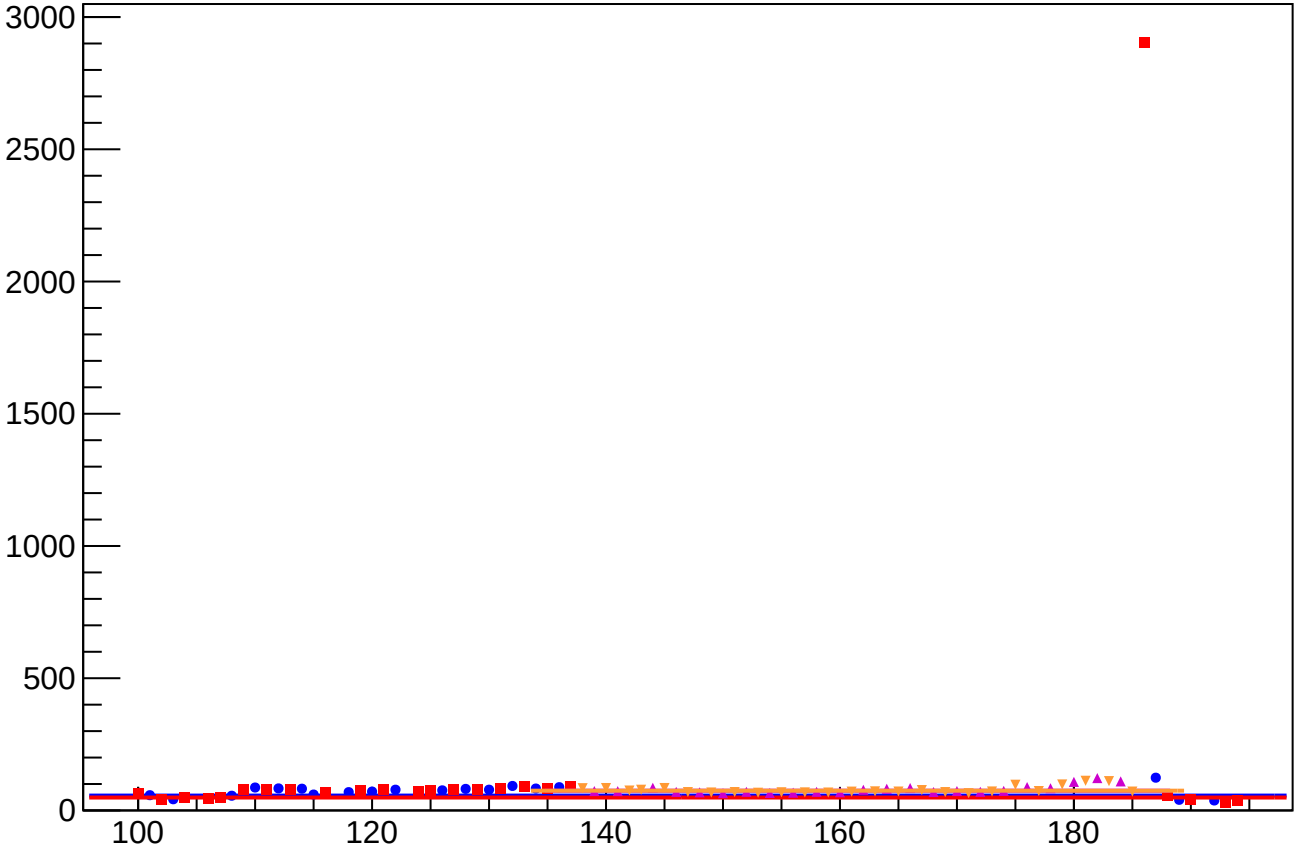
Right: 0.005+/-0.013 χ^2/NDF: 51.7/42

In: -0.022+/-0.013 χ^2/NDF:45.0/41

Out: 0.006+/-0.012 χ^2/NDF:51.6/48

All: -0.007+/-0.009 χ^2/NDF: 99.0/90

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.219+/-0.014 χ^2/NDF: 1730129.7/18

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 48.883+/-0.012 χ^2/NDF: 3393950.4/23

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

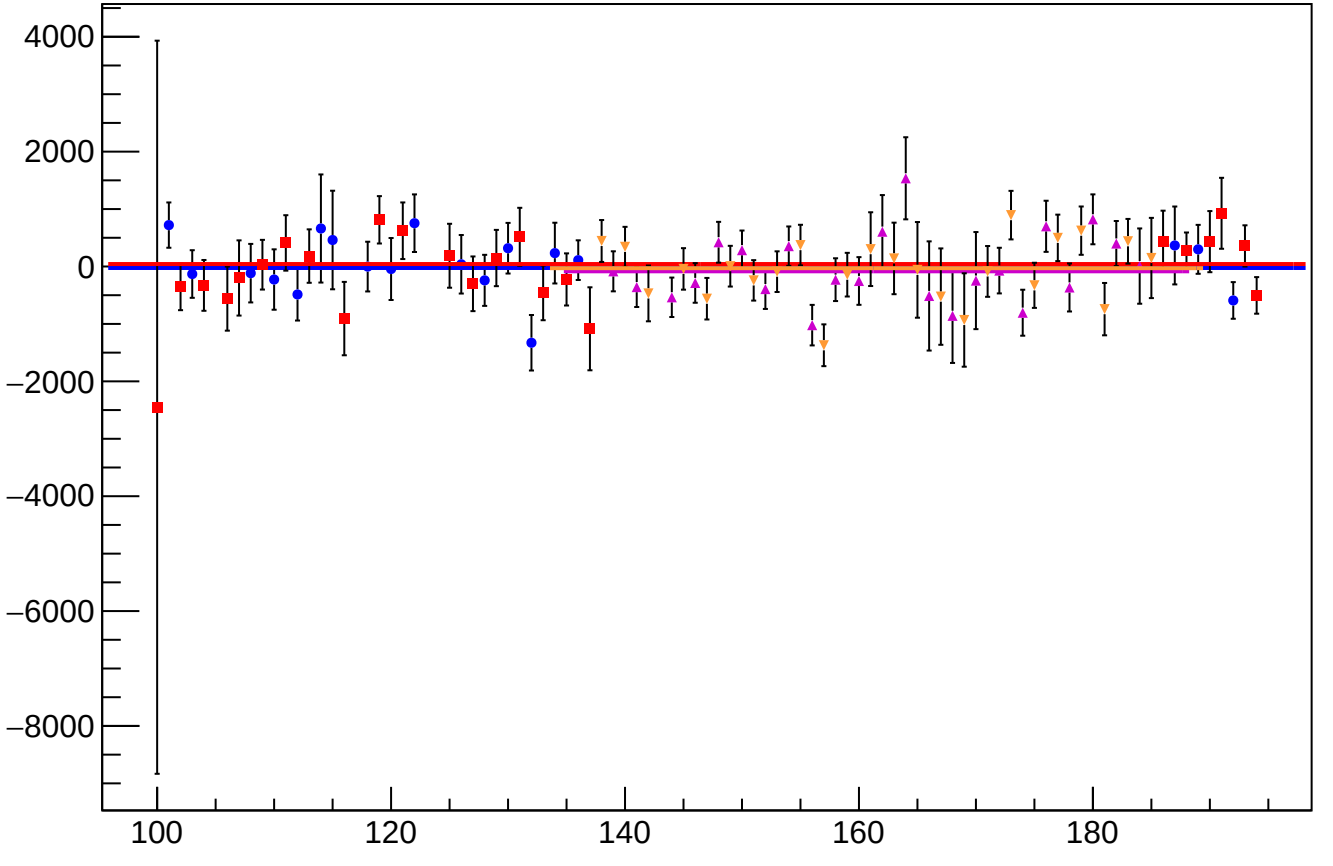
Right: 51.818+/-0.009 χ^2/NDF: 5277782.3/42

In: 66.659+/-0.010 χ^2/NDF:3357552.0/41

Out: 61.297+/-0.009 χ^2/NDF:6430078.3/48

All: 63.685+/-0.006 χ^2/NDF: 9963407.5/90

asym_dsl_mean vs Slug, Sign Corrected



Right In: -25.985+/-106.834 χ^2/NDF: 20.7/18

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: 42.764+/-96.286 χ^2/NDF: 23.7/23

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

Left: -56.550+/-61.167 χ^2/NDF: 72.6/46

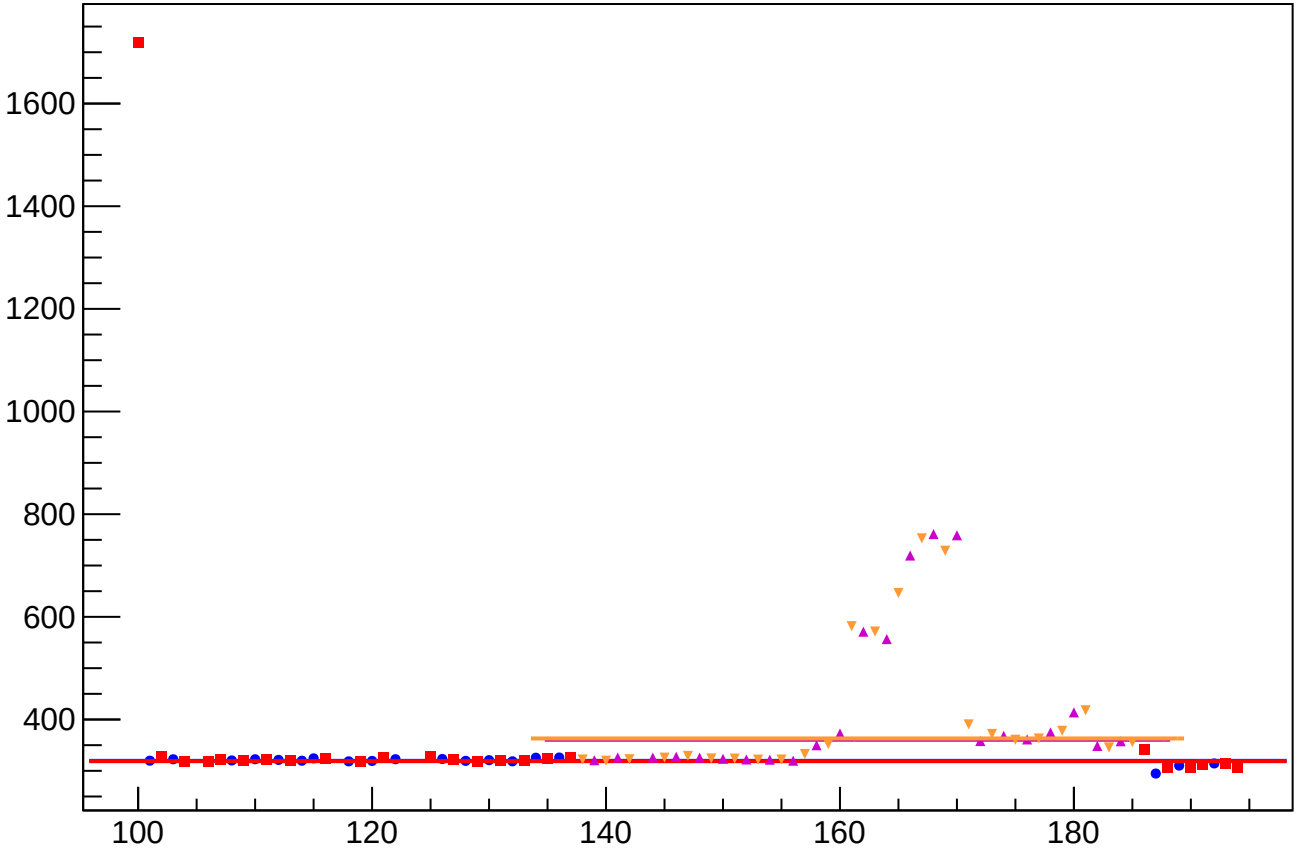
Right: 11.950+/-71.524 χ^2/NDF: 44.6/42

In: -60.866+/-67.216 χ^2/NDF:56.7/41

Out: 2.871+/-64.359 χ^2/NDF:60.6/47

All: -27.614+/-46.486 χ^2/NDF: 117.8/89

asym_dsl_rms vs Slug, Sign Corrected



Right In: 319.411+/-0.076 χ^2/NDF: 5578.6/18

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 318.840+/-0.068 χ^2/NDF: 109904.5/23

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

Left: 361.831+/-0.043 χ^2/NDF: 3614092.1/46

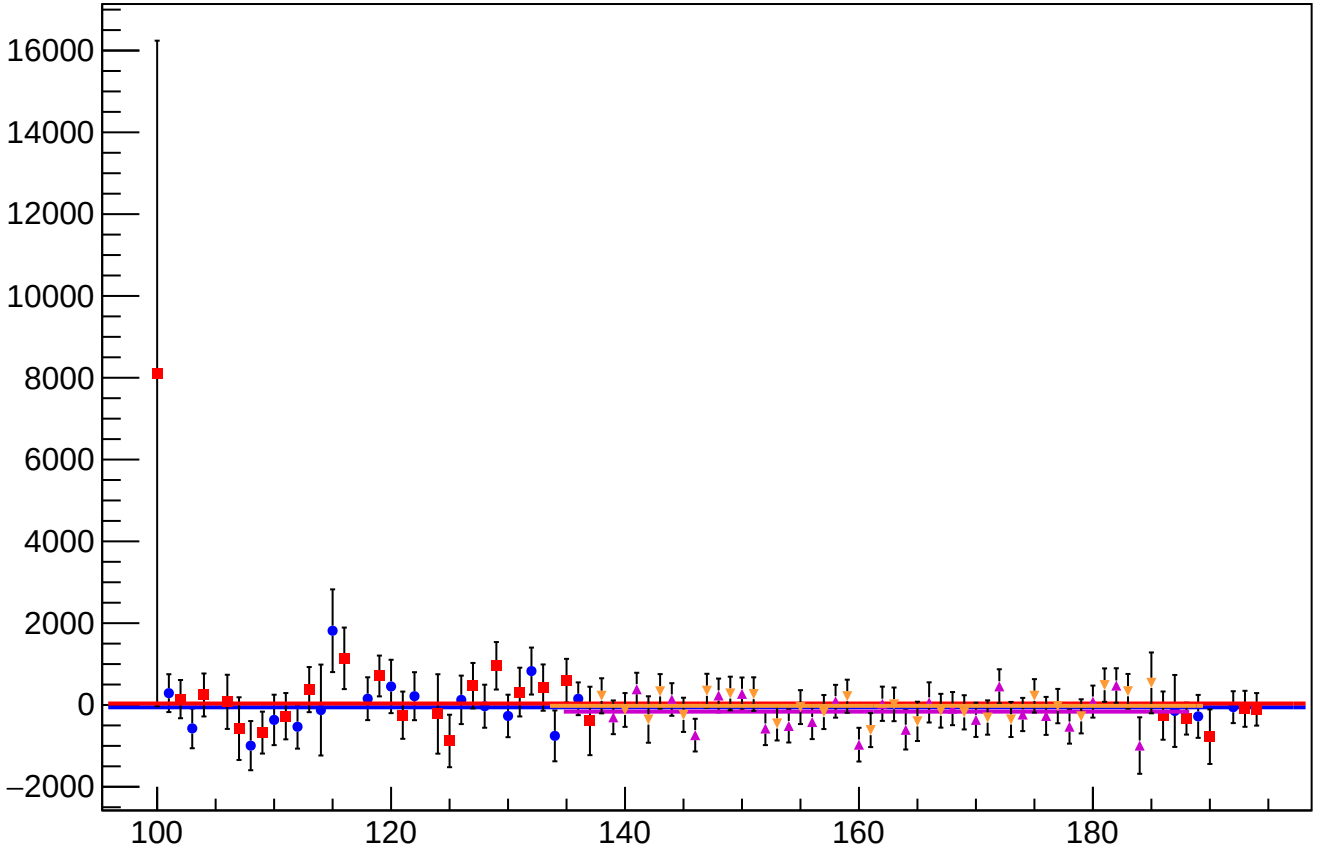
Right: 319.096+/-0.051 χ^2/NDF: 115514.6/42

In: 344.287+/-0.048 χ^2/NDF:2002749.8/41

Out: 343.314+/-0.046 χ^2/NDF:2139041.4/47

All: 343.779+/-0.033 χ^2/NDF: 4142009.9/89

asym_dsr_mean vs Slug, Sign Corrected



Right In: -56.749+/-126.994 χ^2/NDF: 13.9/18

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: 35.907+/-115.503 χ^2/NDF: 18.8/23

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

Left: -90.087+/-61.364 χ^2/NDF: 35.7/47

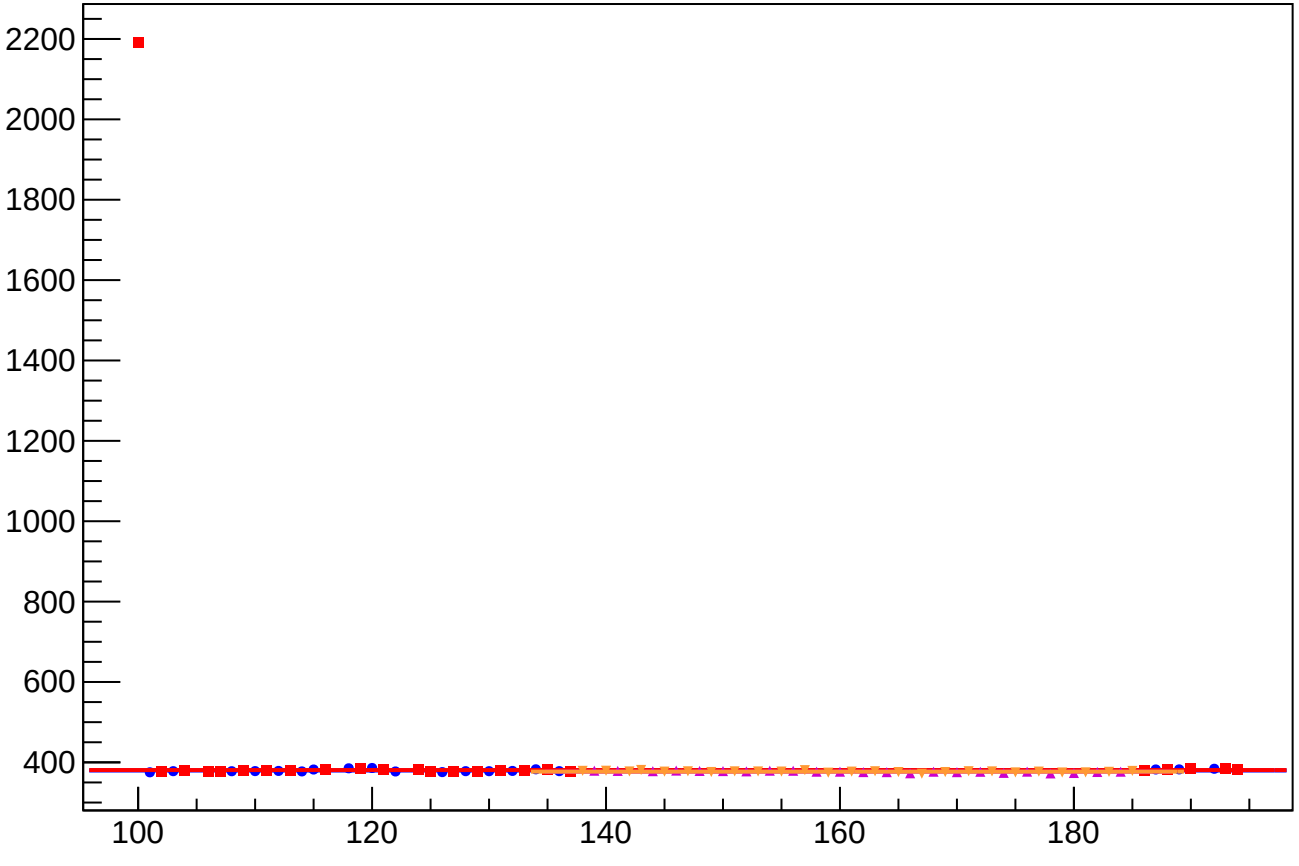
Right: -6.040+/-85.447 χ^2/NDF: 33.0/42

In: -128.531+/-72.327 χ^2/NDF:36.2/41

Out: -0.858+/-68.783 χ^2/NDF:31.6/48

All: -61.490+/-49.842 χ^2/NDF: 69.4/90

asym_dsr_rms vs Slug, Sign Corrected



Right In: 379.737+/-0.090 χ^2/NDF: 1237.6/18

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 380.861+/-0.082 χ^2/NDF: 100087.9/23

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

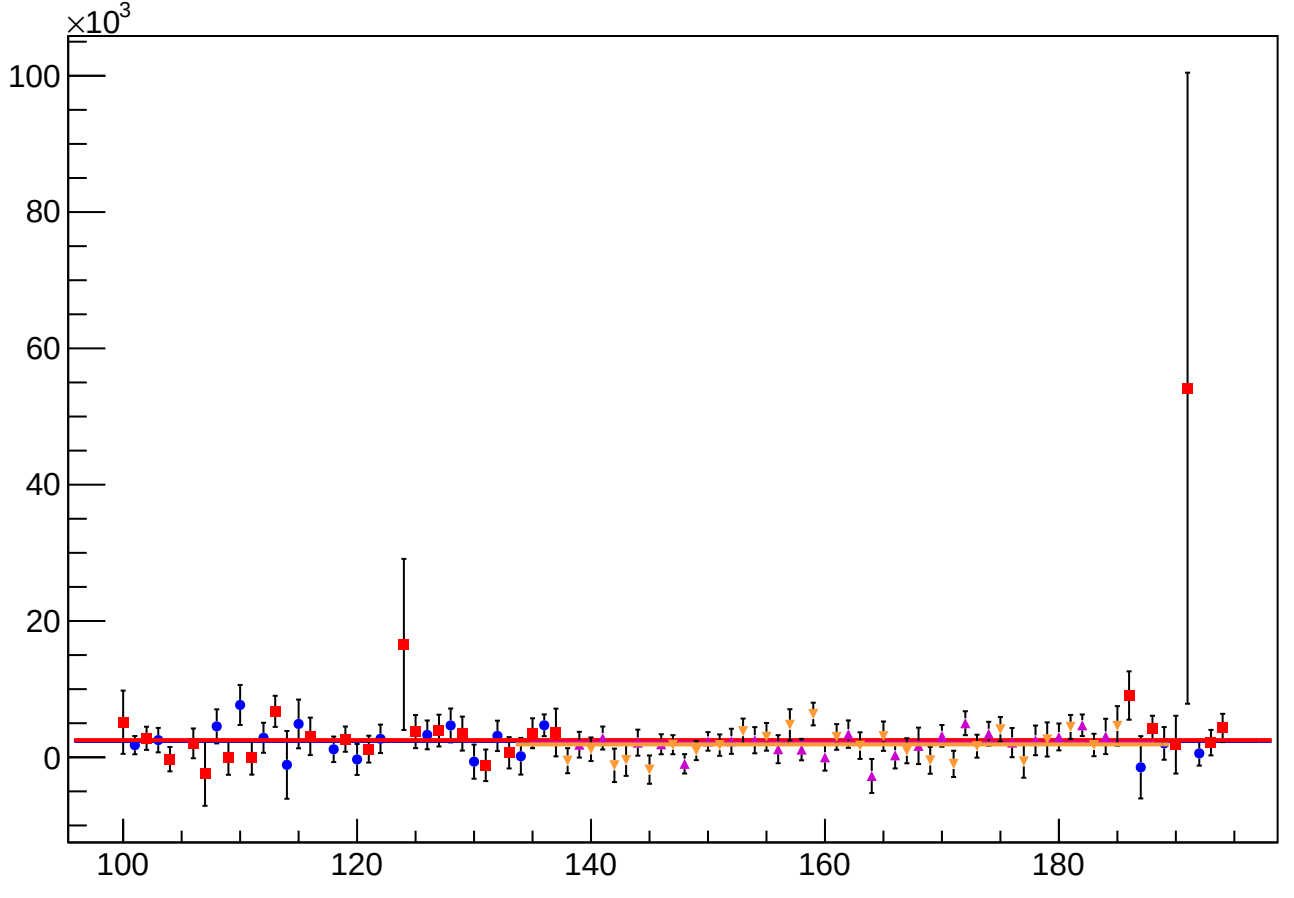
Left: 376.877+/-0.043 χ^2/NDF: 2132.9/47

Right: 380.352+/-0.060 χ^2/NDF: 101411.3/42

In: 377.784+/-0.051 χ^2/NDF:3011.8/41

Out: 378.308+/-0.049 χ^2/NDF:102659.6/48

All: 378.059+/-0.035 χ^2/NDF: 105726.7/90



Right In: 2399.641+/-500.819 χ^2/NDF: 14.2/18

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: 2521.389+/-484.220 χ^2/NDF: 21.7/24

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

Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

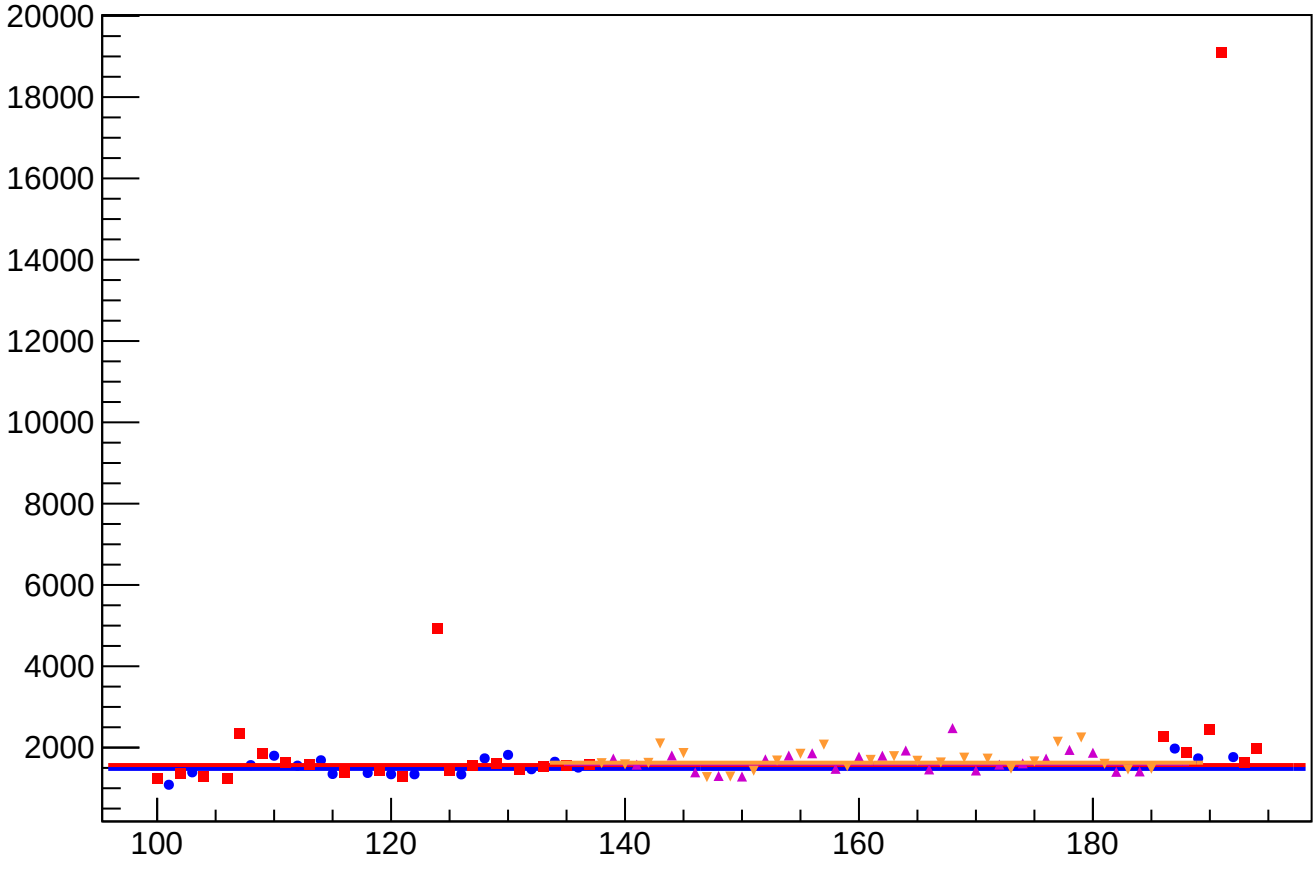
Right: 2462.566+/-348.116 χ^2/NDF: 36.0/43

In: 2212.574+/-302.242 χ^2/NDF:33.0/41

Out: 2127.691+/-296.629 χ^2/NDF:51.1/49

All: 2169.337+/-211.705 χ^2/NDF: 84.2/91

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 1475.723+/-0.354 χ^2/NDF: 407665.1/18

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1570.362+/-0.342 χ^2/NDF: 1012393.8/24

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

Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

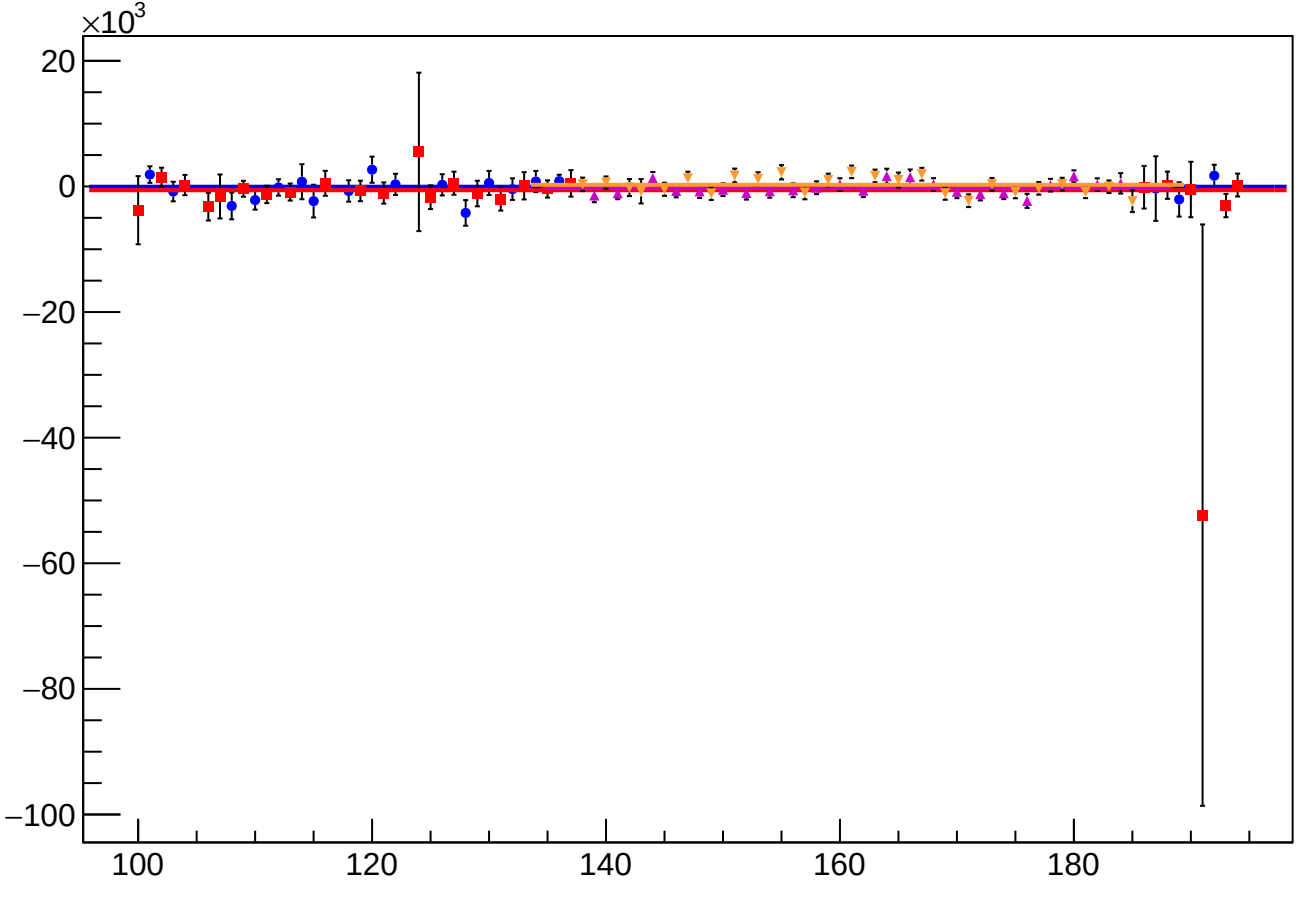
Right: 1524.637+/-0.246 χ^2/NDF: 1456970.9/43

In: 1555.689+/-0.214 χ^2/NDF:1281584.8/41

Out: 1606.669+/-0.210 χ^2/NDF:1809487.2/49

All: 1581.657+/-0.150 χ^2/NDF: 3120056.4/91

asym_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -41.483+/-393.682 χ^2/NDF: 16.1/18

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: -601.845+/-381.983 χ^2/NDF: 10.1/24

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

Left: 0.994+/-152.955 χ^2/NDF: 58.3/47

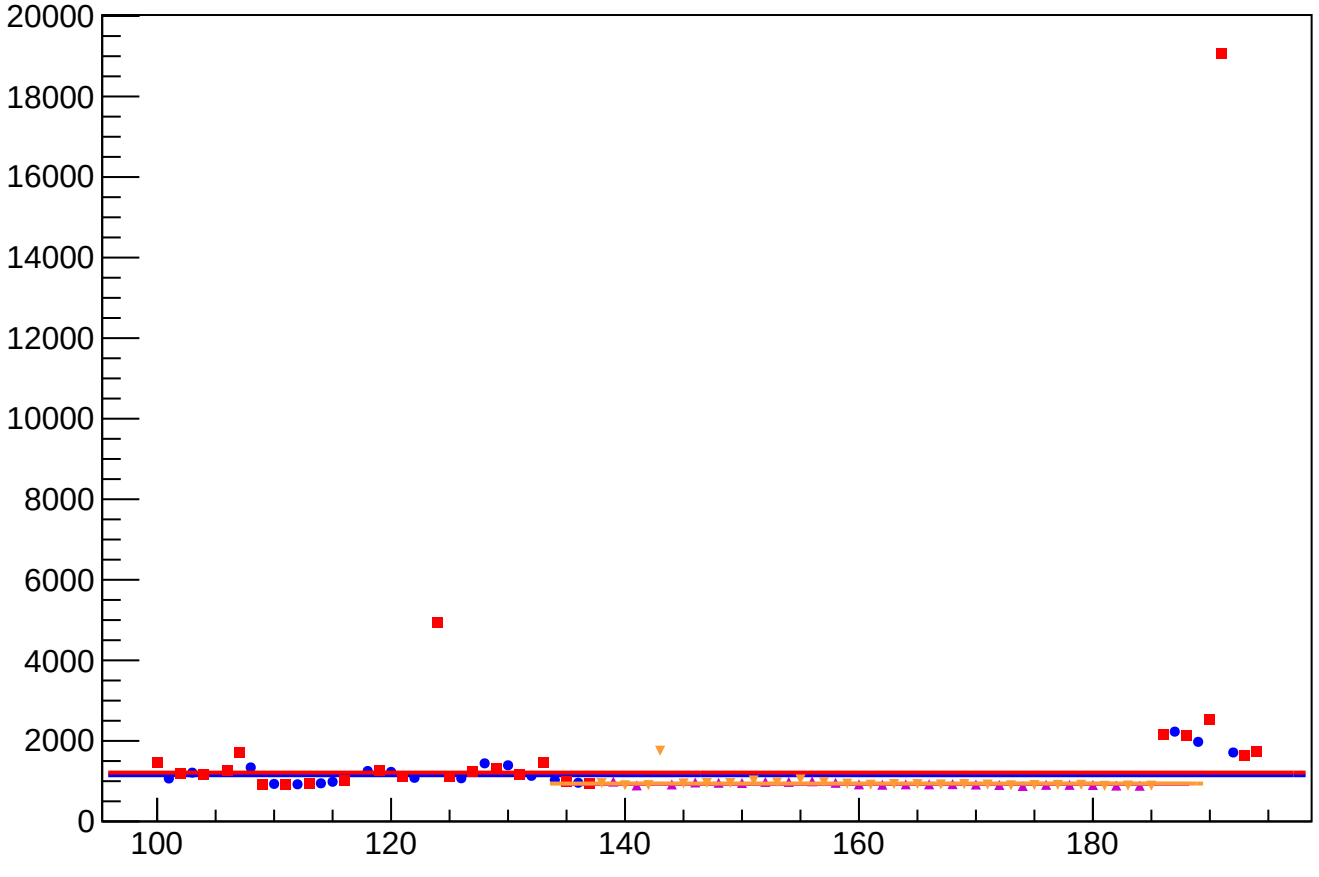
Right: -330.114+/-274.146 χ^2/NDF: 27.3/43

In: -214.239+/-190.502 χ^2/NDF:37.7/41

Out: 54.519+/-187.335 χ^2/NDF:47.9/49

All: -77.608+/-133.571 χ^2/NDF: 86.7/91

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 1147.903+/-0.278 χ^2/NDF: 798651.8/18

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1213.195+/-0.270 χ^2/NDF: 1909885.3/24

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

Left: 936.347+/-0.108 χ^2/NDF: 468535.2/47

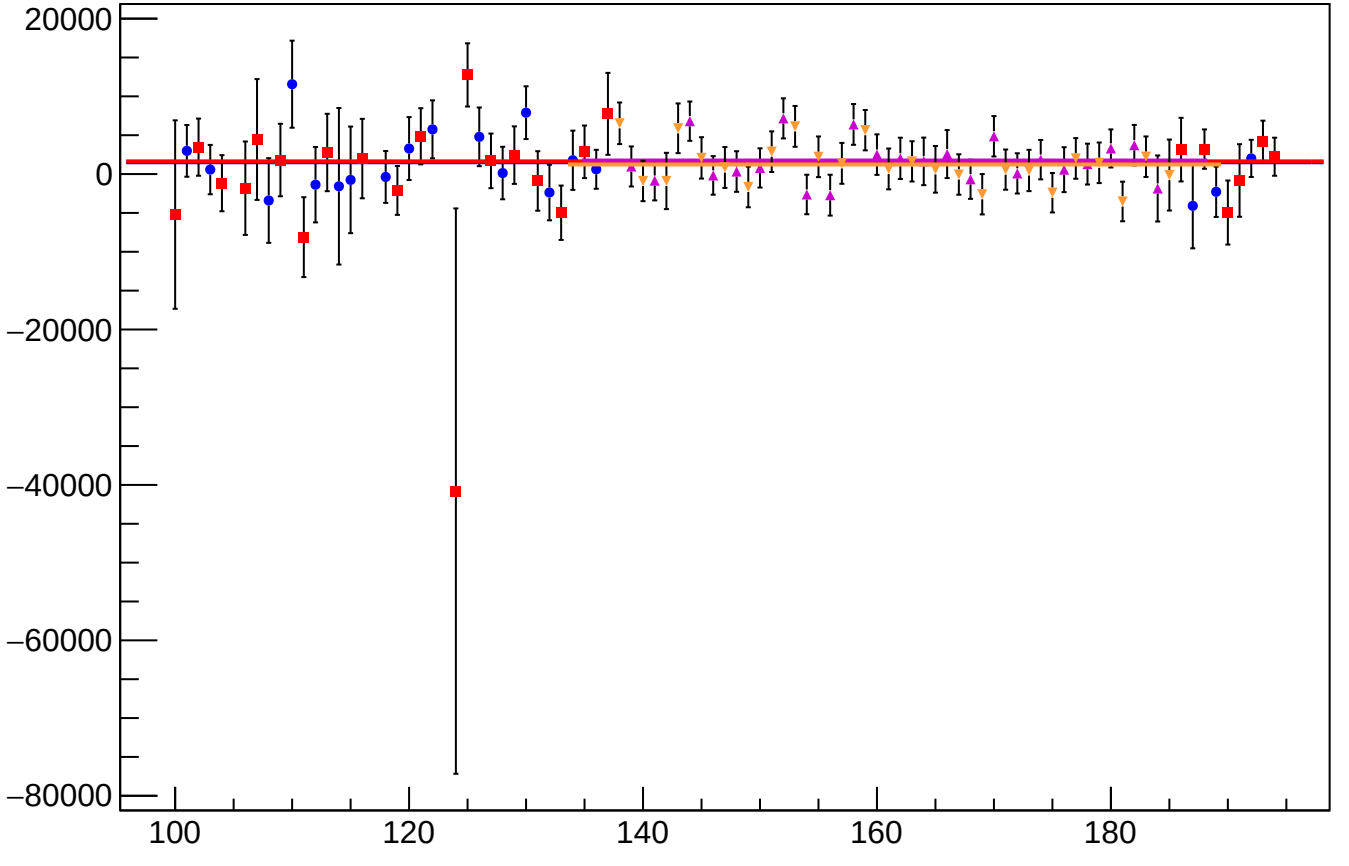
Right: 1181.534+/-0.194 χ^2/NDF: 2736872.1/43

In: 982.220+/-0.135 χ^2/NDF:1310115.9/41

Out: 1006.479+/-0.132 χ^2/NDF:3098808.5/49

All: 994.552+/-0.094 χ^2/NDF: 4425412.1/91

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1519.468+/-843.421 χ^2/NDF: 14.9/18

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: 1634.365+/-776.995 χ^2/NDF: 26.2/24

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

Left: 1482.688+/-386.910 χ^2/NDF: 48.7/47

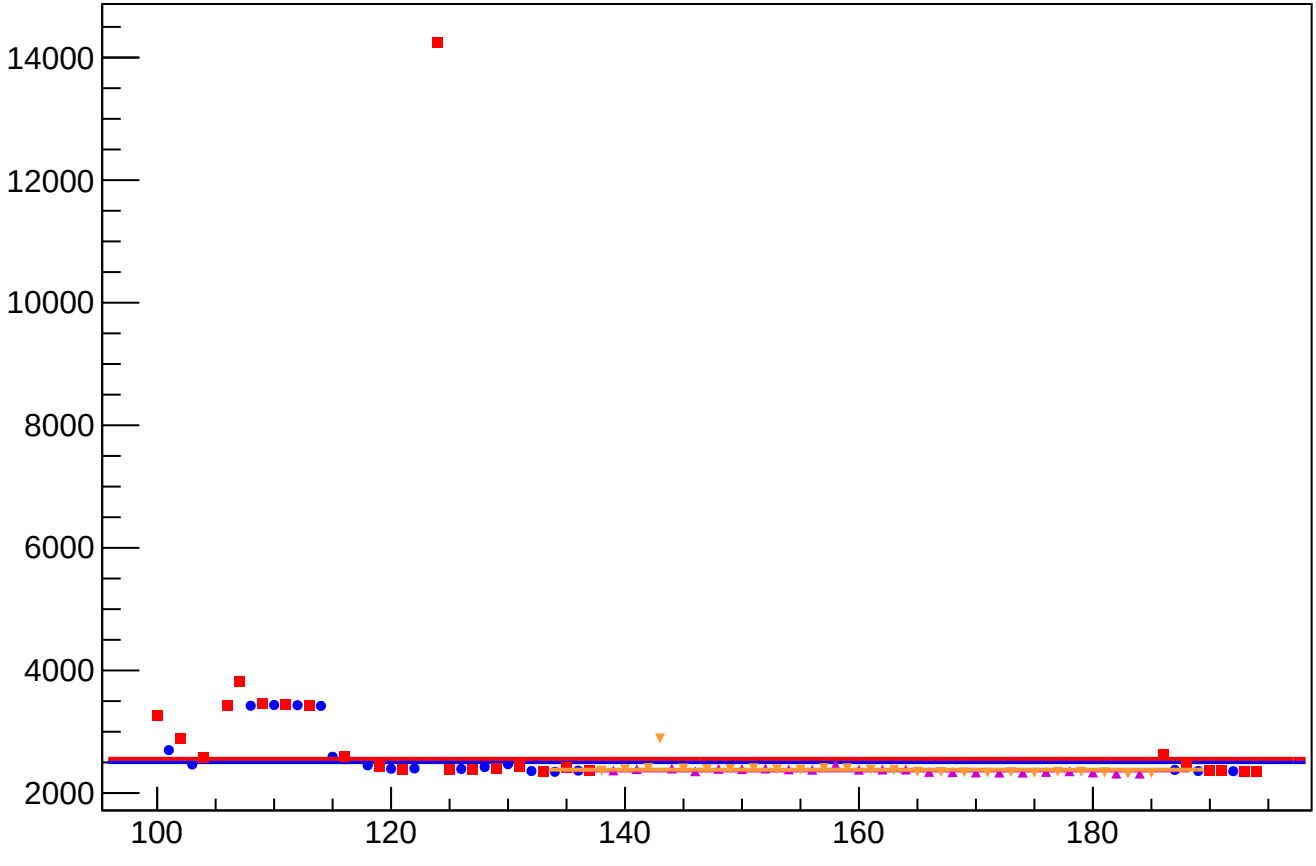
Right: 1581.619+/-571.461 χ^2/NDF: 41.1/43

In: 1674.865+/-462.608 χ^2/NDF:39.3/41

Out: 1365.306+/-444.141 χ^2/NDF:50.2/49

All: 1513.784+/-320.384 χ^2/NDF: 89.8/91

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2504.568+/-0.596 χ^2/NDF: 241840.2/18

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2558.281+/-0.549 χ^2/NDF: 588517.7/24

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

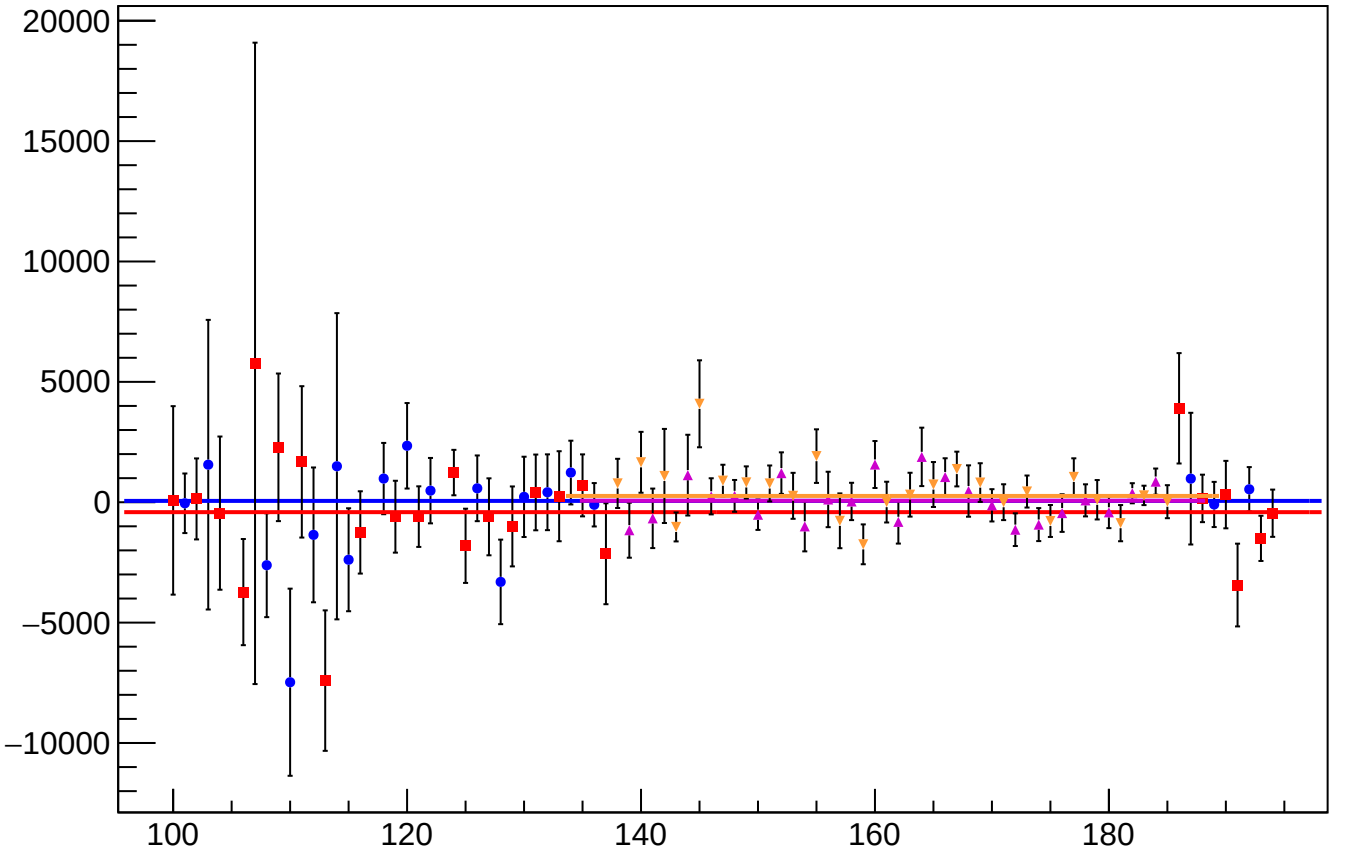
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2533.622+/-0.404 χ^2/NDF: 834745.6/43

In: 2410.053+/-0.327 χ^2/NDF:284796.7/41

Out: 2439.083+/-0.314 χ^2/NDF:716051.6/49

All: 2425.159+/-0.227 χ^2/NDF: 1004946.6/91



Right In: 55.280+/-342.535 χ^2/NDF: 14.2/18

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: -411.971+/-308.107 χ^2/NDF: 24.3/24

Left In: 61.960+/-157.394 χ^2/NDF:22.0/22

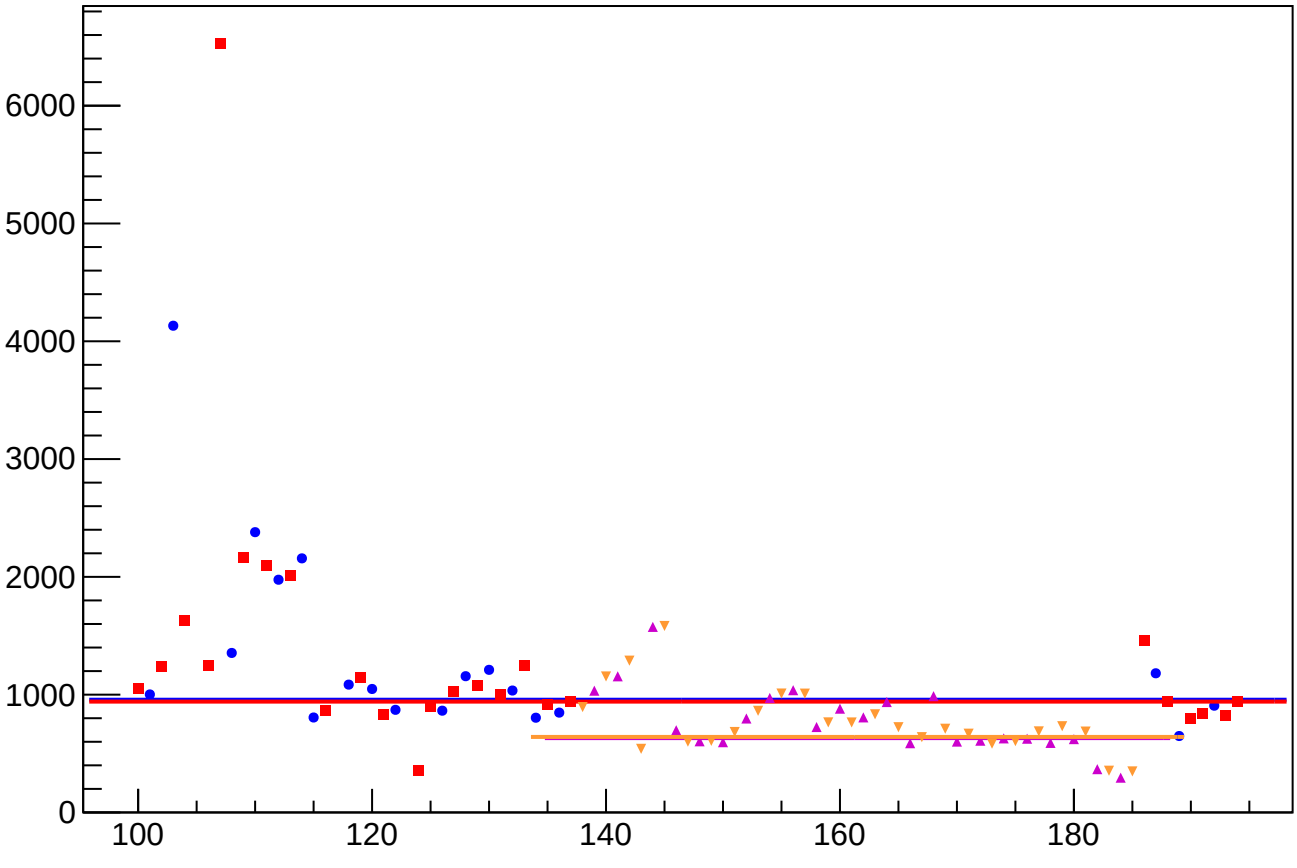
Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

Right: -203.001+/-229.072 χ^2/NDF: 39.5/43

In: 60.795+/-143.018 χ^2/NDF:36.2/41

Out: 127.169+/-137.758 χ^2/NDF:59.2/49

All: 95.225+/-99.217 χ^2/NDF: 95.6/91



Right In: 957.026+/-0.242 χ^2/NDF: 1647375.8/18

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 941.007+/-0.218 χ^2/NDF: 2479139.0/24

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

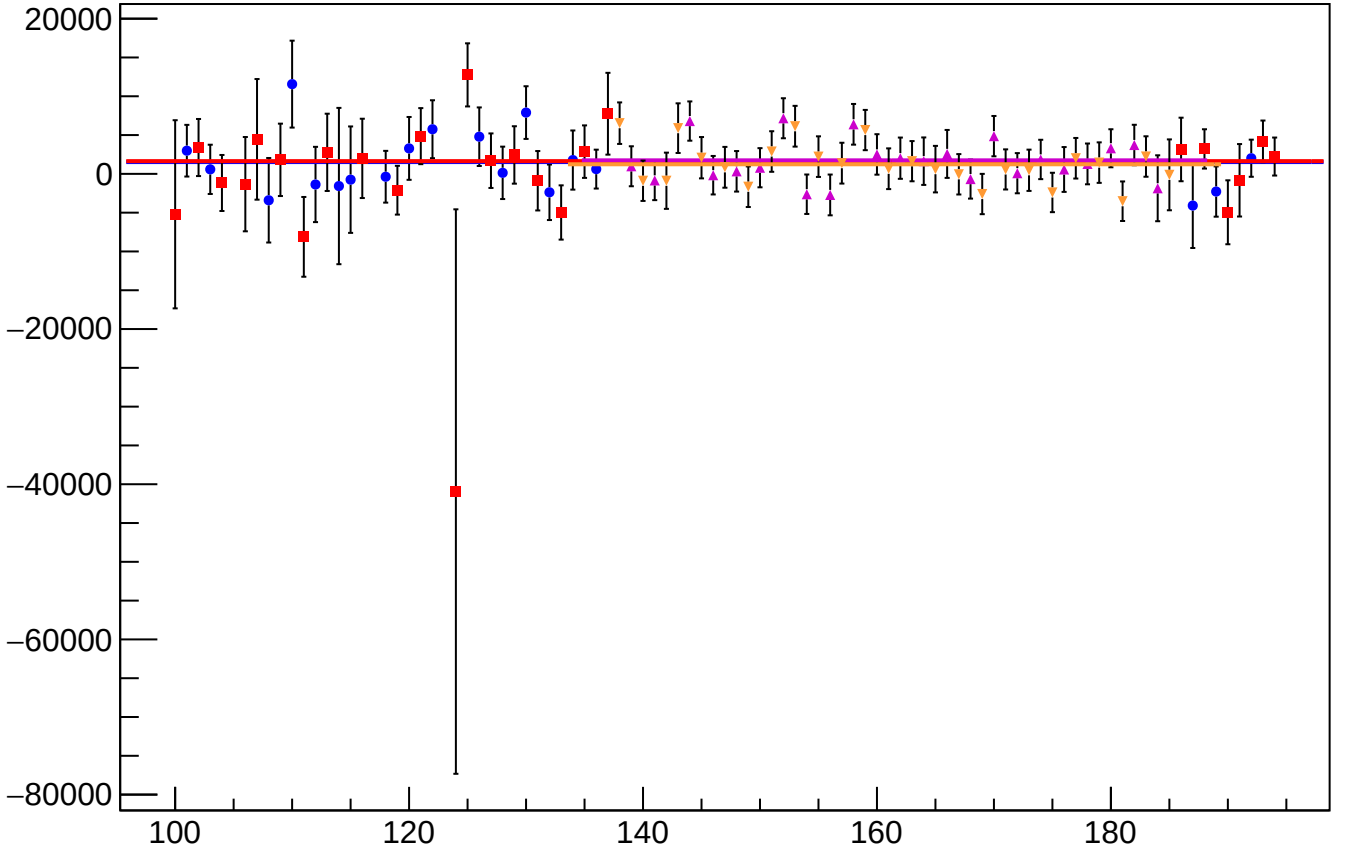
Right: 948.171+/-0.162 χ^2/NDF: 4128932.5/43

In: 688.000+/-0.101 χ^2/NDF:7116986.9/41

Out: 701.099+/-0.097 χ^2/NDF:7469577.9/49

All: 694.795+/-0.070 χ^2/NDF: 14595268.0/91

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1519.774+/-843.421 χ^2/NDF: 14.9/18

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1640.439+/-777.143 χ^2/NDF: 26.1/24

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

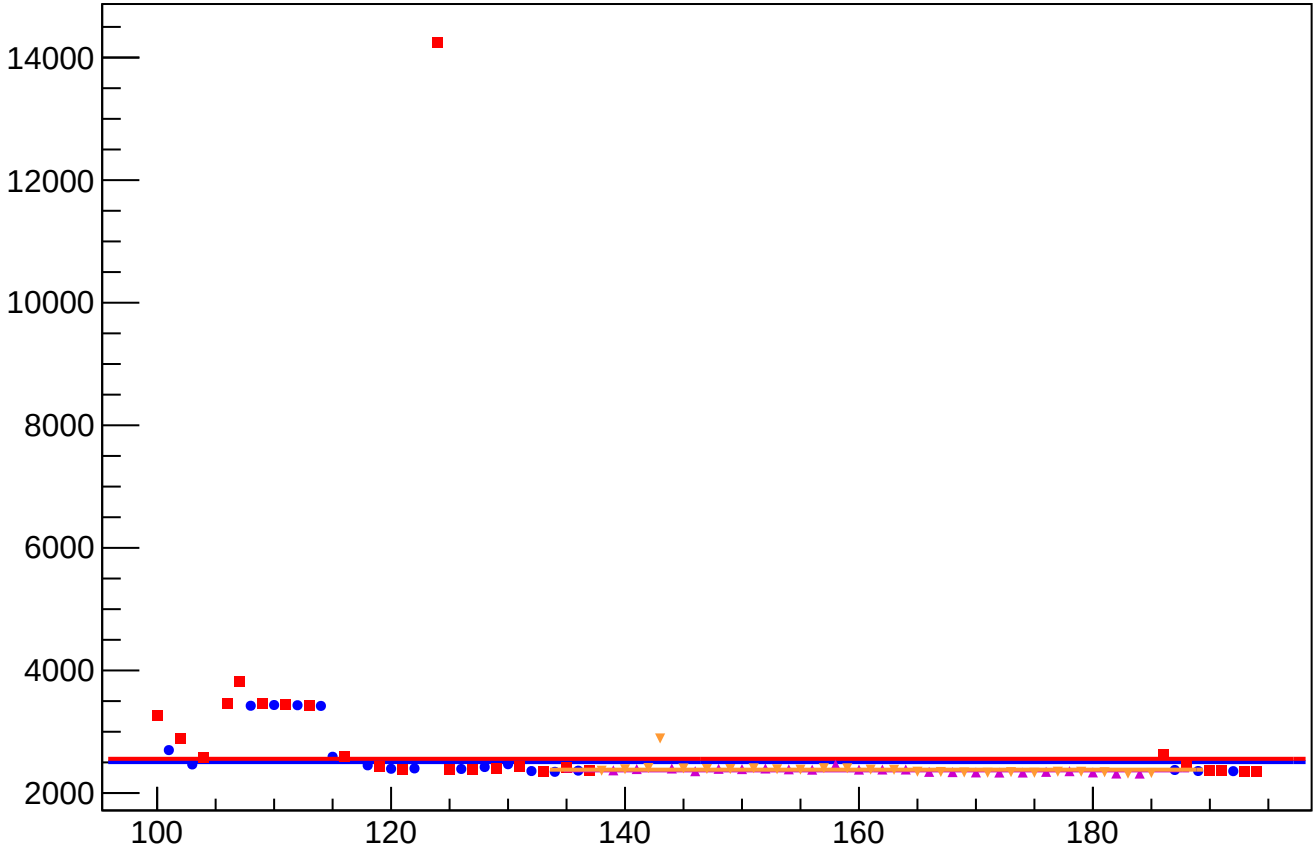
Right: 1585.034+/-571.520 χ^2/NDF: 41.0/43

In: 1674.994+/-462.608 χ^2/NDF:39.3/41

Out: 1367.242+/-444.168 χ^2/NDF:50.1/49

All: 1514.863+/-320.395 χ^2/NDF: 89.7/91

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2504.568+/-0.596 χ^2/NDF: 241840.2/18

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2558.593+/-0.550 χ^2/NDF: 591290.2/24

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

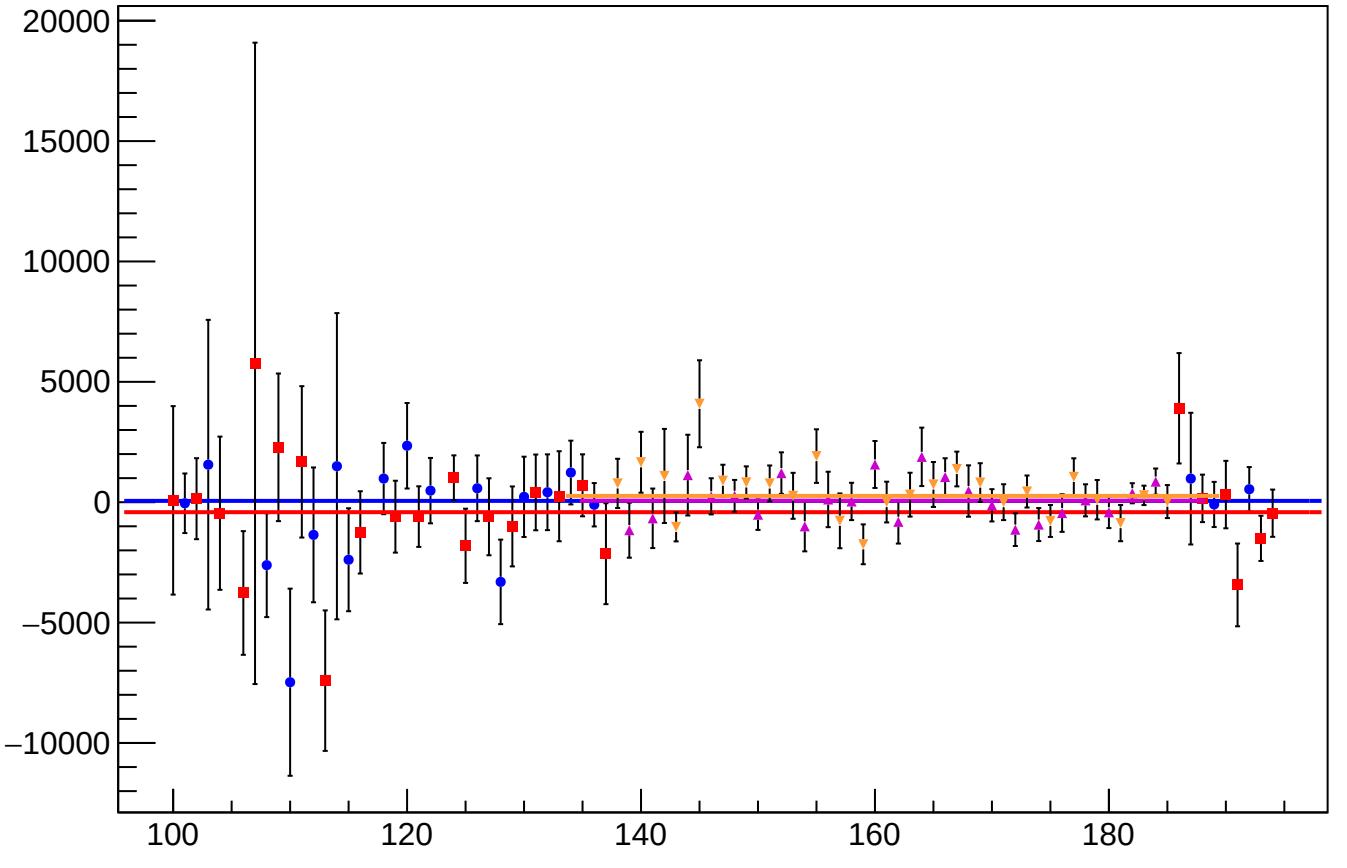
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2533.787+/-0.404 χ^2/NDF: 837568.5/43

In: 2410.053+/-0.327 χ^2/NDF:284796.7/41

Out: 2439.171+/-0.314 χ^2/NDF:719053.4/49

All: 2425.204+/-0.227 χ^2/NDF: 1007972.9/91



Right In: 55.223+/-342.533 χ^2/NDF: 14.2/18

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -414.051+/-308.462 χ^2/NDF: 23.0/24

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

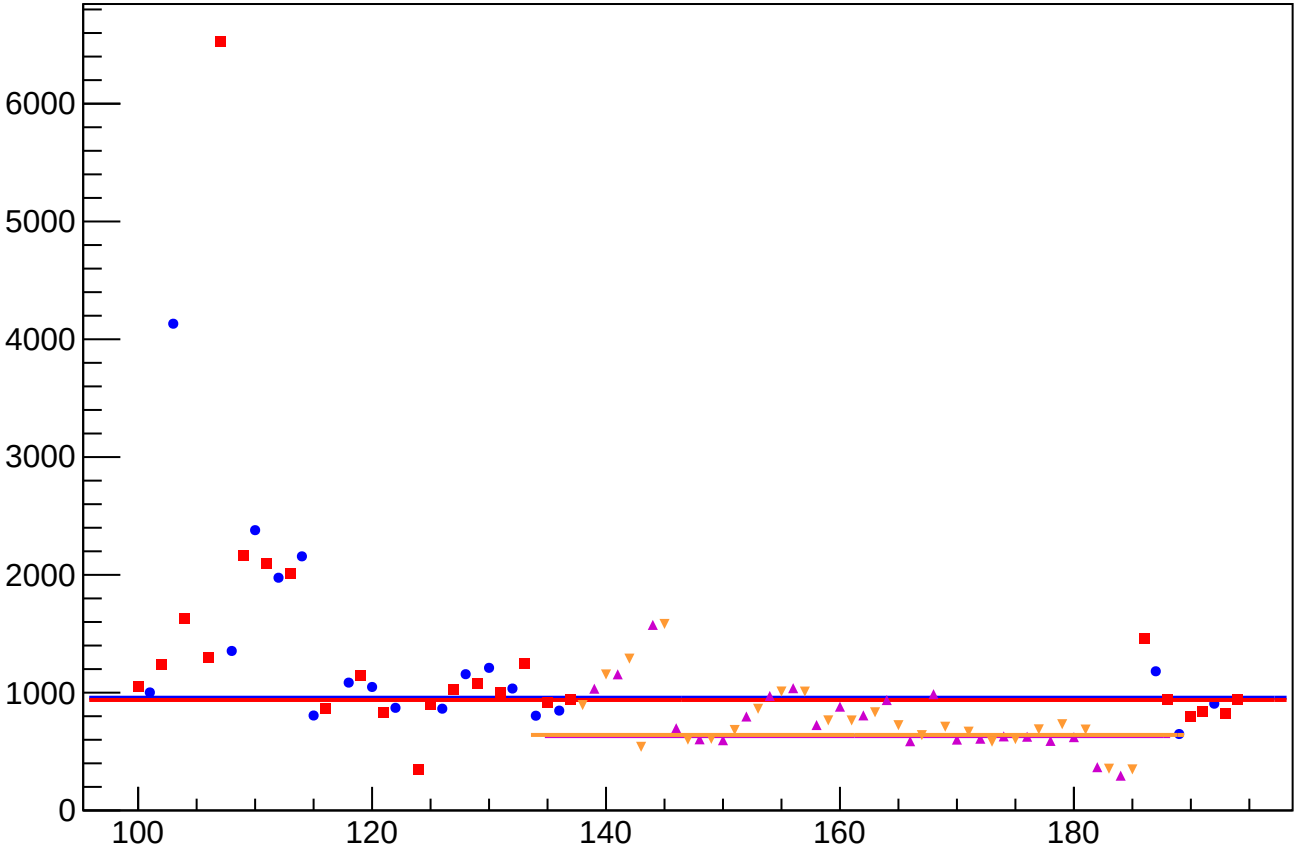
Right: -203.907+/-229.217 χ^2/NDF: 38.3/43

In: 60.799+/-143.017 χ^2/NDF:36.2/41

Out: 127.226+/-137.791 χ^2/NDF:58.0/49

All: 95.248+/-99.229 χ^2/NDF: 94.3/91

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 957.020+/-0.242 χ^2/NDF: 1647348.0/18

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 937.955+/-0.218 χ^2/NDF: 2511331.2/24

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

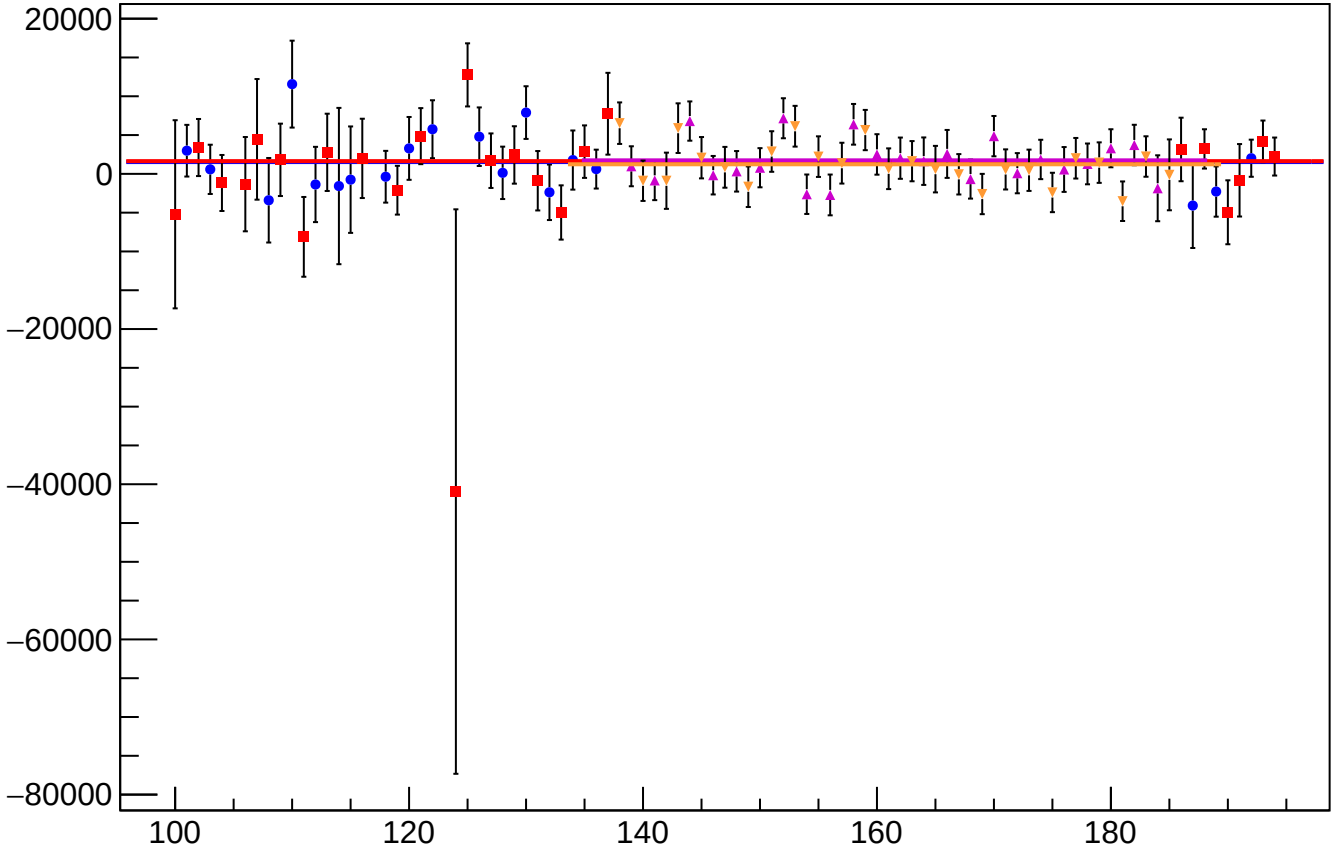
Right: 946.492+/-0.162 χ^2/NDF: 4162100.7/43

In: 687.997+/-0.101 χ^2/NDF:7117073.1/41

Out: 700.391+/-0.097 χ^2/NDF:7467920.7/49

All: 694.425+/-0.070 χ^2/NDF: 14592783.4/91

eigen_cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1519.774+/-843.421 χ^2/NDF: 14.9/18

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1640.439+/-777.143 χ^2/NDF: 26.1/24

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

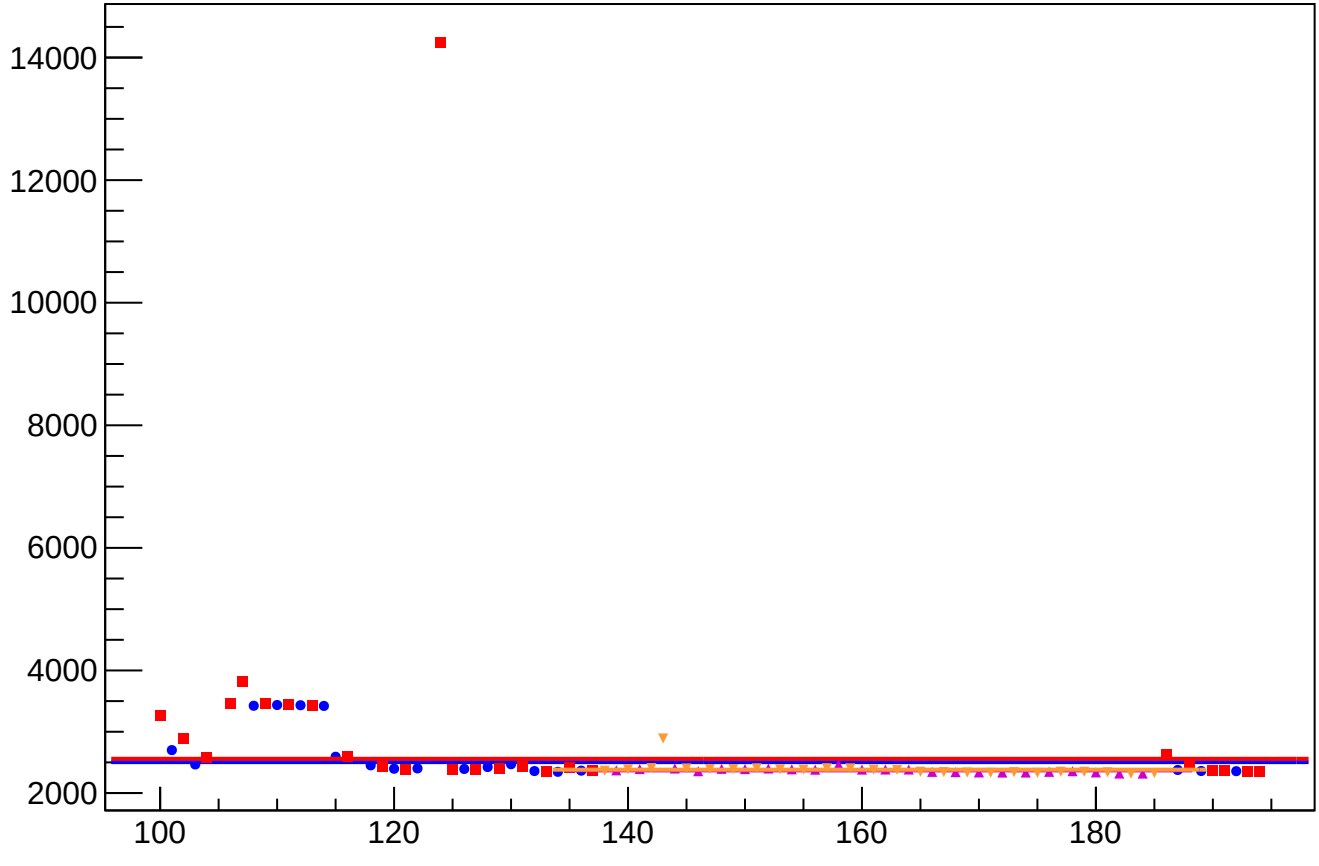
Right: 1585.034+/-571.520 χ^2/NDF: 41.0/43

In: 1674.994+/-462.608 χ^2/NDF:39.3/41

Out: 1367.242+/-444.168 χ^2/NDF:50.1/49

All: 1514.863+/-320.395 χ^2/NDF: 89.7/91

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2504.568+/-0.596 χ^2/NDF: 241840.2/18

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2558.593+/-0.550 χ^2/NDF: 591290.2/24

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

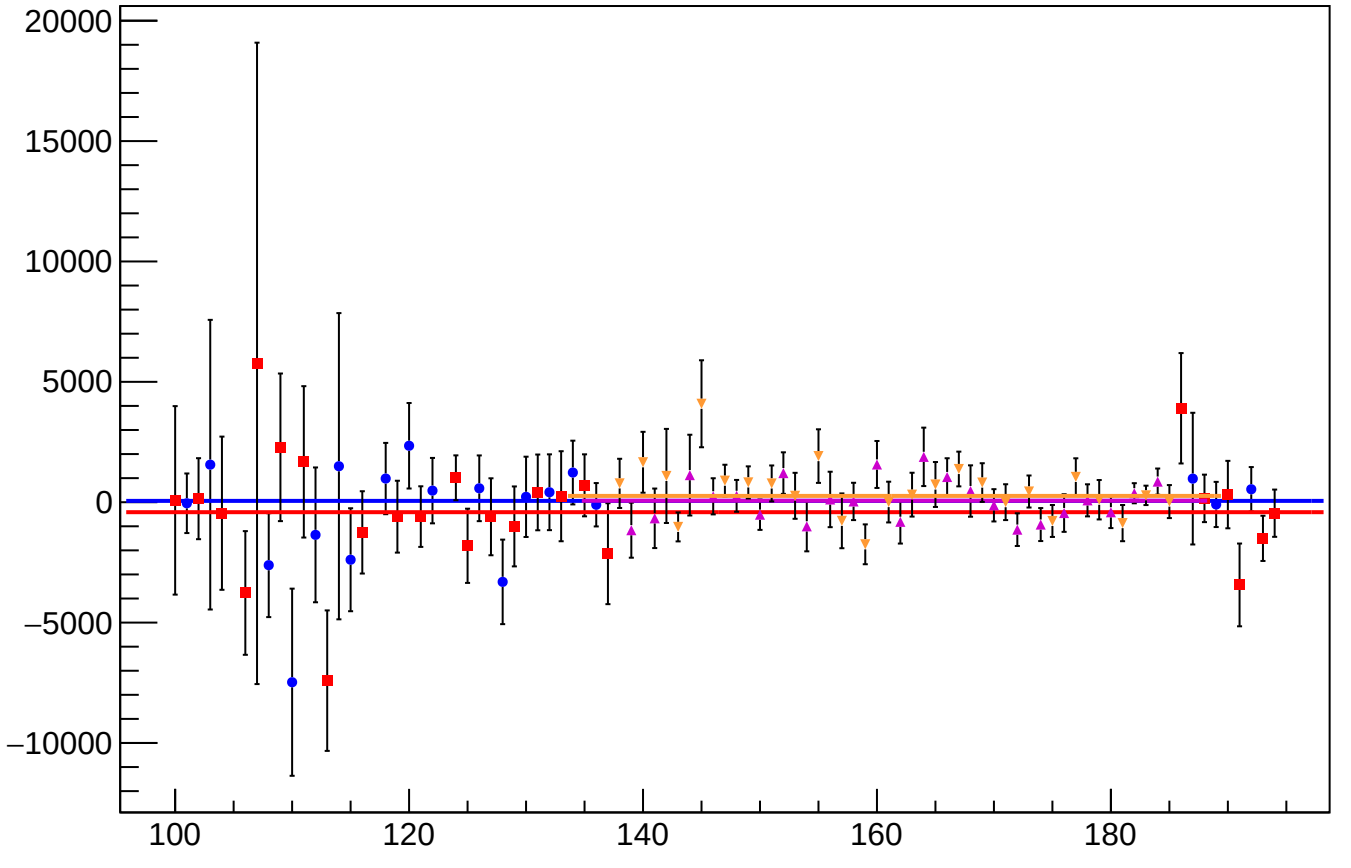
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2533.787+/-0.404 χ^2/NDF: 837568.5/43

In: 2410.053+/-0.327 χ^2/NDF:284796.7/41

Out: 2439.171+/-0.314 χ^2/NDF:719053.4/49

All: 2425.204+/-0.227 χ^2/NDF: 1007972.9/91



Right In: 55.223+/-342.533 χ^2/NDF: 14.2/18

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -414.051+/-308.462 χ^2/NDF: 23.0/24

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

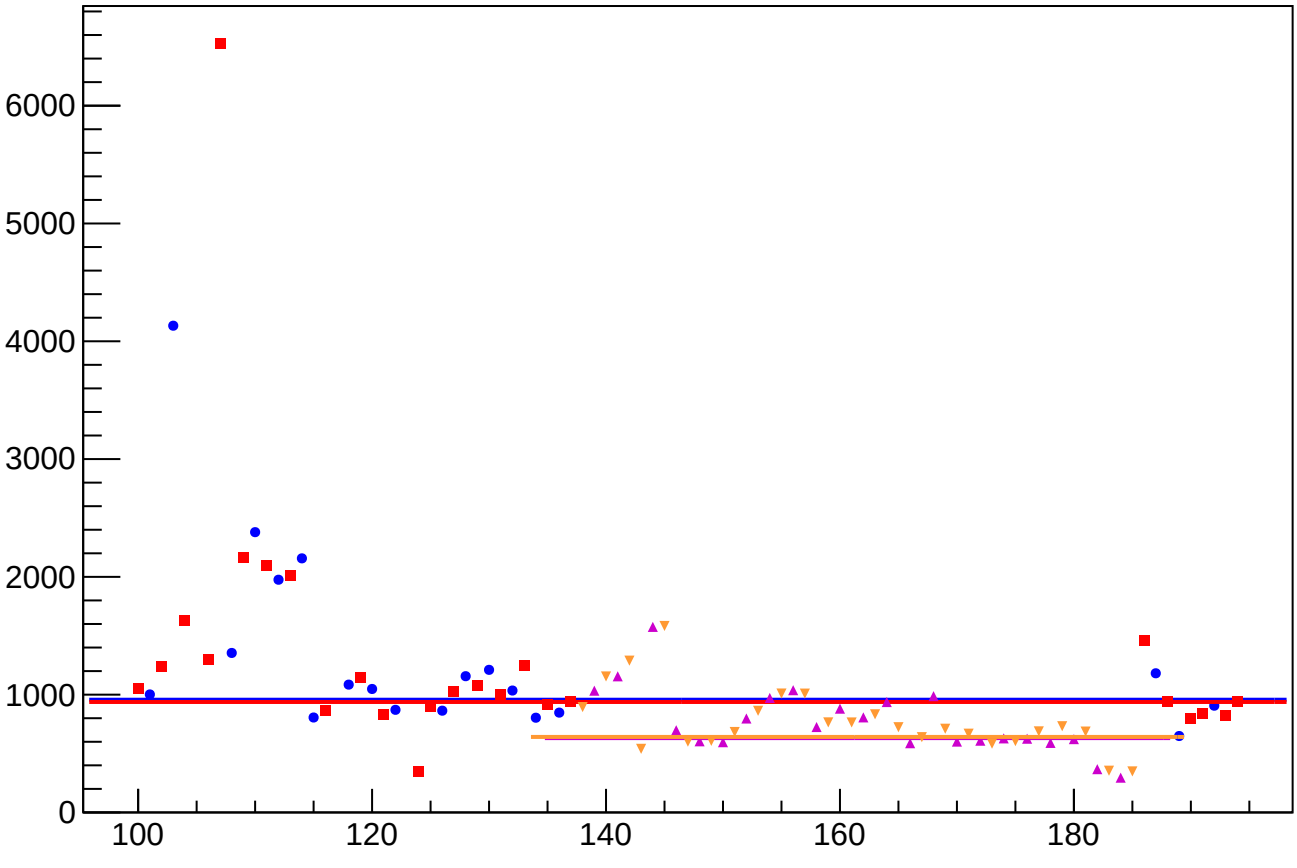
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -203.907+/-229.217 χ^2/NDF: 38.3/43

In: 60.799+/-143.017 χ^2/NDF:36.2/41

Out: 127.226+/-137.791 χ^2/NDF:58.0/49

All: 95.248+/-99.229 χ^2/NDF: 94.3/91



Right In: 957.020+/-0.242 χ^2/NDF: 1647348.0/18

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 937.955+/-0.218 χ^2/NDF: 2511331.2/24

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

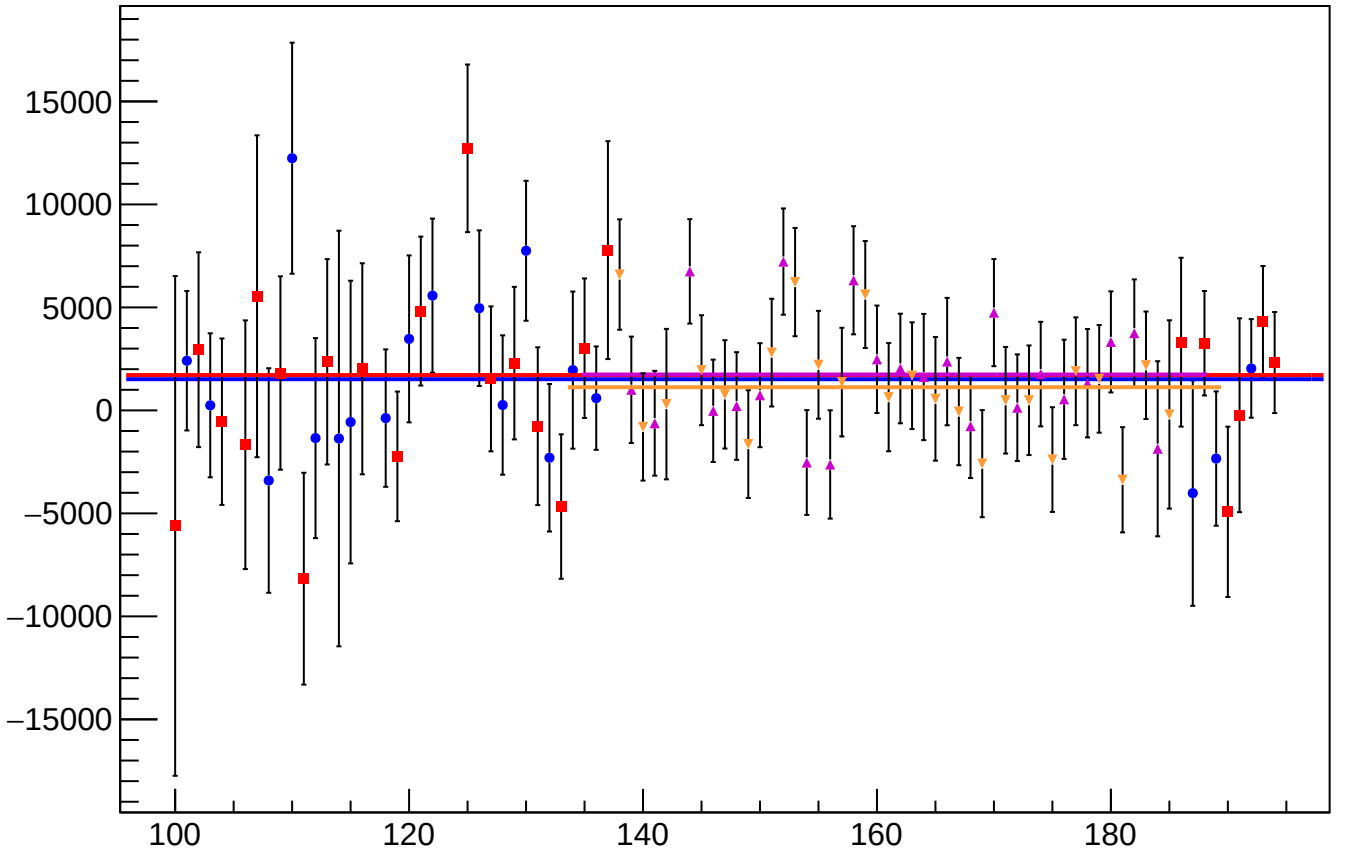
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 946.492+/-0.162 χ^2/NDF: 4162100.7/43

In: 687.997+/-0.101 χ^2/NDF:7117073.1/41

Out: 700.391+/-0.097 χ^2/NDF:7467920.7/49

All: 694.425+/-0.070 χ^2/NDF: 14592783.4/91



Right In: 1514.215+/-850.679 χ^2/NDF: 15.0/18

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1715.353+/-789.117 χ^2/NDF: 24.1/23

Left In: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

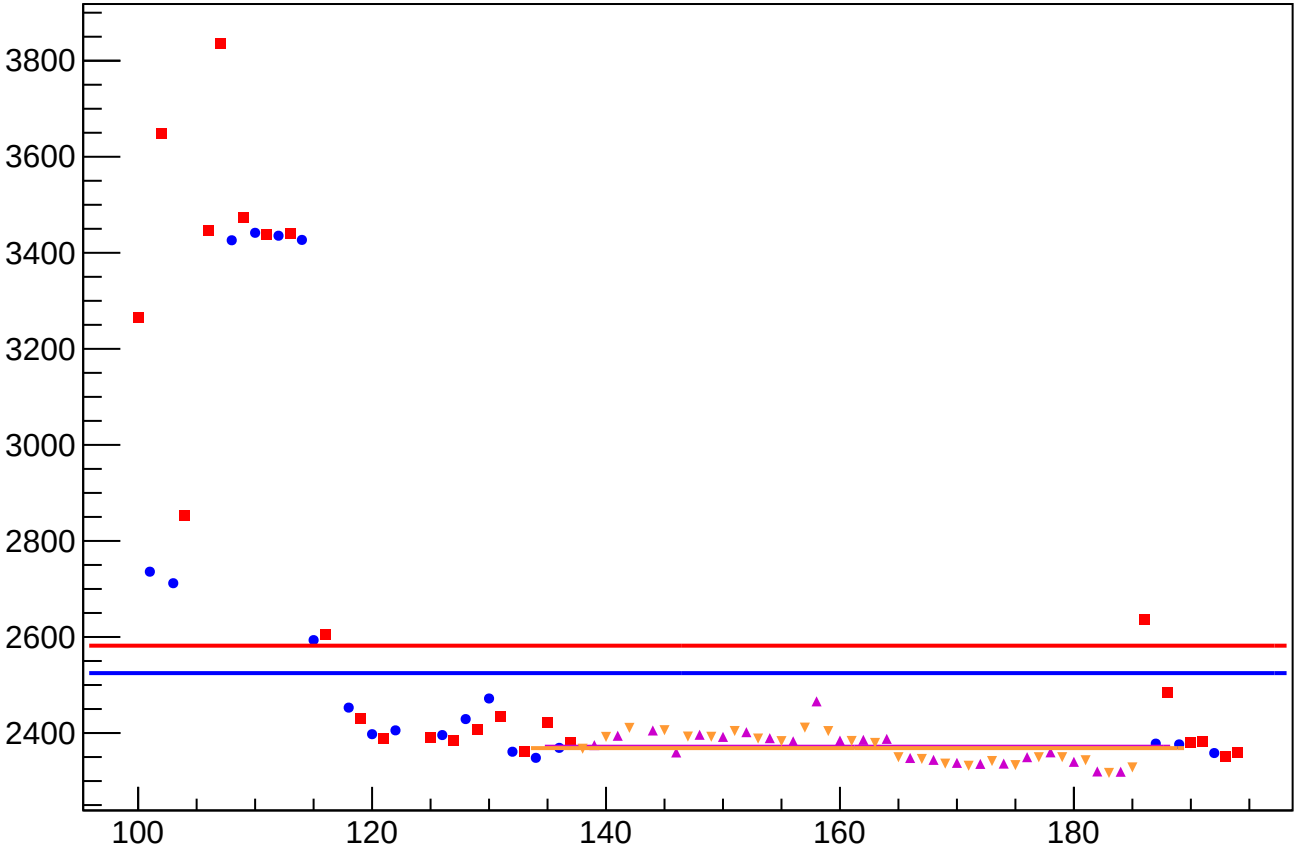
Right: 1622.325+/-578.531 χ^2/NDF: 39.2/42

In: 1674.419+/-464.089 χ^2/NDF:38.8/41

Out: 1318.318+/-451.125 χ^2/NDF:45.7/47

All: 1491.325+/-323.480 χ^2/NDF: 84.9/89

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2524.753+/-0.602 χ^2/NDF: 248996.6/18

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2581.892+/-0.558 χ^2/NDF: 483452.7/23

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

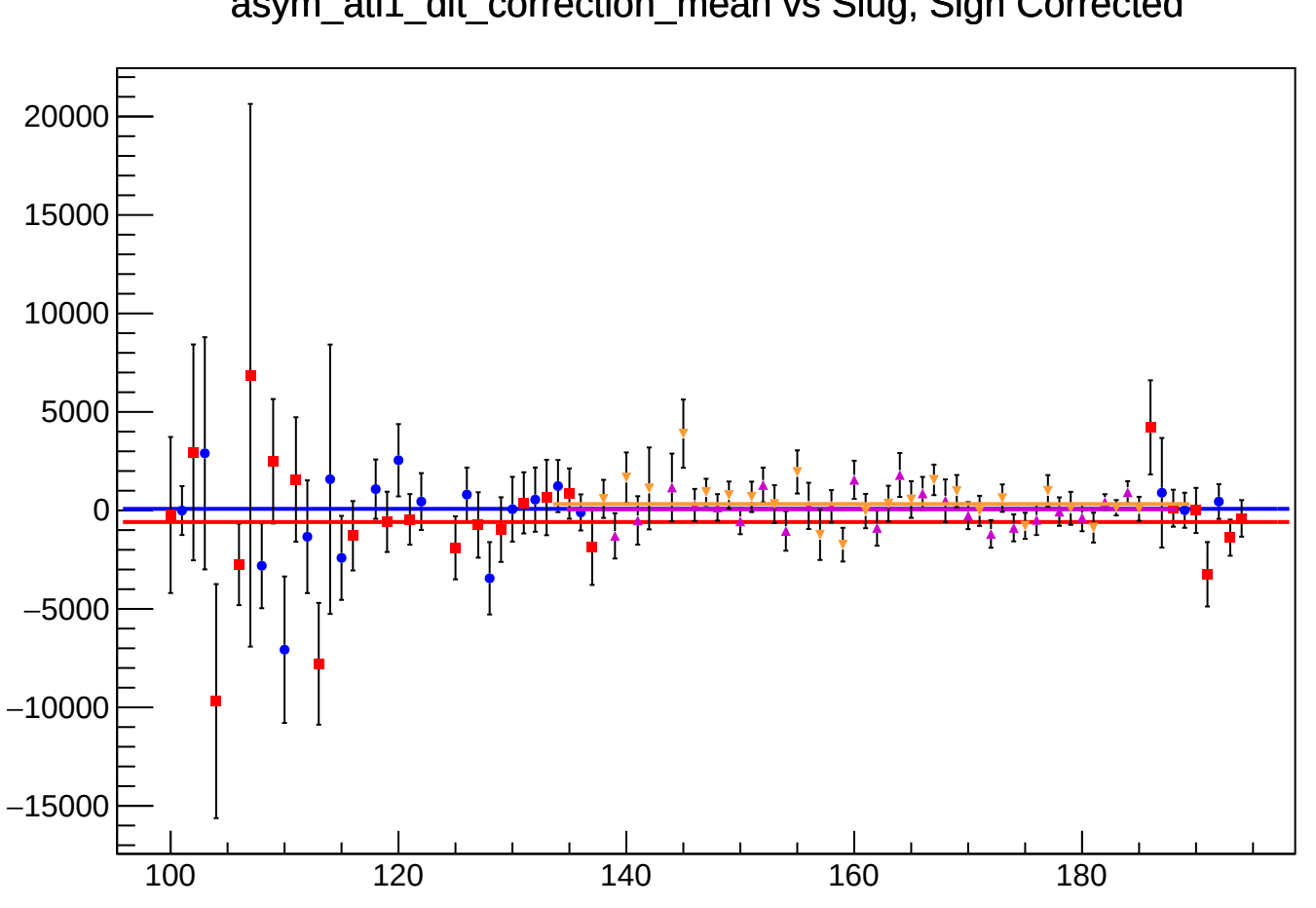
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2555.464+/-0.409 χ^2/NDF: 737299.1/42

In: 2417.125+/-0.328 χ^2/NDF:301631.0/41

Out: 2438.287+/-0.319 χ^2/NDF:587414.0/47

All: 2428.006+/-0.229 χ^2/NDF: 891183.2/89



Right In: 78.282+/-341.731 χ^2/NDF: 14.8/18

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: -589.574+/-324.248 χ^2/NDF: 22.7/23

Left In: 59.619+/-159.669 χ^2/NDF:22.7/22

Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

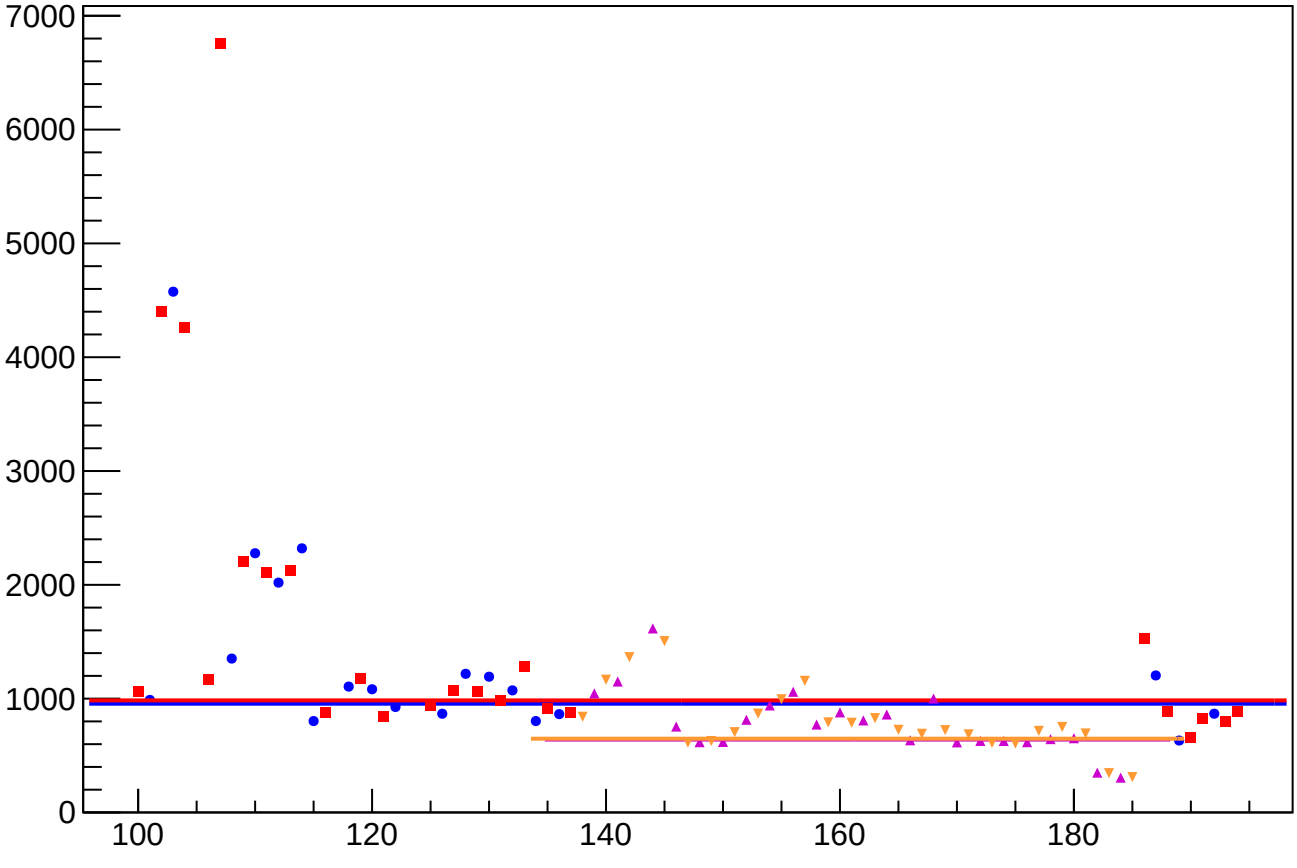
Right: -273.166+/-235.216 χ^2/NDF: 39.5/42

In: 62.963+/-144.658 χ^2/NDF:37.5/41

Out: 146.608+/-143.512 χ^2/NDF:55.9/47

All: 105.118+/-101.881 χ^2/NDF: 93.6/89

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 955.594+/-0.242 χ^2/NDF: 1921451.7/18

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 984.670+/-0.229 χ^2/NDF: 3124026.5/23

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

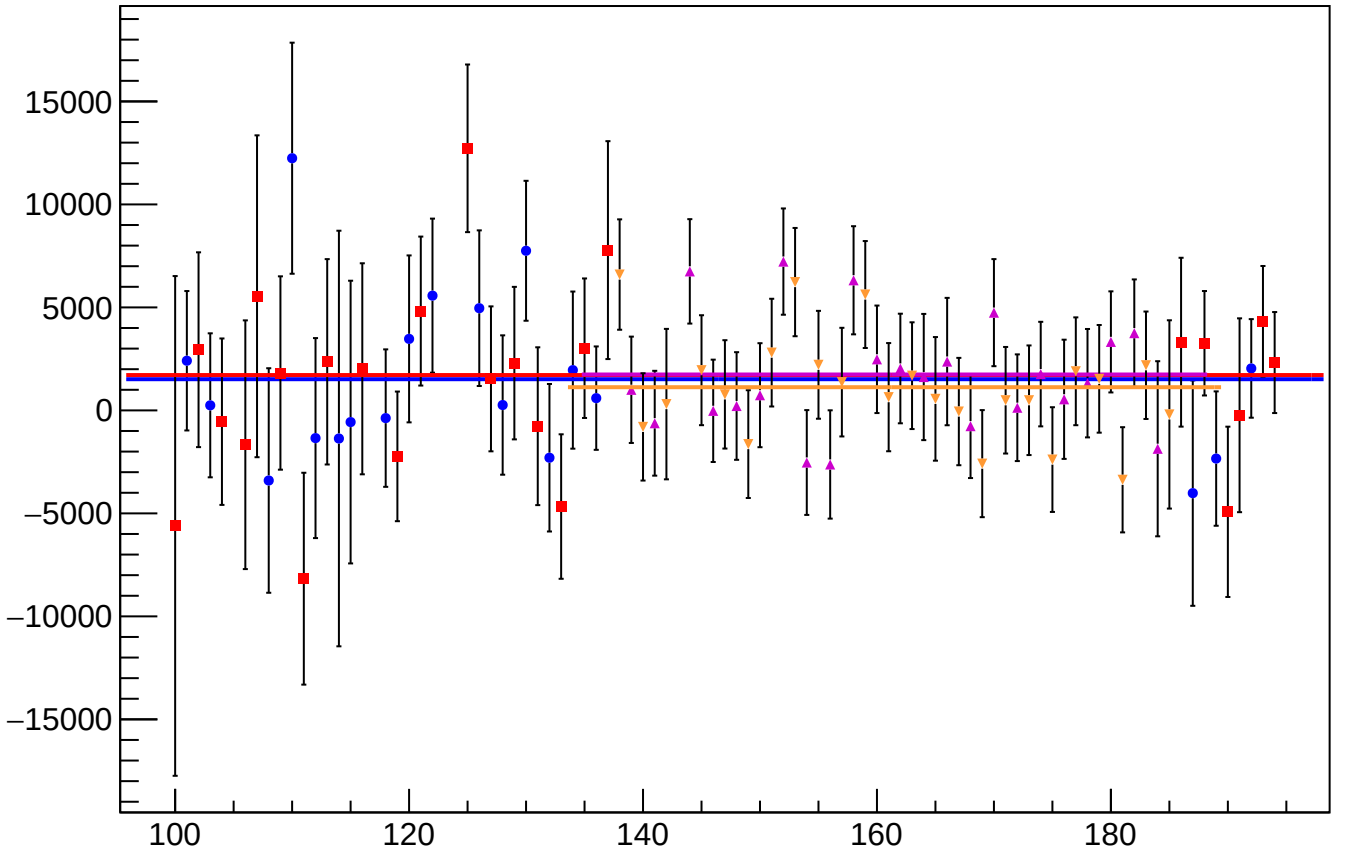
Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

Right: 970.894+/-0.166 χ^2/NDF: 5053097.4/42

In: 696.898+/-0.102 χ^2/NDF:7446577.6/41

Out: 714.032+/-0.101 χ^2/NDF:8743770.2/47

All: 705.533+/-0.072 χ^2/NDF: 16204489.1/89



Right In: 1514.213+/-850.679 χ^2/NDF: 15.0/18

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1715.351+/-789.117 χ^2/NDF: 24.1/23

Left In: 1742.305+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

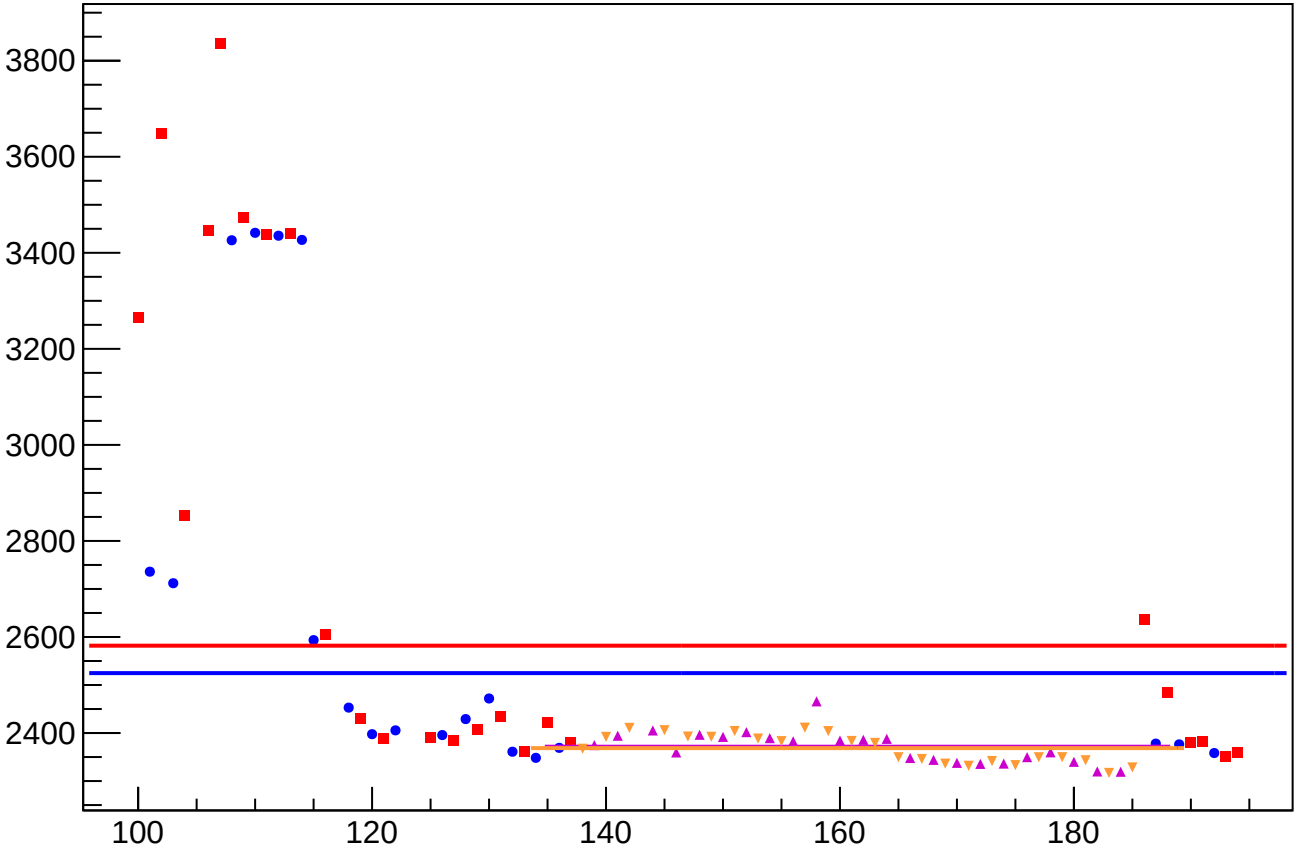
Right: 1622.323+/-578.531 χ^2/NDF: 39.2/42

In: 1674.419+/-464.089 χ^2/NDF:38.8/41

Out: 1318.318+/-451.125 χ^2/NDF:45.7/47

All: 1491.325+/-323.480 χ^2/NDF: 84.9/89

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2524.753+/-0.602 χ^2/NDF: 248996.3/18

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2581.891+/-0.558 χ^2/NDF: 483451.9/23

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

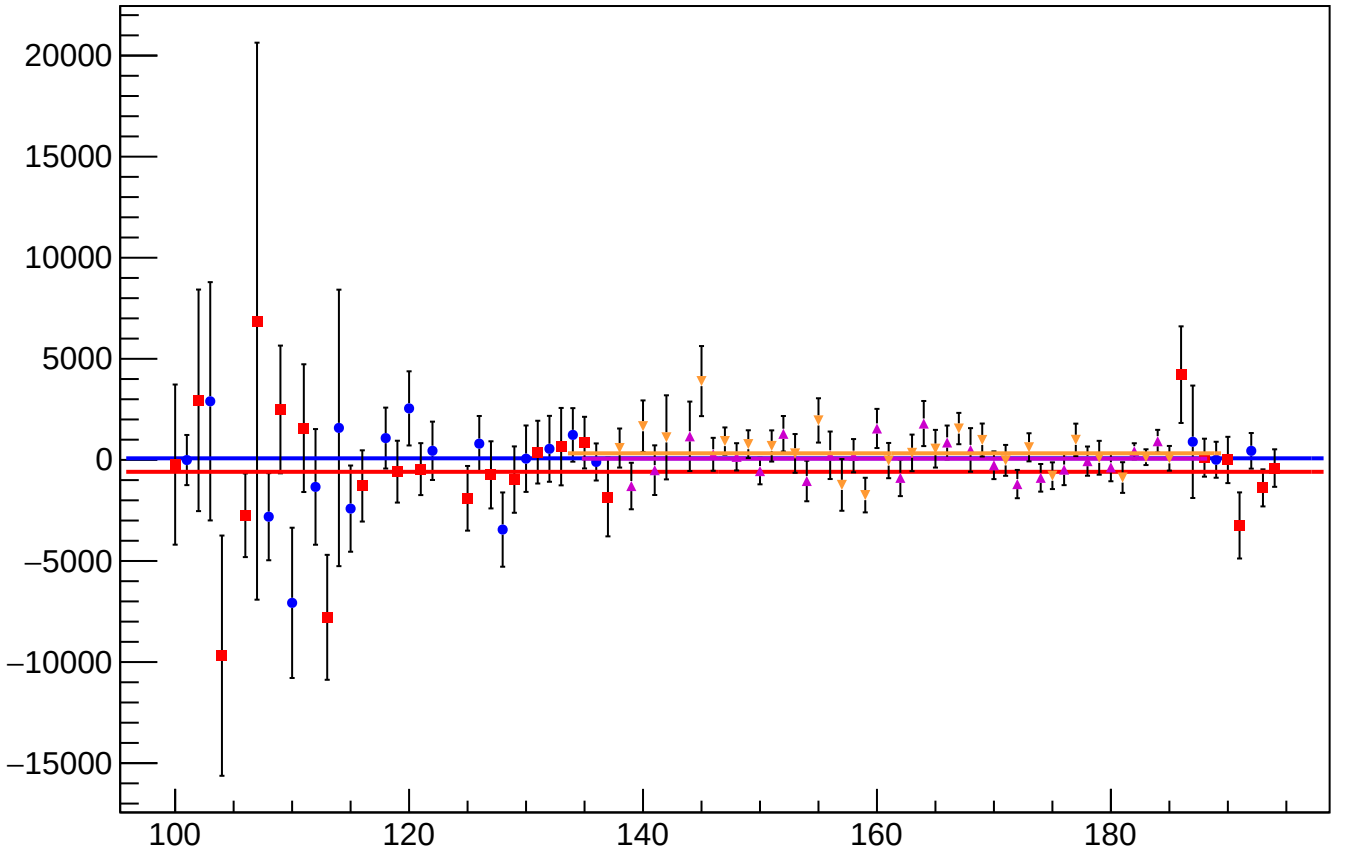
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2555.464+/-0.409 χ^2/NDF: 737298.0/42

In: 2417.125+/-0.328 χ^2/NDF:301630.5/41

Out: 2438.287+/-0.319 χ^2/NDF:587413.0/47

All: 2428.006+/-0.229 χ^2/NDF: 891181.8/89



Right In: 78.280+/-341.731 χ^2/NDF: 14.8/18

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: -589.574+/-324.248 χ^2/NDF: 22.7/23

Left In: 59.619+/-159.670 χ^2/NDF:22.7/22

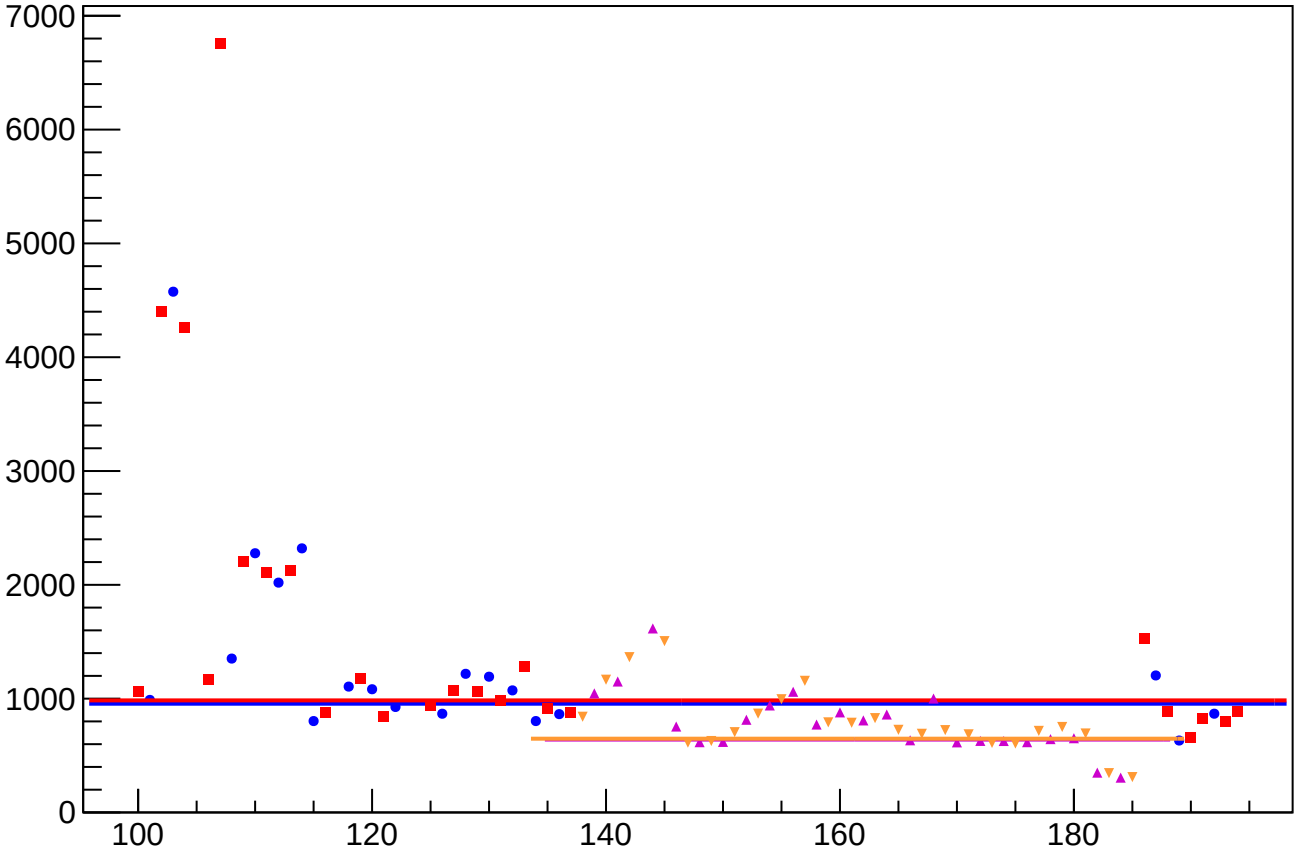
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: -273.167+/-235.216 χ^2/NDF: 39.5/42

In: 62.963+/-144.658 χ^2/NDF:37.5/41

Out: 146.607+/-143.512 χ^2/NDF:55.9/47

All: 105.118+/-101.881 χ^2/NDF: 93.6/89



Right In: 955.594+/-0.242 χ^2/NDF: 1921448.5/18

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 984.669+/-0.229 χ^2/NDF: 3124026.7/23

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

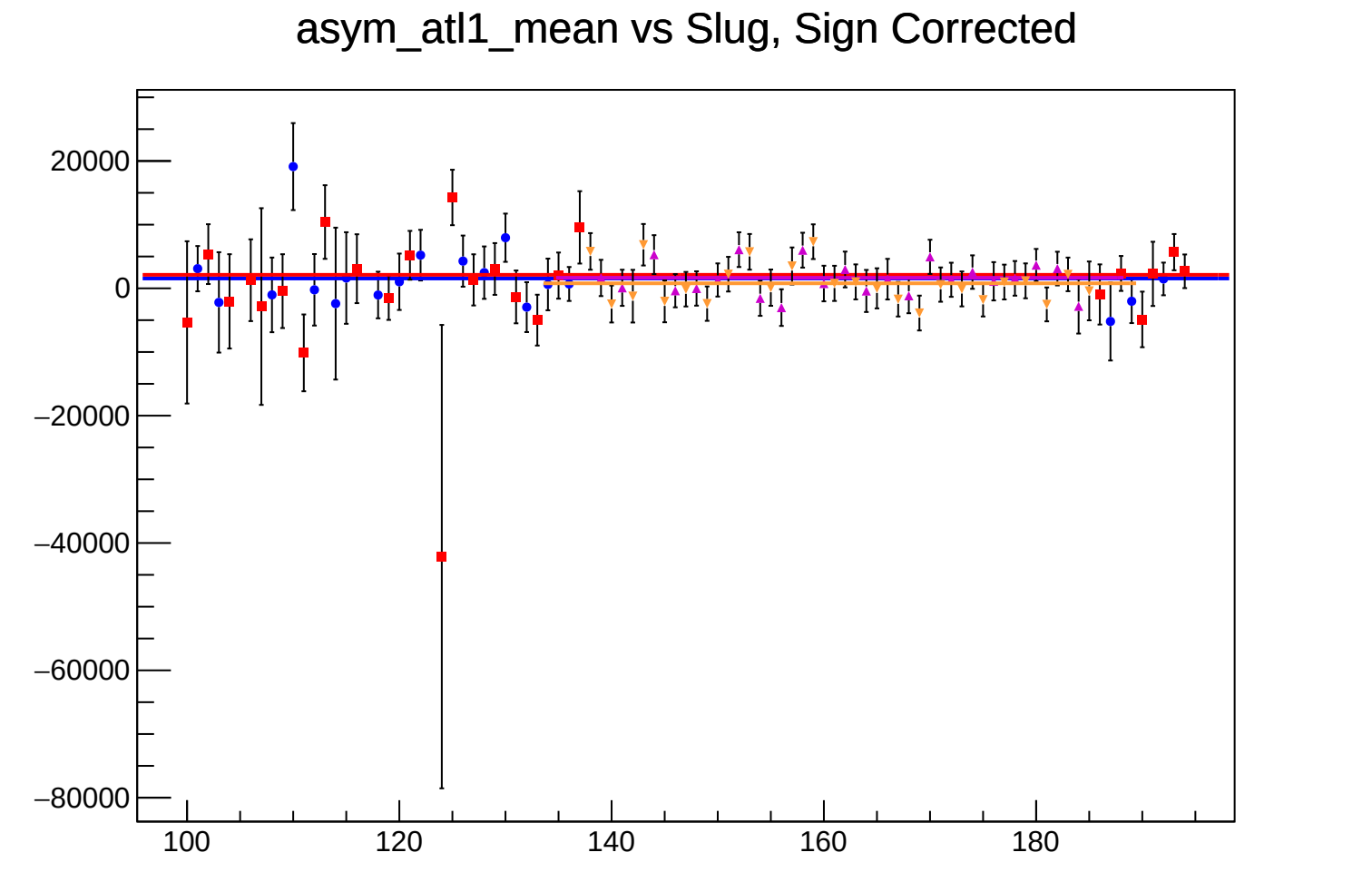
Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

Right: 970.894+/-0.166 χ^2/NDF: 5053094.0/42

In: 696.899+/-0.102 χ^2/NDF:7446582.3/41

Out: 714.033+/-0.101 χ^2/NDF:8743767.4/47

All: 705.534+/-0.072 χ^2/NDF: 16204491.1/89



Right In: 1542.066+/-947.627 χ^2/NDF: 15.9/18

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: 2121.848+/-873.765 χ^2/NDF: 28.9/24

Left In: 1654.626+/-586.767 χ^2/NDF:17.3/22

Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

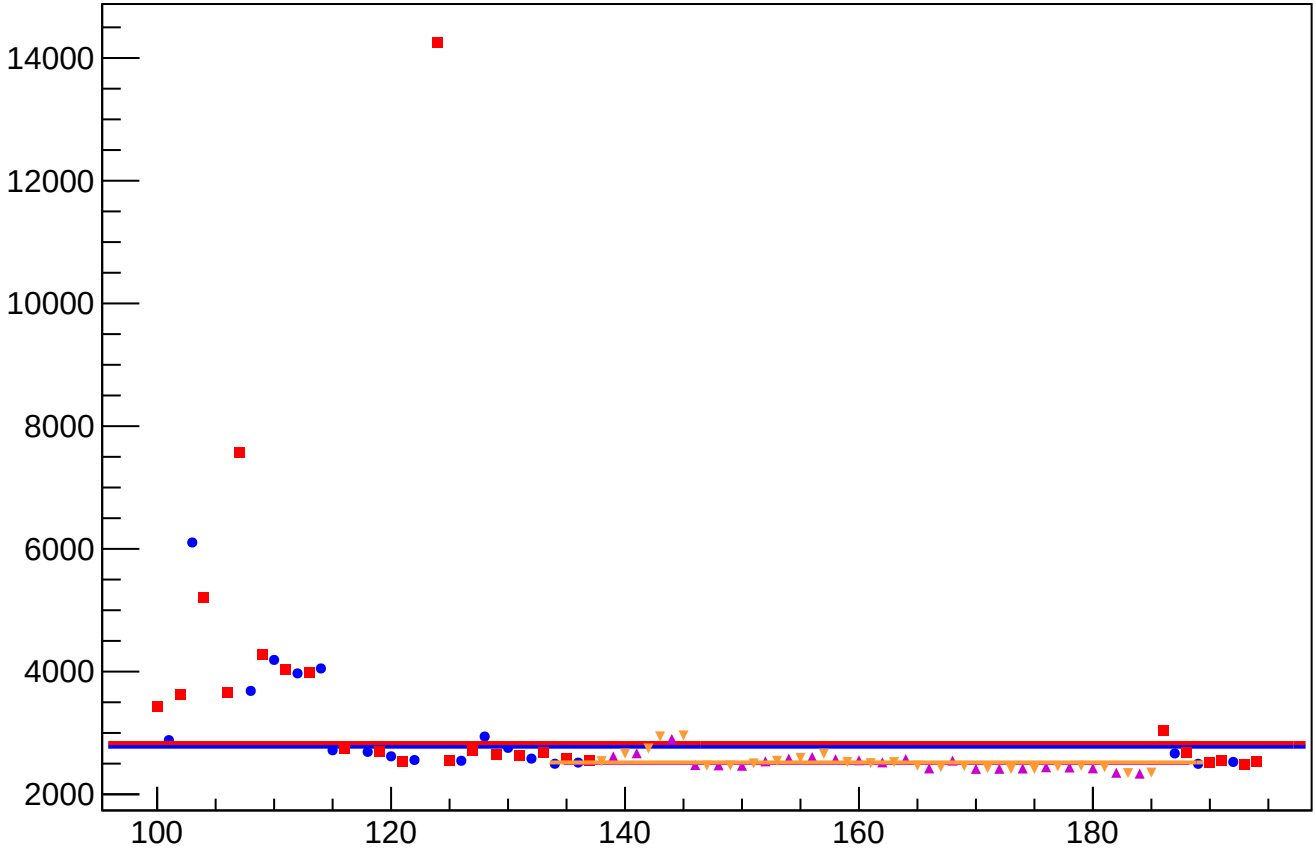
Right: 1855.430+/-642.373 χ^2/NDF: 45.1/43

In: 1623.430+/-498.874 χ^2/NDF:33.3/41

Out: 1191.784+/-479.314 χ^2/NDF:57.7/49

All: 1398.979+/-345.634 χ^2/NDF: 91.4/91

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2776.289+/-0.670 χ^2/NDF: 691267.6/18

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2835.922+/-0.618 χ^2/NDF: 1099548.1/24

Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

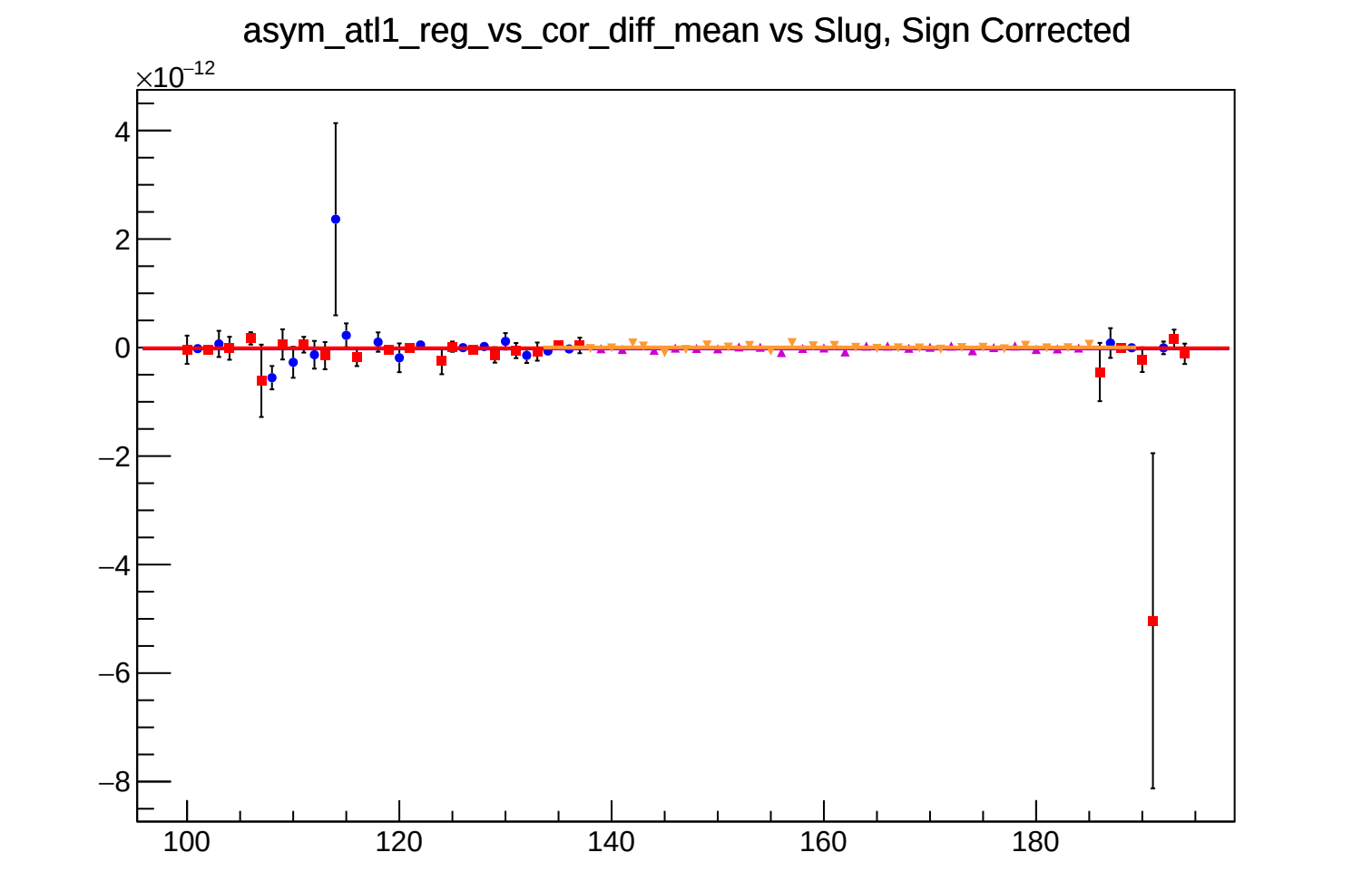
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

Right: 2808.520+/-0.454 χ^2/NDF: 1795096.3/43

In: 2583.913+/-0.353 χ^2/NDF:879065.3/41

Out: 2614.728+/-0.339 χ^2/NDF:1398092.8/49

All: 2599.937+/-0.244 χ^2/NDF: 2281126.0/91



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/24

Left In: -0.000+/-0.000 χ^2/NDF:32.3/22

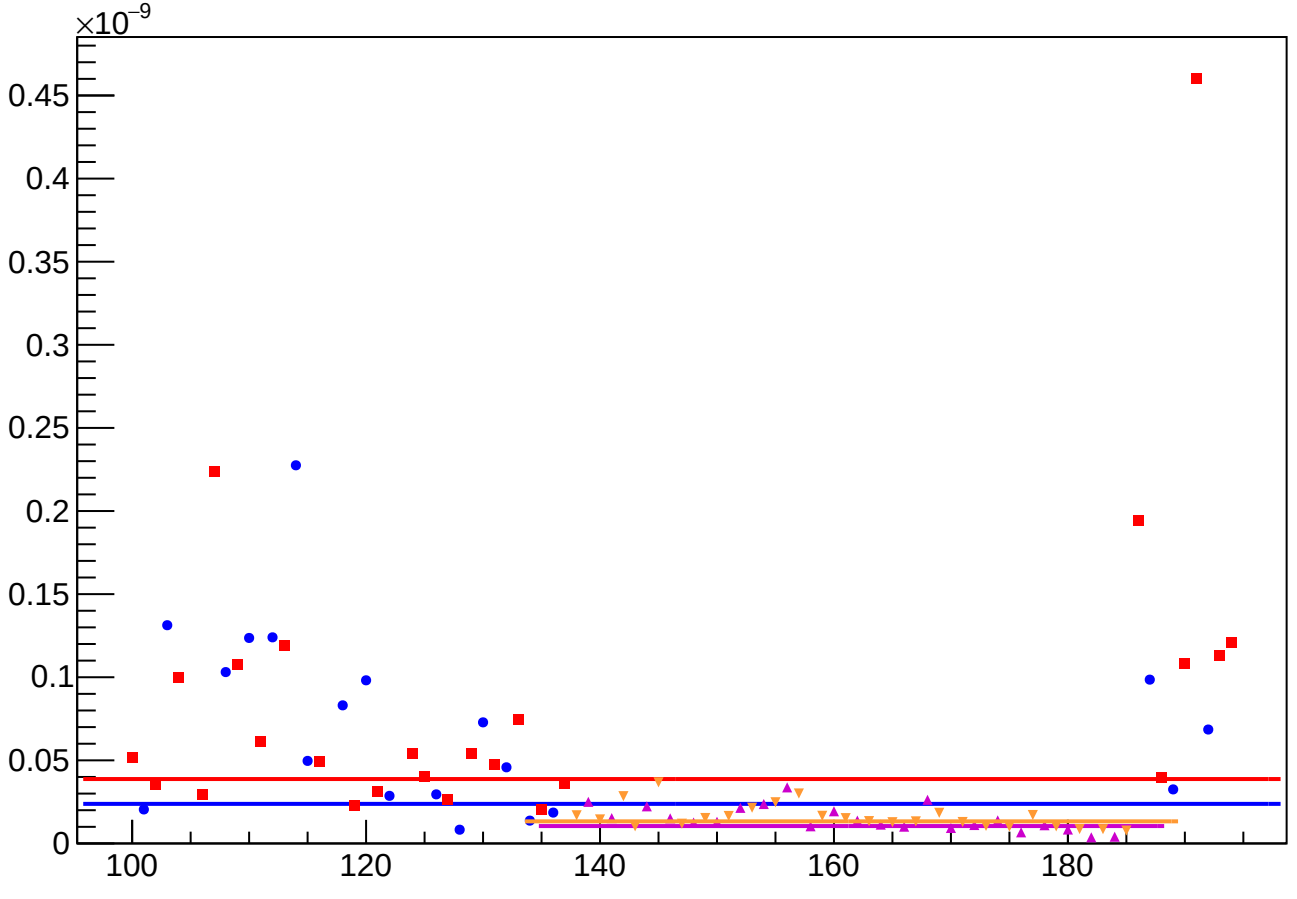
Left: -0.000+/-0.000 χ^2/NDF: 66.1/47

Right: -0.000+/-0.000 χ^2/NDF: 29.4/43

In: -0.000+/-0.000 χ^2/NDF:48.0/41

Out: 0.000+/-0.000 χ^2/NDF:42.9/49

All: -0.000+/-0.000 χ^2/NDF: 96.0/91



Right In: 0.000+/-0.000 χ^2/NDF: 2835639.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2427244.0/24

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

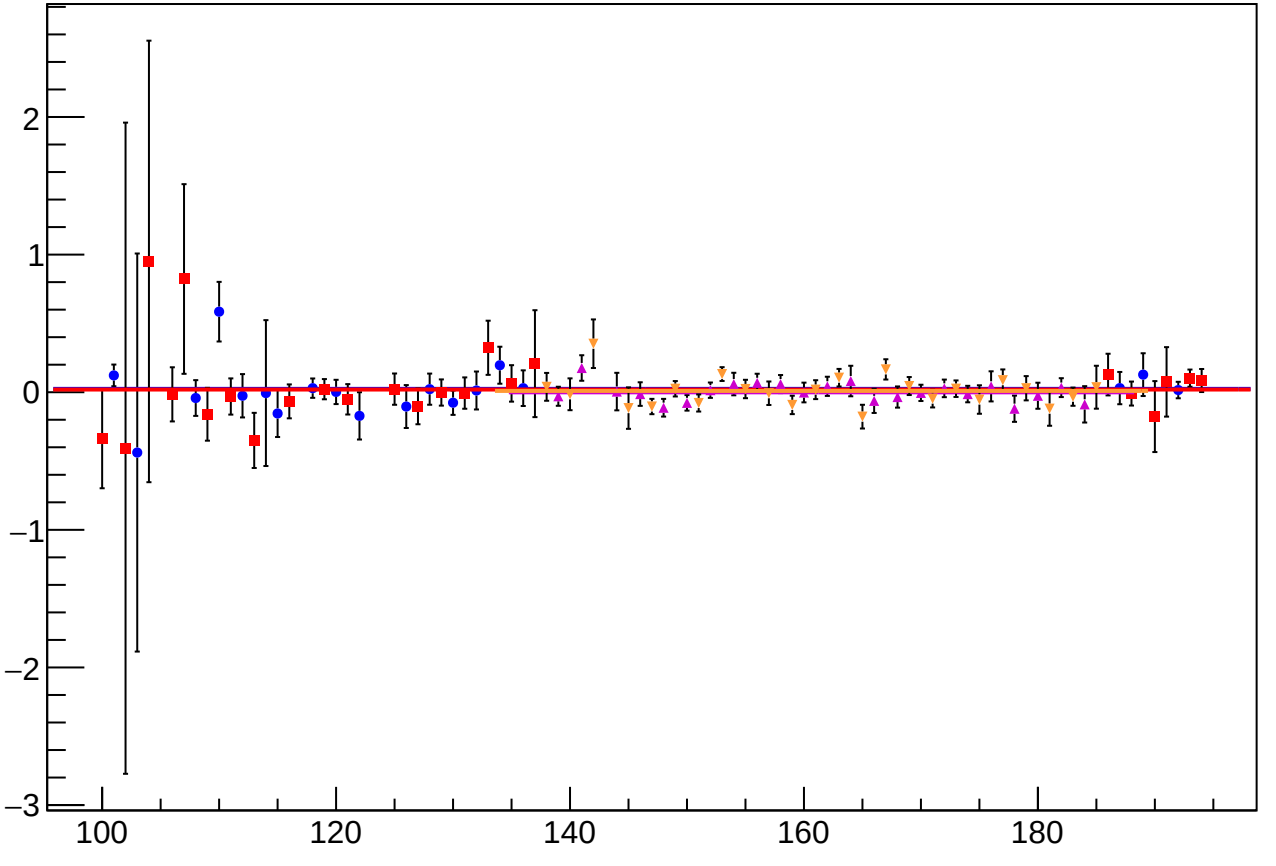
Right: 0.000+/-0.000 χ^2/NDF: 5842431.3/43

In: 0.000+/-0.000 χ^2/NDF:6858506.0/41

Out: 0.000+/-0.000 χ^2/NDF:6361338.9/49

All: 0.000+/-0.000 χ^2/NDF: 13632913.1/91

asym_atl1_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.024+/-0.026 χ^2/NDF: 15.3/18

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.020+/-0.026 χ^2/NDF: 15.4/23

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

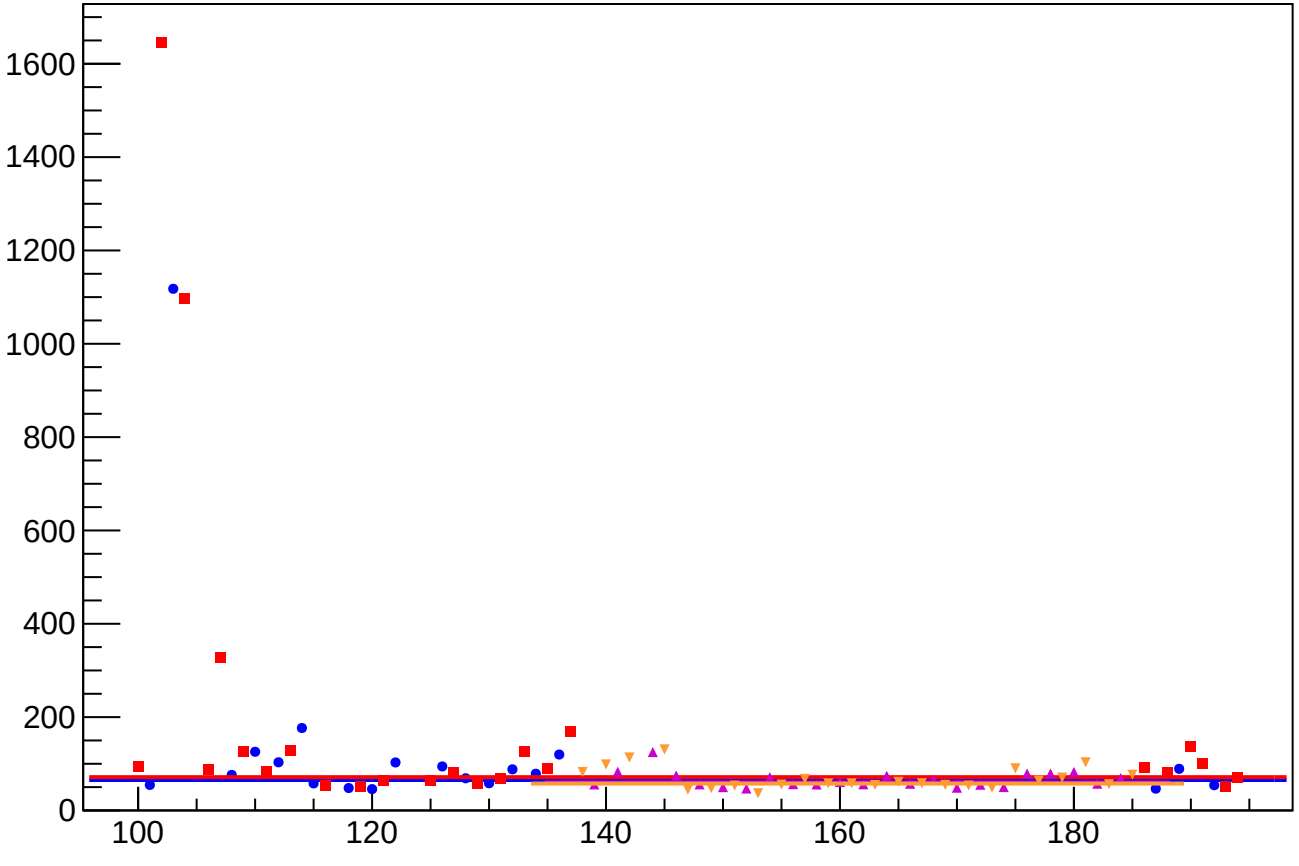
Right: 0.022+/-0.018 χ^2/NDF: 30.7/42

In: 0.006+/-0.013 χ^2/NDF:31.6/41

Out: 0.012+/-0.013 χ^2/NDF:50.2/47

All: 0.009+/-0.009 χ^2/NDF: 81.9/89

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.280+/-0.018 χ^2/NDF: 2466659.9/18

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 71.349+/-0.018 χ^2/NDF: 3356733.4/23

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

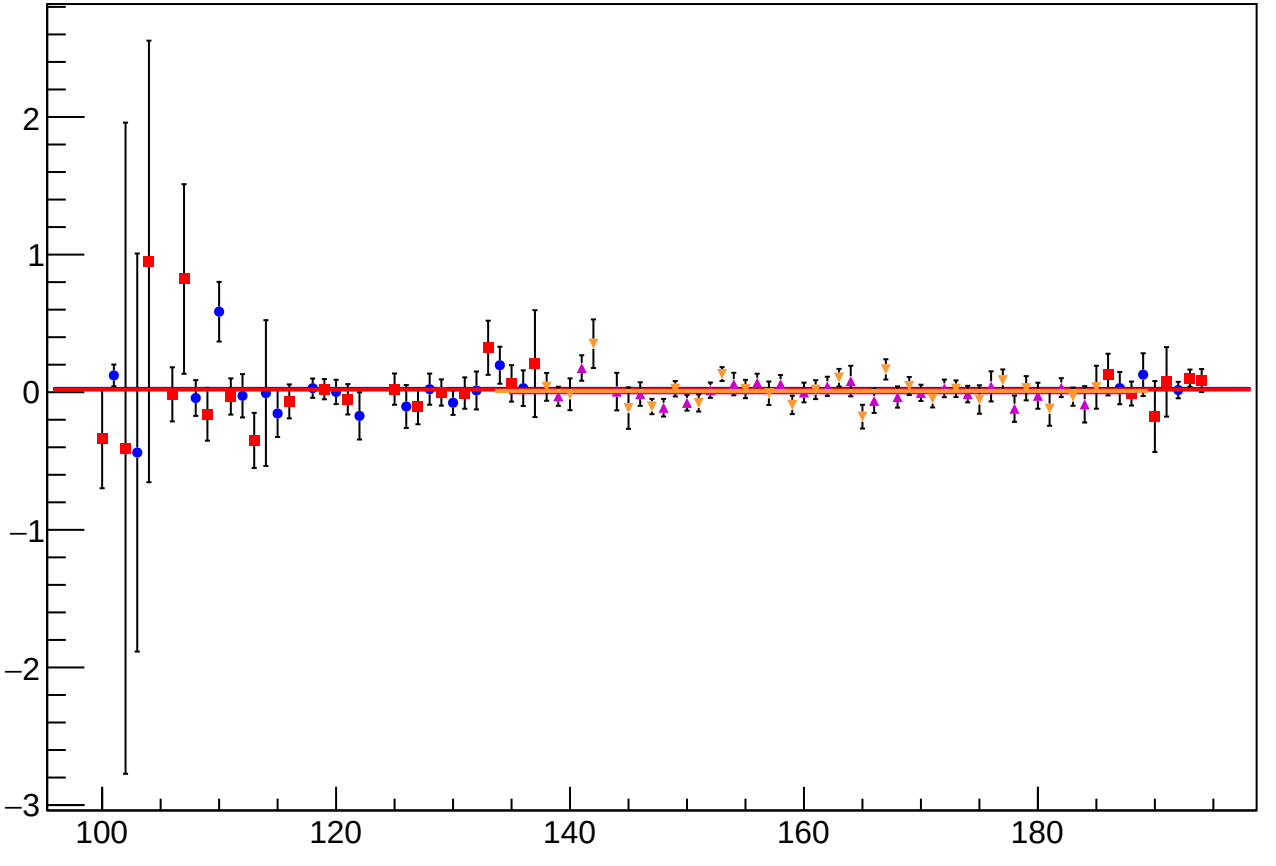
Right: 68.319+/-0.013 χ^2/NDF: 5878488.9/42

In: 61.266+/-0.009 χ^2/NDF:3872715.7/41

Out: 61.107+/-0.009 χ^2/NDF:5991595.0/47

All: 61.185+/-0.007 χ^2/NDF: 9864456.3/89

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.024+/-0.026 χ^2/NDF: 15.3/18

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.020+/-0.026 χ^2/NDF: 15.4/23

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

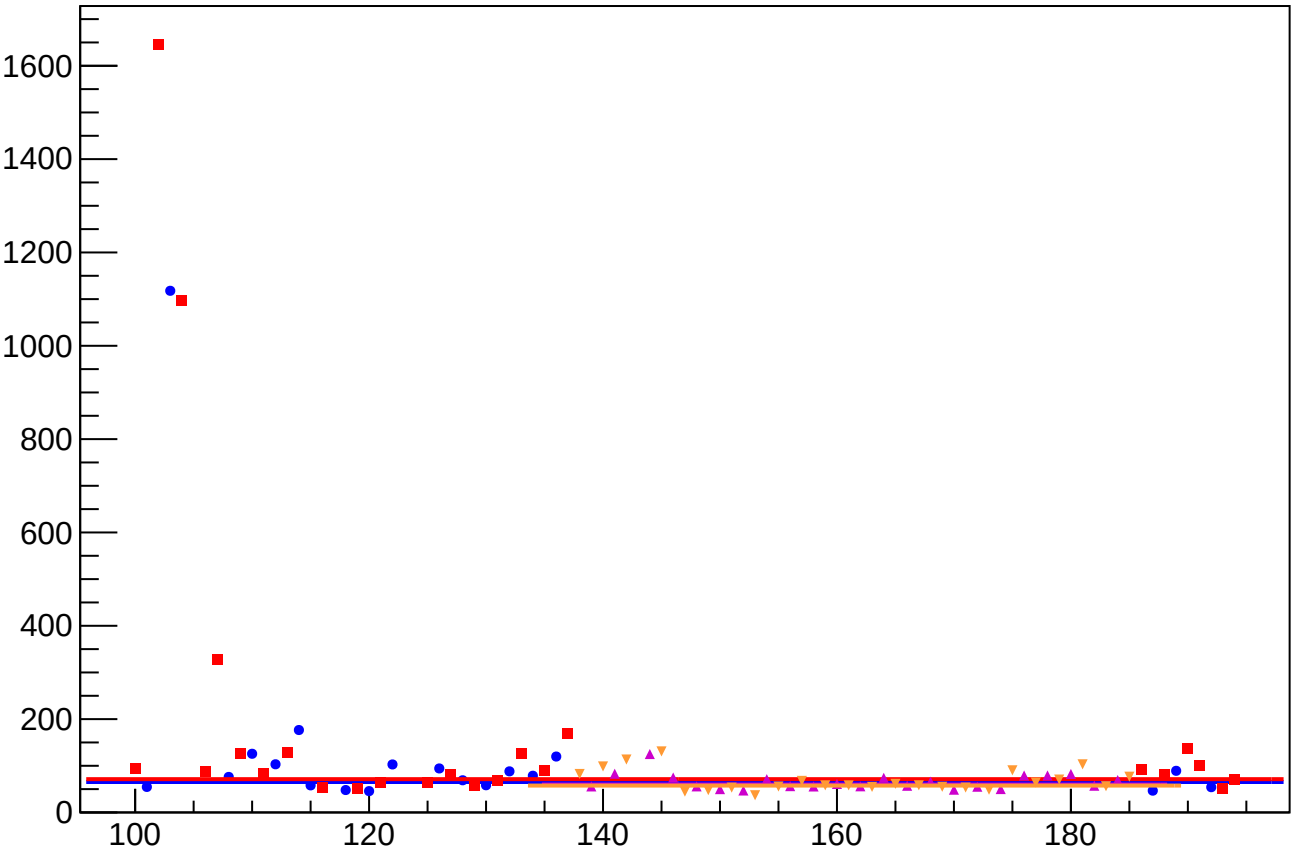
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.022+/-0.018 χ^2/NDF: 30.7/42

In: 0.006+/-0.013 χ^2/NDF:31.6/41

Out: 0.012+/-0.013 χ^2/NDF:50.2/47

All: 0.009+/-0.009 χ^2/NDF: 81.9/89



Right In: 65.280+/-0.018 χ^2/NDF: 2466659.9/18

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 71.349+/-0.018 χ^2/NDF: 3356733.4/23

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

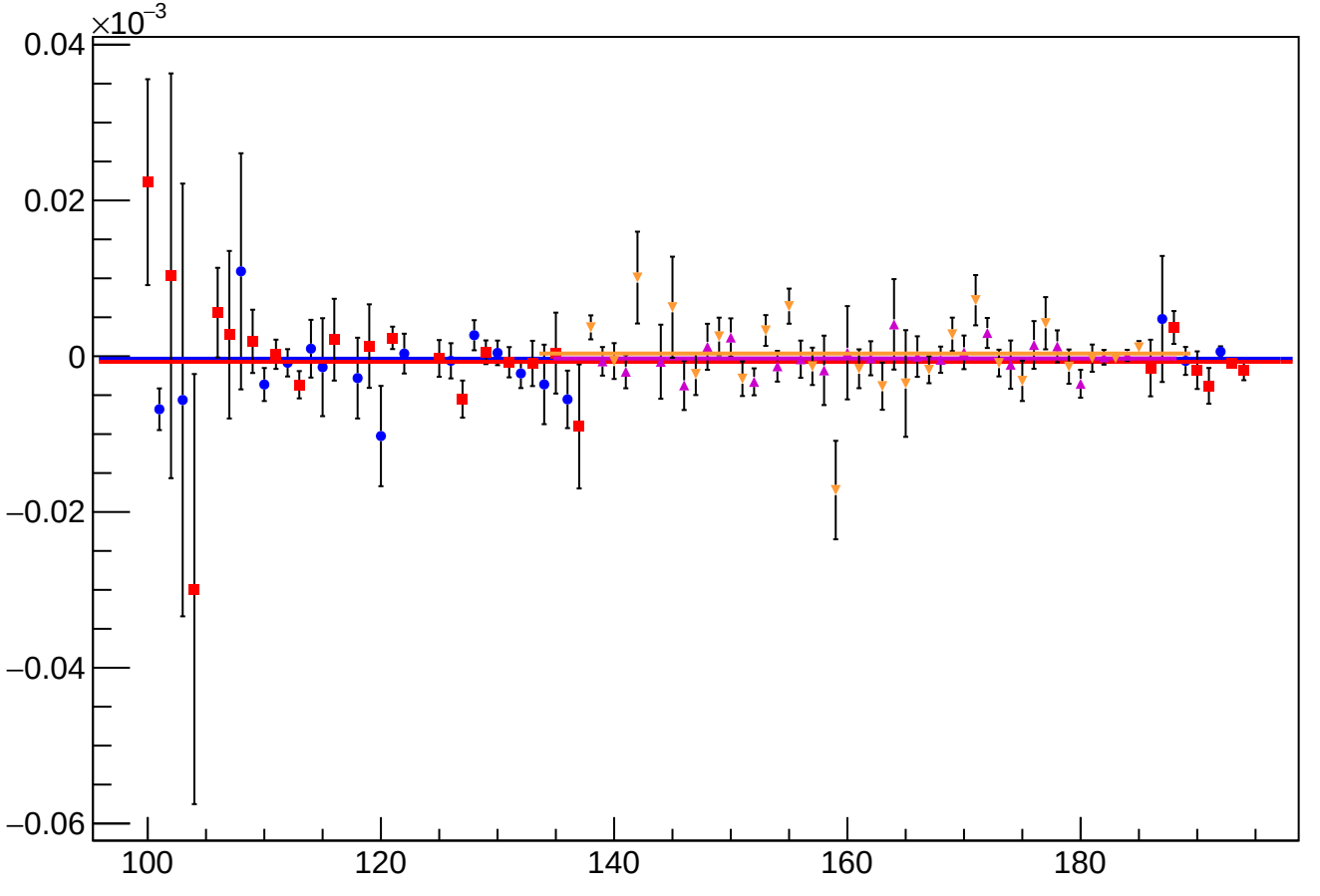
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 68.319+/-0.013 χ^2/NDF: 5878488.9/42

In: 61.266+/-0.009 χ^2/NDF:3872715.7/41

Out: 61.107+/-0.009 χ^2/NDF:5991595.0/47

All: 61.185+/-0.007 χ^2/NDF: 9864456.3/89



Right In: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.4/23

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

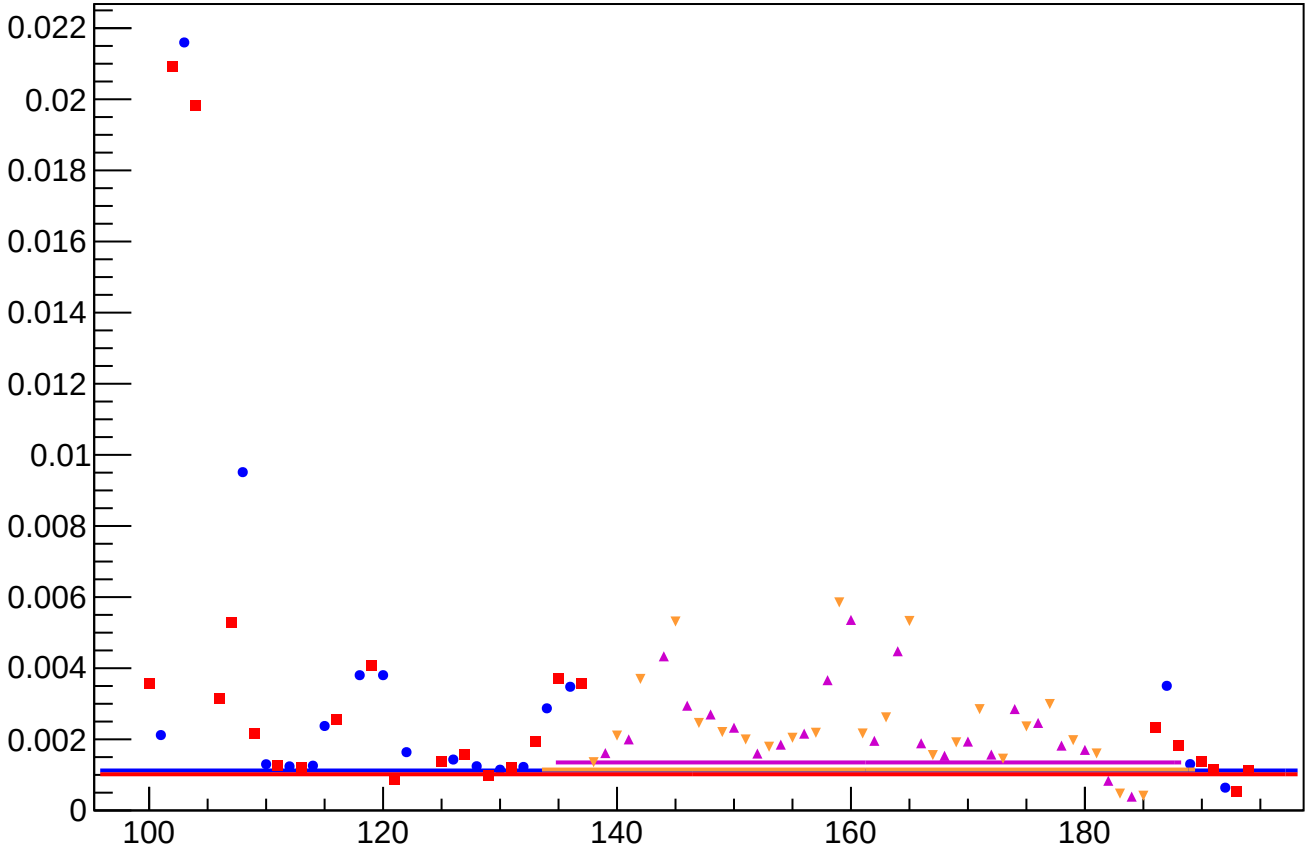
Right: -0.000+/-0.000 χ^2/NDF: 47.9/42

In: -0.000+/-0.000 χ^2/NDF:35.0/41

Out: -0.000+/-0.000 χ^2/NDF:78.3/47

All: -0.000+/-0.000 χ^2/NDF: 113.6/89

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 5328900.2/18

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 6886790.6/23

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

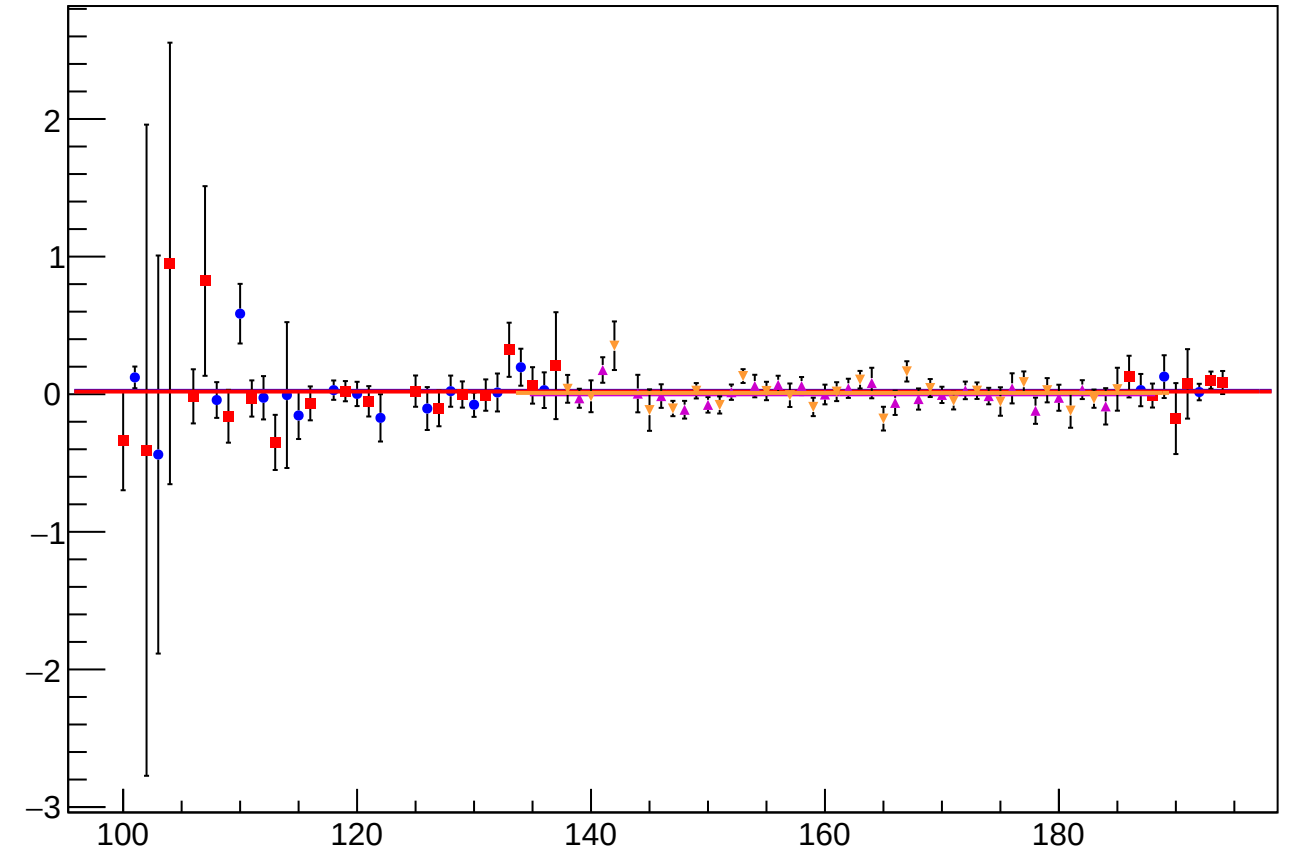
Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

Right: 0.001+/-0.000 χ^2/NDF: 12278042.9/42

In: 0.001+/-0.000 χ^2/NDF:15862877.4/41

Out: 0.001+/-0.000 χ^2/NDF:20260637.7/47

All: 0.001+/-0.000 χ^2/NDF: 36481559.1/89



Right In: 0.024+/-0.026 χ^2/NDF: 15.3/18

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.020+/-0.026 χ^2/NDF: 15.4/23

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

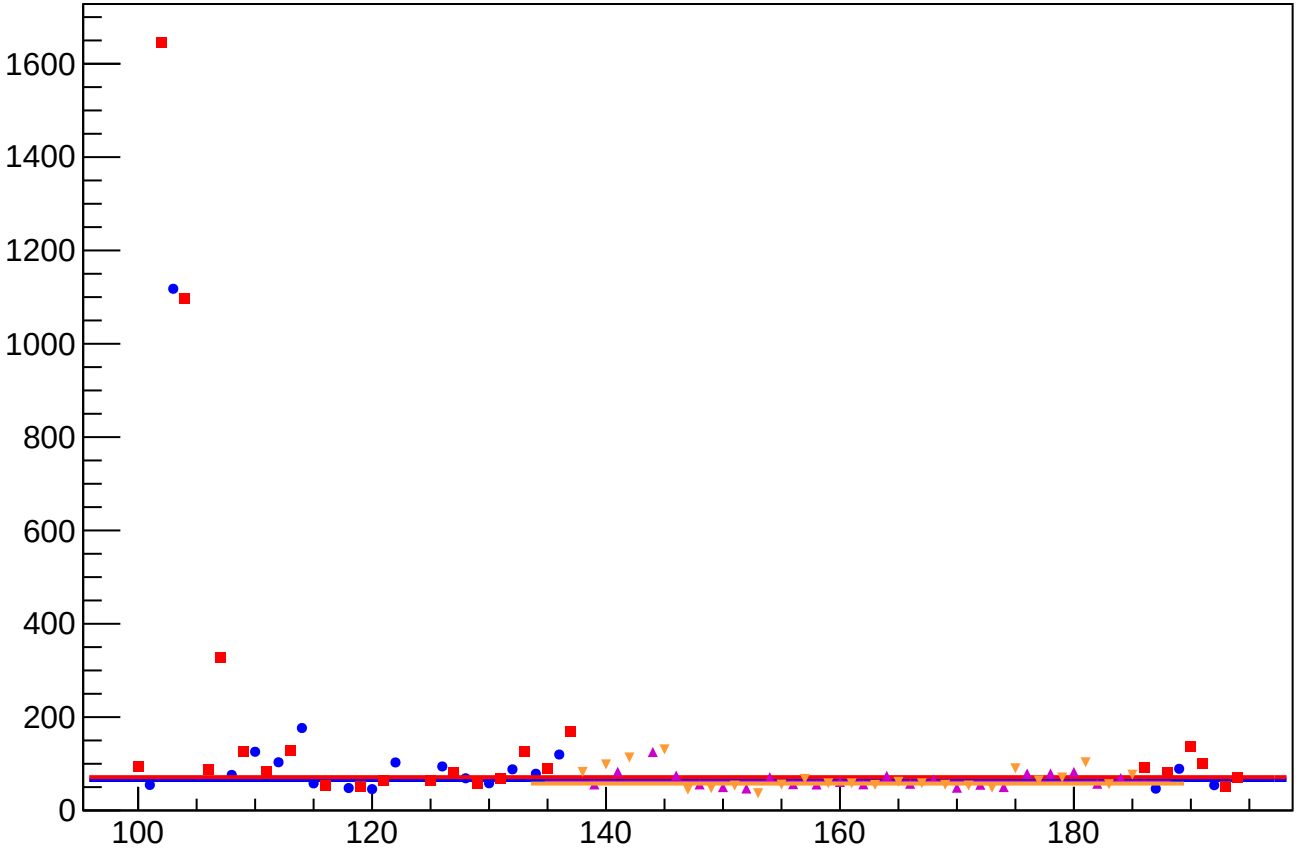
Right: 0.022+/-0.018 χ^2/NDF: 30.7/42

In: 0.006+/-0.013 χ^2/NDF:31.6/41

Out: 0.012+/-0.013 χ^2/NDF:50.2/47

All: 0.009+/-0.009 χ^2/NDF: 81.9/89

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.279+/-0.018 χ^2/NDF: 2466746.8/18

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 71.349+/-0.018 χ^2/NDF: 3356740.1/23

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

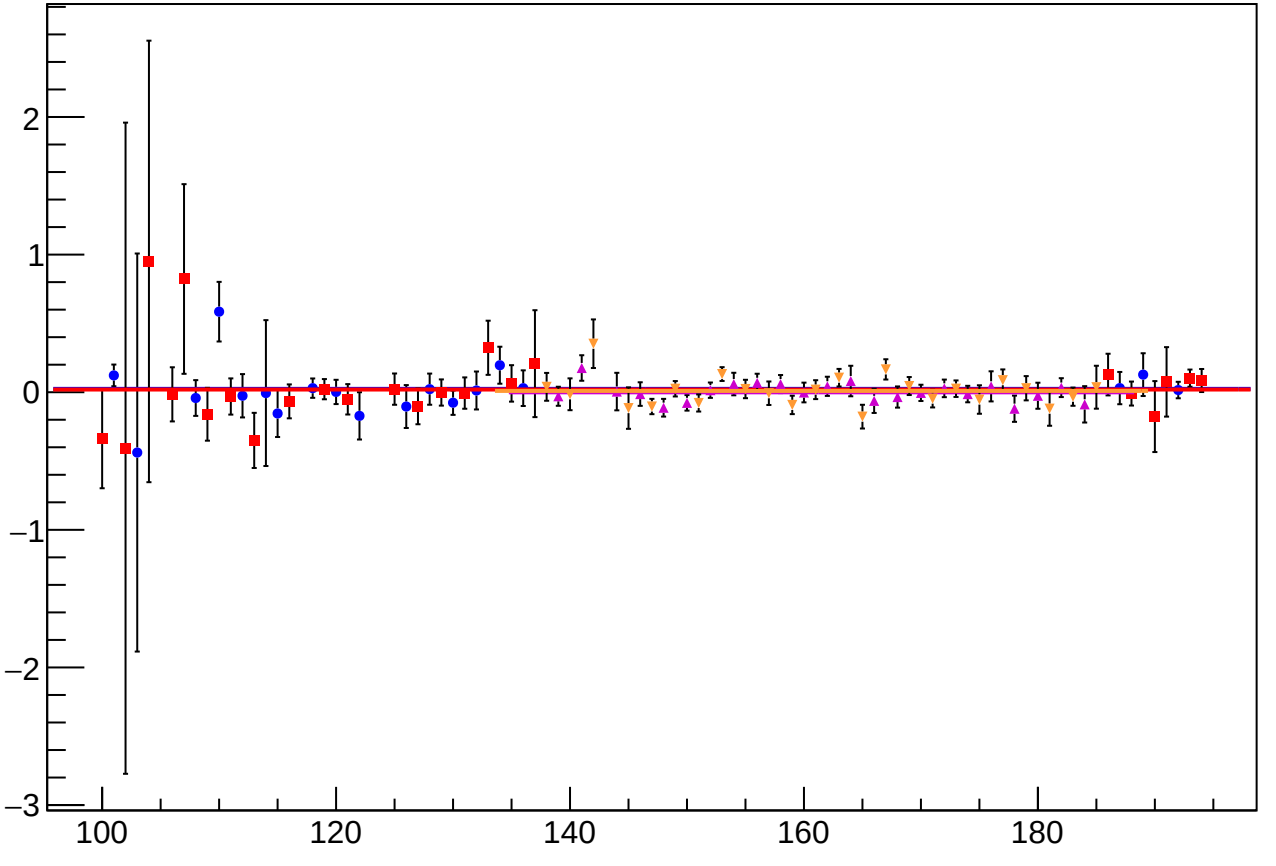
Right: 68.319+/-0.013 χ^2/NDF: 5878591.9/42

In: 61.266+/-0.009 χ^2/NDF:3872762.7/41

Out: 61.107+/-0.009 χ^2/NDF:5991652.6/47

All: 61.185+/-0.007 χ^2/NDF: 9864560.8/89

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.024+/-0.026 χ^2/NDF: 15.3/18

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.020+/-0.026 χ^2/NDF: 15.4/23

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

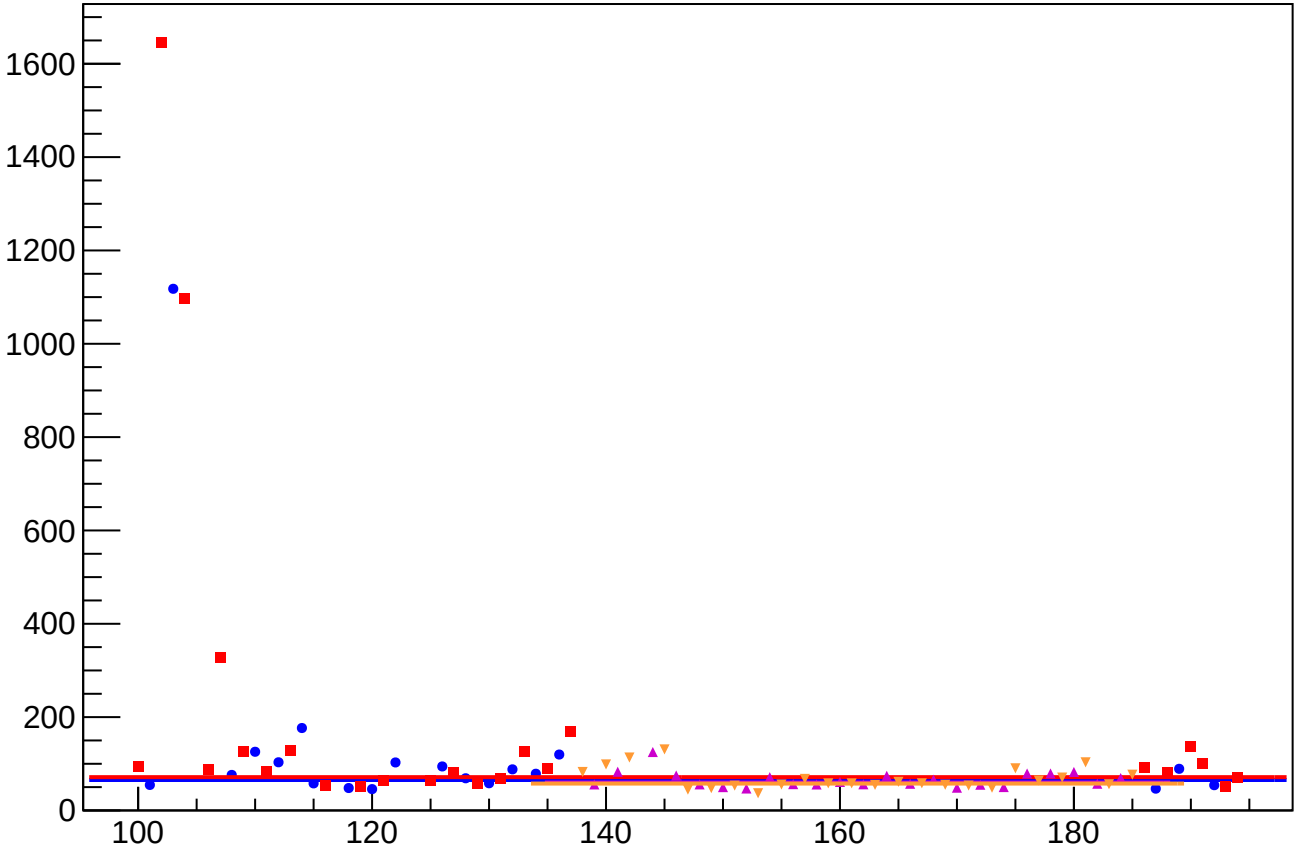
Right: 0.022+/-0.018 χ^2/NDF: 30.7/42

In: 0.006+/-0.013 χ^2/NDF:31.6/41

Out: 0.012+/-0.013 χ^2/NDF:50.2/47

All: 0.009+/-0.009 χ^2/NDF: 81.9/89

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.279+/-0.018 χ^2/NDF: 2466746.8/18

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 71.349+/-0.018 χ^2/NDF: 3356740.1/23

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

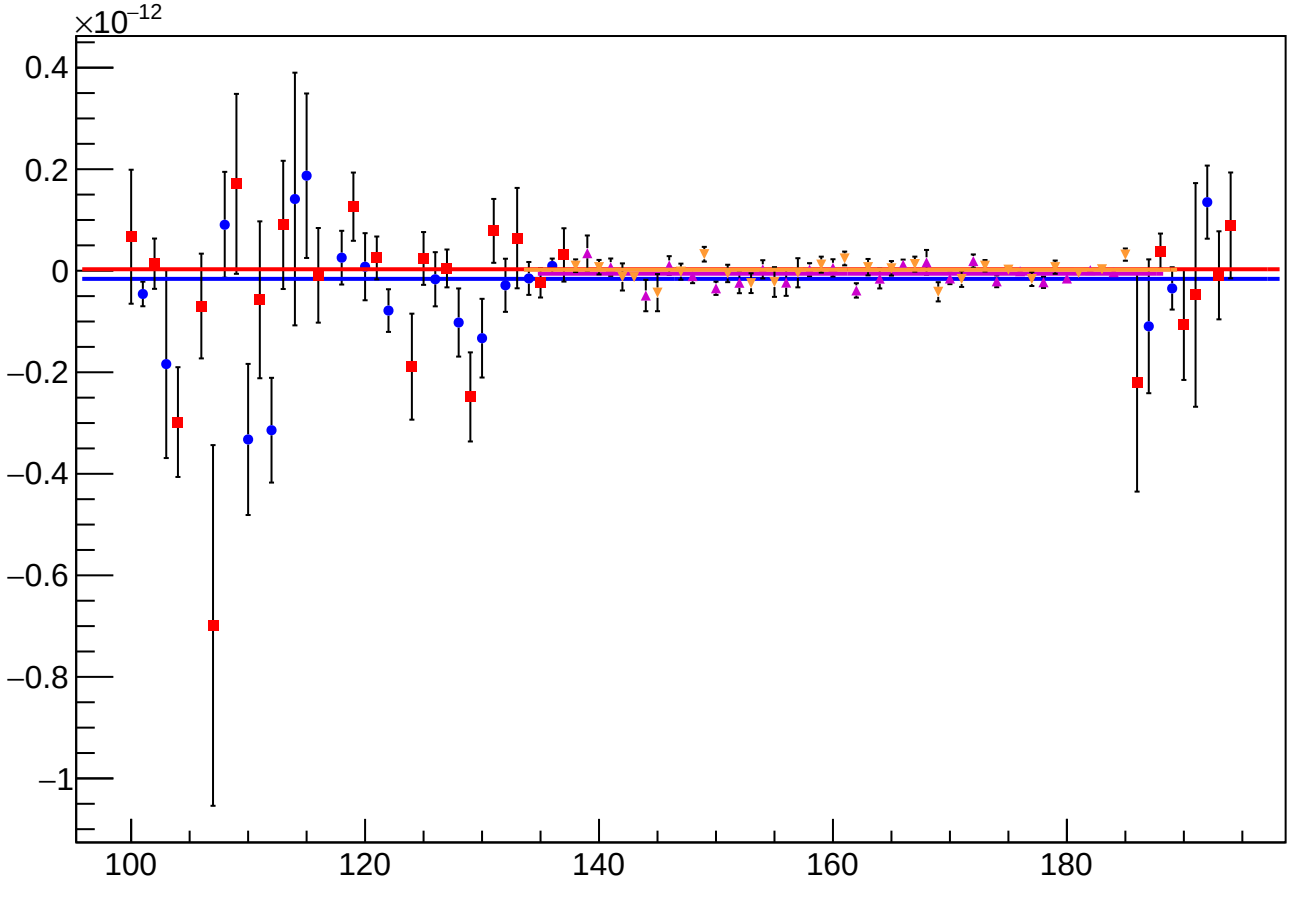
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 68.319+/-0.013 χ^2/NDF: 5878591.9/42

In: 61.266+/-0.009 χ^2/NDF:3872762.7/41

Out: 61.107+/-0.009 χ^2/NDF:5991652.6/47

All: 61.185+/-0.007 χ^2/NDF: 9864560.8/89



Right In: -0.000+/-0.000 χ^2/NDF: 33.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.3/24

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

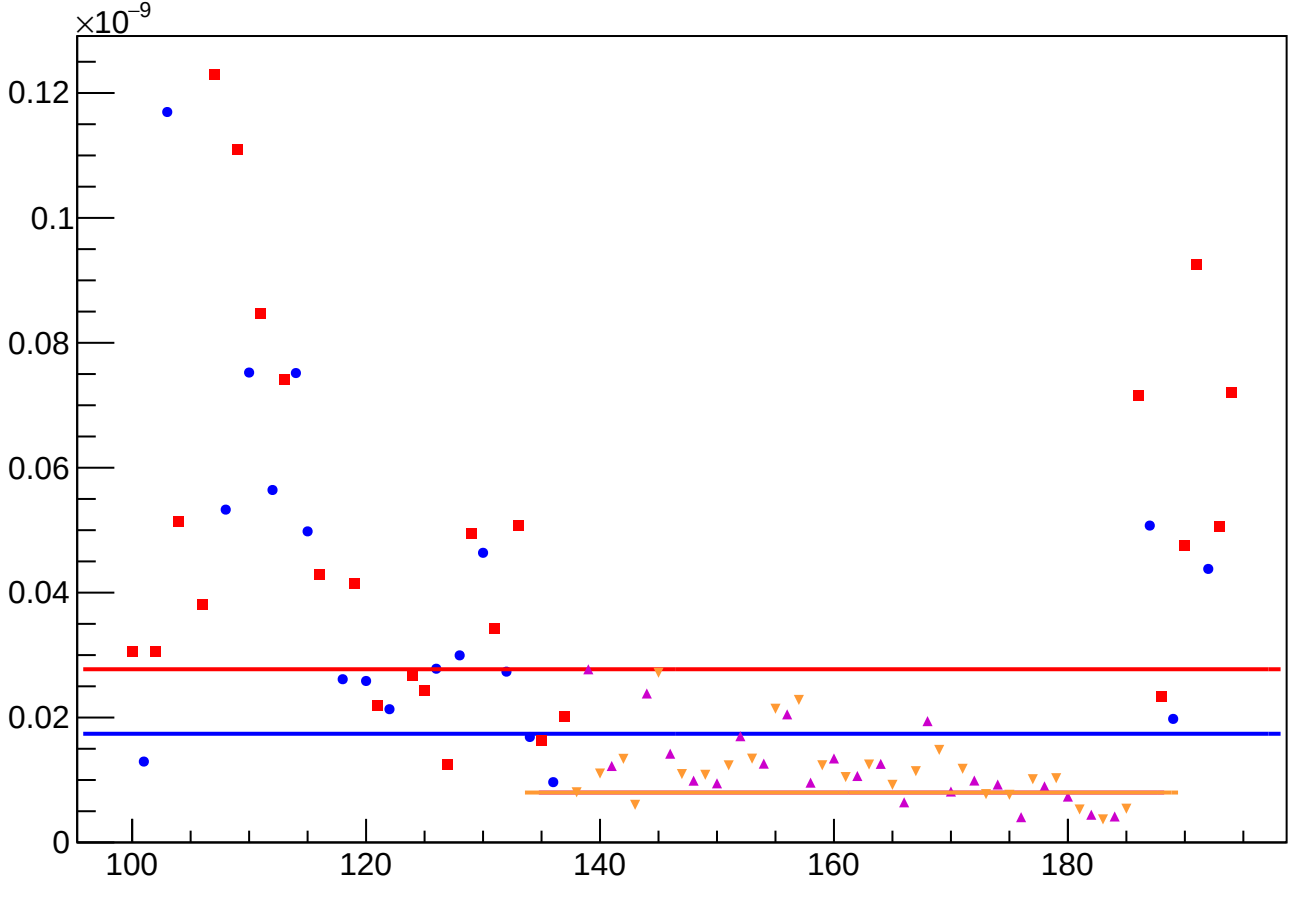
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 71.1/43

In: -0.000+/-0.000 χ^2/NDF:67.0/41

Out: 0.000+/-0.000 χ^2/NDF:68.2/49

All: -0.000+/-0.000 χ^2/NDF: 141.4/91



Right In: 0.000+/-0.000 χ^2/NDF: 3240519.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3225943.0/24

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

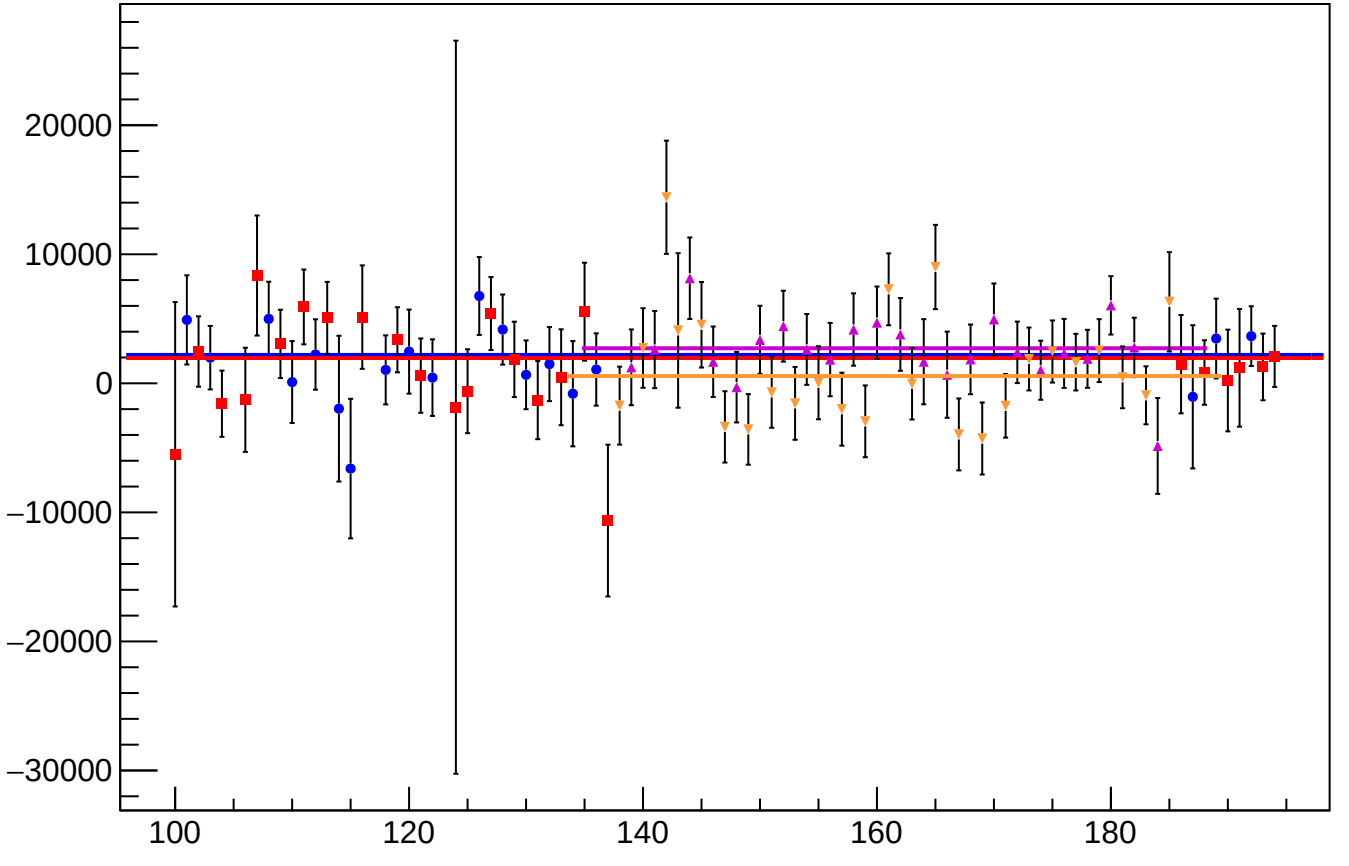
Right: 0.000+/-0.000 χ^2/NDF: 7301052.2/43

In: 0.000+/-0.000 χ^2/NDF:10225208.7/41

Out: 0.000+/-0.000 χ^2/NDF:12707921.3/49

All: 0.000+/-0.000 χ^2/NDF: 22934480.3/91

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2198.037+/-700.927 χ^2/NDF: 10.6/18

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: 1963.418+/-642.916 χ^2/NDF: 18.8/24

Left In: 2716.200+/-566.202 χ^2/NDF:14.3/22

Left: 1622.262+/-397.186 χ^2/NDF: 65.6/47

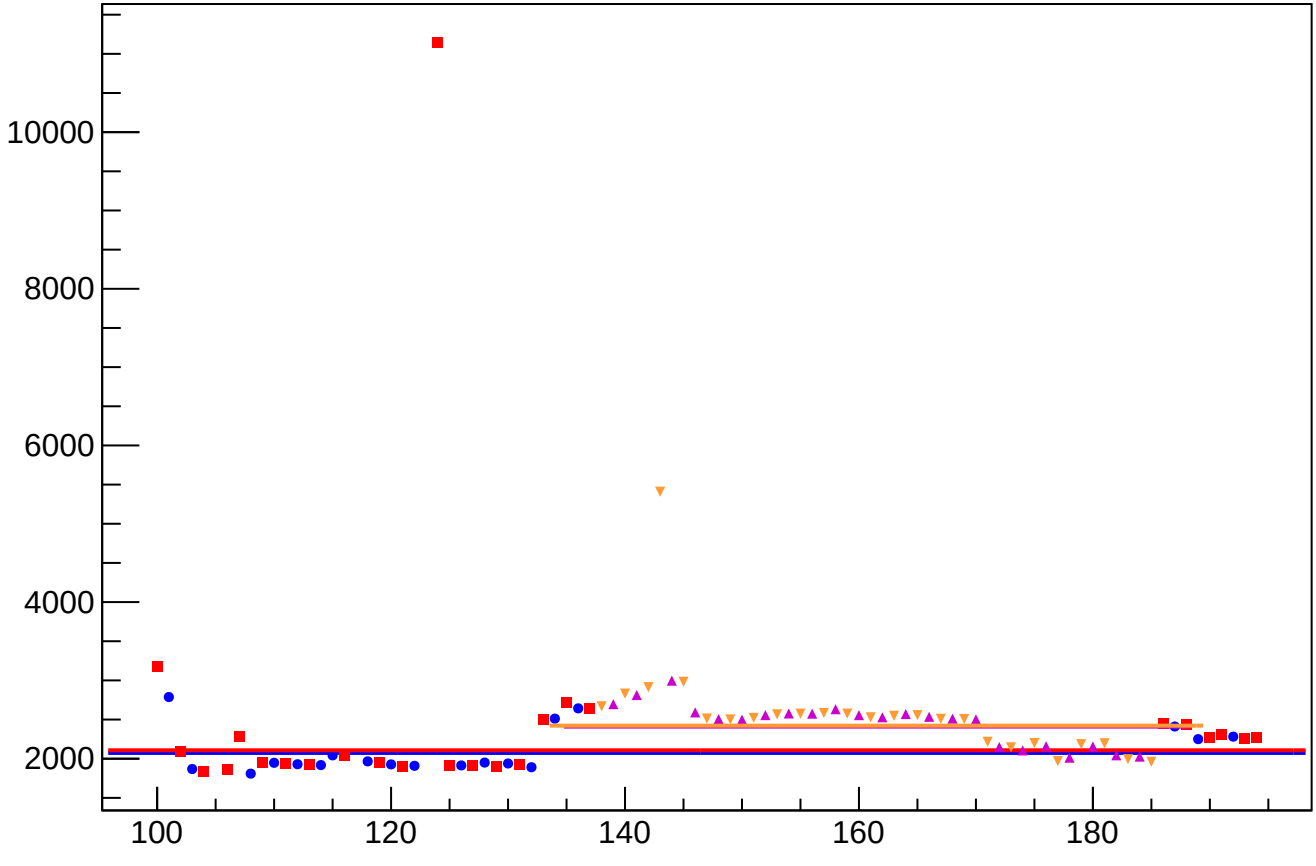
Right: 2070.618+/-473.793 χ^2/NDF: 29.4/43

In: 2511.596+/-440.451 χ^2/NDF:25.2/41

Out: 1163.490+/-421.118 χ^2/NDF:65.4/49

All: 1807.308+/-304.381 χ^2/NDF: 95.5/91

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2073.984+/-0.496 χ^2/NDF: 298386.2/18

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2107.459+/-0.455 χ^2/NDF: 492519.5/24

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

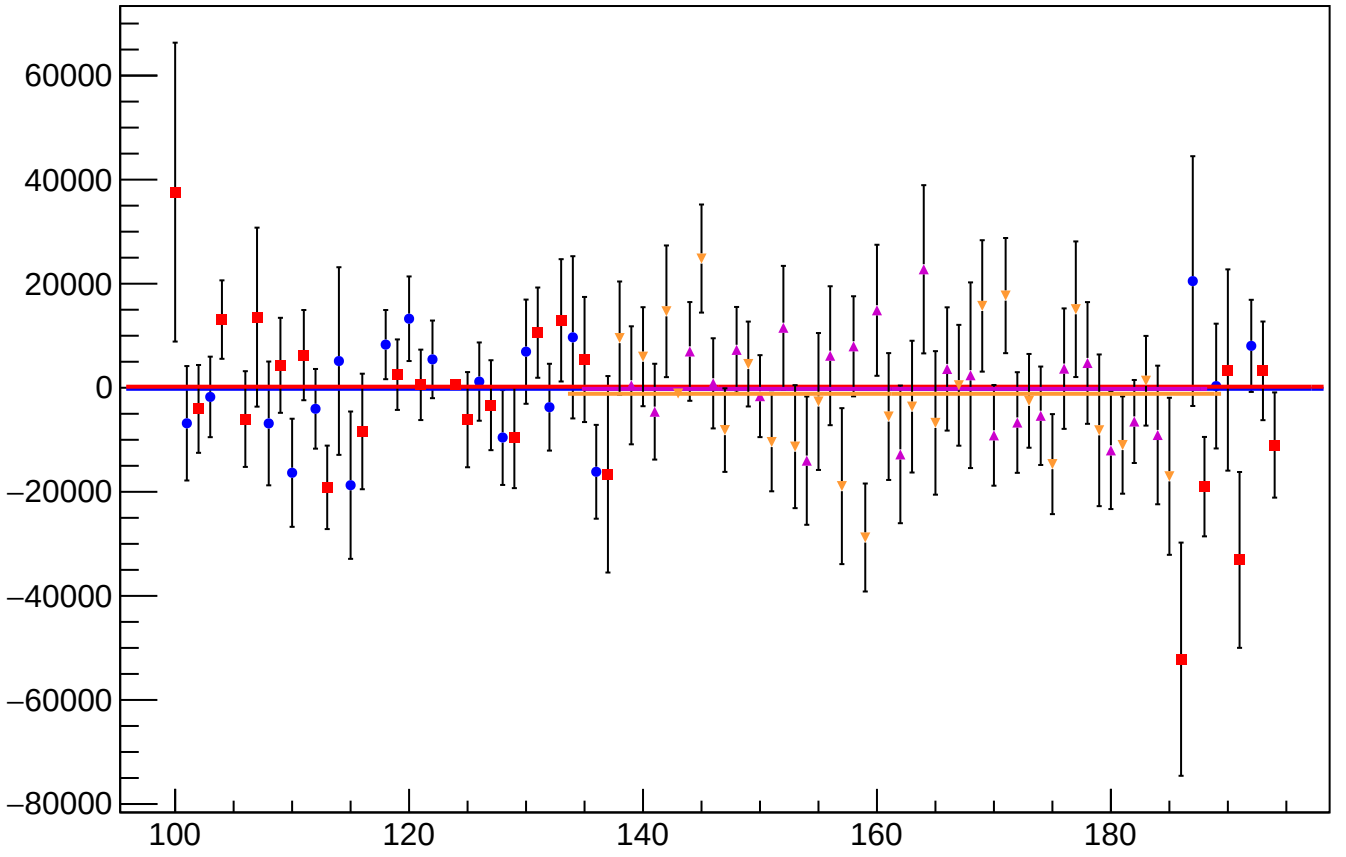
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2092.164+/-0.335 χ^2/NDF: 793383.1/43

In: 2277.210+/-0.311 χ^2/NDF:1004586.9/41

Out: 2287.136+/-0.298 χ^2/NDF:1718966.2/49

All: 2282.395+/-0.215 χ^2/NDF: 2724083.7/91



Right In: -198.408+/-2161.344 χ^2/NDF: 17.1/18

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: 203.132+/-759.367 χ^2/NDF: 33.3/24

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

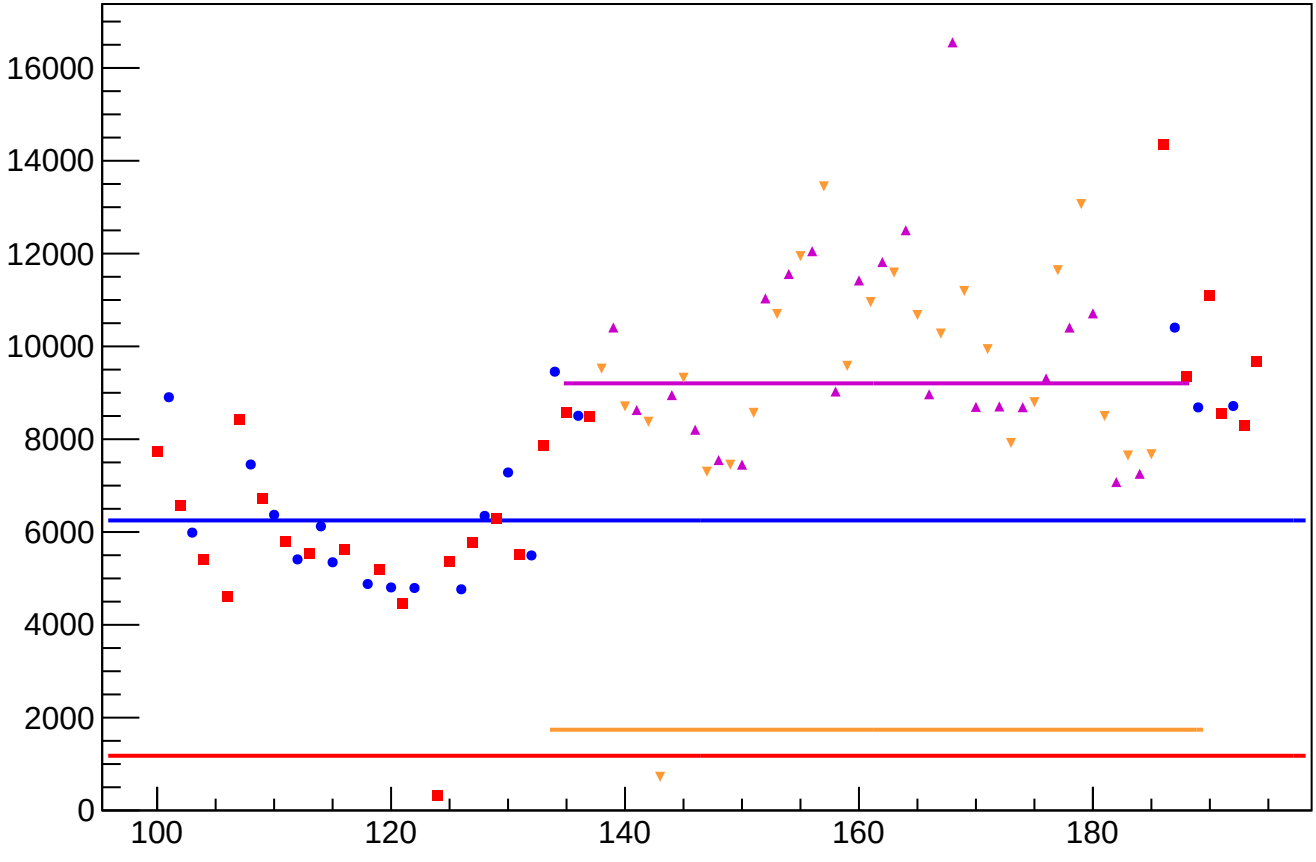
Right: 159.012+/-716.435 χ^2/NDF: 50.4/43

In: -203.944+/-1540.082 χ^2/NDF:30.5/41

Out: -478.949+/-536.398 χ^2/NDF:66.9/49

All: -449.198+/-506.553 χ^2/NDF: 97.4/91

asym_atl2_reg_correction_rms vs Slug, Sign Corrected



Right In: 6249.577+/-1.528 χ^2/NDF: 1019050.2/18

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1178.283+/-0.537 χ^2/NDF: 17142344.6/24

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

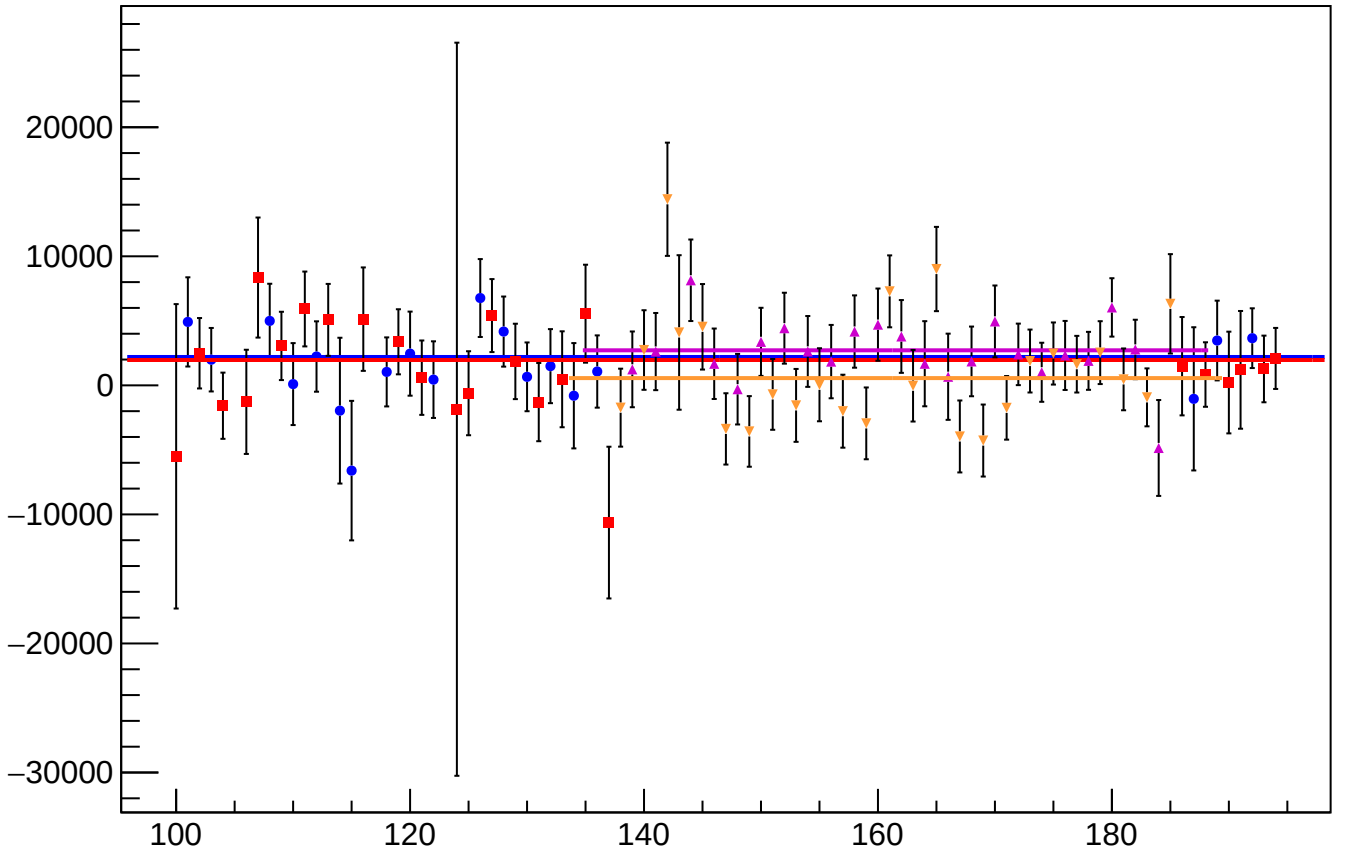
Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

Right: 1735.500+/-0.507 χ^2/NDF: 27962380.9/43

In: 7703.807+/-1.089 χ^2/NDF:4130415.4/41

Out: 1459.569+/-0.379 χ^2/NDF:45424102.5/49

All: 2135.092+/-0.358 χ^2/NDF: 78875358.5/9



Right In: 2198.156+/-700.927 χ^2/NDF: 10.6/18

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 1964.704+/-642.920 χ^2/NDF: 18.8/24

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

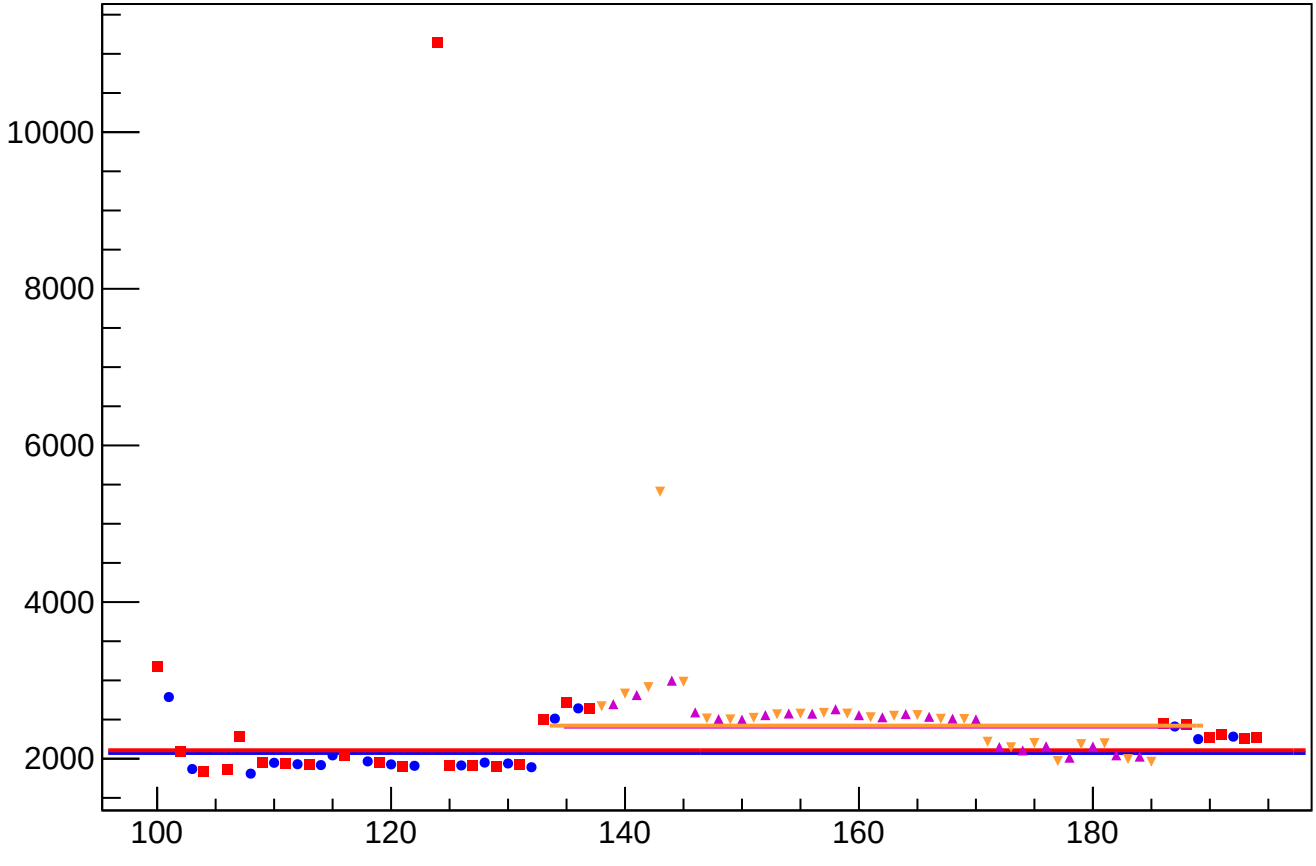
Right: 2071.372+/-473.795 χ^2/NDF: 29.4/43

In: 2511.619+/-440.451 χ^2/NDF:25.2/41

Out: 1164.037+/-421.119 χ^2/NDF:65.4/49

All: 1807.608+/-304.381 χ^2/NDF: 95.5/91

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2073.984+/-0.496 χ^2/NDF: 298386.0/18

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2107.476+/-0.455 χ^2/NDF: 492517.8/24

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

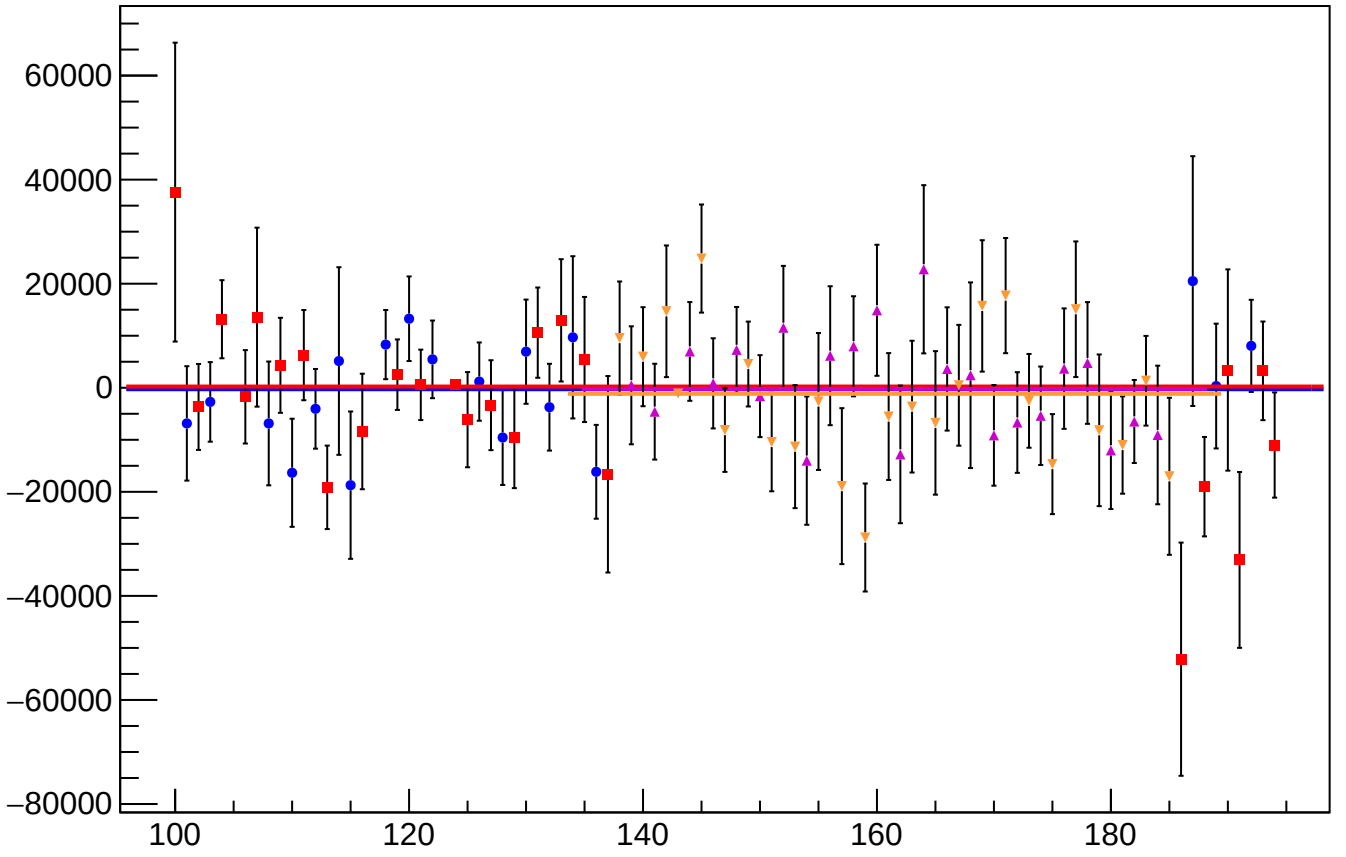
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2092.173+/-0.335 χ^2/NDF: 793383.7/43

In: 2277.210+/-0.311 χ^2/NDF:1004587.0/41

Out: 2287.144+/-0.298 χ^2/NDF:1718932.9/49

All: 2282.400+/-0.215 χ^2/NDF: 2724051.4/91



Right In: -278.476+/-2159.337 χ^2/NDF: 17.1/18

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 235.926+/-759.039 χ^2/NDF: 33.0/24

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

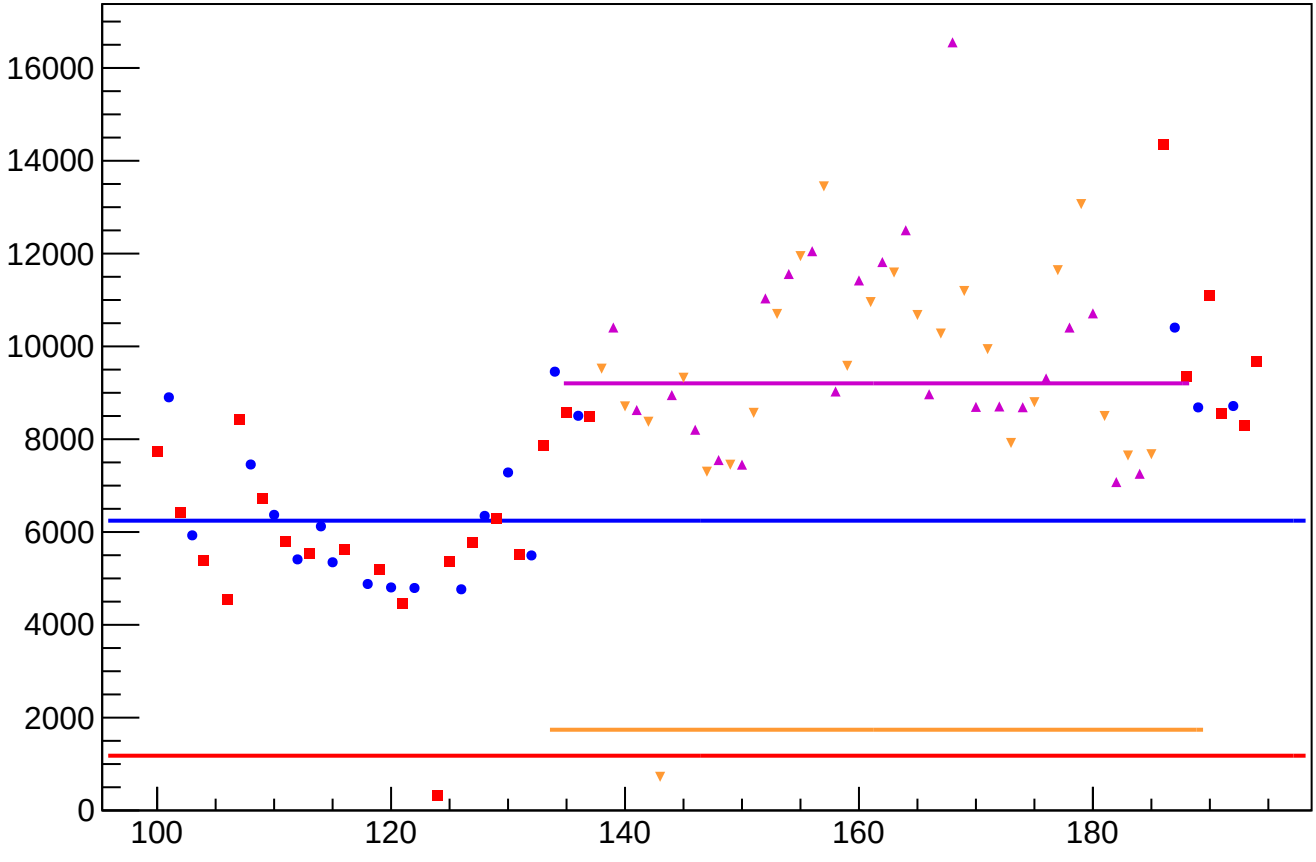
Right: 179.355+/-716.086 χ^2/NDF: 50.1/43

In: -244.554+/-1539.355 χ^2/NDF:30.5/41

Out: -462.225+/-536.259 χ^2/NDF:66.6/49

All: -438.668+/-506.410 χ^2/NDF: 97.1/91

asym_atl2_cor_correction_rms vs Slug, Sign Corrected



Right In: 6244.393+/-1.527 χ^2/NDF: 1020138.8/18

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1179.804+/-0.537 χ^2/NDF: 17136328.7/24

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

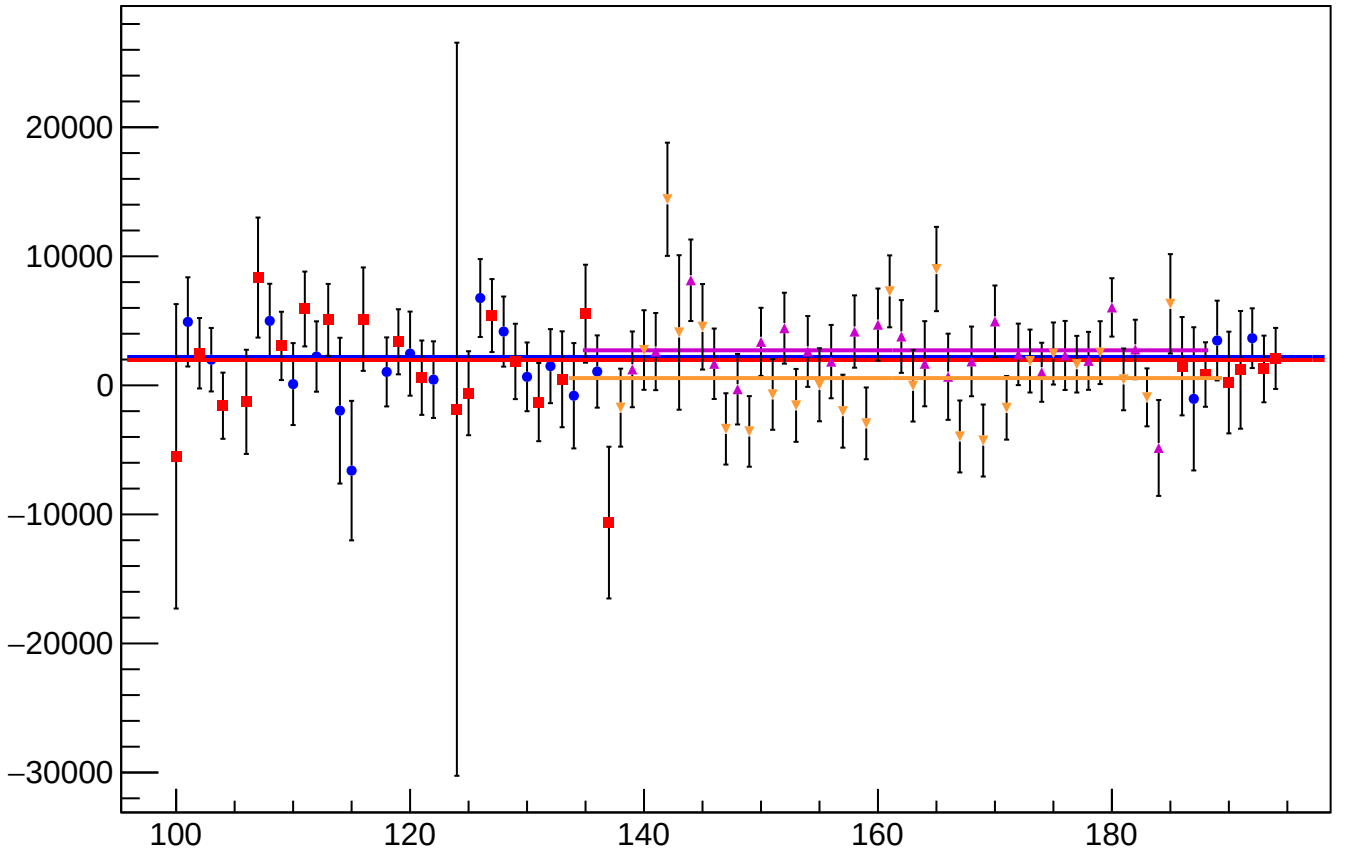
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 1736.777+/-0.506 χ^2/NDF: 27948670.5/43

In: 7699.795+/-1.088 χ^2/NDF:4139650.5/41

Out: 1460.113+/-0.379 χ^2/NDF:45415996.4/49

All: 2135.402+/-0.358 χ^2/NDF: 78860049.5/9



Right In: 2198.156+/-700.927 χ^2/NDF: 10.6/18

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 1964.704+/-642.920 χ^2/NDF: 18.8/24

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

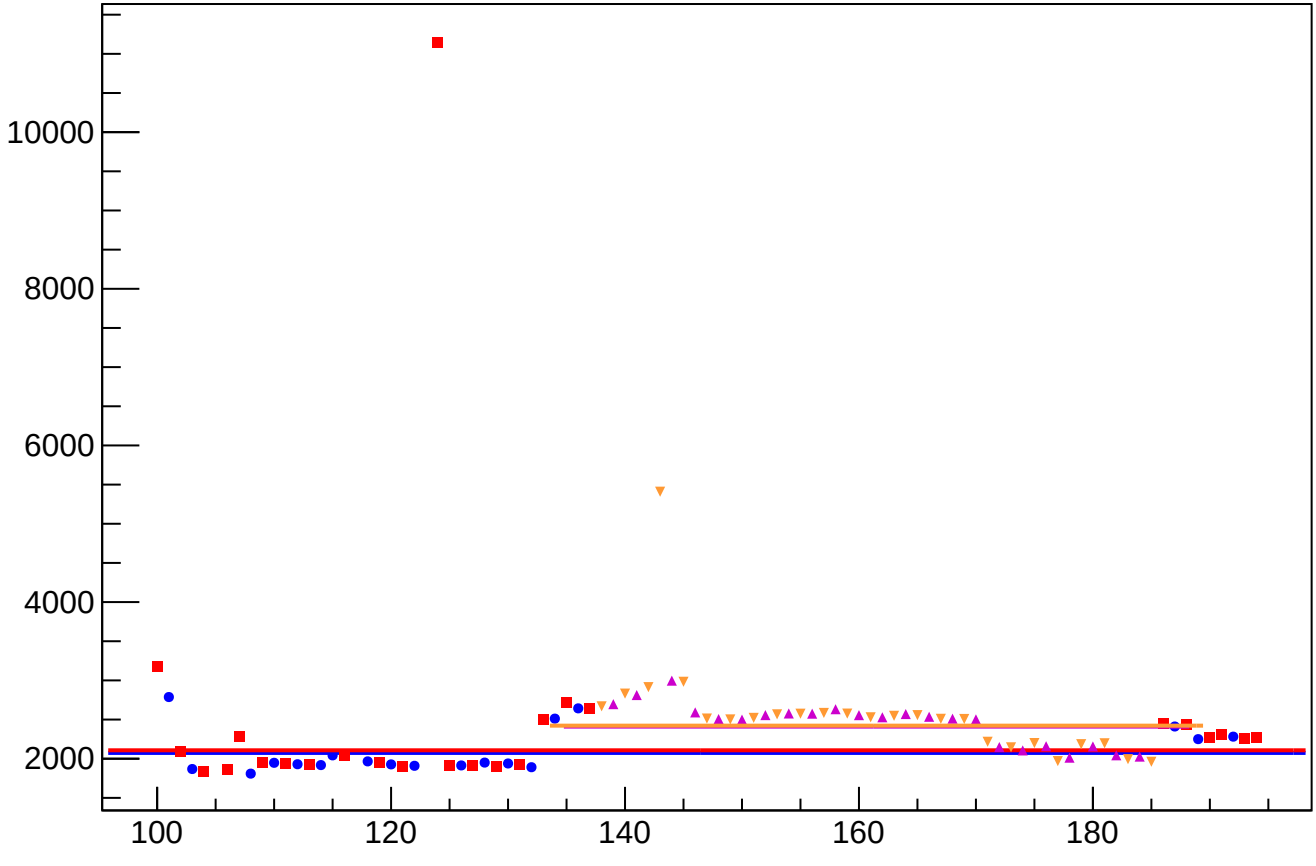
Right: 2071.372+/-473.795 χ^2/NDF: 29.4/43

In: 2511.619+/-440.451 χ^2/NDF:25.2/41

Out: 1164.037+/-421.119 χ^2/NDF:65.4/49

All: 1807.608+/-304.381 χ^2/NDF: 95.5/91

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2073.984+/-0.496 χ^2/NDF: 298386.0/18

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2107.476+/-0.455 χ^2/NDF: 492517.8/24

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

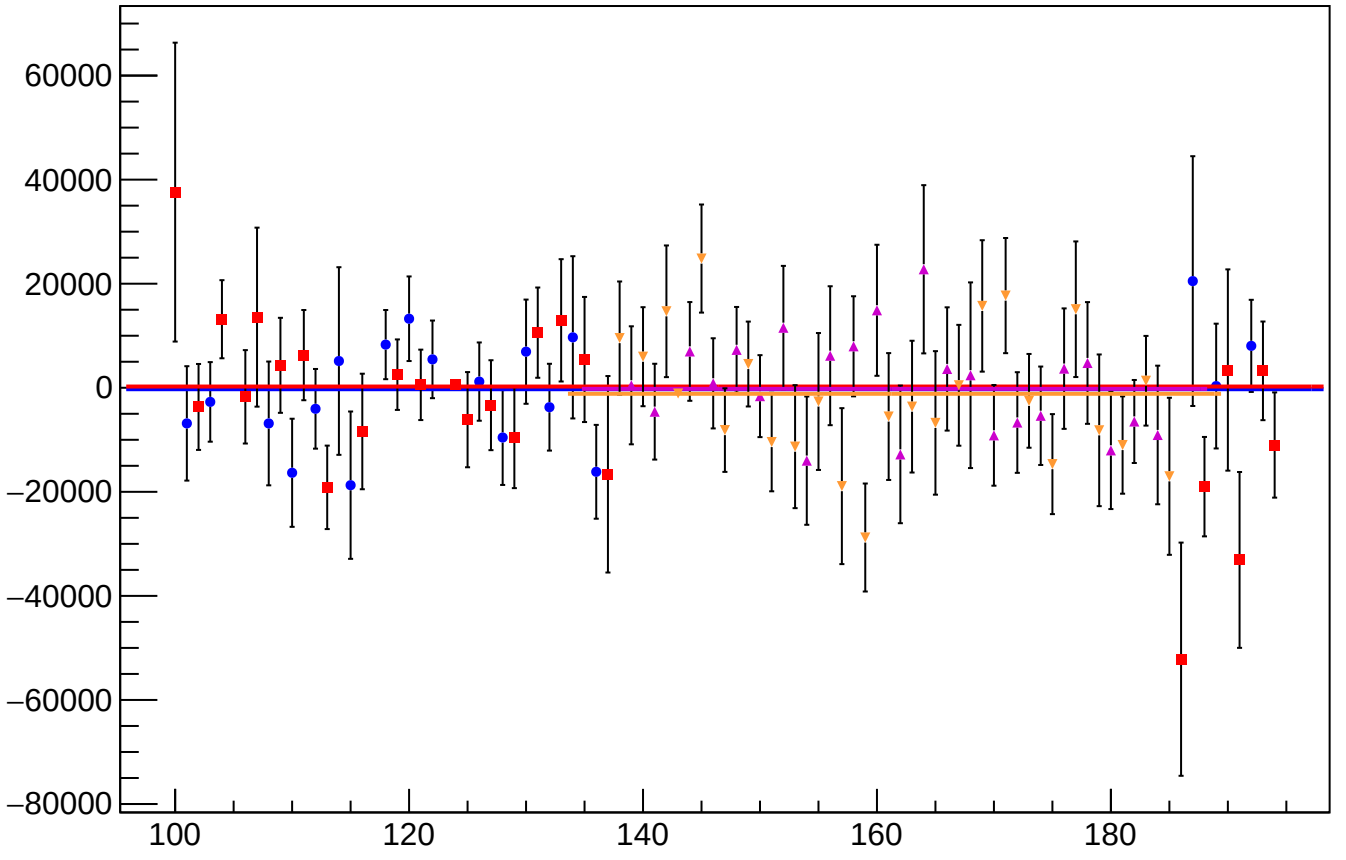
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2092.173+/-0.335 χ^2/NDF: 793383.7/43

In: 2277.210+/-0.311 χ^2/NDF:1004587.0/41

Out: 2287.144+/-0.298 χ^2/NDF:1718932.9/49

All: 2282.400+/-0.215 χ^2/NDF: 2724051.4/91



Right In: -278.476+/-2159.337 χ^2/NDF: 17.1/18

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 235.926+/-759.039 χ^2/NDF: 33.0/24

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

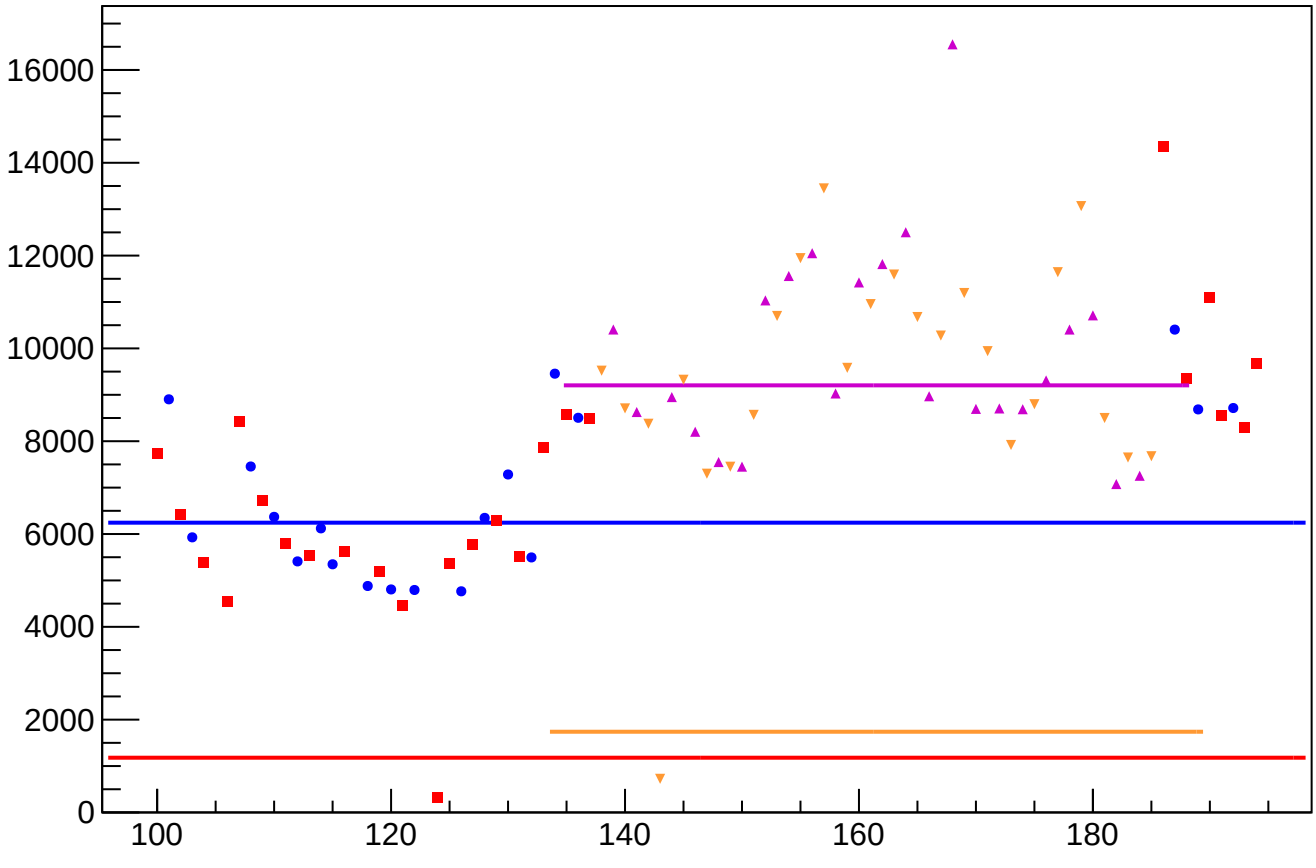
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 179.355+/-716.086 χ^2/NDF: 50.1/43

In: -244.554+/-1539.355 χ^2/NDF:30.5/41

Out: -462.225+/-536.259 χ^2/NDF:66.6/49

All: -438.668+/-506.410 χ^2/NDF: 97.1/91



Right In: 6244.393+/-1.527 χ^2/NDF: 1020138.8/18

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1179.804+/-0.537 χ^2/NDF: 17136328.7/24

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

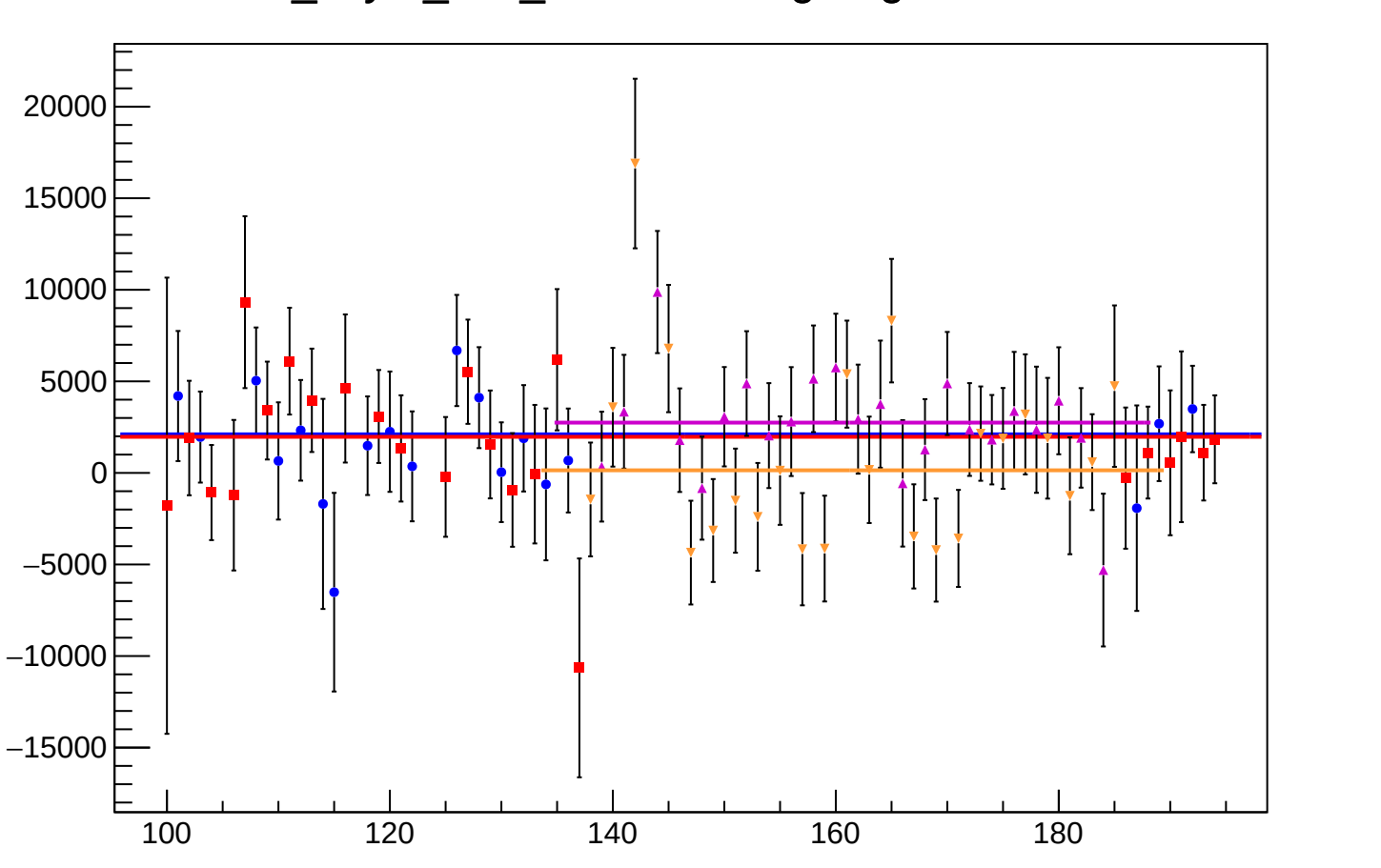
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 1736.777+/-0.506 χ^2/NDF: 27948670.5/43

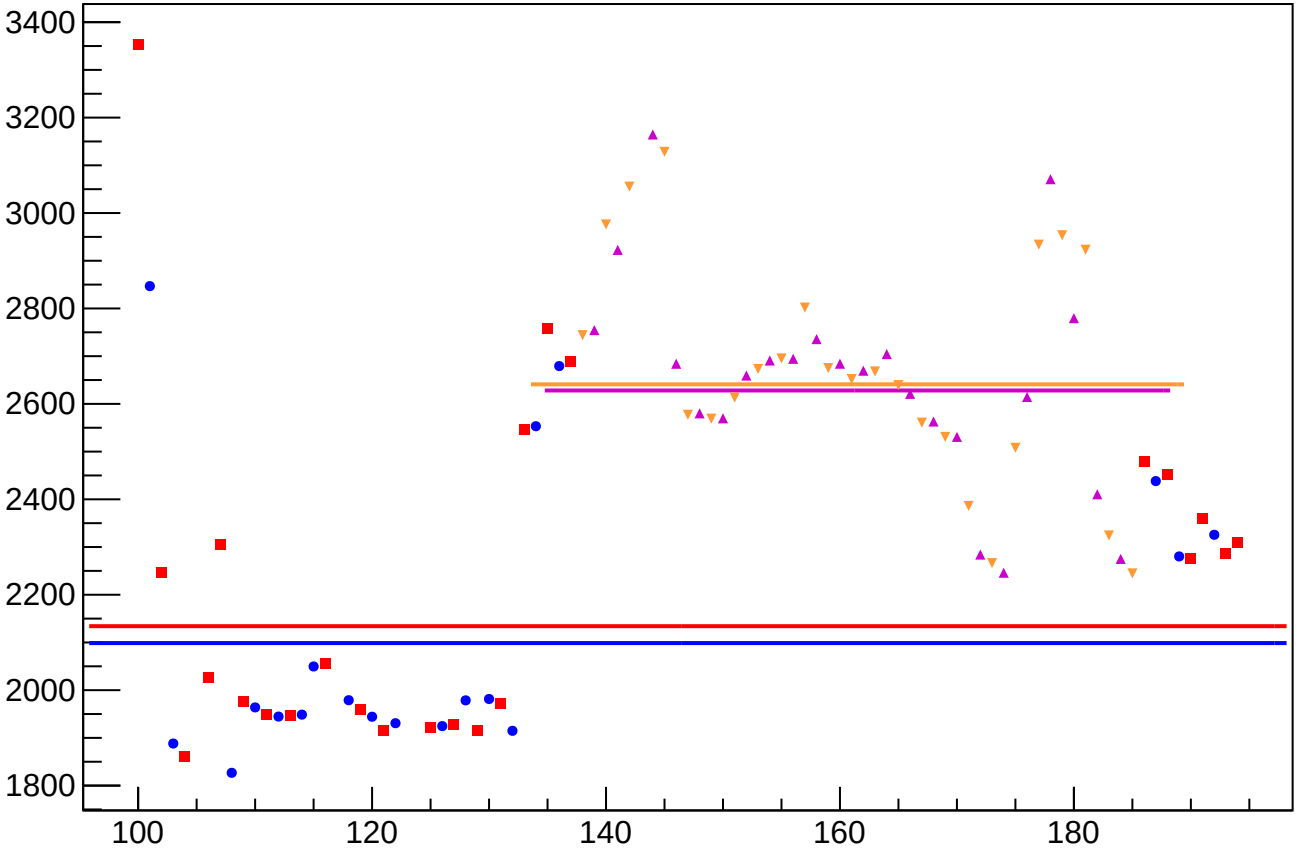
In: 7699.795+/-1.088 χ^2/NDF:4139650.5/41

Out: 1460.113+/-0.379 χ^2/NDF:45415996.4/49

All: 2135.402+/-0.358 χ^2/NDF: 78860049.5/9


dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
Right In: 2106.668+/-709.860 χ²/NDF: 9.9/18
Left Out: 142.497+/-615.731 χ²/NDF:45.8/23
Right Out: 1970.818+/-654.126 χ²/NDF: 17.5/23
Left In: 2745.982+/-616.123 χ²/NDF:15.4/22
Left: 1443.410+/-435.526 χ²/NDF: 70.2/46
Right: 2033.201+/-481.035 χ²/NDF: 27.5/42
In: 2471.295+/-465.302 χ²/NDF:25.8/41
Out: 1001.427+/-448.347 χ²/NDF:67.5/47
All: 1709.094+/-322.857 χ²/NDF: 98.5/89

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2098.712+/-0.502 χ^2/NDF: 308873.8/18

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2134.096+/-0.462 χ^2/NDF: 294969.0/23

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

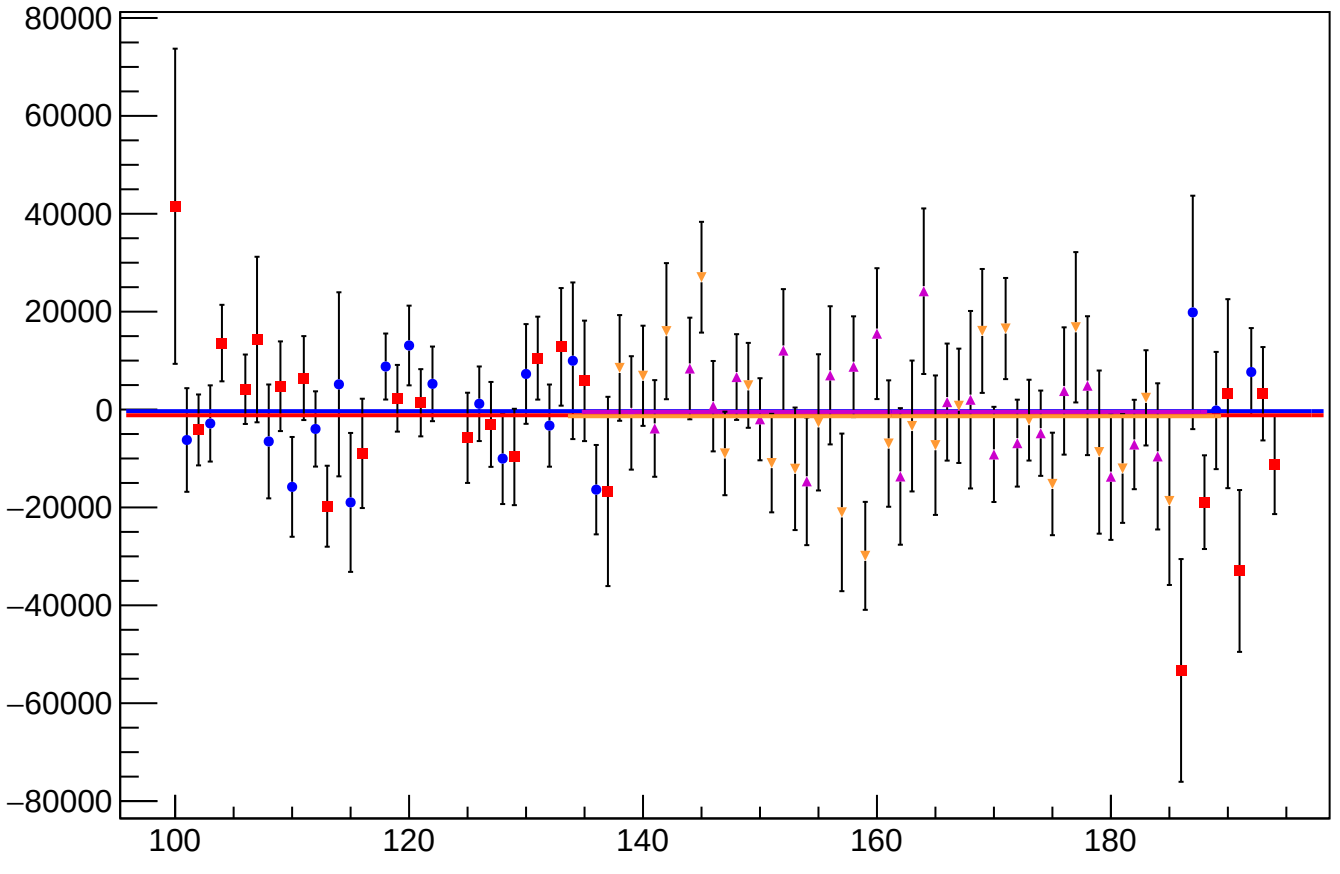
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2117.867+/-0.340 χ^2/NDF: 606532.8/42

In: 2400.651+/-0.329 χ^2/NDF:1180819.0/41

Out: 2402.581+/-0.317 χ^2/NDF:1185883.8/47

All: 2401.652+/-0.228 χ^2/NDF: 2366720.7/89



Right In: -328.717+/-2176.702 χ^2/NDF: 16.9/18

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: -1165.986+/-1975.615 χ^2/NDF: 33.0/23

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

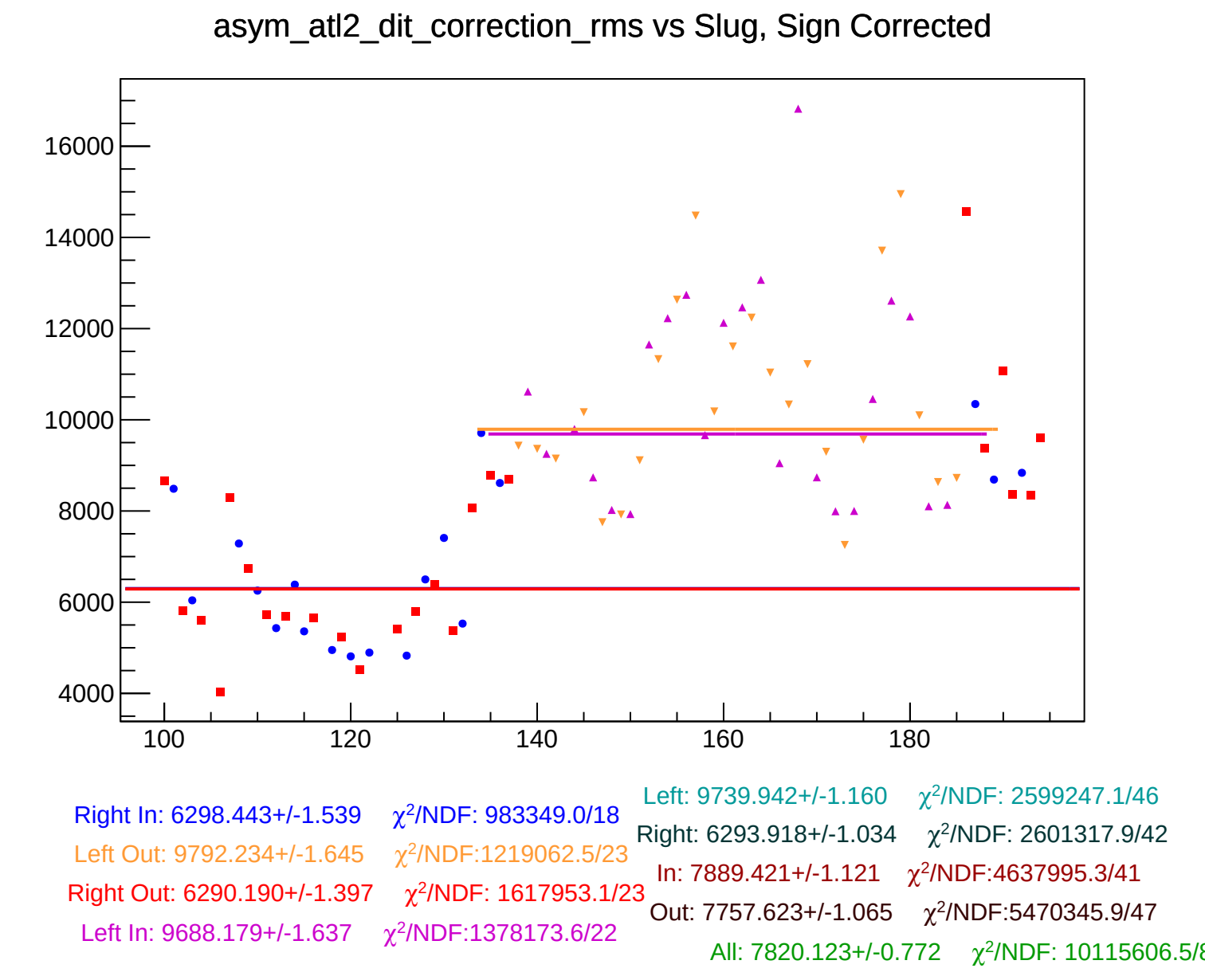
Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

Right: -787.803+/-1462.908 χ^2/NDF: 50.0/42

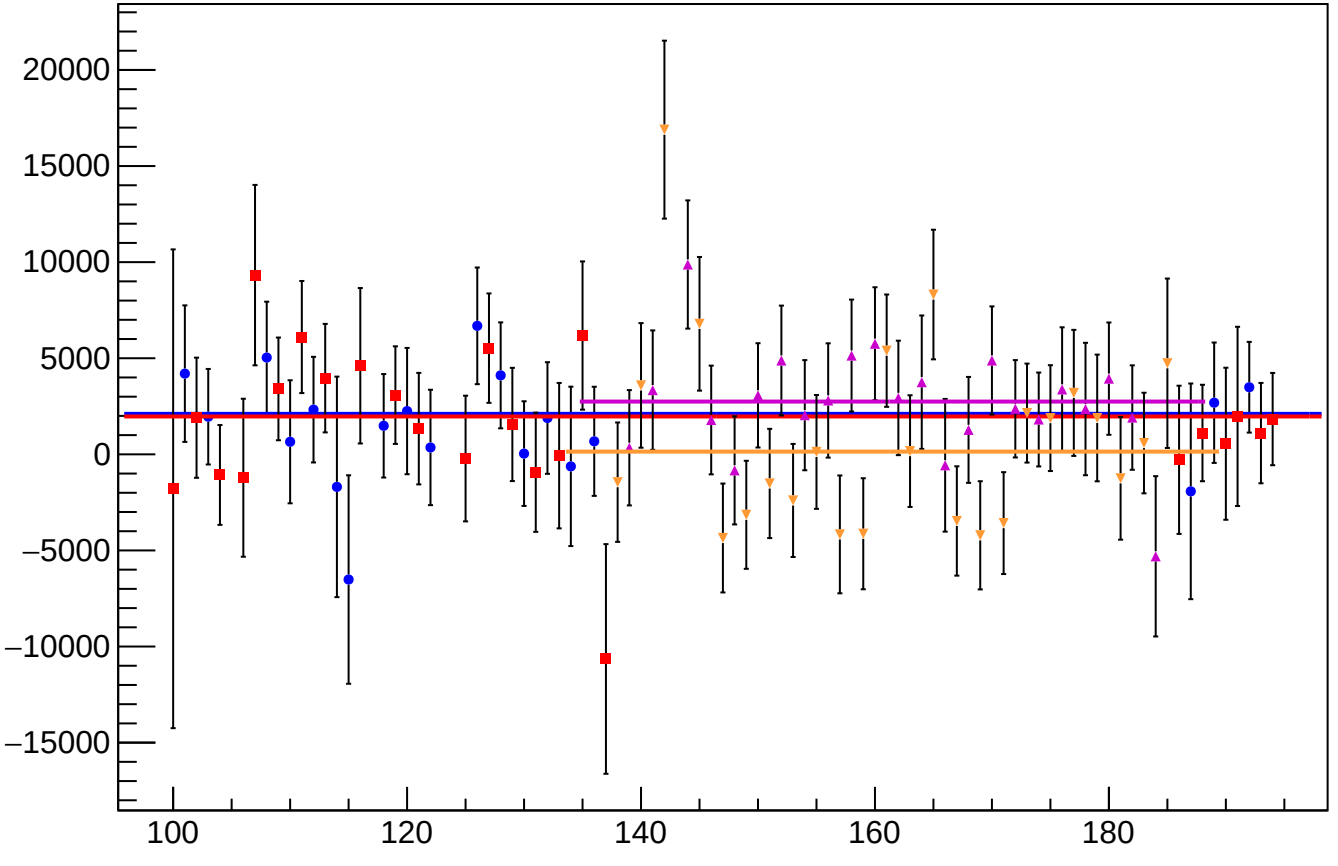
In: -392.107+/-1585.632 χ^2/NDF:30.0/41

Out: -1250.148+/-1505.851 χ^2/NDF:64.2/47

All: -843.256+/-1091.913 χ^2/NDF: 94.4/89


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
Right In: 6298.443+/-1.539 χ²/NDF: 983349.0/18
Left Out: 9792.234+/-1.645 χ²/NDF:1219062.5/23
Right Out: 6290.190+/-1.397 χ²/NDF: 1617953.1/23
Left In: 9688.179+/-1.637 χ²/NDF:1378173.6/22
Left: 9739.942+/-1.160 χ²/NDF: 2599247.1/46
Right: 6293.918+/-1.034 χ²/NDF: 2601317.9/42
In: 7889.421+/-1.121 χ²/NDF:4637995.3/41
Out: 7757.623+/-1.065 χ²/NDF:5470345.9/47
All: 7820.123+/-0.772 χ²/NDF: 10115606.5/8

eigen_dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2106.672+/-709.860 χ^2/NDF: 9.9/18

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: 1970.820+/-654.126 χ^2/NDF: 17.5/23

Left In: 2745.980+/-616.124 χ^2/NDF:15.4/22

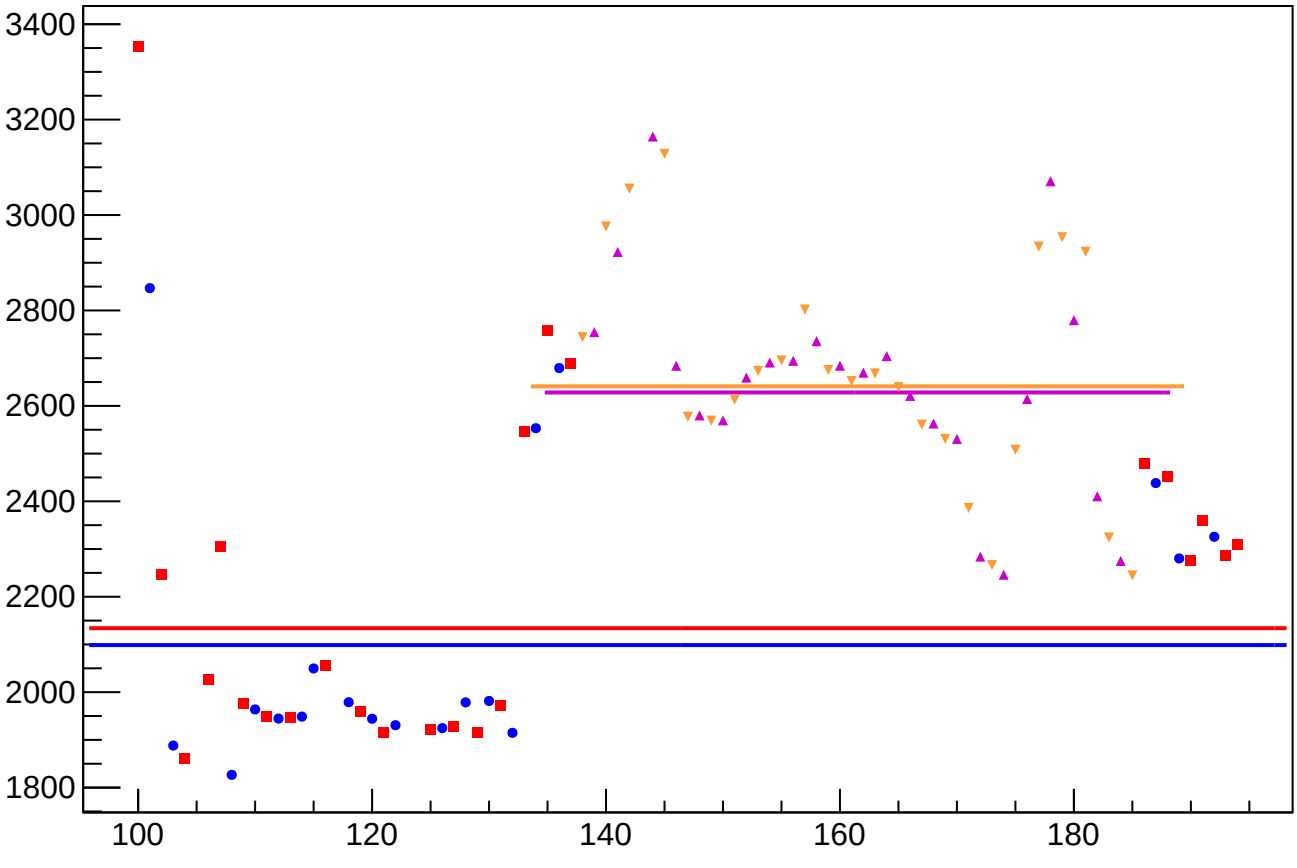
Left: 1443.405+/-435.527 χ^2/NDF: 70.2/46

Right: 2033.204+/-481.035 χ^2/NDF: 27.5/42

In: 2471.295+/-465.302 χ^2/NDF:25.8/41

Out: 1001.424+/-448.347 χ^2/NDF:67.5/47

All: 1709.092+/-322.857 χ^2/NDF: 98.5/89



Right In: 2098.712+/-0.502 χ^2/NDF: 308873.5/18

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2134.096+/-0.462 χ^2/NDF: 294969.1/23

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

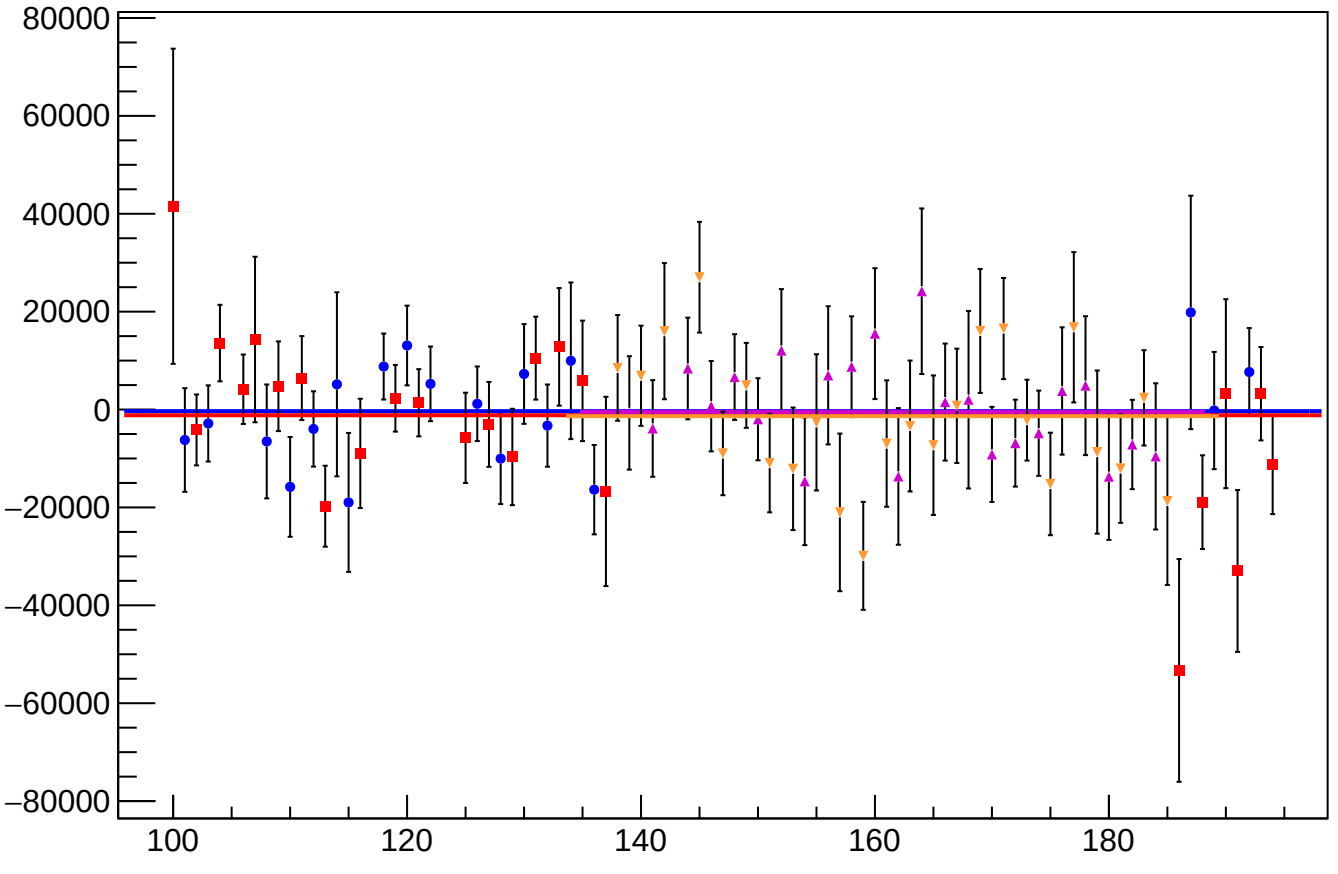
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2117.867+/-0.340 χ^2/NDF: 606532.6/42

In: 2400.652+/-0.329 χ^2/NDF:1180832.8/41

Out: 2402.582+/-0.317 χ^2/NDF:1185898.9/47

All: 2401.653+/-0.228 χ^2/NDF: 2366749.6/89



Right In: -328.710+/-2176.696 χ^2/NDF: 16.9/18

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: -1165.973+/-1975.611 χ^2/NDF: 33.0/23

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

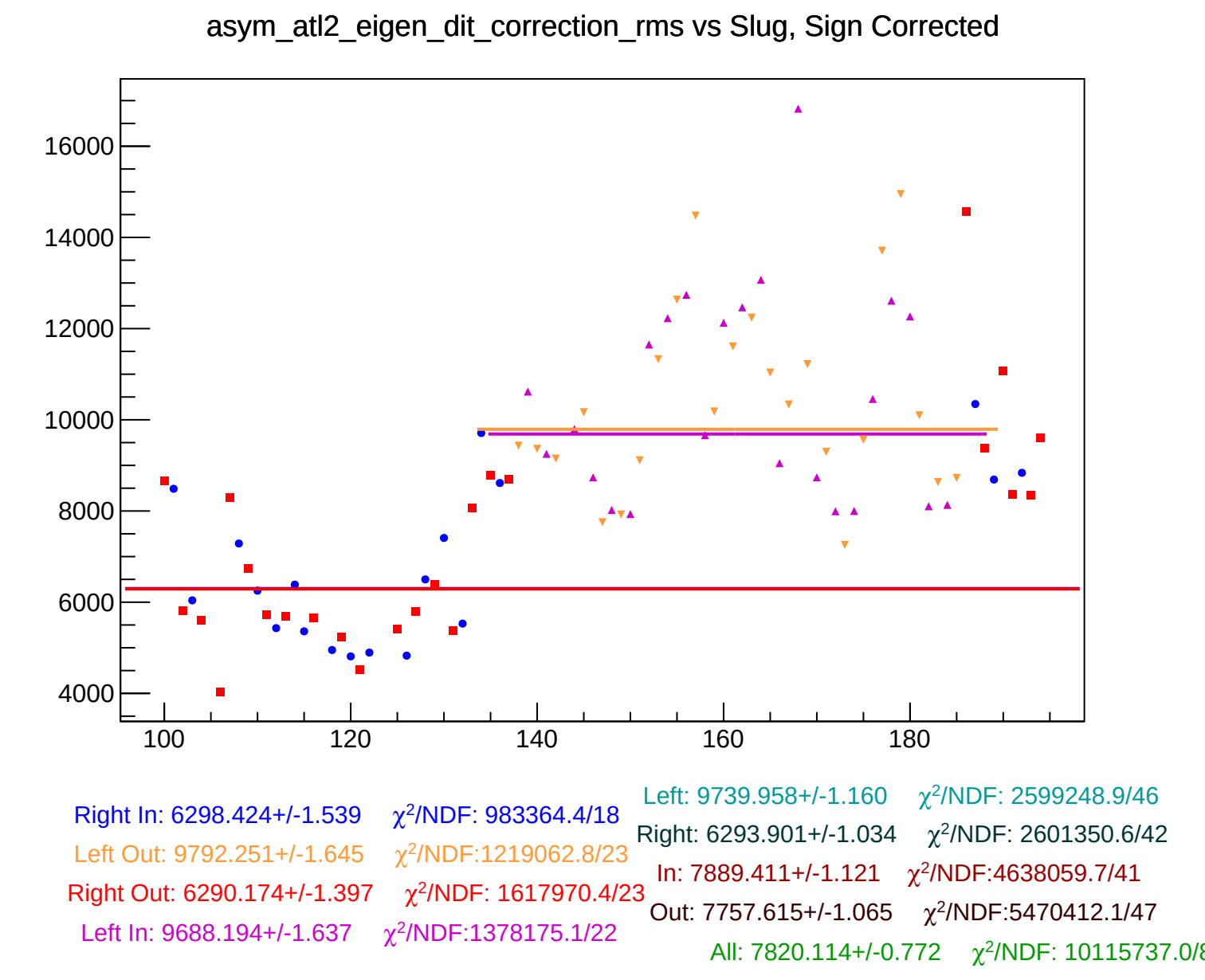
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -787.793+/-1462.905 χ^2/NDF: 50.0/42

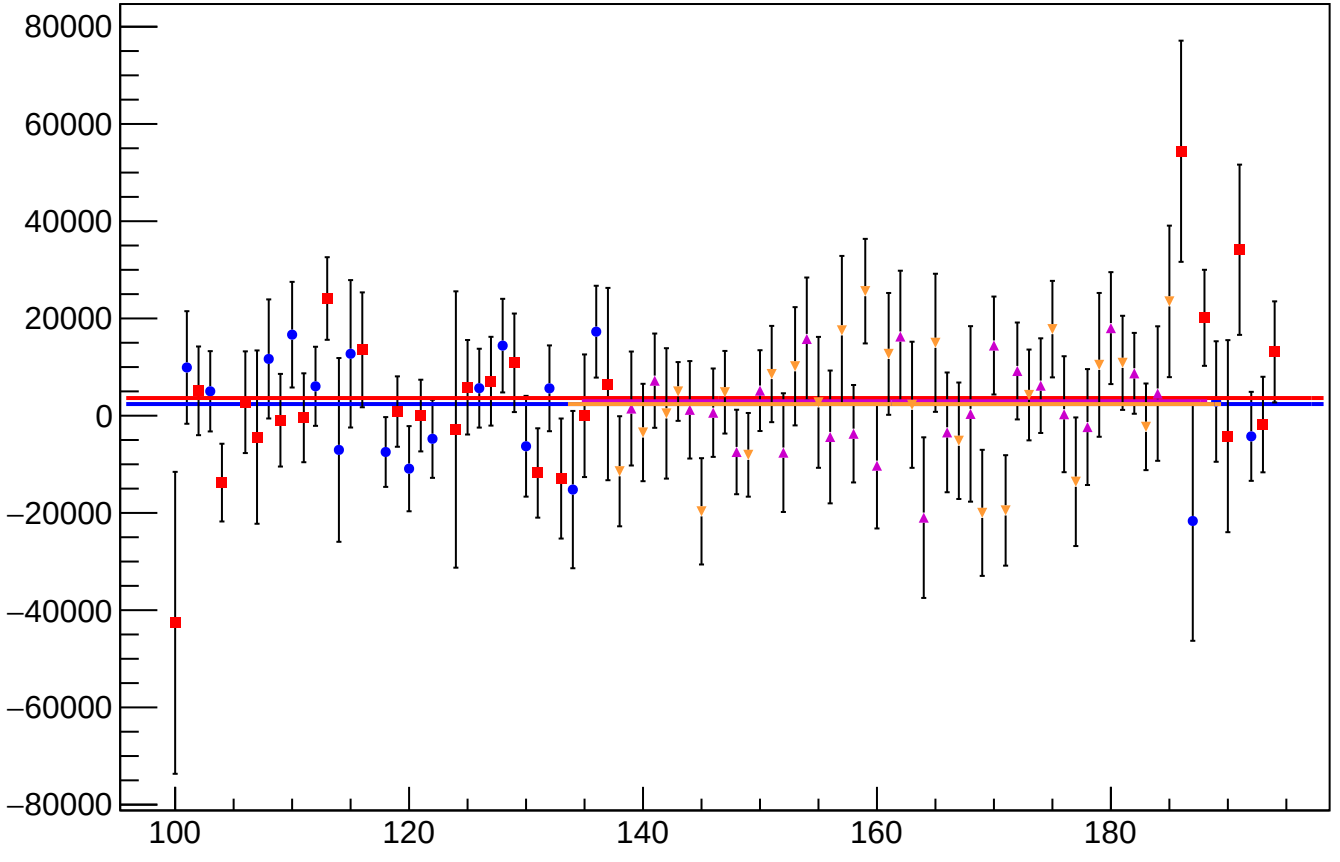
In: -392.104+/-1585.631 χ^2/NDF:30.0/41

Out: -1250.144+/-1505.851 χ^2/NDF:64.2/47

All: -843.252+/-1091.912 χ^2/NDF: 94.4/89


asym_atl2_eigen_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
Right In: 6298.424+/-1.539 χ²/NDF: 983364.4/18
Left Out: 9792.251+/-1.645 χ²/NDF:1219062.8/23
Right Out: 6290.174+/-1.397 χ²/NDF: 1617970.4/23
Left In: 9688.194+/-1.637 χ²/NDF:1378175.1/22
Left: 9739.958+/-1.160 χ²/NDF: 2599248.9/46
Right: 6293.901+/-1.034 χ²/NDF: 2601350.6/42
In: 7889.411+/-1.121 χ²/NDF:4638059.7/41
Out: 7757.615+/-1.065 χ²/NDF:5470412.1/47
All: 7820.114+/-0.772 χ²/NDF: 10115737.0/8

asym_atl2_mean vs Slug, Sign Corrected



Right In: 2393.381+/-2289.663 χ^2/NDF: 16.4/18

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: 3629.628+/-2127.702 χ^2/NDF: 32.1/24

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

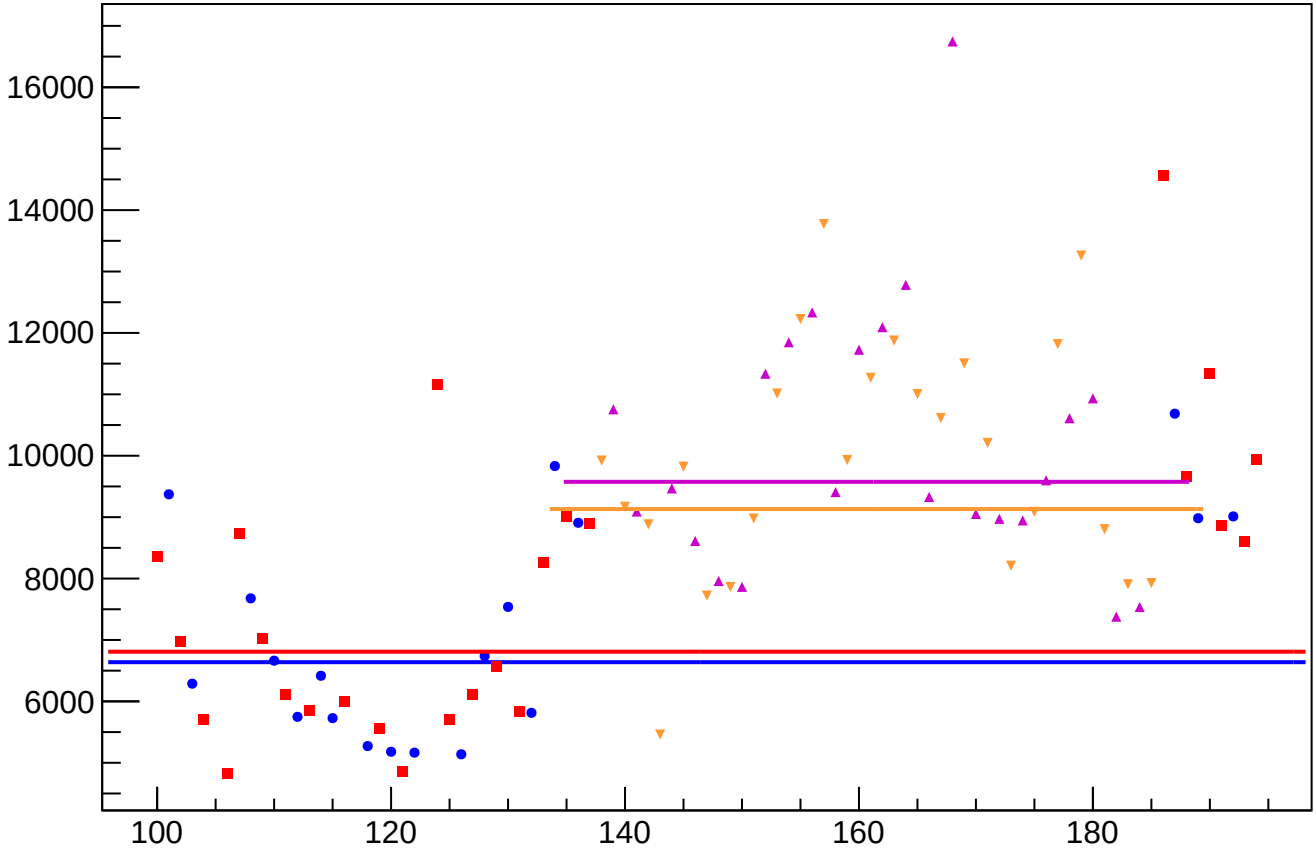
Right: 3056.770+/-1558.628 χ^2/NDF: 48.7/43

In: 2679.799+/-1615.227 χ^2/NDF:29.4/41

Out: 3011.313+/-1507.624 χ^2/NDF:62.0/49

All: 2856.965+/-1102.130 χ^2/NDF: 91.5/91

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6638.315+/-1.619 χ^2/NDF: 910839.8/18

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 6808.961+/-1.505 χ^2/NDF: 1384773.9/24

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

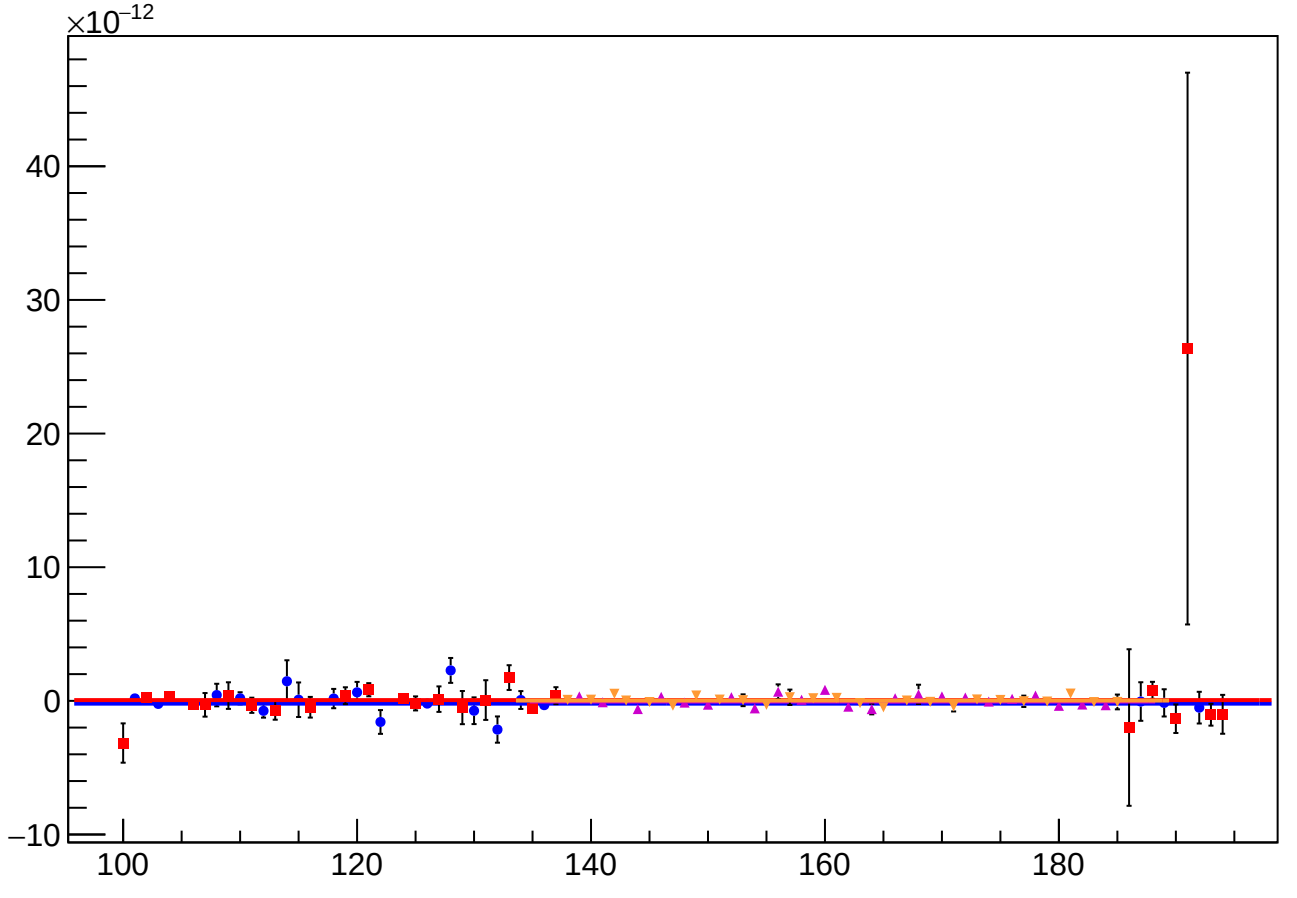
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 6729.886+/-1.102 χ^2/NDF: 2301575.1/43

In: 8113.673+/-1.142 χ^2/NDF:3717659.7/41

Out: 7965.526+/-1.066 χ^2/NDF:4383251.8/49

All: 8034.501+/-0.779 χ^2/NDF: 8109902.9/91



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/24

Left In: -0.000+/-0.000 χ^2/NDF:36.8/22

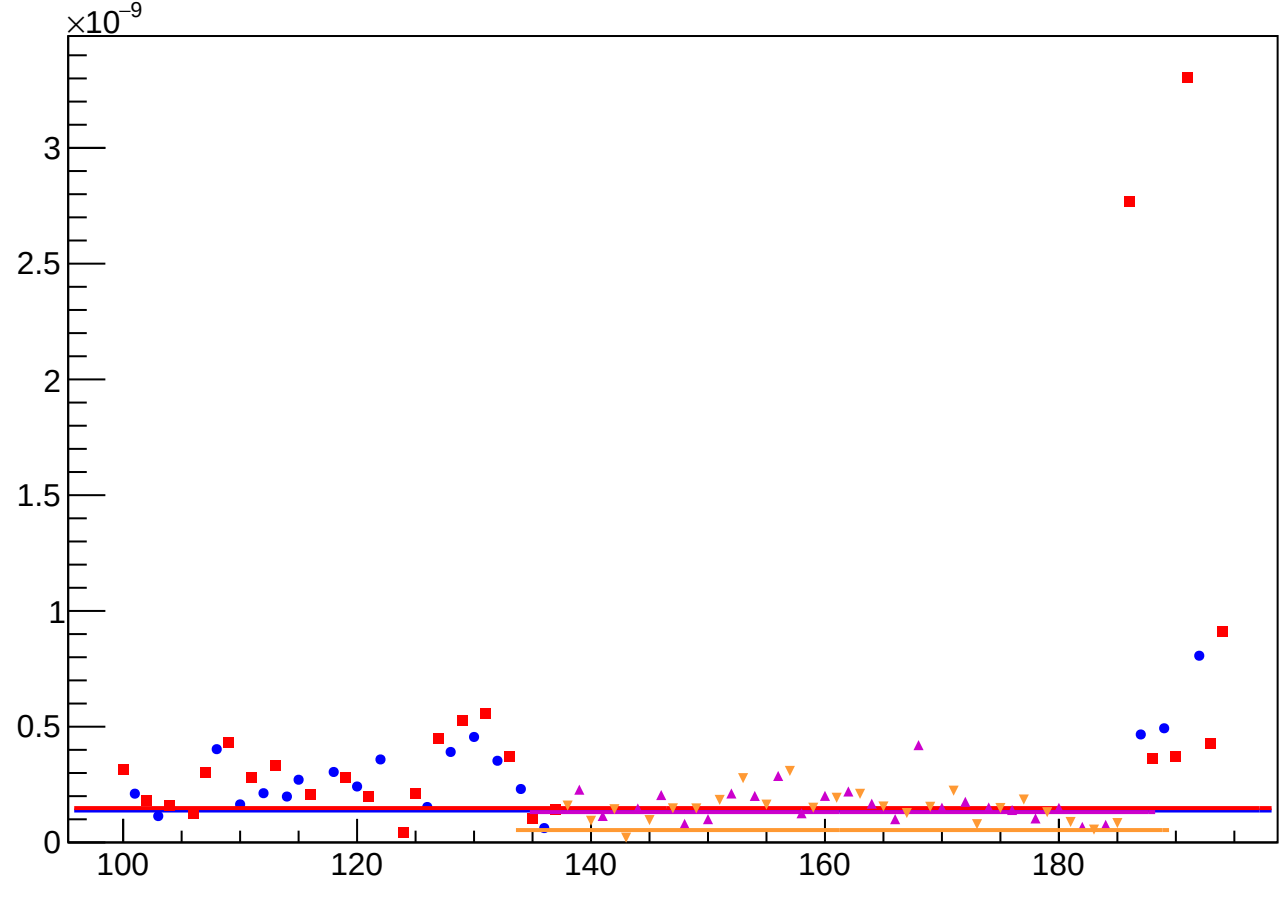
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 52.9/43

In: -0.000+/-0.000 χ^2/NDF:59.9/41

Out: 0.000+/-0.000 χ^2/NDF:46.0/49

All: -0.000+/-0.000 χ^2/NDF: 110.4/91



Right In: 0.000+/-0.000 χ^2/NDF: 2720694.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3894797.0/24

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

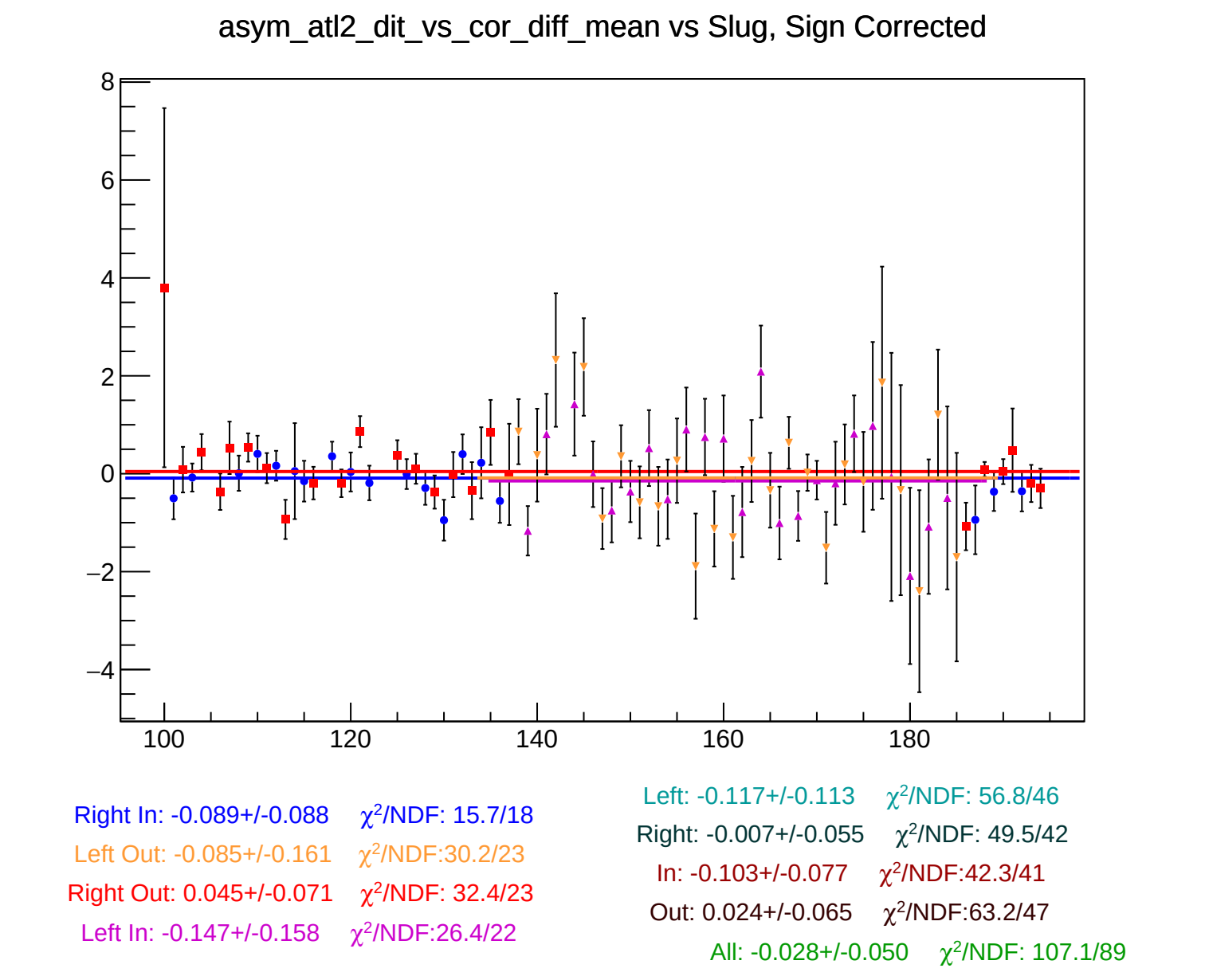
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 6628042.8/43

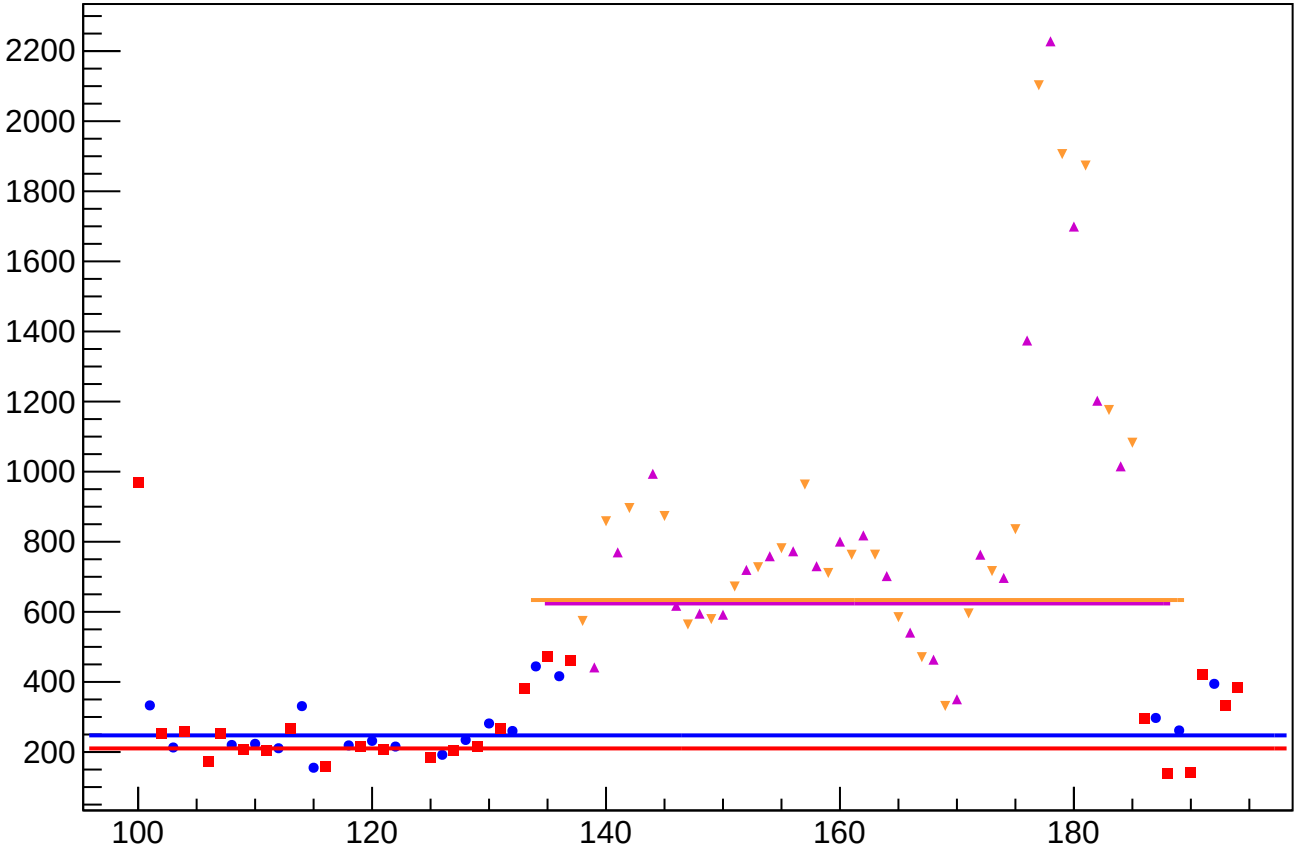
In: 0.000+/-0.000 χ^2/NDF:4632732.9/41

Out: 0.000+/-0.000 χ^2/NDF:13014680.7/49

All: 0.000+/-0.000 χ^2/NDF: 20934341.2/91


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
100
120
140
160
180
Right In: -0.089+/-0.088 χ²/NDF: 15.7/18
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.045+/-0.071 χ²/NDF: 32.4/23
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: -0.007+/-0.055 χ²/NDF: 49.5/42
In: -0.103+/-0.077 χ²/NDF:42.3/41
Out: 0.024+/-0.065 χ²/NDF:63.2/47
All: -0.028+/-0.050 χ²/NDF: 107.1/89

asym_atl2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 247.494+/-0.062 χ^2/NDF: 1095059.1/18

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 210.247+/-0.050 χ^2/NDF: 2262783.7/23

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

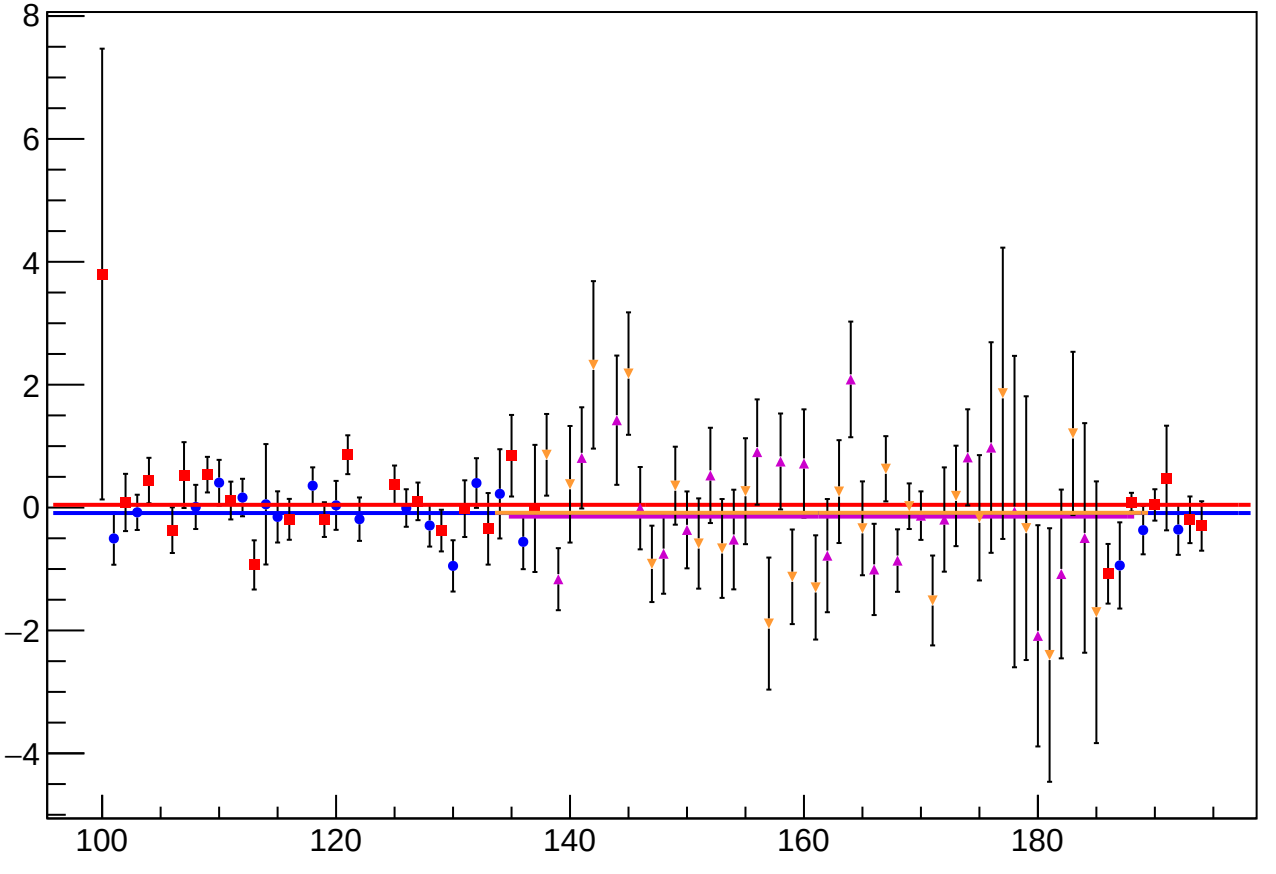
Right: 224.752+/-0.039 χ^2/NDF: 3574765.3/42

In: 337.014+/-0.055 χ^2/NDF:14265507.3/41

Out: 278.195+/-0.046 χ^2/NDF:18808588.4/47

All: 302.466+/-0.035 χ^2/NDF: 33756822.6/89

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.089+/-0.088 χ^2/NDF: 15.7/18

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.045+/-0.071 χ^2/NDF: 32.4/23

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

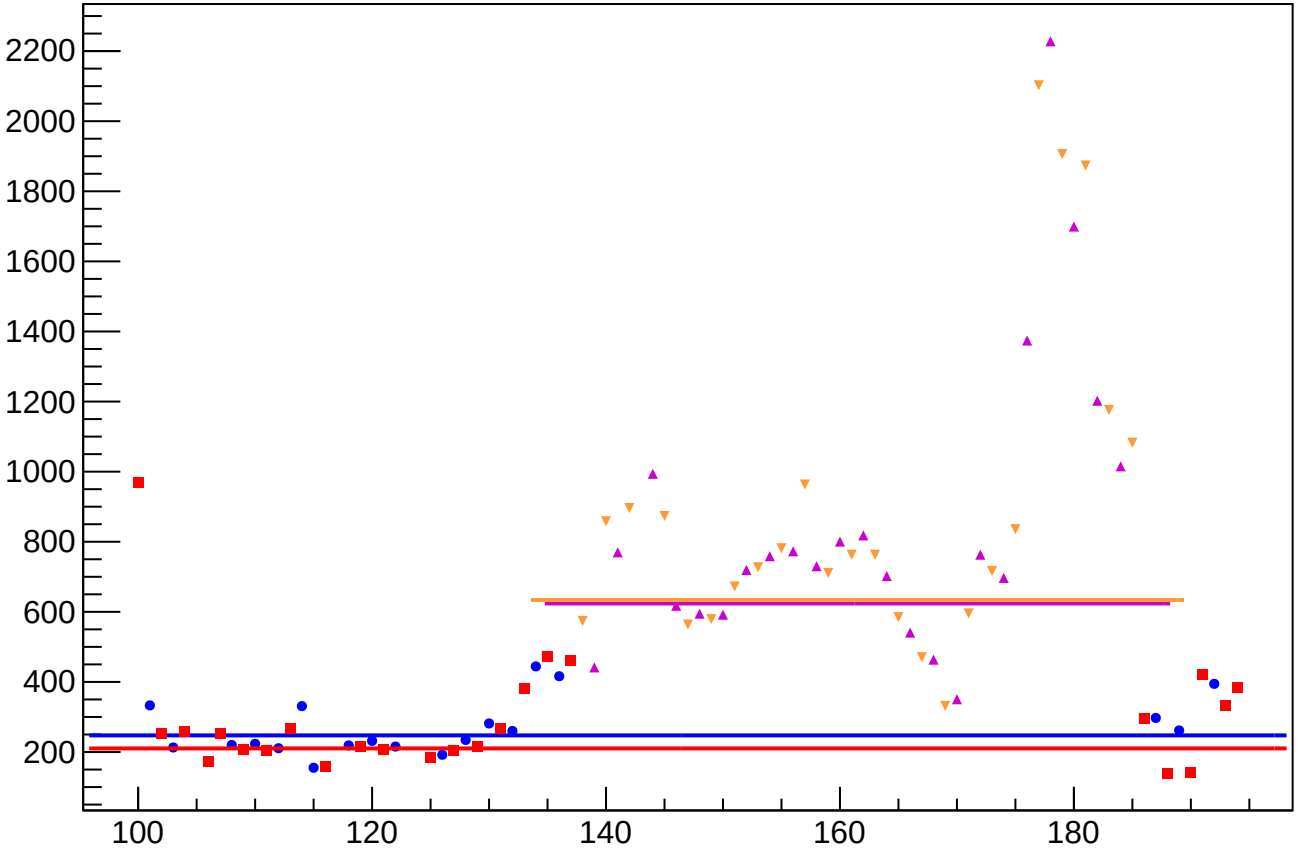
Right: -0.007+/-0.055 χ^2/NDF: 49.5/42

In: -0.103+/-0.077 χ^2/NDF:42.3/41

Out: 0.024+/-0.065 χ^2/NDF:63.2/47

All: -0.028+/-0.050 χ^2/NDF: 107.1/89

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 247.494+/-0.062 χ^2/NDF: 1095059.1/18

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 210.247+/-0.050 χ^2/NDF: 2262783.7/23

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

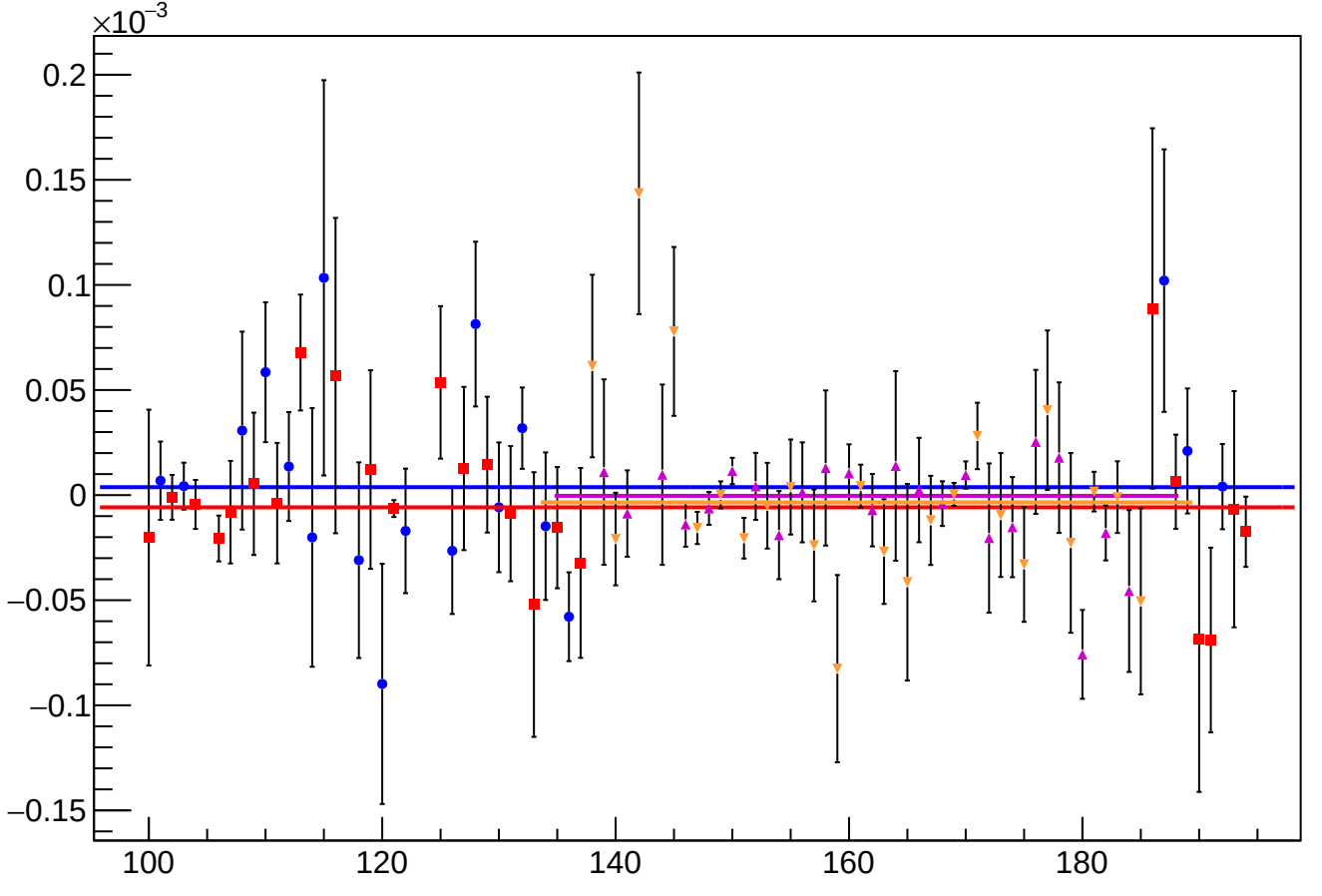
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 224.752+/-0.039 χ^2/NDF: 3574765.3/42

In: 337.014+/-0.055 χ^2/NDF:14265507.3/41

Out: 278.195+/-0.046 χ^2/NDF:18808588.4/47

All: 302.466+/-0.035 χ^2/NDF: 33756822.6/89



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/18

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/23

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

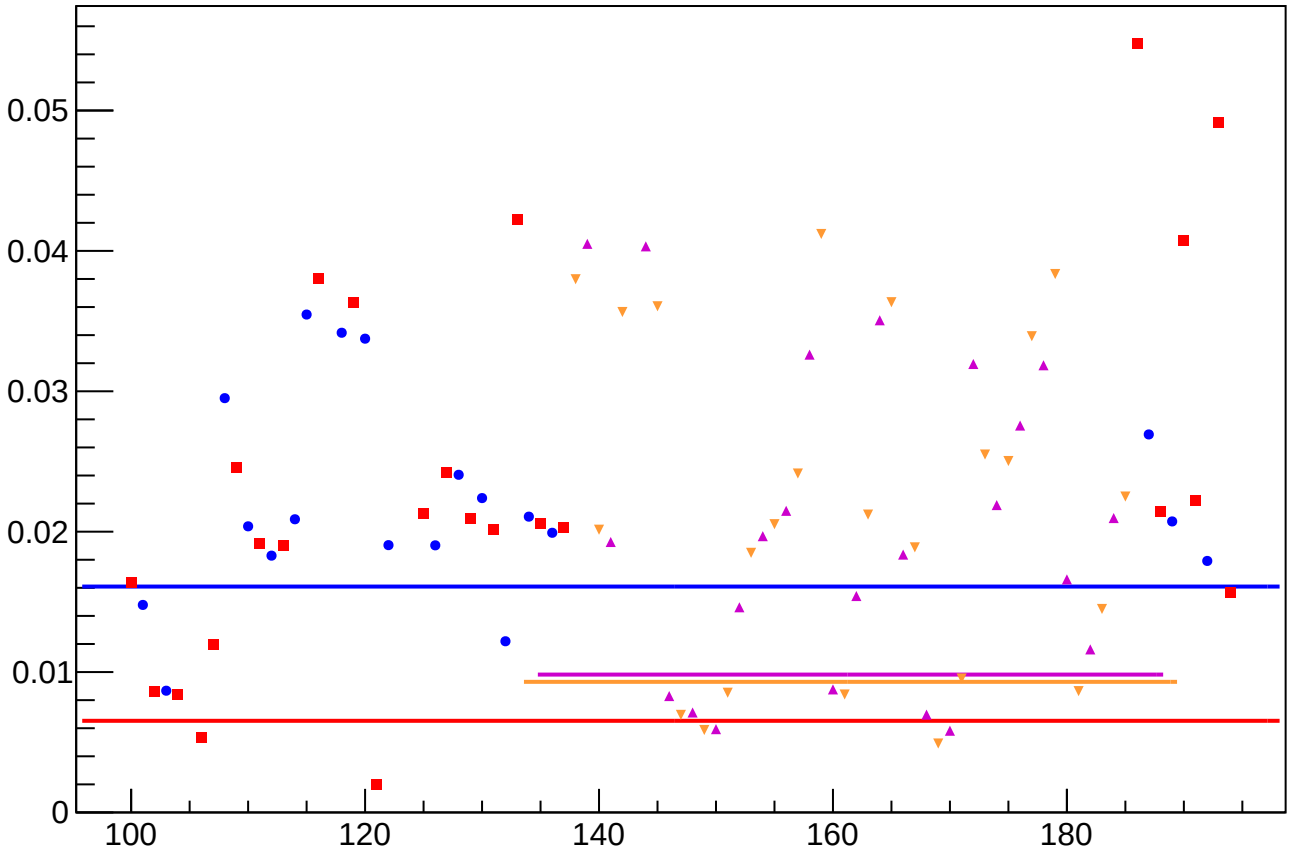
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: -0.000+/-0.000 χ^2/NDF: 48.4/42

In: 0.000+/-0.000 χ^2/NDF:55.2/41

Out: -0.000+/-0.000 χ^2/NDF:54.0/47

All: -0.000+/-0.000 χ^2/NDF: 111.4/89



Right In: 0.016+/-0.000 χ^2/NDF: 2212303.8/18

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.007+/-0.000 χ^2/NDF: 12114505.4/23

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

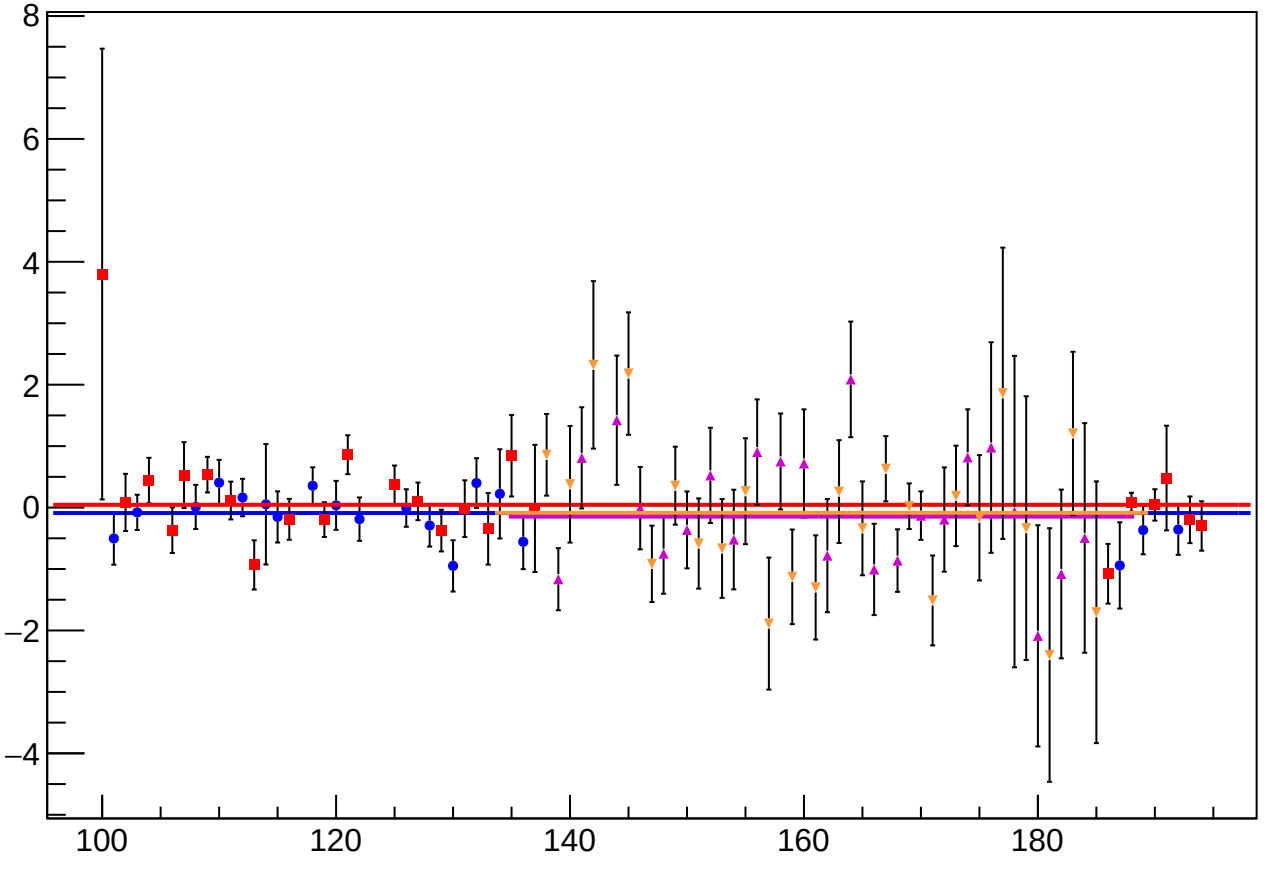
Right: 0.009+/-0.000 χ^2/NDF: 18412715.3/42

In: 0.011+/-0.000 χ^2/NDF:14324122.3/41

Out: 0.008+/-0.000 χ^2/NDF:25237679.0/47

All: 0.009+/-0.000 χ^2/NDF: 41143737.4/89

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.089+/-0.088 χ^2/NDF: 15.7/18

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.045+/-0.071 χ^2/NDF: 32.4/23

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

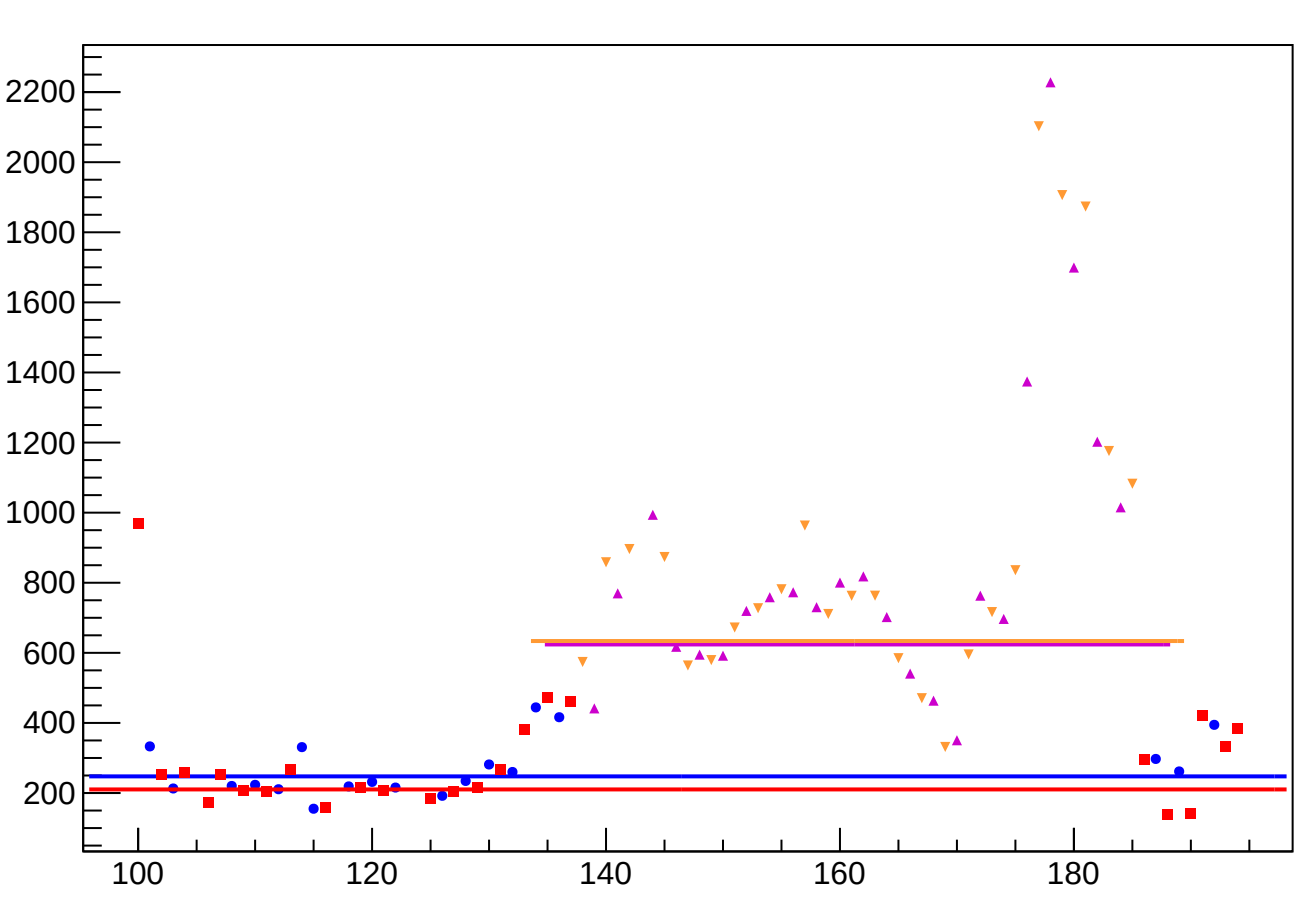
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: -0.007+/-0.055 χ^2/NDF: 49.5/42

In: -0.103+/-0.077 χ^2/NDF:42.3/41

Out: 0.024+/-0.065 χ^2/NDF:63.2/47

All: -0.028+/-0.050 χ^2/NDF: 107.1/89



Right In: 247.495+/-0.062 χ^2/NDF: 1095012.6/18

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 210.244+/-0.050 χ^2/NDF: 2262847.4/23

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

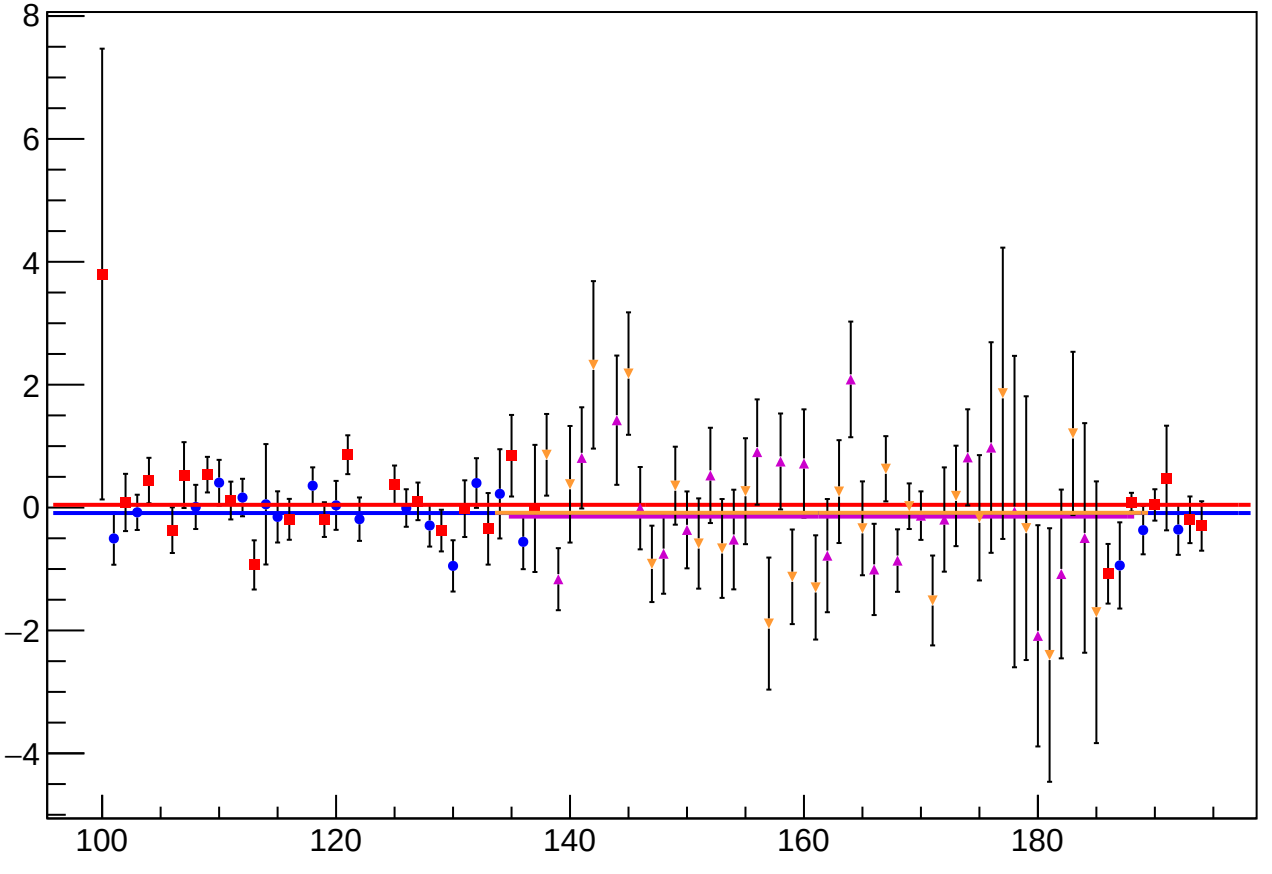
Right: 224.750+/-0.039 χ^2/NDF: 3574823.9/42

In: 337.015+/-0.055 χ^2/NDF:14265542.2/41

Out: 278.192+/-0.046 χ^2/NDF:18808960.5/47

All: 302.464+/-0.035 χ^2/NDF: 33757336.1/89

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.089+/-0.088 χ^2/NDF: 15.7/18

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.045+/-0.071 χ^2/NDF: 32.4/23

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

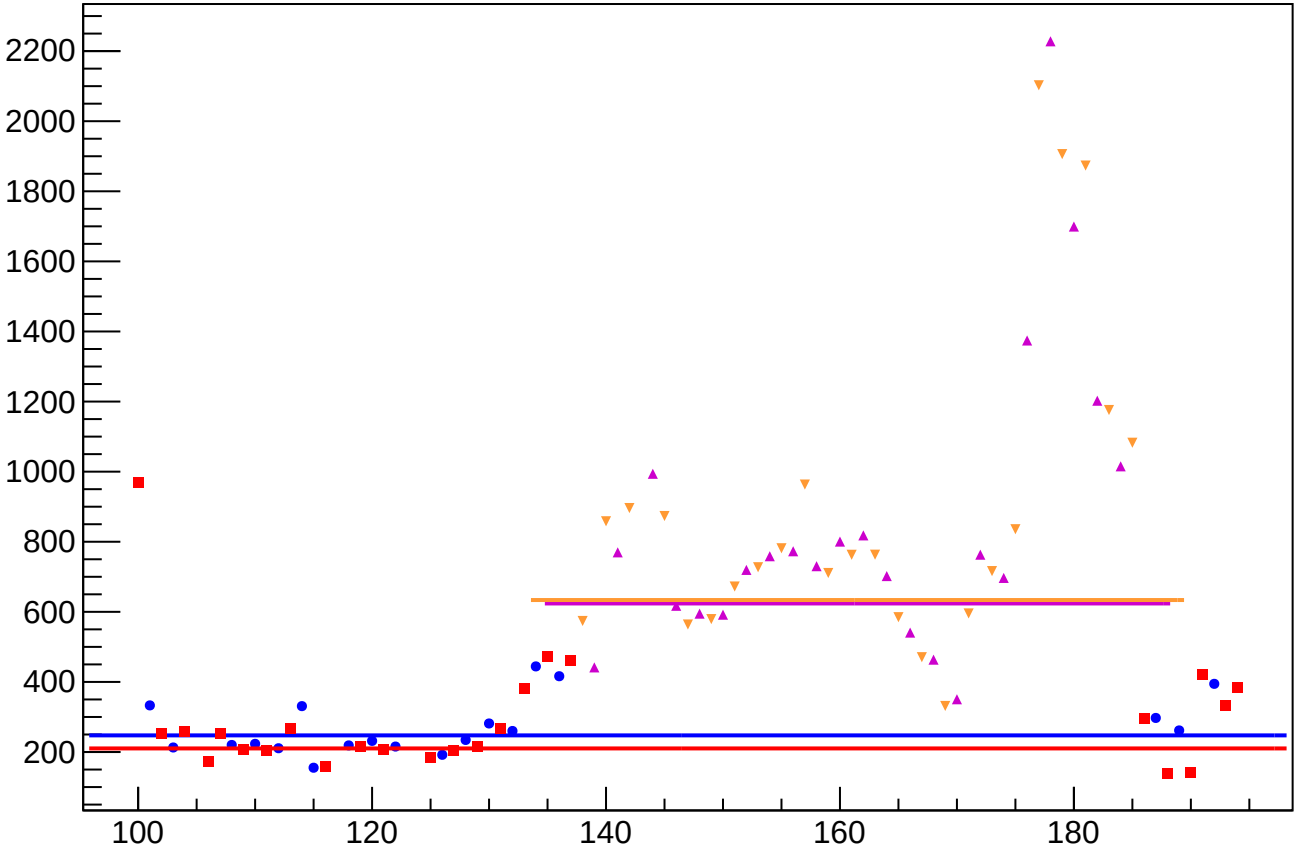
Right: -0.007+/-0.055 χ^2/NDF: 49.5/42

In: -0.103+/-0.077 χ^2/NDF:42.3/41

Out: 0.024+/-0.065 χ^2/NDF:63.2/47

All: -0.028+/-0.050 χ^2/NDF: 107.1/89

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 247.495+/-0.062 χ^2/NDF: 1095012.6/18

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 210.244+/-0.050 χ^2/NDF: 2262847.4/23

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

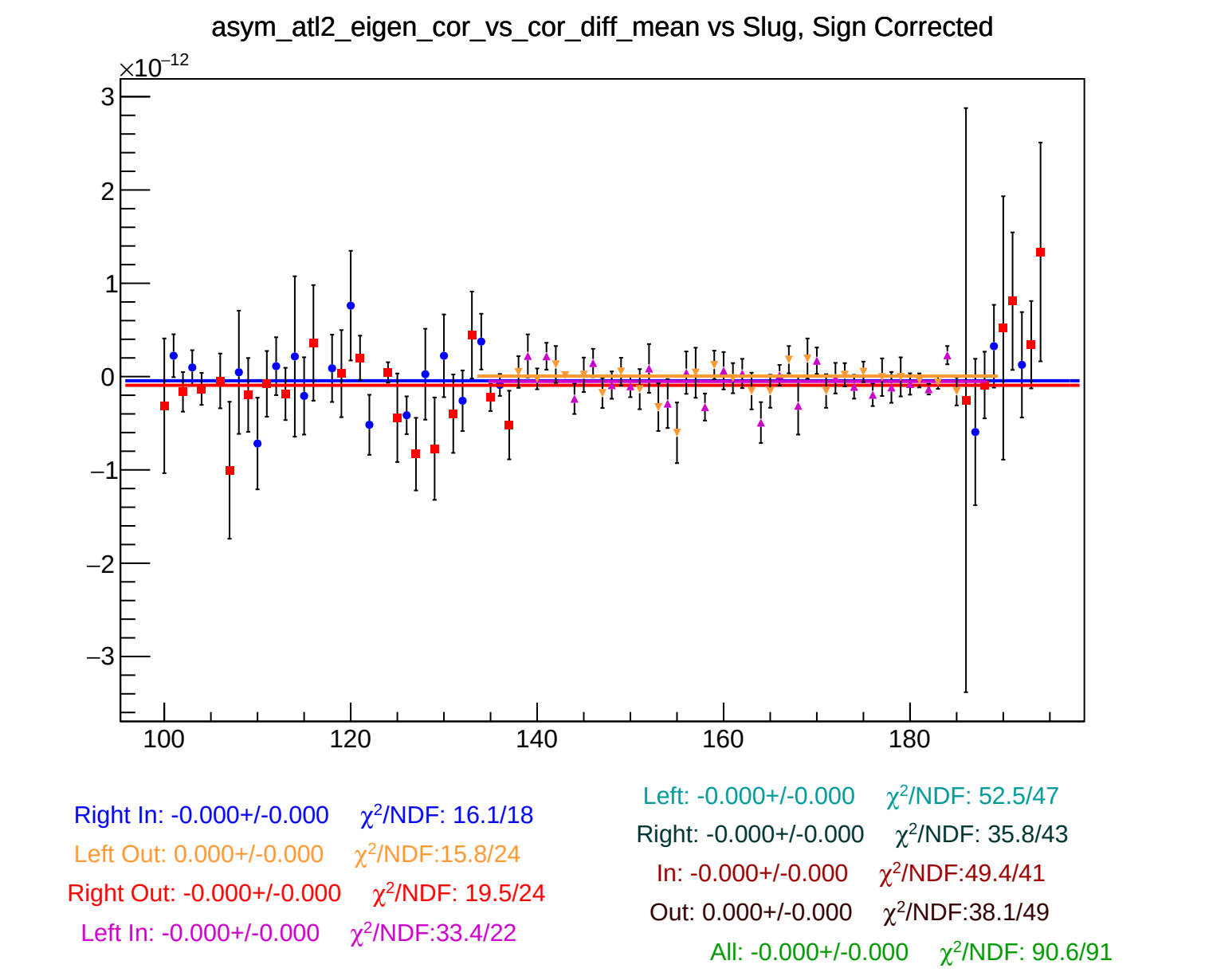
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

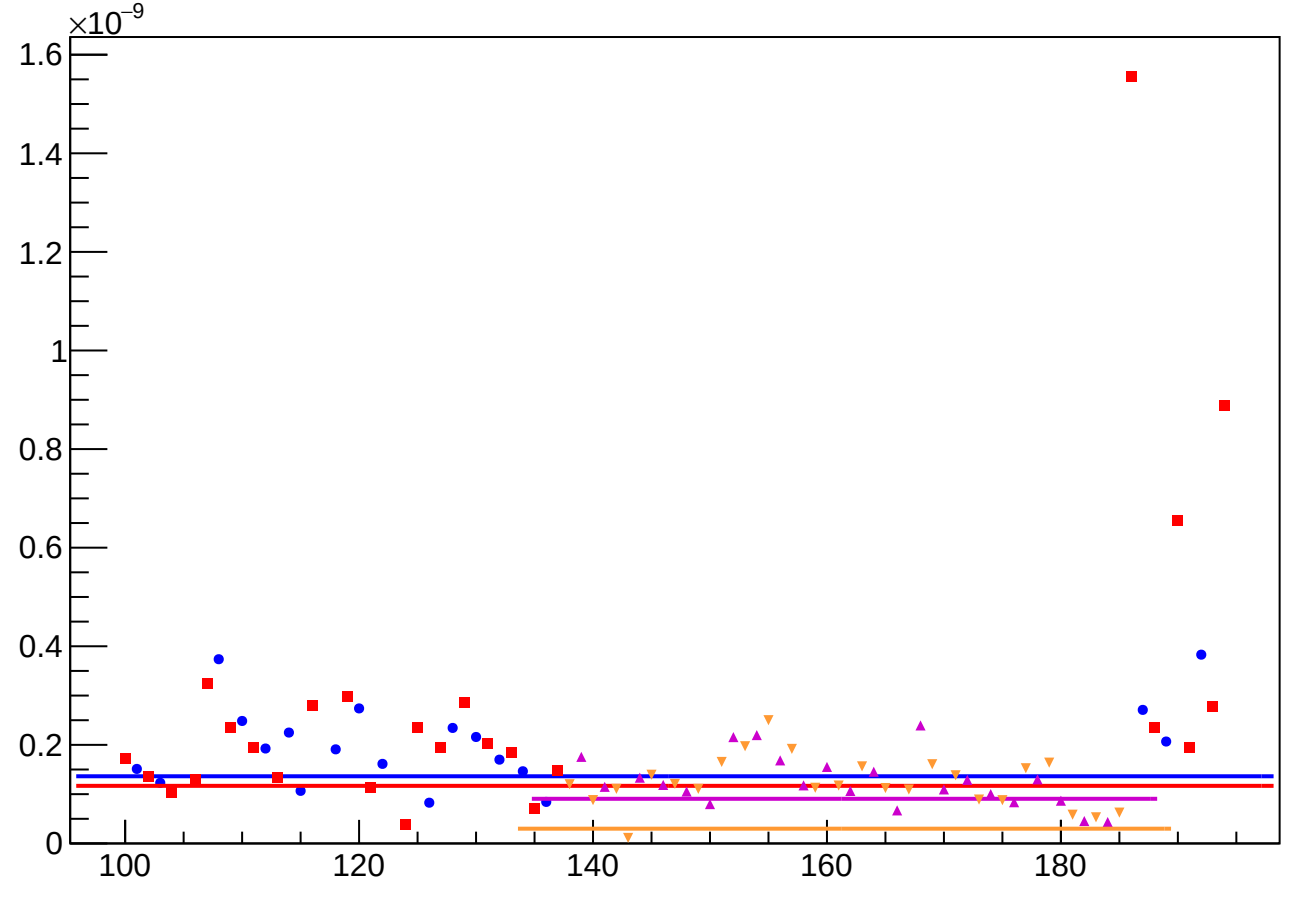
Right: 224.750+/-0.039 χ^2/NDF: 3574823.9/42

In: 337.015+/-0.055 χ^2/NDF:14265542.2/41

Out: 278.192+/-0.046 χ^2/NDF:18808960.5/47

All: 302.464+/-0.035 χ^2/NDF: 33757336.1/89


asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 16.1/18
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 19.5/24
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: 35.8/43
In: -0.000+/-0.000 χ²/NDF:49.4/41
Out: 0.000+/-0.000 χ²/NDF:38.1/49
All: -0.000+/-0.000 χ²/NDF: 90.6/91



Right In: 0.000+/-0.000 χ^2/NDF: 1840999.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4770943.6/24

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

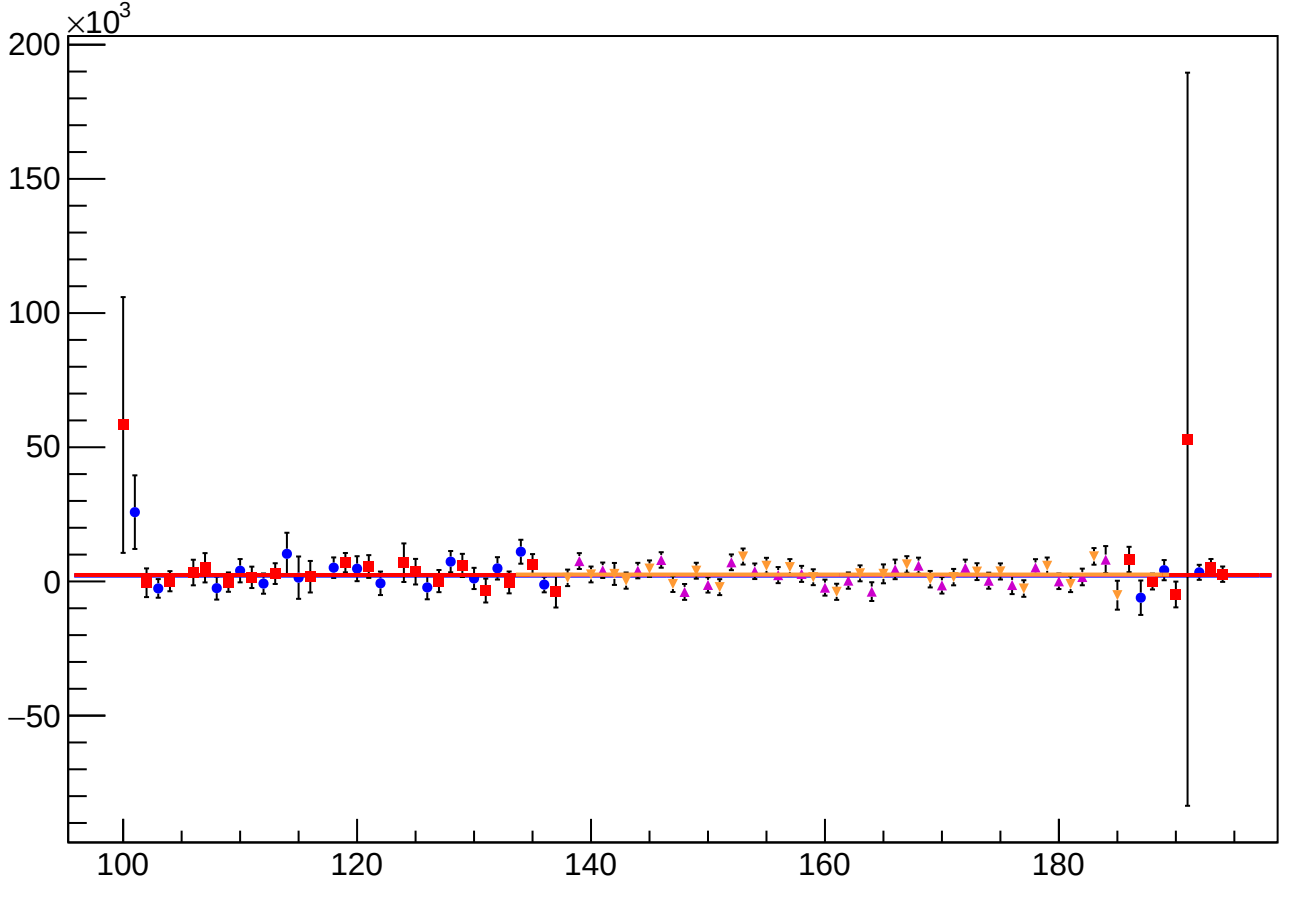
Right: 0.000+/-0.000 χ^2/NDF: 6710481.5/43

In: 0.000+/-0.000 χ^2/NDF:7370089.8/41

Out: 0.000+/-0.000 χ^2/NDF:26360991.4/49

All: 0.000+/-0.000 χ^2/NDF: 43190567.3/91

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2165.217+/-955.399 χ^2/NDF: 19.9/18

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: 2404.069+/-857.687 χ^2/NDF: 16.2/24

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

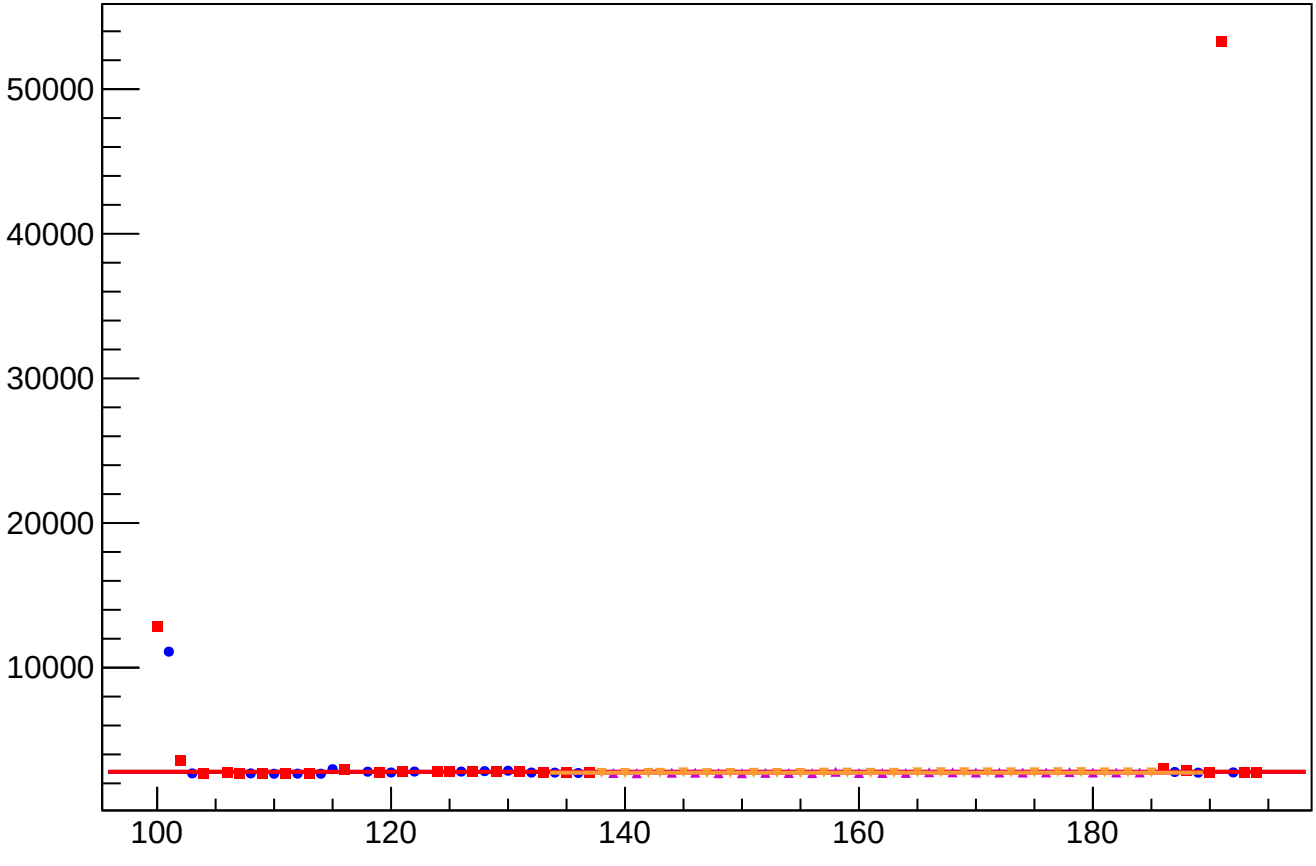
Right: 2297.478+/-638.235 χ^2/NDF: 36.2/43

In: 2333.065+/-531.566 χ^2/NDF:51.3/41

Out: 2504.197+/-503.438 χ^2/NDF:47.8/49

All: 2423.278+/-365.524 χ^2/NDF: 99.2/91

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2795.233+/-0.676 χ^2/NDF: 747220.0/18

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2800.940+/-0.606 χ^2/NDF: 478364.7/24

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

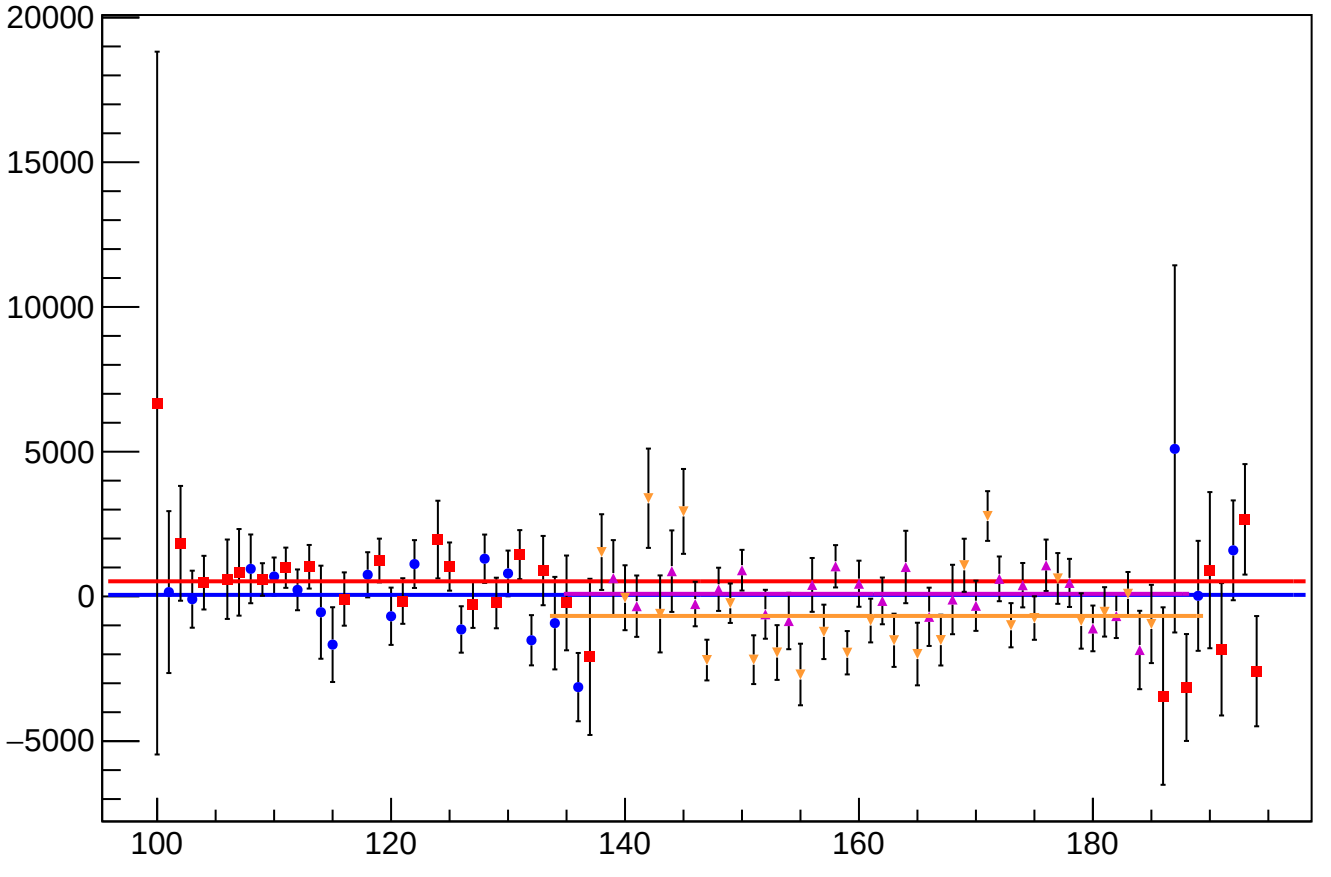
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2798.393+/-0.451 χ^2/NDF: 1225624.2/43

In: 2757.003+/-0.376 χ^2/NDF:755220.0/41

Out: 2759.370+/-0.356 χ^2/NDF:487850.1/49

All: 2758.251+/-0.258 χ^2/NDF: 1243091.0/91



Right In: 53.536+/-229.524 χ^2/NDF: 24.2/18

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: 522.270+/-209.785 χ^2/NDF: 20.1/24

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

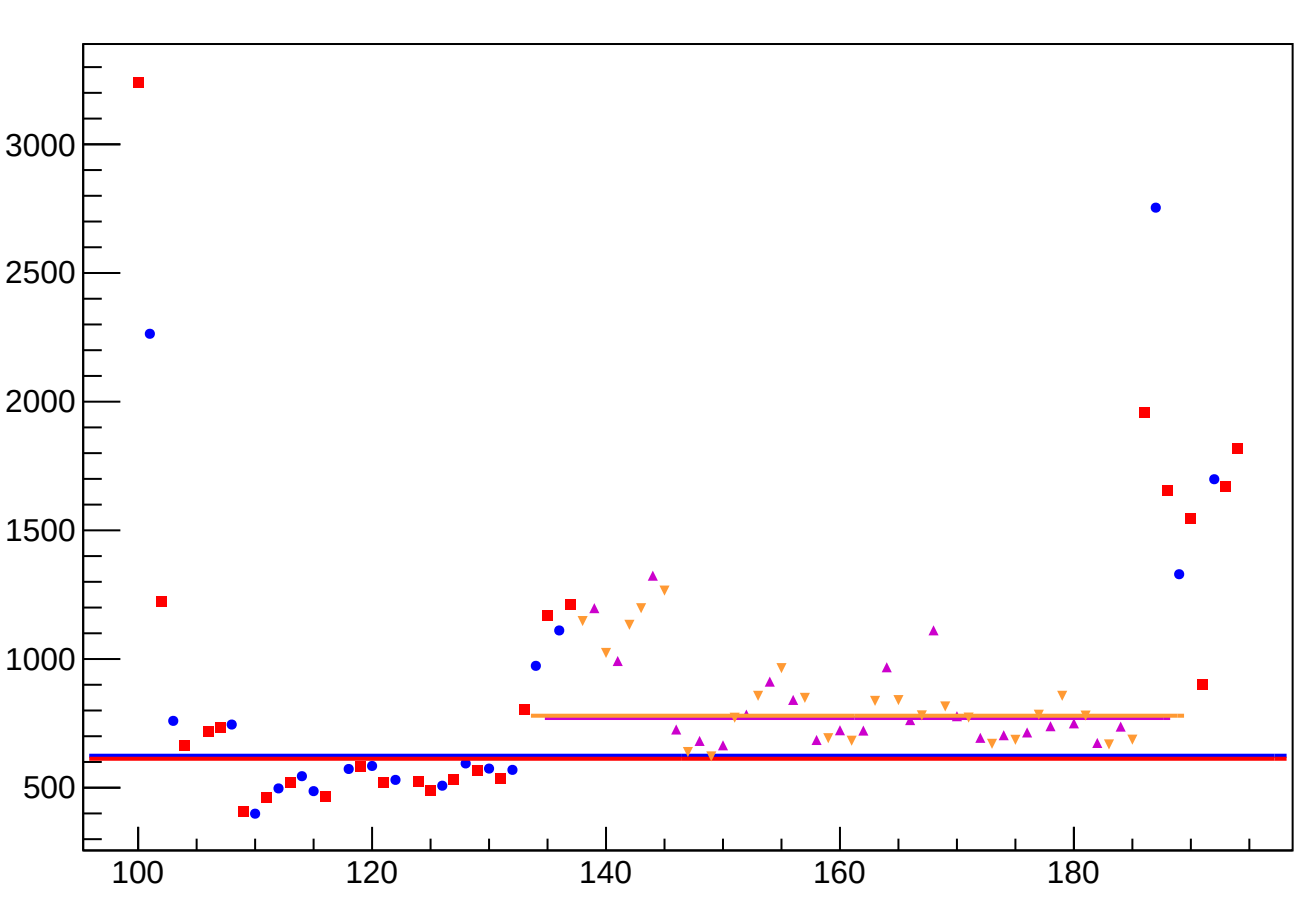
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 308.922+/-154.849 χ^2/NDF: 46.6/43

In: 75.489+/-143.322 χ^2/NDF:39.0/41

Out: -162.585+/-137.142 χ^2/NDF:97.1/49

All: -48.791+/-99.087 χ^2/NDF: 137.5/91



Right In: 624.275+/-0.162 χ^2/NDF: 2885631.7/18

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 612.481+/-0.148 χ^2/NDF: 3970922.3/24

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

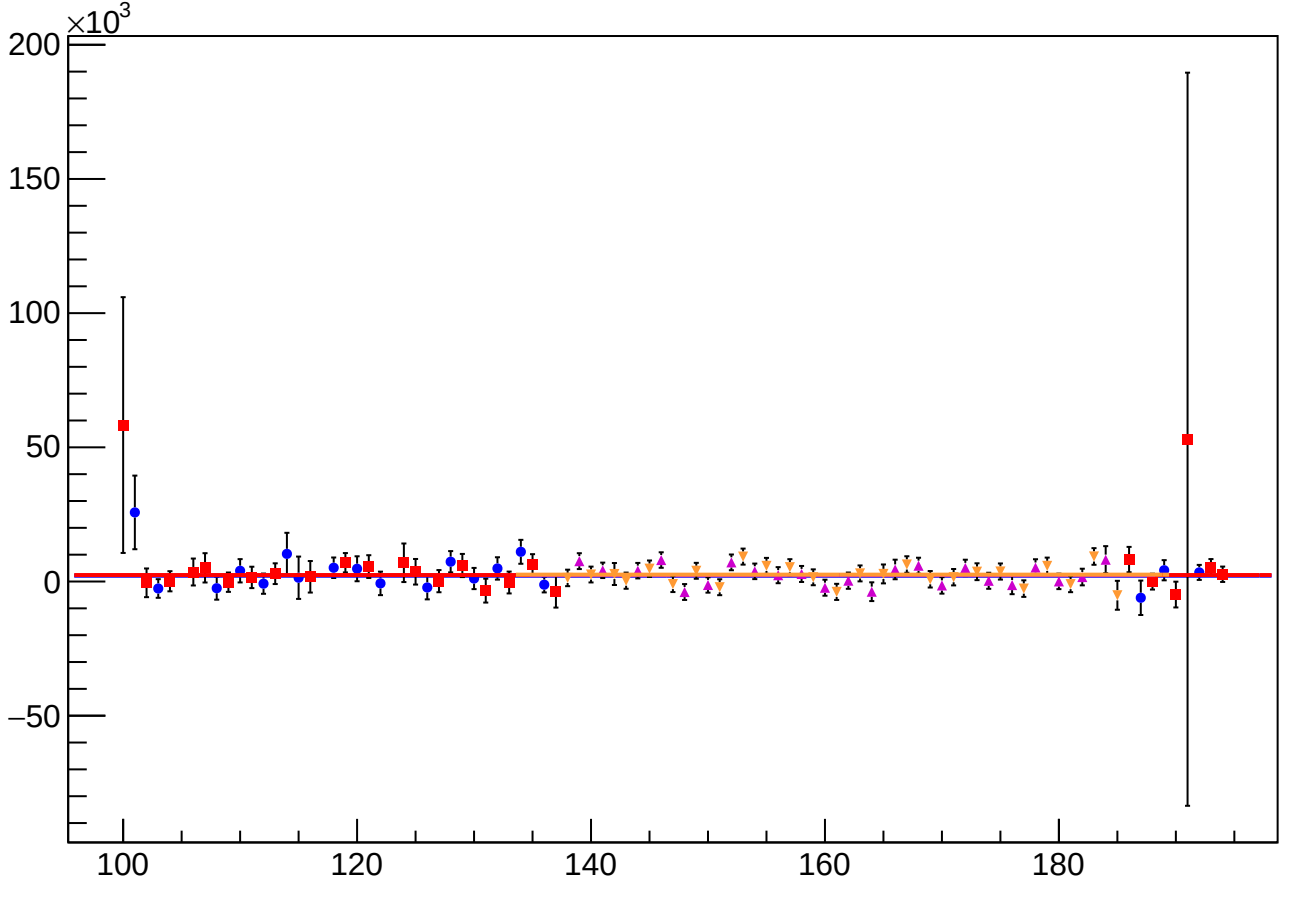
Right: 617.849+/-0.109 χ^2/NDF: 6859431.2/43

In: 713.665+/-0.101 χ^2/NDF:4459218.0/41

Out: 708.246+/-0.097 χ^2/NDF:5942465.8/49

All: 710.836+/-0.070 χ^2/NDF: 10403176.6/91

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2164.587+/-955.399 χ^2/NDF: 19.9/18

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2408.128+/-859.041 χ^2/NDF: 16.2/24

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

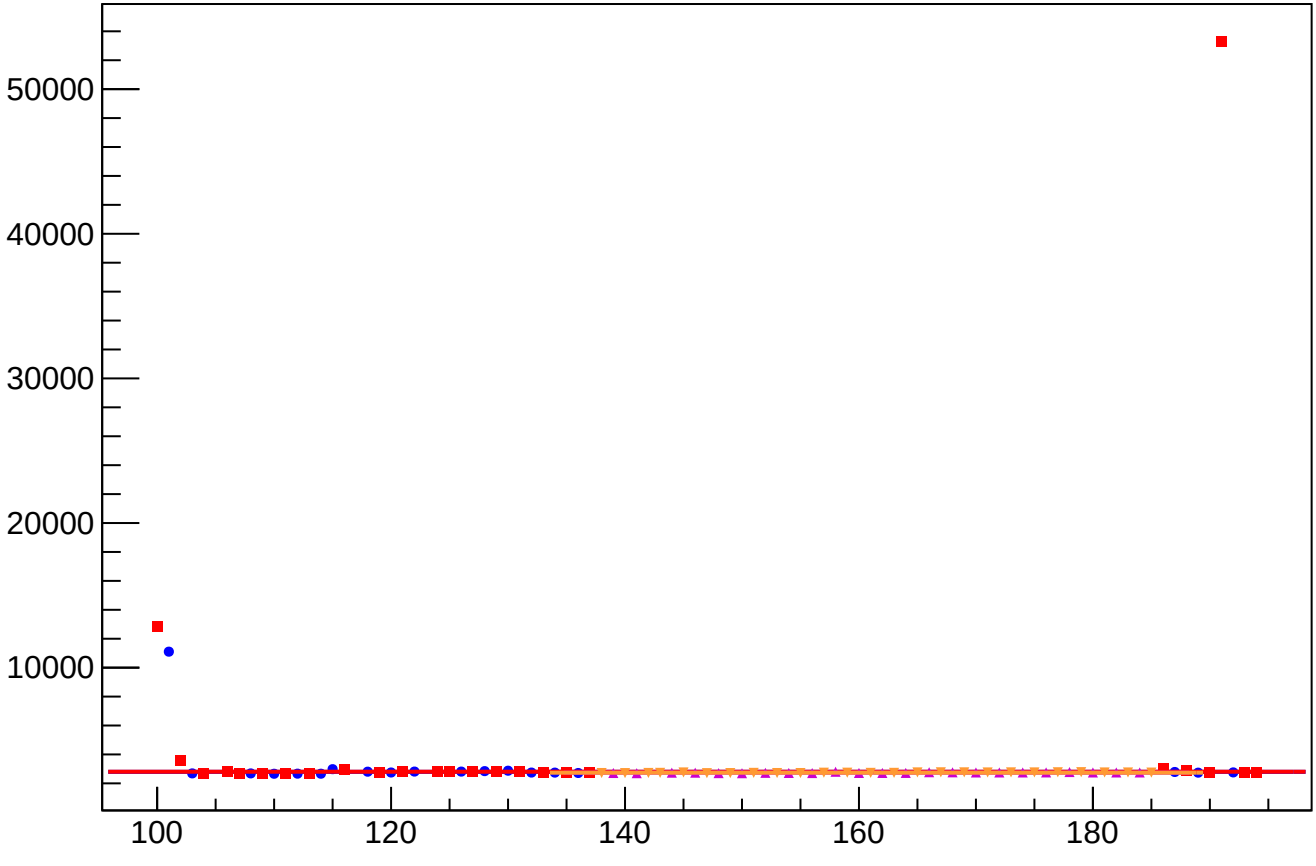
Right: 2299.255+/-638.792 χ^2/NDF: 36.2/43

In: 2332.967+/-531.566 χ^2/NDF:51.3/41

Out: 2505.675+/-503.711 χ^2/NDF:47.8/49

All: 2423.965+/-365.628 χ^2/NDF: 99.2/91

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2795.233+/-0.676 χ^2/NDF: 747219.2/18

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2804.634+/-0.607 χ^2/NDF: 477885.1/24

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

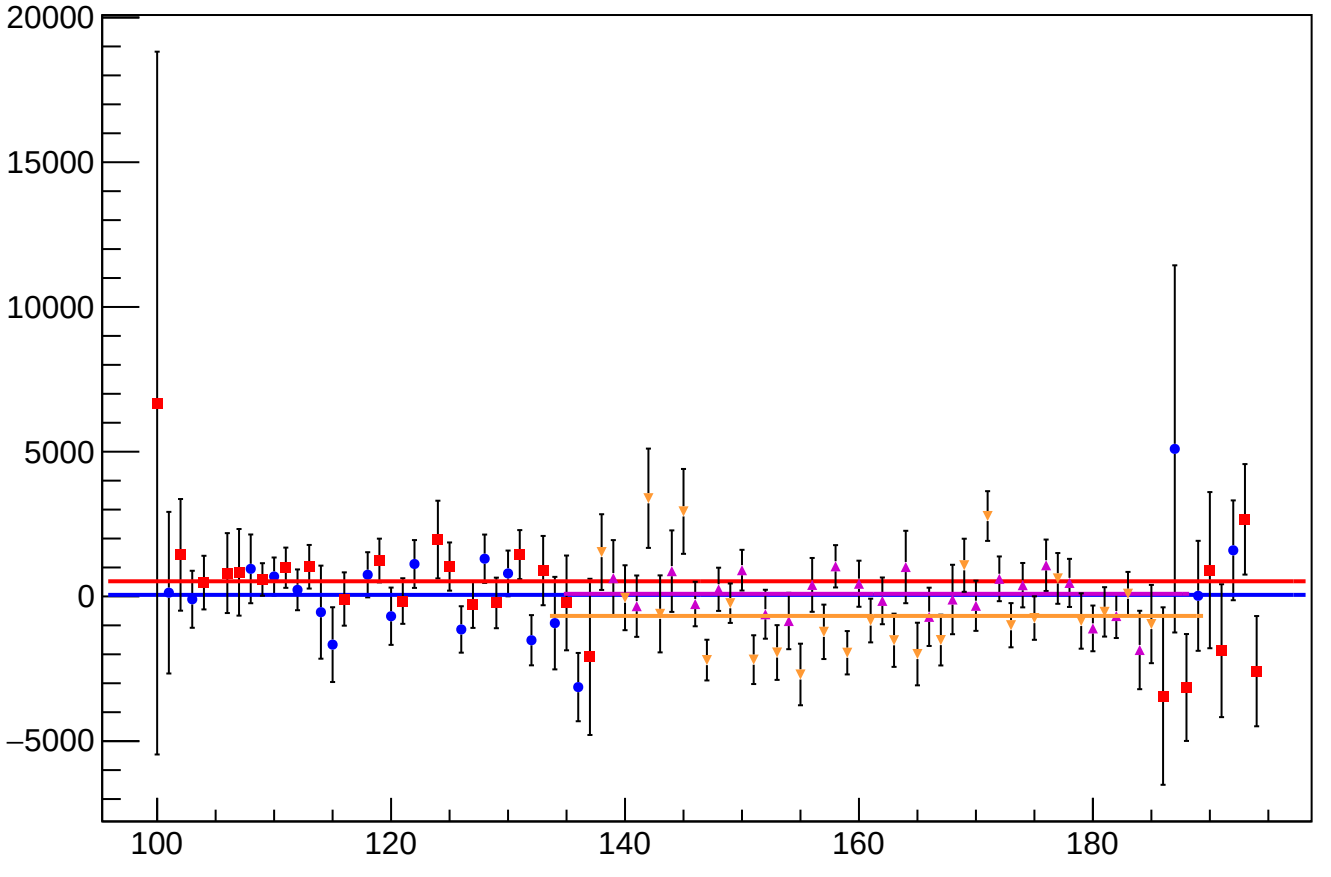
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2800.431+/-0.452 χ^2/NDF: 1225211.3/43

In: 2757.003+/-0.376 χ^2/NDF:755219.1/41

Out: 2760.595+/-0.356 χ^2/NDF:488213.4/49

All: 2758.896+/-0.259 χ^2/NDF: 1243480.6/91



Right In: 53.496+/-229.513 χ^2/NDF: 24.2/18

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 523.112+/-209.749 χ^2/NDF: 20.0/24

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

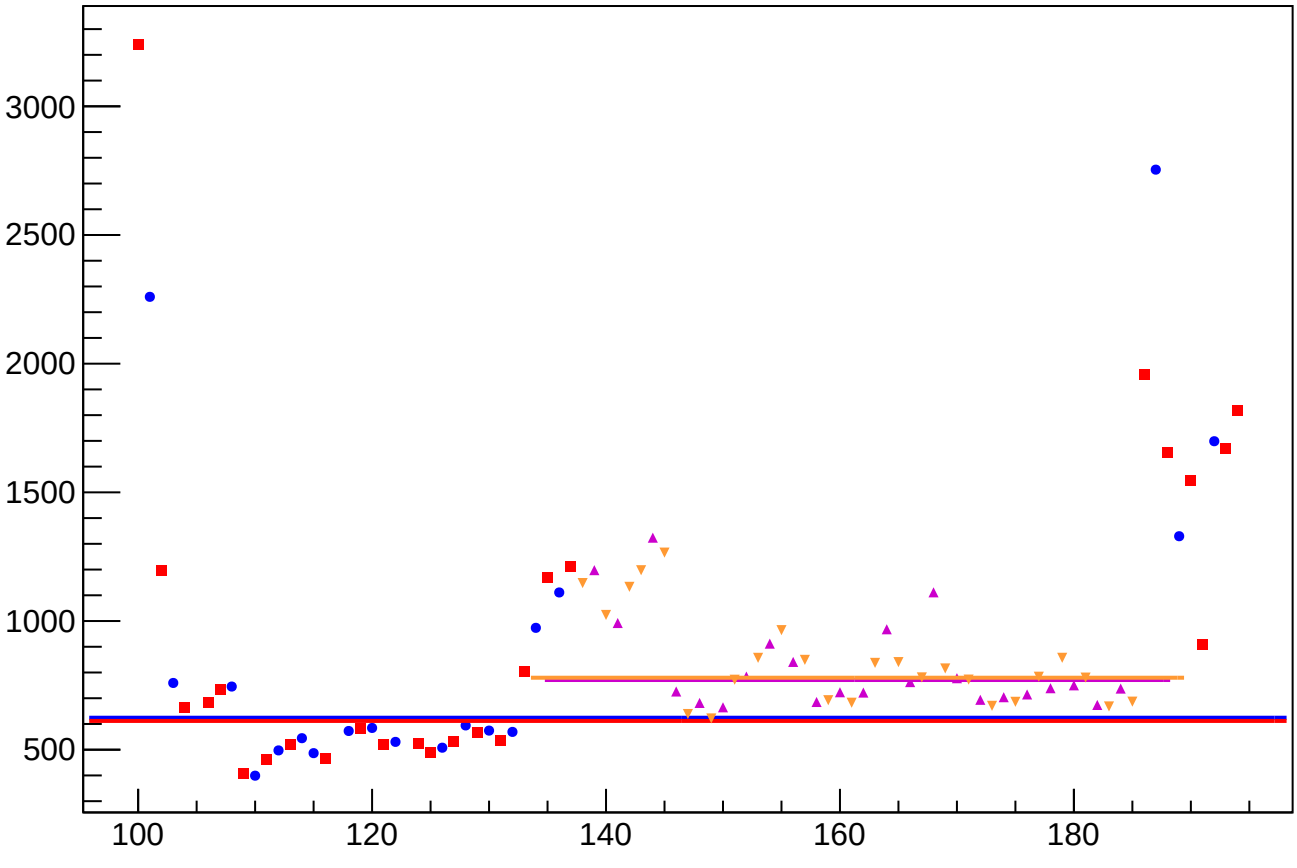
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 309.391+/-154.832 χ^2/NDF: 46.5/43

In: 75.548+/-143.319 χ^2/NDF:39.0/41

Out: -162.077+/-137.132 χ^2/NDF:97.0/49

All: -48.504+/-99.082 χ^2/NDF: 137.4/91



Right In: 624.270+/-0.162 χ^2/NDF: 2884615.2/18

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 611.792+/-0.148 χ^2/NDF: 3960804.2/24

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

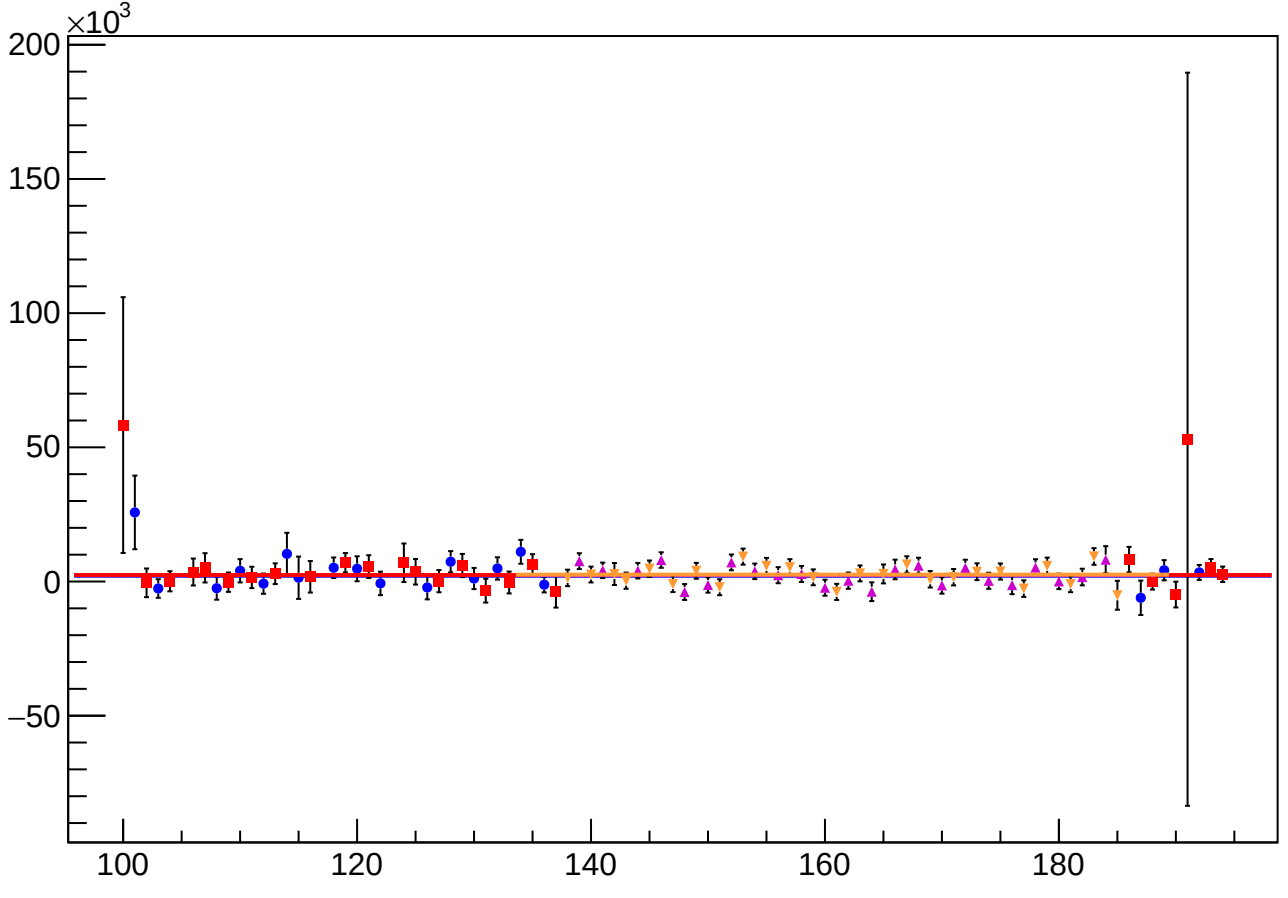
Right: 617.471+/-0.109 χ^2/NDF: 6848640.7/43

In: 713.662+/-0.101 χ^2/NDF:4458225.9/41

Out: 707.936+/-0.097 χ^2/NDF:5938511.8/49

All: 710.673+/-0.070 χ^2/NDF: 10398404.2/91

eigen_cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2164.587+/-955.399 χ^2/NDF: 19.9/18

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2408.128+/-859.041 χ^2/NDF: 16.2/24

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

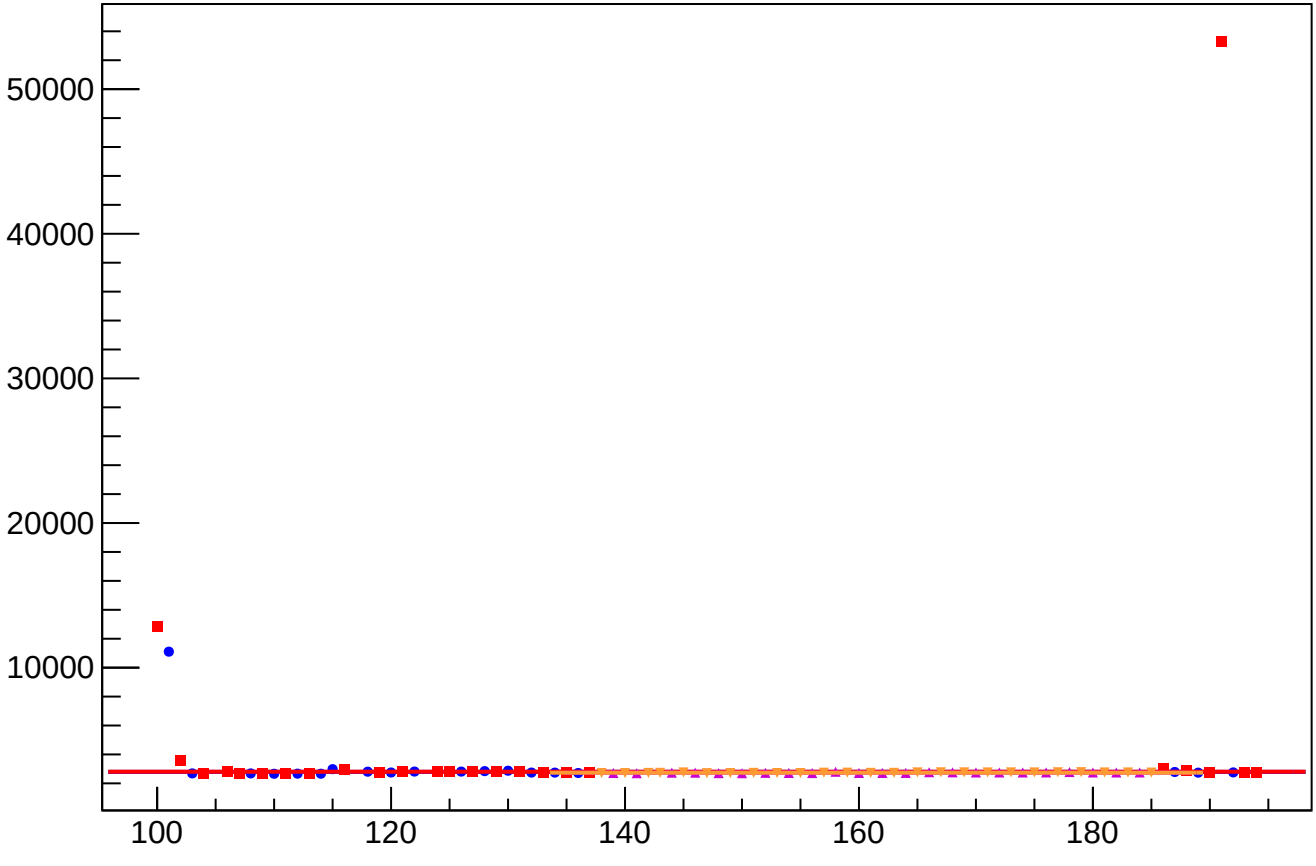
Right: 2299.255+/-638.792 χ^2/NDF: 36.2/43

In: 2332.967+/-531.566 χ^2/NDF:51.3/41

Out: 2505.675+/-503.711 χ^2/NDF:47.8/49

All: 2423.965+/-365.628 χ^2/NDF: 99.2/91

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2795.233+/-0.676 χ^2/NDF: 747219.2/18

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2804.634+/-0.607 χ^2/NDF: 477885.1/24

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

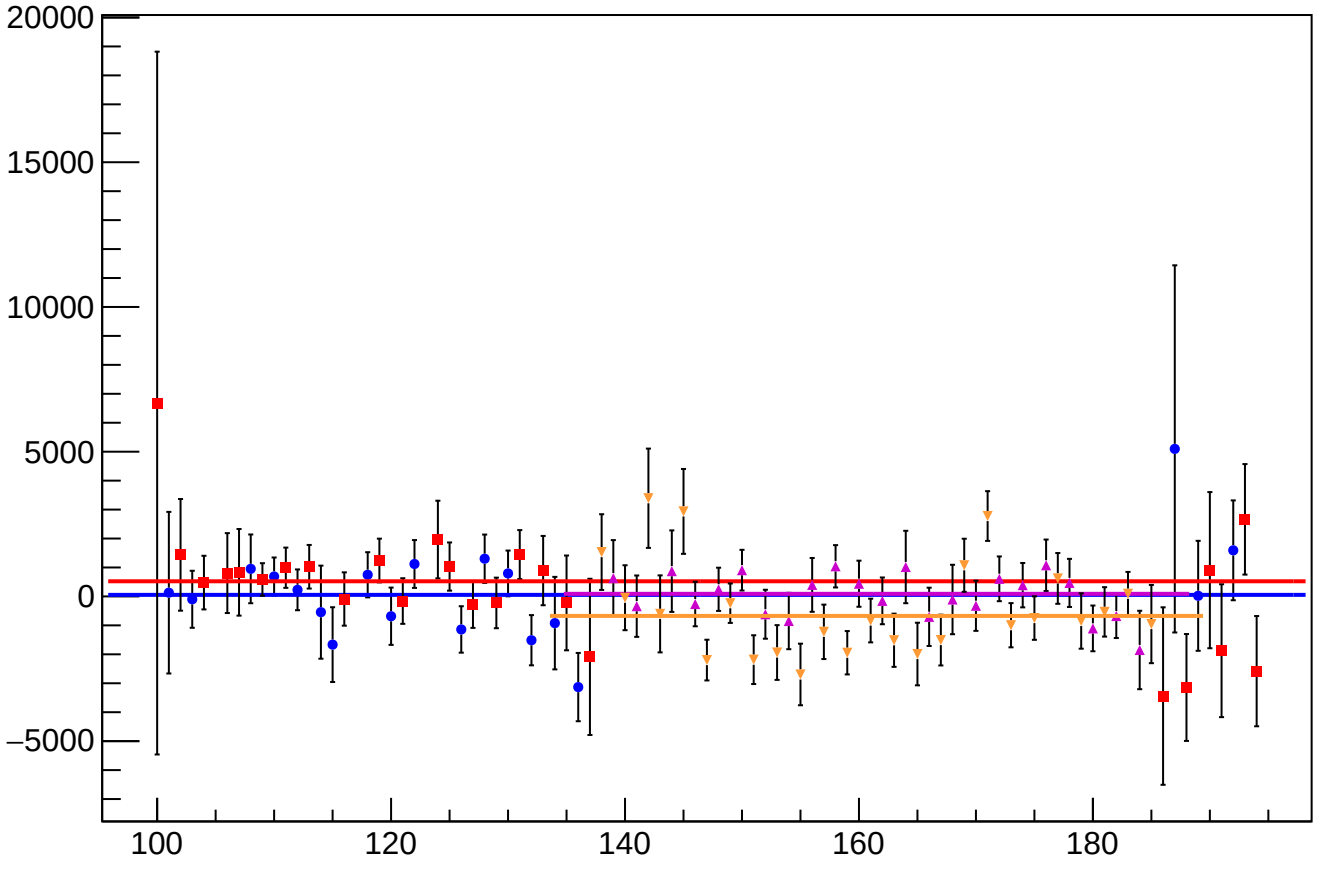
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2800.431+/-0.452 χ^2/NDF: 1225211.3/43

In: 2757.003+/-0.376 χ^2/NDF:755219.1/41

Out: 2760.595+/-0.356 χ^2/NDF:488213.4/49

All: 2758.896+/-0.259 χ^2/NDF: 1243480.6/91



Right In: 53.496+/-229.513 χ^2/NDF: 24.2/18

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 523.112+/-209.749 χ^2/NDF: 20.0/24

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

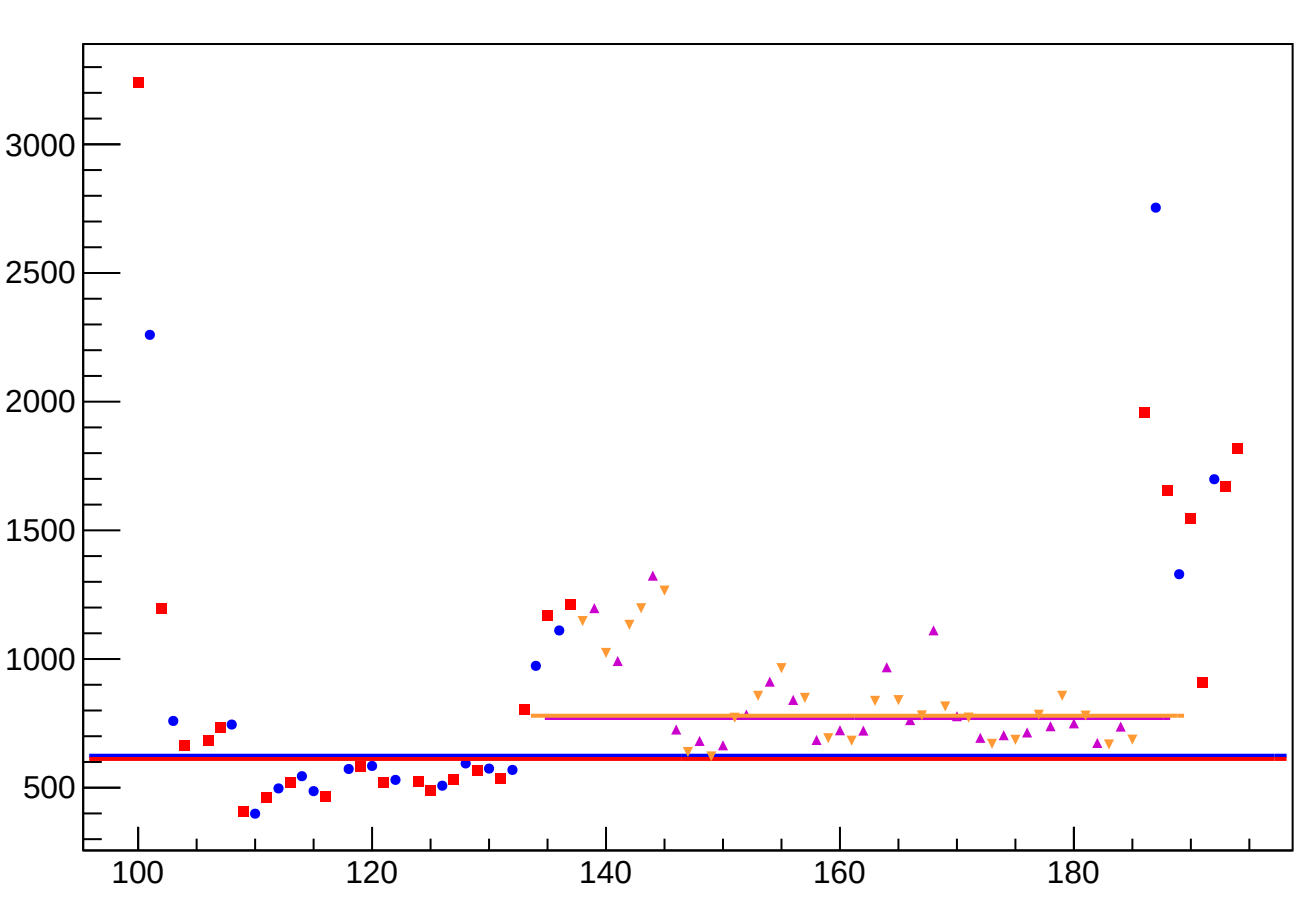
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 309.391+/-154.832 χ^2/NDF: 46.5/43

In: 75.548+/-143.319 χ^2/NDF:39.0/41

Out: -162.077+/-137.132 χ^2/NDF:97.0/49

All: -48.504+/-99.082 χ^2/NDF: 137.4/91



Right In: 624.270+/-0.162 χ^2/NDF: 2884615.2/18

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 611.792+/-0.148 χ^2/NDF: 3960804.2/24

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

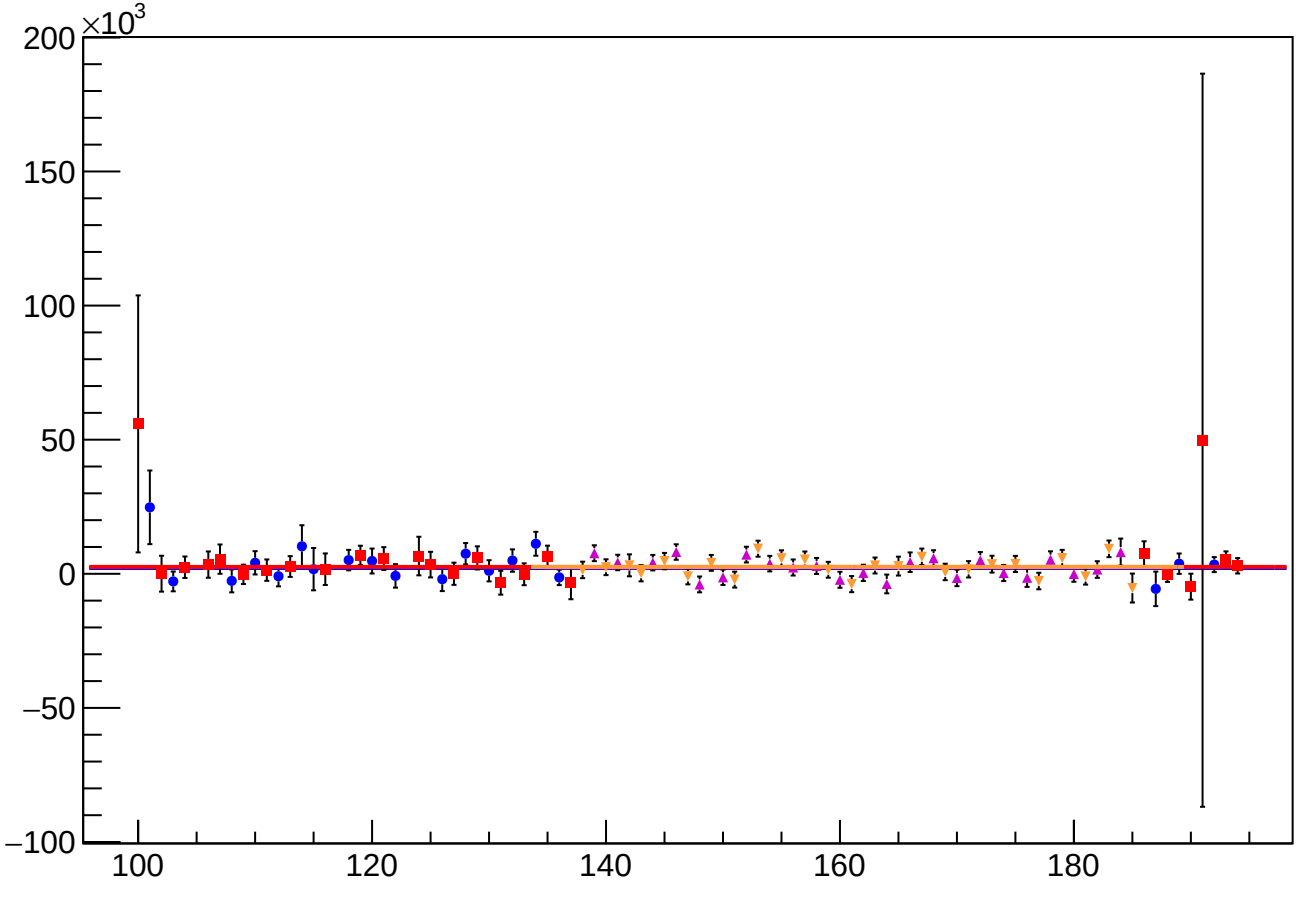
Right: 617.471+/-0.109 χ^2/NDF: 6848640.7/43

In: 713.662+/-0.101 χ^2/NDF:4458225.9/41

Out: 707.936+/-0.097 χ^2/NDF:5938511.8/49

All: 710.673+/-0.070 χ^2/NDF: 10398404.2/91

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2169.750+/-961.191 χ^2/NDF: 19.7/18

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: 2570.566+/-866.532 χ^2/NDF: 15.0/24

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

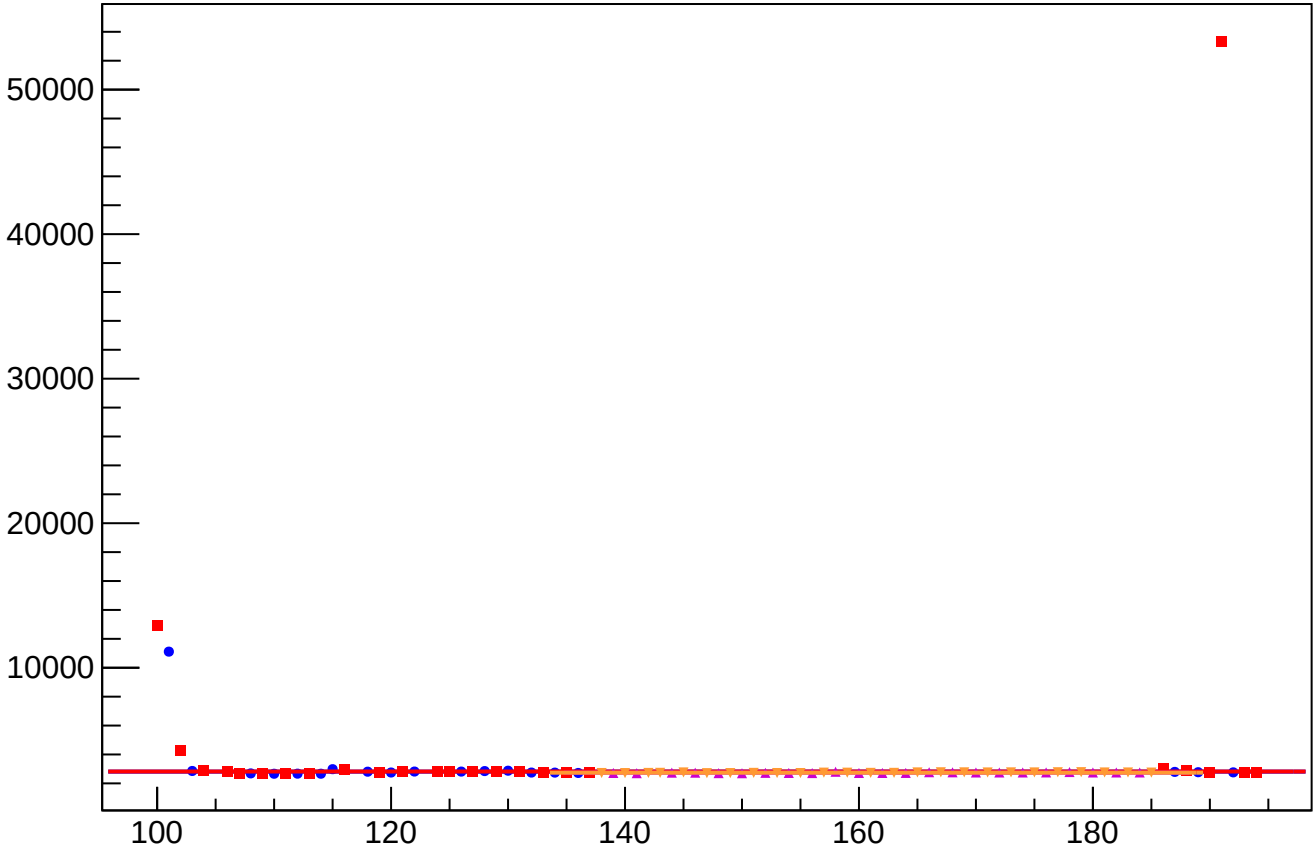
Right: 2390.861+/-643.602 χ^2/NDF: 34.8/43

In: 2334.013+/-532.764 χ^2/NDF:51.6/41

Out: 2553.726+/-505.427 χ^2/NDF:46.9/49

All: 2449.651+/-366.674 χ^2/NDF: 98.5/91

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2812.322+/-0.680 χ^2/NDF: 745009.2/18

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2820.493+/-0.613 χ^2/NDF: 531239.0/24

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

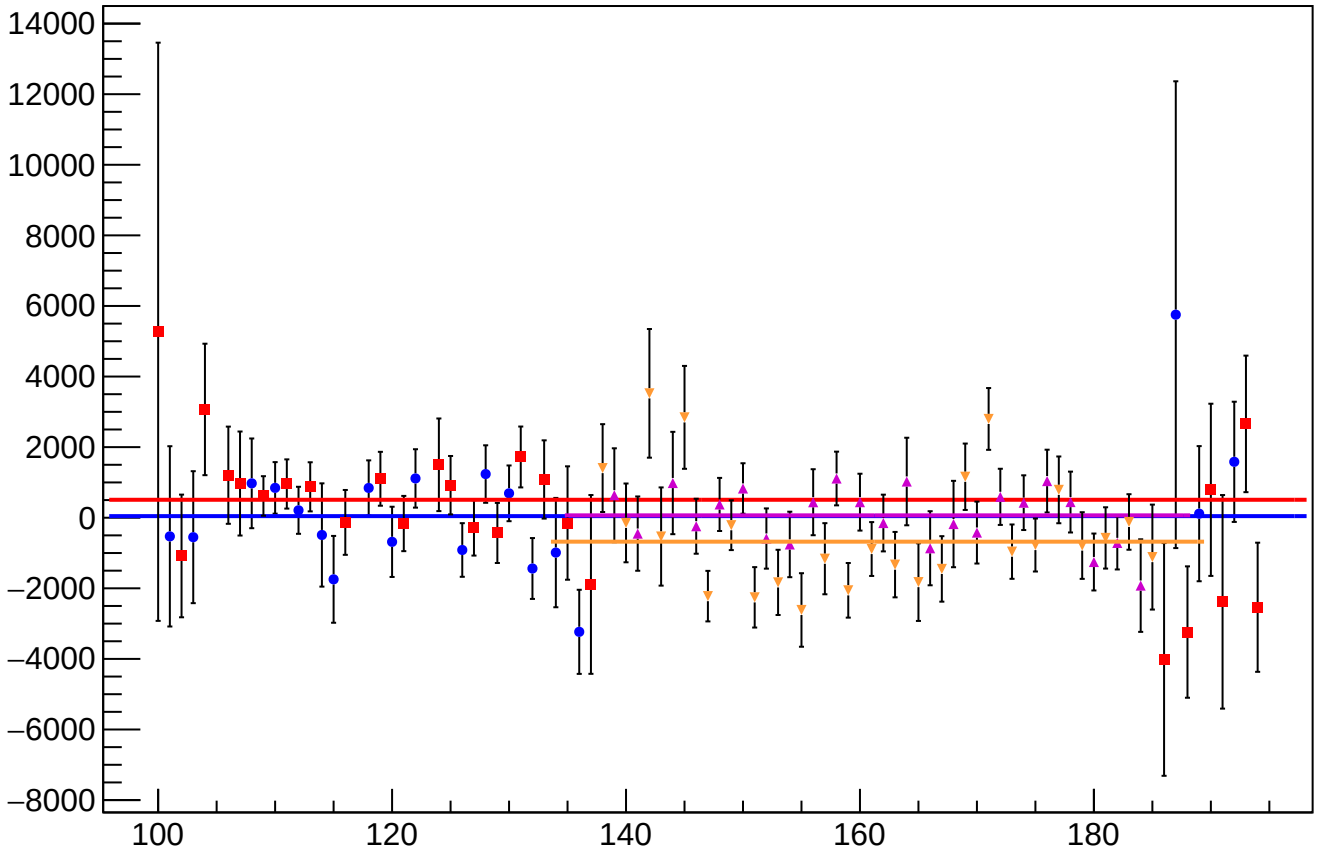
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2816.830+/-0.455 χ^2/NDF: 1276327.9/43

In: 2763.182+/-0.377 χ^2/NDF:755924.2/41

Out: 2766.925+/-0.357 χ^2/NDF:545145.5/49

All: 2765.152+/-0.259 χ^2/NDF: 1301121.6/91



Right In: 45.383+/-233.280 χ^2/NDF: 24.4/18

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: 508.601+/-211.090 χ^2/NDF: 23.2/24

Left In: 67.156+/-185.436 χ^2/NDF:15.8/22

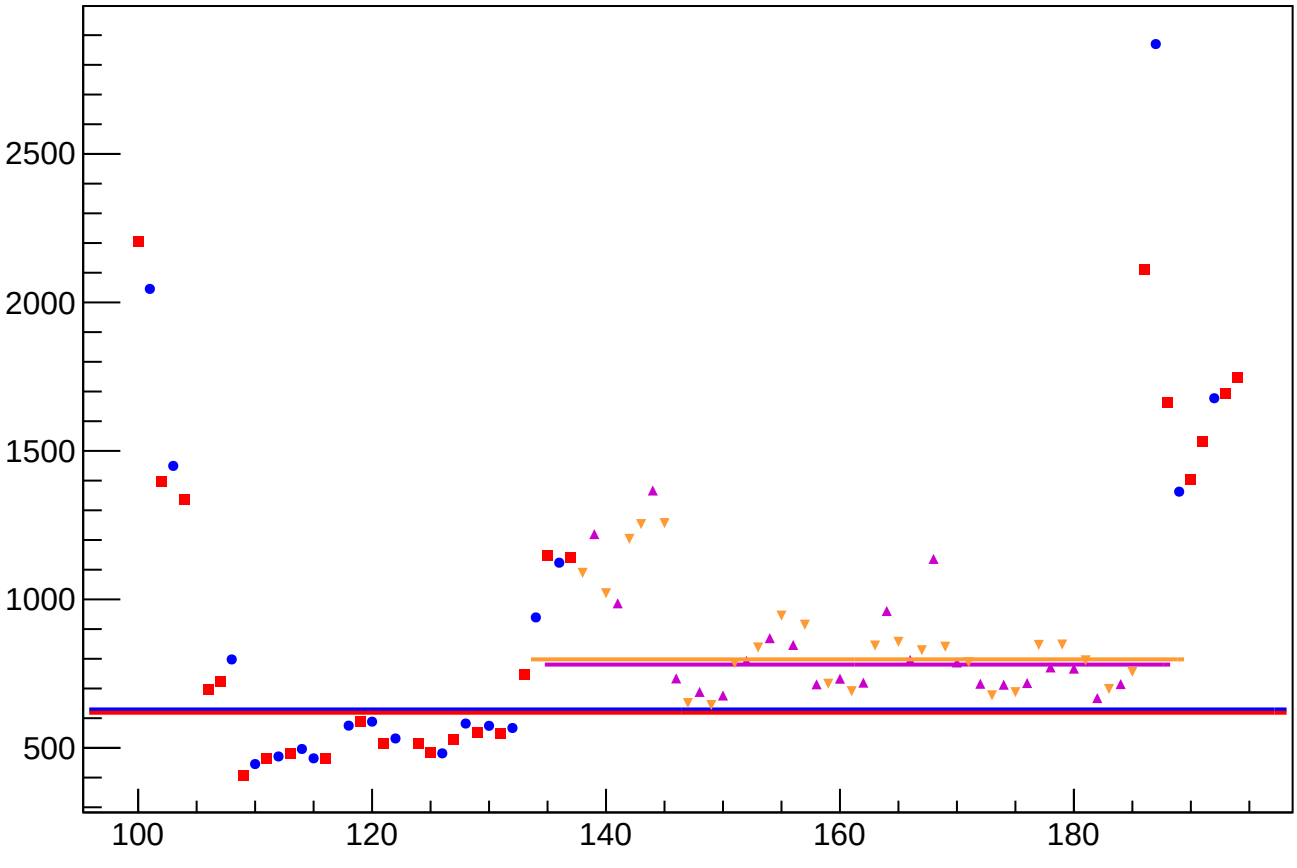
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 300.065+/-156.522 χ^2/NDF: 49.8/43

In: 58.725+/-145.161 χ^2/NDF:40.2/41

Out: -162.637+/-139.132 χ^2/NDF:97.3/49

All: -56.648+/-100.445 χ^2/NDF: 138.8/91



Right In: 629.403+/-0.165 χ^2/NDF: 3175448.8/18

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 618.406+/-0.149 χ^2/NDF: 4594745.5/24

Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

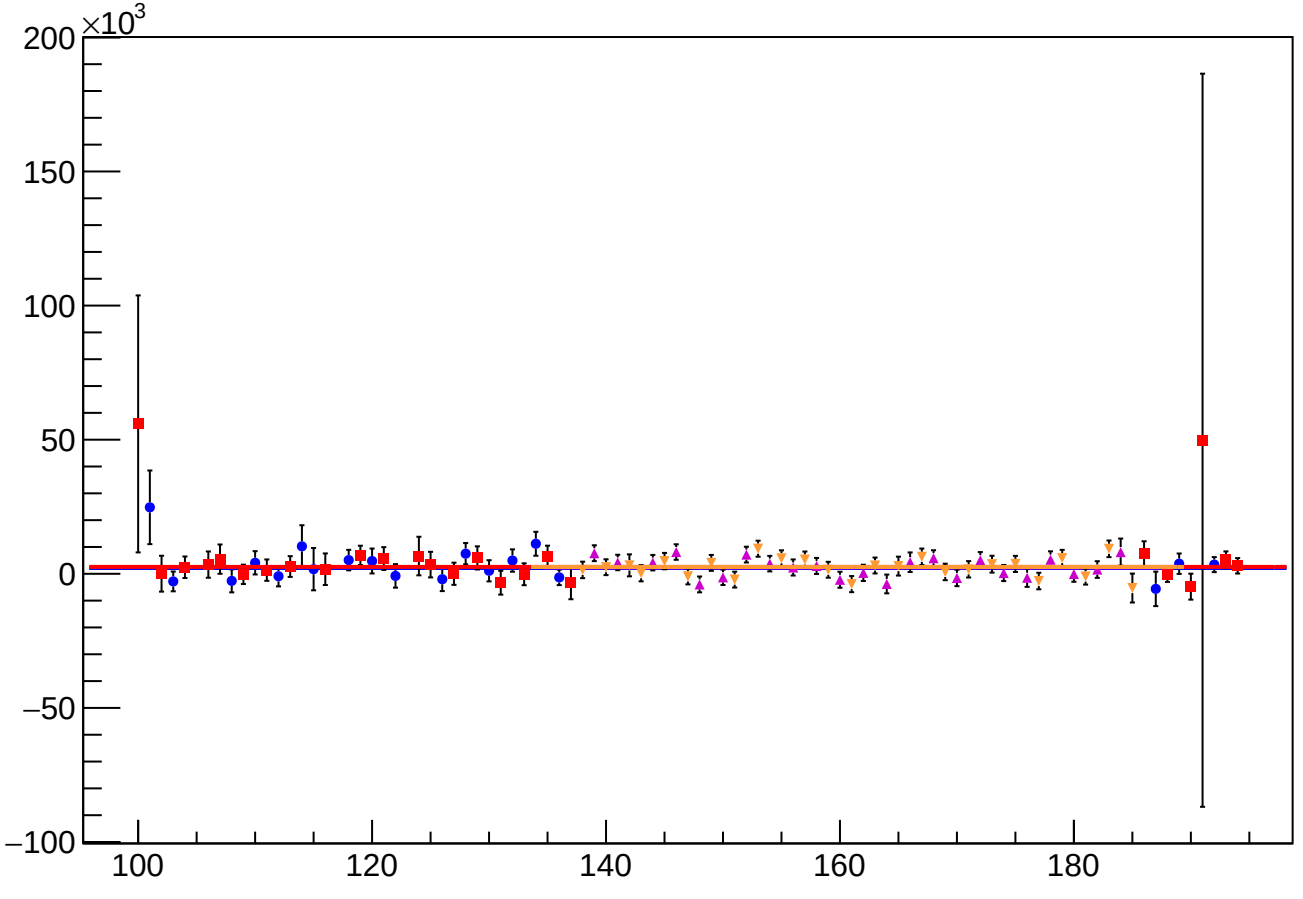
Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

Right: 623.357+/-0.111 χ^2/NDF: 7772637.8/43

In: 722.010+/-0.103 χ^2/NDF:4754610.1/41

Out: 720.031+/-0.098 χ^2/NDF:6582706.6/49

All: 720.979+/-0.071 χ^2/NDF: 11337510.3/91



Right In: 2169.750+/-961.191 χ^2/NDF: 19.7/18

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: 2570.562+/-866.532 χ^2/NDF: 15.0/24

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

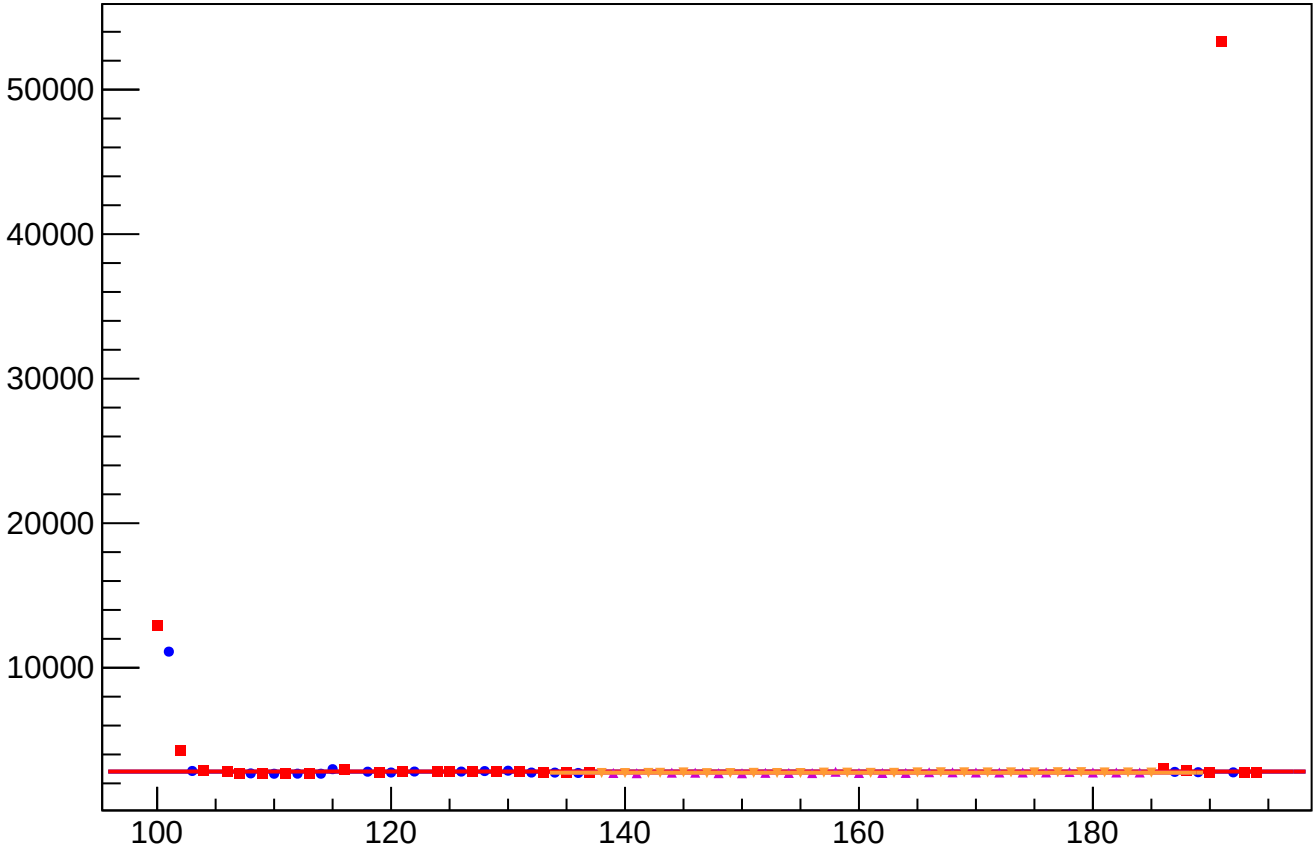
Right: 2390.859+/-643.602 χ^2/NDF: 34.8/43

In: 2334.013+/-532.764 χ^2/NDF:51.6/41

Out: 2553.725+/-505.426 χ^2/NDF:46.9/49

All: 2449.651+/-366.674 χ^2/NDF: 98.5/91

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2812.322+/-0.680 χ^2/NDF: 745009.2/18

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2820.493+/-0.613 χ^2/NDF: 531238.8/24

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

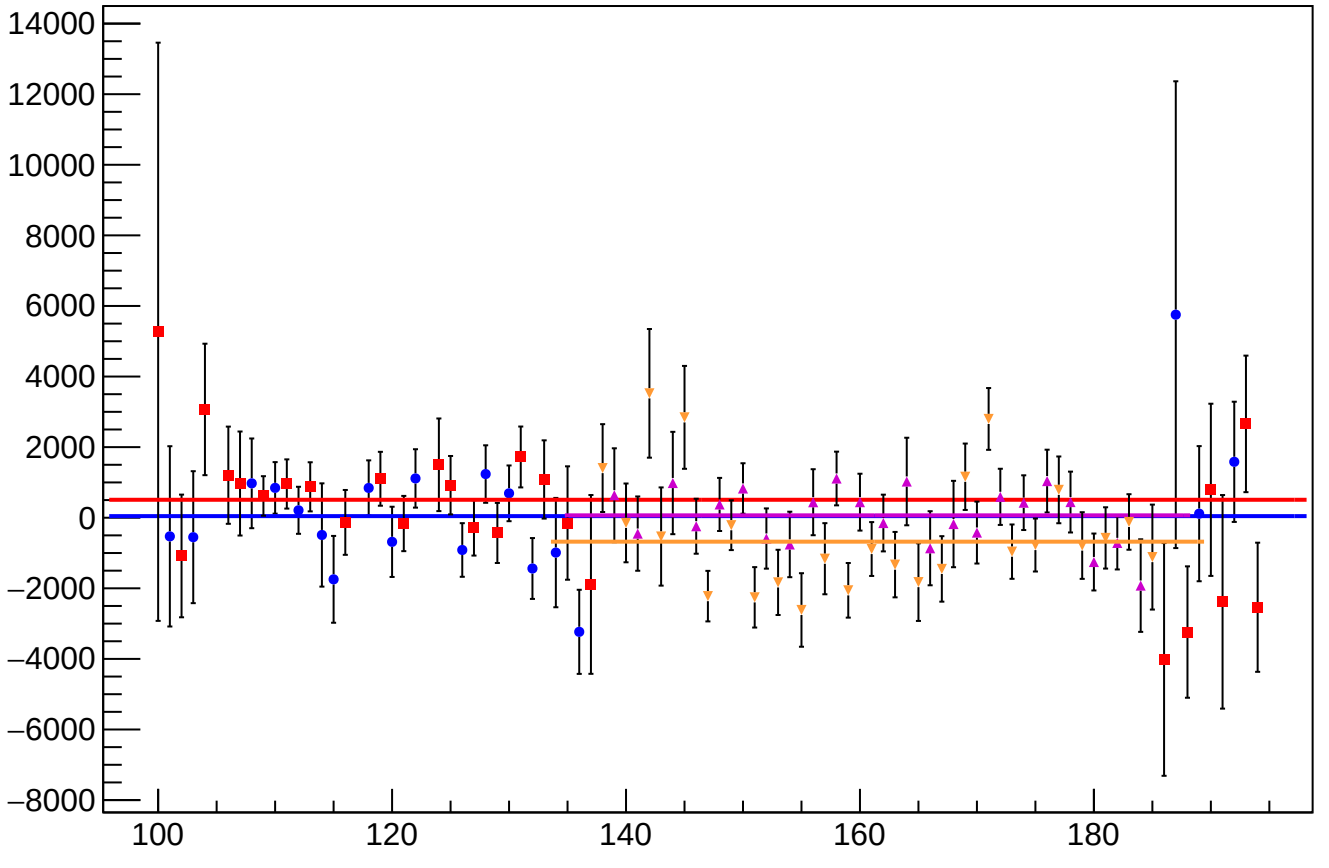
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2816.830+/-0.455 χ^2/NDF: 1276327.7/43

In: 2763.182+/-0.377 χ^2/NDF:755924.1/41

Out: 2766.925+/-0.357 χ^2/NDF:545145.3/49

All: 2765.152+/-0.259 χ^2/NDF: 1301121.4/91



Right In: 45.383+/-233.280 χ^2/NDF: 24.4/18

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: 508.601+/-211.090 χ^2/NDF: 23.2/24

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

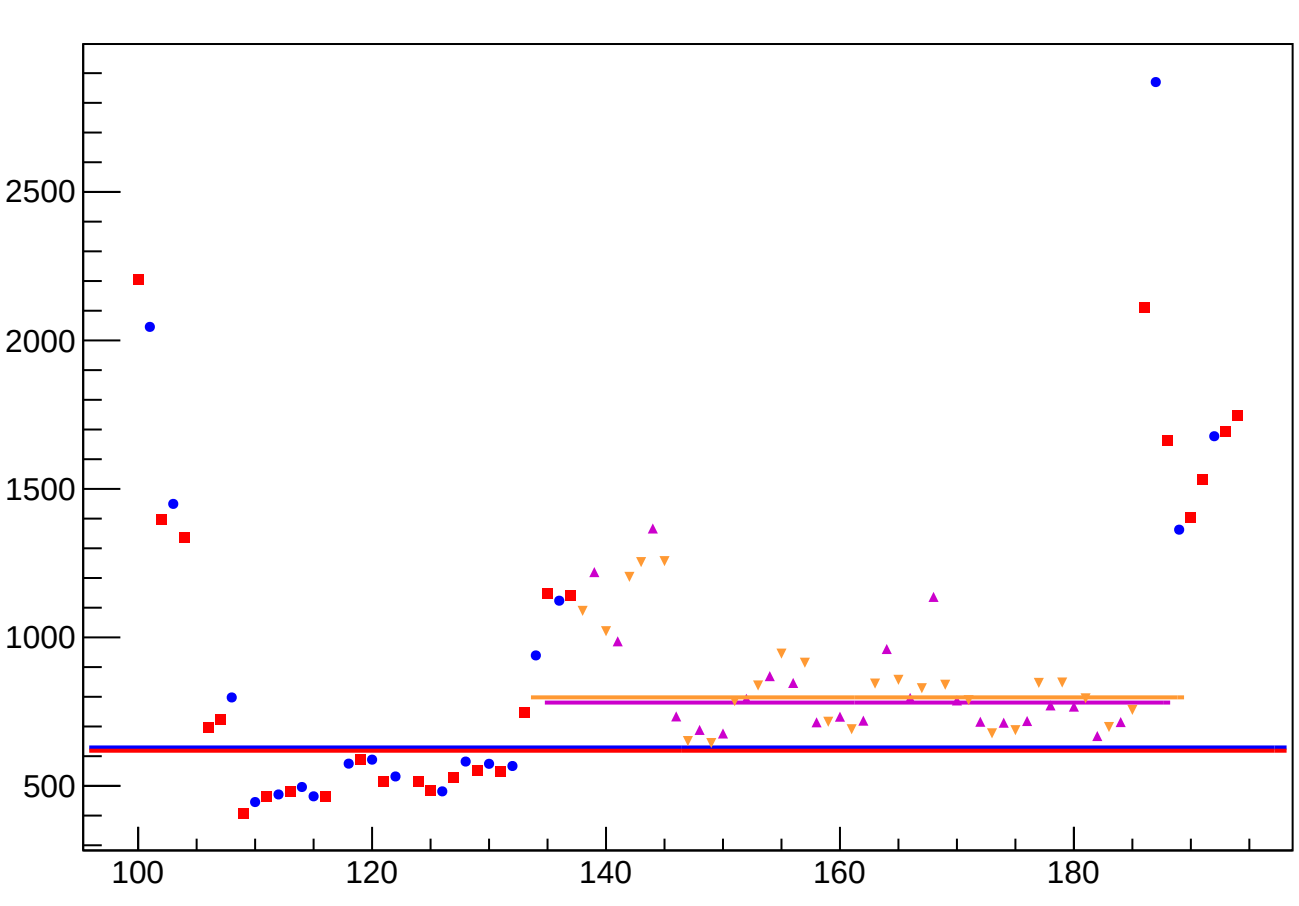
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 300.065+/-156.522 χ^2/NDF: 49.8/43

In: 58.726+/-145.161 χ^2/NDF:40.2/41

Out: -162.638+/-139.132 χ^2/NDF:97.3/49

All: -56.648+/-100.445 χ^2/NDF: 138.8/91



Right In: 629.403+/-0.165 χ^2/NDF: 3175443.6/18

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 618.406+/-0.149 χ^2/NDF: 4594745.0/24

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

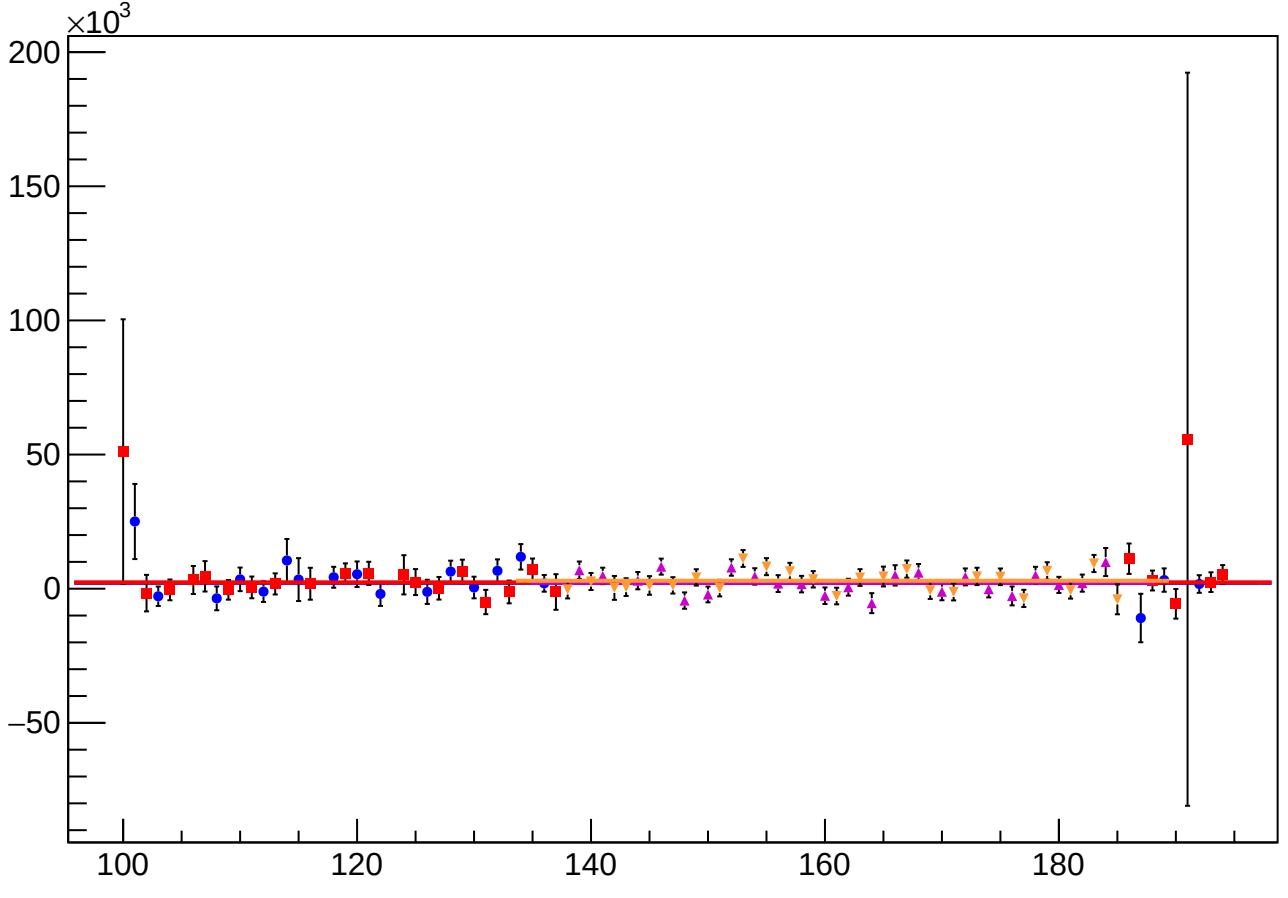
Right: 623.357+/-0.111 χ^2/NDF: 7772632.3/43

In: 722.010+/-0.103 χ^2/NDF:4754603.8/41

Out: 720.032+/-0.098 χ^2/NDF:6582707.2/49

All: 720.979+/-0.071 χ^2/NDF: 11337504.6/91

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2188.474+/-1012.914 χ^2/NDF: 19.1/18

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: 2359.722+/-928.744 χ^2/NDF: 15.9/24

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

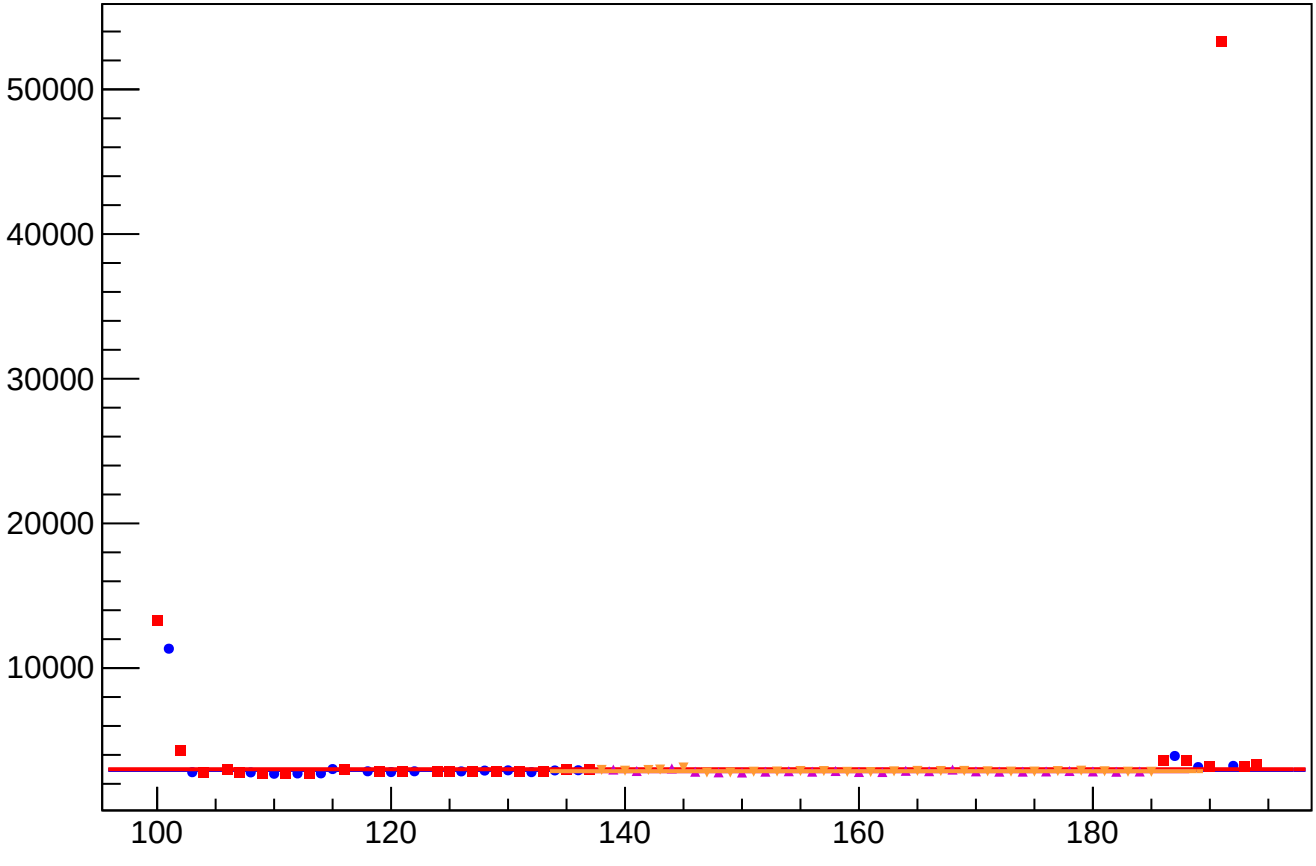
Right: 2281.508+/-684.547 χ^2/NDF: 34.9/43

In: 2222.565+/-559.003 χ^2/NDF:52.9/41

Out: 2767.550+/-534.336 χ^2/NDF:51.9/49

All: 2507.347+/-386.259 χ^2/NDF: 105.2/91

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2959.024+/-0.716 χ^2/NDF: 789296.1/18

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 3009.141+/-0.657 χ^2/NDF: 641737.5/24

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

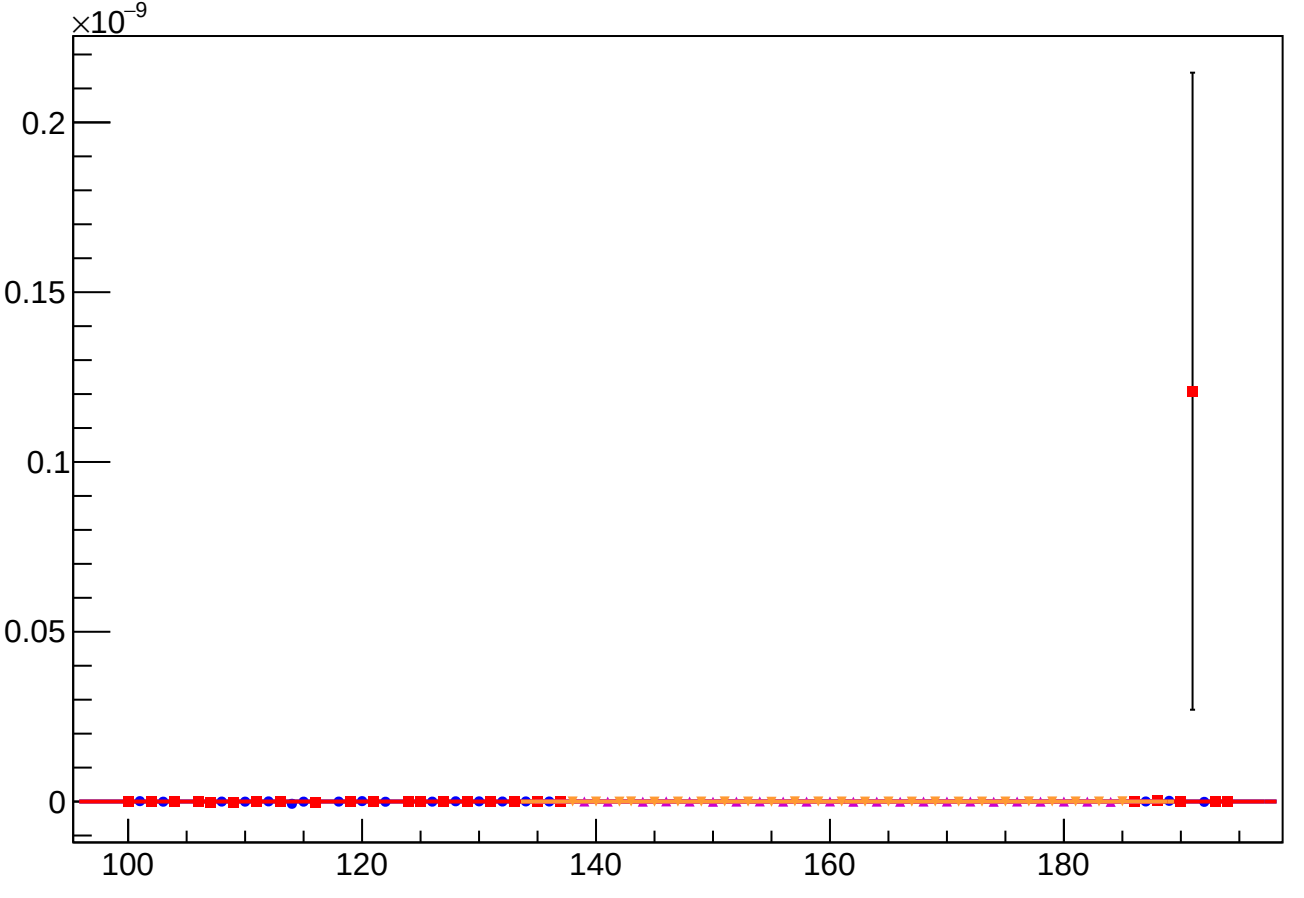
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 2986.251+/-0.484 χ^2/NDF: 1433693.5/43

In: 2897.220+/-0.395 χ^2/NDF:817690.6/41

Out: 2919.357+/-0.378 χ^2/NDF:691465.9/49

All: 2908.788+/-0.273 χ^2/NDF: 1510795.4/91



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/24

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

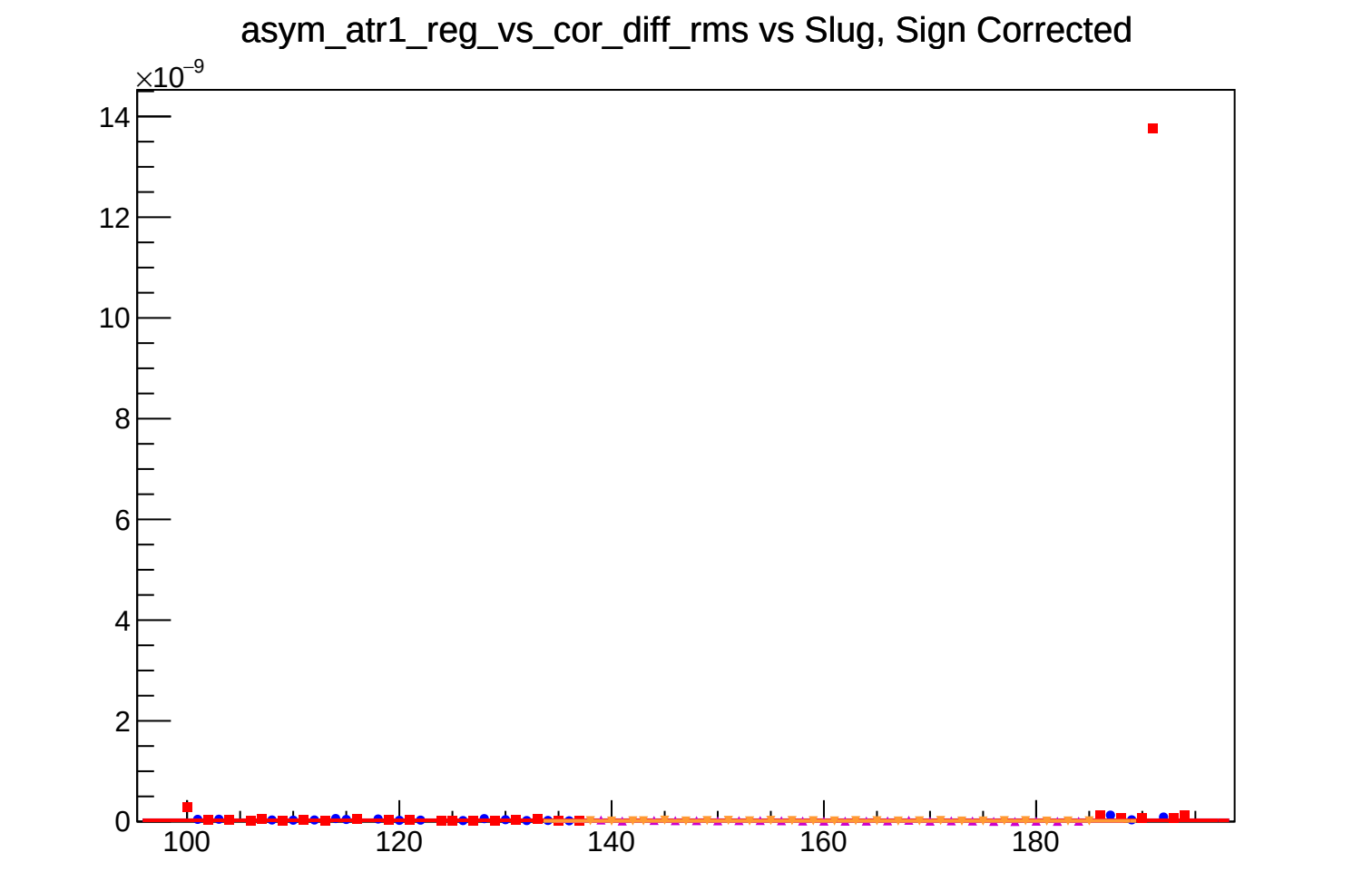
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

Right: 0.000+/-0.000 χ^2/NDF: 45.0/43

In: -0.000+/-0.000 χ^2/NDF:45.0/41

Out: 0.000+/-0.000 χ^2/NDF:44.8/49

All: -0.000+/-0.000 χ^2/NDF: 90.3/91



Right In: 0.000+/-0.000 χ^2/NDF: 1402622.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2023512.5/24

Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

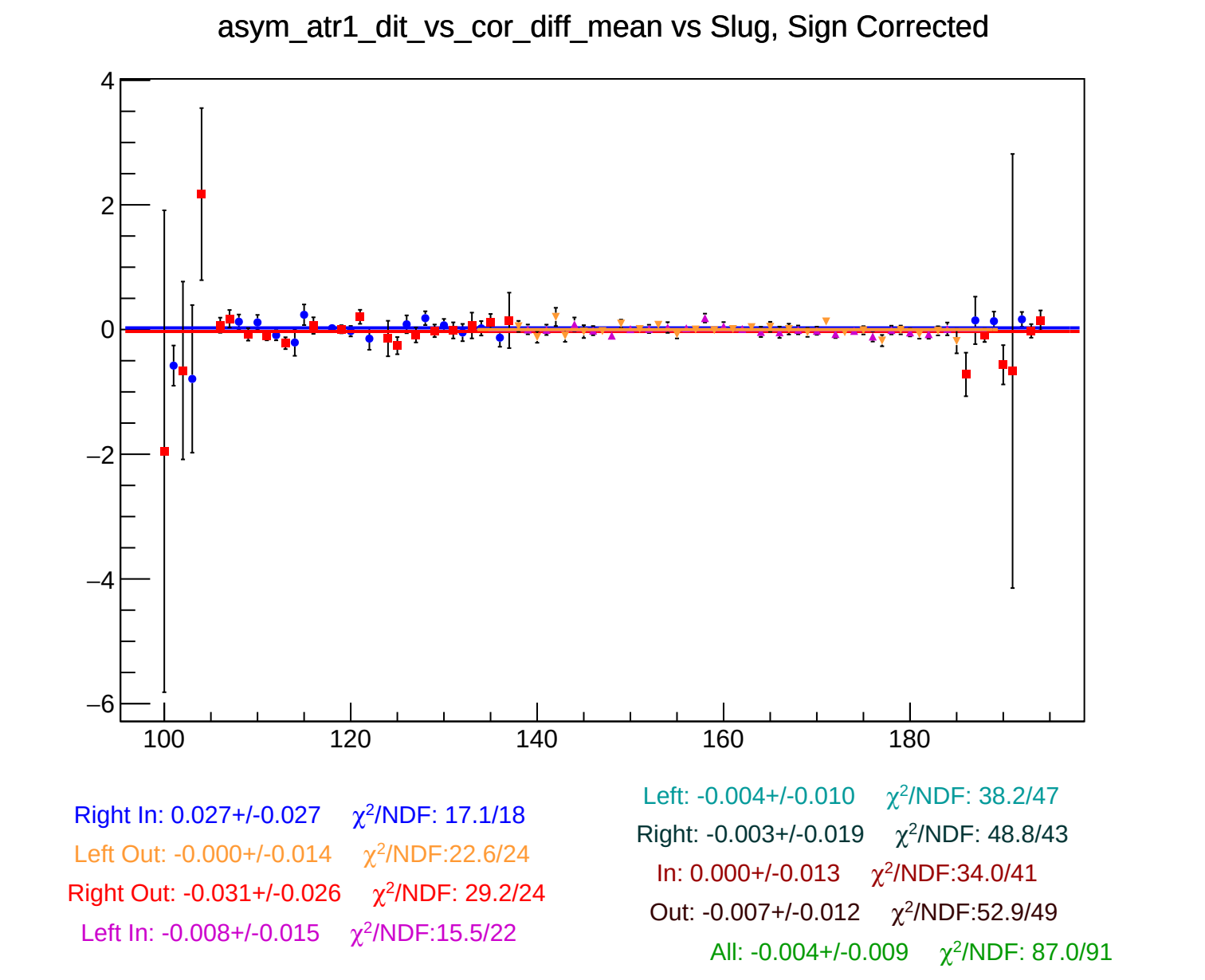
Left: 0.000+/-0.000 χ^2/NDF: 4622592.8/47

Right: 0.000+/-0.000 χ^2/NDF: 3435805.5/43

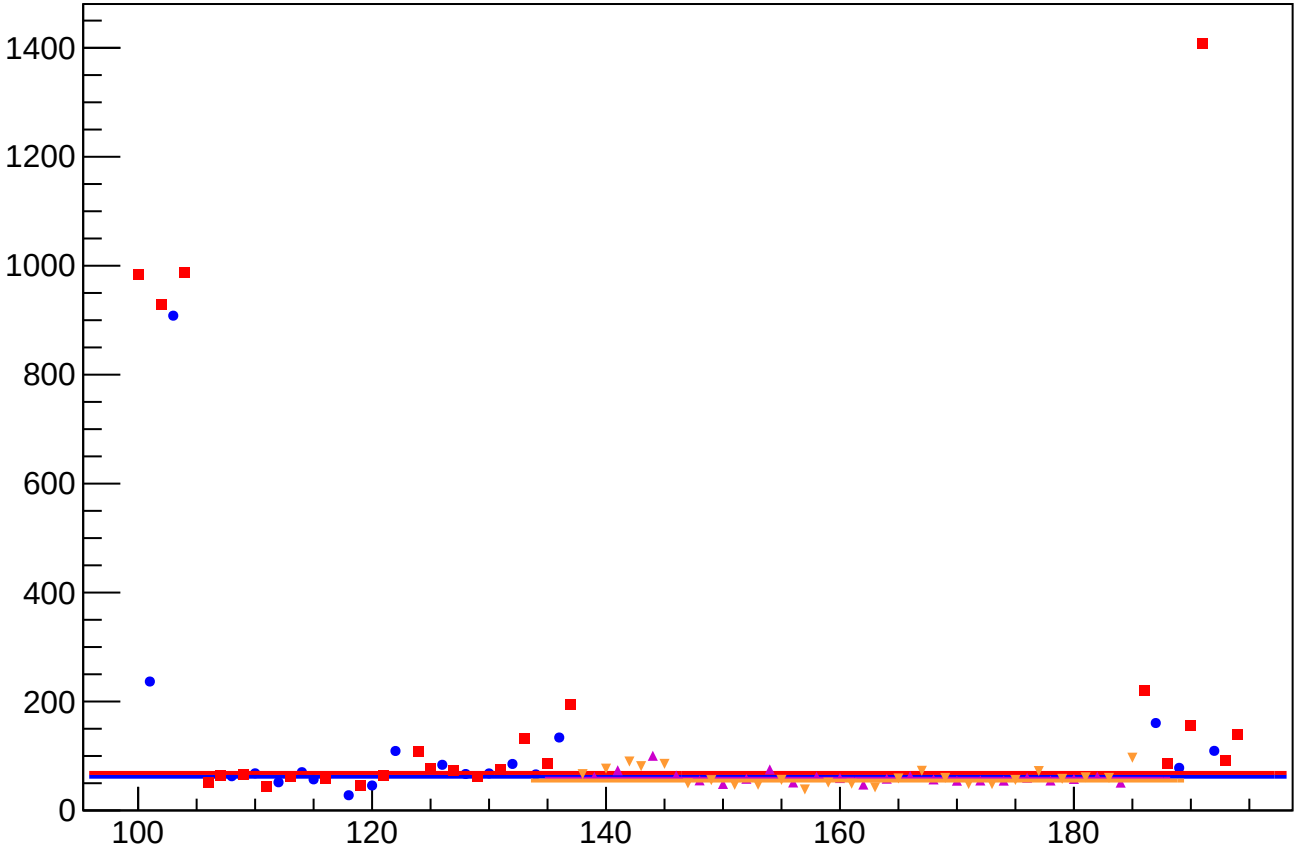
In: 0.000+/-0.000 χ^2/NDF:6323535.8/41

Out: 0.000+/-0.000 χ^2/NDF:4310036.8/49

All: 0.000+/-0.000 χ^2/NDF: 10898541.6/91


asym_atr1_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
120
140
160
180
Right In: 0.027+/-0.027 χ²/NDF: 17.1/18
Left Out: -0.000+/-0.014 χ²/NDF:22.6/24
Right Out: -0.031+/-0.026 χ²/NDF: 29.2/24
Left In: -0.008+/-0.015 χ²/NDF:15.5/22
Left: -0.004+/-0.010 χ²/NDF: 38.2/47
Right: -0.003+/-0.019 χ²/NDF: 48.8/43
In: 0.000+/-0.013 χ²/NDF:34.0/41
Out: -0.007+/-0.012 χ²/NDF:52.9/49
All: -0.004+/-0.009 χ²/NDF: 87.0/91

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.977+/-0.019 χ^2/NDF: 3770199.5/18

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 68.861+/-0.018 χ^2/NDF: 4099214.1/24

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

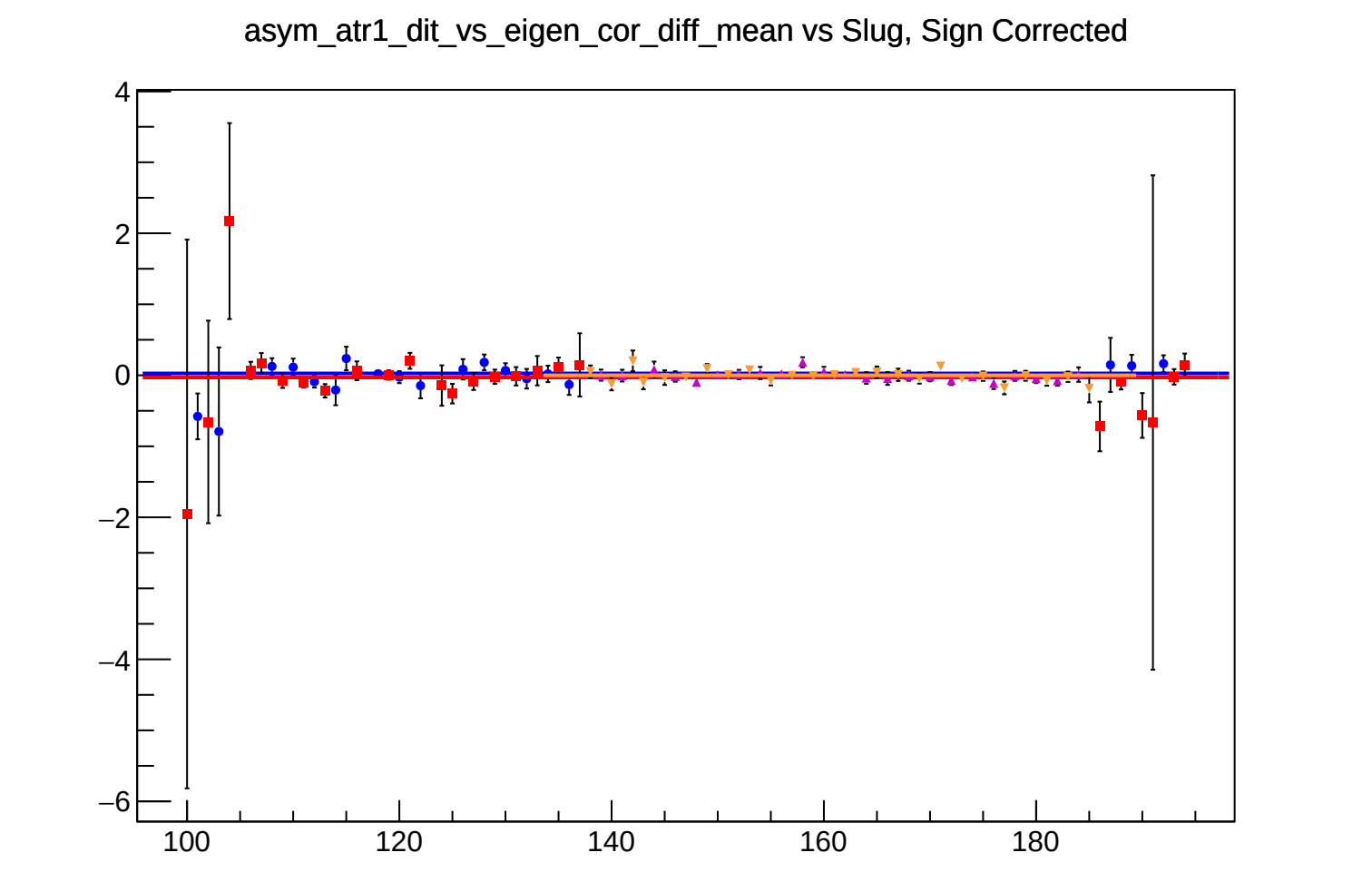
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 65.527+/-0.013 χ^2/NDF: 7938397.8/43

In: 59.048+/-0.009 χ^2/NDF:4459375.4/41

Out: 58.133+/-0.009 χ^2/NDF:5846027.1/49

All: 58.569+/-0.006 χ^2/NDF: 10310613.5/91



Right In: 0.027+/-0.027 χ^2/NDF: 17.1/18

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.031+/-0.026 χ^2/NDF: 29.2/24

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

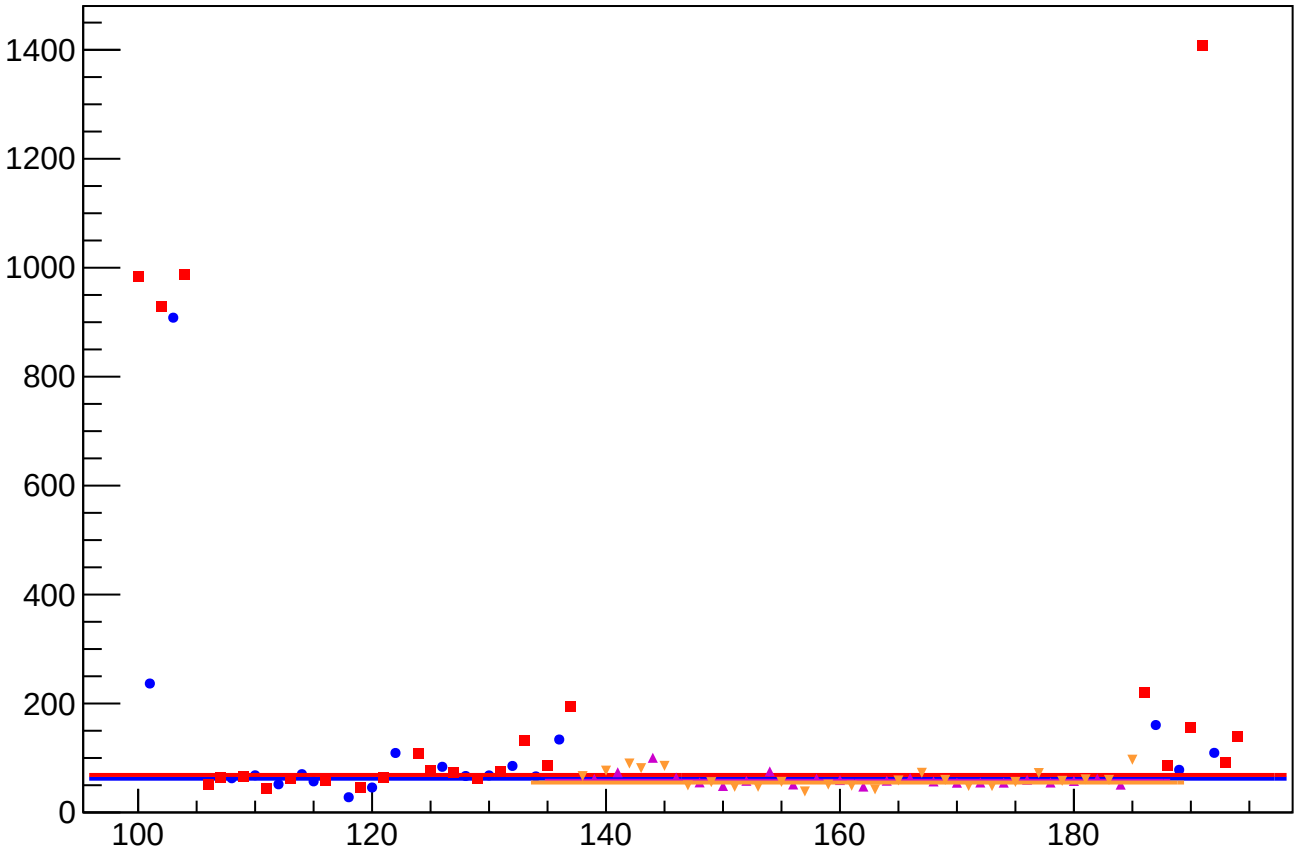
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: -0.003+/-0.019 χ^2/NDF: 48.8/43

In: 0.000+/-0.013 χ^2/NDF:34.0/41

Out: -0.007+/-0.012 χ^2/NDF:52.9/49

All: -0.004+/-0.009 χ^2/NDF: 87.0/91



Right In: 61.977+/-0.019 χ^2/NDF: 3770199.5/18

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 68.861+/-0.018 χ^2/NDF: 4099214.1/24

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

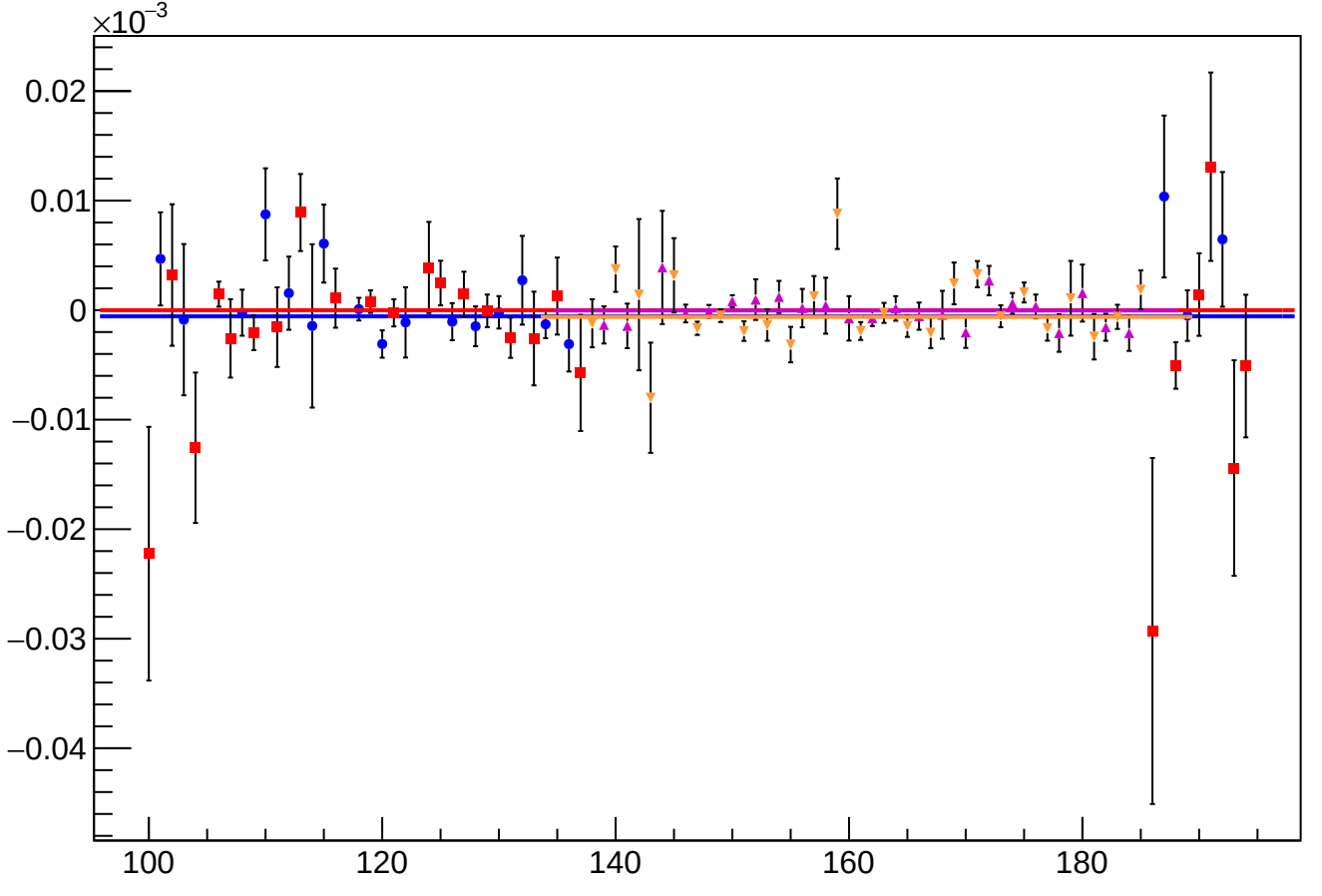
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 65.527+/-0.013 χ^2/NDF: 7938397.8/43

In: 59.048+/-0.009 χ^2/NDF:4459375.4/41

Out: 58.133+/-0.009 χ^2/NDF:5846027.1/49

All: 58.569+/-0.006 χ^2/NDF: 10310613.5/91



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.2/24

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

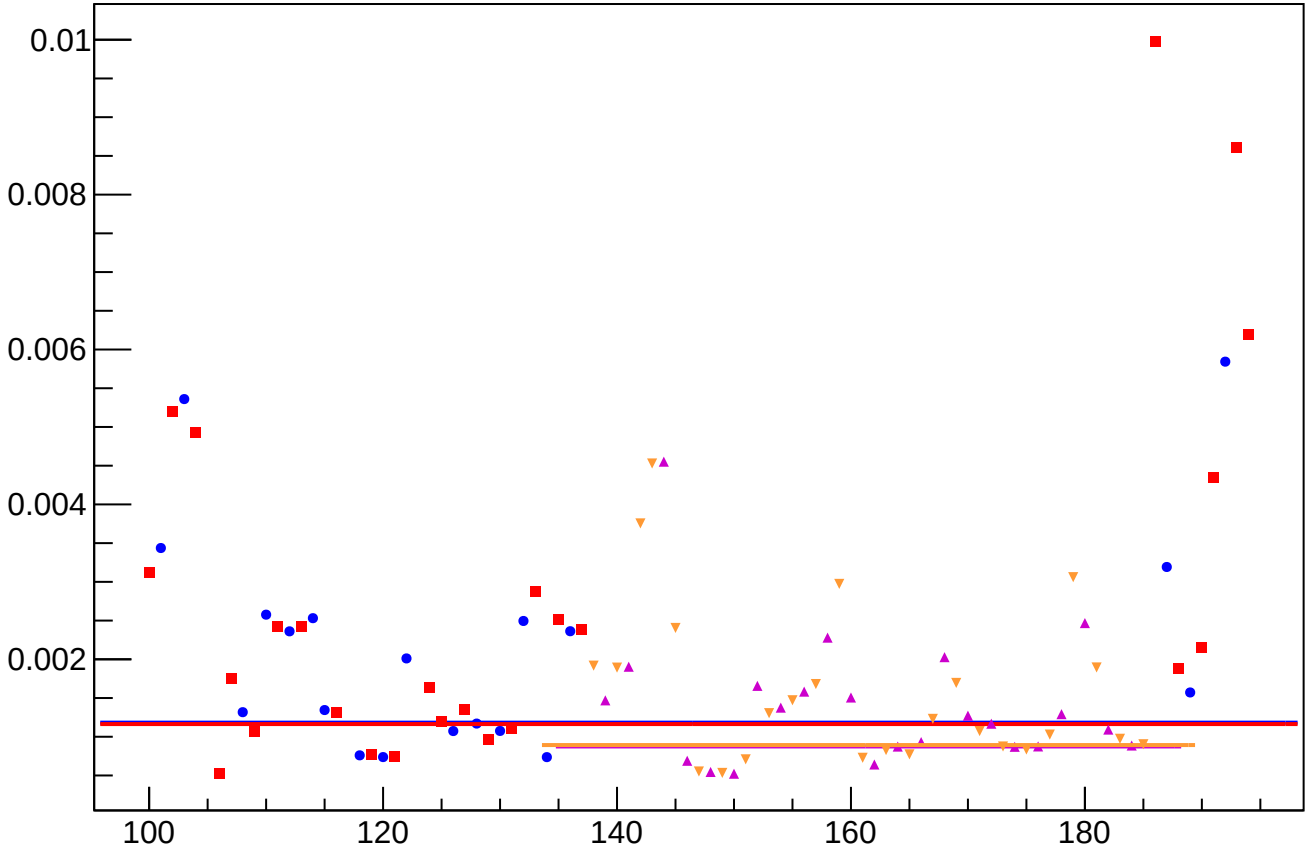
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

Right: -0.000+/-0.000 χ^2/NDF: 60.7/43

In: -0.000+/-0.000 χ^2/NDF:40.0/41

Out: -0.000+/-0.000 χ^2/NDF:93.5/49

All: -0.000+/-0.000 χ^2/NDF: 134.8/91



Right In: 0.001+/-0.000 χ^2/NDF: 4832932.7/18

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7561574.1/24

Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

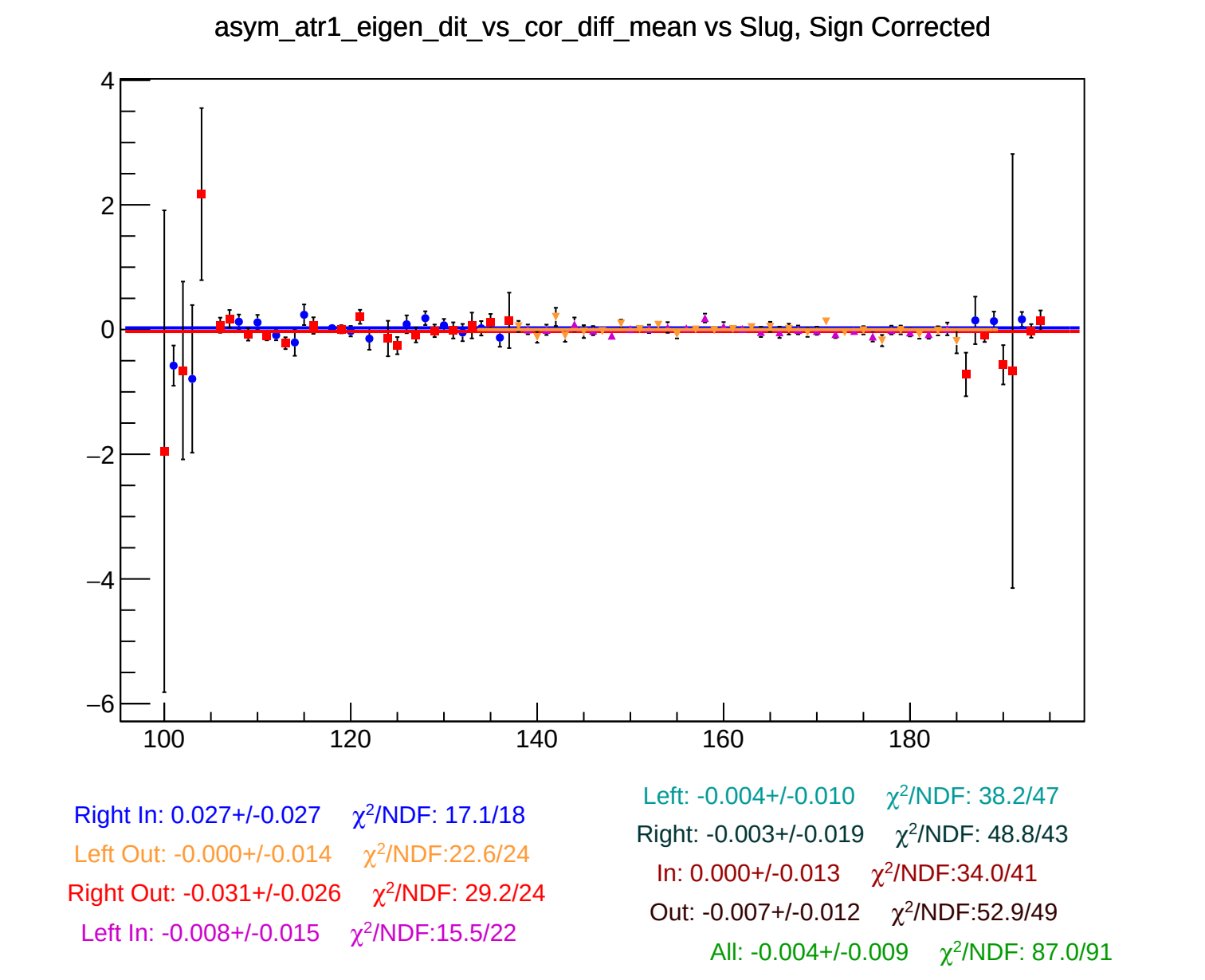
Left: 0.001+/-0.000 χ^2/NDF: 14708860.3/47

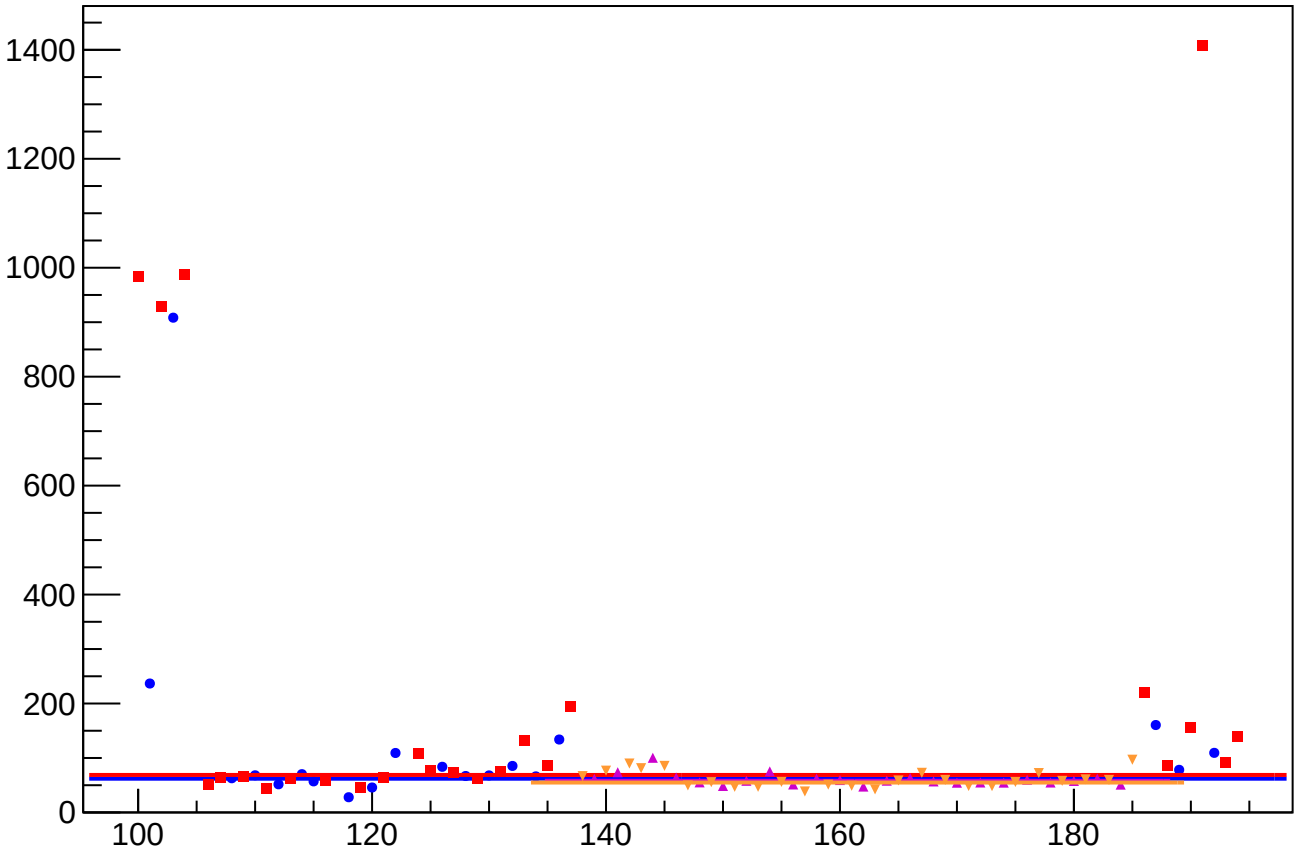
Right: 0.001+/-0.000 χ^2/NDF: 12396112.7/43

In: 0.001+/-0.000 χ^2/NDF:12464808.0/41

Out: 0.001+/-0.000 χ^2/NDF:15875234.1/49

All: 0.001+/-0.000 χ^2/NDF: 28345300.0/91


asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
120
140
160
180
Right In: 0.027+/-0.027 χ²/NDF: 17.1/18
Left Out: -0.000+/-0.014 χ²/NDF:22.6/24
Right Out: -0.031+/-0.026 χ²/NDF: 29.2/24
Left In: -0.008+/-0.015 χ²/NDF:15.5/22
Left: -0.004+/-0.010 χ²/NDF: 38.2/47
Right: -0.003+/-0.019 χ²/NDF: 48.8/43
In: 0.000+/-0.013 χ²/NDF:34.0/41
Out: -0.007+/-0.012 χ²/NDF:52.9/49
All: -0.004+/-0.009 χ²/NDF: 87.0/91



Right In: 61.976+/-0.019 χ^2/NDF: 3770288.3/18

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 68.861+/-0.018 χ^2/NDF: 4099204.7/24

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

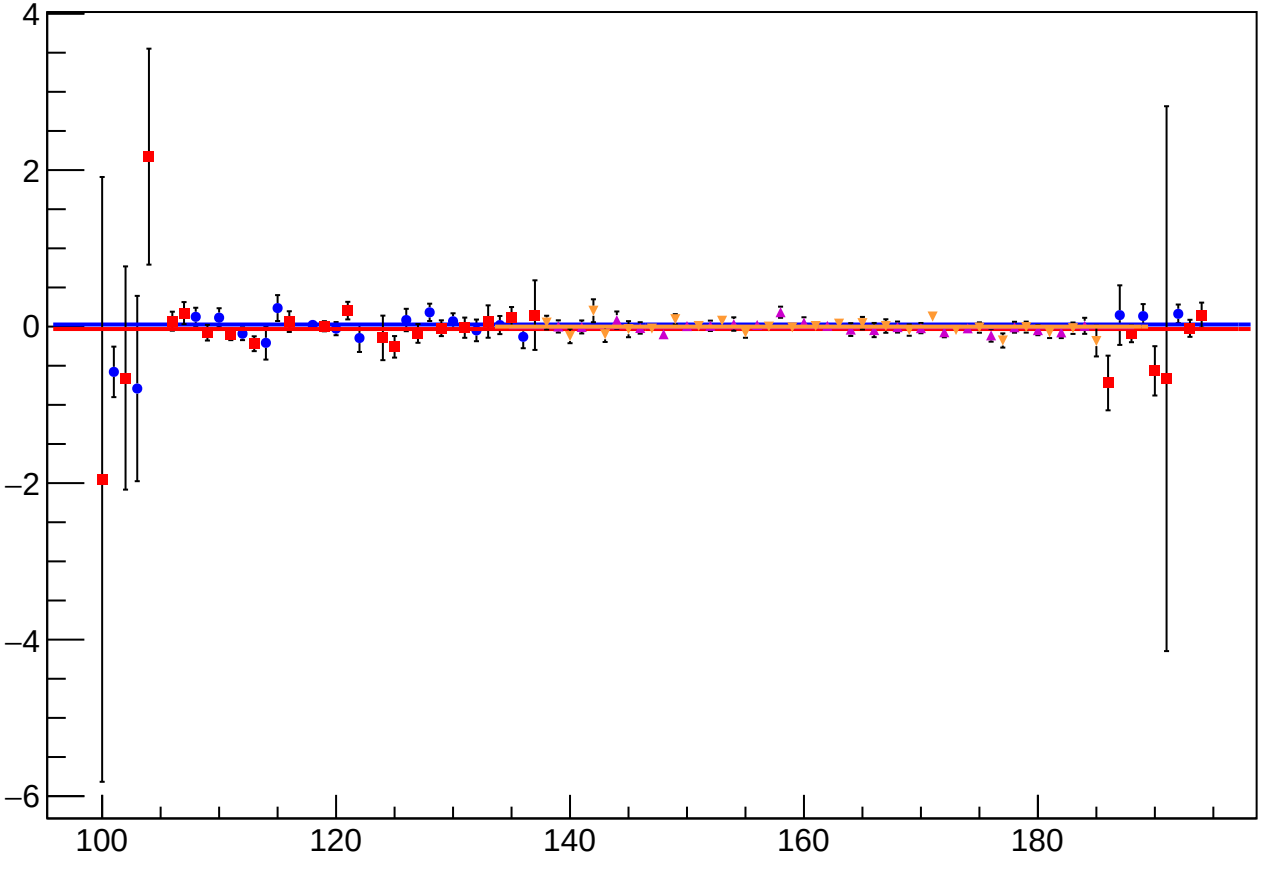
Right: 65.526+/-0.013 χ^2/NDF: 7938489.1/43

In: 59.048+/-0.009 χ^2/NDF:4459473.4/41

Out: 58.133+/-0.009 χ^2/NDF:5846104.9/49

All: 58.569+/-0.006 χ^2/NDF: 10310792.0/91

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.027+/-0.027 χ^2/NDF: 17.1/18

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.031+/-0.026 χ^2/NDF: 29.2/24

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

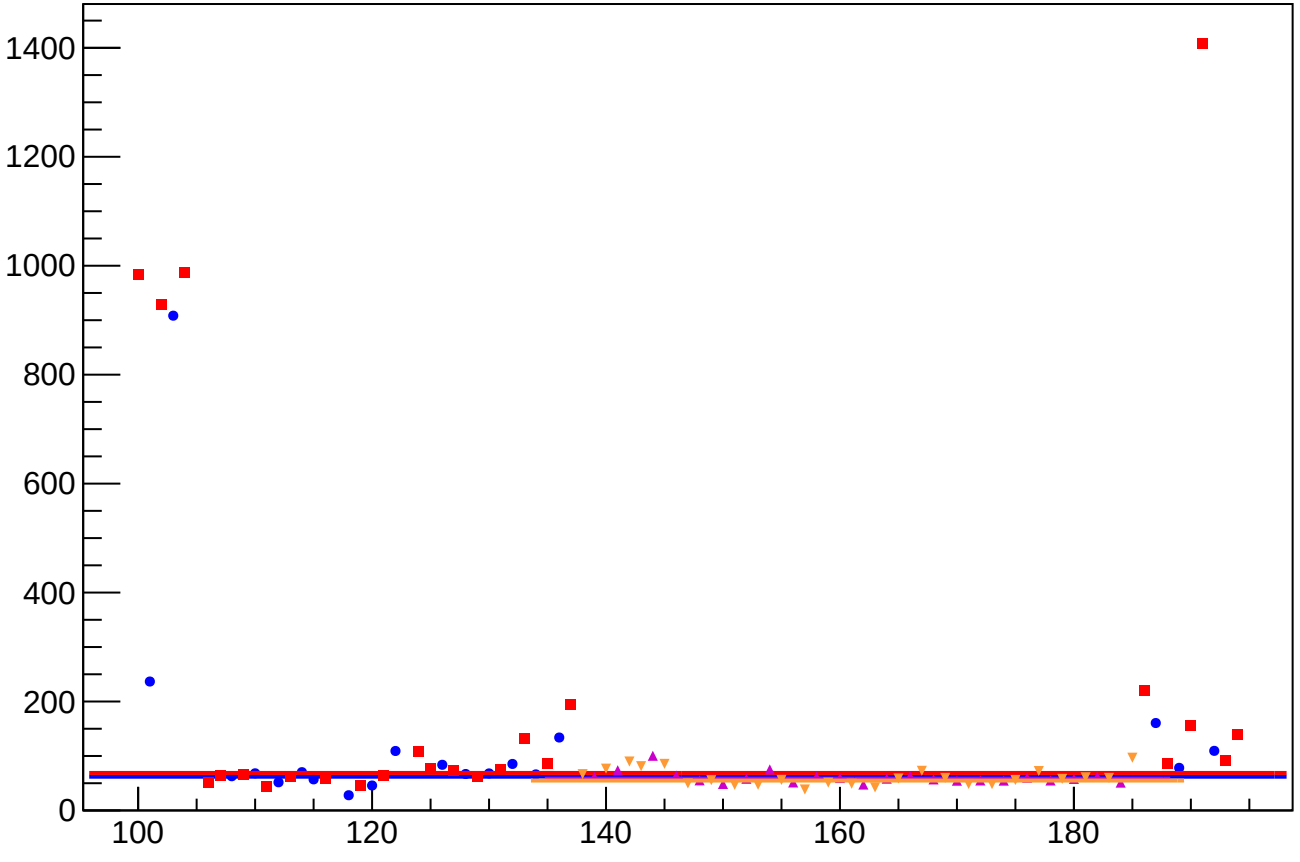
Right: -0.003+/-0.019 χ^2/NDF: 48.8/43

In: 0.000+/-0.013 χ^2/NDF:34.0/41

Out: -0.007+/-0.012 χ^2/NDF:52.9/49

All: -0.004+/-0.009 χ^2/NDF: 87.0/91

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.976+/-0.019 χ^2/NDF: 3770288.3/18

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 68.861+/-0.018 χ^2/NDF: 4099204.7/24

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

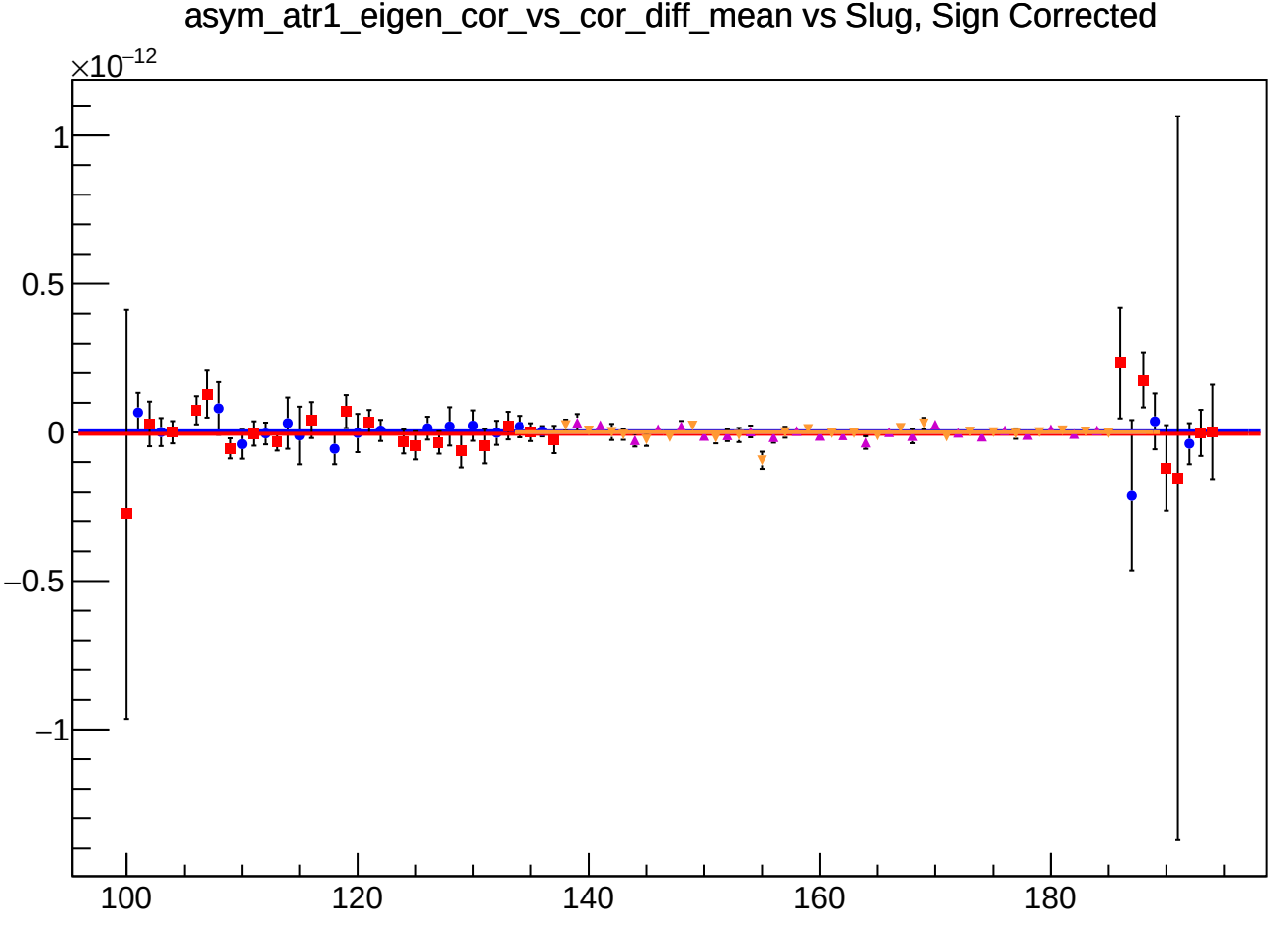
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 65.526+/-0.013 χ^2/NDF: 7938489.1/43

In: 59.048+/-0.009 χ^2/NDF:4459473.4/41

Out: 58.133+/-0.009 χ^2/NDF:5846104.9/49

All: 58.569+/-0.006 χ^2/NDF: 10310792.0/91



Right In: 0.000+/-0.000 χ^2/NDF: 5.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.4/24

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

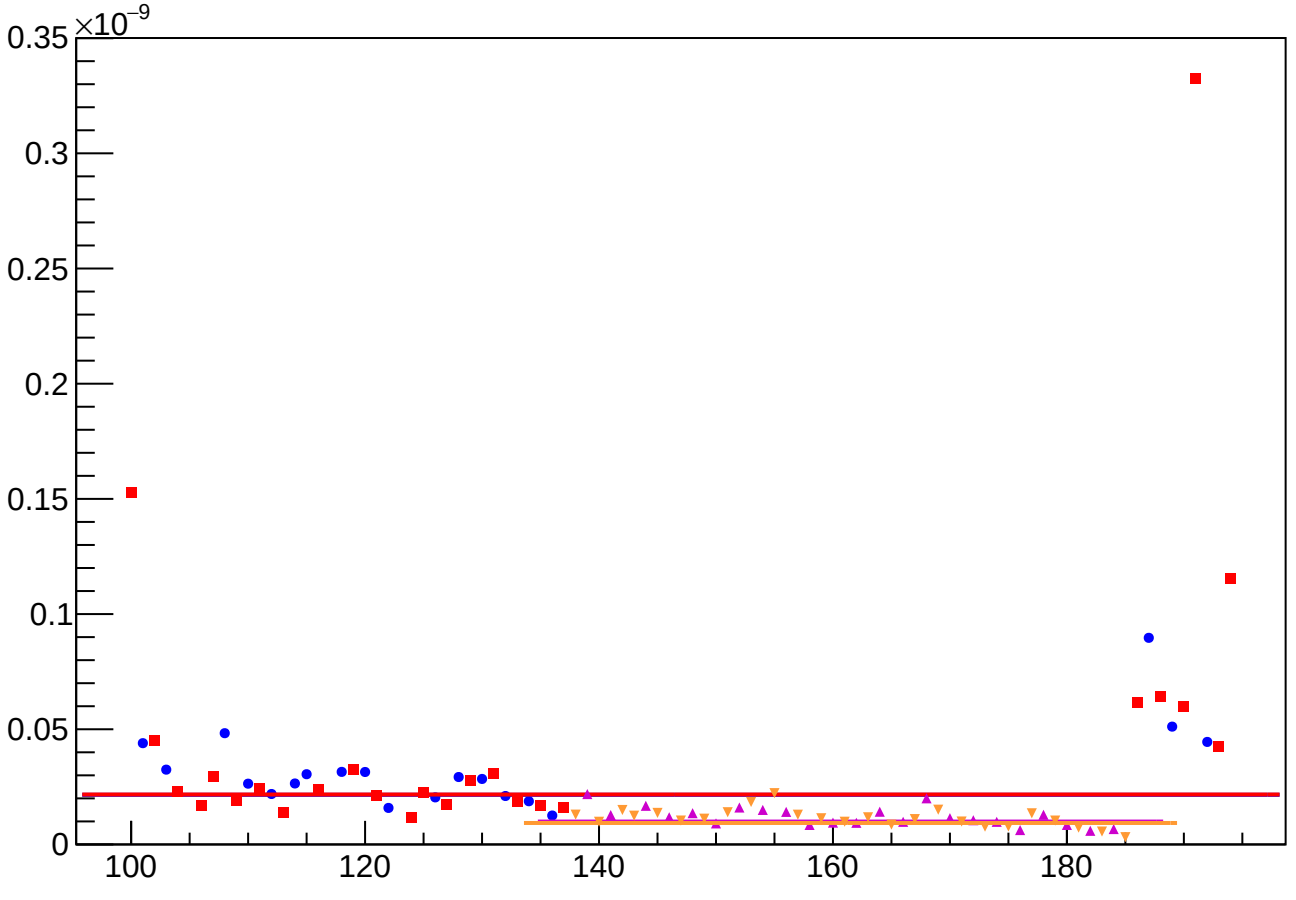
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: -0.000+/-0.000 χ^2/NDF: 28.4/43

In: 0.000+/-0.000 χ^2/NDF:26.0/41

Out: 0.000+/-0.000 χ^2/NDF:48.0/49

All: 0.000+/-0.000 χ^2/NDF: 74.0/91



Right In: 0.000+/-0.000 χ^2/NDF: 1899267.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2494723.8/24

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

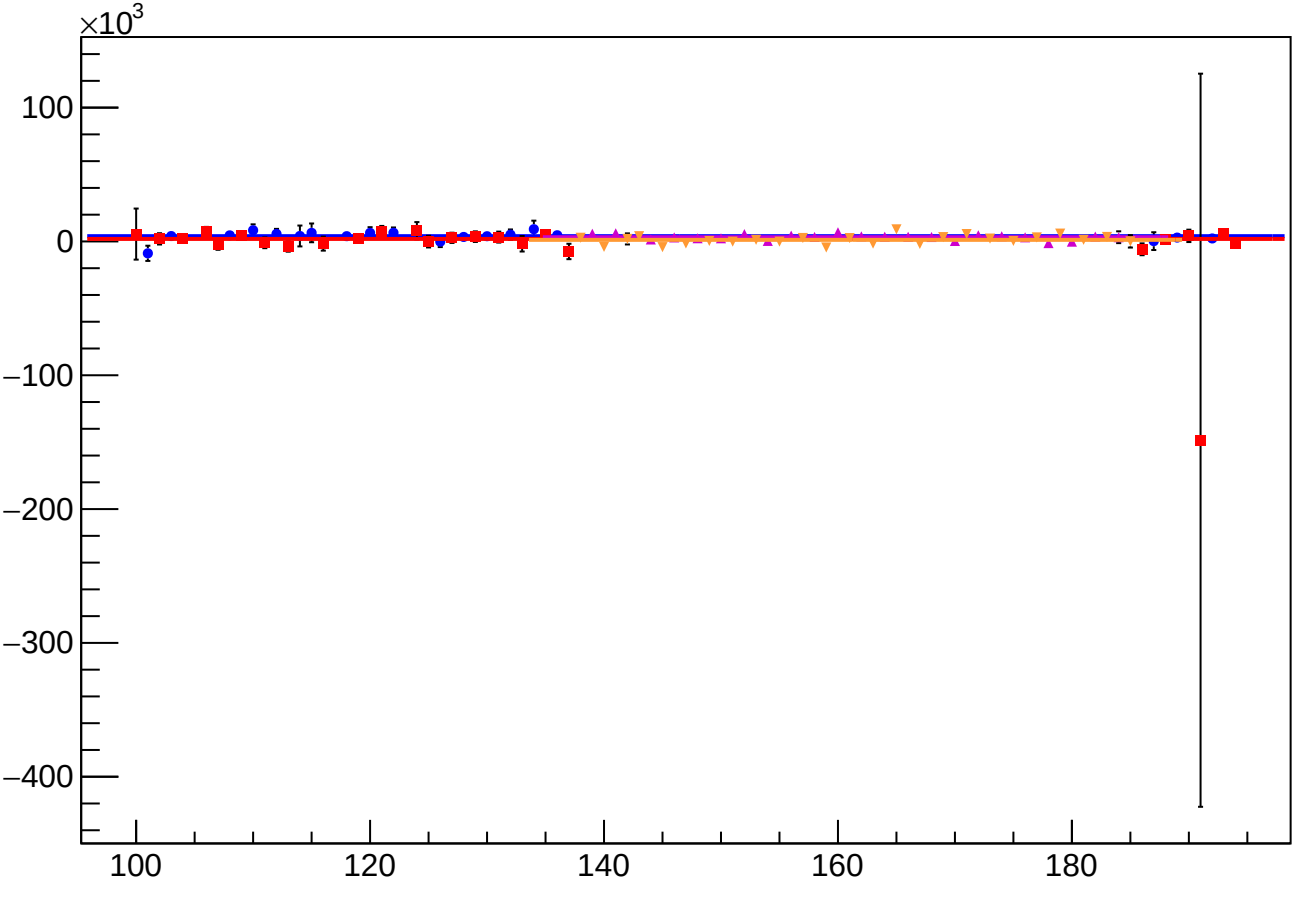
Right: 0.000+/-0.000 χ^2/NDF: 4394174.2/43

In: 0.000+/-0.000 χ^2/NDF:6916910.7/41

Out: 0.000+/-0.000 χ^2/NDF:8447194.7/49

All: 0.000+/-0.000 χ^2/NDF: 15418996.8/91

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3939.389+/-869.741 χ^2/NDF: 9.8/18

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: 1886.189+/-791.118 χ^2/NDF: 21.8/24

Left In: 3147.419+/-569.221 χ^2/NDF:12.7/22

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

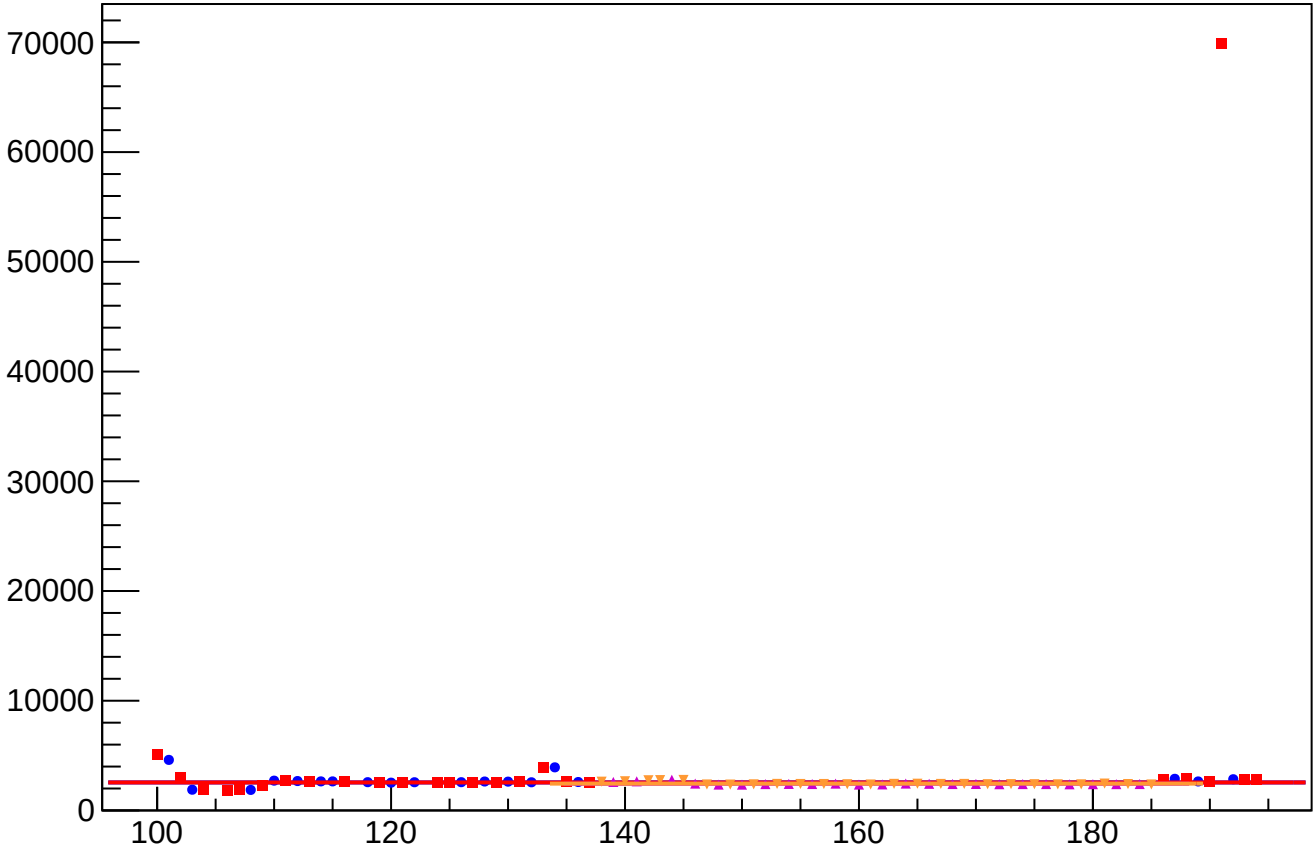
Right: 2815.811+/-585.231 χ^2/NDF: 34.6/43

In: 3384.918+/-476.284 χ^2/NDF:23.0/41

Out: 1419.533+/-455.026 χ^2/NDF:53.4/49

All: 2357.385+/-329.010 χ^2/NDF: 85.4/91

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2553.289+/-0.615 χ^2/NDF: 642778.9/18

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2551.986+/-0.559 χ^2/NDF: 678088.4/24

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

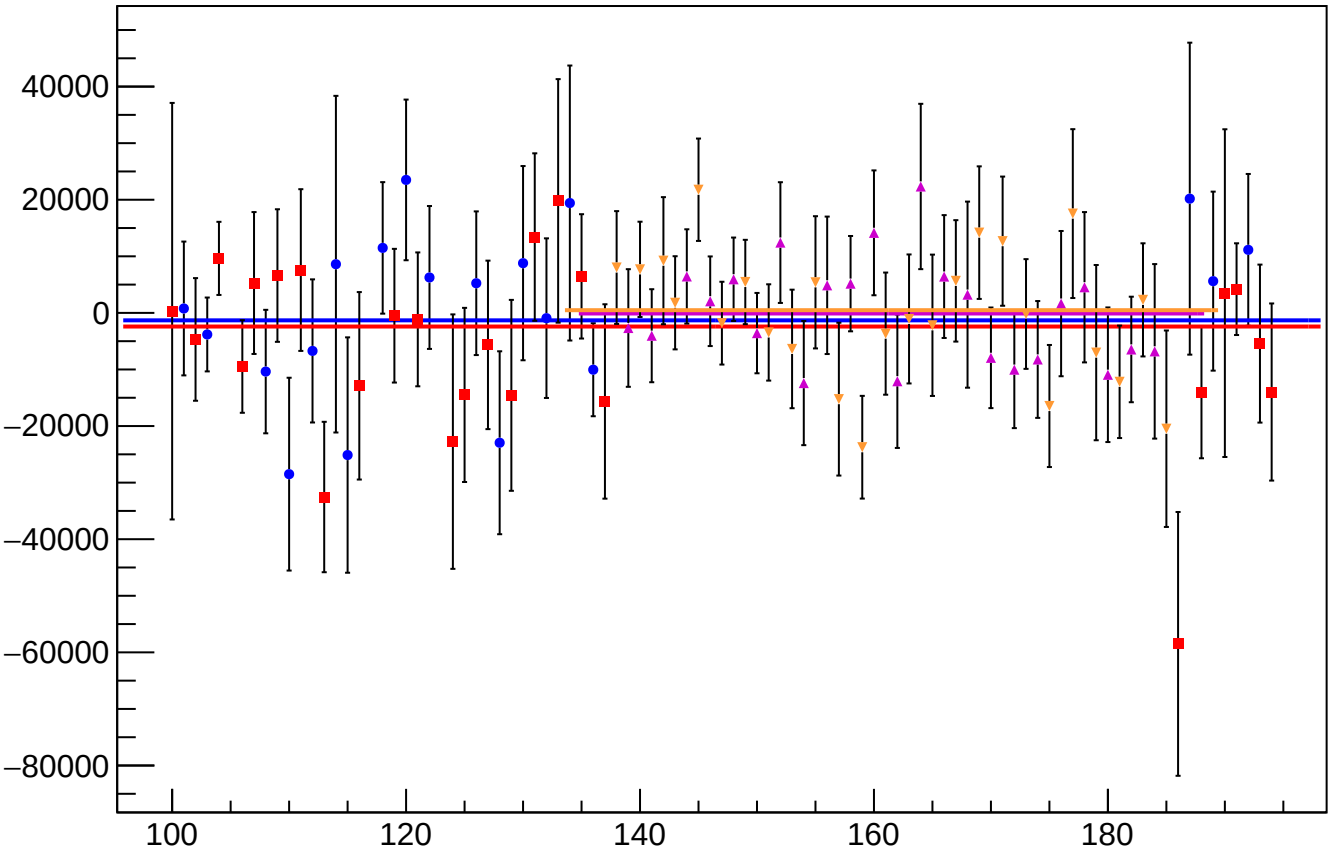
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2552.576+/-0.414 χ^2/NDF: 1320869.7/43

In: 2471.138+/-0.337 χ^2/NDF:727454.8/41

Out: 2480.945+/-0.322 χ^2/NDF:792203.2/49

All: 2476.265+/-0.233 χ^2/NDF: 1520101.3/91



Right In: -1316.324+/-2928.730 χ^2/NDF: 15.6/18

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: -2409.774+/-2518.534 χ^2/NDF: 24.8/24

Left In: -104.954+/-2090.899 χ^2/NDF:14.5/22

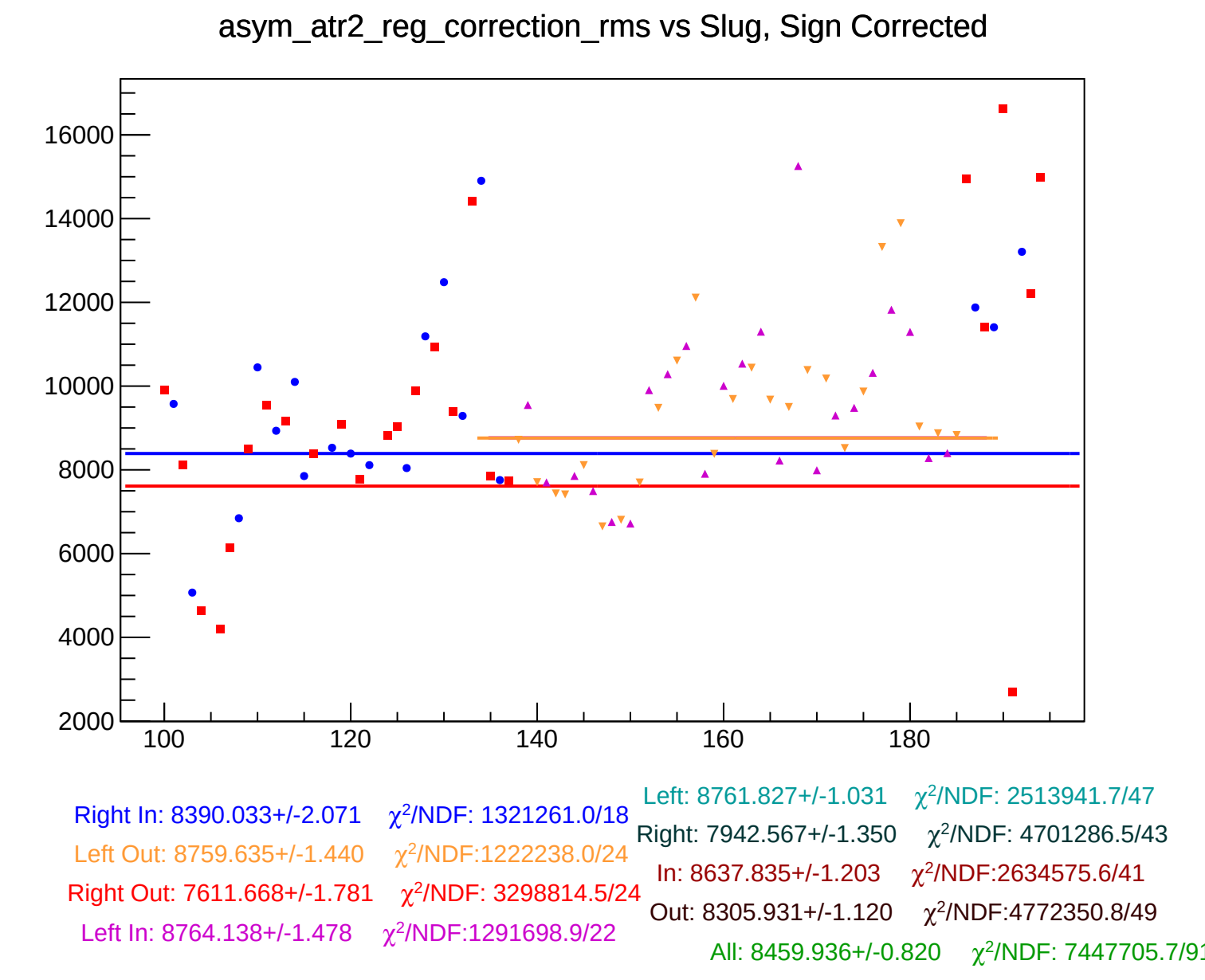
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: -1944.925+/-1909.571 χ^2/NDF: 40.5/43

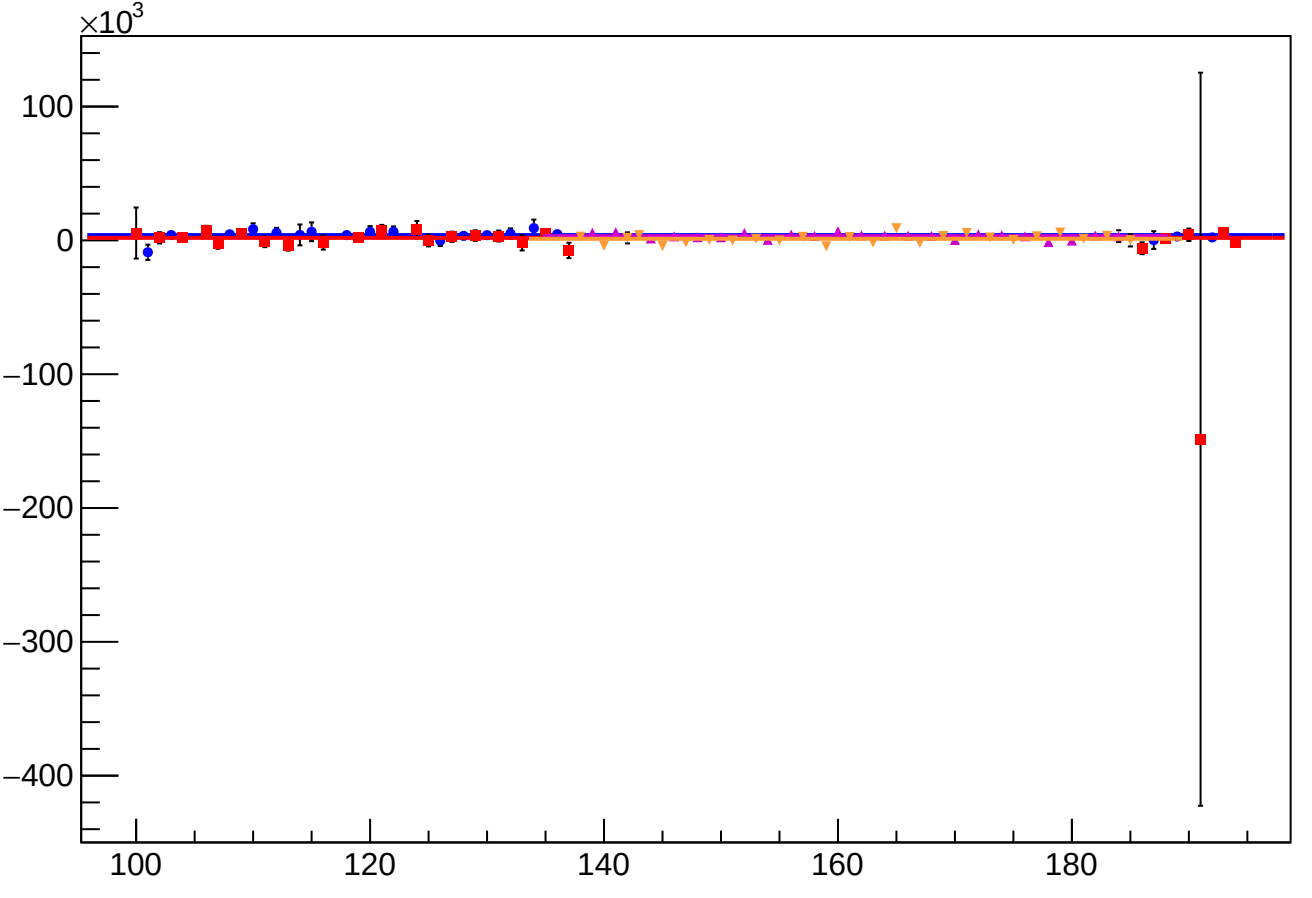
In: -513.928+/-1701.723 χ^2/NDF:30.2/41

Out: -663.806+/-1583.320 χ^2/NDF:53.0/49

All: -594.262+/-1159.177 χ^2/NDF: 83.2/91


asym_atr2_reg_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
Right In: 8390.033+/-2.071 χ²/NDF: 1321261.0/18
Left Out: 8759.635+/-1.440 χ²/NDF:1222238.0/24
Right Out: 7611.668+/-1.781 χ²/NDF: 3298814.5/24
Left In: 8764.138+/-1.478 χ²/NDF:1291698.9/22
Left: 8761.827+/-1.031 χ²/NDF: 2513941.7/47
Right: 7942.567+/-1.350 χ²/NDF: 4701286.5/43
In: 8637.835+/-1.203 χ²/NDF:2634575.6/41
Out: 8305.931+/-1.120 χ²/NDF:4772350.8/49
All: 8459.936+/-0.820 χ²/NDF: 7447705.7/91

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3939.022+/-869.741 χ^2/NDF: 9.8/18

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1886.663+/-791.123 χ^2/NDF: 21.8/24

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

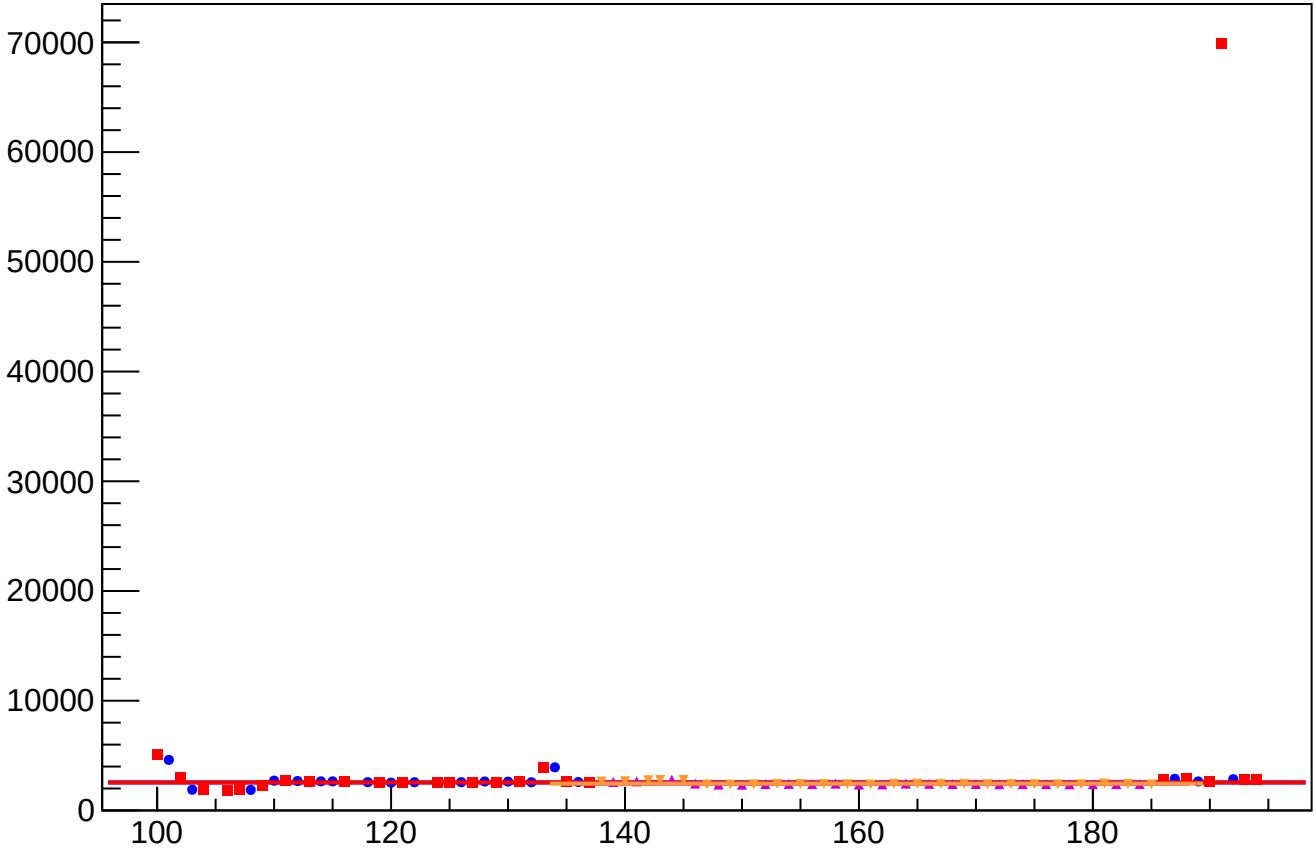
Right: 2815.910+/-585.233 χ^2/NDF: 34.6/43

In: 3384.670+/-476.284 χ^2/NDF:23.0/41

Out: 1419.574+/-455.026 χ^2/NDF:53.5/49

All: 2357.290+/-329.011 χ^2/NDF: 85.4/91

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2553.289+/-0.615 χ^2/NDF: 642776.4/18

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2552.005+/-0.559 χ^2/NDF: 678021.9/24

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

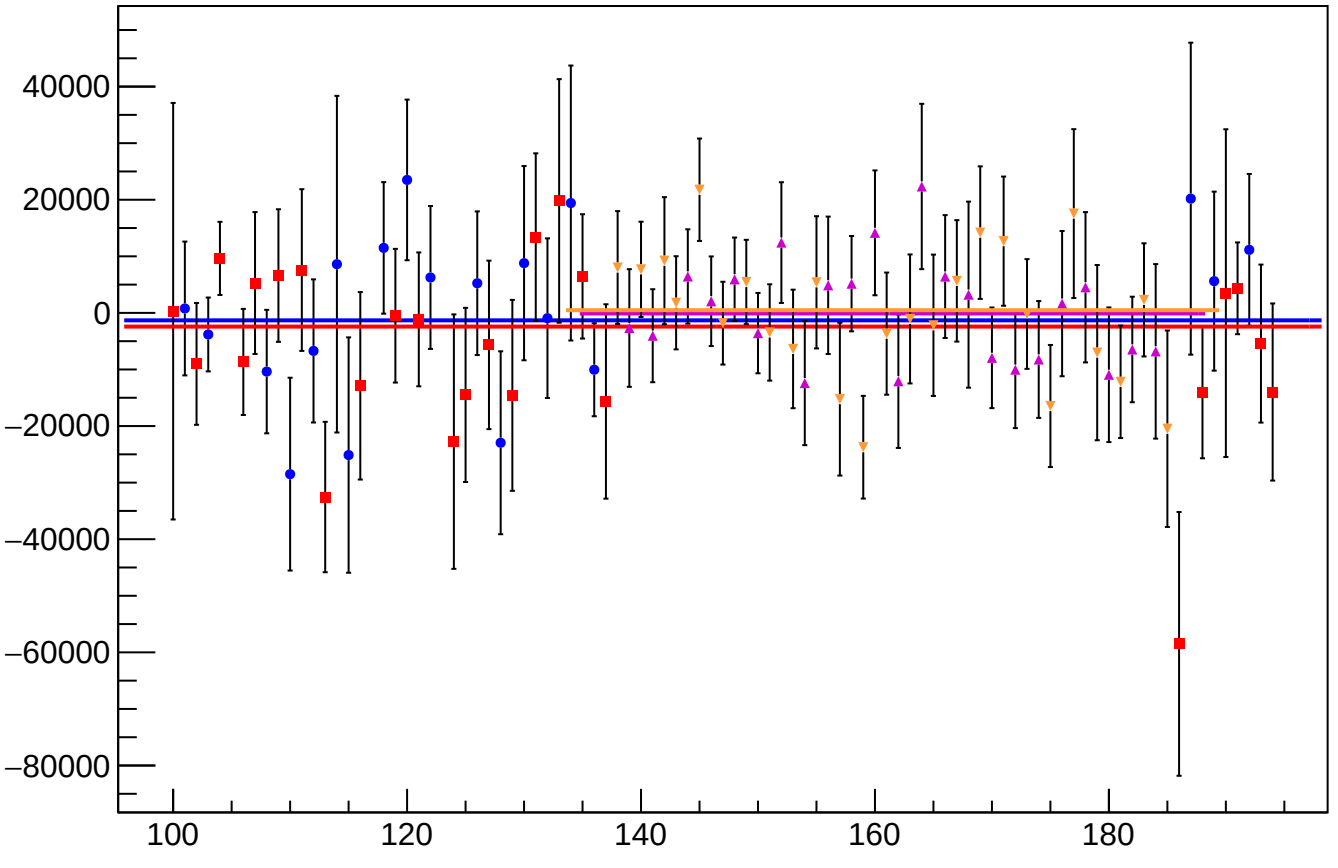
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2552.586+/-0.414 χ^2/NDF: 1320800.8/43

In: 2471.138+/-0.337 χ^2/NDF:727452.7/41

Out: 2480.951+/-0.322 χ^2/NDF:792145.1/49

All: 2476.269+/-0.233 χ^2/NDF: 1520041.7/91



Right In: -1316.045+/-2928.806 χ^2/NDF: 15.6/18

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2418.180+/-2546.583 χ^2/NDF: 24.9/24

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

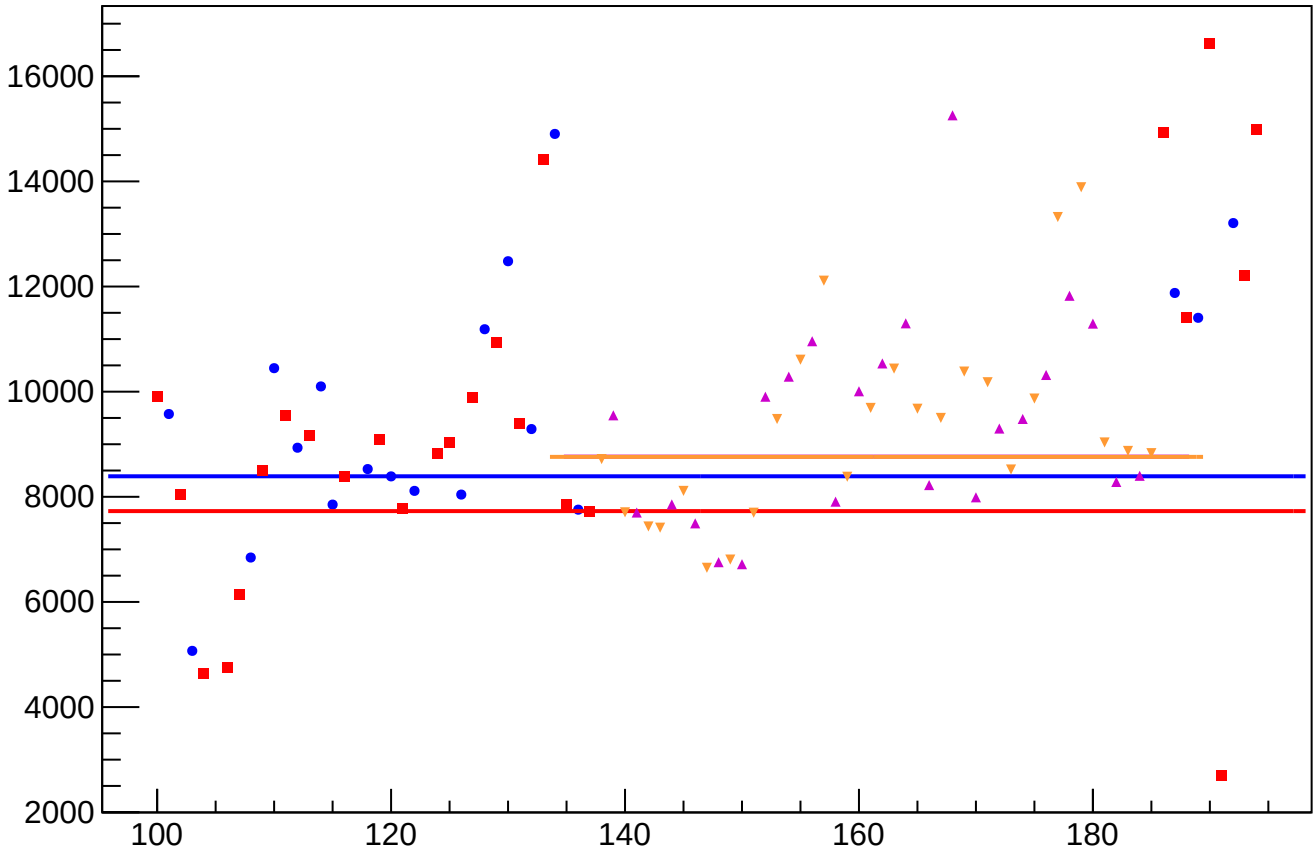
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -1943.676+/-1921.732 χ^2/NDF: 40.5/43

In: -513.867+/-1701.737 χ^2/NDF:30.2/41

Out: -651.826+/-1590.219 χ^2/NDF:53.1/49

All: -587.515+/-1161.880 χ^2/NDF: 83.2/91



Right In: 8390.348+/-2.071 χ^2/NDF: 1320904.3/18

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 7728.111+/-1.801 χ^2/NDF: 3129697.0/24

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

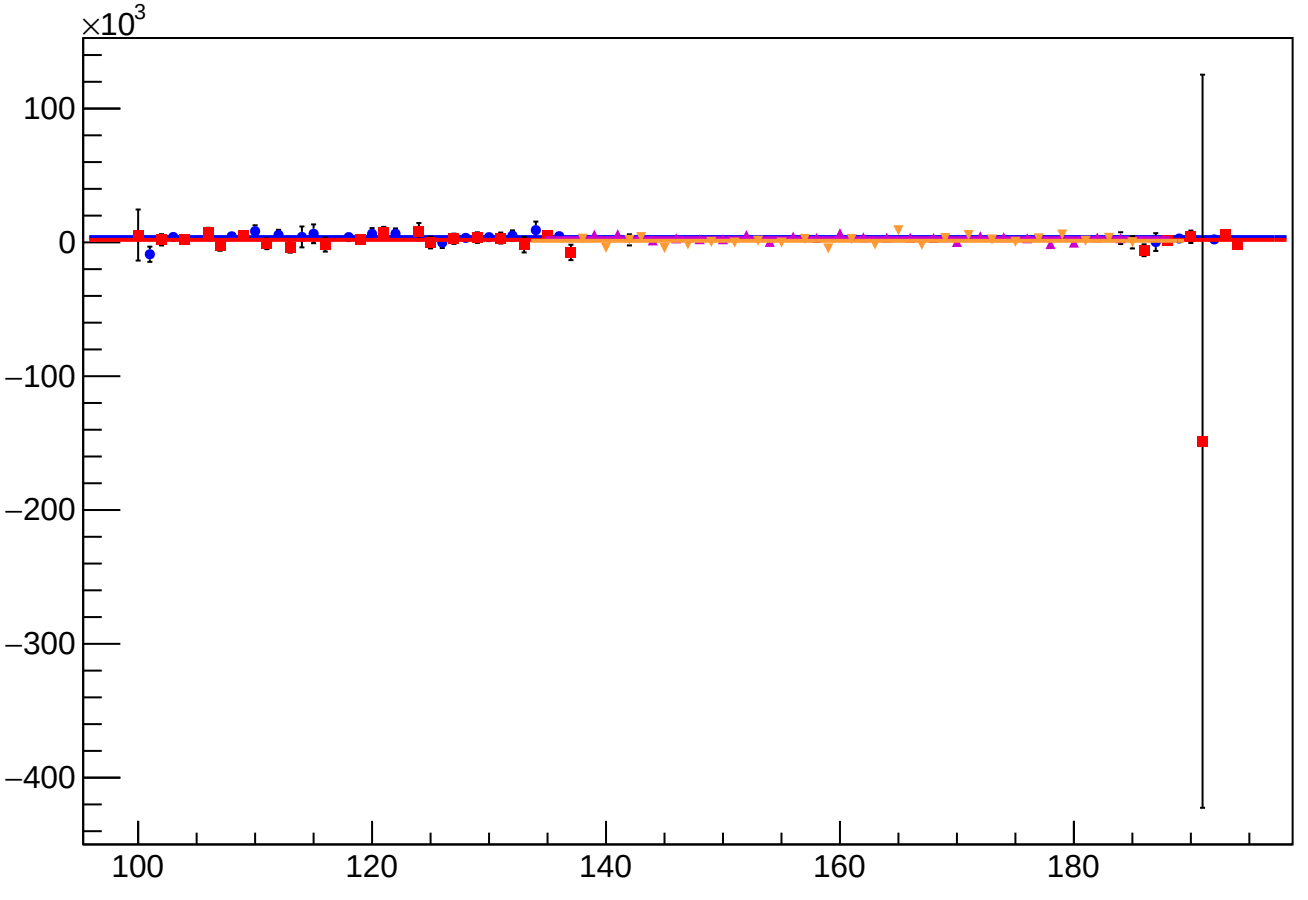
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 8013.224+/-1.359 χ^2/NDF: 4508831.4/43

In: 8637.943+/-1.203 χ^2/NDF:2634182.5/41

Out: 8357.395+/-1.124 χ^2/NDF:4552134.1/49

All: 8488.176+/-0.822 χ^2/NDF: 7215334.6/91



Right In: 3939.022+/-869.741 χ^2/NDF: 9.8/18

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1886.663+/-791.123 χ^2/NDF: 21.8/24

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

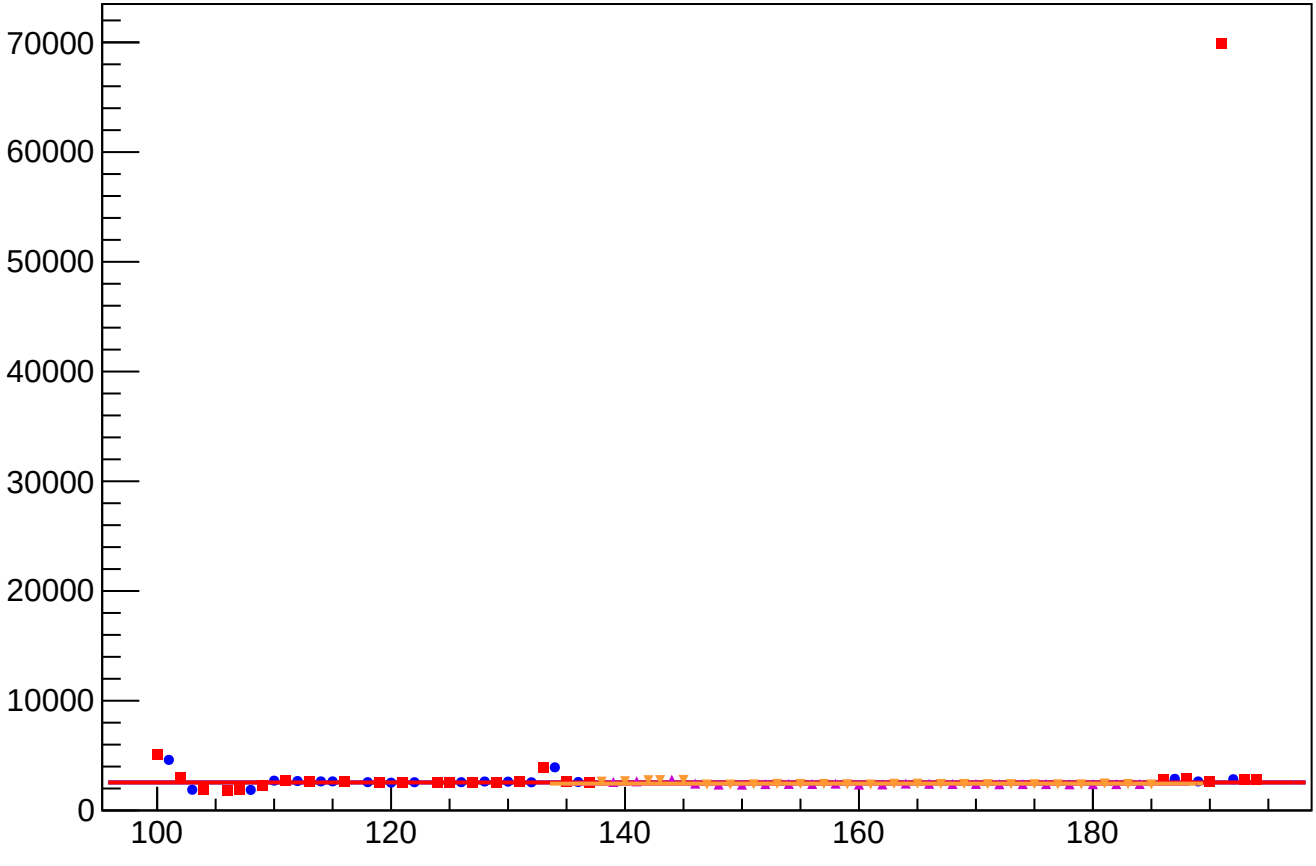
Right: 2815.910+/-585.233 χ^2/NDF: 34.6/43

In: 3384.670+/-476.284 χ^2/NDF:23.0/41

Out: 1419.574+/-455.026 χ^2/NDF:53.5/49

All: 2357.290+/-329.011 χ^2/NDF: 85.4/91

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2553.289+/-0.615 χ^2/NDF: 642776.4/18

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2552.005+/-0.559 χ^2/NDF: 678021.9/24

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

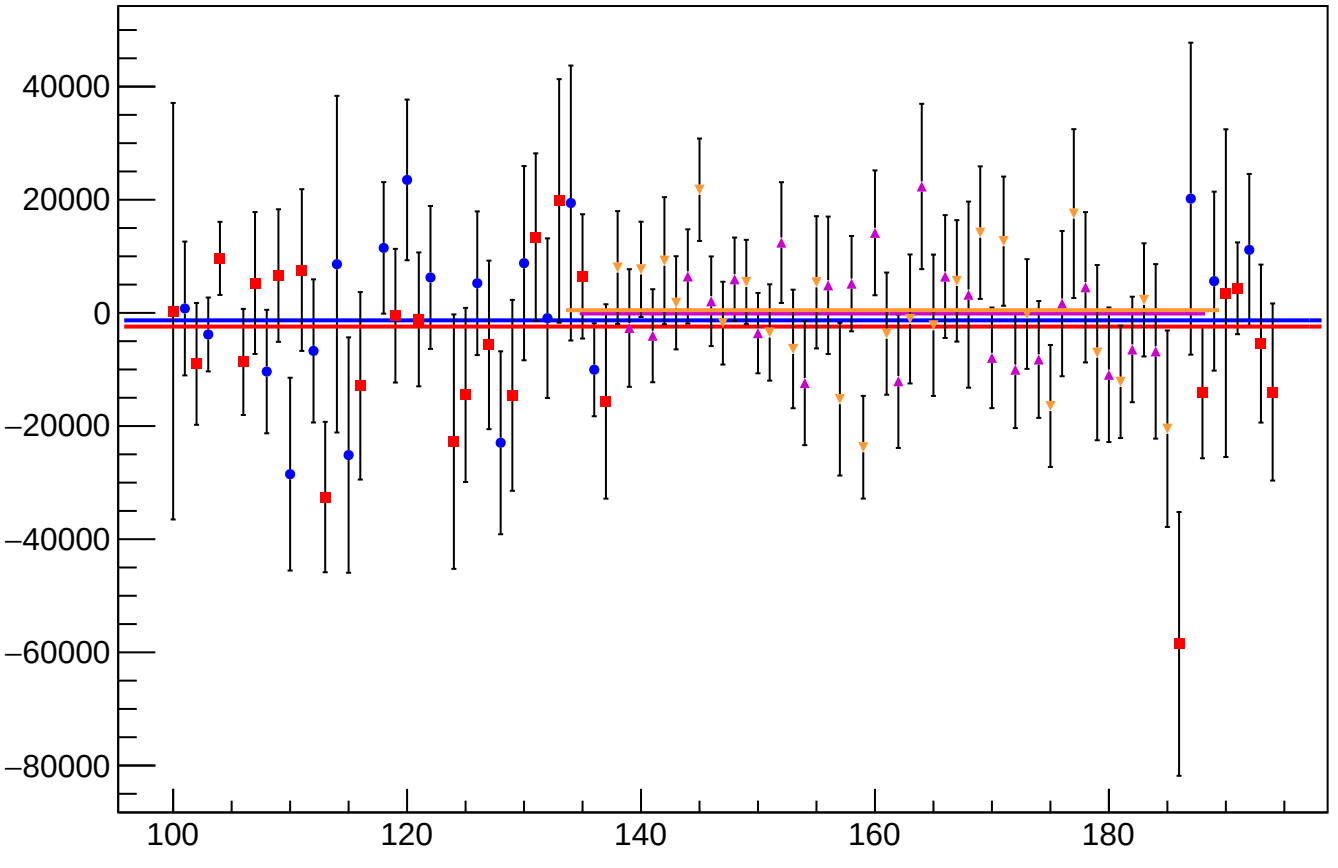
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2552.586+/-0.414 χ^2/NDF: 1320800.8/43

In: 2471.138+/-0.337 χ^2/NDF:727452.7/41

Out: 2480.951+/-0.322 χ^2/NDF:792145.1/49

All: 2476.269+/-0.233 χ^2/NDF: 1520041.7/91



Right In: -1316.045+/-2928.806 χ^2/NDF: 15.6/18

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2418.180+/-2546.583 χ^2/NDF: 24.9/24

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

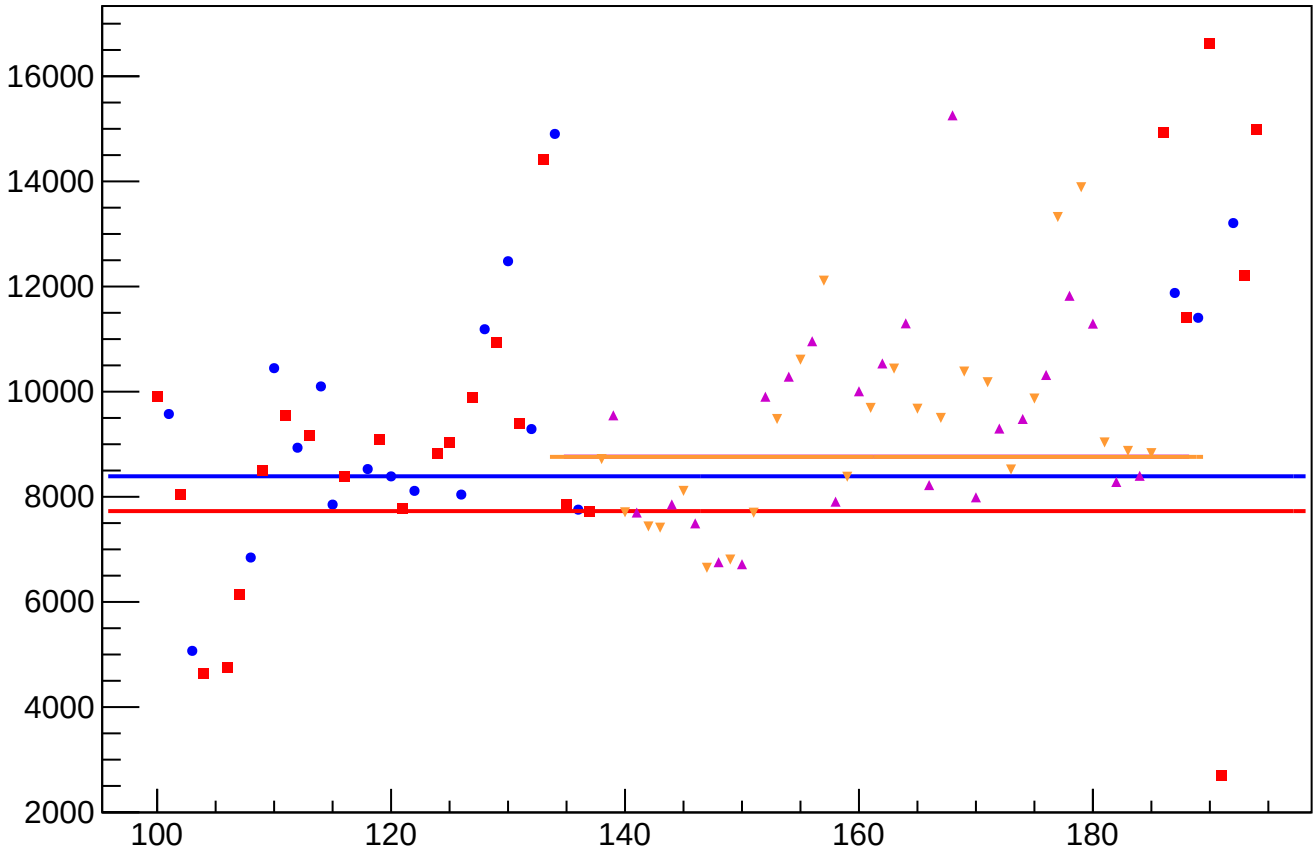
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -1943.676+/-1921.732 χ^2/NDF: 40.5/43

In: -513.867+/-1701.737 χ^2/NDF:30.2/41

Out: -651.826+/-1590.219 χ^2/NDF:53.1/49

All: -587.515+/-1161.880 χ^2/NDF: 83.2/91



Right In: 8390.348+/-2.071 χ^2/NDF: 1320904.3/18

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 7728.111+/-1.801 χ^2/NDF: 3129697.0/24

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

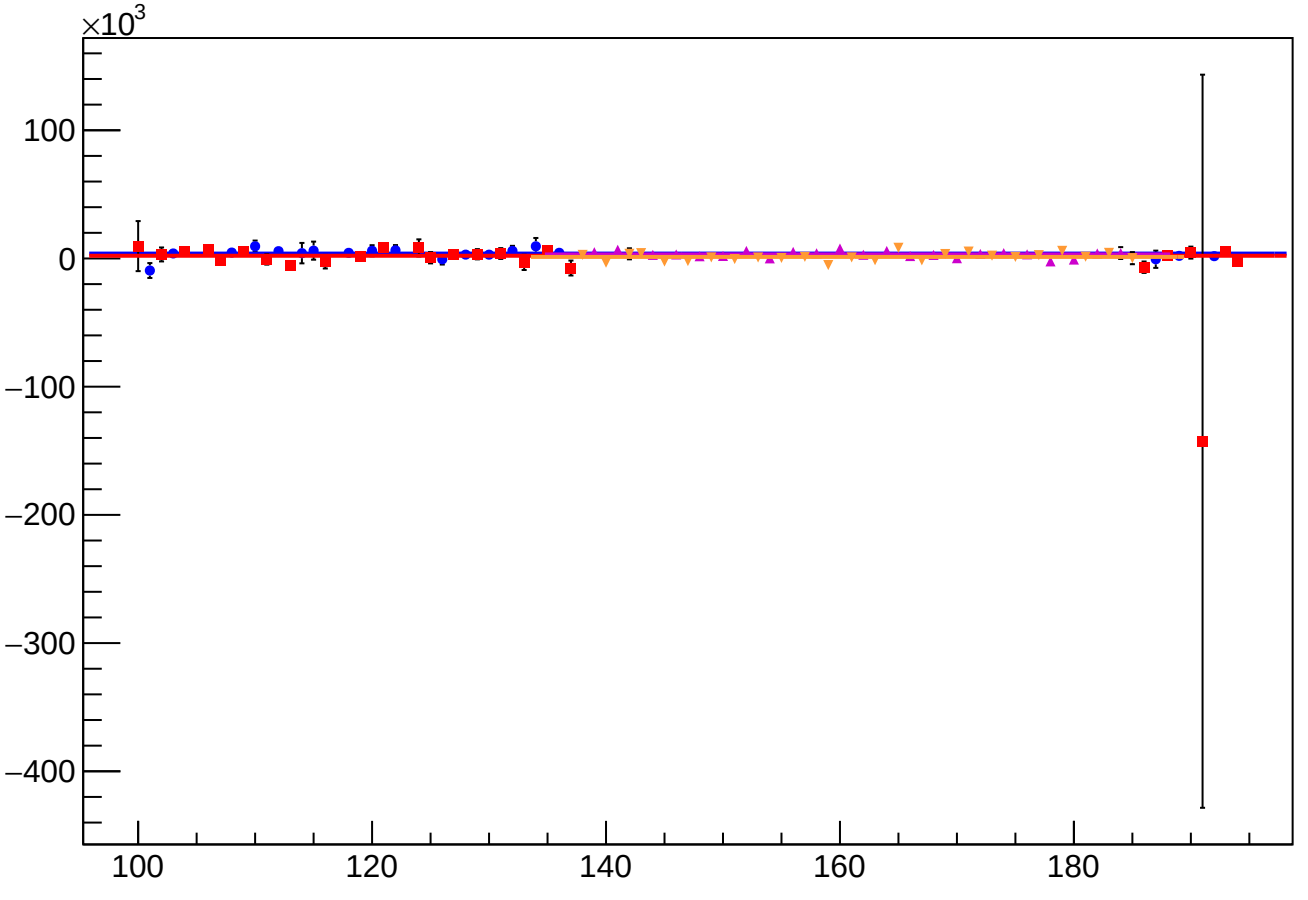
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 8013.224+/-1.359 χ^2/NDF: 4508831.4/43

In: 8637.943+/-1.203 χ^2/NDF:2634182.5/41

Out: 8357.395+/-1.124 χ^2/NDF:4552134.1/49

All: 8488.176+/-0.822 χ^2/NDF: 7215334.6/91



Right In: 3807.526+/-902.020 χ^2/NDF: 11.4/18

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: 2118.568+/-821.100 χ^2/NDF: 25.4/24

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

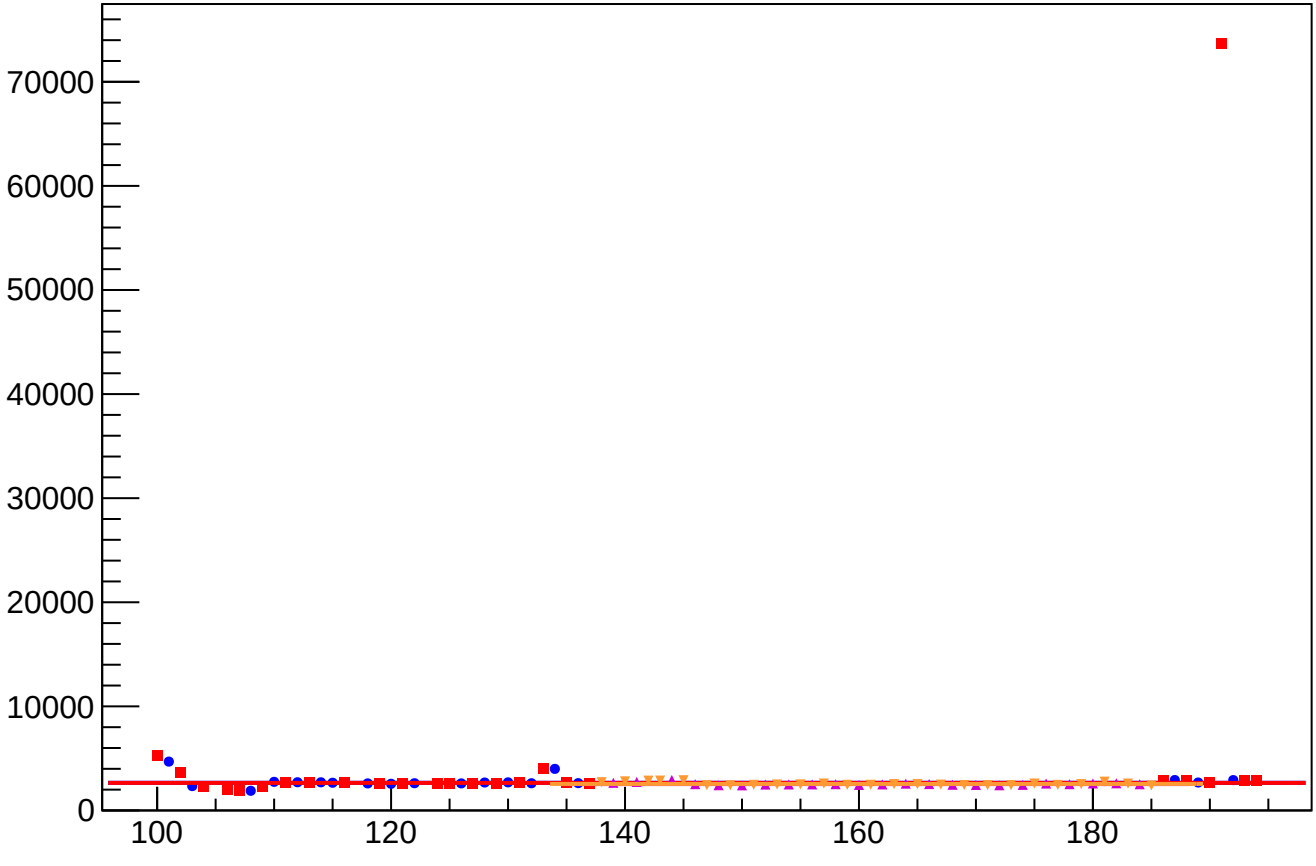
Right: 2883.906+/-607.202 χ^2/NDF: 38.7/43

In: 3348.194+/-494.996 χ^2/NDF:28.2/41

Out: 1514.808+/-473.565 χ^2/NDF:53.0/49

All: 2390.955+/-342.187 χ^2/NDF: 88.4/91

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2657.591+/-0.638 χ^2/NDF: 507165.8/18

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2647.735+/-0.580 χ^2/NDF: 588703.3/24

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

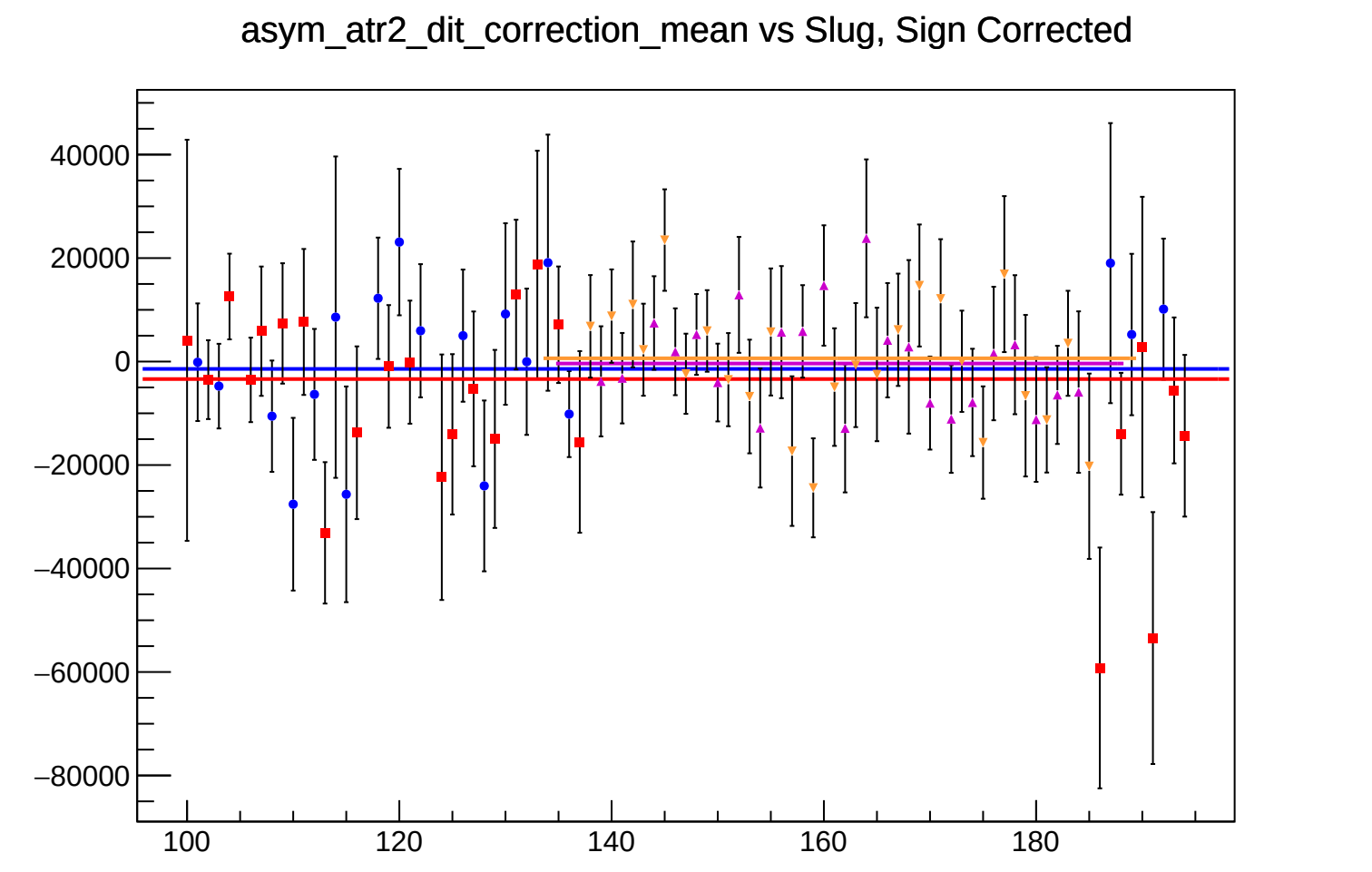
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2652.199+/-0.429 χ^2/NDF: 1095999.8/43

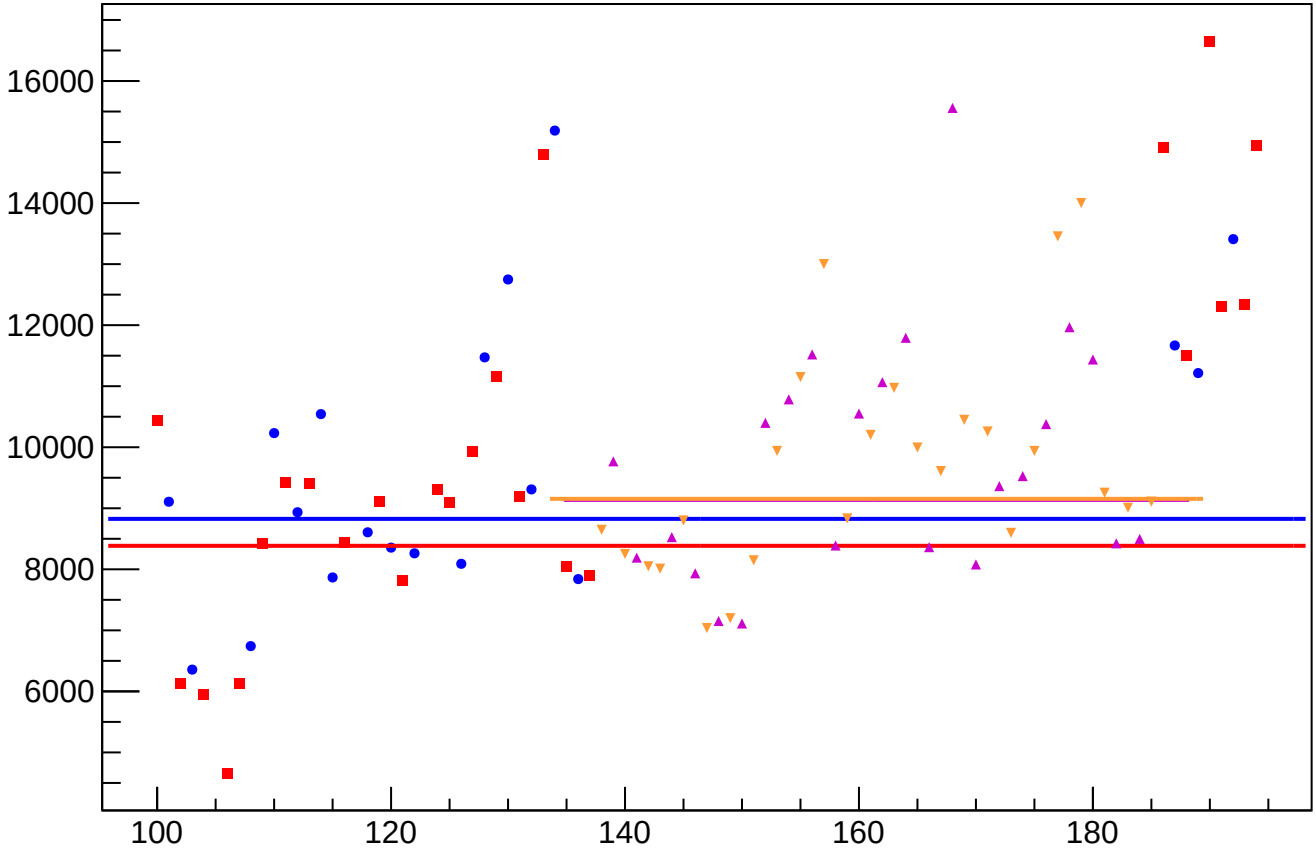
In: 2570.360+/-0.350 χ^2/NDF:602370.6/41

Out: 2580.630+/-0.335 χ^2/NDF:726040.7/49

All: 2575.723+/-0.242 χ^2/NDF: 1328860.8/91


asym_atr2_dit_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
Right In: -1420.585+/-3045.488 χ²/NDF: 15.4/18
Left Out: 631.360+/-2123.101 χ²/NDF:26.7/24
Right Out: -3380.881+/-2651.755 χ²/NDF: 27.6/24
Left In: -377.922+/-2176.347 χ²/NDF:14.2/22
Left: 139.216+/-1519.735 χ²/NDF: 41.0/47
Right: -2535.564+/-1999.889 χ²/NDF: 43.2/43
In: -730.387+/-1770.692 χ²/NDF:29.7/41
Out: -935.920+/-1657.346 χ²/NDF:55.6/49
All: -839.942+/-1210.008 χ²/NDF: 85.4/91

asym_atr2_dit_correction_rms vs Slug, Sign Corrected



Right In: 8826.477+/-2.153 χ^2/NDF: 905716.0/18

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 8384.916+/-1.875 χ^2/NDF: 2151166.9/24

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

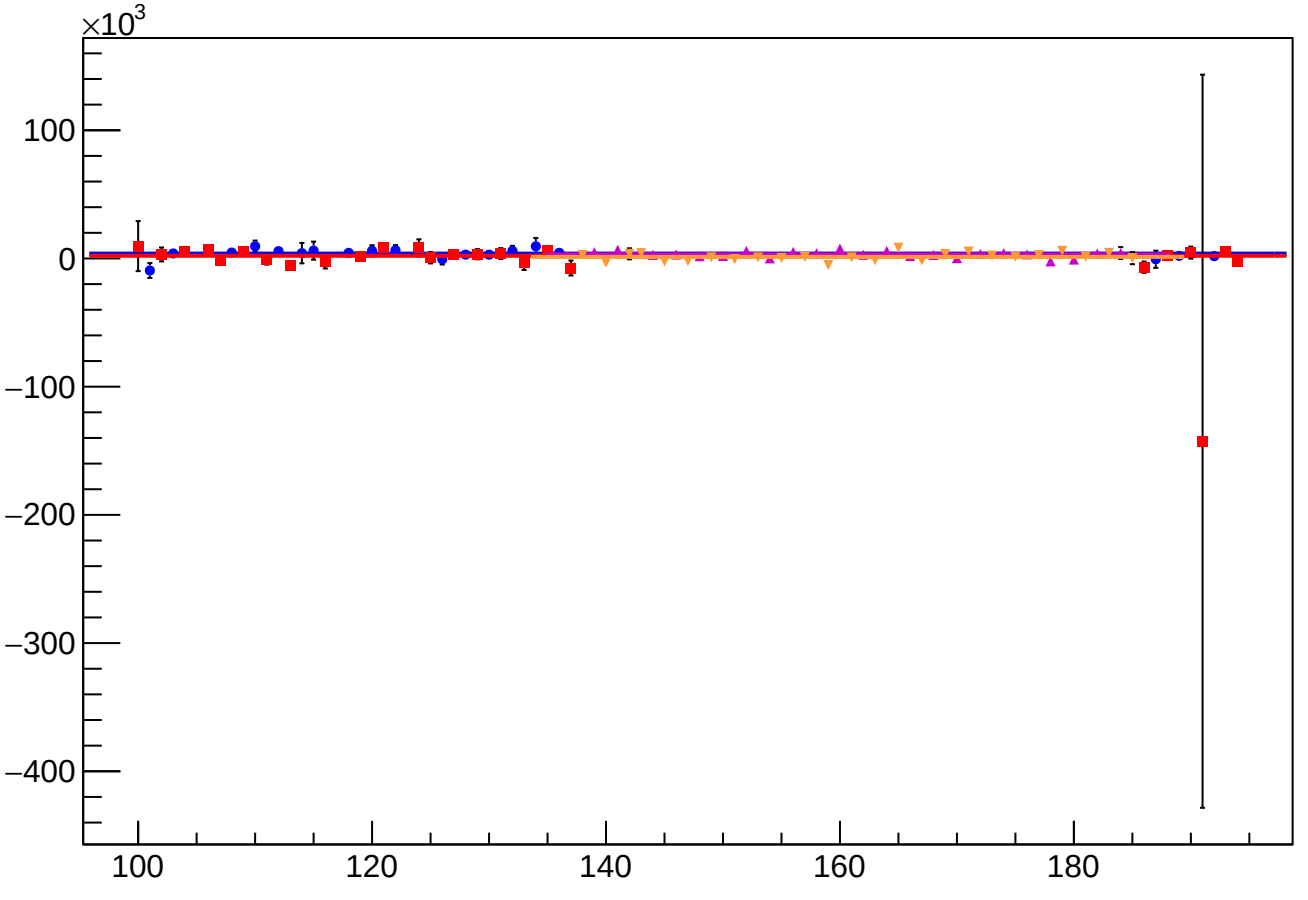
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 8575.325+/-1.414 χ^2/NDF: 3080796.5/43

In: 9032.411+/-1.252 χ^2/NDF:2092323.0/41

Out: 8853.996+/-1.172 χ^2/NDF:3325941.4/49

All: 8937.311+/-0.856 χ^2/NDF: 5429087.7/91



Right In: 3807.532+/-902.019 χ^2/NDF: 11.4/18

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: 2118.575+/-821.100 χ^2/NDF: 25.4/24

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

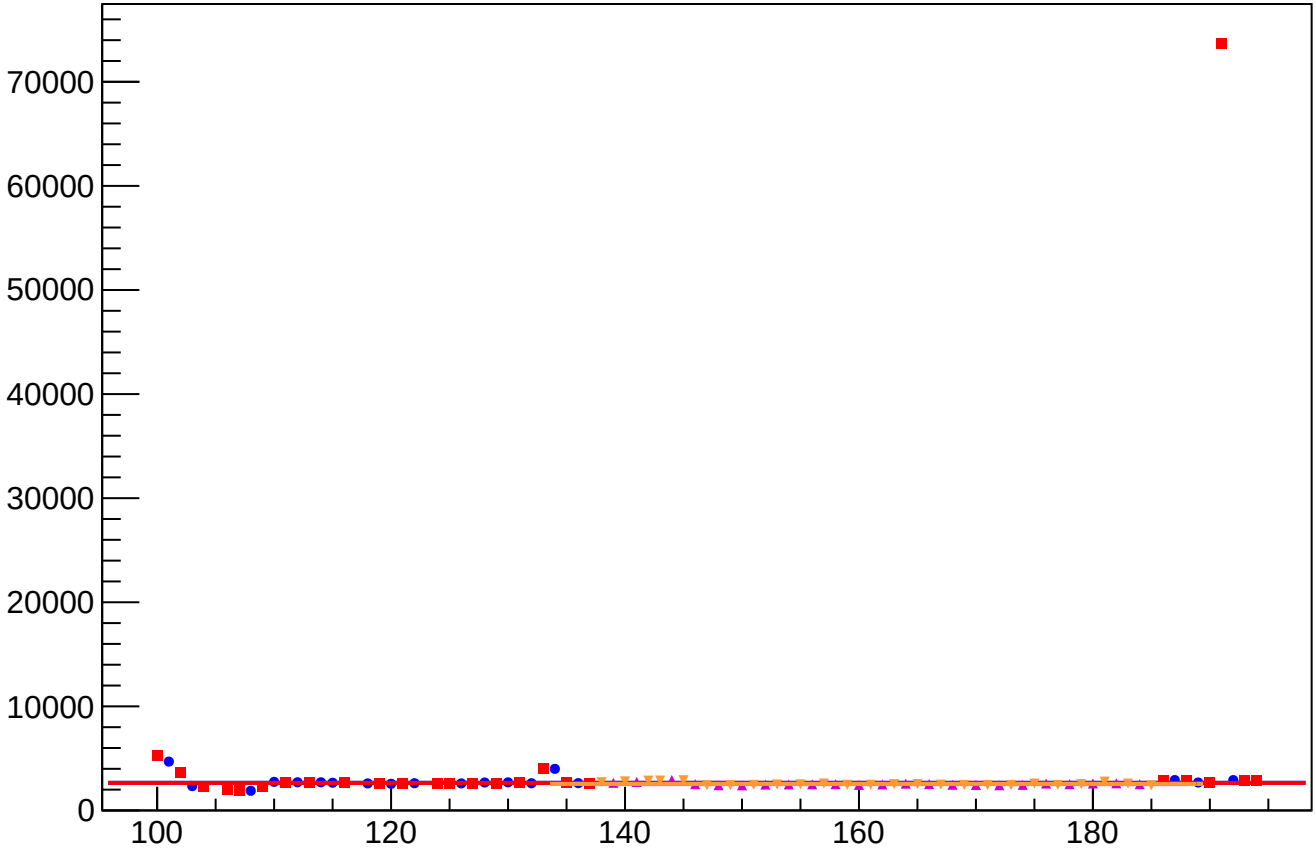
Right: 2883.913+/-607.202 χ^2/NDF: 38.7/43

In: 3348.196+/-494.996 χ^2/NDF:28.2/41

Out: 1514.803+/-473.565 χ^2/NDF:53.0/49

All: 2390.953+/-342.187 χ^2/NDF: 88.4/91

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2657.589+/-0.638 χ^2/NDF: 507165.8/18

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2647.734+/-0.580 χ^2/NDF: 588702.9/24

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

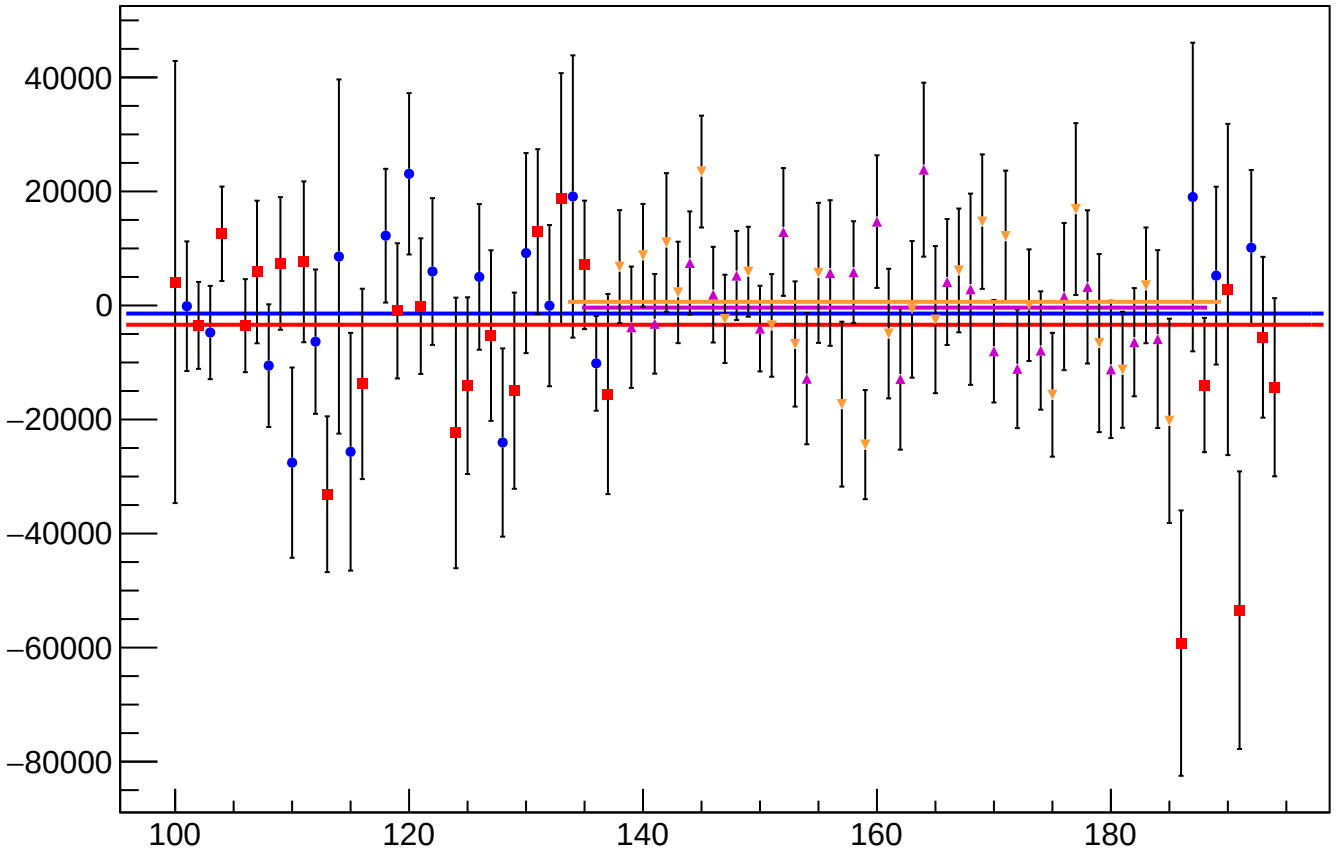
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2652.198+/-0.429 χ^2/NDF: 1095999.3/43

In: 2570.361+/-0.350 χ^2/NDF:602369.0/41

Out: 2580.631+/-0.335 χ^2/NDF:726039.5/49

All: 2575.724+/-0.242 χ^2/NDF: 1328858.1/91



Right In: -1420.556+/-3045.485 χ^2/NDF: 15.4/18

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: -3380.871+/-2651.751 χ^2/NDF: 27.6/24

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

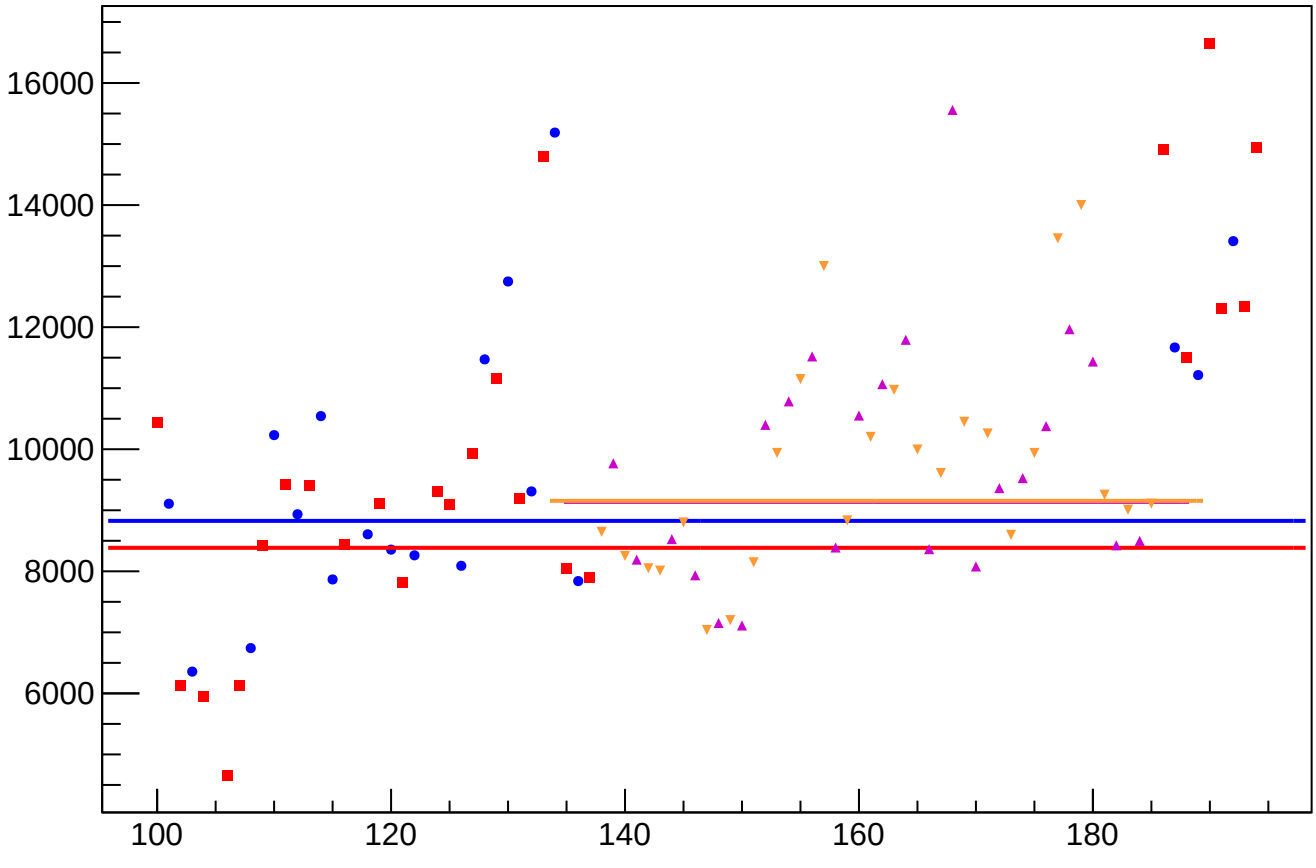
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -2535.546+/-1999.887 χ^2/NDF: 43.2/43

In: -730.382+/-1770.693 χ^2/NDF:29.7/41

Out: -935.924+/-1657.347 χ^2/NDF:55.6/49

All: -839.942+/-1210.009 χ^2/NDF: 85.4/91



Right In: 8826.468+/-2.153 χ^2/NDF: 905712.9/18

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 8384.904+/-1.875 χ^2/NDF: 2151168.1/24

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

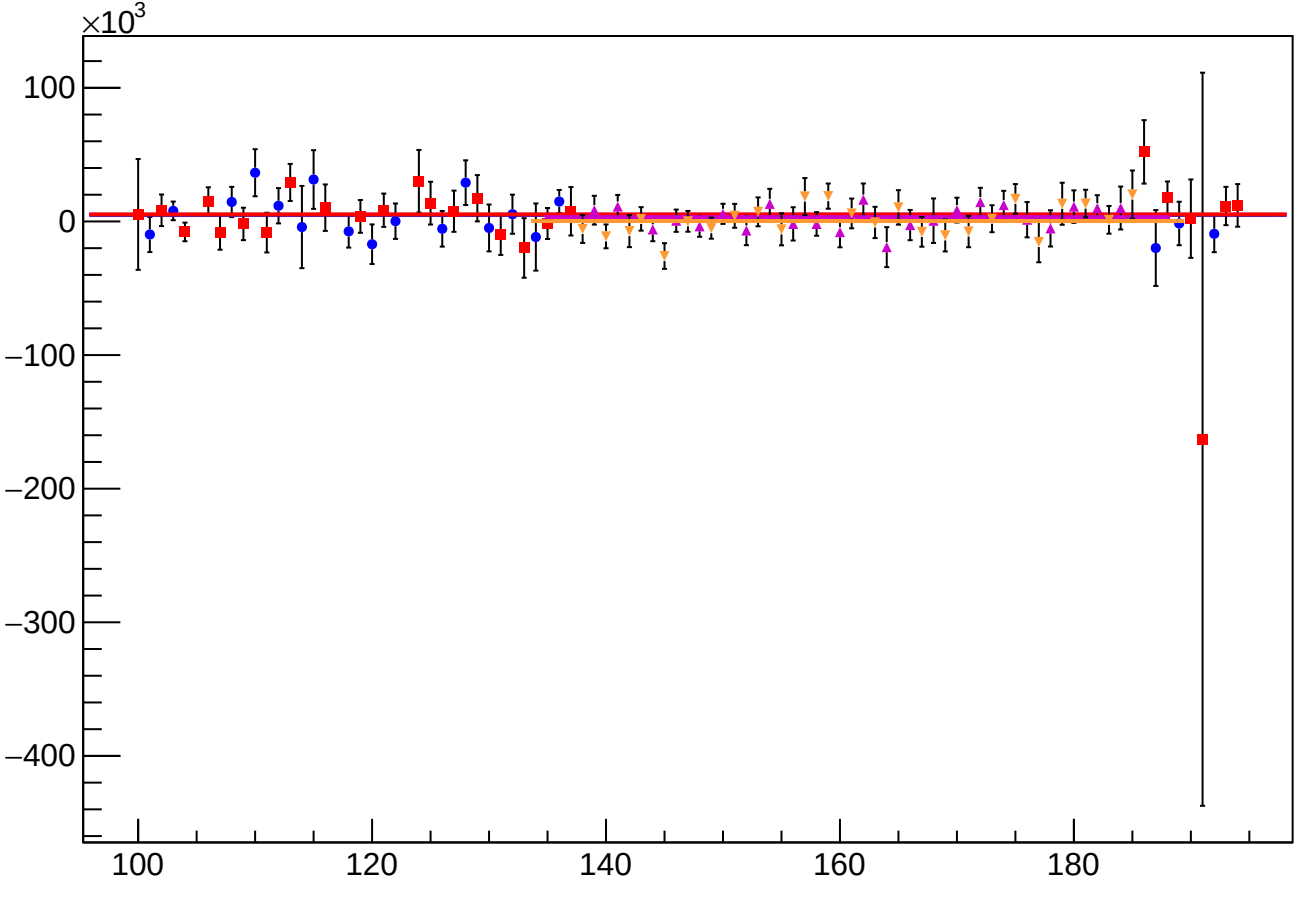
Right: 8575.315+/-1.414 χ^2/NDF: 3080794.8/43

In: 9032.417+/-1.252 χ^2/NDF:2092325.7/41

Out: 8854.000+/-1.172 χ^2/NDF:3325951.7/49

All: 8937.315+/-0.856 χ^2/NDF: 5429100.9/91

asym_atr2_mean vs Slug, Sign Corrected



Right In: 4936.460+/-3077.229 χ^2/NDF: 17.3/18

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: 5262.277+/-2830.877 χ^2/NDF: 20.1/24

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

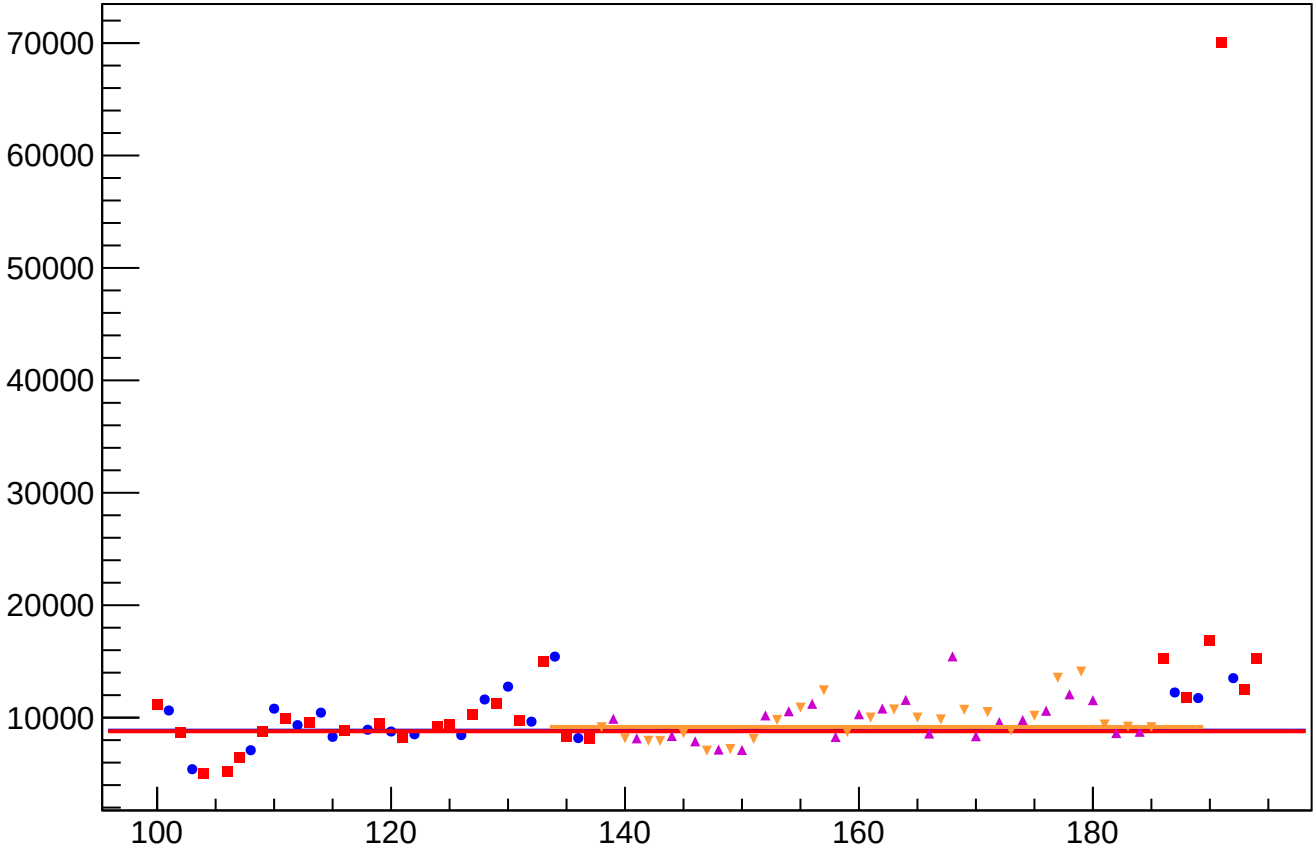
Right: 5112.931+/-2083.389 χ^2/NDF: 37.3/43

In: 3802.626+/-1778.768 χ^2/NDF:31.0/41

Out: 2085.643+/-1699.665 χ^2/NDF:48.4/49

All: 2905.109+/-1228.858 χ^2/NDF: 79.9/91

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8842.131+/-2.176 χ^2/NDF: 1239135.9/18

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 8789.485+/-2.002 χ^2/NDF: 2163244.1/24

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

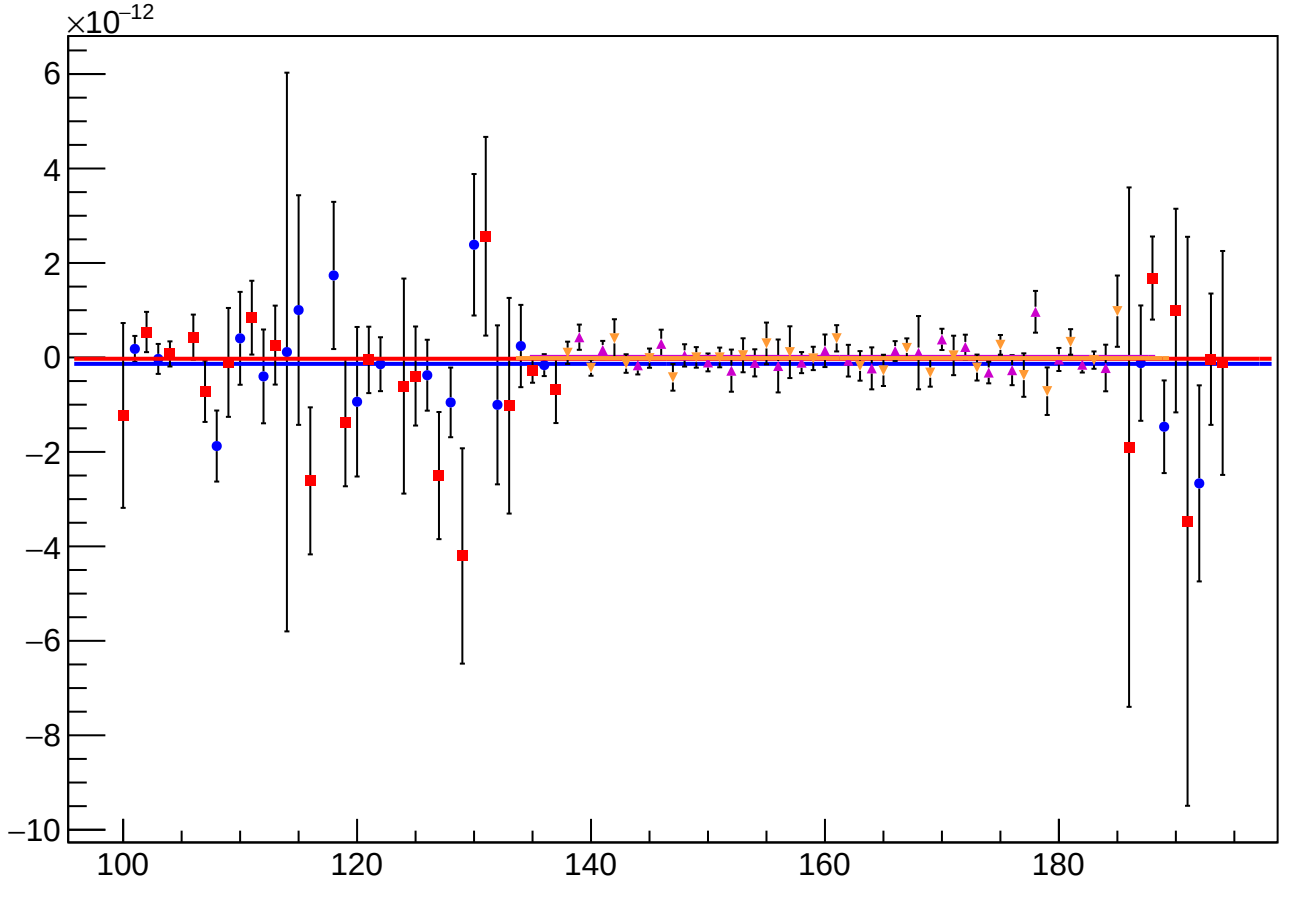
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 8813.616+/-1.473 χ^2/NDF: 3402697.1/43

In: 9055.305+/-1.258 χ^2/NDF:2381083.6/41

Out: 9034.634+/-1.202 χ^2/NDF:3243645.4/49

All: 9044.499+/-0.869 χ^2/NDF: 5624870.2/91



Right In: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/24

Left In: 0.000+/-0.000 χ^2/NDF:19.2/22

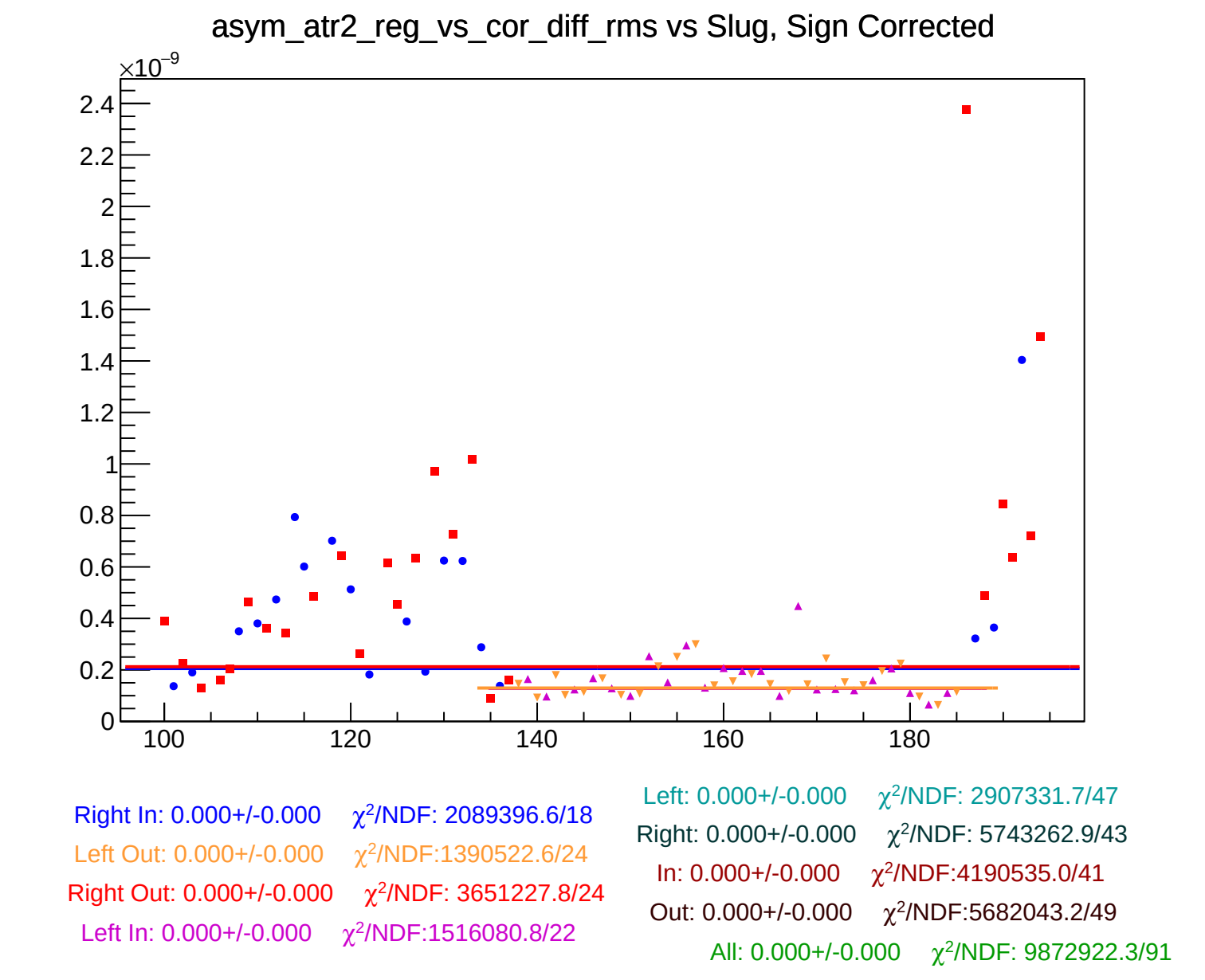
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 41.5/43

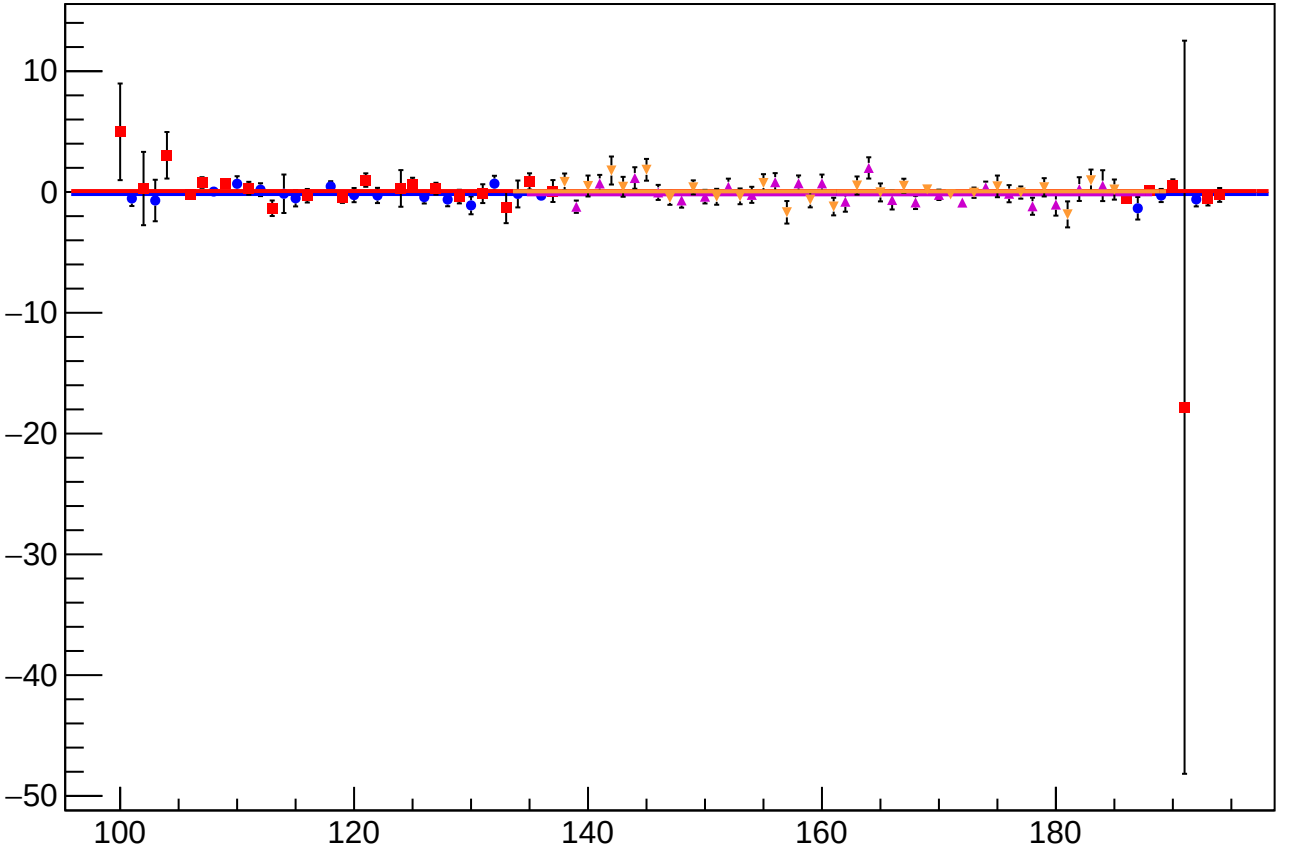
In: -0.000+/-0.000 χ^2/NDF:37.3/41

Out: -0.000+/-0.000 χ^2/NDF:43.6/49

All: -0.000+/-0.000 χ^2/NDF: 80.8/91


asym_atr2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 2089396.6/18
Left Out: 0.000+/-0.000 χ²/NDF:1390522.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 3651227.8/24
Left In: 0.000+/-0.000 χ²/NDF:1516080.8/22
Left: 0.000+/-0.000 χ²/NDF: 2907331.7/47
Right: 0.000+/-0.000 χ²/NDF: 5743262.9/43
In: 0.000+/-0.000 χ²/NDF:4190535.0/41
Out: 0.000+/-0.000 χ²/NDF:5682043.2/49
All: 0.000+/-0.000 χ²/NDF: 9872922.3/91

asym_atr2_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.170+/-0.135 χ^2/NDF: 12.1/18

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.077+/-0.104 χ^2/NDF: 30.8/24

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

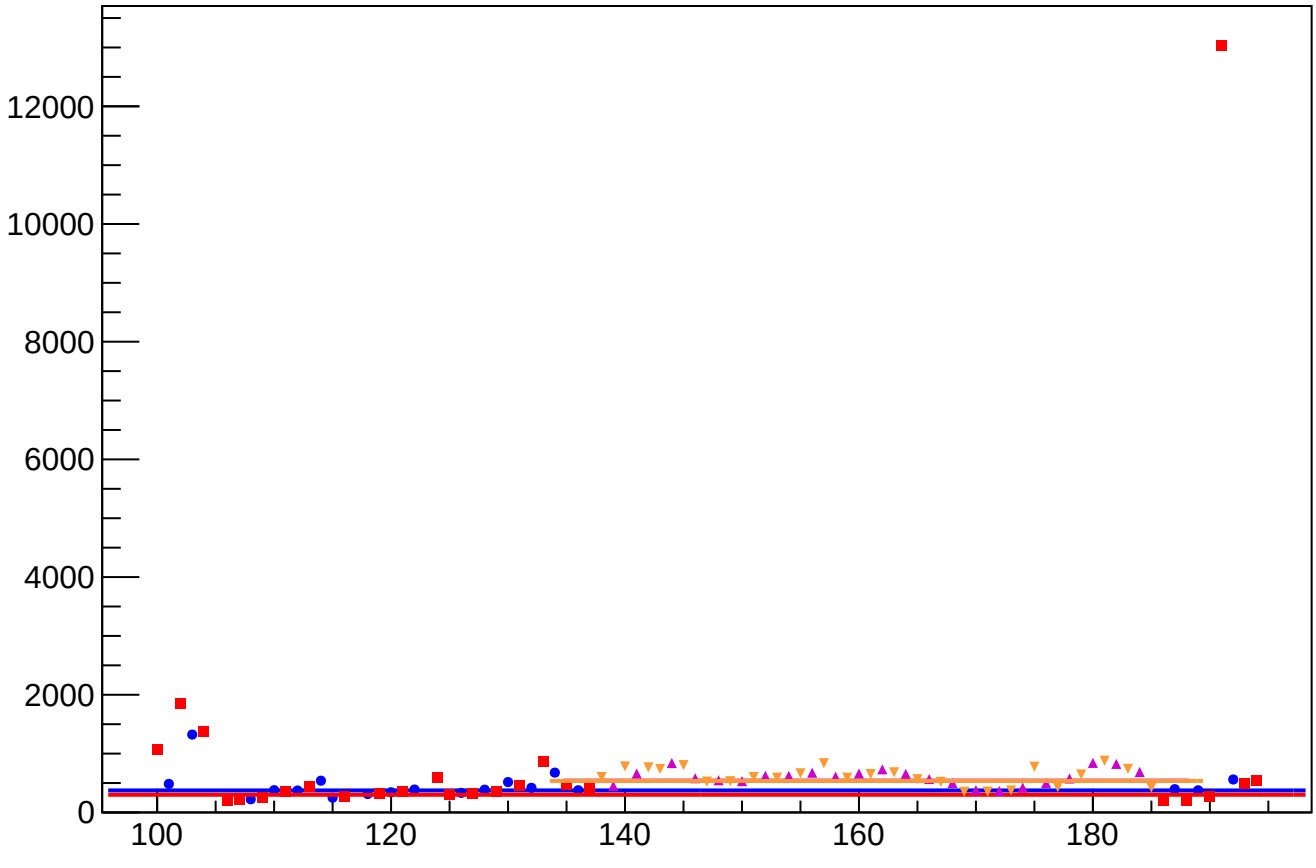
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.015+/-0.082 χ^2/NDF: 45.0/43

In: -0.180+/-0.095 χ^2/NDF:43.3/41

Out: 0.068+/-0.081 χ^2/NDF:55.5/49

All: -0.037+/-0.062 χ^2/NDF: 102.8/91



Right In: 374.160+/-0.095 χ^2/NDF: 1595661.0/18

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 300.510+/-0.074 χ^2/NDF: 3854372.3/24

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

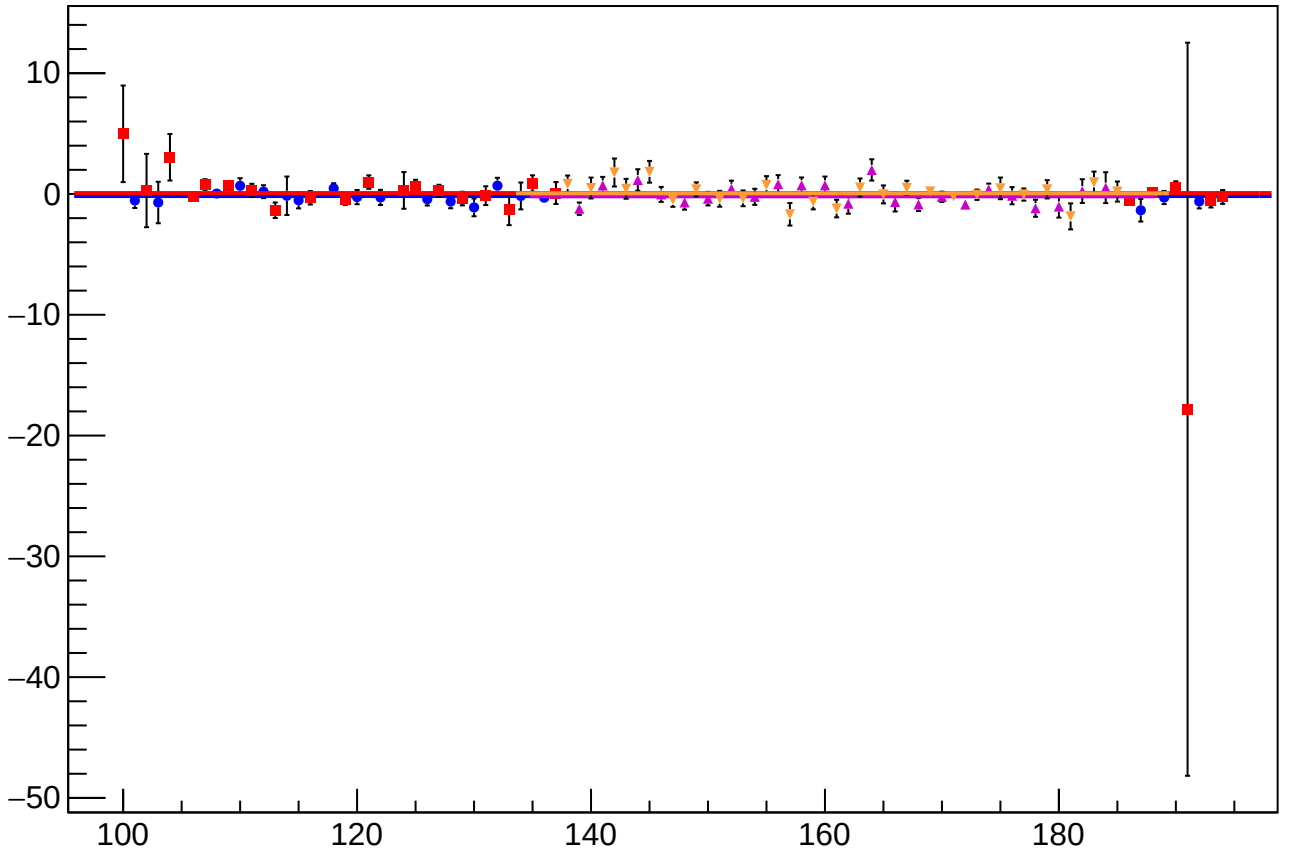
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 328.064+/-0.058 χ^2/NDF: 5825121.8/43

In: 458.360+/-0.067 χ^2/NDF:5050897.9/41

Out: 392.843+/-0.057 χ^2/NDF:10621964.5/49

All: 420.585+/-0.044 χ^2/NDF: 16225549.6/91



Right In: -0.170+/-0.135 χ^2/NDF: 12.1/18

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.077+/-0.104 χ^2/NDF: 30.8/24

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

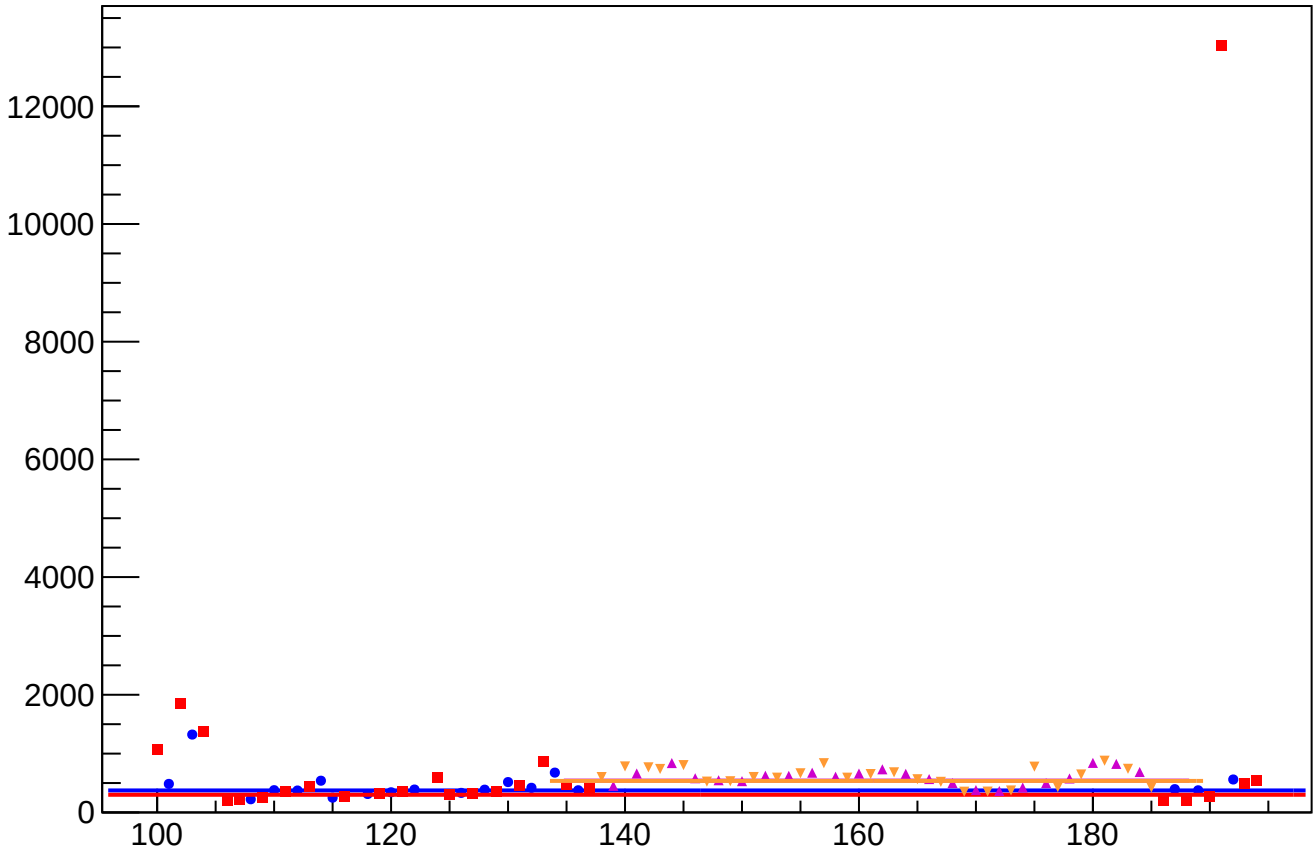
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.015+/-0.082 χ^2/NDF: 45.0/43

In: -0.180+/-0.095 χ^2/NDF:43.3/41

Out: 0.068+/-0.081 χ^2/NDF:55.5/49

All: -0.037+/-0.062 χ^2/NDF: 102.8/91



Right In: 374.160+/-0.095 χ^2/NDF: 1595661.0/18

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 300.510+/-0.074 χ^2/NDF: 3854372.3/24

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

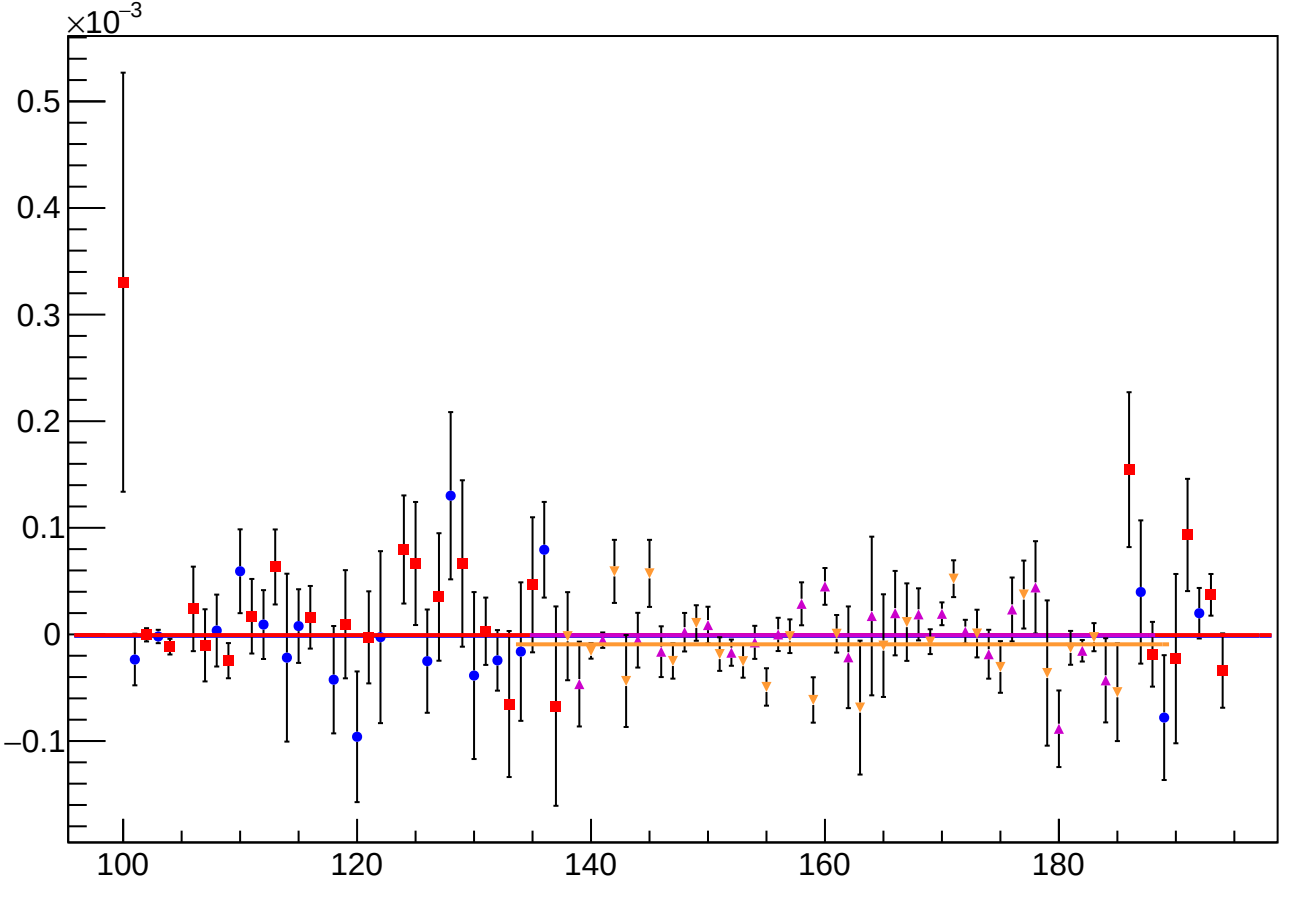
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 328.064+/-0.058 χ^2/NDF: 5825121.8/43

In: 458.360+/-0.067 χ^2/NDF:5050897.9/41

Out: 392.843+/-0.057 χ^2/NDF:10621964.5/49

All: 420.585+/-0.044 χ^2/NDF: 16225549.6/91



Right In: -0.000+/-0.000 χ^2/NDF: 16.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.3/24

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

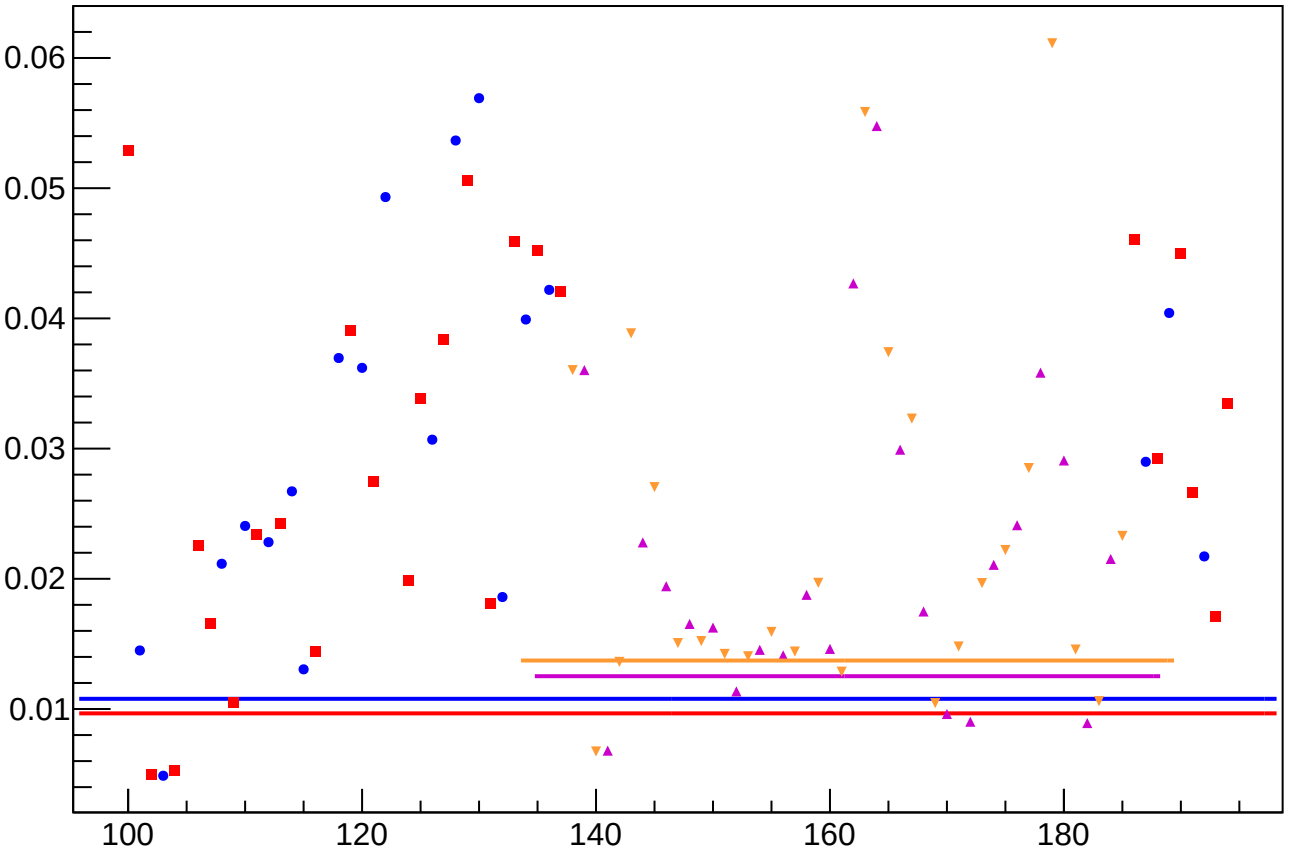
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 47.9/43

In: -0.000+/-0.000 χ^2/NDF:46.7/41

Out: -0.000+/-0.000 χ^2/NDF:79.0/49

All: -0.000+/-0.000 χ^2/NDF: 127.0/91



Right In: 0.011+/-0.000 χ^2/NDF: 8198033.4/18

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.010+/-0.000 χ^2/NDF: 10122600.0/24

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

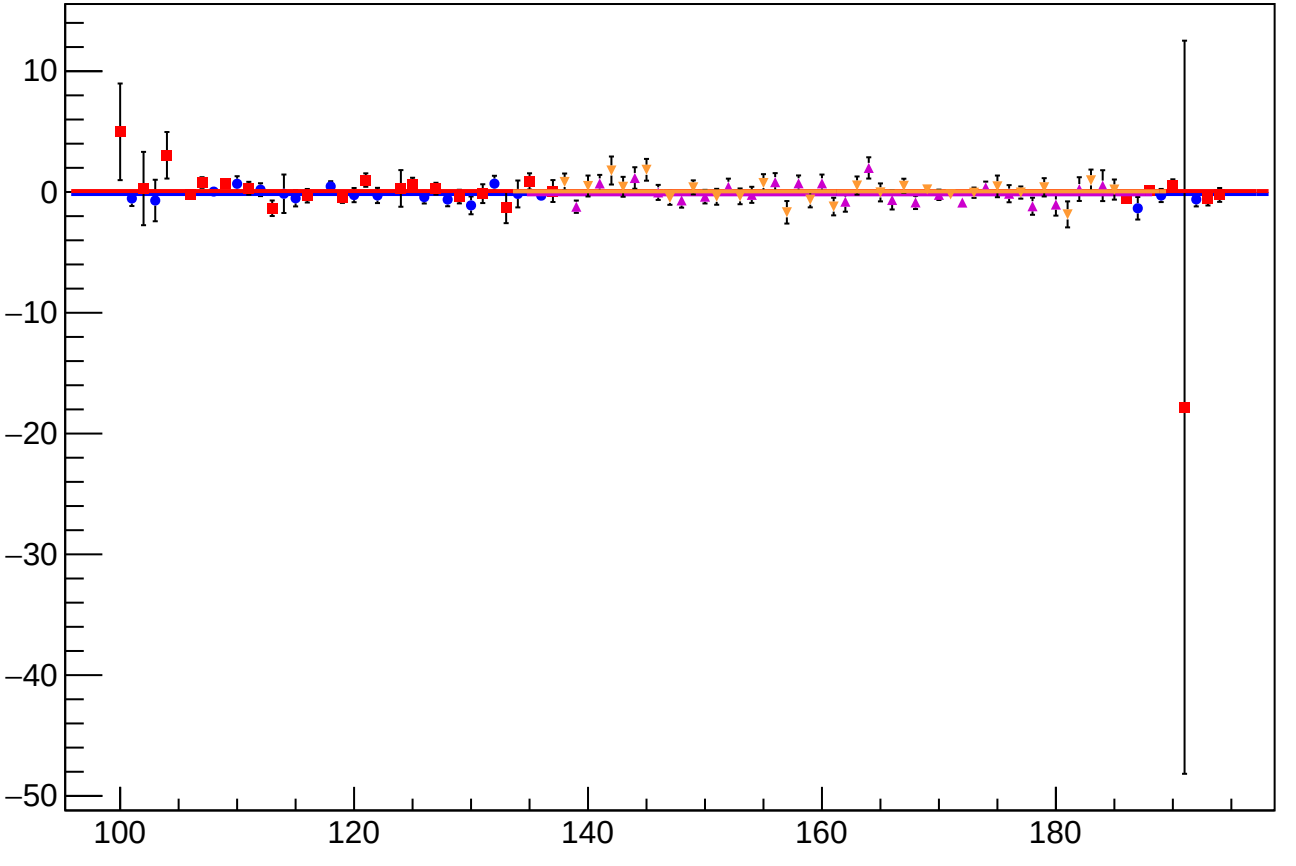
Right: 0.010+/-0.000 χ^2/NDF: 18377779.5/43

In: 0.012+/-0.000 χ^2/NDF:15473391.0/41

Out: 0.012+/-0.000 χ^2/NDF:18965308.7/49

All: 0.012+/-0.000 χ^2/NDF: 34439286.9/91

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.170+/-0.135 χ^2/NDF: 12.1/18

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.077+/-0.104 χ^2/NDF: 30.8/24

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

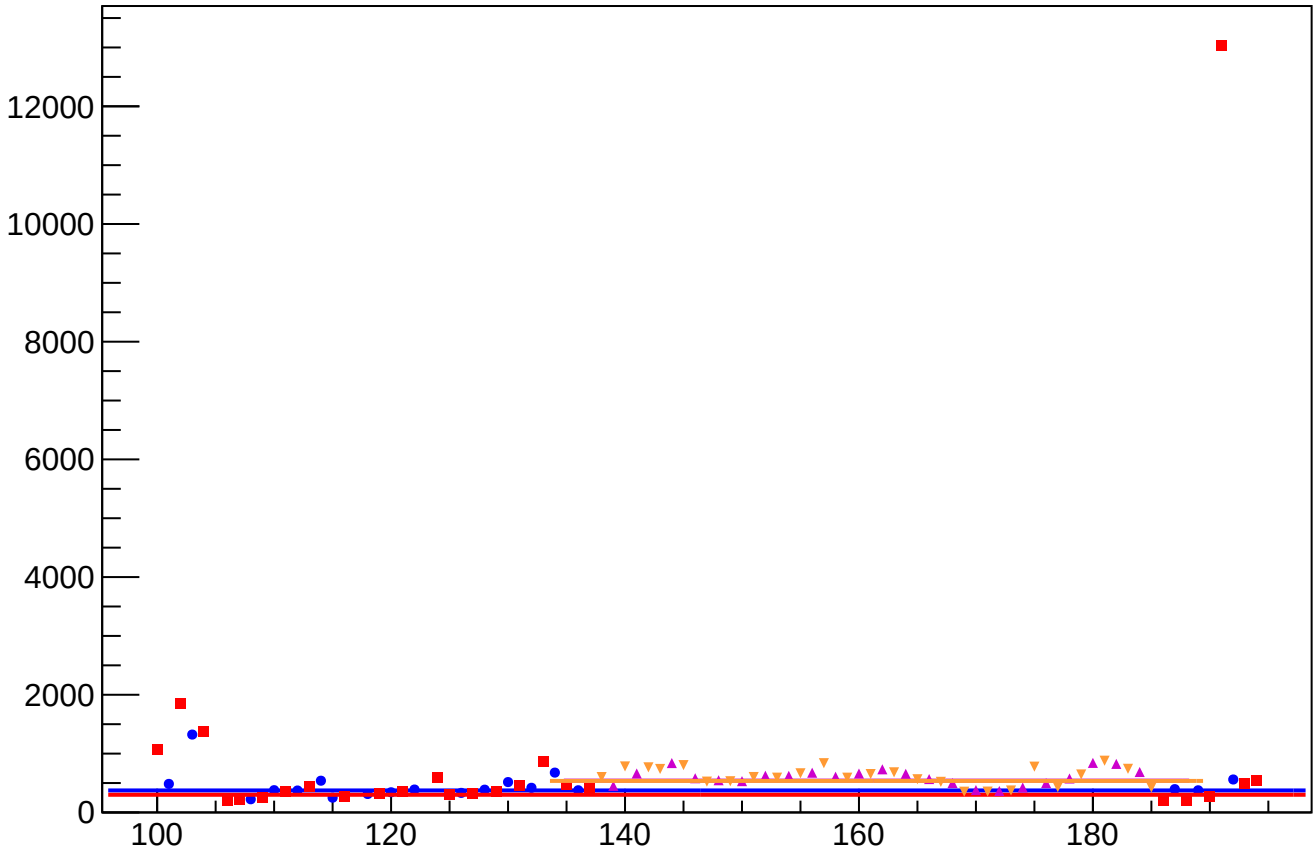
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.015+/-0.082 χ^2/NDF: 45.0/43

In: -0.180+/-0.095 χ^2/NDF:43.3/41

Out: 0.068+/-0.081 χ^2/NDF:55.5/49

All: -0.037+/-0.062 χ^2/NDF: 102.8/91



Right In: 374.156+/-0.095 χ^2/NDF: 1595663.1/18

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 300.510+/-0.074 χ^2/NDF: 3854314.4/24

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

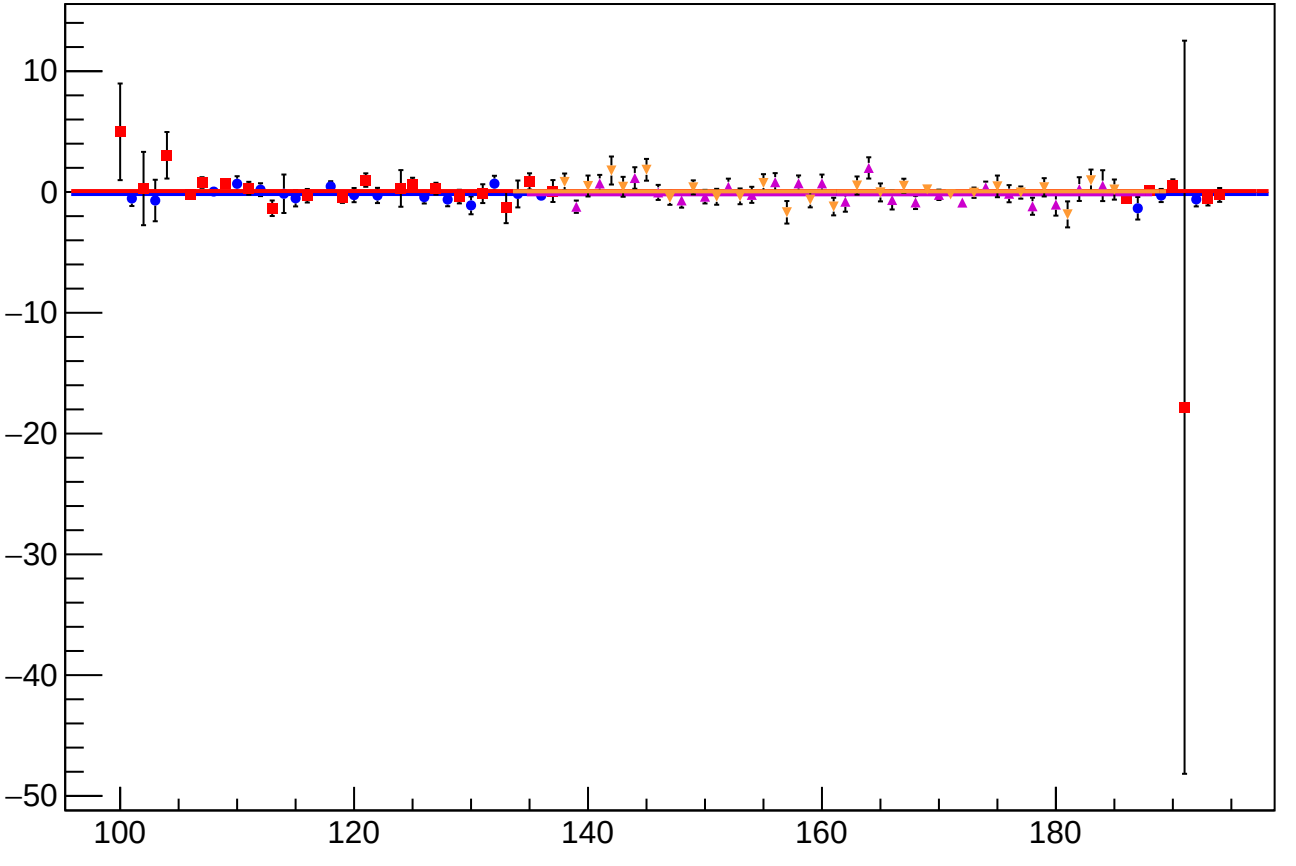
Right: 328.063+/-0.058 χ^2/NDF: 5825031.9/43

In: 458.359+/-0.067 χ^2/NDF:5051103.7/41

Out: 392.844+/-0.057 χ^2/NDF:10622100.8/49

All: 420.585+/-0.044 χ^2/NDF: 16225863.7/91

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.170+/-0.135 χ^2/NDF: 12.1/18

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.077+/-0.104 χ^2/NDF: 30.8/24

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

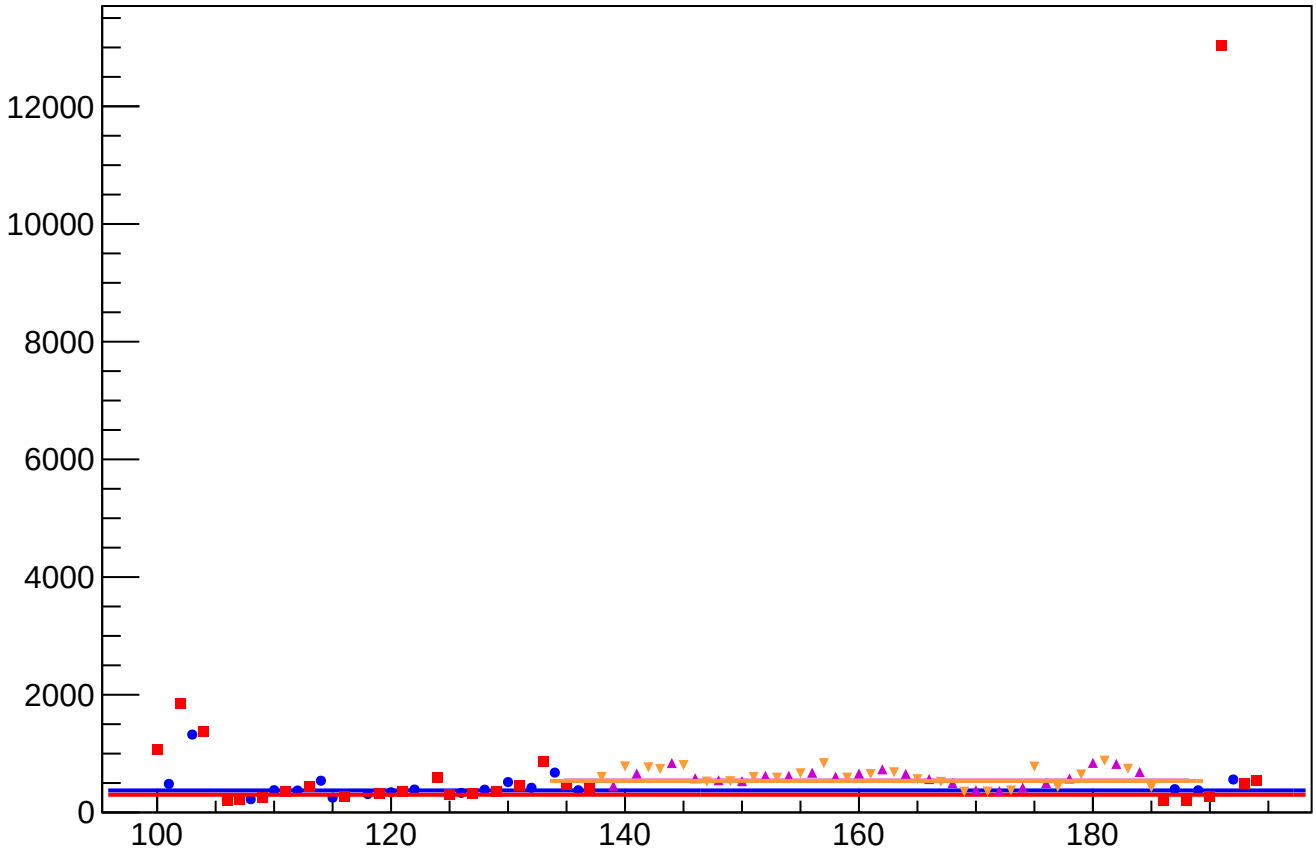
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.015+/-0.082 χ^2/NDF: 45.0/43

In: -0.180+/-0.095 χ^2/NDF:43.3/41

Out: 0.068+/-0.081 χ^2/NDF:55.5/49

All: -0.037+/-0.062 χ^2/NDF: 102.8/91



Right In: 374.156+/-0.095 χ^2/NDF: 1595663.1/18

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 300.510+/-0.074 χ^2/NDF: 3854314.4/24

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

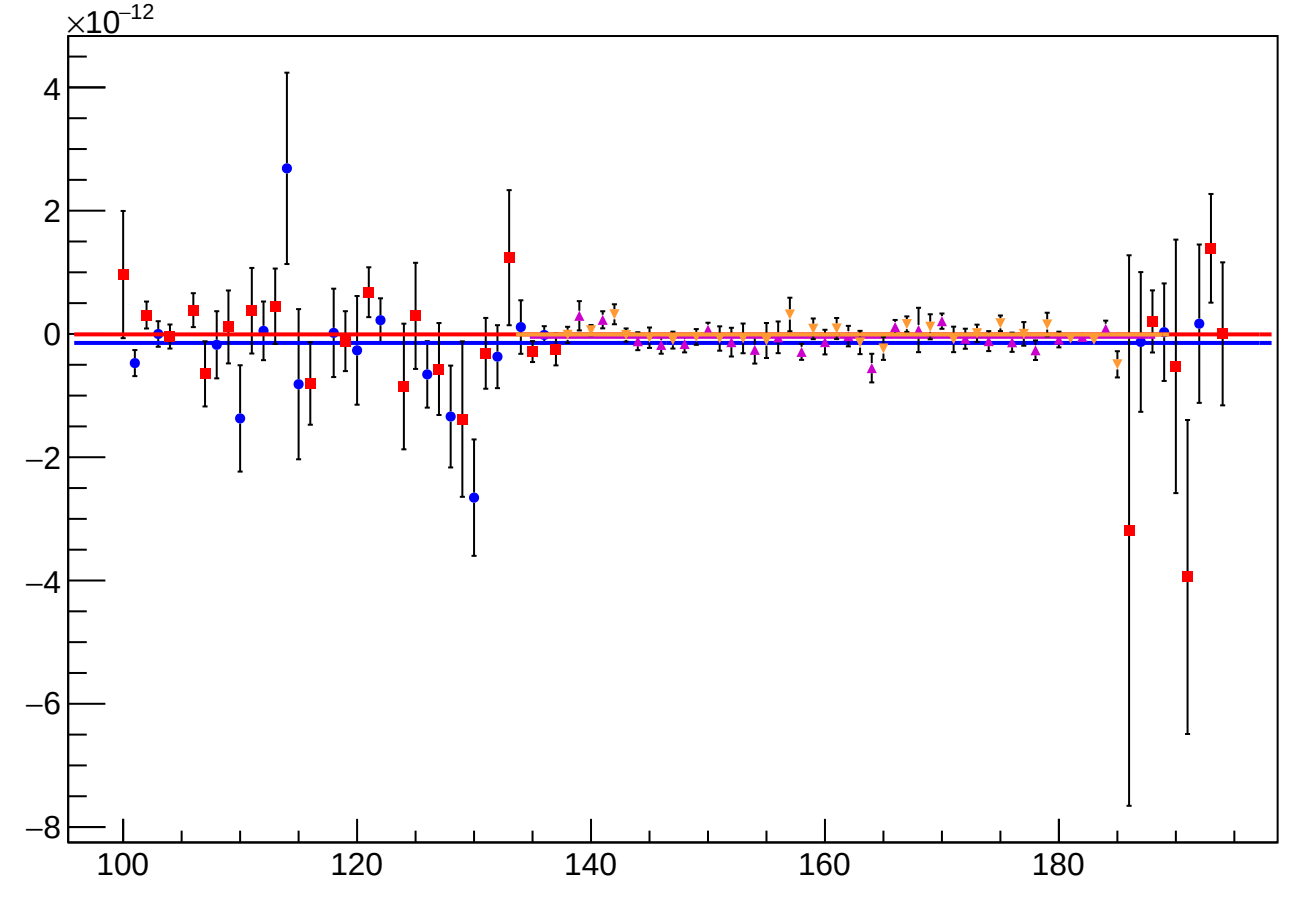
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

Right: 328.063+/-0.058 χ^2/NDF: 5825031.9/43

In: 458.359+/-0.067 χ^2/NDF:5051103.7/41

Out: 392.844+/-0.057 χ^2/NDF:10622100.8/49

All: 420.585+/-0.044 χ^2/NDF: 16225863.7/91



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/24

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

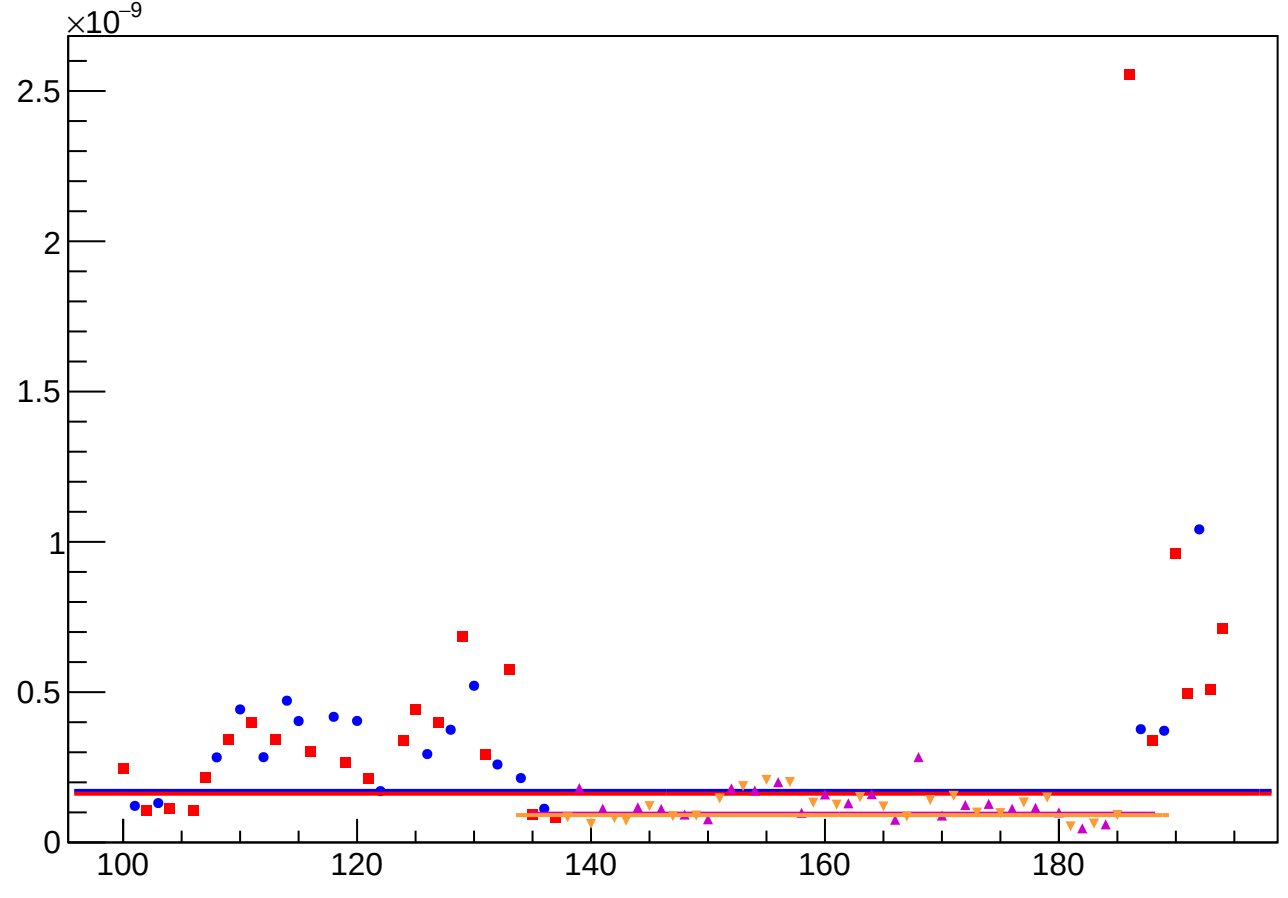
Left: -0.000+/-0.000 χ^2/NDF: 51.1/47

Right: -0.000+/-0.000 χ^2/NDF: 47.8/43

In: -0.000+/-0.000 χ^2/NDF:50.7/41

Out: -0.000+/-0.000 χ^2/NDF:47.2/49

All: -0.000+/-0.000 χ^2/NDF: 99.5/91



Right In: 0.000+/-0.000 χ^2/NDF: 3137849.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4810978.1/24

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

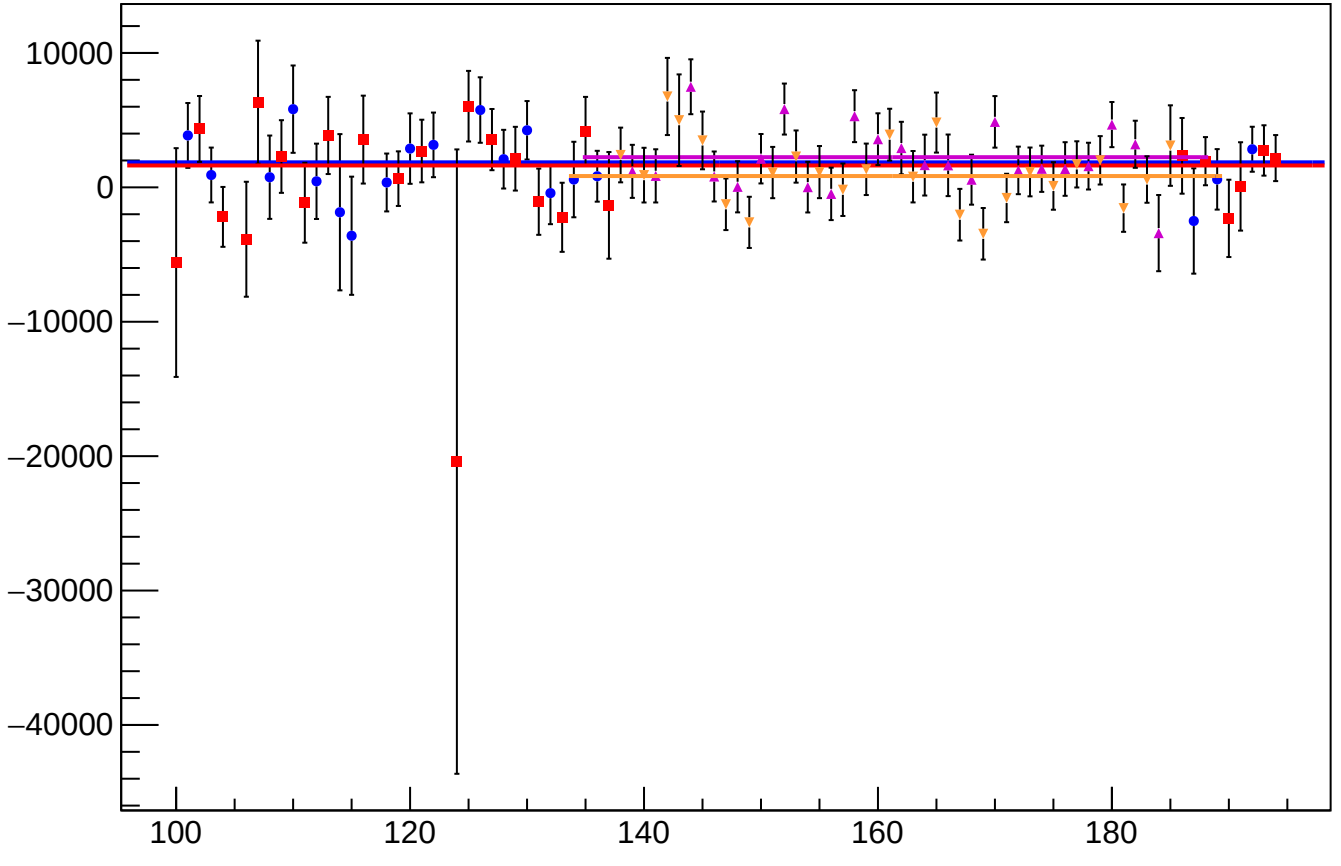
Right: 0.000+/-0.000 χ^2/NDF: 7961245.2/43

In: 0.000+/-0.000 χ^2/NDF:8427210.6/41

Out: 0.000+/-0.000 χ^2/NDF:9542144.5/49

All: 0.000+/-0.000 χ^2/NDF: 18007896.5/91

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1861.304+/-562.887 χ^2/NDF: 12.8/18

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: 1628.951+/-519.791 χ^2/NDF: 22.1/24

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

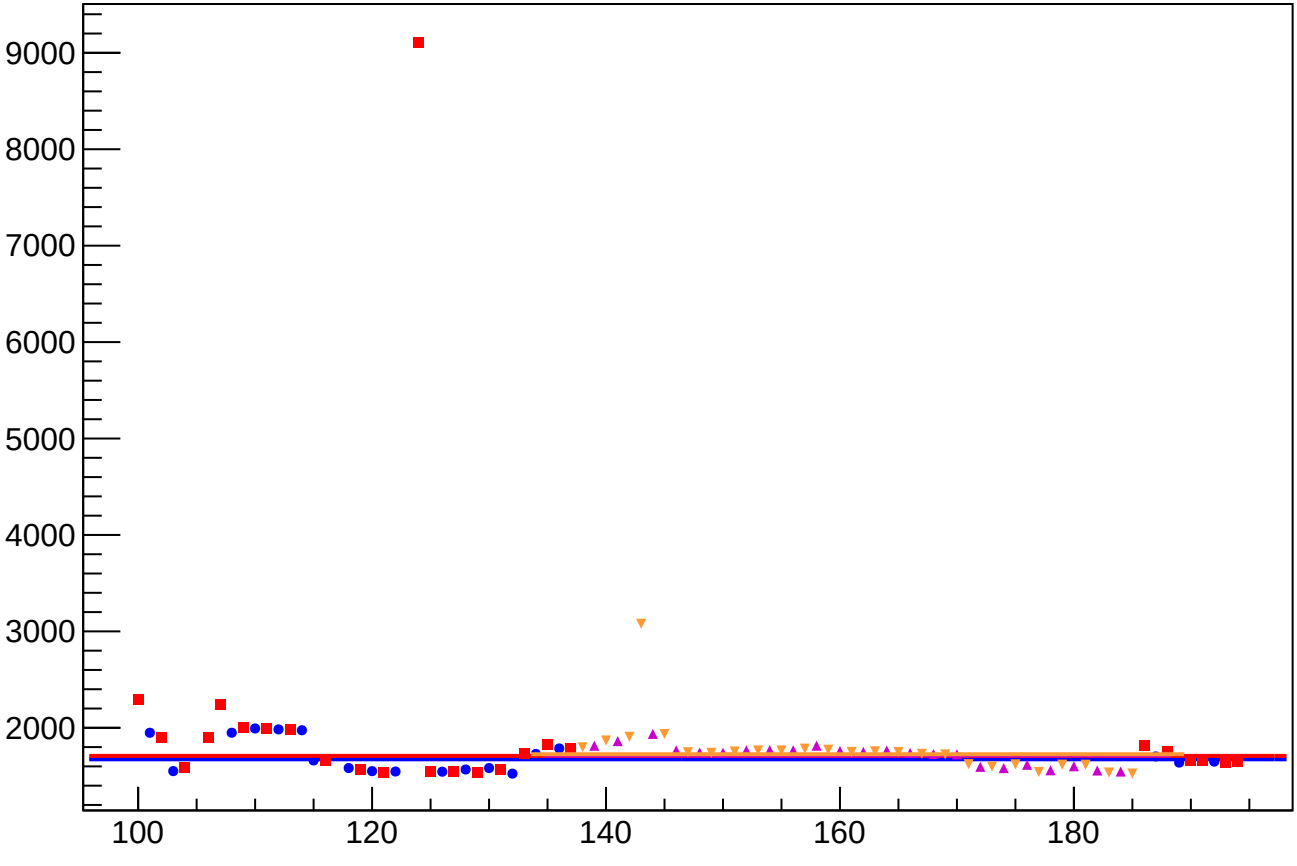
Right: 1735.893+/-381.875 χ^2/NDF: 34.9/43

In: 2115.959+/-326.465 χ^2/NDF:42.5/41

Out: 1129.300+/-314.215 χ^2/NDF:53.9/49

All: 1603.772+/-226.391 χ^2/NDF: 101.2/91

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1673.323+/-0.398 χ^2/NDF: 142597.2/18

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1708.712+/-0.366 χ^2/NDF: 393735.1/24

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

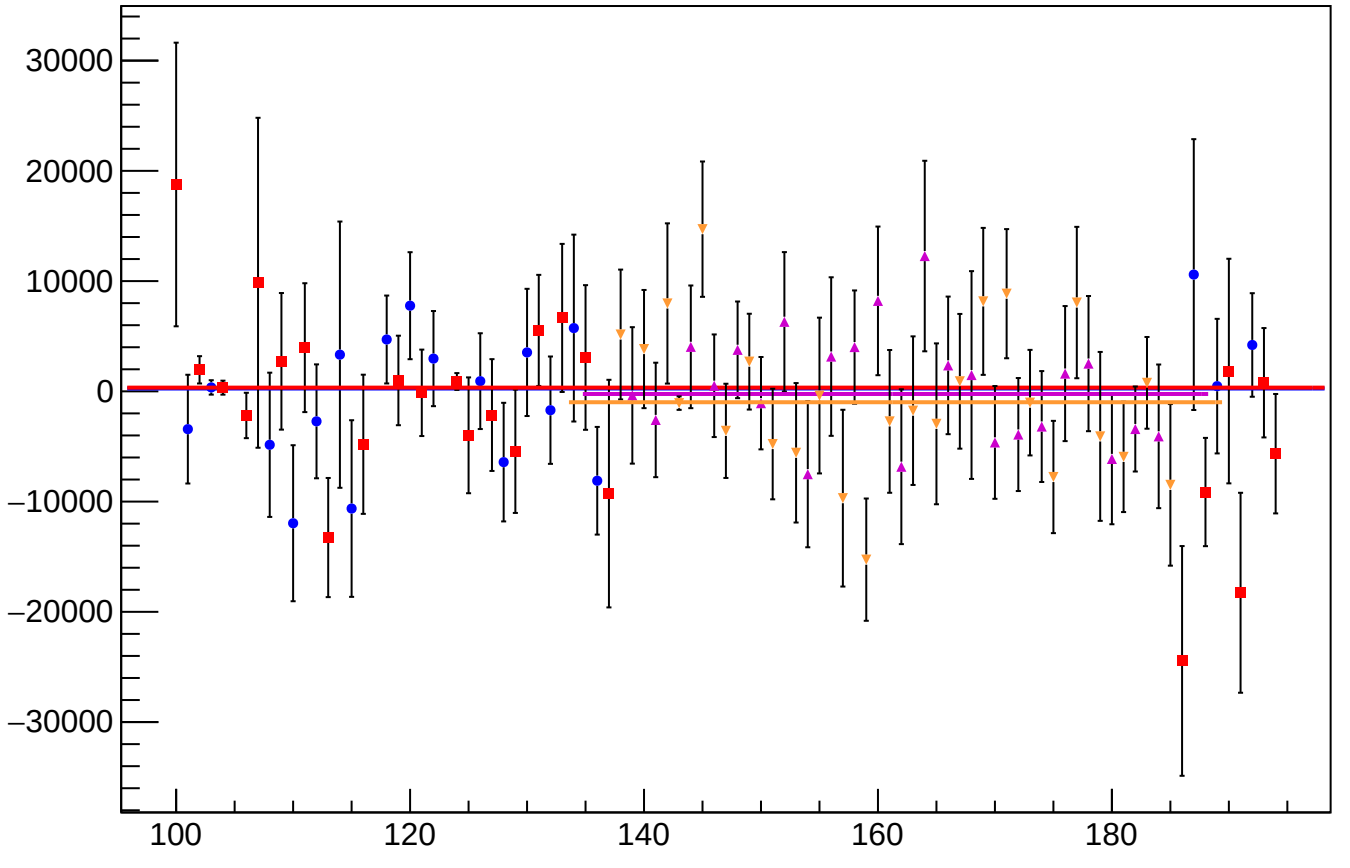
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1692.479+/-0.270 χ^2/NDF: 540611.6/43

In: 1699.757+/-0.231 χ^2/NDF:278534.3/41

Out: 1719.695+/-0.222 χ^2/NDF:850084.8/49

All: 1710.118+/-0.160 χ^2/NDF: 1132495.8/91



Right In: 256.952+/-583.613 χ^2/NDF: 17.3/18

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: 337.209+/-419.251 χ^2/NDF: 33.6/24

Left In: -239.582+/-1165.046 χ^2/NDF:13.5/22

Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

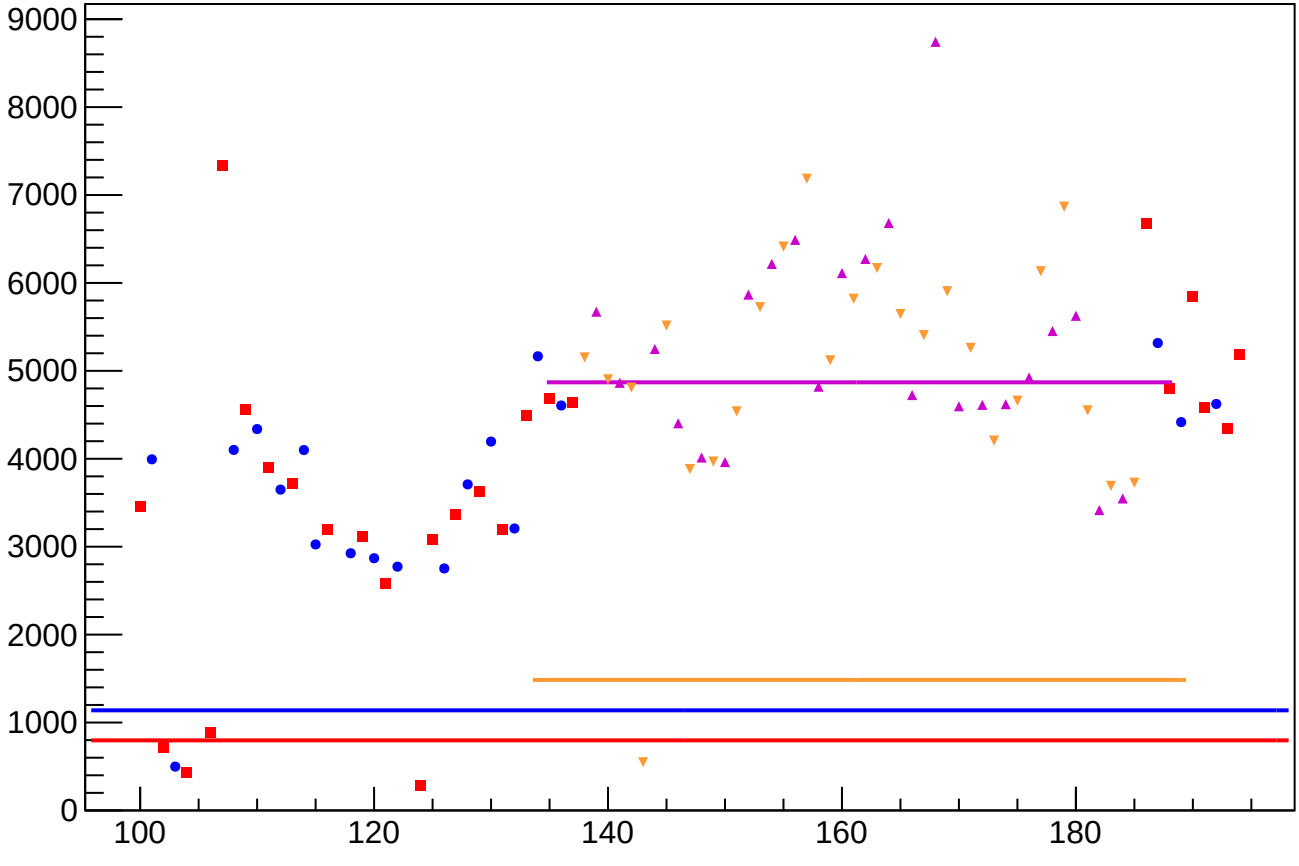
Right: 309.890+/-340.500 χ^2/NDF: 50.9/43

In: 157.348+/-521.804 χ^2/NDF:31.0/41

Out: -159.604+/-331.447 χ^2/NDF:68.1/49

All: -68.486+/-279.777 χ^2/NDF: 99.4/91

asym_atl_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1138.901+/-0.413 χ^2/NDF: 10073646.3/18

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 797.112+/-0.296 χ^2/NDF: 13903660.7/24

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

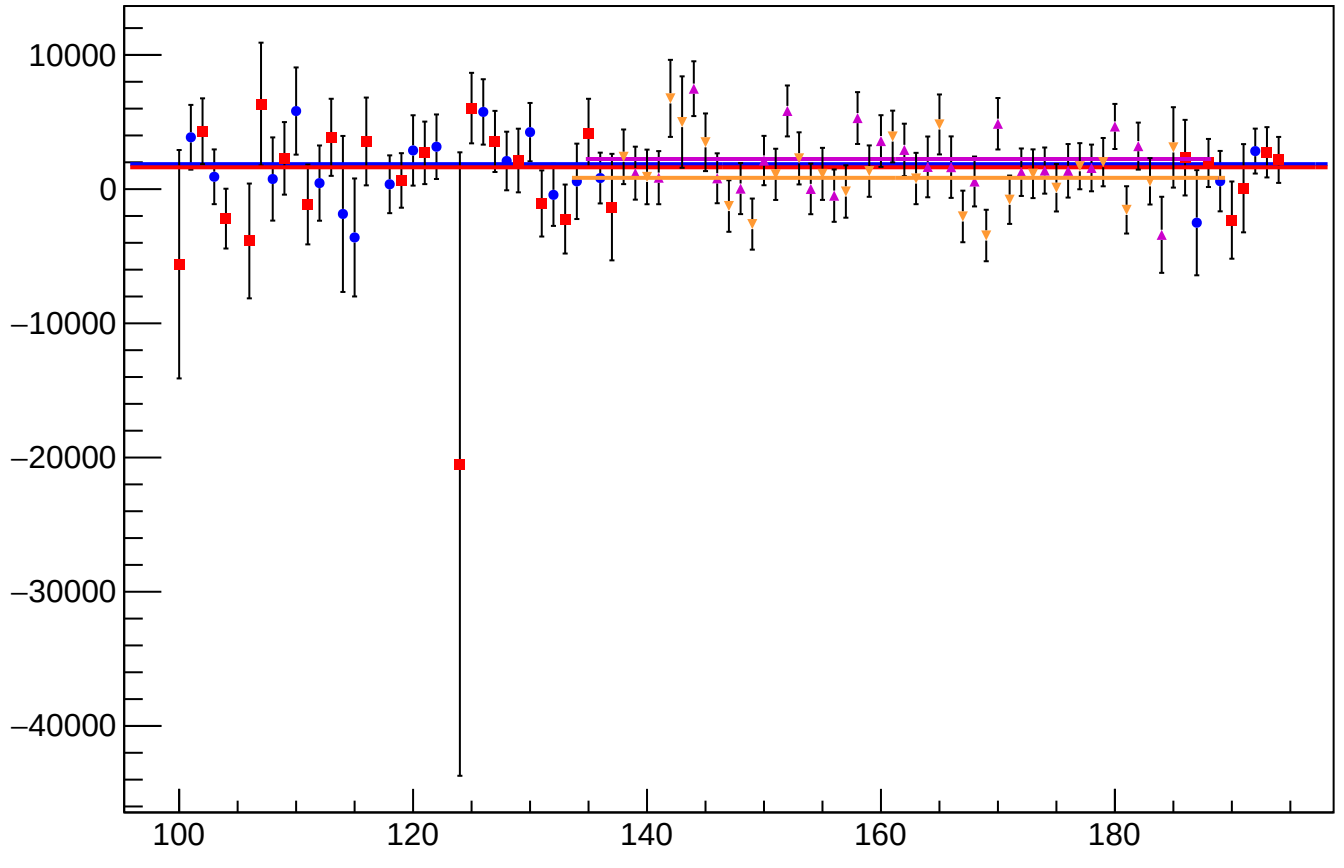
Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

Right: 913.455+/-0.241 χ^2/NDF: 24429768.8/43

In: 1887.296+/-0.369 χ^2/NDF:27942959.7/41

Out: 1054.907+/-0.234 χ^2/NDF:39145103.8/49

All: 1294.203+/-0.198 χ^2/NDF: 70714367.0/9



Right In: 1861.418+/-562.887 χ^2/NDF: 12.8/18

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1627.308+/-519.793 χ^2/NDF: 22.0/24

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

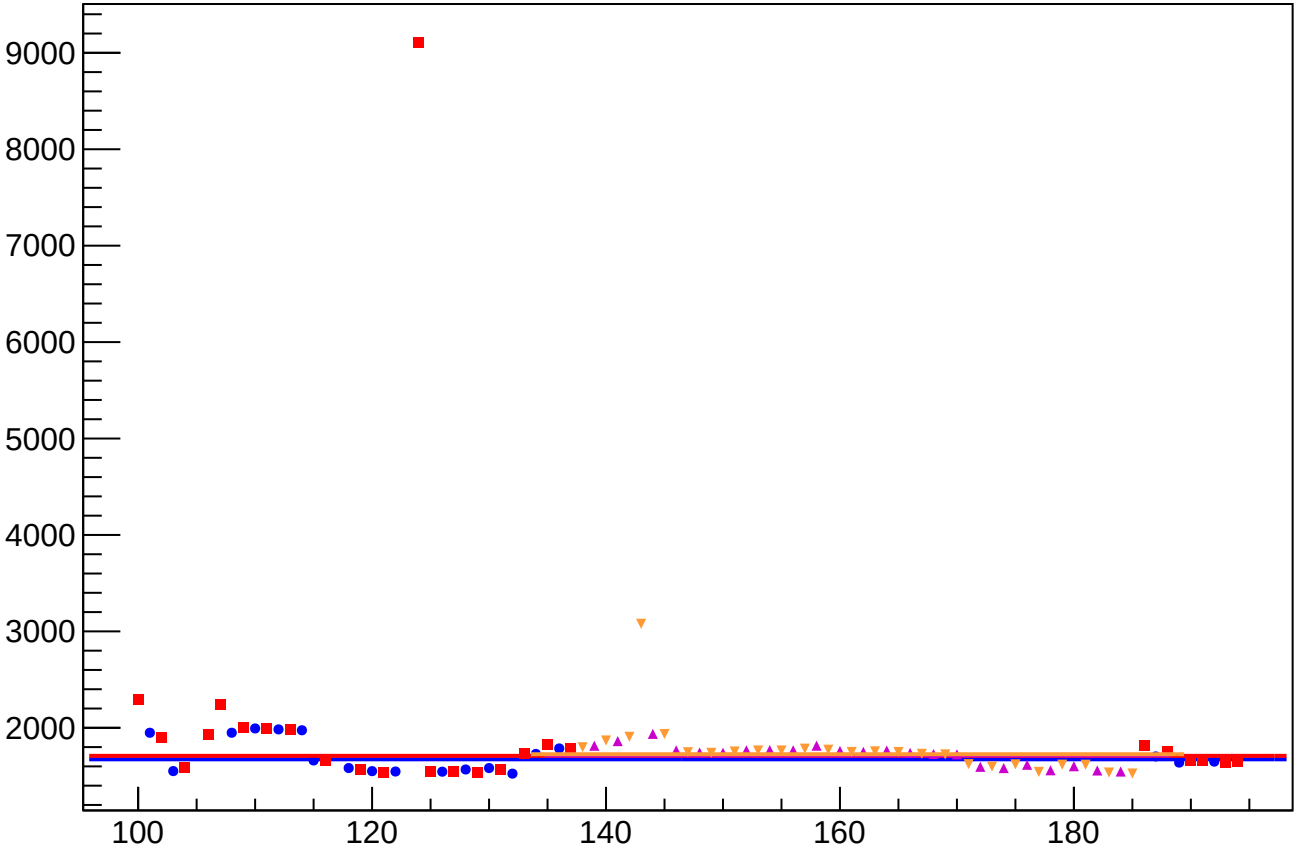
Right: 1735.060+/-381.876 χ^2/NDF: 34.9/43

In: 2116.011+/-326.465 χ^2/NDF:42.5/41

Out: 1128.692+/-314.216 χ^2/NDF:53.9/49

All: 1603.482+/-226.391 χ^2/NDF: 101.1/91

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1673.323+/-0.398 χ^2/NDF: 142597.3/18

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1709.254+/-0.367 χ^2/NDF: 395557.2/24

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

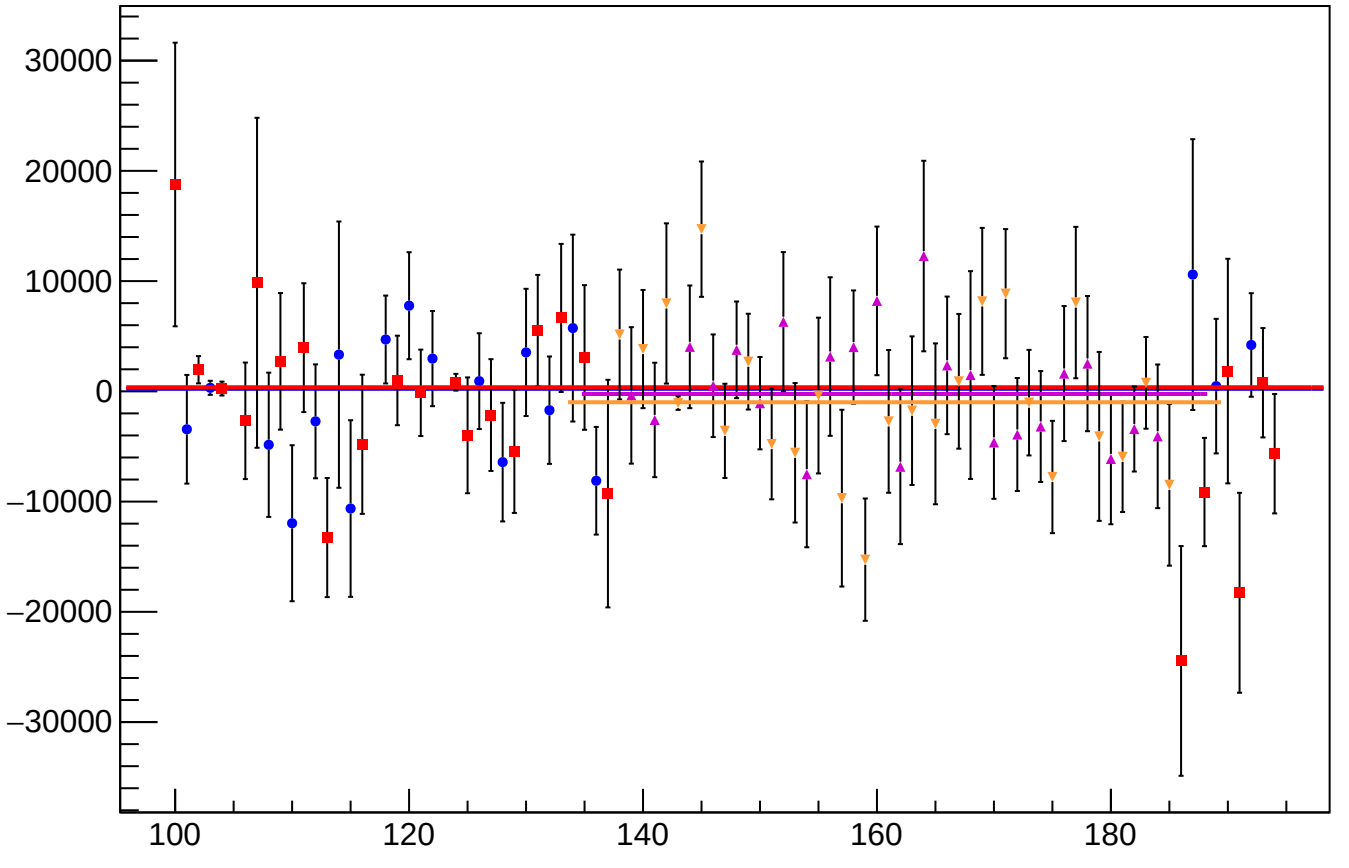
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1692.766+/-0.270 χ^2/NDF: 542564.5/43

In: 1699.757+/-0.231 χ^2/NDF:278534.4/41

Out: 1719.896+/-0.222 χ^2/NDF:851819.1/49

All: 1710.221+/-0.160 χ^2/NDF: 1134308.4/91



Right In: 232.242+/-571.842 χ^2/NDF: 17.3/18

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 371.551+/-424.862 χ^2/NDF: 32.3/24

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

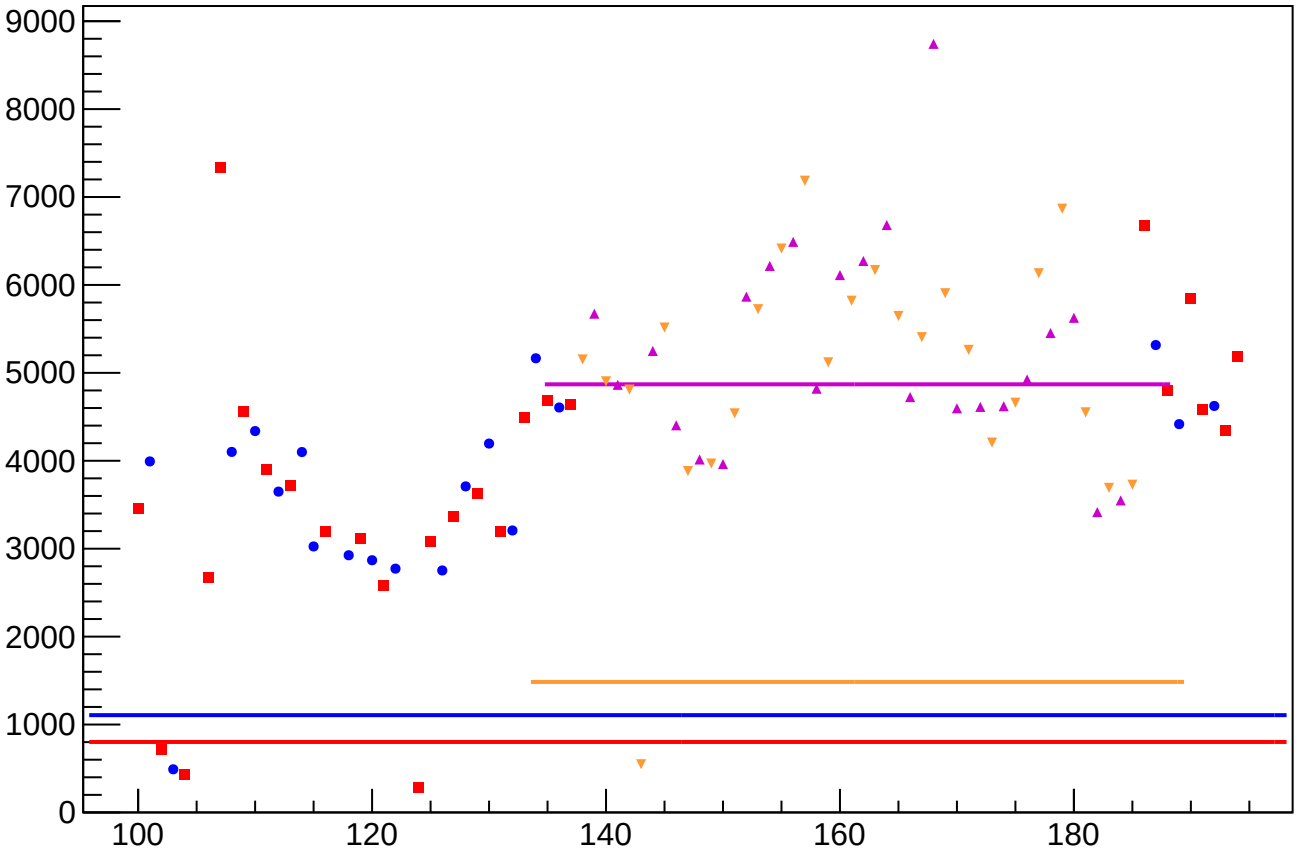
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 322.003+/-341.037 χ^2/NDF: 49.6/43

In: 140.661+/-513.340 χ^2/NDF:30.9/41

Out: -146.532+/-334.194 χ^2/NDF:67.0/49

All: -61.044+/-280.072 χ^2/NDF: 98.2/91



Right In: 1106.802+/-0.404 χ^2/NDF: 10218848.7/18

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 801.749+/-0.300 χ^2/NDF: 14174606.5/24

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

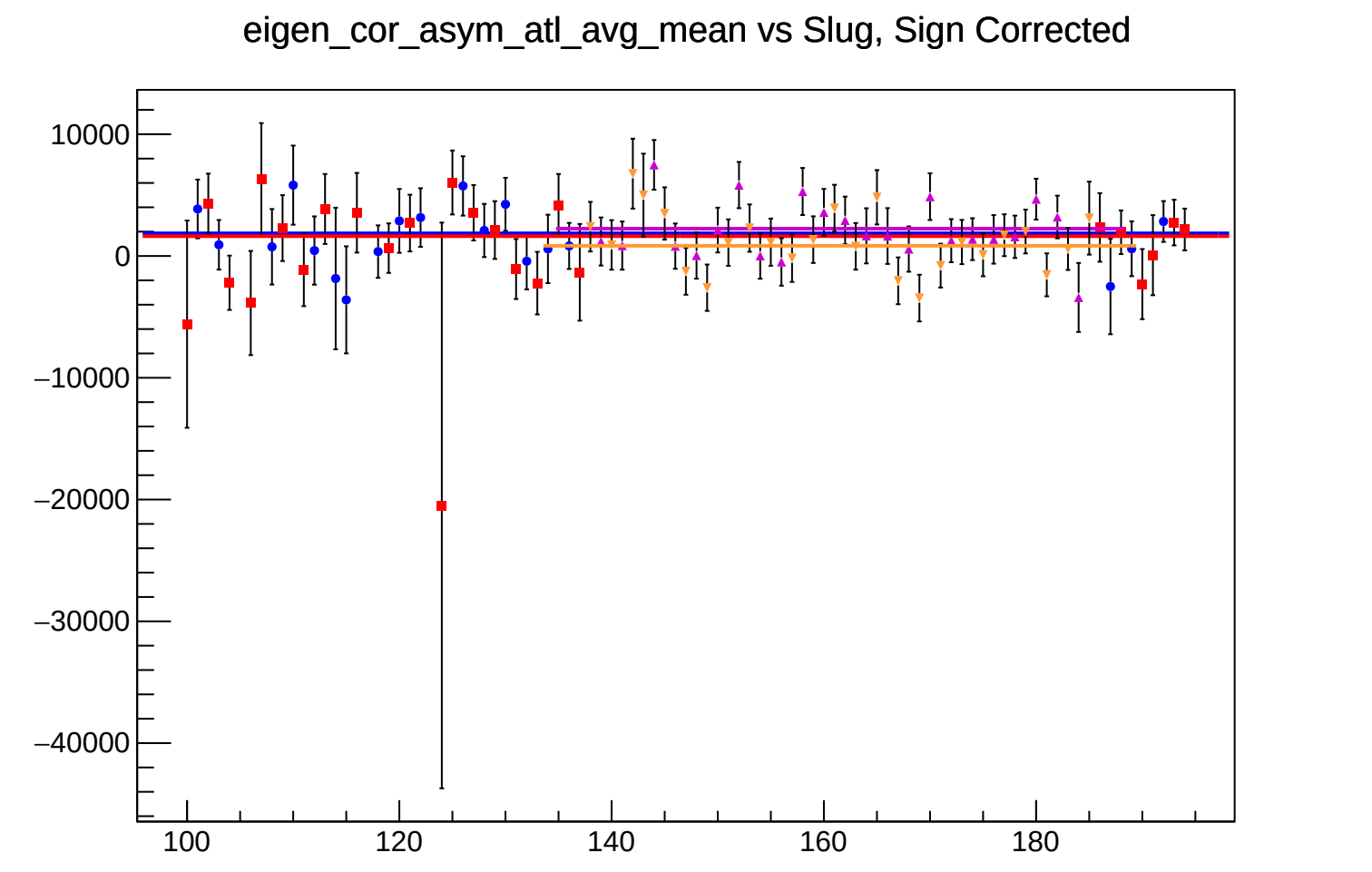
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 910.248+/-0.241 χ^2/NDF: 24760175.8/43

In: 1837.347+/-0.363 χ^2/NDF:28506157.0/41

Out: 1062.055+/-0.236 χ^2/NDF:39369288.2/49

All: 1292.834+/-0.198 χ^2/NDF: 71079455.8/9



Right In: 1861.418+/-562.887 χ^2/NDF: 12.8/18

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1627.308+/-519.793 χ^2/NDF: 22.0/24

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

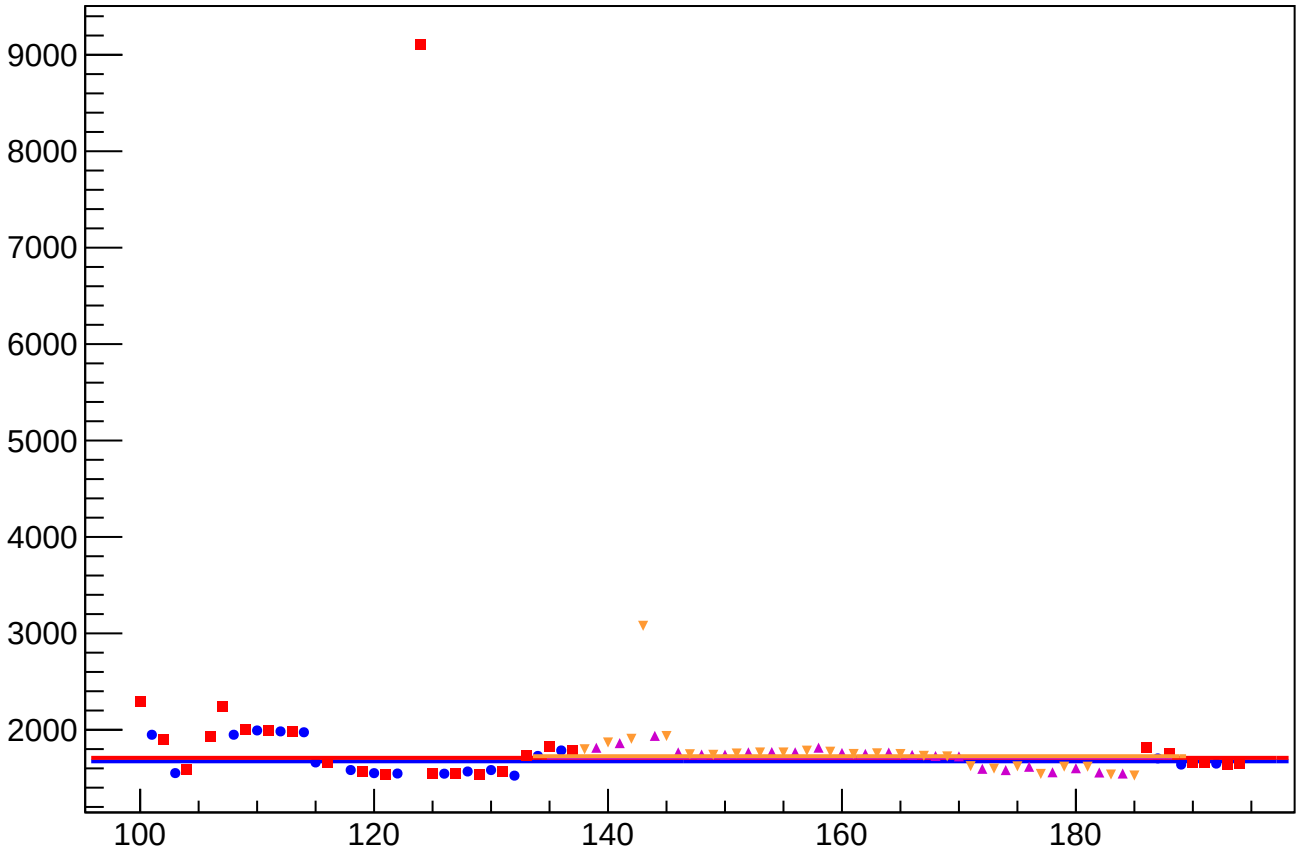
Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

Right: 1735.060+/-381.876 χ^2/NDF: 34.9/43

In: 2116.011+/-326.465 χ^2/NDF:42.5/41

Out: 1128.692+/-314.216 χ^2/NDF:53.9/49

All: 1603.482+/-226.391 χ^2/NDF: 101.1/91



Right In: 1673.323+/-0.398 χ^2/NDF: 142597.3/18

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1709.254+/-0.367 χ^2/NDF: 395557.2/24

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

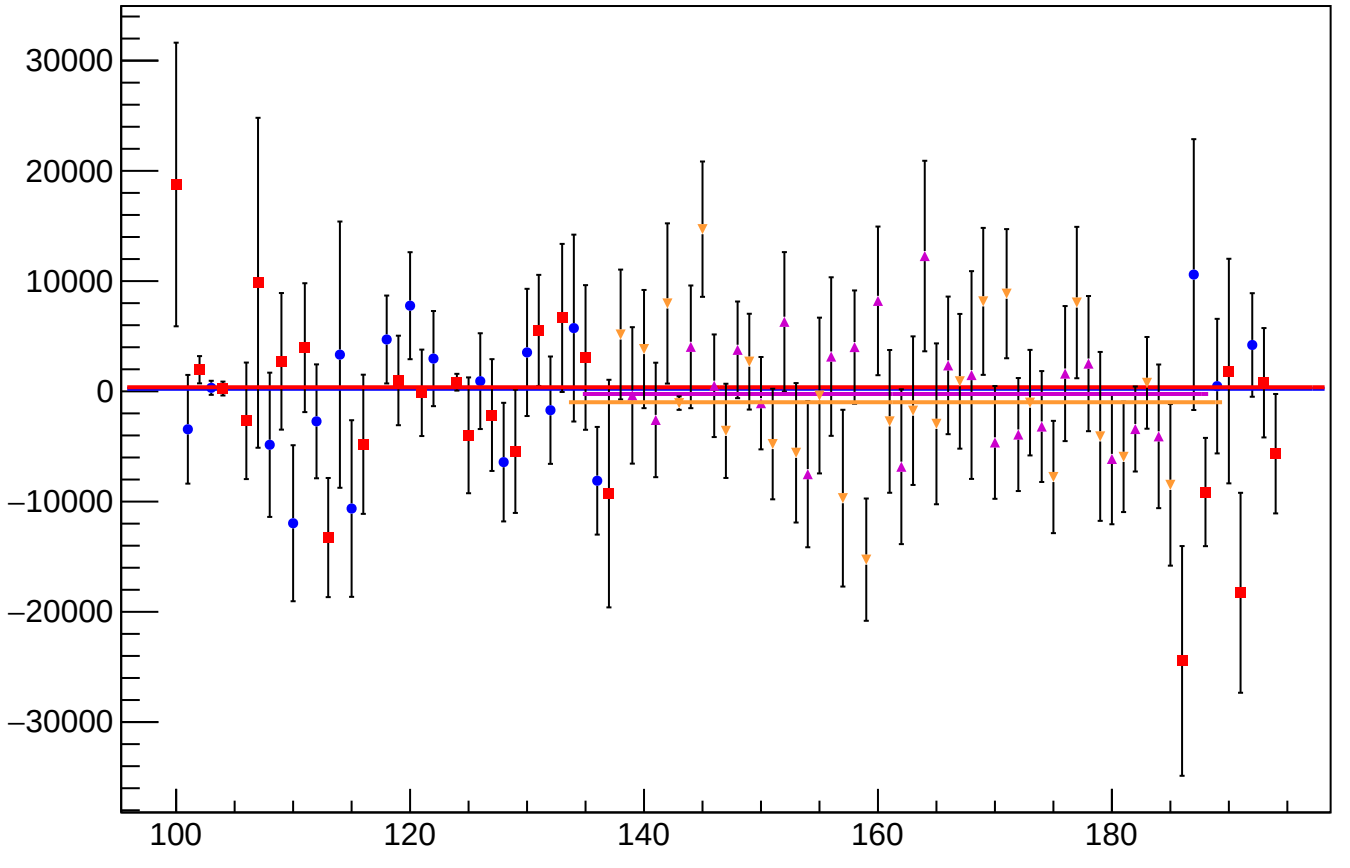
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1692.766+/-0.270 χ^2/NDF: 542564.5/43

In: 1699.757+/-0.231 χ^2/NDF:278534.4/41

Out: 1719.896+/-0.222 χ^2/NDF:851819.1/49

All: 1710.221+/-0.160 χ^2/NDF: 1134308.4/91



Right In: 232.242+/-571.842 χ^2/NDF: 17.3/18

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 371.551+/-424.862 χ^2/NDF: 32.3/24

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

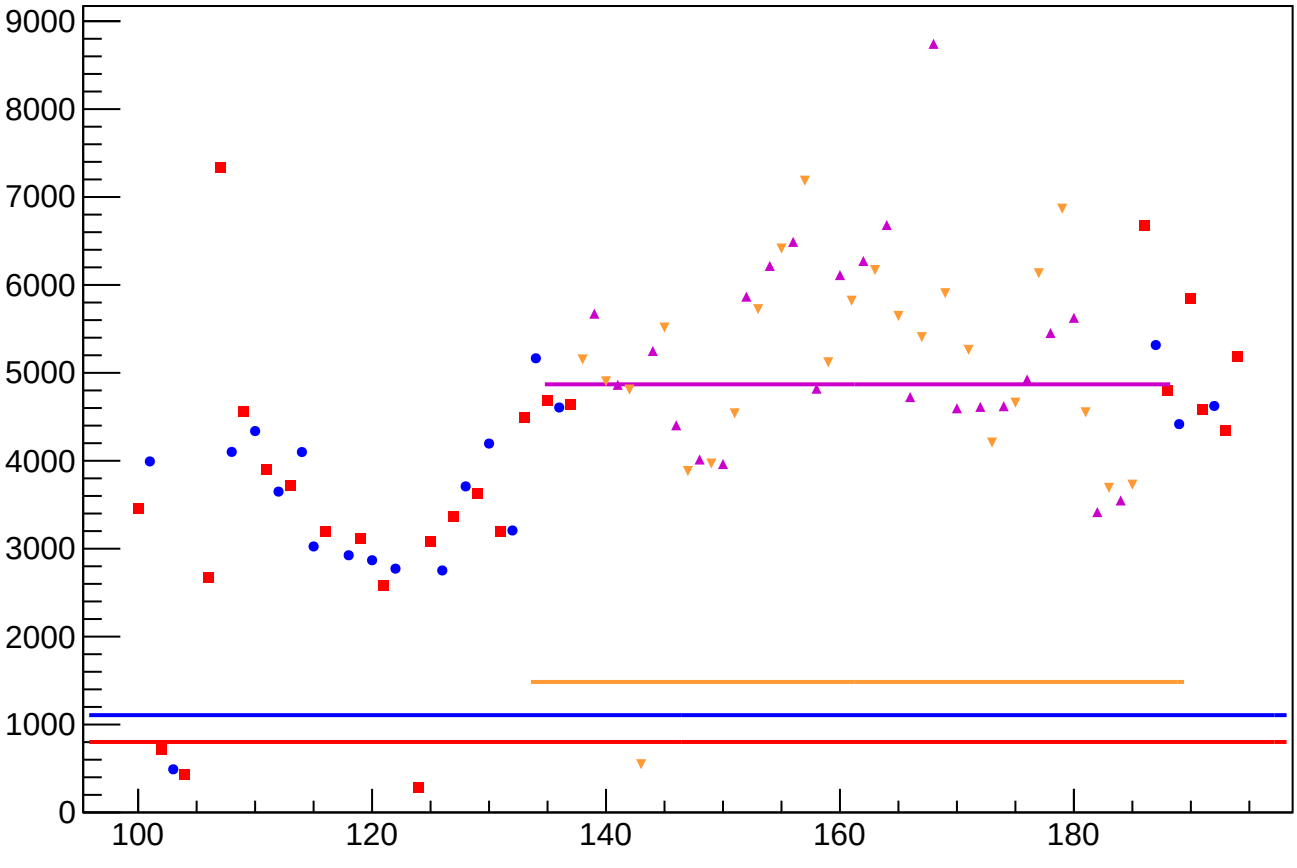
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 322.003+/-341.037 χ^2/NDF: 49.6/43

In: 140.661+/-513.340 χ^2/NDF:30.9/41

Out: -146.532+/-334.194 χ^2/NDF:67.0/49

All: -61.044+/-280.072 χ^2/NDF: 98.2/91



Right In: 1106.802+/-0.404 χ^2/NDF: 10218848.7/18

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 801.749+/-0.300 χ^2/NDF: 14174606.5/24

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

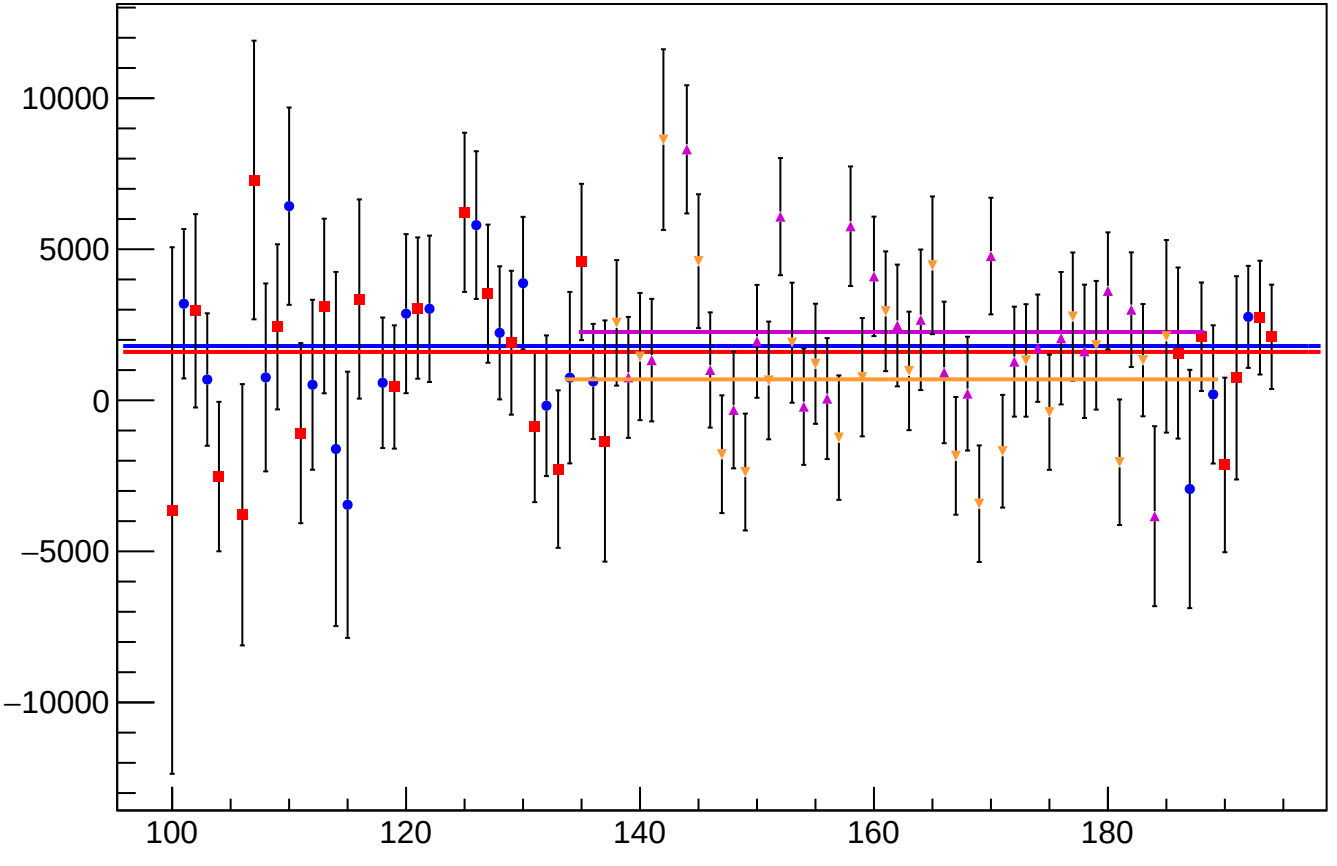
Right: 910.248+/-0.241 χ^2/NDF: 24760175.8/43

In: 1837.347+/-0.363 χ^2/NDF:28506157.0/41

Out: 1062.055+/-0.236 χ^2/NDF:39369288.2/49

All: 1292.834+/-0.198 χ^2/NDF: 71079455.8/9

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1796.237+/-570.285 χ^2/NDF: 12.5/18

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: 1601.269+/-530.871 χ^2/NDF: 19.7/23

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

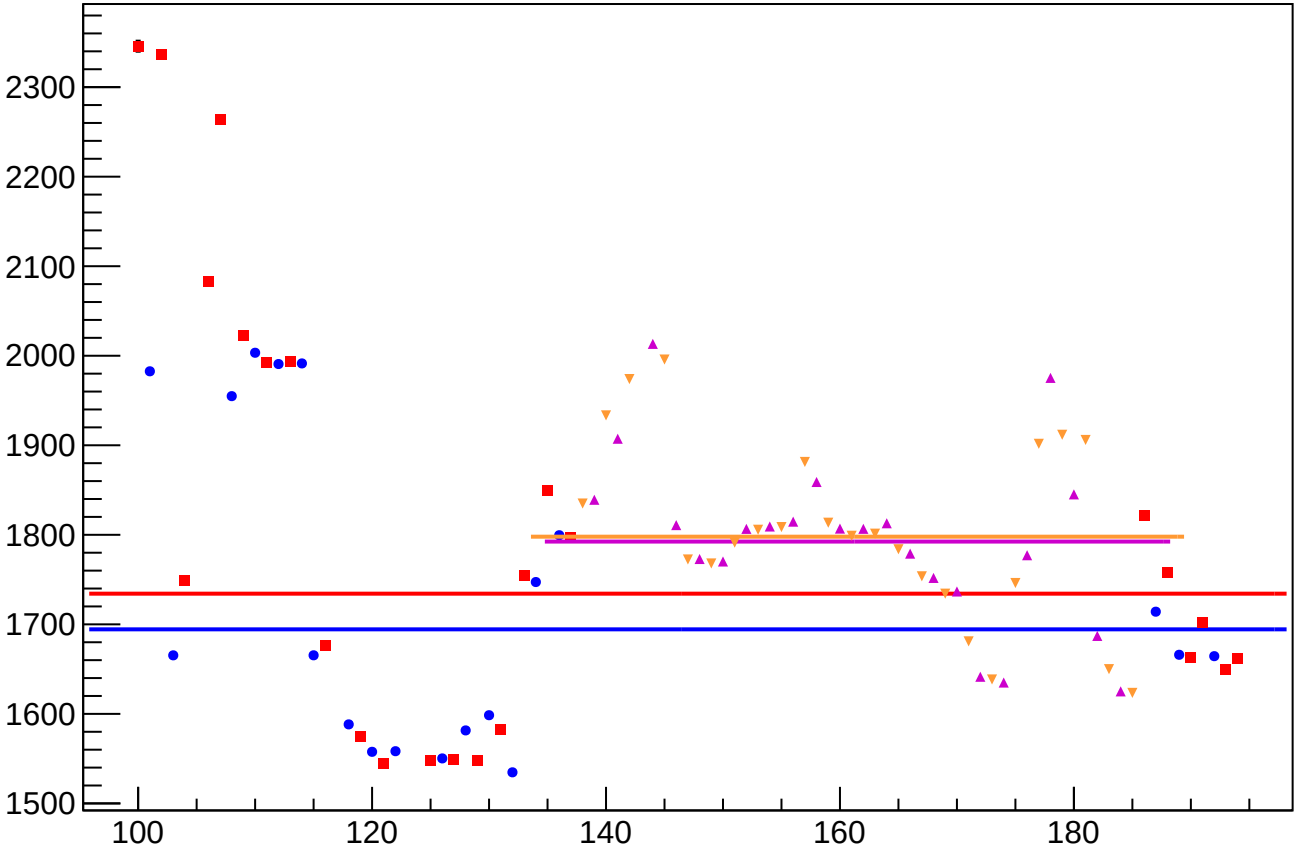
Right: 1691.783+/-388.570 χ^2/NDF: 32.3/42

In: 2098.476+/-337.753 χ^2/NDF:43.4/41

Out: 1041.465+/-328.439 χ^2/NDF:53.7/47

All: 1555.196+/-235.465 χ^2/NDF: 102.1/89

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1694.418+/-0.403 χ^2/NDF: 136581.0/18

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1734.260+/-0.375 χ^2/NDF: 260708.9/23

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

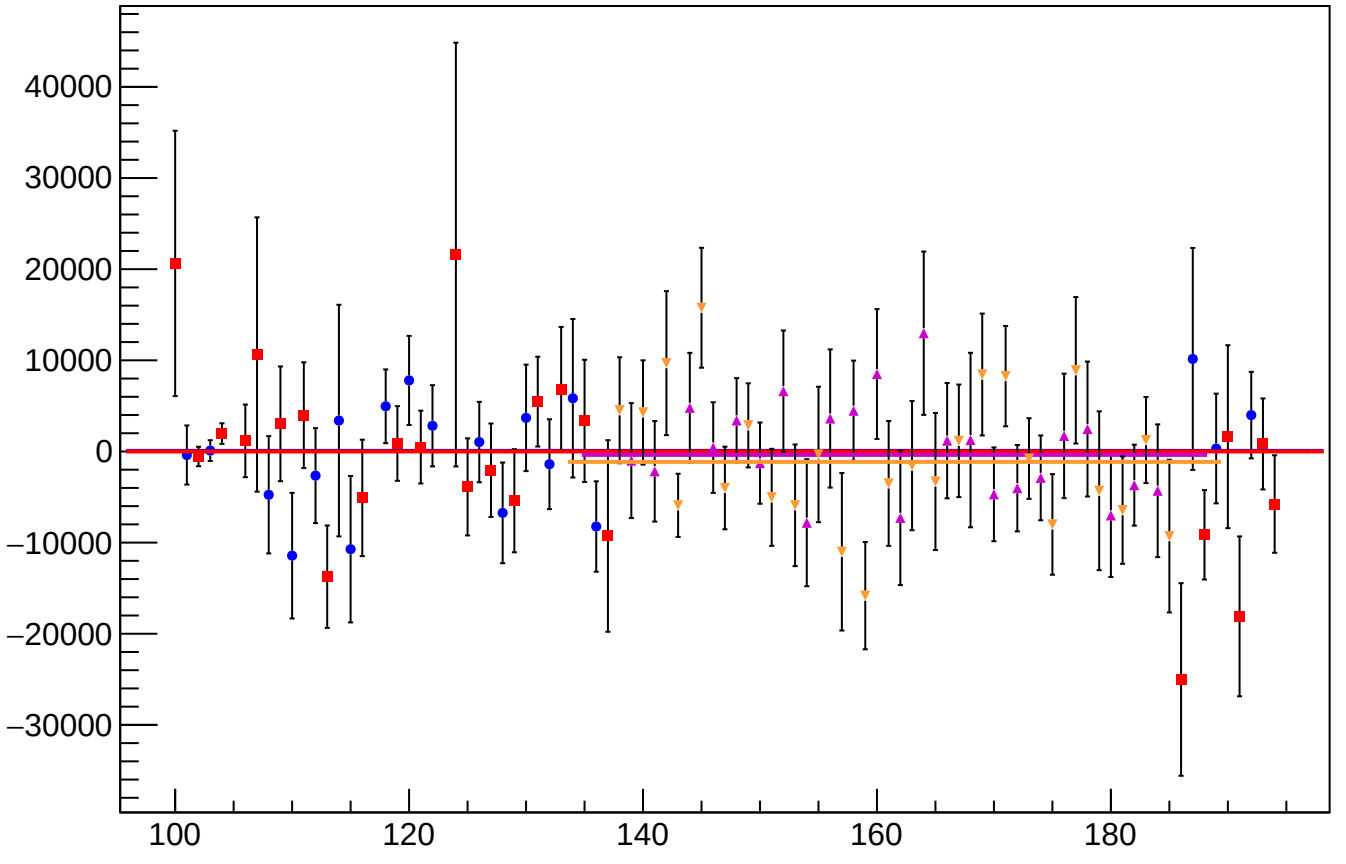
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

Right: 1715.792+/-0.275 χ^2/NDF: 402527.0/42

In: 1758.064+/-0.239 χ^2/NDF:267826.1/41

Out: 1773.503+/-0.232 χ^2/NDF:376488.7/47

All: 1766.003+/-0.166 χ^2/NDF: 646463.7/89



Right In: 62.529+/-843.007 χ^2/NDF: 16.5/18

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: 1.935+/-657.019 χ^2/NDF: 33.5/24

Left In: -374.927+/-1228.699 χ^2/NDF:13.3/22

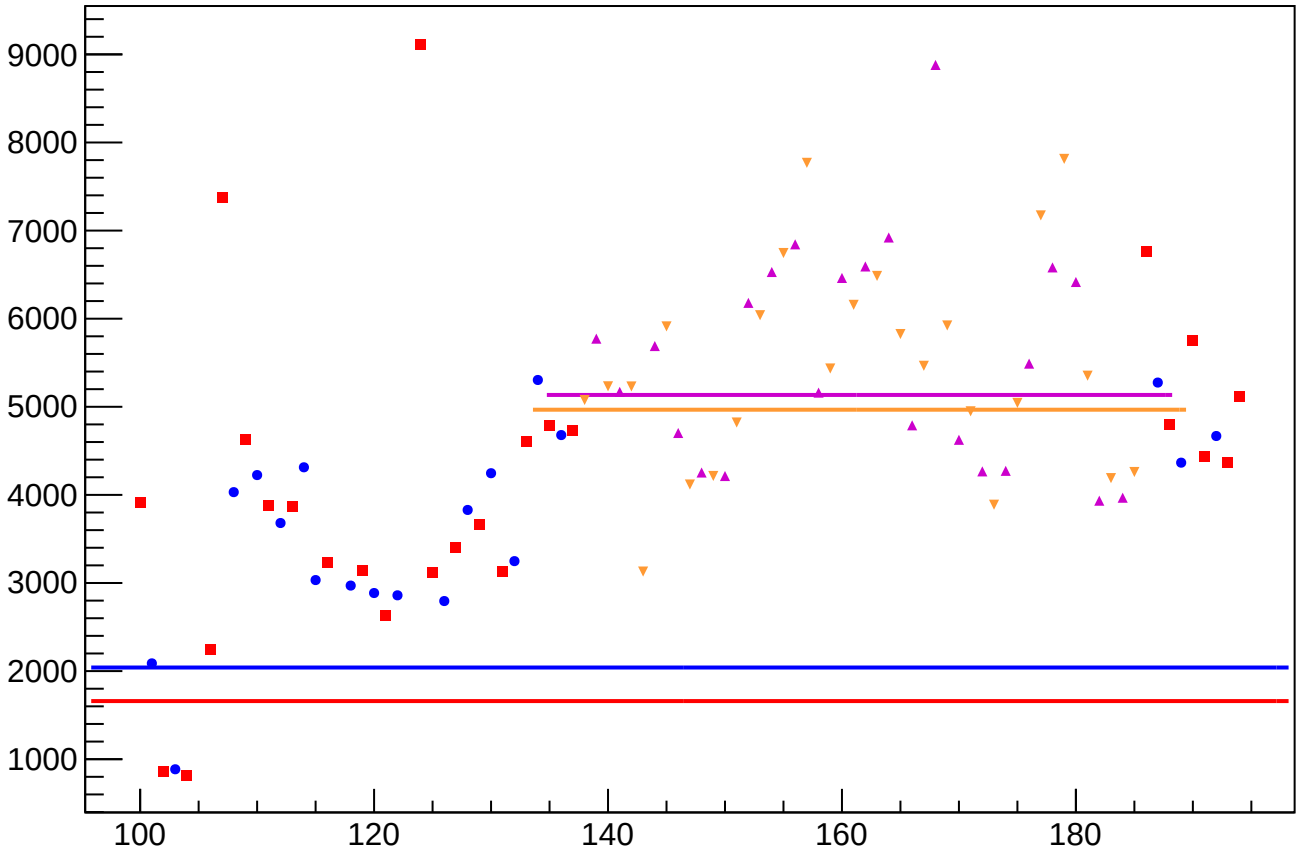
Left: -780.307+/-845.195 χ^2/NDF: 46.0/47

Right: 24.833+/-518.218 χ^2/NDF: 50.0/43

In: -77.486+/-695.128 χ^2/NDF:29.9/41

Out: -274.880+/-572.219 χ^2/NDF:66.8/49

All: -195.148+/-441.788 χ^2/NDF: 96.7/91



Right In: 2040.636+/-0.596 χ^2/NDF: 5540822.7/18

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1659.688+/-0.465 χ^2/NDF: 9423271.5/24

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

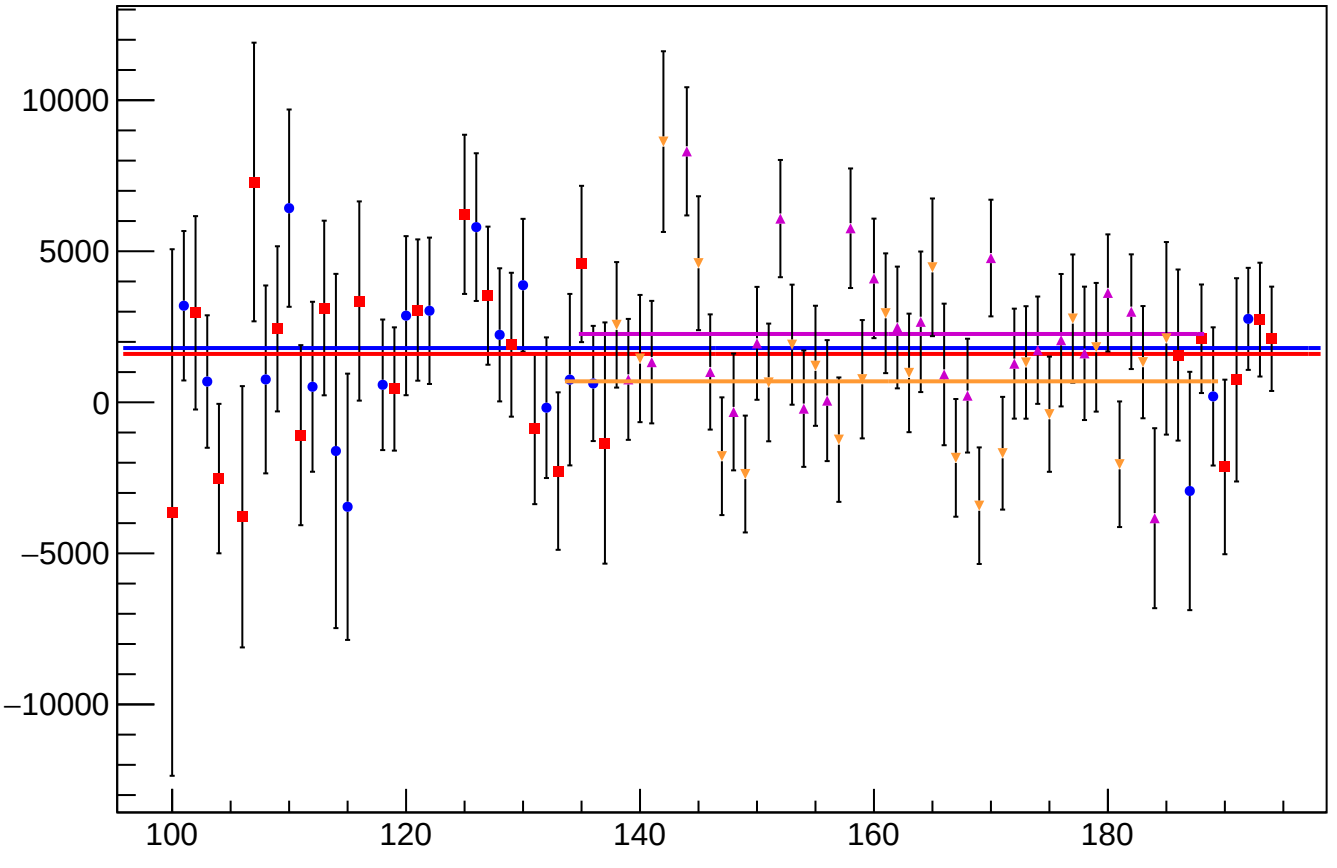
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 1803.643+/-0.366 χ^2/NDF: 15218173.6/43

In: 3030.857+/-0.492 χ^2/NDF:15649597.6/41

Out: 2458.299+/-0.405 χ^2/NDF:23578053.5/49

All: 2689.568+/-0.312 χ^2/NDF: 40036453.3/9



Right In: 1796.236+/-570.285 χ^2/NDF: 12.5/18

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: 1601.266+/-530.871 χ^2/NDF: 19.7/23

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

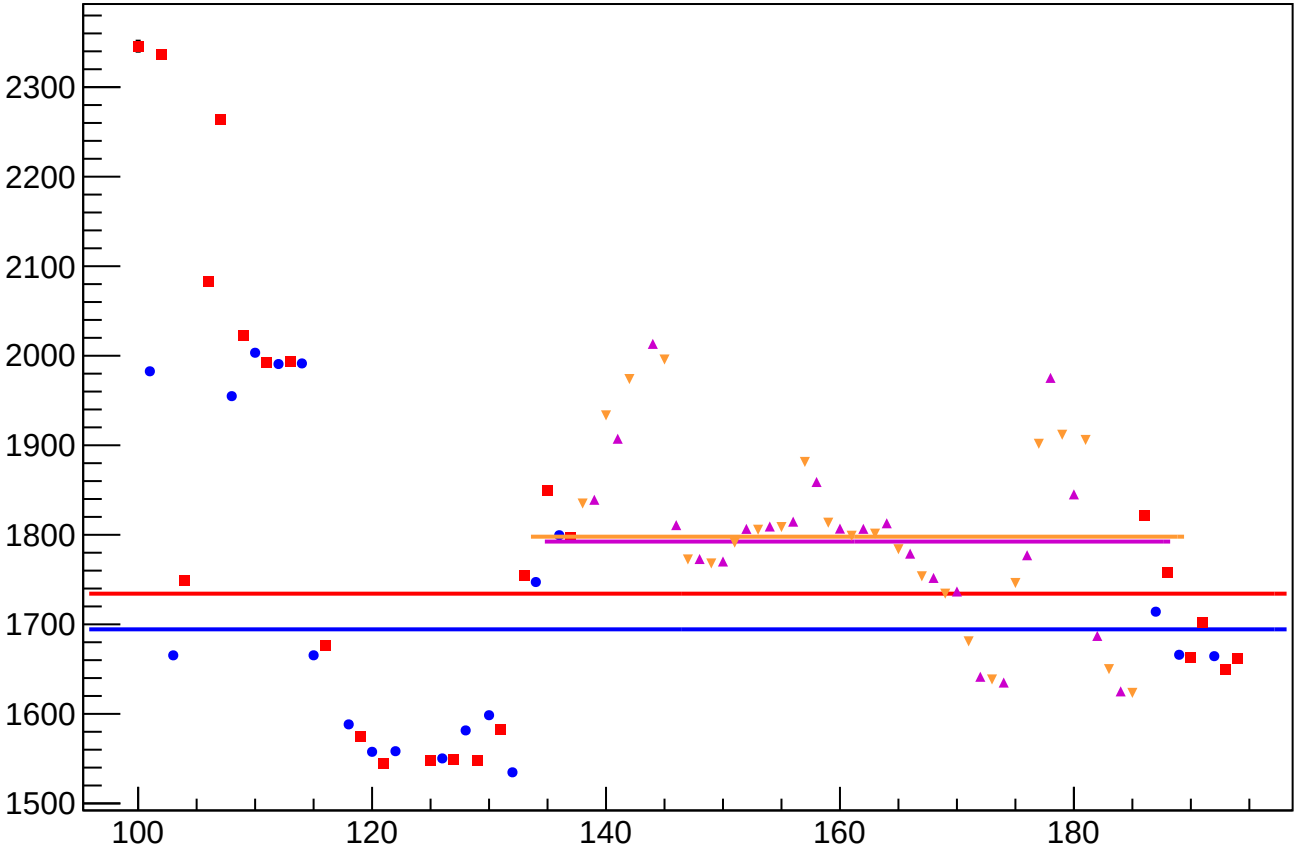
Right: 1691.781+/-388.570 χ^2/NDF: 32.3/42

In: 2098.475+/-337.753 χ^2/NDF:43.4/41

Out: 1041.462+/-328.439 χ^2/NDF:53.7/47

All: 1555.194+/-235.465 χ^2/NDF: 102.1/89

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1694.417+/-0.403 χ^2/NDF: 136581.2/18

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1734.260+/-0.375 χ^2/NDF: 260708.2/23

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

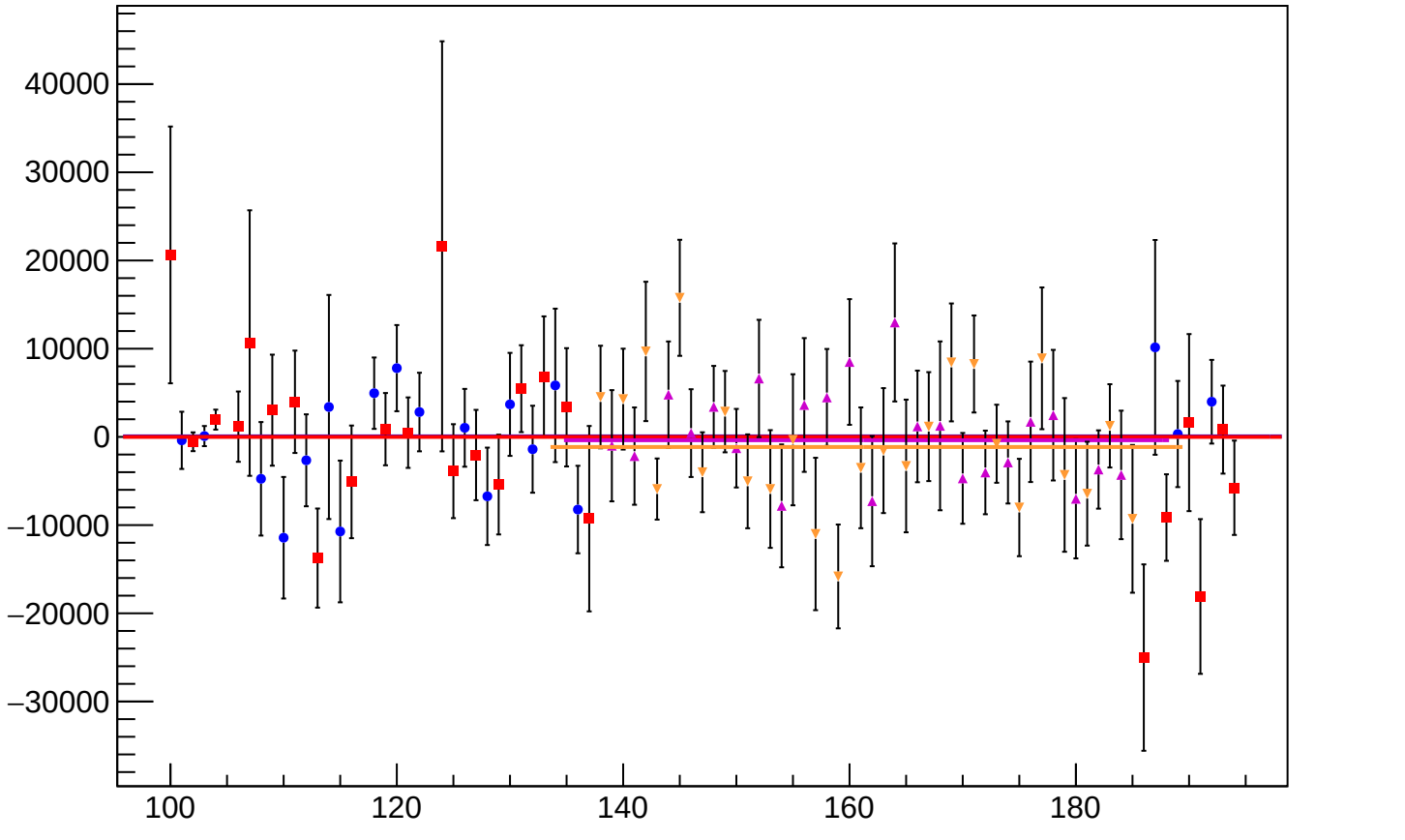
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

Right: 1715.792+/-0.275 χ^2/NDF: 402526.6/42

In: 1758.065+/-0.239 χ^2/NDF:267830.8/41

Out: 1773.503+/-0.232 χ^2/NDF:376492.3/47

All: 1766.004+/-0.166 χ^2/NDF: 646472.1/89



Right In: 62.530+/-843.002 χ^2/NDF: 16.5/18

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: 1.941+/-657.014 χ^2/NDF: 33.5/24

Left In: -374.928+/-1228.701 χ^2/NDF:13.3/22

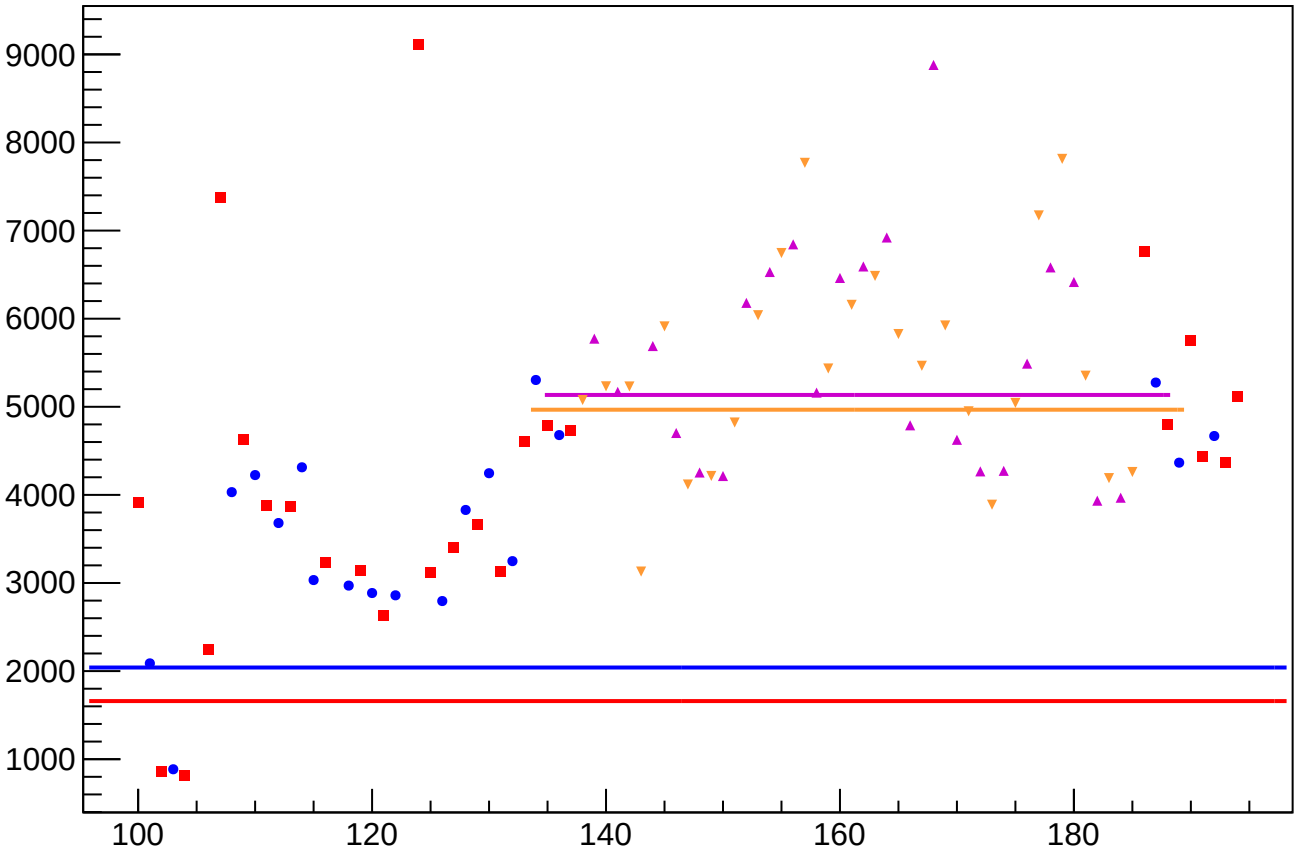
Left: -780.311+/-845.196 χ^2/NDF: 46.0/47

Right: 24.837+/-518.214 χ^2/NDF: 50.0/43

In: -77.483+/-695.126 χ^2/NDF:29.9/41

Out: -274.874+/-572.216 χ^2/NDF:66.8/49

All: -195.143+/-441.786 χ^2/NDF: 96.7/91



Right In: 2040.619+/-0.596 χ^2/NDF: 5540876.9/18

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1659.672+/-0.465 χ^2/NDF: 9423340.5/24

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

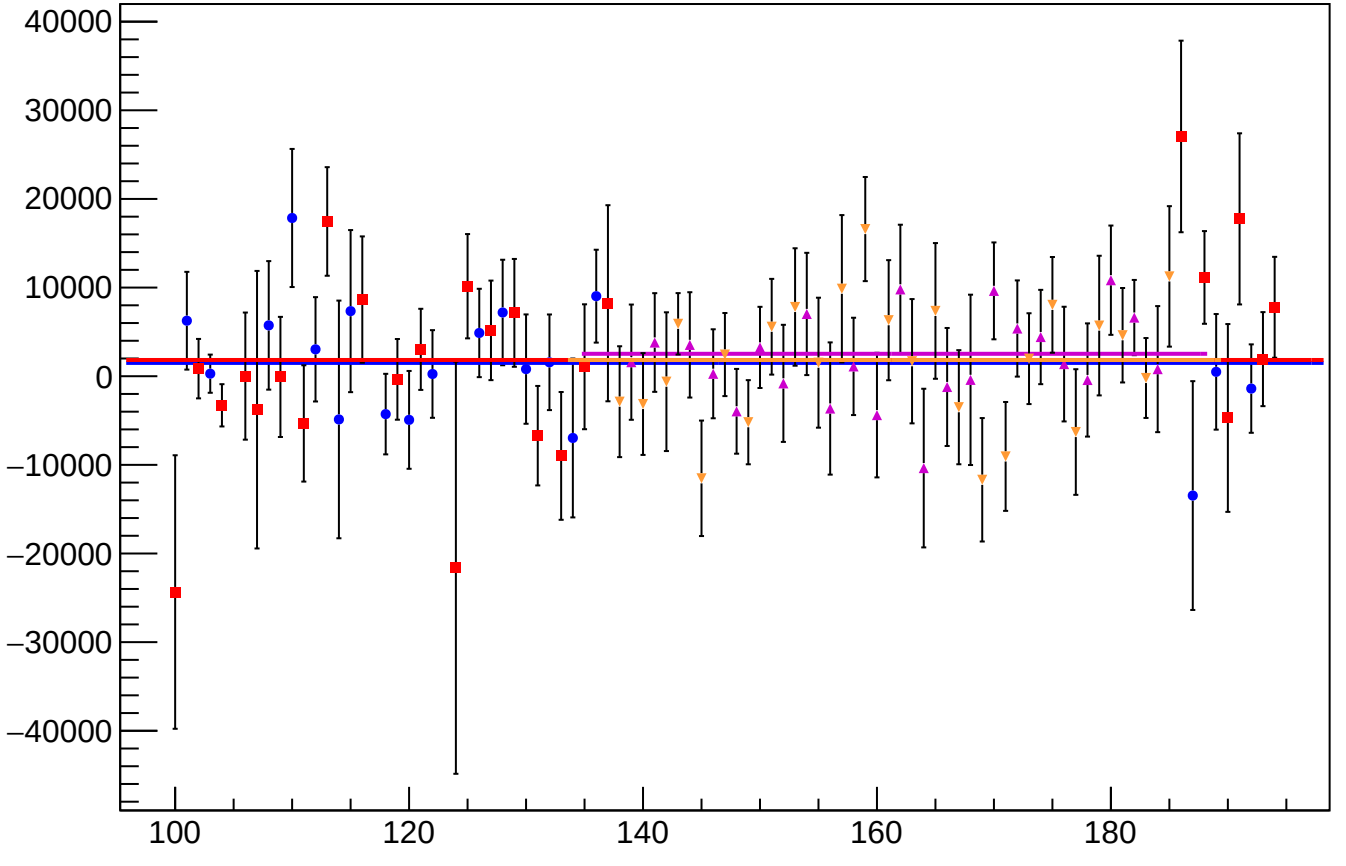
Right: 1803.627+/-0.366 χ^2/NDF: 15218298.0/43

In: 3030.837+/-0.492 χ^2/NDF:15649811.9/41

Out: 2458.278+/-0.405 χ^2/NDF:23578312.2/49

All: 2689.547+/-0.312 χ^2/NDF: 40036935.4/9

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1501.972+/-1194.885 χ^2/NDF: 15.6/18

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: 1831.942+/-1132.294 χ^2/NDF: 38.6/24

Left In: 2529.501+/-1242.040 χ^2/NDF:13.2/22

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

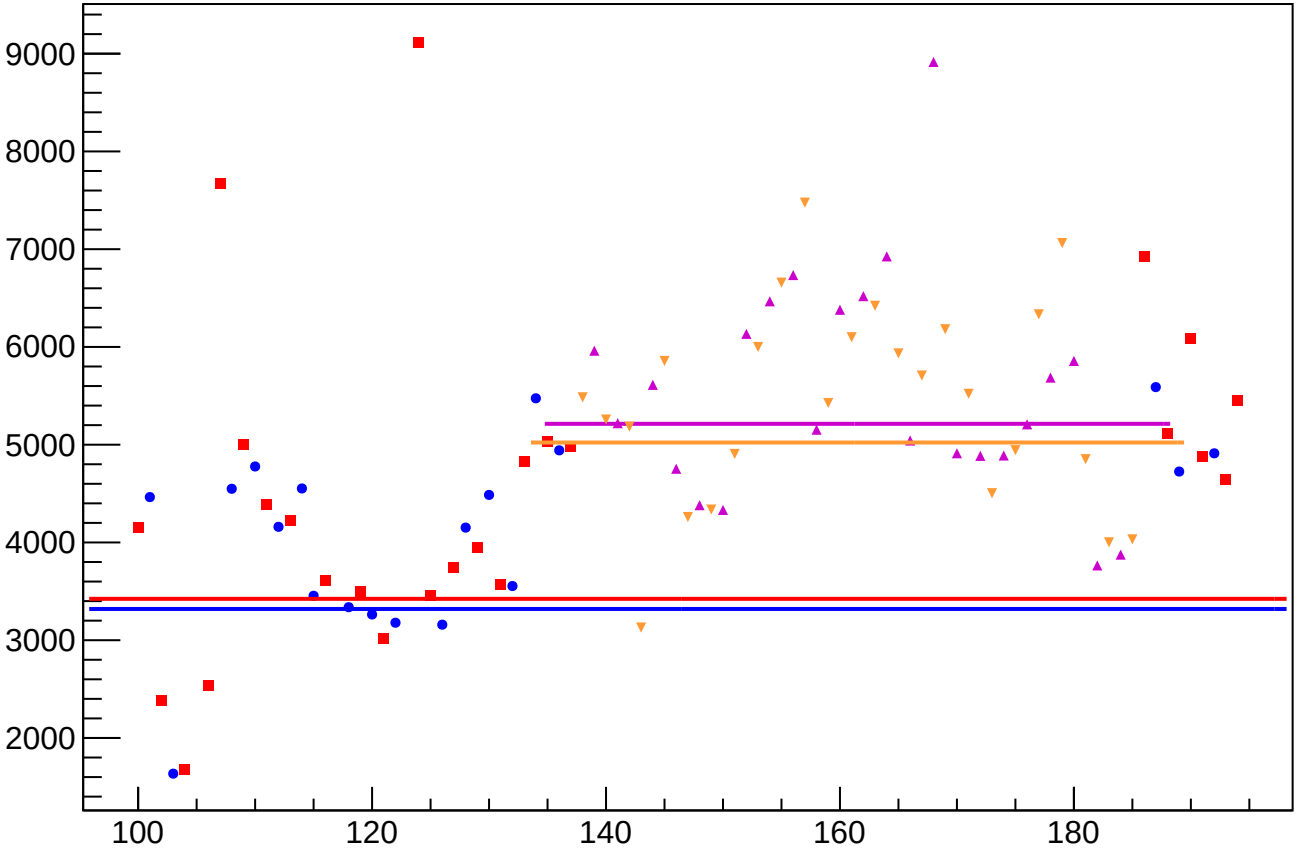
Right: 1675.825+/-821.890 χ^2/NDF: 54.2/43

In: 1995.861+/-861.099 χ^2/NDF:29.1/41

Out: 1829.172+/-814.488 χ^2/NDF:69.7/49

All: 1907.883+/-591.722 χ^2/NDF: 98.9/91

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3319.610+/-0.845 χ^2/NDF: 2280530.1/18

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3423.257+/-0.790 χ^2/NDF: 2999920.9/24

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

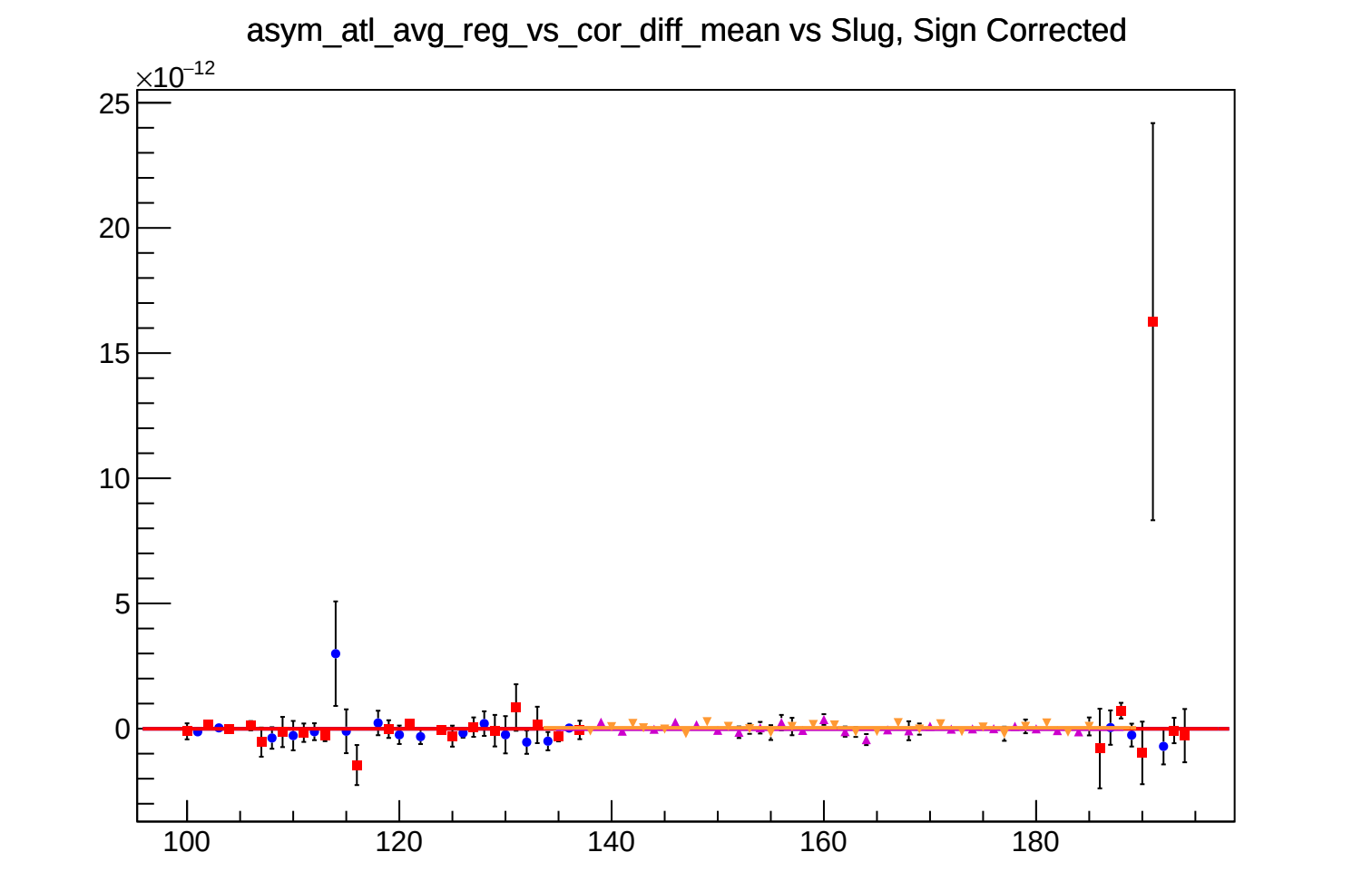
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

Right: 3374.895+/-0.577 χ^2/NDF: 5288477.8/43

In: 4229.980+/-0.609 χ^2/NDF:5919076.0/41

Out: 4184.505+/-0.572 χ^2/NDF:6625941.6/49

All: 4205.824+/-0.417 χ^2/NDF: 12547980.5/9



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/24

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

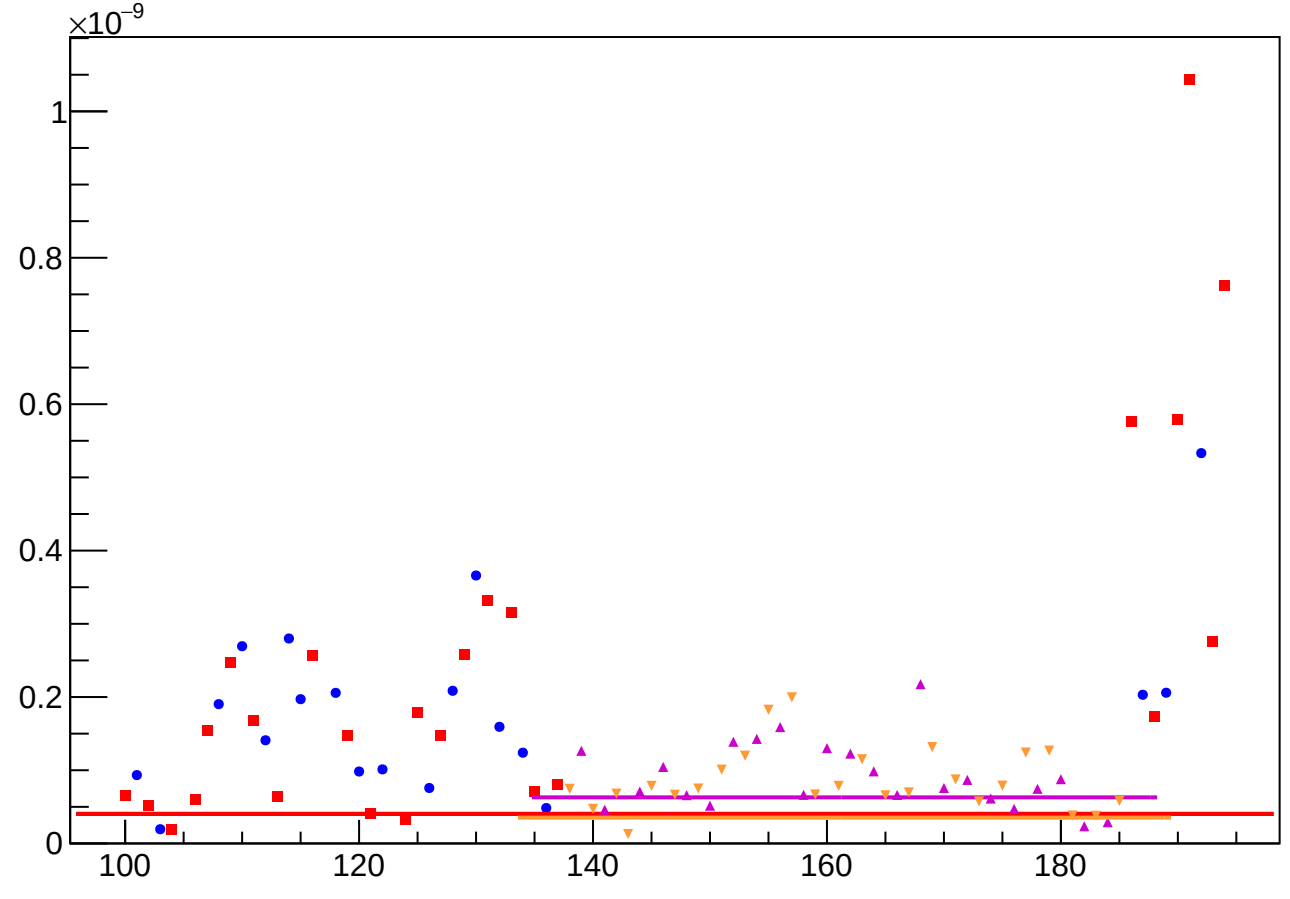
Left: 0.000+/-0.000 χ^2/NDF: 46.3/47

Right: -0.000+/-0.000 χ^2/NDF: 37.4/43

In: -0.000+/-0.000 χ^2/NDF:31.1/41

Out: 0.000+/-0.000 χ^2/NDF:51.6/49

All: 0.000+/-0.000 χ^2/NDF: 84.5/91



Right In: 0.000+/-0.000 χ^2/NDF: 4206488.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5060513.2/24

Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

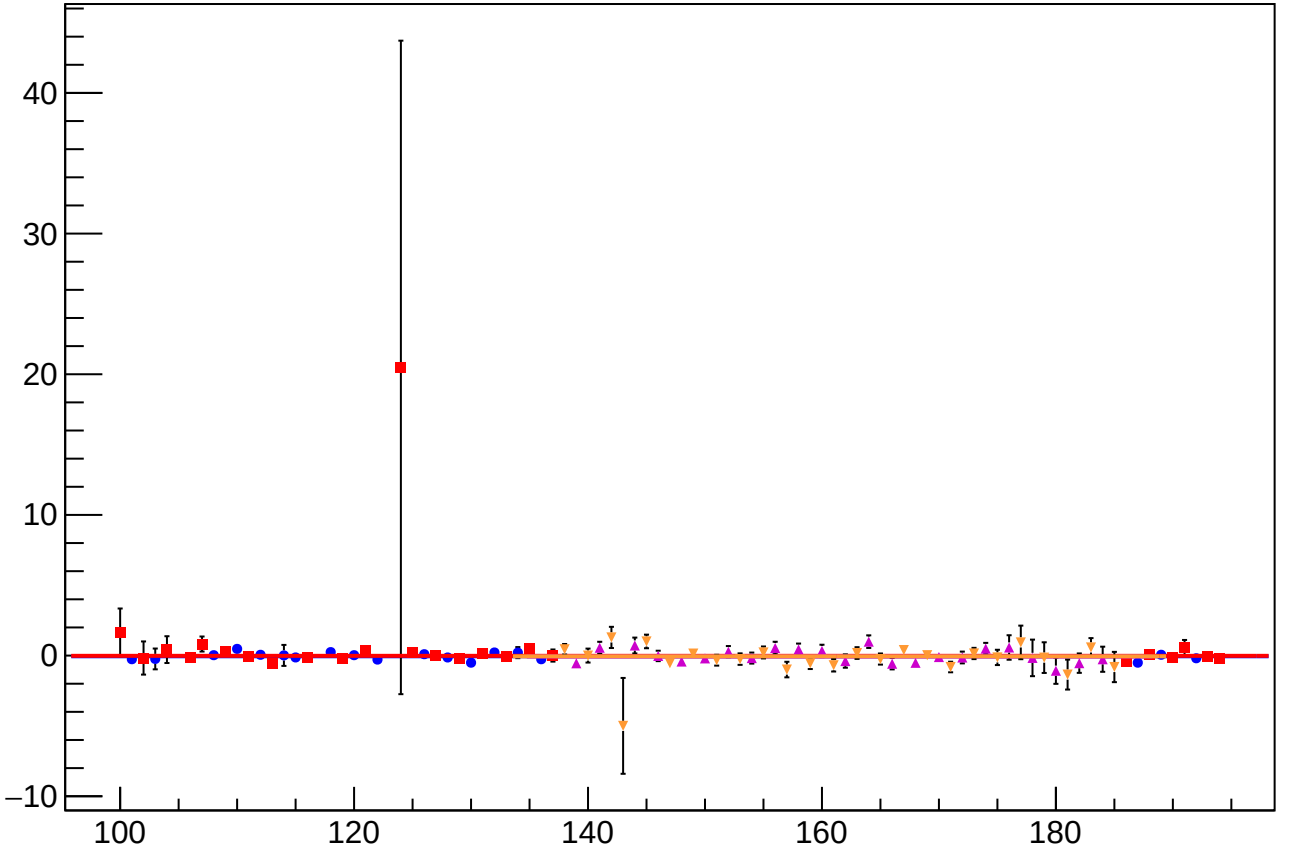
Right: 0.000+/-0.000 χ^2/NDF: 9267059.8/43

In: 0.000+/-0.000 χ^2/NDF:7670388.6/41

Out: 0.000+/-0.000 χ^2/NDF:11607367.6/49

All: 0.000+/-0.000 χ^2/NDF: 20135759.0/91

asym_atl_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.050+/-0.054 χ^2/NDF: 20.0/18

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.018+/-0.043 χ^2/NDF: 28.7/24

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

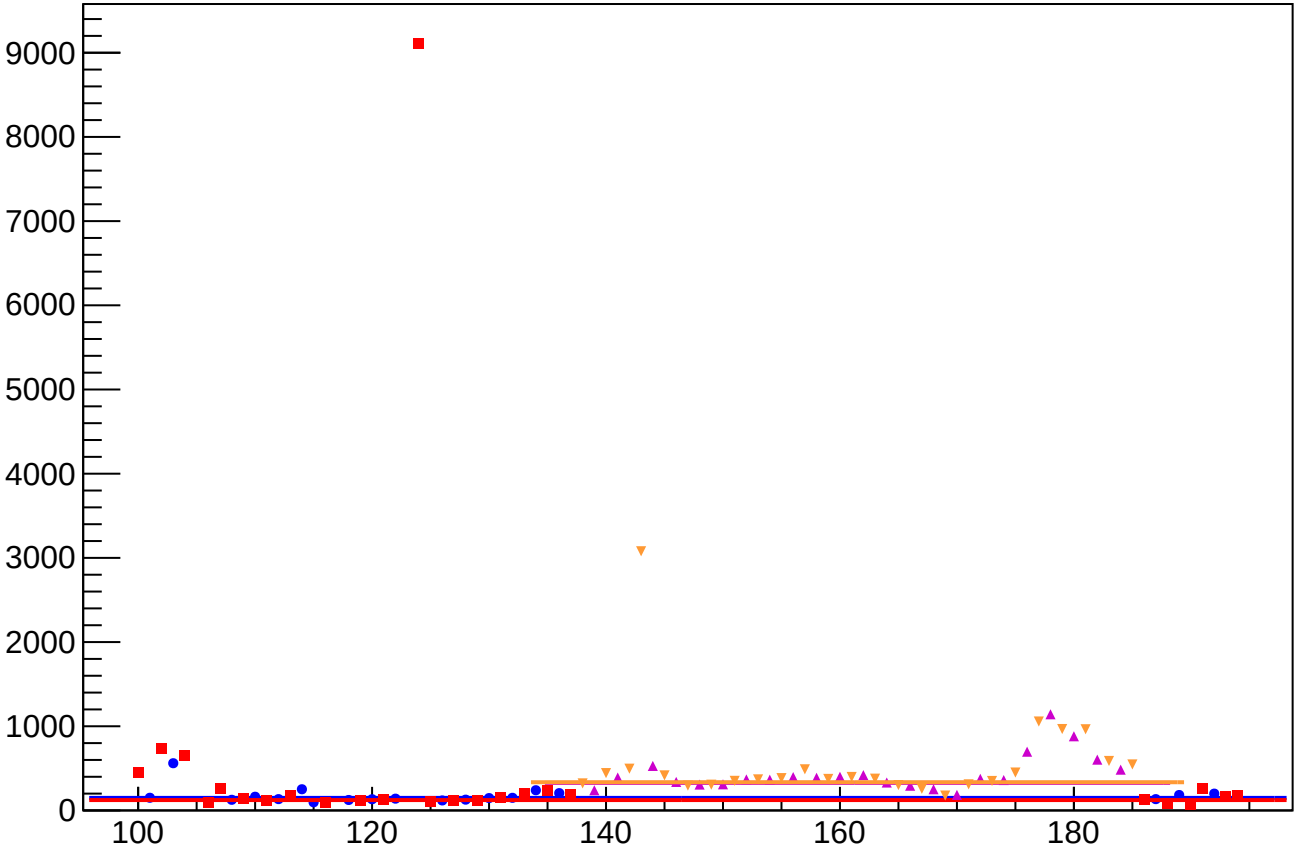
Right: -0.030+/-0.033 χ^2/NDF: 48.9/43

In: -0.054+/-0.045 χ^2/NDF:48.0/41

Out: -0.025+/-0.038 χ^2/NDF:61.9/49

All: -0.037+/-0.029 χ^2/NDF: 110.2/91

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 149.258+/-0.038 χ^2/NDF: 1297856.5/18

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 123.453+/-0.030 χ^2/NDF: 3240279.3/24

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

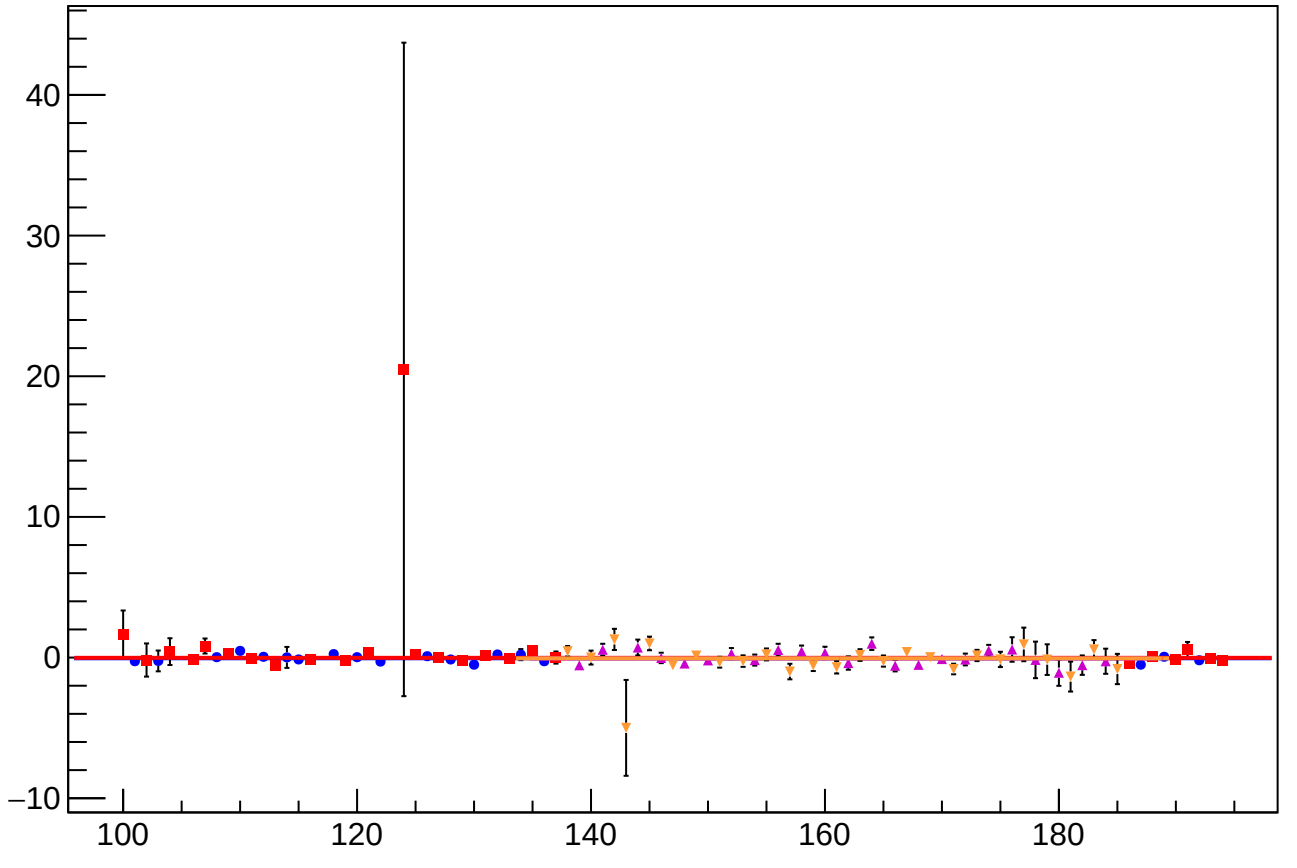
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 133.422+/-0.024 χ^2/NDF: 4820155.6/43

In: 202.291+/-0.032 χ^2/NDF:11977451.3/41

Out: 166.451+/-0.027 χ^2/NDF:19071441.0/49

All: 181.382+/-0.021 χ^2/NDF: 31785016.8/91



Right In: -0.050+/-0.054 χ^2/NDF: 20.0/18

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.018+/-0.043 χ^2/NDF: 28.7/24

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

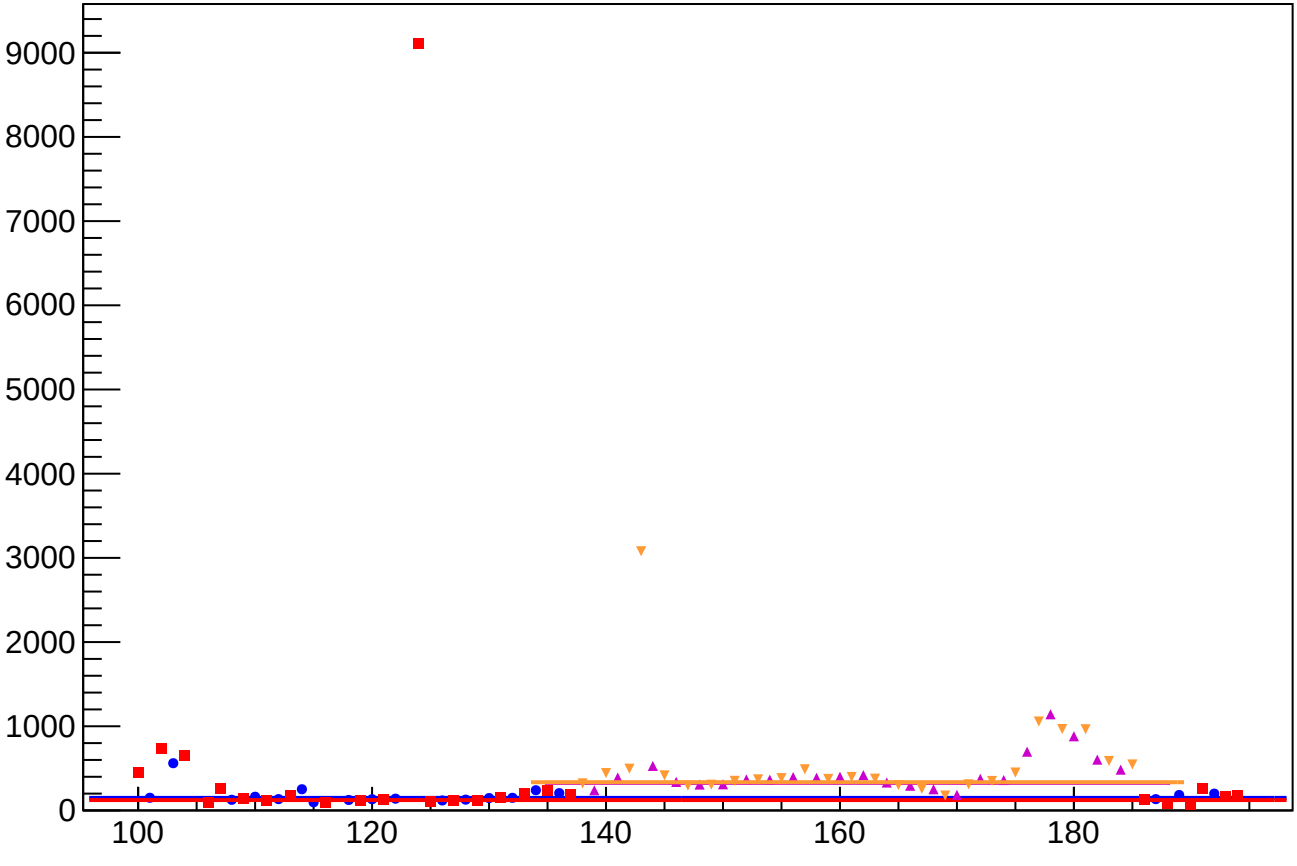
Right: -0.030+/-0.033 χ^2/NDF: 48.9/43

In: -0.054+/-0.045 χ^2/NDF:48.0/41

Out: -0.025+/-0.038 χ^2/NDF:61.9/49

All: -0.037+/-0.029 χ^2/NDF: 110.2/91

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 149.258+/-0.038 χ^2/NDF: 1297856.5/18

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 123.453+/-0.030 χ^2/NDF: 3240279.3/24

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

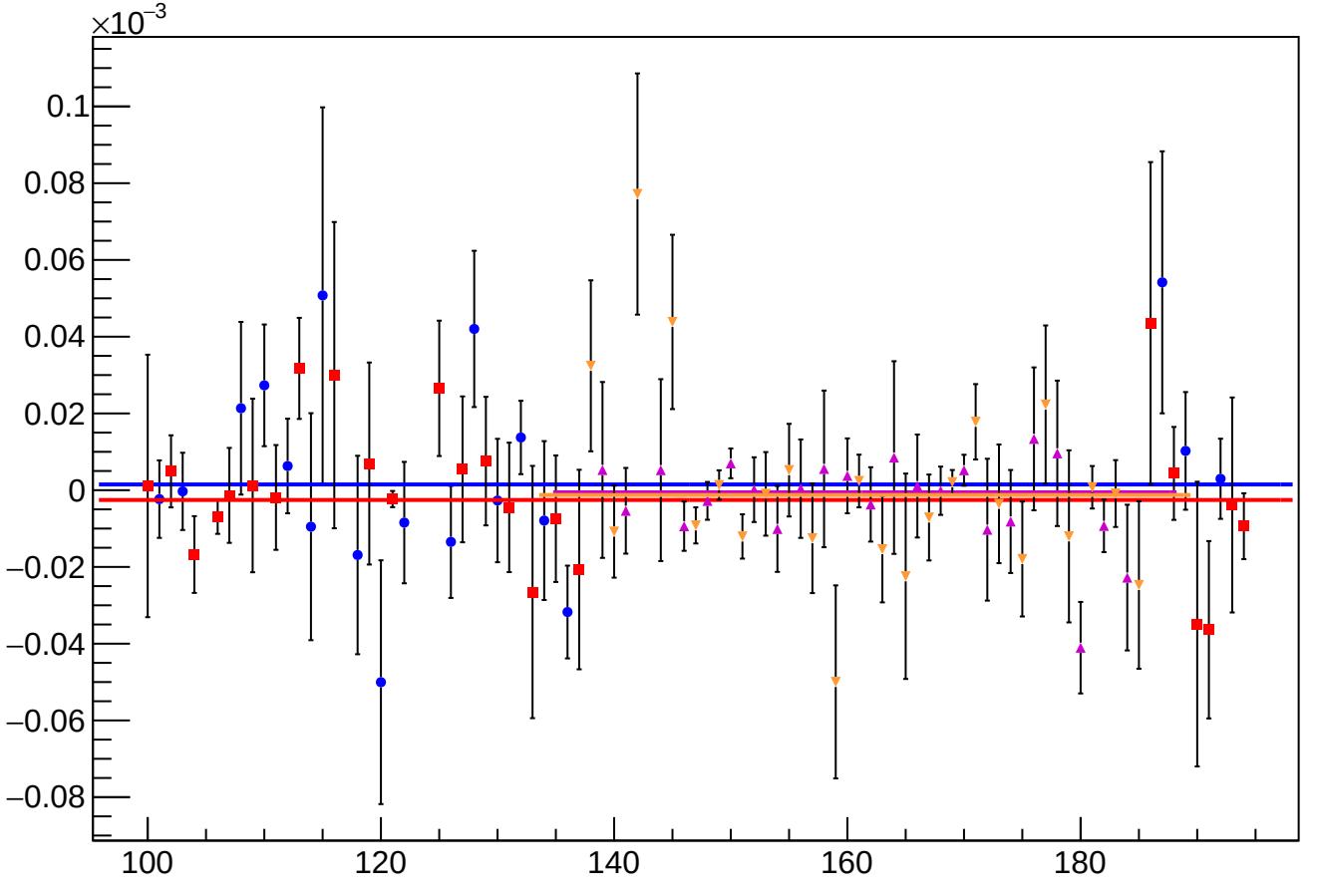
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 133.422+/-0.024 χ^2/NDF: 4820155.6/43

In: 202.291+/-0.032 χ^2/NDF:11977451.3/41

Out: 166.451+/-0.027 χ^2/NDF:19071441.0/49

All: 181.382+/-0.021 χ^2/NDF: 31785016.8/91



Right In: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/23

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

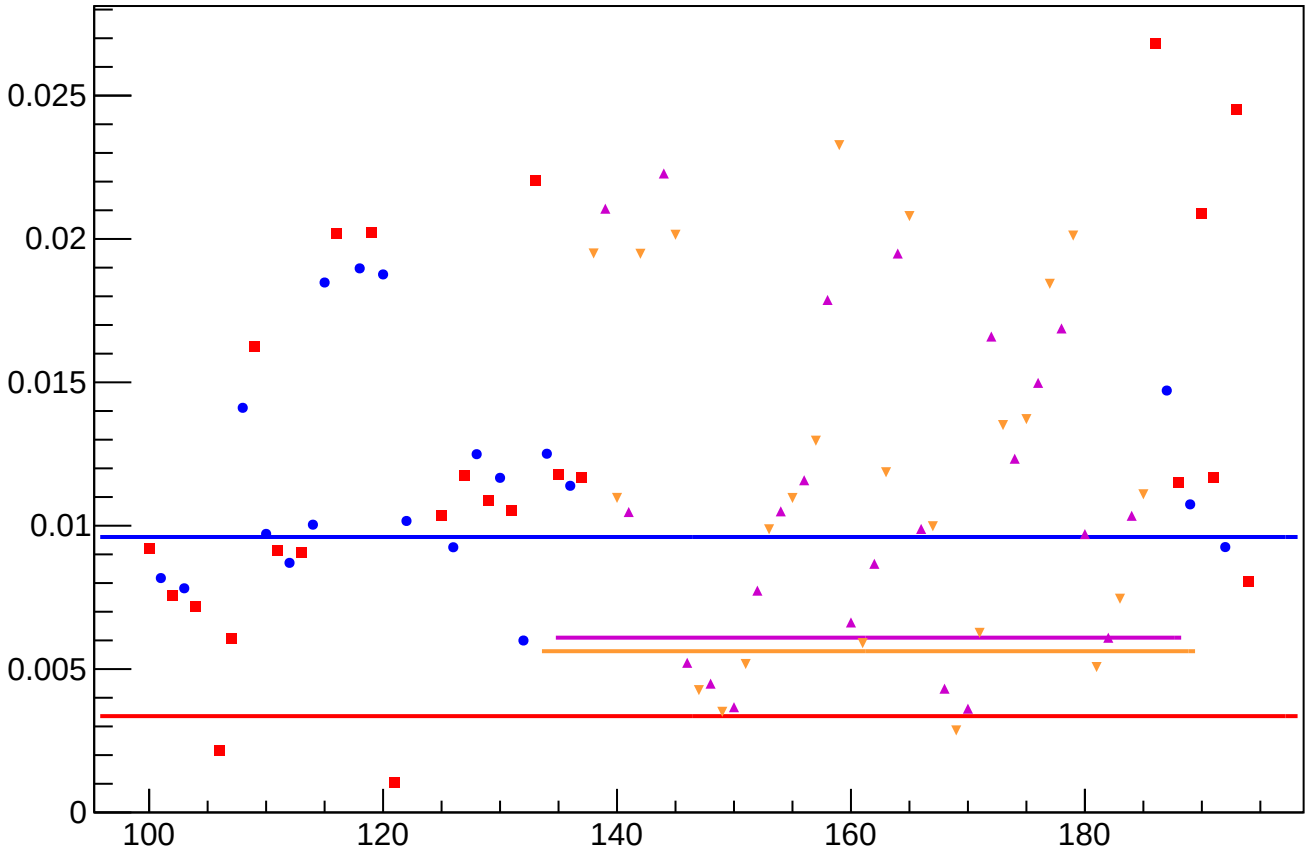
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: -0.000+/-0.000 χ^2/NDF: 47.5/42

In: -0.000+/-0.000 χ^2/NDF:51.4/41

Out: -0.000+/-0.000 χ^2/NDF:56.7/47

All: -0.000+/-0.000 χ^2/NDF: 109.0/89



Right In: 0.010+/-0.000 χ^2/NDF: 1191998.7/18

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.003+/-0.000 χ^2/NDF: 12754962.8/23

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

Left: 0.006+/-0.000 χ^2/NDF: 20062256.6/46

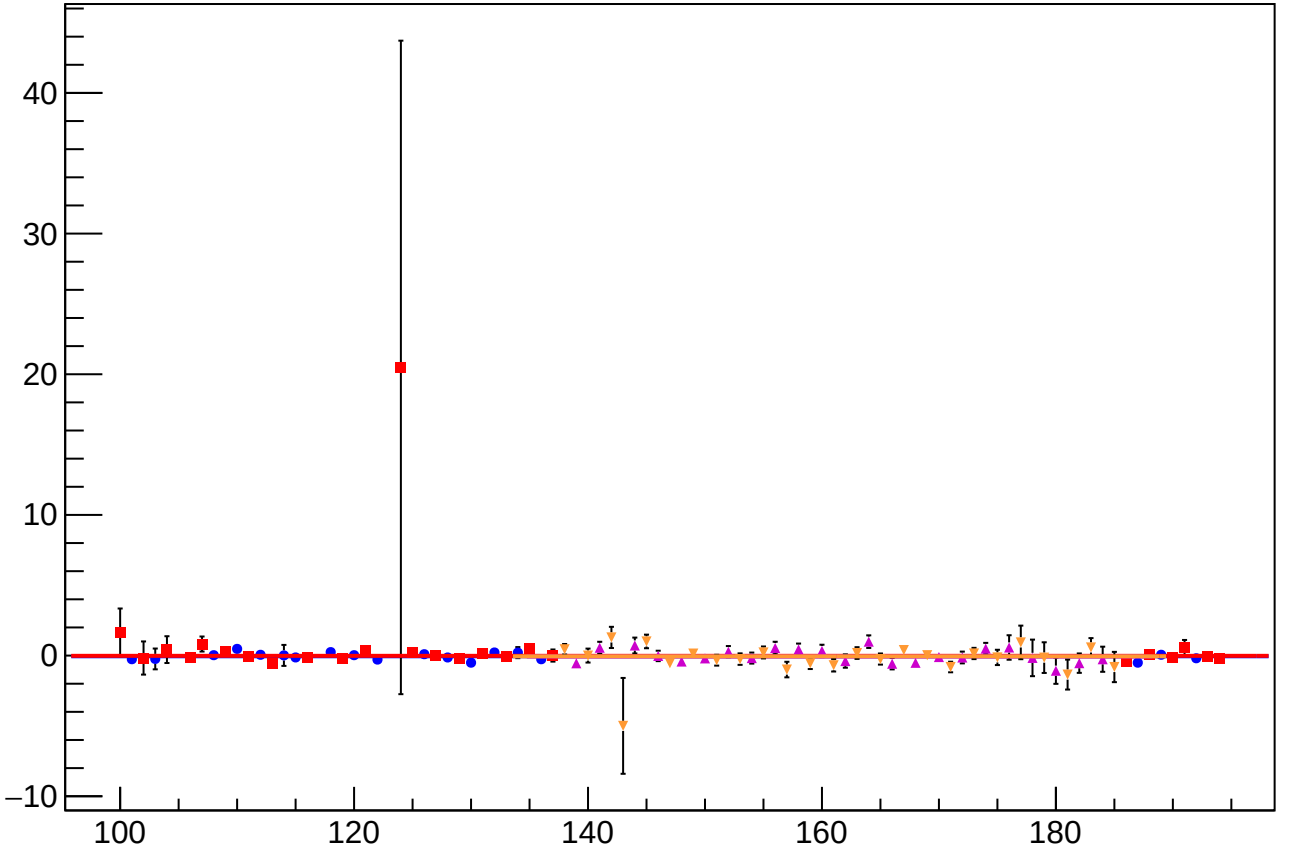
Right: 0.005+/-0.000 χ^2/NDF: 19353739.1/42

In: 0.007+/-0.000 χ^2/NDF:11671427.2/41

Out: 0.005+/-0.000 χ^2/NDF:25847654.6/47

All: 0.005+/-0.000 χ^2/NDF: 40337328.9/89

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.050+/-0.054 χ^2/NDF: 20.0/18

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.018+/-0.043 χ^2/NDF: 28.7/24

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

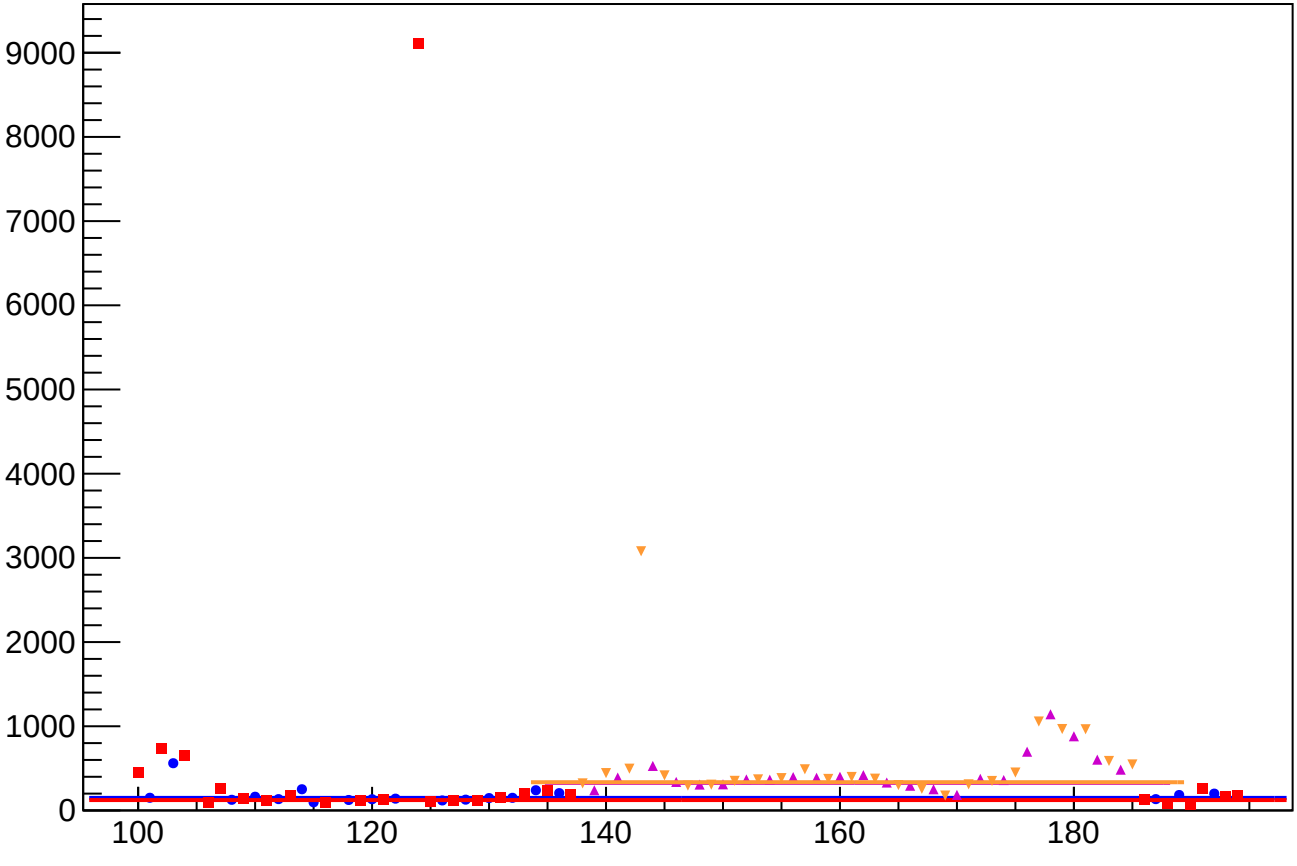
Right: -0.030+/-0.033 χ^2/NDF: 48.9/43

In: -0.054+/-0.045 χ^2/NDF:48.0/41

Out: -0.025+/-0.038 χ^2/NDF:61.9/49

All: -0.037+/-0.029 χ^2/NDF: 110.2/91

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 149.257+/-0.038 χ^2/NDF: 1297878.5/18

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 123.451+/-0.030 χ^2/NDF: 3240265.2/24

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

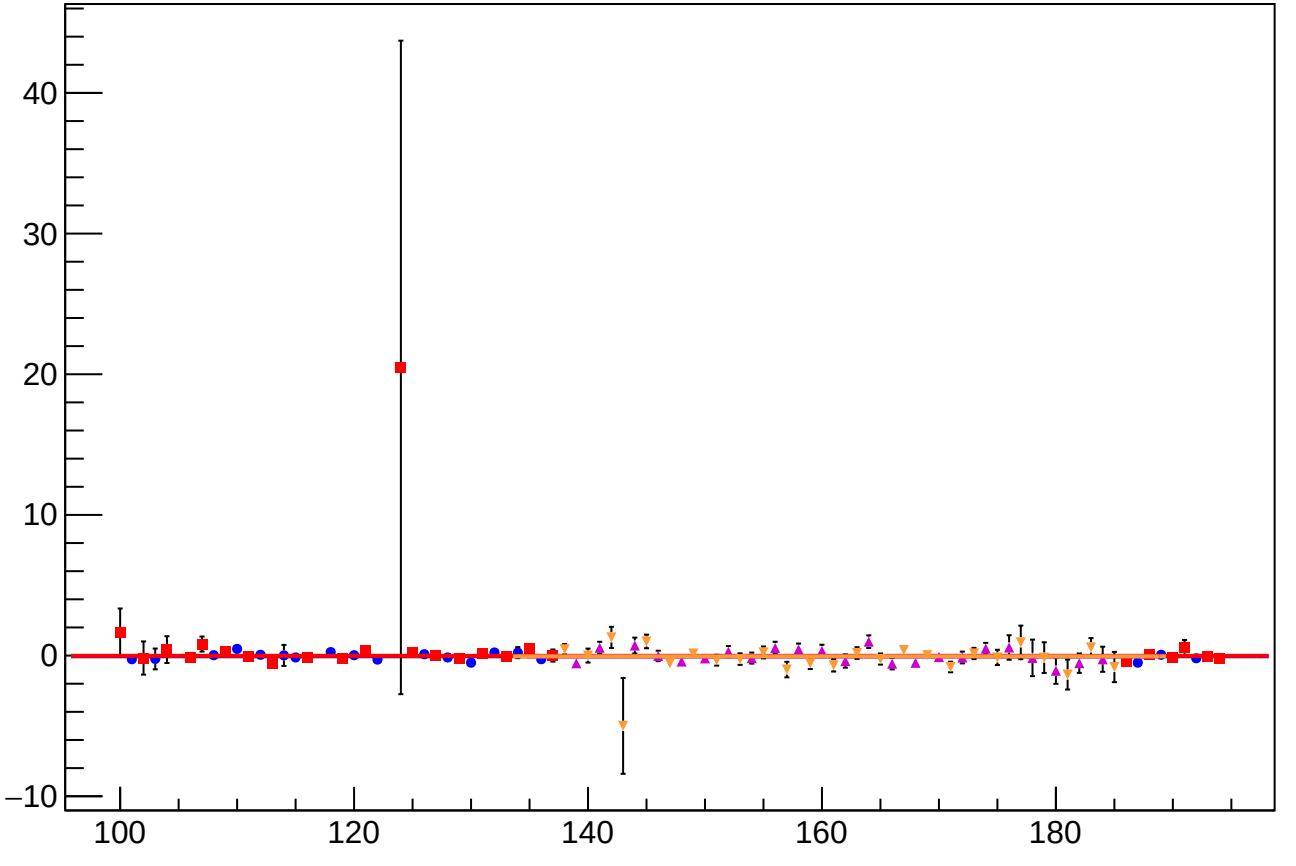
Right: 133.420+/-0.024 χ^2/NDF: 4820190.4/43

In: 202.290+/-0.032 χ^2/NDF:11977718.7/41

Out: 166.448+/-0.027 χ^2/NDF:19071839.2/49

All: 181.380+/-0.021 χ^2/NDF: 31785754.9/91

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.050+/-0.054 χ^2/NDF: 20.0/18

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.018+/-0.043 χ^2/NDF: 28.7/24

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

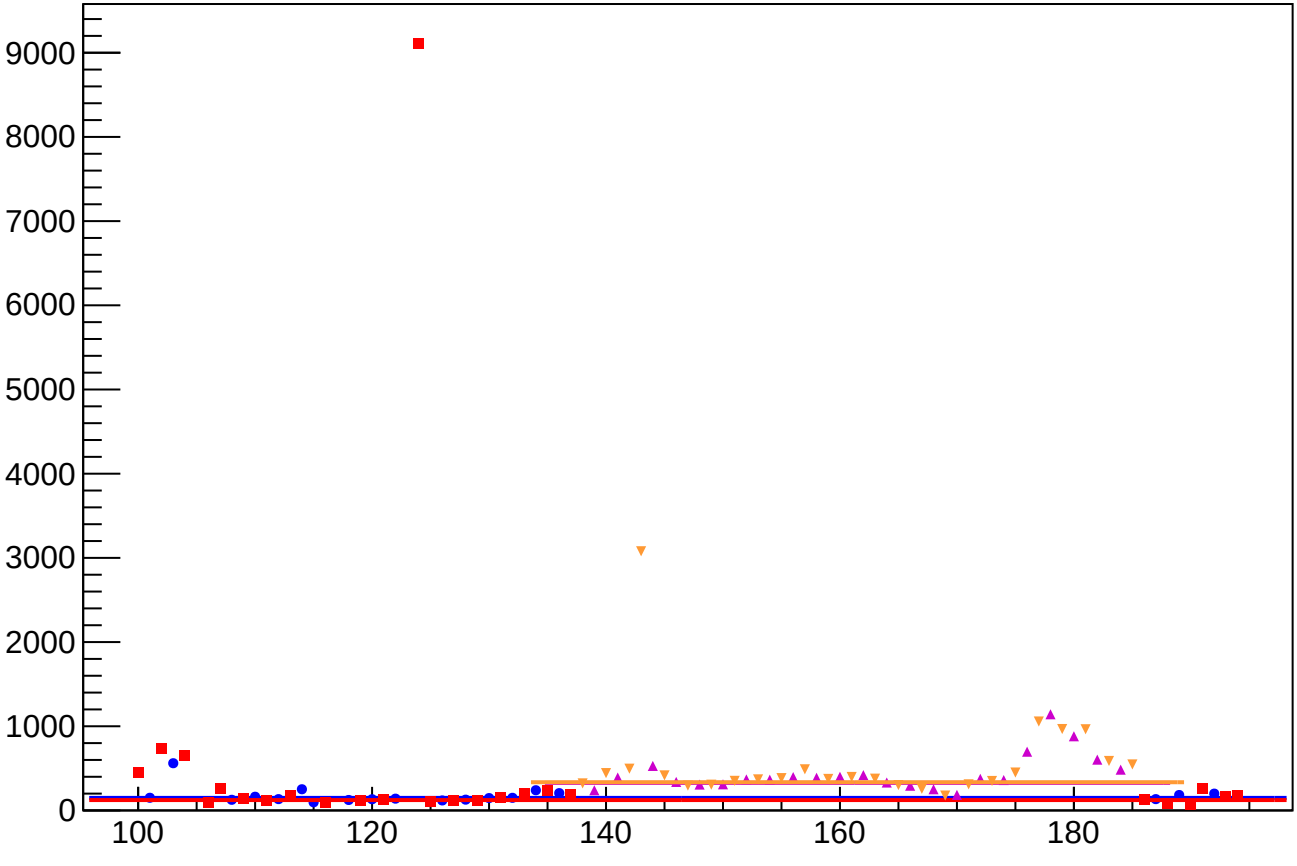
Right: -0.030+/-0.033 χ^2/NDF: 48.9/43

In: -0.054+/-0.045 χ^2/NDF:48.0/41

Out: -0.025+/-0.038 χ^2/NDF:61.9/49

All: -0.037+/-0.029 χ^2/NDF: 110.2/91

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 149.257+/-0.038 χ^2/NDF: 1297878.5/18

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 123.451+/-0.030 χ^2/NDF: 3240265.2/24

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

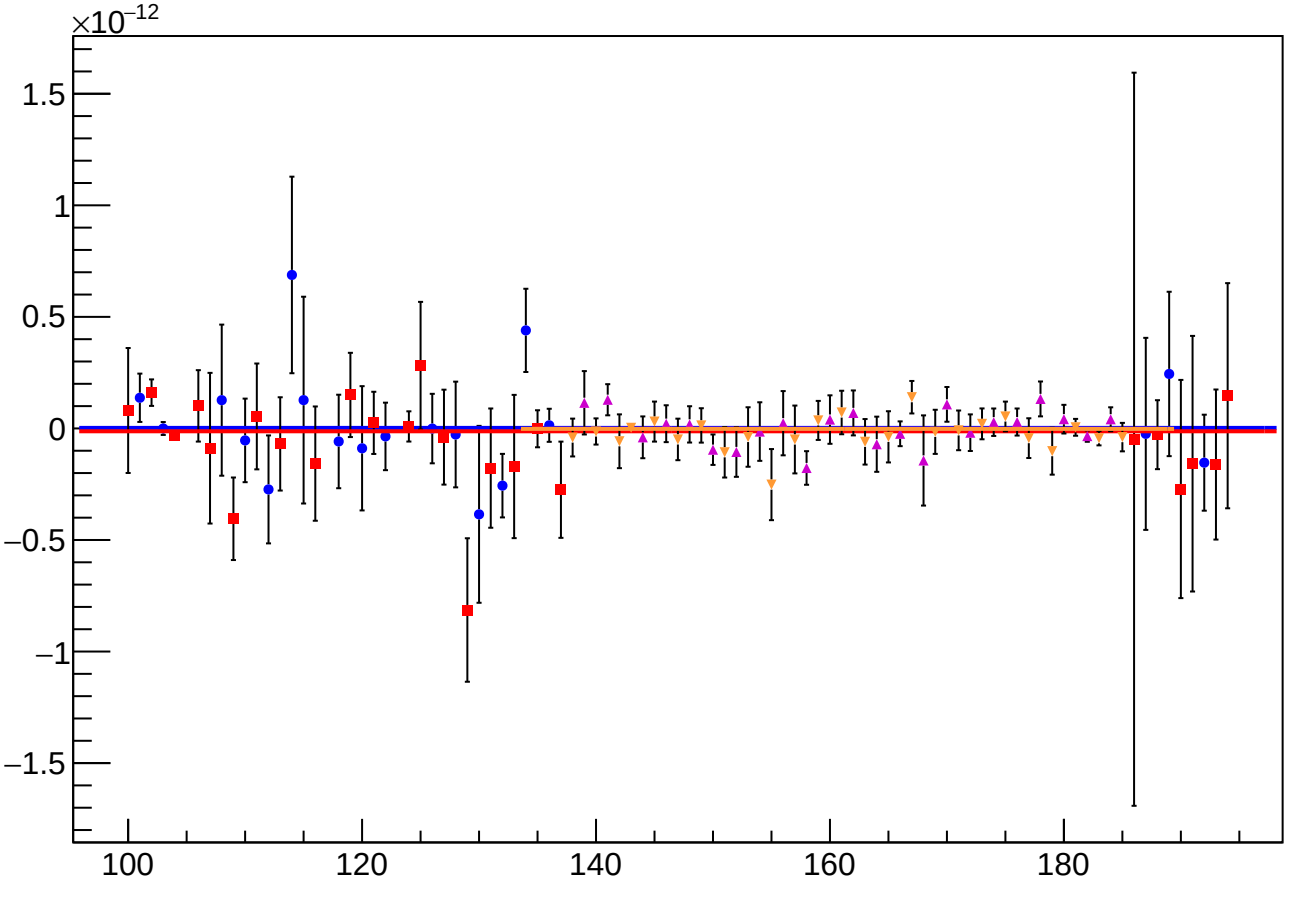
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 133.420+/-0.024 χ^2/NDF: 4820190.4/43

In: 202.290+/-0.032 χ^2/NDF:11977718.7/41

Out: 166.448+/-0.027 χ^2/NDF:19071839.2/49

All: 181.380+/-0.021 χ^2/NDF: 31785754.9/91



Right In: 0.000+/-0.000 χ^2/NDF: 16.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/24

Left In: -0.000+/-0.000 χ^2/NDF:22.5/22

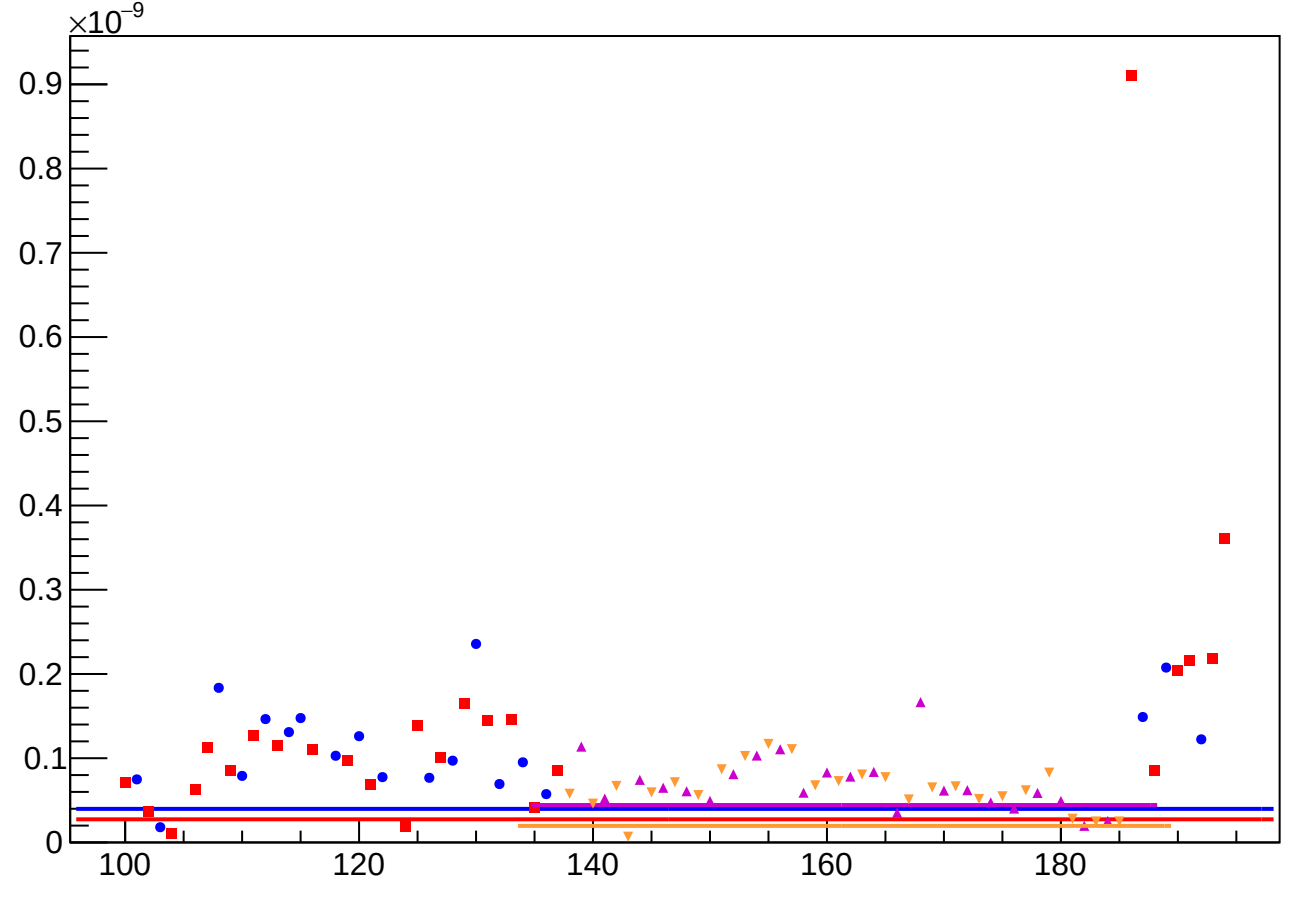
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 42.6/43

In: -0.000+/-0.000 χ^2/NDF:39.1/41

Out: -0.000+/-0.000 χ^2/NDF:39.7/49

All: -0.000+/-0.000 χ^2/NDF: 78.8/91



Right In: 0.000+/-0.000 χ^2/NDF: 4795037.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7584052.2/24

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

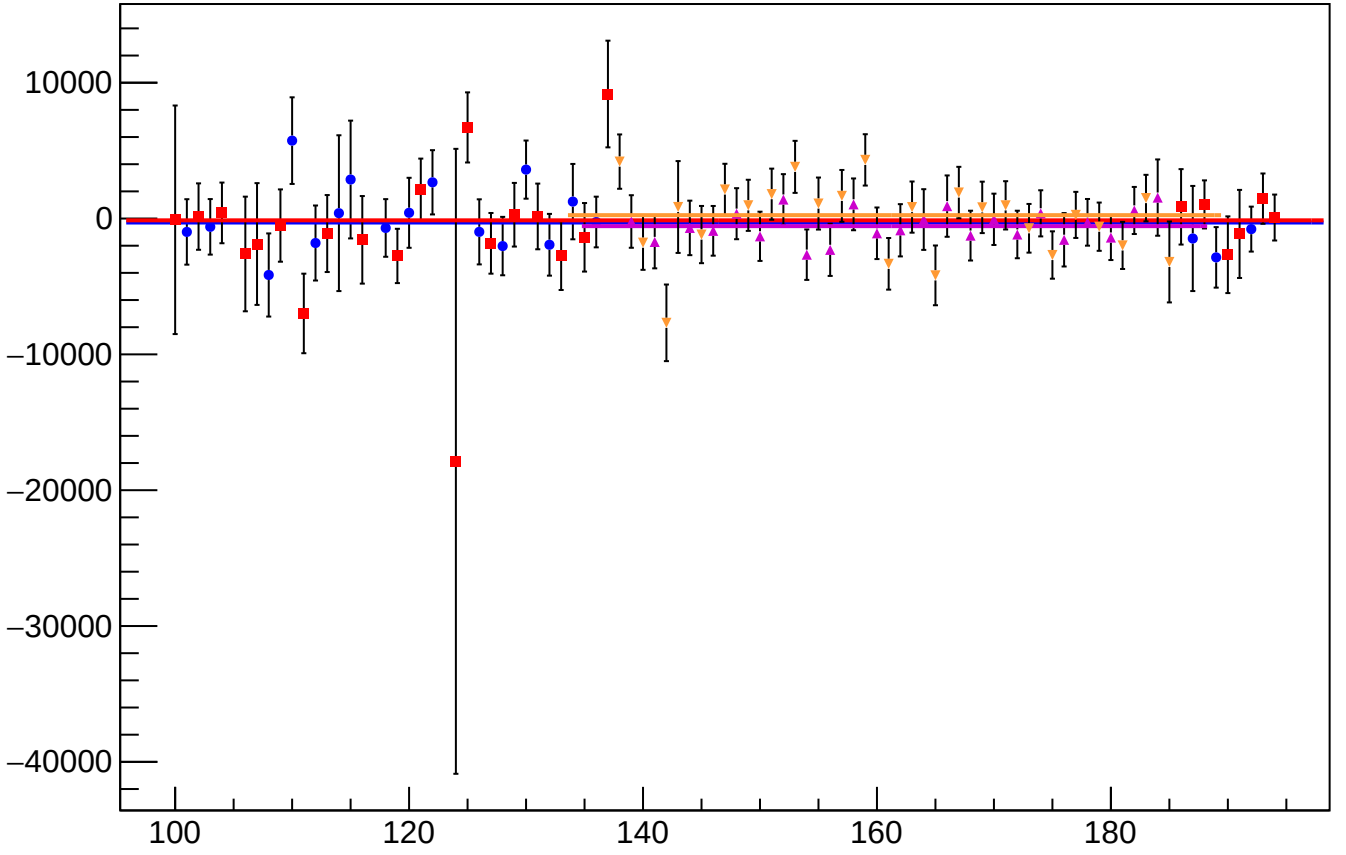
Right: 0.000+/-0.000 χ^2/NDF: 12721805.3/43

In: 0.000+/-0.000 χ^2/NDF:10770467.6/41

Out: 0.000+/-0.000 χ^2/NDF:22769519.7/49

All: 0.000+/-0.000 χ^2/NDF: 38363570.1/91

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -292.631+/-555.932 χ^2/NDF: 14.2/18

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: -132.067+/-512.879 χ^2/NDF: 26.4/24

Left In: -559.995+/-395.112 χ^2/NDF:7.5/22

Left: -149.402+/-277.138 χ^2/NDF: 49.2/47

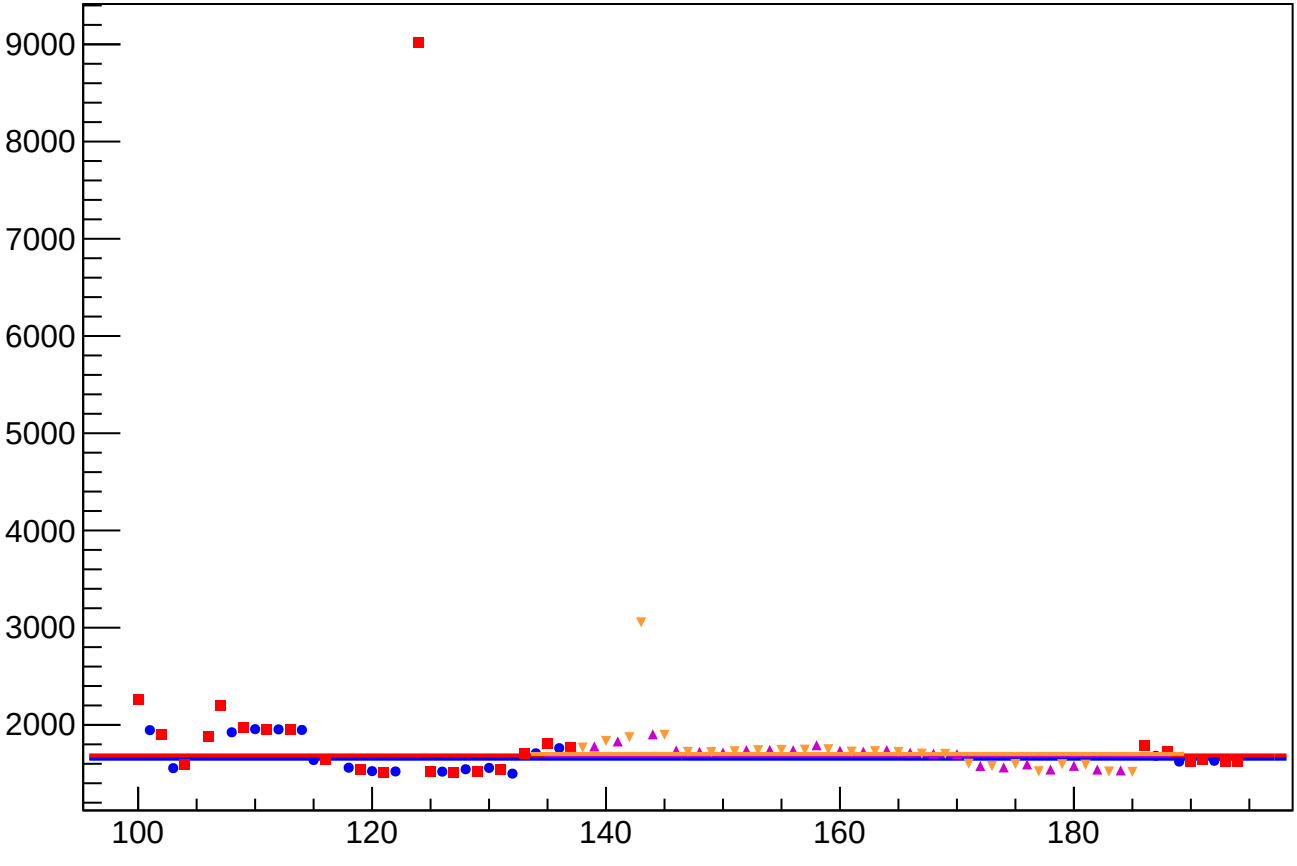
Right: -205.892+/-376.963 χ^2/NDF: 40.7/43

In: -470.267+/-322.058 χ^2/NDF:21.8/41

Out: 109.431+/-309.849 χ^2/NDF:66.4/49

All: -169.222+/-223.288 χ^2/NDF: 89.9/91

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1652.562+/-0.393 χ^2/NDF: 144897.0/18

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1686.082+/-0.362 χ^2/NDF: 396855.4/24

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

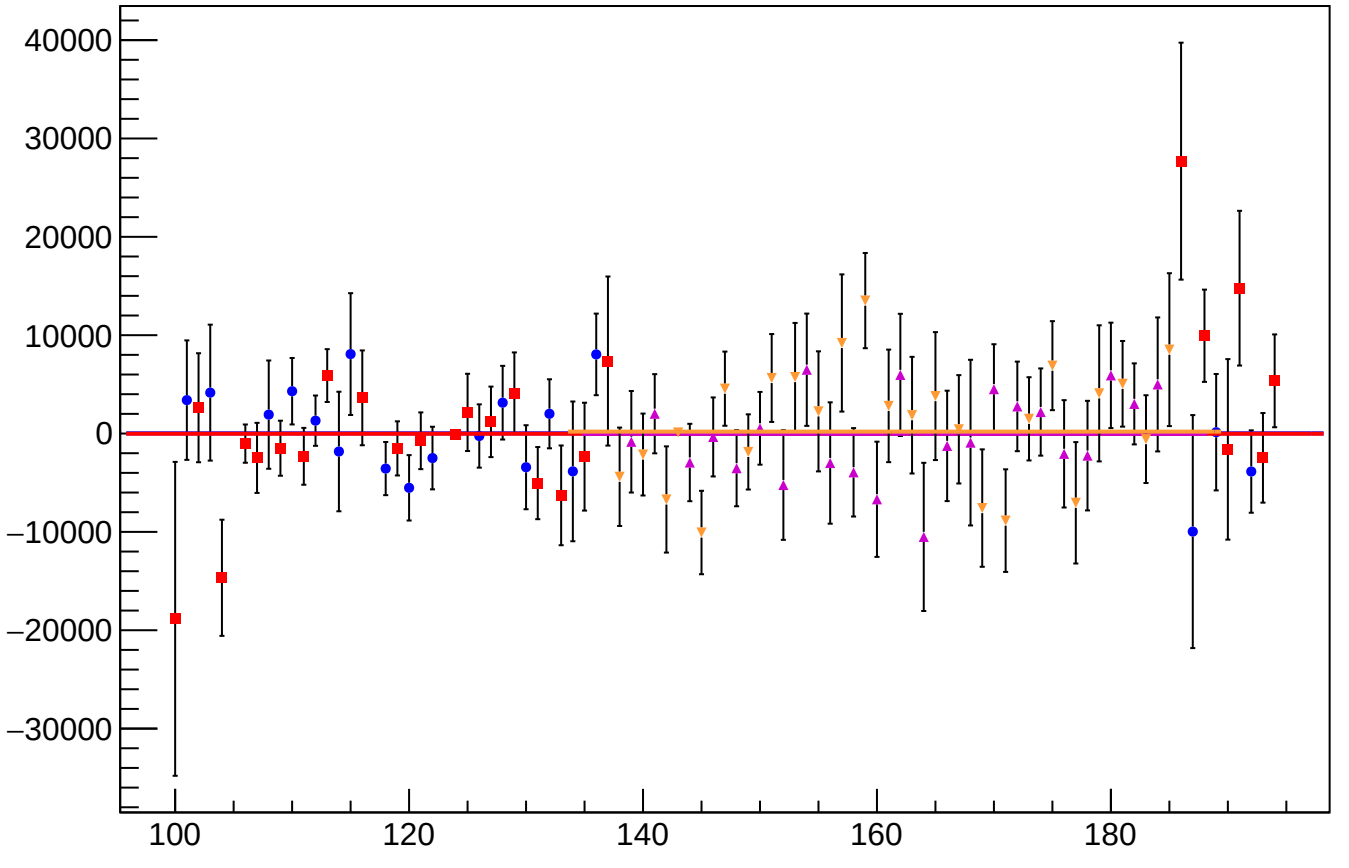
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1670.721+/-0.266 χ^2/NDF: 545691.3/43

In: 1676.943+/-0.228 χ^2/NDF:273004.8/41

Out: 1695.904+/-0.219 χ^2/NDF:850398.9/49

All: 1686.800+/-0.158 χ^2/NDF: 1127007.4/91



Right In: 21.950+/-922.401 χ^2/NDF: 16.9/18

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: -22.052+/-320.812 χ^2/NDF: 35.9/24

Left In: -28.728+/-1025.481 χ^2/NDF:13.3/22

Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

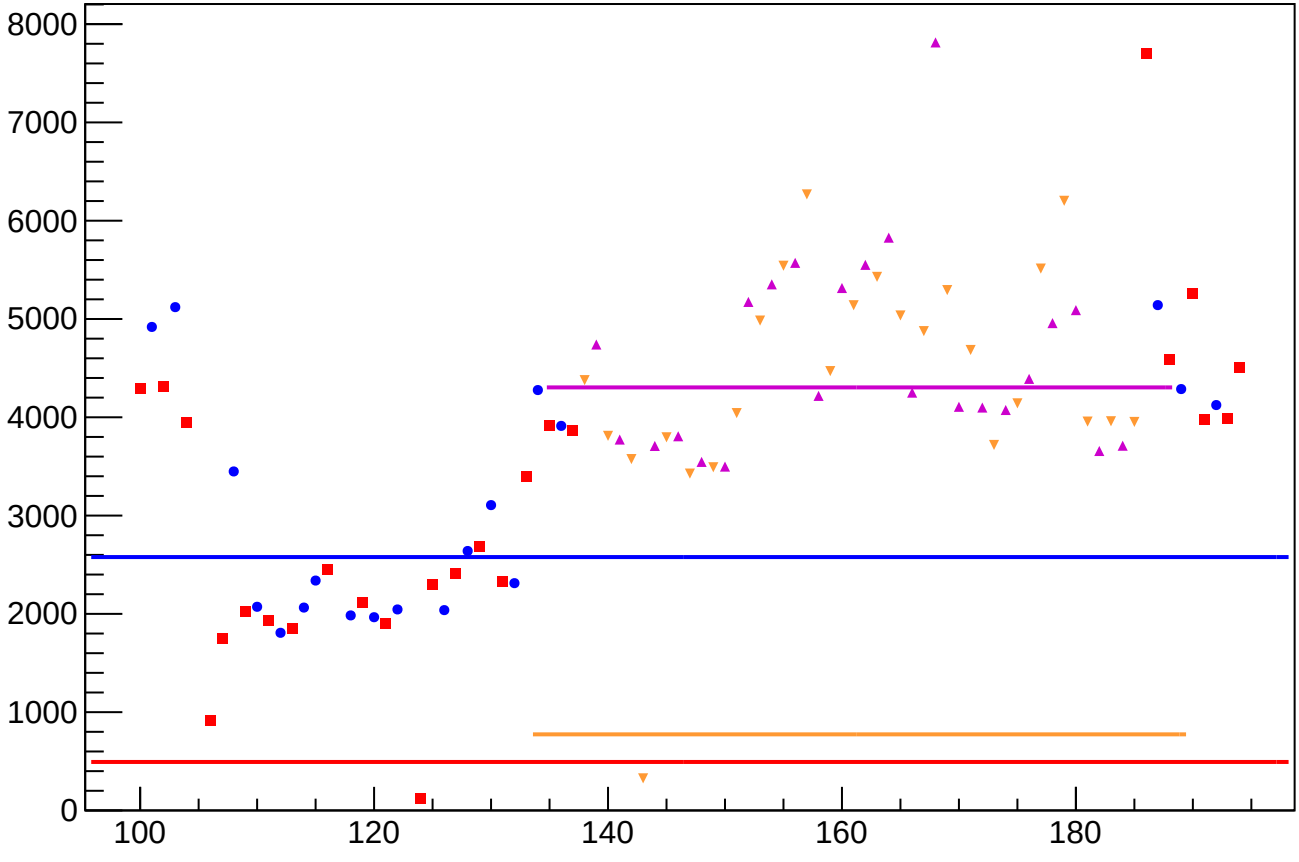
Right: -17.304+/-303.008 χ^2/NDF: 52.8/43

In: -0.715+/-685.792 χ^2/NDF:30.2/41

Out: 78.487+/-234.342 χ^2/NDF:70.0/49

All: 70.206+/-221.753 χ^2/NDF: 100.2/91

asym_atl_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 2577.966+/-0.652 χ^2/NDF: 2035374.5/18

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 493.387+/-0.227 χ^2/NDF: 16965426.3/24

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

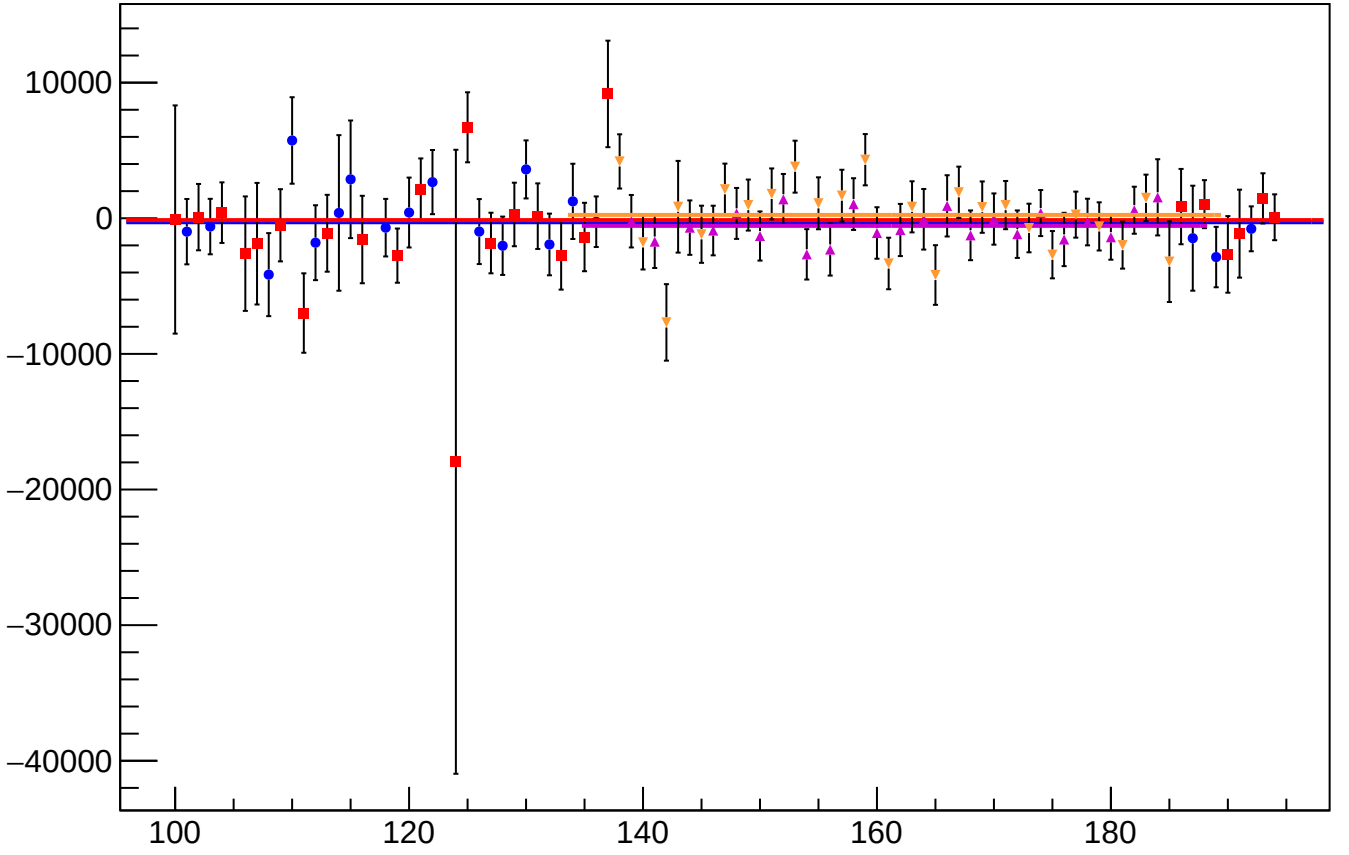
Right: 718.337+/-0.214 χ^2/NDF: 28113249.6/43

In: 3349.901+/-0.485 χ^2/NDF:6383957.0/41

Out: 624.379+/-0.166 χ^2/NDF:45765908.6/49

All: 909.351+/-0.157 χ^2/NDF: 80436576.3/91

cor_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -292.689+/-555.932 χ^2/NDF: 14.2/18

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -134.876+/-512.882 χ^2/NDF: 26.4/24

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

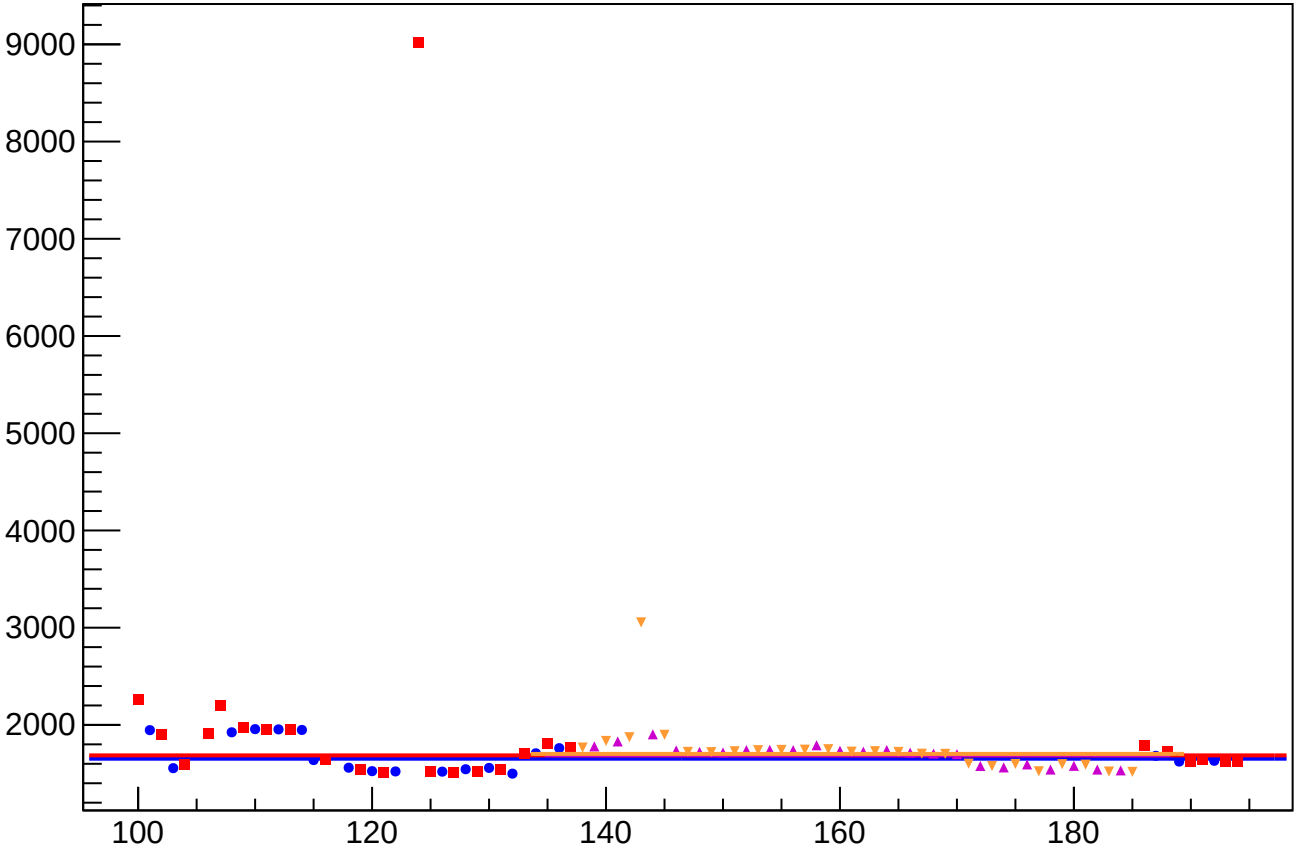
Right: -207.436+/-376.964 χ^2/NDF: 40.7/43

In: -470.263+/-322.058 χ^2/NDF:21.8/41

Out: 108.396+/-309.850 χ^2/NDF:66.4/49

All: -169.758+/-223.288 χ^2/NDF: 89.9/91

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1652.562+/-0.393 χ^2/NDF: 144897.0/18

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1686.598+/-0.362 χ^2/NDF: 398690.5/24

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

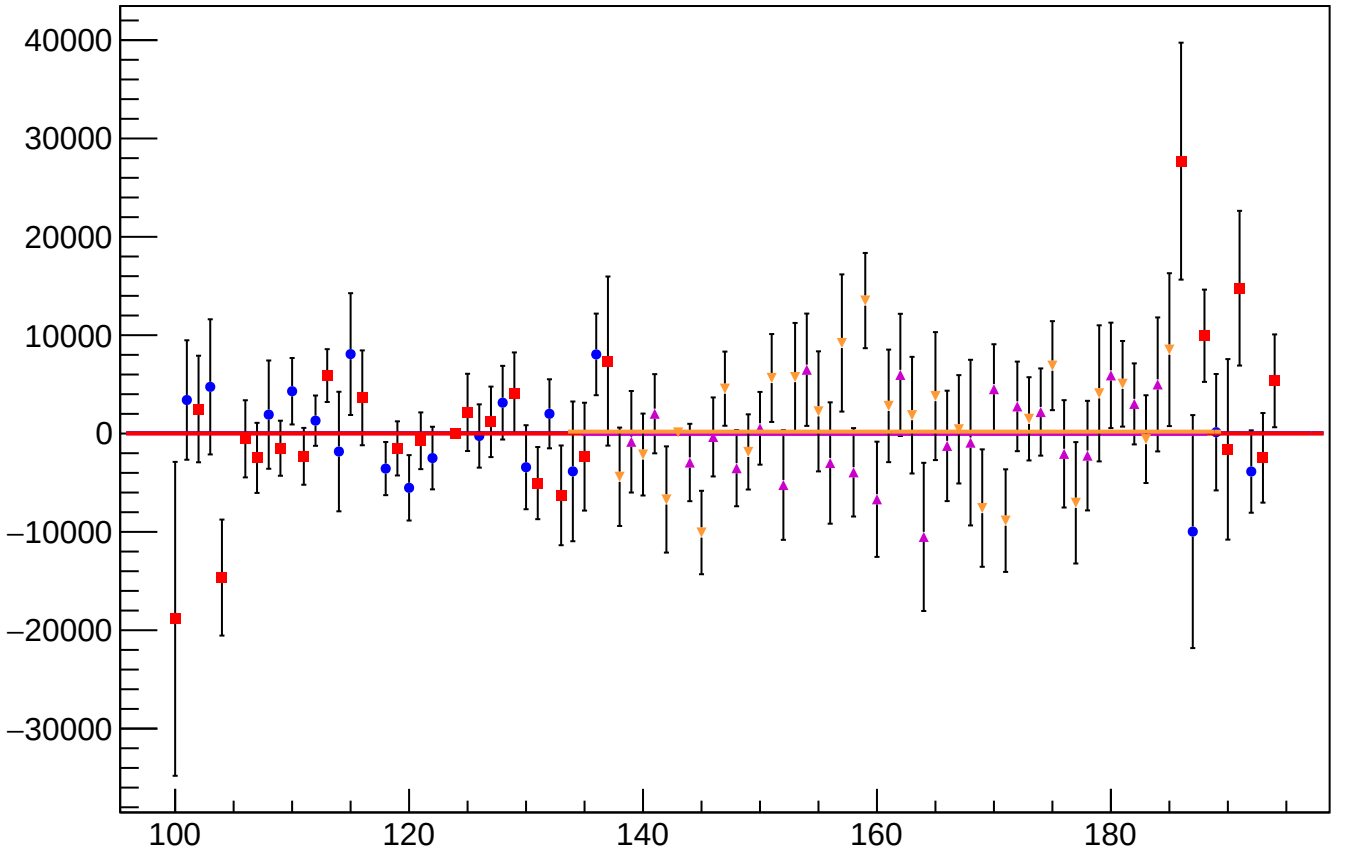
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1670.994+/-0.266 χ^2/NDF: 547647.3/43

In: 1676.943+/-0.228 χ^2/NDF:273004.9/41

Out: 1696.095+/-0.219 χ^2/NDF:852157.5/49

All: 1686.898+/-0.158 χ^2/NDF: 1128838.6/91



Right In: 33.606+/-922.296 χ^2/NDF: 17.0/18

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 5.783+/-313.062 χ^2/NDF: 35.6/24

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

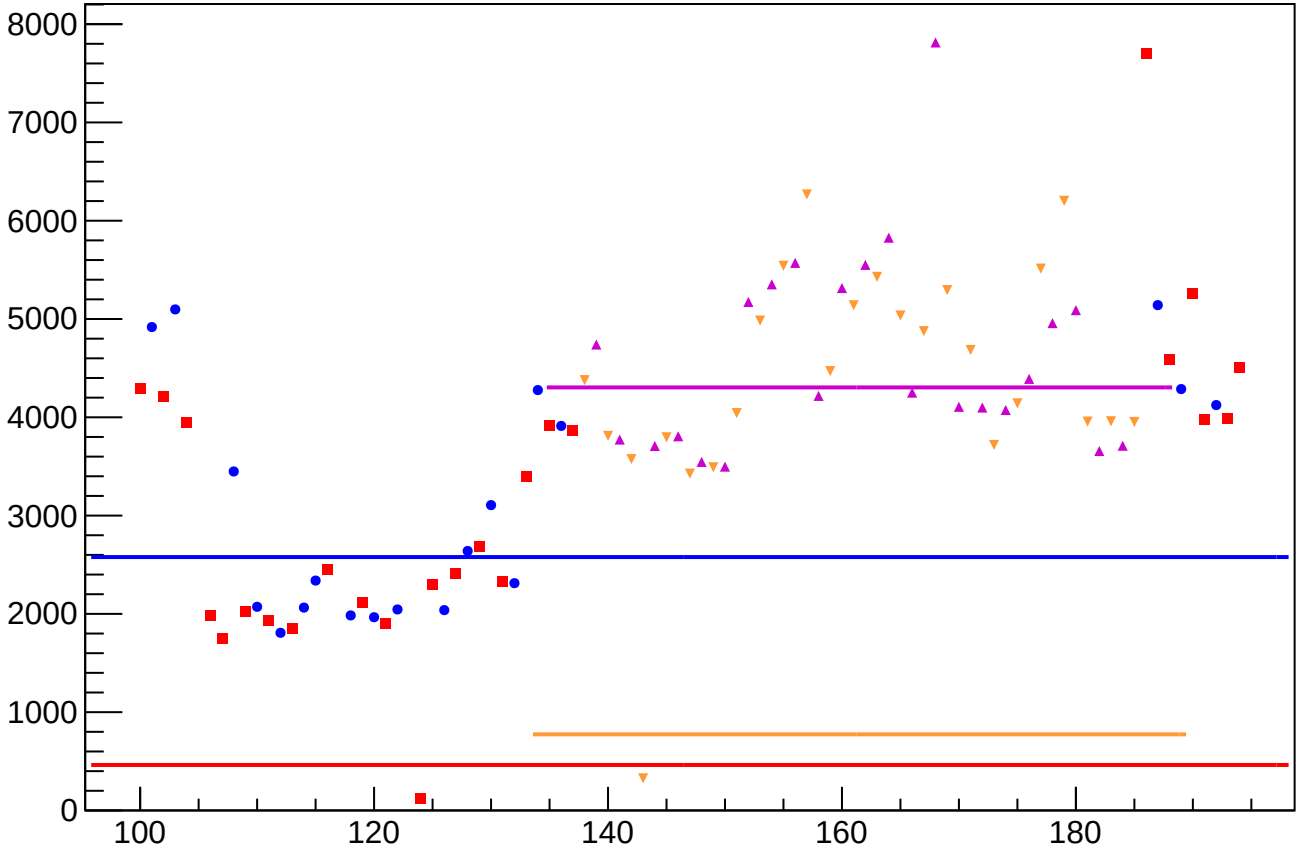
Right: 8.657+/-296.449 χ^2/NDF: 52.6/43

In: 5.715+/-685.749 χ^2/NDF:30.3/41

Out: 91.252+/-231.262 χ^2/NDF:69.7/49

All: 82.518+/-219.136 χ^2/NDF: 100.0/91

asym_atl_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 2578.085+/-0.652 χ^2/NDF: 2033588.7/18

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 462.741+/-0.221 χ^2/NDF: 17391823.1/24

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

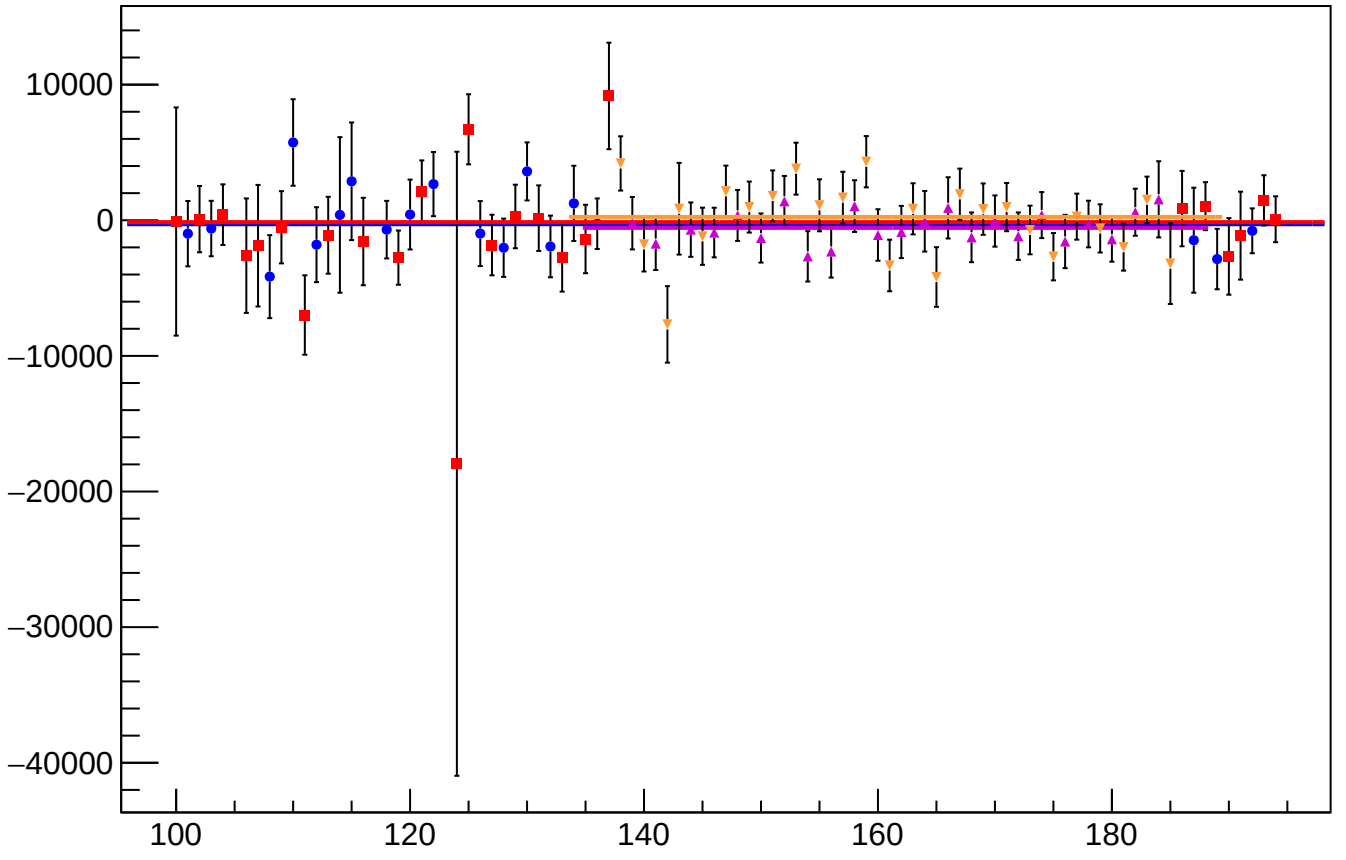
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 681.285+/-0.210 χ^2/NDF: 28859323.8/43

In: 3349.869+/-0.485 χ^2/NDF:6382033.8/41

Out: 604.213+/-0.164 χ^2/NDF:46377285.6/49

All: 884.591+/-0.155 χ^2/NDF: 81547354.2/91



Right In: -292.689+/-555.932 χ^2/NDF: 14.2/18

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -134.876+/-512.882 χ^2/NDF: 26.4/24

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

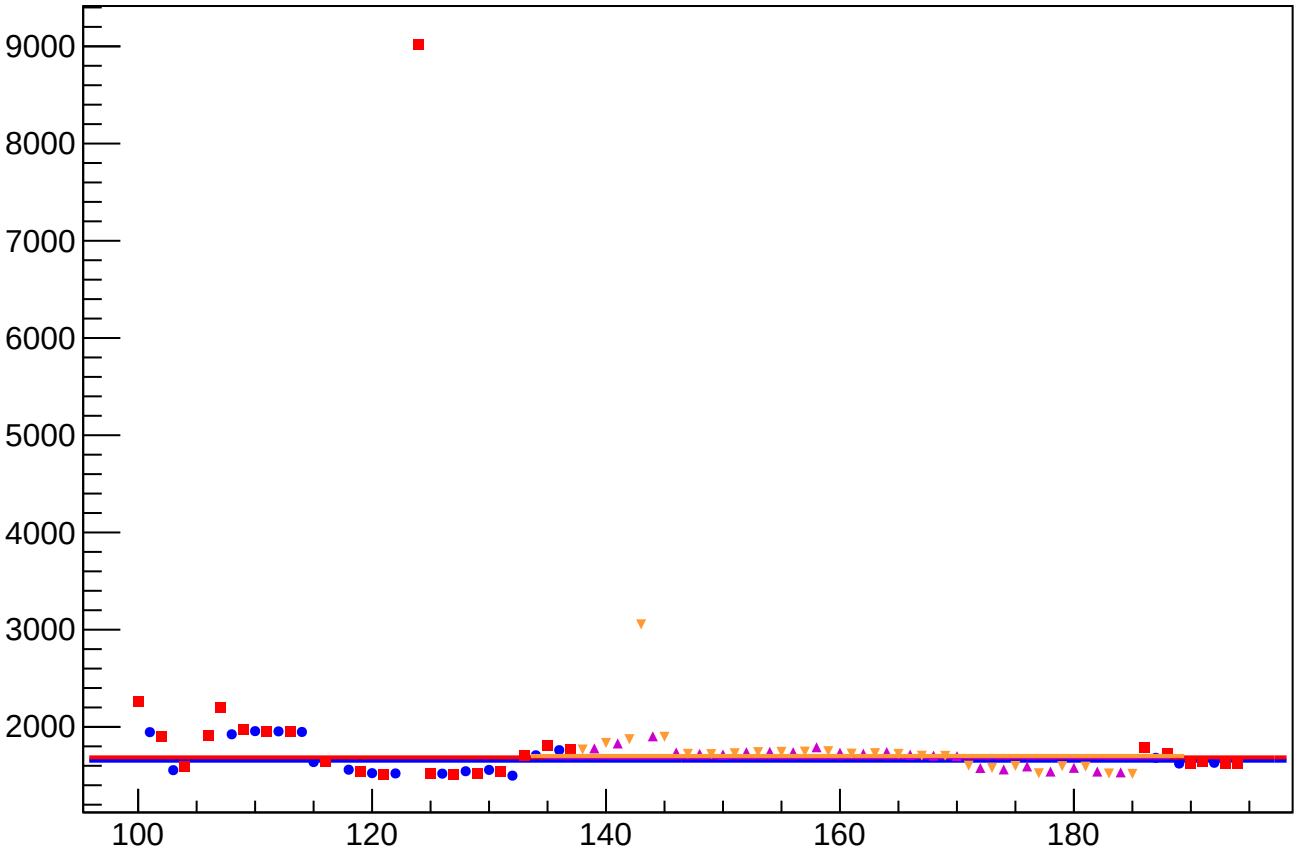
Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

Right: -207.436+/-376.964 χ^2/NDF: 40.7/43

In: -470.263+/-322.058 χ^2/NDF:21.8/41

Out: 108.396+/-309.850 χ^2/NDF:66.4/49

All: -169.758+/-223.288 χ^2/NDF: 89.9/91



Right In: 1652.562+/-0.393 χ^2/NDF: 144897.0/18

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1686.598+/-0.362 χ^2/NDF: 398690.5/24

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

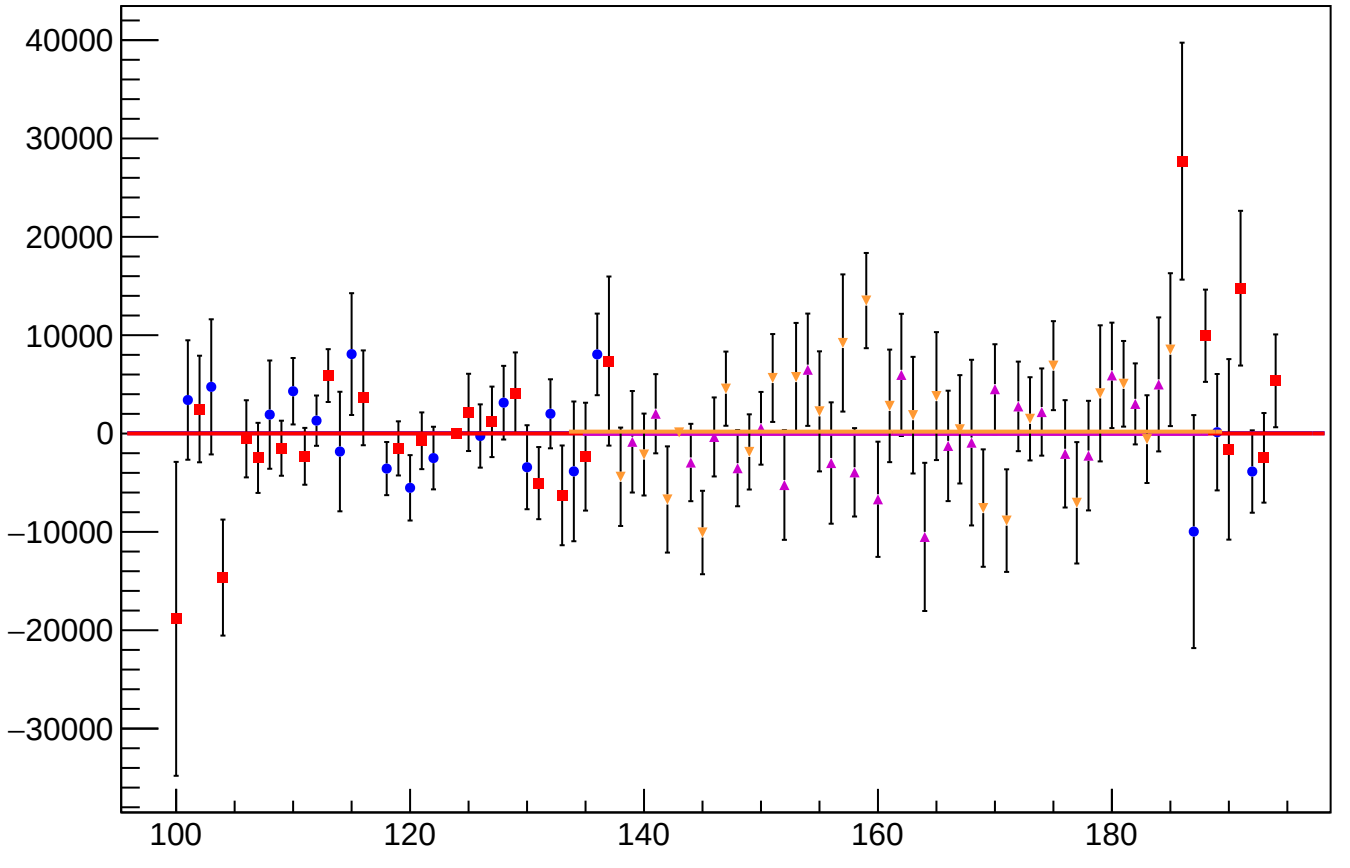
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1670.994+/-0.266 χ^2/NDF: 547647.3/43

In: 1676.943+/-0.228 χ^2/NDF:273004.9/41

Out: 1696.095+/-0.219 χ^2/NDF:852157.5/49

All: 1686.898+/-0.158 χ^2/NDF: 1128838.6/91



Right In: 33.606+/-922.296 χ^2/NDF: 17.0/18

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 5.783+/-313.062 χ^2/NDF: 35.6/24

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

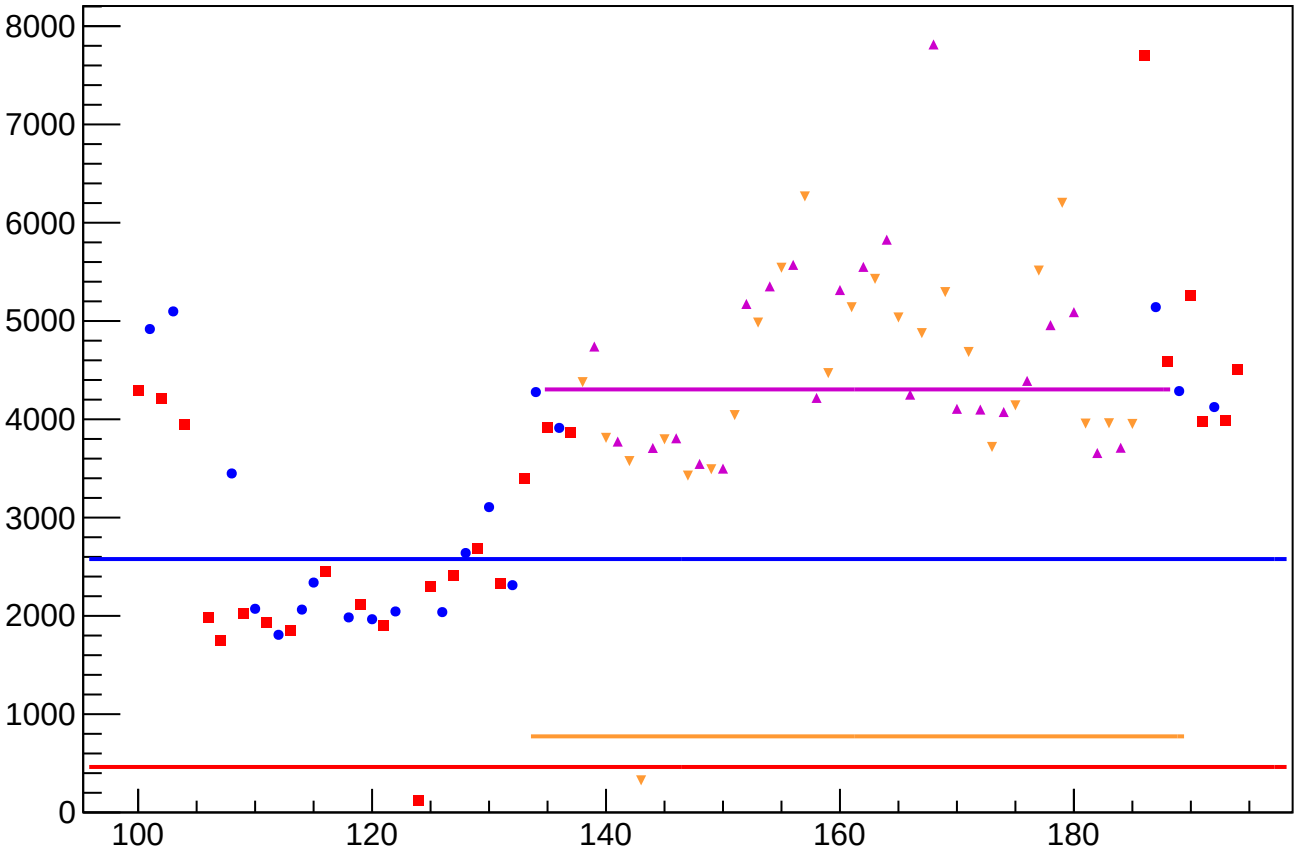
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: 8.657+/-296.449 χ^2/NDF: 52.6/43

In: 5.715+/-685.749 χ^2/NDF:30.3/41

Out: 91.252+/-231.262 χ^2/NDF:69.7/49

All: 82.518+/-219.136 χ^2/NDF: 100.0/91



Right In: 2578.085+/-0.652 χ^2/NDF: 2033588.7/18

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 462.741+/-0.221 χ^2/NDF: 17391823.1/24

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

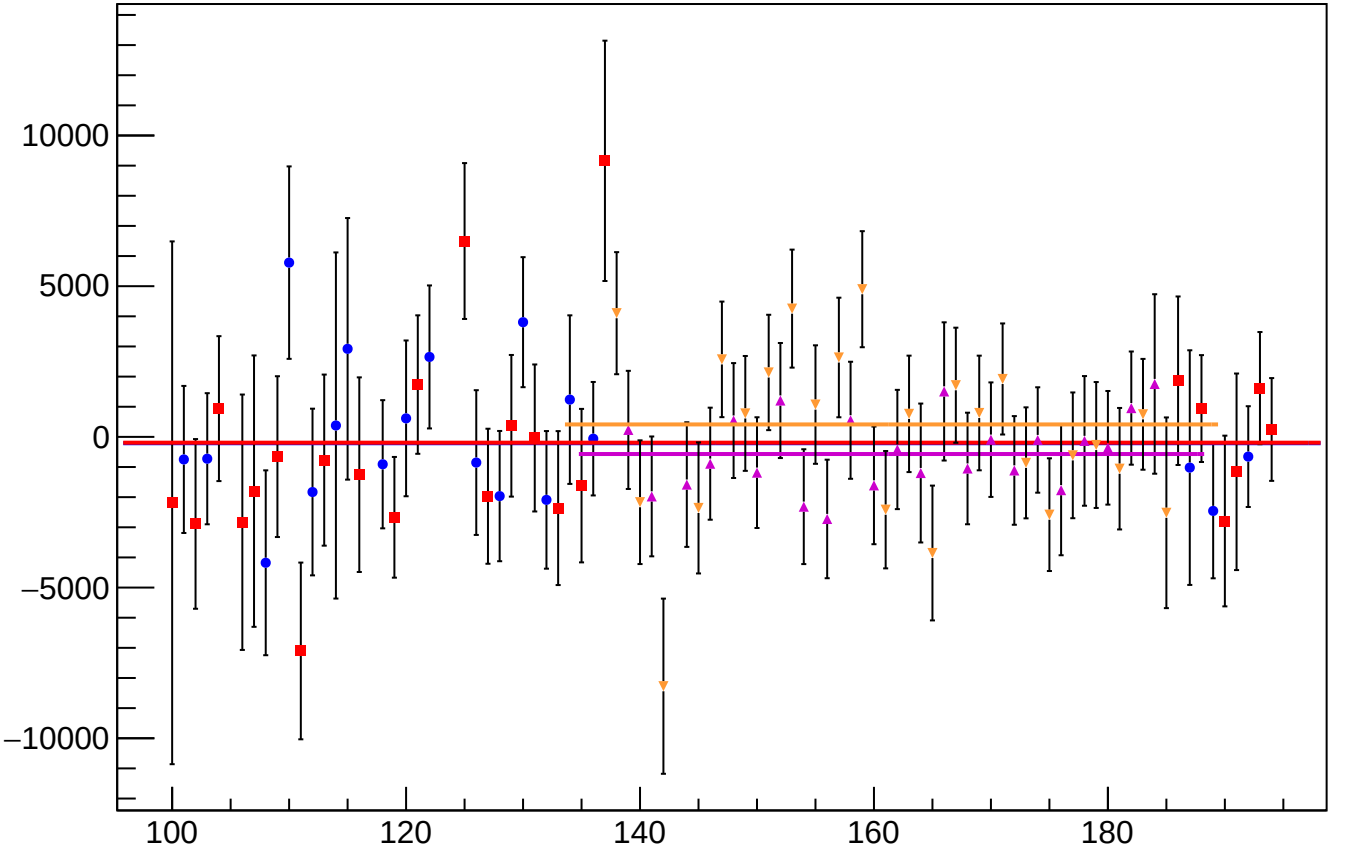
Right: 681.285+/-0.210 χ^2/NDF: 28859323.8/43

In: 3349.869+/-0.485 χ^2/NDF:6382033.8/41

Out: 604.213+/-0.164 χ^2/NDF:46377285.6/49

All: 884.591+/-0.155 χ^2/NDF: 81547354.2/91

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -210.969+/-561.267 χ^2/NDF: 14.1/18

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: -192.536+/-519.963 χ^2/NDF: 26.5/23

Left In: -568.823+/-412.052 χ^2/NDF:7.7/22

Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

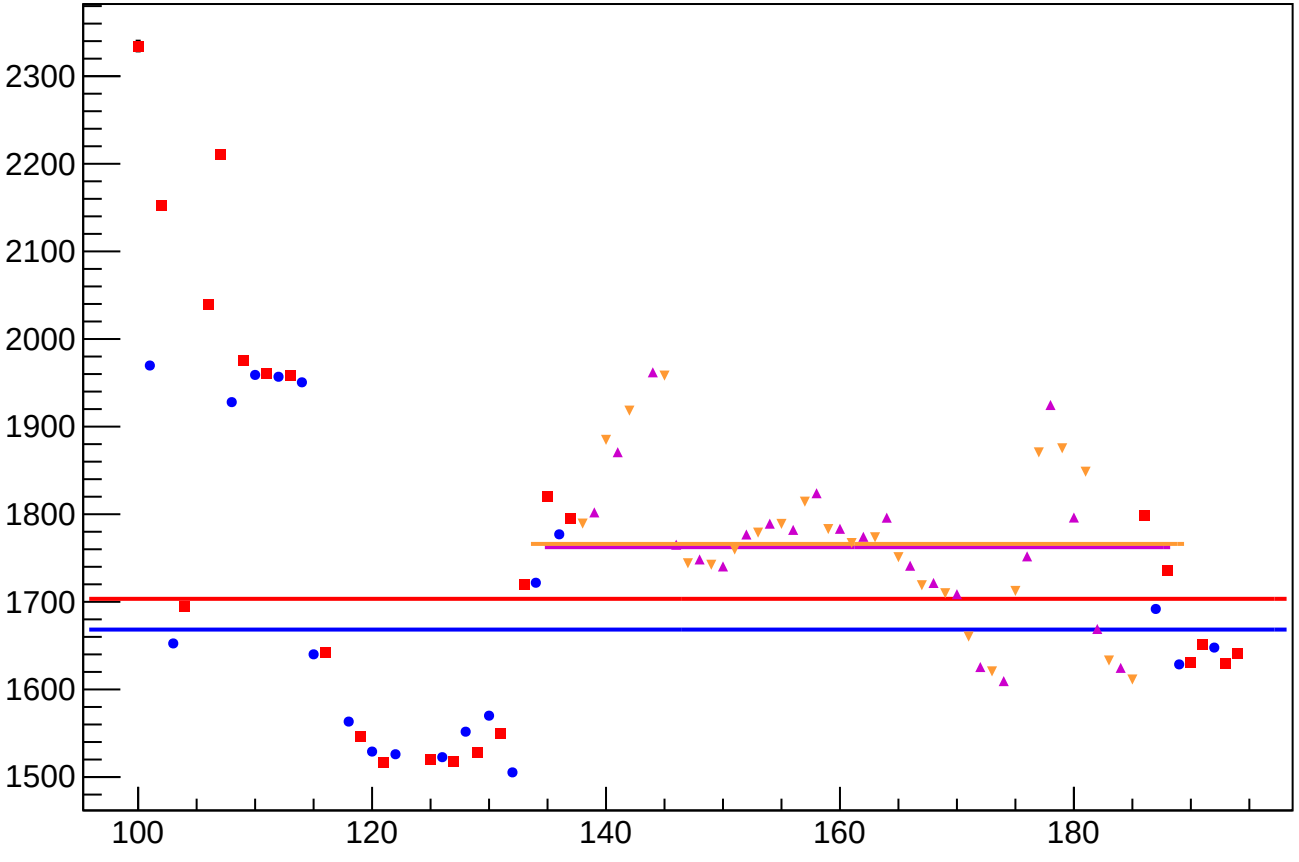
Right: -201.049+/-381.437 χ^2/NDF: 40.6/42

In: -443.497+/-332.152 χ^2/NDF:22.1/41

Out: 180.663+/-322.211 χ^2/NDF:67.3/47

All: -121.937+/-231.272 χ^2/NDF: 91.2/89

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1668.337+/-0.397 χ^2/NDF: 142028.7/18

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1703.432+/-0.367 χ^2/NDF: 239263.2/23

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

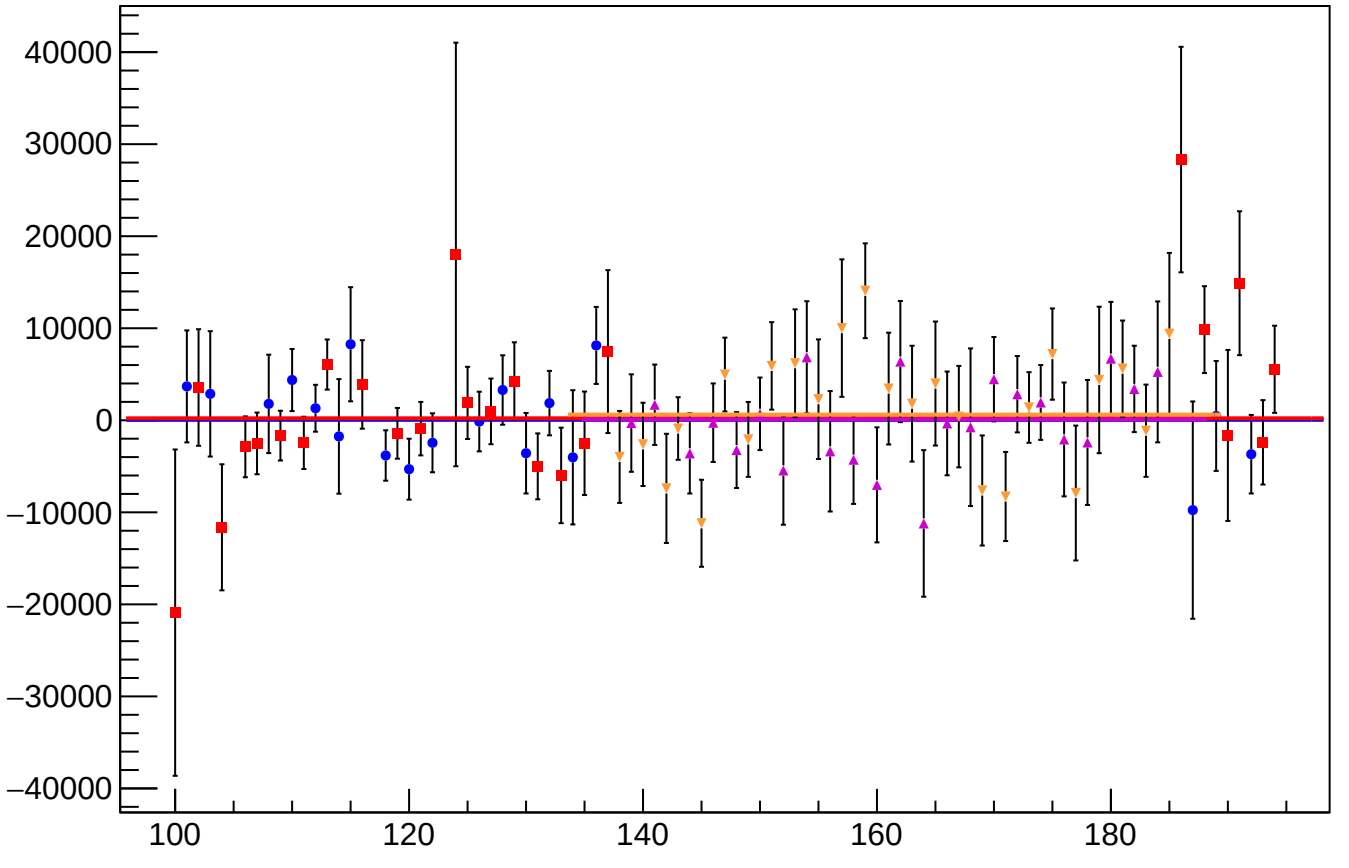
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1687.249+/-0.269 χ^2/NDF: 385505.6/42

In: 1729.461+/-0.235 χ^2/NDF:258623.7/41

Out: 1742.000+/-0.228 χ^2/NDF:340453.7/47

All: 1735.925+/-0.163 χ^2/NDF: 600546.5/89



Right In: 50.904+/-926.586 χ^2/NDF: 16.8/18

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: 213.397+/-830.025 χ^2/NDF: 34.1/24

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

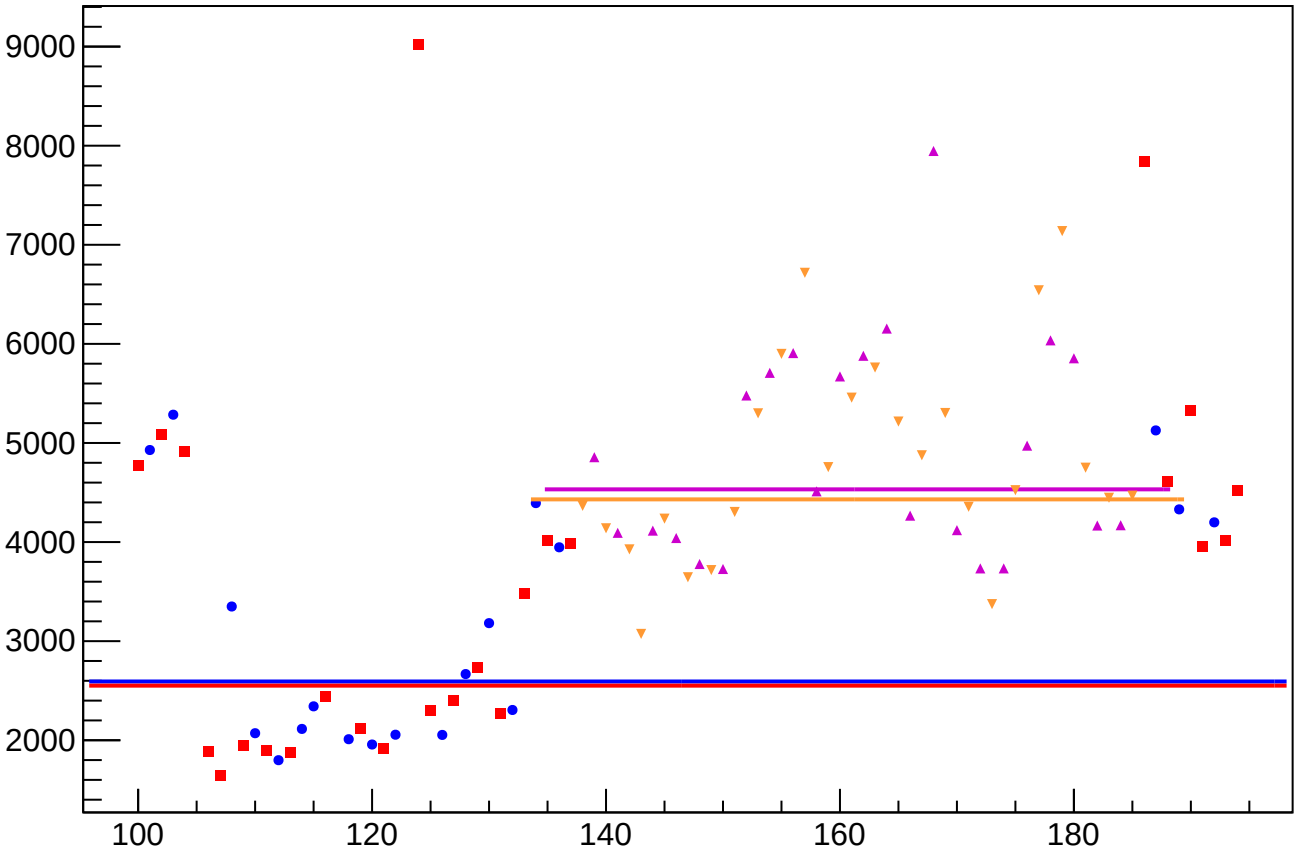
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: 141.055+/-618.246 χ^2/NDF: 50.9/43

In: 65.538+/-703.927 χ^2/NDF:29.7/41

Out: 372.475+/-647.438 χ^2/NDF:67.2/49

All: 231.814+/-476.529 χ^2/NDF: 97.0/91



Right In: 2592.967+/-0.655 χ^2/NDF: 2107164.2/18

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 2551.078+/-0.587 χ^2/NDF: 3276661.1/24

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

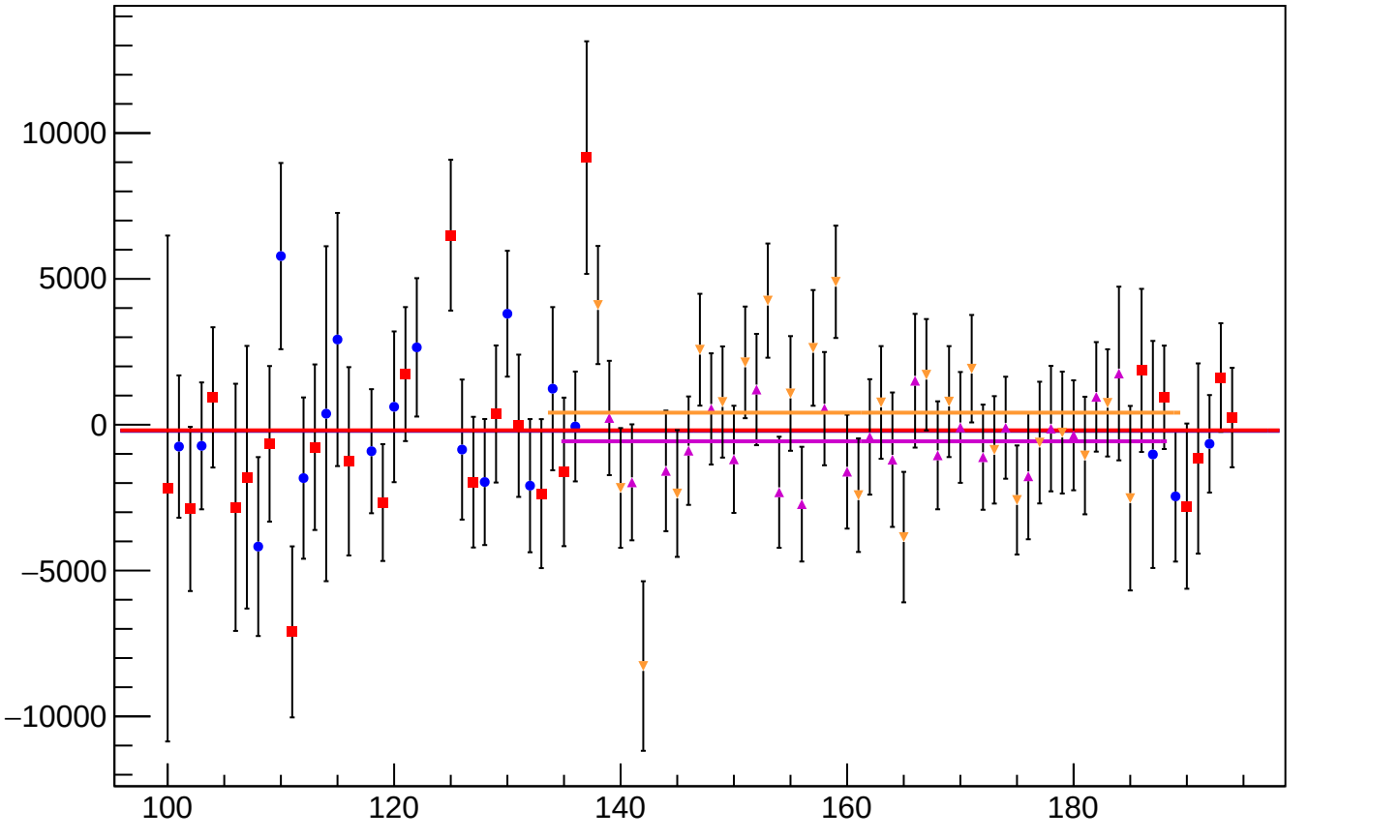
Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

Right: 2569.727+/-0.437 χ^2/NDF: 5386093.1/43

In: 3412.876+/-0.498 χ^2/NDF:7187002.8/41

Out: 3287.109+/-0.458 χ^2/NDF:8906331.2/49

All: 3344.745+/-0.337 χ^2/NDF: 16127919.1/9



Right In: -210.971+/-561.267 χ^2/NDF: 14.1/18

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: -192.537+/-519.963 χ^2/NDF: 26.5/23

Left In: -568.821+/-412.052 χ^2/NDF:7.7/22

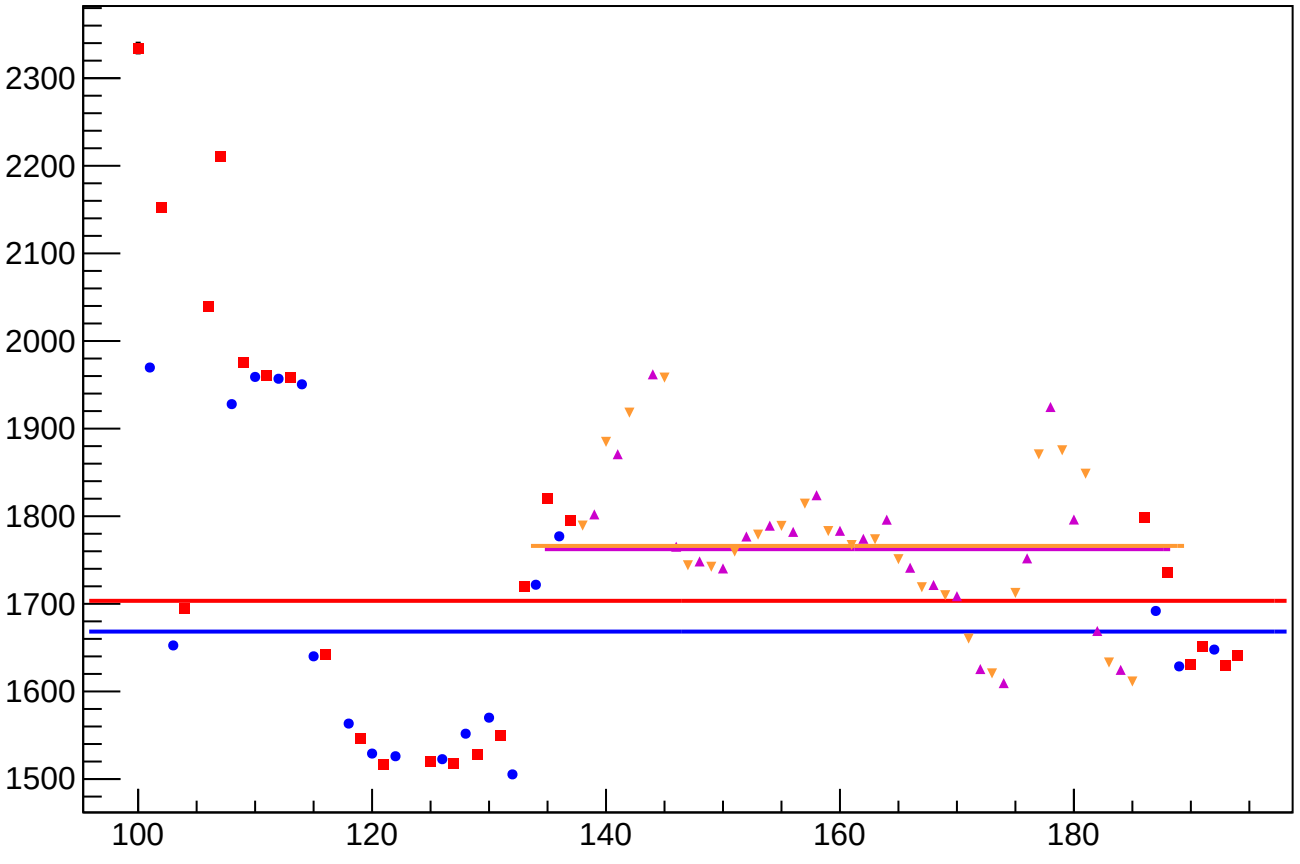
Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

Right: -201.051+/-381.436 χ^2/NDF: 40.6/42

In: -443.497+/-332.152 χ^2/NDF:22.1/41

Out: 180.663+/-322.211 χ^2/NDF:67.3/47

All: -121.937+/-231.272 χ^2/NDF: 91.2/89



Right In: 1668.337+/-0.397 χ^2/NDF: 142028.8/18

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1703.431+/-0.367 χ^2/NDF: 239262.3/23

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

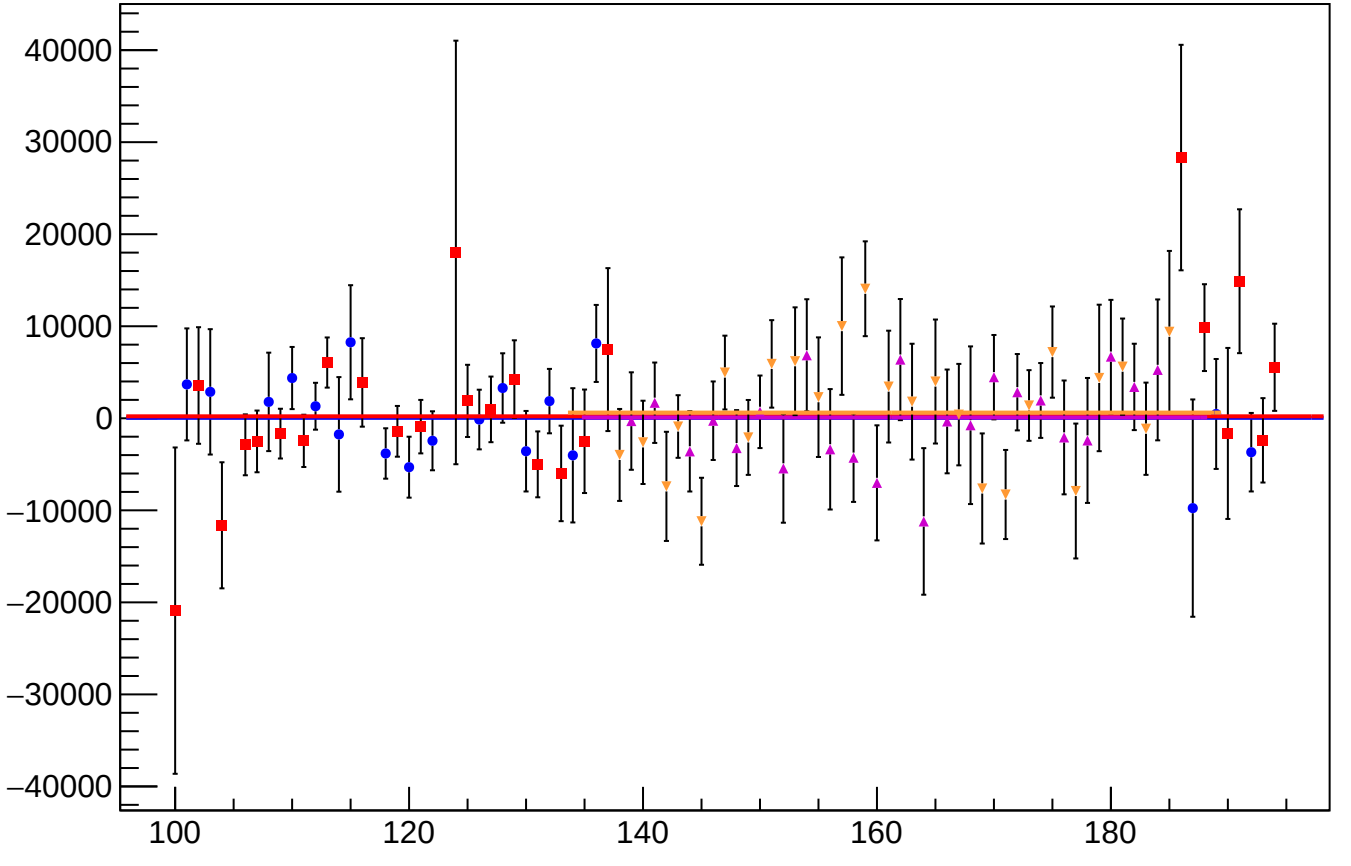
Right: 1687.249+/-0.269 χ^2/NDF: 385504.9/42

In: 1729.462+/-0.235 χ^2/NDF:258627.4/41

Out: 1742.000+/-0.228 χ^2/NDF:340456.4/47

All: 1735.925+/-0.163 χ^2/NDF: 600552.9/89

asym_atl_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 50.900+/-926.583 χ^2/NDF: 16.8/18

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: 213.391+/-830.023 χ^2/NDF: 34.1/24

Left In: 85.511+/-1082.509 χ^2/NDF:12.9/22

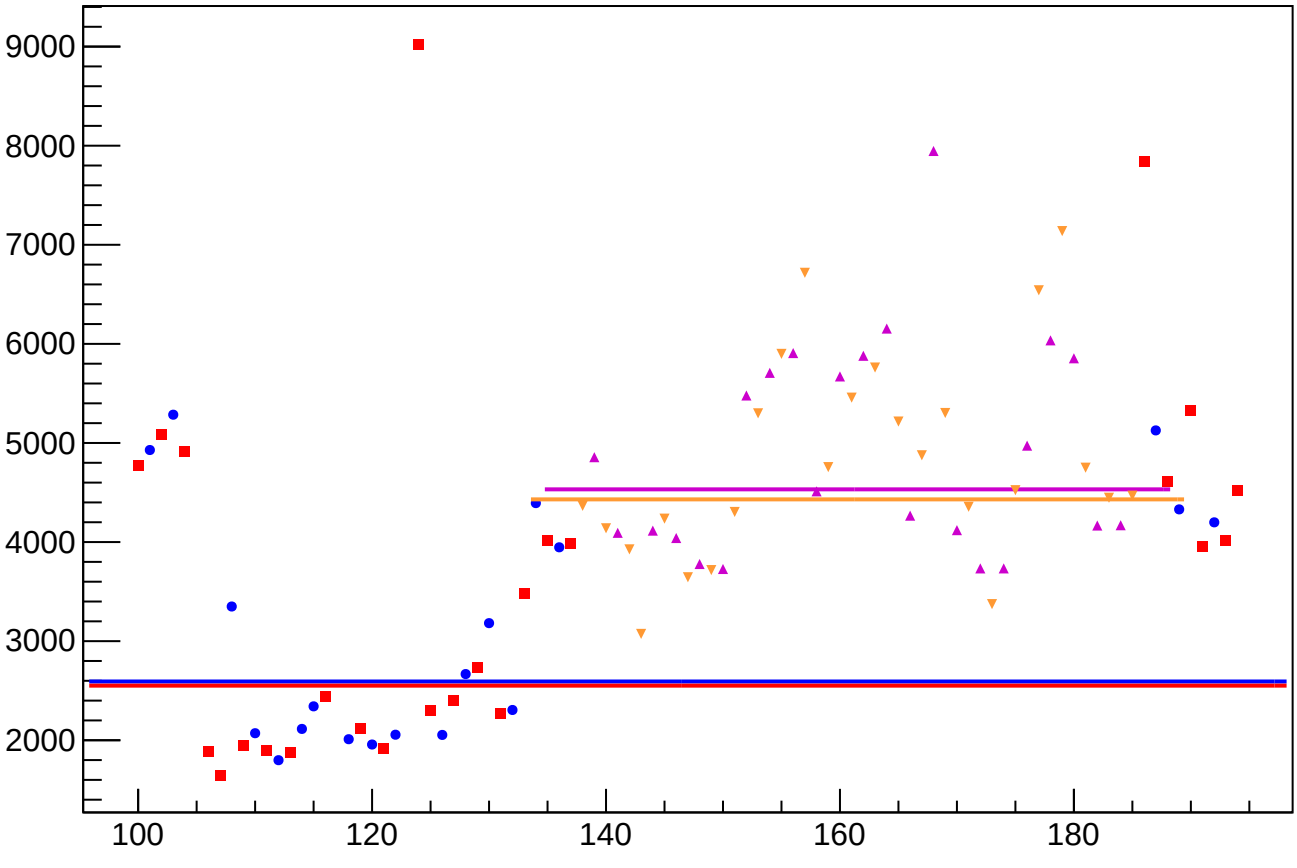
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: 141.051+/-618.244 χ^2/NDF: 50.9/43

In: 65.536+/-703.926 χ^2/NDF:29.7/41

Out: 372.472+/-647.438 χ^2/NDF:67.2/49

All: 231.812+/-476.528 χ^2/NDF: 97.0/91



Right In: 2592.957+/-0.655 χ^2/NDF: 2107187.0/18

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

Right Out: 2551.069+/-0.587 χ^2/NDF: 3276687.6/24

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

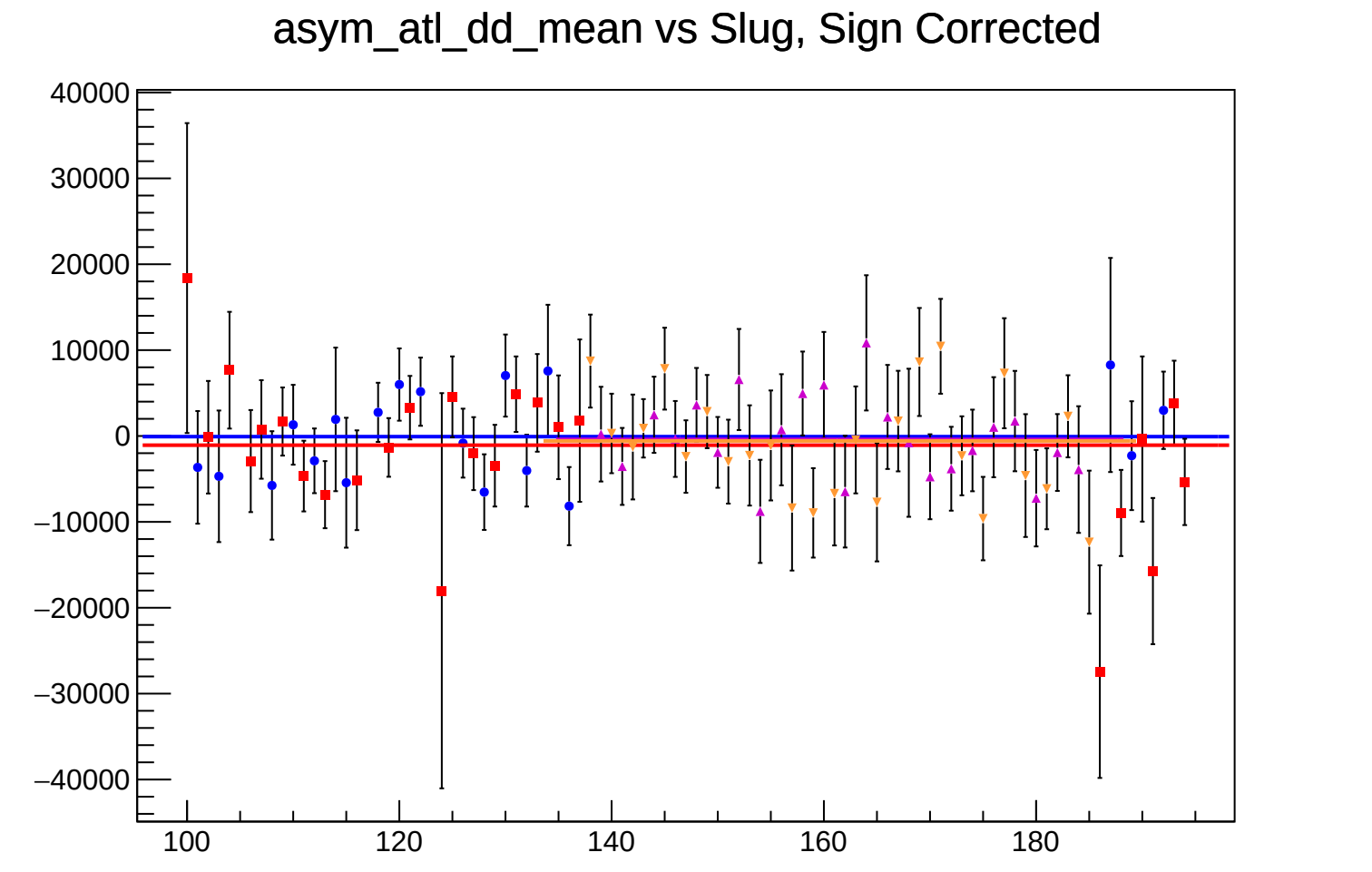
Left: 4479.092+/-0.529 χ^2/NDF: 2998873.4/47

Right: 2569.717+/-0.437 χ^2/NDF: 5386142.2/43

In: 3412.868+/-0.498 χ^2/NDF:7187099.5/41

Out: 3287.102+/-0.458 χ^2/NDF:8906428.9/49

All: 3344.737+/-0.337 χ^2/NDF: 16128113.0/9



Right In: -73.085+/-1133.636 χ^2/NDF: 17.6/18

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: -1069.921+/-1052.295 χ^2/NDF: 25.1/24

Left In: -398.404+/-1109.490 χ^2/NDF:14.0/22

Left: -490.172+/-764.473 χ^2/NDF: 42.8/47

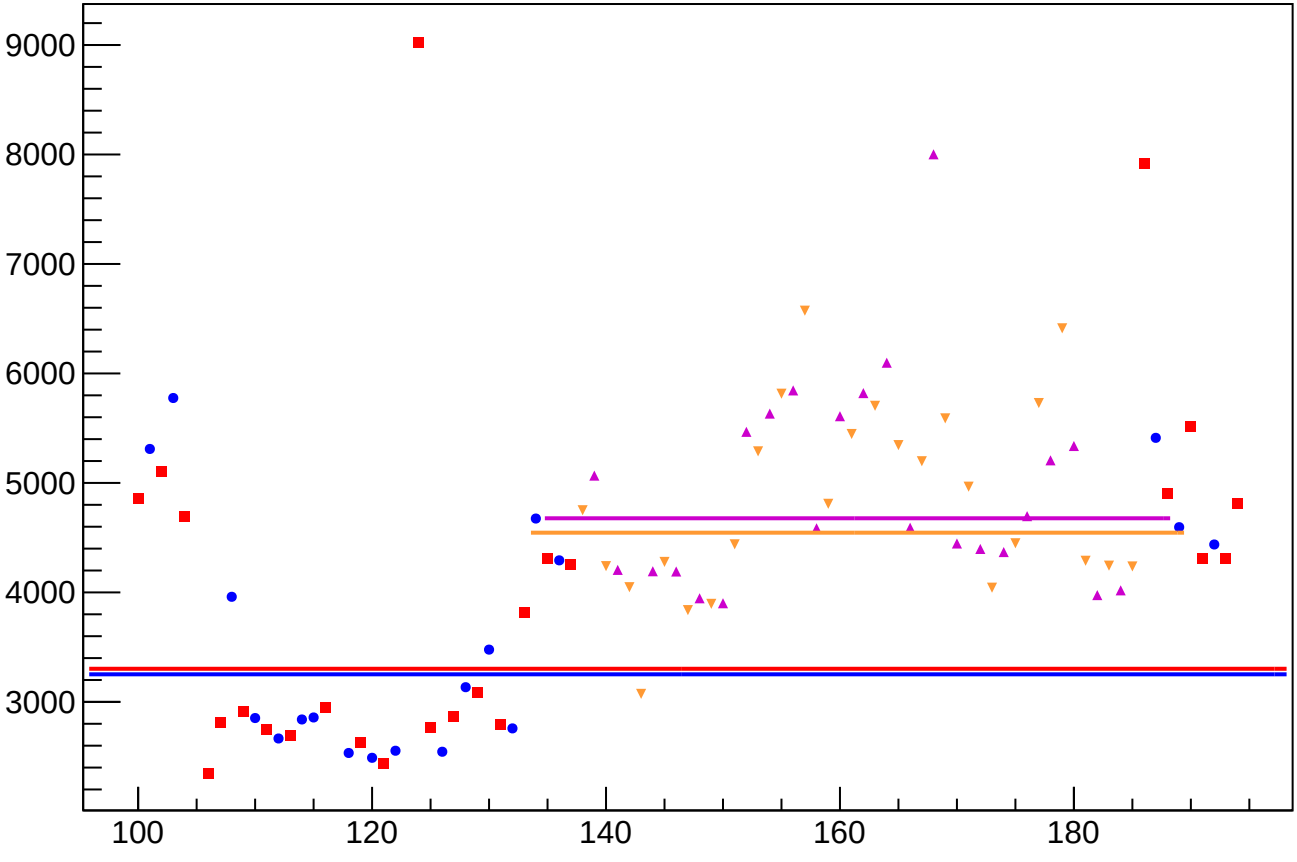
Right: -608.545+/-771.239 χ^2/NDF: 43.2/43

In: -239.246+/-792.927 χ^2/NDF:31.7/41

Out: -822.120+/-744.982 χ^2/NDF:54.0/49

All: -548.837+/-542.941 χ^2/NDF: 86.0/91

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3251.792+/-0.802 χ^2/NDF: 1284332.4/18

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

Right Out: 3302.448+/-0.736 χ^2/NDF: 1827447.4/24

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

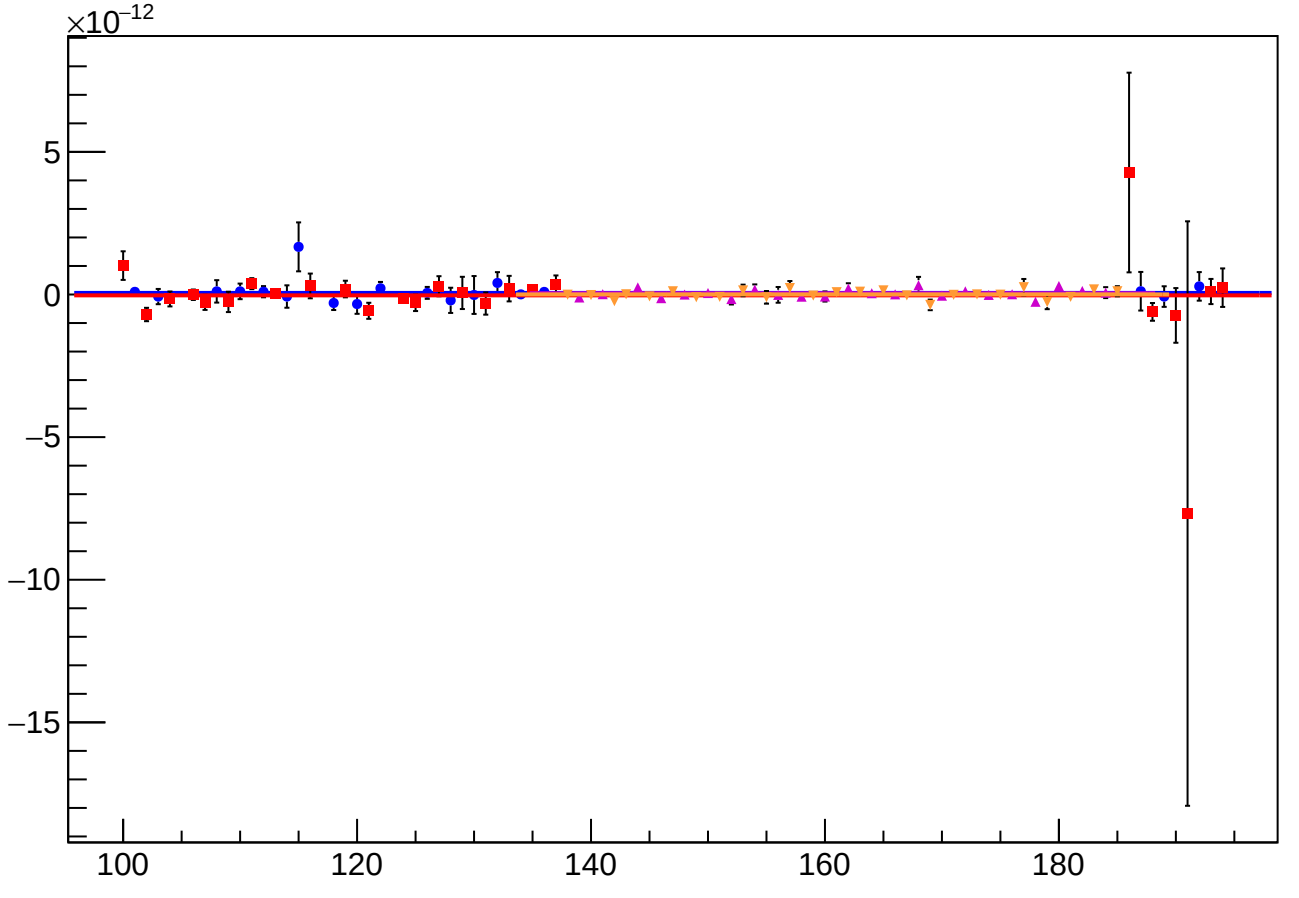
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3279.287+/-0.542 χ^2/NDF: 3113947.4/43

In: 3979.760+/-0.561 χ^2/NDF:3858908.3/41

Out: 3915.429+/-0.524 χ^2/NDF:4493746.0/49

All: 3945.408+/-0.383 χ^2/NDF: 8359684.2/91



Right In: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.5/24

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

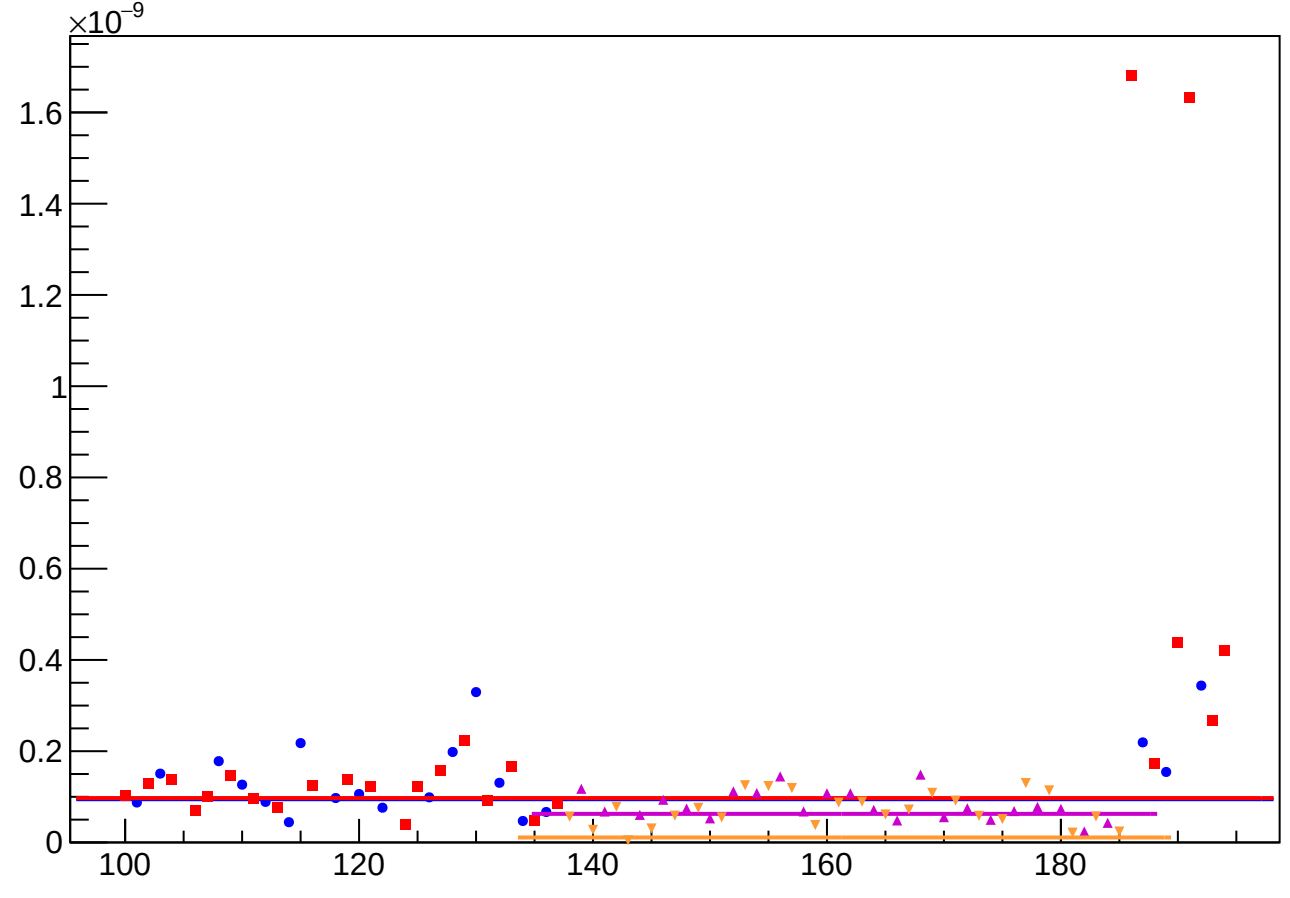
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: 0.000+/-0.000 χ^2/NDF: 47.3/43

In: 0.000+/-0.000 χ^2/NDF:30.3/41

Out: 0.000+/-0.000 χ^2/NDF:55.0/49

All: 0.000+/-0.000 χ^2/NDF: 88.3/91



Right In: 0.000+/-0.000 χ^2/NDF: 1585696.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2644765.5/24

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

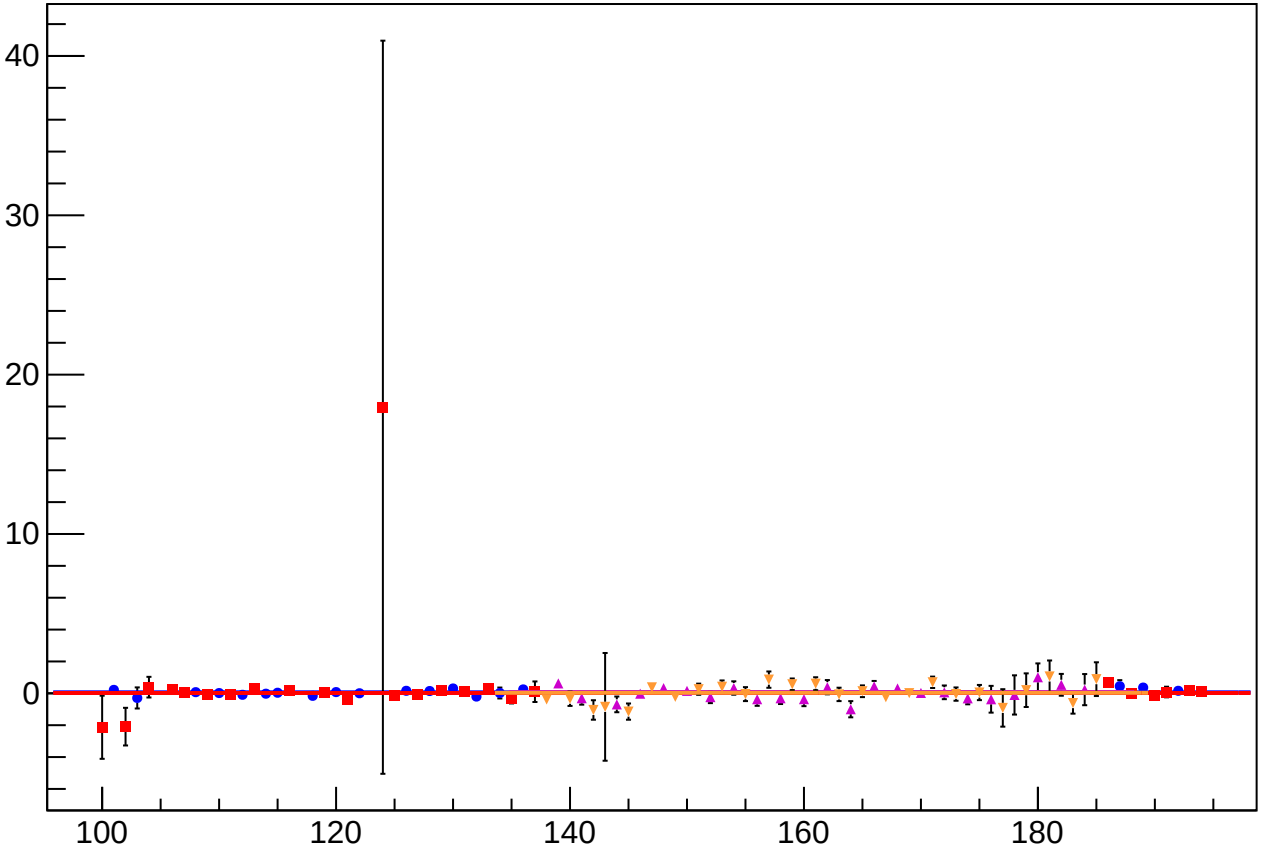
Right: 0.000+/-0.000 χ^2/NDF: 4232603.1/43

In: 0.000+/-0.000 χ^2/NDF:4230388.5/41

Out: 0.000+/-0.000 χ^2/NDF:17316148.6/49

All: 0.000+/-0.000 χ^2/NDF: 31473998.3/91

asym_atl_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.062+/-0.042 χ^2/NDF: 14.1/18

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.021+/-0.036 χ^2/NDF: 29.3/24

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

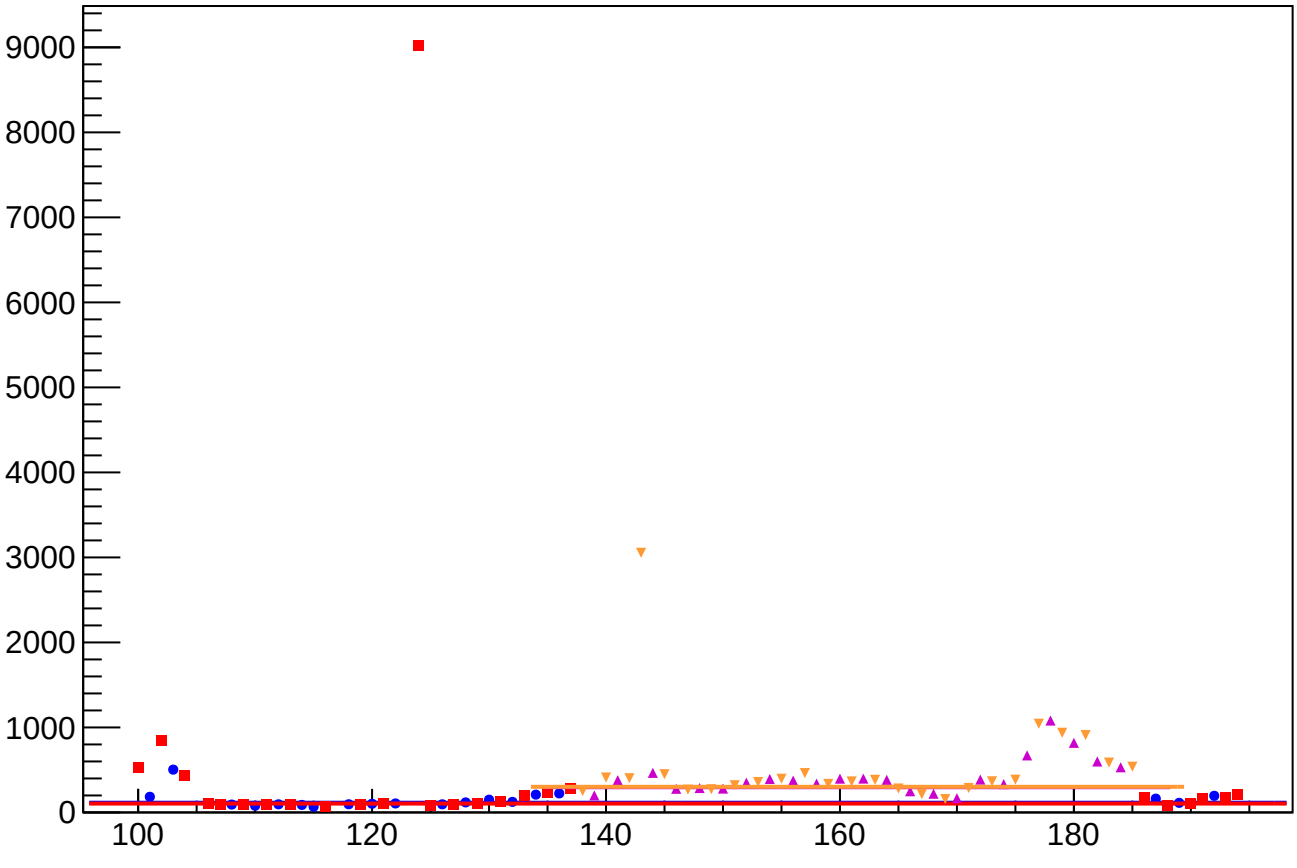
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.038+/-0.027 χ^2/NDF: 44.0/43

In: 0.066+/-0.037 χ^2/NDF:38.3/41

Out: 0.024+/-0.033 χ^2/NDF:59.0/49

All: 0.042+/-0.024 χ^2/NDF: 98.0/91



Right In: 114.467+/-0.030 χ^2/NDF: 2292319.8/18

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 104.515+/-0.025 χ^2/NDF: 3690115.9/24

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

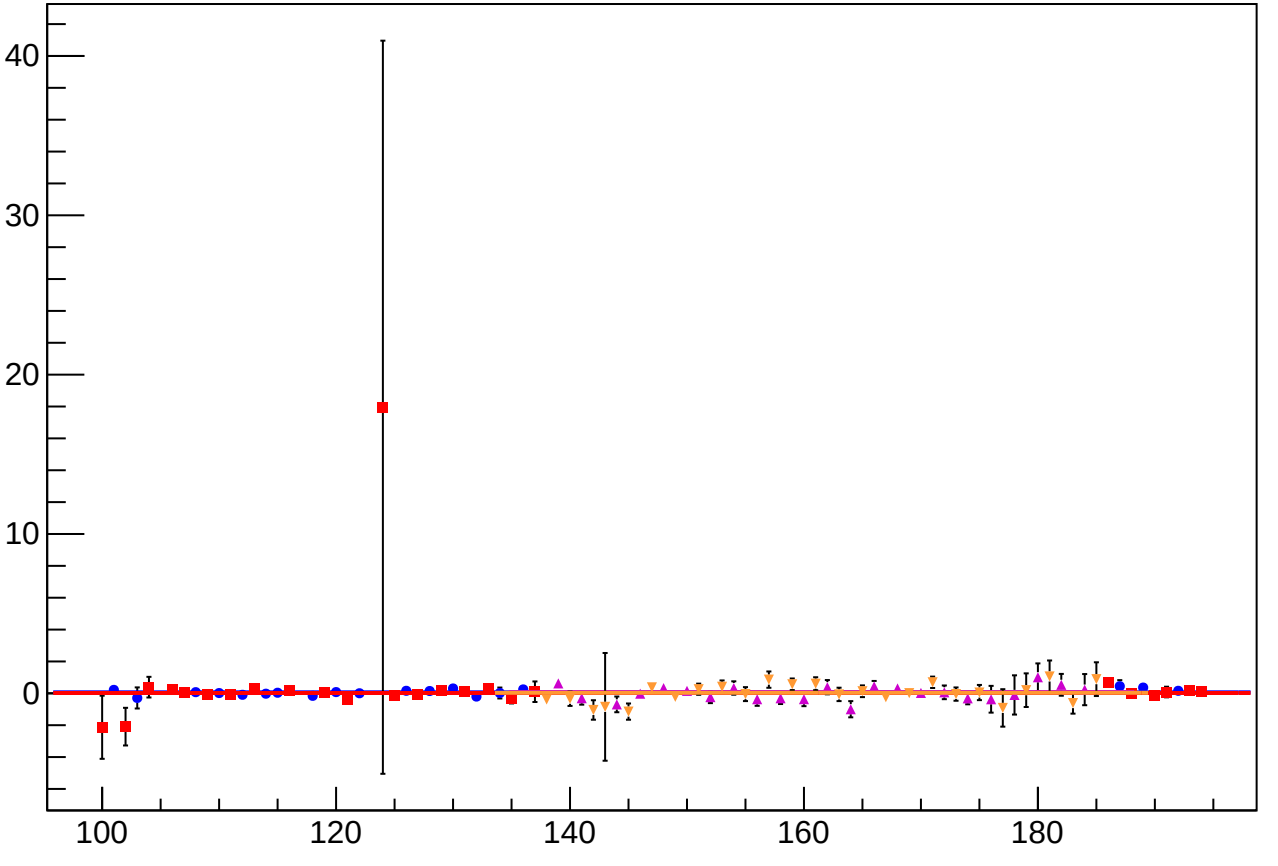
Right: 108.680+/-0.019 χ^2/NDF: 6046553.3/43

In: 157.970+/-0.026 χ^2/NDF:16044339.4/41

Out: 139.871+/-0.023 χ^2/NDF:21170878.0/49

All: 147.777+/-0.017 χ^2/NDF: 37484905.7/91

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.062+/-0.042 χ^2/NDF: 14.1/18

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.021+/-0.036 χ^2/NDF: 29.3/24

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

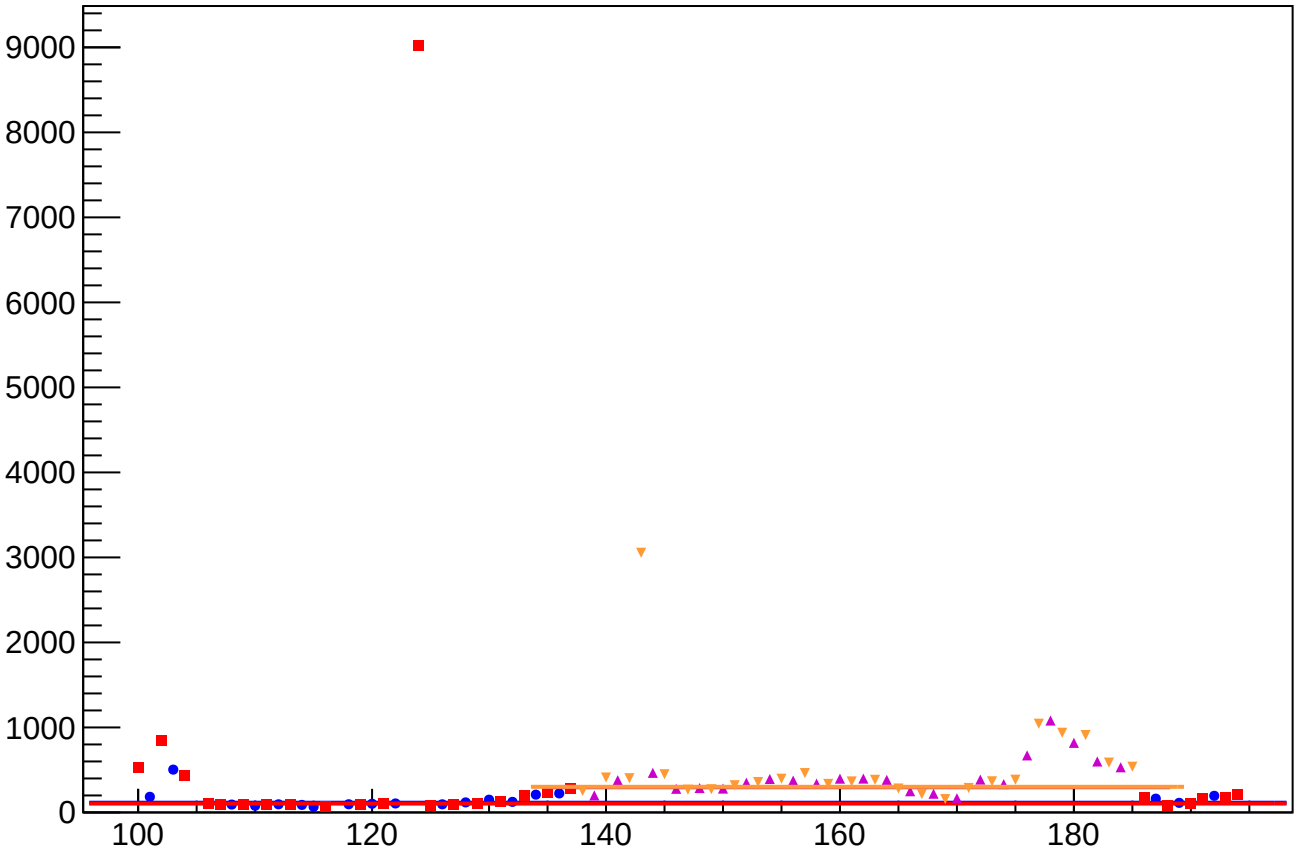
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.038+/-0.027 χ^2/NDF: 44.0/43

In: 0.066+/-0.037 χ^2/NDF:38.3/41

Out: 0.024+/-0.033 χ^2/NDF:59.0/49

All: 0.042+/-0.024 χ^2/NDF: 98.0/91



Right In: 114.467+/-0.030 χ^2/NDF: 2292319.8/18

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 104.515+/-0.025 χ^2/NDF: 3690115.9/24

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

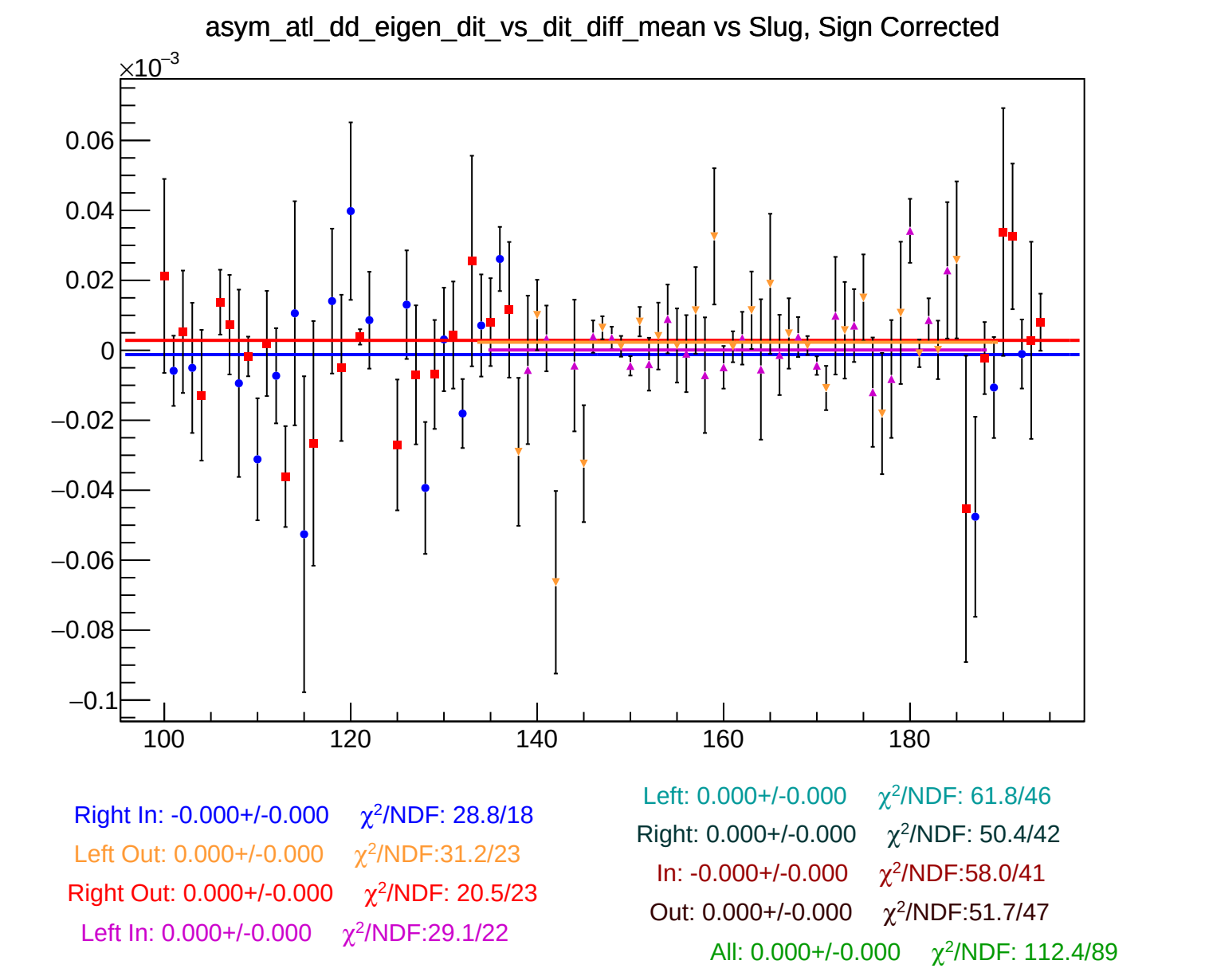
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

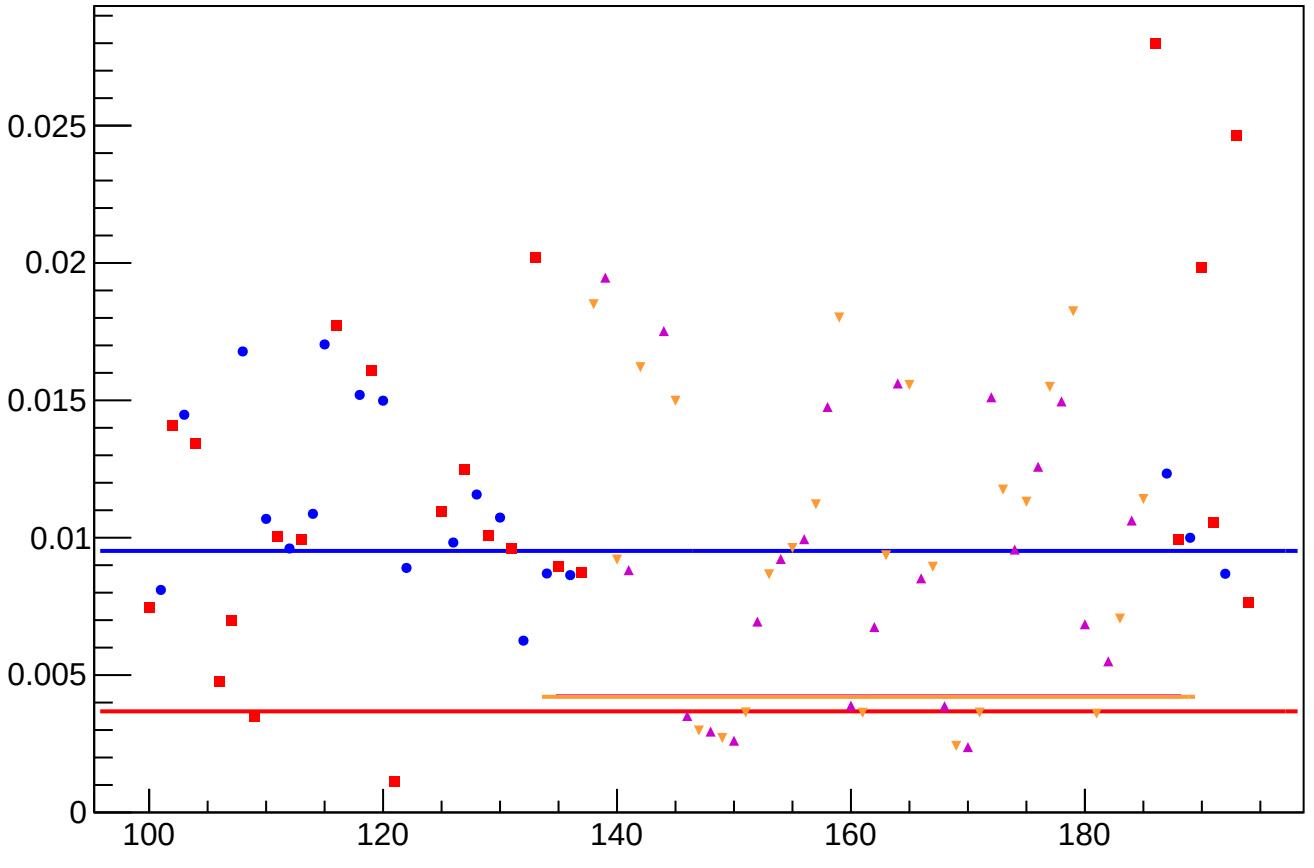
Right: 108.680+/-0.019 χ^2/NDF: 6046553.3/43

In: 157.970+/-0.026 χ^2/NDF:16044339.4/41

Out: 139.871+/-0.023 χ^2/NDF:21170878.0/49

All: 147.777+/-0.017 χ^2/NDF: 37484905.7/91


asym_atl_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 28.8/18
Left Out: 0.000+/-0.000 χ²/NDF:31.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 20.5/23
Left In: 0.000+/-0.000 χ²/NDF:29.1/22
Left: 0.000+/-0.000 χ²/NDF: 61.8/46
Right: 0.000+/-0.000 χ²/NDF: 50.4/42
In: -0.000+/-0.000 χ²/NDF:58.0/41
Out: 0.000+/-0.000 χ²/NDF:51.7/47
All: 0.000+/-0.000 χ²/NDF: 112.4/89



Right In: 0.010+/-0.000 χ^2/NDF: 962030.1/18

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 11910811.9/23

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

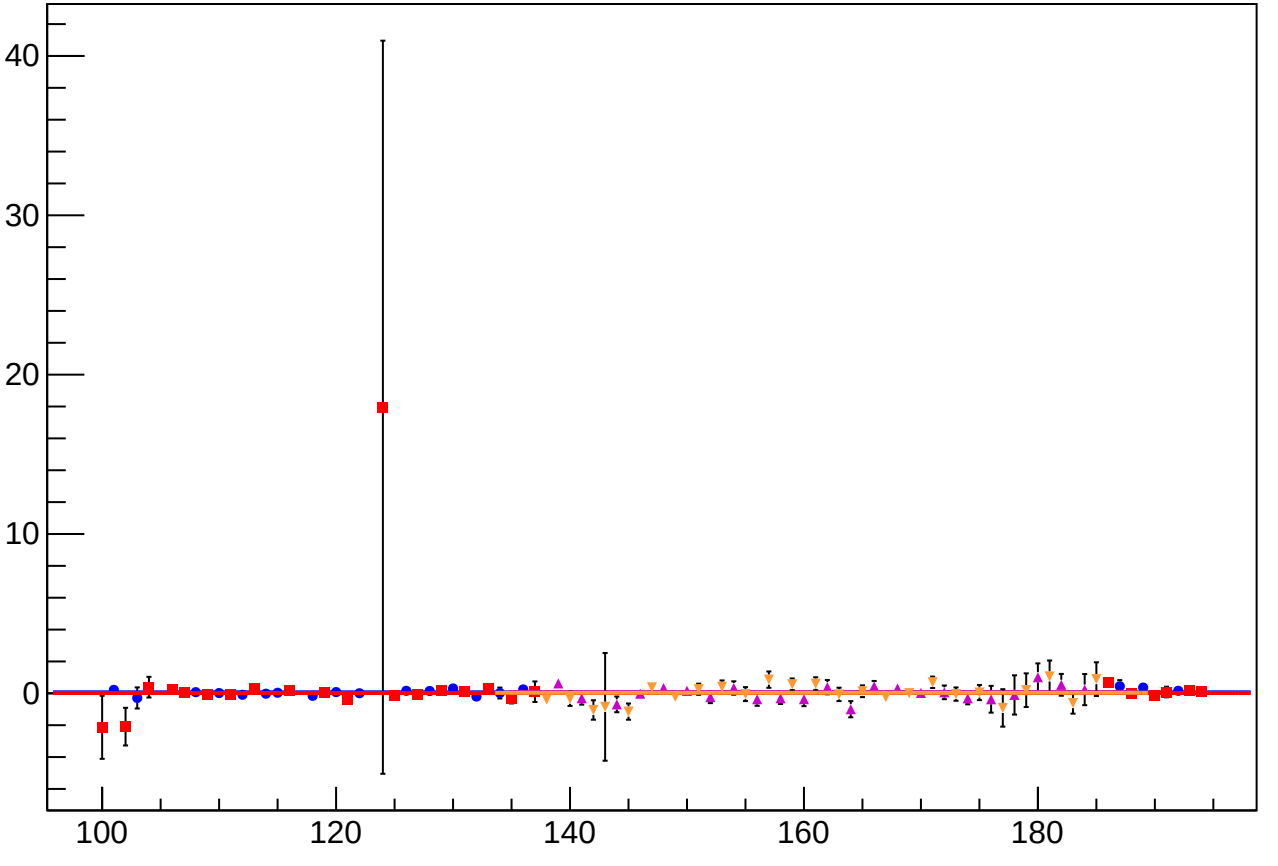
Right: 0.005+/-0.000 χ^2/NDF: 17613340.5/42

In: 0.005+/-0.000 χ^2/NDF:16316673.2/41

Out: 0.004+/-0.000 χ^2/NDF:24111031.6/47

All: 0.004+/-0.000 χ^2/NDF: 41029562.2/89

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.062+/-0.042 χ^2/NDF: 14.1/18

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.021+/-0.036 χ^2/NDF: 29.3/24

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

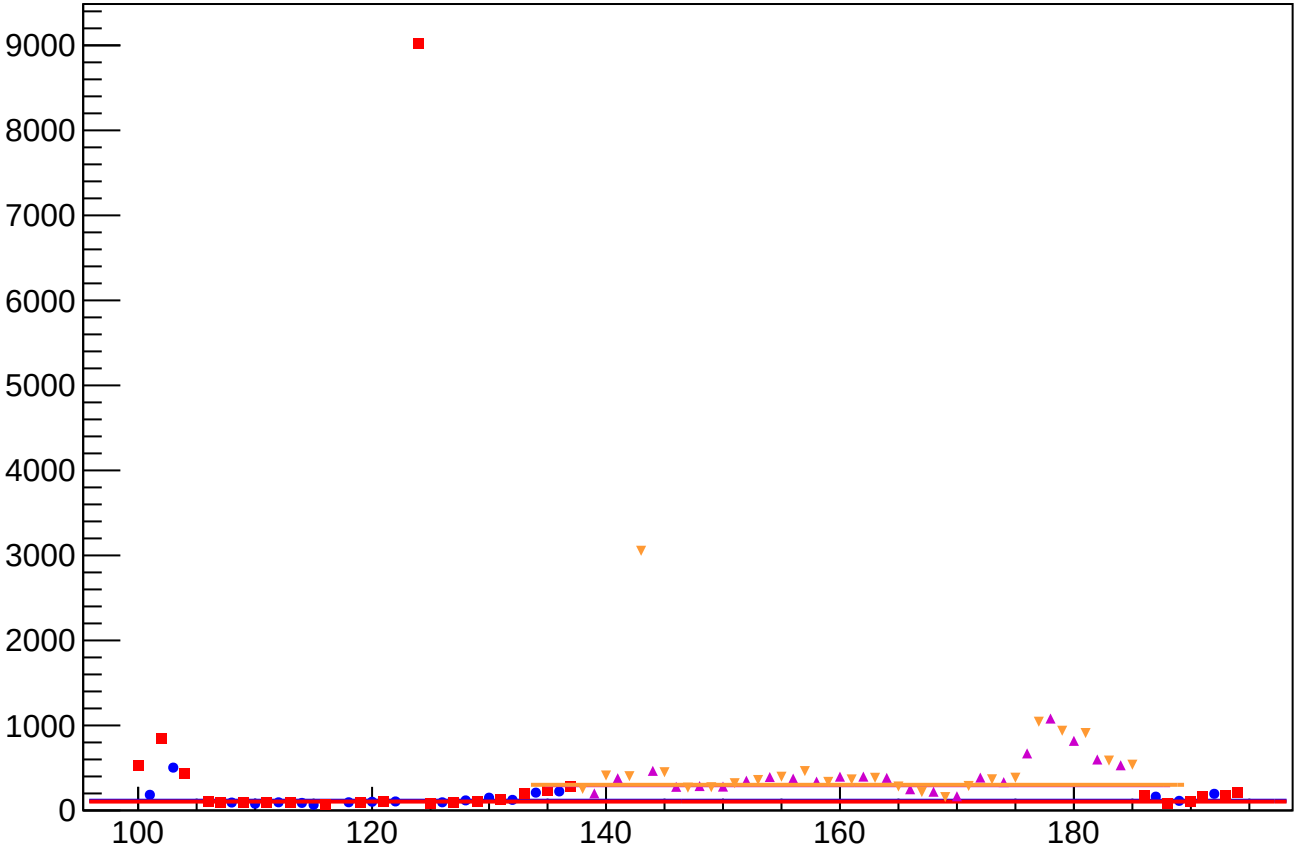
Right: 0.038+/-0.027 χ^2/NDF: 44.0/43

In: 0.066+/-0.037 χ^2/NDF:38.3/41

Out: 0.024+/-0.033 χ^2/NDF:59.0/49

All: 0.042+/-0.024 χ^2/NDF: 98.0/91

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 114.467+/-0.030 χ^2/NDF: 2292249.4/18

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 104.515+/-0.025 χ^2/NDF: 3689990.0/24

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

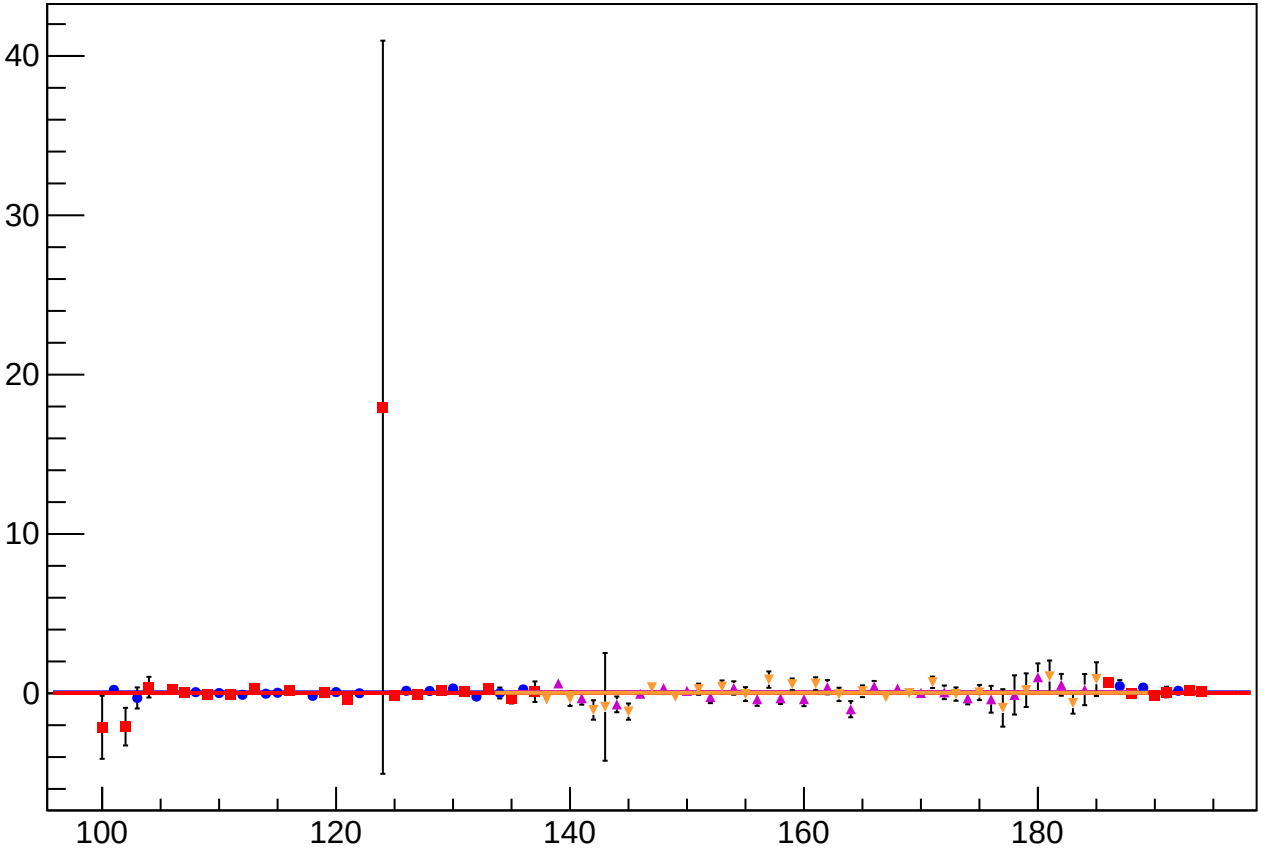
Right: 108.680+/-0.019 χ^2/NDF: 6046351.4/43

In: 157.970+/-0.026 χ^2/NDF:16044374.9/41

Out: 139.872+/-0.023 χ^2/NDF:21170803.1/49

All: 147.777+/-0.017 χ^2/NDF: 37484855.1/91

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.062+/-0.042 χ^2/NDF: 14.1/18

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.021+/-0.036 χ^2/NDF: 29.3/24

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

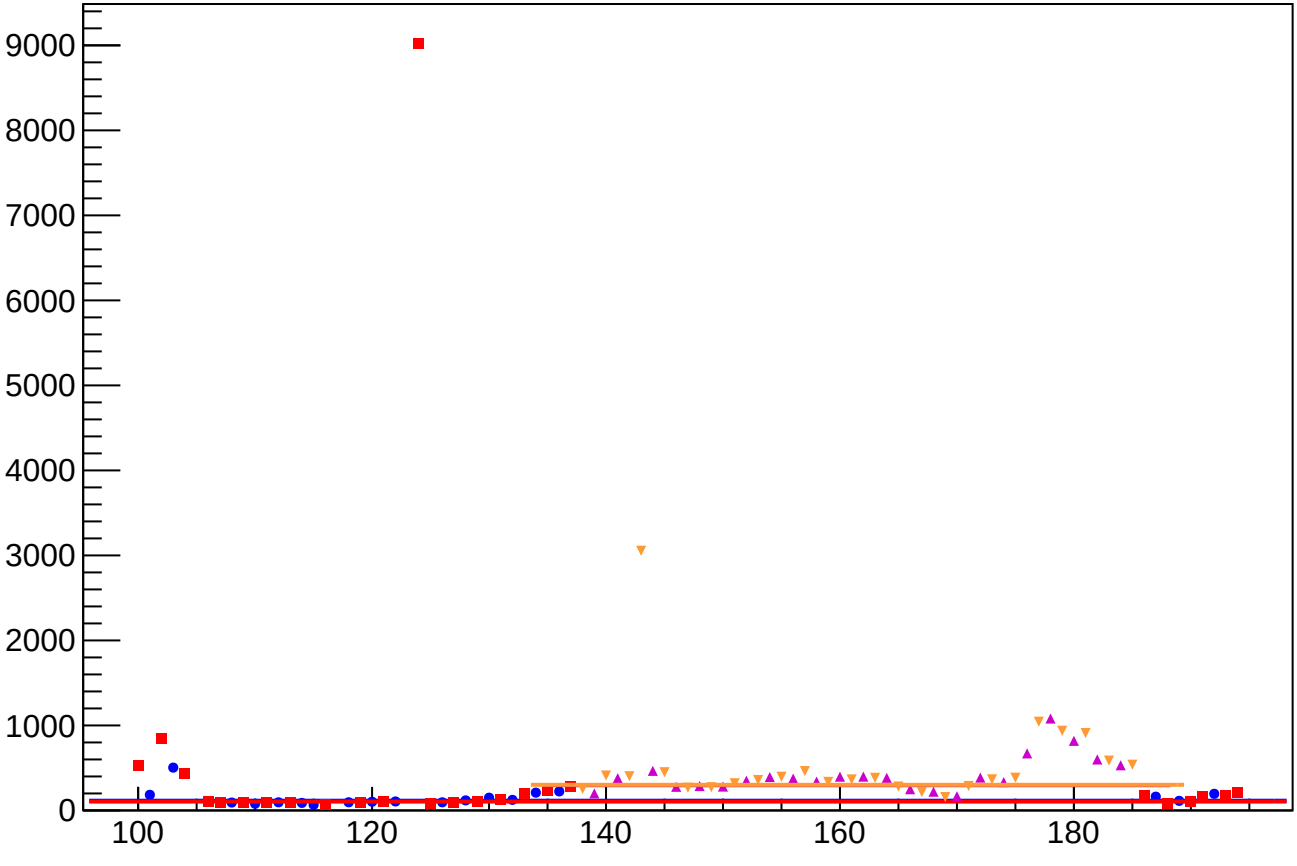
Right: 0.038+/-0.027 χ^2/NDF: 44.0/43

In: 0.066+/-0.037 χ^2/NDF:38.3/41

Out: 0.024+/-0.033 χ^2/NDF:59.0/49

All: 0.042+/-0.024 χ^2/NDF: 98.0/91

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 114.467+/-0.030 χ^2/NDF: 2292249.4/18

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 104.515+/-0.025 χ^2/NDF: 3689990.0/24

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

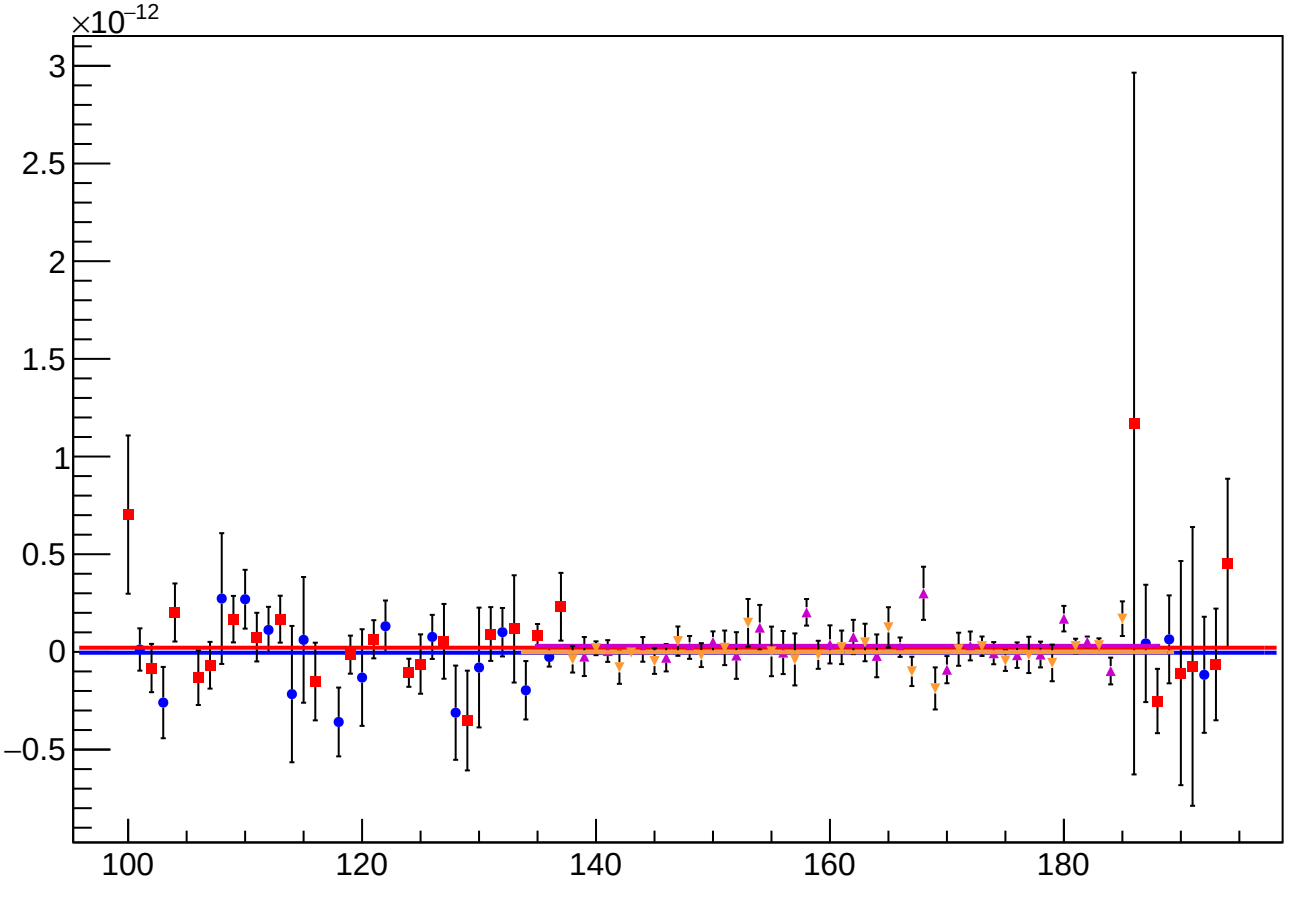
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 108.680+/-0.019 χ^2/NDF: 6046351.4/43

In: 157.970+/-0.026 χ^2/NDF:16044374.9/41

Out: 139.872+/-0.023 χ^2/NDF:21170803.1/49

All: 147.777+/-0.017 χ^2/NDF: 37484855.1/91



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/24

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

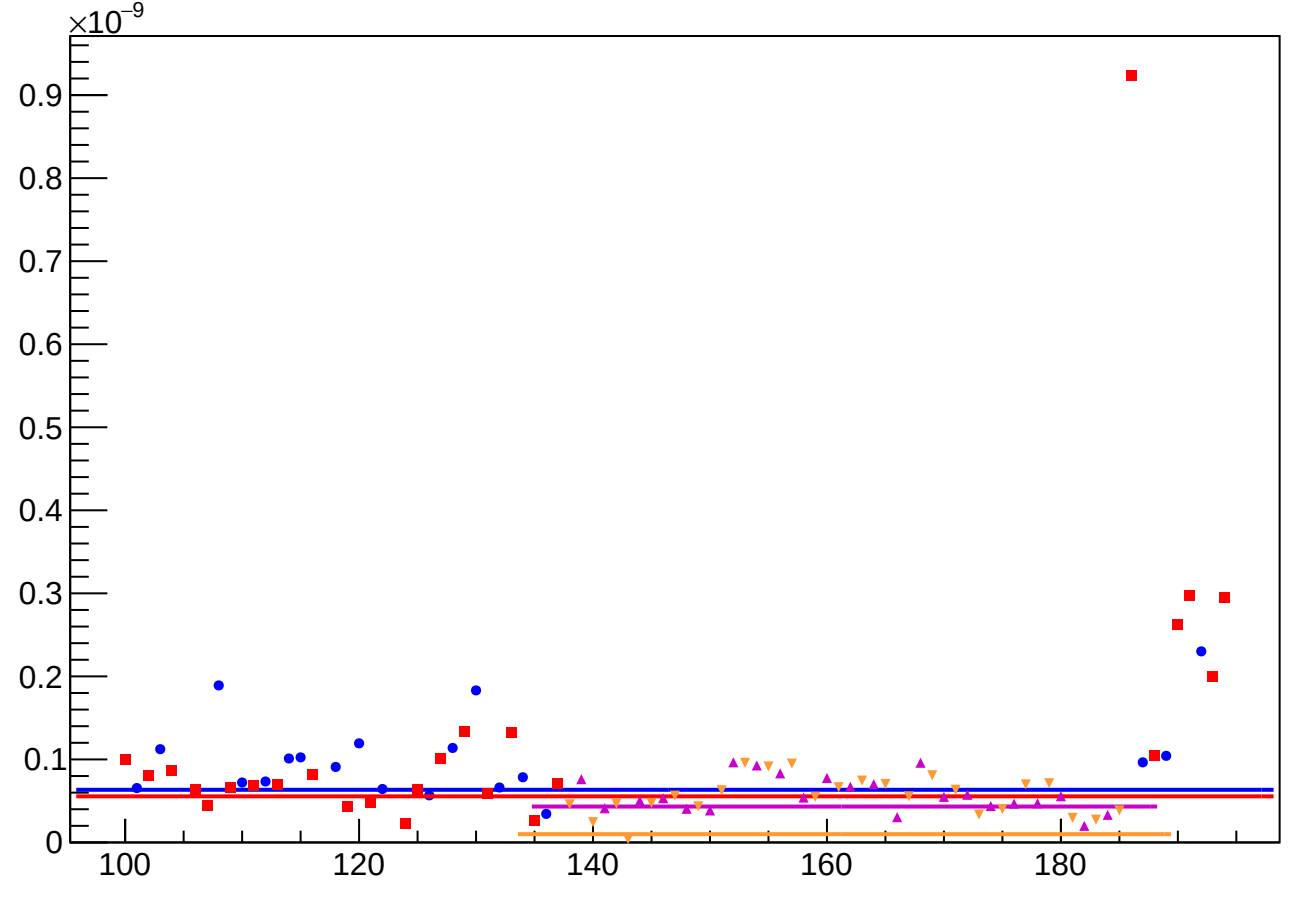
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 42.2/43

In: 0.000+/-0.000 χ^2/NDF:45.2/41

Out: -0.000+/-0.000 χ^2/NDF:42.5/49

All: 0.000+/-0.000 χ^2/NDF: 91.7/91



Right In: 0.000+/-0.000 χ^2/NDF: 2485138.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3975903.6/24

Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

Left: 0.000+/-0.000 χ^2/NDF: 33507700.8/47

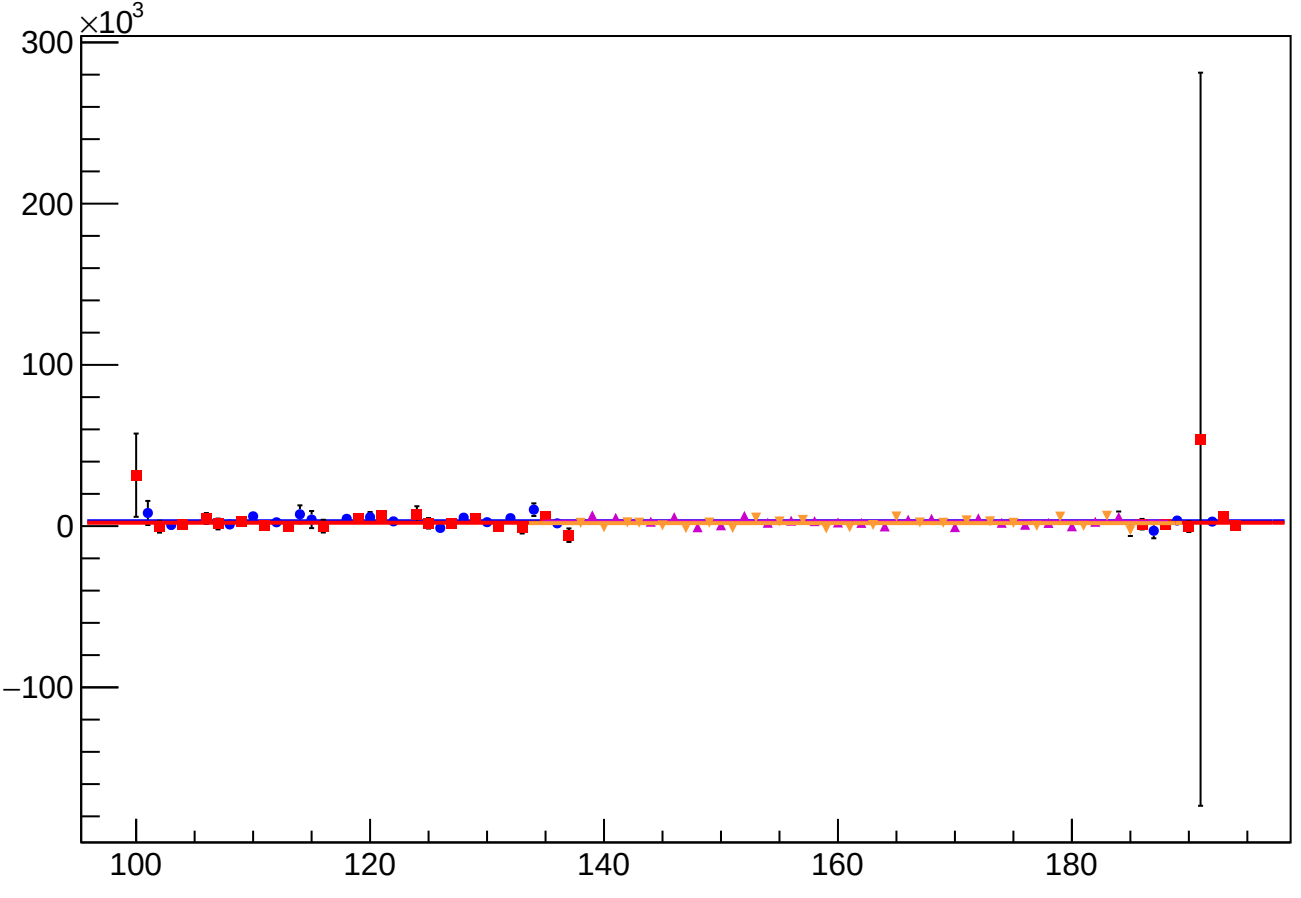
Right: 0.000+/-0.000 χ^2/NDF: 6535397.7/43

In: 0.000+/-0.000 χ^2/NDF:7246373.2/41

Out: 0.000+/-0.000 χ^2/NDF:28140007.9/49

All: 0.000+/-0.000 χ^2/NDF: 49199301.3/91

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3038.335+/-658.462 χ^2/NDF: 13.4/18

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: 2098.092+/-595.829 χ^2/NDF: 20.8/24

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

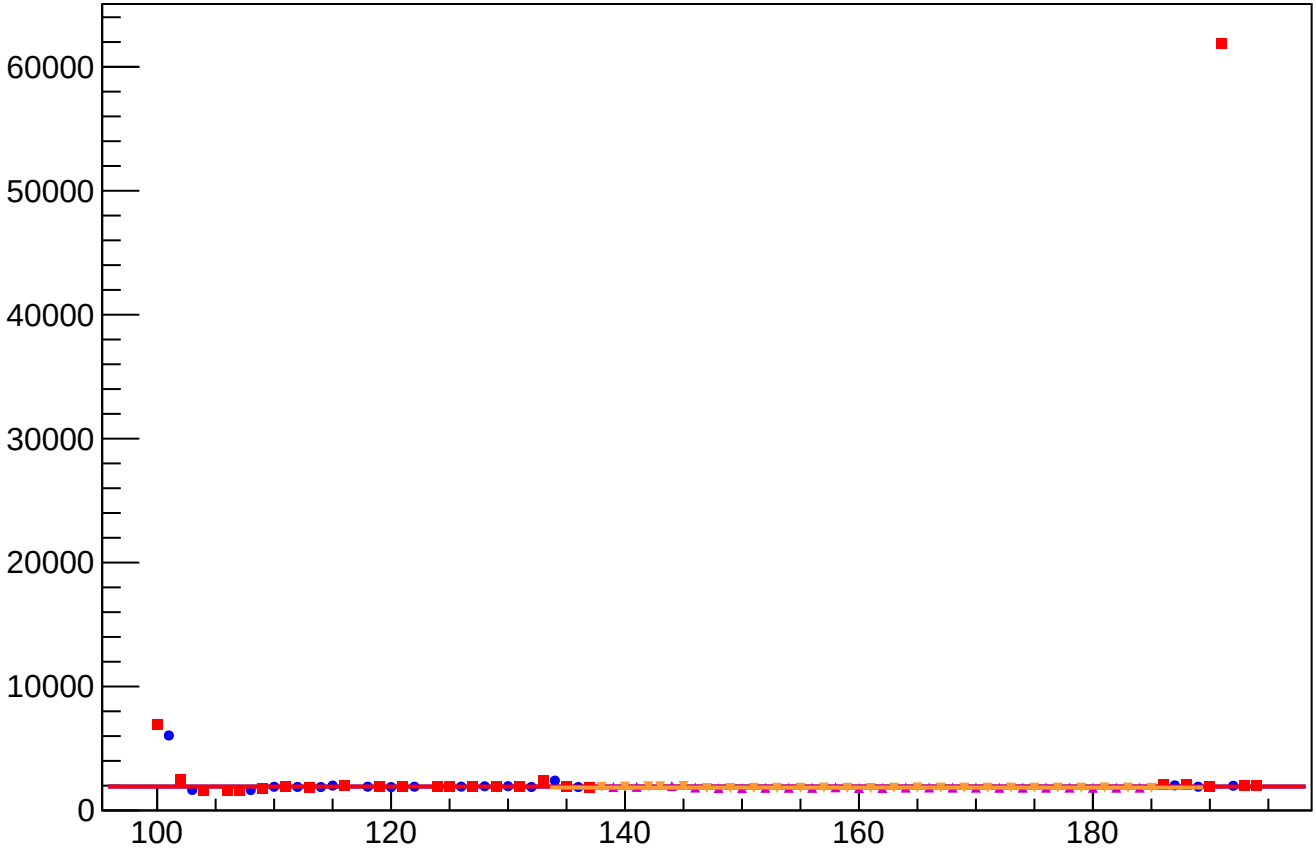
Right: 2521.379+/-441.802 χ^2/NDF: 35.3/43

In: 2854.489+/-360.540 χ^2/NDF:39.0/41

Out: 1933.690+/-343.289 χ^2/NDF:52.4/49

All: 2371.533+/-248.617 χ^2/NDF: 94.8/91

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1929.217+/-0.466 χ^2/NDF: 700385.6/18

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1930.271+/-0.420 χ^2/NDF: 399054.4/24

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

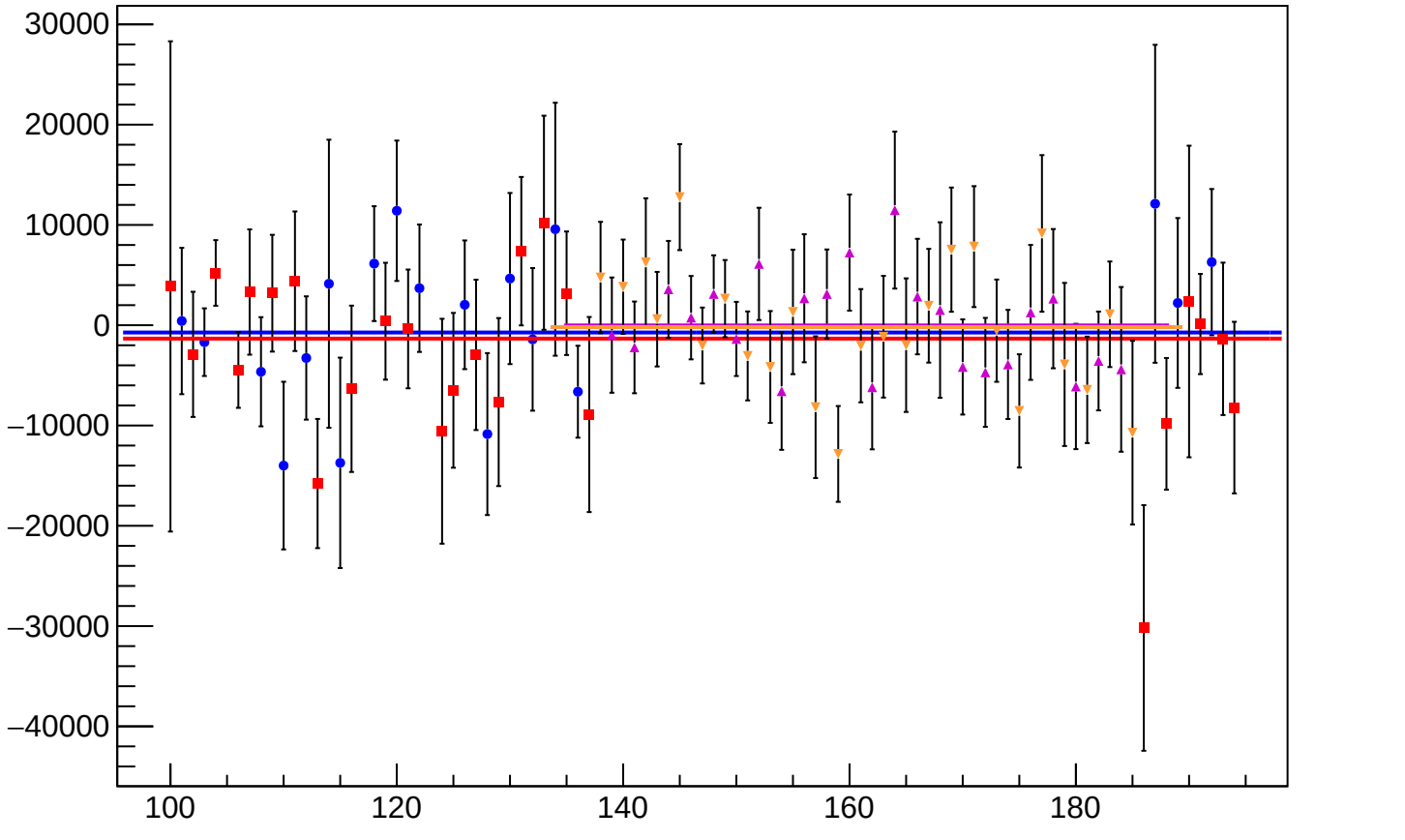
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1929.798+/-0.312 χ^2/NDF: 1099442.8/43

In: 1870.292+/-0.255 χ^2/NDF:737286.6/41

Out: 1875.747+/-0.243 χ^2/NDF:445174.7/49

All: 1873.155+/-0.176 χ^2/NDF: 1182701.7/91



Right In: -726.726+/-1516.918 χ^2/NDF: 16.1/18

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: -1333.560+/-1302.986 χ^2/NDF: 25.6/24

Left In: -19.391+/-1112.574 χ^2/NDF:13.7/22

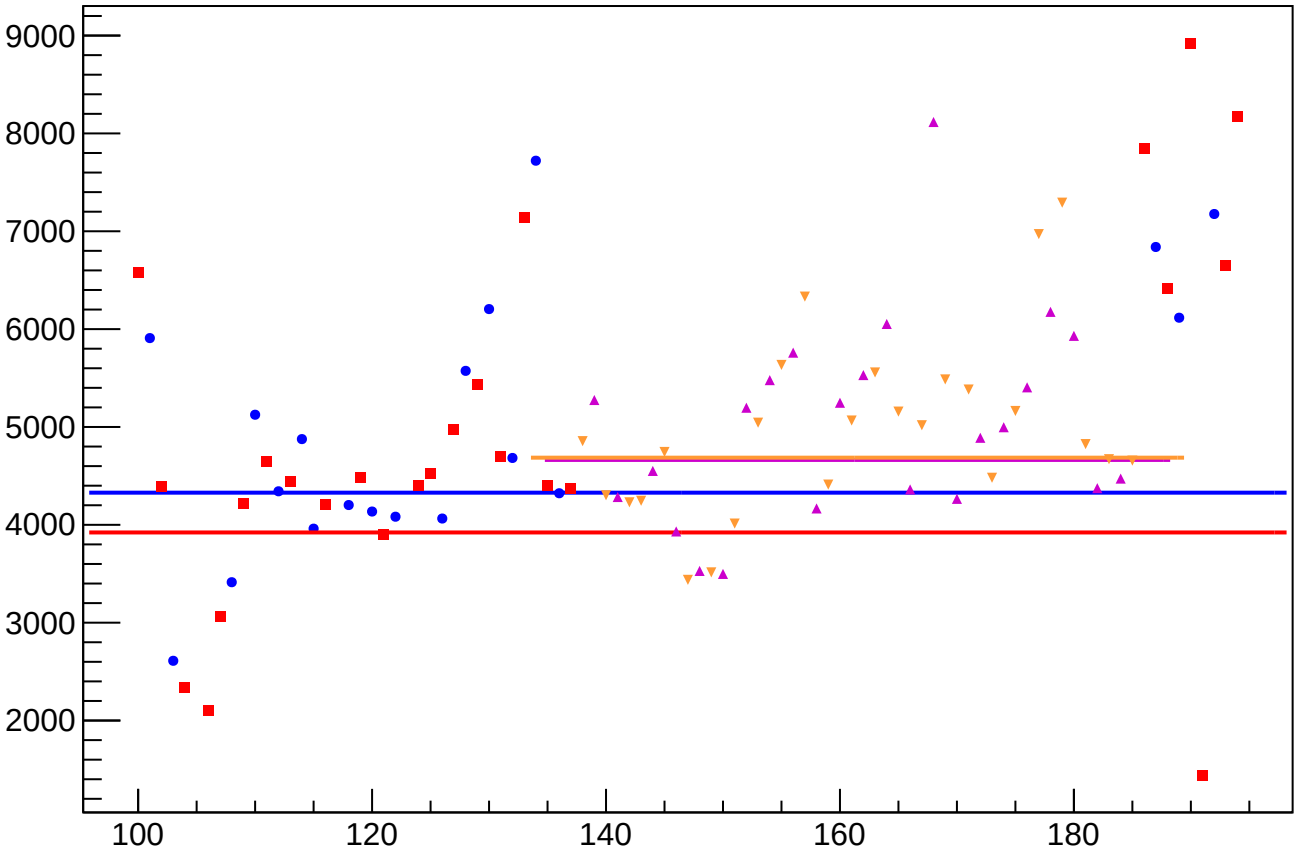
Left: -106.275+/-778.101 χ^2/NDF: 42.7/47

Right: -1075.917+/-988.408 χ^2/NDF: 41.8/43

In: -266.802+/-897.138 χ^2/NDF:30.0/41

Out: -659.777+/-835.417 χ^2/NDF:55.0/49

All: -477.271+/-611.386 χ^2/NDF: 85.1/91



Right In: 4328.664+/-1.073 χ^2/NDF: 1440142.8/18

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 3922.002+/-0.921 χ^2/NDF: 3354845.7/24

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

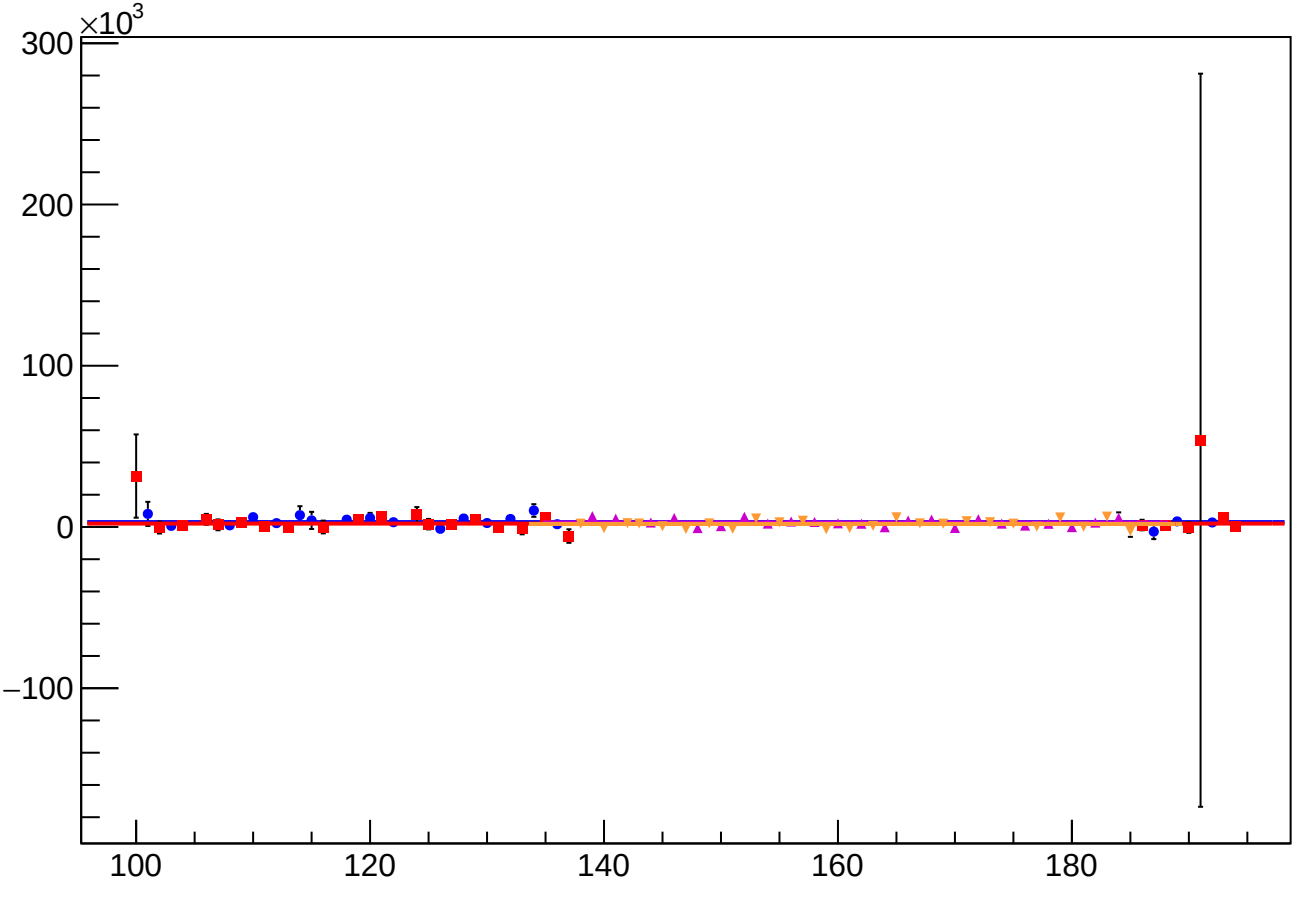
Right: 4094.657+/-0.699 χ^2/NDF: 4877700.5/43

In: 4546.233+/-0.634 χ^2/NDF:2790145.0/41

Out: 4372.141+/-0.591 χ^2/NDF:4945225.9/49

All: 4452.993+/-0.432 χ^2/NDF: 7775706.8/91

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3037.770+/-658.462 χ^2/NDF: 13.4/18

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2098.869+/-595.831 χ^2/NDF: 20.8/24

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

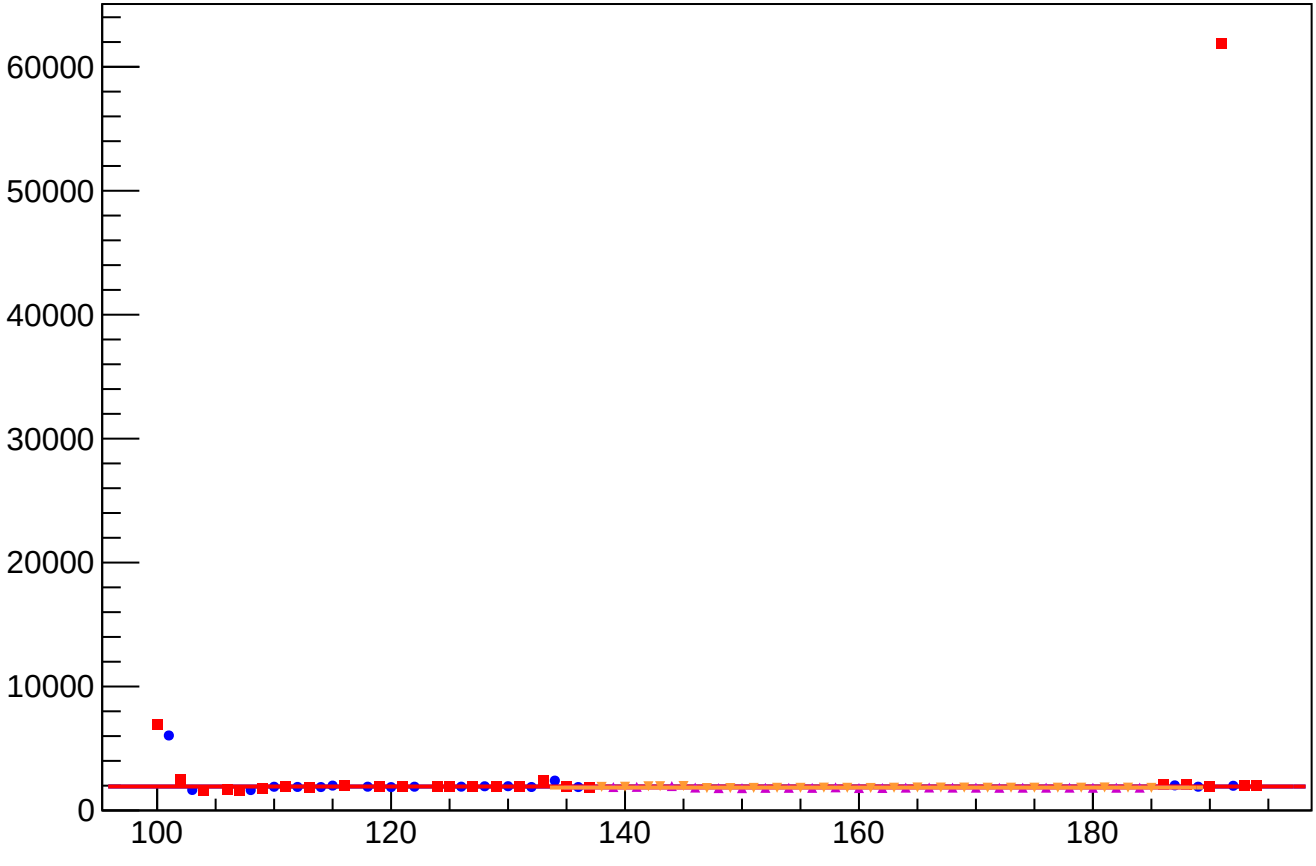
Right: 2521.554+/-441.804 χ^2/NDF: 35.3/43

In: 2854.303+/-360.540 χ^2/NDF:38.9/41

Out: 1933.874+/-343.289 χ^2/NDF:52.4/49

All: 2371.542+/-248.617 χ^2/NDF: 94.8/91

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1929.218+/-0.466 χ^2/NDF: 700384.7/18

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1933.179+/-0.421 χ^2/NDF: 391322.7/24

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

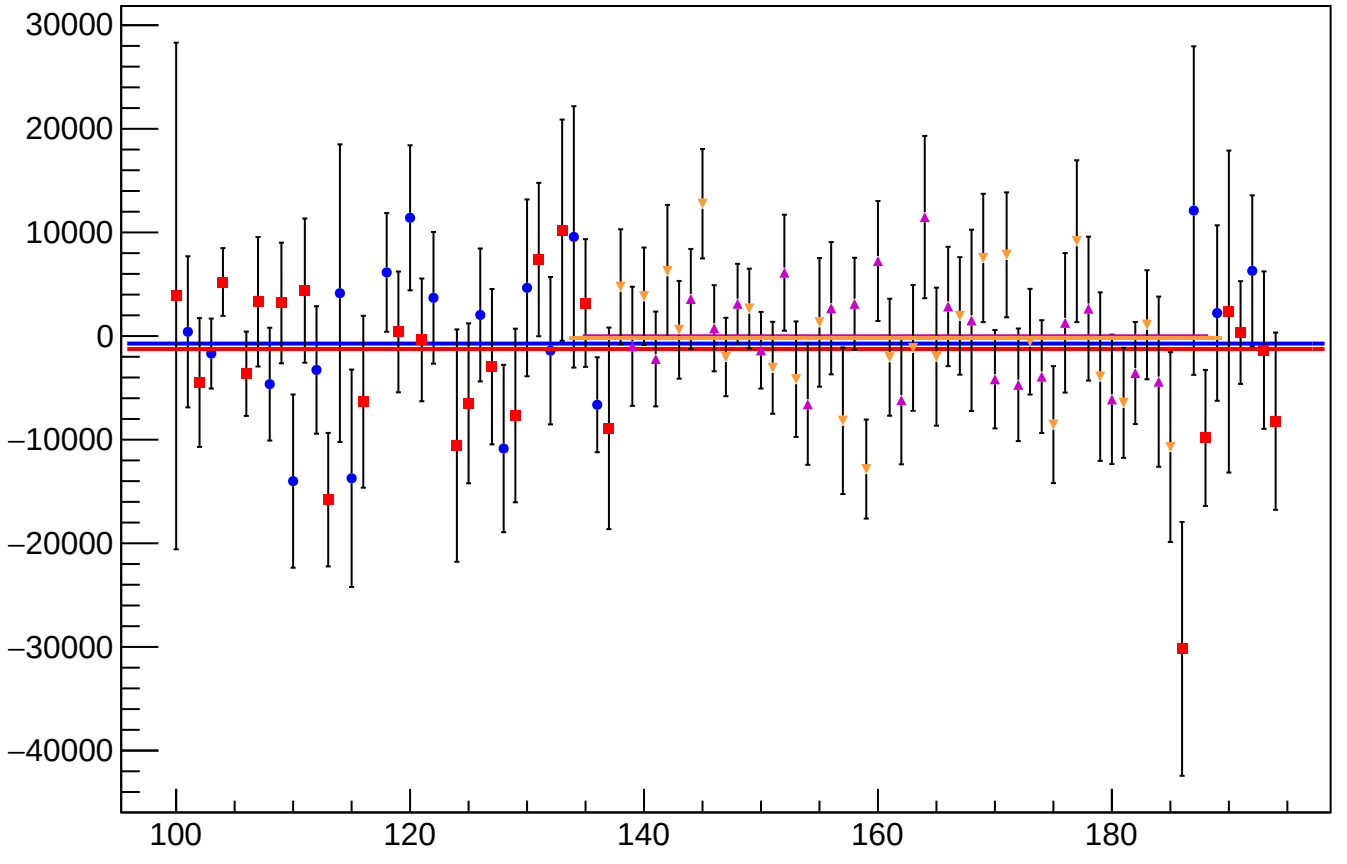
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1931.398+/-0.312 χ^2/NDF: 1091747.3/43

In: 1870.292+/-0.255 χ^2/NDF:737285.9/41

Out: 1876.665+/-0.243 χ^2/NDF:439221.6/49

All: 1873.636+/-0.176 χ^2/NDF: 1176835.5/91



Right In: -727.054+/-1516.921 χ^2/NDF: 16.1/18

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -1250.439+/-1312.680 χ^2/NDF: 25.5/24

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

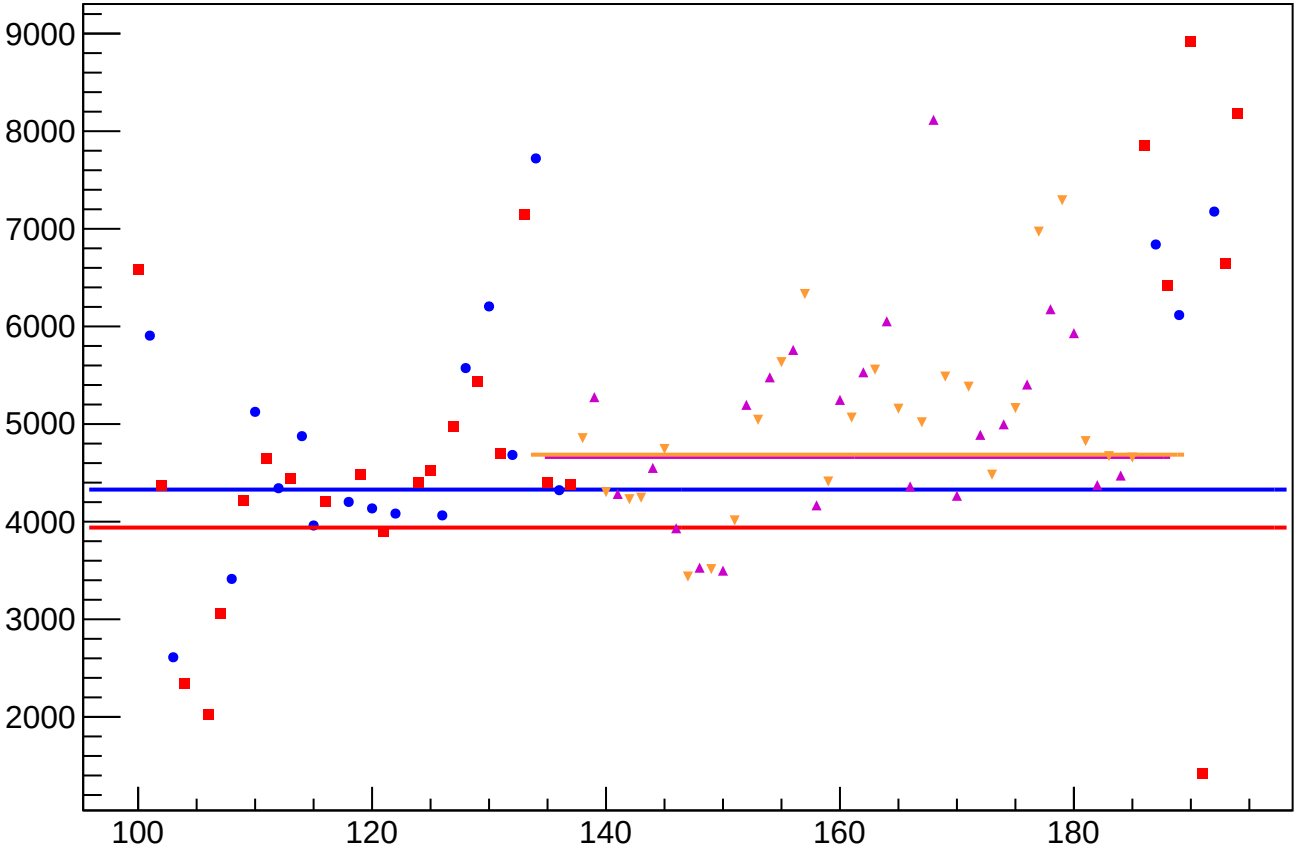
Right: -1026.329+/-992.621 χ^2/NDF: 41.6/43

In: -266.943+/-897.139 χ^2/NDF:30.0/41

Out: -621.821+/-837.955 χ^2/NDF:54.8/49

All: -456.473+/-612.378 χ^2/NDF: 84.8/91

asym_atr_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4328.750+/-1.073 χ^2/NDF: 1439612.0/18

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 3939.513+/-0.928 χ^2/NDF: 3338394.4/24

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

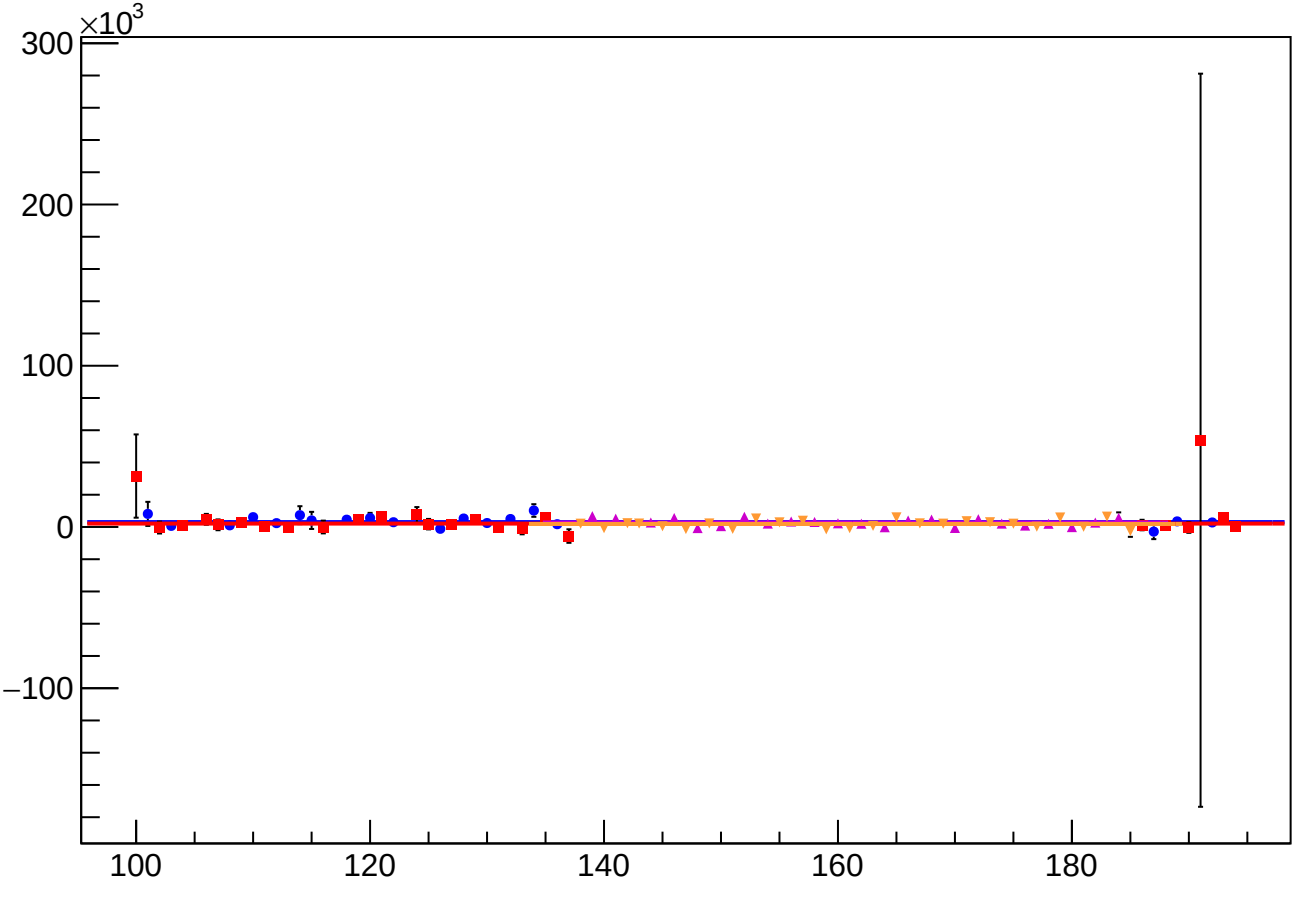
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4106.182+/-0.702 χ^2/NDF: 4853304.0/43

In: 4546.264+/-0.634 χ^2/NDF:2789578.6/41

Out: 4382.013+/-0.593 χ^2/NDF:4907059.5/49

All: 4458.543+/-0.433 χ^2/NDF: 7732441.6/91



Right In: 3037.770+/-658.462 χ^2/NDF: 13.4/18

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2098.869+/-595.831 χ^2/NDF: 20.8/24

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

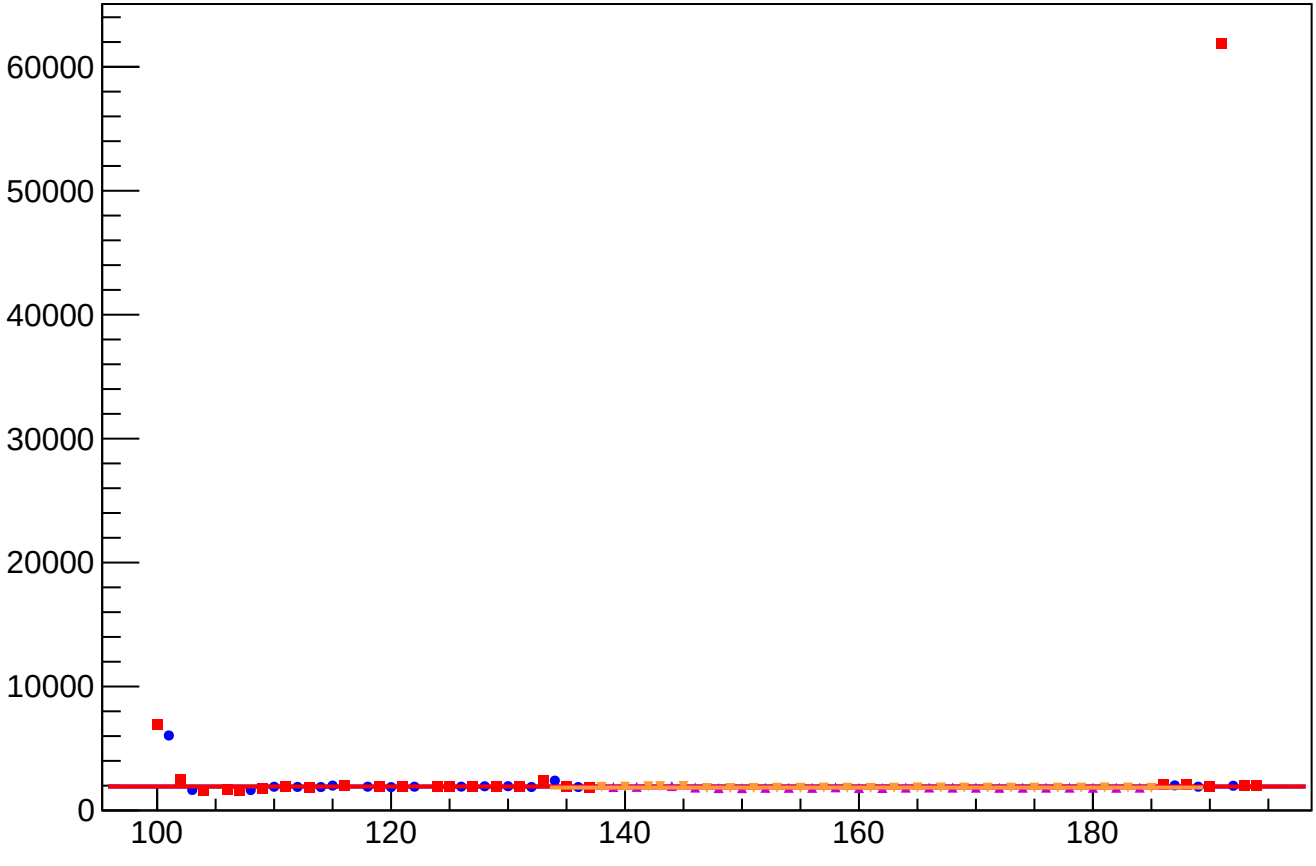
Right: 2521.554+/-441.804 χ^2/NDF: 35.3/43

In: 2854.303+/-360.540 χ^2/NDF:38.9/41

Out: 1933.874+/-343.289 χ^2/NDF:52.4/49

All: 2371.542+/-248.617 χ^2/NDF: 94.8/91

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1929.218+/-0.466 χ^2/NDF: 700384.7/18

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1933.179+/-0.421 χ^2/NDF: 391322.7/24

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

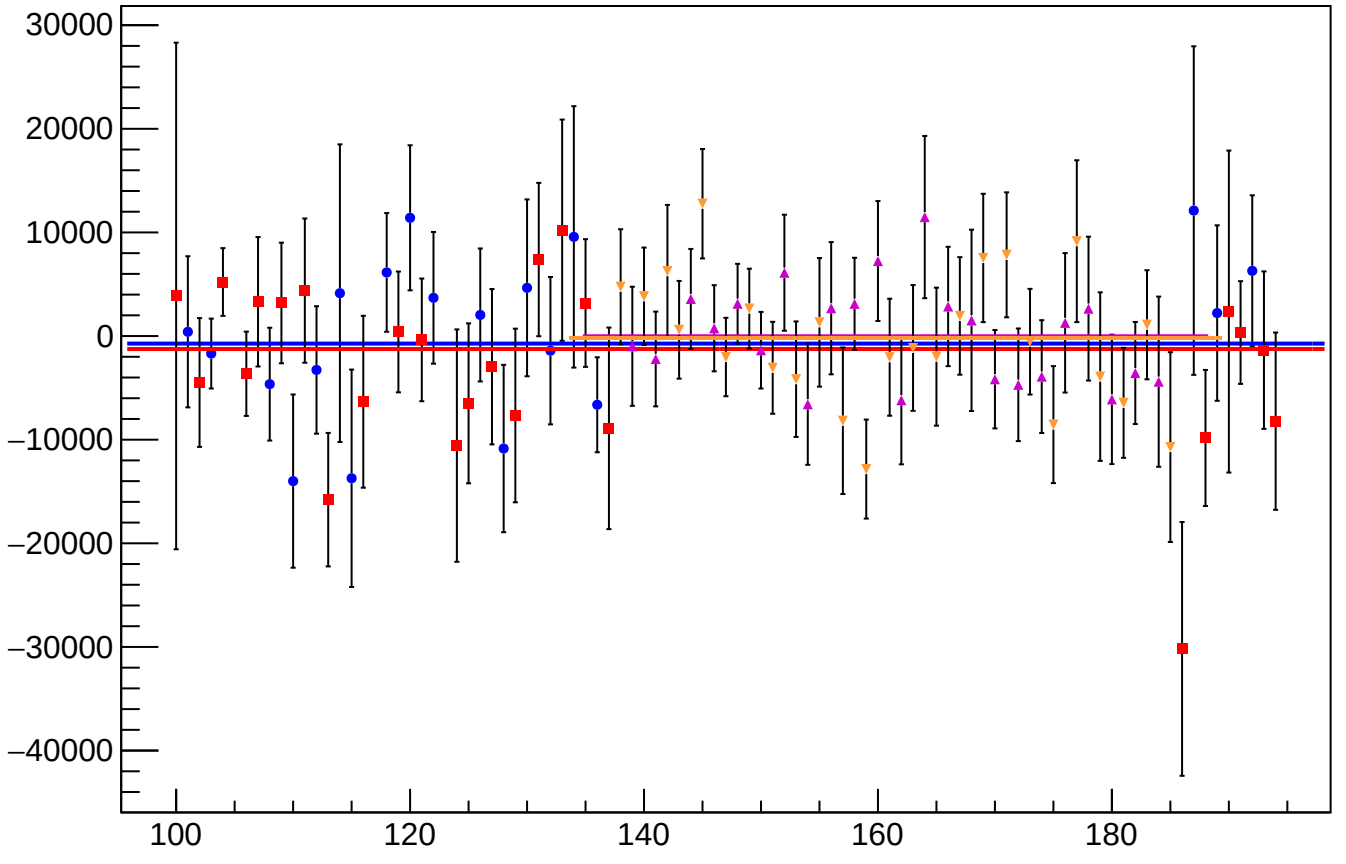
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1931.398+/-0.312 χ^2/NDF: 1091747.3/43

In: 1870.292+/-0.255 χ^2/NDF:737285.9/41

Out: 1876.665+/-0.243 χ^2/NDF:439221.6/49

All: 1873.636+/-0.176 χ^2/NDF: 1176835.5/91



Right In: -727.054+/-1516.921 χ^2/NDF: 16.1/18

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -1250.439+/-1312.680 χ^2/NDF: 25.5/24

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

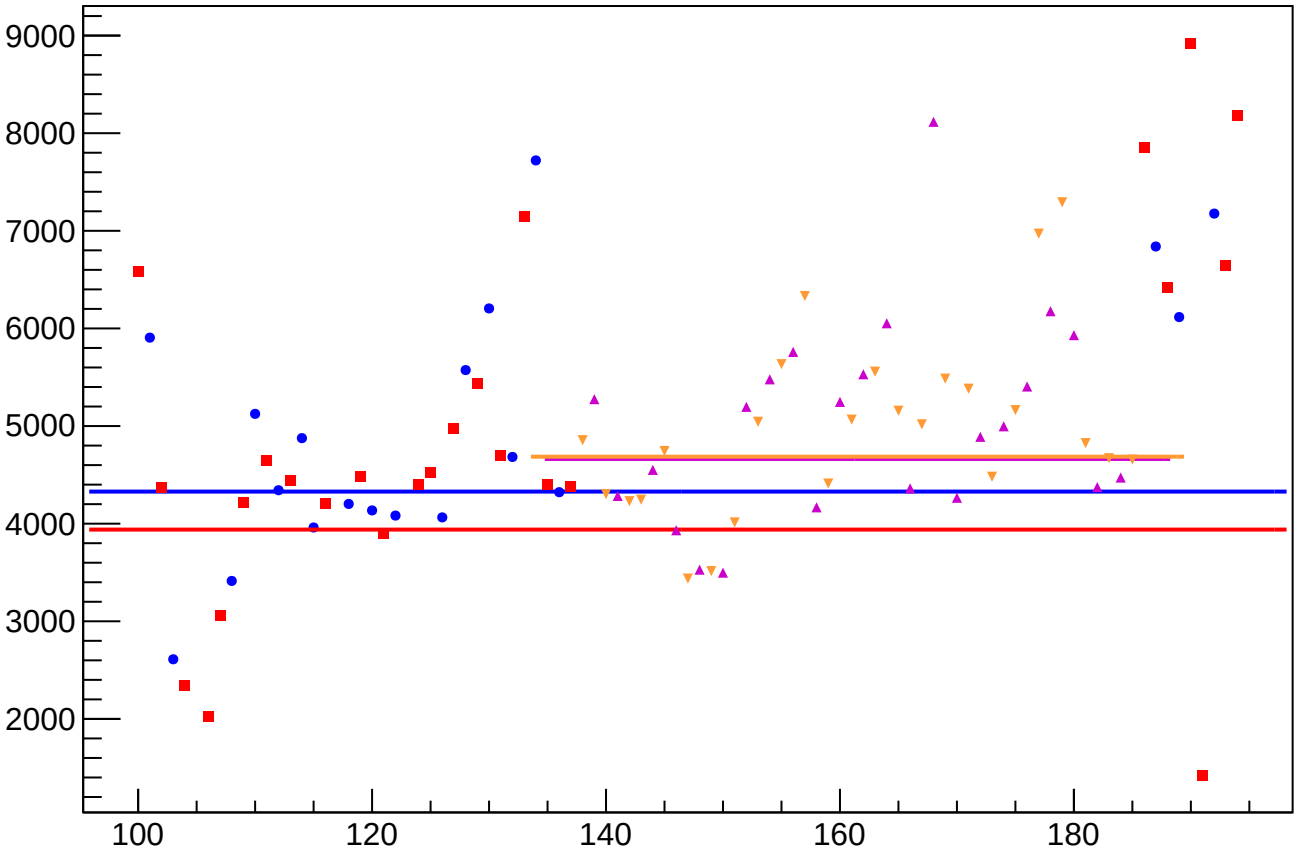
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -1026.329+/-992.621 χ^2/NDF: 41.6/43

In: -266.943+/-897.139 χ^2/NDF:30.0/41

Out: -621.821+/-837.955 χ^2/NDF:54.8/49

All: -456.473+/-612.378 χ^2/NDF: 84.8/91



Right In: 4328.750+/-1.073 χ^2/NDF: 1439612.0/18

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 3939.513+/-0.928 χ^2/NDF: 3338394.4/24

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

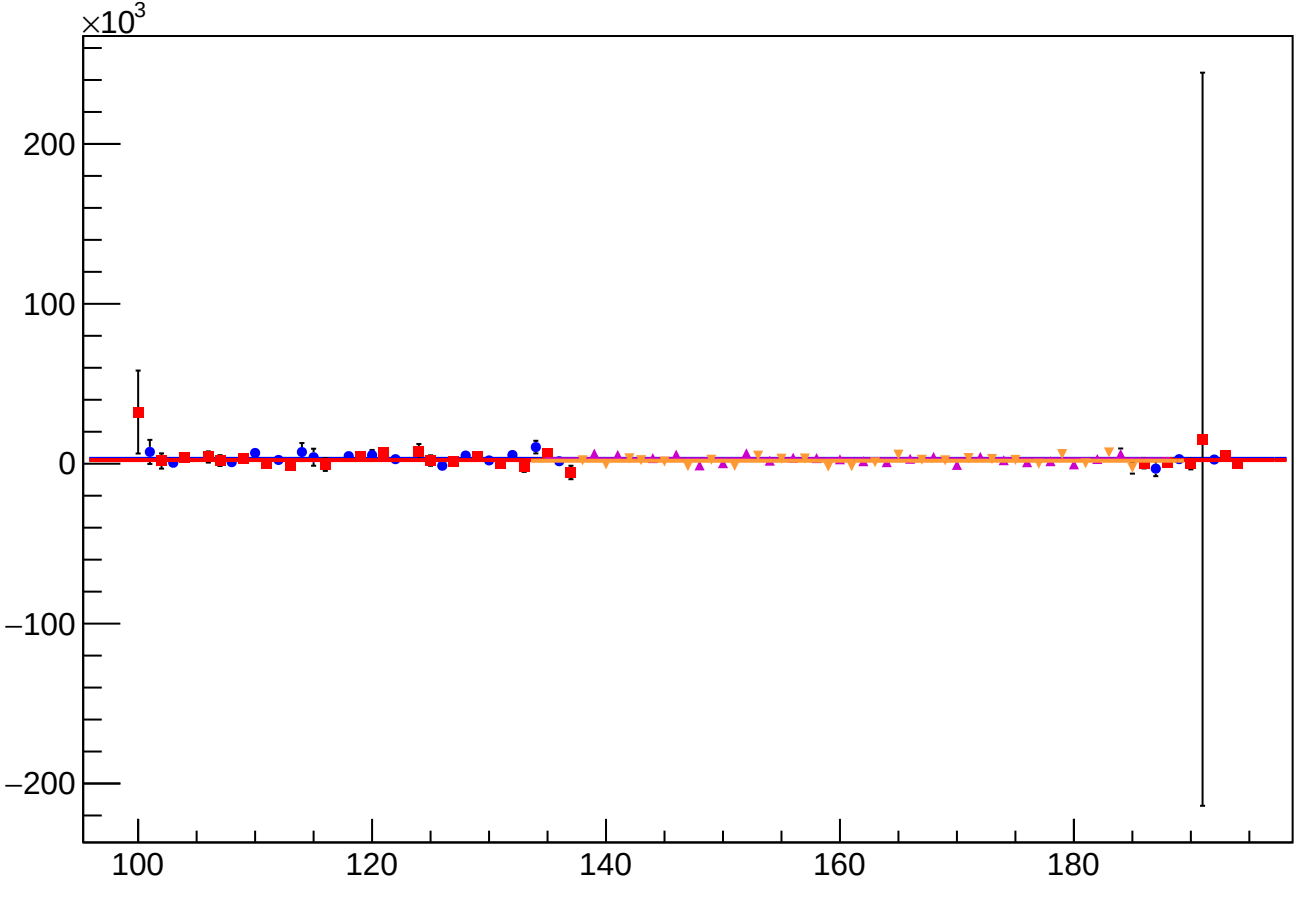
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4106.182+/-0.702 χ^2/NDF: 4853304.0/43

In: 4546.264+/-0.634 χ^2/NDF:2789578.6/41

Out: 4382.013+/-0.593 χ^2/NDF:4907059.5/49

All: 4458.543+/-0.433 χ^2/NDF: 7732441.6/91



Right In: 3038.595+/-675.111 χ^2/NDF: 14.0/18

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: 2283.651+/-611.340 χ^2/NDF: 21.1/24

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

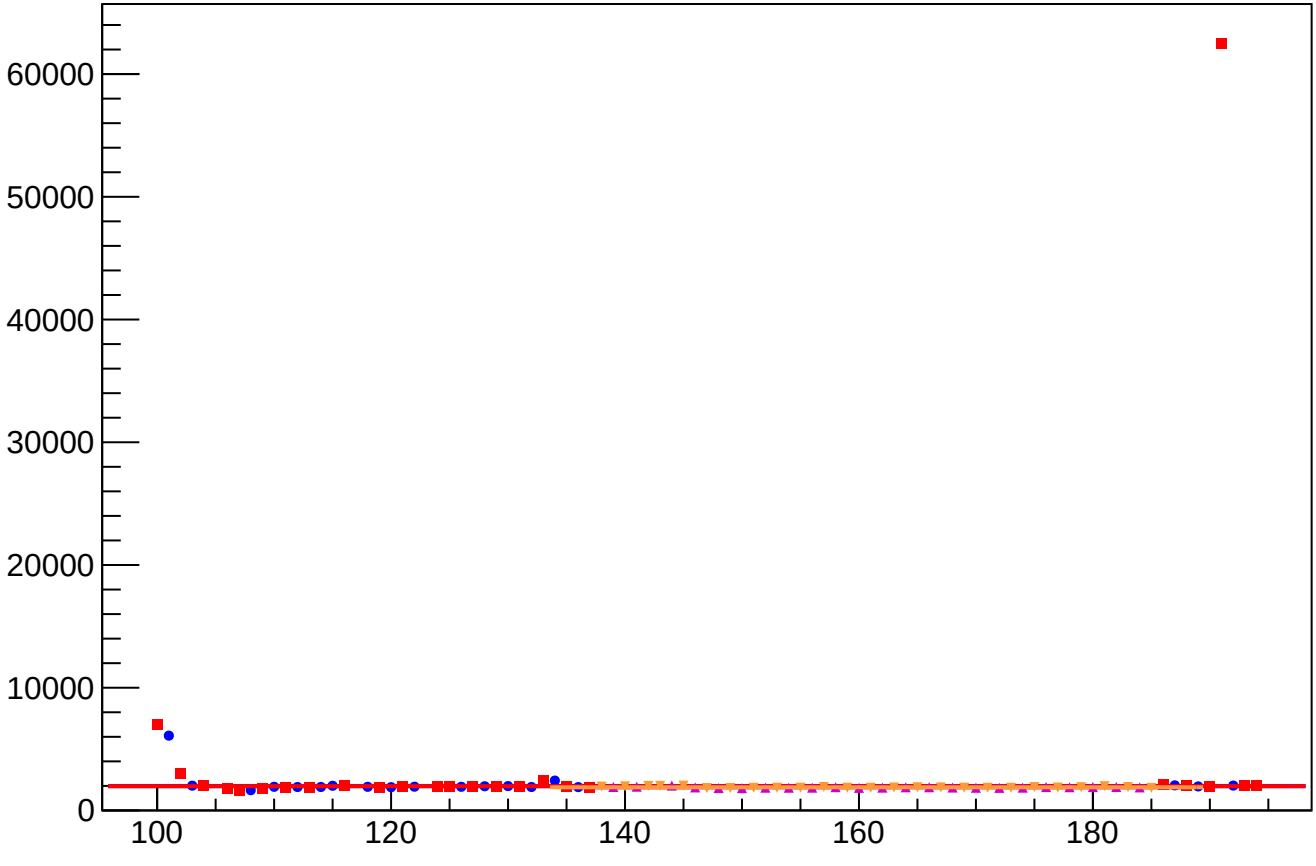
Right: 2623.792+/-453.155 χ^2/NDF: 35.8/43

In: 2869.860+/-368.170 χ^2/NDF:39.5/41

Out: 2013.799+/-351.153 χ^2/NDF:54.3/49

All: 2421.589+/-254.106 χ^2/NDF: 96.7/91

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1979.699+/-0.477 χ^2/NDF: 666740.7/18

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1977.802+/-0.432 χ^2/NDF: 413269.7/24

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

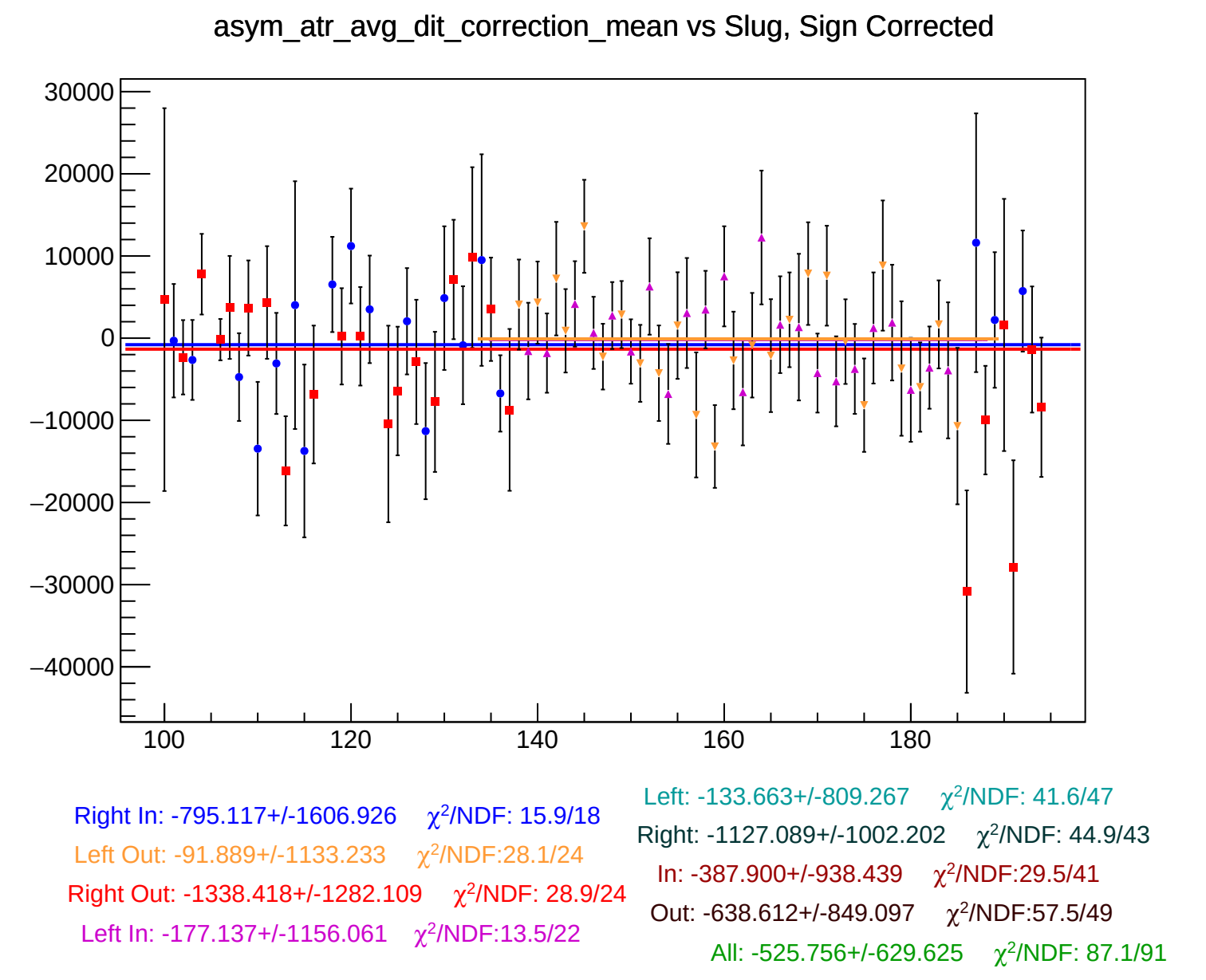
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

Right: 1978.656+/-0.320 χ^2/NDF: 1080019.0/43

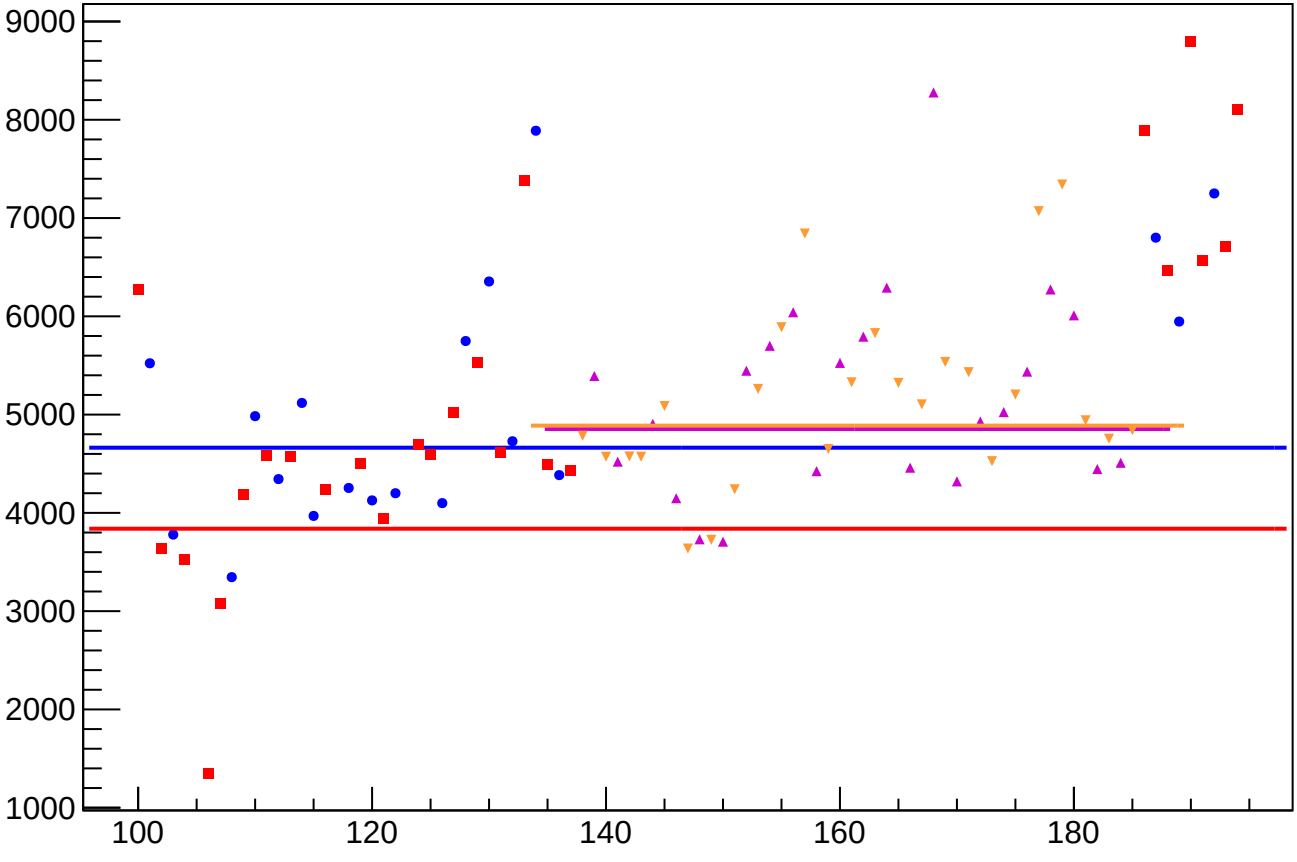
In: 1910.055+/-0.260 χ^2/NDF:716071.2/41

Out: 1917.348+/-0.248 χ^2/NDF:474459.9/49

All: 1913.875+/-0.180 χ^2/NDF: 1190942.1/91


asym_atr_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: -795.117+/-1606.926 χ²/NDF: 15.9/18
Left Out: -91.889+/-1133.233 χ²/NDF:28.1/24
Right Out: -1338.418+/-1282.109 χ²/NDF: 28.9/24
Left In: -177.137+/-1156.061 χ²/NDF:13.5/22
Left: -133.663+/-809.267 χ²/NDF: 41.6/47
Right: -1127.089+/-1002.202 χ²/NDF: 44.9/43
In: -387.900+/-938.439 χ²/NDF:29.5/41
Out: -638.612+/-849.097 χ²/NDF:57.5/49
All: -525.756+/-629.625 χ²/NDF: 87.1/91

asym_atr_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 4663.210+/-1.136 χ^2/NDF: 858519.4/18

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 3838.993+/-0.907 χ^2/NDF: 4142402.9/24

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

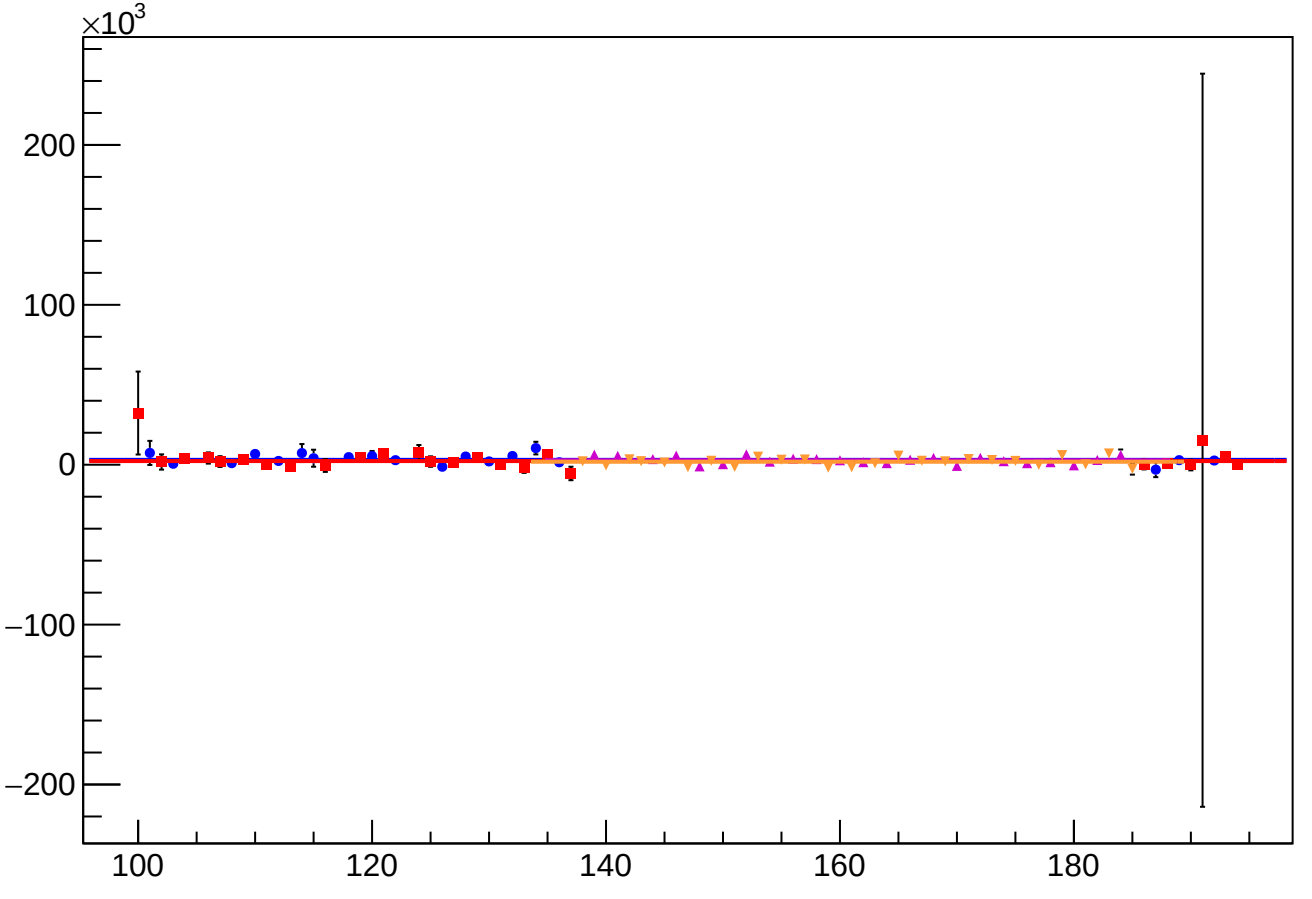
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 4159.591+/-0.709 χ^2/NDF: 5322423.4/43

In: 4788.511+/-0.664 χ^2/NDF:2055610.5/41

Out: 4427.810+/-0.600 χ^2/NDF:5957092.1/49

All: 4590.178+/-0.445 χ^2/NDF: 8175168.2/91



Right In: 3038.600+/-675.110 χ^2/NDF: 14.0/18

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: 2283.654+/-611.340 χ^2/NDF: 21.1/24

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

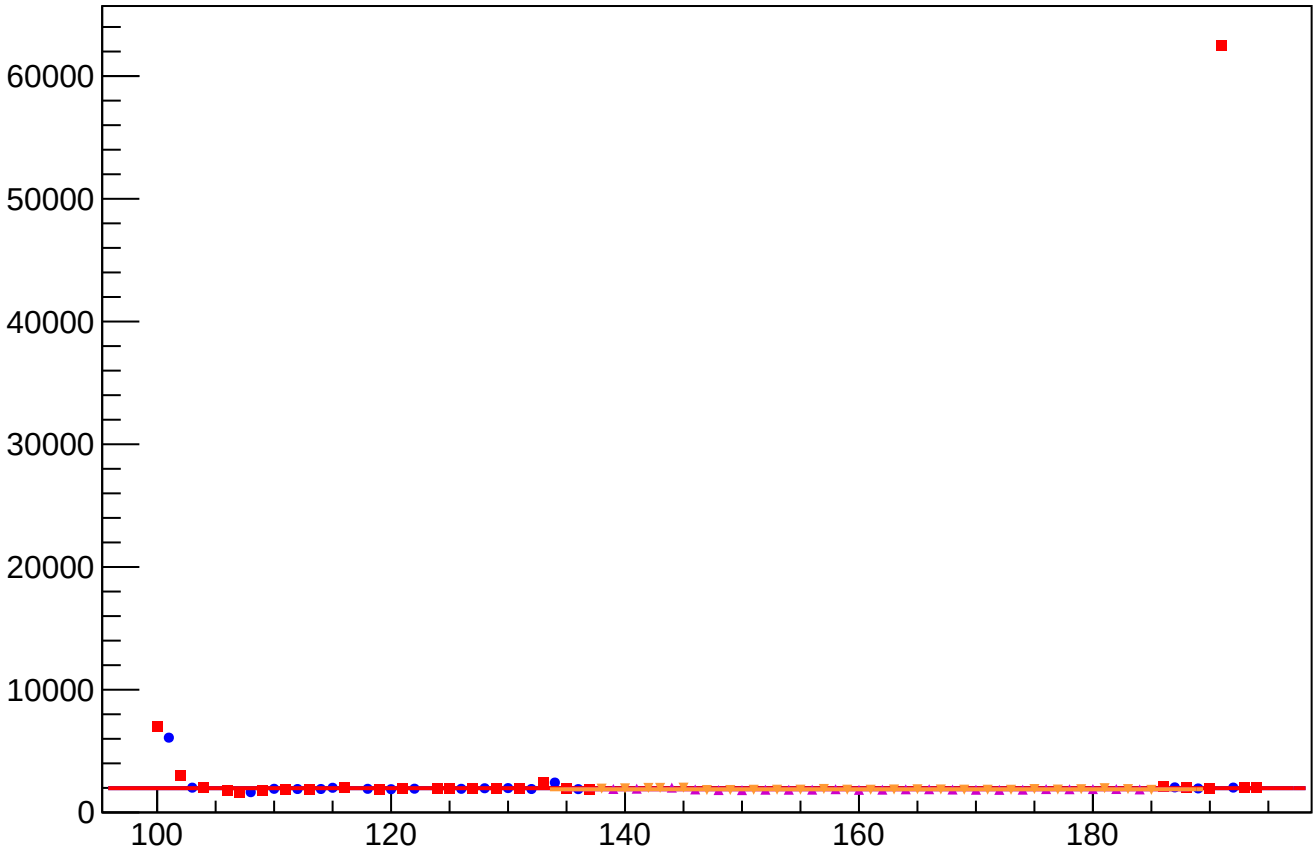
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2623.795+/-453.155 χ^2/NDF: 35.8/43

In: 2869.861+/-368.170 χ^2/NDF:39.5/41

Out: 2013.796+/-351.153 χ^2/NDF:54.3/49

All: 2421.588+/-254.106 χ^2/NDF: 96.7/91



Right In: 1979.698+/-0.477 χ^2/NDF: 666740.7/18

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 1977.802+/-0.432 χ^2/NDF: 413269.2/24

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

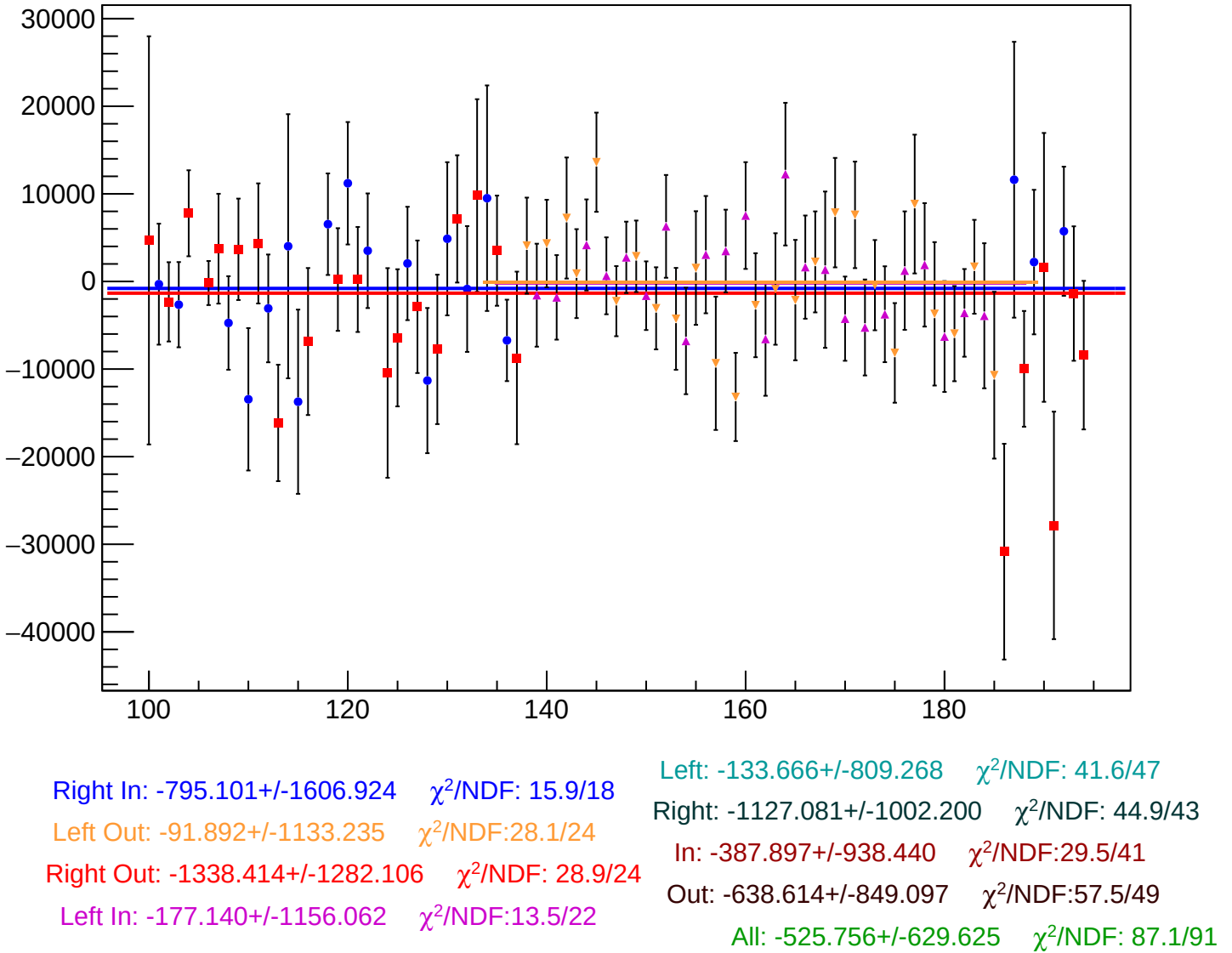
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

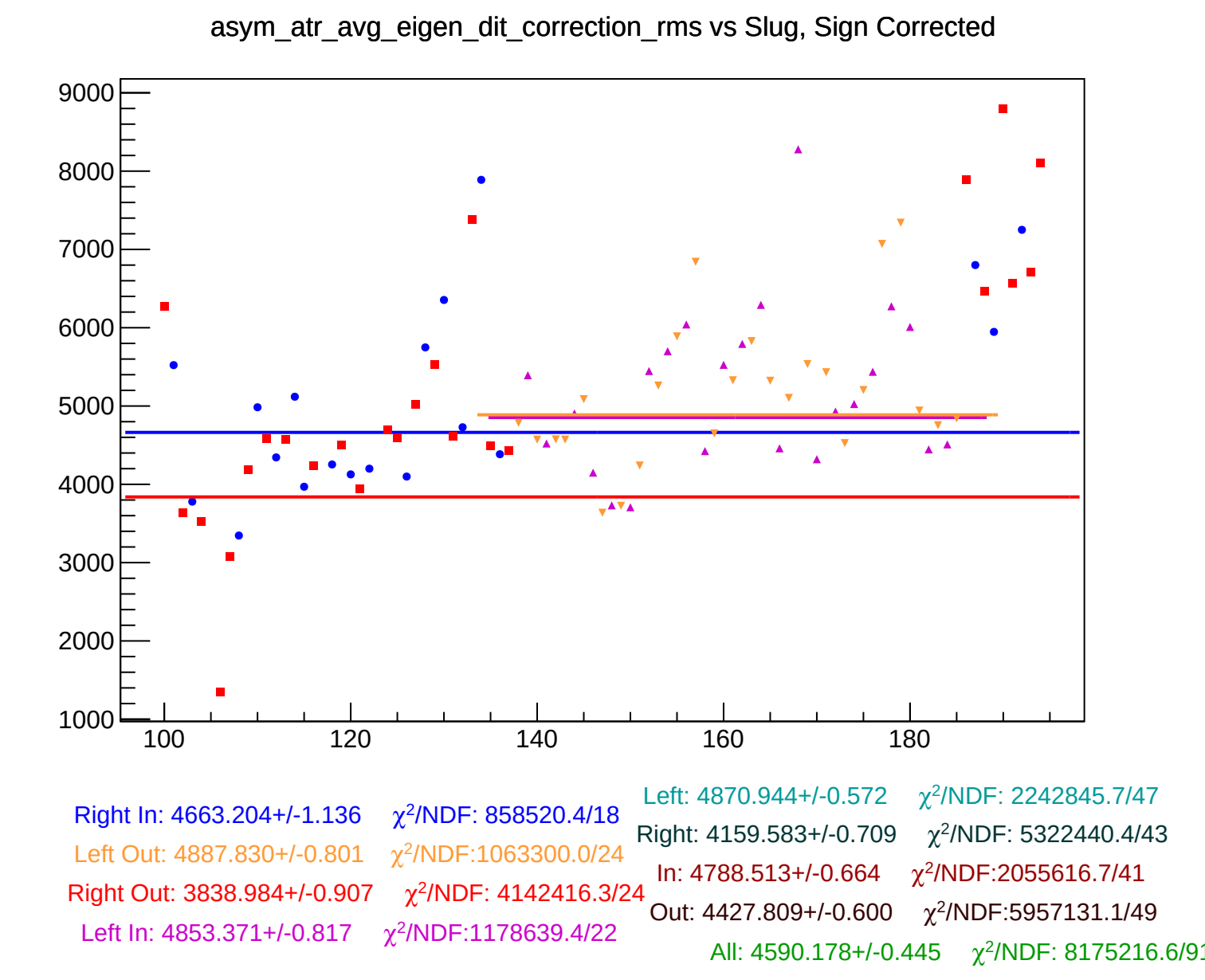
Right: 1978.656+/-0.320 χ^2/NDF: 1080018.5/43

In: 1910.055+/-0.260 χ^2/NDF:716070.4/41

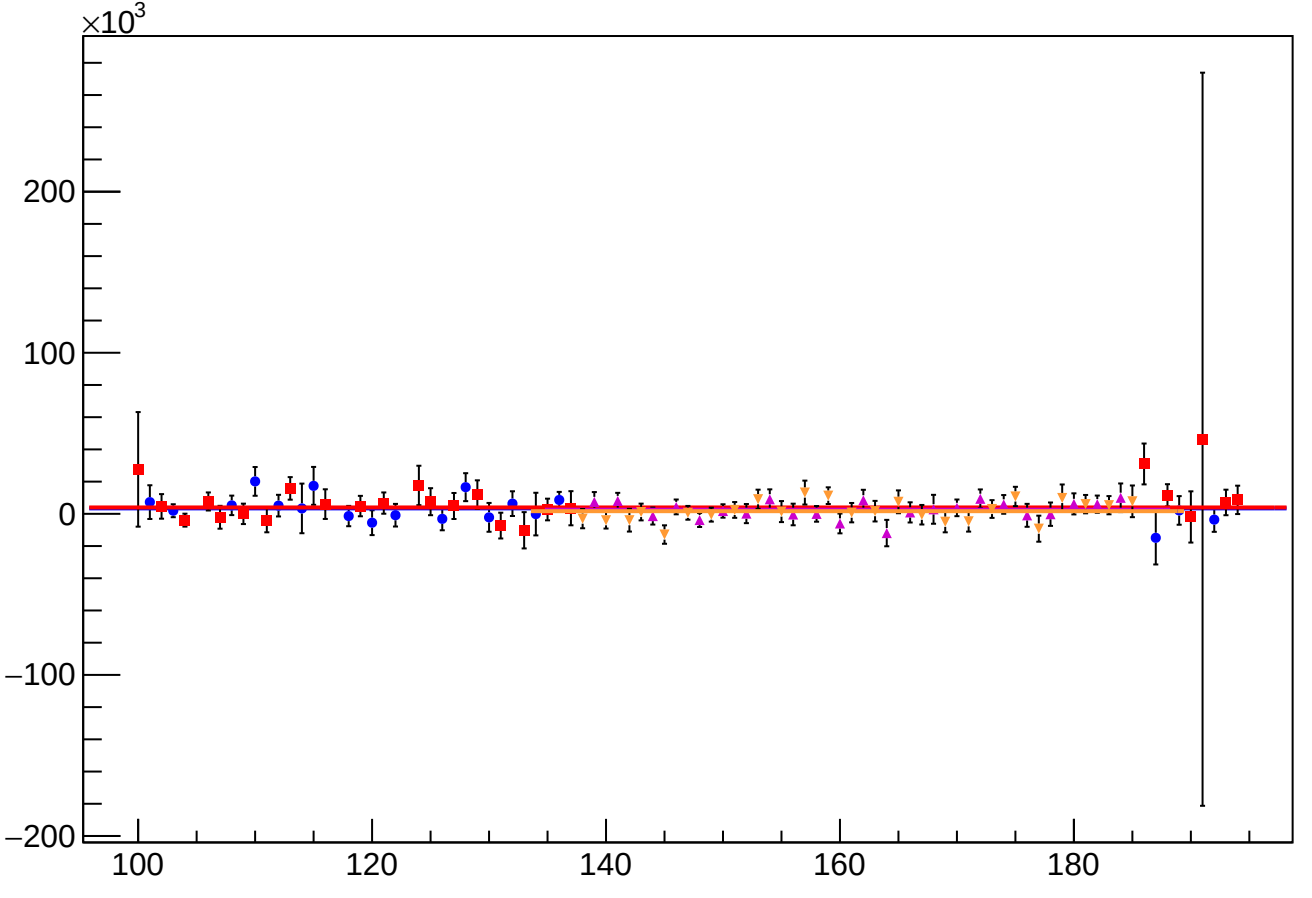
Out: 1917.349+/-0.248 χ^2/NDF:474458.9/49

All: 1913.875+/-0.180 χ^2/NDF: 1190940.3/91


asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: -795.101+/-1606.924 χ²/NDF: 15.9/18
Left Out: -91.892+/-1133.235 χ²/NDF:28.1/24
Right Out: -1338.414+/-1282.106 χ²/NDF: 28.9/24
Left In: -177.140+/-1156.062 χ²/NDF:13.5/22
Left: -133.666+/-809.268 χ²/NDF: 41.6/47
Right: -1127.081+/-1002.200 χ²/NDF: 44.9/43
In: -387.897+/-938.440 χ²/NDF:29.5/41
Out: -638.614+/-849.097 χ²/NDF:57.5/49
All: -525.756+/-629.625 χ²/NDF: 87.1/91


asym_atr_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
Right In: 4663.204+/-1.136 χ²/NDF: 858520.4/18
Left Out: 4887.830+/-0.801 χ²/NDF:1063300.0/24
Right Out: 3838.984+/-0.907 χ²/NDF: 4142416.3/24
Left In: 4853.371+/-0.817 χ²/NDF:1178639.4/22
Left: 4870.944+/-0.572 χ²/NDF: 2242845.7/47
Right: 4159.583+/-0.709 χ²/NDF: 5322440.4/43
In: 4788.513+/-0.664 χ²/NDF:2055616.7/41
Out: 4427.809+/-0.600 χ²/NDF:5957131.1/49
All: 4590.178+/-0.445 χ²/NDF: 8175216.6/91

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3383.606+/-1693.510 χ^2/NDF: 14.6/18

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: 3957.057+/-1547.250 χ^2/NDF: 22.3/24

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

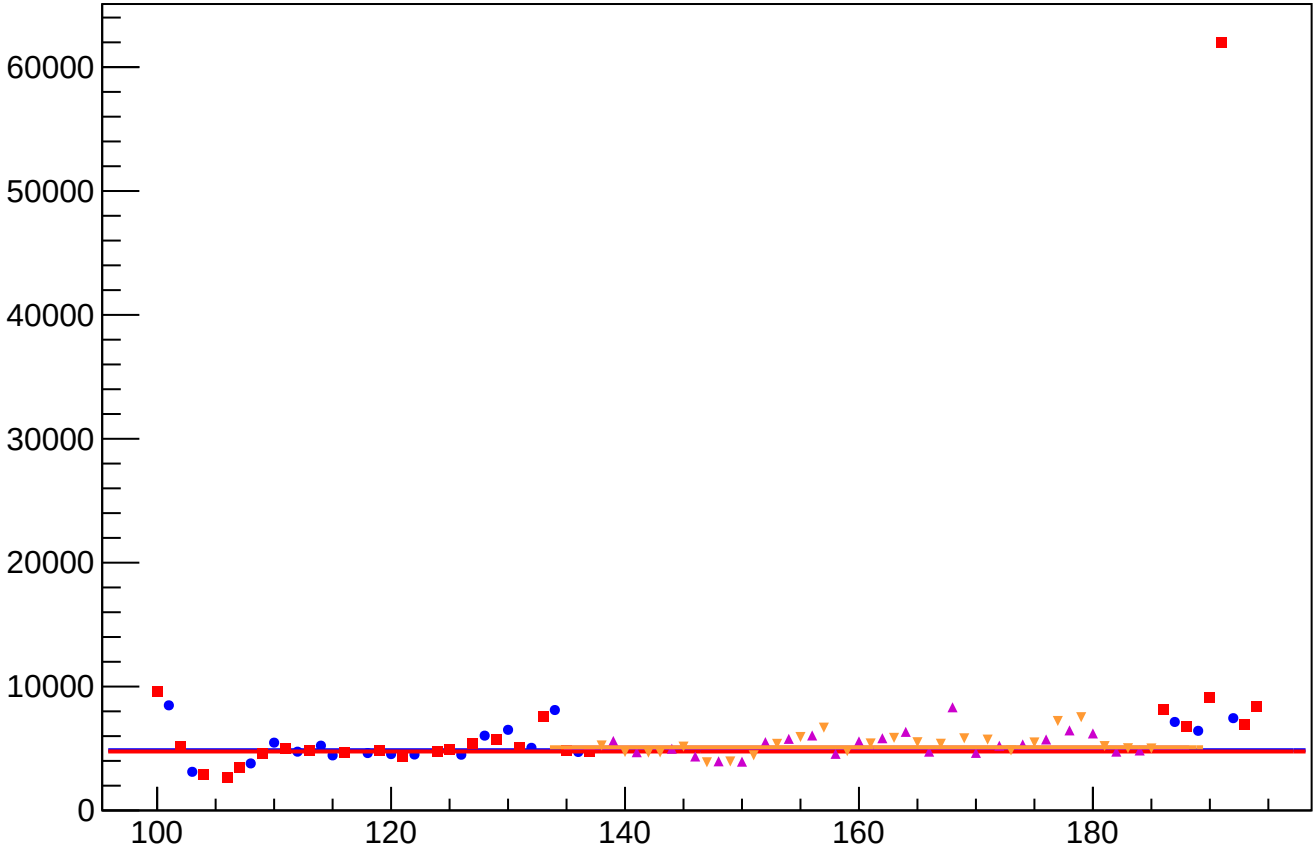
Right: 3696.159+/-1142.285 χ^2/NDF: 36.9/43

In: 2839.053+/-981.525 χ^2/NDF:30.7/41

Out: 2500.089+/-937.597 χ^2/NDF:49.6/49

All: 2661.816+/-677.979 χ^2/NDF: 80.4/91

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4862.856+/-1.197 χ^2/NDF: 1268279.8/18

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 4759.550+/-1.086 χ^2/NDF: 2149993.0/24

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

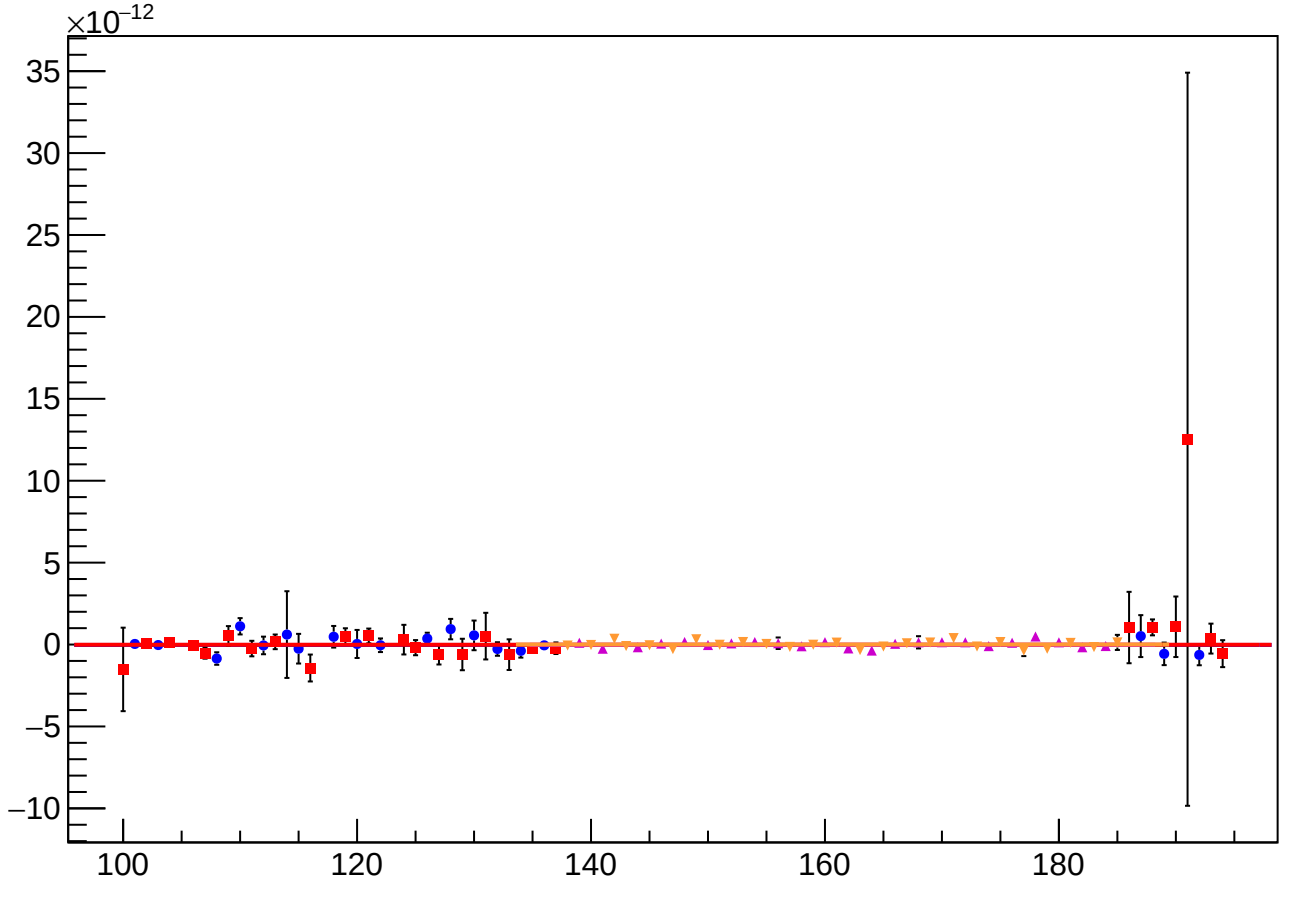
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 4806.168+/-0.804 χ^2/NDF: 3422356.7/43

In: 5002.770+/-0.694 χ^2/NDF:2280752.0/41

Out: 4974.206+/-0.661 χ^2/NDF:3121410.2/49

All: 4987.795+/-0.479 χ^2/NDF: 5403050.2/91



Right In: -0.000+/-0.000 χ^2/NDF: 17.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/24

Left In: -0.000+/-0.000 χ^2/NDF:32.4/22

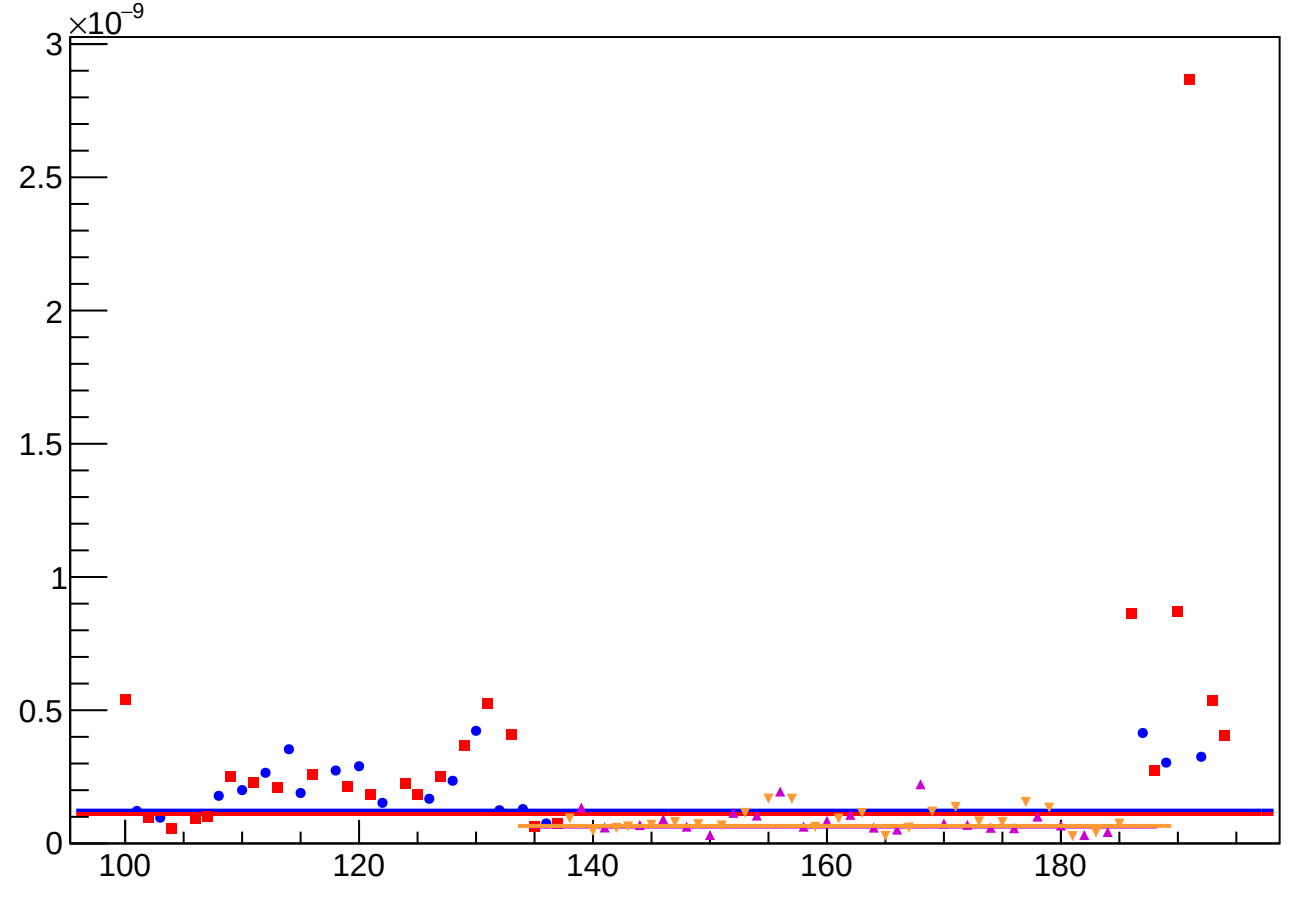
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 39.0/43

In: -0.000+/-0.000 χ^2/NDF:50.1/41

Out: -0.000+/-0.000 χ^2/NDF:54.7/49

All: -0.000+/-0.000 χ^2/NDF: 105.0/91



Right In: 0.000+/-0.000 χ^2/NDF: 1559334.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3406306.9/24

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

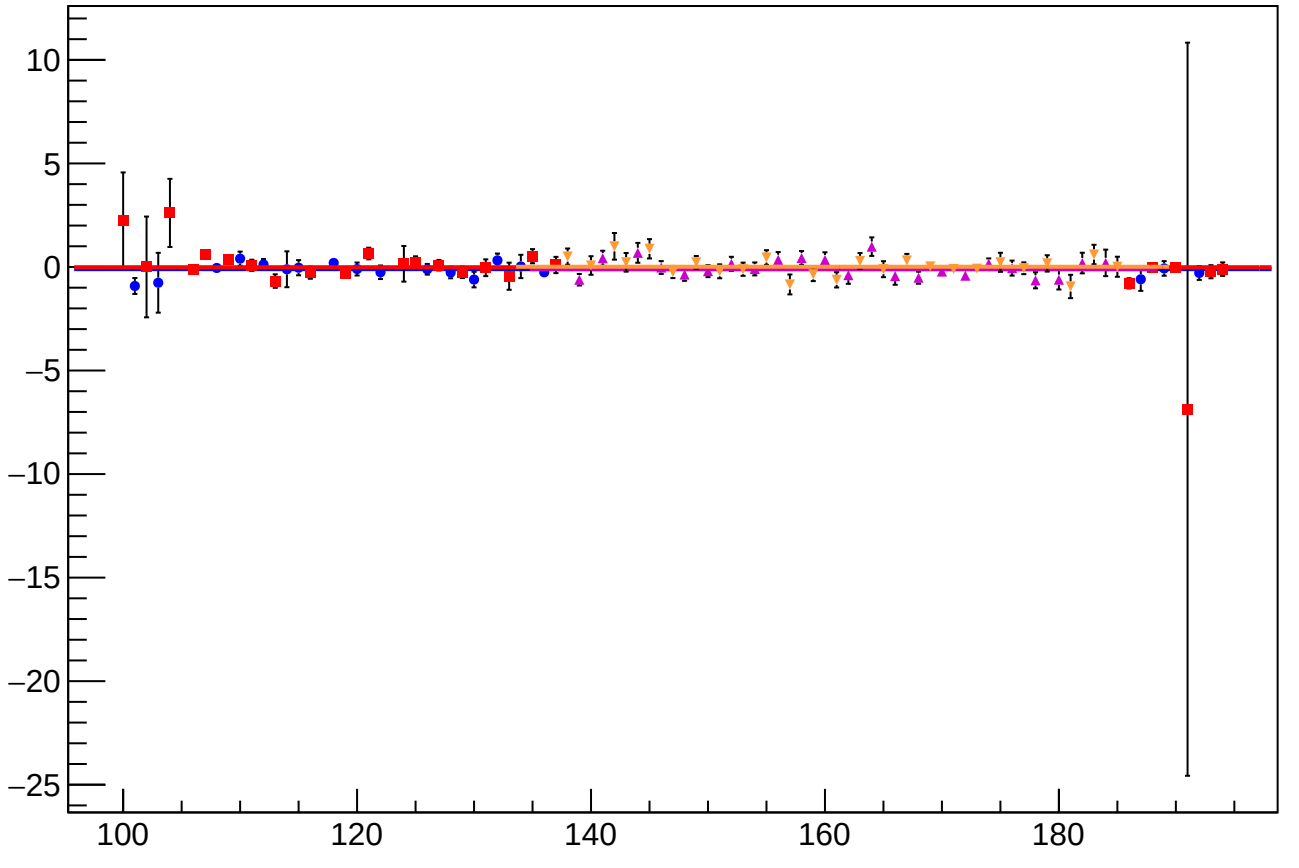
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 4995176.3/43

In: 0.000+/-0.000 χ^2/NDF:4899462.5/41

Out: 0.000+/-0.000 χ^2/NDF:6568065.7/49

All: 0.000+/-0.000 χ^2/NDF: 11469571.7/91



Right In: -0.105+/-0.073 χ^2/NDF: 15.0/18

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.011+/-0.056 χ^2/NDF: 40.7/24

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

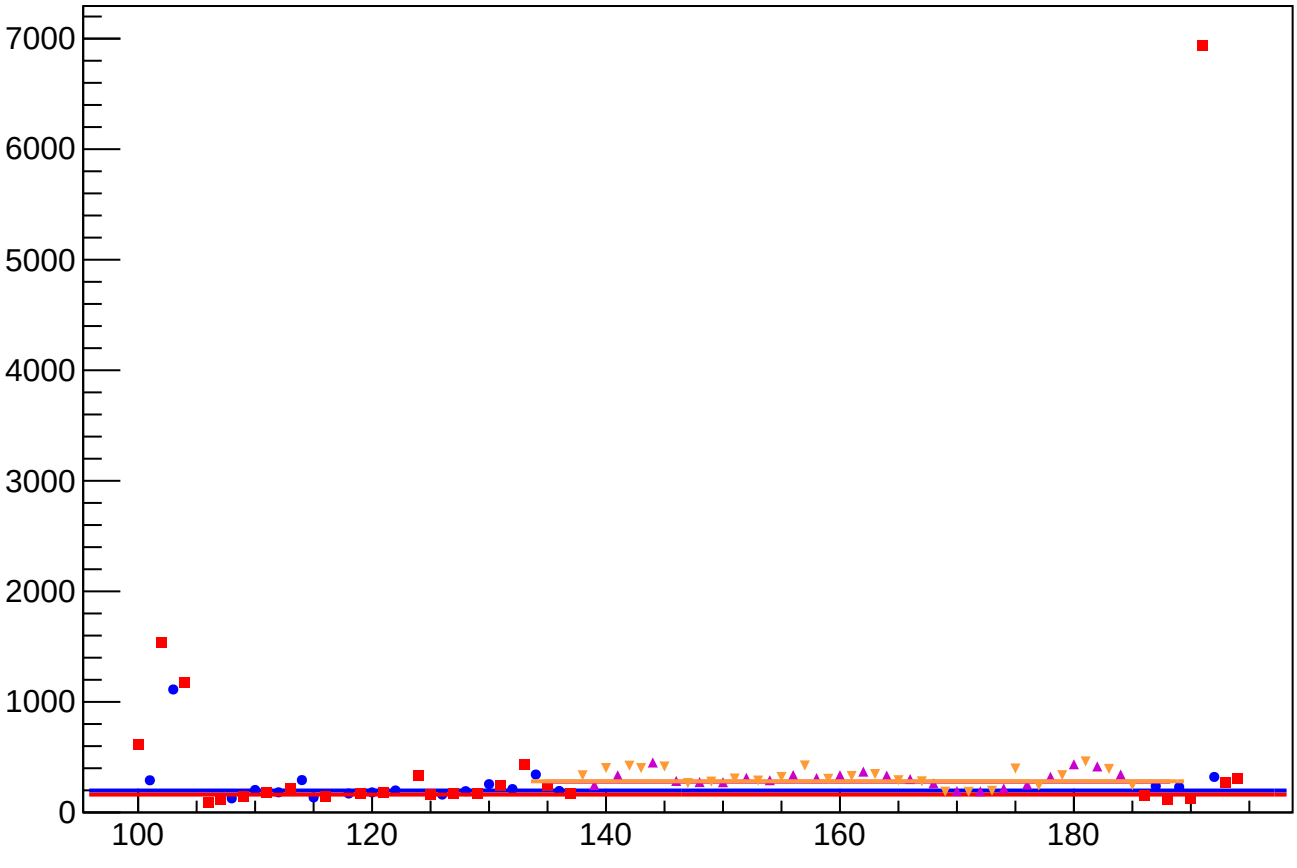
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.047+/-0.045 χ^2/NDF: 56.7/43

In: -0.105+/-0.050 χ^2/NDF:46.4/41

Out: -0.002+/-0.043 χ^2/NDF:66.0/49

All: -0.046+/-0.033 χ^2/NDF: 114.8/91



Right In: 198.289+/-0.051 χ^2/NDF: 1784849.1/18

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 161.587+/-0.040 χ^2/NDF: 3856816.8/24

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

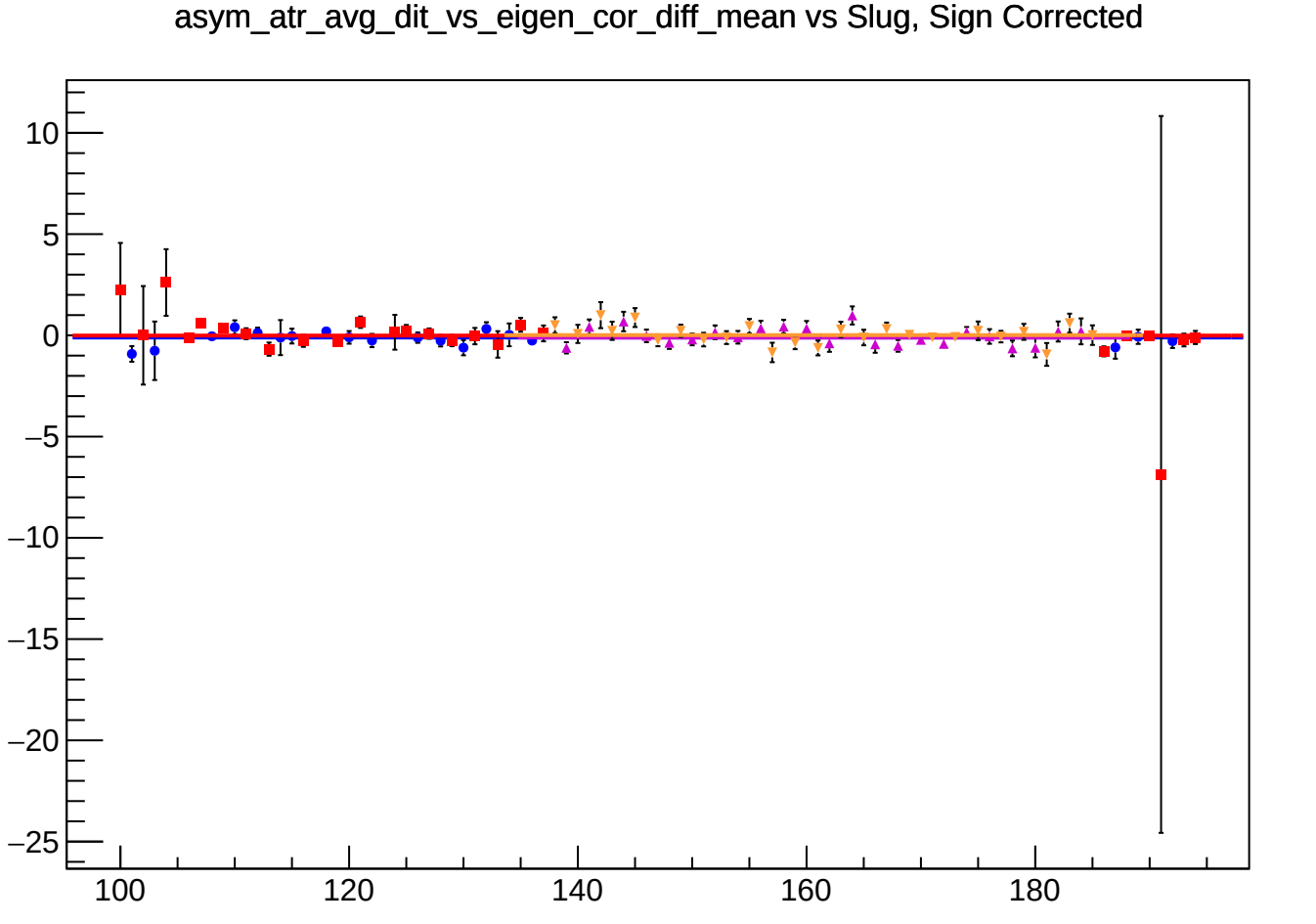
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 175.415+/-0.032 χ^2/NDF: 5960338.5/43

In: 240.613+/-0.035 χ^2/NDF:4871641.8/41

Out: 210.587+/-0.031 χ^2/NDF:10076817.9/49

All: 223.544+/-0.023 χ^2/NDF: 15360810.9/91



Right In: -0.105+/-0.073 χ^2/NDF: 15.0/18

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.011+/-0.056 χ^2/NDF: 40.7/24

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

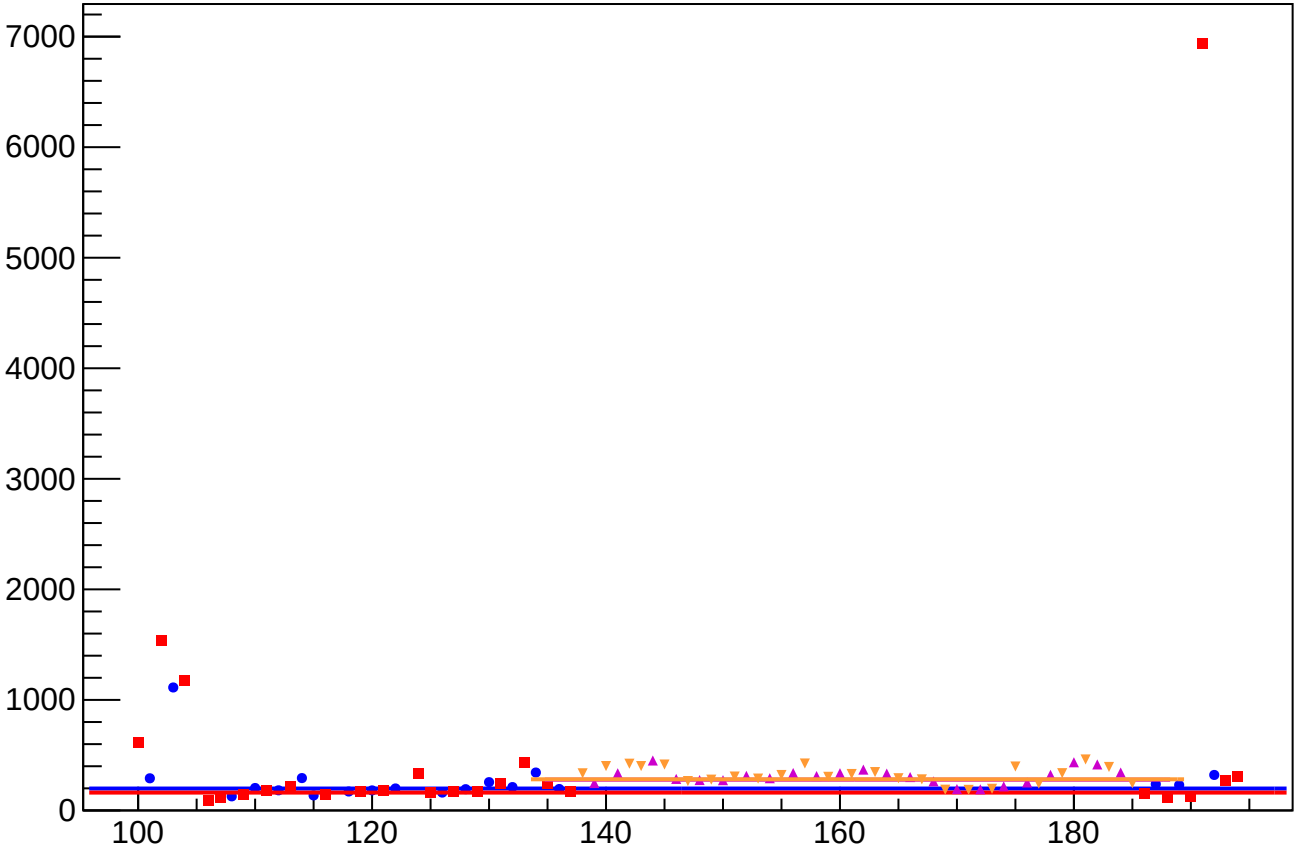
Right: -0.047+/-0.045 χ^2/NDF: 56.7/43

In: -0.105+/-0.050 χ^2/NDF:46.4/41

Out: -0.002+/-0.043 χ^2/NDF:66.0/49

All: -0.046+/-0.033 χ^2/NDF: 114.8/91

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 198.289+/-0.051 χ^2/NDF: 1784849.1/18

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 161.587+/-0.040 χ^2/NDF: 3856816.8/24

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

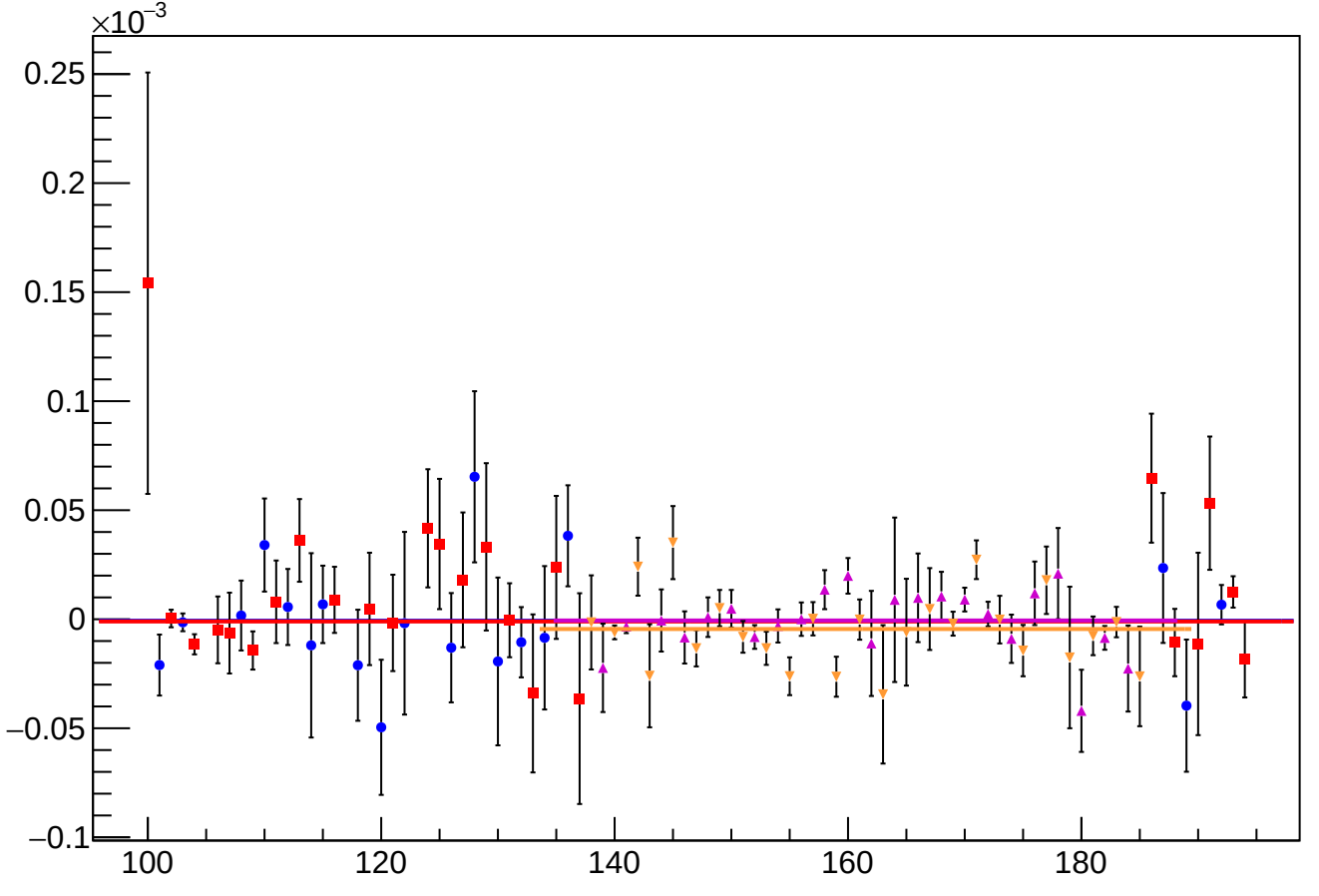
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 175.415+/-0.032 χ^2/NDF: 5960338.5/43

In: 240.613+/-0.035 χ^2/NDF:4871641.8/41

Out: 210.587+/-0.031 χ^2/NDF:10076817.9/49

All: 223.544+/-0.023 χ^2/NDF: 15360810.9/91



Right In: -0.000+/-0.000 χ^2/NDF: 17.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/24

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

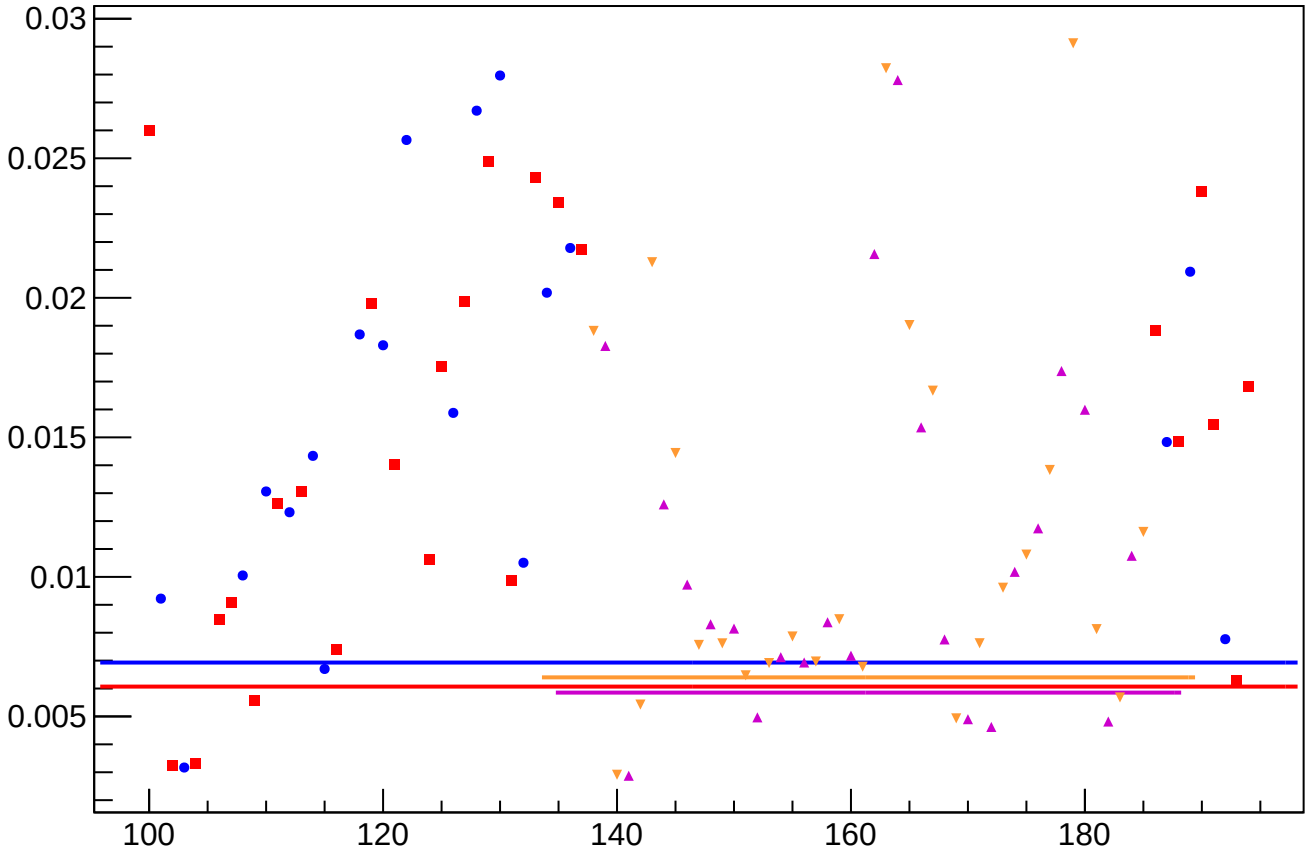
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

Right: -0.000+/-0.000 χ^2/NDF: 52.6/43

In: -0.000+/-0.000 χ^2/NDF:46.8/41

Out: -0.000+/-0.000 χ^2/NDF:82.7/49

All: -0.000+/-0.000 χ^2/NDF: 131.3/91



Right In: 0.007+/-0.000 χ^2/NDF: 6500754.8/18

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.006+/-0.000 χ^2/NDF: 8171881.0/24

Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

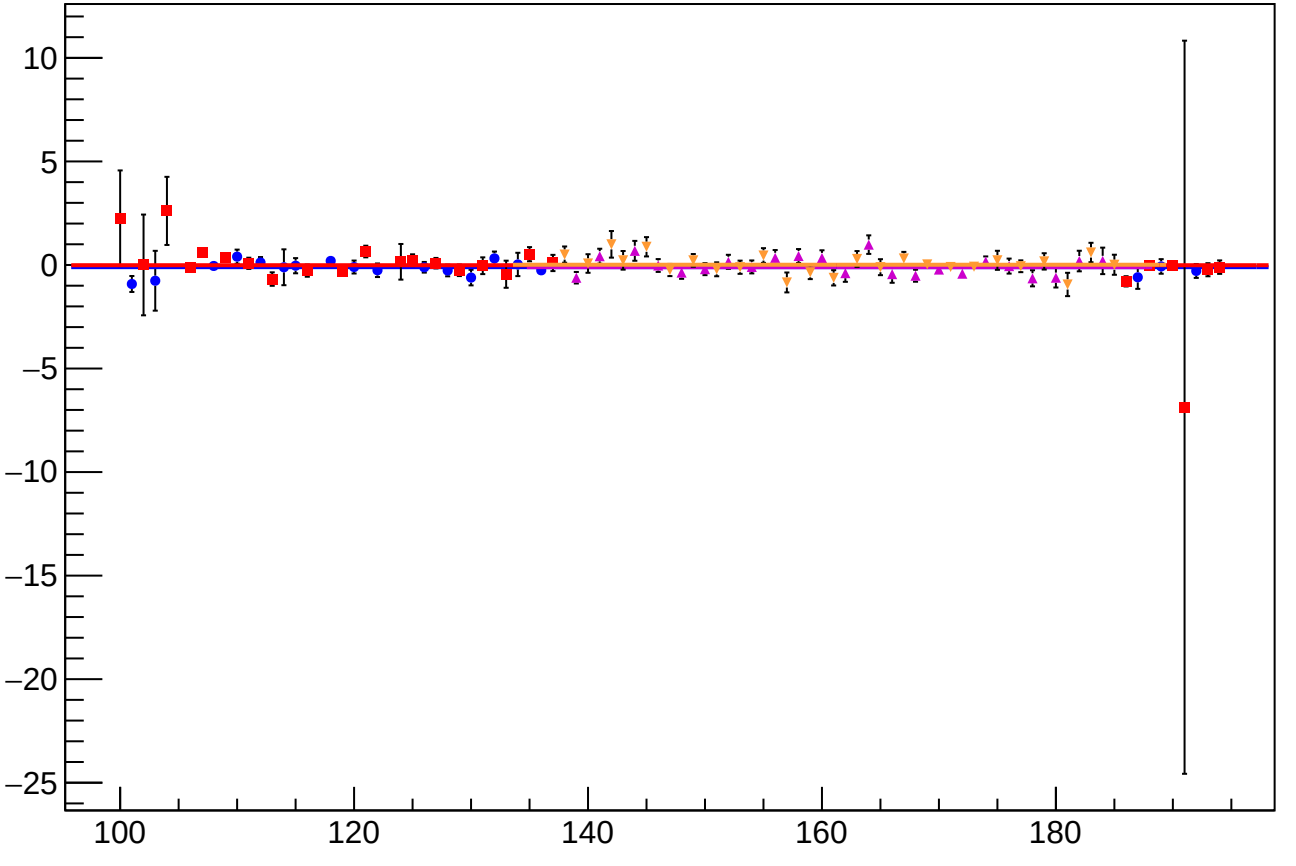
Right: 0.006+/-0.000 χ^2/NDF: 14771515.3/43

In: 0.006+/-0.000 χ^2/NDF:14835550.4/41

Out: 0.006+/-0.000 χ^2/NDF:17161980.9/49

All: 0.006+/-0.000 χ^2/NDF: 32016361.0/91

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.073 χ^2/NDF: 15.0/18

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.011+/-0.056 χ^2/NDF: 40.7/24

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

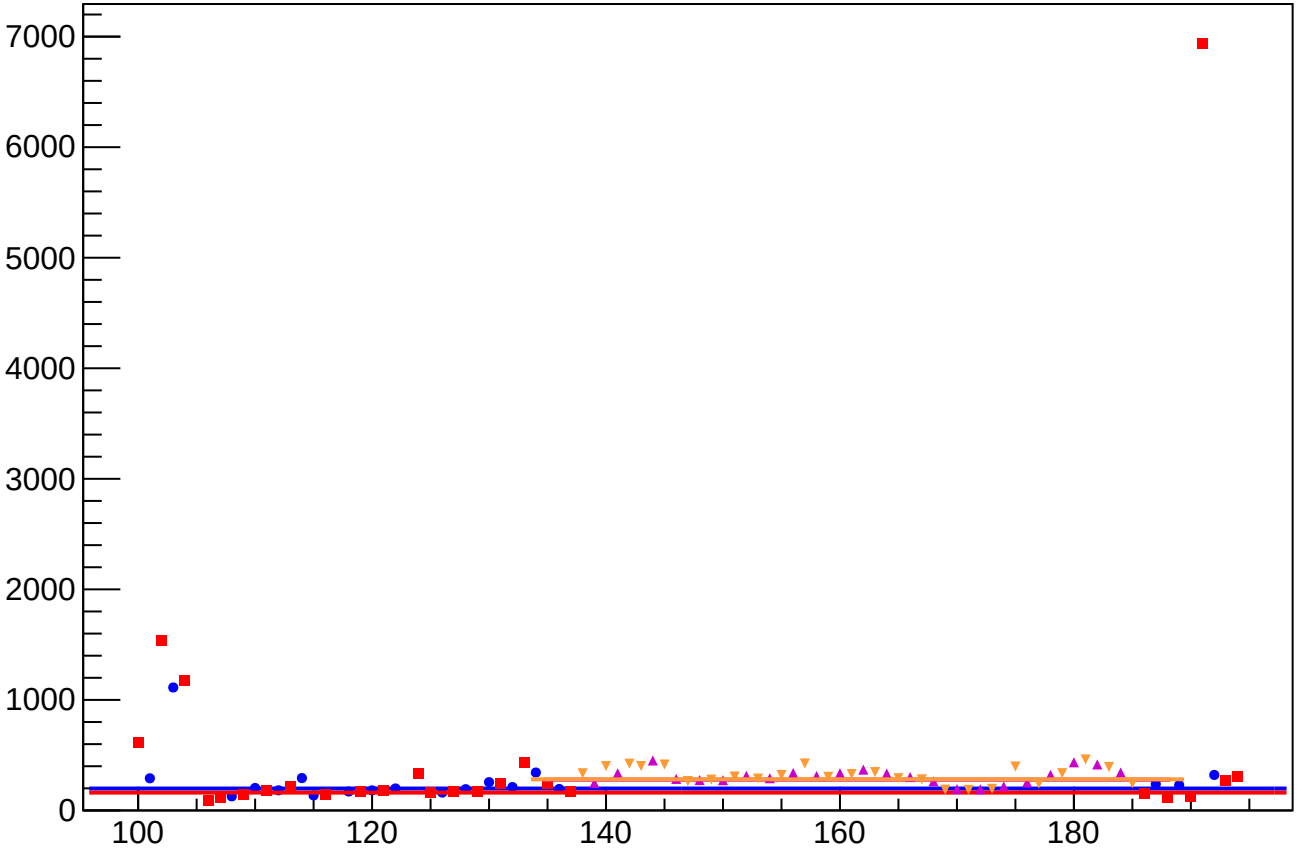
Right: -0.047+/-0.045 χ^2/NDF: 56.7/43

In: -0.105+/-0.050 χ^2/NDF:46.4/41

Out: -0.002+/-0.043 χ^2/NDF:66.0/49

All: -0.046+/-0.033 χ^2/NDF: 114.8/91

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 198.289+/-0.051 χ^2/NDF: 1784846.2/18

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 161.584+/-0.040 χ^2/NDF: 3856894.3/24

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

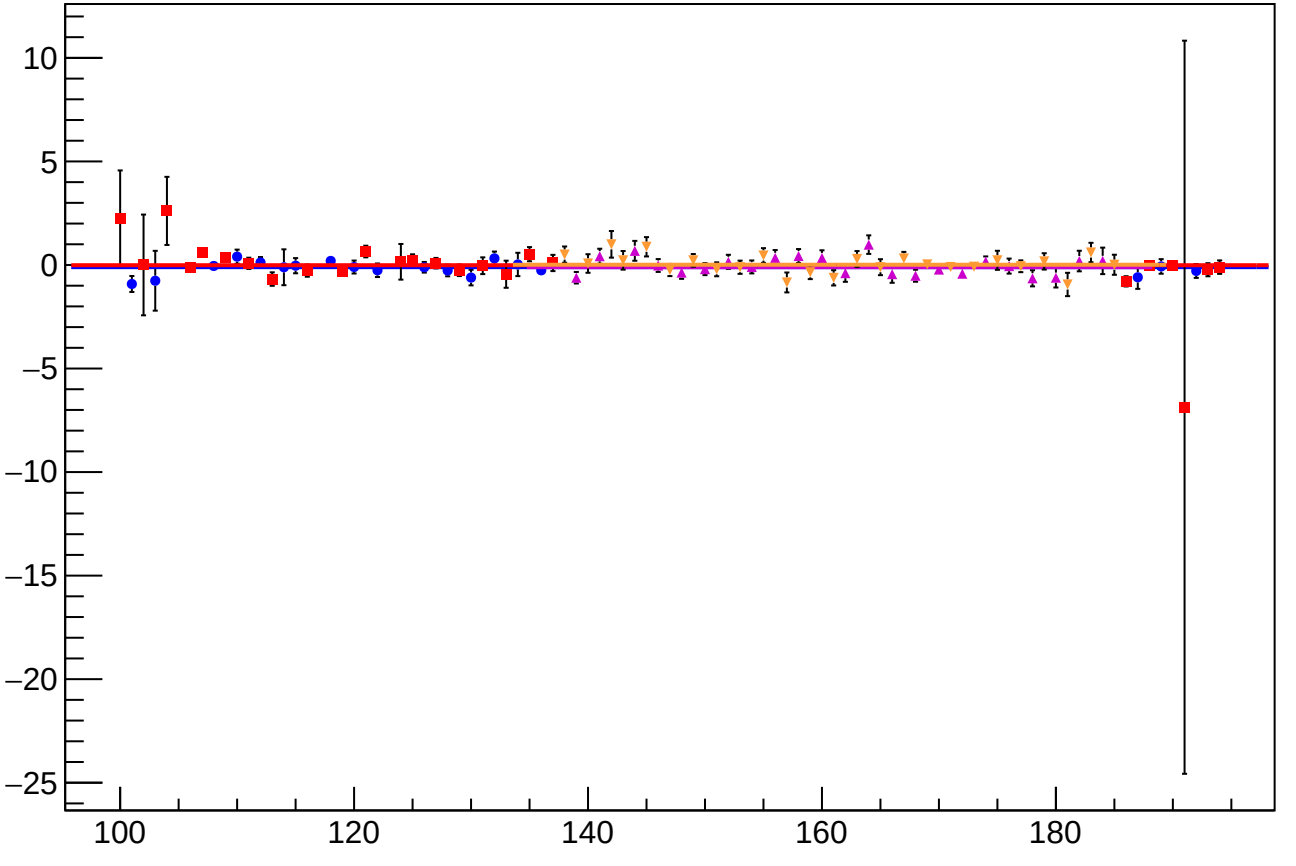
Right: 175.412+/-0.032 χ^2/NDF: 5960467.4/43

In: 240.613+/-0.035 χ^2/NDF:4871763.0/41

Out: 210.584+/-0.031 χ^2/NDF:10077319.7/49

All: 223.543+/-0.023 χ^2/NDF: 15361515.9/91

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.073 χ^2/NDF: 15.0/18

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.011+/-0.056 χ^2/NDF: 40.7/24

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

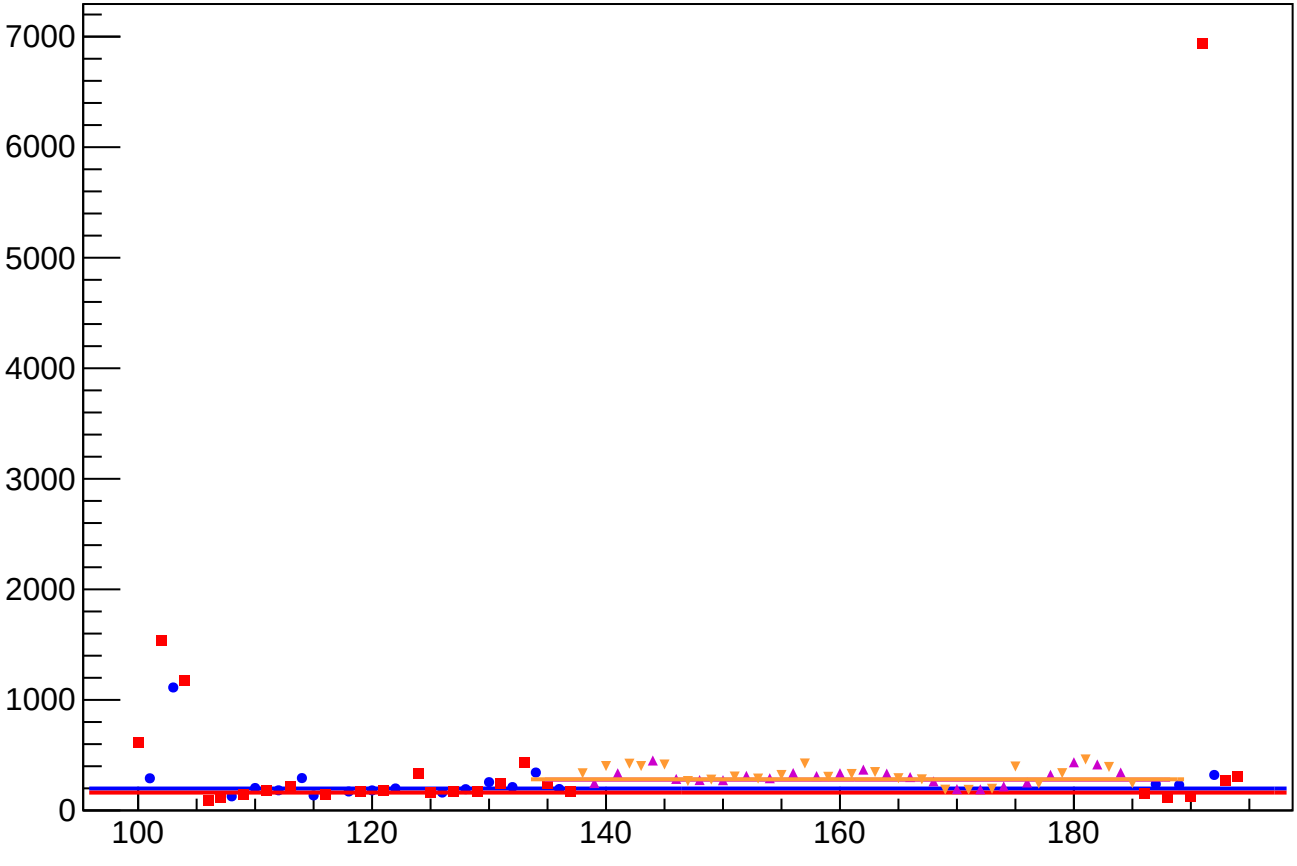
Right: -0.047+/-0.045 χ^2/NDF: 56.7/43

In: -0.105+/-0.050 χ^2/NDF:46.4/41

Out: -0.002+/-0.043 χ^2/NDF:66.0/49

All: -0.046+/-0.033 χ^2/NDF: 114.8/91

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 198.289+/-0.051 χ^2/NDF: 1784846.2/18

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 161.584+/-0.040 χ^2/NDF: 3856894.3/24

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

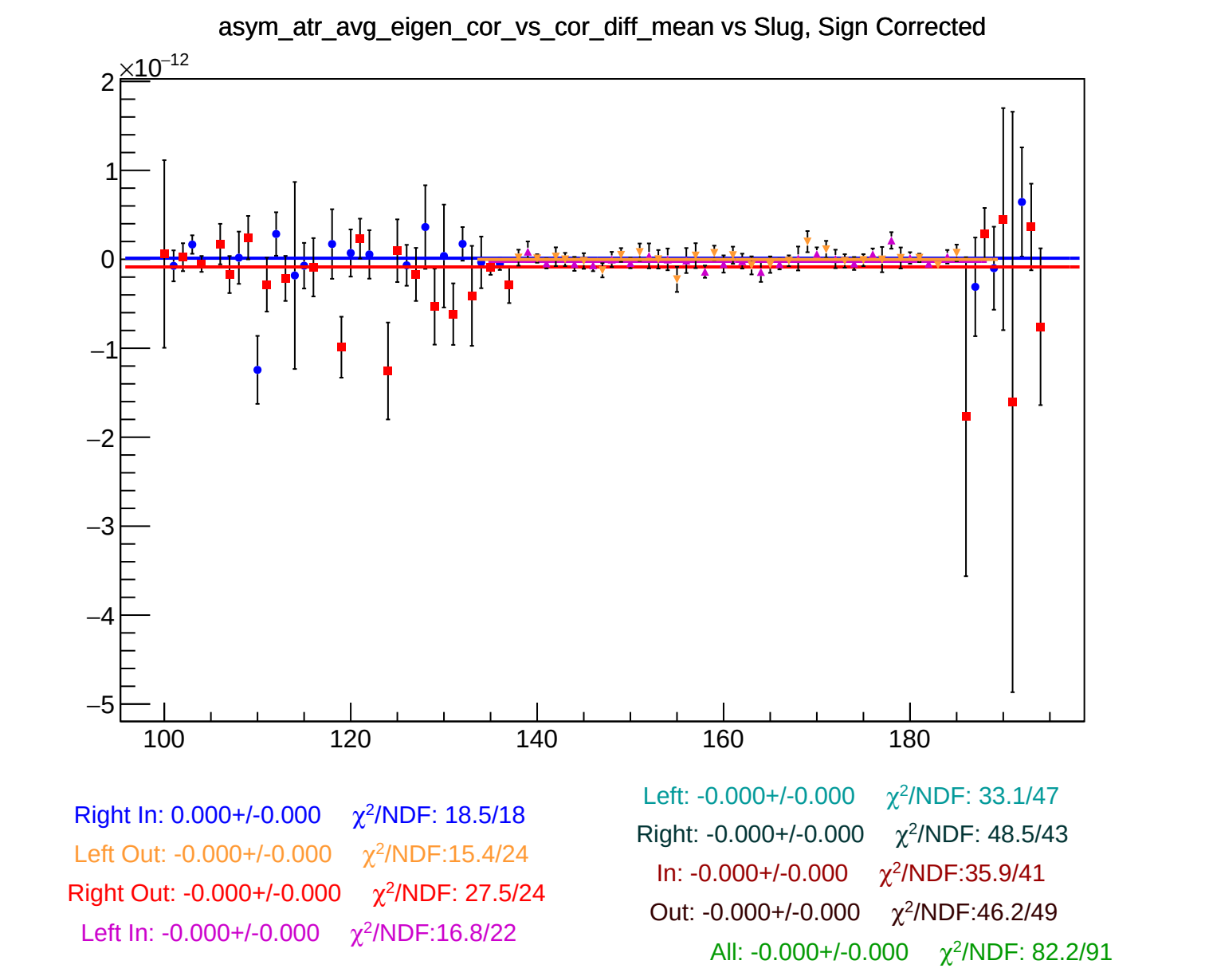
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

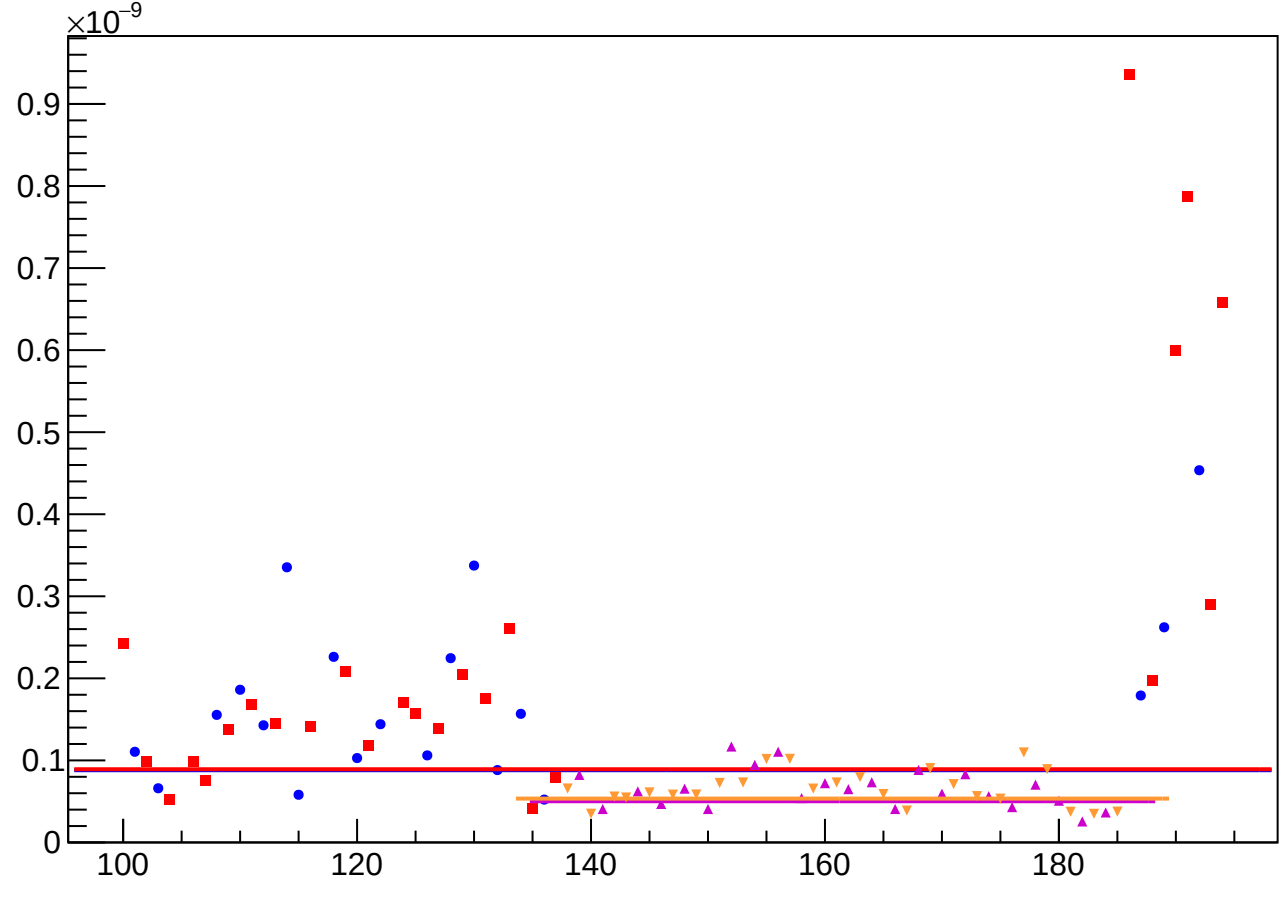
Right: 175.412+/-0.032 χ^2/NDF: 5960467.4/43

In: 240.613+/-0.035 χ^2/NDF:4871763.0/41

Out: 210.584+/-0.031 χ^2/NDF:10077319.7/49

All: 223.543+/-0.023 χ^2/NDF: 15361515.9/91


asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 18.5/18
Left Out: -0.000+/-0.000 χ²/NDF:15.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.5/24
Left In: -0.000+/-0.000 χ²/NDF:16.8/22
Left: -0.000+/-0.000 χ²/NDF: 33.1/47
Right: -0.000+/-0.000 χ²/NDF: 48.5/43
In: -0.000+/-0.000 χ²/NDF:35.9/41
Out: -0.000+/-0.000 χ²/NDF:46.2/49
All: -0.000+/-0.000 χ²/NDF: 82.2/91



Right In: 0.000+/-0.000 χ^2/NDF: 3168672.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4640493.4/24

Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6193032.5/47

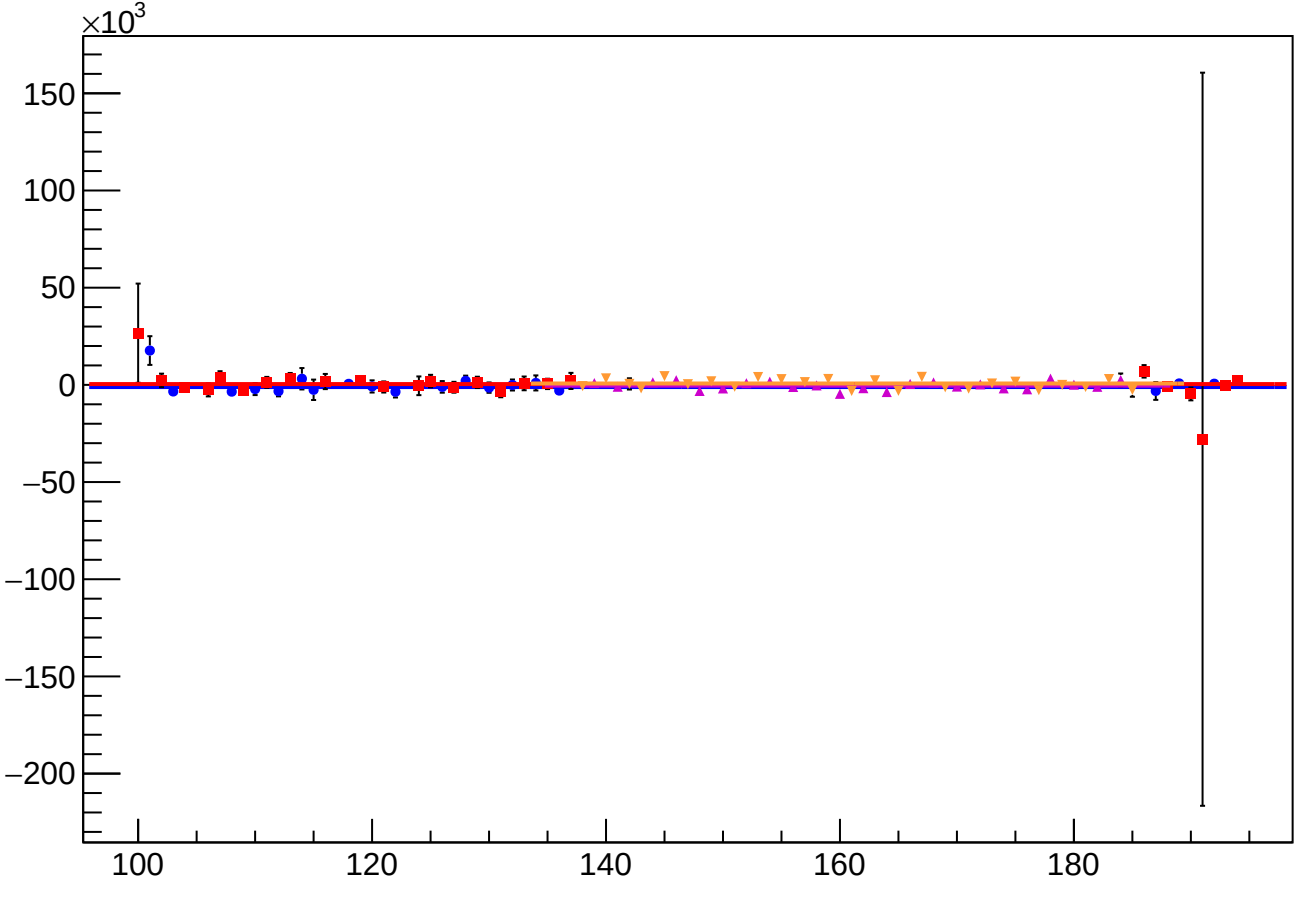
Right: 0.000+/-0.000 χ^2/NDF: 7809859.4/43

In: 0.000+/-0.000 χ^2/NDF:7798179.2/41

Out: 0.000+/-0.000 χ^2/NDF:8597356.4/49

All: 0.000+/-0.000 χ^2/NDF: 16447233.2/91

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1124.470+/-651.241 χ^2/NDF: 15.2/18

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: 410.136+/-589.102 χ^2/NDF: 17.7/24

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

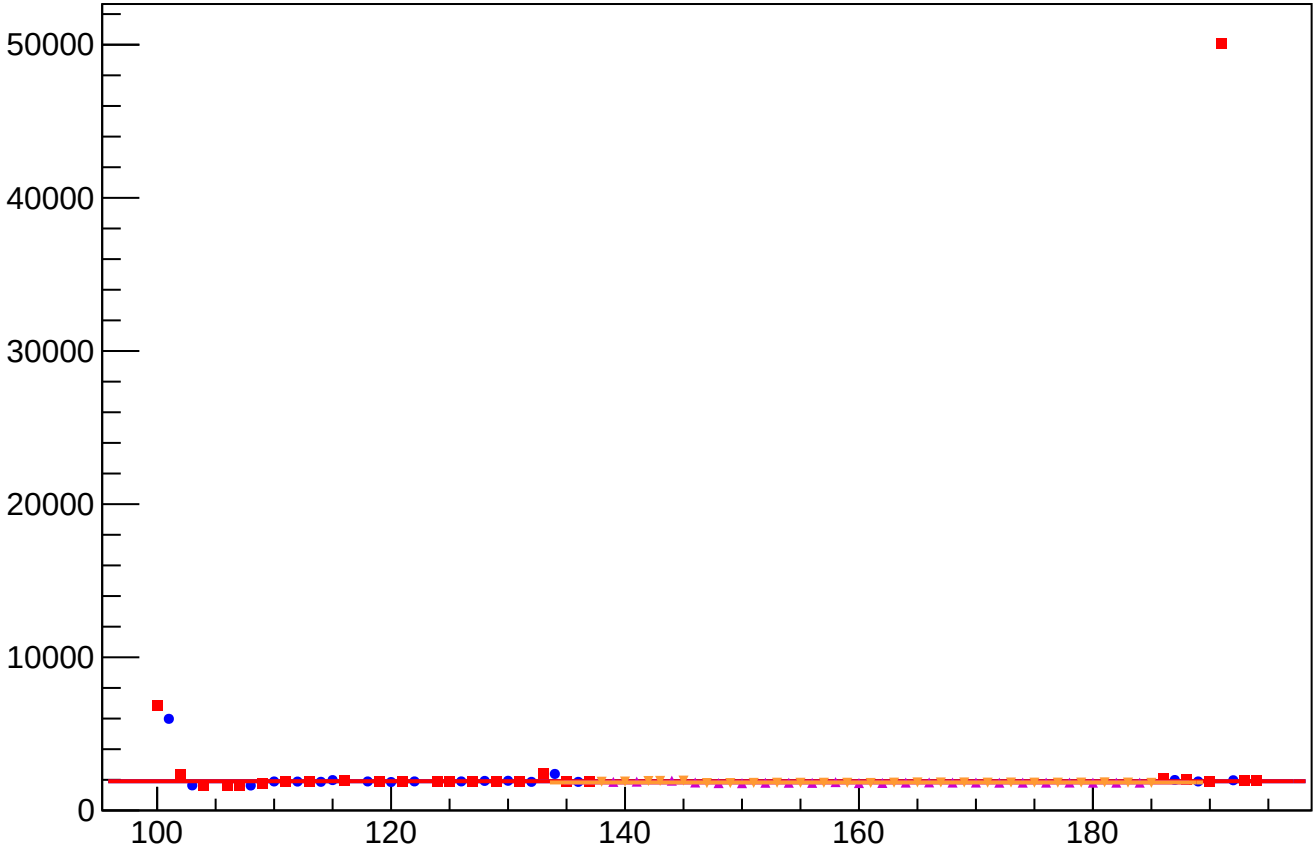
Right: -280.478+/-436.879 χ^2/NDF: 36.0/43

In: -619.455+/-356.628 χ^2/NDF:36.8/41

Out: 607.578+/-339.478 χ^2/NDF:49.8/49

All: 24.273+/-245.886 χ^2/NDF: 92.8/91

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1908.056+/-0.460 χ^2/NDF: 700547.8/18

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1909.211+/-0.416 χ^2/NDF: 369868.6/24

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

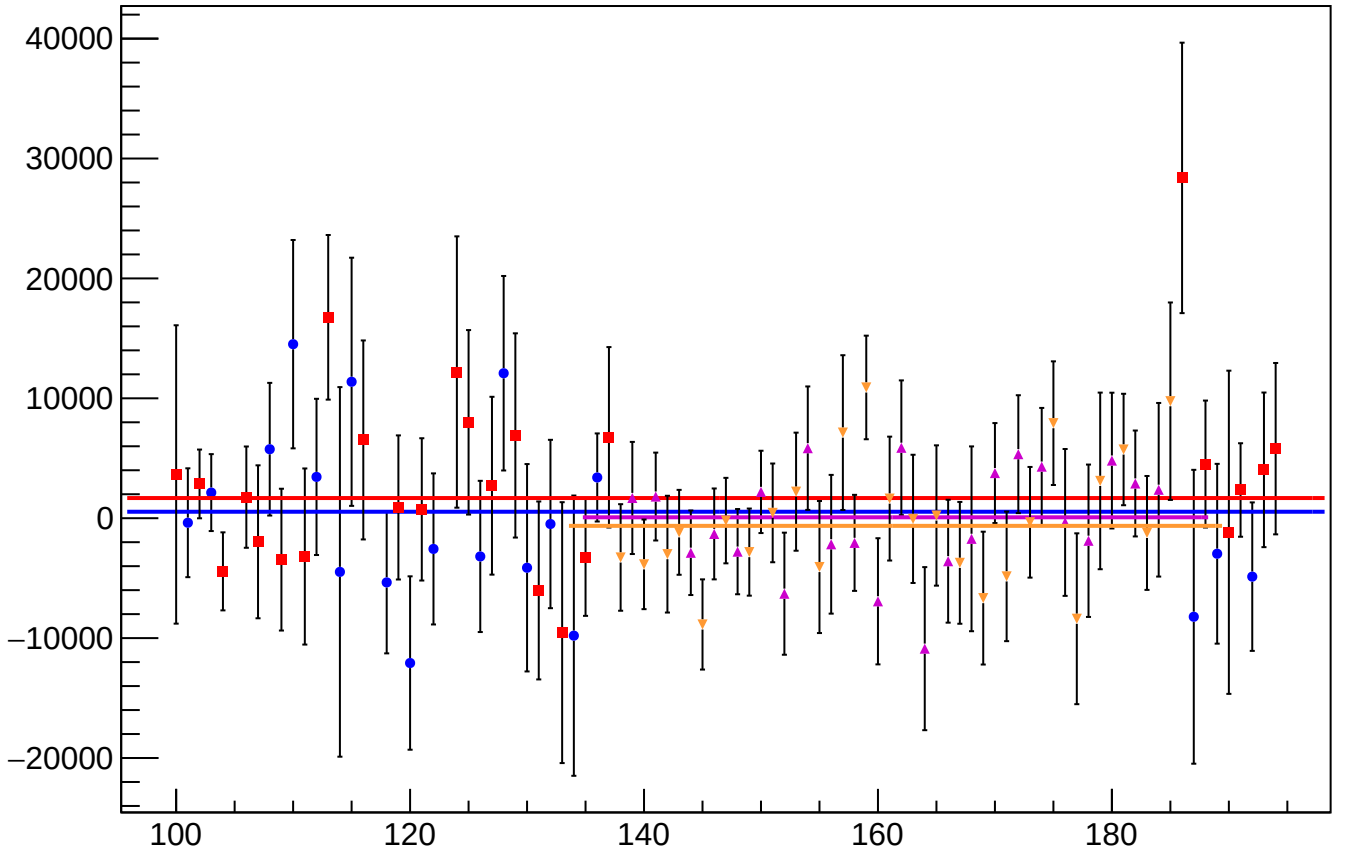
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1908.693+/-0.309 χ^2/NDF: 1070419.9/43

In: 1850.022+/-0.252 χ^2/NDF:736592.8/41

Out: 1855.216+/-0.240 χ^2/NDF:414513.3/49

All: 1852.749+/-0.174 χ^2/NDF: 1151328.9/91



Right In: 539.726+/-1403.697 χ^2/NDF: 15.0/18

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: 1681.756+/-1159.614 χ^2/NDF: 22.4/24

Left In: 75.764+/-980.243 χ^2/NDF:15.4/22

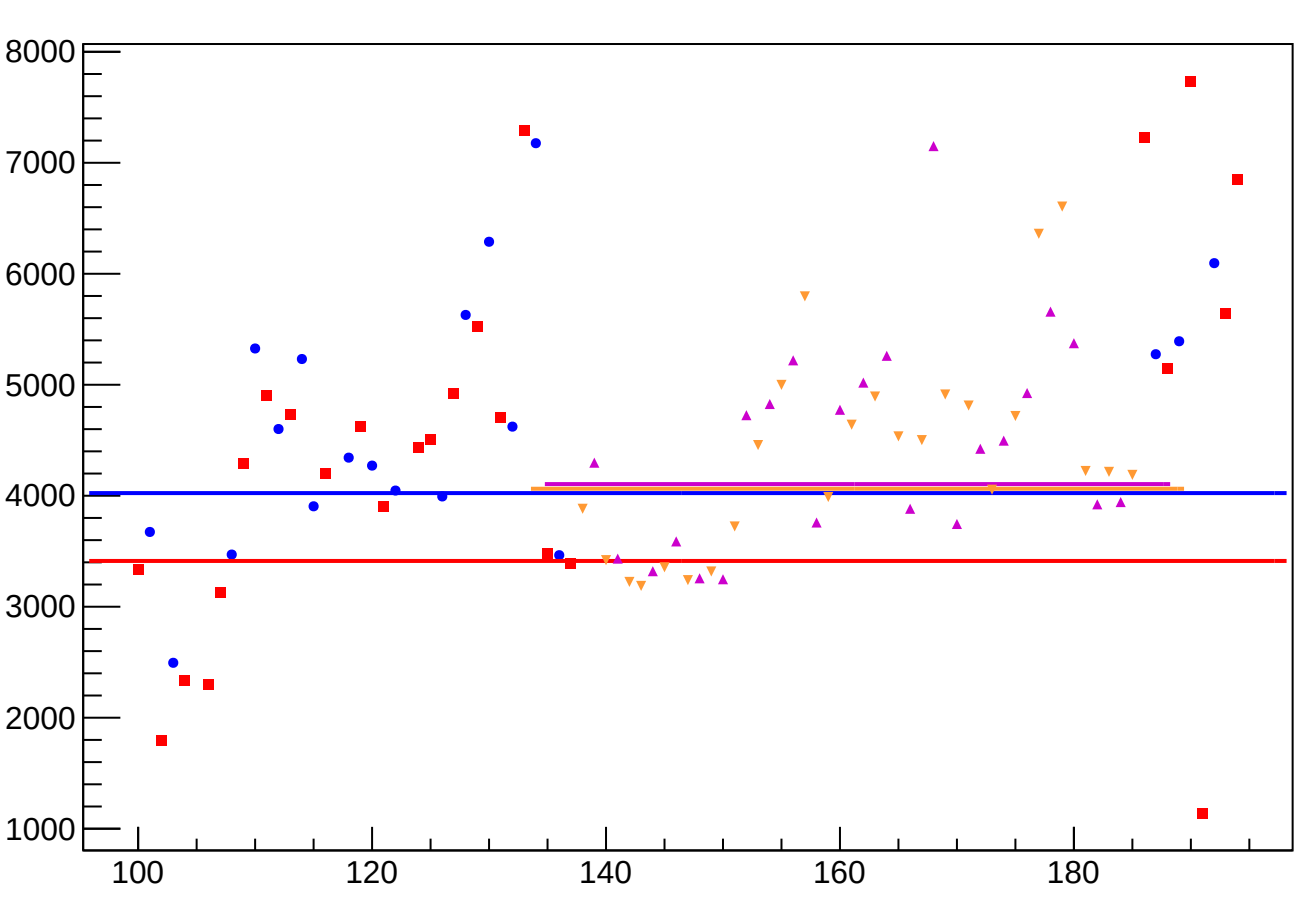
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 1218.510+/-894.006 χ^2/NDF: 37.9/43

In: 227.854+/-803.677 χ^2/NDF:30.5/41

Out: 290.133+/-733.426 χ^2/NDF:50.8/49

All: 261.834+/-541.747 χ^2/NDF: 81.4/91



Right In: 4023.893+/-0.993 χ^2/NDF: 1301024.3/18

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3412.443+/-0.820 χ^2/NDF: 3920873.2/24

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

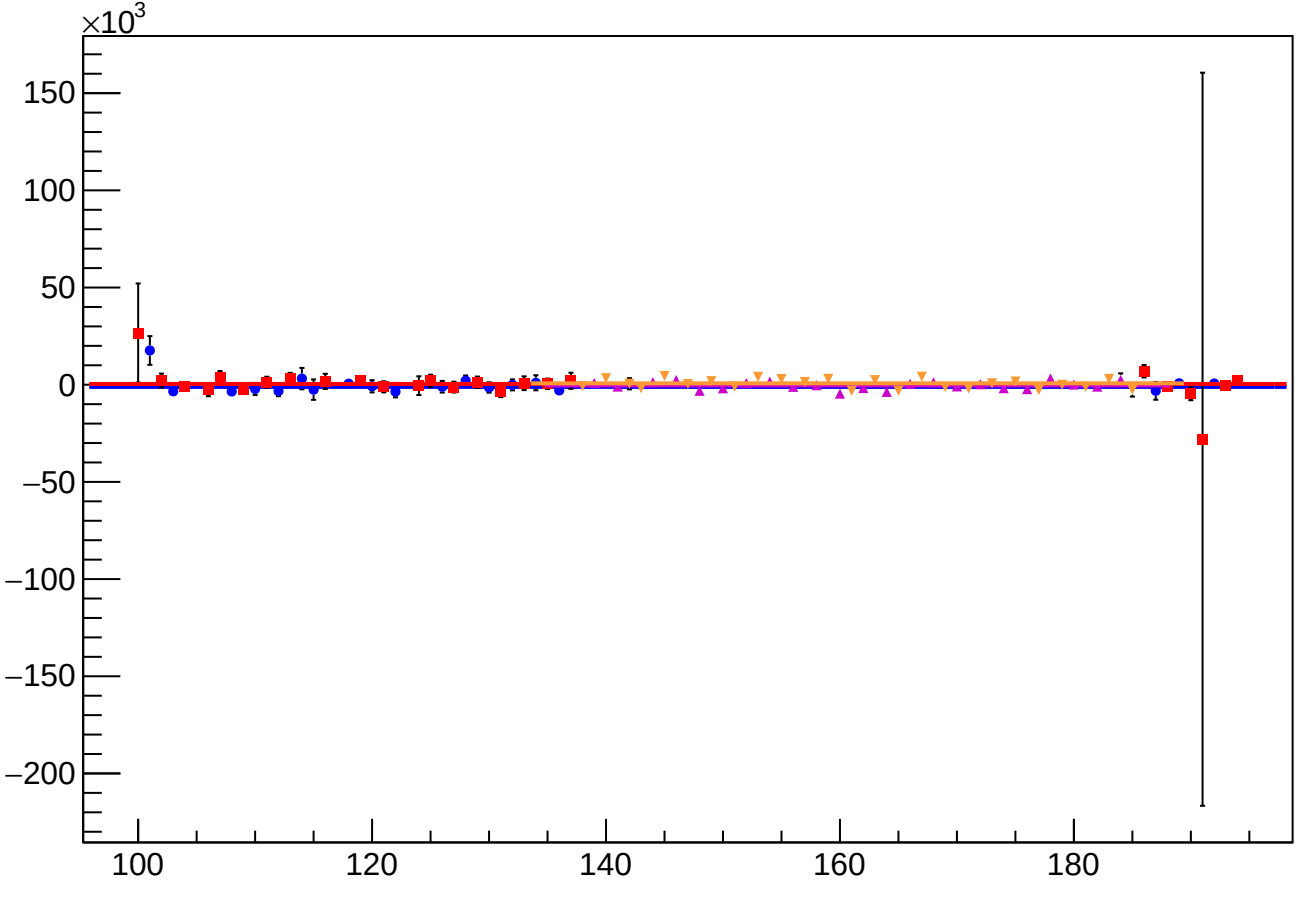
Right: 3660.468+/-0.632 χ^2/NDF: 5447455.8/43

In: 4078.451+/-0.568 χ^2/NDF:2665012.2/41

Out: 3802.827+/-0.519 χ^2/NDF:5703701.3/49

All: 3928.068+/-0.383 χ^2/NDF: 8497059.7/91

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1124.801+/-651.241 χ^2/NDF: 15.1/18

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 402.921+/-589.660 χ^2/NDF: 17.7/24

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

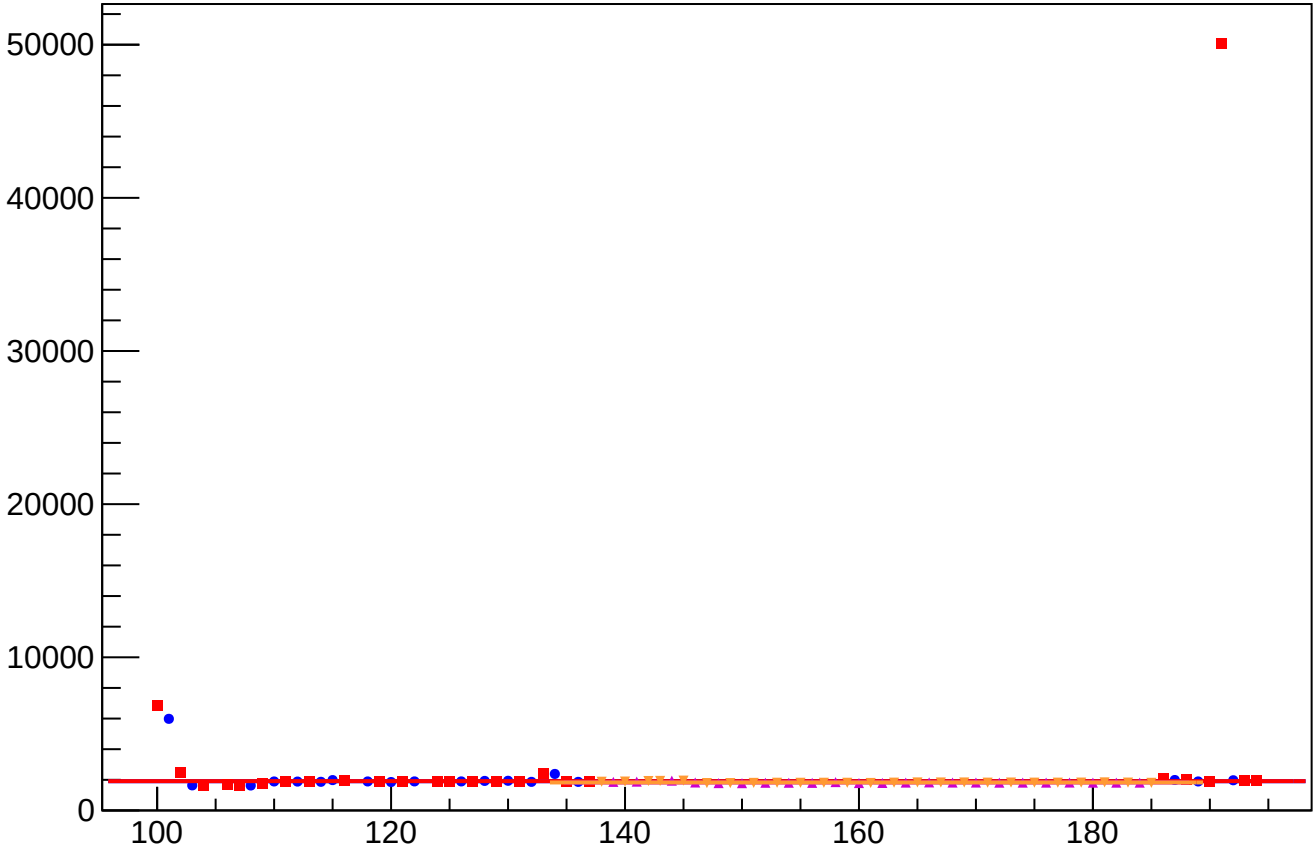
Right: -285.311+/-437.106 χ^2/NDF: 35.8/43

In: -619.439+/-356.628 χ^2/NDF:36.8/41

Out: 605.348+/-339.585 χ^2/NDF:49.8/49

All: 22.919+/-245.927 χ^2/NDF: 92.7/91

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1908.056+/-0.460 χ^2/NDF: 700547.9/18

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1914.118+/-0.416 χ^2/NDF: 376875.5/24

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

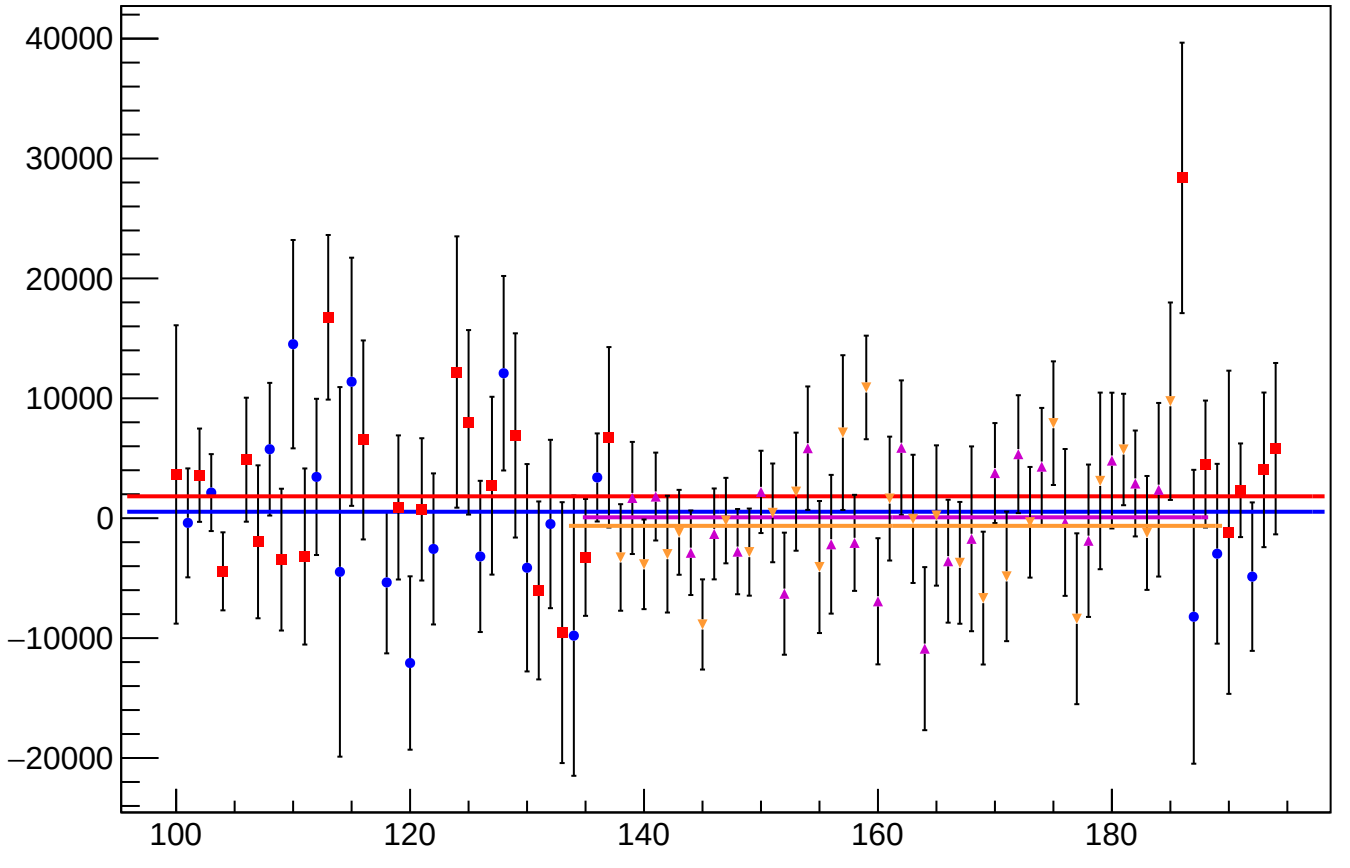
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1911.390+/-0.309 χ^2/NDF: 1077518.8/43

In: 1850.022+/-0.252 χ^2/NDF:736592.9/41

Out: 1856.765+/-0.240 χ^2/NDF:424596.1/49

All: 1853.560+/-0.174 χ^2/NDF: 1161564.2/91



Right In: 538.541+/-1403.845 χ^2/NDF: 15.0/18

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 1825.889+/-1222.432 χ^2/NDF: 22.9/24

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

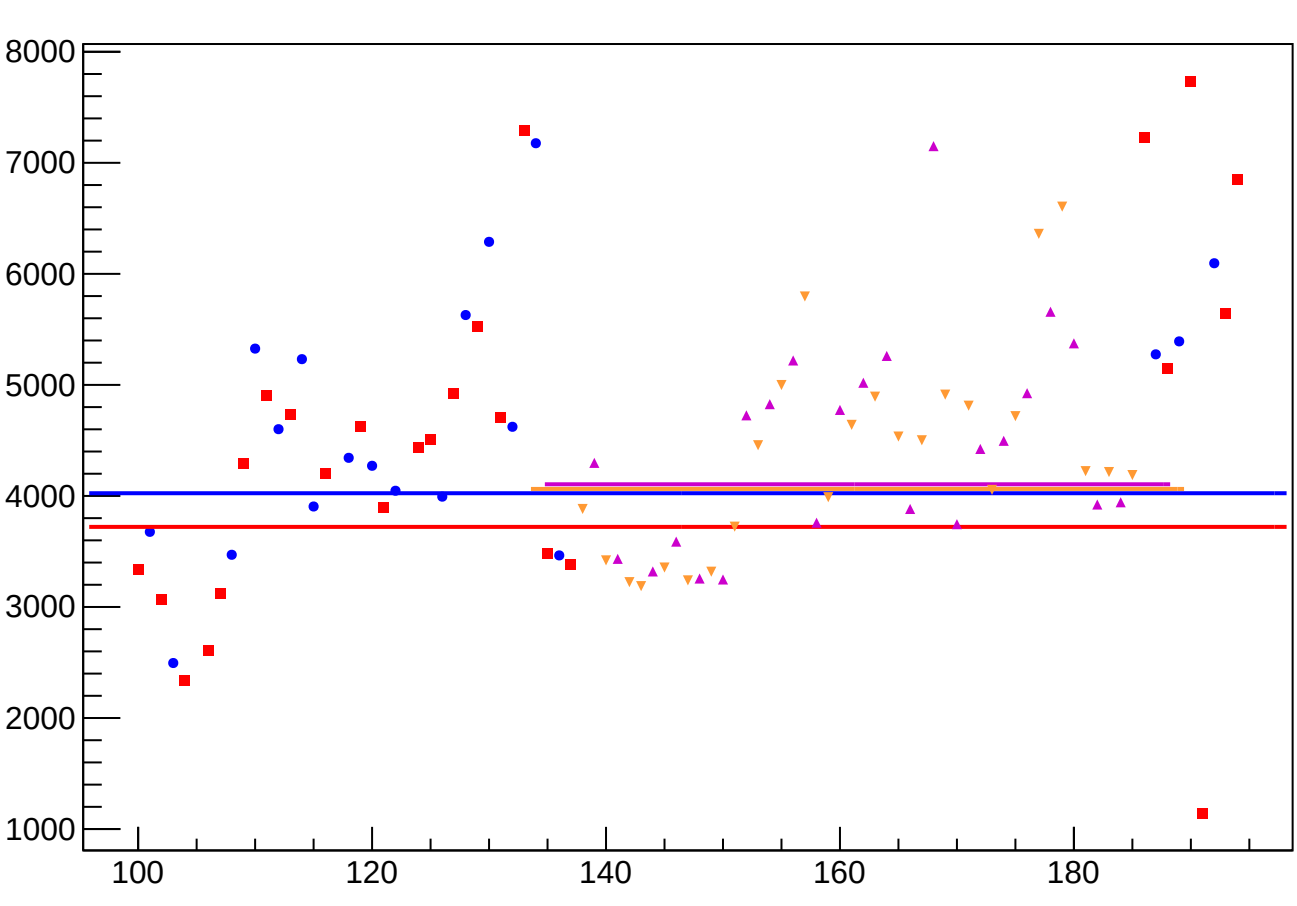
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1270.718+/-921.902 χ^2/NDF: 38.4/43

In: 227.460+/-803.703 χ^2/NDF:30.5/41

Out: 286.102+/-748.571 χ^2/NDF:51.4/49

All: 258.861+/-547.774 χ^2/NDF: 81.9/91



Right In: 4024.407+/-0.993 χ^2/NDF: 1300369.9/18

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3721.261+/-0.864 χ^2/NDF: 3079795.7/24

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

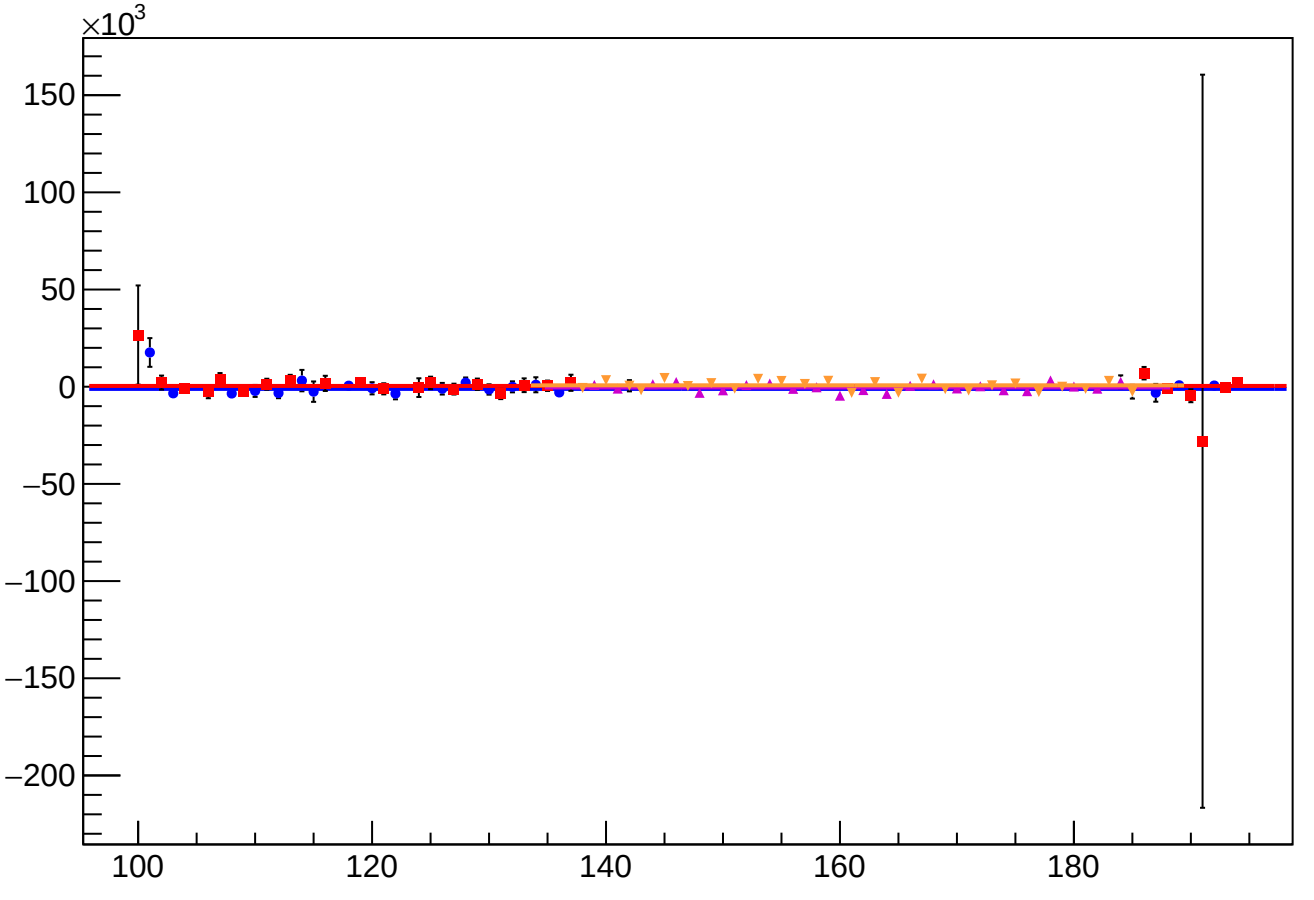
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 3851.993+/-0.652 χ^2/NDF: 4433207.1/43

In: 4078.618+/-0.568 χ^2/NDF:2664308.4/41

Out: 3934.918+/-0.529 χ^2/NDF:4582578.7/49

All: 4001.671+/-0.387 χ^2/NDF: 7281123.7/91



Right In: -1124.801+/-651.241 χ^2/NDF: 15.1/18

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 402.921+/-589.660 χ^2/NDF: 17.7/24

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

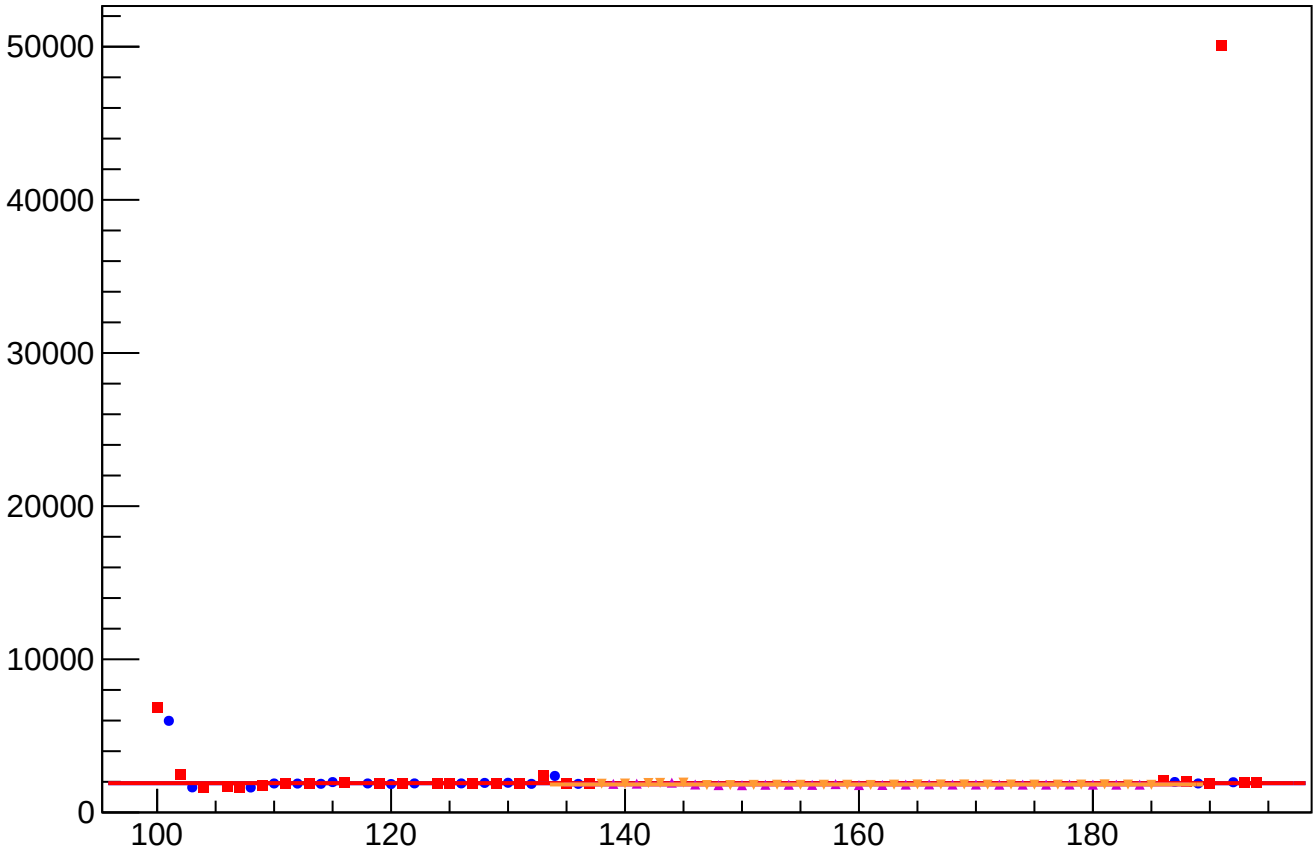
Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

Right: -285.311+/-437.106 χ^2/NDF: 35.8/43

In: -619.439+/-356.628 χ^2/NDF:36.8/41

Out: 605.348+/-339.585 χ^2/NDF:49.8/49

All: 22.919+/-245.927 χ^2/NDF: 92.7/91



Right In: 1908.056+/-0.460 χ^2/NDF: 700547.9/18

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1914.118+/-0.416 χ^2/NDF: 376875.5/24

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

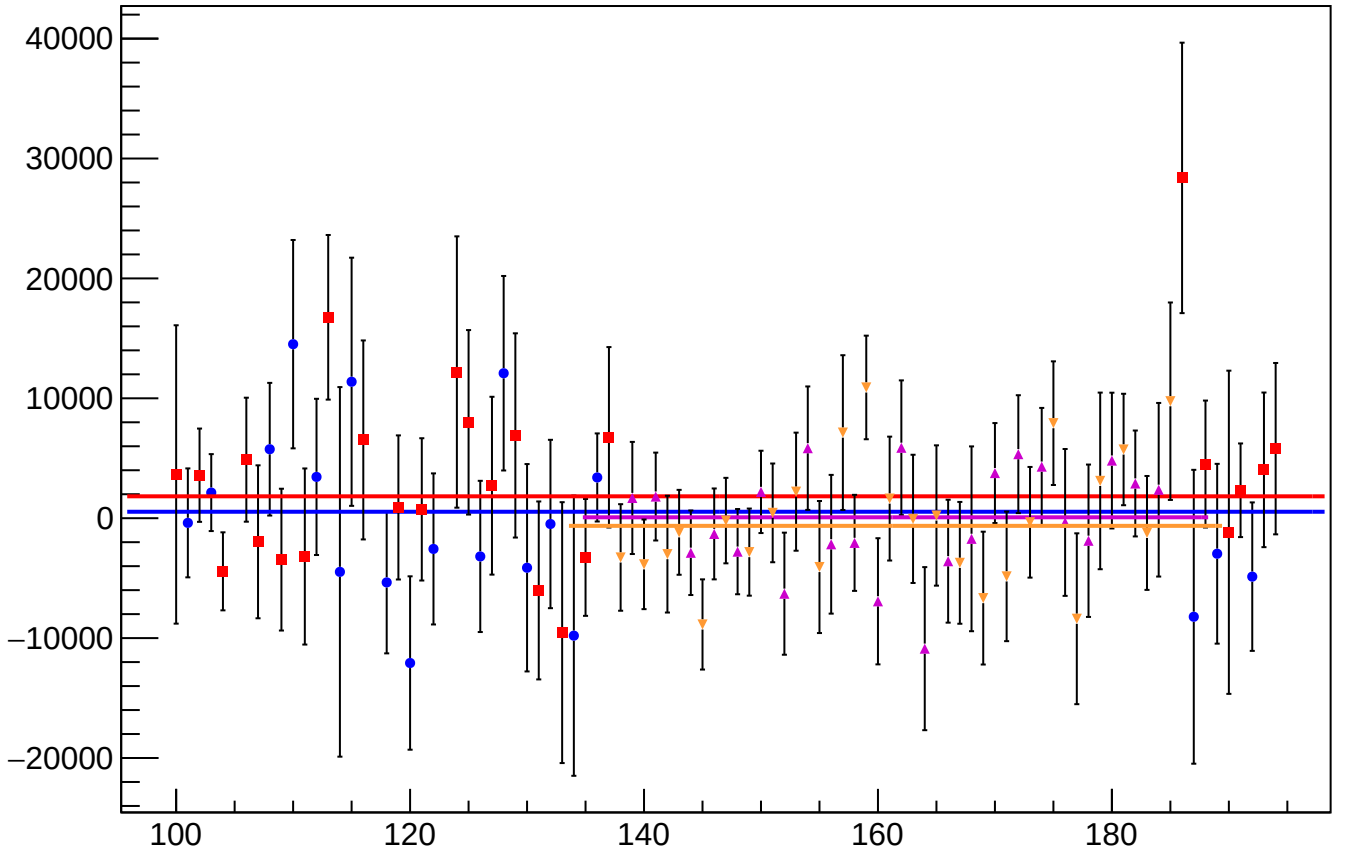
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1911.390+/-0.309 χ^2/NDF: 1077518.8/43

In: 1850.022+/-0.252 χ^2/NDF:736592.9/41

Out: 1856.765+/-0.240 χ^2/NDF:424596.1/49

All: 1853.560+/-0.174 χ^2/NDF: 1161564.2/91



Right In: 538.541+/-1403.845 χ^2/NDF: 15.0/18

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 1825.889+/-1222.432 χ^2/NDF: 22.9/24

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

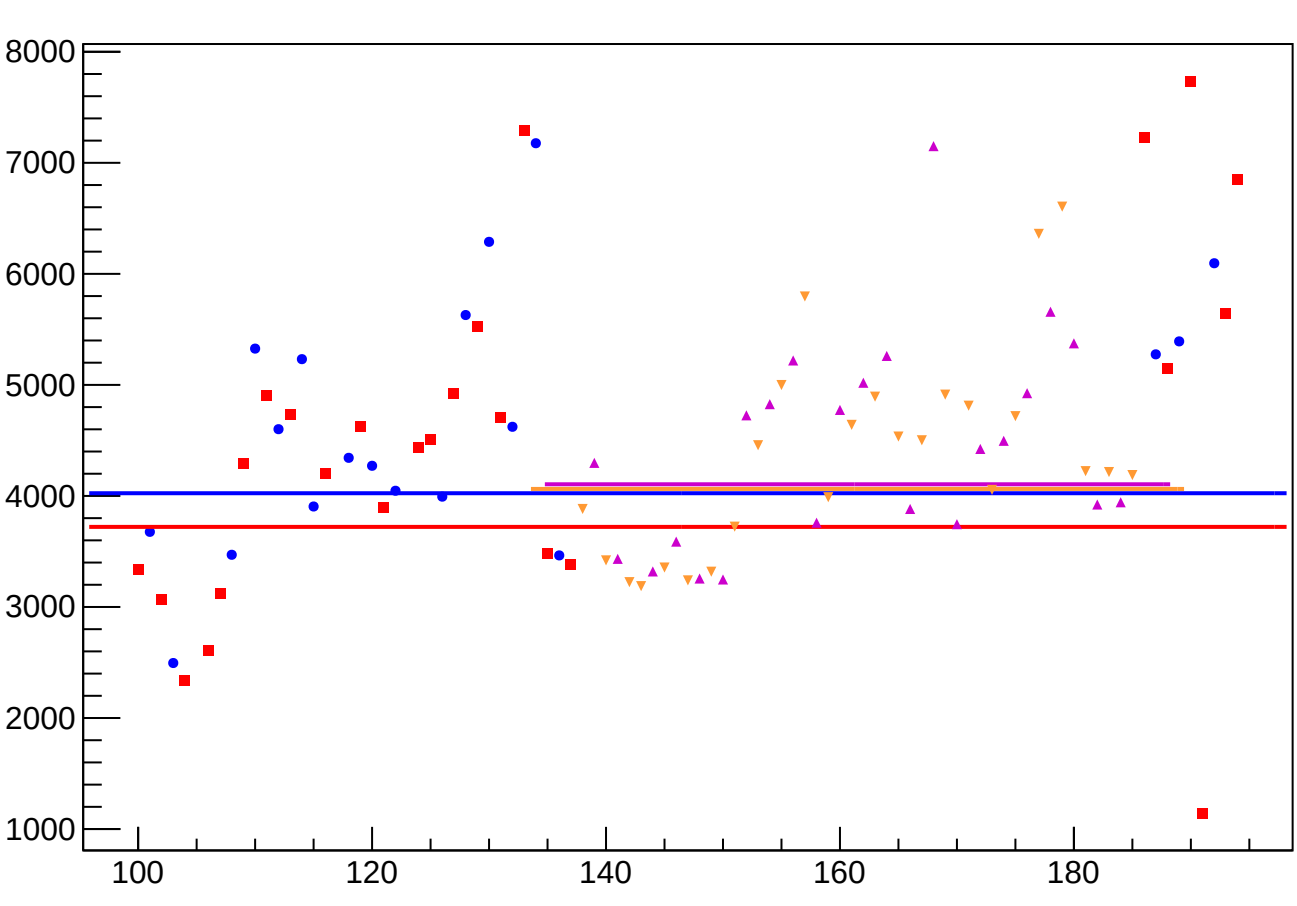
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1270.718+/-921.902 χ^2/NDF: 38.4/43

In: 227.460+/-803.703 χ^2/NDF:30.5/41

Out: 286.102+/-748.571 χ^2/NDF:51.4/49

All: 258.861+/-547.774 χ^2/NDF: 81.9/91



Right In: 4024.407+/-0.993 χ^2/NDF: 1300369.9/18

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3721.261+/-0.864 χ^2/NDF: 3079795.7/24

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

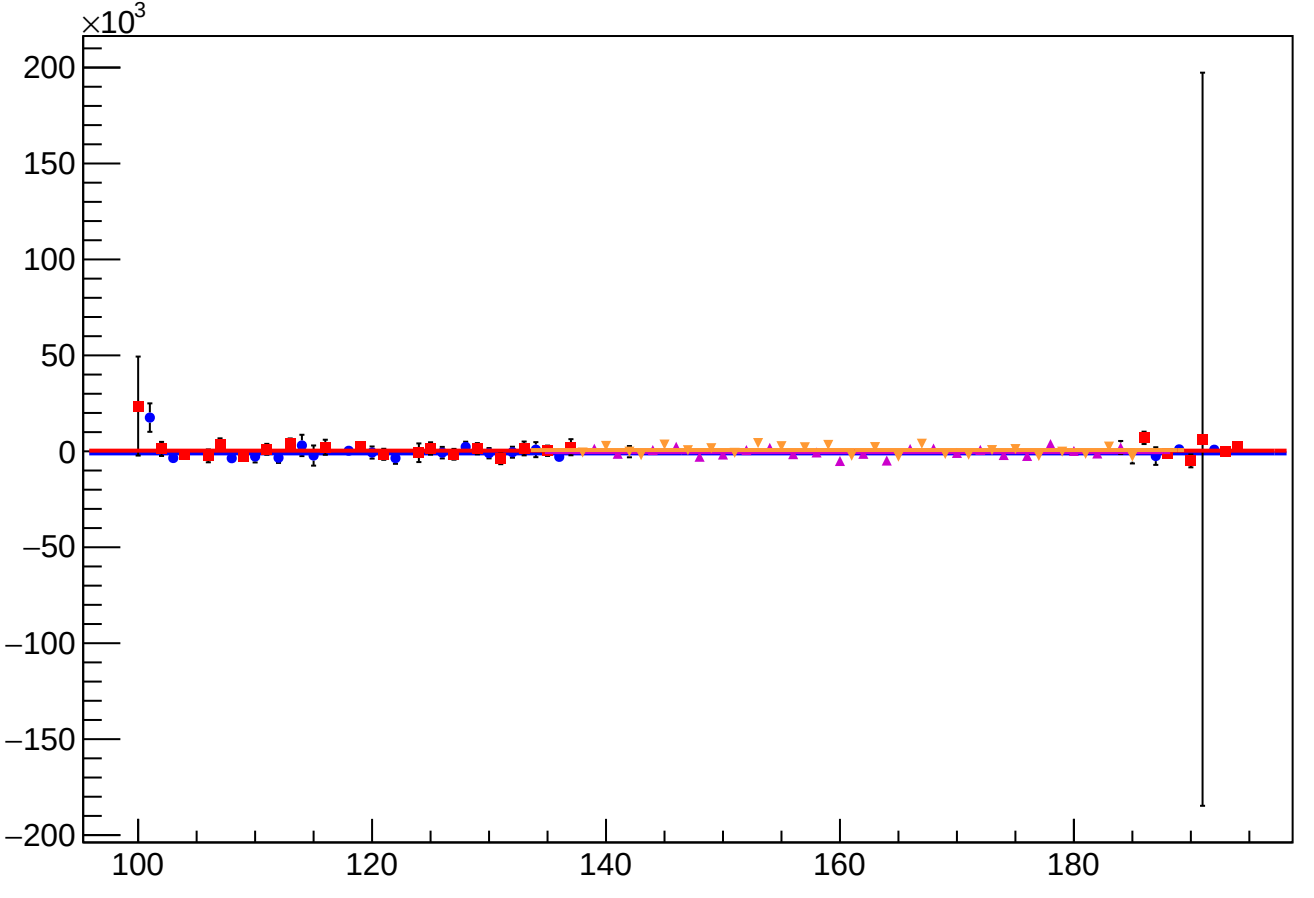
Right: 3851.993+/-0.652 χ^2/NDF: 4433207.1/43

In: 4078.618+/-0.568 χ^2/NDF:2664308.4/41

Out: 3934.918+/-0.529 χ^2/NDF:4582578.7/49

All: 4001.671+/-0.387 χ^2/NDF: 7281123.7/91

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1081.934+/-655.937 χ^2/NDF: 15.5/18

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: 350.260+/-593.869 χ^2/NDF: 19.2/24

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

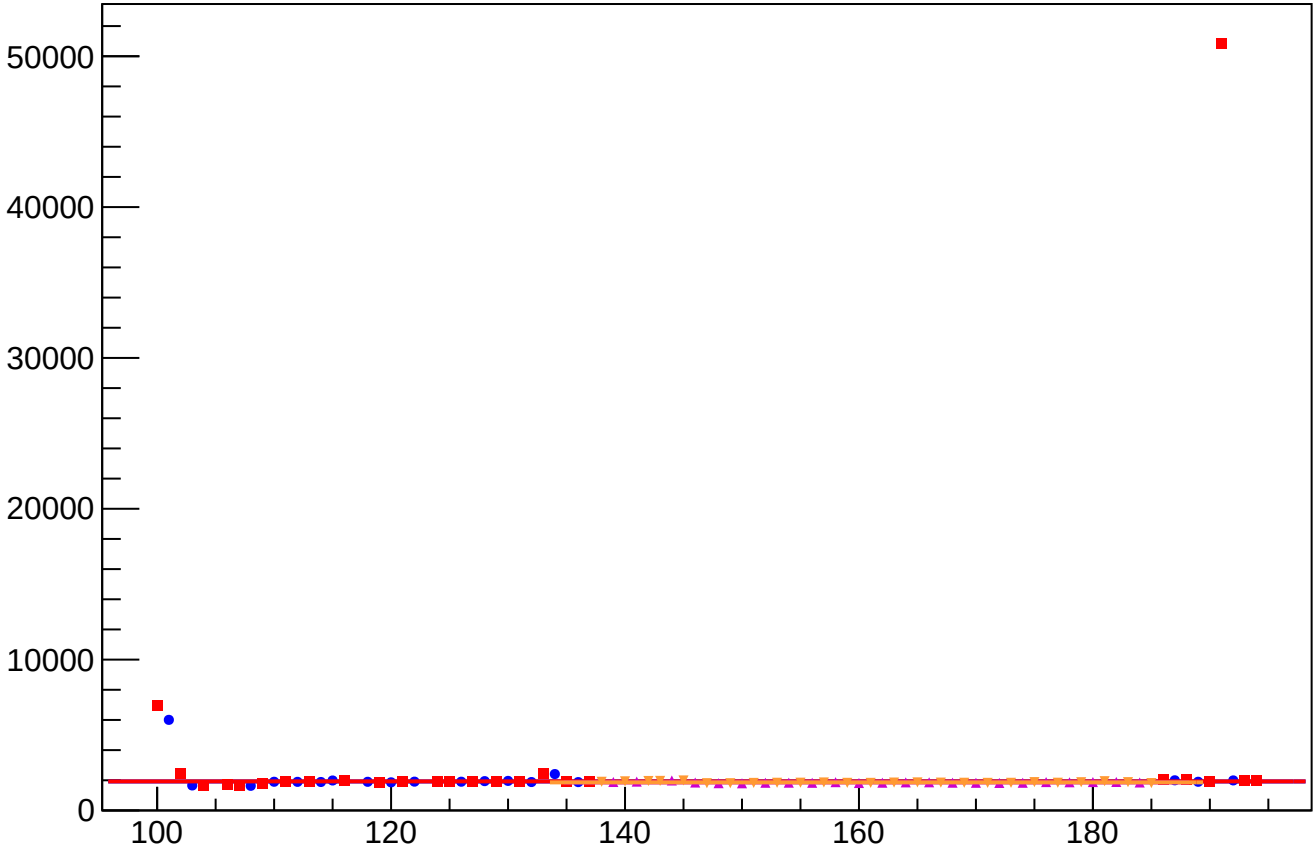
Right: -294.885+/-440.241 χ^2/NDF: 37.3/43

In: -615.102+/-361.862 χ^2/NDF:39.9/41

Out: 554.146+/-344.570 χ^2/NDF:46.4/49

All: -1.874+/-249.537 χ^2/NDF: 91.8/91

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1921.849+/-0.464 χ^2/NDF: 699643.8/18

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1927.664+/-0.420 χ^2/NDF: 380034.7/24

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

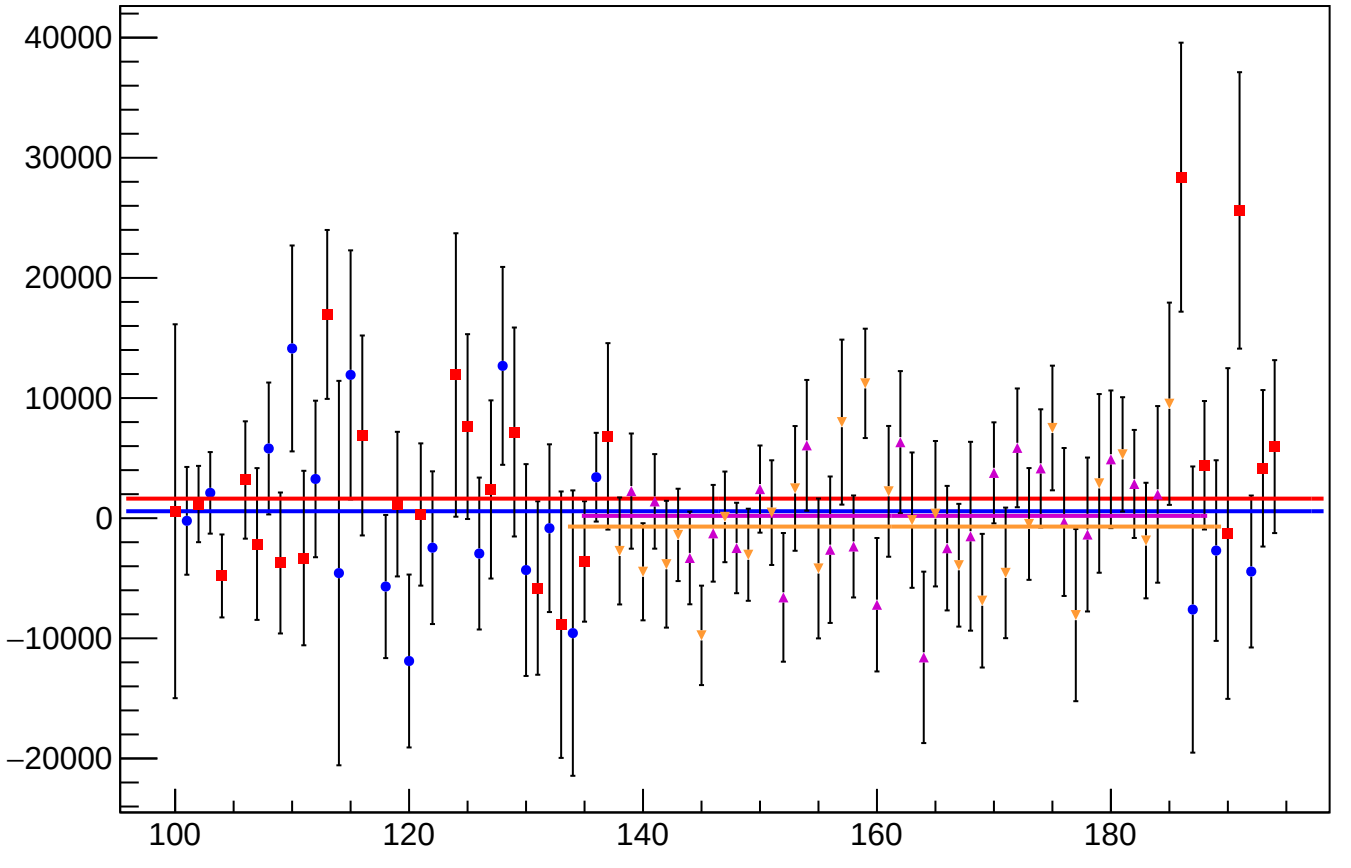
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

Right: 1925.047+/-0.311 χ^2/NDF: 1079764.9/43

In: 1877.196+/-0.256 χ^2/NDF:729348.1/41

Out: 1883.949+/-0.244 χ^2/NDF:422418.9/49

All: 1880.738+/-0.176 χ^2/NDF: 1152132.4/91



Right In: 579.382+/-1420.508 χ^2/NDF: 14.9/18

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: 1628.641+/-1259.056 χ^2/NDF: 26.6/24

Left In: 192.486+/-1022.469 χ^2/NDF:15.2/22

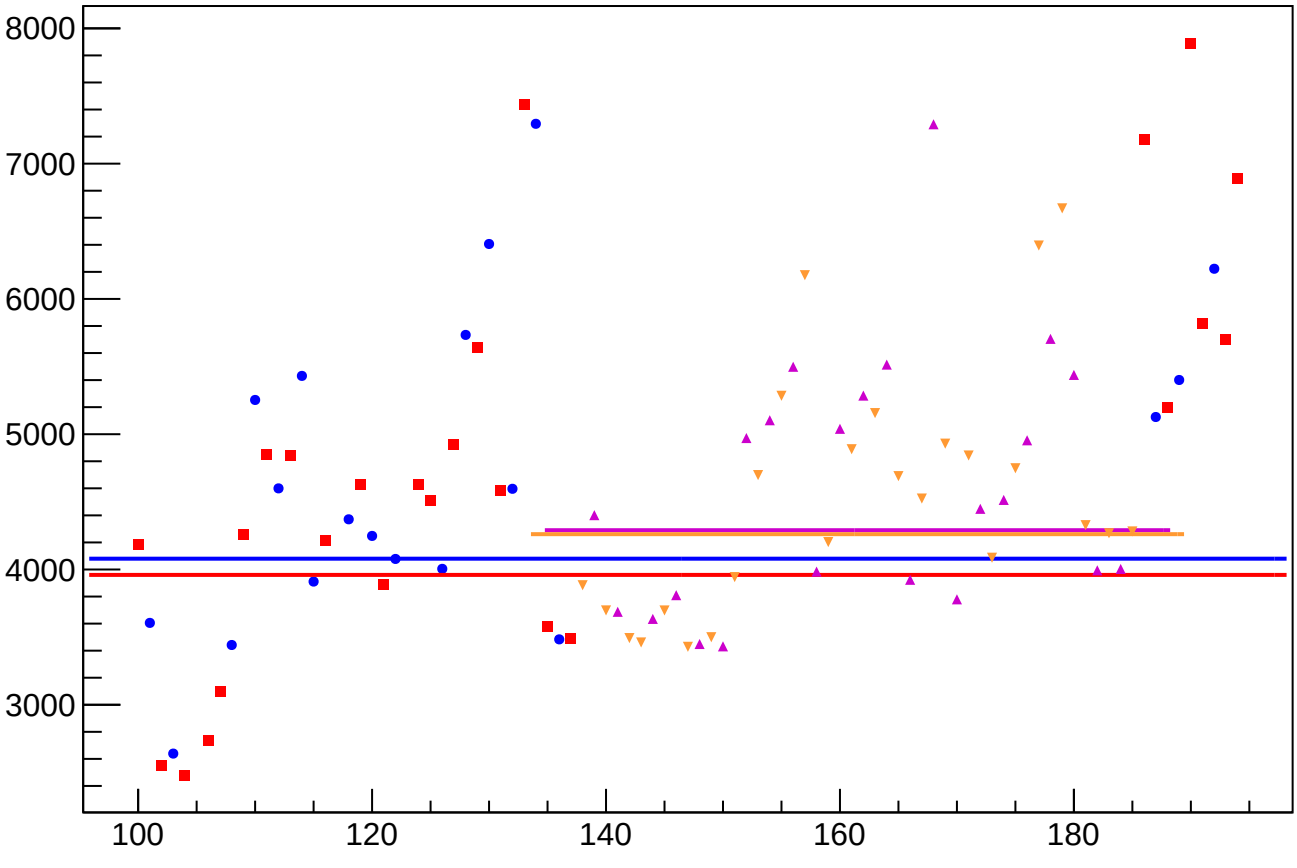
Left: -267.253+/-711.250 χ^2/NDF: 40.9/47

Right: 1167.004+/-942.221 χ^2/NDF: 41.8/43

In: 324.526+/-829.851 χ^2/NDF:30.1/41

Out: 190.771+/-778.249 χ^2/NDF:54.1/49

All: 253.361+/-567.672 χ^2/NDF: 84.2/91



Right In: 4079.907+/-1.004 χ^2/NDF: 1217272.7/18

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 3960.007+/-0.890 χ^2/NDF: 2335101.6/24

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

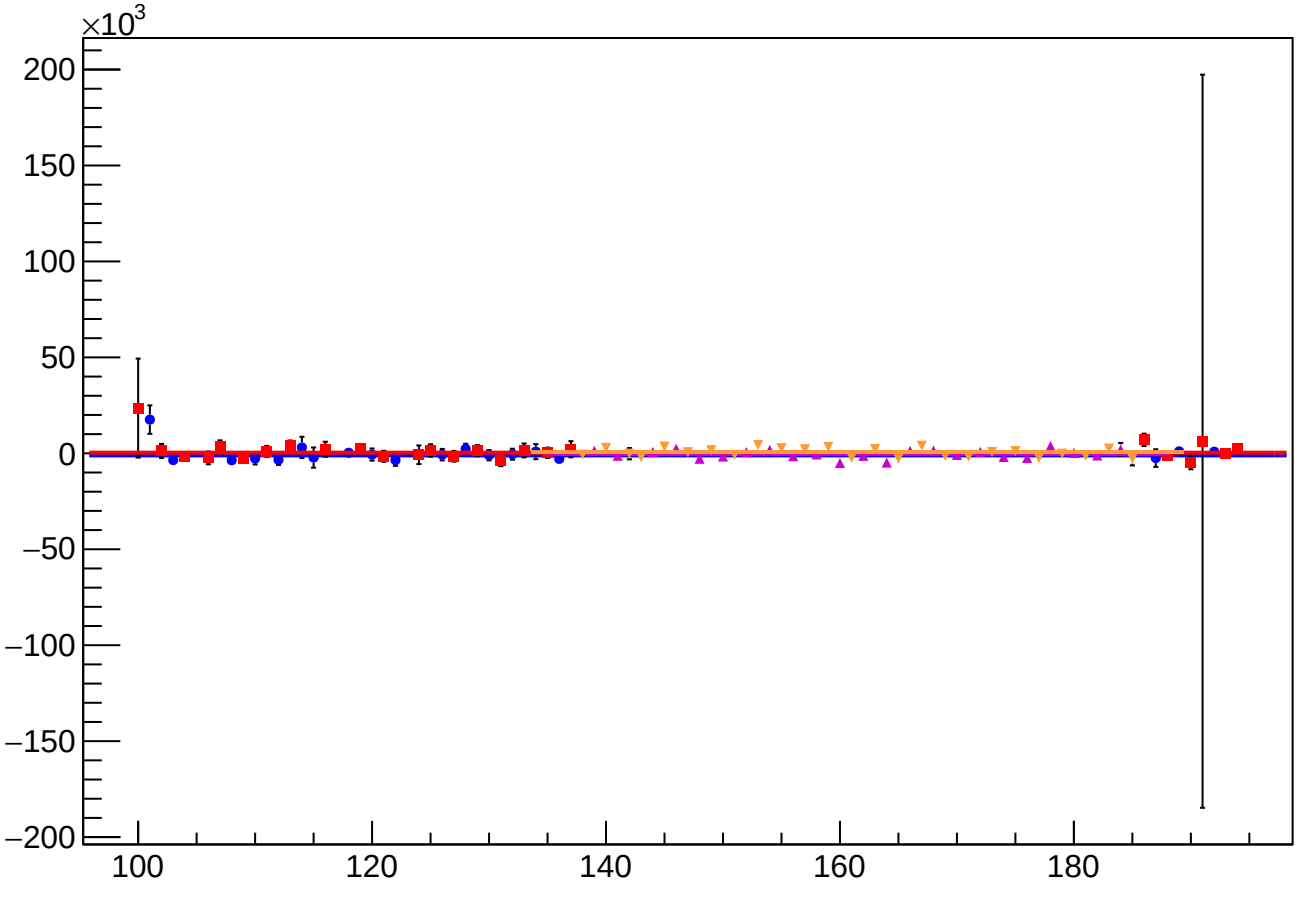
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 4012.759+/-0.666 χ^2/NDF: 3560354.2/43

In: 4218.561+/-0.587 χ^2/NDF:2460164.7/41

Out: 4146.075+/-0.550 χ^2/NDF:3596351.1/49

All: 4179.995+/-0.401 χ^2/NDF: 6064634.7/91



Right In: -1081.939+/-655.937 χ^2/NDF: 15.5/18

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: 350.255+/-593.869 χ^2/NDF: 19.2/24

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

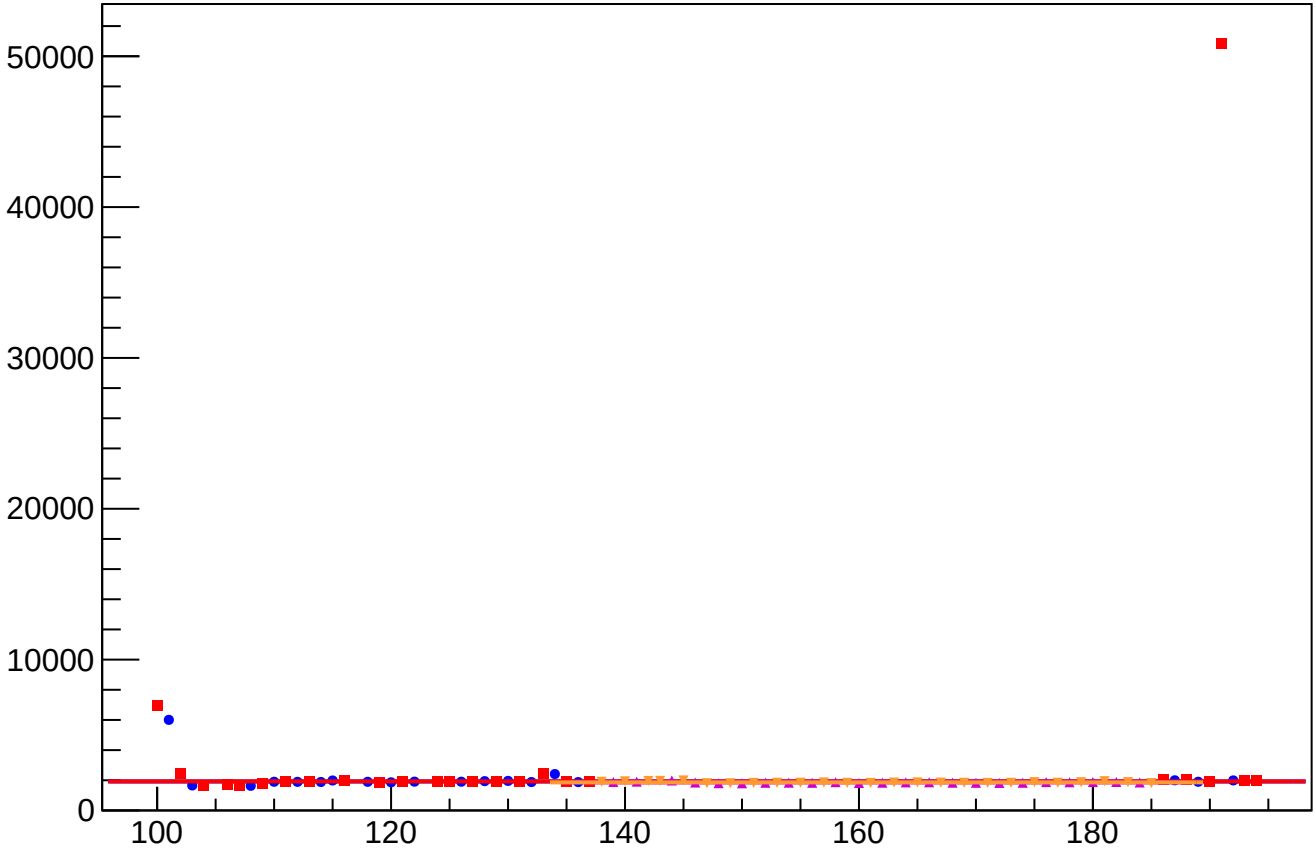
Right: -294.891+/-440.241 χ^2/NDF: 37.3/43

In: -615.104+/-361.862 χ^2/NDF:39.9/41

Out: 554.148+/-344.570 χ^2/NDF:46.4/49

All: -1.874+/-249.537 χ^2/NDF: 91.8/91

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1921.849+/-0.464 χ^2/NDF: 699643.6/18

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1927.664+/-0.420 χ^2/NDF: 380034.8/24

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

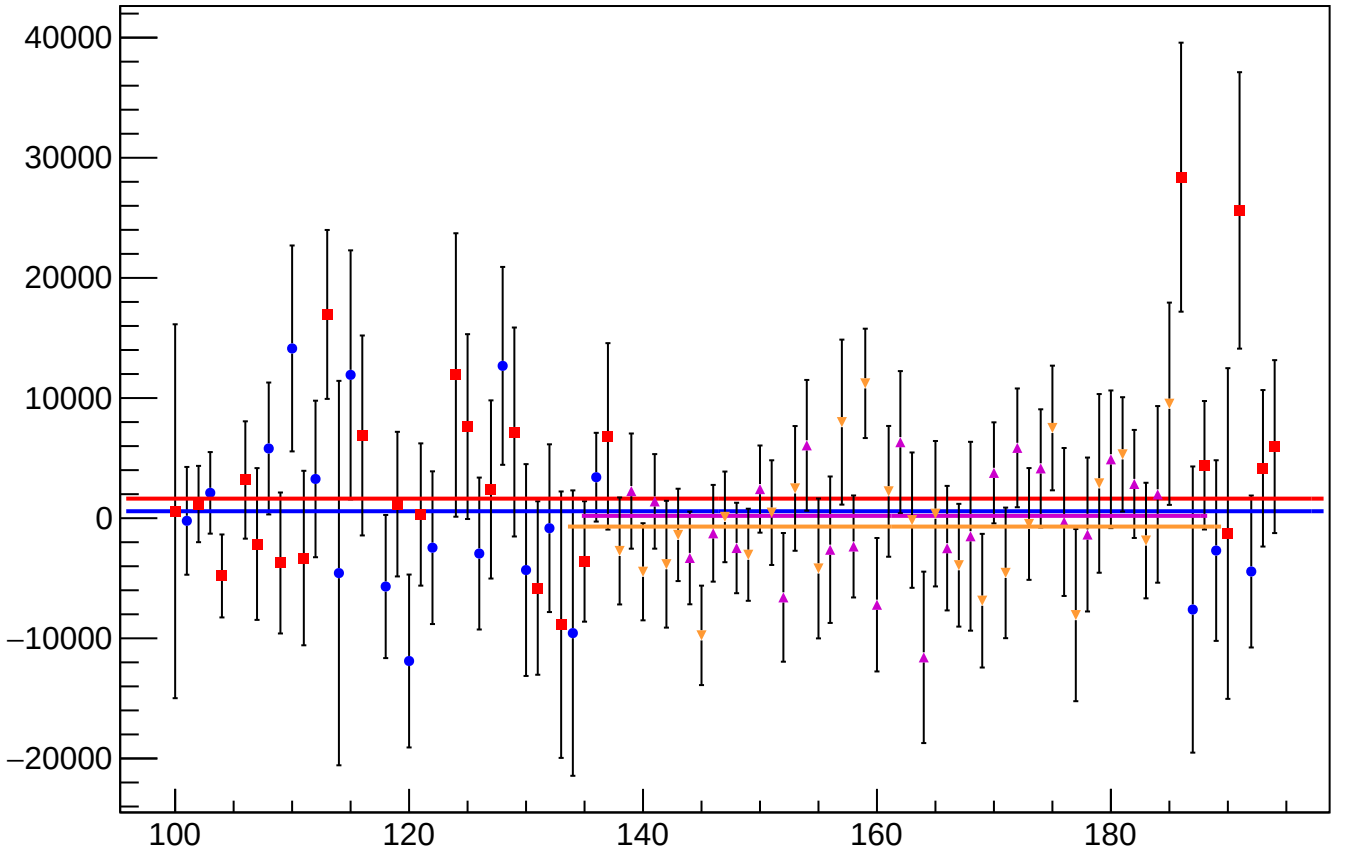
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

Right: 1925.046+/-0.311 χ^2/NDF: 1079764.8/43

In: 1877.196+/-0.256 χ^2/NDF:729347.4/41

Out: 1883.949+/-0.244 χ^2/NDF:422418.7/49

All: 1880.739+/-0.176 χ^2/NDF: 1152131.5/91



Right In: 579.369+/-1420.507 χ^2/NDF: 14.9/18

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: 1628.639+/-1259.055 χ^2/NDF: 26.6/24

Left In: 192.488+/-1022.471 χ^2/NDF:15.2/22

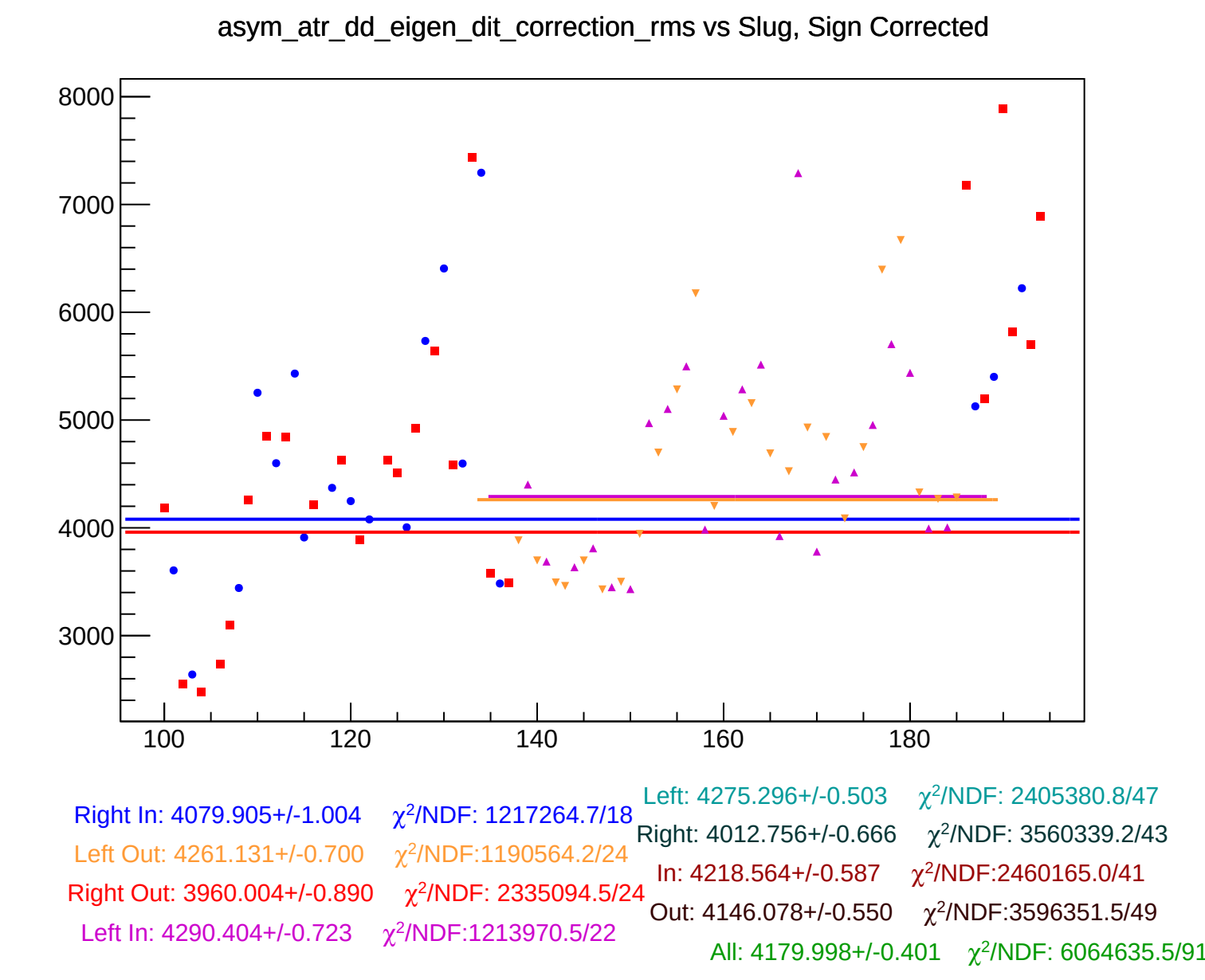
Left: -267.251+/-711.252 χ^2/NDF: 40.9/47

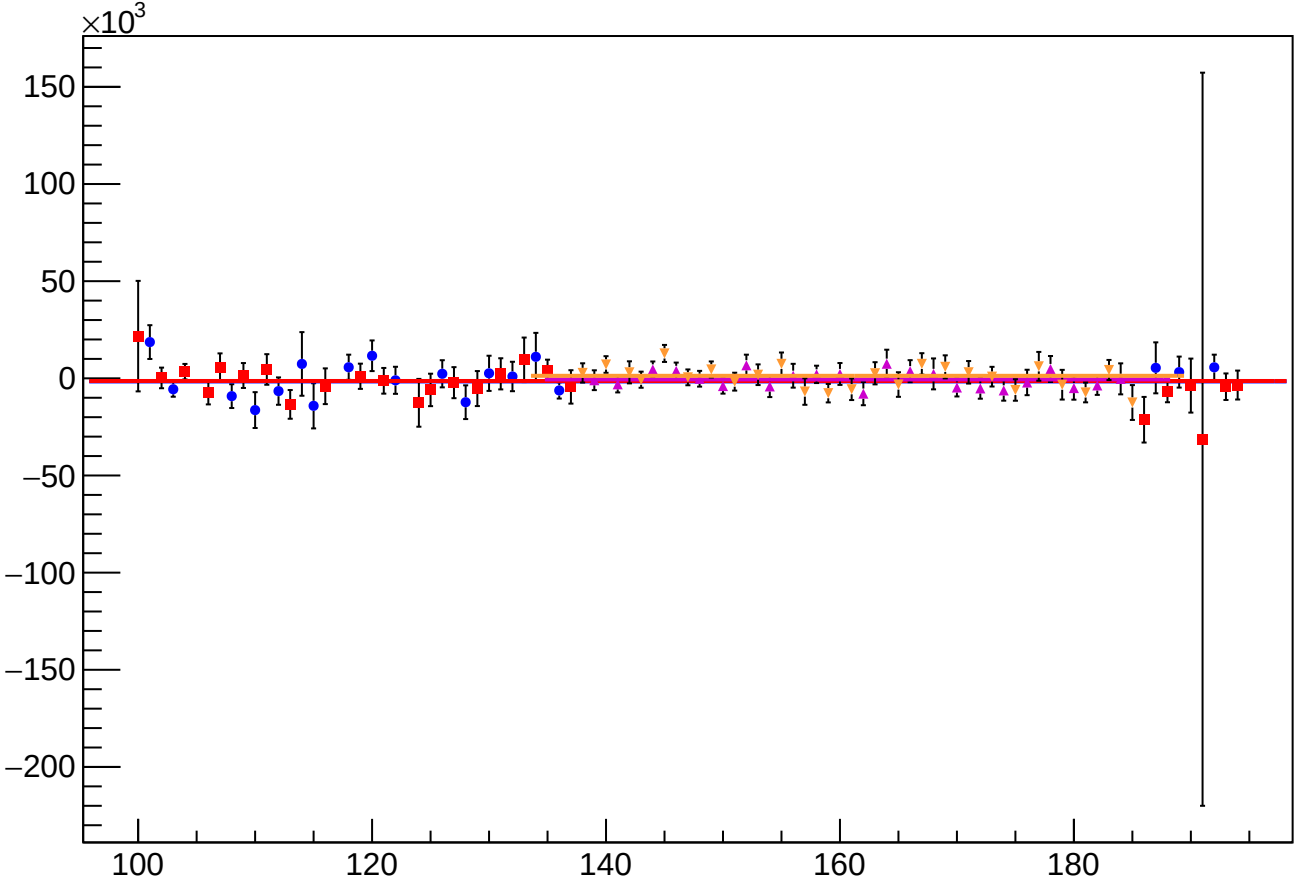
Right: 1166.997+/-942.220 χ^2/NDF: 41.8/43

In: 324.524+/-829.852 χ^2/NDF:30.1/41

Out: 190.774+/-778.250 χ^2/NDF:54.1/49

All: 253.361+/-567.672 χ^2/NDF: 84.2/91


asym_atr_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
100
120
140
160
180
Right In: 4079.905+/-1.004 χ²/NDF: 1217264.7/18
Left Out: 4261.131+/-0.700 χ²/NDF:1190564.2/24
Right Out: 3960.004+/-0.890 χ²/NDF: 2335094.5/24
Left In: 4290.404+/-0.723 χ²/NDF:1213970.5/22
Left: 4275.296+/-0.503 χ²/NDF: 2405380.8/47
Right: 4012.756+/-0.666 χ²/NDF: 3560339.2/43
In: 4218.564+/-0.587 χ²/NDF:2460165.0/41
Out: 4146.078+/-0.550 χ²/NDF:3596351.5/49
All: 4179.998+/-0.401 χ²/NDF: 6064635.5/91



Right In: -1597.772+/-1615.315 χ^2/NDF: 23.0/18

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: -1366.035+/-1470.787 χ^2/NDF: 15.2/24

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

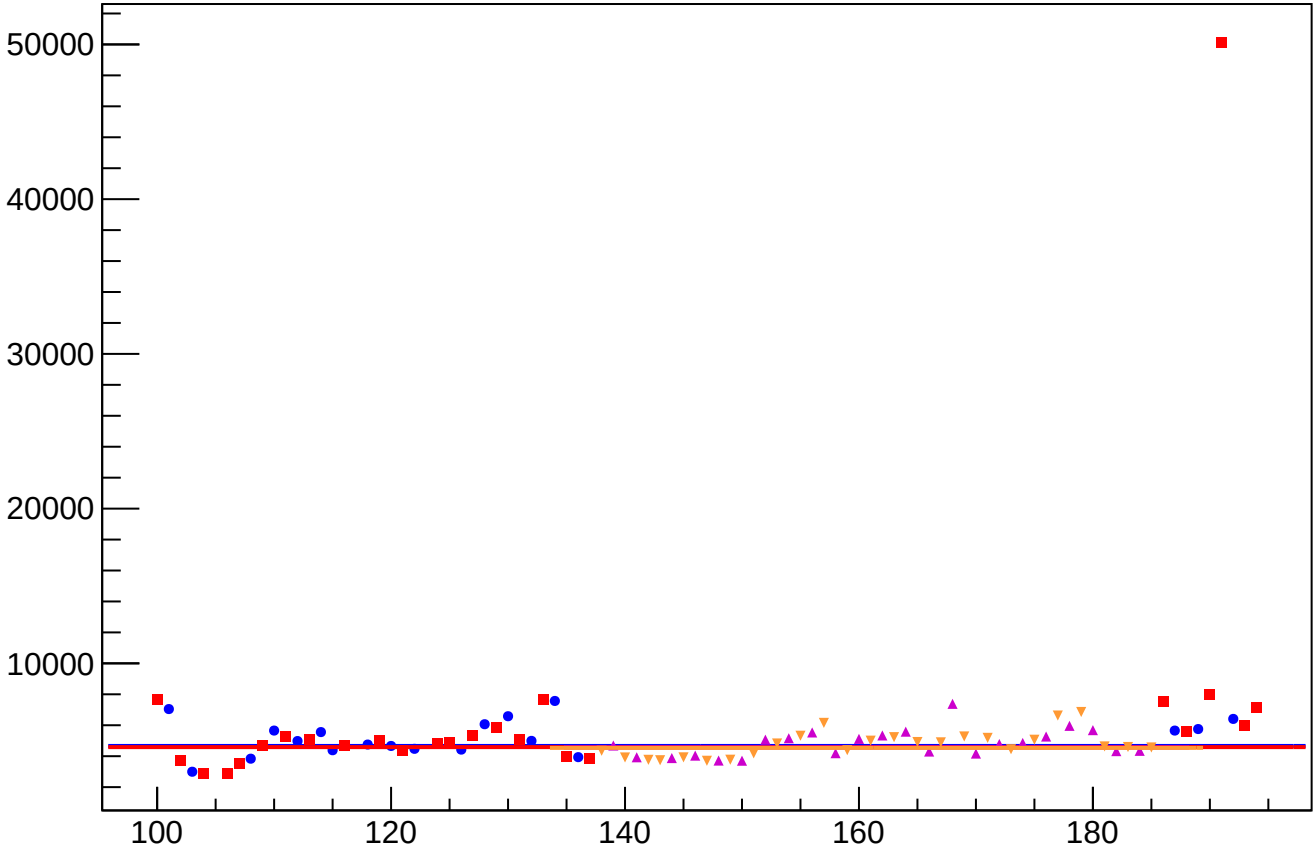
Right: -1471.074+/-1087.517 χ^2/NDF: 38.2/43

In: -892.818+/-899.033 χ^2/NDF:37.7/41

Out: 399.378+/-854.335 χ^2/NDF:45.9/49

All: -213.799+/-619.305 χ^2/NDF: 84.6/91

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4661.695+/-1.142 χ^2/NDF: 1109194.7/18

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

Right Out: 4586.179+/-1.033 χ^2/NDF: 1706347.8/24

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

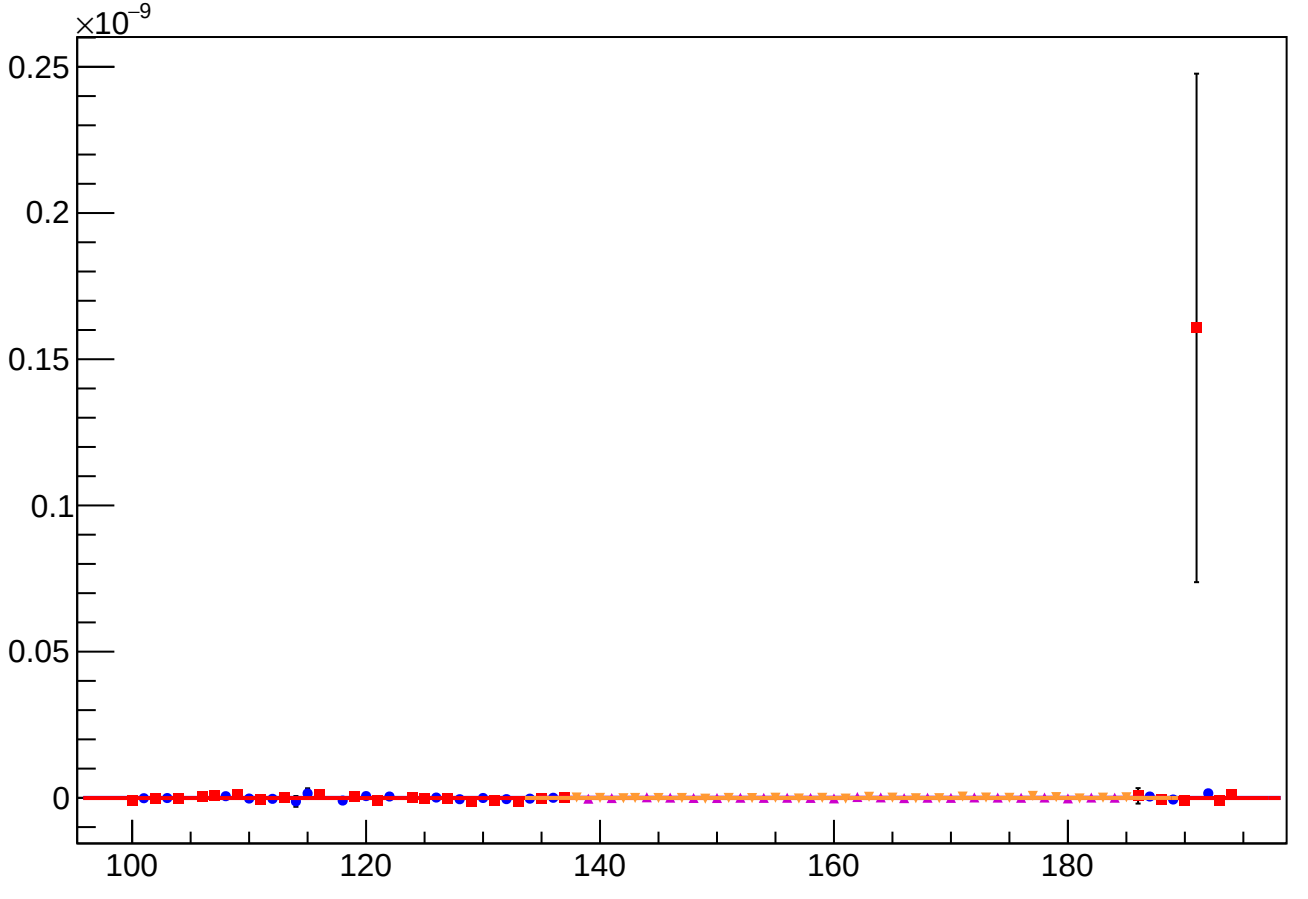
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 4620.156+/-0.766 χ^2/NDF: 2817946.9/43

In: 4591.851+/-0.636 χ^2/NDF:2094813.1/41

Out: 4554.358+/-0.603 χ^2/NDF:2700691.8/49

All: 4572.107+/-0.437 χ^2/NDF: 4797336.7/91



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/24

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

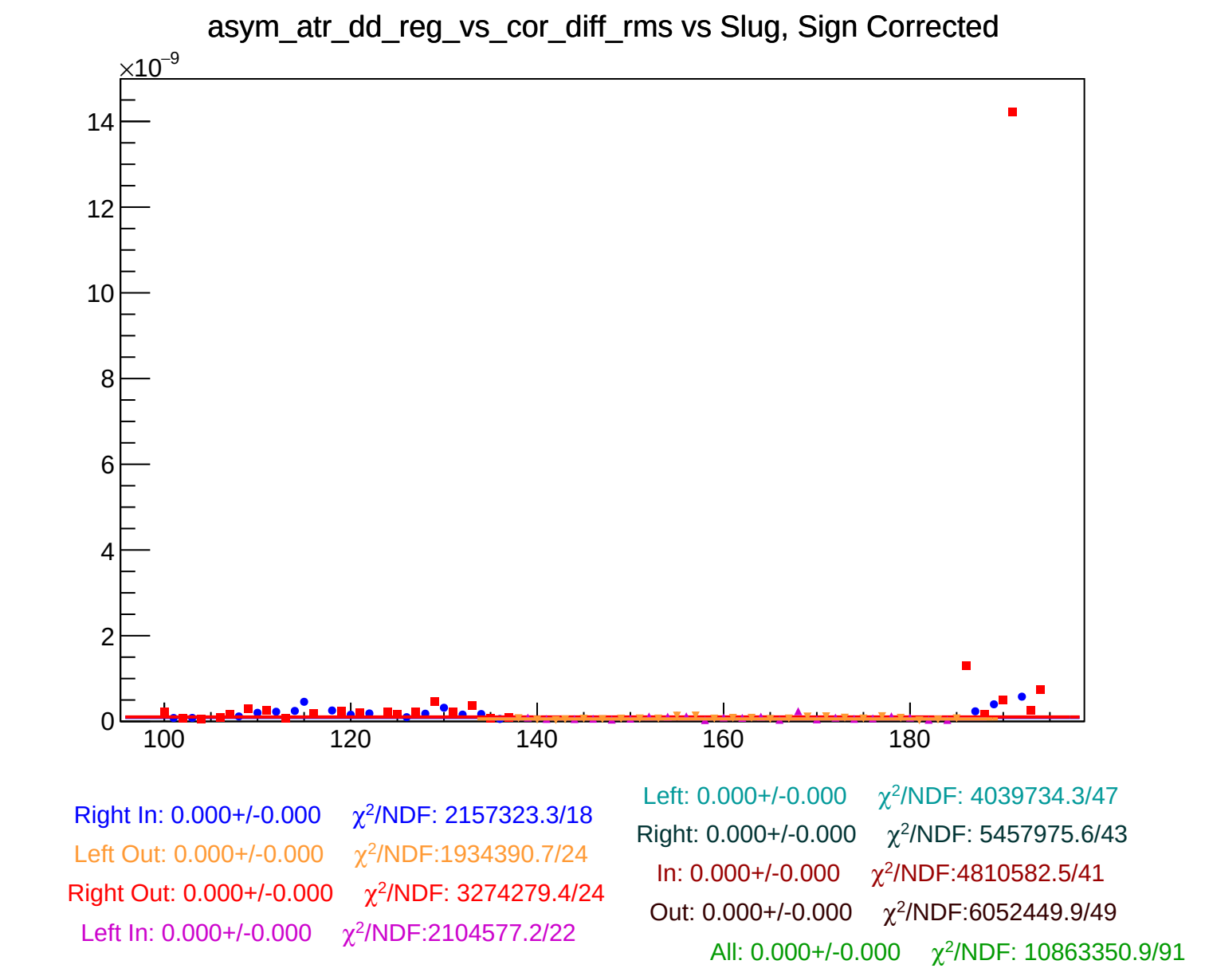
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

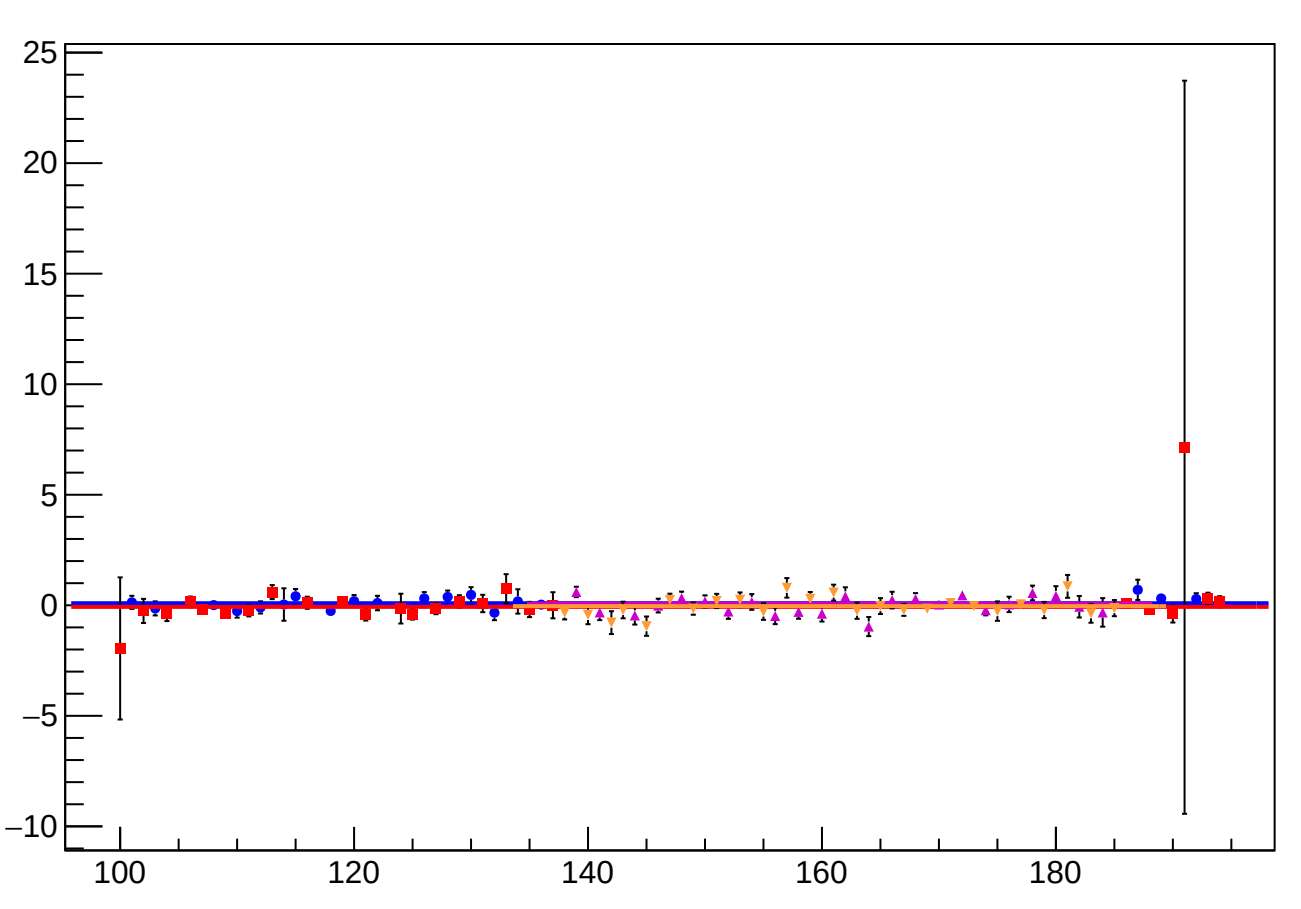
Right: -0.000+/-0.000 χ^2/NDF: 47.2/43

In: 0.000+/-0.000 χ^2/NDF:37.4/41

Out: -0.000+/-0.000 χ^2/NDF:68.4/49

All: -0.000+/-0.000 χ^2/NDF: 107.7/91


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
Right In: 0.000+/-0.000 χ²/NDF: 2157323.3/18
Left Out: 0.000+/-0.000 χ²/NDF:1934390.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 3274279.4/24
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: 5457975.6/43
In: 0.000+/-0.000 χ²/NDF:4810582.5/41
Out: 0.000+/-0.000 χ²/NDF:6052449.9/49
All: 0.000+/-0.000 χ²/NDF: 10863350.9/91



Right In: 0.093+/-0.064 χ^2/NDF: 14.7/18

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.072+/-0.055 χ^2/NDF: 22.9/24

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

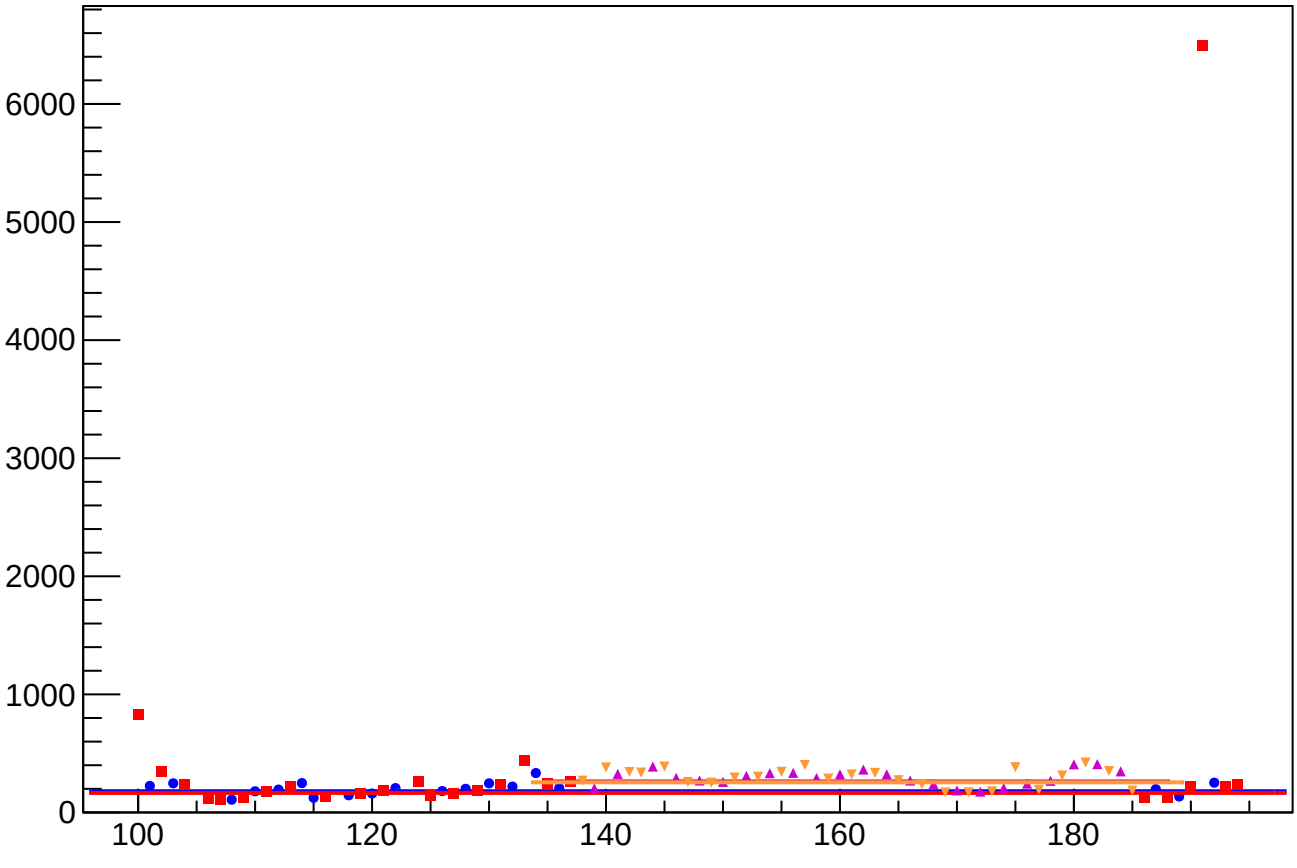
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.002+/-0.042 χ^2/NDF: 41.4/43

In: 0.085+/-0.045 χ^2/NDF:45.8/41

Out: -0.057+/-0.041 χ^2/NDF:47.5/49

All: 0.007+/-0.030 χ^2/NDF: 98.7/91



Right In: 179.657+/-0.045 χ^2/NDF: 1178644.2/18

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 165.504+/-0.039 χ^2/NDF: 2217075.4/24

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

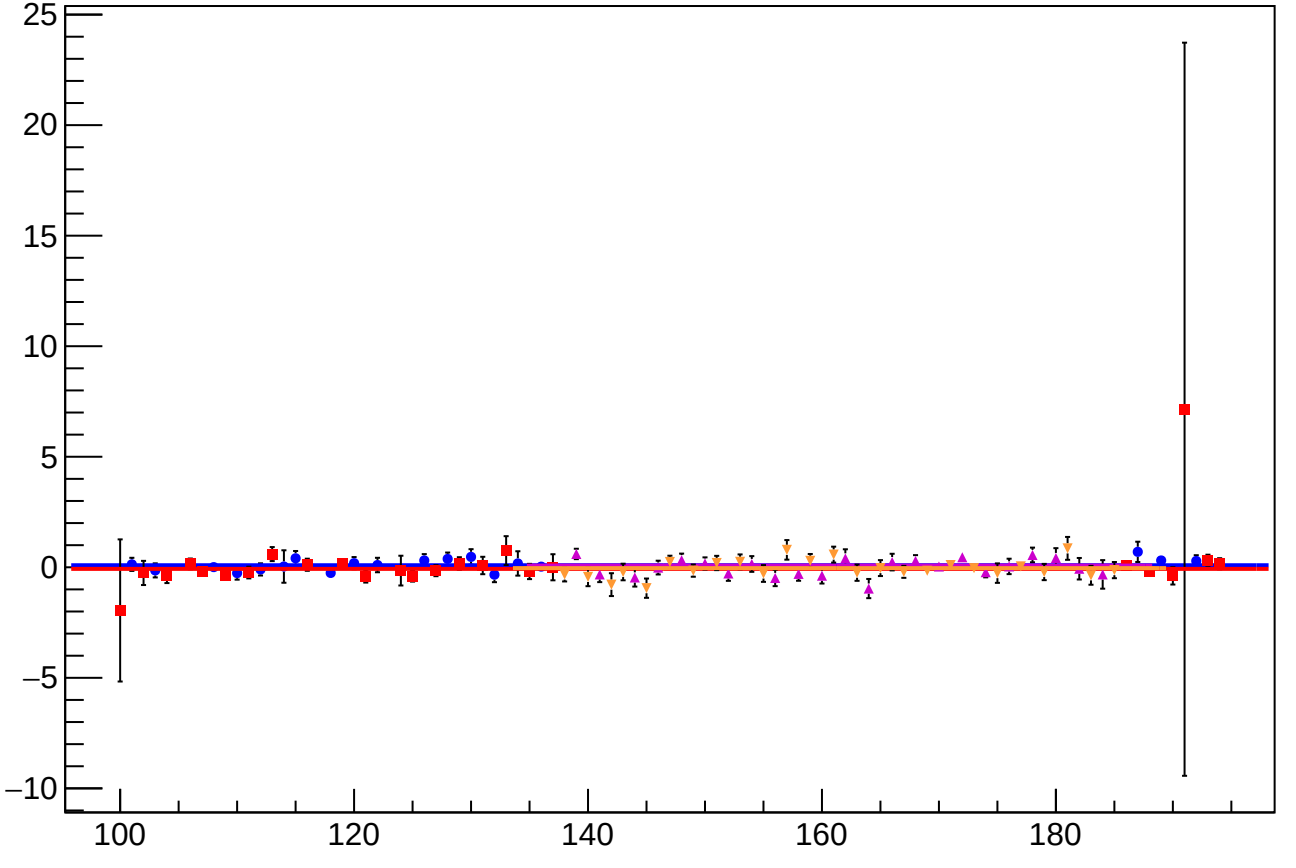
Right: 171.515+/-0.029 χ^2/NDF: 3452491.4/43

In: 220.465+/-0.032 χ^2/NDF:4875382.8/41

Out: 204.922+/-0.029 χ^2/NDF:7515960.0/49

All: 211.896+/-0.022 χ^2/NDF: 12520216.7/91

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.093+/-0.064 χ^2/NDF: 14.7/18

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.072+/-0.055 χ^2/NDF: 22.9/24

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

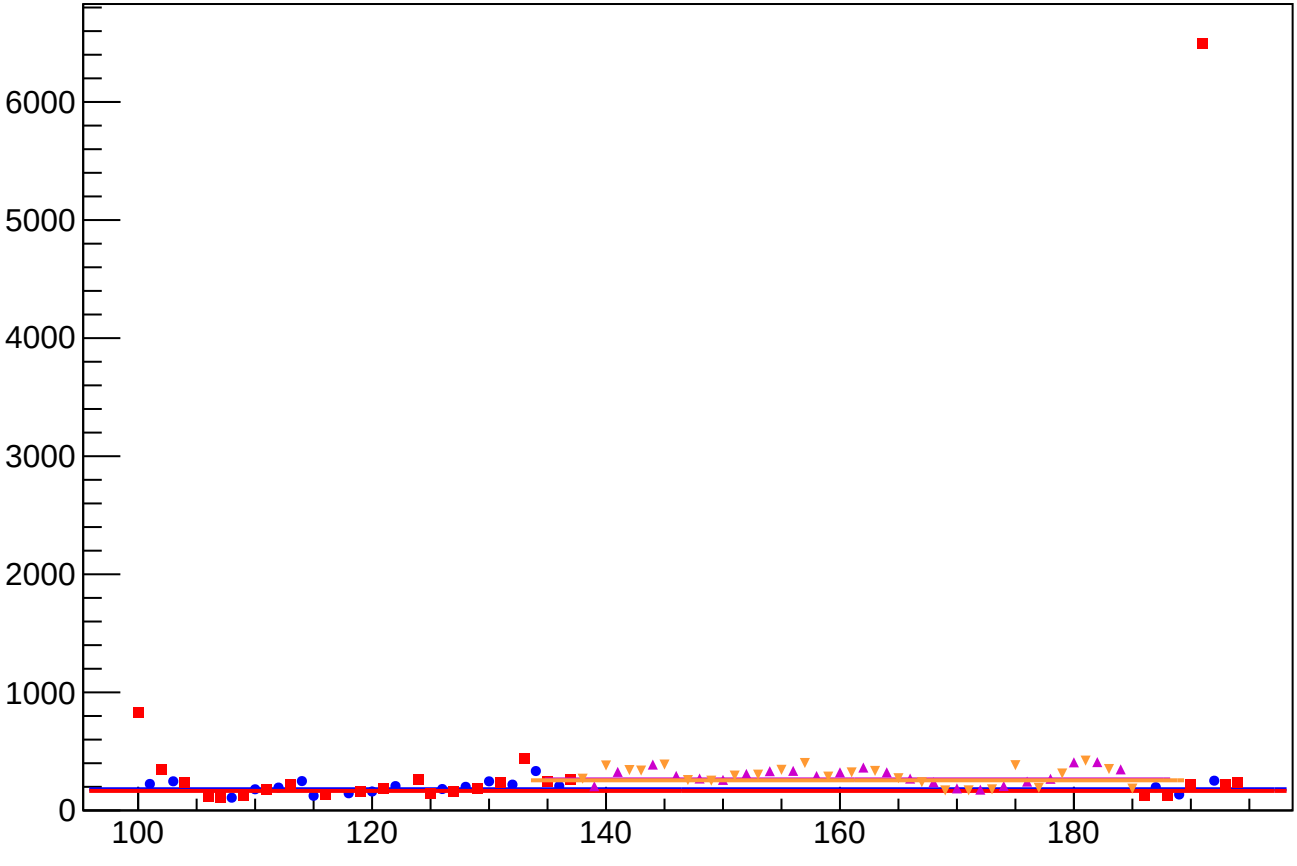
Right: -0.002+/-0.042 χ^2/NDF: 41.4/43

In: 0.085+/-0.045 χ^2/NDF:45.8/41

Out: -0.057+/-0.041 χ^2/NDF:47.5/49

All: 0.007+/-0.030 χ^2/NDF: 98.7/91

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.657+/-0.045 χ^2/NDF: 1178644.2/18

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 165.504+/-0.039 χ^2/NDF: 2217075.4/24

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

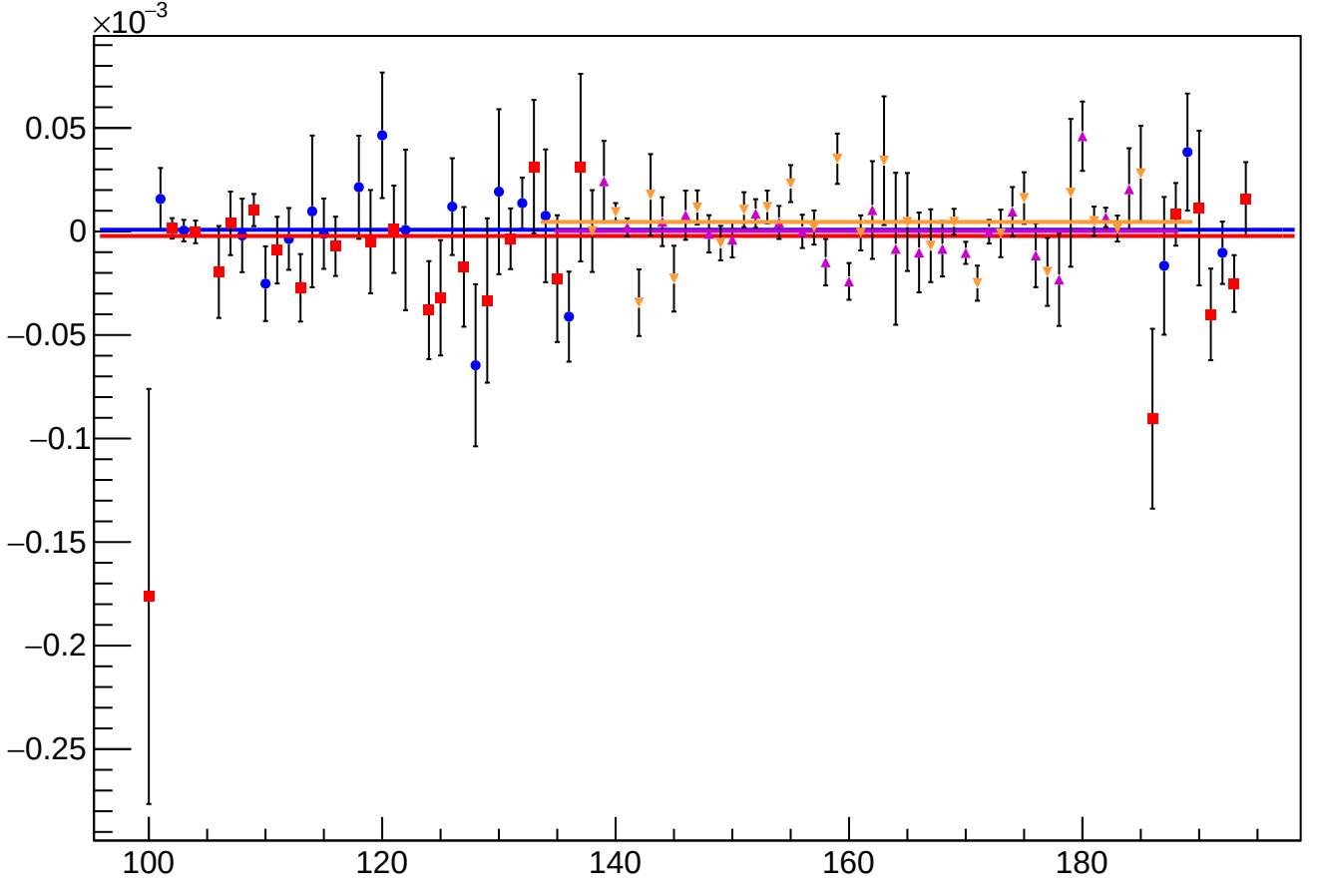
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 171.515+/-0.029 χ^2/NDF: 3452491.4/43

In: 220.465+/-0.032 χ^2/NDF:4875382.8/41

Out: 204.922+/-0.029 χ^2/NDF:7515960.0/49

All: 211.896+/-0.022 χ^2/NDF: 12520216.7/91



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.6/24

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

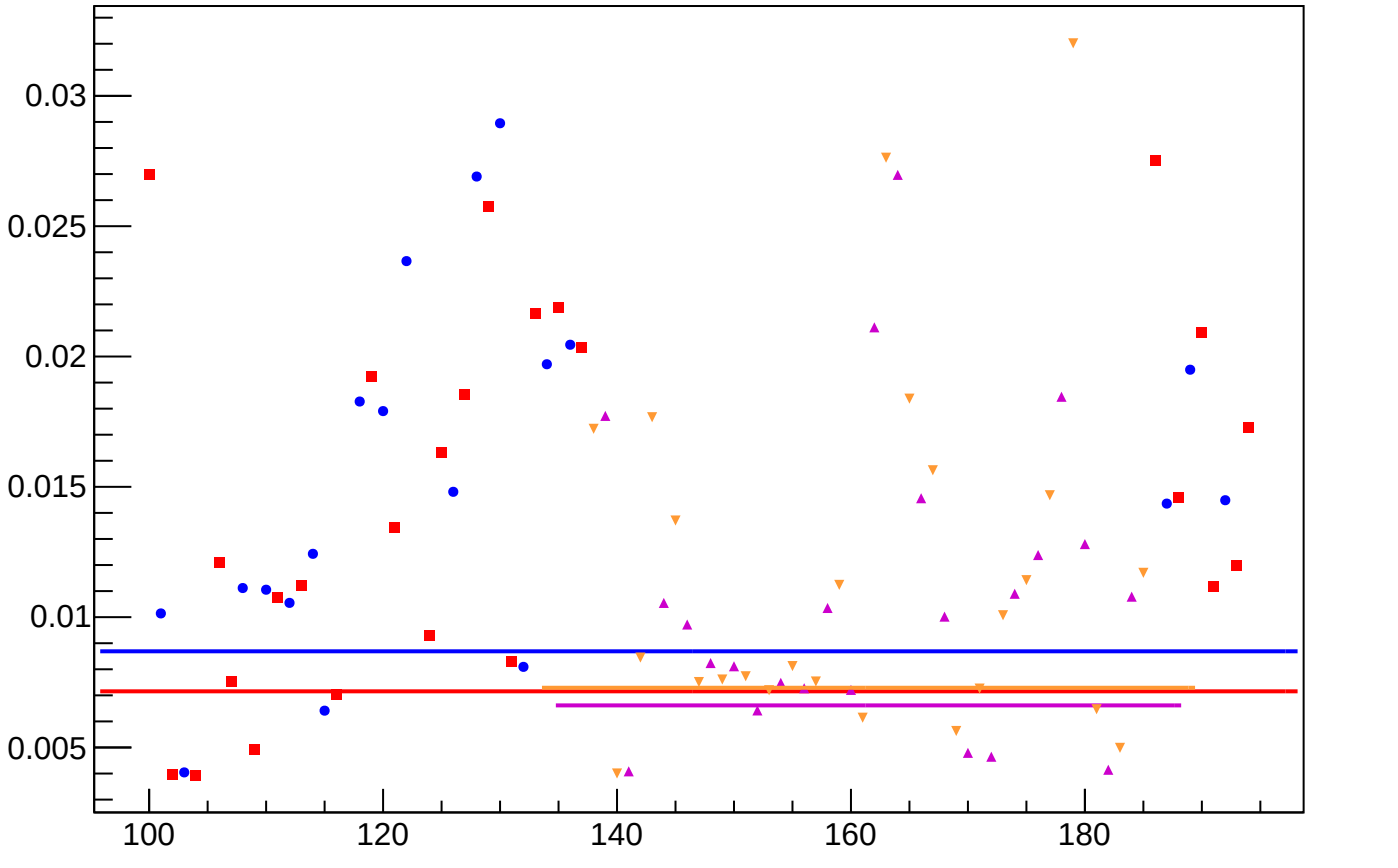
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

Right: -0.000+/-0.000 χ^2/NDF: 44.9/43

In: 0.000+/-0.000 χ^2/NDF:48.1/41

Out: 0.000+/-0.000 χ^2/NDF:75.3/49

All: 0.000+/-0.000 χ^2/NDF: 124.2/91



Right In: 0.009+/-0.000 χ^2/NDF: 5113893.5/18

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.007+/-0.000 χ^2/NDF: 6928507.5/24

Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

Left: 0.007+/-0.000 χ^2/NDF: 13317745.0/47

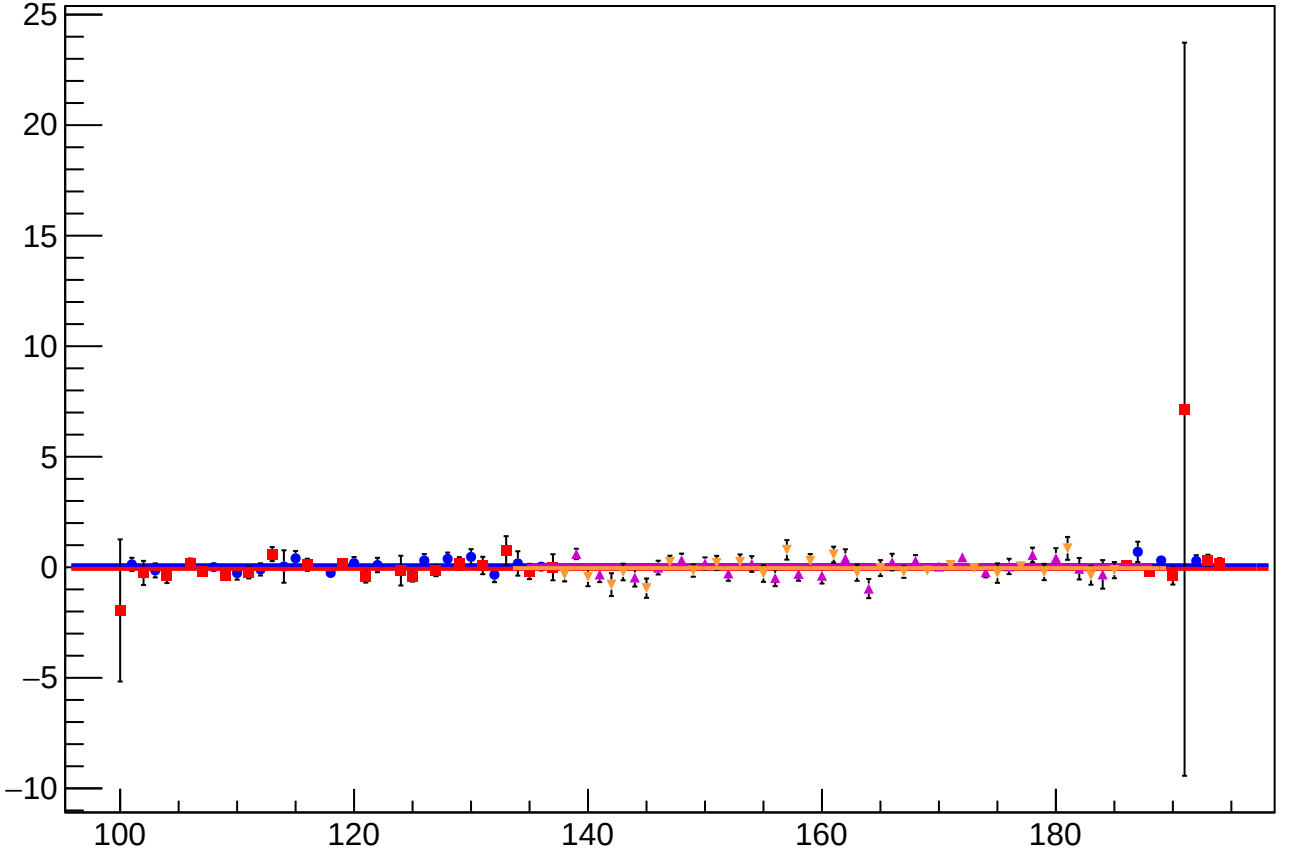
Right: 0.008+/-0.000 χ^2/NDF: 12282084.0/43

In: 0.007+/-0.000 χ^2/NDF:12066823.5/41

Out: 0.007+/-0.000 χ^2/NDF:13704067.3/49

All: 0.007+/-0.000 χ^2/NDF: 25788642.0/91

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.093+/-0.064 χ^2/NDF: 14.7/18

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.072+/-0.055 χ^2/NDF: 22.9/24

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

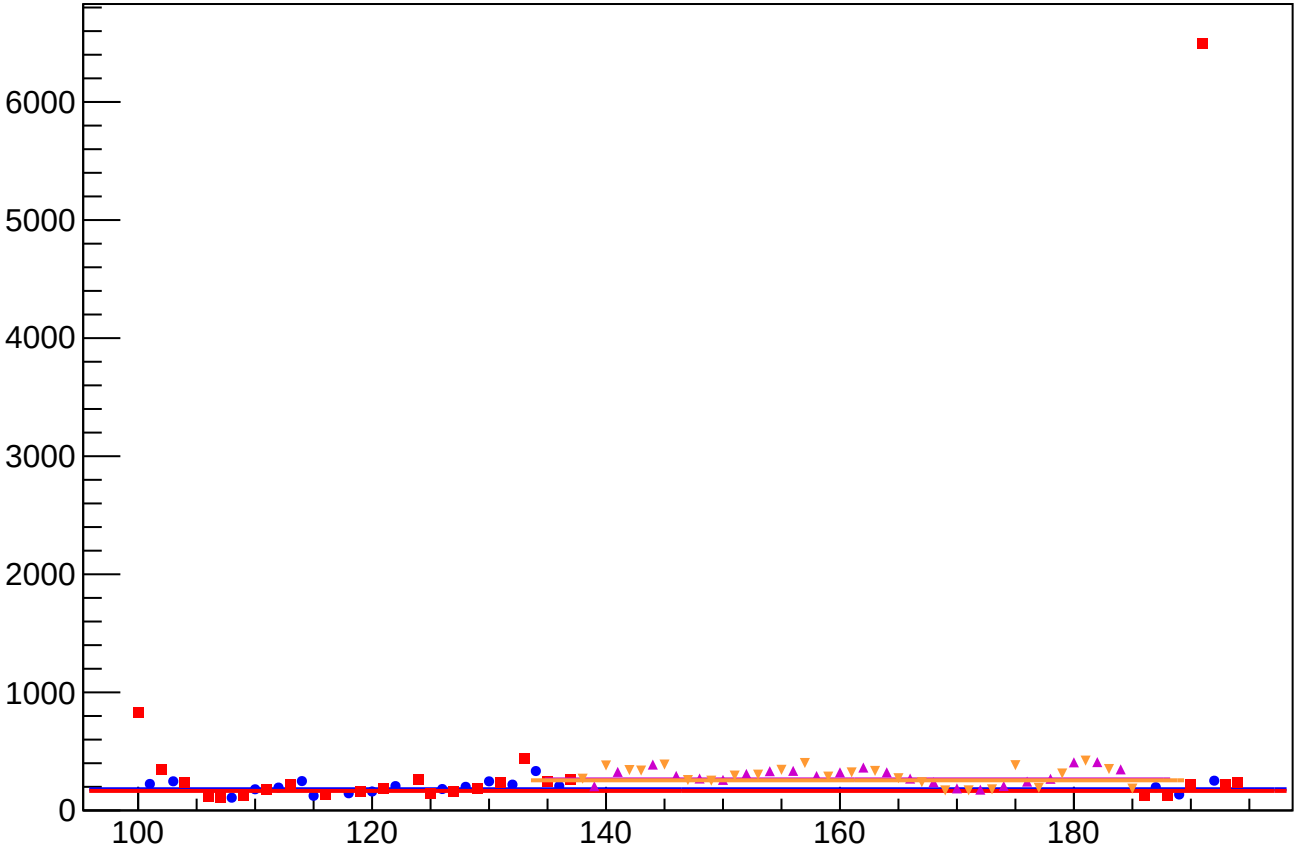
Right: -0.002+/-0.042 χ^2/NDF: 41.4/43

In: 0.085+/-0.045 χ^2/NDF:45.8/41

Out: -0.057+/-0.041 χ^2/NDF:47.5/49

All: 0.007+/-0.030 χ^2/NDF: 98.7/91

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.657+/-0.045 χ^2/NDF: 1178612.4/18

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 165.506+/-0.039 χ^2/NDF: 2217009.9/24

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

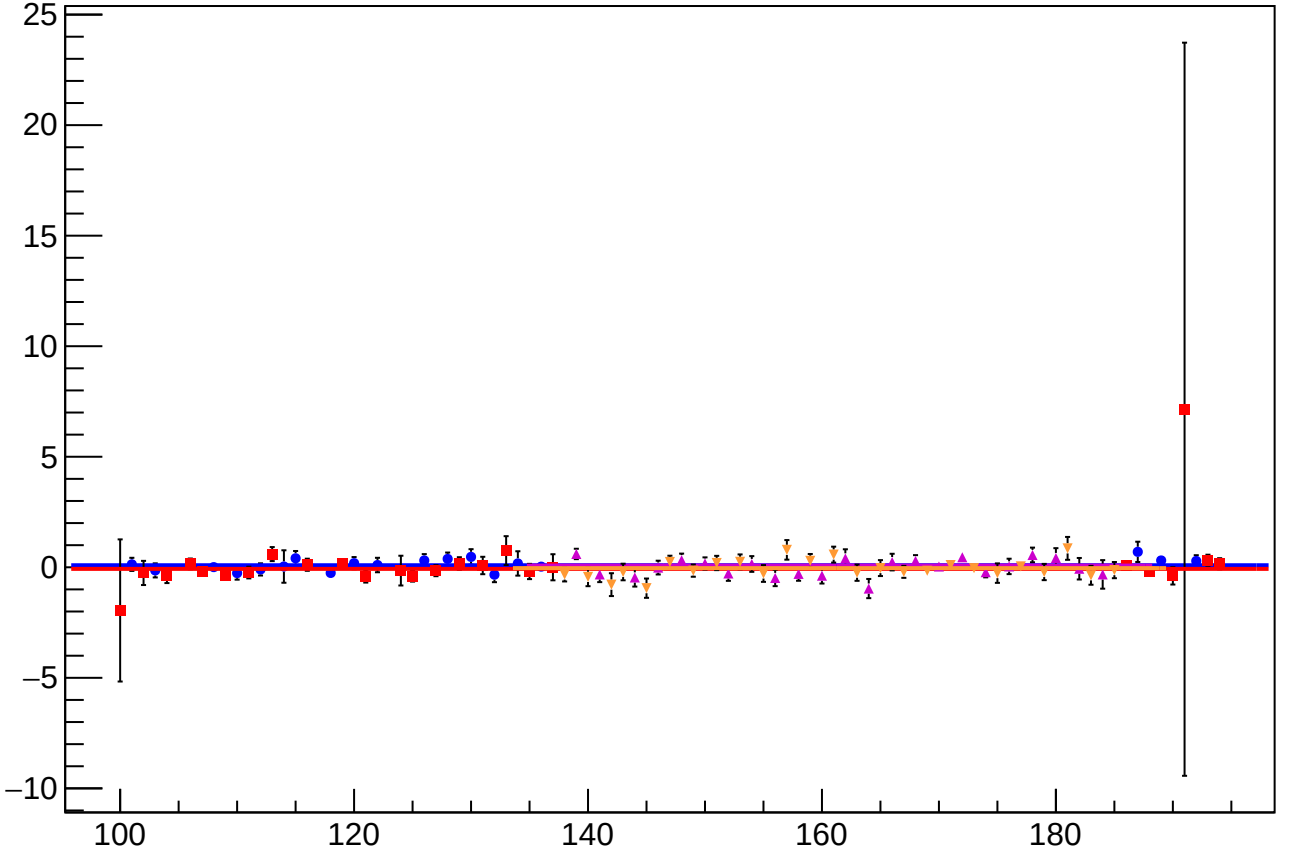
Right: 171.516+/-0.029 χ^2/NDF: 3452380.5/43

In: 220.465+/-0.032 χ^2/NDF:4875497.9/41

Out: 204.924+/-0.029 χ^2/NDF:7515997.4/49

All: 211.897+/-0.022 χ^2/NDF: 12520350.6/91

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.093+/-0.064 χ^2/NDF: 14.7/18

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.072+/-0.055 χ^2/NDF: 22.9/24

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

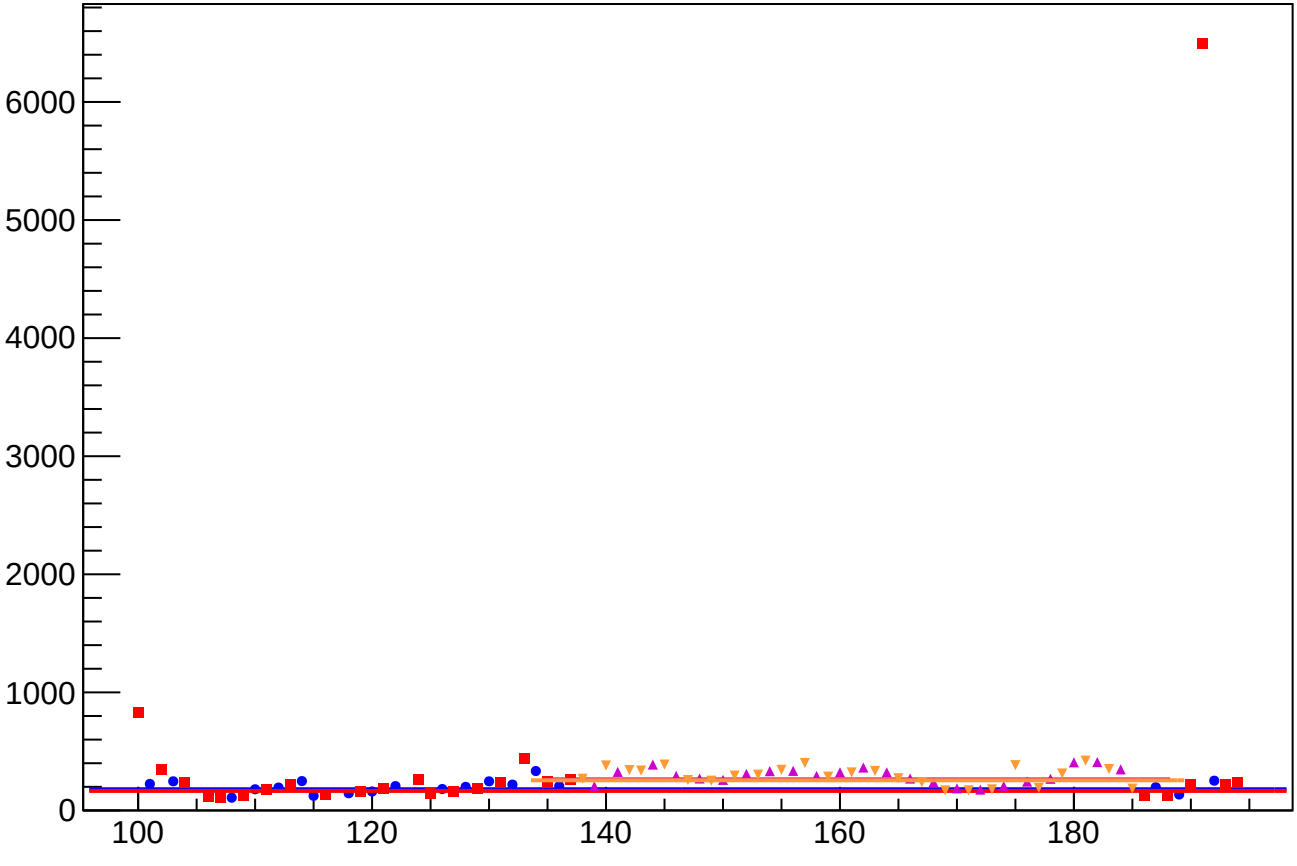
Right: -0.002+/-0.042 χ^2/NDF: 41.4/43

In: 0.085+/-0.045 χ^2/NDF:45.8/41

Out: -0.057+/-0.041 χ^2/NDF:47.5/49

All: 0.007+/-0.030 χ^2/NDF: 98.7/91

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.657+/-0.045 χ^2/NDF: 1178612.4/18

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 165.506+/-0.039 χ^2/NDF: 2217009.9/24

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

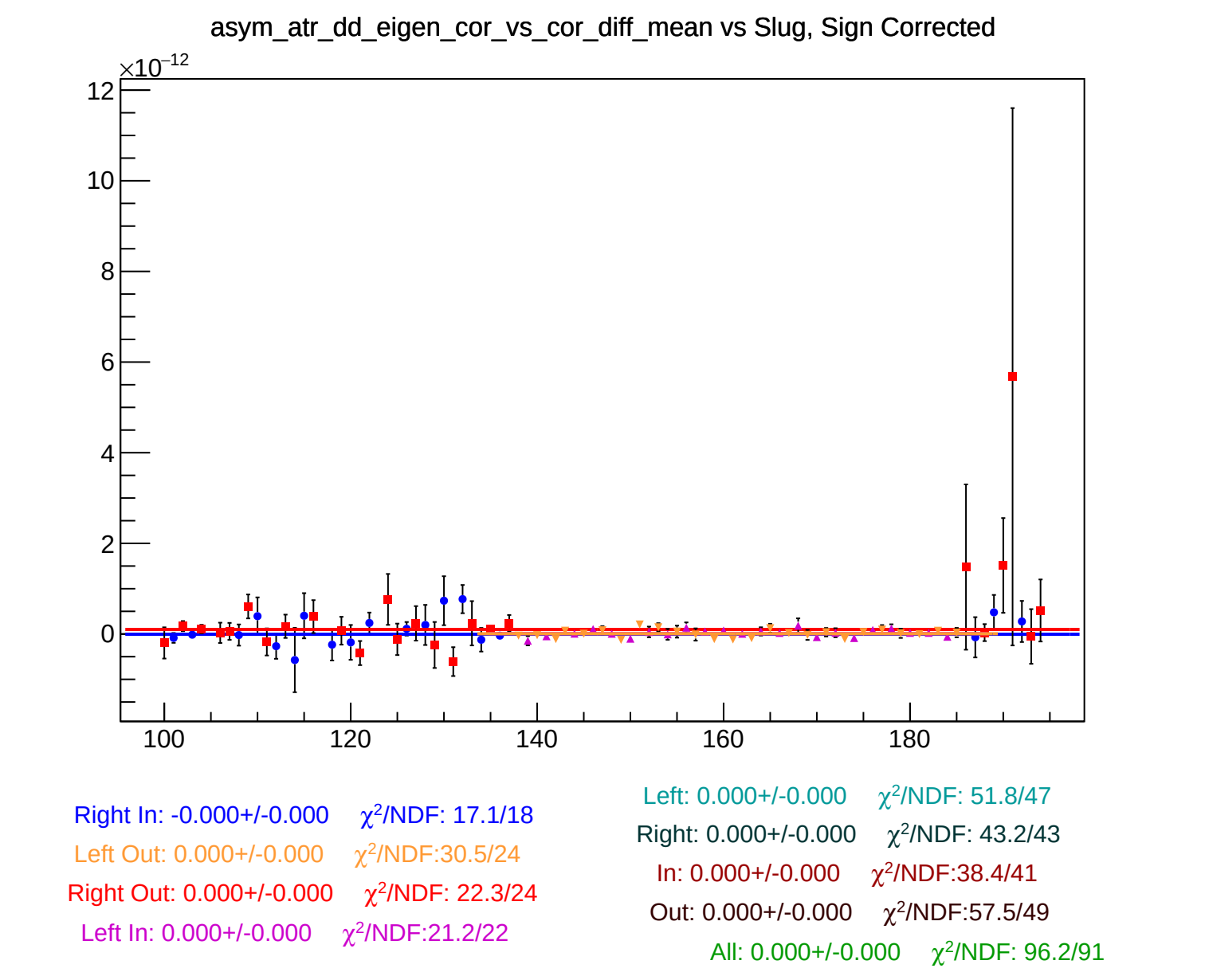
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

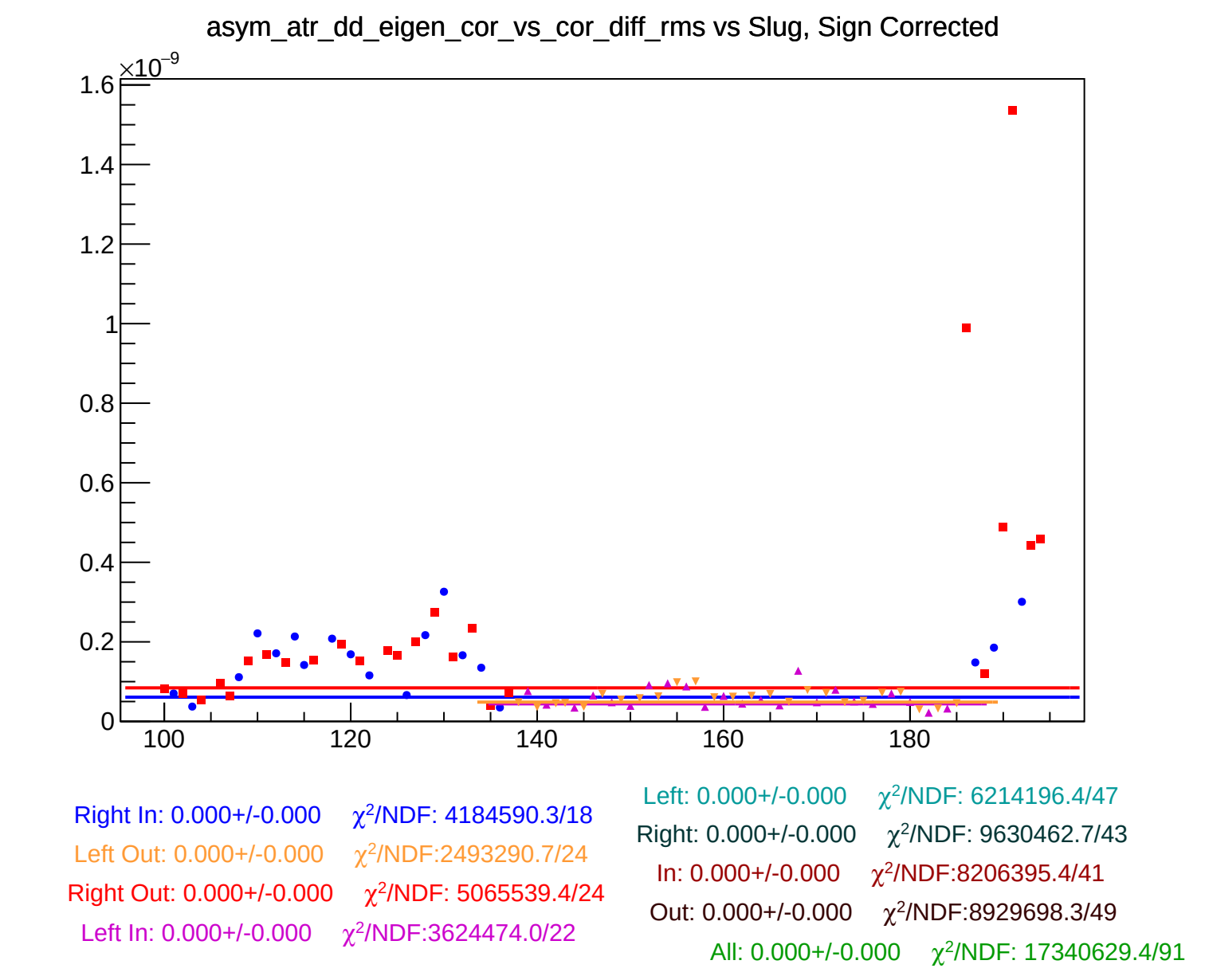
Right: 171.516+/-0.029 χ^2/NDF: 3452380.5/43

In: 220.465+/-0.032 χ^2/NDF:4875497.9/41

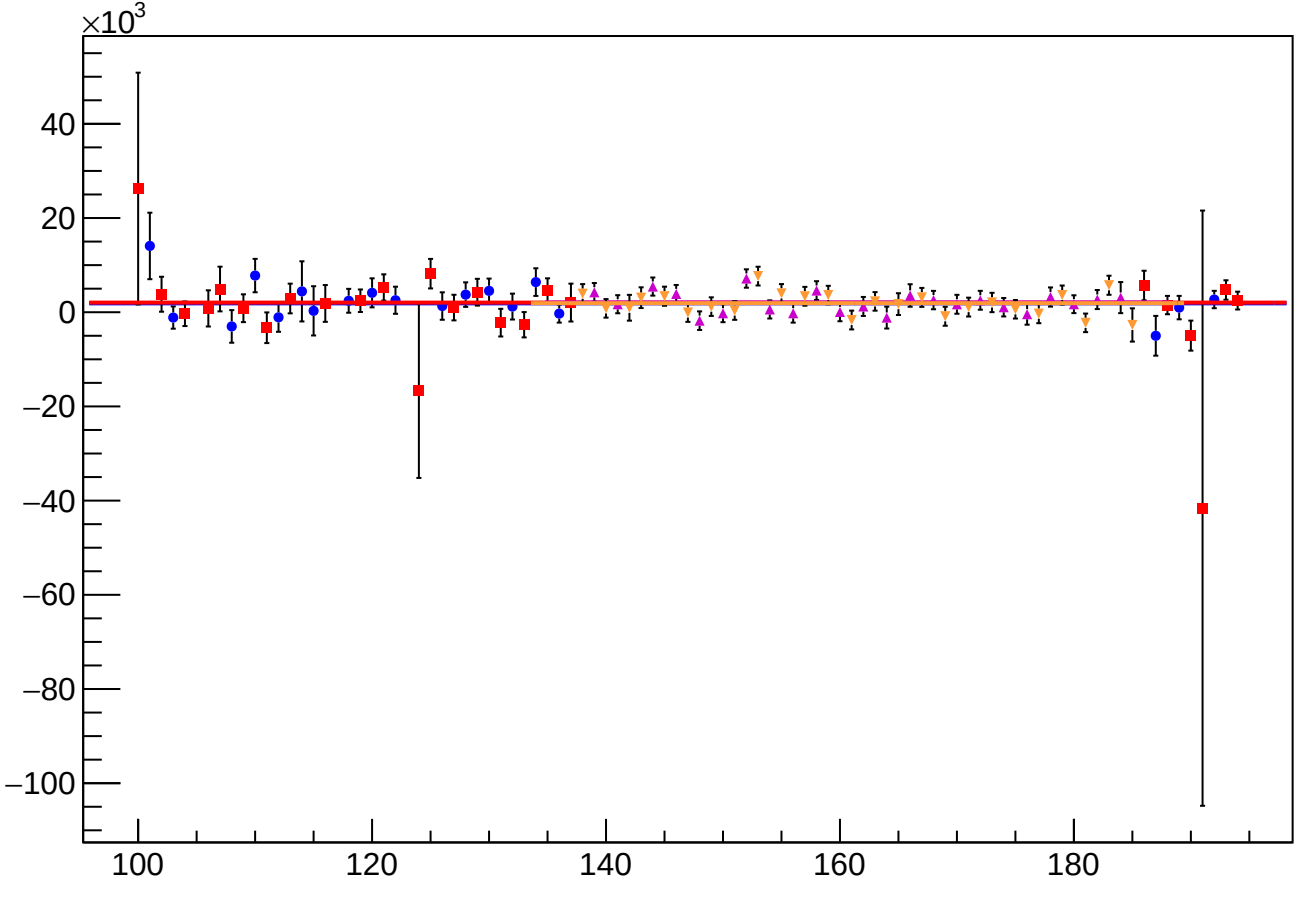
Out: 204.924+/-0.029 χ^2/NDF:7515997.4/49

All: 211.897+/-0.022 χ^2/NDF: 12520350.6/91


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
Right In: -0.000+/-0.000 χ²/NDF: 17.1/18
Left Out: 0.000+/-0.000 χ²/NDF:30.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.3/24
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: 43.2/43
In: 0.000+/-0.000 χ²/NDF:38.4/41
Out: 0.000+/-0.000 χ²/NDF:57.5/49
All: 0.000+/-0.000 χ²/NDF: 96.2/91


asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 4184590.3/18
Left Out: 0.000+/-0.000 χ²/NDF:2493290.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 5065539.4/24
Left In: 0.000+/-0.000 χ²/NDF:3624474.0/22
Left: 0.000+/-0.000 χ²/NDF: 6214196.4/47
Right: 0.000+/-0.000 χ²/NDF: 9630462.7/43
In: 0.000+/-0.000 χ²/NDF:8206395.4/41
Out: 0.000+/-0.000 χ²/NDF:8929698.3/49
All: 0.000+/-0.000 χ²/NDF: 17340629.4/91

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1881.197+/-651.358 χ^2/NDF: 19.5/18

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: 2045.022+/-595.512 χ^2/NDF: 27.0/24

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

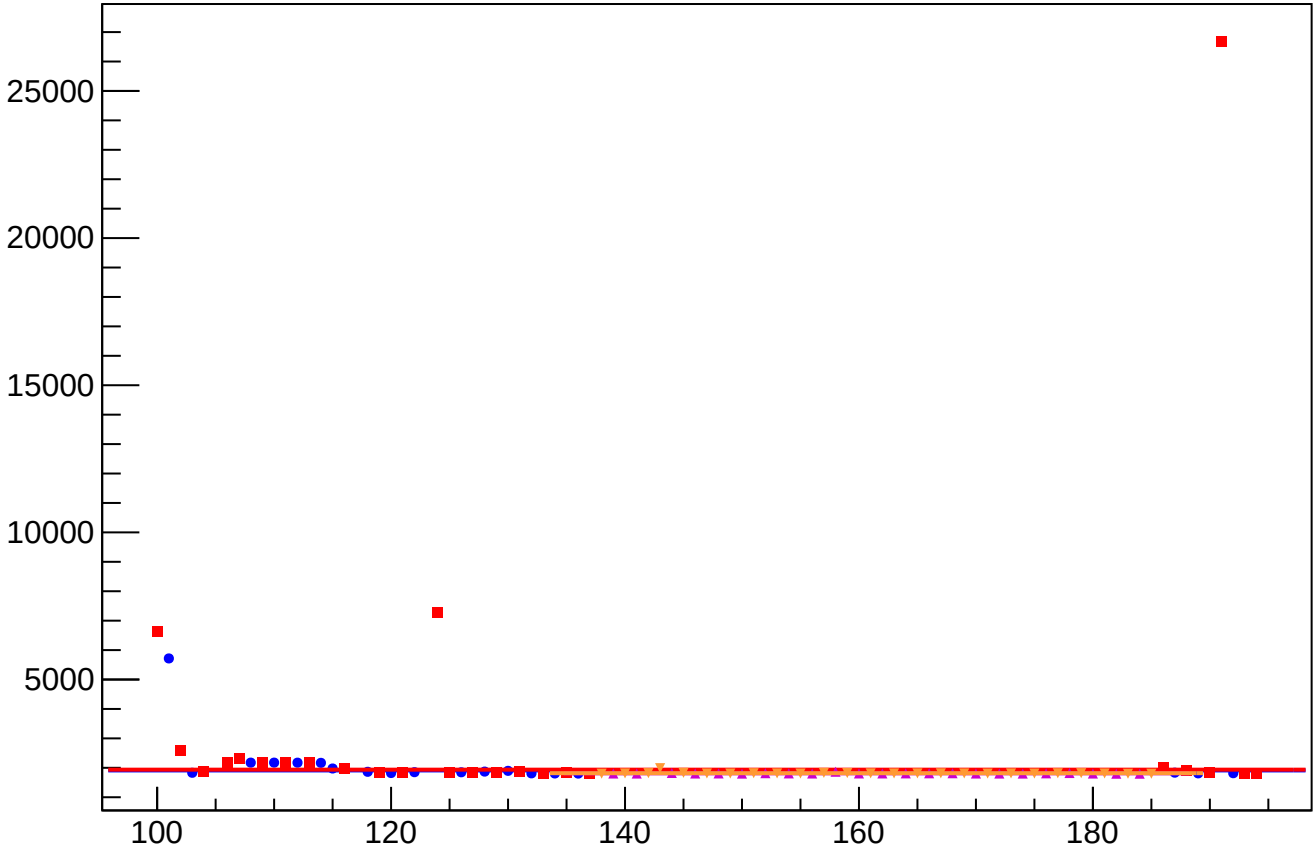
Right: 1970.432+/-439.510 χ^2/NDF: 46.5/43

In: 2016.914+/-354.876 χ^2/NDF:46.1/41

Out: 1961.012+/-339.325 χ^2/NDF:59.6/49

All: 1987.711+/-245.253 χ^2/NDF: 105.7/91

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1911.192+/-0.461 χ^2/NDF: 649676.0/18

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1937.019+/-0.421 χ^2/NDF: 710770.4/24

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

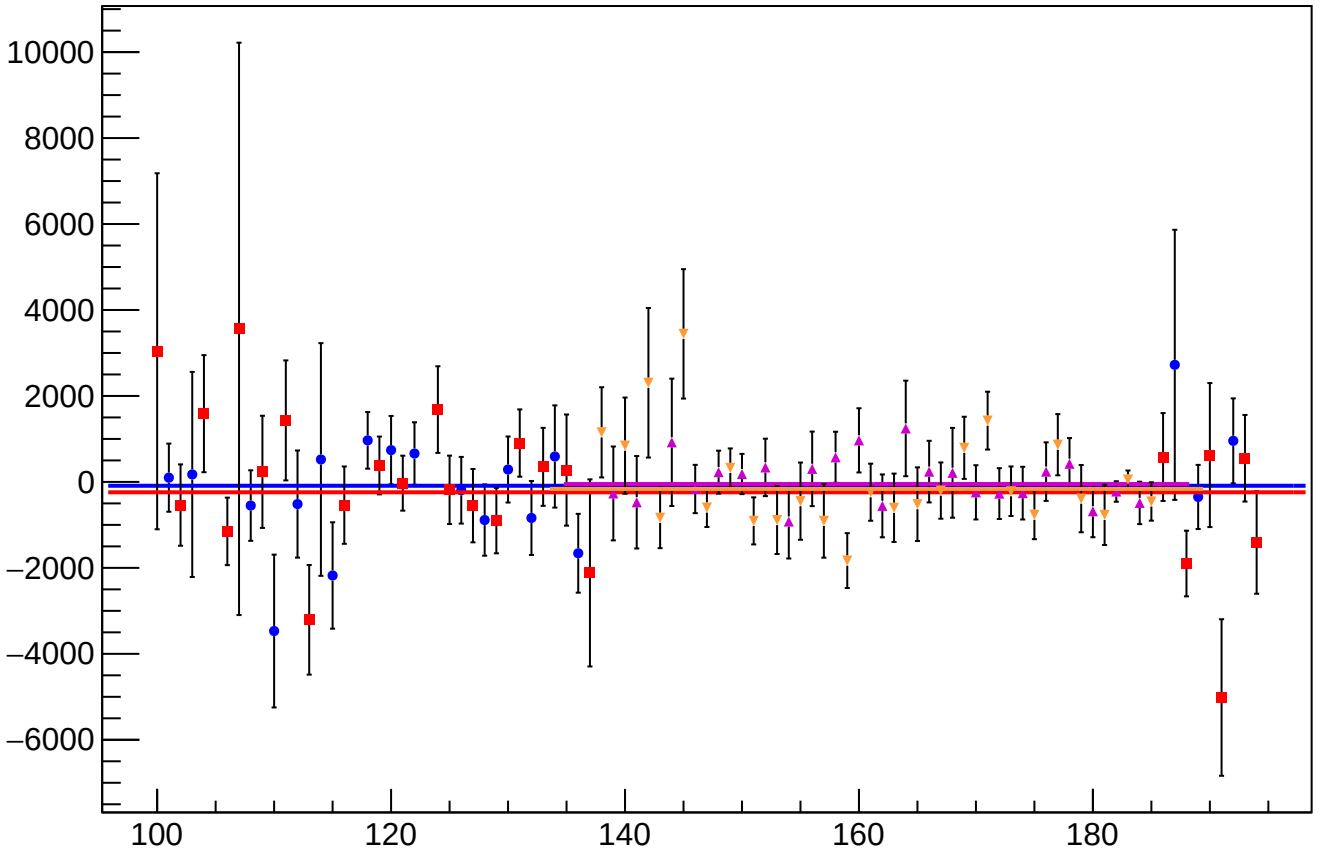
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1925.260+/-0.311 χ^2/NDF: 1362159.1/43

In: 1841.827+/-0.251 χ^2/NDF:683945.7/41

Out: 1856.321+/-0.240 χ^2/NDF:778108.1/49

All: 1849.399+/-0.173 χ^2/NDF: 1463796.7/91



Right In: -89.560+/-214.411 χ^2/NDF: 19.0/18

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: -241.392+/-198.794 χ^2/NDF: 34.3/24

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

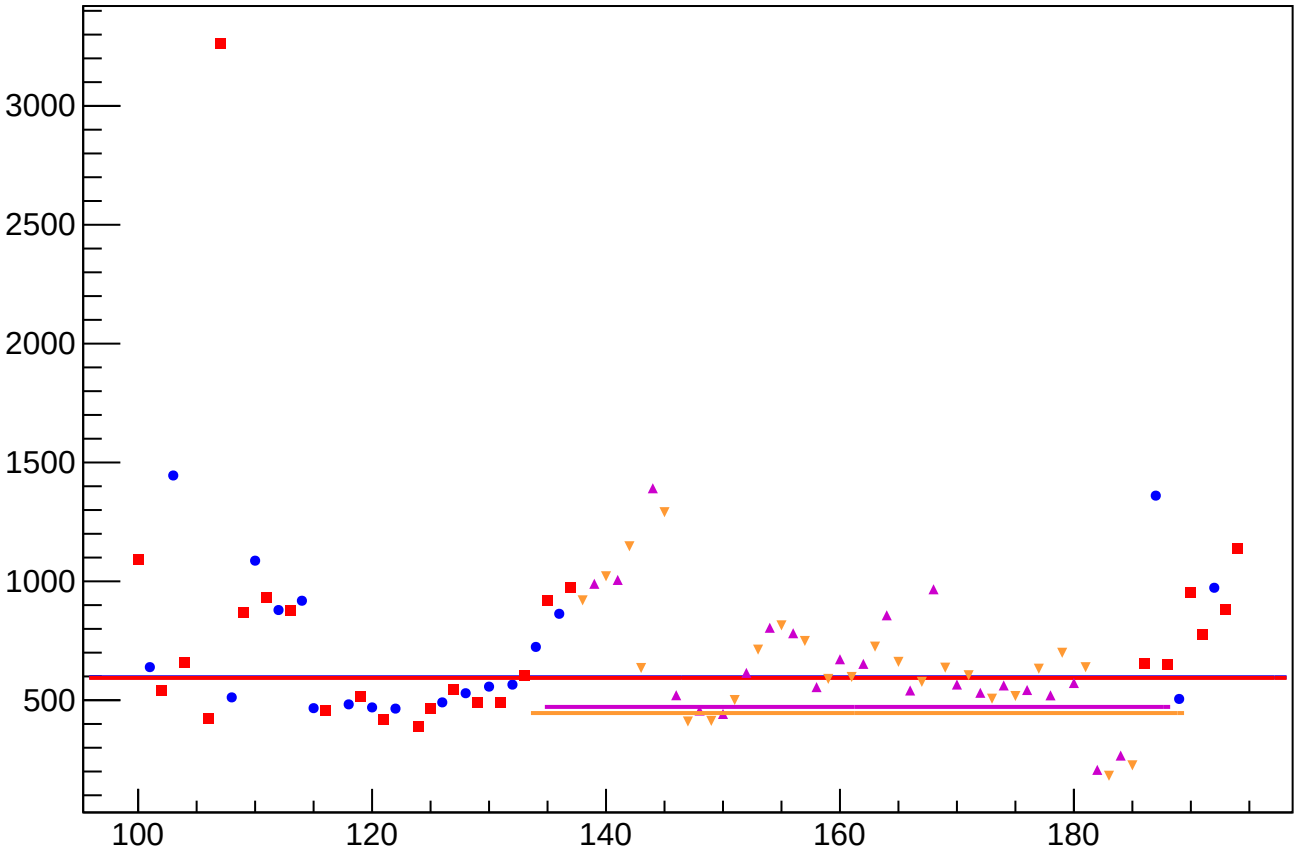
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -171.206+/-145.777 χ^2/NDF: 53.6/43

In: -59.223+/-106.489 χ^2/NDF:30.3/41

Out: -182.728+/-99.735 χ^2/NDF:71.3/49

All: -125.016+/-72.794 χ^2/NDF: 102.3/91



Right In: 596.485+/-0.152 χ^2/NDF: 1451094.1/18

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 593.834+/-0.141 χ^2/NDF: 2092301.1/24

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

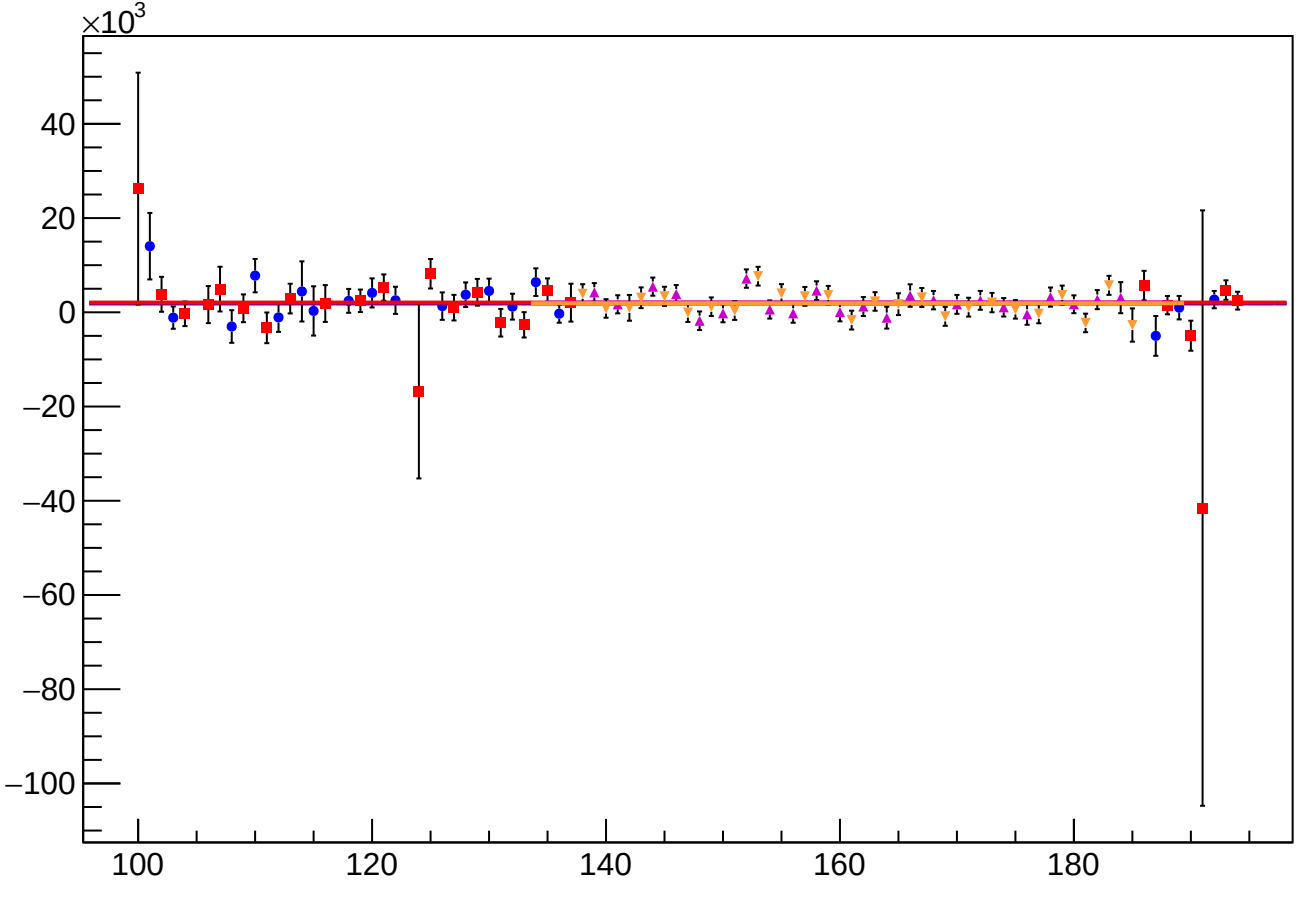
Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

Right: 595.060+/-0.103 χ^2/NDF: 3543559.6/43

In: 502.515+/-0.075 χ^2/NDF:8374949.7/41

Out: 483.130+/-0.071 χ^2/NDF:10903606.1/49

All: 492.189+/-0.051 χ^2/NDF: 19313861.0/91



Right In: 1880.930+/-651.358 χ^2/NDF: 19.5/18

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2065.428+/-595.855 χ^2/NDF: 26.9/24

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

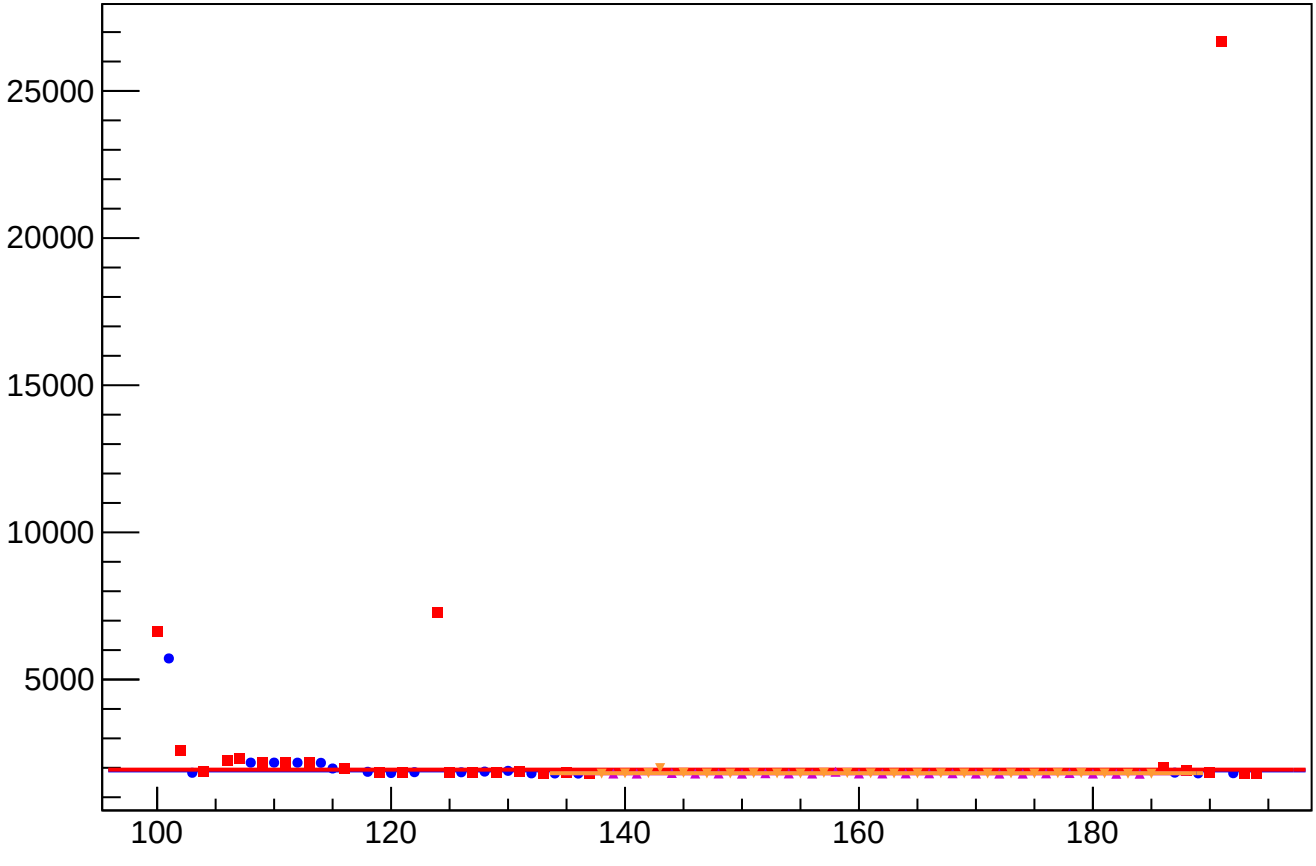
Right: 1981.373+/-439.648 χ^2/NDF: 46.4/43

In: 2016.905+/-354.876 χ^2/NDF:46.1/41

Out: 1967.577+/-339.389 χ^2/NDF:59.5/49

All: 1991.141+/-245.277 χ^2/NDF: 105.6/91

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1911.192+/-0.461 χ^2/NDF: 649676.0/18

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1937.888+/-0.421 χ^2/NDF: 714025.3/24

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

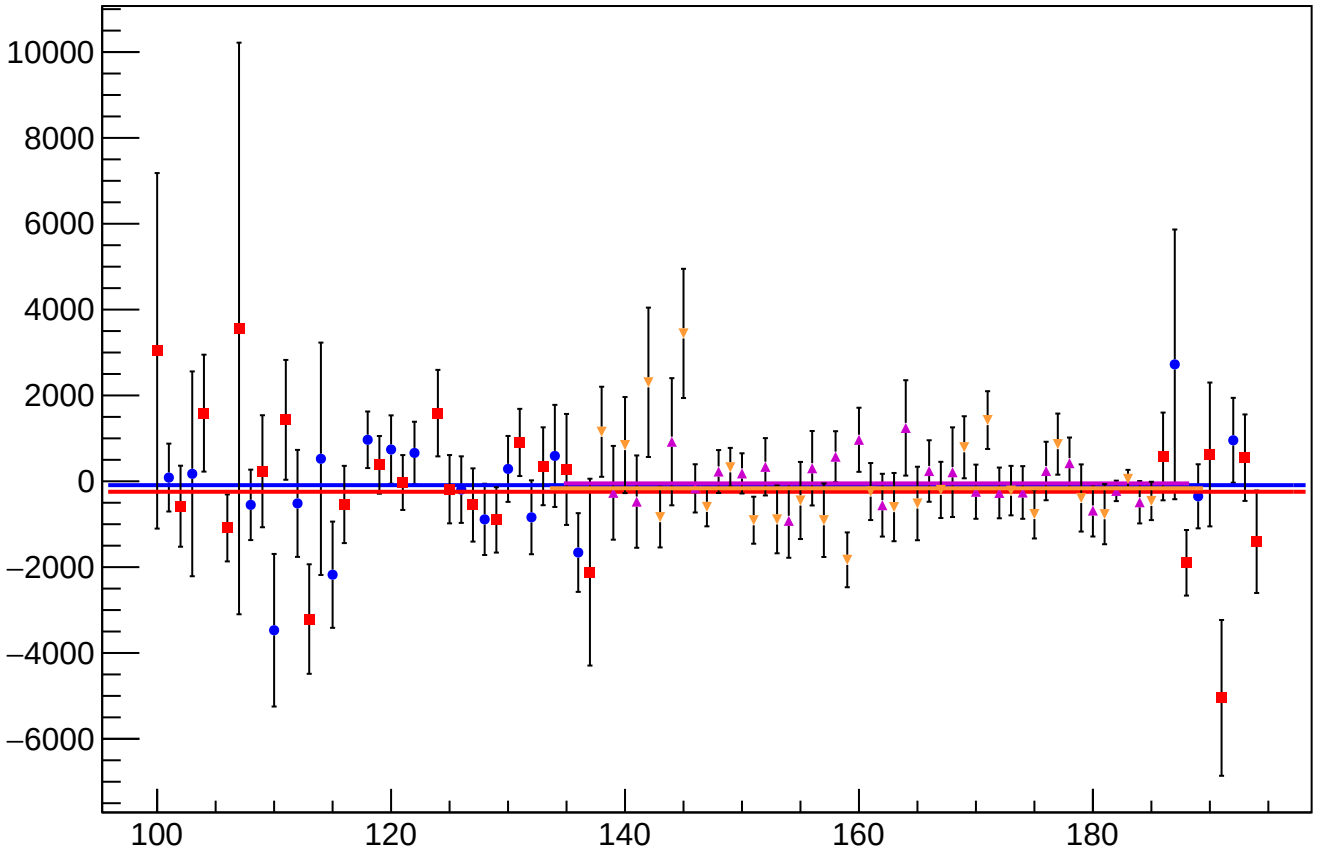
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1925.726+/-0.311 χ^2/NDF: 1365530.4/43

In: 1841.827+/-0.251 χ^2/NDF:683945.6/41

Out: 1856.573+/-0.240 χ^2/NDF:782114.4/49

All: 1849.529+/-0.173 χ^2/NDF: 1467863.8/91



Right In: -90.302+/-214.371 χ^2/NDF: 19.0/18

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -244.127+/-198.686 χ^2/NDF: 34.0/24

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

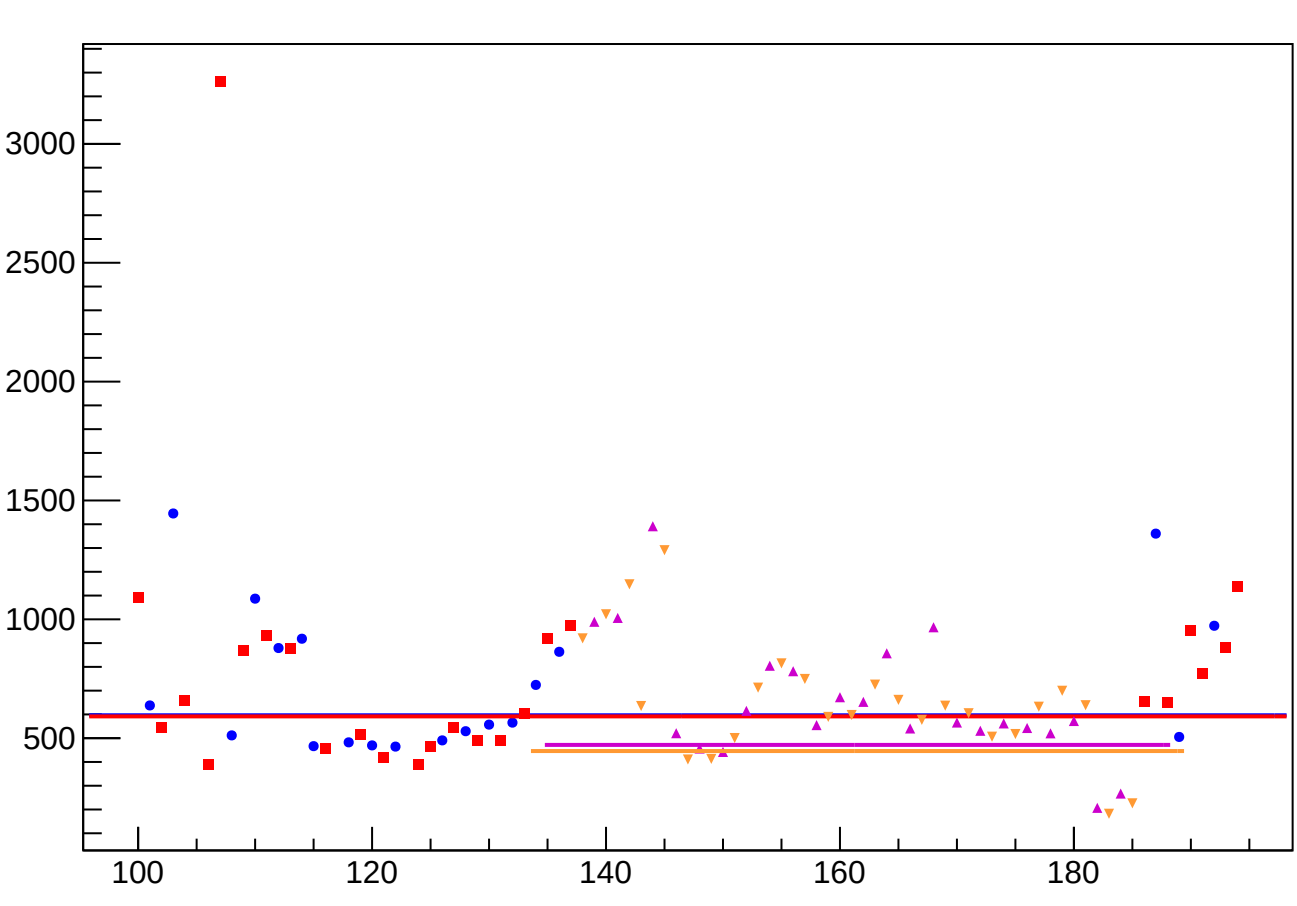
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -173.047+/-145.722 χ^2/NDF: 53.2/43

In: -59.424+/-106.486 χ^2/NDF:30.3/41

Out: -183.369+/-99.719 χ^2/NDF:71.0/49

All: -125.460+/-72.787 χ^2/NDF: 102.0/91



Right In: 596.399+/-0.152 χ^2/NDF: 1450707.7/18

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 591.687+/-0.140 χ^2/NDF: 2133528.9/24

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

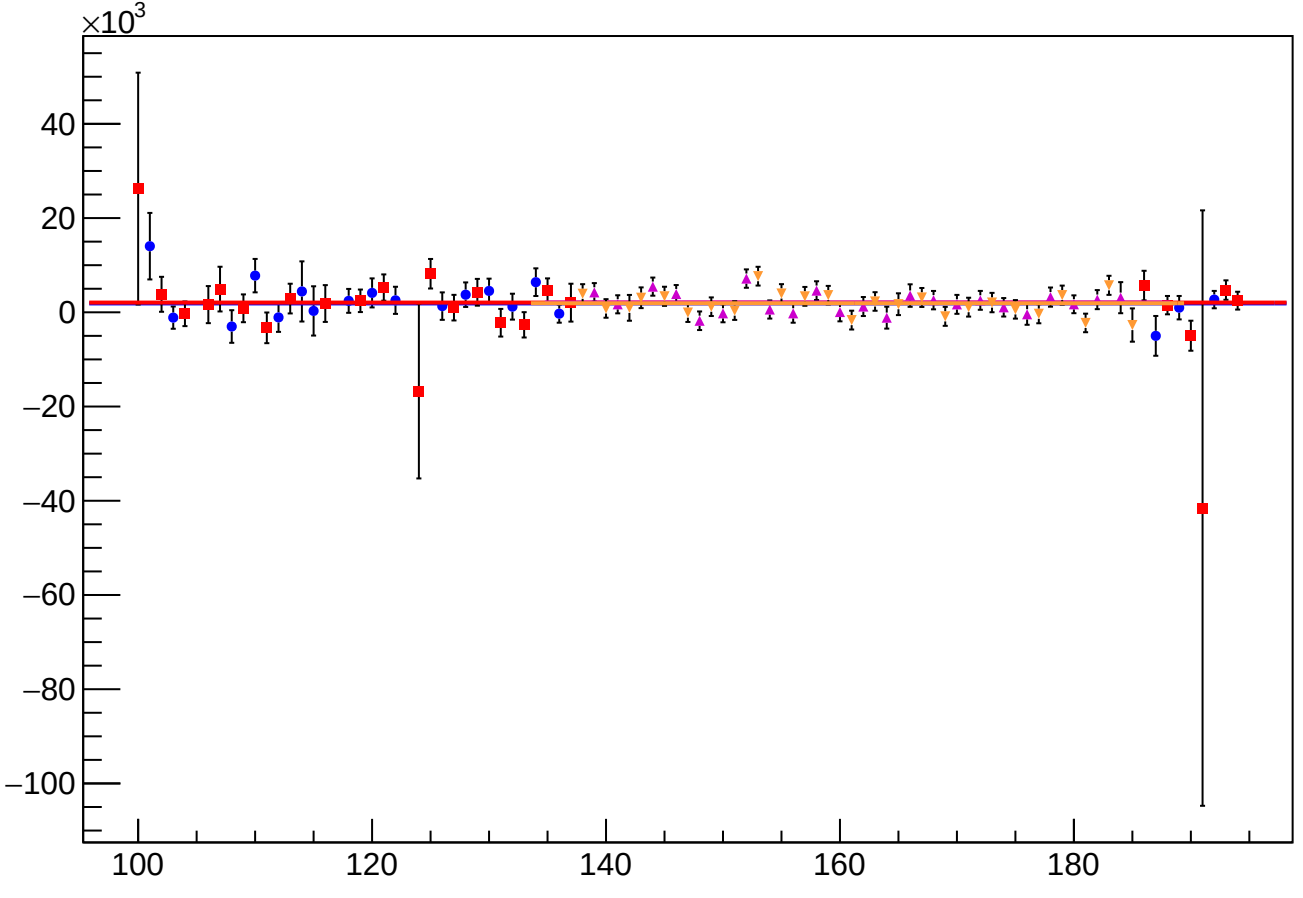
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 593.864+/-0.103 χ^2/NDF: 3584756.4/43

In: 502.512+/-0.075 χ^2/NDF:8373679.4/41

Out: 482.598+/-0.071 χ^2/NDF:10923313.3/49

All: 491.902+/-0.051 χ^2/NDF: 19334257.6/91



Right In: 1880.930+/-651.358 χ^2/NDF: 19.5/18

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2065.428+/-595.855 χ^2/NDF: 26.9/24

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

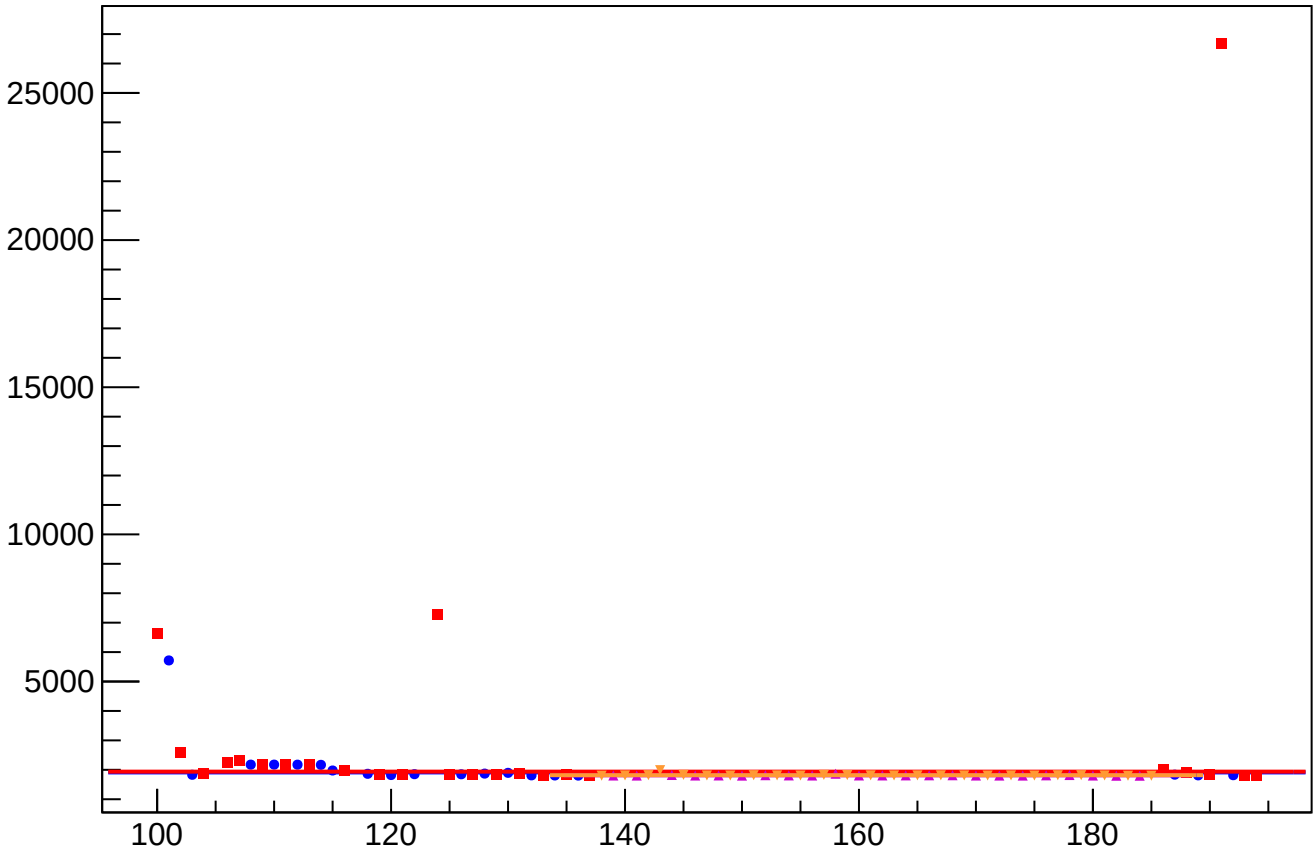
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 1981.373+/-439.648 χ^2/NDF: 46.4/43

In: 2016.905+/-354.876 χ^2/NDF:46.1/41

Out: 1967.577+/-339.389 χ^2/NDF:59.5/49

All: 1991.141+/-245.277 χ^2/NDF: 105.6/91



Right In: 1911.192+/-0.461 χ^2/NDF: 649676.0/18

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1937.888+/-0.421 χ^2/NDF: 714025.3/24

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

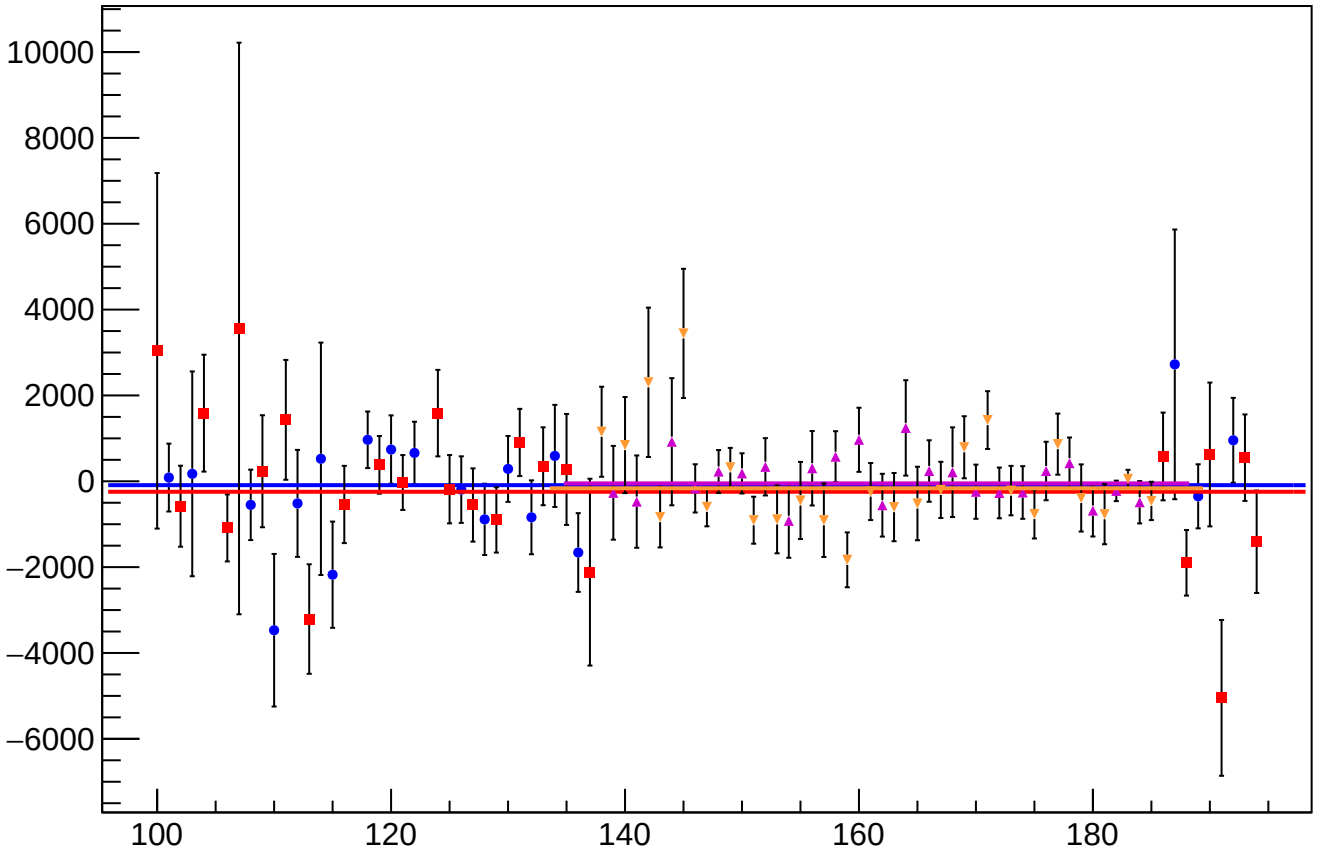
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1925.726+/-0.311 χ^2/NDF: 1365530.4/43

In: 1841.827+/-0.251 χ^2/NDF:683945.6/41

Out: 1856.573+/-0.240 χ^2/NDF:782114.4/49

All: 1849.529+/-0.173 χ^2/NDF: 1467863.8/91



Right In: -90.302+/-214.371 χ^2/NDF: 19.0/18

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -244.127+/-198.686 χ^2/NDF: 34.0/24

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

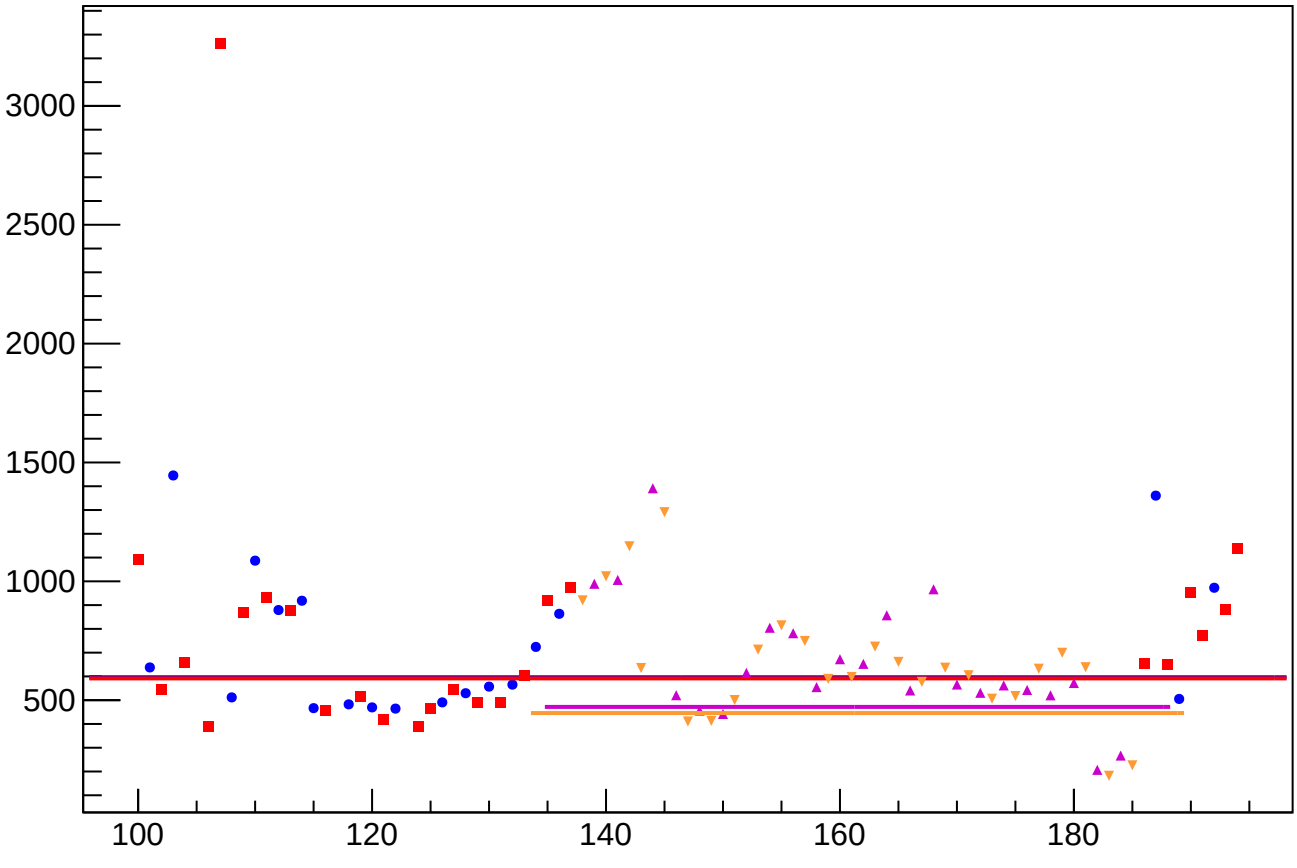
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -173.047+/-145.722 χ^2/NDF: 53.2/43

In: -59.424+/-106.486 χ^2/NDF:30.3/41

Out: -183.369+/-99.719 χ^2/NDF:71.0/49

All: -125.460+/-72.787 χ^2/NDF: 102.0/91



Right In: 596.399+/-0.152 χ^2/NDF: 1450707.7/18

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 591.687+/-0.140 χ^2/NDF: 2133528.9/24

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

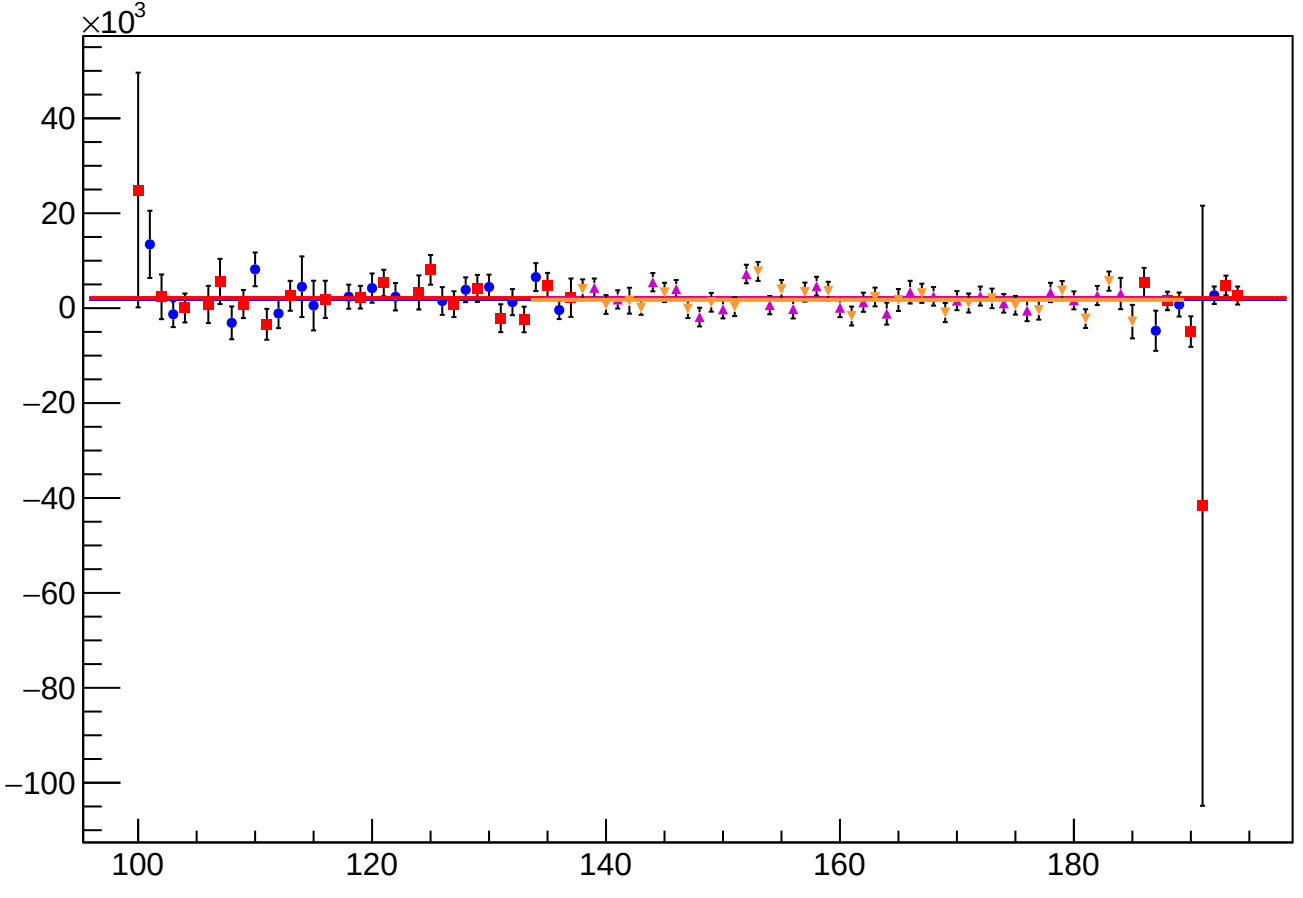
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 593.864+/-0.103 χ^2/NDF: 3584756.4/43

In: 502.512+/-0.075 χ^2/NDF:8373679.4/41

Out: 482.598+/-0.071 χ^2/NDF:10923313.3/49

All: 491.902+/-0.051 χ^2/NDF: 19334257.6/91



Right In: 1944.966+/-659.238 χ^2/NDF: 19.5/18

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2132.566+/-596.352 χ^2/NDF: 25.0/24

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

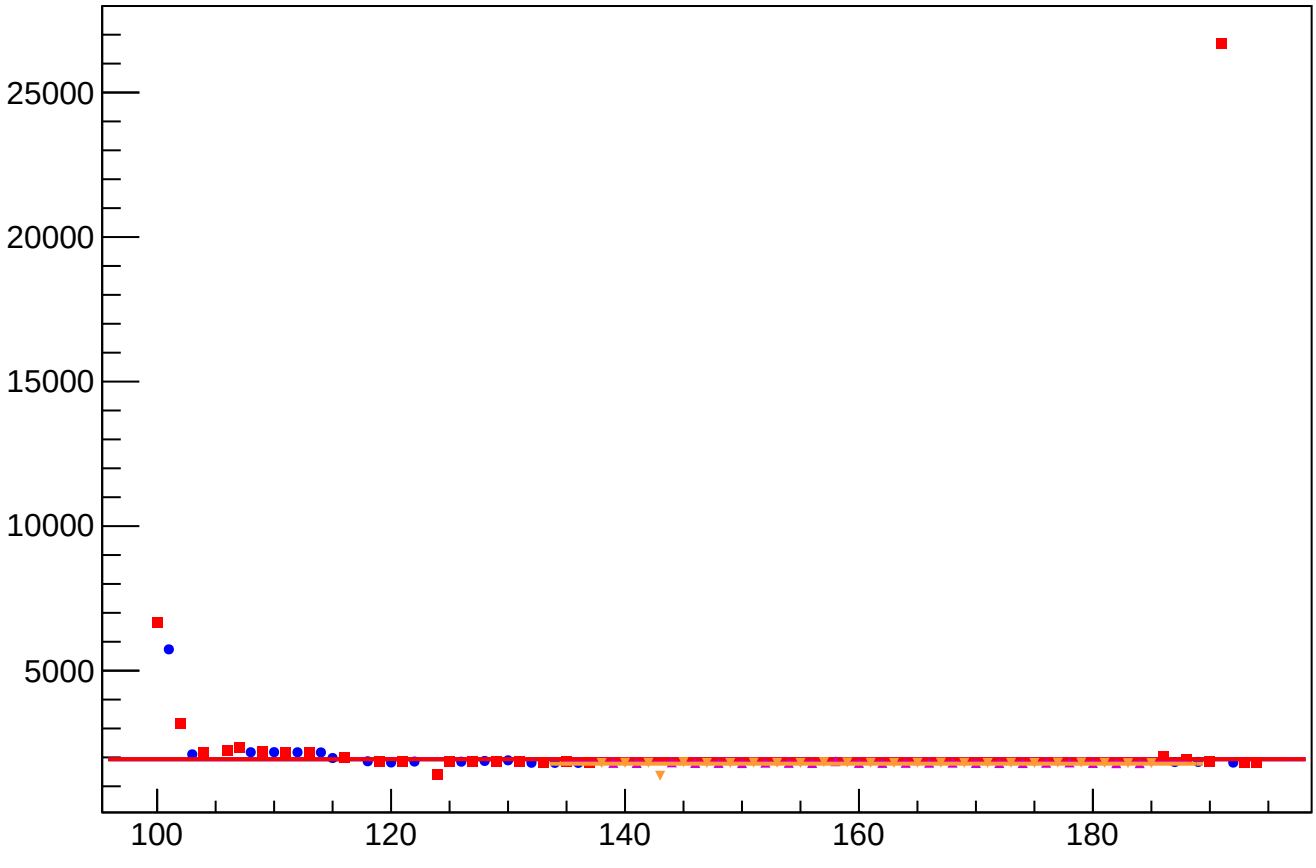
Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

Right: 2048.138+/-442.250 χ^2/NDF: 44.5/43

In: 2035.891+/-356.400 χ^2/NDF:46.5/41

Out: 1874.673+/-335.268 χ^2/NDF:59.0/49

All: 1950.361+/-244.199 χ^2/NDF: 105.6/91



Right In: 1933.954+/-0.466 χ^2/NDF: 654575.3/18

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1937.545+/-0.422 χ^2/NDF: 676068.3/24

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

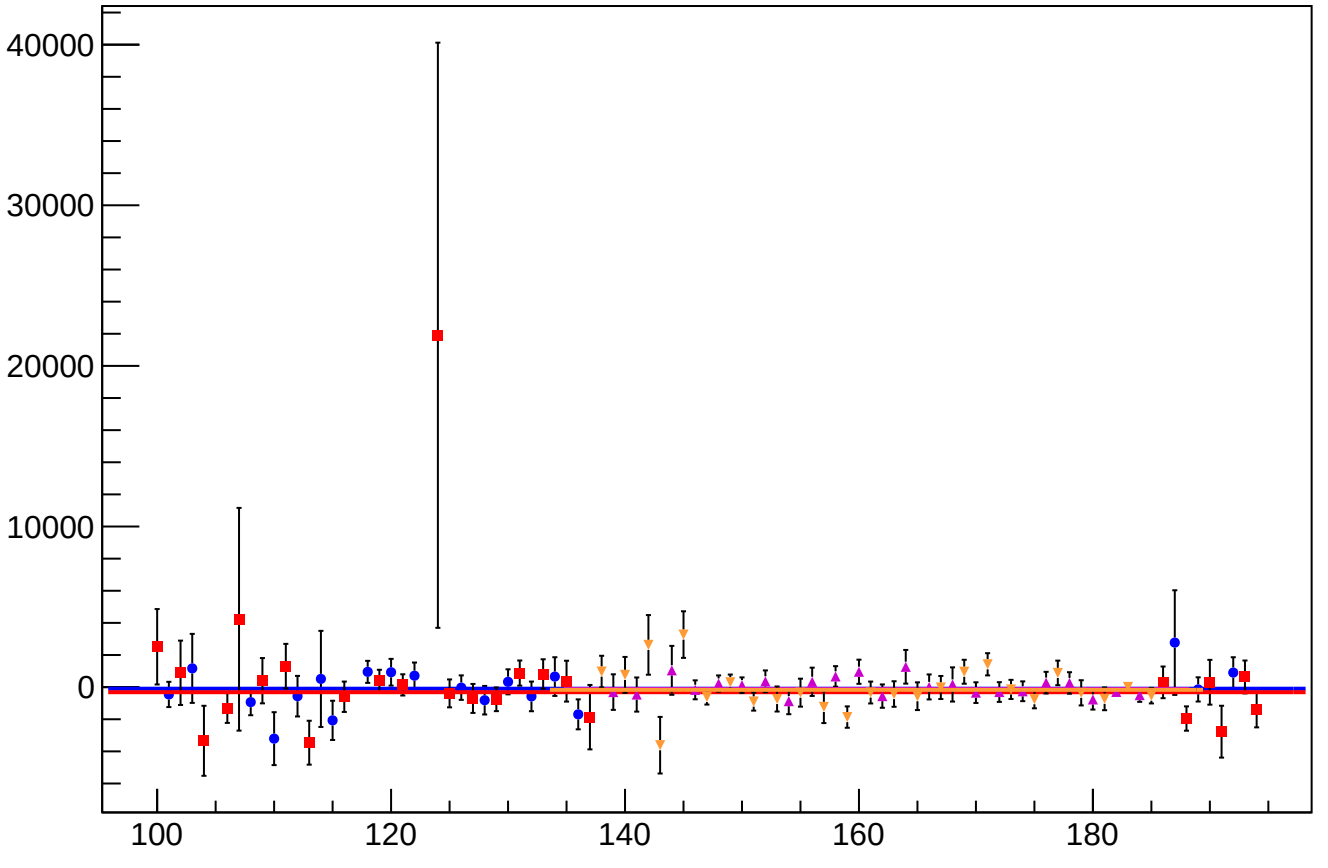
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1935.929+/-0.313 χ^2/NDF: 1330676.2/43

In: 1849.367+/-0.252 χ^2/NDF:703195.0/41

Out: 1830.419+/-0.237 χ^2/NDF:935367.3/49

All: 1839.315+/-0.173 χ^2/NDF: 1641561.2/91



Right In: -98.117+/-219.424 χ^2/NDF: 19.2/18

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: -315.111+/-211.280 χ^2/NDF: 30.0/24

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

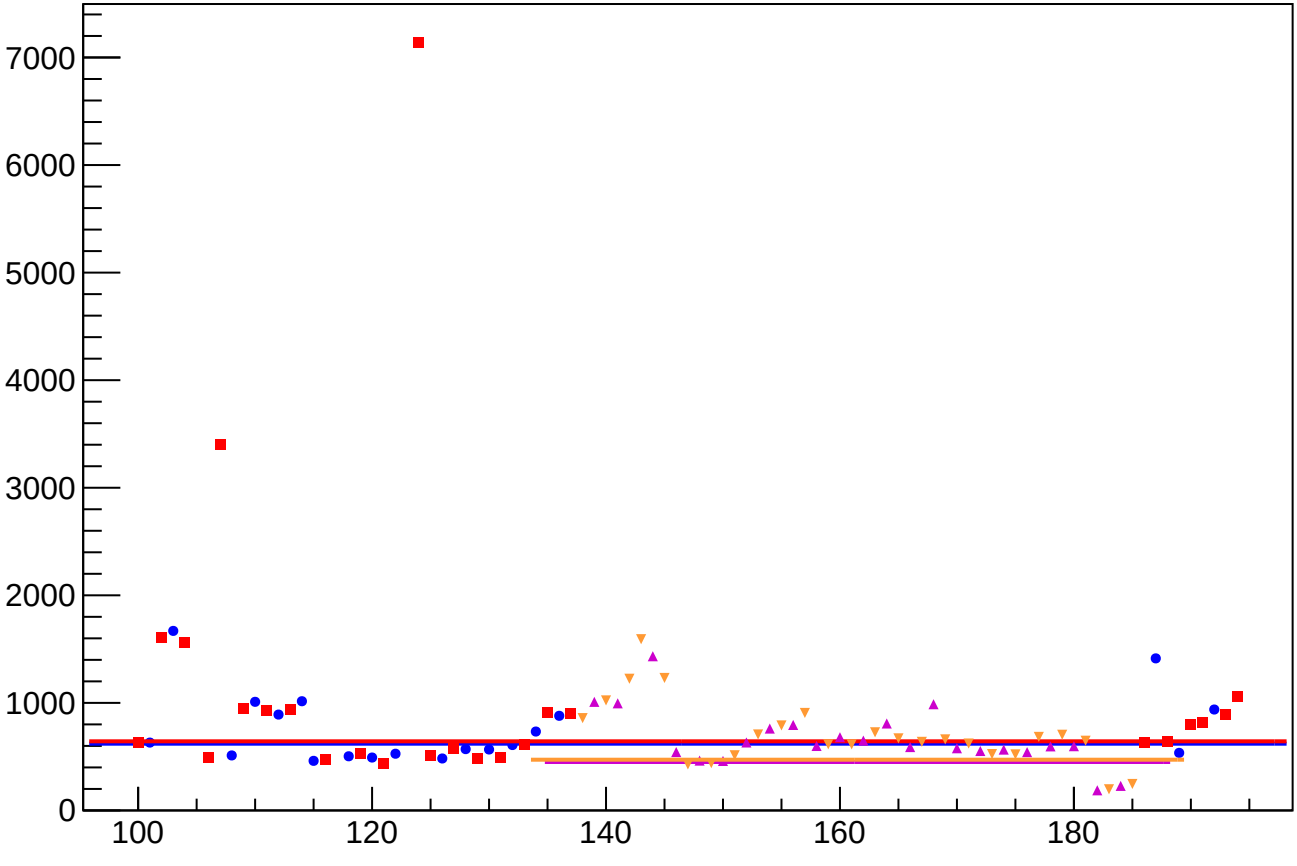
Right: -210.715+/-152.195 χ^2/NDF: 49.7/43

In: -112.828+/-105.130 χ^2/NDF:31.5/41

Out: -204.549+/-105.410 χ^2/NDF:68.7/49

All: -158.566+/-74.437 χ^2/NDF: 100.6/91

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 620.750+/-0.155 χ^2/NDF: 1536342.6/18

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 642.752+/-0.149 χ^2/NDF: 2840352.5/24

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

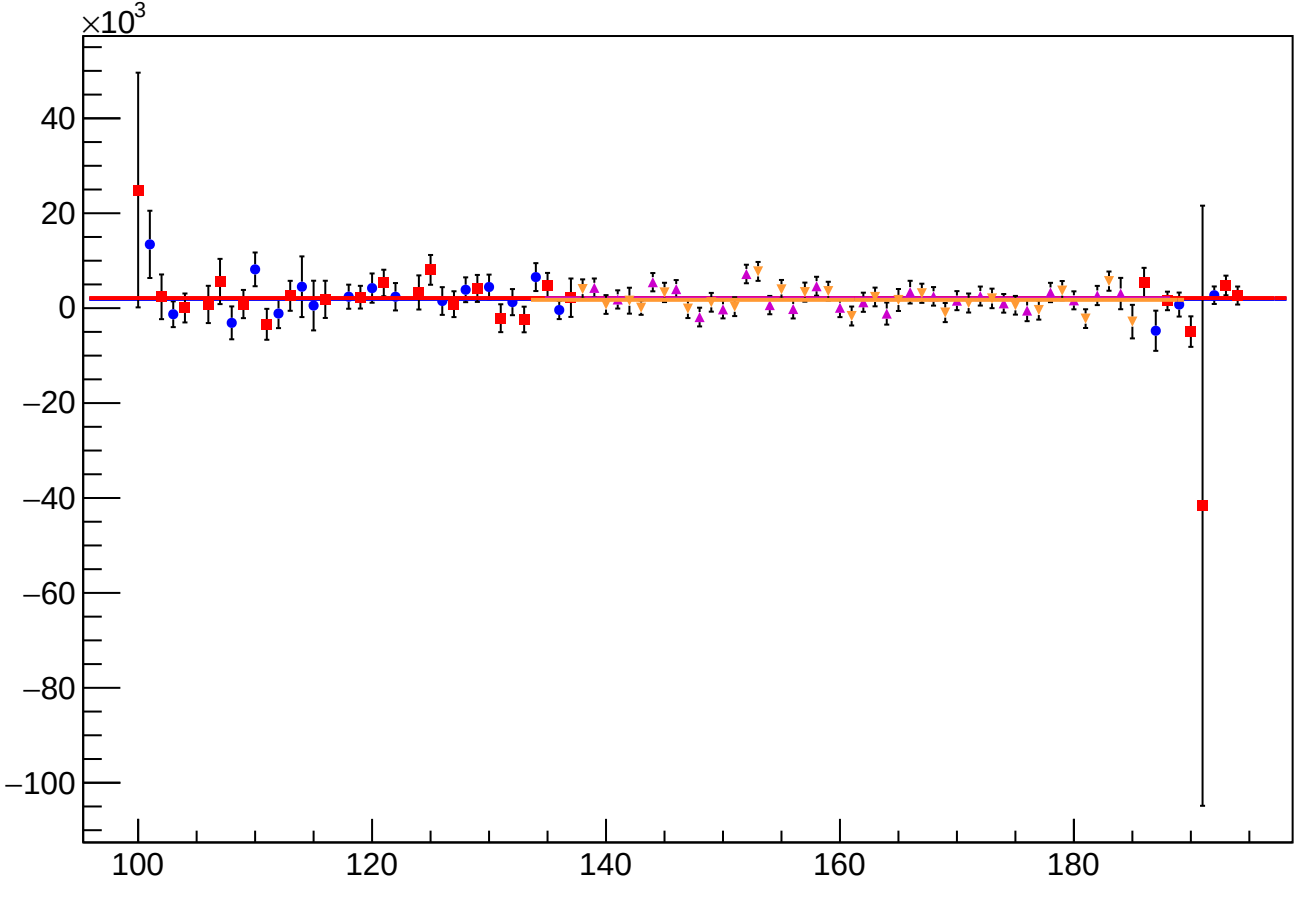
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 632.167+/-0.108 χ^2/NDF: 4387129.2/43

In: 489.698+/-0.074 χ^2/NDF:10390659.0/41

Out: 514.334+/-0.075 χ^2/NDF:11936729.0/49

All: 501.984+/-0.053 χ^2/NDF: 22382156.2/91



Right In: 1944.965+/-659.237 χ^2/NDF: 19.5/18

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2132.563+/-596.352 χ^2/NDF: 25.0/24

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

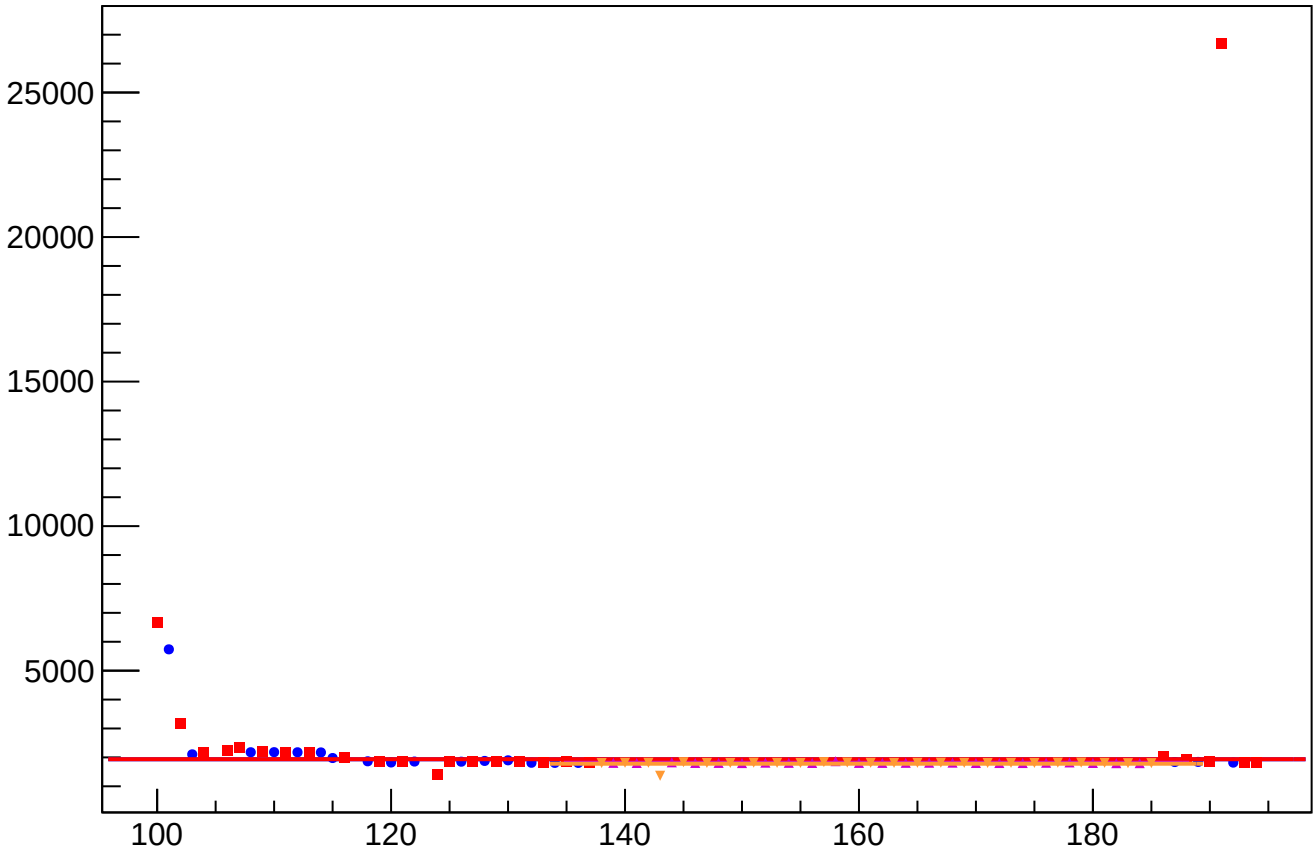
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

Right: 2048.136+/-442.250 χ^2/NDF: 44.5/43

In: 2035.891+/-356.400 χ^2/NDF:46.5/41

Out: 1874.672+/-335.268 χ^2/NDF:59.0/49

All: 1950.361+/-244.199 χ^2/NDF: 105.6/91



Right In: 1933.953+/-0.466 χ^2/NDF: 654574.9/18

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1937.544+/-0.422 χ^2/NDF: 676067.0/24

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

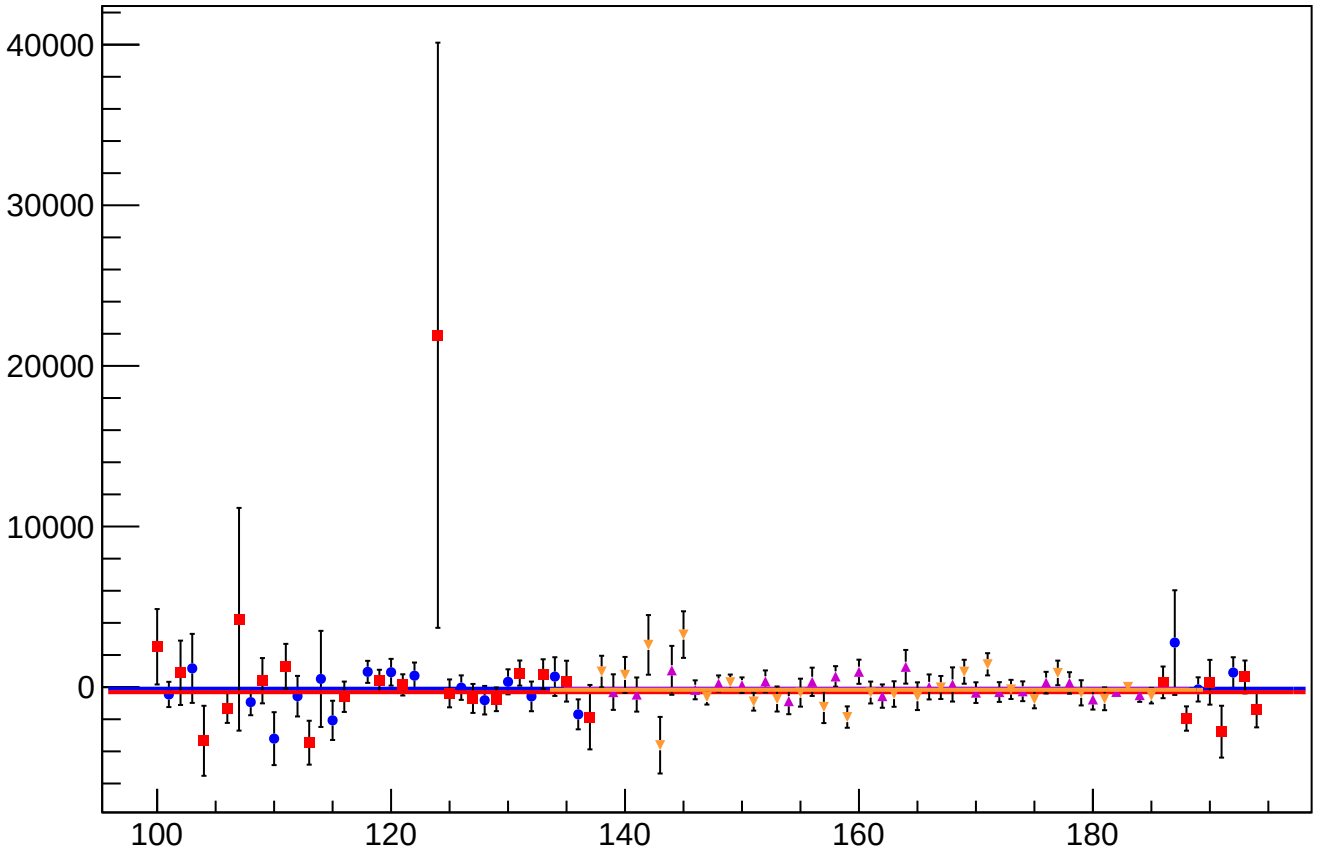
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1935.928+/-0.313 χ^2/NDF: 1330674.6/43

In: 1849.367+/-0.252 χ^2/NDF:703194.5/41

Out: 1830.419+/-0.237 χ^2/NDF:935365.8/49

All: 1839.315+/-0.173 χ^2/NDF: 1641559.2/91



Right In: -98.117+/-219.424 χ^2/NDF: 19.2/18

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: -315.111+/-211.280 χ^2/NDF: 30.0/24

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

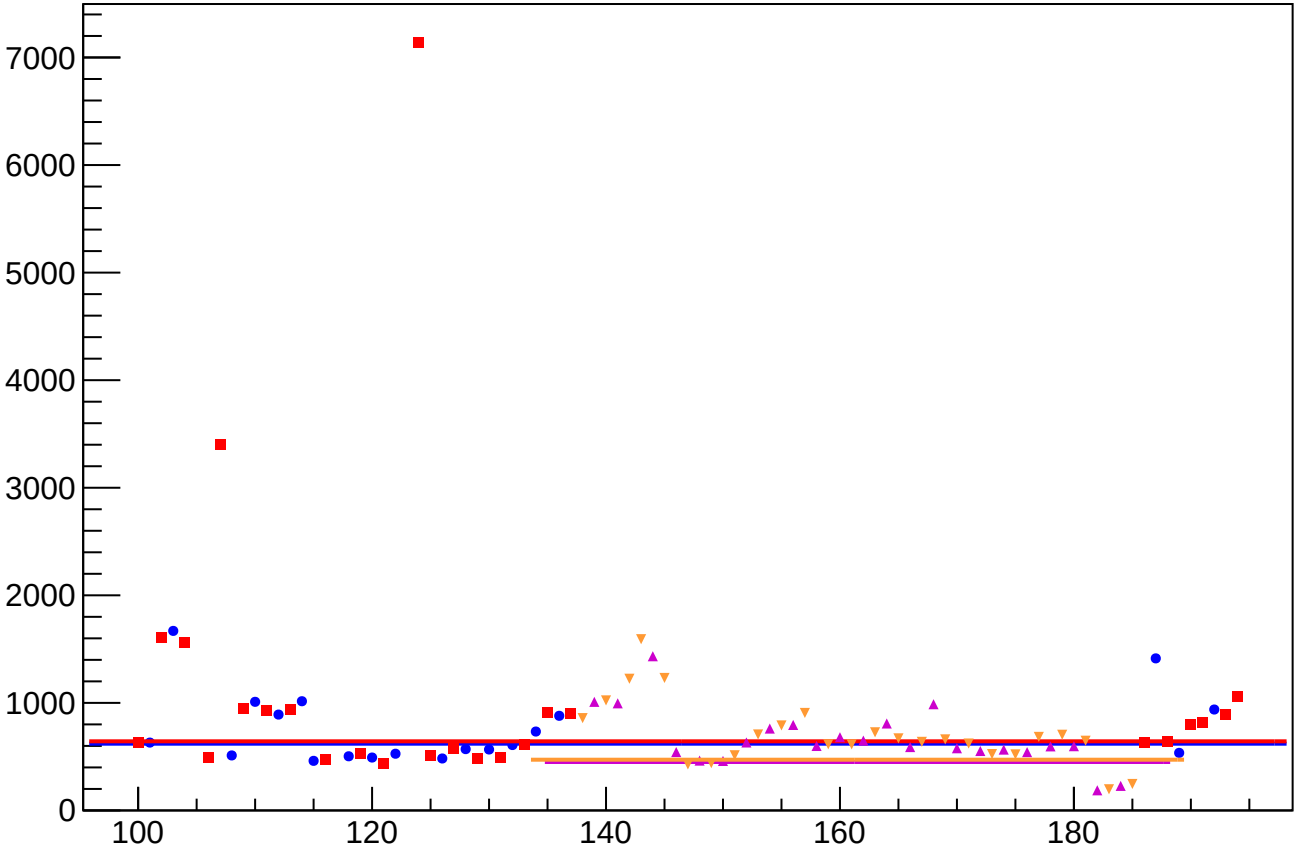
Right: -210.715+/-152.195 χ^2/NDF: 49.7/43

In: -112.828+/-105.130 χ^2/NDF:31.5/41

Out: -204.549+/-105.410 χ^2/NDF:68.7/49

All: -158.567+/-74.437 χ^2/NDF: 100.6/91

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 620.749+/-0.155 χ^2/NDF: 1536353.7/18

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 642.751+/-0.149 χ^2/NDF: 2840365.7/24

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

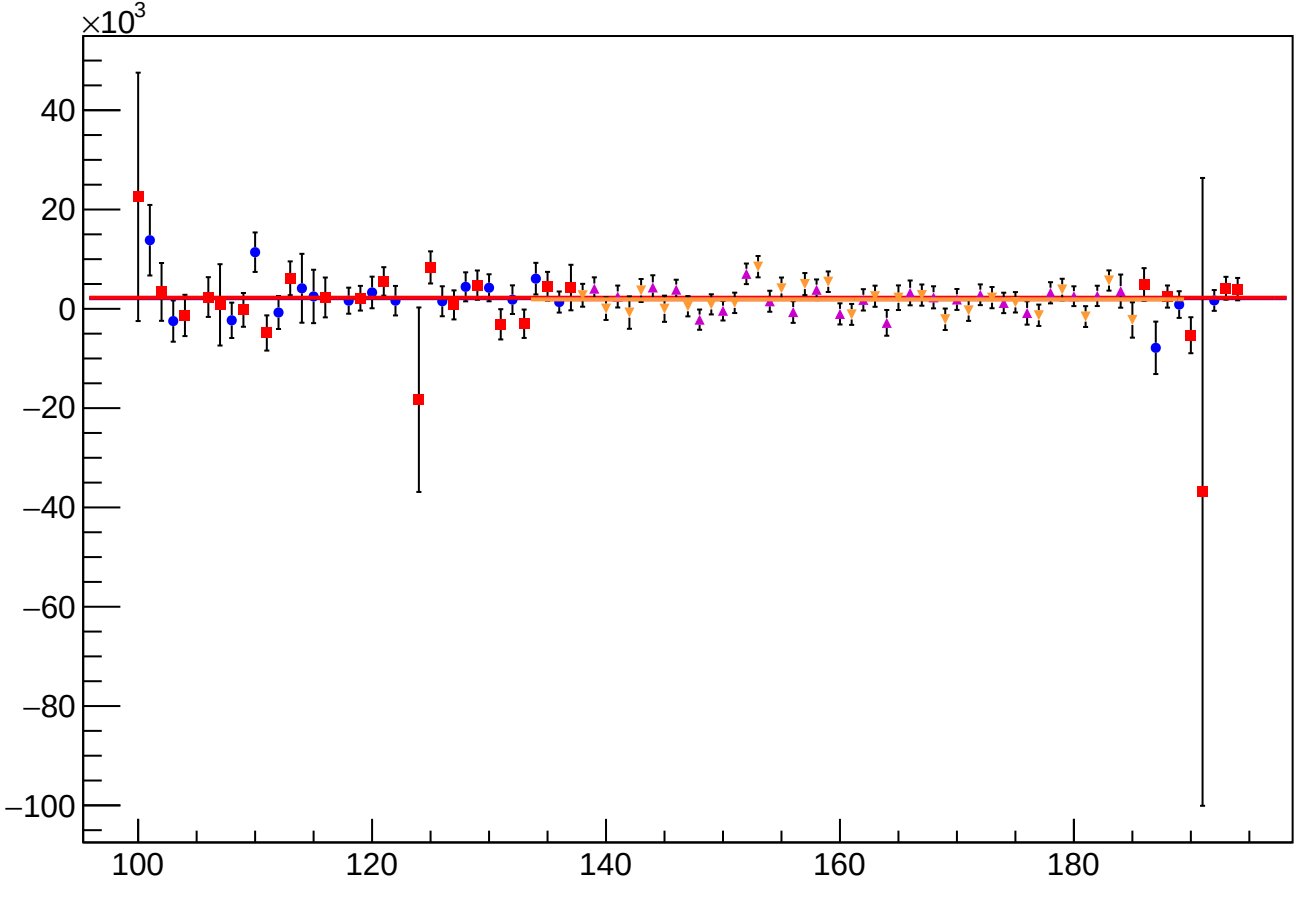
Right: 632.166+/-0.108 χ^2/NDF: 4387153.6/43

In: 489.699+/-0.074 χ^2/NDF:10390636.9/41

Out: 514.335+/-0.075 χ^2/NDF:11936726.5/49

All: 501.984+/-0.053 χ^2/NDF: 22382130.5/91

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2141.502+/-720.192 χ^2/NDF: 18.7/18

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: 2238.332+/-667.264 χ^2/NDF: 28.3/24

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

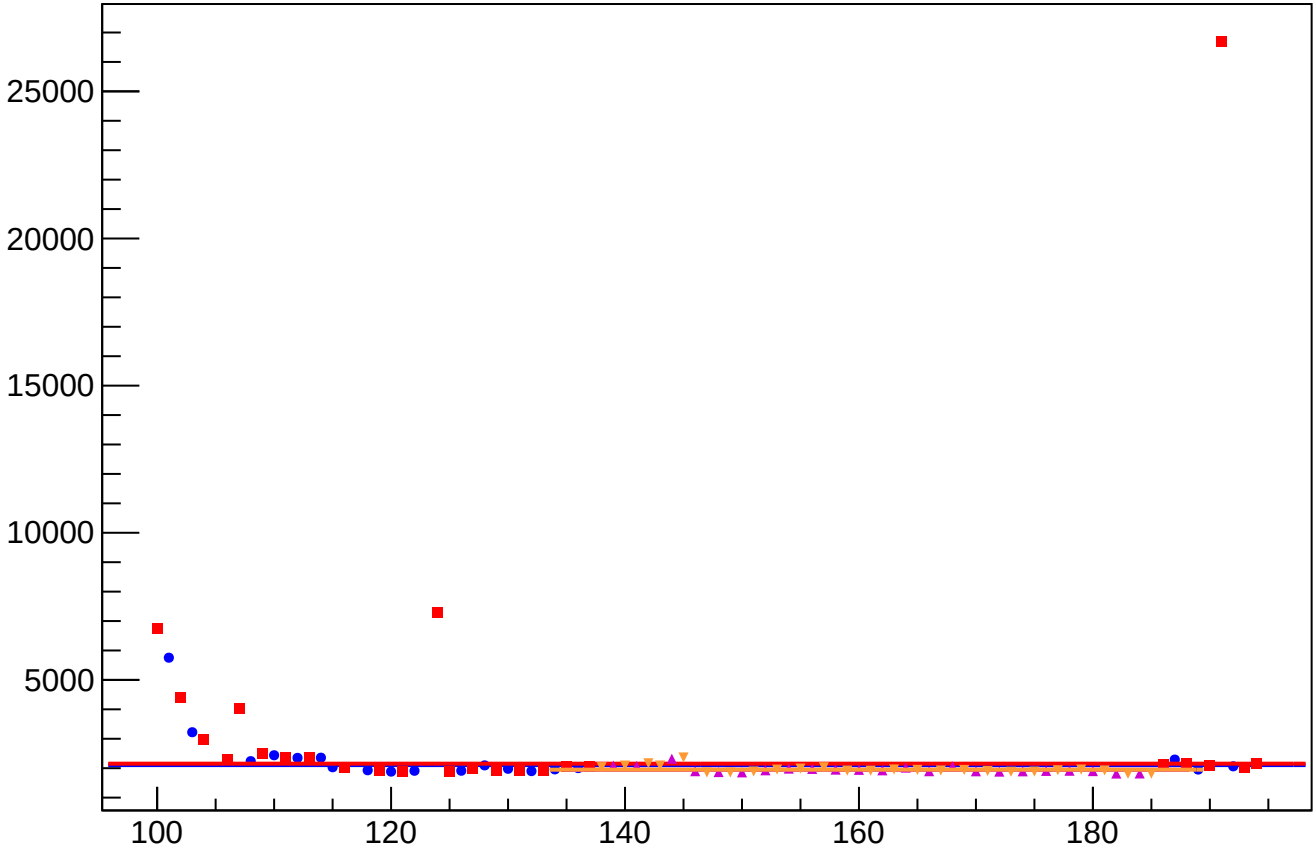
Right: 2193.605+/-489.470 χ^2/NDF: 47.1/43

In: 1987.861+/-384.590 χ^2/NDF:43.6/41

Out: 2008.785+/-369.370 χ^2/NDF:64.8/49

All: 1998.746+/-266.402 χ^2/NDF: 108.4/91

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2105.158+/-0.509 χ^2/NDF: 770424.8/18

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

Right Out: 2153.312+/-0.472 χ^2/NDF: 1137039.7/24

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

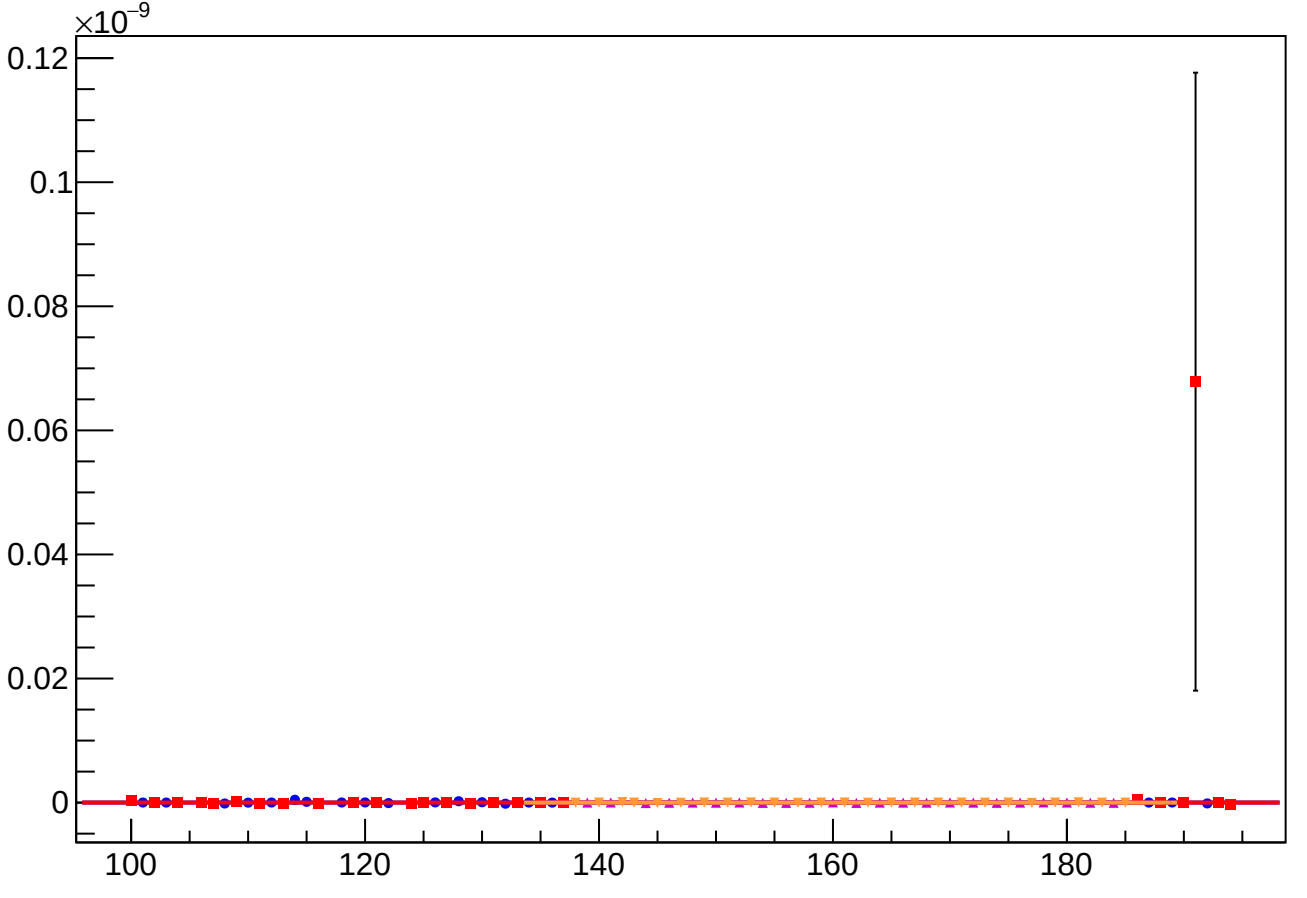
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2131.069+/-0.346 χ^2/NDF: 1912275.9/43

In: 1990.766+/-0.272 χ^2/NDF:936964.9/41

Out: 2011.608+/-0.261 χ^2/NDF:1375614.0/49

All: 2001.608+/-0.188 χ^2/NDF: 2315634.3/91



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/24

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

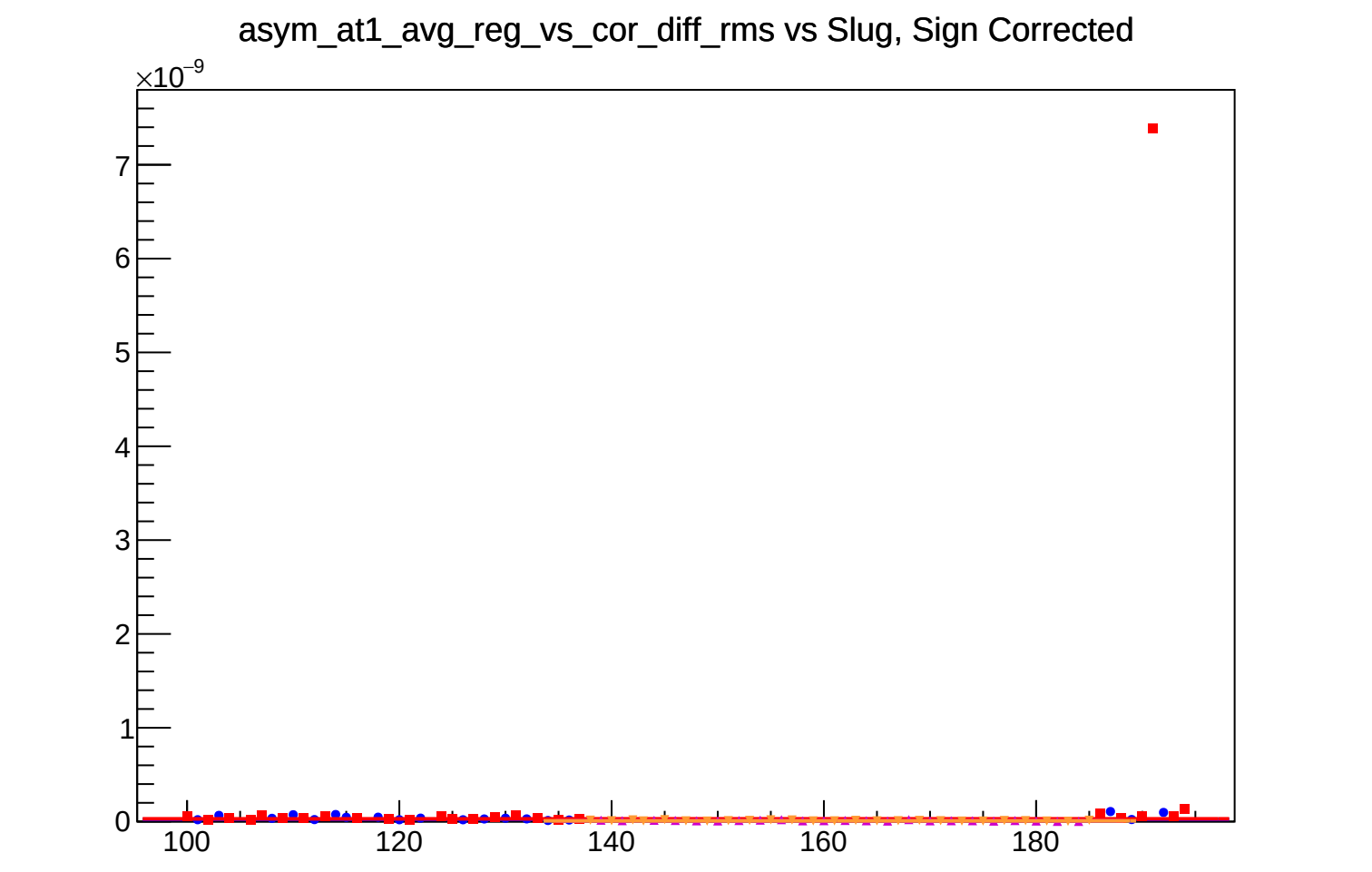
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 42.1/43

In: -0.000+/-0.000 χ^2/NDF:51.0/41

Out: 0.000+/-0.000 χ^2/NDF:52.5/49

All: -0.000+/-0.000 χ^2/NDF: 104.0/91



Right In: 0.000+/-0.000 χ^2/NDF: 1728714.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1715756.5/24

Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4774854.4/47

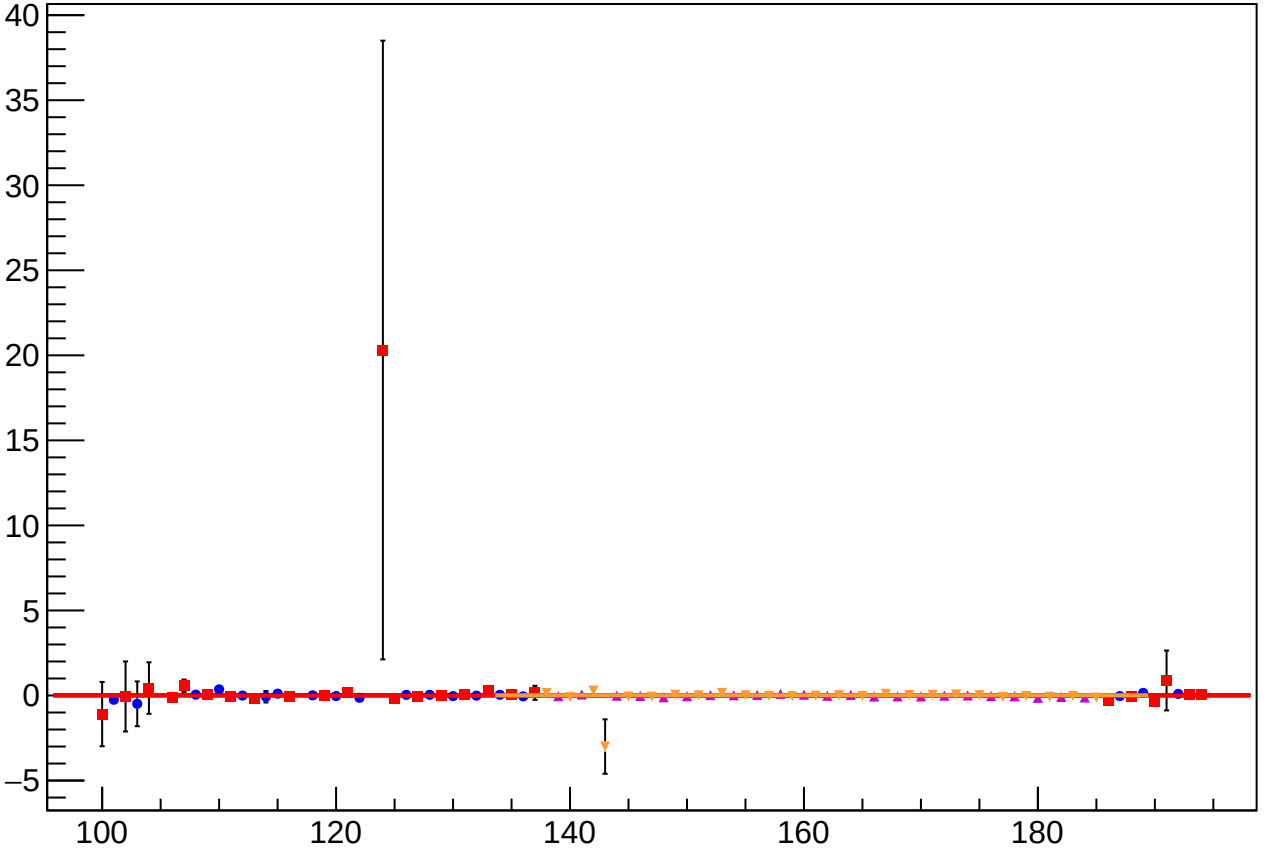
Right: 0.000+/-0.000 χ^2/NDF: 3619590.9/43

In: 0.000+/-0.000 χ^2/NDF:6519121.7/41

Out: 0.000+/-0.000 χ^2/NDF:7041524.1/49

All: 0.000+/-0.000 χ^2/NDF: 13562077.8/91

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.024 χ^2/NDF: 13.9/18

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.012+/-0.023 χ^2/NDF: 23.8/24

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

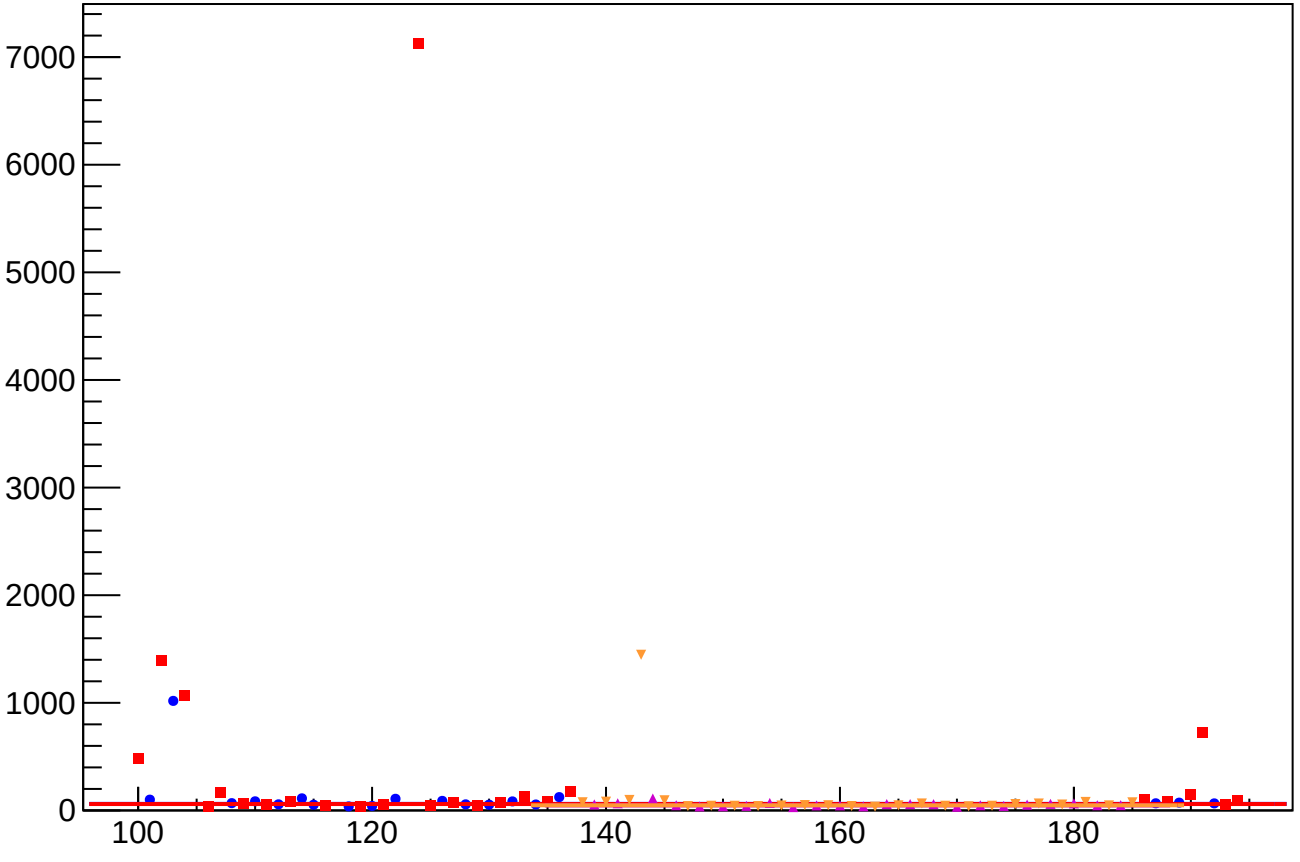
Right: 0.002+/-0.017 χ^2/NDF: 38.6/43

In: -0.011+/-0.011 χ^2/NDF:36.0/41

Out: 0.006+/-0.011 χ^2/NDF:54.3/49

All: -0.002+/-0.008 χ^2/NDF: 91.4/91

asym_at1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.058+/-0.017 χ^2/NDF: 2567243.5/18

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 59.623+/-0.016 χ^2/NDF: 4516268.1/24

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

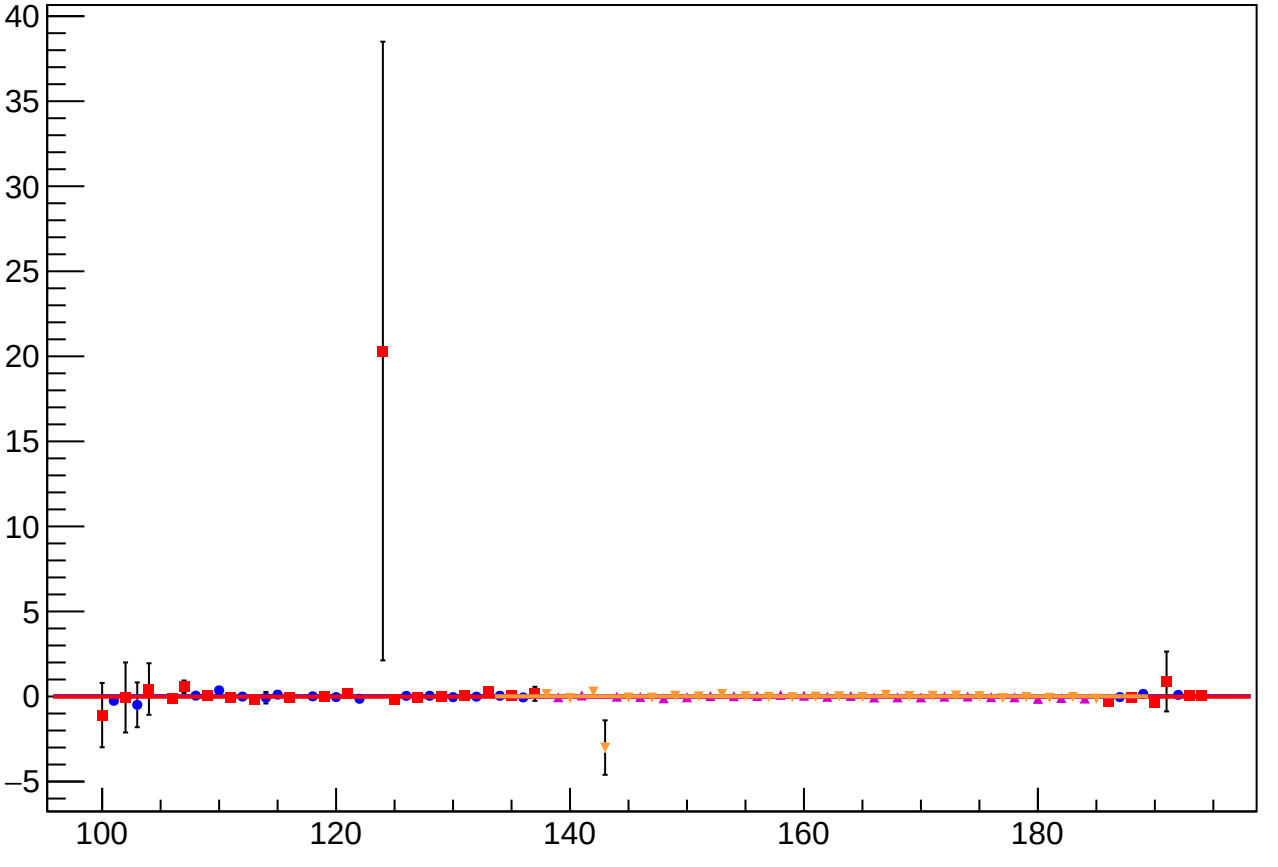
Right: 60.287+/-0.012 χ^2/NDF: 7087239.0/43

In: 49.667+/-0.008 χ^2/NDF:5064427.6/41

Out: 50.628+/-0.008 χ^2/NDF:8425739.7/49

All: 50.150+/-0.005 χ^2/NDF: 13497895.0/91

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.024 χ^2/NDF: 13.9/18

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.012+/-0.023 χ^2/NDF: 23.8/24

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

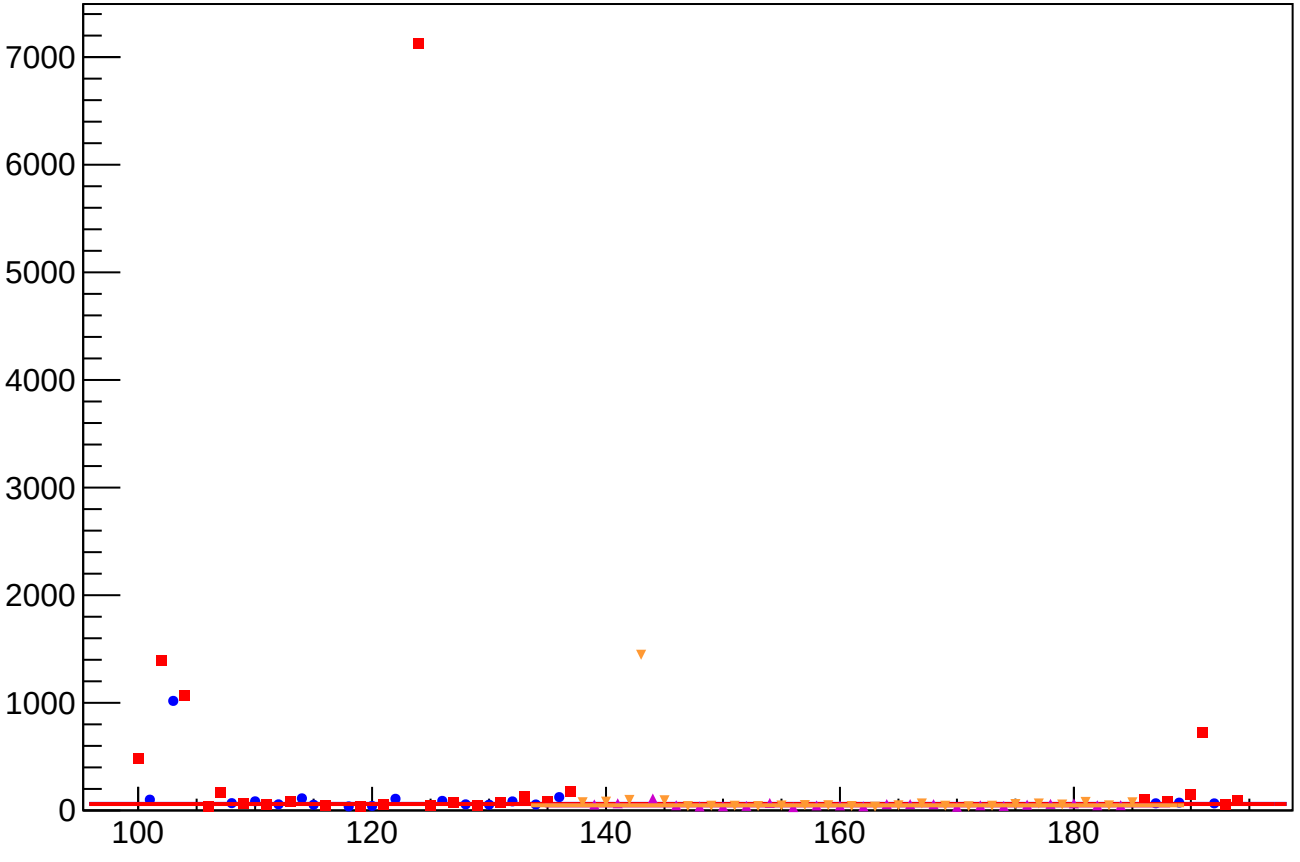
Right: 0.002+/-0.017 χ^2/NDF: 38.6/43

In: -0.011+/-0.011 χ^2/NDF:36.0/41

Out: 0.006+/-0.011 χ^2/NDF:54.3/49

All: -0.002+/-0.008 χ^2/NDF: 91.4/91

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.058+/-0.017 χ^2/NDF: 2567243.5/18

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 59.623+/-0.016 χ^2/NDF: 4516268.1/24

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

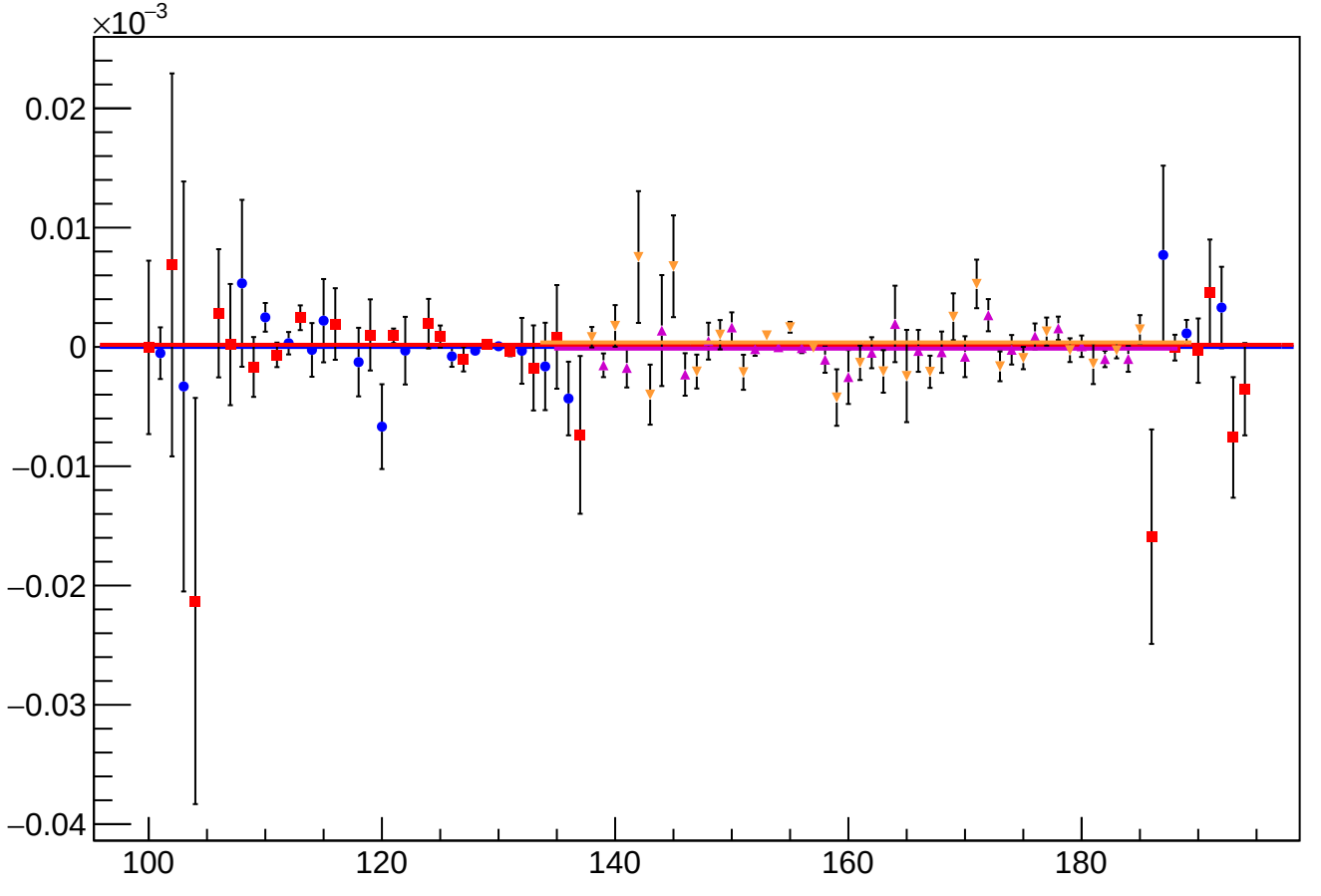
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 60.287+/-0.012 χ^2/NDF: 7087239.0/43

In: 49.667+/-0.008 χ^2/NDF:5064427.6/41

Out: 50.628+/-0.008 χ^2/NDF:8425739.7/49

All: 50.150+/-0.005 χ^2/NDF: 13497895.0/91



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/24

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

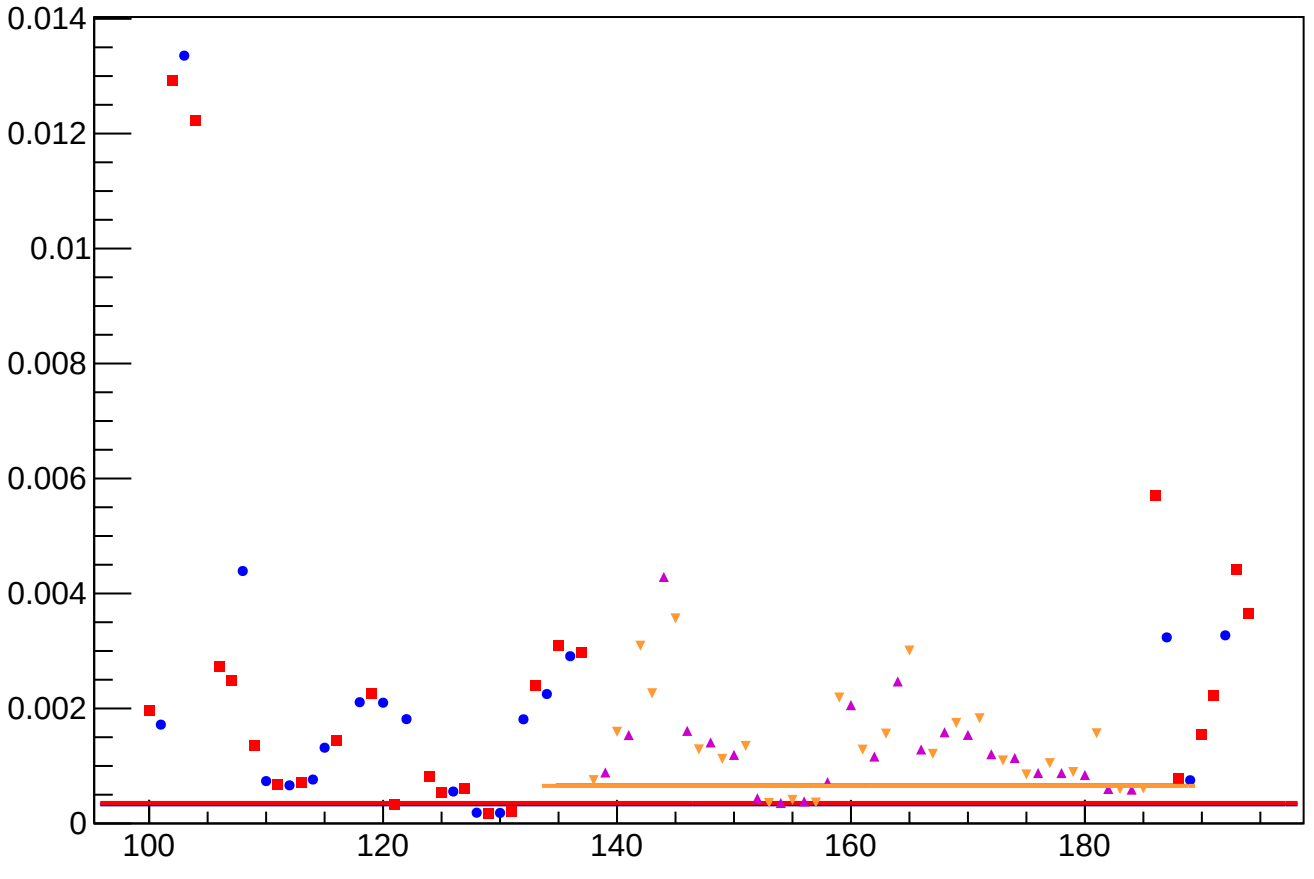
Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

Right: 0.000+/-0.000 χ^2/NDF: 39.6/43

In: -0.000+/-0.000 χ^2/NDF:36.0/41

Out: 0.000+/-0.000 χ^2/NDF:75.5/49

All: 0.000+/-0.000 χ^2/NDF: 115.2/91



Right In: 0.000+/-0.000 χ^2/NDF: 10843061.4/18

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12609300.8/24

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21780521.8/47

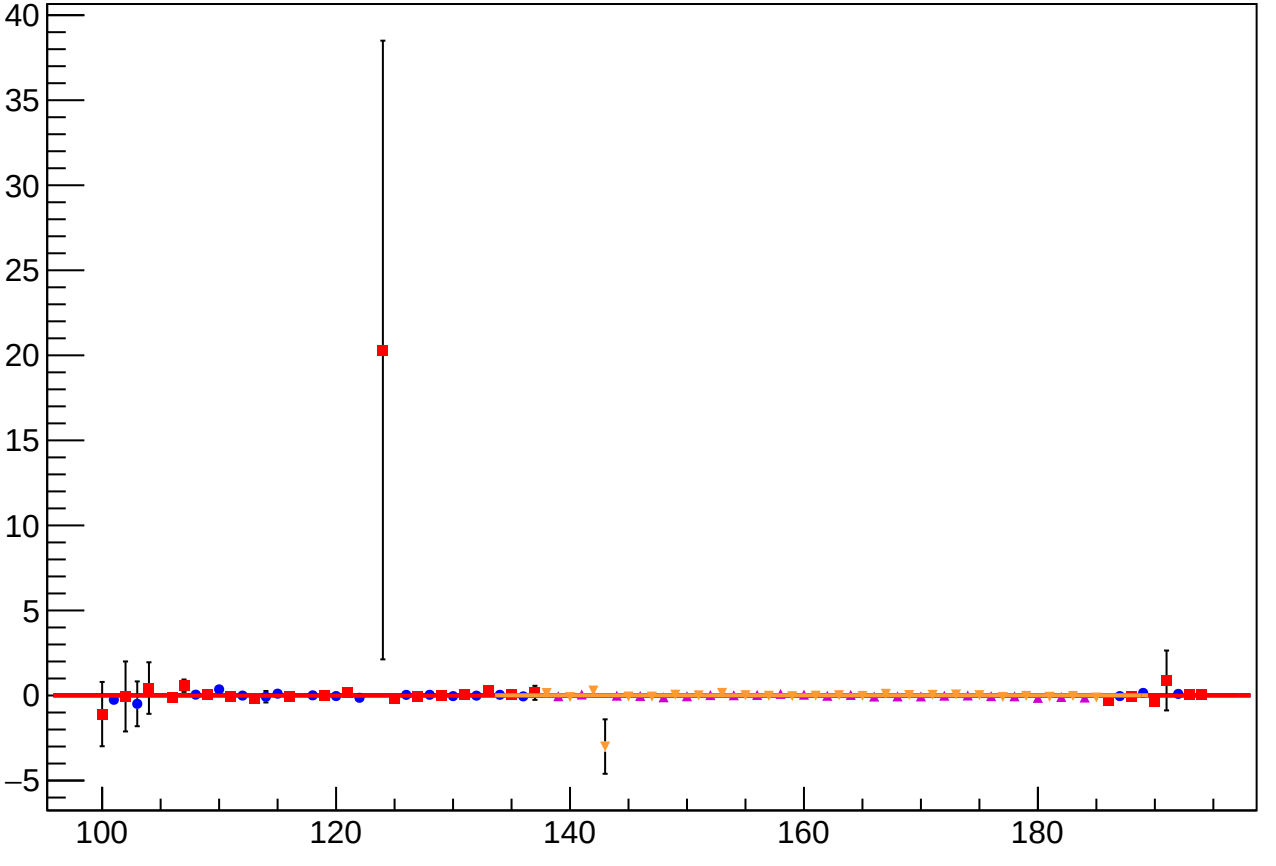
Right: 0.000+/-0.000 χ^2/NDF: 23469874.9/43

In: 0.000+/-0.000 χ^2/NDF:23561469.0/41

Out: 0.001+/-0.000 χ^2/NDF:27247707.7/49

All: 0.001+/-0.000 χ^2/NDF: 50817169.1/91

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.024 χ^2/NDF: 13.9/18

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.012+/-0.023 χ^2/NDF: 23.8/24

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

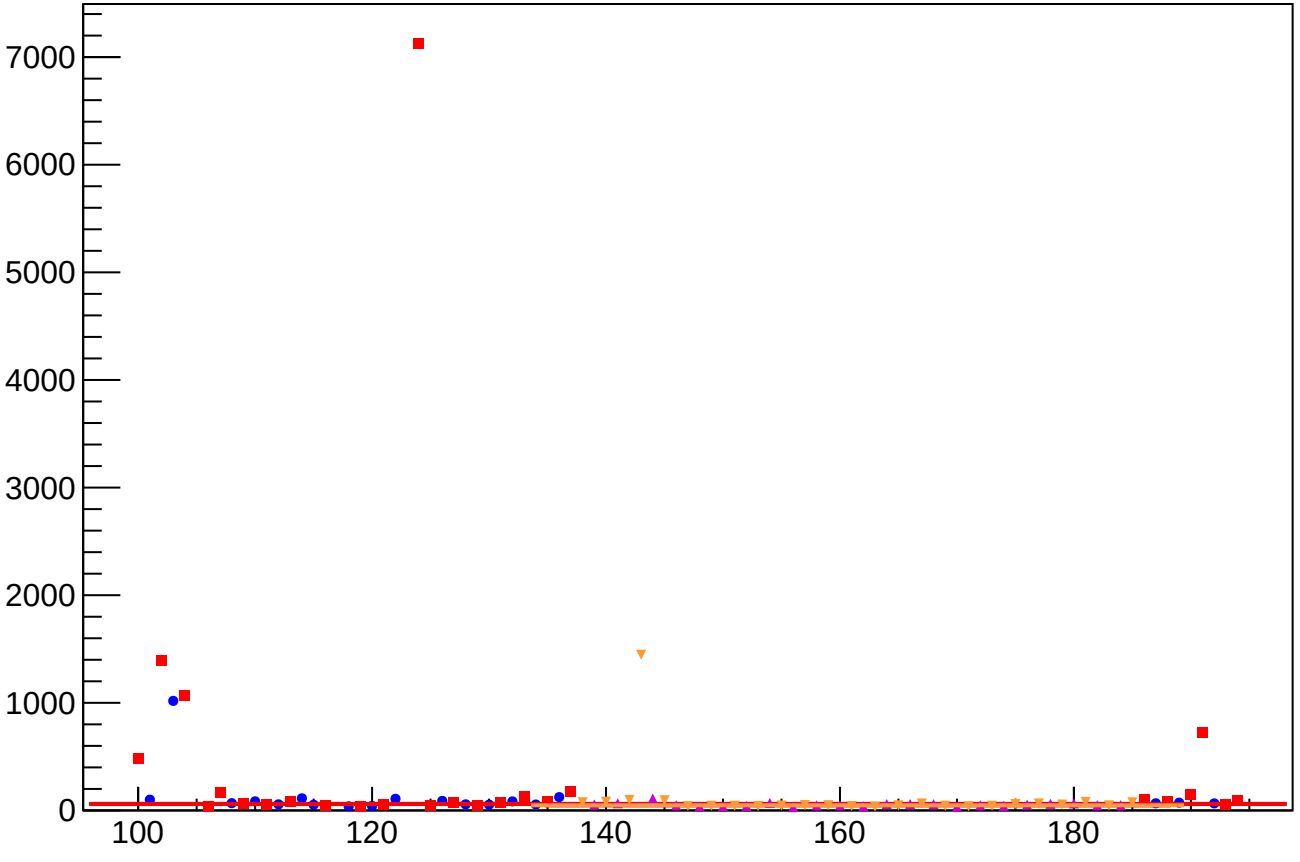
Right: 0.002+/-0.017 χ^2/NDF: 38.6/43

In: -0.011+/-0.011 χ^2/NDF:36.0/41

Out: 0.006+/-0.011 χ^2/NDF:54.3/49

All: -0.002+/-0.008 χ^2/NDF: 91.4/91

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.058+/-0.017 χ^2/NDF: 2567261.4/18

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 59.622+/-0.016 χ^2/NDF: 4516378.2/24

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

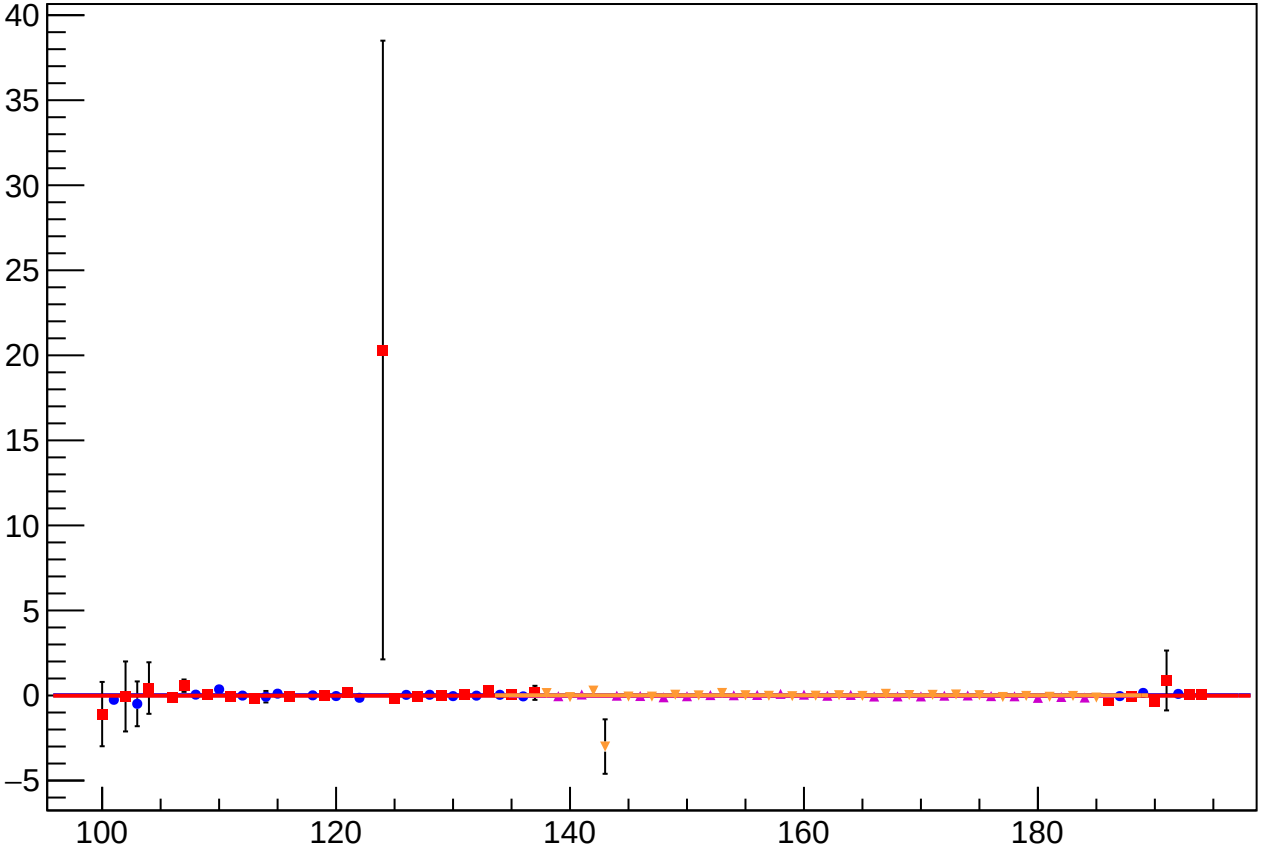
Right: 60.286+/-0.012 χ^2/NDF: 7087372.0/43

In: 49.667+/-0.008 χ^2/NDF:5064434.1/41

Out: 50.628+/-0.008 χ^2/NDF:8425742.0/49

All: 50.150+/-0.005 χ^2/NDF: 13497904.0/91

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.024 χ^2/NDF: 13.9/18

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.012+/-0.023 χ^2/NDF: 23.8/24

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

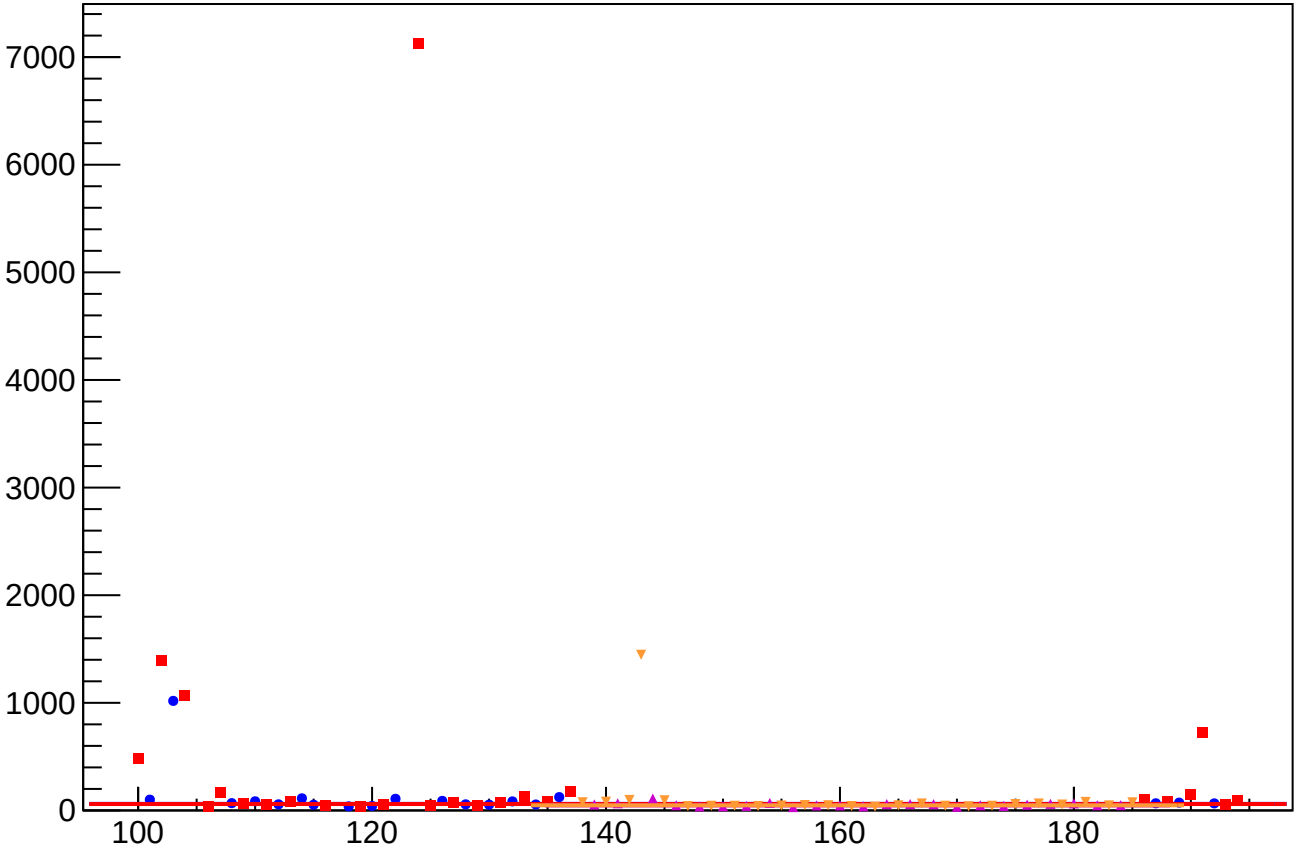
Right: 0.002+/-0.017 χ^2/NDF: 38.6/43

In: -0.011+/-0.011 χ^2/NDF:36.0/41

Out: 0.006+/-0.011 χ^2/NDF:54.3/49

All: -0.002+/-0.008 χ^2/NDF: 91.4/91

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.058+/-0.017 χ^2/NDF: 2567261.4/18

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 59.622+/-0.016 χ^2/NDF: 4516378.2/24

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

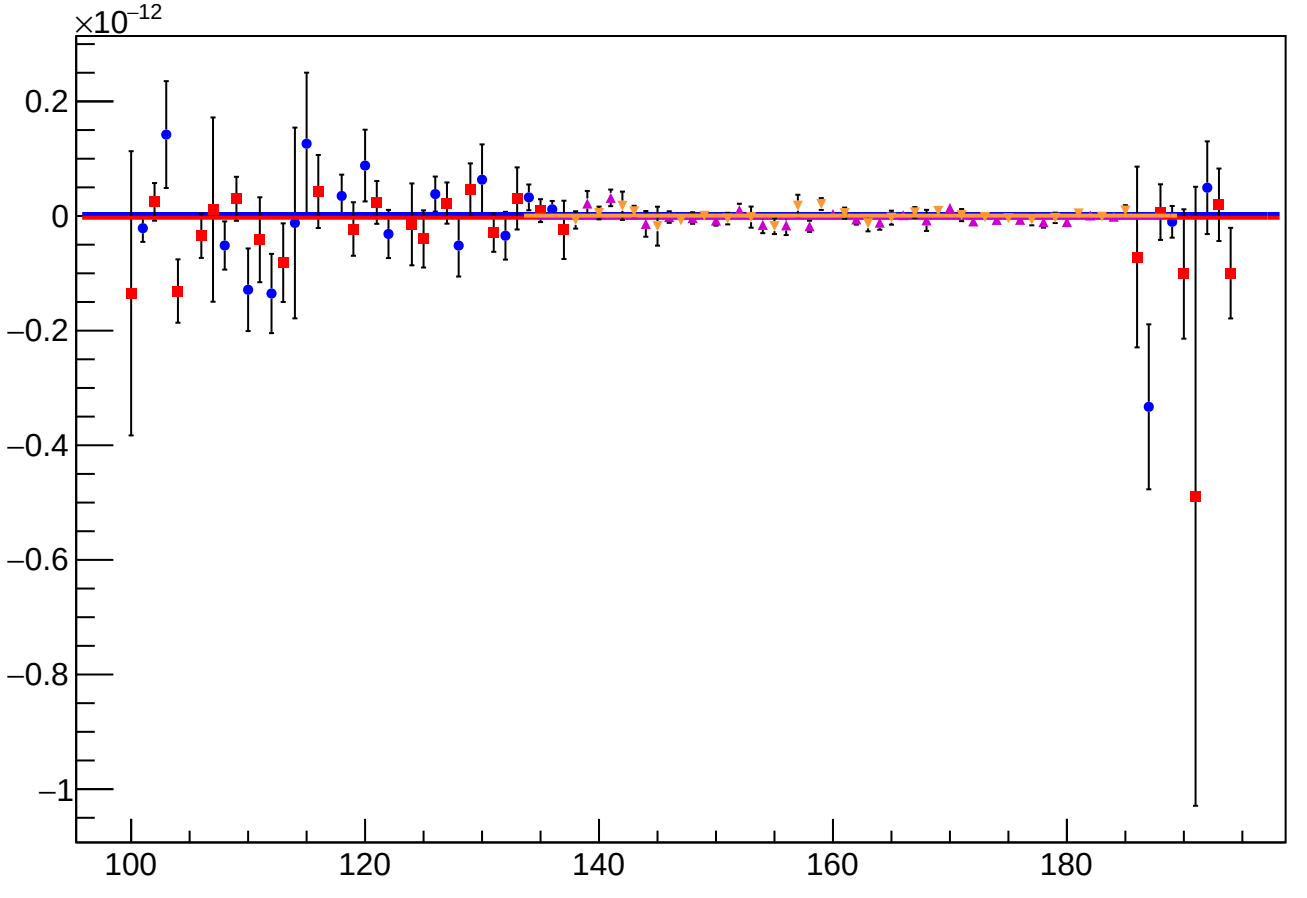
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 60.286+/-0.012 χ^2/NDF: 7087372.0/43

In: 49.667+/-0.008 χ^2/NDF:5064434.1/41

Out: 50.628+/-0.008 χ^2/NDF:8425742.0/49

All: 50.150+/-0.005 χ^2/NDF: 13497904.0/91



Right In: 0.000+/-0.000 χ^2/NDF: 28.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.7/24

Left In: -0.000+/-0.000 χ^2/NDF:21.8/22

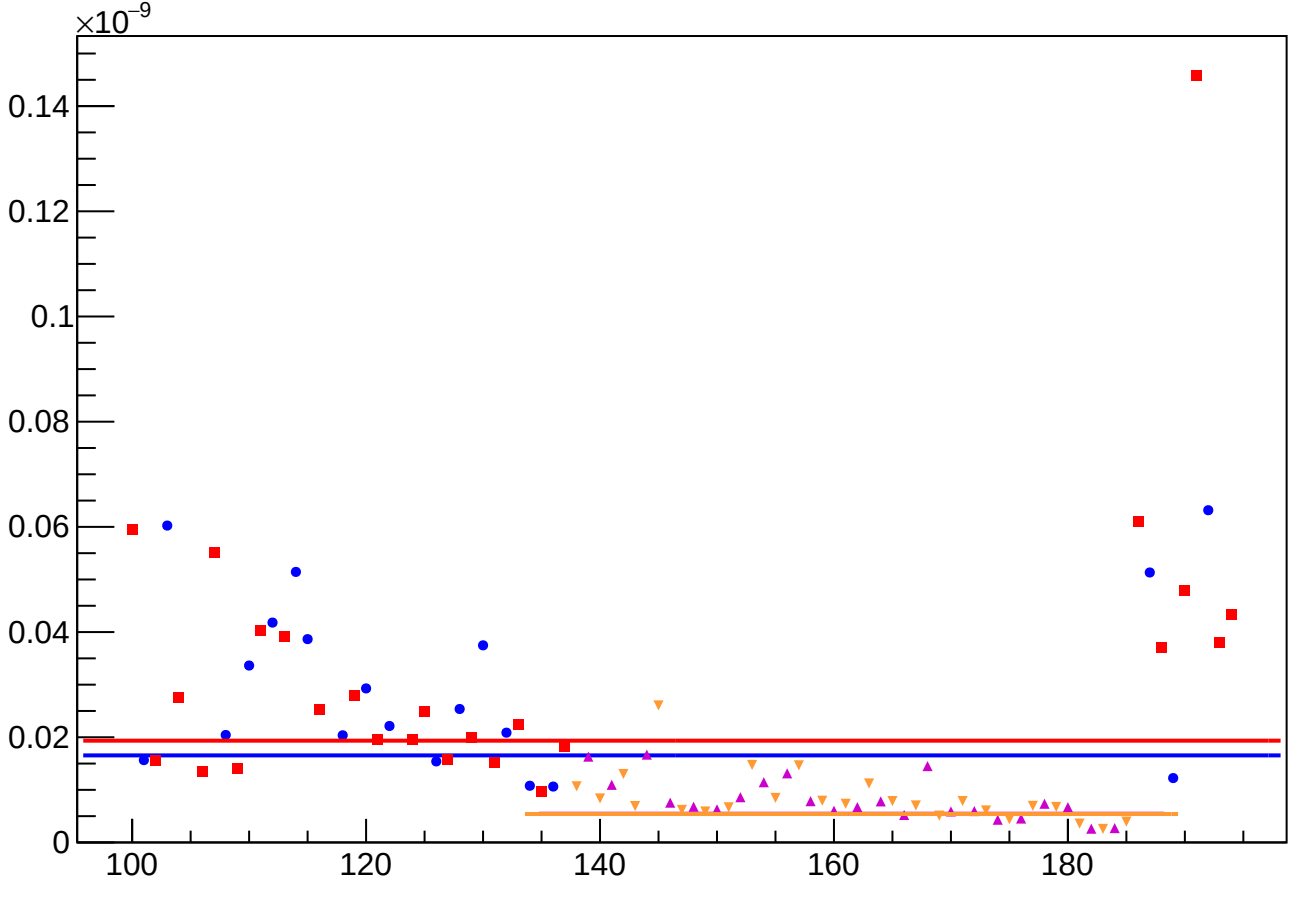
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 46.7/43

In: -0.000+/-0.000 χ^2/NDF:51.0/41

Out: 0.000+/-0.000 χ^2/NDF:33.0/49

All: -0.000+/-0.000 χ^2/NDF: 85.5/91



Right In: 0.000+/-0.000 χ^2/NDF: 2725932.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2277579.4/24

Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

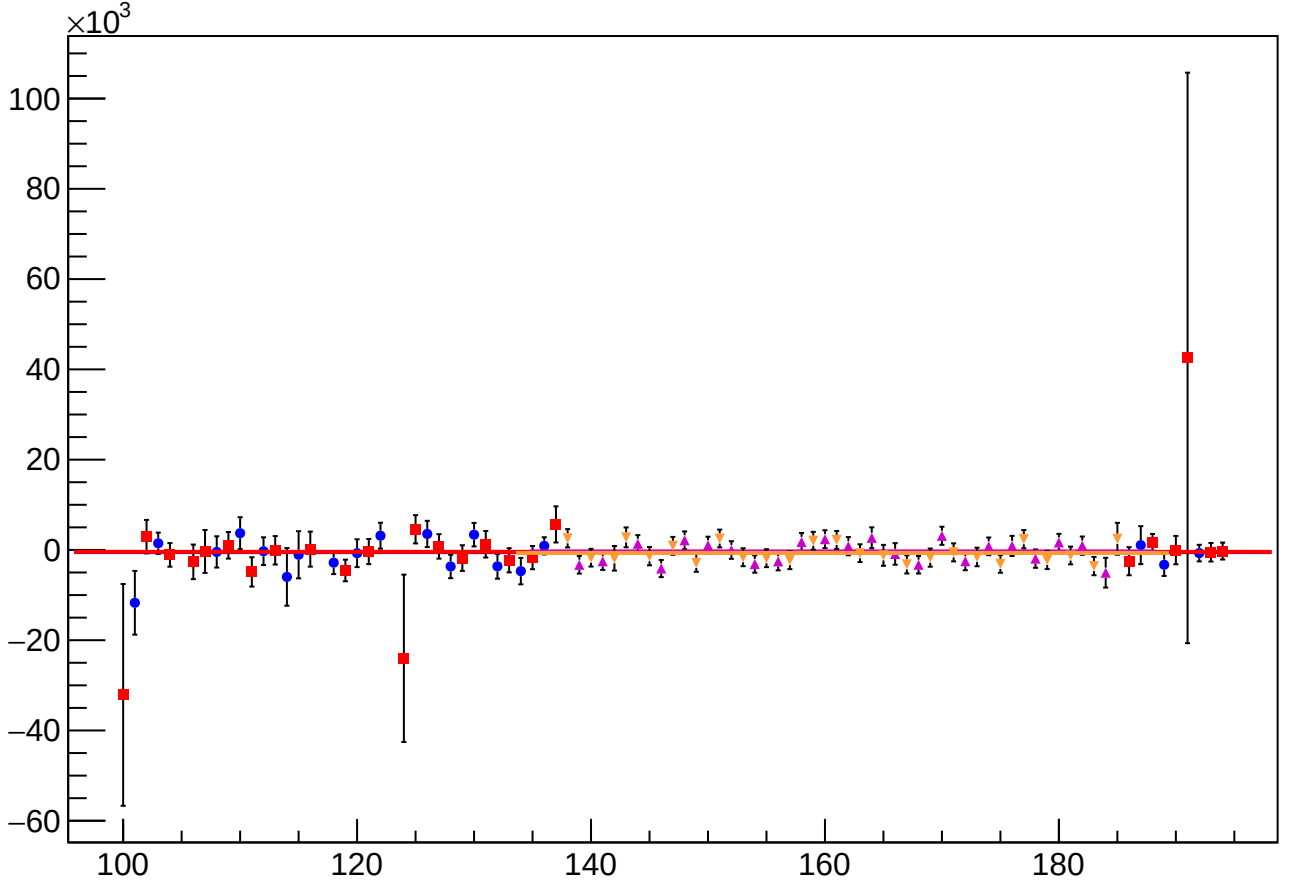
Left: 0.000+/-0.000 χ^2/NDF: 10041467.9/47

Right: 0.000+/-0.000 χ^2/NDF: 5104702.4/43

In: 0.000+/-0.000 χ^2/NDF:11130053.4/41

Out: 0.000+/-0.000 χ^2/NDF:11711188.4/49

All: 0.000+/-0.000 χ^2/NDF: 22844822.6/91



Right In: -485.442+/-650.062 χ^2/NDF: 18.8/18

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: -422.107+/-593.556 χ^2/NDF: 18.0/24

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

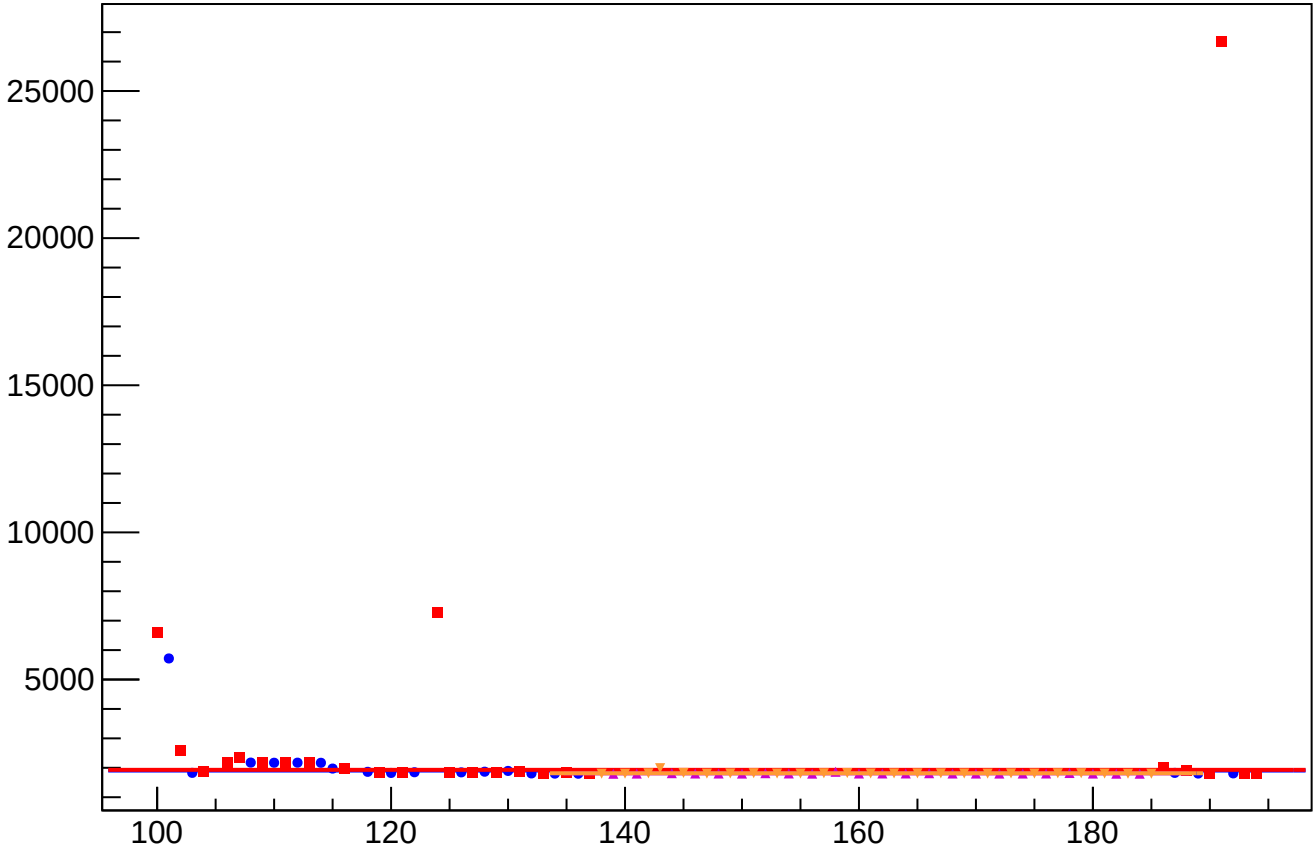
Right: -450.903+/-438.325 χ^2/NDF: 36.8/43

In: -385.293+/-354.377 χ^2/NDF:48.9/41

Out: -589.372+/-338.570 χ^2/NDF:42.9/49

All: -491.985+/-244.803 χ^2/NDF: 91.9/91

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1907.238+/-0.460 χ^2/NDF: 652319.6/18

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1930.447+/-0.420 χ^2/NDF: 714648.2/24

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

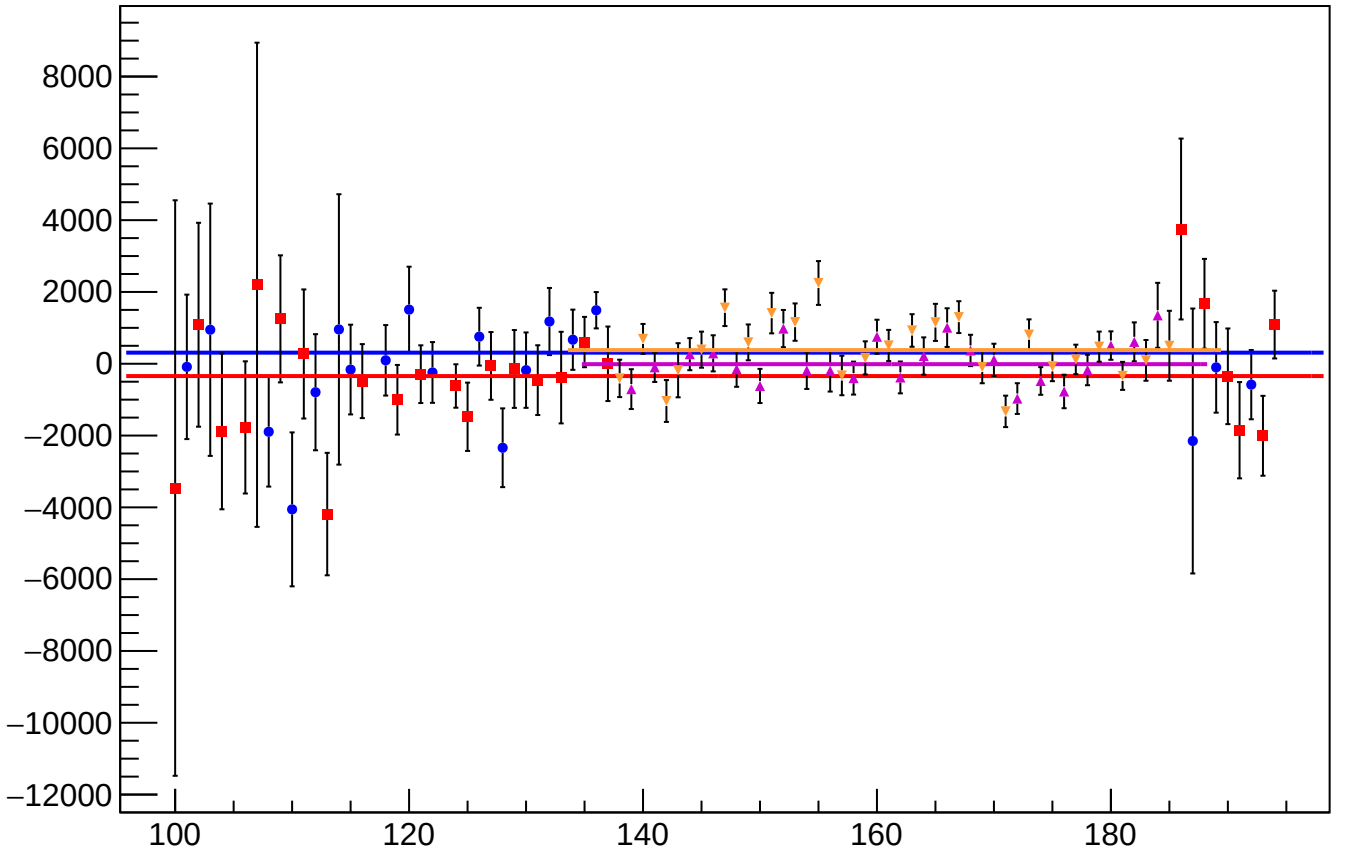
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1919.895+/-0.310 χ^2/NDF: 1368358.2/43

In: 1839.219+/-0.251 χ^2/NDF:685442.9/41

Out: 1852.181+/-0.239 χ^2/NDF:779295.5/49

All: 1845.996+/-0.173 χ^2/NDF: 1466137.3/91



Right In: 309.305+/-244.465 χ^2/NDF: 22.7/18

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: -343.294+/-226.507 χ^2/NDF: 22.9/24

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

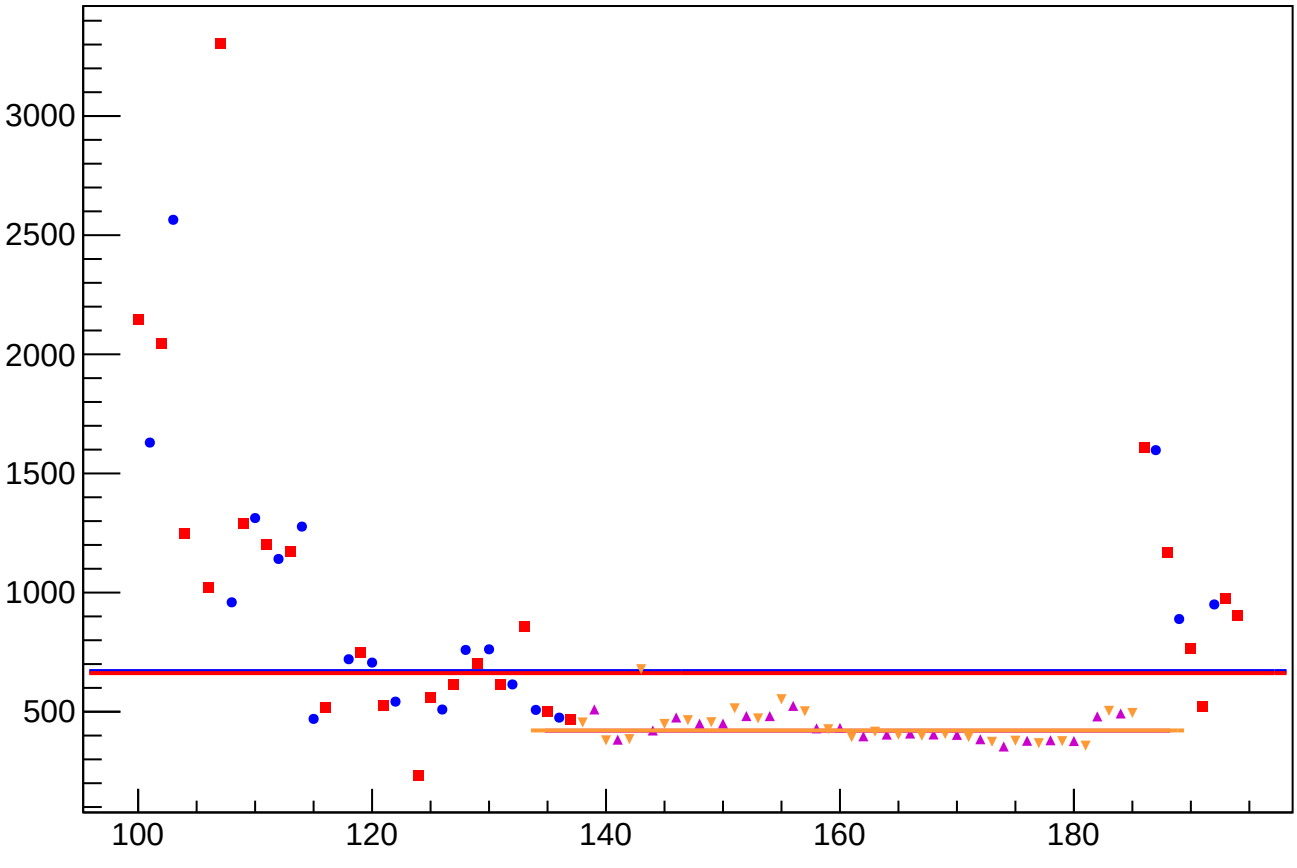
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: -41.841+/-166.151 χ^2/NDF: 49.4/43

In: 33.656+/-91.742 χ^2/NDF:55.3/41

Out: 267.338+/-89.178 χ^2/NDF:93.8/49

All: 153.808+/-63.946 χ^2/NDF: 152.4/91



Right In: 670.527+/-0.173 χ^2/NDF: 2455557.6/18

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 662.050+/-0.160 χ^2/NDF: 3998129.8/24

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

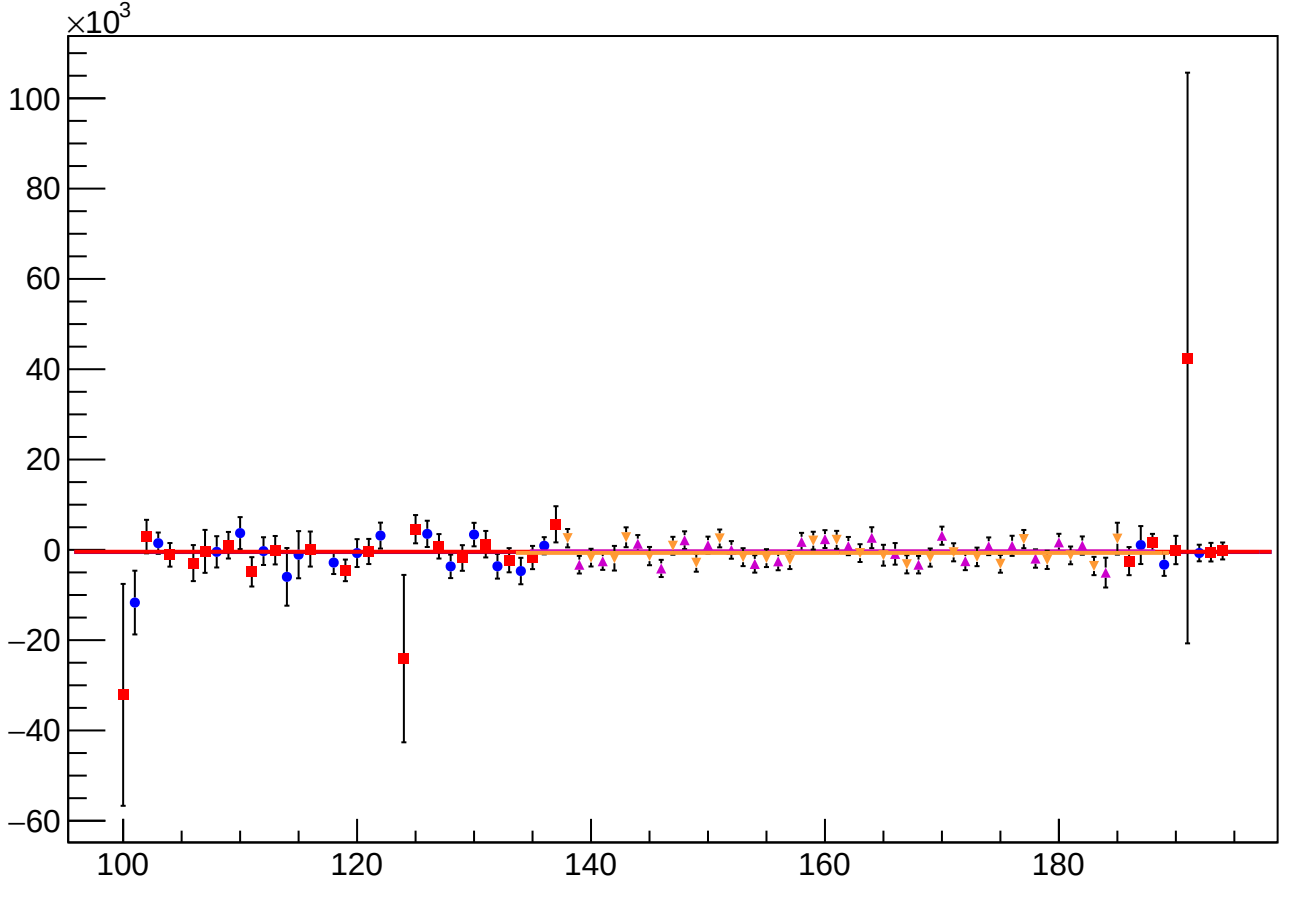
Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

Right: 665.966+/-0.117 χ^2/NDF: 6454981.6/43

In: 455.474+/-0.065 χ^2/NDF:4670102.5/41

Out: 458.716+/-0.063 χ^2/NDF:6648525.4/49

All: 457.141+/-0.045 χ^2/NDF: 11319912.5/91



Right In: -484.799+/-650.062 χ^2/NDF: 18.8/18

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -424.773+/-594.119 χ^2/NDF: 18.1/24

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

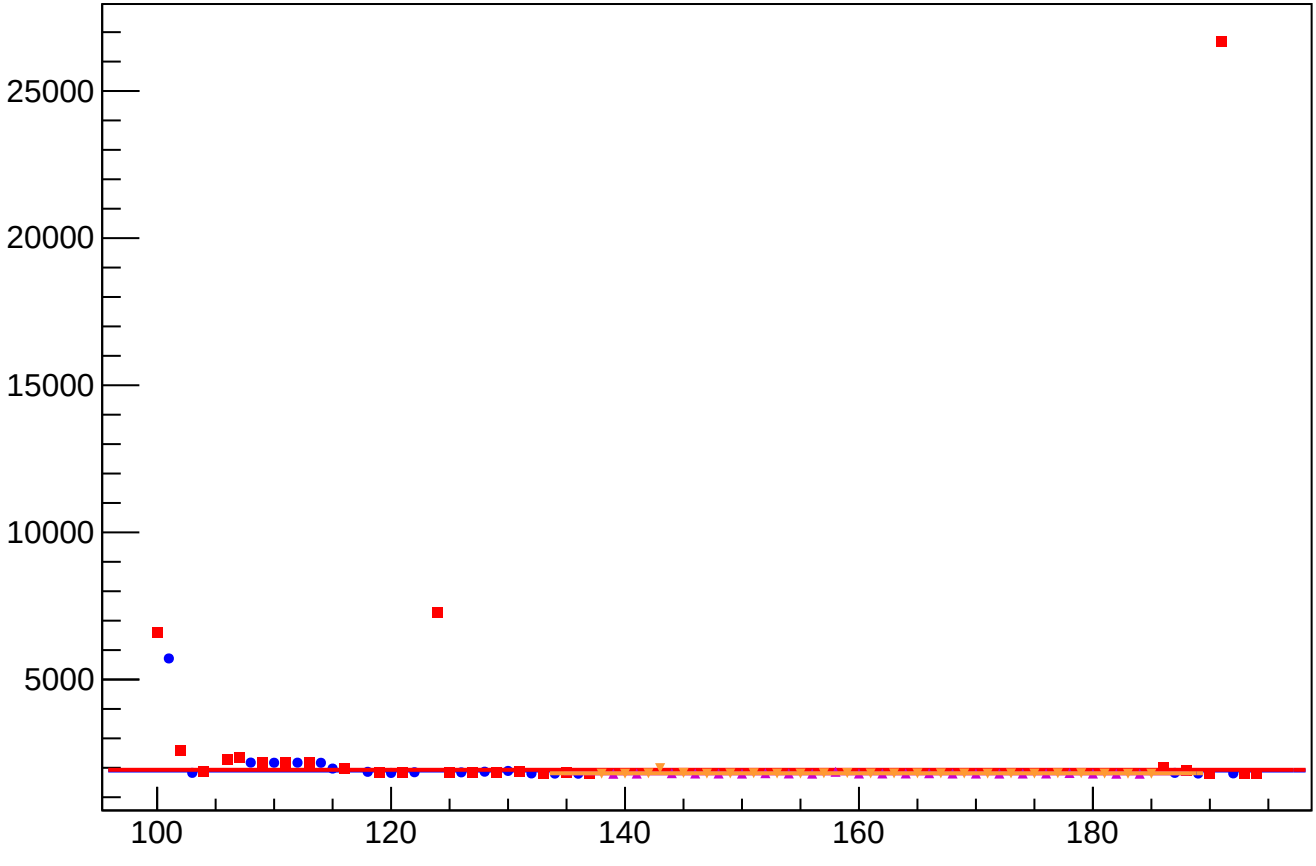
Right: -452.092+/-438.552 χ^2/NDF: 36.8/43

In: -385.132+/-354.377 χ^2/NDF:48.9/41

Out: -590.334+/-338.674 χ^2/NDF:42.9/49

All: -492.381+/-244.842 χ^2/NDF: 92.0/91

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1907.238+/-0.460 χ^2/NDF: 652319.5/18

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1931.774+/-0.420 χ^2/NDF: 720052.2/24

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

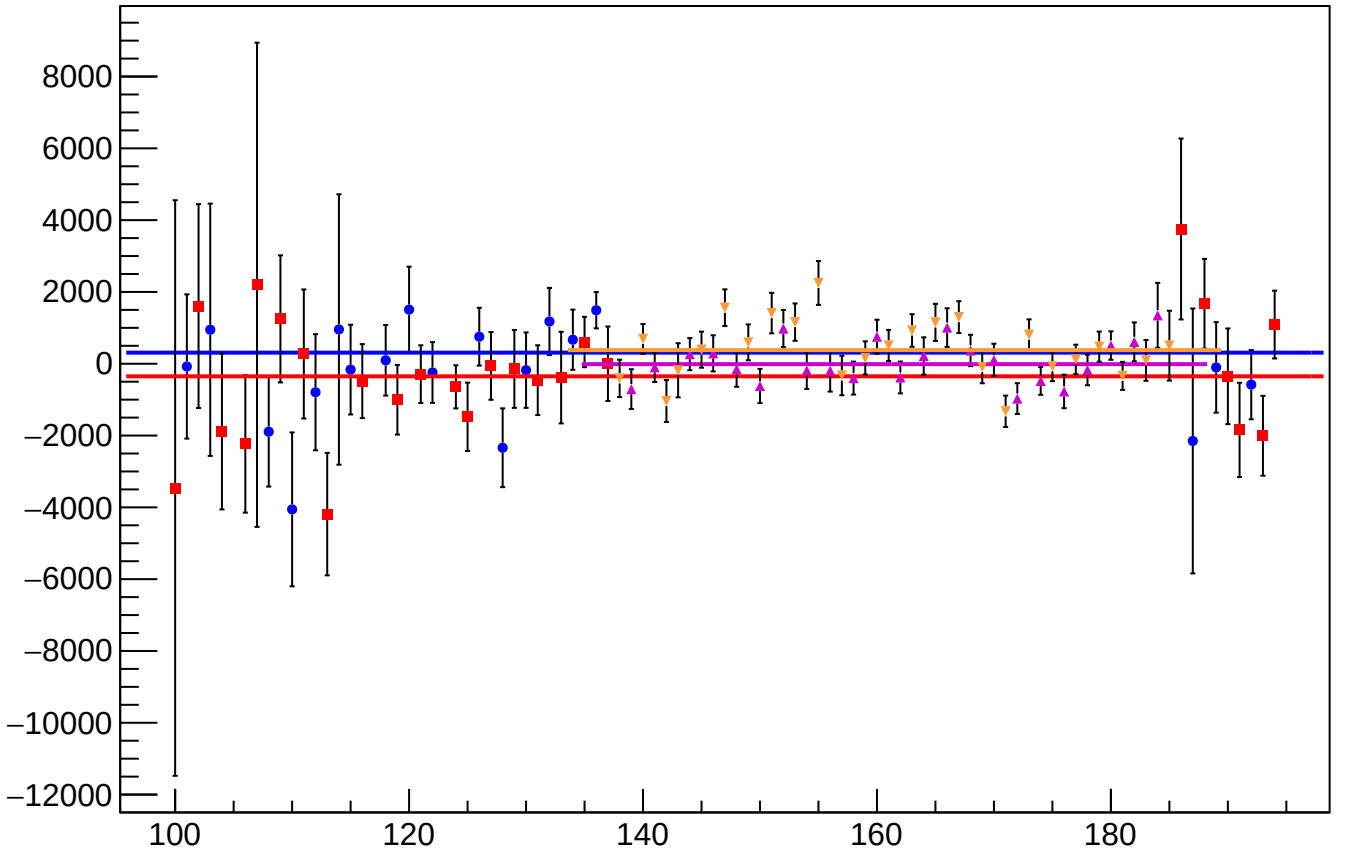
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1920.607+/-0.310 χ^2/NDF: 1373924.2/43

In: 1839.219+/-0.251 χ^2/NDF:685442.8/41

Out: 1852.564+/-0.239 χ^2/NDF:785818.0/49

All: 1846.194+/-0.173 χ^2/NDF: 1472743.2/91



Right In: 309.360+/-244.456 χ^2/NDF: 22.7/18

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -350.289+/-226.263 χ^2/NDF: 23.6/24

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

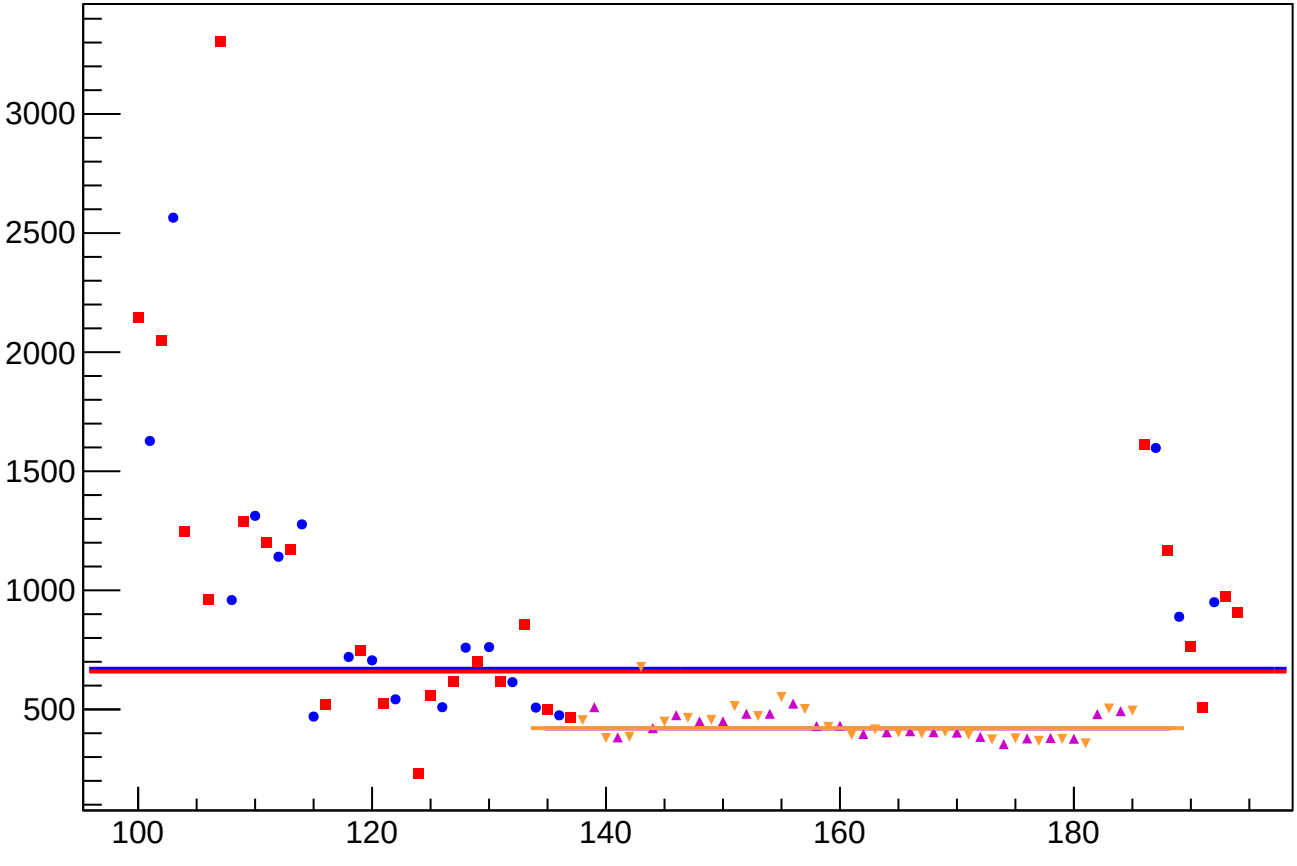
Right: -45.922+/-166.052 χ^2/NDF: 50.2/43

In: 33.656+/-91.741 χ^2/NDF:55.3/41

Out: 266.037+/-89.163 χ^2/NDF:94.7/49

All: 153.157+/-63.940 χ^2/NDF: 153.2/91

asym_at1_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 670.524+/-0.173 χ^2/NDF: 2454707.8/18

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 659.163+/-0.160 χ^2/NDF: 4001351.8/24

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

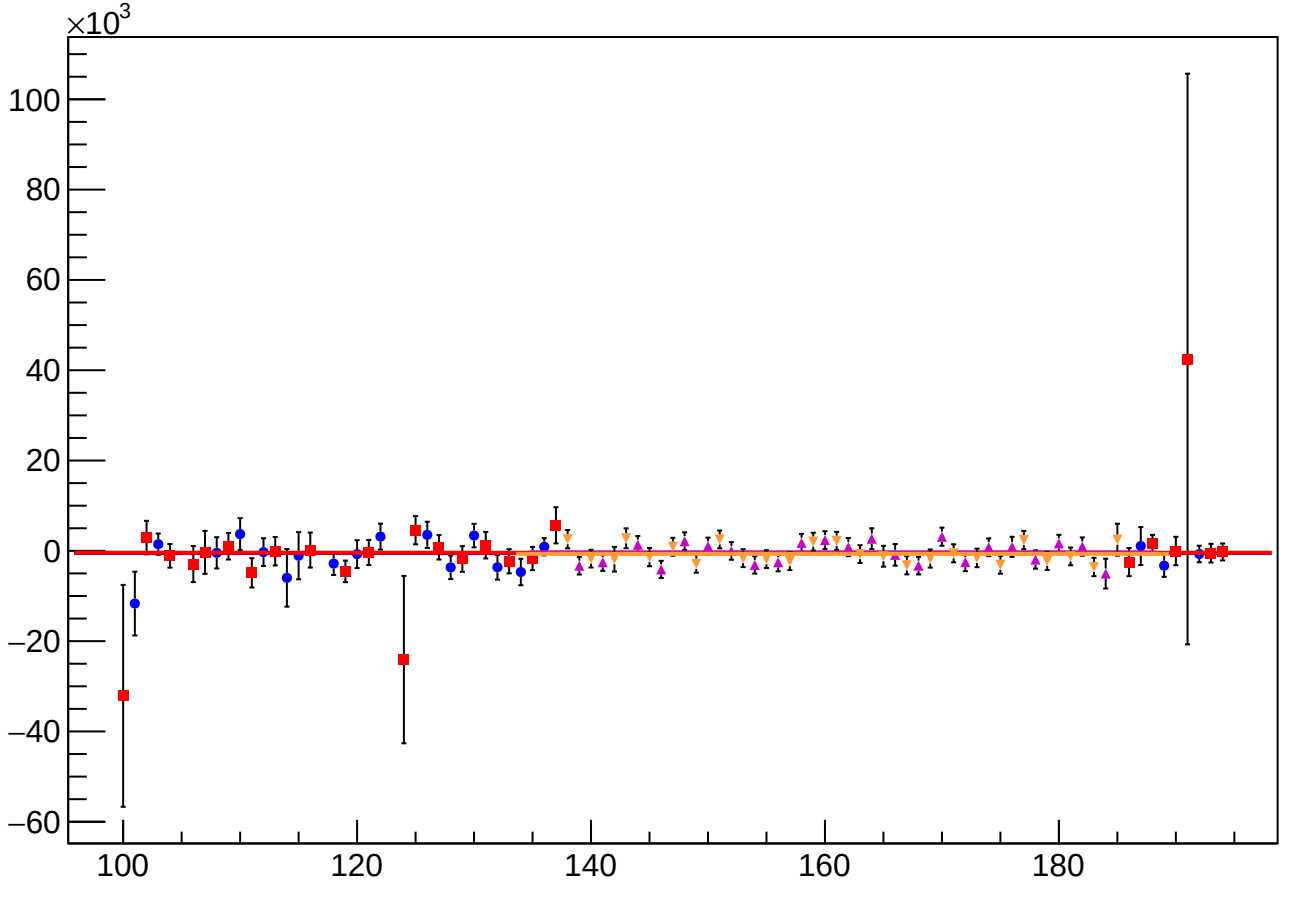
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 664.405+/-0.117 χ^2/NDF: 6458385.8/43

In: 455.471+/-0.065 χ^2/NDF:4669414.9/41

Out: 458.339+/-0.063 χ^2/NDF:6609555.0/49

All: 456.946+/-0.045 χ^2/NDF: 11279975.0/91



Right In: -484.799+/-650.062 χ^2/NDF: 18.8/18

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -424.773+/-594.119 χ^2/NDF: 18.1/24

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

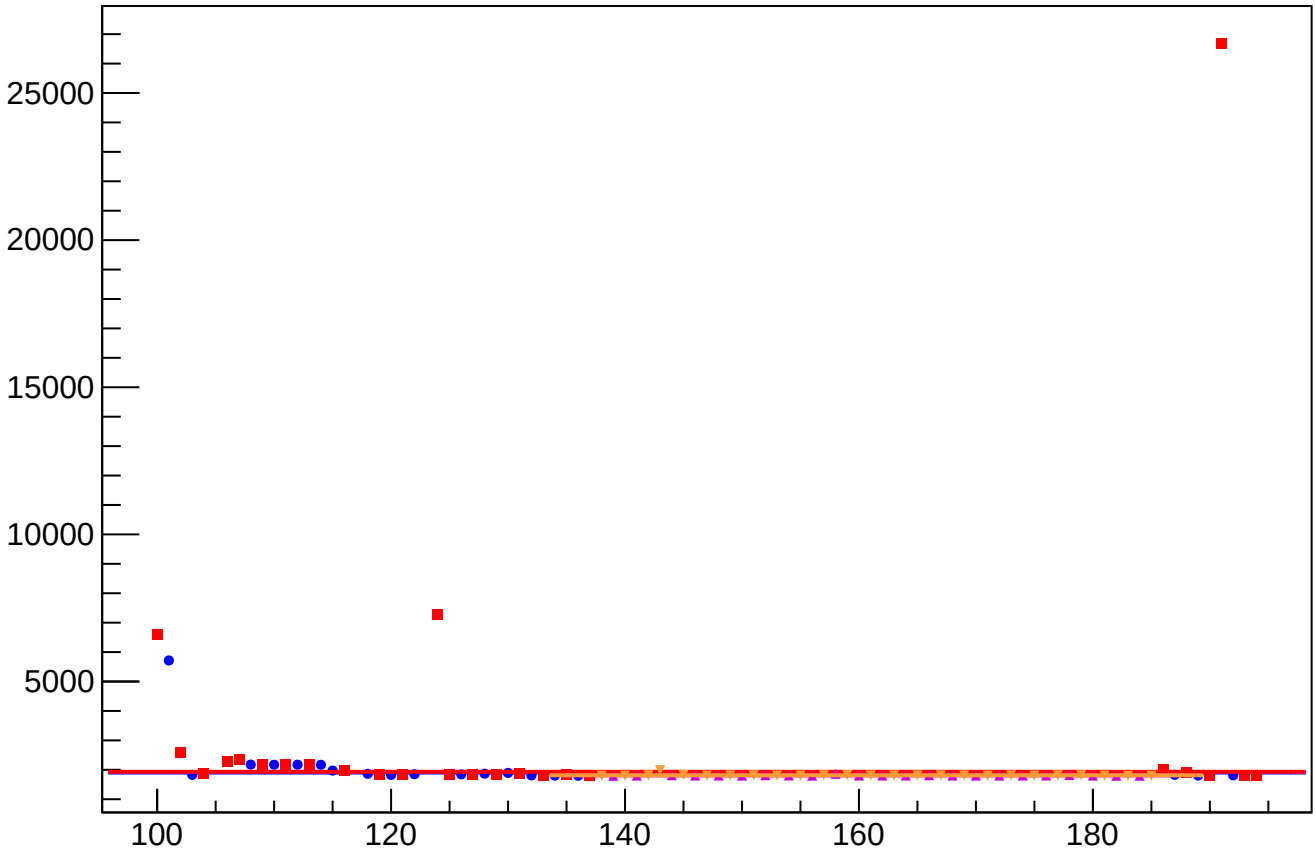
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -452.092+/-438.552 χ^2/NDF: 36.8/43

In: -385.132+/-354.377 χ^2/NDF:48.9/41

Out: -590.334+/-338.674 χ^2/NDF:42.9/49

All: -492.381+/-244.842 χ^2/NDF: 92.0/91



Right In: 1907.238+/-0.460 χ^2/NDF: 652319.5/18

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1931.774+/-0.420 χ^2/NDF: 720052.2/24

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

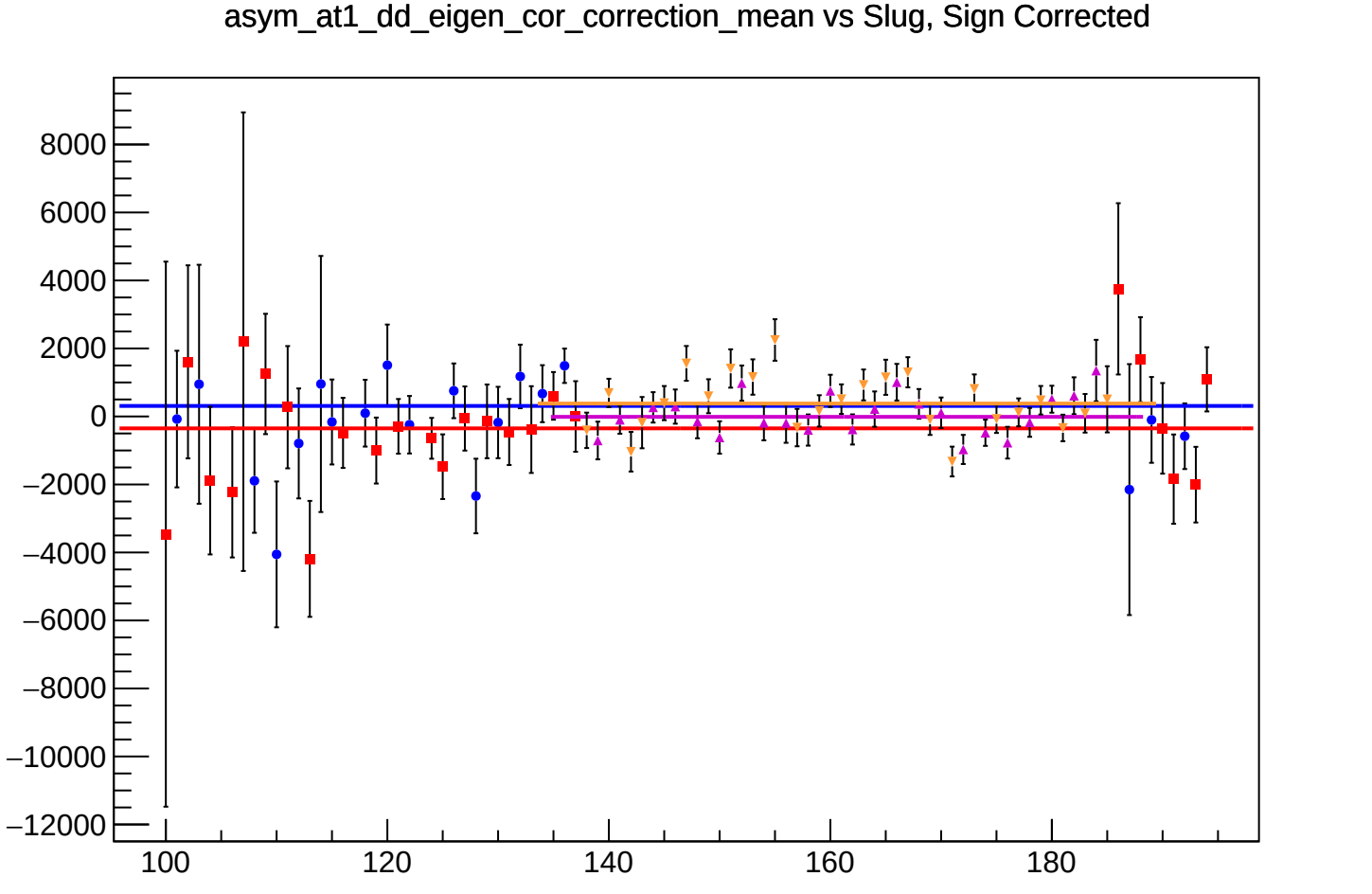
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1920.607+/-0.310 χ^2/NDF: 1373924.2/43

In: 1839.219+/-0.251 χ^2/NDF:685442.8/41

Out: 1852.564+/-0.239 χ^2/NDF:785818.0/49

All: 1846.194+/-0.173 χ^2/NDF: 1472743.2/91



Right In: 309.360+/-244.456 χ^2/NDF: 22.7/18

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -350.289+/-226.263 χ^2/NDF: 23.6/24

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

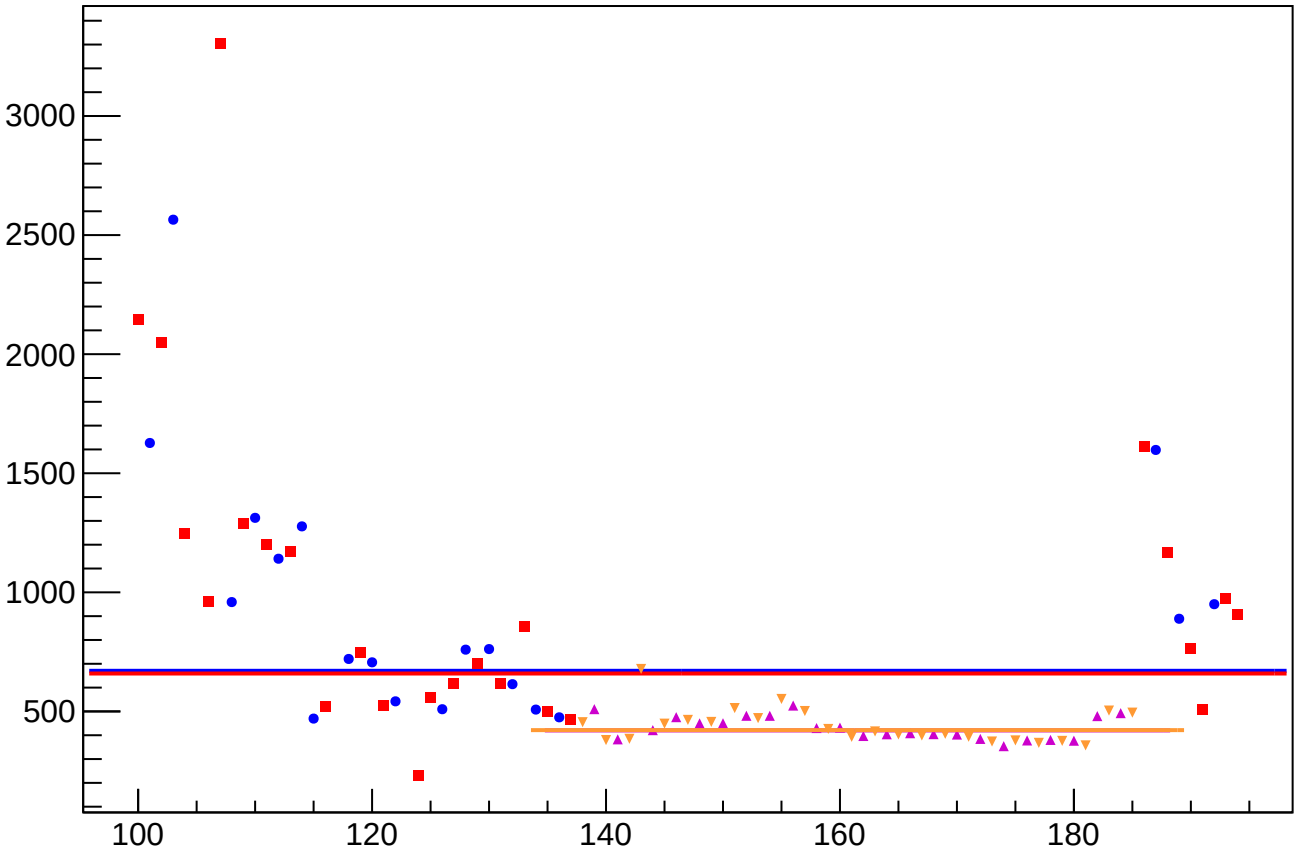
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: -45.922+/-166.052 χ^2/NDF: 50.2/43

In: 33.656+/-91.741 χ^2/NDF:55.3/41

Out: 266.037+/-89.163 χ^2/NDF:94.7/49

All: 153.157+/-63.940 χ^2/NDF: 153.2/91



Right In: 670.524+/-0.173 χ^2/NDF: 2454707.8/18

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 659.163+/-0.160 χ^2/NDF: 4001351.8/24

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

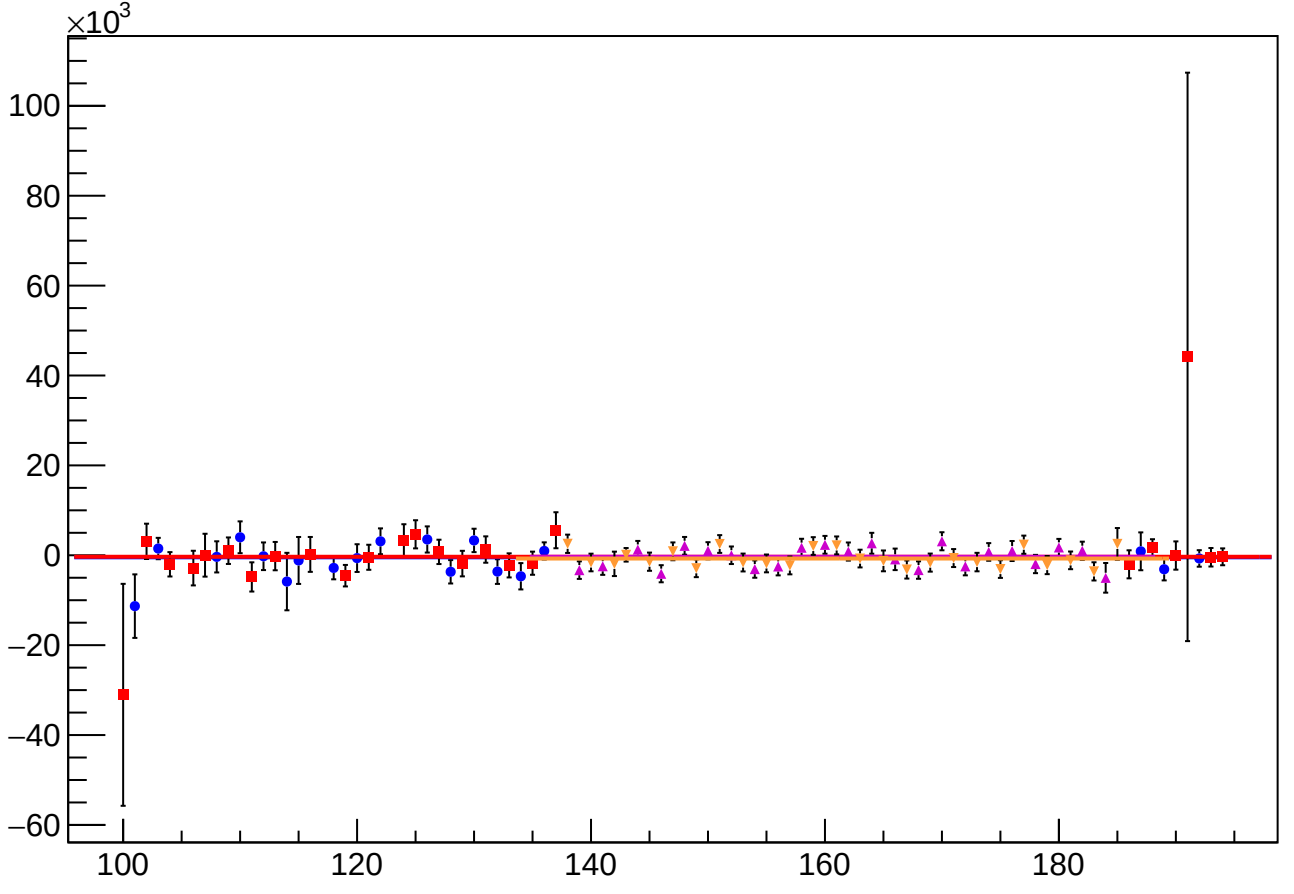
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 664.405+/-0.117 χ^2/NDF: 6458385.8/43

In: 455.471+/-0.065 χ^2/NDF:4669414.9/41

Out: 458.339+/-0.063 χ^2/NDF:6609555.0/49

All: 456.946+/-0.045 χ^2/NDF: 11279975.0/91



Right In: -453.567+/-650.767 χ^2/NDF: 18.5/18

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: -332.841+/-588.196 χ^2/NDF: 17.5/24

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

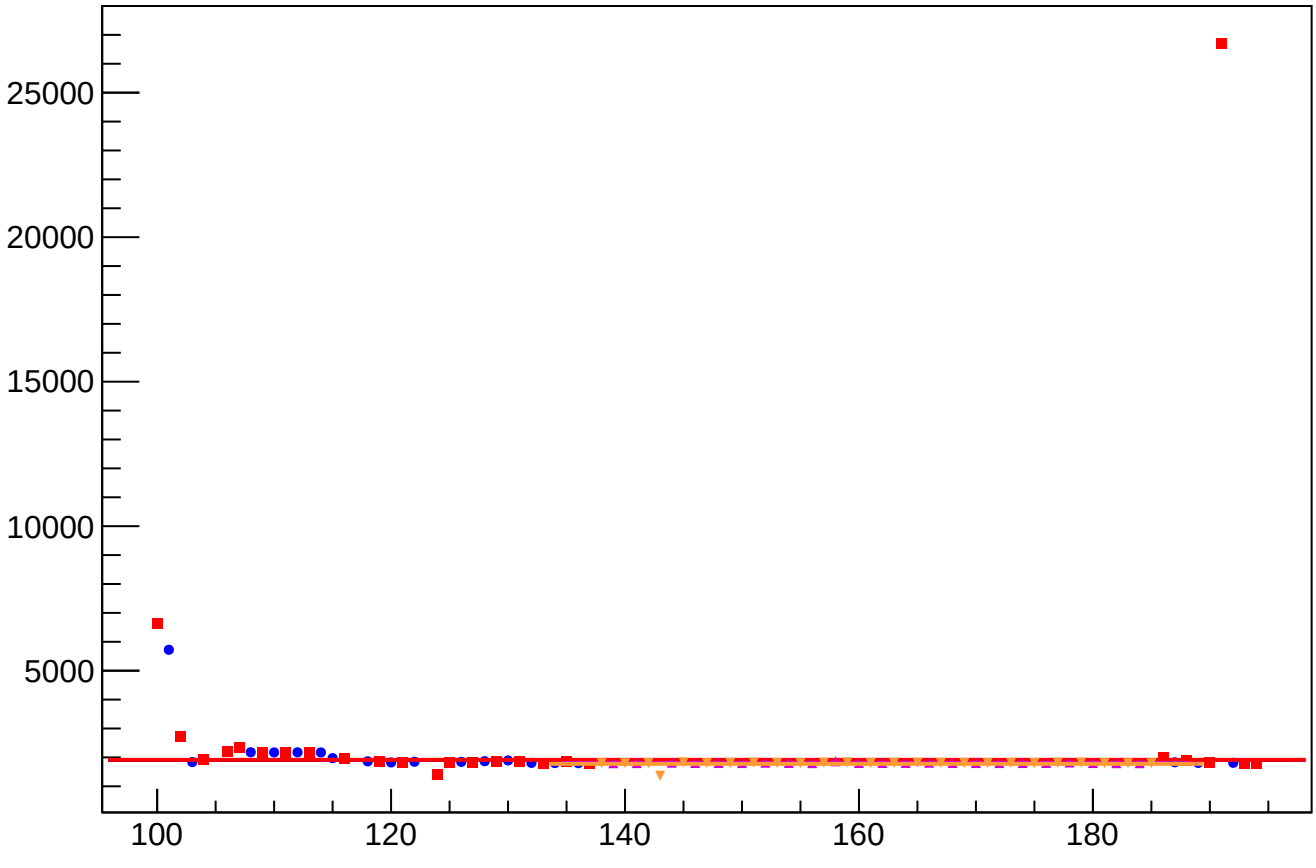
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -387.122+/-436.366 χ^2/NDF: 36.0/43

In: -374.575+/-354.577 χ^2/NDF:48.1/41

Out: -598.800+/-333.248 χ^2/NDF:40.0/49

All: -493.634+/-242.833 χ^2/NDF: 88.3/91



Right In: 1909.083+/-0.460 χ^2/NDF: 652103.9/18

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1915.577+/-0.416 χ^2/NDF: 606101.2/24

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

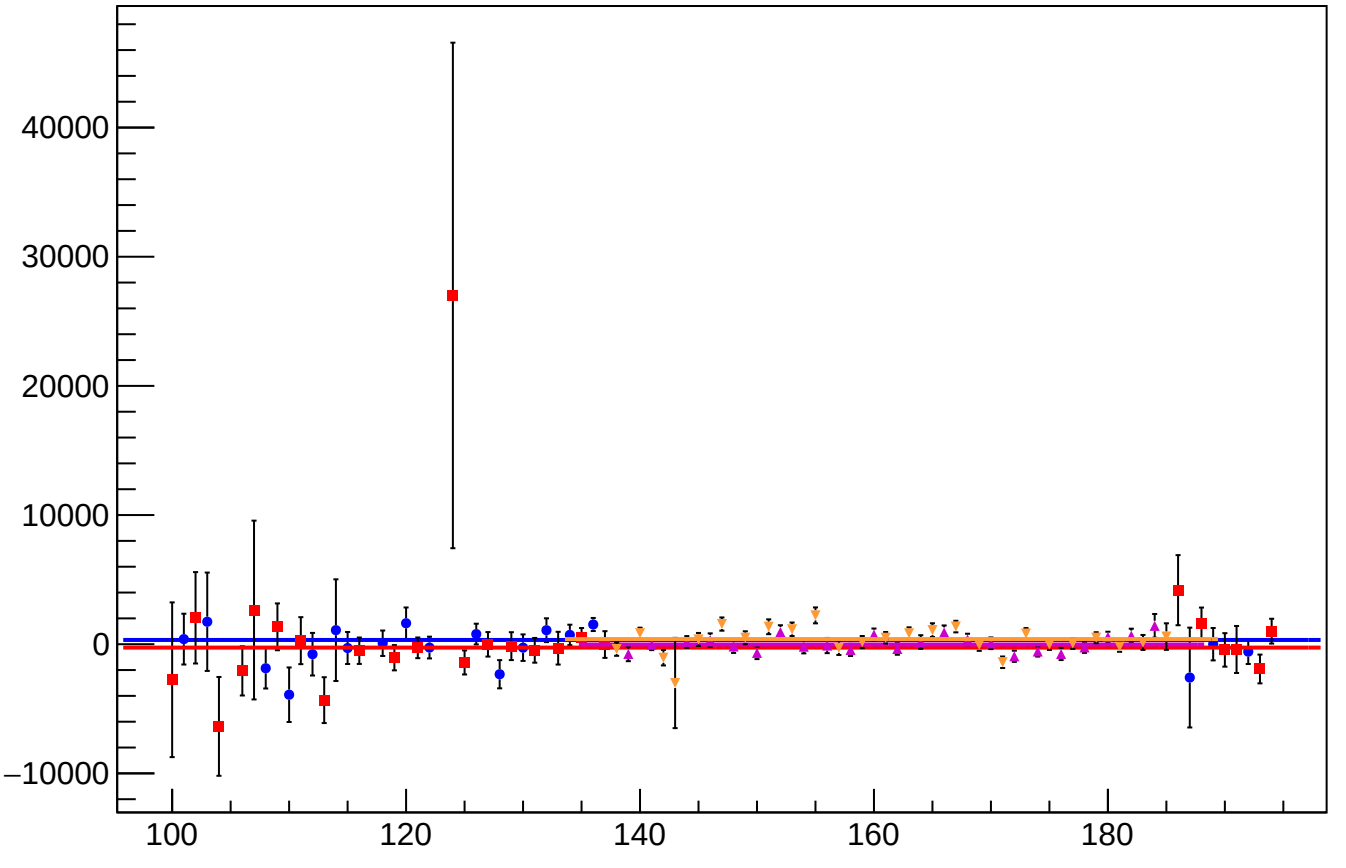
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1912.657+/-0.309 χ^2/NDF: 1258314.7/43

In: 1840.177+/-0.251 χ^2/NDF:685959.3/41

Out: 1821.292+/-0.236 χ^2/NDF:843077.4/49

All: 1830.150+/-0.172 χ^2/NDF: 1532049.0/91



Right In: 329.351+/-242.779 χ^2/NDF: 23.1/18

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: -262.071+/-247.247 χ^2/NDF: 24.9/24

Left In: -21.453+/-100.264 χ^2/NDF:30.8/22

Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

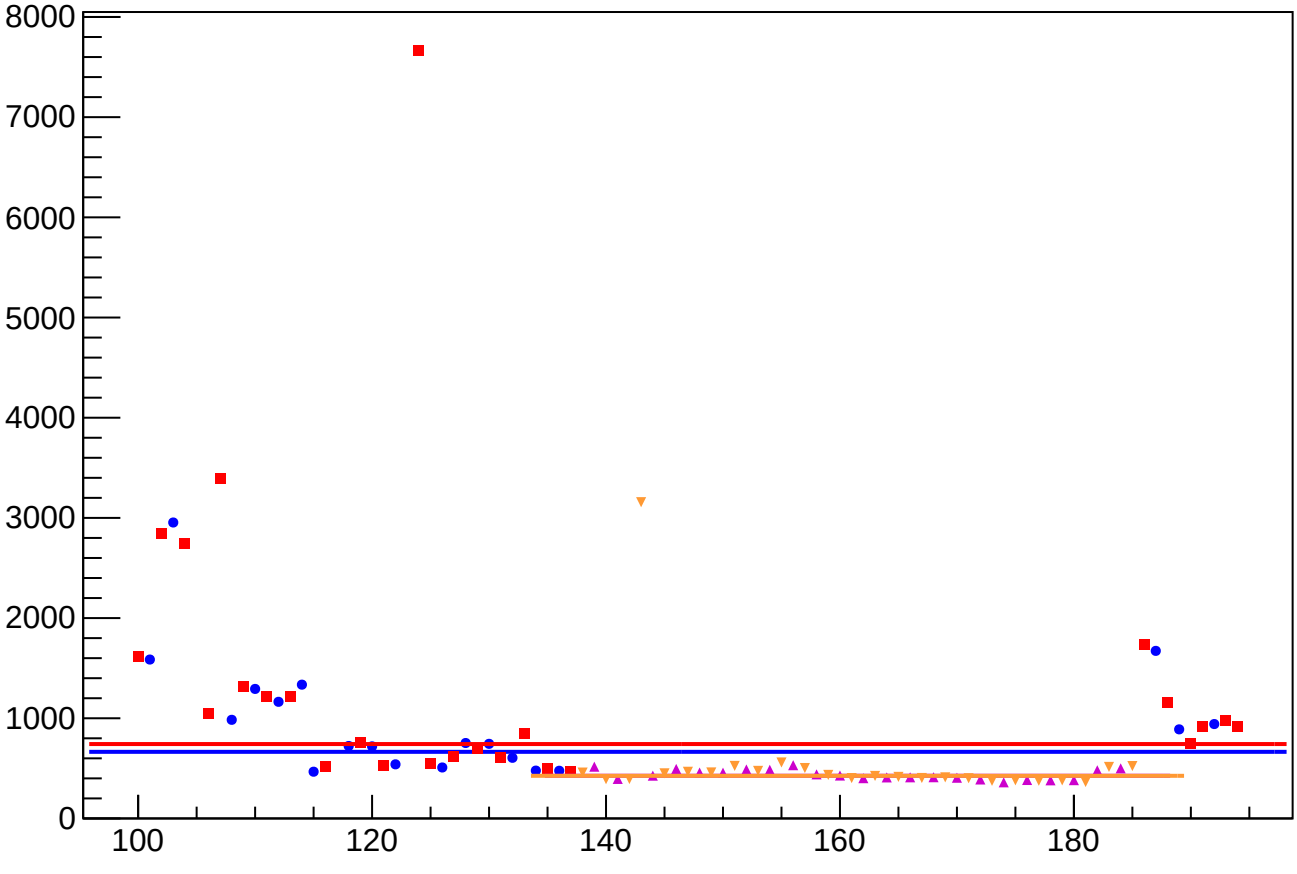
Right: 39.032+/-173.229 χ^2/NDF: 51.0/43

In: 29.661+/-92.672 χ^2/NDF:55.8/41

Out: 306.765+/-92.038 χ^2/NDF:91.6/49

All: 169.164+/-65.304 χ^2/NDF: 151.9/91

asym_at1_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 664.971+/-0.172 χ^2/NDF: 2637266.8/18

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 742.694+/-0.175 χ^2/NDF: 3850440.0/24

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

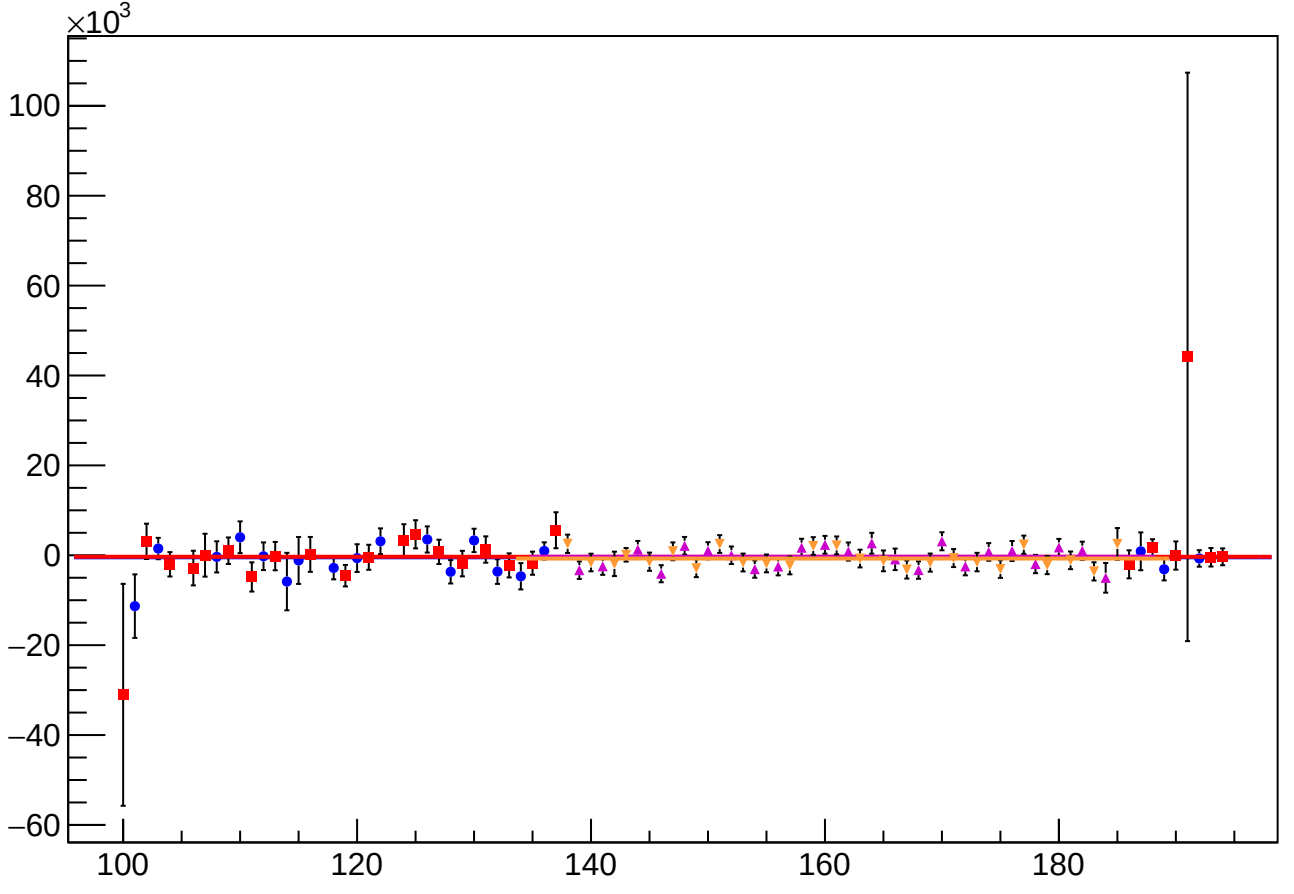
Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

Right: 703.124+/-0.122 χ^2/NDF: 6588326.2/43

In: 460.943+/-0.066 χ^2/NDF:4706096.6/41

Out: 469.623+/-0.065 χ^2/NDF:8400622.0/49

All: 465.313+/-0.046 χ^2/NDF: 13115552.8/91



Right In: -453.567+/-650.767 χ^2/NDF: 18.5/18

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: -332.840+/-588.196 χ^2/NDF: 17.5/24

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

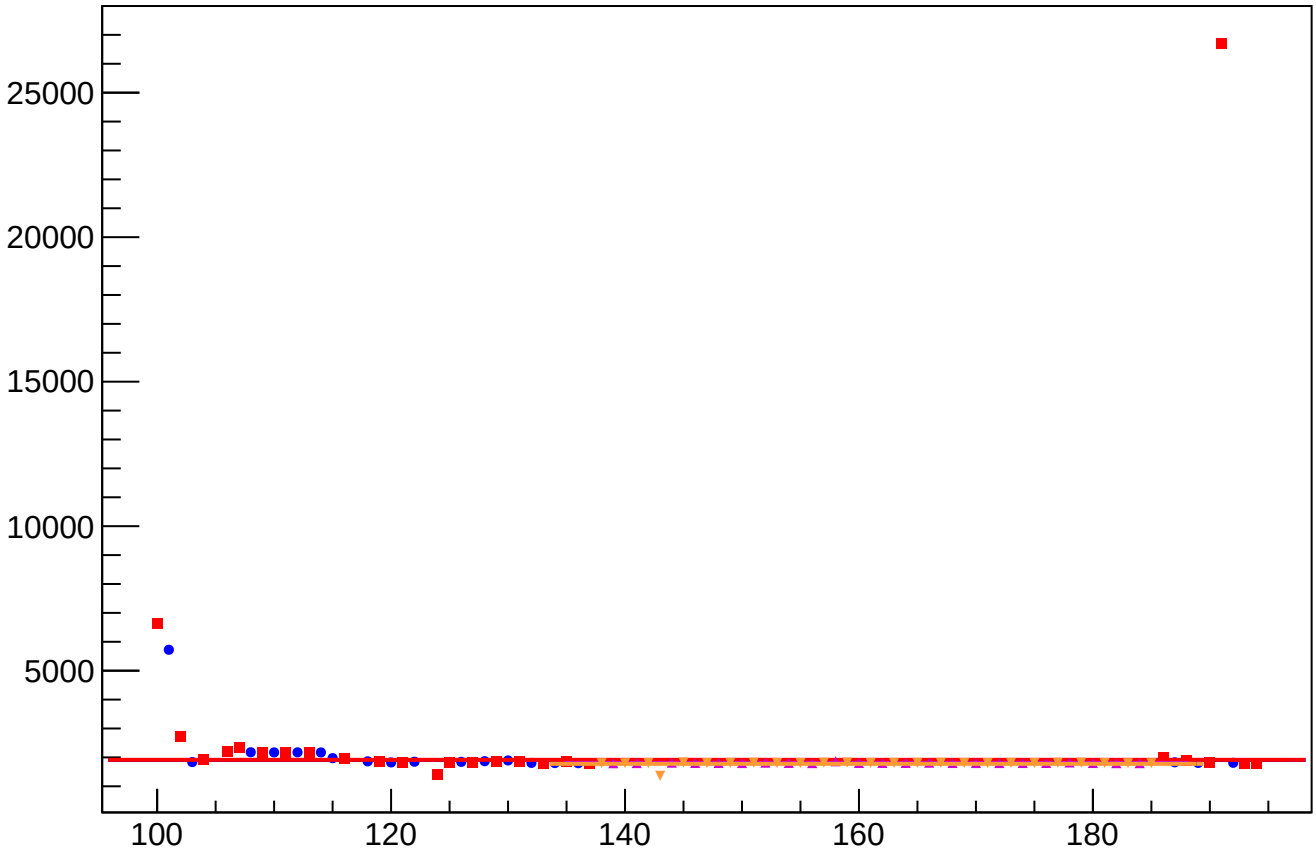
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -387.122+/-436.366 χ^2/NDF: 36.0/43

In: -374.575+/-354.577 χ^2/NDF:48.1/41

Out: -598.800+/-333.248 χ^2/NDF:40.0/49

All: -493.634+/-242.833 χ^2/NDF: 88.3/91



Right In: 1909.083+/-0.460 χ^2/NDF: 652103.9/18

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1915.577+/-0.416 χ^2/NDF: 606101.0/24

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

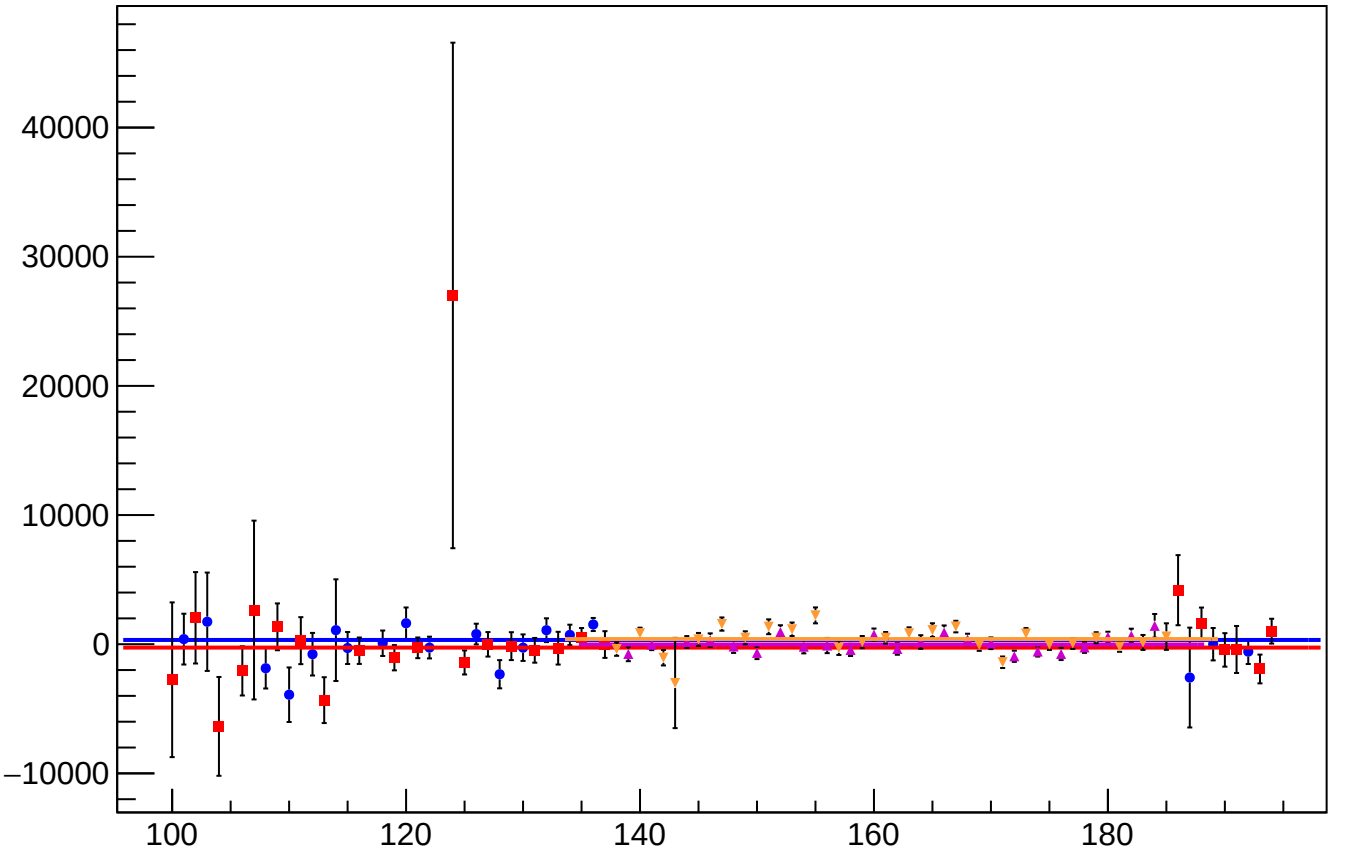
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1912.657+/-0.309 χ^2/NDF: 1258314.6/43

In: 1840.177+/-0.251 χ^2/NDF:685959.3/41

Out: 1821.292+/-0.236 χ^2/NDF:843077.2/49

All: 1830.150+/-0.172 χ^2/NDF: 1532048.7/91



Right In: 329.350+/-242.779 χ^2/NDF: 23.1/18

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: -262.071+/-247.247 χ^2/NDF: 24.9/24

Left In: -21.452+/-100.264 χ^2/NDF:30.8/22

Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

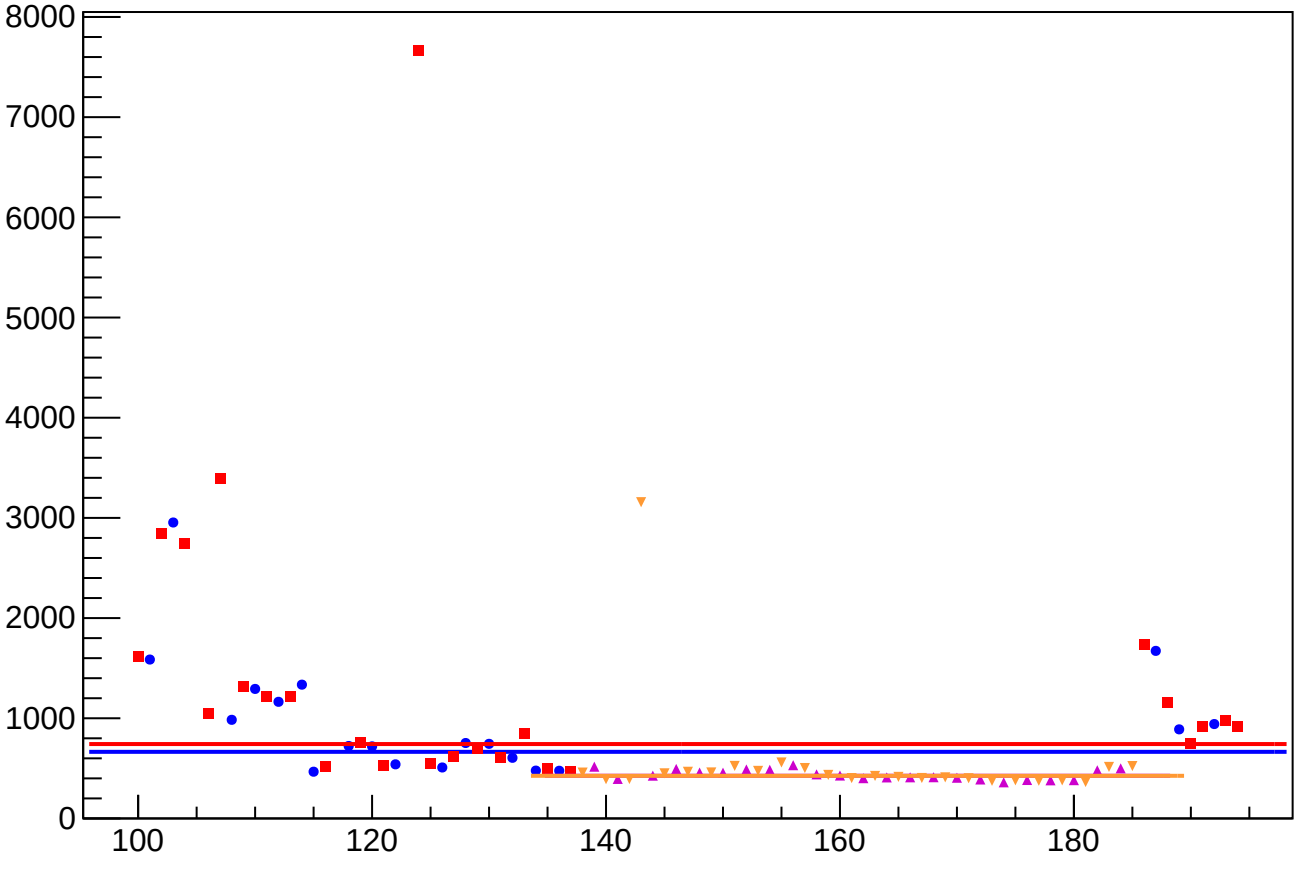
Right: 39.032+/-173.229 χ^2/NDF: 51.0/43

In: 29.662+/-92.672 χ^2/NDF:55.8/41

Out: 306.764+/-92.038 χ^2/NDF:91.6/49

All: 169.164+/-65.304 χ^2/NDF: 151.9/91

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 664.971+/-0.172 χ^2/NDF: 2637265.9/18

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 742.694+/-0.175 χ^2/NDF: 3850441.8/24

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

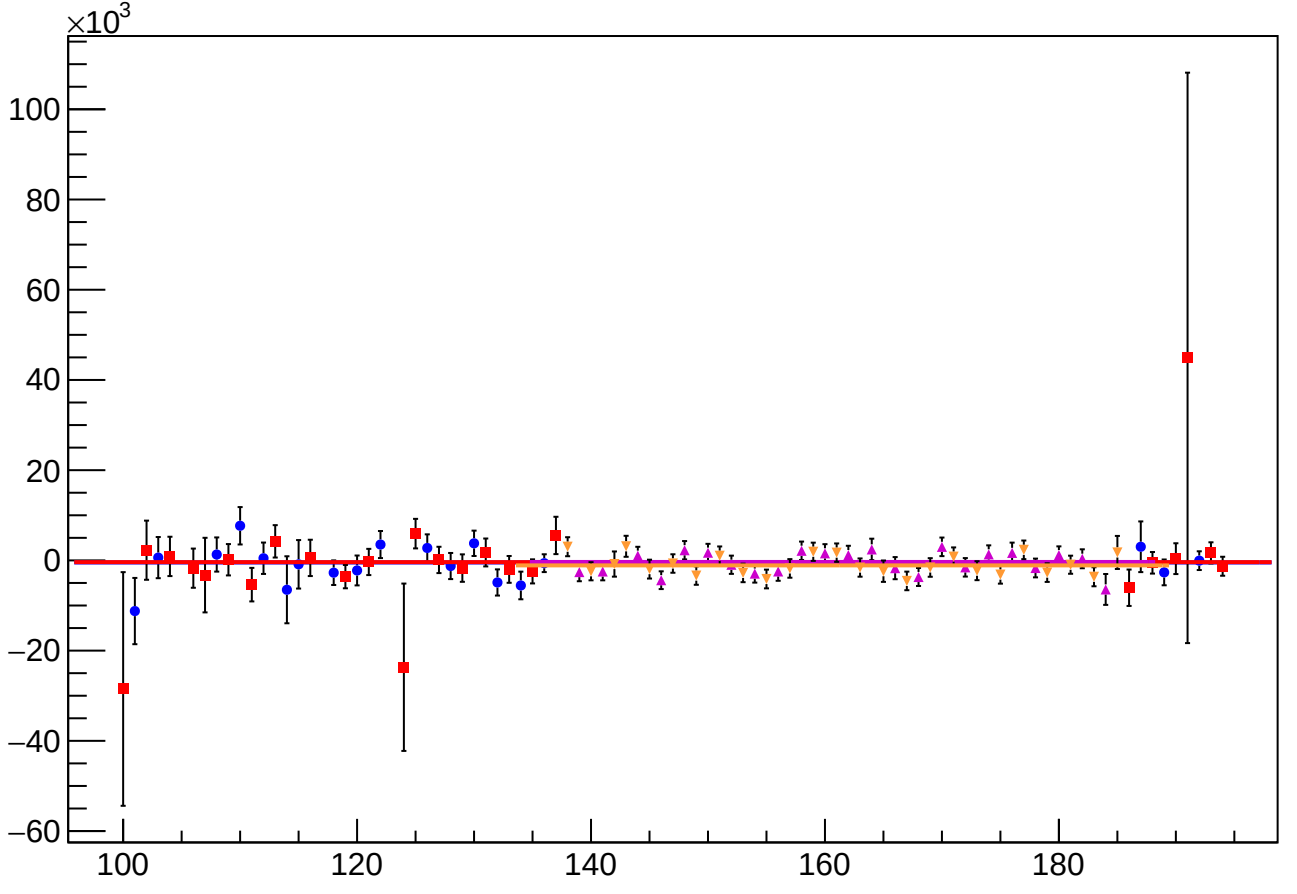
Right: 703.124+/-0.122 χ^2/NDF: 6588327.1/43

In: 460.943+/-0.066 χ^2/NDF:4706099.8/41

Out: 469.623+/-0.065 χ^2/NDF:8400628.8/49

All: 465.313+/-0.046 χ^2/NDF: 13115562.6/91

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -460.867+/-727.339 χ^2/NDF: 19.4/18

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: -384.647+/-677.778 χ^2/NDF: 19.2/24

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

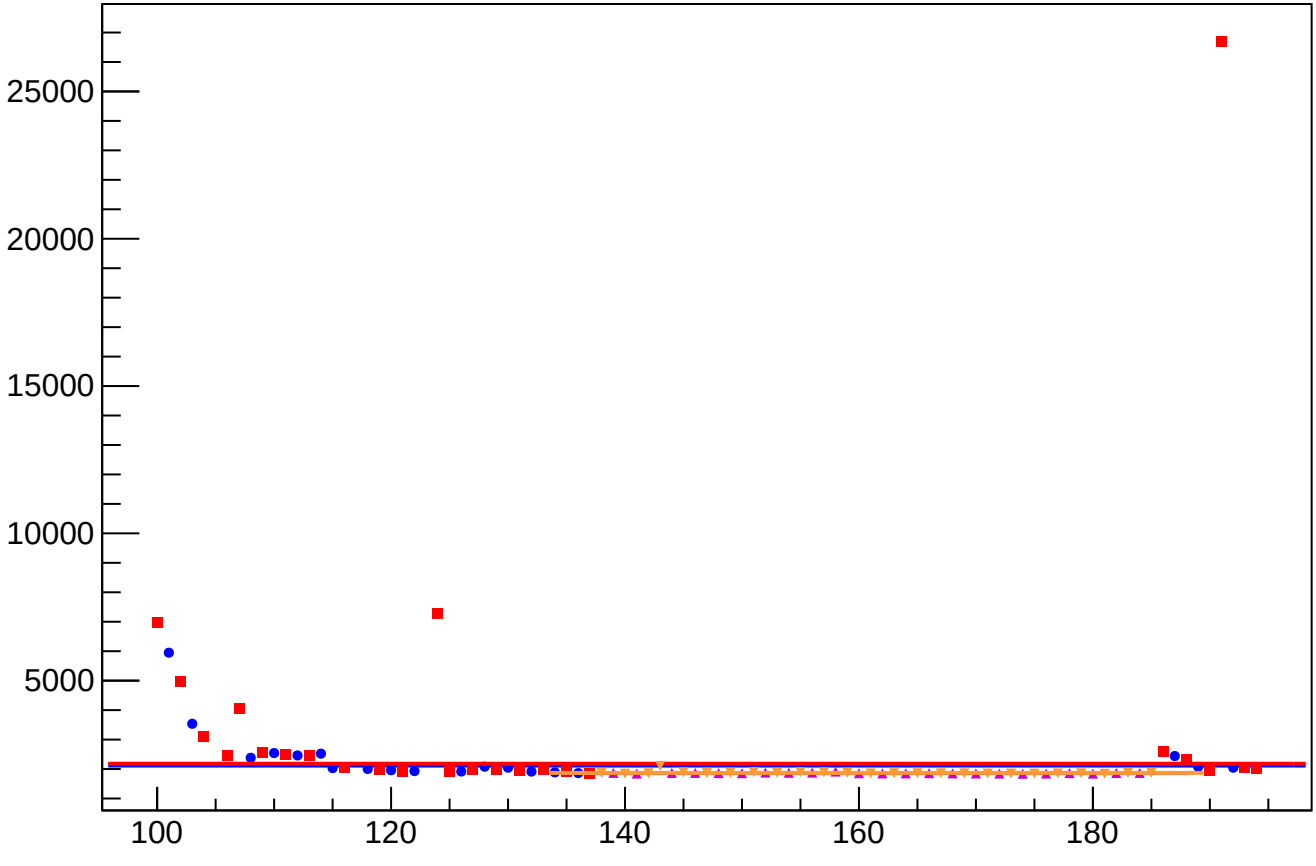
Right: -420.072+/-495.857 χ^2/NDF: 38.5/43

In: -376.946+/-373.293 χ^2/NDF:48.1/41

Out: -902.510+/-359.853 χ^2/NDF:48.0/49

All: -649.360+/-259.076 χ^2/NDF: 97.2/91

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2118.930+/-0.514 χ^2/NDF: 884828.4/18

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2179.899+/-0.479 χ^2/NDF: 1299916.5/24

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

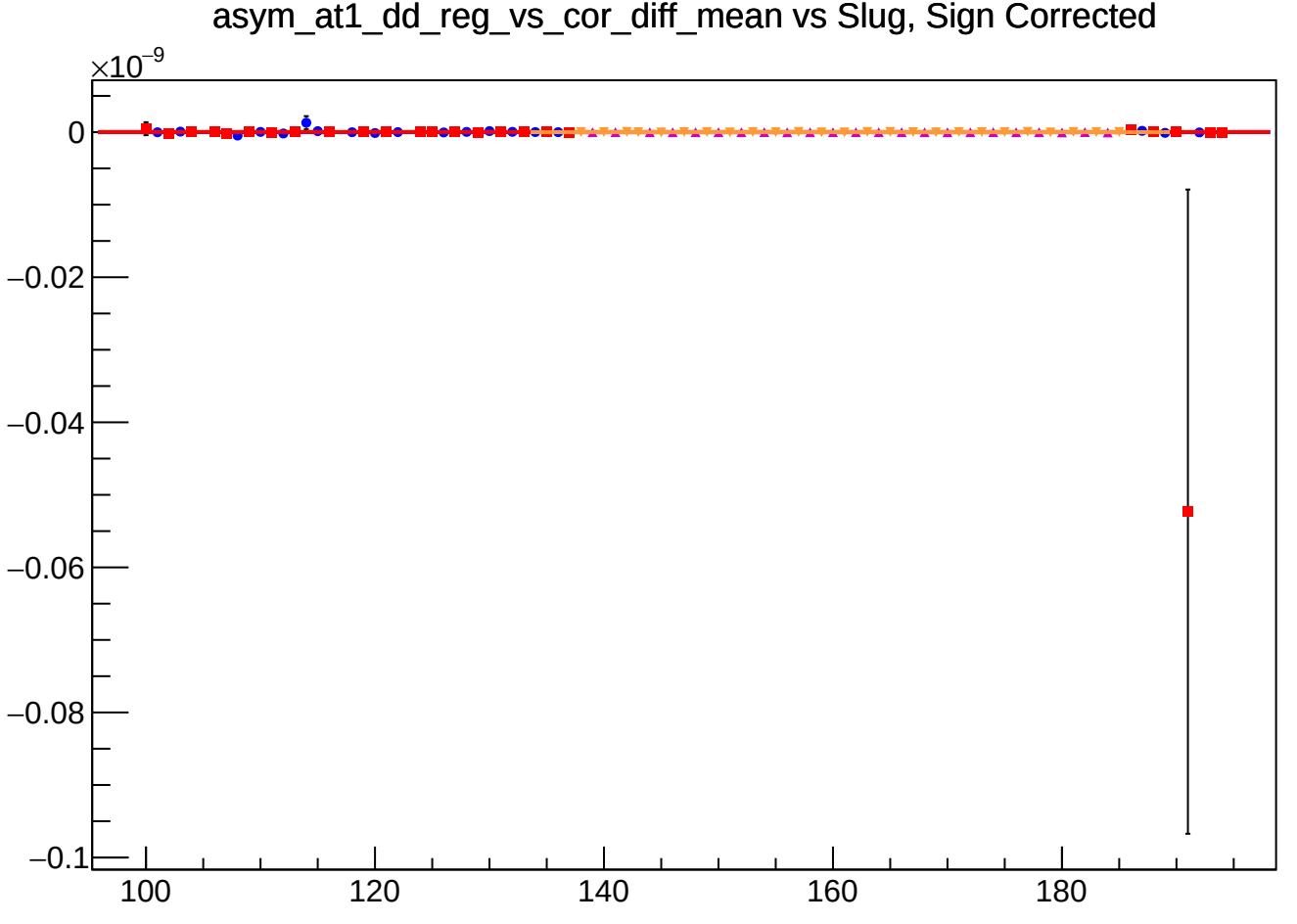
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2151.563+/-0.351 χ^2/NDF: 2192266.5/43

In: 1930.287+/-0.264 χ^2/NDF:1070189.0/41

Out: 1956.596+/-0.254 χ^2/NDF:1625542.1/49

All: 1943.924+/-0.183 χ^2/NDF: 2700880.4/91



Right In: 0.000+/-0.000 χ^2/NDF: 19.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.7/24

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

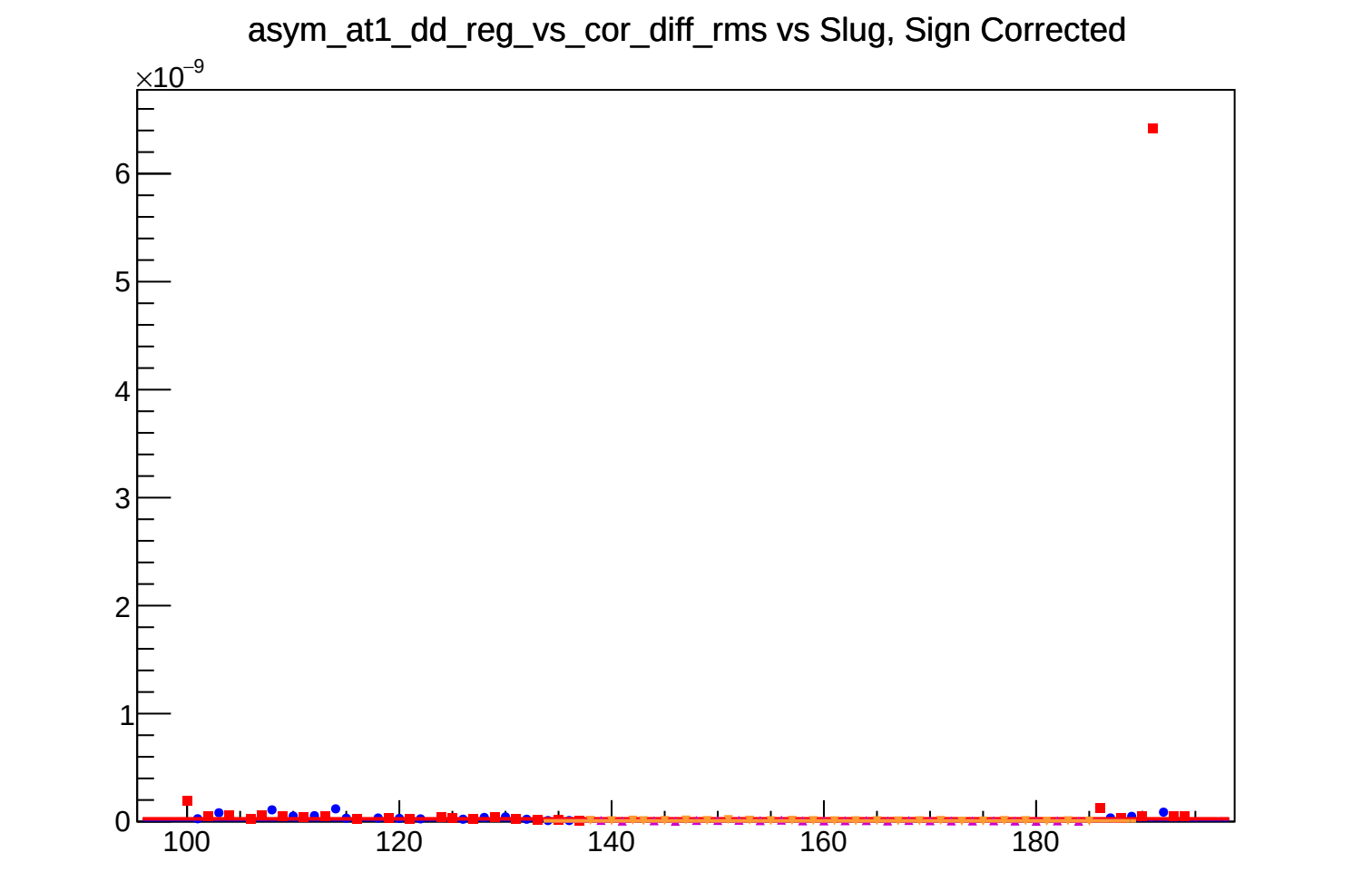
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

Right: 0.000+/-0.000 χ^2/NDF: 40.0/43

In: -0.000+/-0.000 χ^2/NDF:37.3/41

Out: 0.000+/-0.000 χ^2/NDF:63.1/49

All: -0.000+/-0.000 χ^2/NDF: 102.5/91



Right In: 0.000+/-0.000 χ^2/NDF: 3127324.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2072516.5/24

Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

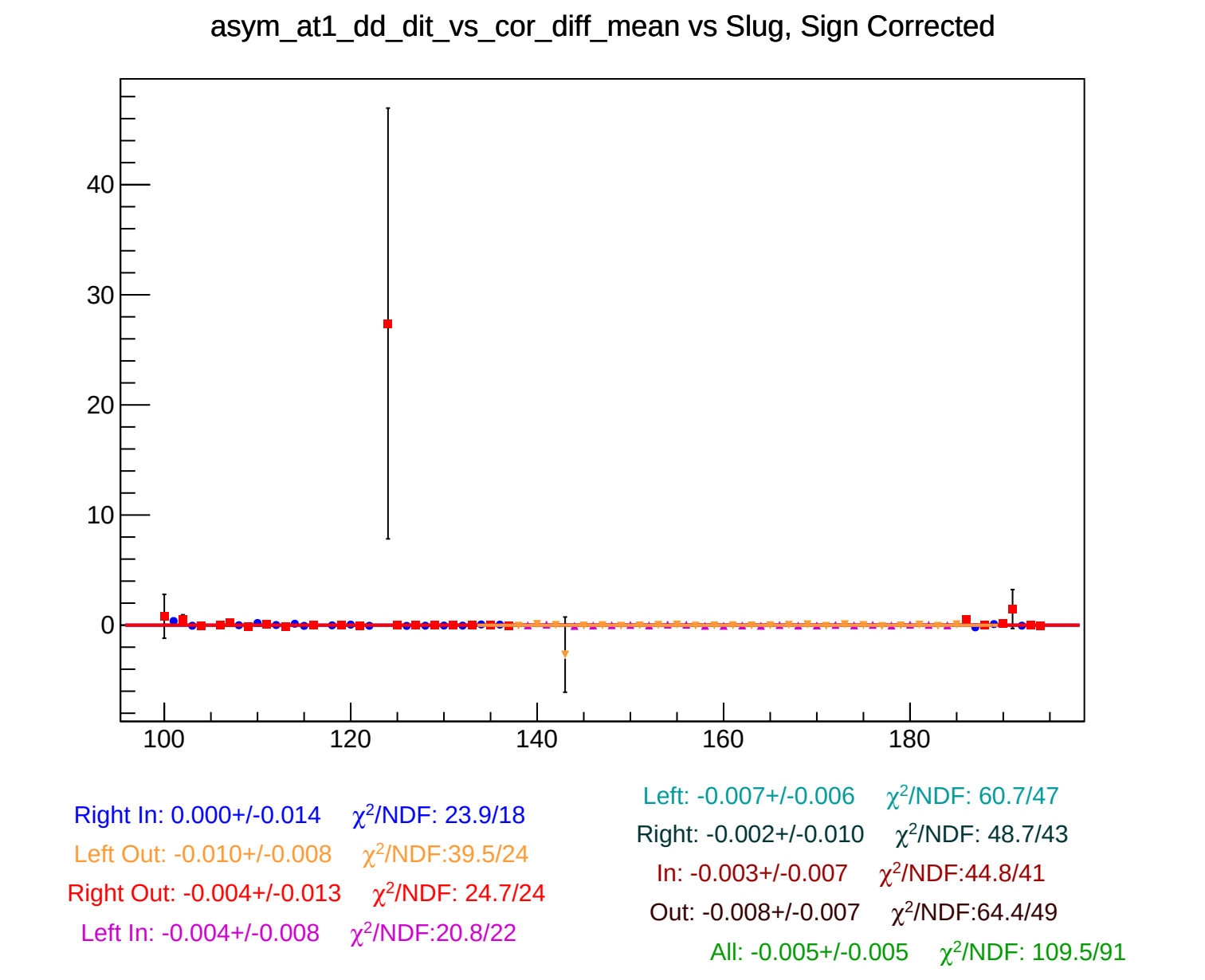
Left: 0.000+/-0.000 χ^2/NDF: 3321189.0/47

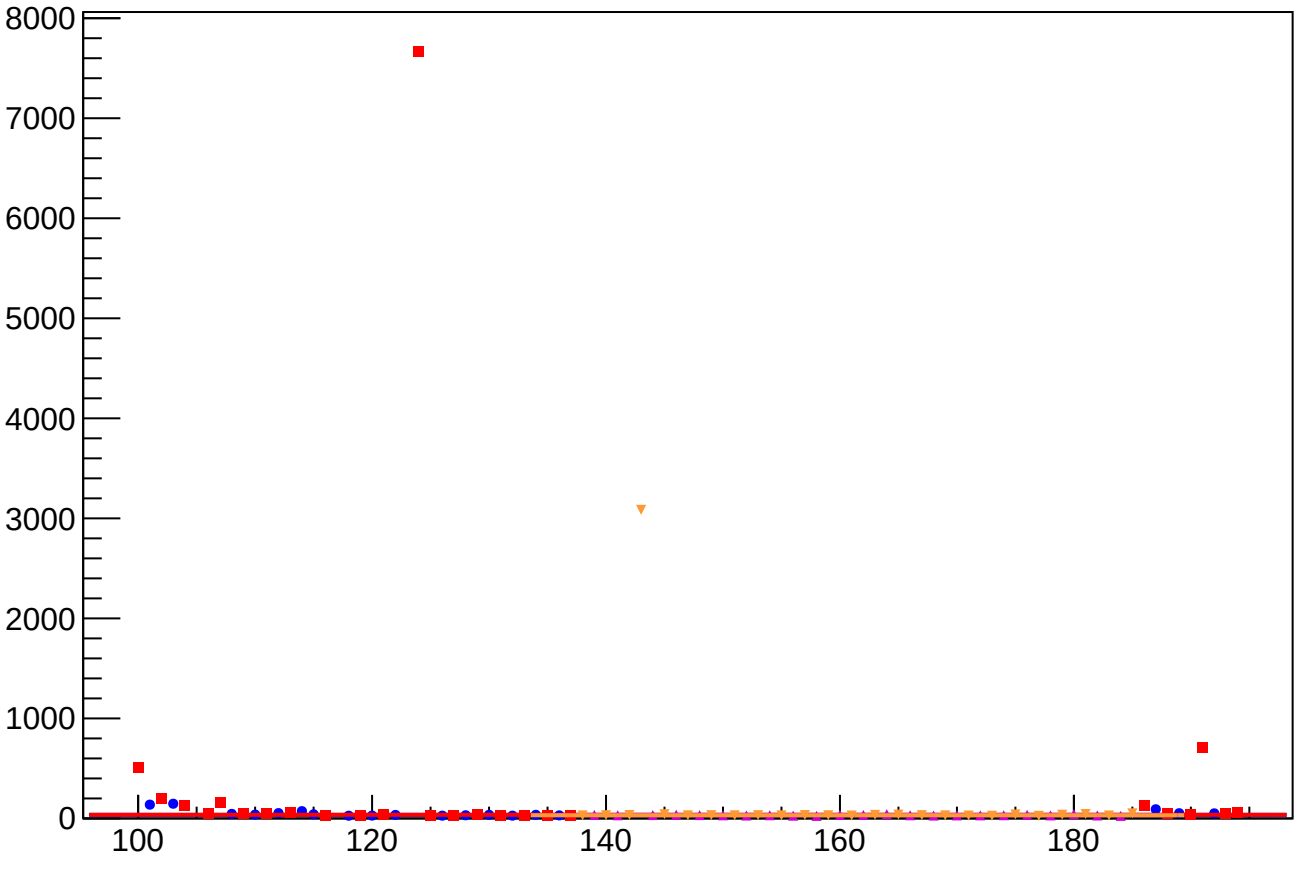
Right: 0.000+/-0.000 χ^2/NDF: 5580830.9/43

In: 0.000+/-0.000 χ^2/NDF:6126874.3/41

Out: 0.000+/-0.000 χ^2/NDF:7033660.4/49

All: 0.000+/-0.000 χ^2/NDF: 13160543.8/91


asym_at1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
40
30
20
10
0
100
120
140
160
180
Right In: 0.000+/-0.014 χ²/NDF: 23.9/18
Left Out: -0.010+/-0.008 χ²/NDF:39.5/24
Right Out: -0.004+/-0.013 χ²/NDF: 24.7/24
Left In: -0.004+/-0.008 χ²/NDF:20.8/22
Left: -0.007+/-0.006 χ²/NDF: 60.7/47
Right: -0.002+/-0.010 χ²/NDF: 48.7/43
In: -0.003+/-0.007 χ²/NDF:44.8/41
Out: -0.008+/-0.007 χ²/NDF:64.4/49
All: -0.005+/-0.005 χ²/NDF: 109.5/91



Right In: 35.881+/-0.010 χ^2/NDF: 2106825.2/18

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 36.588+/-0.009 χ^2/NDF: 3320921.4/24

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

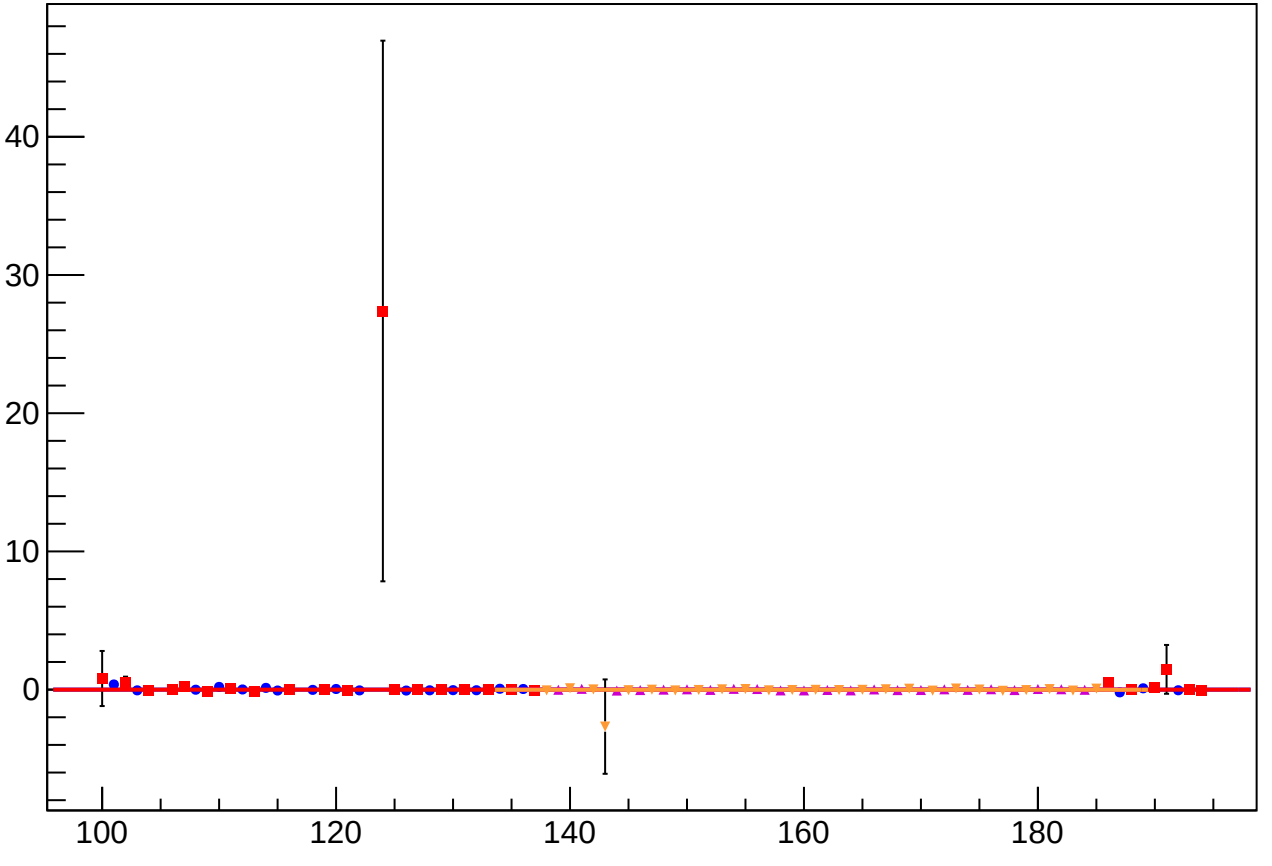
Right: 36.251+/-0.007 χ^2/NDF: 5430400.3/43

In: 33.316+/-0.005 χ^2/NDF:2623028.1/41

Out: 33.459+/-0.005 χ^2/NDF:5592187.1/49

All: 33.389+/-0.004 χ^2/NDF: 8215624.2/91

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.014 χ^2/NDF: 23.9/18

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.004+/-0.013 χ^2/NDF: 24.7/24

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

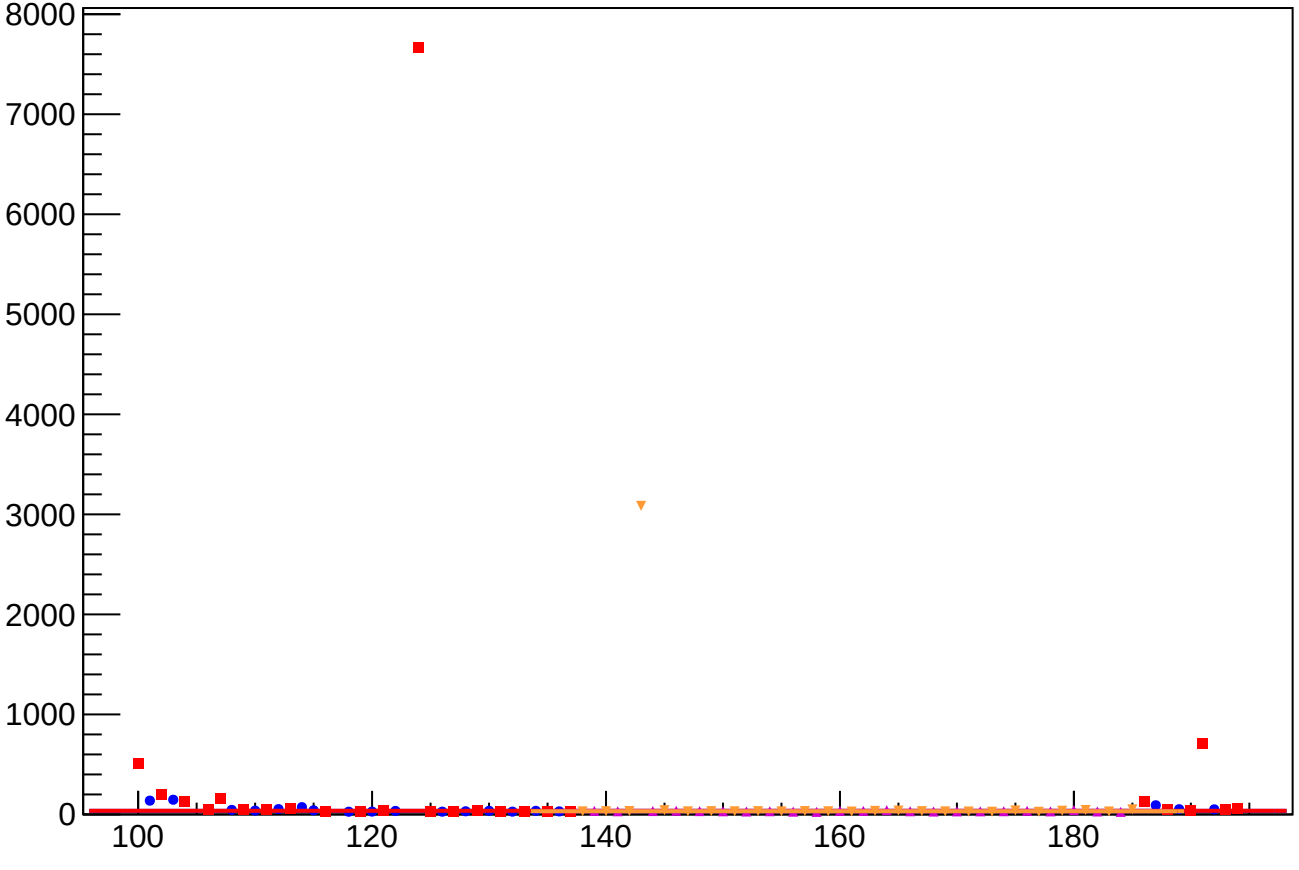
Right: -0.002+/-0.010 χ^2/NDF: 48.7/43

In: -0.003+/-0.007 χ^2/NDF:44.8/41

Out: -0.008+/-0.007 χ^2/NDF:64.4/49

All: -0.005+/-0.005 χ^2/NDF: 109.5/91

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.881+/-0.010 χ^2/NDF: 2106825.2/18

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 36.588+/-0.009 χ^2/NDF: 3320921.4/24

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

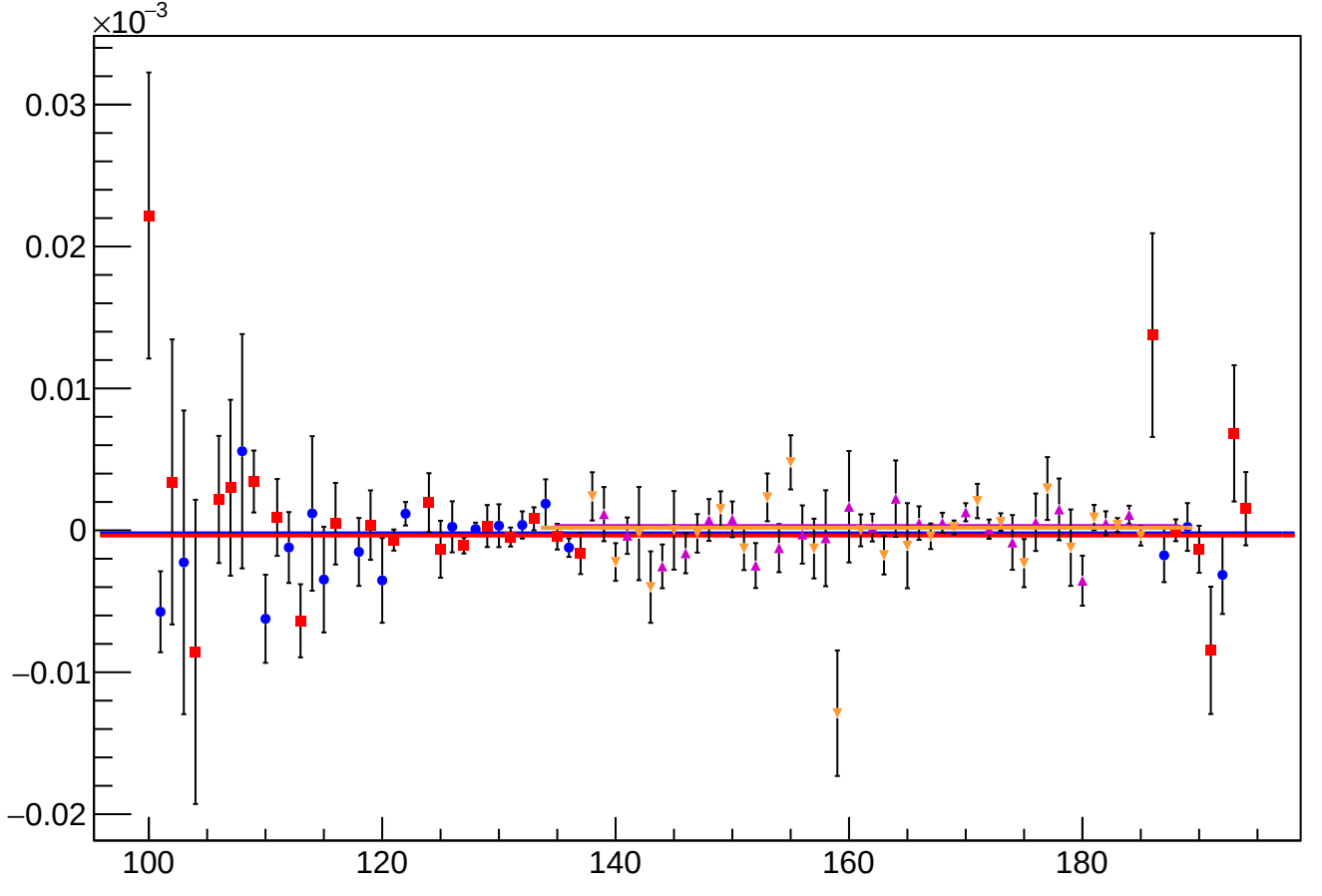
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 36.251+/-0.007 χ^2/NDF: 5430400.3/43

In: 33.316+/-0.005 χ^2/NDF:2623028.1/41

Out: 33.459+/-0.005 χ^2/NDF:5592187.1/49

All: 33.389+/-0.004 χ^2/NDF: 8215624.2/91



Right In: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.1/24

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

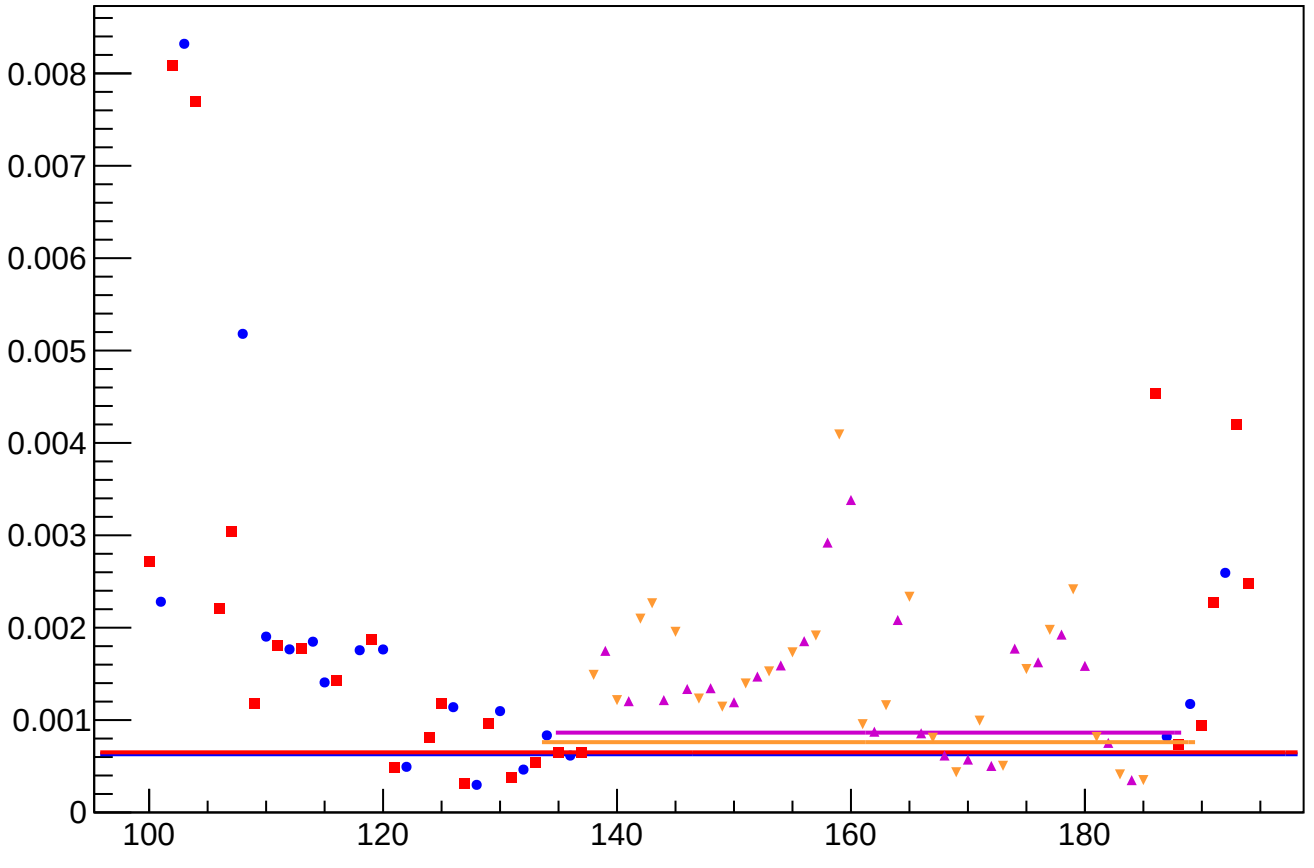
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 52.3/43

In: 0.000+/-0.000 χ^2/NDF:42.2/41

Out: -0.000+/-0.000 χ^2/NDF:72.3/49

All: 0.000+/-0.000 χ^2/NDF: 114.8/91



Right In: 0.001+/-0.000 χ^2/NDF: 6774372.7/18

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8571078.6/24

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

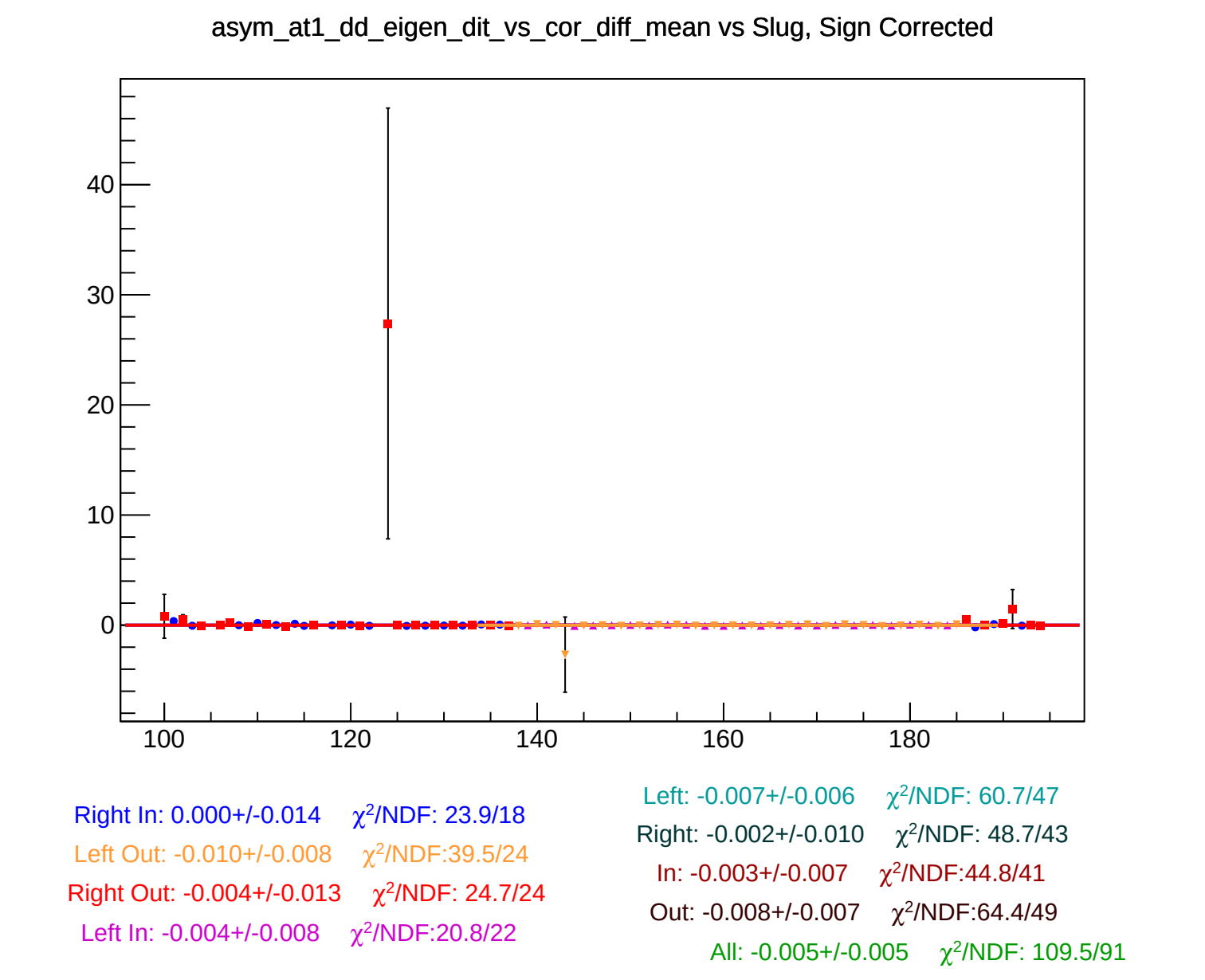
Left: 0.001+/-0.000 χ^2/NDF: 19733433.3/47

Right: 0.001+/-0.000 χ^2/NDF: 15351197.1/43

In: 0.001+/-0.000 χ^2/NDF:16005767.1/41

Out: 0.001+/-0.000 χ^2/NDF:19870439.9/49

All: 0.001+/-0.000 χ^2/NDF: 35958169.2/91


asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
40
30
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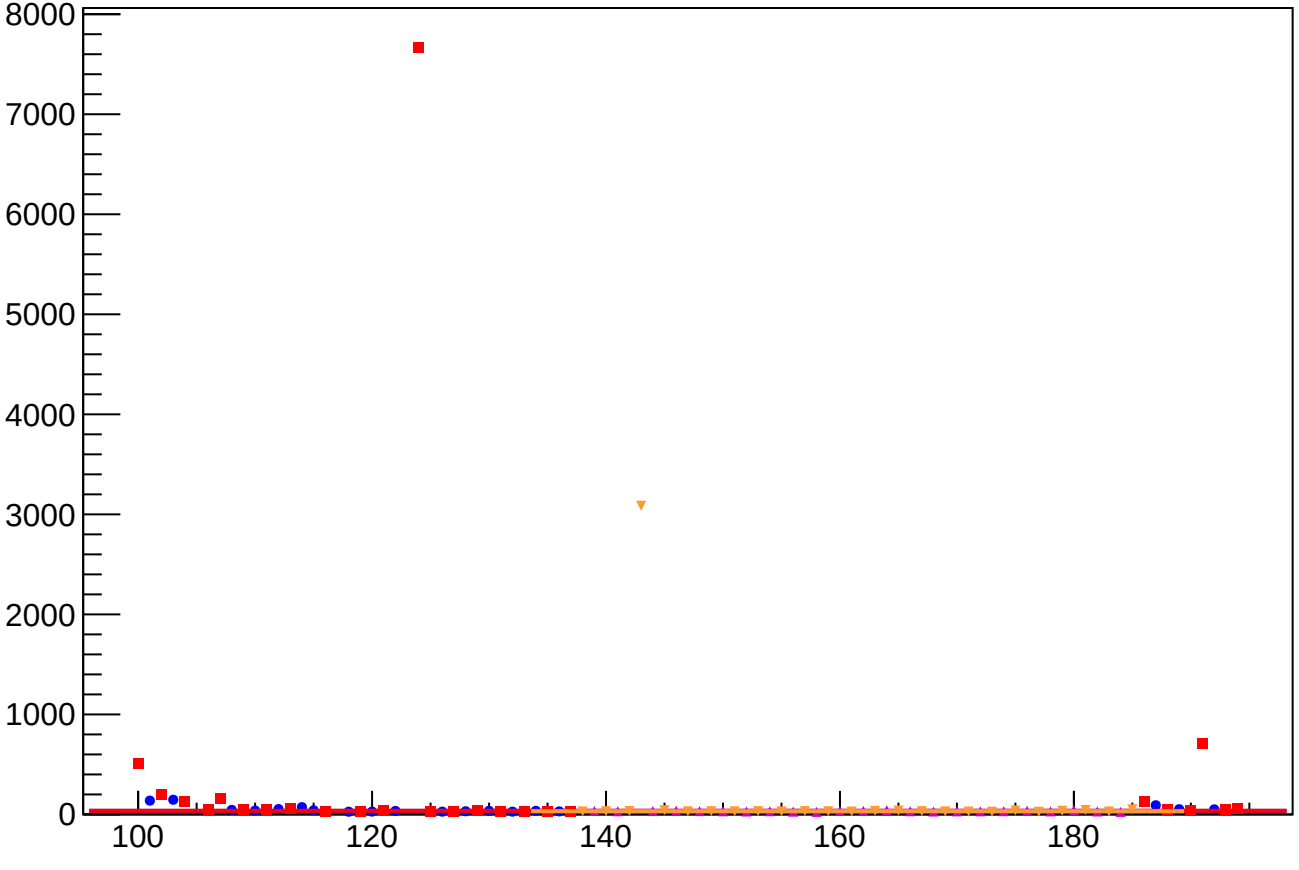
140
160
180
Right In: 0.000+/-0.014 χ2/NDF: 23.9/18
Left Out: -0.010+/-0.008 χ2/NDF:39.5/24
Right Out: -0.004+/-0.013 χ2/NDF: 24.7/24
Left In: -0.004+/-0.008 χ2/NDF:20.8/22
Left: -0.007+/-0.006 χ2/NDF: 60.7/47
Right: -0.002+/-0.010 χ2/NDF: 48.7/43
In: -0.003+/-0.007 χ2/NDF:44.8/41
Out: -0.008+/-0.007 χ2/NDF:64.4/49
All: -0.005+/-0.005 χ2/NDF: 109.5/91

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.881+/-0.010 χ^2/NDF: 2106804.3/18

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 36.588+/-0.009 χ^2/NDF: 3320901.8/24

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

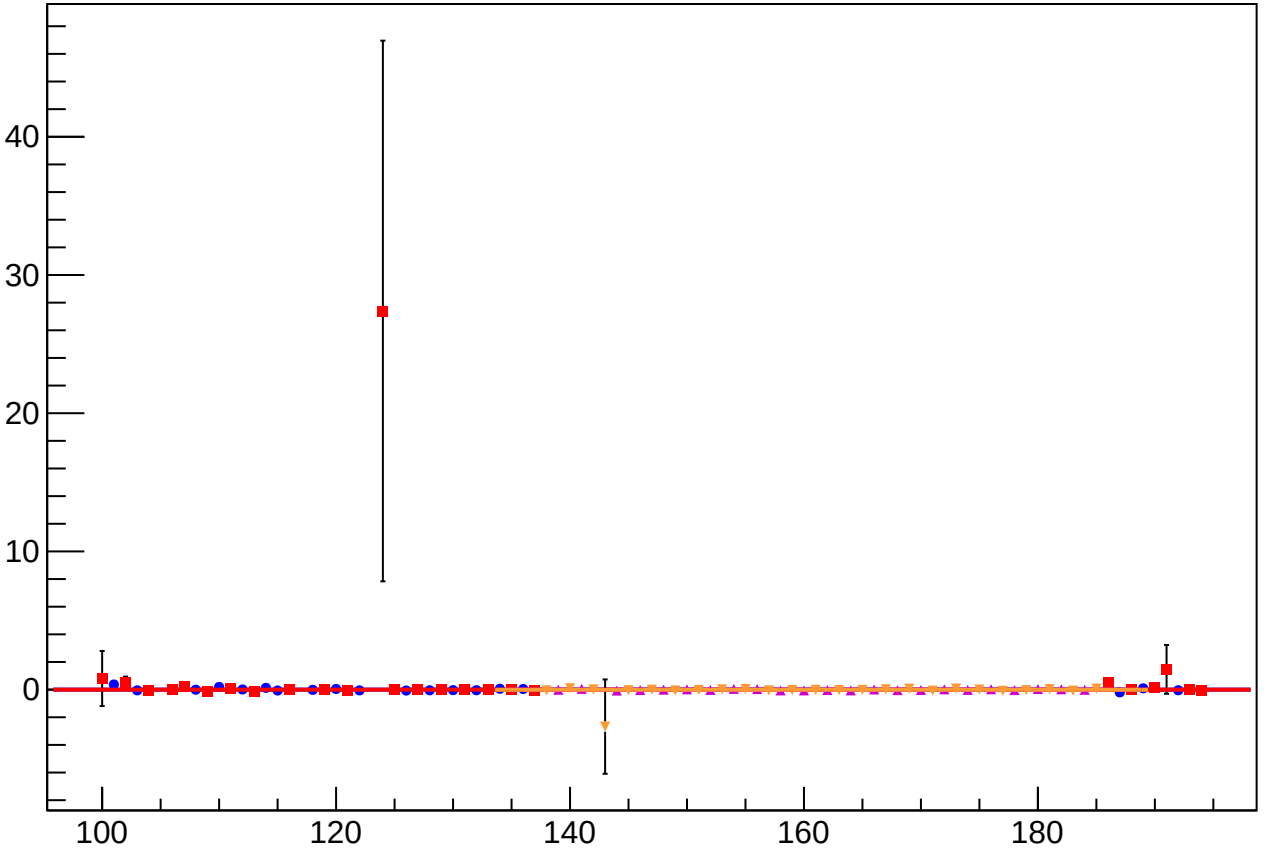
Right: 36.251+/-0.007 χ^2/NDF: 5430358.9/43

In: 33.316+/-0.005 χ^2/NDF:2622911.3/41

Out: 33.459+/-0.005 χ^2/NDF:5592207.4/49

All: 33.389+/-0.004 χ^2/NDF: 8215526.1/91

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.014 χ^2/NDF: 23.9/18

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.004+/-0.013 χ^2/NDF: 24.7/24

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

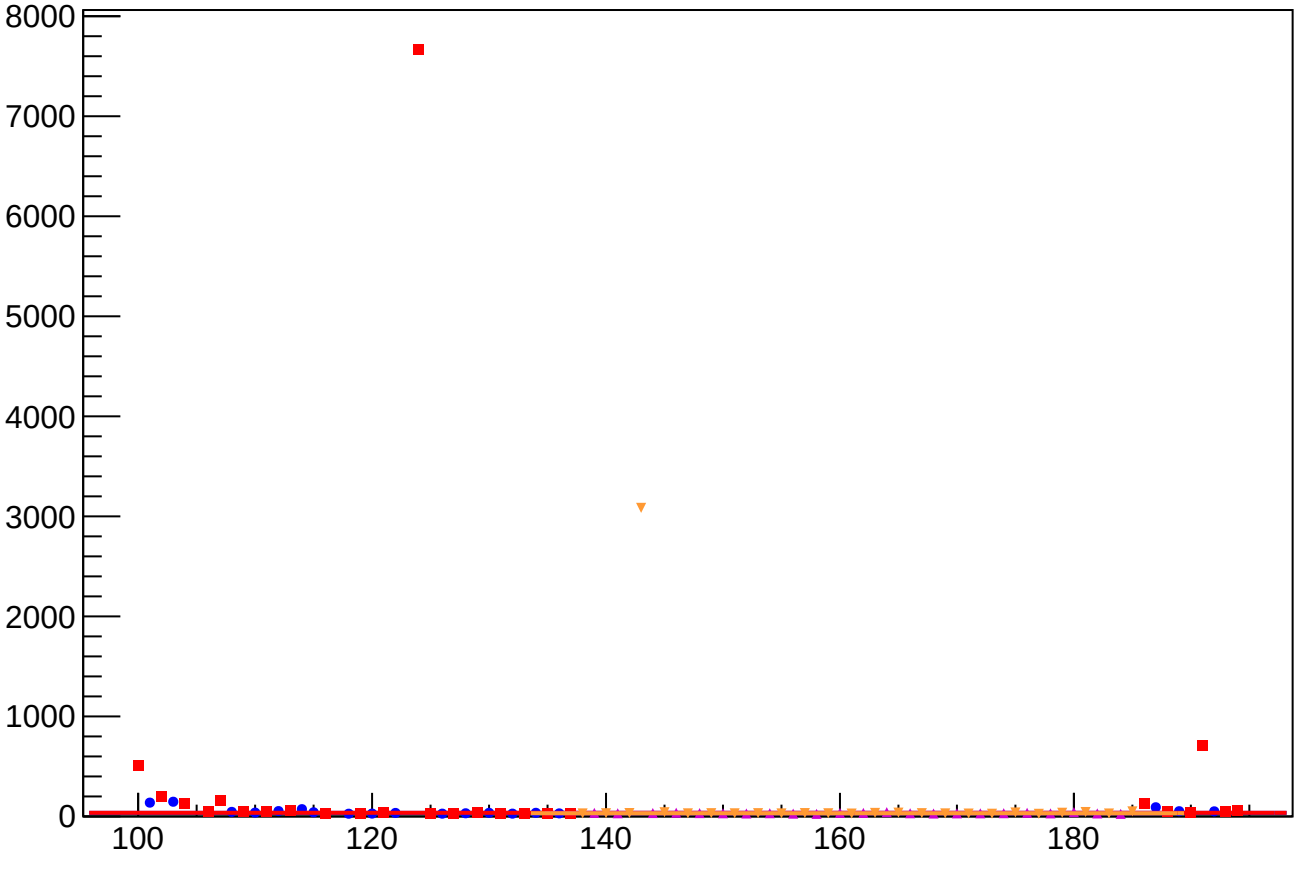
Right: -0.002+/-0.010 χ^2/NDF: 48.7/43

In: -0.003+/-0.007 χ^2/NDF:44.8/41

Out: -0.008+/-0.007 χ^2/NDF:64.4/49

All: -0.005+/-0.005 χ^2/NDF: 109.5/91

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.881+/-0.010 χ^2/NDF: 2106804.3/18

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 36.588+/-0.009 χ^2/NDF: 3320901.8/24

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

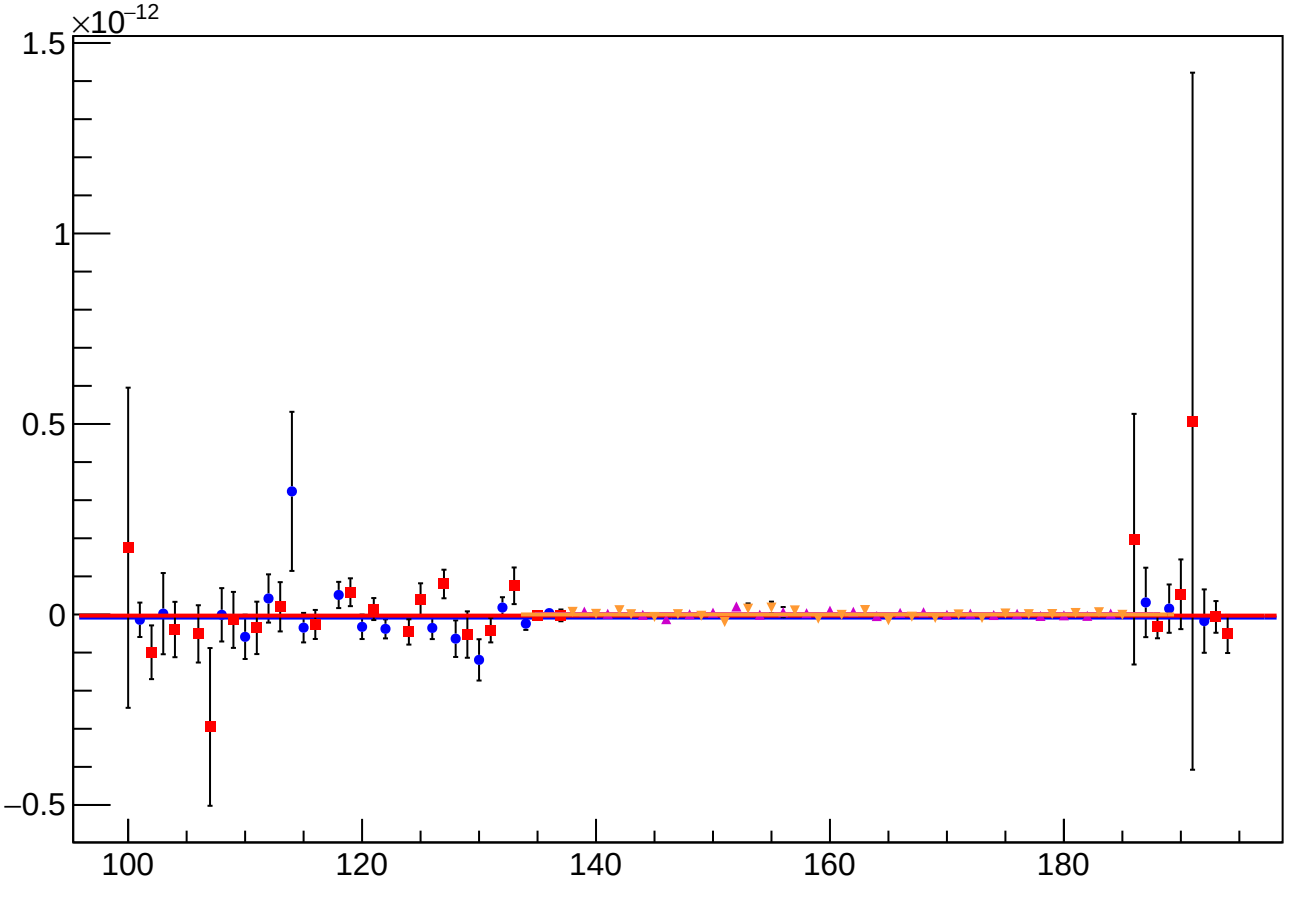
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 36.251+/-0.007 χ^2/NDF: 5430358.9/43

In: 33.316+/-0.005 χ^2/NDF:2622911.3/41

Out: 33.459+/-0.005 χ^2/NDF:5592207.4/49

All: 33.389+/-0.004 χ^2/NDF: 8215526.1/91



Right In: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.9/24

Left In: 0.000+/-0.000 χ^2/NDF:9.2/22

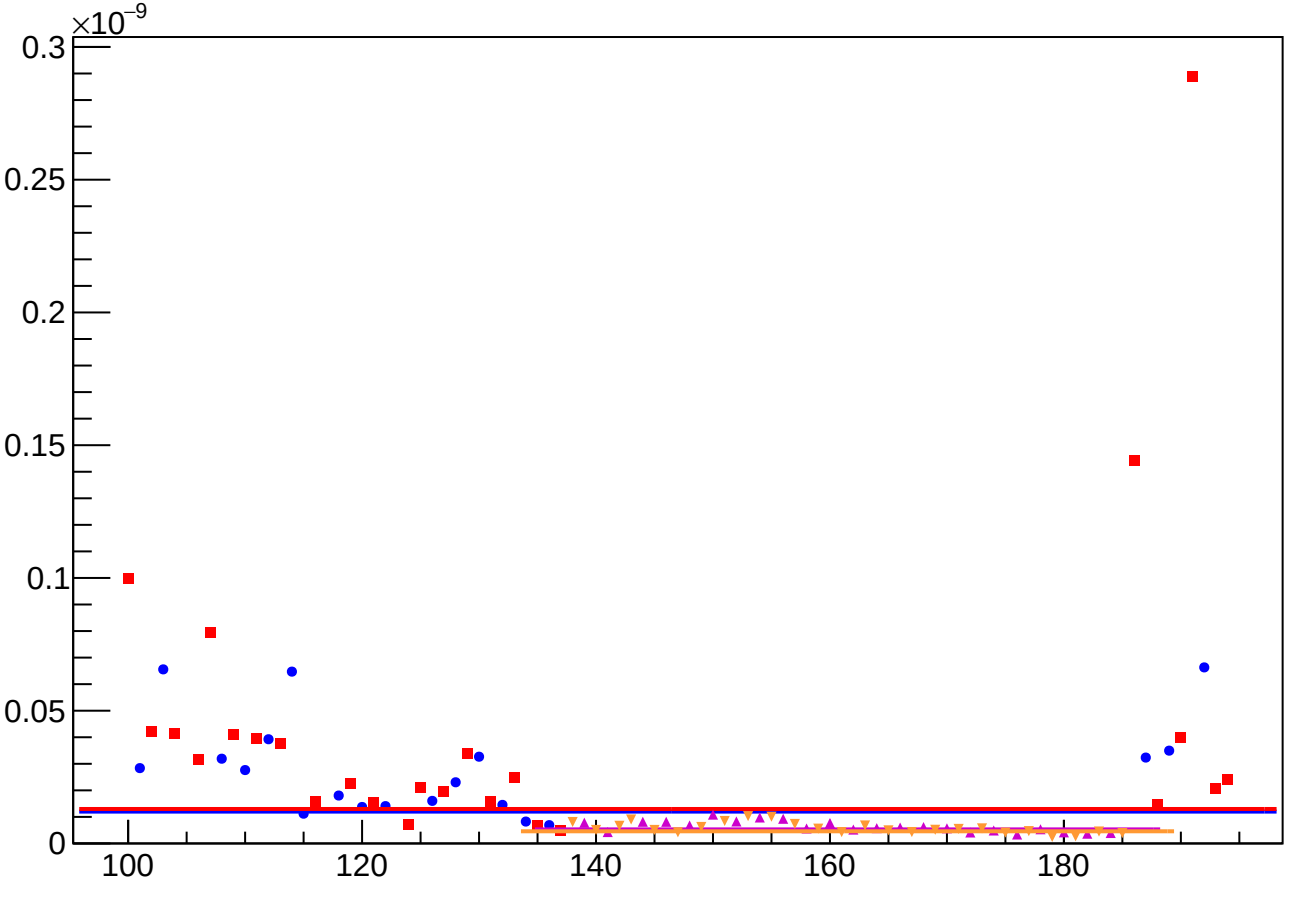
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 43.8/43

In: 0.000+/-0.000 χ^2/NDF:30.7/41

Out: -0.000+/-0.000 χ^2/NDF:45.2/49

All: 0.000+/-0.000 χ^2/NDF: 76.0/91



Right In: 0.000+/-0.000 χ^2/NDF: 4049072.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4630234.0/24

Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5240558.3/47

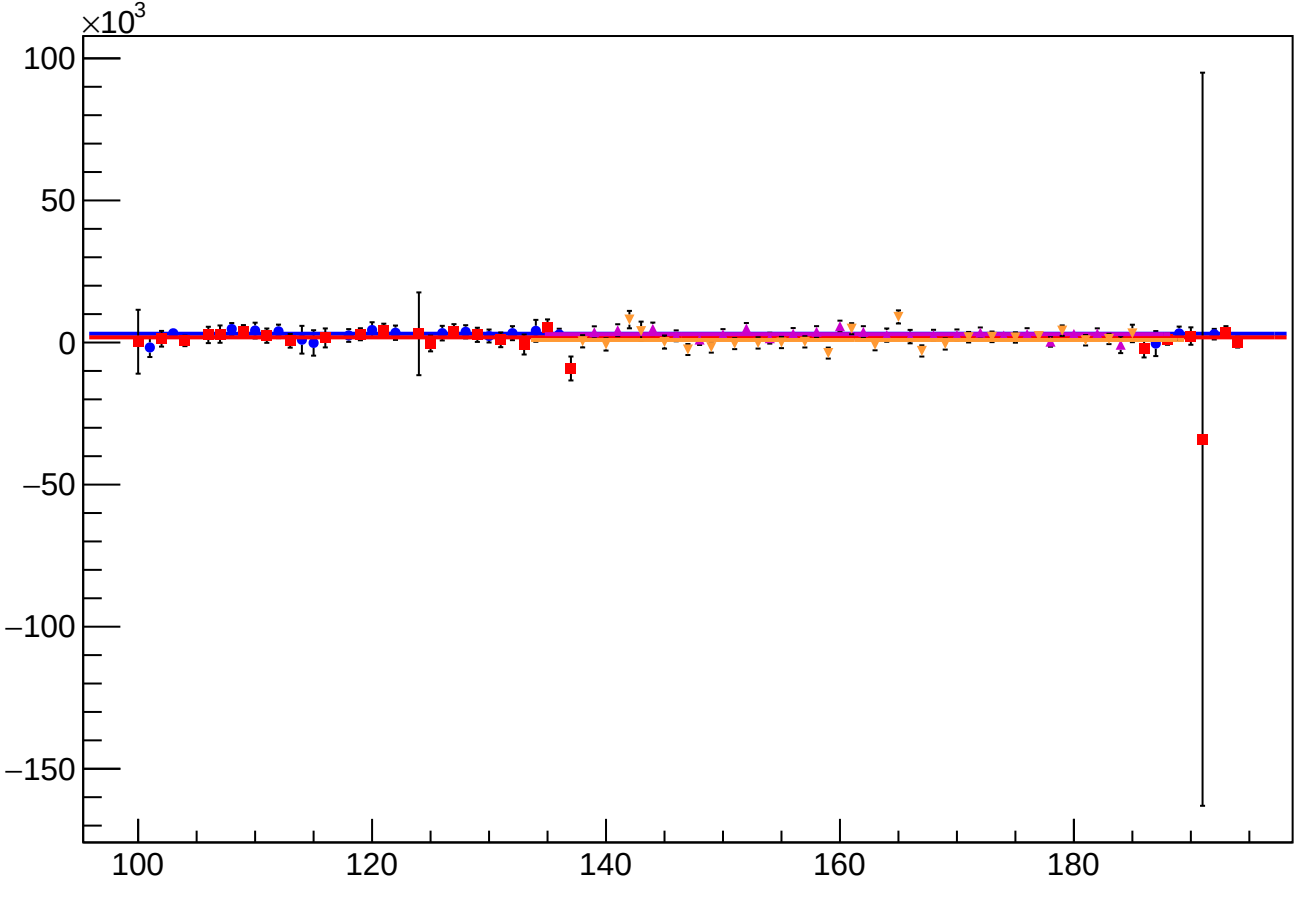
Right: 0.000+/-0.000 χ^2/NDF: 8701527.9/43

In: 0.000+/-0.000 χ^2/NDF:8380406.2/41

Out: 0.000+/-0.000 χ^2/NDF:10296753.1/49

All: 0.000+/-0.000 χ^2/NDF: 18939757.6/91

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3094.858+/-572.922 χ^2/NDF: 5.0/18

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: 1814.913+/-529.143 χ^2/NDF: 17.8/24

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

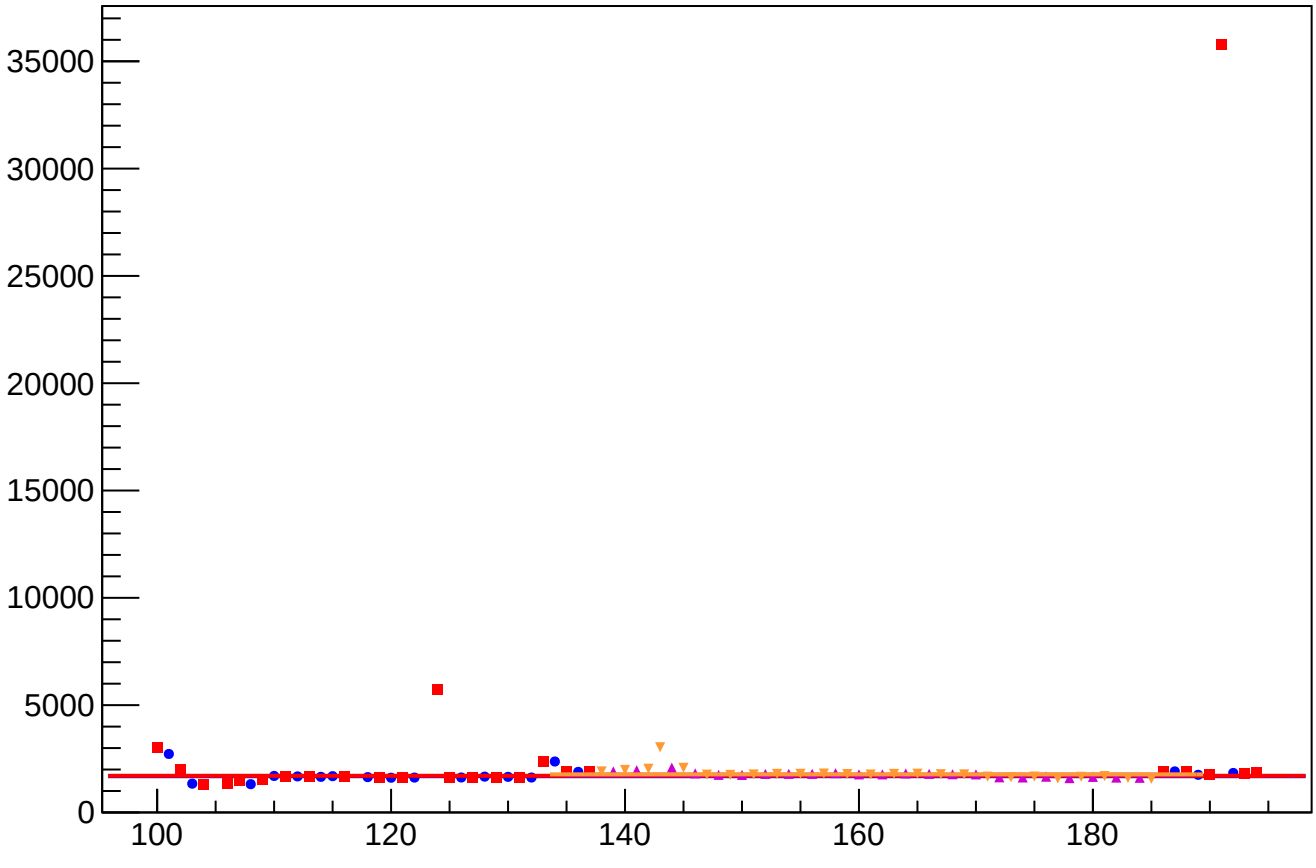
Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

Right: 2404.120+/-388.717 χ^2/NDF: 25.5/43

In: 2994.962+/-334.529 χ^2/NDF:15.6/41

Out: 1237.868+/-321.879 χ^2/NDF:65.0/49

All: 2082.568+/-231.946 χ^2/NDF: 94.9/91



Right In: 1688.945+/-0.405 χ^2/NDF: 438741.9/18

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1708.529+/-0.374 χ^2/NDF: 645492.4/24

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

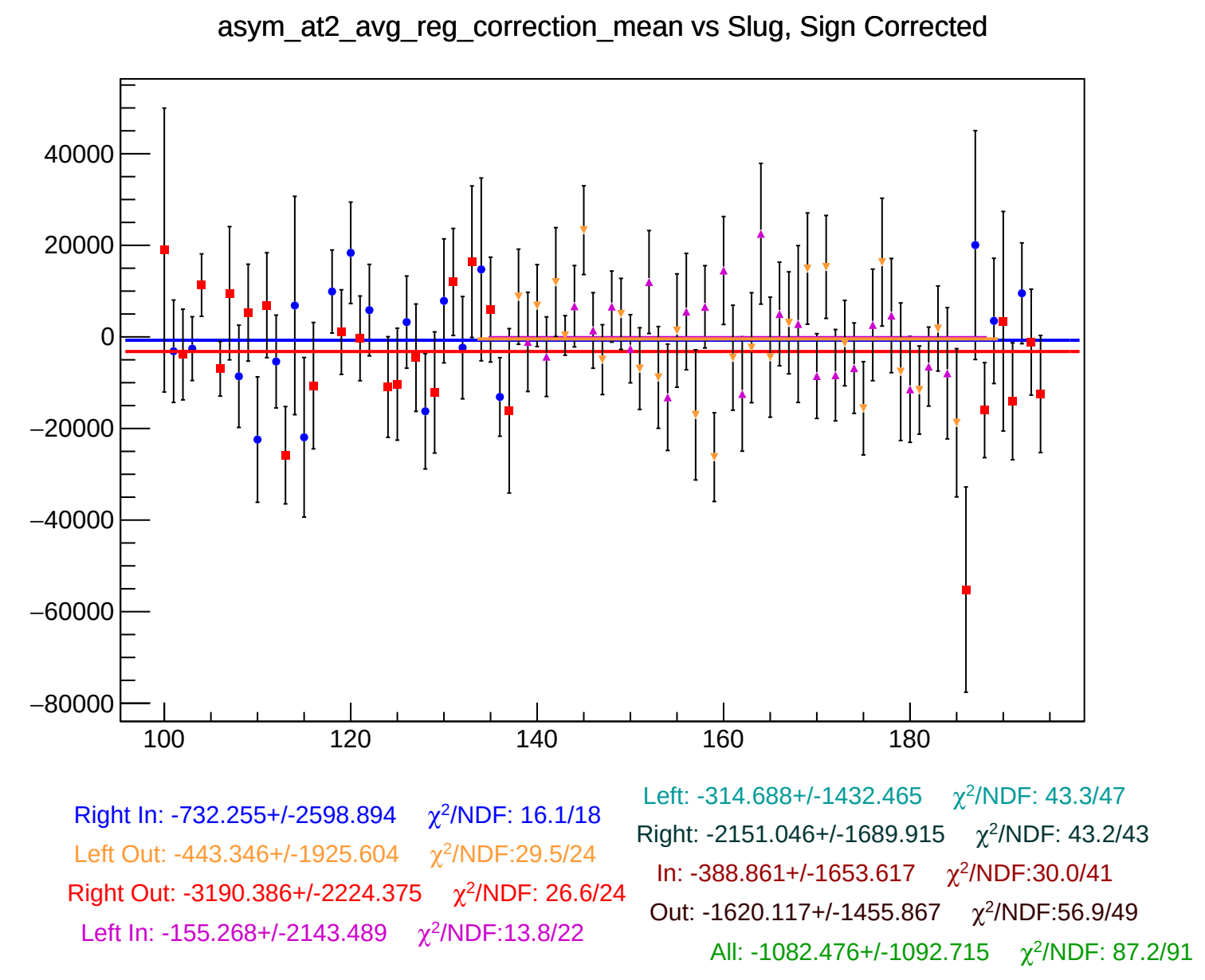
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

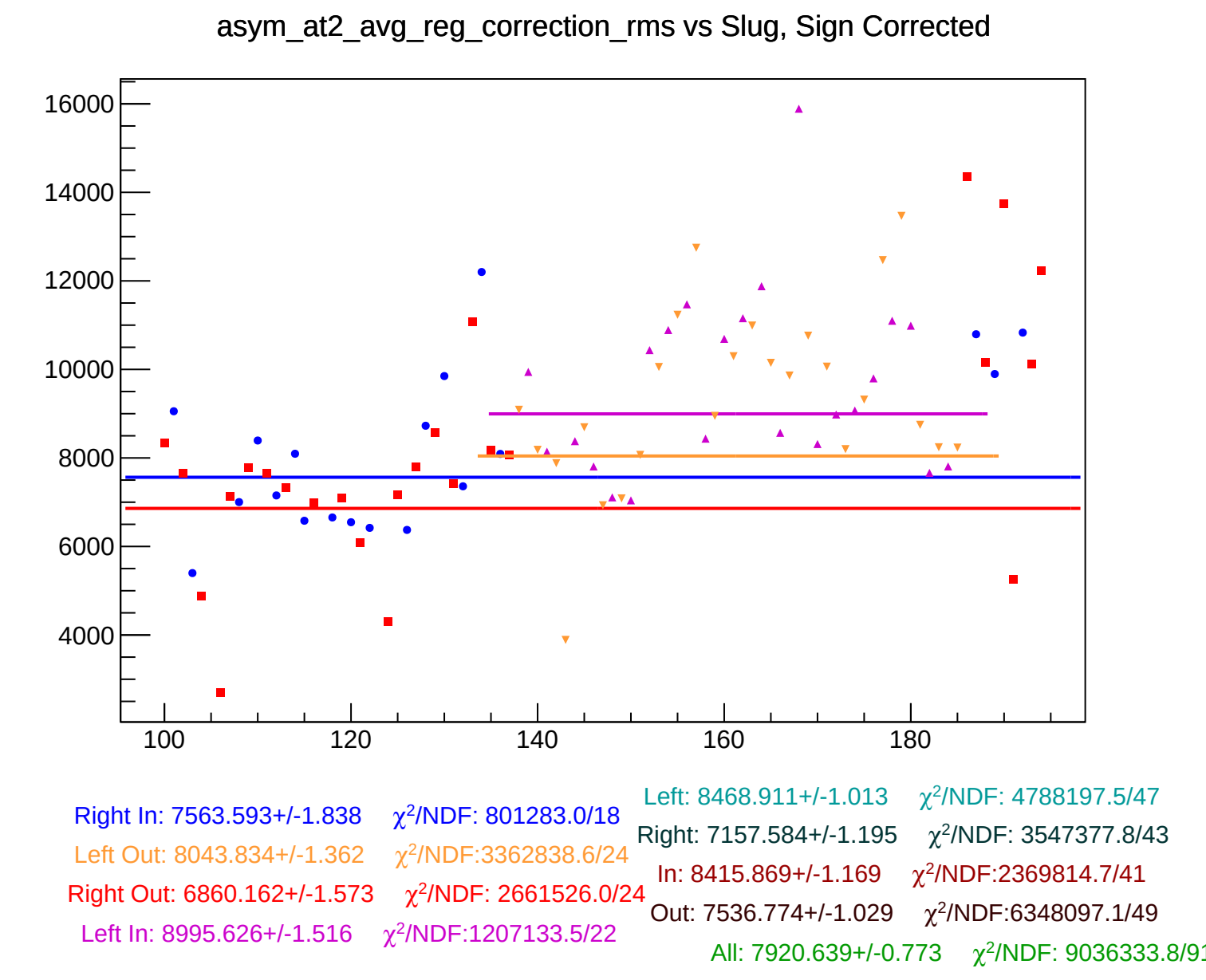
Right: 1699.514+/-0.275 χ^2/NDF: 1085495.5/43

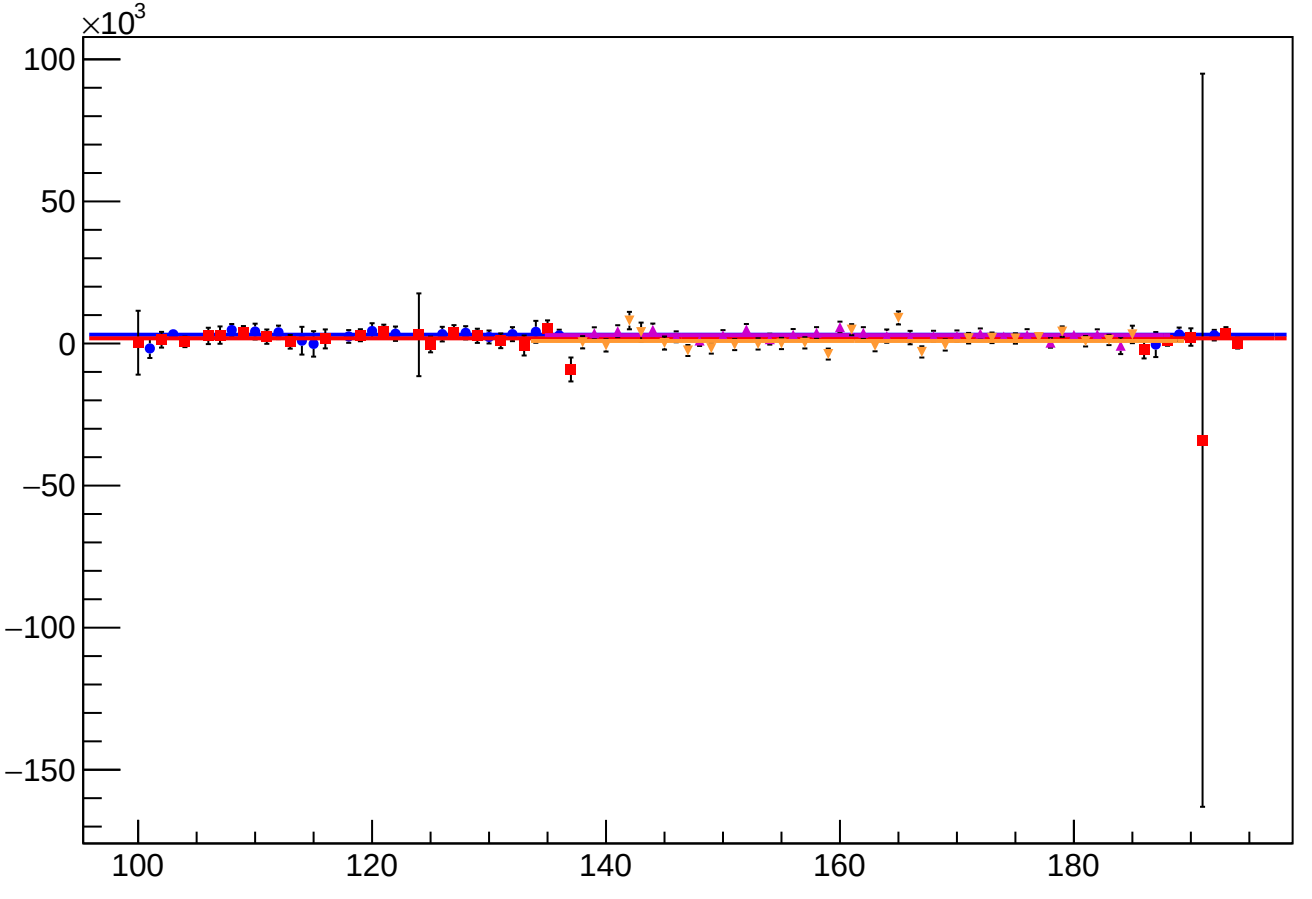
In: 1736.492+/-0.237 χ^2/NDF:605909.1/41

Out: 1750.234+/-0.228 χ^2/NDF:1112109.5/49

All: 1743.628+/-0.164 χ^2/NDF: 1719771.0/91


asym_at2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
Right In: -732.255+/-2598.894 χ²/NDF: 16.1/18
Left Out: -443.346+/-1925.604 χ²/NDF:29.5/24
Right Out: -3190.386+/-2224.375 χ²/NDF: 26.6/24
Left In: -155.268+/-2143.489 χ²/NDF:13.8/22
Left: -314.688+/-1432.465 χ²/NDF: 43.3/47
Right: -2151.046+/-1689.915 χ²/NDF: 43.2/43
In: -388.861+/-1653.617 χ²/NDF:30.0/41
Out: -1620.117+/-1455.867 χ²/NDF:56.9/49
All: -1082.476+/-1092.715 χ²/NDF: 87.2/91


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
Right In: 7563.593+/-1.838 χ²/NDF: 801283.0/18
Left Out: 8043.834+/-1.362 χ²/NDF:3362838.6/24
Right Out: 6860.162+/-1.573 χ²/NDF: 2661526.0/24
Left In: 8995.626+/-1.516 χ²/NDF:1207133.5/22
Left: 8468.911+/-1.013 χ²/NDF: 4788197.5/47
Right: 7157.584+/-1.195 χ²/NDF: 3547377.8/43
In: 8415.869+/-1.169 χ²/NDF:2369814.7/41
Out: 7536.774+/-1.029 χ²/NDF:6348097.1/49
All: 7920.639+/-0.773 χ²/NDF: 9036333.8/91



Right In: 3094.961+/-572.922 χ^2/NDF: 5.0/18

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1814.770+/-529.143 χ^2/NDF: 17.8/24

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

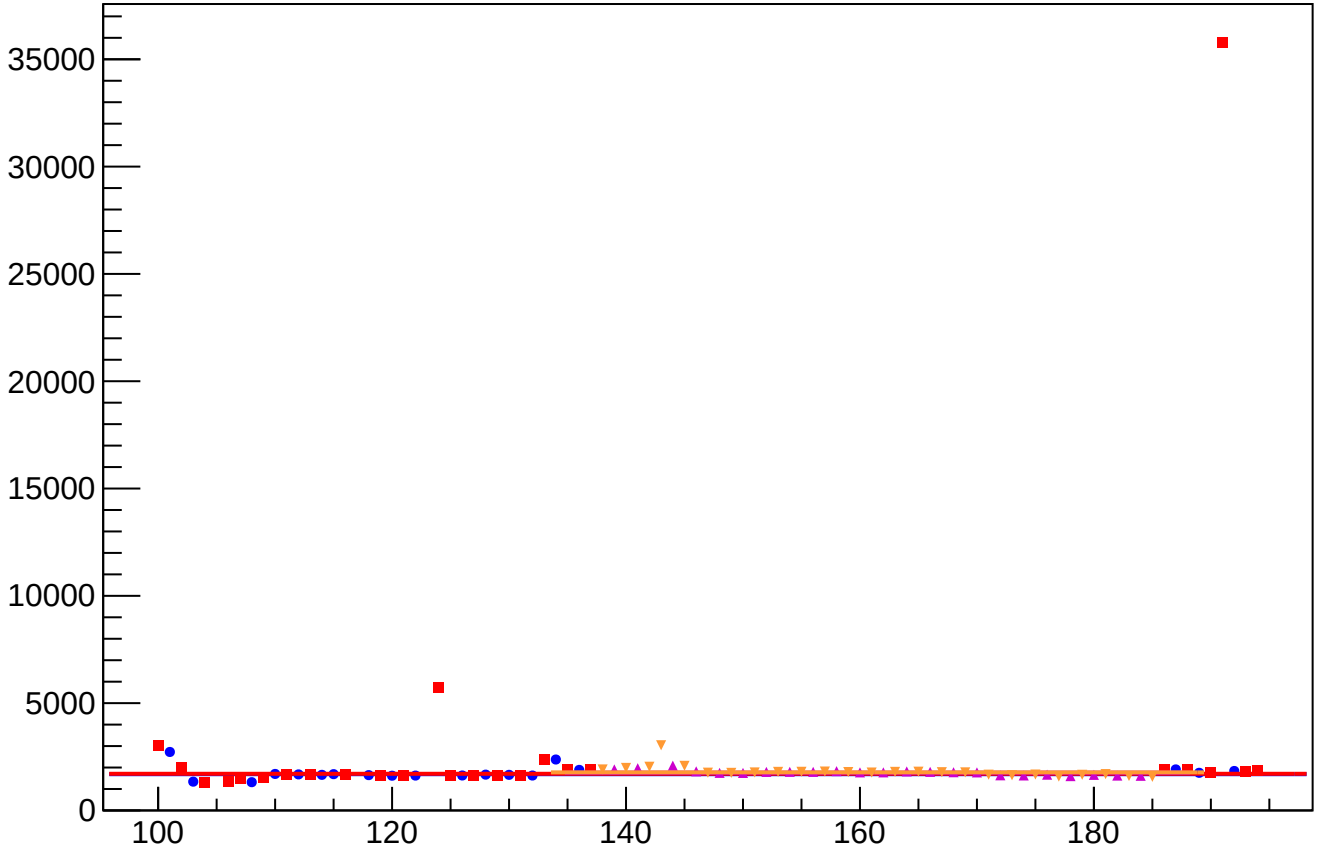
Right: 2404.091+/-388.717 χ^2/NDF: 25.5/43

In: 2994.923+/-334.529 χ^2/NDF:15.6/41

Out: 1237.766+/-321.879 χ^2/NDF:65.0/49

All: 2082.496+/-231.946 χ^2/NDF: 94.9/91

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1688.945+/-0.405 χ^2/NDF: 438742.3/18

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1708.529+/-0.374 χ^2/NDF: 645492.6/24

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

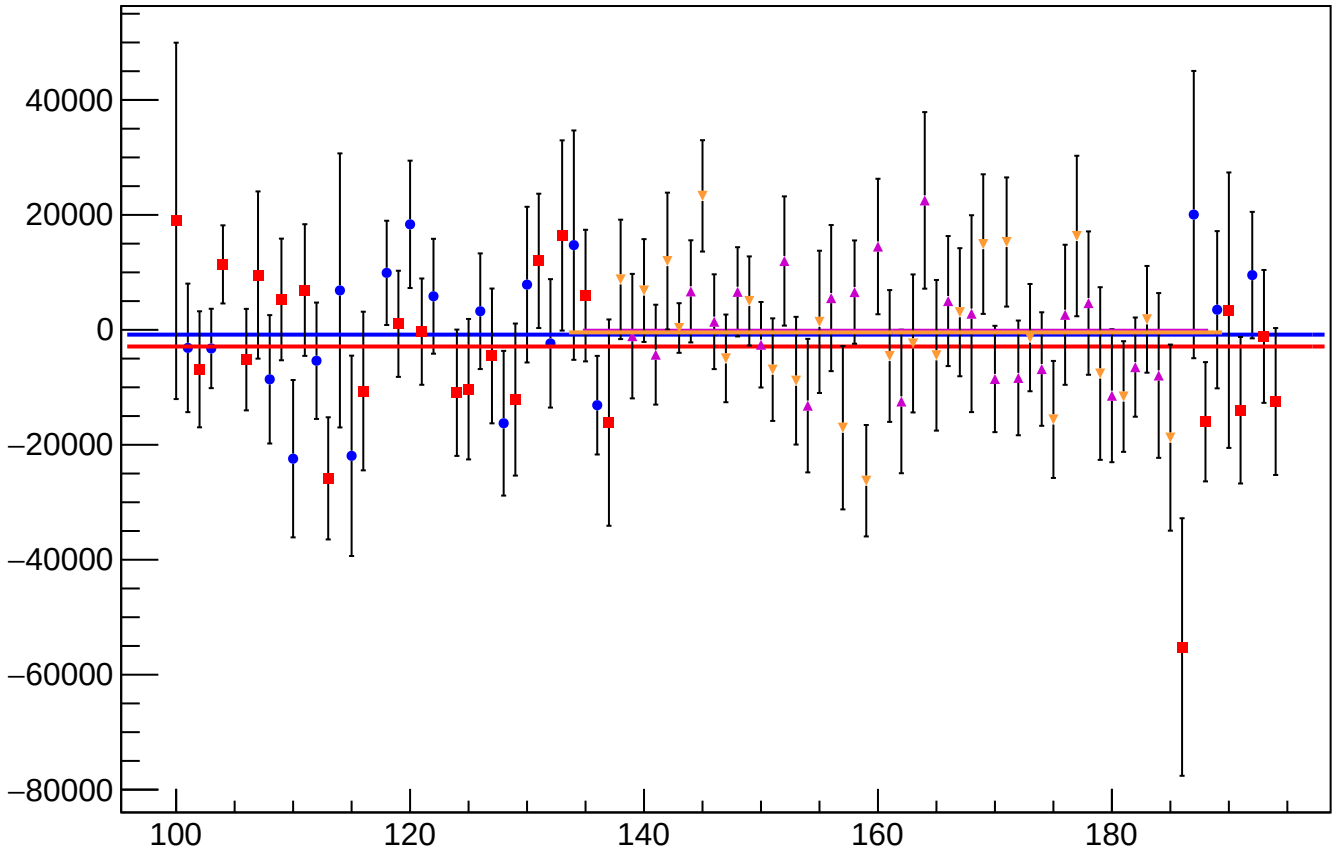
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1699.514+/-0.275 χ^2/NDF: 1085496.0/43

In: 1736.492+/-0.237 χ^2/NDF:605909.5/41

Out: 1750.234+/-0.228 χ^2/NDF:1112109.7/49

All: 1743.628+/-0.164 χ^2/NDF: 1719771.7/91



Right In: -832.695+/-2595.779 χ^2/NDF: 16.2/18

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -2898.129+/-2315.112 χ^2/NDF: 26.4/24

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

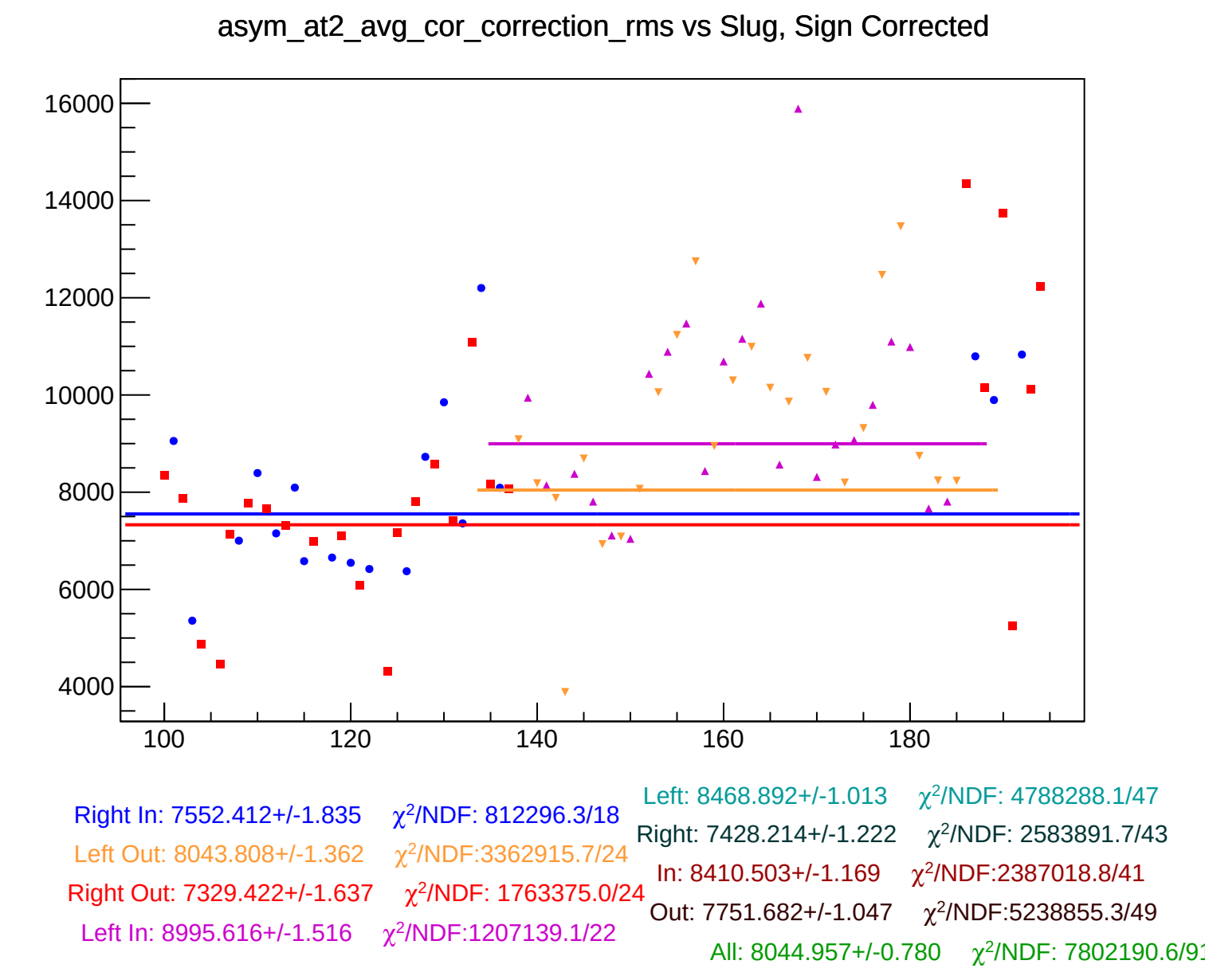
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

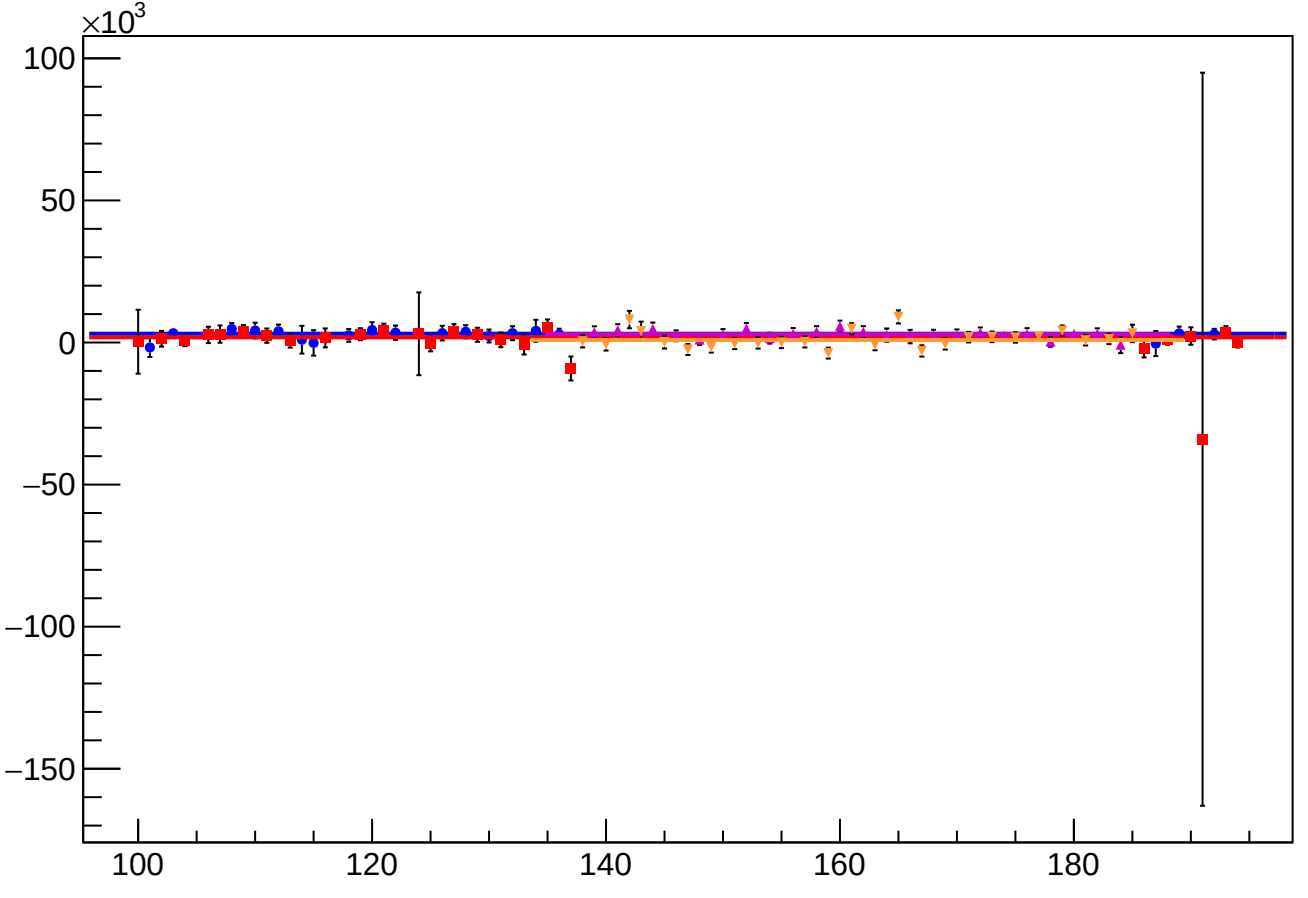
Right: -1983.071+/-1727.772 χ^2/NDF: 43.0/43

In: -429.897+/-1652.813 χ^2/NDF:30.0/41

Out: -1447.175+/-1480.438 χ^2/NDF:56.6/49

All: -994.333+/-1102.751 χ^2/NDF: 86.8/91


asym_at2_avg_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
Right In: 7552.412+/-1.835 χ²/NDF: 812296.3/18
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 7329.422+/-1.637 χ²/NDF: 1763375.0/24
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 7428.214+/-1.222 χ²/NDF: 2583891.7/43
In: 8410.503+/-1.169 χ²/NDF:2387018.8/41
Out: 7751.682+/-1.047 χ²/NDF:5238855.3/49
All: 8044.957+/-0.780 χ²/NDF: 7802190.6/91



Right In: 3094.961+/-572.922 χ^2/NDF: 5.0/18

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1814.770+/-529.143 χ^2/NDF: 17.8/24

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

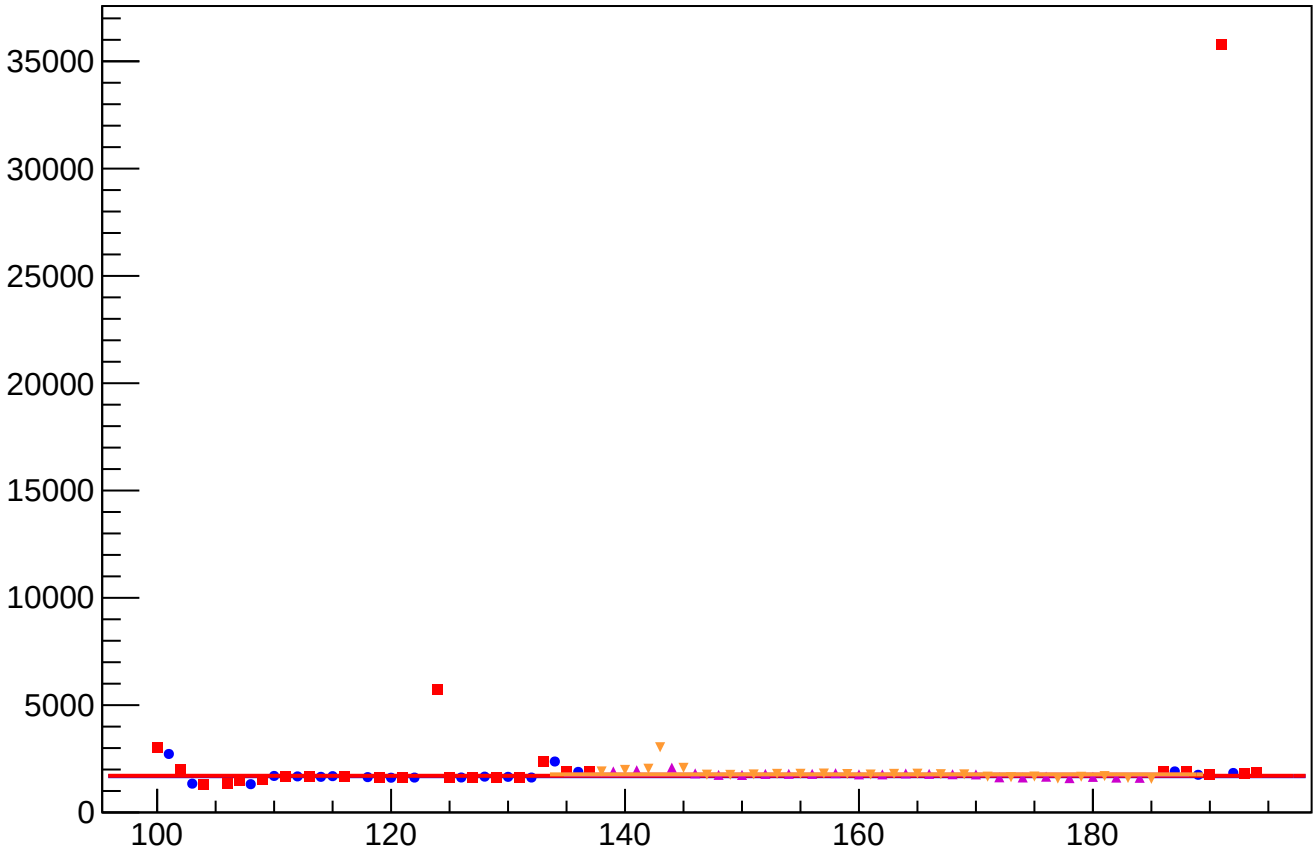
Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

Right: 2404.091+/-388.717 χ^2/NDF: 25.5/43

In: 2994.923+/-334.529 χ^2/NDF:15.6/41

Out: 1237.766+/-321.879 χ^2/NDF:65.0/49

All: 2082.496+/-231.946 χ^2/NDF: 94.9/91



Right In: 1688.945+/-0.405 χ^2/NDF: 438742.3/18

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1708.529+/-0.374 χ^2/NDF: 645492.6/24

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

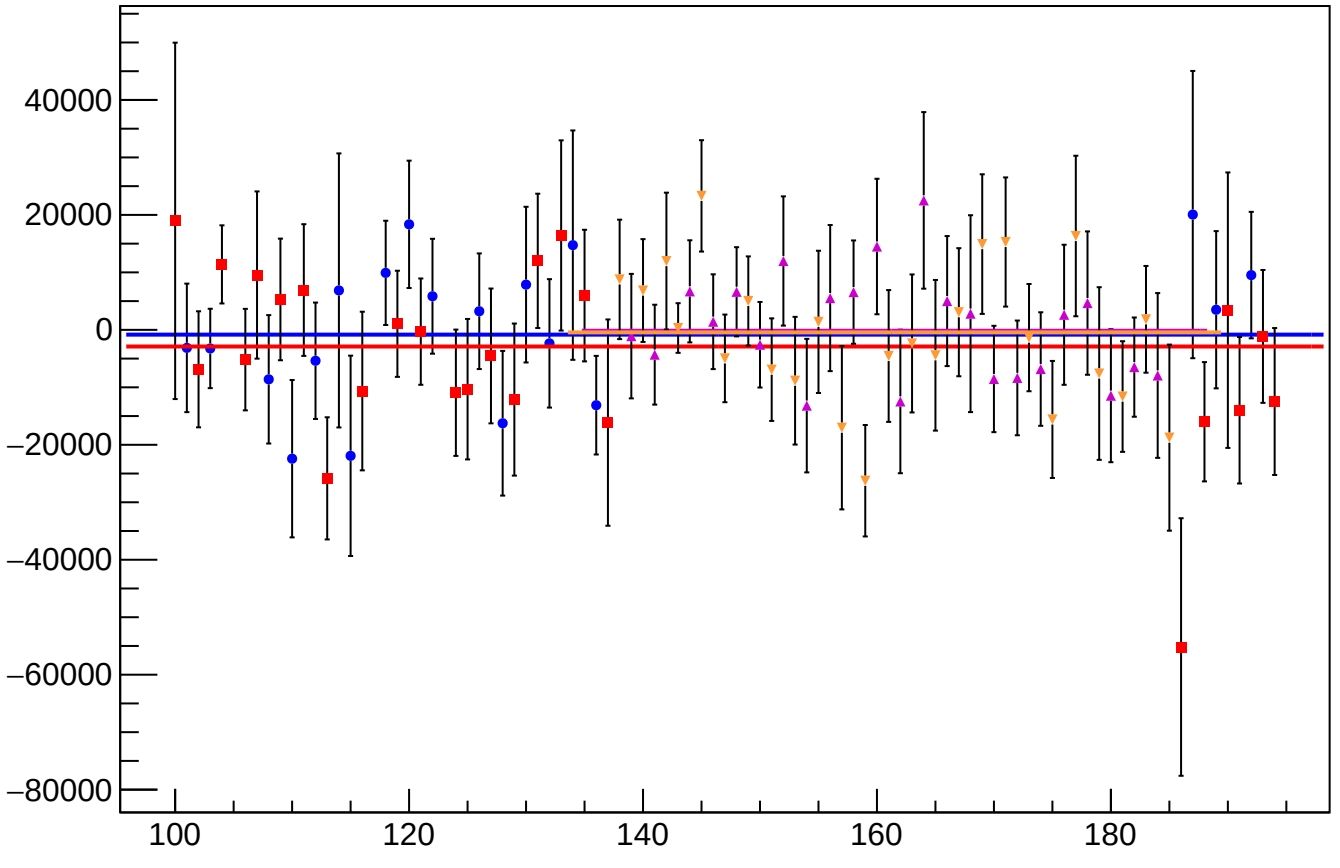
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1699.514+/-0.275 χ^2/NDF: 1085496.0/43

In: 1736.492+/-0.237 χ^2/NDF:605909.5/41

Out: 1750.234+/-0.228 χ^2/NDF:1112109.7/49

All: 1743.628+/-0.164 χ^2/NDF: 1719771.7/91



Right In: -832.695+/-2595.779 χ^2/NDF: 16.2/18

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -2898.129+/-2315.112 χ^2/NDF: 26.4/24

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

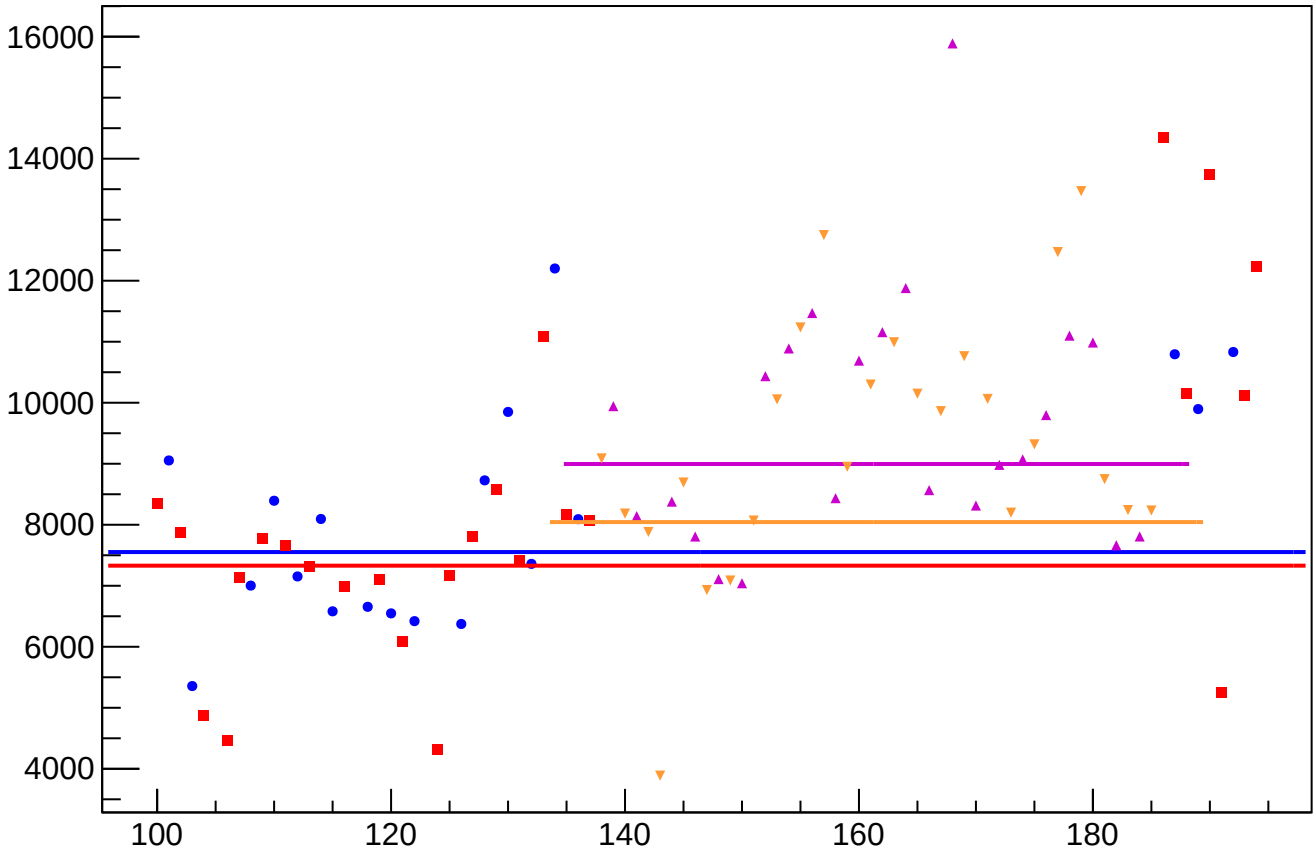
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -1983.071+/-1727.772 χ^2/NDF: 43.0/43

In: -429.897+/-1652.813 χ^2/NDF:30.0/41

Out: -1447.175+/-1480.438 χ^2/NDF:56.6/49

All: -994.333+/-1102.751 χ^2/NDF: 86.8/91



Right In: 7552.412+/-1.835 χ^2/NDF: 812296.3/18

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 7329.422+/-1.637 χ^2/NDF: 1763375.0/24

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

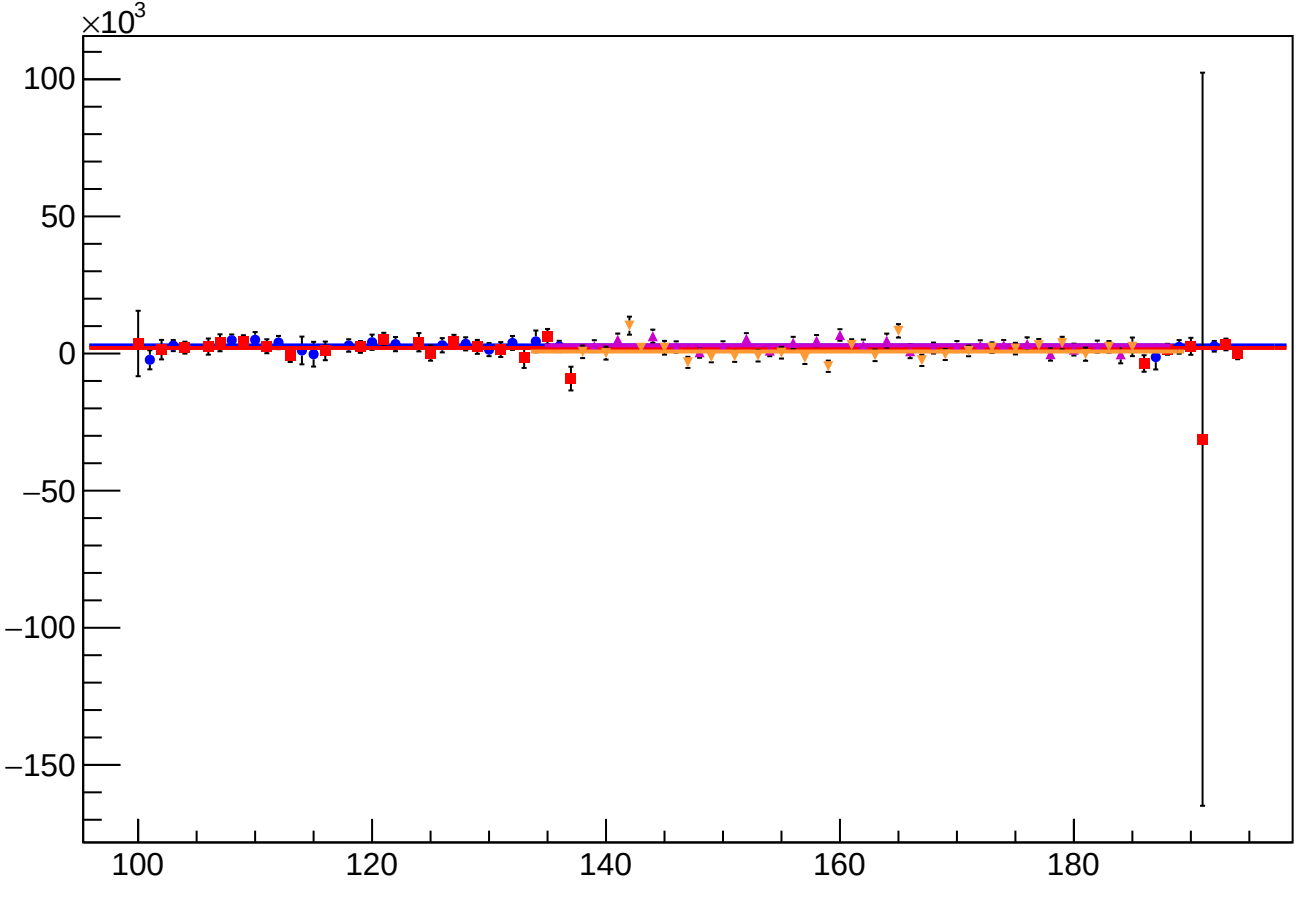
Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

Right: 7428.214+/-1.222 χ^2/NDF: 2583891.7/43

In: 8410.503+/-1.169 χ^2/NDF:2387018.8/41

Out: 7751.682+/-1.047 χ^2/NDF:5238855.3/49

All: 8044.957+/-0.780 χ^2/NDF: 7802190.6/91



Right In: 2957.028+/-593.788 χ^2/NDF: 6.3/18

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: 2027.648+/-542.859 χ^2/NDF: 21.6/24

Left In: 2979.225+/-450.334 χ^2/NDF:15.6/22

Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

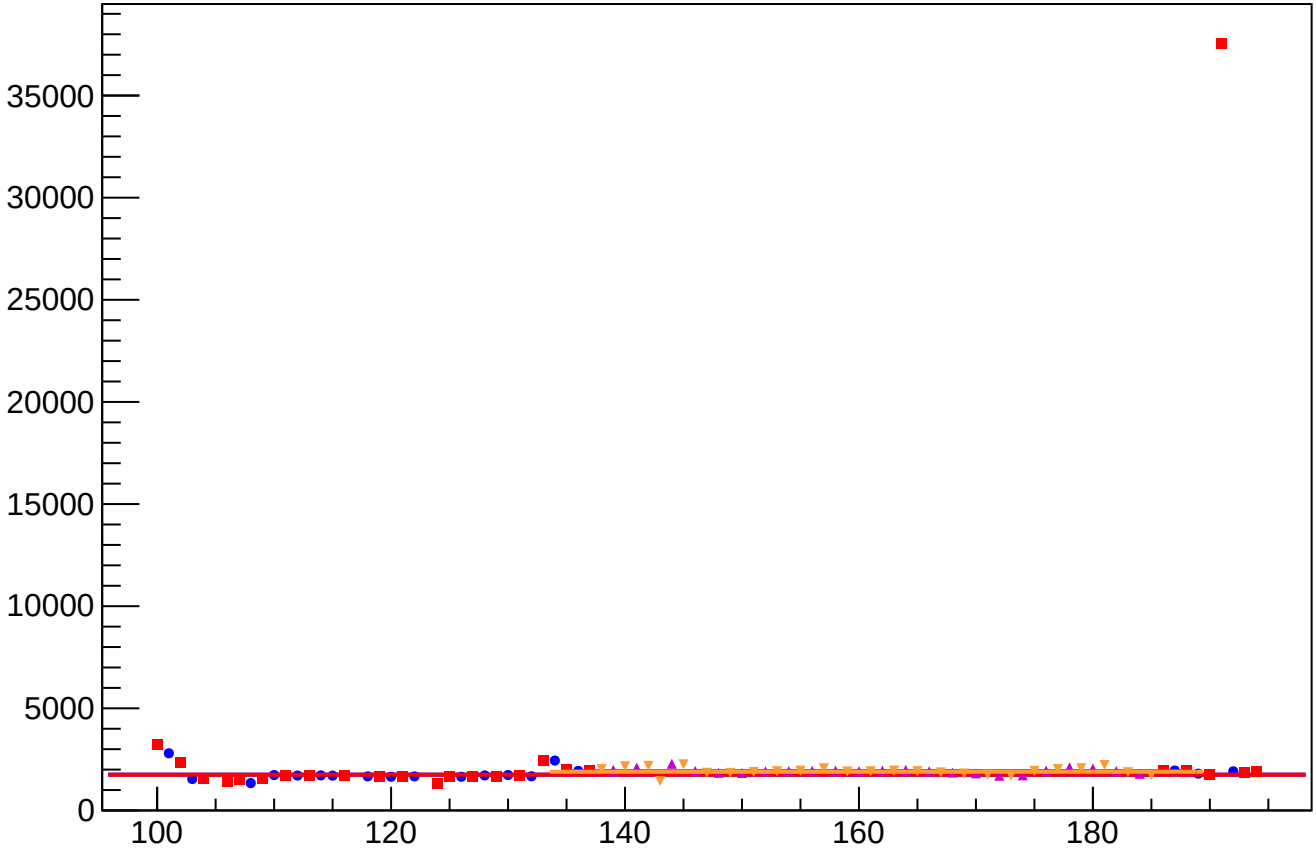
Right: 2450.779+/-400.657 χ^2/NDF: 29.2/43

In: 2971.119+/-358.814 χ^2/NDF:22.0/41

Out: 1239.914+/-338.449 χ^2/NDF:66.6/49

All: 2054.996+/-246.204 χ^2/NDF: 100.9/91

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1751.863+/-0.420 χ^2/NDF: 387759.3/18

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1751.427+/-0.384 χ^2/NDF: 497153.5/24

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

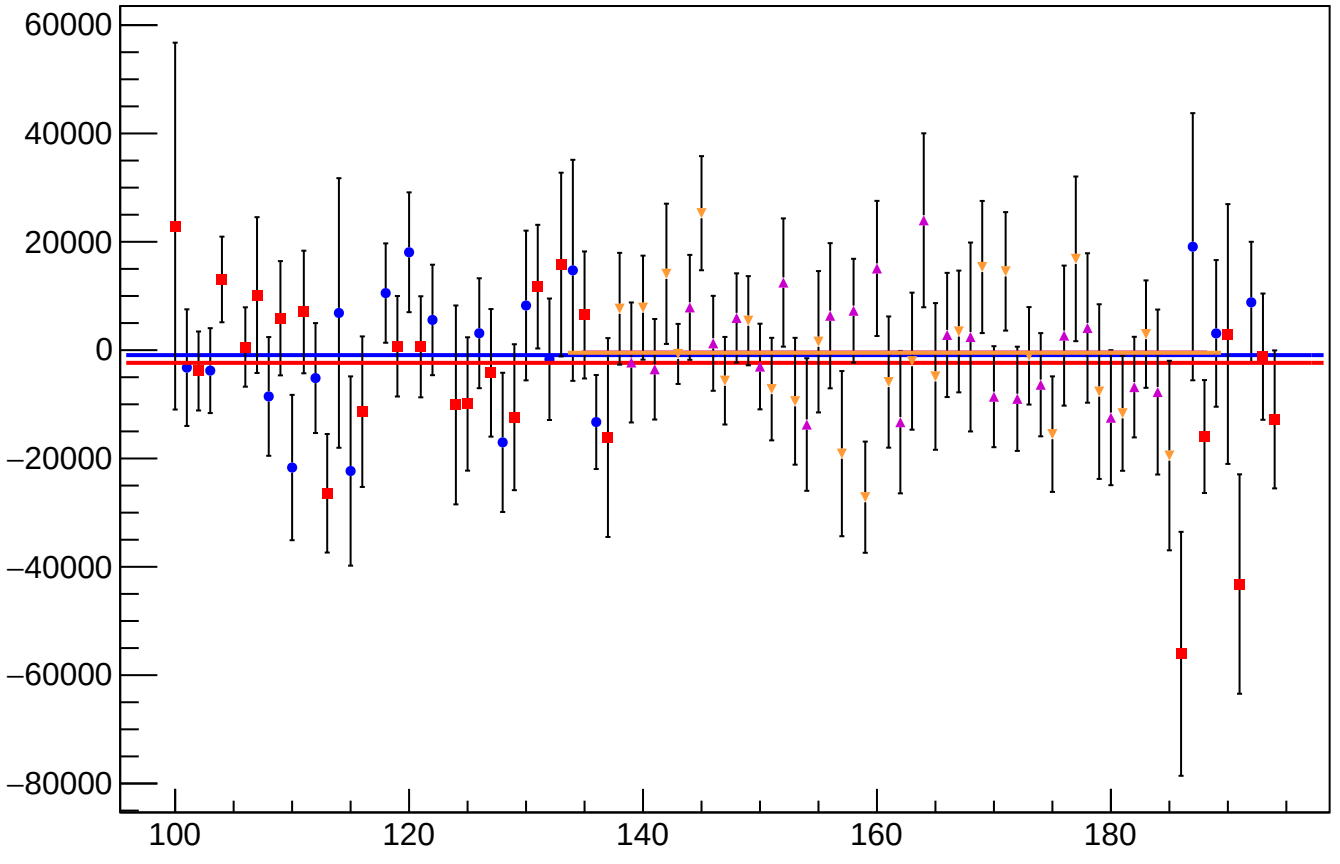
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1751.625+/-0.283 χ^2/NDF: 884913.4/43

In: 1860.533+/-0.254 χ^2/NDF:644252.4/41

Out: 1838.982+/-0.239 χ^2/NDF:950911.0/49

All: 1849.127+/-0.174 χ^2/NDF: 1598981.8/91



Right In: -918.494+/-2646.165 χ^2/NDF: 16.0/18

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: -2346.279+/-2323.909 χ^2/NDF: 29.2/24

Left In: -436.717+/-2245.180 χ^2/NDF:13.6/22

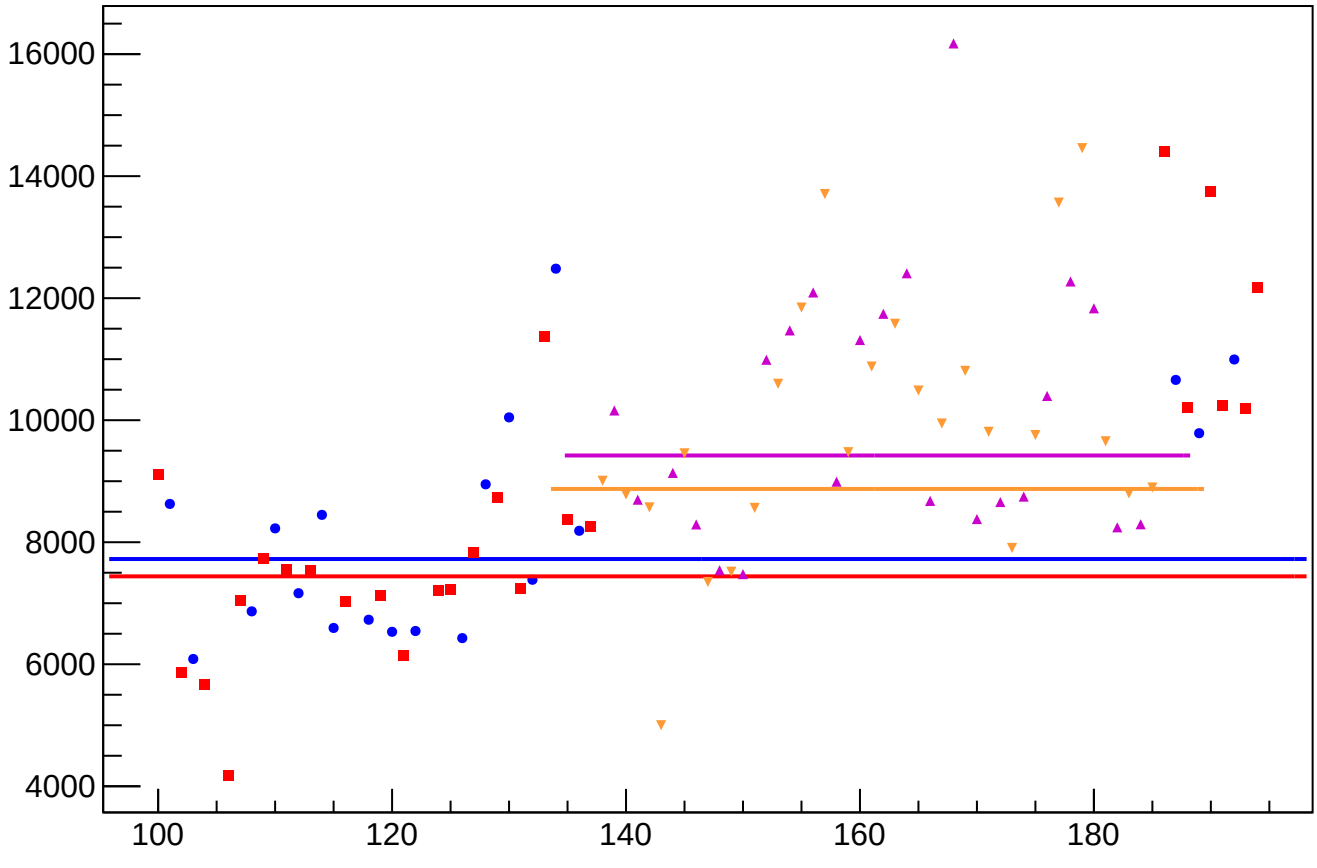
Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

Right: -1724.576+/-1746.132 χ^2/NDF: 45.4/43

In: -638.374+/-1711.987 χ^2/NDF:29.6/41

Out: -1313.812+/-1553.675 χ^2/NDF:58.4/49

All: -1008.760+/-1150.521 χ^2/NDF: 88.1/91



Right In: 7724.619+/-1.871 χ^2/NDF: 675900.8/18

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 7440.746+/-1.643 χ^2/NDF: 1686446.1/24

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

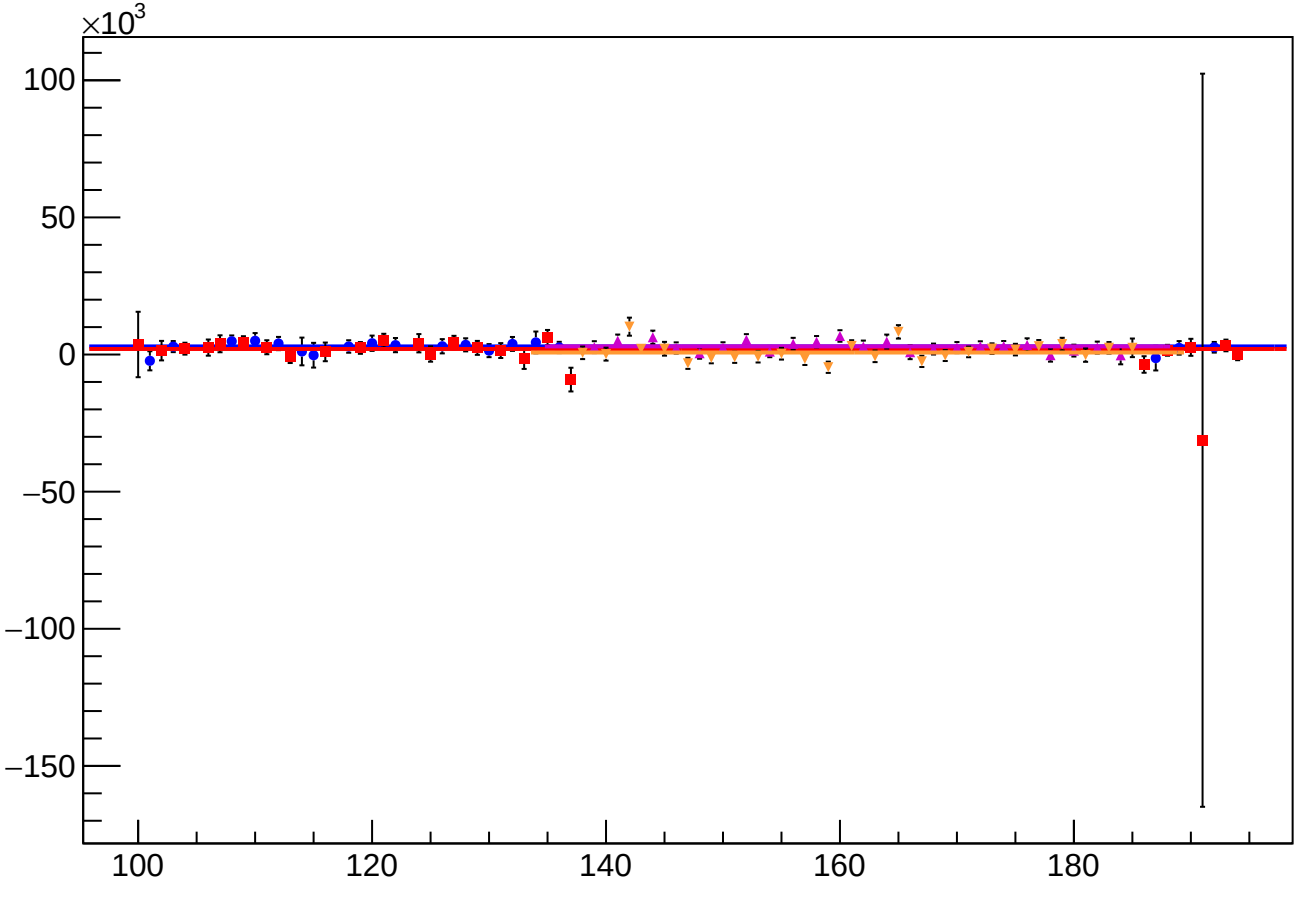
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 7564.353+/-1.235 χ^2/NDF: 2375341.4/43

In: 8711.359+/-1.211 χ^2/NDF:2359052.1/41

Out: 8233.148+/-1.099 χ^2/NDF:4310167.6/49

All: 8449.125+/-0.814 χ^2/NDF: 6754793.2/91



Right In: 2957.031+/-593.788 χ^2/NDF: 6.3/18

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: 2027.654+/-542.858 χ^2/NDF: 21.6/24

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

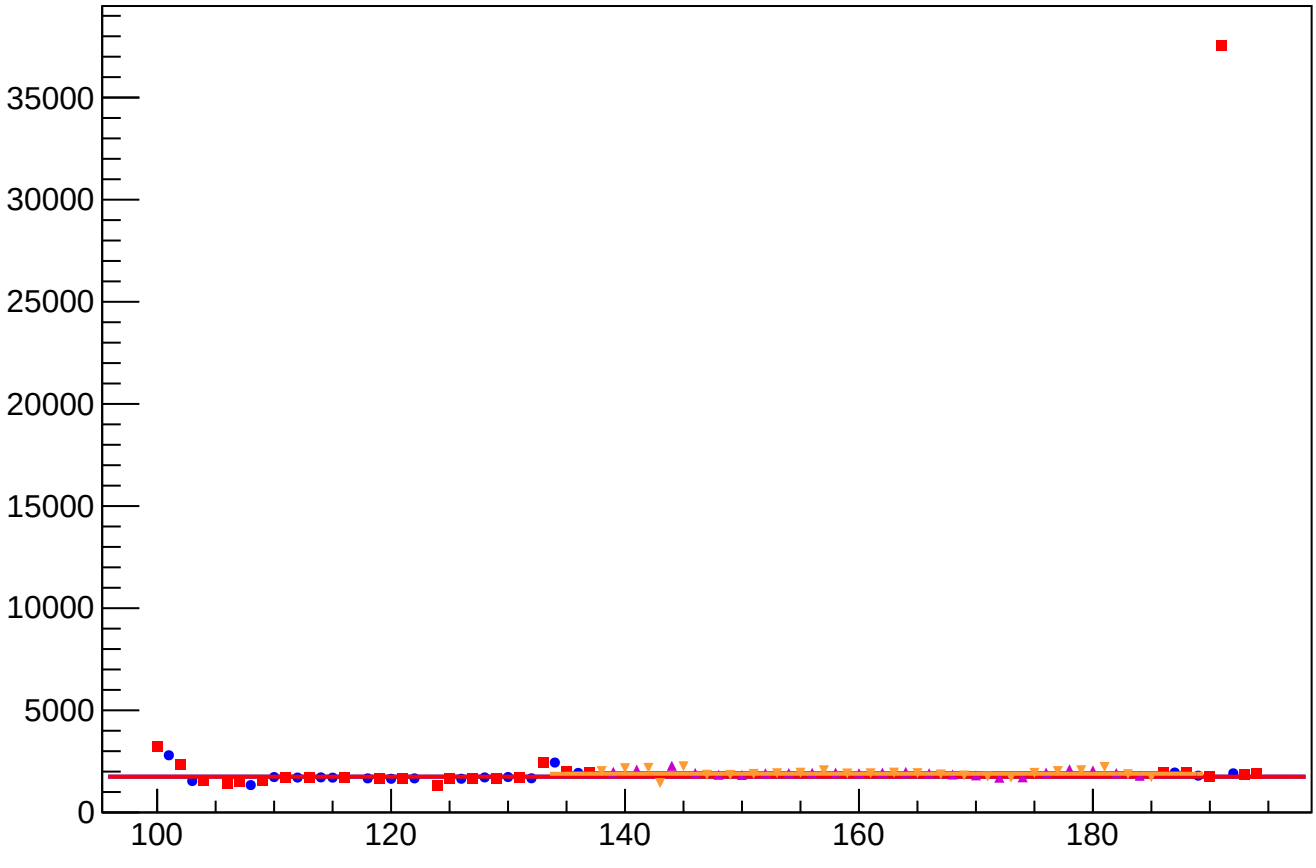
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2450.783+/-400.656 χ^2/NDF: 29.2/43

In: 2971.121+/-358.814 χ^2/NDF:22.0/41

Out: 1239.910+/-338.449 χ^2/NDF:66.6/49

All: 2054.995+/-246.205 χ^2/NDF: 100.9/91



Right In: 1751.862+/-0.420 χ^2/NDF: 387759.0/18

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1751.427+/-0.384 χ^2/NDF: 497154.0/24

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

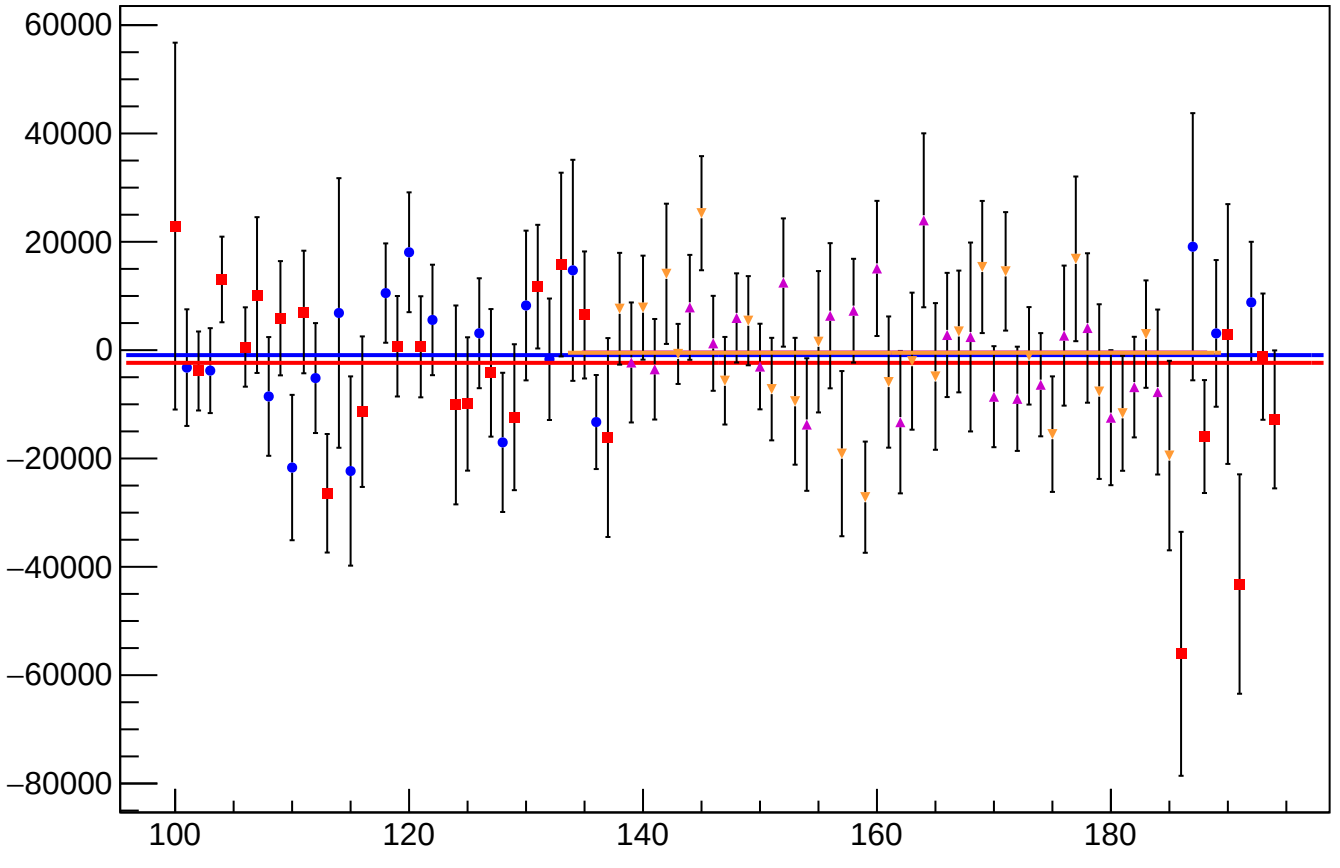
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1751.625+/-0.283 χ^2/NDF: 884913.6/43

In: 1860.535+/-0.254 χ^2/NDF:644264.5/41

Out: 1838.984+/-0.239 χ^2/NDF:950923.0/49

All: 1849.129+/-0.174 χ^2/NDF: 1599005.9/91



Right In: -918.479+/-2646.160 χ^2/NDF: 16.0/18

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: -2346.264+/-2323.905 χ^2/NDF: 29.2/24

Left In: -436.720+/-2245.183 χ^2/NDF:13.6/22

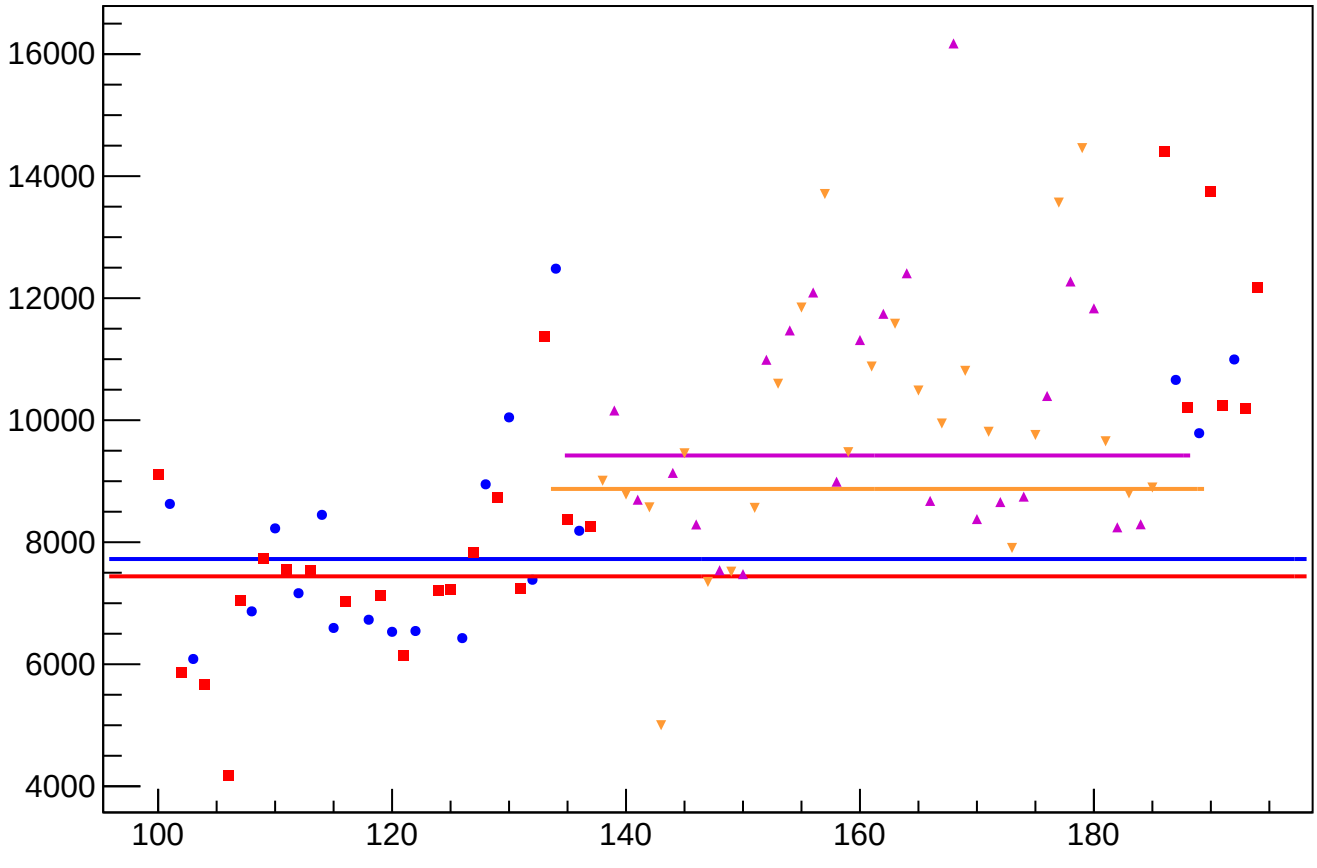
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -1724.560+/-1746.129 χ^2/NDF: 45.4/43

In: -638.370+/-1711.987 χ^2/NDF:29.6/41

Out: -1313.812+/-1553.675 χ^2/NDF:58.4/49

All: -1008.758+/-1150.521 χ^2/NDF: 88.1/91



Right In: 7724.603+/-1.871 χ^2/NDF: 675907.9/18

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 7440.732+/-1.643 χ^2/NDF: 1686453.5/24

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

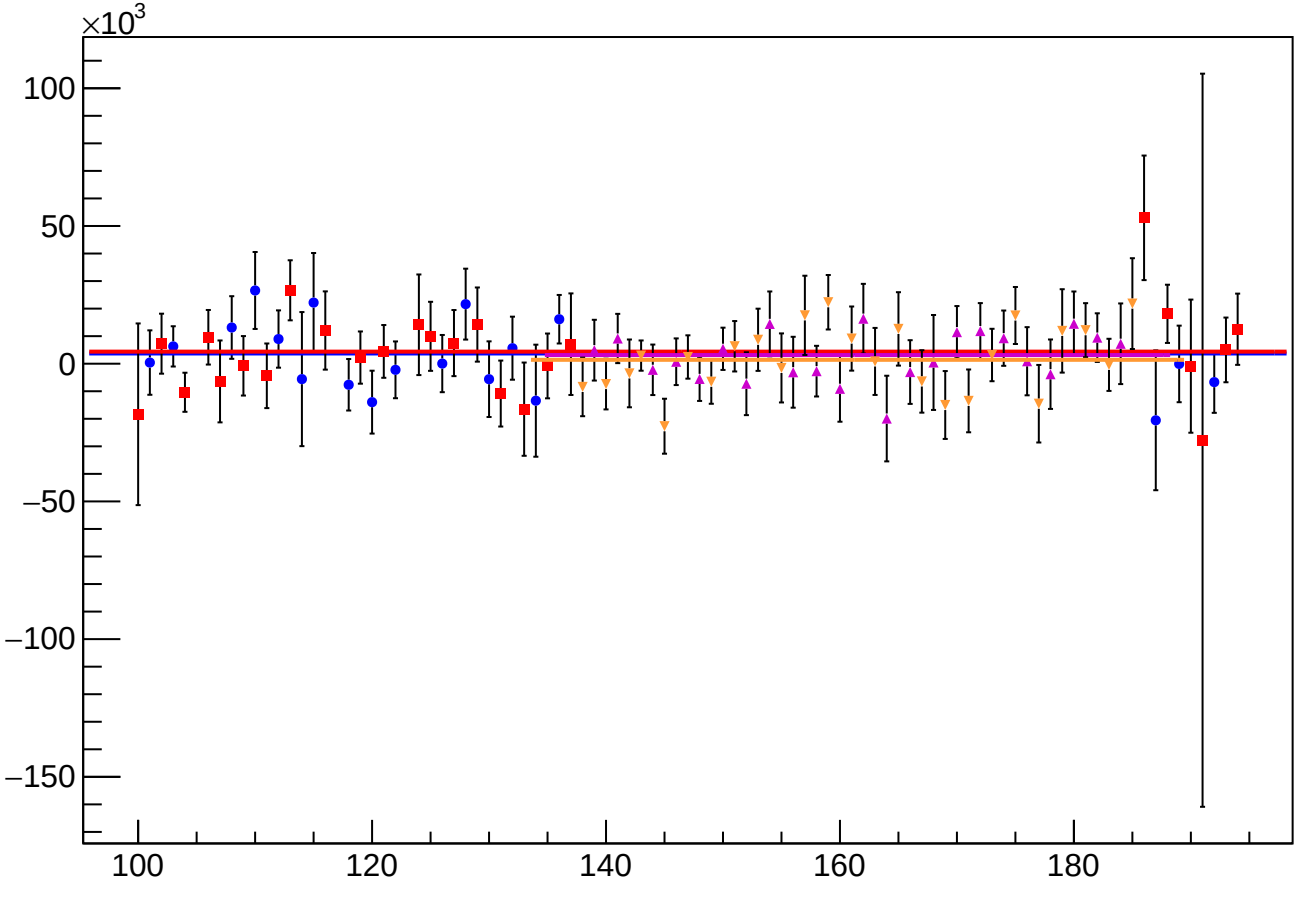
Right: 7564.339+/-1.235 χ^2/NDF: 2375355.8/43

In: 8711.358+/-1.211 χ^2/NDF:2359080.7/41

Out: 8233.147+/-1.099 χ^2/NDF:4310193.2/49

All: 8449.124+/-0.814 χ^2/NDF: 6754847.1/91

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3711.746+/-2675.366 χ^2/NDF: 16.3/18

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: 4385.440+/-2472.832 χ^2/NDF: 22.2/24

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

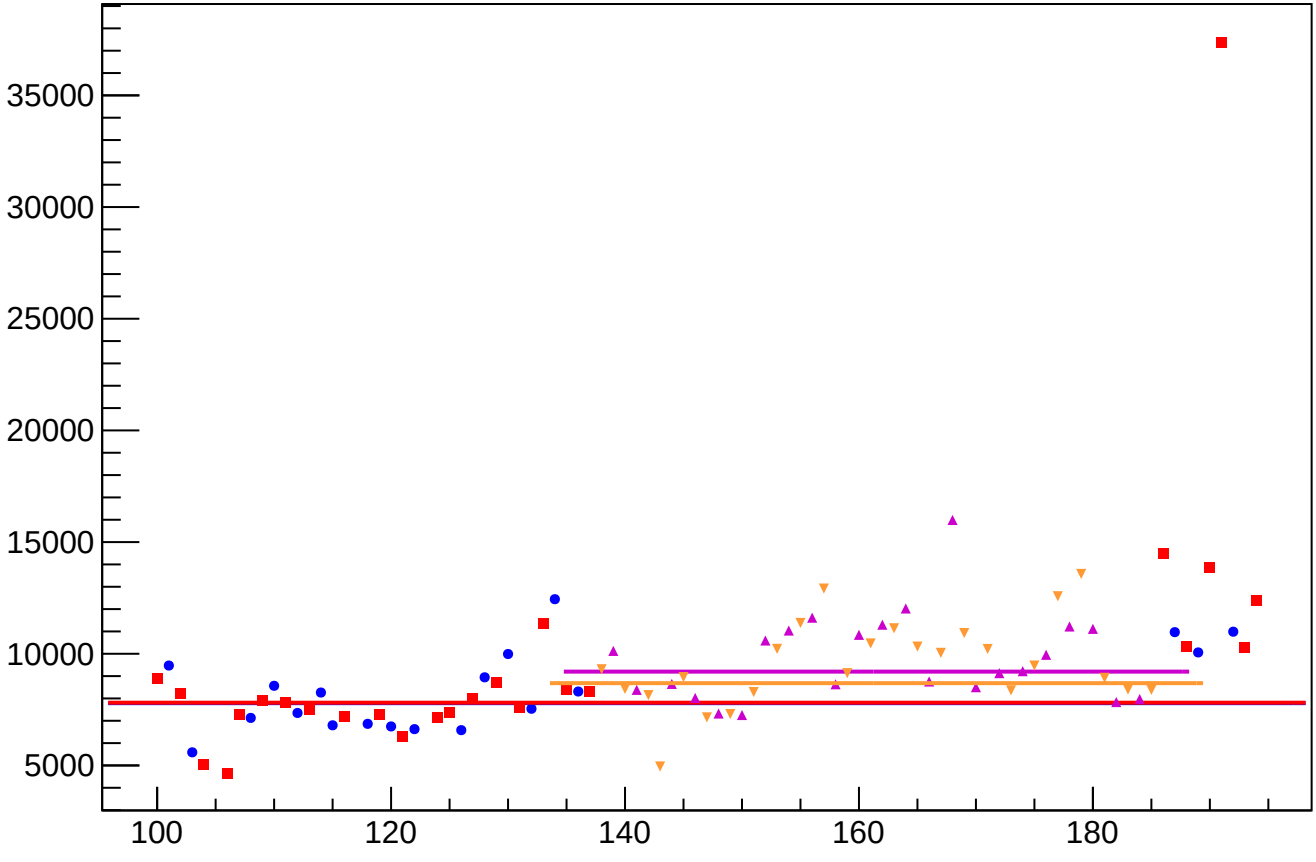
Right: 4075.055+/-1815.941 χ^2/NDF: 38.6/43

In: 3368.890+/-1694.388 χ^2/NDF:29.3/41

Out: 2613.875+/-1573.586 χ^2/NDF:50.5/49

All: 2963.511+/-1153.037 χ^2/NDF: 80.0/91

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7789.060+/-1.892 χ^2/NDF: 764243.2/18

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 7809.325+/-1.748 χ^2/NDF: 1540102.9/24

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

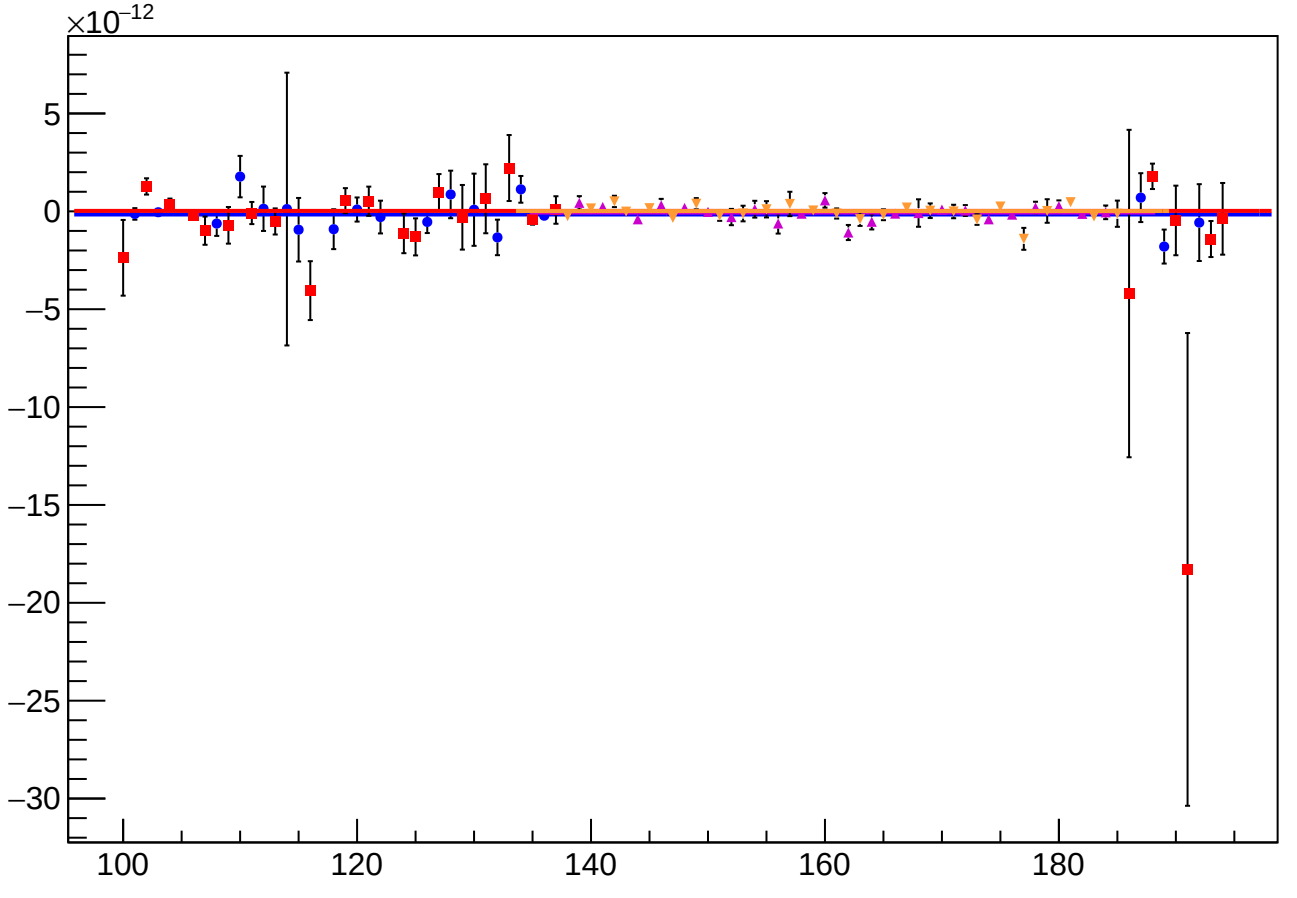
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 7799.989+/-1.284 χ^2/NDF: 2304408.0/43

In: 8634.535+/-1.198 χ^2/NDF:2227186.6/41

Out: 8330.105+/-1.113 χ^2/NDF:3740824.4/49

All: 8471.078+/-0.815 χ^2/NDF: 6002676.4/91



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 45.3/24

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

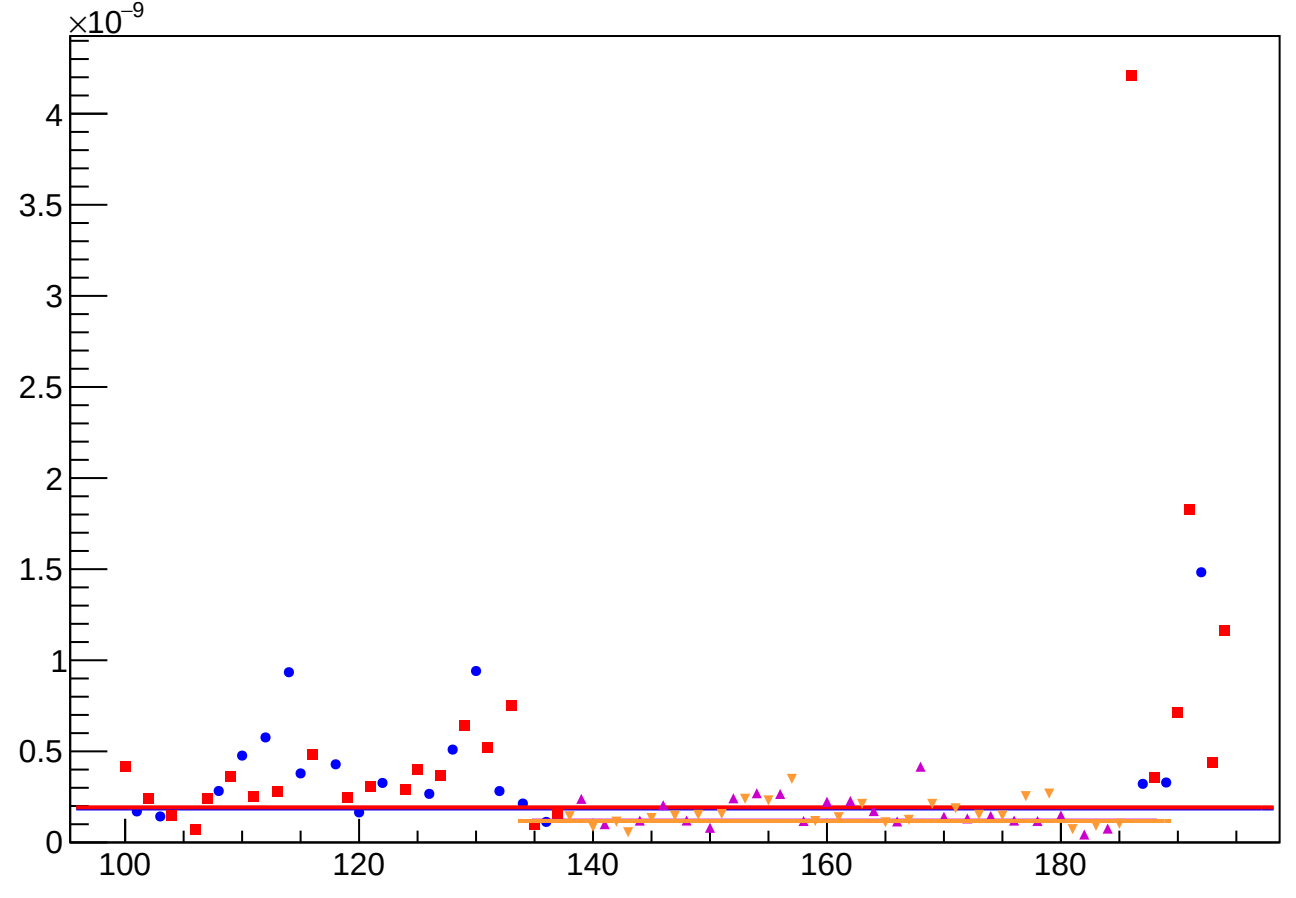
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 62.2/43

In: -0.000+/-0.000 χ^2/NDF:44.1/41

Out: 0.000+/-0.000 χ^2/NDF:74.2/49

All: -0.000+/-0.000 χ^2/NDF: 120.3/91



Right In: 0.000+/-0.000 χ^2/NDF: 2491311.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3185257.8/24

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

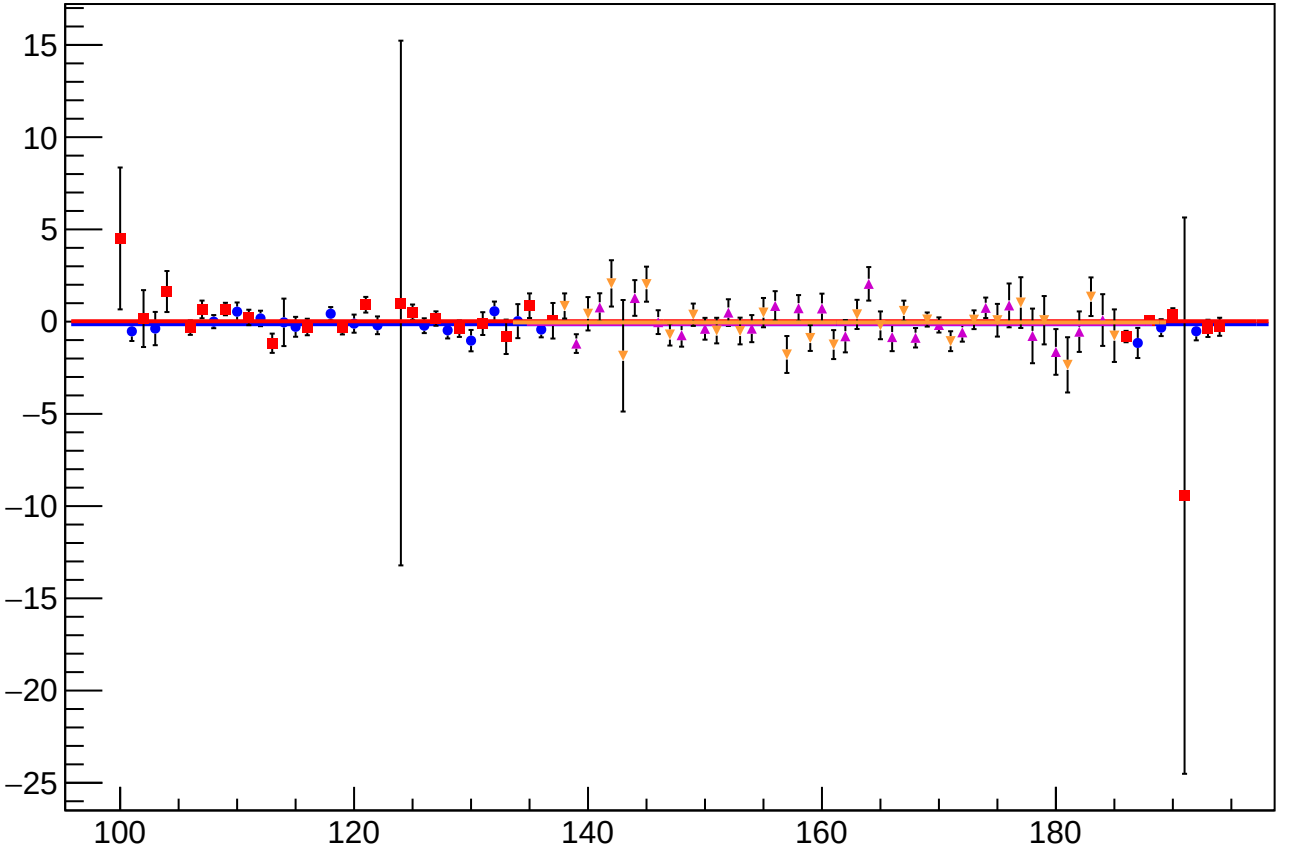
Right: 0.000+/-0.000 χ^2/NDF: 5679371.5/43

In: 0.000+/-0.000 χ^2/NDF:5685316.5/41

Out: 0.000+/-0.000 χ^2/NDF:6197709.2/49

All: 0.000+/-0.000 χ^2/NDF: 11885227.9/91

asym_at2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.139+/-0.113 χ^2/NDF: 13.3/18

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.021+/-0.087 χ^2/NDF: 35.9/24

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

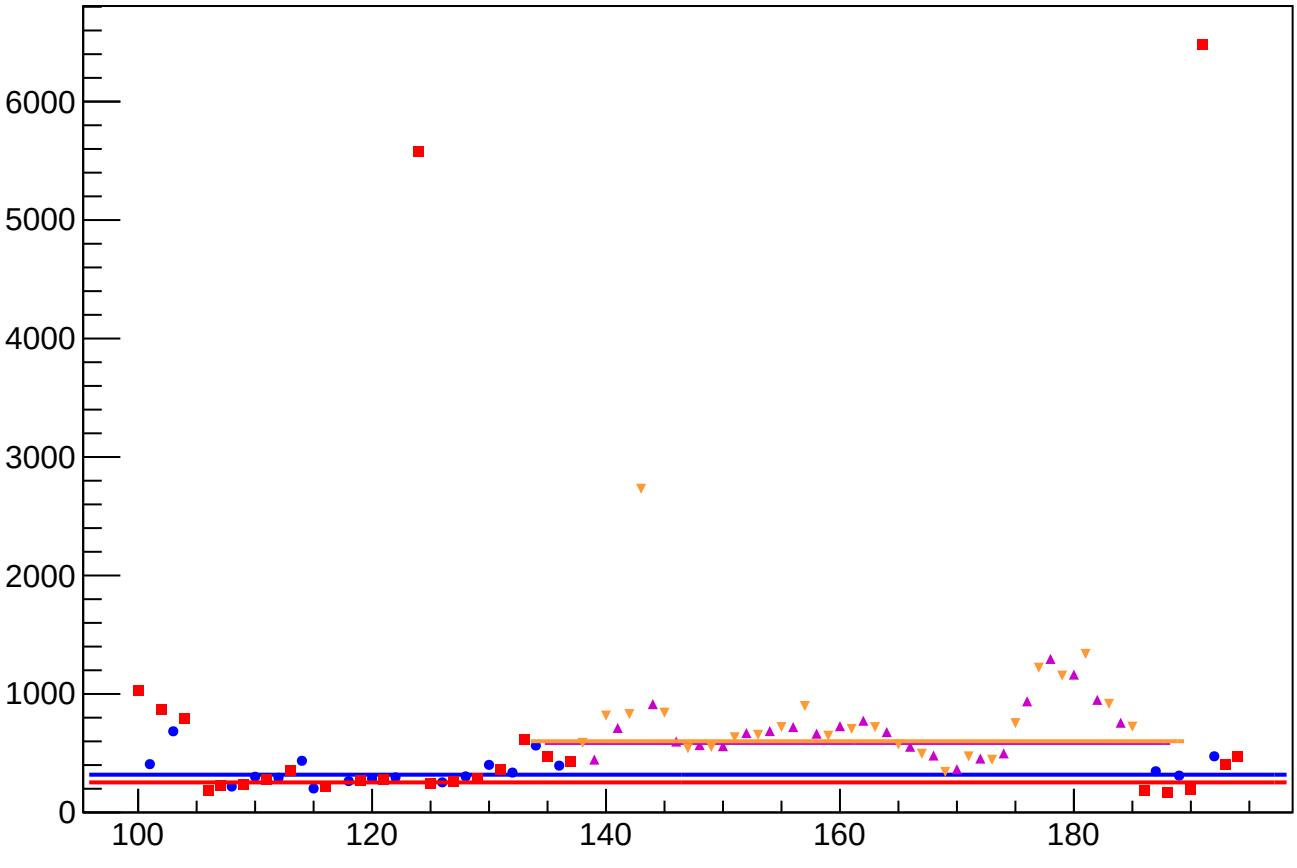
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.039+/-0.069 χ^2/NDF: 50.5/43

In: -0.135+/-0.089 χ^2/NDF:42.3/41

Out: 0.005+/-0.075 χ^2/NDF:66.2/49

All: -0.053+/-0.058 χ^2/NDF: 110.0/91



Right In: 318.674+/-0.080 χ^2/NDF: 1228589.1/18

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 253.629+/-0.062 χ^2/NDF: 3563438.6/24

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

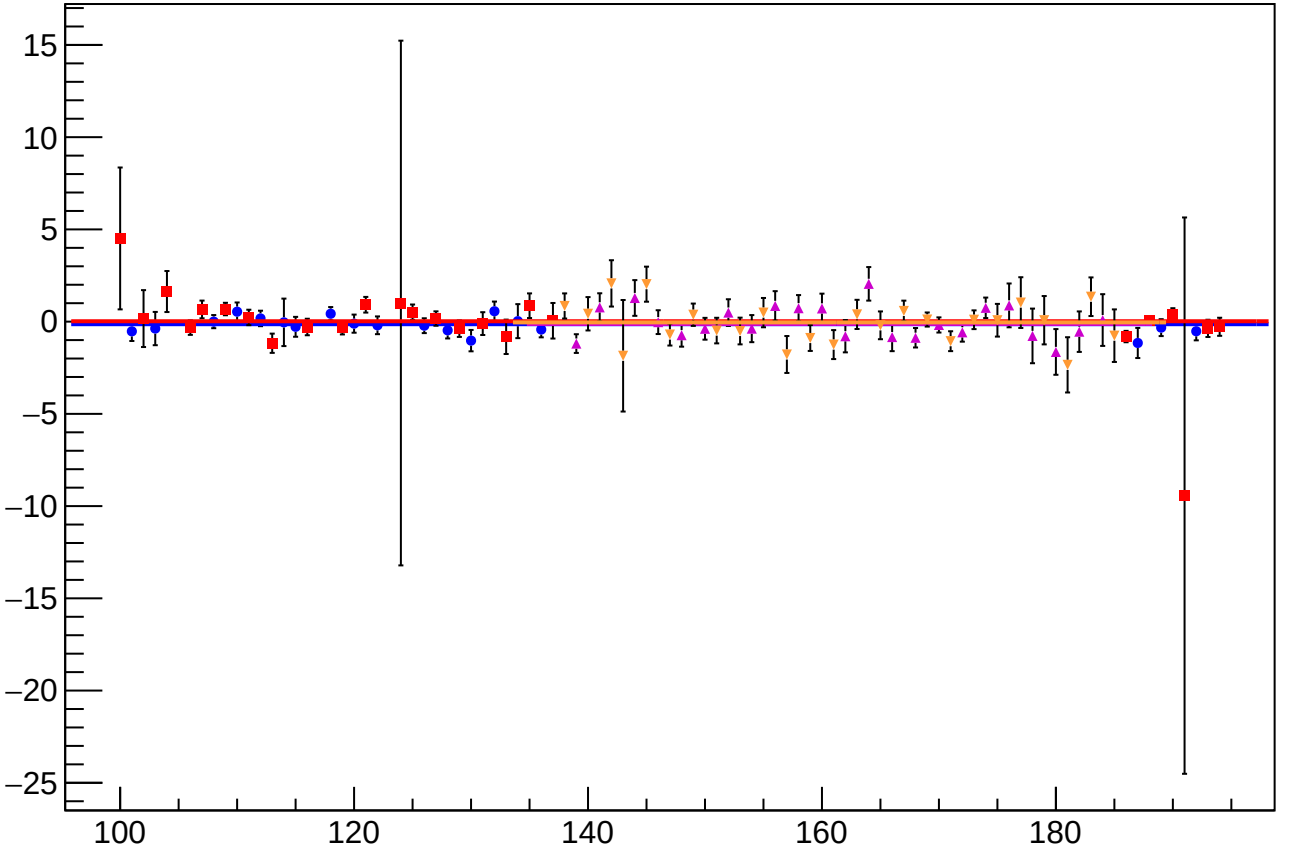
Right: 277.848+/-0.049 χ^2/NDF: 5204736.4/43

In: 420.309+/-0.063 χ^2/NDF:8398589.5/41

Out: 343.897+/-0.053 χ^2/NDF:16244000.1/49

All: 375.551+/-0.041 χ^2/NDF: 25498567.3/91

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.139+/-0.113 χ^2/NDF: 13.3/18

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.021+/-0.087 χ^2/NDF: 35.9/24

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

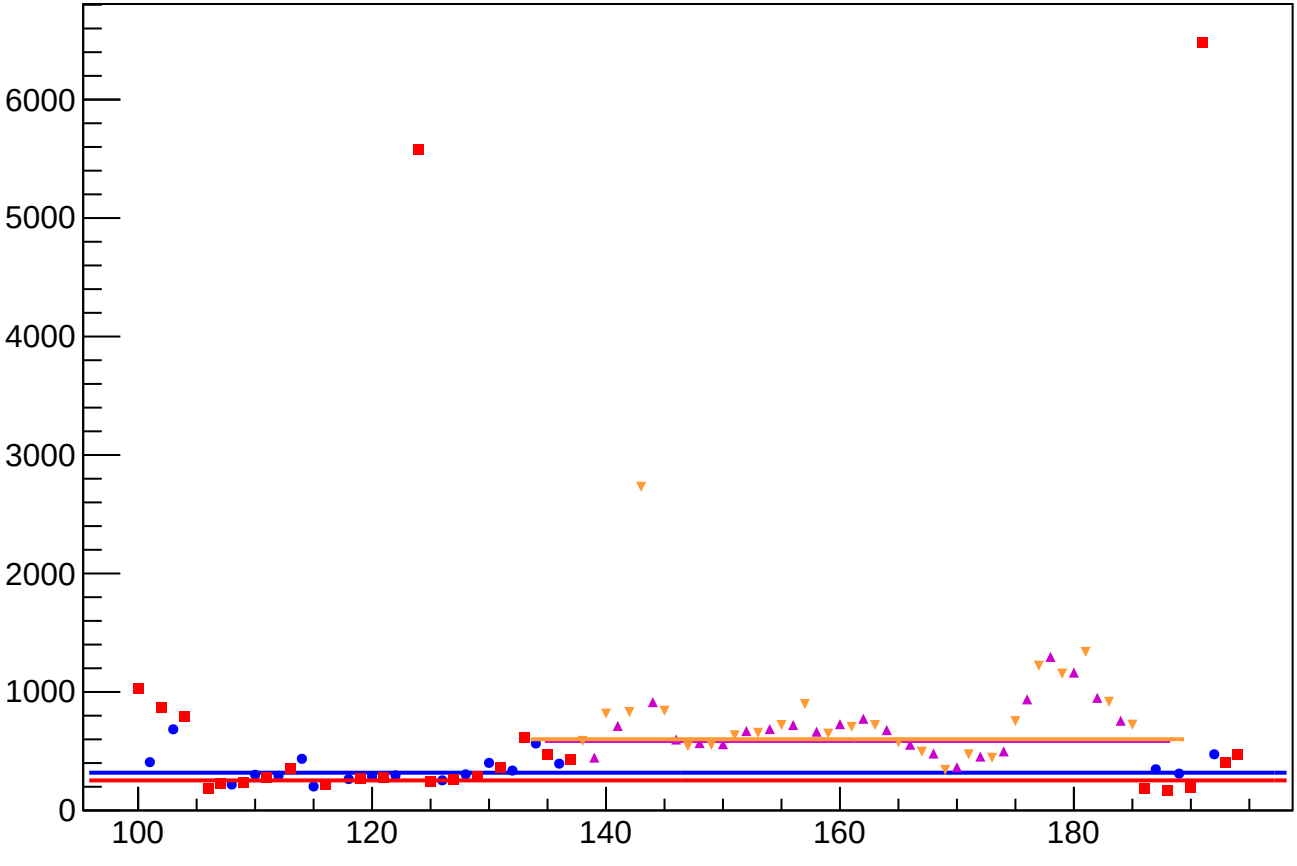
Right: -0.039+/-0.069 χ^2/NDF: 50.5/43

In: -0.135+/-0.089 χ^2/NDF:42.3/41

Out: 0.005+/-0.075 χ^2/NDF:66.2/49

All: -0.053+/-0.058 χ^2/NDF: 110.0/91

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 318.674+/-0.080 χ^2/NDF: 1228589.1/18

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 253.629+/-0.062 χ^2/NDF: 3563438.6/24

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

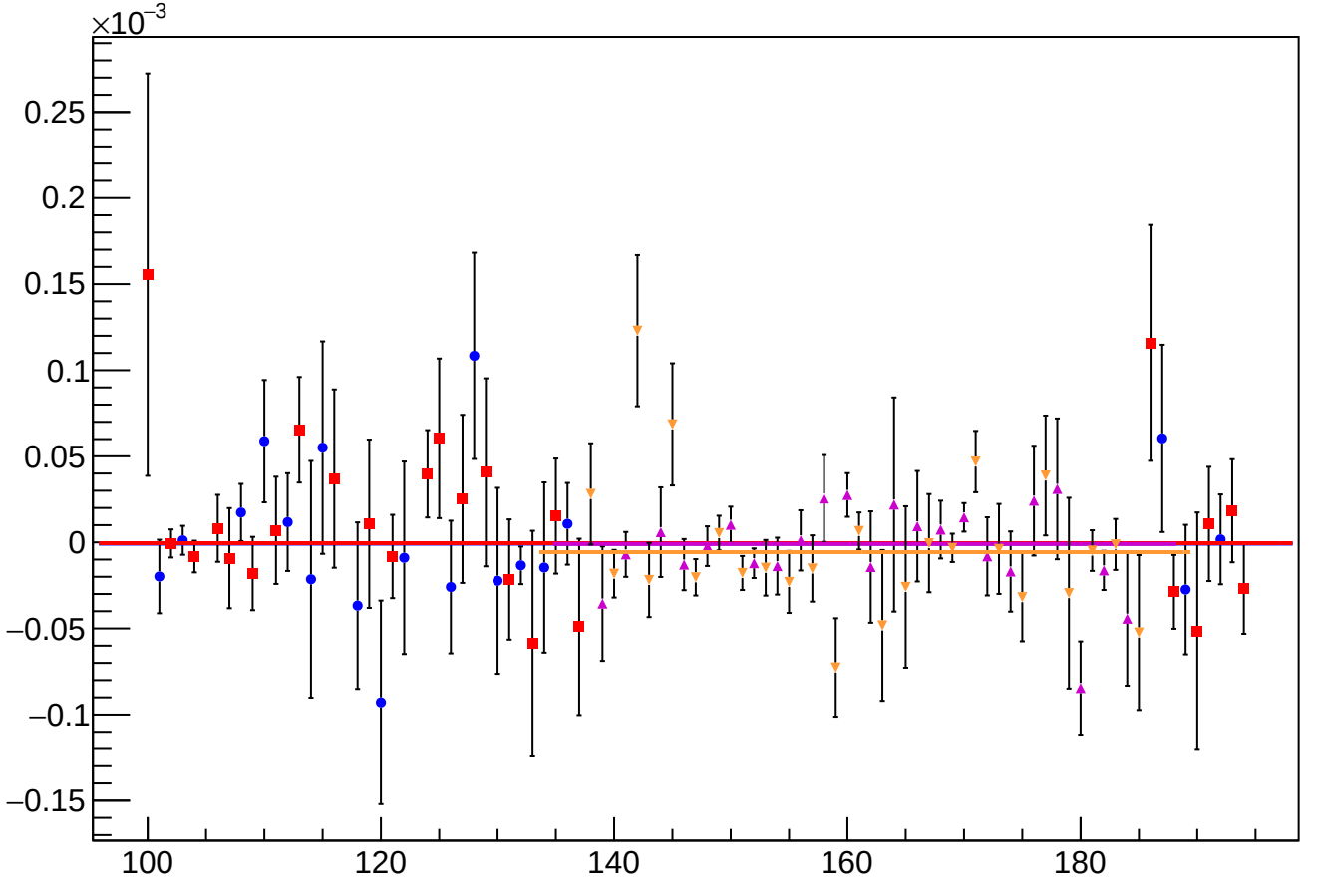
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 277.848+/-0.049 χ^2/NDF: 5204736.4/43

In: 420.309+/-0.063 χ^2/NDF:8398589.5/41

Out: 343.897+/-0.053 χ^2/NDF:16244000.1/49

All: 375.551+/-0.041 χ^2/NDF: 25498567.3/91



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.9/24

Left In: -0.000+/-0.000 χ^2/NDF:30.2/22

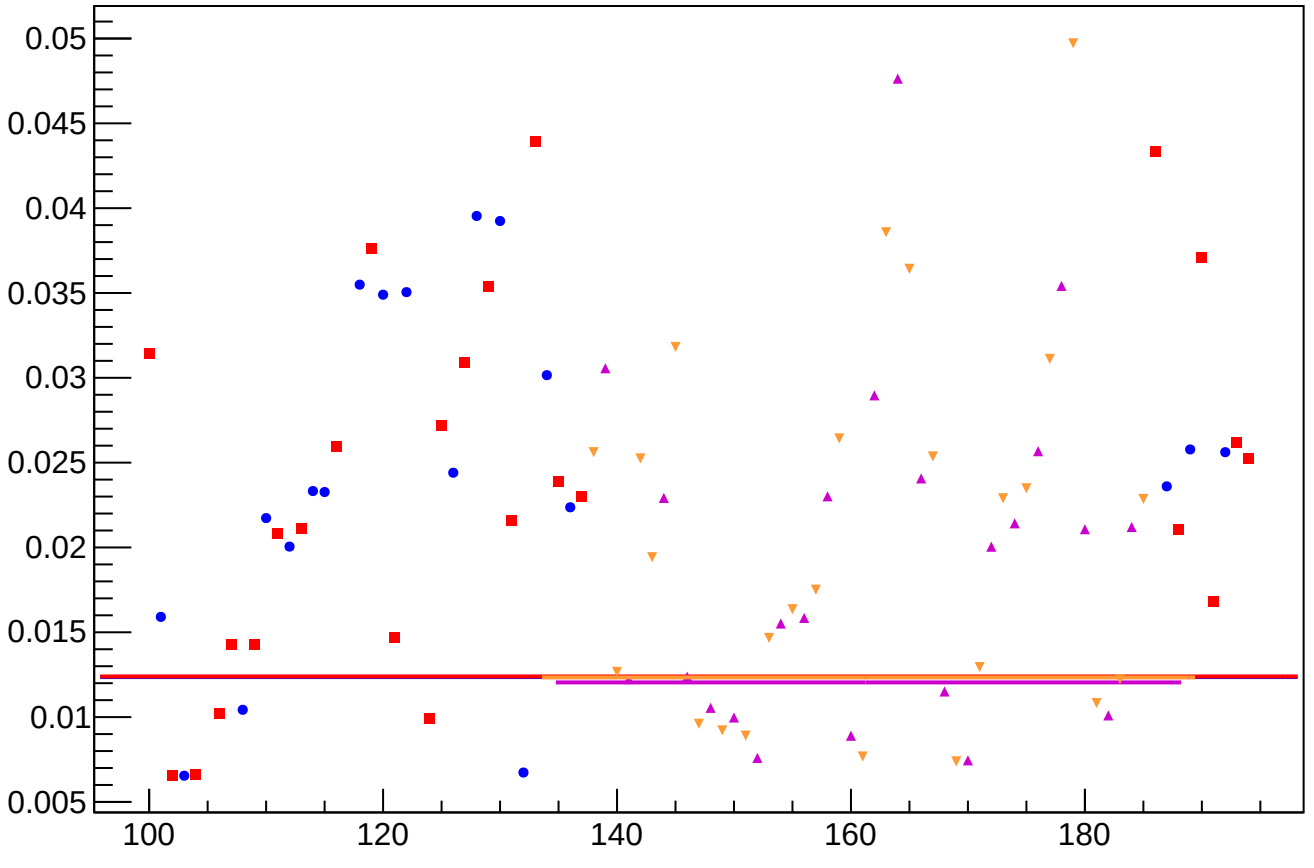
Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

Right: -0.000+/-0.000 χ^2/NDF: 39.2/43

In: -0.000+/-0.000 χ^2/NDF:46.5/41

Out: -0.000+/-0.000 χ^2/NDF:66.4/49

All: -0.000+/-0.000 χ^2/NDF: 113.5/91



Right In: 0.012+/-0.000 χ^2/NDF: 5615669.5/18

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.012+/-0.000 χ^2/NDF: 6619826.5/24

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

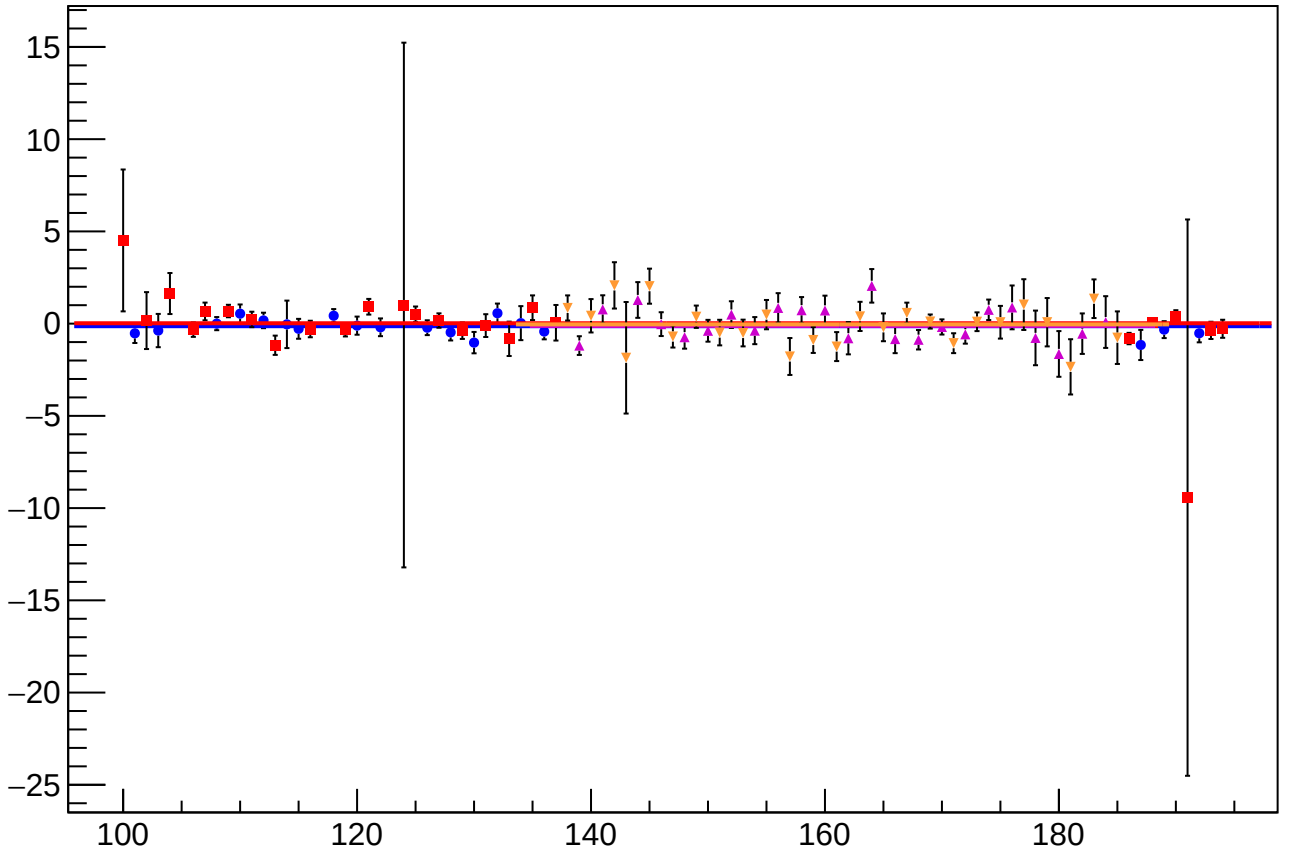
Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

Right: 0.012+/-0.000 χ^2/NDF: 12235547.1/43

In: 0.012+/-0.000 χ^2/NDF:12000431.8/41

Out: 0.012+/-0.000 χ^2/NDF:14459149.8/49

All: 0.012+/-0.000 χ^2/NDF: 26466340.2/91



Right In: -0.139+/-0.113 χ^2/NDF: 13.3/18

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.021+/-0.087 χ^2/NDF: 35.9/24

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

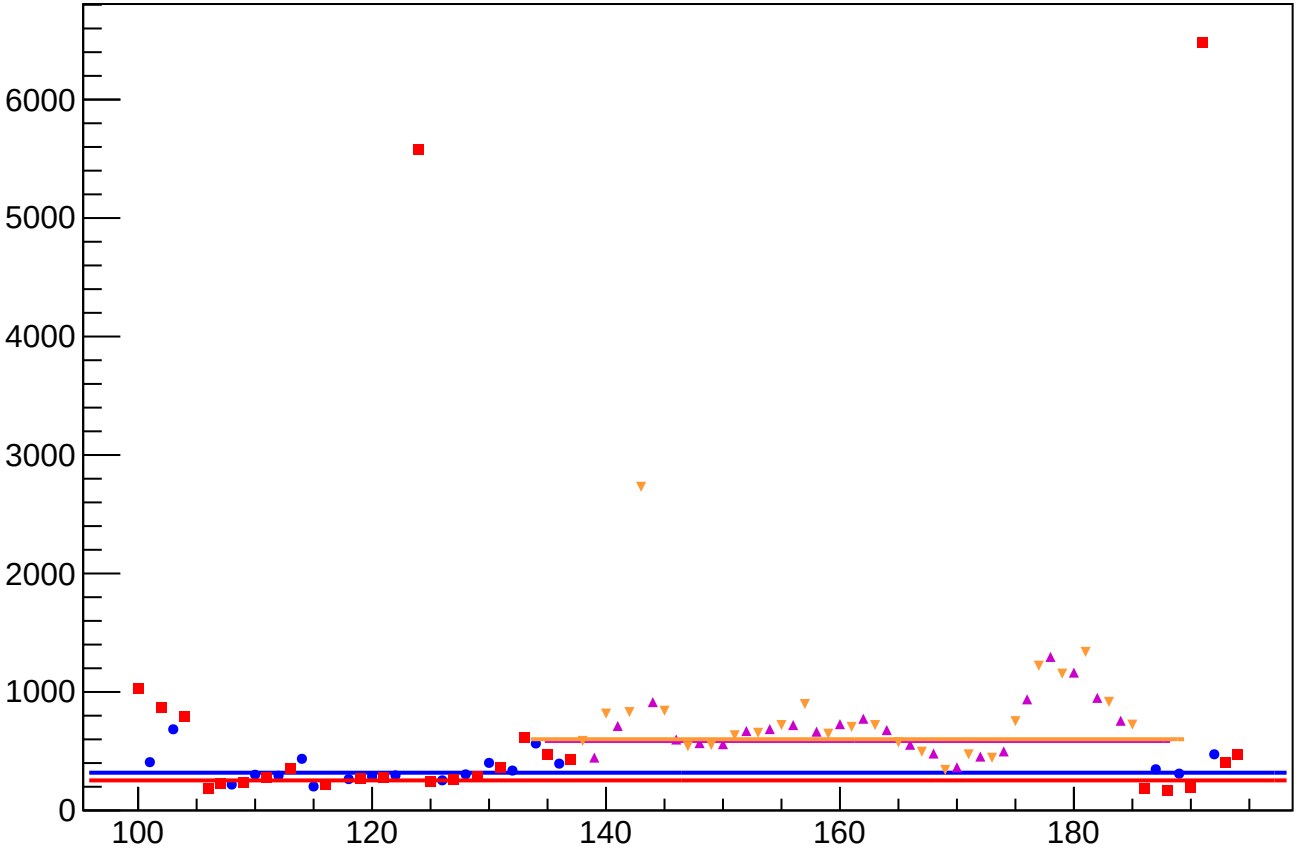
Right: -0.039+/-0.069 χ^2/NDF: 50.5/43

In: -0.135+/-0.089 χ^2/NDF:42.3/41

Out: 0.005+/-0.075 χ^2/NDF:66.2/49

All: -0.053+/-0.058 χ^2/NDF: 110.0/91

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 318.672+/-0.080 χ^2/NDF: 1228552.9/18

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 253.623+/-0.062 χ^2/NDF: 3563632.3/24

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

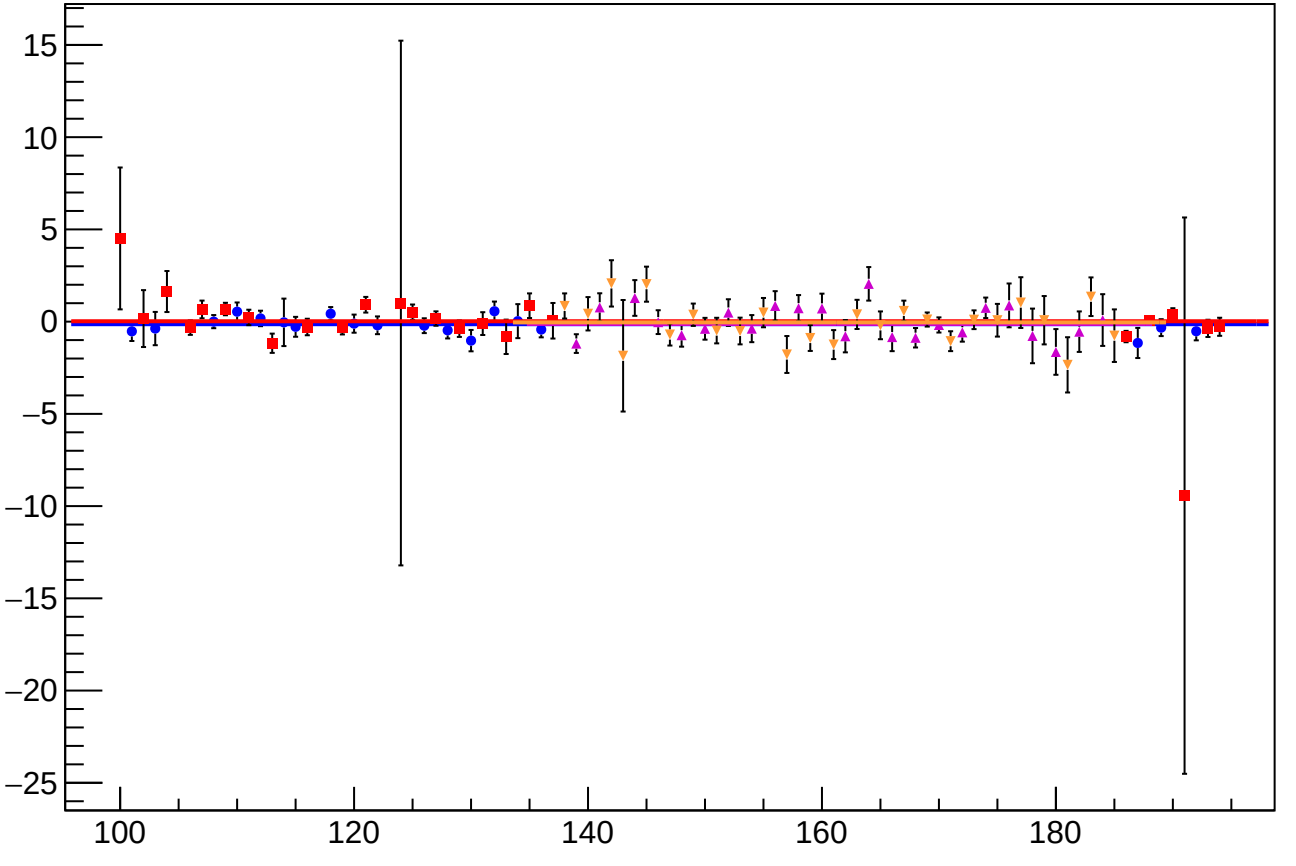
Right: 277.843+/-0.049 χ^2/NDF: 5204971.4/43

In: 420.308+/-0.063 χ^2/NDF:8398797.1/41

Out: 343.889+/-0.053 χ^2/NDF:16244784.6/49

All: 375.545+/-0.041 χ^2/NDF: 25499723.4/91

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.139+/-0.113 χ^2/NDF: 13.3/18

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.021+/-0.087 χ^2/NDF: 35.9/24

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

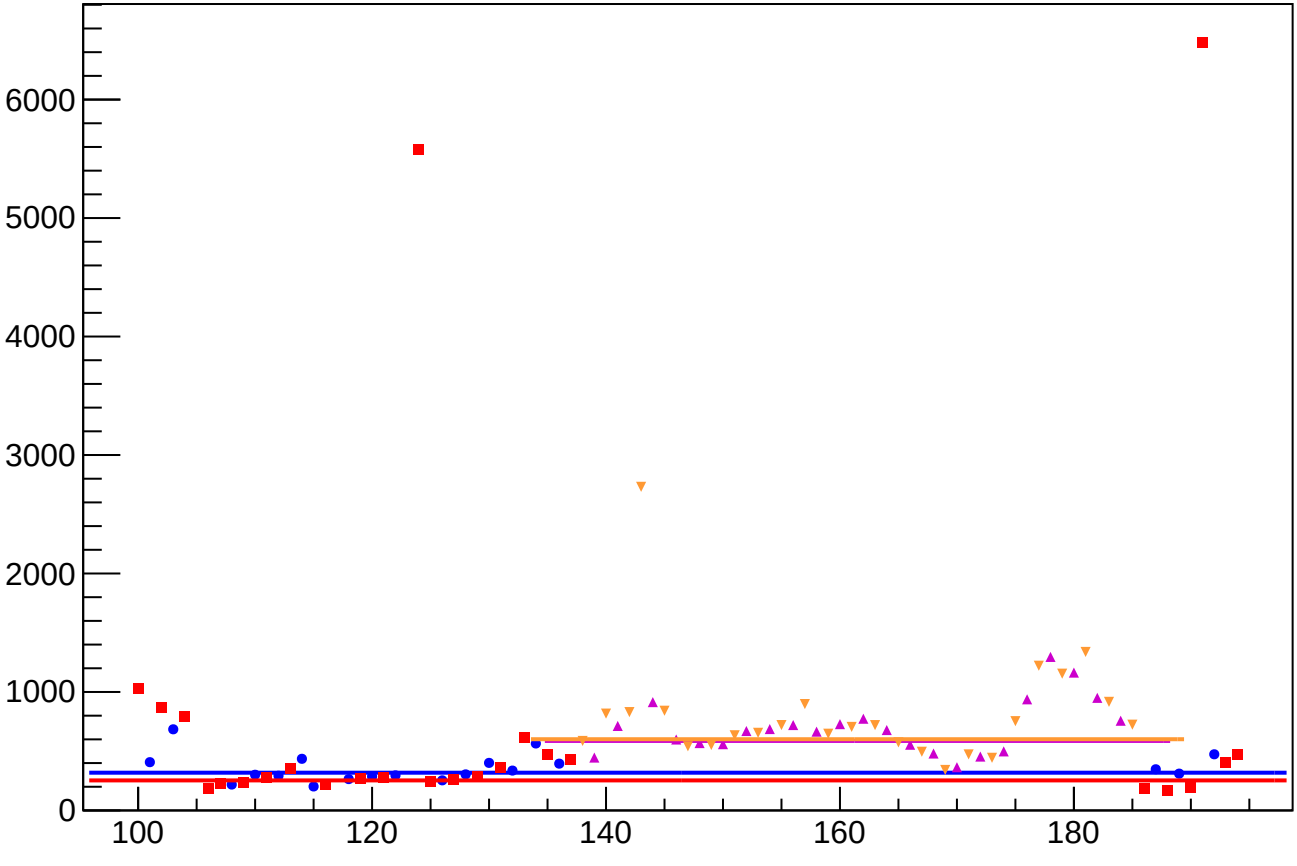
Right: -0.039+/-0.069 χ^2/NDF: 50.5/43

In: -0.135+/-0.089 χ^2/NDF:42.3/41

Out: 0.005+/-0.075 χ^2/NDF:66.2/49

All: -0.053+/-0.058 χ^2/NDF: 110.0/91

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 318.672+/-0.080 χ^2/NDF: 1228552.9/18

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 253.623+/-0.062 χ^2/NDF: 3563632.3/24

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

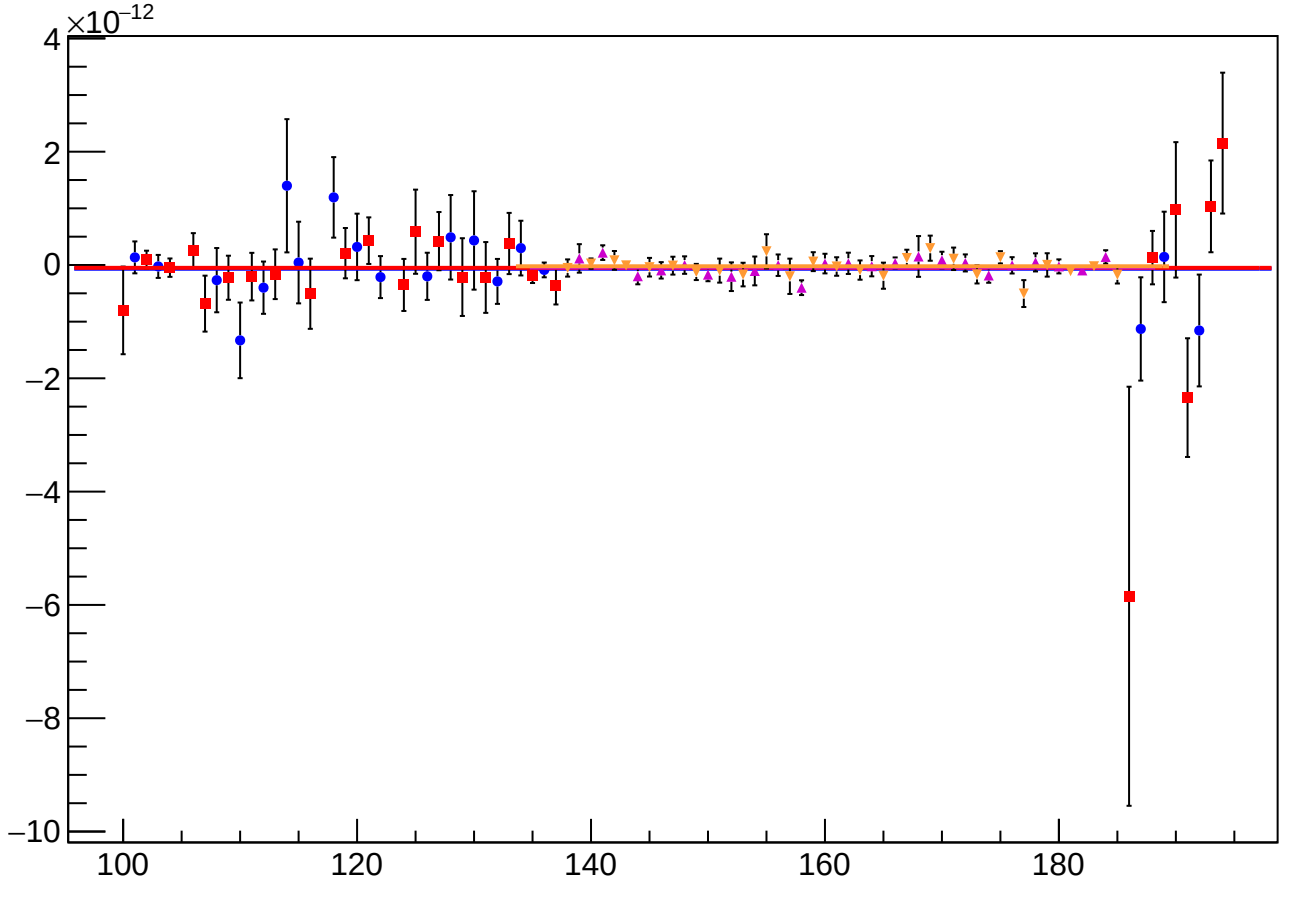
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 277.843+/-0.049 χ^2/NDF: 5204971.4/43

In: 420.308+/-0.063 χ^2/NDF:8398797.1/41

Out: 343.889+/-0.053 χ^2/NDF:16244784.6/49

All: 375.545+/-0.041 χ^2/NDF: 25499723.4/91



Right In: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.5/24

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

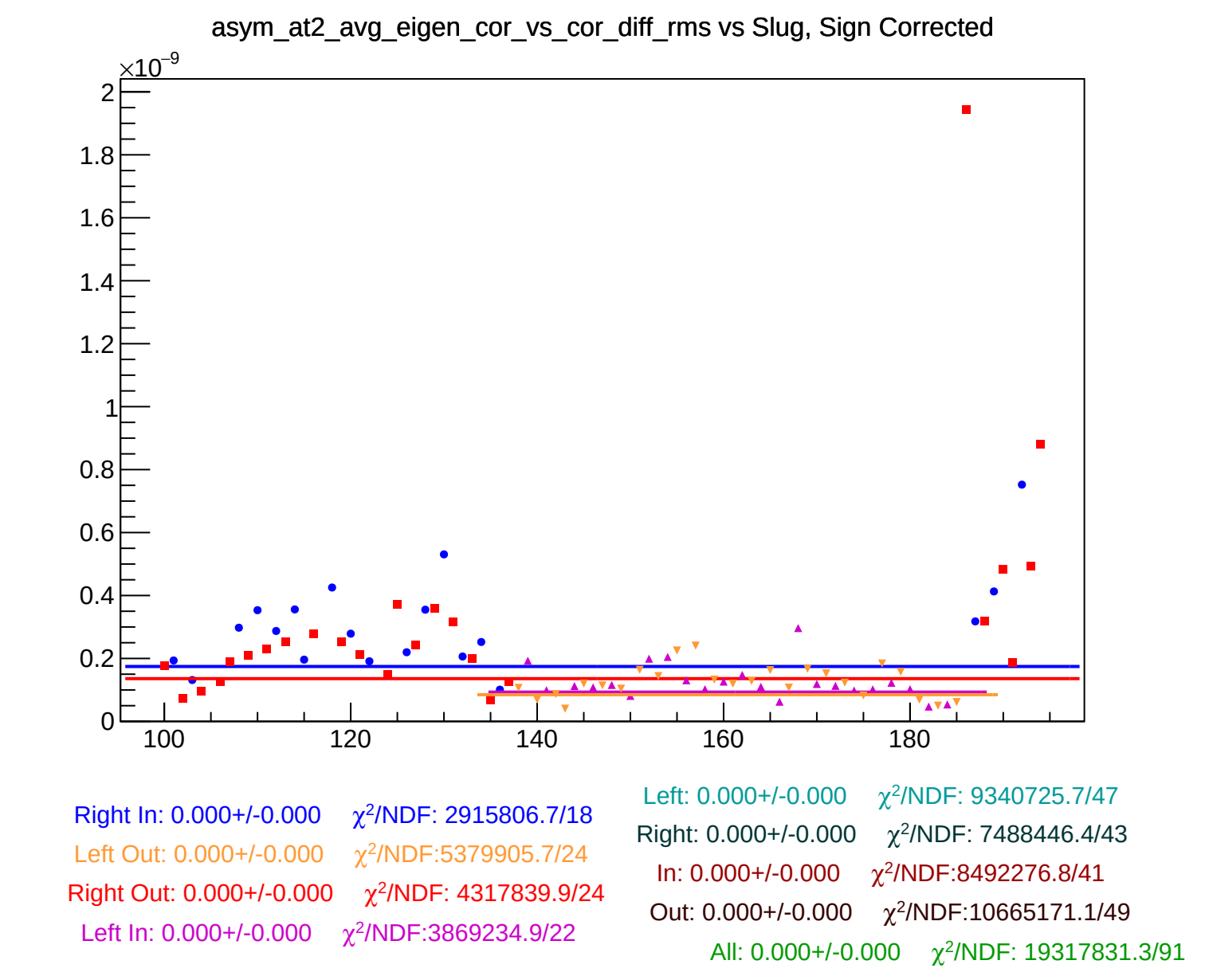
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 39.2/43

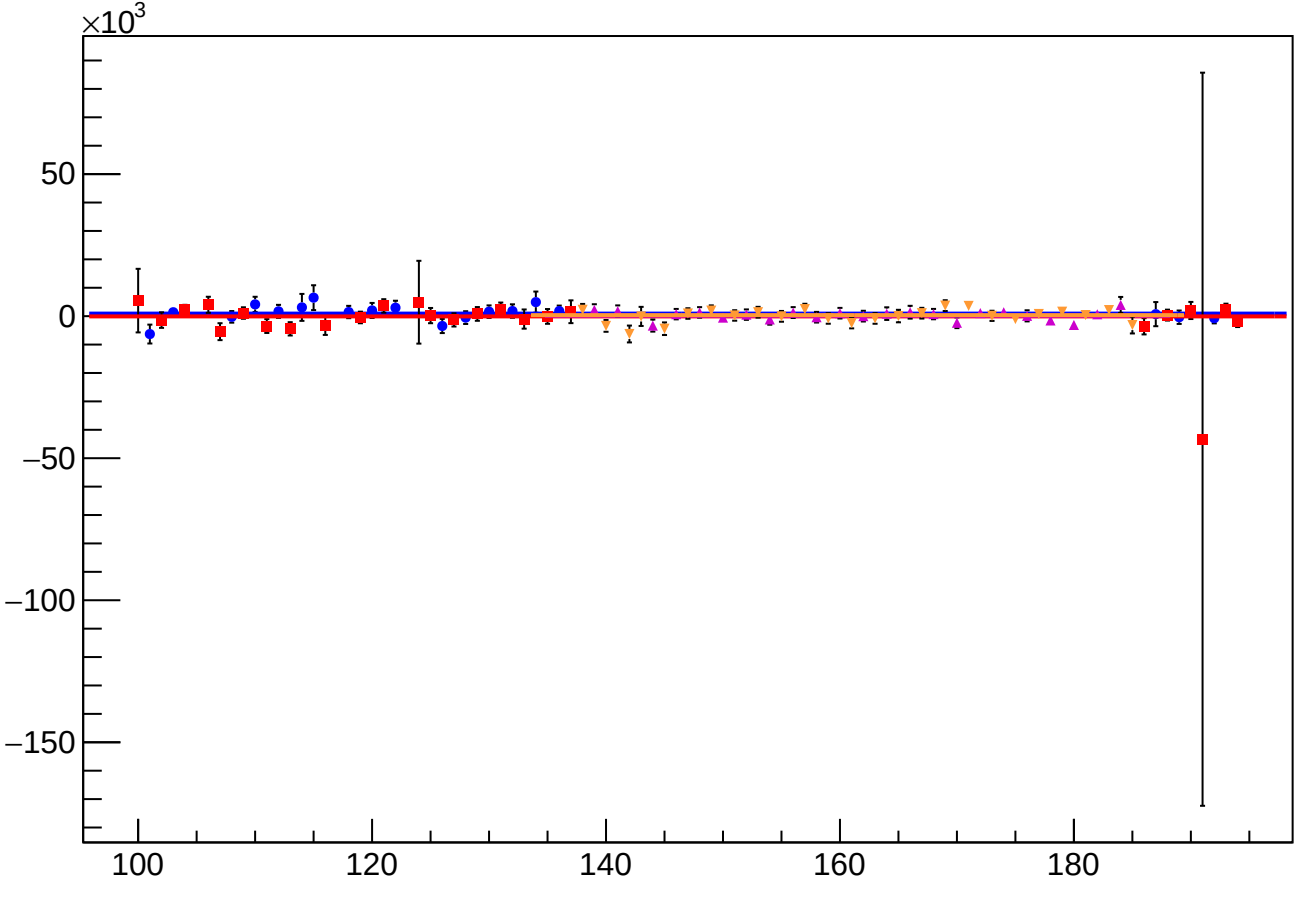
In: -0.000+/-0.000 χ^2/NDF:36.7/41

Out: -0.000+/-0.000 χ^2/NDF:41.0/49

All: -0.000+/-0.000 χ^2/NDF: 78.0/91


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
Right In: 0.000+/-0.000 χ²/NDF: 2915806.7/18
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 4317839.9/24
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: 7488446.4/43
In: 0.000+/-0.000 χ²/NDF:8492276.8/41
Out: 0.000+/-0.000 χ²/NDF:10665171.1/49
All: 0.000+/-0.000 χ²/NDF: 19317831.3/91

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 900.965+/-556.654 χ^2/NDF: 15.7/18

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: -81.032+/-514.712 χ^2/NDF: 22.8/24

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

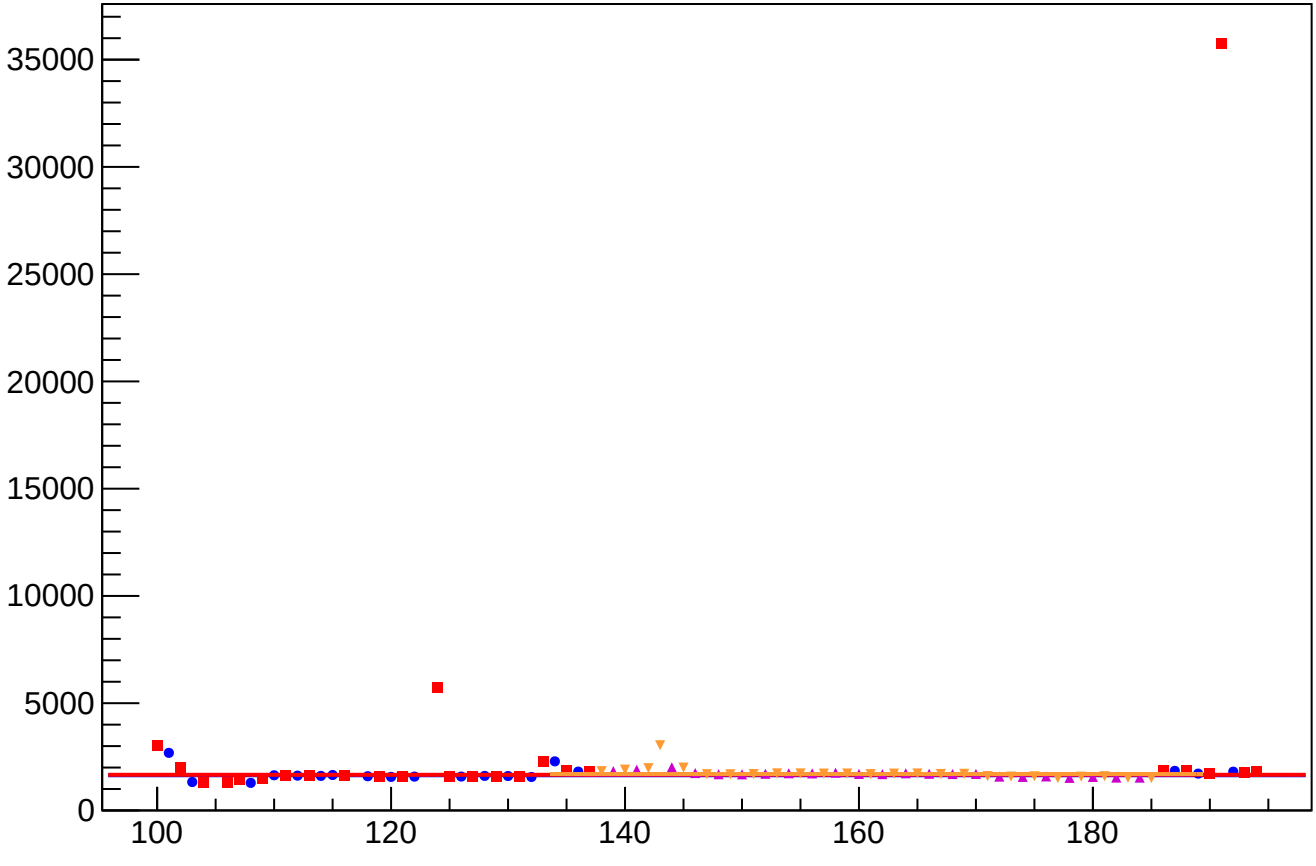
Right: 371.582+/-377.915 χ^2/NDF: 40.2/43

In: 405.548+/-321.734 χ^2/NDF:32.9/41

Out: 201.174+/-309.898 χ^2/NDF:52.9/49

All: 299.532+/-223.198 χ^2/NDF: 86.0/91

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1641.317+/-0.394 χ^2/NDF: 432017.5/18

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1661.982+/-0.364 χ^2/NDF: 645914.1/24

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

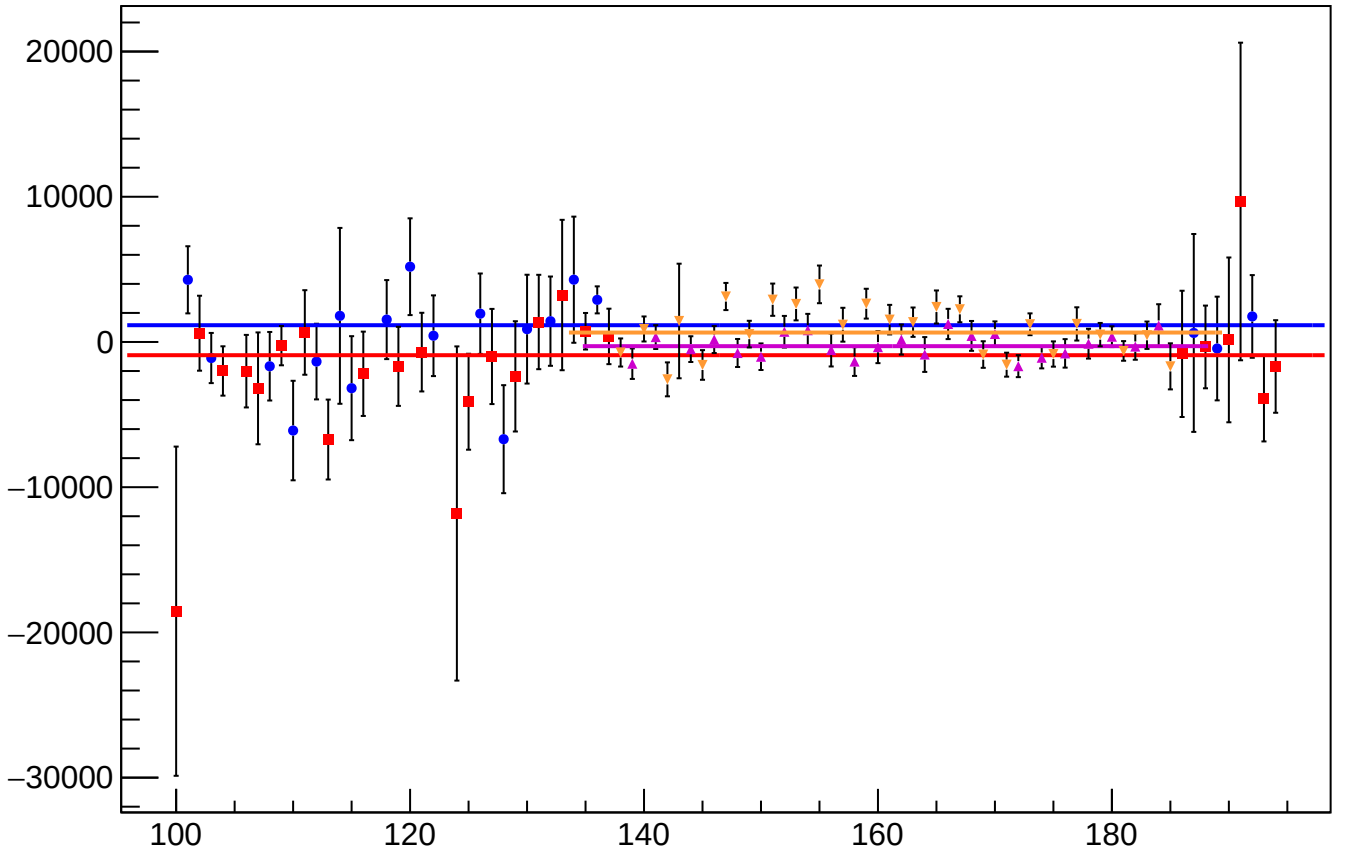
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1652.458+/-0.267 χ^2/NDF: 1079417.5/43

In: 1670.126+/-0.228 χ^2/NDF:605417.0/41

Out: 1684.622+/-0.219 χ^2/NDF:1147381.6/49

All: 1677.645+/-0.158 χ^2/NDF: 1754904.8/91



Right In: 1154.414+/-558.524 χ^2/NDF: 22.2/18

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: -910.644+/-523.768 χ^2/NDF: 16.3/24

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

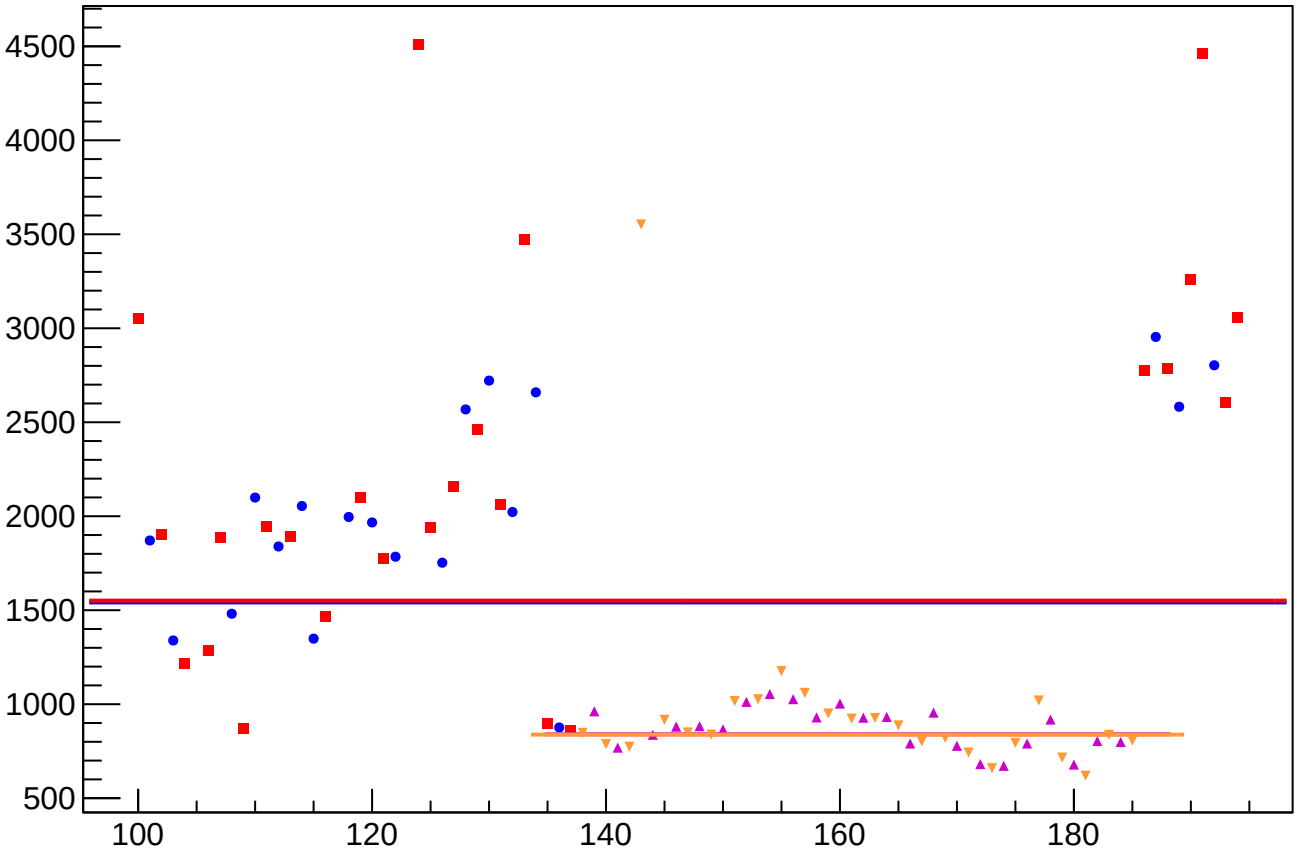
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 55.638+/-382.057 χ^2/NDF: 45.9/43

In: -126.796+/-187.034 χ^2/NDF:44.7/41

Out: 458.133+/-183.297 χ^2/NDF:89.6/49

All: 171.570+/-130.912 χ^2/NDF: 139.4/91



Right In: 1541.411+/-0.395 χ^2/NDF: 2487668.5/18

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1551.064+/-0.370 χ^2/NDF: 3884528.3/24

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

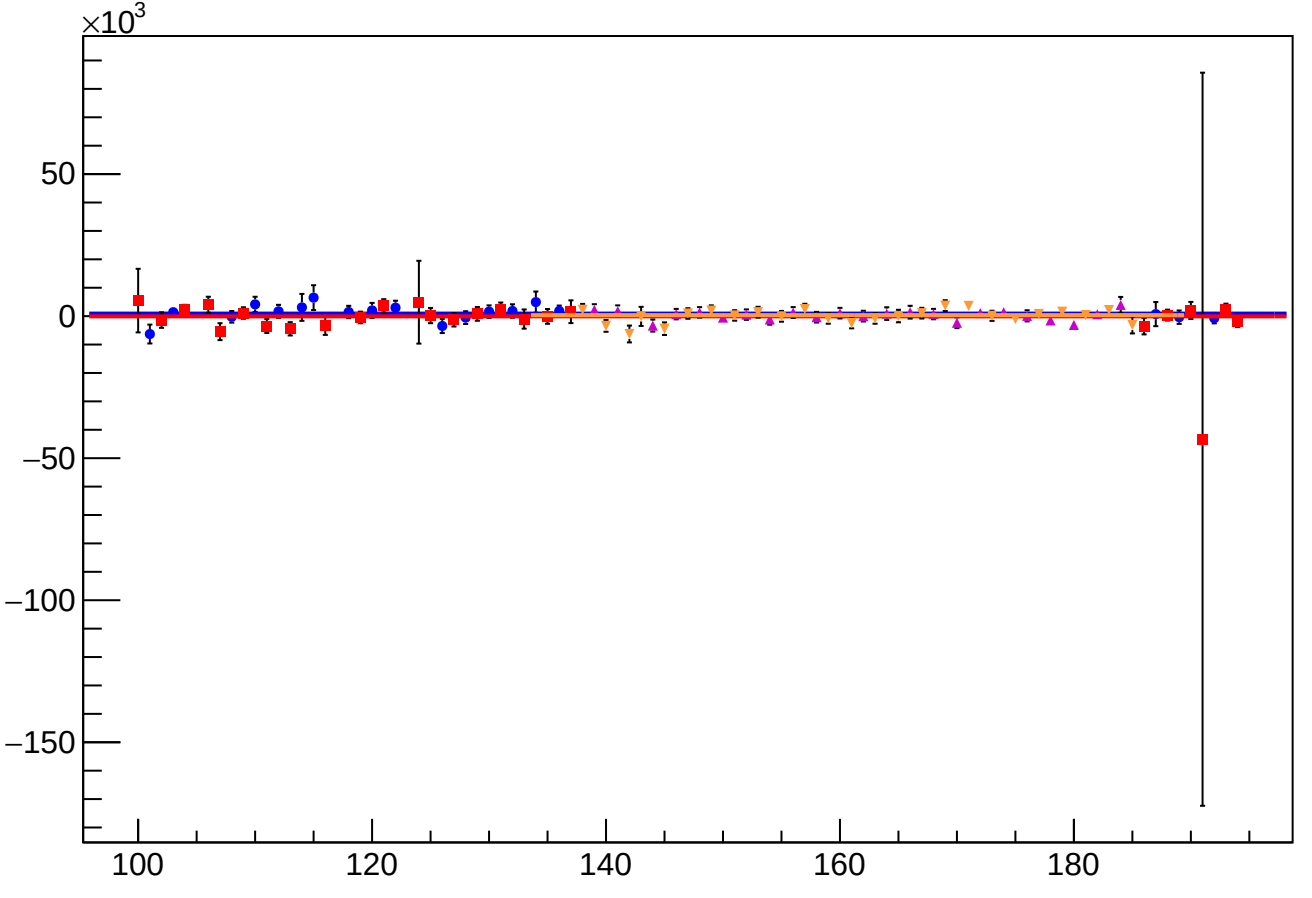
Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

Right: 1546.547+/-0.270 χ^2/NDF: 6372514.6/43

In: 918.634+/-0.132 χ^2/NDF:5957709.9/41

Out: 925.543+/-0.130 χ^2/NDF:8935456.4/49

All: 922.158+/-0.093 χ^2/NDF: 14894558.2/91



Right In: 900.900+/-556.654 χ^2/NDF: 15.7/18

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -81.243+/-514.712 χ^2/NDF: 22.8/24

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

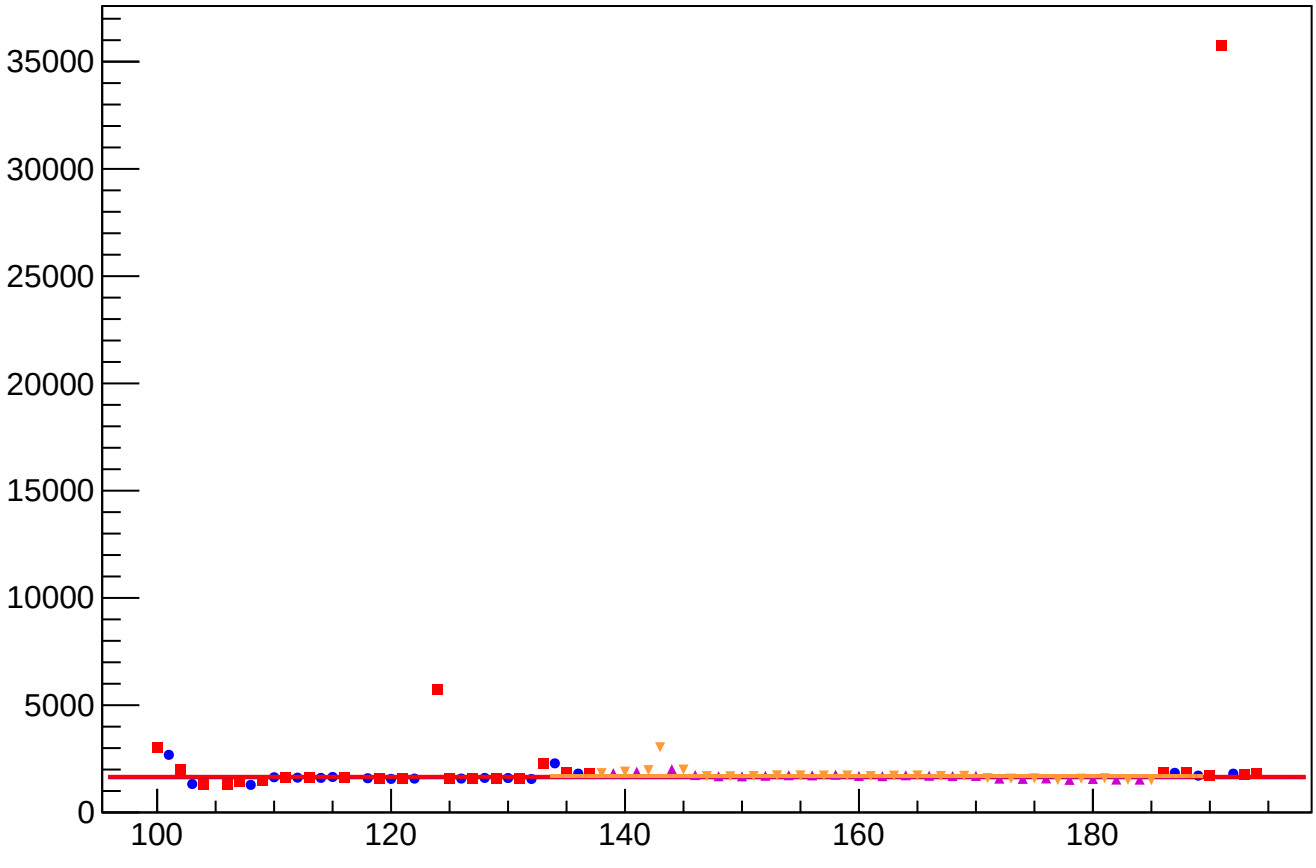
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 371.438+/-377.915 χ^2/NDF: 40.2/43

In: 405.464+/-321.734 χ^2/NDF:32.9/41

Out: 201.043+/-309.898 χ^2/NDF:52.9/49

All: 299.424+/-223.198 χ^2/NDF: 86.0/91



Right In: 1641.317+/-0.394 χ^2/NDF: 432017.7/18

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1661.982+/-0.364 χ^2/NDF: 645914.2/24

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

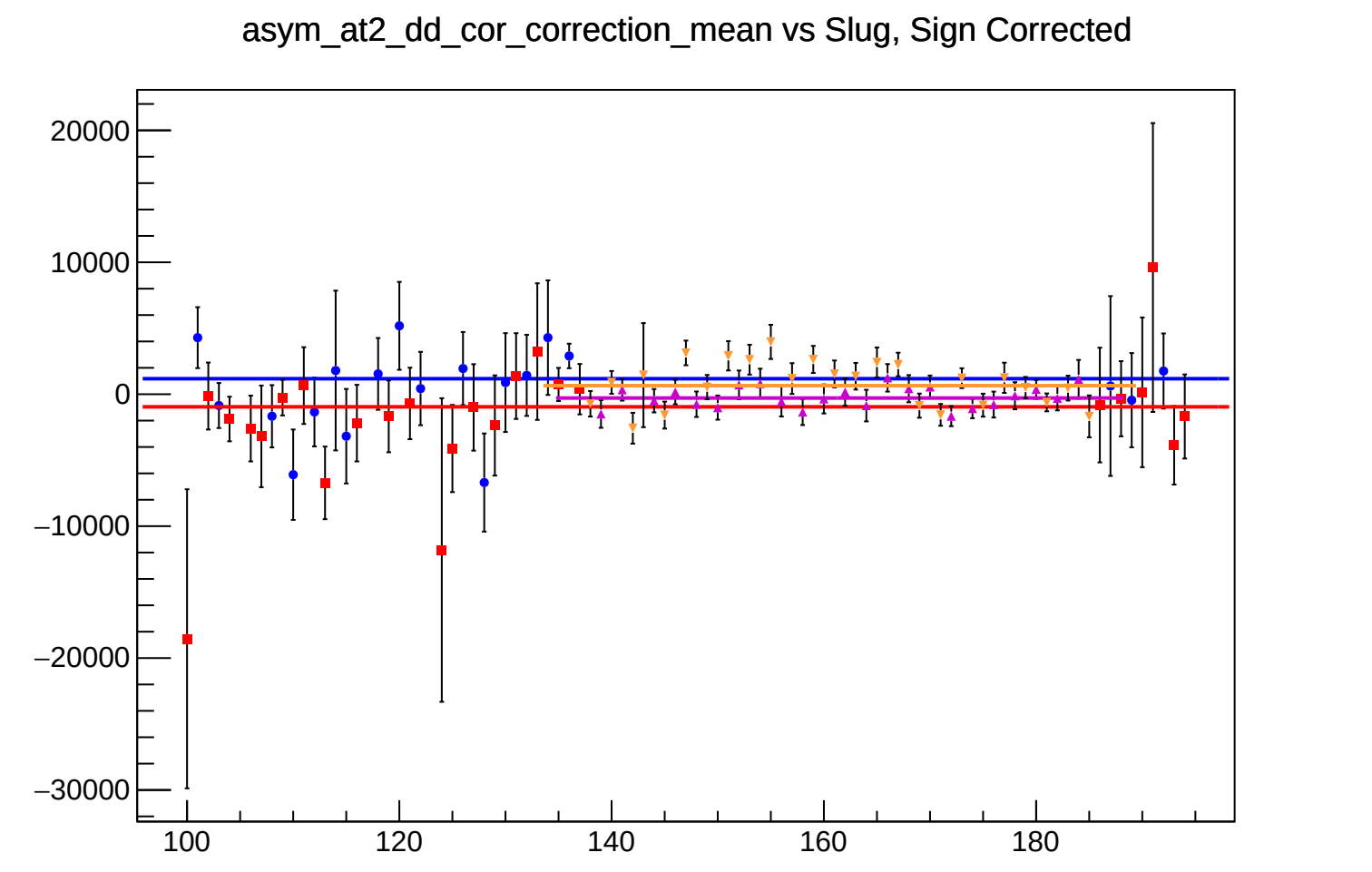
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1652.457+/-0.267 χ^2/NDF: 1079417.9/43

In: 1670.126+/-0.228 χ^2/NDF:605417.3/41

Out: 1684.622+/-0.219 χ^2/NDF:1147381.7/49

All: 1677.645+/-0.158 χ^2/NDF: 1754905.2/91



Right In: 1175.733+/-557.786 χ^2/NDF: 21.9/18

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -956.267+/-523.129 χ^2/NDF: 16.2/24

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

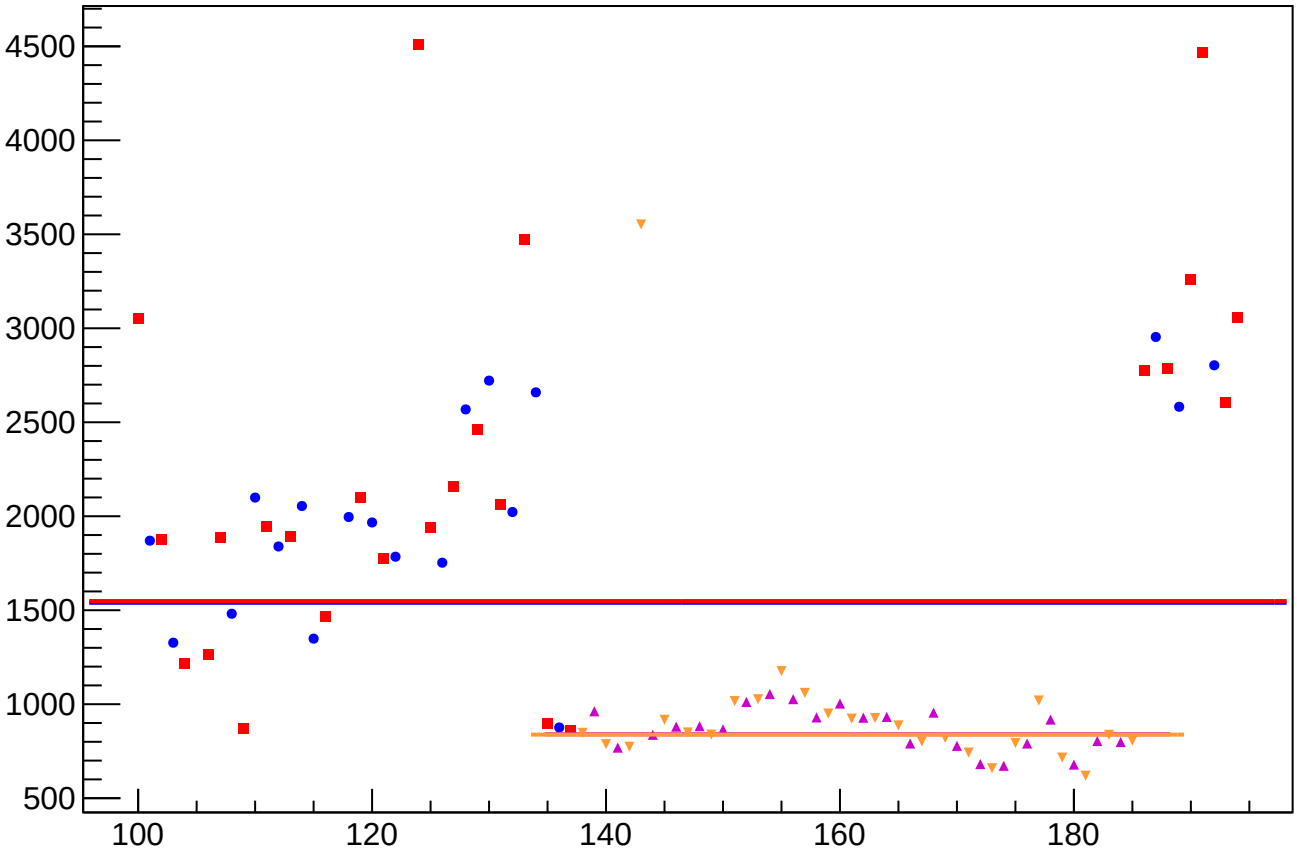
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 41.445+/-381.572 χ^2/NDF: 46.0/43

In: -124.006+/-187.006 χ^2/NDF:44.6/41

Out: 452.119+/-183.272 χ^2/NDF:90.0/49

All: 169.867+/-130.893 χ^2/NDF: 139.5/91



Right In: 1539.599+/-0.394 χ^2/NDF: 2491453.2/18

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1548.841+/-0.370 χ^2/NDF: 3885532.0/24

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

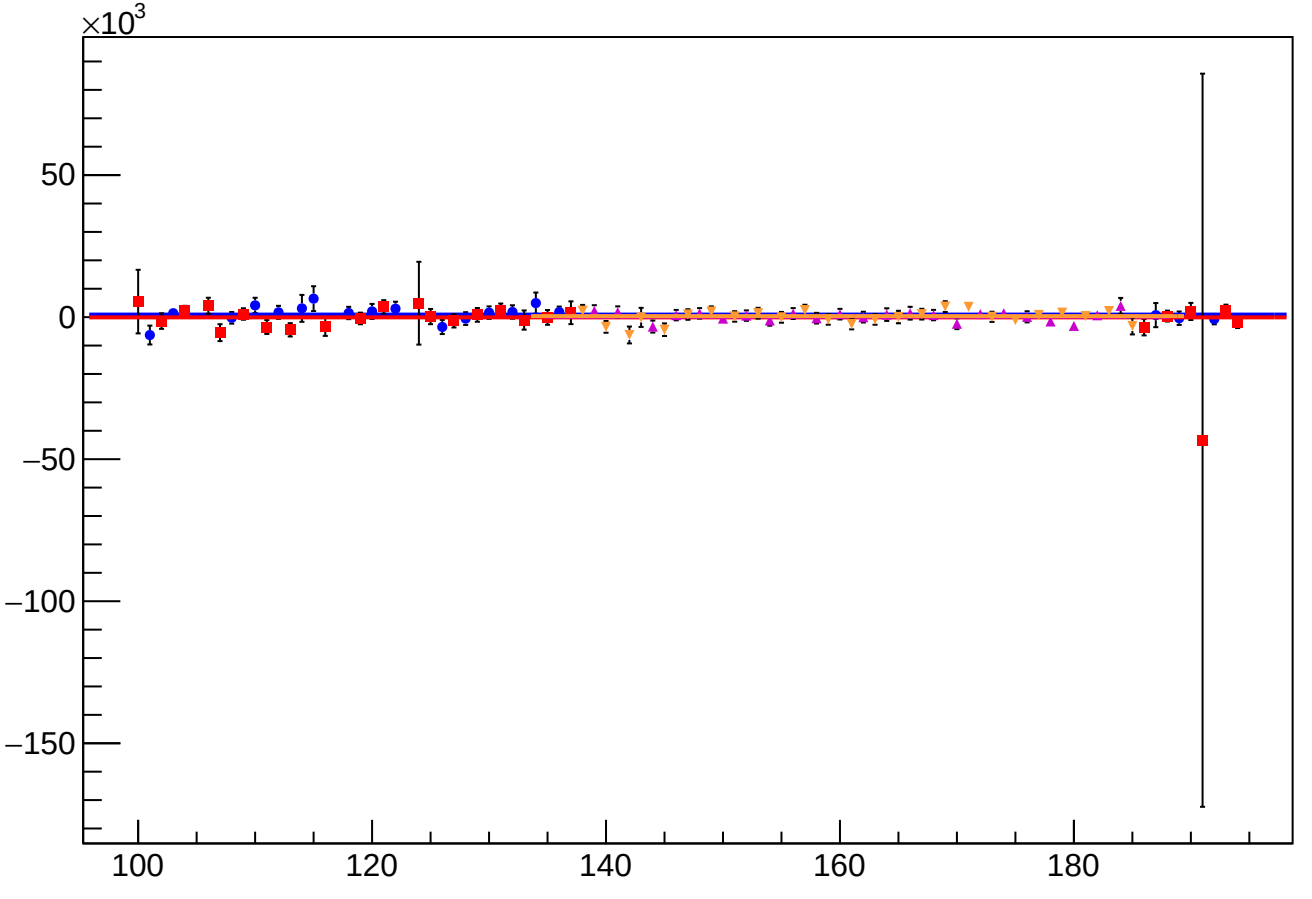
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1544.516+/-0.270 χ^2/NDF: 6377277.3/43

In: 918.618+/-0.132 χ^2/NDF:5953565.1/41

Out: 925.469+/-0.130 χ^2/NDF:8922927.0/49

All: 922.112+/-0.093 χ^2/NDF: 14877861.5/91



Right In: 900.900+/-556.654 χ^2/NDF: 15.7/18

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -81.243+/-514.712 χ^2/NDF: 22.8/24

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

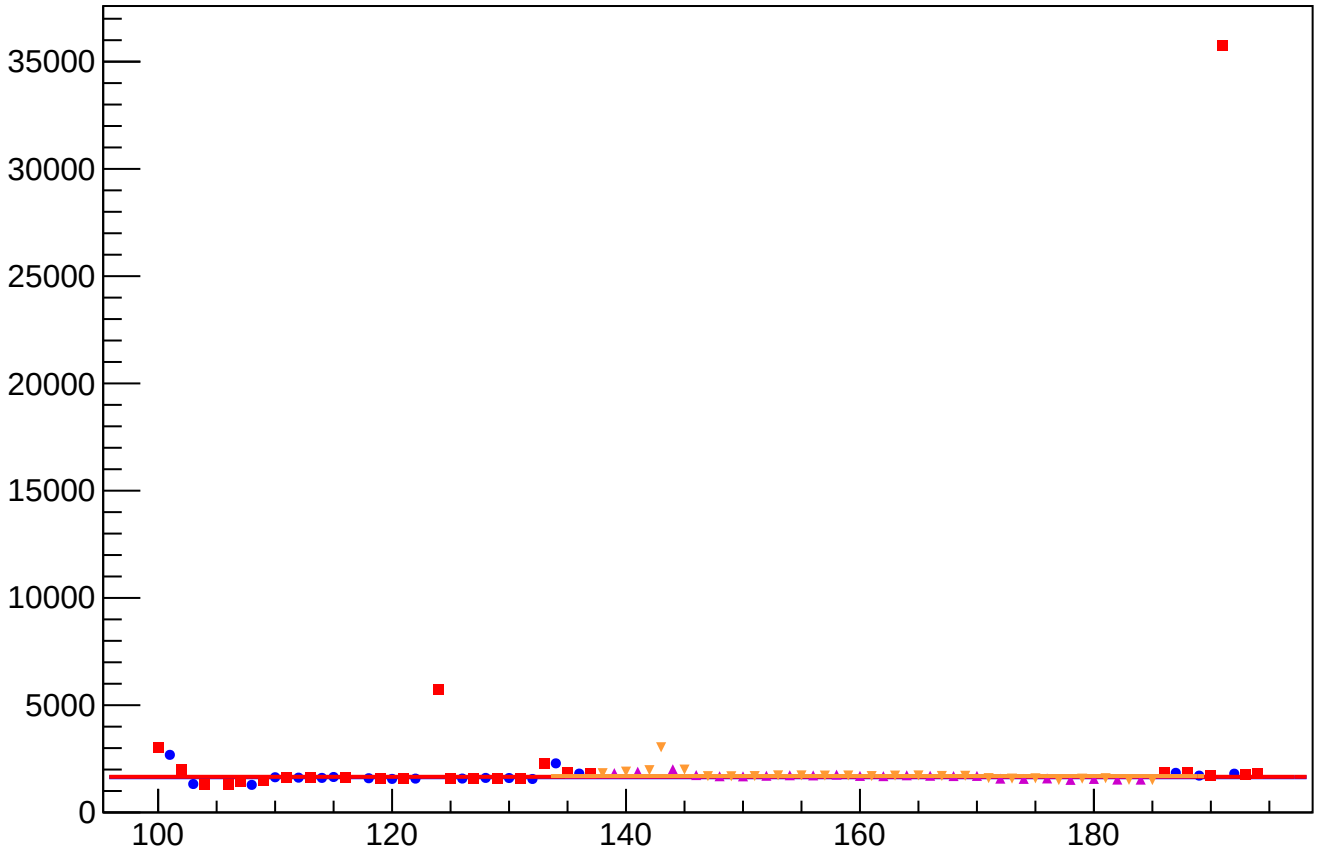
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 371.438+/-377.915 χ^2/NDF: 40.2/43

In: 405.464+/-321.734 χ^2/NDF:32.9/41

Out: 201.043+/-309.898 χ^2/NDF:52.9/49

All: 299.424+/-223.198 χ^2/NDF: 86.0/91



Right In: 1641.317+/-0.394 χ^2/NDF: 432017.7/18

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1661.982+/-0.364 χ^2/NDF: 645914.2/24

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

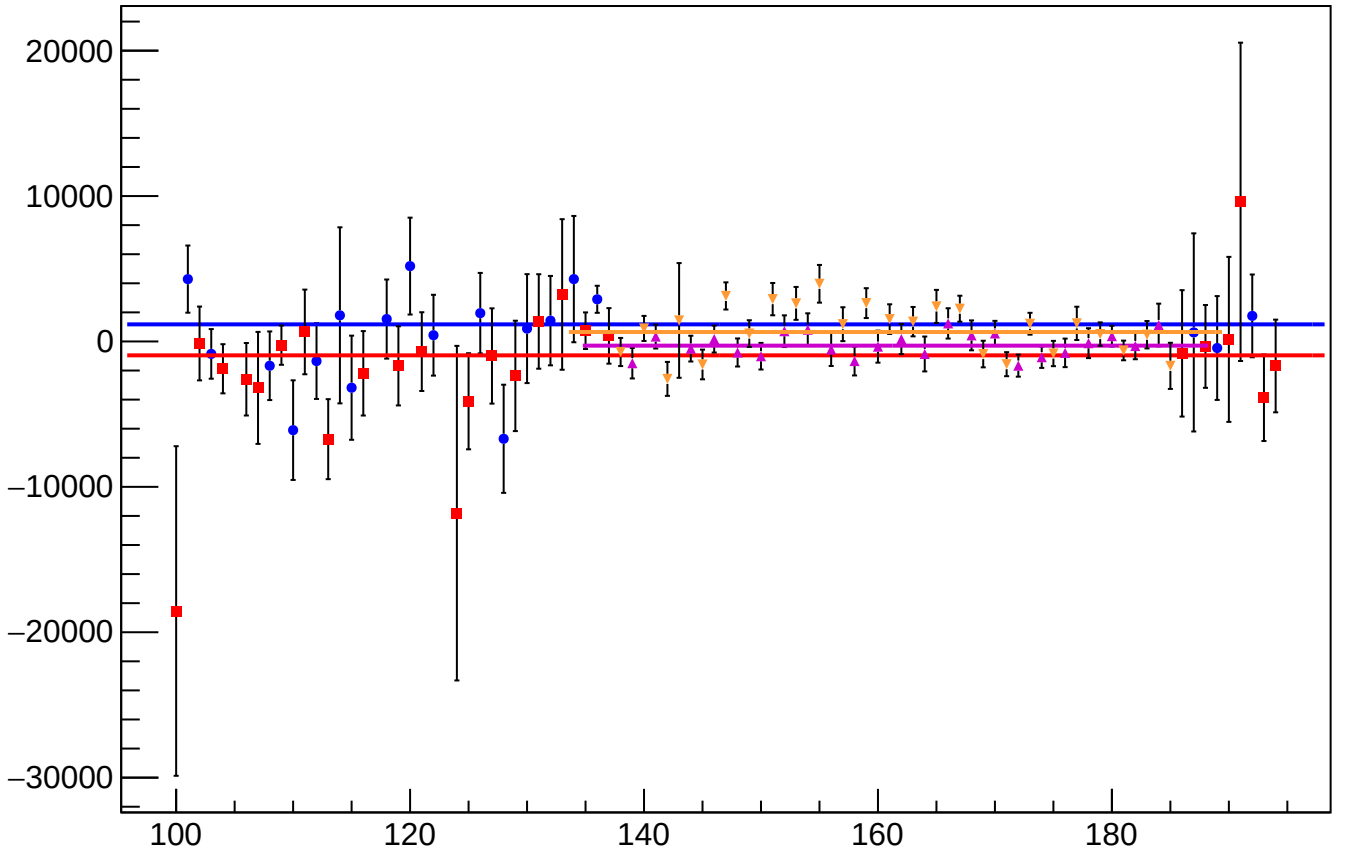
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1652.457+/-0.267 χ^2/NDF: 1079417.9/43

In: 1670.126+/-0.228 χ^2/NDF:605417.3/41

Out: 1684.622+/-0.219 χ^2/NDF:1147381.7/49

All: 1677.645+/-0.158 χ^2/NDF: 1754905.2/91



Right In: 1175.733+/-557.786 χ^2/NDF: 21.9/18

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -956.267+/-523.129 χ^2/NDF: 16.2/24

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

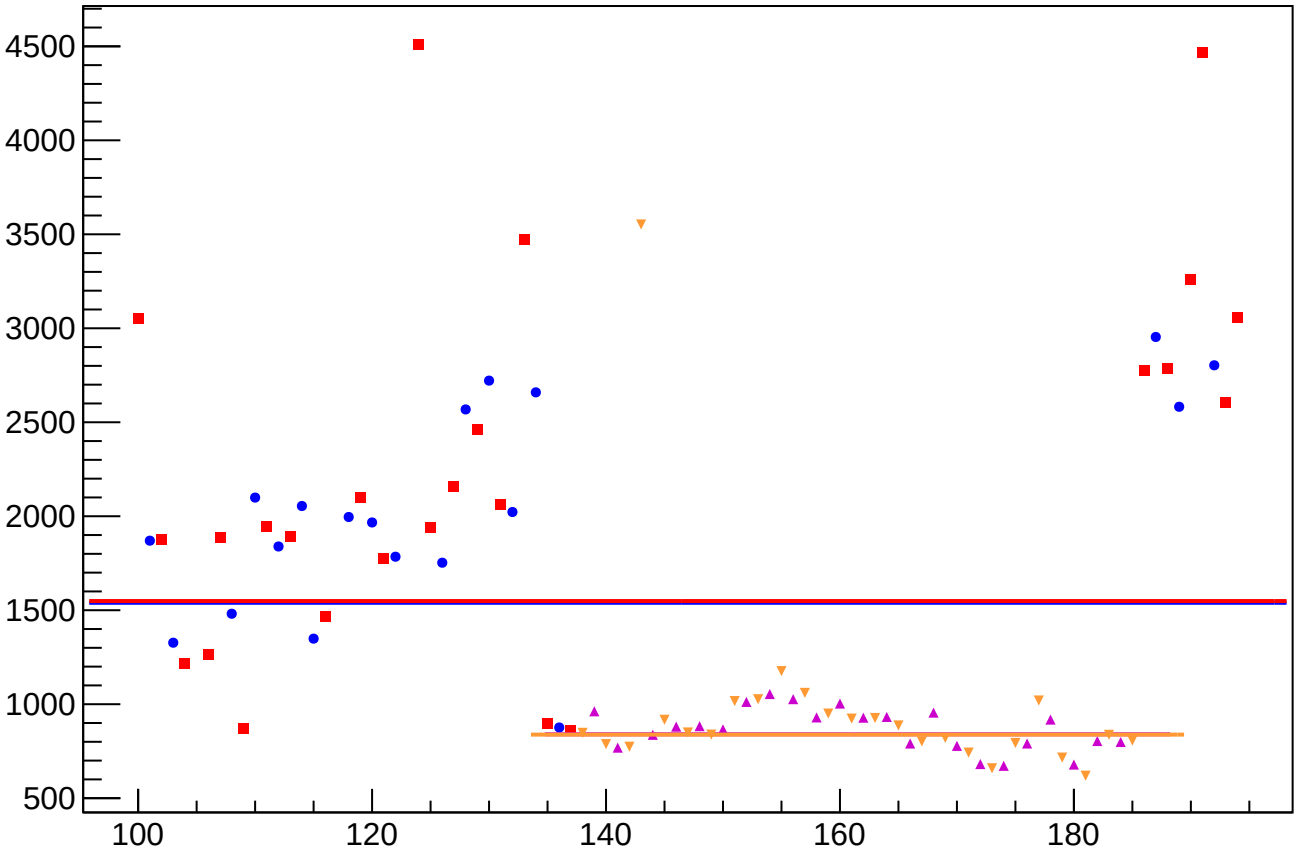
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 41.445+/-381.572 χ^2/NDF: 46.0/43

In: -124.006+/-187.006 χ^2/NDF:44.6/41

Out: 452.119+/-183.272 χ^2/NDF:90.0/49

All: 169.867+/-130.893 χ^2/NDF: 139.5/91



Right In: 1539.599+/-0.394 χ^2/NDF: 2491453.2/18

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1548.841+/-0.370 χ^2/NDF: 3885532.0/24

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

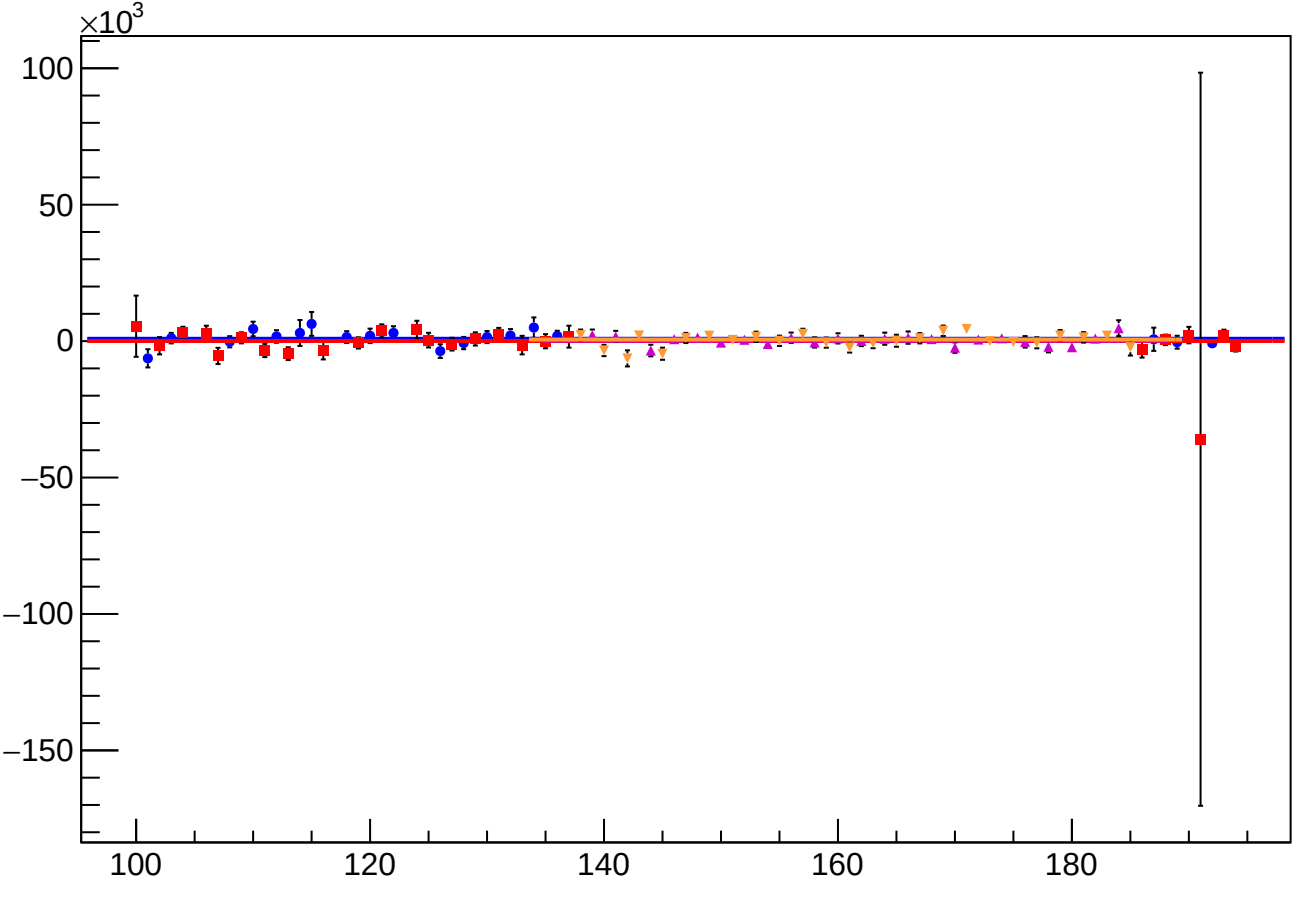
Right: 1544.516+/-0.270 χ^2/NDF: 6377277.3/43

In: 918.618+/-0.132 χ^2/NDF:5953565.1/41

Out: 925.469+/-0.130 χ^2/NDF:8922927.0/49

All: 922.112+/-0.093 χ^2/NDF: 14877861.5/91

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 855.349+/-562.994 χ^2/NDF: 16.3/18

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: 50.408+/-514.802 χ^2/NDF: 24.7/24

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

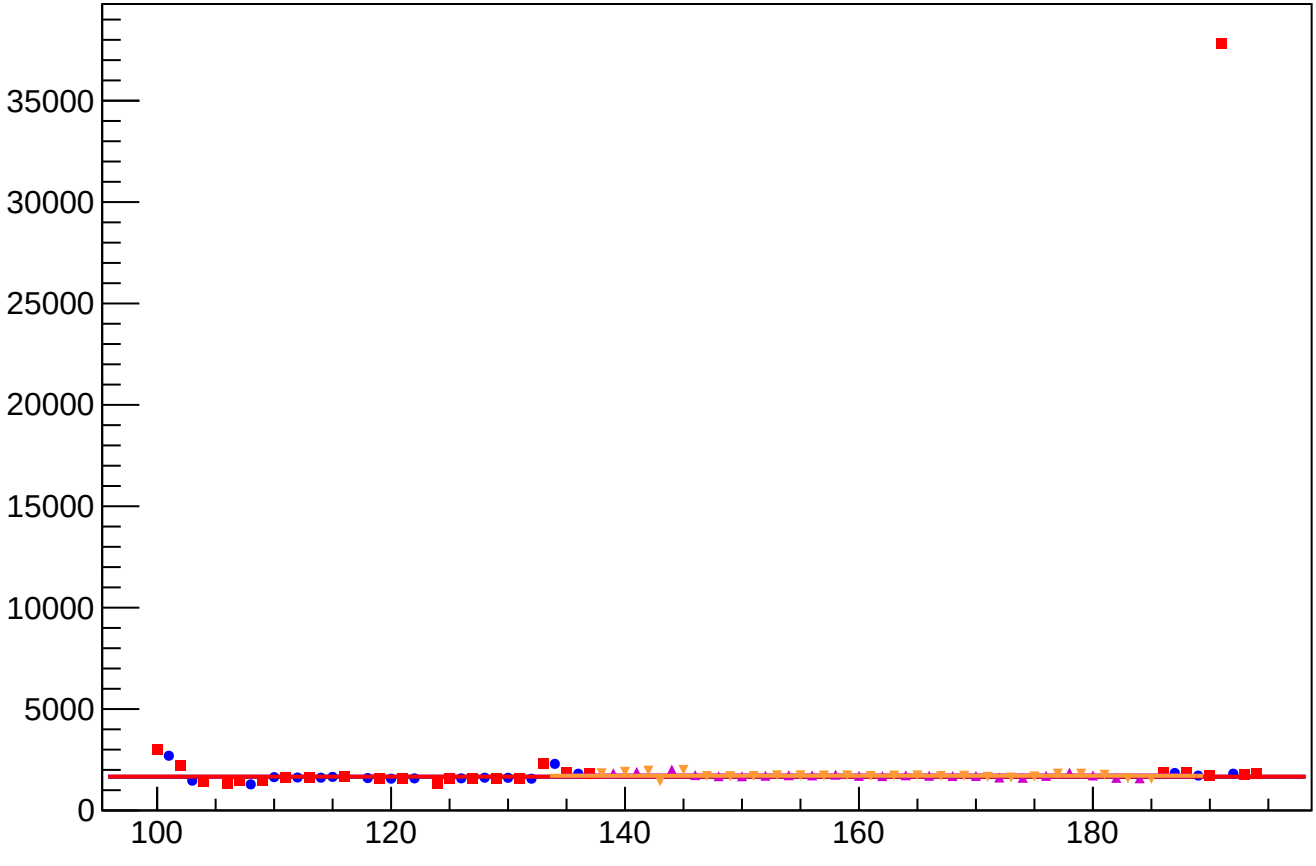
Right: 416.958+/-379.917 χ^2/NDF: 42.1/43

In: 413.478+/-328.285 χ^2/NDF:31.7/41

Out: 387.224+/-310.749 χ^2/NDF:57.3/49

All: 399.631+/-225.678 χ^2/NDF: 89.0/91

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1662.361+/-0.398 χ^2/NDF: 383077.0/18

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1667.520+/-0.364 χ^2/NDF: 505008.2/24

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

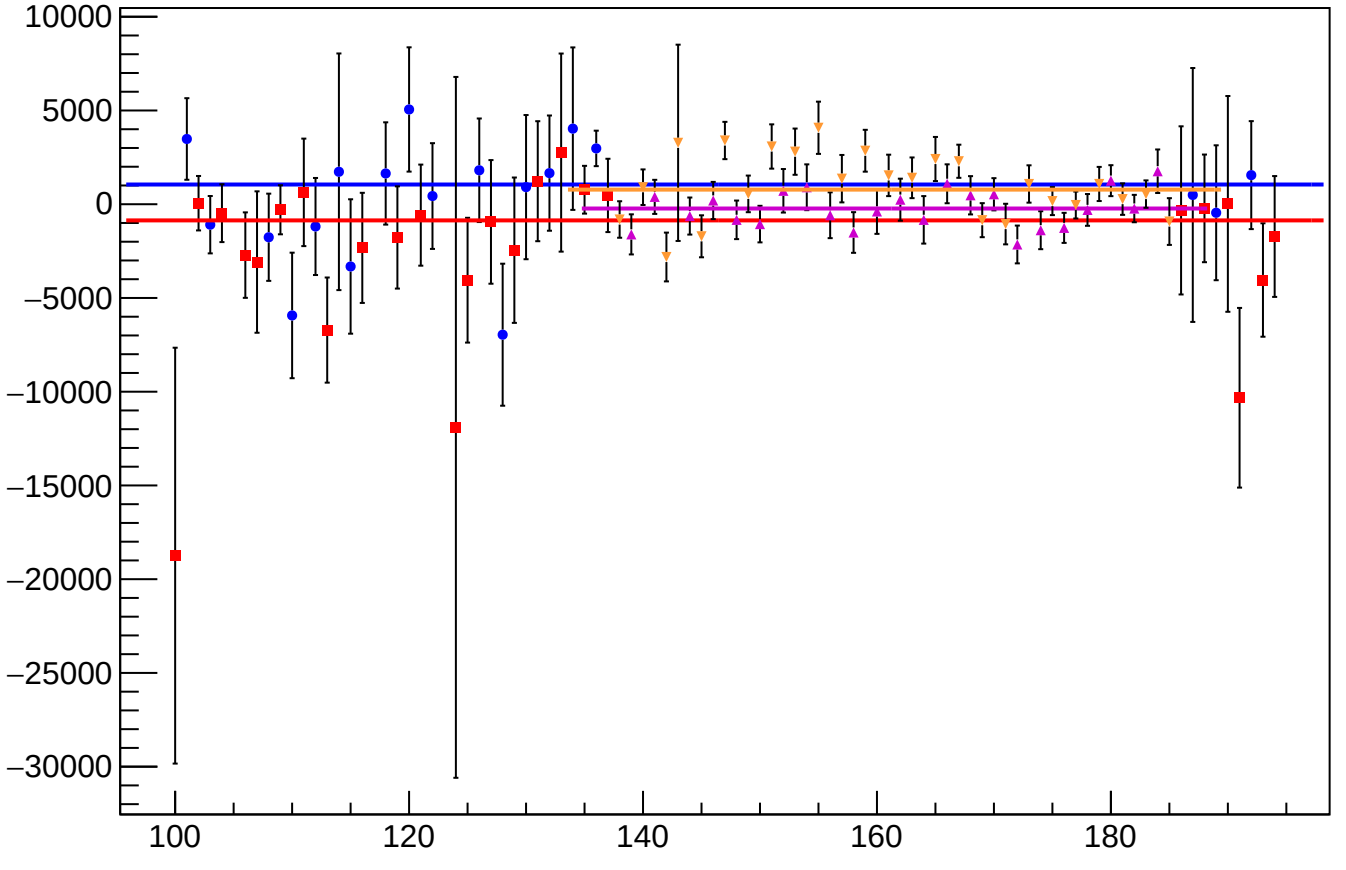
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1665.170+/-0.269 χ^2/NDF: 888176.7/43

In: 1705.624+/-0.232 χ^2/NDF:501198.7/41

Out: 1695.609+/-0.220 χ^2/NDF:682382.4/49

All: 1700.342+/-0.160 χ^2/NDF: 1184562.7/91



Right In: 1051.334+/-552.139 χ^2/NDF: 22.2/18

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: -862.641+/-493.890 χ^2/NDF: 18.9/24

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

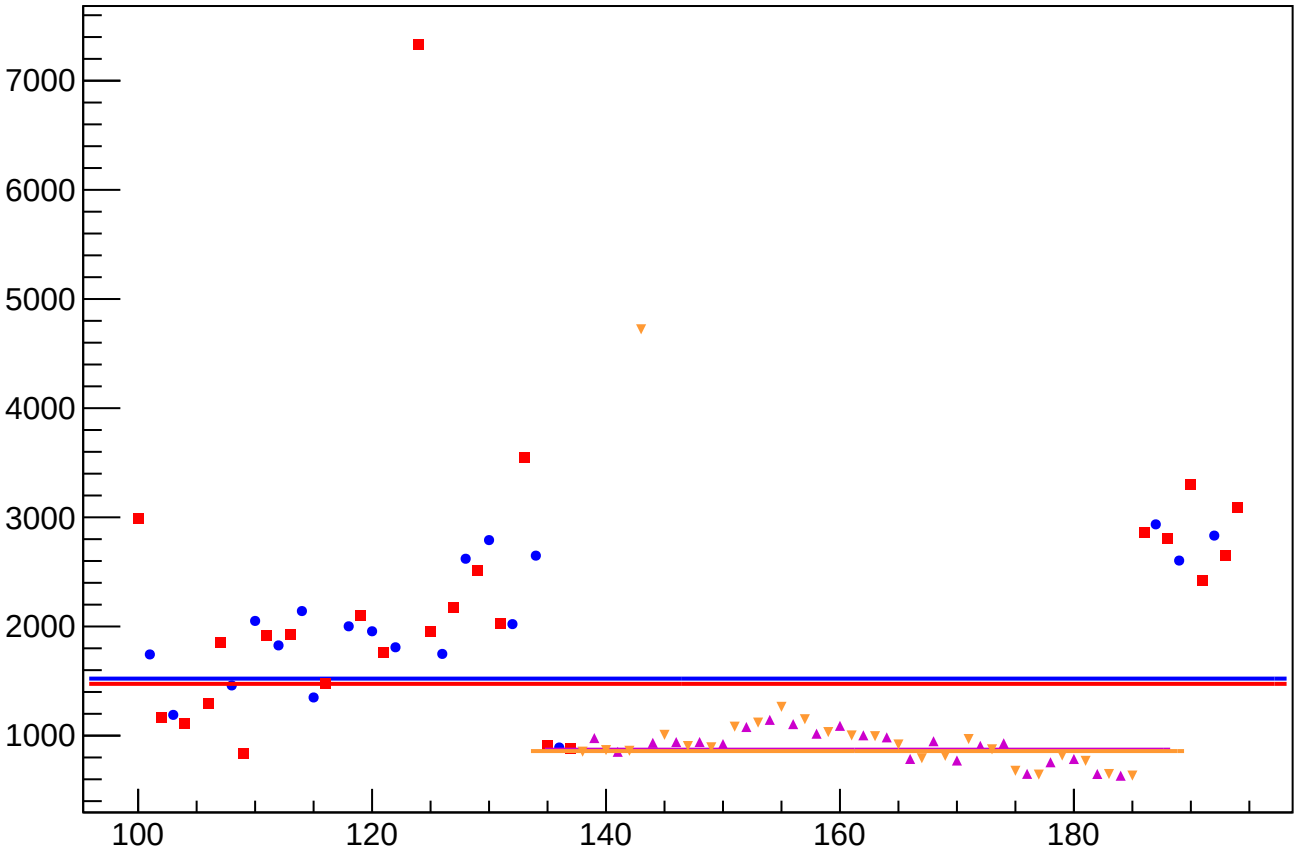
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

Right: -11.905+/-368.110 χ^2/NDF: 47.8/43

In: -71.510+/-193.583 χ^2/NDF:49.6/41

Out: 544.435+/-186.682 χ^2/NDF:82.9/49

All: 247.637+/-134.377 χ^2/NDF: 137.7/91



Right In: 1522.464+/-0.390 χ^2/NDF: 2493745.3/18

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1474.373+/-0.349 χ^2/NDF: 4096593.2/24

Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

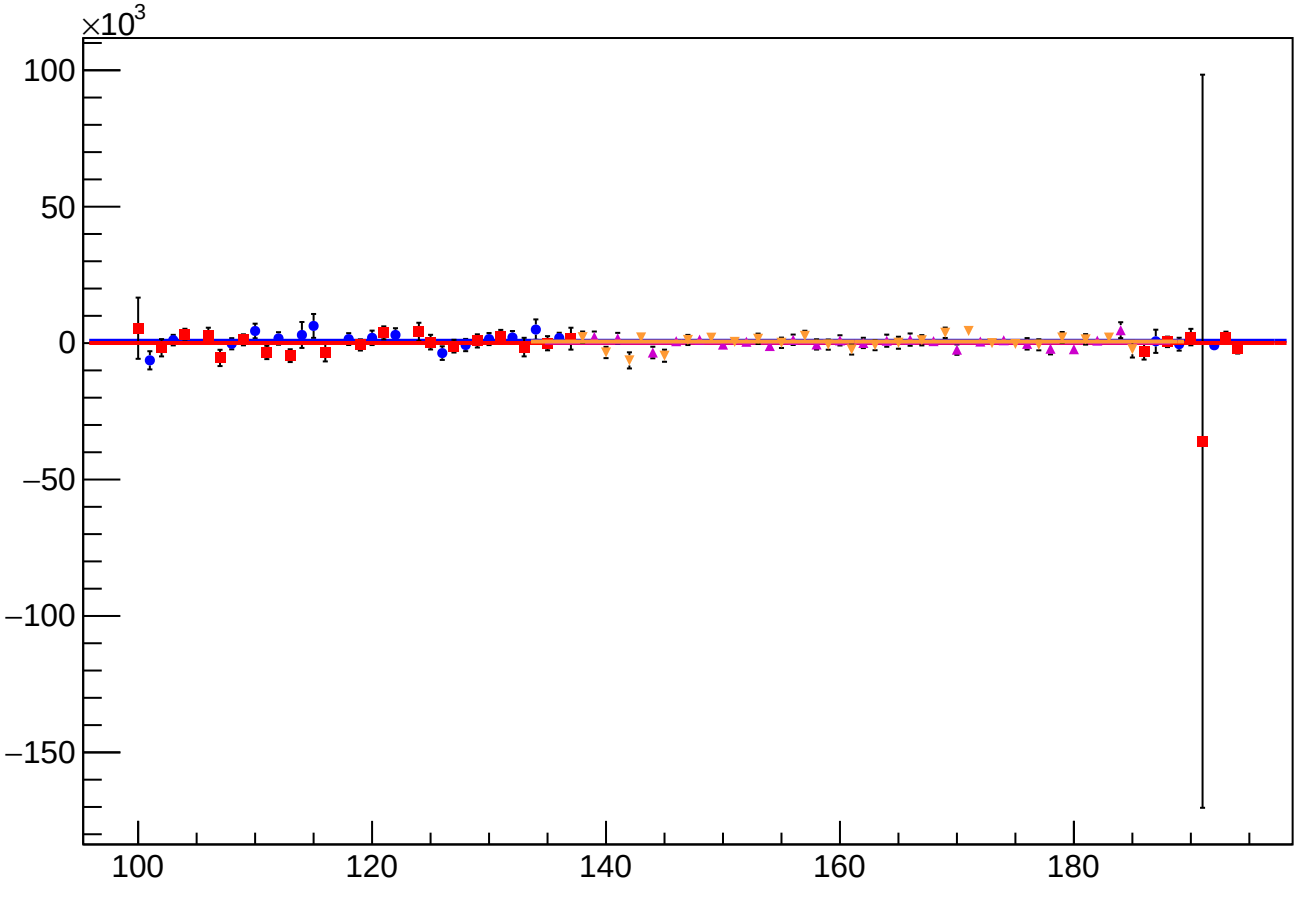
Left: 864.899+/-0.102 χ^2/NDF: 3263143.5/47

Right: 1495.749+/-0.260 χ^2/NDF: 6598767.1/43

In: 951.542+/-0.137 χ^2/NDF:5911186.6/41

Out: 946.570+/-0.132 χ^2/NDF:9041182.4/49

All: 948.966+/-0.095 χ^2/NDF: 14953052.8/91



Right In: 855.351+/-562.994 χ^2/NDF: 16.3/18

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: 50.411+/-514.802 χ^2/NDF: 24.7/24

Left In: 185.837+/-404.094 χ^2/NDF:14.4/22

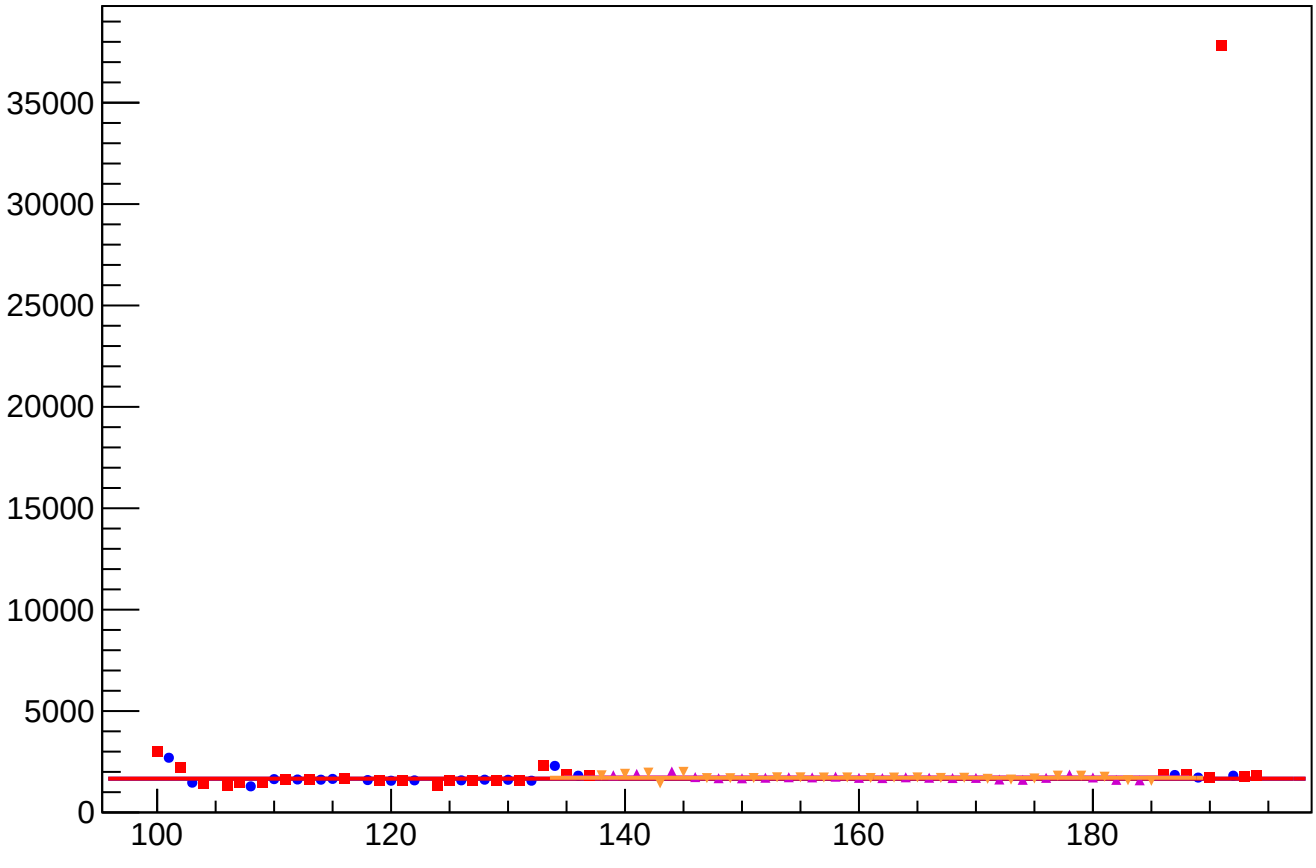
Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

Right: 416.961+/-379.917 χ^2/NDF: 42.1/43

In: 413.479+/-328.285 χ^2/NDF:31.7/41

Out: 387.222+/-310.749 χ^2/NDF:57.3/49

All: 399.631+/-225.678 χ^2/NDF: 89.0/91



Right In: 1662.360+/-0.398 χ^2/NDF: 383076.8/18

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1667.520+/-0.364 χ^2/NDF: 505008.4/24

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

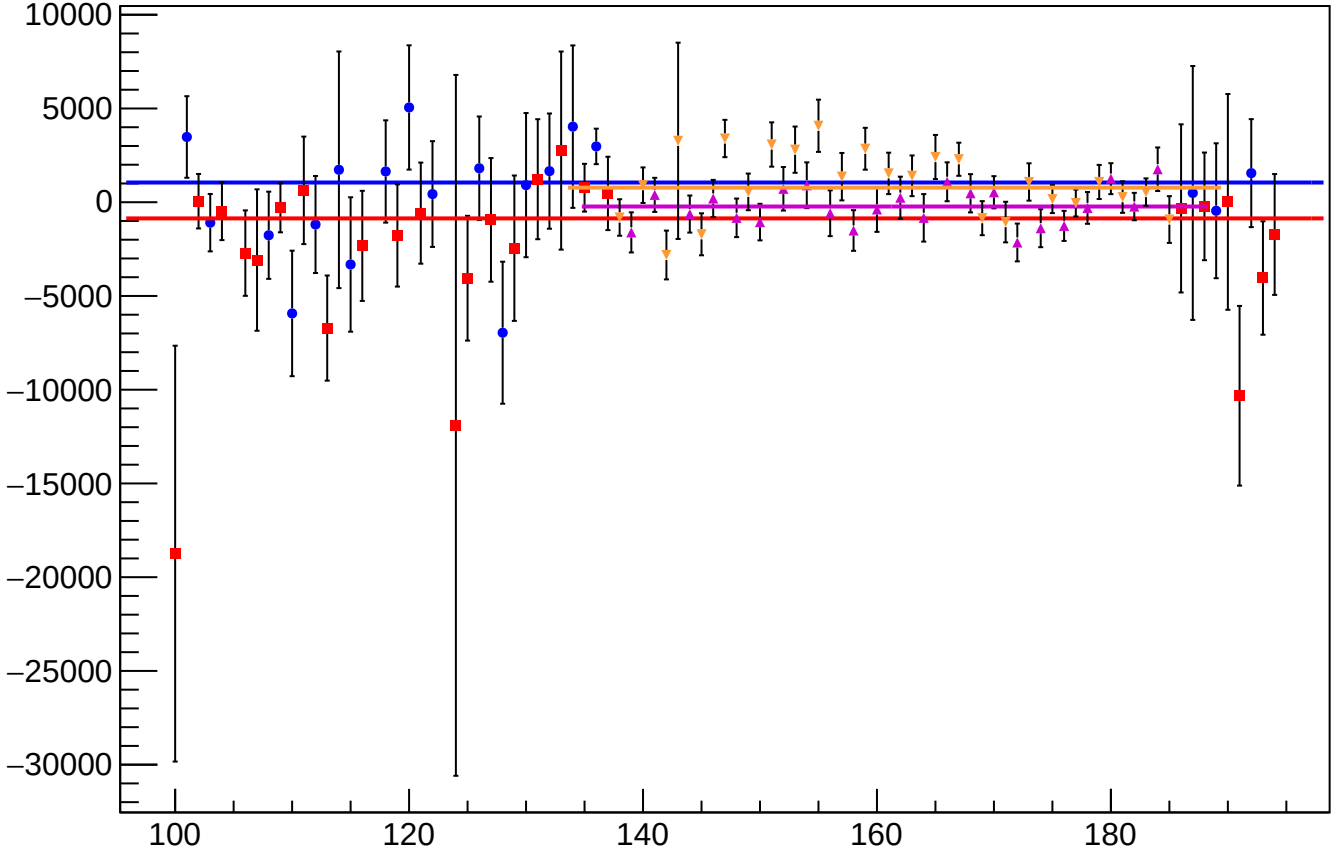
Right: 1665.170+/-0.269 χ^2/NDF: 888176.7/43

In: 1705.624+/-0.232 χ^2/NDF:501198.3/41

Out: 1695.609+/-0.220 χ^2/NDF:682381.3/49

All: 1700.342+/-0.160 χ^2/NDF: 1184561.2/91

asym_at2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1051.324+/-552.143 χ^2/NDF: 22.2/18

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: -862.656+/-493.893 χ^2/NDF: 18.9/24

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

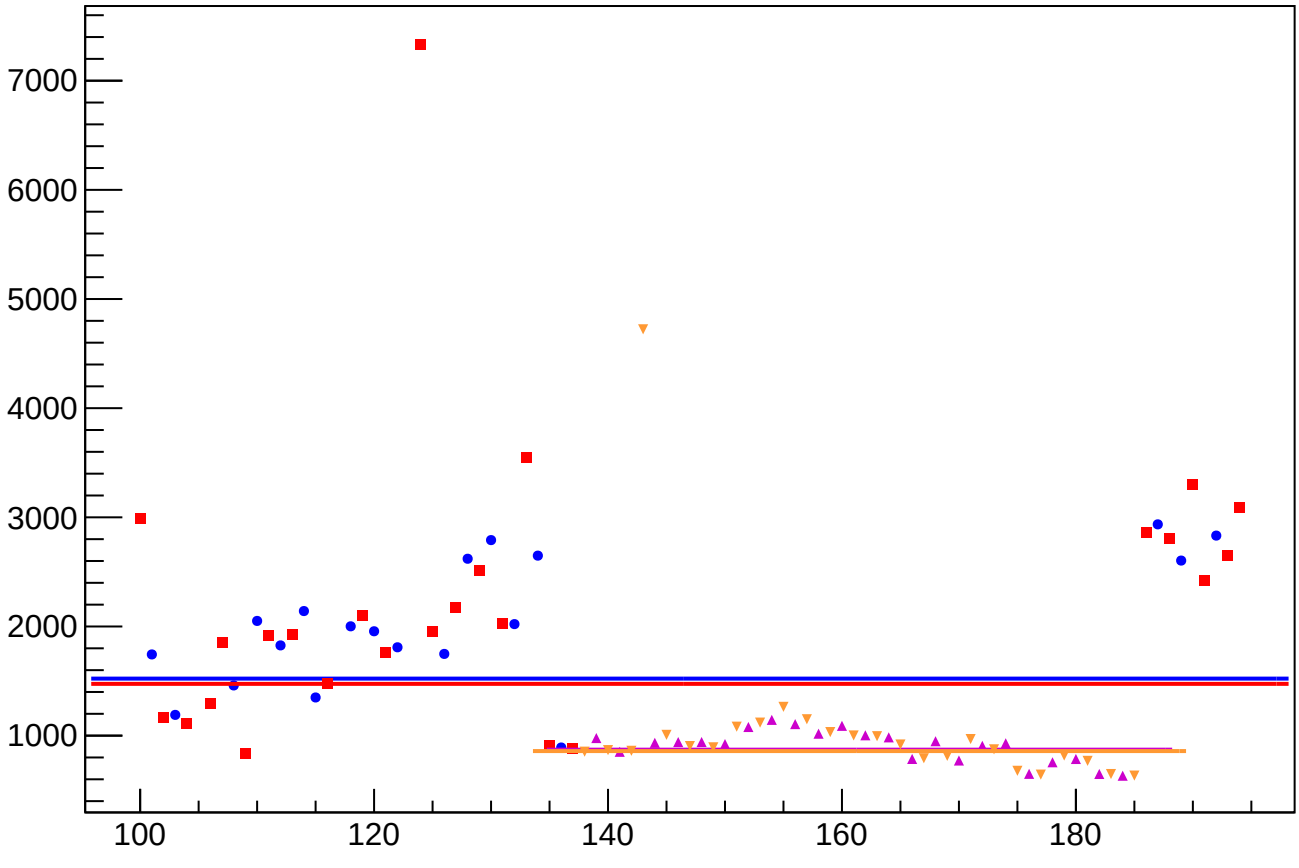
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: -11.918+/-368.113 χ^2/NDF: 47.8/43

In: -71.512+/-193.583 χ^2/NDF:49.6/41

Out: 544.438+/-186.682 χ^2/NDF:82.9/49

All: 247.637+/-134.377 χ^2/NDF: 137.7/91



Right In: 1522.480+/-0.390 χ^2/NDF: 2493630.3/18

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1474.387+/-0.349 χ^2/NDF: 4096482.5/24

Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

Left: 864.899+/-0.102 χ^2/NDF: 3263137.5/47

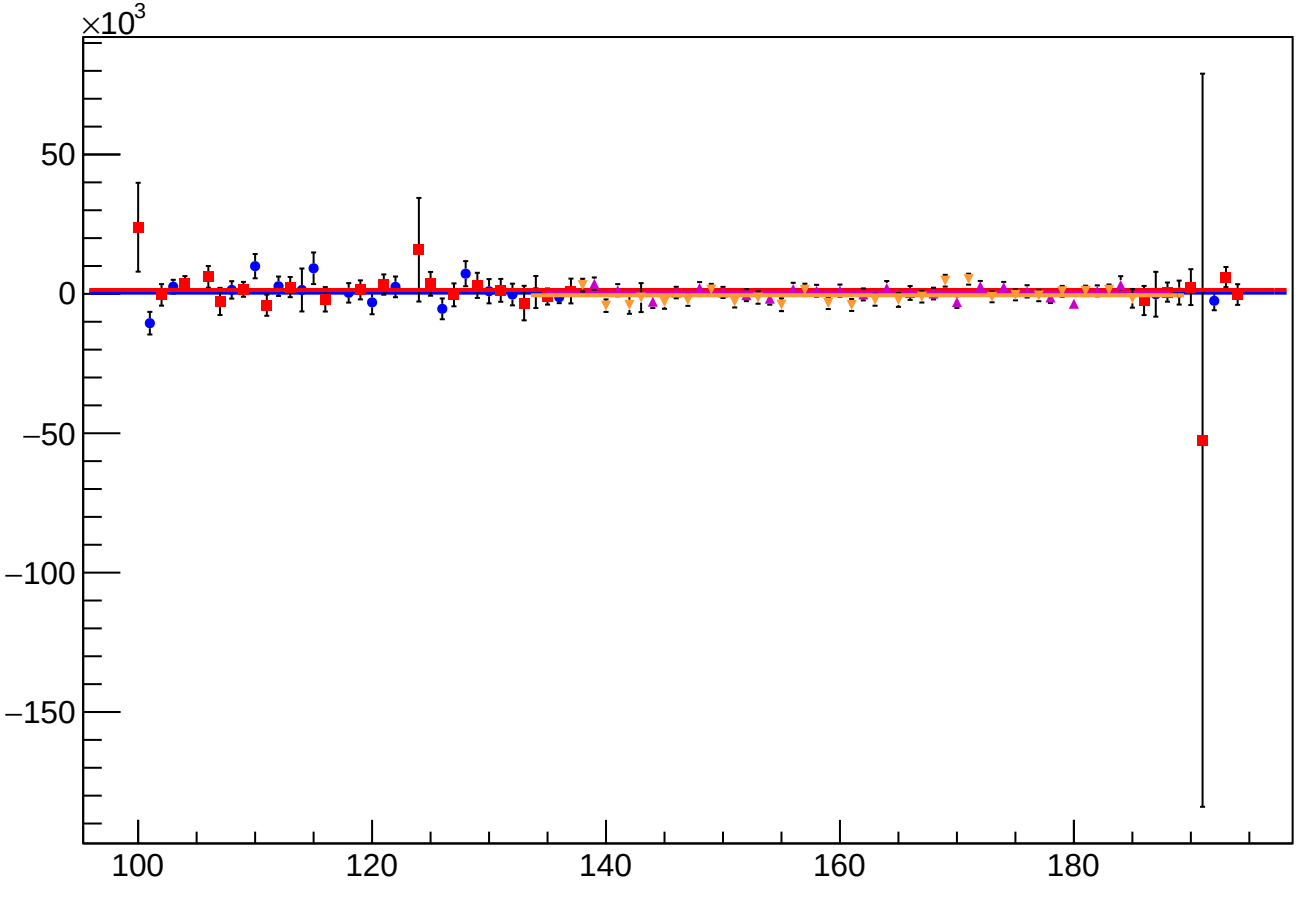
Right: 1495.763+/-0.260 χ^2/NDF: 6598541.9/43

In: 951.542+/-0.137 χ^2/NDF:5911173.1/41

Out: 946.571+/-0.132 χ^2/NDF:9041152.2/49

All: 948.966+/-0.095 χ^2/NDF: 14953008.7/91

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 441.532+/-855.820 χ^2/NDF: 22.8/18

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: 1387.853+/-801.787 χ^2/NDF: 13.4/24

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

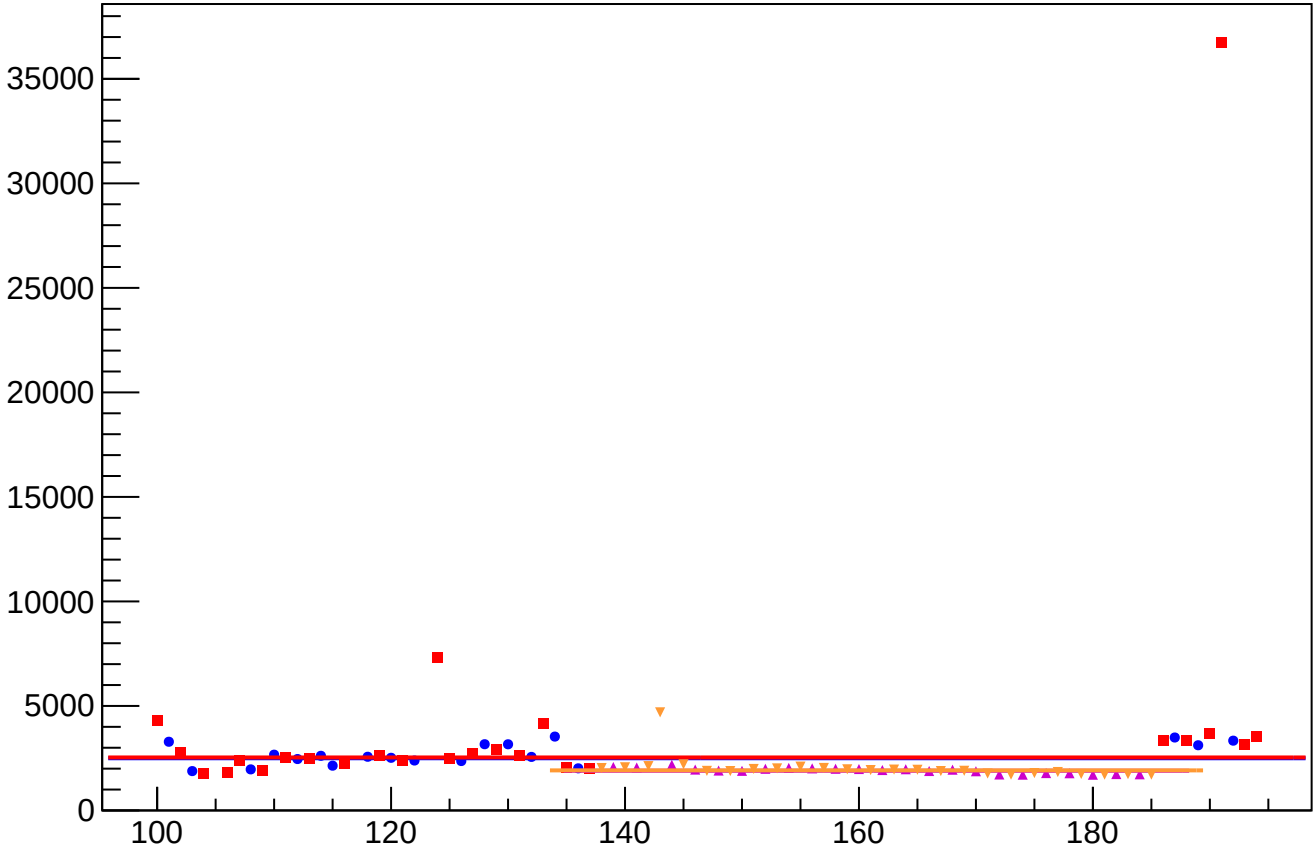
Right: 945.507+/-585.119 χ^2/NDF: 36.9/43

In: 417.743+/-394.518 χ^2/NDF:41.7/41

Out: -64.348+/-385.678 χ^2/NDF:53.6/49

All: 171.236+/-275.788 χ^2/NDF: 96.0/91

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2497.413+/-0.605 χ^2/NDF: 728235.2/18

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2535.187+/-0.567 χ^2/NDF: 1371002.5/24

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

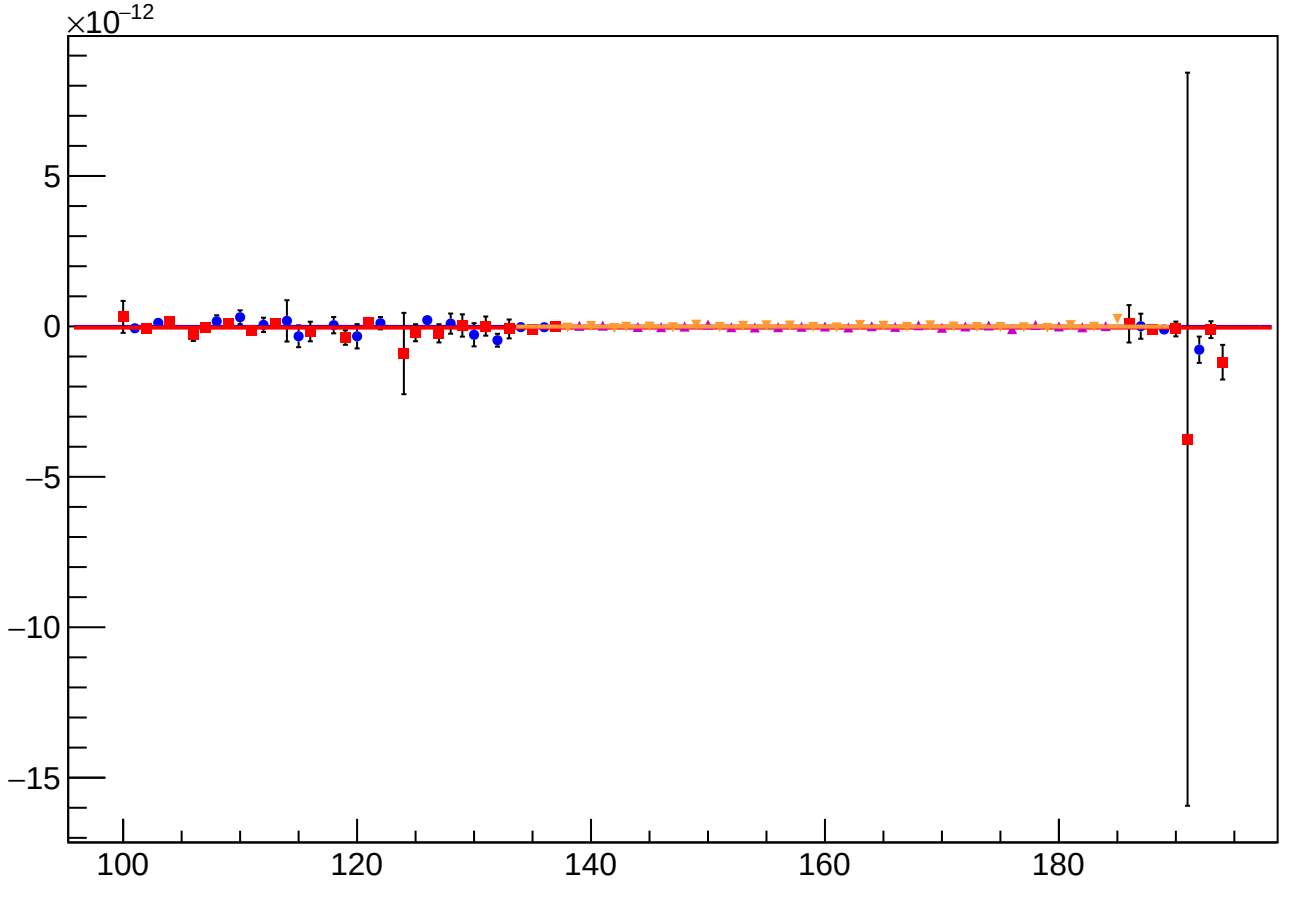
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2517.530+/-0.414 χ^2/NDF: 2101312.7/43

In: 2026.359+/-0.279 χ^2/NDF:1671026.3/41

Out: 2060.161+/-0.273 χ^2/NDF:3040755.8/49

All: 2043.643+/-0.195 χ^2/NDF: 4719289.2/91



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/24

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

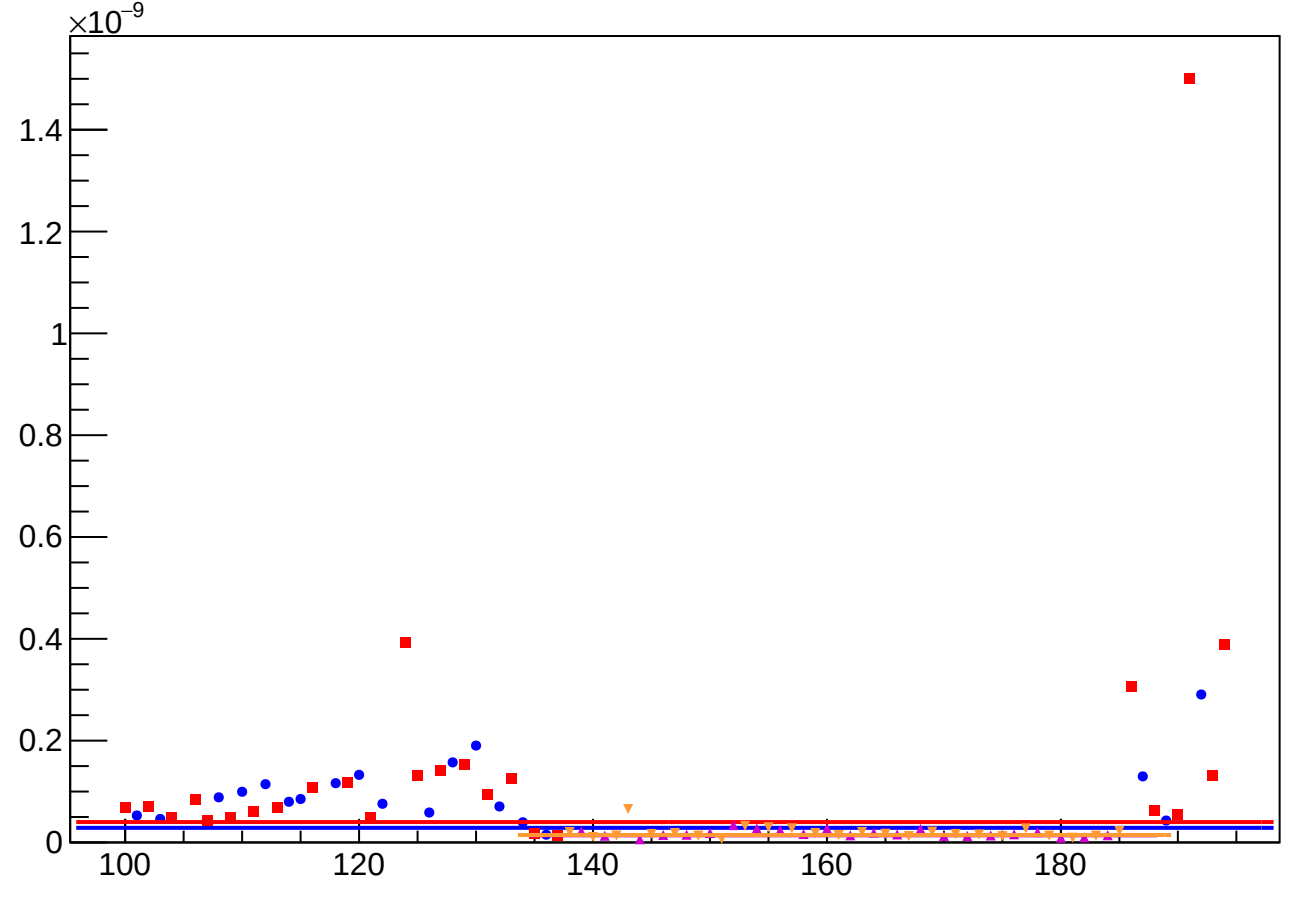
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 38.4/43

In: -0.000+/-0.000 χ^2/NDF:43.4/41

Out: -0.000+/-0.000 χ^2/NDF:49.8/49

All: -0.000+/-0.000 χ^2/NDF: 93.2/91



Right In: 0.000+/-0.000 χ^2/NDF: 3591016.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3889191.5/24

Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

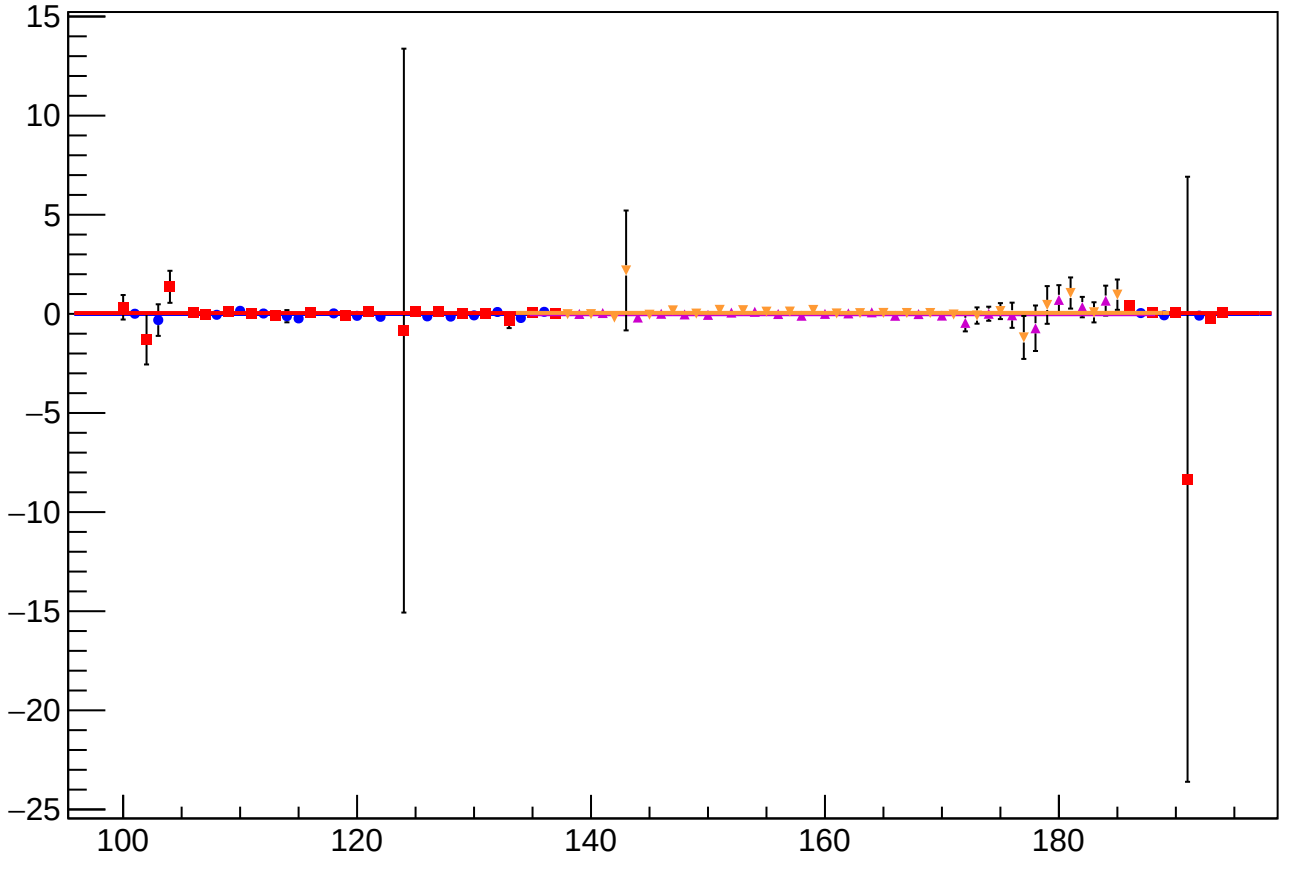
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 7693895.8/43

In: 0.000+/-0.000 χ^2/NDF:6384770.7/41

Out: 0.000+/-0.000 χ^2/NDF:7468430.5/49

All: 0.000+/-0.000 χ^2/NDF: 13873003.4/91



Right In: -0.006+/-0.025 χ^2/NDF: 14.6/18

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.042+/-0.021 χ^2/NDF: 22.2/24

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

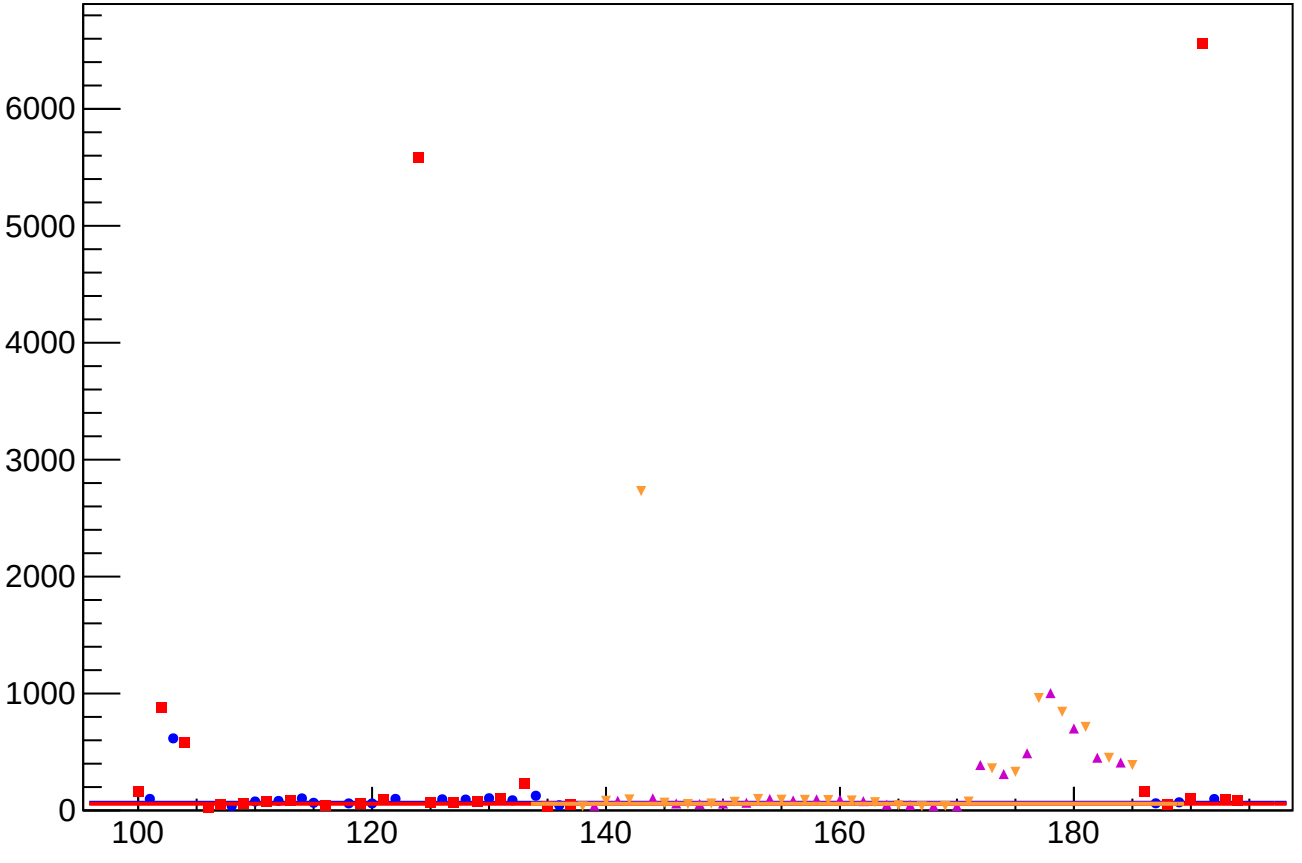
Right: 0.022+/-0.016 χ^2/NDF: 38.9/43

In: -0.015+/-0.014 χ^2/NDF:30.2/41

Out: 0.047+/-0.013 χ^2/NDF:46.8/49

All: 0.018+/-0.010 χ^2/NDF: 87.0/91

asym_at2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.690+/-0.018 χ^2/NDF: 2646367.6/18

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 57.368+/-0.015 χ^2/NDF: 5180033.8/24

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

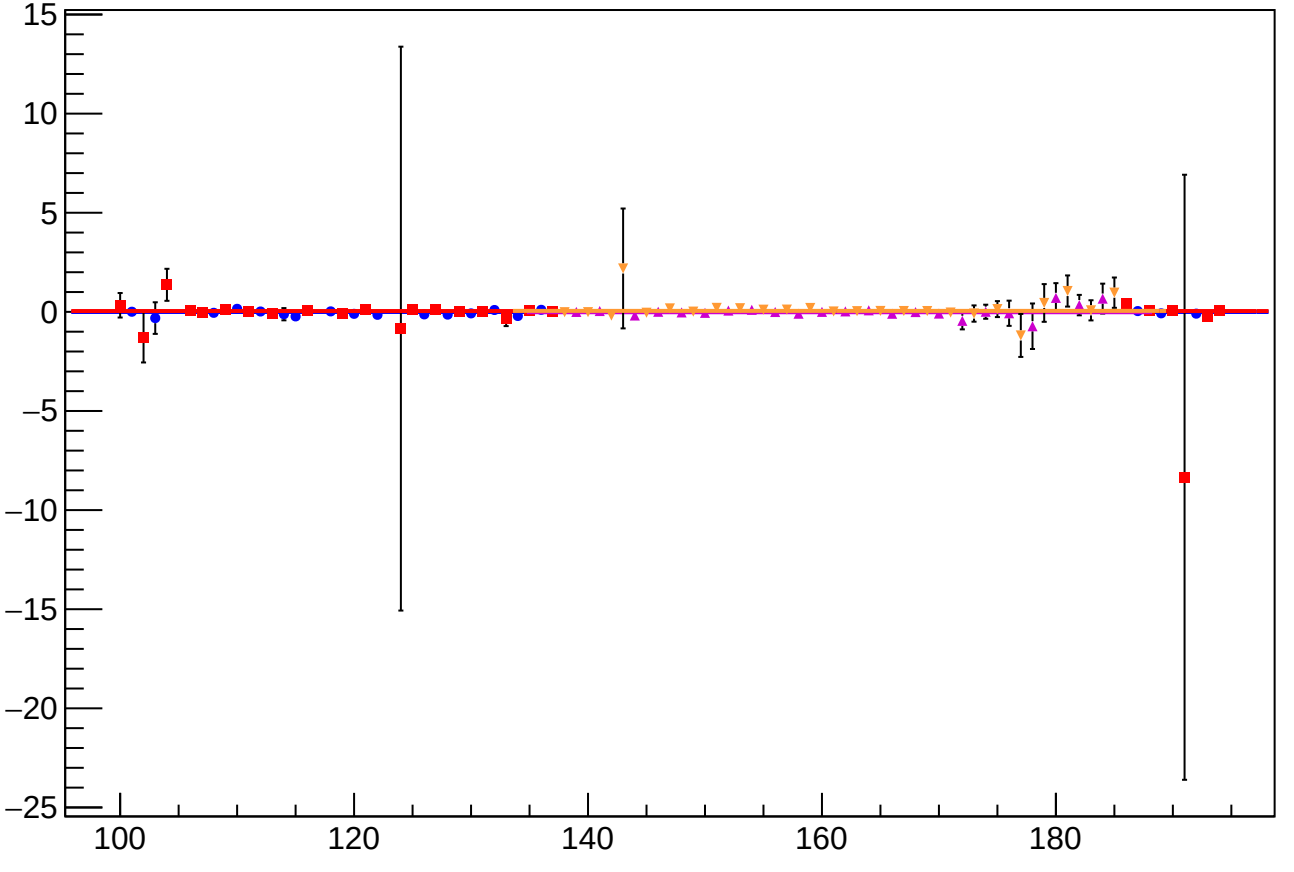
Right: 60.863+/-0.012 χ^2/NDF: 7953760.7/43

In: 60.837+/-0.010 χ^2/NDF:13003414.1/41

Out: 57.302+/-0.009 χ^2/NDF:17502084.9/49

All: 58.962+/-0.007 χ^2/NDF: 30571700.6/91

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.025 χ^2/NDF: 14.6/18

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.042+/-0.021 χ^2/NDF: 22.2/24

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

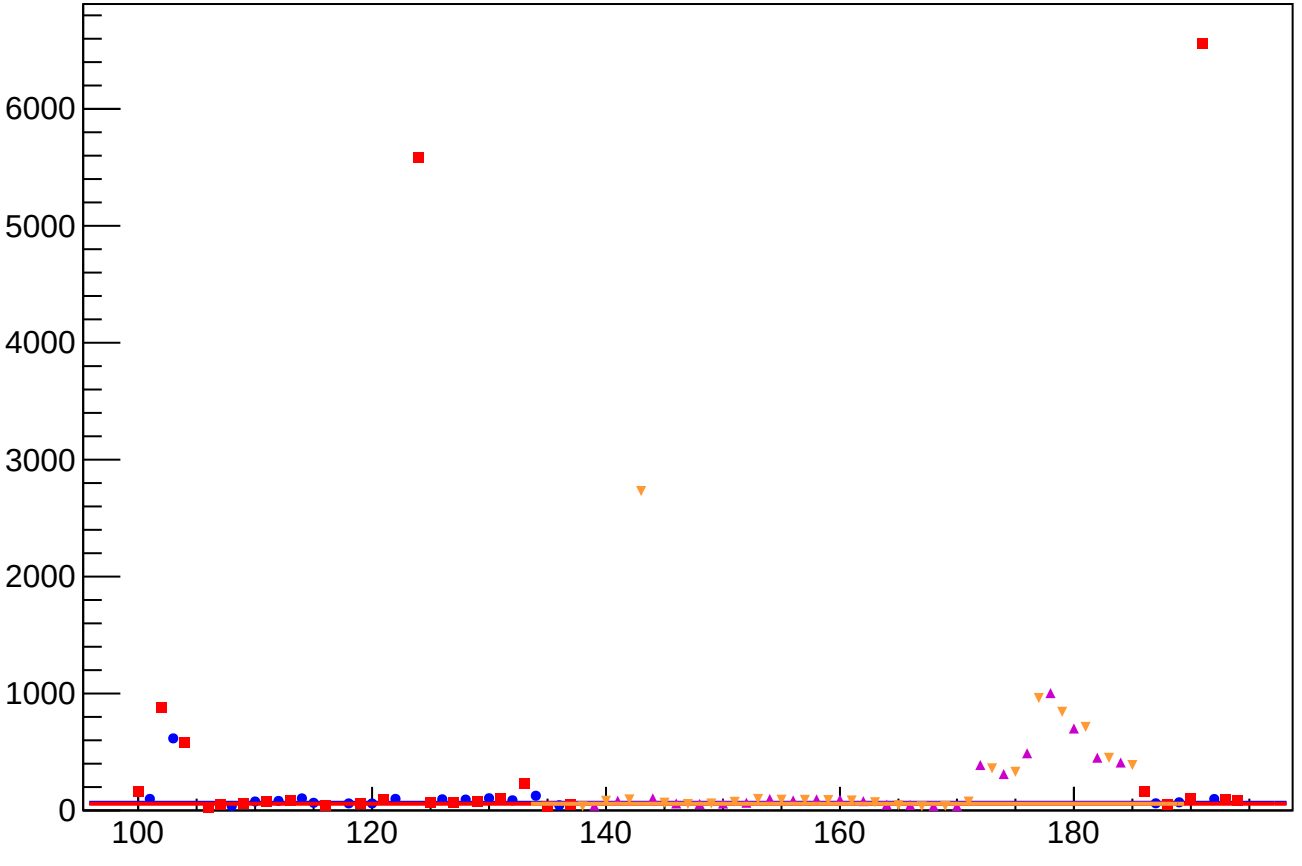
Right: 0.022+/-0.016 χ^2/NDF: 38.9/43

In: -0.015+/-0.014 χ^2/NDF:30.2/41

Out: 0.047+/-0.013 χ^2/NDF:46.8/49

All: 0.018+/-0.010 χ^2/NDF: 87.0/91

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.690+/-0.018 χ^2/NDF: 2646367.6/18

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 57.368+/-0.015 χ^2/NDF: 5180033.8/24

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

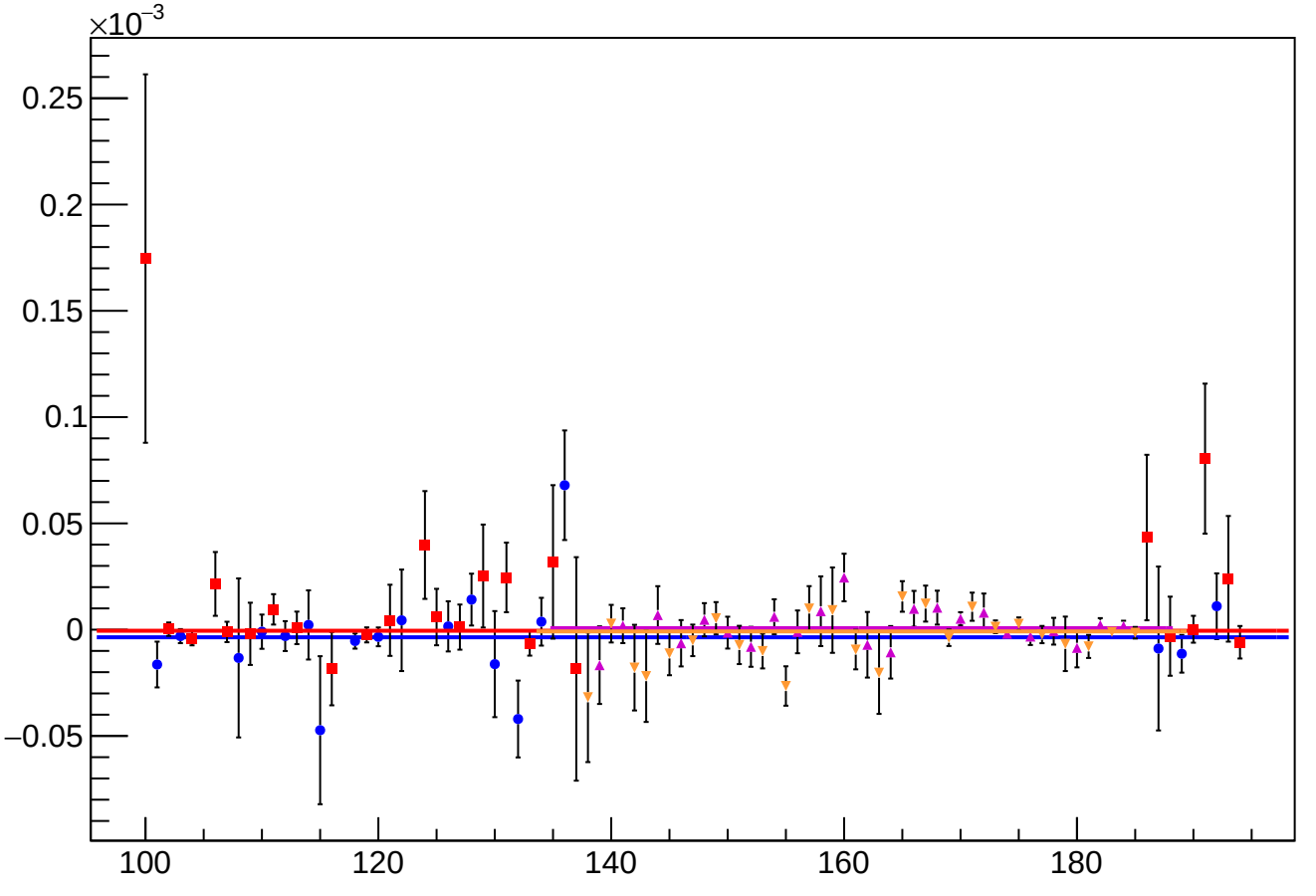
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 60.863+/-0.012 χ^2/NDF: 7953760.7/43

In: 60.837+/-0.010 χ^2/NDF:13003414.1/41

Out: 57.302+/-0.009 χ^2/NDF:17502084.9/49

All: 58.962+/-0.007 χ^2/NDF: 30571700.6/91



Right In: -0.000+/-0.000 χ^2/NDF: 20.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.9/24

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

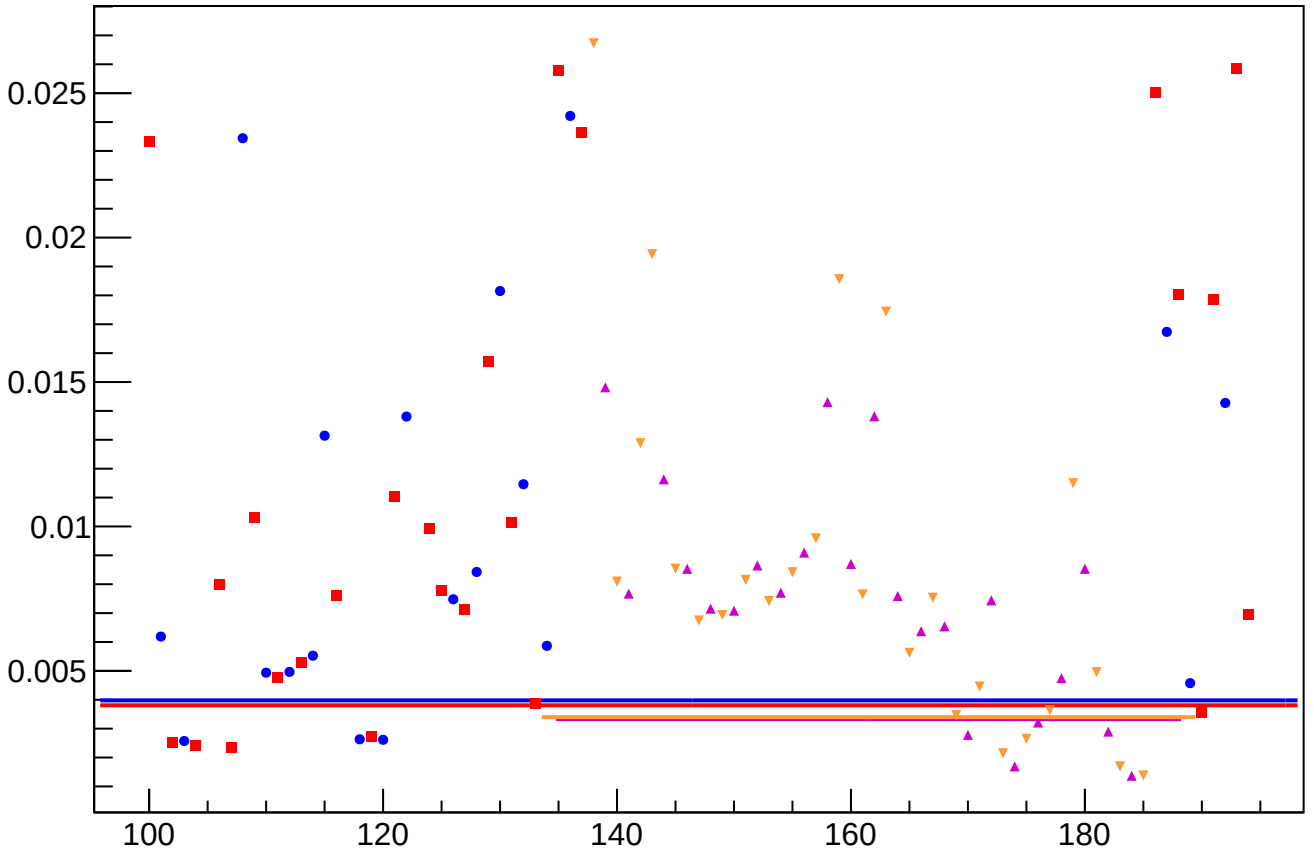
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 49.3/43

In: -0.000+/-0.000 χ^2/NDF:43.7/41

Out: -0.000+/-0.000 χ^2/NDF:59.7/49

All: -0.000+/-0.000 χ^2/NDF: 103.5/91



Right In: 0.004+/-0.000 χ^2/NDF: 5858694.5/18

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 8121348.5/24

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

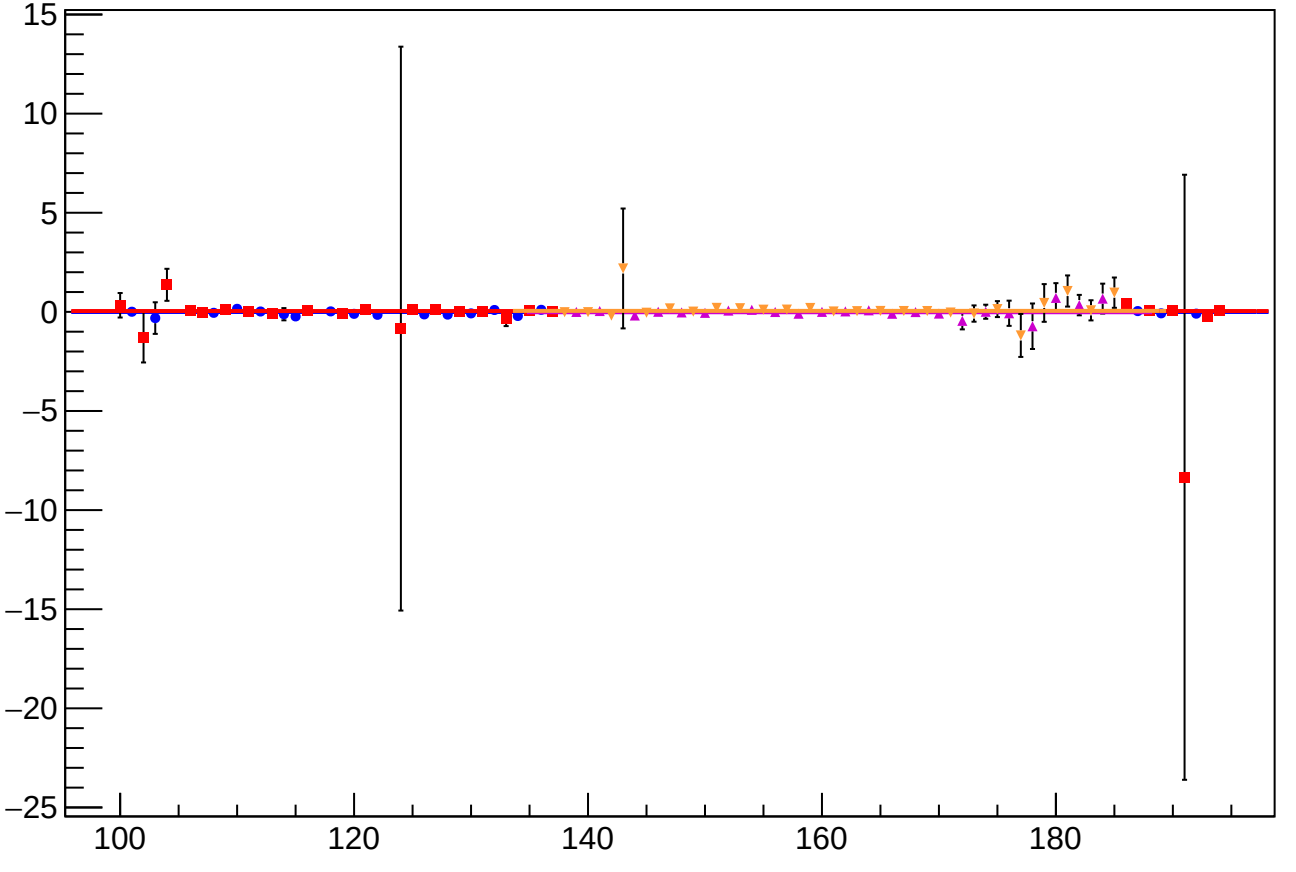
Right: 0.004+/-0.000 χ^2/NDF: 13991006.9/43

In: 0.003+/-0.000 χ^2/NDF:18624661.1/41

Out: 0.004+/-0.000 χ^2/NDF:22475707.5/49

All: 0.004+/-0.000 χ^2/NDF: 41102212.1/91

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.025 χ^2/NDF: 14.6/18

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.042+/-0.021 χ^2/NDF: 22.2/24

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

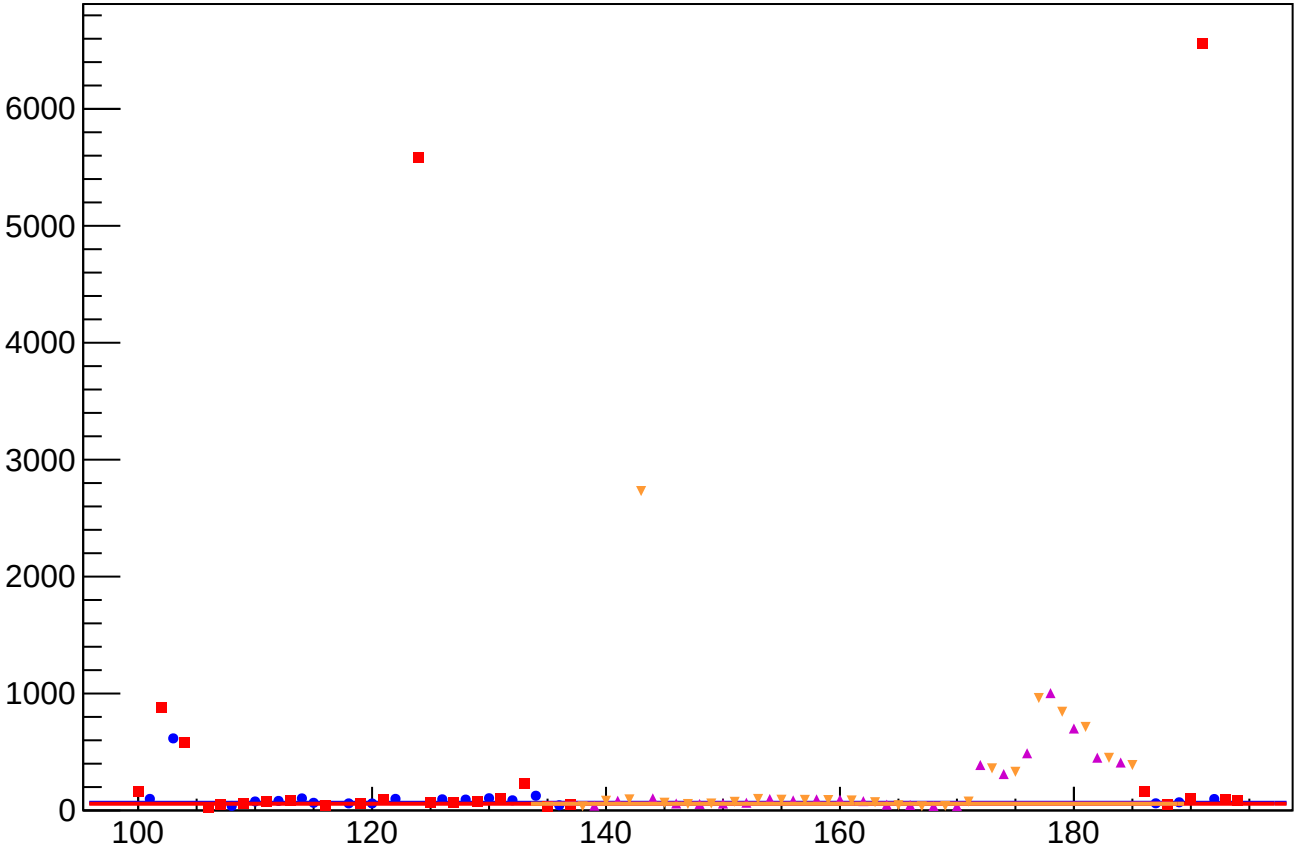
Right: 0.022+/-0.016 χ^2/NDF: 38.9/43

In: -0.015+/-0.014 χ^2/NDF:30.2/41

Out: 0.047+/-0.013 χ^2/NDF:46.8/49

All: 0.018+/-0.010 χ^2/NDF: 87.0/91

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.698+/-0.018 χ^2/NDF: 2645276.0/18

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 57.363+/-0.015 χ^2/NDF: 5180693.5/24

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

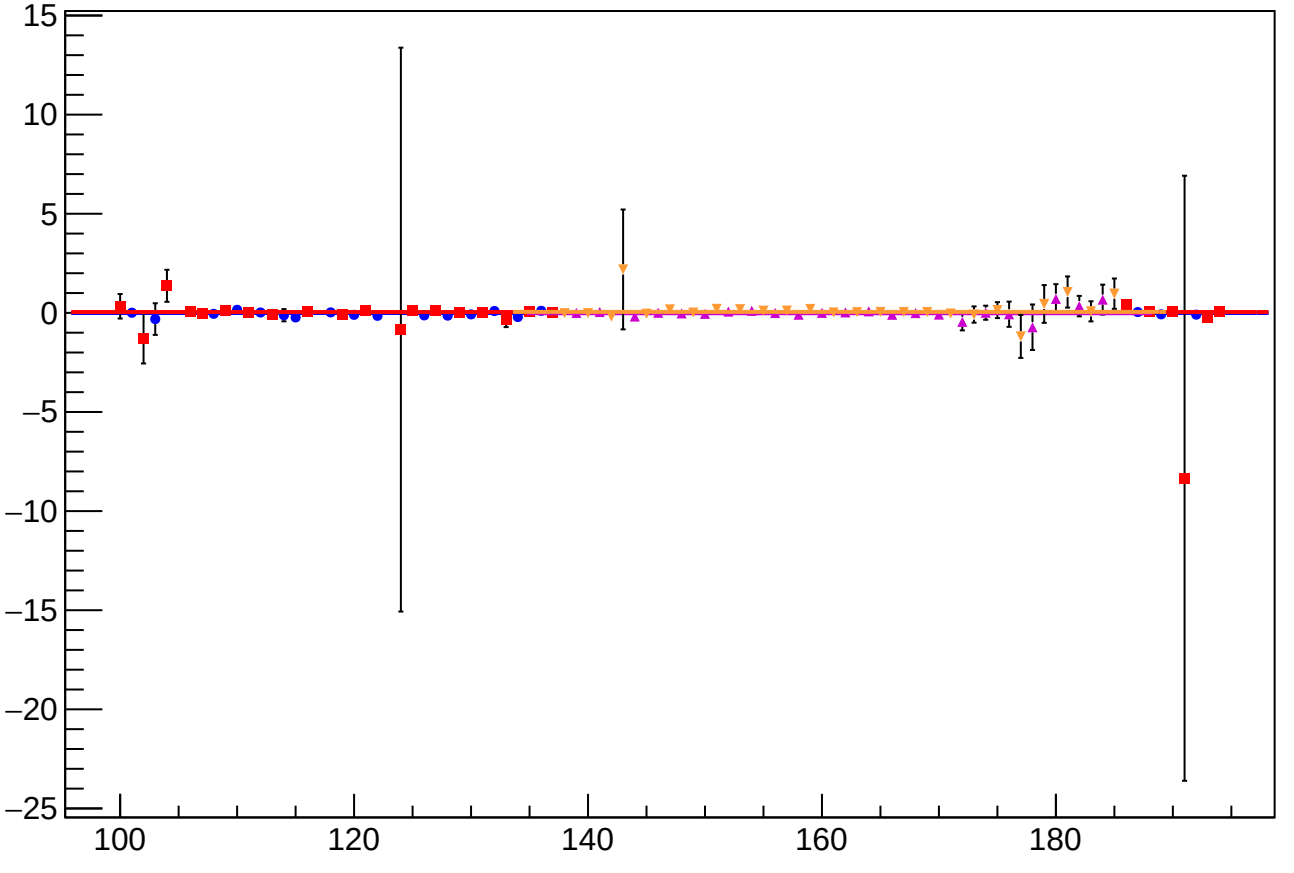
Right: 60.862+/-0.012 χ^2/NDF: 7953706.3/43

In: 60.841+/-0.010 χ^2/NDF:13001964.3/41

Out: 57.299+/-0.009 χ^2/NDF:17502486.1/49

All: 58.962+/-0.007 χ^2/NDF: 30570893.9/91

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.025 χ^2/NDF: 14.6/18

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.042+/-0.021 χ^2/NDF: 22.2/24

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

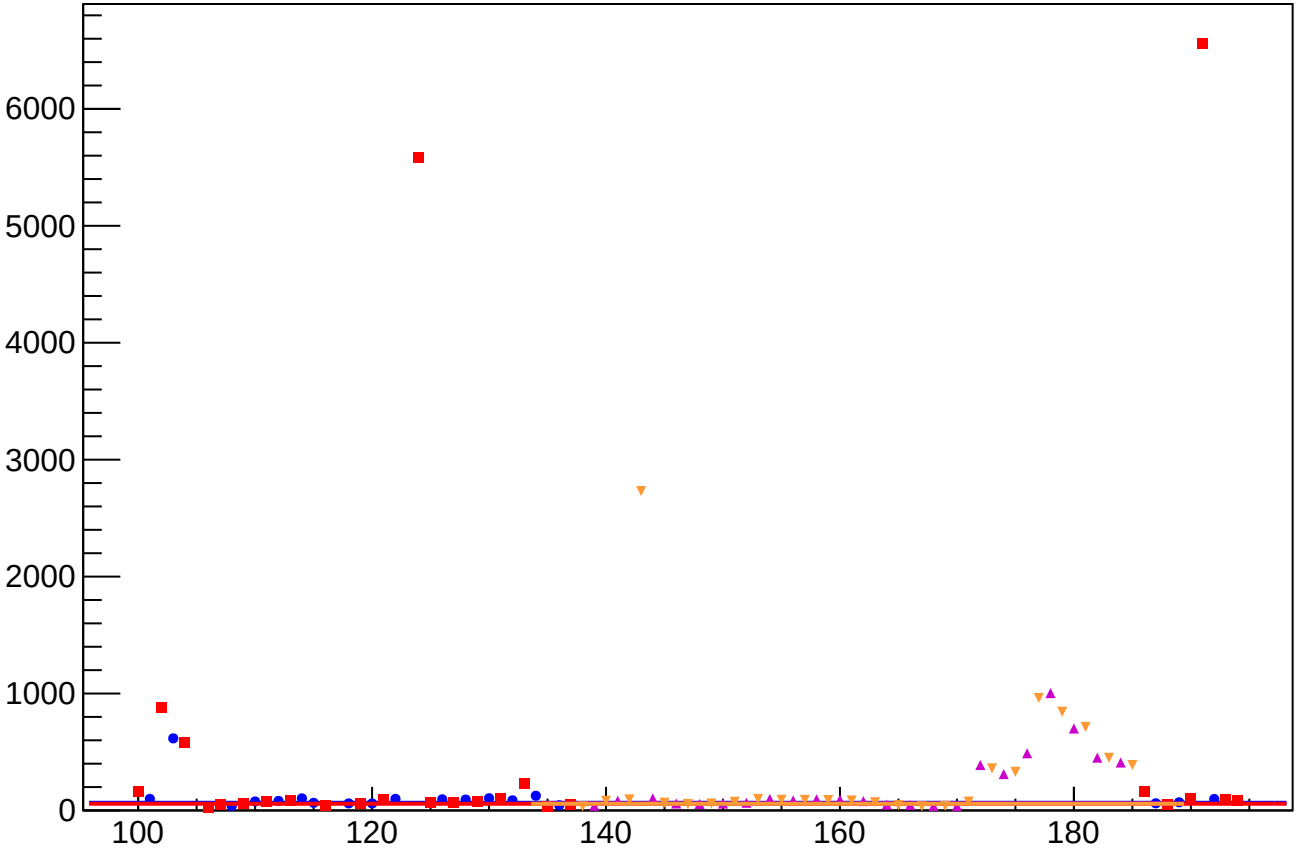
Right: 0.022+/-0.016 χ^2/NDF: 38.9/43

In: -0.015+/-0.014 χ^2/NDF:30.2/41

Out: 0.047+/-0.013 χ^2/NDF:46.8/49

All: 0.018+/-0.010 χ^2/NDF: 87.0/91

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.698+/-0.018 χ^2/NDF: 2645276.0/18

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 57.363+/-0.015 χ^2/NDF: 5180693.5/24

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

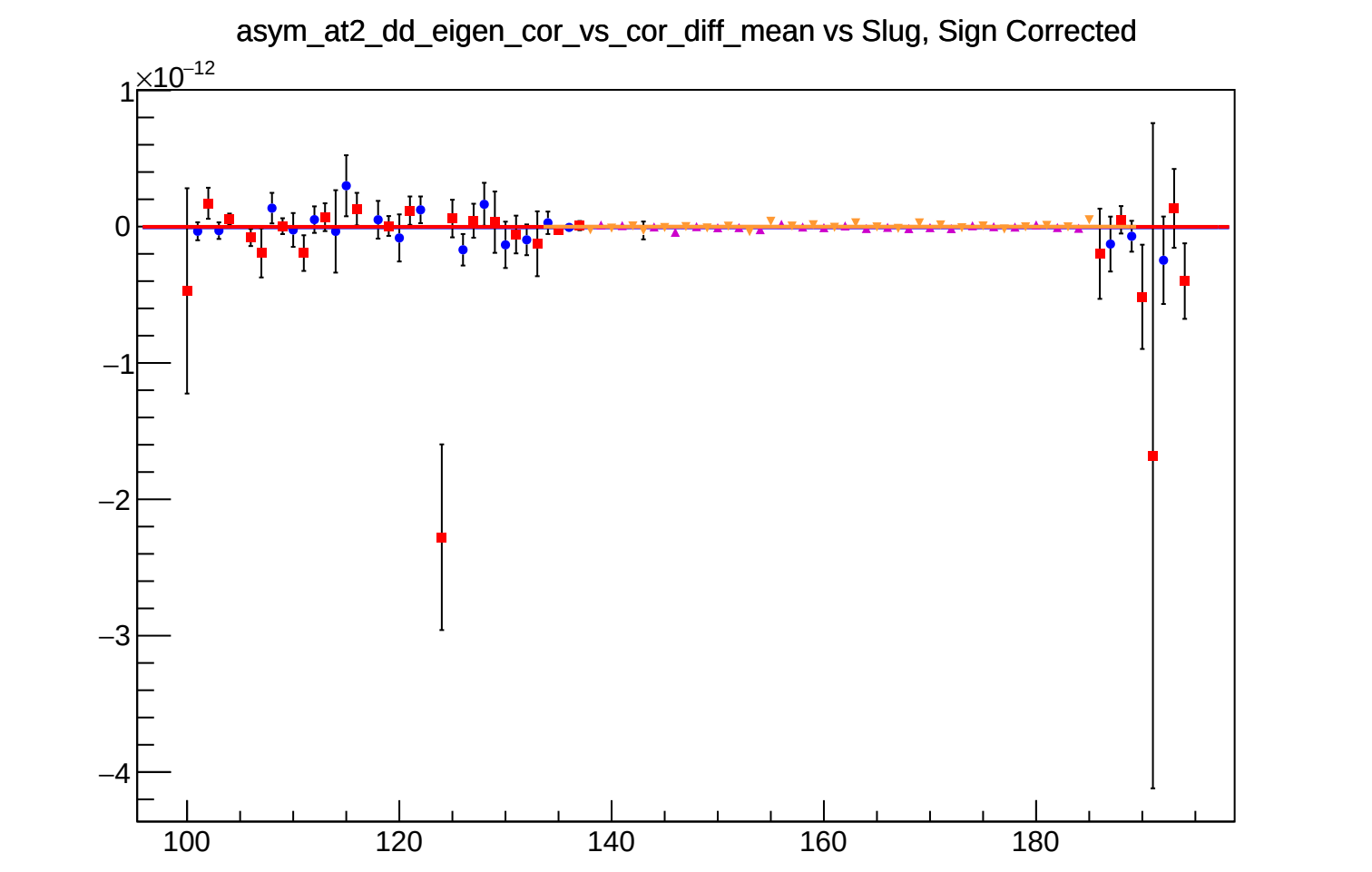
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 60.862+/-0.012 χ^2/NDF: 7953706.3/43

In: 60.841+/-0.010 χ^2/NDF:13001964.3/41

Out: 57.299+/-0.009 χ^2/NDF:17502486.1/49

All: 58.962+/-0.007 χ^2/NDF: 30570893.9/91



Right In: -0.000+/-0.000 χ^2/NDF: 12.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/24

Left In: -0.000+/-0.000 χ^2/NDF:15.4/22

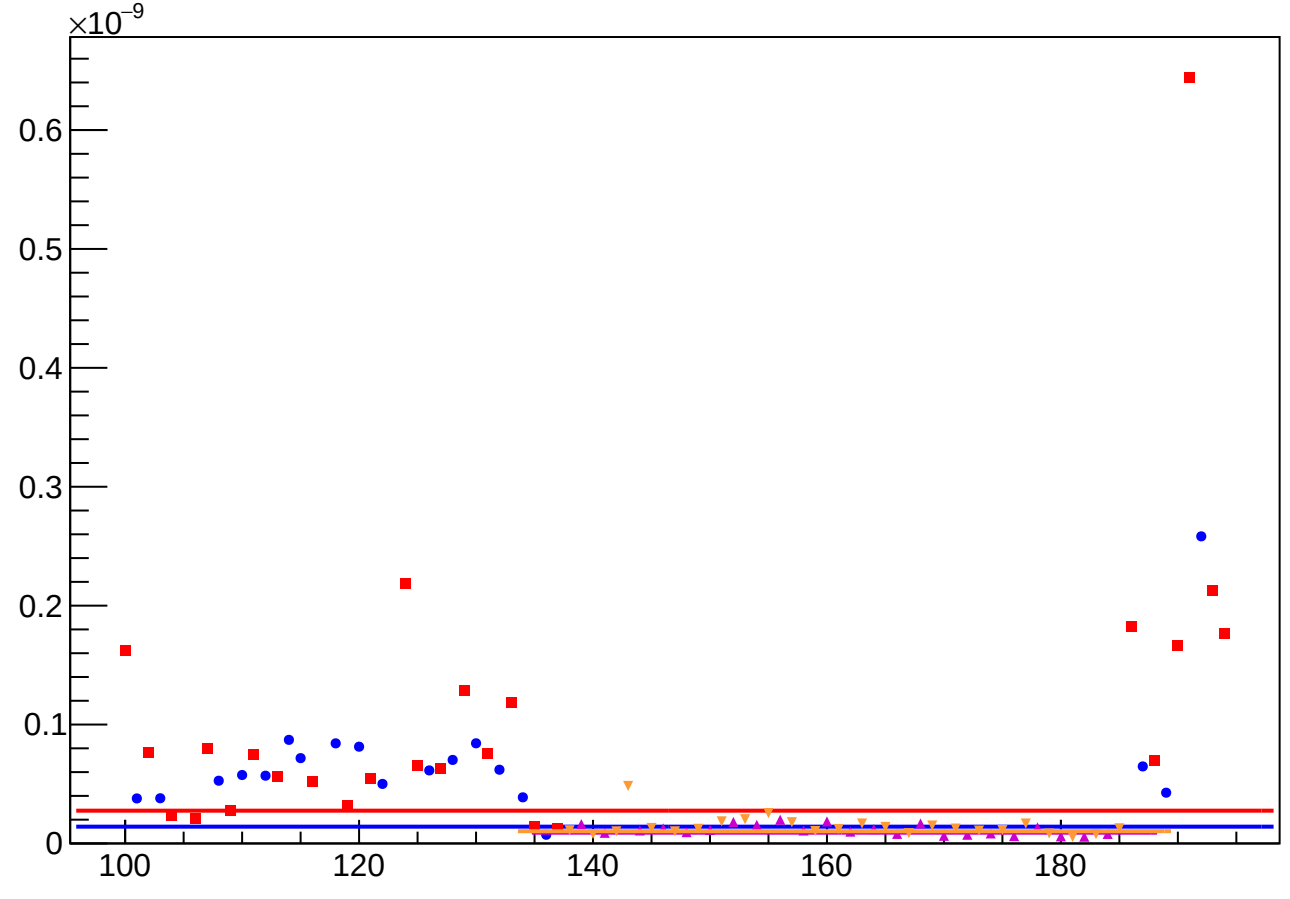
Left: -0.000+/-0.000 χ^2/NDF: 34.5/47

Right: -0.000+/-0.000 χ^2/NDF: 42.4/43

In: -0.000+/-0.000 χ^2/NDF:27.6/41

Out: -0.000+/-0.000 χ^2/NDF:49.1/49

All: -0.000+/-0.000 χ^2/NDF: 77.1/91



Right In: 0.000+/-0.000 χ^2/NDF: 6413770.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6218820.6/24

Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

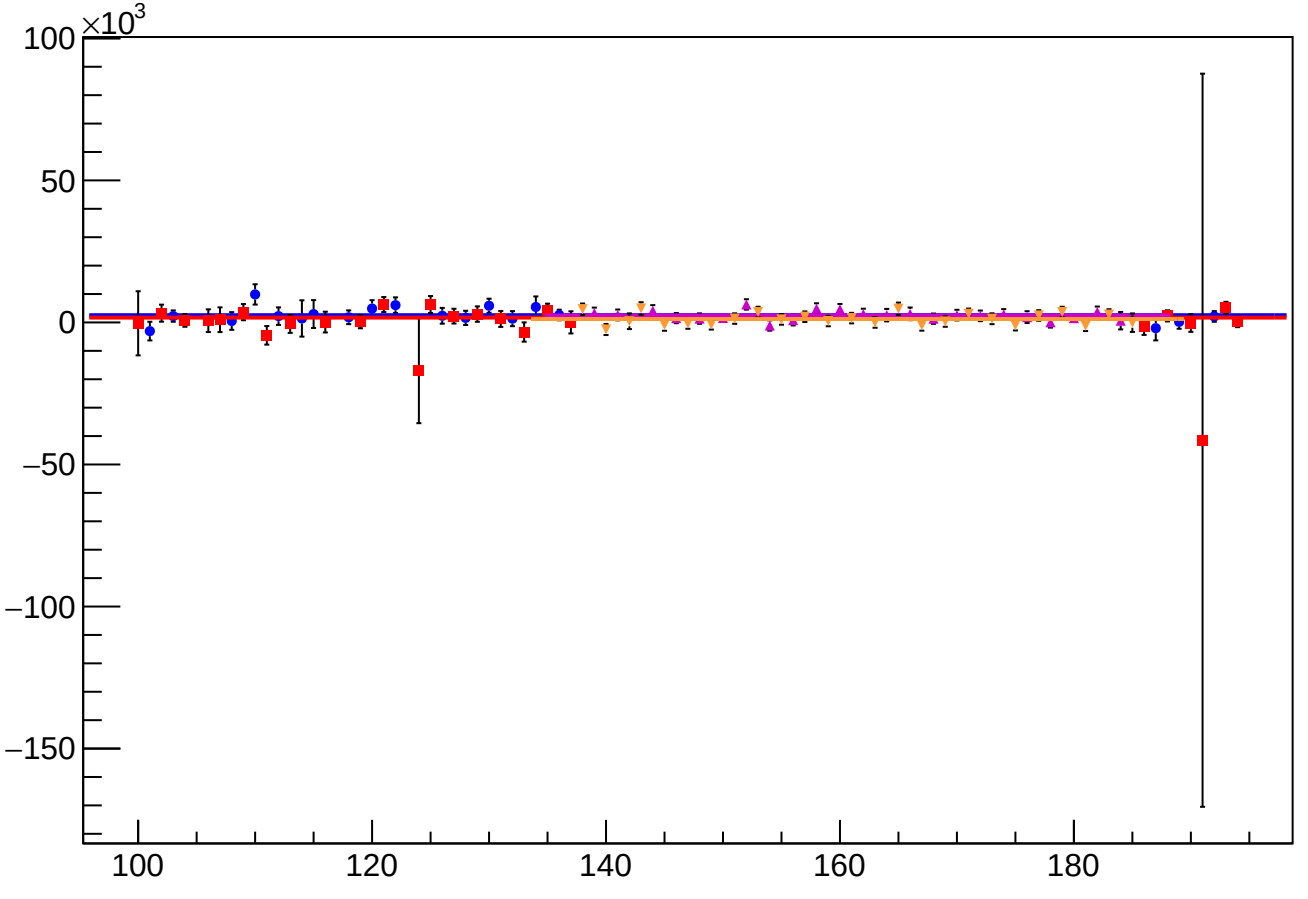
Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

Right: 0.000+/-0.000 χ^2/NDF: 13750014.7/43

In: 0.000+/-0.000 χ^2/NDF:9922255.8/41

Out: 0.000+/-0.000 χ^2/NDF:12469151.9/49

All: 0.000+/-0.000 χ^2/NDF: 22706651.1/91



Right In: 2544.217+/-622.862 χ^2/NDF: 14.8/18

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: 1711.362+/-579.544 χ^2/NDF: 20.7/24

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

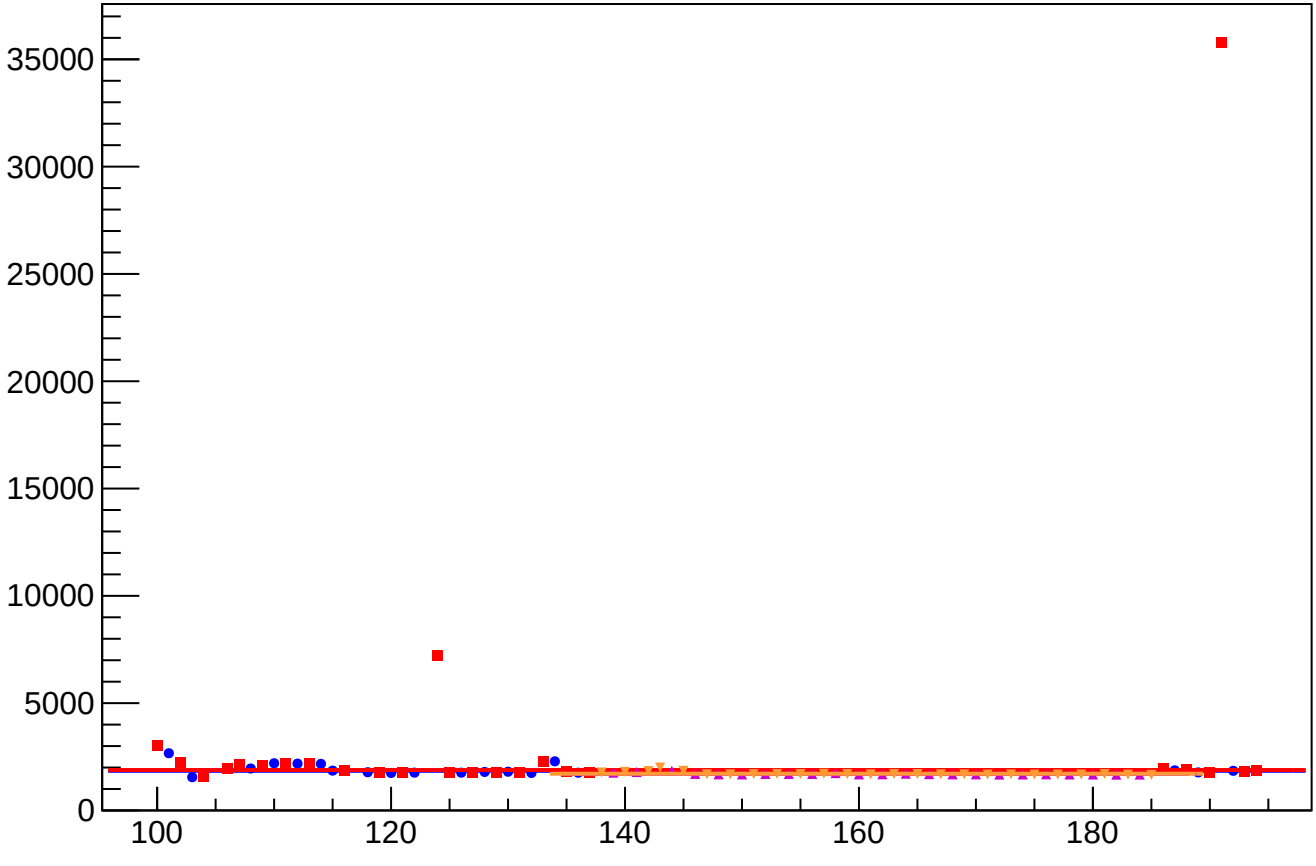
Right: 2097.824+/-424.288 χ^2/NDF: 36.5/43

In: 2469.507+/-335.360 χ^2/NDF:32.3/41

Out: 1360.560+/-323.066 χ^2/NDF:47.6/49

All: 1894.335+/-232.667 χ^2/NDF: 85.6/91

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1848.444+/-0.440 χ^2/NDF: 265448.6/18

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1883.341+/-0.409 χ^2/NDF: 516195.2/24

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

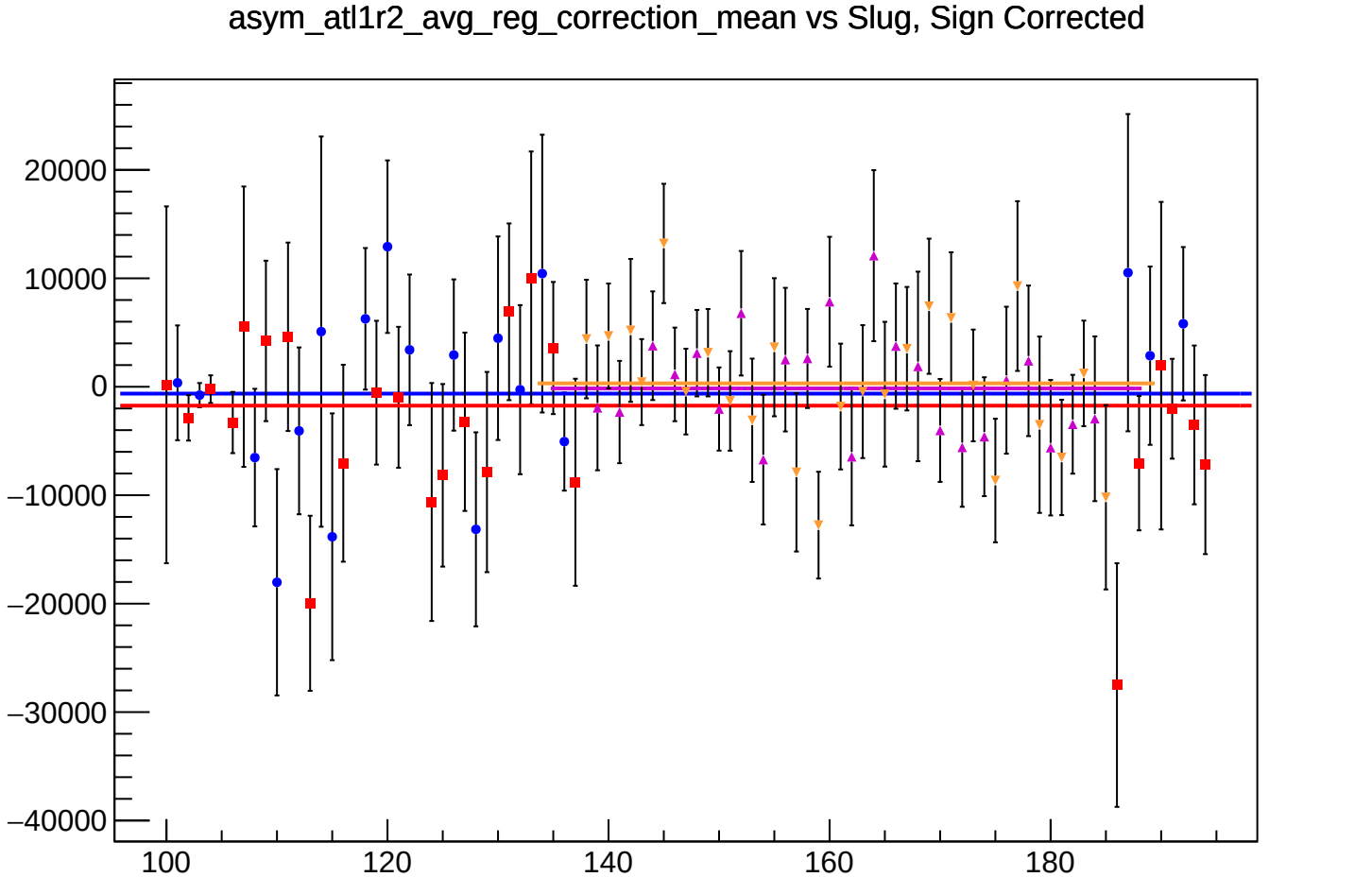
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1867.175+/-0.300 χ^2/NDF: 785013.6/43

In: 1745.851+/-0.237 χ^2/NDF:364427.6/41

Out: 1765.205+/-0.228 χ^2/NDF:697330.8/49

All: 1755.894+/-0.164 χ^2/NDF: 1065214.9/91



Right In: -632.285+/-945.775 χ^2/NDF: 15.5/18

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: -1741.057+/-873.417 χ^2/NDF: 20.7/24

Left In: -157.968+/-1128.443 χ^2/NDF:14.7/22

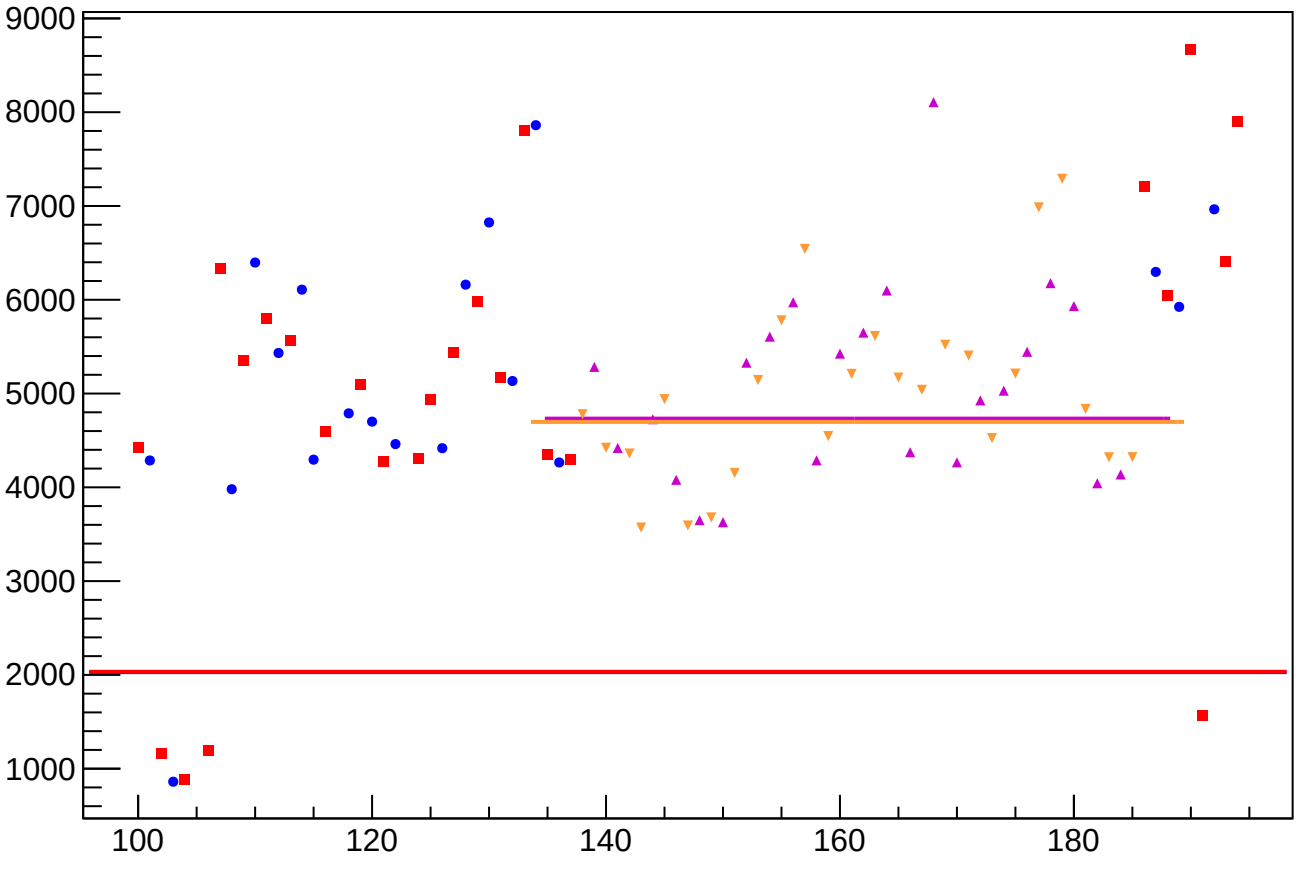
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

Right: -1230.702+/-641.656 χ^2/NDF: 37.0/43

In: -436.576+/-724.854 χ^2/NDF:30.3/41

Out: -939.247+/-682.074 χ^2/NDF:49.9/49

All: -703.182+/-496.735 χ^2/NDF: 80.5/91



Right In: 2029.779+/-0.669 χ^2/NDF: 8499676.7/18

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2032.911+/-0.618 χ^2/NDF: 10000049.3/24

Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

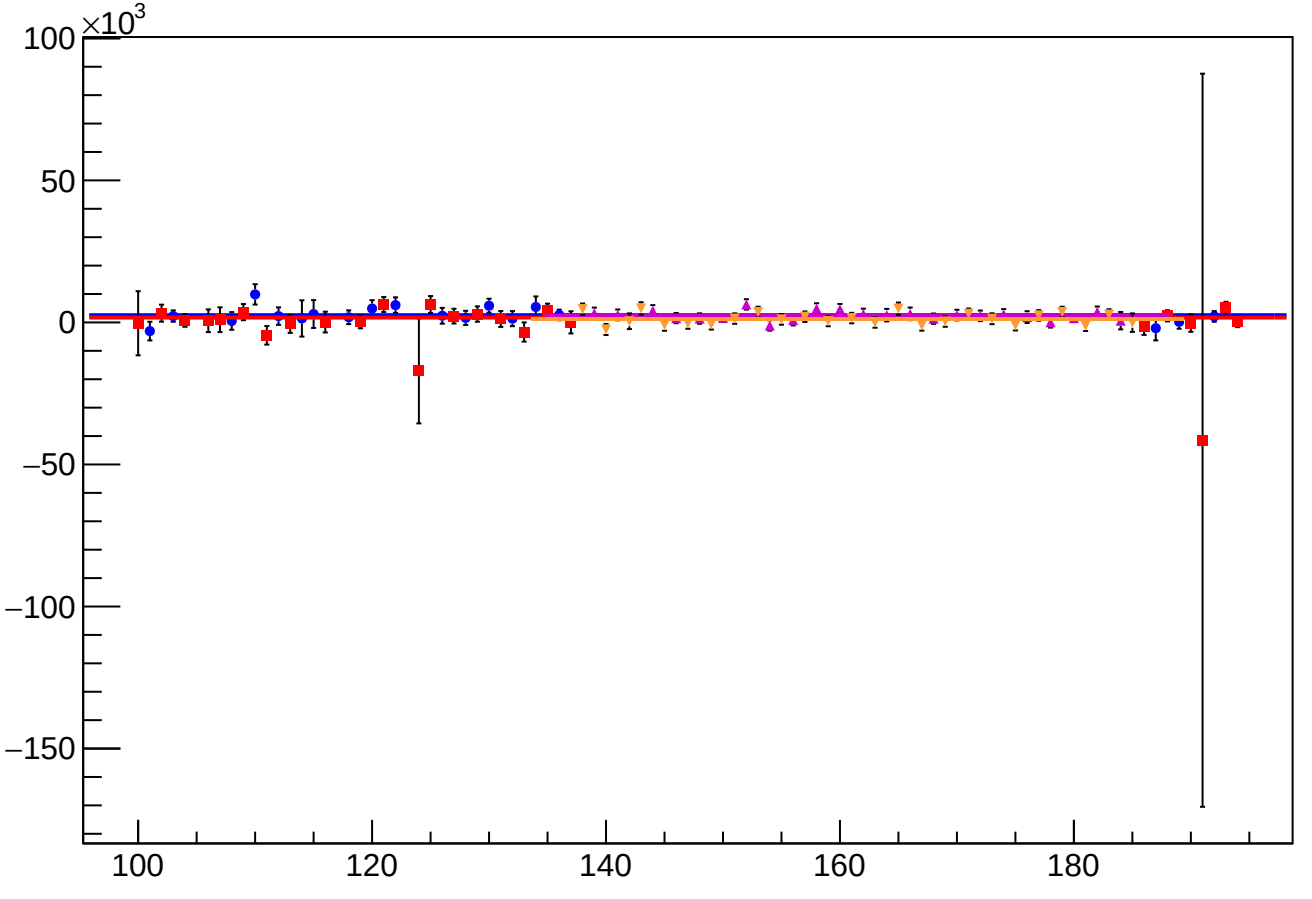
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 2031.469+/-0.454 χ^2/NDF: 18499737.9/43

In: 3144.921+/-0.513 χ^2/NDF:16481140.0/41

Out: 3072.560+/-0.482 χ^2/NDF:18502555.0/49

All: 3106.542+/-0.351 χ^2/NDF: 34994266.3/9



Right In: 2544.335+/-622.862 χ^2/NDF: 14.8/18

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1710.452+/-579.545 χ^2/NDF: 20.8/24

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

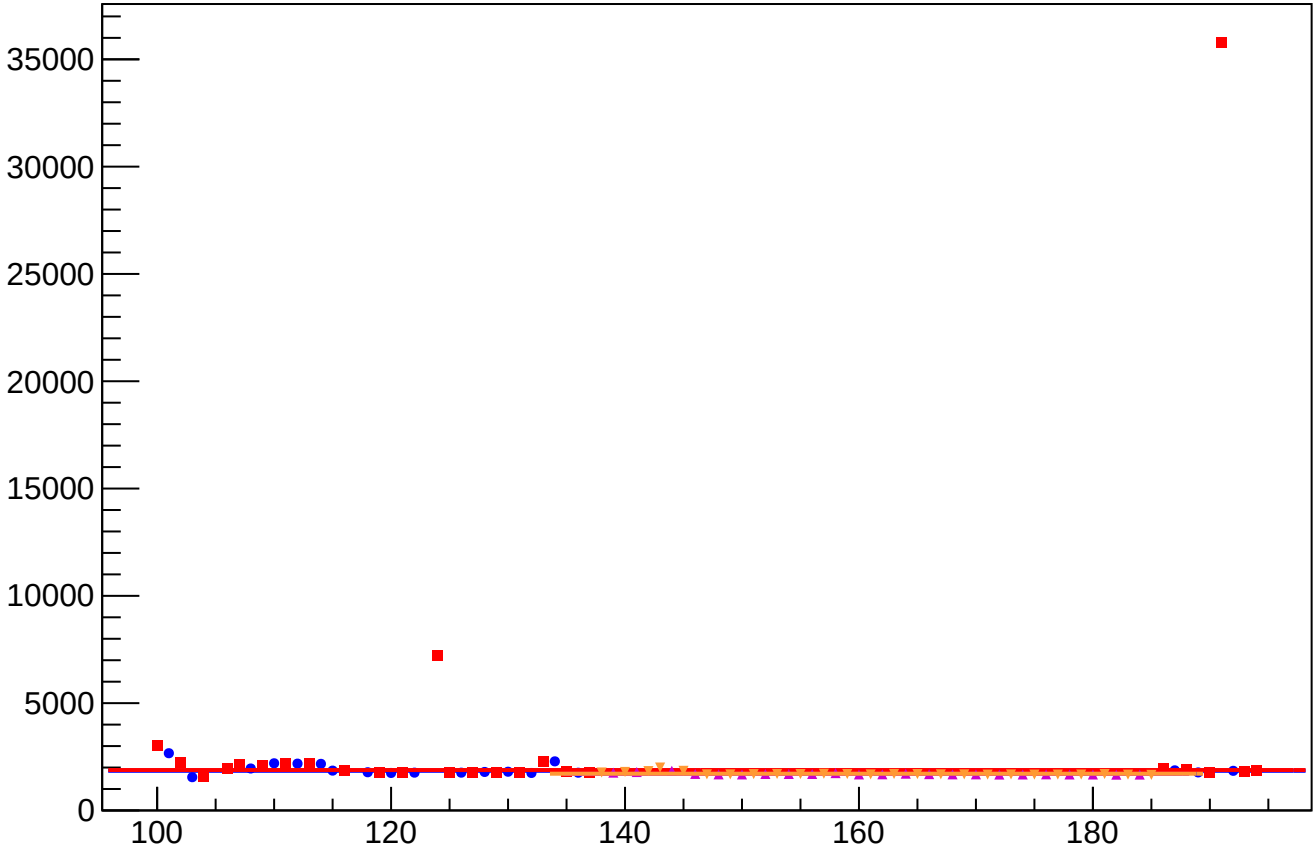
Right: 2097.391+/-424.288 χ^2/NDF: 36.5/43

In: 2469.493+/-335.360 χ^2/NDF:32.3/41

Out: 1360.210+/-323.066 χ^2/NDF:47.6/49

All: 1894.147+/-232.667 χ^2/NDF: 85.6/91

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1848.444+/-0.440 χ^2/NDF: 265448.4/18

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1883.647+/-0.409 χ^2/NDF: 516466.9/24

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

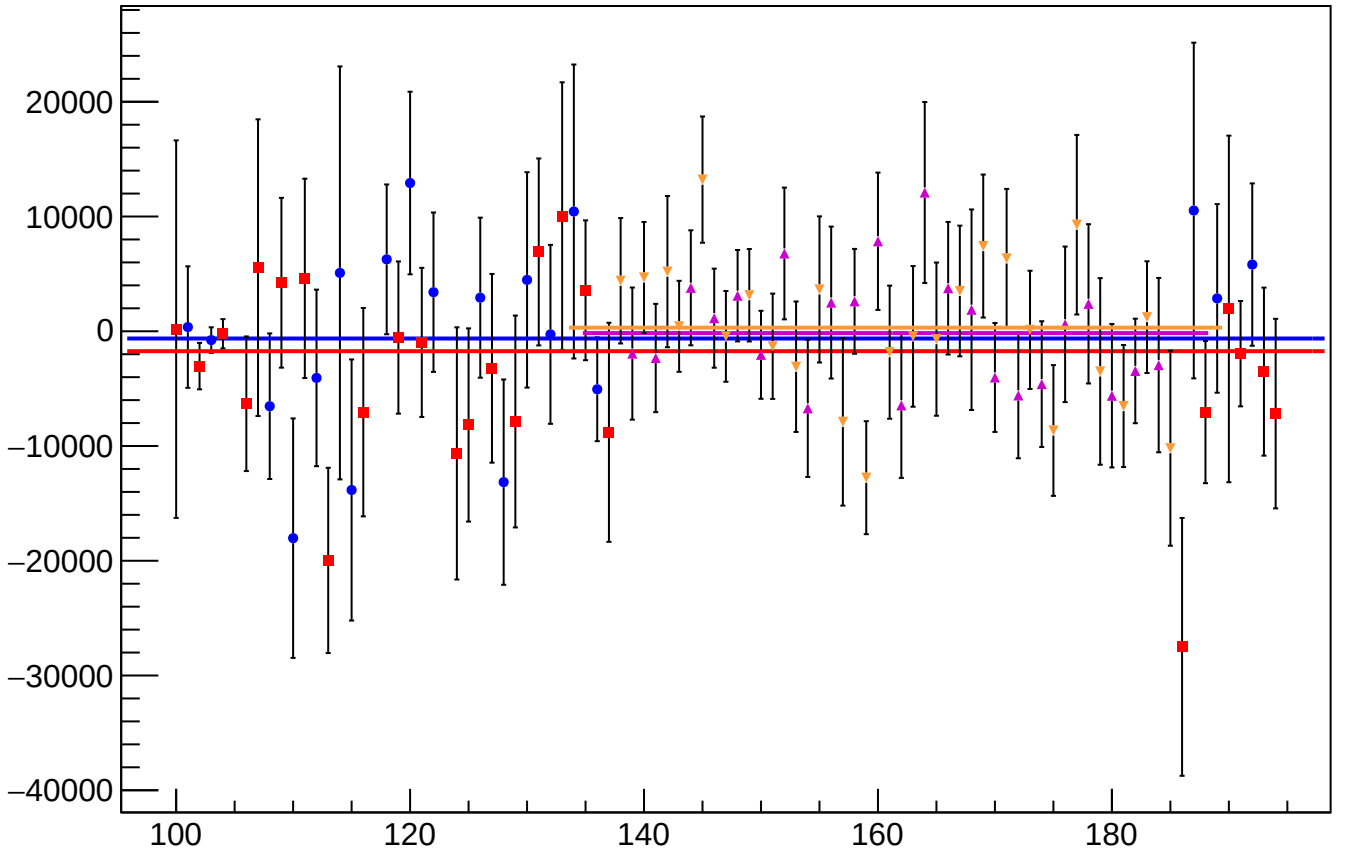
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1867.337+/-0.300 χ^2/NDF: 785344.1/43

In: 1745.851+/-0.237 χ^2/NDF:364427.5/41

Out: 1765.289+/-0.228 χ^2/NDF:698009.2/49

All: 1755.937+/-0.164 χ^2/NDF: 1065923.1/91



Right In: -631.844+/-945.724 χ^2/NDF: 15.5/18

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1735.547+/-901.148 χ^2/NDF: 21.2/24

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

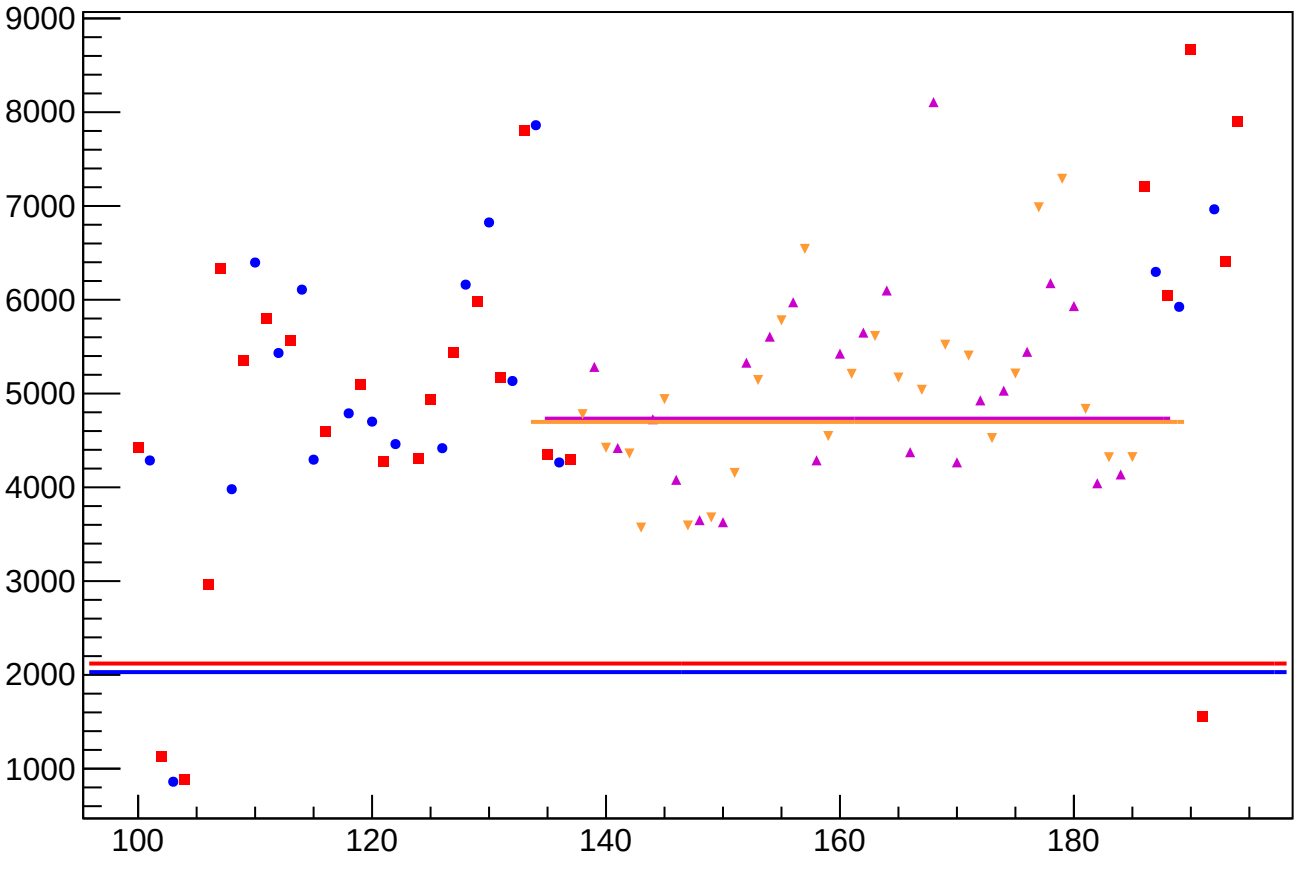
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -1210.319+/-652.397 χ^2/NDF: 37.4/43

In: -436.333+/-724.831 χ^2/NDF:30.3/41

Out: -905.187+/-695.037 χ^2/NDF:50.3/49

All: -680.594+/-501.668 χ^2/NDF: 80.8/91



Right In: 2029.613+/-0.669 χ^2/NDF: 8500212.0/18

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2120.996+/-0.637 χ^2/NDF: 9913466.0/24

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

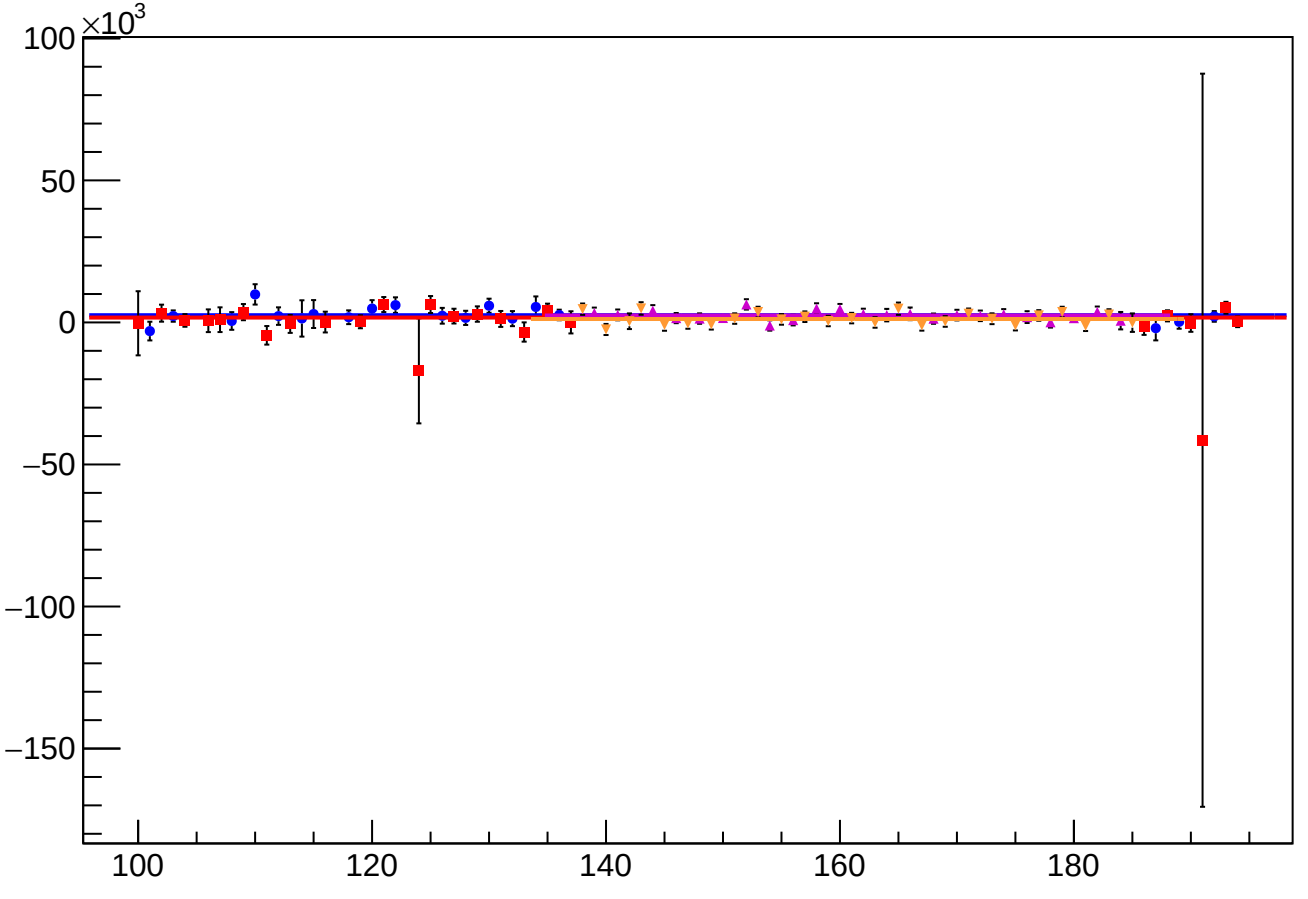
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2077.509+/-0.461 χ^2/NDF: 18423465.3/43

In: 3144.753+/-0.513 χ^2/NDF:16482800.6/41

Out: 3164.854+/-0.491 χ^2/NDF:17777009.6/49

All: 3155.225+/-0.355 χ^2/NDF: 34260611.5/9



Right In: 2544.335+/-622.862 χ^2/NDF: 14.8/18

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1710.452+/-579.545 χ^2/NDF: 20.8/24

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

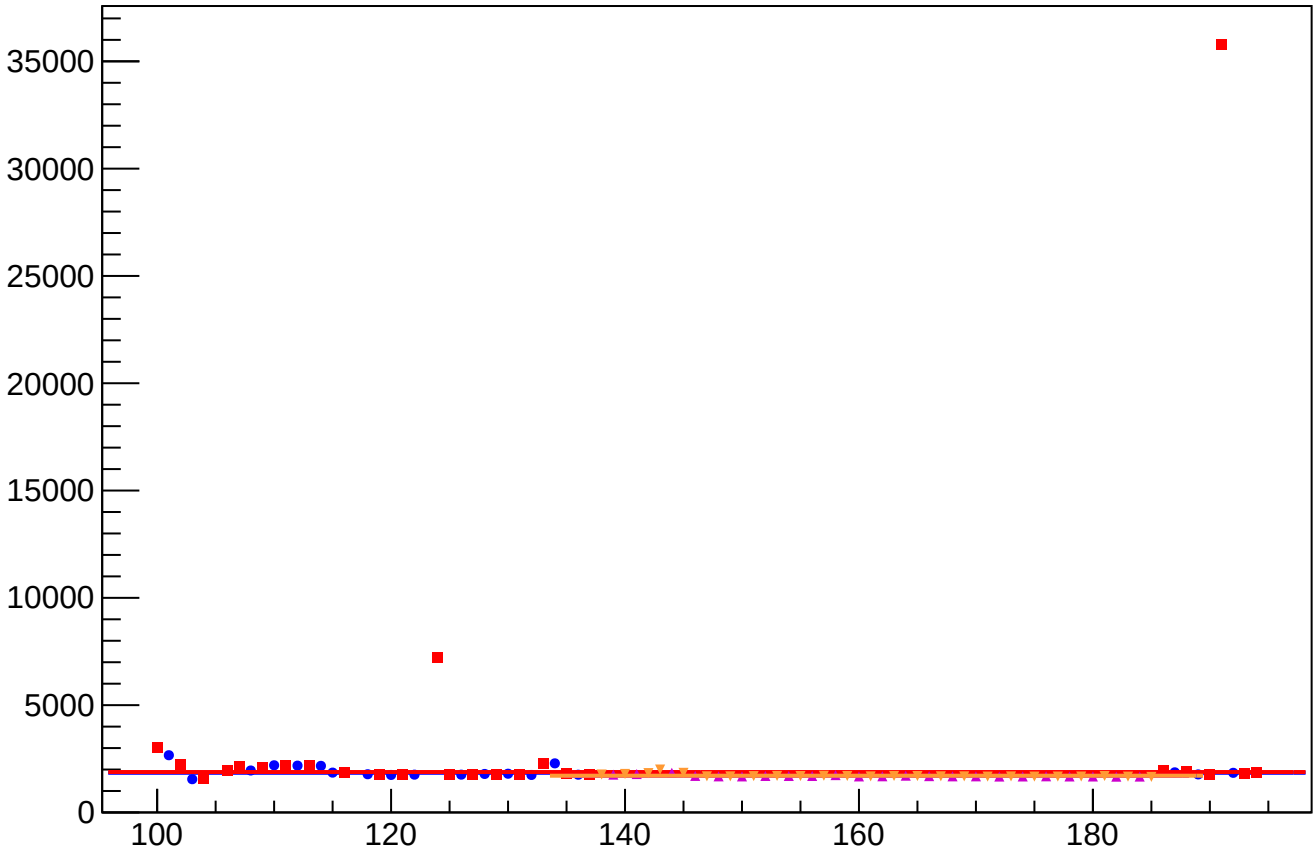
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 2097.391+/-424.288 χ^2/NDF: 36.5/43

In: 2469.493+/-335.360 χ^2/NDF:32.3/41

Out: 1360.210+/-323.066 χ^2/NDF:47.6/49

All: 1894.147+/-232.667 χ^2/NDF: 85.6/91



Right In: 1848.444+/-0.440 χ^2/NDF: 265448.4/18

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1883.647+/-0.409 χ^2/NDF: 516466.9/24

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

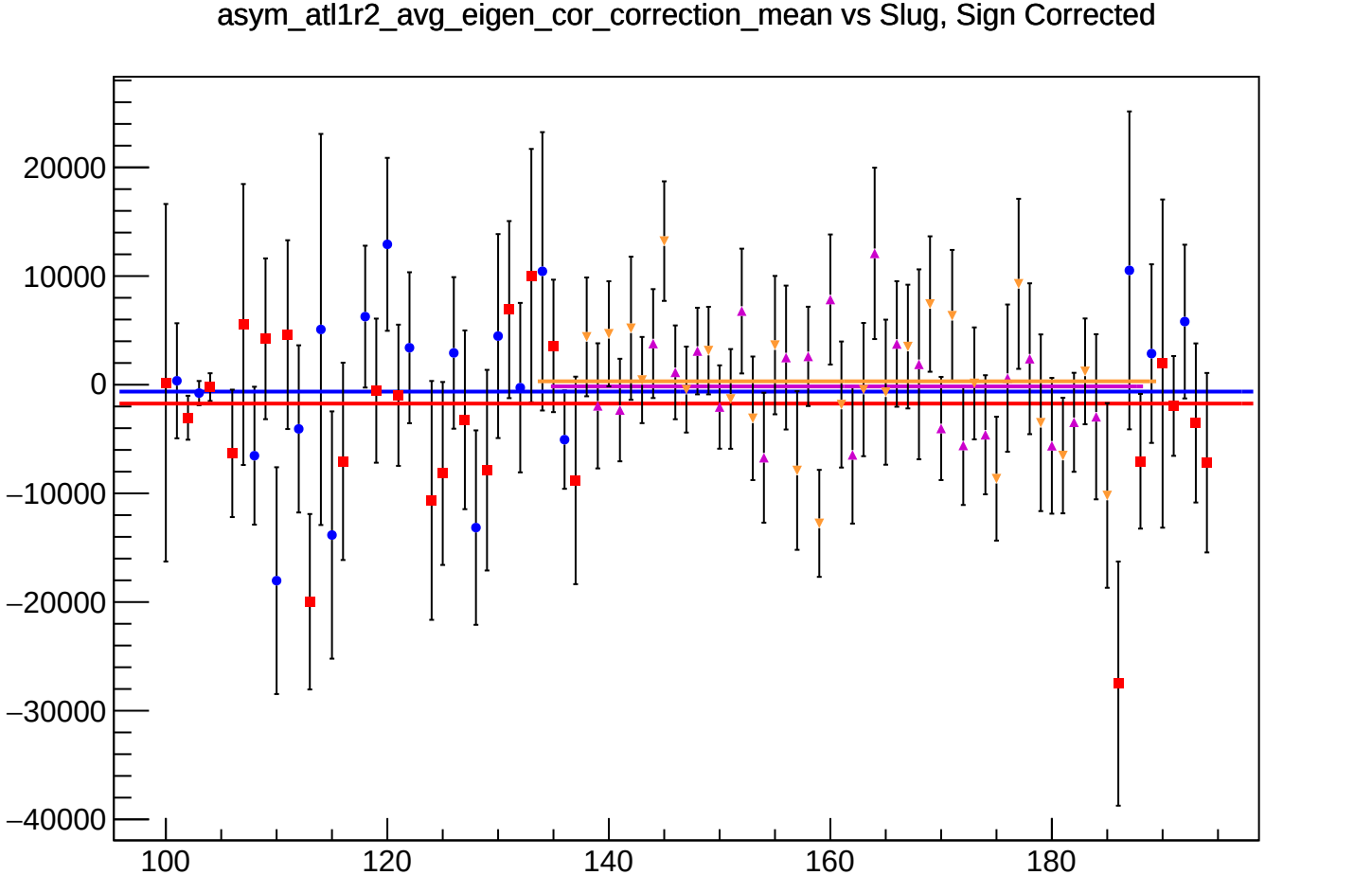
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1867.337+/-0.300 χ^2/NDF: 785344.1/43

In: 1745.851+/-0.237 χ^2/NDF:364427.5/41

Out: 1765.289+/-0.228 χ^2/NDF:698009.2/49

All: 1755.937+/-0.164 χ^2/NDF: 1065923.1/91



Right In: -631.844+/-945.724 χ^2/NDF: 15.5/18

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1735.547+/-901.148 χ^2/NDF: 21.2/24

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

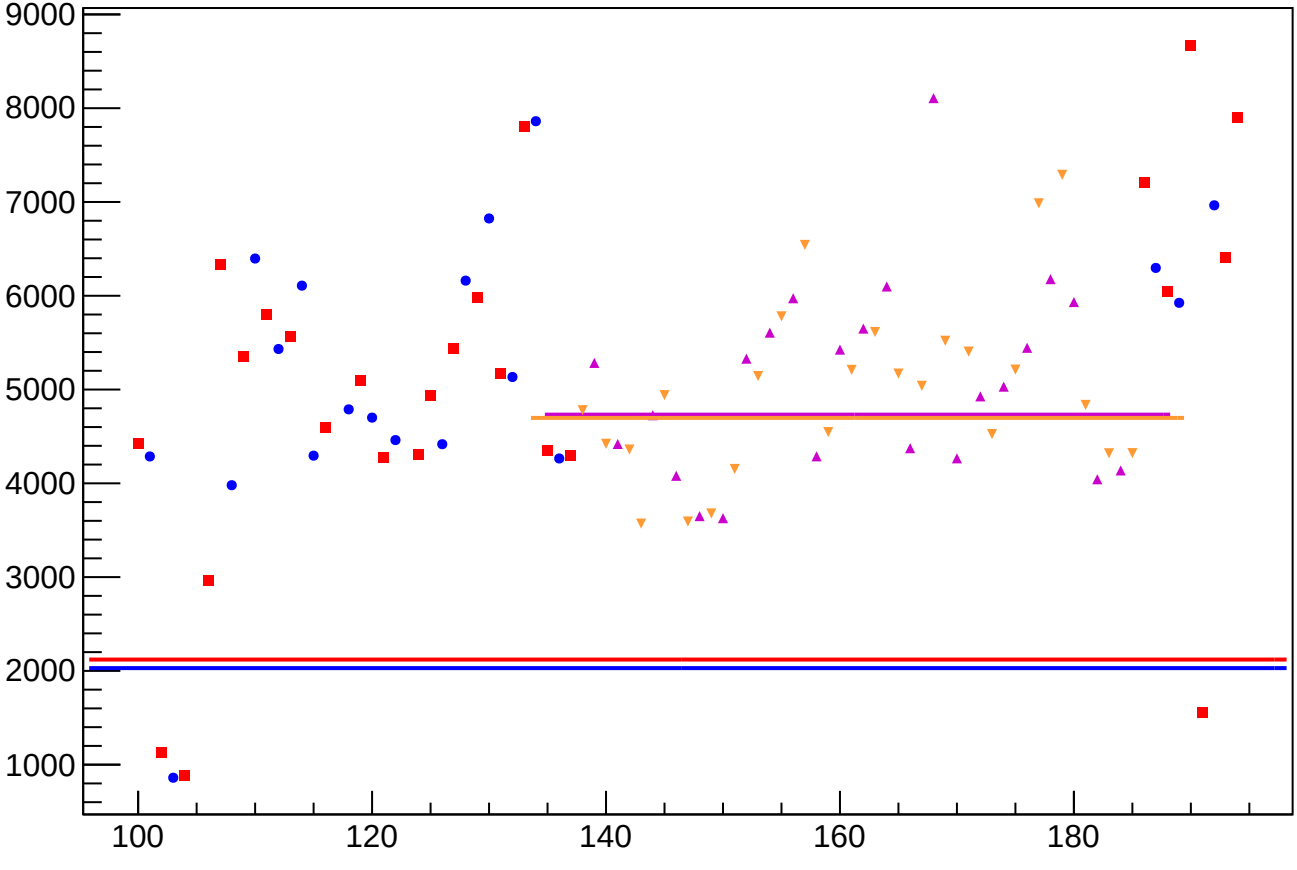
Right: -1210.319+/-652.397 χ^2/NDF: 37.4/43

In: -436.333+/-724.831 χ^2/NDF:30.3/41

Out: -905.187+/-695.037 χ^2/NDF:50.3/49

All: -680.594+/-501.668 χ^2/NDF: 80.8/91

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2029.613+/-0.669 χ^2/NDF: 8500212.0/18

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2120.996+/-0.637 χ^2/NDF: 9913466.0/24

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

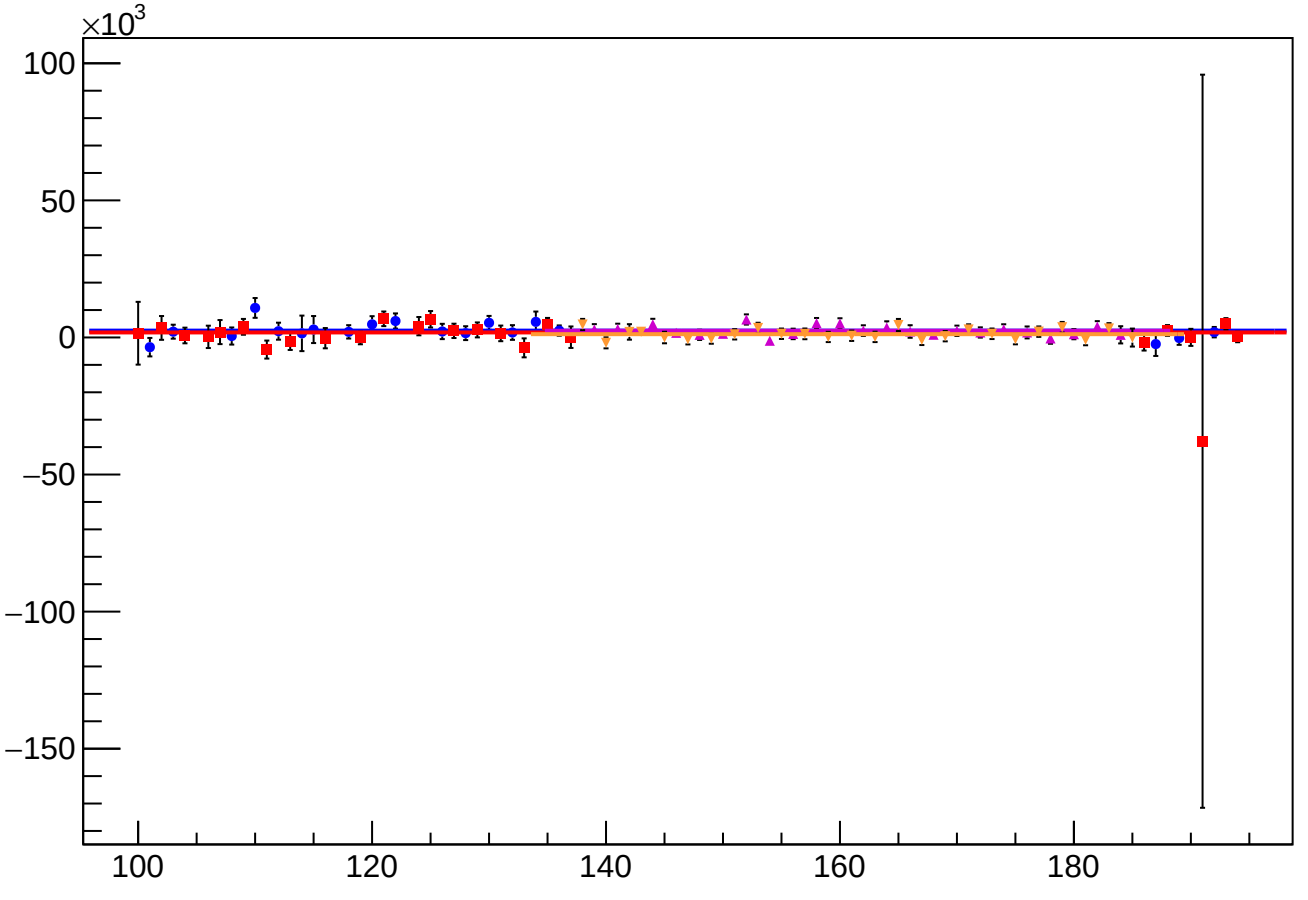
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2077.509+/-0.461 χ^2/NDF: 18423465.3/43

In: 3144.753+/-0.513 χ^2/NDF:16482800.6/41

Out: 3164.854+/-0.491 χ^2/NDF:17777009.6/49

All: 3155.225+/-0.355 χ^2/NDF: 34260611.5/9



Right In: 2489.619+/-641.386 χ^2/NDF: 15.9/18

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: 1831.830+/-589.205 χ^2/NDF: 22.2/24

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

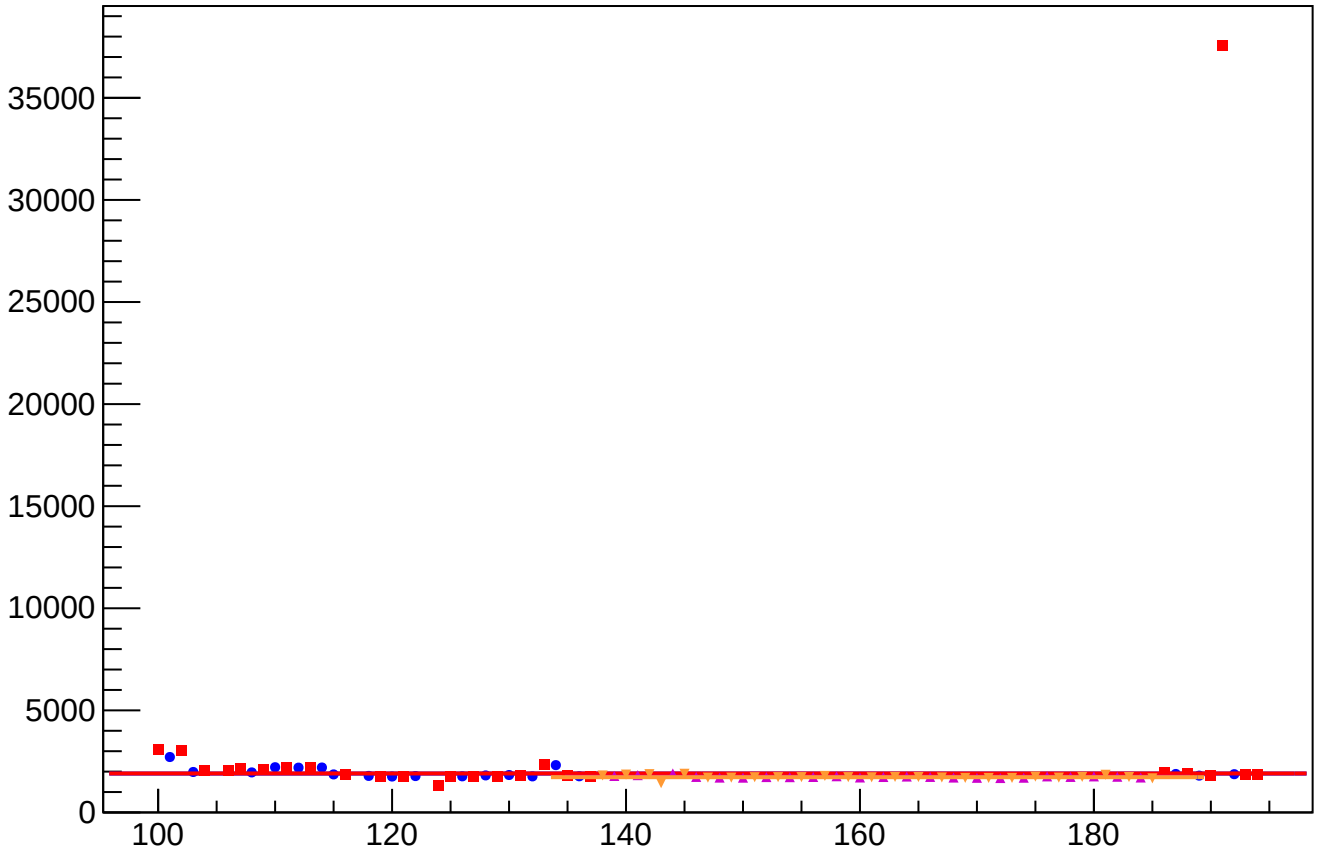
Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

Right: 2132.882+/-433.907 χ^2/NDF: 38.7/43

In: 2452.891+/-343.982 χ^2/NDF:36.5/41

Out: 1392.705+/-326.935 χ^2/NDF:42.5/49

All: 1895.877+/-236.975 χ^2/NDF: 84.0/91



Right In: 1904.862+/-0.454 χ^2/NDF: 220234.3/18

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1910.218+/-0.416 χ^2/NDF: 497901.1/24

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

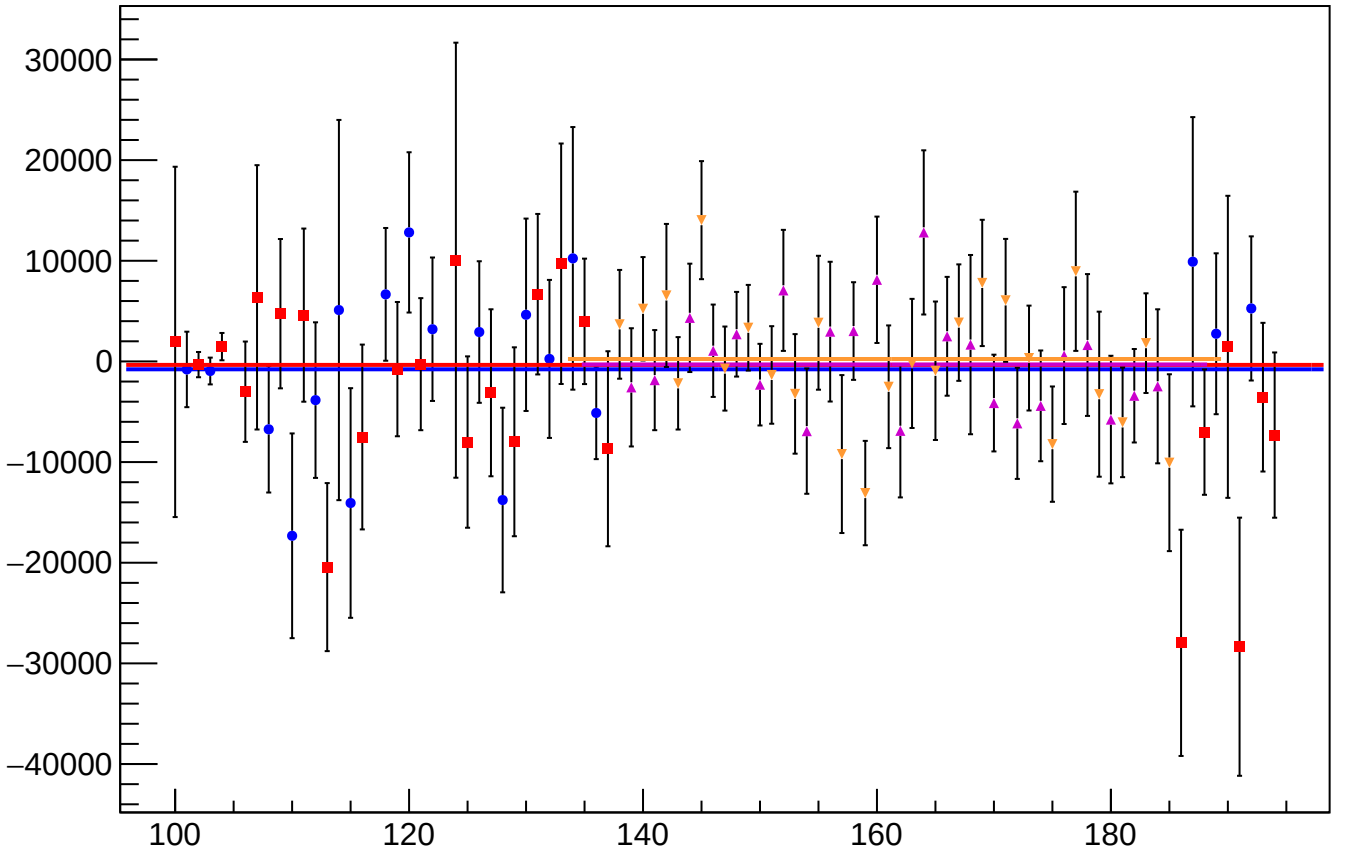
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1907.768+/-0.307 χ^2/NDF: 718211.0/43

In: 1790.719+/-0.243 χ^2/NDF:335948.8/41

Out: 1783.615+/-0.231 χ^2/NDF:741777.5/49

All: 1786.986+/-0.168 χ^2/NDF: 1078174.5/91



Right In: -783.165+/-1048.562 χ^2/NDF: 15.4/18

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: -345.873+/-813.953 χ^2/NDF: 27.0/24

Left In: -306.106+/-1171.019 χ^2/NDF:14.5/22

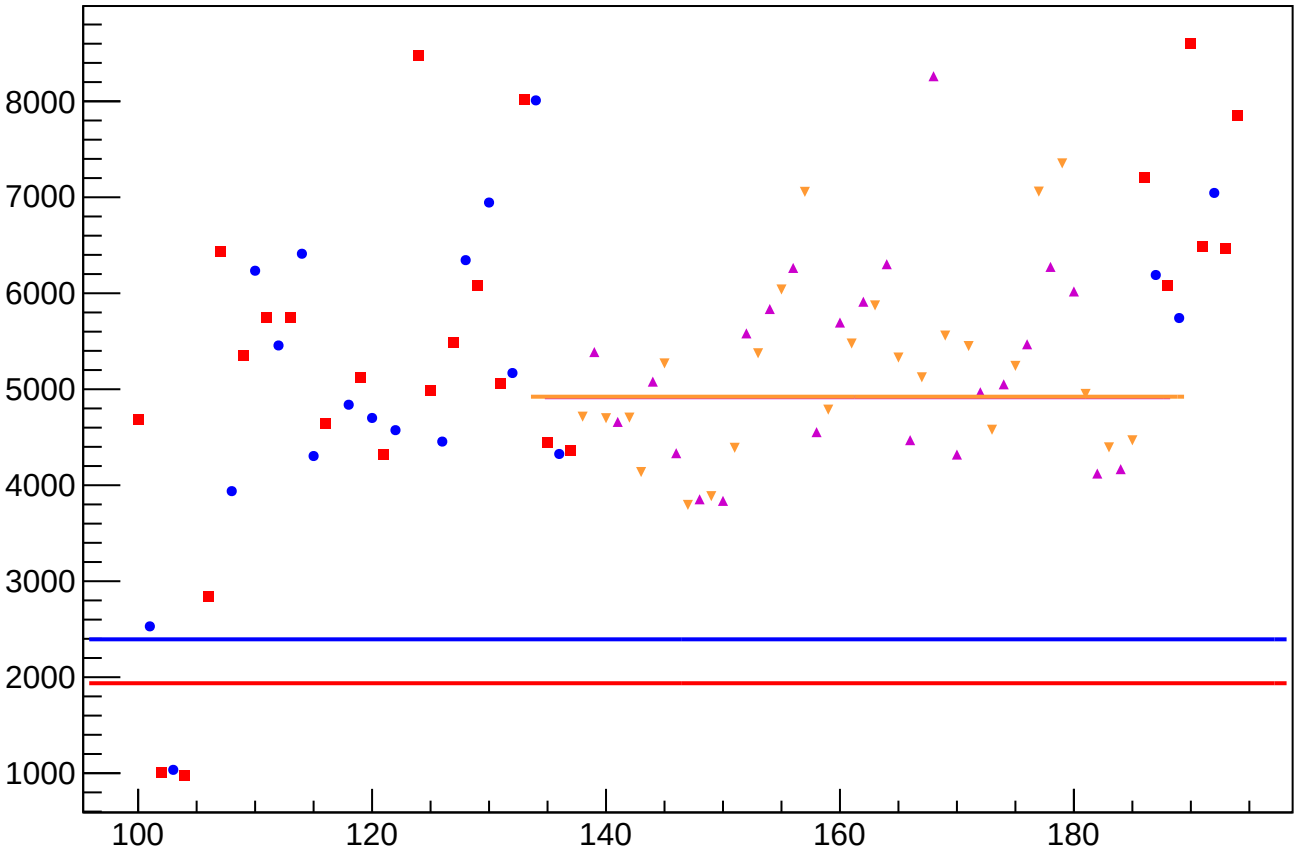
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -510.296+/-642.969 χ^2/NDF: 42.4/43

In: -570.875+/-781.164 χ^2/NDF:29.9/41

Out: -147.890+/-662.620 χ^2/NDF:53.8/49

All: -324.885+/-505.313 χ^2/NDF: 84.0/91



Right In: 2394.605+/-0.741 χ^2/NDF: 6892842.1/18

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 1937.146+/-0.576 χ^2/NDF: 10813099.0/24

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

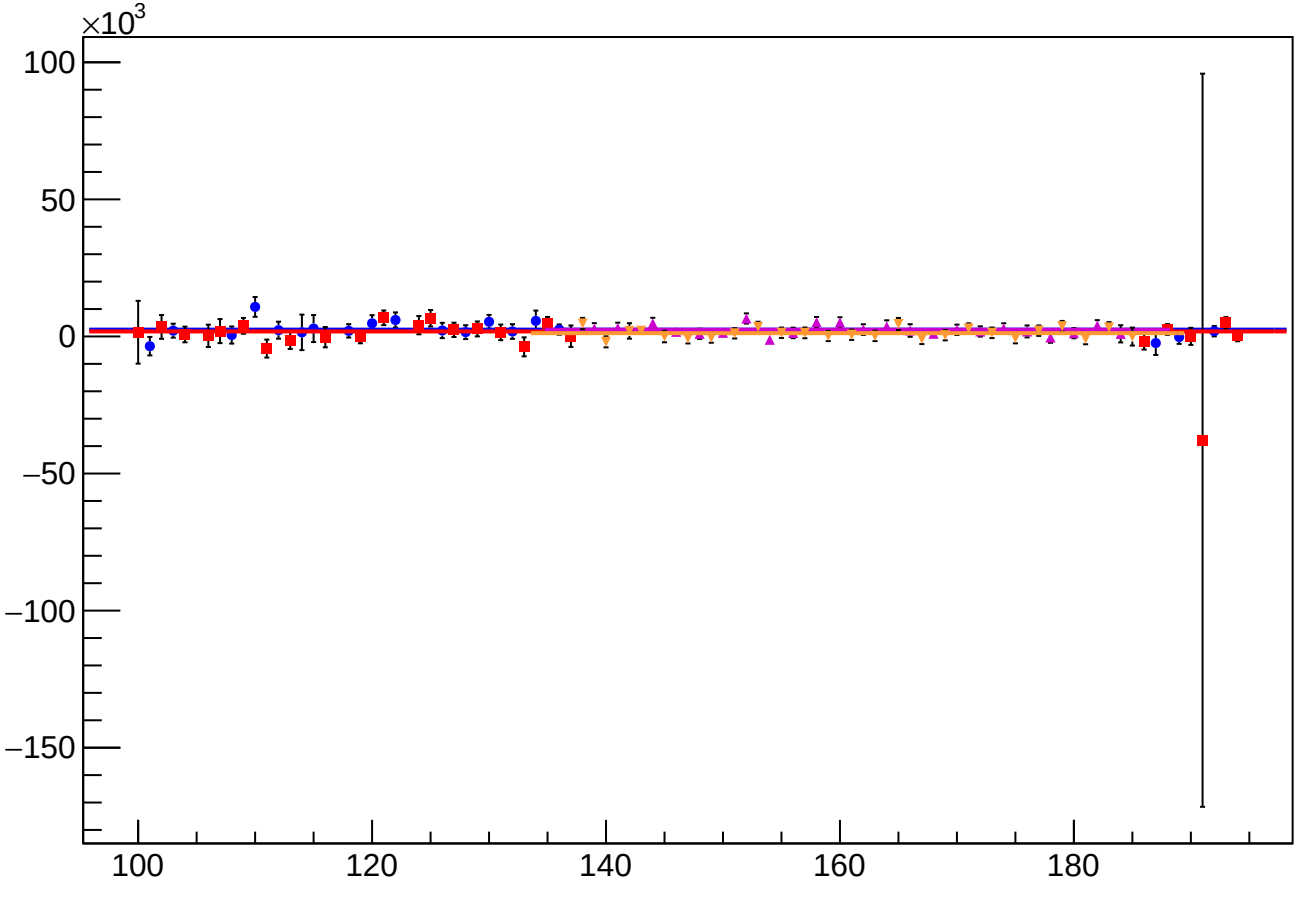
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 2109.152+/-0.455 χ^2/NDF: 17943476.4/43

In: 3517.046+/-0.552 χ^2/NDF:13204538.1/41

Out: 2944.000+/-0.469 χ^2/NDF:20937045.5/49

All: 3183.788+/-0.357 χ^2/NDF: 34767499.7/9



Right In: 2489.621+/-641.386 χ^2/NDF: 15.9/18

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: 1831.833+/-589.205 χ^2/NDF: 22.2/24

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

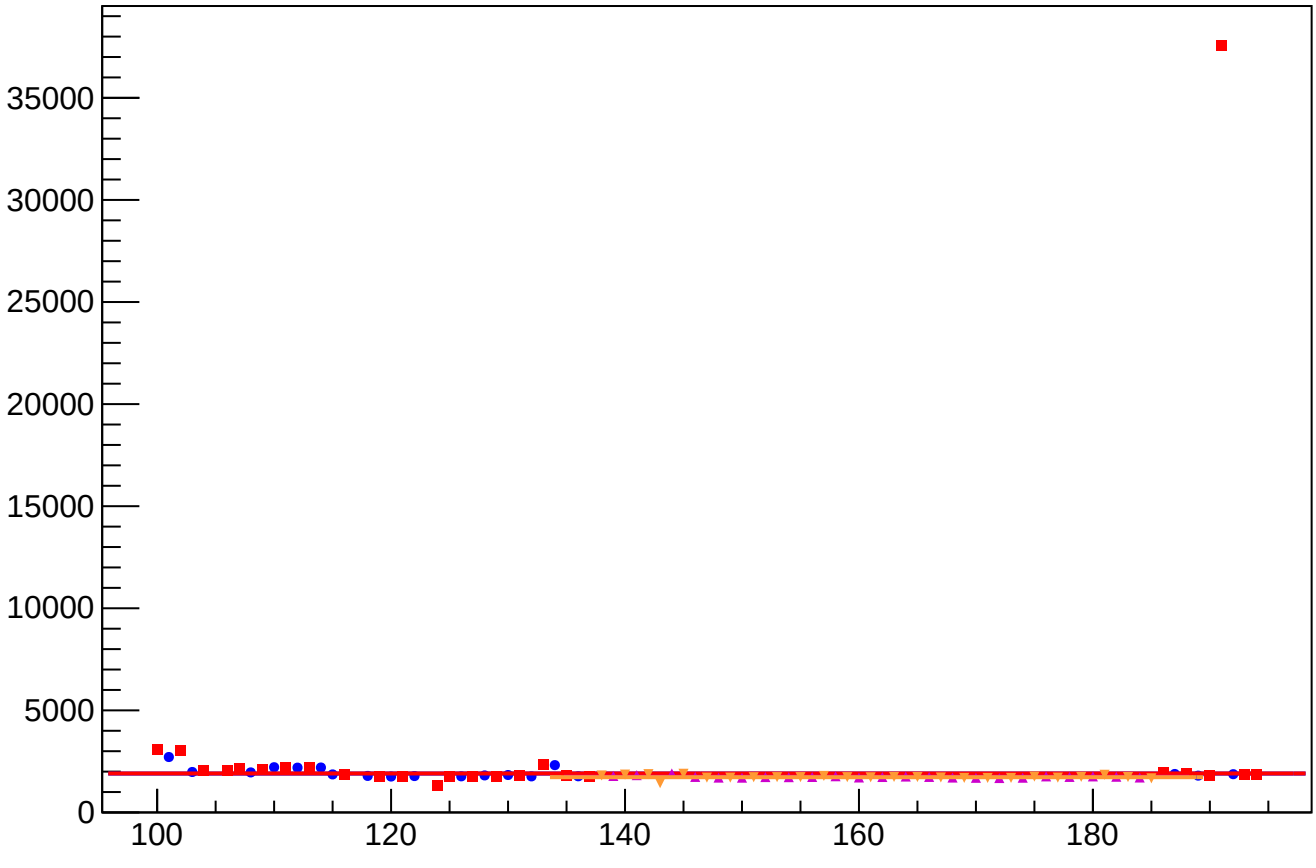
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 2132.885+/-433.907 χ^2/NDF: 38.7/43

In: 2452.892+/-343.982 χ^2/NDF:36.5/41

Out: 1392.702+/-326.935 χ^2/NDF:42.5/49

All: 1895.876+/-236.975 χ^2/NDF: 84.0/91



Right In: 1904.861+/-0.454 χ^2/NDF: 220234.5/18

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1910.217+/-0.416 χ^2/NDF: 497900.0/24

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

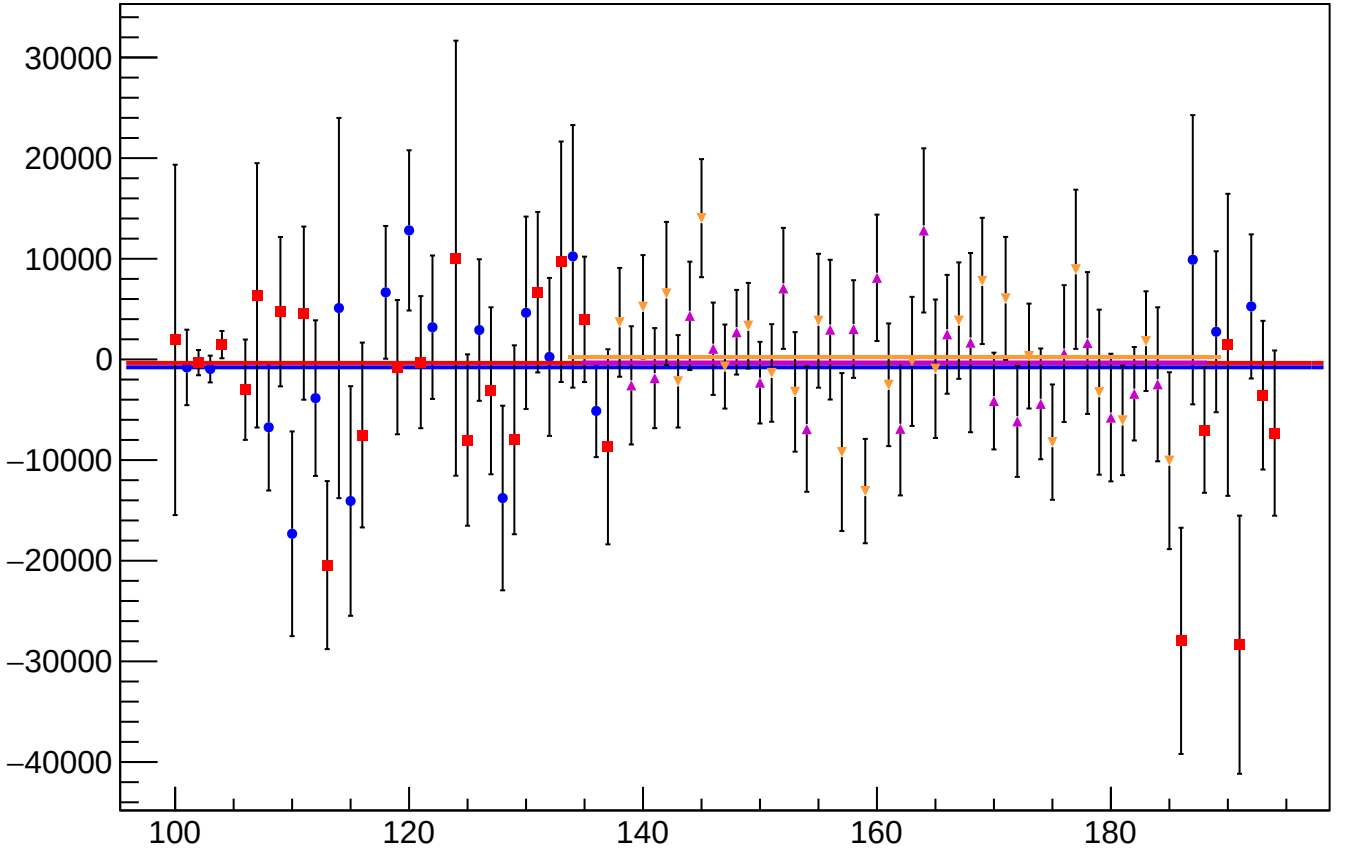
Right: 1907.767+/-0.307 χ^2/NDF: 718210.1/43

In: 1790.720+/-0.243 χ^2/NDF:335947.3/41

Out: 1783.616+/-0.231 χ^2/NDF:741773.8/49

All: 1786.987+/-0.168 χ^2/NDF: 1078169.3/91

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -783.162+/-1048.562 χ^2/NDF: 15.4/18

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: -345.878+/-813.952 χ^2/NDF: 27.0/24

Left In: -306.109+/-1171.021 χ^2/NDF:14.5/22

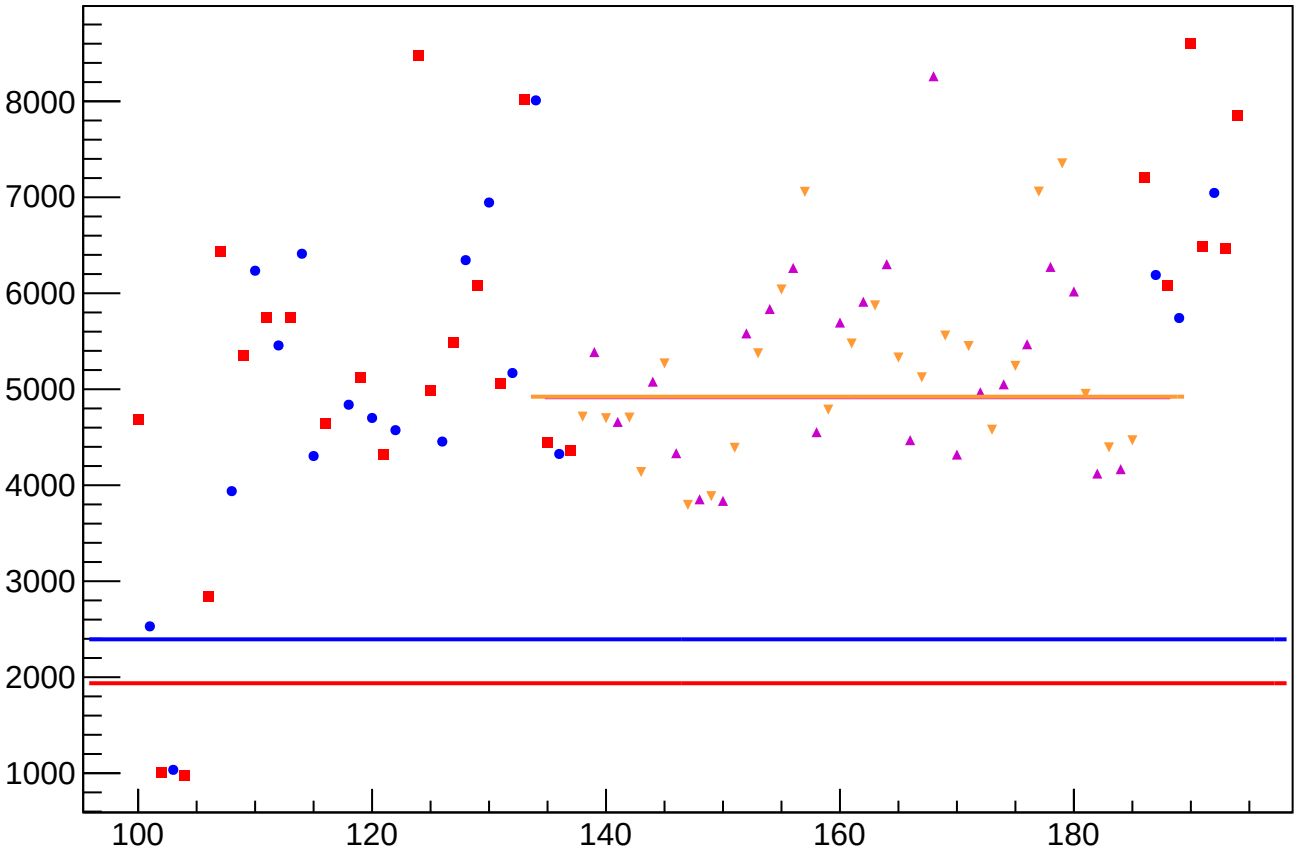
Left: -25.377+/-817.202 χ^2/NDF: 41.3/47

Right: -510.298+/-642.969 χ^2/NDF: 42.4/43

In: -570.876+/-781.164 χ^2/NDF:29.9/41

Out: -147.894+/-662.620 χ^2/NDF:53.8/49

All: -324.888+/-505.313 χ^2/NDF: 84.0/91



Right In: 2394.604+/-0.741 χ^2/NDF: 6892836.6/18

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 1937.146+/-0.576 χ^2/NDF: 10813091.7/24

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

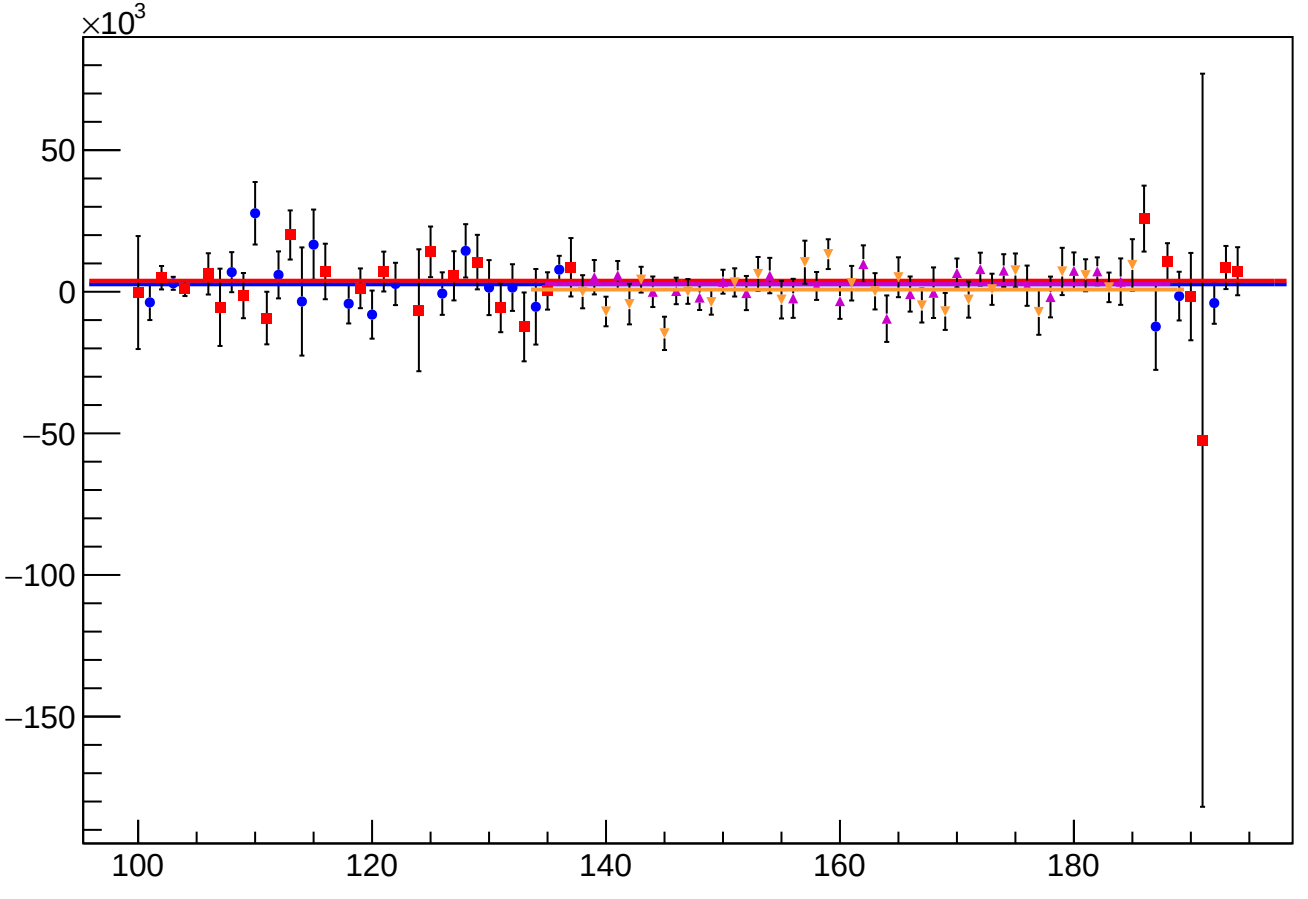
Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

Right: 2109.152+/-0.455 χ^2/NDF: 17943463.4/43

In: 3517.046+/-0.552 χ^2/NDF:13204565.5/41

Out: 2944.000+/-0.469 χ^2/NDF:20937075.7/49

All: 3183.787+/-0.357 χ^2/NDF: 34767558.2/9



Right In: 2637.510+/-1476.784 χ^2/NDF: 16.0/18

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: 3896.334+/-1441.255 χ^2/NDF: 19.3/24

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

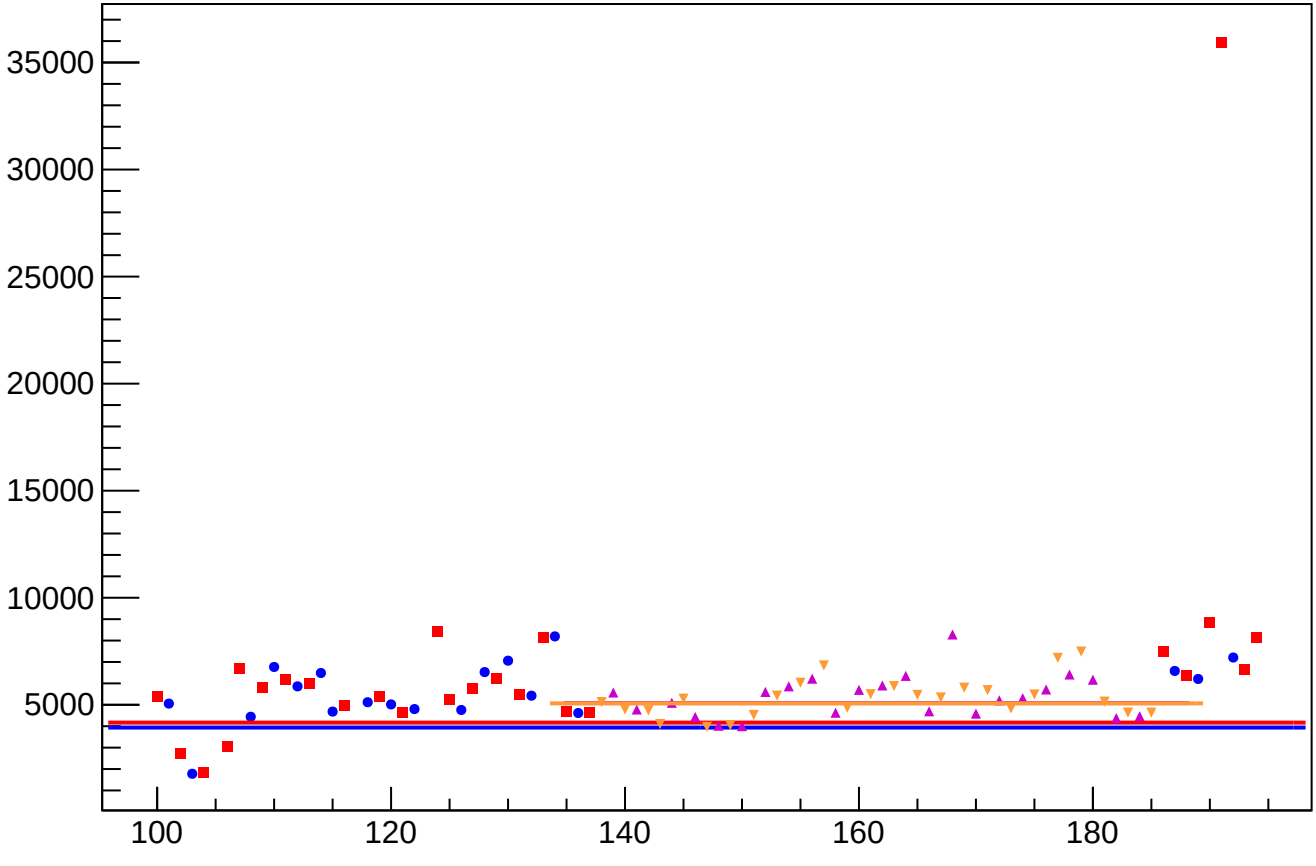
Right: 3282.246+/-1031.453 χ^2/NDF: 35.6/43

In: 2678.310+/-934.229 χ^2/NDF:27.9/41

Out: 2025.199+/-909.286 χ^2/NDF:49.7/49

All: 2342.920+/-651.602 χ^2/NDF: 77.8/91

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3937.031+/-1.044 χ^2/NDF: 3534672.1/18

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4168.297+/-1.010 χ^2/NDF: 4215810.8/24

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

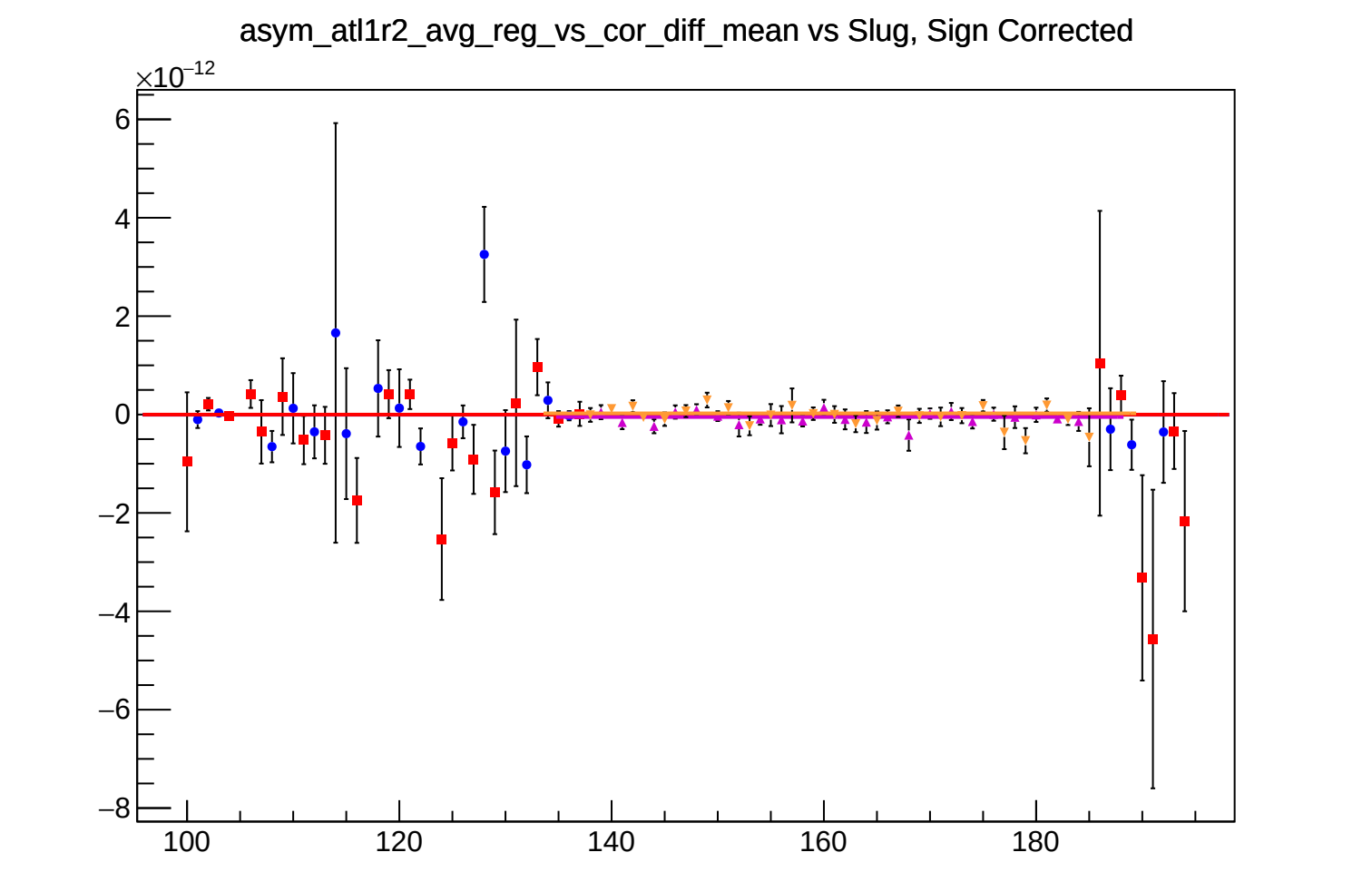
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

Right: 4056.480+/-0.726 χ^2/NDF: 7775816.2/43

In: 4622.417+/-0.661 χ^2/NDF:5254134.1/41

Out: 4706.084+/-0.641 χ^2/NDF:5644018.2/49

All: 4665.528+/-0.460 χ^2/NDF: 10906417.7/9



Right In: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.7/24

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

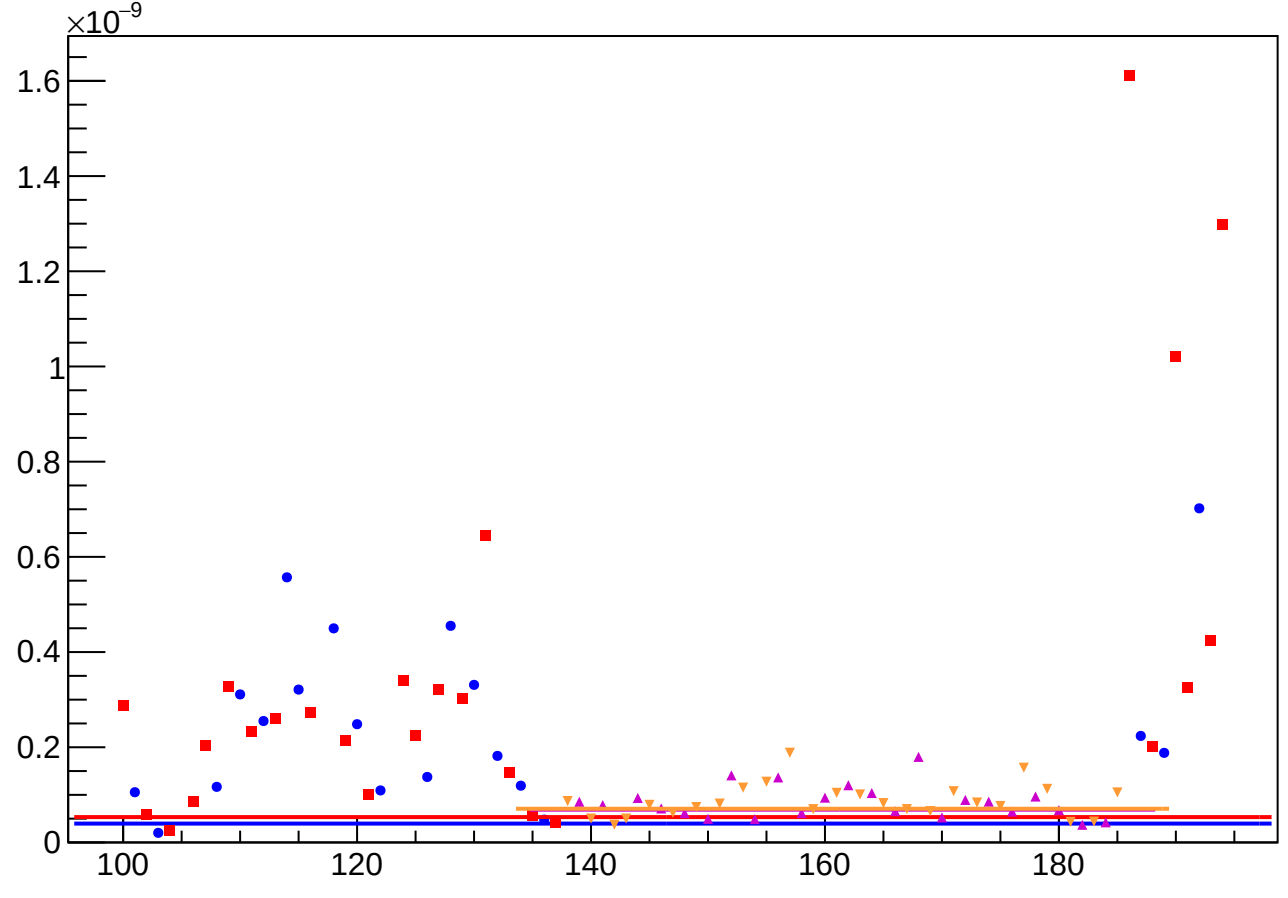
Left: -0.000+/-0.000 χ^2/NDF: 37.9/47

Right: -0.000+/-0.000 χ^2/NDF: 62.8/43

In: -0.000+/-0.000 χ^2/NDF:39.1/41

Out: 0.000+/-0.000 χ^2/NDF:59.6/49

All: -0.000+/-0.000 χ^2/NDF: 100.8/91



Right In: 0.000+/-0.000 χ^2/NDF: 4236091.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5542894.7/24

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

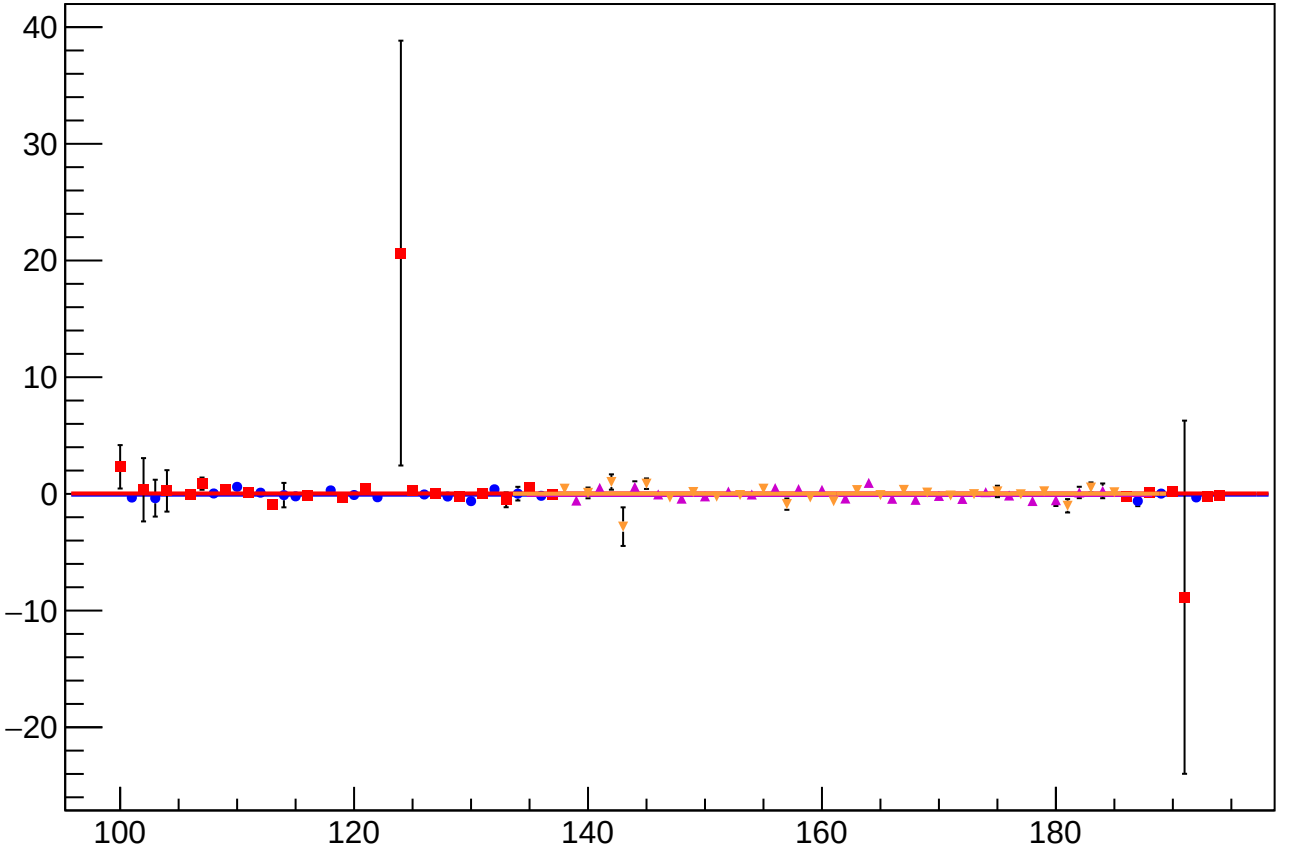
Right: 0.000+/-0.000 χ^2/NDF: 9892164.5/43

In: 0.000+/-0.000 χ^2/NDF:6455003.8/41

Out: 0.000+/-0.000 χ^2/NDF:7251736.3/49

All: 0.000+/-0.000 χ^2/NDF: 13833746.3/91

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.072 χ^2/NDF: 14.1/18

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.038+/-0.057 χ^2/NDF: 26.9/24

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

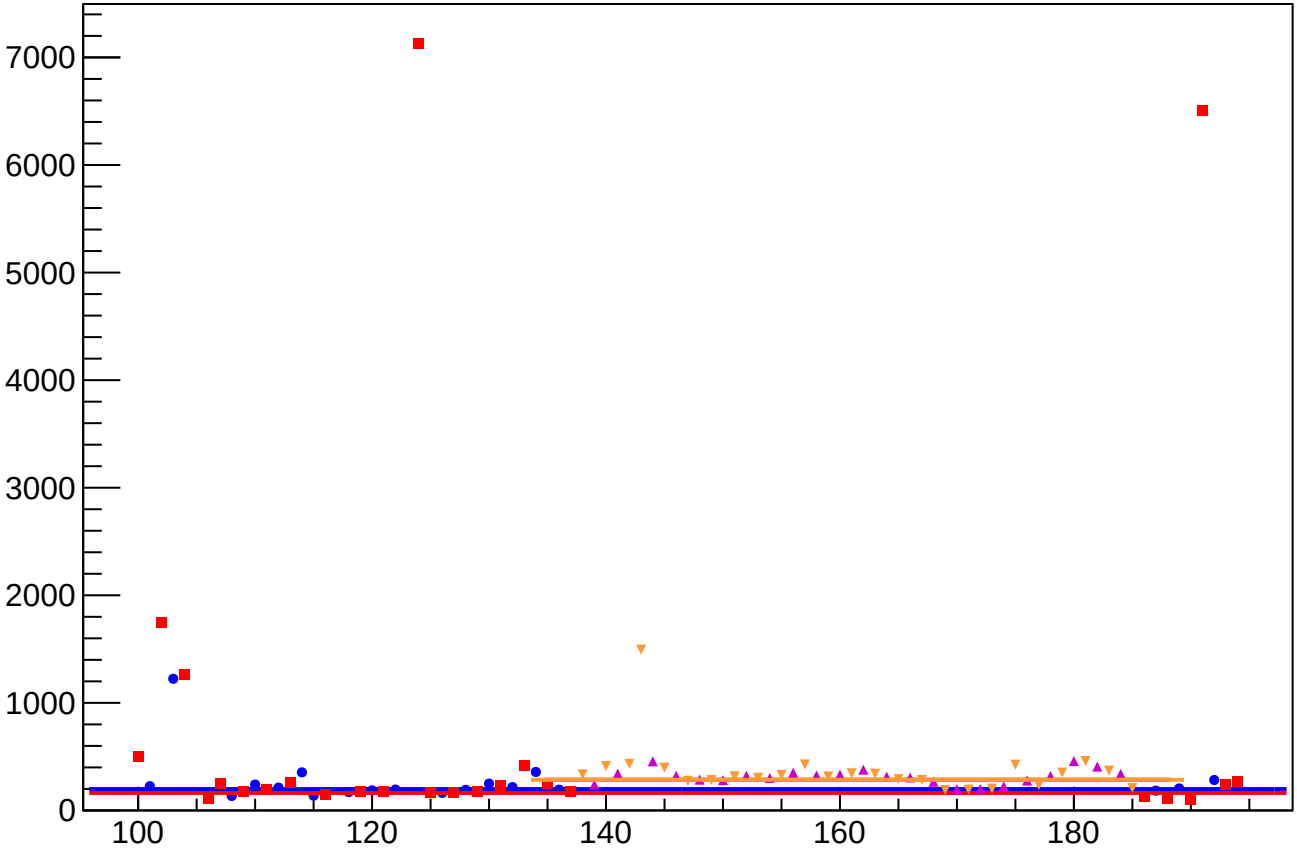
Right: -0.003+/-0.045 χ^2/NDF: 42.3/43

In: -0.080+/-0.050 χ^2/NDF:45.1/41

Out: 0.028+/-0.044 χ^2/NDF:55.2/49

All: -0.019+/-0.033 χ^2/NDF: 102.9/91

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 199.033+/-0.051 χ^2/NDF: 1585342.3/18

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 162.838+/-0.040 χ^2/NDF: 4099548.6/24

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

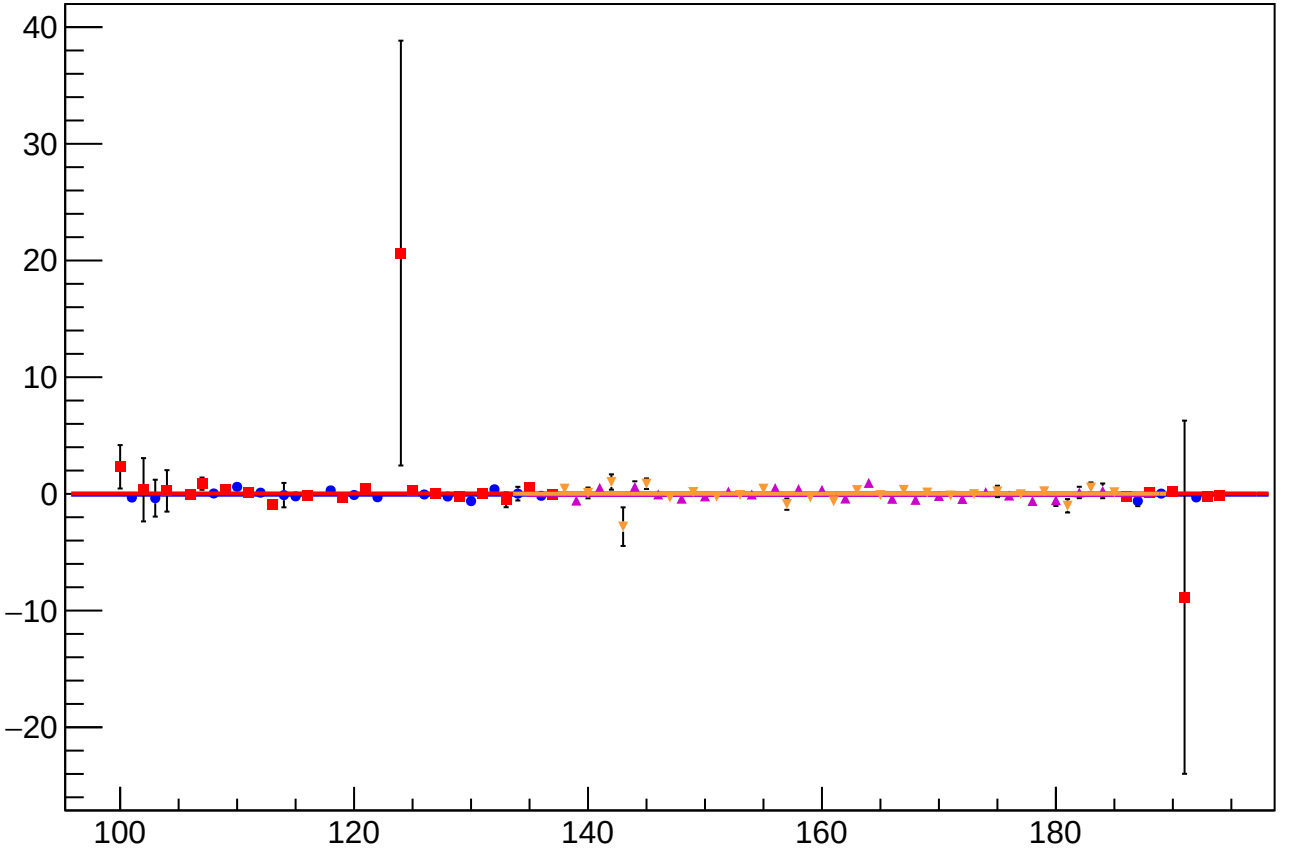
Right: 176.771+/-0.032 χ^2/NDF: 5995301.8/43

In: 243.447+/-0.036 χ^2/NDF:4815821.2/41

Out: 211.710+/-0.031 χ^2/NDF:11182653.1/49

All: 225.504+/-0.023 χ^2/NDF: 16447562.8/91

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.072 χ^2/NDF: 14.1/18

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.038+/-0.057 χ^2/NDF: 26.9/24

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

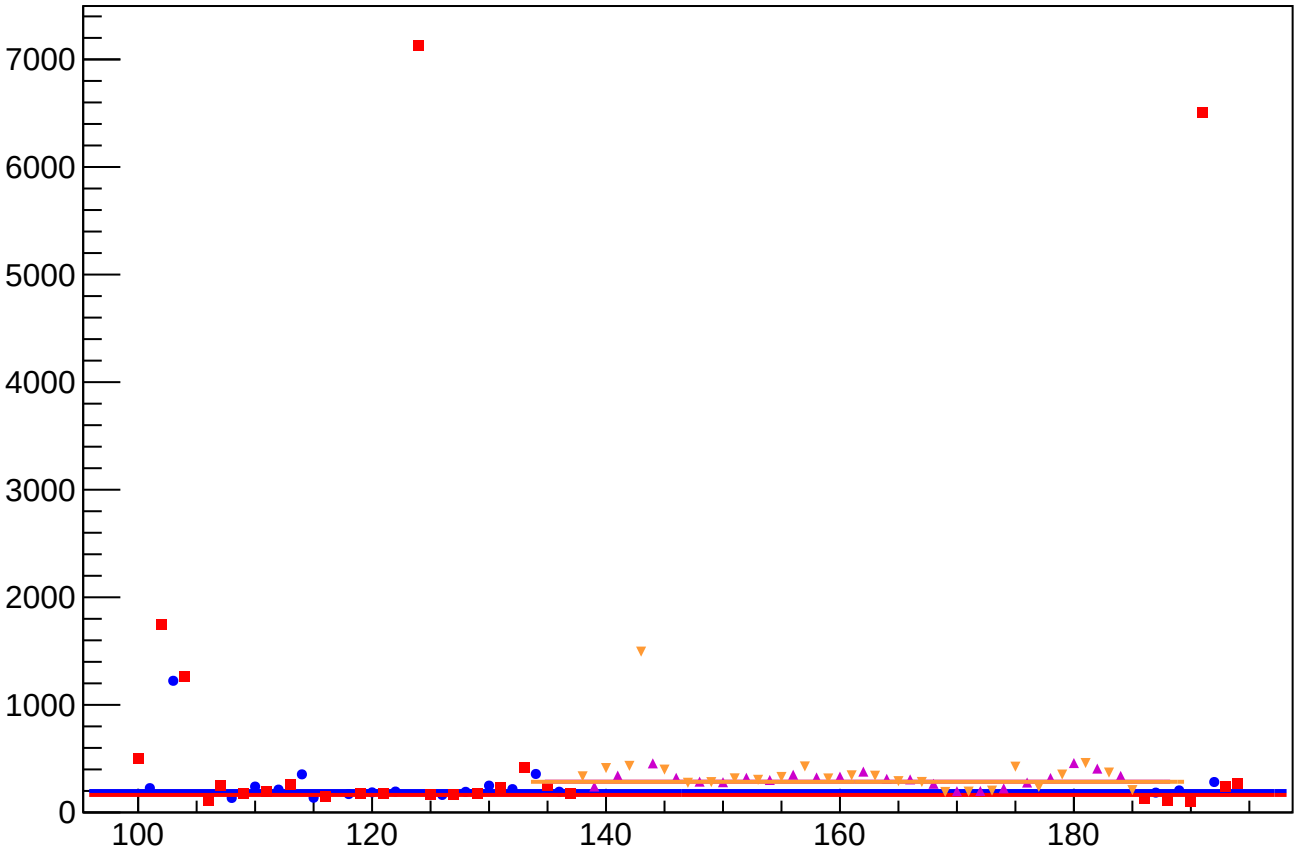
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: -0.003+/-0.045 χ^2/NDF: 42.3/43

In: -0.080+/-0.050 χ^2/NDF:45.1/41

Out: 0.028+/-0.044 χ^2/NDF:55.2/49

All: -0.019+/-0.033 χ^2/NDF: 102.9/91



Right In: 199.033+/-0.051 χ^2/NDF: 1585342.3/18

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 162.838+/-0.040 χ^2/NDF: 4099548.6/24

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

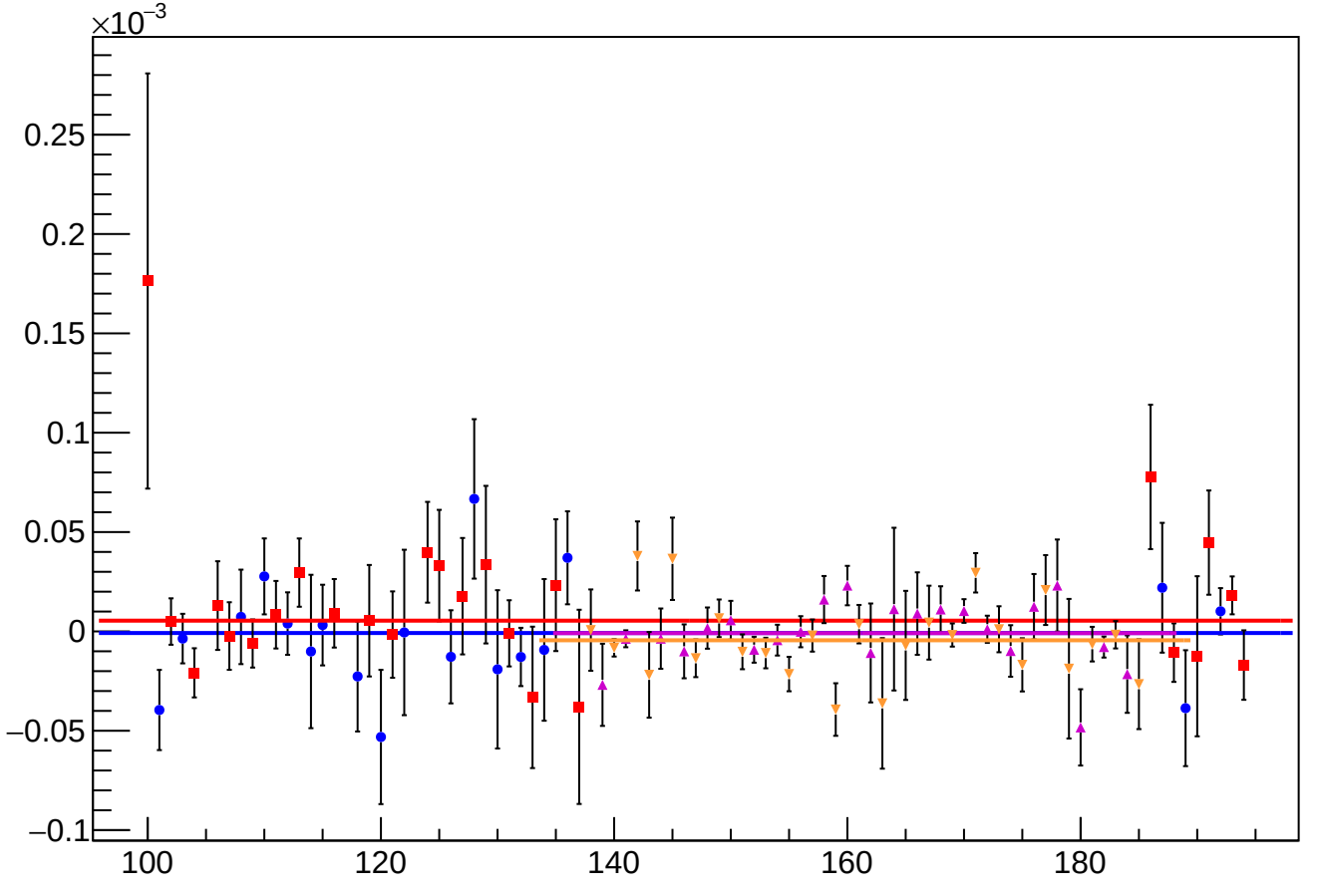
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

Right: 176.771+/-0.032 χ^2/NDF: 5995301.8/43

In: 243.447+/-0.036 χ^2/NDF:4815821.2/41

Out: 211.710+/-0.031 χ^2/NDF:11182653.1/49

All: 225.504+/-0.023 χ^2/NDF: 16447562.8/91



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.5/24

Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

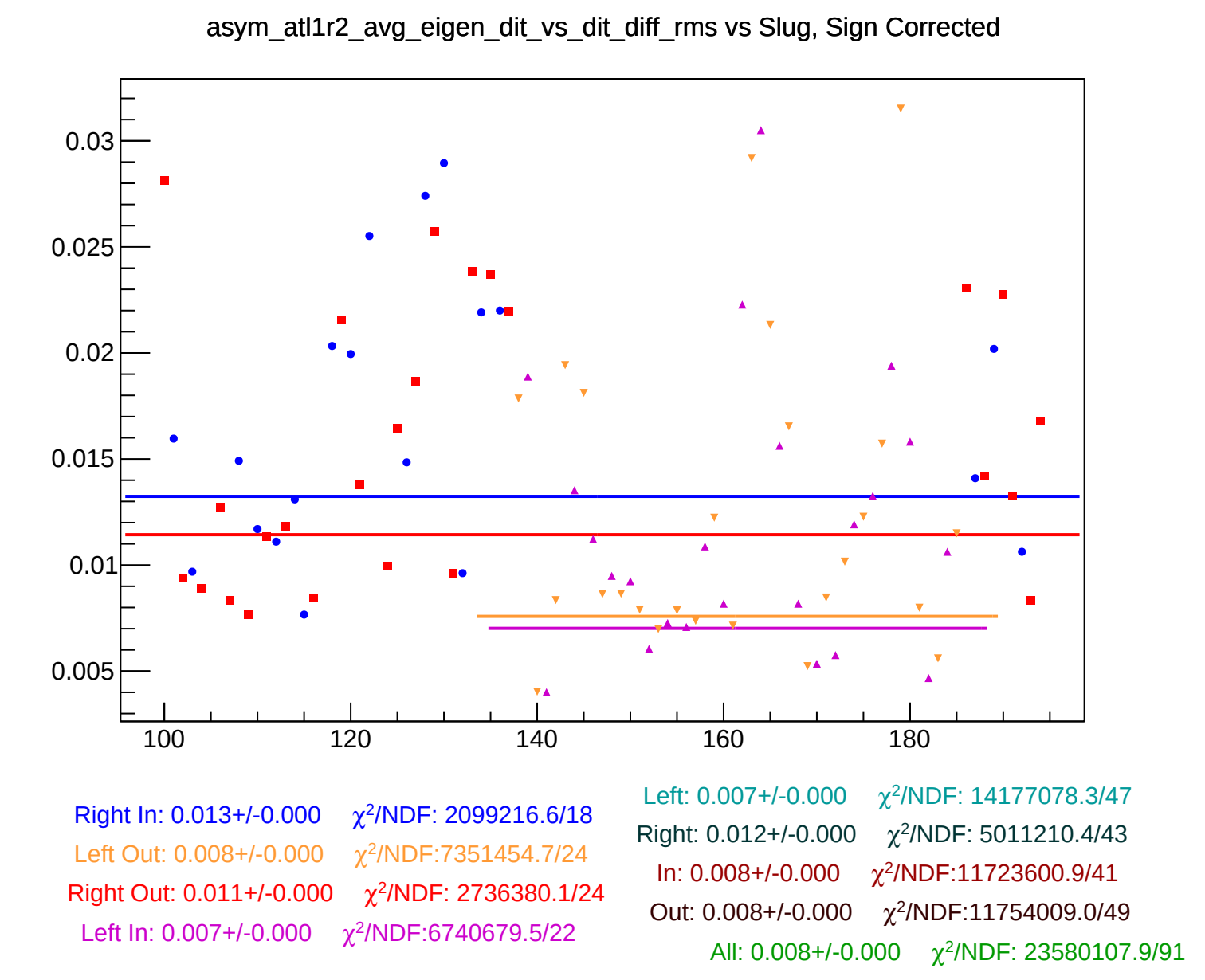
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: 0.000+/-0.000 χ^2/NDF: 47.5/43

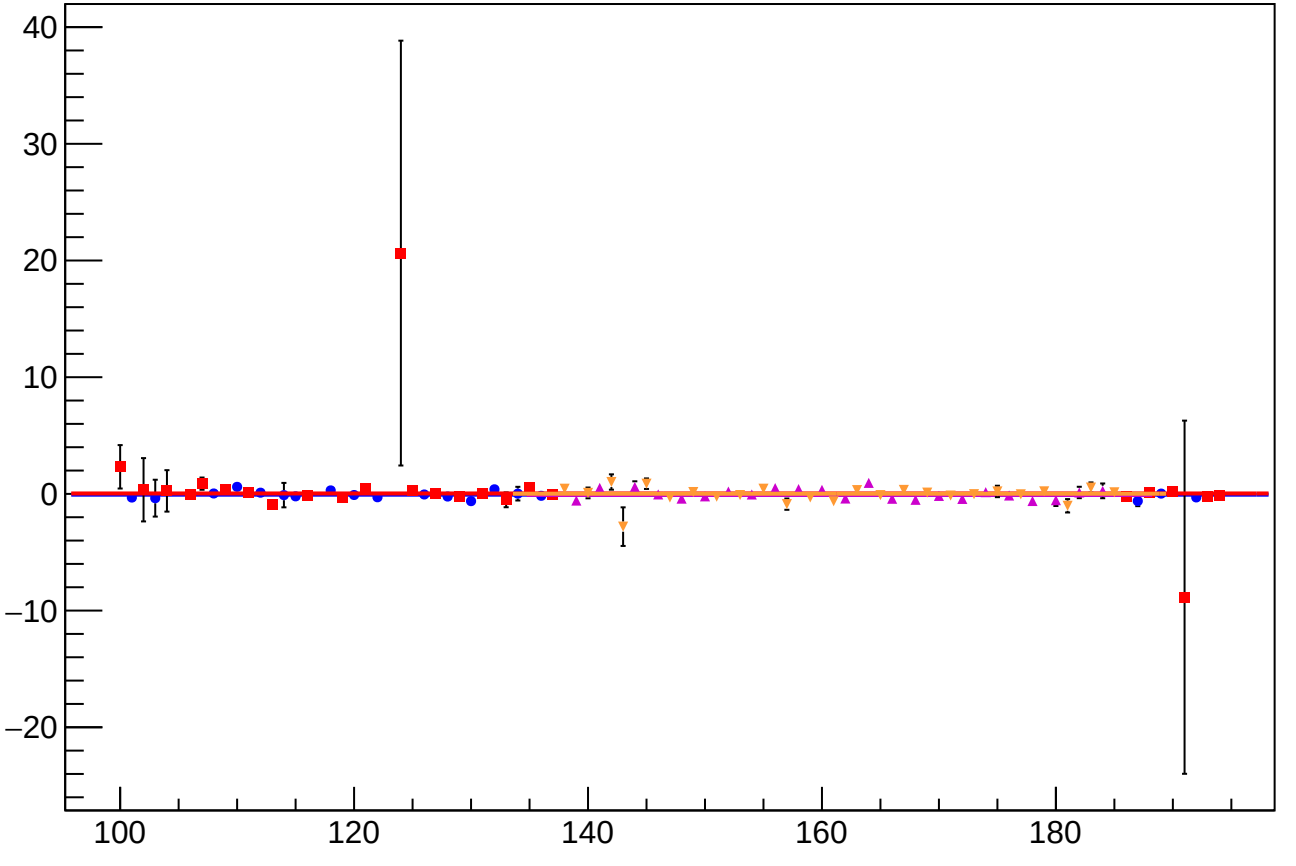
In: -0.000+/-0.000 χ^2/NDF:48.0/41

Out: -0.000+/-0.000 χ^2/NDF:76.9/49

All: -0.000+/-0.000 χ^2/NDF: 125.2/91


asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
Right In: 0.013+/-0.000 χ²/NDF: 2099216.6/18
Left Out: 0.008+/-0.000 χ²/NDF:7351454.7/24
Right Out: 0.011+/-0.000 χ²/NDF: 2736380.1/24
Left In: 0.007+/-0.000 χ²/NDF:6740679.5/22
Left: 0.007+/-0.000 χ²/NDF: 14177078.3/47
Right: 0.012+/-0.000 χ²/NDF: 5011210.4/43
In: 0.008+/-0.000 χ²/NDF:11723600.9/41
Out: 0.008+/-0.000 χ²/NDF:11754009.0/49
All: 0.008+/-0.000 χ²/NDF: 23580107.9/91

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.072 χ^2/NDF: 14.1/18

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.038+/-0.057 χ^2/NDF: 26.9/24

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

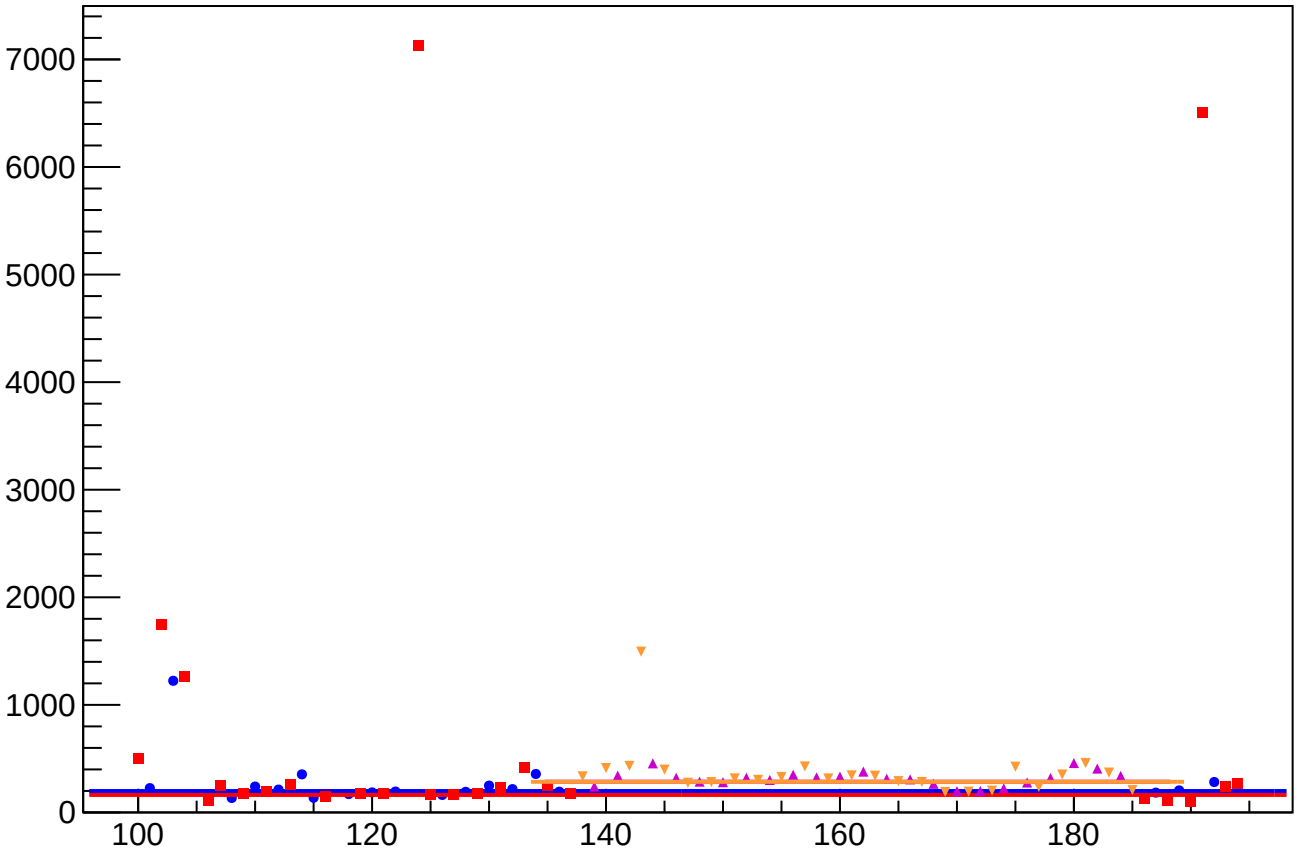
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: -0.003+/-0.045 χ^2/NDF: 42.3/43

In: -0.080+/-0.050 χ^2/NDF:45.1/41

Out: 0.028+/-0.044 χ^2/NDF:55.2/49

All: -0.019+/-0.033 χ^2/NDF: 102.9/91



Right In: 199.032+/-0.051 χ^2/NDF: 1585338.3/18

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 162.836+/-0.040 χ^2/NDF: 4099646.6/24

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

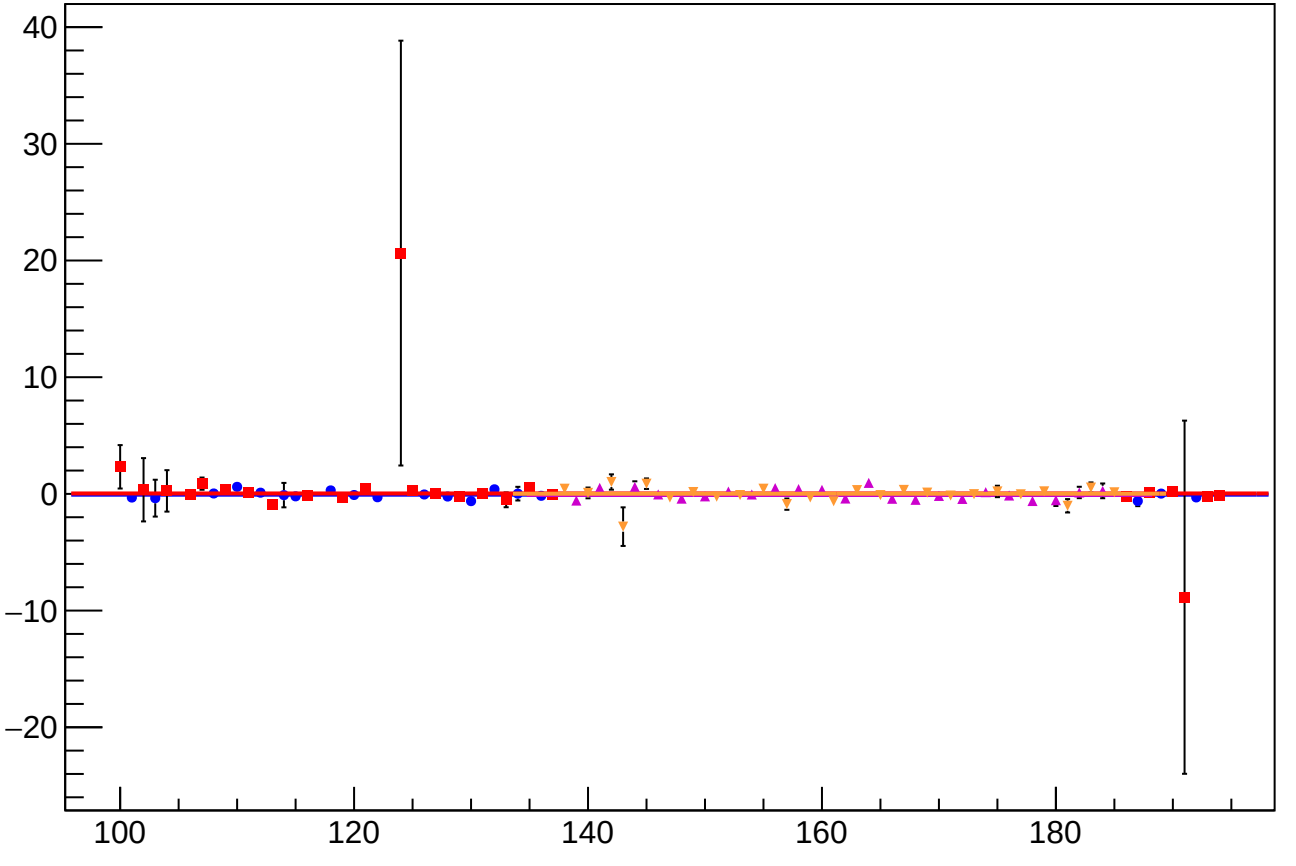
Right: 176.769+/-0.032 χ^2/NDF: 5995427.2/43

In: 243.447+/-0.036 χ^2/NDF:4815985.3/41

Out: 211.708+/-0.031 χ^2/NDF:11183114.8/49

All: 225.502+/-0.023 χ^2/NDF: 16448243.1/91

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.072 χ^2/NDF: 14.1/18

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.038+/-0.057 χ^2/NDF: 26.9/24

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

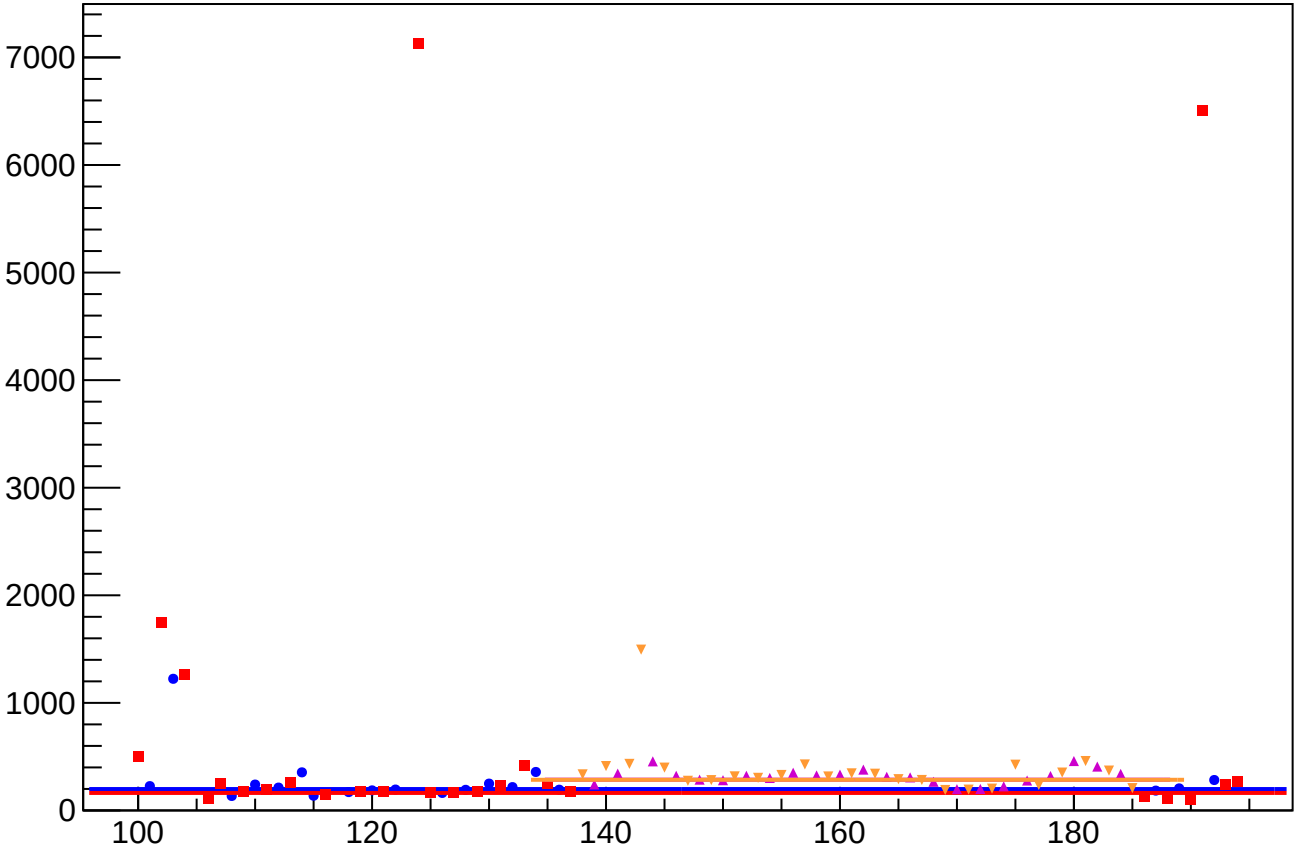
Right: -0.003+/-0.045 χ^2/NDF: 42.3/43

In: -0.080+/-0.050 χ^2/NDF:45.1/41

Out: 0.028+/-0.044 χ^2/NDF:55.2/49

All: -0.019+/-0.033 χ^2/NDF: 102.9/91

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 199.032+/-0.051 χ^2/NDF: 1585338.3/18

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 162.836+/-0.040 χ^2/NDF: 4099646.6/24

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

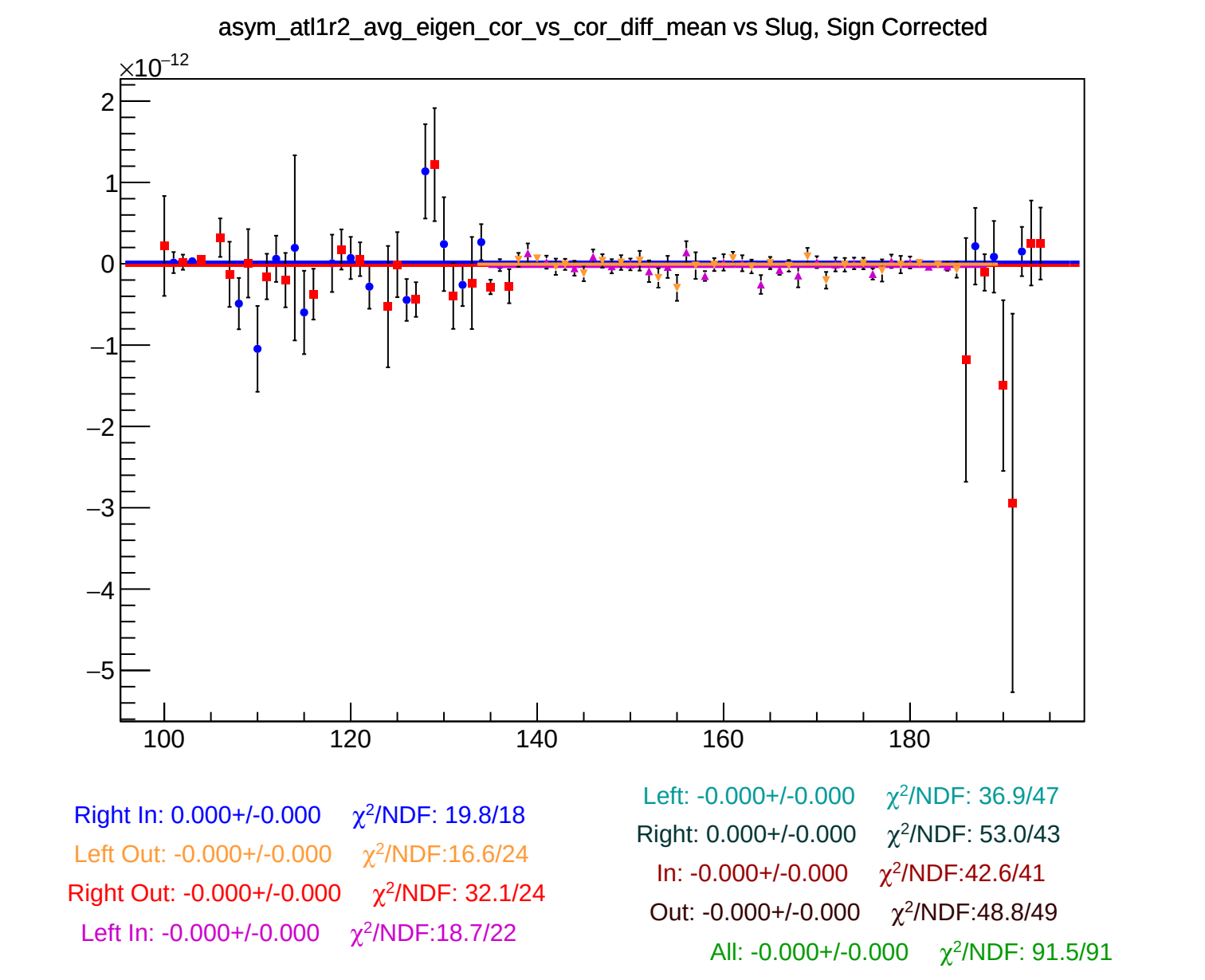
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

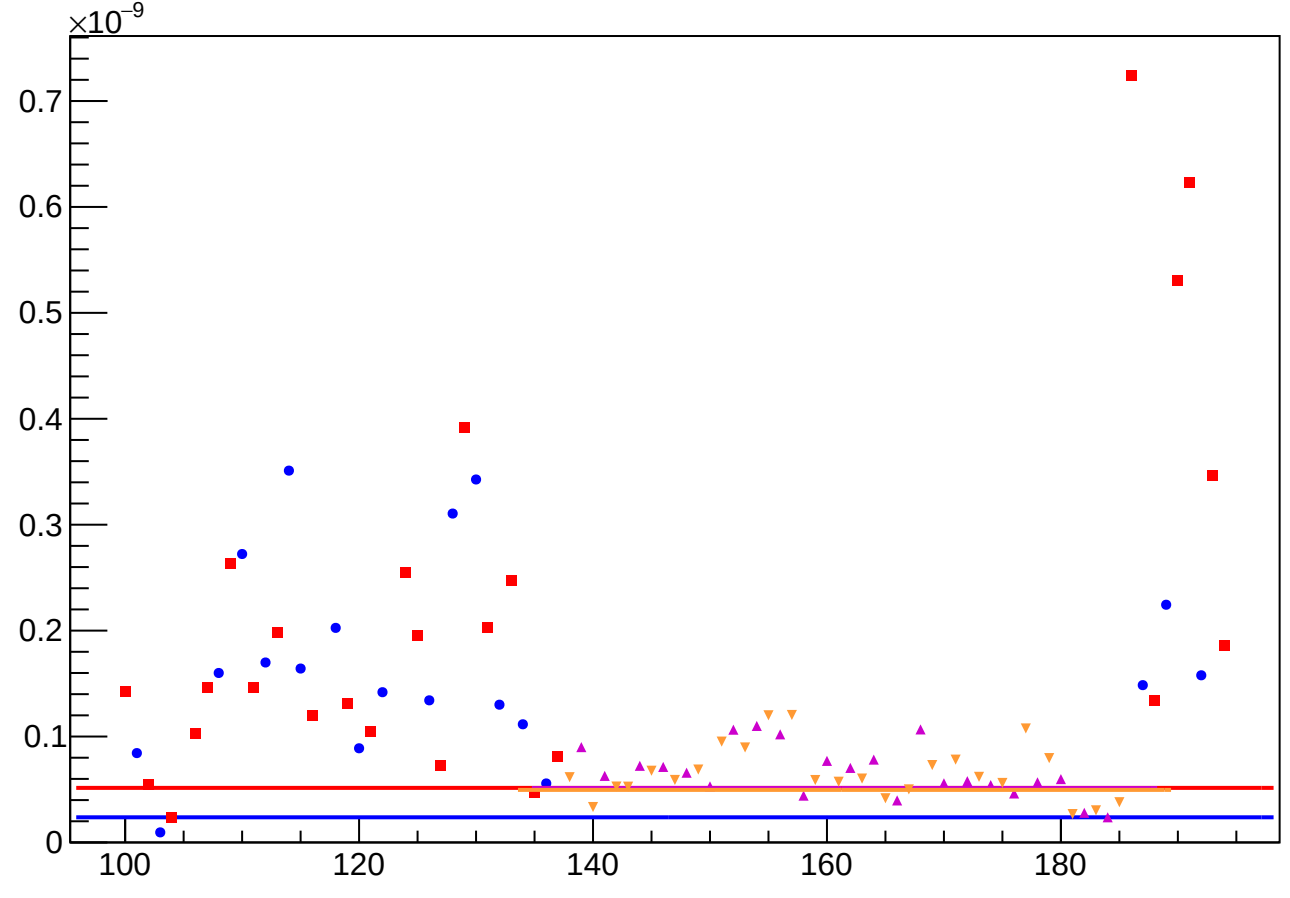
Right: 176.769+/-0.032 χ^2/NDF: 5995427.2/43

In: 243.447+/-0.036 χ^2/NDF:4815985.3/41

Out: 211.708+/-0.031 χ^2/NDF:11183114.8/49

All: 225.502+/-0.023 χ^2/NDF: 16448243.1/91


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
Right In: 0.000+/-0.000 χ²/NDF: 19.8/18
Left Out: -0.000+/-0.000 χ²/NDF:16.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 32.1/24
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: 53.0/43
In: -0.000+/-0.000 χ²/NDF:42.6/41
Out: -0.000+/-0.000 χ²/NDF:48.8/49
All: -0.000+/-0.000 χ²/NDF: 91.5/91



Right In: 0.000+/-0.000 χ^2/NDF: 7364780.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6302397.4/24

Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

Left: 0.000+/-0.000 χ^2/NDF: 7555879.5/47

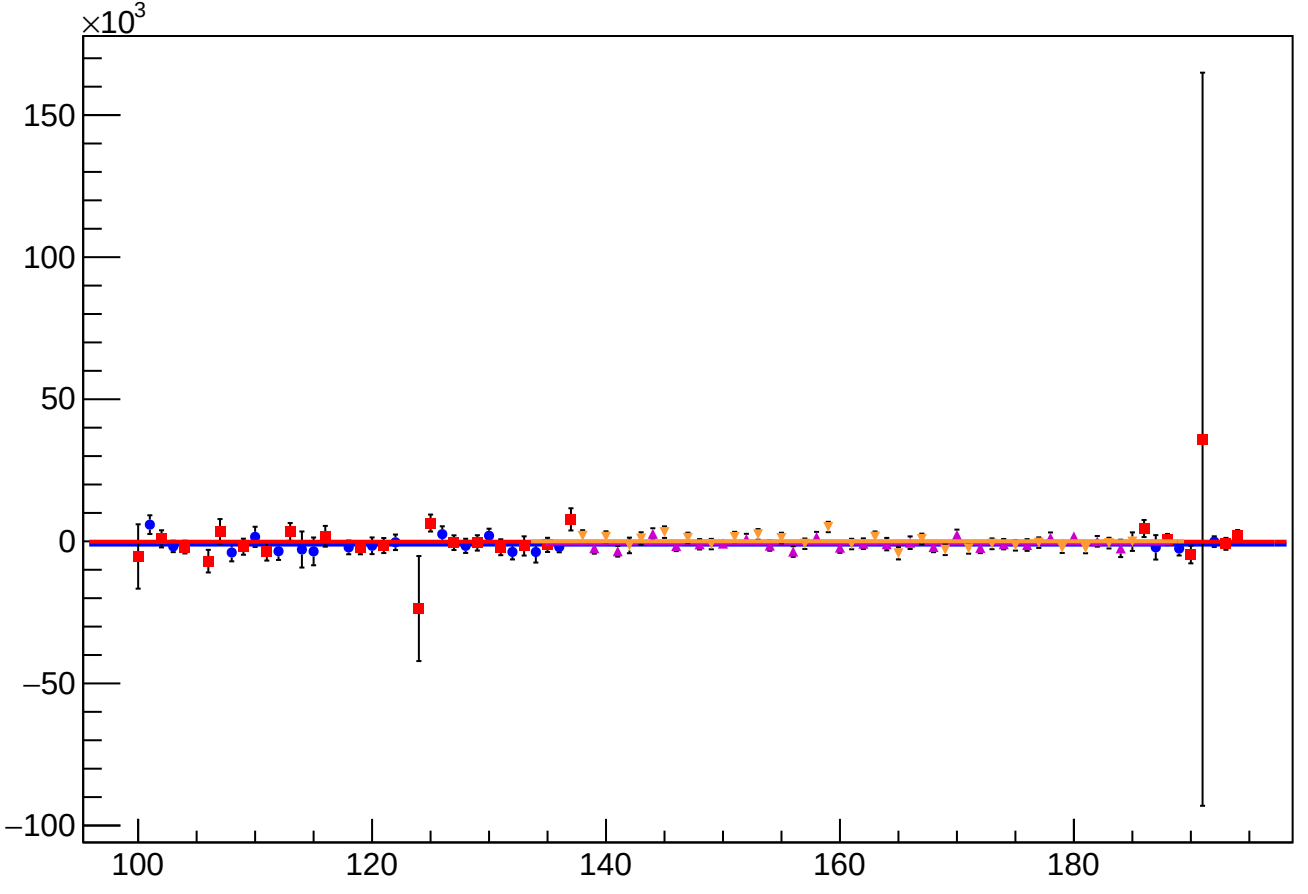
Right: 0.000+/-0.000 χ^2/NDF: 14795043.2/43

In: 0.000+/-0.000 χ^2/NDF:13313966.8/41

Out: 0.000+/-0.000 χ^2/NDF:10191206.8/49

All: 0.000+/-0.000 χ^2/NDF: 23966105.9/91

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1133.577+/-622.020 χ^2/NDF: 12.9/18

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: -131.232+/-579.240 χ^2/NDF: 26.4/24

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

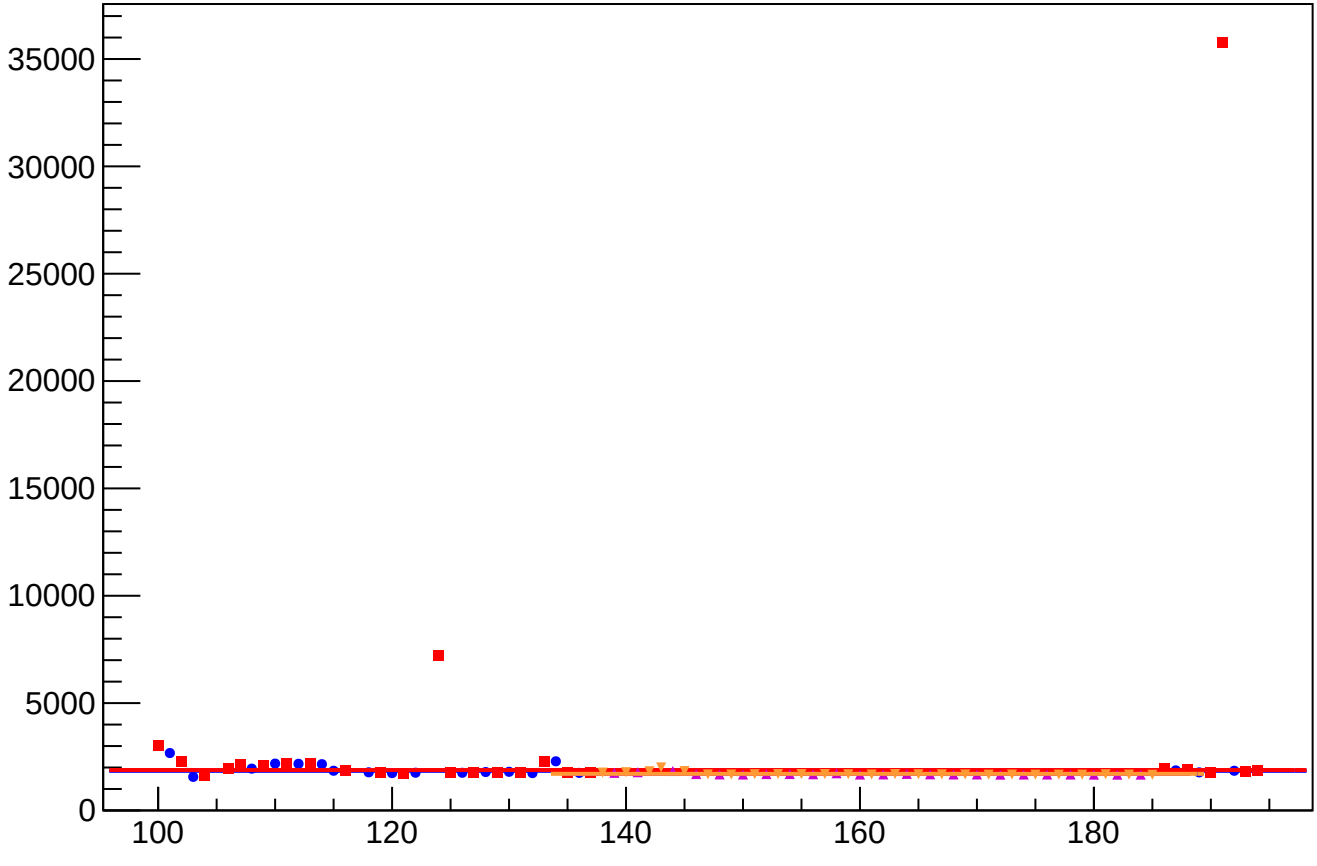
Right: -596.753+/-423.902 χ^2/NDF: 40.7/43

In: -839.120+/-334.318 χ^2/NDF:32.3/41

Out: -24.645+/-322.208 χ^2/NDF:55.9/49

All: -416.864+/-231.999 χ^2/NDF: 91.3/91

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1846.157+/-0.440 χ^2/NDF: 261900.0/18

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1882.796+/-0.409 χ^2/NDF: 510205.4/24

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

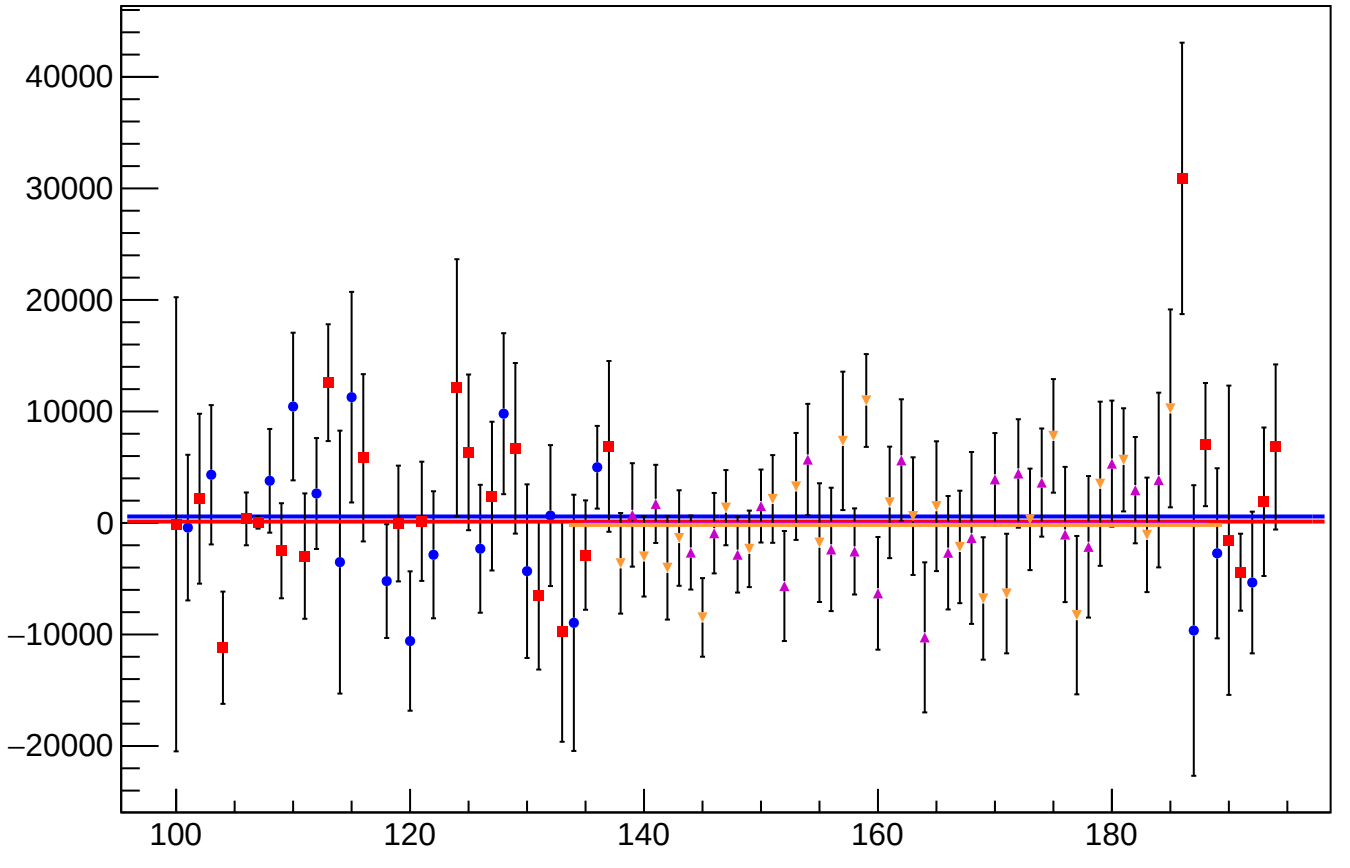
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1865.808+/-0.299 χ^2/NDF: 775827.2/43

In: 1740.453+/-0.236 χ^2/NDF:364265.0/41

Out: 1760.571+/-0.228 χ^2/NDF:699612.2/49

All: 1750.888+/-0.164 χ^2/NDF: 1067633.5/91



Right In: 580.598+/-1427.055 χ^2/NDF: 15.6/18

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: 125.467+/-495.078 χ^2/NDF: 28.5/24

Left In: -56.448+/-956.389 χ^2/NDF:14.3/22

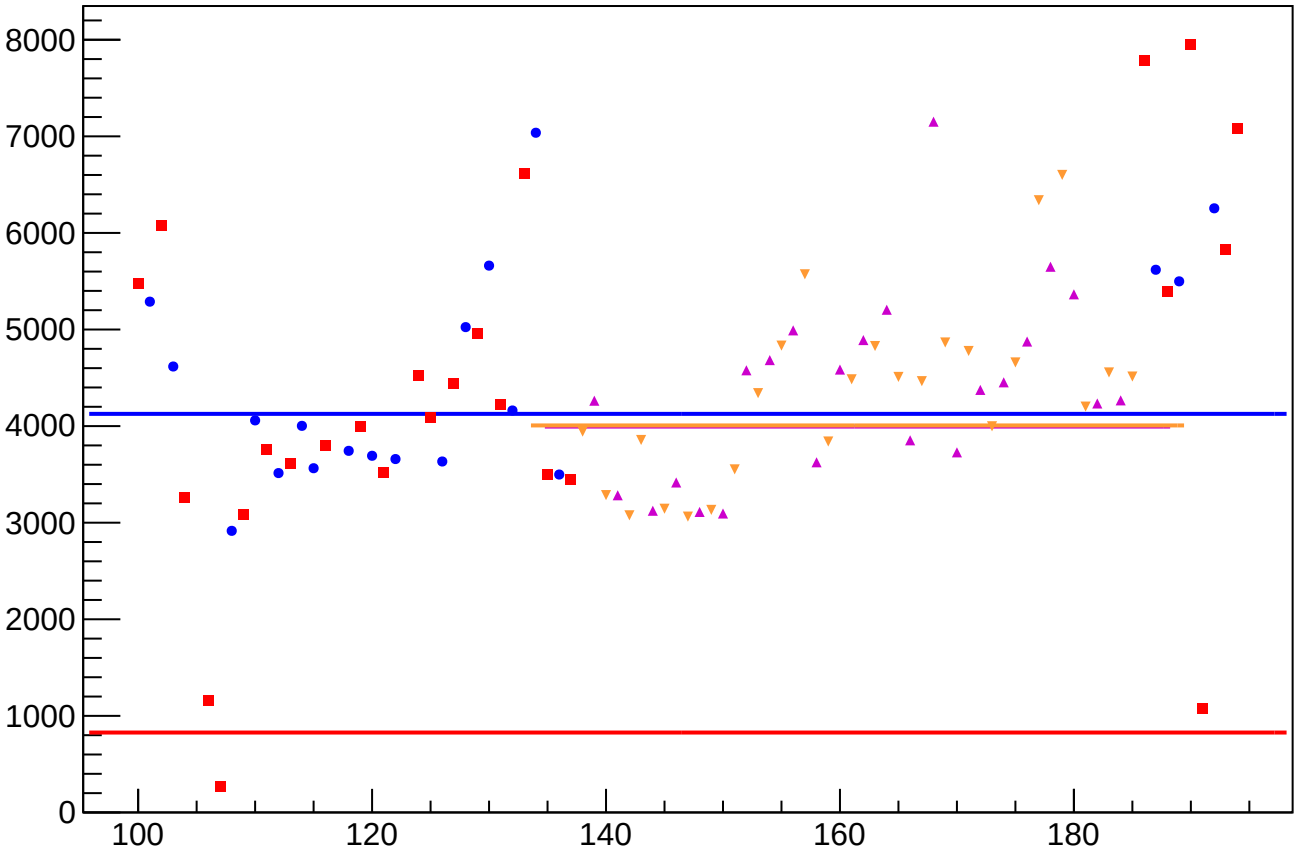
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: 174.360+/-467.730 χ^2/NDF: 44.2/43

In: 140.997+/-794.472 χ^2/NDF:30.0/41

Out: 59.518+/-437.543 χ^2/NDF:56.6/49

All: 78.480+/-383.263 χ^2/NDF: 86.5/91



Right In: 4126.734+/-1.009 χ^2/NDF: 908159.5/18

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 827.427+/-0.350 χ^2/NDF: 15847718.3/24

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

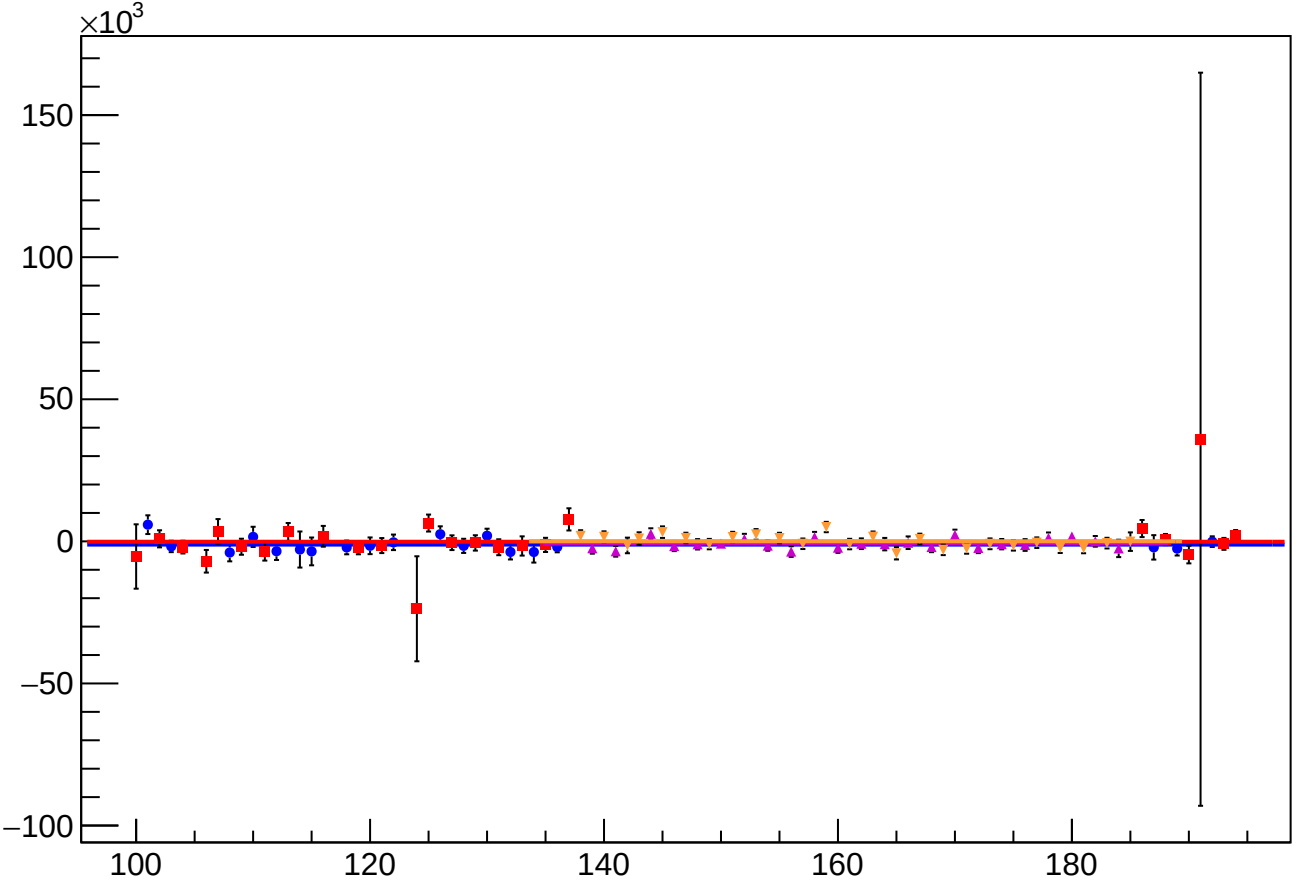
Right: 1181.859+/-0.331 χ^2/NDF: 26297852.1/43

In: 4035.812+/-0.562 χ^2/NDF:2458040.2/41

Out: 1523.502+/-0.309 χ^2/NDF:35410974.7/49

All: 2108.172+/-0.271 χ^2/NDF: 53214208.4/9

cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1133.245+/-622.020 χ^2/NDF: 12.9/18

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -131.489+/-579.241 χ^2/NDF: 26.4/24

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

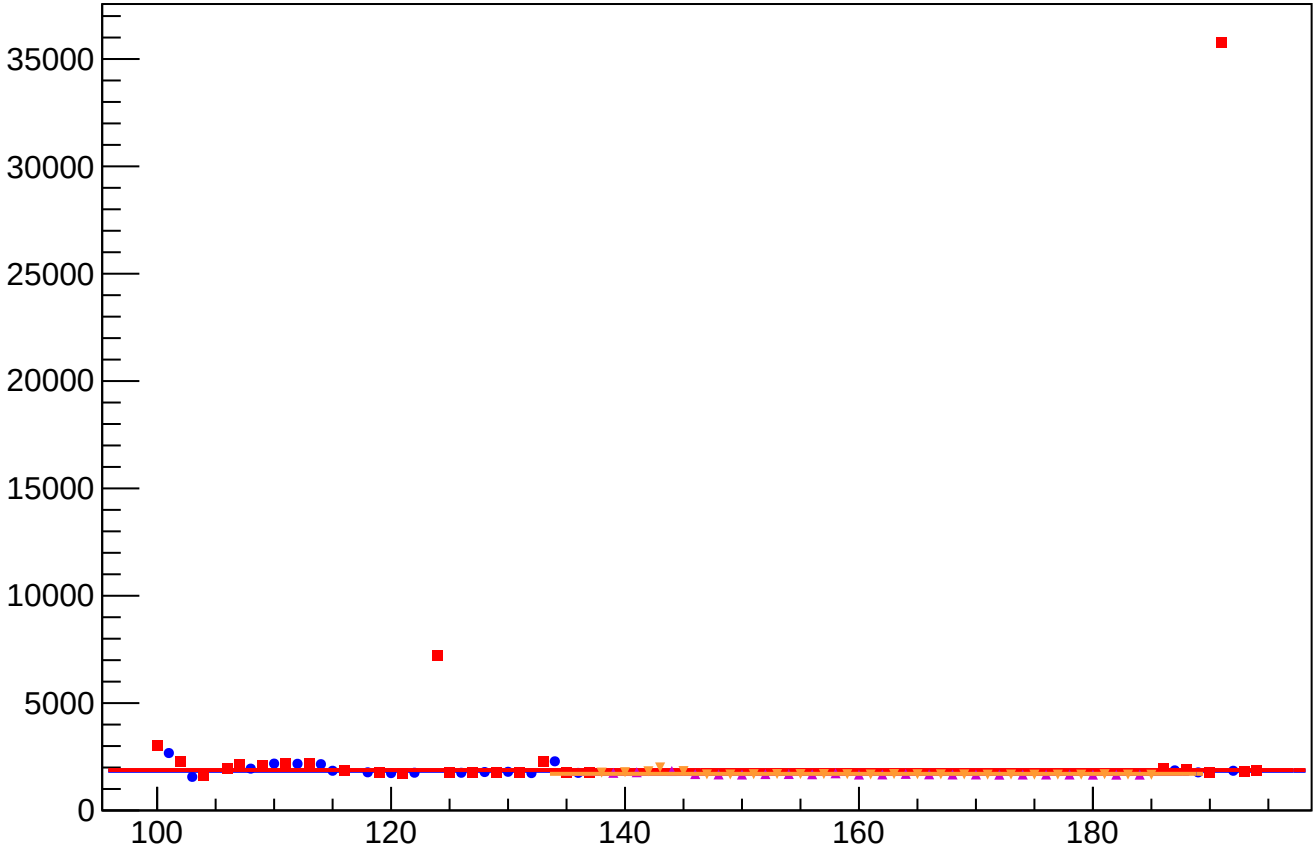
Right: -596.737+/-423.902 χ^2/NDF: 40.7/43

In: -838.936+/-334.318 χ^2/NDF:32.3/41

Out: -24.674+/-322.209 χ^2/NDF:55.9/49

All: -416.791+/-231.999 χ^2/NDF: 91.3/91

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1846.157+/-0.440 χ^2/NDF: 261899.2/18

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1883.103+/-0.409 χ^2/NDF: 510450.2/24

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

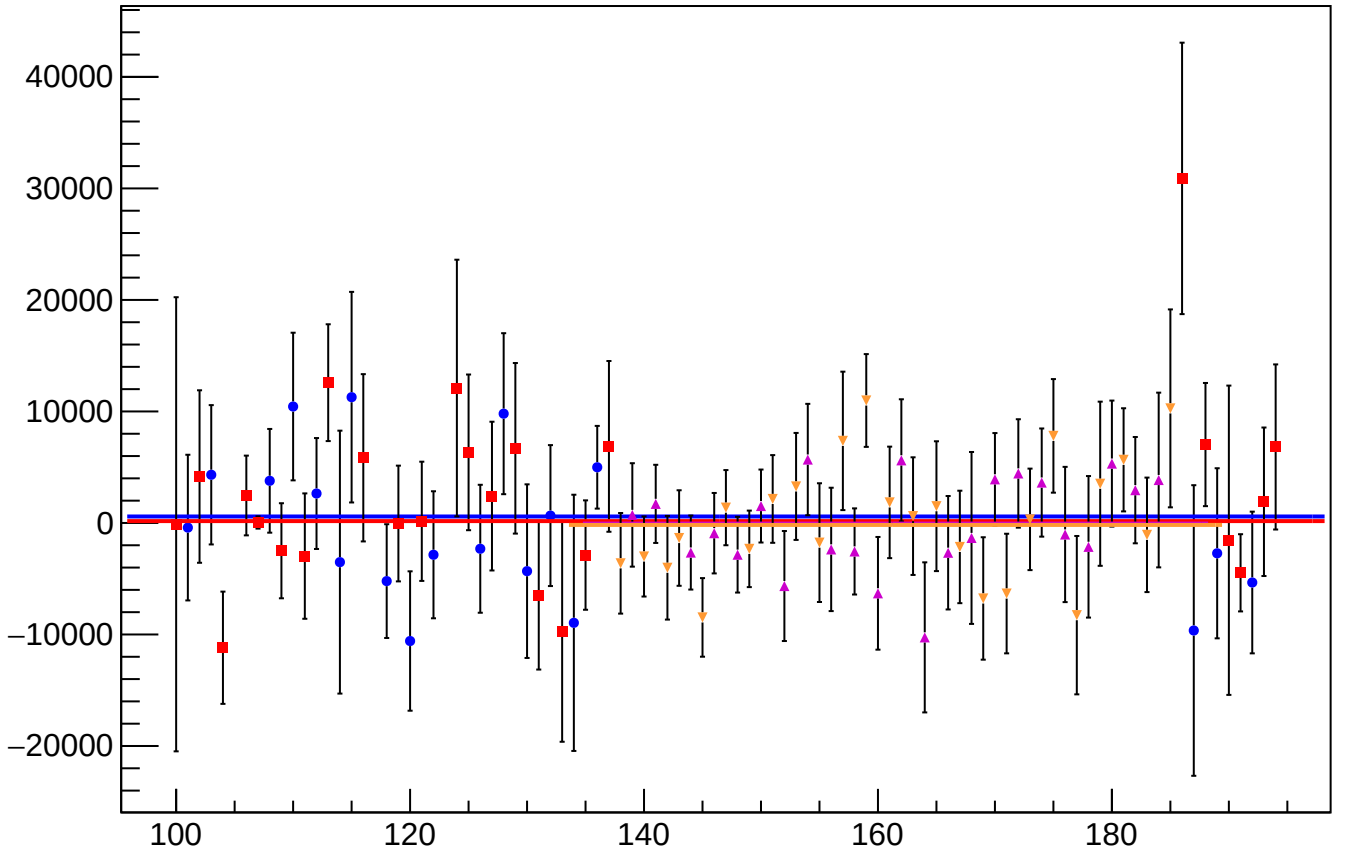
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1865.970+/-0.300 χ^2/NDF: 776133.1/43

In: 1740.454+/-0.236 χ^2/NDF:364264.5/41

Out: 1760.655+/-0.228 χ^2/NDF:700278.5/49

All: 1750.931+/-0.164 χ^2/NDF: 1068330.4/91



Right In: 580.582+/-1427.060 χ^2/NDF: 15.6/18

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 167.596+/-501.294 χ^2/NDF: 29.2/24

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

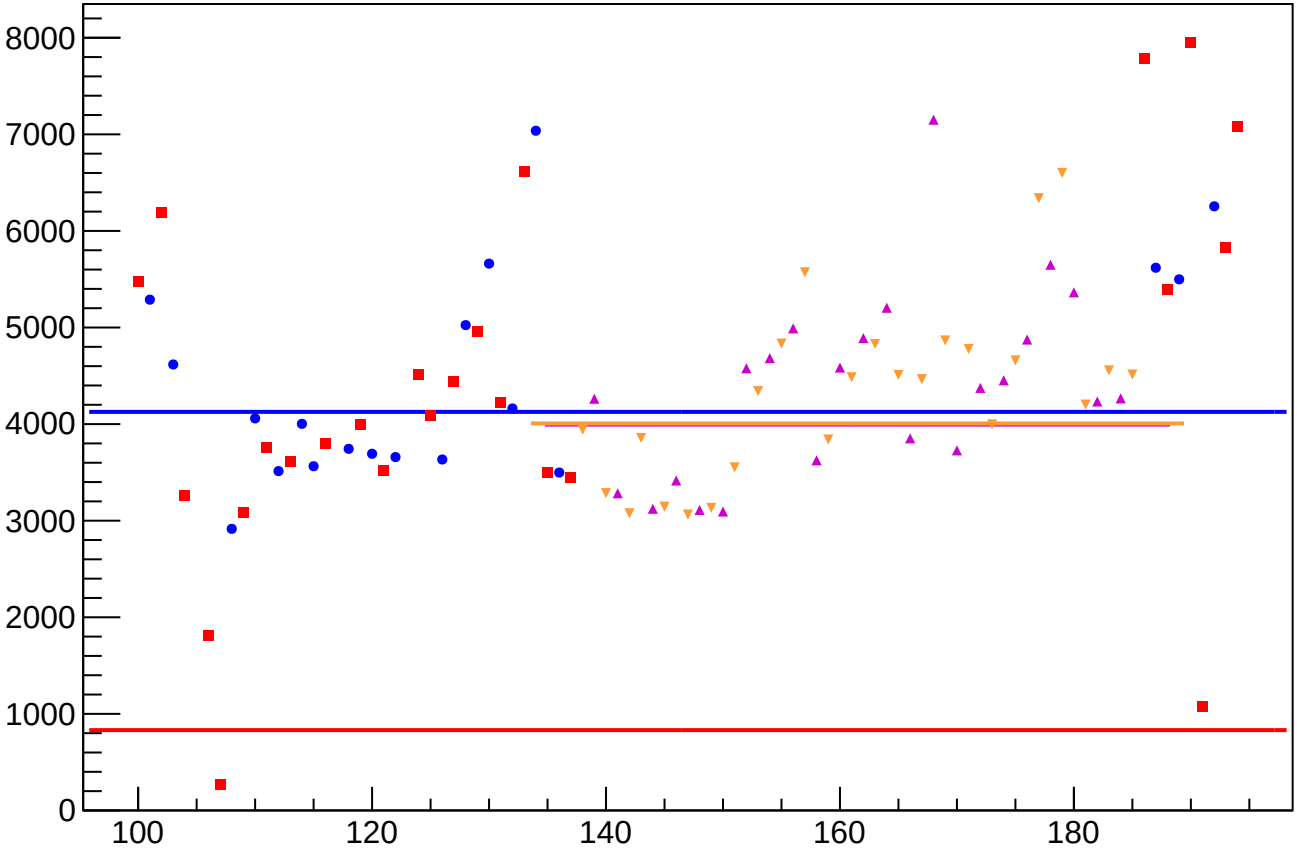
Right: 212.959+/-472.962 χ^2/NDF: 44.8/43

In: 141.040+/-794.472 χ^2/NDF:30.0/41

Out: 90.954+/-441.816 χ^2/NDF:57.2/49

All: 102.785+/-386.126 χ^2/NDF: 87.2/91

asym_atl1r2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 4126.744+/-1.009 χ^2/NDF: 908183.1/18

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 831.762+/-0.354 χ^2/NDF: 15971096.8/24

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

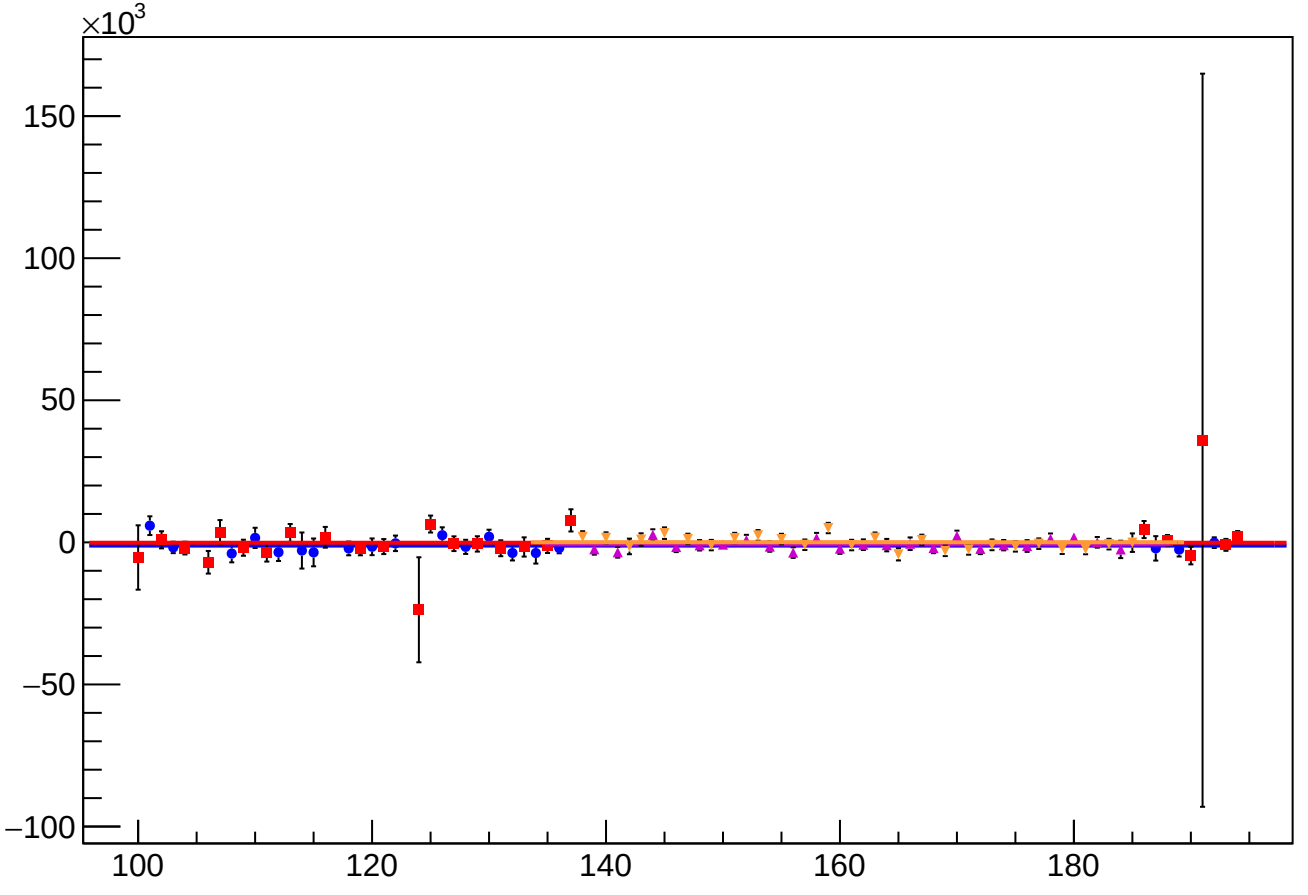
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1193.689+/-0.334 χ^2/NDF: 26370425.7/43

In: 4035.813+/-0.562 χ^2/NDF:2458048.7/41

Out: 1540.532+/-0.312 χ^2/NDF:35386030.2/49

All: 2129.945+/-0.273 χ^2/NDF: 52913103.4/9



Right In: -1133.245+/-622.020 χ^2/NDF: 12.9/18

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -131.489+/-579.241 χ^2/NDF: 26.4/24

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

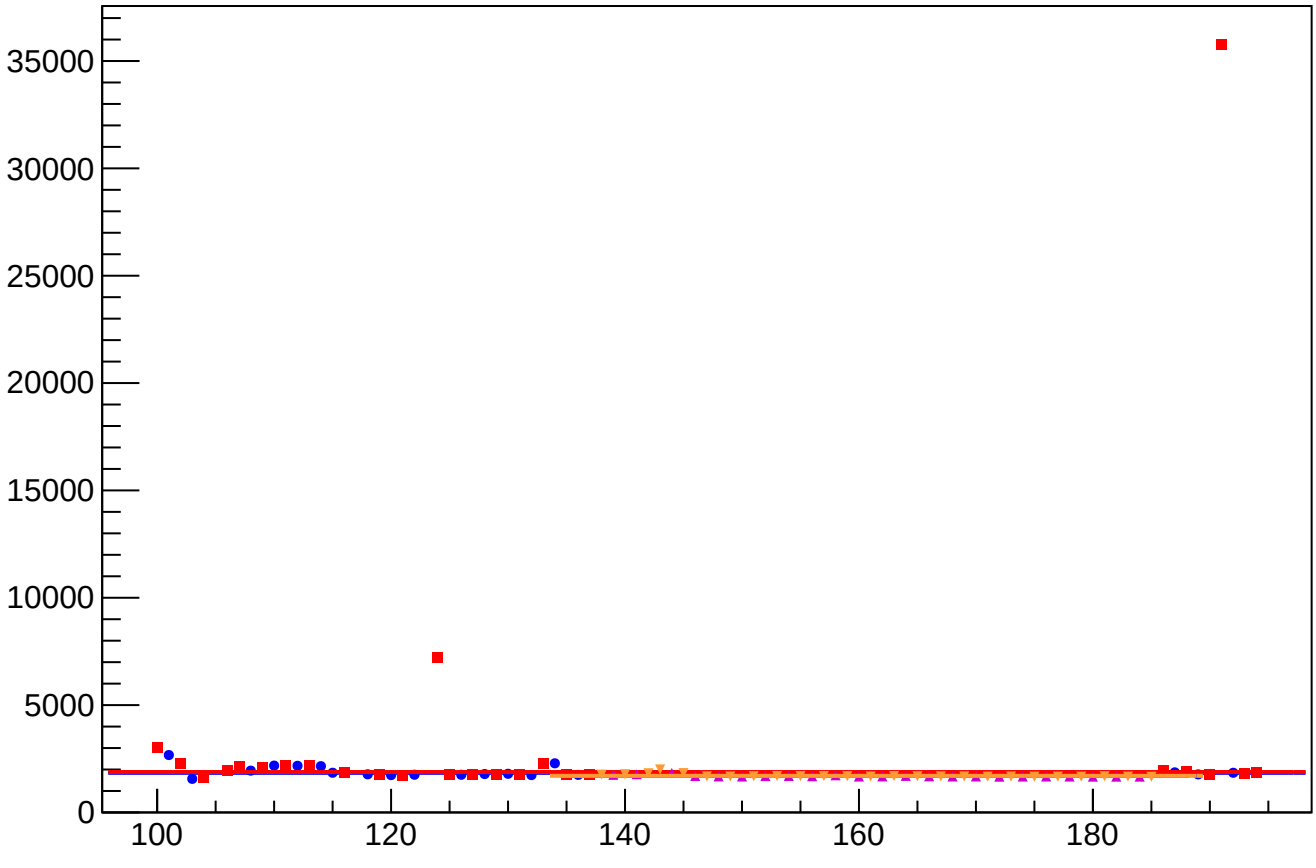
Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

Right: -596.737+/-423.902 χ^2/NDF: 40.7/43

In: -838.936+/-334.318 χ^2/NDF:32.3/41

Out: -24.674+/-322.209 χ^2/NDF:55.9/49

All: -416.791+/-231.999 χ^2/NDF: 91.3/91



Right In: 1846.157+/-0.440 χ^2/NDF: 261899.2/18

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1883.103+/-0.409 χ^2/NDF: 510450.2/24

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

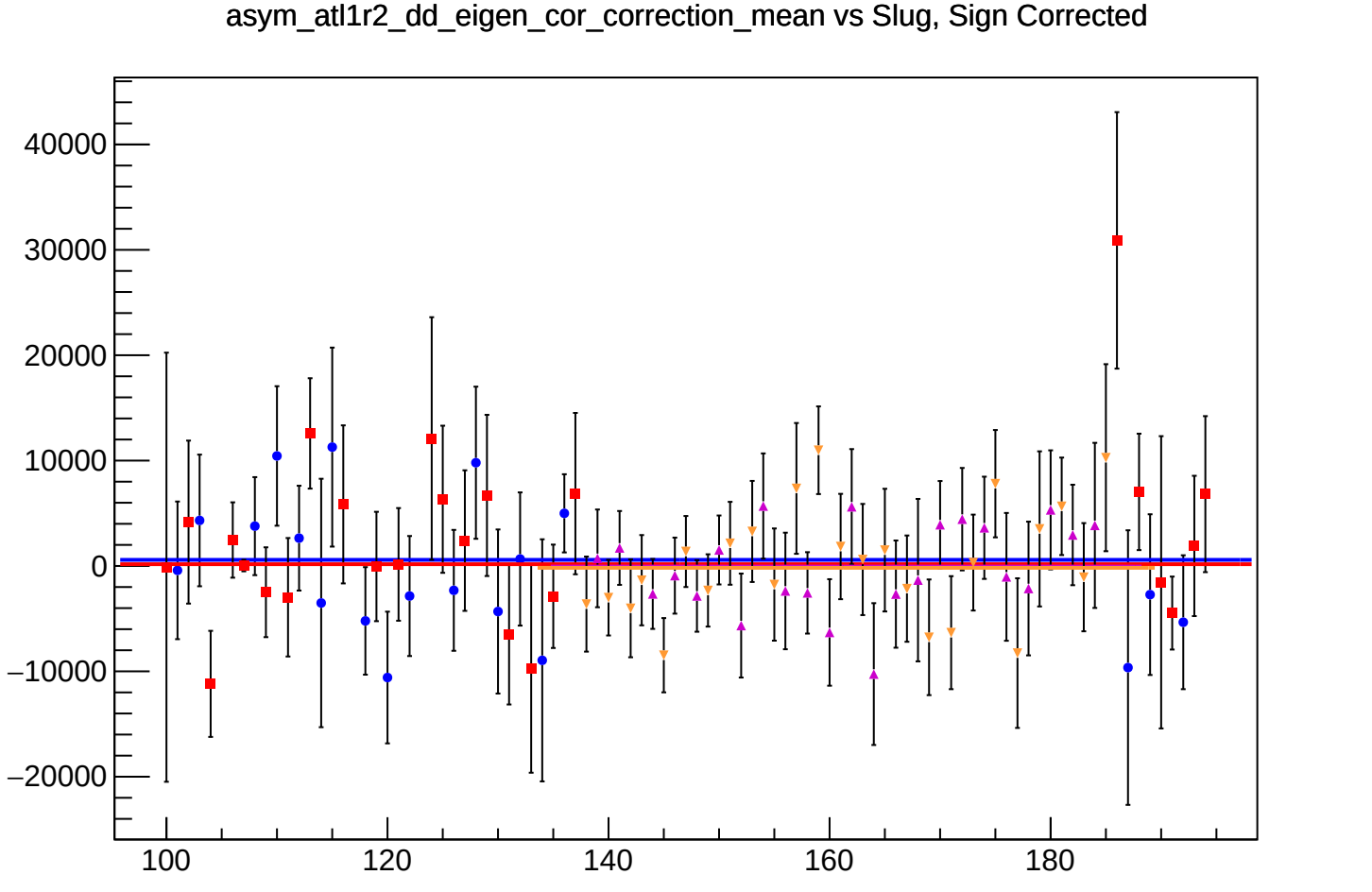
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1865.970+/-0.300 χ^2/NDF: 776133.1/43

In: 1740.454+/-0.236 χ^2/NDF:364264.5/41

Out: 1760.655+/-0.228 χ^2/NDF:700278.5/49

All: 1750.931+/-0.164 χ^2/NDF: 1068330.4/91



Right In: 580.582+/-1427.060 χ^2/NDF: 15.6/18

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 167.596+/-501.294 χ^2/NDF: 29.2/24

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

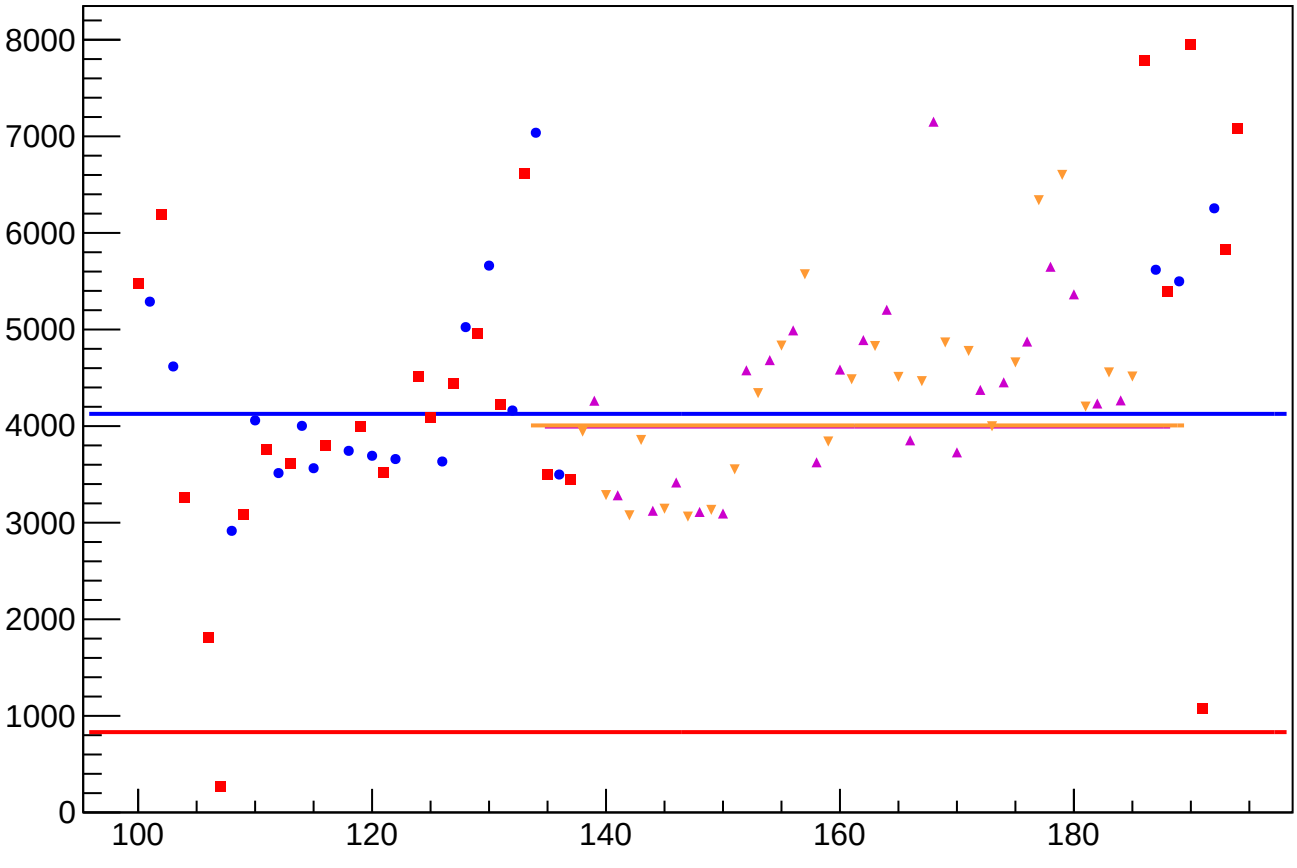
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 212.959+/-472.962 χ^2/NDF: 44.8/43

In: 141.040+/-794.472 χ^2/NDF:30.0/41

Out: 90.954+/-441.816 χ^2/NDF:57.2/49

All: 102.785+/-386.126 χ^2/NDF: 87.2/91



Right In: 4126.744+/-1.009 χ^2/NDF: 908183.1/18

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 831.762+/-0.354 χ^2/NDF: 15971096.8/24

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

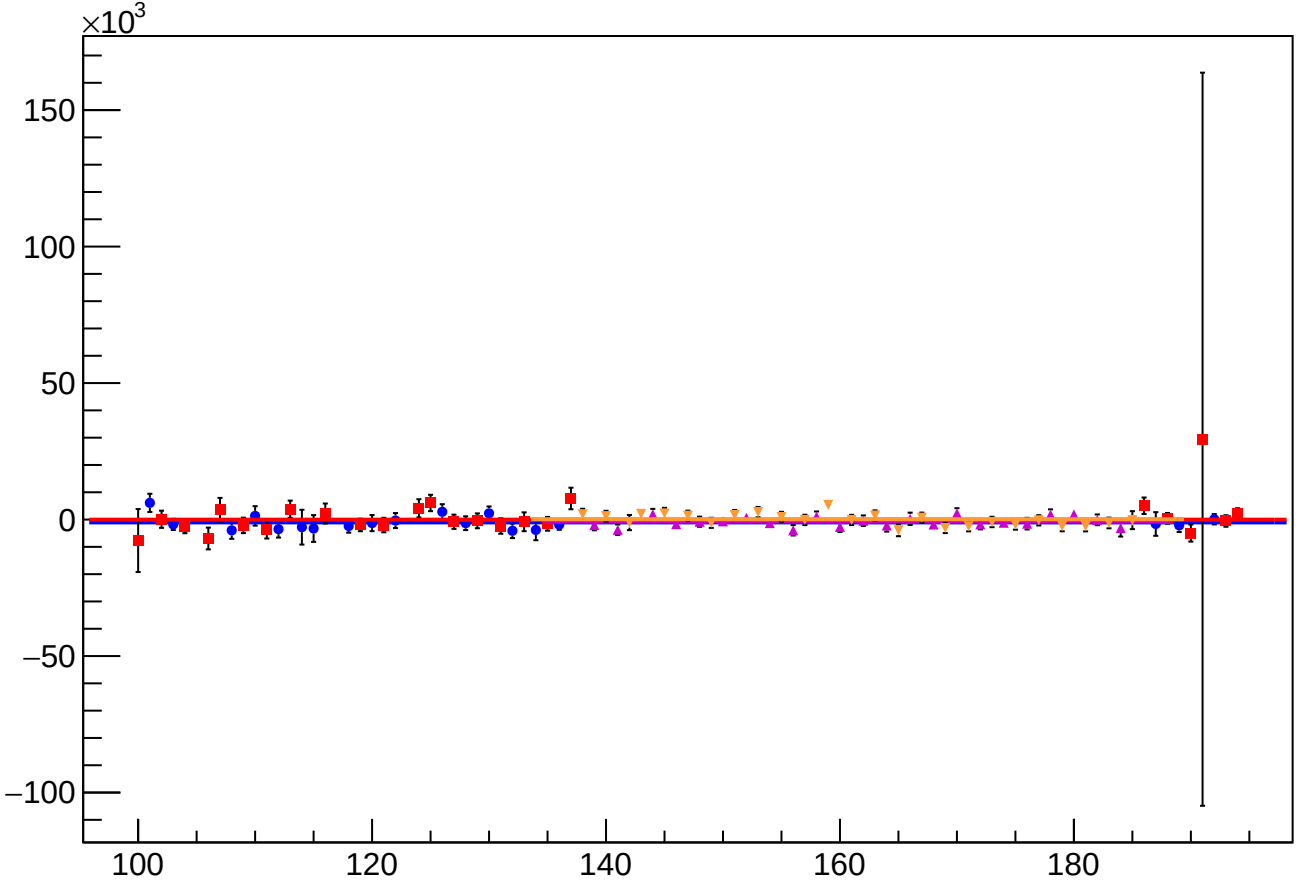
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1193.689+/-0.334 χ^2/NDF: 26370425.7/43

In: 4035.813+/-0.562 χ^2/NDF:2458048.7/41

Out: 1540.532+/-0.312 χ^2/NDF:35386030.2/49

All: 2129.945+/-0.273 χ^2/NDF: 52913103.4/9



Right In: -1035.008+/-627.569 χ^2/NDF: 13.8/18

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: -33.772+/-577.252 χ^2/NDF: 27.8/24

Left In: -741.191+/-404.161 χ^2/NDF:19.0/22

Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

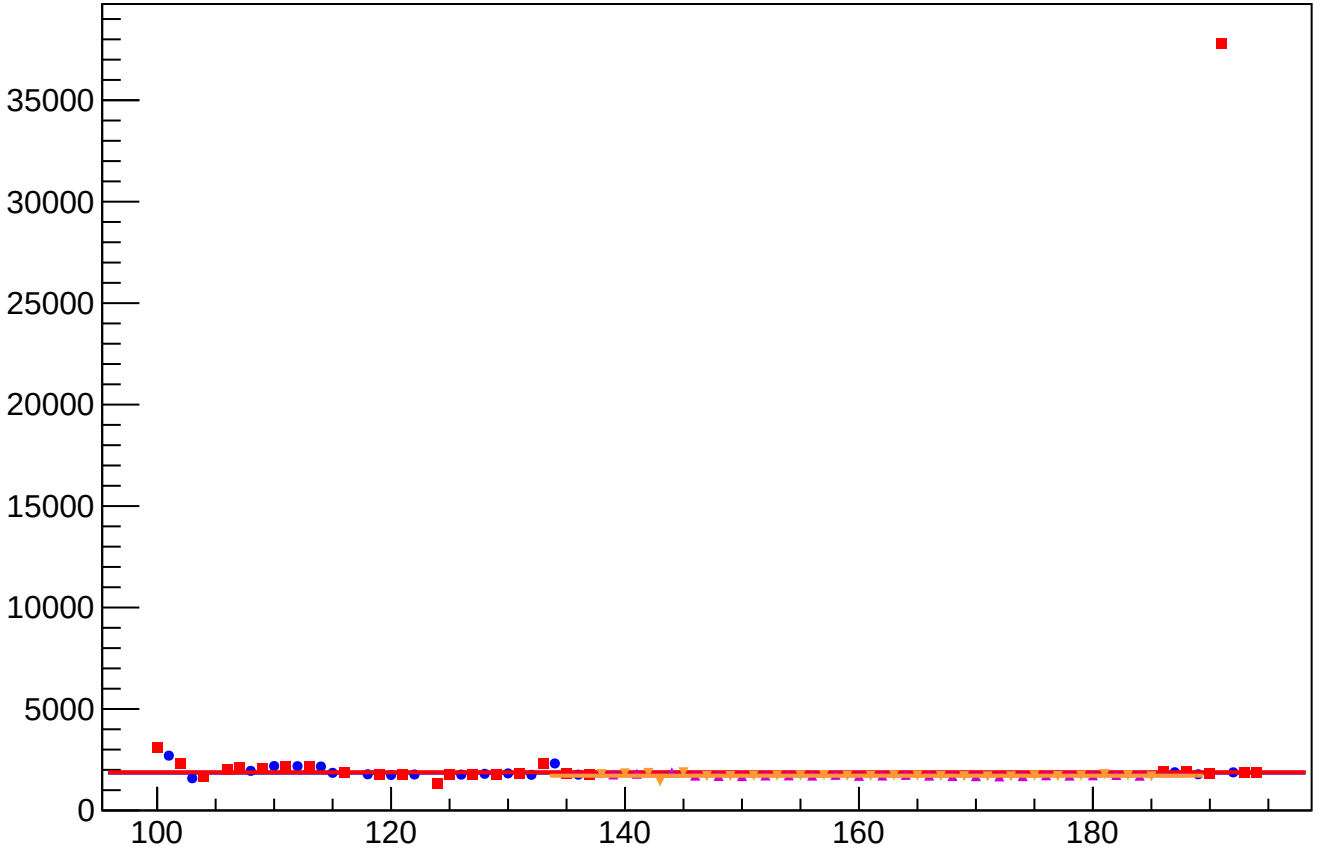
Right: -492.648+/-424.855 χ^2/NDF: 43.0/43

In: -827.326+/-339.793 χ^2/NDF:32.9/41

Out: 71.871+/-322.850 χ^2/NDF:57.6/49

All: -354.752+/-234.050 χ^2/NDF: 94.2/91

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1862.482+/-0.444 χ^2/NDF: 258585.6/18

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1879.709+/-0.408 χ^2/NDF: 407979.9/24

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

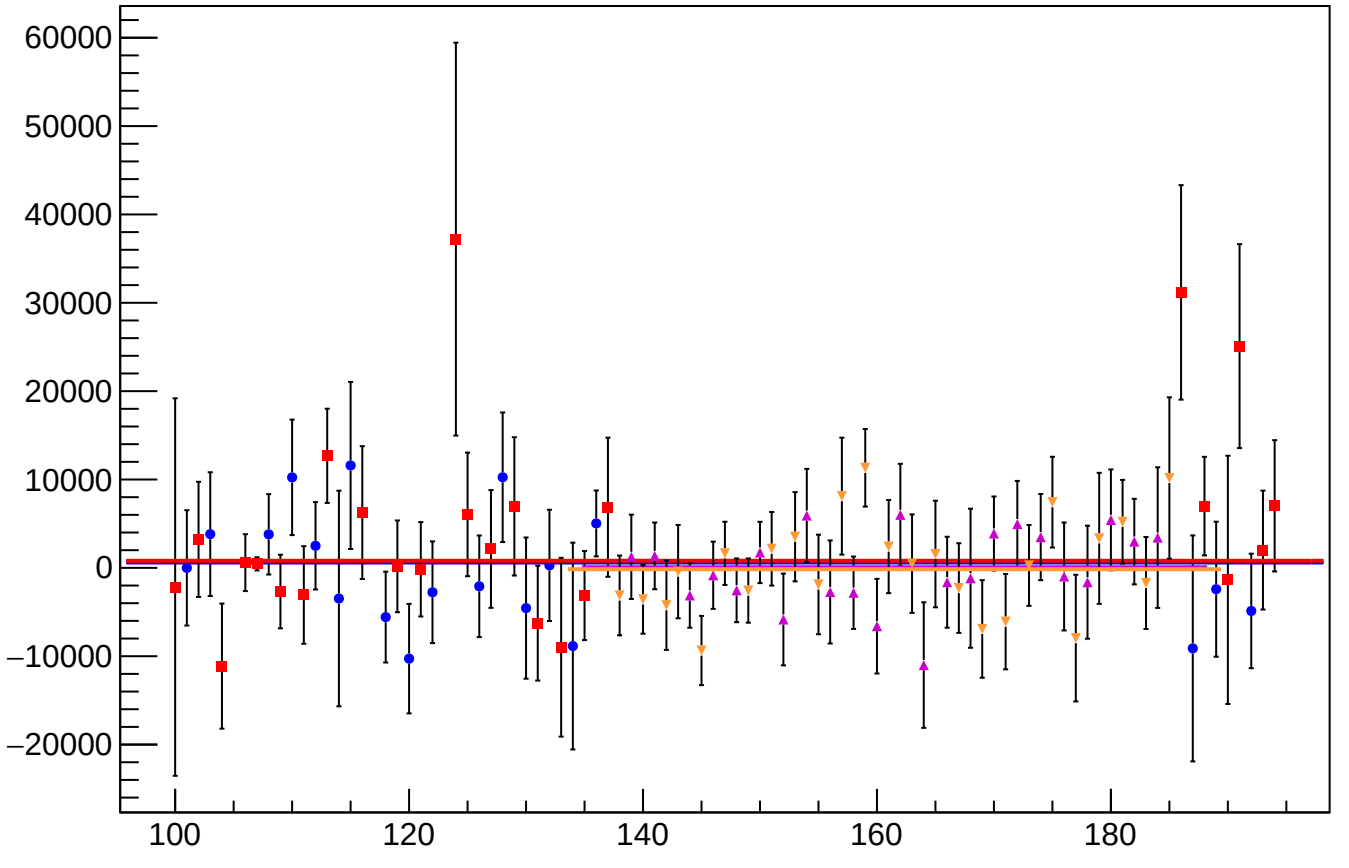
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1871.819+/-0.300 χ^2/NDF: 667382.3/43

In: 1769.080+/-0.240 χ^2/NDF:344337.4/41

Out: 1764.713+/-0.228 χ^2/NDF:618050.0/49

All: 1766.785+/-0.165 χ^2/NDF: 962561.0/91



Right In: 608.047+/-1436.872 χ^2/NDF: 15.2/18

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: 803.295+/-645.794 χ^2/NDF: 29.8/24

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

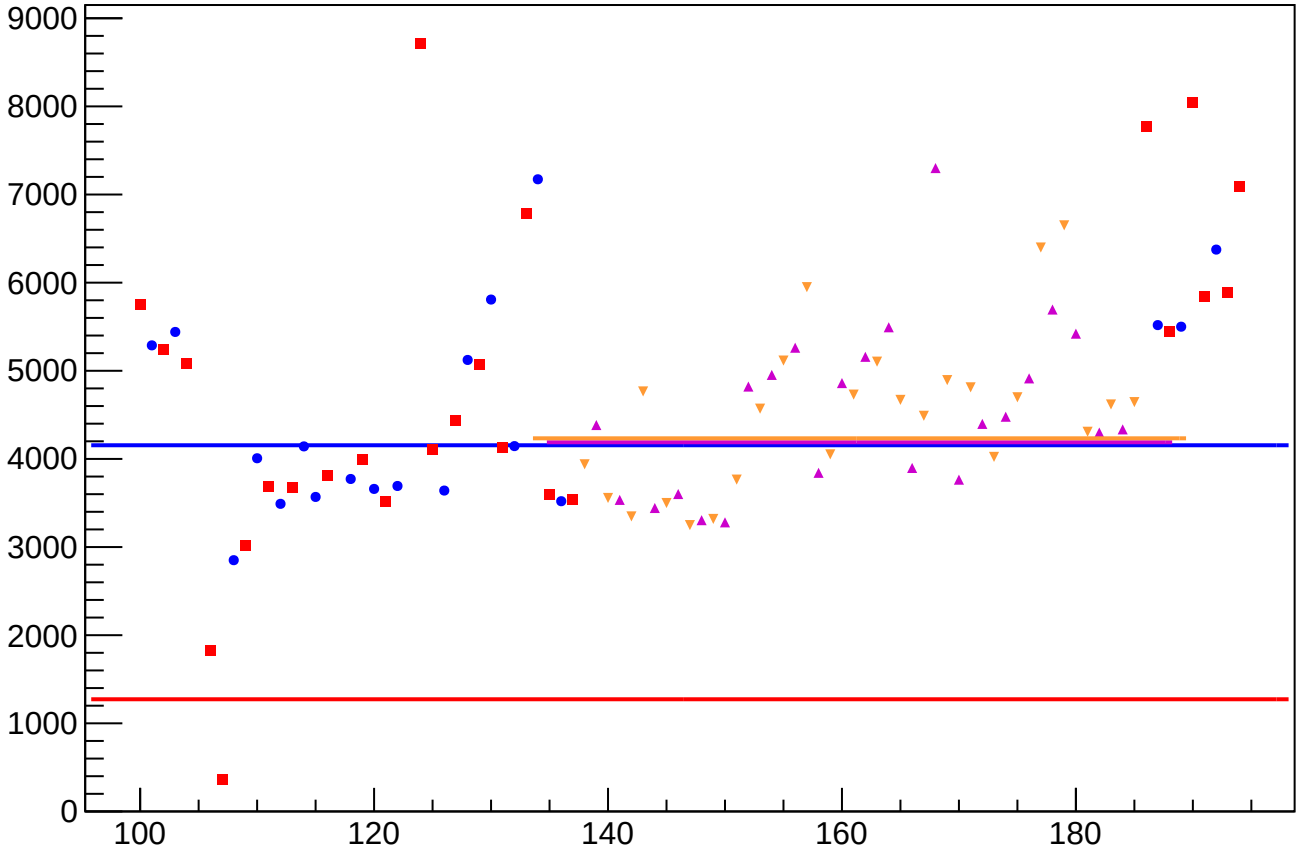
Right: 770.483+/-589.036 χ^2/NDF: 45.1/43

In: 242.339+/-820.847 χ^2/NDF:29.3/41

Out: 516.653+/-540.066 χ^2/NDF:57.4/49

All: 433.782+/-451.171 χ^2/NDF: 86.8/91

asym_atl1r2_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 4155.071+/-1.016 χ^2/NDF: 1020366.4/18

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1272.921+/-0.457 χ^2/NDF: 14376024.5/24

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

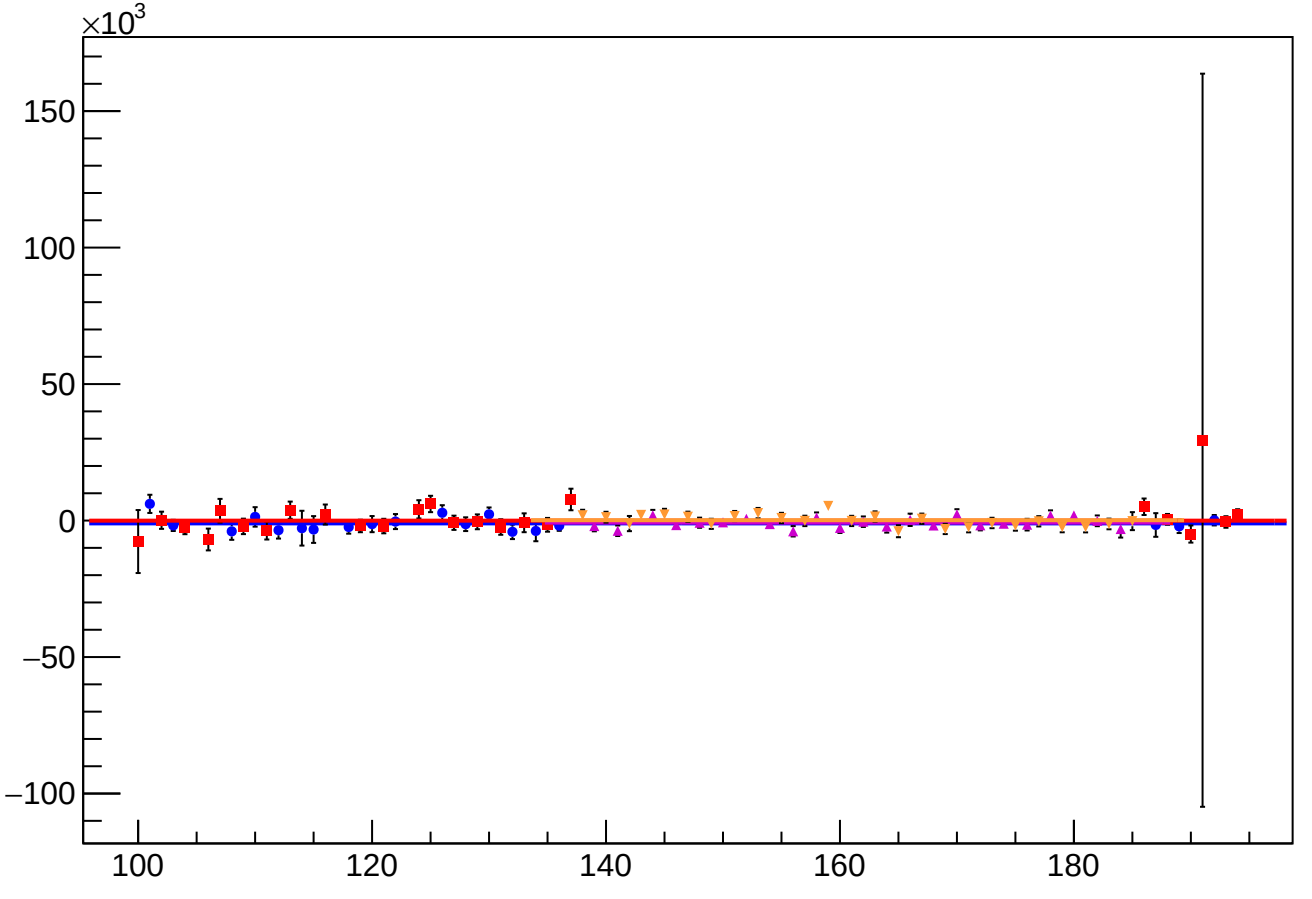
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 1757.276+/-0.417 χ^2/NDF: 22090959.7/43

In: 4177.842+/-0.580 χ^2/NDF:2365714.0/41

Out: 2163.087+/-0.382 χ^2/NDF:28300876.5/49

All: 2771.756+/-0.319 χ^2/NDF: 39075499.9/9



Right In: -1035.013+/-627.569 χ^2/NDF: 13.8/18

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: -33.776+/-577.252 χ^2/NDF: 27.8/24

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

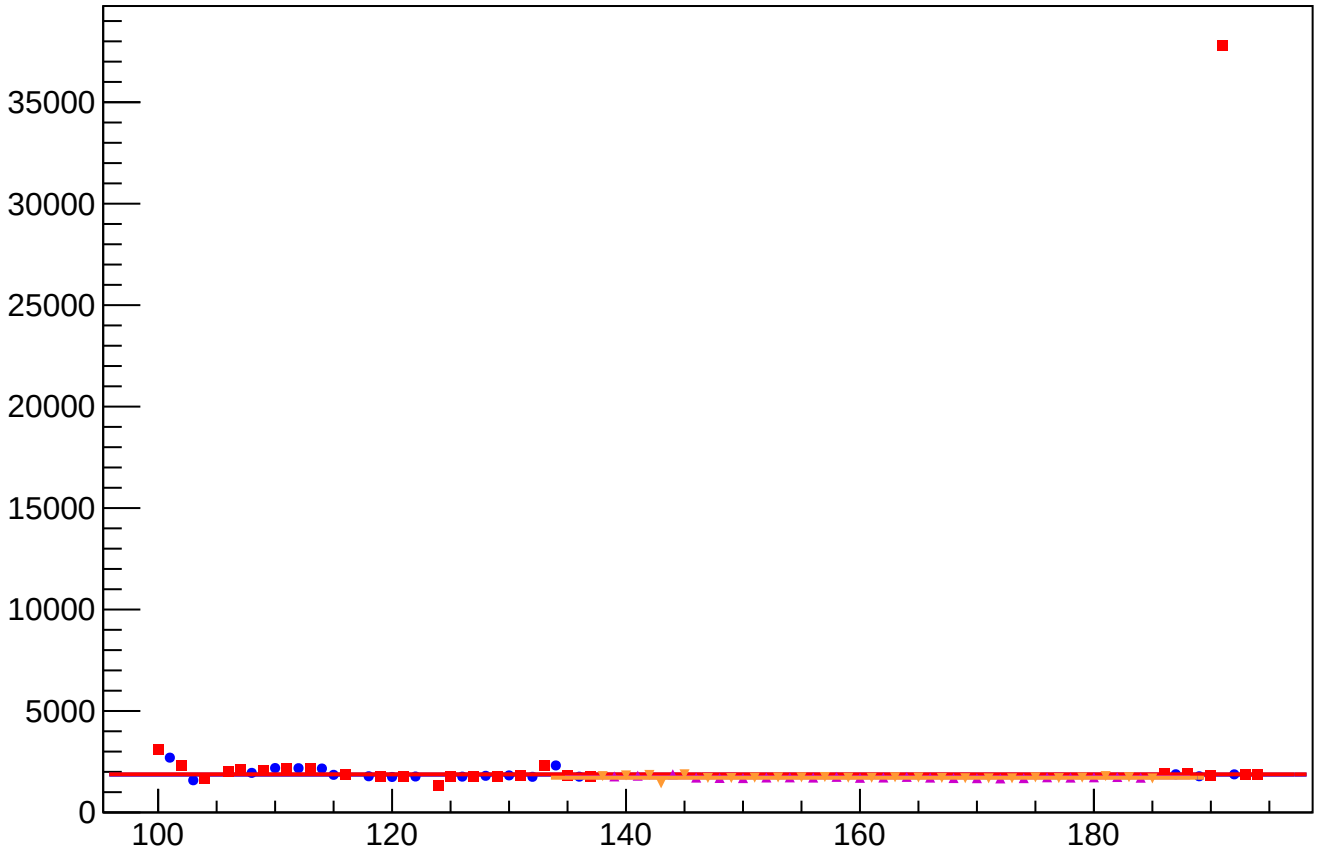
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -492.653+/-424.855 χ^2/NDF: 43.0/43

In: -827.327+/-339.793 χ^2/NDF:32.9/41

Out: 71.872+/-322.850 χ^2/NDF:57.6/49

All: -354.752+/-234.050 χ^2/NDF: 94.2/91



Right In: 1862.482+/-0.444 χ^2/NDF: 258585.5/18

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

Right Out: 1879.709+/-0.408 χ^2/NDF: 407980.3/24

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

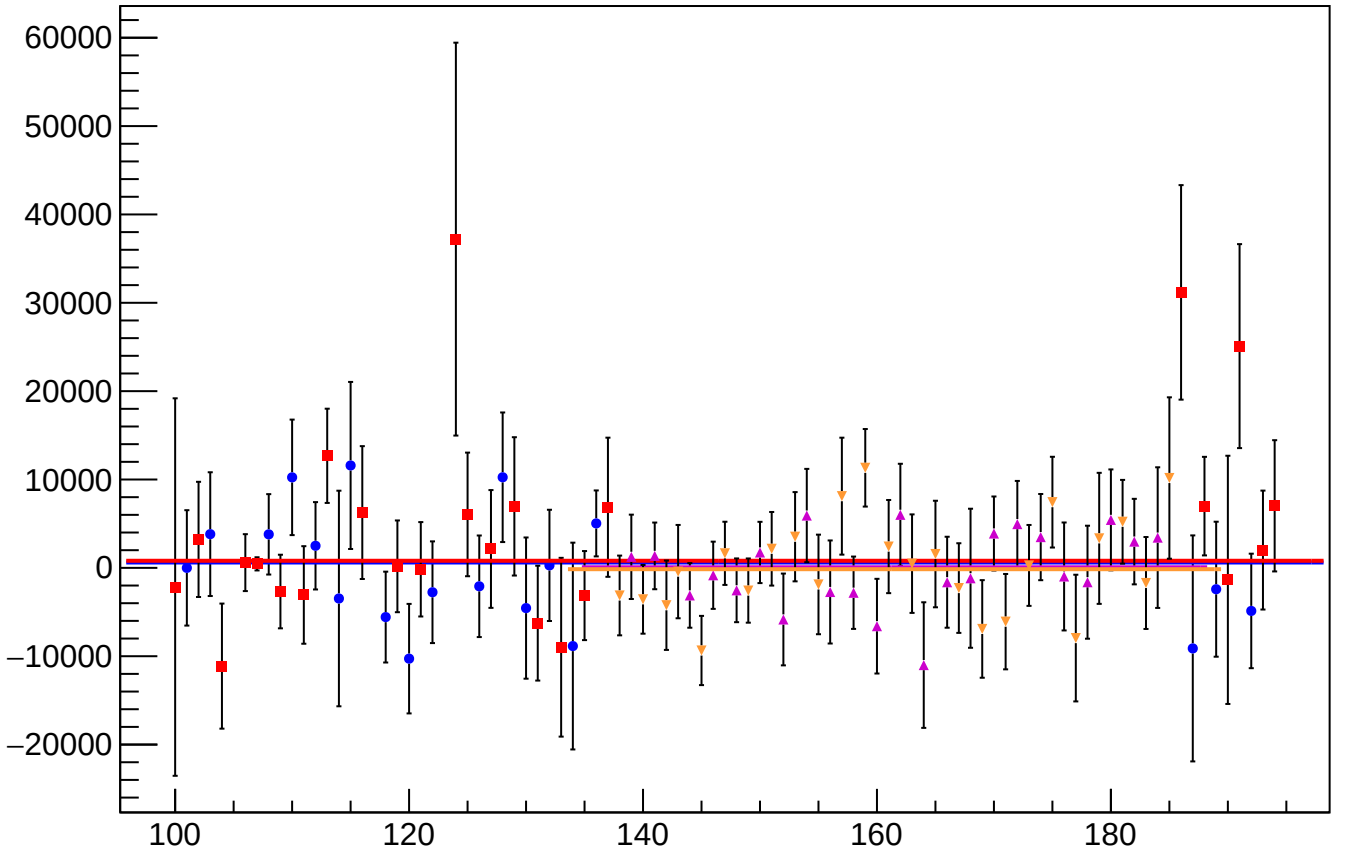
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

Right: 1871.819+/-0.300 χ^2/NDF: 667382.6/43

In: 1769.081+/-0.240 χ^2/NDF:344336.4/41

Out: 1764.714+/-0.228 χ^2/NDF:618048.5/49

All: 1766.785+/-0.165 χ^2/NDF: 962558.5/91



Right In: 608.030+/-1436.870 χ^2/NDF: 15.2/18

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: 803.312+/-645.804 χ^2/NDF: 29.8/24

Left In: 65.171+/-1000.108 χ^2/NDF:14.0/22

Left: -44.139+/-701.775 χ^2/NDF: 40.9/47

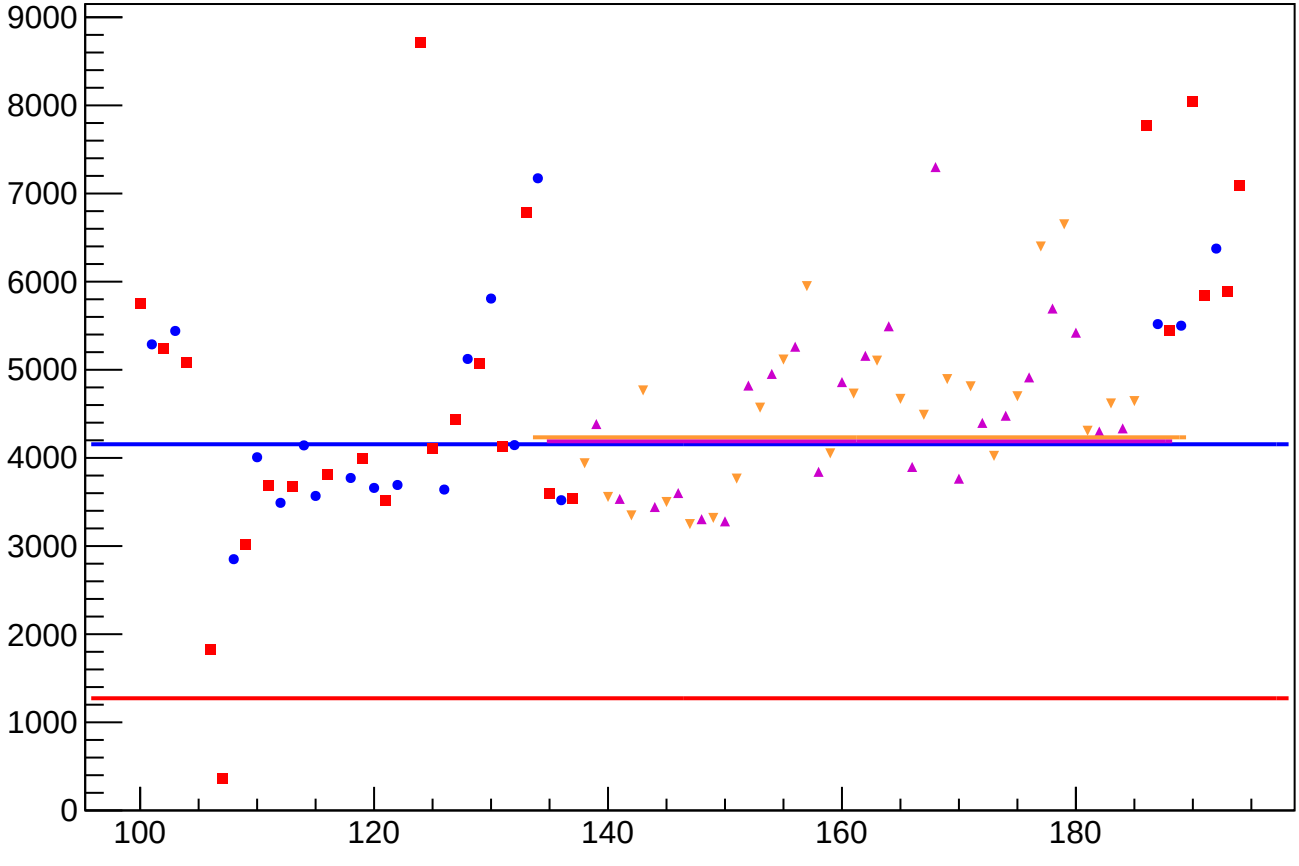
Right: 770.493+/-589.043 χ^2/NDF: 45.1/43

In: 242.336+/-820.847 χ^2/NDF:29.3/41

Out: 516.659+/-540.072 χ^2/NDF:57.4/49

All: 433.783+/-451.175 χ^2/NDF: 86.8/91

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4155.065+/-1.016 χ^2/NDF: 1020366.2/18

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1272.957+/-0.457 χ^2/NDF: 14375833.6/24

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

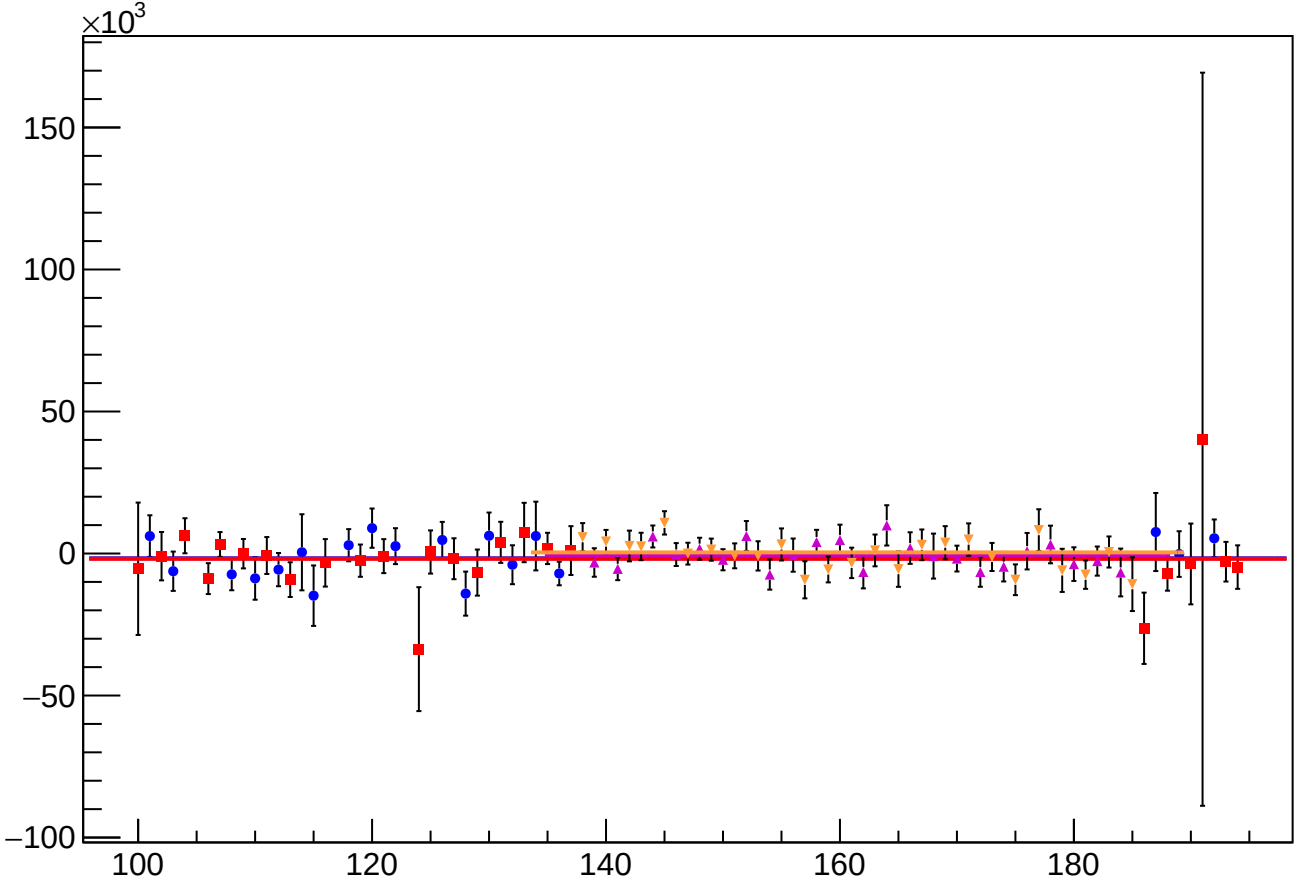
Right: 1757.319+/-0.417 χ^2/NDF: 22090555.4/43

In: 4177.844+/-0.580 χ^2/NDF:2365719.3/41

Out: 2163.132+/-0.382 χ^2/NDF:28300287.3/49

All: 2771.797+/-0.319 χ^2/NDF: 39074495.5/9

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1693.839+/-1589.407 χ^2/NDF: 17.3/18

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: -1852.107+/-1420.299 χ^2/NDF: 15.9/24

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

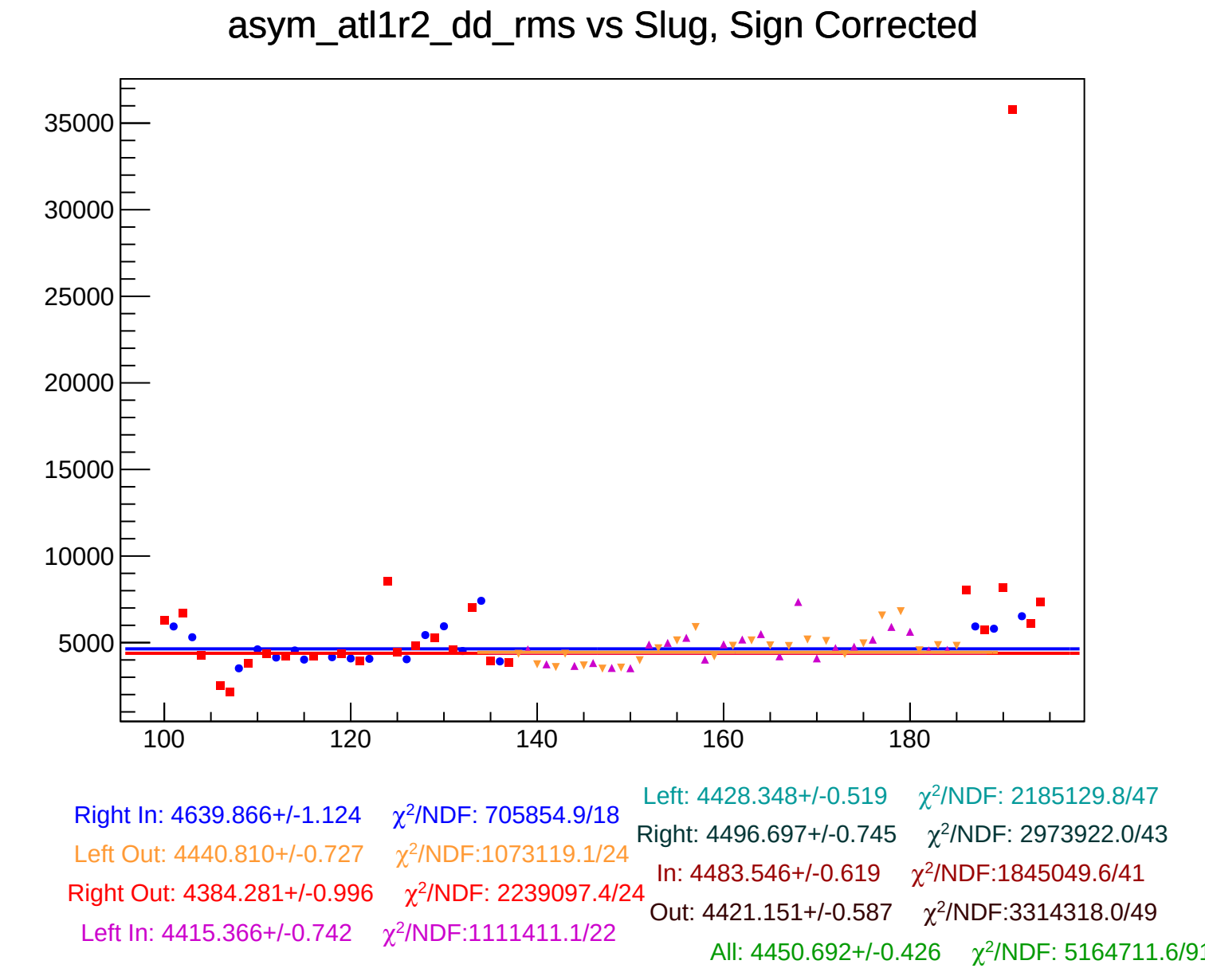
Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

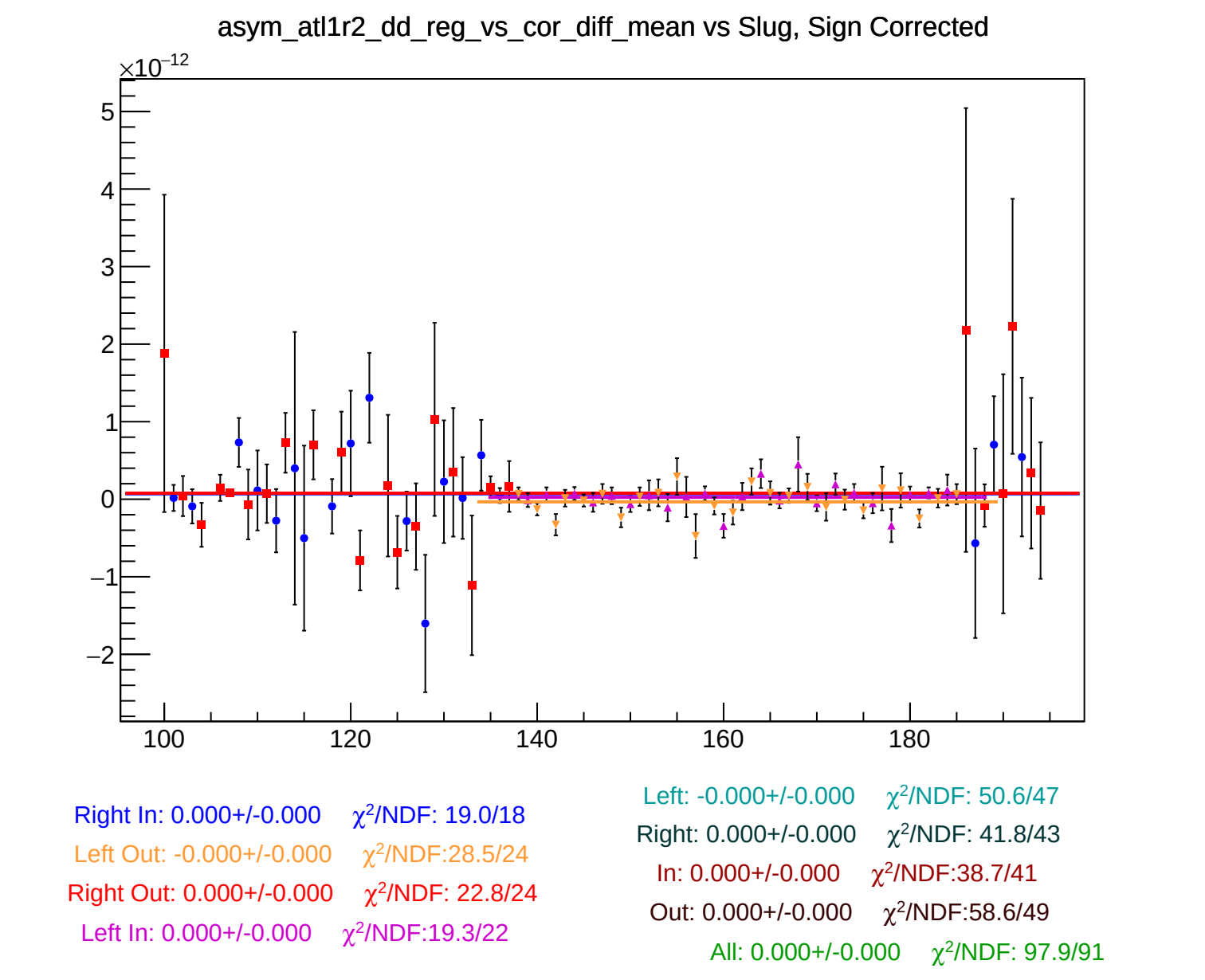
Right: -1781.838+/-1059.062 χ^2/NDF: 33.2/43

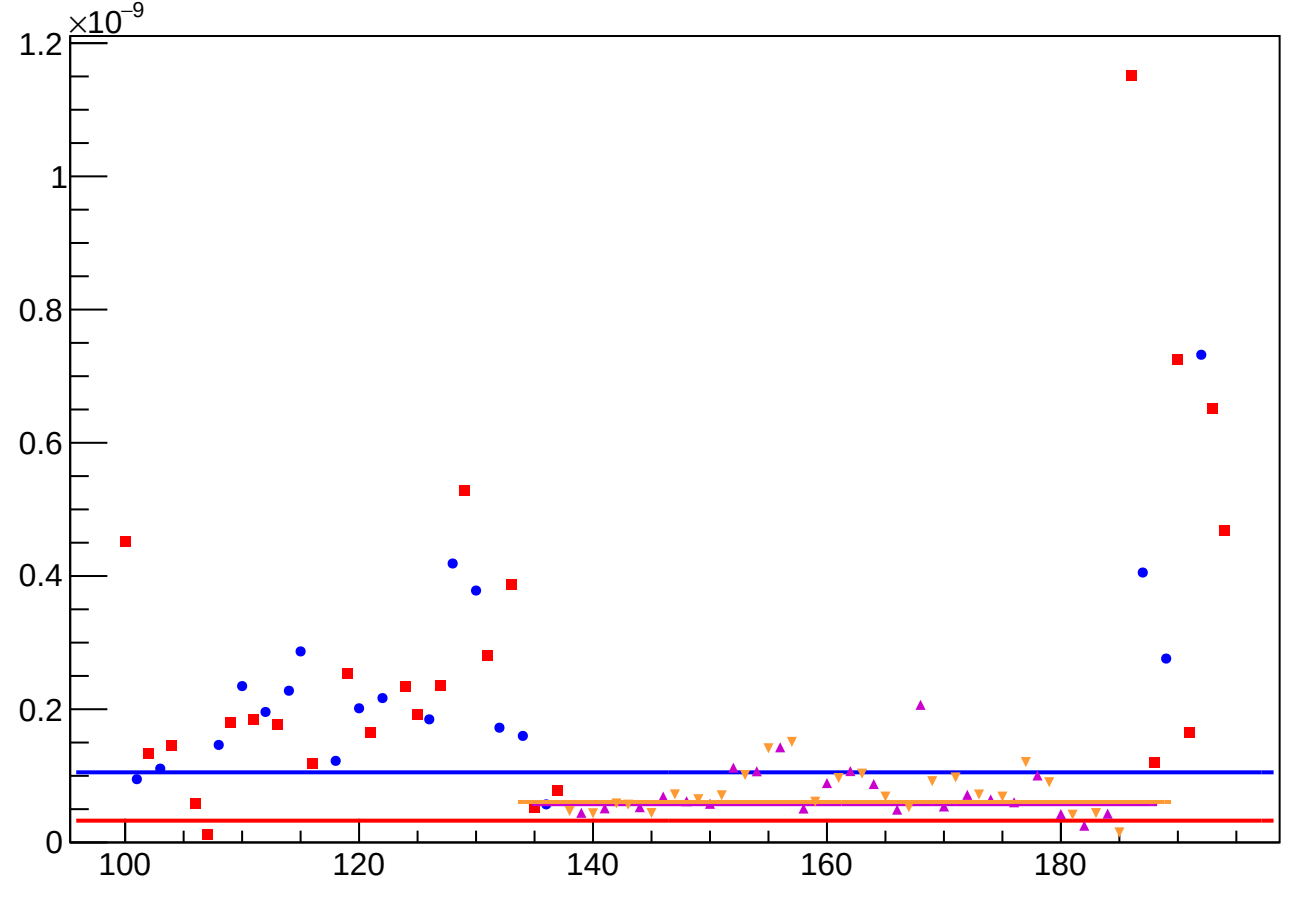
In: -864.655+/-875.904 χ^2/NDF:35.1/41

Out: -375.742+/-832.987 χ^2/NDF:42.3/49

All: -607.928+/-603.613 χ^2/NDF: 77.5/91


asym_atl1r2_dd_rms vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
100
120
140
160
180
Right In: 4639.866+/-1.124 χ²/NDF: 705854.9/18
Left Out: 4440.810+/-0.727 χ²/NDF:1073119.1/24
Right Out: 4384.281+/-0.996 χ²/NDF: 2239097.4/24
Left In: 4415.366+/-0.742 χ²/NDF:1111411.1/22
Left: 4428.348+/-0.519 χ²/NDF: 2185129.8/47
Right: 4496.697+/-0.745 χ²/NDF: 2973922.0/43
In: 4483.546+/-0.619 χ²/NDF:1845049.6/41
Out: 4421.151+/-0.587 χ²/NDF:3314318.0/49
All: 4450.692+/-0.426 χ²/NDF: 5164711.6/91


asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 19.0/18
Left Out: -0.000+/-0.000 χ²/NDF:28.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.8/24
Left In: 0.000+/-0.000 χ²/NDF:19.3/22
Left: -0.000+/-0.000 χ²/NDF: 50.6/47
Right: 0.000+/-0.000 χ²/NDF: 41.8/43
In: 0.000+/-0.000 χ²/NDF:38.7/41
Out: 0.000+/-0.000 χ²/NDF:58.6/49
All: 0.000+/-0.000 χ²/NDF: 97.9/91



Right In: 0.000+/-0.000 χ^2/NDF: 2597550.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6608202.0/24

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

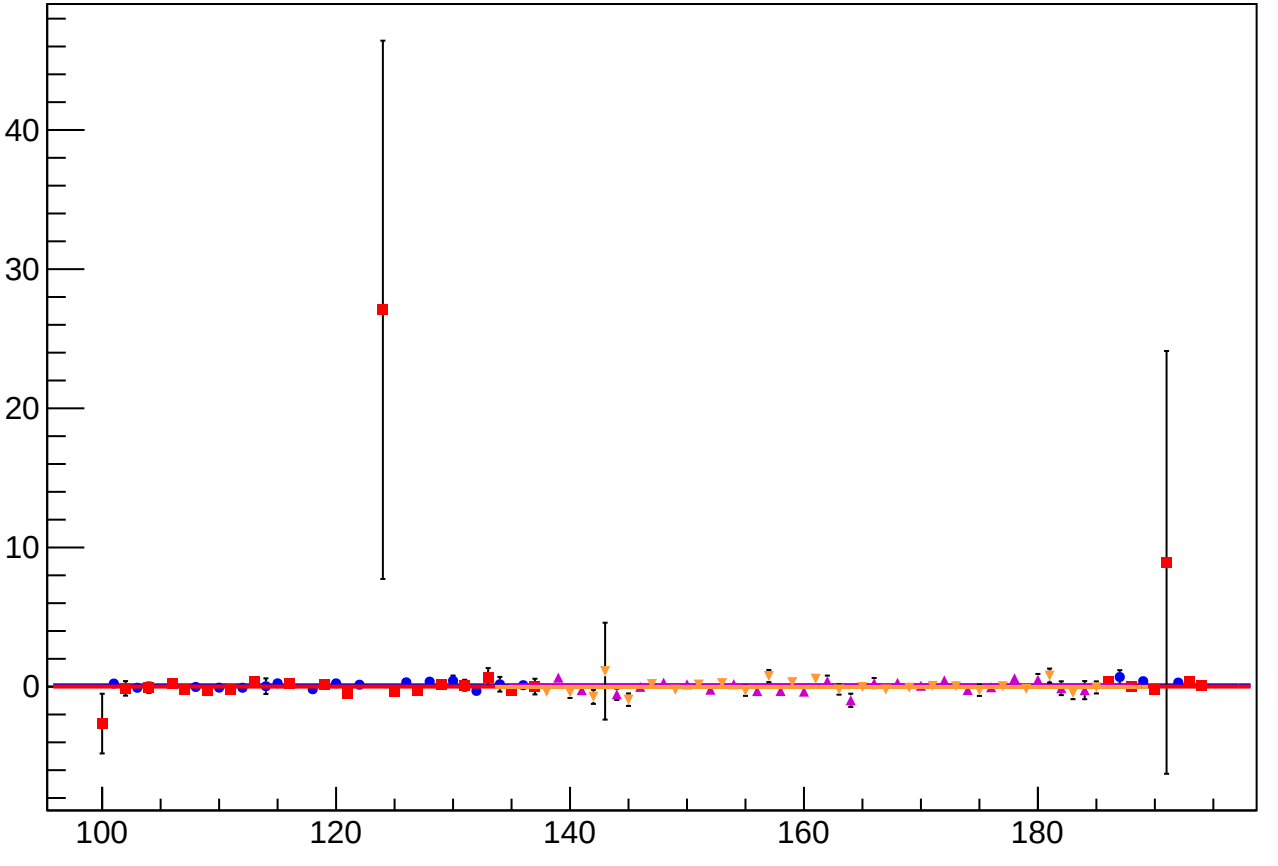
Right: 0.000+/-0.000 χ^2/NDF: 11073694.6/43

In: 0.000+/-0.000 χ^2/NDF:5364515.1/41

Out: 0.000+/-0.000 χ^2/NDF:9259529.3/49

All: 0.000+/-0.000 χ^2/NDF: 14953781.0/91

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.097+/-0.062 χ^2/NDF: 11.9/18

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.005+/-0.051 χ^2/NDF: 26.4/24

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

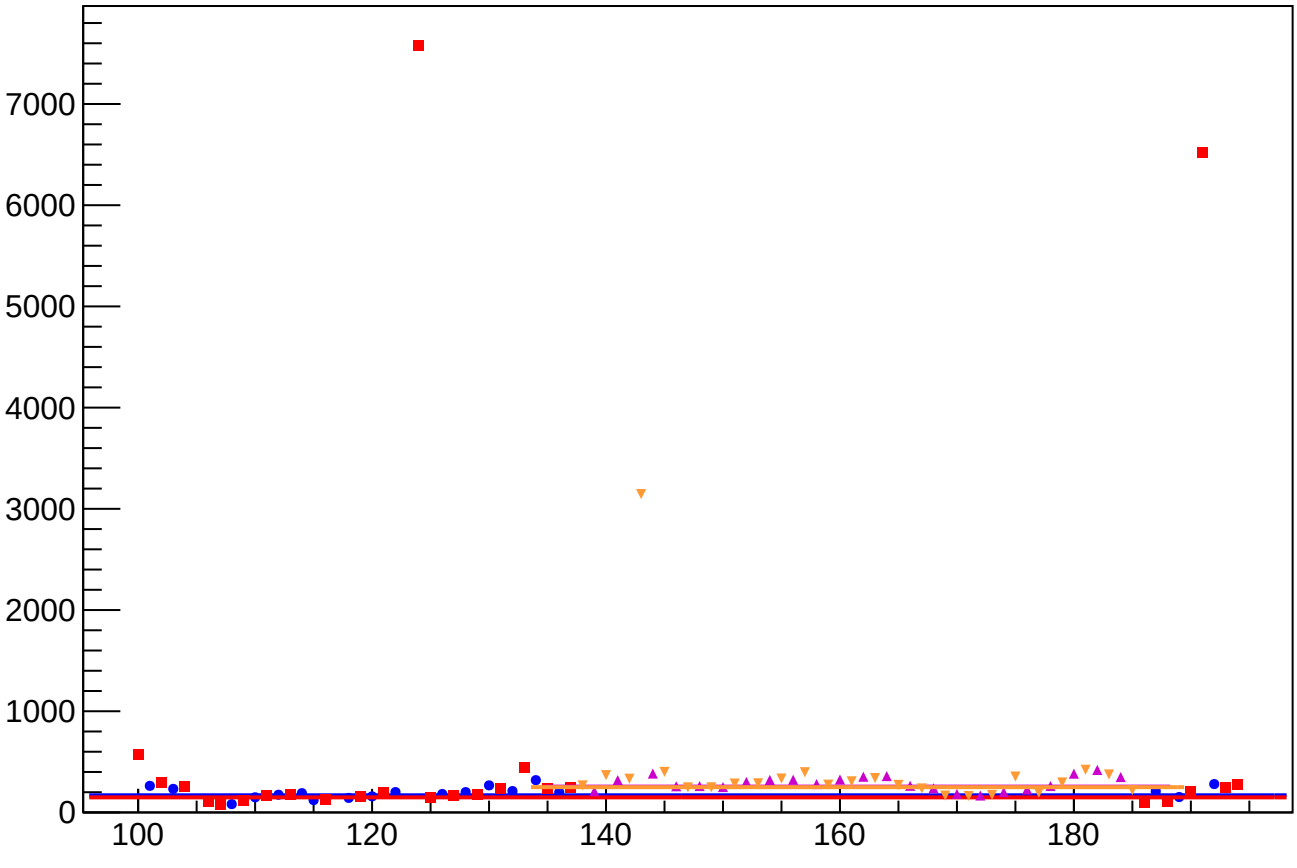
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.043+/-0.039 χ^2/NDF: 39.6/43

In: 0.096+/-0.044 χ^2/NDF:43.4/41

Out: -0.007+/-0.039 χ^2/NDF:50.1/49

All: 0.039+/-0.029 χ^2/NDF: 96.5/91



Right In: 169.647+/-0.044 χ^2/NDF: 1795681.5/18

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 149.006+/-0.036 χ^2/NDF: 3358412.7/24

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

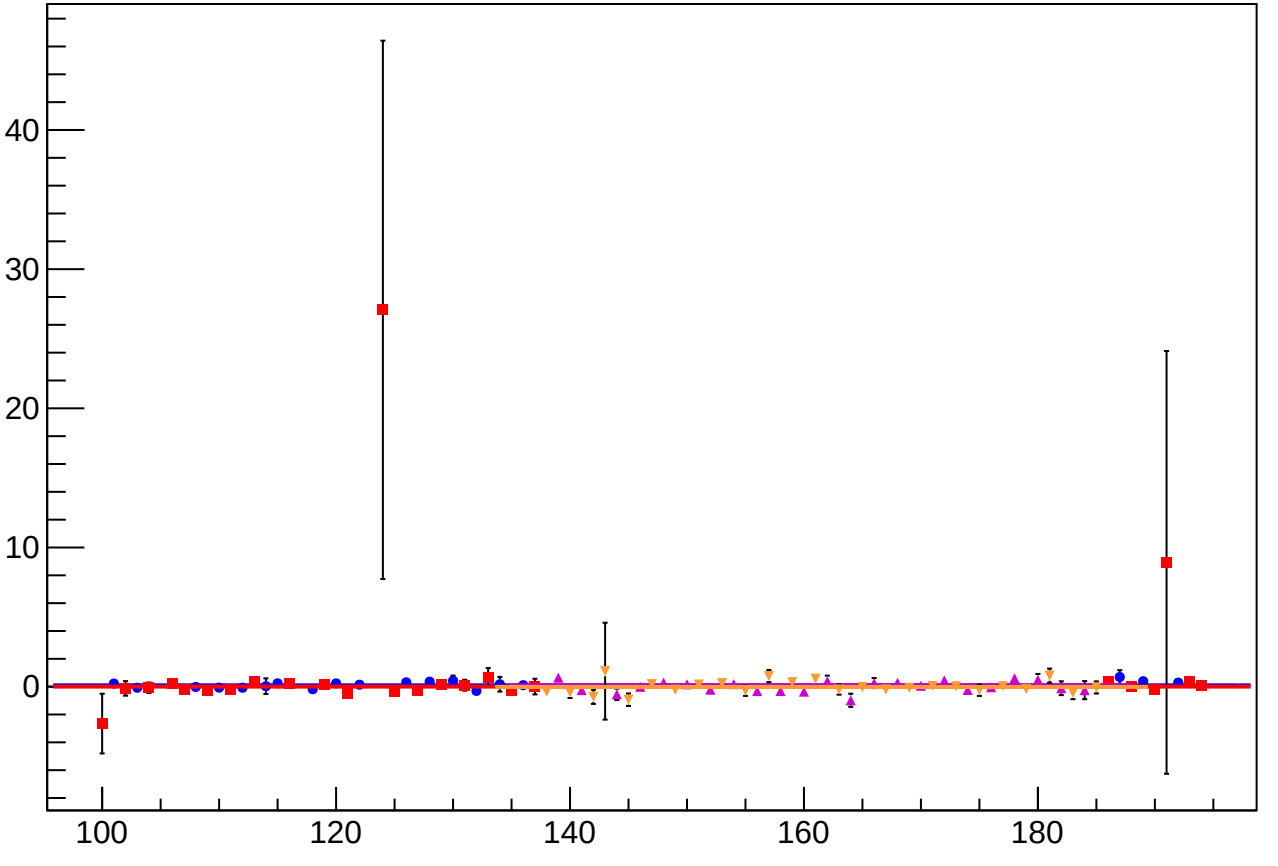
Right: 157.483+/-0.028 χ^2/NDF: 5286547.3/43

In: 211.489+/-0.031 χ^2/NDF:5798031.1/41

Out: 190.385+/-0.028 χ^2/NDF:10751526.0/49

All: 199.787+/-0.021 χ^2/NDF: 16804297.5/91

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.097+/-0.062 χ^2/NDF: 11.9/18

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.005+/-0.051 χ^2/NDF: 26.4/24

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

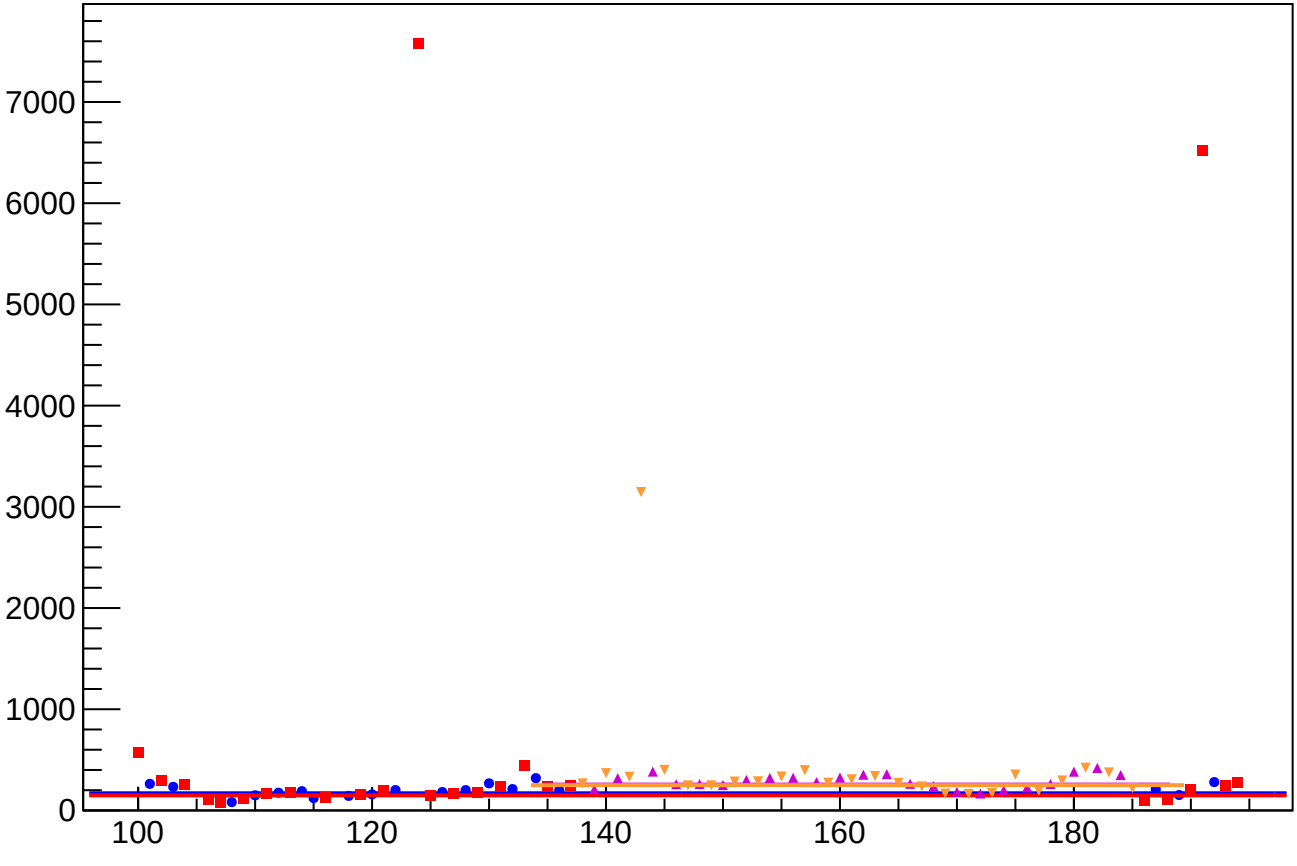
Right: 0.043+/-0.039 χ^2/NDF: 39.6/43

In: 0.096+/-0.044 χ^2/NDF:43.4/41

Out: -0.007+/-0.039 χ^2/NDF:50.1/49

All: 0.039+/-0.029 χ^2/NDF: 96.5/91

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 169.647+/-0.044 χ^2/NDF: 1795681.5/18

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 149.006+/-0.036 χ^2/NDF: 3358412.7/24

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

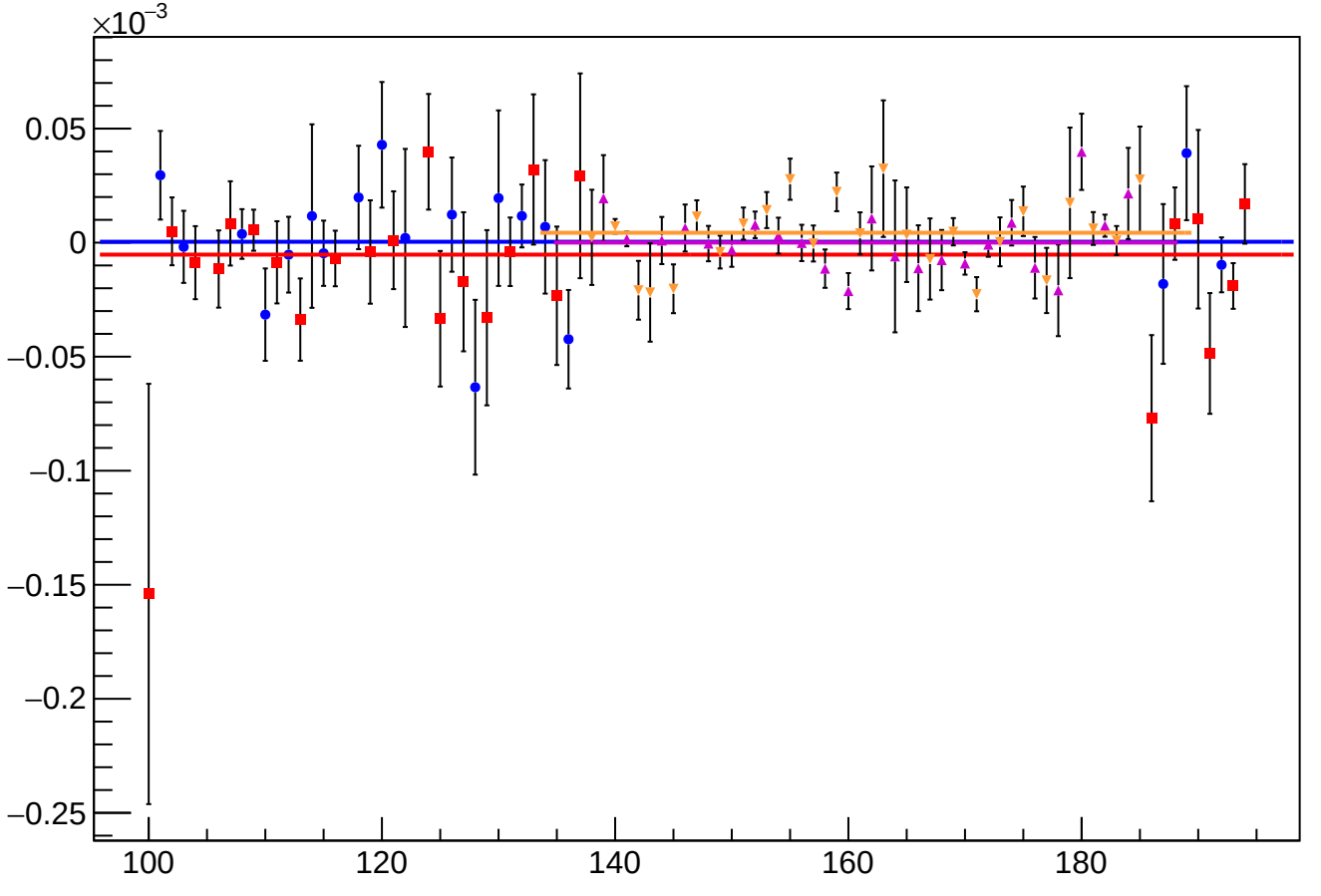
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 157.483+/-0.028 χ^2/NDF: 5286547.3/43

In: 211.489+/-0.031 χ^2/NDF:5798031.1/41

Out: 190.385+/-0.028 χ^2/NDF:10751526.0/49

All: 199.787+/-0.021 χ^2/NDF: 16804297.5/91



Right In: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/24

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

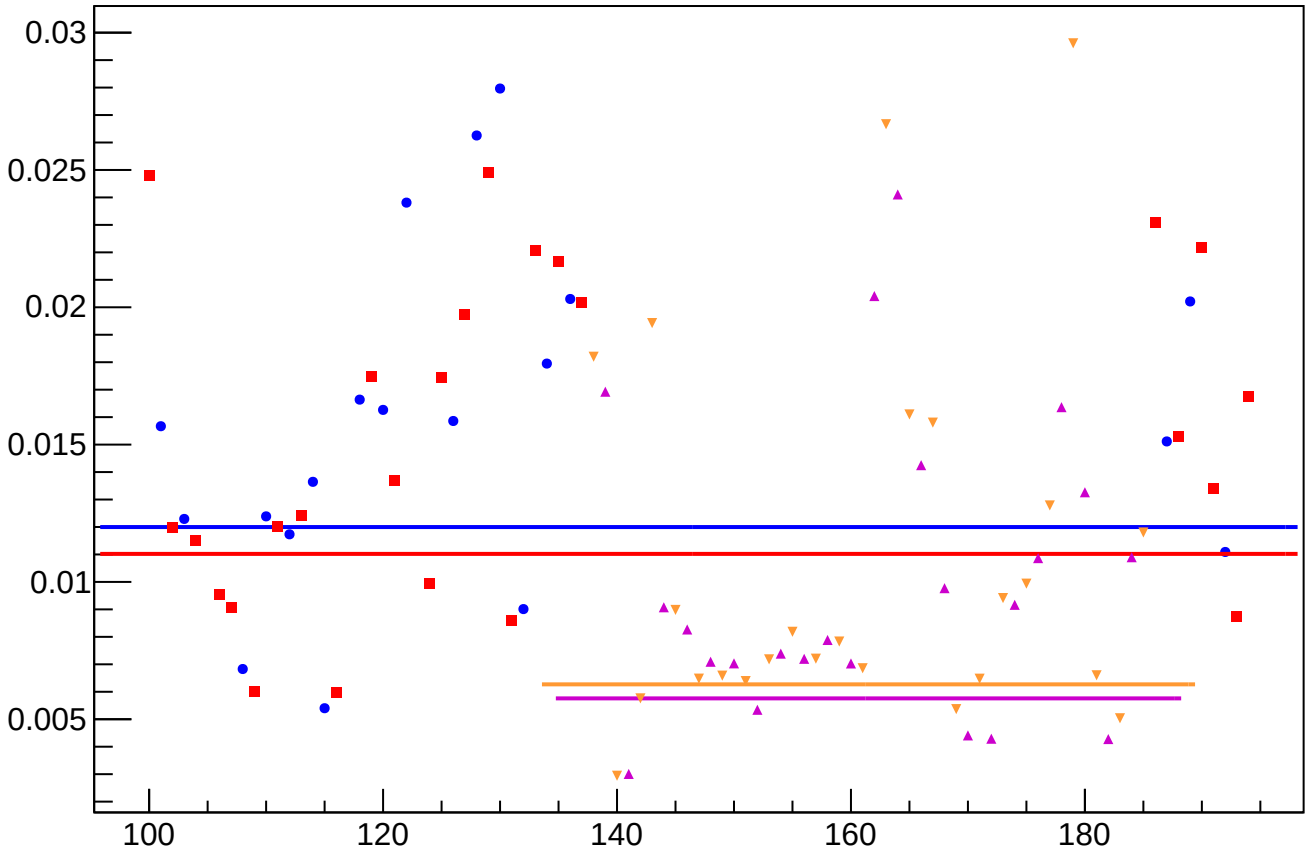
Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

Right: -0.000+/-0.000 χ^2/NDF: 45.7/43

In: 0.000+/-0.000 χ^2/NDF:47.9/41

Out: 0.000+/-0.000 χ^2/NDF:77.6/49

All: 0.000+/-0.000 χ^2/NDF: 127.1/91



Right In: 0.012+/-0.000 χ^2/NDF: 2592403.4/18

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.011+/-0.000 χ^2/NDF: 3256043.7/24

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

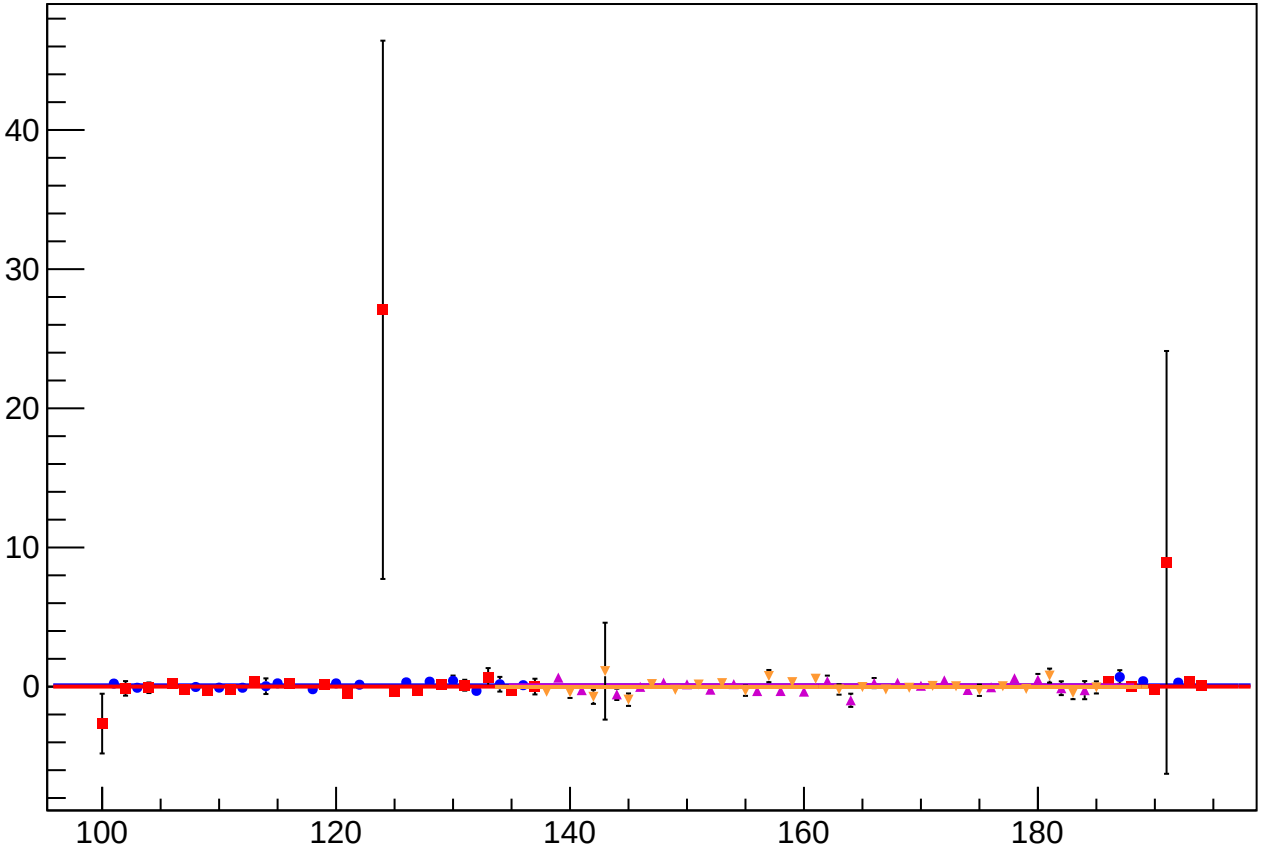
Right: 0.011+/-0.000 χ^2/NDF: 5906649.6/43

In: 0.006+/-0.000 χ^2/NDF:13193468.3/41

Out: 0.007+/-0.000 χ^2/NDF:13999546.4/49

All: 0.007+/-0.000 χ^2/NDF: 27364181.8/91

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.097+/-0.062 χ^2/NDF: 11.9/18

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.005+/-0.051 χ^2/NDF: 26.4/24

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

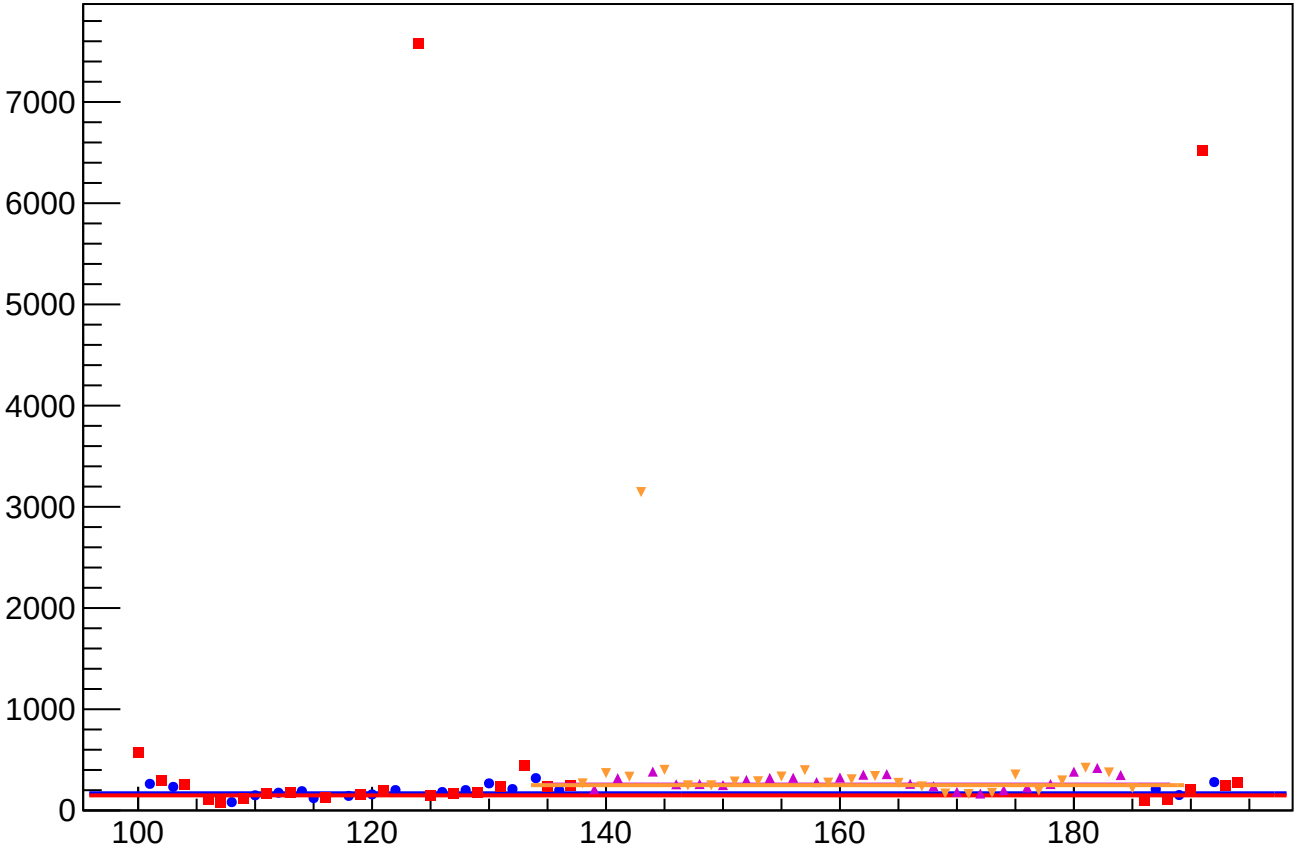
Right: 0.043+/-0.039 χ^2/NDF: 39.6/43

In: 0.096+/-0.044 χ^2/NDF:43.4/41

Out: -0.007+/-0.039 χ^2/NDF:50.1/49

All: 0.039+/-0.029 χ^2/NDF: 96.5/91

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 169.645+/-0.044 χ^2/NDF: 1795676.0/18

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 149.008+/-0.036 χ^2/NDF: 3358293.2/24

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

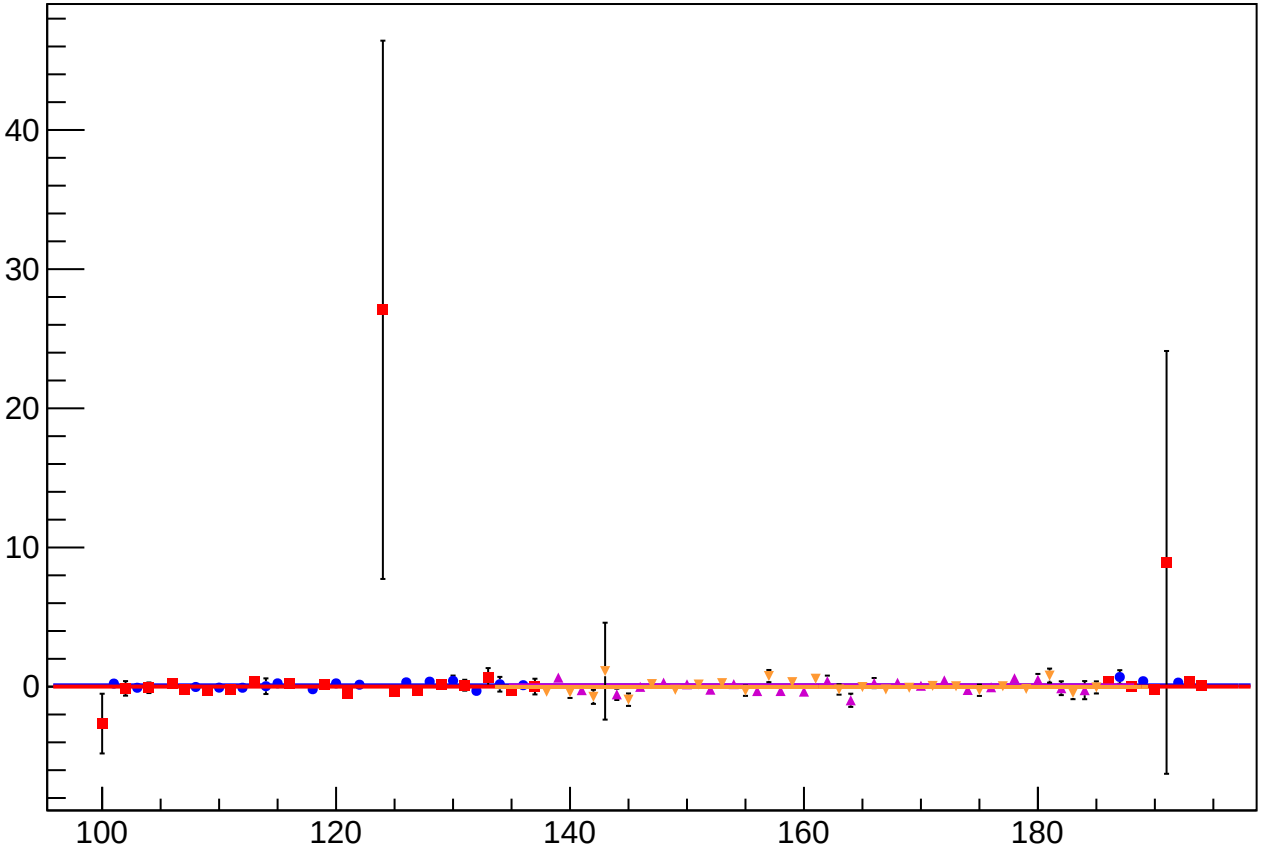
Right: 157.484+/-0.028 χ^2/NDF: 5286369.1/43

In: 211.489+/-0.031 χ^2/NDF:5798254.7/41

Out: 190.387+/-0.028 χ^2/NDF:10751409.0/49

All: 199.788+/-0.021 χ^2/NDF: 16804332.0/91

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.097+/-0.062 χ^2/NDF: 11.9/18

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.005+/-0.051 χ^2/NDF: 26.4/24

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

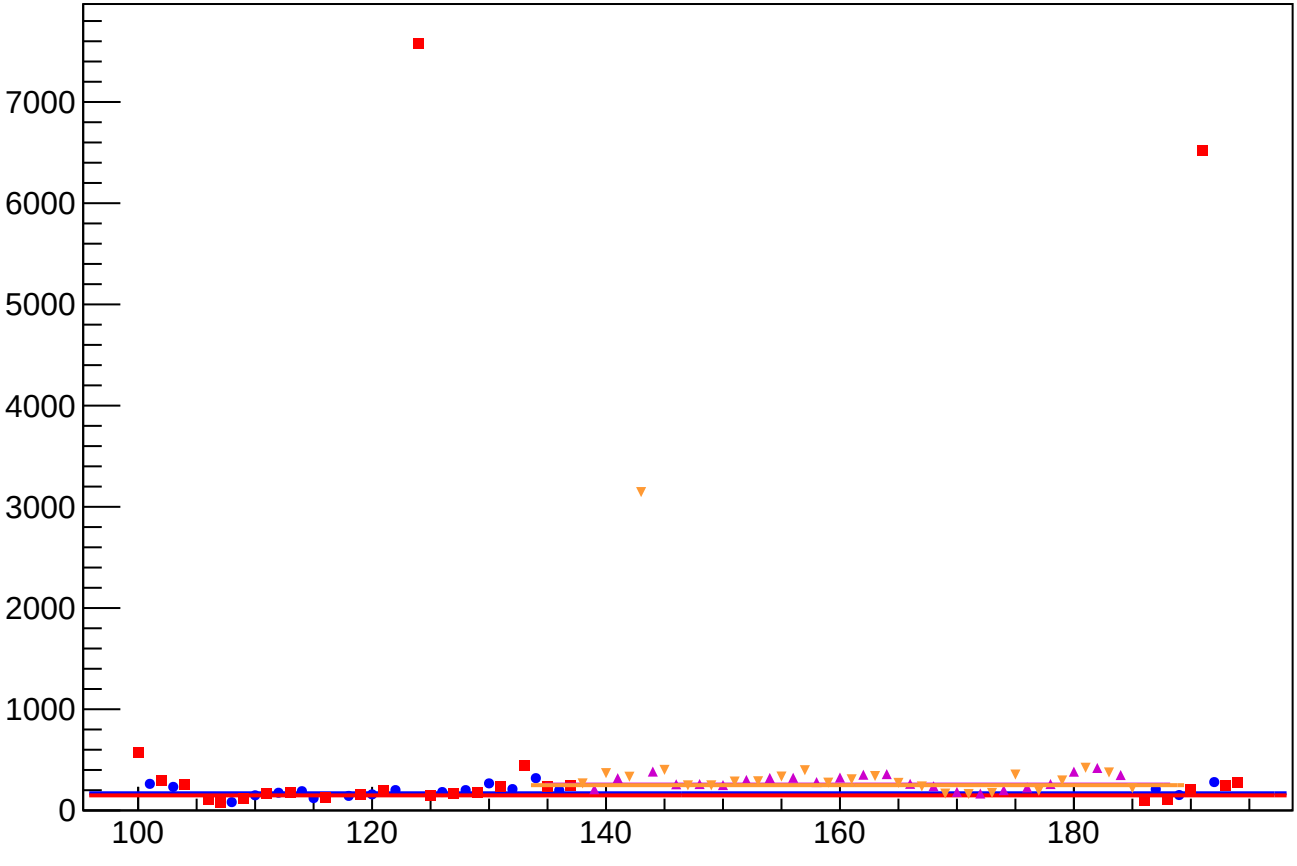
Right: 0.043+/-0.039 χ^2/NDF: 39.6/43

In: 0.096+/-0.044 χ^2/NDF:43.4/41

Out: -0.007+/-0.039 χ^2/NDF:50.1/49

All: 0.039+/-0.029 χ^2/NDF: 96.5/91

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 169.645+/-0.044 χ^2/NDF: 1795676.0/18

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 149.008+/-0.036 χ^2/NDF: 3358293.2/24

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

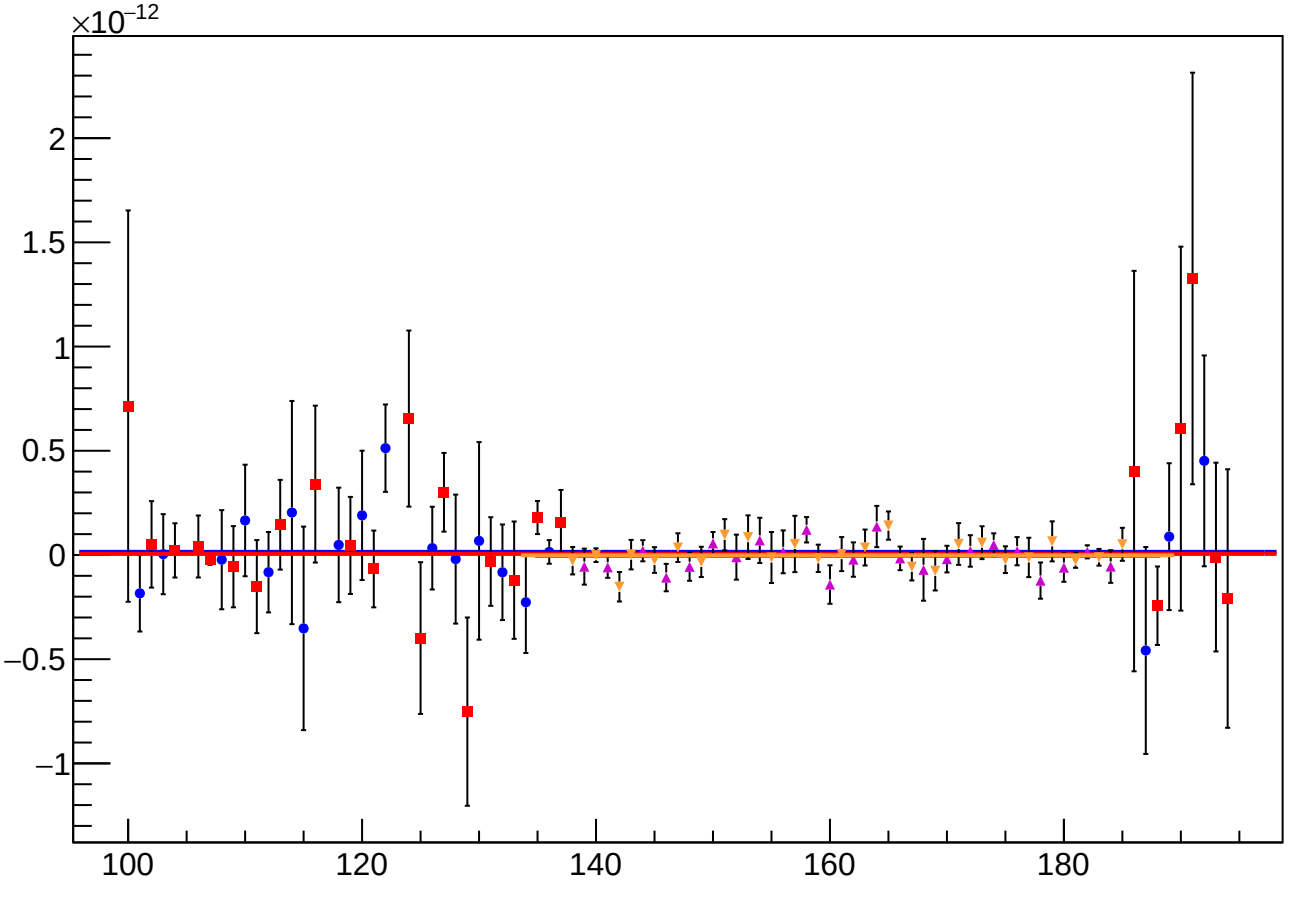
Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

Right: 157.484+/-0.028 χ^2/NDF: 5286369.1/43

In: 211.489+/-0.031 χ^2/NDF:5798254.7/41

Out: 190.387+/-0.028 χ^2/NDF:10751409.0/49

All: 199.788+/-0.021 χ^2/NDF: 16804332.0/91



Right In: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/24

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

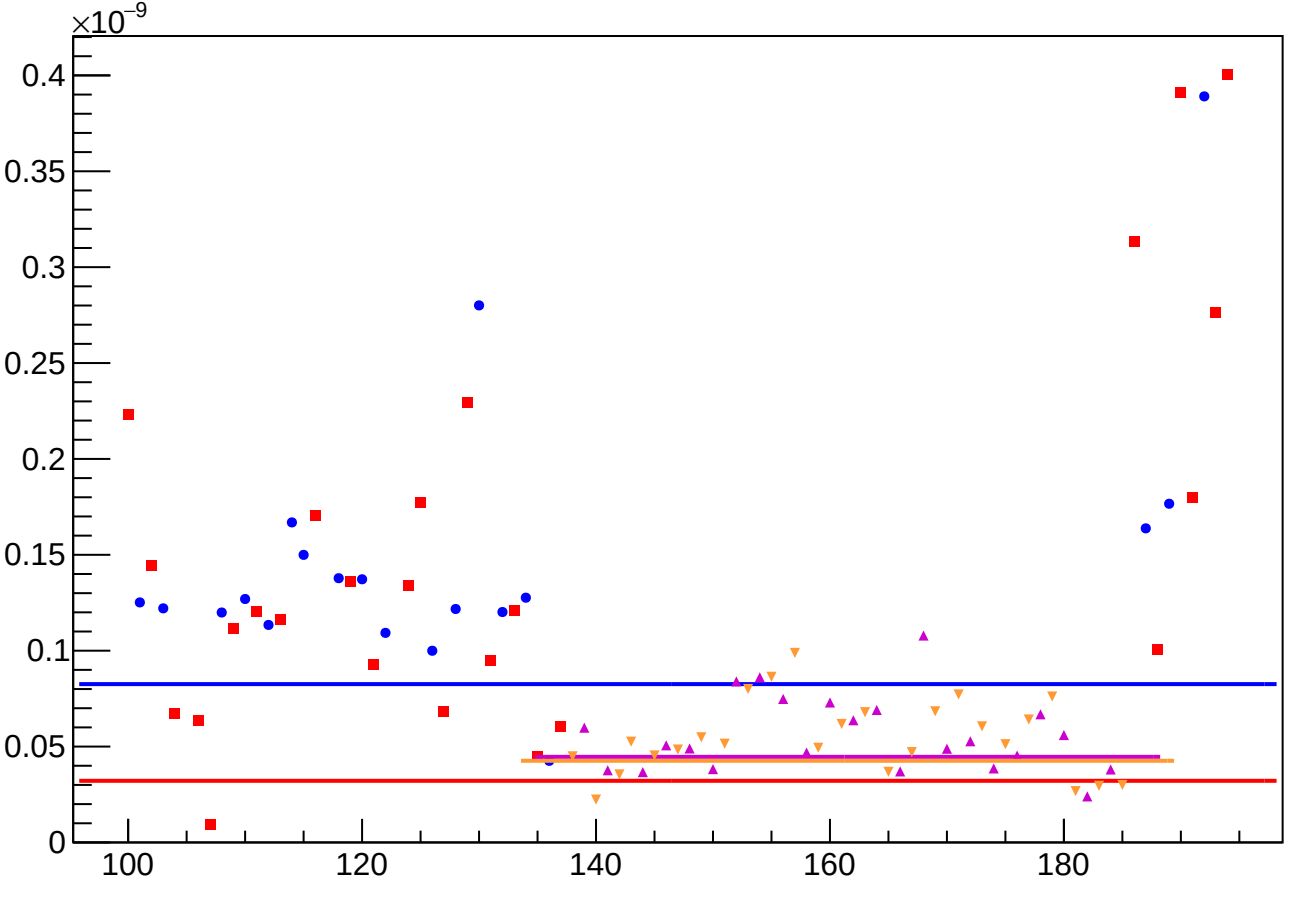
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

Right: 0.000+/-0.000 χ^2/NDF: 34.0/43

In: -0.000+/-0.000 χ^2/NDF:31.4/41

Out: 0.000+/-0.000 χ^2/NDF:39.1/49

All: -0.000+/-0.000 χ^2/NDF: 70.5/91



Right In: 0.000+/-0.000 χ^2/NDF: 3052380.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7618957.9/24

Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

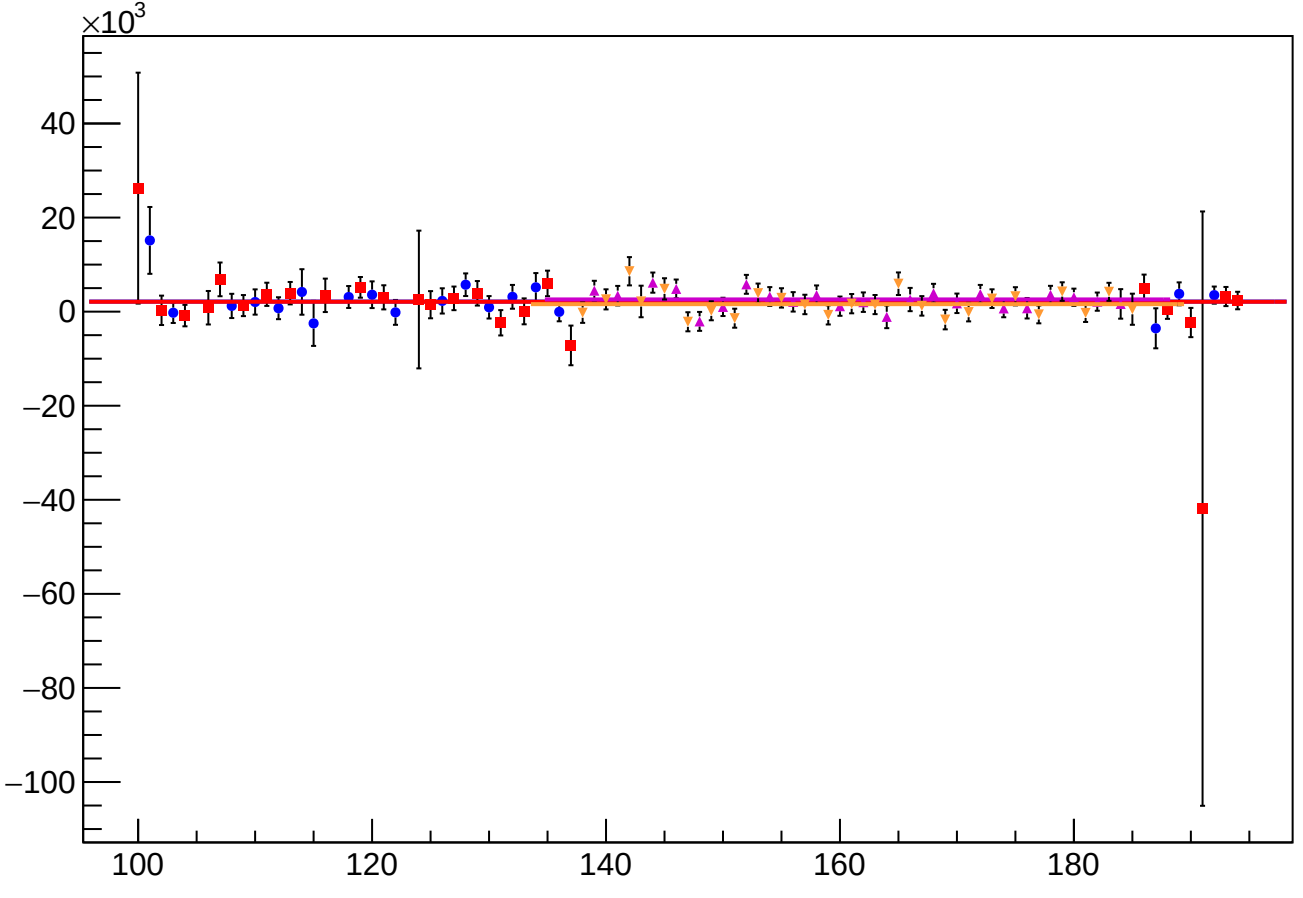
Left: 0.000+/-0.000 χ^2/NDF: 6543796.8/47

Right: 0.000+/-0.000 χ^2/NDF: 12917460.5/43

In: 0.000+/-0.000 χ^2/NDF:7412868.9/41

Out: 0.000+/-0.000 χ^2/NDF:11586896.6/49

All: 0.000+/-0.000 χ^2/NDF: 19461276.6/91



Right In: 2144.394+/-600.945 χ^2/NDF: 15.0/18

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: 2104.930+/-547.965 χ^2/NDF: 23.4/24

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

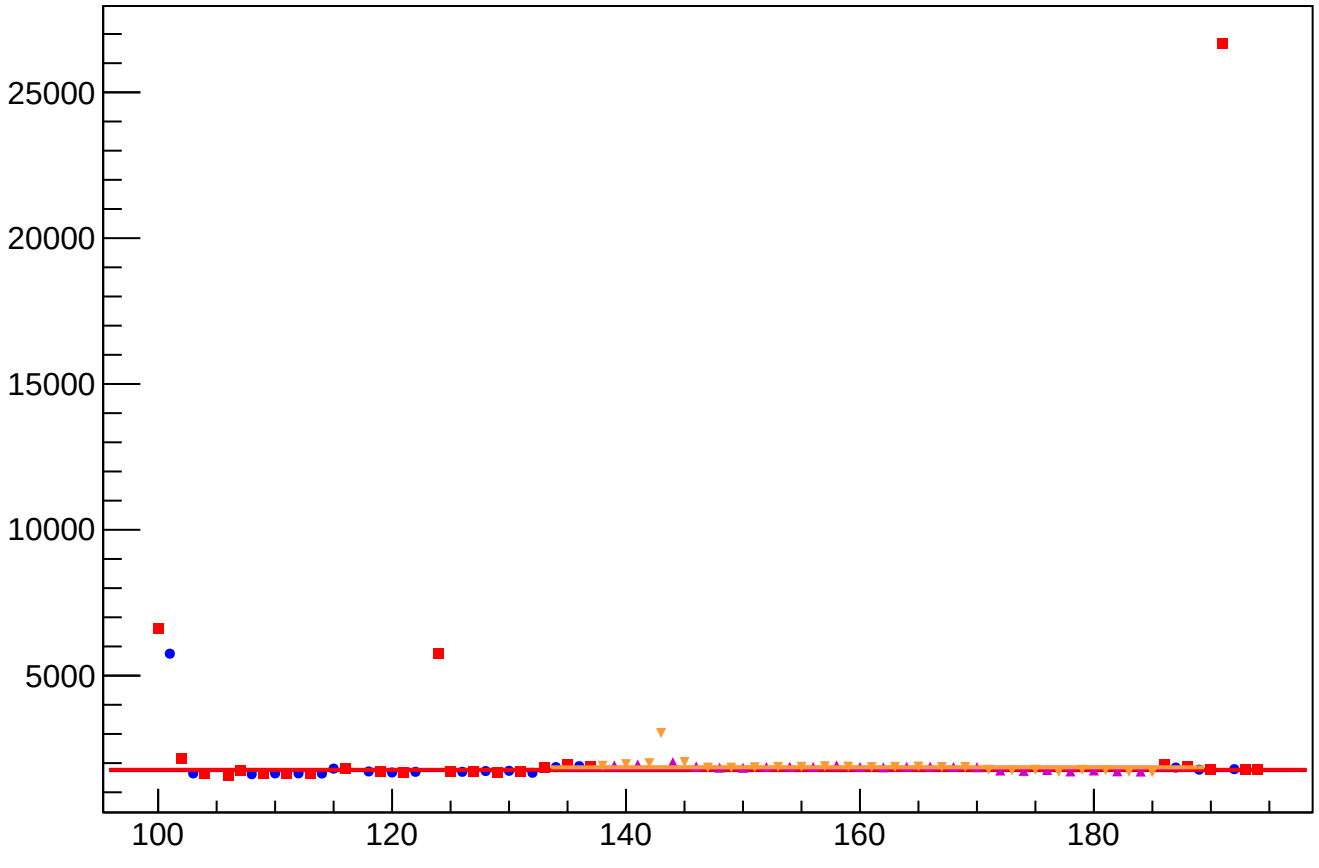
Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

Right: 2122.846+/-404.907 χ^2/NDF: 38.4/43

In: 2444.088+/-349.856 χ^2/NDF:35.5/41

Out: 1783.985+/-334.988 χ^2/NDF:55.2/49

All: 2099.713+/-241.958 χ^2/NDF: 92.5/91



Right In: 1759.415+/-0.425 χ^2/NDF: 672533.0/18

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1770.732+/-0.385 χ^2/NDF: 638480.9/24

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

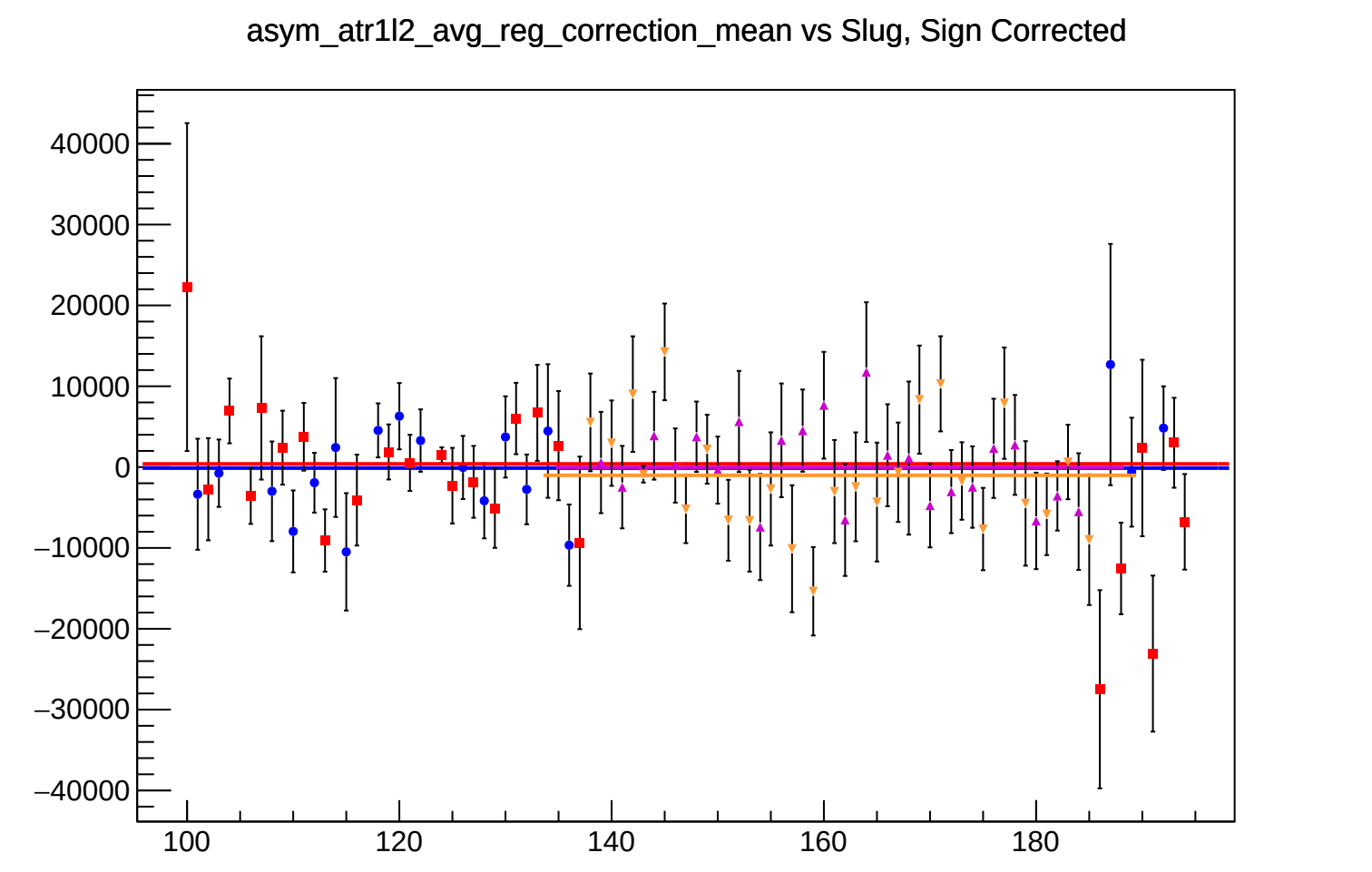
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1765.623+/-0.286 χ^2/NDF: 1311403.0/43

In: 1813.336+/-0.247 χ^2/NDF:767876.3/41

Out: 1823.652+/-0.236 χ^2/NDF:992959.8/49

All: 1818.728+/-0.171 χ^2/NDF: 1761745.1/91



Right In: -125.579+/-1125.923 χ^2/NDF: 17.7/18

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: 394.977+/-704.212 χ^2/NDF: 38.6/24

Left In: -62.369+/-1173.429 χ^2/NDF:13.0/22

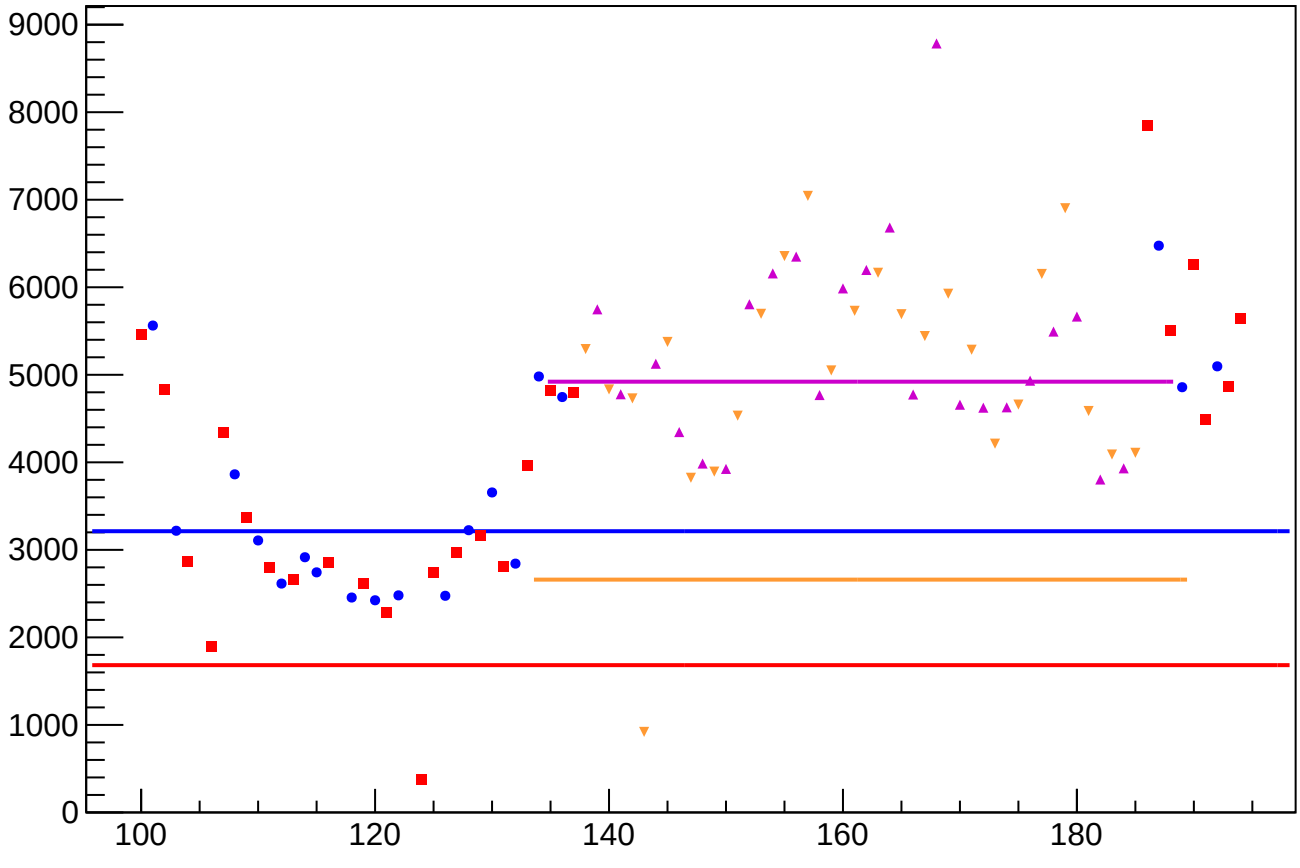
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: 248.601+/-597.049 χ^2/NDF: 56.4/43

In: -95.280+/-812.423 χ^2/NDF:30.7/41

Out: -247.322+/-520.215 χ^2/NDF:74.1/49

All: -203.110+/-438.097 χ^2/NDF: 104.9/91



Right In: 3213.066+/-0.796 χ^2/NDF: 1427502.0/18

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 1682.872+/-0.498 χ^2/NDF: 10487336.8/24

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

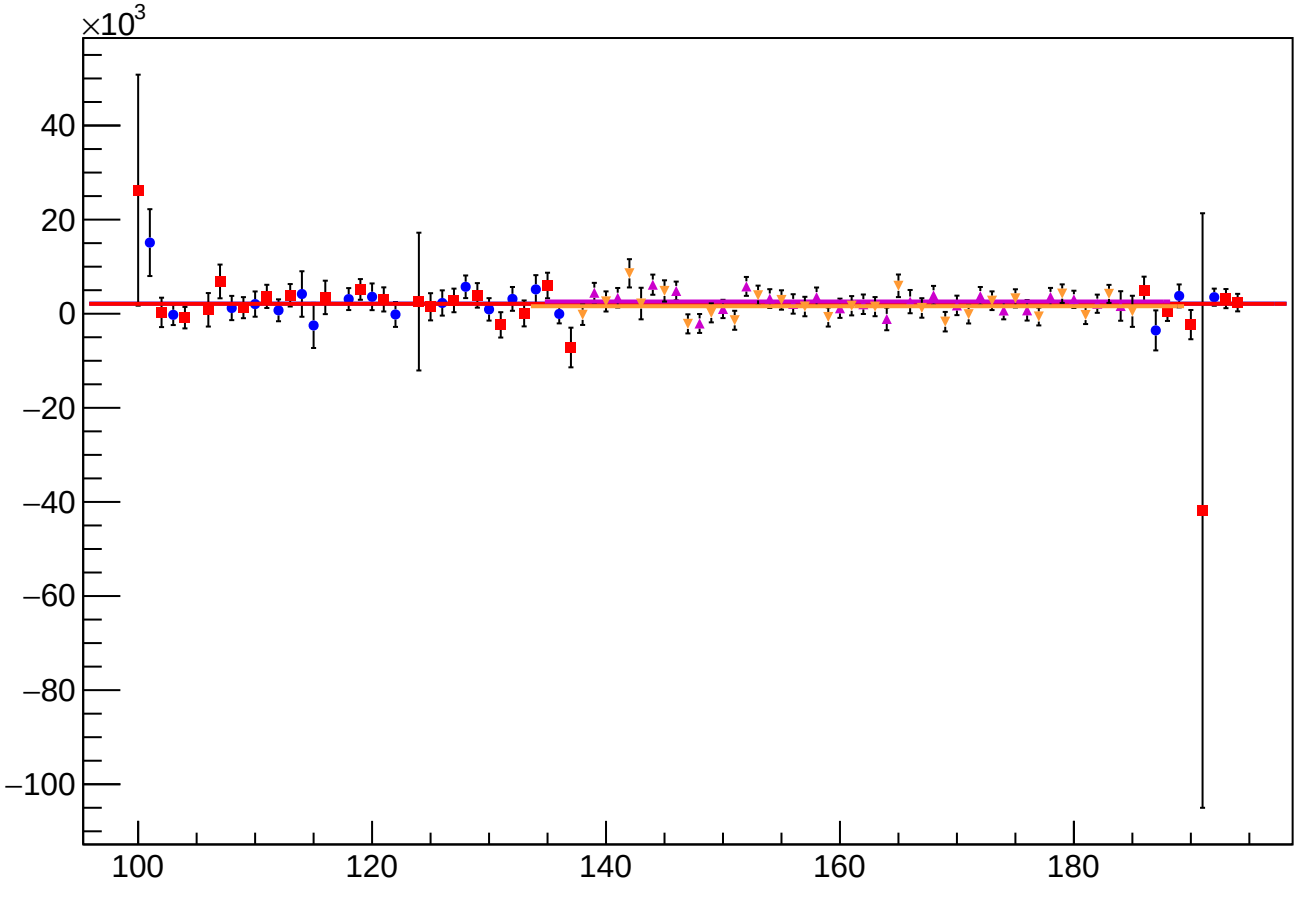
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 2113.150+/-0.422 χ^2/NDF: 14570173.5/43

In: 4031.913+/-0.574 χ^2/NDF:4885449.2/41

Out: 2126.780+/-0.368 χ^2/NDF:26772742.8/49

All: 2680.770+/-0.310 χ^2/NDF: 39458148.6/9



Right In: 2144.121+/-600.945 χ^2/NDF: 15.0/18

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2104.959+/-547.965 χ^2/NDF: 23.4/24

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

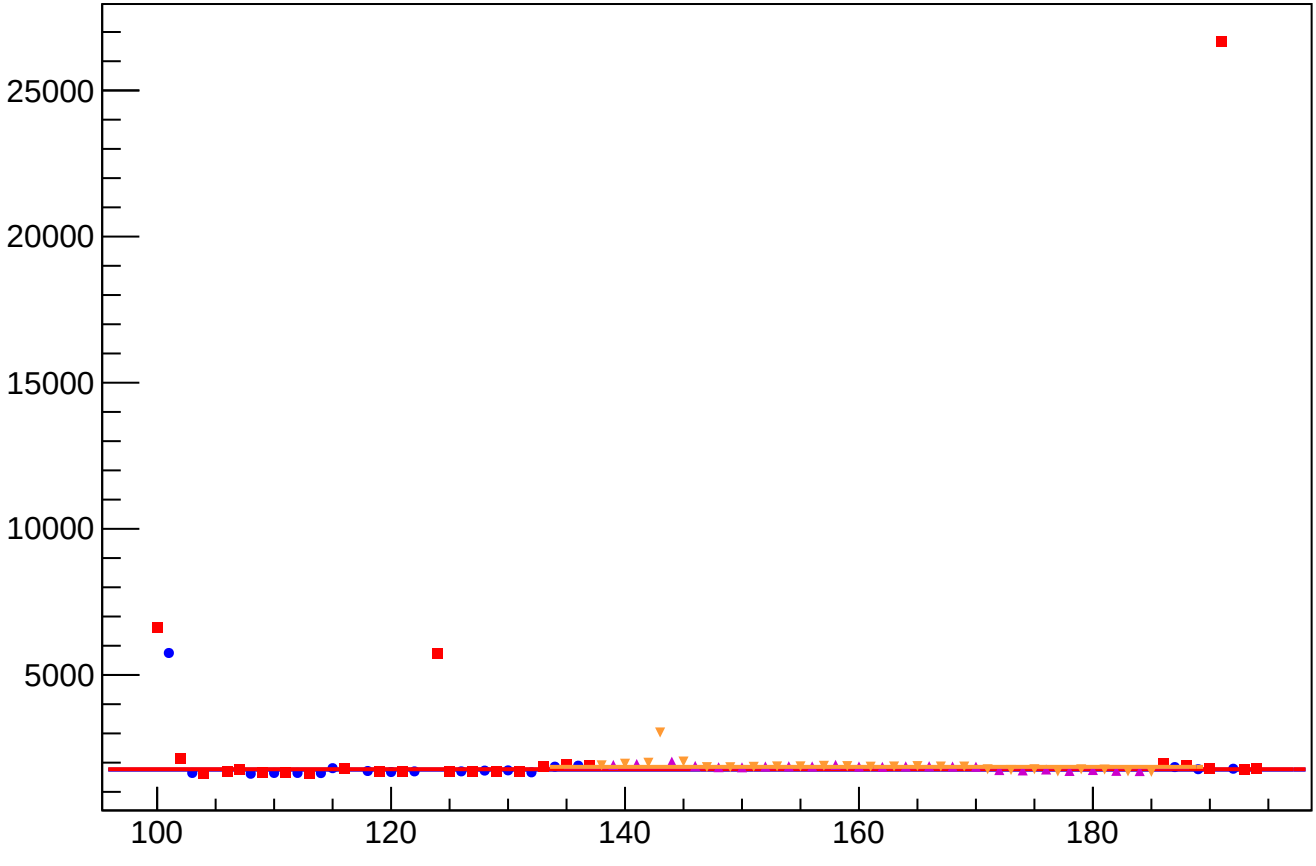
Right: 2122.738+/-404.907 χ^2/NDF: 38.4/43

In: 2444.043+/-349.856 χ^2/NDF:35.4/41

Out: 1783.976+/-334.988 χ^2/NDF:55.2/49

All: 2099.686+/-241.958 χ^2/NDF: 92.5/91

cor_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1759.414+/-0.425 χ^2/NDF: 672533.2/18

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1775.588+/-0.386 χ^2/NDF: 629897.6/24

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

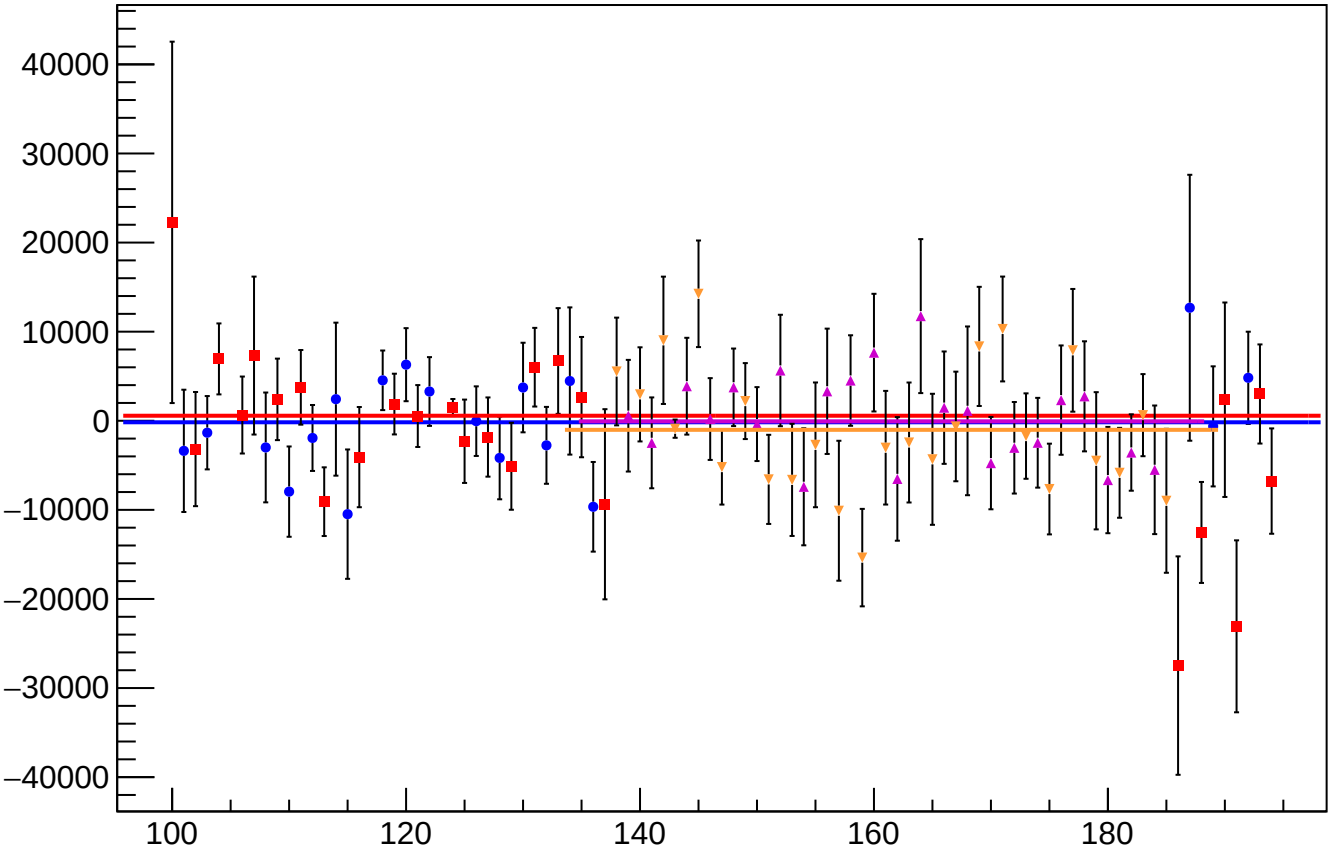
Right: 1768.266+/-0.286 χ^2/NDF: 1303223.7/43

In: 1813.336+/-0.247 χ^2/NDF:767876.7/41

Out: 1825.574+/-0.237 χ^2/NDF:980931.3/49

All: 1819.727+/-0.171 χ^2/NDF: 1750086.0/91

asym_atr1l2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -170.895+/-1124.857 χ^2/NDF: 17.7/18

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 565.039+/-709.435 χ^2/NDF: 37.3/24

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

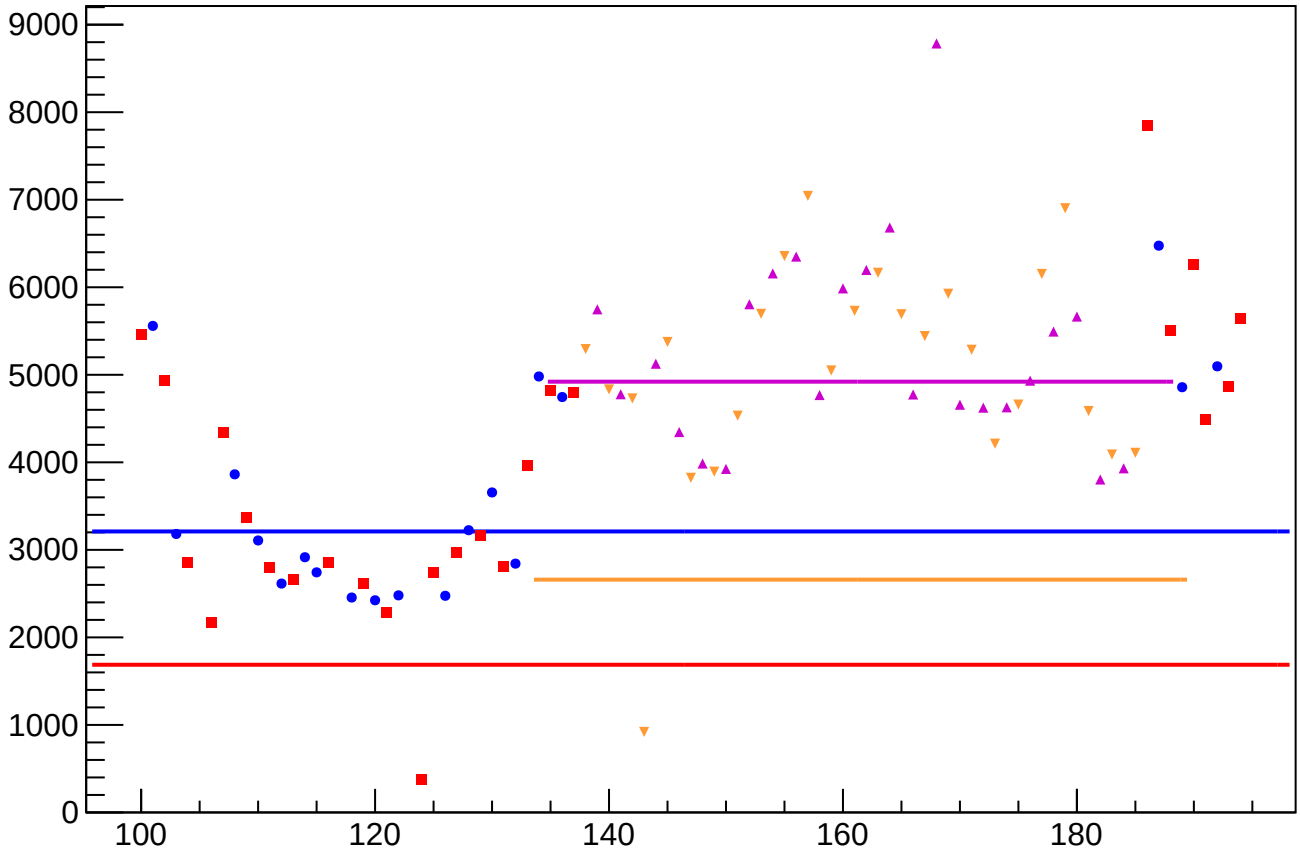
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 355.611+/-600.061 χ^2/NDF: 55.3/43

In: -118.885+/-812.023 χ^2/NDF:30.8/41

Out: -160.275+/-522.304 χ^2/NDF:73.3/49

All: -148.162+/-439.280 χ^2/NDF: 104.1/91



Right In: 3210.317+/-0.795 χ^2/NDF: 1427143.5/18

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1687.301+/-0.502 χ^2/NDF: 10521096.7/24

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

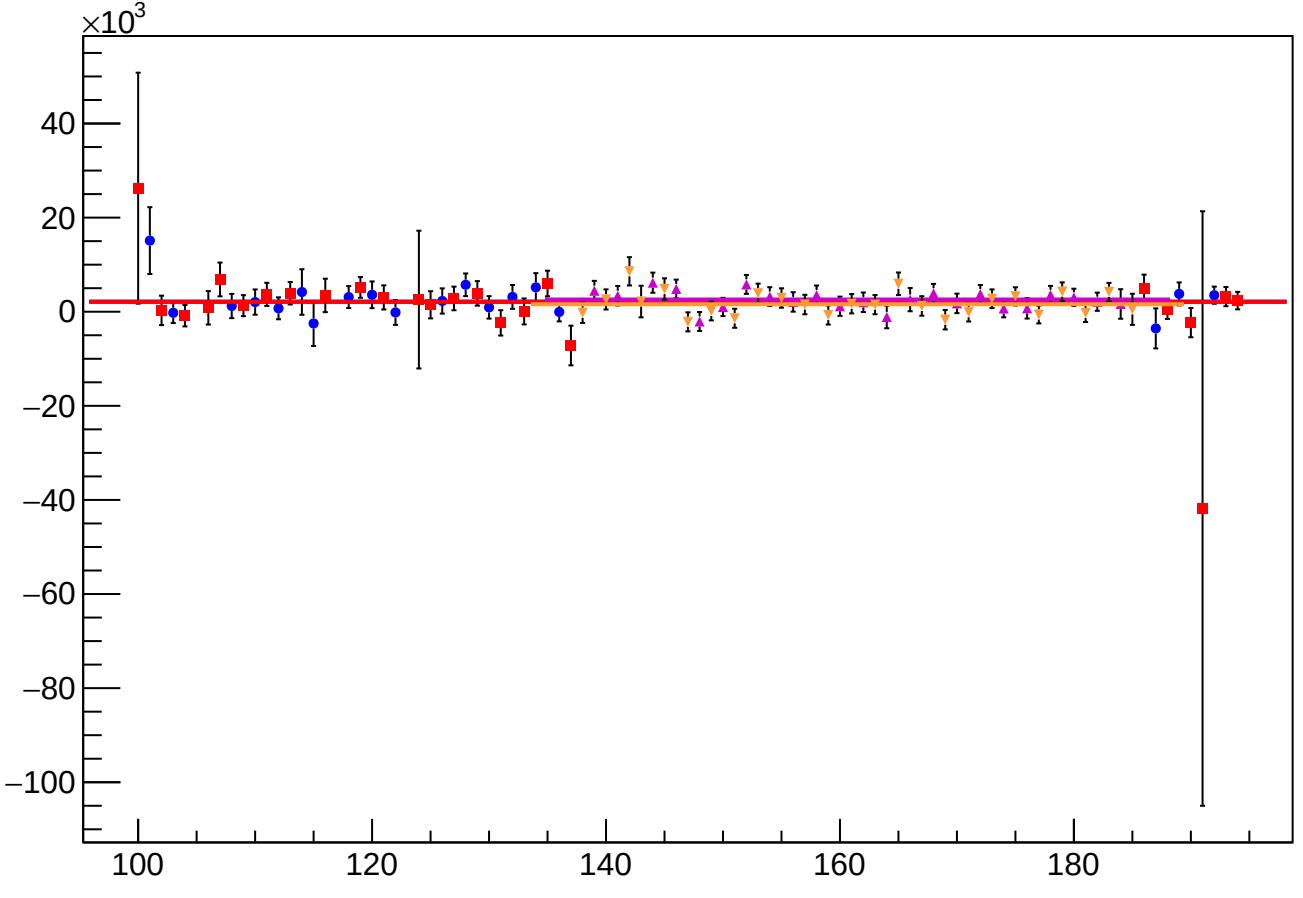
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2120.712+/-0.424 χ^2/NDF: 14571301.4/43

In: 4029.672+/-0.574 χ^2/NDF:4894212.4/41

Out: 2132.728+/-0.369 χ^2/NDF:26779450.1/49

All: 2687.866+/-0.311 χ^2/NDF: 39394037.3/9



Right In: 2144.121+/-600.945 χ^2/NDF: 15.0/18

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2104.959+/-547.965 χ^2/NDF: 23.4/24

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

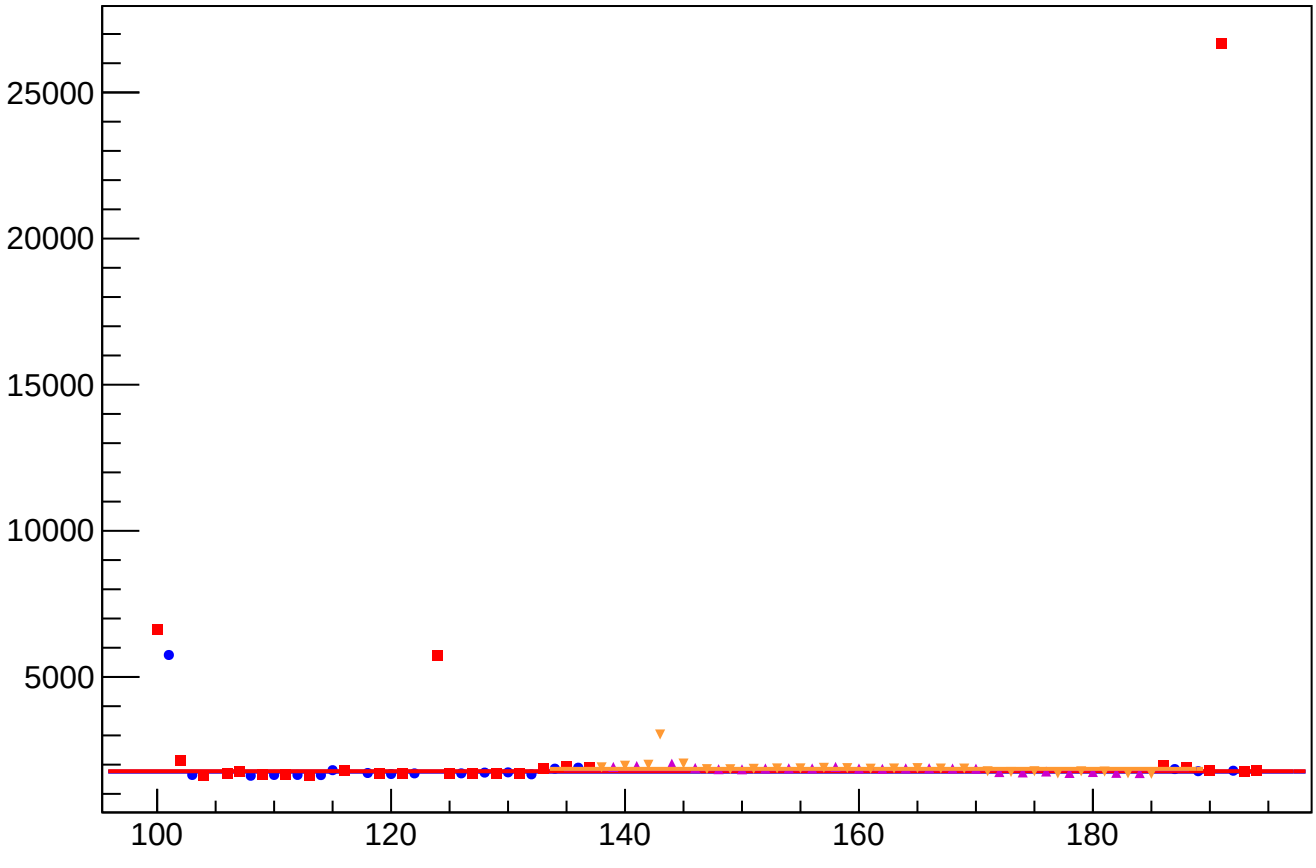
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2122.738+/-404.907 χ^2/NDF: 38.4/43

In: 2444.043+/-349.856 χ^2/NDF:35.4/41

Out: 1783.976+/-334.988 χ^2/NDF:55.2/49

All: 2099.686+/-241.958 χ^2/NDF: 92.5/91



Right In: 1759.414+/-0.425 χ^2/NDF: 672533.2/18

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1775.588+/-0.386 χ^2/NDF: 629897.6/24

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

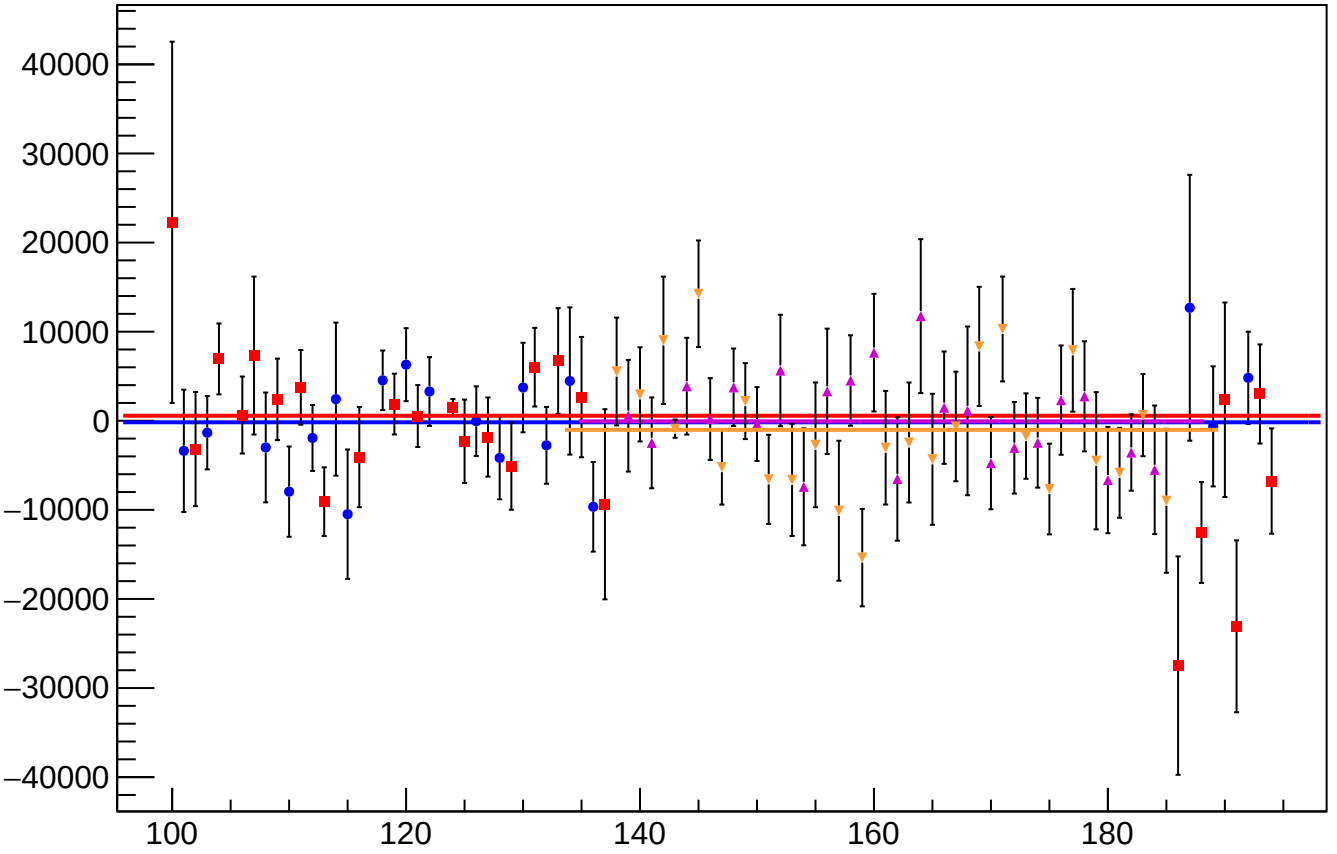
Right: 1768.266+/-0.286 χ^2/NDF: 1303223.7/43

In: 1813.336+/-0.247 χ^2/NDF:767876.7/41

Out: 1825.574+/-0.237 χ^2/NDF:980931.3/49

All: 1819.727+/-0.171 χ^2/NDF: 1750086.0/91

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -170.895+/-1124.857 χ^2/NDF: 17.7/18

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 565.039+/-709.435 χ^2/NDF: 37.3/24

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

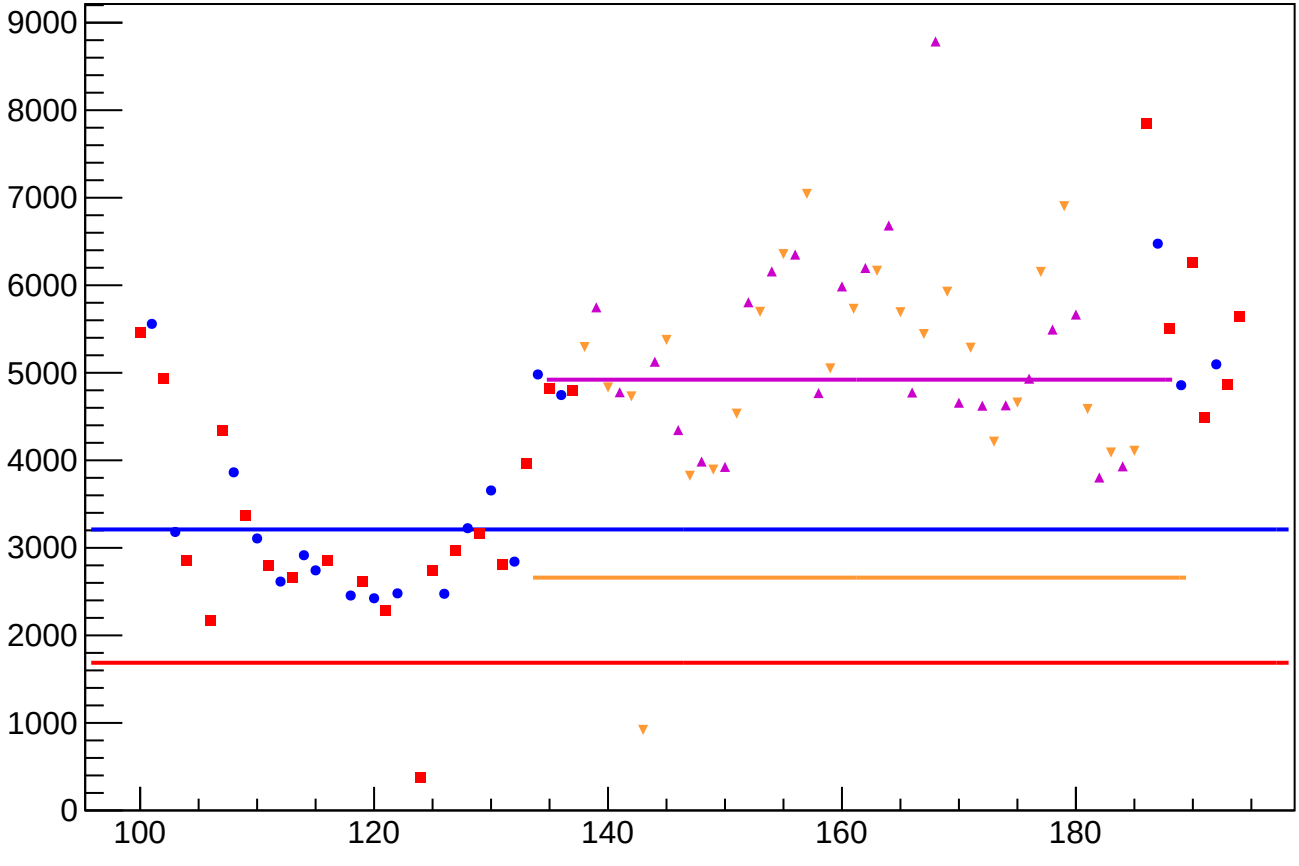
Right: 355.611+/-600.061 χ^2/NDF: 55.3/43

In: -118.885+/-812.023 χ^2/NDF:30.8/41

Out: -160.275+/-522.304 χ^2/NDF:73.3/49

All: -148.162+/-439.280 χ^2/NDF: 104.1/91

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3210.317+/-0.795 χ^2/NDF: 1427143.5/18

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1687.301+/-0.502 χ^2/NDF: 10521096.7/24

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

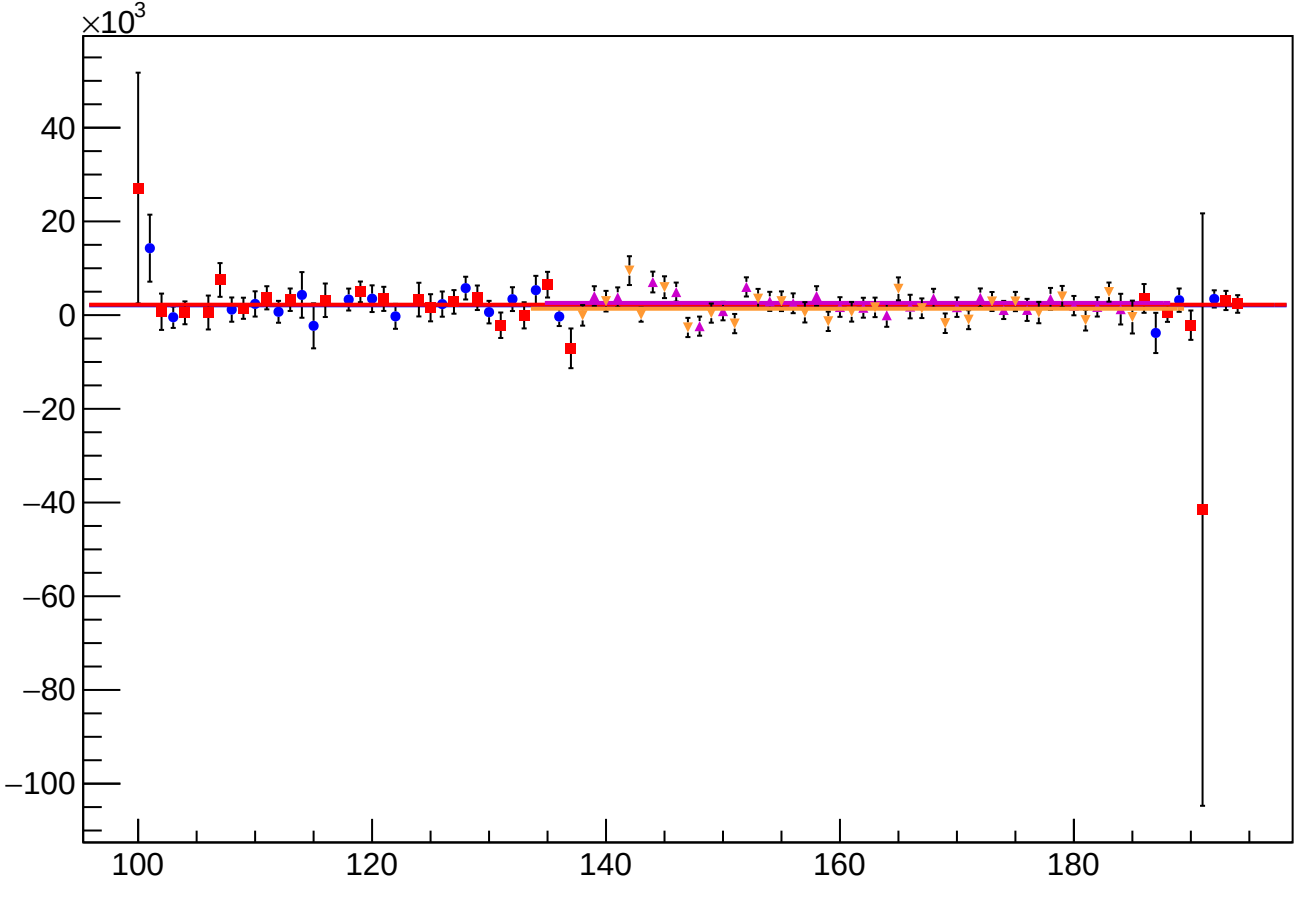
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2120.712+/-0.424 χ^2/NDF: 14571301.4/43

In: 4029.672+/-0.574 χ^2/NDF:4894212.4/41

Out: 2132.728+/-0.369 χ^2/NDF:26779450.1/49

All: 2687.866+/-0.311 χ^2/NDF: 39394037.3/9



Right In: 2093.961+/-607.216 χ^2/NDF: 15.1/18

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: 2223.860+/-550.046 χ^2/NDF: 21.2/24

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

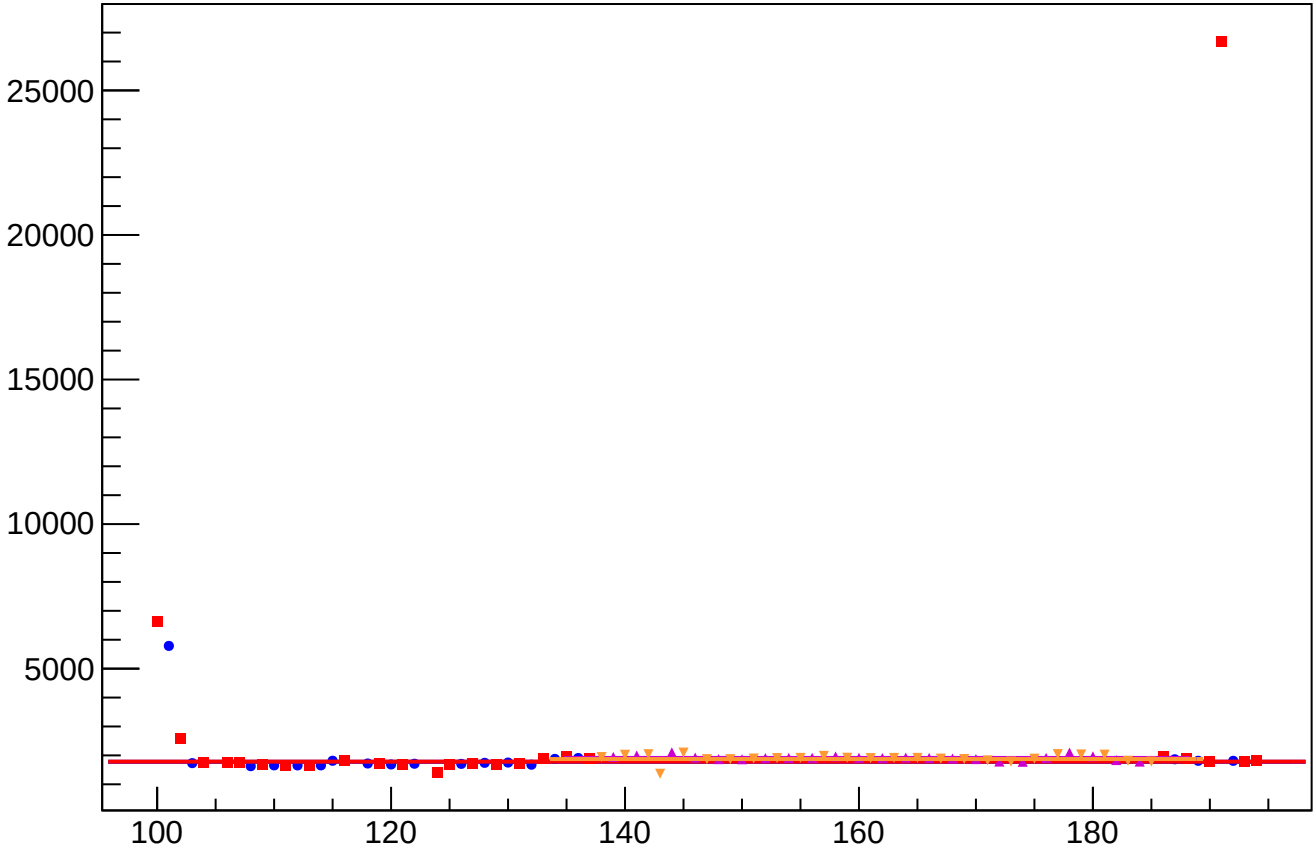
Right: 2165.312+/-407.658 χ^2/NDF: 36.3/43

In: 2424.123+/-359.844 χ^2/NDF:35.6/41

Out: 1687.576+/-337.459 χ^2/NDF:58.8/49

All: 2032.229+/-246.153 χ^2/NDF: 96.6/91

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1777.814+/-0.429 χ^2/NDF: 669671.2/18

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1783.592+/-0.388 χ^2/NDF: 552470.3/24

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

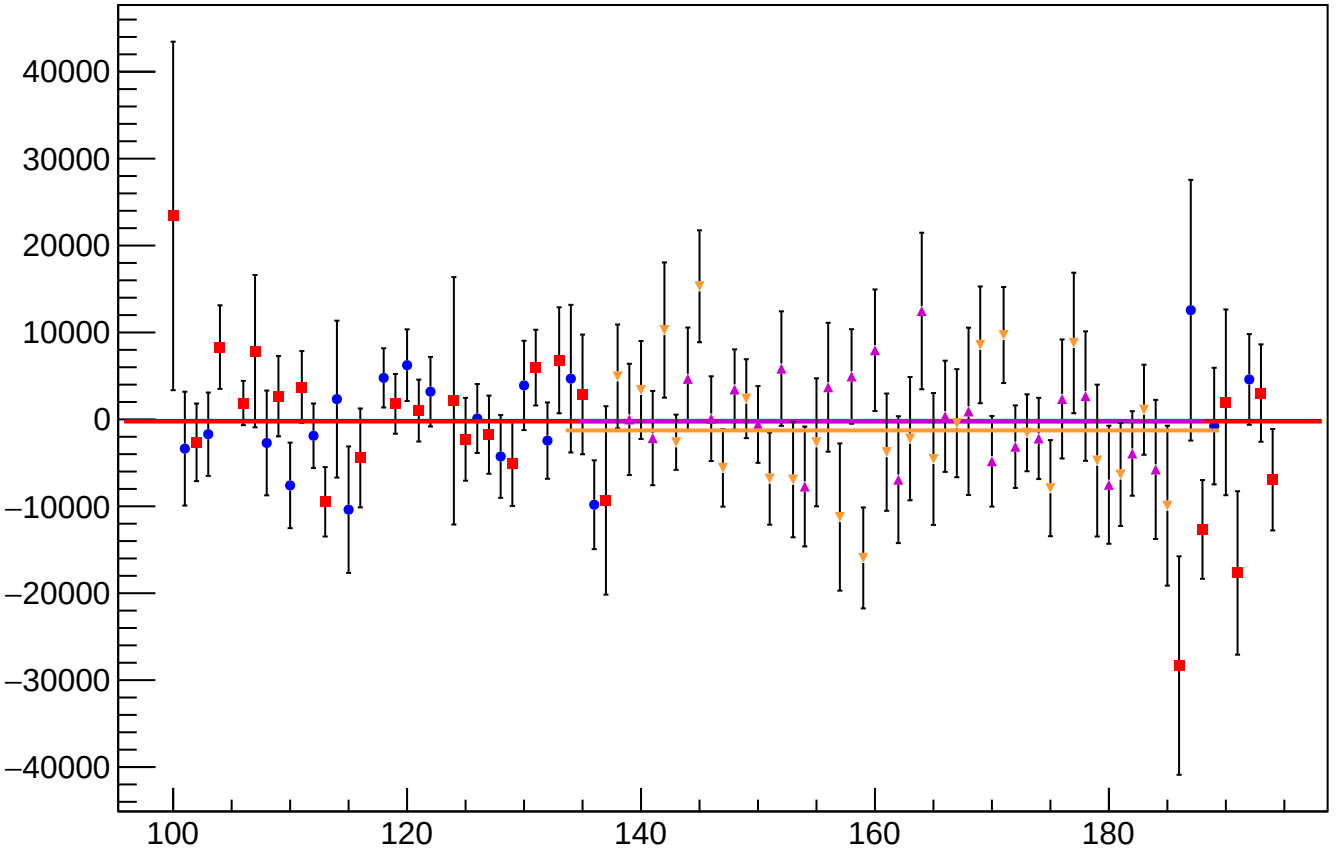
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1780.993+/-0.288 χ^2/NDF: 1222241.1/43

In: 1864.501+/-0.254 χ^2/NDF:791636.6/41

Out: 1839.380+/-0.238 χ^2/NDF:895364.9/49

All: 1851.126+/-0.174 χ^2/NDF: 1692191.2/91



Right In: -173.968+/-1147.389 χ^2/NDF: 17.4/18

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: -248.548+/-1003.559 χ^2/NDF: 34.5/24

Left In: -196.917+/-1234.538 χ^2/NDF:12.7/22

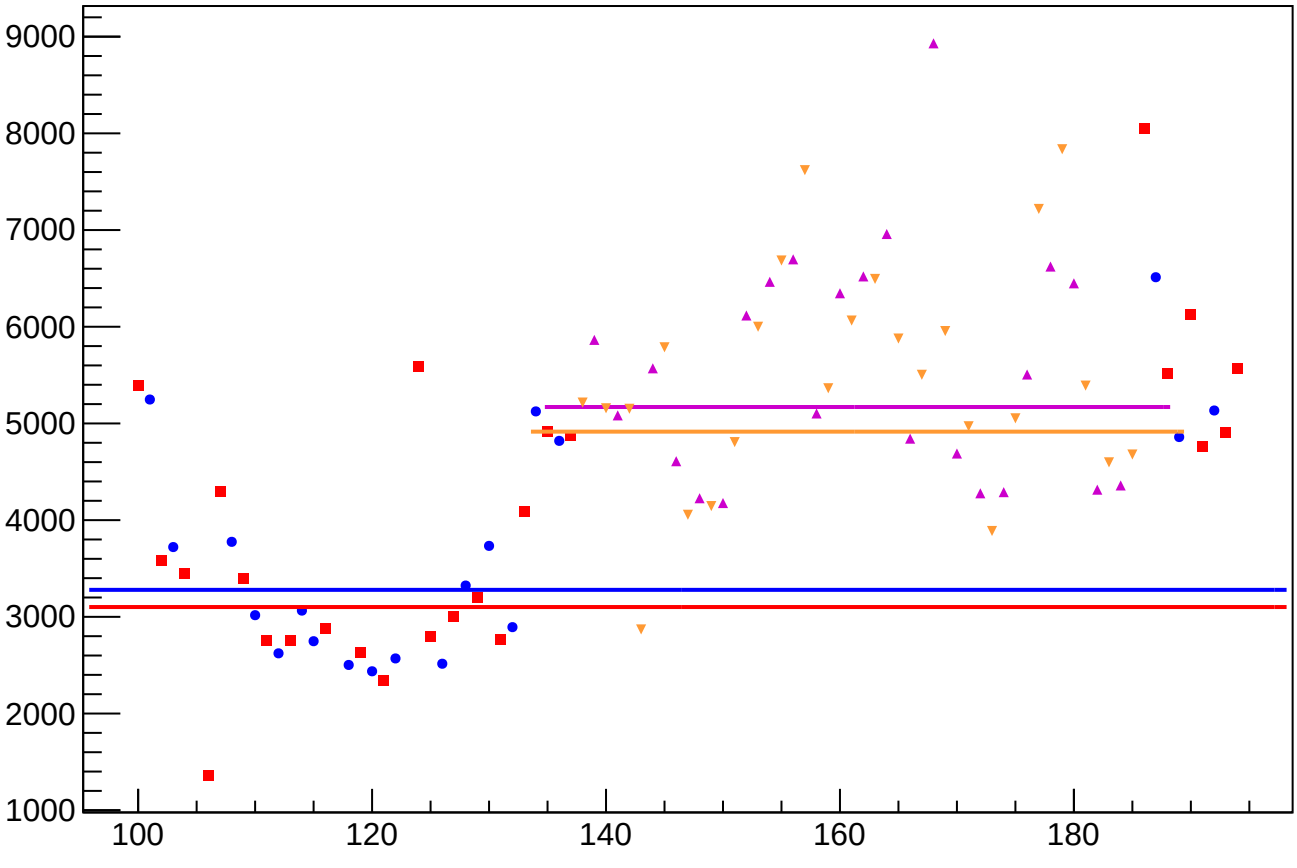
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: -216.223+/-755.388 χ^2/NDF: 51.9/43

In: -184.604+/-840.449 χ^2/NDF:30.1/41

Out: -687.368+/-757.866 χ^2/NDF:68.4/49

All: -461.894+/-562.830 χ^2/NDF: 98.7/91



Right In: 3279.119+/-0.811 χ^2/NDF: 1379785.1/18

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3101.400+/-0.710 χ^2/NDF: 2988104.6/24

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

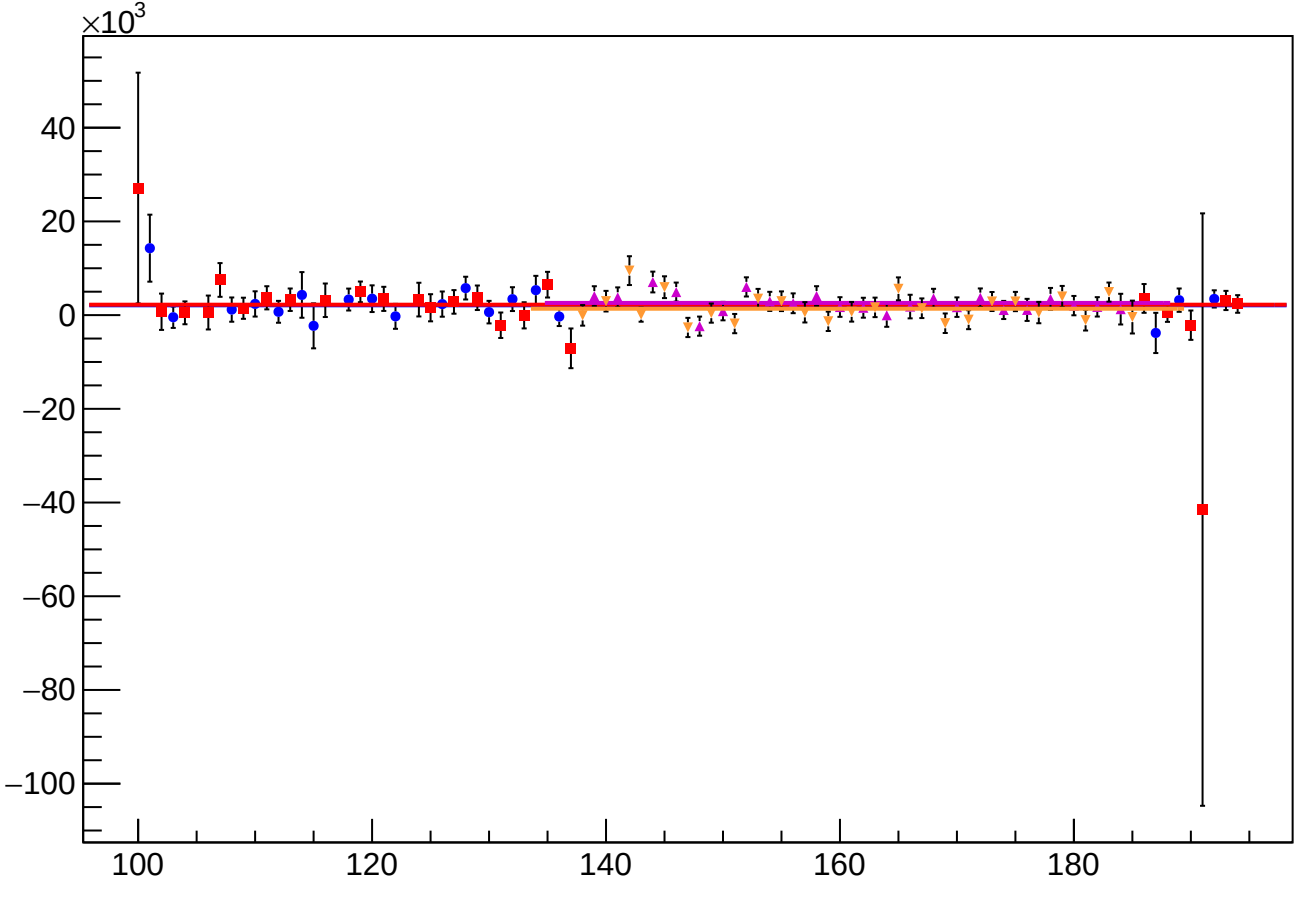
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 3178.429+/-0.534 χ^2/NDF: 4395075.0/43

In: 4155.482+/-0.594 χ^2/NDF:5245958.3/41

Out: 3880.818+/-0.536 χ^2/NDF:7961801.5/49

All: 4003.997+/-0.398 χ^2/NDF: 13325569.6/9



Right In: 2093.963+/-607.216 χ^2/NDF: 15.1/18

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: 2223.859+/-550.046 χ^2/NDF: 21.2/24

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

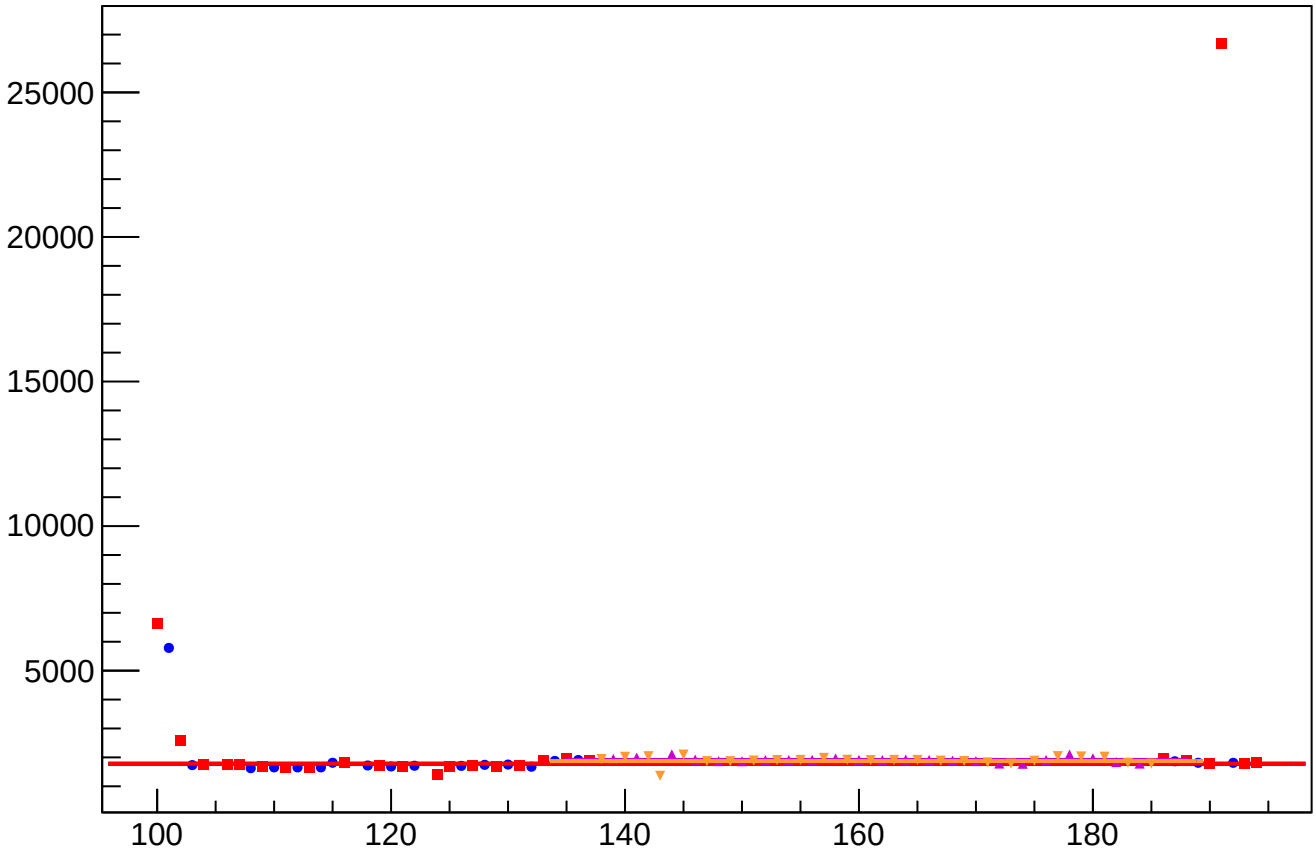
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2165.312+/-407.658 χ^2/NDF: 36.3/43

In: 2424.123+/-359.844 χ^2/NDF:35.6/41

Out: 1687.574+/-337.459 χ^2/NDF:58.8/49

All: 2032.227+/-246.153 χ^2/NDF: 96.6/91



Right In: 1777.814+/-0.429 χ^2/NDF: 669671.2/18

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1783.592+/-0.388 χ^2/NDF: 552470.2/24

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

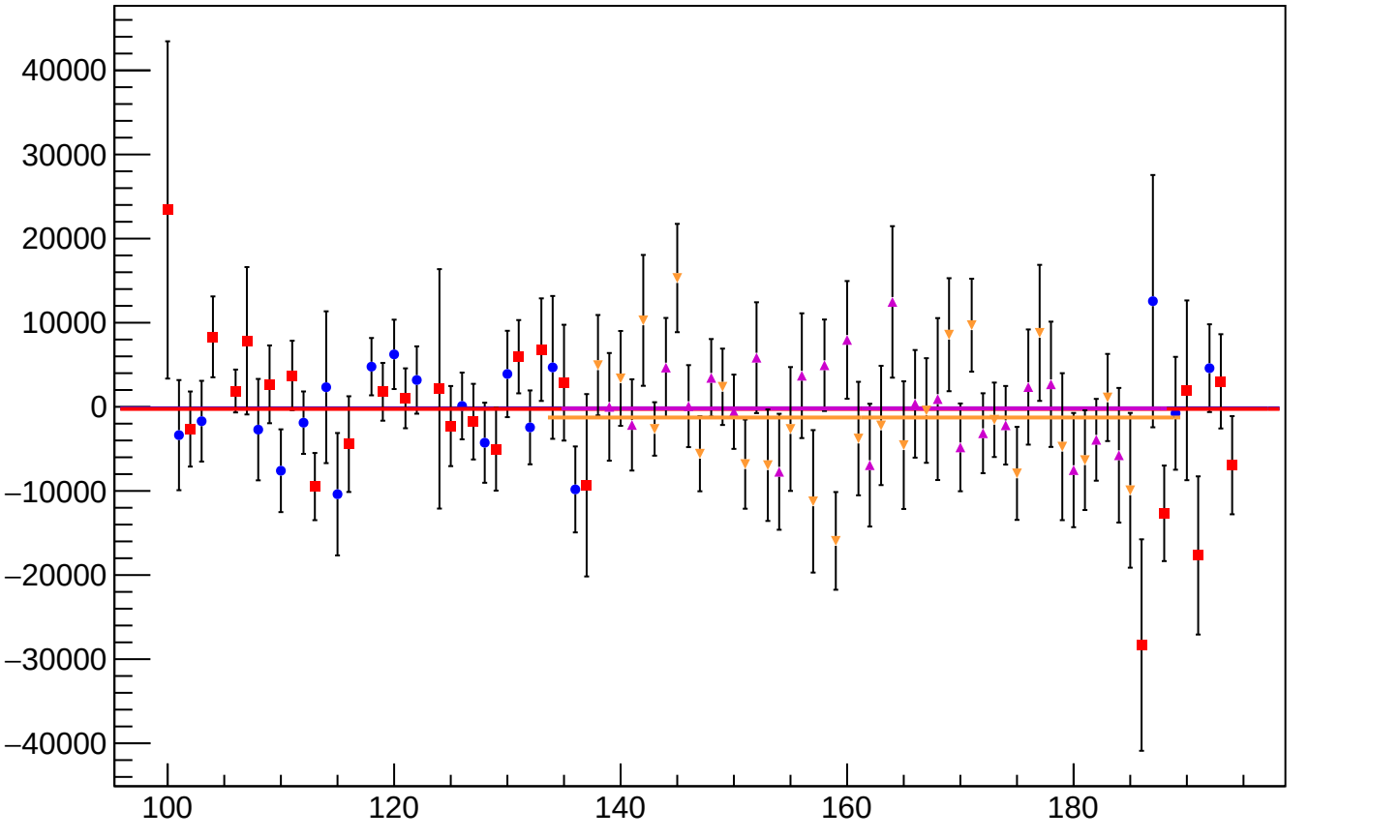
Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

Right: 1780.993+/-0.288 χ^2/NDF: 1222241.1/43

In: 1864.502+/-0.254 χ^2/NDF:791639.9/41

Out: 1839.380+/-0.238 χ^2/NDF:895369.1/49

All: 1851.126+/-0.174 χ^2/NDF: 1692198.8/91



Right In: -173.965+/-1147.386 χ^2/NDF: 17.4/18

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: -248.540+/-1003.556 χ^2/NDF: 34.5/24

Left In: -196.918+/-1234.540 χ^2/NDF:12.7/22

Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

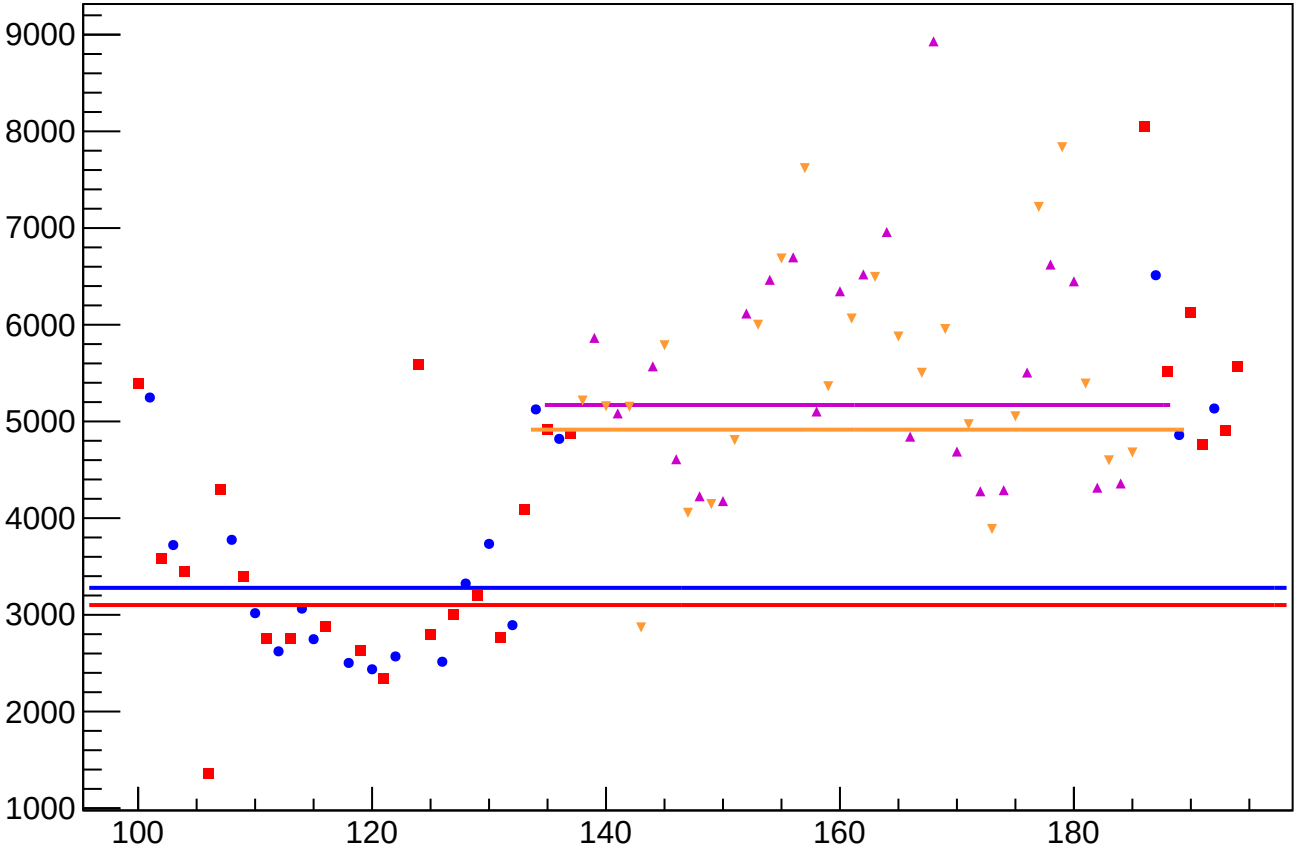
Right: -216.217+/-755.386 χ^2/NDF: 51.9/43

In: -184.603+/-840.448 χ^2/NDF:30.1/41

Out: -687.364+/-757.866 χ^2/NDF:68.4/49

All: -461.891+/-562.830 χ^2/NDF: 98.7/91

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3279.108+/-0.811 χ^2/NDF: 1379803.4/18

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3101.386+/-0.710 χ^2/NDF: 2988144.5/24

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

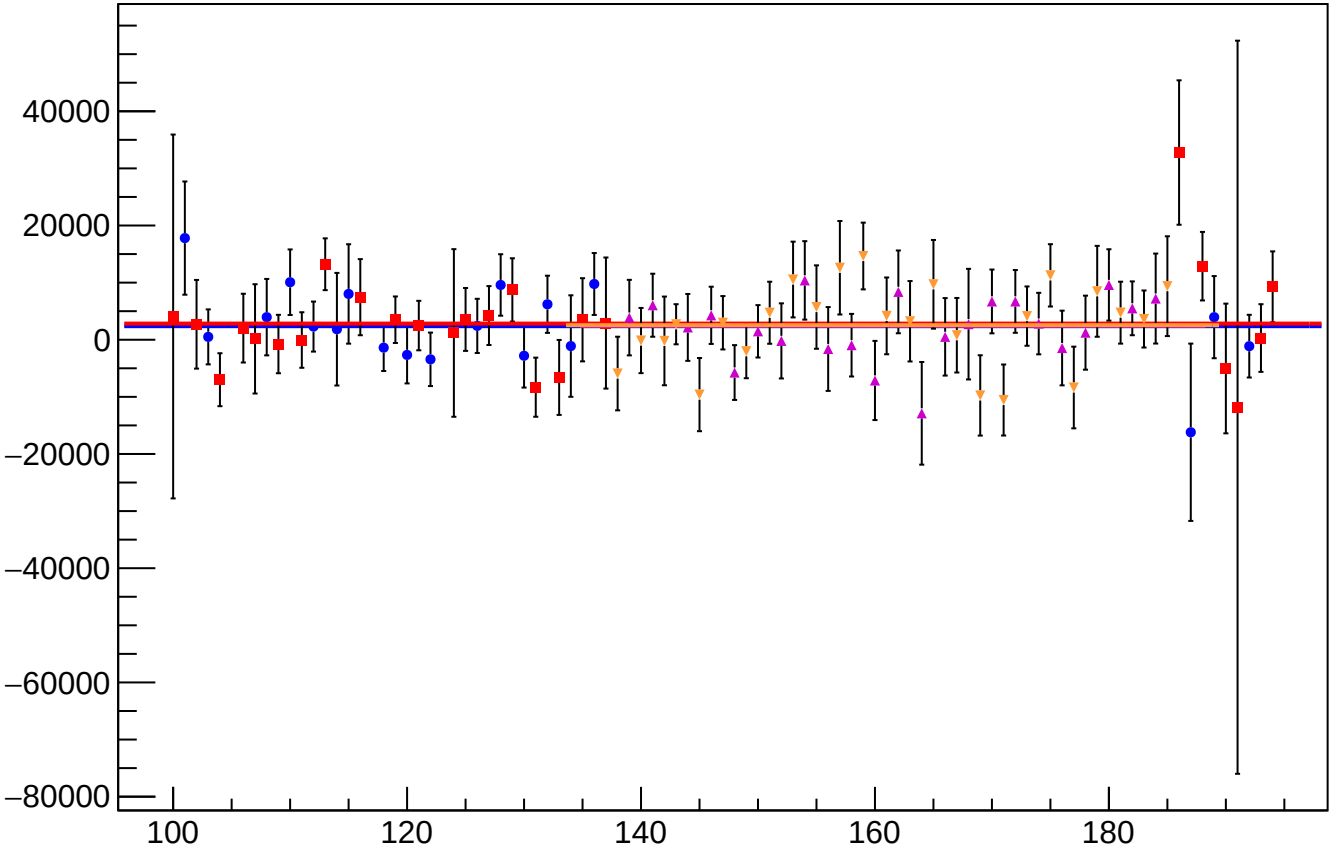
Right: 3178.416+/-0.534 χ^2/NDF: 4395134.1/43

In: 4155.476+/-0.594 χ^2/NDF:5246030.8/41

Out: 3880.809+/-0.536 χ^2/NDF:7961912.9/49

All: 4003.989+/-0.398 χ^2/NDF: 13325755.8/9

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2375.527+/-1310.964 χ^2/NDF: 15.4/18

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: 2828.287+/-1231.633 χ^2/NDF: 29.3/24

Left In: 2423.016+/-1259.653 χ^2/NDF:15.0/22

Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

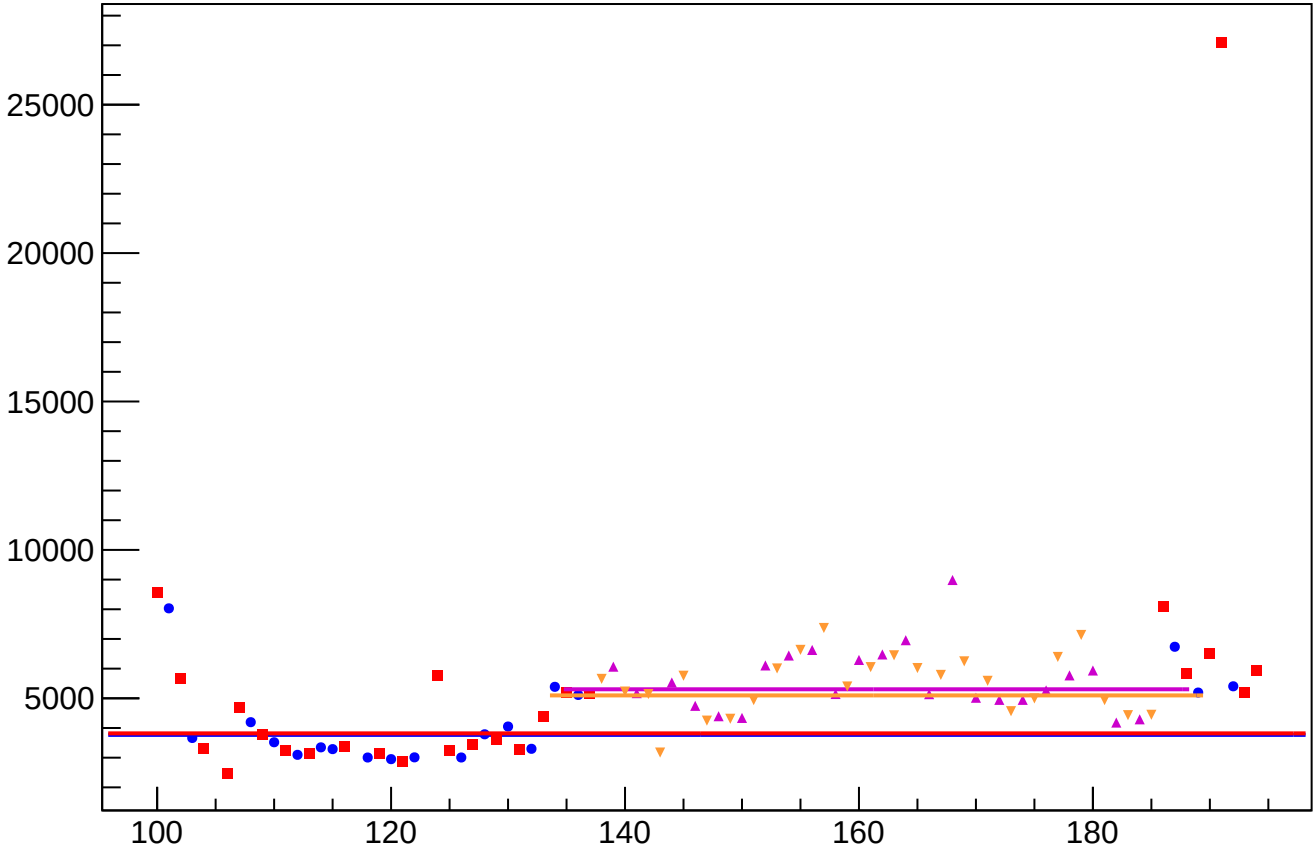
Right: 2616.020+/-897.632 χ^2/NDF: 44.8/43

In: 2400.219+/-908.307 χ^2/NDF:30.4/41

Out: 2682.571+/-854.929 χ^2/NDF:58.4/49

All: 2549.935+/-622.542 χ^2/NDF: 88.9/91

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3767.900+/-0.927 χ^2/NDF: 1208827.6/18

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

Right Out: 3818.974+/-0.860 χ^2/NDF: 1982816.7/24

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

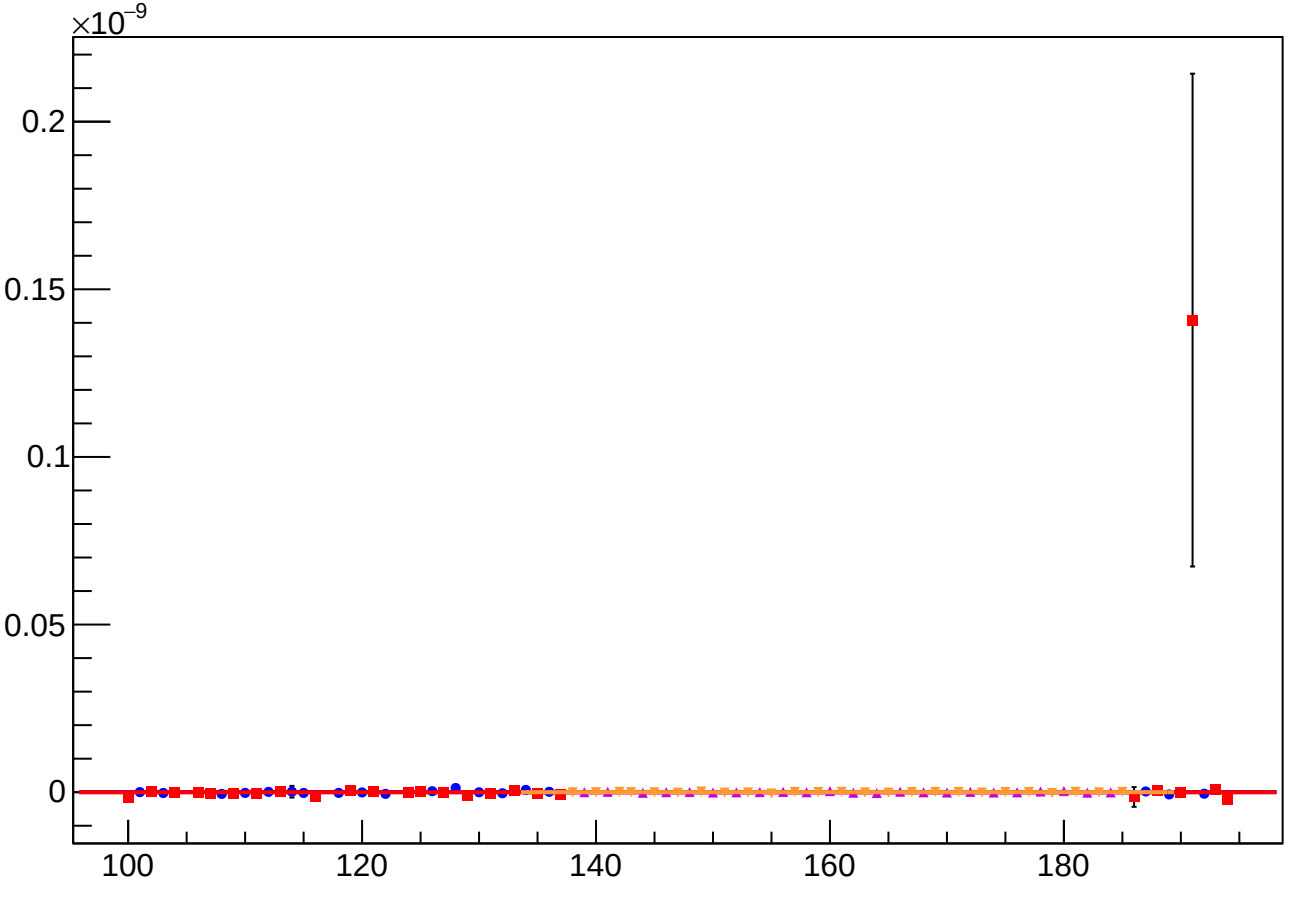
Left: 5195.024+/-0.611 χ^2/NDF: 2590724.7/47

Right: 3795.362+/-0.630 χ^2/NDF: 3193276.5/43

In: 4566.687+/-0.642 χ^2/NDF:3654868.1/41

Out: 4473.353+/-0.601 χ^2/NDF:4659990.5/49

All: 4516.902+/-0.439 χ^2/NDF: 8326122.8/91



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/24

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

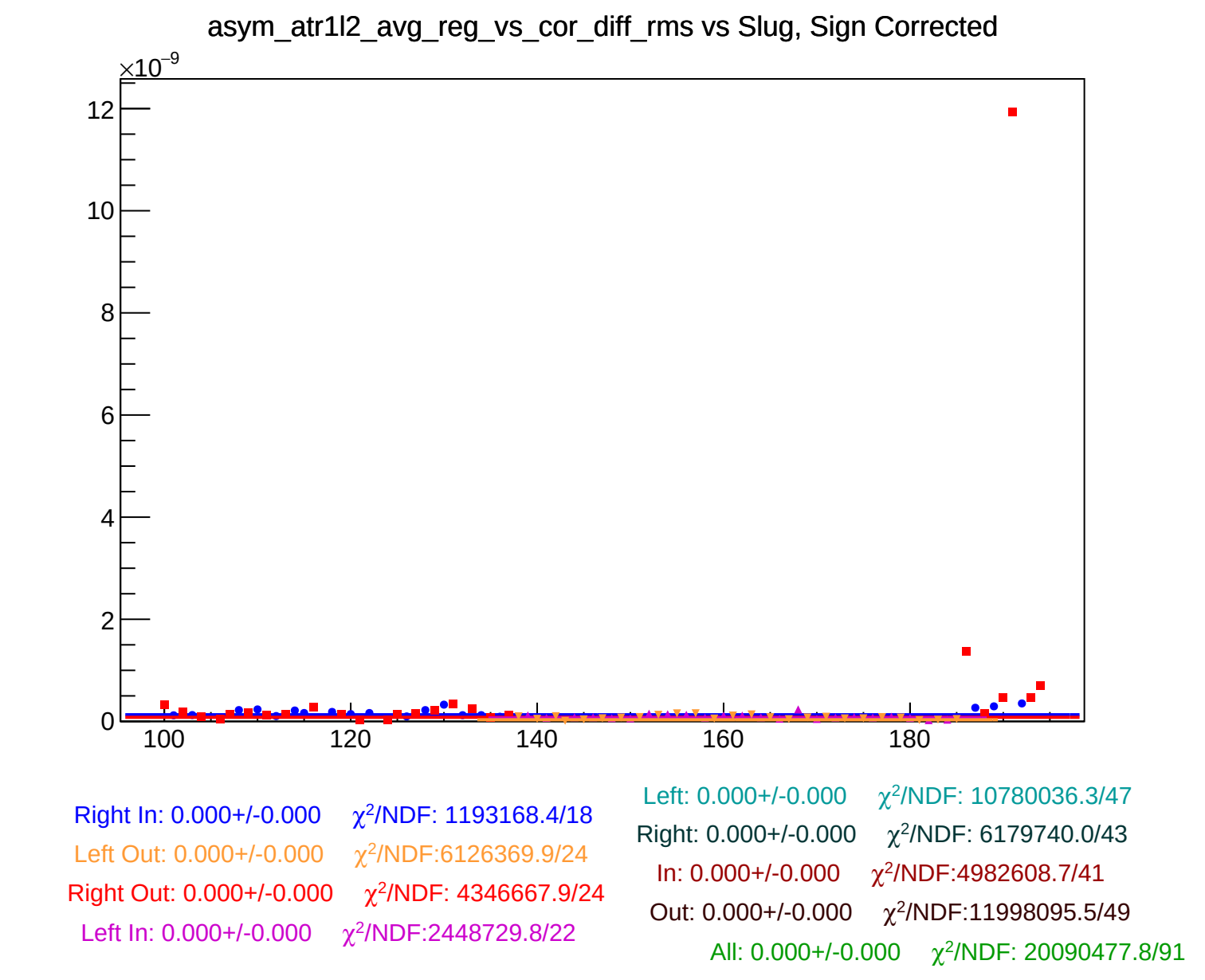
Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

Right: -0.000+/-0.000 χ^2/NDF: 55.3/43

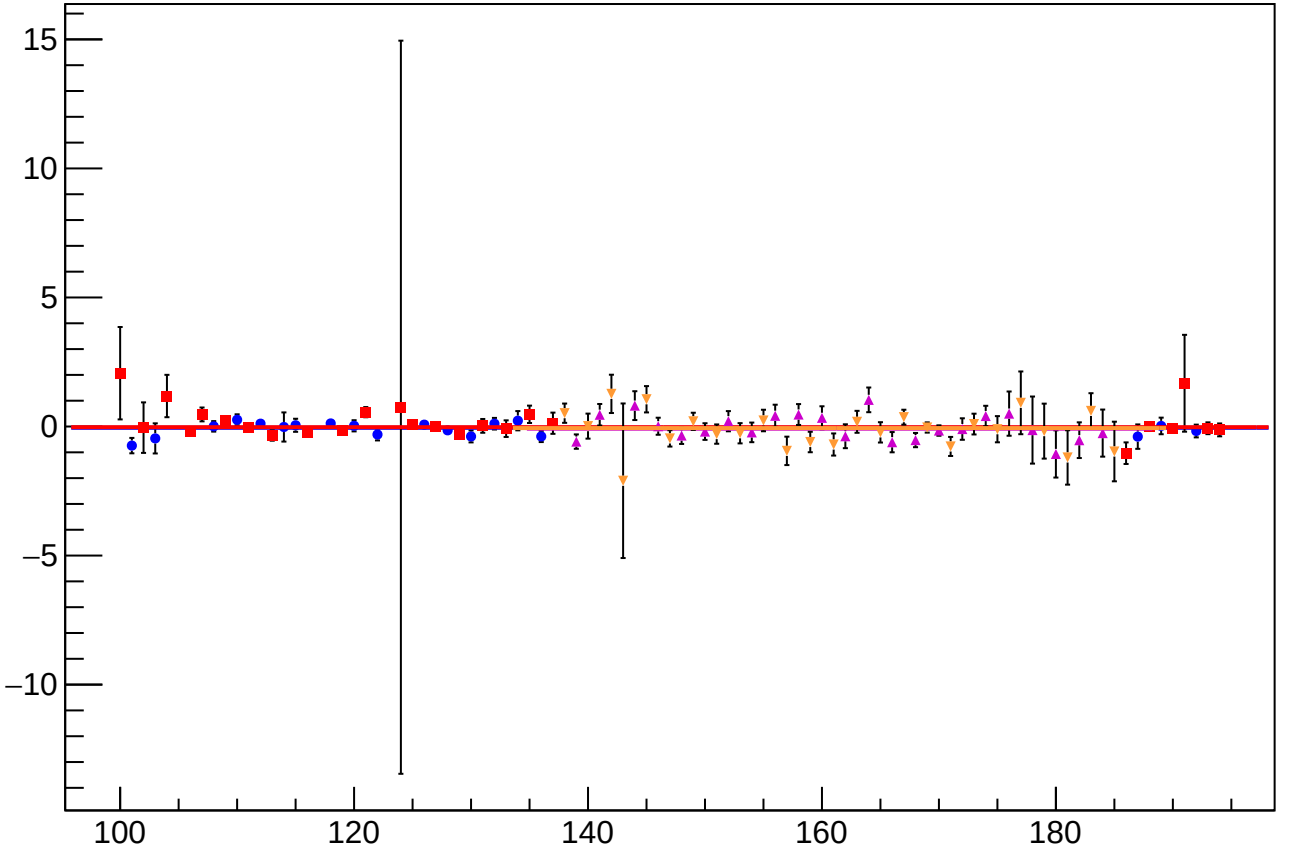
In: 0.000+/-0.000 χ^2/NDF:43.1/41

Out: 0.000+/-0.000 χ^2/NDF:50.4/49

All: 0.000+/-0.000 χ^2/NDF: 93.5/91


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
Right In: 0.000+/-0.000 χ²/NDF: 1193168.4/18
Left Out: 0.000+/-0.000 χ²/NDF:6126369.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 4346667.9/24
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: 6179740.0/43
In: 0.000+/-0.000 χ²/NDF:4982608.7/41
Out: 0.000+/-0.000 χ²/NDF:11998095.5/49
All: 0.000+/-0.000 χ²/NDF: 20090477.8/91

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.049+/-0.053 χ^2/NDF: 18.8/18

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.026+/-0.044 χ^2/NDF: 35.9/24

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

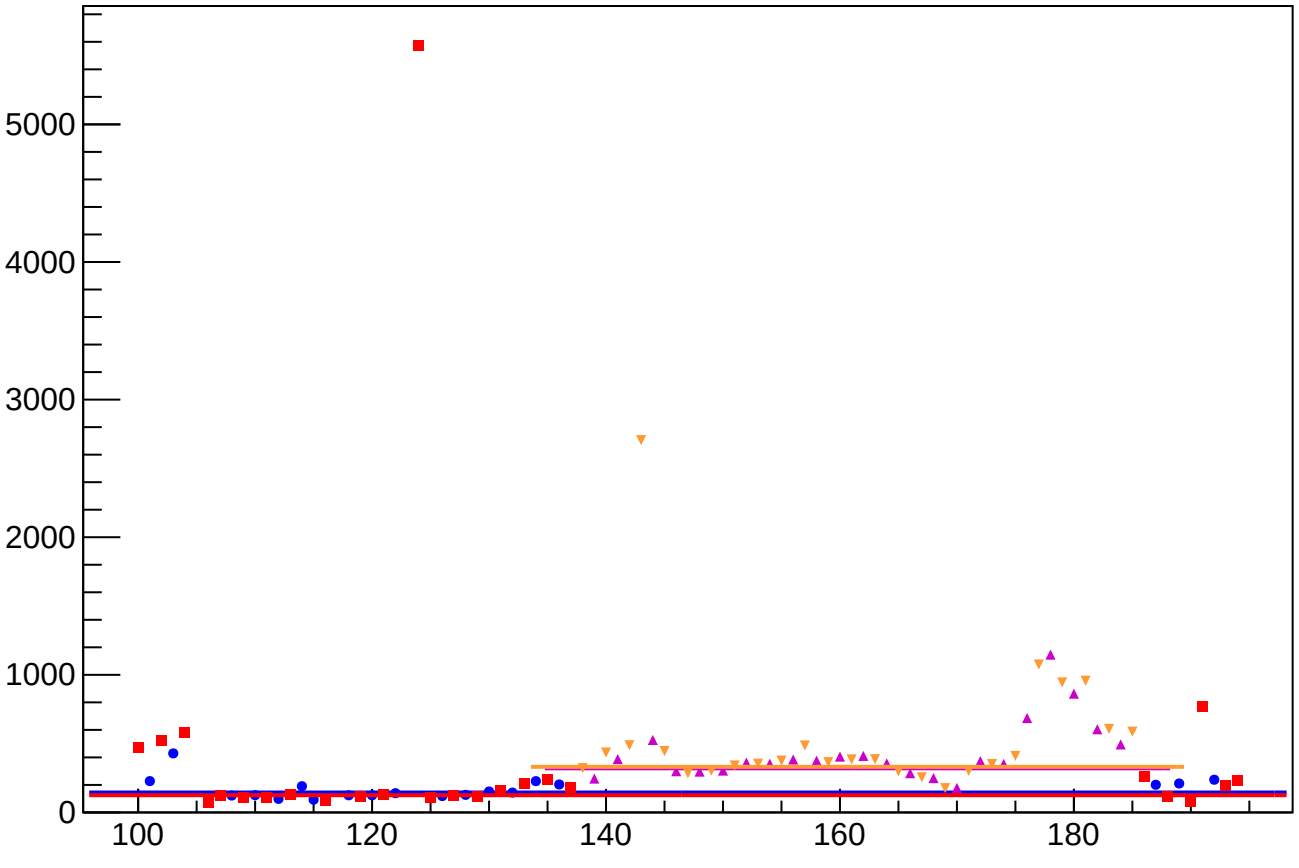
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: -0.035+/-0.034 χ^2/NDF: 54.8/43

In: -0.059+/-0.045 χ^2/NDF:45.9/41

Out: -0.034+/-0.039 χ^2/NDF:66.8/49

All: -0.045+/-0.029 χ^2/NDF: 113.0/91



Right In: 144.886+/-0.038 χ^2/NDF: 1697243.8/18

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 125.362+/-0.031 χ^2/NDF: 3360924.2/24

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

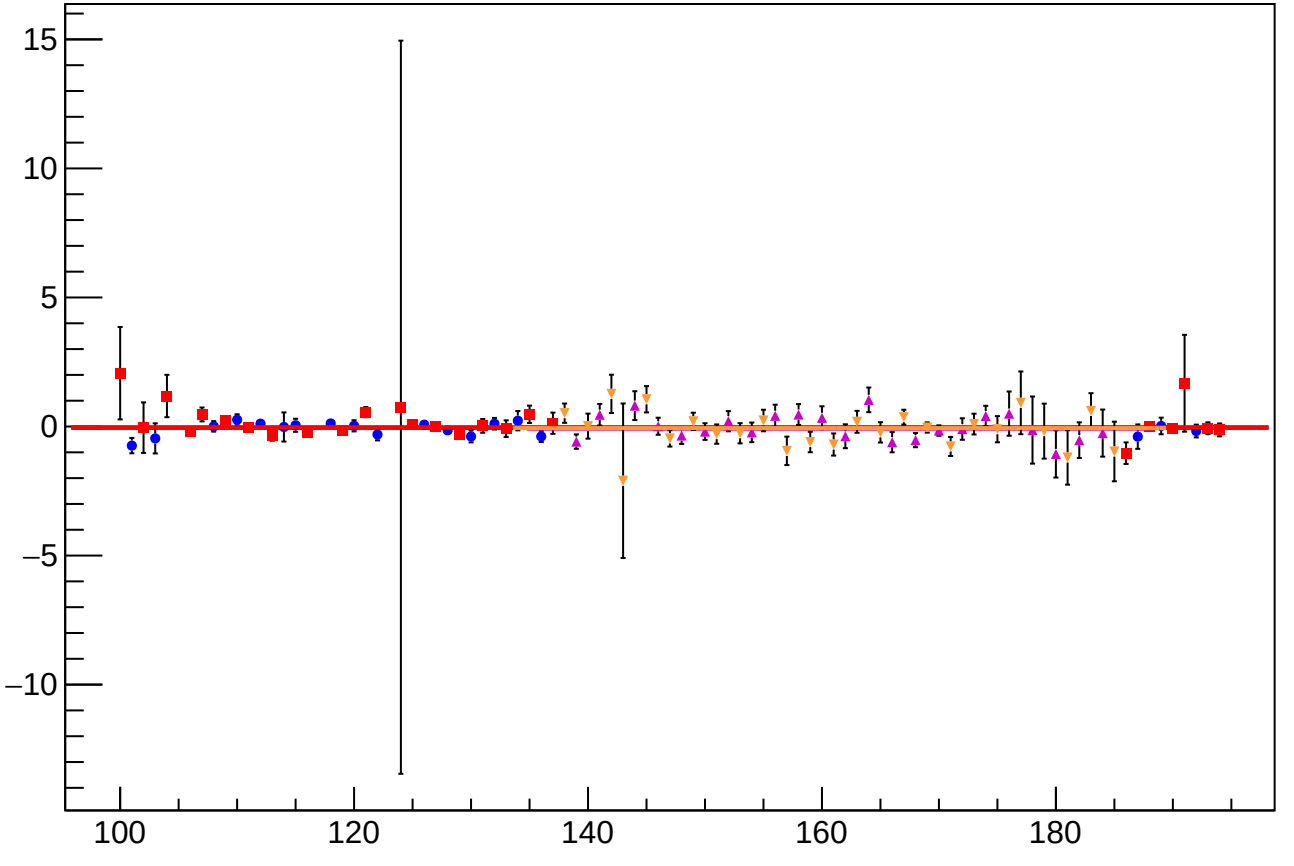
Right: 133.211+/-0.024 χ^2/NDF: 5218386.9/43

In: 197.951+/-0.032 χ^2/NDF:12504429.0/41

Out: 169.616+/-0.027 χ^2/NDF:18743332.6/49

All: 181.817+/-0.021 χ^2/NDF: 31707934.4/91

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.049+/-0.053 χ^2/NDF: 18.8/18

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.026+/-0.044 χ^2/NDF: 35.9/24

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

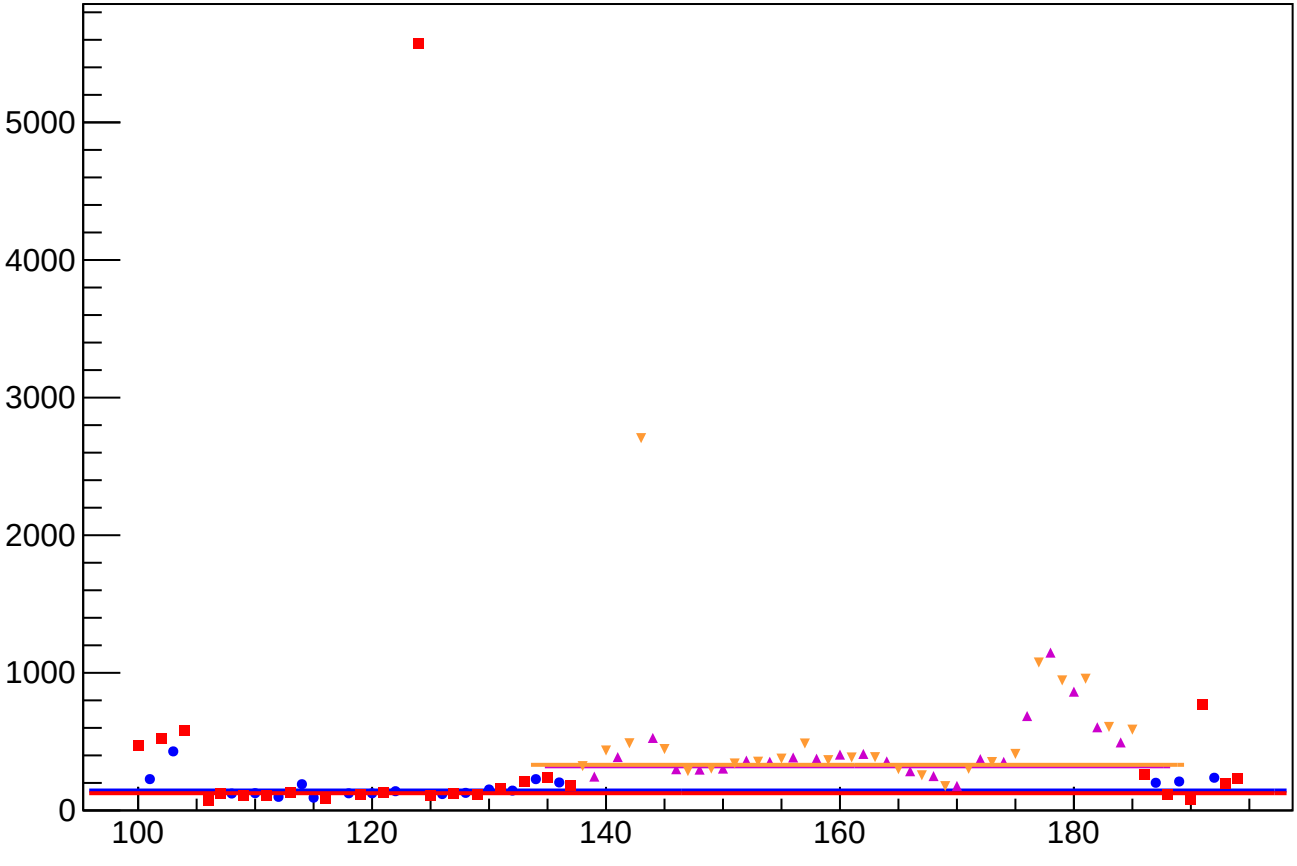
Right: -0.035+/-0.034 χ^2/NDF: 54.8/43

In: -0.059+/-0.045 χ^2/NDF:45.9/41

Out: -0.034+/-0.039 χ^2/NDF:66.8/49

All: -0.045+/-0.029 χ^2/NDF: 113.0/91

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.886+/-0.038 χ^2/NDF: 1697243.8/18

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 125.362+/-0.031 χ^2/NDF: 3360924.2/24

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

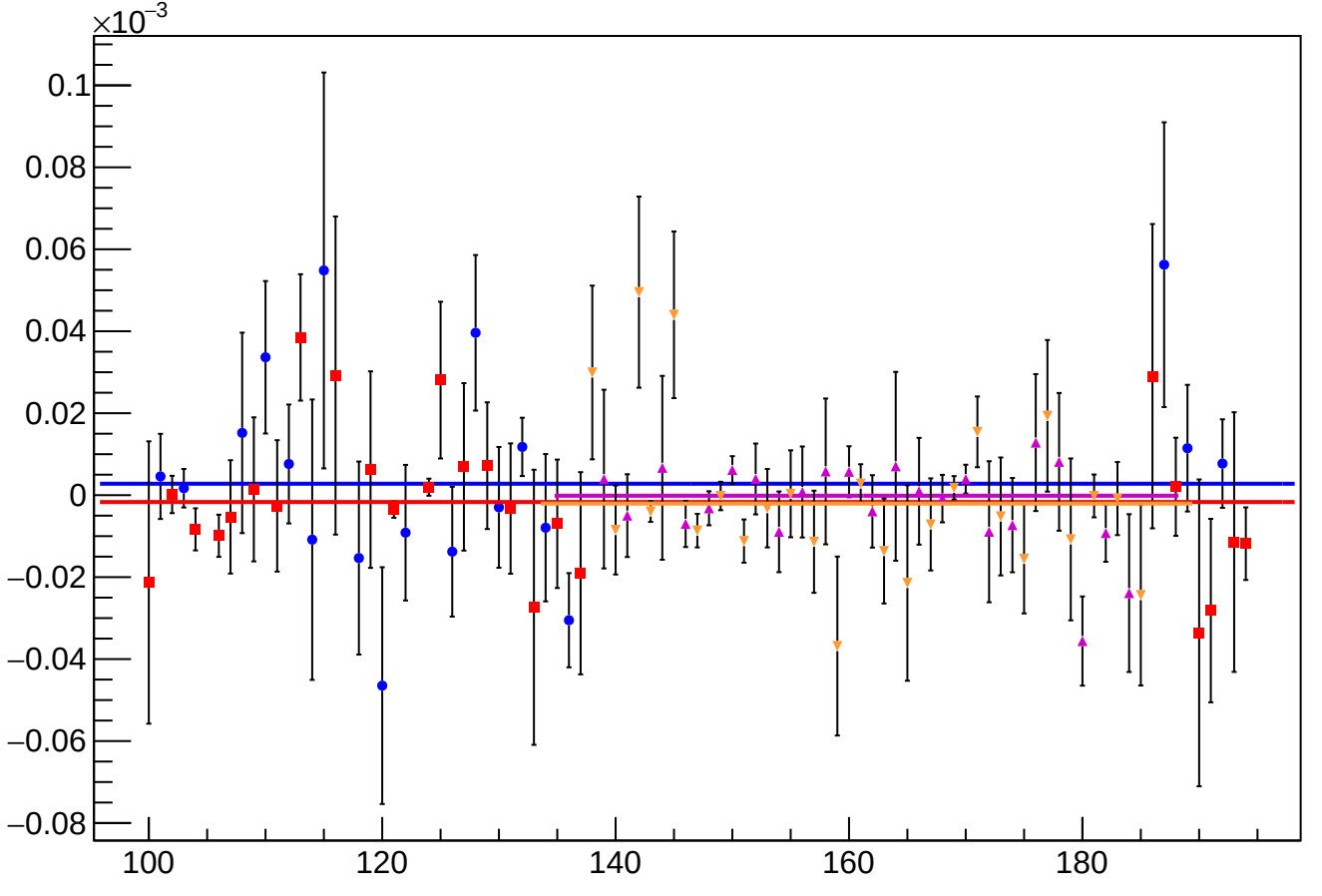
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 133.211+/-0.024 χ^2/NDF: 5218386.9/43

In: 197.951+/-0.032 χ^2/NDF:12504429.0/41

Out: 169.616+/-0.027 χ^2/NDF:18743332.6/49

All: 181.817+/-0.021 χ^2/NDF: 31707934.4/91



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/18

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

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/24

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

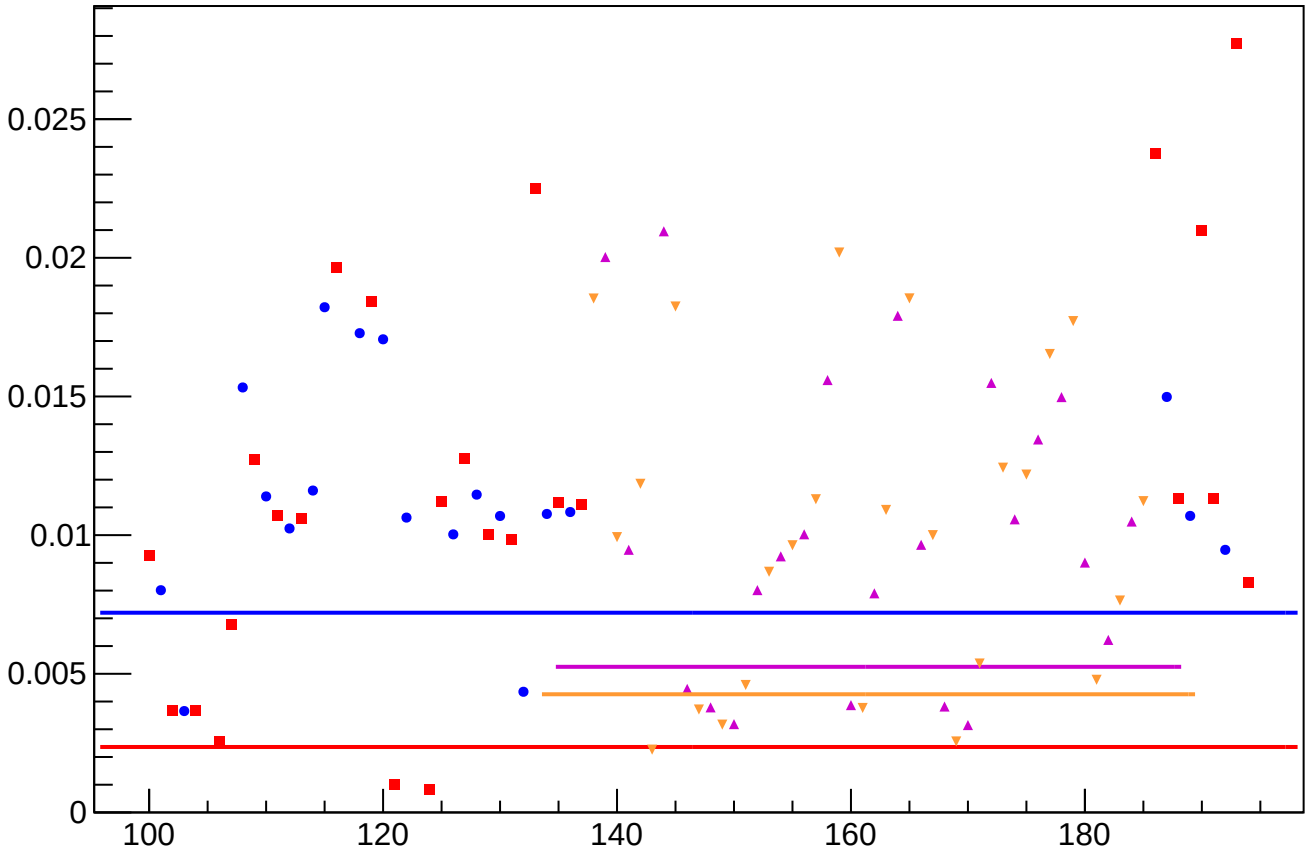
Left: -0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 53.5/43

In: 0.000+/-0.000 χ^2/NDF:52.5/41

Out: -0.000+/-0.000 χ^2/NDF:59.5/49

All: -0.000+/-0.000 χ^2/NDF: 114.2/91



Right In: 0.007+/-0.000 χ^2/NDF: 3549495.1/18

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 13930362.5/24

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

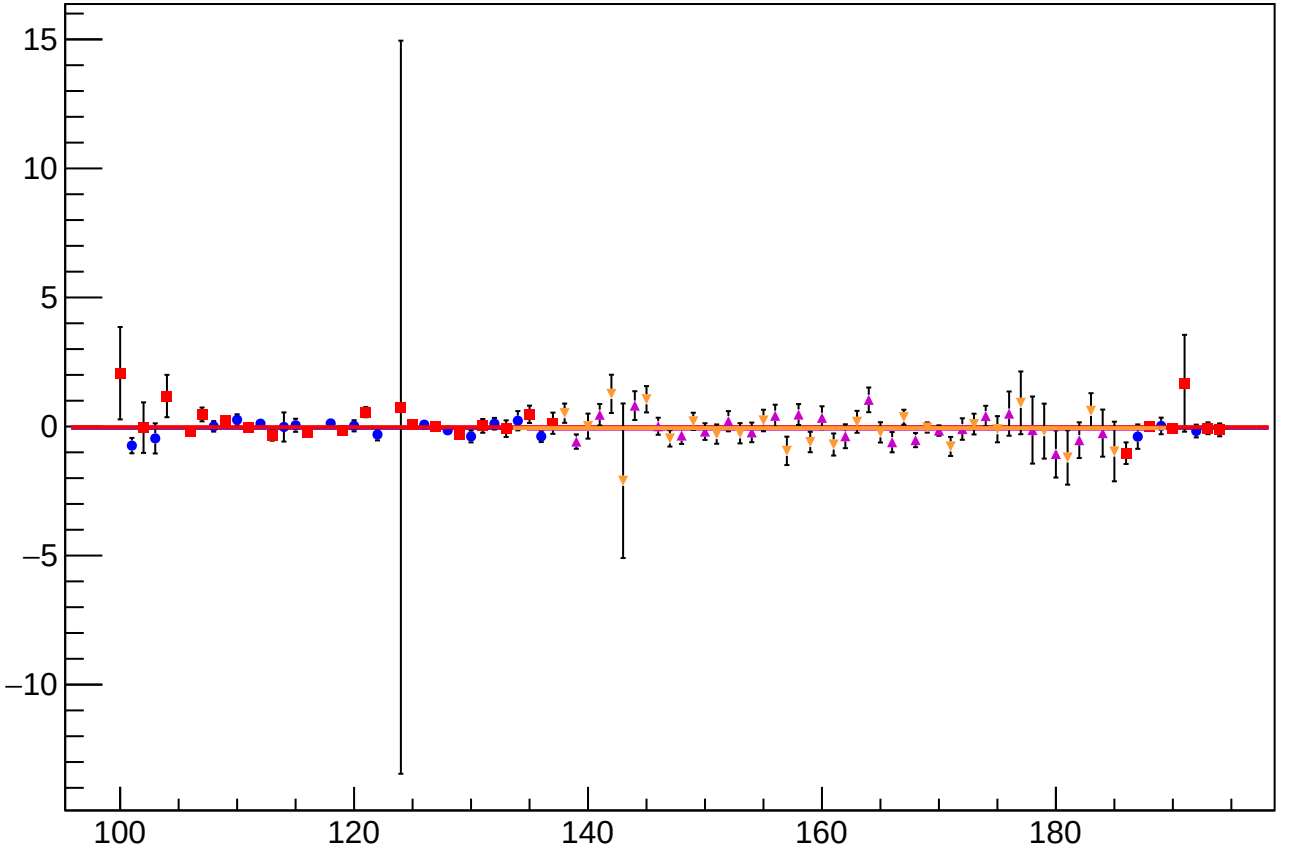
Right: 0.003+/-0.000 χ^2/NDF: 22475579.4/43

In: 0.006+/-0.000 χ^2/NDF:13829139.4/41

Out: 0.003+/-0.000 χ^2/NDF:29252010.9/49

All: 0.004+/-0.000 χ^2/NDF: 47567586.6/91

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.049+/-0.053 χ^2/NDF: 18.8/18

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.026+/-0.044 χ^2/NDF: 35.9/24

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

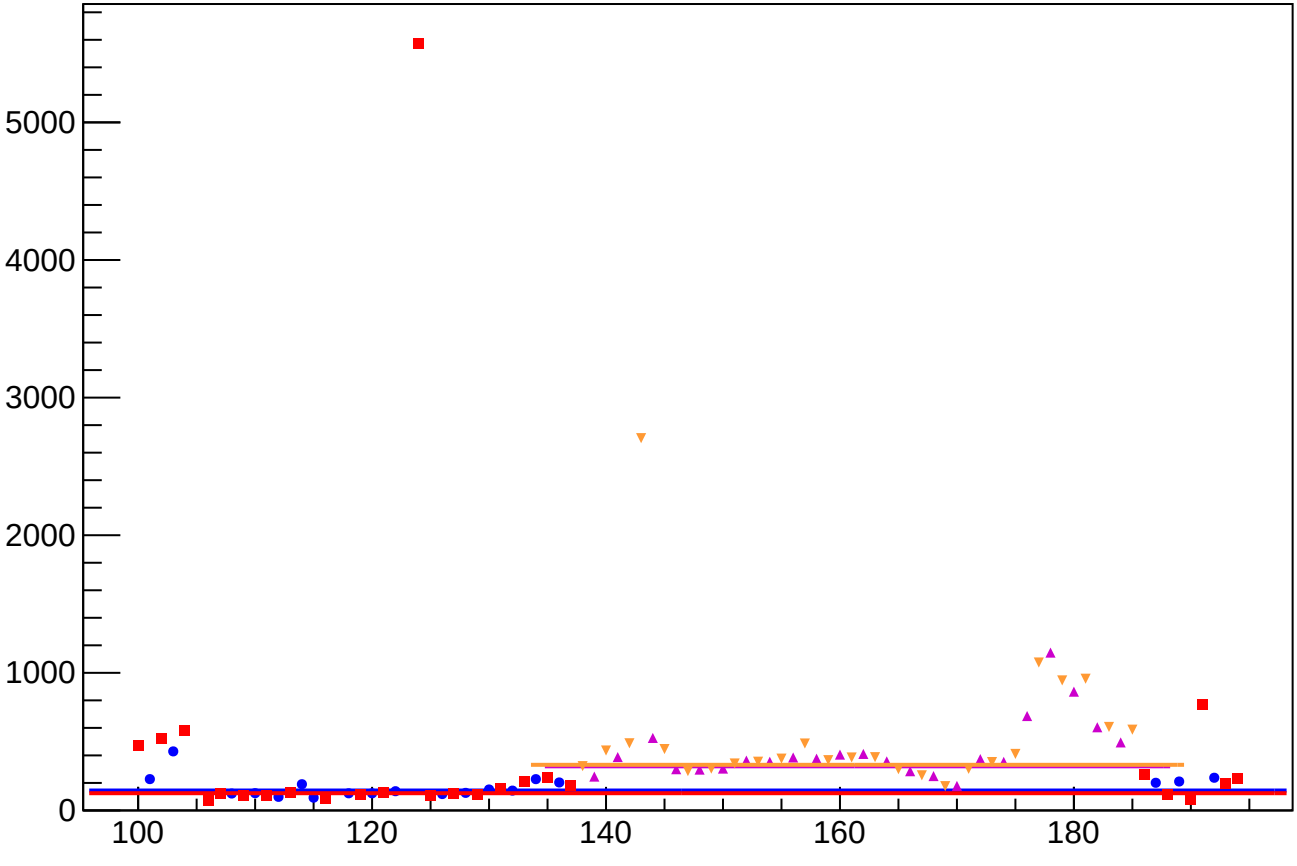
Right: -0.035+/-0.034 χ^2/NDF: 54.8/43

In: -0.059+/-0.045 χ^2/NDF:45.9/41

Out: -0.034+/-0.039 χ^2/NDF:66.8/49

All: -0.045+/-0.029 χ^2/NDF: 113.0/91

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.887+/-0.038 χ^2/NDF: 1697168.1/18

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 125.361+/-0.031 χ^2/NDF: 3360864.3/24

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

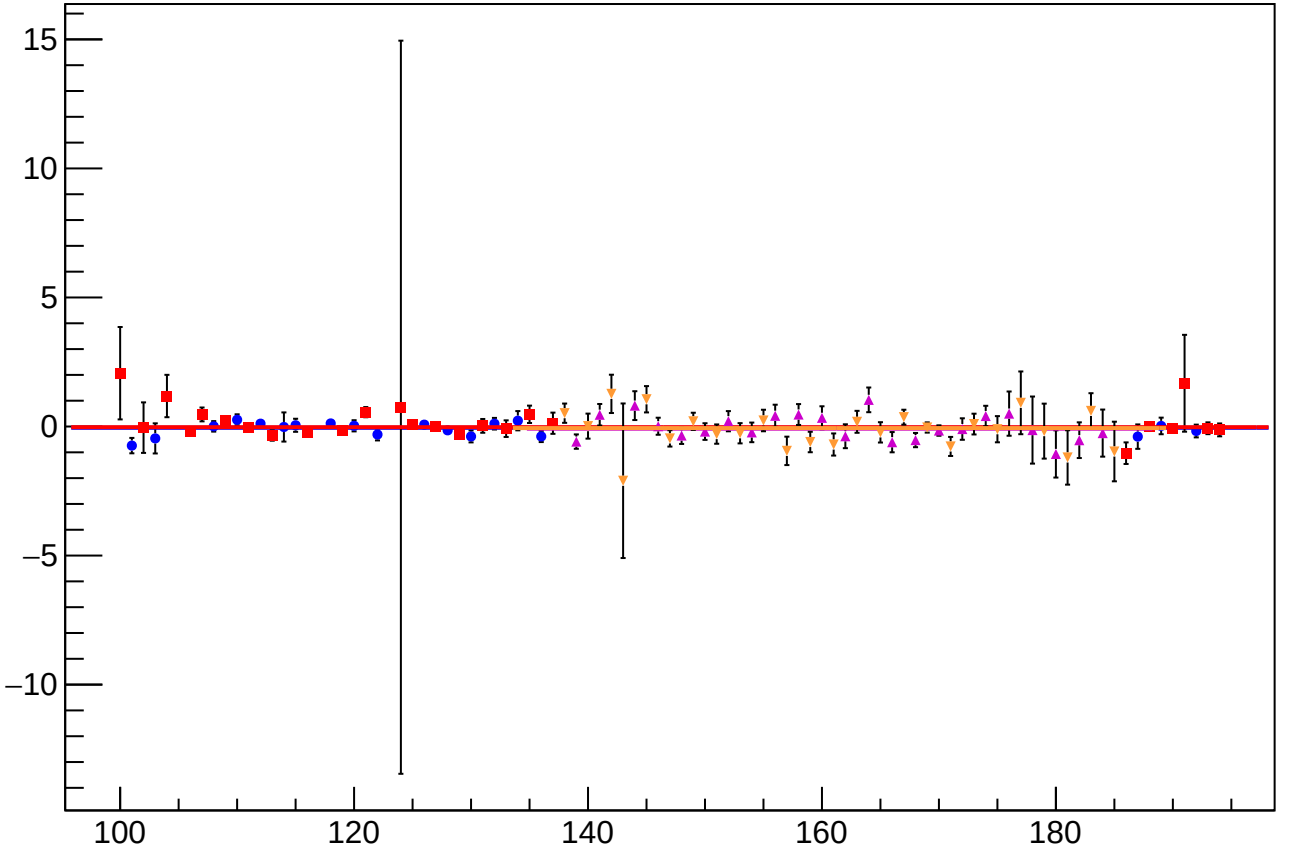
Right: 133.211+/-0.024 χ^2/NDF: 5218274.9/43

In: 197.952+/-0.032 χ^2/NDF:12504392.7/41

Out: 169.615+/-0.027 χ^2/NDF:18743468.9/49

All: 181.817+/-0.021 χ^2/NDF: 31708091.1/91

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.049+/-0.053 χ^2/NDF: 18.8/18

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.026+/-0.044 χ^2/NDF: 35.9/24

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

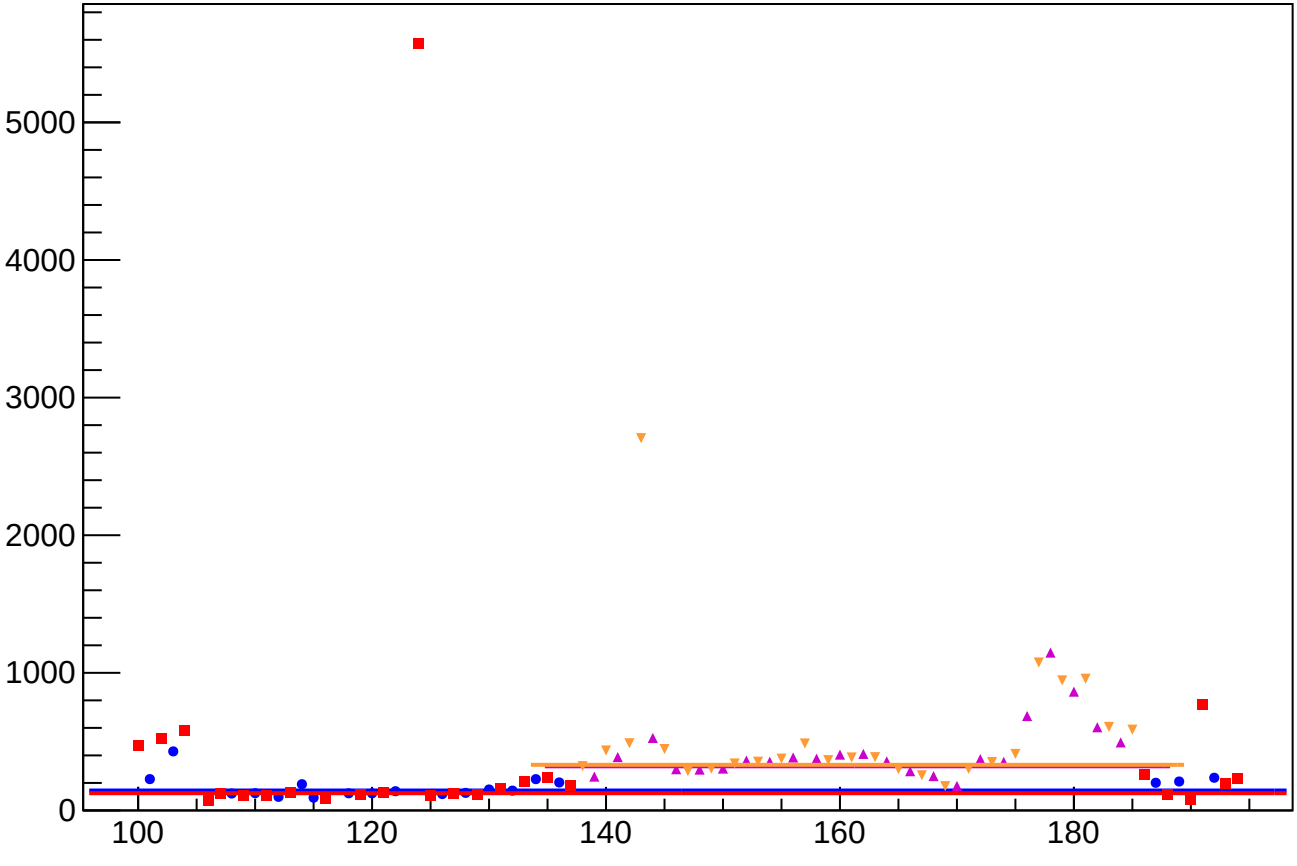
Right: -0.035+/-0.034 χ^2/NDF: 54.8/43

In: -0.059+/-0.045 χ^2/NDF:45.9/41

Out: -0.034+/-0.039 χ^2/NDF:66.8/49

All: -0.045+/-0.029 χ^2/NDF: 113.0/91

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.887+/-0.038 χ^2/NDF: 1697168.1/18

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 125.361+/-0.031 χ^2/NDF: 3360864.3/24

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

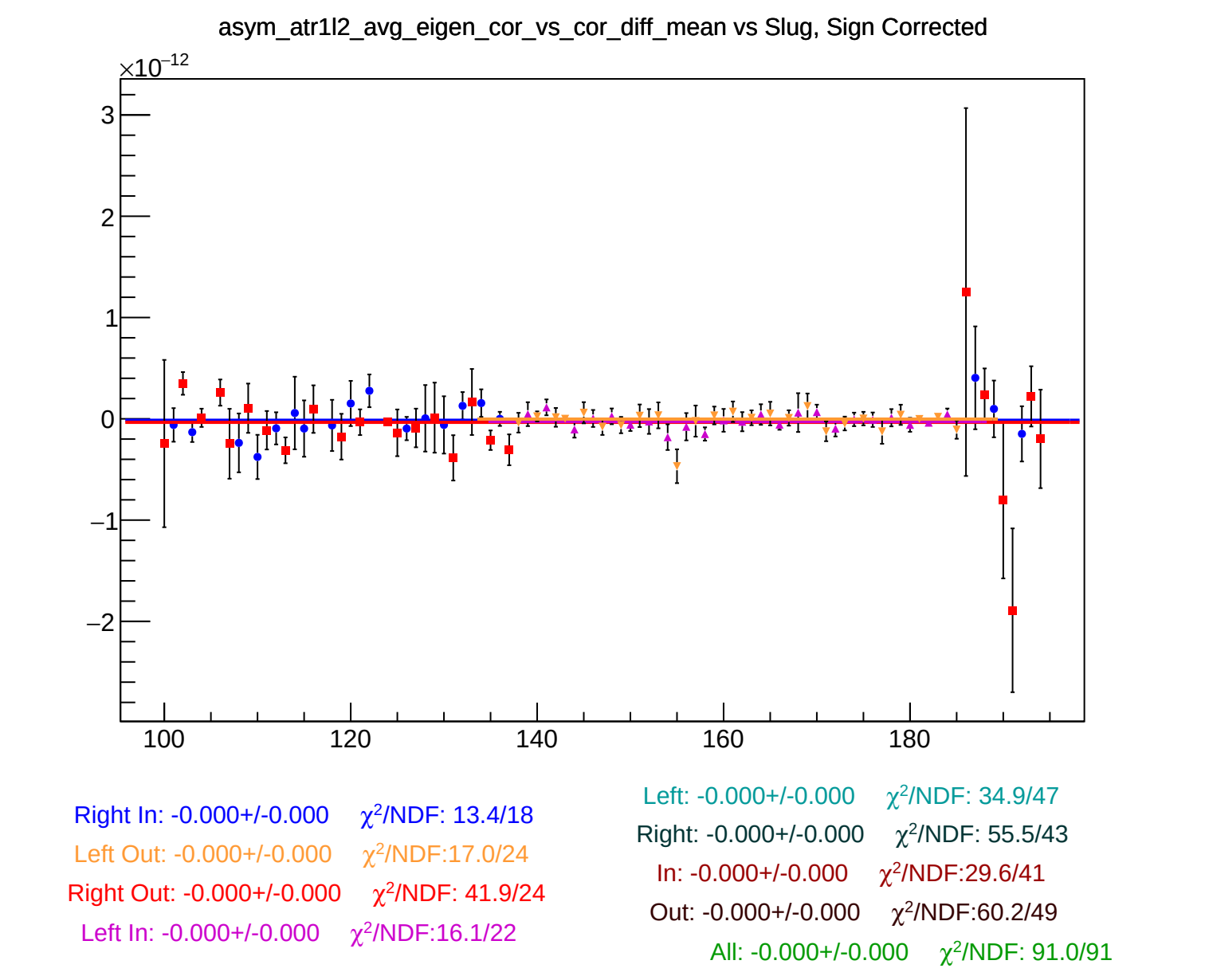
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

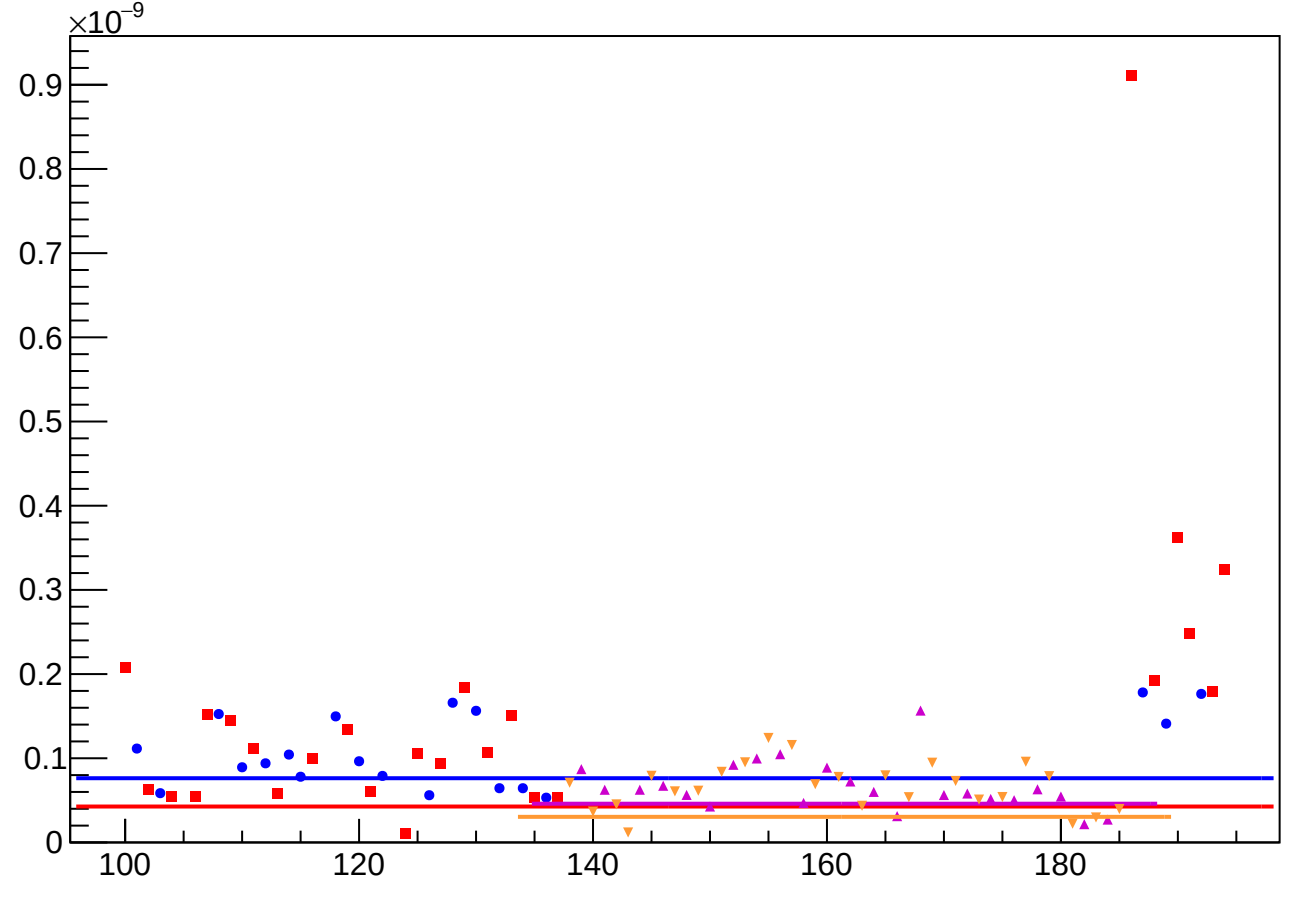
Right: 133.211+/-0.024 χ^2/NDF: 5218274.9/43

In: 197.952+/-0.032 χ^2/NDF:12504392.7/41

Out: 169.615+/-0.027 χ^2/NDF:18743468.9/49

All: 181.817+/-0.021 χ^2/NDF: 31708091.1/91


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
Right In: -0.000+/-0.000 χ²/NDF: 13.4/18
Left Out: -0.000+/-0.000 χ²/NDF:17.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 41.9/24
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: 55.5/43
In: -0.000+/-0.000 χ²/NDF:29.6/41
Out: -0.000+/-0.000 χ²/NDF:60.2/49
All: -0.000+/-0.000 χ²/NDF: 91.0/91



Right In: 0.000+/-0.000 χ^2/NDF: 1603623.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7016350.7/24

Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

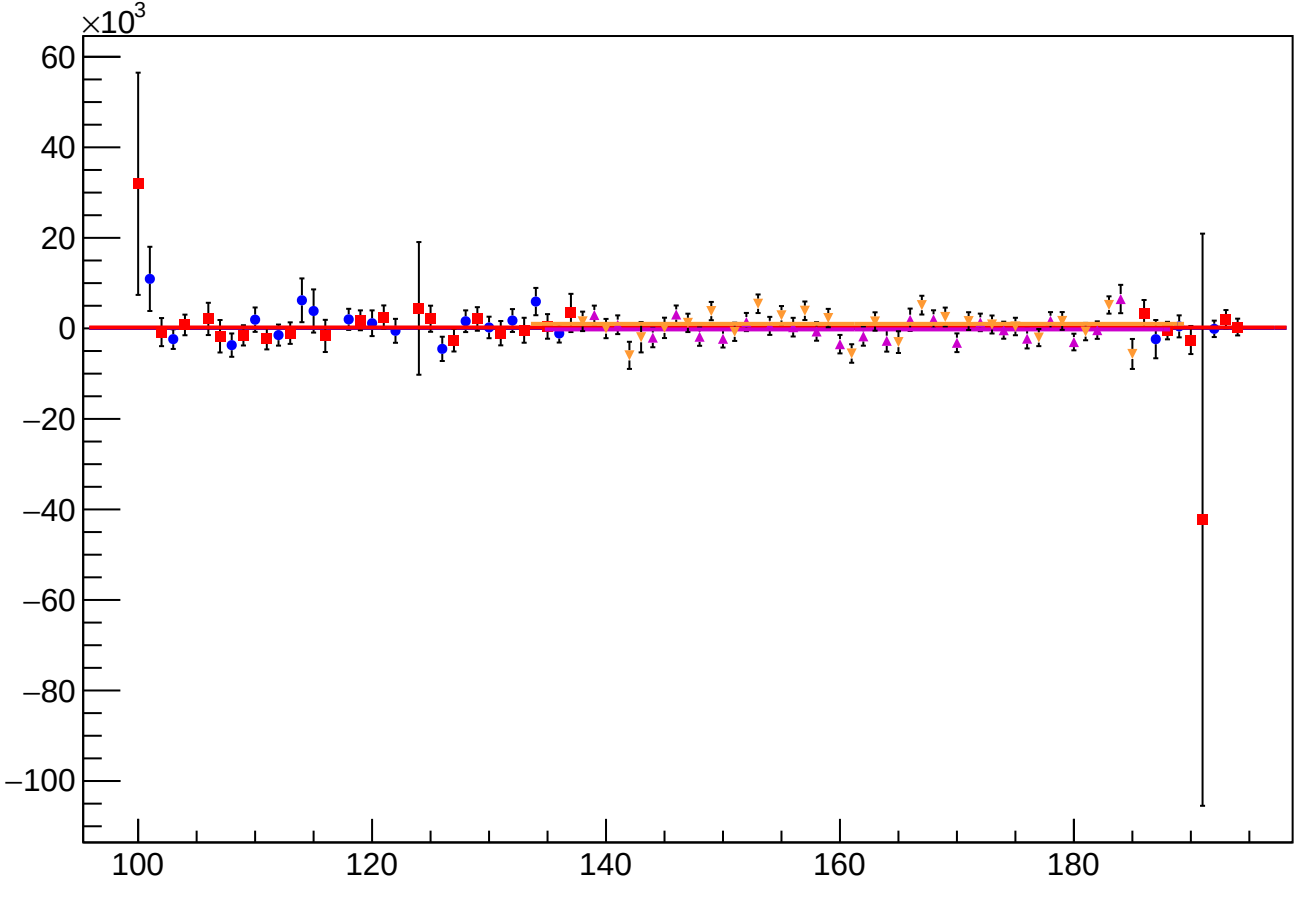
Left: 0.000+/-0.000 χ^2/NDF: 16912386.2/47

Right: 0.000+/-0.000 χ^2/NDF: 9771673.5/43

In: 0.000+/-0.000 χ^2/NDF:7694152.3/41

Out: 0.000+/-0.000 χ^2/NDF:17935711.9/49

All: 0.000+/-0.000 χ^2/NDF: 27903704.9/91



Right In: 90.113+/-600.110 χ^2/NDF: 18.0/18

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: 195.047+/-546.793 χ^2/NDF: 12.2/24

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

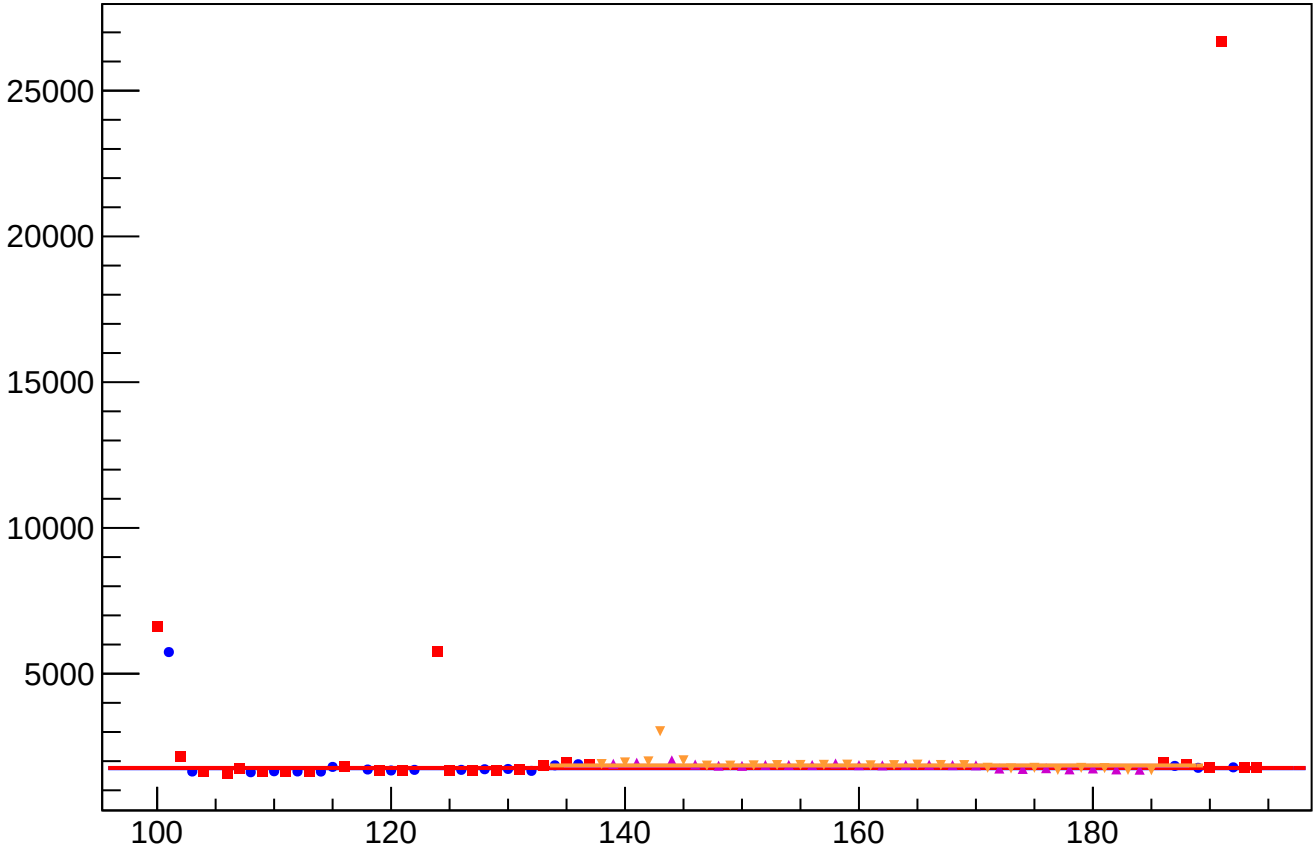
Right: 147.448+/-404.179 χ^2/NDF: 30.3/43

In: -121.055+/-349.371 χ^2/NDF:44.6/41

Out: 701.608+/-334.365 χ^2/NDF:60.9/49

All: 308.323+/-241.563 χ^2/NDF: 108.4/91

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1757.023+/-0.424 χ^2/NDF: 671148.6/18

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1767.097+/-0.385 χ^2/NDF: 637755.8/24

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

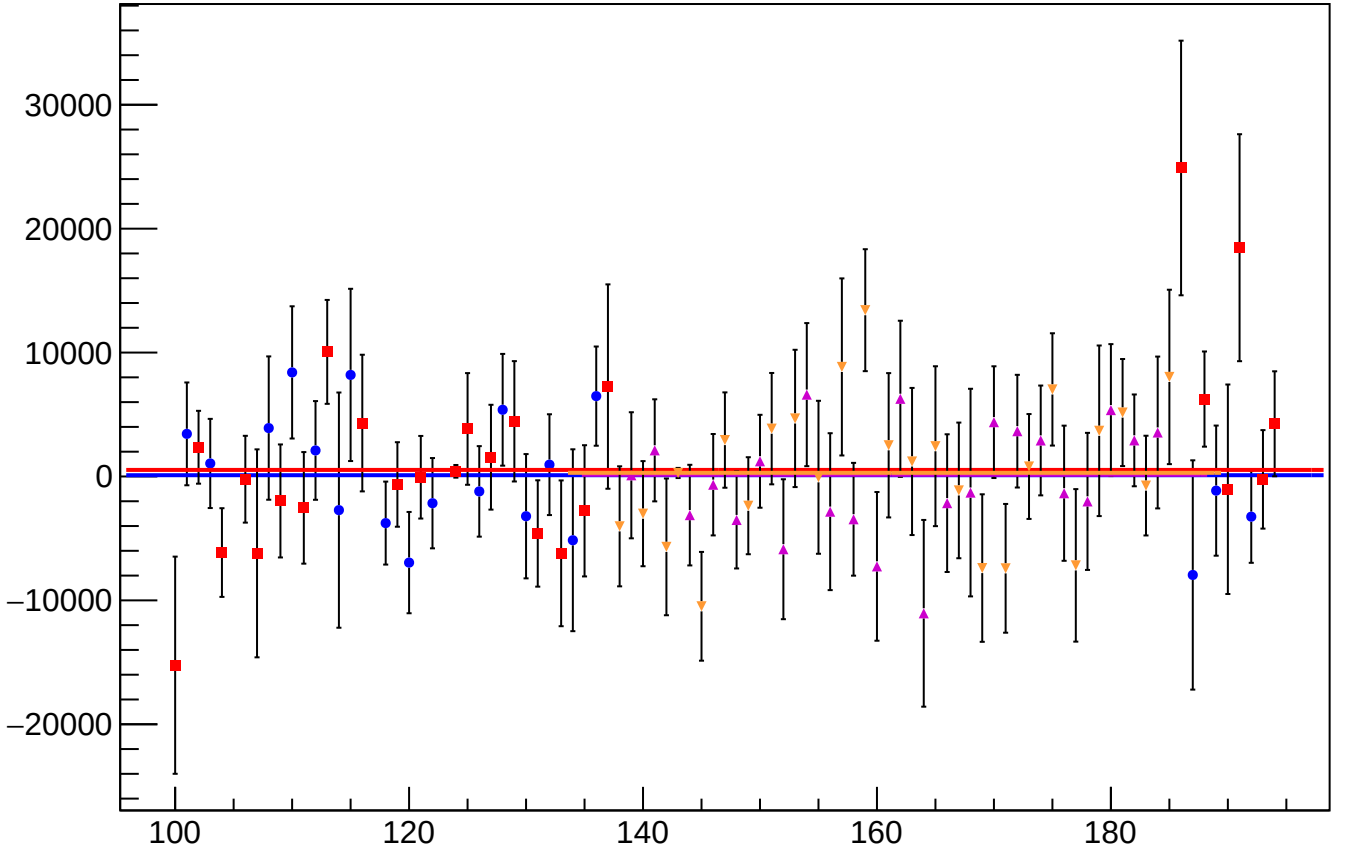
Right: 1762.553+/-0.285 χ^2/NDF: 1309213.8/43

In: 1810.903+/-0.247 χ^2/NDF:764015.1/41

Out: 1820.380+/-0.236 χ^2/NDF:989561.4/49

All: 1815.859+/-0.171 χ^2/NDF: 1754346.0/91

asym_atr1l2_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 101.255+/-1028.849 χ^2/NDF: 16.6/18

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: 528.905+/-447.638 χ^2/NDF: 31.9/24

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

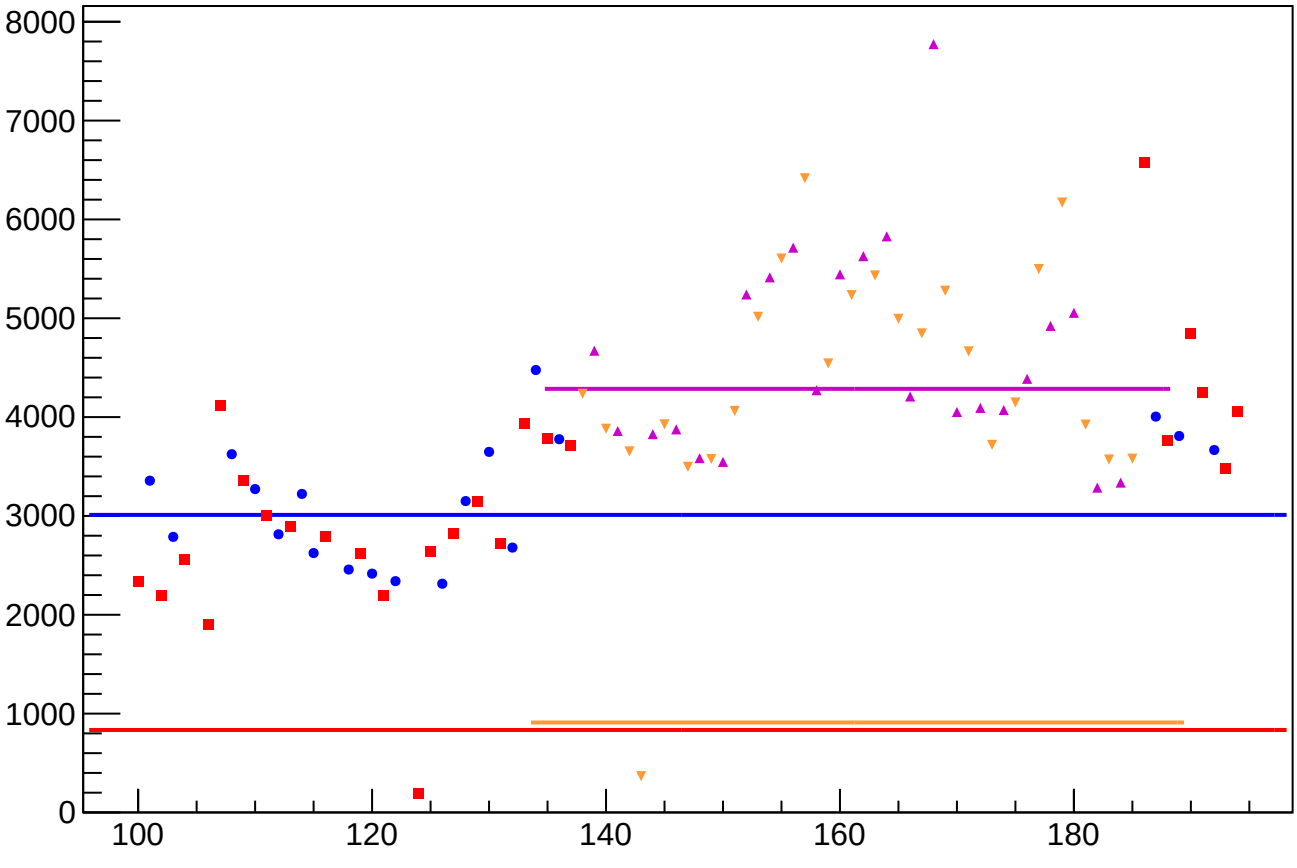
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 460.836+/-410.470 χ^2/NDF: 48.7/43

In: 119.909+/-725.409 χ^2/NDF:30.5/41

Out: 392.595+/-289.659 χ^2/NDF:62.1/49

All: 355.096+/-269.006 χ^2/NDF: 92.8/91



Right In: 3010.592+/-0.728 χ^2/NDF: 629887.8/18

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 834.394+/-0.317 χ^2/NDF: 14908213.9/24

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

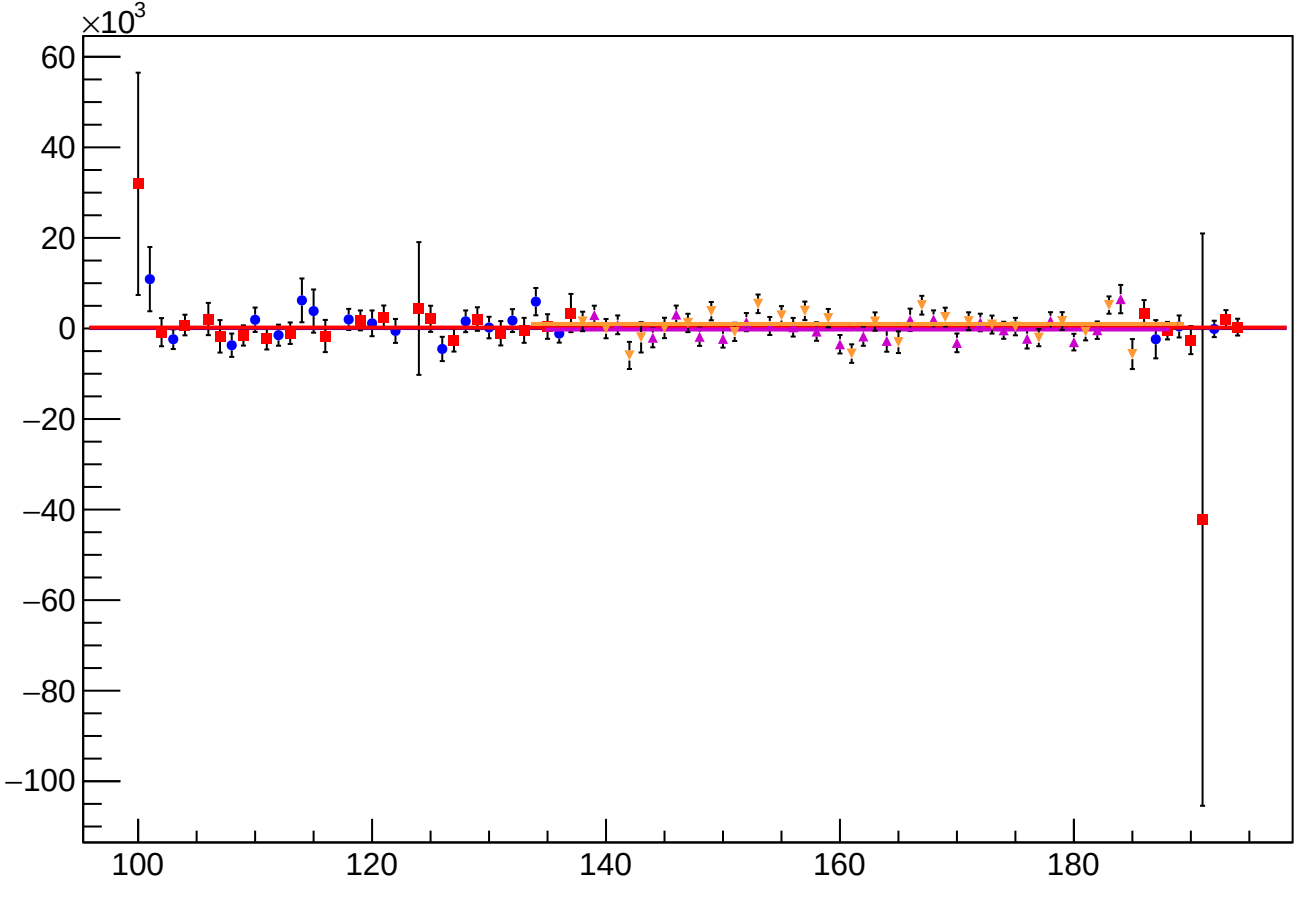
Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

Right: 1180.778+/-0.290 χ^2/NDF: 23061822.0/43

In: 3651.886+/-0.513 χ^2/NDF:3503011.7/41

Out: 878.421+/-0.205 χ^2/NDF:41715621.0/49

All: 1259.822+/-0.190 χ^2/NDF: 70433681.5/9



Right In: 89.732+/-600.110 χ^2/NDF: 18.0/18

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 195.072+/-546.793 χ^2/NDF: 12.2/24

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

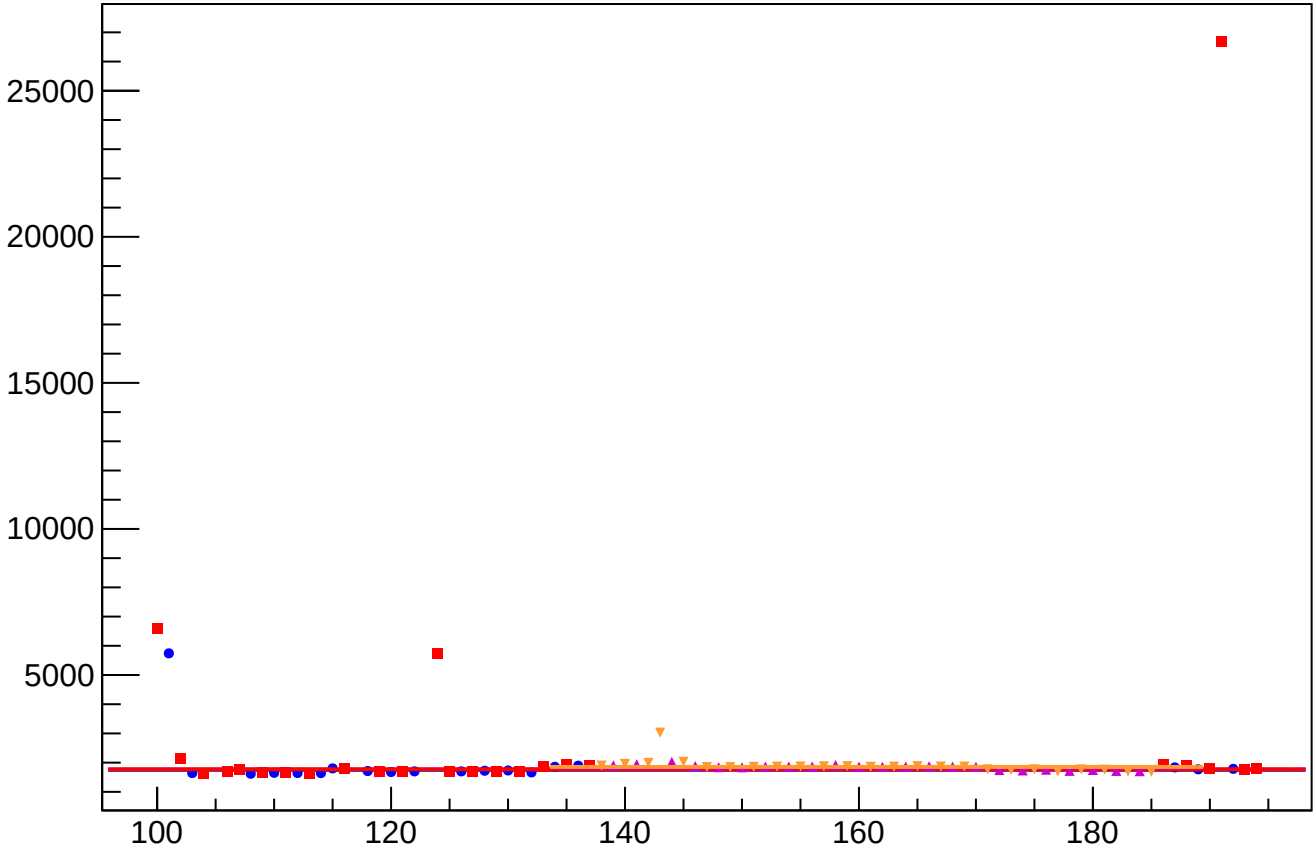
Right: 147.288+/-404.179 χ^2/NDF: 30.3/43

In: -121.128+/-349.371 χ^2/NDF:44.6/41

Out: 701.591+/-334.365 χ^2/NDF:60.9/49

All: 308.279+/-241.563 χ^2/NDF: 108.4/91

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1757.023+/-0.424 χ^2/NDF: 671148.8/18

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1771.915+/-0.386 χ^2/NDF: 629470.5/24

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

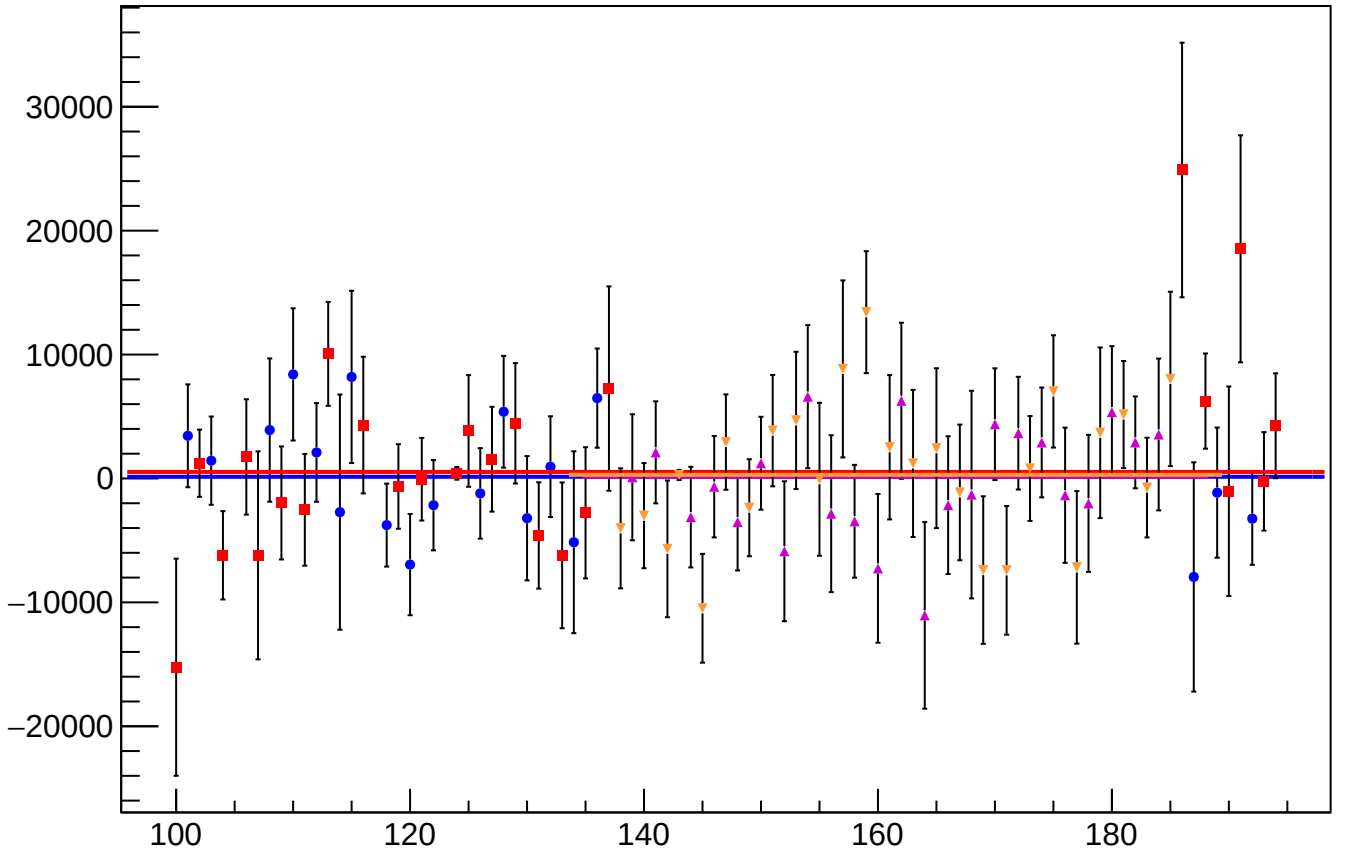
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1765.179+/-0.285 χ^2/NDF: 1301293.8/43

In: 1810.903+/-0.247 χ^2/NDF:764015.5/41

Out: 1822.289+/-0.236 χ^2/NDF:977818.0/49

All: 1816.851+/-0.171 χ^2/NDF: 1742943.2/91



Right In: 135.066+/-1028.002 χ^2/NDF: 16.7/18

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 527.537+/-448.492 χ^2/NDF: 31.8/24

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

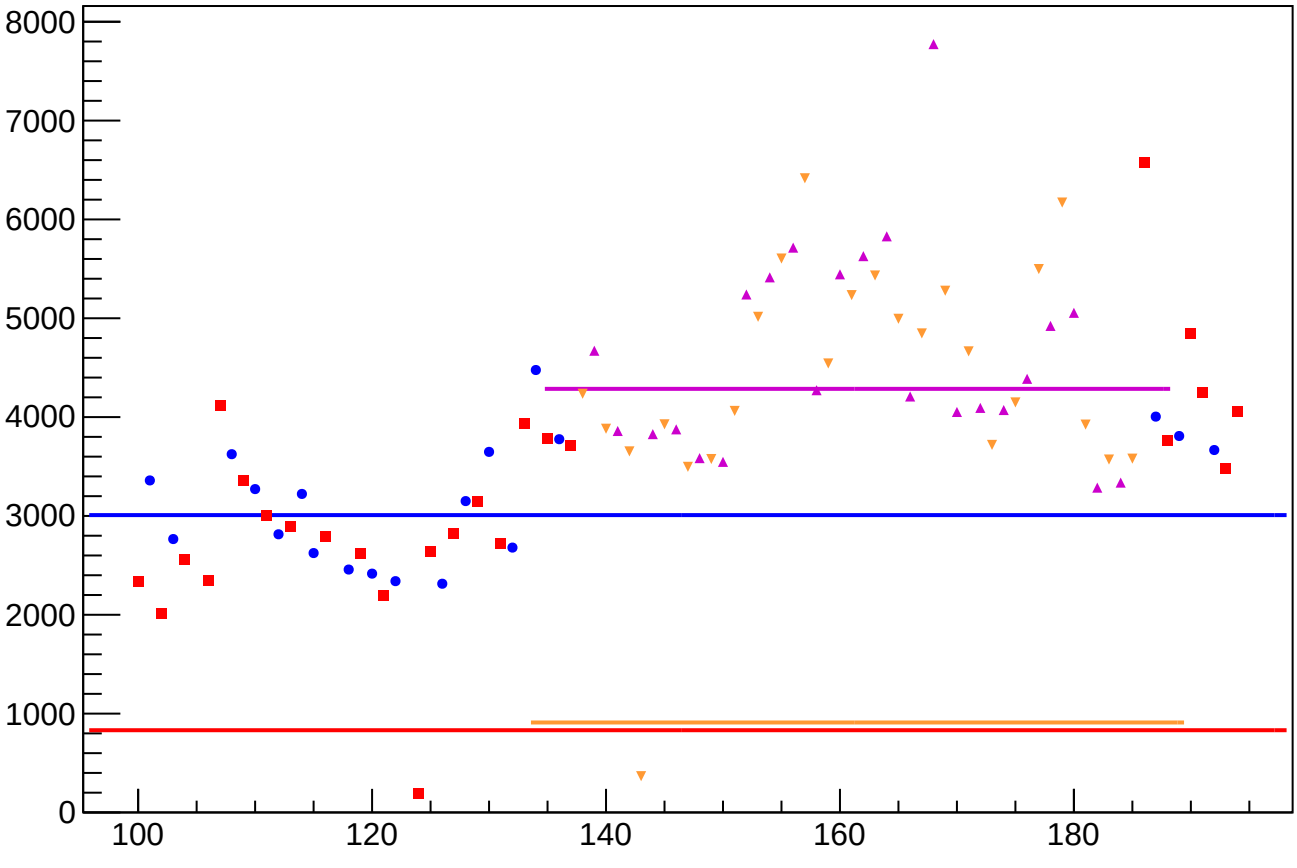
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 464.781+/-411.074 χ^2/NDF: 48.6/43

In: 136.677+/-725.111 χ^2/NDF:30.6/41

Out: 392.340+/-289.903 χ^2/NDF:61.9/49

All: 357.106+/-269.187 χ^2/NDF: 92.6/91



Right In: 3008.497+/-0.727 χ^2/NDF: 631853.5/18

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 832.025+/-0.317 χ^2/NDF: 14872841.4/24

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

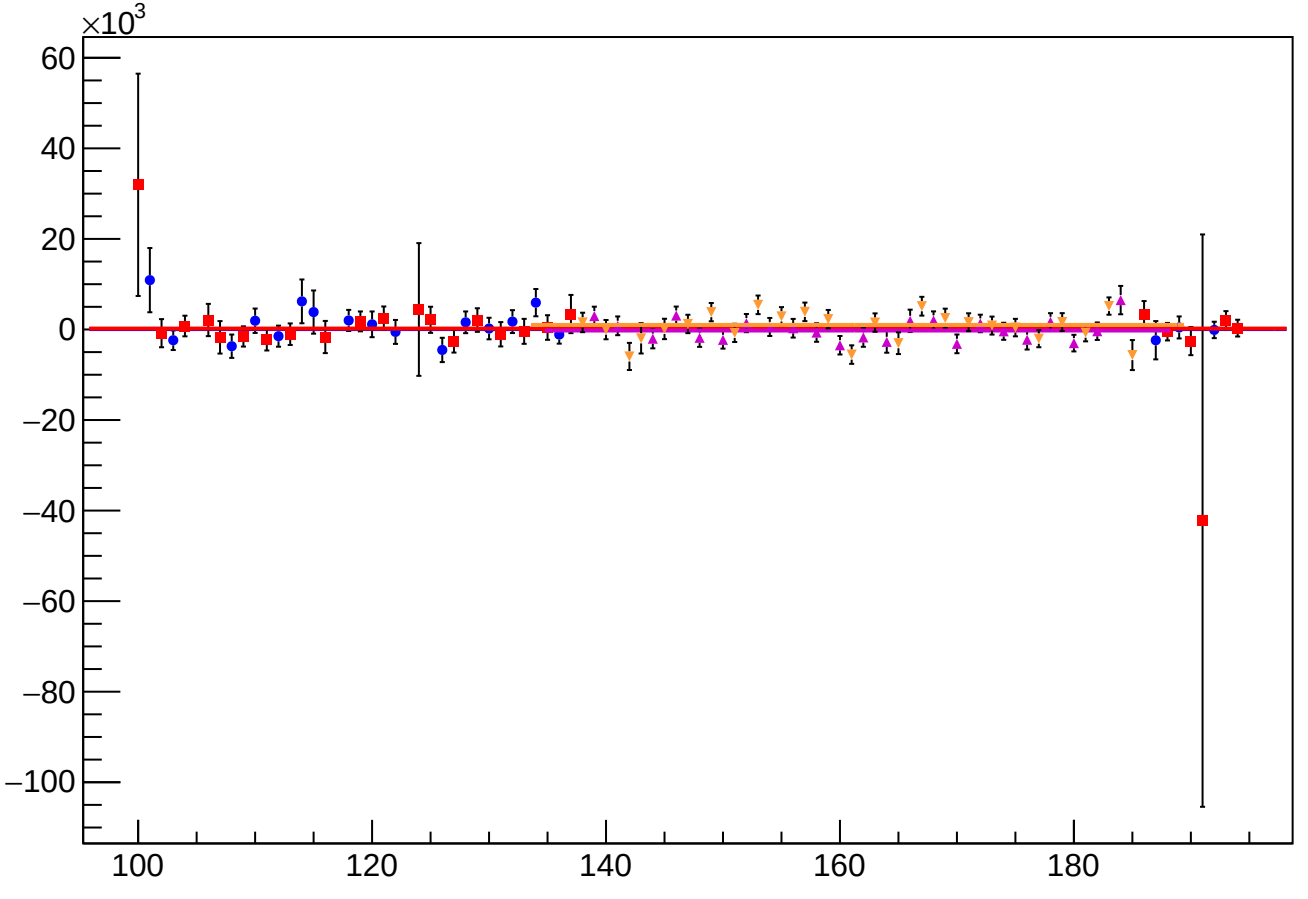
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1180.045+/-0.291 χ^2/NDF: 23036146.3/43

In: 3650.315+/-0.513 χ^2/NDF:3511335.6/41

Out: 877.568+/-0.205 χ^2/NDF:41681234.8/49

All: 1259.695+/-0.190 χ^2/NDF: 70406572.2/9



Right In: 89.732+/-600.110 χ^2/NDF: 18.0/18

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 195.072+/-546.793 χ^2/NDF: 12.2/24

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

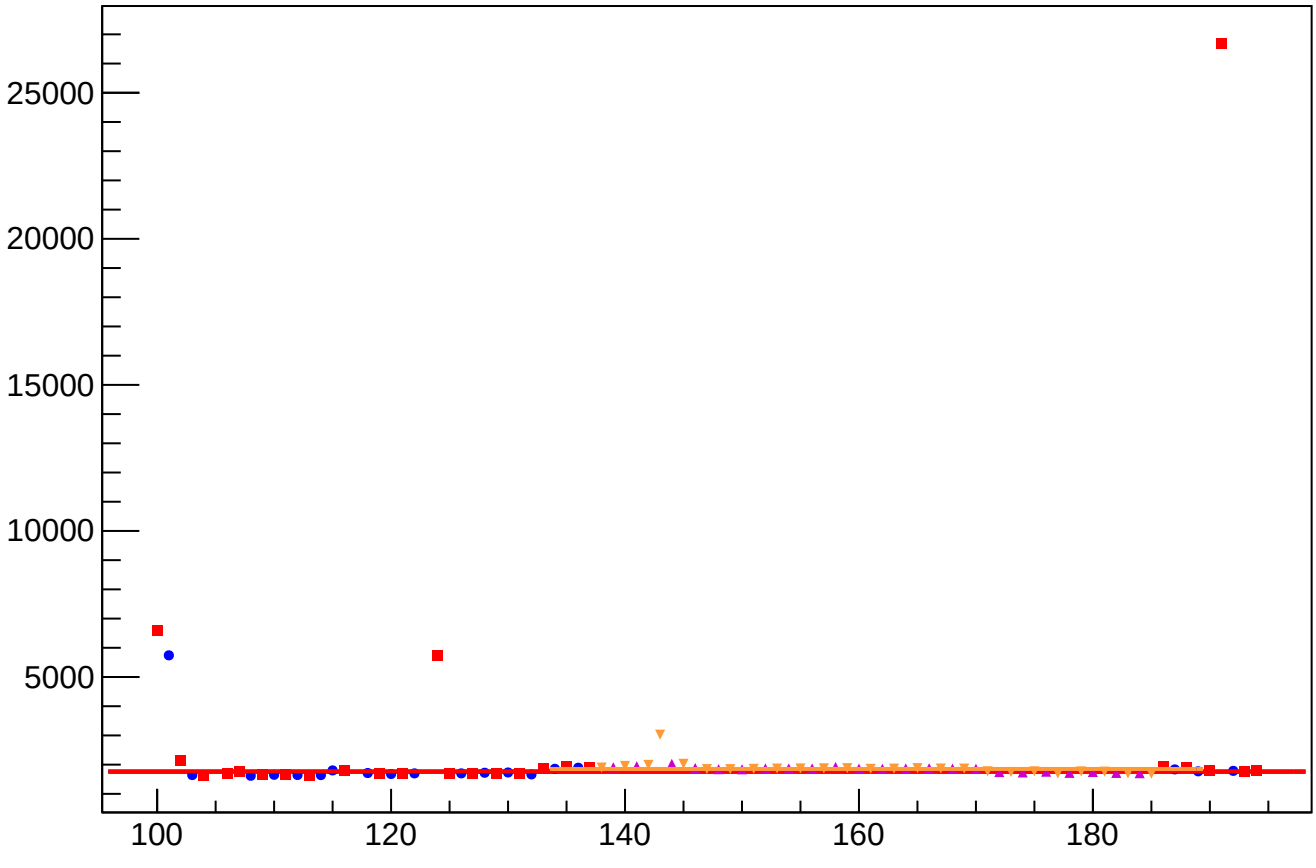
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: 147.288+/-404.179 χ^2/NDF: 30.3/43

In: -121.128+/-349.371 χ^2/NDF:44.6/41

Out: 701.591+/-334.365 χ^2/NDF:60.9/49

All: 308.279+/-241.563 χ^2/NDF: 108.4/91



Right In: 1757.023+/-0.424 χ^2/NDF: 671148.8/18

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1771.915+/-0.386 χ^2/NDF: 629470.5/24

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

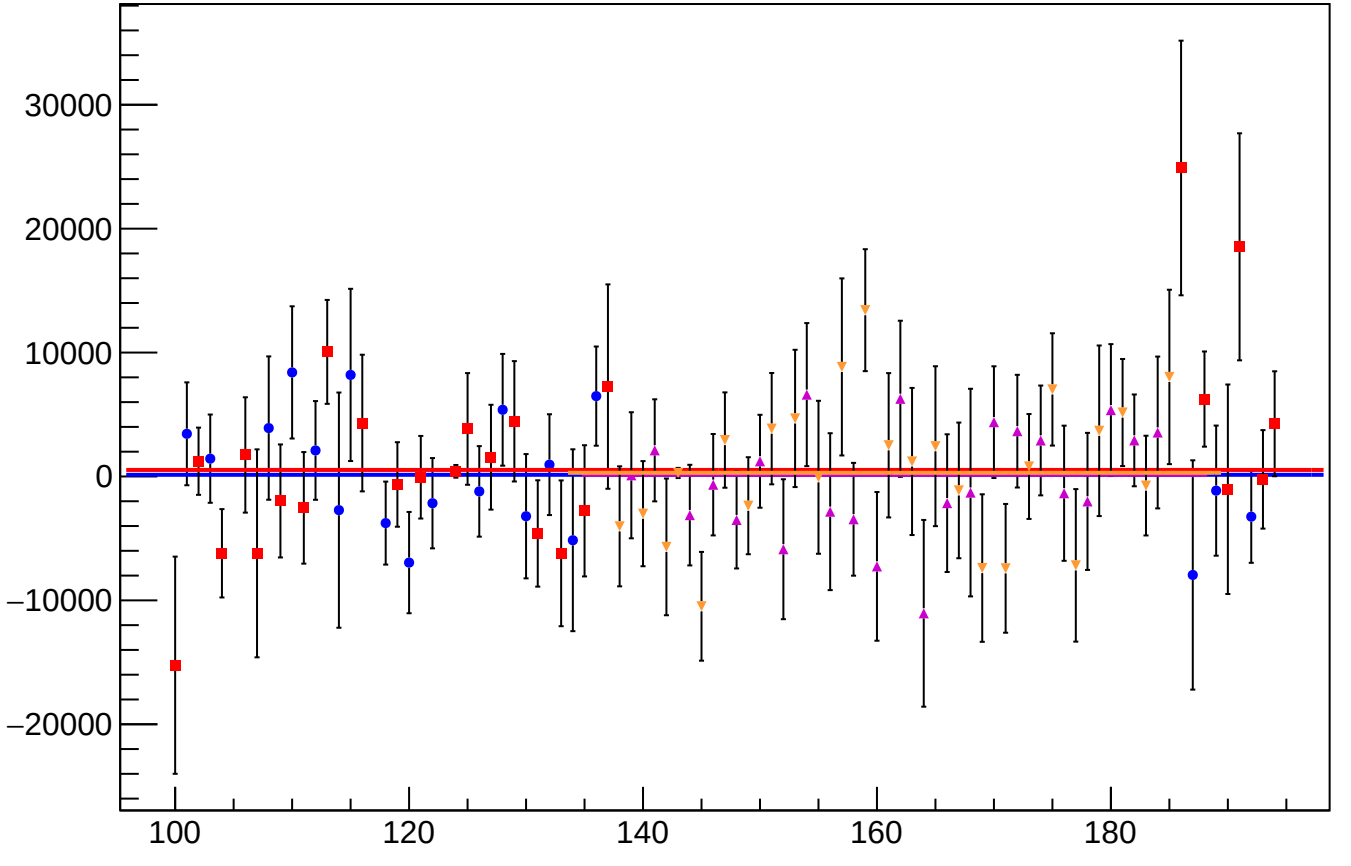
Right: 1765.179+/-0.285 χ^2/NDF: 1301293.8/43

In: 1810.903+/-0.247 χ^2/NDF:764015.5/41

Out: 1822.289+/-0.236 χ^2/NDF:977818.0/49

All: 1816.851+/-0.171 χ^2/NDF: 1742943.2/91

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 135.066+/-1028.002 χ^2/NDF: 16.7/18

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 527.537+/-448.492 χ^2/NDF: 31.8/24

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

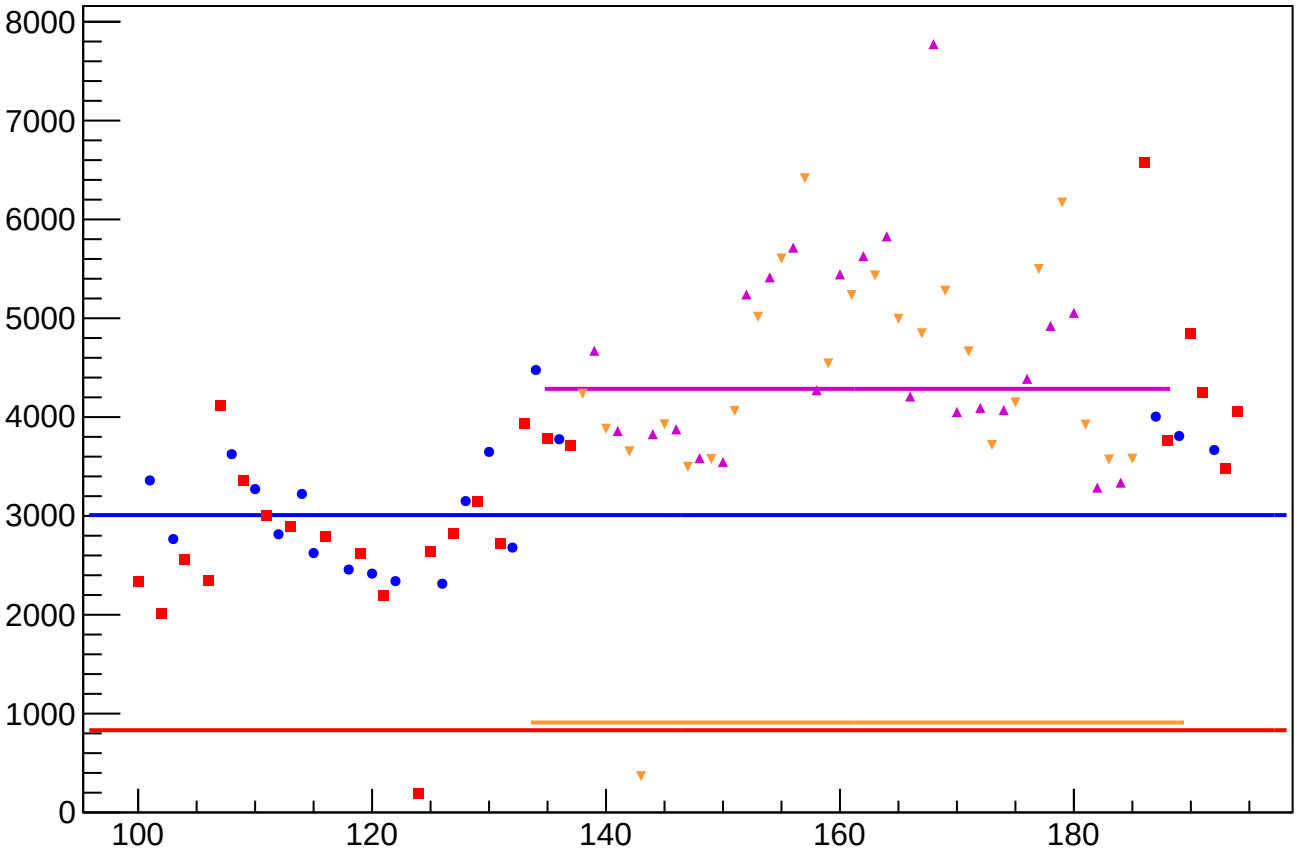
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 464.781+/-411.074 χ^2/NDF: 48.6/43

In: 136.677+/-725.111 χ^2/NDF:30.6/41

Out: 392.340+/-289.903 χ^2/NDF:61.9/49

All: 357.106+/-269.187 χ^2/NDF: 92.6/91



Right In: 3008.497+/-0.727 χ^2/NDF: 631853.5/18

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 832.025+/-0.317 χ^2/NDF: 14872841.4/24

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

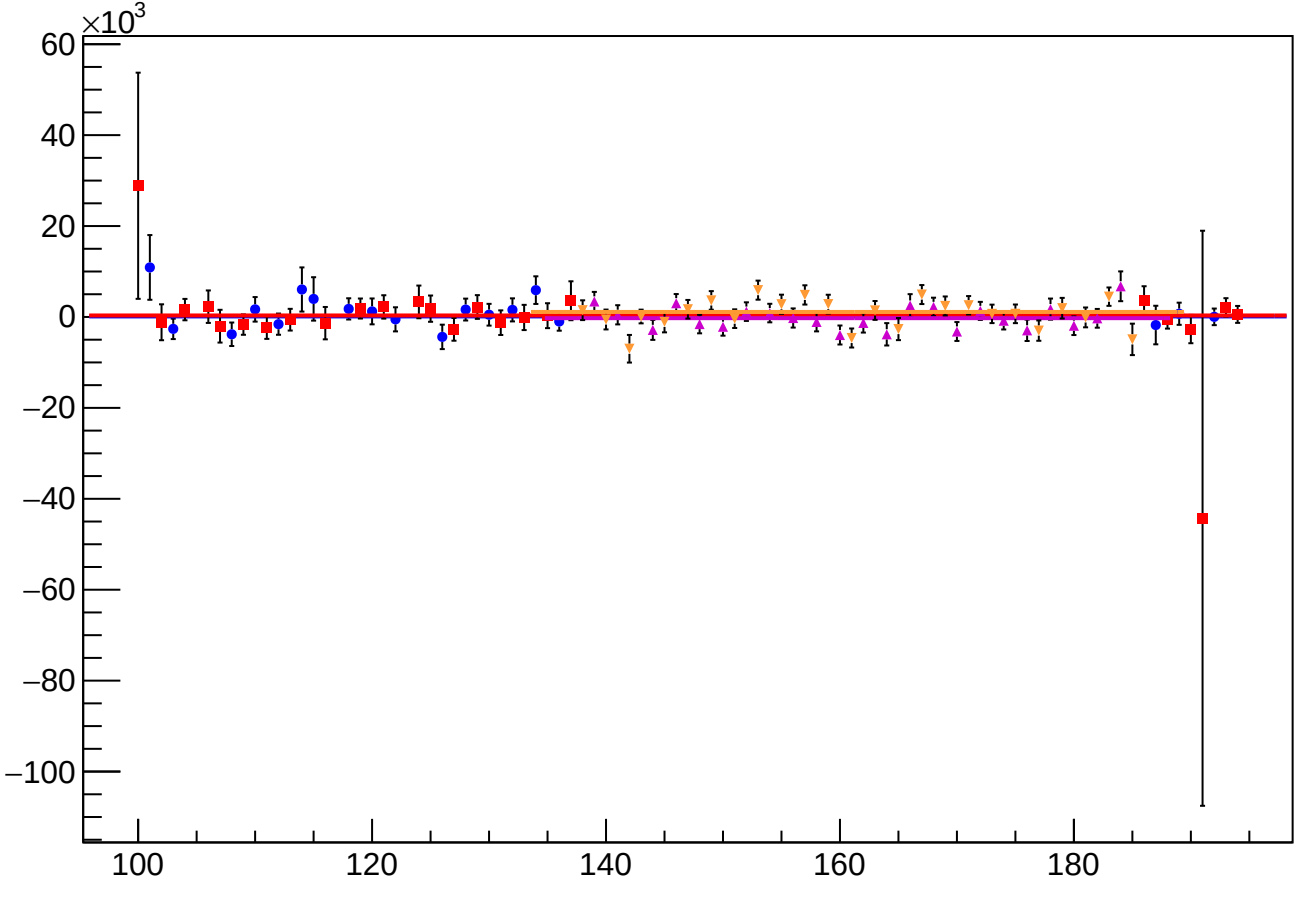
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1180.045+/-0.291 χ^2/NDF: 23036146.3/43

In: 3650.315+/-0.513 χ^2/NDF:3511335.6/41

Out: 877.568+/-0.205 χ^2/NDF:41681234.8/49

All: 1259.695+/-0.190 χ^2/NDF: 70406572.2/9



Right In: 118.286+/-604.030 χ^2/NDF: 17.5/18

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: 330.108+/-546.859 χ^2/NDF: 13.4/24

Left In: -264.609+/-445.353 χ^2/NDF:27.7/22

Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

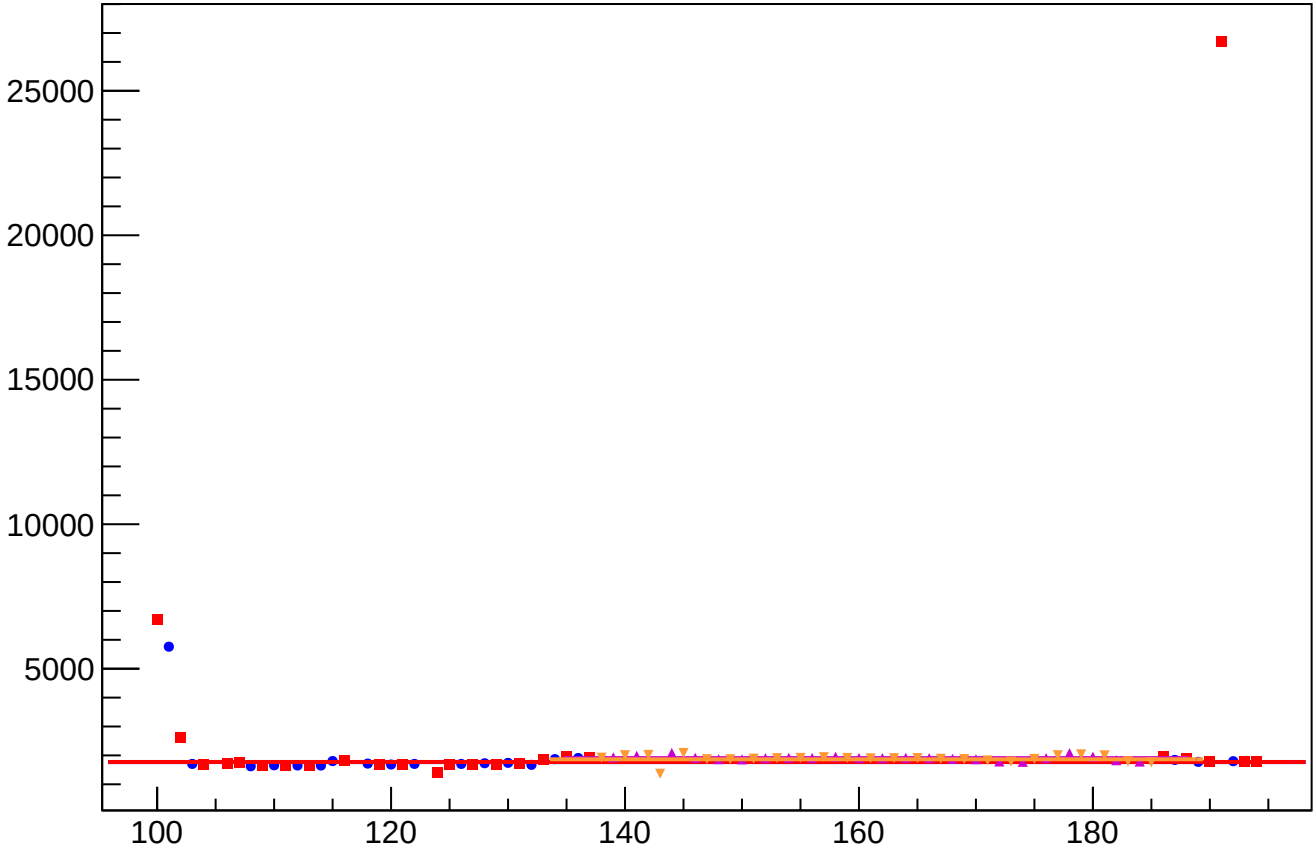
Right: 234.694+/-405.397 χ^2/NDF: 31.0/43

In: -129.764+/-358.455 χ^2/NDF:45.5/41

Out: 811.884+/-335.732 χ^2/NDF:59.5/49

All: 371.850+/-245.038 χ^2/NDF: 108.6/91

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1768.618+/-0.427 χ^2/NDF: 669081.9/18

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1772.600+/-0.386 χ^2/NDF: 560579.3/24

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

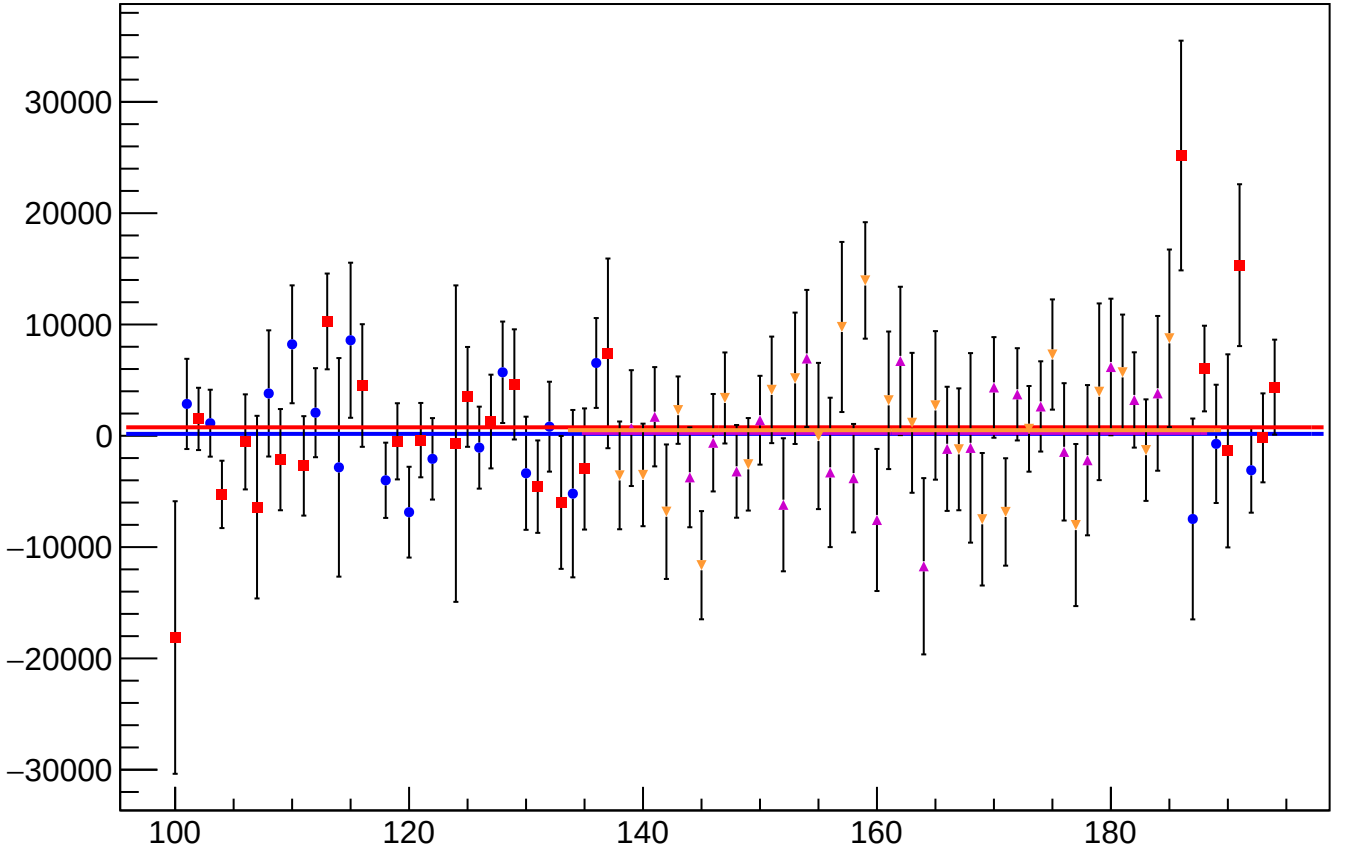
Right: 1770.810+/-0.286 χ^2/NDF: 1229709.1/43

In: 1857.377+/-0.253 χ^2/NDF:788525.2/41

Out: 1829.987+/-0.237 χ^2/NDF:890836.0/49

All: 1842.776+/-0.173 χ^2/NDF: 1685586.0/91

asym_atr1l2_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 172.625+/-1014.593 χ^2/NDF: 16.5/18

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: 763.395+/-918.246 χ^2/NDF: 31.2/24

Left In: 261.050+/-1081.402 χ^2/NDF:13.6/22

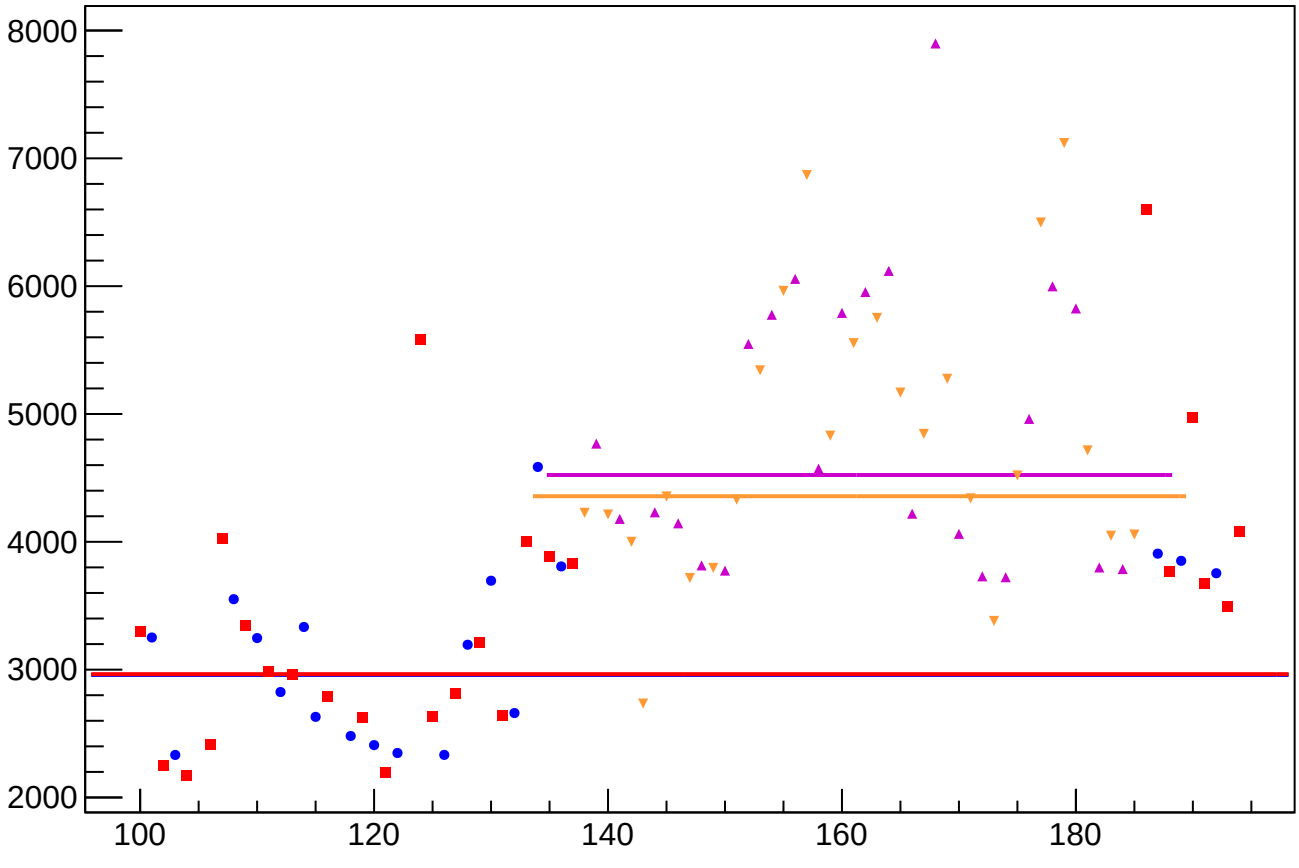
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: 497.385+/-680.819 χ^2/NDF: 47.9/43

In: 214.022+/-739.917 χ^2/NDF:30.1/41

Out: 647.606+/-682.949 χ^2/NDF:61.3/49

All: 448.146+/-501.851 χ^2/NDF: 91.6/91



Right In: 2958.722+/-0.717 χ^2/NDF: 730034.5/18

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 2964.647+/-0.649 χ^2/NDF: 1348840.1/24

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

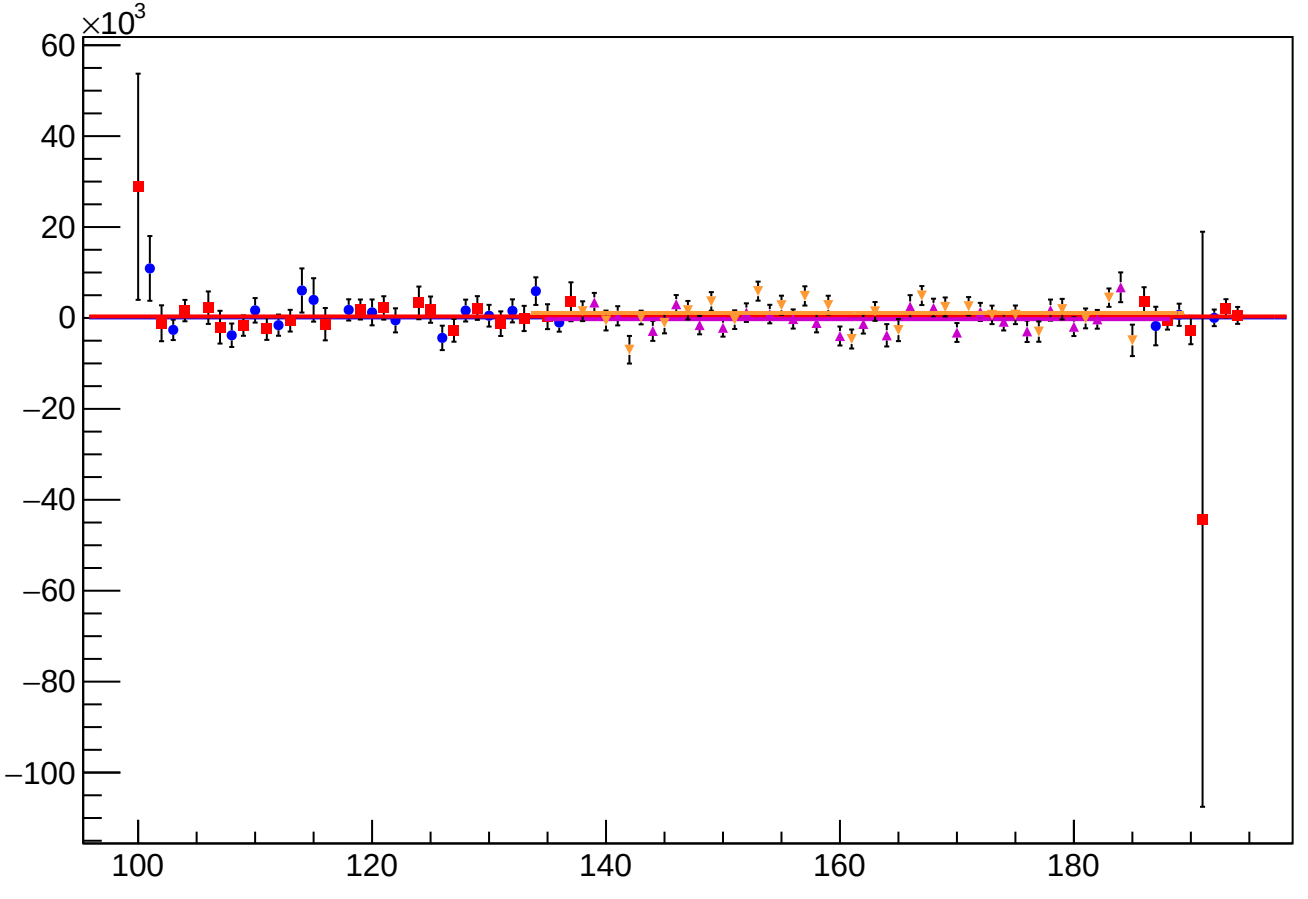
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 2961.979+/-0.481 χ^2/NDF: 2078912.1/43

In: 3690.951+/-0.523 χ^2/NDF:4389138.0/41

Out: 3586.634+/-0.483 χ^2/NDF:5314835.8/49

All: 3634.622+/-0.355 χ^2/NDF: 9725439.6/91



Right In: 118.285+/-604.030 χ^2/NDF: 17.5/18

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: 330.105+/-546.859 χ^2/NDF: 13.4/24

Left In: -264.609+/-445.354 χ^2/NDF:27.7/22

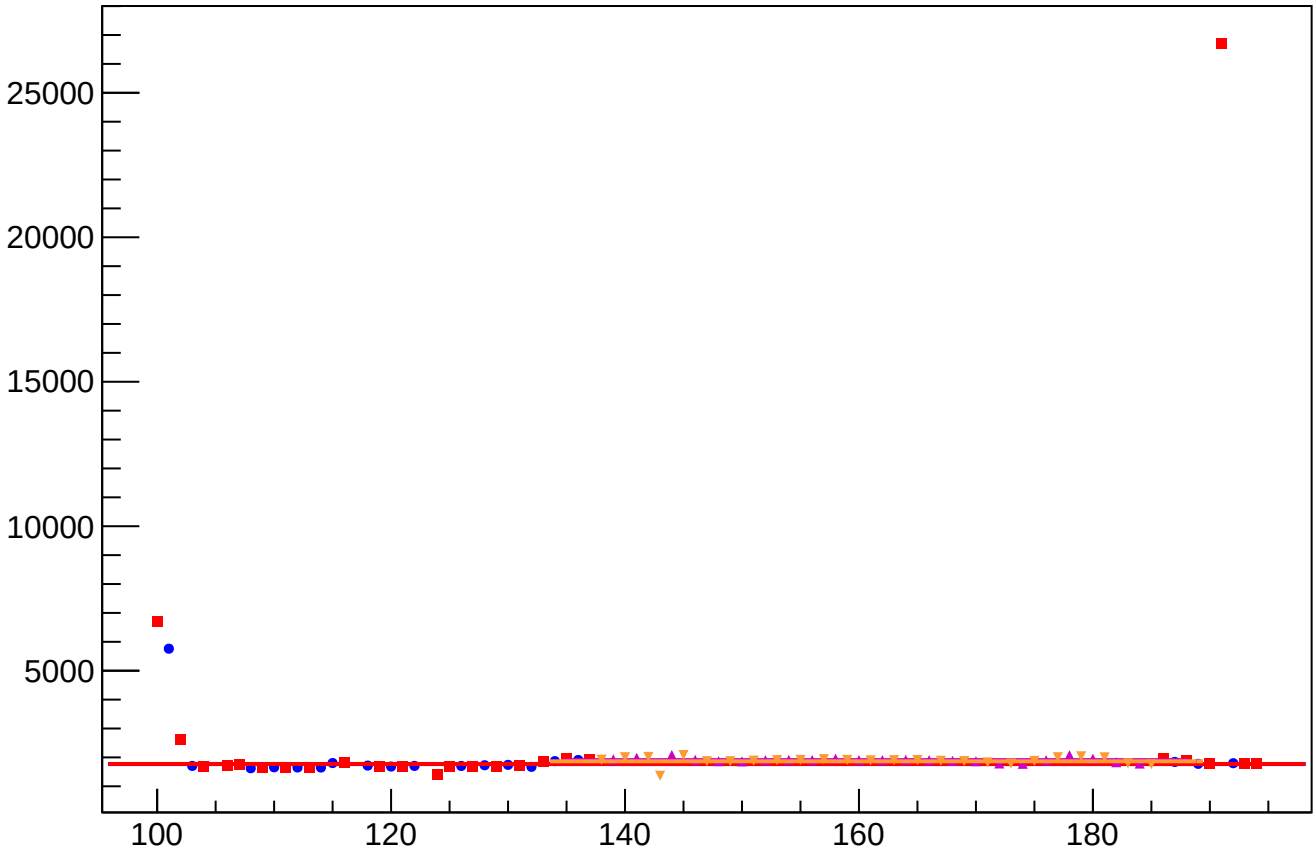
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: 234.691+/-405.397 χ^2/NDF: 31.0/43

In: -129.765+/-358.455 χ^2/NDF:45.5/41

Out: 811.884+/-335.732 χ^2/NDF:59.5/49

All: 371.850+/-245.038 χ^2/NDF: 108.6/91



Right In: 1768.618+/-0.427 χ^2/NDF: 669081.9/18

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

Right Out: 1772.600+/-0.386 χ^2/NDF: 560579.3/24

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

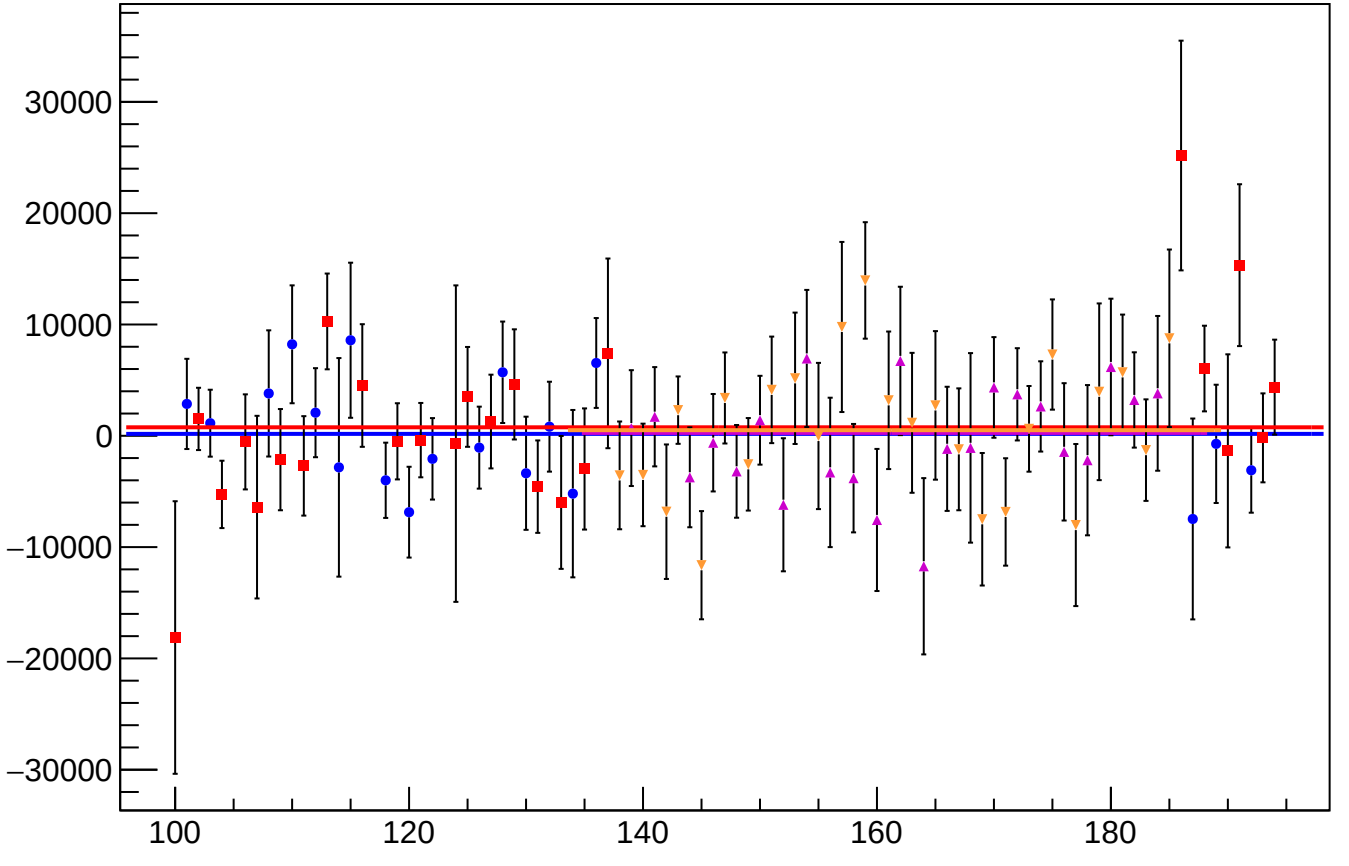
Right: 1770.810+/-0.286 χ^2/NDF: 1229709.0/43

In: 1857.377+/-0.253 χ^2/NDF:788528.4/41

Out: 1829.988+/-0.237 χ^2/NDF:890840.1/49

All: 1842.777+/-0.173 χ^2/NDF: 1685593.4/91

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 172.622+/-1014.591 χ^2/NDF: 16.5/18

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: 763.391+/-918.245 χ^2/NDF: 31.2/24

Left In: 261.051+/-1081.404 χ^2/NDF:13.6/22

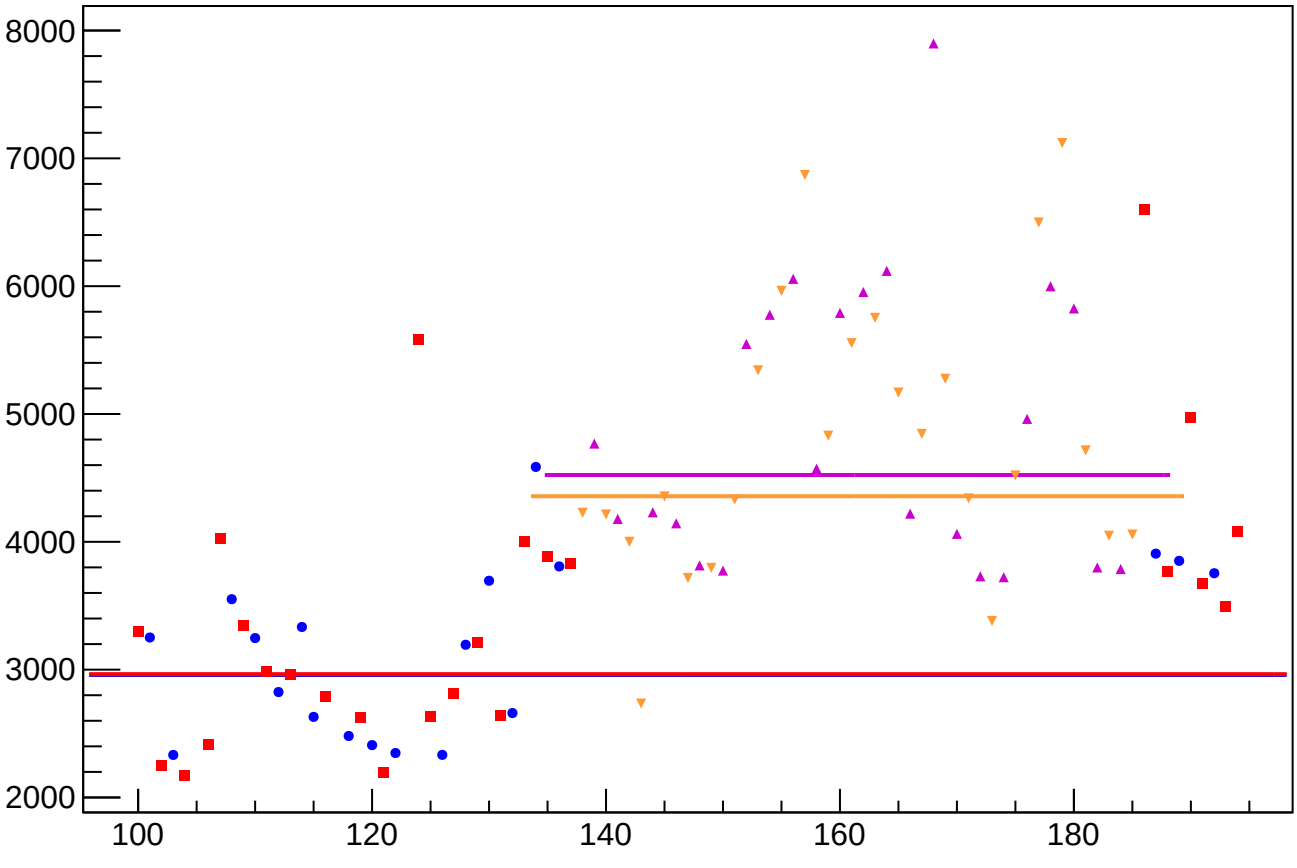
Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

Right: 497.381+/-680.817 χ^2/NDF: 47.9/43

In: 214.020+/-739.917 χ^2/NDF:30.1/41

Out: 647.606+/-682.949 χ^2/NDF:61.3/49

All: 448.145+/-501.851 χ^2/NDF: 91.6/91



Right In: 2958.715+/-0.717 χ^2/NDF: 730043.2/18

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 2964.642+/-0.649 χ^2/NDF: 1348845.5/24

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

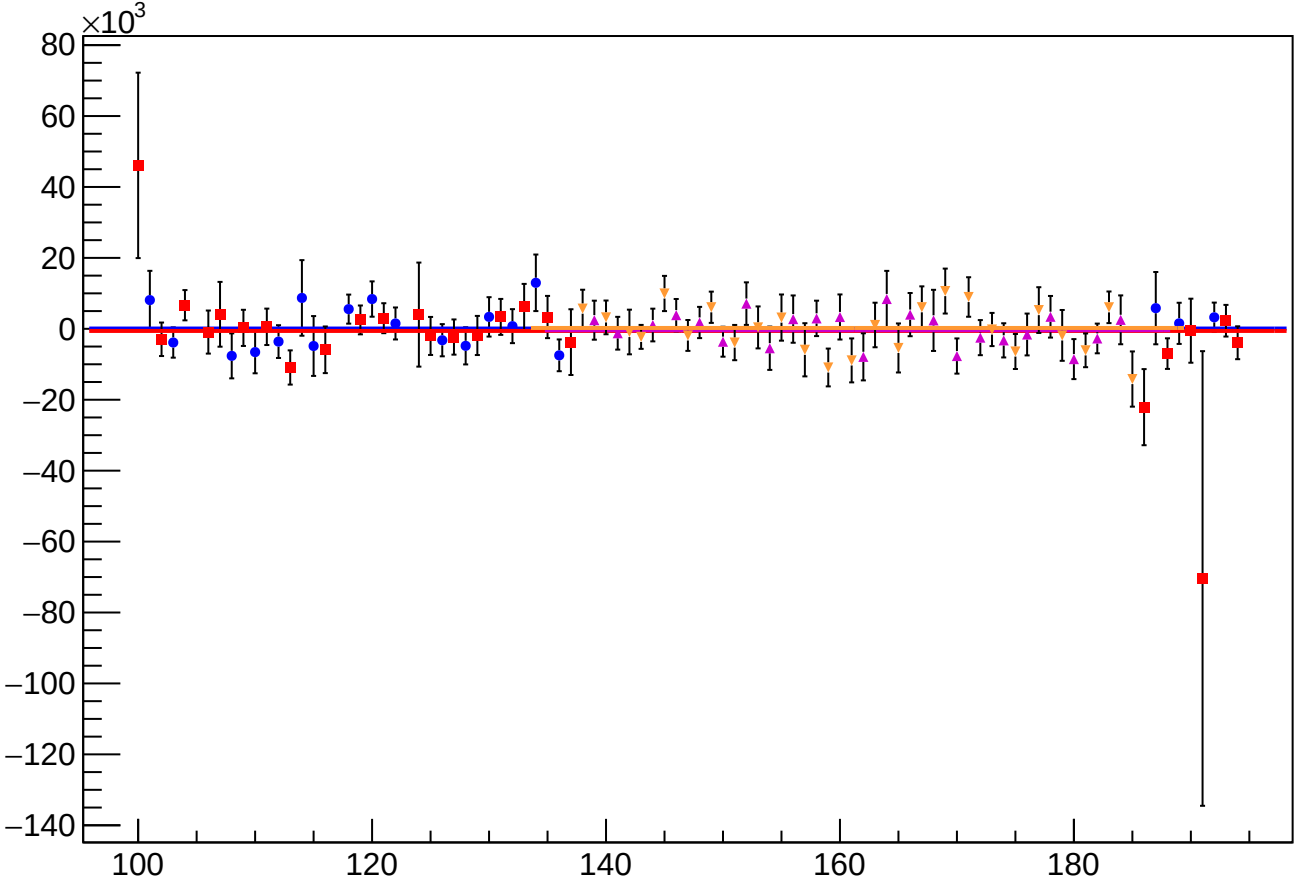
Right: 2961.973+/-0.481 χ^2/NDF: 2078926.2/43

In: 3690.948+/-0.523 χ^2/NDF:4389189.4/41

Out: 3586.632+/-0.483 χ^2/NDF:5314877.5/49

All: 3634.620+/-0.355 χ^2/NDF: 9725532.1/91

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 76.054+/-1226.134 χ^2/NDF: 19.0/18

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: -598.506+/-1127.862 χ^2/NDF: 24.1/24

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

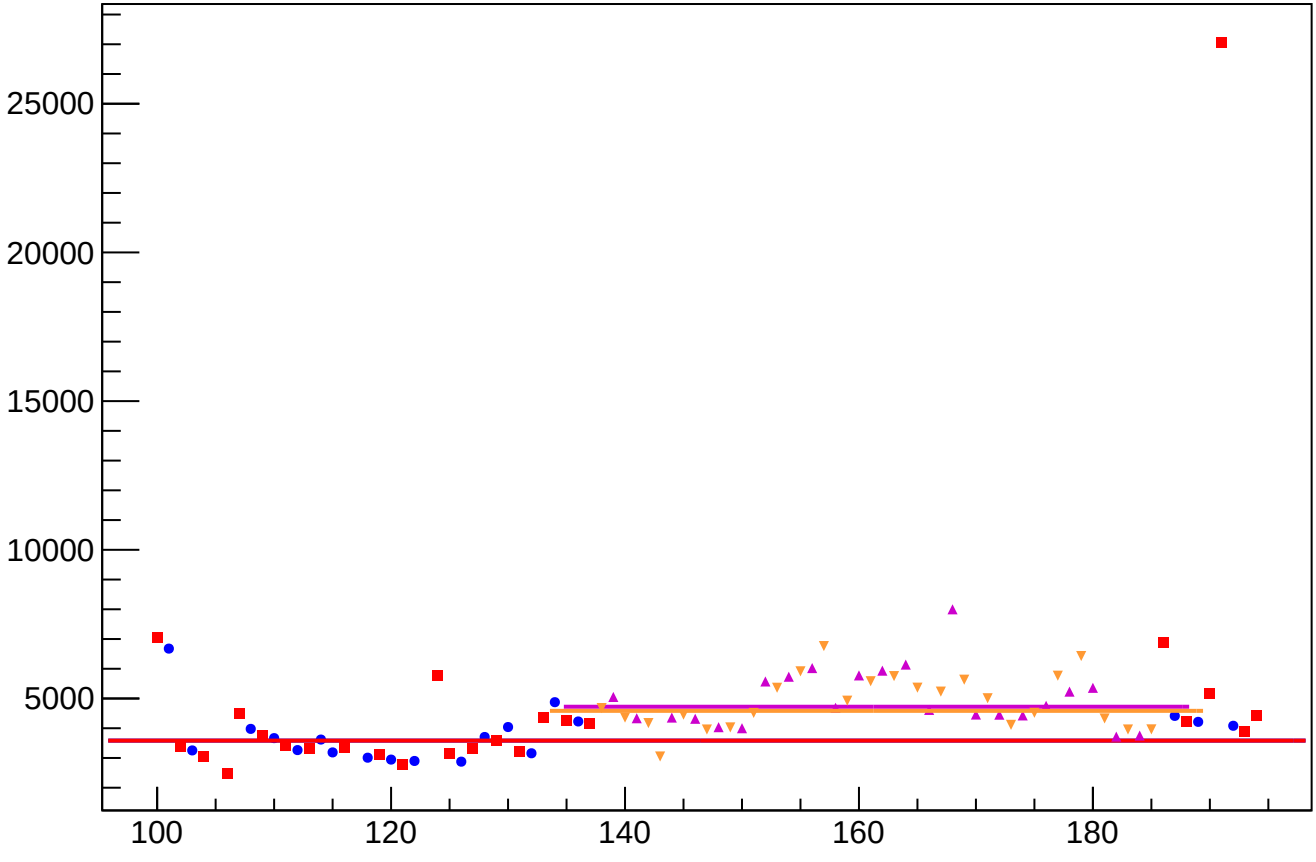
Right: -289.338+/-830.090 χ^2/NDF: 43.3/43

In: -182.032+/-827.472 χ^2/NDF:33.3/41

Out: -155.135+/-774.203 χ^2/NDF:56.6/49

All: -167.690+/-565.339 χ^2/NDF: 89.9/91

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3584.322+/-0.867 χ^2/NDF: 672532.9/18

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3583.618+/-0.789 χ^2/NDF: 1088450.9/24

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

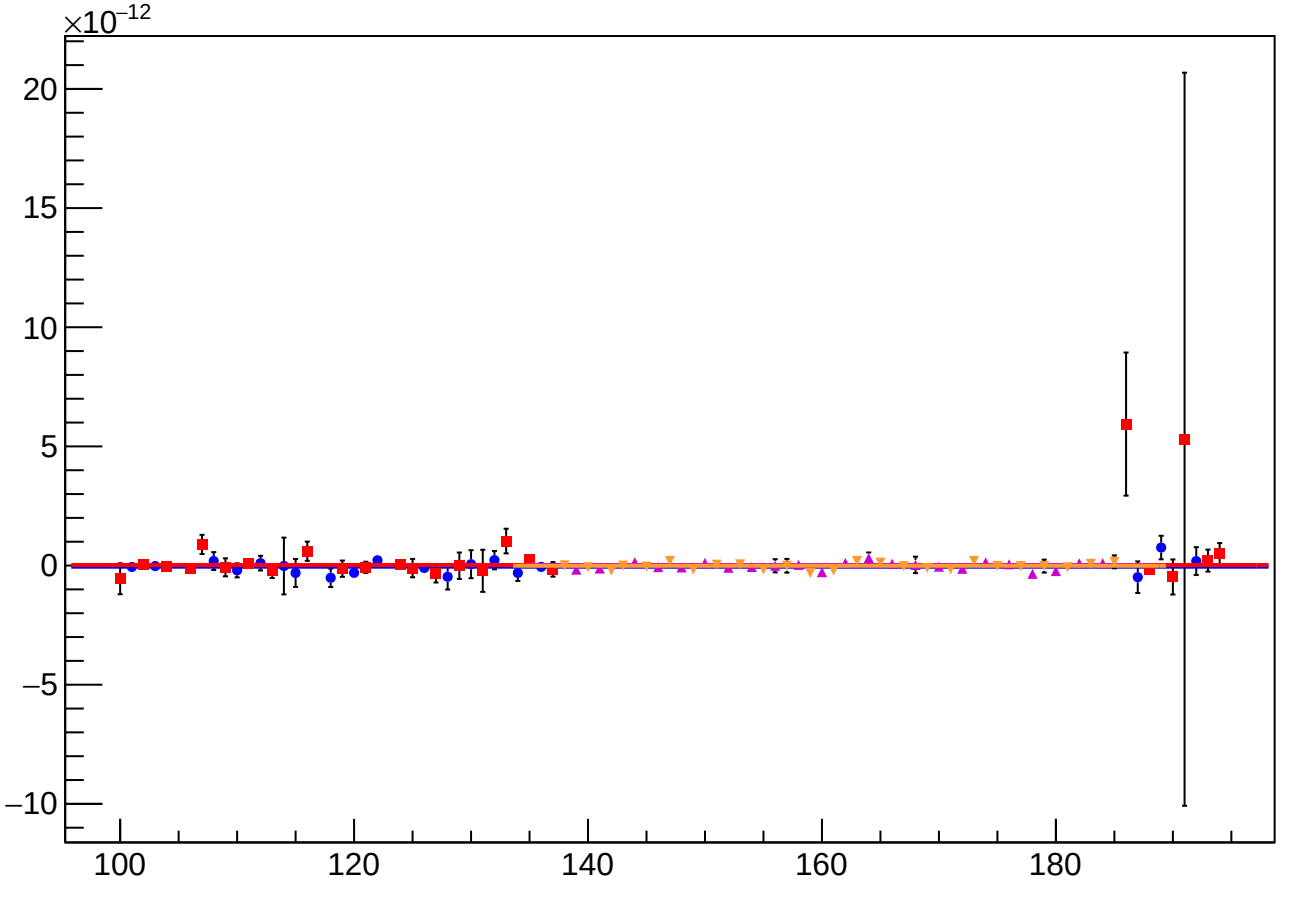
Right: 3583.937+/-0.583 χ^2/NDF: 1760984.2/43

In: 4204.407+/-0.585 χ^2/NDF:2628466.1/41

Out: 4107.485+/-0.545 χ^2/NDF:3243029.0/49

All: 4152.474+/-0.399 χ^2/NDF: 5886197.5/91

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 11.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.8/24

Left In: 0.000+/-0.000 χ^2/NDF:26.0/22

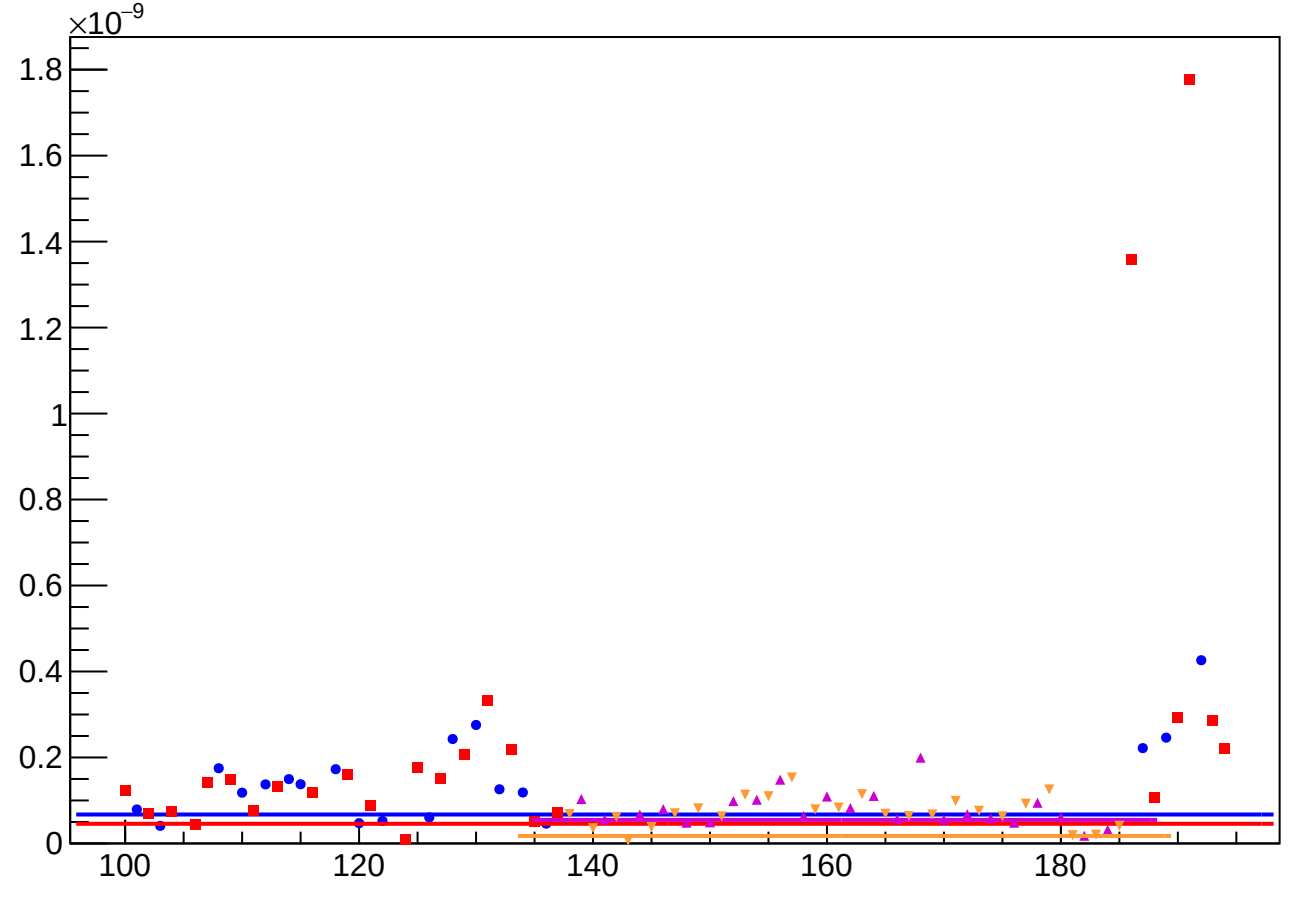
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 38.2/43

In: 0.000+/-0.000 χ^2/NDF:39.5/41

Out: -0.000+/-0.000 χ^2/NDF:48.3/49

All: -0.000+/-0.000 χ^2/NDF: 87.9/91



Right In: 0.000+/-0.000 χ^2/NDF: 2574778.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4859293.2/24

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

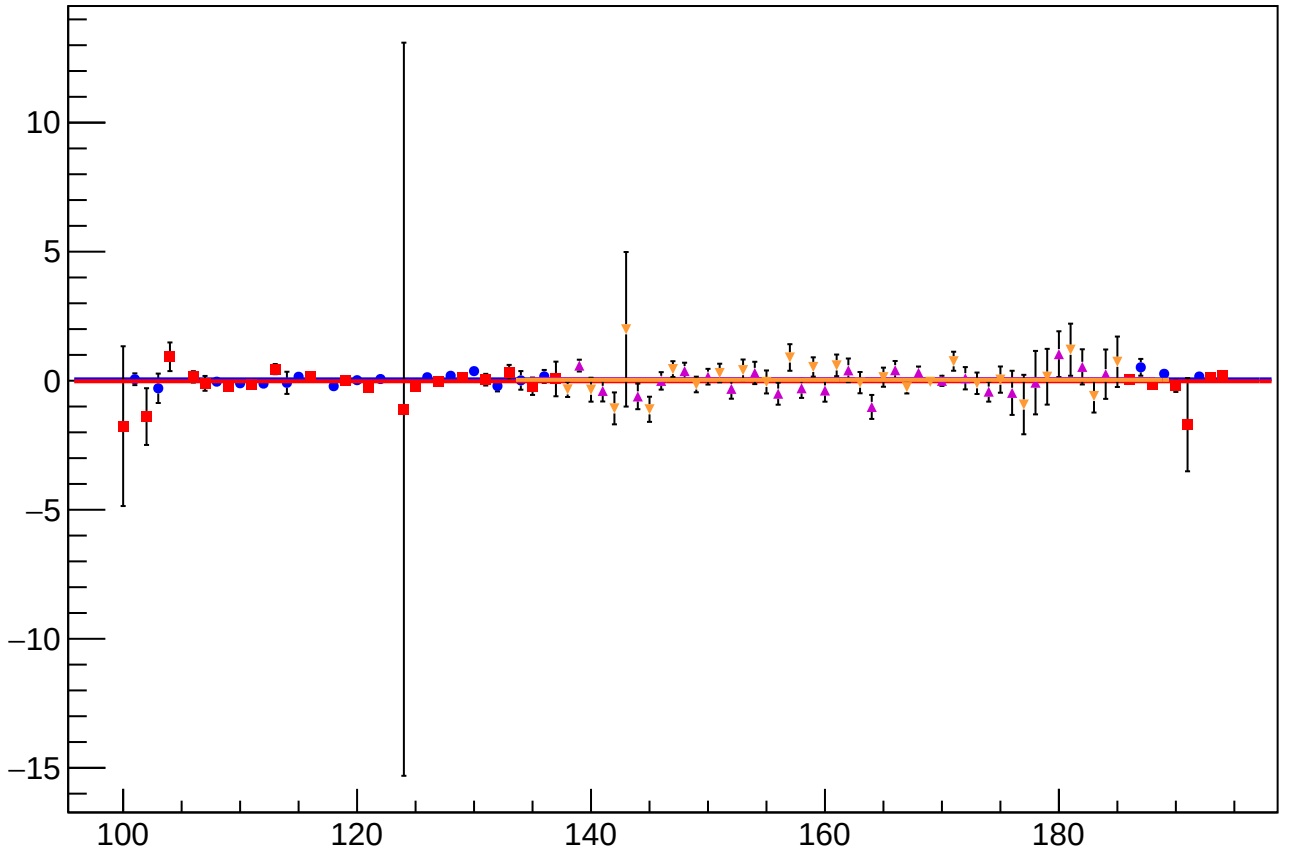
Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

Right: 0.000+/-0.000 χ^2/NDF: 7728880.6/43

In: 0.000+/-0.000 χ^2/NDF:5498685.6/41

Out: 0.000+/-0.000 χ^2/NDF:14912371.5/49

All: 0.000+/-0.000 χ^2/NDF: 25456313.8/91



Right In: 0.052+/-0.044 χ^2/NDF: 16.6/18

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.022+/-0.037 χ^2/NDF: 28.1/24

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

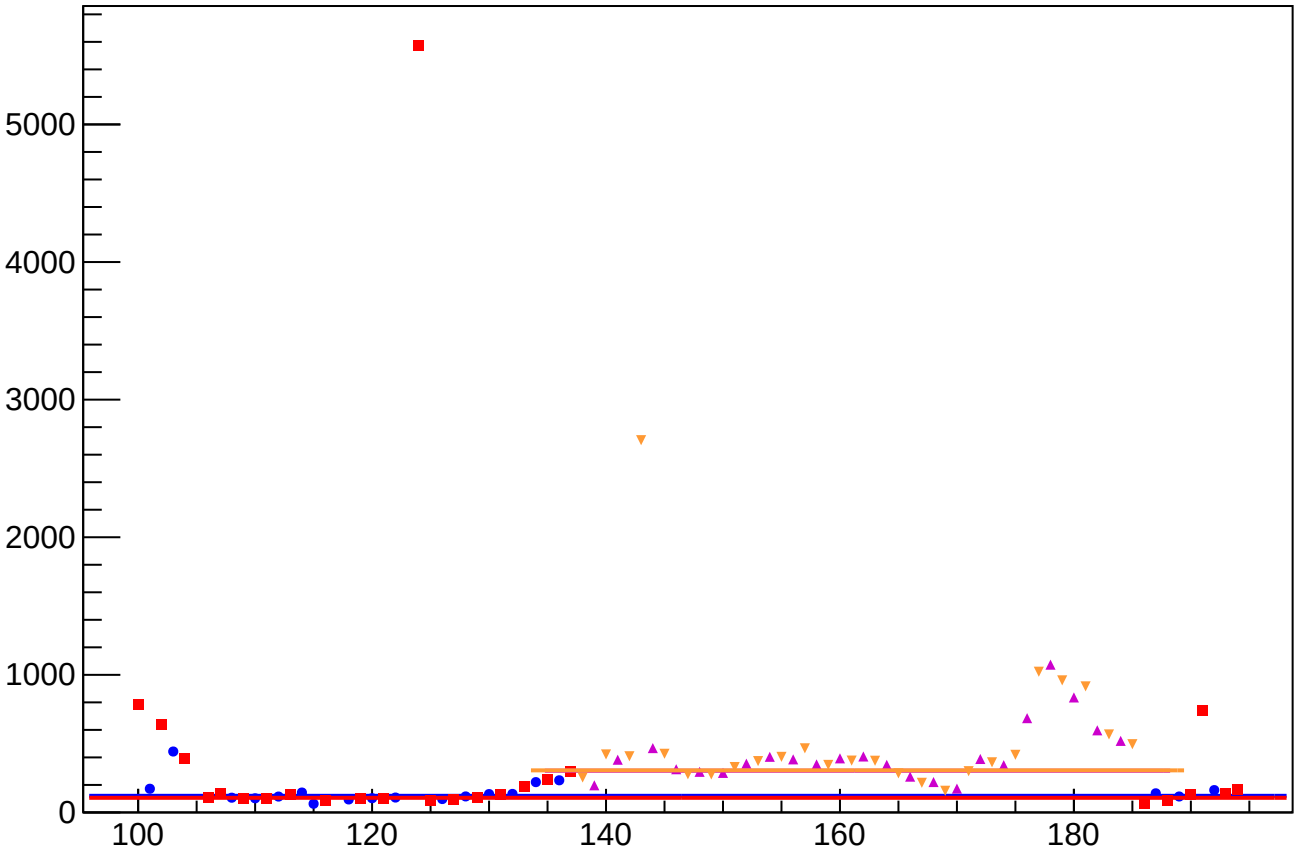
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: 0.008+/-0.028 χ^2/NDF: 46.4/43

In: 0.053+/-0.038 χ^2/NDF:42.7/41

Out: -0.012+/-0.033 χ^2/NDF:58.9/49

All: 0.016+/-0.025 χ^2/NDF: 103.3/91



Right In: 120.884+/-0.031 χ^2/NDF: 1857694.5/18

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 106.465+/-0.026 χ^2/NDF: 3225175.9/24

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

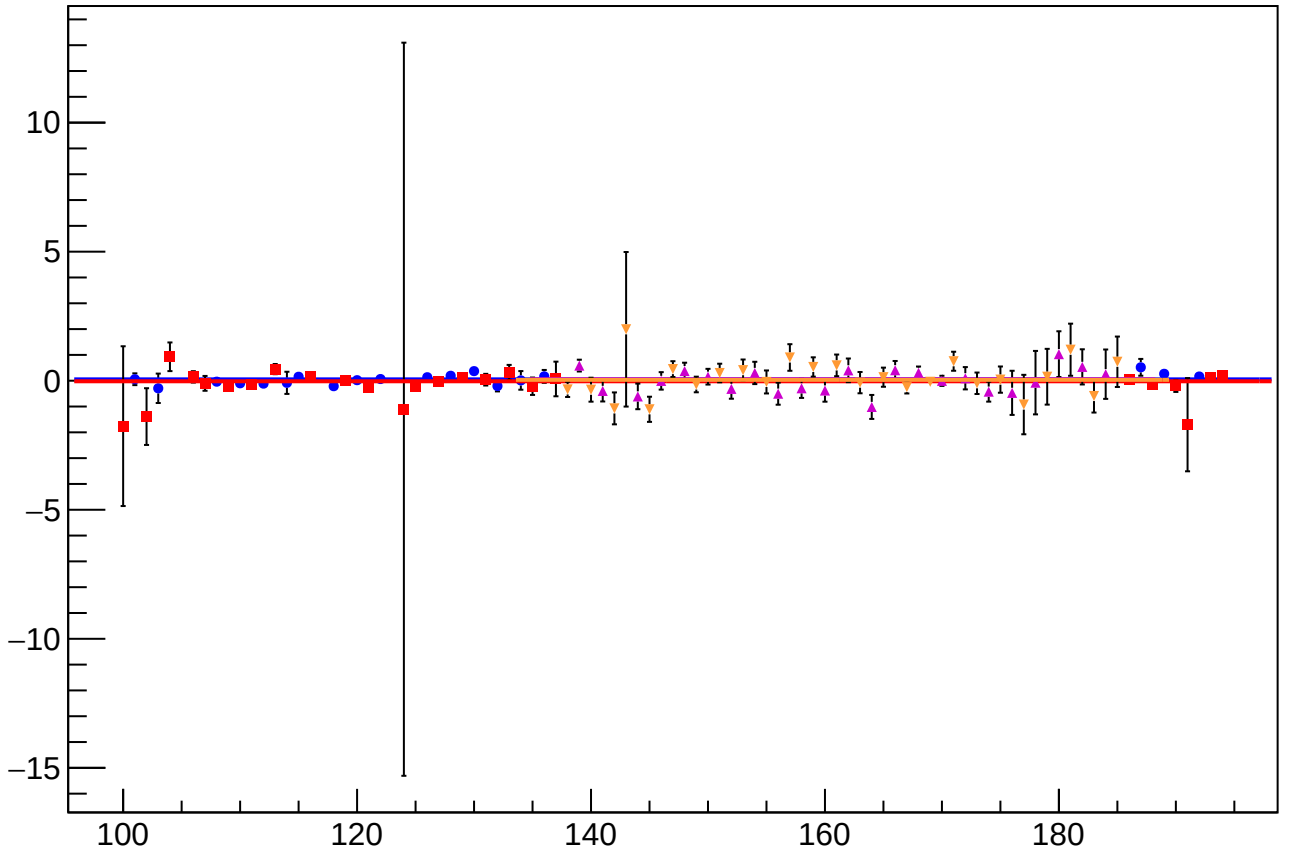
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

Right: 112.353+/-0.020 χ^2/NDF: 5209978.1/43

In: 165.506+/-0.027 χ^2/NDF:15080713.0/41

Out: 142.424+/-0.023 χ^2/NDF:20600966.9/49

All: 152.308+/-0.018 χ^2/NDF: 36098411.4/91



Right In: 0.052+/-0.044 χ^2/NDF: 16.6/18

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.022+/-0.037 χ^2/NDF: 28.1/24

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

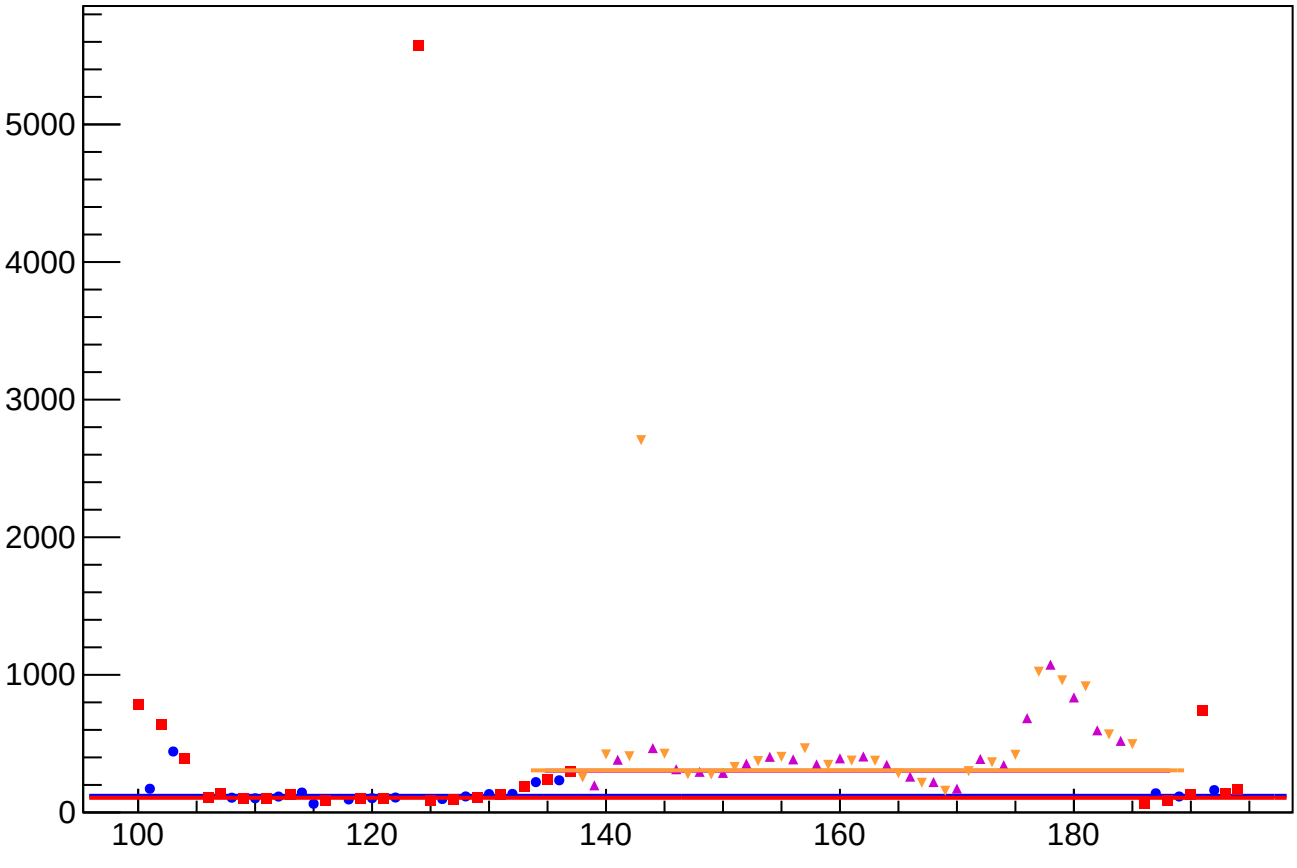
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: 0.008+/-0.028 χ^2/NDF: 46.4/43

In: 0.053+/-0.038 χ^2/NDF:42.7/41

Out: -0.012+/-0.033 χ^2/NDF:58.9/49

All: 0.016+/-0.025 χ^2/NDF: 103.3/91



Right In: 120.884+/-0.031 χ^2/NDF: 1857694.5/18

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 106.465+/-0.026 χ^2/NDF: 3225175.9/24

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

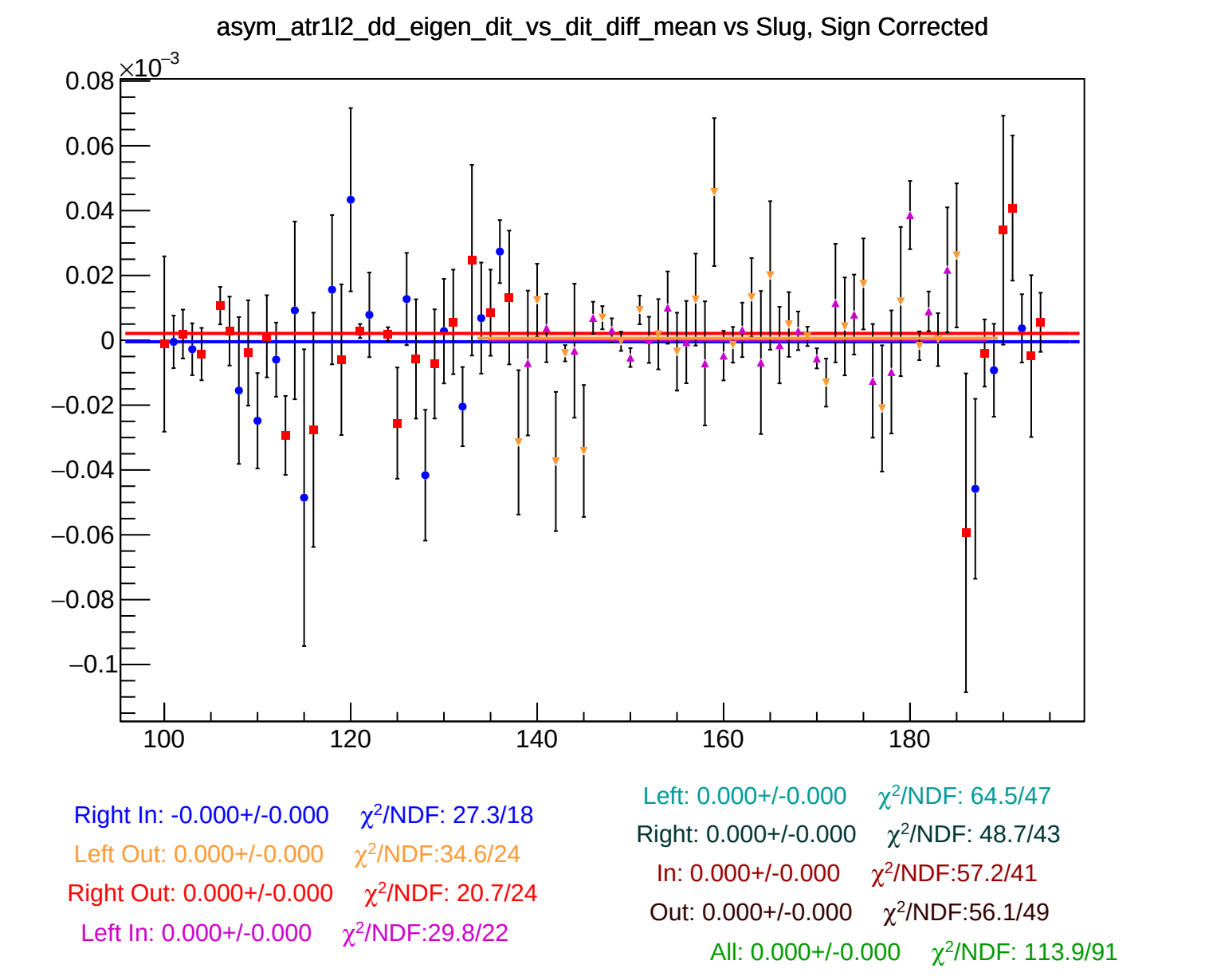
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

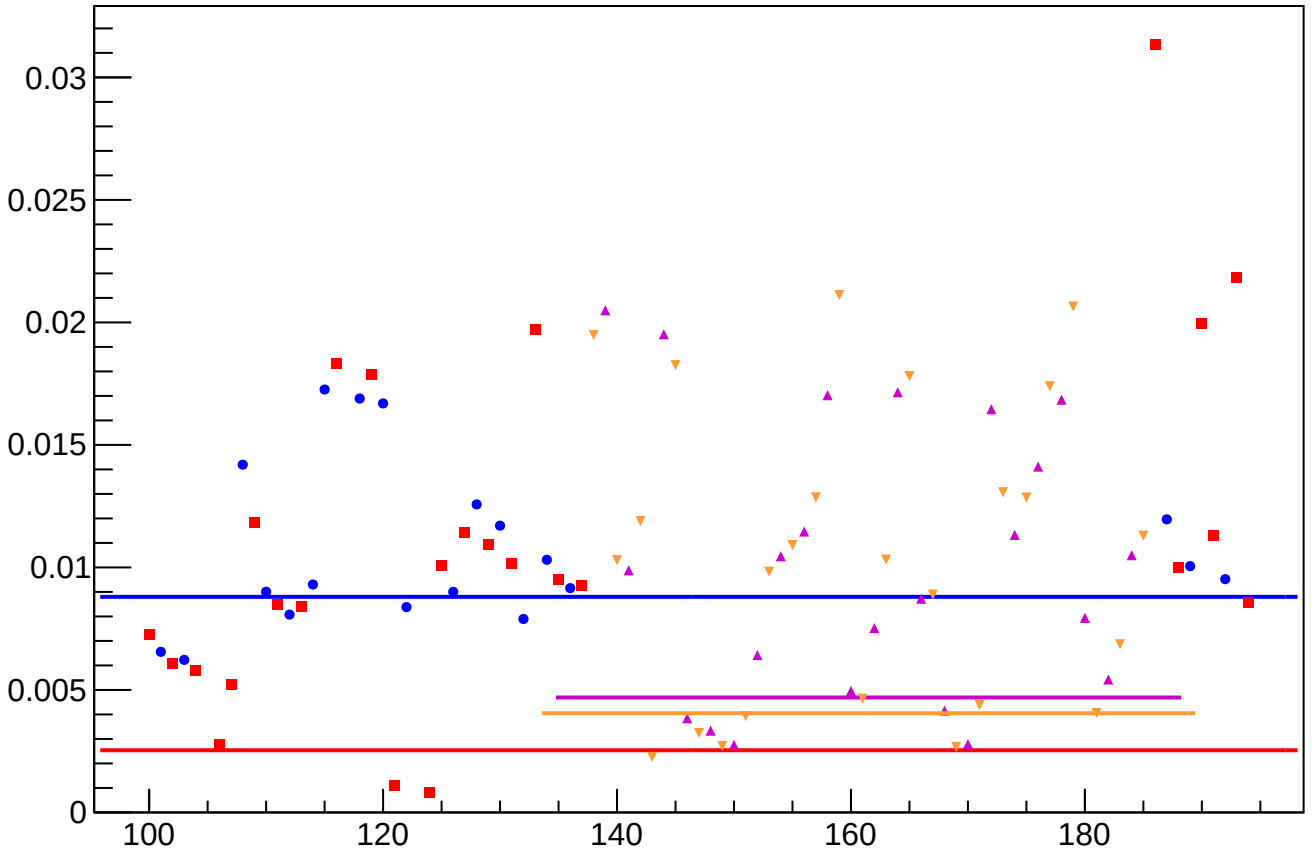
Right: 112.353+/-0.020 χ^2/NDF: 5209978.1/43

In: 165.506+/-0.027 χ^2/NDF:15080713.0/41

Out: 142.424+/-0.023 χ^2/NDF:20600966.9/49

All: 152.308+/-0.018 χ^2/NDF: 36098411.4/91


asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 27.3/18
Left Out: 0.000+/-0.000 χ²/NDF:34.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 20.7/24
Left In: 0.000+/-0.000 χ²/NDF:29.8/22
Left: 0.000+/-0.000 χ²/NDF: 64.5/47
Right: 0.000+/-0.000 χ²/NDF: 48.7/43
In: 0.000+/-0.000 χ²/NDF:57.2/41
Out: 0.000+/-0.000 χ²/NDF:56.1/49
All: 0.000+/-0.000 χ²/NDF: 113.9/91



Right In: 0.009+/-0.000 χ^2/NDF: 1171281.6/18

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 13849490.0/24

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

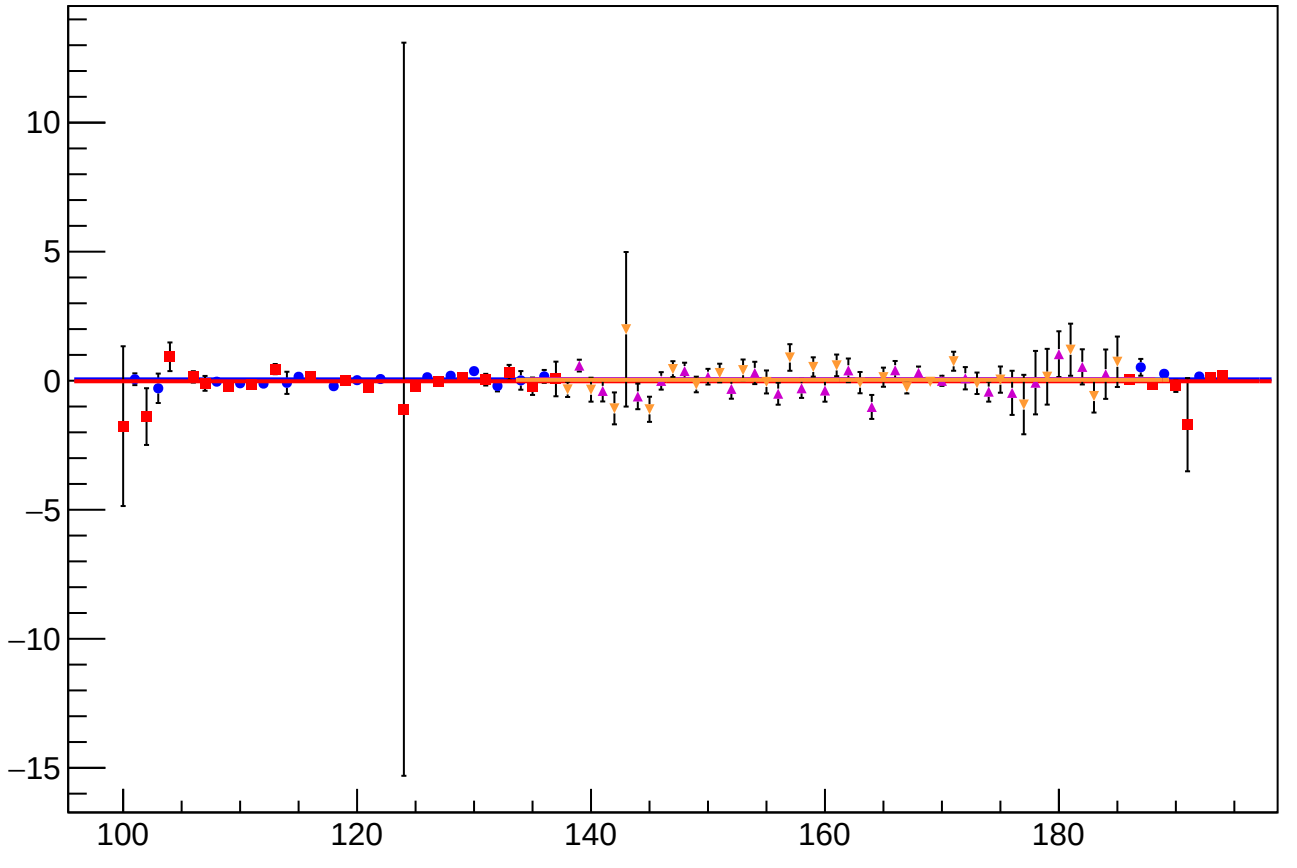
Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

Right: 0.003+/-0.000 χ^2/NDF: 21889211.8/43

In: 0.005+/-0.000 χ^2/NDF:14923922.9/41

Out: 0.003+/-0.000 χ^2/NDF:28858702.0/49

All: 0.004+/-0.000 χ^2/NDF: 47170931.1/91



Right In: 0.052+/-0.044 χ^2/NDF: 16.6/18

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.022+/-0.037 χ^2/NDF: 28.1/24

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

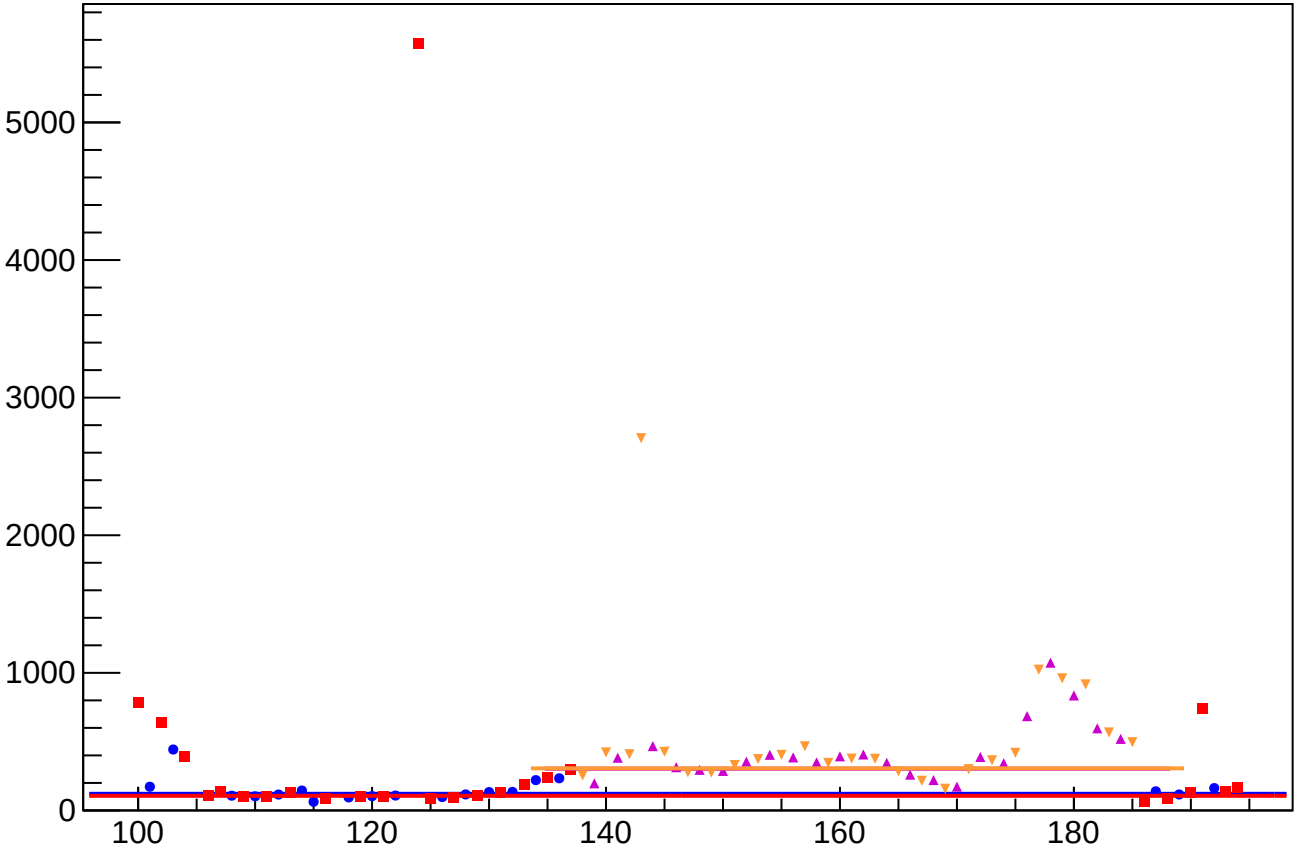
Right: 0.008+/-0.028 χ^2/NDF: 46.4/43

In: 0.053+/-0.038 χ^2/NDF:42.7/41

Out: -0.012+/-0.033 χ^2/NDF:58.9/49

All: 0.016+/-0.025 χ^2/NDF: 103.3/91

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 120.884+/-0.031 χ^2/NDF: 1857664.7/18

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 106.466+/-0.026 χ^2/NDF: 3225032.0/24

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

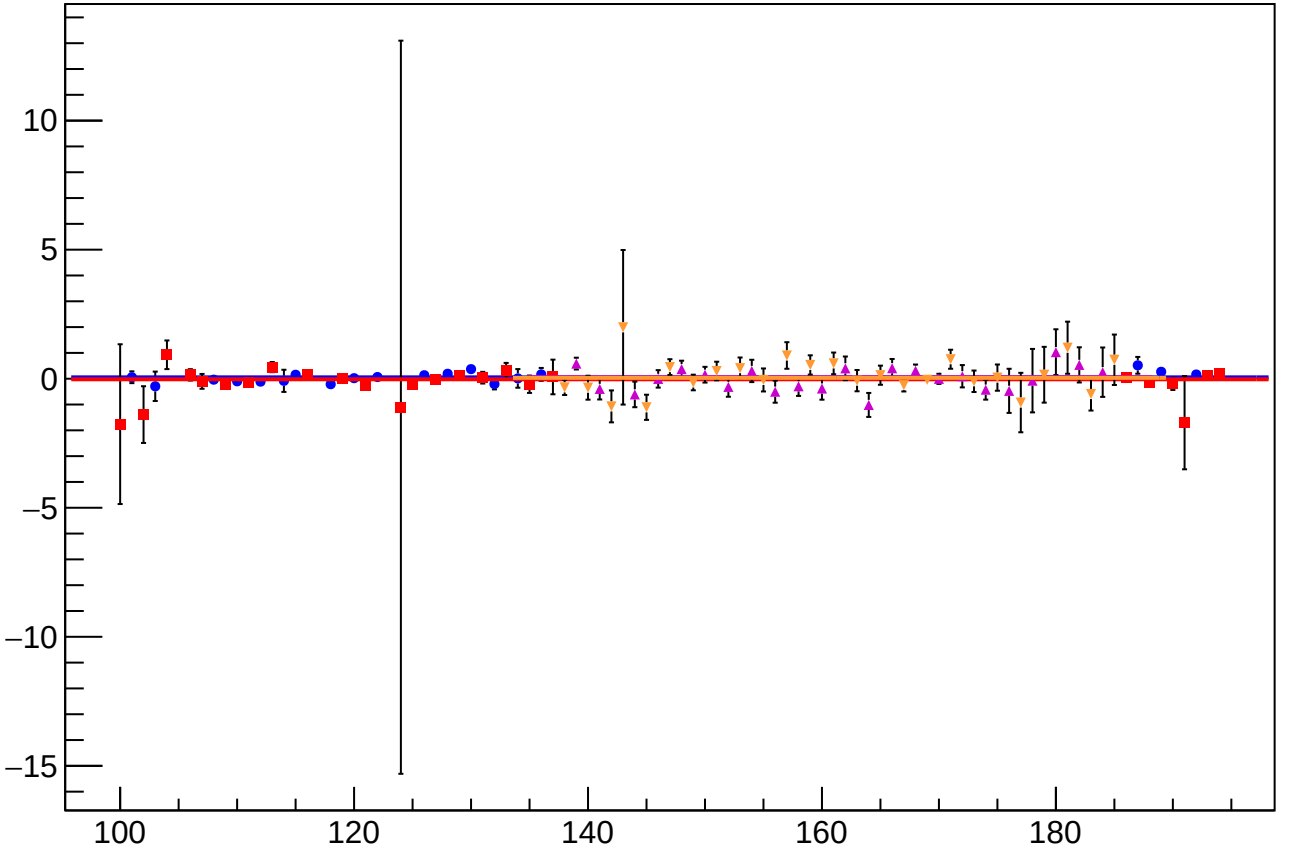
Right: 112.353+/-0.020 χ^2/NDF: 5209791.0/43

In: 165.507+/-0.027 χ^2/NDF:15080778.2/41

Out: 142.425+/-0.023 χ^2/NDF:20600840.7/49

All: 152.309+/-0.018 χ^2/NDF: 36098330.1/91

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.044 χ^2/NDF: 16.6/18

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.022+/-0.037 χ^2/NDF: 28.1/24

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

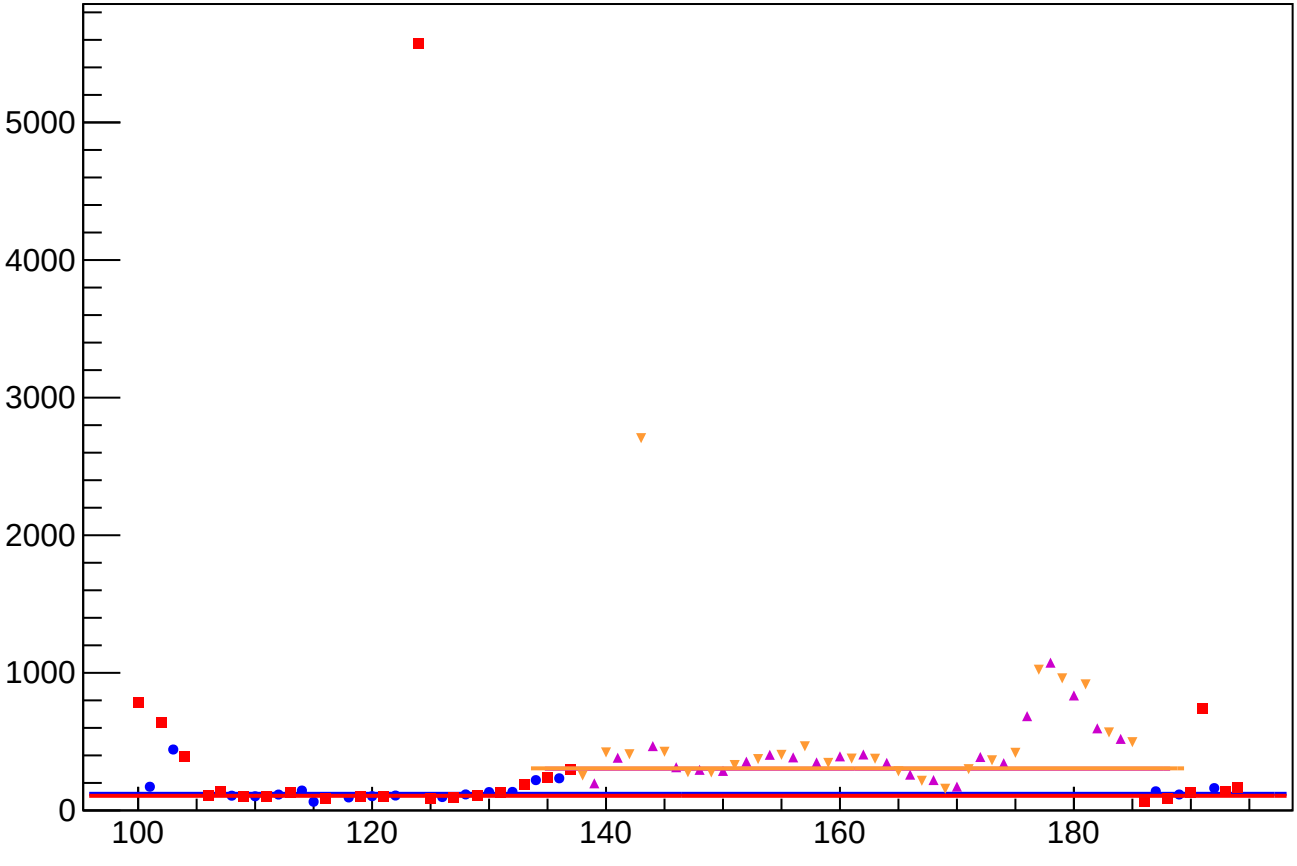
Right: 0.008+/-0.028 χ^2/NDF: 46.4/43

In: 0.053+/-0.038 χ^2/NDF:42.7/41

Out: -0.012+/-0.033 χ^2/NDF:58.9/49

All: 0.016+/-0.025 χ^2/NDF: 103.3/91

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 120.884+/-0.031 χ^2/NDF: 1857664.7/18

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 106.466+/-0.026 χ^2/NDF: 3225032.0/24

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

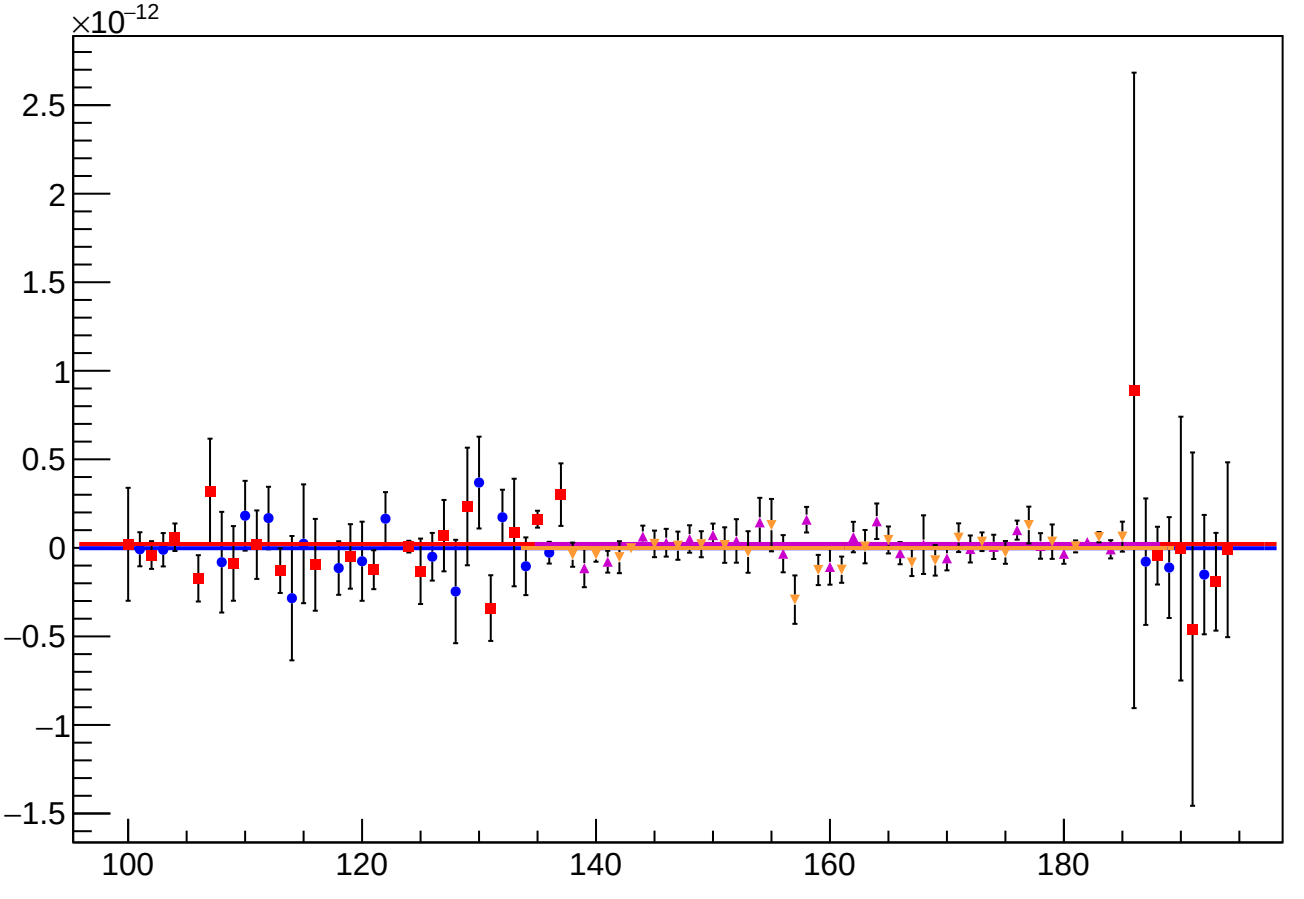
Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

Right: 112.353+/-0.020 χ^2/NDF: 5209791.0/43

In: 165.507+/-0.027 χ^2/NDF:15080778.2/41

Out: 142.425+/-0.023 χ^2/NDF:20600840.7/49

All: 152.309+/-0.018 χ^2/NDF: 36098330.1/91



Right In: -0.000+/-0.000 χ^2/NDF: 9.5/18

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/24

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

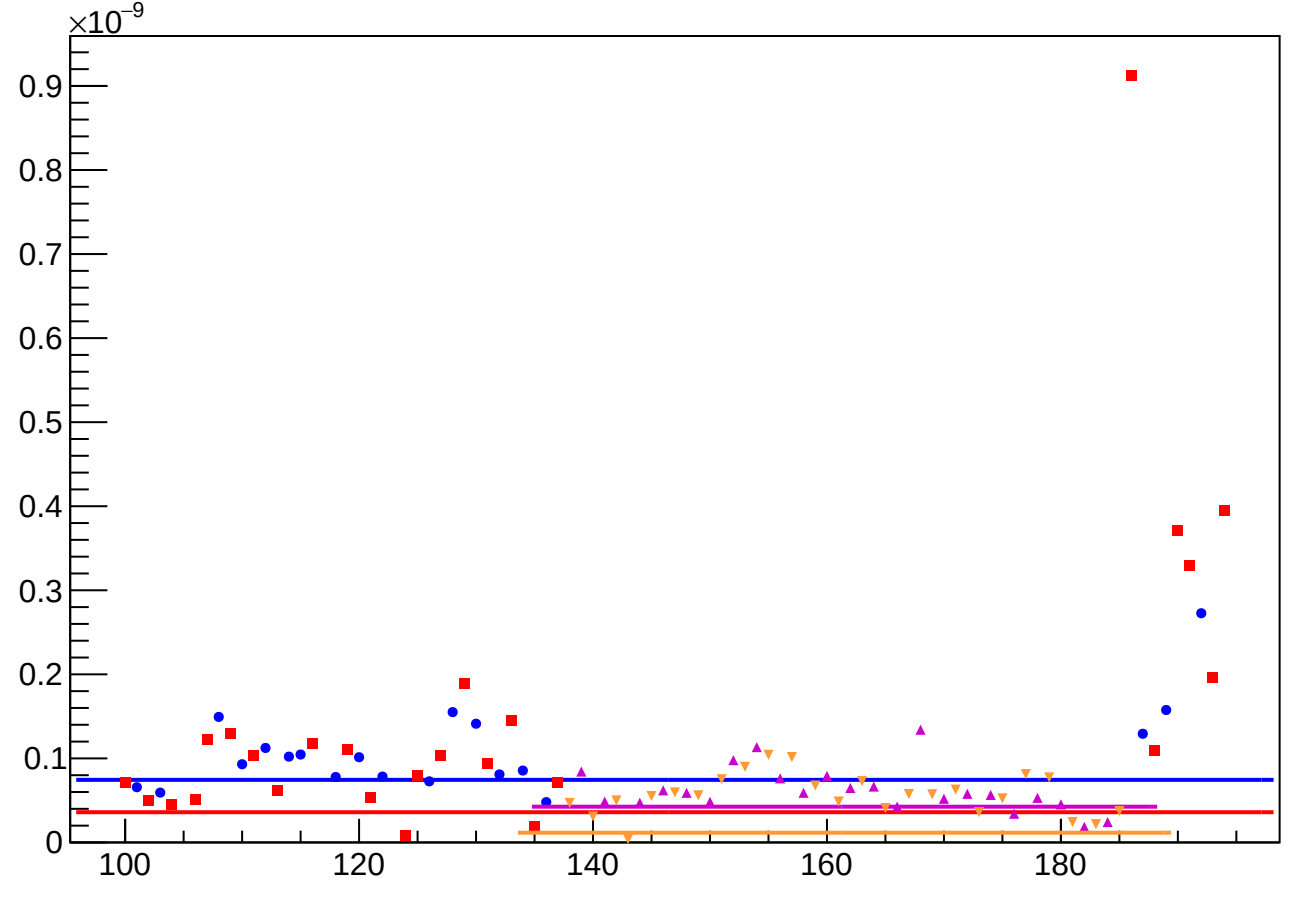
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

Right: 0.000+/-0.000 χ^2/NDF: 35.4/43

In: 0.000+/-0.000 χ^2/NDF:29.5/41

Out: 0.000+/-0.000 χ^2/NDF:48.5/49

All: 0.000+/-0.000 χ^2/NDF: 79.8/91



Right In: 0.000+/-0.000 χ^2/NDF: 1956975.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7696187.3/24

Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

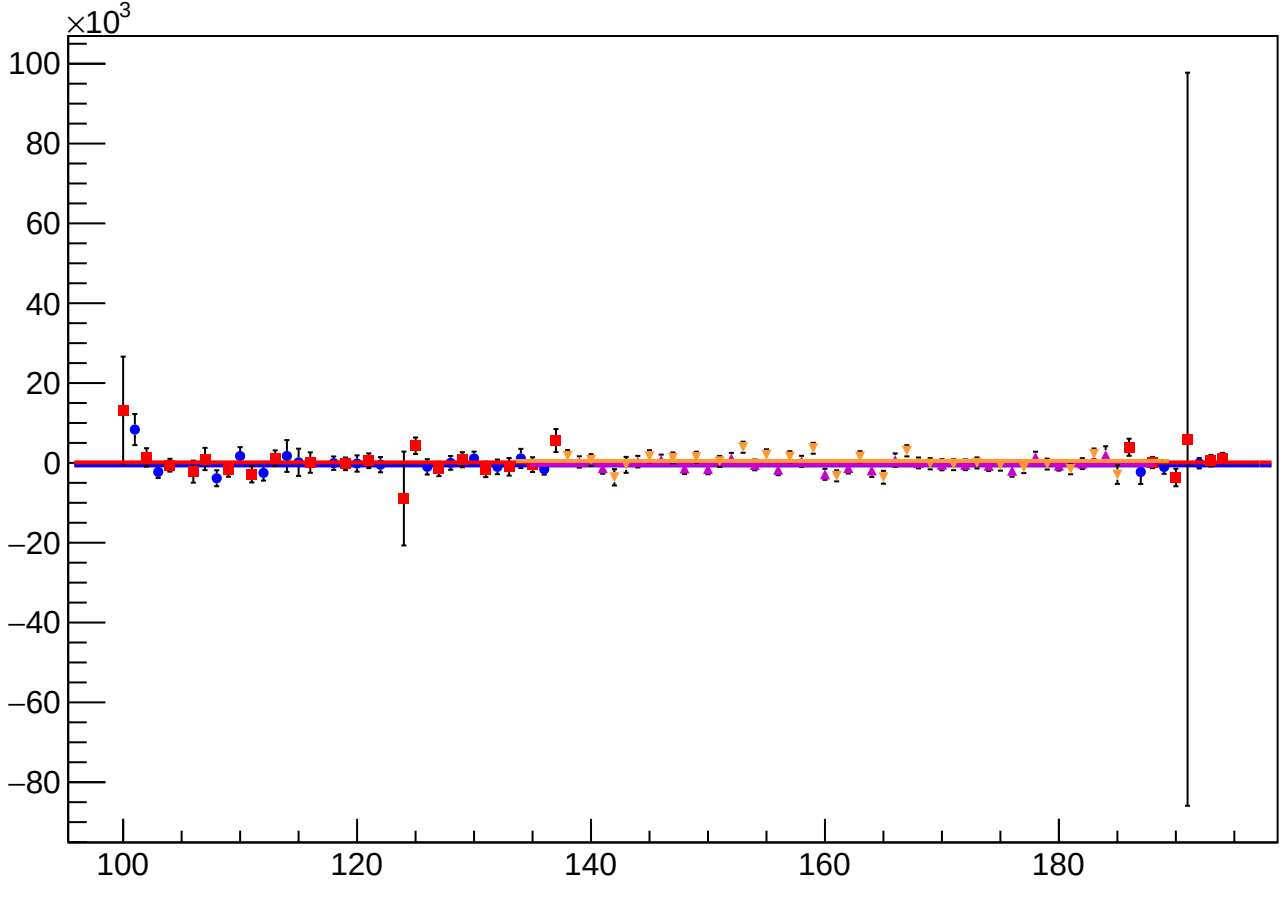
Left: 0.000+/-0.000 χ^2/NDF: 32408011.0/47

Right: 0.000+/-0.000 χ^2/NDF: 11503820.1/43

In: 0.000+/-0.000 χ^2/NDF:8918444.0/41

Out: 0.000+/-0.000 χ^2/NDF:27980228.8/49

All: 0.000+/-0.000 χ^2/NDF: 49030807.8/91



Right In: -629.002+/-437.603 χ^2/NDF: 14.4/18

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 122.782+/-402.054 χ^2/NDF: 22.8/24

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

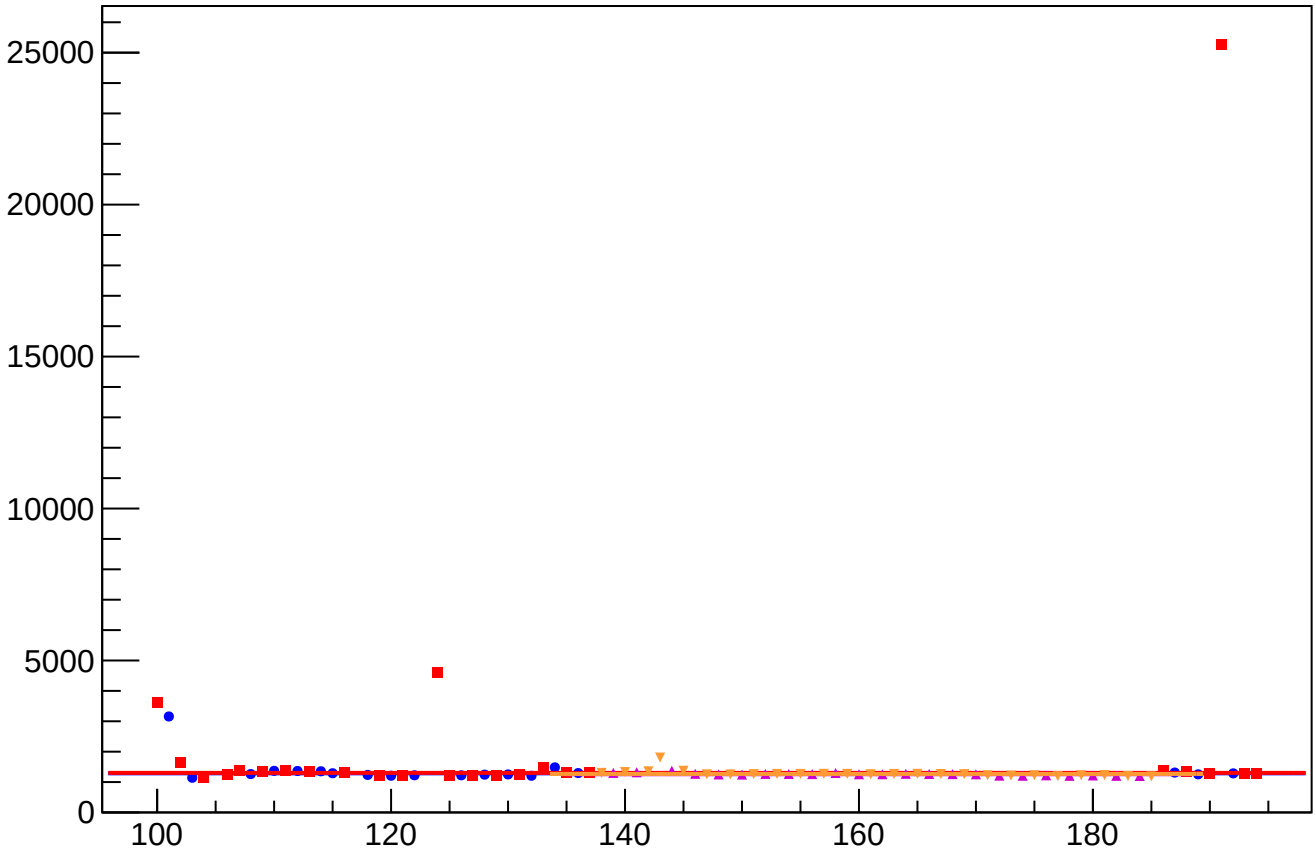
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -221.338+/-296.066 χ^2/NDF: 38.8/43

In: -530.991+/-243.906 χ^2/NDF:28.9/41

Out: 366.551+/-234.395 χ^2/NDF:70.3/49

All: -64.380+/-169.005 χ^2/NDF: 106.2/91



Right In: 1287.289+/-0.309 χ^2/NDF: 515593.7/18

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1302.077+/-0.284 χ^2/NDF: 465491.2/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

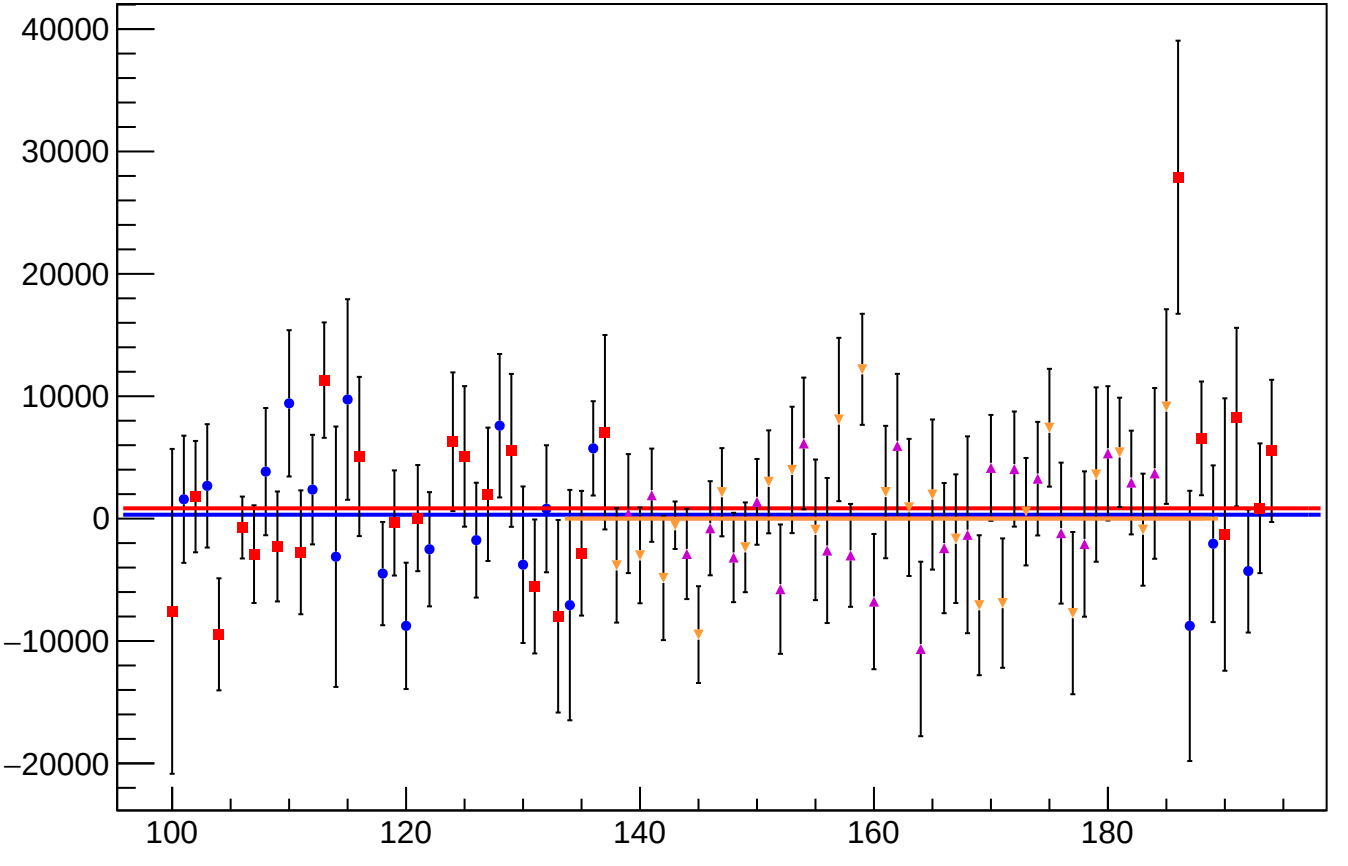
Right: 1295.321+/-0.209 χ^2/NDF: 982325.3/43

In: 1266.790+/-0.172 χ^2/NDF:558776.7/41

Out: 1278.929+/-0.166 χ^2/NDF:663128.1/49

All: 1273.104+/-0.119 χ^2/NDF: 1224481.7/91

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 317.922+/-1248.509 χ^2/NDF: 15.9/18

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 841.152+/-1022.496 χ^2/NDF: 28.2/24

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

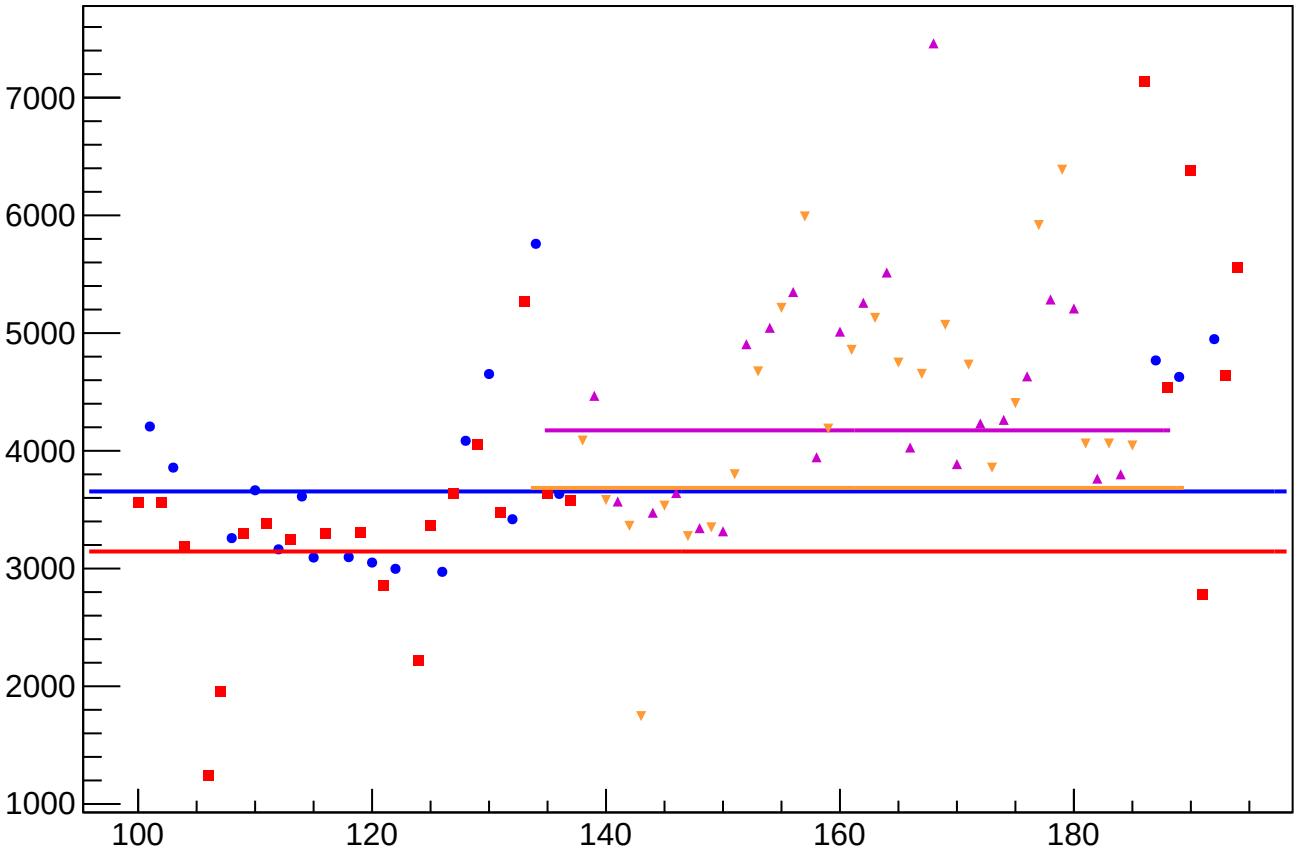
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 631.099+/-791.061 χ^2/NDF: 44.1/43

In: 142.859+/-778.287 χ^2/NDF:29.9/41

Out: 360.605+/-669.804 χ^2/NDF:57.6/49

All: 267.953+/-507.682 χ^2/NDF: 87.6/91



Right In: 3655.027+/-0.883 χ^2/NDF: 577740.2/18

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3144.971+/-0.723 χ^2/NDF: 2757144.2/24

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

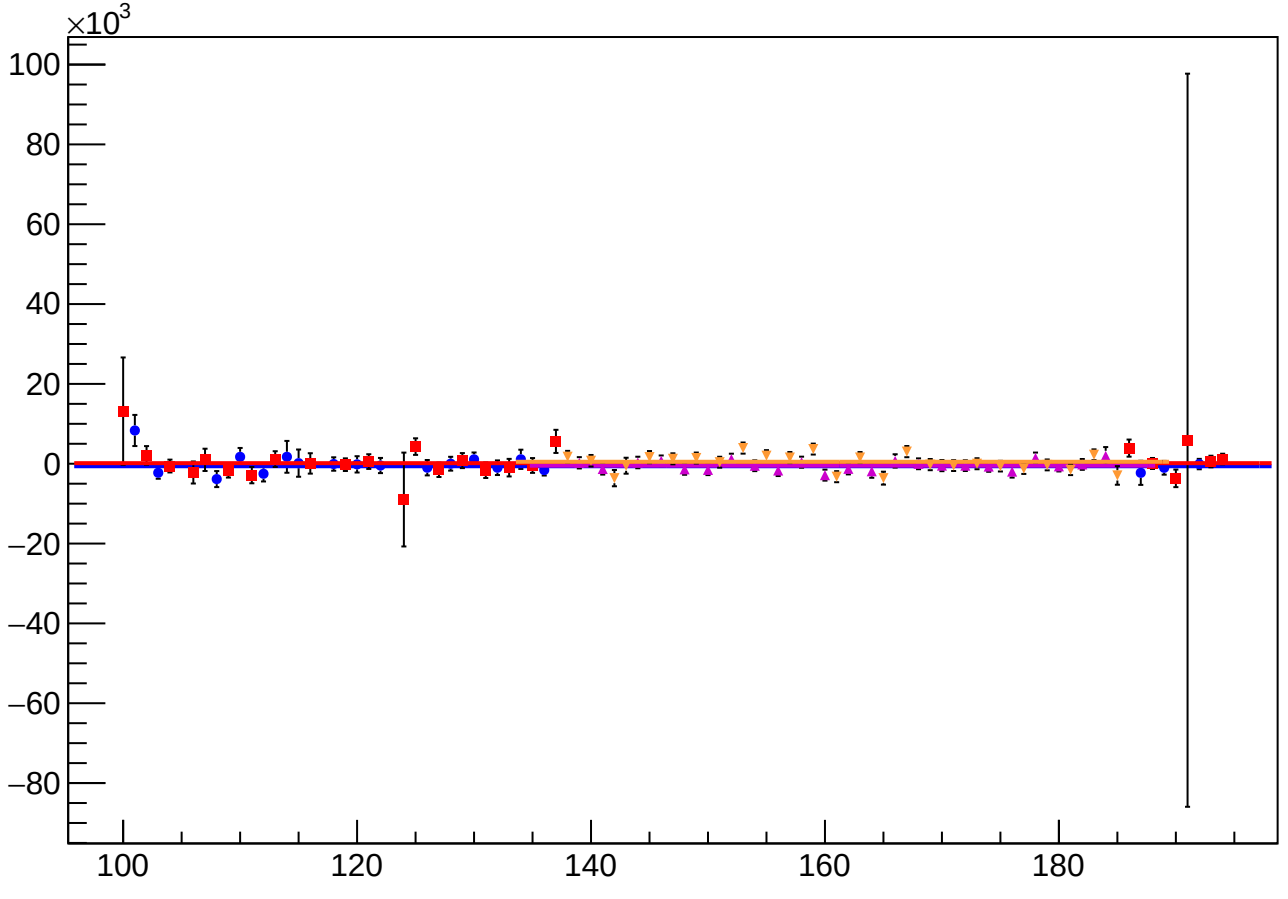
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3349.735+/-0.559 χ^2/NDF: 3534676.8/43

In: 3972.059+/-0.550 χ^2/NDF:2063631.1/41

Out: 3453.134+/-0.474 χ^2/NDF:6769004.2/49

All: 3673.938+/-0.359 χ^2/NDF: 9343430.2/91



Right In: -629.317+/-437.603 χ^2/NDF: 14.4/18

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 142.652+/-402.235 χ^2/NDF: 23.2/24

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

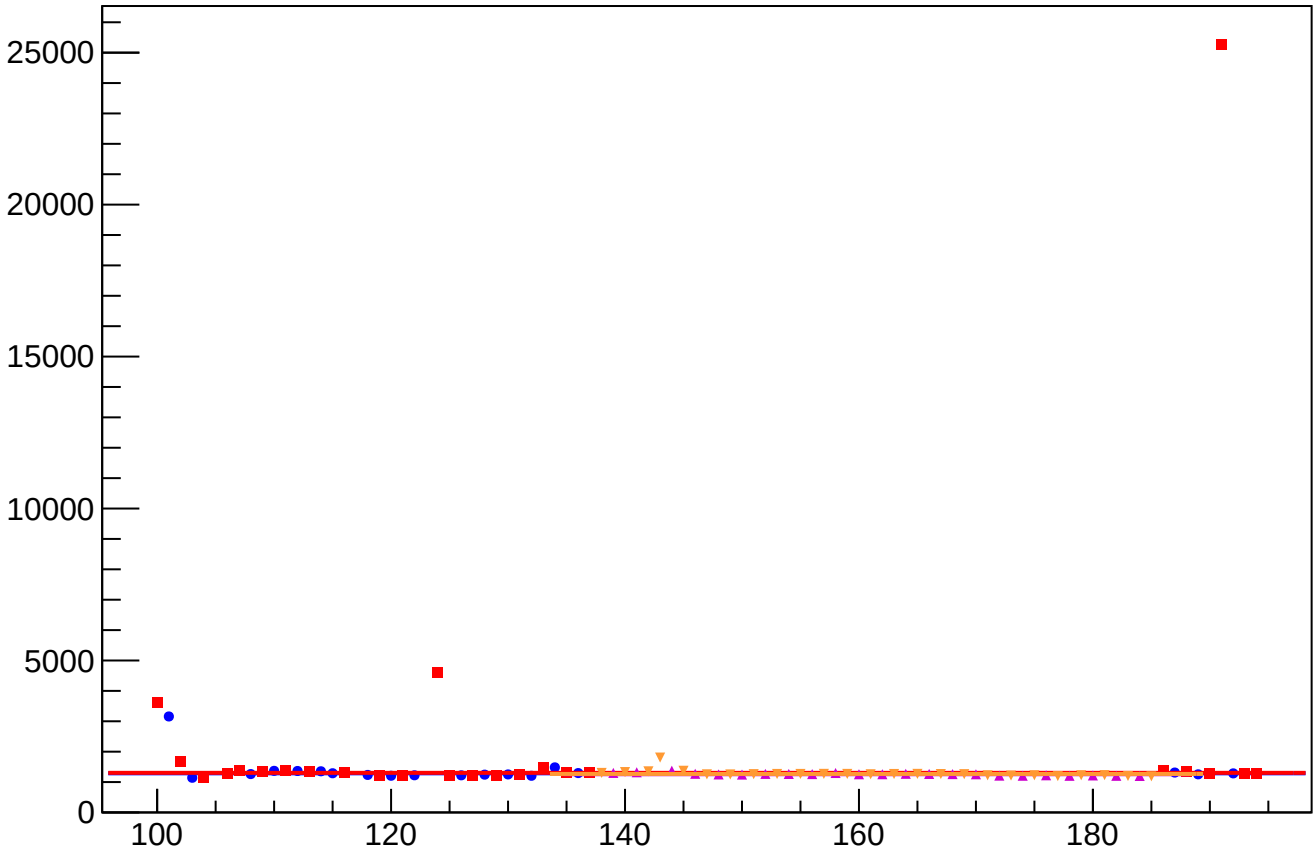
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -210.880+/-296.139 χ^2/NDF: 39.3/43

In: -531.019+/-243.906 χ^2/NDF:28.9/41

Out: 373.385+/-234.431 χ^2/NDF:70.6/49

All: -60.909+/-169.018 χ^2/NDF: 106.7/91



Right In: 1287.289+/-0.309 χ^2/NDF: 515595.1/18

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1303.463+/-0.284 χ^2/NDF: 471917.6/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

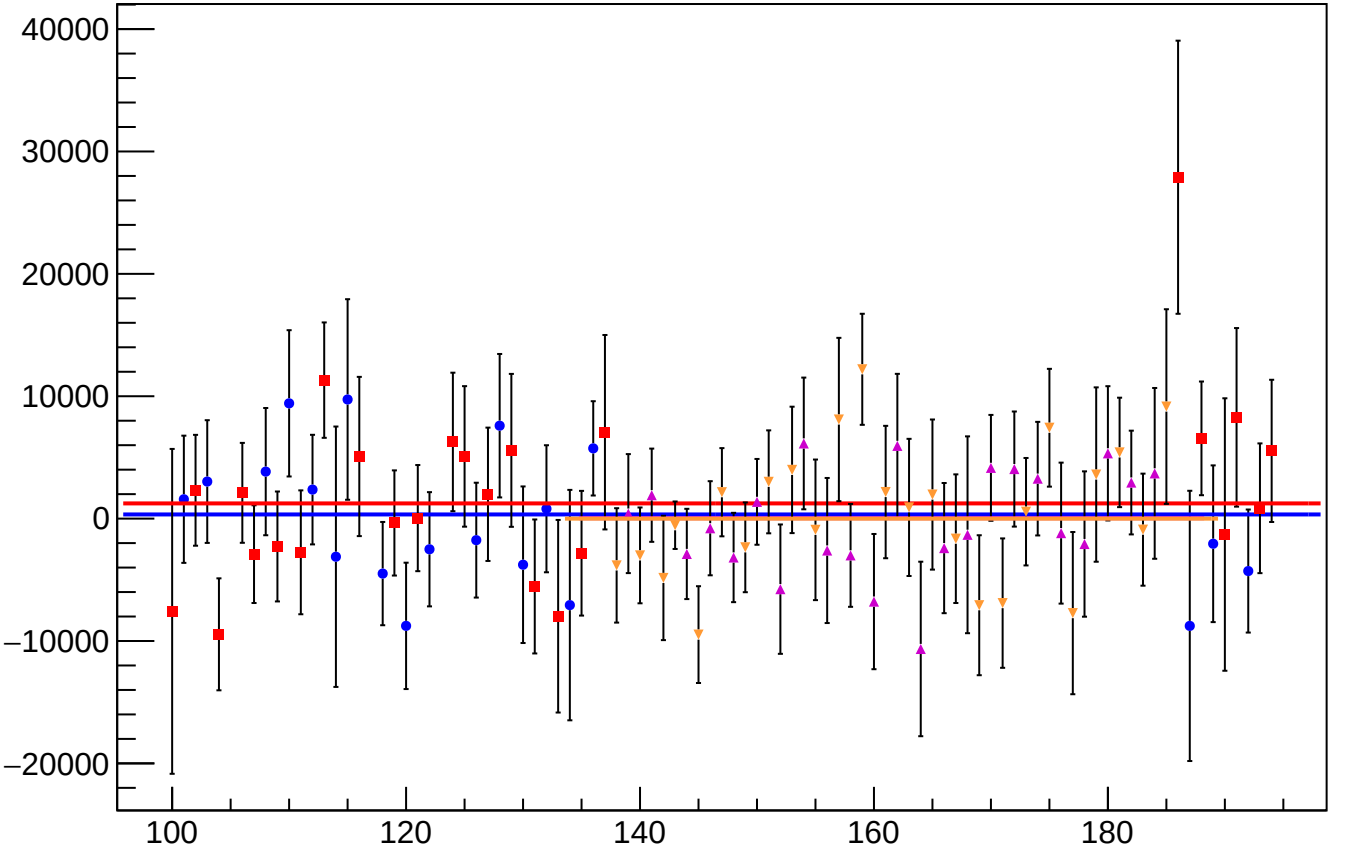
Right: 1296.066+/-0.209 χ^2/NDF: 988995.3/43

In: 1266.790+/-0.172 χ^2/NDF:558778.1/41

Out: 1279.385+/-0.166 χ^2/NDF:670352.9/49

All: 1273.339+/-0.119 χ^2/NDF: 1231904.4/91

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 341.091+/-1248.128 χ^2/NDF: 15.9/18

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1242.874+/-1077.835 χ^2/NDF: 27.8/24

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

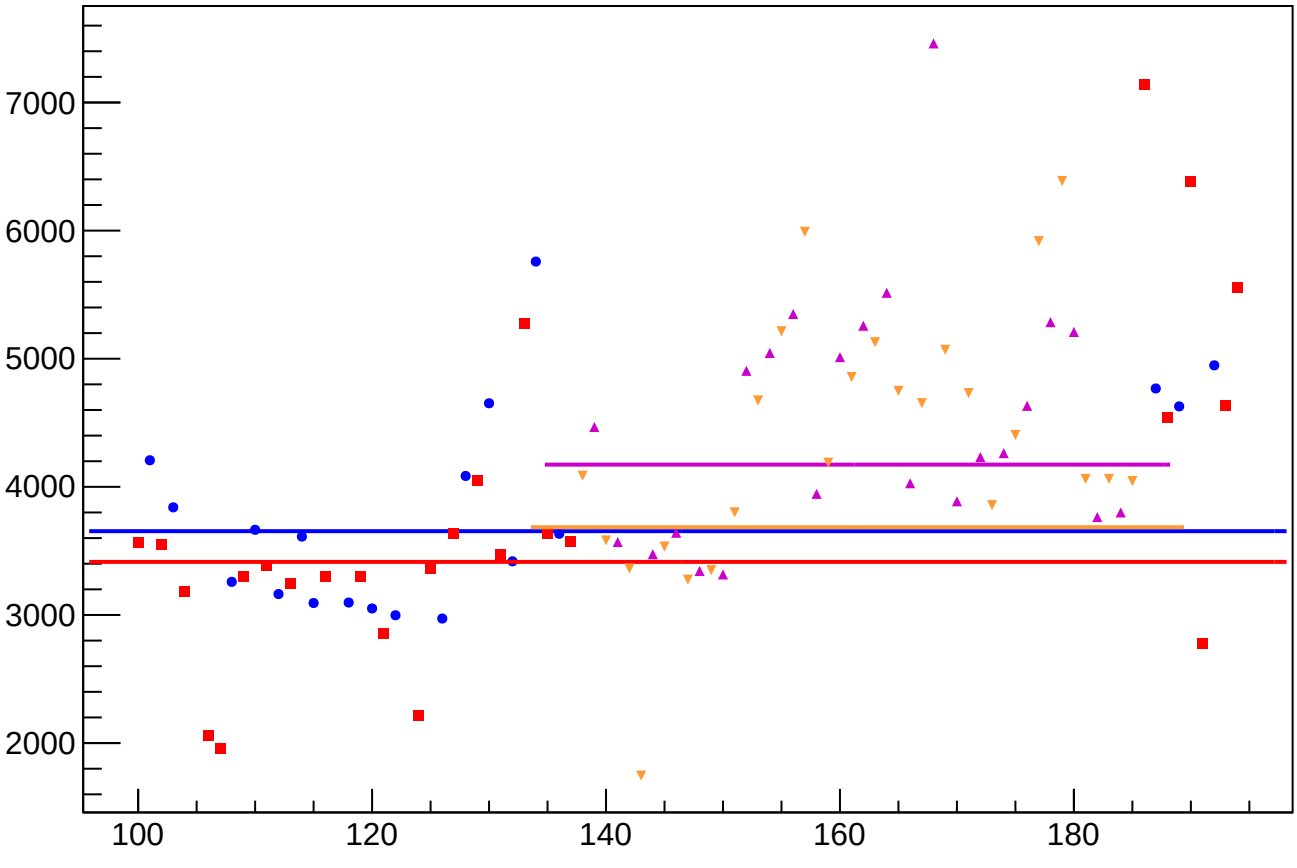
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 857.654+/-815.761 χ^2/NDF: 44.0/43

In: 151.909+/-778.194 χ^2/NDF:30.0/41

Out: 501.181+/-684.662 χ^2/NDF:57.7/49

All: 348.786+/-514.034 χ^2/NDF: 87.8/91



Right In: 3654.127+/-0.883 χ^2/NDF: 577322.7/18

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3414.267+/-0.762 χ^2/NDF: 1639771.3/24

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

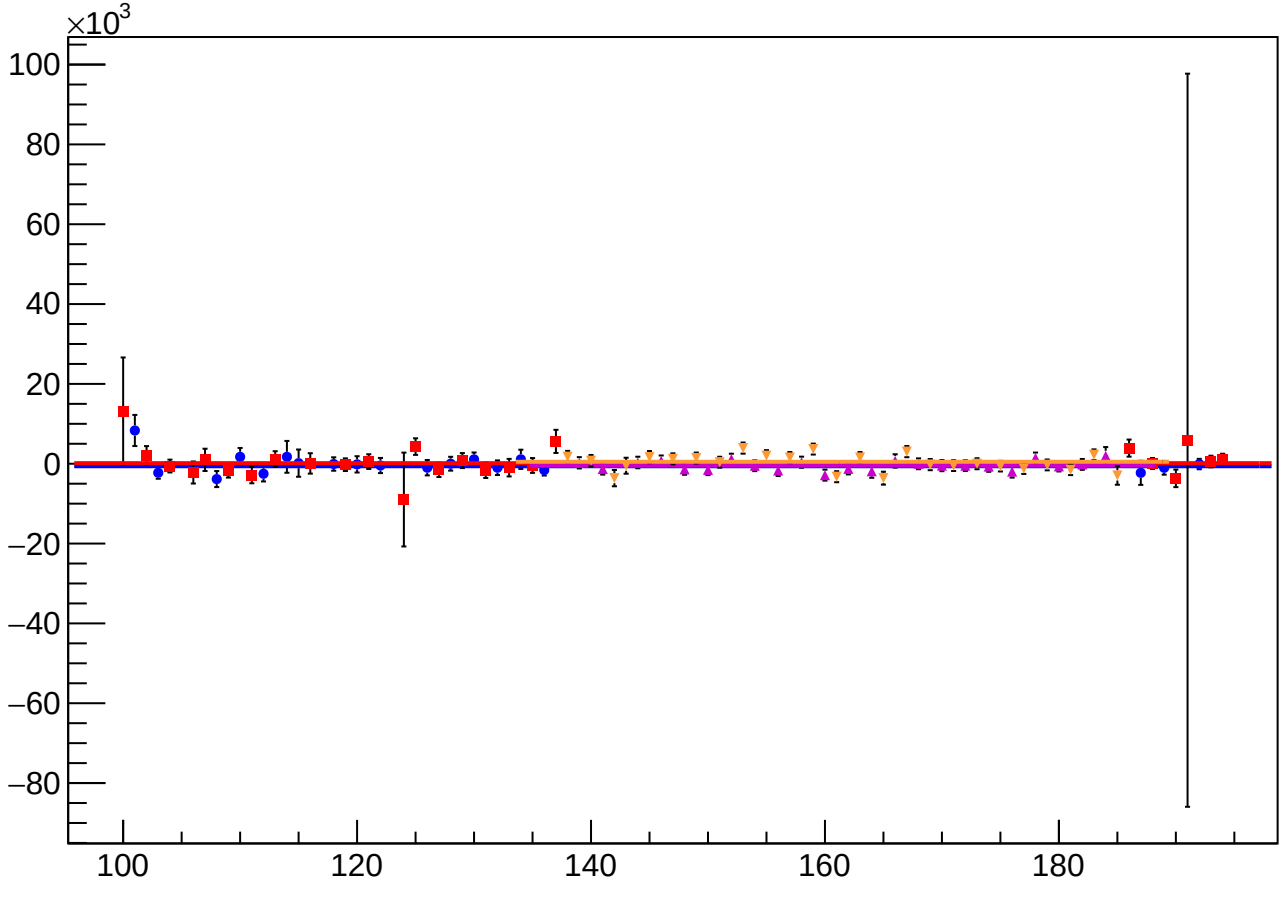
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3516.729+/-0.577 χ^2/NDF: 2259404.5/43

In: 3971.630+/-0.550 χ^2/NDF:2064019.8/41

Out: 3575.616+/-0.484 χ^2/NDF:5408595.2/49

All: 3748.406+/-0.363 χ^2/NDF: 7764564.0/91



Right In: -629.317+/-437.603 χ^2/NDF: 14.4/18

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 142.652+/-402.235 χ^2/NDF: 23.2/24

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

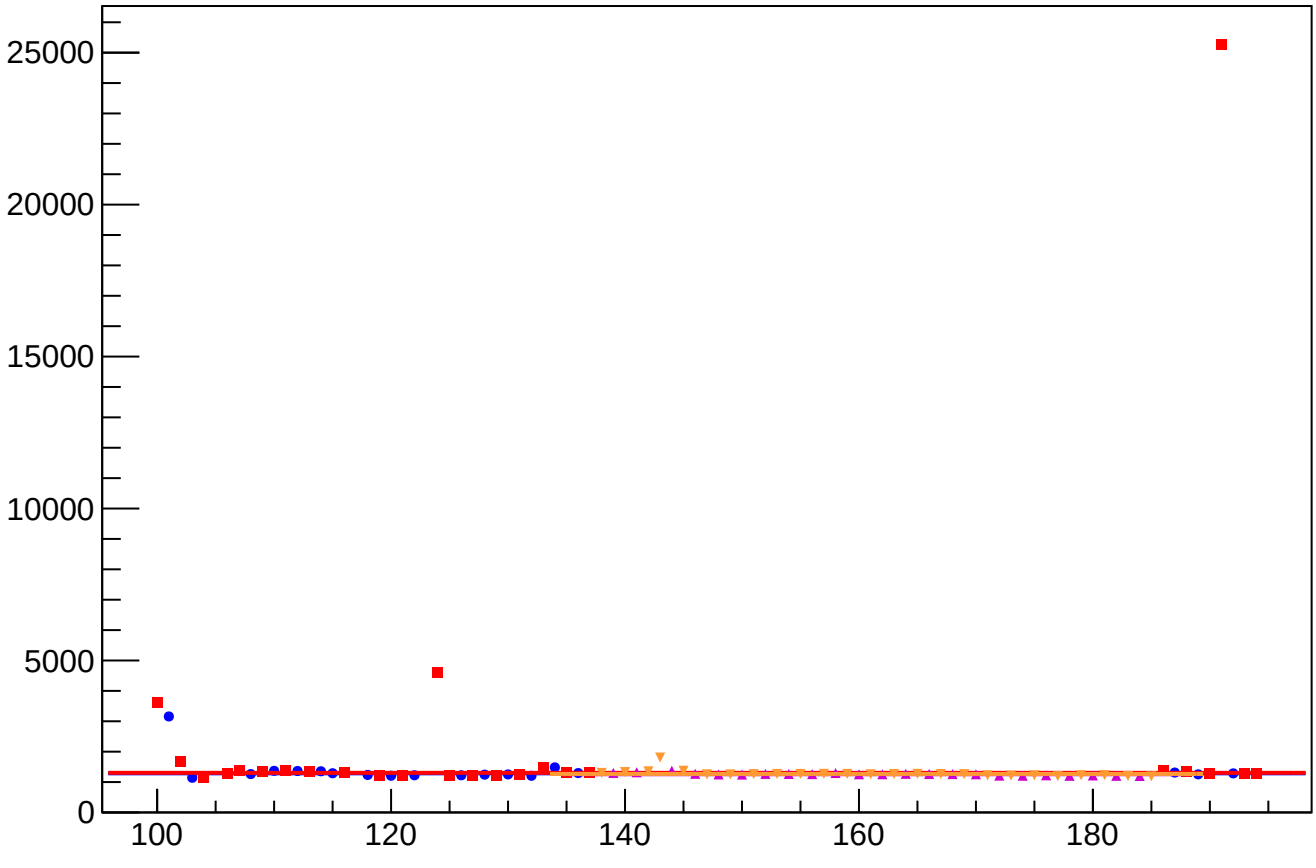
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -210.880+/-296.139 χ^2/NDF: 39.3/43

In: -531.019+/-243.906 χ^2/NDF:28.9/41

Out: 373.385+/-234.431 χ^2/NDF:70.6/49

All: -60.909+/-169.018 χ^2/NDF: 106.7/91



Right In: 1287.289+/-0.309 χ^2/NDF: 515595.1/18

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1303.463+/-0.284 χ^2/NDF: 471917.6/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

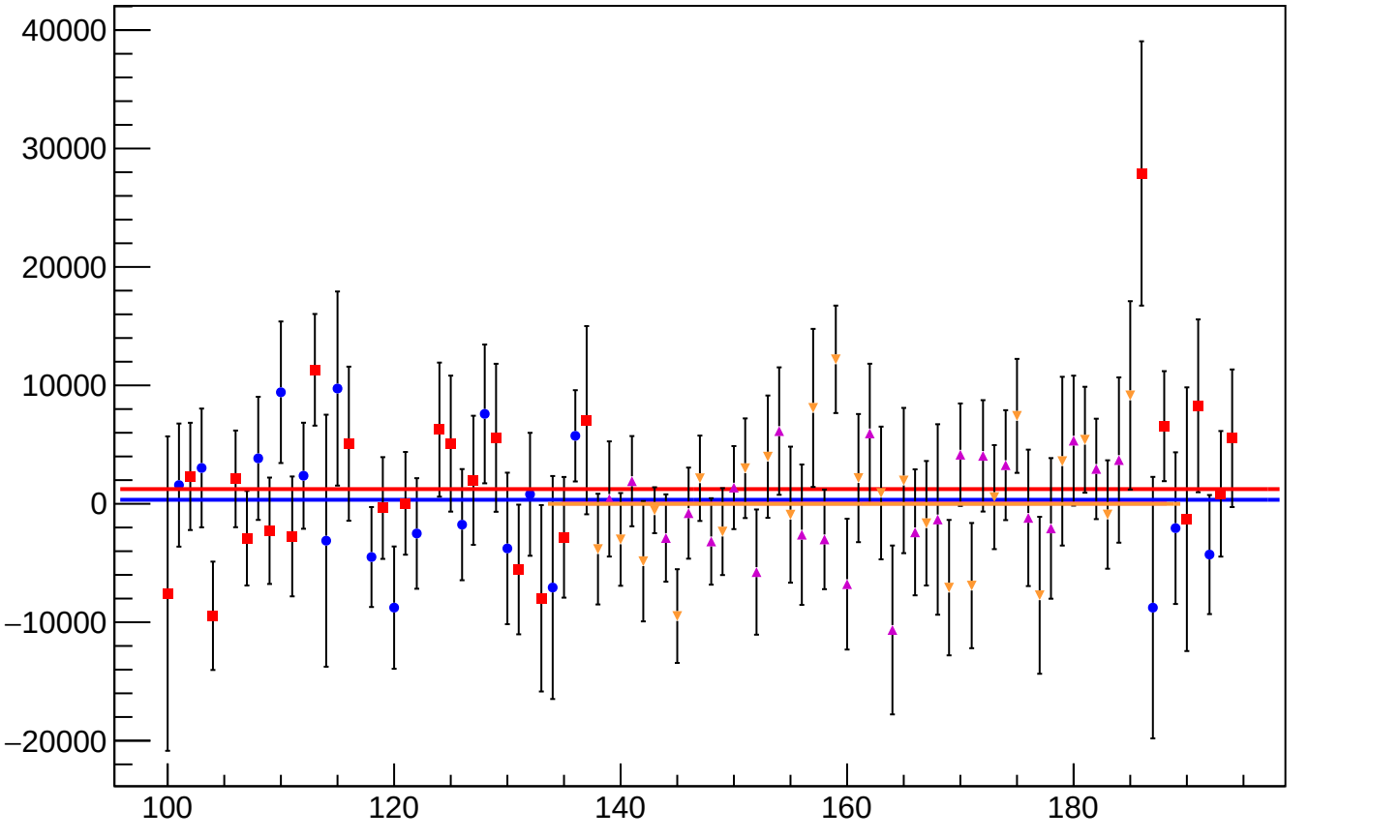
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

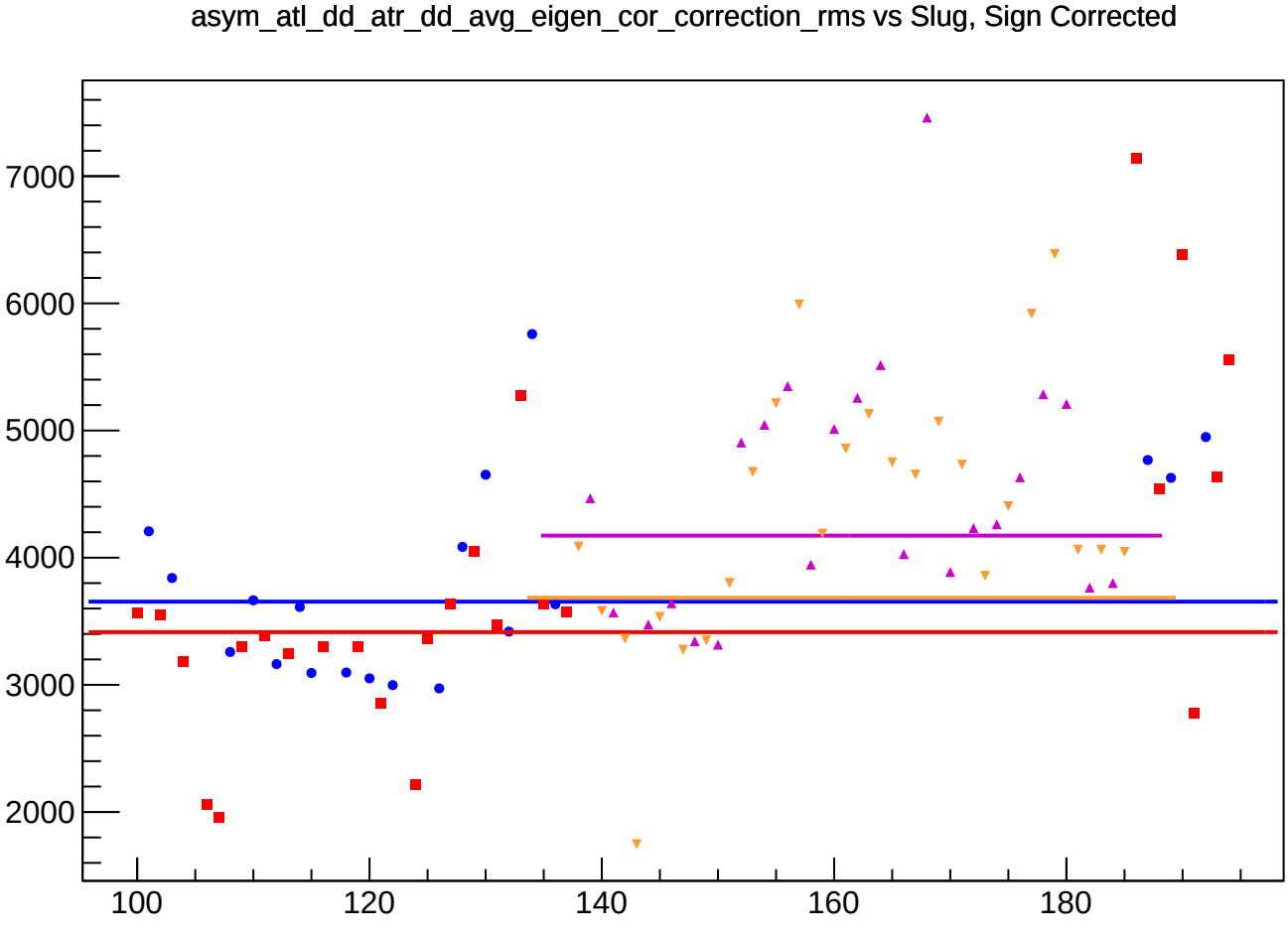
Right: 1296.066+/-0.209 χ^2/NDF: 988995.3/43

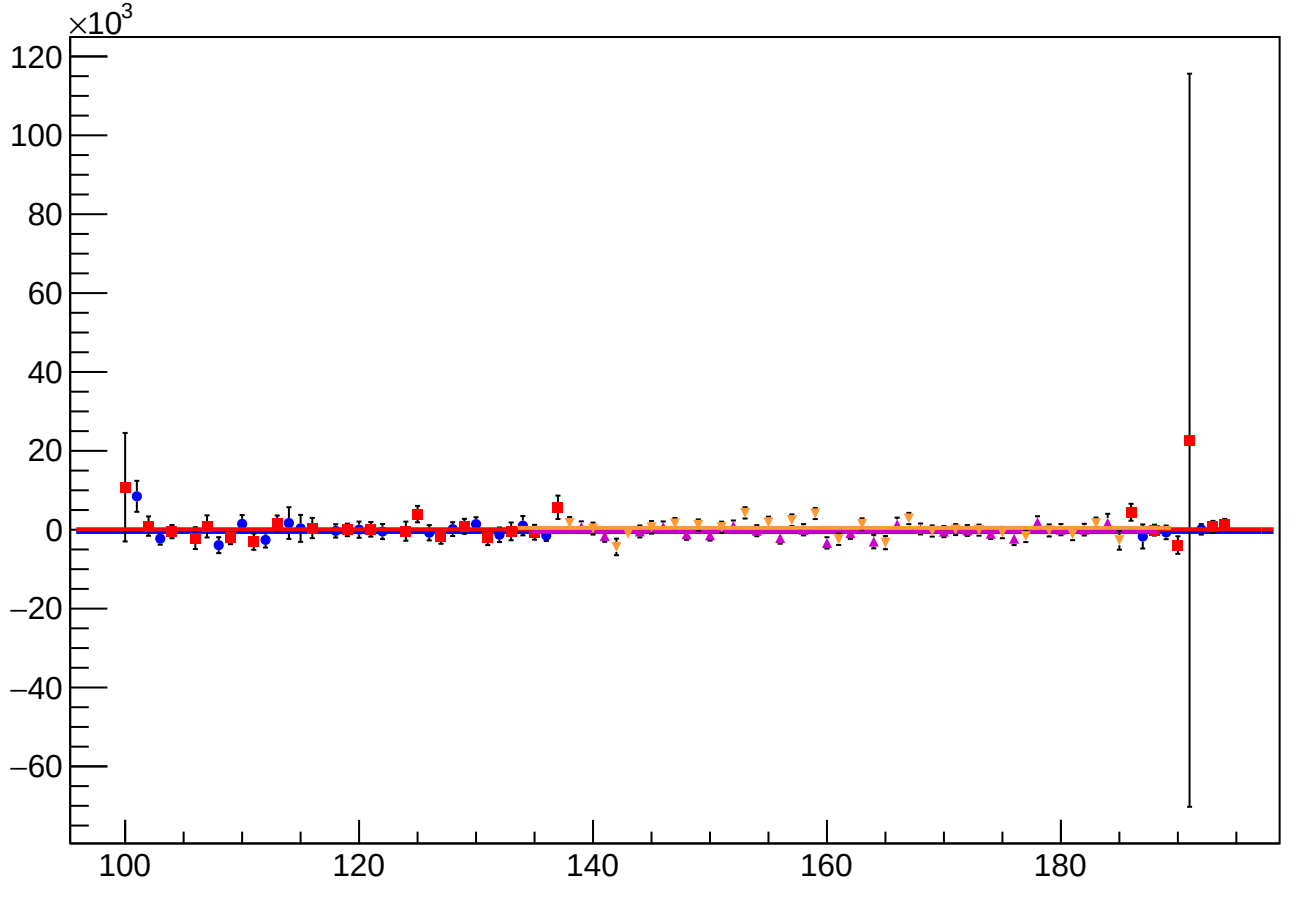
In: 1266.790+/-0.172 χ^2/NDF:558778.1/41

Out: 1279.385+/-0.166 χ^2/NDF:670352.9/49

All: 1273.339+/-0.119 χ^2/NDF: 1231904.4/91


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
Right In: 341.091+/-1248.128 χ²/NDF: 15.9/18
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: 1242.874+/-1077.835 χ²/NDF: 27.8/24
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 857.654+/-815.761 χ²/NDF: 44.0/43
In: 151.909+/-778.194 χ²/NDF:30.0/41
Out: 501.181+/-684.662 χ²/NDF:57.7/49
All: 348.786+/-514.034 χ²/NDF: 87.8/91


asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
Right In: 3654.127+/-0.883 χ²/NDF: 577322.7/18
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3414.267+/-0.762 χ²/NDF: 1639771.3/24
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 3516.729+/-0.577 χ²/NDF: 2259404.5/43
In: 3971.630+/-0.550 χ²/NDF:2064019.8/41
Out: 3575.616+/-0.484 χ²/NDF:5408595.2/49
All: 3748.406+/-0.363 χ²/NDF: 7764564.0/91



Right In: -555.878+/-442.785 χ^2/NDF: 14.5/18

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 122.732+/-402.102 χ^2/NDF: 23.5/24

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

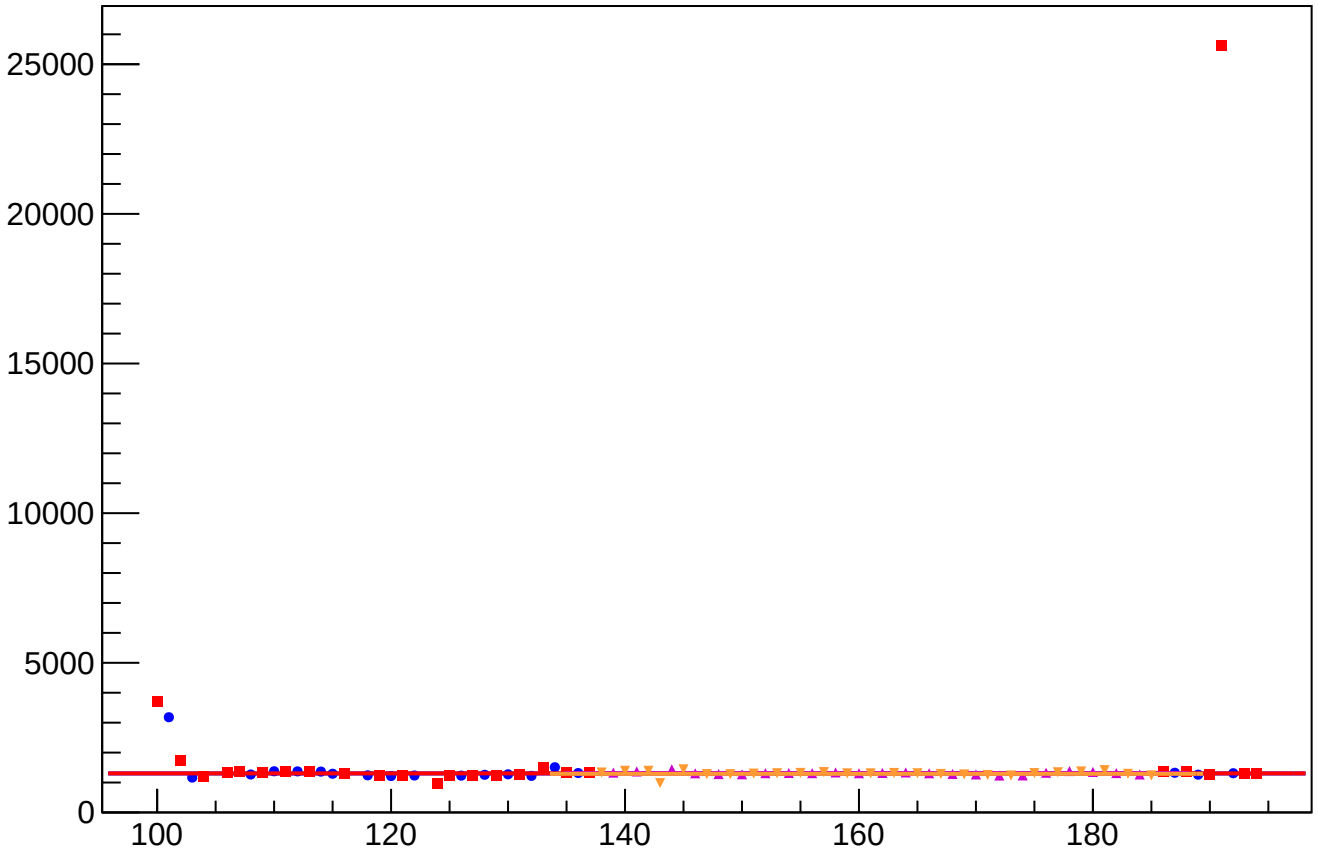
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -183.972+/-297.675 χ^2/NDF: 39.3/43

In: -520.548+/-252.322 χ^2/NDF:31.9/41

Out: 347.539+/-237.464 χ^2/NDF:68.1/49

All: -60.195+/-172.927 χ^2/NDF: 106.3/91



Right In: 1302.569+/-0.313 χ^2/NDF: 511871.0/18

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1305.677+/-0.284 χ^2/NDF: 360135.5/24

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

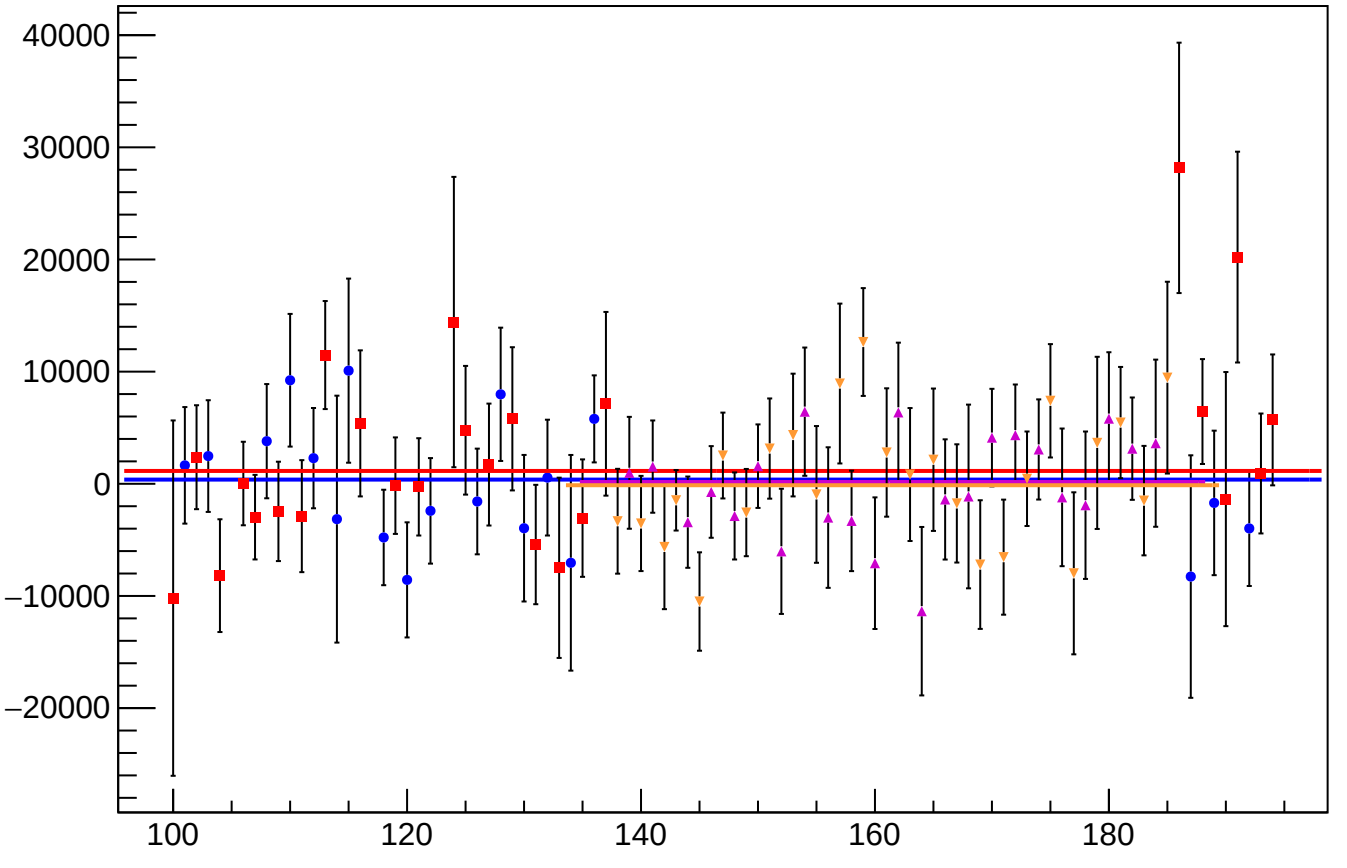
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1304.273+/-0.210 χ^2/NDF: 872060.5/43

In: 1310.292+/-0.178 χ^2/NDF:555816.7/41

Out: 1296.259+/-0.168 χ^2/NDF:592557.5/49

All: 1302.849+/-0.122 χ^2/NDF: 1151655.2/91



Right In: 374.648+/-1251.845 χ^2/NDF: 15.7/18

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1145.582+/-1096.551 χ^2/NDF: 29.6/24

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

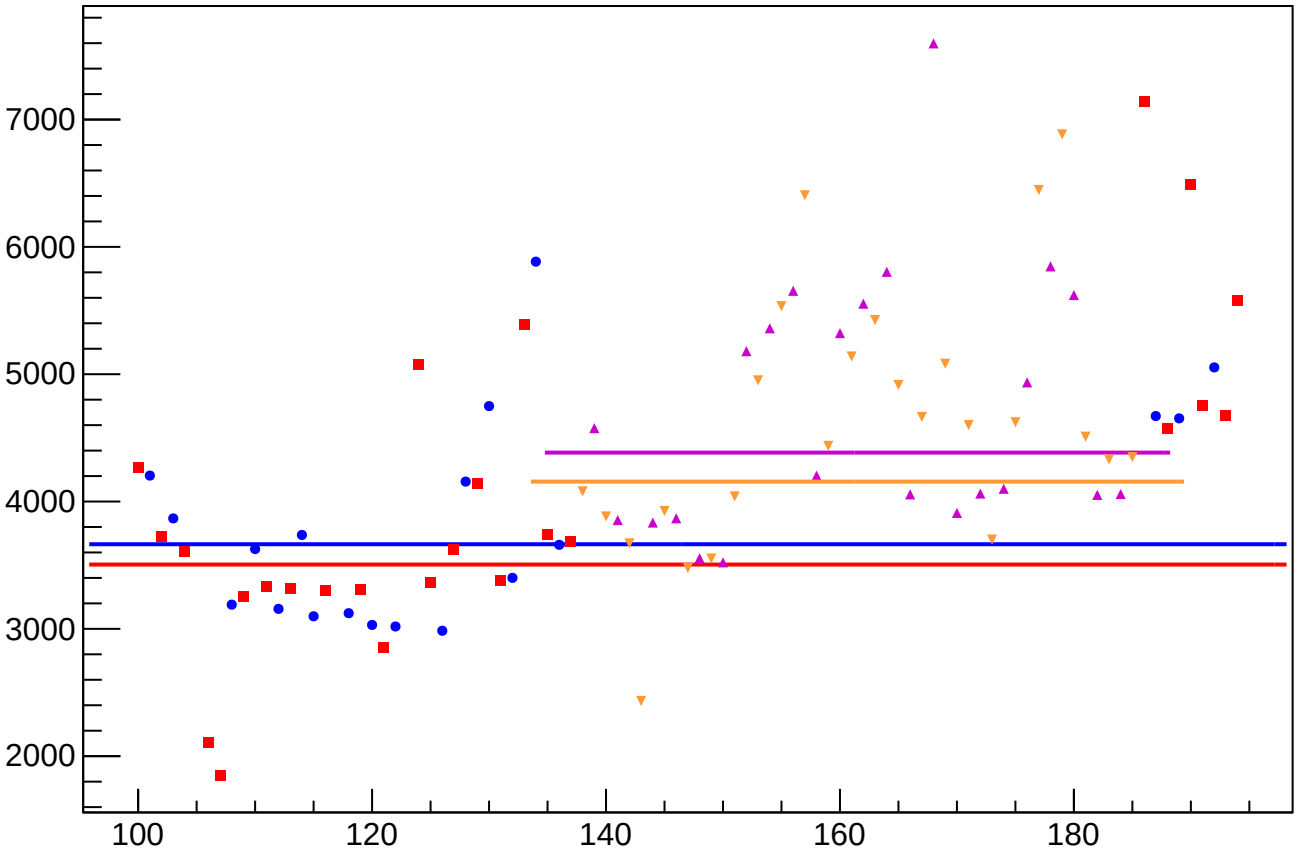
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: 810.873+/-824.851 χ^2/NDF: 45.6/43

In: 247.877+/-802.456 χ^2/NDF:29.5/41

Out: 436.159+/-729.559 χ^2/NDF:58.9/49

All: 350.957+/-539.812 χ^2/NDF: 88.5/91



Right In: 3664.685+/-0.885 χ^2/NDF: 611305.2/18

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3504.957+/-0.775 χ^2/NDF: 1746894.4/24

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

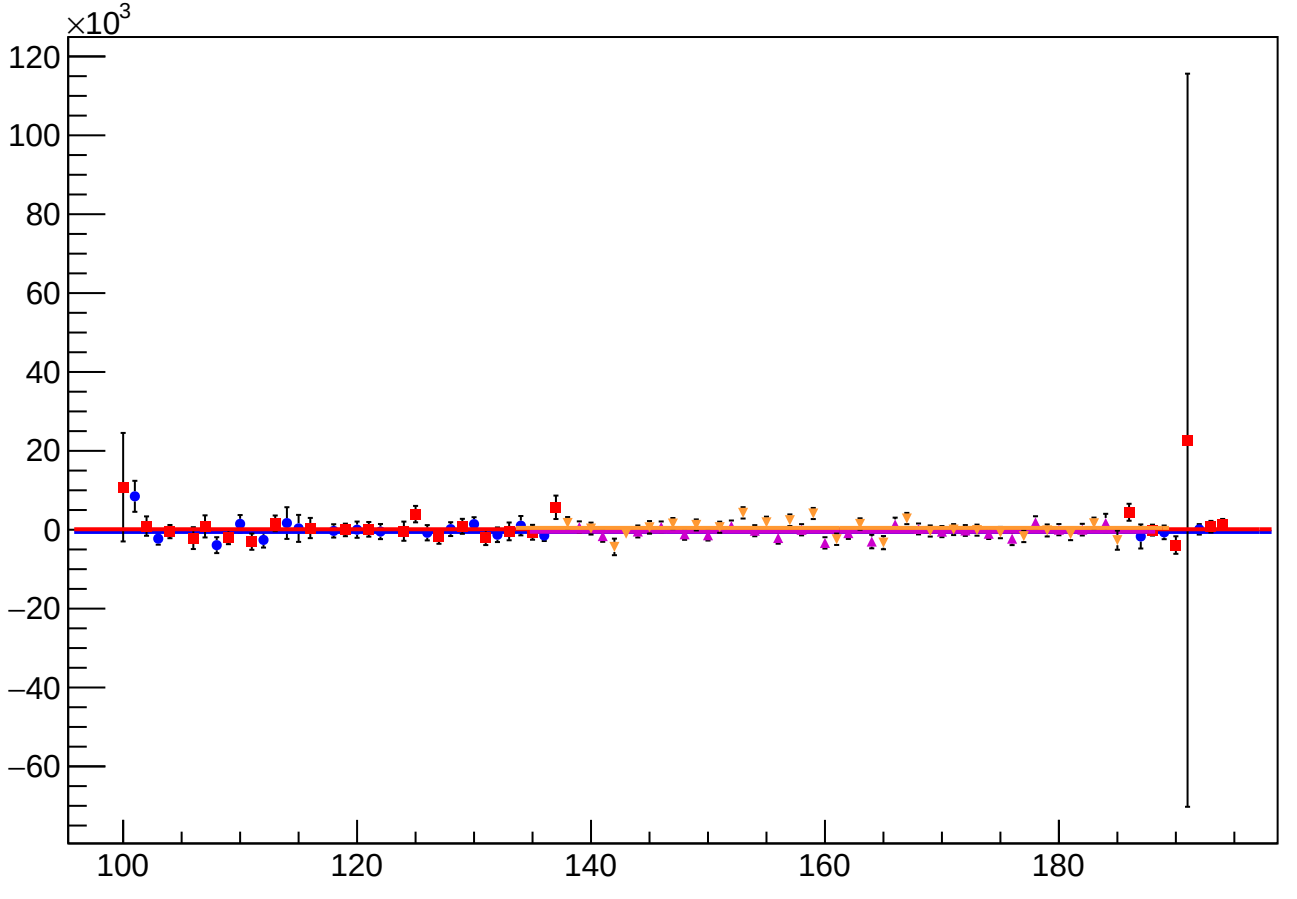
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3574.305+/-0.583 χ^2/NDF: 2376623.4/43

In: 4088.620+/-0.567 χ^2/NDF:2256128.5/41

Out: 3868.139+/-0.516 χ^2/NDF:4221295.0/49

All: 3967.912+/-0.382 χ^2/NDF: 6560083.9/91



Right In: -555.882+/-442.785 χ^2/NDF: 14.5/18

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 122.727+/-402.102 χ^2/NDF: 23.5/24

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

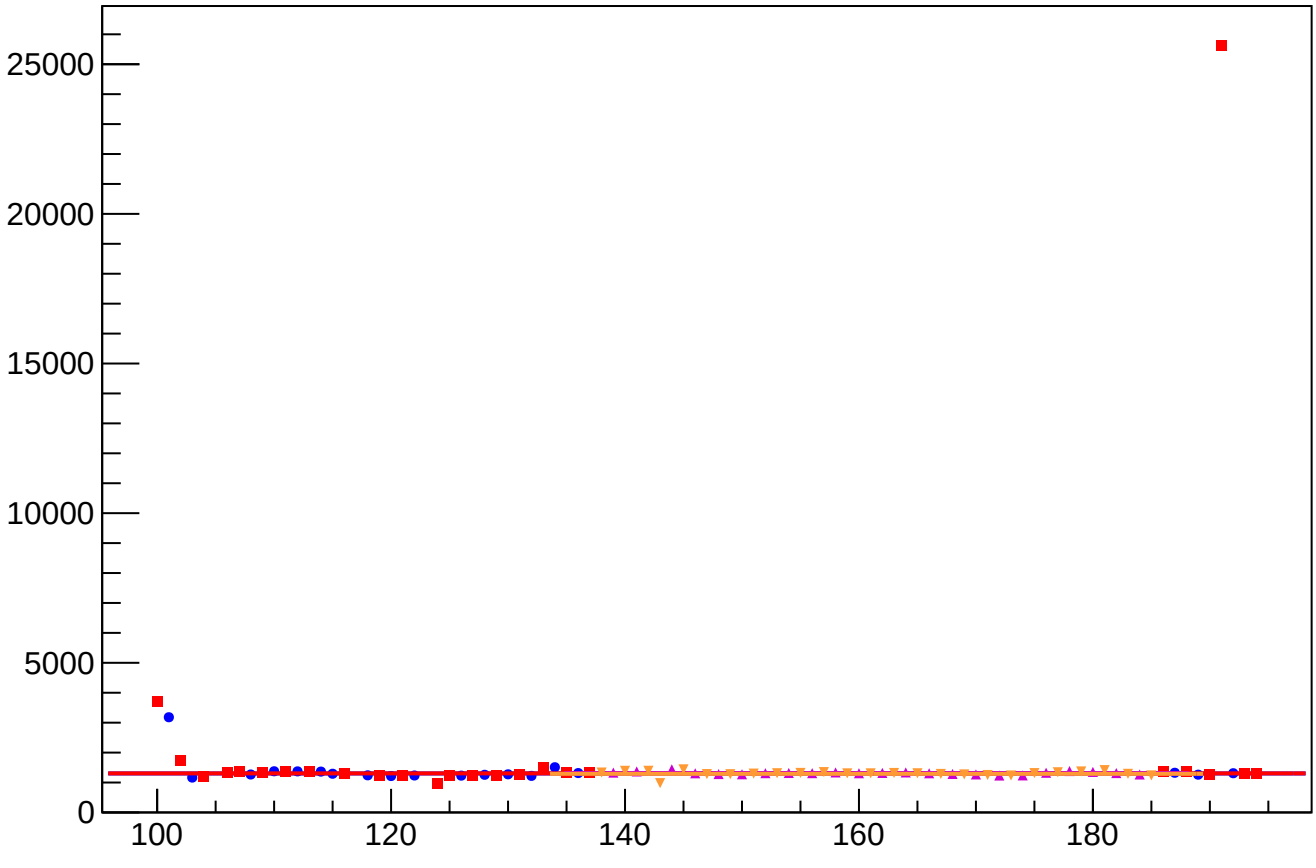
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -183.977+/-297.675 χ^2/NDF: 39.3/43

In: -520.549+/-252.322 χ^2/NDF:31.9/41

Out: 347.539+/-237.464 χ^2/NDF:68.1/49

All: -60.196+/-172.927 χ^2/NDF: 106.3/91



Right In: 1302.568+/-0.313 χ^2/NDF: 511871.1/18

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1305.677+/-0.284 χ^2/NDF: 360135.6/24

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

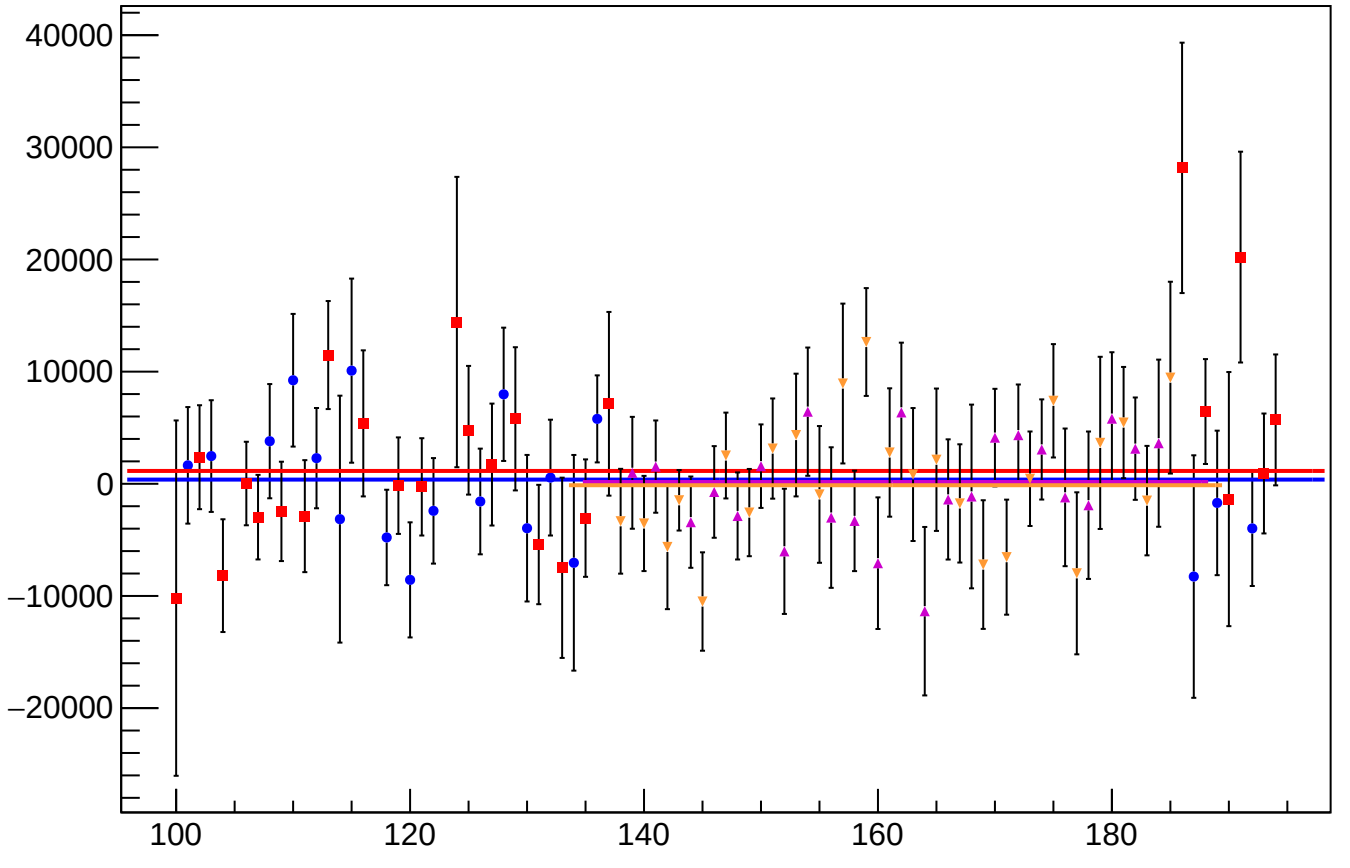
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1304.273+/-0.210 χ^2/NDF: 872060.8/43

In: 1310.293+/-0.178 χ^2/NDF:555819.3/41

Out: 1296.260+/-0.168 χ^2/NDF:592559.8/49

All: 1302.850+/-0.122 χ^2/NDF: 1151660.0/91



Right In: 374.640+/-1251.843 χ^2/NDF: 15.7/18

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1145.573+/-1096.549 χ^2/NDF: 29.6/24

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

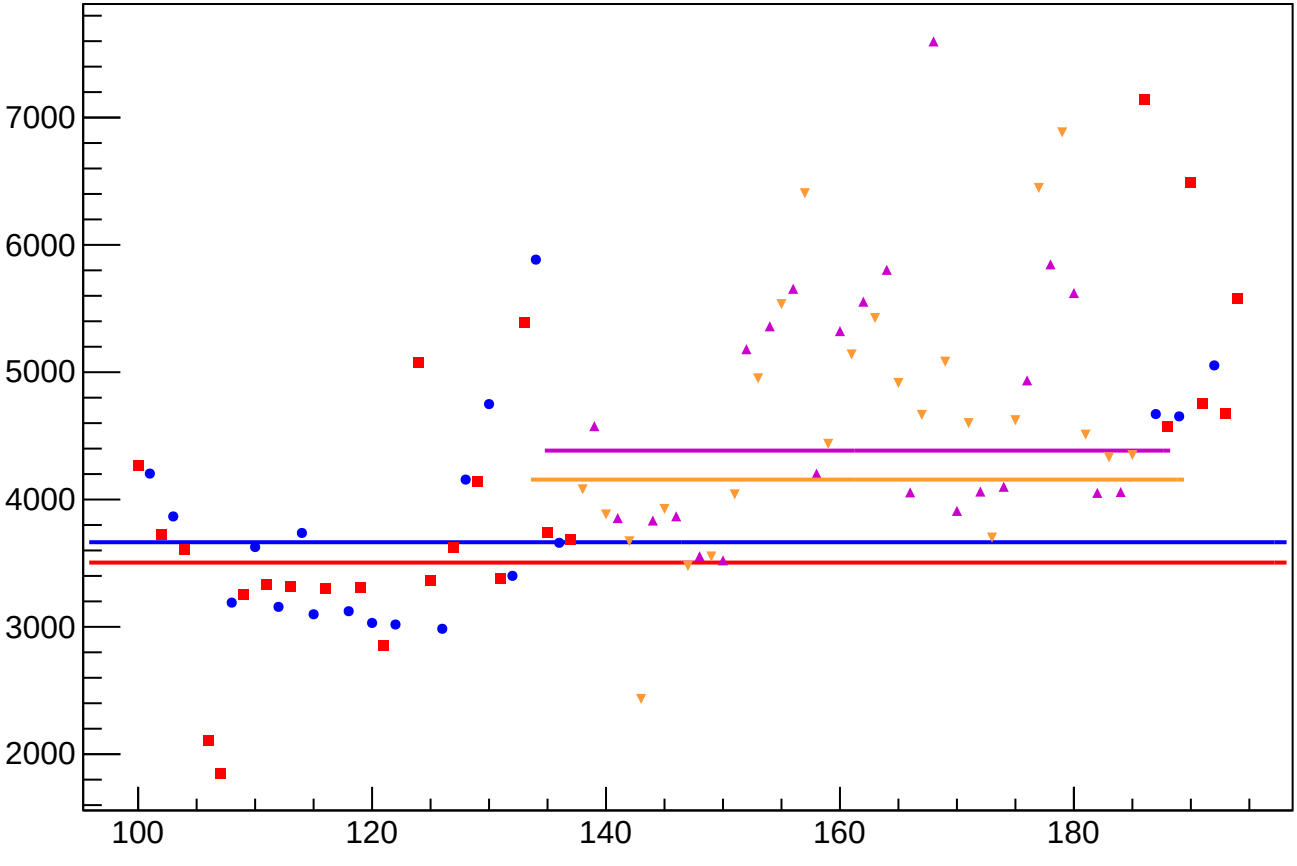
Right: 810.865+/-824.849 χ^2/NDF: 45.6/43

In: 247.875+/-802.456 χ^2/NDF:29.5/41

Out: 436.159+/-729.559 χ^2/NDF:58.9/49

All: 350.956+/-539.812 χ^2/NDF: 88.5/91

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3664.676+/-0.885 χ^2/NDF: 611314.1/18

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3504.950+/-0.775 χ^2/NDF: 1746905.4/24

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

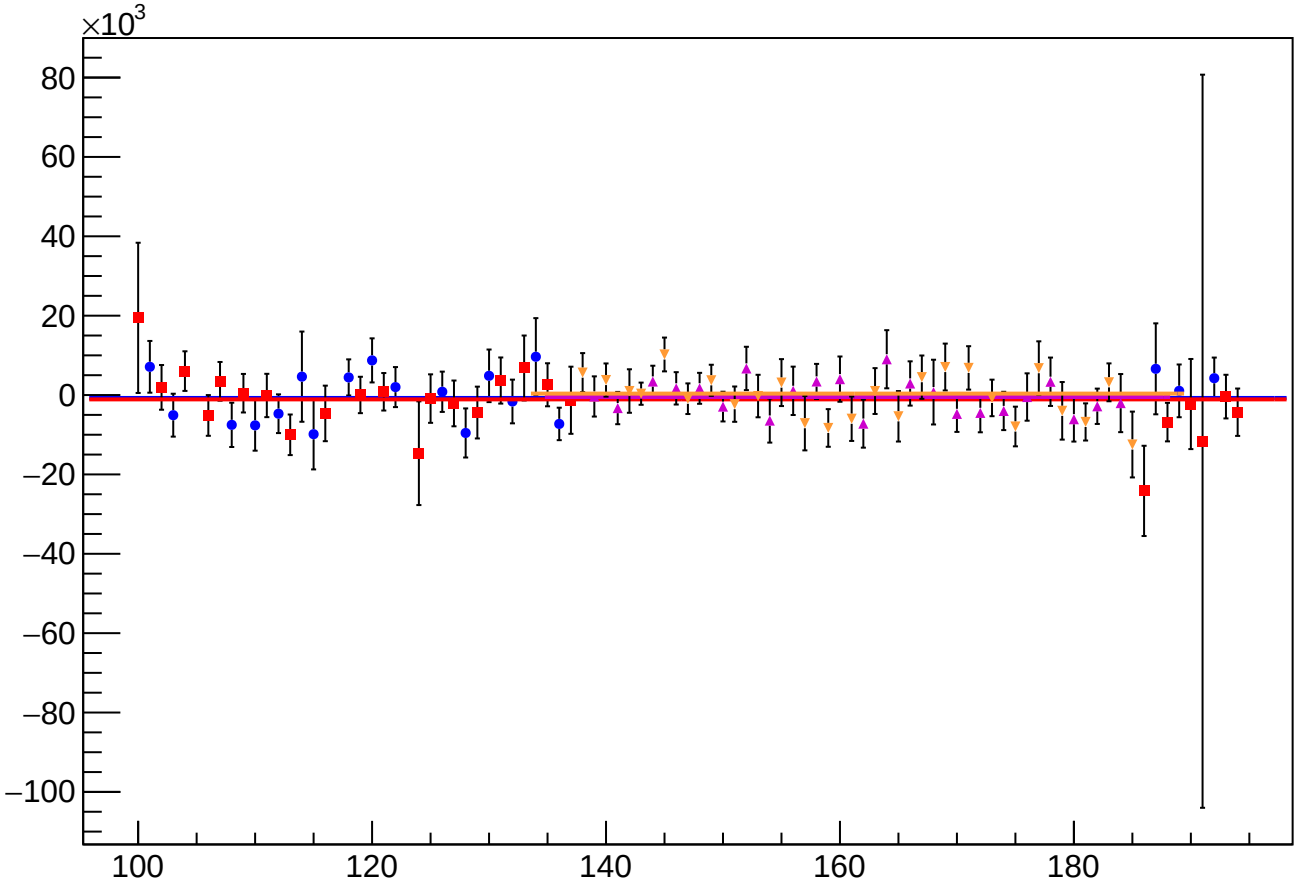
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3574.297+/-0.583 χ^2/NDF: 2376643.1/43

In: 4088.620+/-0.567 χ^2/NDF:2256158.4/41

Out: 3868.138+/-0.516 χ^2/NDF:4221325.7/49

All: 3967.911+/-0.382 χ^2/NDF: 6560144.5/91



Right In: -733.309+/-1342.024 χ^2/NDF: 19.1/18

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1092.453+/-1213.237 χ^2/NDF: 17.9/24

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

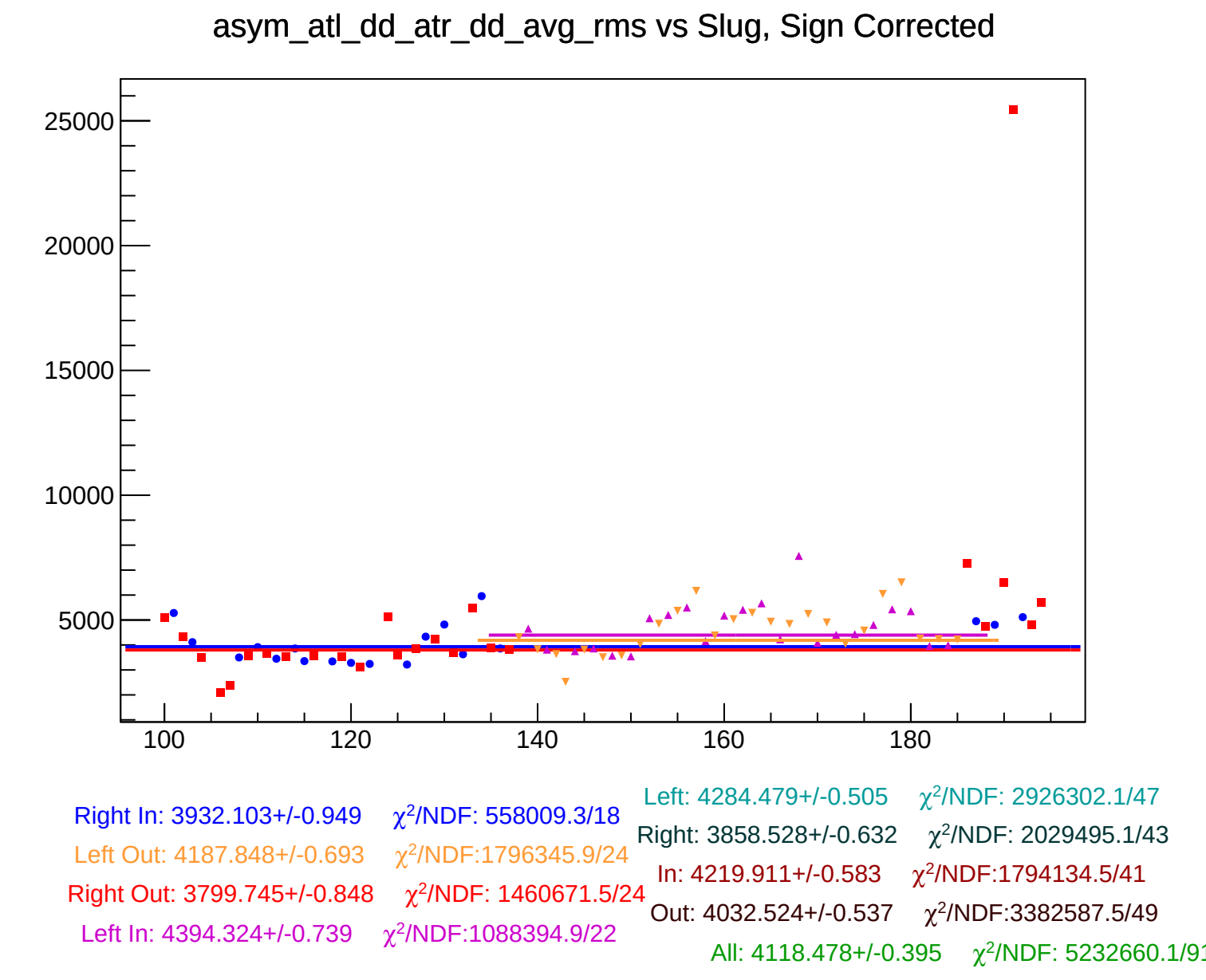
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

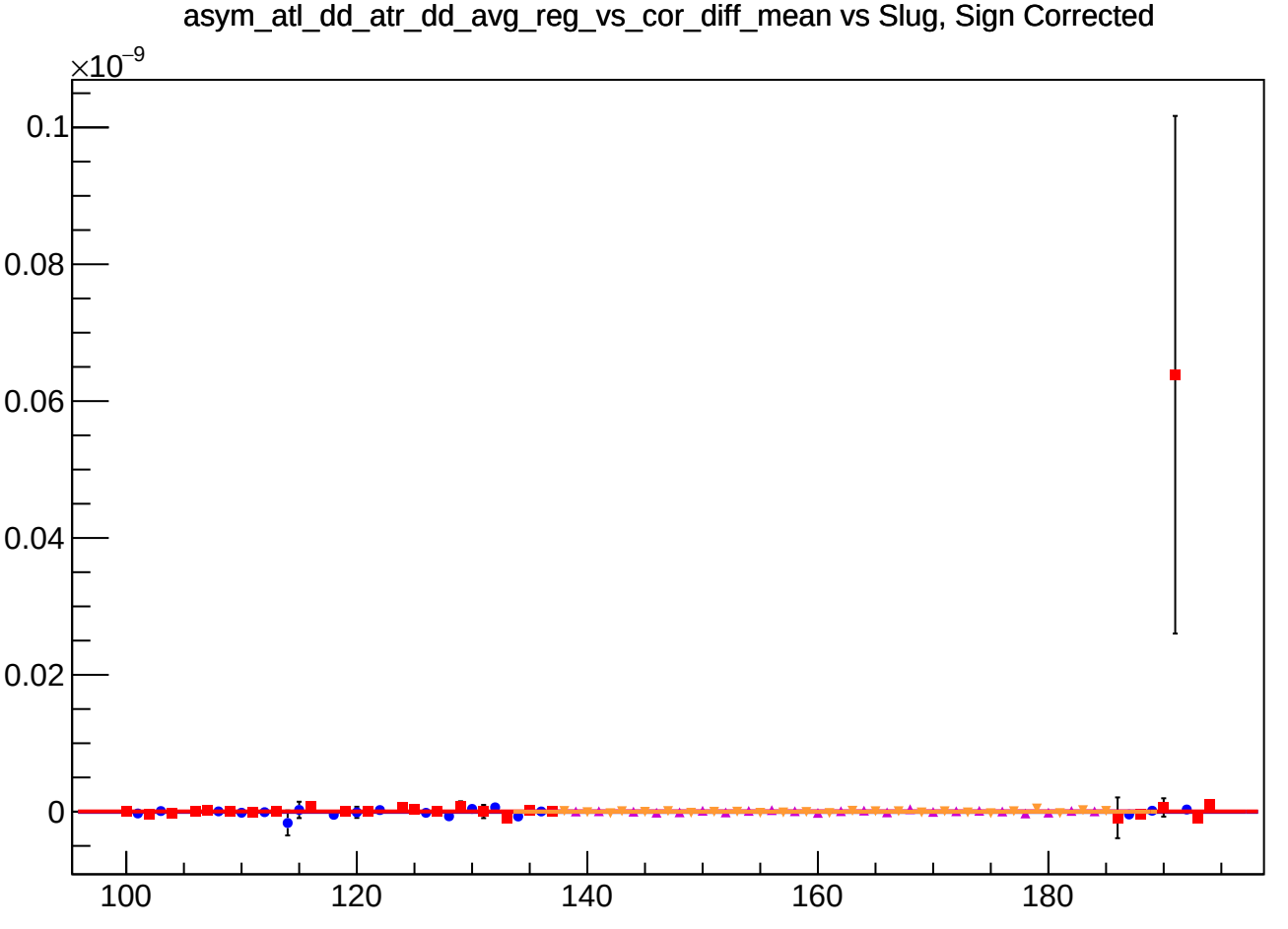
Right: -930.936+/-899.984 χ^2/NDF: 37.1/43

In: -586.492+/-824.370 χ^2/NDF:33.0/41

Out: -211.866+/-762.293 χ^2/NDF:46.4/49

All: -384.544+/-559.683 χ^2/NDF: 79.6/91


asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
Right In: 3932.103+/-0.949 χ²/NDF: 558009.3/18
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 3799.745+/-0.848 χ²/NDF: 1460671.5/24
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 3858.528+/-0.632 χ²/NDF: 2029495.1/43
In: 4219.911+/-0.583 χ²/NDF:1794134.5/41
Out: 4032.524+/-0.537 χ²/NDF:3382587.5/49
All: 4118.478+/-0.395 χ²/NDF: 5232660.1/91



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/24

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

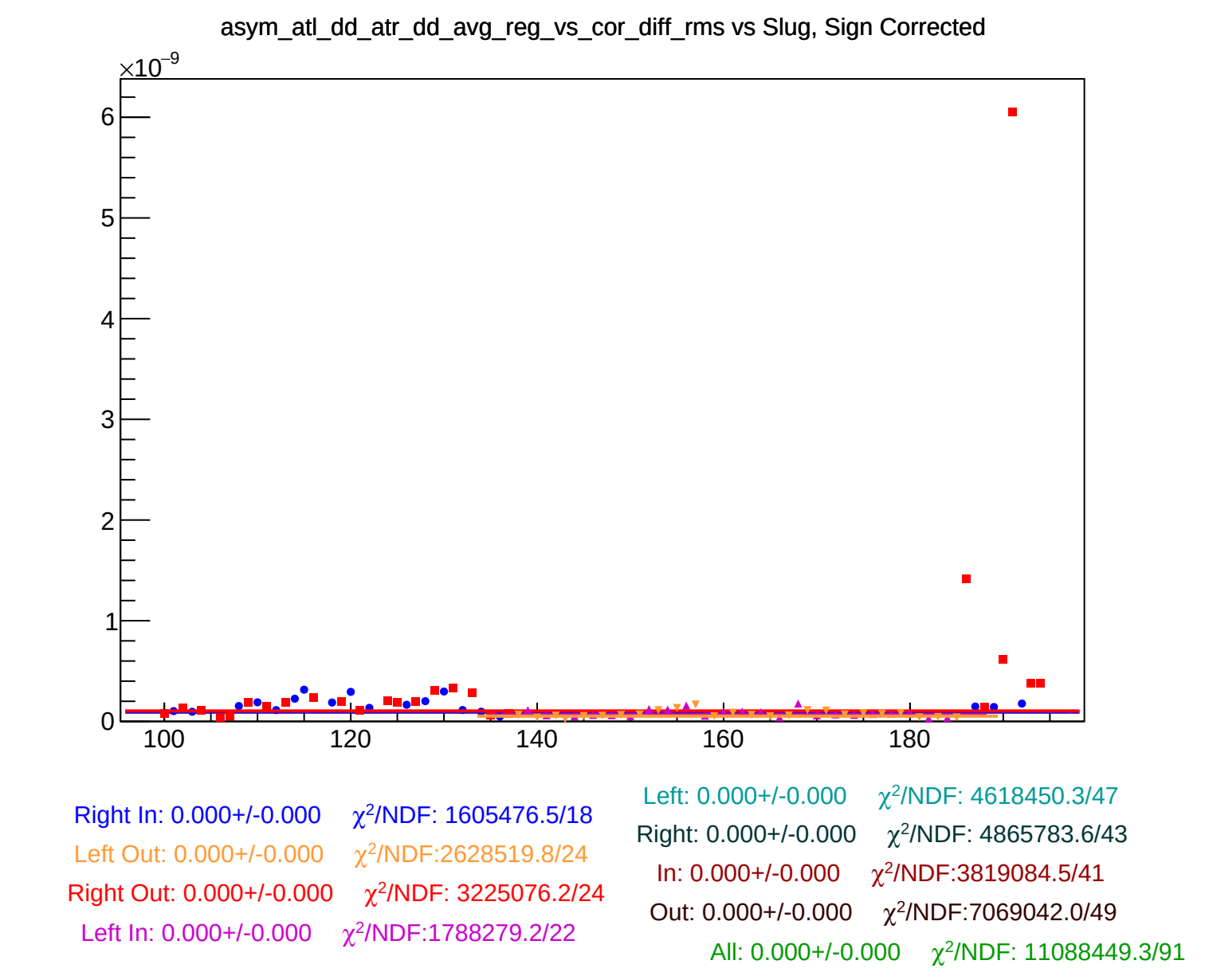
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 44.5/43

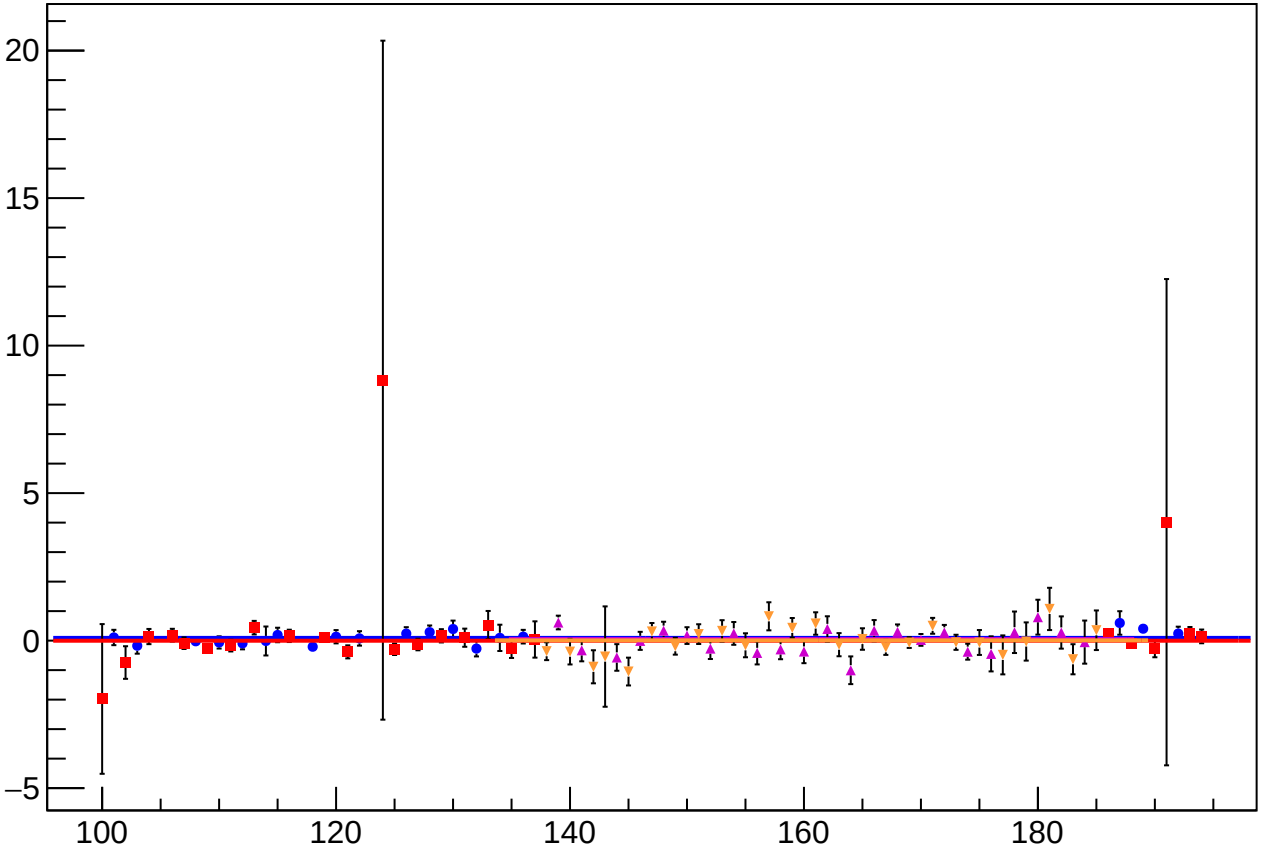
In: 0.000+/-0.000 χ^2/NDF:35.8/41

Out: 0.000+/-0.000 χ^2/NDF:56.6/49

All: 0.000+/-0.000 χ^2/NDF: 92.5/91


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
Right In: 0.000+/-0.000 χ²/NDF: 1605476.5/18
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 3225076.2/24
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: 4865783.6/43
In: 0.000+/-0.000 χ²/NDF:3819084.5/41
Out: 0.000+/-0.000 χ²/NDF:7069042.0/49
All: 0.000+/-0.000 χ²/NDF: 11088449.3/91

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

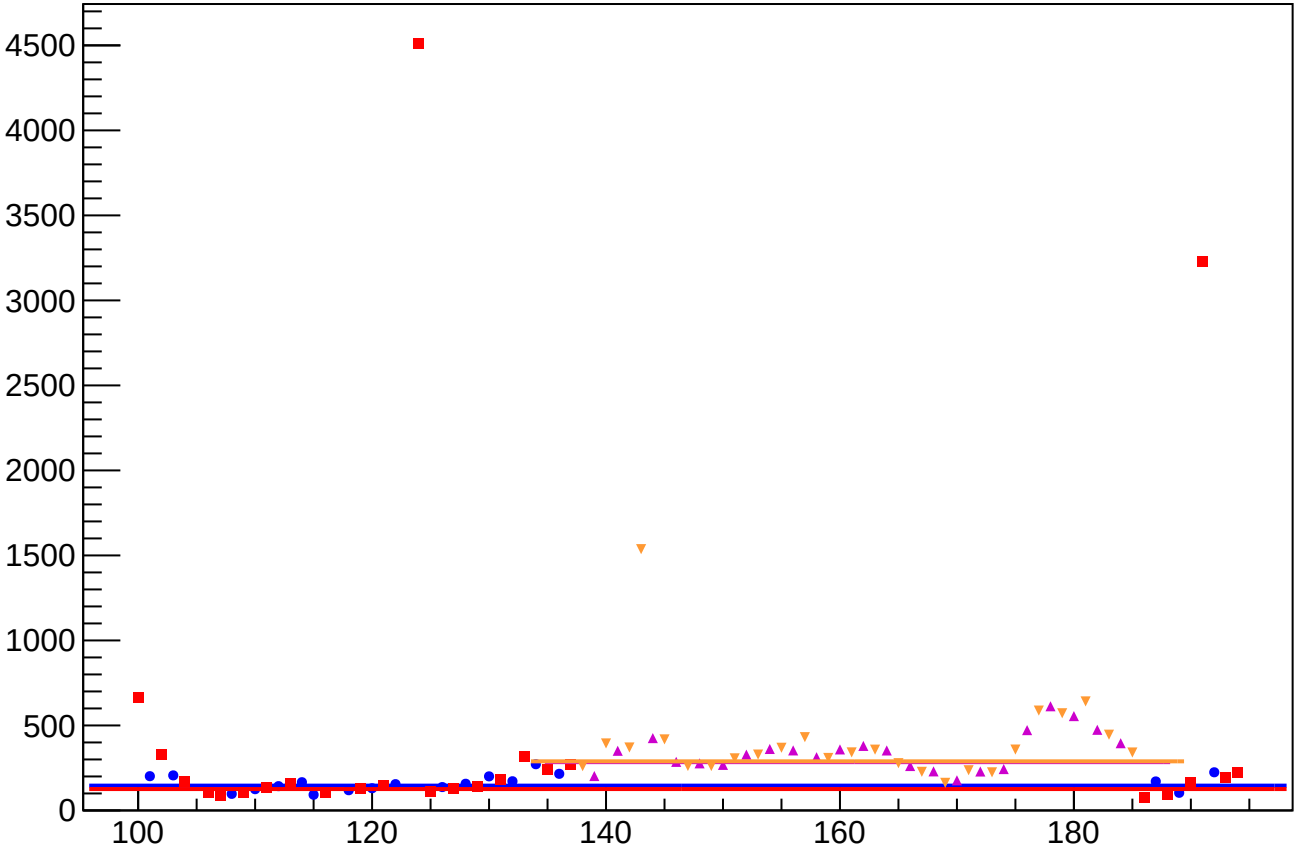
Right: 0.035+/-0.033 χ^2/NDF: 46.4/43

In: 0.079+/-0.042 χ^2/NDF:44.9/41

Out: -0.000+/-0.037 χ^2/NDF:56.4/49

All: 0.034+/-0.028 χ^2/NDF: 103.2/91

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.020+/-0.037 χ^2/NDF: 1386367.2/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 125.881+/-0.030 χ^2/NDF: 3041122.6/24

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

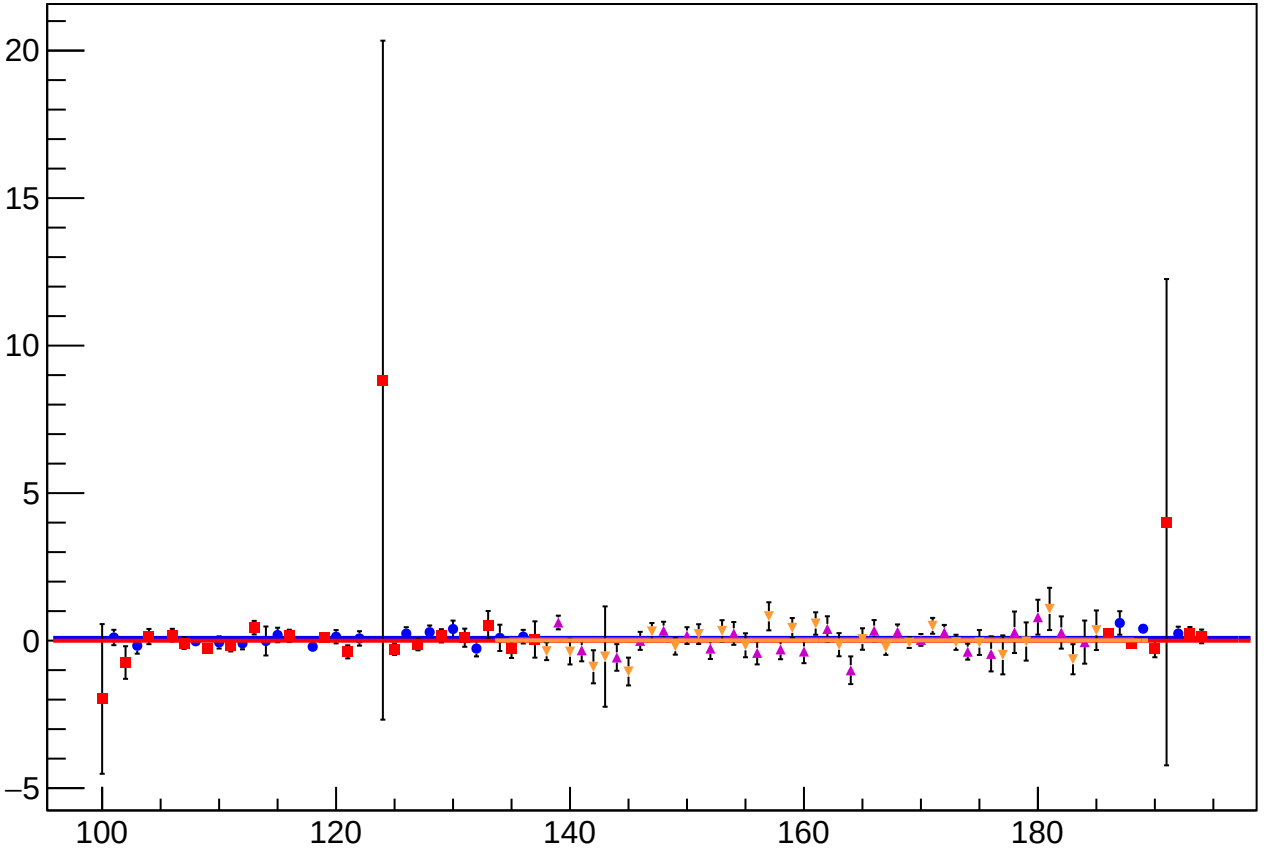
Right: 133.978+/-0.023 χ^2/NDF: 4606161.1/43

In: 194.906+/-0.030 χ^2/NDF:9439381.6/41

Out: 169.206+/-0.026 χ^2/NDF:15429199.6/49

All: 180.338+/-0.019 χ^2/NDF: 25295484.2/91

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

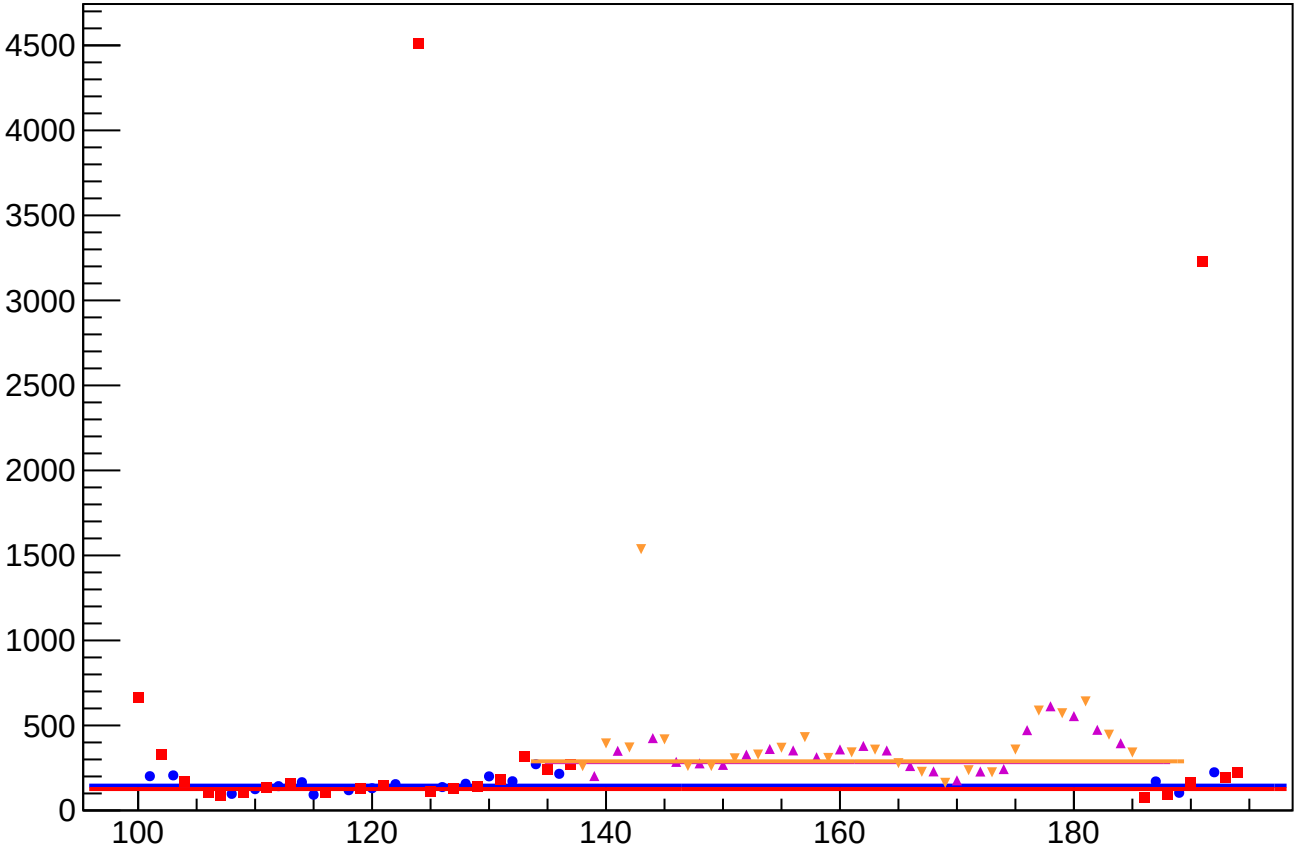
Right: 0.035+/-0.033 χ^2/NDF: 46.4/43

In: 0.079+/-0.042 χ^2/NDF:44.9/41

Out: -0.000+/-0.037 χ^2/NDF:56.4/49

All: 0.034+/-0.028 χ^2/NDF: 103.2/91

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.020+/-0.037 χ^2/NDF: 1386367.2/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 125.881+/-0.030 χ^2/NDF: 3041122.6/24

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

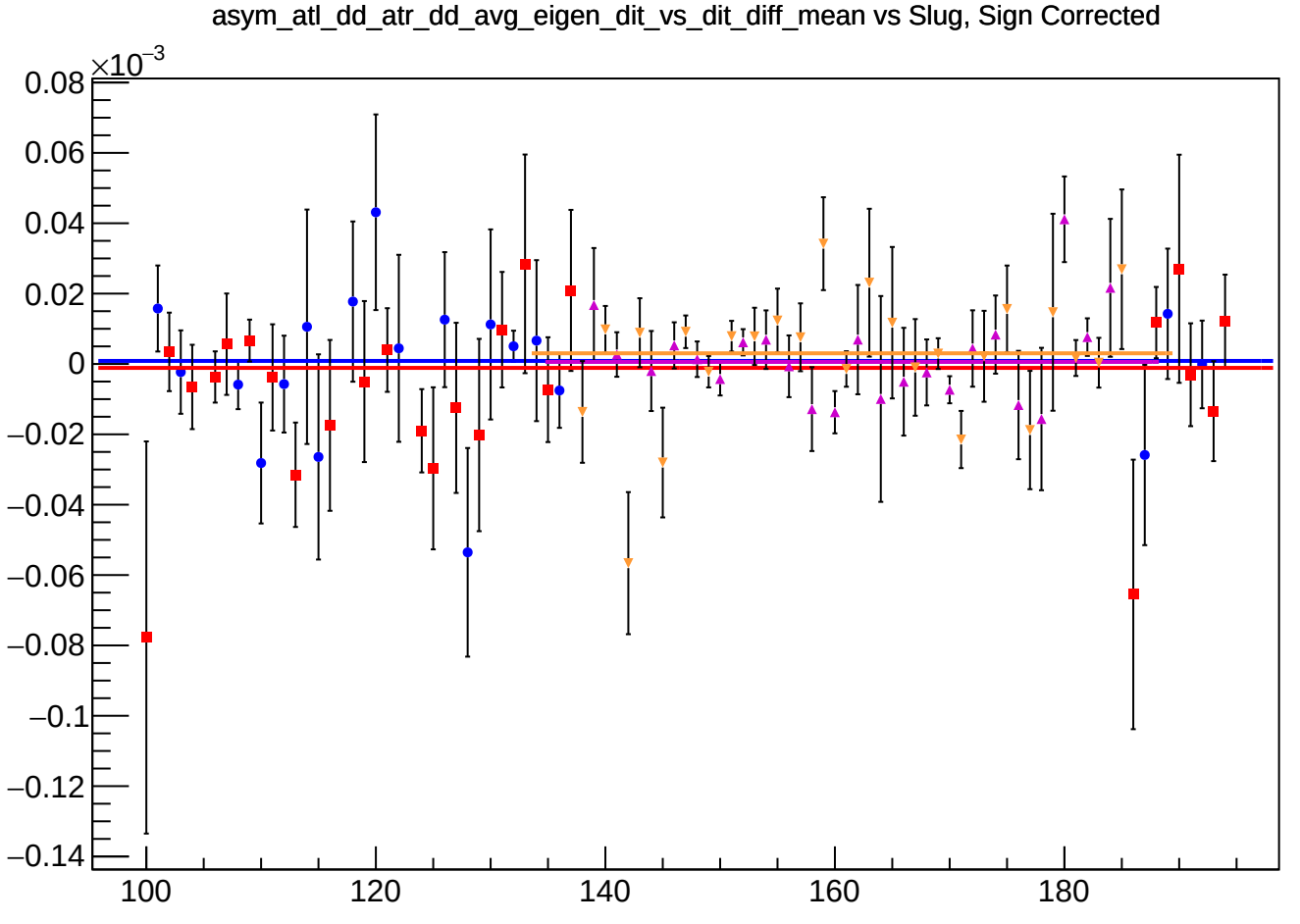
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 133.978+/-0.023 χ^2/NDF: 4606161.1/43

In: 194.906+/-0.030 χ^2/NDF:9439381.6/41

Out: 169.206+/-0.026 χ^2/NDF:15429199.6/49

All: 180.338+/-0.019 χ^2/NDF: 25295484.2/91



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/24

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

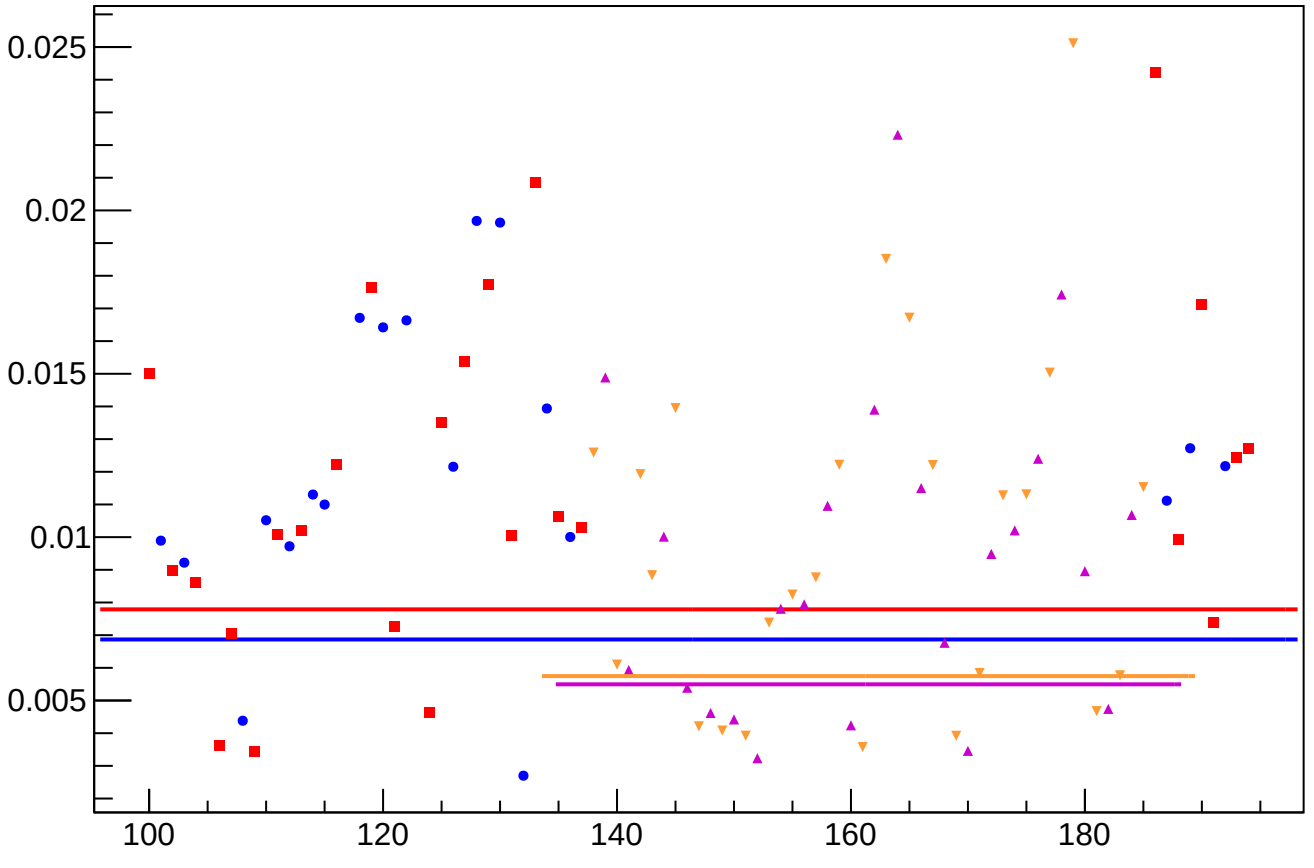
Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

Right: -0.000+/-0.000 χ^2/NDF: 39.9/43

In: 0.000+/-0.000 χ^2/NDF:49.7/41

Out: 0.000+/-0.000 χ^2/NDF:67.1/49

All: 0.000+/-0.000 χ^2/NDF: 117.3/91



Right In: 0.007+/-0.000 χ^2/NDF: 5313715.3/18

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 4671093.3/24

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

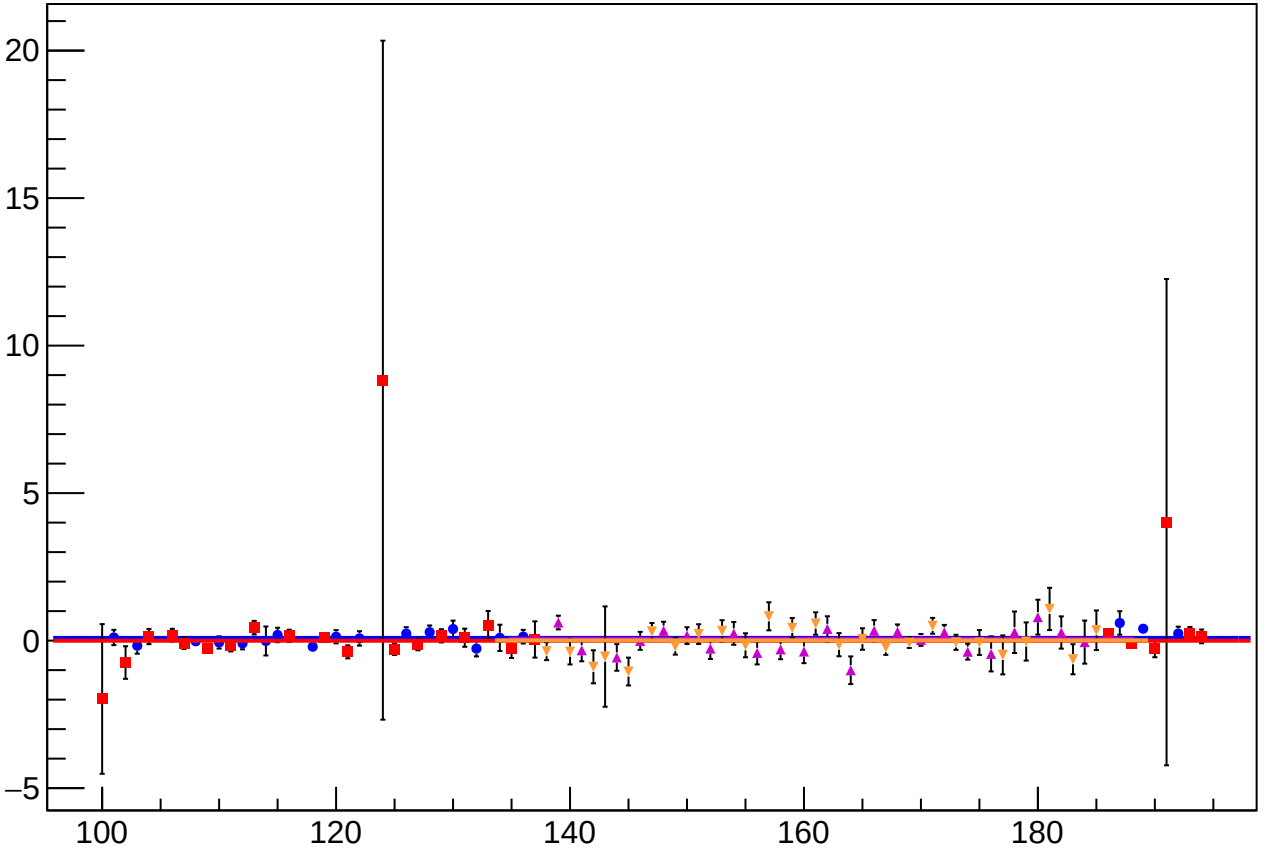
Right: 0.007+/-0.000 χ^2/NDF: 10096846.3/43

In: 0.006+/-0.000 χ^2/NDF:12622879.3/41

Out: 0.006+/-0.000 χ^2/NDF:13665984.3/49

All: 0.006+/-0.000 χ^2/NDF: 26394241.9/91

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

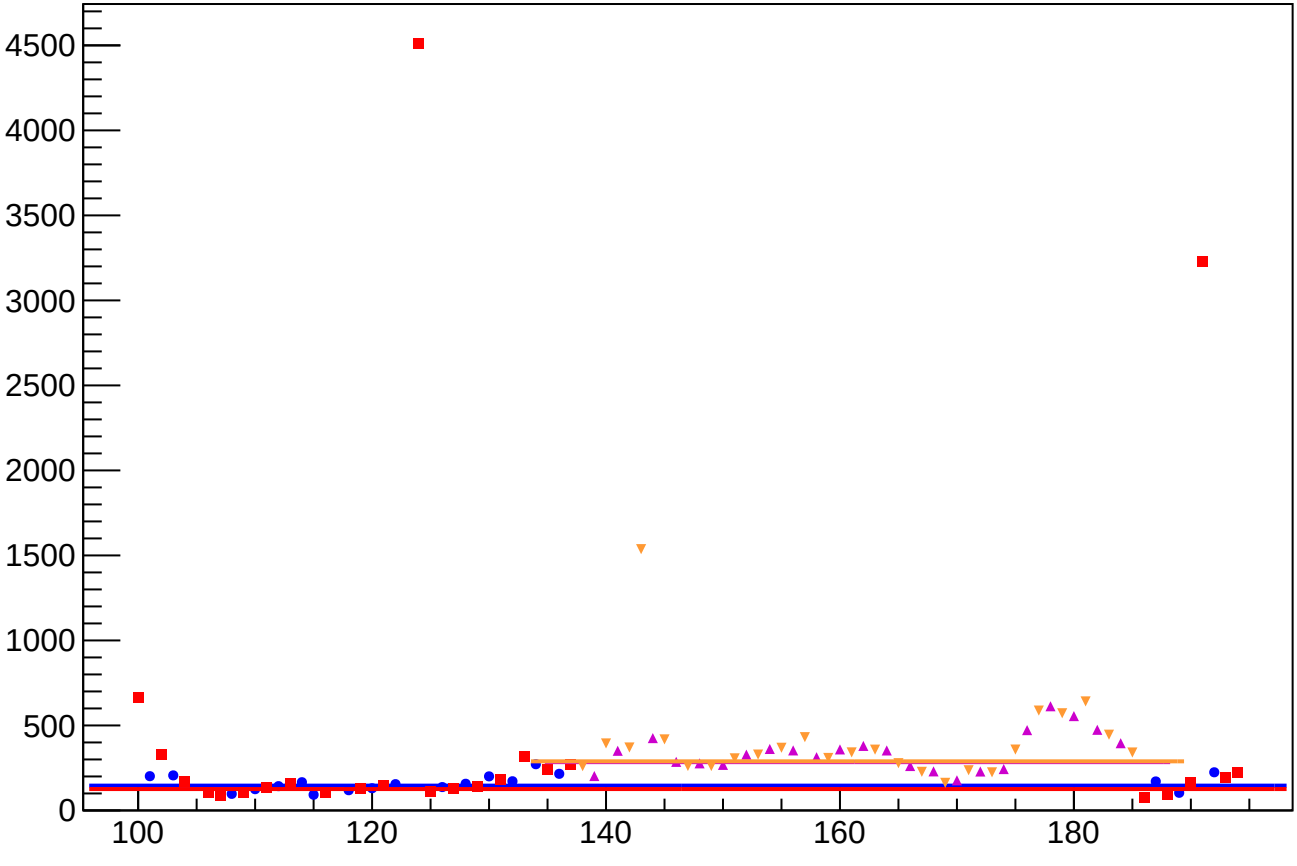
Right: 0.035+/-0.033 χ^2/NDF: 46.4/43

In: 0.079+/-0.042 χ^2/NDF:44.9/41

Out: -0.000+/-0.037 χ^2/NDF:56.4/49

All: 0.034+/-0.028 χ^2/NDF: 103.2/91

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.020+/-0.037 χ^2/NDF: 1386330.7/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 125.883+/-0.030 χ^2/NDF: 3040972.0/24

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

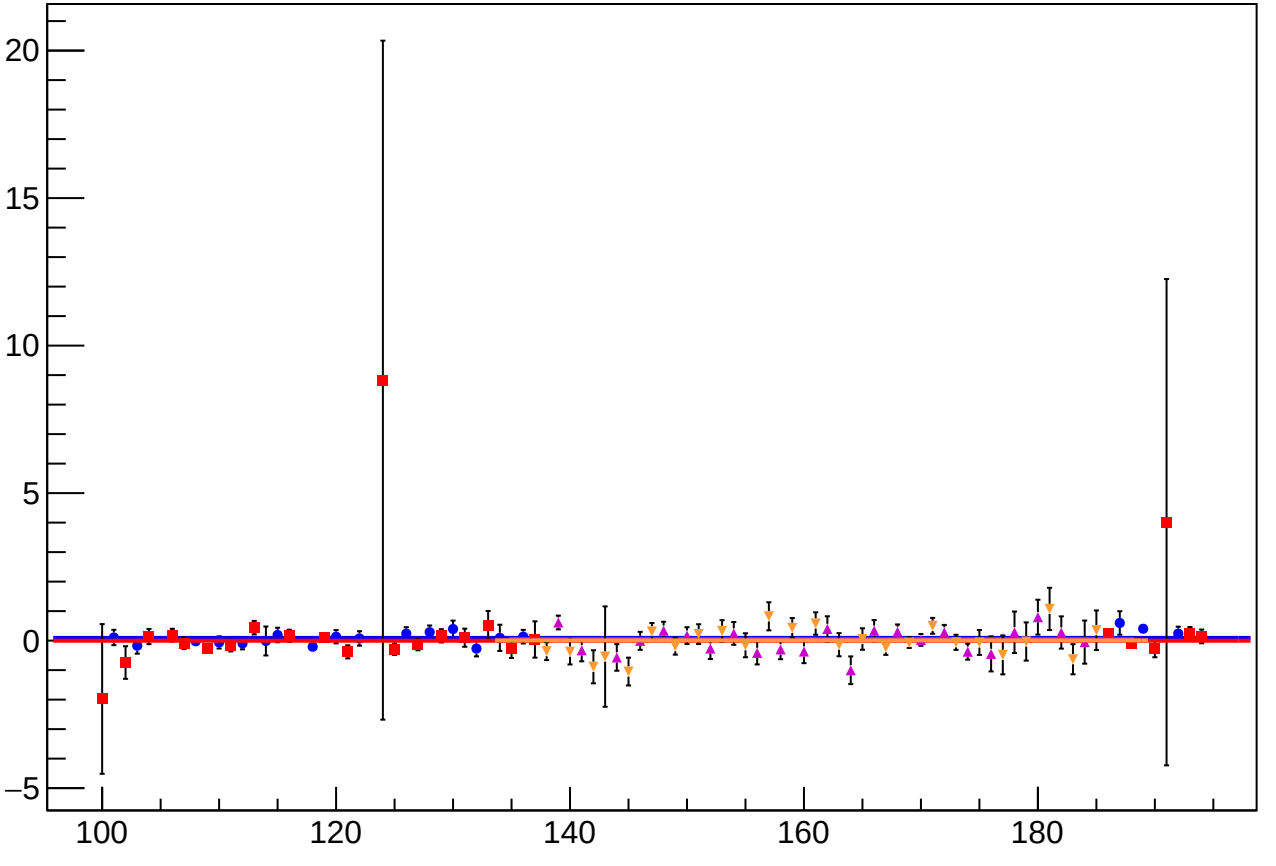
Right: 133.979+/-0.023 χ^2/NDF: 4605932.4/43

In: 194.906+/-0.030 χ^2/NDF:9439576.0/41

Out: 169.208+/-0.026 χ^2/NDF:15429017.4/49

All: 180.339+/-0.019 χ^2/NDF: 25295418.4/91

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

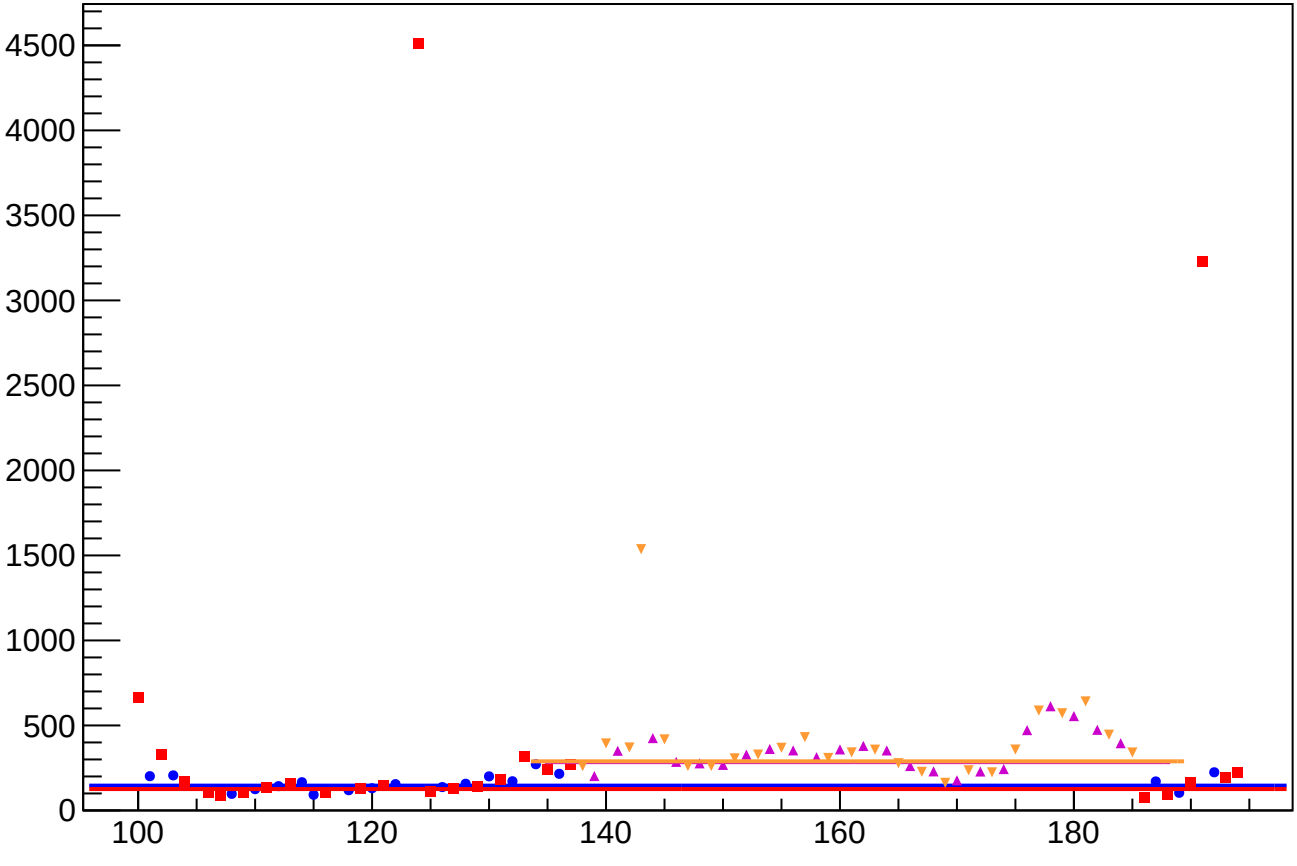
Right: 0.035+/-0.033 χ^2/NDF: 46.4/43

In: 0.079+/-0.042 χ^2/NDF:44.9/41

Out: -0.000+/-0.037 χ^2/NDF:56.4/49

All: 0.034+/-0.028 χ^2/NDF: 103.2/91

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.020+/-0.037 χ^2/NDF: 1386330.7/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 125.883+/-0.030 χ^2/NDF: 3040972.0/24

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

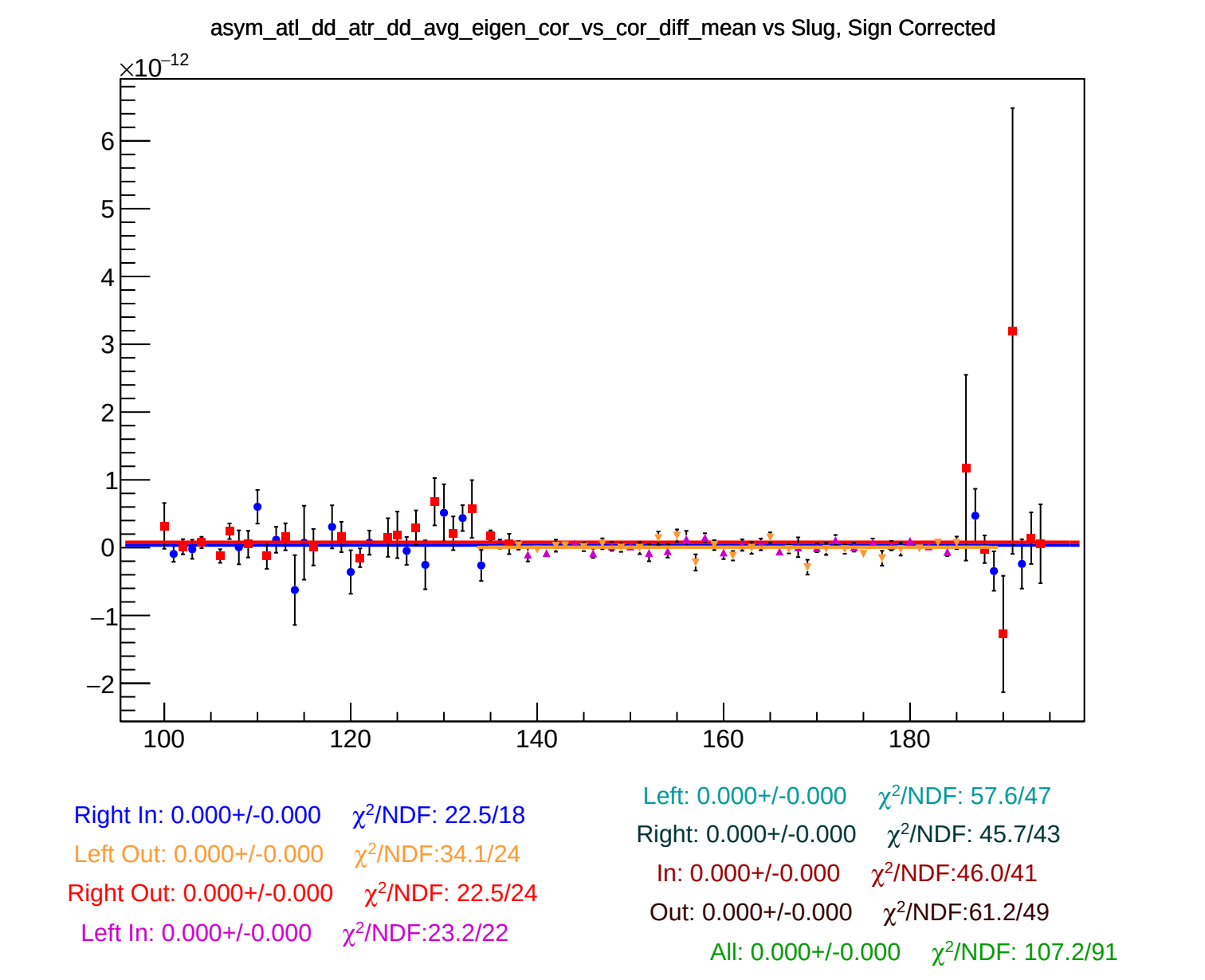
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 133.979+/-0.023 χ^2/NDF: 4605932.4/43

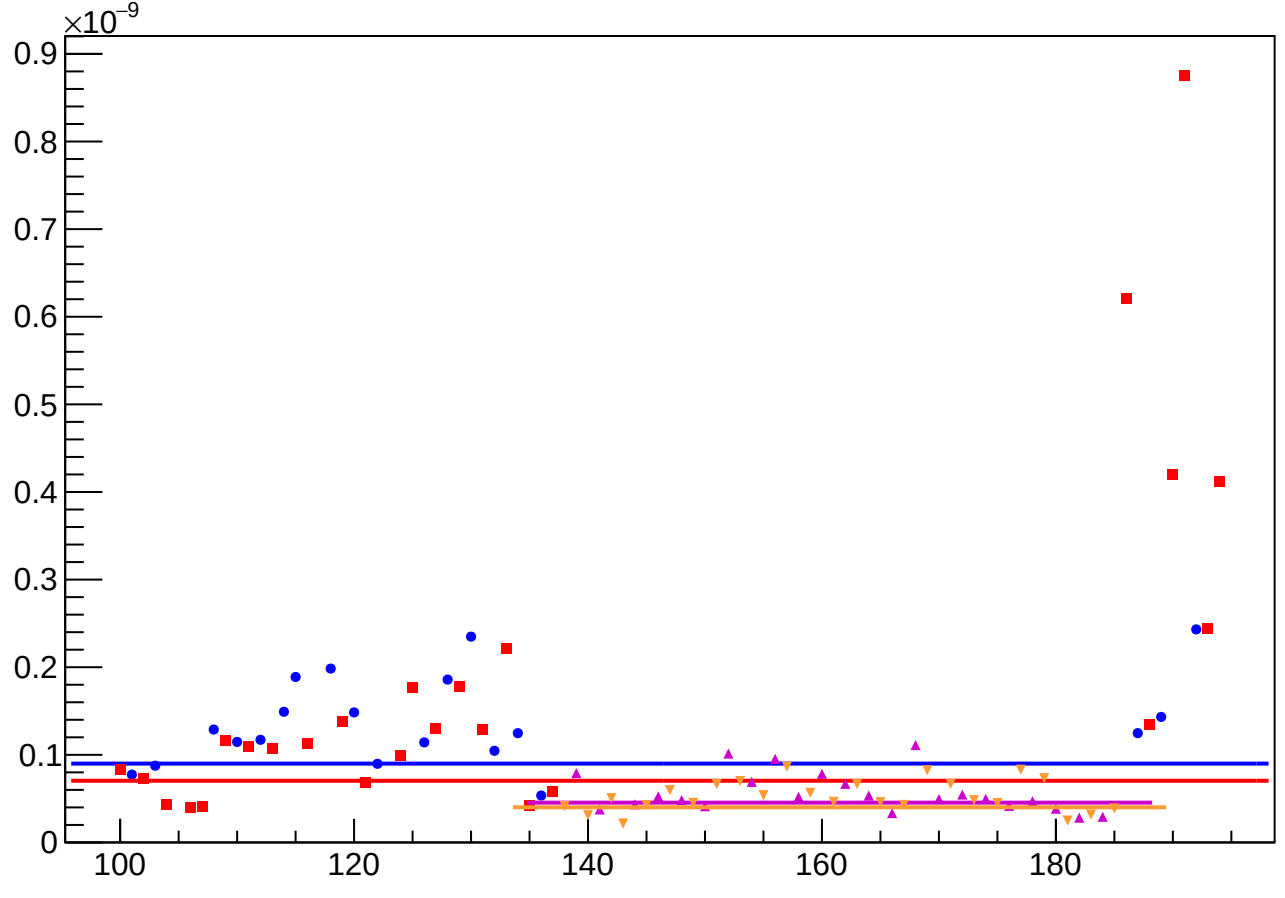
In: 194.906+/-0.030 χ^2/NDF:9439576.0/41

Out: 169.208+/-0.026 χ^2/NDF:15429017.4/49

All: 180.339+/-0.019 χ^2/NDF: 25295418.4/91


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
Right In: 0.000+/-0.000 χ²/NDF: 22.5/18
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.5/24
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: 45.7/43
In: 0.000+/-0.000 χ²/NDF:46.0/41
Out: 0.000+/-0.000 χ²/NDF:61.2/49
All: 0.000+/-0.000 χ²/NDF: 107.2/91

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: 2017506.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4282007.7/24

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

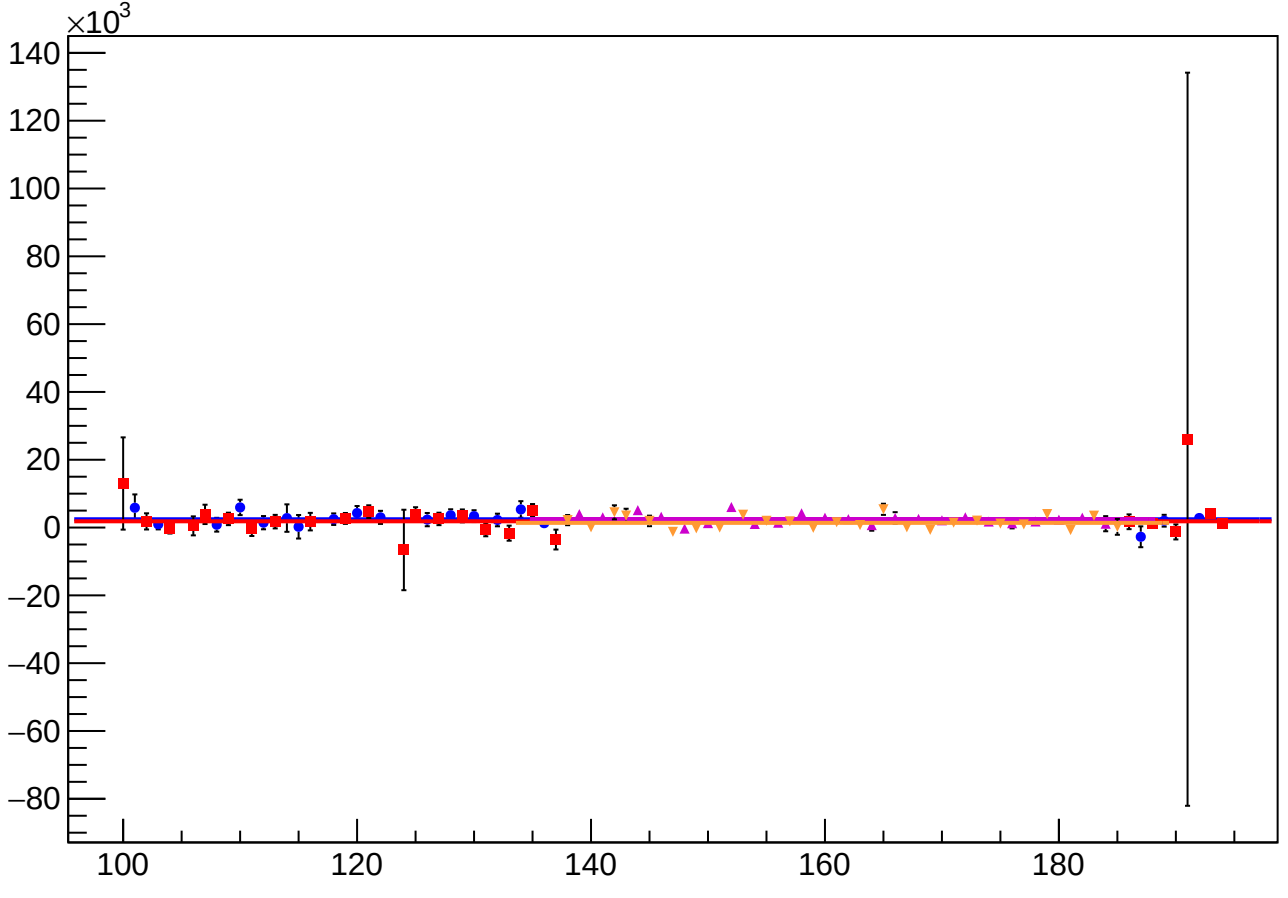
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 6566622.1/43

In: 0.000+/-0.000 χ^2/NDF:6856545.3/41

Out: 0.000+/-0.000 χ^2/NDF:9333664.0/49

All: 0.000+/-0.000 χ^2/NDF: 16432005.0/91



Right In: 2450.221+/-443.465 χ^2/NDF: 12.1/18

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: 1843.212+/-407.598 χ^2/NDF: 24.4/24

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

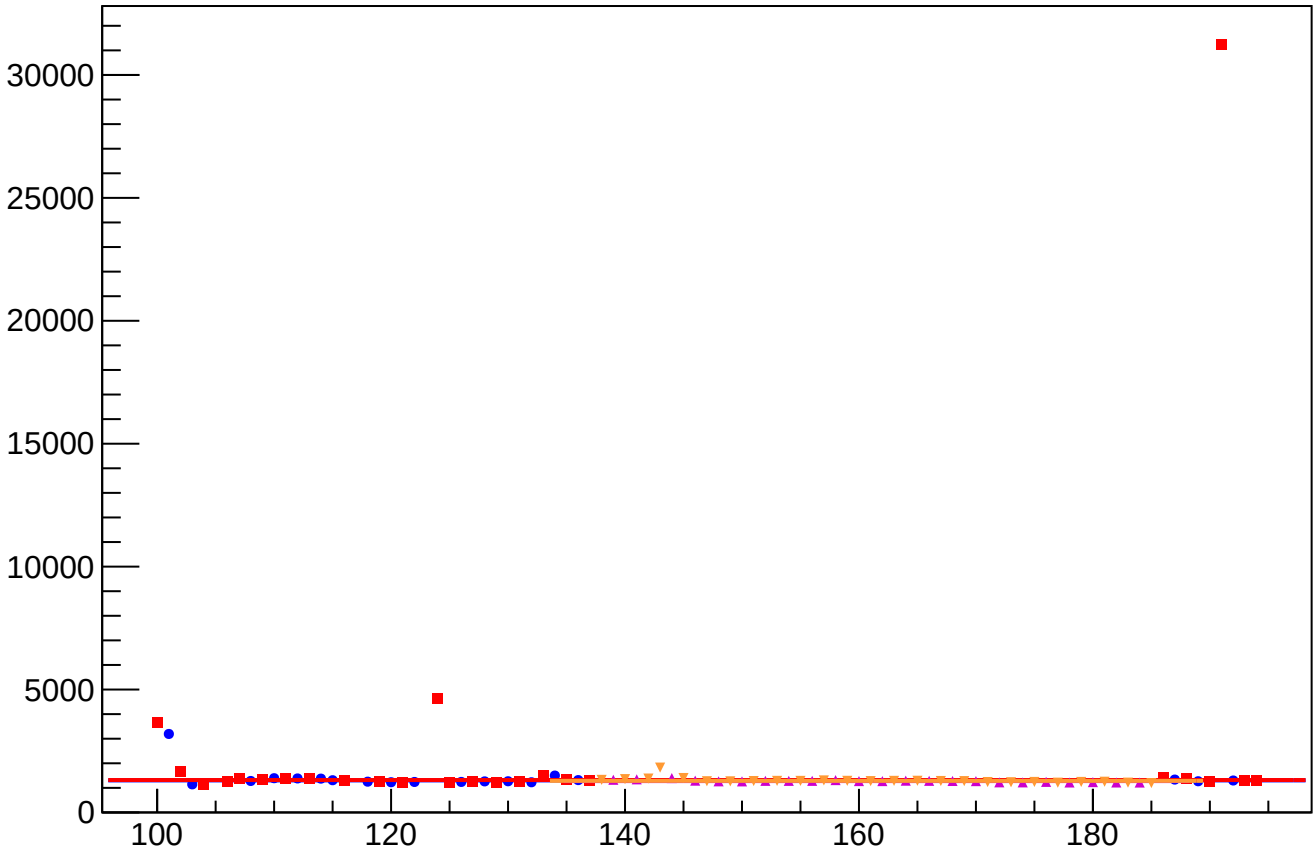
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2121.180+/-300.095 χ^2/NDF: 37.5/43

In: 2497.846+/-247.397 χ^2/NDF:34.5/41

Out: 1539.799+/-237.790 χ^2/NDF:58.2/49

All: 1999.860+/-171.439 χ^2/NDF: 100.5/91



Right In: 1304.450+/-0.314 χ^2/NDF: 517378.3/18

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1319.125+/-0.288 χ^2/NDF: 488350.1/24

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

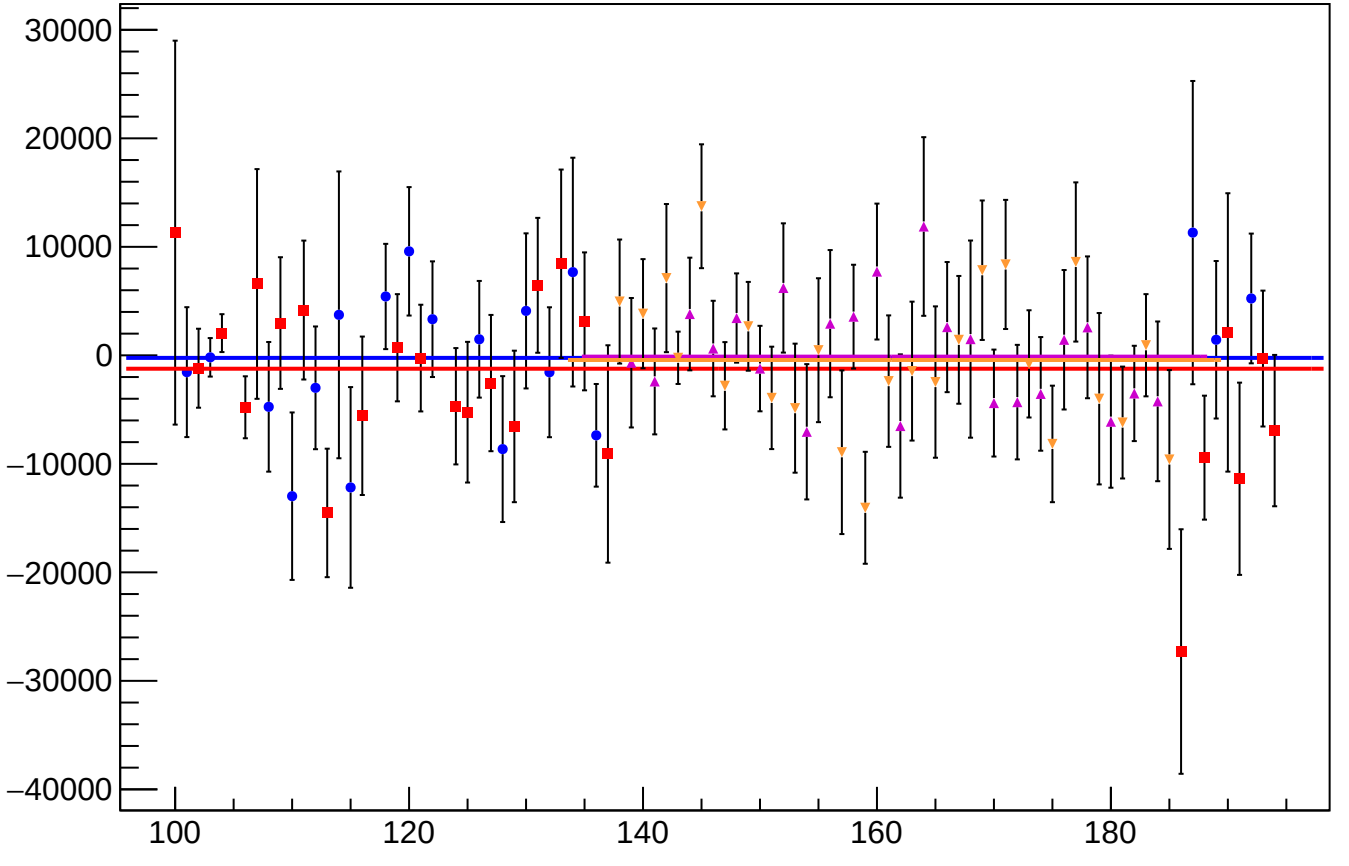
Right: 1312.418+/-0.212 χ^2/NDF: 1006917.7/43

In: 1284.813+/-0.175 χ^2/NDF:564470.5/41

Out: 1297.070+/-0.168 χ^2/NDF:688298.0/49

All: 1291.188+/-0.121 χ^2/NDF: 1255321.8/91

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -234.557+/-1150.978 χ^2/NDF: 16.4/18

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

Right Out: -1233.680+/-999.445 χ^2/NDF: 27.7/24

Left In: -119.335+/-1144.695 χ^2/NDF:13.6/22

Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

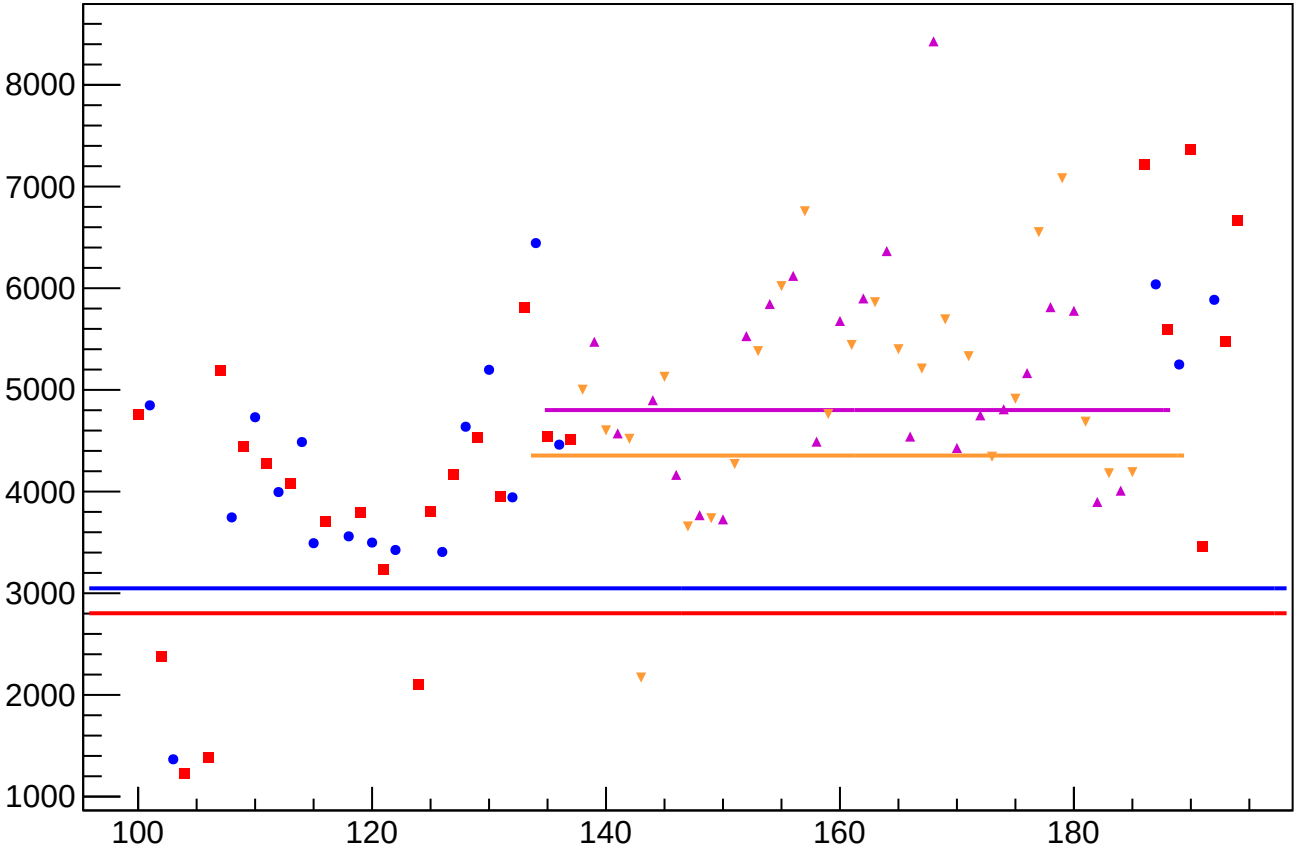
Right: -804.176+/-754.643 χ^2/NDF: 44.5/43

In: -176.631+/-811.634 χ^2/NDF:30.0/41

Out: -846.351+/-719.971 χ^2/NDF:57.8/49

All: -551.429+/-538.601 χ^2/NDF: 88.2/91

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 3048.490+/-0.814 χ^2/NDF: 3683782.4/18

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 2803.201+/-0.707 χ^2/NDF: 5588255.3/24

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

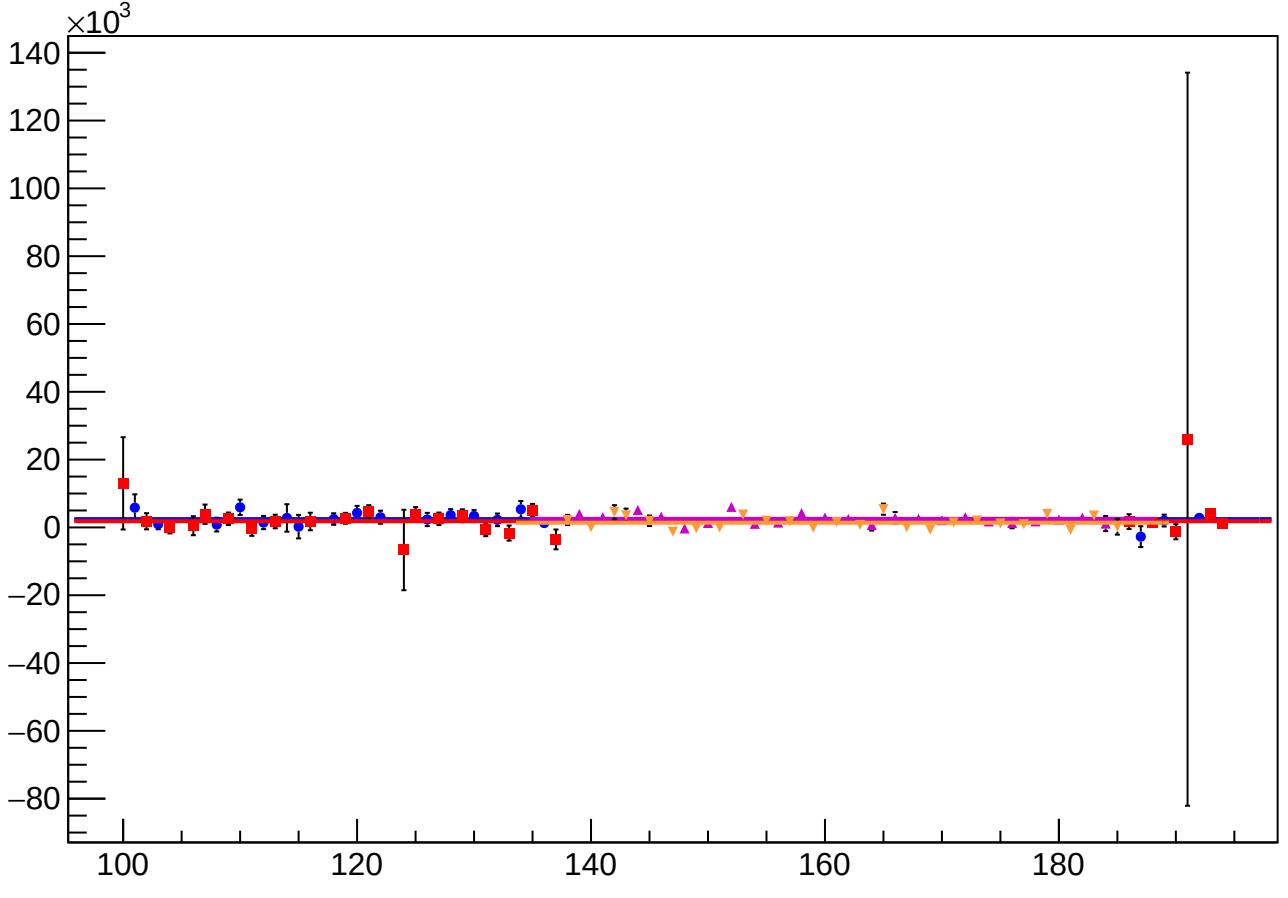
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 2908.647+/-0.534 χ^2/NDF: 9323824.4/43

In: 3929.829+/-0.574 χ^2/NDF:7248271.4/41

Out: 3549.489+/-0.509 χ^2/NDF:10977737.9/49

All: 3716.978+/-0.381 χ^2/NDF: 18471795.7/9



Right In: 2450.023+/-443.465 χ^2/NDF: 12.1/18

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1843.025+/-407.598 χ^2/NDF: 24.4/24

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

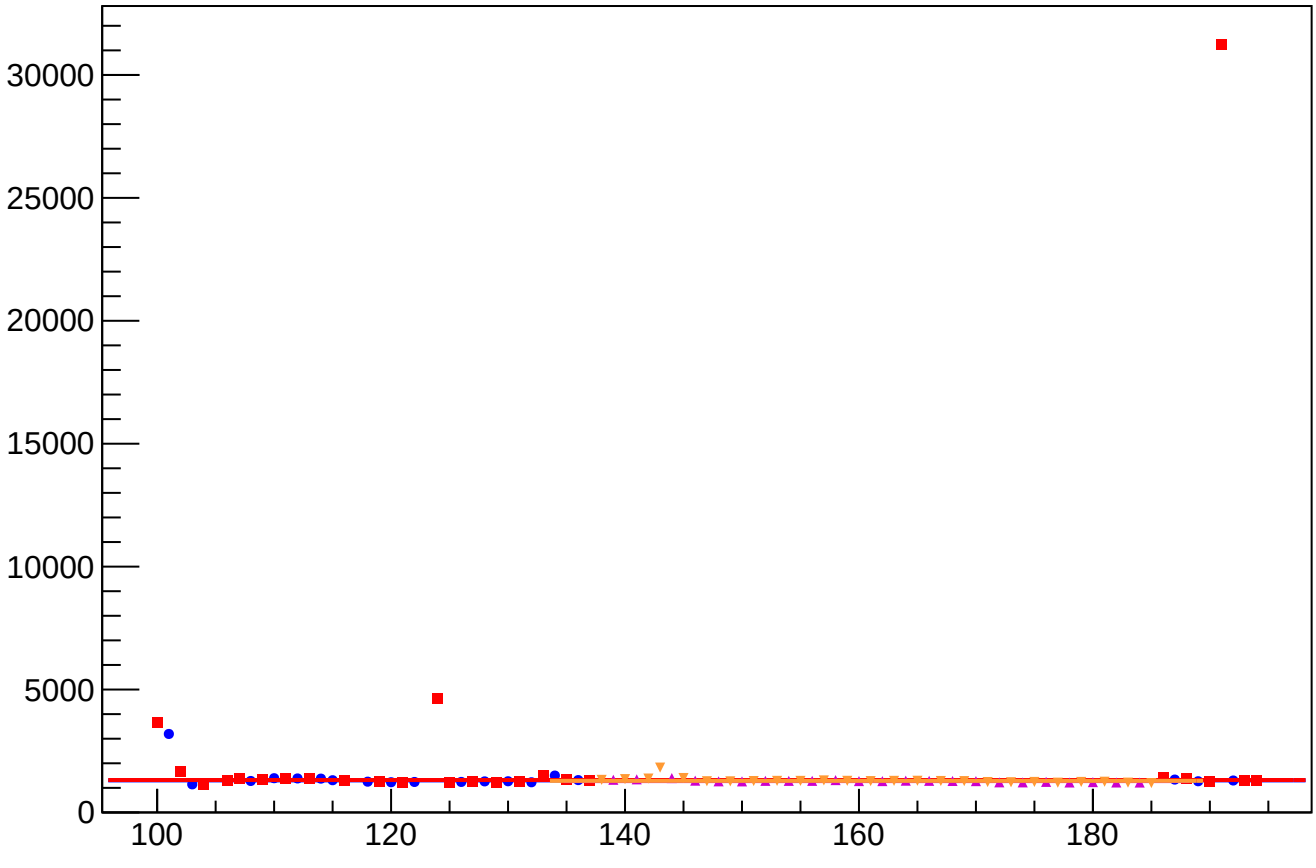
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2120.988+/-300.095 χ^2/NDF: 37.5/43

In: 2497.785+/-247.397 χ^2/NDF:34.5/41

Out: 1539.693+/-237.790 χ^2/NDF:58.2/49

All: 1999.775+/-171.439 χ^2/NDF: 100.5/91



Right In: 1304.449+/-0.314 χ^2/NDF: 517379.9/18

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1319.896+/-0.288 χ^2/NDF: 487802.1/24

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

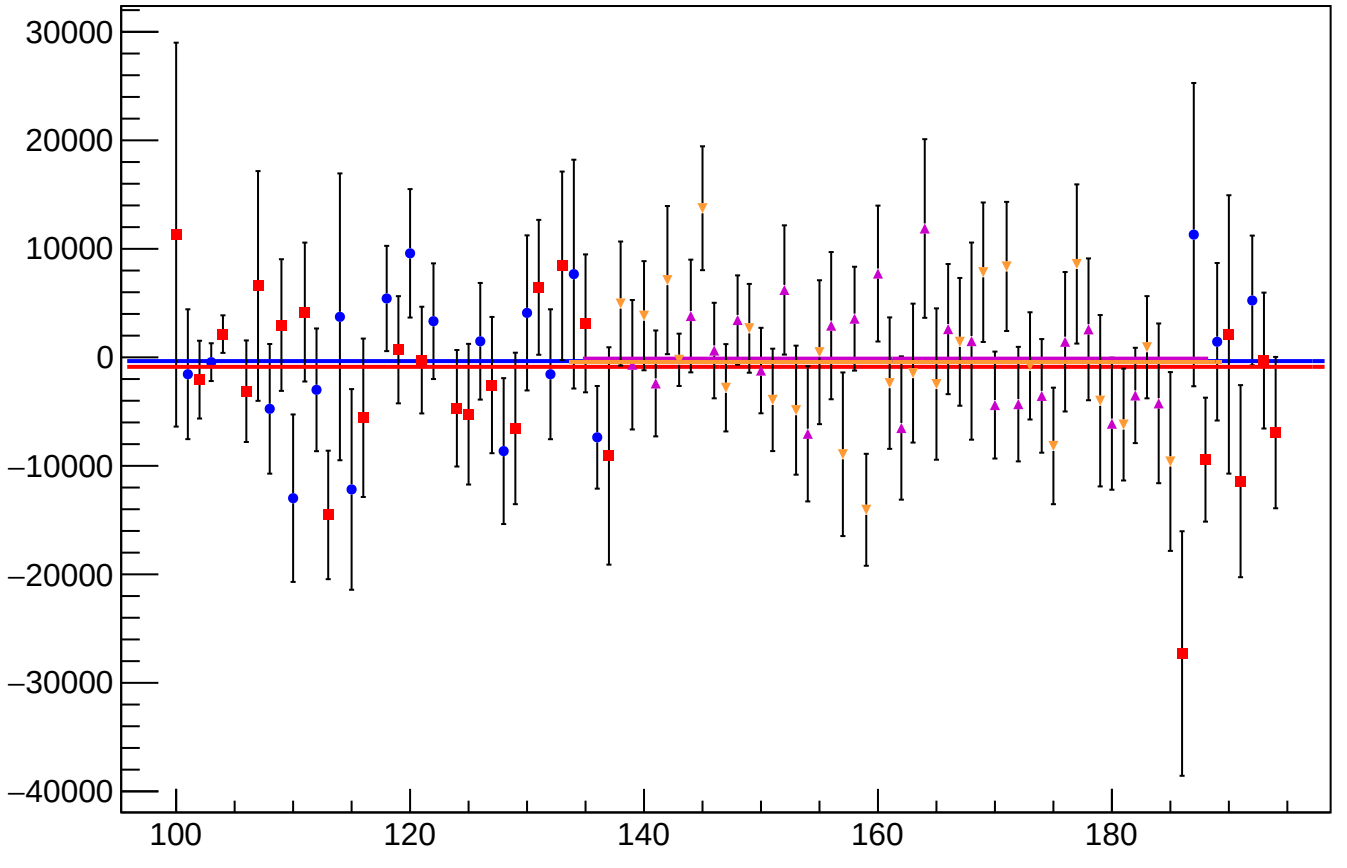
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1312.832+/-0.212 χ^2/NDF: 1006498.8/43

In: 1284.813+/-0.175 χ^2/NDF:564472.0/41

Out: 1297.325+/-0.168 χ^2/NDF:688158.9/49

All: 1291.319+/-0.121 χ^2/NDF: 1255290.9/91



Right In: -345.941+/-1141.601 χ^2/NDF: 16.4/18

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -875.835+/-1035.524 χ^2/NDF: 26.5/24

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

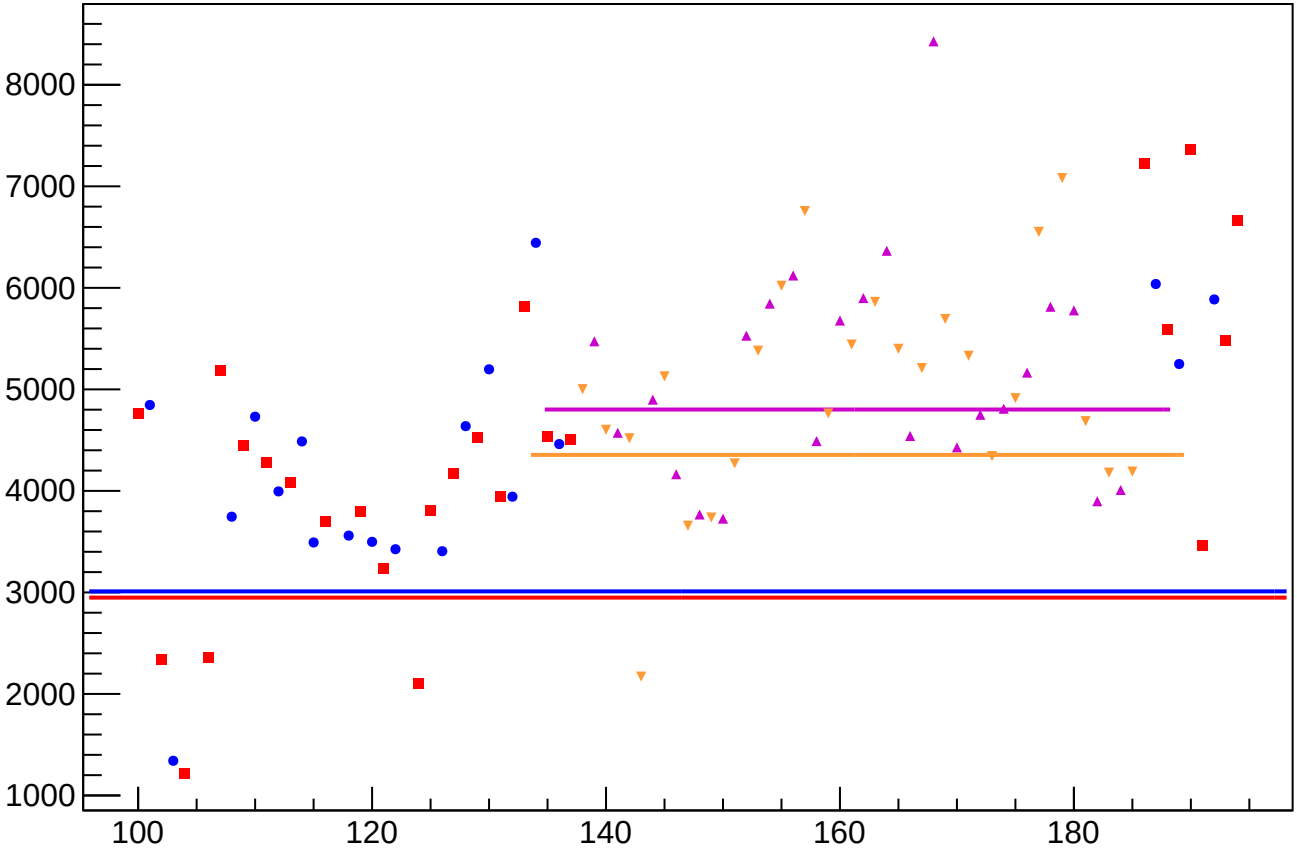
Right: -636.645+/-766.993 χ^2/NDF: 43.0/43

In: -232.931+/-808.325 χ^2/NDF:30.0/41

Out: -652.722+/-733.113 χ^2/NDF:56.4/49

All: -463.261+/-543.037 χ^2/NDF: 86.6/91

asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 3010.369+/-0.807 χ^2/NDF: 3808094.0/18

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 2948.919+/-0.732 χ^2/NDF: 5135636.7/24

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

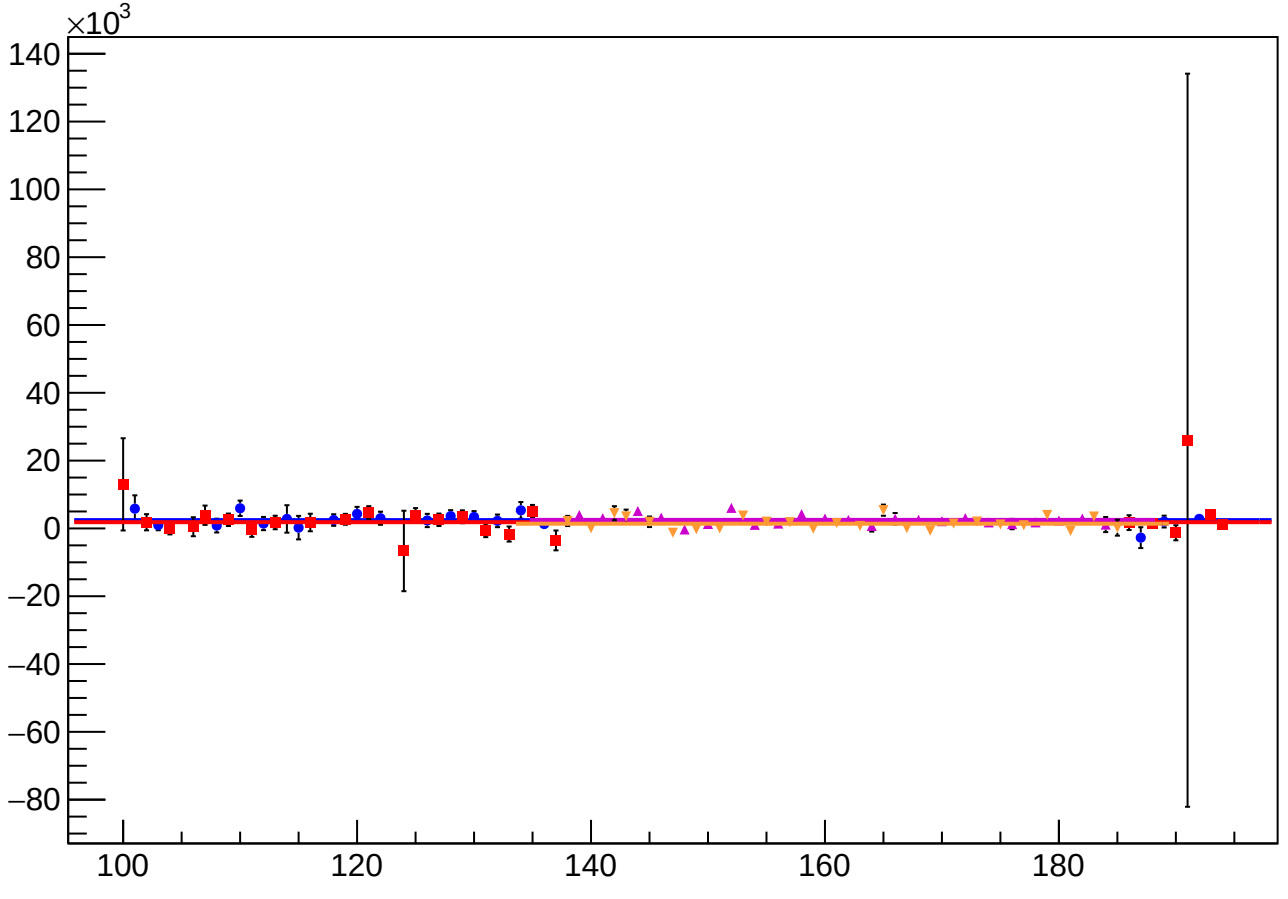
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 2976.657+/-0.542 χ^2/NDF: 8946909.8/43

In: 3903.546+/-0.572 χ^2/NDF:7495166.3/41

Out: 3650.012+/-0.518 χ^2/NDF:10045161.4/49

All: 3764.438+/-0.384 χ^2/NDF: 17648283.4/9



Right In: 2450.023+/-443.465 χ^2/NDF: 12.1/18

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1843.025+/-407.598 χ^2/NDF: 24.4/24

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

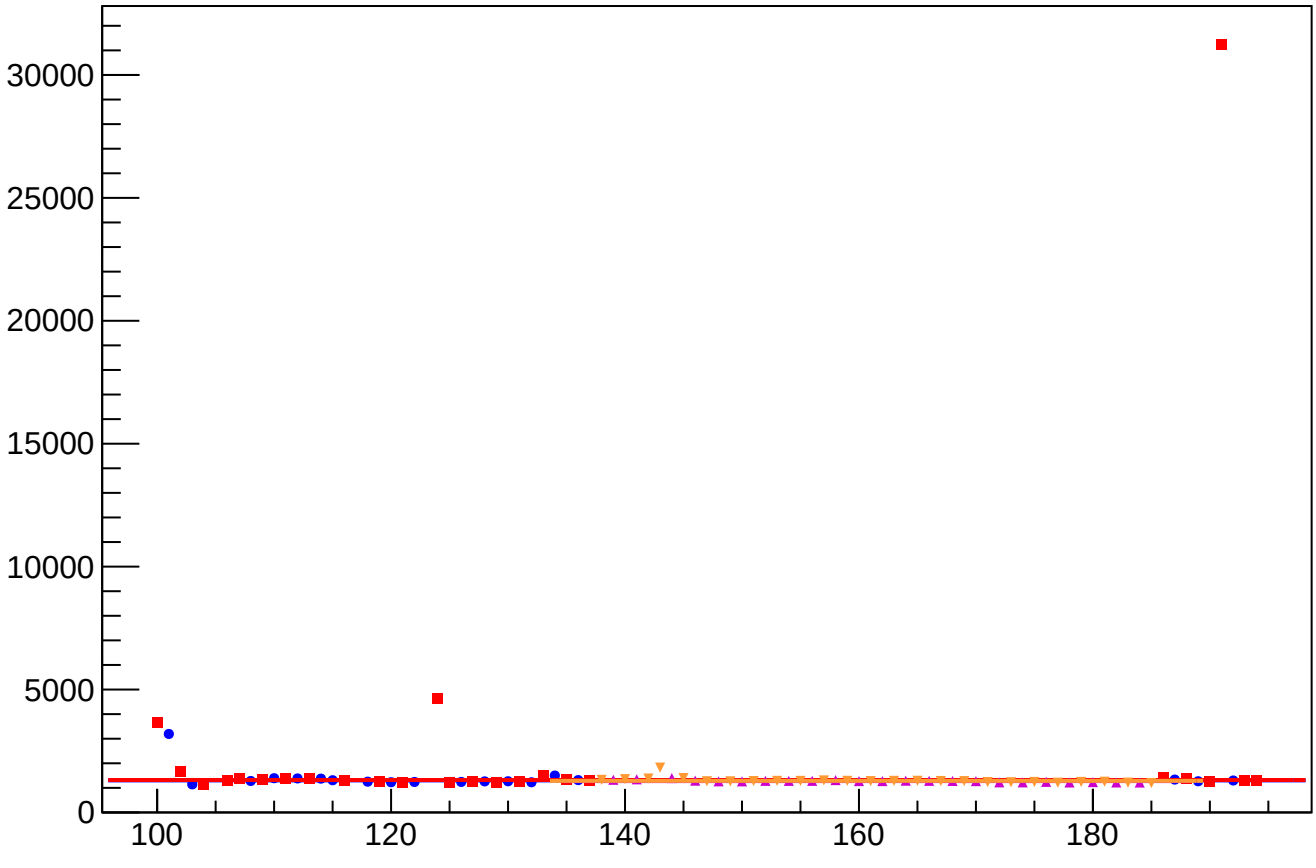
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2120.988+/-300.095 χ^2/NDF: 37.5/43

In: 2497.785+/-247.397 χ^2/NDF:34.5/41

Out: 1539.693+/-237.790 χ^2/NDF:58.2/49

All: 1999.775+/-171.439 χ^2/NDF: 100.5/91



Right In: 1304.449+/-0.314 χ^2/NDF: 517379.9/18

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1319.896+/-0.288 χ^2/NDF: 487802.1/24

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

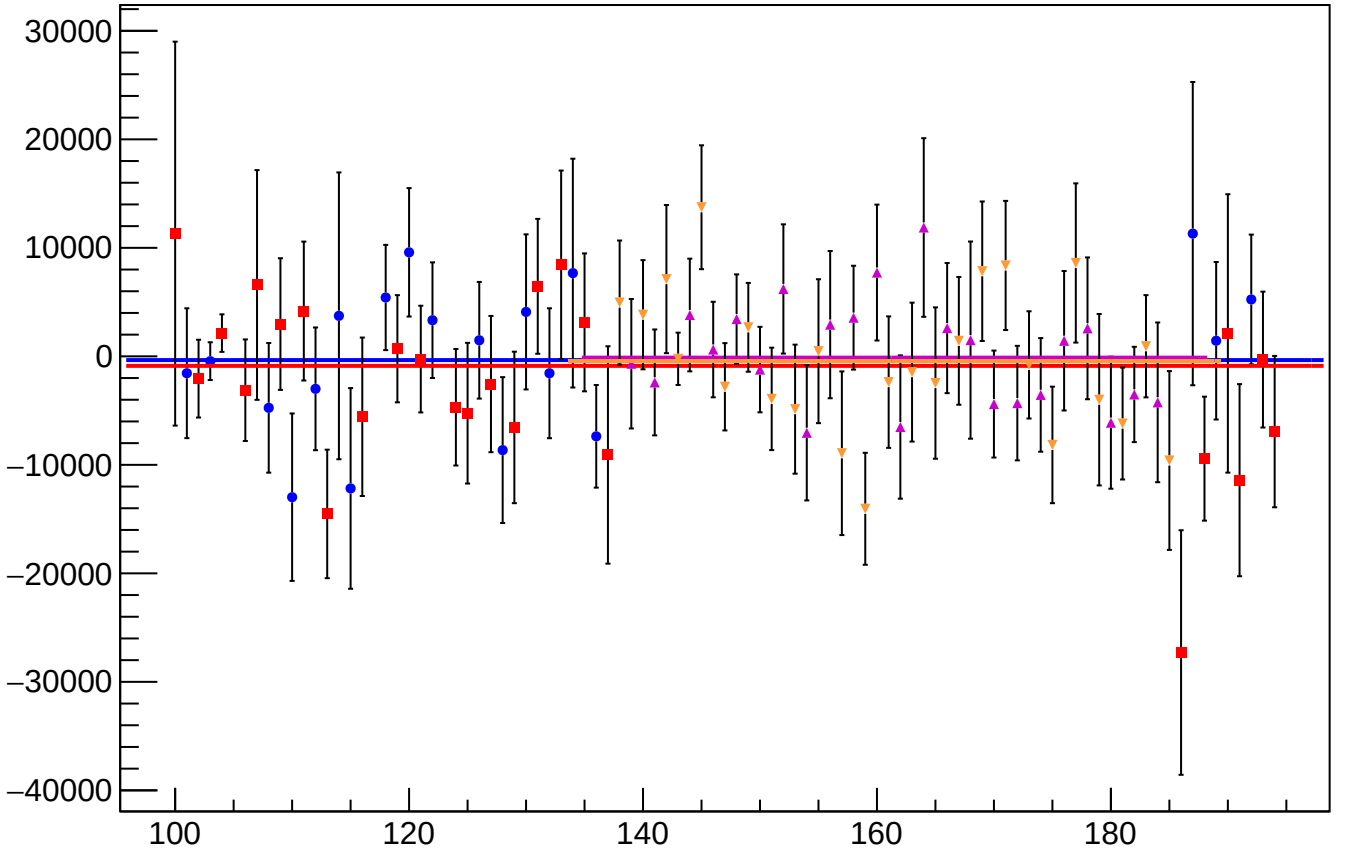
Right: 1312.832+/-0.212 χ^2/NDF: 1006498.8/43

In: 1284.813+/-0.175 χ^2/NDF:564472.0/41

Out: 1297.325+/-0.168 χ^2/NDF:688158.9/49

All: 1291.319+/-0.121 χ^2/NDF: 1255290.9/91

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -345.941+/-1141.601 χ^2/NDF: 16.4/18

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -875.835+/-1035.524 χ^2/NDF: 26.5/24

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

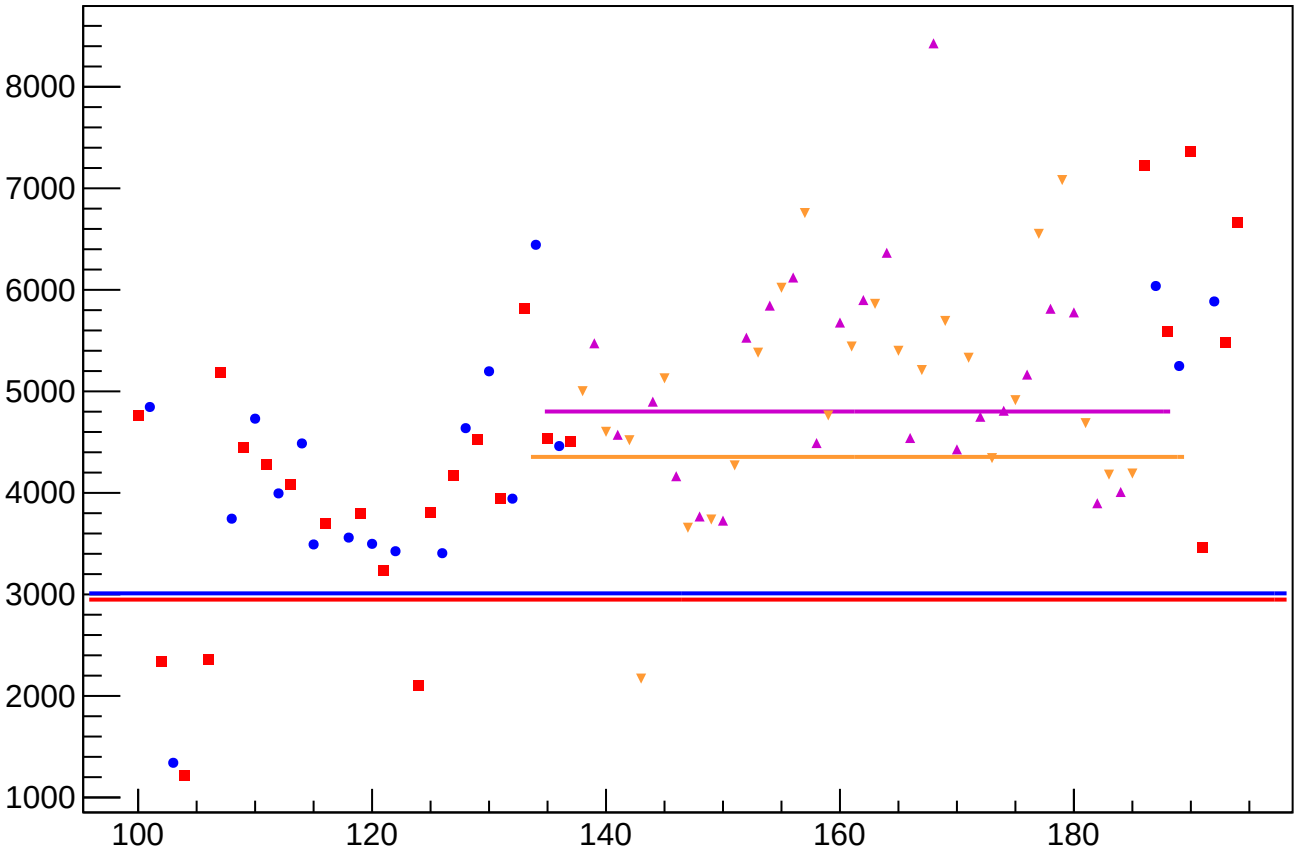
Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

Right: -636.645+/-766.993 χ^2/NDF: 43.0/43

In: -232.931+/-808.325 χ^2/NDF:30.0/41

Out: -652.722+/-733.113 χ^2/NDF:56.4/49

All: -463.261+/-543.037 χ^2/NDF: 86.6/91



Right In: 3010.369+/-0.807 χ^2/NDF: 3808094.0/18

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 2948.919+/-0.732 χ^2/NDF: 5135636.7/24

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

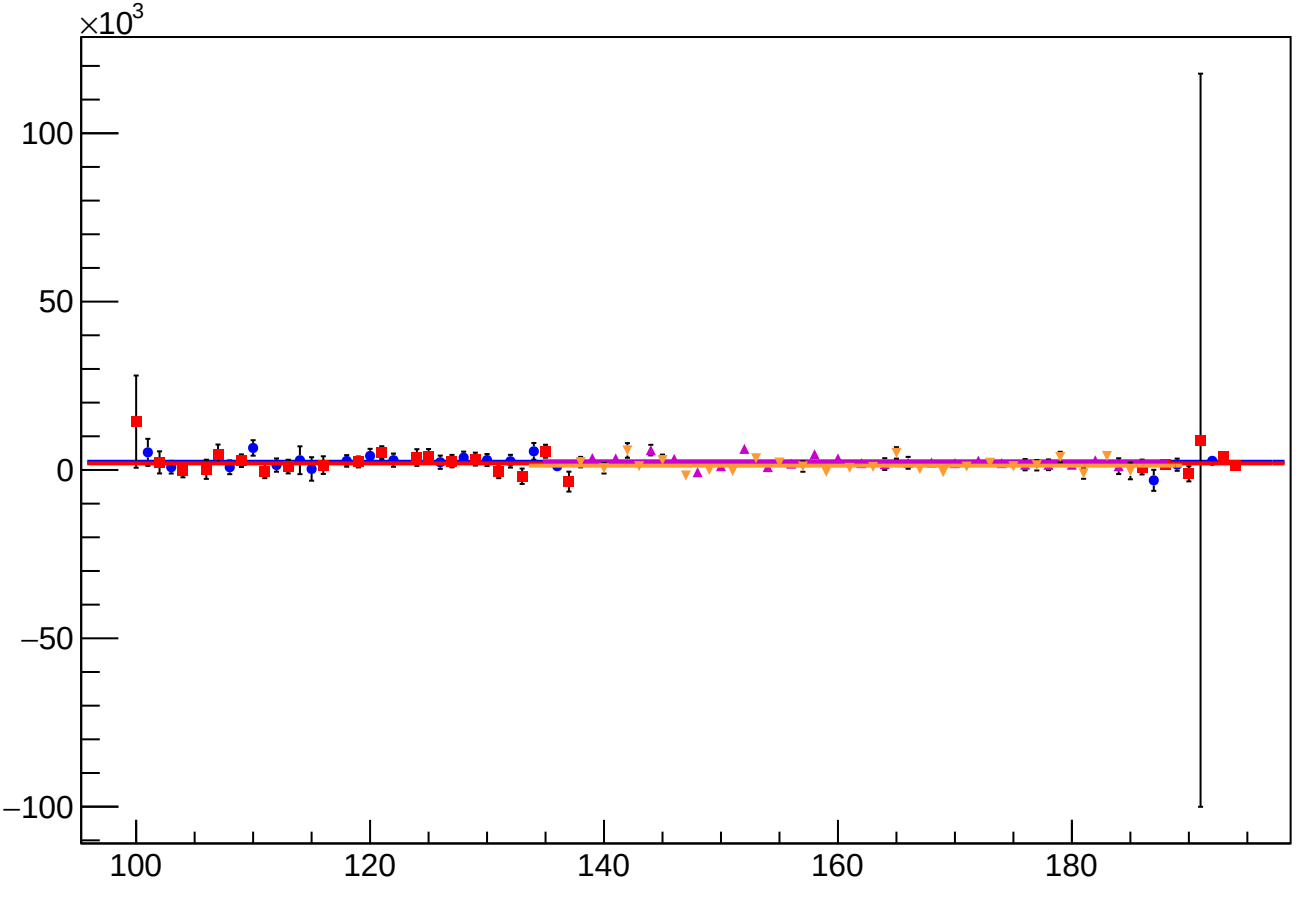
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 2976.657+/-0.542 χ^2/NDF: 8946909.8/43

In: 3903.546+/-0.572 χ^2/NDF:7495166.3/41

Out: 3650.012+/-0.518 χ^2/NDF:10045161.4/49

All: 3764.438+/-0.384 χ^2/NDF: 17648283.4/9



Right In: 2440.814+/-457.435 χ^2/NDF: 12.8/18

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: 1958.674+/-414.965 χ^2/NDF: 25.5/24

Left In: 2531.791+/-312.886 χ^2/NDF:25.0/22

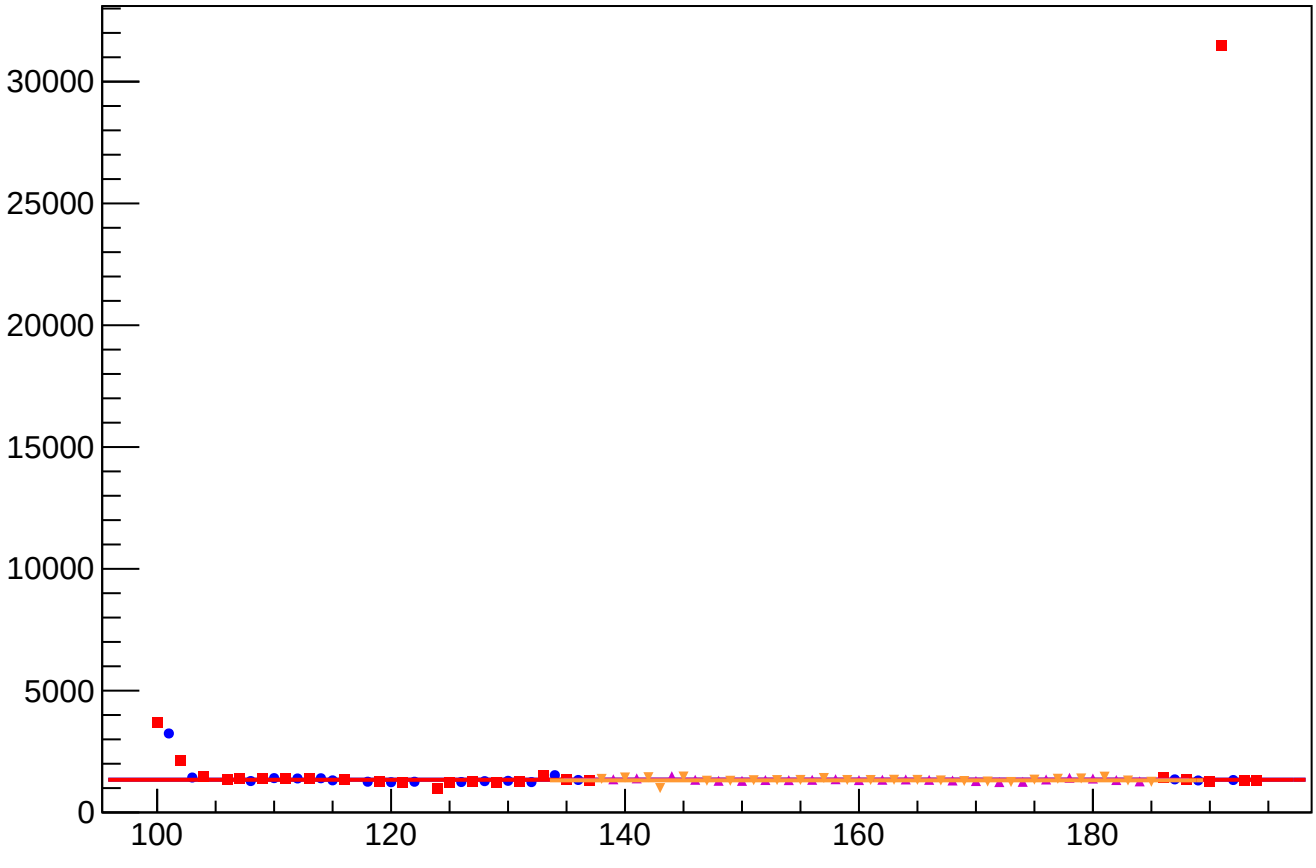
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2176.328+/-307.345 χ^2/NDF: 38.9/43

In: 2502.793+/-258.253 χ^2/NDF:37.9/41

Out: 1516.398+/-243.401 χ^2/NDF:60.6/49

All: 1980.419+/-177.128 χ^2/NDF: 106.2/91



Right In: 1346.000+/-0.323 χ^2/NDF: 495102.9/18

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

Right Out: 1341.289+/-0.293 χ^2/NDF: 433226.9/24

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

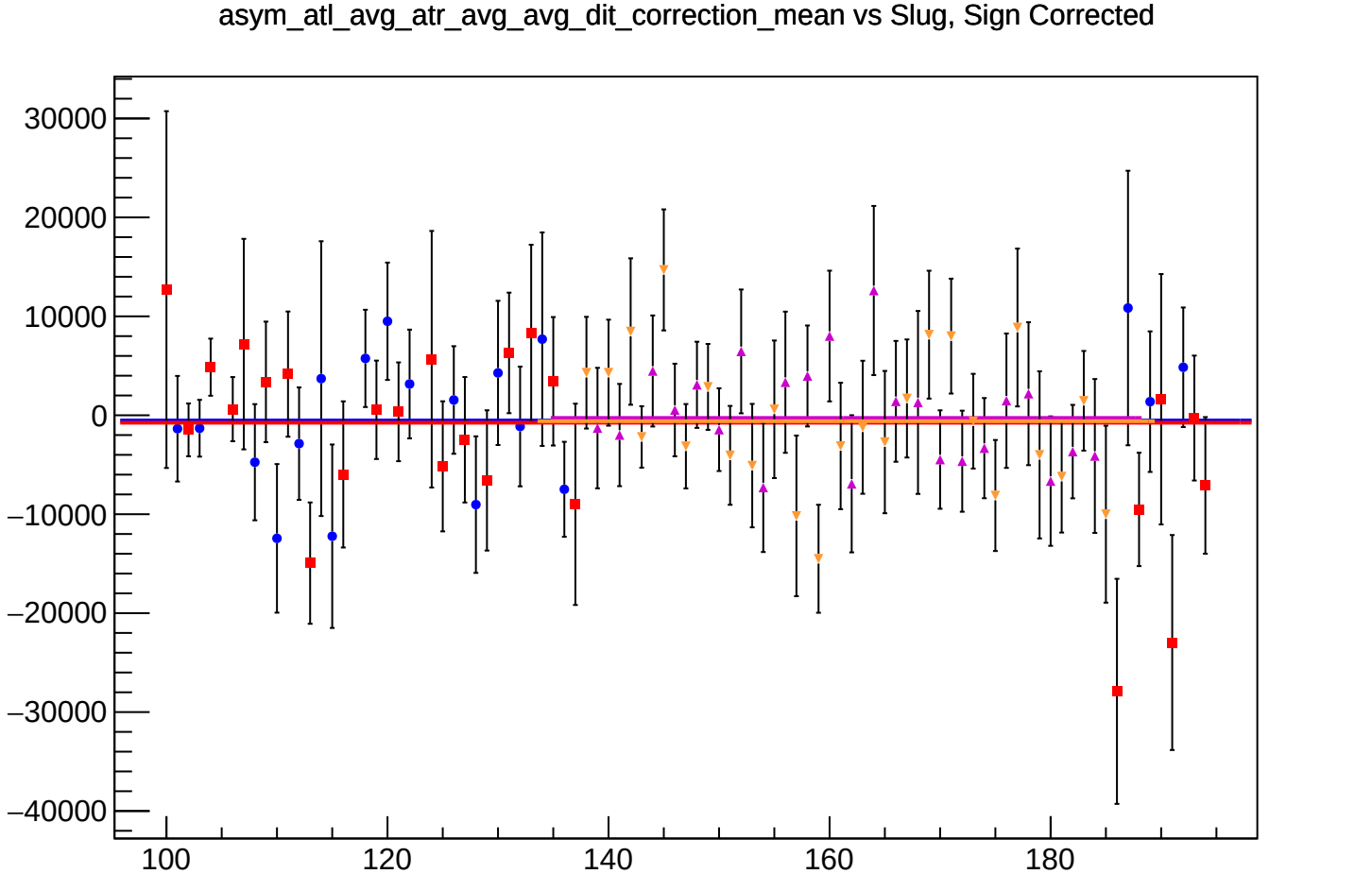
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

Right: 1343.415+/-0.217 χ^2/NDF: 928446.2/43

In: 1340.960+/-0.183 χ^2/NDF:549707.7/41

Out: 1326.131+/-0.172 χ^2/NDF:685847.6/49

All: 1333.106+/-0.125 χ^2/NDF: 1239047.8/91



Right In: -525.547+/-1337.071 χ^2/NDF: 16.2/18

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

Right Out: -750.890+/-1124.701 χ^2/NDF: 30.2/24

Left In: -272.915+/-1196.804 χ^2/NDF:13.4/22

Left: -444.251+/-818.653 χ^2/NDF: 43.0/47

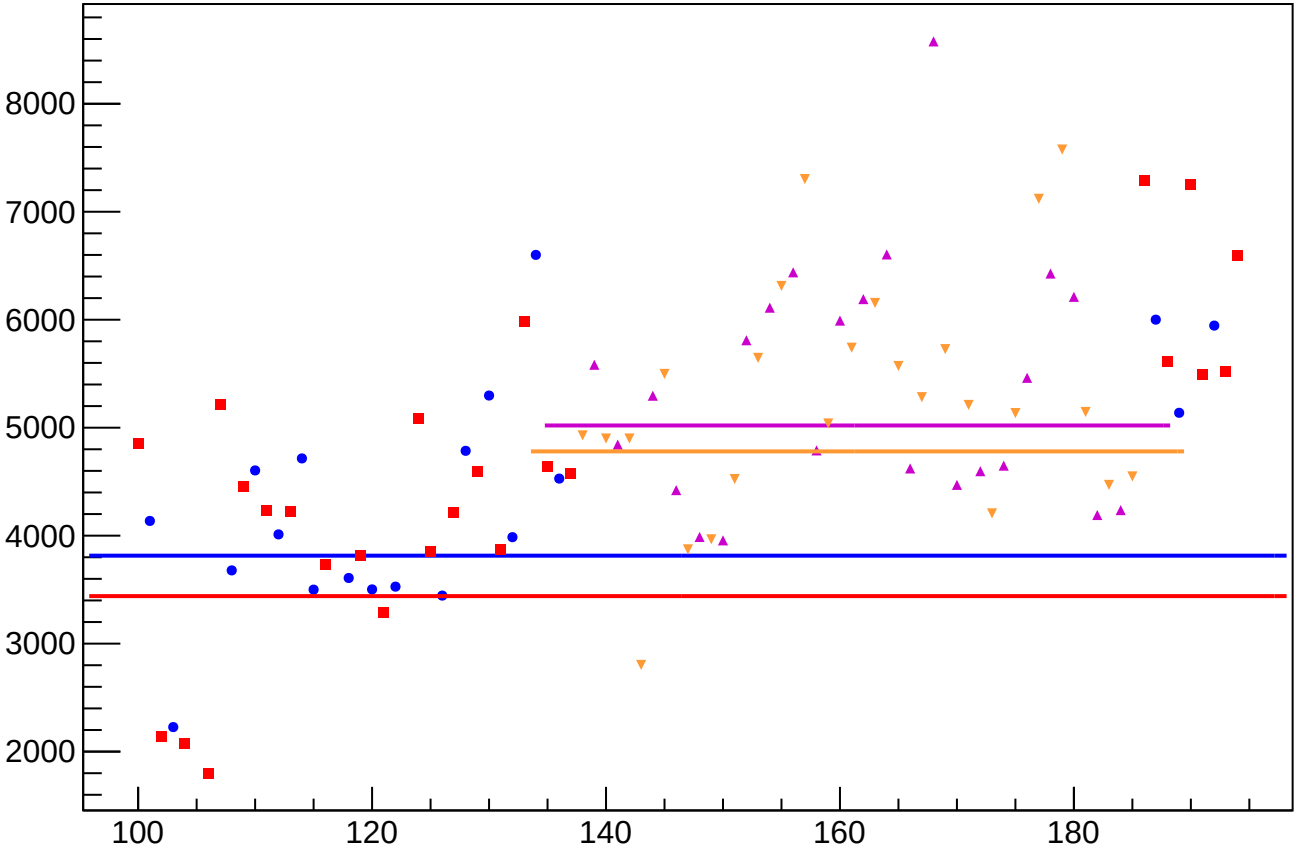
Right: -657.514+/-860.694 χ^2/NDF: 46.4/43

In: -385.289+/-891.750 χ^2/NDF:29.7/41

Out: -672.735+/-794.429 χ^2/NDF:59.7/49

All: -545.547+/-593.181 χ^2/NDF: 89.4/91

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 3814.713+/-0.945 χ^2/NDF: 1348890.3/18

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 3440.097+/-0.795 χ^2/NDF: 3433065.6/24

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

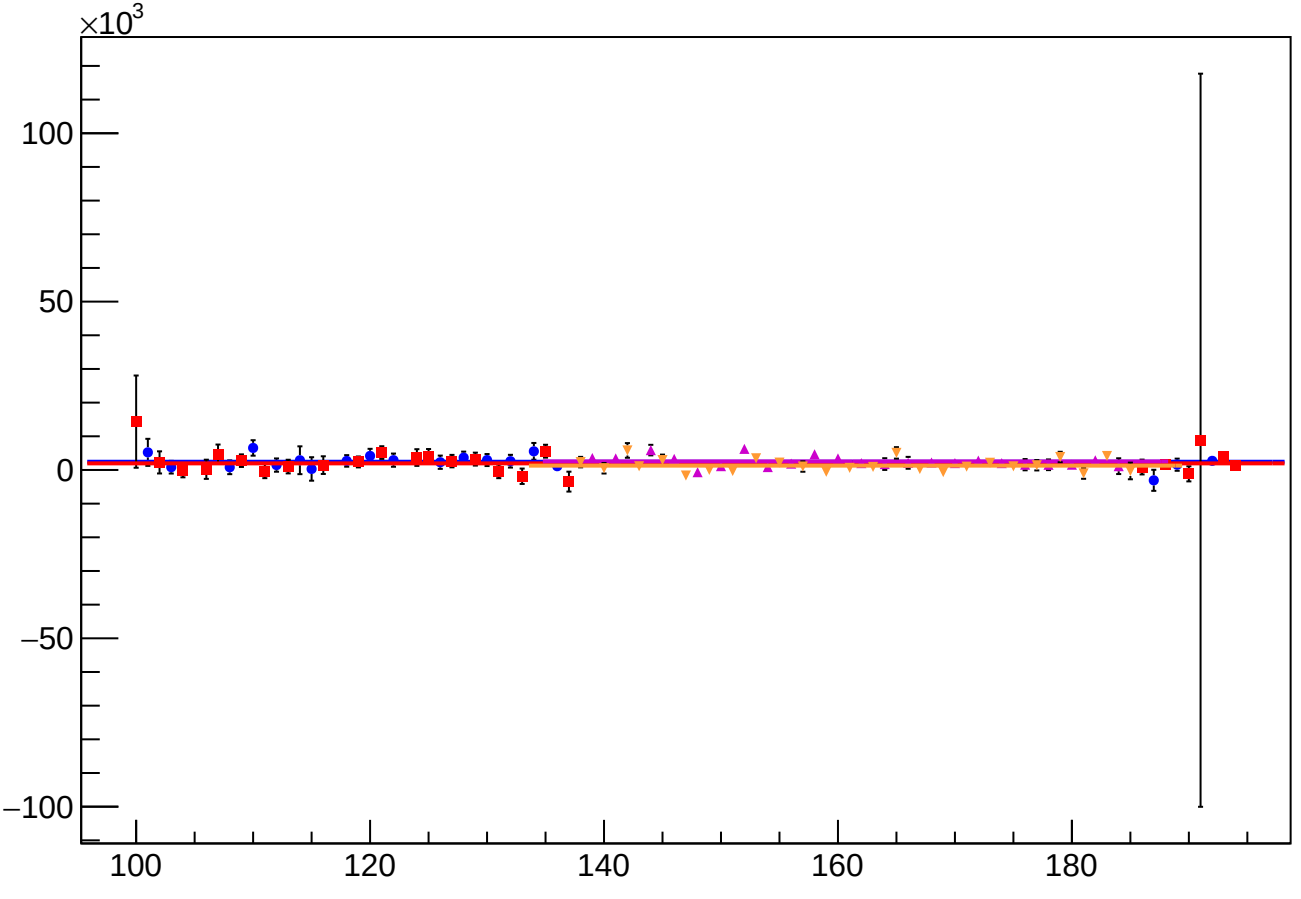
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 3595.327+/-0.609 χ^2/NDF: 4873898.6/43

In: 4484.184+/-0.631 χ^2/NDF:3477101.6/41

Out: 4111.686+/-0.562 χ^2/NDF:6862496.6/49

All: 4276.507+/-0.419 χ^2/NDF: 10534159.0/9



Right In: 2440.815+/-457.435 χ^2/NDF: 12.8/18

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: 1958.674+/-414.965 χ^2/NDF: 25.5/24

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

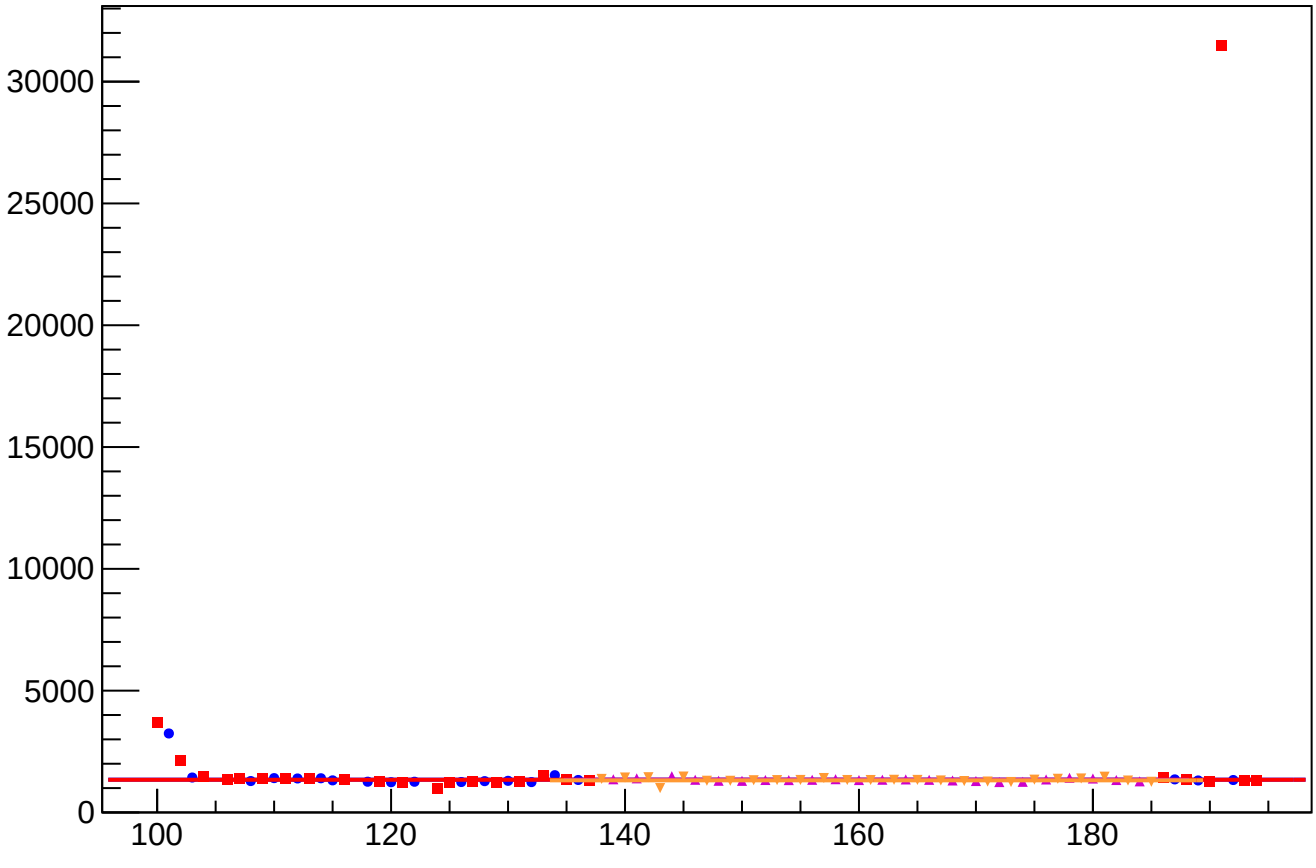
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2176.329+/-307.345 χ^2/NDF: 38.9/43

In: 2502.794+/-258.253 χ^2/NDF:37.9/41

Out: 1516.396+/-243.401 χ^2/NDF:60.6/49

All: 1980.418+/-177.128 χ^2/NDF: 106.2/91



Right In: 1346.000+/-0.323 χ^2/NDF: 495103.1/18

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

Right Out: 1341.289+/-0.293 χ^2/NDF: 433225.8/24

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

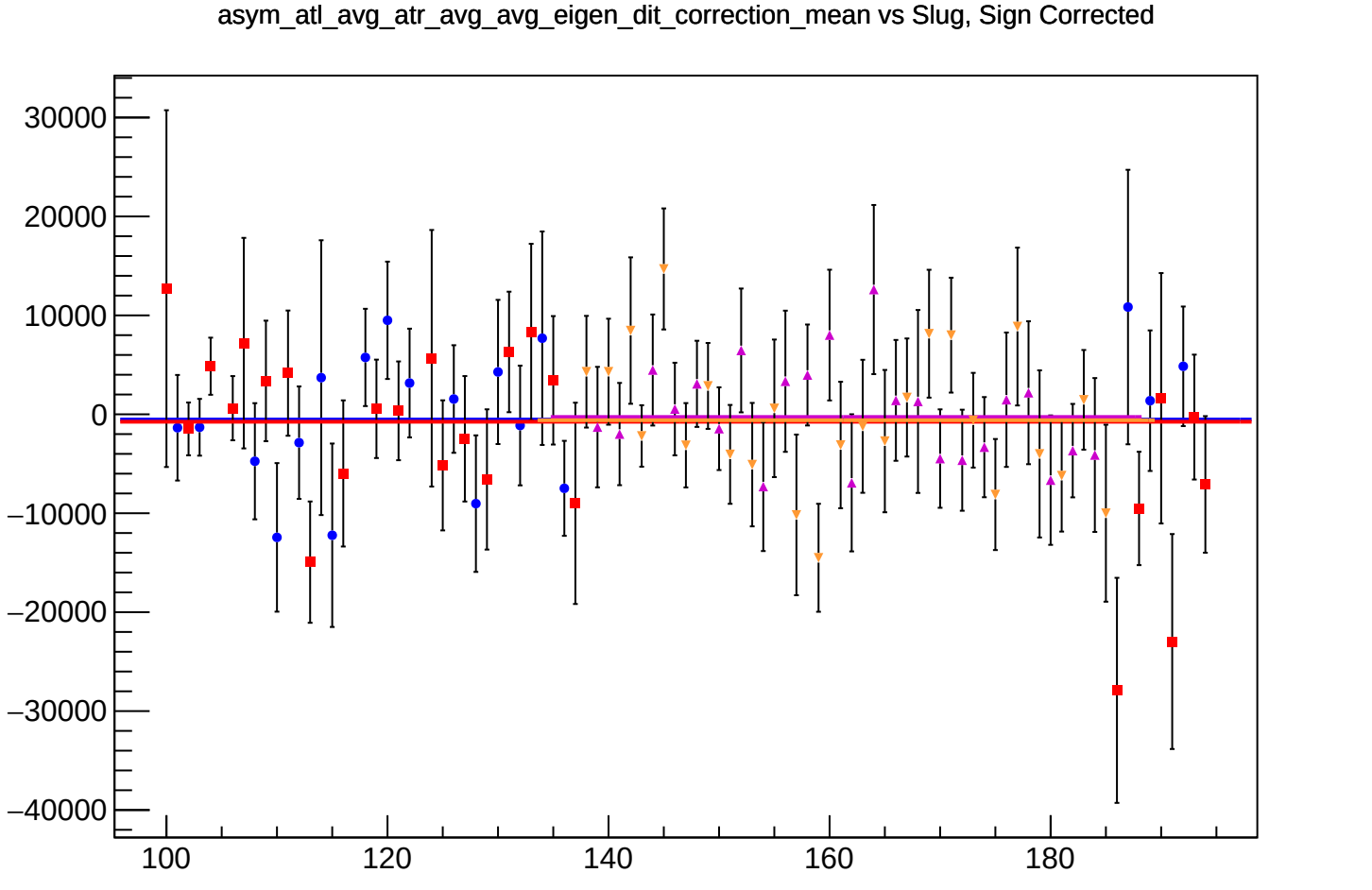
Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

Right: 1343.415+/-0.217 χ^2/NDF: 928445.2/43

In: 1340.961+/-0.183 χ^2/NDF:549710.2/41

Out: 1326.132+/-0.172 χ^2/NDF:685848.4/49

All: 1333.107+/-0.125 χ^2/NDF: 1239051.2/91



Right In: -525.541+/-1337.068 χ^2/NDF: 16.2/18

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

Right Out: -750.883+/-1124.698 χ^2/NDF: 30.2/24

Left In: -272.917+/-1196.806 χ^2/NDF:13.4/22

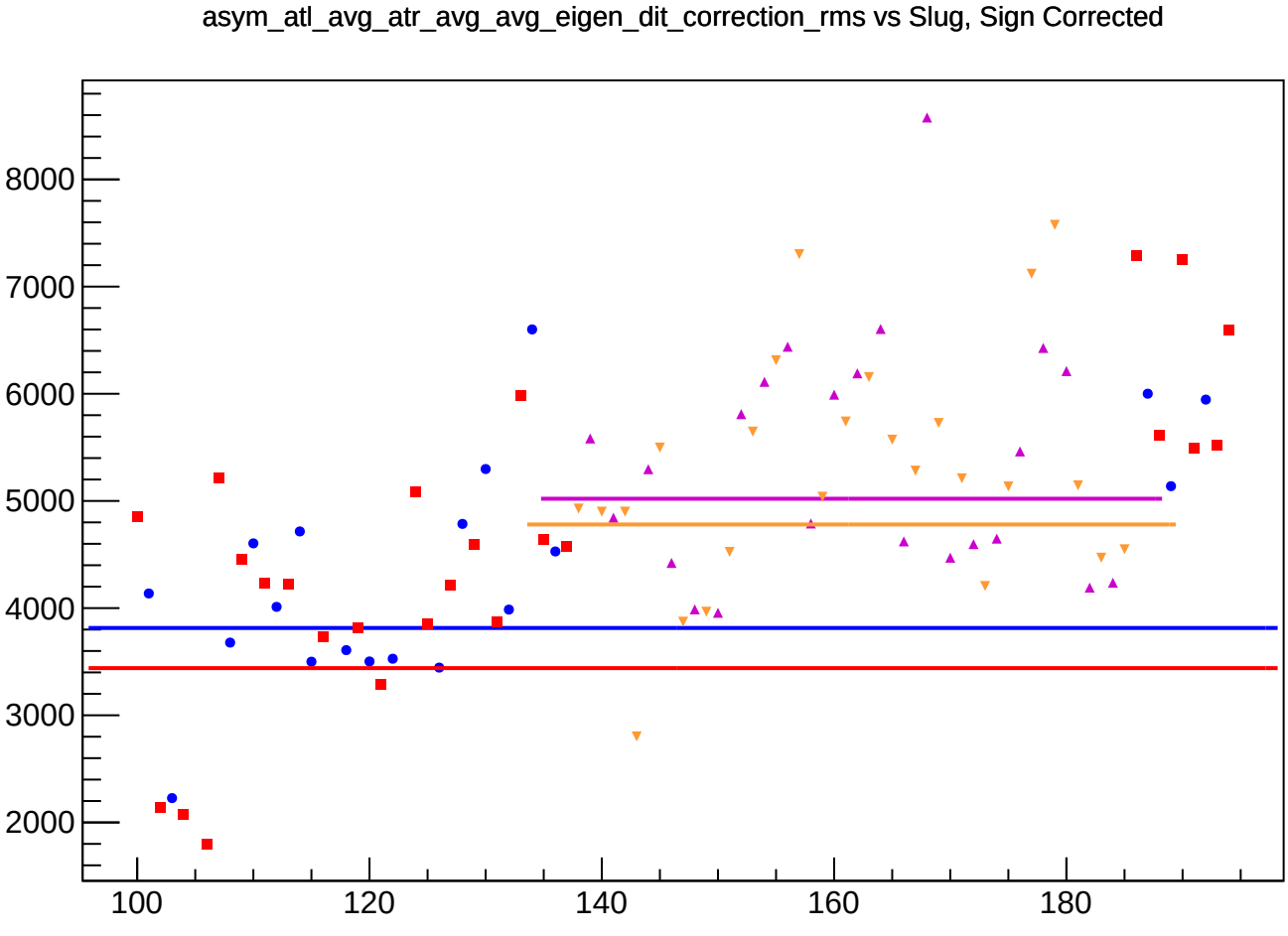
Left: -444.254+/-818.655 χ^2/NDF: 43.0/47

Right: -657.508+/-860.692 χ^2/NDF: 46.4/43

In: -385.288+/-891.750 χ^2/NDF:29.7/41

Out: -672.734+/-794.428 χ^2/NDF:59.7/49

All: -545.546+/-593.181 χ^2/NDF: 89.4/91



Right In: 3814.704+/-0.945 χ^2/NDF: 1348898.2/18

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3440.088+/-0.795 χ^2/NDF: 3433081.0/24

Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

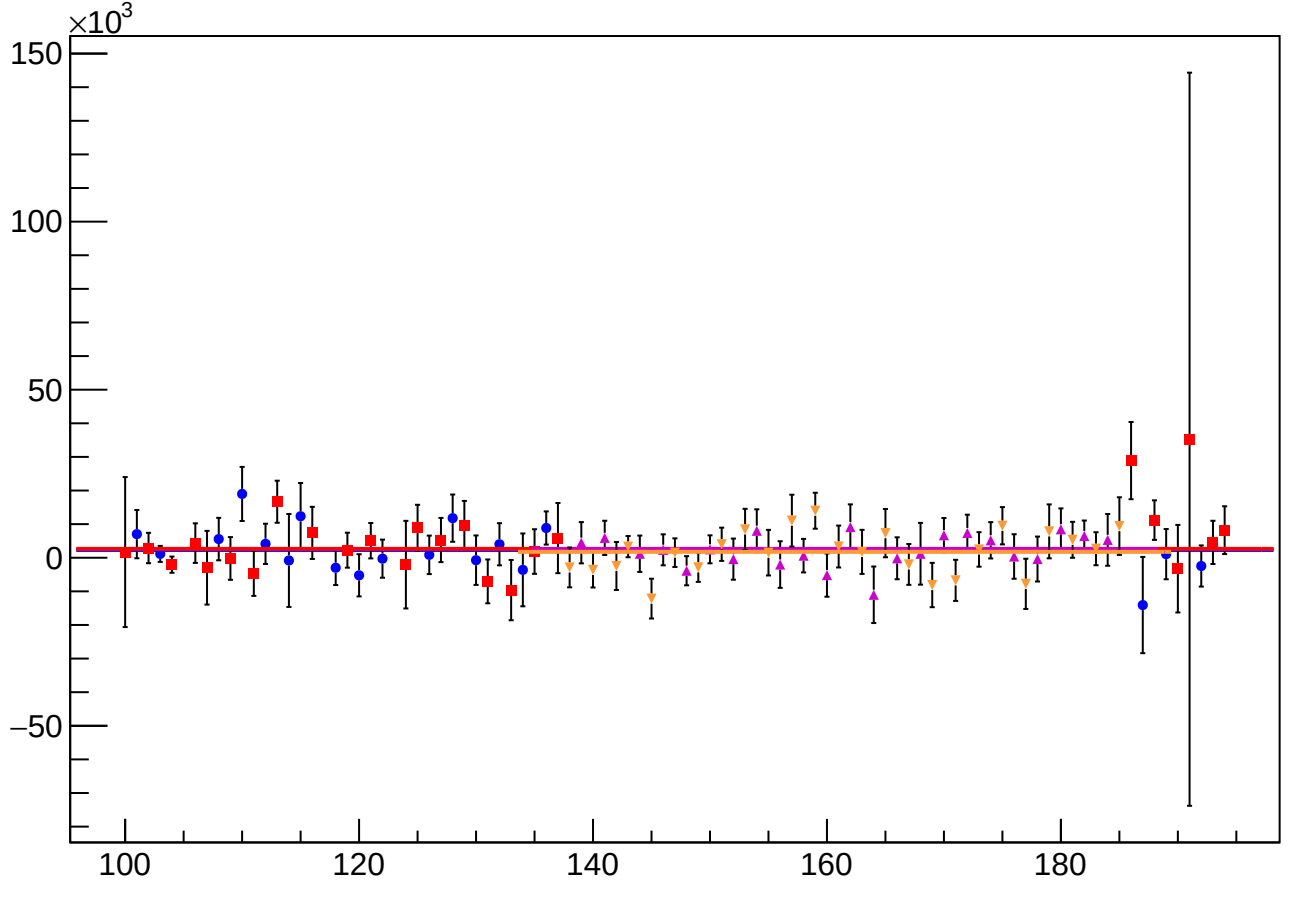
Left: 4892.776+/-0.579 χ^2/NDF: 3274196.2/47

Right: 3595.318+/-0.609 χ^2/NDF: 4873922.5/43

In: 4484.182+/-0.631 χ^2/NDF:3477138.2/41

Out: 4111.683+/-0.562 χ^2/NDF:6862549.8/49

All: 4276.504+/-0.419 χ^2/NDF: 10534250.3/9



Right In: 2335.729+/-1327.523 χ^2/NDF: 15.2/18

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: 2625.310+/-1244.376 χ^2/NDF: 25.7/24

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

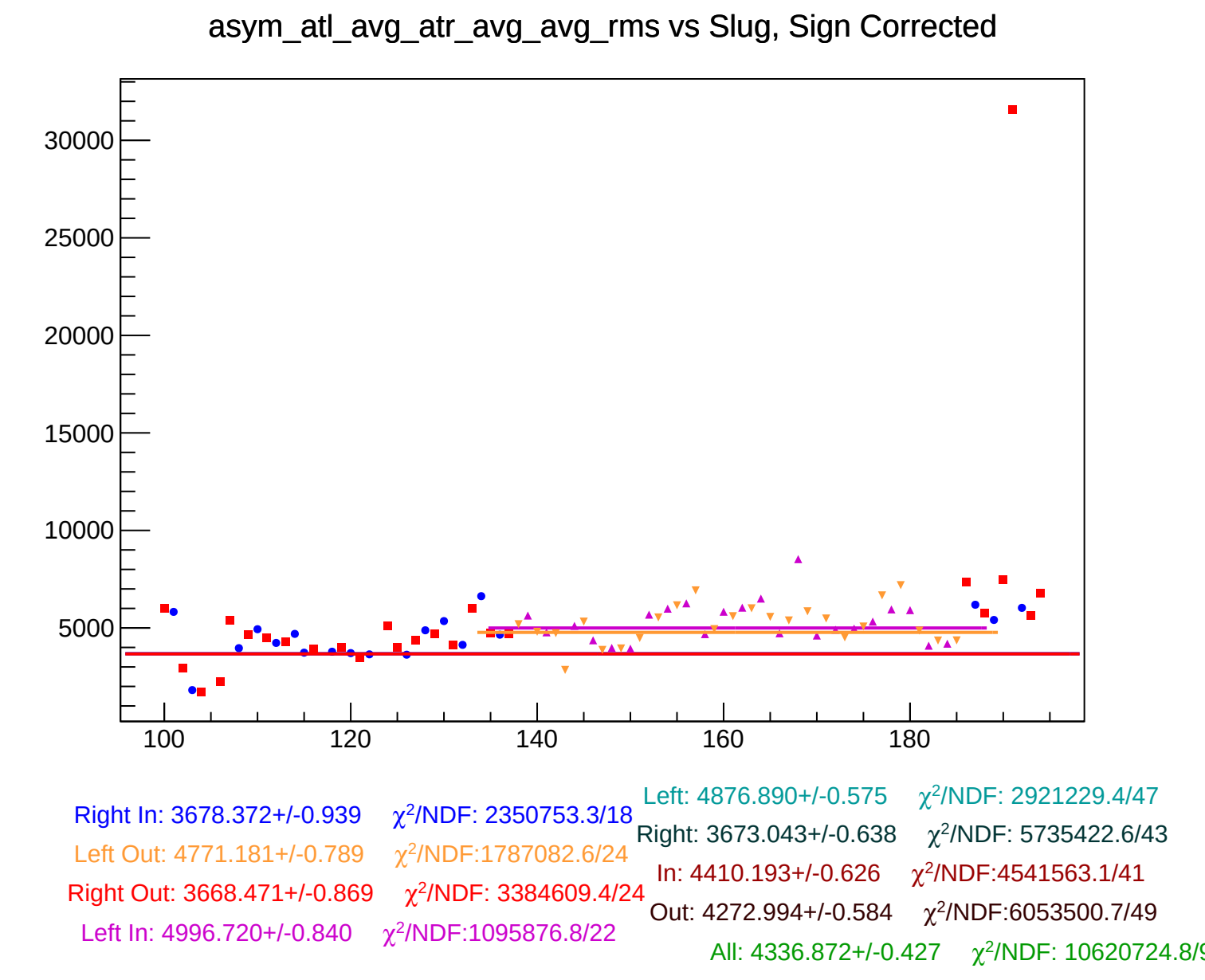
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

Right: 2489.871+/-907.879 χ^2/NDF: 41.0/43

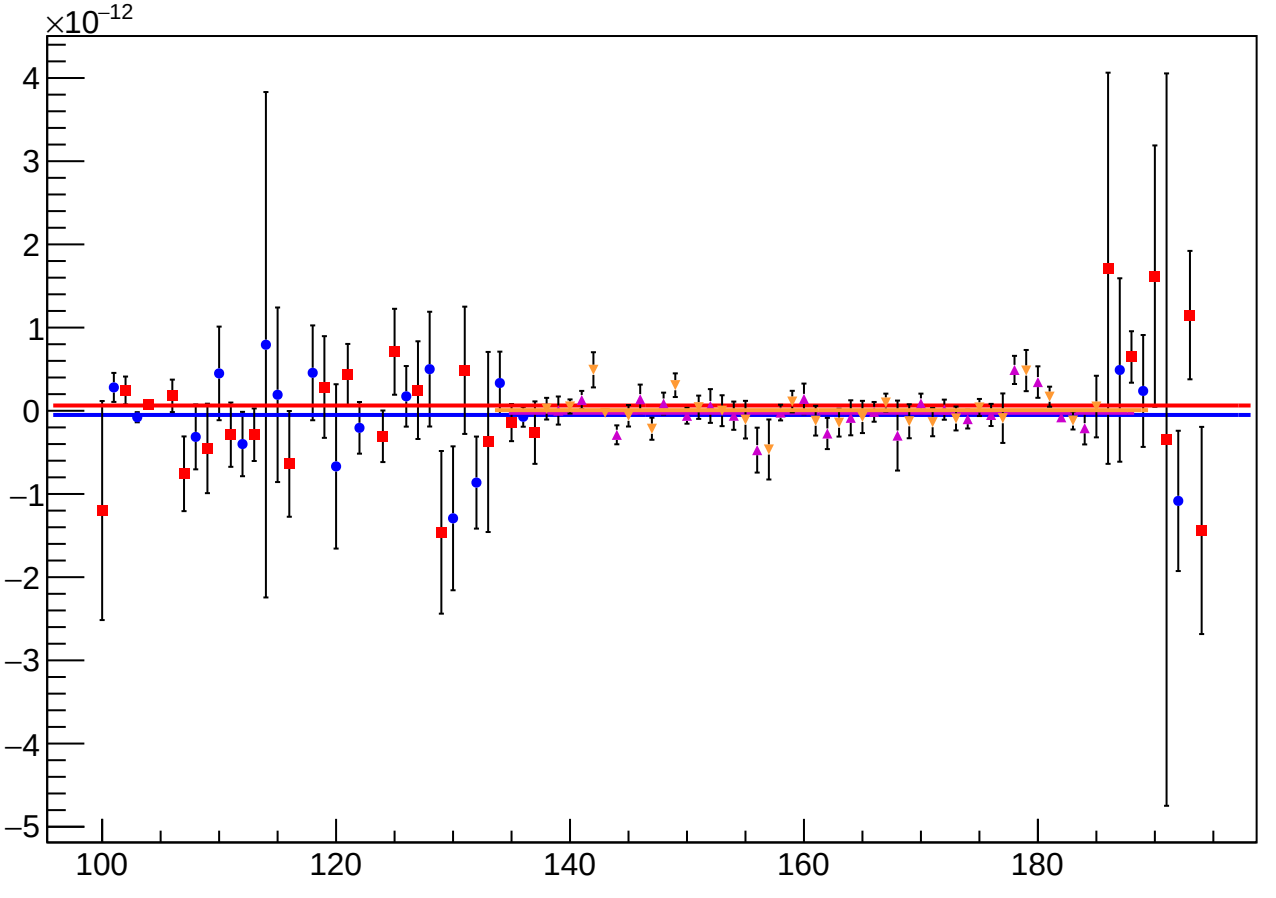
In: 2471.303+/-885.460 χ^2/NDF:28.5/41

Out: 2146.753+/-830.918 χ^2/NDF:53.7/49

All: 2298.725+/-605.913 χ^2/NDF: 82.3/91


asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
100
120
140
160
180
Right In: 3678.372+/-0.939 χ²/NDF: 2350753.3/18
Left Out: 4771.181+/-0.789 χ²/NDF:1787082.6/24
Right Out: 3668.471+/-0.869 χ²/NDF: 3384609.4/24
Left In: 4996.720+/-0.840 χ²/NDF:1095876.8/22
Left: 4876.890+/-0.575 χ²/NDF: 2921229.4/47
Right: 3673.043+/-0.638 χ²/NDF: 5735422.6/43
In: 4410.193+/-0.626 χ²/NDF:4541563.1/41
Out: 4272.994+/-0.584 χ²/NDF:6053500.7/49
All: 4336.872+/-0.427 χ²/NDF: 10620724.8/9

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/24

Left In: -0.000+/-0.000 χ^2/NDF:31.7/22

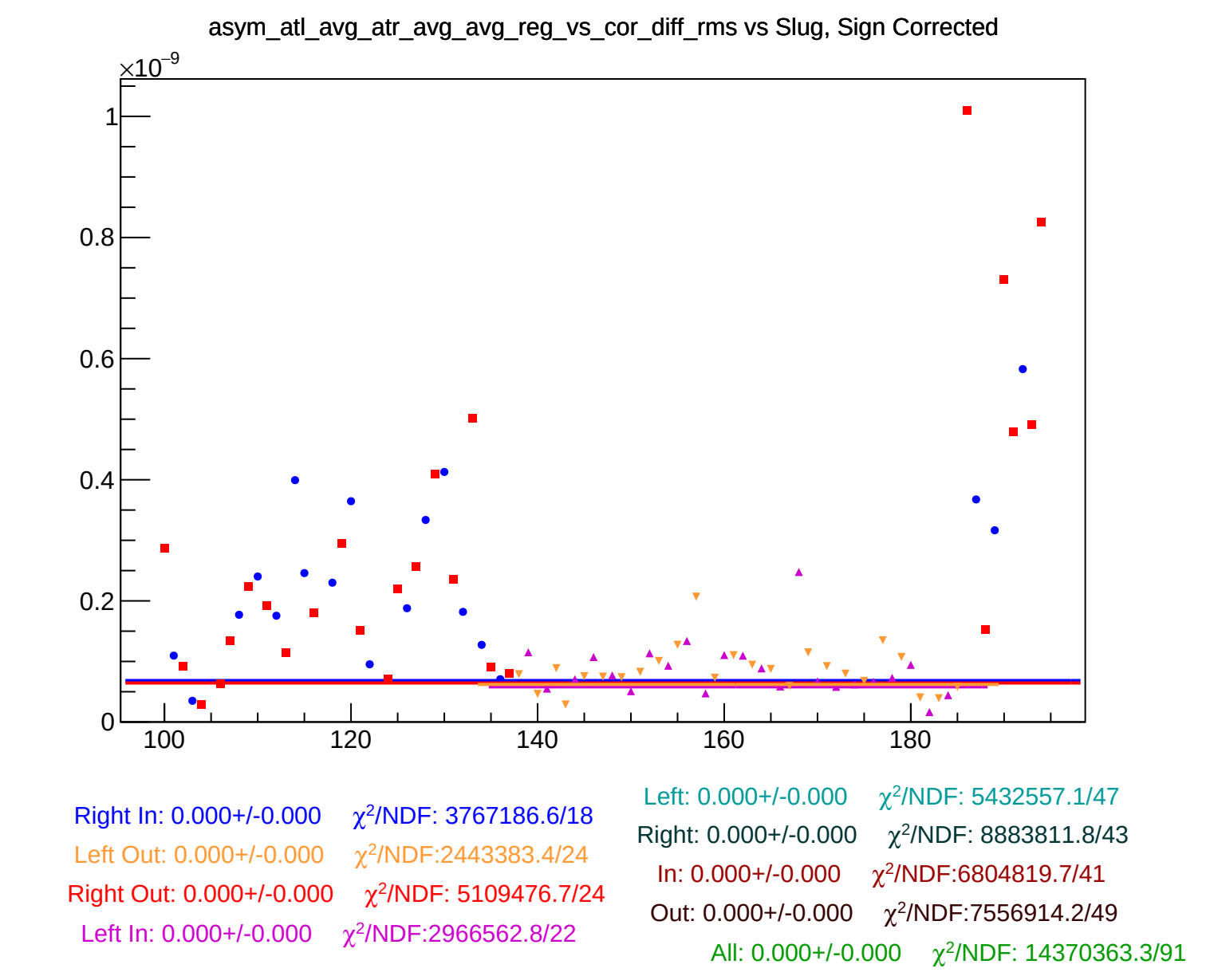
Left: -0.000+/-0.000 χ^2/NDF: 59.5/47

Right: 0.000+/-0.000 χ^2/NDF: 45.7/43

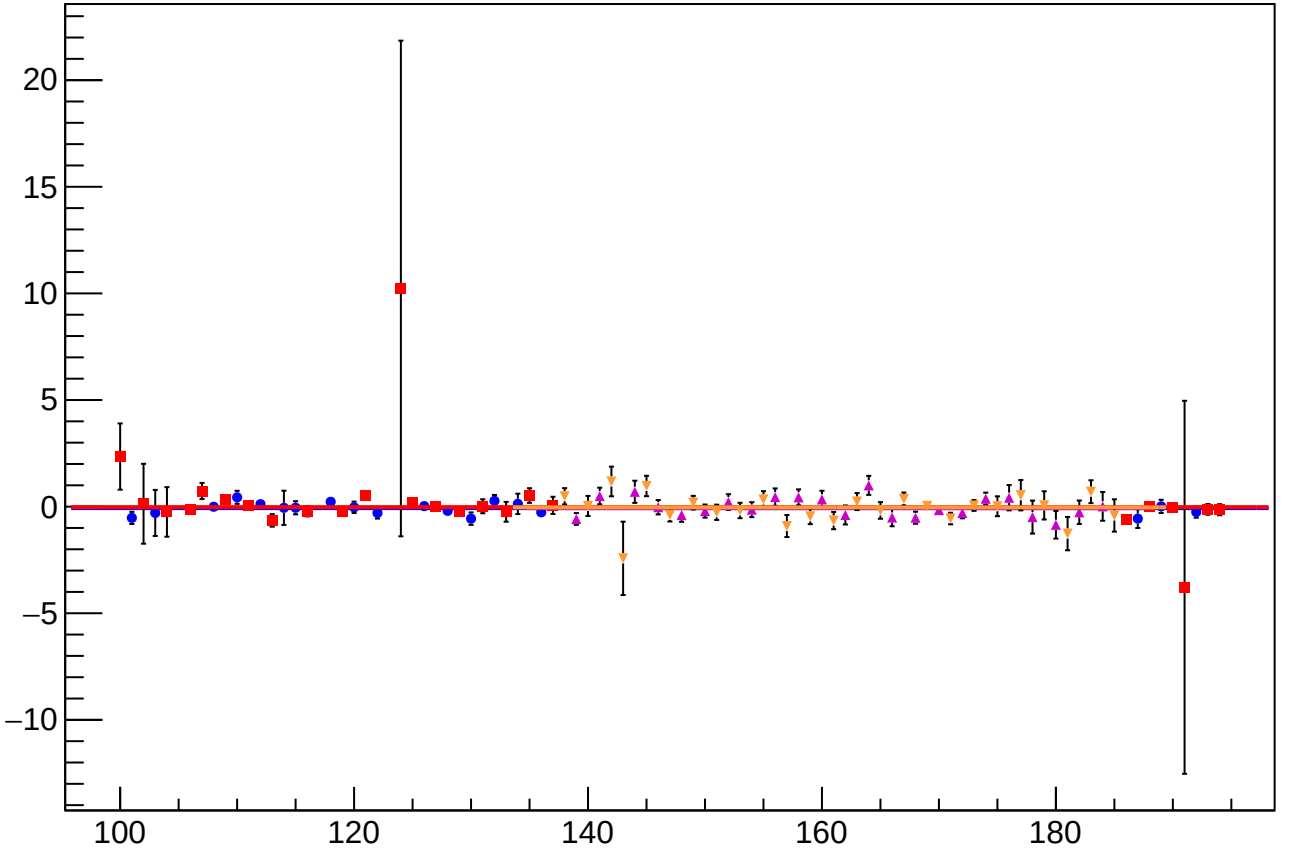
In: -0.000+/-0.000 χ^2/NDF:47.6/41

Out: 0.000+/-0.000 χ^2/NDF:55.3/49

All: -0.000+/-0.000 χ^2/NDF: 105.4/91


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 3767186.6/18
Left Out: 0.000+/-0.000 χ²/NDF:2443383.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 5109476.7/24
Left In: 0.000+/-0.000 χ²/NDF:2966562.8/22
Left: 0.000+/-0.000 χ²/NDF: 5432557.1/47
Right: 0.000+/-0.000 χ²/NDF: 8883811.8/43
In: 0.000+/-0.000 χ²/NDF:6804819.7/41
Out: 0.000+/-0.000 χ²/NDF:7556914.2/49
All: 0.000+/-0.000 χ²/NDF: 14370363.3/91

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.070+/-0.063 χ^2/NDF: 16.7/18

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.023+/-0.050 χ^2/NDF: 35.8/24

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

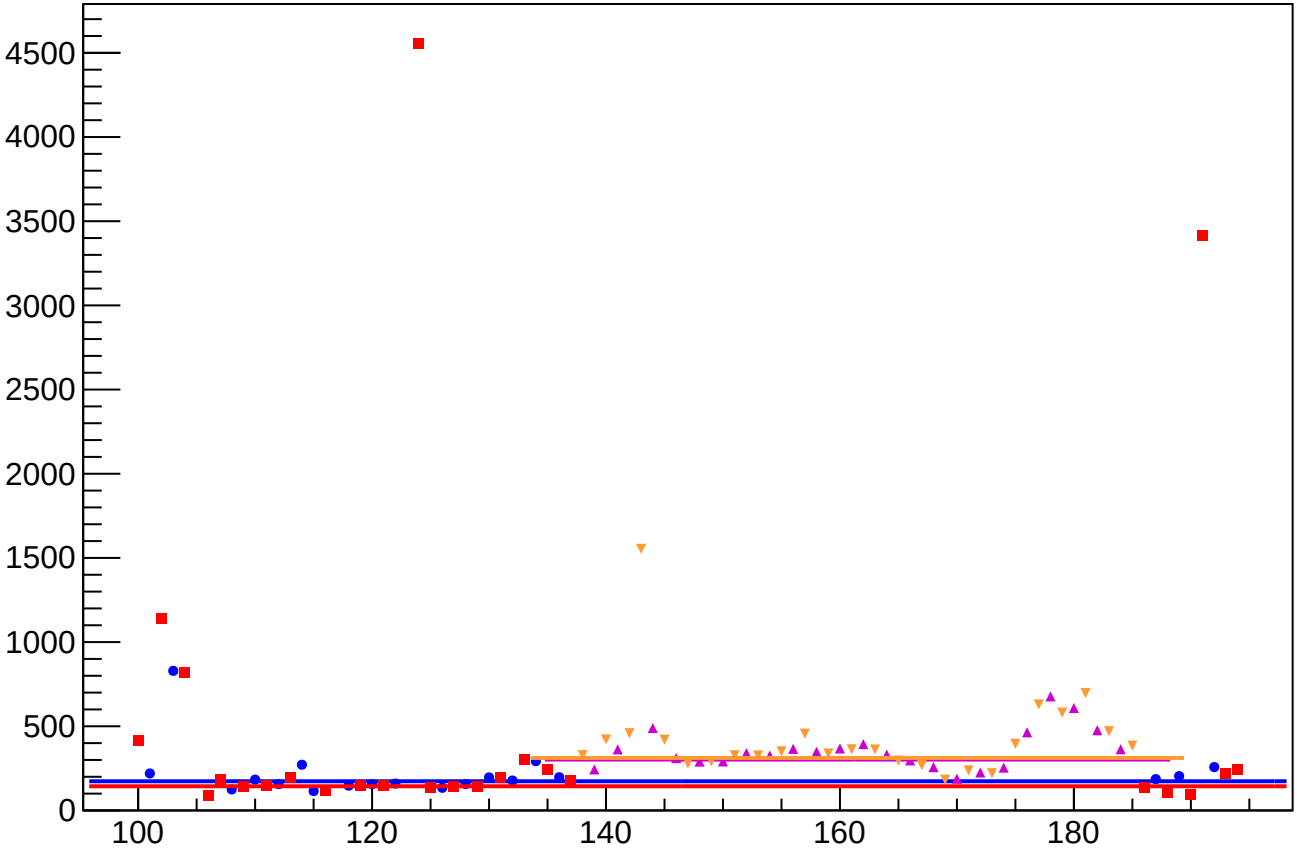
Right: -0.042+/-0.039 χ^2/NDF: 52.9/43

In: -0.070+/-0.048 χ^2/NDF:46.7/41

Out: -0.027+/-0.042 χ^2/NDF:68.3/49

All: -0.045+/-0.032 χ^2/NDF: 115.4/91

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 173.314+/-0.044 χ^2/NDF: 1523728.6/18

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 143.651+/-0.035 χ^2/NDF: 3514054.7/24

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

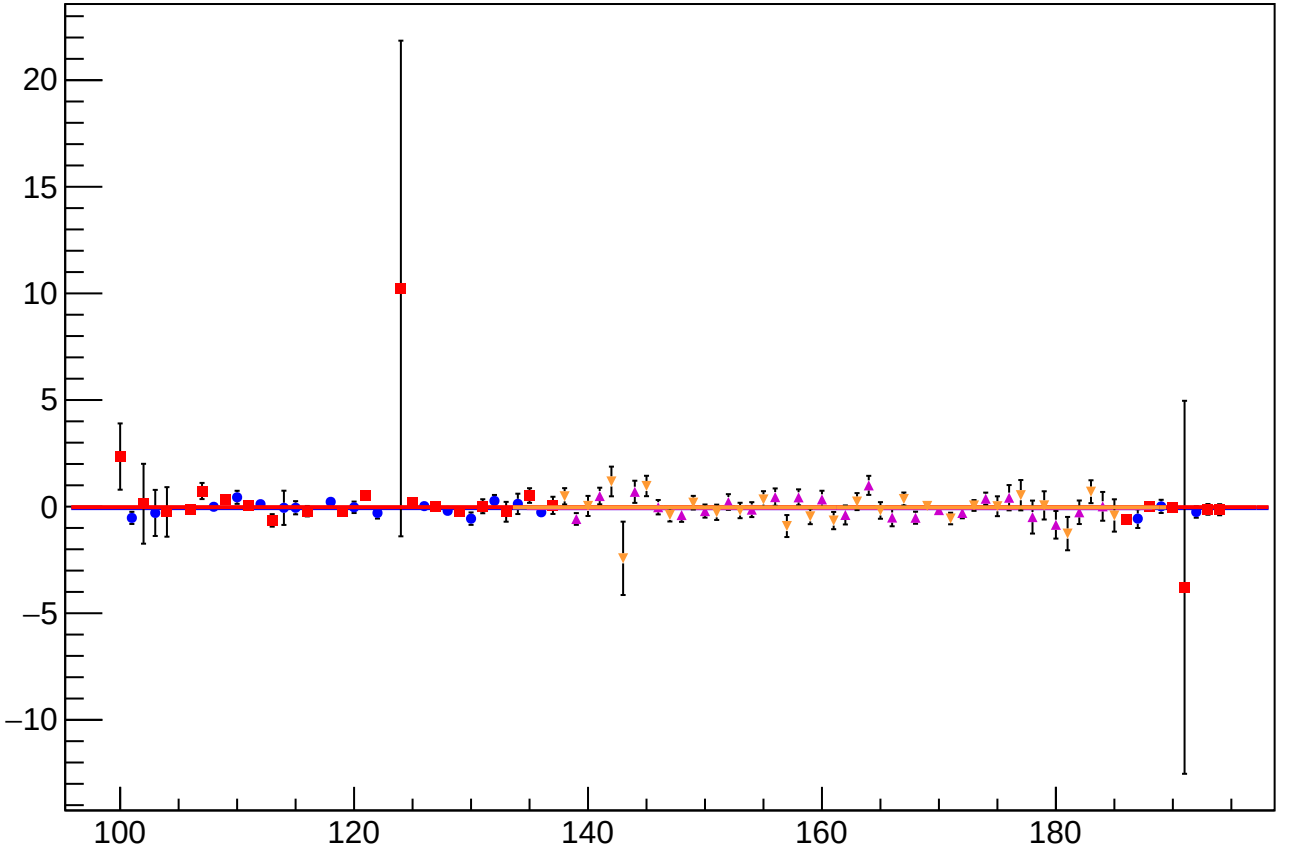
Right: 155.117+/-0.028 χ^2/NDF: 5312168.0/43

In: 226.518+/-0.034 χ^2/NDF:7823178.3/41

Out: 193.574+/-0.030 χ^2/NDF:14642954.9/49

All: 207.736+/-0.022 χ^2/NDF: 23001281.3/91

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.070+/-0.063 χ^2/NDF: 16.7/18

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.023+/-0.050 χ^2/NDF: 35.8/24

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

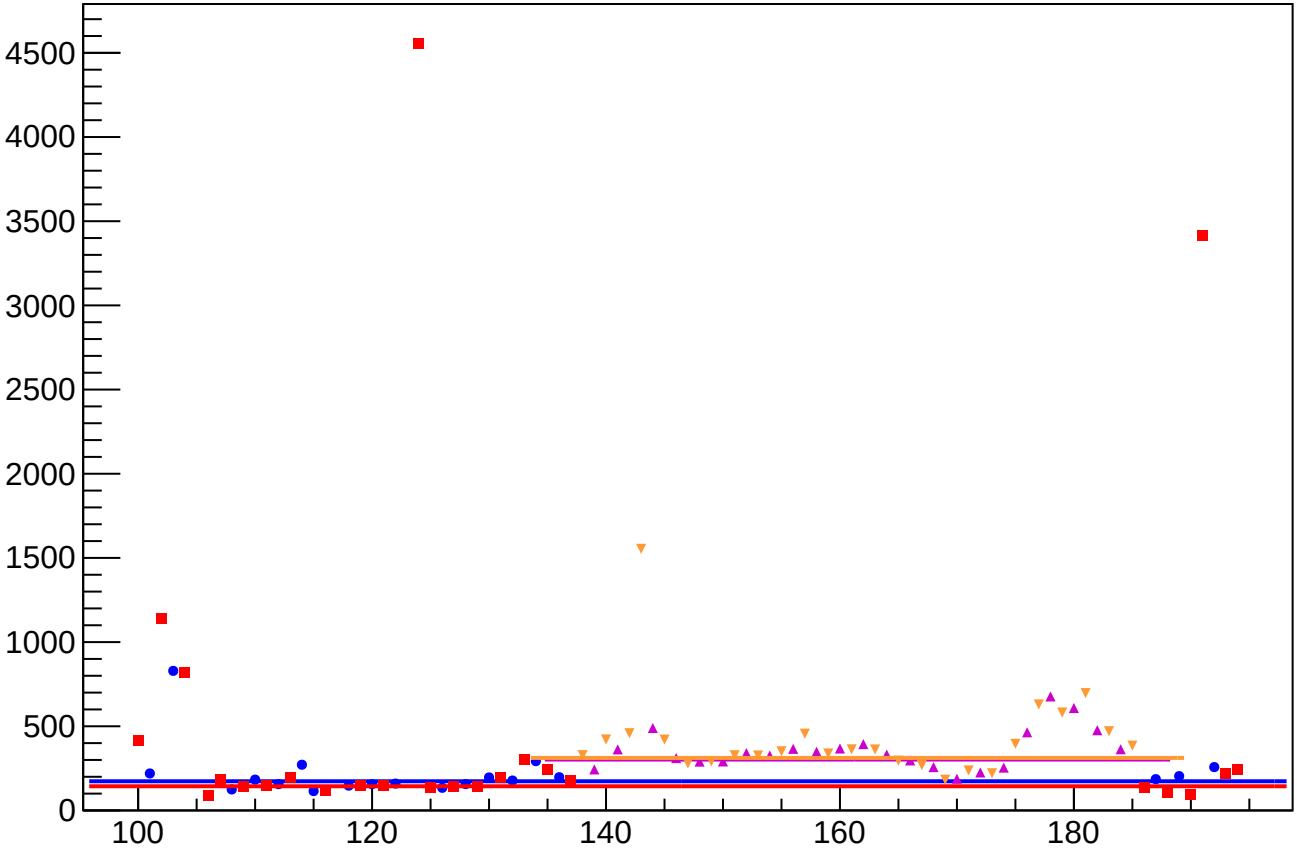
Right: -0.042+/-0.039 χ^2/NDF: 52.9/43

In: -0.070+/-0.048 χ^2/NDF:46.7/41

Out: -0.027+/-0.042 χ^2/NDF:68.3/49

All: -0.045+/-0.032 χ^2/NDF: 115.4/91

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 173.314+/-0.044 χ^2/NDF: 1523728.6/18

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 143.651+/-0.035 χ^2/NDF: 3514054.7/24

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

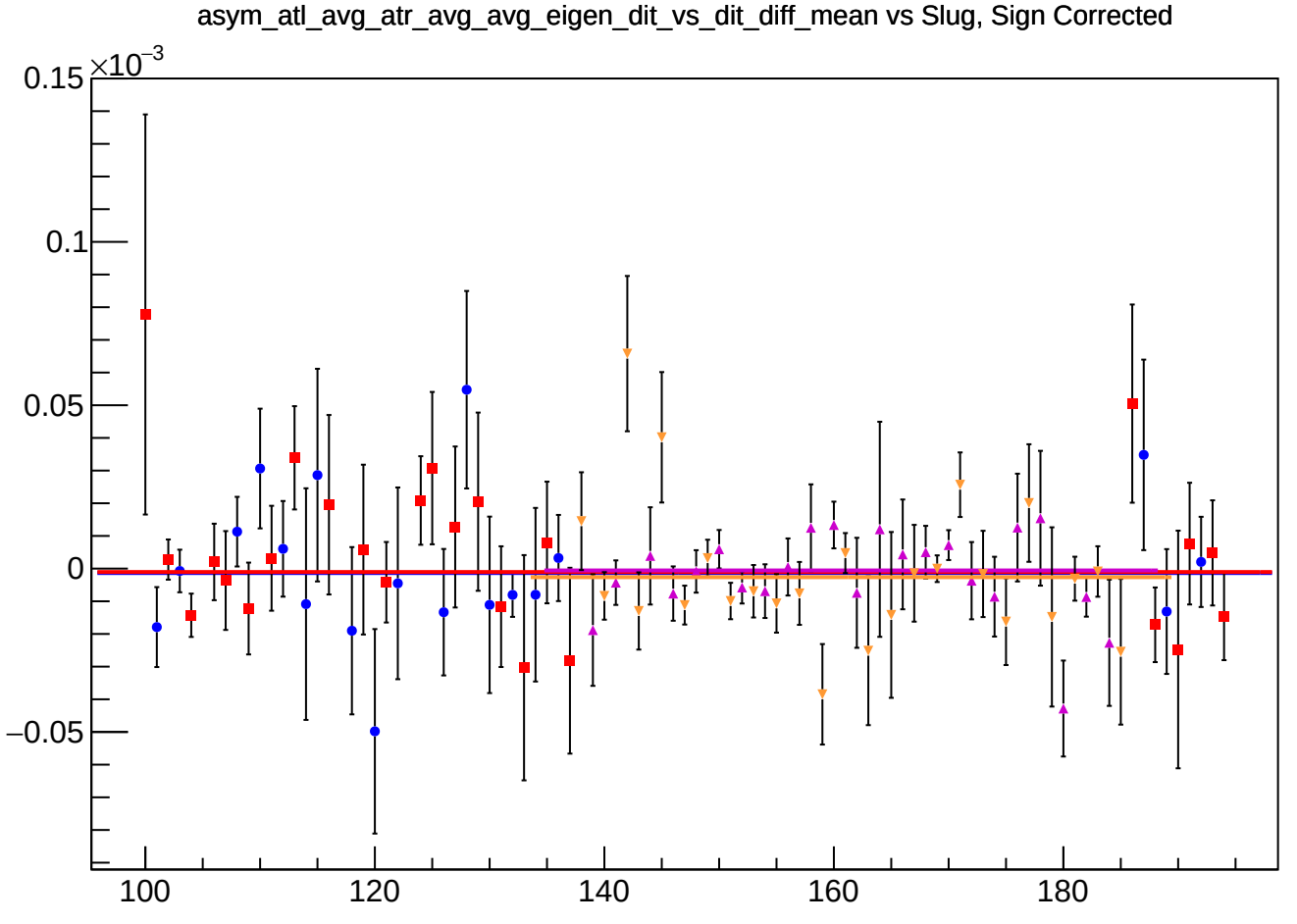
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 155.117+/-0.028 χ^2/NDF: 5312168.0/43

In: 226.518+/-0.034 χ^2/NDF:7823178.3/41

Out: 193.574+/-0.030 χ^2/NDF:14642954.9/49

All: 207.736+/-0.022 χ^2/NDF: 23001281.3/91



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/24

Left In: -0.000+/-0.000 χ^2/NDF:26.9/22

Left: -0.000+/-0.000 χ^2/NDF: 70.0/47

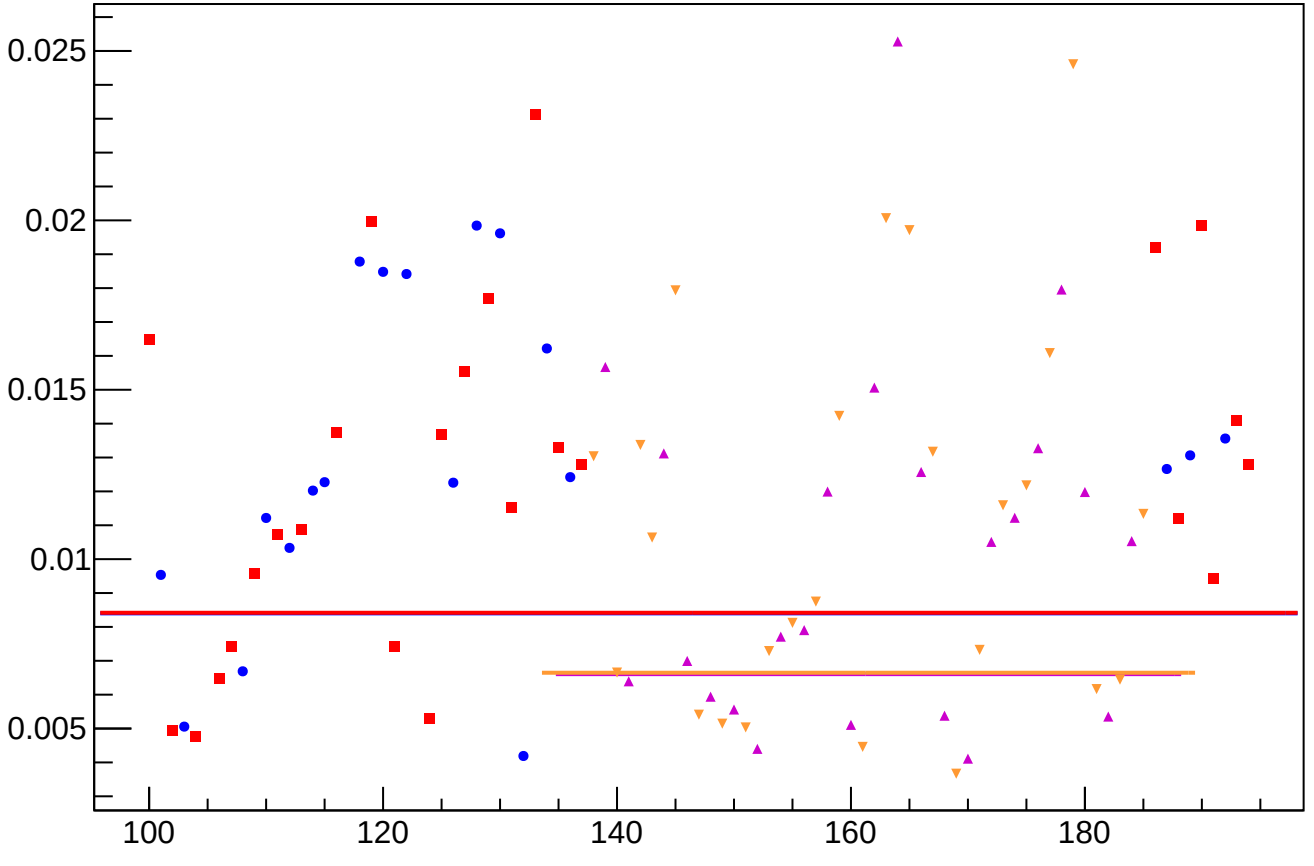
Right: -0.000+/-0.000 χ^2/NDF: 44.2/43

In: -0.000+/-0.000 χ^2/NDF:44.4/41

Out: -0.000+/-0.000 χ^2/NDF:69.4/49

All: -0.000+/-0.000 χ^2/NDF: 114.2/91

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3789750.5/18

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 4176718.9/24

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

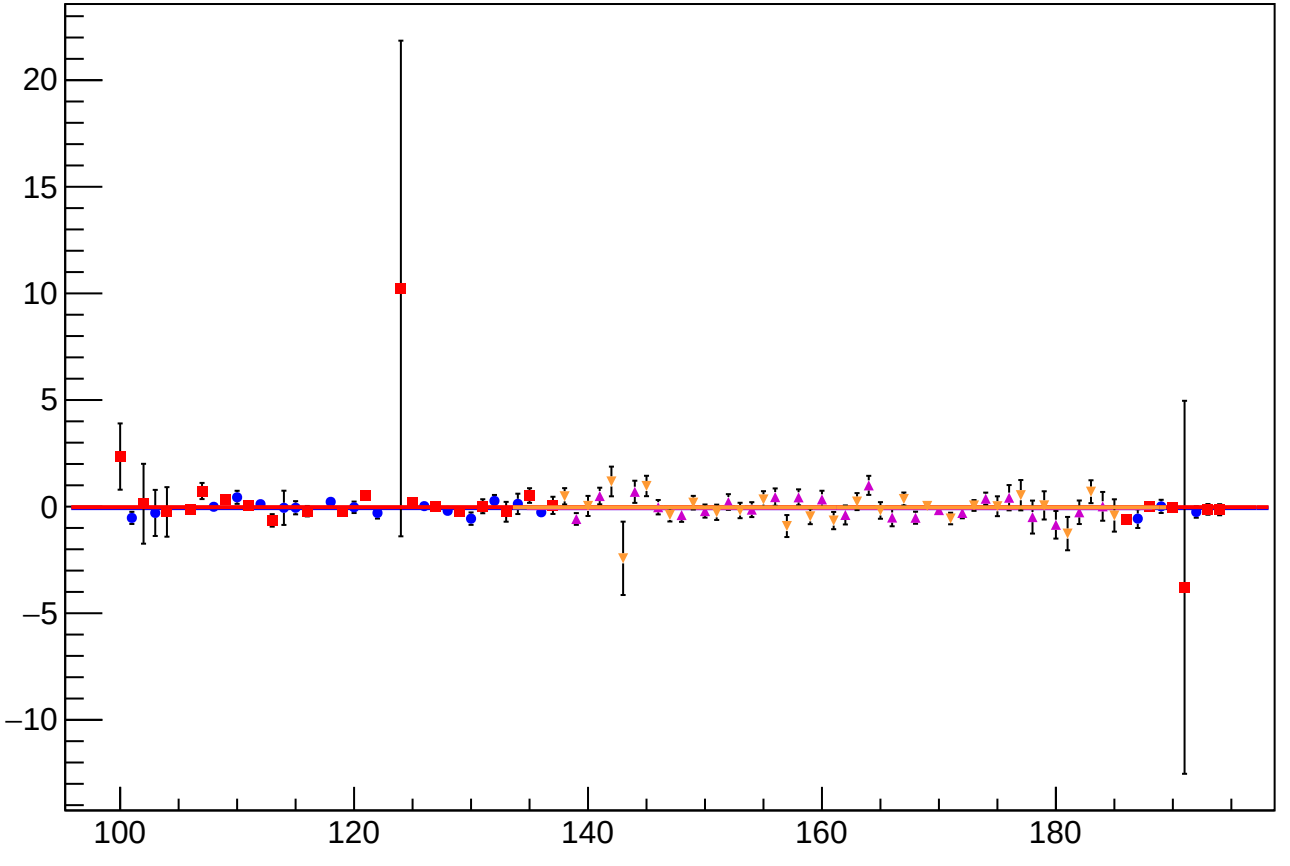
Right: 0.008+/-0.000 χ^2/NDF: 7966500.5/43

In: 0.007+/-0.000 χ^2/NDF:10118733.9/41

Out: 0.007+/-0.000 χ^2/NDF:12254355.2/49

All: 0.007+/-0.000 χ^2/NDF: 22377989.7/91

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.070+/-0.063 χ^2/NDF: 16.7/18

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.023+/-0.050 χ^2/NDF: 35.8/24

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

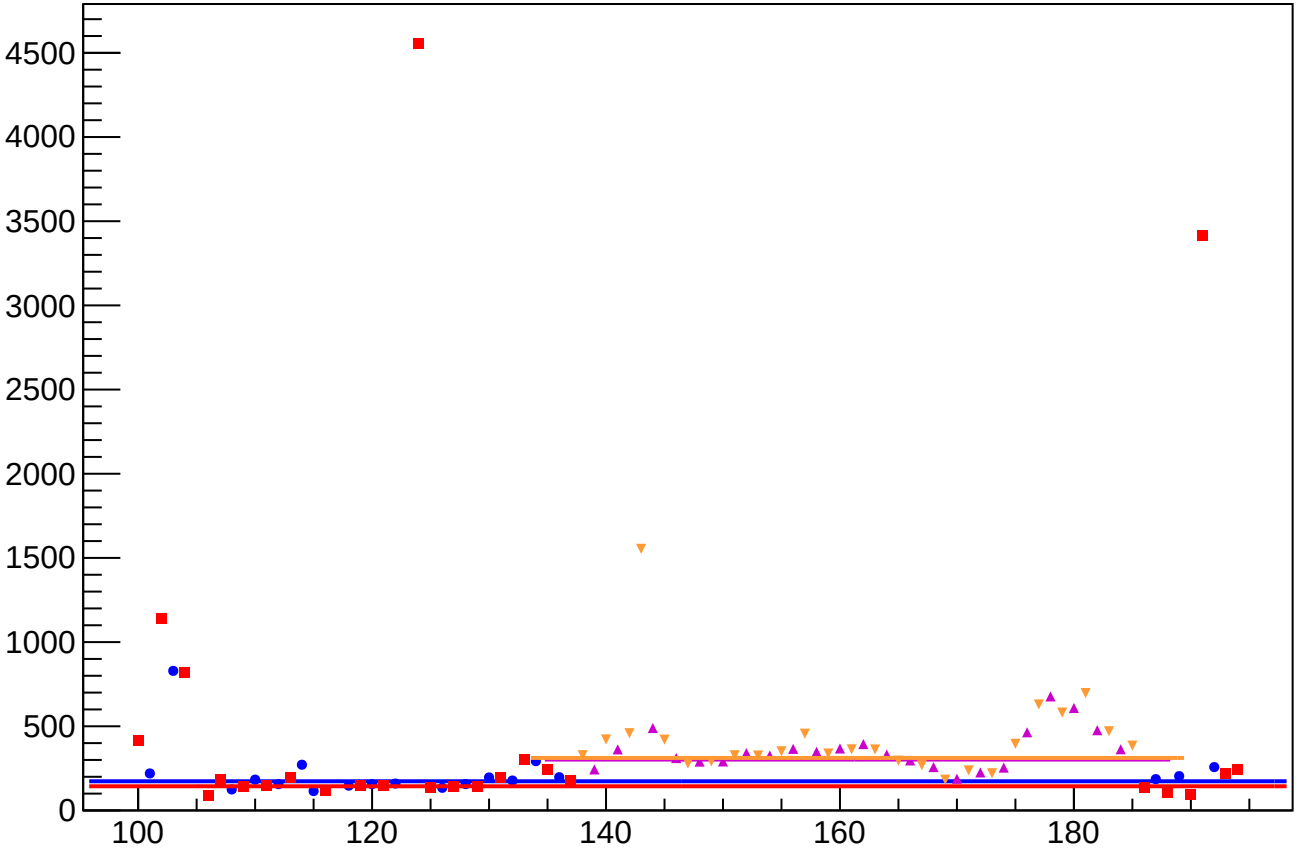
Right: -0.042+/-0.039 χ^2/NDF: 52.9/43

In: -0.070+/-0.048 χ^2/NDF:46.7/41

Out: -0.027+/-0.042 χ^2/NDF:68.3/49

All: -0.045+/-0.032 χ^2/NDF: 115.4/91

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 173.313+/-0.044 χ^2/NDF: 1523728.4/18

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 143.648+/-0.035 χ^2/NDF: 3514173.6/24

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

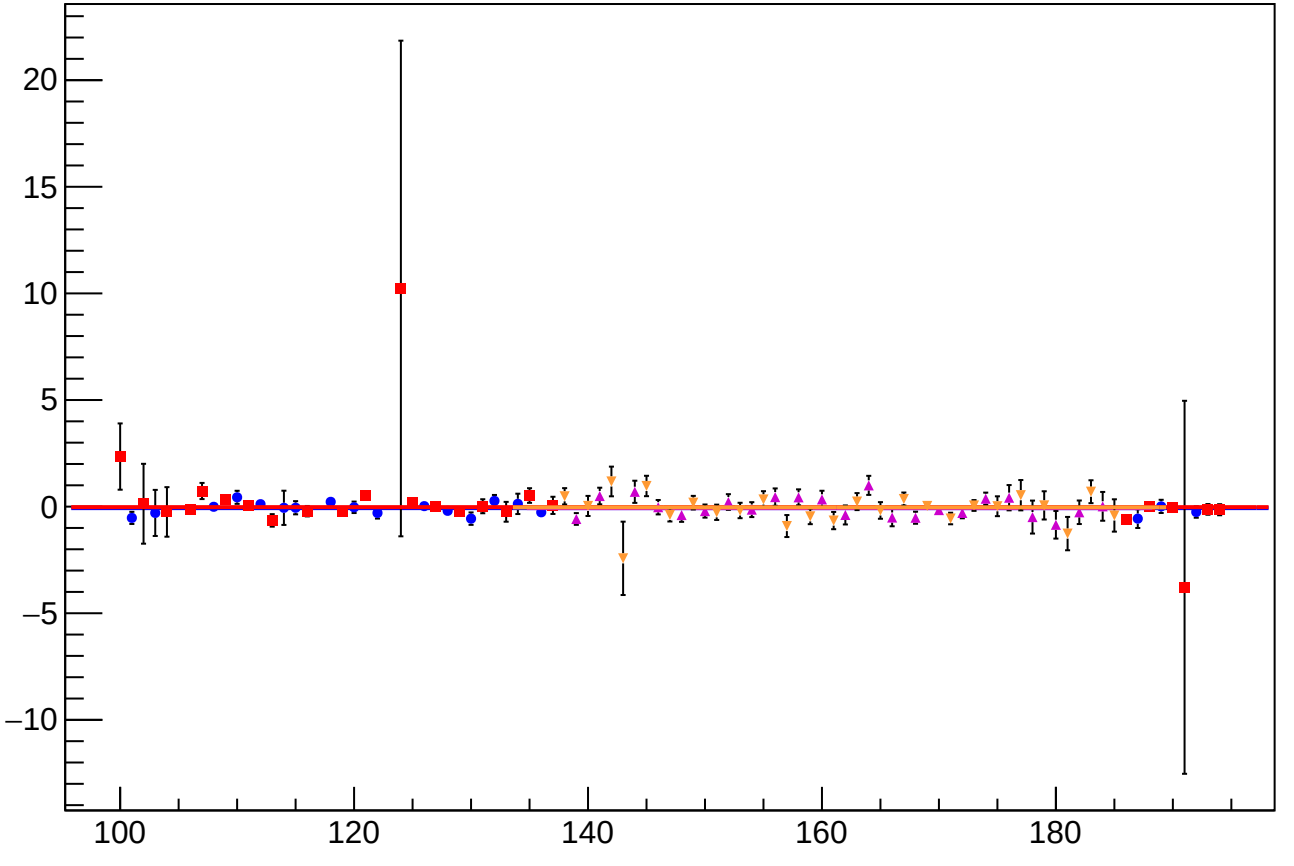
Right: 155.115+/-0.028 χ^2/NDF: 5312348.9/43

In: 226.517+/-0.034 χ^2/NDF:7823396.0/41

Out: 193.570+/-0.030 χ^2/NDF:14643620.1/49

All: 207.734+/-0.022 χ^2/NDF: 23002287.1/91

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.070+/-0.063 χ^2/NDF: 16.7/18

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.023+/-0.050 χ^2/NDF: 35.8/24

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

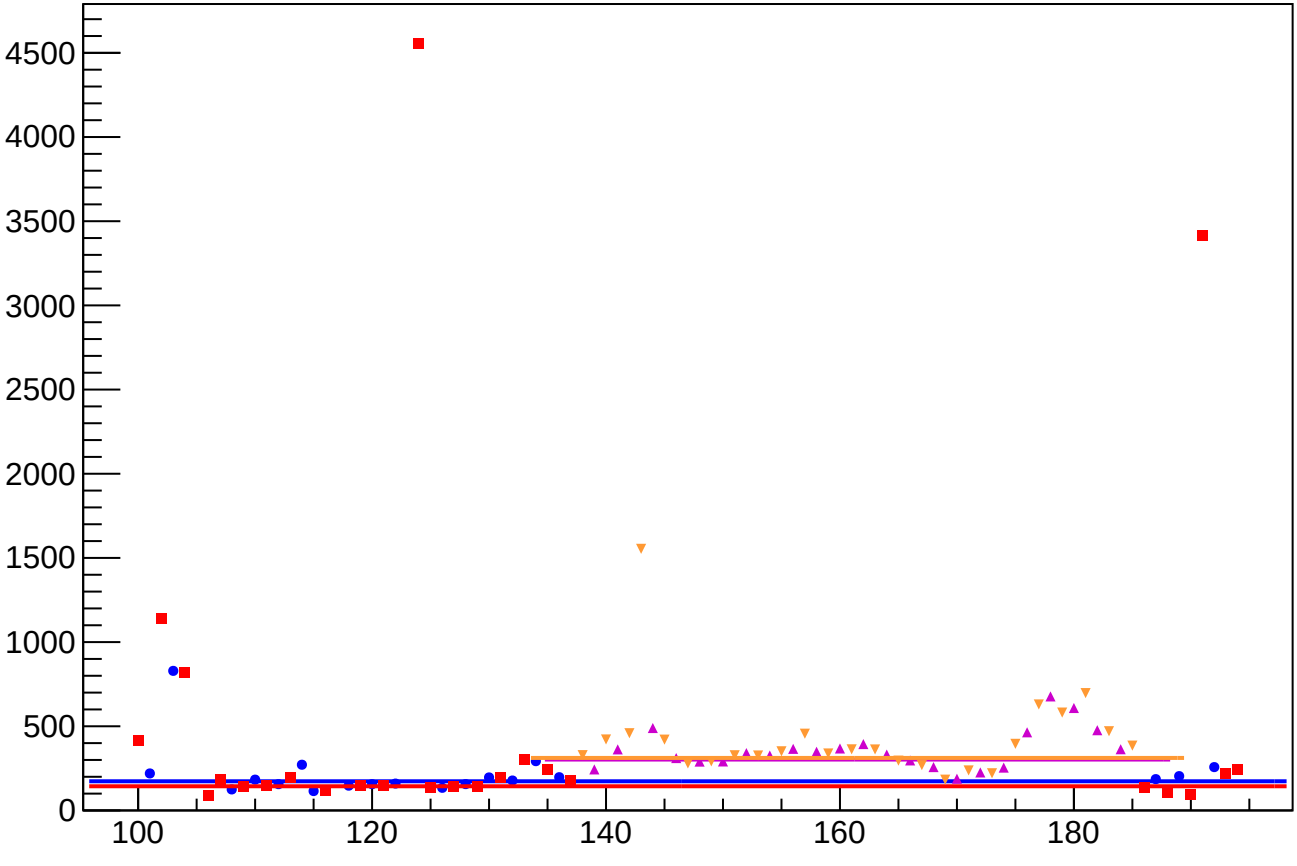
Right: -0.042+/-0.039 χ^2/NDF: 52.9/43

In: -0.070+/-0.048 χ^2/NDF:46.7/41

Out: -0.027+/-0.042 χ^2/NDF:68.3/49

All: -0.045+/-0.032 χ^2/NDF: 115.4/91

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 173.313+/-0.044 χ^2/NDF: 1523728.4/18

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 143.648+/-0.035 χ^2/NDF: 3514173.6/24

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

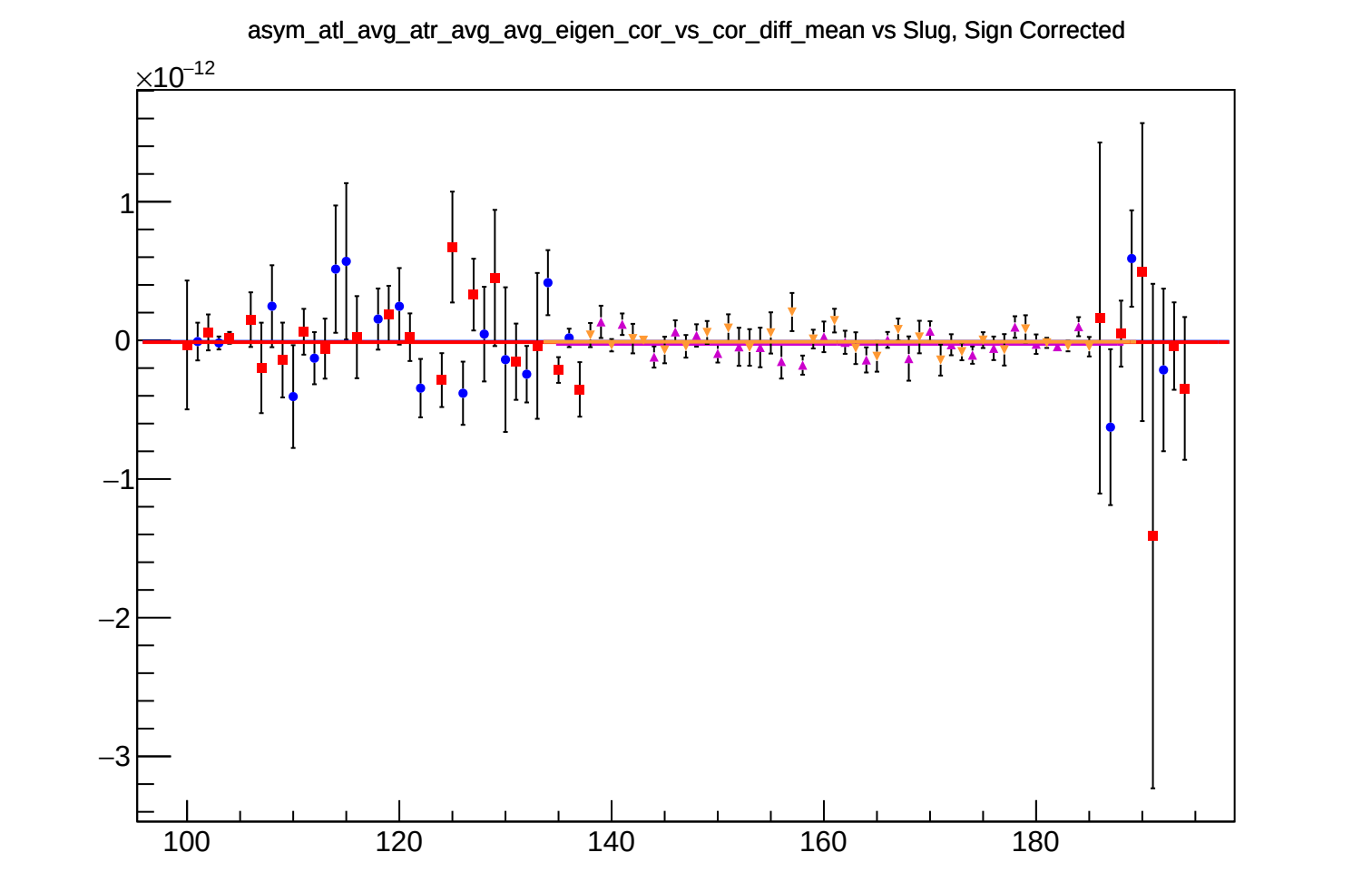
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

Right: 155.115+/-0.028 χ^2/NDF: 5312348.9/43

In: 226.517+/-0.034 χ^2/NDF:7823396.0/41

Out: 193.570+/-0.030 χ^2/NDF:14643620.1/49

All: 207.734+/-0.022 χ^2/NDF: 23002287.1/91



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/24

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

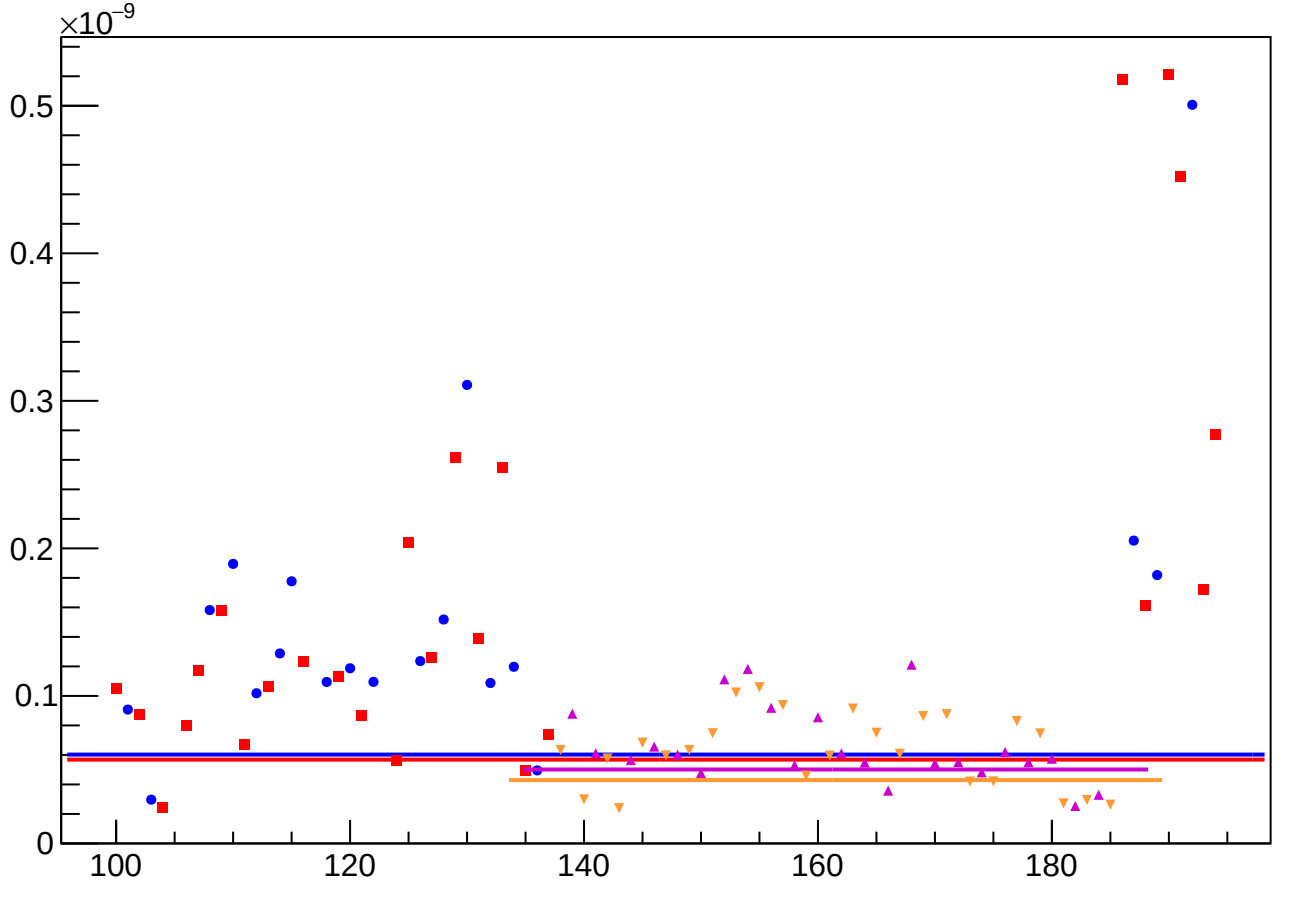
Right: -0.000+/-0.000 χ^2/NDF: 40.7/43

In: -0.000+/-0.000 χ^2/NDF:48.2/41

Out: -0.000+/-0.000 χ^2/NDF:36.4/49

All: -0.000+/-0.000 χ^2/NDF: 85.1/91

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4506015.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5085701.4/24

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

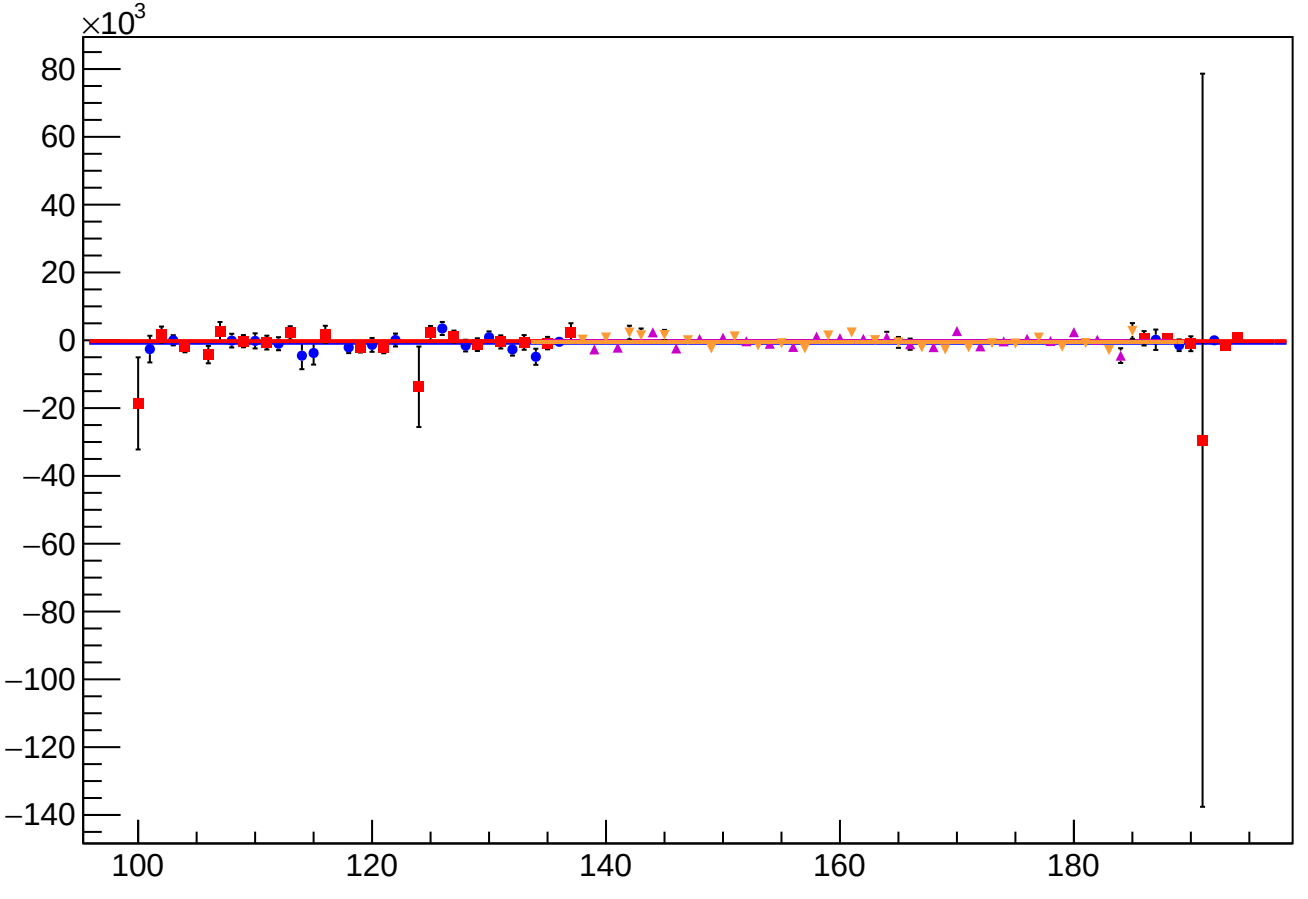
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 9603198.6/43

In: 0.000+/-0.000 χ^2/NDF:8274655.2/41

Out: 0.000+/-0.000 χ^2/NDF:10497300.3/49

All: 0.000+/-0.000 χ^2/NDF: 19040534.7/91



Right In: -732.003+/-436.629 χ^2/NDF: 14.0/18

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -247.383+/-400.655 χ^2/NDF: 17.8/24

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

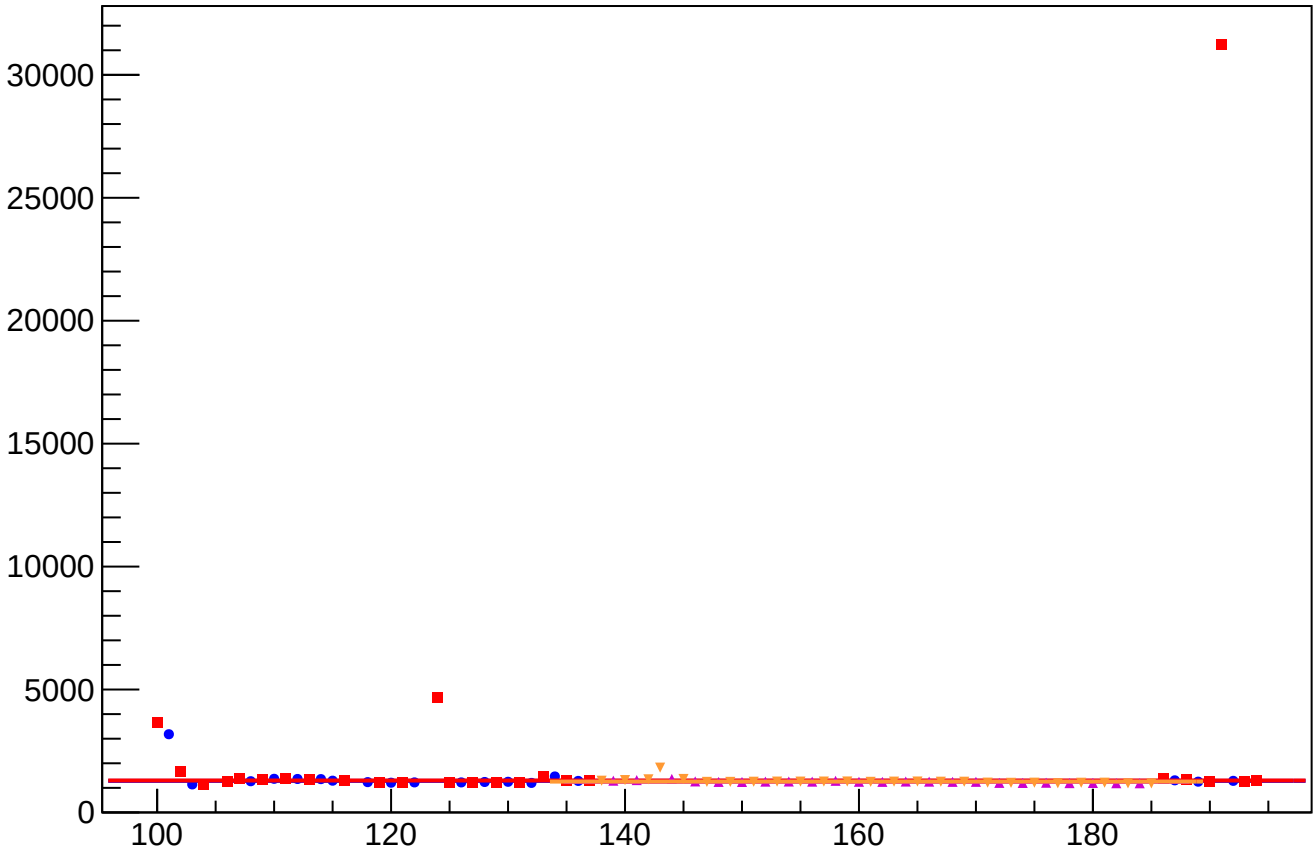
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -468.909+/-295.206 χ^2/NDF: 32.5/43

In: -393.302+/-242.244 χ^2/NDF:46.9/41

Out: -424.346+/-232.748 χ^2/NDF:49.0/49

All: -409.445+/-167.834 χ^2/NDF: 95.9/91



Right In: 1284.288+/-0.309 χ^2/NDF: 518951.4/18

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1299.185+/-0.283 χ^2/NDF: 489259.8/24

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

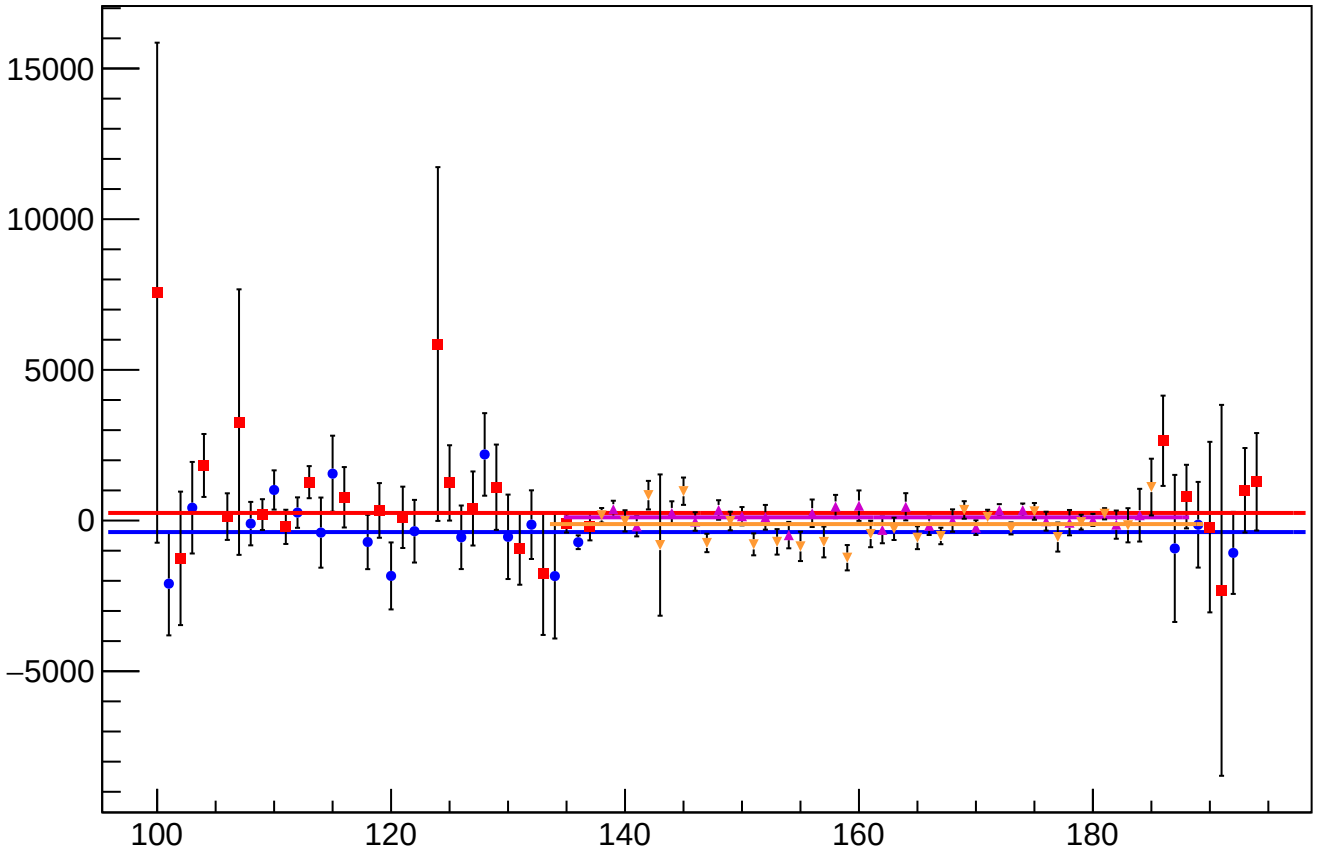
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1292.375+/-0.209 χ^2/NDF: 1009475.1/43

In: 1258.031+/-0.171 χ^2/NDF:569257.3/41

Out: 1270.251+/-0.165 χ^2/NDF:708126.5/49

All: 1264.385+/-0.119 χ^2/NDF: 1280030.5/91



Right In: -382.062+/-165.413 χ^2/NDF: 18.5/18

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 252.395+/-164.040 χ^2/NDF: 18.5/24

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

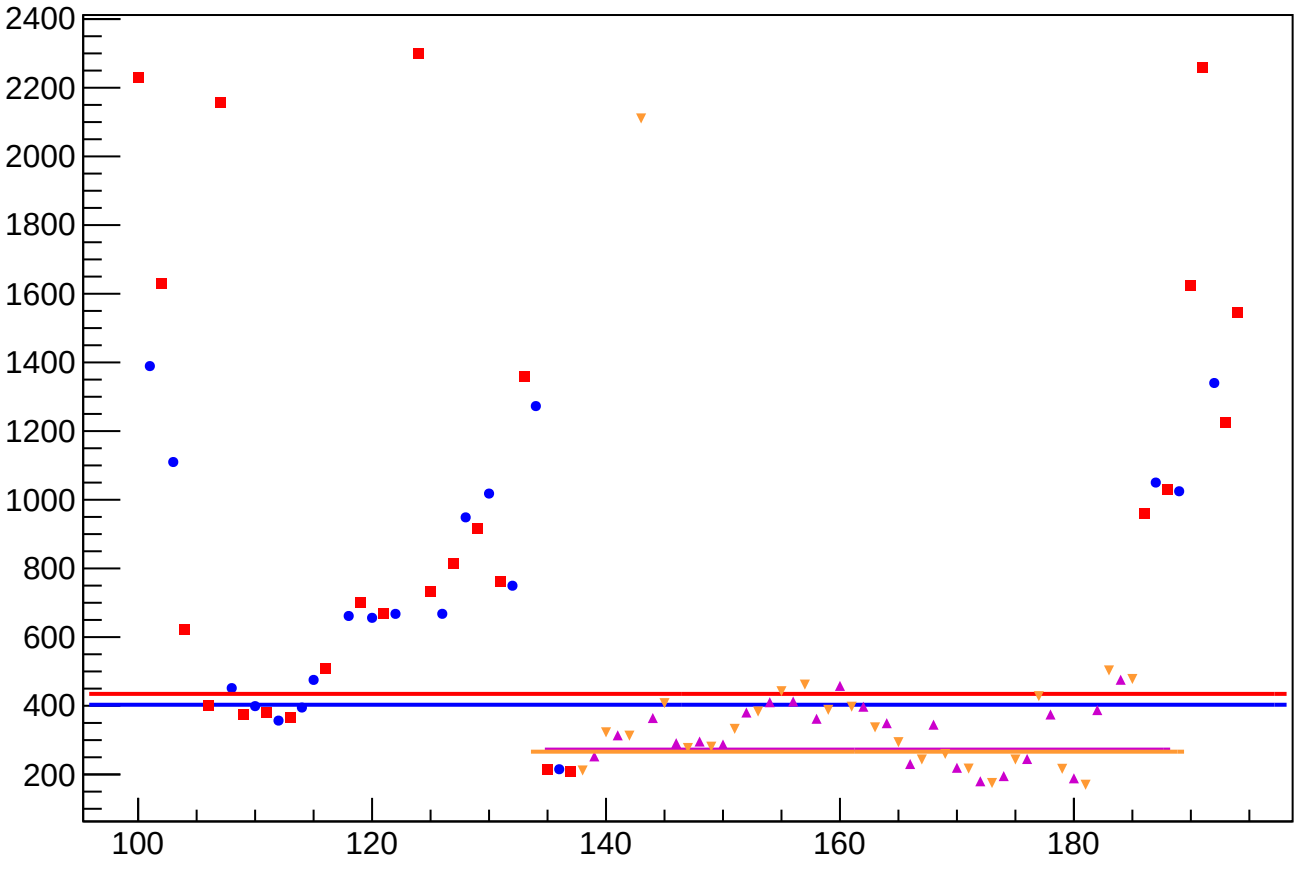
Right: -62.189+/-116.476 χ^2/NDF: 44.4/43

In: 38.364+/-62.100 χ^2/NDF:39.7/41

Out: -66.818+/-60.476 χ^2/NDF:71.3/49

All: -15.620+/-43.326 χ^2/NDF: 112.5/91

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 402.985+/-0.117 χ^2/NDF: 5709668.1/18

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 434.638+/-0.116 χ^2/NDF: 7231996.5/24

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

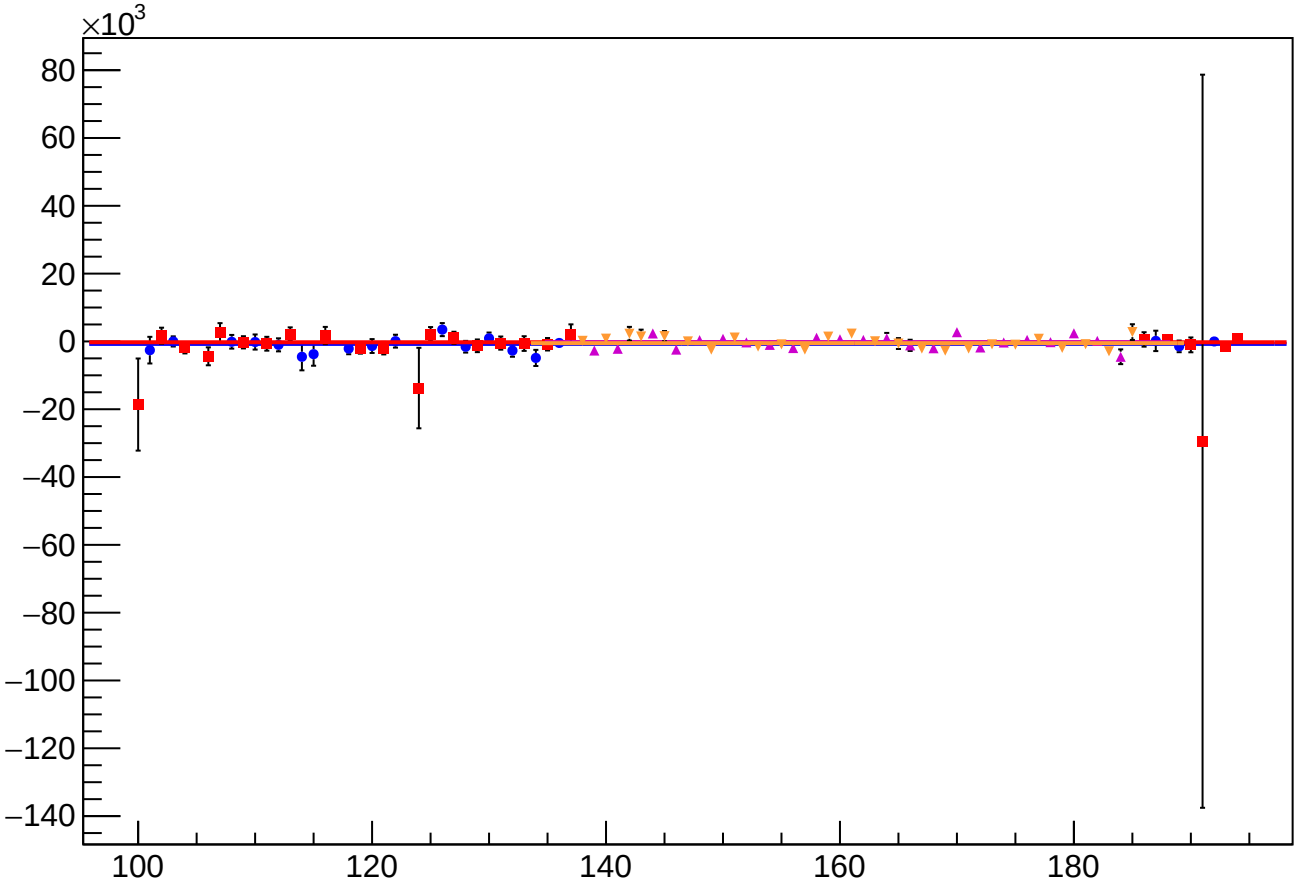
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 418.943+/-0.082 χ^2/NDF: 12978586.7/43

In: 290.777+/-0.044 χ^2/NDF:9668792.5/41

Out: 289.198+/-0.043 χ^2/NDF:13681581.1/49

All: 289.967+/-0.031 χ^2/NDF: 23351037.9/91



Right In: -731.684+/-436.629 χ^2/NDF: 14.0/18

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -245.473+/-400.948 χ^2/NDF: 17.9/24

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

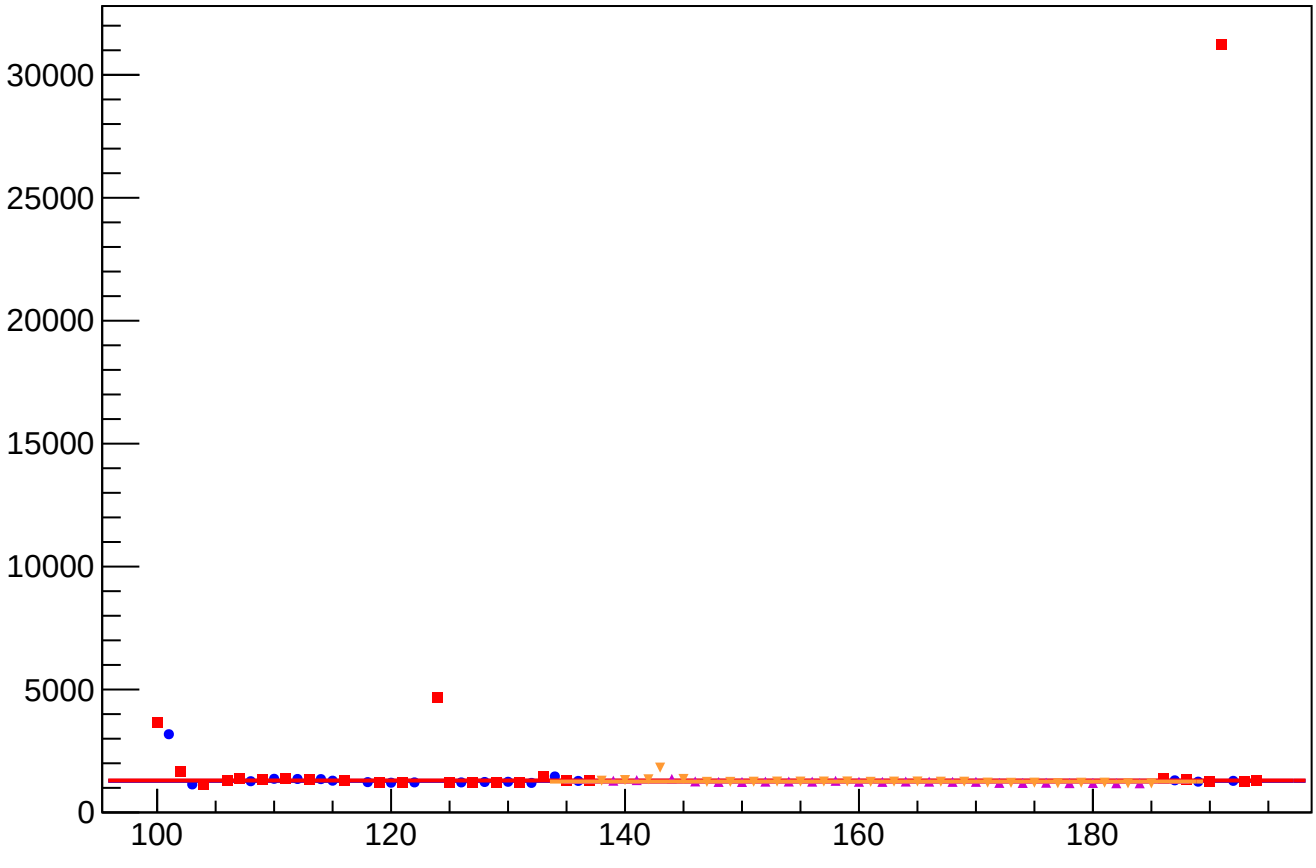
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -467.903+/-295.323 χ^2/NDF: 32.5/43

In: -393.188+/-242.244 χ^2/NDF:46.9/41

Out: -423.754+/-232.805 χ^2/NDF:49.1/49

All: -409.078+/-167.856 χ^2/NDF: 96.0/91



Right In: 1284.287+/-0.309 χ^2/NDF: 518952.8/18

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1300.176+/-0.284 χ^2/NDF: 488857.4/24

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

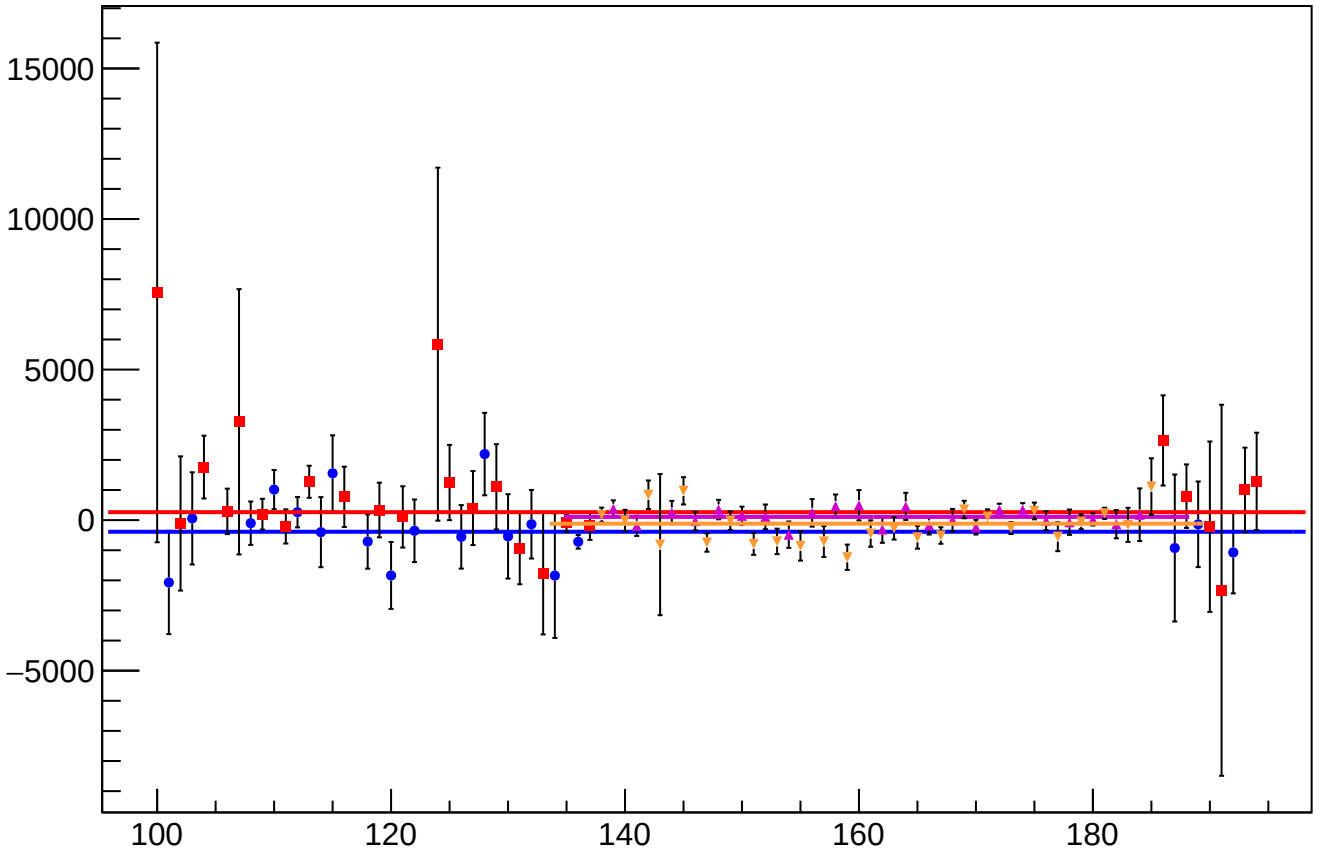
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1292.907+/-0.209 χ^2/NDF: 1009246.9/43

In: 1258.031+/-0.171 χ^2/NDF:569258.6/41

Out: 1270.571+/-0.165 χ^2/NDF:708430.7/49

All: 1264.550+/-0.119 χ^2/NDF: 1280475.7/91



Right In: -386.362+/-165.432 χ^2/NDF: 18.3/18

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 264.609+/-163.861 χ^2/NDF: 17.9/24

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

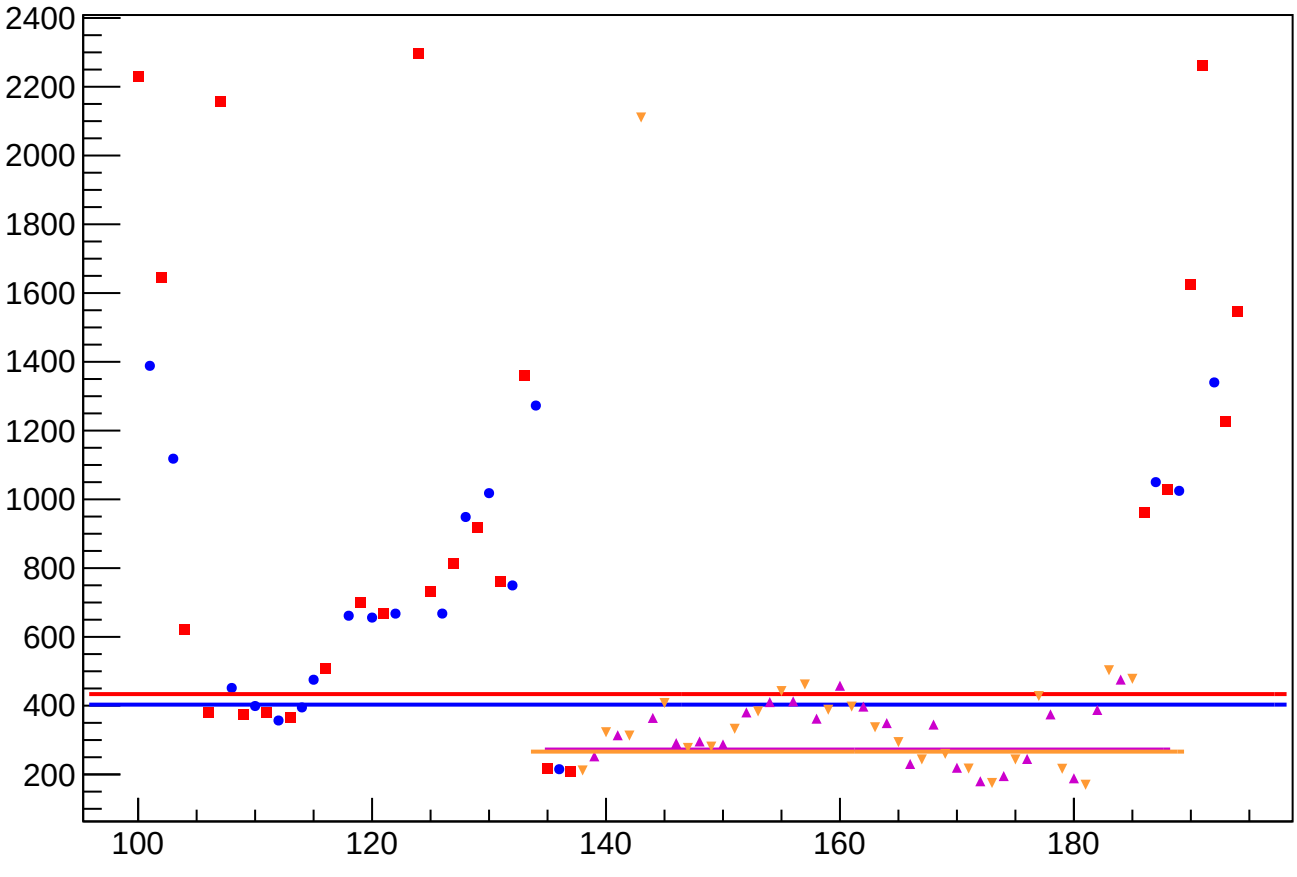
Right: -57.771+/-116.419 χ^2/NDF: 43.9/43

In: 37.869+/-62.102 χ^2/NDF:39.7/41

Out: -65.035+/-60.468 χ^2/NDF:71.0/49

All: -14.955+/-43.324 χ^2/NDF: 112.0/91

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.982+/-0.117 χ^2/NDF: 5712832.6/18

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 433.646+/-0.116 χ^2/NDF: 7244776.3/24

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

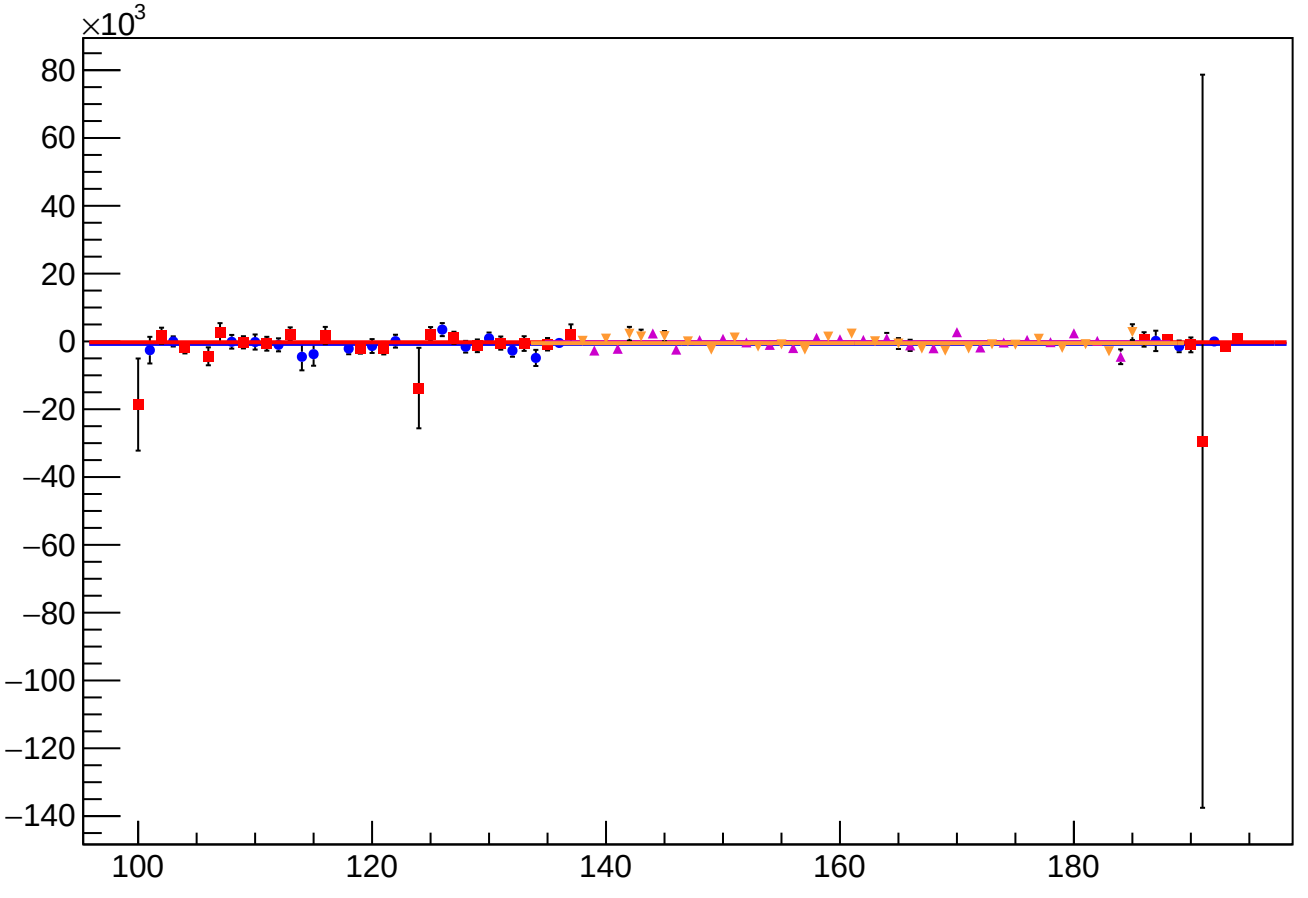
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 418.460+/-0.082 χ^2/NDF: 12992293.6/43

In: 290.783+/-0.044 χ^2/NDF:9671312.4/41

Out: 289.112+/-0.043 χ^2/NDF:13676294.6/49

All: 289.925+/-0.031 χ^2/NDF: 23348350.4/91



Right In: -731.684+/-436.629 χ^2/NDF: 14.0/18

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -245.473+/-400.948 χ^2/NDF: 17.9/24

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

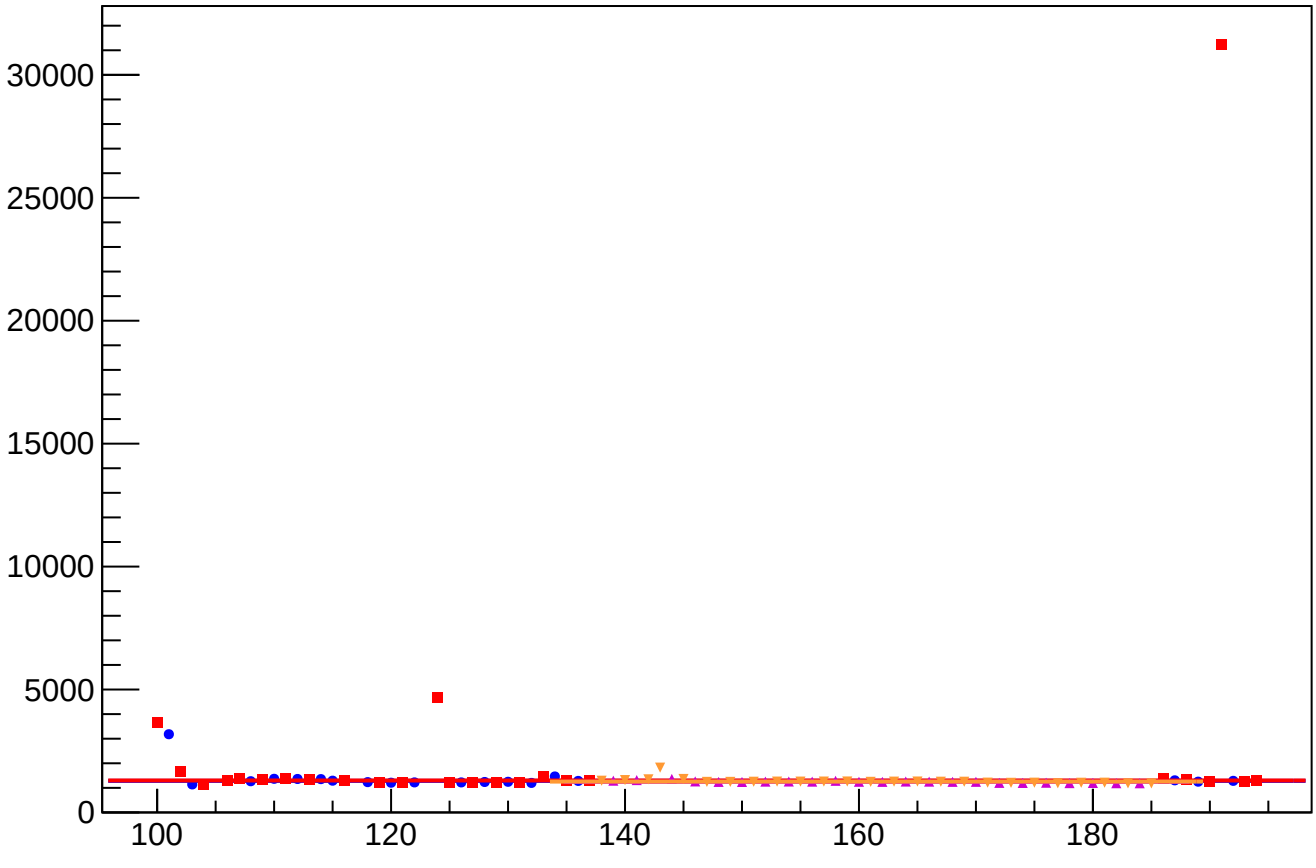
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -467.903+/-295.323 χ^2/NDF: 32.5/43

In: -393.188+/-242.244 χ^2/NDF:46.9/41

Out: -423.754+/-232.805 χ^2/NDF:49.1/49

All: -409.078+/-167.856 χ^2/NDF: 96.0/91



Right In: 1284.287+/-0.309 χ^2/NDF: 518952.8/18

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1300.176+/-0.284 χ^2/NDF: 488857.4/24

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

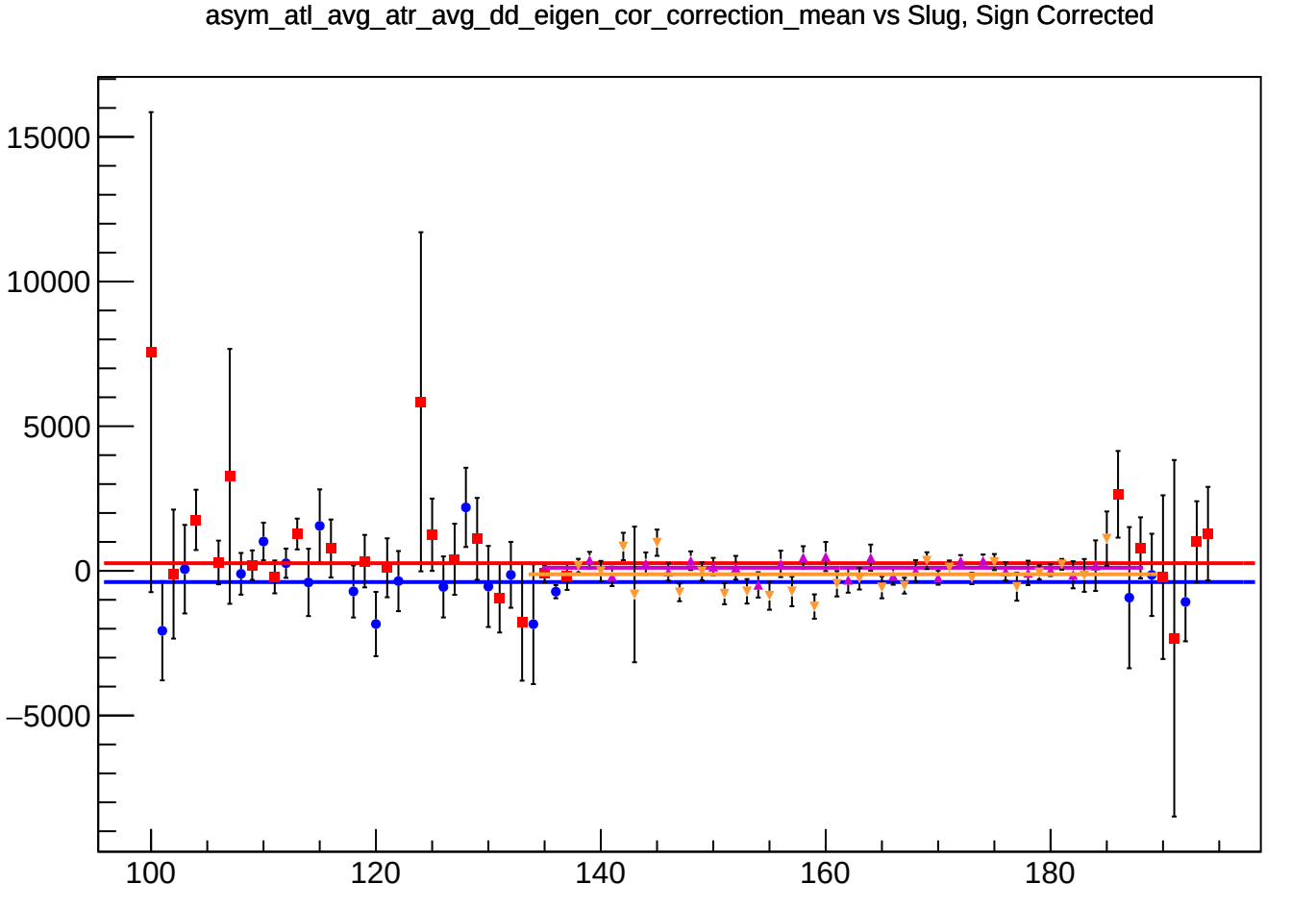
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1292.907+/-0.209 χ^2/NDF: 1009246.9/43

In: 1258.031+/-0.171 χ^2/NDF:569258.6/41

Out: 1270.571+/-0.165 χ^2/NDF:708430.7/49

All: 1264.550+/-0.119 χ^2/NDF: 1280475.7/91



Right In: -386.362+/-165.432 χ^2/NDF: 18.3/18

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 264.609+/-163.861 χ^2/NDF: 17.9/24

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

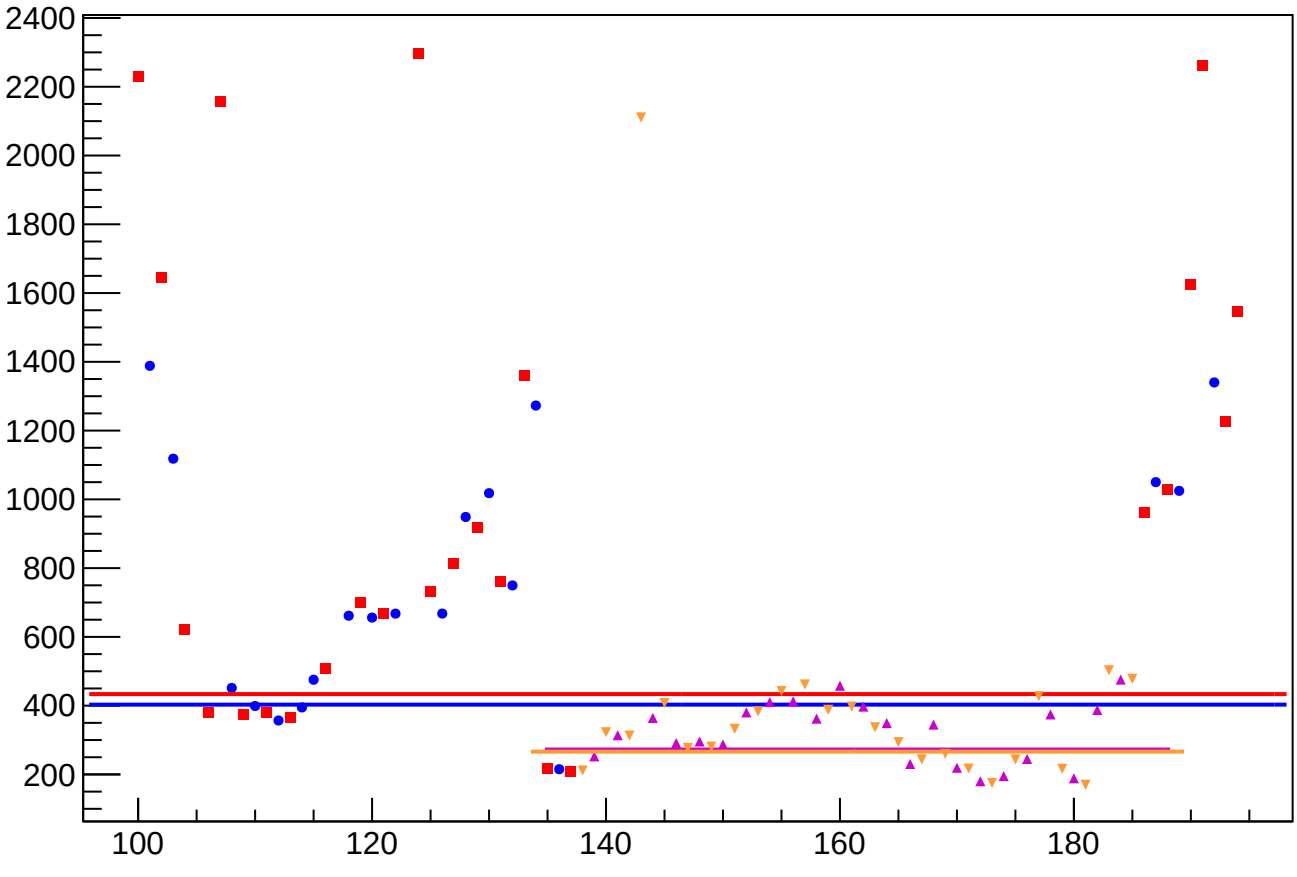
Right: -57.771+/-116.419 χ^2/NDF: 43.9/43

In: 37.869+/-62.102 χ^2/NDF:39.7/41

Out: -65.035+/-60.468 χ^2/NDF:71.0/49

All: -14.955+/-43.324 χ^2/NDF: 112.0/91

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.982+/-0.117 χ^2/NDF: 5712832.6/18

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 433.646+/-0.116 χ^2/NDF: 7244776.3/24

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

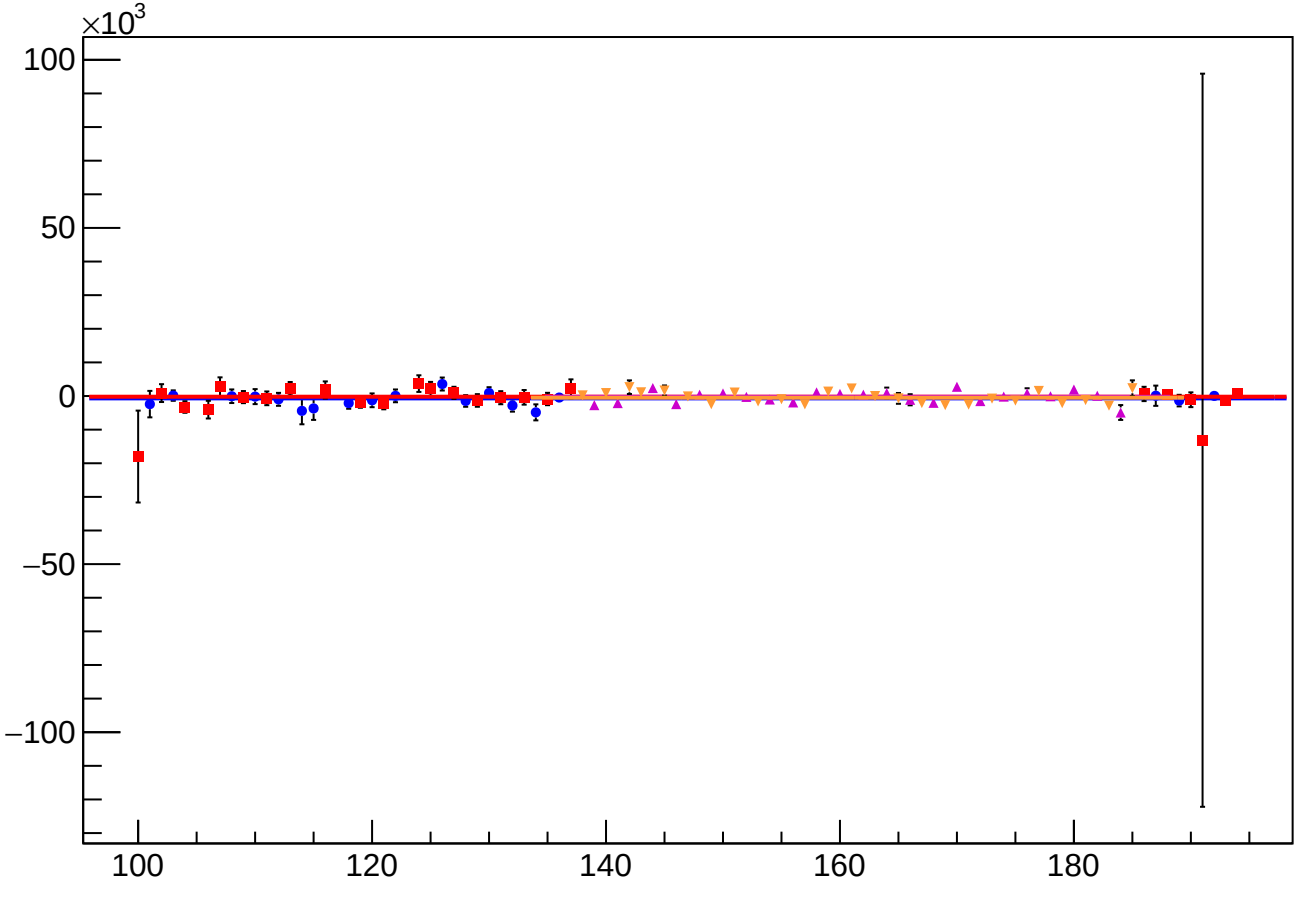
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 418.460+/-0.082 χ^2/NDF: 12992293.6/43

In: 290.783+/-0.044 χ^2/NDF:9671312.4/41

Out: 289.112+/-0.043 χ^2/NDF:13676294.6/49

All: 289.925+/-0.031 χ^2/NDF: 23348350.4/91



Right In: -700.660+/-438.379 χ^2/NDF: 14.2/18

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -206.473+/-399.026 χ^2/NDF: 19.8/24

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

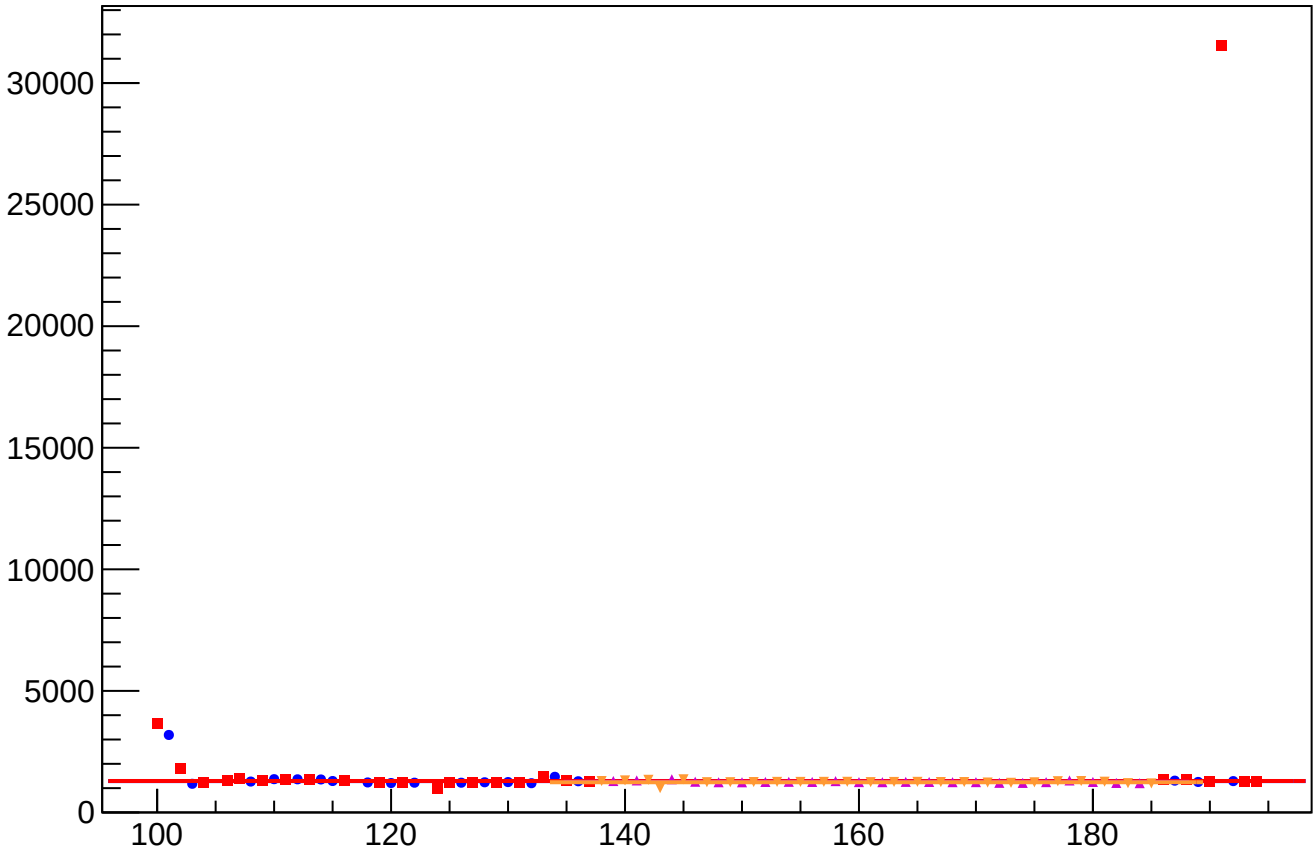
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -430.394+/-295.088 χ^2/NDF: 34.7/43

In: -384.523+/-244.367 χ^2/NDF:45.6/41

Out: -397.519+/-230.693 χ^2/NDF:54.4/49

All: -391.395+/-167.751 χ^2/NDF: 100.0/91



Right In: 1289.643+/-0.310 χ^2/NDF: 510361.1/18

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1294.248+/-0.282 χ^2/NDF: 371977.9/24

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

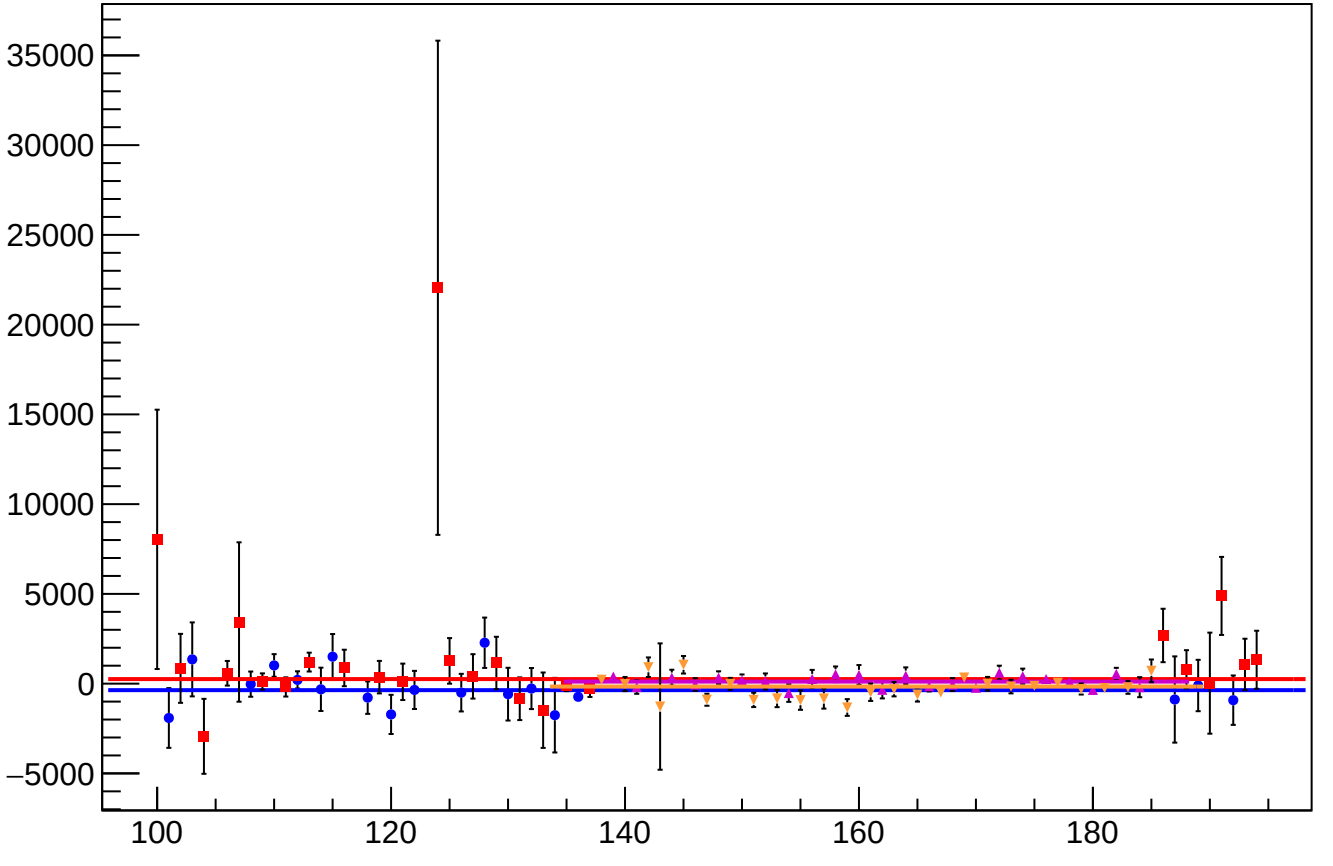
Right: 1292.162+/-0.209 χ^2/NDF: 882459.7/43

In: 1269.276+/-0.173 χ^2/NDF:544556.7/41

Out: 1259.823+/-0.163 χ^2/NDF:524361.1/49

All: 1264.277+/-0.119 χ^2/NDF: 1070500.3/91

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -362.710+/-167.122 χ^2/NDF: 18.7/18

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 254.066+/-163.779 χ^2/NDF: 24.4/24

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

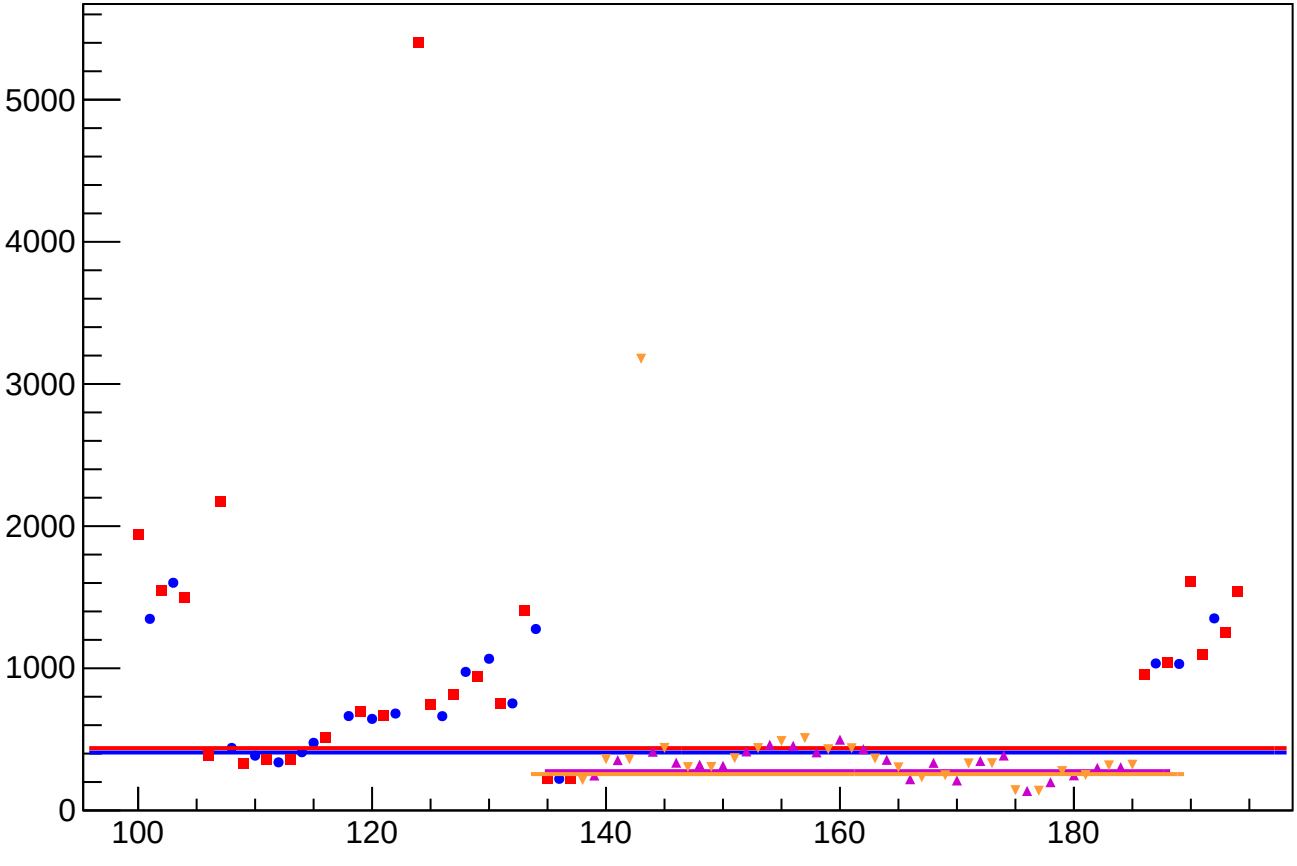
Right: -48.092+/-116.973 χ^2/NDF: 50.0/43

In: 44.609+/-63.652 χ^2/NDF:43.8/41

Out: -105.756+/-59.718 χ^2/NDF:73.7/49

All: -35.364+/-43.551 χ^2/NDF: 120.5/91

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 407.678+/-0.118 χ^2/NDF: 5821860.0/18

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 438.524+/-0.116 χ^2/NDF: 7753440.7/24

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

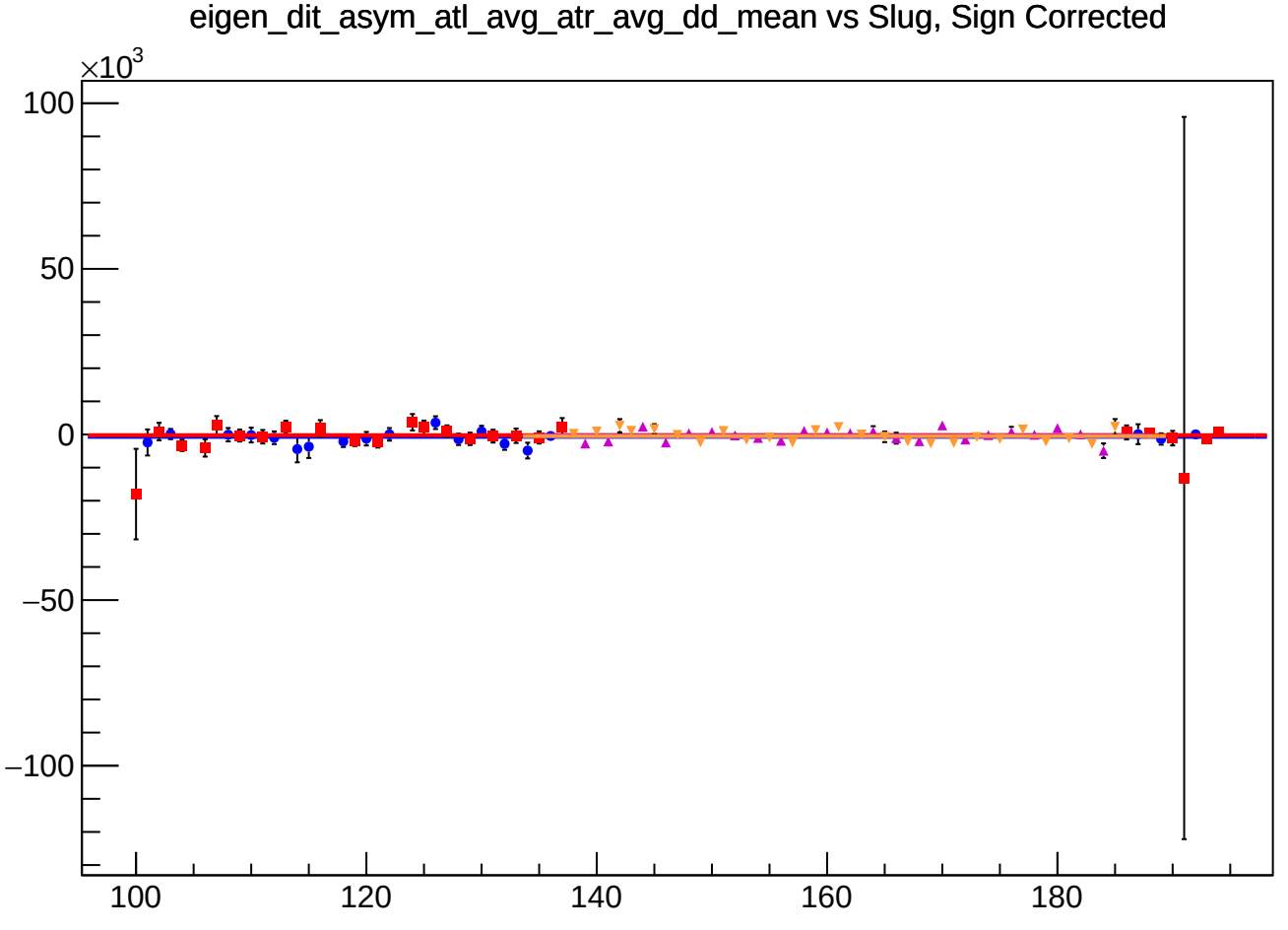
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 423.413+/-0.083 χ^2/NDF: 13610054.4/43

In: 295.357+/-0.045 χ^2/NDF:10905976.0/41

Out: 280.065+/-0.042 χ^2/NDF:16286591.4/49

All: 287.224+/-0.031 χ^2/NDF: 27253957.0/91



Right In: -700.662+/-438.379 χ^2/NDF: 14.2/18

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -206.473+/-399.026 χ^2/NDF: 19.8/24

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

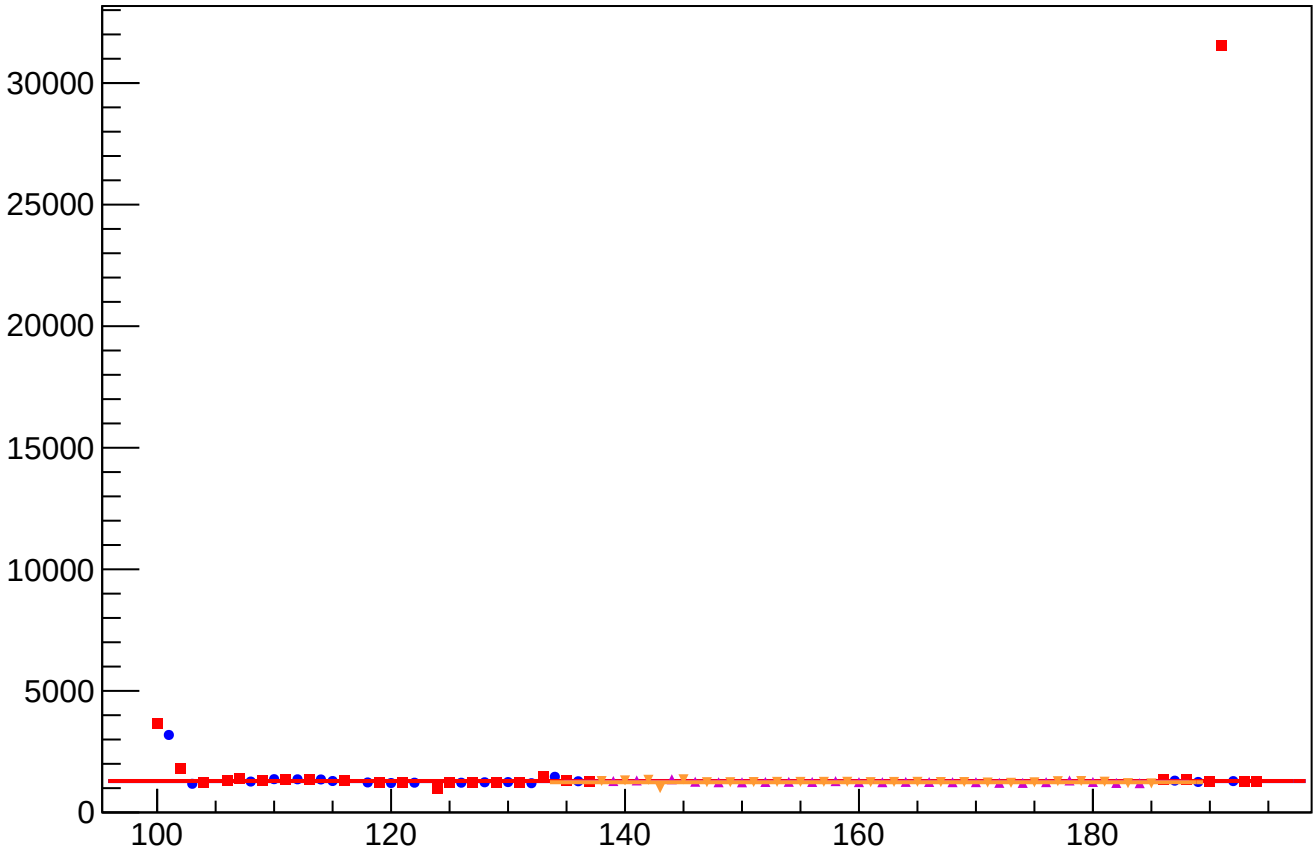
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -430.395+/-295.088 χ^2/NDF: 34.7/43

In: -384.524+/-244.367 χ^2/NDF:45.6/41

Out: -397.519+/-230.693 χ^2/NDF:54.4/49

All: -391.395+/-167.751 χ^2/NDF: 100.0/91



Right In: 1289.643+/-0.310 χ^2/NDF: 510361.1/18

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1294.248+/-0.282 χ^2/NDF: 371978.2/24

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

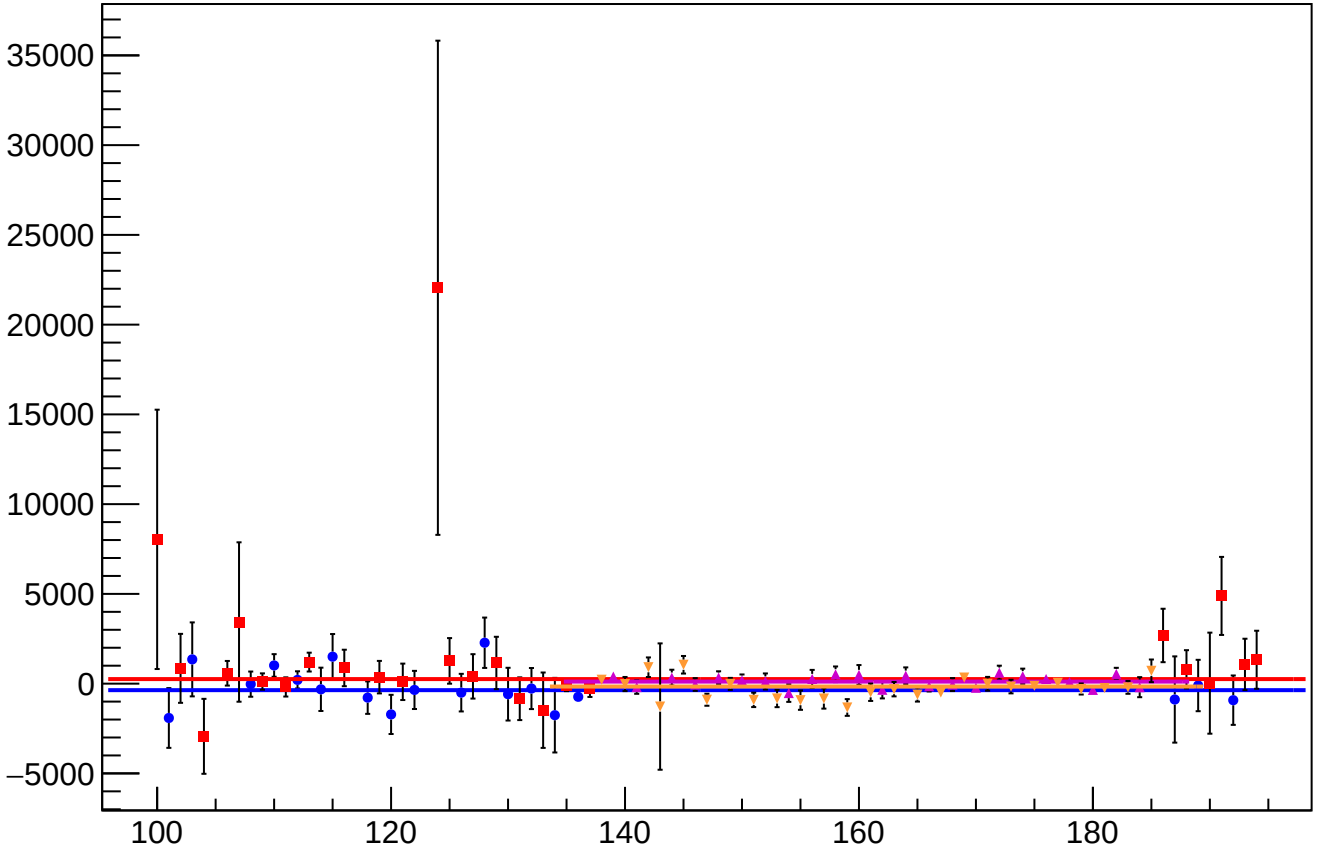
Right: 1292.162+/-0.209 χ^2/NDF: 882460.0/43

In: 1269.276+/-0.173 χ^2/NDF:544556.8/41

Out: 1259.823+/-0.163 χ^2/NDF:524360.5/49

All: 1264.277+/-0.119 χ^2/NDF: 1070499.7/91

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -362.710+/-167.125 χ^2/NDF: 18.7/18

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 254.074+/-163.781 χ^2/NDF: 24.4/24

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

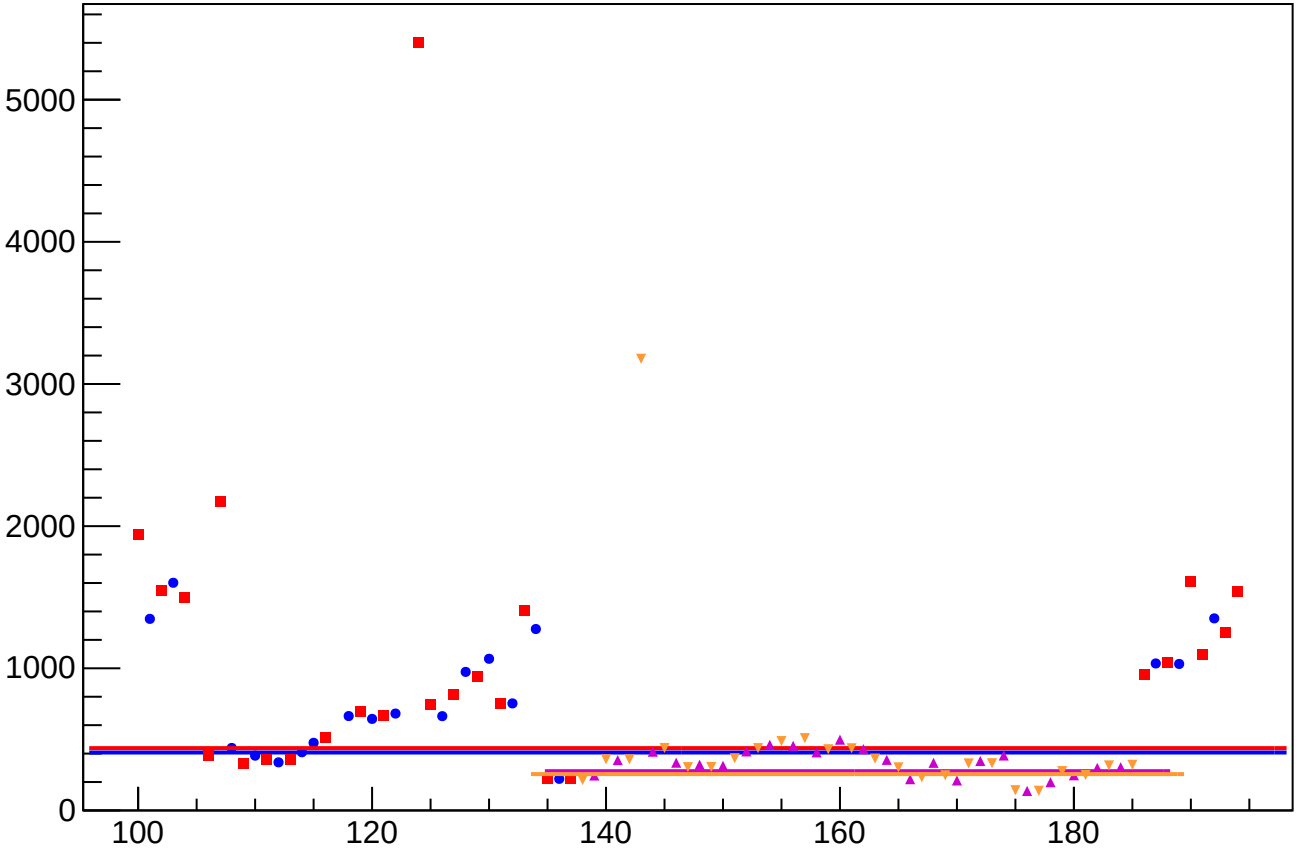
Right: -48.087+/-116.975 χ^2/NDF: 50.0/43

In: 44.610+/-63.652 χ^2/NDF:43.8/41

Out: -105.759+/-59.718 χ^2/NDF:73.7/49

All: -35.365+/-43.551 χ^2/NDF: 120.5/91

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 407.689+/-0.118 χ^2/NDF: 5821635.1/18

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 438.532+/-0.116 χ^2/NDF: 7753231.8/24

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

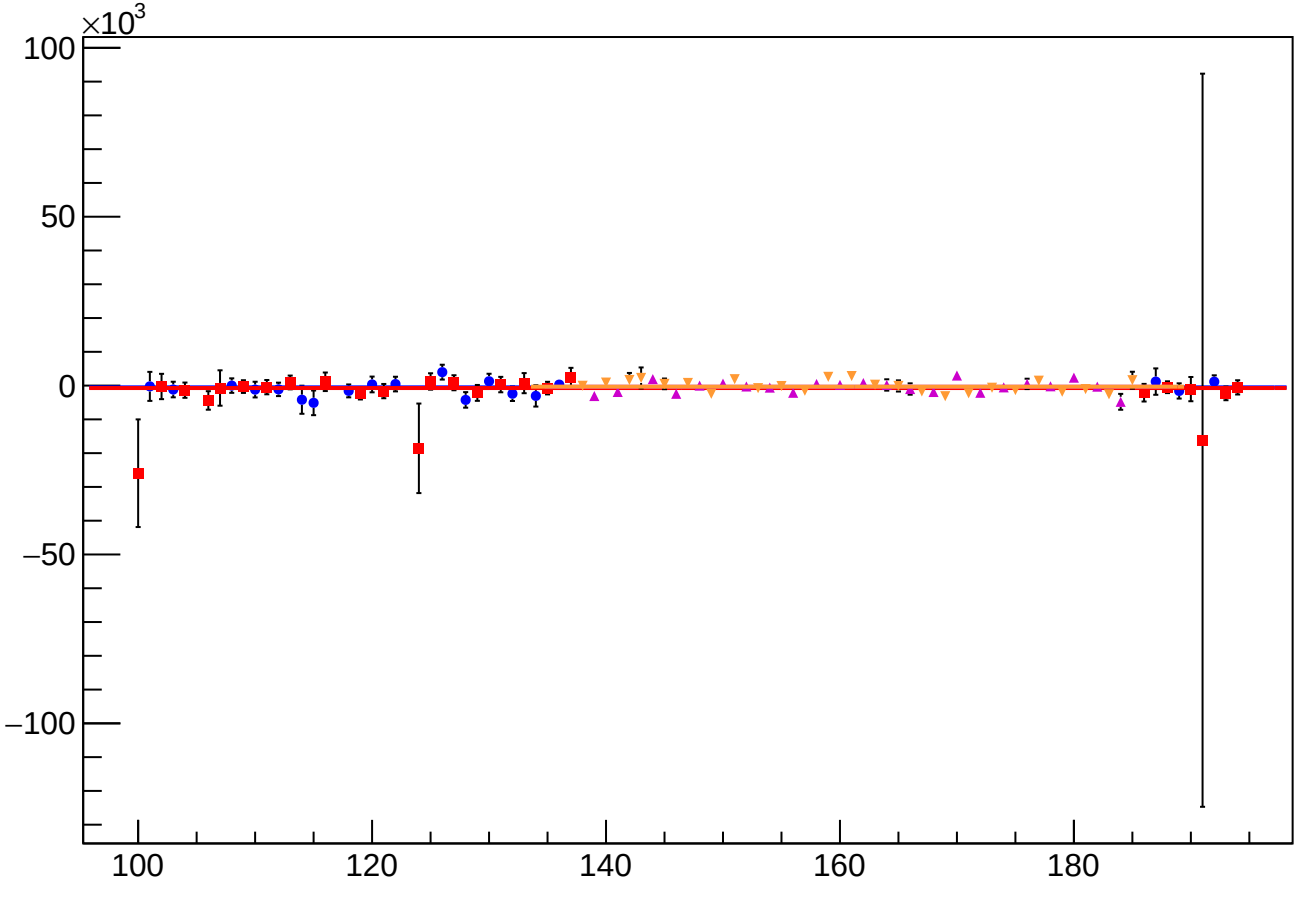
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 423.422+/-0.083 χ^2/NDF: 13609615.4/43

In: 295.358+/-0.045 χ^2/NDF:10905844.1/41

Out: 280.067+/-0.042 χ^2/NDF:16286409.1/49

All: 287.226+/-0.031 χ^2/NDF: 27253638.7/91



Right In: -521.591+/-521.116 χ^2/NDF: 13.7/18

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -724.004+/-491.743 χ^2/NDF: 12.3/24

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

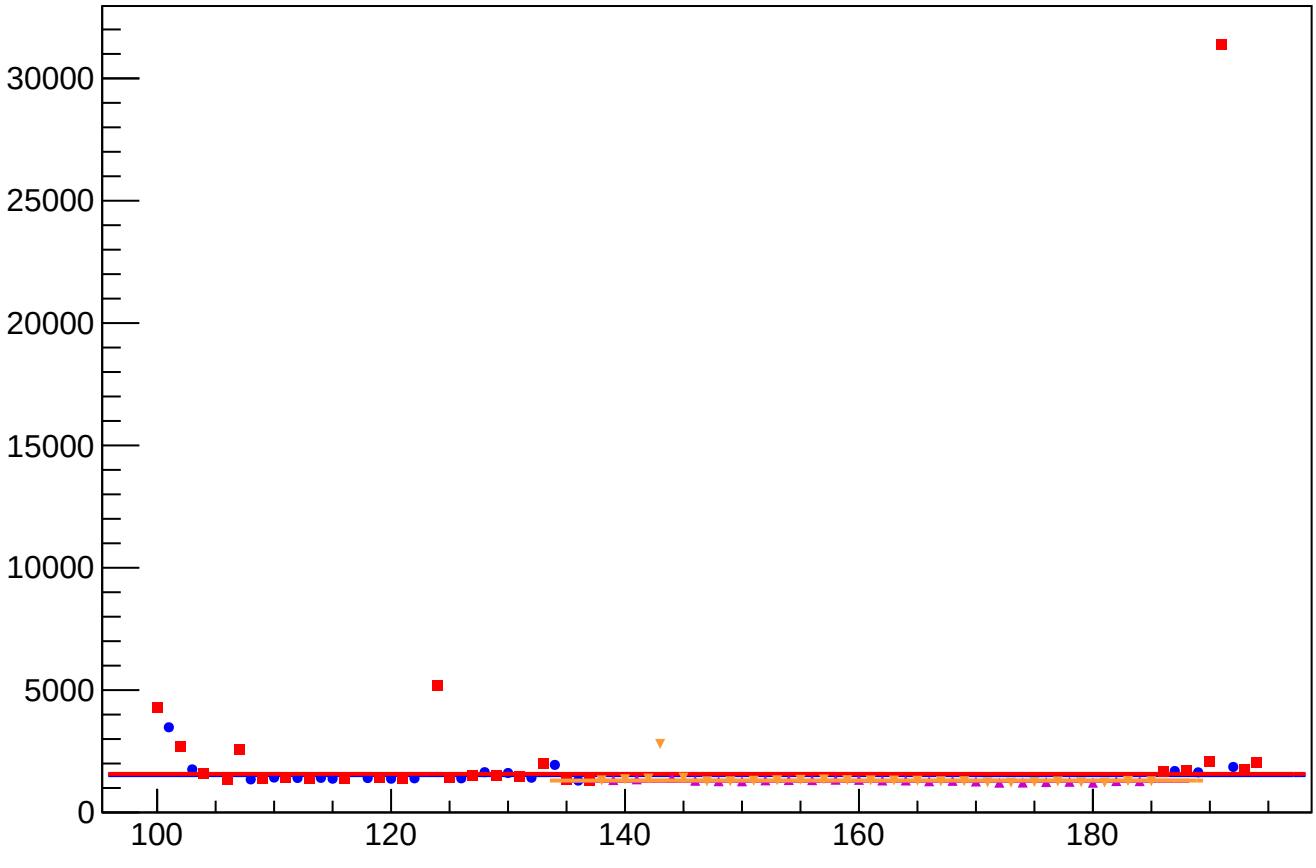
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -628.663+/-357.648 χ^2/NDF: 26.1/43

In: -397.901+/-261.230 χ^2/NDF:43.5/41

Out: -428.473+/-255.024 χ^2/NDF:44.4/49

All: -413.555+/-182.484 χ^2/NDF: 87.9/91



Right In: 1525.784+/-0.368 χ^2/NDF: 665922.3/18

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1576.180+/-0.348 χ^2/NDF: 975572.1/24

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

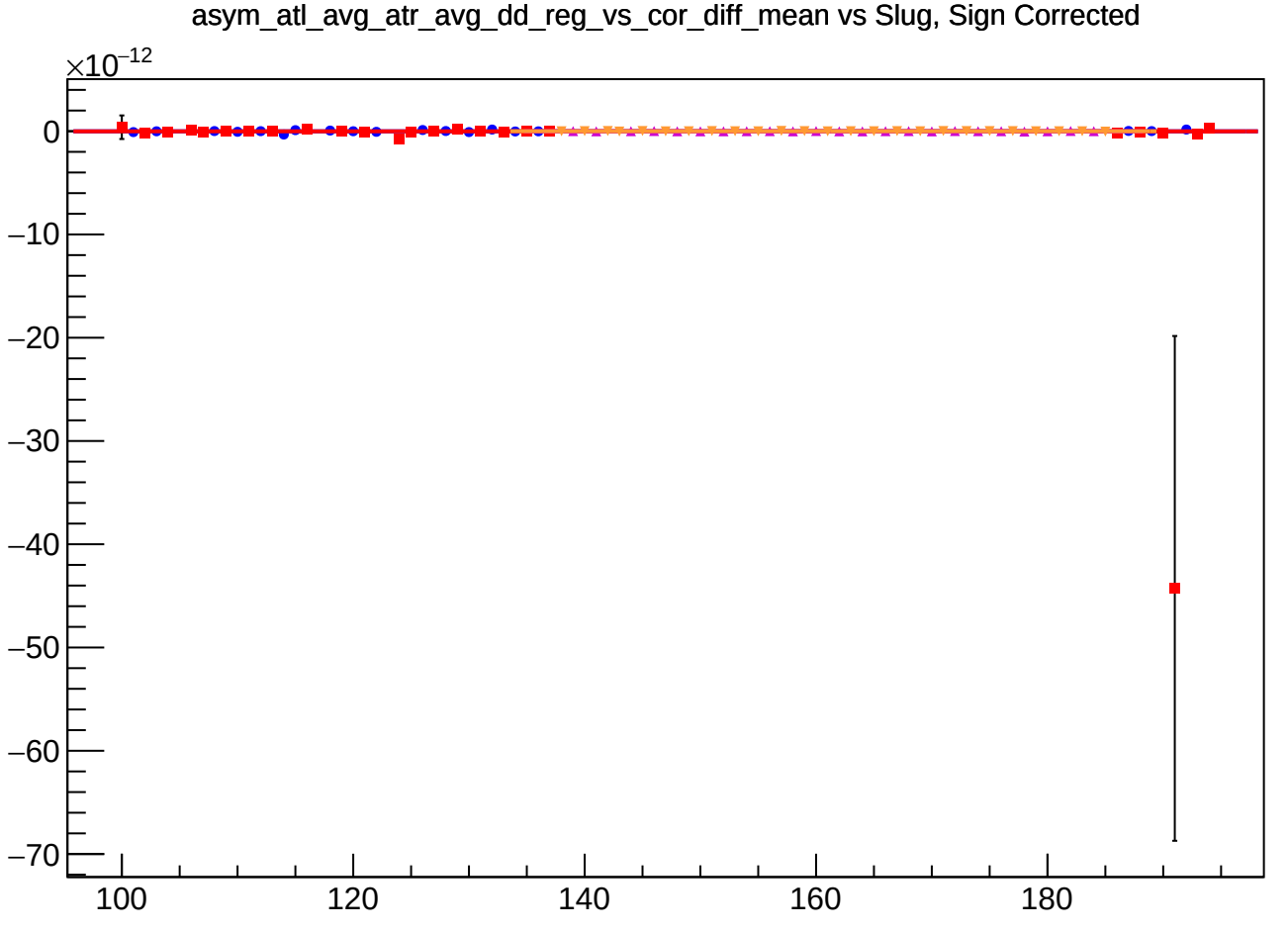
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1552.442+/-0.253 χ^2/NDF: 1651388.9/43

In: 1350.840+/-0.185 χ^2/NDF:1015320.4/41

Out: 1377.320+/-0.180 χ^2/NDF:1942596.5/49

All: 1364.398+/-0.129 χ^2/NDF: 2968439.0/91



Right In: -0.000+/-0.000 χ^2/NDF: 10.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.7/24

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

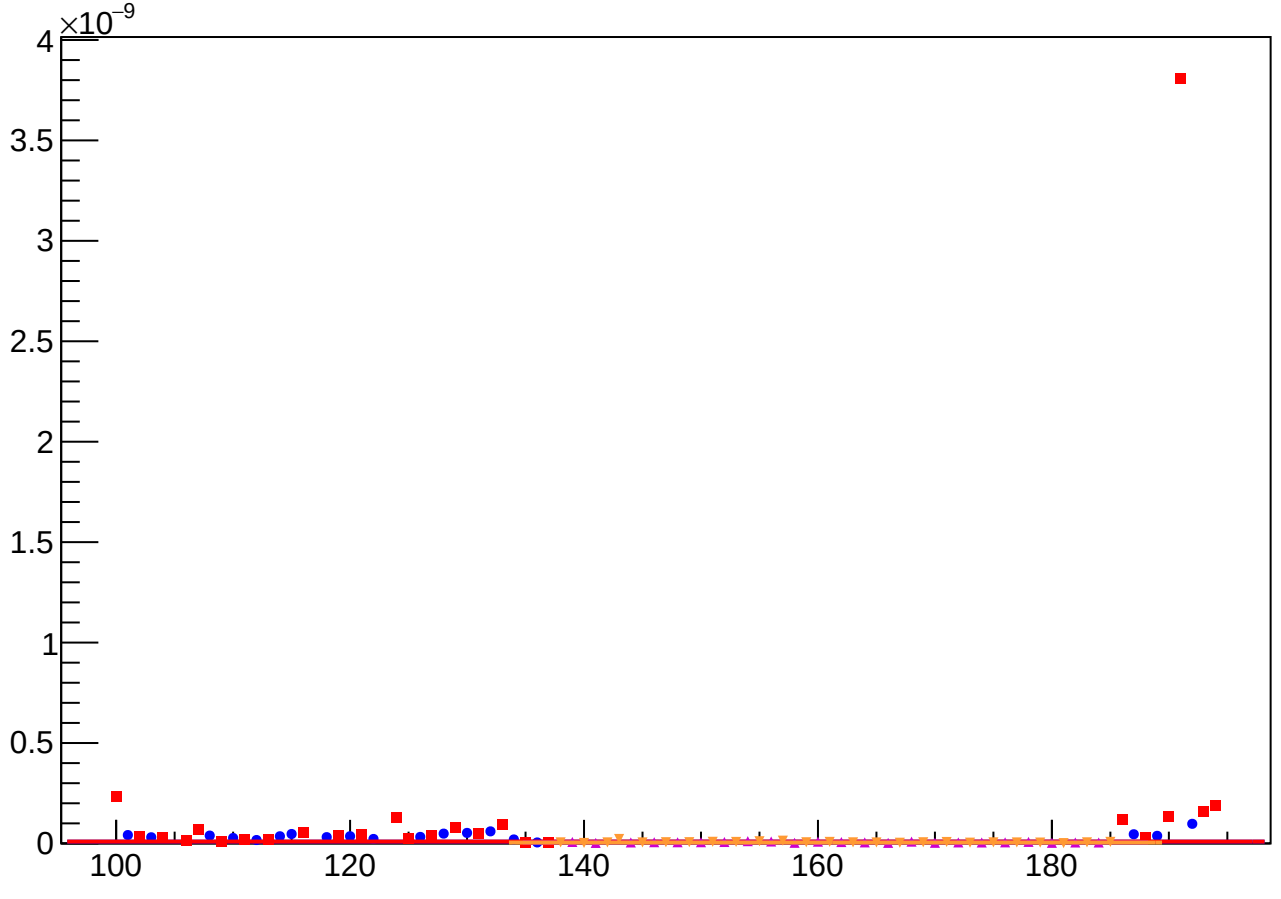
Right: -0.000+/-0.000 χ^2/NDF: 42.3/43

In: -0.000+/-0.000 χ^2/NDF:42.2/41

Out: -0.000+/-0.000 χ^2/NDF:58.5/49

All: -0.000+/-0.000 χ^2/NDF: 101.1/91

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3883043.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5914951.2/24

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

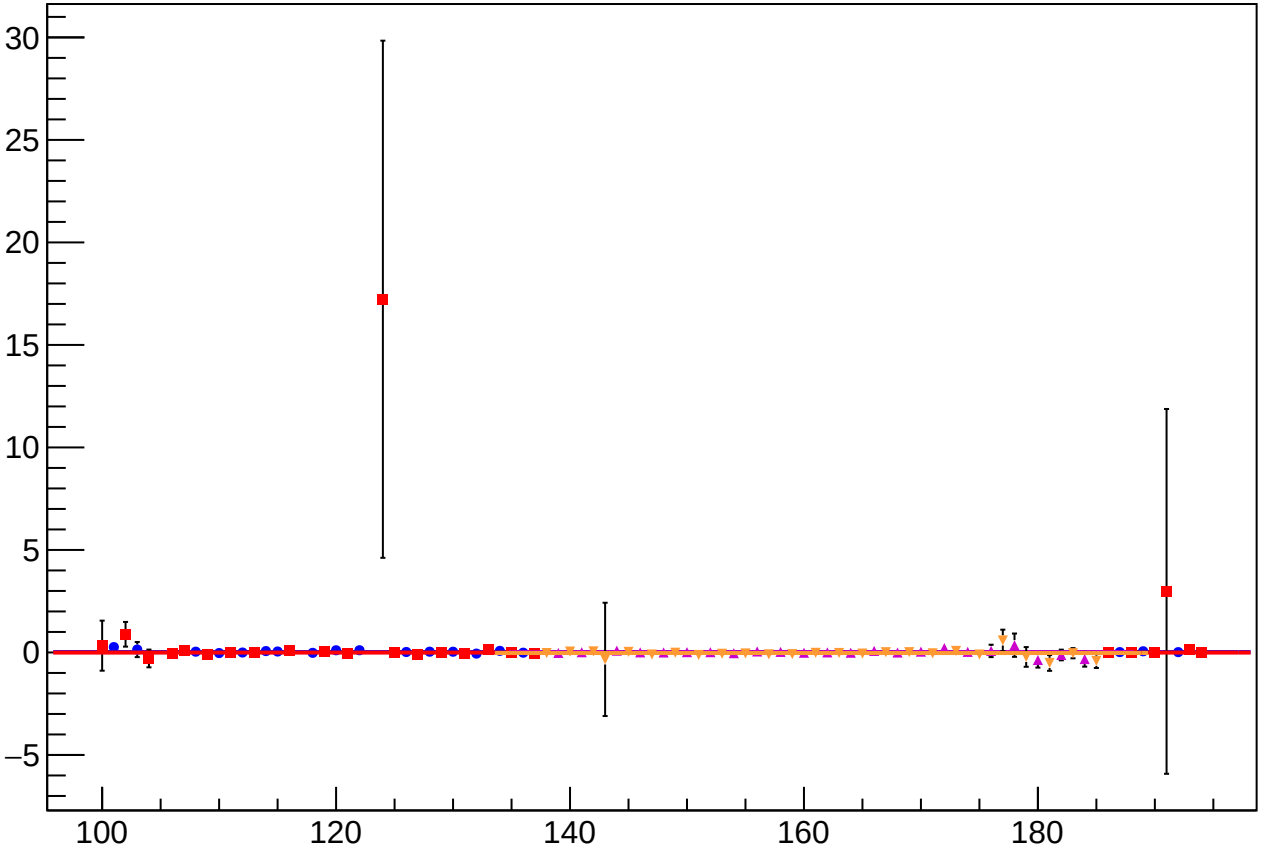
Right: 0.000+/-0.000 χ^2/NDF: 9804178.4/43

In: 0.000+/-0.000 χ^2/NDF:6314025.3/41

Out: 0.000+/-0.000 χ^2/NDF:9346577.5/49

All: 0.000+/-0.000 χ^2/NDF: 15685516.5/91

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.005+/-0.013 χ^2/NDF: 20.1/24

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

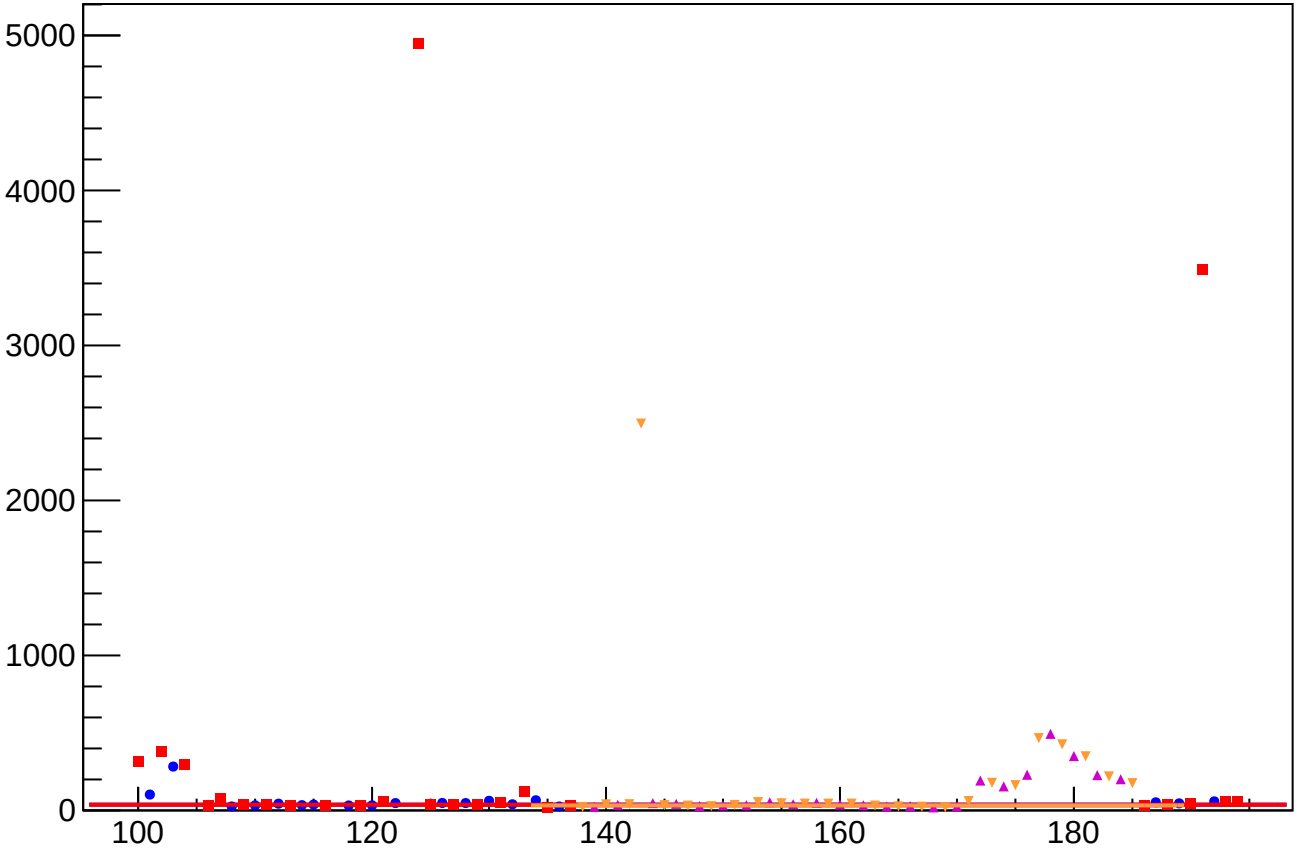
Right: 0.006+/-0.010 χ^2/NDF: 33.3/43

In: 0.013+/-0.008 χ^2/NDF:25.2/41

Out: -0.020+/-0.008 χ^2/NDF:50.1/49

All: -0.004+/-0.006 χ^2/NDF: 84.3/91

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.488+/-0.010 χ^2/NDF: 2544712.0/18

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 36.881+/-0.009 χ^2/NDF: 3779792.3/24

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

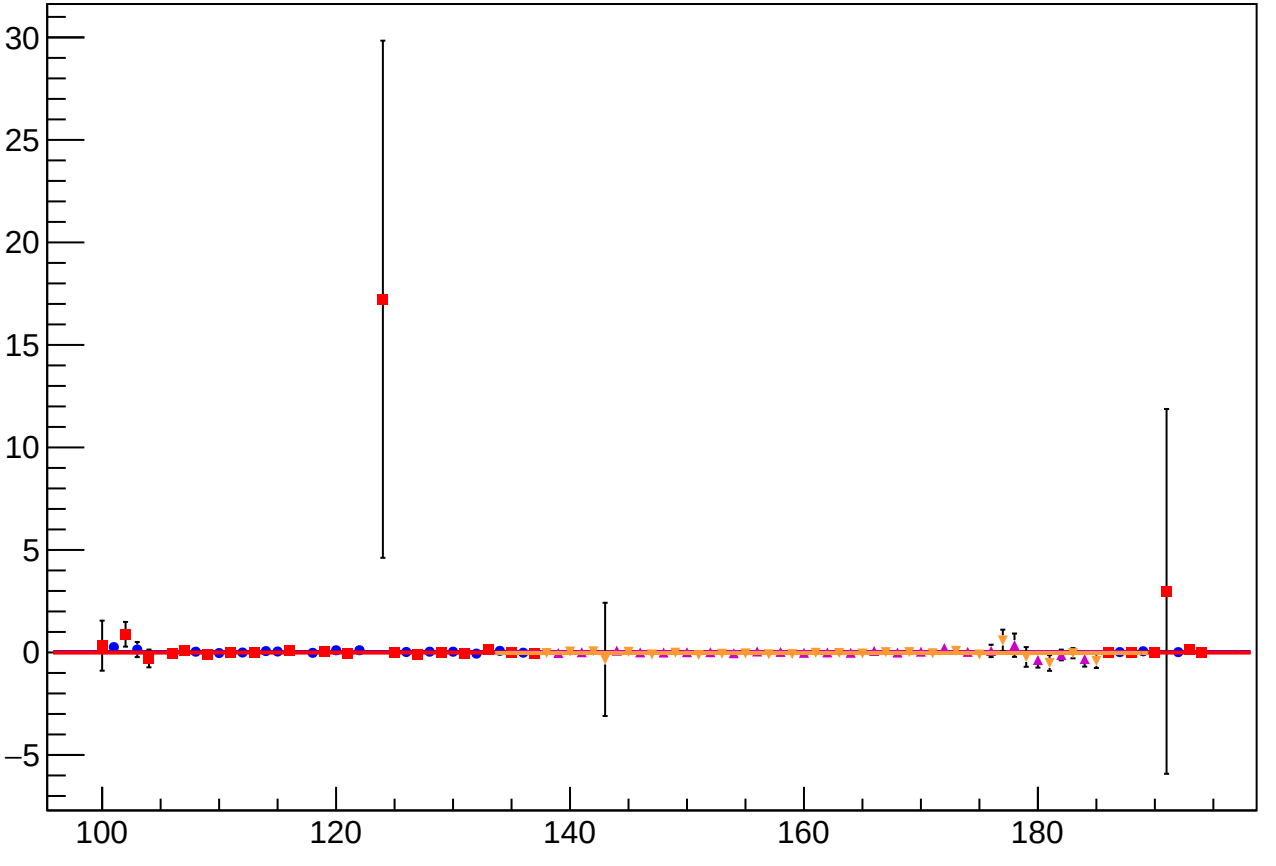
Right: 37.156+/-0.007 χ^2/NDF: 6326385.5/43

In: 34.149+/-0.006 χ^2/NDF:11656411.1/41

Out: 34.014+/-0.005 χ^2/NDF:14791458.8/49

All: 34.080+/-0.004 χ^2/NDF: 26448163.5/91

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.005+/-0.013 χ^2/NDF: 20.1/24

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

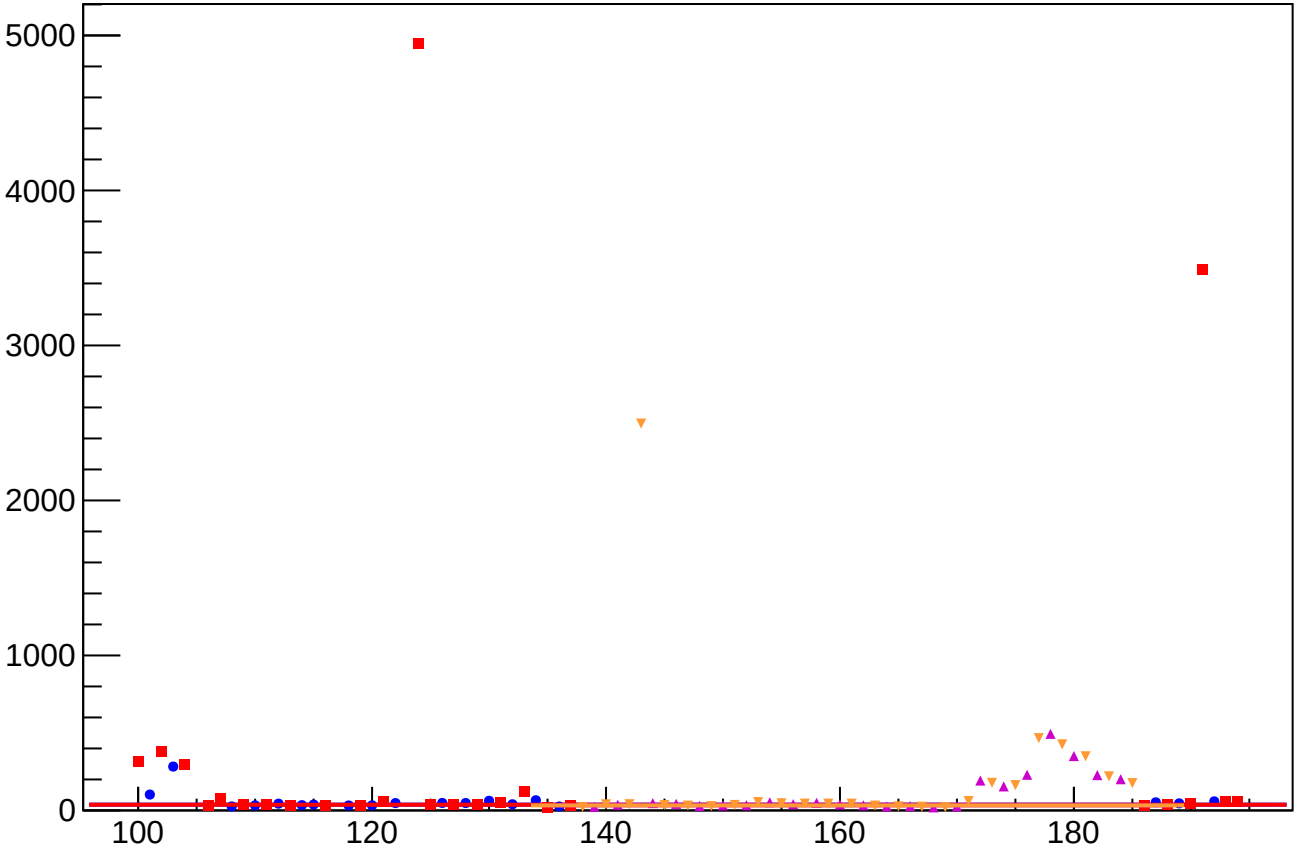
Right: 0.006+/-0.010 χ^2/NDF: 33.3/43

In: 0.013+/-0.008 χ^2/NDF:25.2/41

Out: -0.020+/-0.008 χ^2/NDF:50.1/49

All: -0.004+/-0.006 χ^2/NDF: 84.3/91

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.488+/-0.010 χ^2/NDF: 2544712.0/18

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 36.881+/-0.009 χ^2/NDF: 3779792.3/24

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

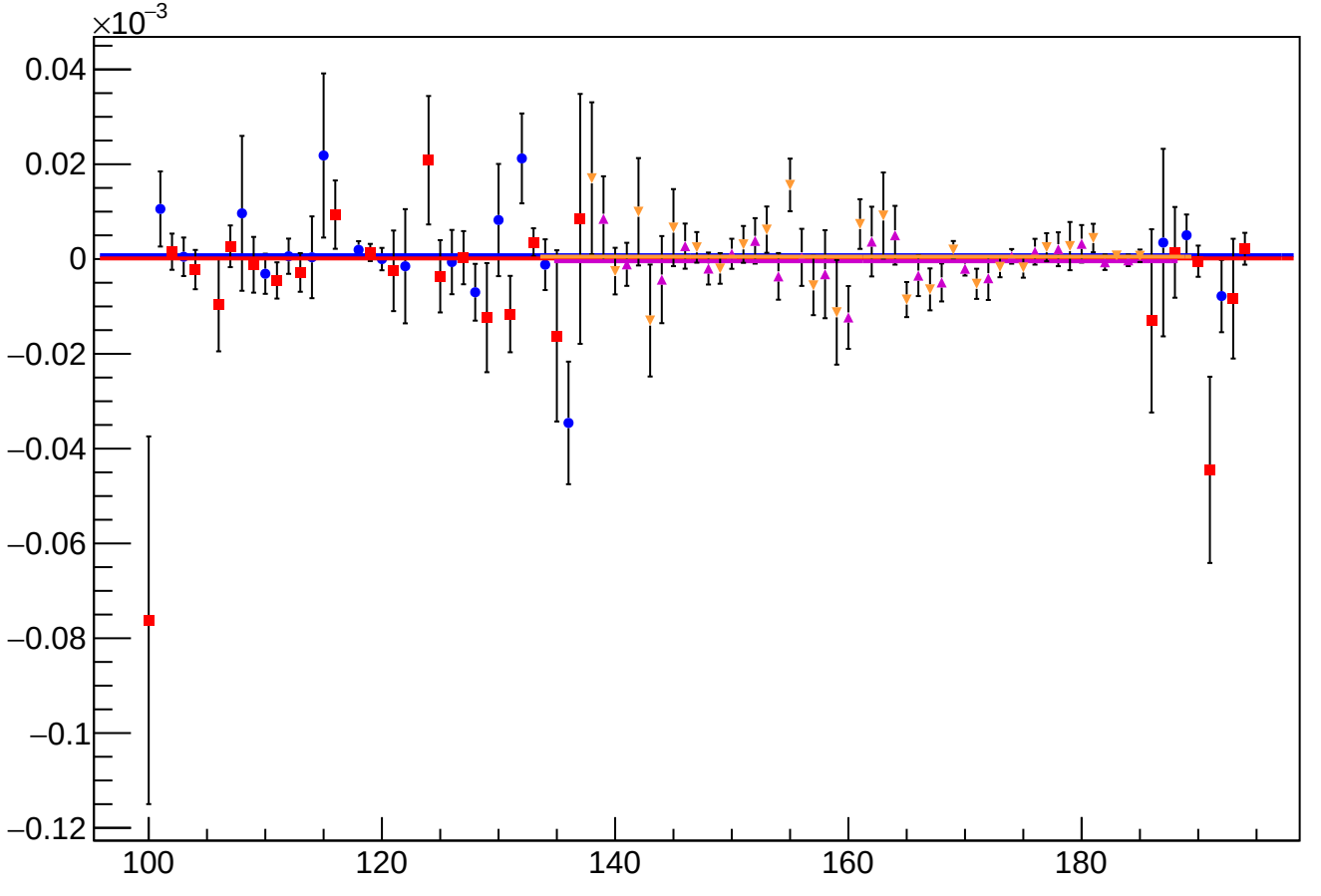
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 37.156+/-0.007 χ^2/NDF: 6326385.5/43

In: 34.149+/-0.006 χ^2/NDF:11656411.1/41

Out: 34.014+/-0.005 χ^2/NDF:14791458.8/49

All: 34.080+/-0.004 χ^2/NDF: 26448163.5/91



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/24

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

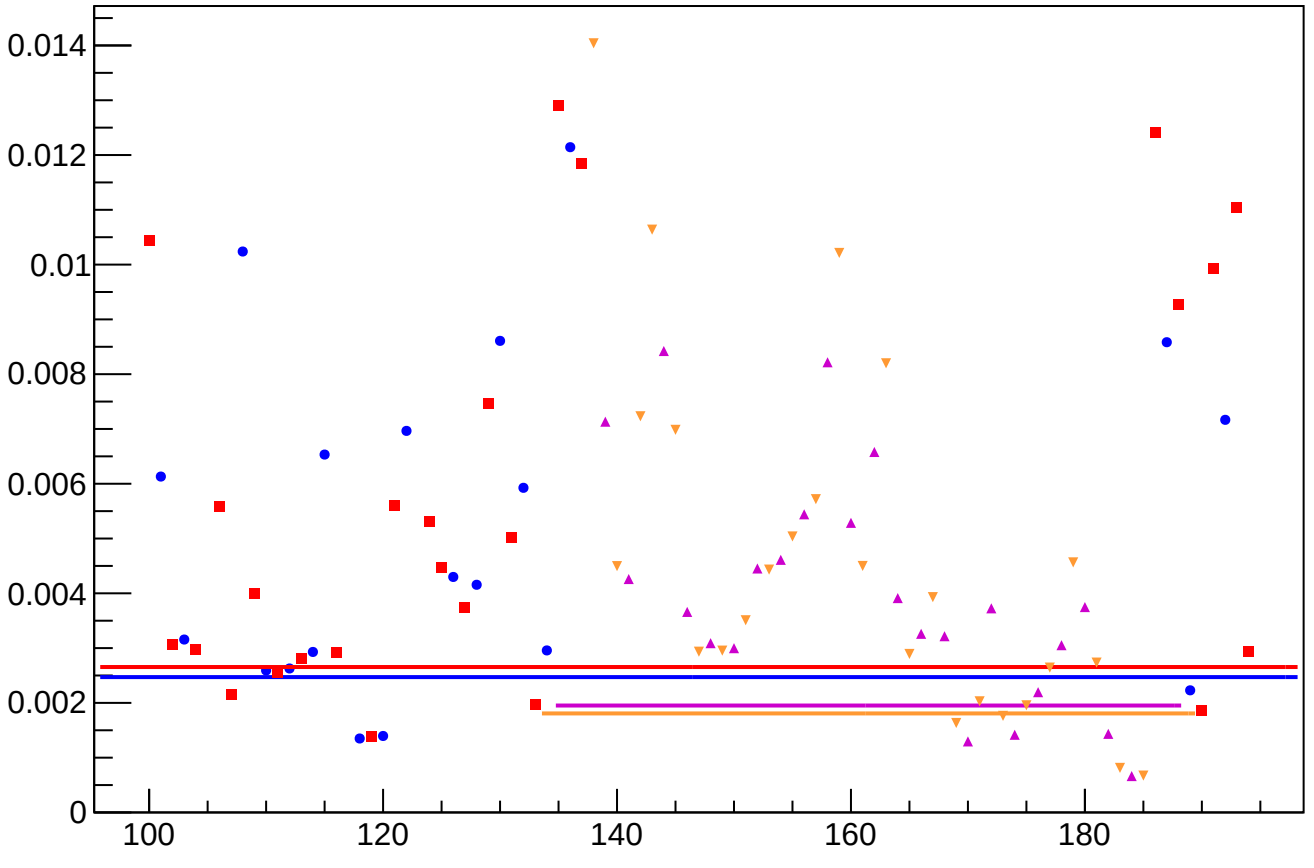
Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

Right: 0.000+/-0.000 χ^2/NDF: 46.1/43

In: -0.000+/-0.000 χ^2/NDF:36.1/41

Out: 0.000+/-0.000 χ^2/NDF:60.4/49

All: 0.000+/-0.000 χ^2/NDF: 97.2/91



Right In: 0.002+/-0.000 χ^2/NDF: 5694208.4/18

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6184135.6/24

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

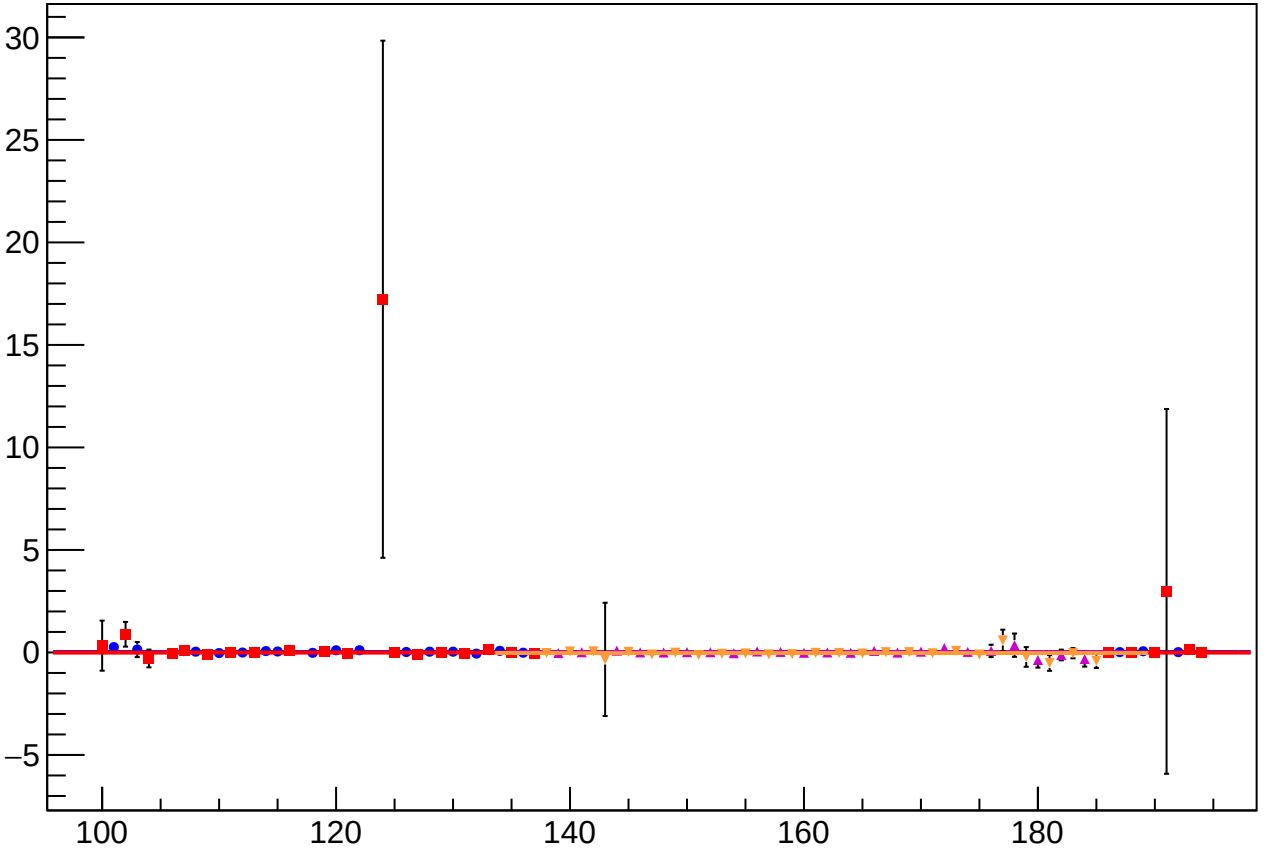
Right: 0.003+/-0.000 χ^2/NDF: 11911371.7/43

In: 0.002+/-0.000 χ^2/NDF:17539062.1/41

Out: 0.002+/-0.000 χ^2/NDF:22301994.9/49

All: 0.002+/-0.000 χ^2/NDF: 39855122.5/91

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.005+/-0.013 χ^2/NDF: 20.1/24

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

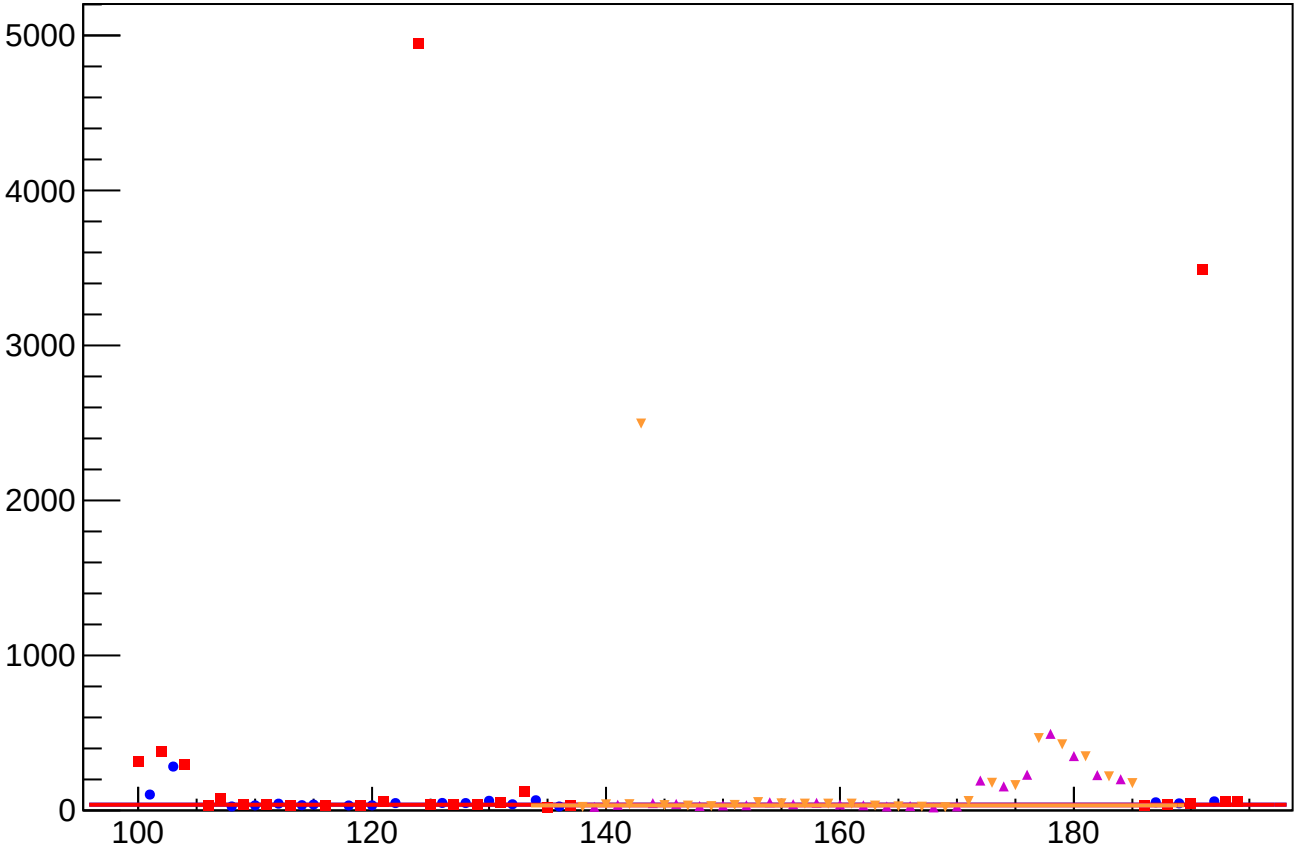
Right: 0.006+/-0.010 χ^2/NDF: 33.3/43

In: 0.013+/-0.008 χ^2/NDF:25.2/41

Out: -0.020+/-0.008 χ^2/NDF:50.1/49

All: -0.004+/-0.006 χ^2/NDF: 84.3/91

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.489+/-0.010 χ^2/NDF: 2544334.6/18

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 36.882+/-0.009 χ^2/NDF: 3779547.2/24

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

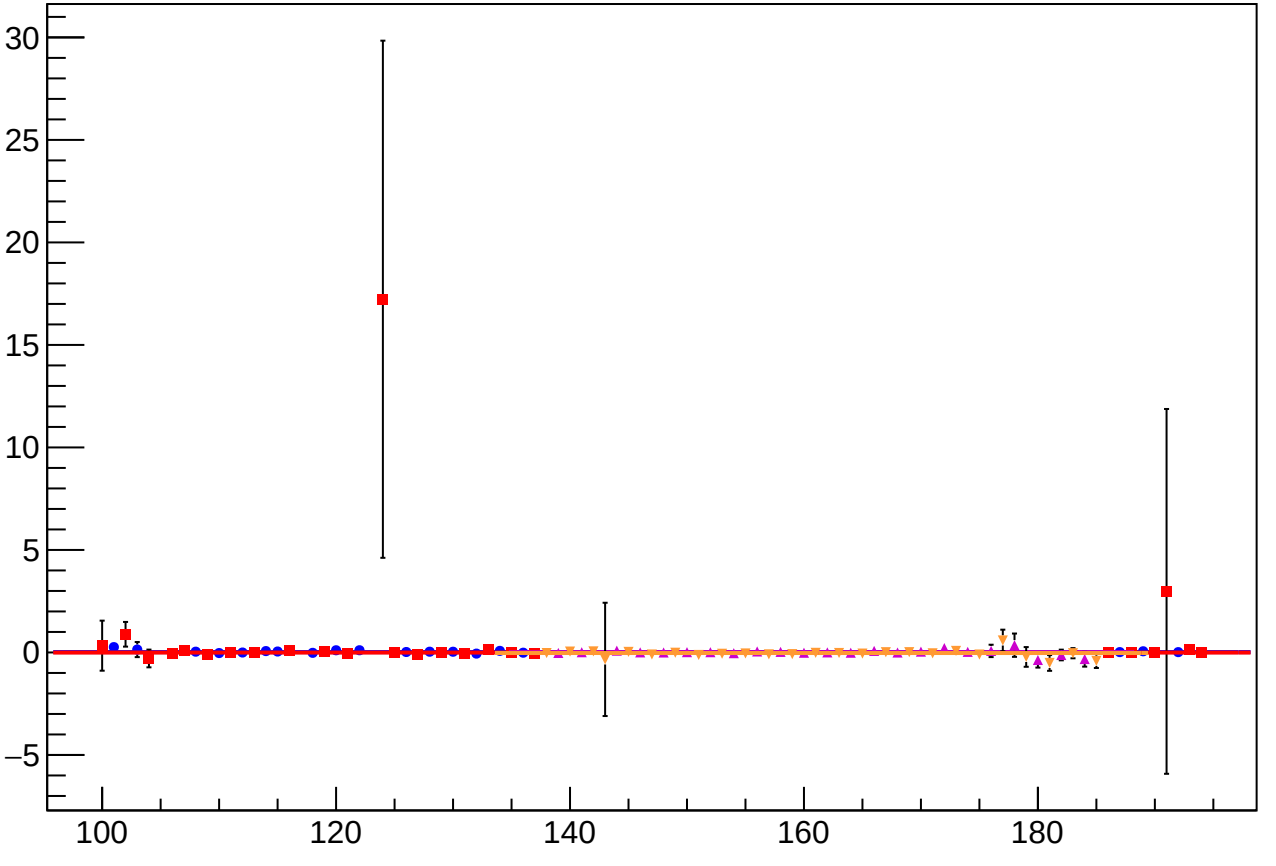
Right: 37.157+/-0.007 χ^2/NDF: 6325770.1/43

In: 34.148+/-0.006 χ^2/NDF:11656832.1/41

Out: 34.014+/-0.005 χ^2/NDF:14791500.0/49

All: 34.079+/-0.004 χ^2/NDF: 26448623.5/91

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.005+/-0.013 χ^2/NDF: 20.1/24

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

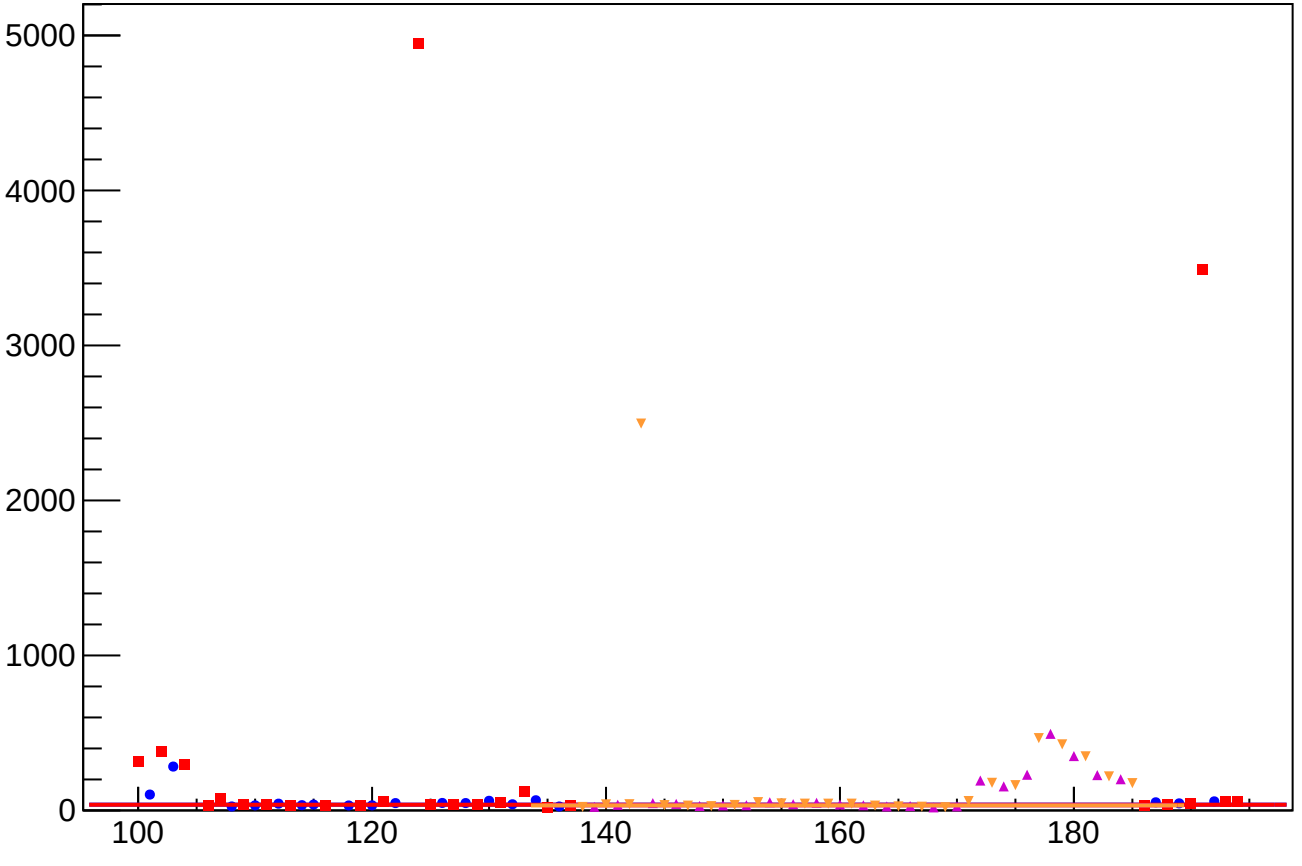
Right: 0.006+/-0.010 χ^2/NDF: 33.3/43

In: 0.013+/-0.008 χ^2/NDF:25.2/41

Out: -0.020+/-0.008 χ^2/NDF:50.1/49

All: -0.004+/-0.006 χ^2/NDF: 84.3/91

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.489+/-0.010 χ^2/NDF: 2544334.6/18

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 36.882+/-0.009 χ^2/NDF: 3779547.2/24

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

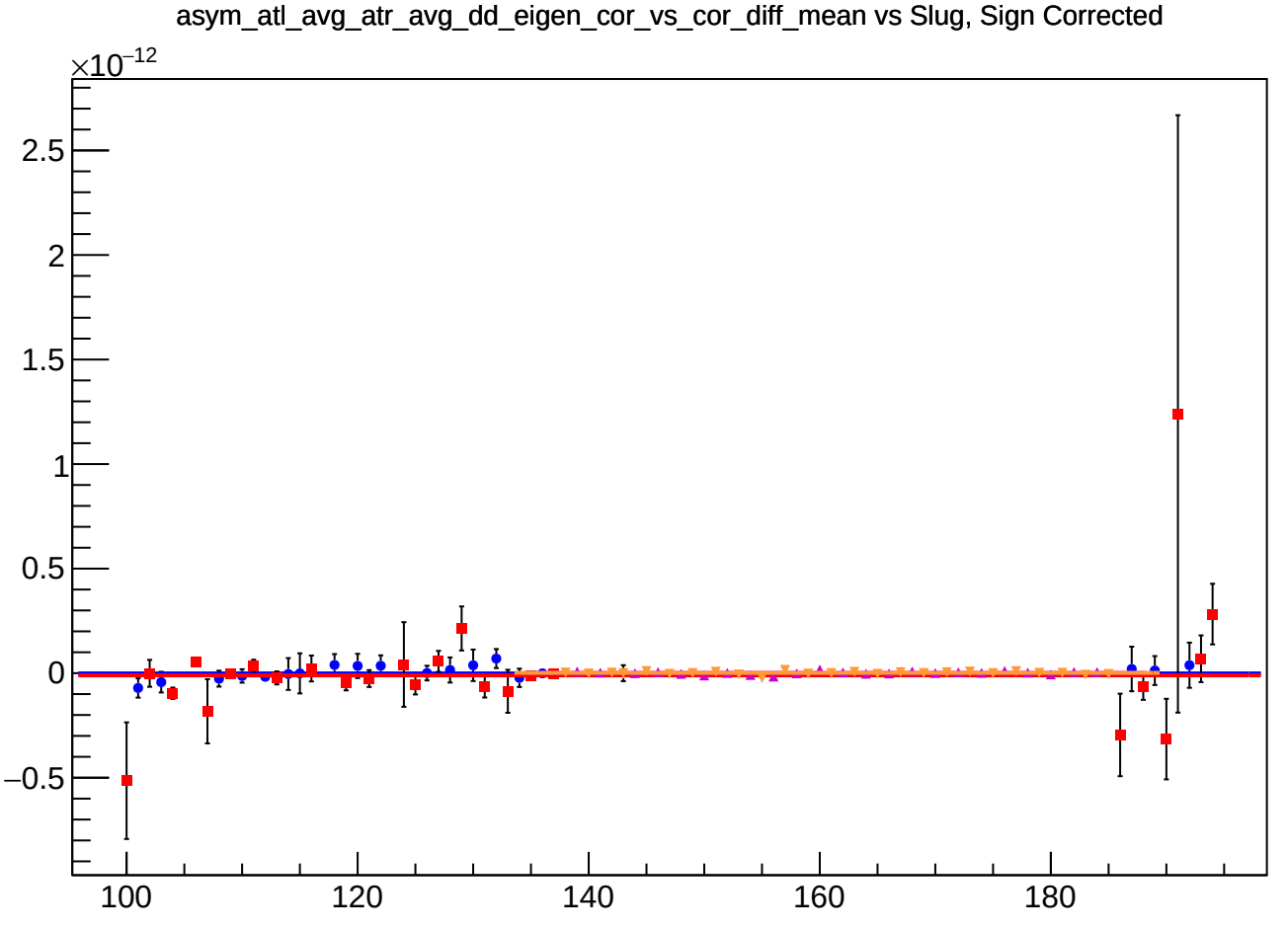
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 37.157+/-0.007 χ^2/NDF: 6325770.1/43

In: 34.148+/-0.006 χ^2/NDF:11656832.1/41

Out: 34.014+/-0.005 χ^2/NDF:14791500.0/49

All: 34.079+/-0.004 χ^2/NDF: 26448623.5/91



Right In: -0.000+/-0.000 χ^2/NDF: 8.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 50.5/24

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

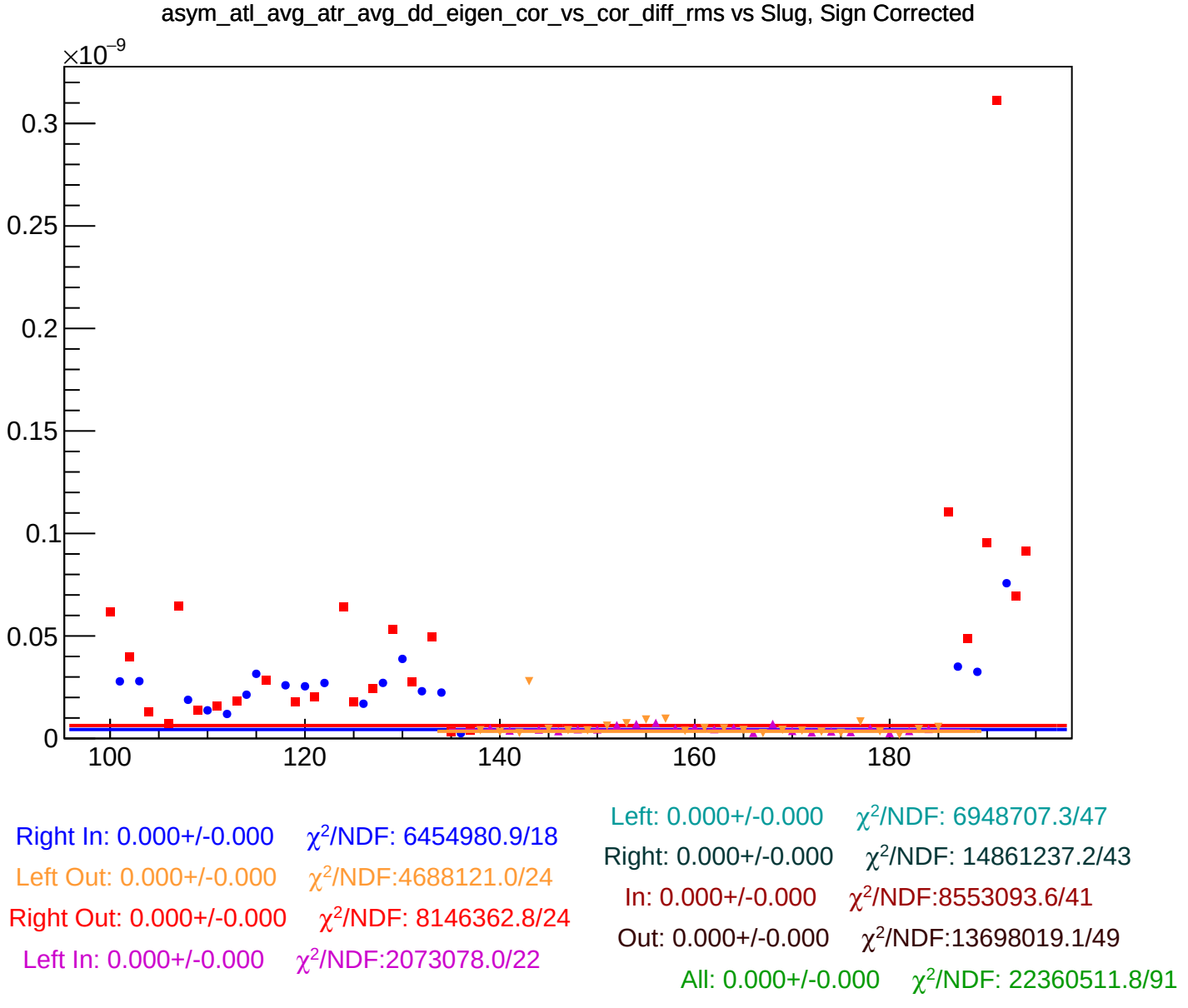
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

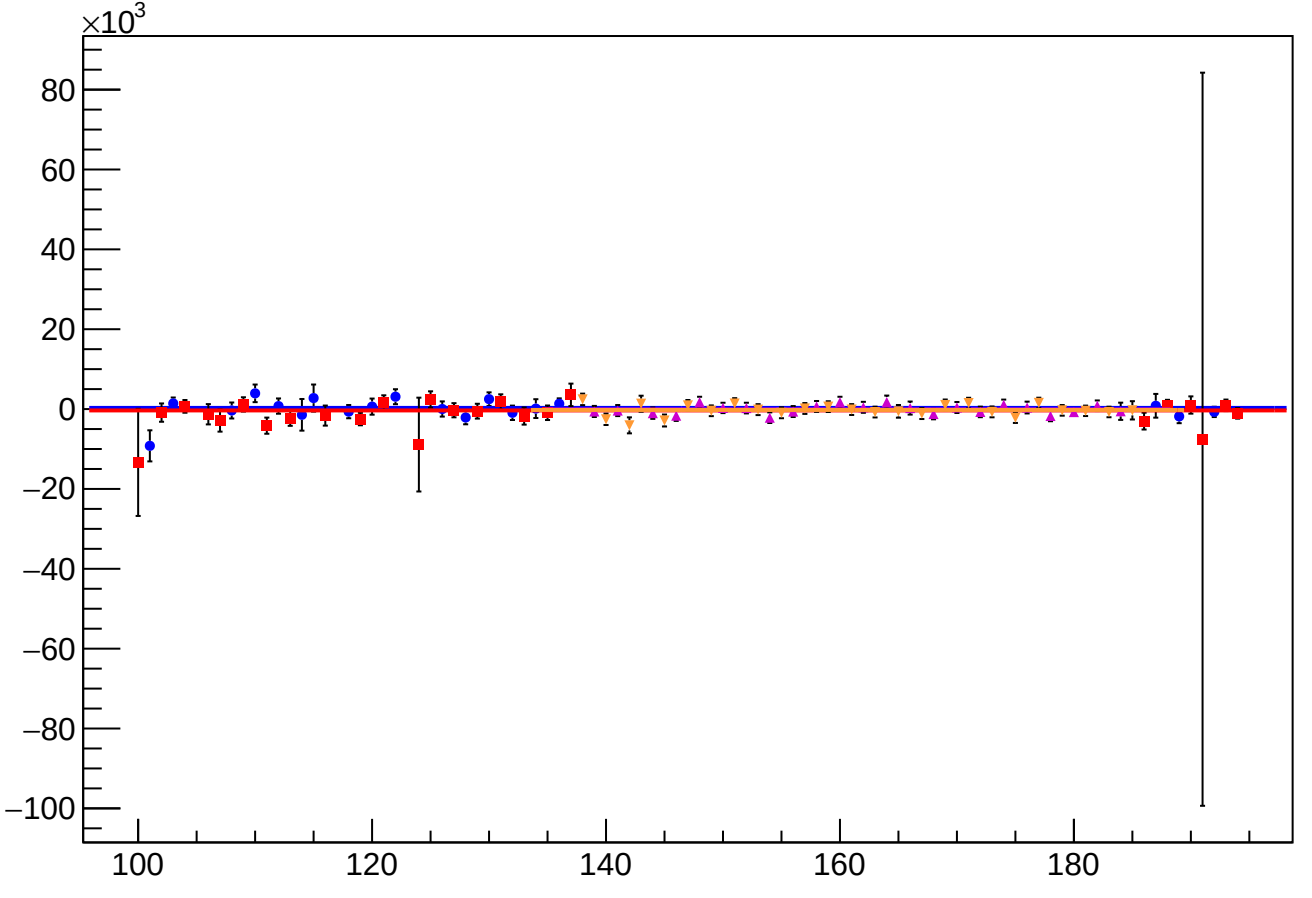
Right: -0.000+/-0.000 χ^2/NDF: 62.2/43

In: 0.000+/-0.000 χ^2/NDF:38.0/41

Out: 0.000+/-0.000 χ^2/NDF:76.3/49

All: 0.000+/-0.000 χ^2/NDF: 114.3/91


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 6454980.9/18
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 8146362.8/24
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
Left: 0.000+/-0.000 χ²/NDF: 6948707.3/47
Right: 0.000+/-0.000 χ²/NDF: 14861237.2/43
In: 0.000+/-0.000 χ²/NDF:8553093.6/41
Out: 0.000+/-0.000 χ²/NDF:13698019.1/49
All: 0.000+/-0.000 χ²/NDF: 22360511.8/91



Right In: 291.182+/-432.155 χ^2/NDF: 19.6/18

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -336.374+/-396.306 χ^2/NDF: 21.0/24

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

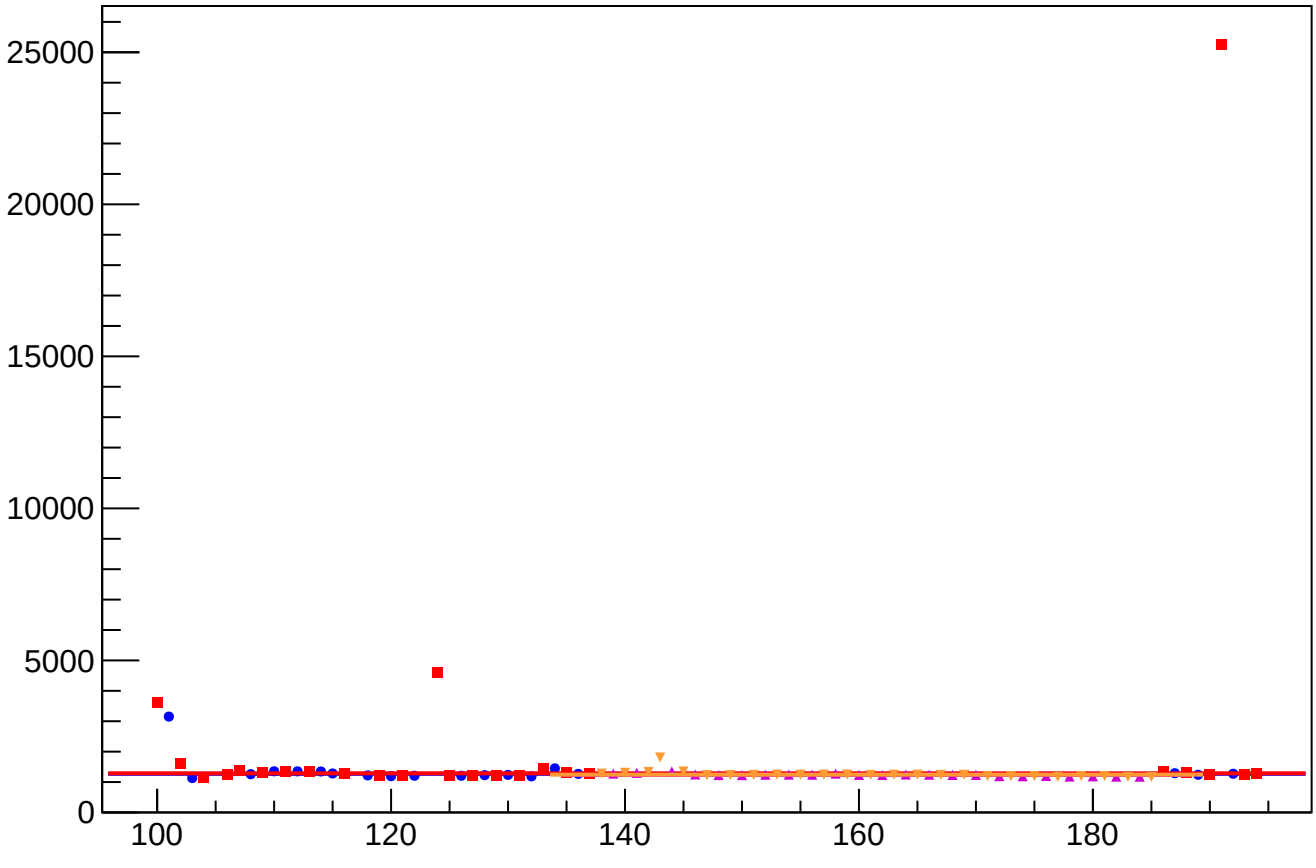
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -49.701+/-292.083 χ^2/NDF: 41.7/43

In: 25.689+/-239.782 χ^2/NDF:34.9/41

Out: -259.789+/-230.337 χ^2/NDF:44.9/49

All: -122.783+/-166.111 χ^2/NDF: 80.5/91



Right In: 1271.085+/-0.306 χ^2/NDF: 520096.4/18

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1285.519+/-0.280 χ^2/NDF: 467824.6/24

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

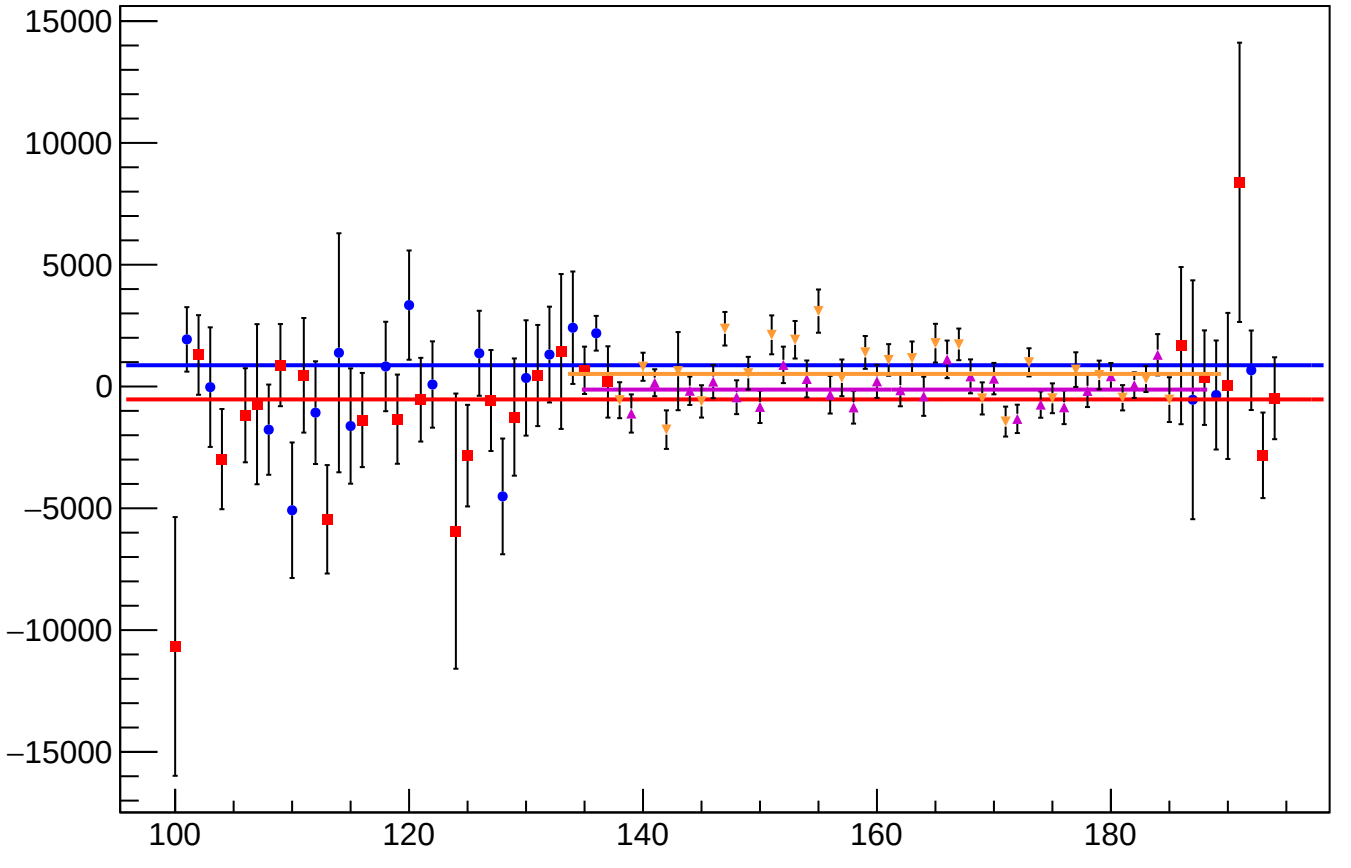
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1278.925+/-0.207 χ^2/NDF: 989133.0/43

In: 1245.245+/-0.170 χ^2/NDF:569708.5/41

Out: 1257.247+/-0.163 χ^2/NDF:686494.5/49

All: 1251.487+/-0.117 χ^2/NDF: 1258808.9/91



Right In: 872.801+/-403.848 χ^2/NDF: 20.3/18

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -529.973+/-396.869 χ^2/NDF: 22.0/24

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

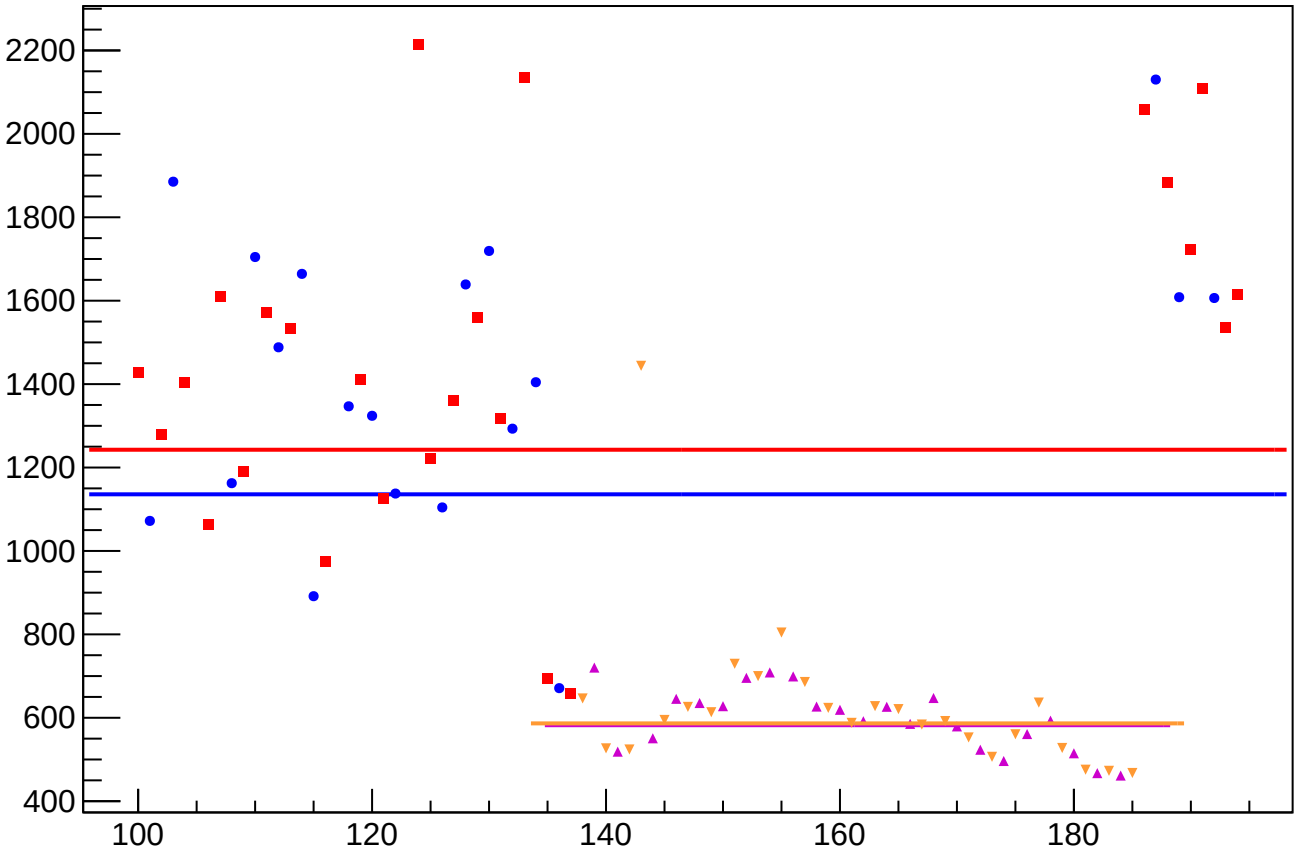
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 159.188+/-283.064 χ^2/NDF: 48.5/43

In: -23.070+/-129.964 χ^2/NDF:47.4/41

Out: 407.155+/-128.441 χ^2/NDF:95.3/49

All: 194.579+/-91.355 χ^2/NDF: 148.2/91



Right In: 1135.789+/-0.286 χ^2/NDF: 1855527.5/18

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1242.658+/-0.281 χ^2/NDF: 2009753.5/24

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

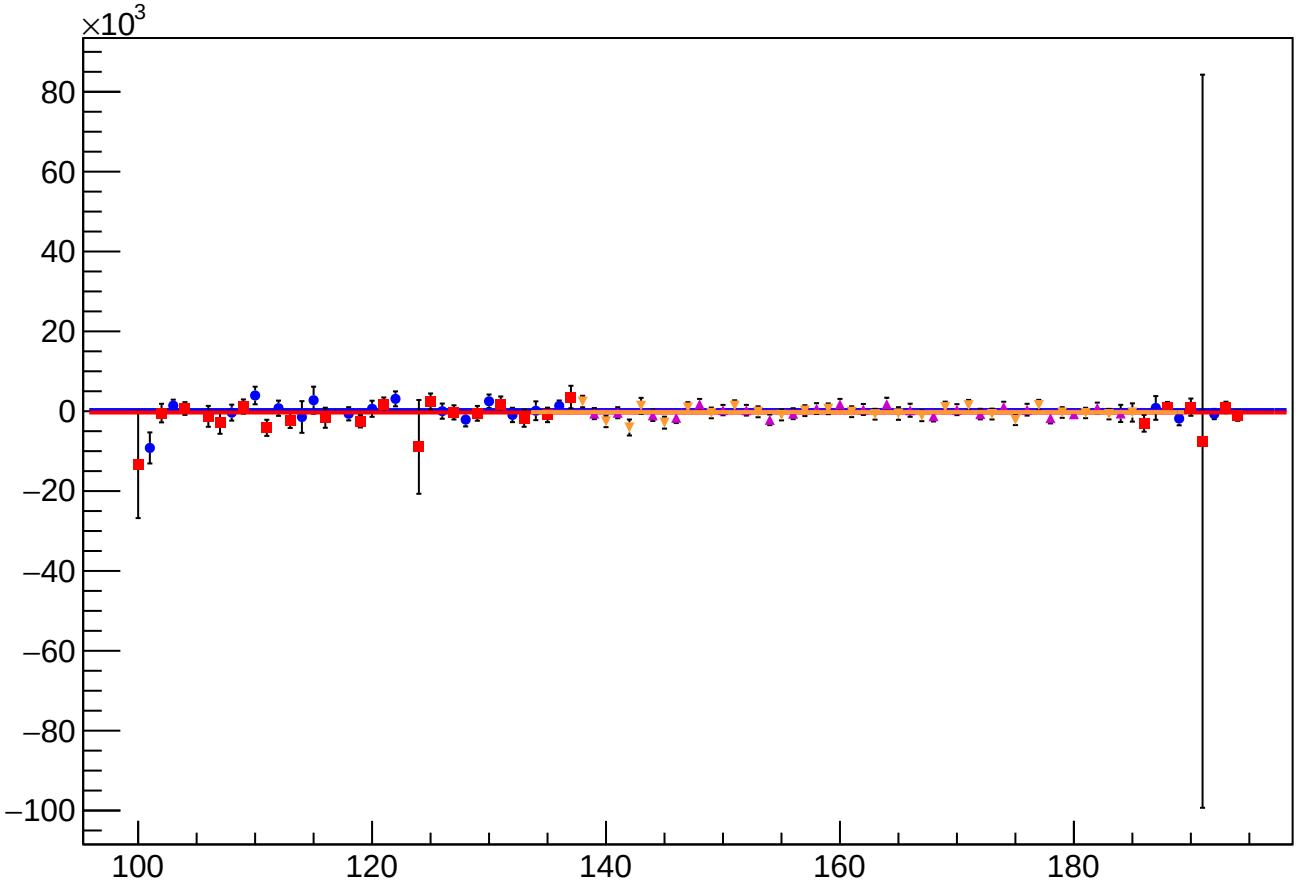
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1190.155+/-0.200 χ^2/NDF: 3936527.8/43

In: 639.523+/-0.092 χ^2/NDF:5783804.1/41

Out: 655.277+/-0.091 χ^2/NDF:8106242.0/49

All: 647.493+/-0.065 χ^2/NDF: 13904912.2/91



Right In: 291.450+/-432.155 χ^2/NDF: 19.6/18

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -322.039+/-396.764 χ^2/NDF: 20.9/24

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

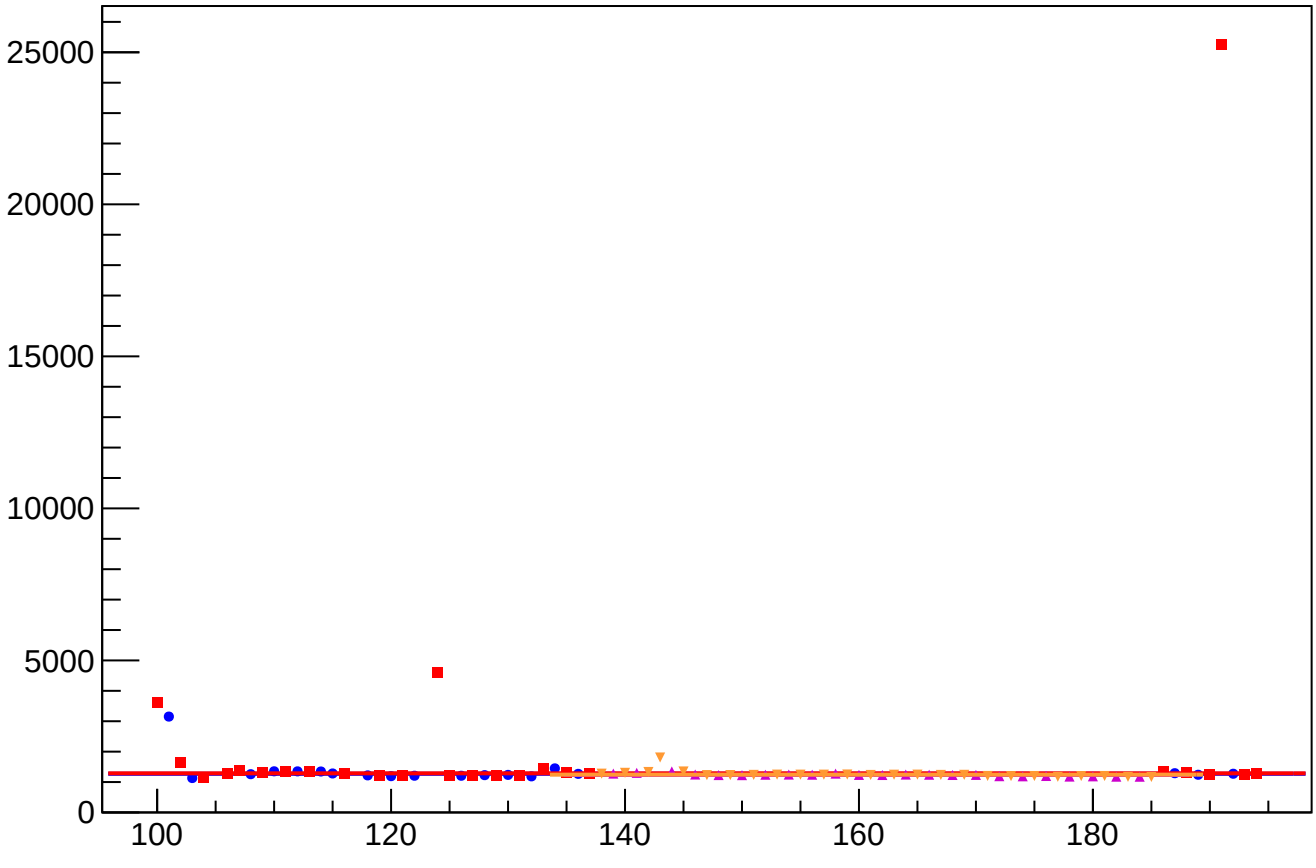
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -41.440+/-292.266 χ^2/NDF: 41.6/43

In: 25.723+/-239.782 χ^2/NDF:34.8/41

Out: -254.917+/-230.427 χ^2/NDF:44.9/49

All: -120.179+/-166.145 χ^2/NDF: 80.4/91



Right In: 1271.084+/-0.306 χ^2/NDF: 520097.8/18

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1287.082+/-0.281 χ^2/NDF: 474370.2/24

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

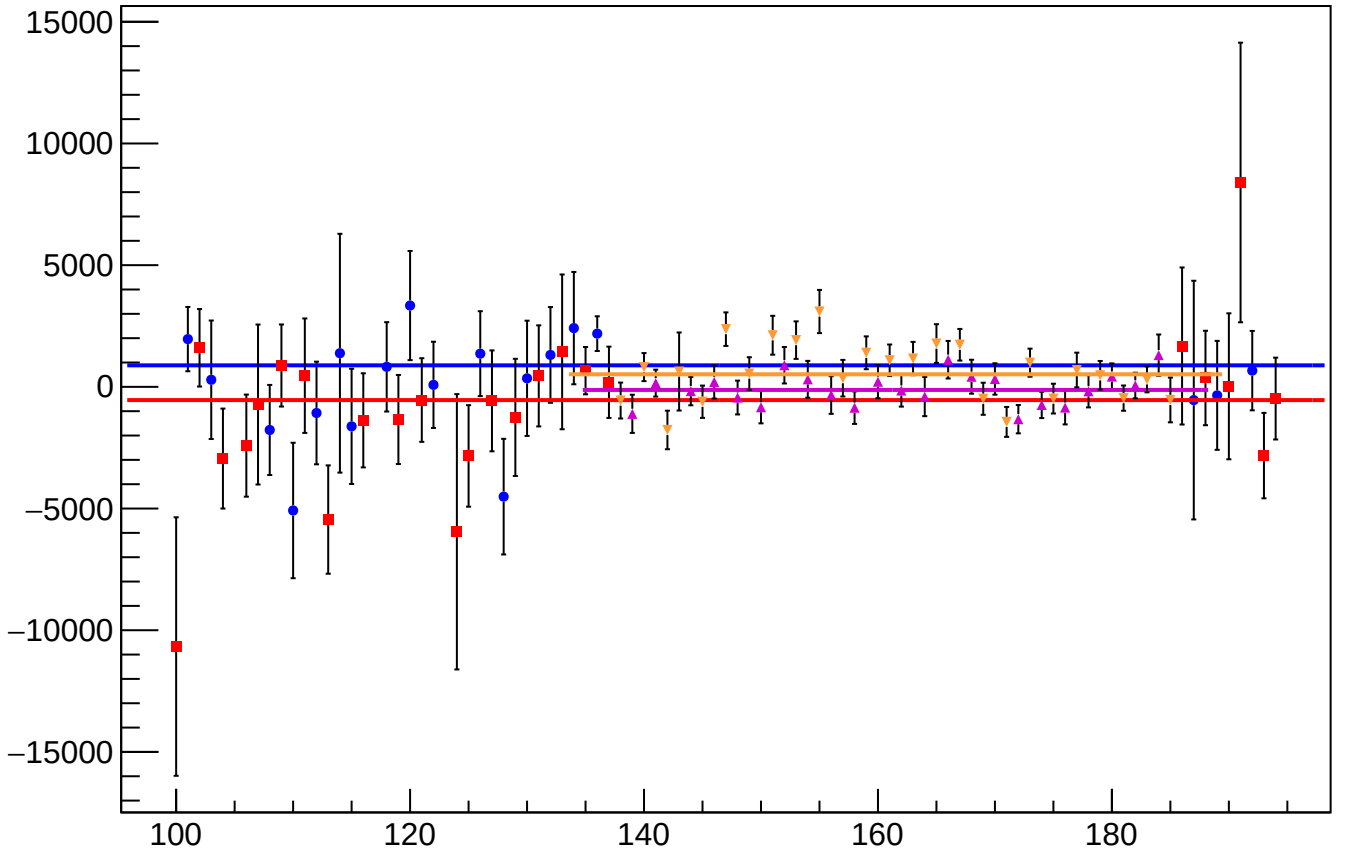
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1279.765+/-0.207 χ^2/NDF: 995955.1/43

In: 1245.245+/-0.170 χ^2/NDF:569709.8/41

Out: 1257.752+/-0.163 χ^2/NDF:694160.7/49

All: 1251.748+/-0.117 χ^2/NDF: 1266699.3/91



Right In: 883.994+/-403.698 χ^2/NDF: 20.3/18

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -544.117+/-397.499 χ^2/NDF: 23.2/24

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

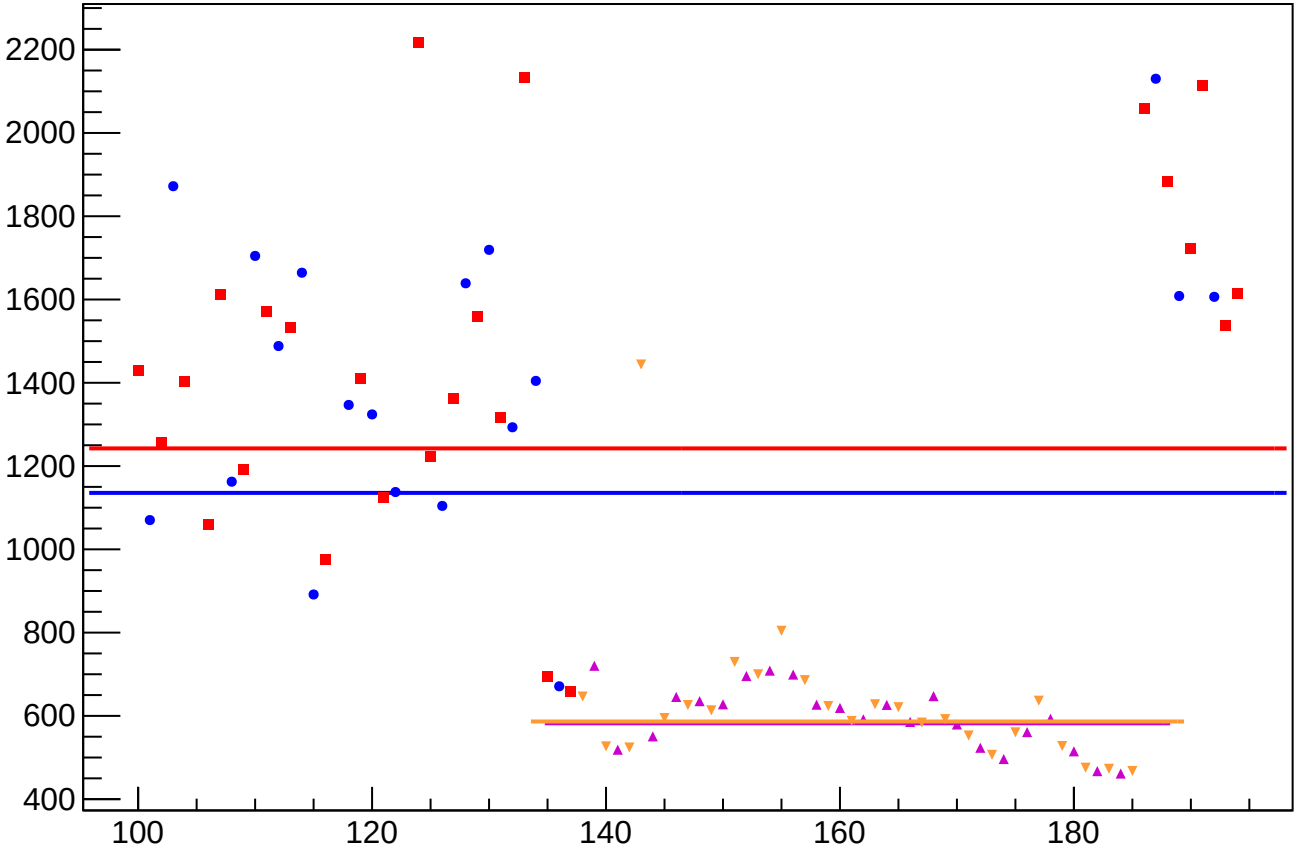
Right: 158.889+/-283.240 χ^2/NDF: 49.9/43

In: -21.824+/-129.959 χ^2/NDF:47.5/41

Out: 406.004+/-128.463 χ^2/NDF:96.6/49

All: 194.567+/-91.361 χ^2/NDF: 149.6/91

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1135.578+/-0.285 χ^2/NDF: 1852278.2/18

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1242.411+/-0.281 χ^2/NDF: 2007164.6/24

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

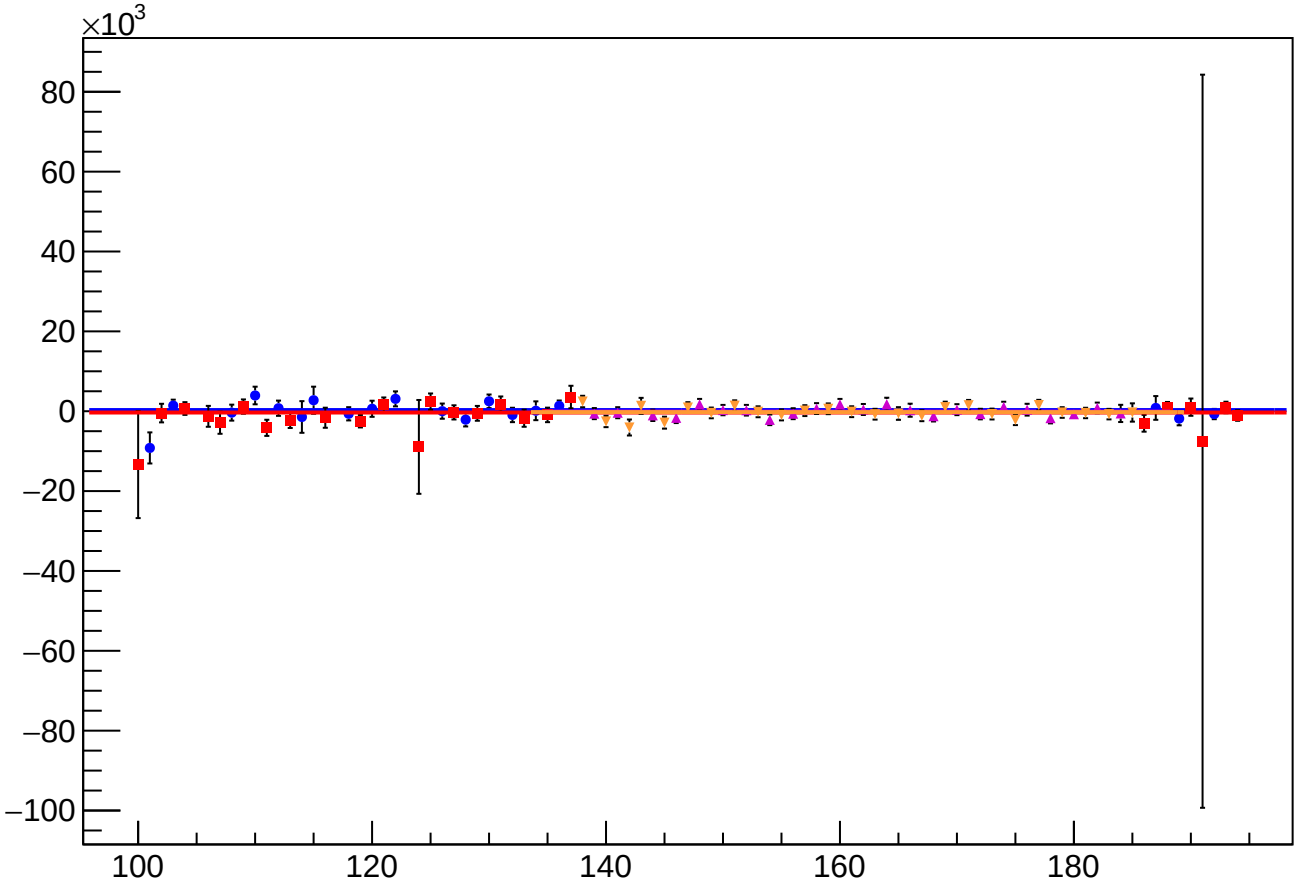
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1189.821+/-0.200 χ^2/NDF: 3930559.0/43

In: 639.538+/-0.092 χ^2/NDF:5780255.9/41

Out: 655.061+/-0.091 χ^2/NDF:8085942.7/49

All: 647.389+/-0.065 χ^2/NDF: 13880631.5/91



Right In: 291.450+/-432.155 χ^2/NDF: 19.6/18

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -322.039+/-396.764 χ^2/NDF: 20.9/24

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

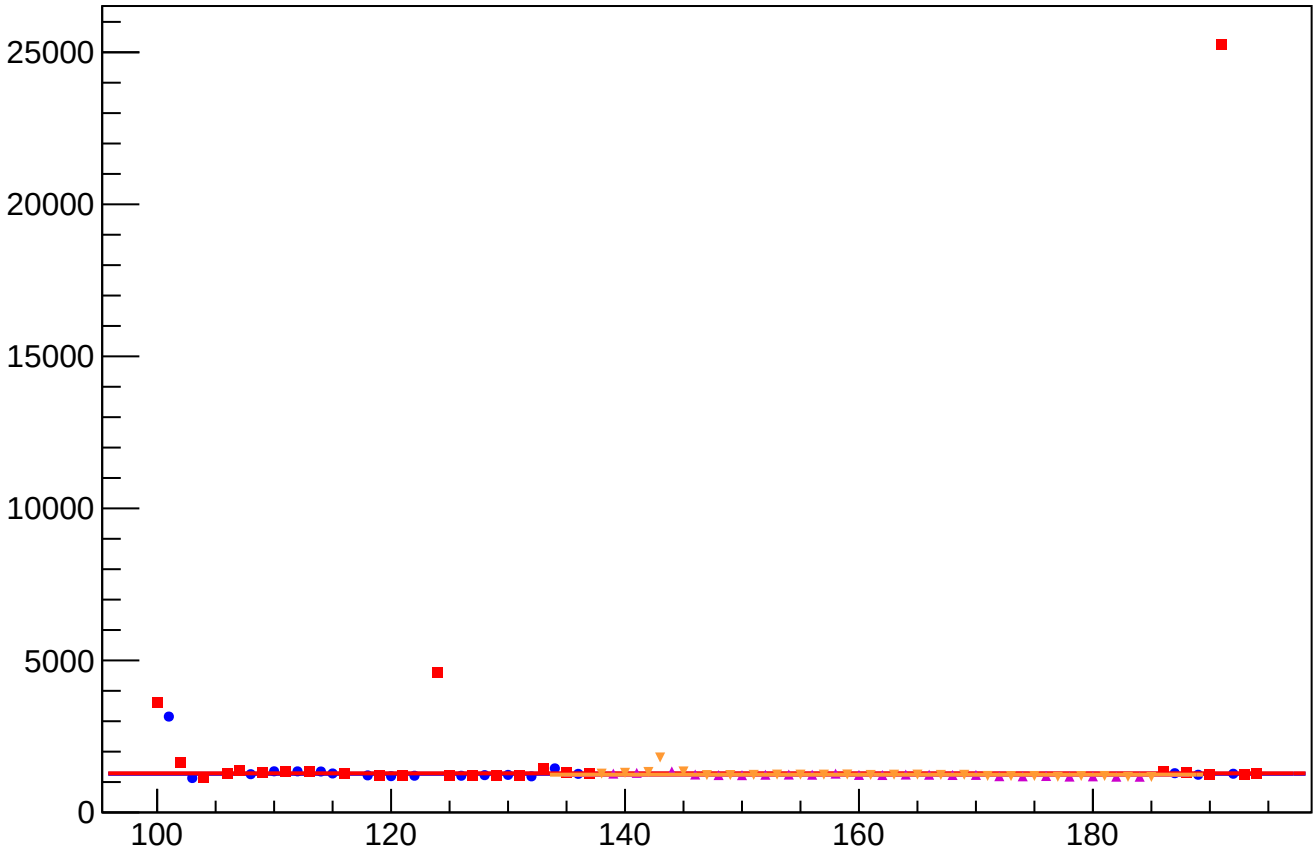
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -41.440+/-292.266 χ^2/NDF: 41.6/43

In: 25.723+/-239.782 χ^2/NDF:34.8/41

Out: -254.917+/-230.427 χ^2/NDF:44.9/49

All: -120.179+/-166.145 χ^2/NDF: 80.4/91



Right In: 1271.084+/-0.306 χ^2/NDF: 520097.8/18

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1287.082+/-0.281 χ^2/NDF: 474370.2/24

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

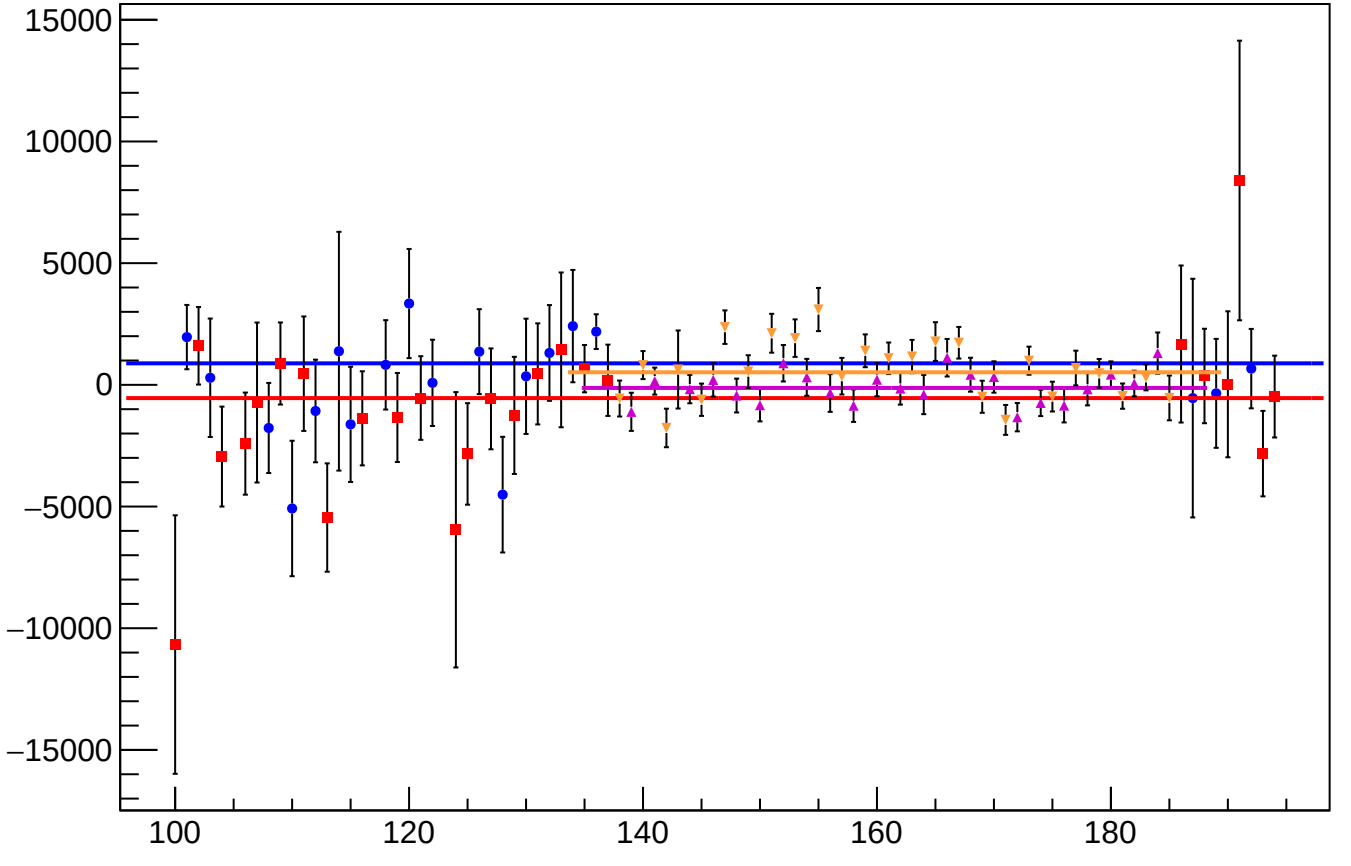
Right: 1279.765+/-0.207 χ^2/NDF: 995955.1/43

In: 1245.245+/-0.170 χ^2/NDF:569709.8/41

Out: 1257.752+/-0.163 χ^2/NDF:694160.7/49

All: 1251.748+/-0.117 χ^2/NDF: 1266699.3/91

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 883.994+/-403.698 χ^2/NDF: 20.3/18

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -544.117+/-397.499 χ^2/NDF: 23.2/24

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

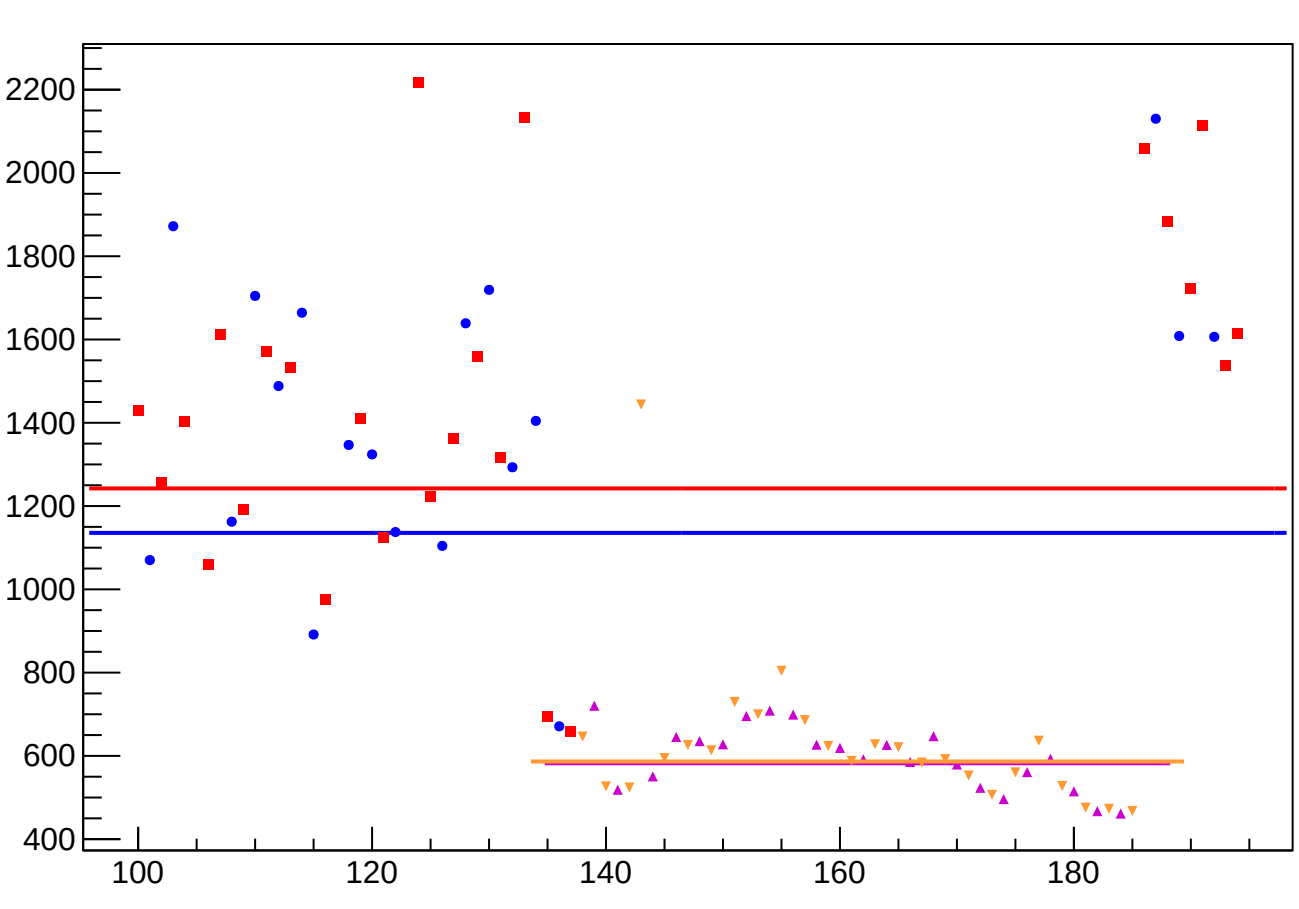
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 158.889+/-283.240 χ^2/NDF: 49.9/43

In: -21.824+/-129.959 χ^2/NDF:47.5/41

Out: 406.004+/-128.463 χ^2/NDF:96.6/49

All: 194.567+/-91.361 χ^2/NDF: 149.6/91



Right In: 1135.578+/-0.285 χ^2/NDF: 1852278.2/18

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1242.411+/-0.281 χ^2/NDF: 2007164.6/24

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

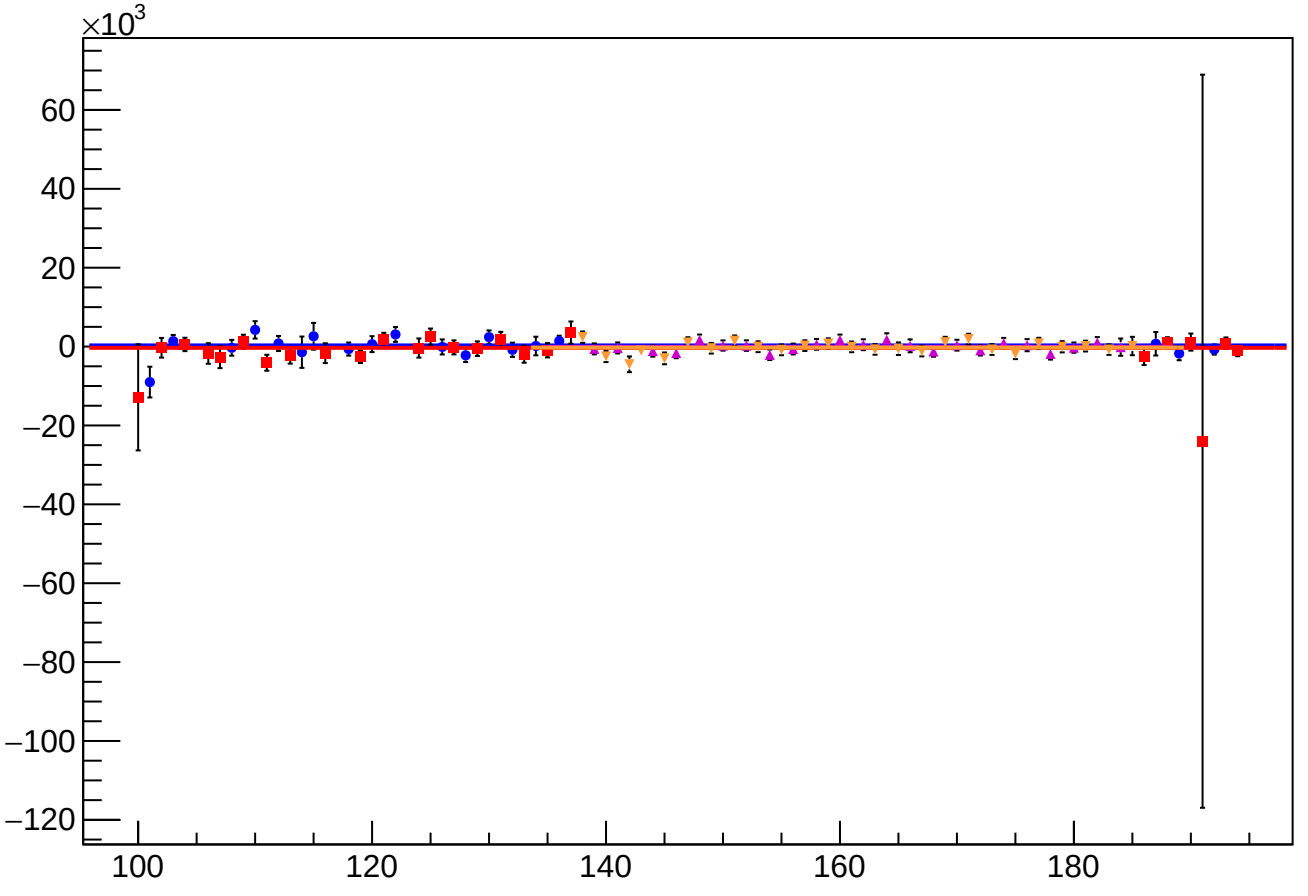
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1189.821+/-0.200 χ^2/NDF: 3930559.0/43

In: 639.538+/-0.092 χ^2/NDF:5780255.9/41

Out: 655.061+/-0.091 χ^2/NDF:8085942.7/49

All: 647.389+/-0.065 χ^2/NDF: 13880631.5/91



Right In: 288.994+/-434.428 χ^2/NDF: 19.6/18

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -316.862+/-394.407 χ^2/NDF: 20.4/24

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

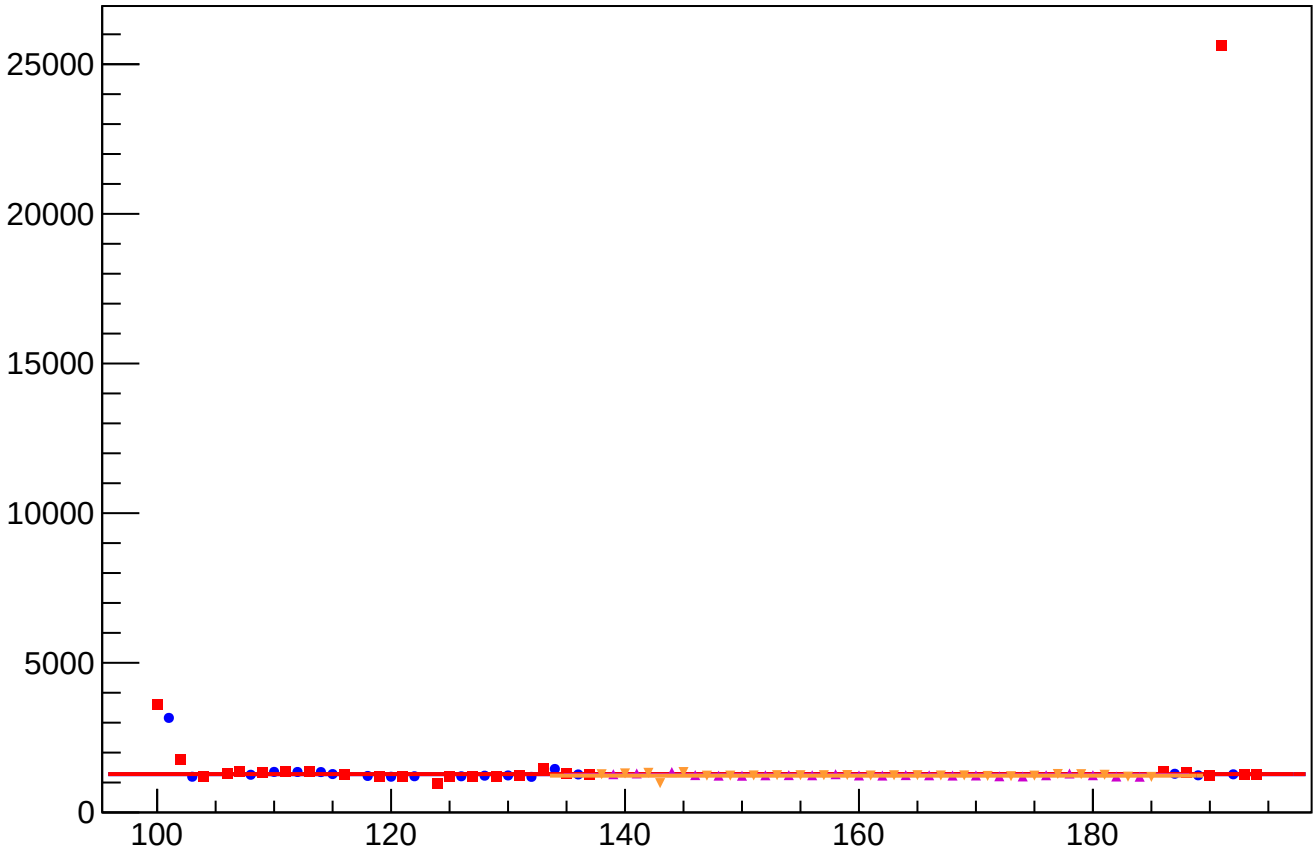
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -43.120+/-292.014 χ^2/NDF: 41.1/43

In: 38.064+/-242.034 χ^2/NDF:34.1/41

Out: -272.962+/-228.273 χ^2/NDF:44.5/49

All: -126.541+/-166.065 χ^2/NDF: 79.4/91



Right In: 1278.177+/-0.307 χ^2/NDF: 508172.4/18

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1282.342+/-0.279 χ^2/NDF: 368347.1/24

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

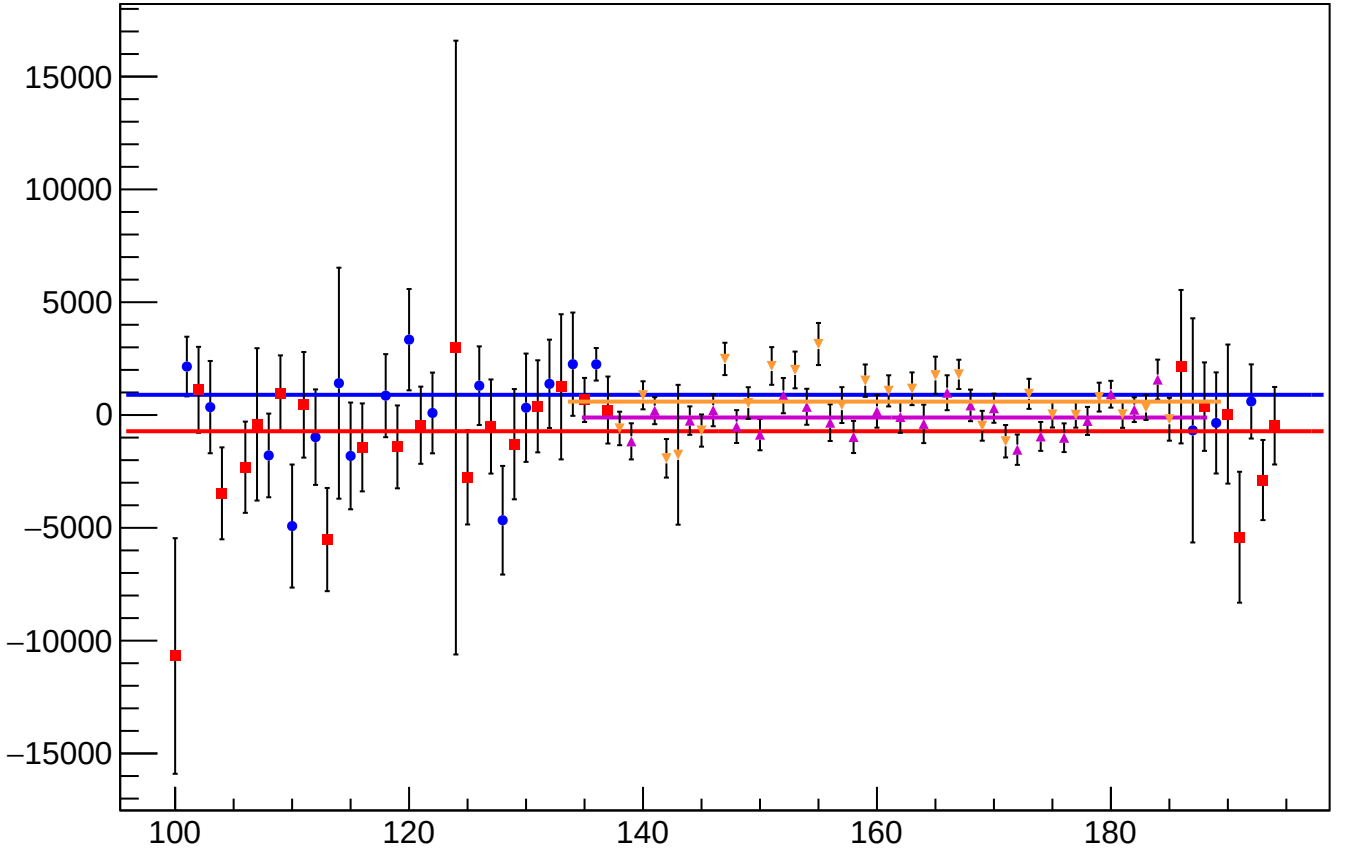
Right: 1280.461+/-0.206 χ^2/NDF: 876620.3/43

In: 1257.219+/-0.171 χ^2/NDF:542263.4/41

Out: 1247.525+/-0.161 χ^2/NDF:533392.2/49

All: 1252.088+/-0.117 χ^2/NDF: 1077353.7/91

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 896.164+/-403.558 χ^2/NDF: 20.9/18

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -718.604+/-401.132 χ^2/NDF: 22.4/24

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

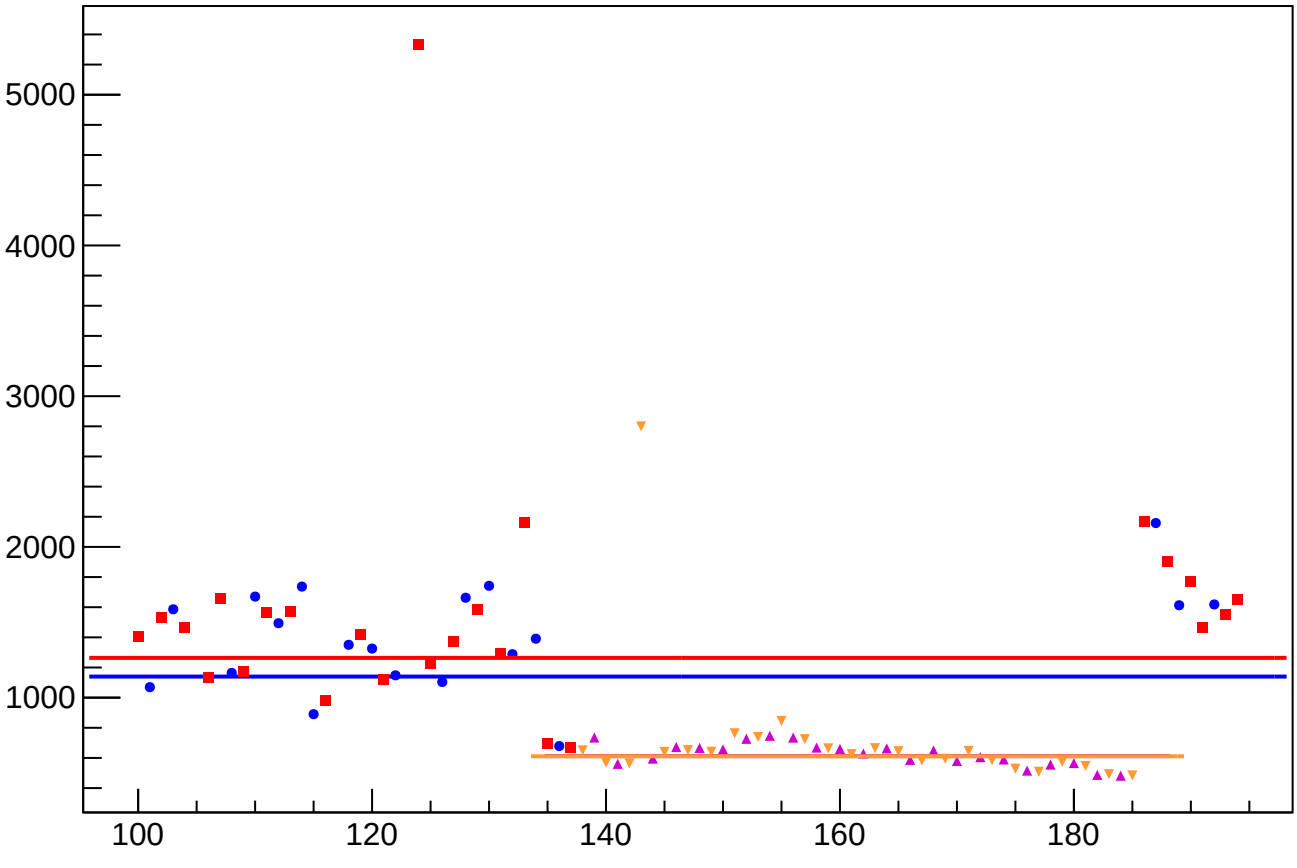
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 83.911+/-284.497 χ^2/NDF: 51.4/43

In: 3.742+/-135.818 χ^2/NDF:52.2/41

Out: 448.478+/-133.969 χ^2/NDF:89.2/49

All: 229.158+/-95.378 χ^2/NDF: 146.8/91



Right In: 1139.838+/-0.285 χ^2/NDF: 1738071.5/18

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1263.918+/-0.284 χ^2/NDF: 2179203.0/24

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

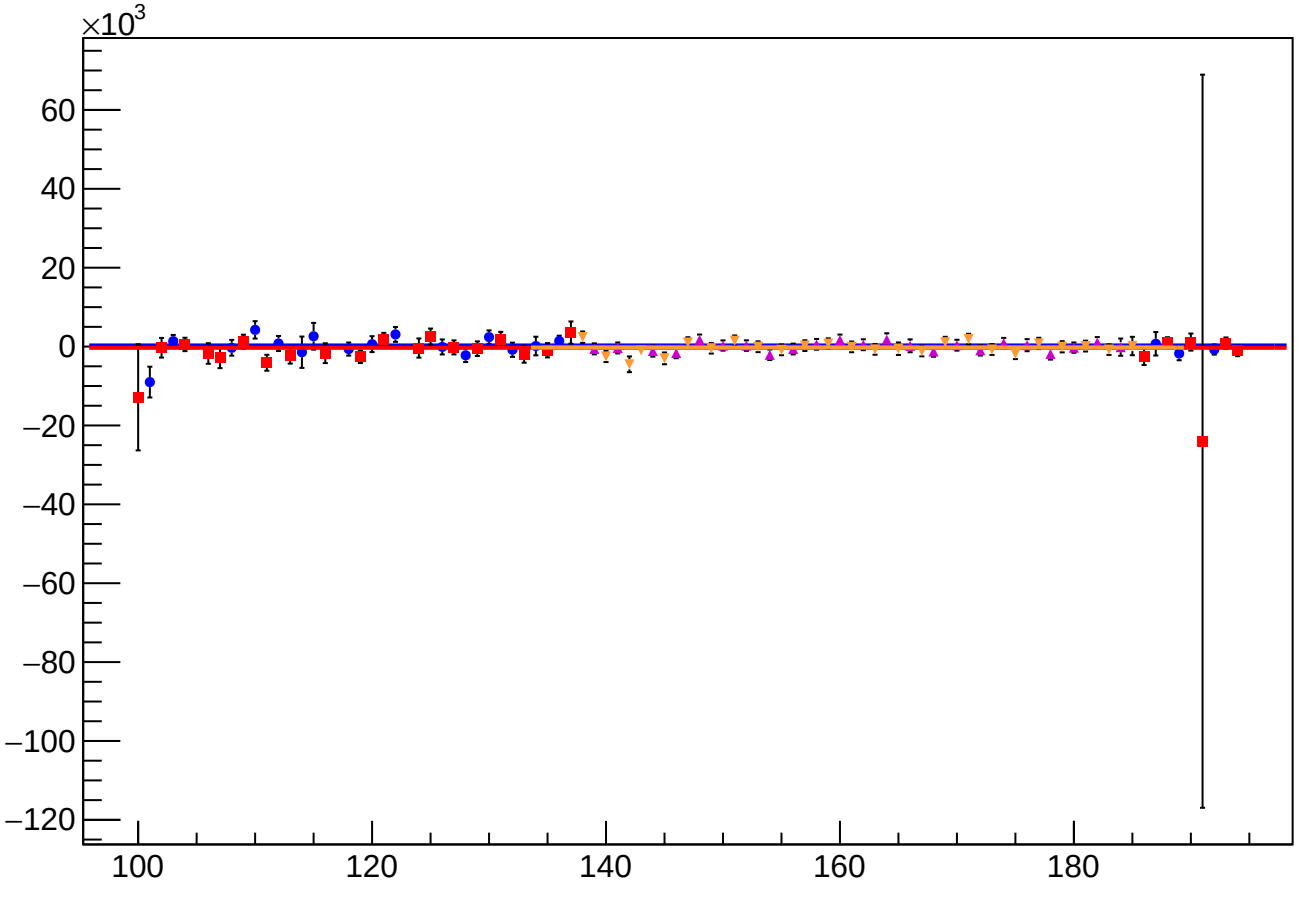
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1202.252+/-0.201 χ^2/NDF: 4012379.4/43

In: 672.141+/-0.096 χ^2/NDF:5276051.9/41

Out: 683.904+/-0.095 χ^2/NDF:8504987.1/49

All: 678.103+/-0.067 χ^2/NDF: 13788643.9/91



Right In: 288.996+/-434.428 χ^2/NDF: 19.6/18

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -316.861+/-394.407 χ^2/NDF: 20.4/24

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

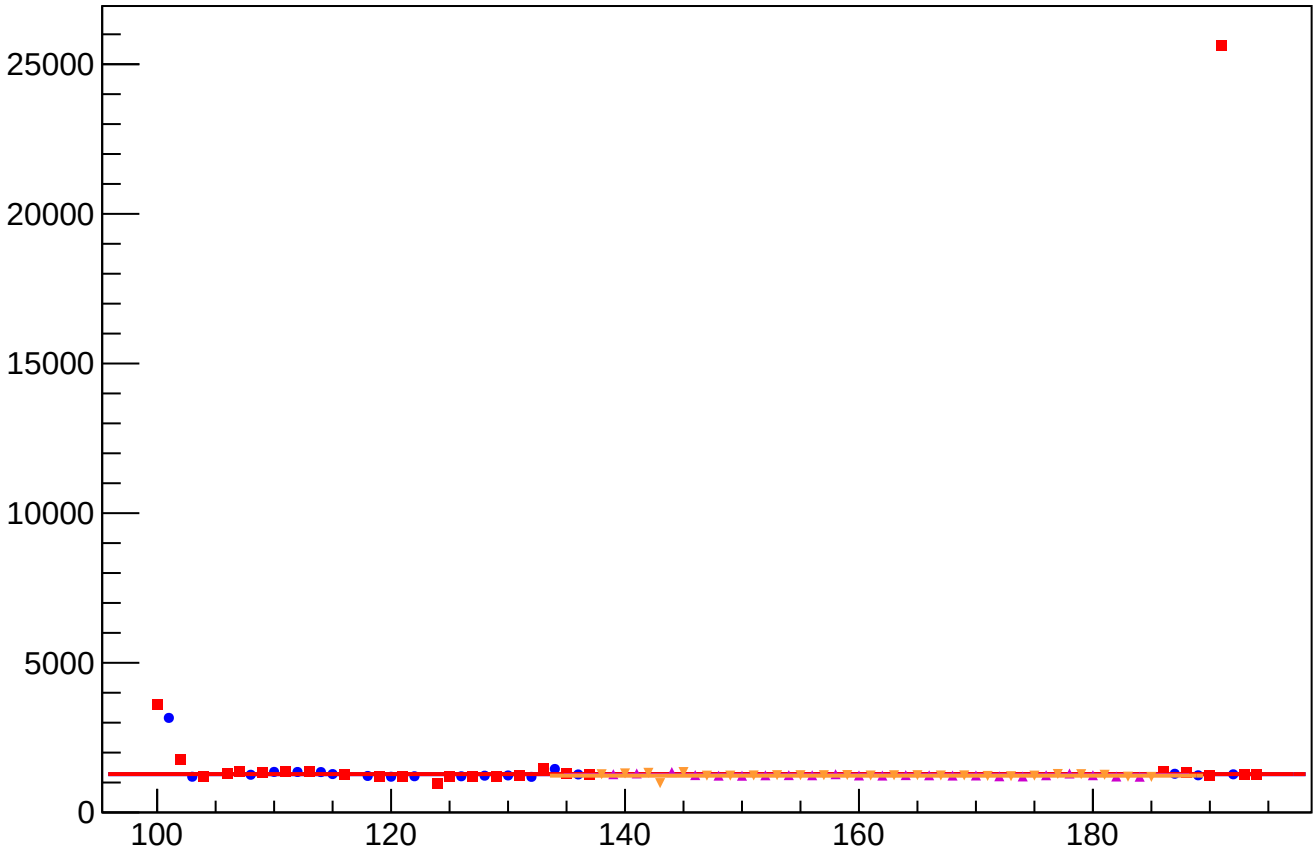
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -43.119+/-292.014 χ^2/NDF: 41.1/43

In: 38.065+/-242.034 χ^2/NDF:34.1/41

Out: -272.963+/-228.273 χ^2/NDF:44.5/49

All: -126.541+/-166.065 χ^2/NDF: 79.4/91



Right In: 1278.177+/-0.307 χ^2/NDF: 508172.5/18

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1282.342+/-0.279 χ^2/NDF: 368347.1/24

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

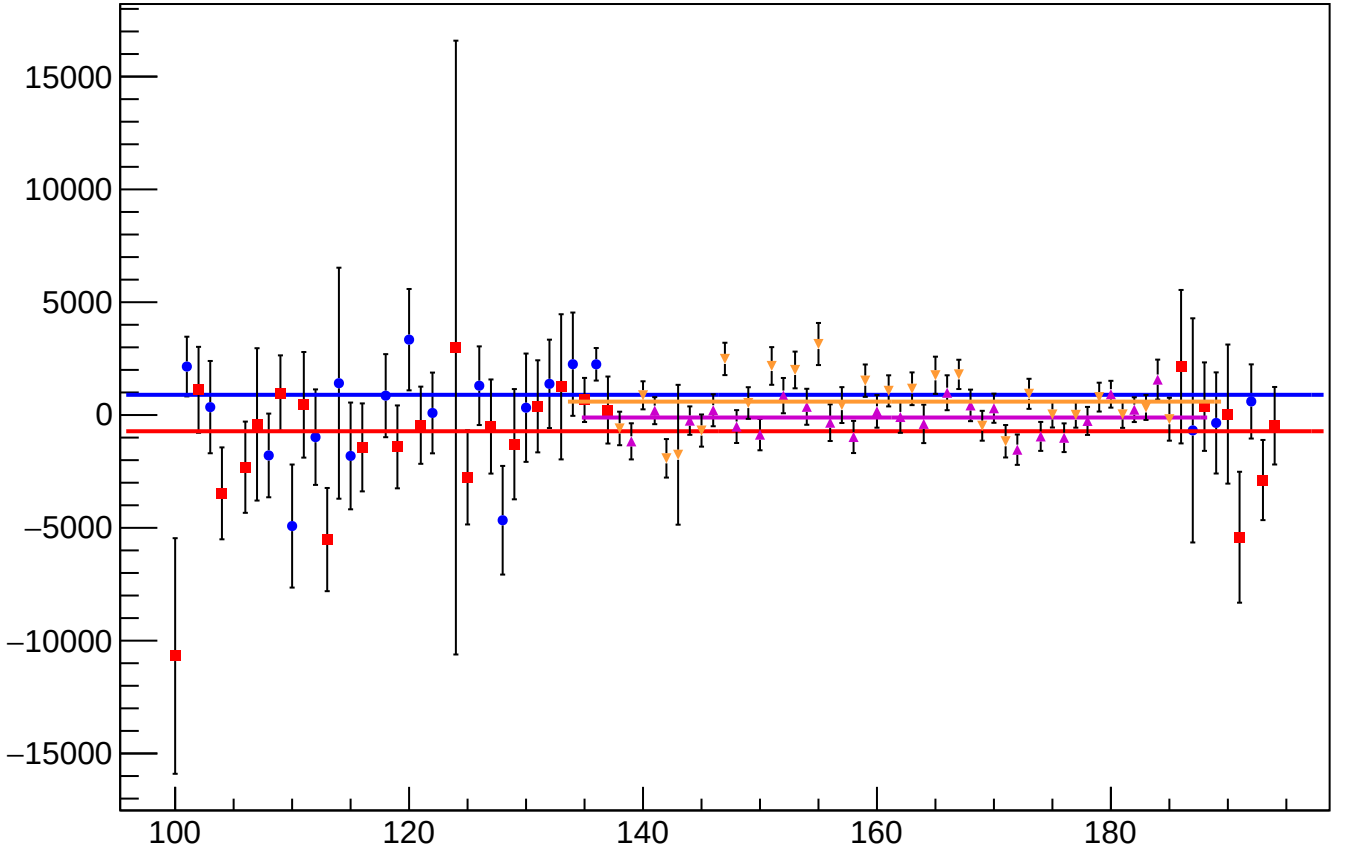
Right: 1280.460+/-0.206 χ^2/NDF: 876620.4/43

In: 1257.219+/-0.171 χ^2/NDF:542263.5/41

Out: 1247.525+/-0.161 χ^2/NDF:533391.2/49

All: 1252.088+/-0.117 χ^2/NDF: 1077352.7/91

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 896.158+/-403.560 χ^2/NDF: 20.9/18

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -718.614+/-401.133 χ^2/NDF: 22.4/24

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

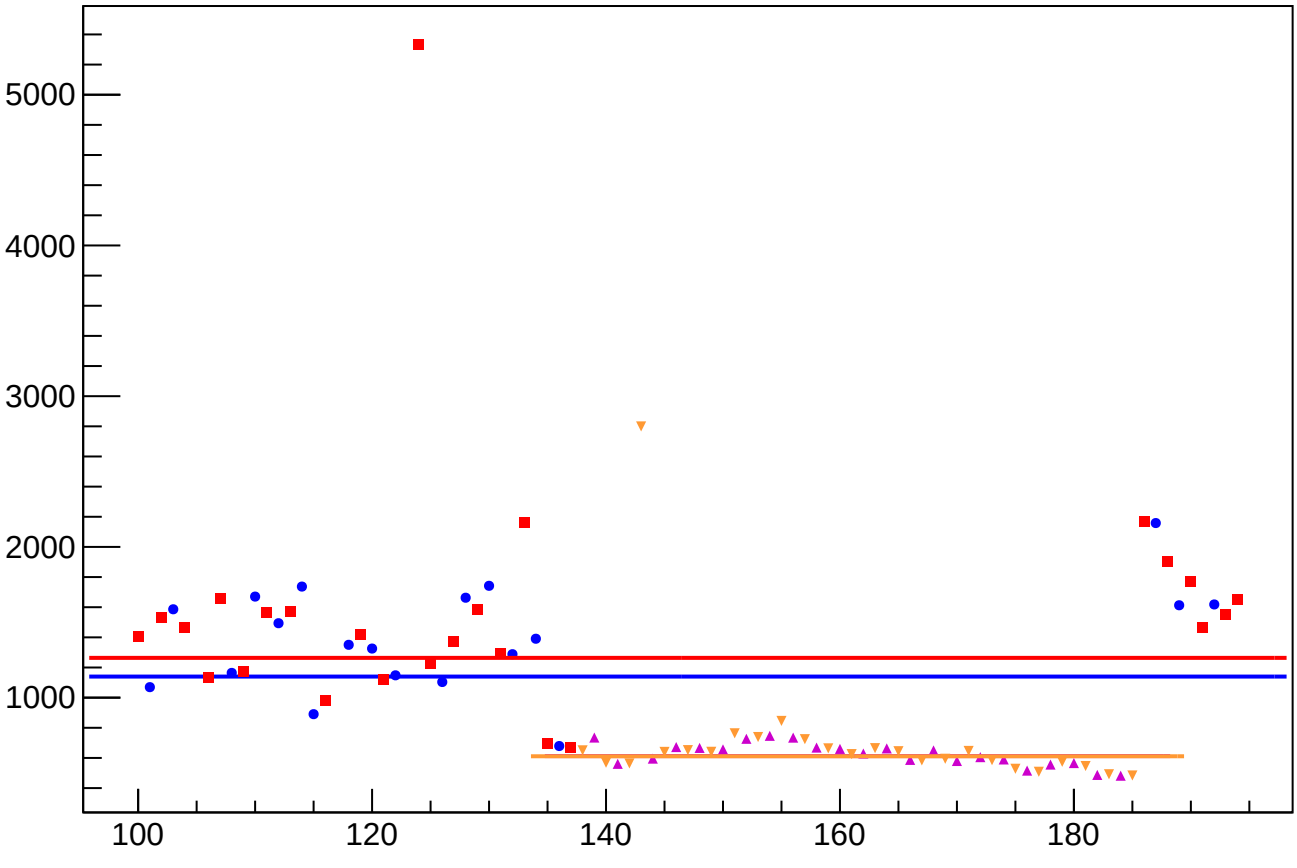
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 83.903+/-284.498 χ^2/NDF: 51.4/43

In: 3.742+/-135.818 χ^2/NDF:52.2/41

Out: 448.478+/-133.969 χ^2/NDF:89.2/49

All: 229.158+/-95.378 χ^2/NDF: 146.8/91



Right In: 1139.844+/-0.285 χ^2/NDF: 1738002.8/18

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1263.924+/-0.284 χ^2/NDF: 2179131.5/24

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

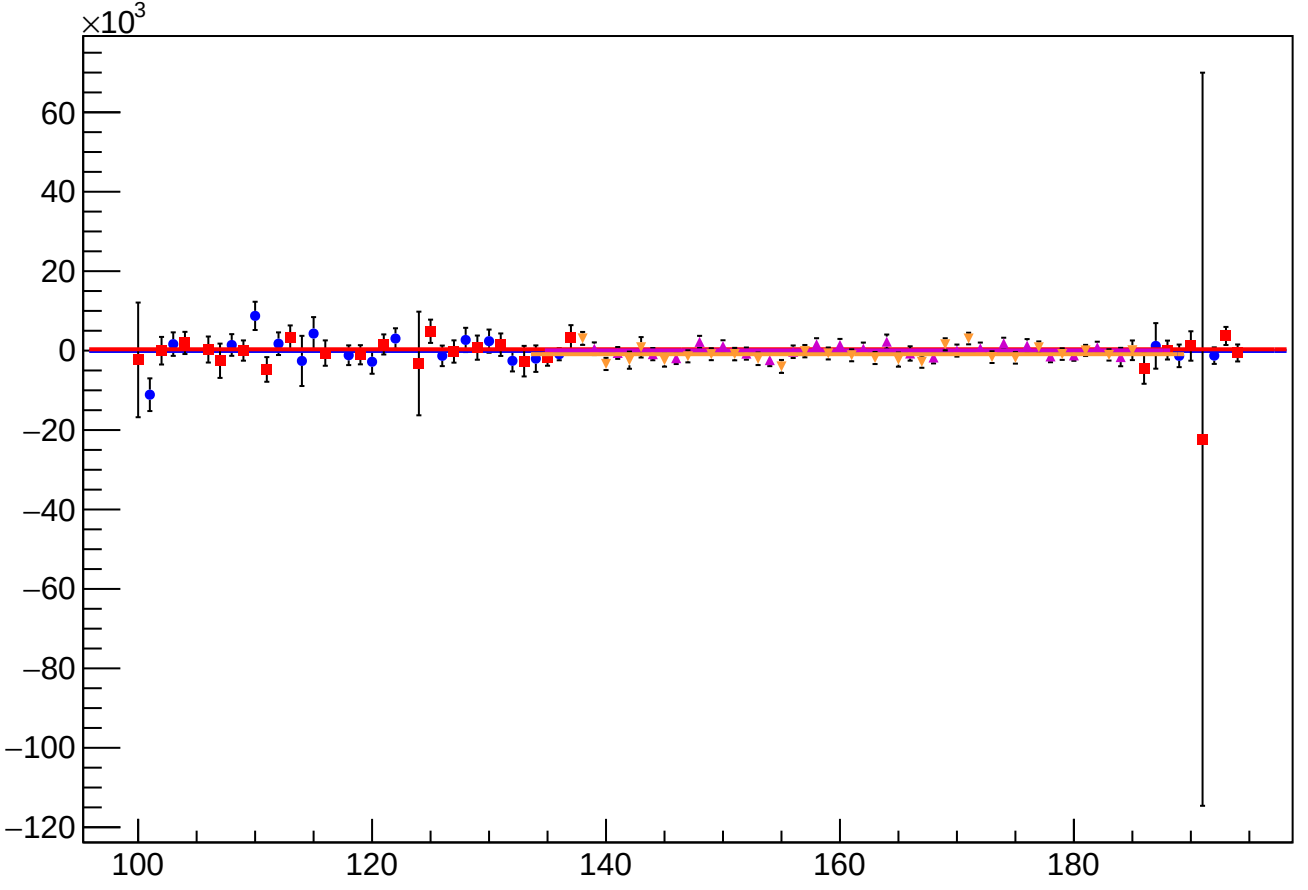
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1202.258+/-0.201 χ^2/NDF: 4012238.9/43

In: 672.140+/-0.096 χ^2/NDF:5276046.0/41

Out: 683.905+/-0.095 χ^2/NDF:8504980.3/49

All: 678.103+/-0.067 χ^2/NDF: 13788631.8/91



Right In: -87.495+/-641.330 χ^2/NDF: 21.9/18

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 335.810+/-600.826 χ^2/NDF: 14.4/24

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

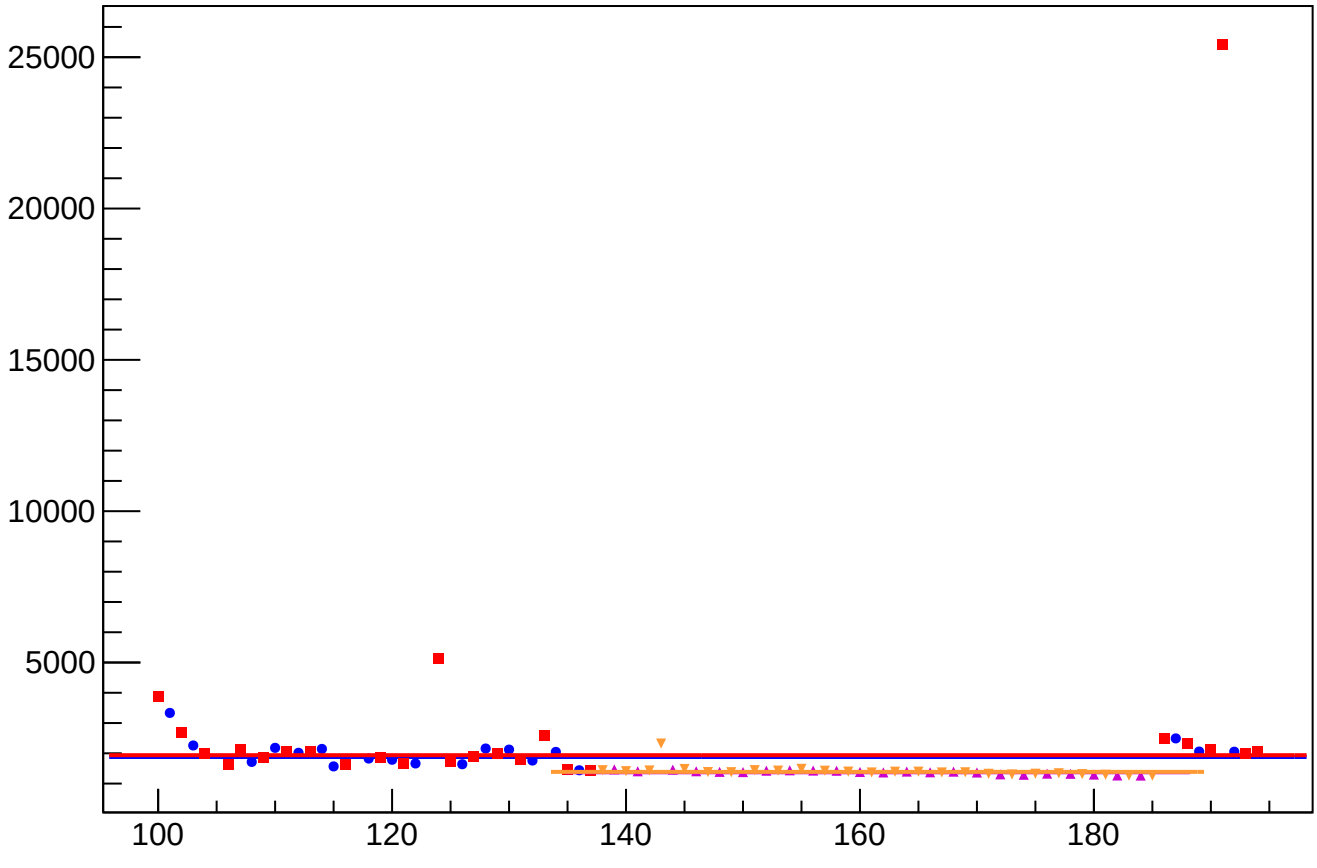
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: 137.946+/-438.469 χ^2/NDF: 36.5/43

In: 21.007+/-287.000 χ^2/NDF:39.8/41

Out: -631.548+/-279.988 χ^2/NDF:47.5/49

All: -313.339+/-200.415 χ^2/NDF: 90.0/91



Right In: 1878.628+/-0.453 χ^2/NDF: 607888.3/18

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1937.680+/-0.425 χ^2/NDF: 783082.2/24

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

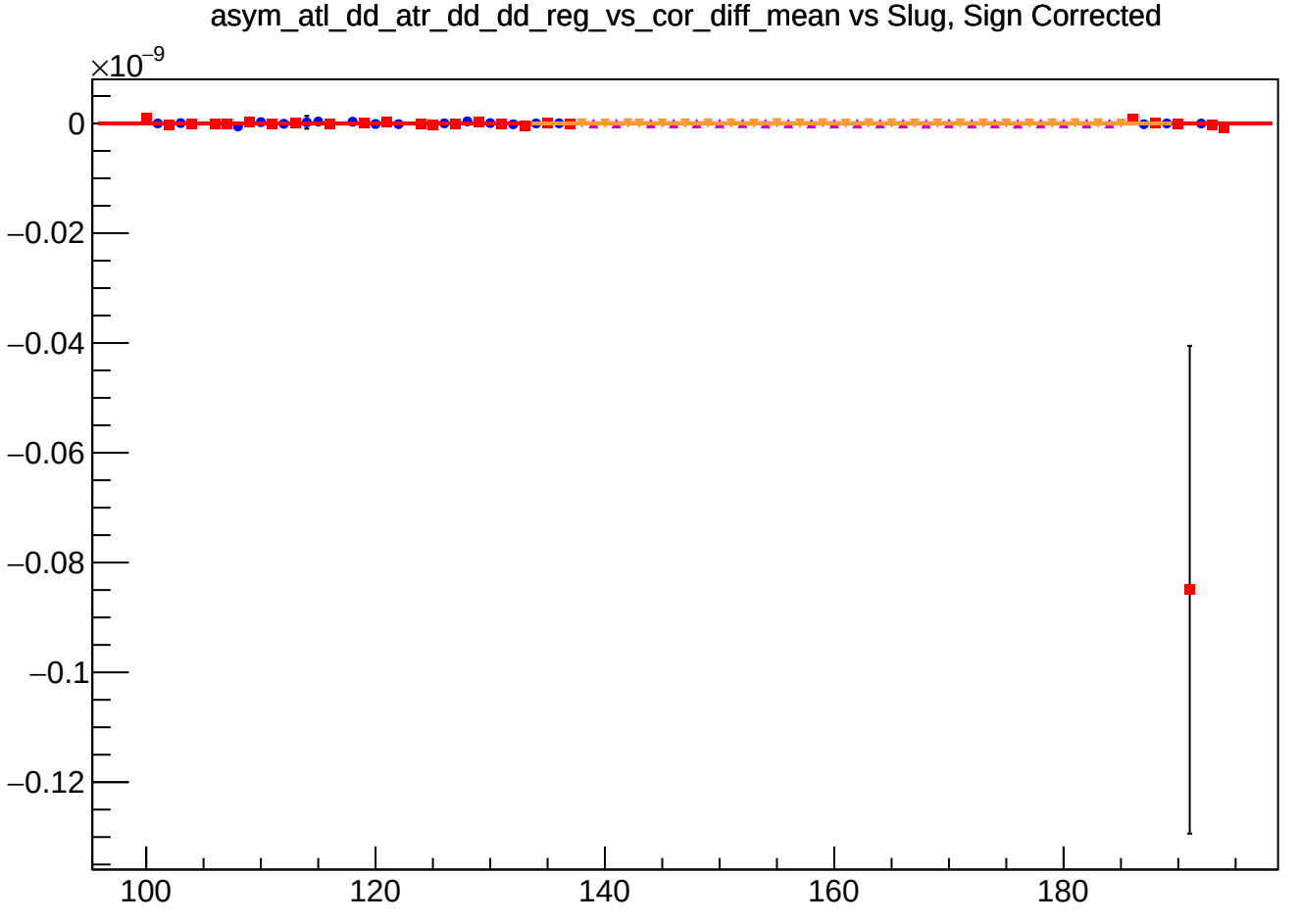
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1910.077+/-0.310 χ^2/NDF: 1400001.1/43

In: 1474.432+/-0.203 χ^2/NDF:1665711.6/41

Out: 1506.466+/-0.198 χ^2/NDF:2438870.4/49

All: 1490.845+/-0.142 χ^2/NDF: 4117348.6/91



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.7/24

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

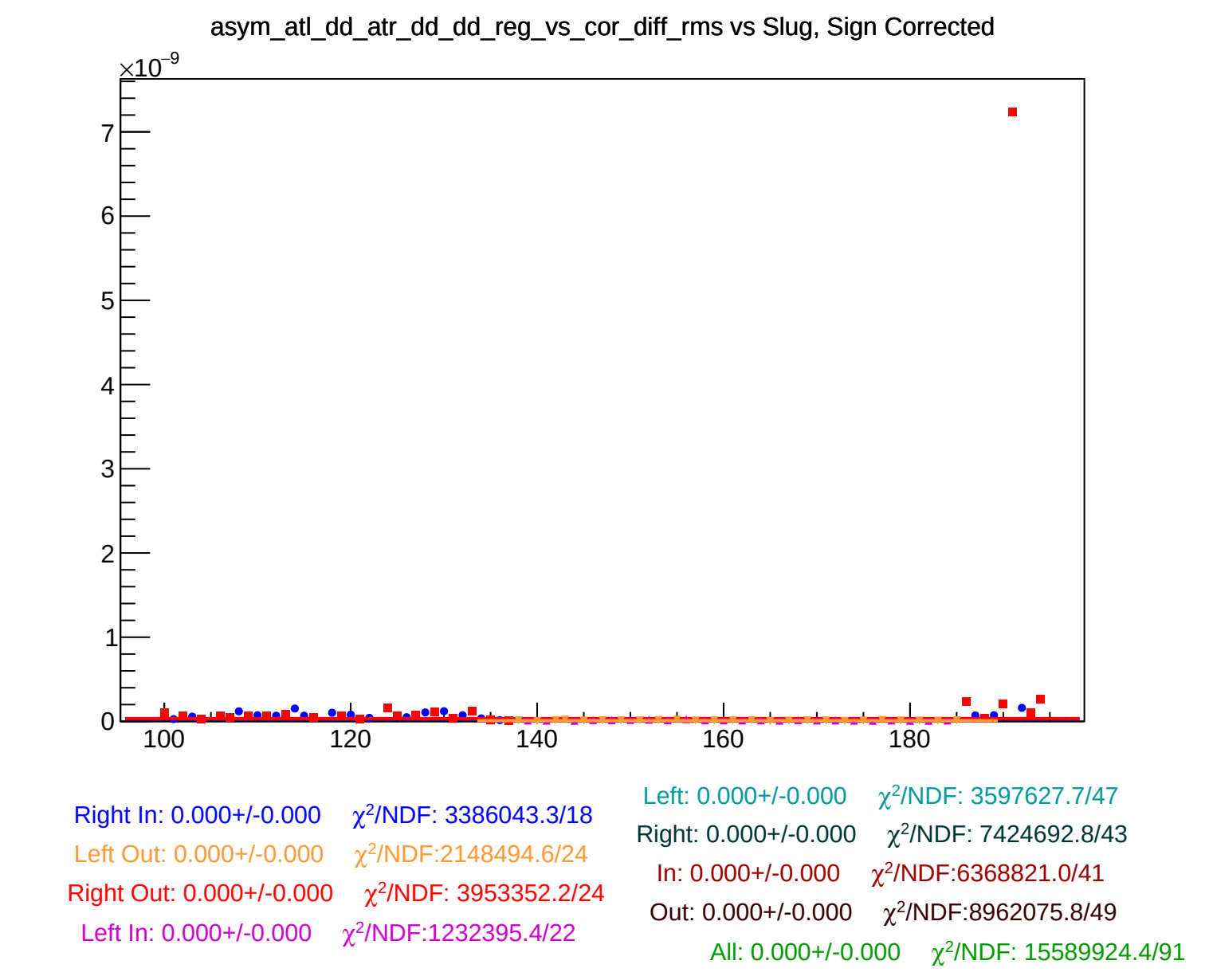
Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

Right: 0.000+/-0.000 χ^2/NDF: 58.7/43

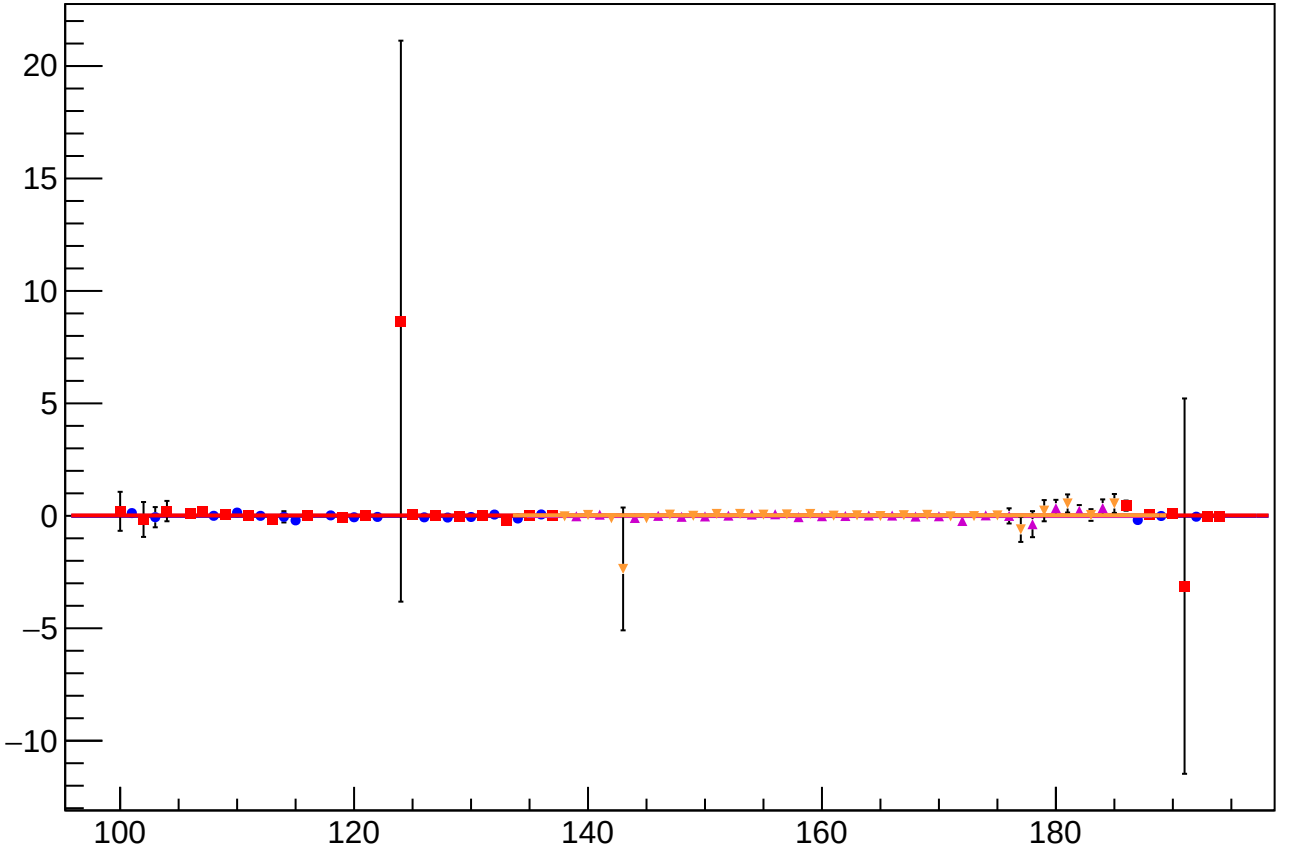
In: 0.000+/-0.000 χ^2/NDF:31.3/41

Out: 0.000+/-0.000 χ^2/NDF:65.8/49

All: 0.000+/-0.000 χ^2/NDF: 97.1/91


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
Right In: 0.000+/-0.000 χ²/NDF: 3386043.3/18
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 3953352.2/24
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: 7424692.8/43
In: 0.000+/-0.000 χ²/NDF:6368821.0/41
Out: 0.000+/-0.000 χ²/NDF:8962075.8/49
All: 0.000+/-0.000 χ²/NDF: 15589924.4/91

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.014 χ^2/NDF: 22.7/18

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.014 χ^2/NDF: 20.3/24

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

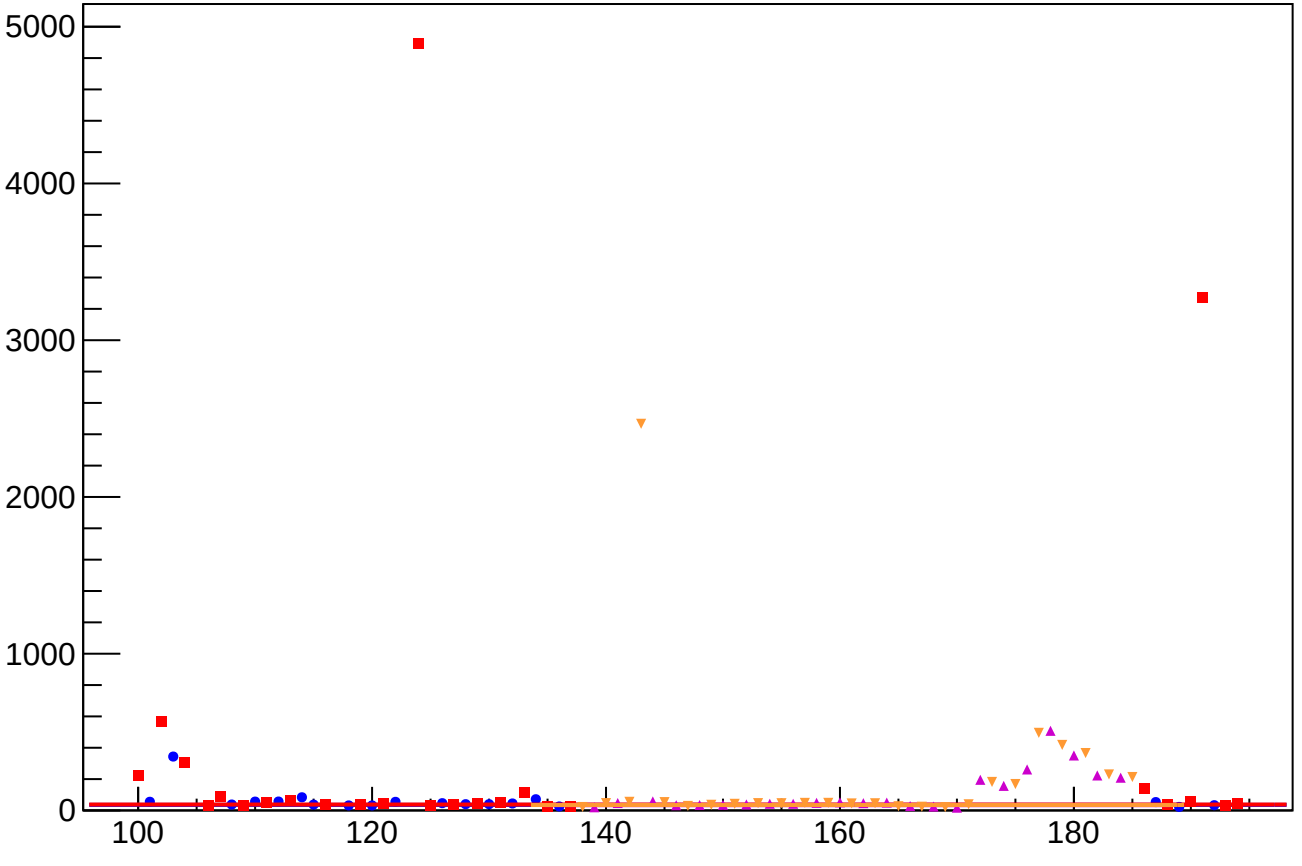
Right: 0.008+/-0.010 χ^2/NDF: 44.0/43

In: -0.007+/-0.008 χ^2/NDF:37.8/41

Out: 0.021+/-0.008 χ^2/NDF:43.3/49

All: 0.007+/-0.006 χ^2/NDF: 87.1/91

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.463+/-0.010 χ^2/NDF: 2259217.2/18

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 37.832+/-0.010 χ^2/NDF: 4096219.1/24

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

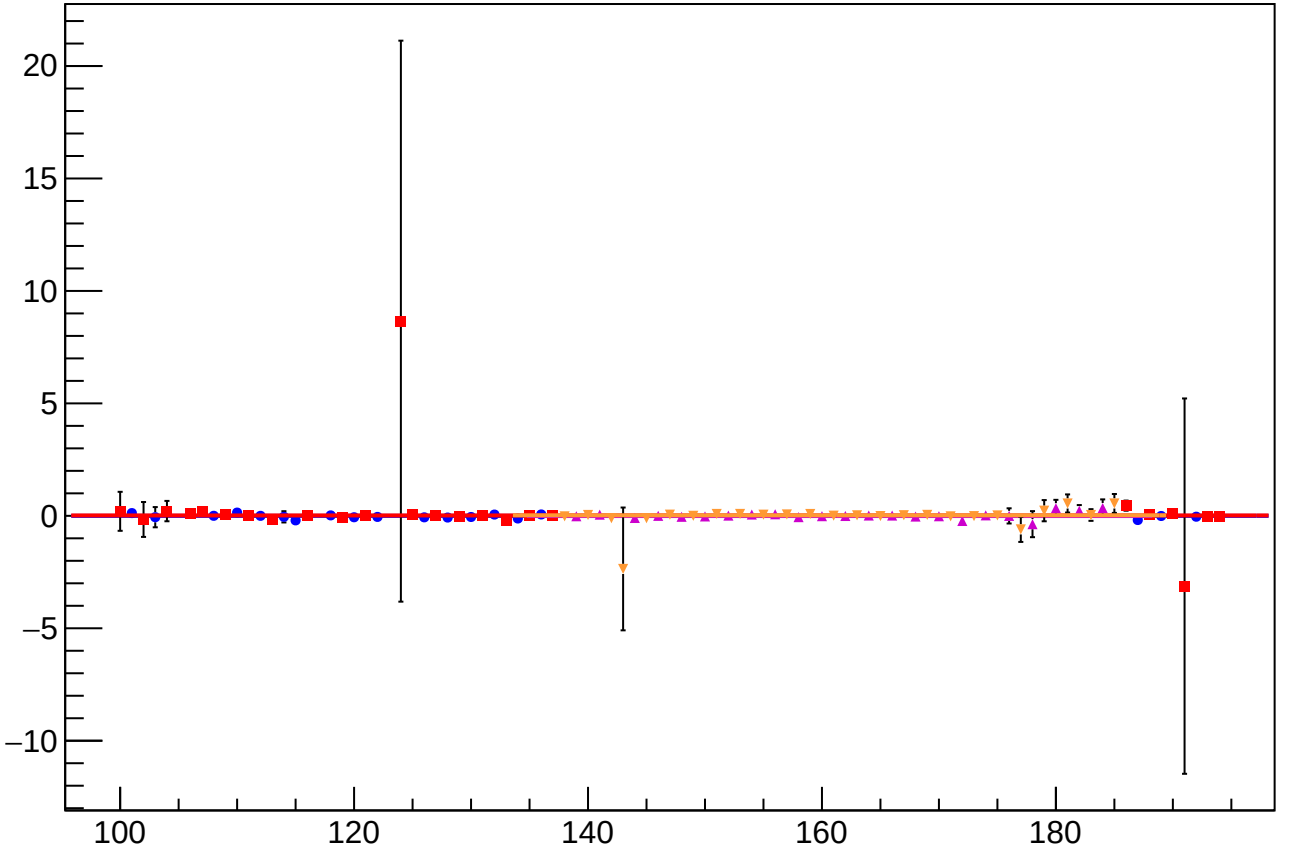
Right: 36.659+/-0.007 χ^2/NDF: 6384983.6/43

In: 34.229+/-0.006 χ^2/NDF:12350772.2/41

Out: 35.767+/-0.006 χ^2/NDF:15569098.3/49

All: 34.987+/-0.004 χ^2/NDF: 27955646.3/91

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.014 χ^2/NDF: 22.7/18

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.014 χ^2/NDF: 20.3/24

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

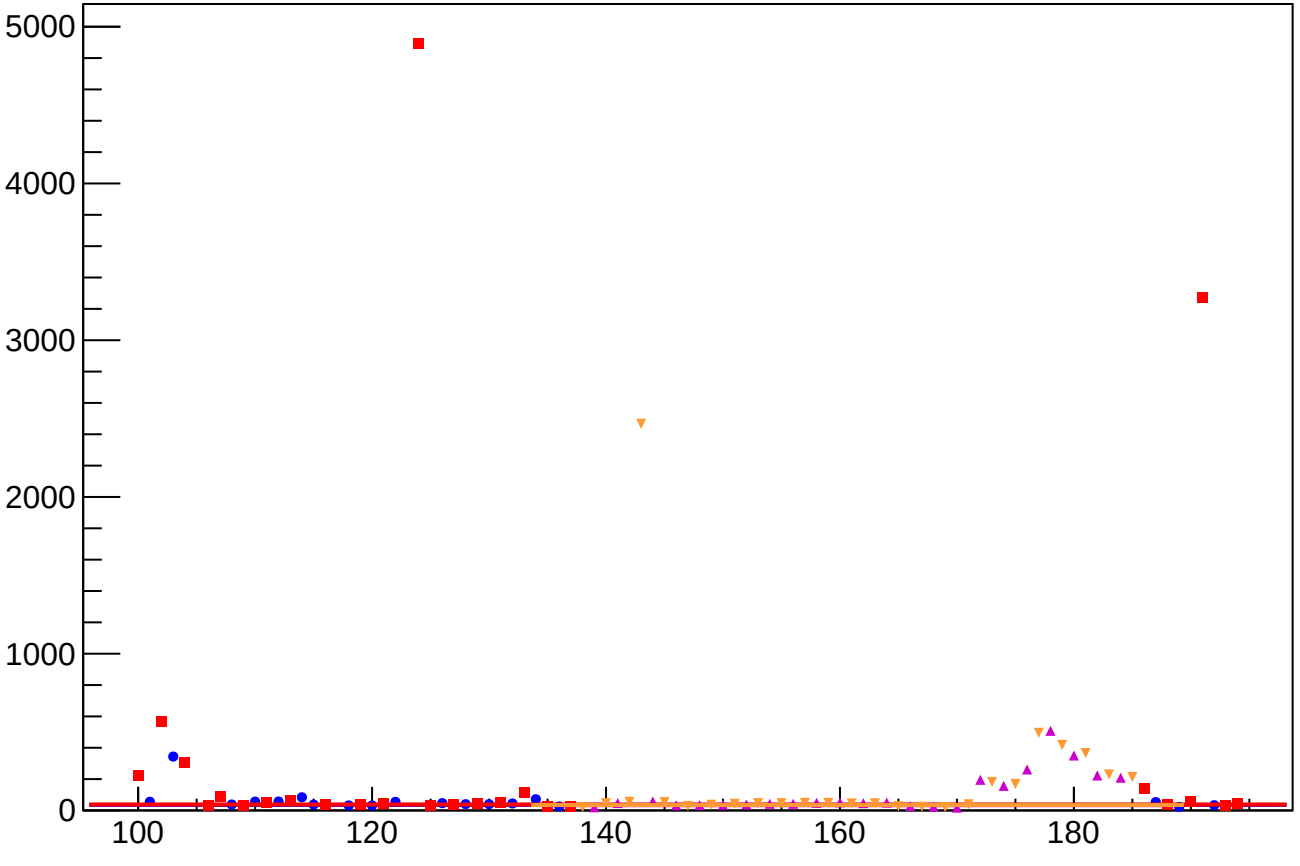
Right: 0.008+/-0.010 χ^2/NDF: 44.0/43

In: -0.007+/-0.008 χ^2/NDF:37.8/41

Out: 0.021+/-0.008 χ^2/NDF:43.3/49

All: 0.007+/-0.006 χ^2/NDF: 87.1/91

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.463+/-0.010 χ^2/NDF: 2259217.2/18

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 37.832+/-0.010 χ^2/NDF: 4096219.1/24

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

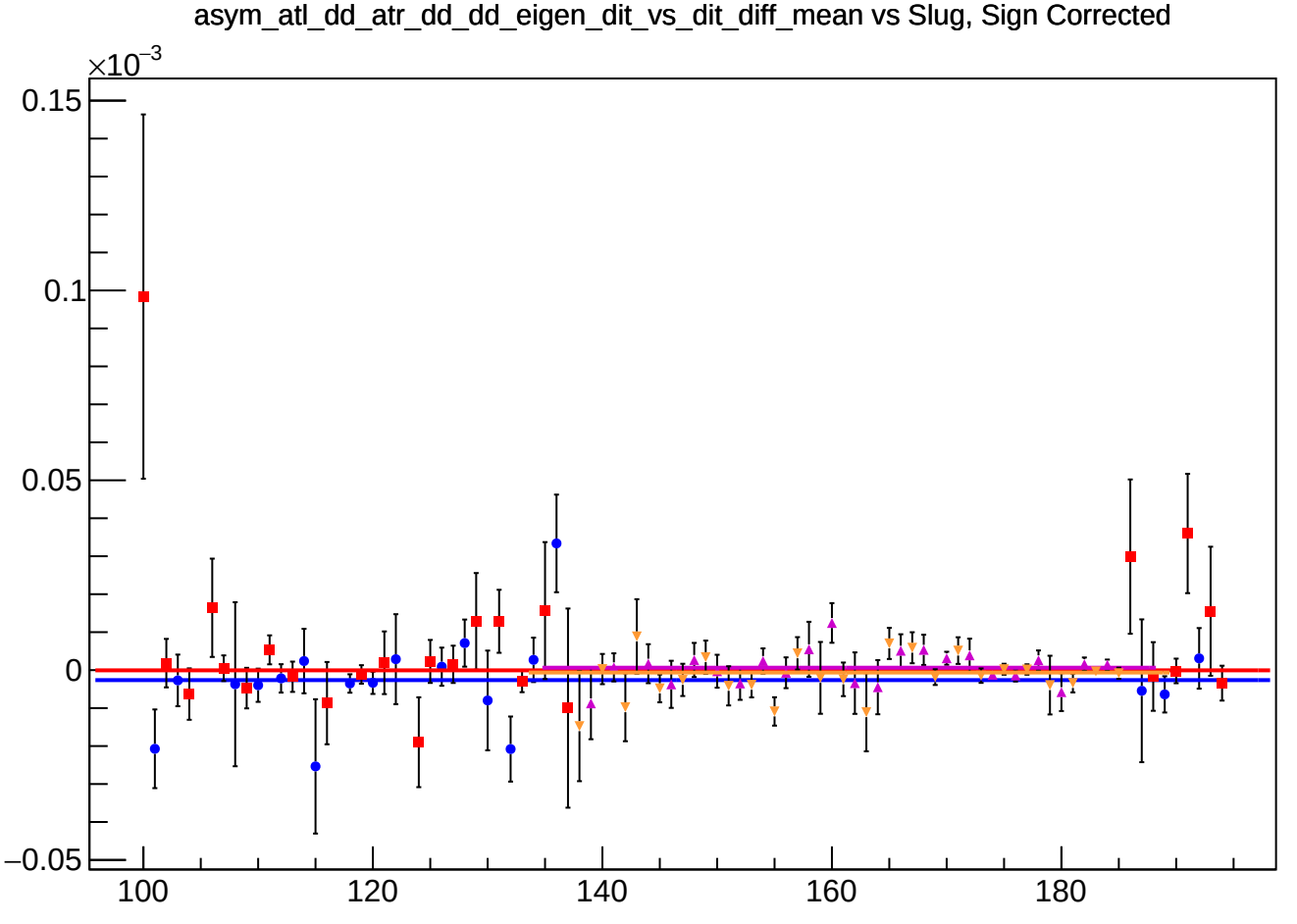
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 36.659+/-0.007 χ^2/NDF: 6384983.6/43

In: 34.229+/-0.006 χ^2/NDF:12350772.2/41

Out: 35.767+/-0.006 χ^2/NDF:15569098.3/49

All: 34.987+/-0.004 χ^2/NDF: 27955646.3/91



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.7/24

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

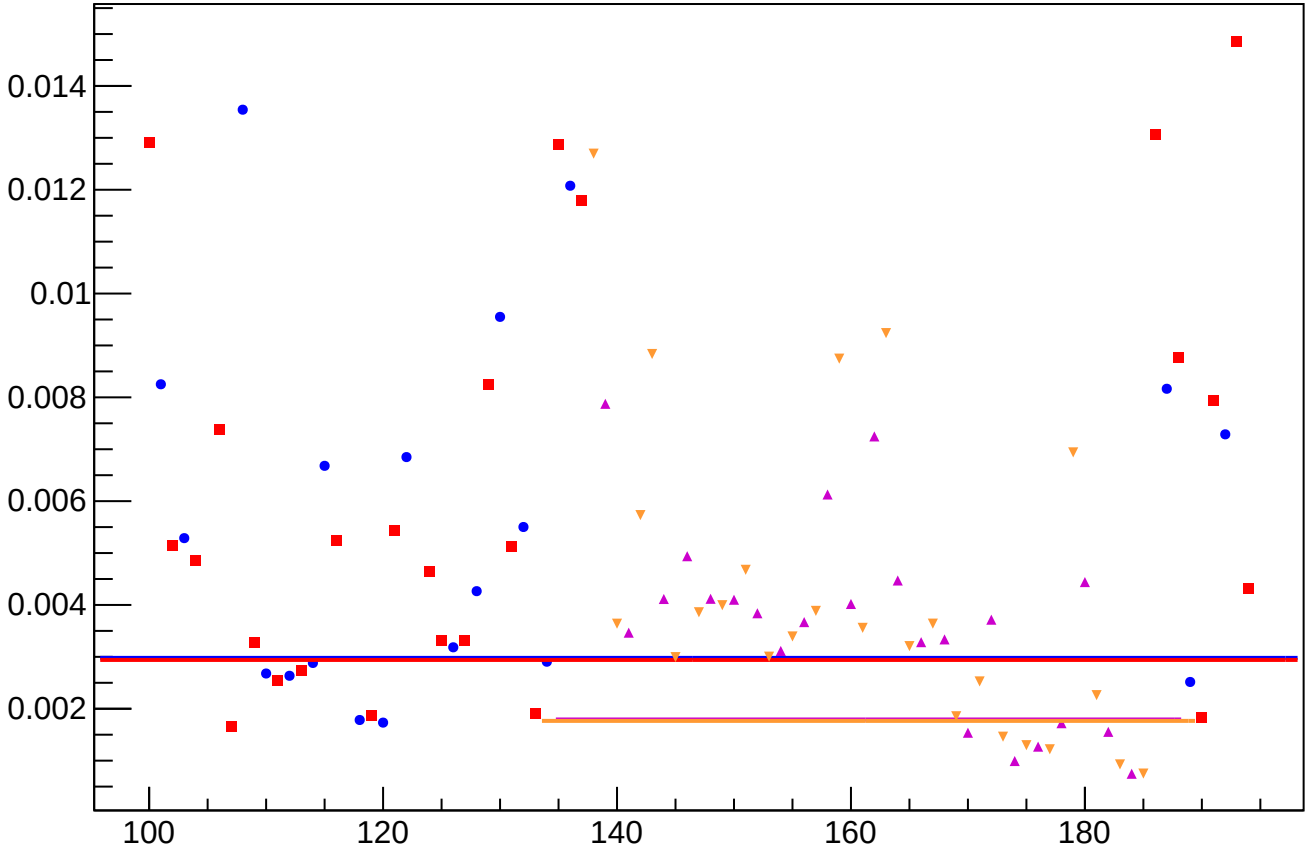
Right: -0.000+/-0.000 χ^2/NDF: 53.2/43

In: 0.000+/-0.000 χ^2/NDF:50.8/41

Out: -0.000+/-0.000 χ^2/NDF:56.4/49

All: -0.000+/-0.000 χ^2/NDF: 108.0/91

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4918690.9/18

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6280650.5/24

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

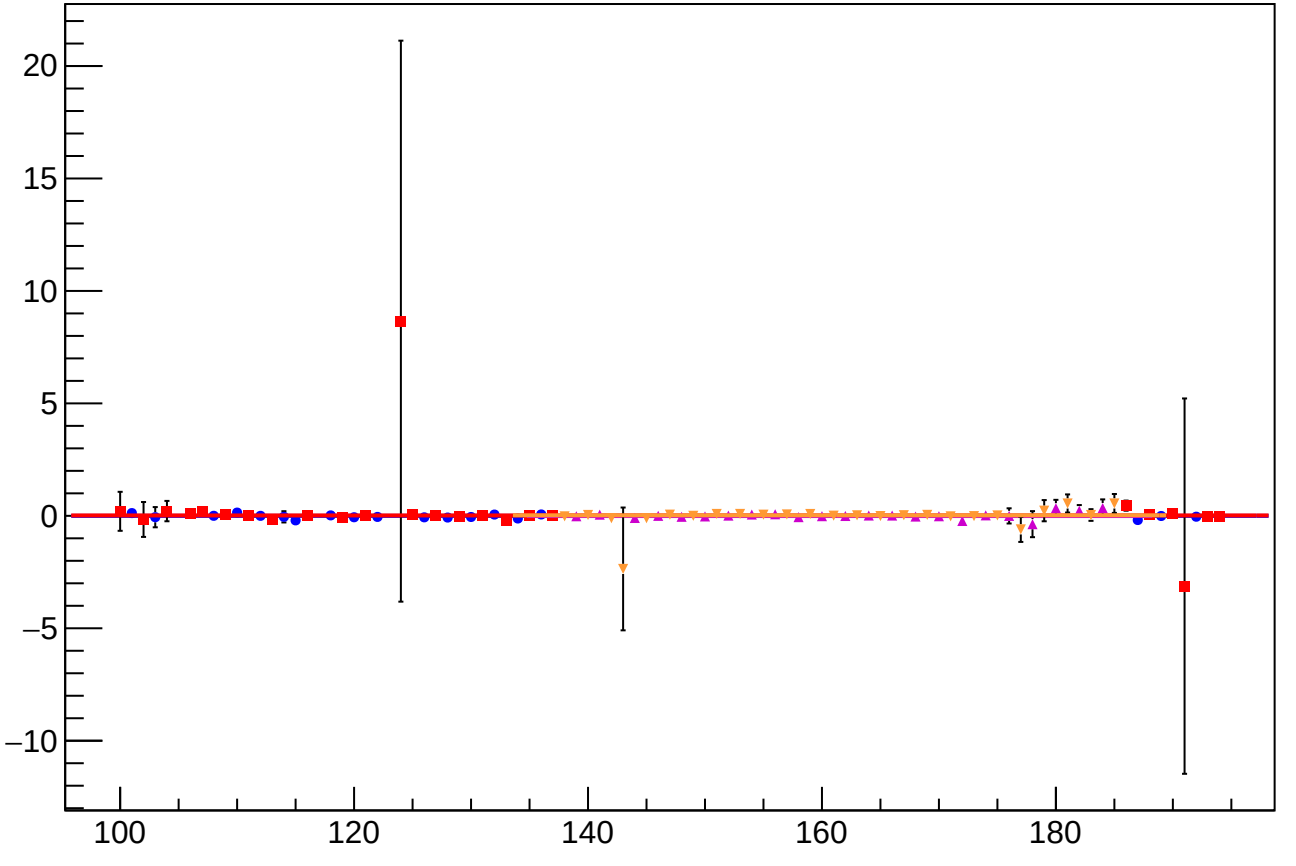
Right: 0.003+/-0.000 χ^2/NDF: 11200514.0/43

In: 0.002+/-0.000 χ^2/NDF:17219452.6/41

Out: 0.002+/-0.000 χ^2/NDF:21197765.1/49

All: 0.002+/-0.000 χ^2/NDF: 38417285.5/91

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.014 χ^2/NDF: 22.7/18

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.014 χ^2/NDF: 20.3/24

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

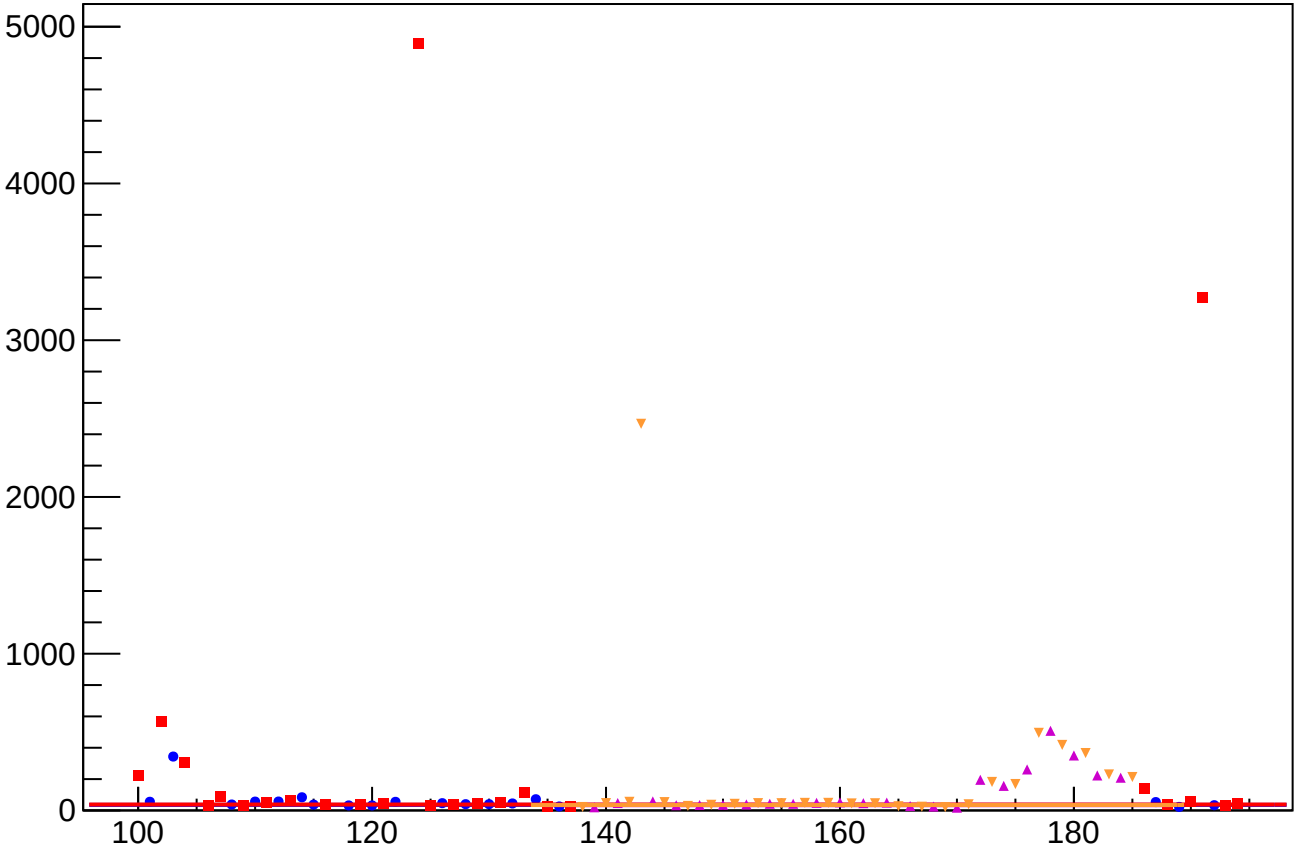
Right: 0.008+/-0.010 χ^2/NDF: 44.0/43

In: -0.007+/-0.008 χ^2/NDF:37.8/41

Out: 0.021+/-0.008 χ^2/NDF:43.3/49

All: 0.007+/-0.006 χ^2/NDF: 87.1/91

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.465+/-0.010 χ^2/NDF: 2258575.1/18

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.833+/-0.010 χ^2/NDF: 4095928.6/24

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

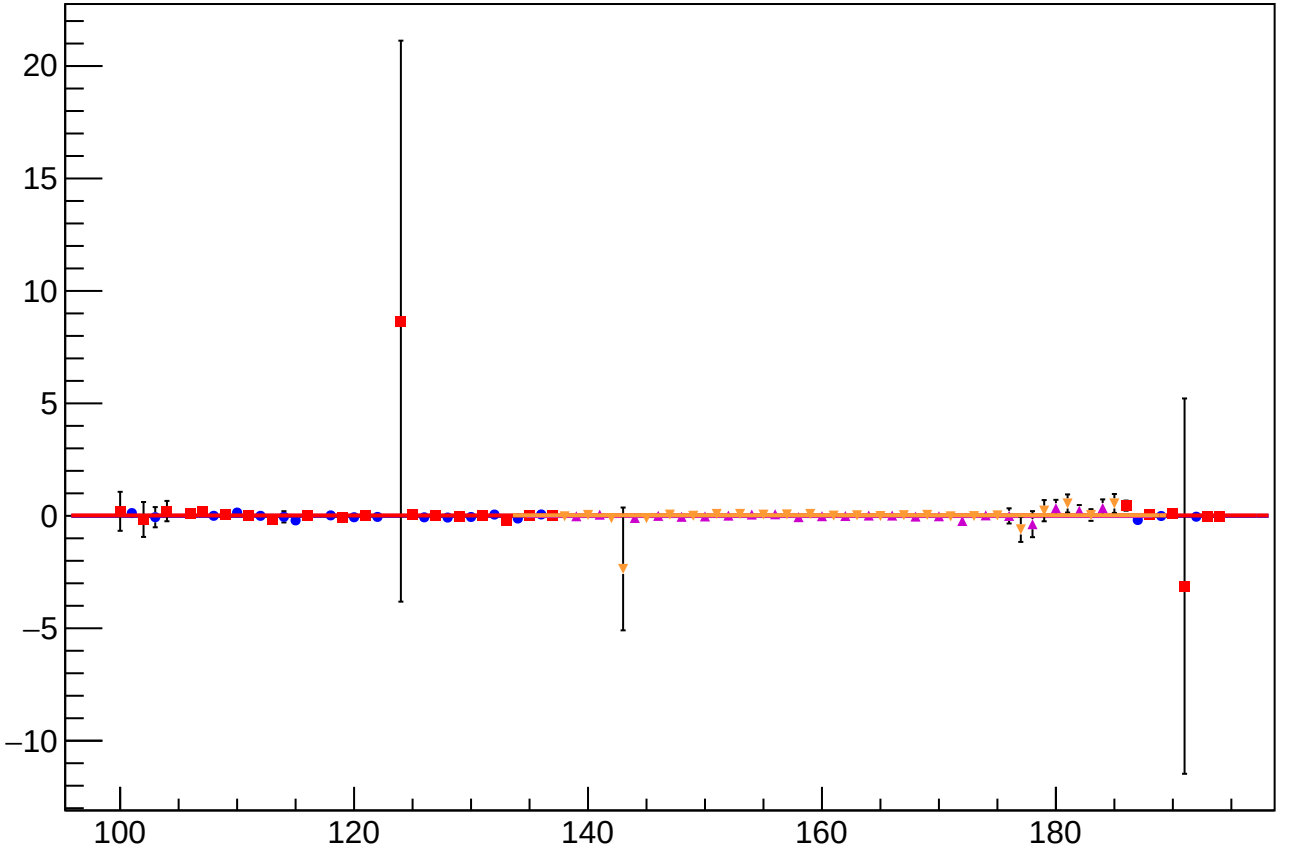
Right: 36.660+/-0.007 χ^2/NDF: 6384010.4/43

In: 34.231+/-0.006 χ^2/NDF:12348857.2/41

Out: 35.766+/-0.006 χ^2/NDF:15568993.5/49

All: 34.988+/-0.004 χ^2/NDF: 27953500.4/91

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.014 χ^2/NDF: 22.7/18

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.014 χ^2/NDF: 20.3/24

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

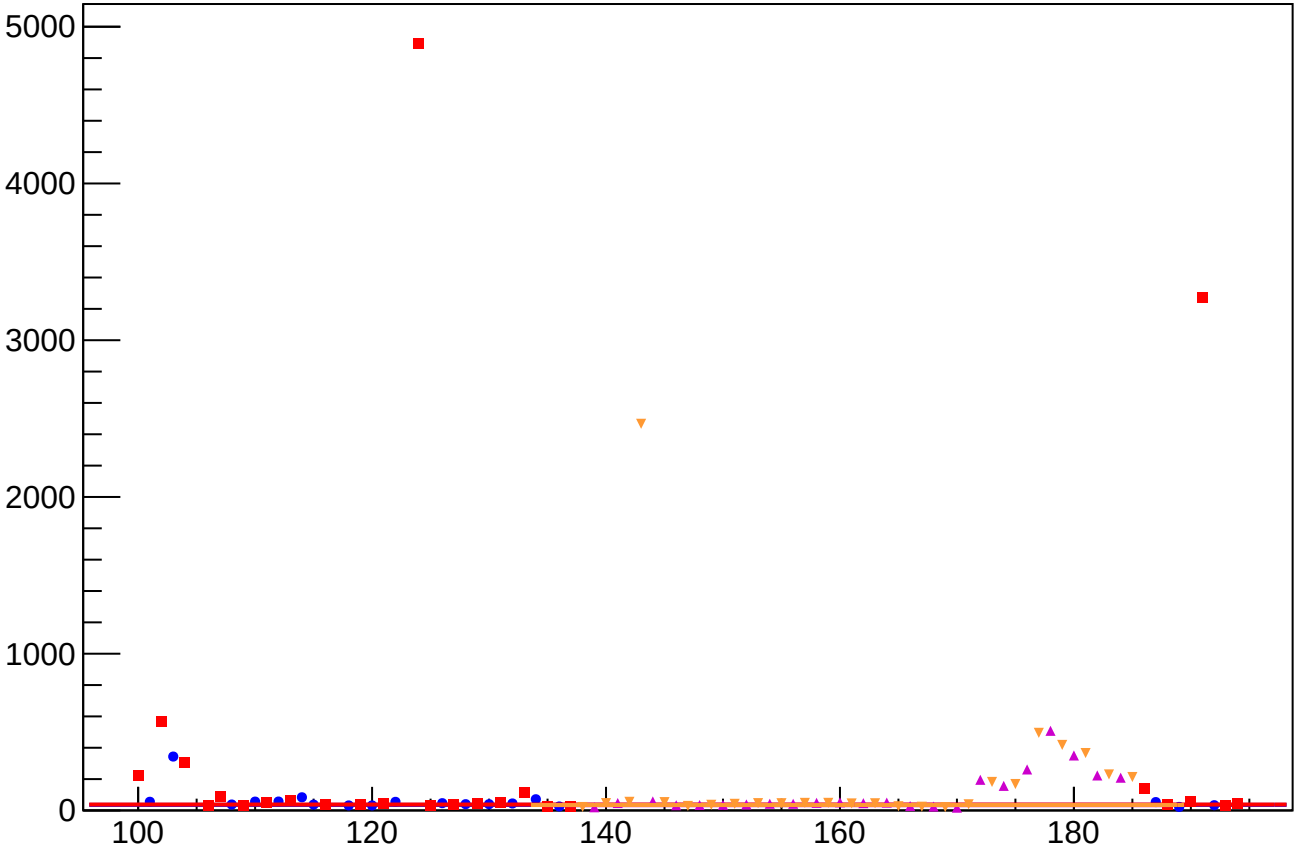
Right: 0.008+/-0.010 χ^2/NDF: 44.0/43

In: -0.007+/-0.008 χ^2/NDF:37.8/41

Out: 0.021+/-0.008 χ^2/NDF:43.3/49

All: 0.007+/-0.006 χ^2/NDF: 87.1/91

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.465+/-0.010 χ^2/NDF: 2258575.1/18

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.833+/-0.010 χ^2/NDF: 4095928.6/24

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

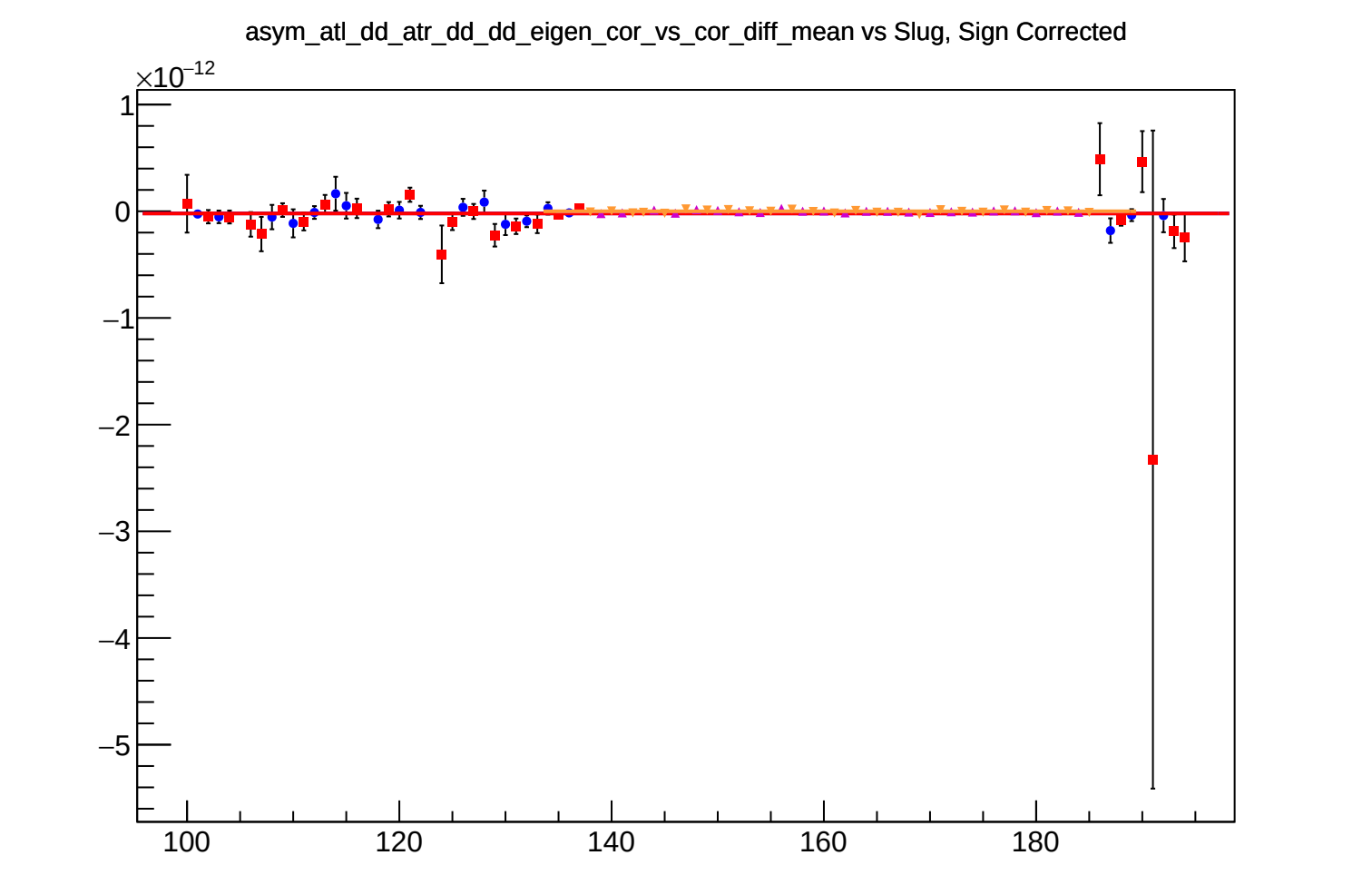
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 36.660+/-0.007 χ^2/NDF: 6384010.4/43

In: 34.231+/-0.006 χ^2/NDF:12348857.2/41

Out: 35.766+/-0.006 χ^2/NDF:15568993.5/49

All: 34.988+/-0.004 χ^2/NDF: 27953500.4/91



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.9/24

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

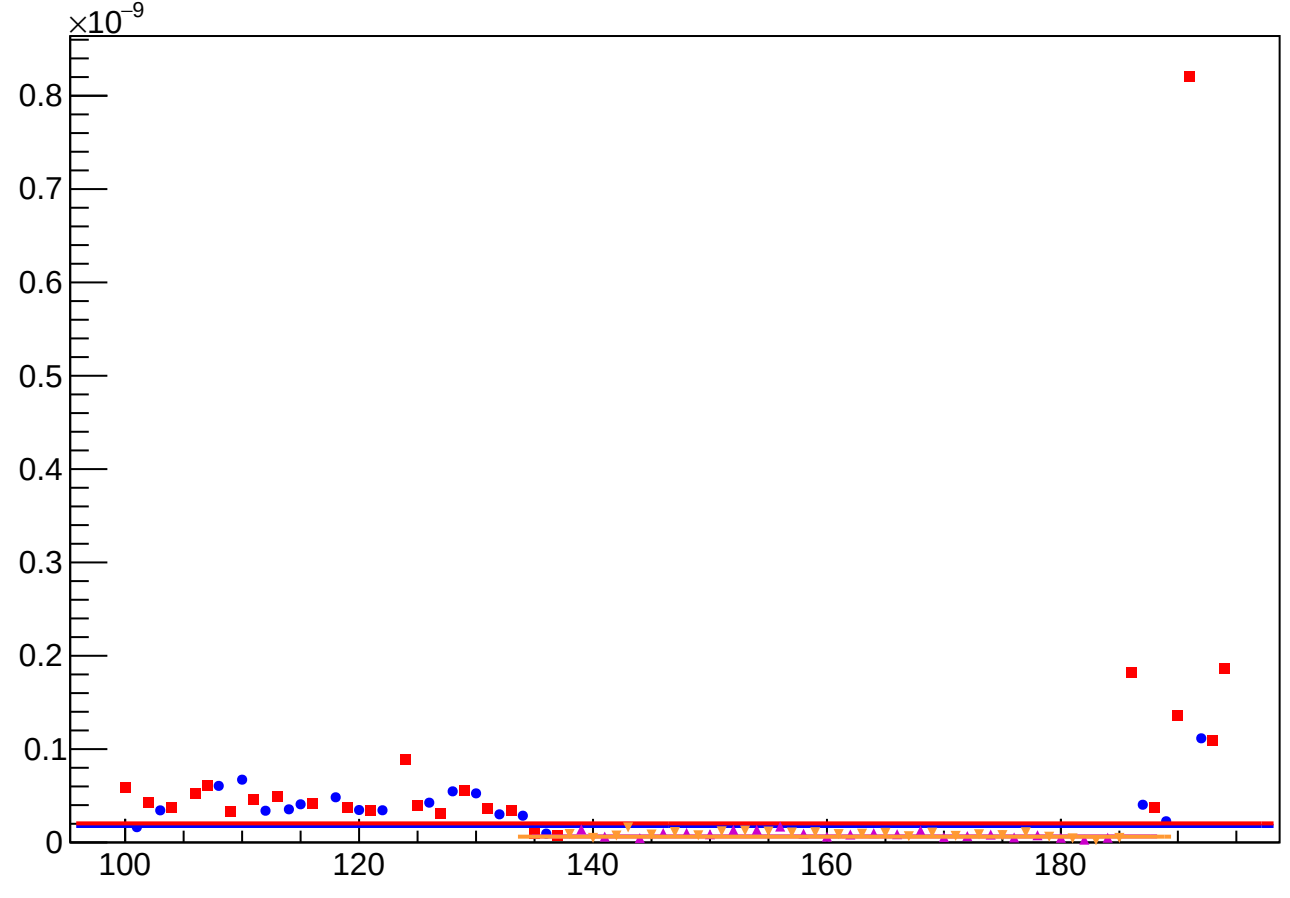
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

Right: -0.000+/-0.000 χ^2/NDF: 47.3/43

In: -0.000+/-0.000 χ^2/NDF:33.6/41

Out: -0.000+/-0.000 χ^2/NDF:66.5/49

All: -0.000+/-0.000 χ^2/NDF: 100.6/91



Right In: 0.000+/-0.000 χ^2/NDF: 4037876.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6635620.7/24

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

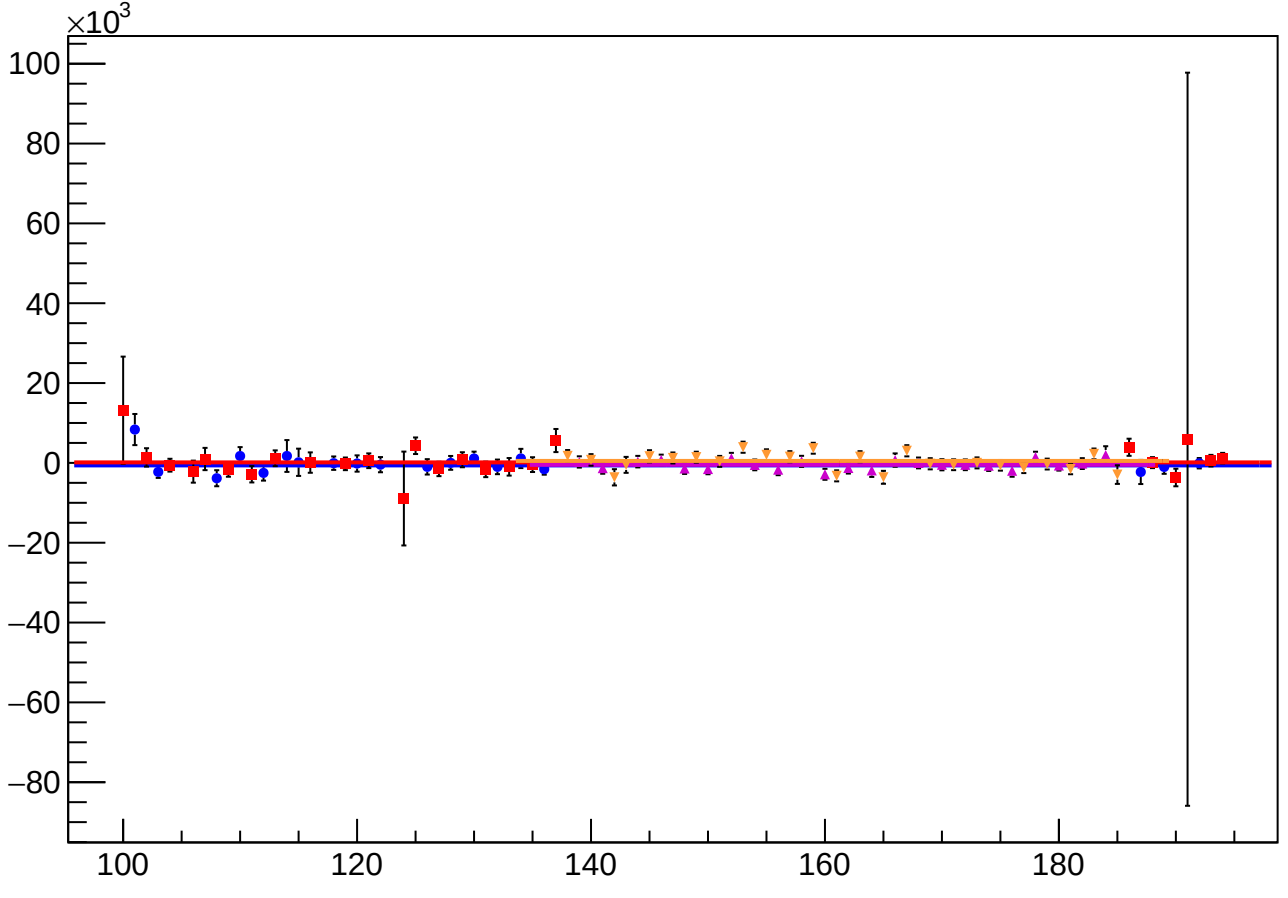
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 10747757.6/43

In: 0.000+/-0.000 χ^2/NDF:10561319.0/41

Out: 0.000+/-0.000 χ^2/NDF:15107973.1/49

All: 0.000+/-0.000 χ^2/NDF: 25693023.5/91



Right In: -629.002+/-437.603 χ^2/NDF: 14.4/18

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 122.782+/-402.054 χ^2/NDF: 22.8/24

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

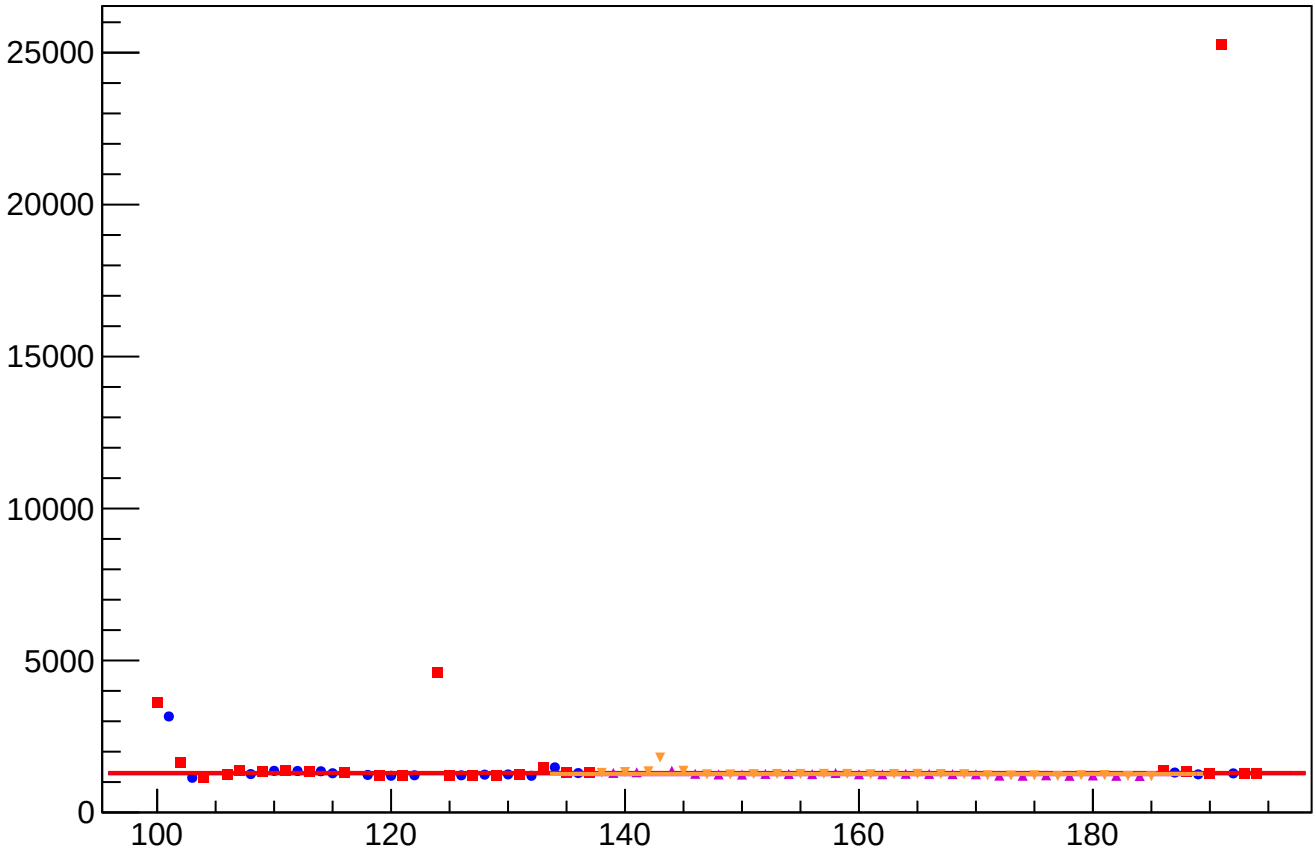
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -221.338+/-296.066 χ^2/NDF: 38.8/43

In: -530.991+/-243.906 χ^2/NDF:28.9/41

Out: 366.551+/-234.395 χ^2/NDF:70.3/49

All: -64.380+/-169.005 χ^2/NDF: 106.2/91



Right In: 1287.289+/-0.309 χ^2/NDF: 515593.7/18

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1302.077+/-0.284 χ^2/NDF: 465491.2/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

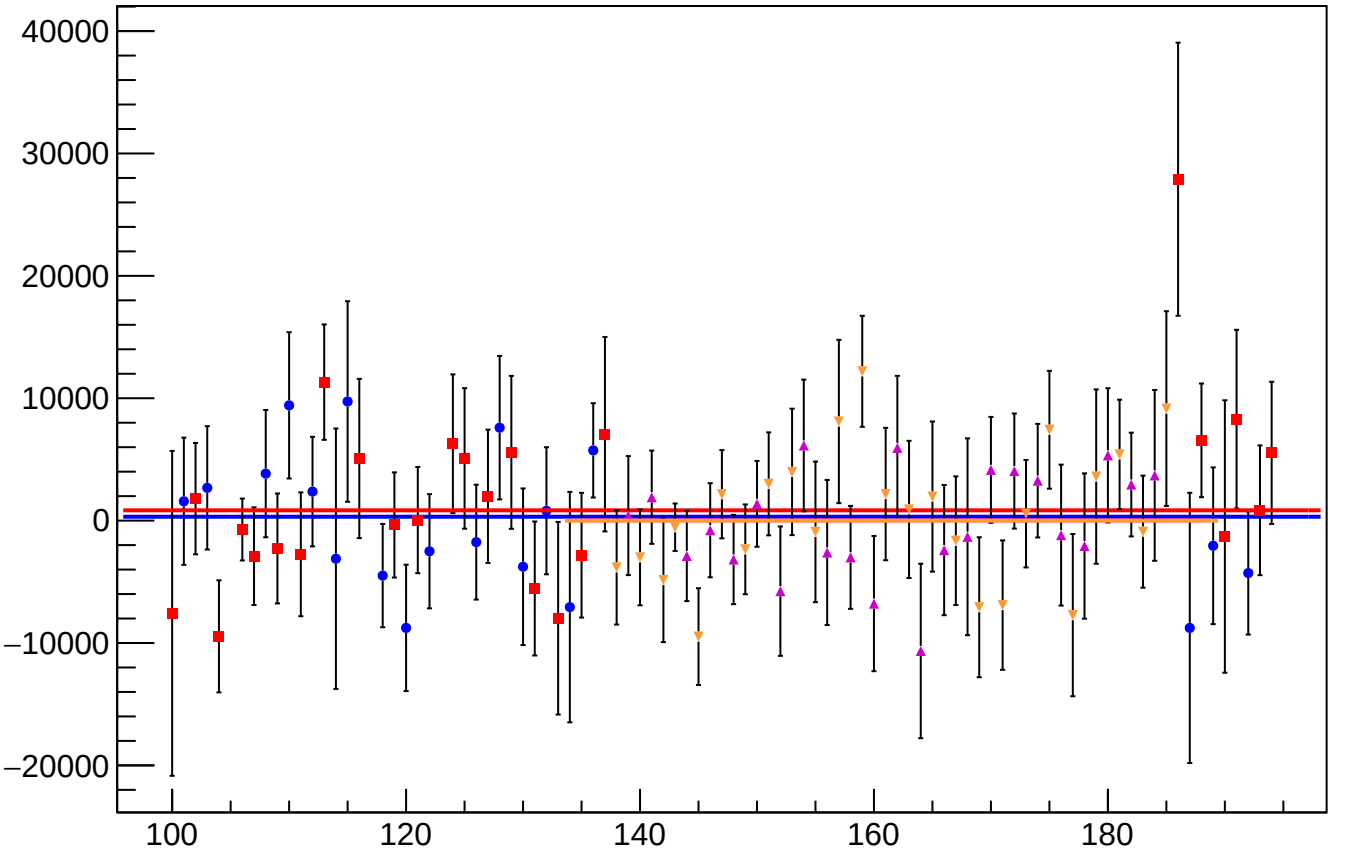
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1295.321+/-0.209 χ^2/NDF: 982325.3/43

In: 1266.790+/-0.172 χ^2/NDF:558776.7/41

Out: 1278.929+/-0.166 χ^2/NDF:663128.1/49

All: 1273.104+/-0.119 χ^2/NDF: 1224481.7/91



Right In: 317.922+/-1248.509 χ^2/NDF: 15.9/18

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 841.152+/-1022.496 χ^2/NDF: 28.2/24

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

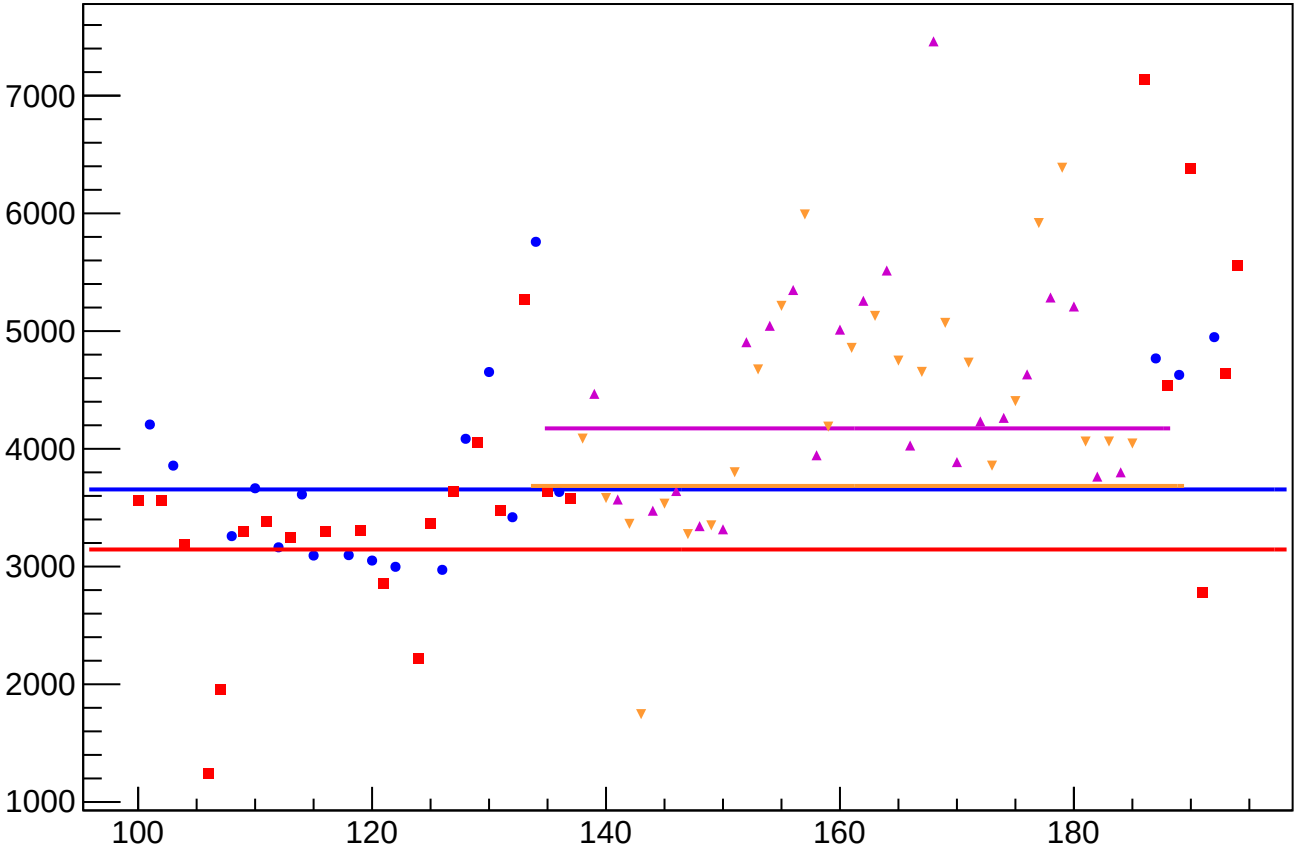
Right: 631.099+/-791.061 χ^2/NDF: 44.1/43

In: 142.859+/-778.287 χ^2/NDF:29.9/41

Out: 360.605+/-669.804 χ^2/NDF:57.6/49

All: 267.953+/-507.682 χ^2/NDF: 87.6/91

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3655.027+/-0.883 χ^2/NDF: 577740.2/18

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3144.971+/-0.723 χ^2/NDF: 2757144.2/24

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

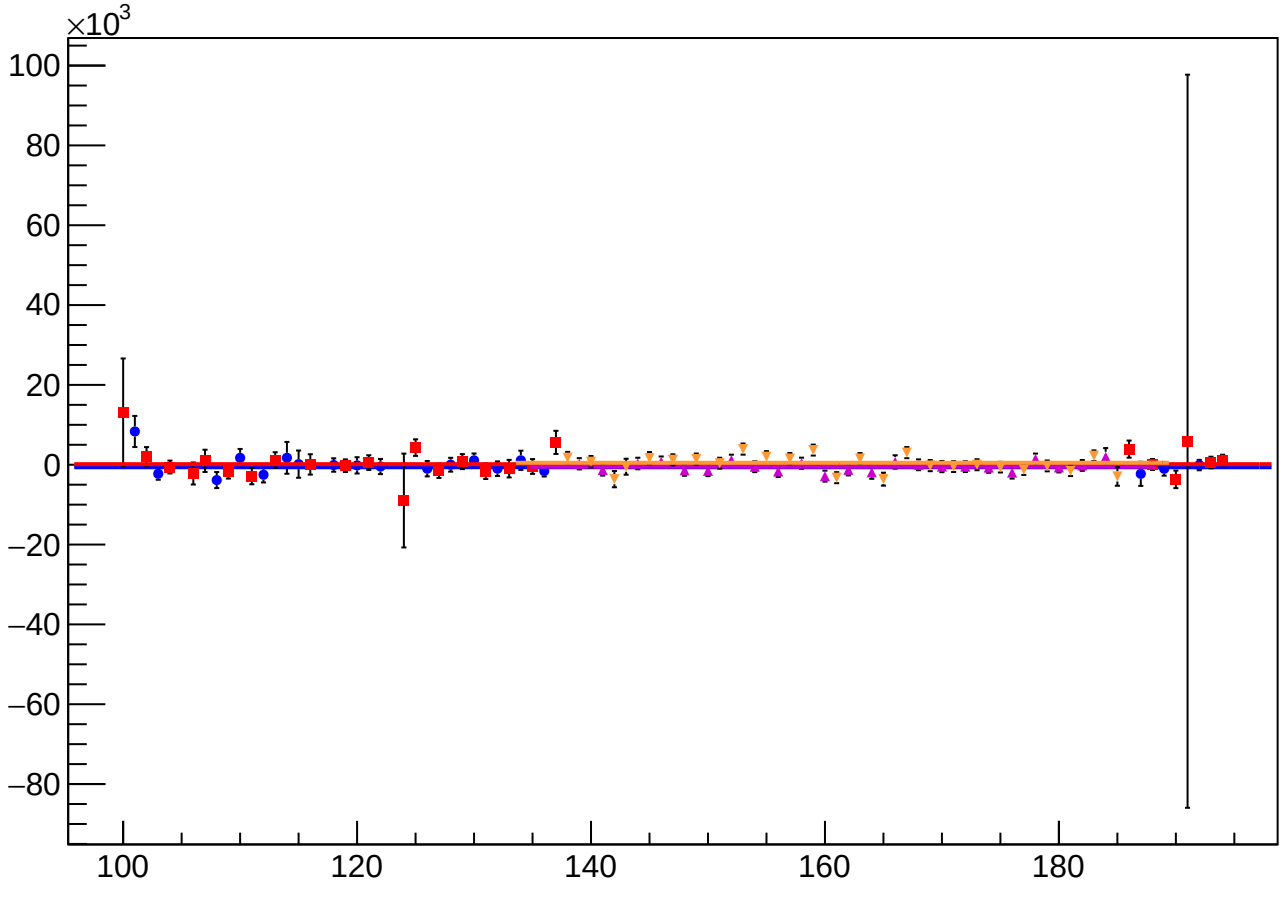
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3349.735+/-0.559 χ^2/NDF: 3534676.8/43

In: 3972.059+/-0.550 χ^2/NDF:2063631.1/41

Out: 3453.134+/-0.474 χ^2/NDF:6769004.2/49

All: 3673.938+/-0.359 χ^2/NDF: 9343430.2/91



Right In: -629.317+/-437.603 χ^2/NDF: 14.4/18

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 142.652+/-402.235 χ^2/NDF: 23.2/24

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

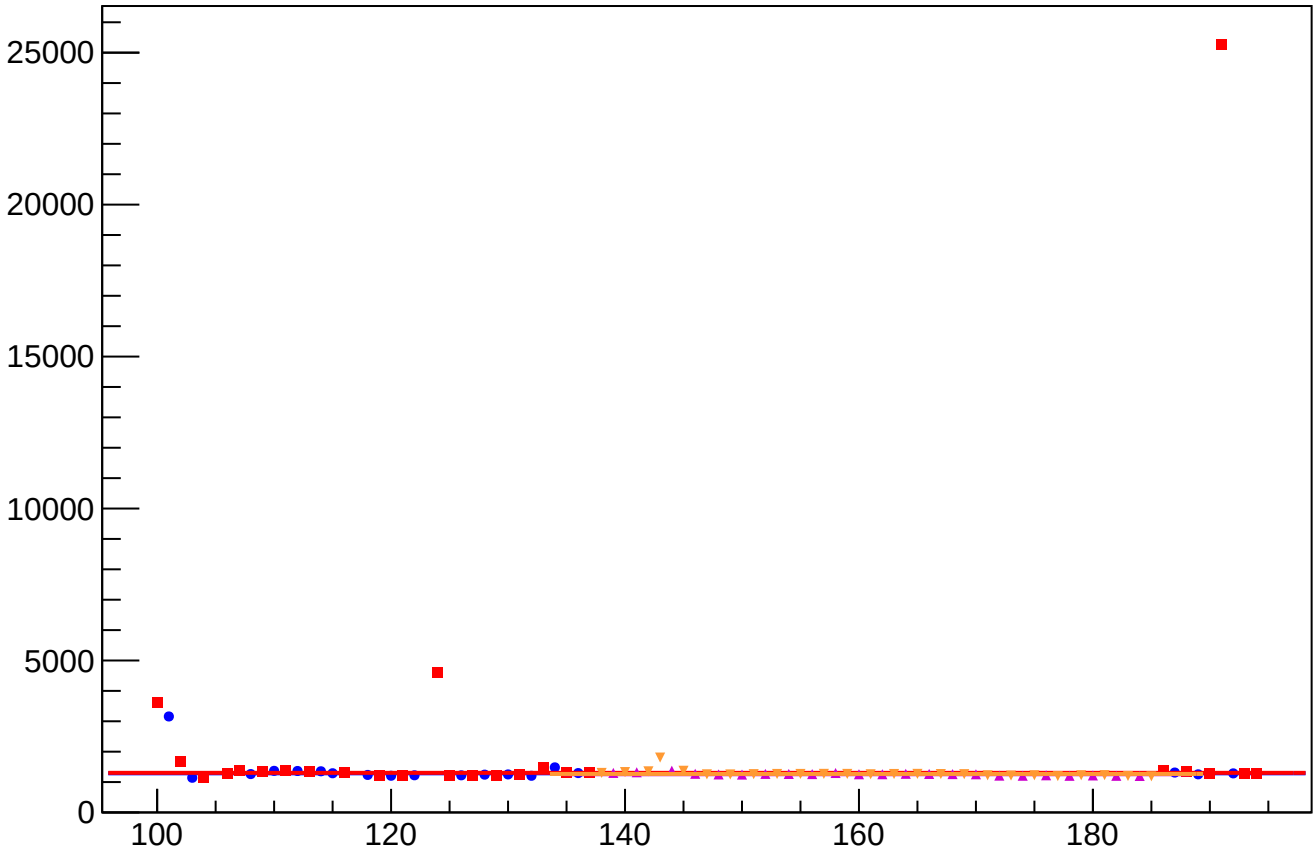
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -210.880+/-296.139 χ^2/NDF: 39.3/43

In: -531.019+/-243.906 χ^2/NDF:28.9/41

Out: 373.385+/-234.431 χ^2/NDF:70.6/49

All: -60.909+/-169.018 χ^2/NDF: 106.7/91



Right In: 1287.289+/-0.309 χ^2/NDF: 515595.1/18

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1303.463+/-0.284 χ^2/NDF: 471917.6/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

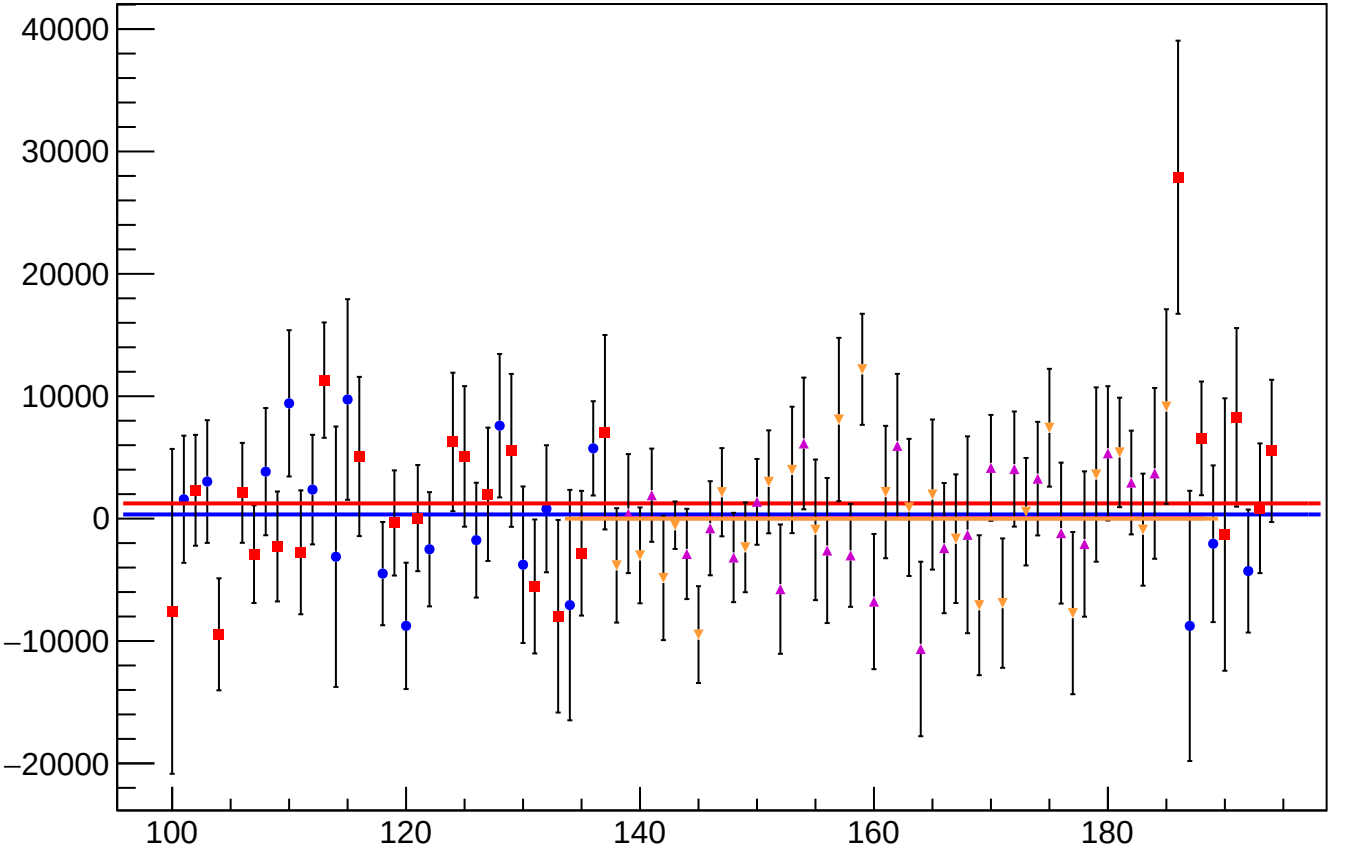
Right: 1296.066+/-0.209 χ^2/NDF: 988995.3/43

In: 1266.790+/-0.172 χ^2/NDF:558778.1/41

Out: 1279.385+/-0.166 χ^2/NDF:670352.9/49

All: 1273.339+/-0.119 χ^2/NDF: 1231904.4/91

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 341.091+/-1248.128 χ^2/NDF: 15.9/18

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1242.874+/-1077.835 χ^2/NDF: 27.8/24

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

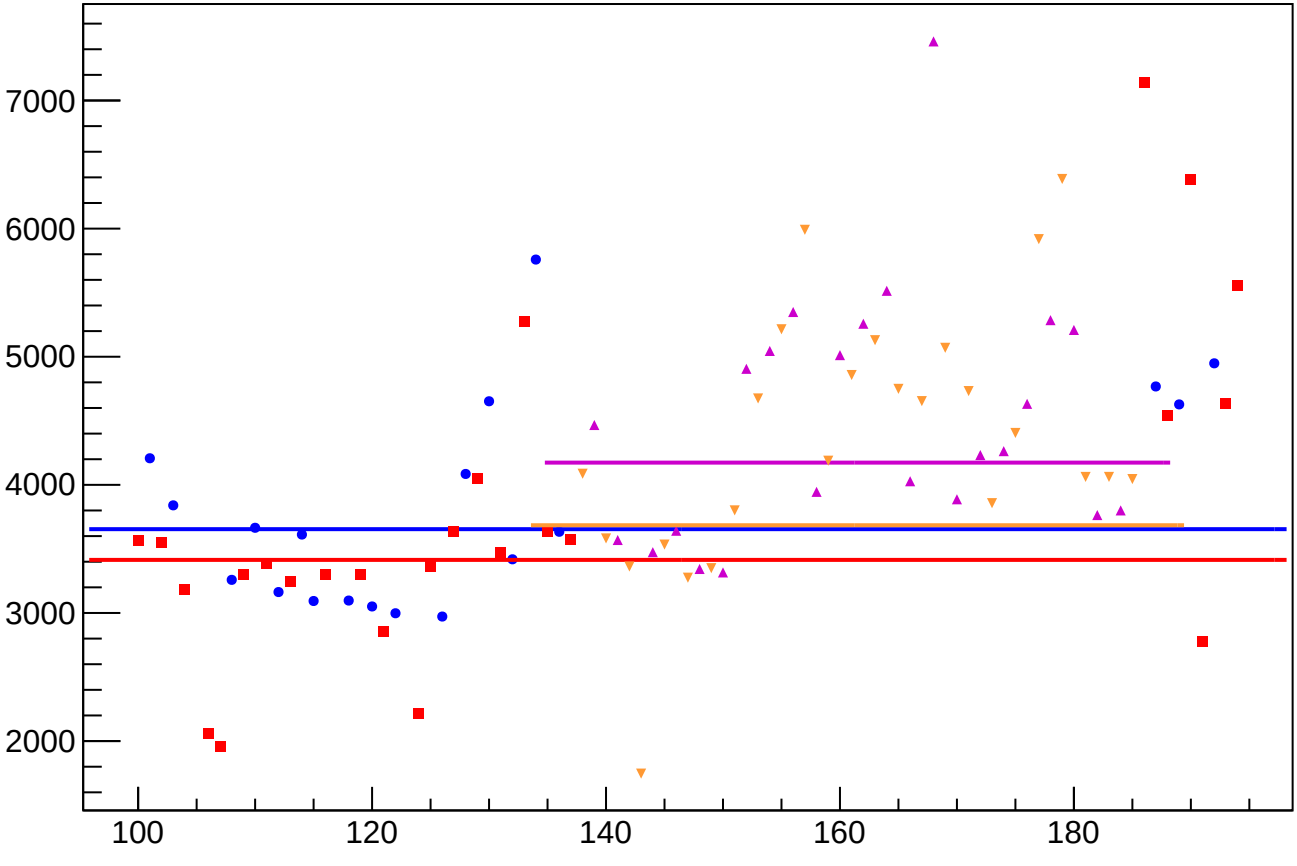
Right: 857.654+/-815.761 χ^2/NDF: 44.0/43

In: 151.909+/-778.194 χ^2/NDF:30.0/41

Out: 501.181+/-684.662 χ^2/NDF:57.7/49

All: 348.786+/-514.034 χ^2/NDF: 87.8/91

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3654.127+/-0.883 χ^2/NDF: 577322.7/18

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3414.267+/-0.762 χ^2/NDF: 1639771.3/24

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

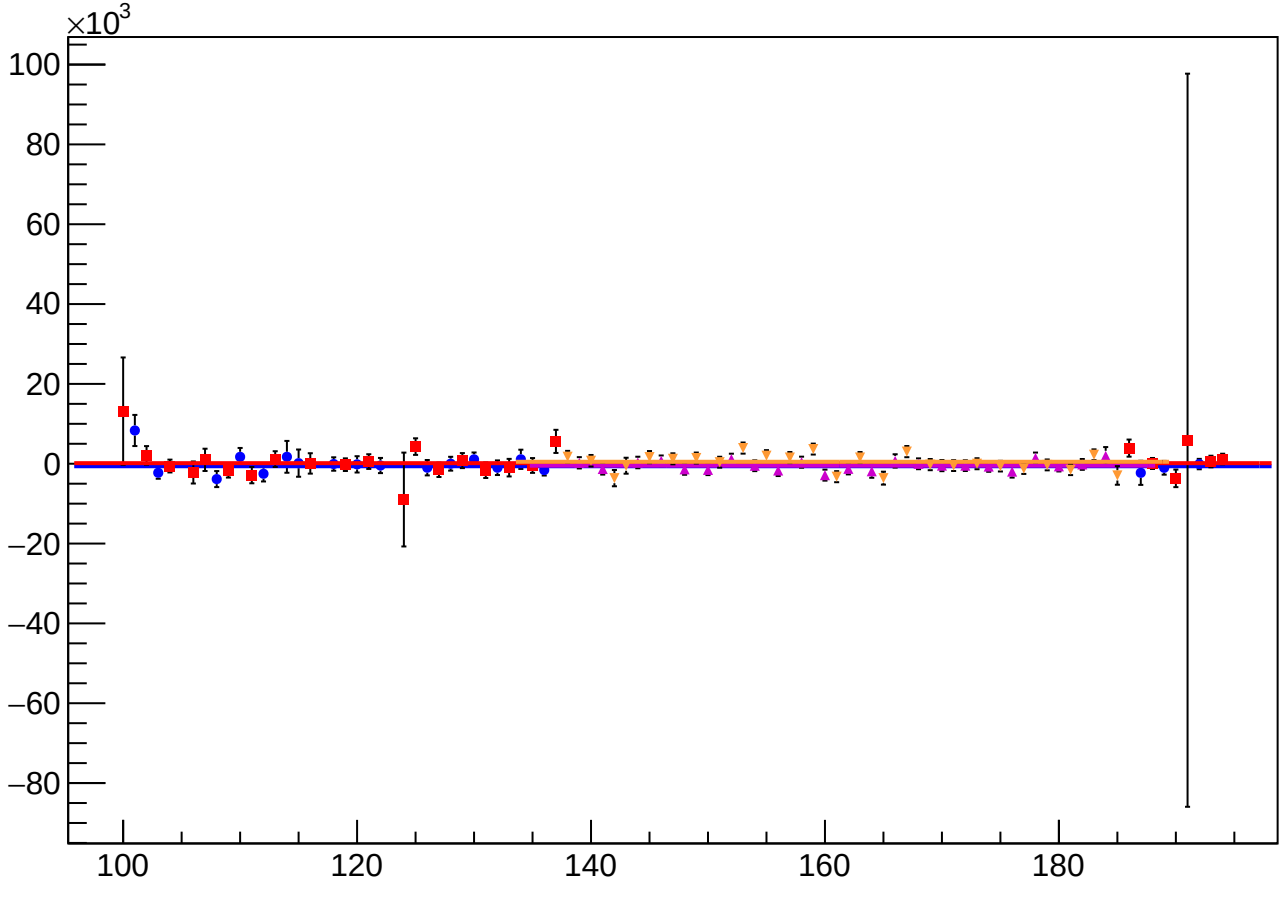
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3516.729+/-0.577 χ^2/NDF: 2259404.5/43

In: 3971.630+/-0.550 χ^2/NDF:2064019.8/41

Out: 3575.616+/-0.484 χ^2/NDF:5408595.2/49

All: 3748.406+/-0.363 χ^2/NDF: 7764564.0/91



Right In: -629.317+/-437.603 χ^2/NDF: 14.4/18

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 142.652+/-402.235 χ^2/NDF: 23.2/24

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

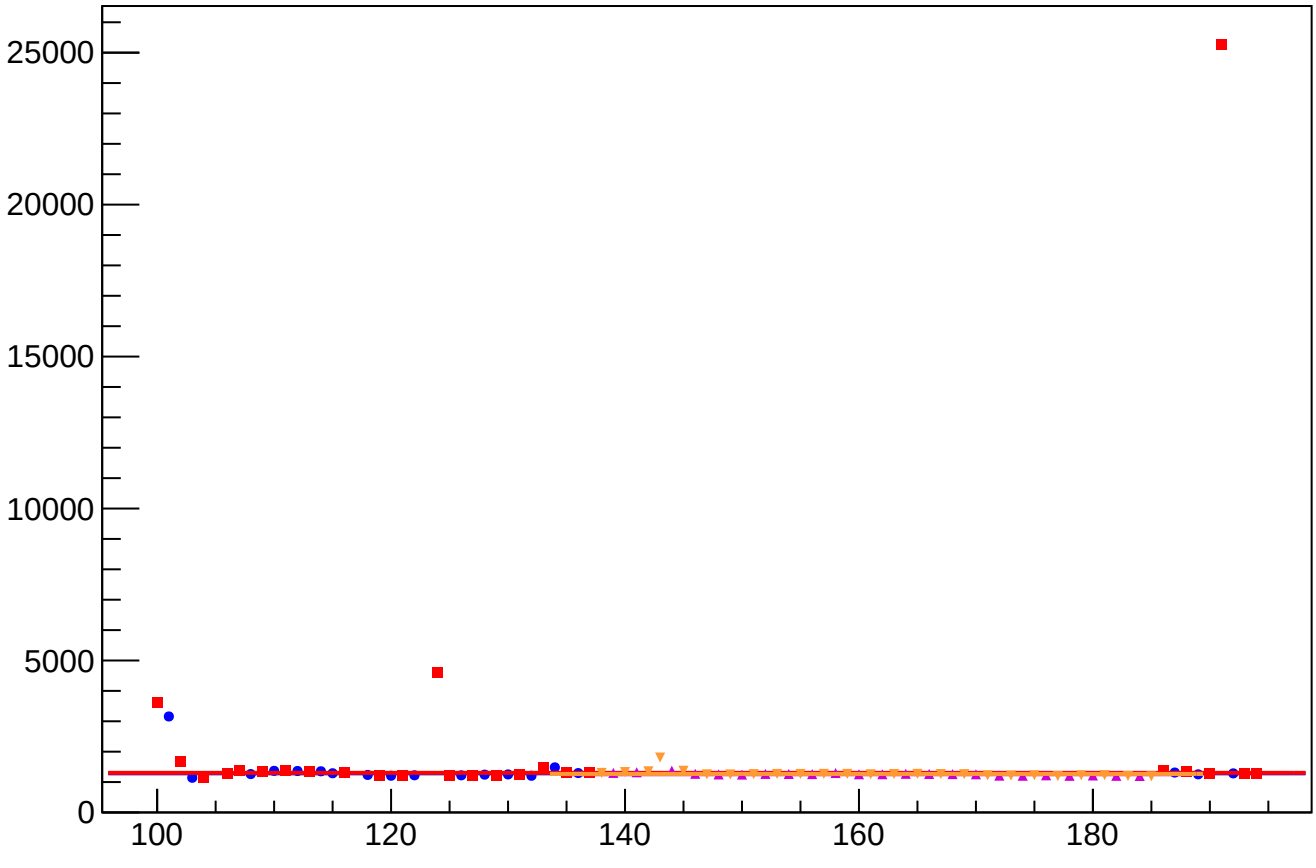
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -210.880+/-296.139 χ^2/NDF: 39.3/43

In: -531.019+/-243.906 χ^2/NDF:28.9/41

Out: 373.385+/-234.431 χ^2/NDF:70.6/49

All: -60.909+/-169.018 χ^2/NDF: 106.7/91



Right In: 1287.289+/-0.309 χ^2/NDF: 515595.1/18

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1303.463+/-0.284 χ^2/NDF: 471917.6/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

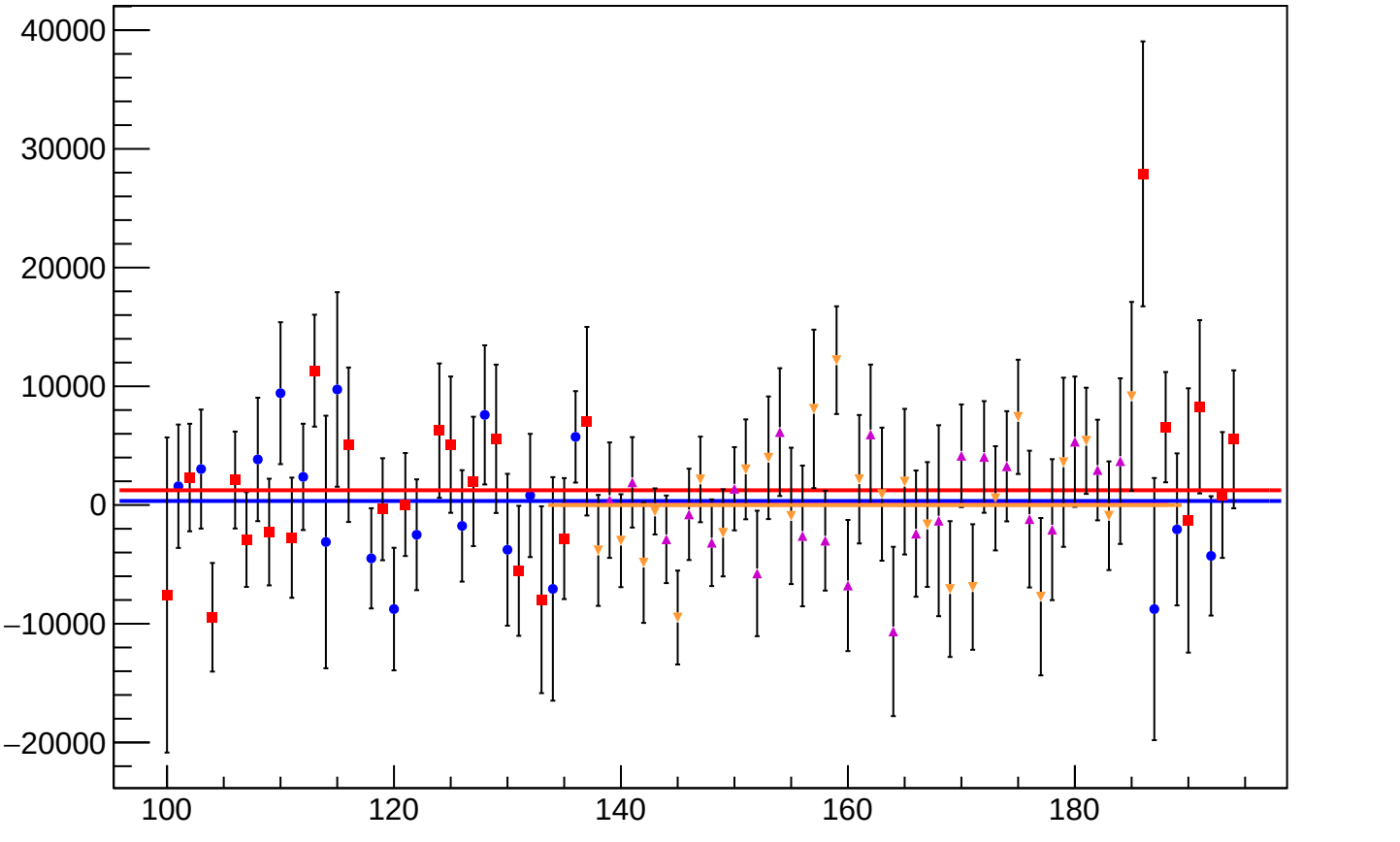
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1296.066+/-0.209 χ^2/NDF: 988995.3/43

In: 1266.790+/-0.172 χ^2/NDF:558778.1/41

Out: 1279.385+/-0.166 χ^2/NDF:670352.9/49

All: 1273.339+/-0.119 χ^2/NDF: 1231904.4/91



Right In: 341.091+/-1248.128 χ^2/NDF: 15.9/18

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1242.874+/-1077.835 χ^2/NDF: 27.8/24

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

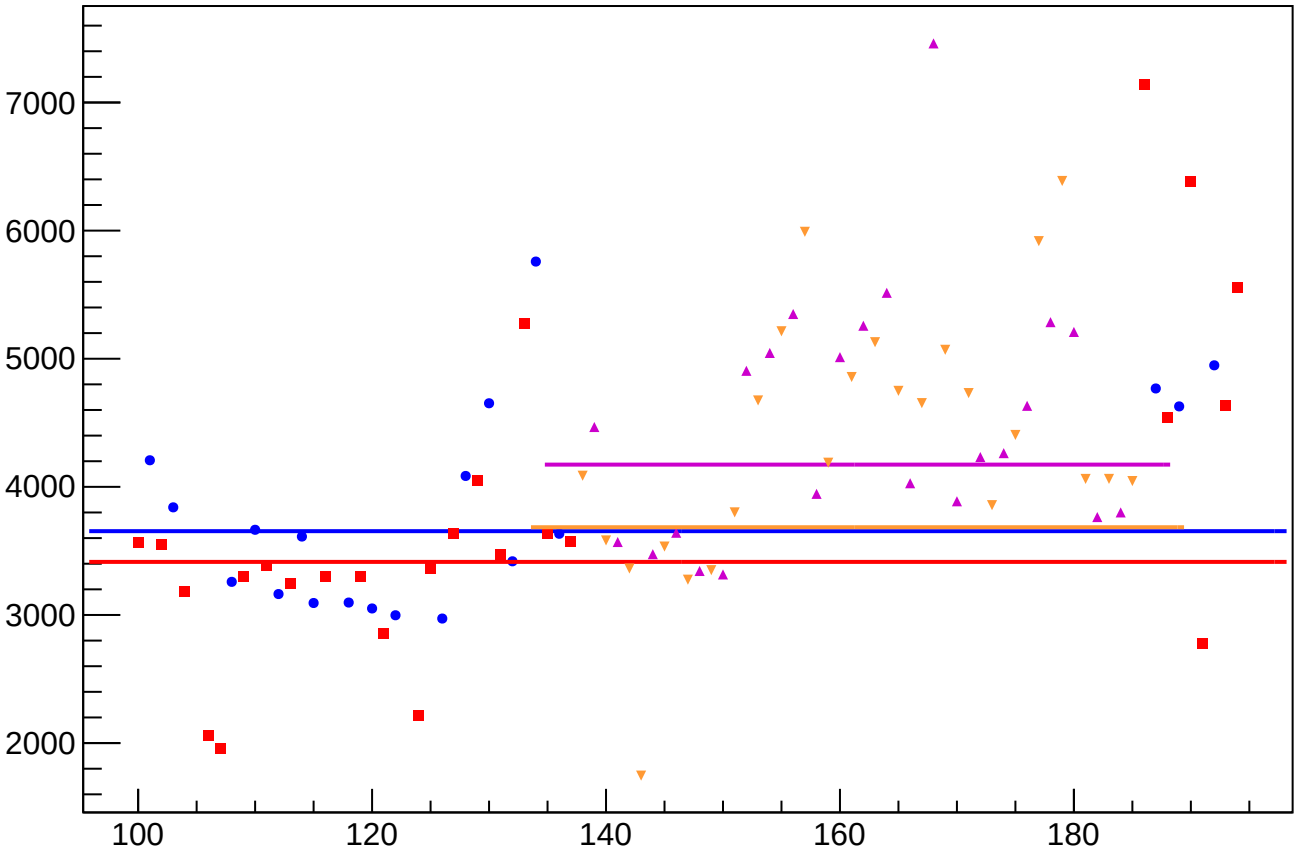
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

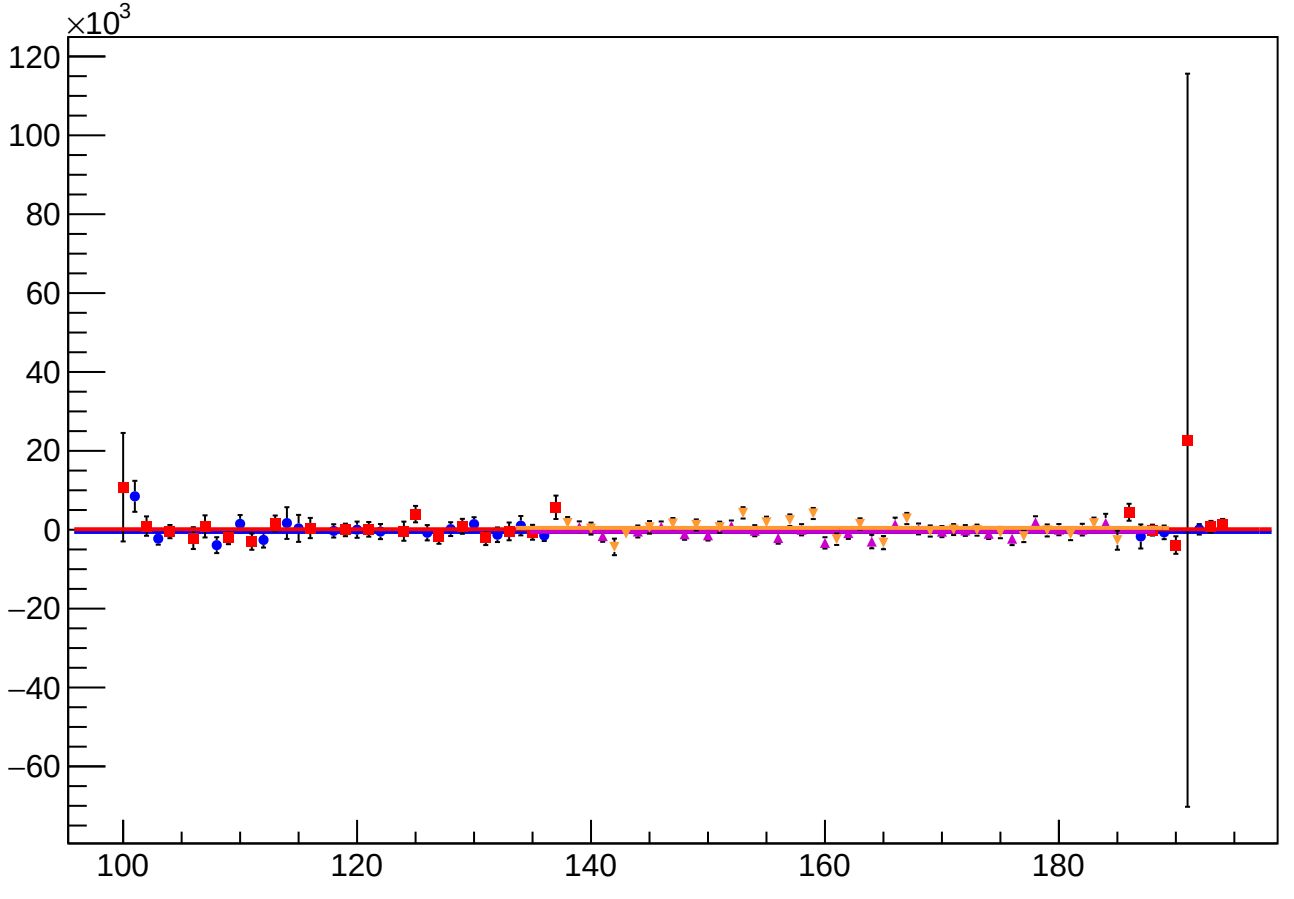
Right: 857.654+/-815.761 χ^2/NDF: 44.0/43

In: 151.909+/-778.194 χ^2/NDF:30.0/41

Out: 501.181+/-684.662 χ^2/NDF:57.7/49

All: 348.786+/-514.034 χ^2/NDF: 87.8/91


asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
Right In: 3654.127+/-0.883 χ²/NDF: 577322.7/18
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3414.267+/-0.762 χ²/NDF: 1639771.3/24
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 3516.729+/-0.577 χ²/NDF: 2259404.5/43
In: 3971.630+/-0.550 χ²/NDF:2064019.8/41
Out: 3575.616+/-0.484 χ²/NDF:5408595.2/49
All: 3748.406+/-0.363 χ²/NDF: 7764564.0/91



Right In: -555.878+/-442.785 χ^2/NDF: 14.5/18

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 122.732+/-402.102 χ^2/NDF: 23.5/24

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

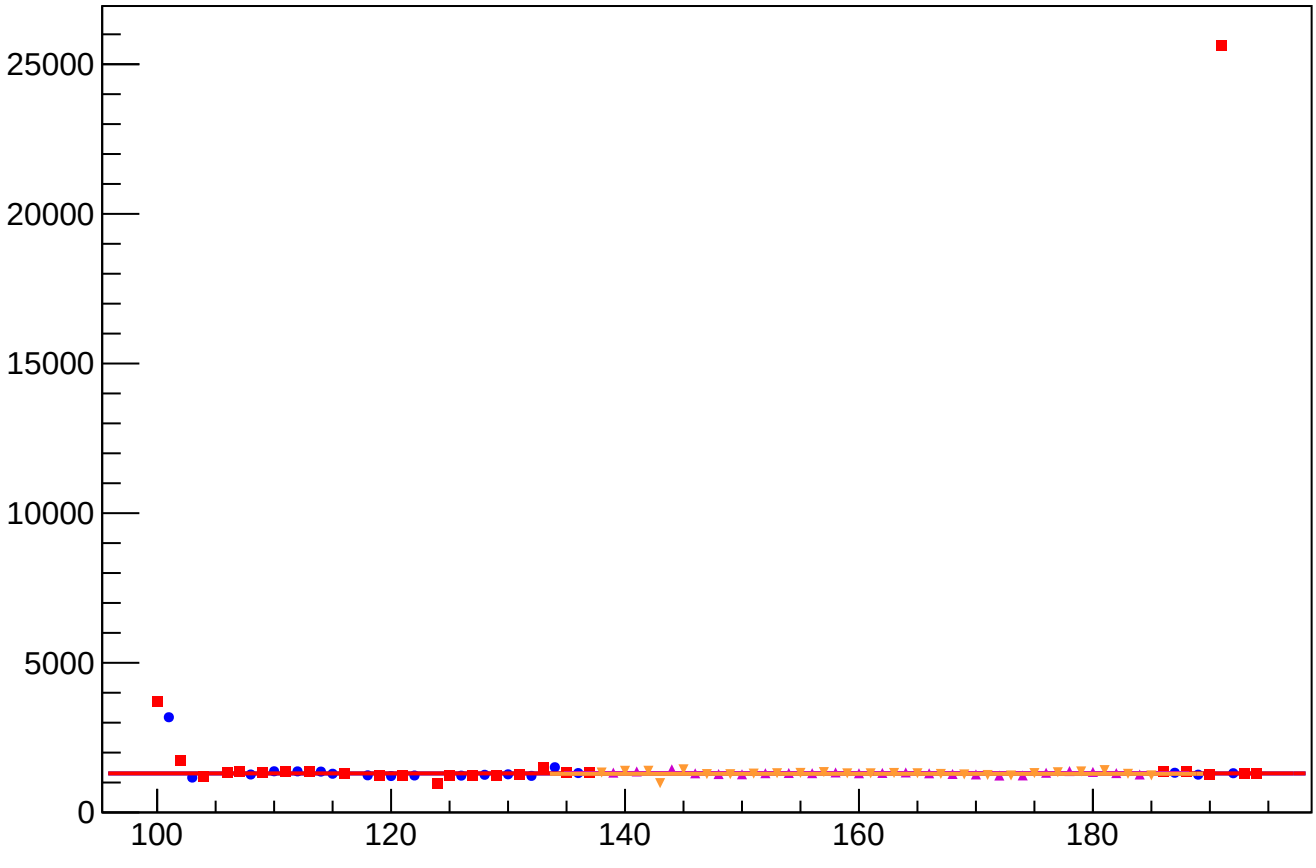
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -183.972+/-297.675 χ^2/NDF: 39.3/43

In: -520.548+/-252.322 χ^2/NDF:31.9/41

Out: 347.539+/-237.464 χ^2/NDF:68.1/49

All: -60.195+/-172.927 χ^2/NDF: 106.3/91



Right In: 1302.569+/-0.313 χ^2/NDF: 511871.0/18

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1305.677+/-0.284 χ^2/NDF: 360135.5/24

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

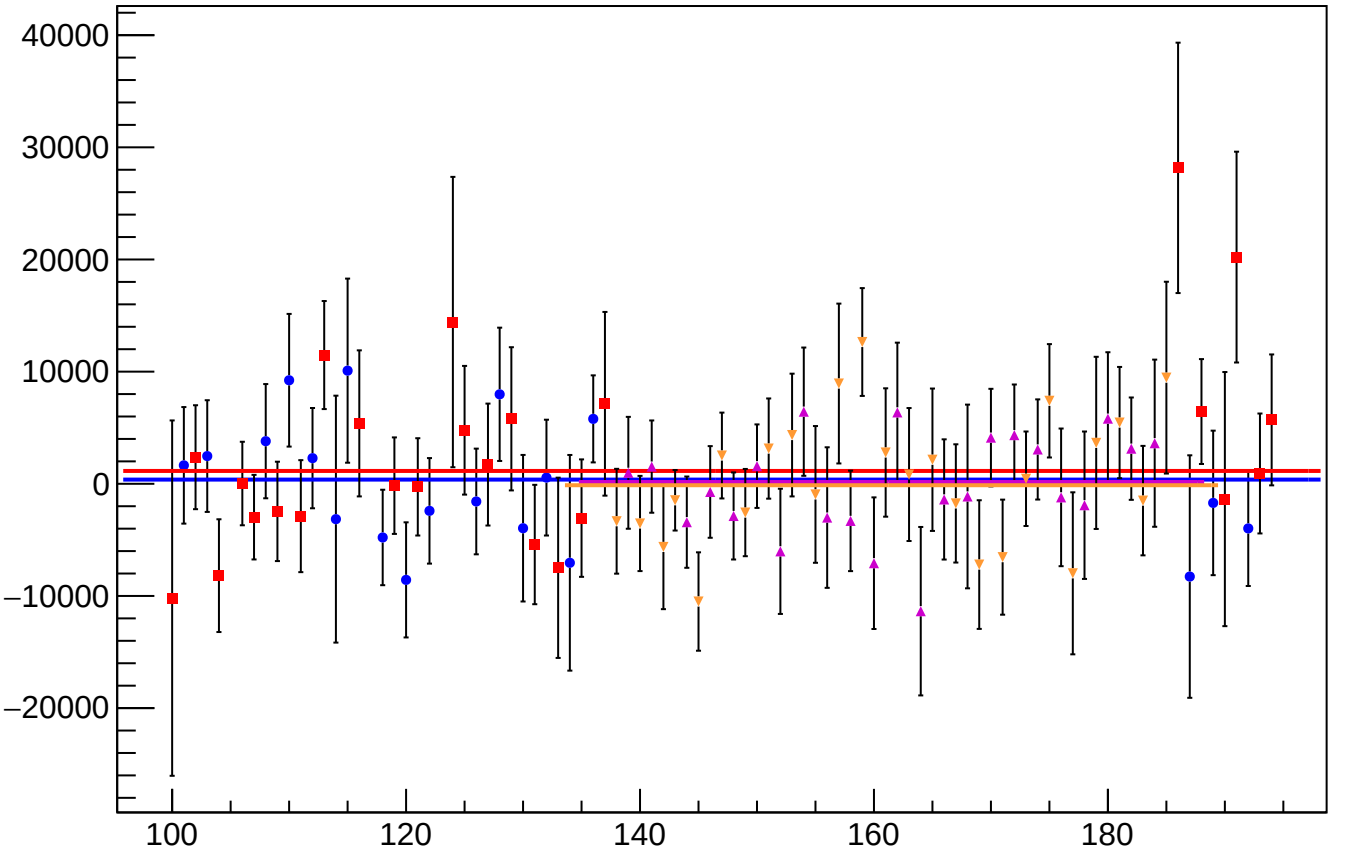
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1304.273+/-0.210 χ^2/NDF: 872060.5/43

In: 1310.292+/-0.178 χ^2/NDF:555816.7/41

Out: 1296.259+/-0.168 χ^2/NDF:592557.5/49

All: 1302.849+/-0.122 χ^2/NDF: 1151655.2/91



Right In: 374.648+/-1251.845 χ^2/NDF: 15.7/18

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1145.582+/-1096.551 χ^2/NDF: 29.6/24

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

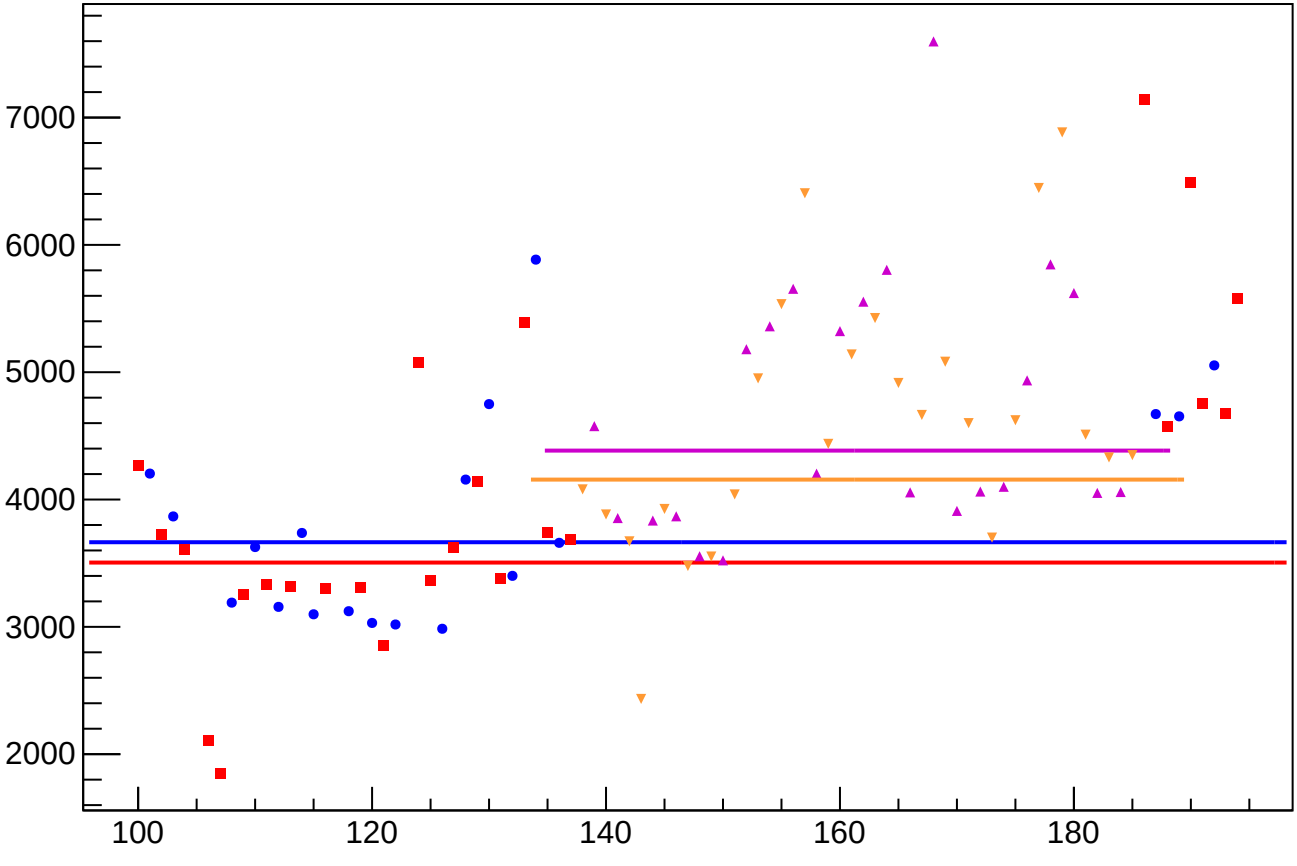
Right: 810.873+/-824.851 χ^2/NDF: 45.6/43

In: 247.877+/-802.456 χ^2/NDF:29.5/41

Out: 436.159+/-729.559 χ^2/NDF:58.9/49

All: 350.957+/-539.812 χ^2/NDF: 88.5/91

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3664.685+/-0.885 χ^2/NDF: 611305.2/18

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3504.957+/-0.775 χ^2/NDF: 1746894.4/24

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

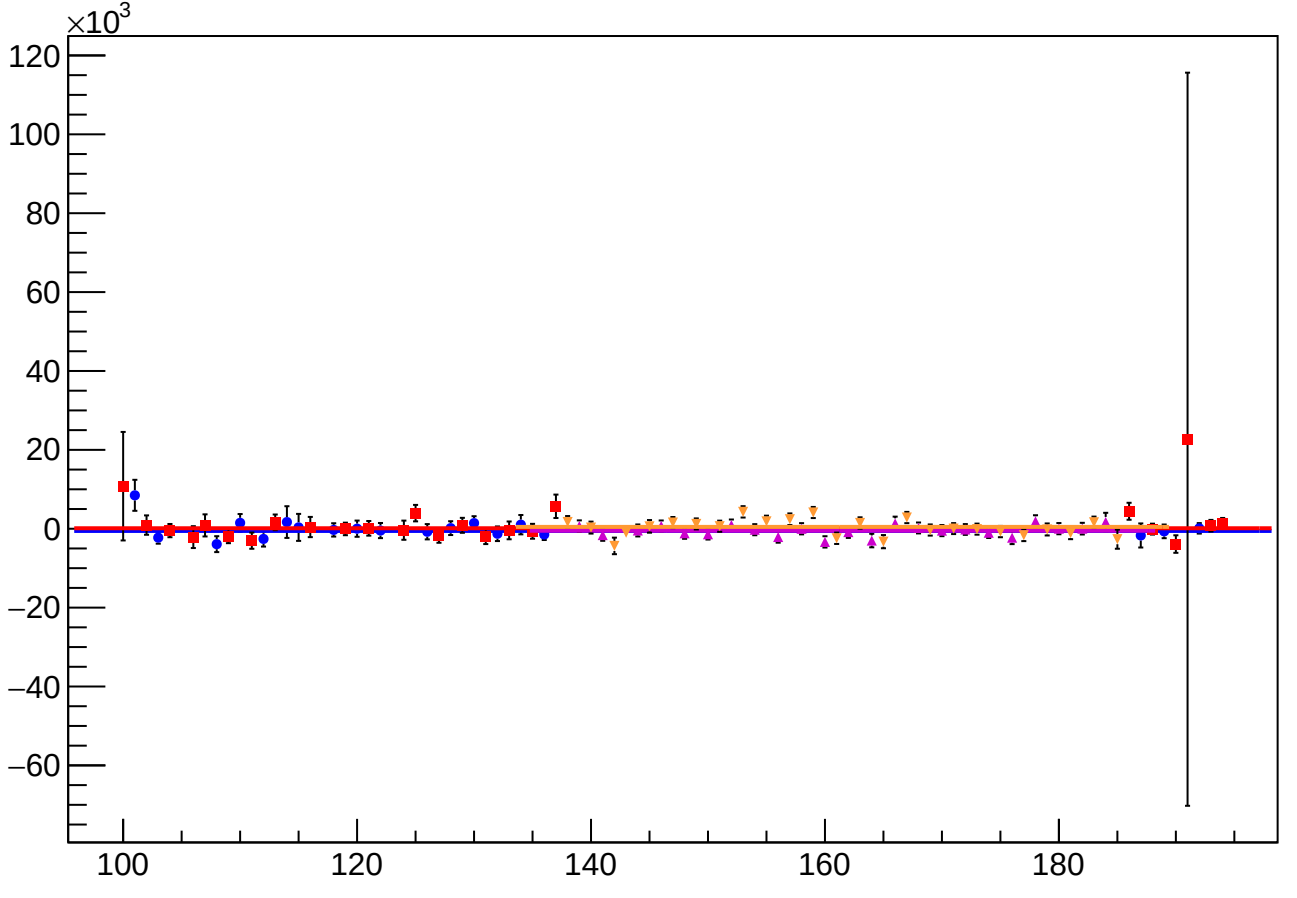
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3574.305+/-0.583 χ^2/NDF: 2376623.4/43

In: 4088.620+/-0.567 χ^2/NDF:2256128.5/41

Out: 3868.139+/-0.516 χ^2/NDF:4221295.0/49

All: 3967.912+/-0.382 χ^2/NDF: 6560083.9/91



Right In: -555.882+/-442.785 χ^2/NDF: 14.5/18

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 122.727+/-402.102 χ^2/NDF: 23.5/24

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

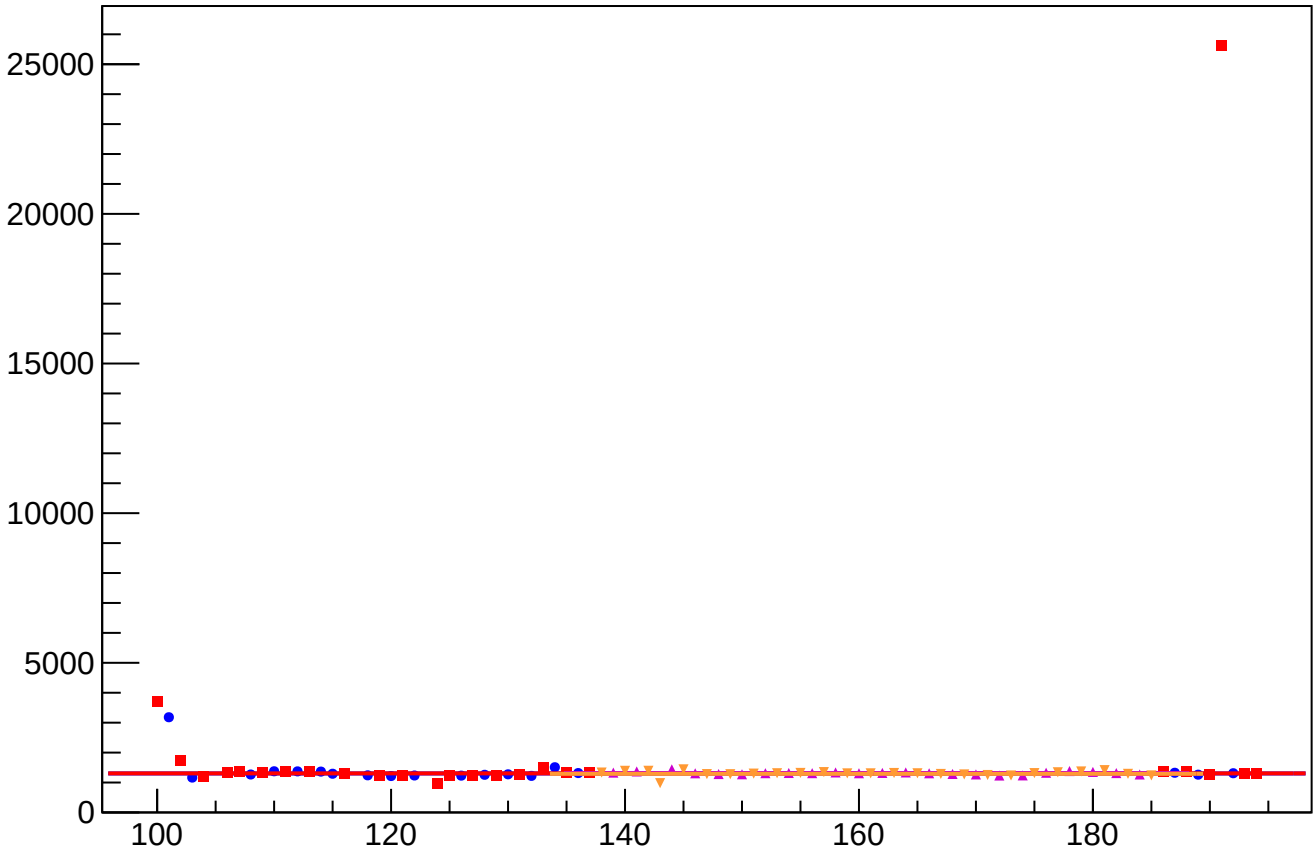
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -183.977+/-297.675 χ^2/NDF: 39.3/43

In: -520.549+/-252.322 χ^2/NDF:31.9/41

Out: 347.539+/-237.464 χ^2/NDF:68.1/49

All: -60.196+/-172.927 χ^2/NDF: 106.3/91



Right In: 1302.568+/-0.313 χ^2/NDF: 511871.1/18

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1305.677+/-0.284 χ^2/NDF: 360135.6/24

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

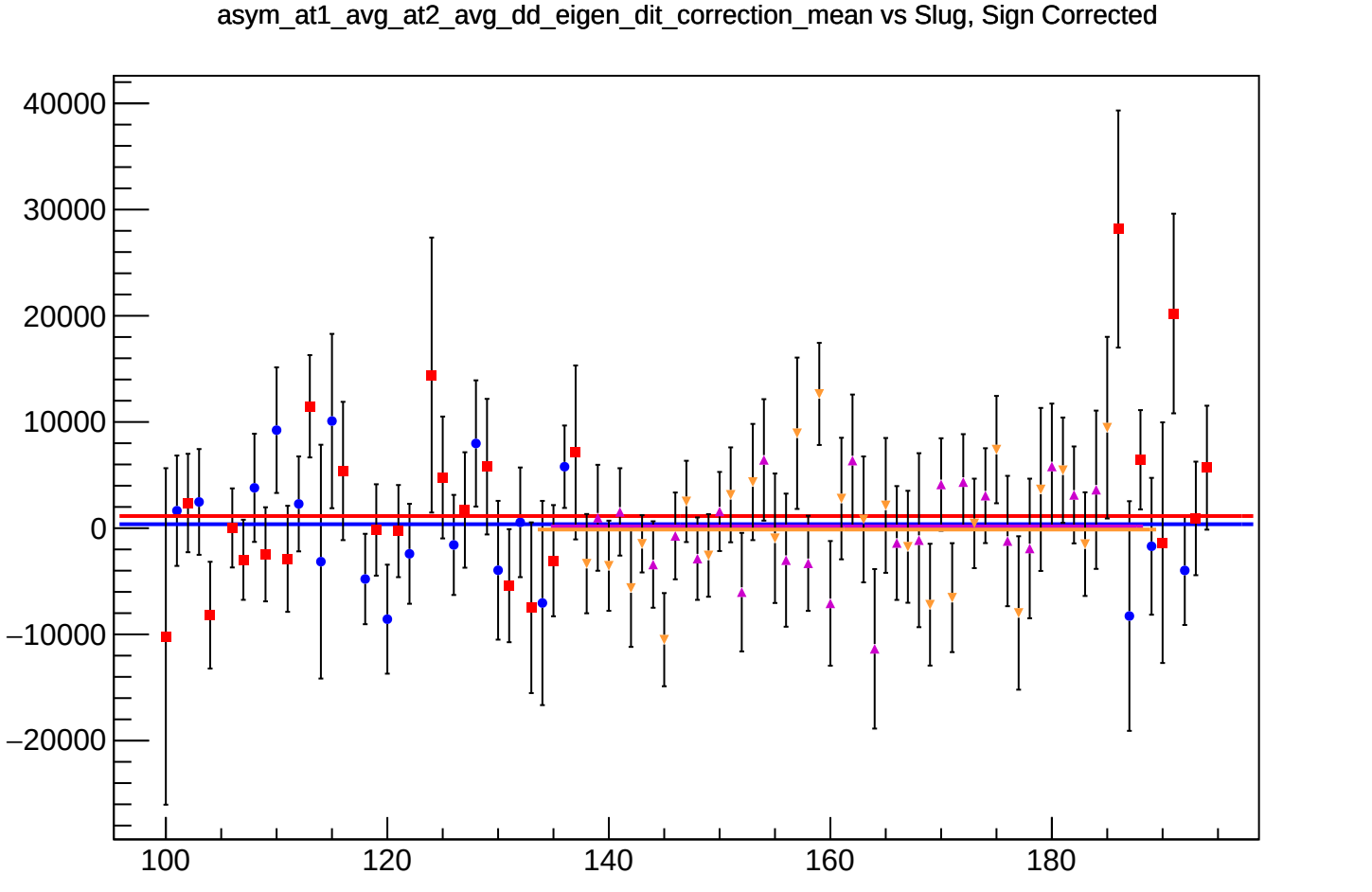
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

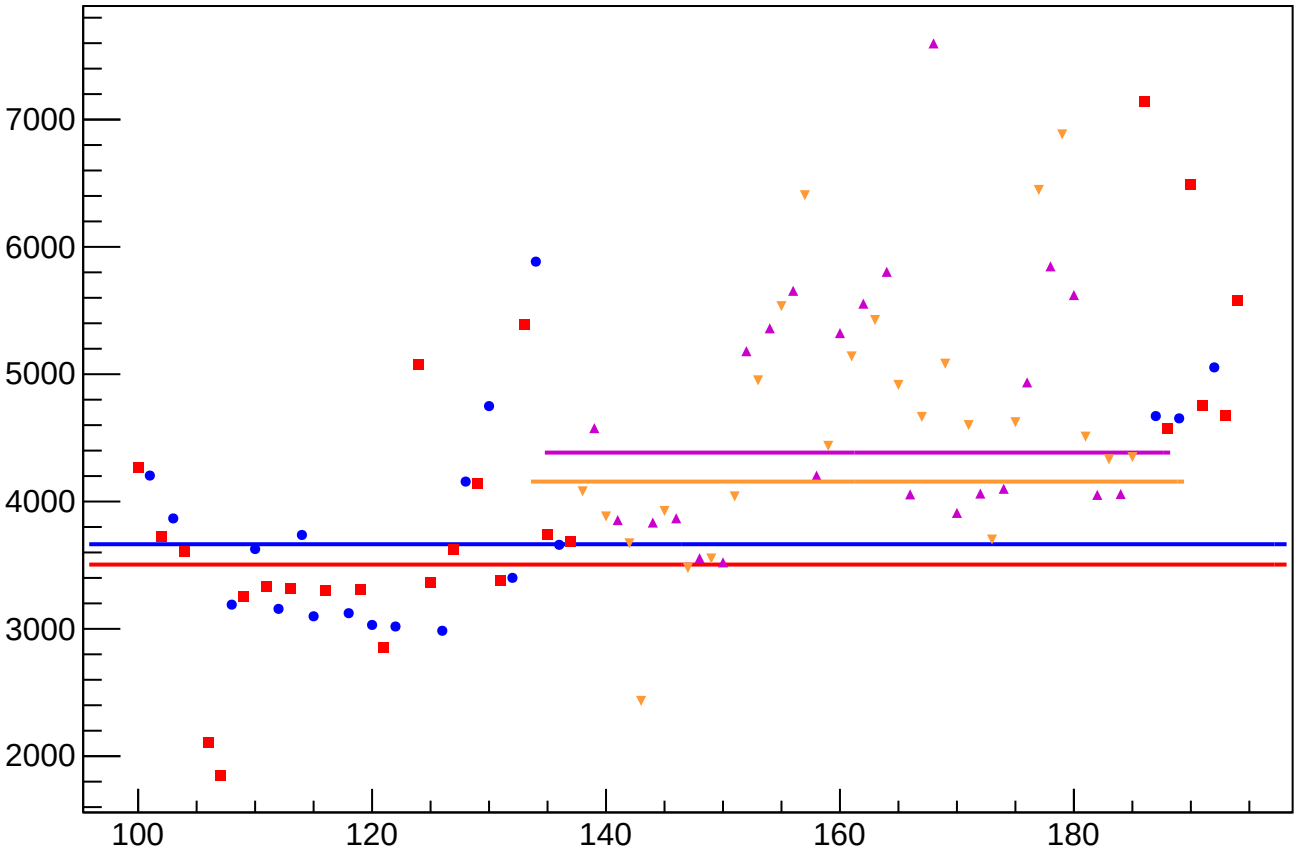
Right: 1304.273+/-0.210 χ^2/NDF: 872060.8/43

In: 1310.293+/-0.178 χ^2/NDF:555819.3/41

Out: 1296.260+/-0.168 χ^2/NDF:592559.8/49

All: 1302.850+/-0.122 χ^2/NDF: 1151660.0/91


asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
Right In: 374.640+/-1251.843 χ²/NDF: 15.7/18
Left Out: -127.271+/-977.232 χ²/NDF:28.6/24
Right Out: 1145.573+/-1096.549 χ²/NDF: 29.6/24
Left In: 159.454+/-1045.511 χ²/NDF:13.8/22
Left: 6.424+/-713.926 χ²/NDF: 42.4/47
Right: 810.865+/-824.849 χ²/NDF: 45.6/43
In: 247.875+/-802.456 χ²/NDF:29.5/41
Out: 436.159+/-729.559 χ²/NDF:58.9/49
All: 350.956+/-539.812 χ²/NDF: 88.5/91



Right In: 3664.676+/-0.885 χ^2/NDF: 611314.1/18

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3504.950+/-0.775 χ^2/NDF: 1746905.4/24

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

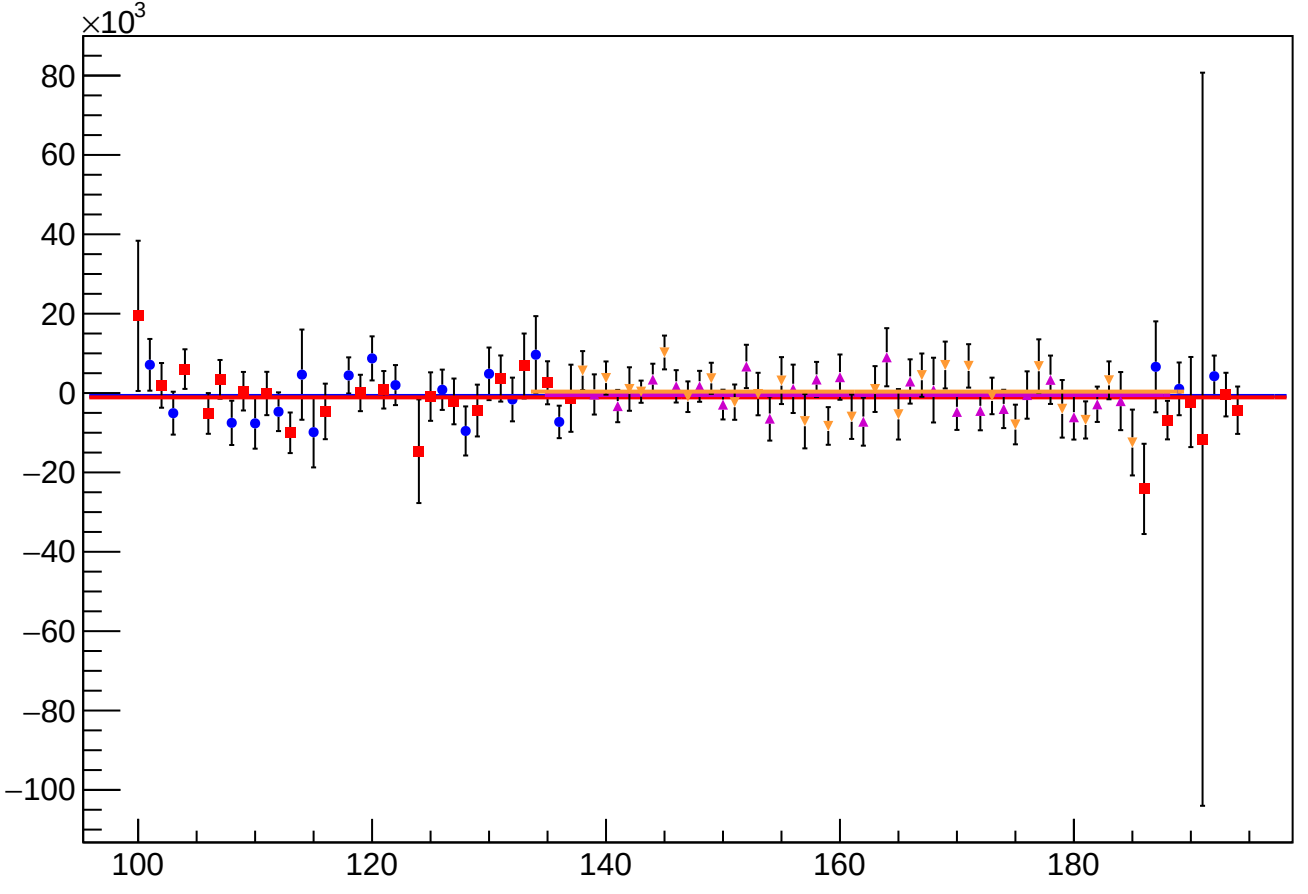
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3574.297+/-0.583 χ^2/NDF: 2376643.1/43

In: 4088.620+/-0.567 χ^2/NDF:2256158.4/41

Out: 3868.138+/-0.516 χ^2/NDF:4221325.7/49

All: 3967.911+/-0.382 χ^2/NDF: 6560144.5/91



Right In: -733.309+/-1342.024 χ^2/NDF: 19.1/18

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1092.453+/-1213.237 χ^2/NDF: 17.9/24

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

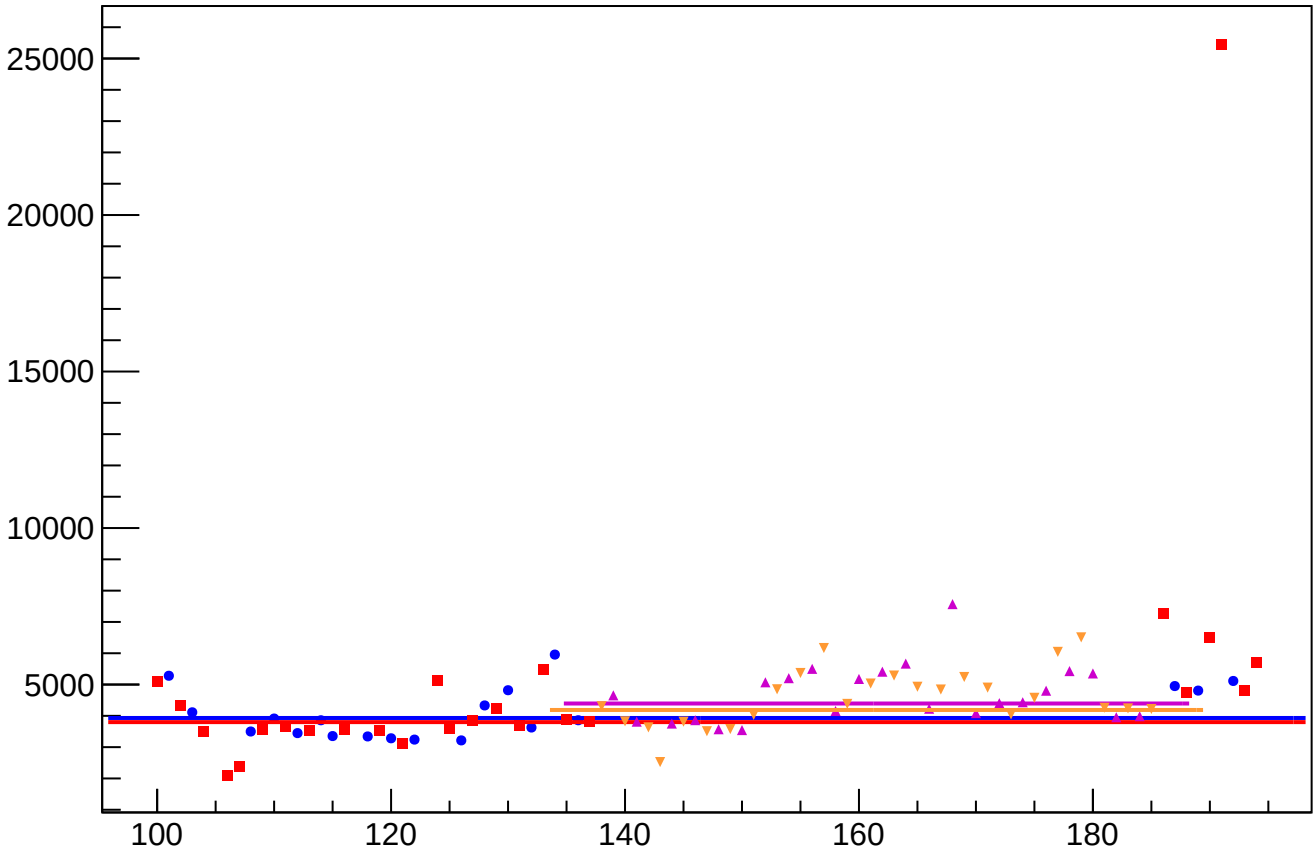
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -930.936+/-899.984 χ^2/NDF: 37.1/43

In: -586.492+/-824.370 χ^2/NDF:33.0/41

Out: -211.866+/-762.293 χ^2/NDF:46.4/49

All: -384.544+/-559.683 χ^2/NDF: 79.6/91



Right In: 3932.103+/-0.949 χ^2/NDF: 558009.3/18

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

Right Out: 3799.745+/-0.848 χ^2/NDF: 1460671.5/24

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

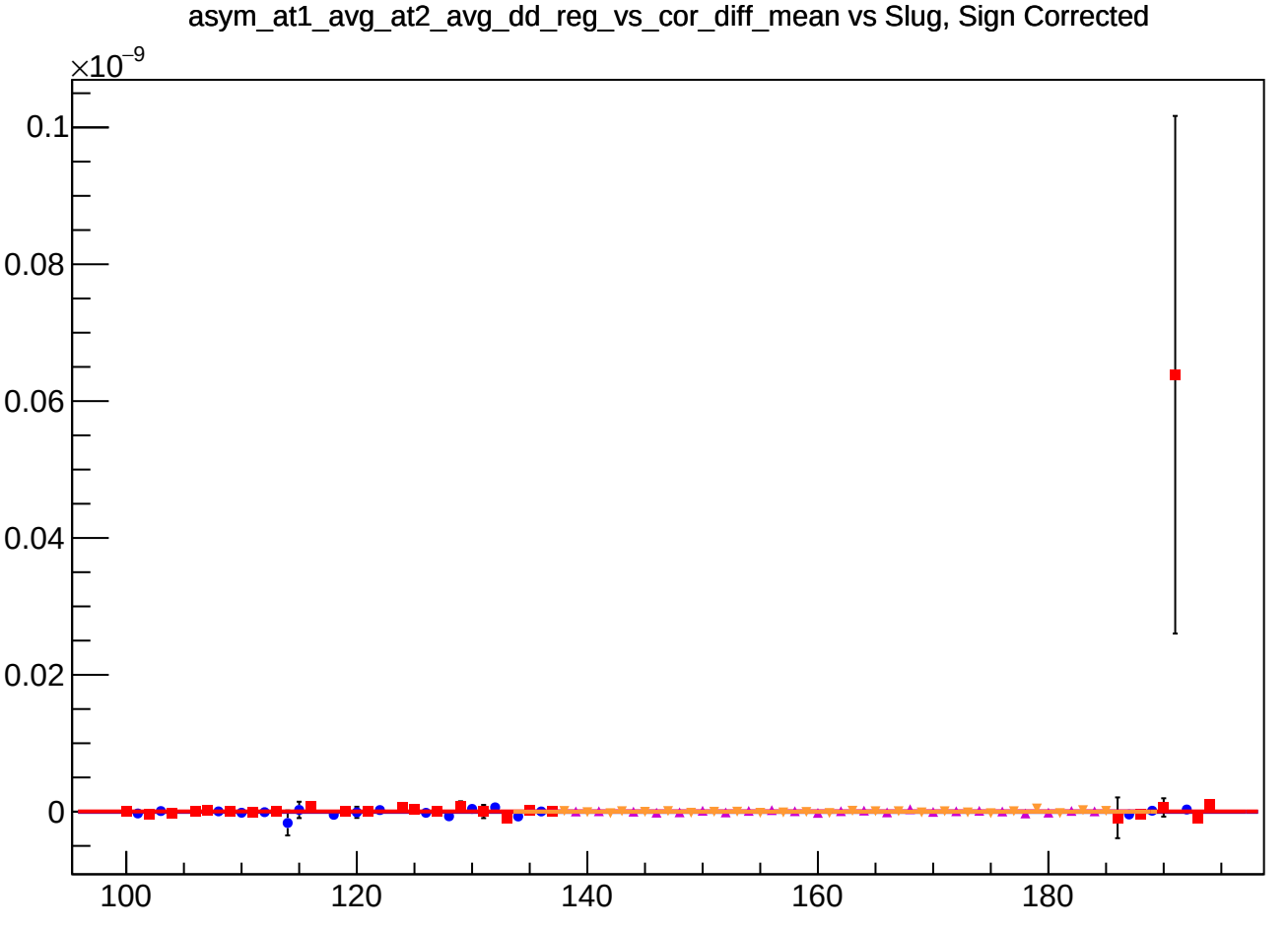
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 3858.528+/-0.632 χ^2/NDF: 2029495.1/43

In: 4219.911+/-0.583 χ^2/NDF:1794134.5/41

Out: 4032.524+/-0.537 χ^2/NDF:3382587.5/49

All: 4118.478+/-0.395 χ^2/NDF: 5232660.1/91



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/24

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

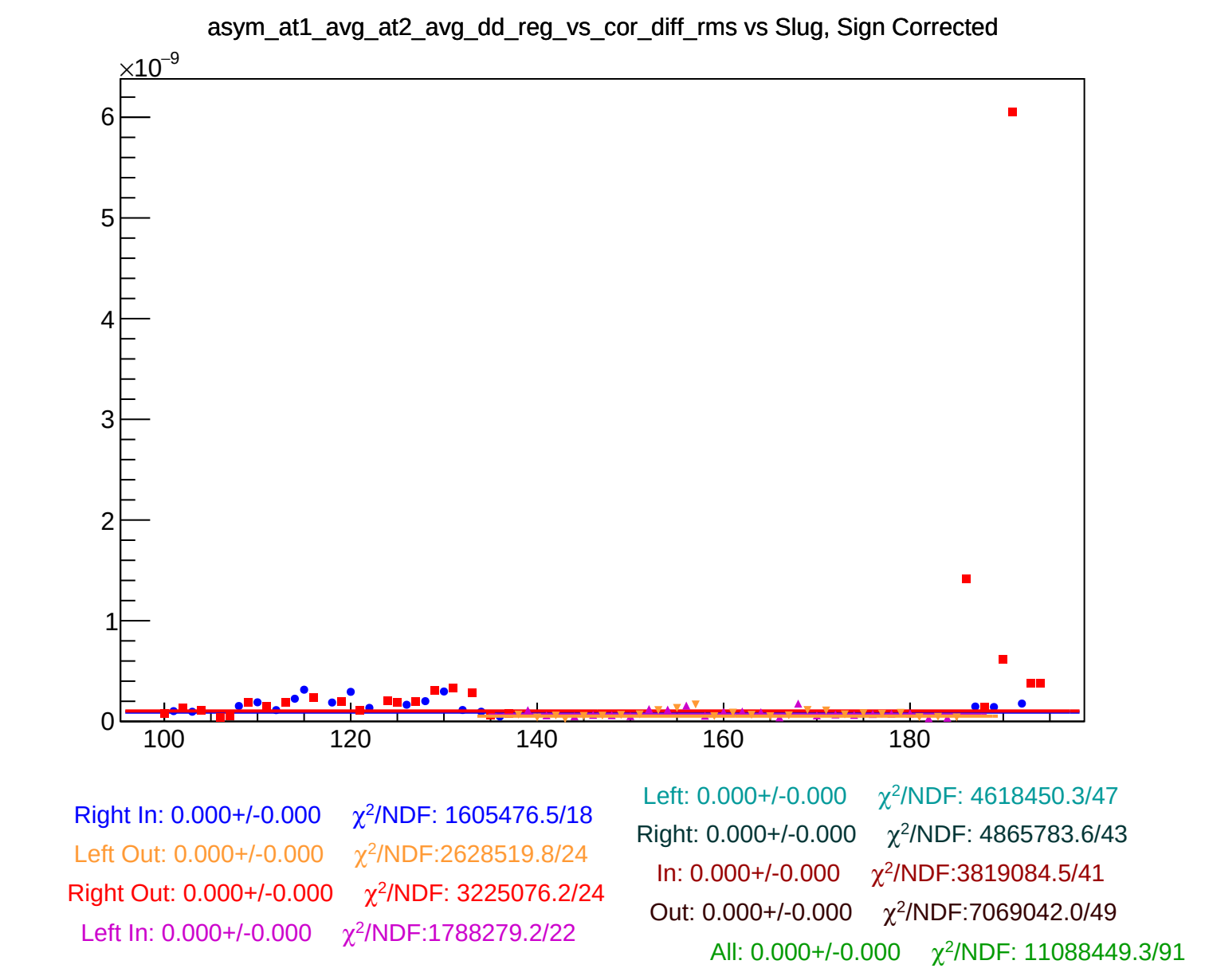
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 44.5/43

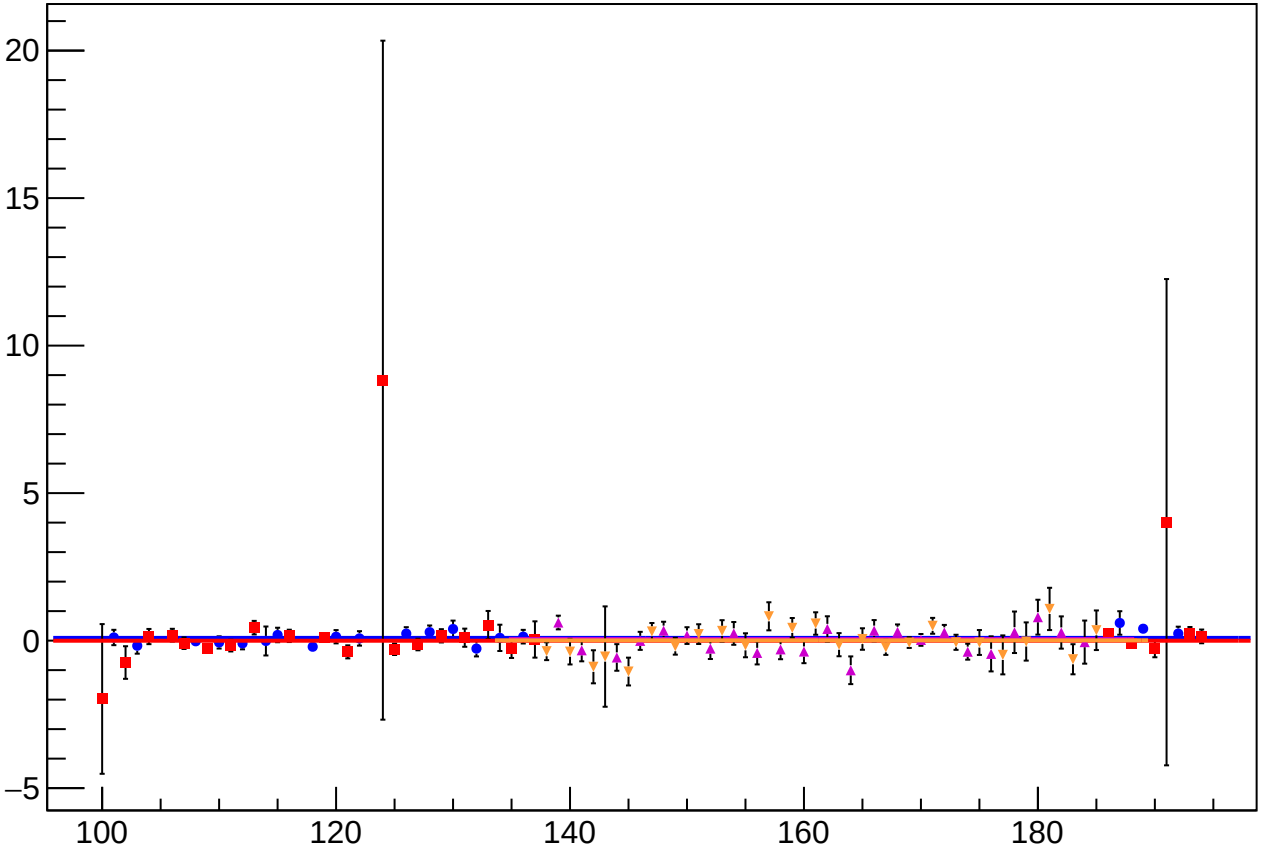
In: 0.000+/-0.000 χ^2/NDF:35.8/41

Out: 0.000+/-0.000 χ^2/NDF:56.6/49

All: 0.000+/-0.000 χ^2/NDF: 92.5/91


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
Right In: 0.000+/-0.000 χ²/NDF: 1605476.5/18
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 3225076.2/24
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: 4865783.6/43
In: 0.000+/-0.000 χ²/NDF:3819084.5/41
Out: 0.000+/-0.000 χ²/NDF:7069042.0/49
All: 0.000+/-0.000 χ²/NDF: 11088449.3/91

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

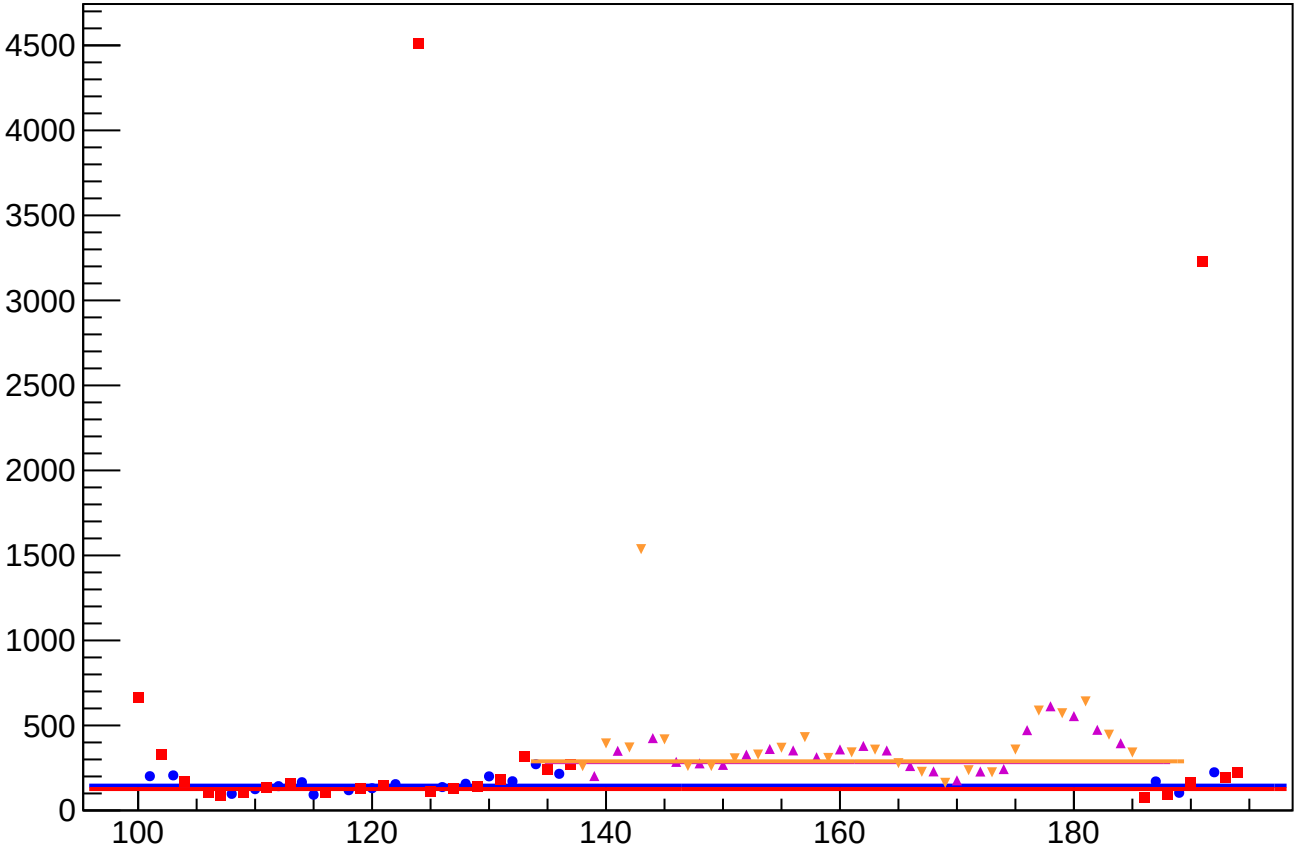
Right: 0.035+/-0.033 χ^2/NDF: 46.4/43

In: 0.079+/-0.042 χ^2/NDF:44.9/41

Out: -0.000+/-0.037 χ^2/NDF:56.4/49

All: 0.034+/-0.028 χ^2/NDF: 103.2/91

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.020+/-0.037 χ^2/NDF: 1386367.2/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 125.881+/-0.030 χ^2/NDF: 3041122.6/24

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

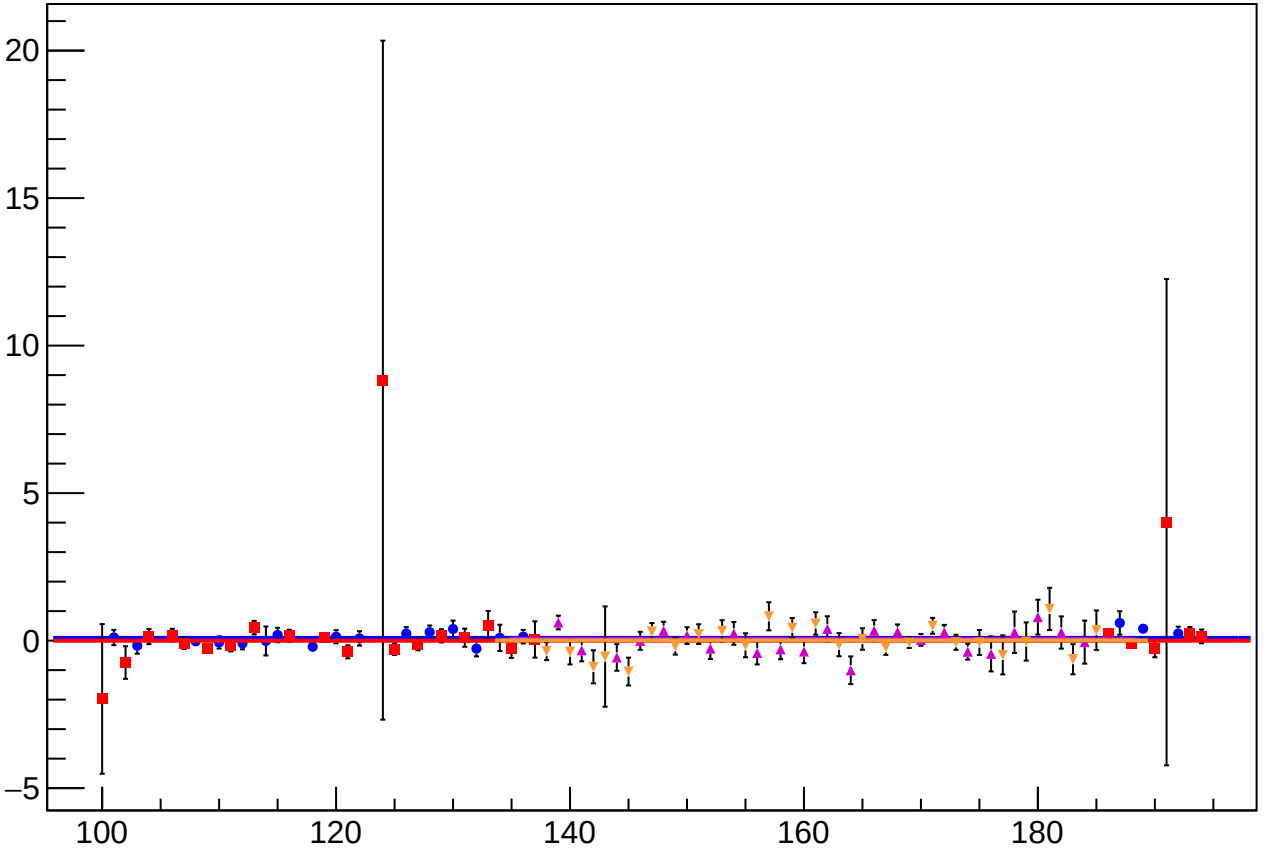
Right: 133.978+/-0.023 χ^2/NDF: 4606161.1/43

In: 194.906+/-0.030 χ^2/NDF:9439381.6/41

Out: 169.206+/-0.026 χ^2/NDF:15429199.6/49

All: 180.338+/-0.019 χ^2/NDF: 25295484.2/91

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

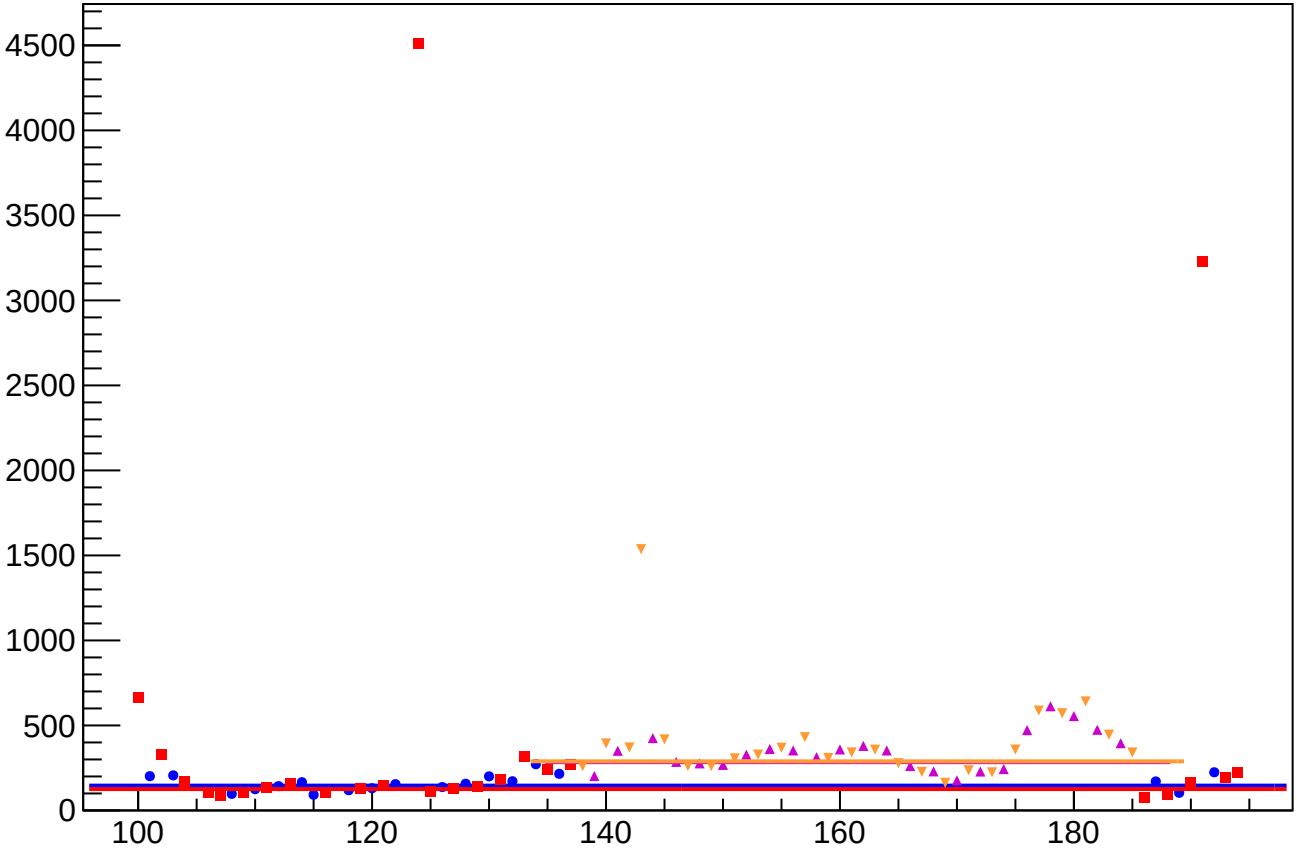
Right: 0.035+/-0.033 χ^2/NDF: 46.4/43

In: 0.079+/-0.042 χ^2/NDF:44.9/41

Out: -0.000+/-0.037 χ^2/NDF:56.4/49

All: 0.034+/-0.028 χ^2/NDF: 103.2/91

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.020+/-0.037 χ^2/NDF: 1386367.2/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 125.881+/-0.030 χ^2/NDF: 3041122.6/24

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

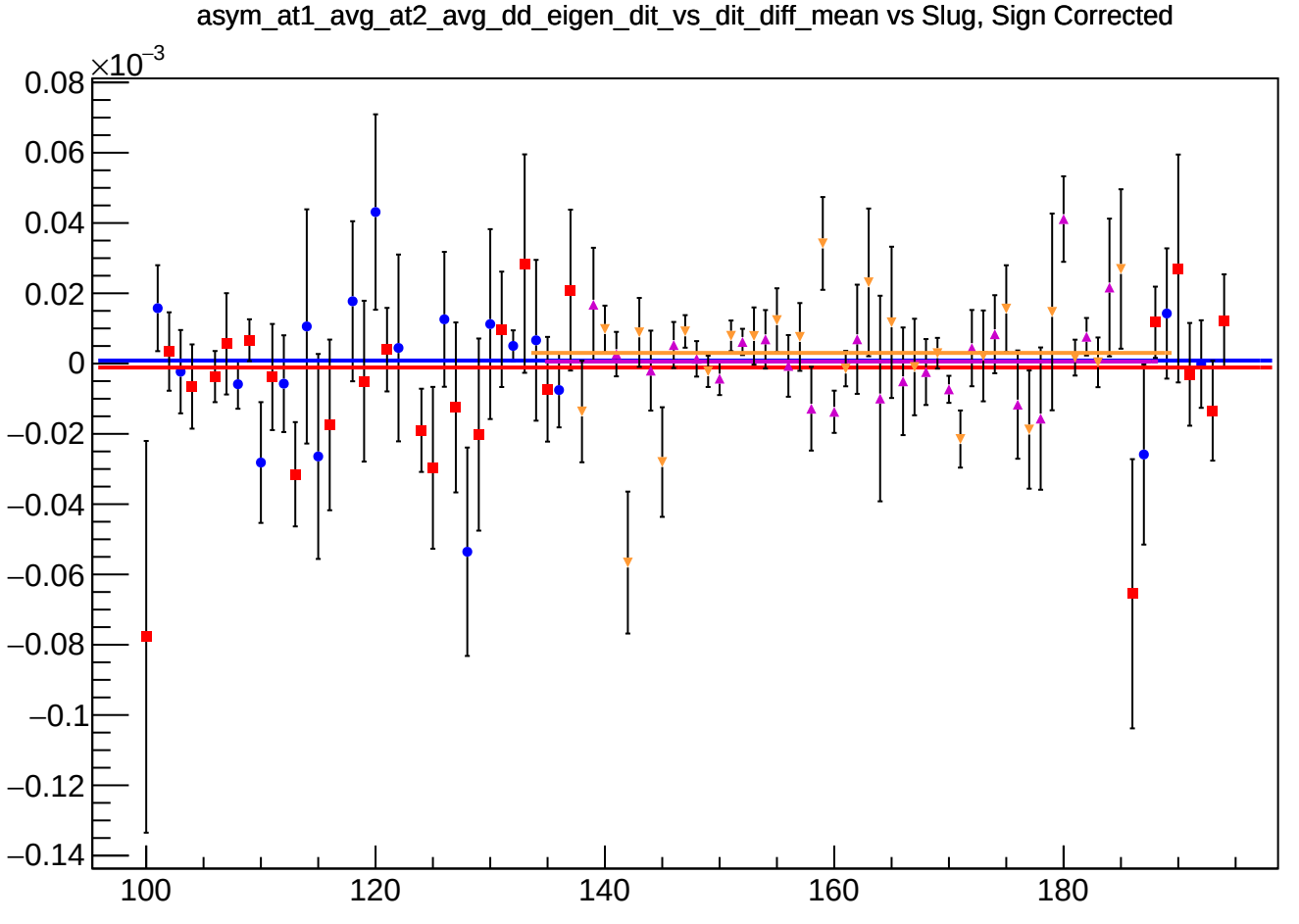
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 133.978+/-0.023 χ^2/NDF: 4606161.1/43

In: 194.906+/-0.030 χ^2/NDF:9439381.6/41

Out: 169.206+/-0.026 χ^2/NDF:15429199.6/49

All: 180.338+/-0.019 χ^2/NDF: 25295484.2/91



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/24

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

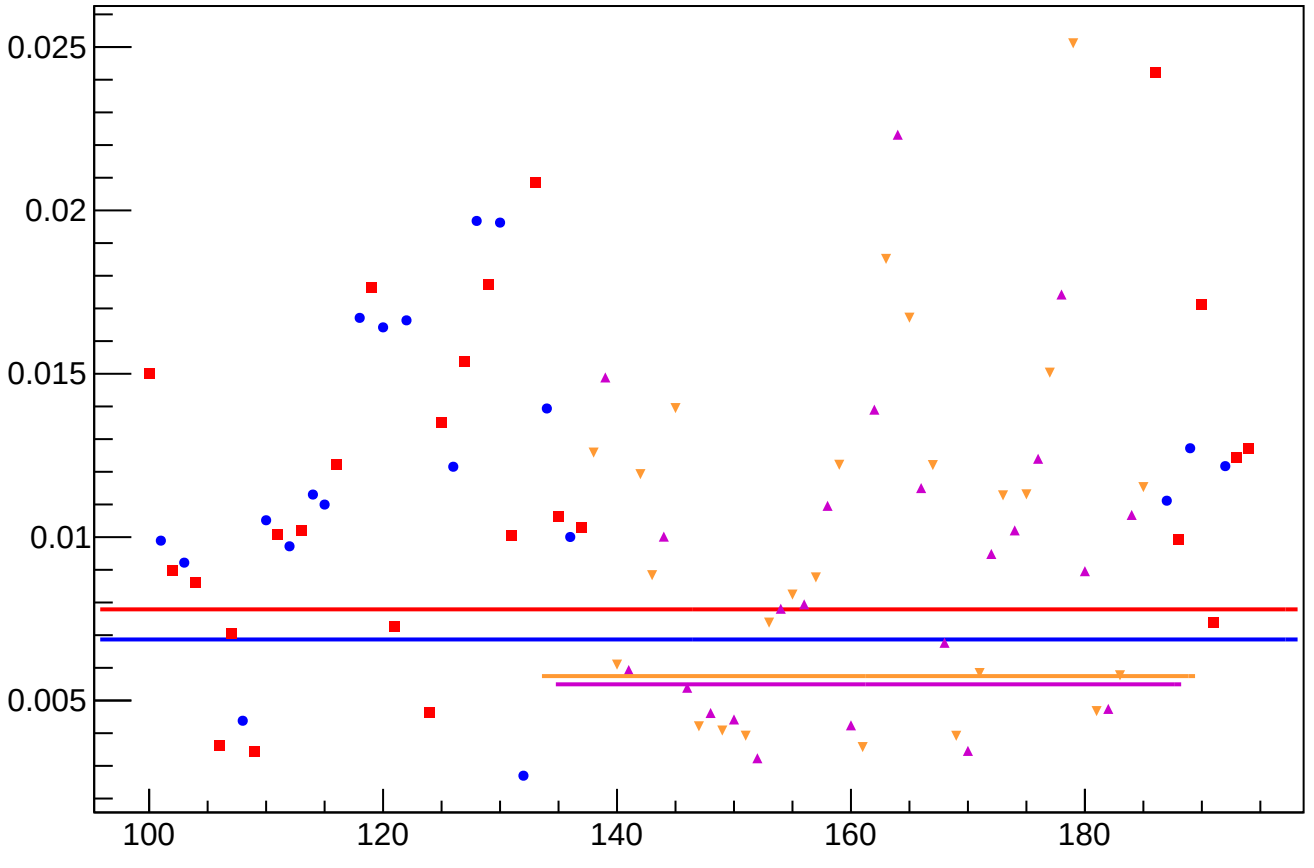
Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

Right: -0.000+/-0.000 χ^2/NDF: 39.9/43

In: 0.000+/-0.000 χ^2/NDF:49.7/41

Out: 0.000+/-0.000 χ^2/NDF:67.1/49

All: 0.000+/-0.000 χ^2/NDF: 117.3/91



Right In: 0.007+/-0.000 χ^2/NDF: 5313715.3/18

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 4671093.3/24

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

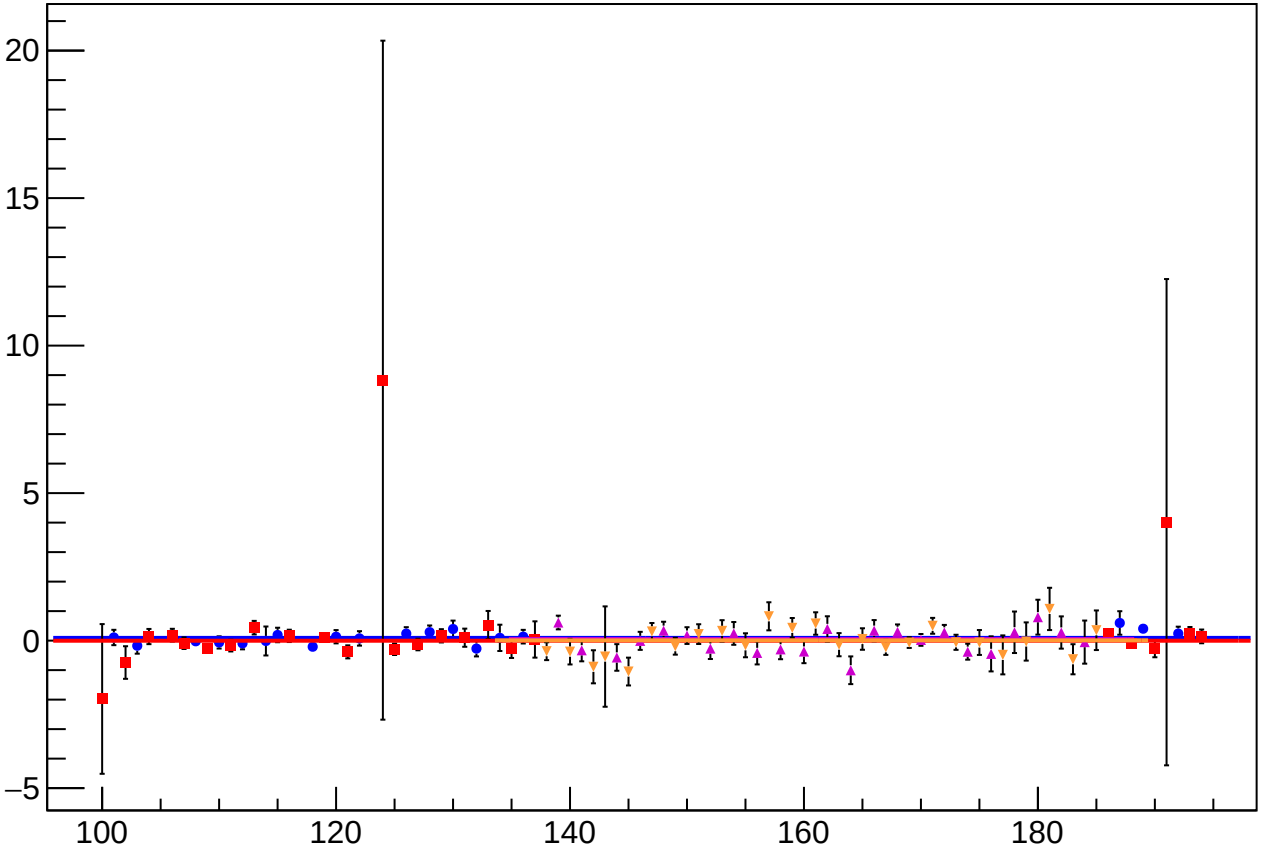
Right: 0.007+/-0.000 χ^2/NDF: 10096846.3/43

In: 0.006+/-0.000 χ^2/NDF:12622879.3/41

Out: 0.006+/-0.000 χ^2/NDF:13665984.3/49

All: 0.006+/-0.000 χ^2/NDF: 26394241.9/91

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

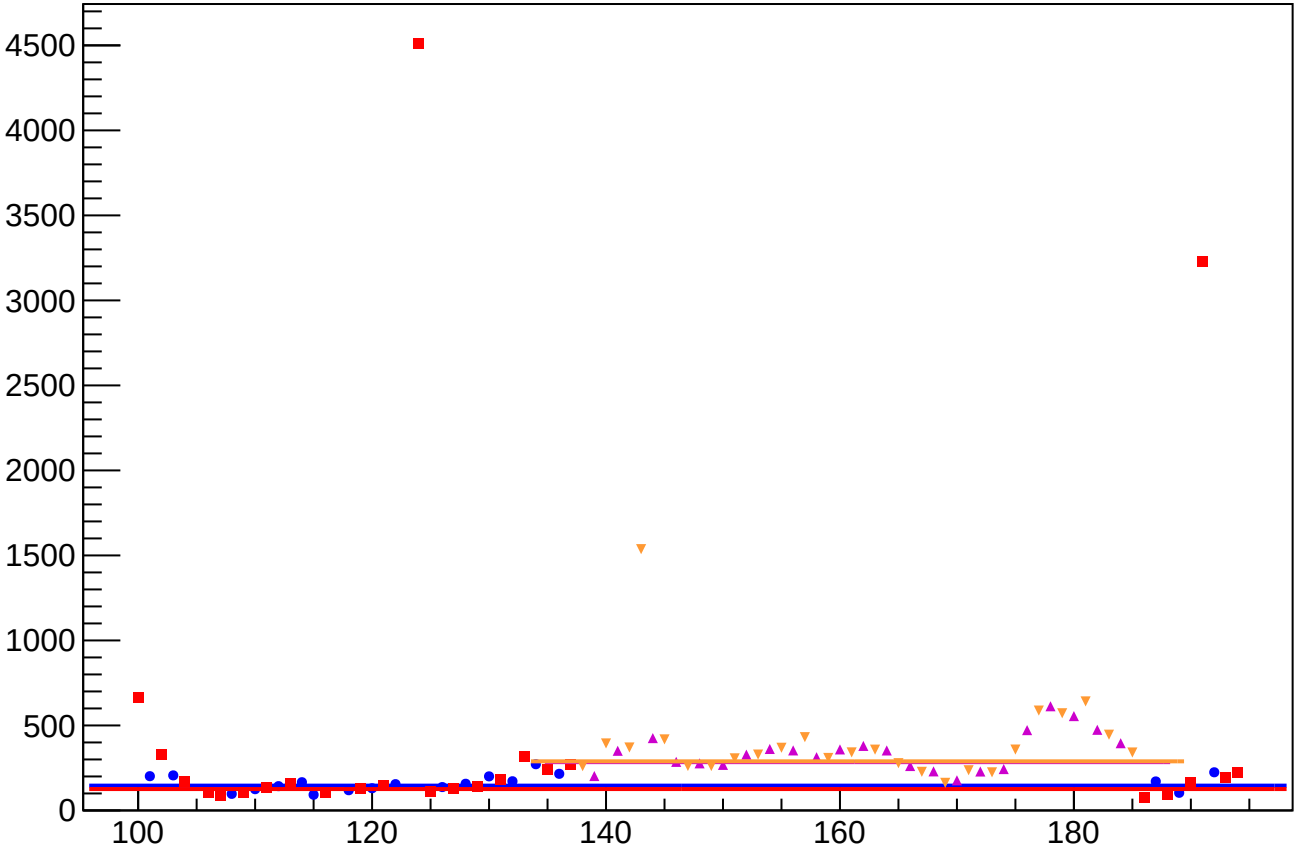
Right: 0.035+/-0.033 χ^2/NDF: 46.4/43

In: 0.079+/-0.042 χ^2/NDF:44.9/41

Out: -0.000+/-0.037 χ^2/NDF:56.4/49

All: 0.034+/-0.028 χ^2/NDF: 103.2/91

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.020+/-0.037 χ^2/NDF: 1386330.7/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 125.883+/-0.030 χ^2/NDF: 3040972.0/24

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

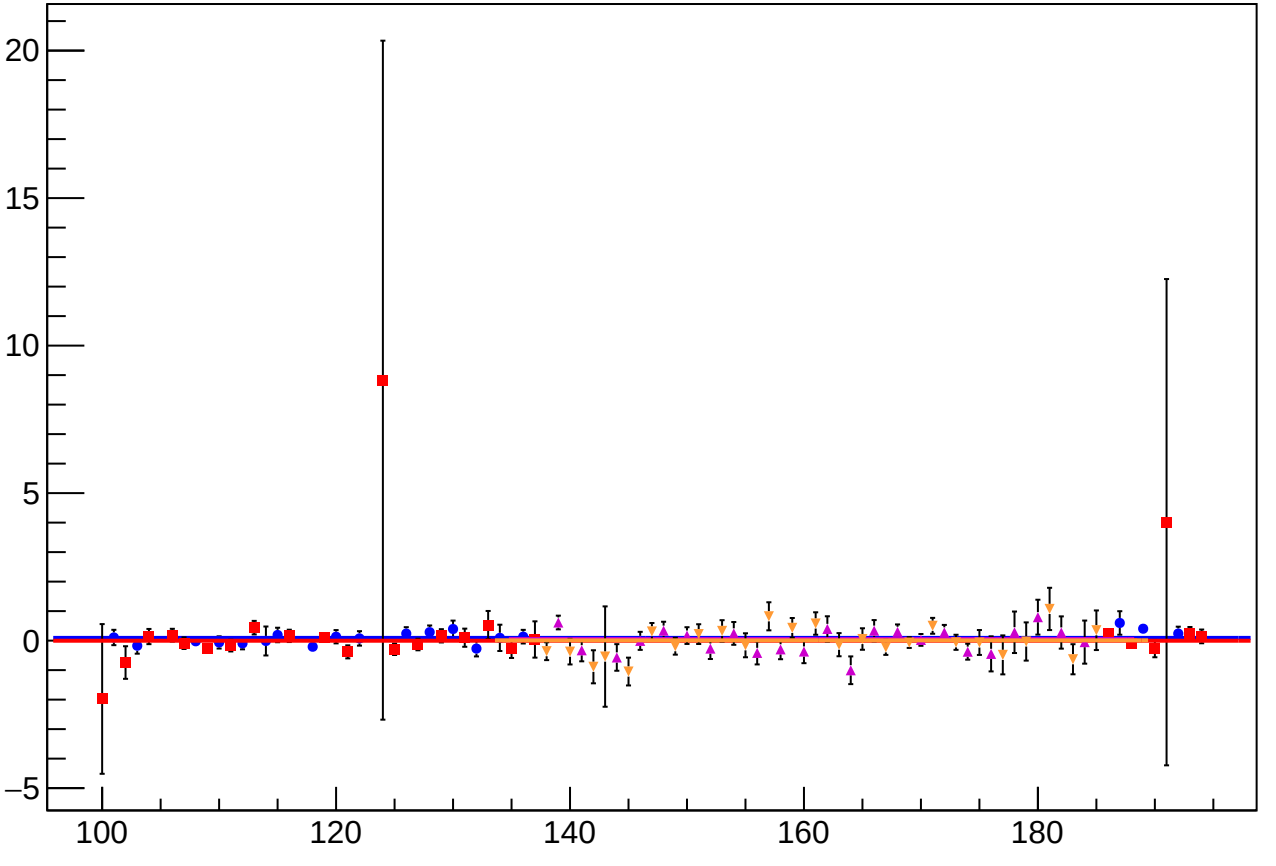
Right: 133.979+/-0.023 χ^2/NDF: 4605932.4/43

In: 194.906+/-0.030 χ^2/NDF:9439576.0/41

Out: 169.208+/-0.026 χ^2/NDF:15429017.4/49

All: 180.339+/-0.019 χ^2/NDF: 25295418.4/91

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

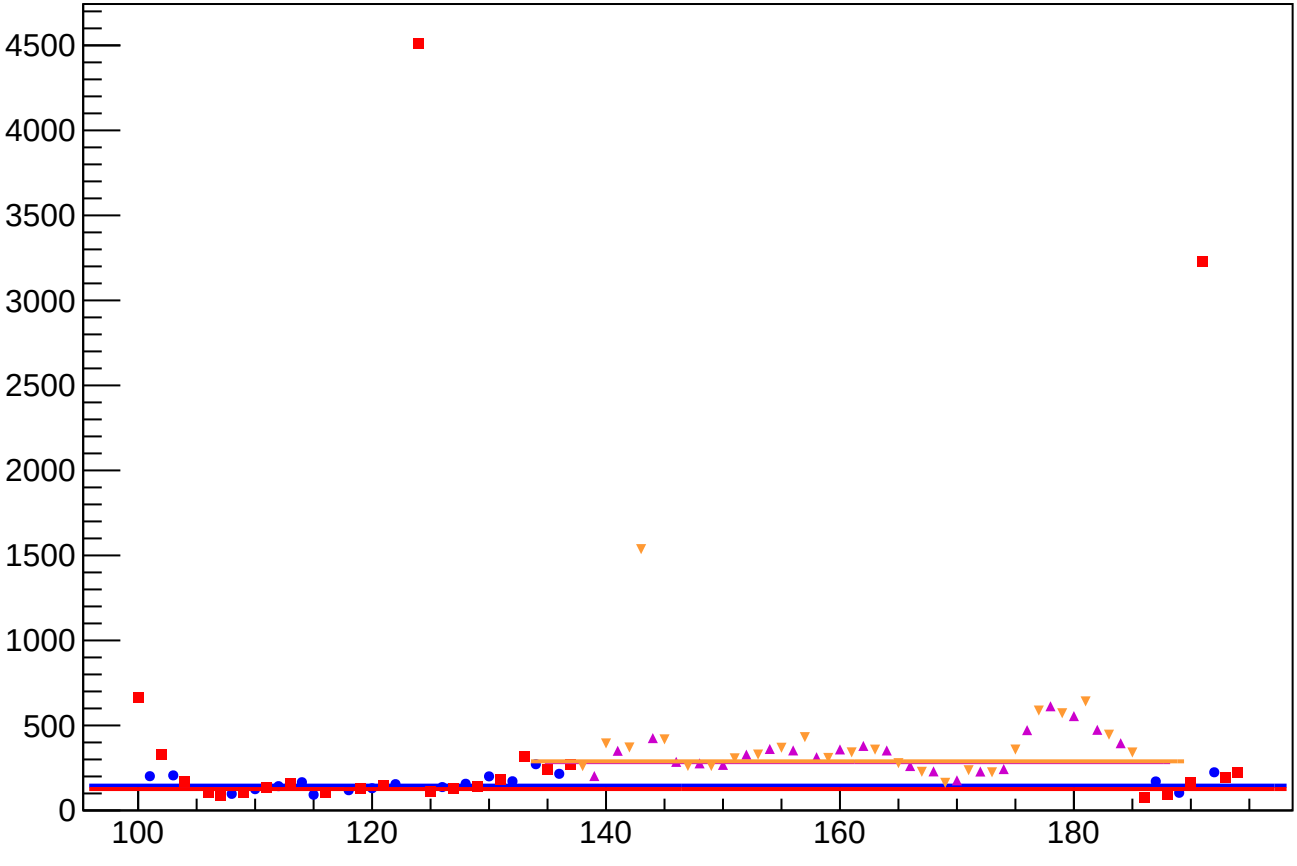
Right: 0.035+/-0.033 χ^2/NDF: 46.4/43

In: 0.079+/-0.042 χ^2/NDF:44.9/41

Out: -0.000+/-0.037 χ^2/NDF:56.4/49

All: 0.034+/-0.028 χ^2/NDF: 103.2/91

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.020+/-0.037 χ^2/NDF: 1386330.7/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 125.883+/-0.030 χ^2/NDF: 3040972.0/24

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

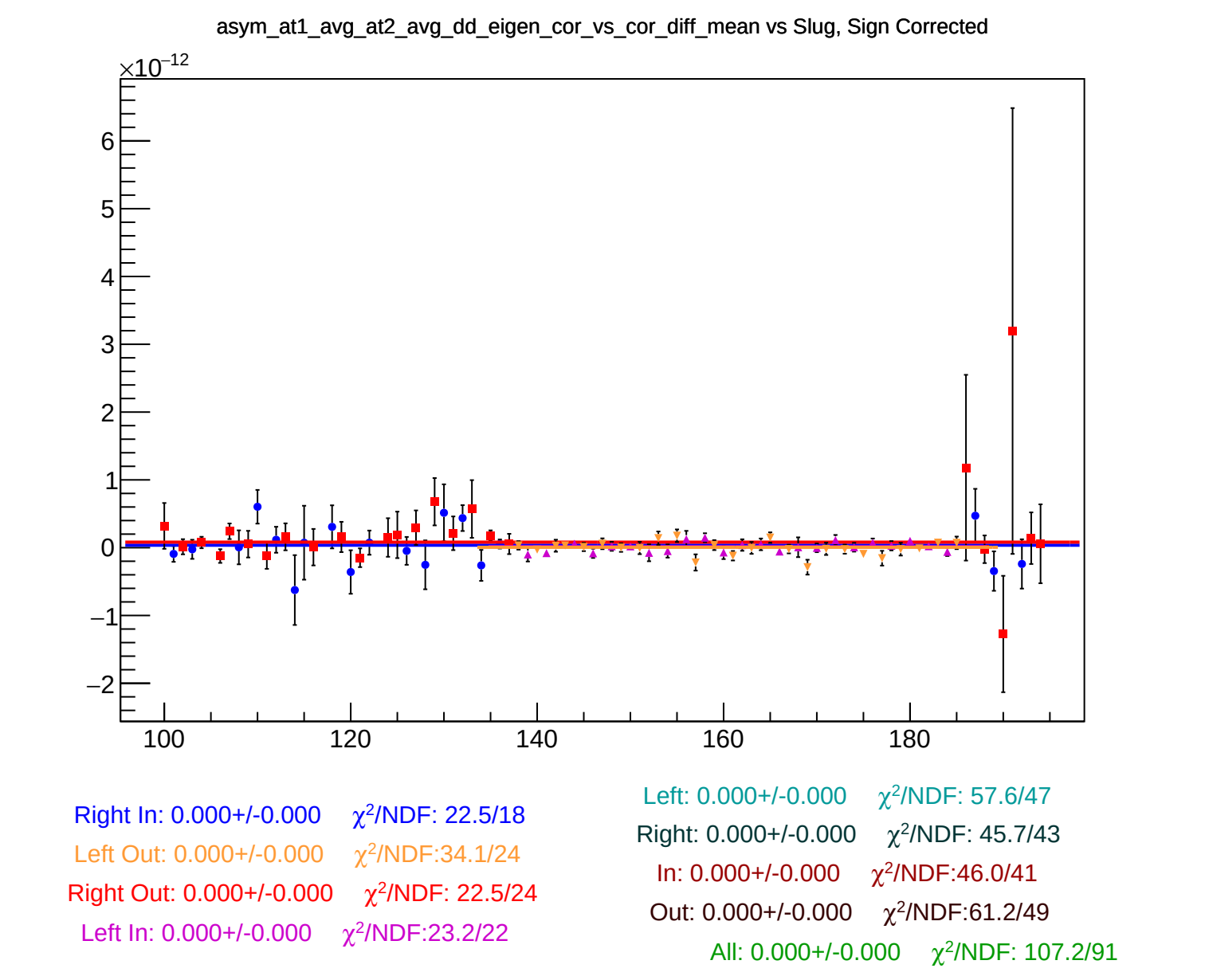
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 133.979+/-0.023 χ^2/NDF: 4605932.4/43

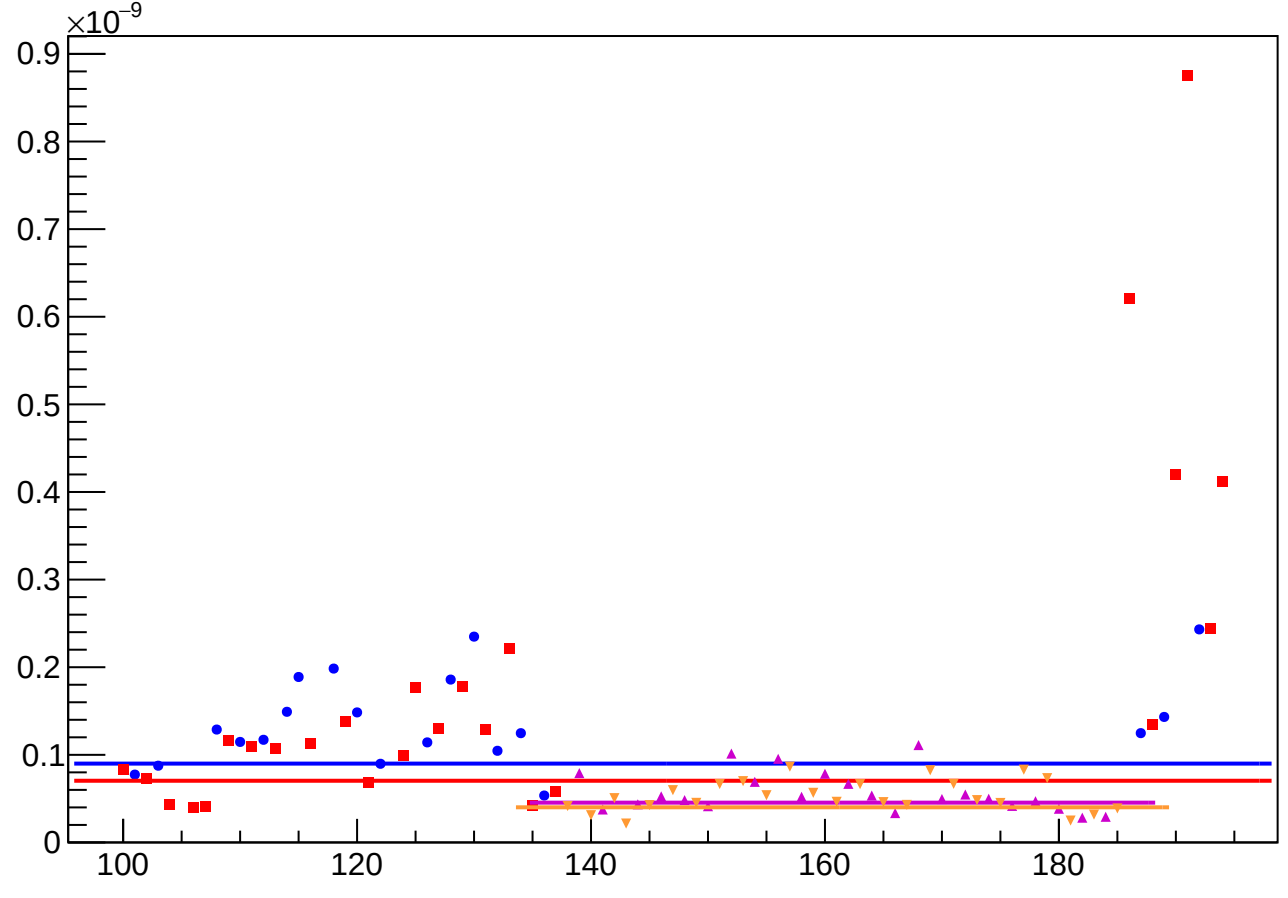
In: 194.906+/-0.030 χ^2/NDF:9439576.0/41

Out: 169.208+/-0.026 χ^2/NDF:15429017.4/49

All: 180.339+/-0.019 χ^2/NDF: 25295418.4/91


asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 22.5/18
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.5/24
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: 45.7/43
In: 0.000+/-0.000 χ²/NDF:46.0/41
Out: 0.000+/-0.000 χ²/NDF:61.2/49
All: 0.000+/-0.000 χ²/NDF: 107.2/91

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: 2017506.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4282007.7/24

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

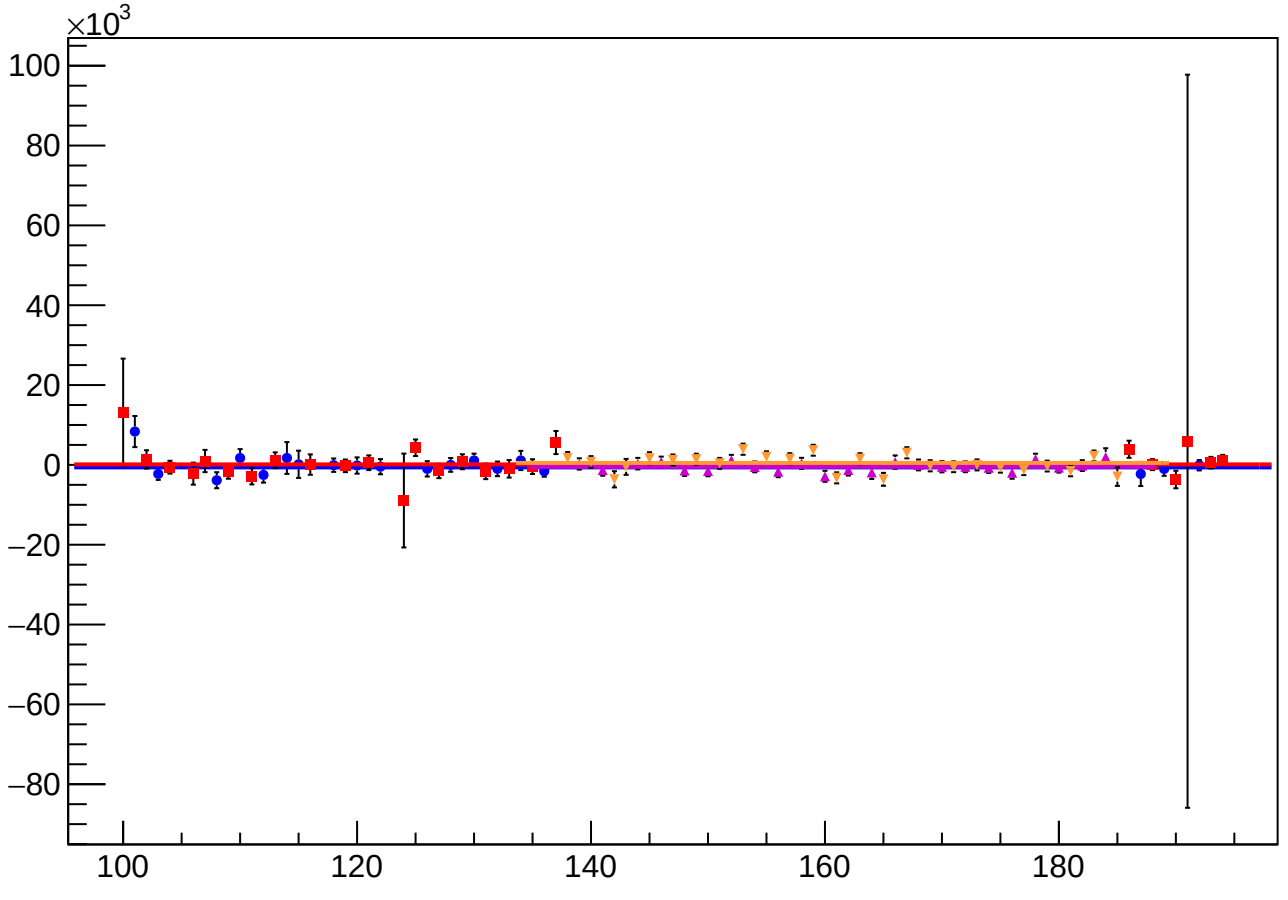
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 6566622.1/43

In: 0.000+/-0.000 χ^2/NDF:6856545.3/41

Out: 0.000+/-0.000 χ^2/NDF:9333664.0/49

All: 0.000+/-0.000 χ^2/NDF: 16432005.0/91



Right In: -629.002+/-437.603 χ^2/NDF: 14.4/18

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 122.782+/-402.054 χ^2/NDF: 22.8/24

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

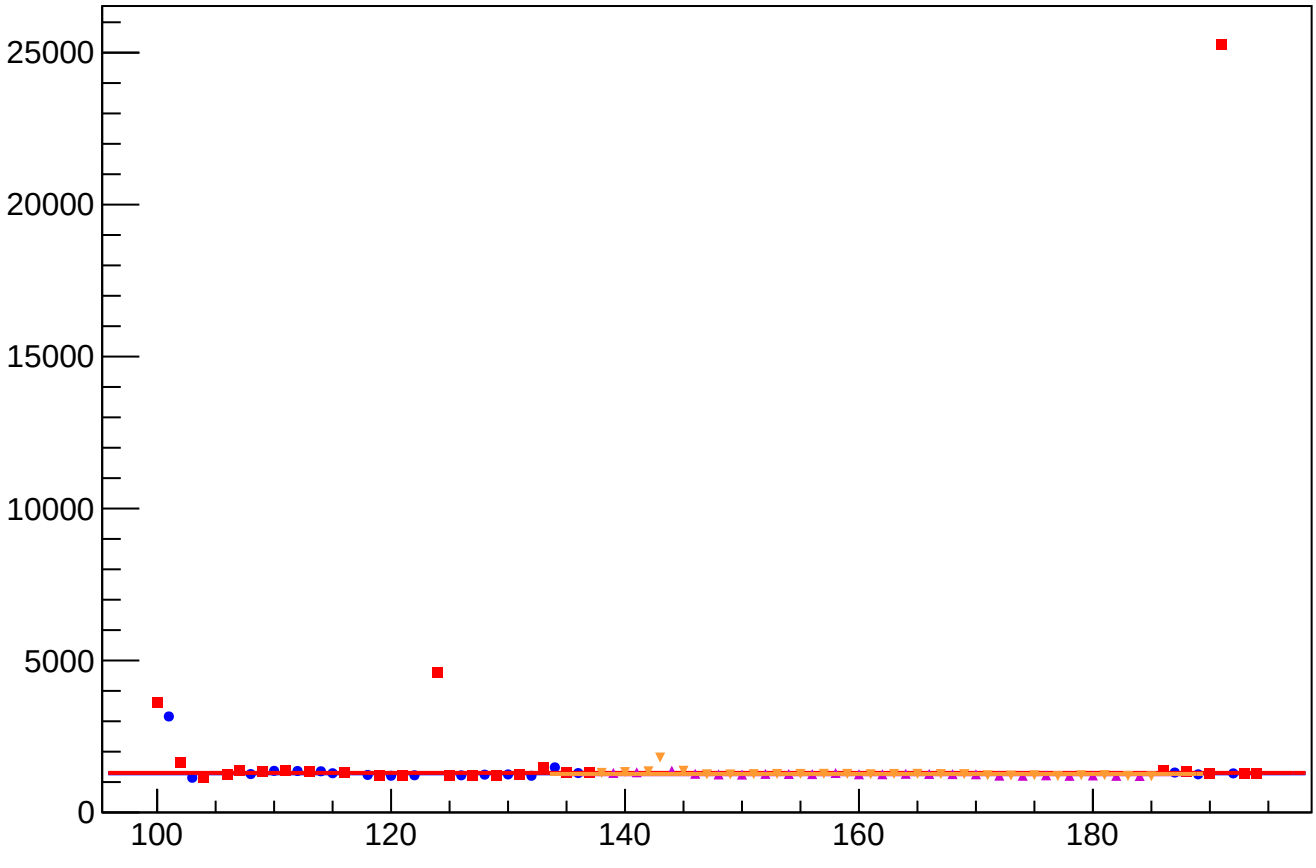
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -221.338+/-296.066 χ^2/NDF: 38.8/43

In: -530.991+/-243.906 χ^2/NDF:28.9/41

Out: 366.551+/-234.395 χ^2/NDF:70.3/49

All: -64.380+/-169.005 χ^2/NDF: 106.2/91



Right In: 1287.289+/-0.309 χ^2/NDF: 515593.7/18

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1302.077+/-0.284 χ^2/NDF: 465491.2/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

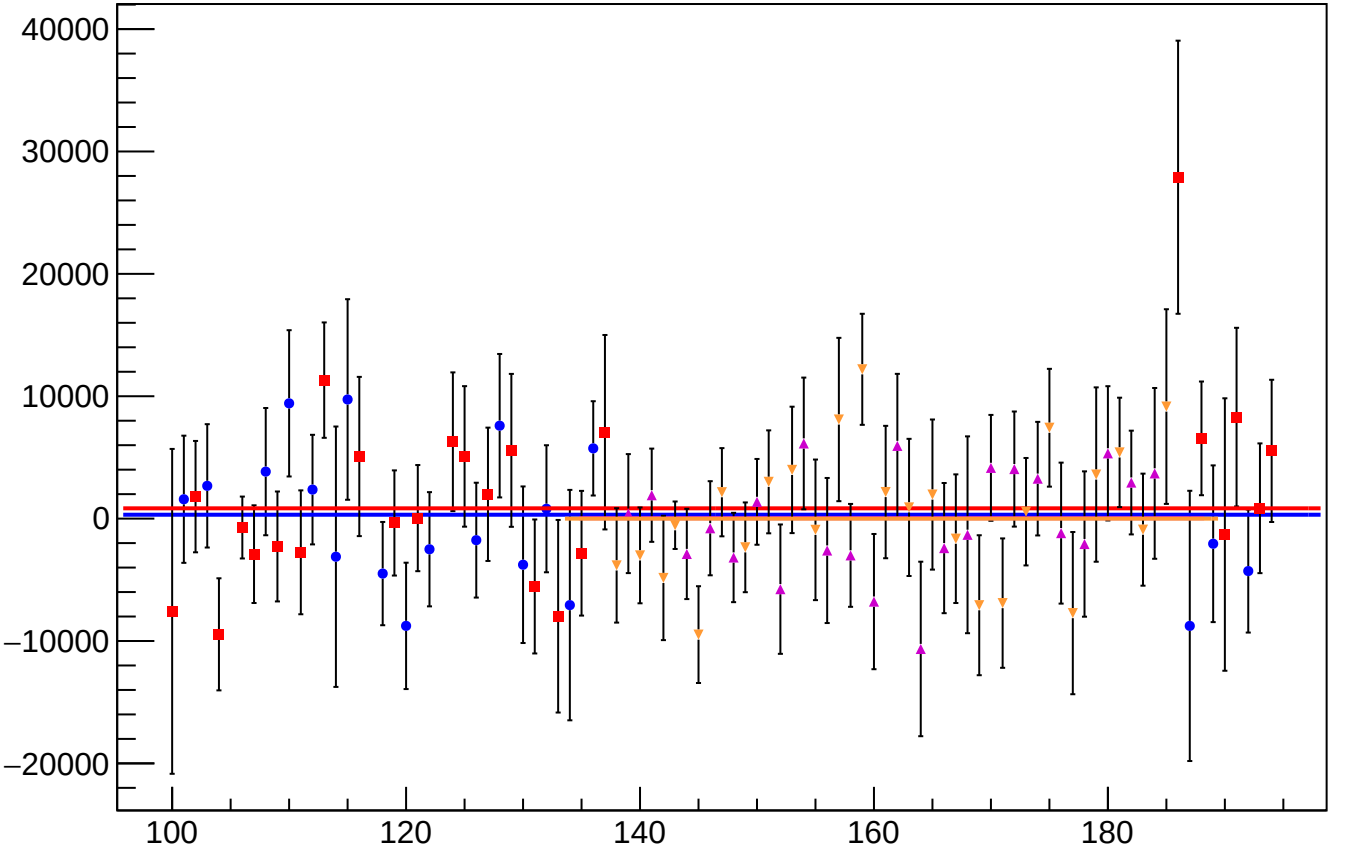
Right: 1295.321+/-0.209 χ^2/NDF: 982325.3/43

In: 1266.790+/-0.172 χ^2/NDF:558776.7/41

Out: 1278.929+/-0.166 χ^2/NDF:663128.1/49

All: 1273.104+/-0.119 χ^2/NDF: 1224481.7/91

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 317.922+/-1248.509 χ^2/NDF: 15.9/18

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 841.152+/-1022.496 χ^2/NDF: 28.2/24

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

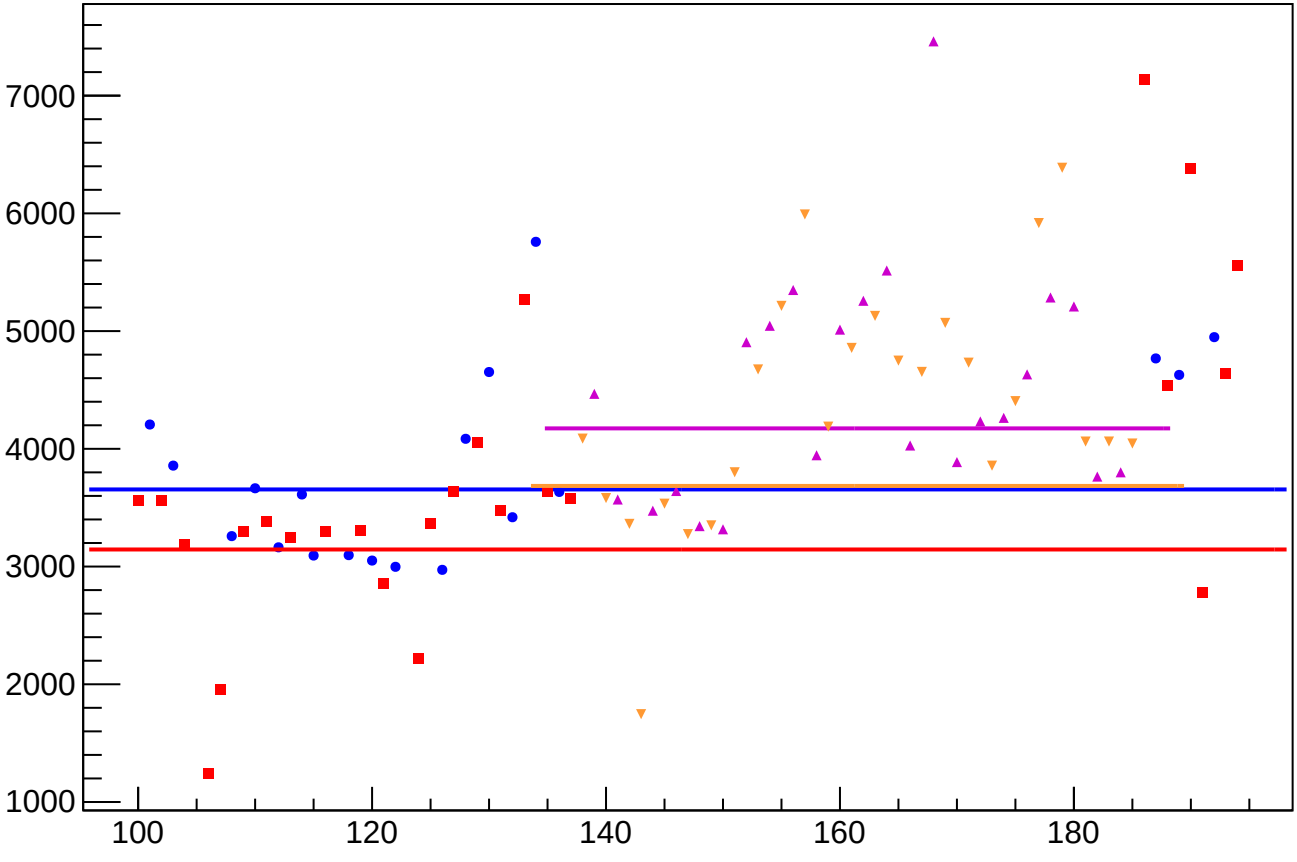
Right: 631.099+/-791.061 χ^2/NDF: 44.1/43

In: 142.859+/-778.287 χ^2/NDF:29.9/41

Out: 360.605+/-669.804 χ^2/NDF:57.6/49

All: 267.953+/-507.682 χ^2/NDF: 87.6/91

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3655.027+/-0.883 χ^2/NDF: 577740.2/18

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3144.971+/-0.723 χ^2/NDF: 2757144.2/24

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

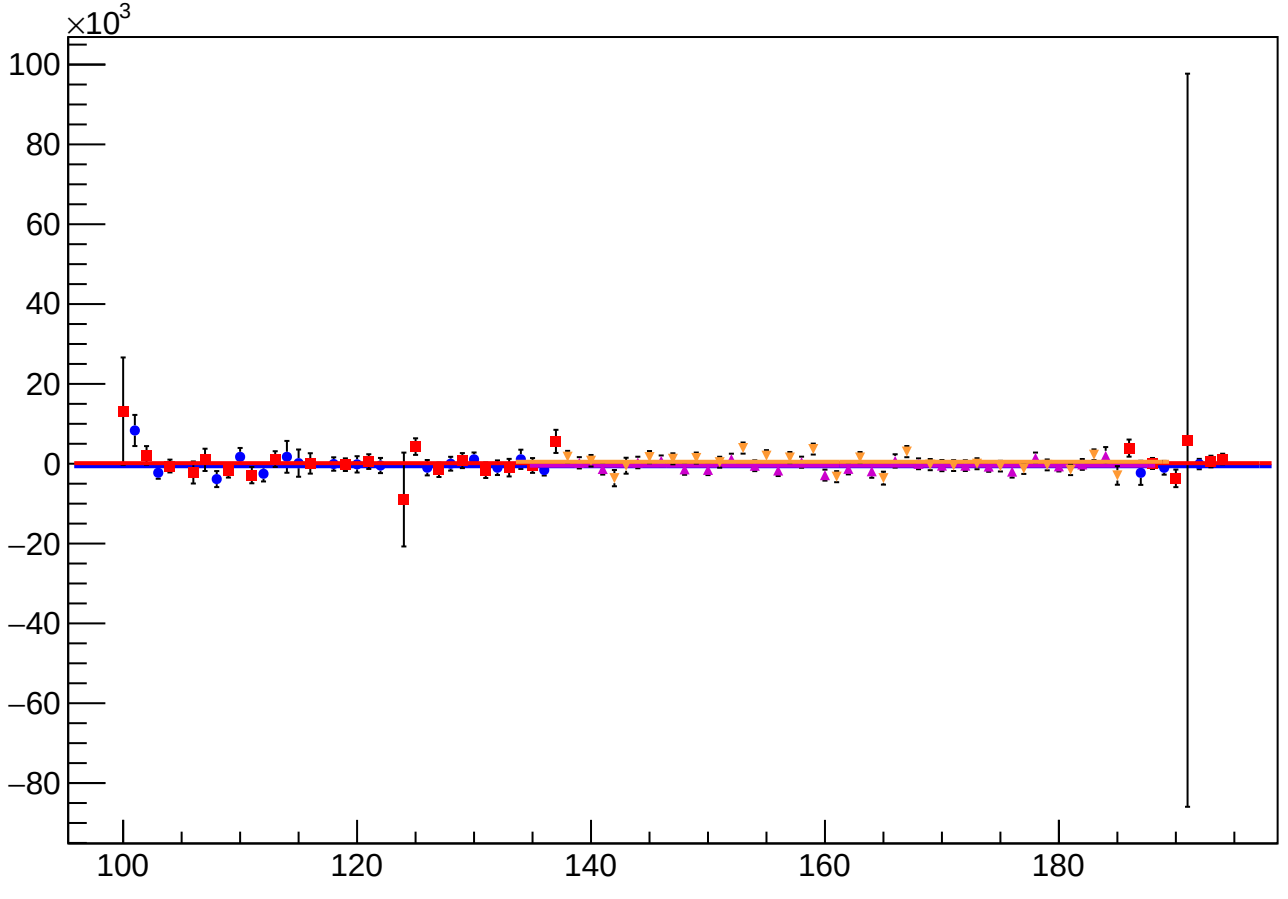
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3349.735+/-0.559 χ^2/NDF: 3534676.8/43

In: 3972.059+/-0.550 χ^2/NDF:2063631.1/41

Out: 3453.134+/-0.474 χ^2/NDF:6769004.2/49

All: 3673.938+/-0.359 χ^2/NDF: 9343430.2/91



Right In: -629.317+/-437.603 χ^2/NDF: 14.4/18

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 142.652+/-402.235 χ^2/NDF: 23.2/24

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

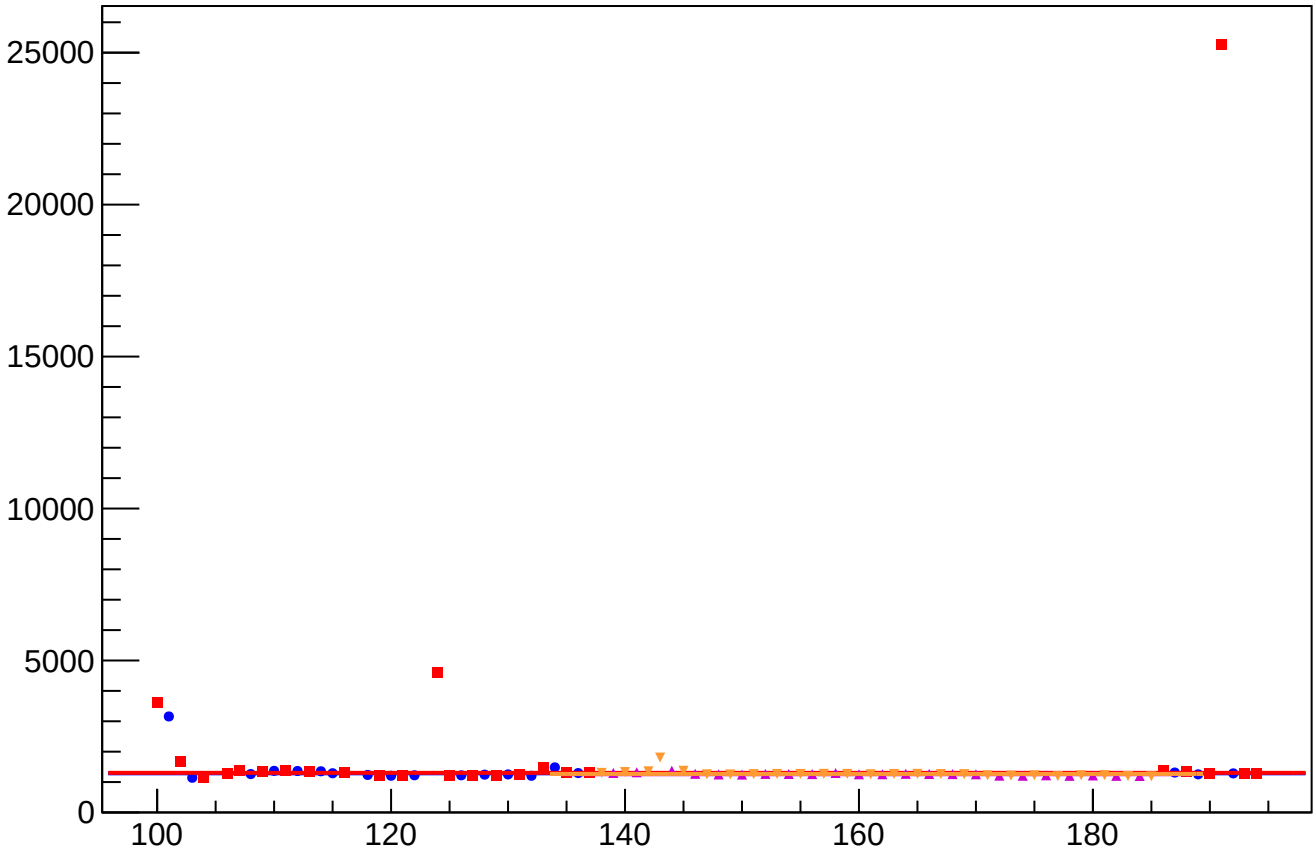
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -210.880+/-296.139 χ^2/NDF: 39.3/43

In: -531.019+/-243.906 χ^2/NDF:28.9/41

Out: 373.385+/-234.431 χ^2/NDF:70.6/49

All: -60.909+/-169.018 χ^2/NDF: 106.7/91



Right In: 1287.289+/-0.309 χ^2/NDF: 515595.1/18

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1303.463+/-0.284 χ^2/NDF: 471917.6/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

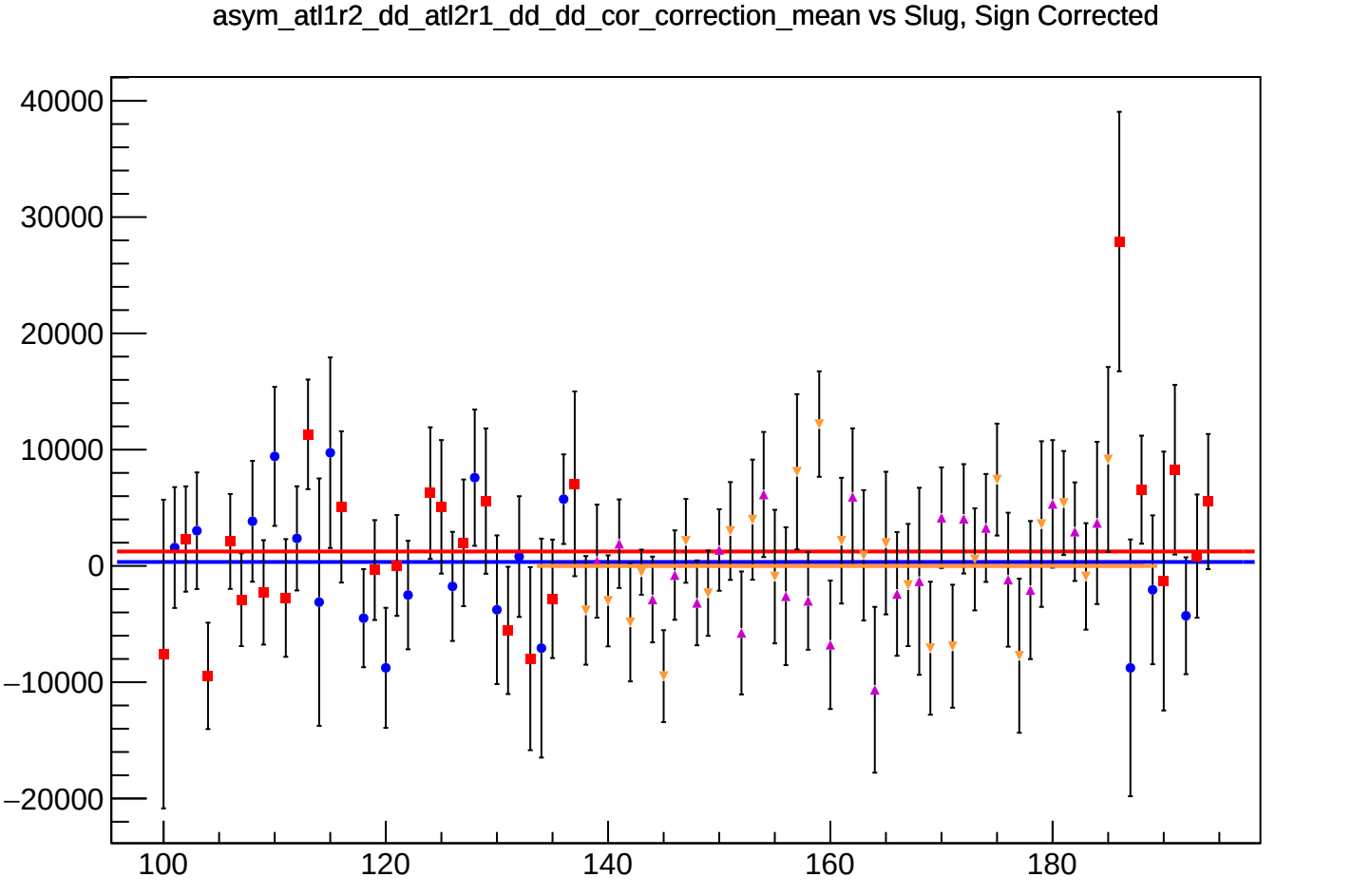
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1296.066+/-0.209 χ^2/NDF: 988995.3/43

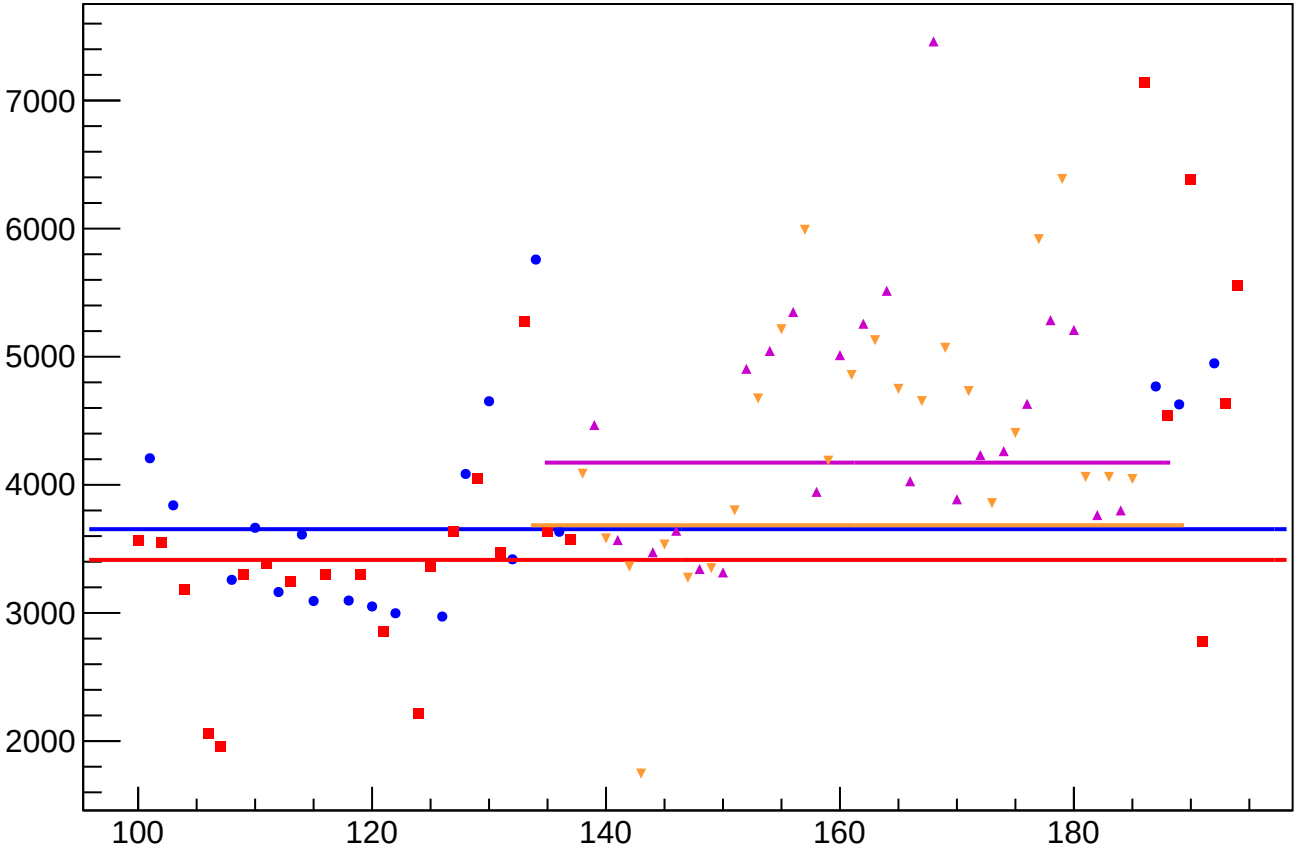
In: 1266.790+/-0.172 χ^2/NDF:558778.1/41

Out: 1279.385+/-0.166 χ^2/NDF:670352.9/49

All: 1273.339+/-0.119 χ^2/NDF: 1231904.4/91


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
Right In: 341.091+/-1248.128 χ²/NDF: 15.9/18
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: 1242.874+/-1077.835 χ²/NDF: 27.8/24
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 857.654+/-815.761 χ²/NDF: 44.0/43
In: 151.909+/-778.194 χ²/NDF:30.0/41
Out: 501.181+/-684.662 χ²/NDF:57.7/49
All: 348.786+/-514.034 χ²/NDF: 87.8/91

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3654.127+/-0.883 χ^2/NDF: 577322.7/18

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3414.267+/-0.762 χ^2/NDF: 1639771.3/24

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

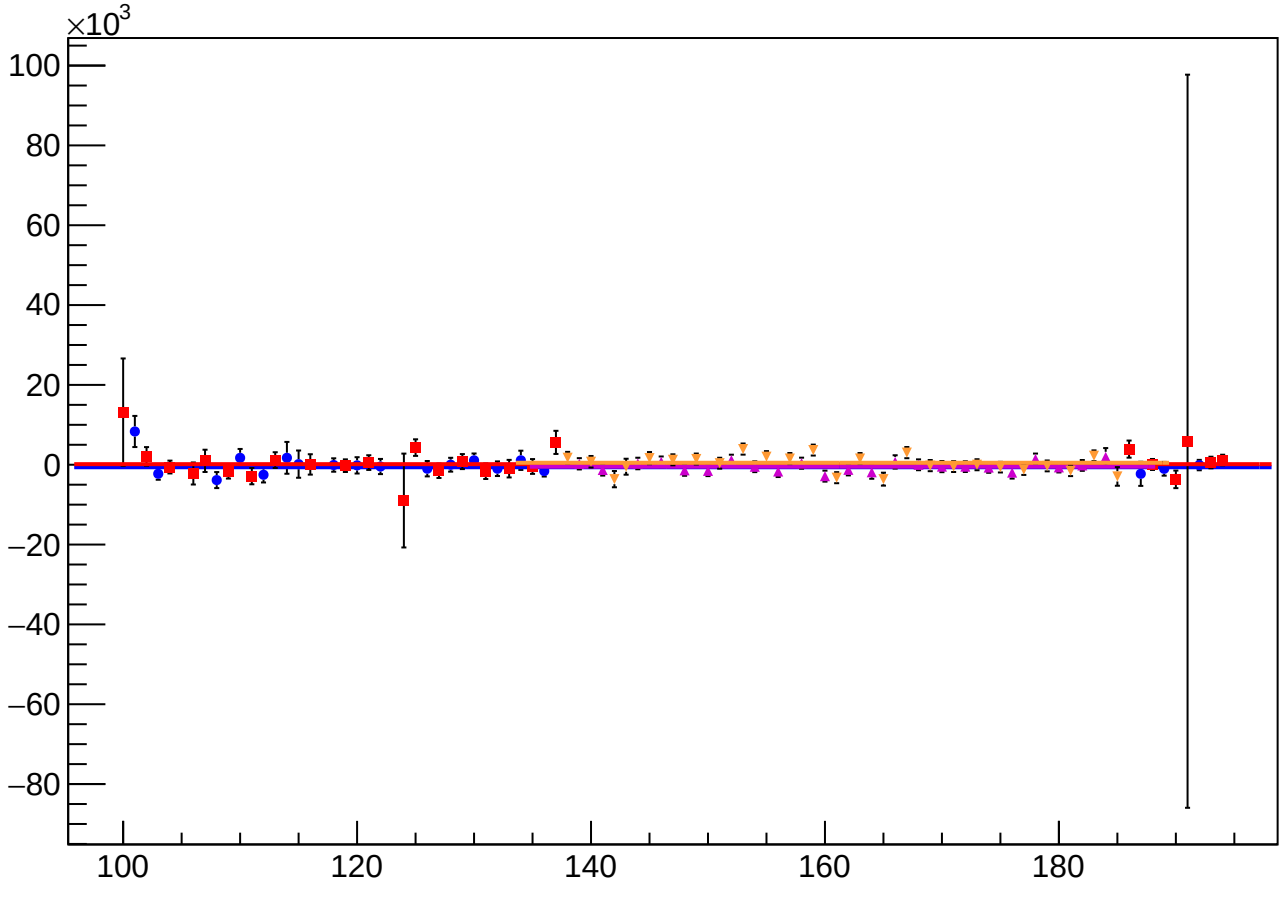
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3516.729+/-0.577 χ^2/NDF: 2259404.5/43

In: 3971.630+/-0.550 χ^2/NDF:2064019.8/41

Out: 3575.616+/-0.484 χ^2/NDF:5408595.2/49

All: 3748.406+/-0.363 χ^2/NDF: 7764564.0/91



Right In: -629.317+/-437.603 χ^2/NDF: 14.4/18

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 142.652+/-402.235 χ^2/NDF: 23.2/24

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

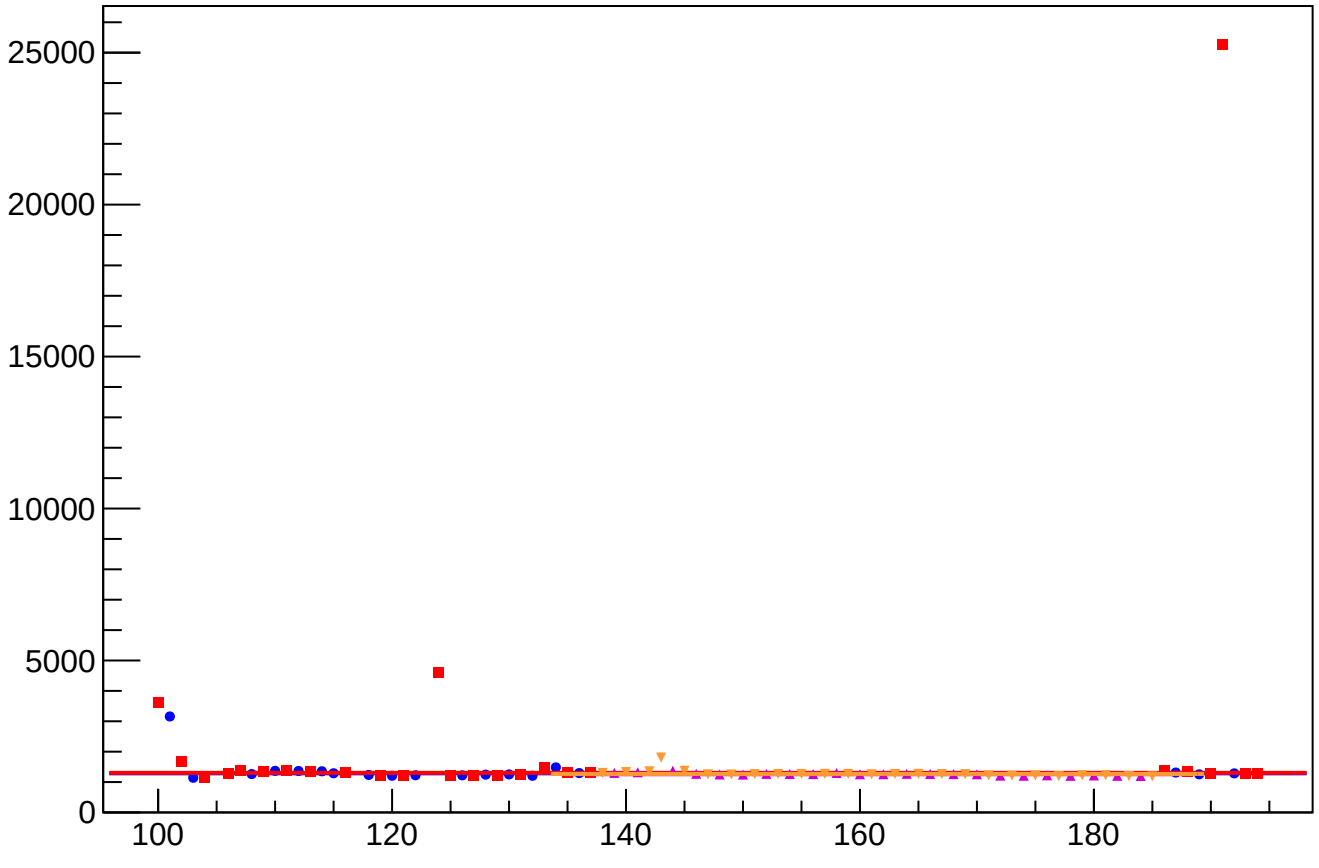
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -210.880+/-296.139 χ^2/NDF: 39.3/43

In: -531.019+/-243.906 χ^2/NDF:28.9/41

Out: 373.385+/-234.431 χ^2/NDF:70.6/49

All: -60.909+/-169.018 χ^2/NDF: 106.7/91



Right In: 1287.289+/-0.309 χ^2/NDF: 515595.1/18

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1303.463+/-0.284 χ^2/NDF: 471917.6/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

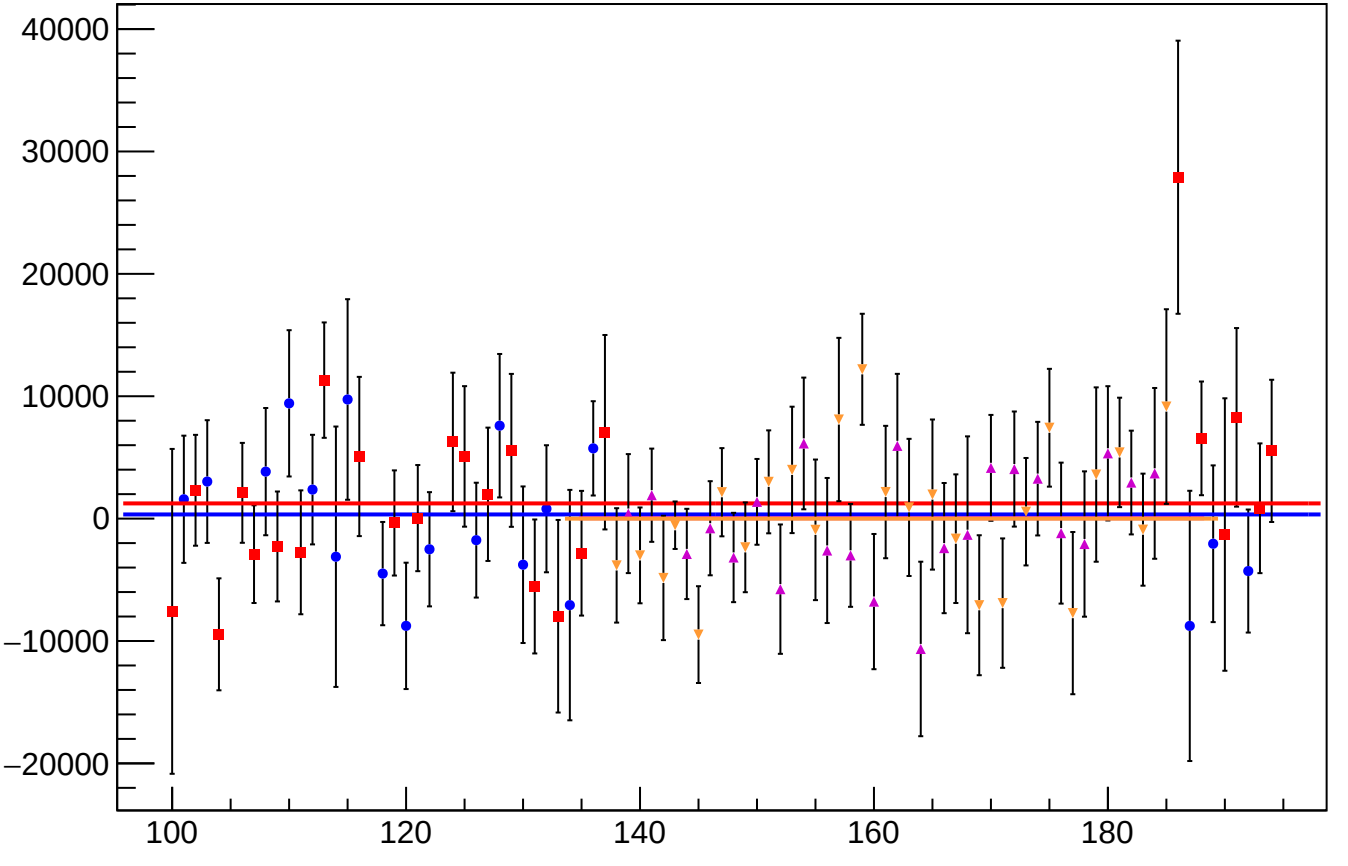
Right: 1296.066+/-0.209 χ^2/NDF: 988995.3/43

In: 1266.790+/-0.172 χ^2/NDF:558778.1/41

Out: 1279.385+/-0.166 χ^2/NDF:670352.9/49

All: 1273.339+/-0.119 χ^2/NDF: 1231904.4/91

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 341.091+/-1248.128 χ^2/NDF: 15.9/18

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1242.874+/-1077.835 χ^2/NDF: 27.8/24

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

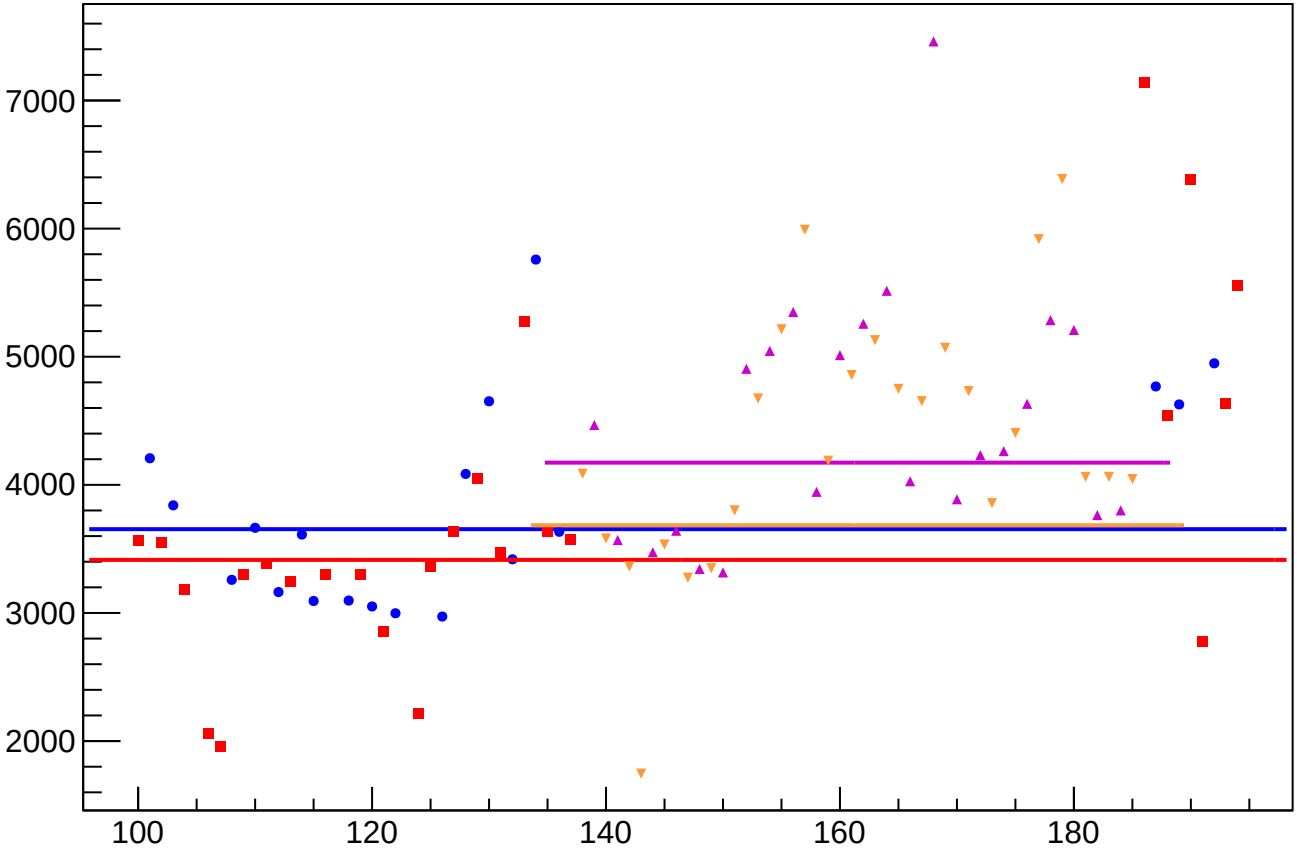
Right: 857.654+/-815.761 χ^2/NDF: 44.0/43

In: 151.909+/-778.194 χ^2/NDF:30.0/41

Out: 501.181+/-684.662 χ^2/NDF:57.7/49

All: 348.786+/-514.034 χ^2/NDF: 87.8/91

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3654.127+/-0.883 χ^2/NDF: 577322.7/18

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3414.267+/-0.762 χ^2/NDF: 1639771.3/24

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

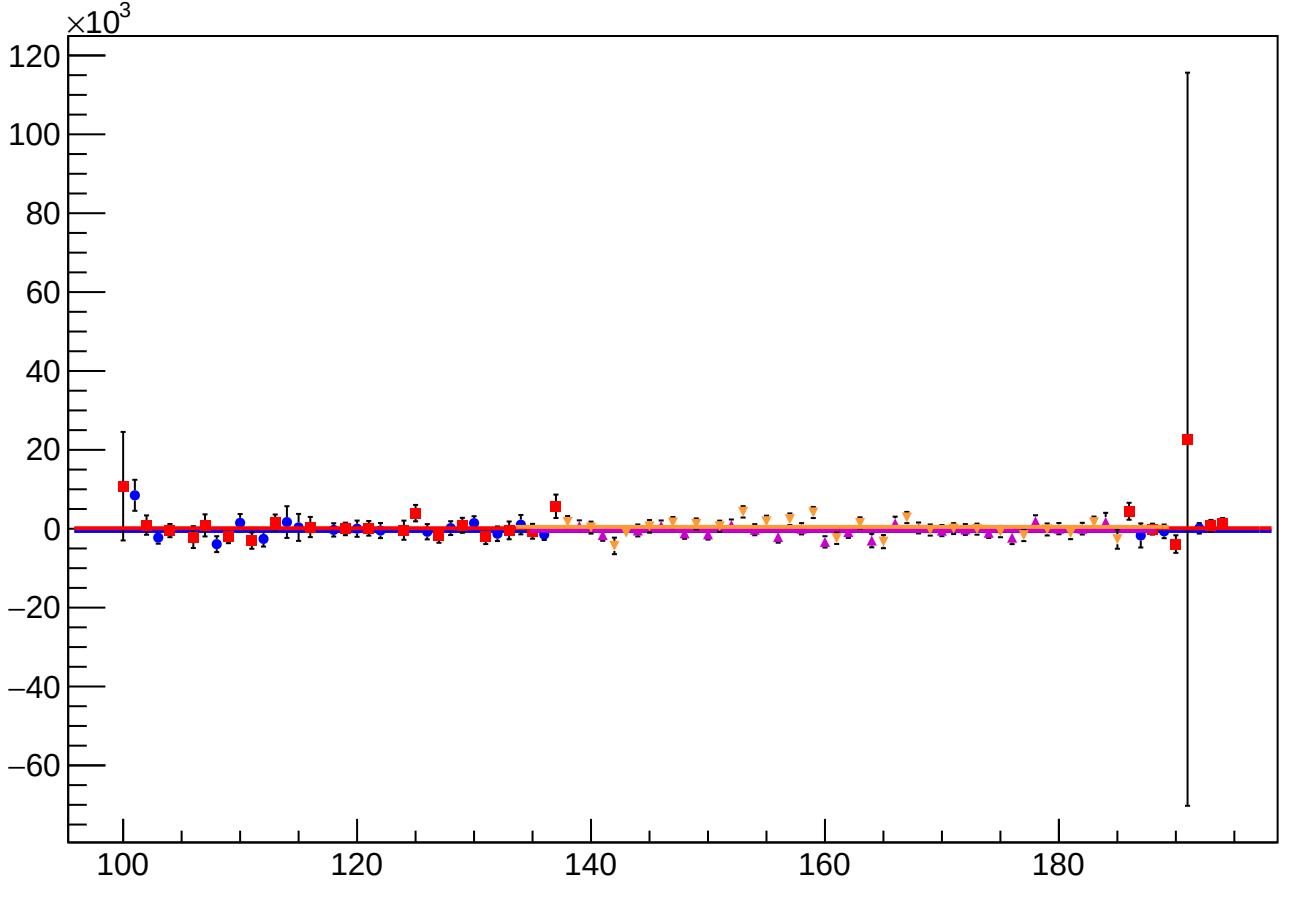
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3516.729+/-0.577 χ^2/NDF: 2259404.5/43

In: 3971.630+/-0.550 χ^2/NDF:2064019.8/41

Out: 3575.616+/-0.484 χ^2/NDF:5408595.2/49

All: 3748.406+/-0.363 χ^2/NDF: 7764564.0/91



Right In: -555.878+/-442.785 χ^2/NDF: 14.5/18

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 122.732+/-402.102 χ^2/NDF: 23.5/24

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

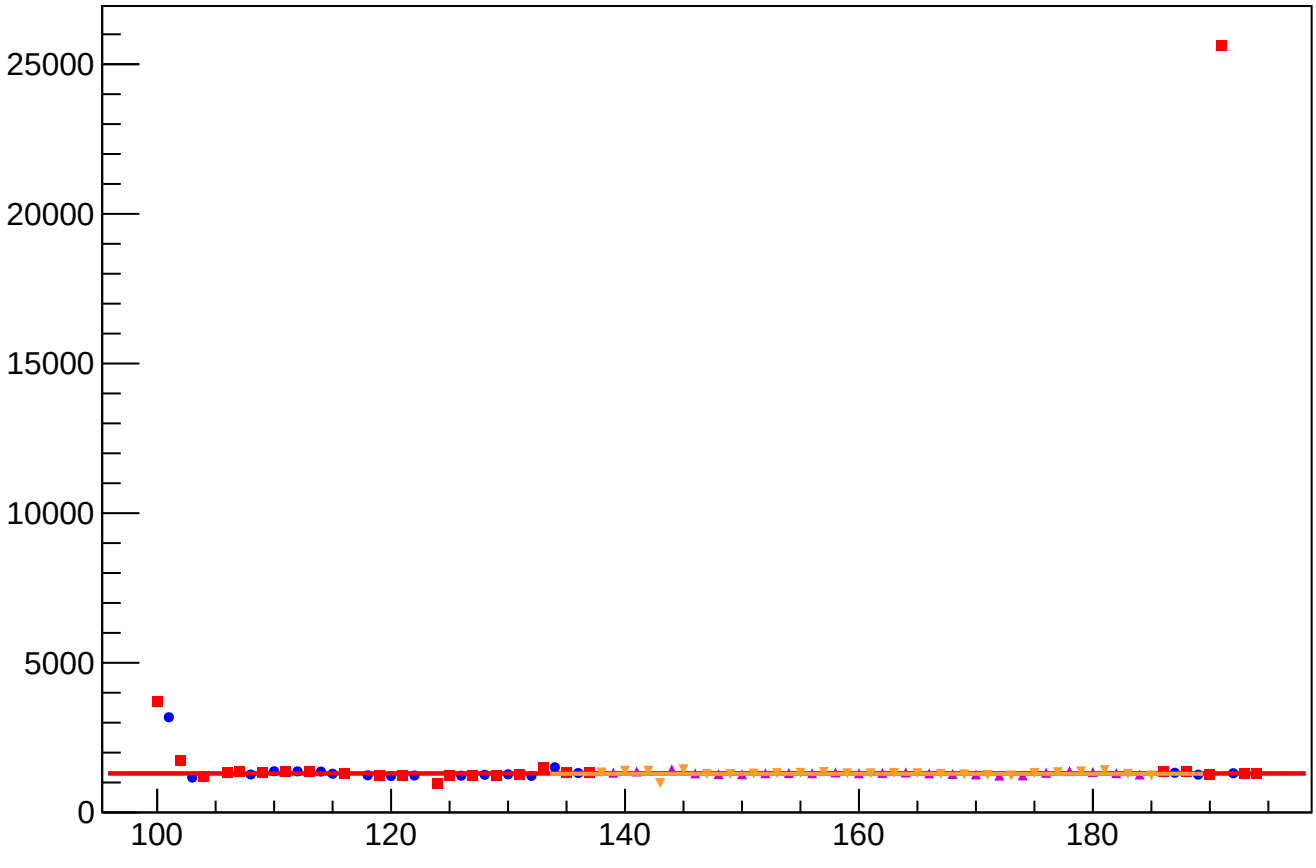
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -183.972+/-297.675 χ^2/NDF: 39.3/43

In: -520.548+/-252.322 χ^2/NDF:31.9/41

Out: 347.539+/-237.464 χ^2/NDF:68.1/49

All: -60.195+/-172.927 χ^2/NDF: 106.3/91



Right In: 1302.569+/-0.313 χ^2/NDF: 511871.0/18

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1305.677+/-0.284 χ^2/NDF: 360135.5/24

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

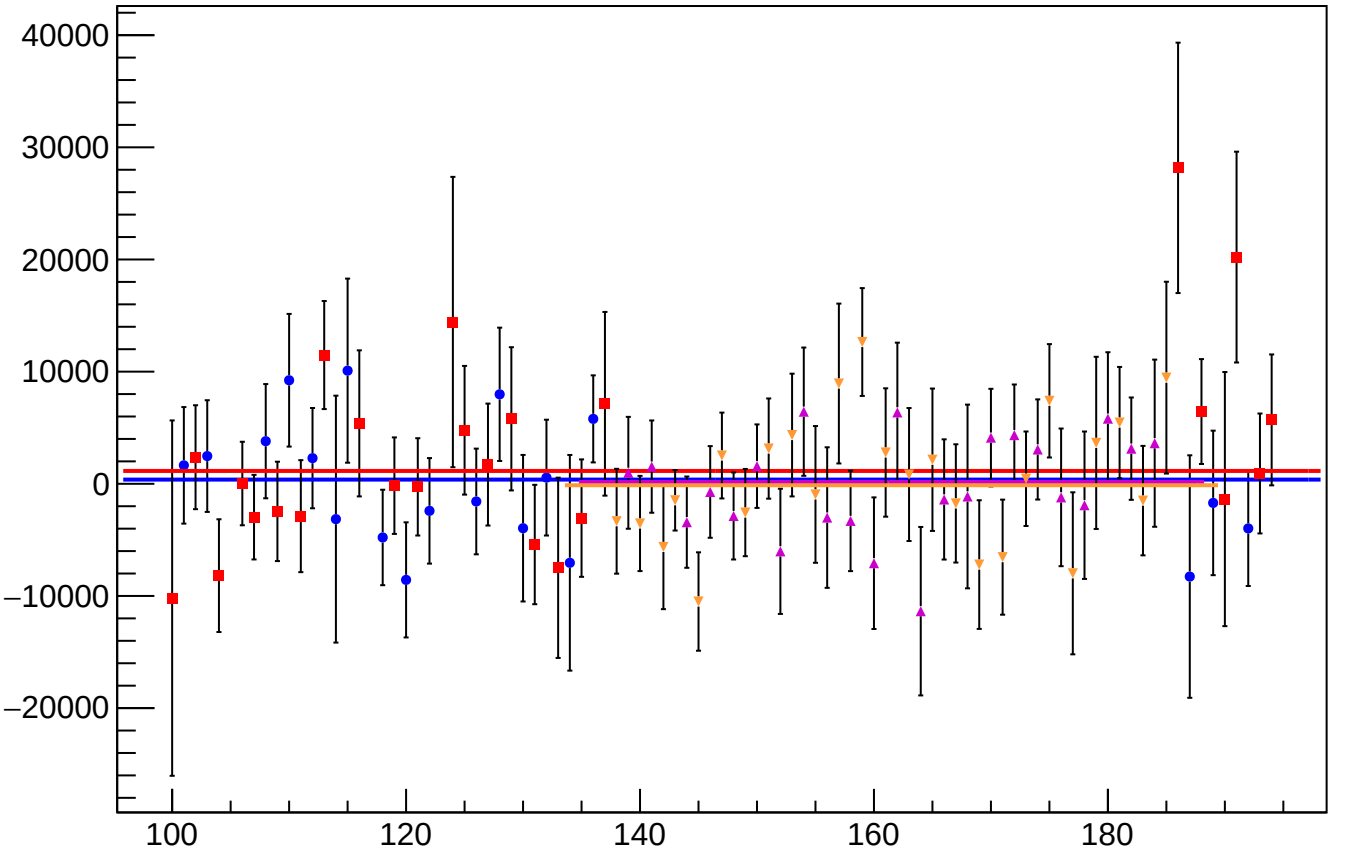
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1304.273+/-0.210 χ^2/NDF: 872060.5/43

In: 1310.292+/-0.178 χ^2/NDF:555816.7/41

Out: 1296.259+/-0.168 χ^2/NDF:592557.5/49

All: 1302.849+/-0.122 χ^2/NDF: 1151655.2/91



Right In: 374.648+/-1251.845 χ^2/NDF: 15.7/18

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1145.582+/-1096.551 χ^2/NDF: 29.6/24

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

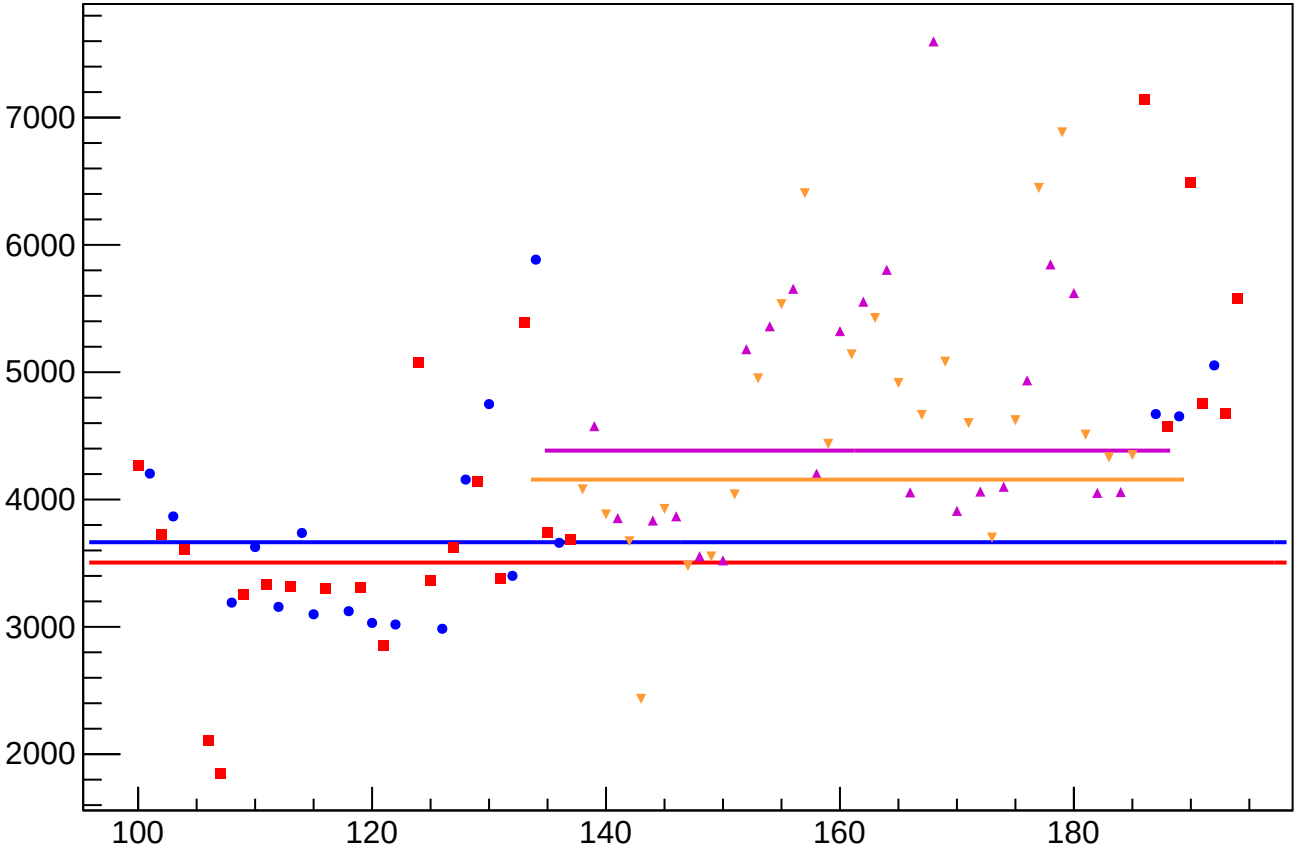
Right: 810.873+/-824.851 χ^2/NDF: 45.6/43

In: 247.877+/-802.456 χ^2/NDF:29.5/41

Out: 436.159+/-729.559 χ^2/NDF:58.9/49

All: 350.957+/-539.812 χ^2/NDF: 88.5/91

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3664.685+/-0.885 χ^2/NDF: 611305.2/18

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3504.957+/-0.775 χ^2/NDF: 1746894.4/24

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

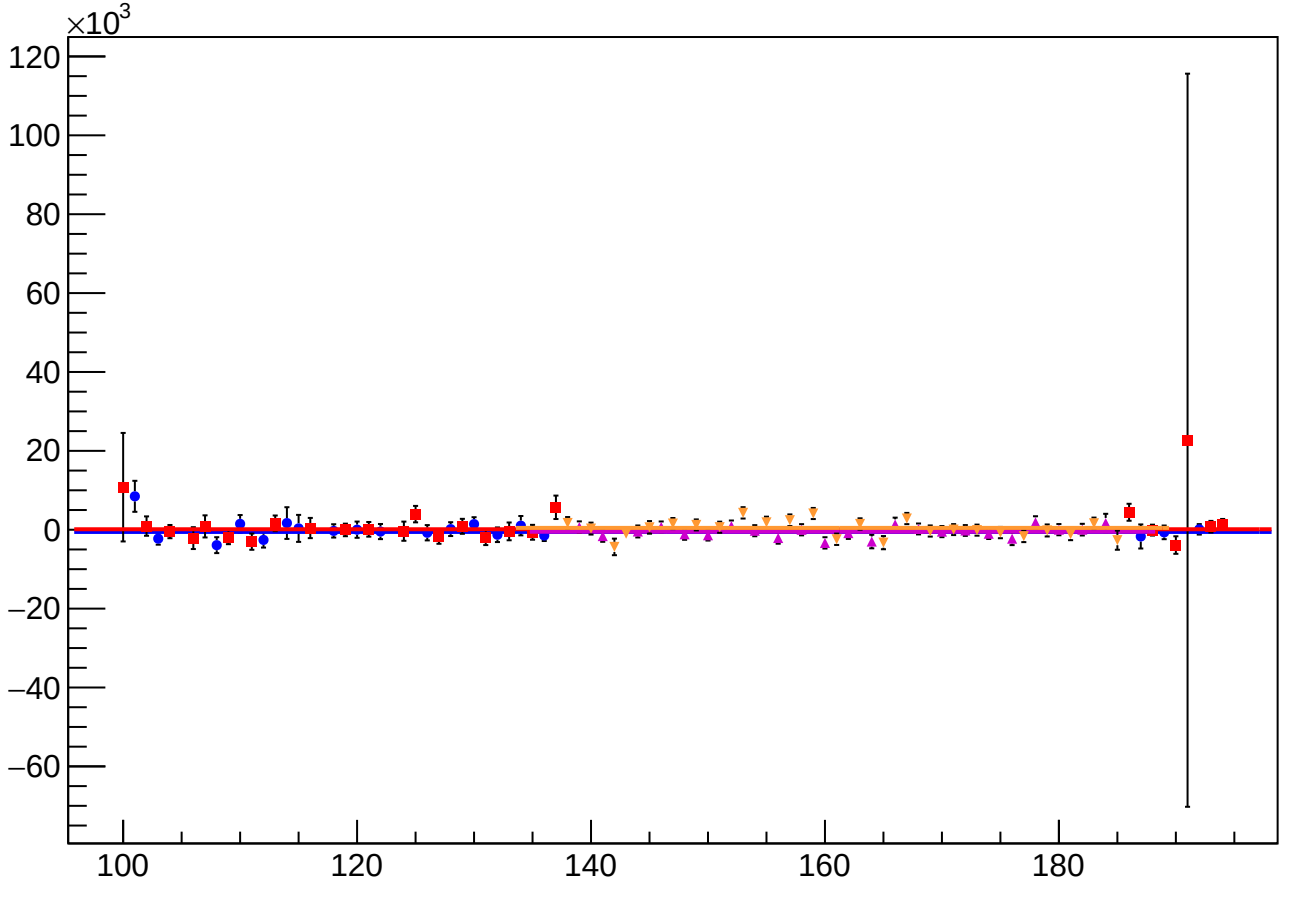
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3574.305+/-0.583 χ^2/NDF: 2376623.4/43

In: 4088.620+/-0.567 χ^2/NDF:2256128.5/41

Out: 3868.139+/-0.516 χ^2/NDF:4221295.0/49

All: 3967.912+/-0.382 χ^2/NDF: 6560083.9/91



Right In: -555.882+/-442.785 χ^2/NDF: 14.5/18

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 122.727+/-402.102 χ^2/NDF: 23.5/24

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

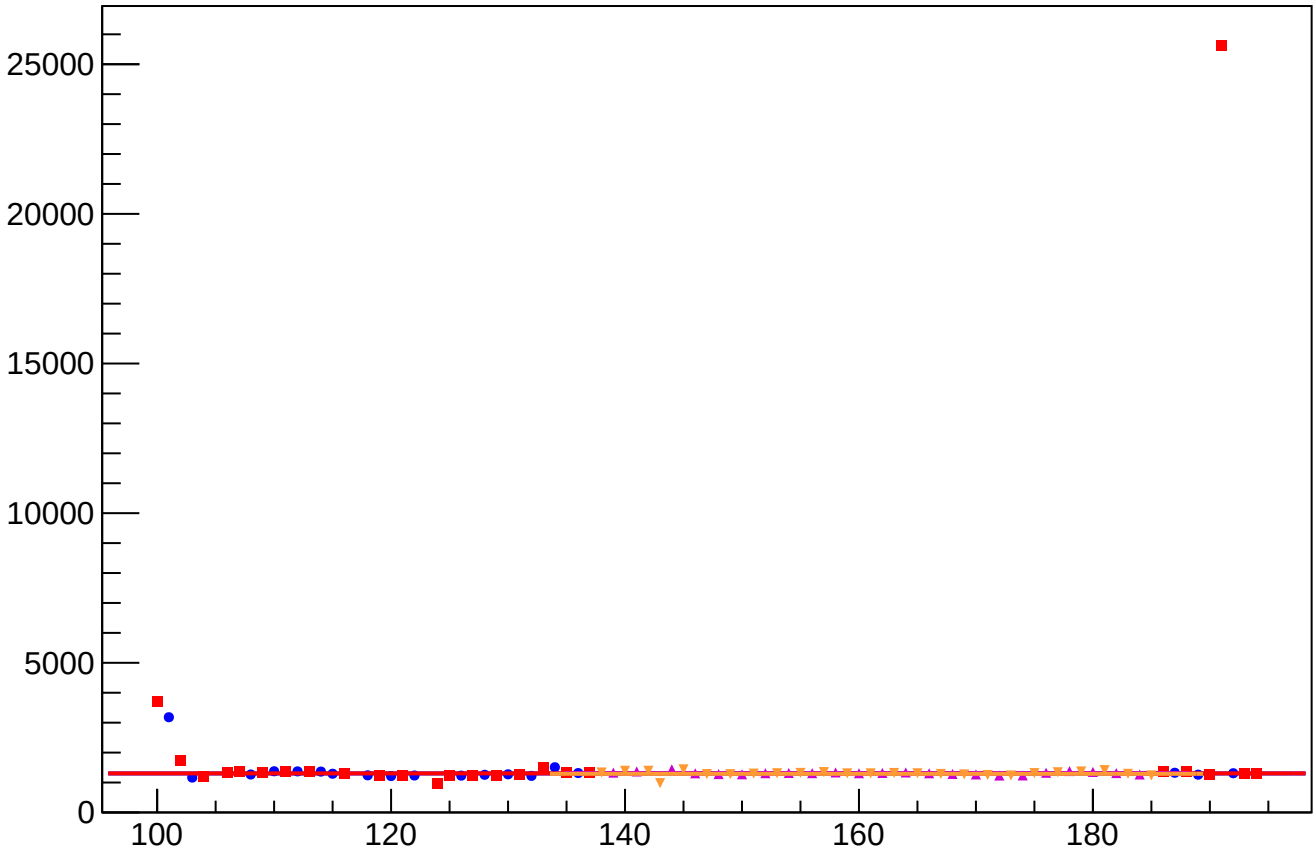
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -183.977+/-297.675 χ^2/NDF: 39.3/43

In: -520.549+/-252.322 χ^2/NDF:31.9/41

Out: 347.539+/-237.464 χ^2/NDF:68.1/49

All: -60.196+/-172.927 χ^2/NDF: 106.3/91



Right In: 1302.568+/-0.313 χ^2/NDF: 511871.1/18

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1305.677+/-0.284 χ^2/NDF: 360135.6/24

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

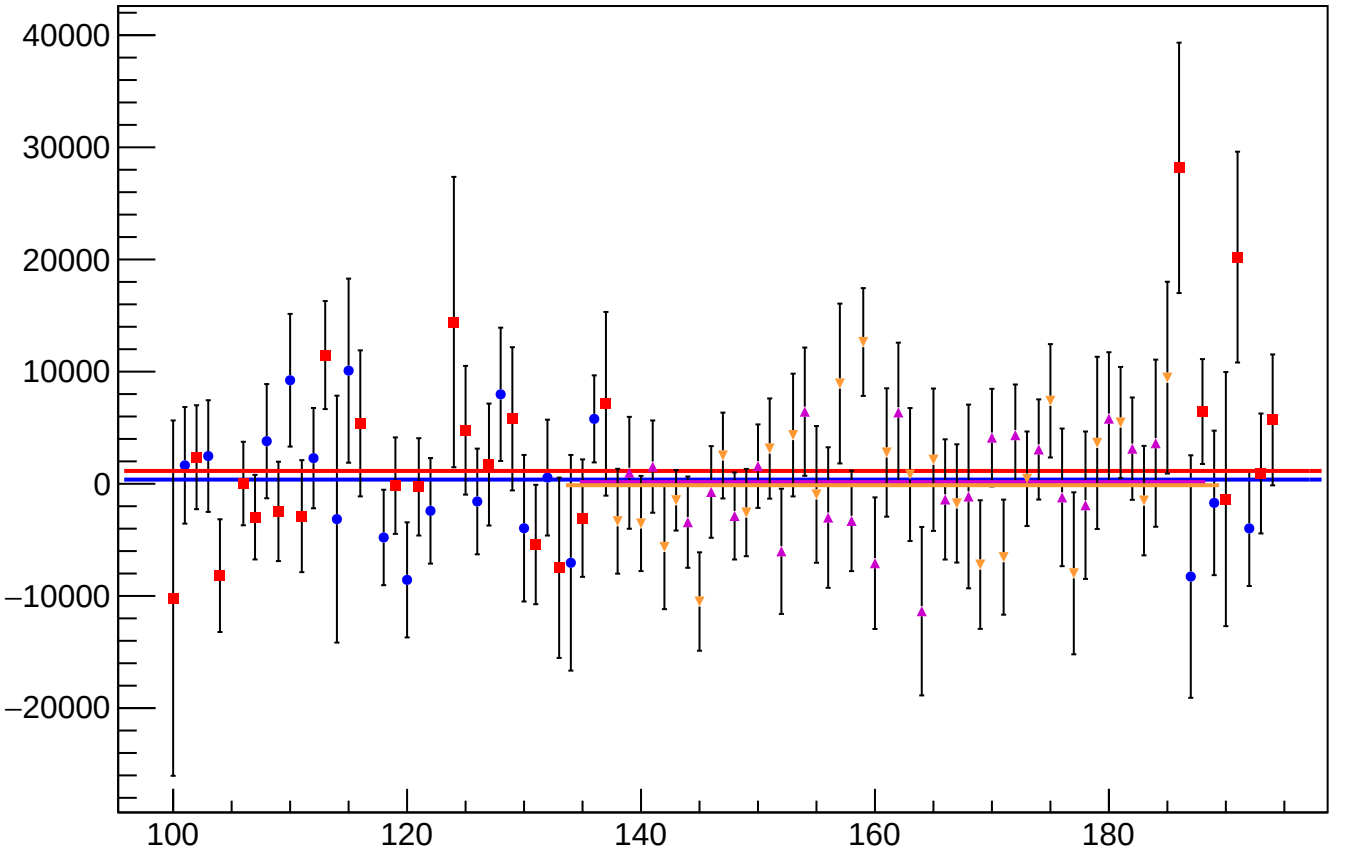
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1304.273+/-0.210 χ^2/NDF: 872060.8/43

In: 1310.293+/-0.178 χ^2/NDF:555819.3/41

Out: 1296.260+/-0.168 χ^2/NDF:592559.8/49

All: 1302.850+/-0.122 χ^2/NDF: 1151660.0/91



Right In: 374.640+/-1251.843 χ^2/NDF: 15.7/18

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1145.573+/-1096.549 χ^2/NDF: 29.6/24

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

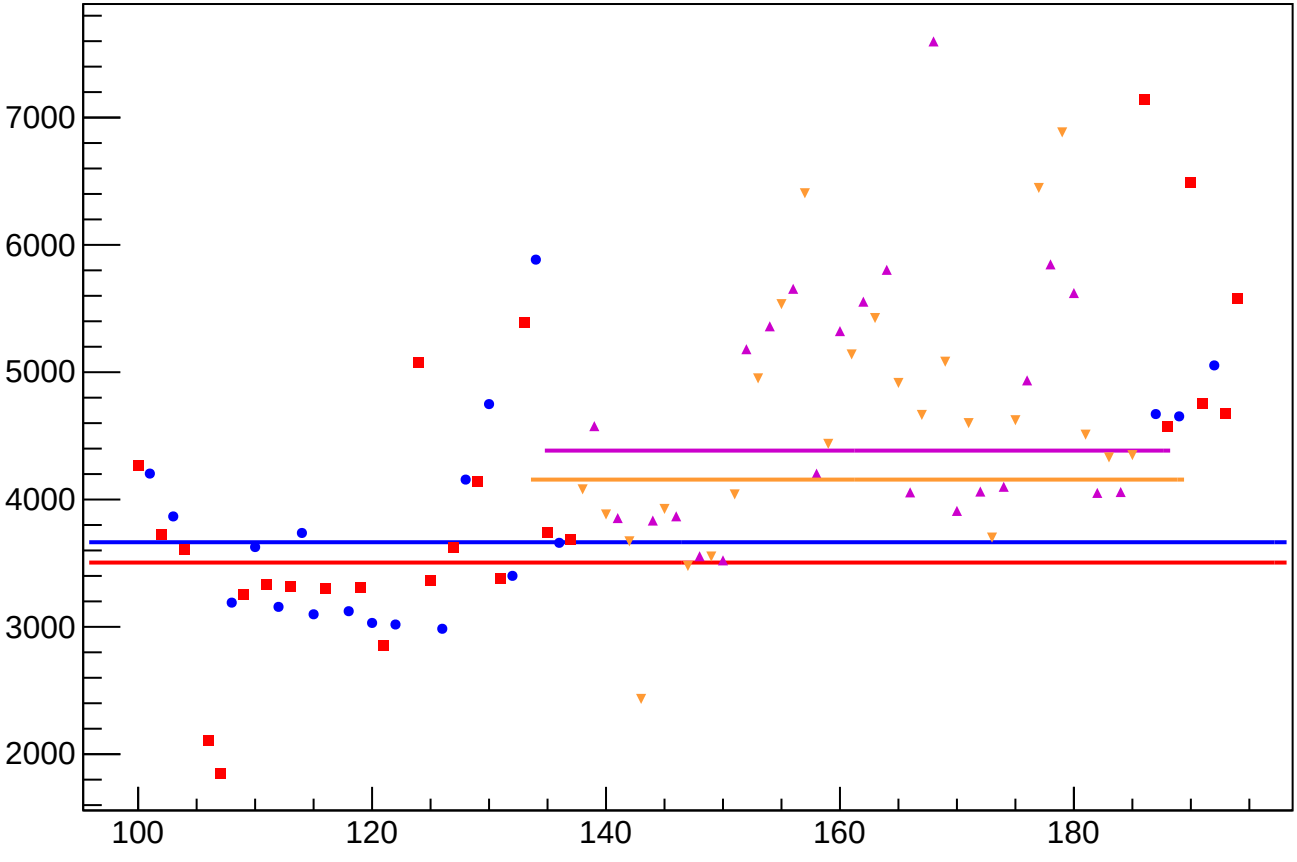
Right: 810.865+/-824.849 χ^2/NDF: 45.6/43

In: 247.875+/-802.456 χ^2/NDF:29.5/41

Out: 436.159+/-729.559 χ^2/NDF:58.9/49

All: 350.956+/-539.812 χ^2/NDF: 88.5/91

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3664.676+/-0.885 χ^2/NDF: 611314.1/18

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3504.950+/-0.775 χ^2/NDF: 1746905.4/24

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

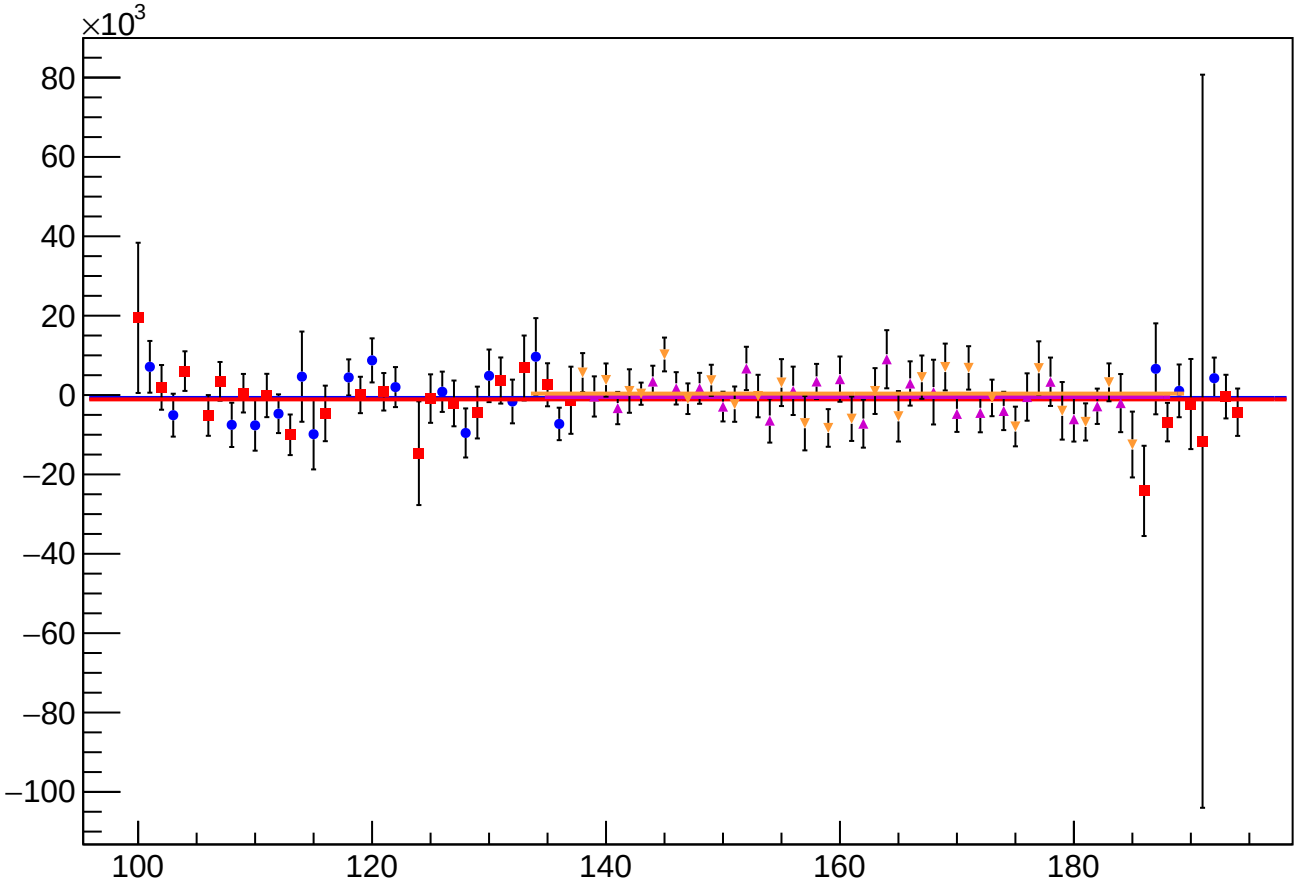
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3574.297+/-0.583 χ^2/NDF: 2376643.1/43

In: 4088.620+/-0.567 χ^2/NDF:2256158.4/41

Out: 3868.138+/-0.516 χ^2/NDF:4221325.7/49

All: 3967.911+/-0.382 χ^2/NDF: 6560144.5/91



Right In: -733.309+/-1342.024 χ^2/NDF: 19.1/18

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1092.453+/-1213.237 χ^2/NDF: 17.9/24

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

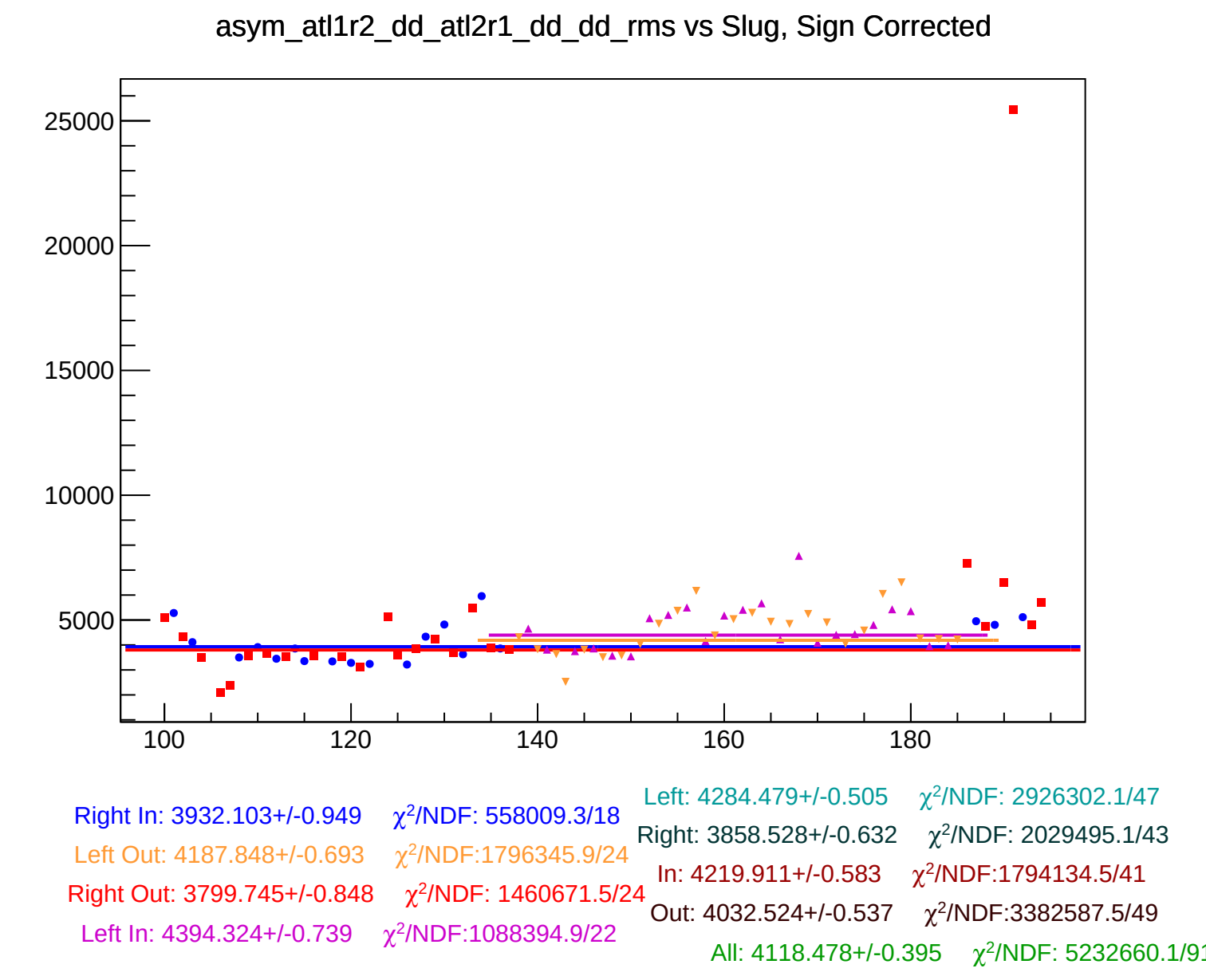
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -930.936+/-899.984 χ^2/NDF: 37.1/43

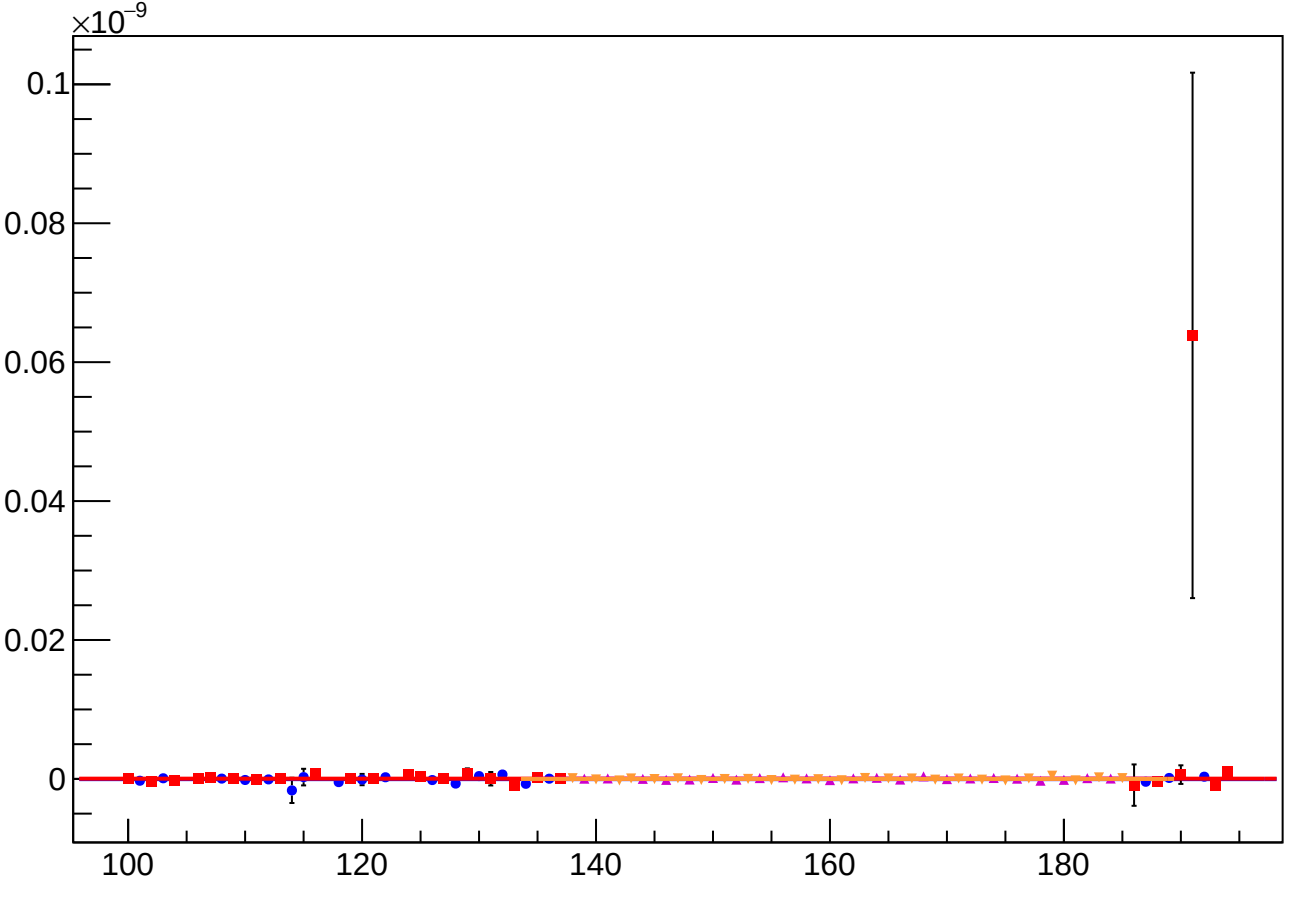
In: -586.492+/-824.370 χ^2/NDF:33.0/41

Out: -211.866+/-762.293 χ^2/NDF:46.4/49

All: -384.544+/-559.683 χ^2/NDF: 79.6/91


asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
Right In: 3932.103+/-0.949 χ²/NDF: 558009.3/18
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 3799.745+/-0.848 χ²/NDF: 1460671.5/24
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 3858.528+/-0.632 χ²/NDF: 2029495.1/43
In: 4219.911+/-0.583 χ²/NDF:1794134.5/41
Out: 4032.524+/-0.537 χ²/NDF:3382587.5/49
All: 4118.478+/-0.395 χ²/NDF: 5232660.1/91

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/24

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

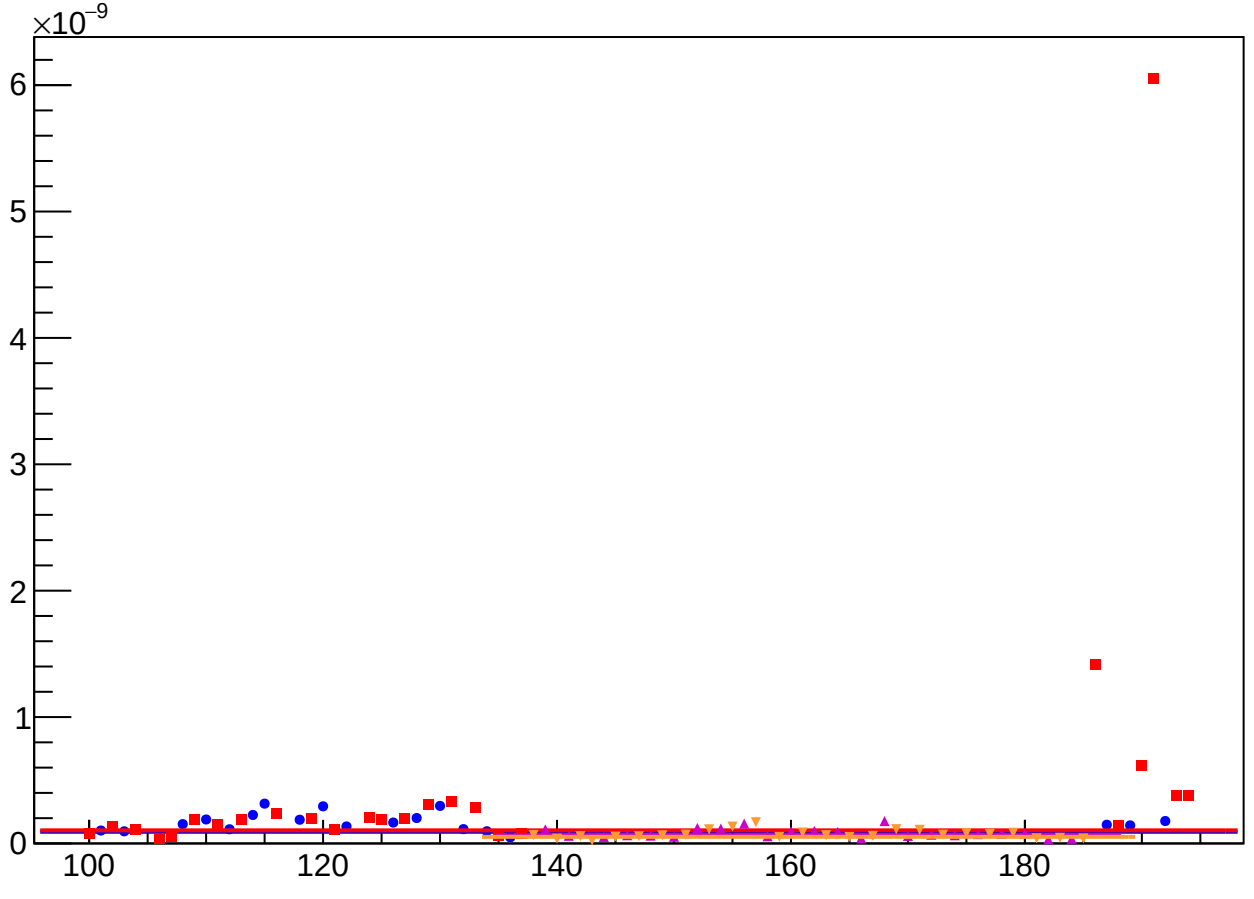
Right: -0.000+/-0.000 χ^2/NDF: 44.5/43

In: 0.000+/-0.000 χ^2/NDF:35.8/41

Out: 0.000+/-0.000 χ^2/NDF:56.6/49

All: 0.000+/-0.000 χ^2/NDF: 92.5/91

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1605476.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3225076.2/24

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

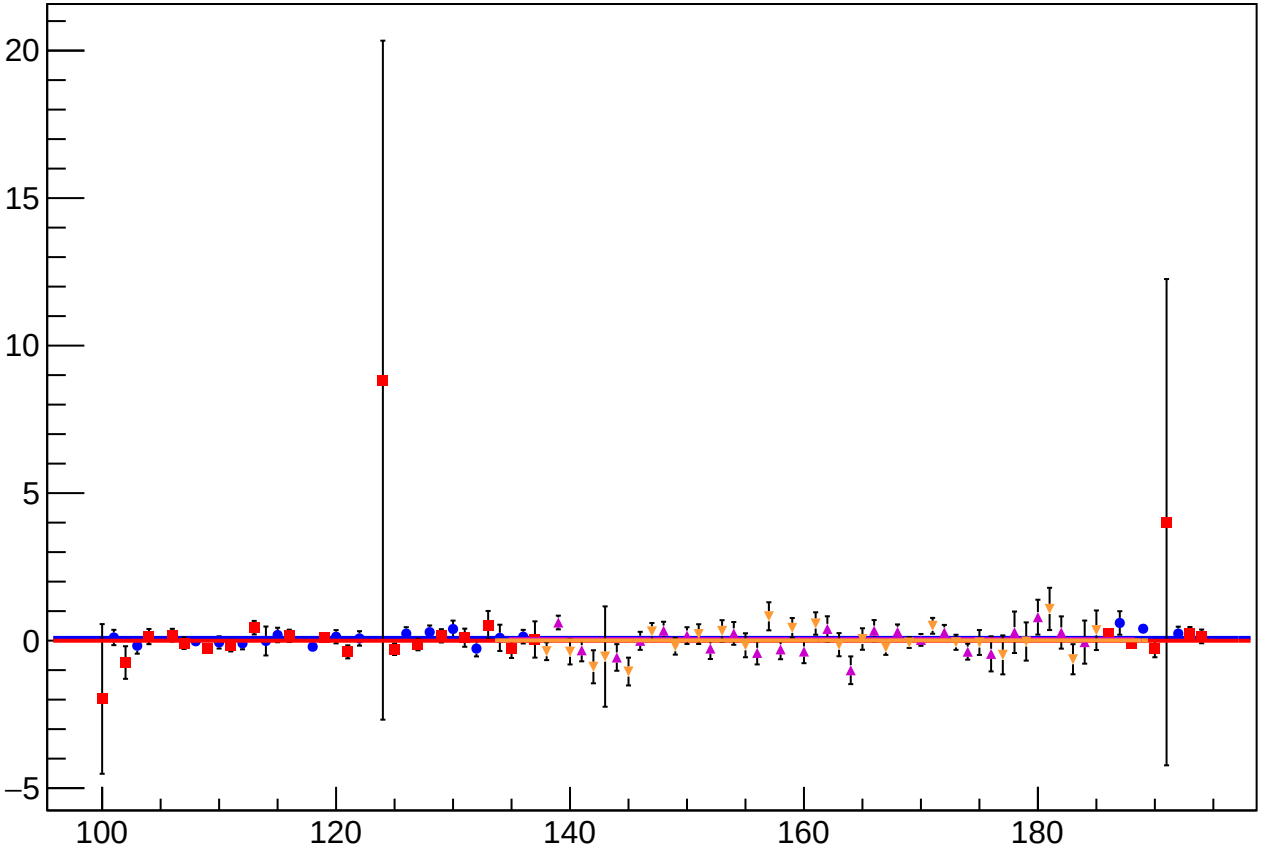
Right: 0.000+/-0.000 χ^2/NDF: 4865783.6/43

In: 0.000+/-0.000 χ^2/NDF:3819084.5/41

Out: 0.000+/-0.000 χ^2/NDF:7069042.0/49

All: 0.000+/-0.000 χ^2/NDF: 11088449.3/91

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

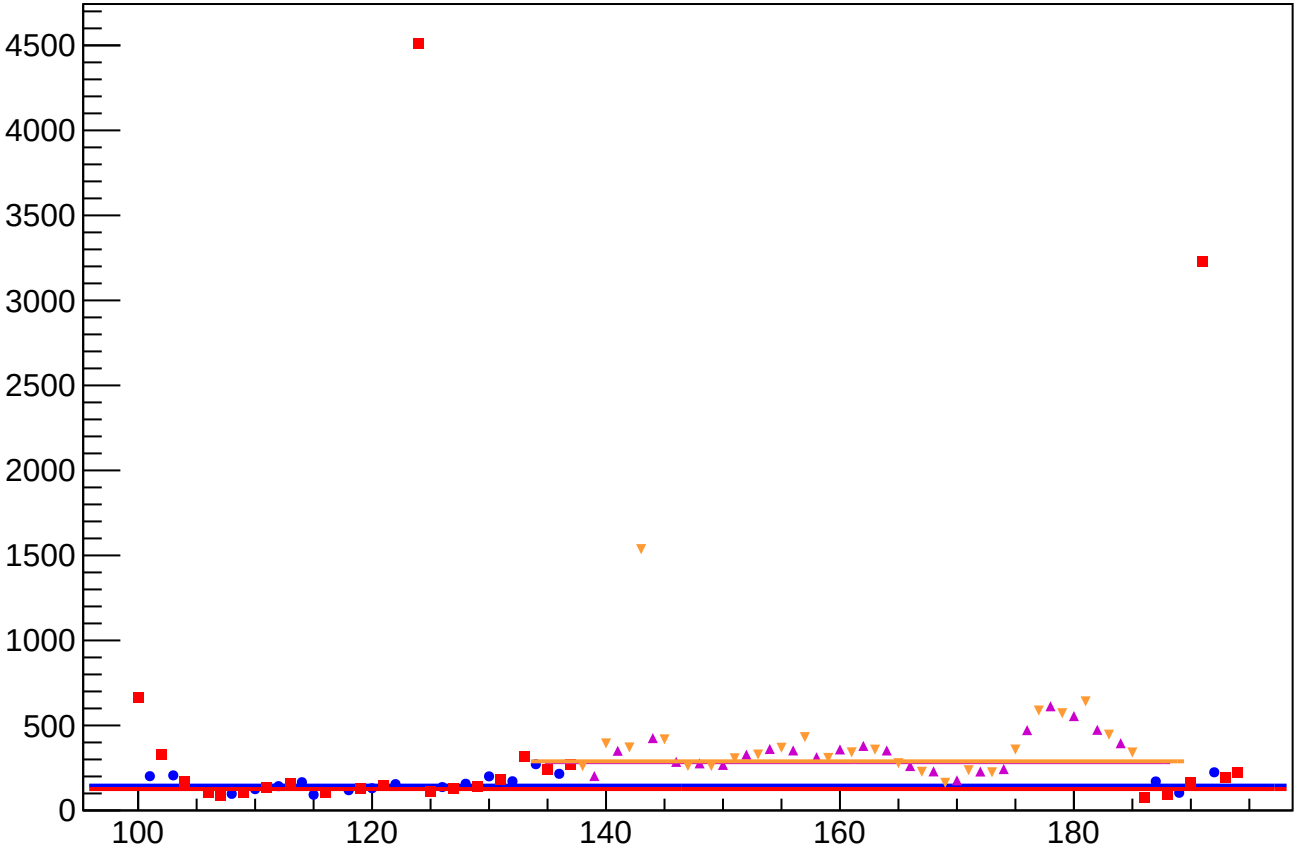
Right: 0.035+/-0.033 χ^2/NDF: 46.4/43

In: 0.079+/-0.042 χ^2/NDF:44.9/41

Out: -0.000+/-0.037 χ^2/NDF:56.4/49

All: 0.034+/-0.028 χ^2/NDF: 103.2/91

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.020+/-0.037 χ^2/NDF: 1386367.2/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 125.881+/-0.030 χ^2/NDF: 3041122.6/24

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

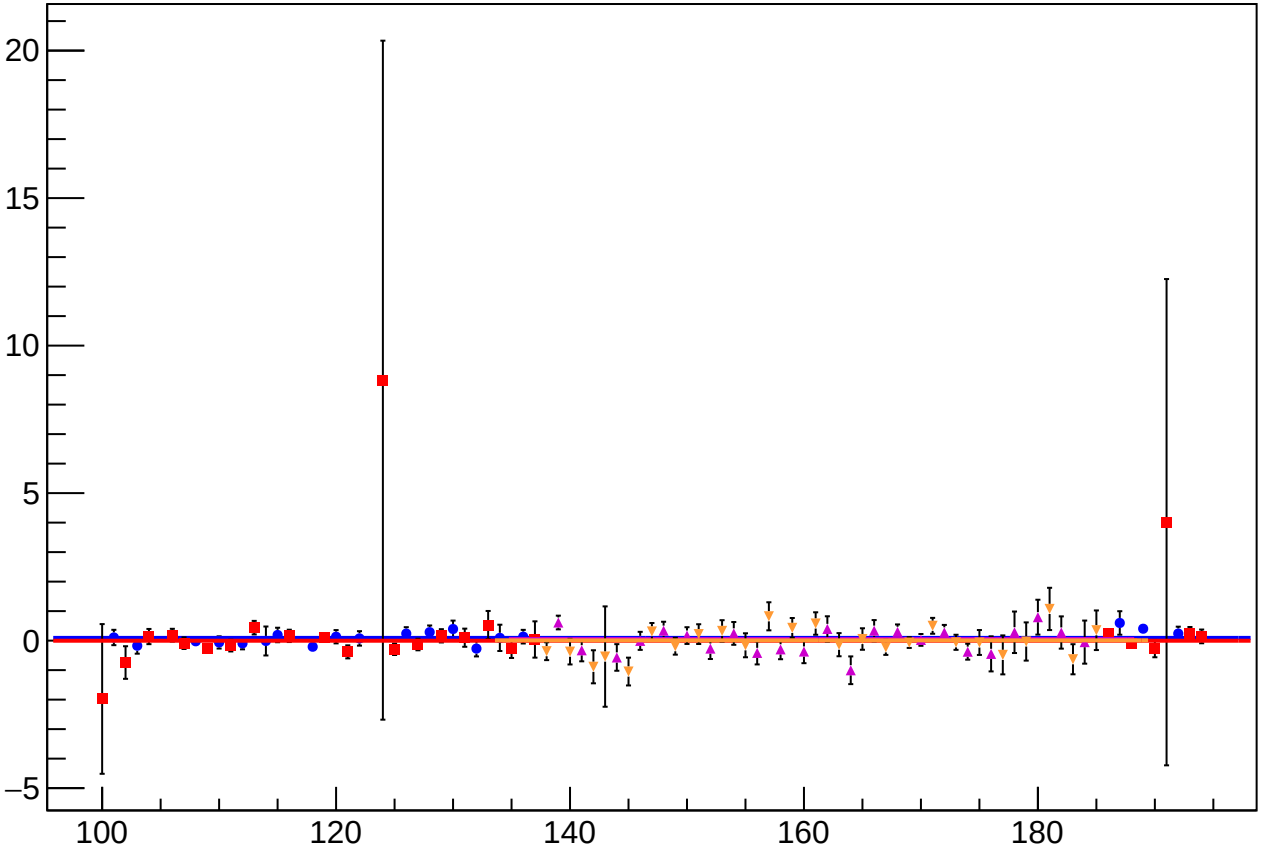
Right: 133.978+/-0.023 χ^2/NDF: 4606161.1/43

In: 194.906+/-0.030 χ^2/NDF:9439381.6/41

Out: 169.206+/-0.026 χ^2/NDF:15429199.6/49

All: 180.338+/-0.019 χ^2/NDF: 25295484.2/91

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

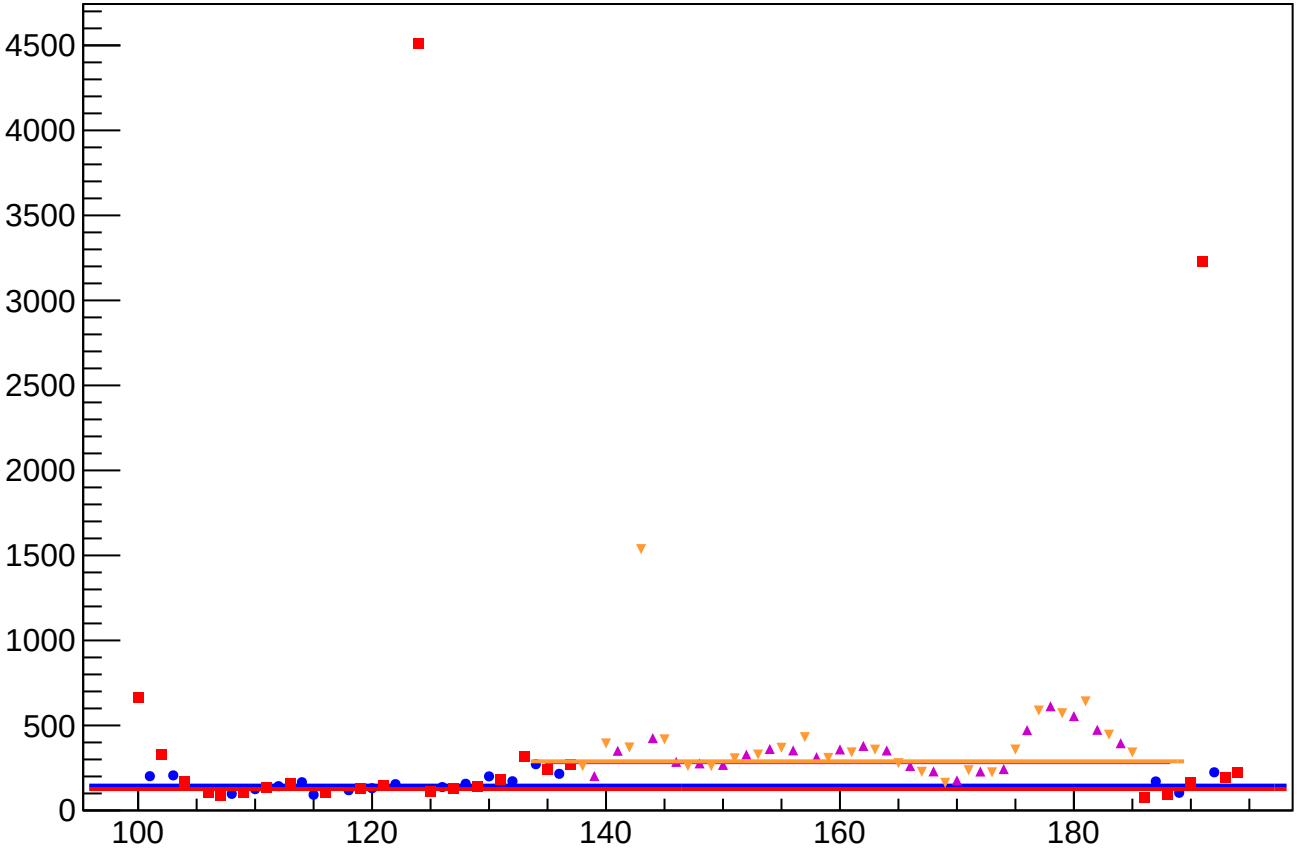
Right: 0.035+/-0.033 χ^2/NDF: 46.4/43

In: 0.079+/-0.042 χ^2/NDF:44.9/41

Out: -0.000+/-0.037 χ^2/NDF:56.4/49

All: 0.034+/-0.028 χ^2/NDF: 103.2/91

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.020+/-0.037 χ^2/NDF: 1386367.2/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 125.881+/-0.030 χ^2/NDF: 3041122.6/24

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

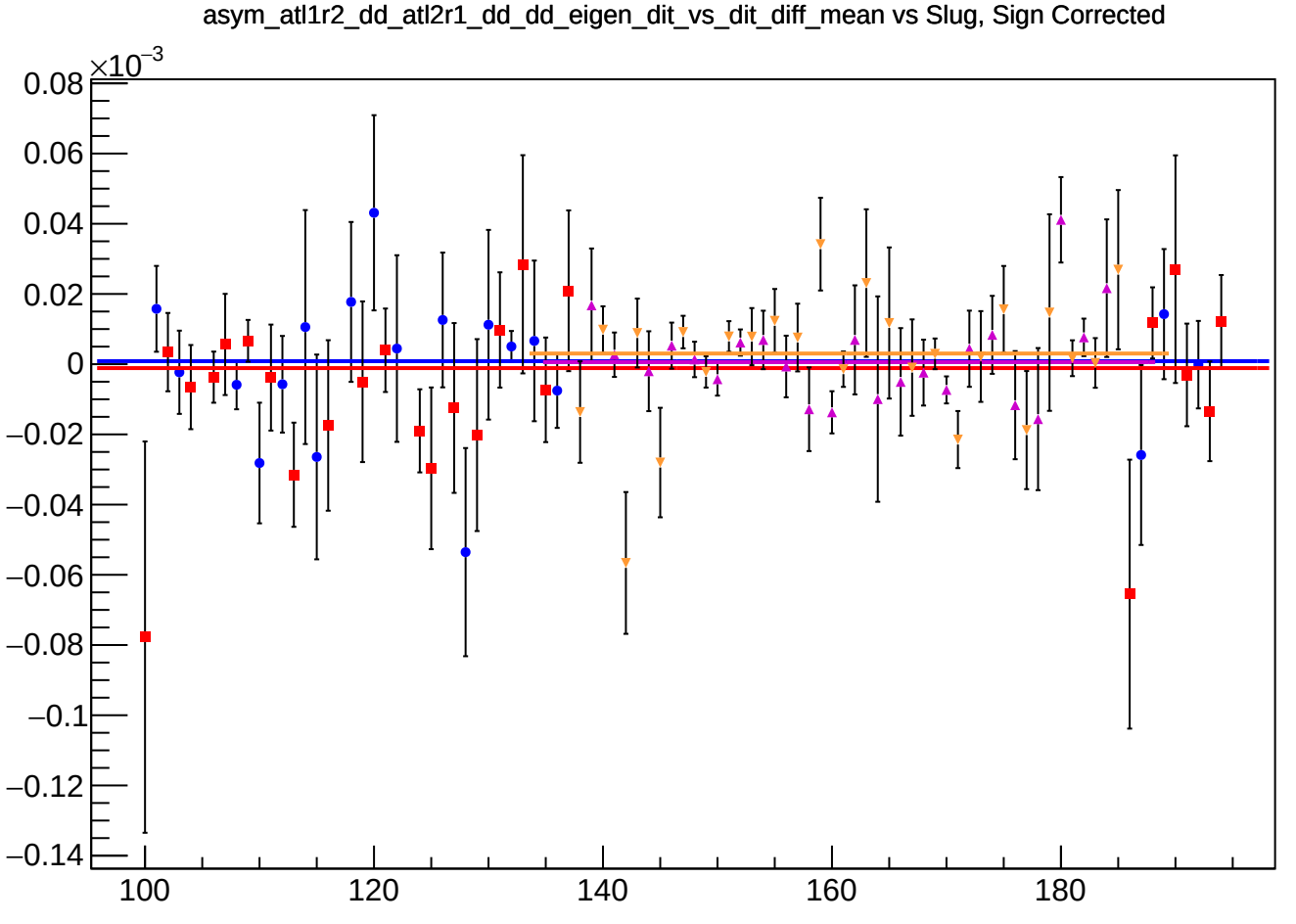
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

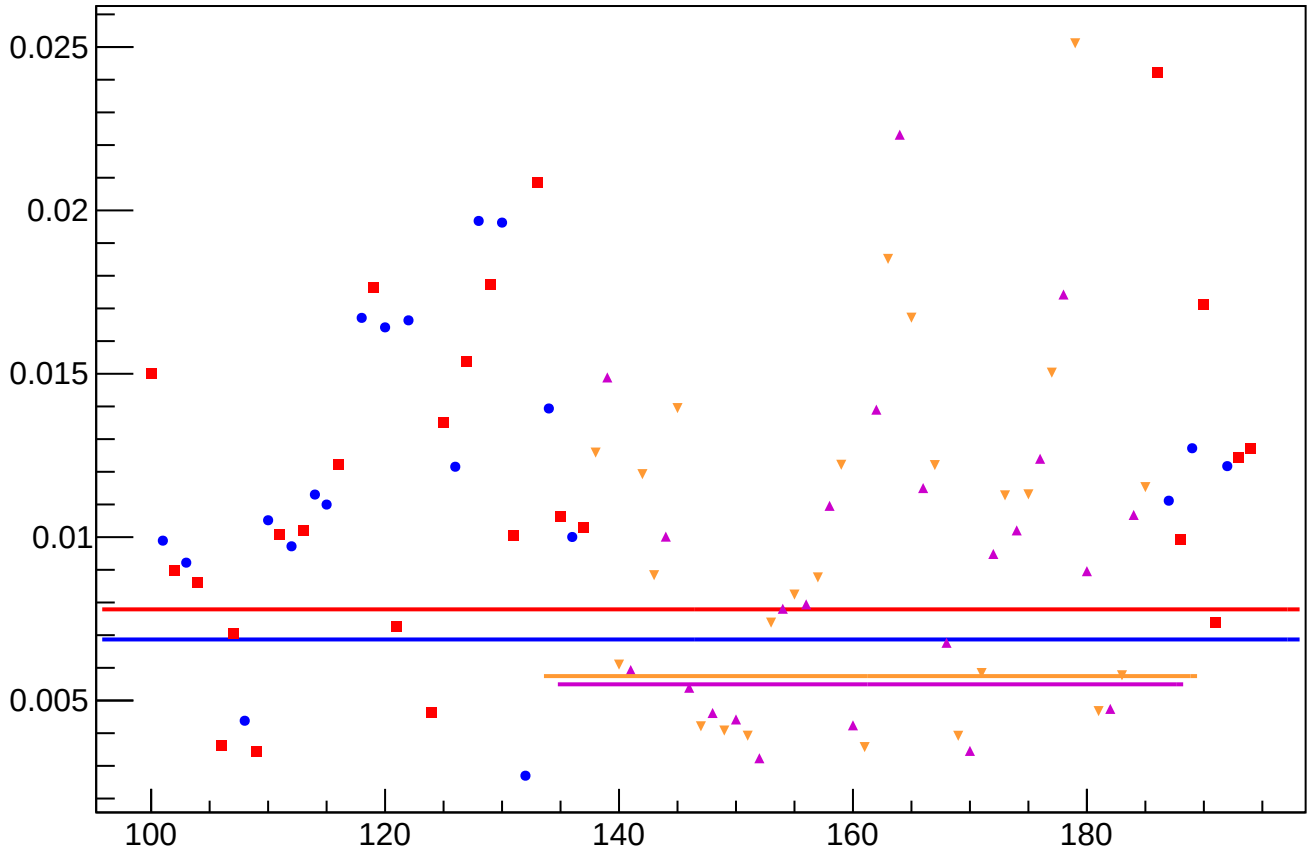
Right: 133.978+/-0.023 χ^2/NDF: 4606161.1/43

In: 194.906+/-0.030 χ^2/NDF:9439381.6/41

Out: 169.206+/-0.026 χ^2/NDF:15429199.6/49

All: 180.338+/-0.019 χ^2/NDF: 25295484.2/91


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 16.5/18
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 23.1/24
Left In: 0.000+/-0.000 χ²/NDF:33.2/22
Left: 0.000+/-0.000 χ²/NDF: 76.7/47
Right: -0.000+/-0.000 χ²/NDF: 39.9/43
In: 0.000+/-0.000 χ²/NDF:49.7/41
Out: 0.000+/-0.000 χ²/NDF:67.1/49
All: 0.000+/-0.000 χ²/NDF: 117.3/91



Right In: 0.007+/-0.000 χ^2/NDF: 5313715.3/18

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 4671093.3/24

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

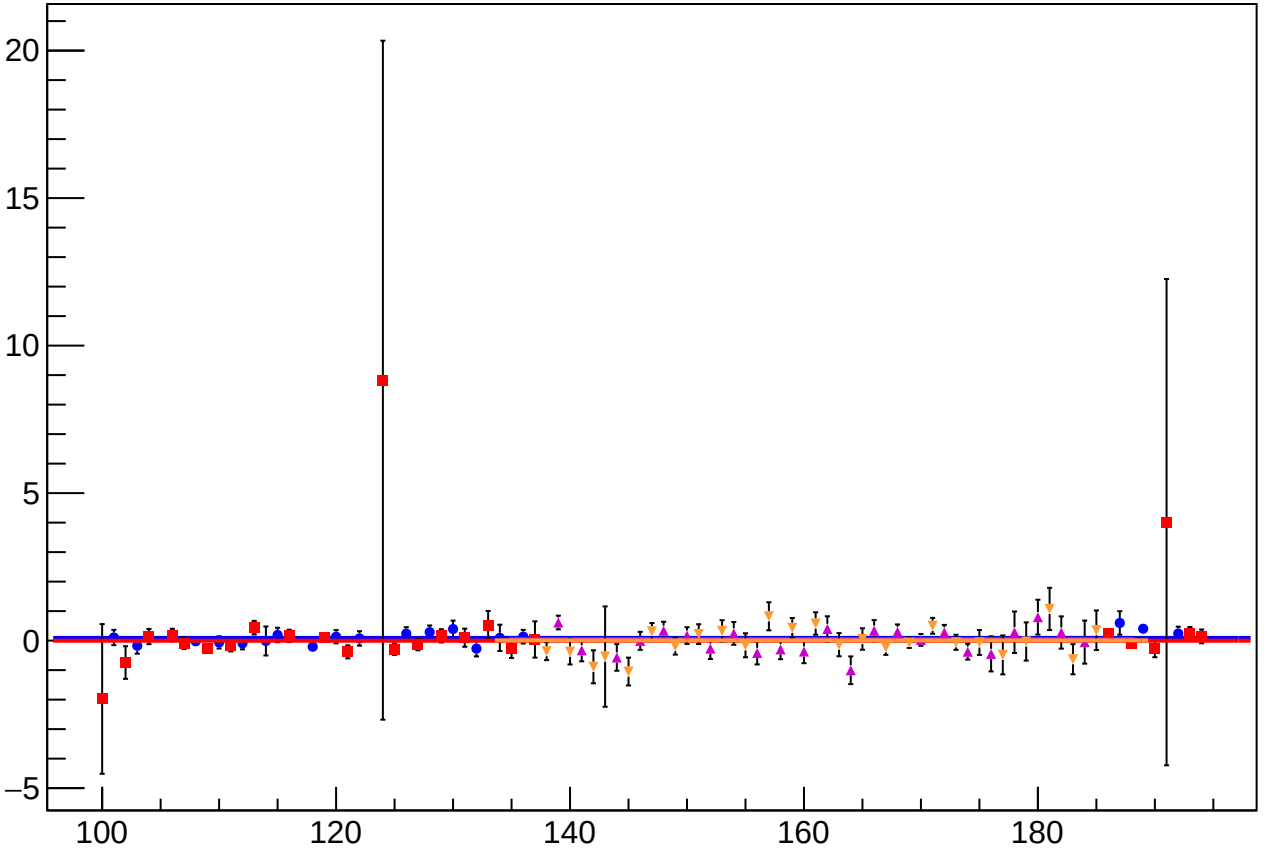
Right: 0.007+/-0.000 χ^2/NDF: 10096846.3/43

In: 0.006+/-0.000 χ^2/NDF:12622879.3/41

Out: 0.006+/-0.000 χ^2/NDF:13665984.3/49

All: 0.006+/-0.000 χ^2/NDF: 26394241.9/91

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

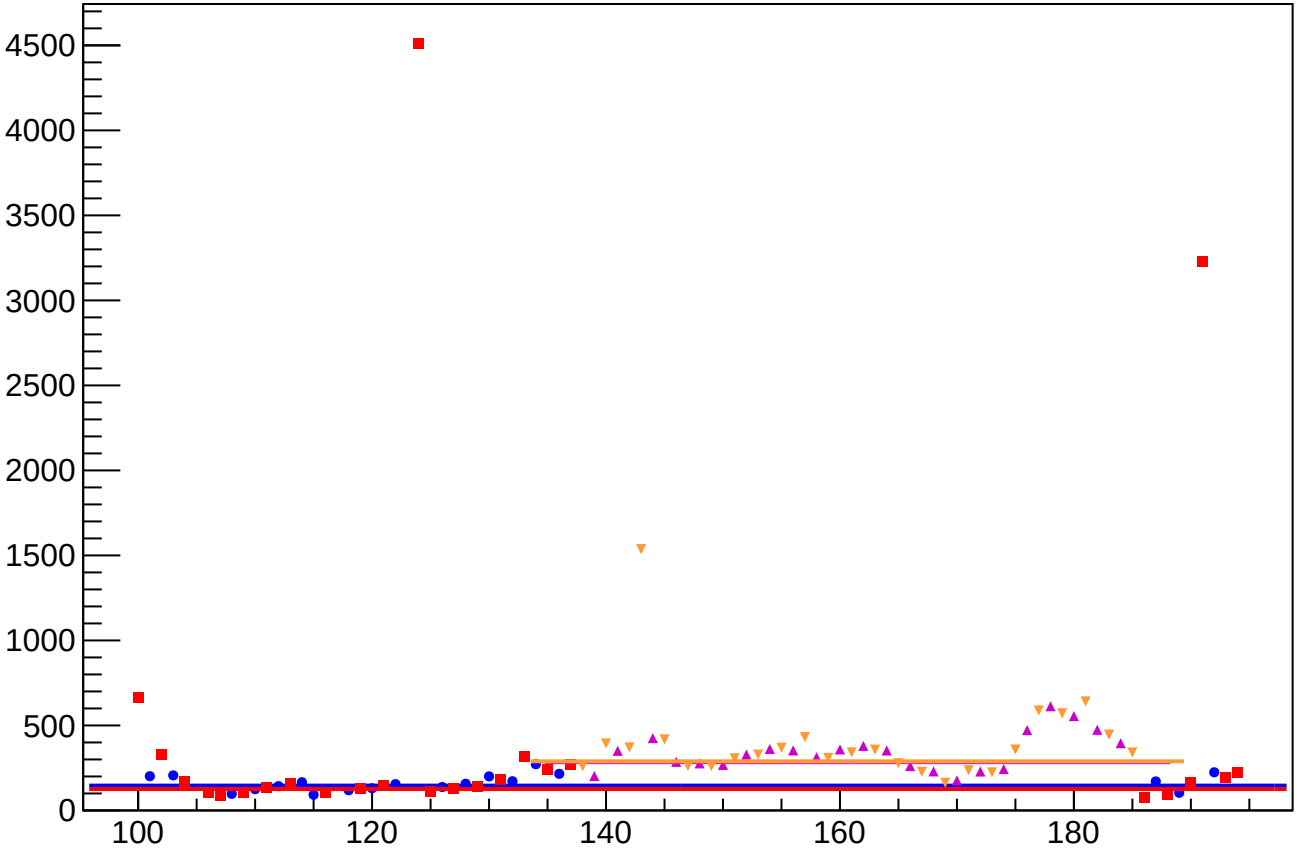
Right: 0.035+/-0.033 χ^2/NDF: 46.4/43

In: 0.079+/-0.042 χ^2/NDF:44.9/41

Out: -0.000+/-0.037 χ^2/NDF:56.4/49

All: 0.034+/-0.028 χ^2/NDF: 103.2/91

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.020+/-0.037 χ^2/NDF: 1386330.7/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 125.883+/-0.030 χ^2/NDF: 3040972.0/24

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

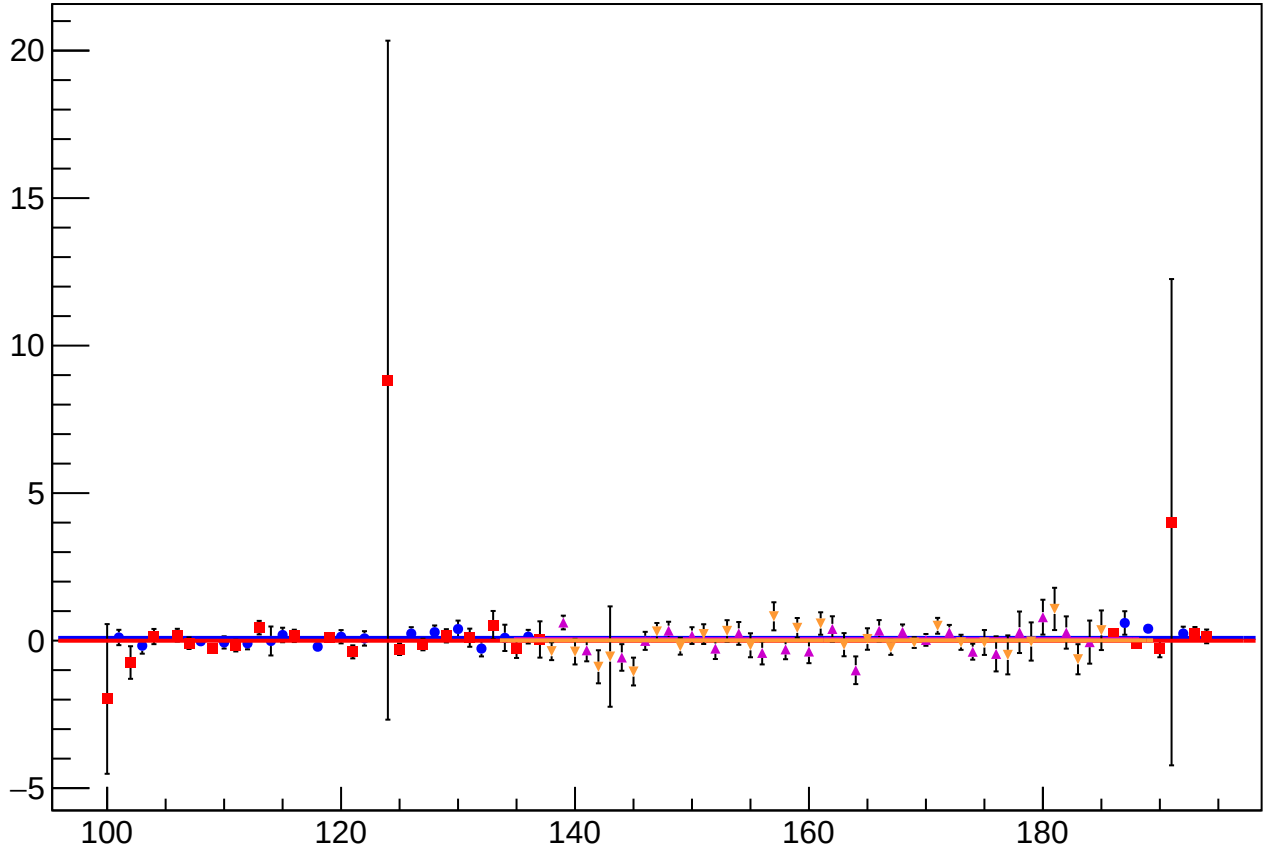
Right: 133.979+/-0.023 χ^2/NDF: 4605932.4/43

In: 194.906+/-0.030 χ^2/NDF:9439576.0/41

Out: 169.208+/-0.026 χ^2/NDF:15429017.4/49

All: 180.339+/-0.019 χ^2/NDF: 25295418.4/91

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

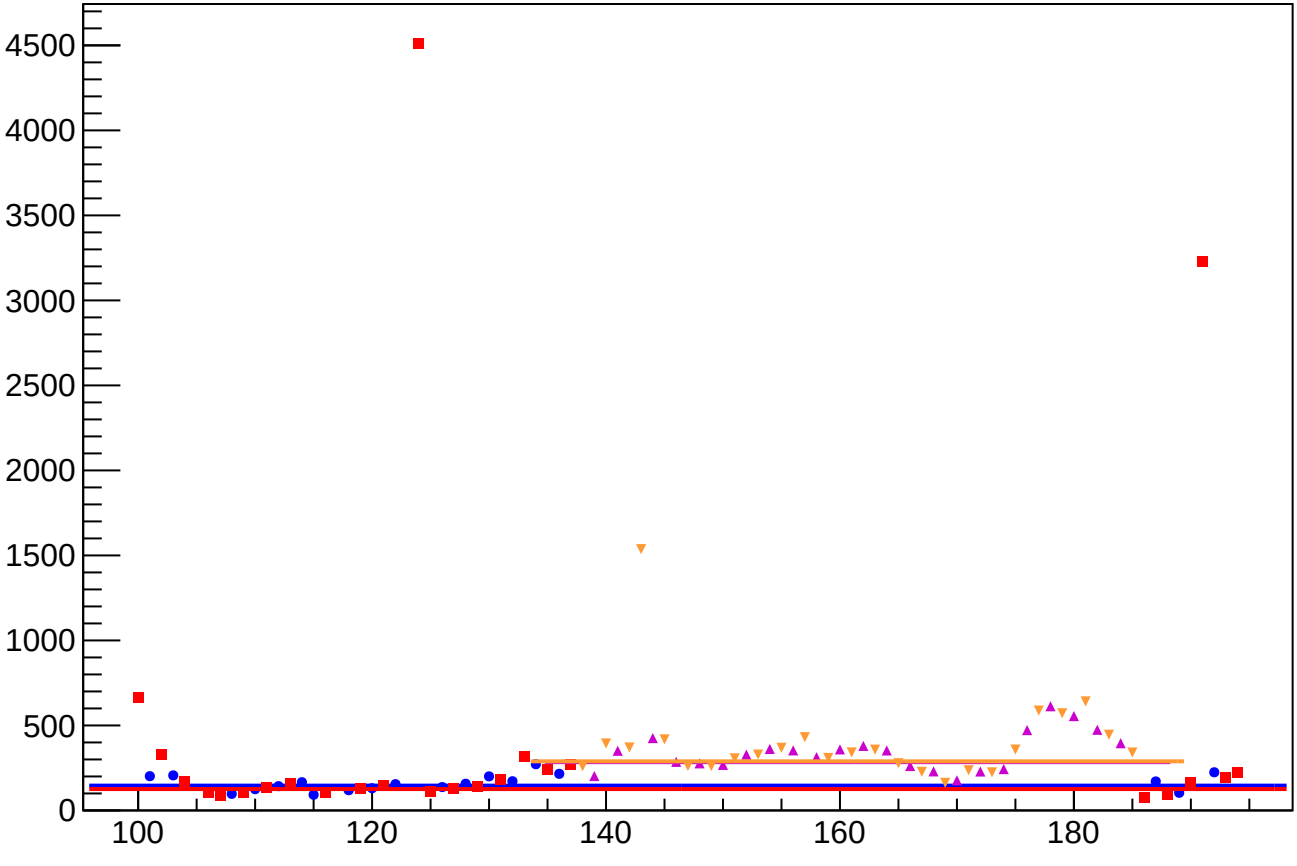
Right: 0.035+/-0.033 χ^2/NDF: 46.4/43

In: 0.079+/-0.042 χ^2/NDF:44.9/41

Out: -0.000+/-0.037 χ^2/NDF:56.4/49

All: 0.034+/-0.028 χ^2/NDF: 103.2/91

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.020+/-0.037 χ^2/NDF: 1386330.7/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 125.883+/-0.030 χ^2/NDF: 3040972.0/24

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

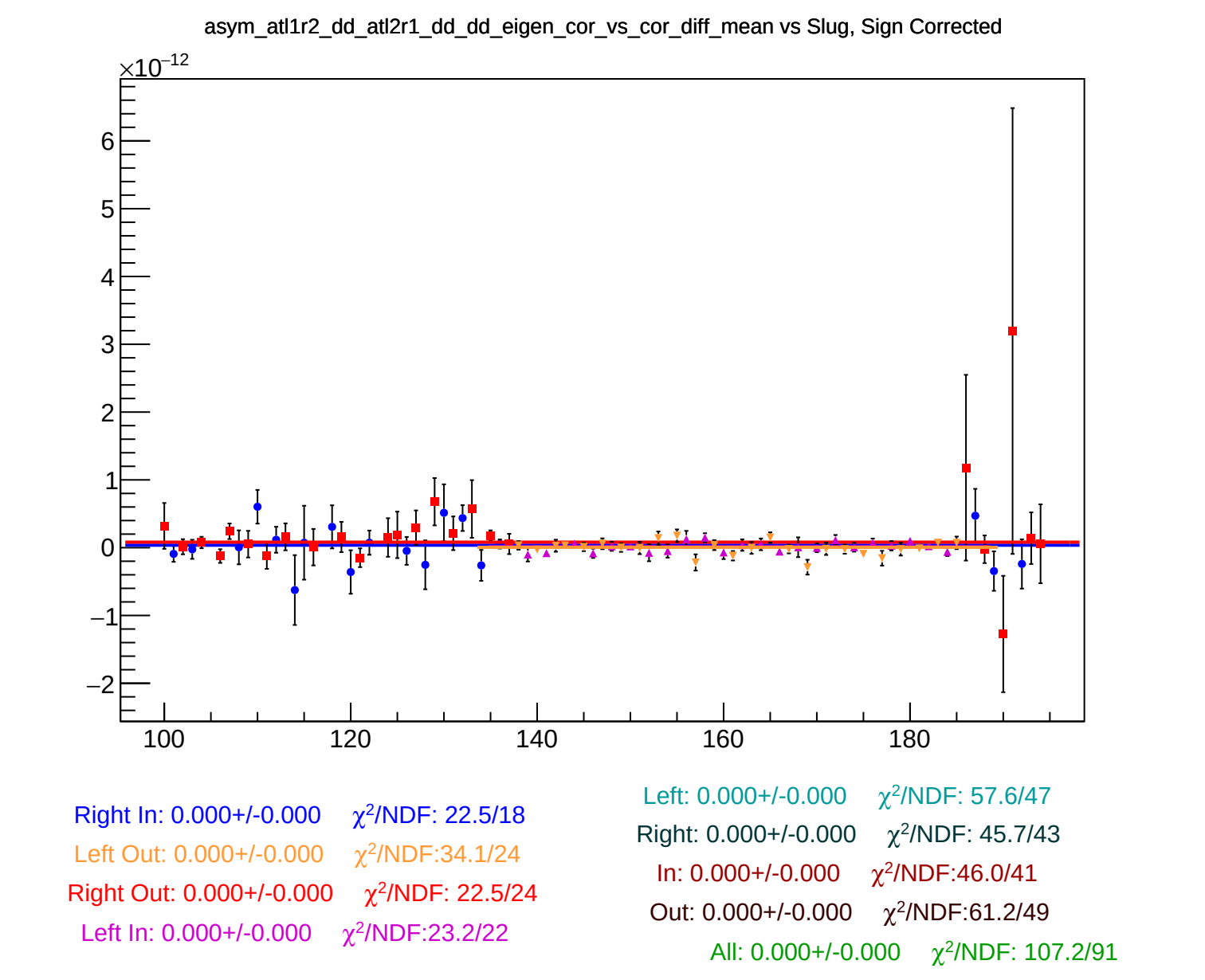
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 133.979+/-0.023 χ^2/NDF: 4605932.4/43

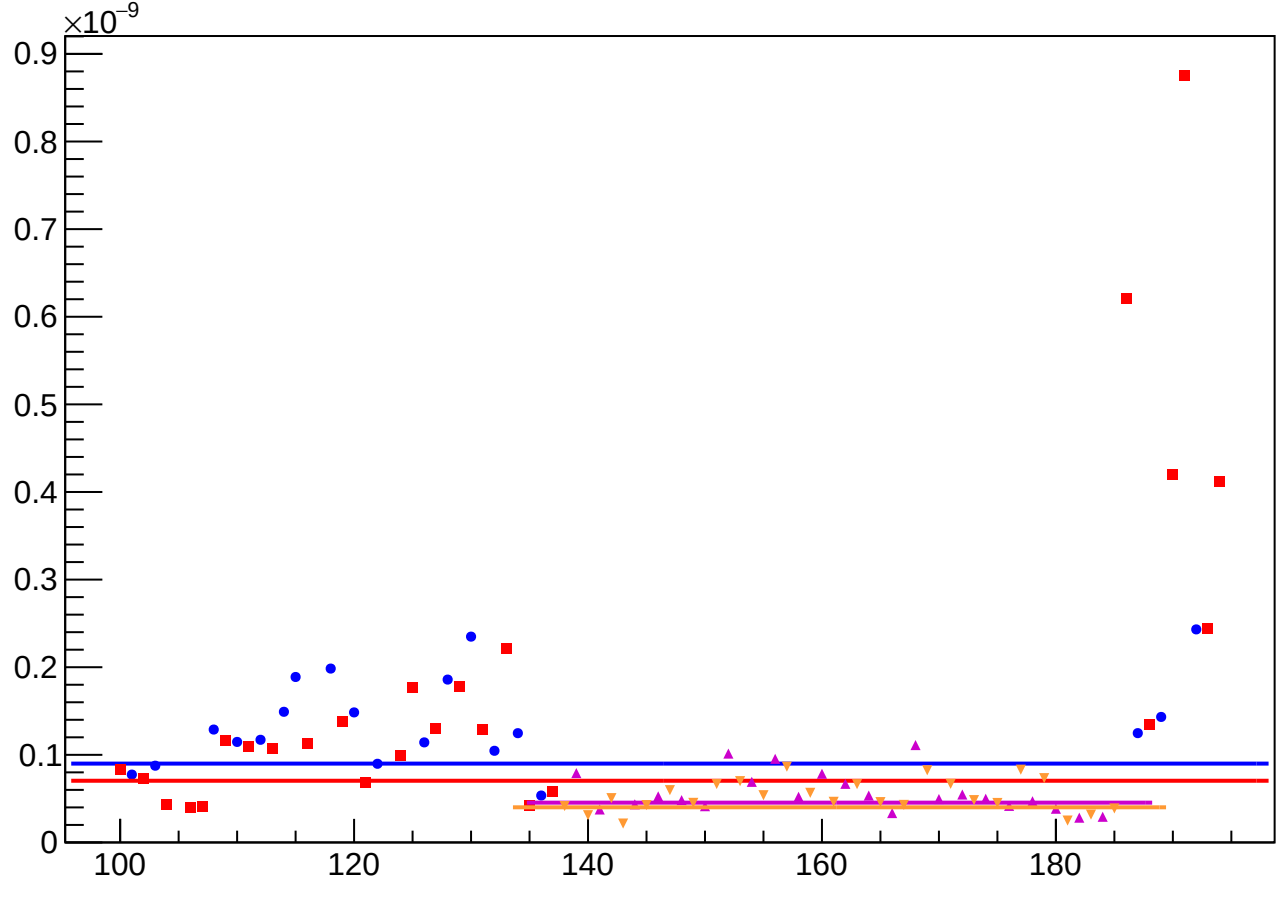
In: 194.906+/-0.030 χ^2/NDF:9439576.0/41

Out: 169.208+/-0.026 χ^2/NDF:15429017.4/49

All: 180.339+/-0.019 χ^2/NDF: 25295418.4/91


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 22.5/18
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.5/24
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: 45.7/43
In: 0.000+/-0.000 χ²/NDF:46.0/41
Out: 0.000+/-0.000 χ²/NDF:61.2/49
All: 0.000+/-0.000 χ²/NDF: 107.2/91

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: 2017506.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4282007.7/24

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

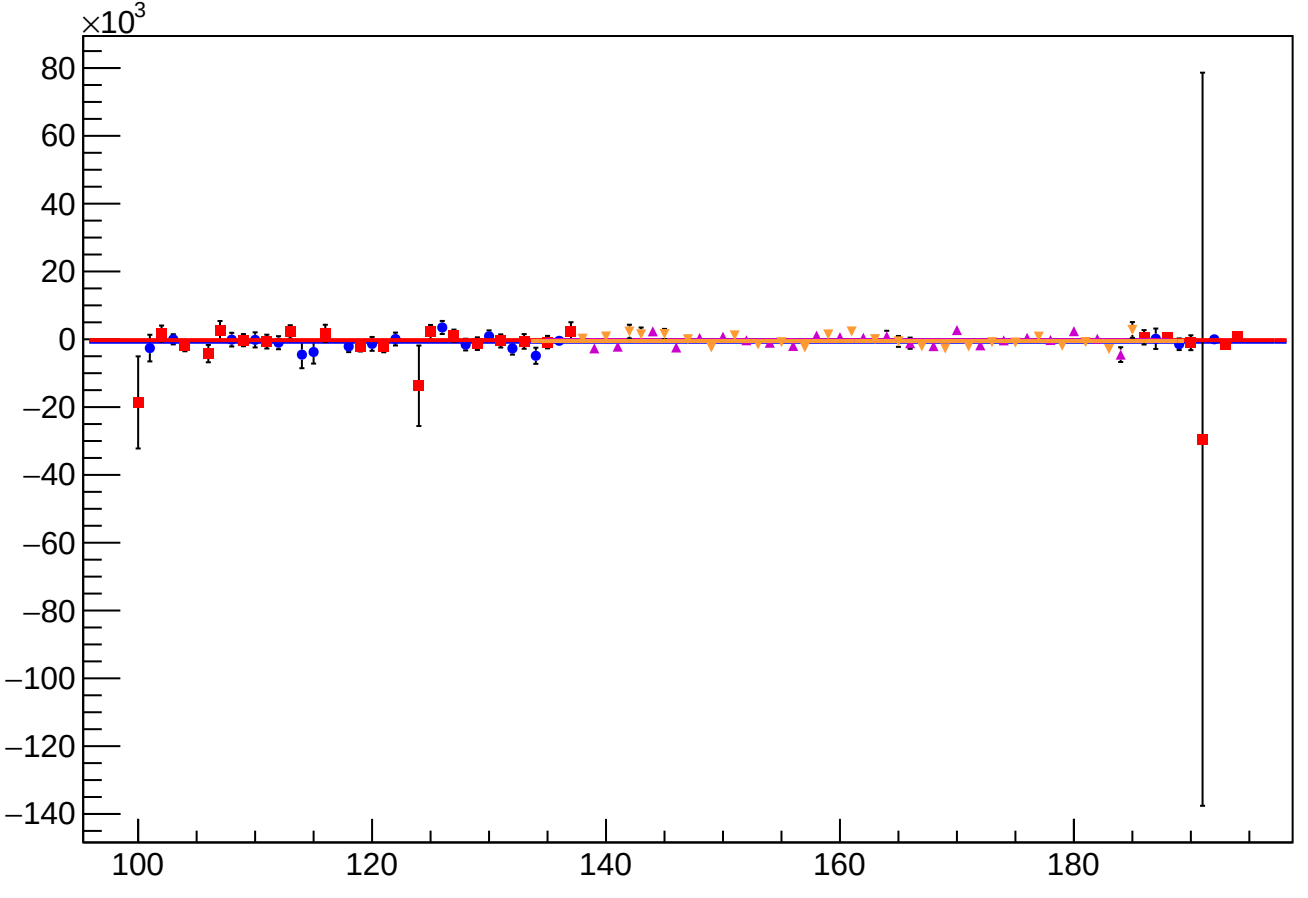
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 6566622.1/43

In: 0.000+/-0.000 χ^2/NDF:6856545.3/41

Out: 0.000+/-0.000 χ^2/NDF:9333664.0/49

All: 0.000+/-0.000 χ^2/NDF: 16432005.0/91



Right In: -732.003+/-436.629 χ^2/NDF: 14.0/18

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -247.383+/-400.655 χ^2/NDF: 17.8/24

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

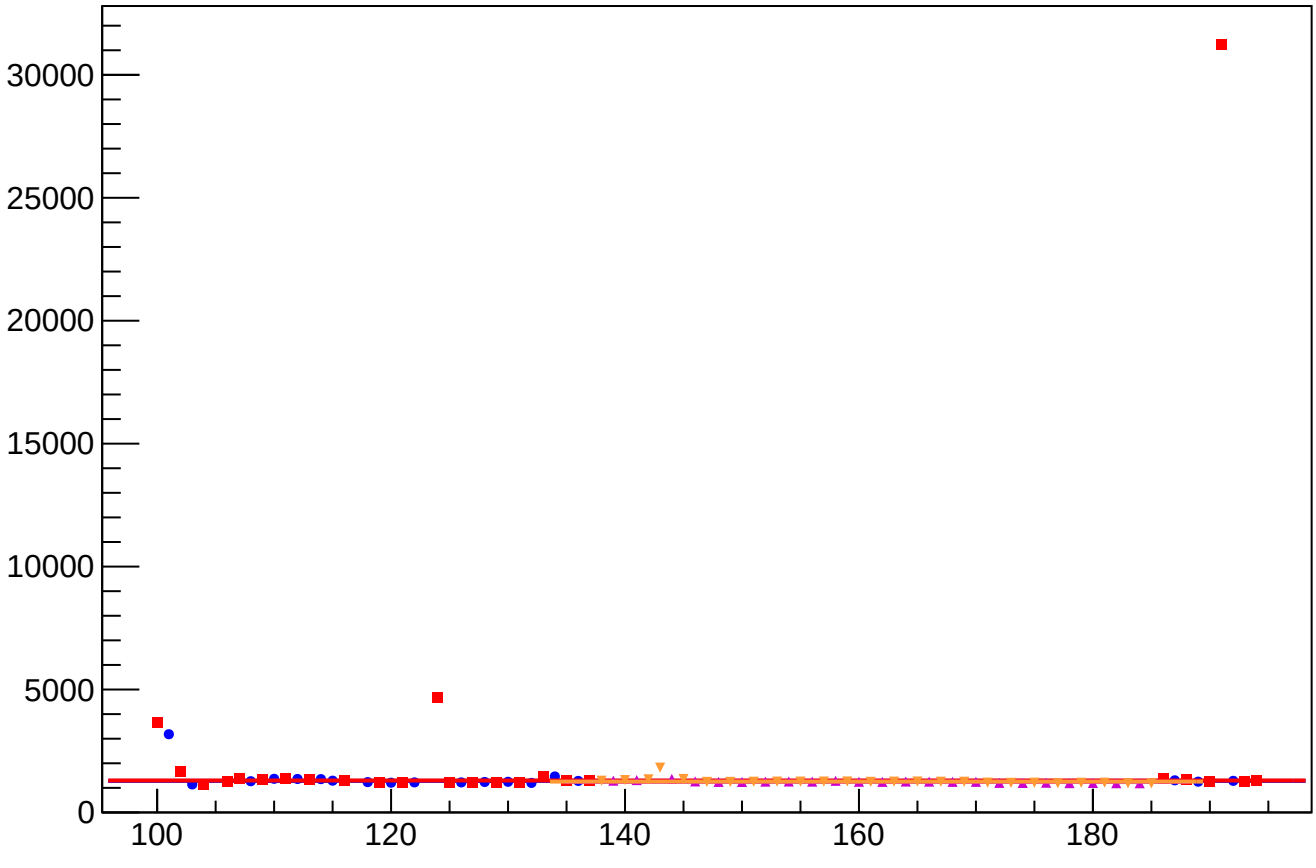
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -468.909+/-295.206 χ^2/NDF: 32.5/43

In: -393.302+/-242.244 χ^2/NDF:46.9/41

Out: -424.346+/-232.748 χ^2/NDF:49.0/49

All: -409.445+/-167.834 χ^2/NDF: 95.9/91



Right In: 1284.288+/-0.309 χ^2/NDF: 518951.4/18

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1299.185+/-0.283 χ^2/NDF: 489259.8/24

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

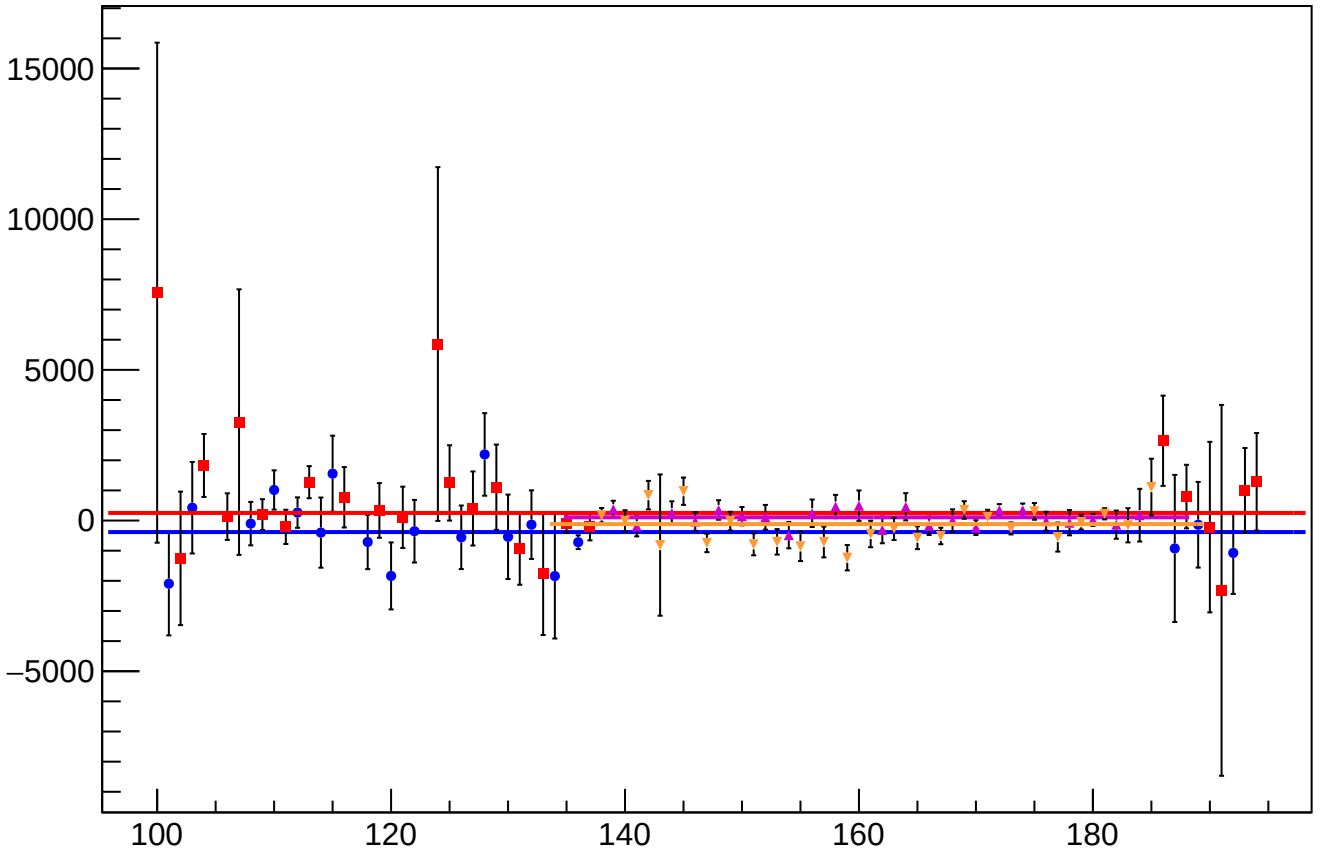
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1292.375+/-0.209 χ^2/NDF: 1009475.1/43

In: 1258.031+/-0.171 χ^2/NDF:569257.3/41

Out: 1270.251+/-0.165 χ^2/NDF:708126.5/49

All: 1264.385+/-0.119 χ^2/NDF: 1280030.5/91



Right In: -382.062+/-165.413 χ^2/NDF: 18.5/18

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 252.395+/-164.040 χ^2/NDF: 18.5/24

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

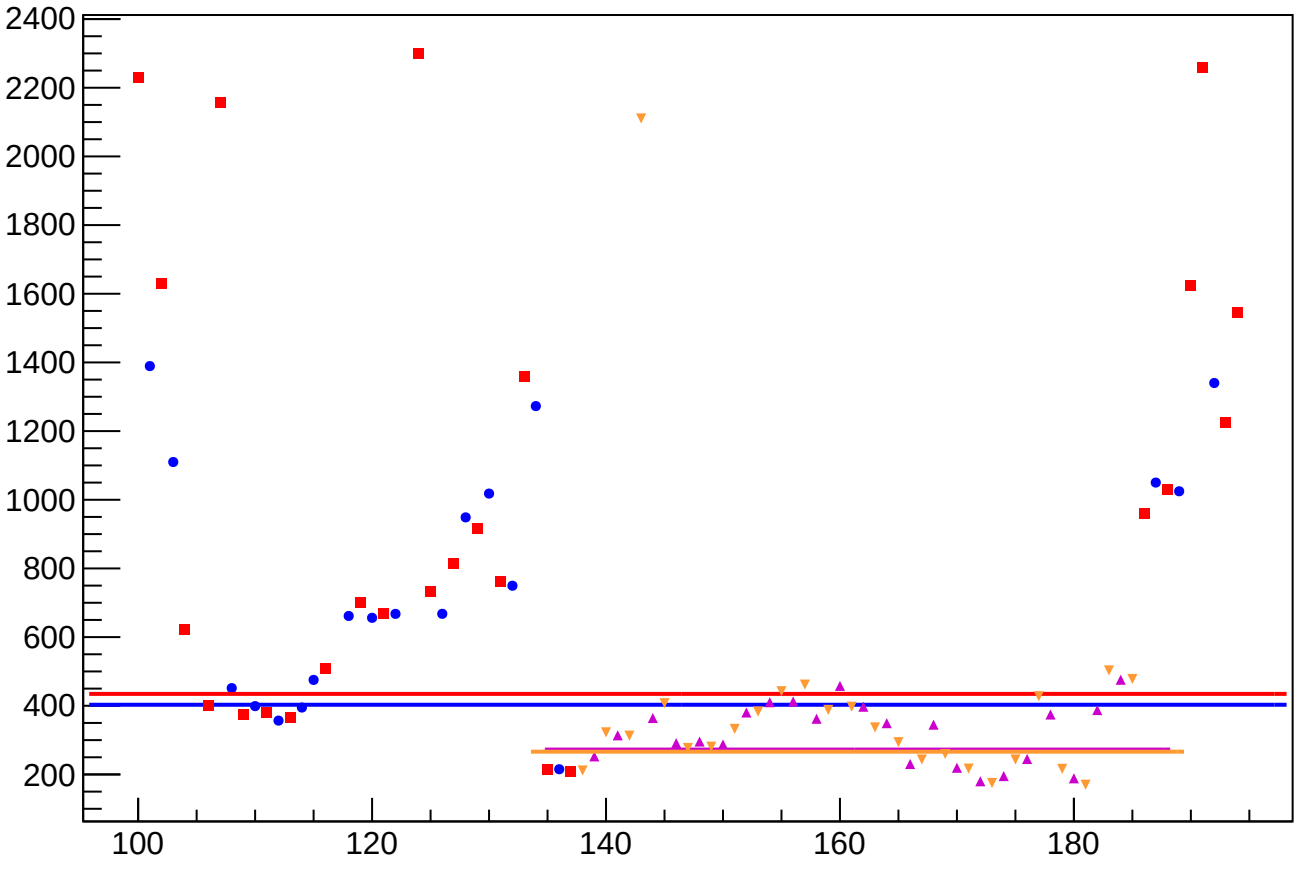
Right: -62.189+/-116.476 χ^2/NDF: 44.4/43

In: 38.364+/-62.100 χ^2/NDF:39.7/41

Out: -66.818+/-60.476 χ^2/NDF:71.3/49

All: -15.620+/-43.326 χ^2/NDF: 112.5/91

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 402.985+/-0.117 χ^2/NDF: 5709668.1/18

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 434.638+/-0.116 χ^2/NDF: 7231996.5/24

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

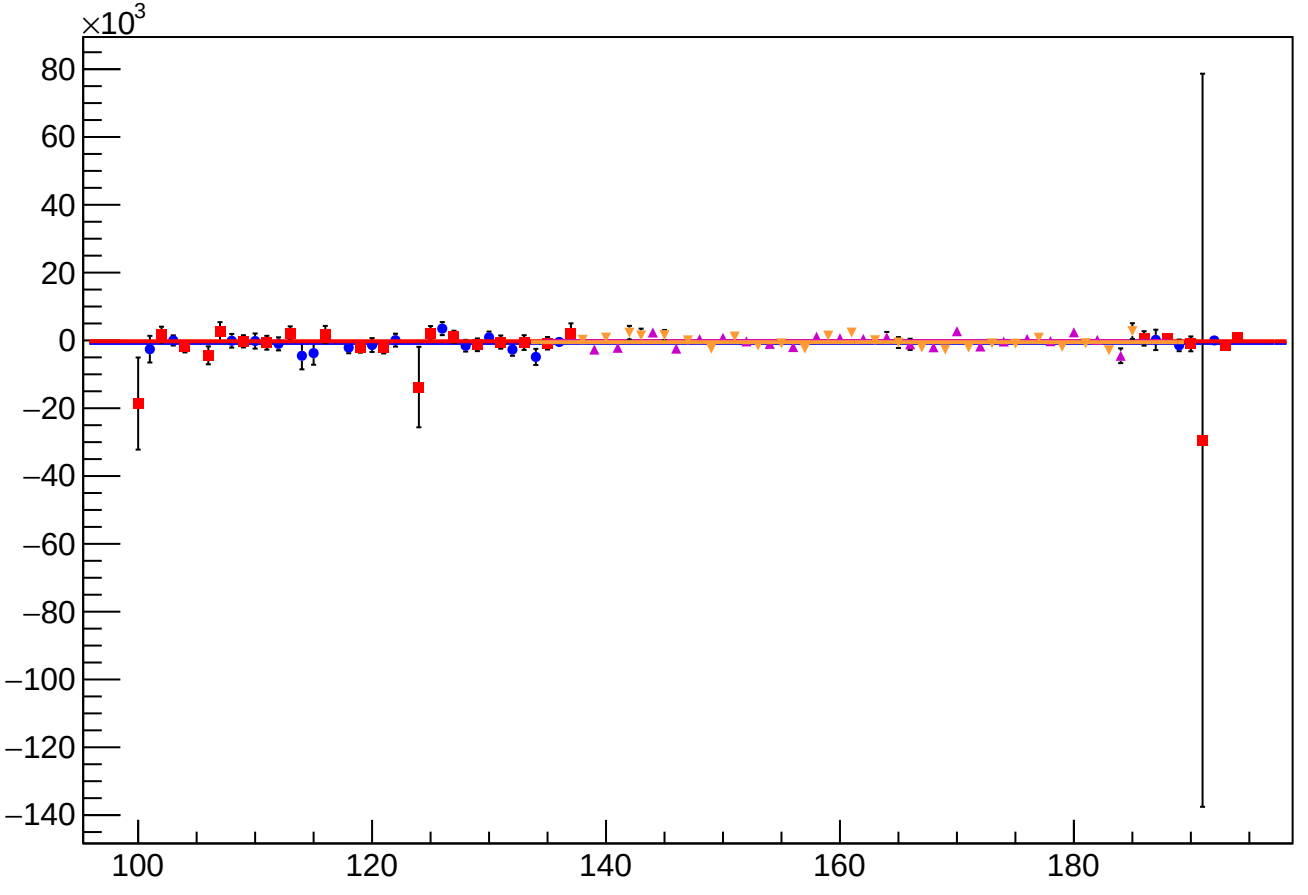
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 418.943+/-0.082 χ^2/NDF: 12978586.7/43

In: 290.777+/-0.044 χ^2/NDF:9668792.5/41

Out: 289.198+/-0.043 χ^2/NDF:13681581.1/49

All: 289.967+/-0.031 χ^2/NDF: 23351037.9/91



Right In: -731.684+/-436.629 χ^2/NDF: 14.0/18

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -245.473+/-400.948 χ^2/NDF: 17.9/24

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

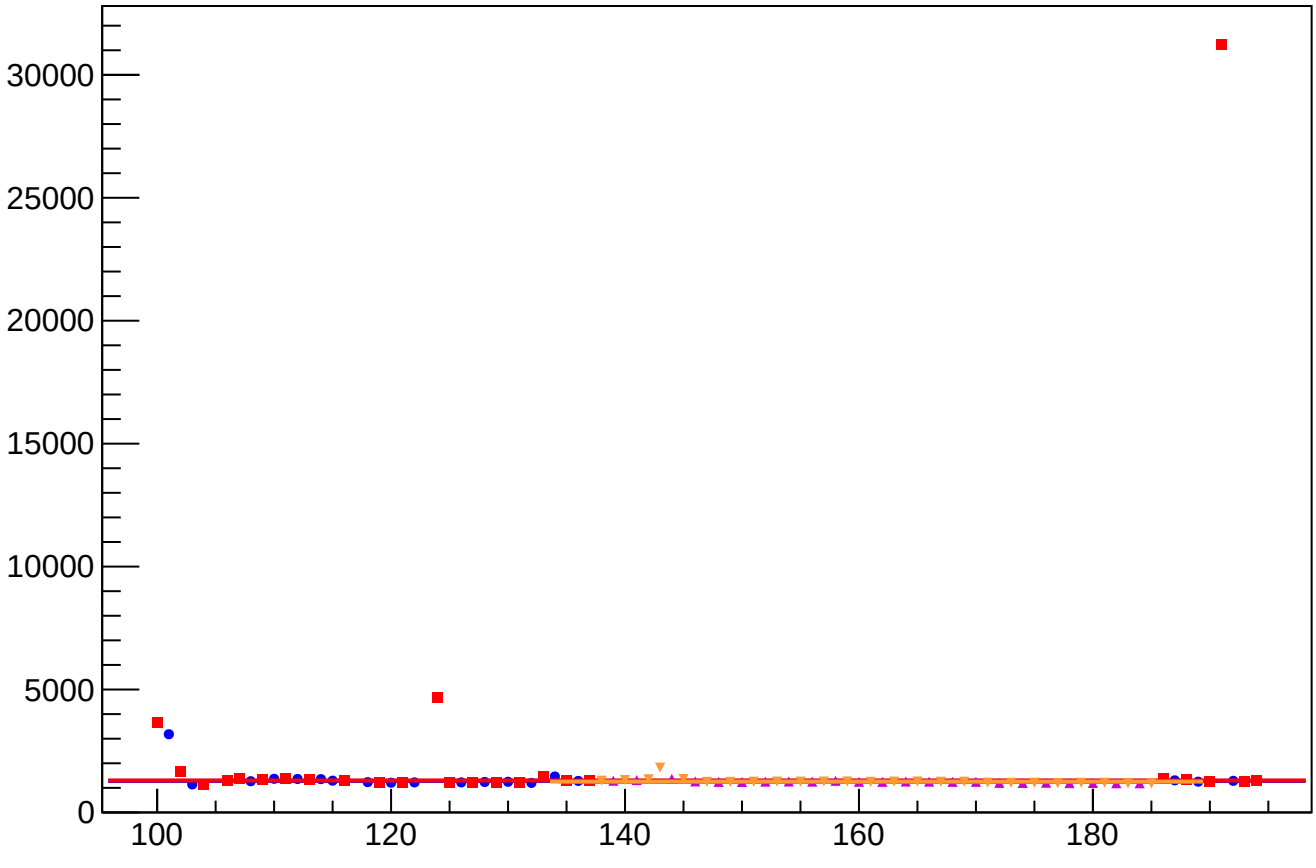
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -467.903+/-295.323 χ^2/NDF: 32.5/43

In: -393.188+/-242.244 χ^2/NDF:46.9/41

Out: -423.754+/-232.805 χ^2/NDF:49.1/49

All: -409.078+/-167.856 χ^2/NDF: 96.0/91



Right In: 1284.287+/-0.309 χ^2/NDF: 518952.8/18

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1300.176+/-0.284 χ^2/NDF: 488857.4/24

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

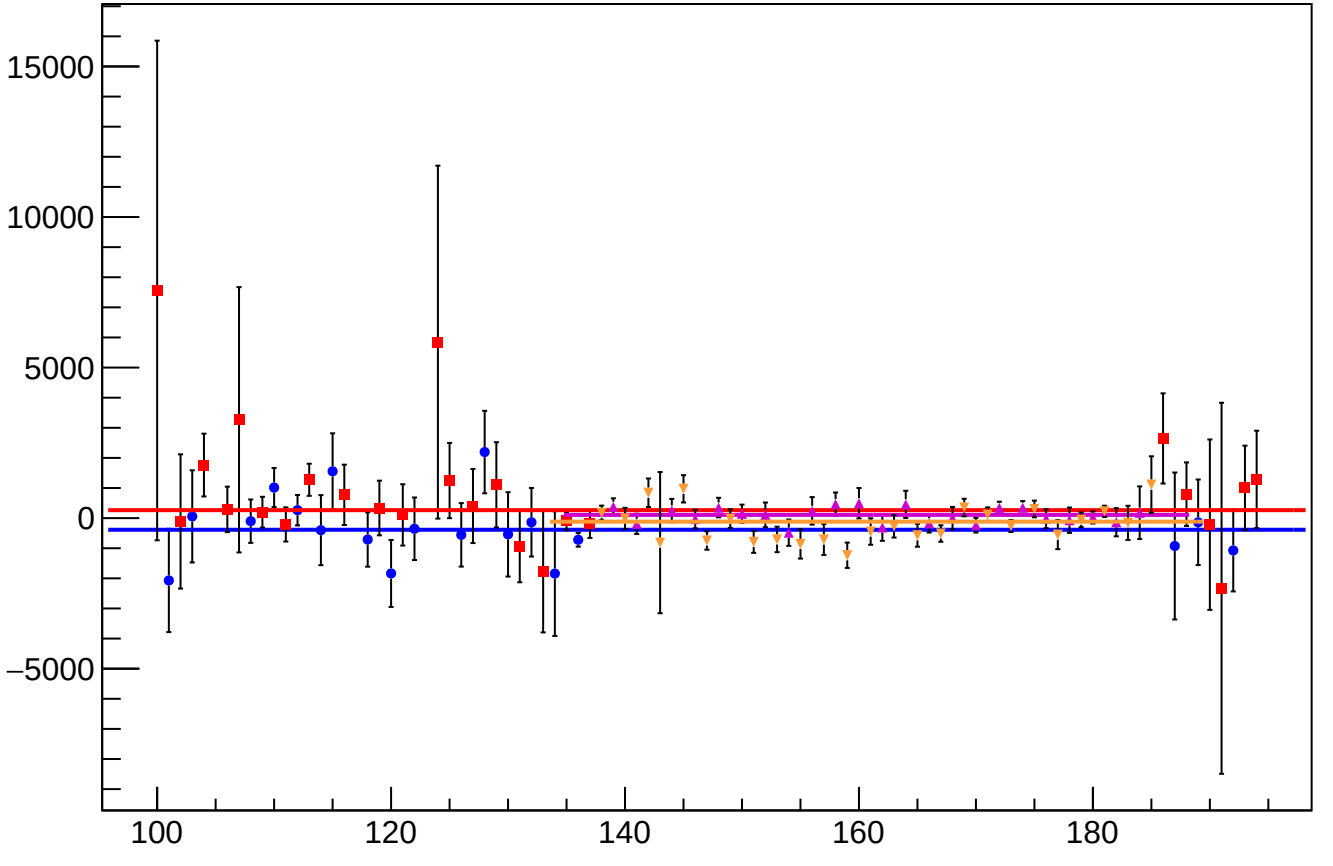
Right: 1292.907+/-0.209 χ^2/NDF: 1009246.9/43

In: 1258.031+/-0.171 χ^2/NDF:569258.6/41

Out: 1270.571+/-0.165 χ^2/NDF:708430.7/49

All: 1264.550+/-0.119 χ^2/NDF: 1280475.7/91

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -386.362+/-165.432 χ^2/NDF: 18.3/18

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 264.609+/-163.861 χ^2/NDF: 17.9/24

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

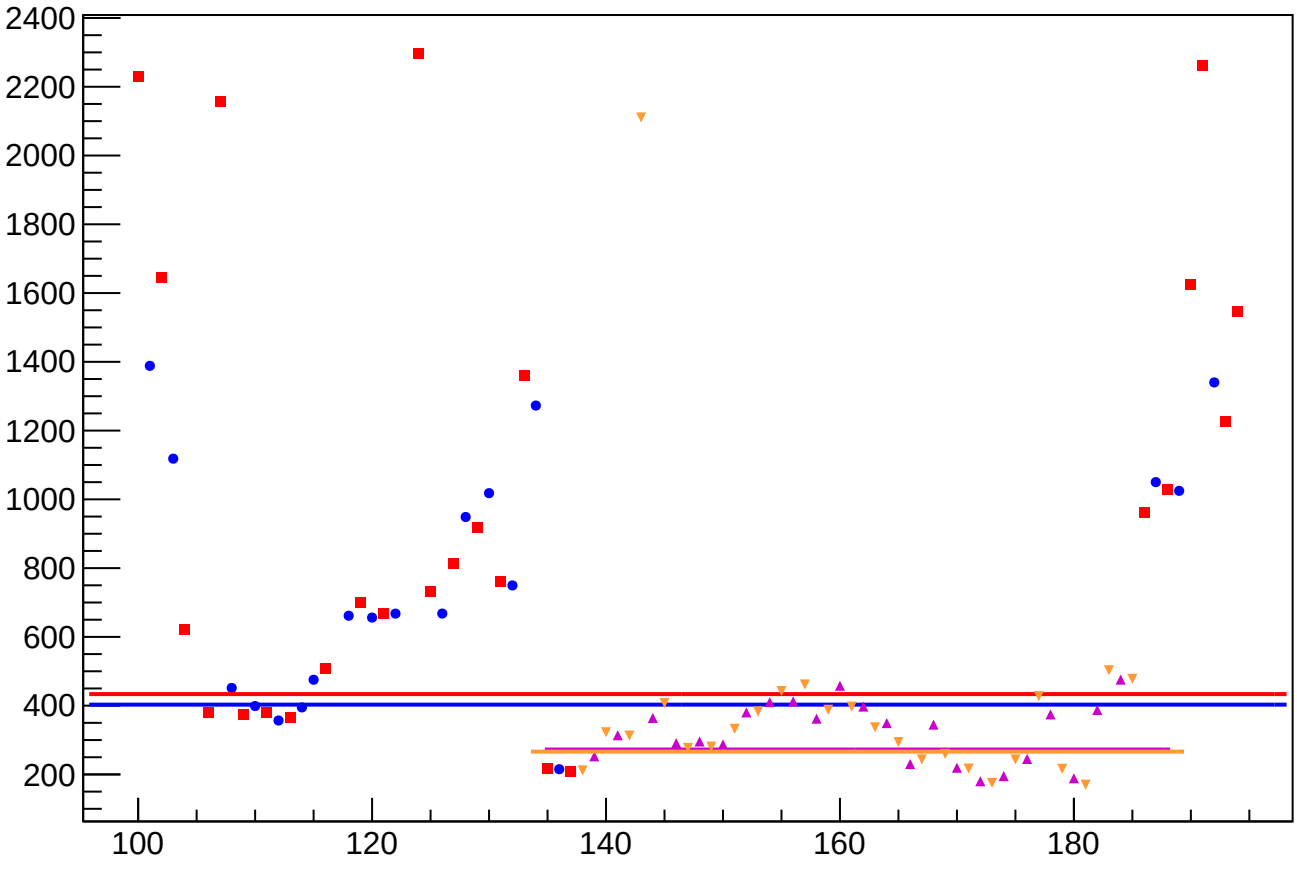
Right: -57.771+/-116.419 χ^2/NDF: 43.9/43

In: 37.869+/-62.102 χ^2/NDF:39.7/41

Out: -65.035+/-60.468 χ^2/NDF:71.0/49

All: -14.955+/-43.324 χ^2/NDF: 112.0/91

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.982+/-0.117 χ^2/NDF: 5712832.6/18

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 433.646+/-0.116 χ^2/NDF: 7244776.3/24

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

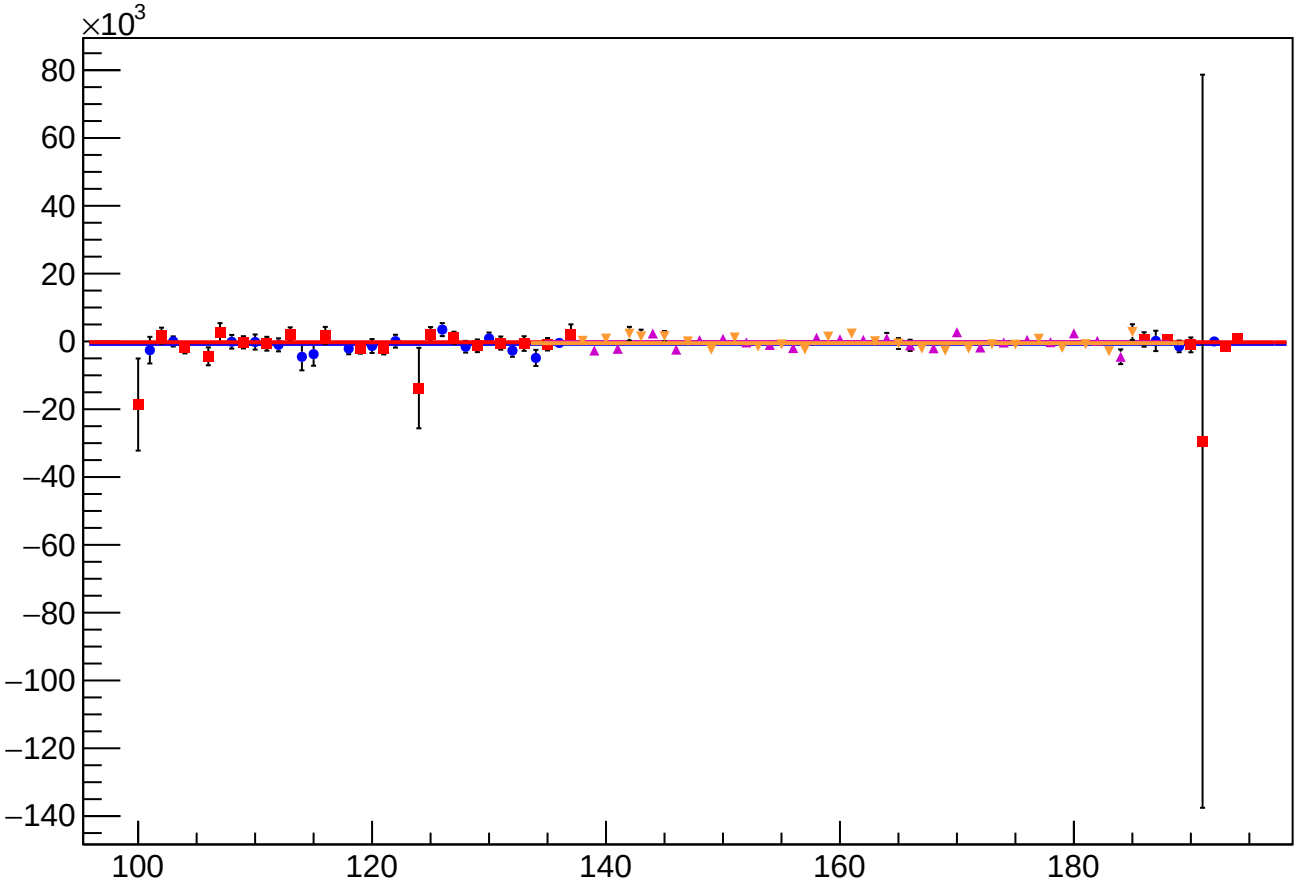
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 418.460+/-0.082 χ^2/NDF: 12992293.6/43

In: 290.783+/-0.044 χ^2/NDF:9671312.4/41

Out: 289.112+/-0.043 χ^2/NDF:13676294.6/49

All: 289.925+/-0.031 χ^2/NDF: 23348350.4/91



Right In: -731.684+/-436.629 χ^2/NDF: 14.0/18

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -245.473+/-400.948 χ^2/NDF: 17.9/24

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

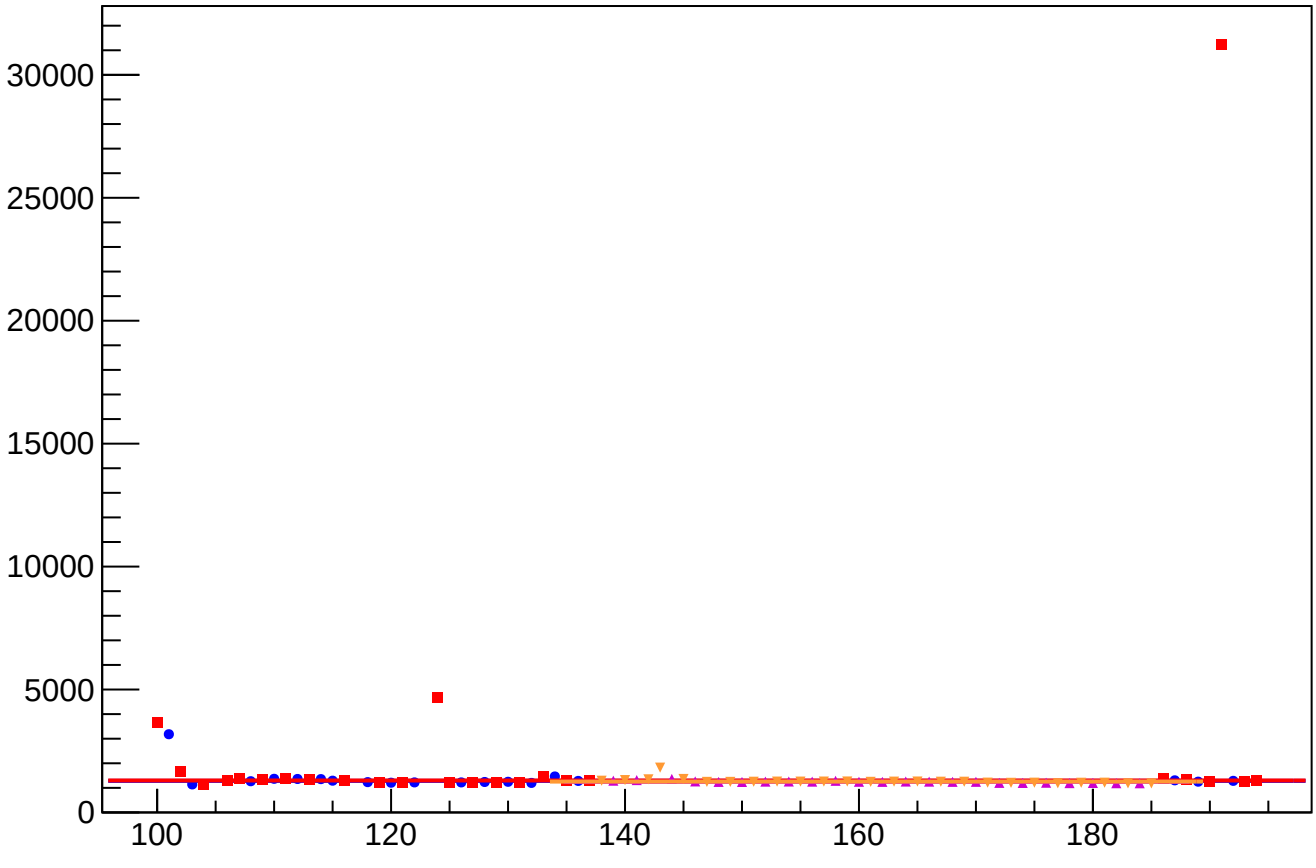
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -467.903+/-295.323 χ^2/NDF: 32.5/43

In: -393.188+/-242.244 χ^2/NDF:46.9/41

Out: -423.754+/-232.805 χ^2/NDF:49.1/49

All: -409.078+/-167.856 χ^2/NDF: 96.0/91



Right In: 1284.287+/-0.309 χ^2/NDF: 518952.8/18

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1300.176+/-0.284 χ^2/NDF: 488857.4/24

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

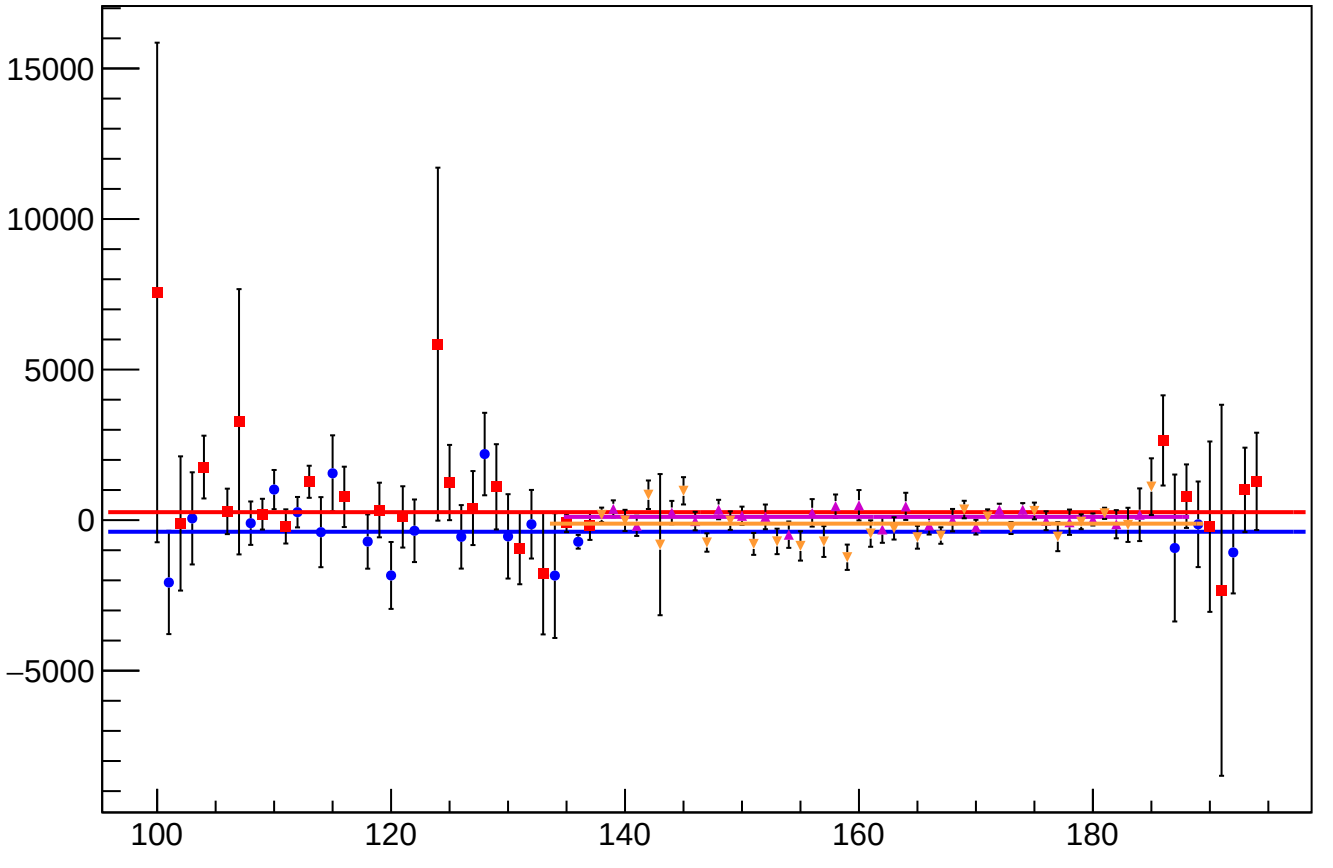
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1292.907+/-0.209 χ^2/NDF: 1009246.9/43

In: 1258.031+/-0.171 χ^2/NDF:569258.6/41

Out: 1270.571+/-0.165 χ^2/NDF:708430.7/49

All: 1264.550+/-0.119 χ^2/NDF: 1280475.7/91



Right In: -386.362+/-165.432 χ^2/NDF: 18.3/18

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 264.609+/-163.861 χ^2/NDF: 17.9/24

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

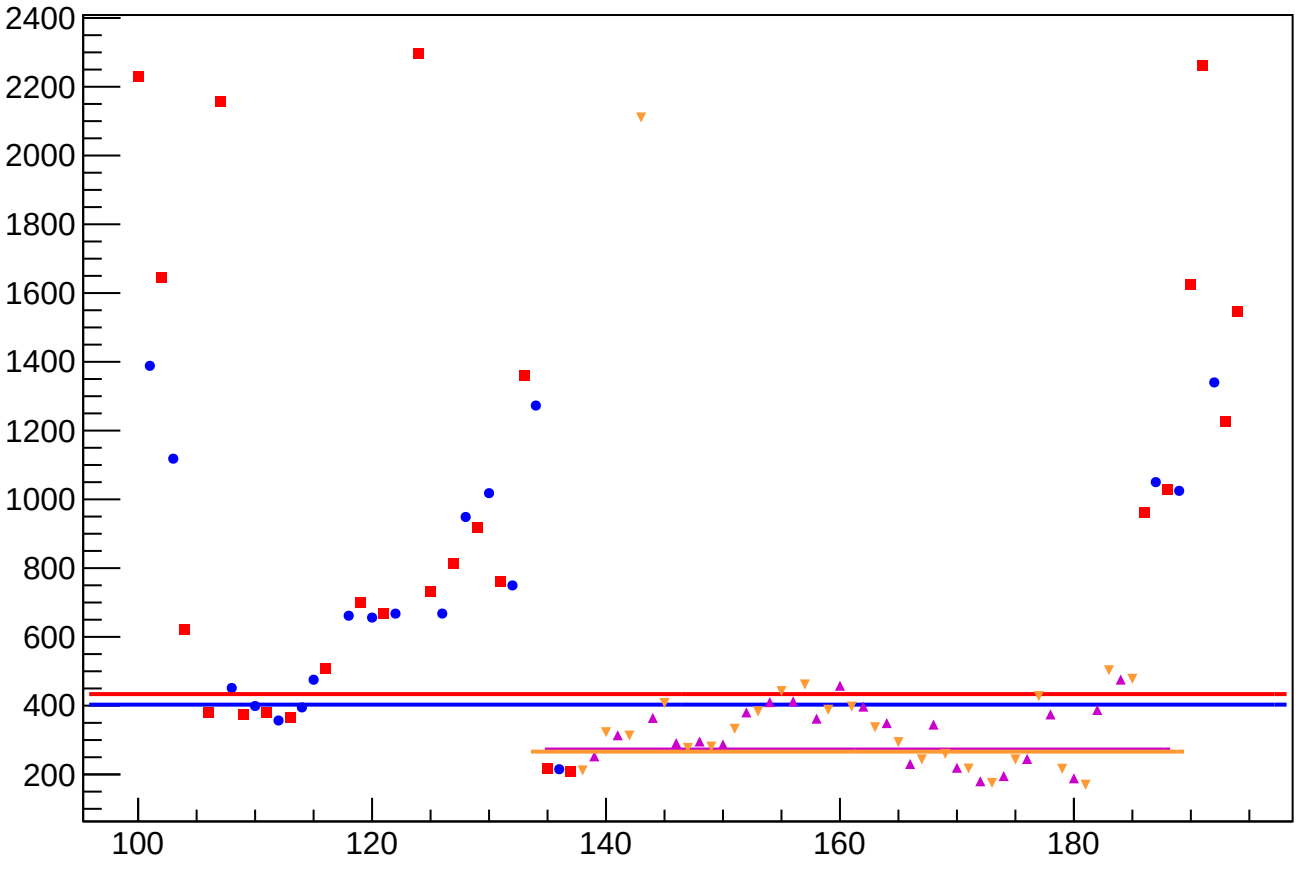
Right: -57.771+/-116.419 χ^2/NDF: 43.9/43

In: 37.869+/-62.102 χ^2/NDF:39.7/41

Out: -65.035+/-60.468 χ^2/NDF:71.0/49

All: -14.955+/-43.324 χ^2/NDF: 112.0/91

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.982+/-0.117 χ^2/NDF: 5712832.6/18

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 433.646+/-0.116 χ^2/NDF: 7244776.3/24

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

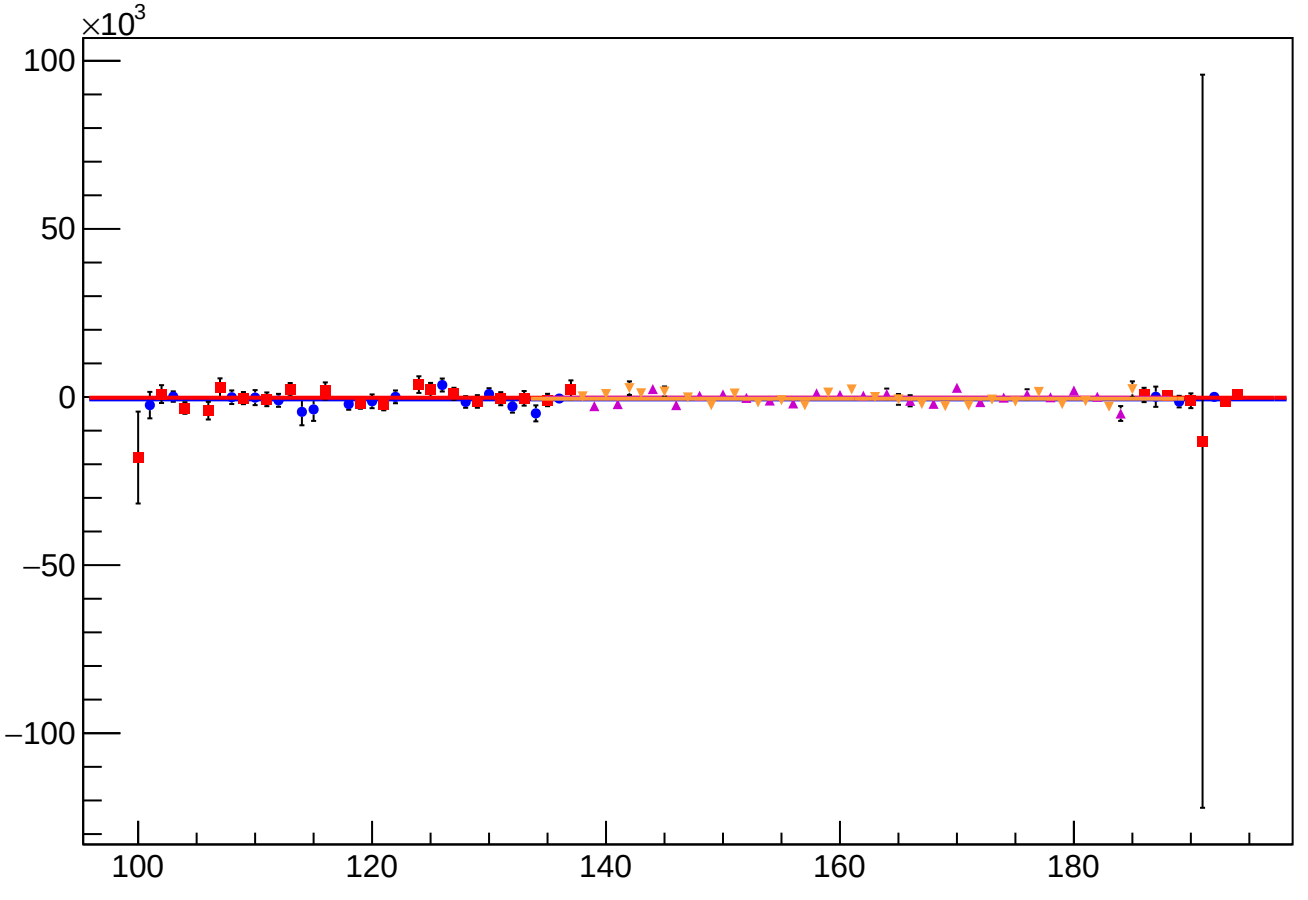
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 418.460+/-0.082 χ^2/NDF: 12992293.6/43

In: 290.783+/-0.044 χ^2/NDF:9671312.4/41

Out: 289.112+/-0.043 χ^2/NDF:13676294.6/49

All: 289.925+/-0.031 χ^2/NDF: 23348350.4/91



Right In: -700.660+/-438.379 χ^2/NDF: 14.2/18

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -206.473+/-399.026 χ^2/NDF: 19.8/24

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

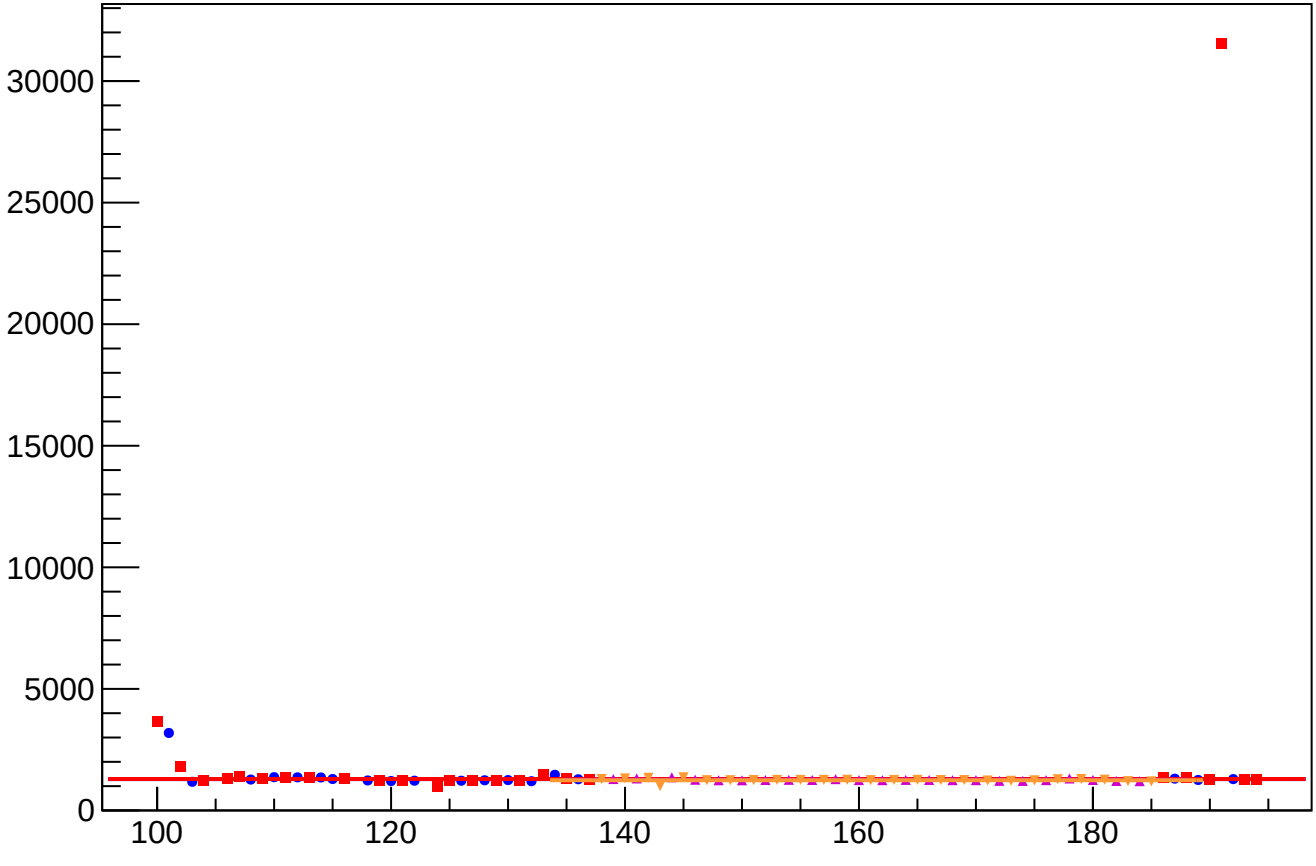
Right: -430.394+/-295.088 χ^2/NDF: 34.7/43

In: -384.523+/-244.367 χ^2/NDF:45.6/41

Out: -397.519+/-230.693 χ^2/NDF:54.4/49

All: -391.395+/-167.751 χ^2/NDF: 100.0/91

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



Right In: 1289.643+/-0.310 χ^2/NDF: 510361.1/18

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1294.248+/-0.282 χ^2/NDF: 371977.9/24

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

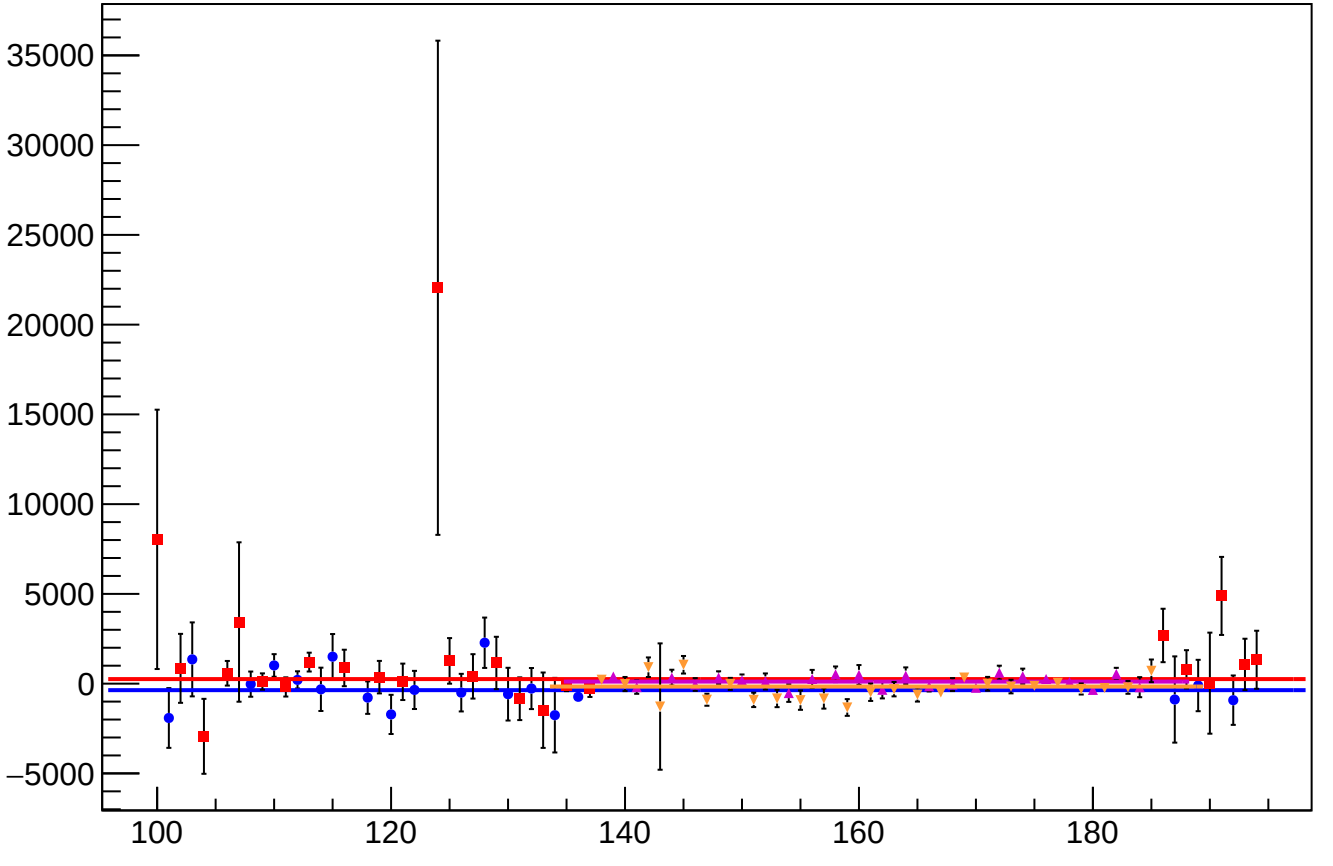
Right: 1292.162+/-0.209 χ^2/NDF: 882459.7/43

In: 1269.276+/-0.173 χ^2/NDF:544556.7/41

Out: 1259.823+/-0.163 χ^2/NDF:524361.1/49

All: 1264.277+/-0.119 χ^2/NDF: 1070500.3/91

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -362.710+/-167.122 χ^2/NDF: 18.7/18

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 254.066+/-163.779 χ^2/NDF: 24.4/24

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

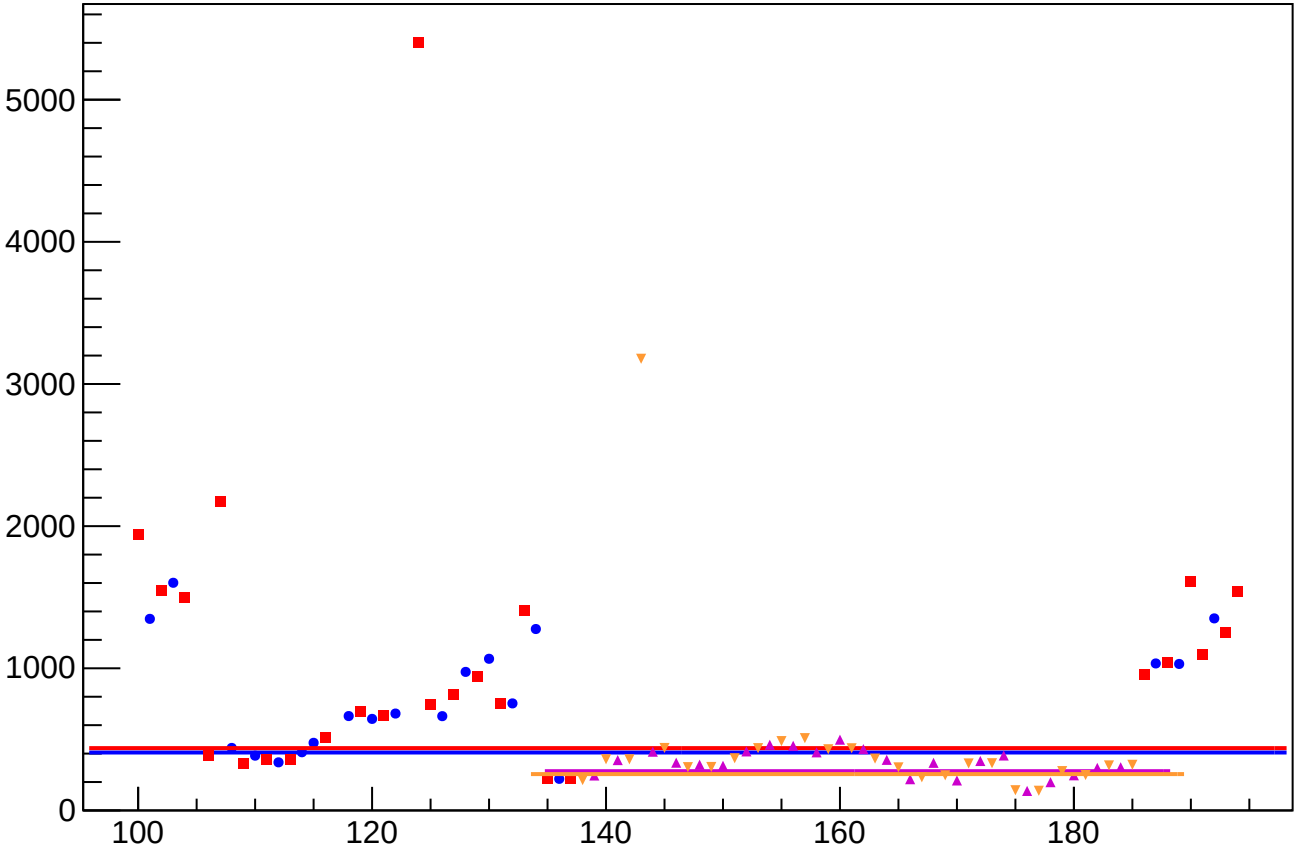
Right: -48.092+/-116.973 χ^2/NDF: 50.0/43

In: 44.609+/-63.652 χ^2/NDF:43.8/41

Out: -105.756+/-59.718 χ^2/NDF:73.7/49

All: -35.364+/-43.551 χ^2/NDF: 120.5/91

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 407.678+/-0.118 χ^2/NDF: 5821860.0/18

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 438.524+/-0.116 χ^2/NDF: 7753440.7/24

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

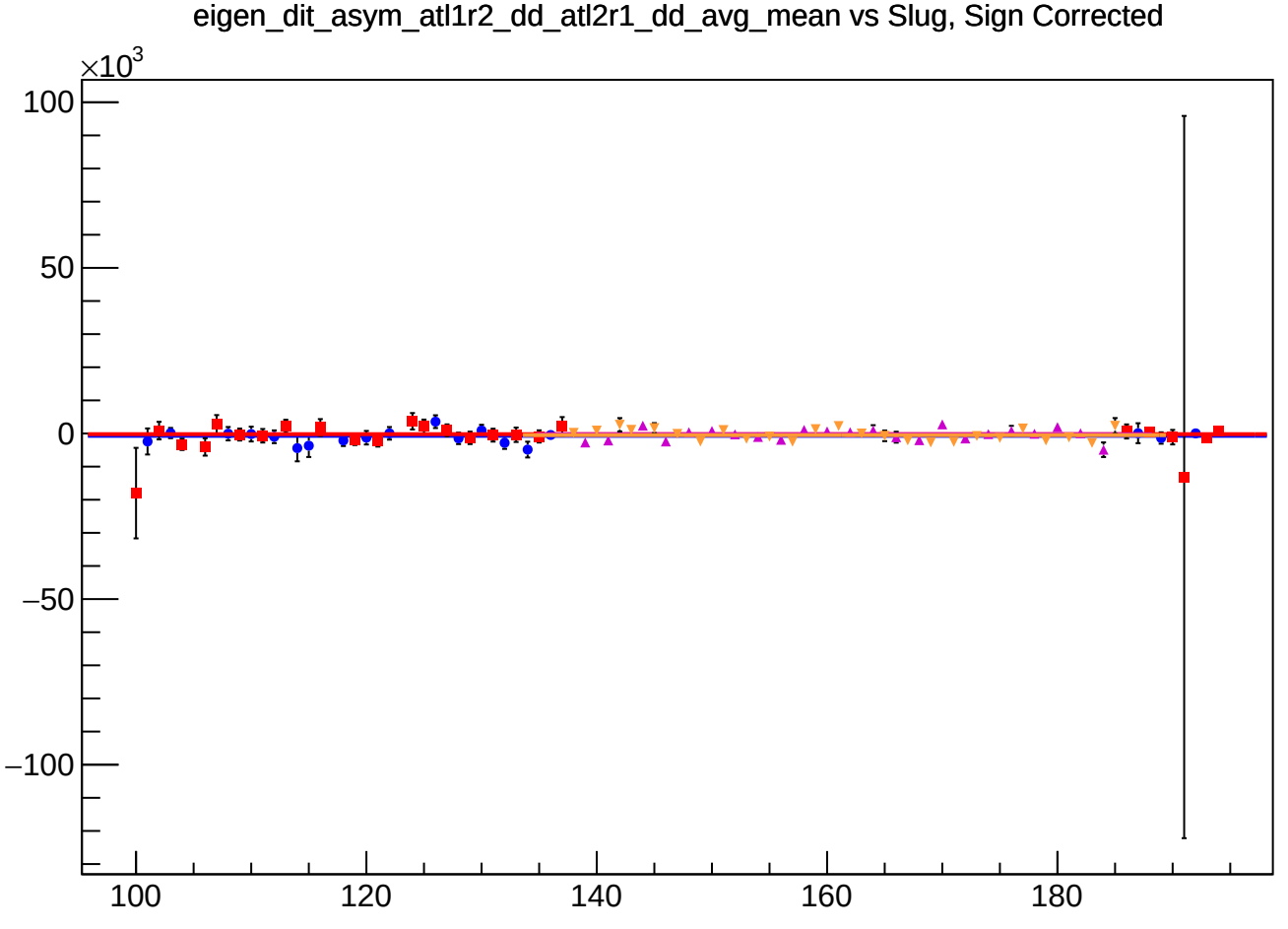
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 423.413+/-0.083 χ^2/NDF: 13610054.4/43

In: 295.357+/-0.045 χ^2/NDF:10905976.0/41

Out: 280.065+/-0.042 χ^2/NDF:16286591.4/49

All: 287.224+/-0.031 χ^2/NDF: 27253957.0/91



Right In: -700.662+/-438.379 χ^2/NDF: 14.2/18

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -206.473+/-399.026 χ^2/NDF: 19.8/24

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

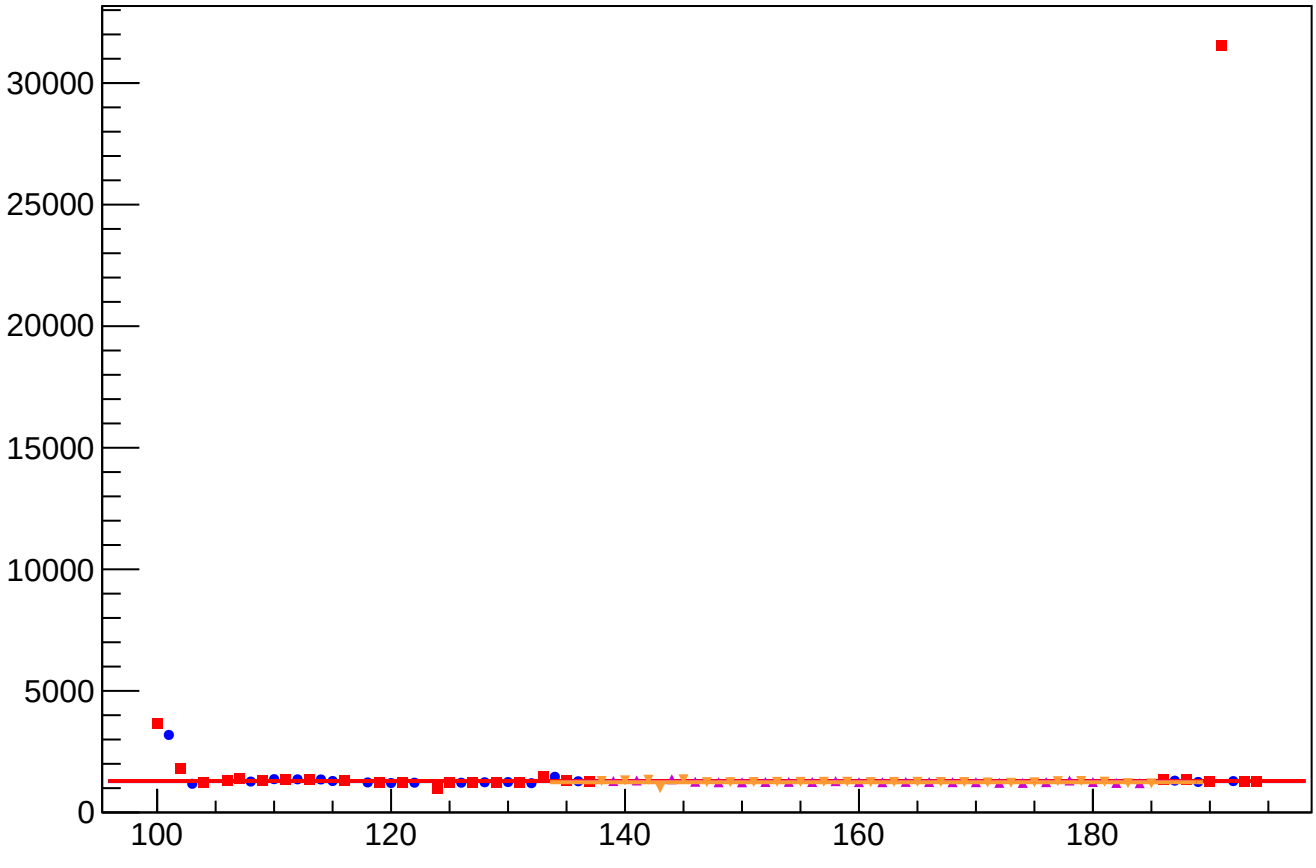
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -430.395+/-295.088 χ^2/NDF: 34.7/43

In: -384.524+/-244.367 χ^2/NDF:45.6/41

Out: -397.519+/-230.693 χ^2/NDF:54.4/49

All: -391.395+/-167.751 χ^2/NDF: 100.0/91



Right In: 1289.643+/-0.310 χ^2/NDF: 510361.1/18

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1294.248+/-0.282 χ^2/NDF: 371978.2/24

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

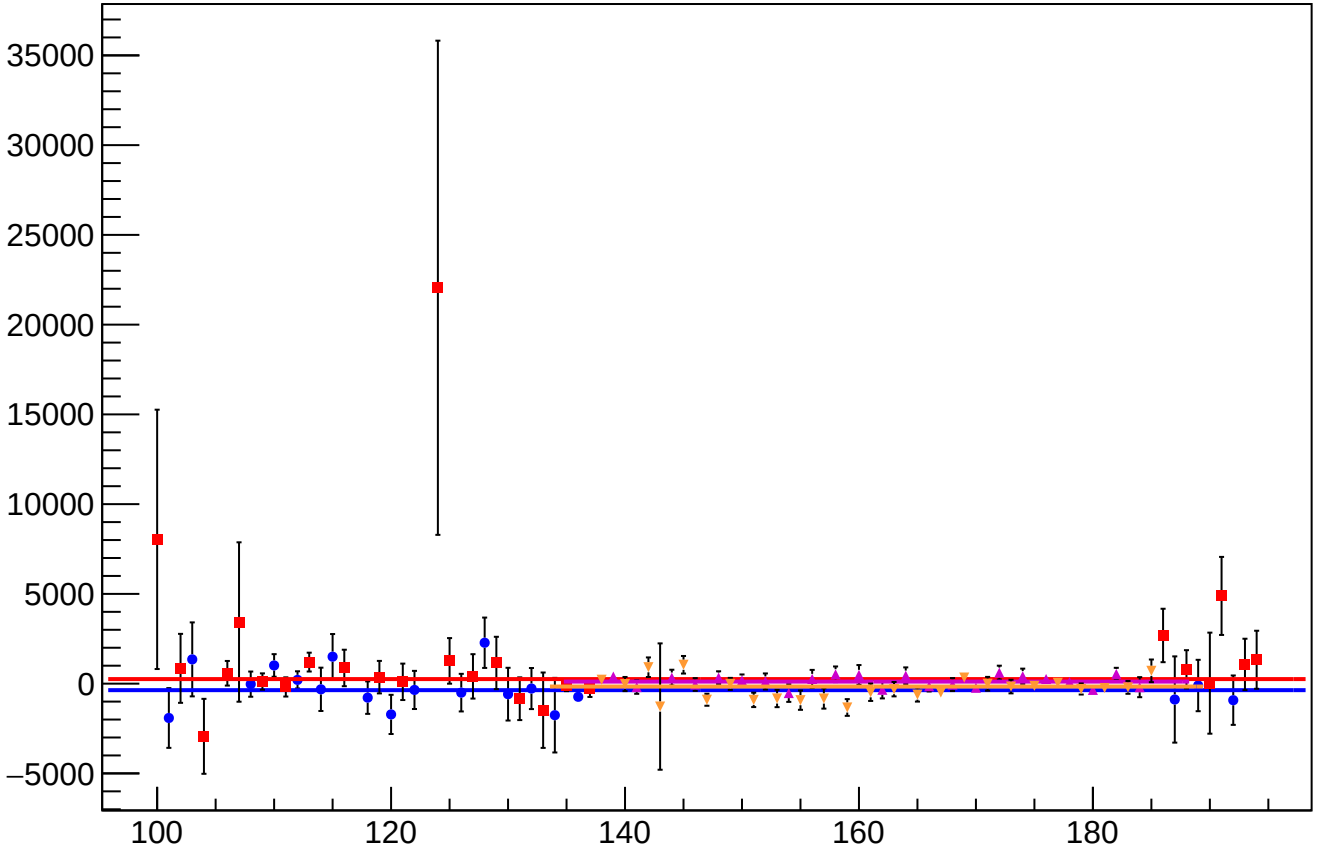
Right: 1292.162+/-0.209 χ^2/NDF: 882460.0/43

In: 1269.276+/-0.173 χ^2/NDF:544556.8/41

Out: 1259.823+/-0.163 χ^2/NDF:524360.5/49

All: 1264.277+/-0.119 χ^2/NDF: 1070499.7/91

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -362.710+/-167.125 χ^2/NDF: 18.7/18

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 254.074+/-163.781 χ^2/NDF: 24.4/24

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

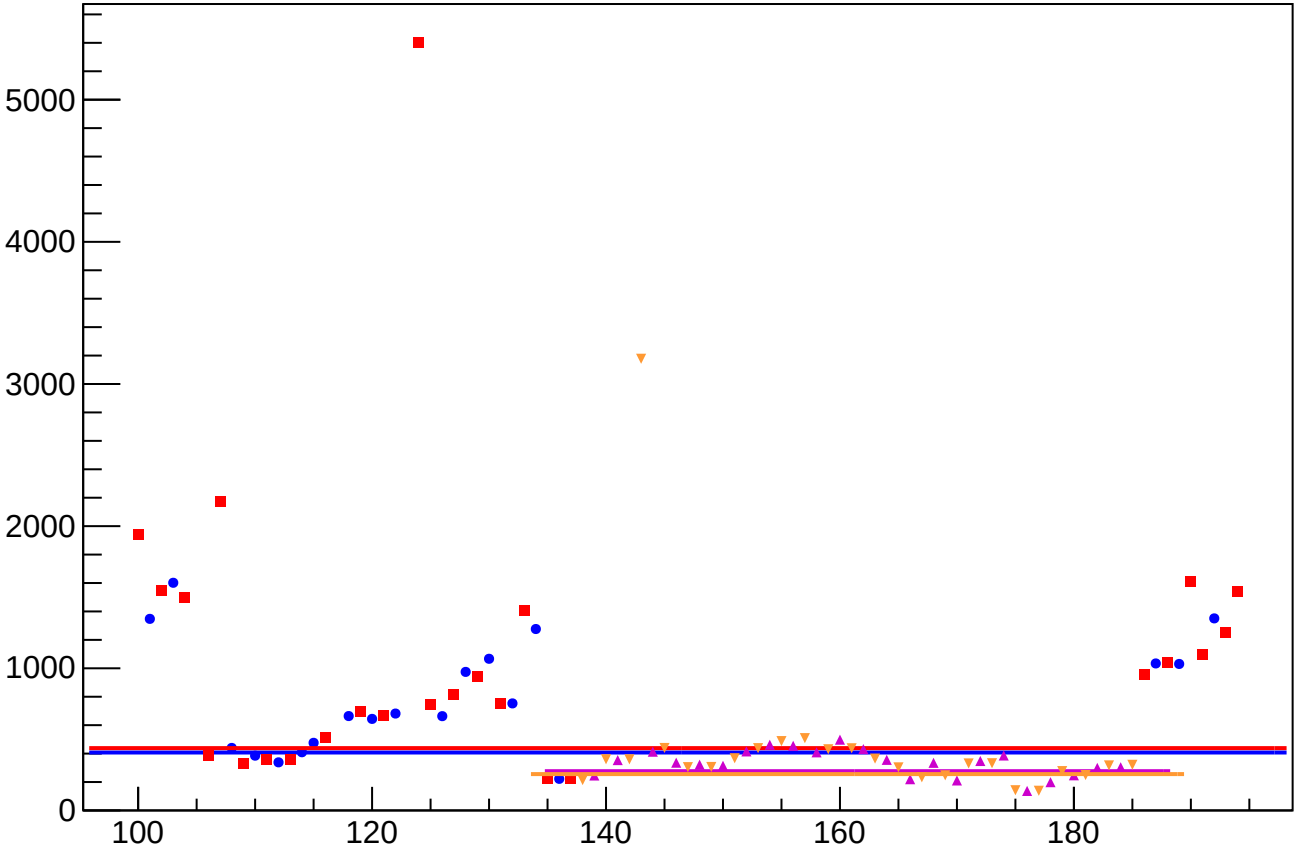
Right: -48.087+/-116.975 χ^2/NDF: 50.0/43

In: 44.610+/-63.652 χ^2/NDF:43.8/41

Out: -105.759+/-59.718 χ^2/NDF:73.7/49

All: -35.365+/-43.551 χ^2/NDF: 120.5/91

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 407.689+/-0.118 χ^2/NDF: 5821635.1/18

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 438.532+/-0.116 χ^2/NDF: 7753231.8/24

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

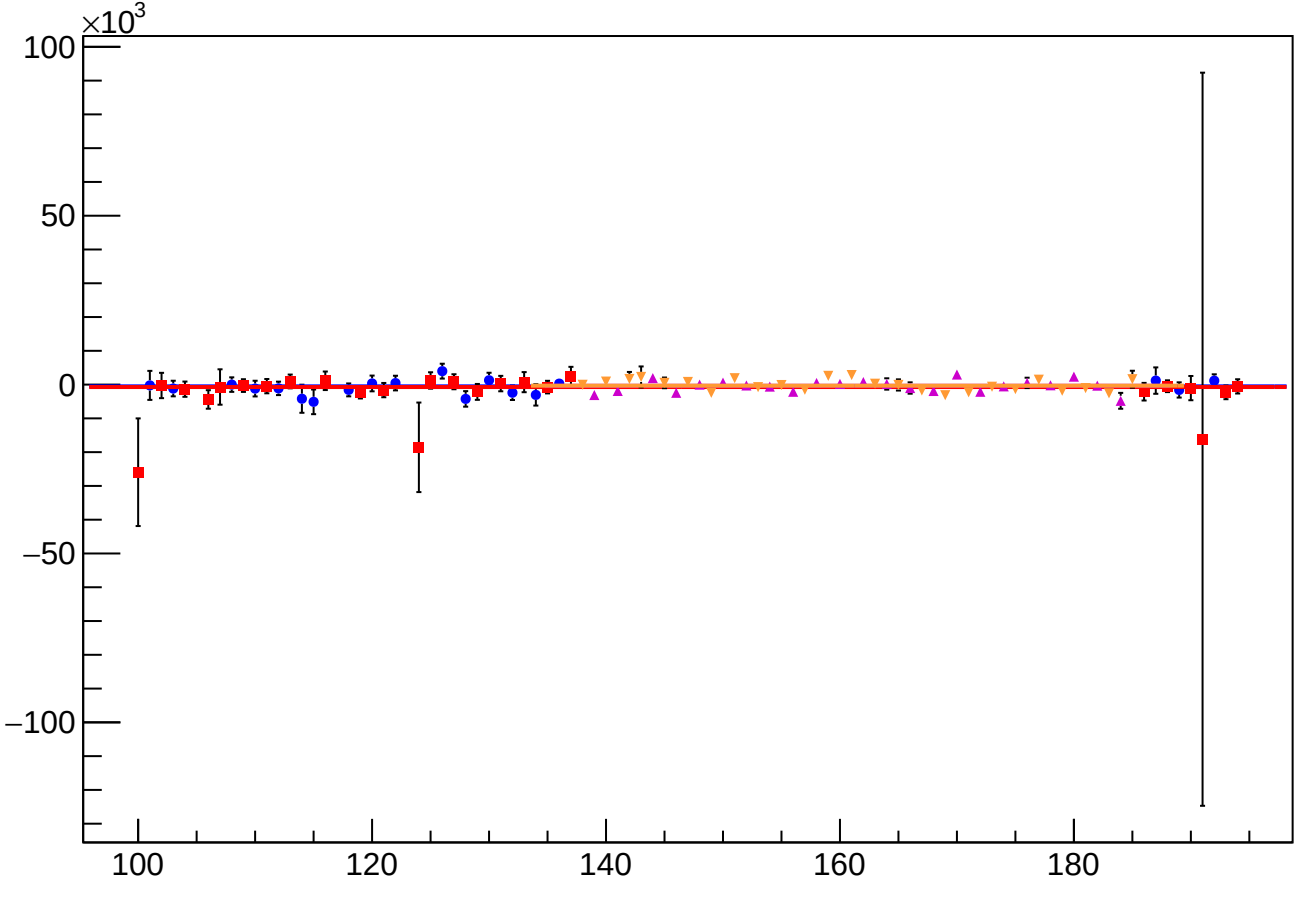
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 423.422+/-0.083 χ^2/NDF: 13609615.4/43

In: 295.358+/-0.045 χ^2/NDF:10905844.1/41

Out: 280.067+/-0.042 χ^2/NDF:16286409.1/49

All: 287.226+/-0.031 χ^2/NDF: 27253638.7/91



Right In: -521.591+/-521.116 χ^2/NDF: 13.7/18

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -724.004+/-491.743 χ^2/NDF: 12.3/24

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

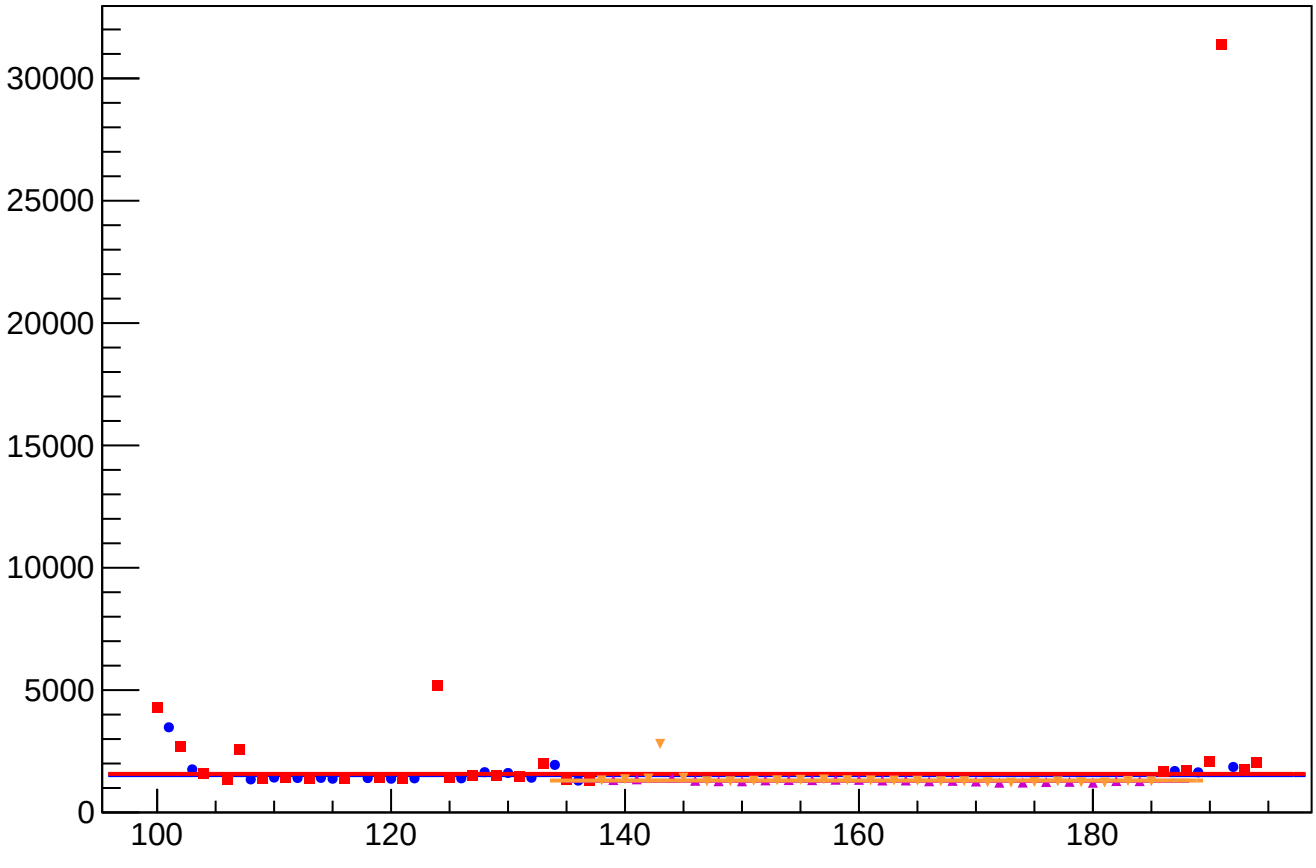
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -628.663+/-357.648 χ^2/NDF: 26.1/43

In: -397.901+/-261.230 χ^2/NDF:43.5/41

Out: -428.473+/-255.024 χ^2/NDF:44.4/49

All: -413.555+/-182.484 χ^2/NDF: 87.9/91



Right In: 1525.784+/-0.368 χ^2/NDF: 665922.3/18

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1576.180+/-0.348 χ^2/NDF: 975572.1/24

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

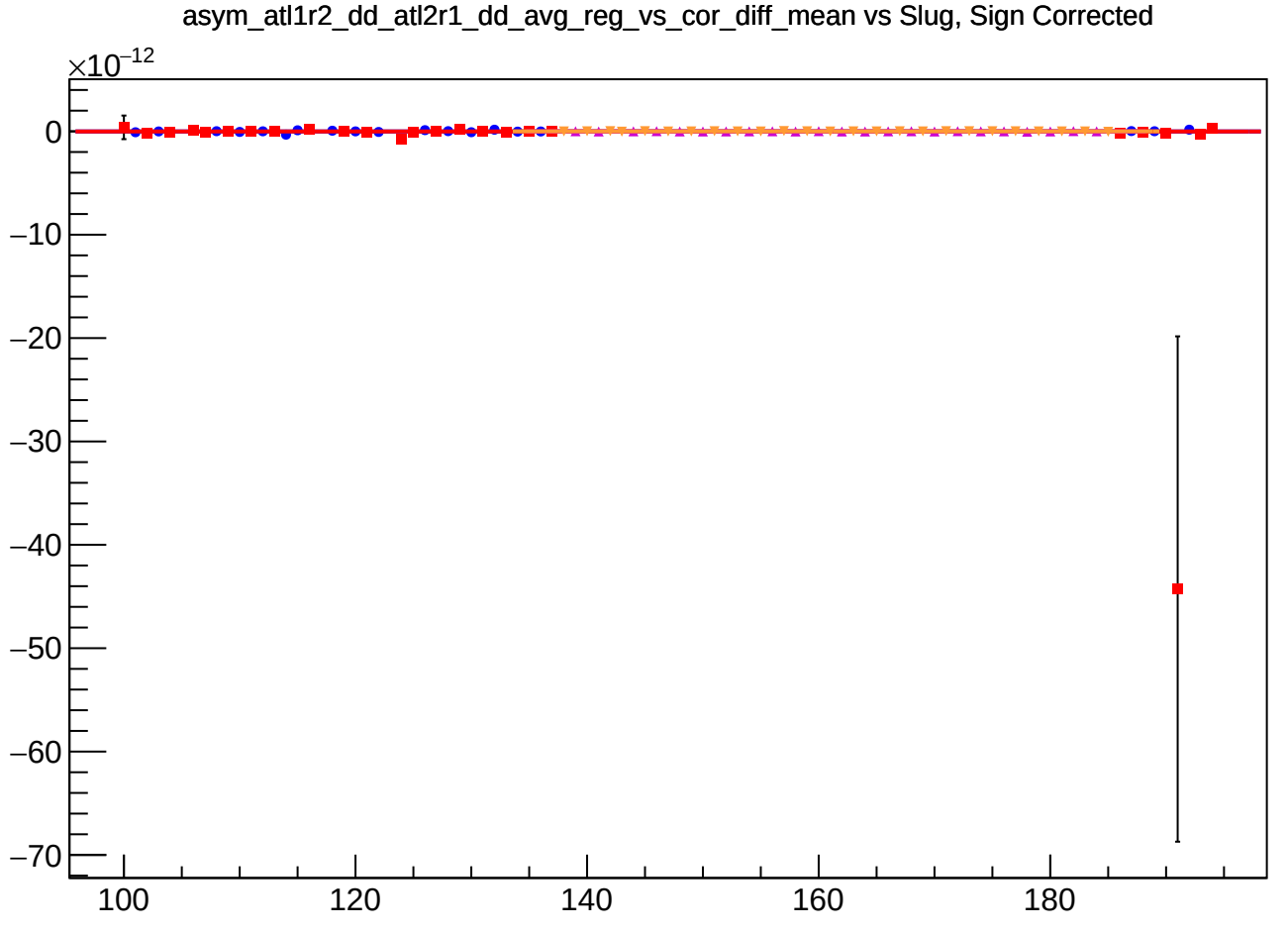
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1552.442+/-0.253 χ^2/NDF: 1651388.9/43

In: 1350.840+/-0.185 χ^2/NDF:1015320.4/41

Out: 1377.320+/-0.180 χ^2/NDF:1942596.5/49

All: 1364.398+/-0.129 χ^2/NDF: 2968439.0/91



Right In: -0.000+/-0.000 χ^2/NDF: 10.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.7/24

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

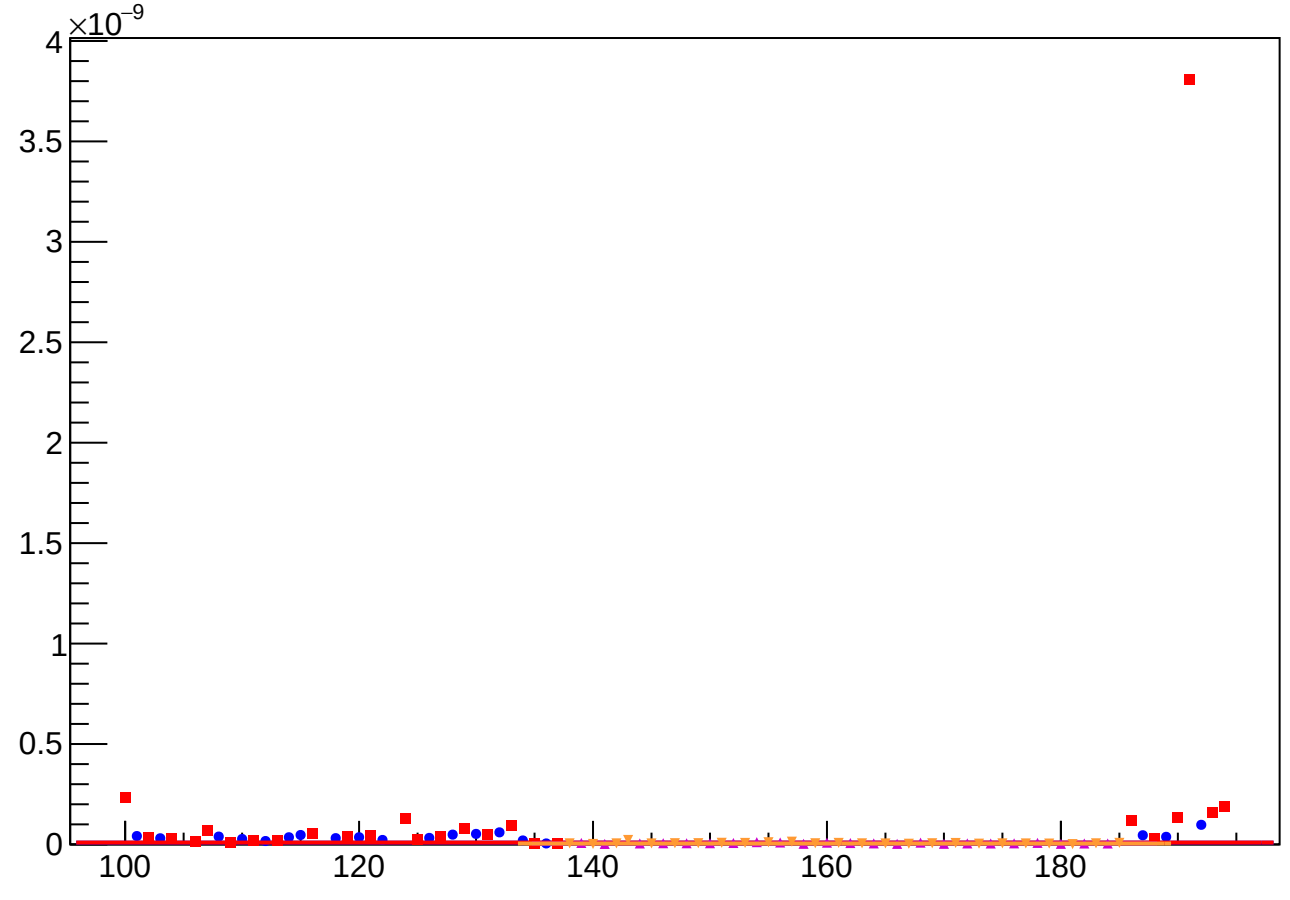
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 42.3/43

In: -0.000+/-0.000 χ^2/NDF:42.2/41

Out: -0.000+/-0.000 χ^2/NDF:58.5/49

All: -0.000+/-0.000 χ^2/NDF: 101.1/91



Right In: 0.000+/-0.000 χ^2/NDF: 3883043.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5914951.2/24

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

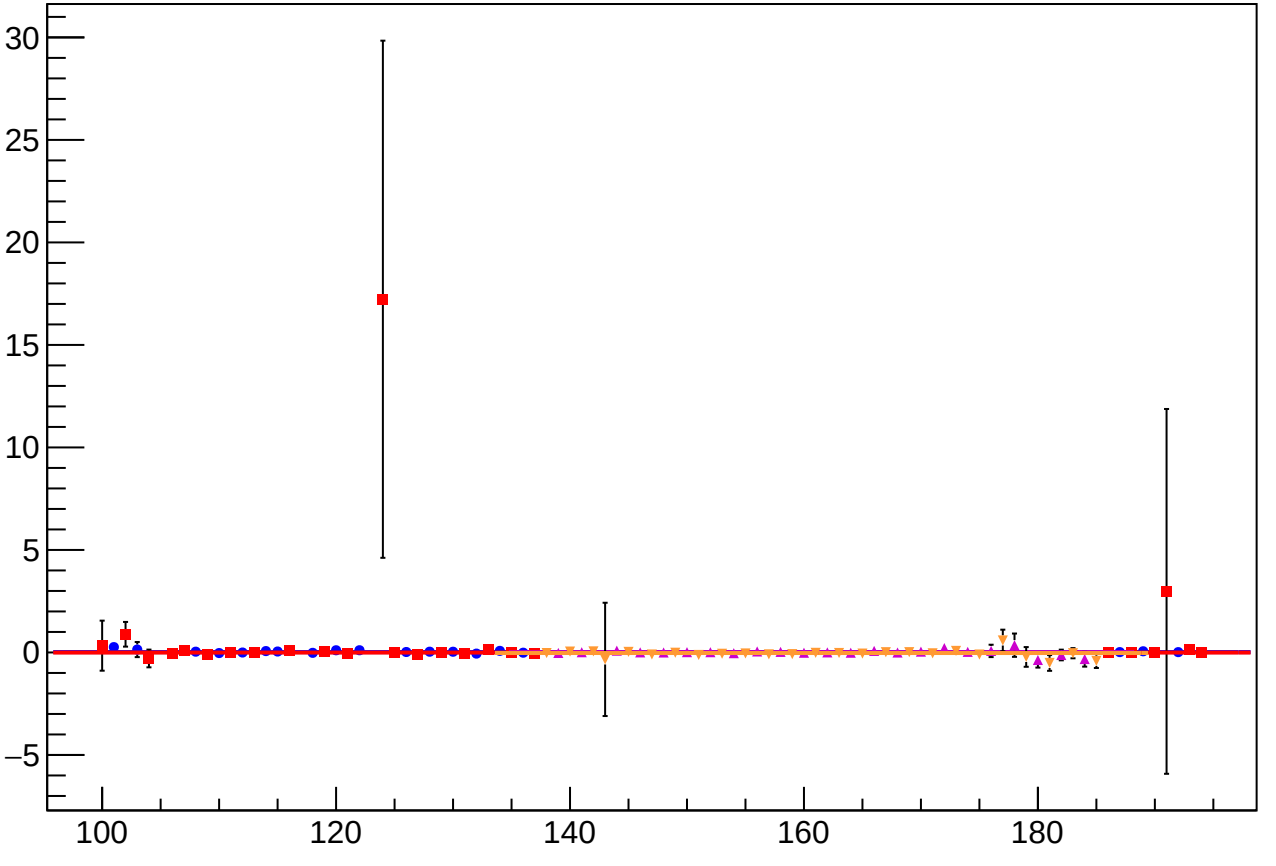
Right: 0.000+/-0.000 χ^2/NDF: 9804178.4/43

In: 0.000+/-0.000 χ^2/NDF:6314025.3/41

Out: 0.000+/-0.000 χ^2/NDF:9346577.5/49

All: 0.000+/-0.000 χ^2/NDF: 15685516.5/91

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.005+/-0.013 χ^2/NDF: 20.1/24

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

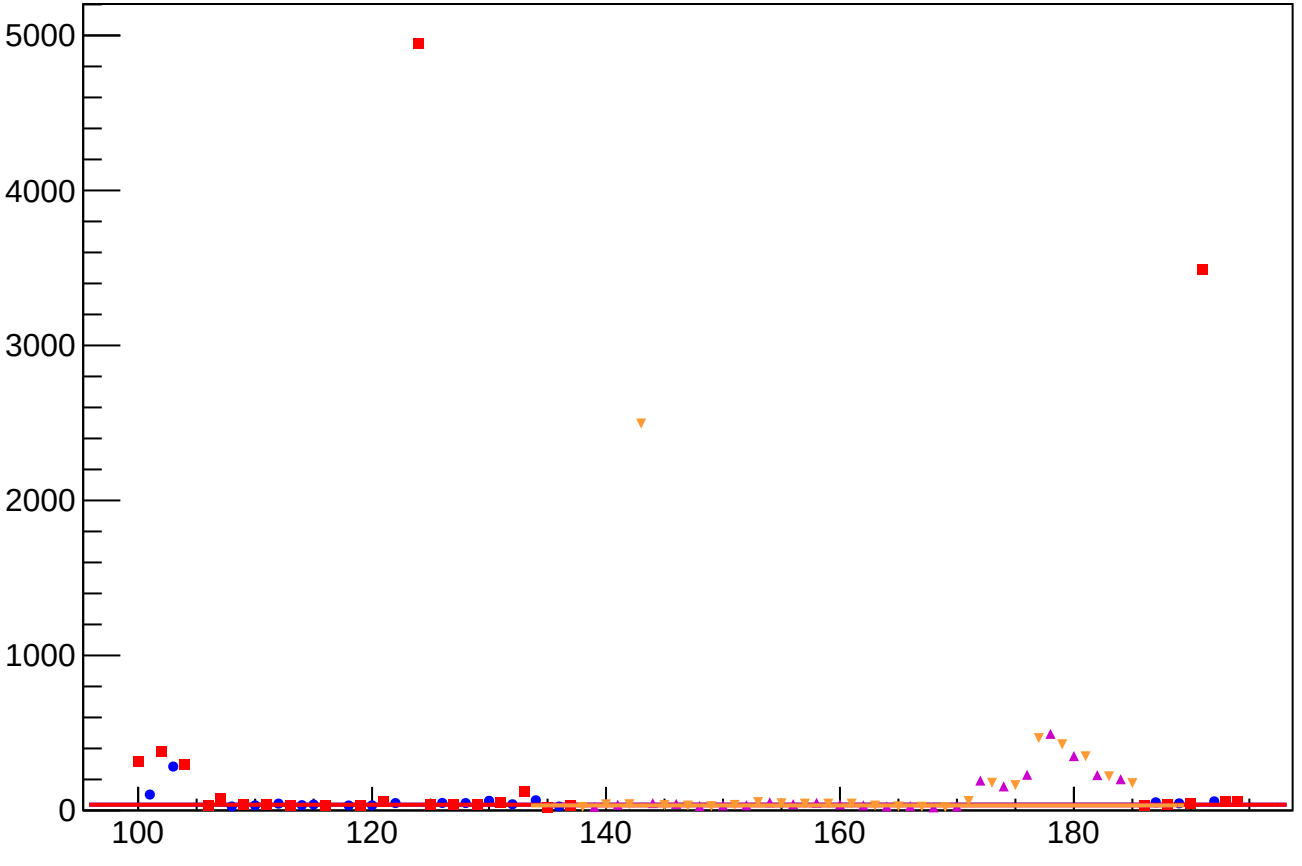
Right: 0.006+/-0.010 χ^2/NDF: 33.3/43

In: 0.013+/-0.008 χ^2/NDF:25.2/41

Out: -0.020+/-0.008 χ^2/NDF:50.1/49

All: -0.004+/-0.006 χ^2/NDF: 84.3/91

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.488+/-0.010 χ^2/NDF: 2544712.0/18

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 36.881+/-0.009 χ^2/NDF: 3779792.3/24

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

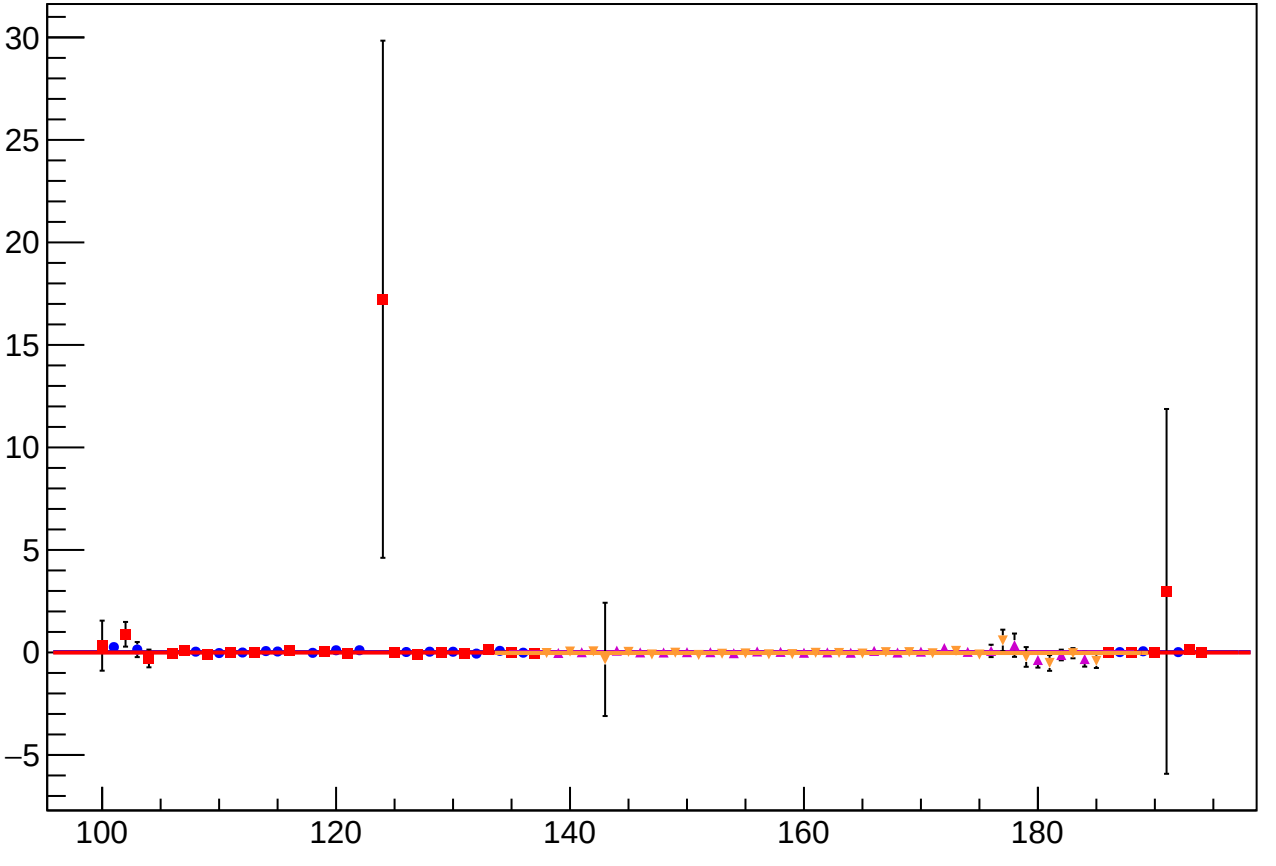
Right: 37.156+/-0.007 χ^2/NDF: 6326385.5/43

In: 34.149+/-0.006 χ^2/NDF:11656411.1/41

Out: 34.014+/-0.005 χ^2/NDF:14791458.8/49

All: 34.080+/-0.004 χ^2/NDF: 26448163.5/91

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.005+/-0.013 χ^2/NDF: 20.1/24

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

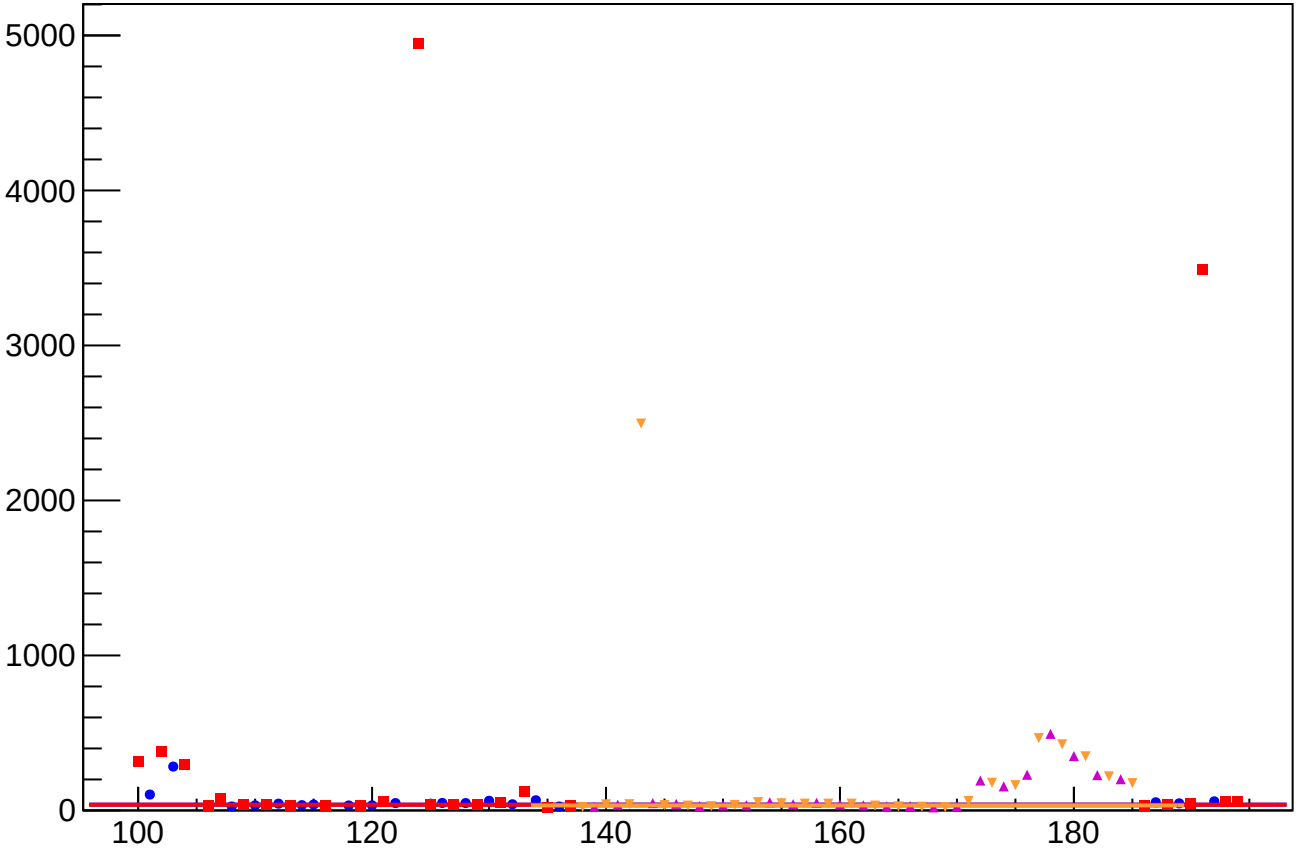
Right: 0.006+/-0.010 χ^2/NDF: 33.3/43

In: 0.013+/-0.008 χ^2/NDF:25.2/41

Out: -0.020+/-0.008 χ^2/NDF:50.1/49

All: -0.004+/-0.006 χ^2/NDF: 84.3/91

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.488+/-0.010 χ^2/NDF: 2544712.0/18

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 36.881+/-0.009 χ^2/NDF: 3779792.3/24

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

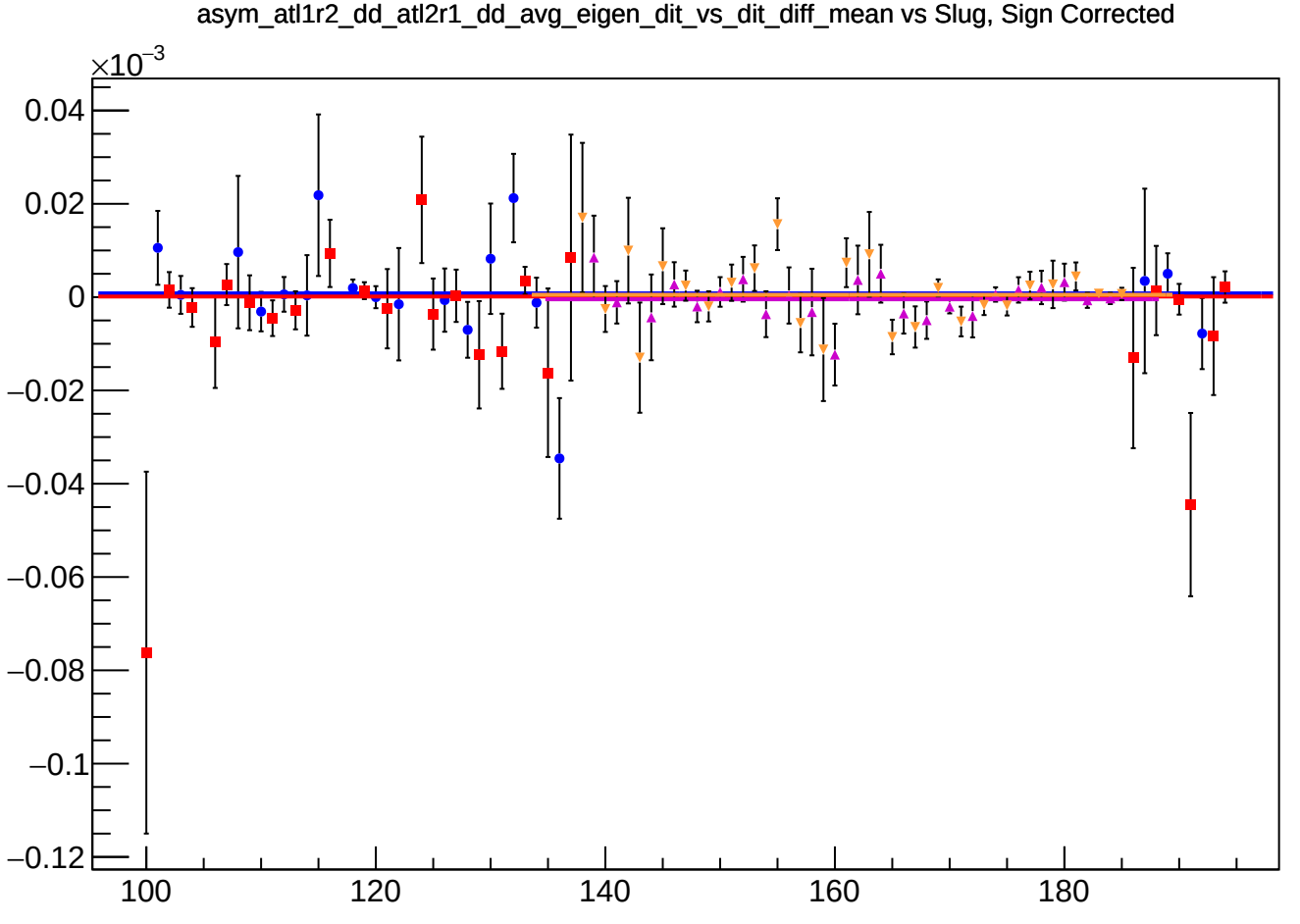
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 37.156+/-0.007 χ^2/NDF: 6326385.5/43

In: 34.149+/-0.006 χ^2/NDF:11656411.1/41

Out: 34.014+/-0.005 χ^2/NDF:14791458.8/49

All: 34.080+/-0.004 χ^2/NDF: 26448163.5/91



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/24

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

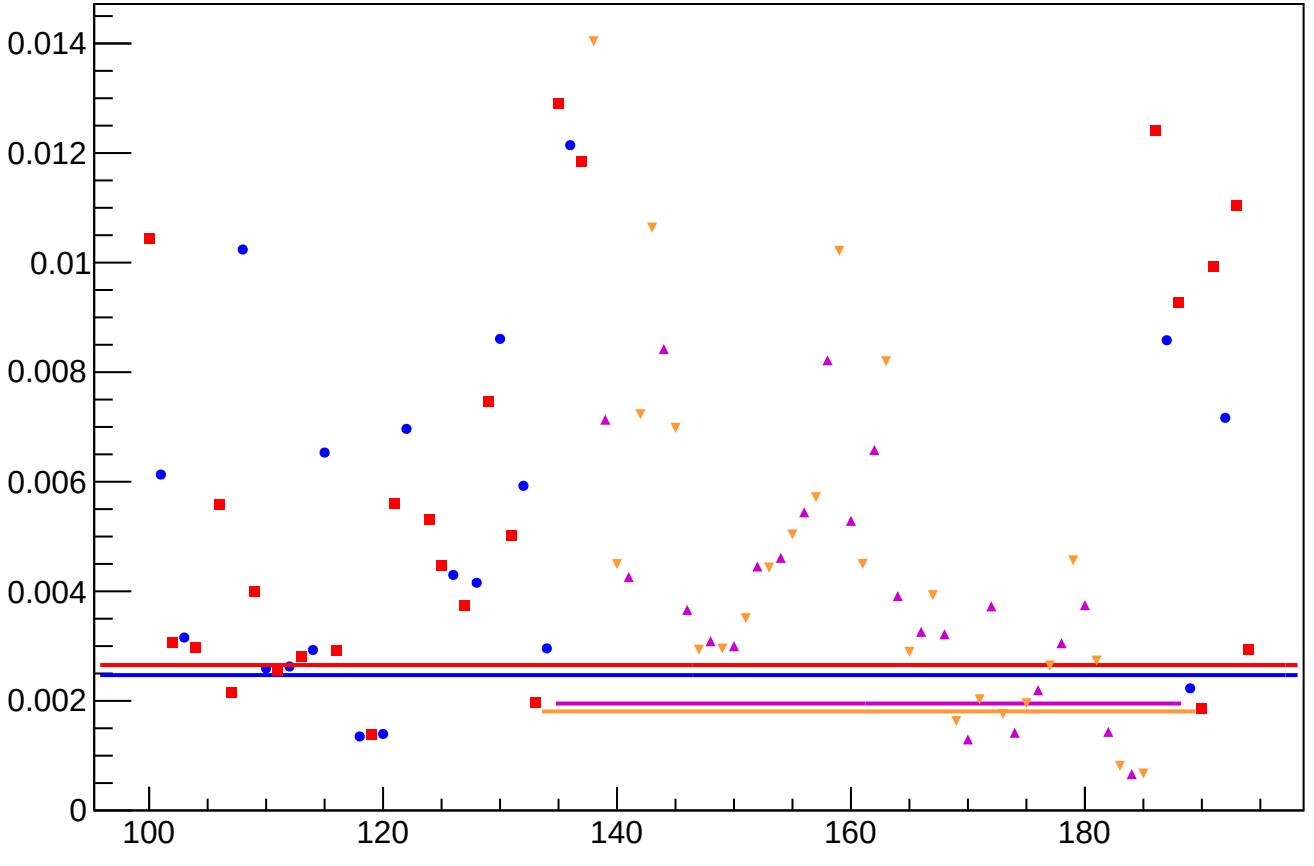
Right: 0.000+/-0.000 χ^2/NDF: 46.1/43

In: -0.000+/-0.000 χ^2/NDF:36.1/41

Out: 0.000+/-0.000 χ^2/NDF:60.4/49

All: 0.000+/-0.000 χ^2/NDF: 97.2/91

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: 5694208.4/18

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6184135.6/24

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

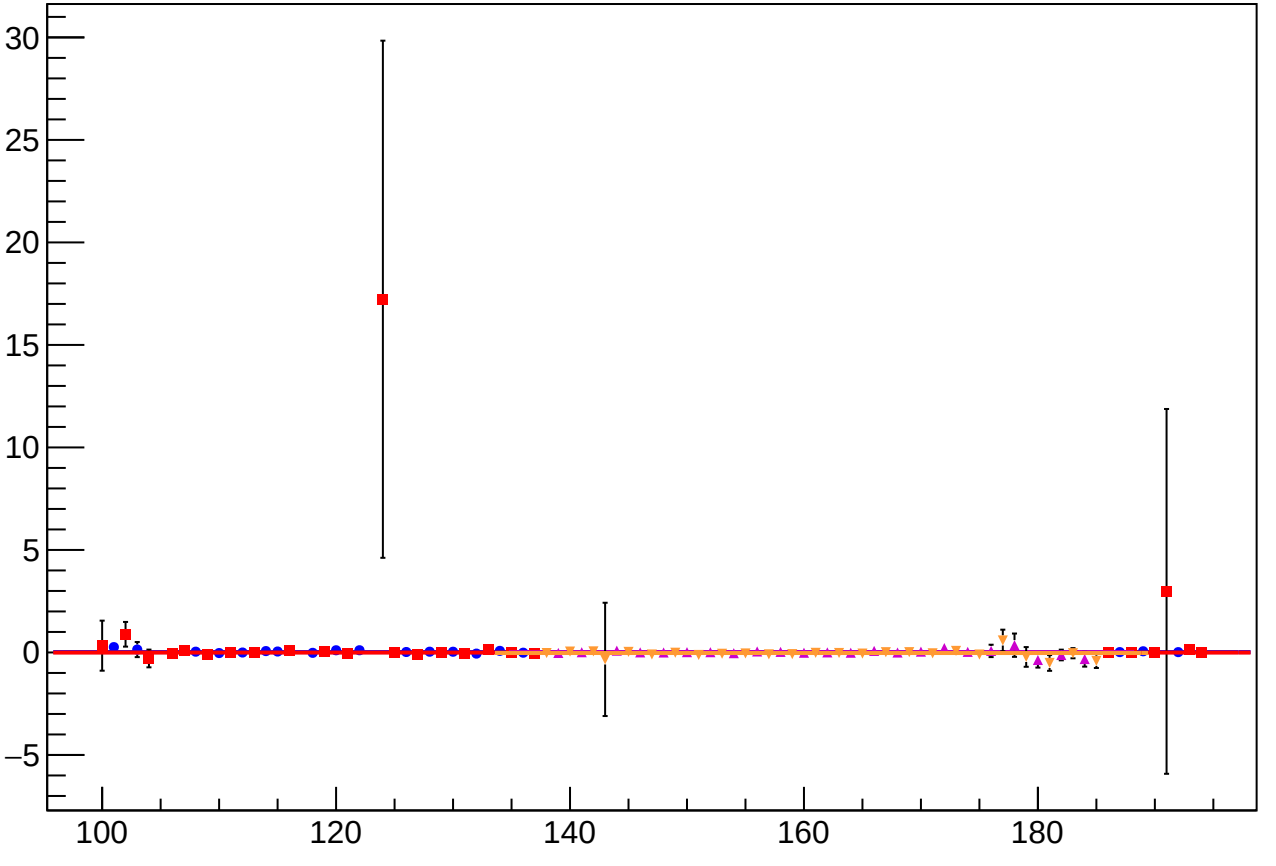
Right: 0.003+/-0.000 χ^2/NDF: 11911371.7/43

In: 0.002+/-0.000 χ^2/NDF:17539062.1/41

Out: 0.002+/-0.000 χ^2/NDF:22301994.9/49

All: 0.002+/-0.000 χ^2/NDF: 39855122.5/91

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.005+/-0.013 χ^2/NDF: 20.1/24

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

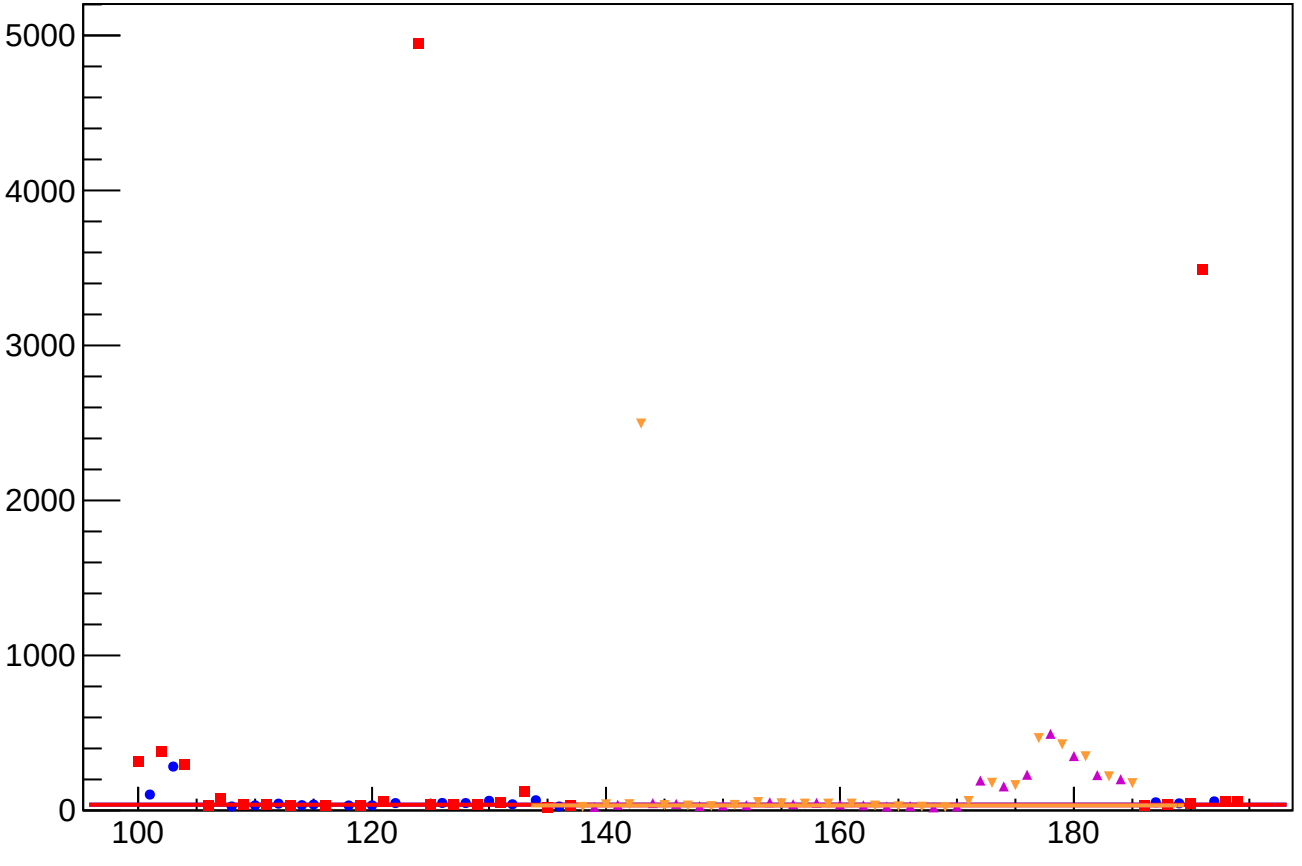
Right: 0.006+/-0.010 χ^2/NDF: 33.3/43

In: 0.013+/-0.008 χ^2/NDF:25.2/41

Out: -0.020+/-0.008 χ^2/NDF:50.1/49

All: -0.004+/-0.006 χ^2/NDF: 84.3/91

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.489+/-0.010 χ^2/NDF: 2544334.6/18

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 36.882+/-0.009 χ^2/NDF: 3779547.2/24

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

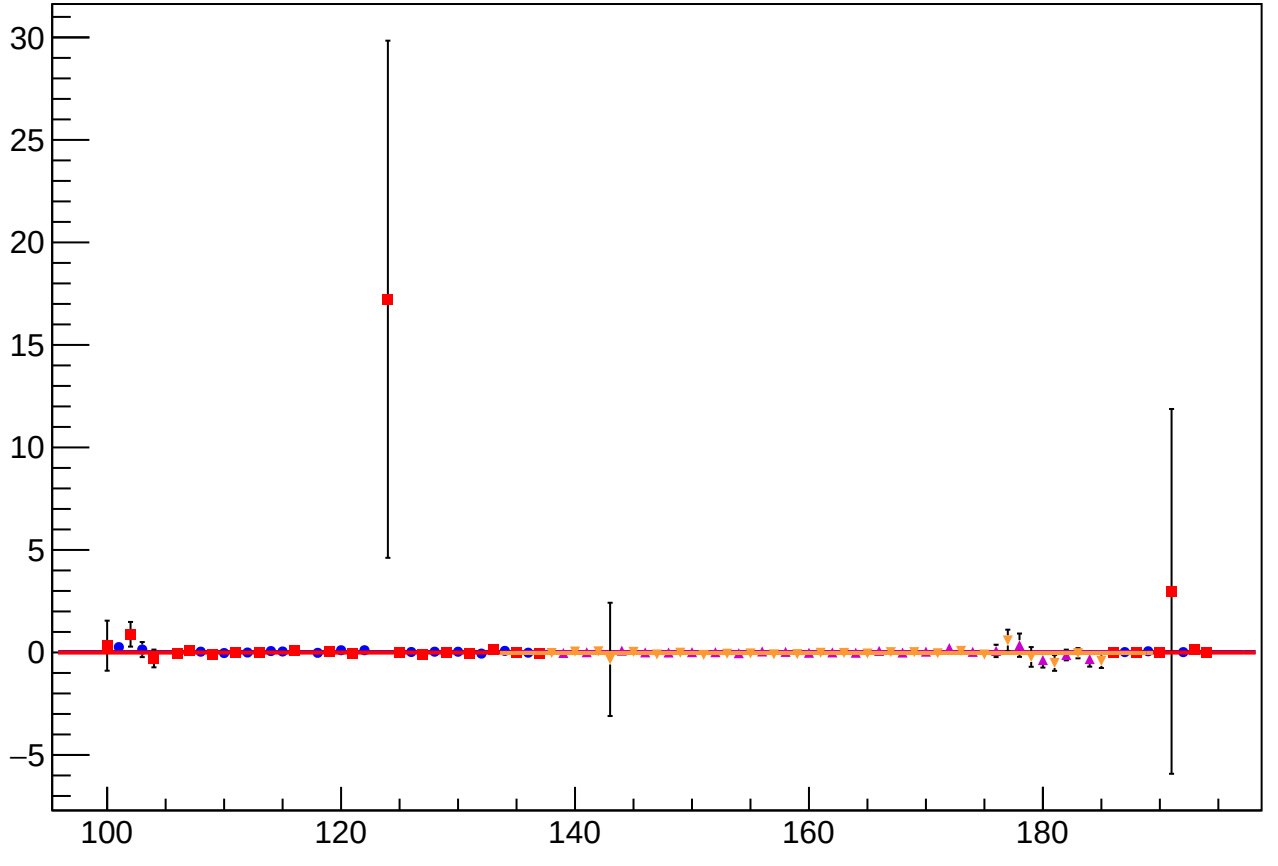
Right: 37.157+/-0.007 χ^2/NDF: 6325770.1/43

In: 34.148+/-0.006 χ^2/NDF:11656832.1/41

Out: 34.014+/-0.005 χ^2/NDF:14791500.0/49

All: 34.079+/-0.004 χ^2/NDF: 26448623.5/91

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.005+/-0.013 χ^2/NDF: 20.1/24

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

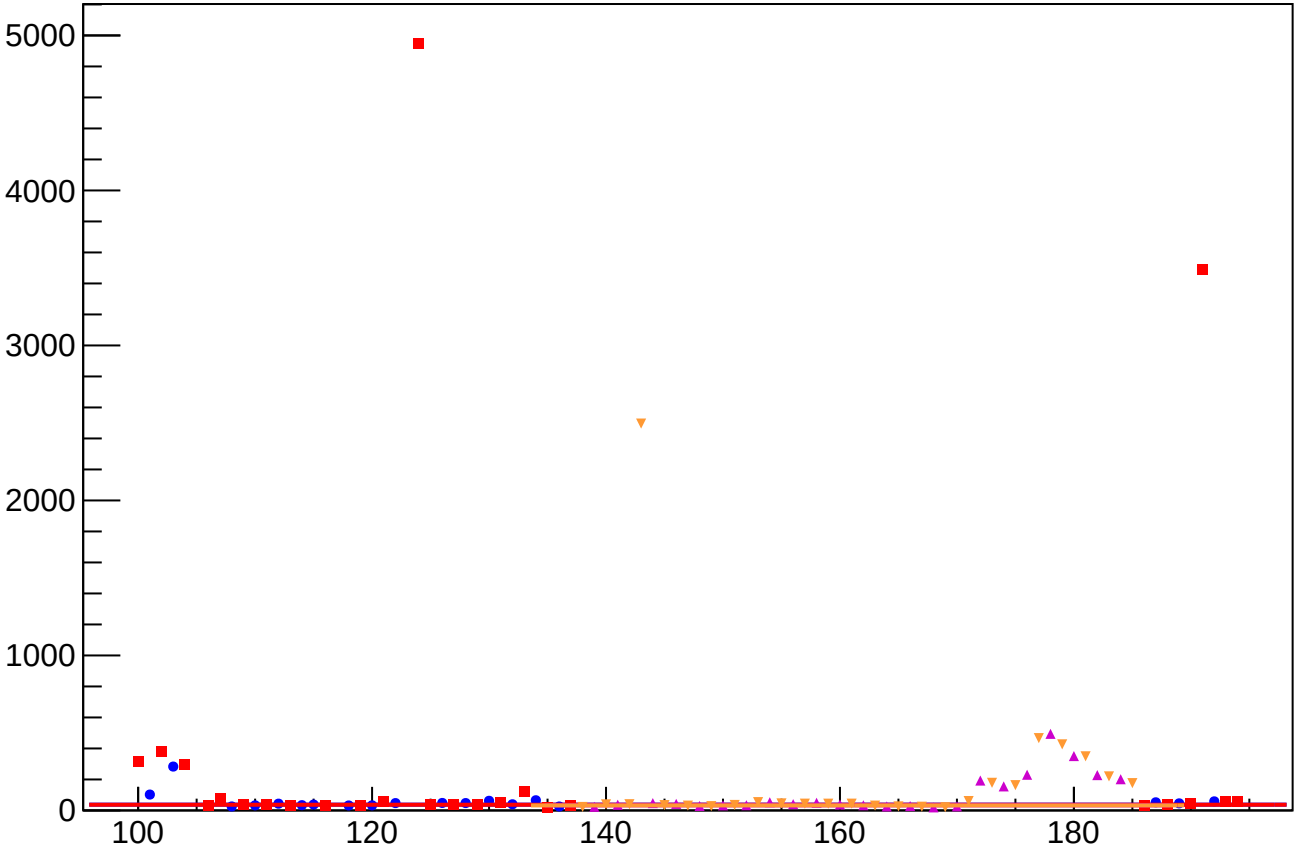
Right: 0.006+/-0.010 χ^2/NDF: 33.3/43

In: 0.013+/-0.008 χ^2/NDF:25.2/41

Out: -0.020+/-0.008 χ^2/NDF:50.1/49

All: -0.004+/-0.006 χ^2/NDF: 84.3/91

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.489+/-0.010 χ^2/NDF: 2544334.6/18

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 36.882+/-0.009 χ^2/NDF: 3779547.2/24

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

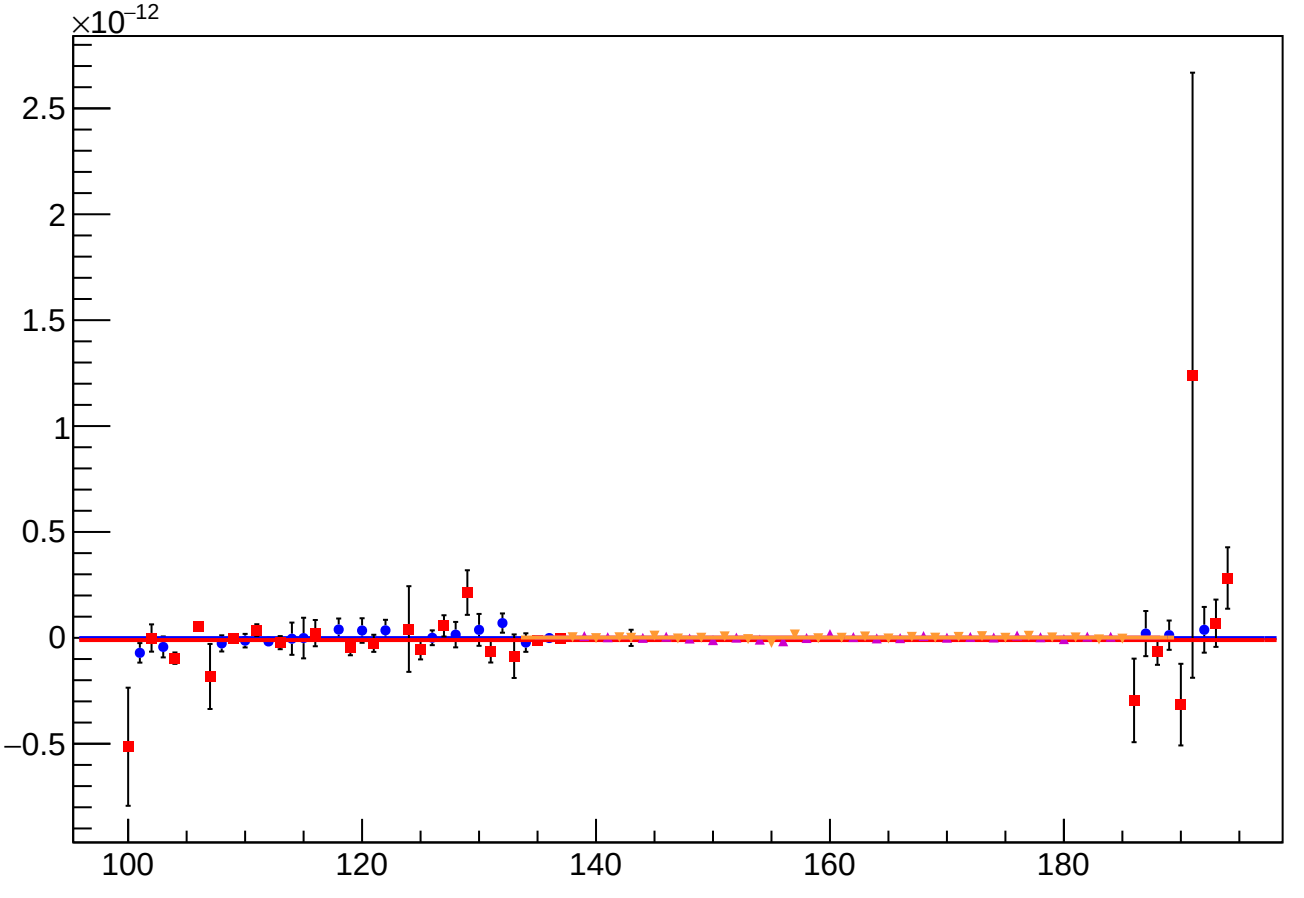
Right: 37.157+/-0.007 χ^2/NDF: 6325770.1/43

In: 34.148+/-0.006 χ^2/NDF:11656832.1/41

Out: 34.014+/-0.005 χ^2/NDF:14791500.0/49

All: 34.079+/-0.004 χ^2/NDF: 26448623.5/91

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 8.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 50.5/24

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

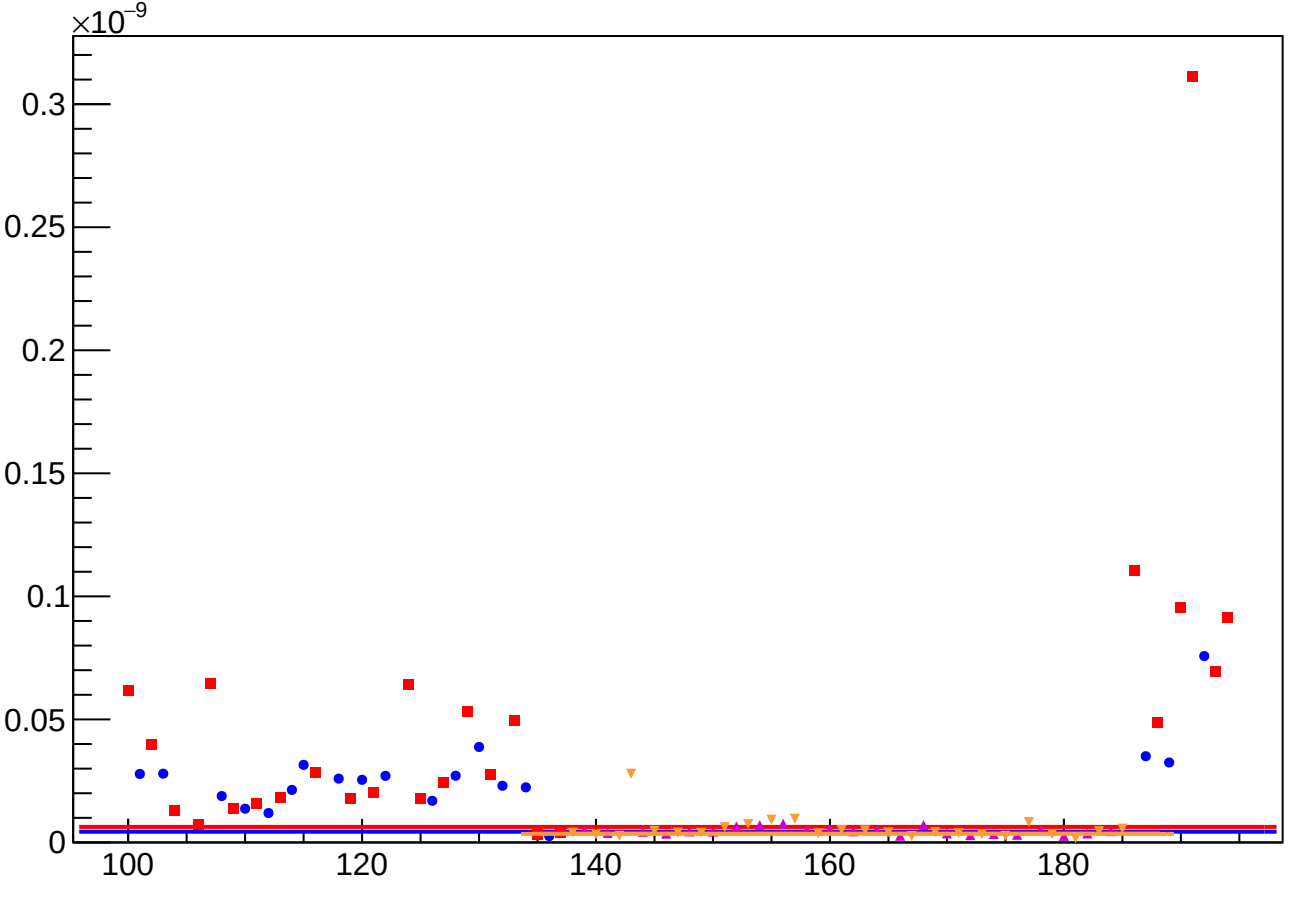
Right: -0.000+/-0.000 χ^2/NDF: 62.2/43

In: 0.000+/-0.000 χ^2/NDF:38.0/41

Out: 0.000+/-0.000 χ^2/NDF:76.3/49

All: 0.000+/-0.000 χ^2/NDF: 114.3/91

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6454980.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8146362.8/24

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

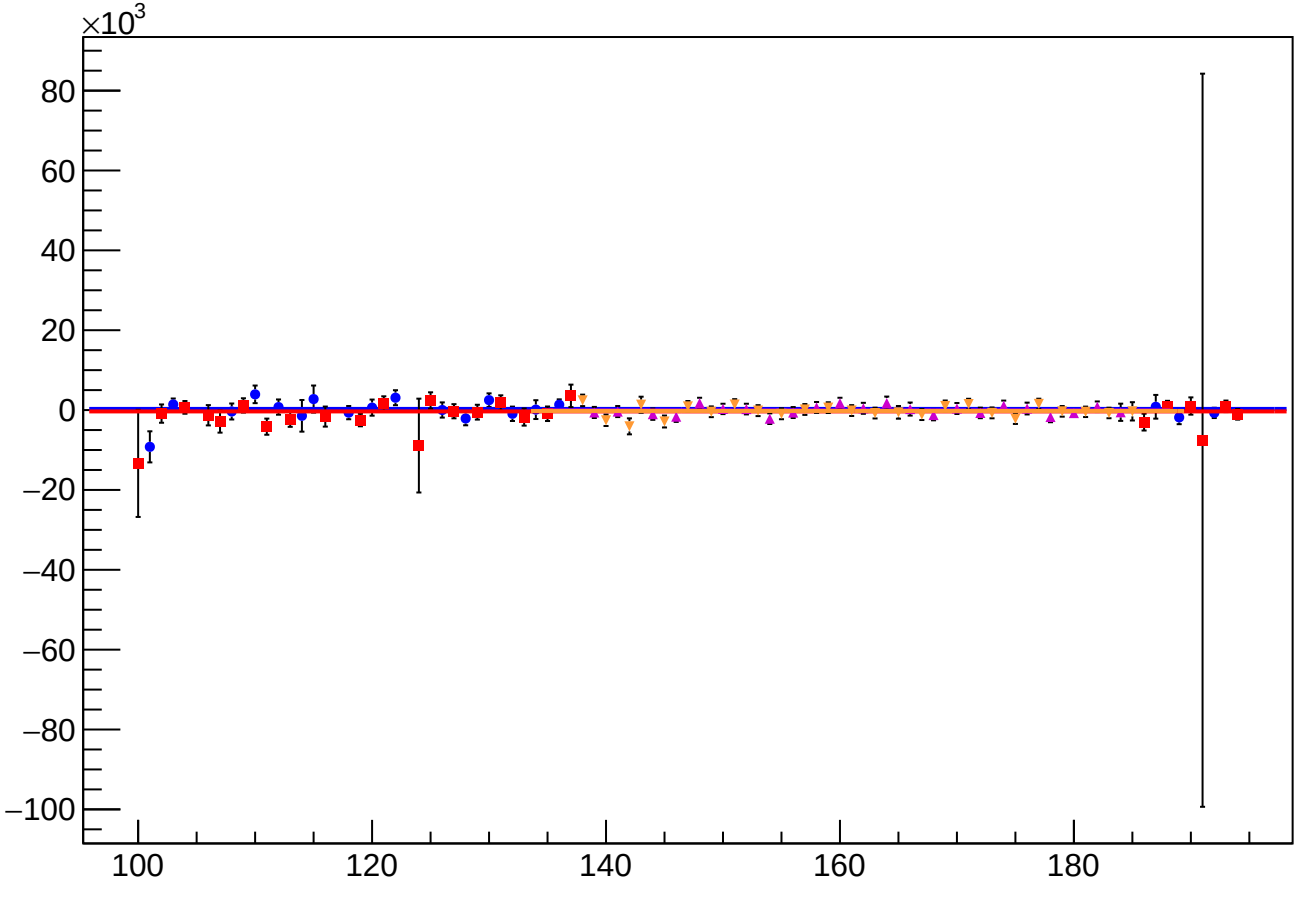
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 14861237.2/43

In: 0.000+/-0.000 χ^2/NDF:8553093.6/41

Out: 0.000+/-0.000 χ^2/NDF:13698019.1/49

All: 0.000+/-0.000 χ^2/NDF: 22360511.8/91



Right In: 291.182+/-432.155 χ^2/NDF: 19.6/18

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -336.374+/-396.306 χ^2/NDF: 21.0/24

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

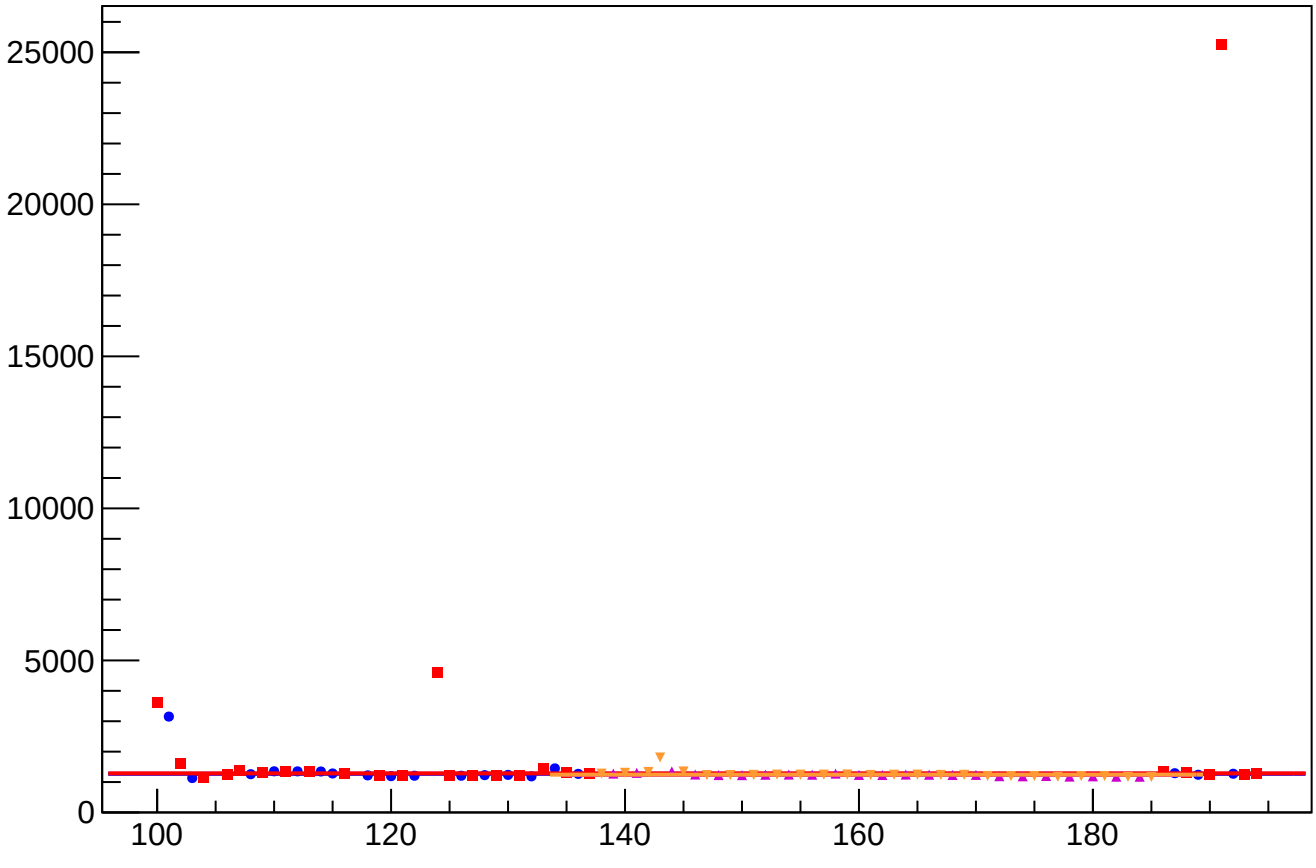
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -49.701+/-292.083 χ^2/NDF: 41.7/43

In: 25.689+/-239.782 χ^2/NDF:34.9/41

Out: -259.789+/-230.337 χ^2/NDF:44.9/49

All: -122.783+/-166.111 χ^2/NDF: 80.5/91



Right In: 1271.085+/-0.306 χ^2/NDF: 520096.4/18

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1285.519+/-0.280 χ^2/NDF: 467824.6/24

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

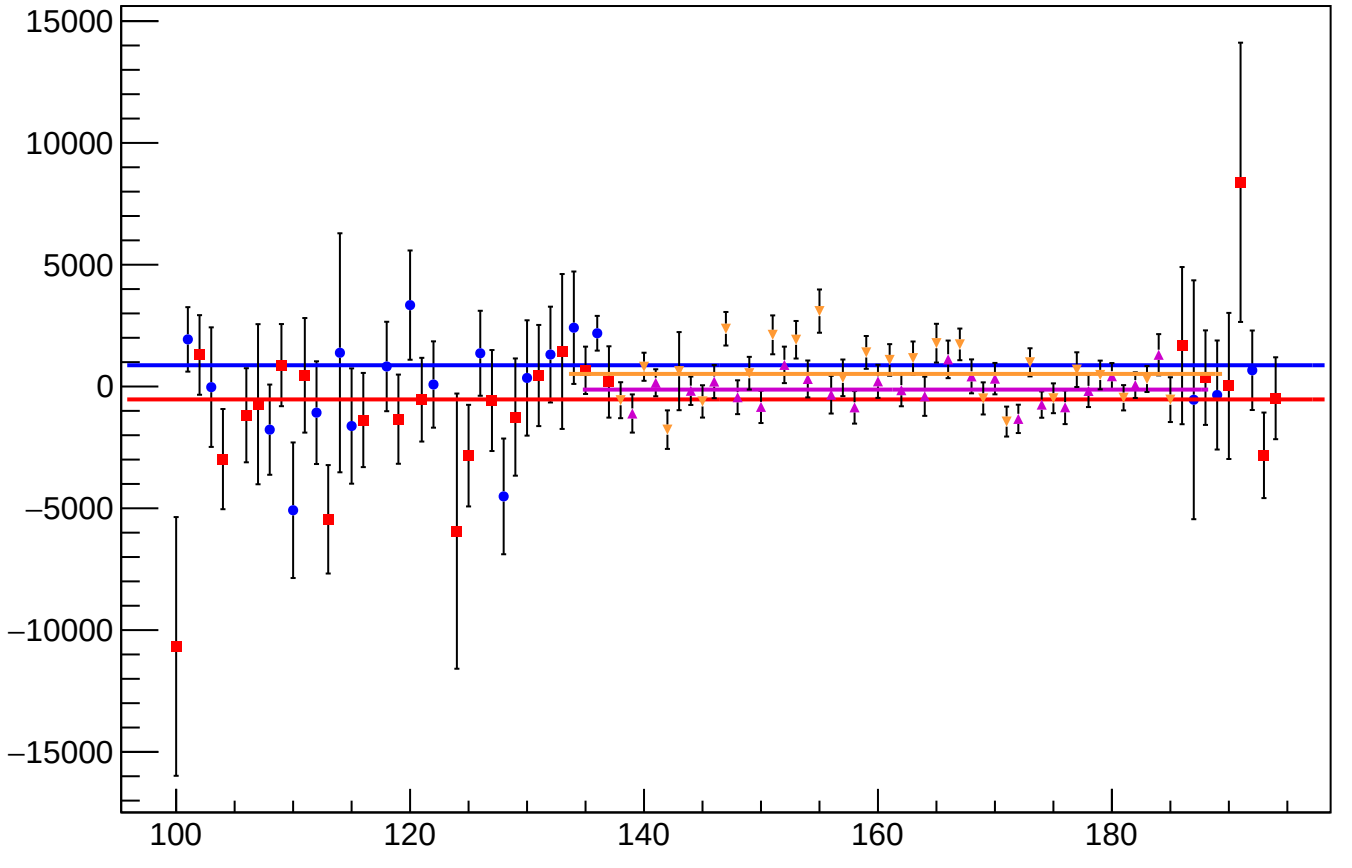
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1278.925+/-0.207 χ^2/NDF: 989133.0/43

In: 1245.245+/-0.170 χ^2/NDF:569708.5/41

Out: 1257.247+/-0.163 χ^2/NDF:686494.5/49

All: 1251.487+/-0.117 χ^2/NDF: 1258808.9/91



Right In: 872.801+/-403.848 χ^2/NDF: 20.3/18

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -529.973+/-396.869 χ^2/NDF: 22.0/24

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

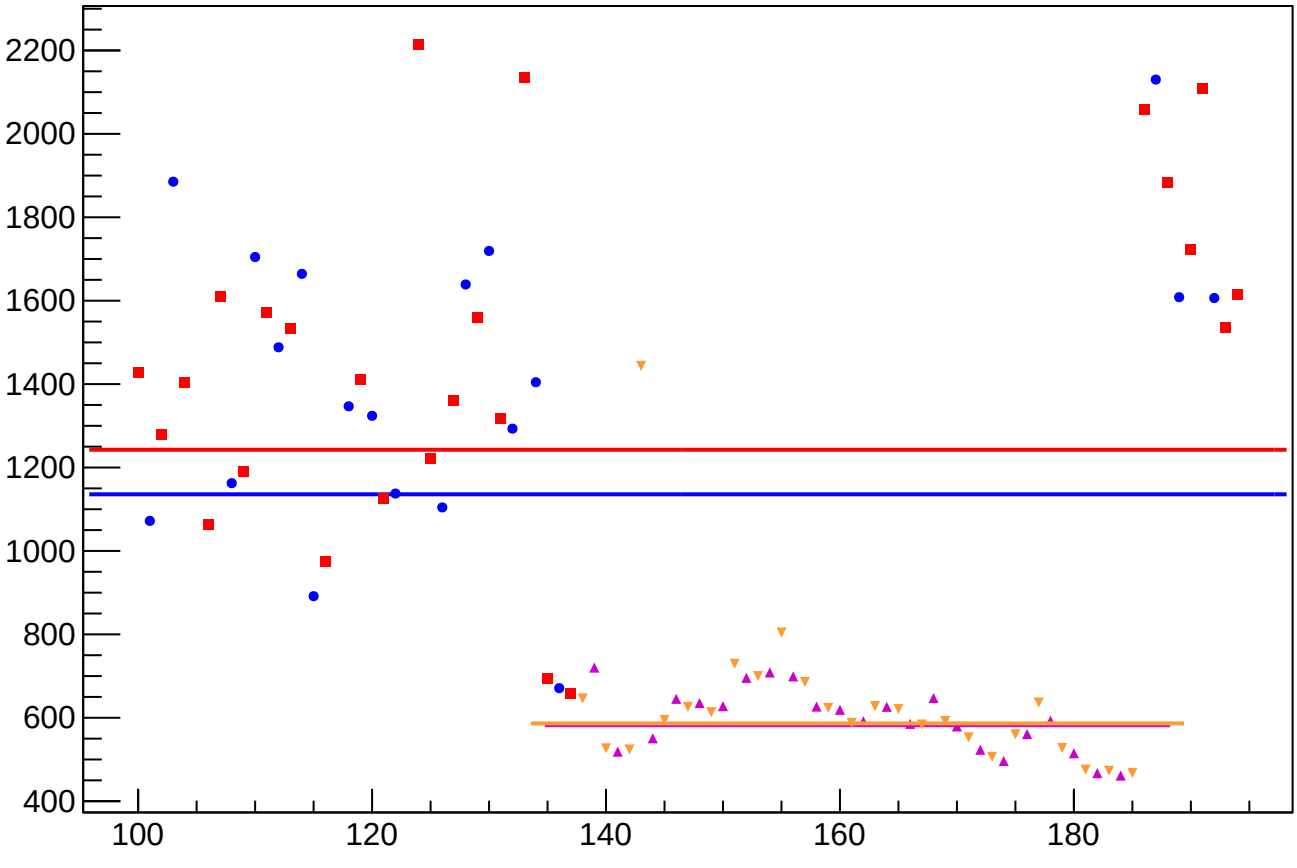
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 159.188+/-283.064 χ^2/NDF: 48.5/43

In: -23.070+/-129.964 χ^2/NDF:47.4/41

Out: 407.155+/-128.441 χ^2/NDF:95.3/49

All: 194.579+/-91.355 χ^2/NDF: 148.2/91



Right In: 1135.789+/-0.286 χ^2/NDF: 1855527.5/18

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1242.658+/-0.281 χ^2/NDF: 2009753.5/24

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

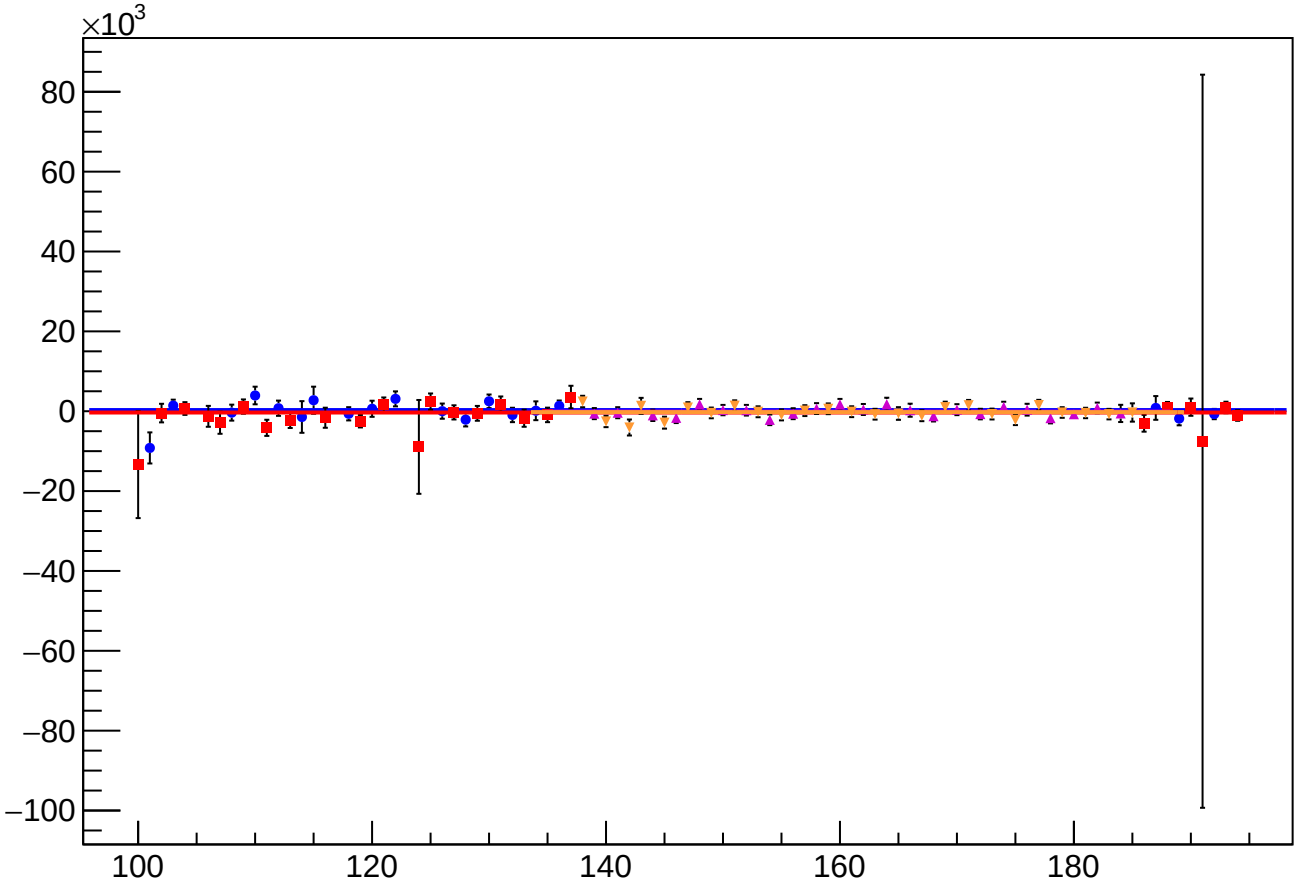
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1190.155+/-0.200 χ^2/NDF: 3936527.8/43

In: 639.523+/-0.092 χ^2/NDF:5783804.1/41

Out: 655.277+/-0.091 χ^2/NDF:8106242.0/49

All: 647.493+/-0.065 χ^2/NDF: 13904912.2/91



Right In: 291.450+/-432.155 χ^2/NDF: 19.6/18

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -322.039+/-396.764 χ^2/NDF: 20.9/24

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

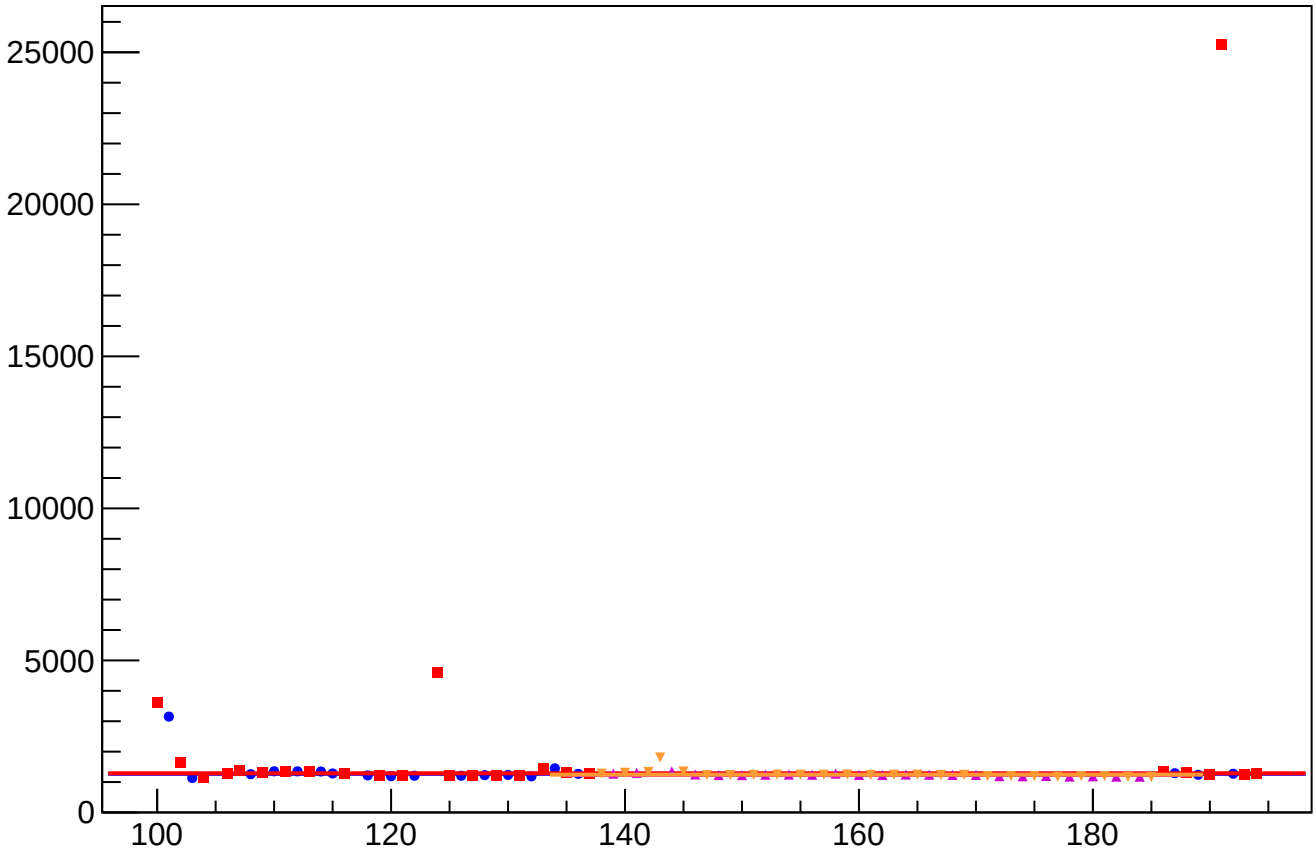
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -41.440+/-292.266 χ^2/NDF: 41.6/43

In: 25.723+/-239.782 χ^2/NDF:34.8/41

Out: -254.917+/-230.427 χ^2/NDF:44.9/49

All: -120.179+/-166.145 χ^2/NDF: 80.4/91



Right In: 1271.084+/-0.306 χ^2/NDF: 520097.8/18

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1287.082+/-0.281 χ^2/NDF: 474370.2/24

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

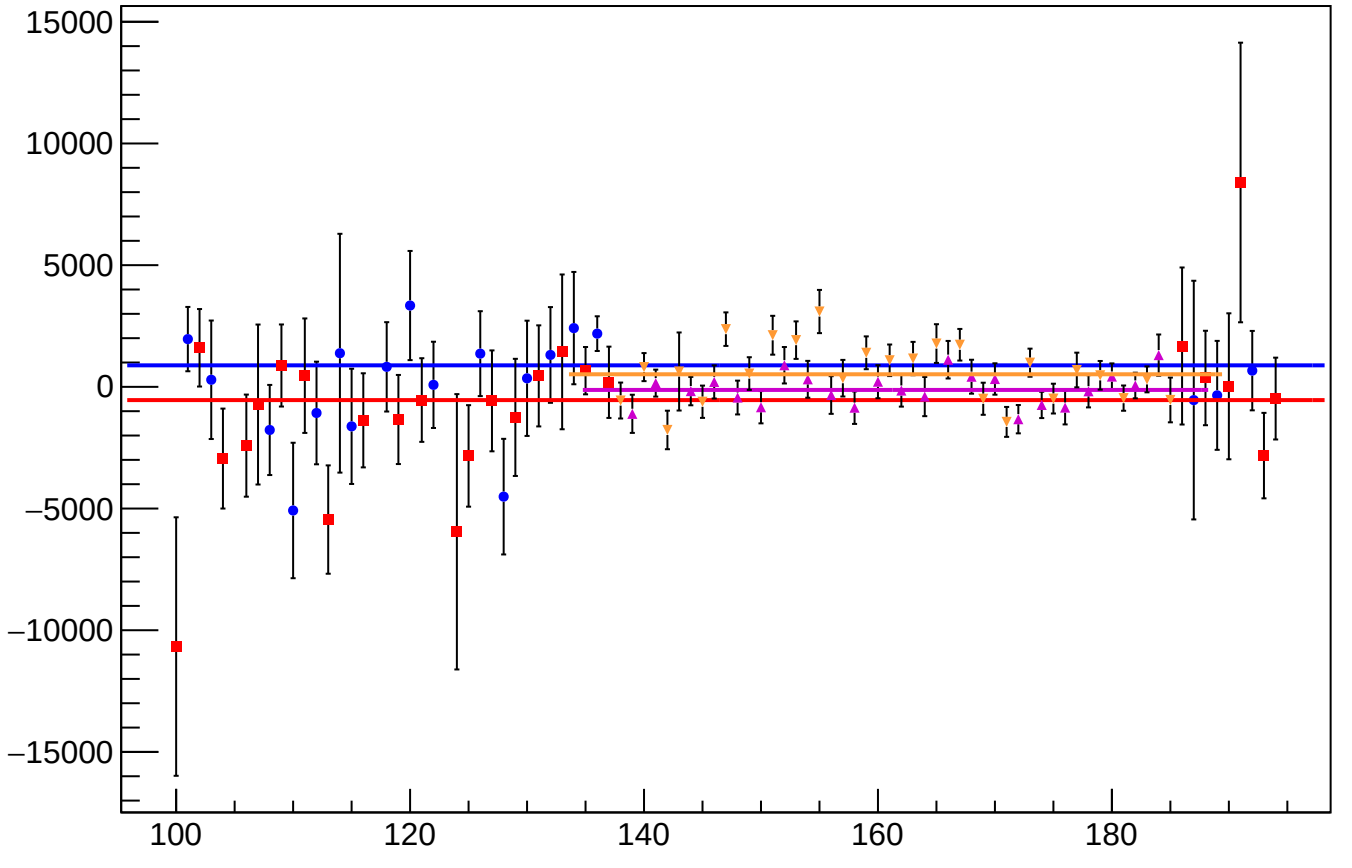
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1279.765+/-0.207 χ^2/NDF: 995955.1/43

In: 1245.245+/-0.170 χ^2/NDF:569709.8/41

Out: 1257.752+/-0.163 χ^2/NDF:694160.7/49

All: 1251.748+/-0.117 χ^2/NDF: 1266699.3/91



Right In: 883.994+/-403.698 χ^2/NDF: 20.3/18

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -544.117+/-397.499 χ^2/NDF: 23.2/24

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

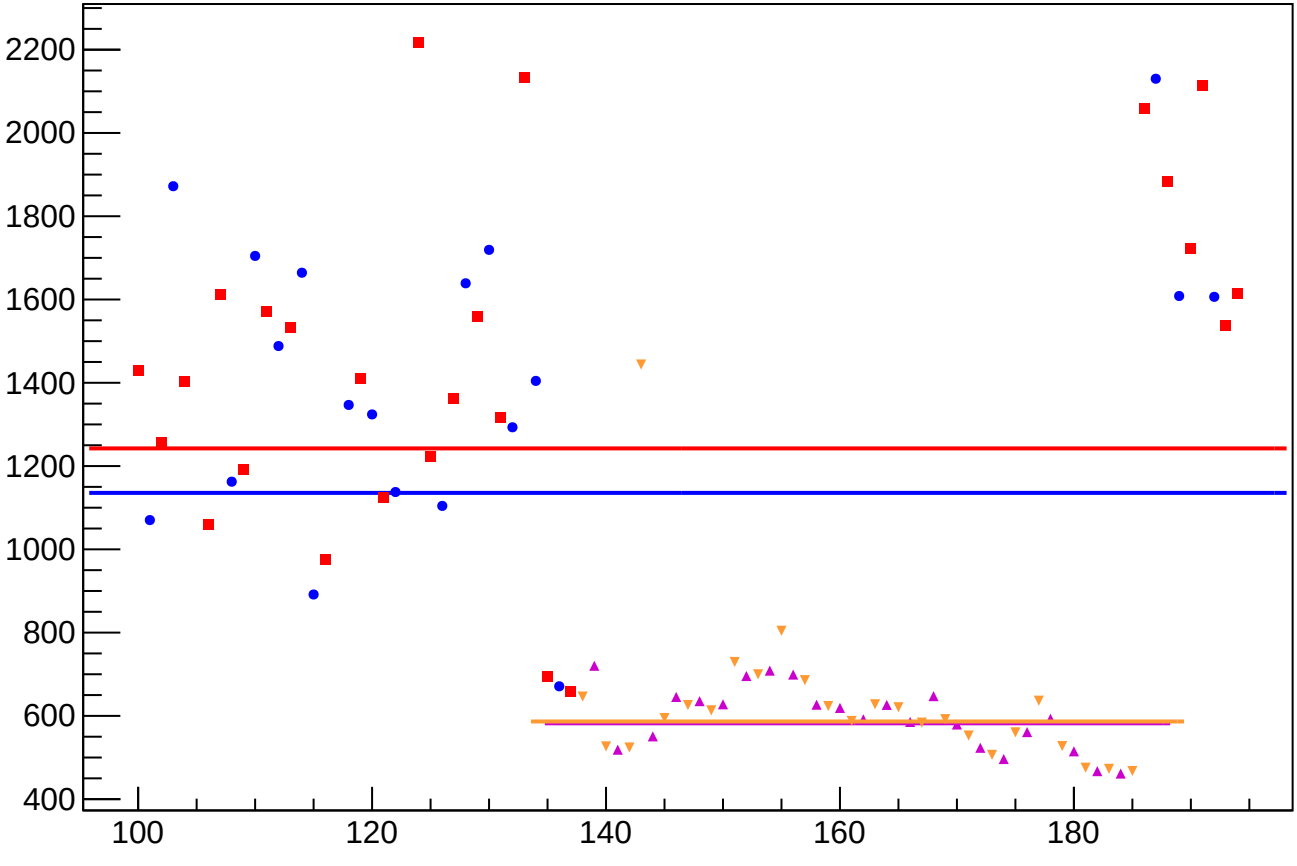
Right: 158.889+/-283.240 χ^2/NDF: 49.9/43

In: -21.824+/-129.959 χ^2/NDF:47.5/41

Out: 406.004+/-128.463 χ^2/NDF:96.6/49

All: 194.567+/-91.361 χ^2/NDF: 149.6/91

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1135.578+/-0.285 χ^2/NDF: 1852278.2/18

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1242.411+/-0.281 χ^2/NDF: 2007164.6/24

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

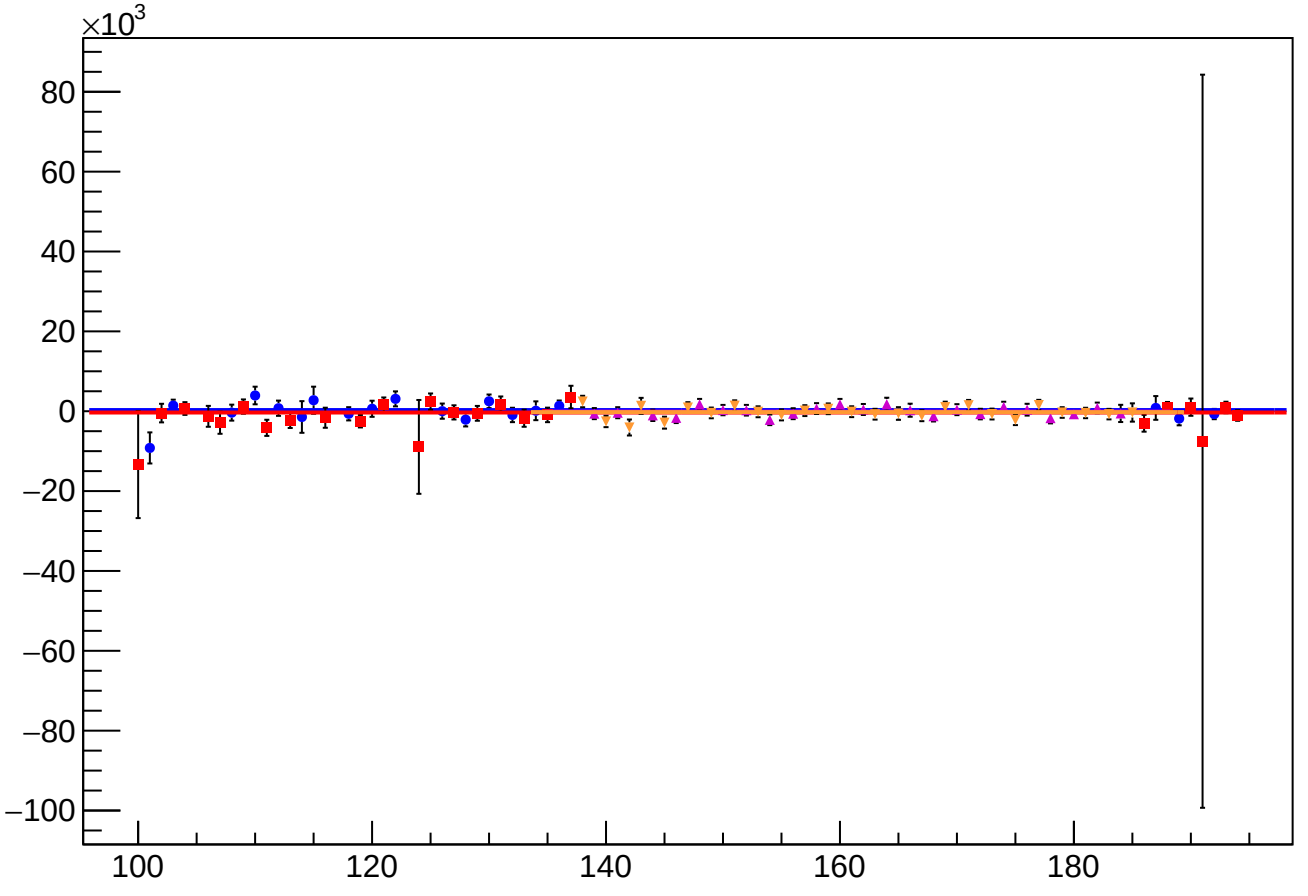
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1189.821+/-0.200 χ^2/NDF: 3930559.0/43

In: 639.538+/-0.092 χ^2/NDF:5780255.9/41

Out: 655.061+/-0.091 χ^2/NDF:8085942.7/49

All: 647.389+/-0.065 χ^2/NDF: 13880631.5/91



Right In: 291.450+/-432.155 χ^2/NDF: 19.6/18

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -322.039+/-396.764 χ^2/NDF: 20.9/24

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

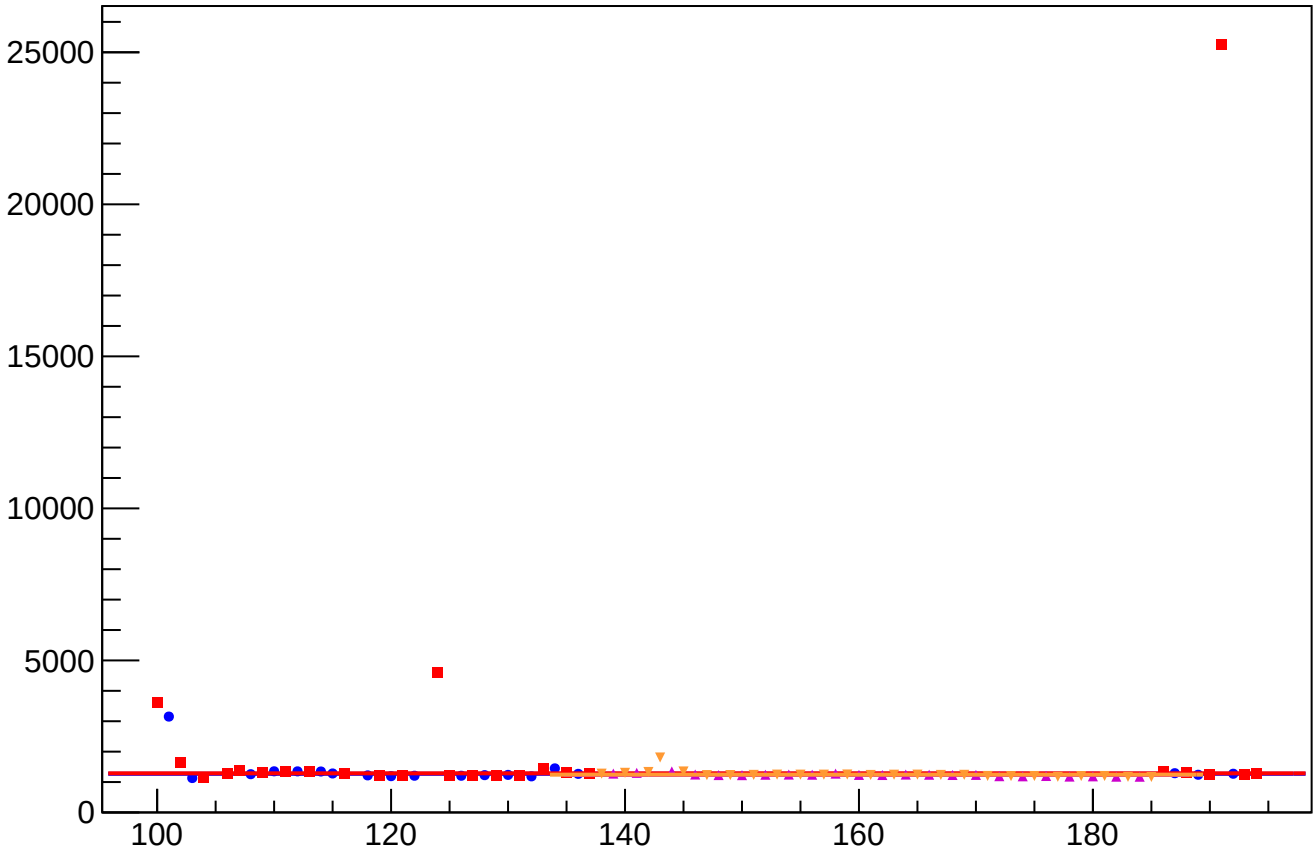
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -41.440+/-292.266 χ^2/NDF: 41.6/43

In: 25.723+/-239.782 χ^2/NDF:34.8/41

Out: -254.917+/-230.427 χ^2/NDF:44.9/49

All: -120.179+/-166.145 χ^2/NDF: 80.4/91



Right In: 1271.084+/-0.306 χ^2/NDF: 520097.8/18

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1287.082+/-0.281 χ^2/NDF: 474370.2/24

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

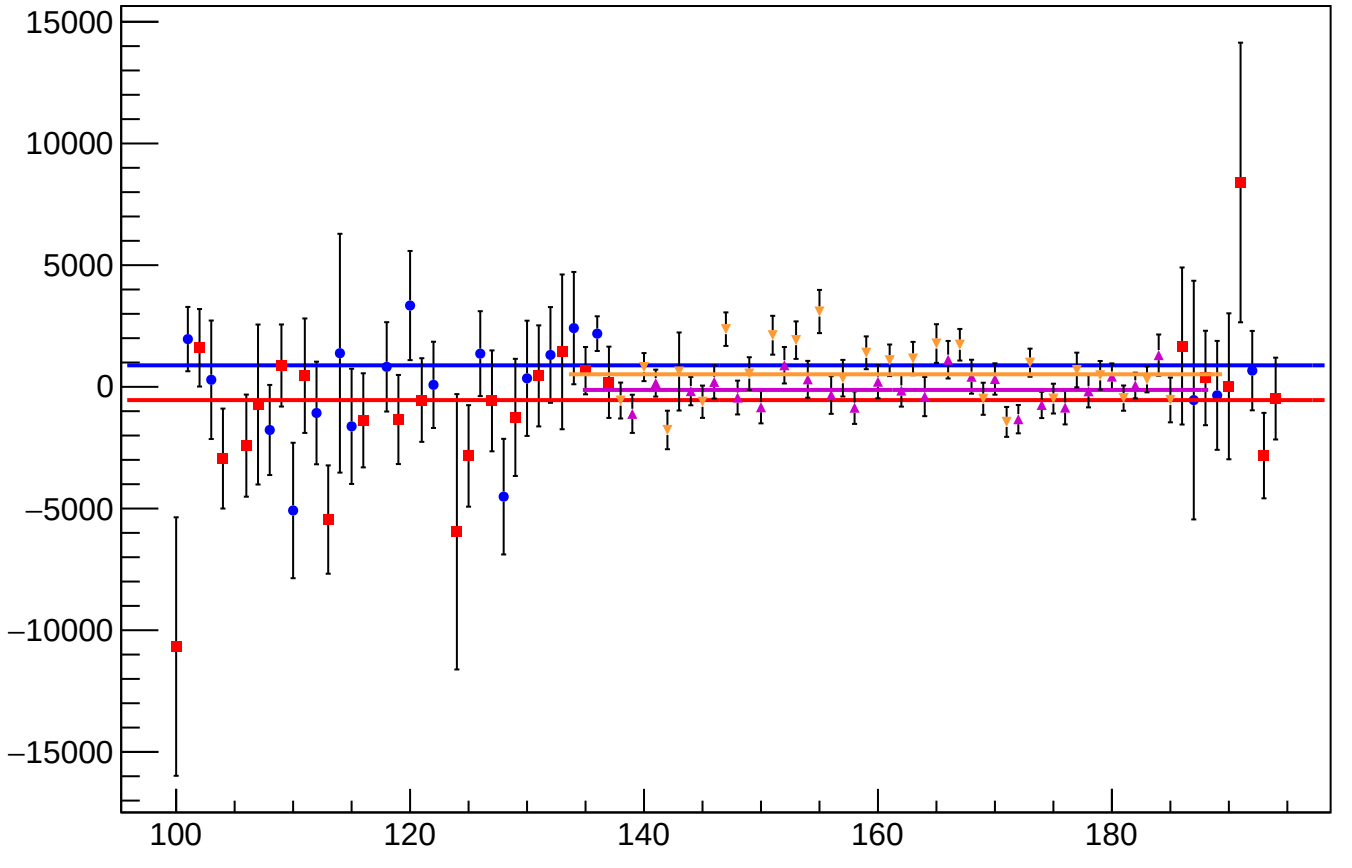
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1279.765+/-0.207 χ^2/NDF: 995955.1/43

In: 1245.245+/-0.170 χ^2/NDF:569709.8/41

Out: 1257.752+/-0.163 χ^2/NDF:694160.7/49

All: 1251.748+/-0.117 χ^2/NDF: 1266699.3/91



Right In: 883.994+/-403.698 χ^2/NDF: 20.3/18

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -544.117+/-397.499 χ^2/NDF: 23.2/24

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

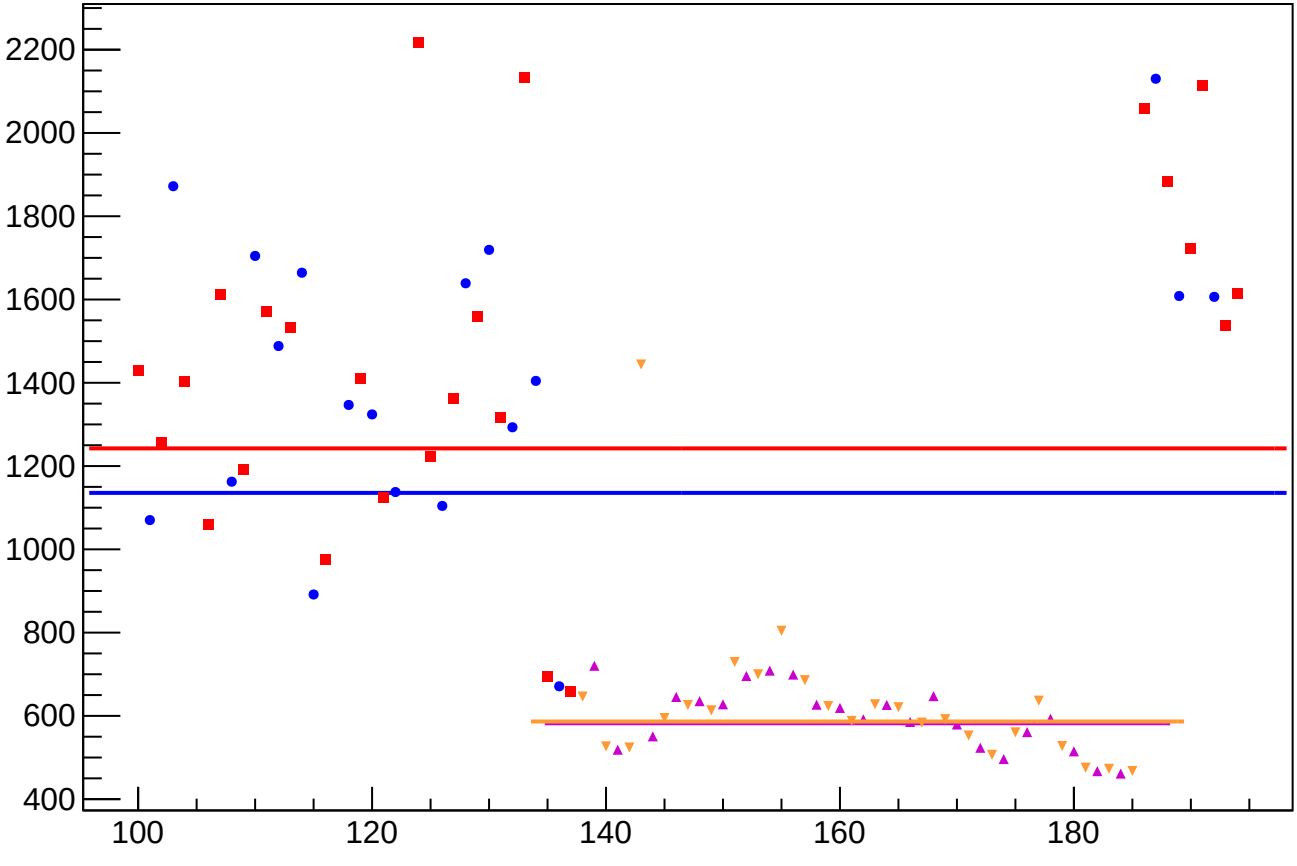
Right: 158.889+/-283.240 χ^2/NDF: 49.9/43

In: -21.824+/-129.959 χ^2/NDF:47.5/41

Out: 406.004+/-128.463 χ^2/NDF:96.6/49

All: 194.567+/-91.361 χ^2/NDF: 149.6/91

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1135.578+/-0.285 χ^2/NDF: 1852278.2/18

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1242.411+/-0.281 χ^2/NDF: 2007164.6/24

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

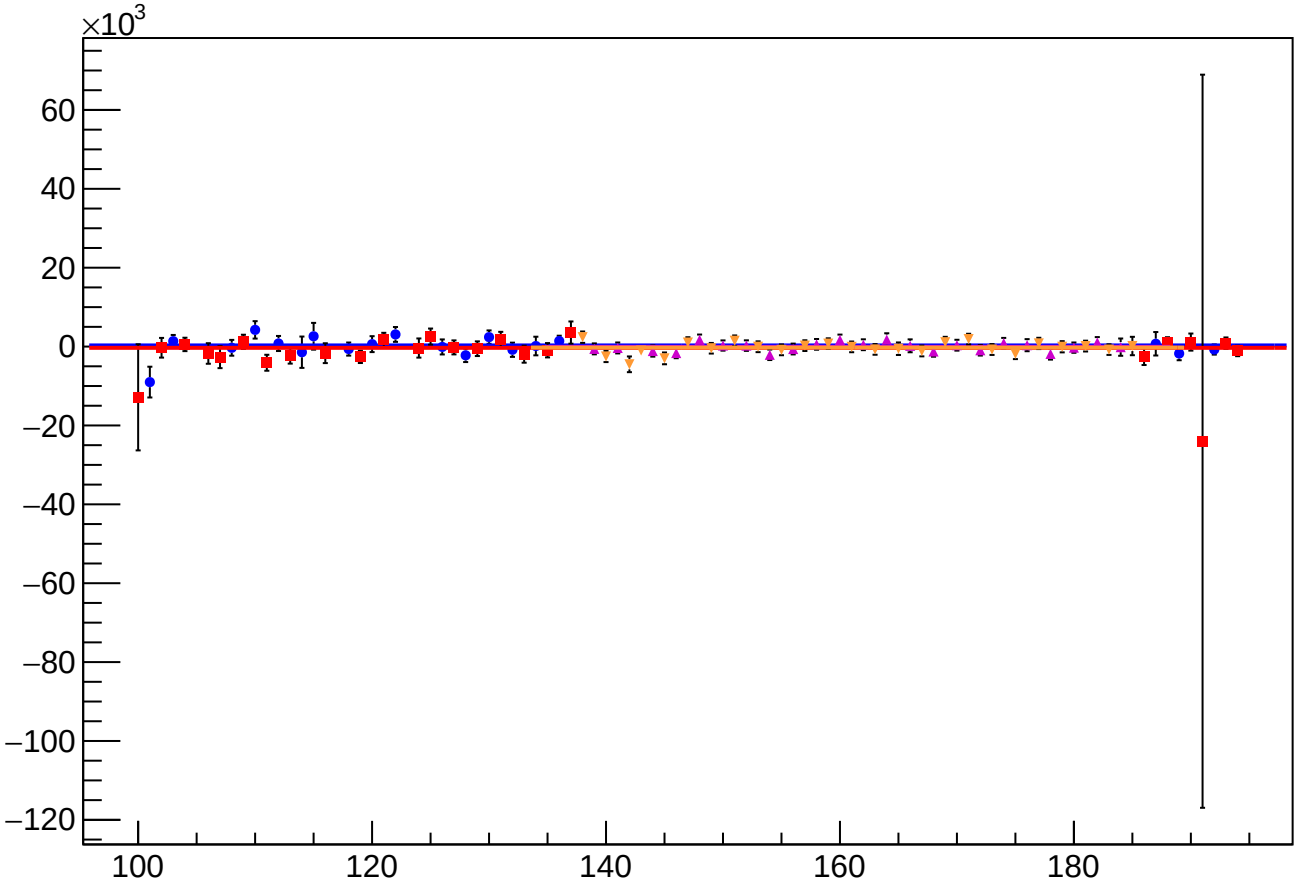
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1189.821+/-0.200 χ^2/NDF: 3930559.0/43

In: 639.538+/-0.092 χ^2/NDF:5780255.9/41

Out: 655.061+/-0.091 χ^2/NDF:8085942.7/49

All: 647.389+/-0.065 χ^2/NDF: 13880631.5/91



Right In: 288.994+/-434.428 χ^2/NDF: 19.6/18

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -316.862+/-394.407 χ^2/NDF: 20.4/24

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

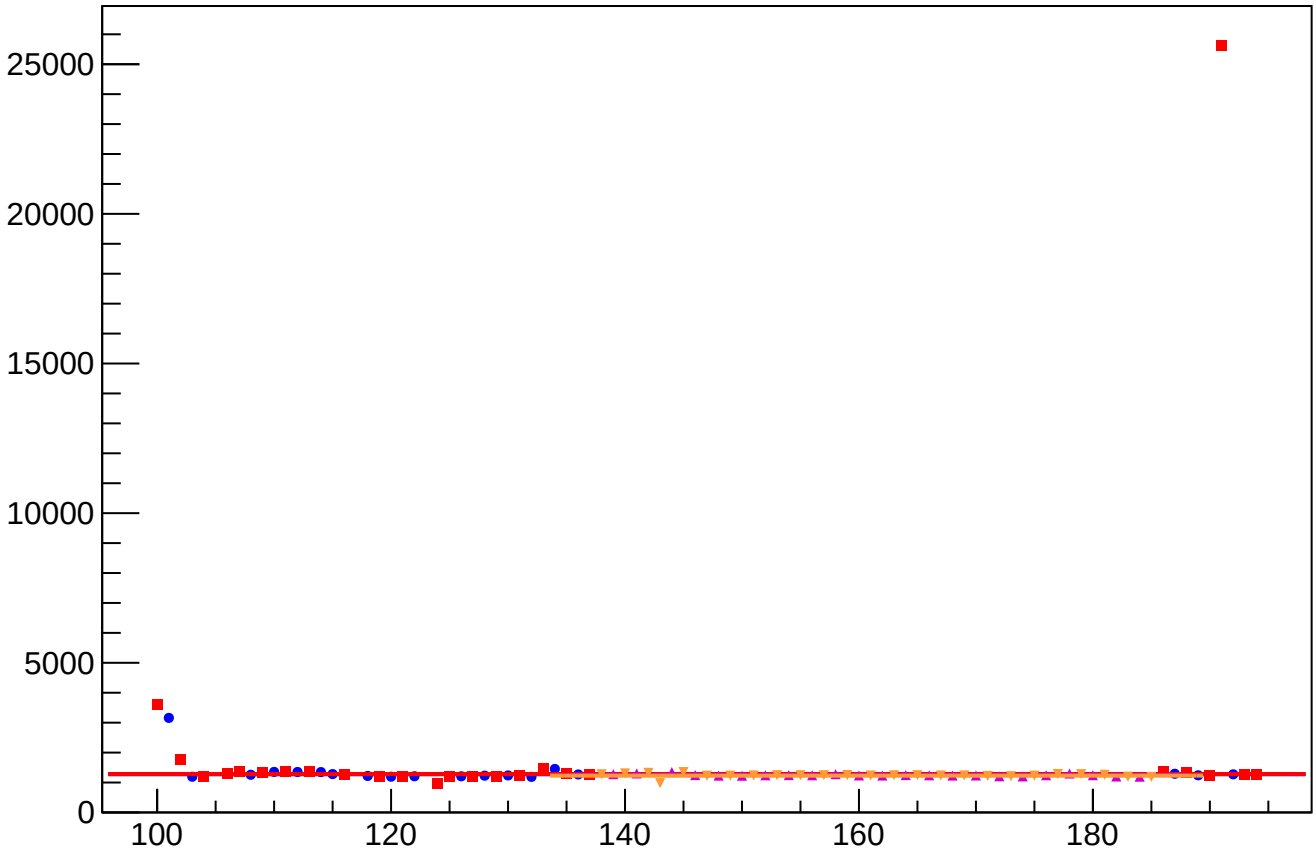
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -43.120+/-292.014 χ^2/NDF: 41.1/43

In: 38.064+/-242.034 χ^2/NDF:34.1/41

Out: -272.962+/-228.273 χ^2/NDF:44.5/49

All: -126.541+/-166.065 χ^2/NDF: 79.4/91



Right In: 1278.177+/-0.307 χ^2/NDF: 508172.4/18

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1282.342+/-0.279 χ^2/NDF: 368347.1/24

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

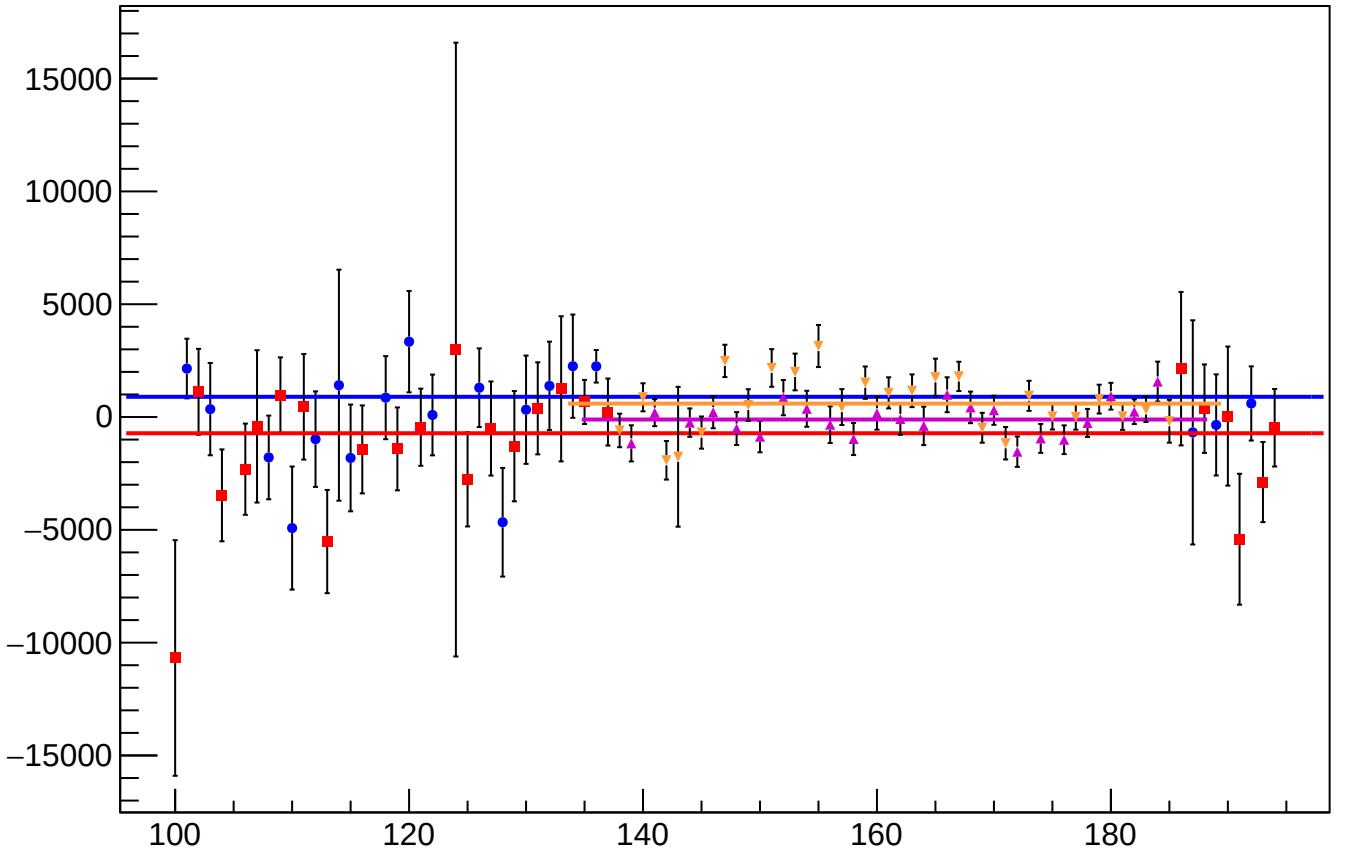
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1280.461+/-0.206 χ^2/NDF: 876620.3/43

In: 1257.219+/-0.171 χ^2/NDF:542263.4/41

Out: 1247.525+/-0.161 χ^2/NDF:533392.2/49

All: 1252.088+/-0.117 χ^2/NDF: 1077353.7/91



Right In: 896.164+/-403.558 χ^2/NDF: 20.9/18

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -718.604+/-401.132 χ^2/NDF: 22.4/24

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

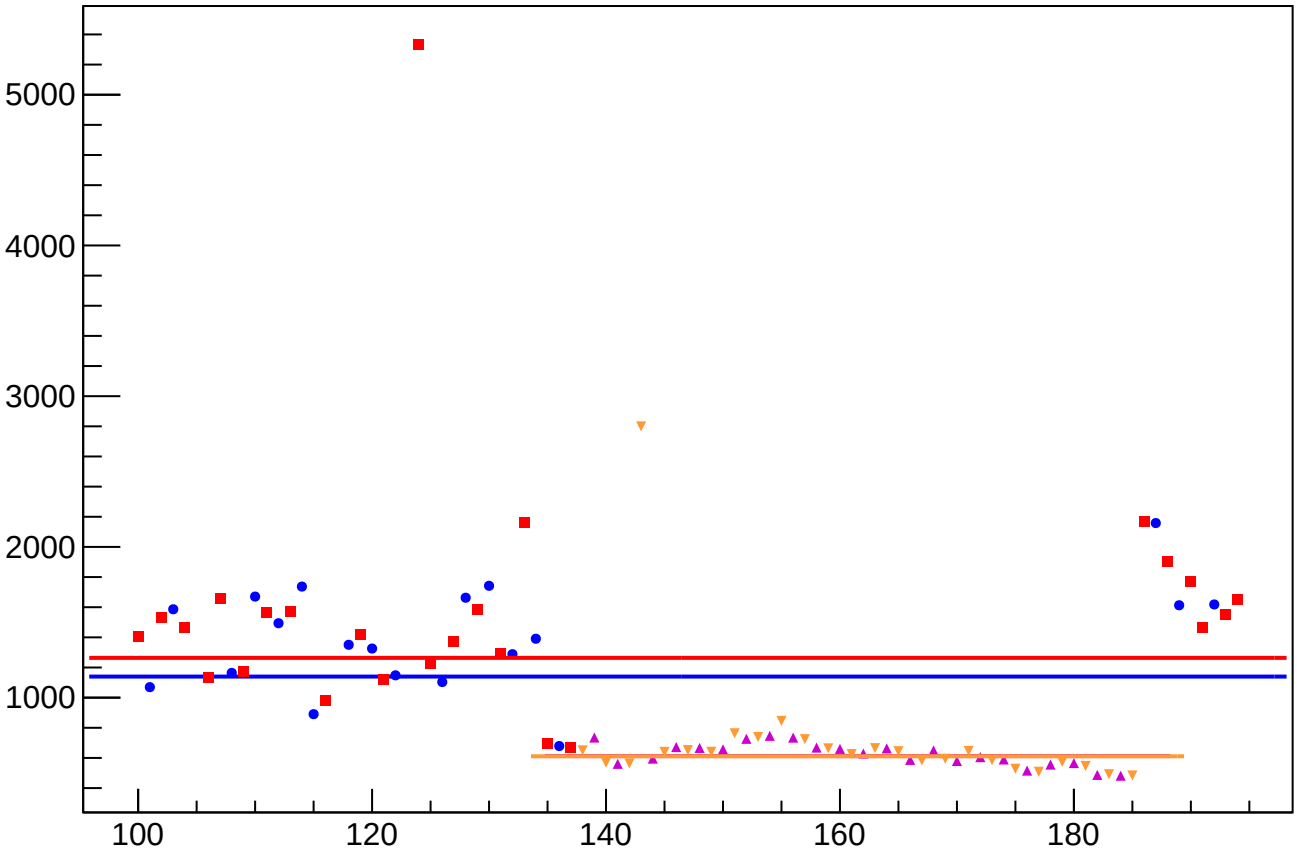
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 83.911+/-284.497 χ^2/NDF: 51.4/43

In: 3.742+/-135.818 χ^2/NDF:52.2/41

Out: 448.478+/-133.969 χ^2/NDF:89.2/49

All: 229.158+/-95.378 χ^2/NDF: 146.8/91



Right In: 1139.838+/-0.285 χ^2/NDF: 1738071.5/18

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1263.918+/-0.284 χ^2/NDF: 2179203.0/24

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

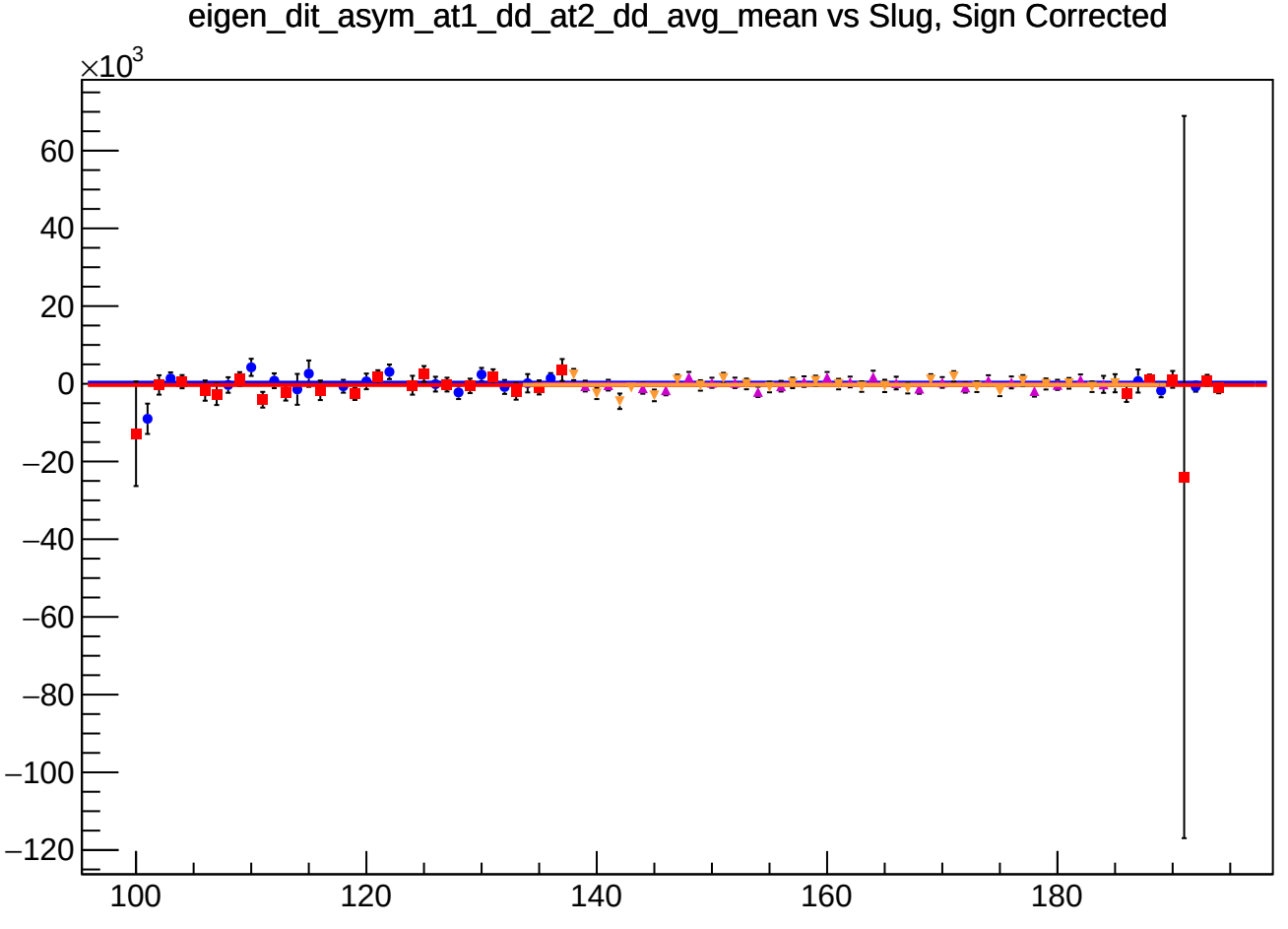
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1202.252+/-0.201 χ^2/NDF: 4012379.4/43

In: 672.141+/-0.096 χ^2/NDF:5276051.9/41

Out: 683.904+/-0.095 χ^2/NDF:8504987.1/49

All: 678.103+/-0.067 χ^2/NDF: 13788643.9/91



Right In: 288.996+/-434.428 χ^2/NDF: 19.6/18

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -316.861+/-394.407 χ^2/NDF: 20.4/24

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

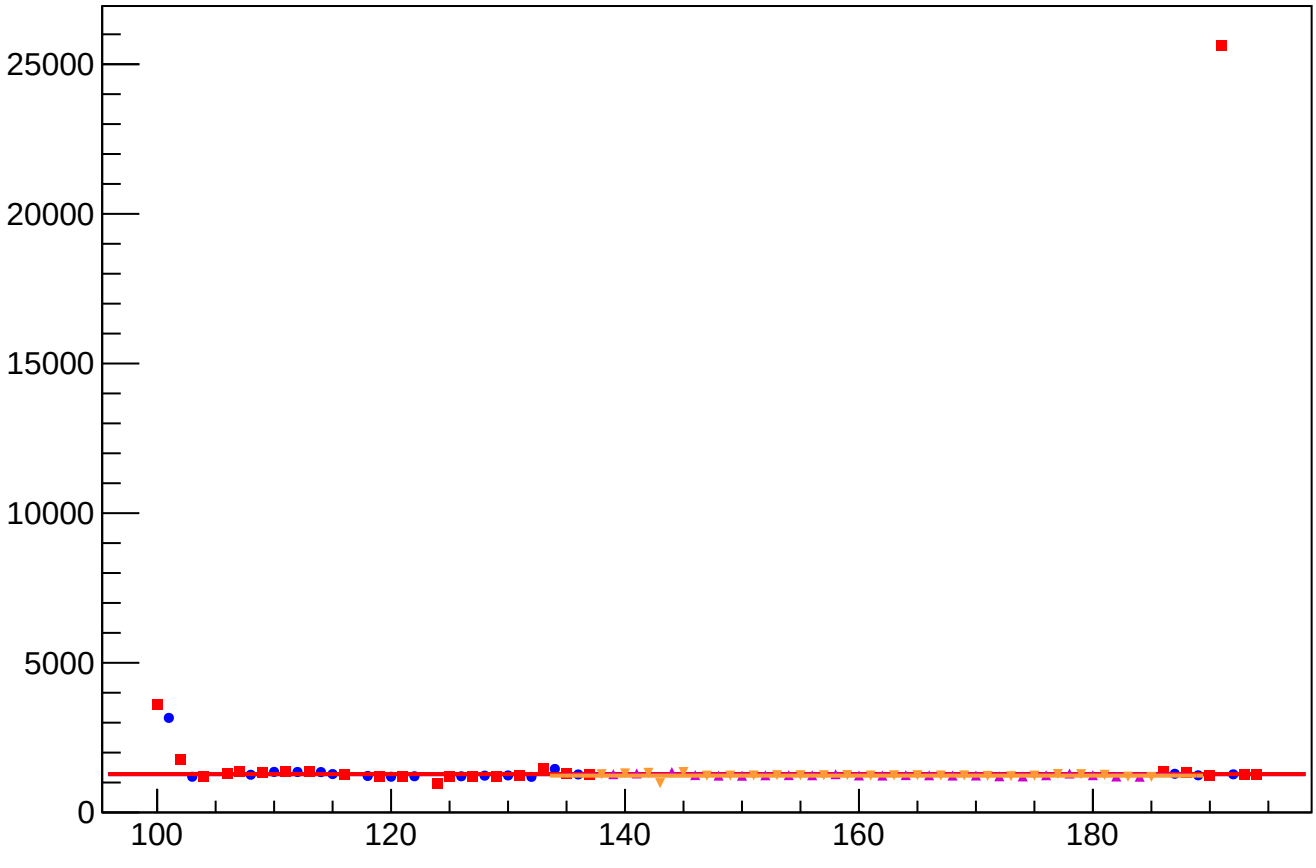
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -43.119+/-292.014 χ^2/NDF: 41.1/43

In: 38.065+/-242.034 χ^2/NDF:34.1/41

Out: -272.963+/-228.273 χ^2/NDF:44.5/49

All: -126.541+/-166.065 χ^2/NDF: 79.4/91



Right In: 1278.177+/-0.307 χ^2/NDF: 508172.5/18

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1282.342+/-0.279 χ^2/NDF: 368347.1/24

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

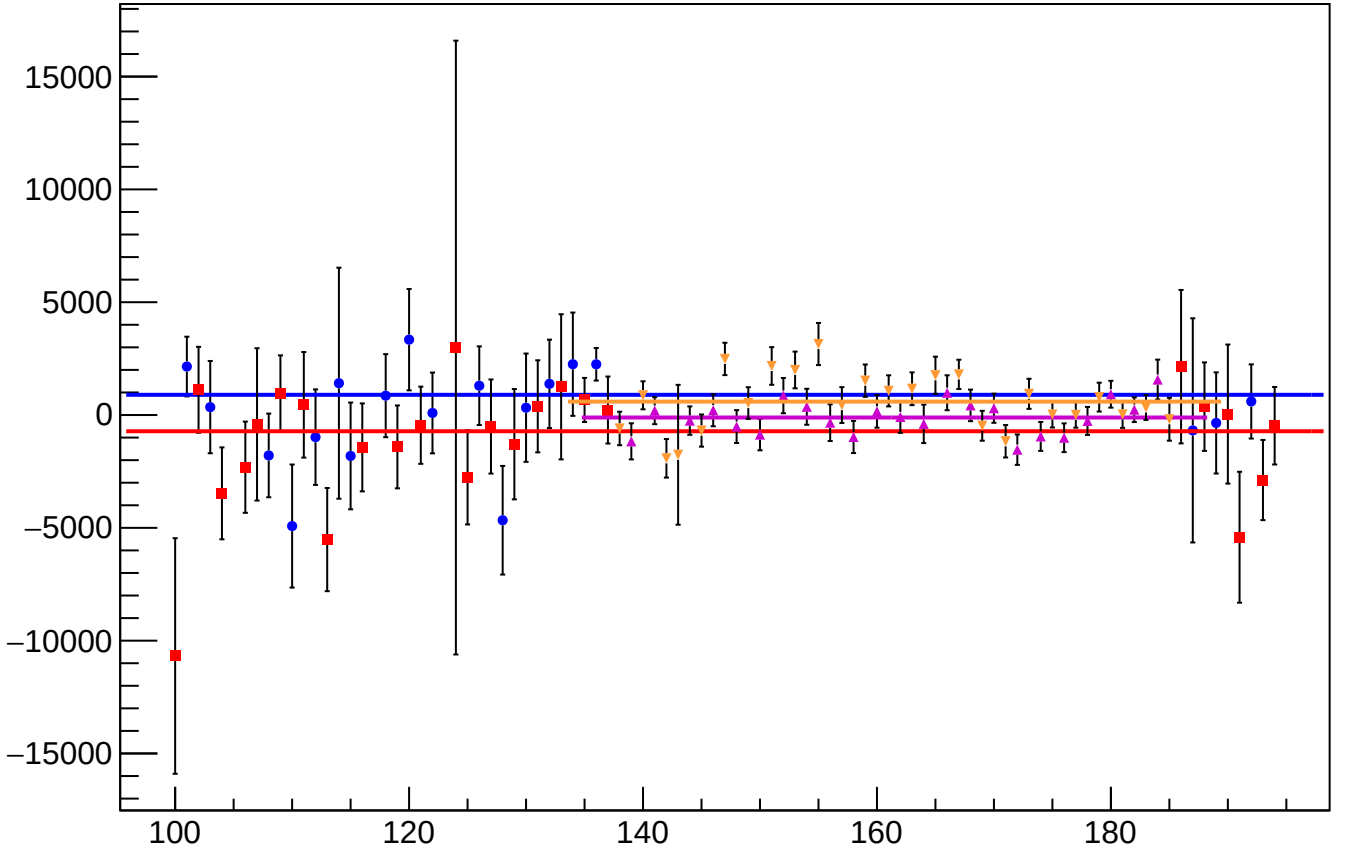
Right: 1280.460+/-0.206 χ^2/NDF: 876620.4/43

In: 1257.219+/-0.171 χ^2/NDF:542263.5/41

Out: 1247.525+/-0.161 χ^2/NDF:533391.2/49

All: 1252.088+/-0.117 χ^2/NDF: 1077352.7/91

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 896.158+/-403.560 χ^2/NDF: 20.9/18

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -718.614+/-401.133 χ^2/NDF: 22.4/24

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

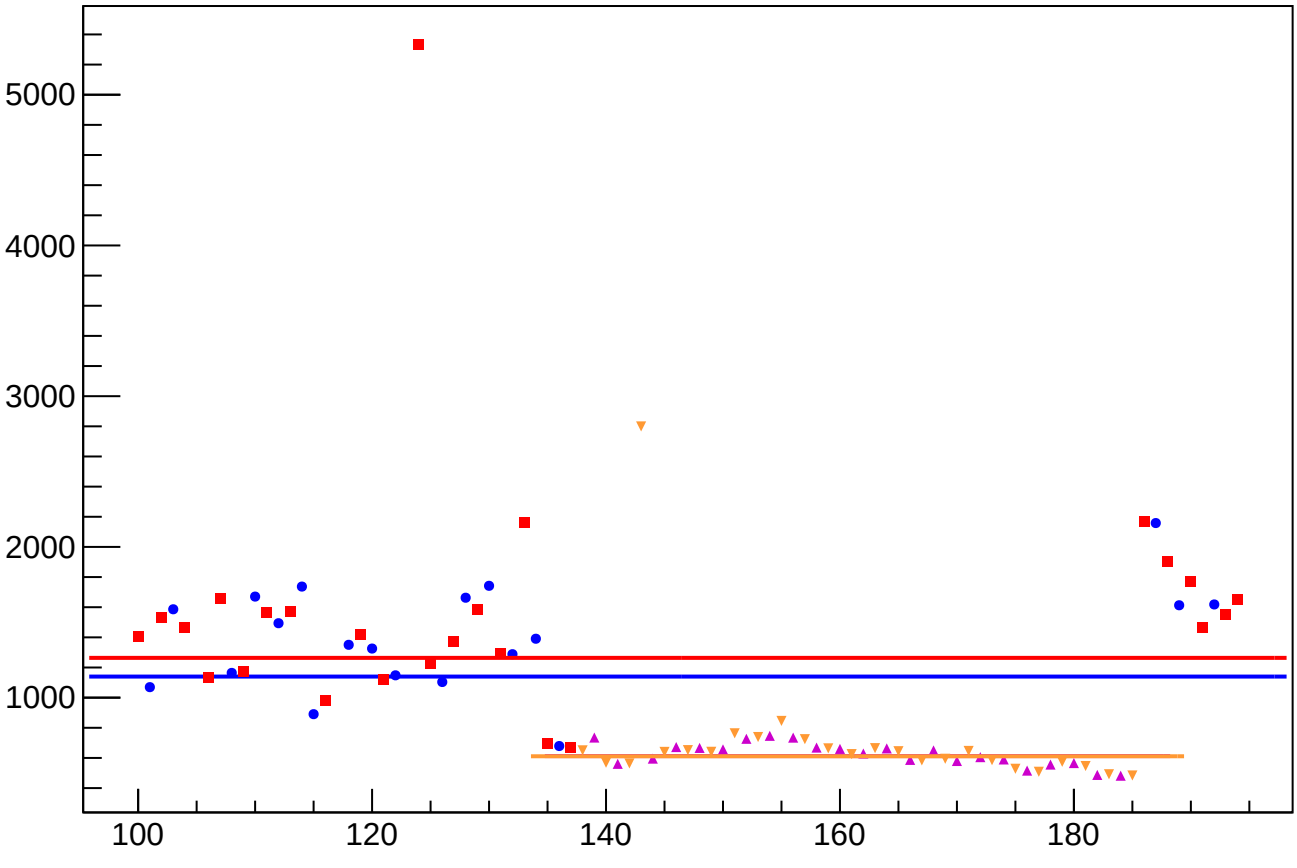
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 83.903+/-284.498 χ^2/NDF: 51.4/43

In: 3.742+/-135.818 χ^2/NDF:52.2/41

Out: 448.478+/-133.969 χ^2/NDF:89.2/49

All: 229.158+/-95.378 χ^2/NDF: 146.8/91



Right In: 1139.844+/-0.285 χ^2/NDF: 1738002.8/18

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1263.924+/-0.284 χ^2/NDF: 2179131.5/24

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

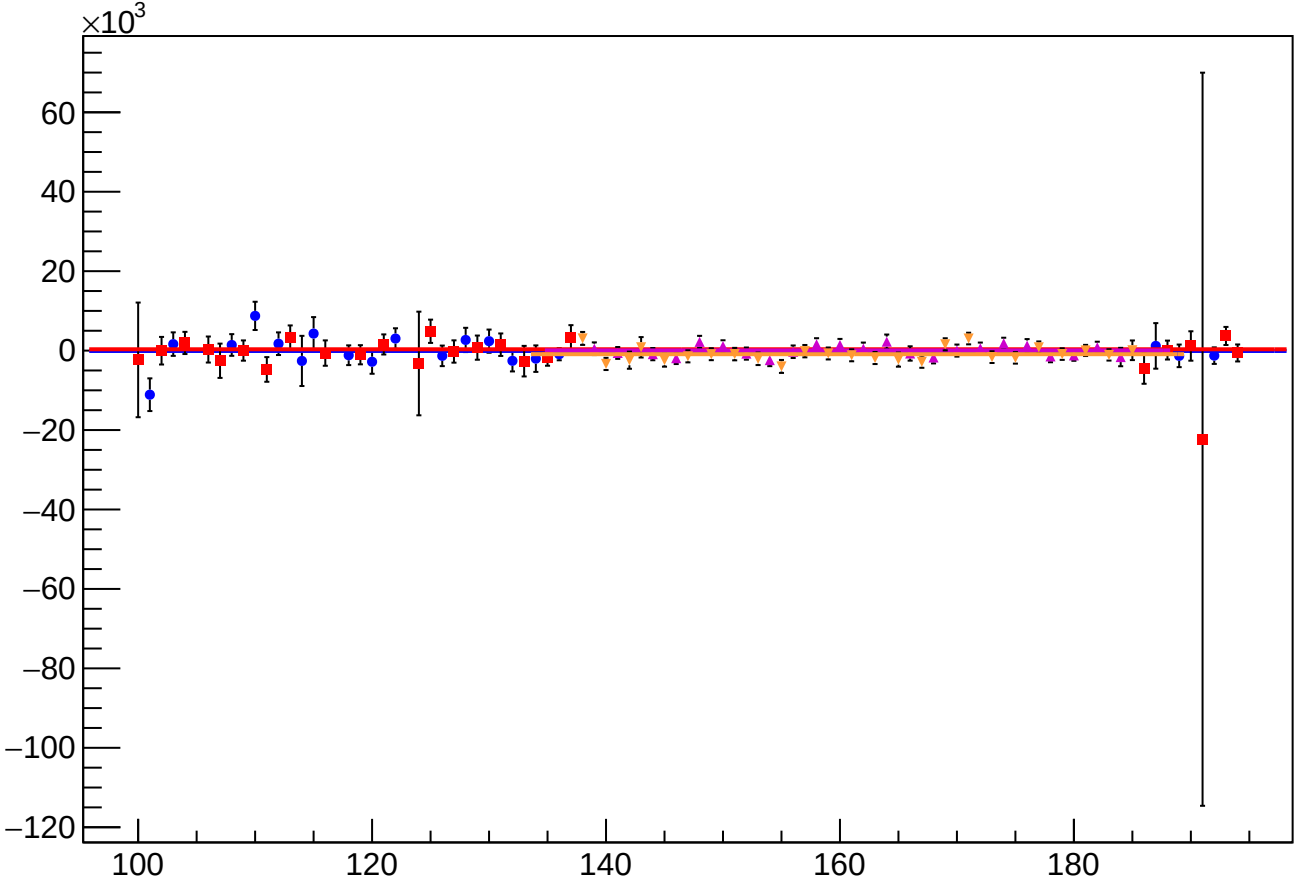
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1202.258+/-0.201 χ^2/NDF: 4012238.9/43

In: 672.140+/-0.096 χ^2/NDF:5276046.0/41

Out: 683.905+/-0.095 χ^2/NDF:8504980.3/49

All: 678.103+/-0.067 χ^2/NDF: 13788631.8/91



Right In: -87.495+/-641.330 χ^2/NDF: 21.9/18

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 335.810+/-600.826 χ^2/NDF: 14.4/24

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

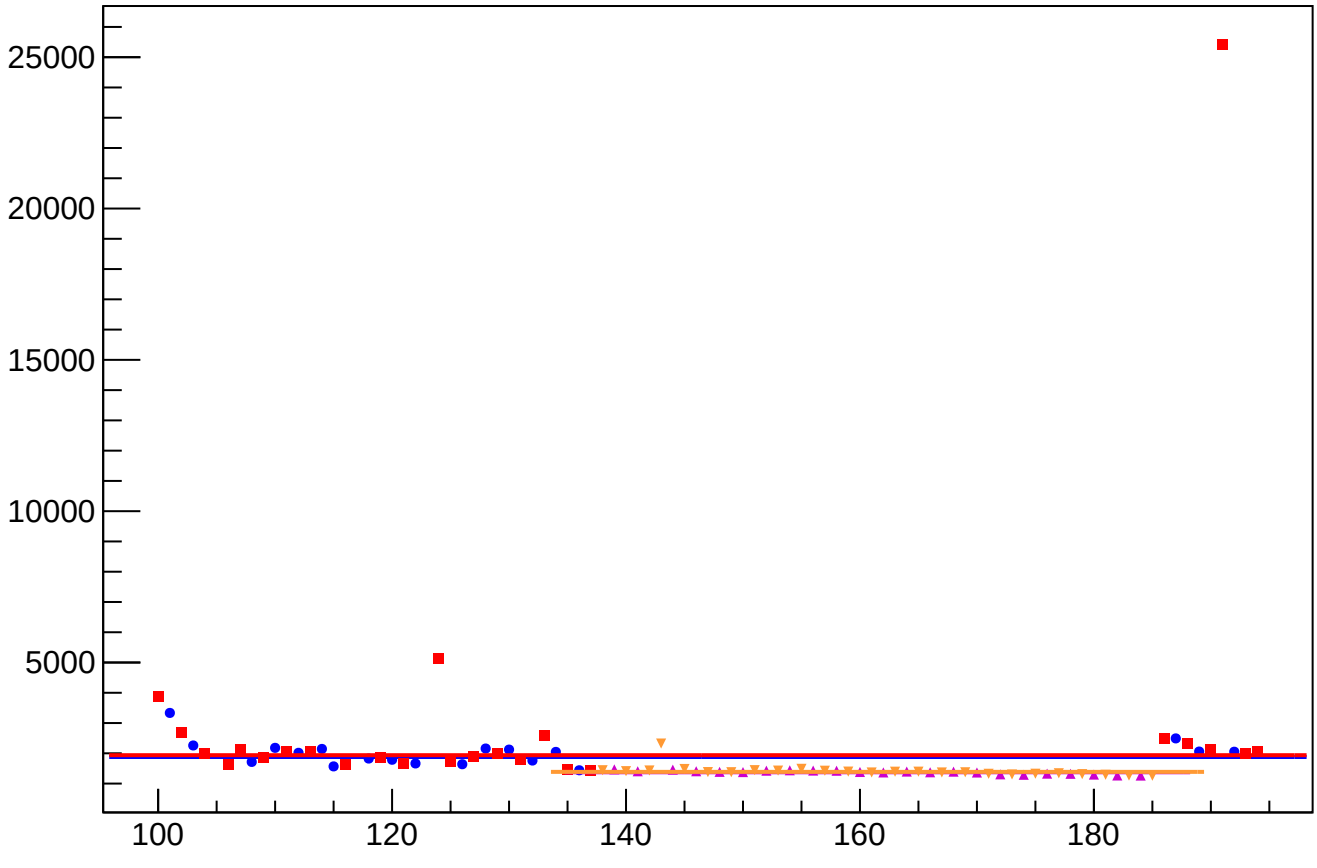
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: 137.946+/-438.469 χ^2/NDF: 36.5/43

In: 21.007+/-287.000 χ^2/NDF:39.8/41

Out: -631.548+/-279.988 χ^2/NDF:47.5/49

All: -313.339+/-200.415 χ^2/NDF: 90.0/91



Right In: 1878.628+/-0.453 χ^2/NDF: 607888.3/18

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1937.680+/-0.425 χ^2/NDF: 783082.2/24

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

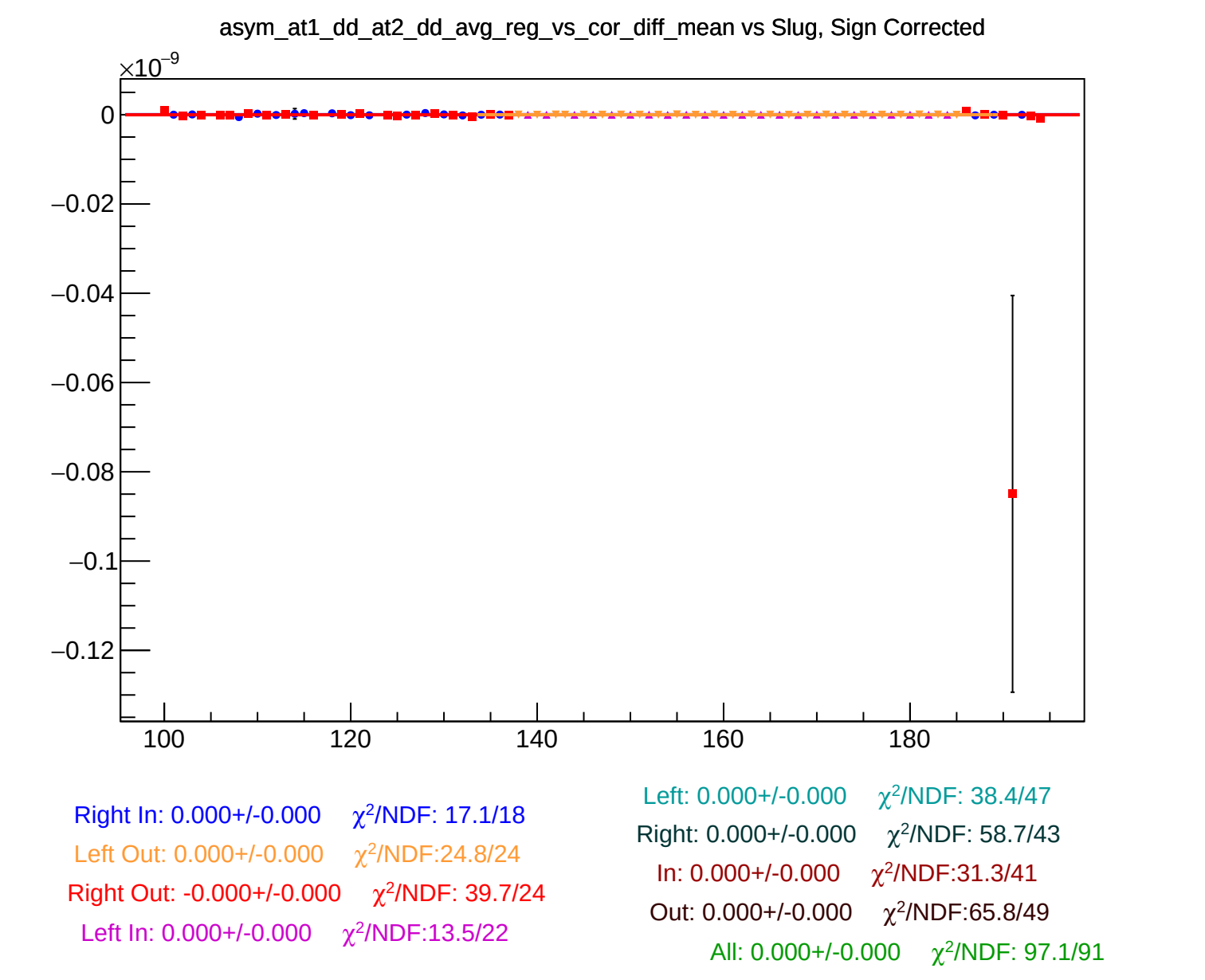
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

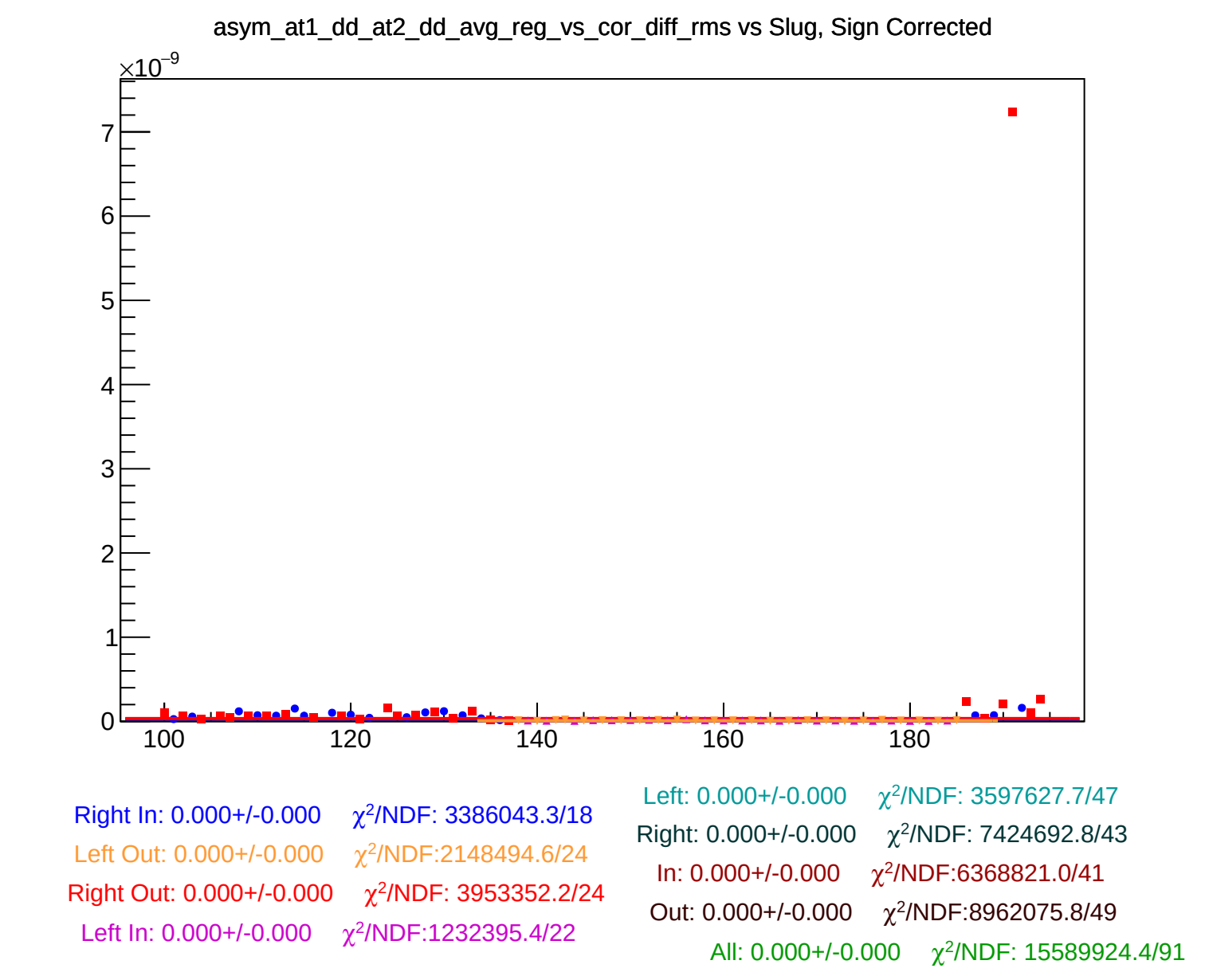
Right: 1910.077+/-0.310 χ^2/NDF: 1400001.1/43

In: 1474.432+/-0.203 χ^2/NDF:1665711.6/41

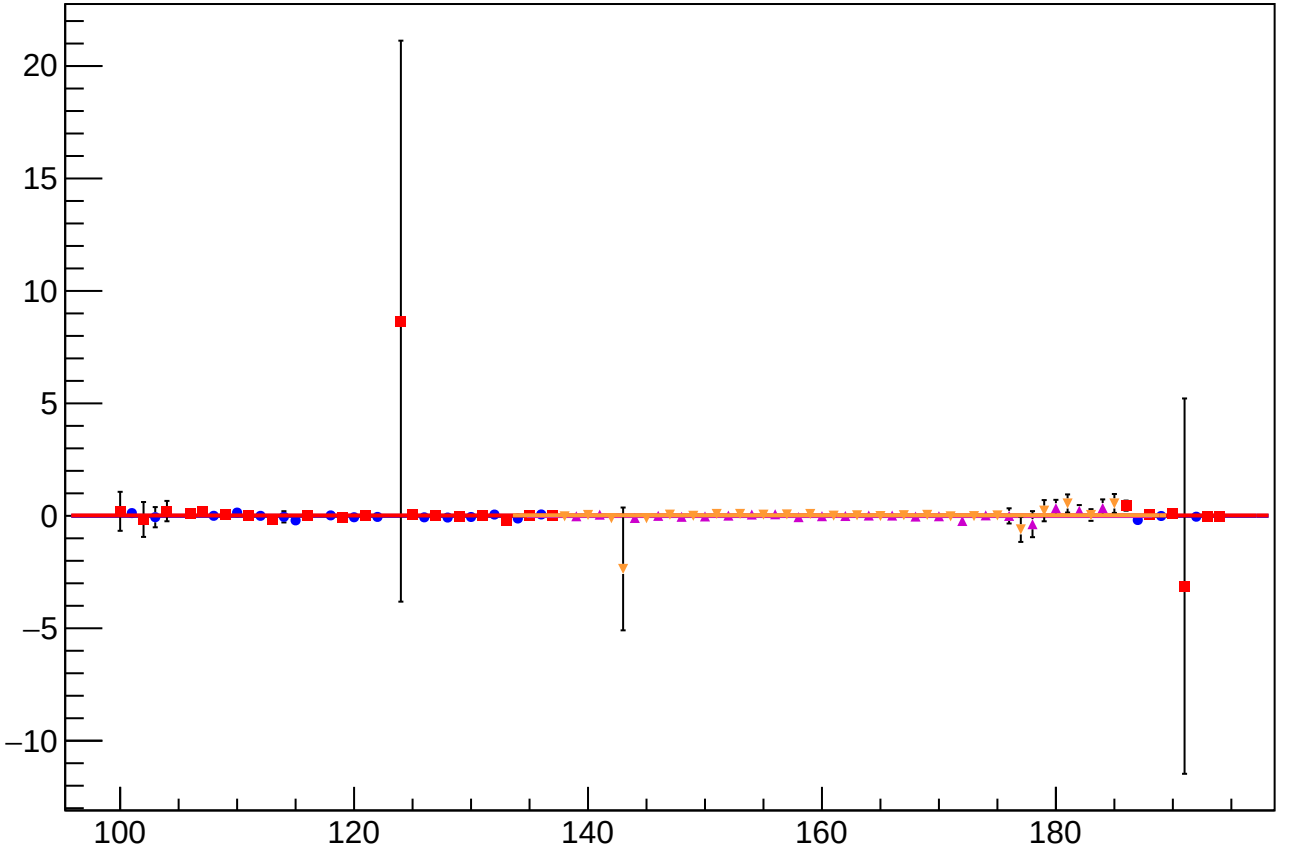
Out: 1506.466+/-0.198 χ^2/NDF:2438870.4/49

All: 1490.845+/-0.142 χ^2/NDF: 4117348.6/91


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
Right In: 0.000+/-0.000 χ²/NDF: 17.1/18
Left Out: 0.000+/-0.000 χ²/NDF:24.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 39.7/24
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: 58.7/43
In: 0.000+/-0.000 χ²/NDF:31.3/41
Out: 0.000+/-0.000 χ²/NDF:65.8/49
All: 0.000+/-0.000 χ²/NDF: 97.1/91


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
Right In: 0.000+/-0.000 χ²/NDF: 3386043.3/18
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 3953352.2/24
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: 7424692.8/43
In: 0.000+/-0.000 χ²/NDF:6368821.0/41
Out: 0.000+/-0.000 χ²/NDF:8962075.8/49
All: 0.000+/-0.000 χ²/NDF: 15589924.4/91

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.014 χ^2/NDF: 22.7/18

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.014 χ^2/NDF: 20.3/24

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

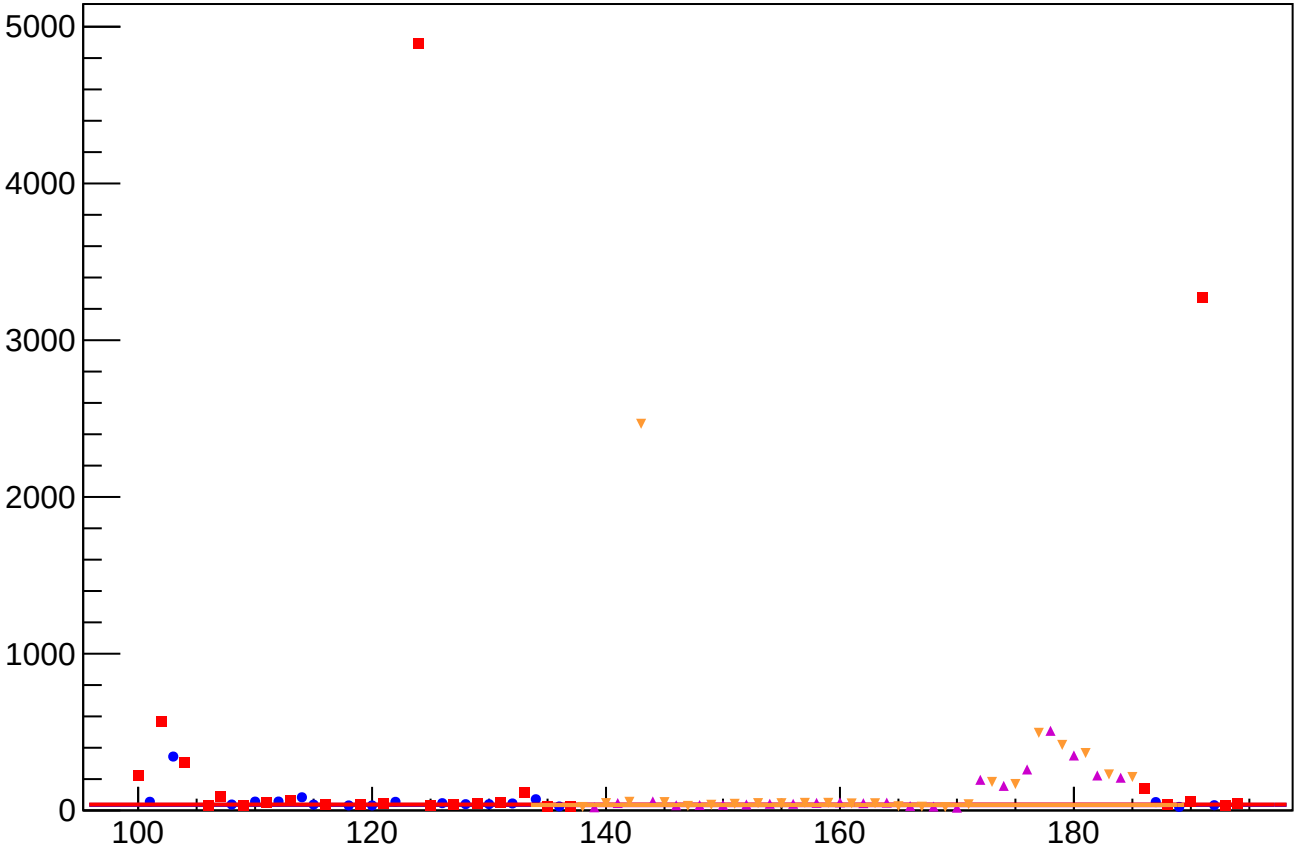
Right: 0.008+/-0.010 χ^2/NDF: 44.0/43

In: -0.007+/-0.008 χ^2/NDF:37.8/41

Out: 0.021+/-0.008 χ^2/NDF:43.3/49

All: 0.007+/-0.006 χ^2/NDF: 87.1/91

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.463+/-0.010 χ^2/NDF: 2259217.2/18

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 37.832+/-0.010 χ^2/NDF: 4096219.1/24

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

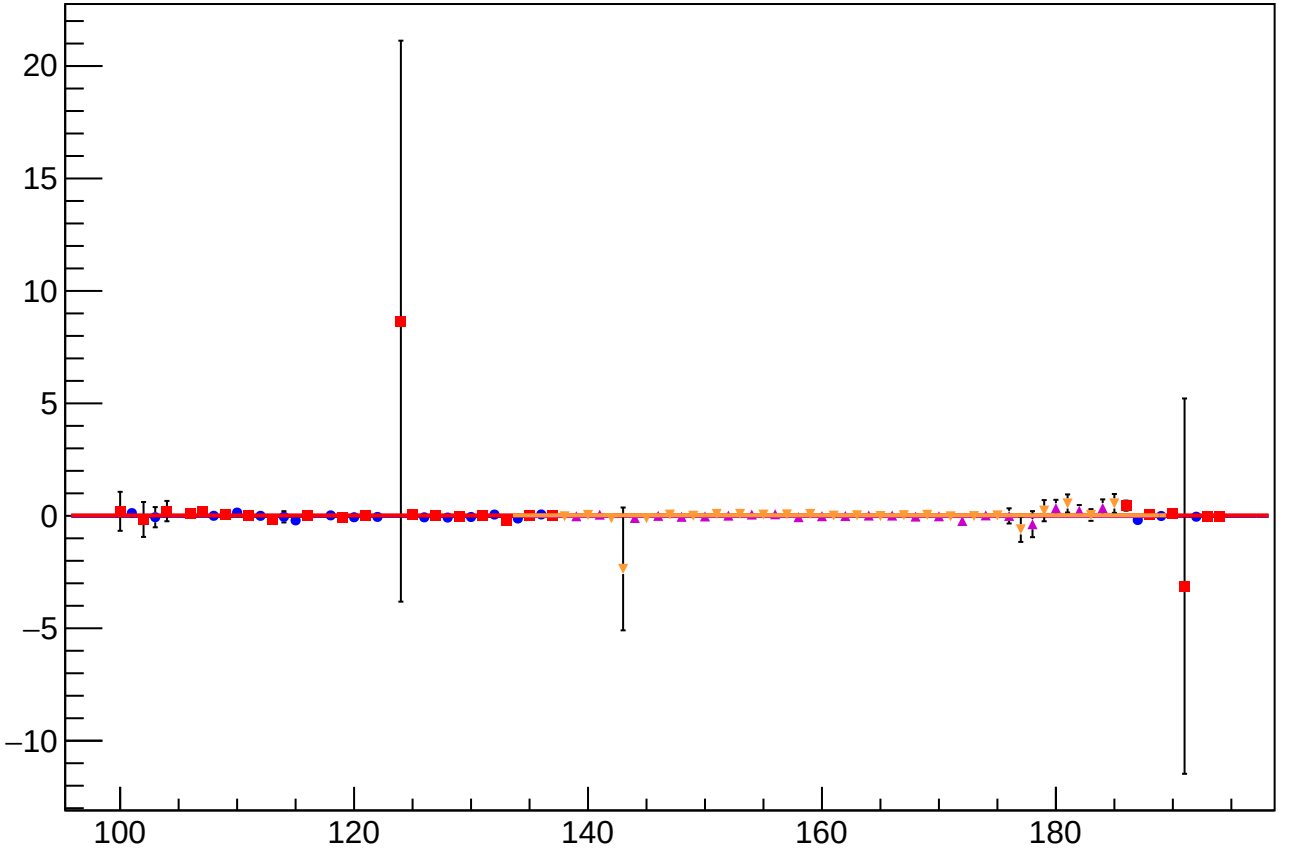
Right: 36.659+/-0.007 χ^2/NDF: 6384983.6/43

In: 34.229+/-0.006 χ^2/NDF:12350772.2/41

Out: 35.767+/-0.006 χ^2/NDF:15569098.3/49

All: 34.987+/-0.004 χ^2/NDF: 27955646.3/91

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.014 χ^2/NDF: 22.7/18

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.014 χ^2/NDF: 20.3/24

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

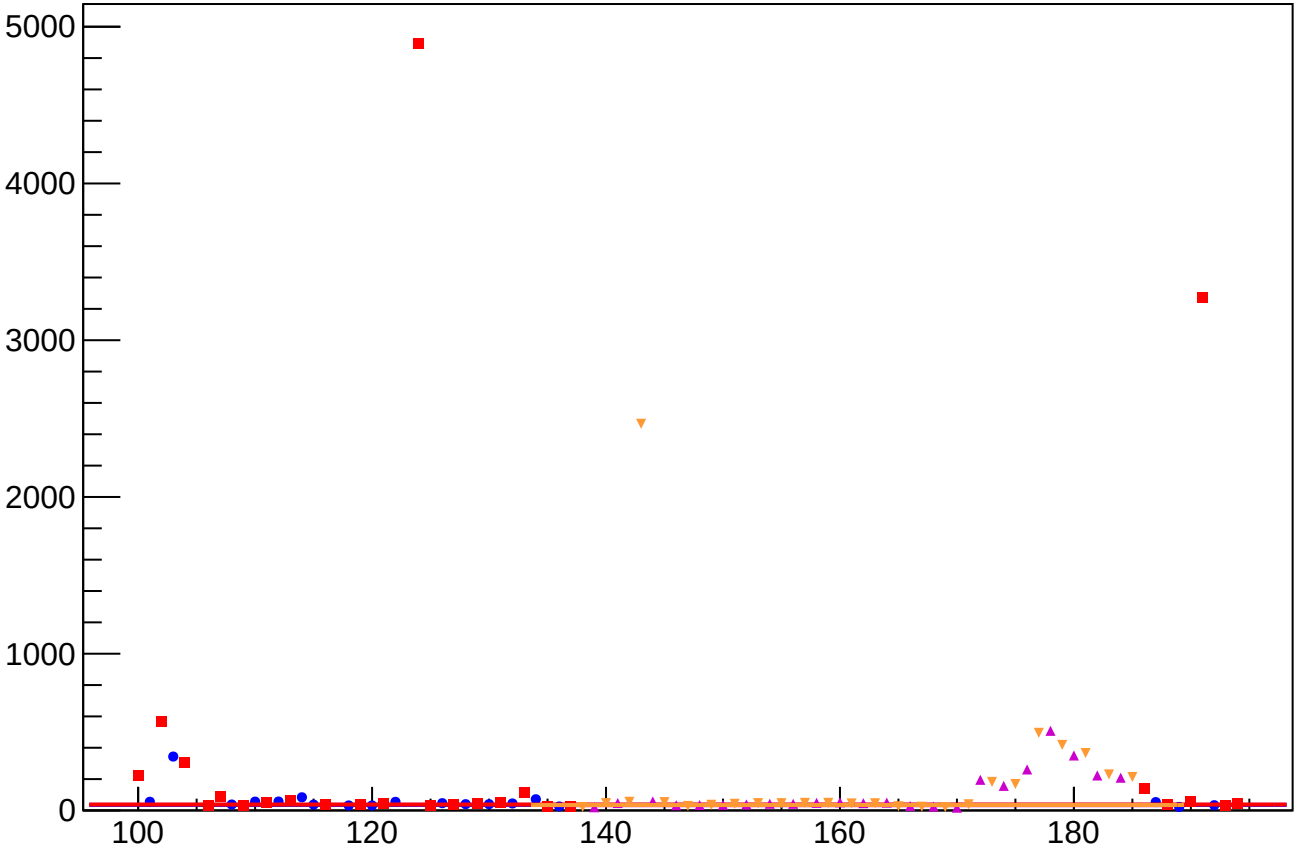
Right: 0.008+/-0.010 χ^2/NDF: 44.0/43

In: -0.007+/-0.008 χ^2/NDF:37.8/41

Out: 0.021+/-0.008 χ^2/NDF:43.3/49

All: 0.007+/-0.006 χ^2/NDF: 87.1/91

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.463+/-0.010 χ^2/NDF: 2259217.2/18

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 37.832+/-0.010 χ^2/NDF: 4096219.1/24

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

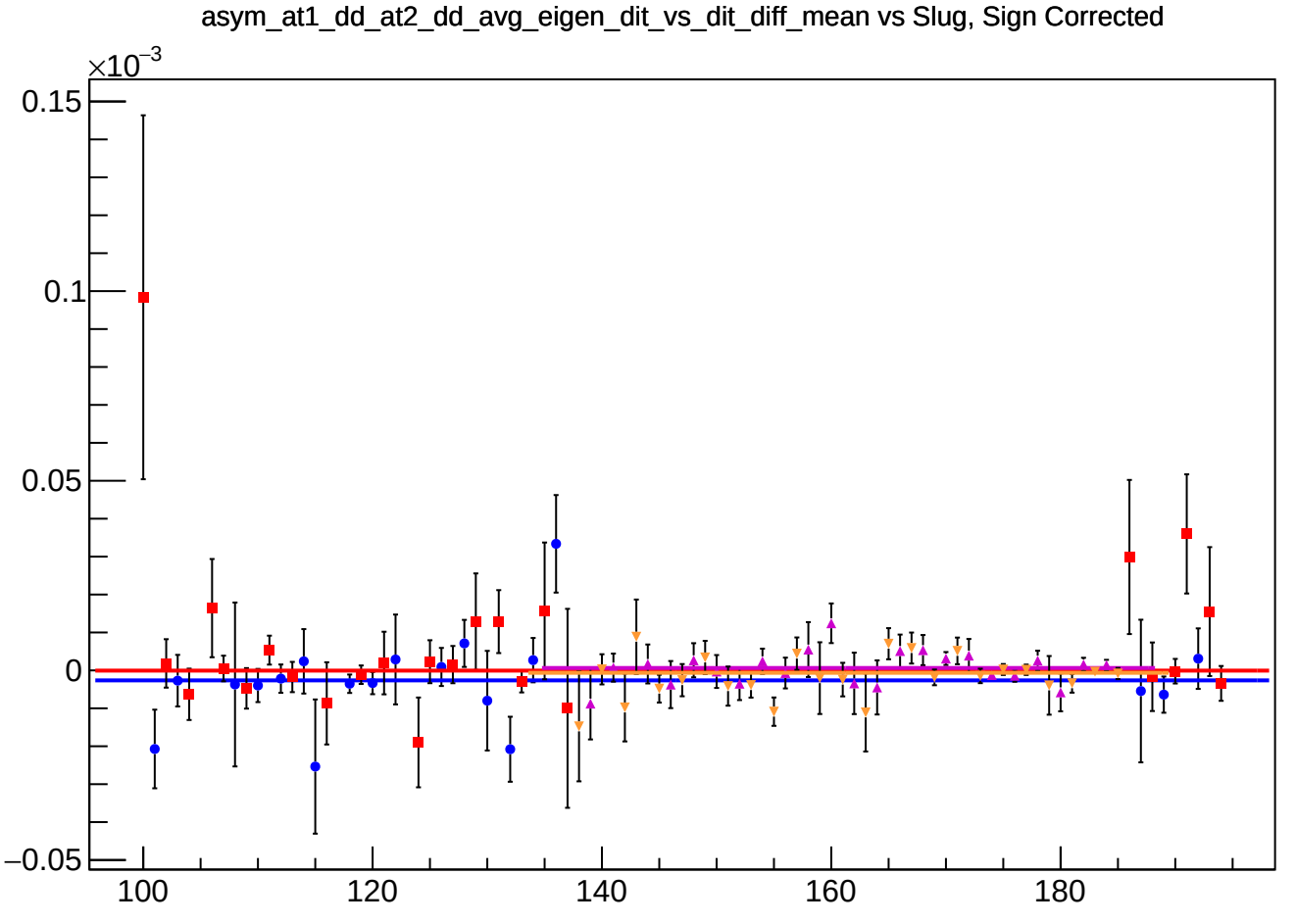
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 36.659+/-0.007 χ^2/NDF: 6384983.6/43

In: 34.229+/-0.006 χ^2/NDF:12350772.2/41

Out: 35.767+/-0.006 χ^2/NDF:15569098.3/49

All: 34.987+/-0.004 χ^2/NDF: 27955646.3/91



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.7/24

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

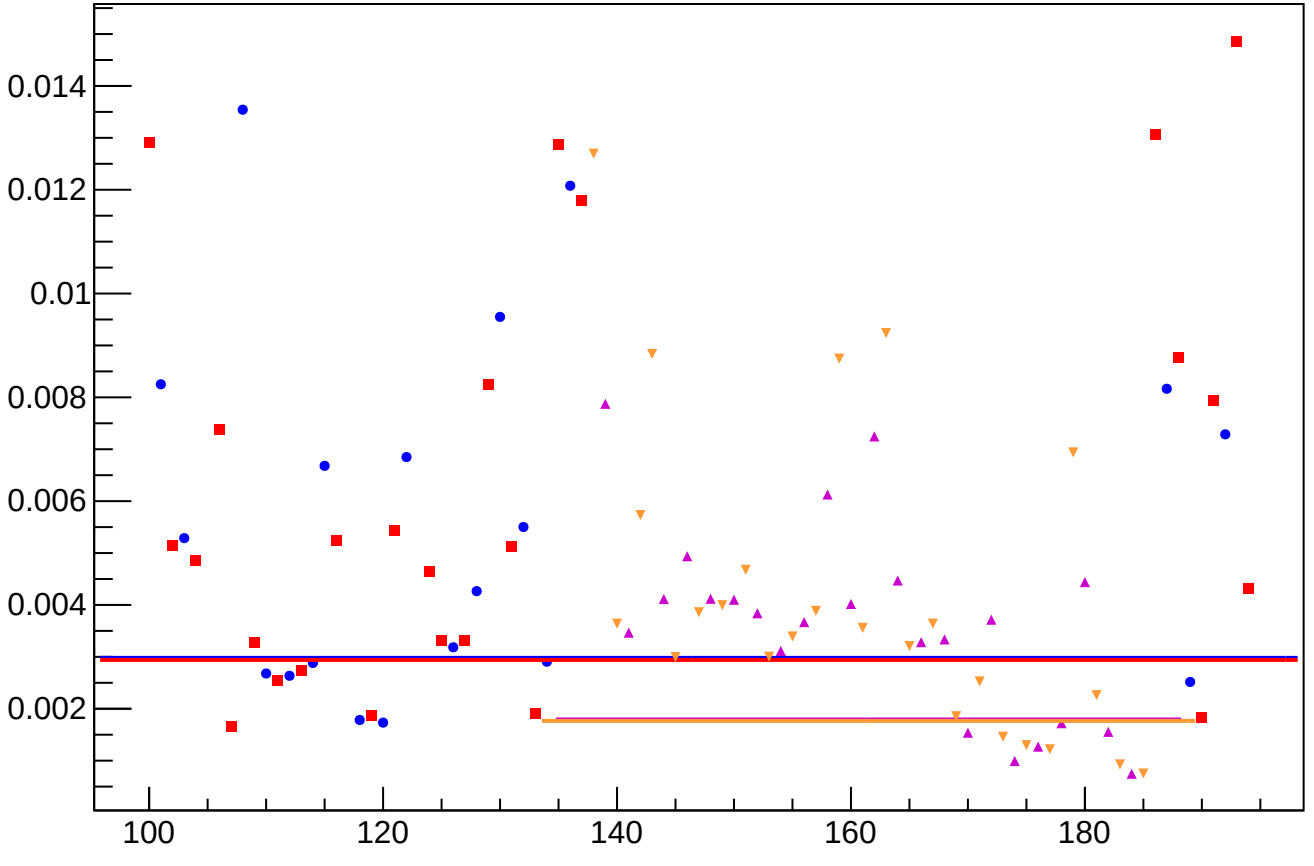
Right: -0.000+/-0.000 χ^2/NDF: 53.2/43

In: 0.000+/-0.000 χ^2/NDF:50.8/41

Out: -0.000+/-0.000 χ^2/NDF:56.4/49

All: -0.000+/-0.000 χ^2/NDF: 108.0/91

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: 4918690.9/18

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6280650.5/24

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

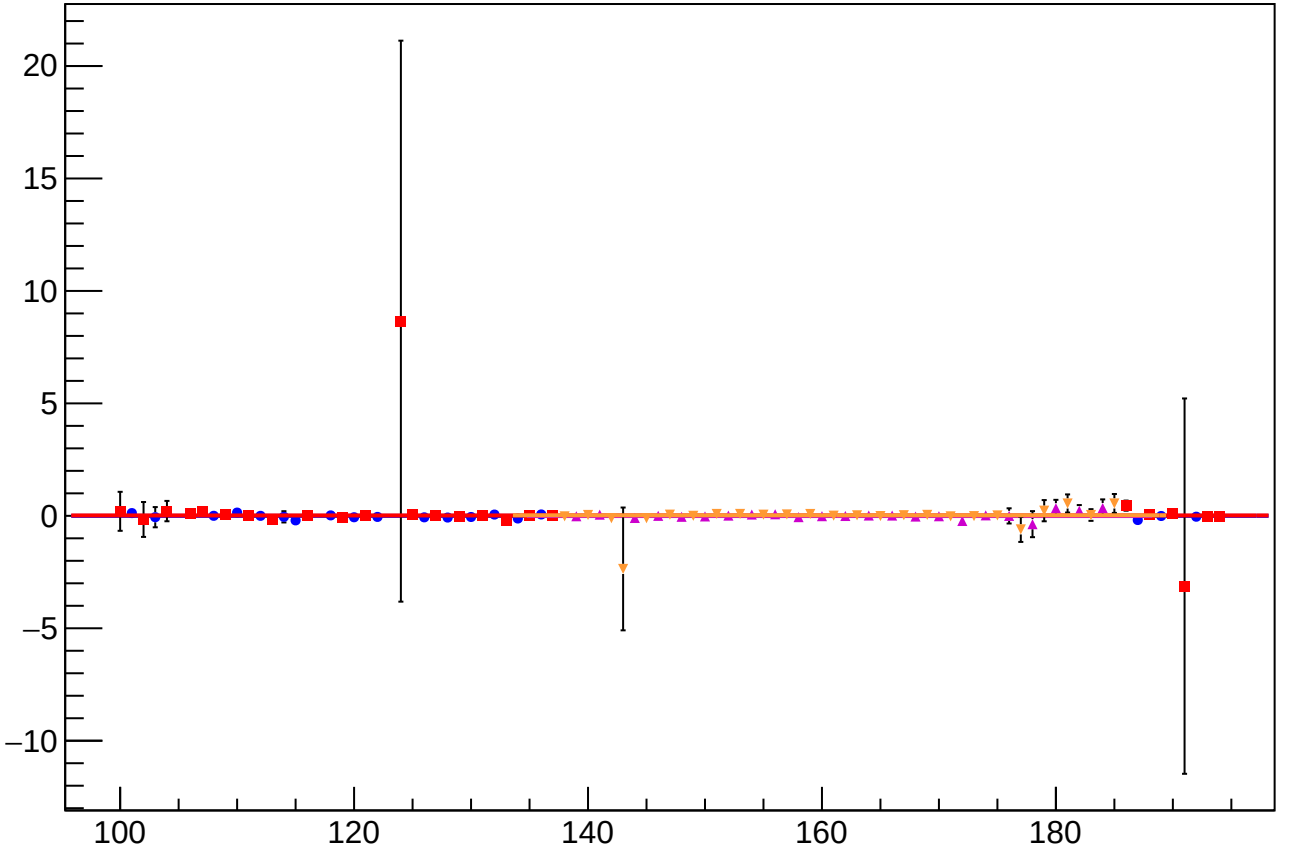
Right: 0.003+/-0.000 χ^2/NDF: 11200514.0/43

In: 0.002+/-0.000 χ^2/NDF:17219452.6/41

Out: 0.002+/-0.000 χ^2/NDF:21197765.1/49

All: 0.002+/-0.000 χ^2/NDF: 38417285.5/91

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.014 χ^2/NDF: 22.7/18

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.014 χ^2/NDF: 20.3/24

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

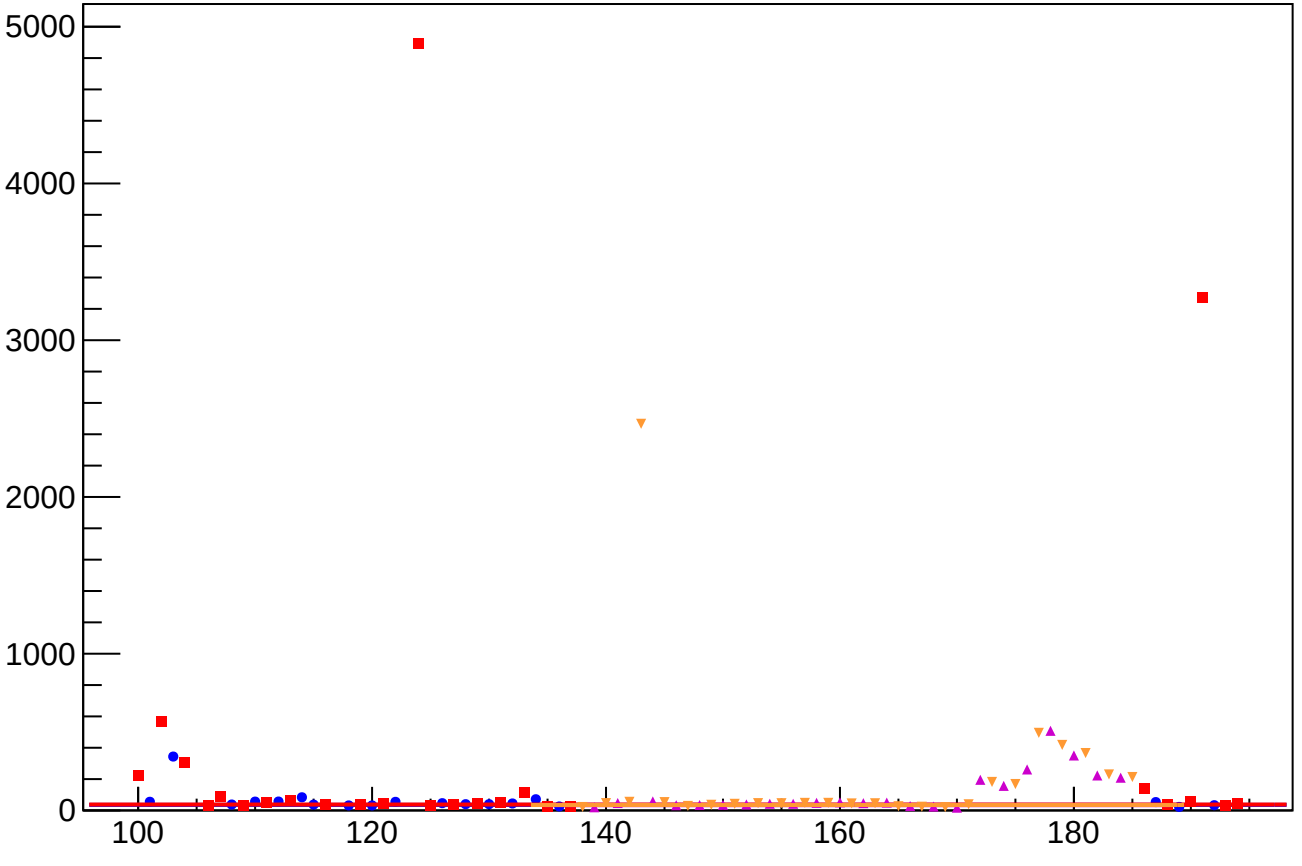
Right: 0.008+/-0.010 χ^2/NDF: 44.0/43

In: -0.007+/-0.008 χ^2/NDF:37.8/41

Out: 0.021+/-0.008 χ^2/NDF:43.3/49

All: 0.007+/-0.006 χ^2/NDF: 87.1/91

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.465+/-0.010 χ^2/NDF: 2258575.1/18

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.833+/-0.010 χ^2/NDF: 4095928.6/24

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

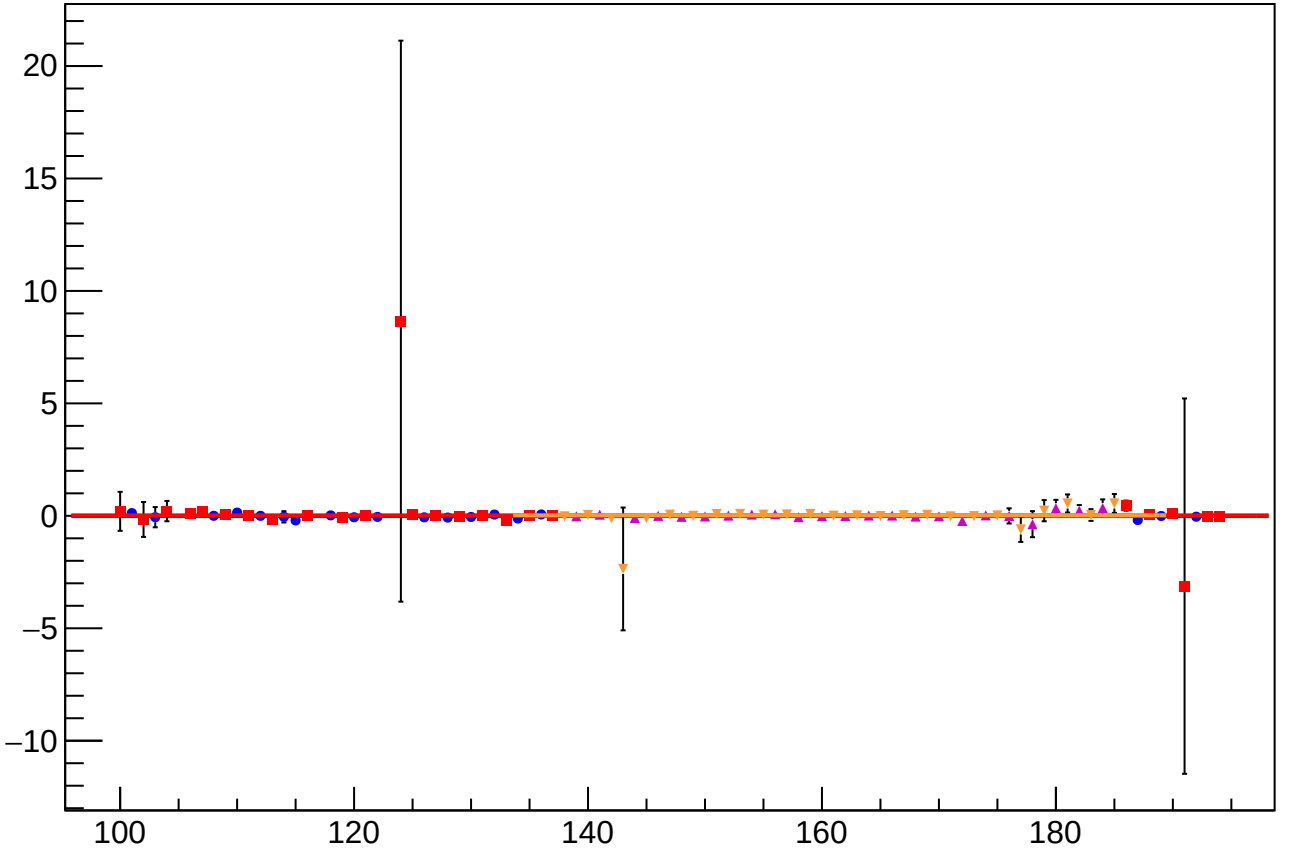
Right: 36.660+/-0.007 χ^2/NDF: 6384010.4/43

In: 34.231+/-0.006 χ^2/NDF:12348857.2/41

Out: 35.766+/-0.006 χ^2/NDF:15568993.5/49

All: 34.988+/-0.004 χ^2/NDF: 27953500.4/91

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.014 χ^2/NDF: 22.7/18

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.014 χ^2/NDF: 20.3/24

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

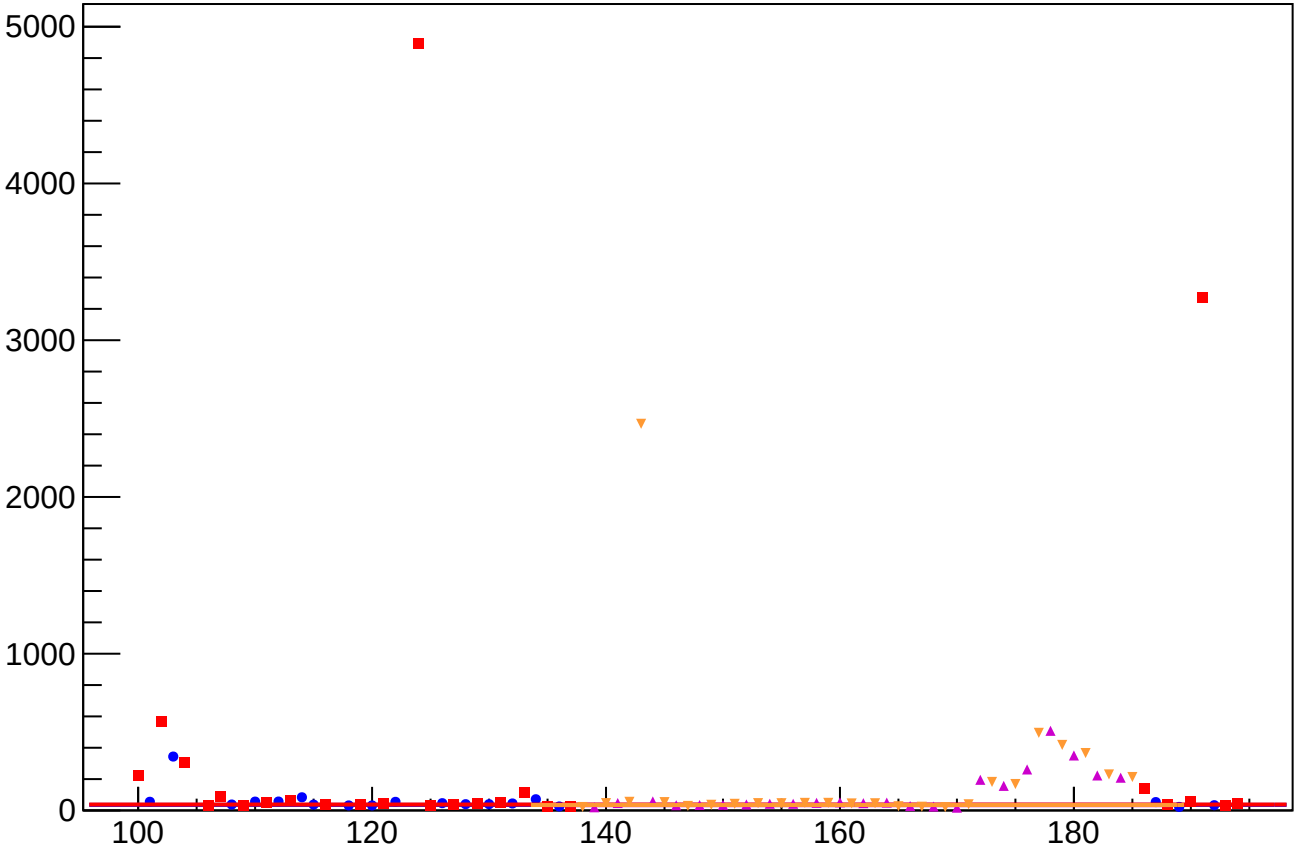
Right: 0.008+/-0.010 χ^2/NDF: 44.0/43

In: -0.007+/-0.008 χ^2/NDF:37.8/41

Out: 0.021+/-0.008 χ^2/NDF:43.3/49

All: 0.007+/-0.006 χ^2/NDF: 87.1/91

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.465+/-0.010 χ^2/NDF: 2258575.1/18

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.833+/-0.010 χ^2/NDF: 4095928.6/24

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

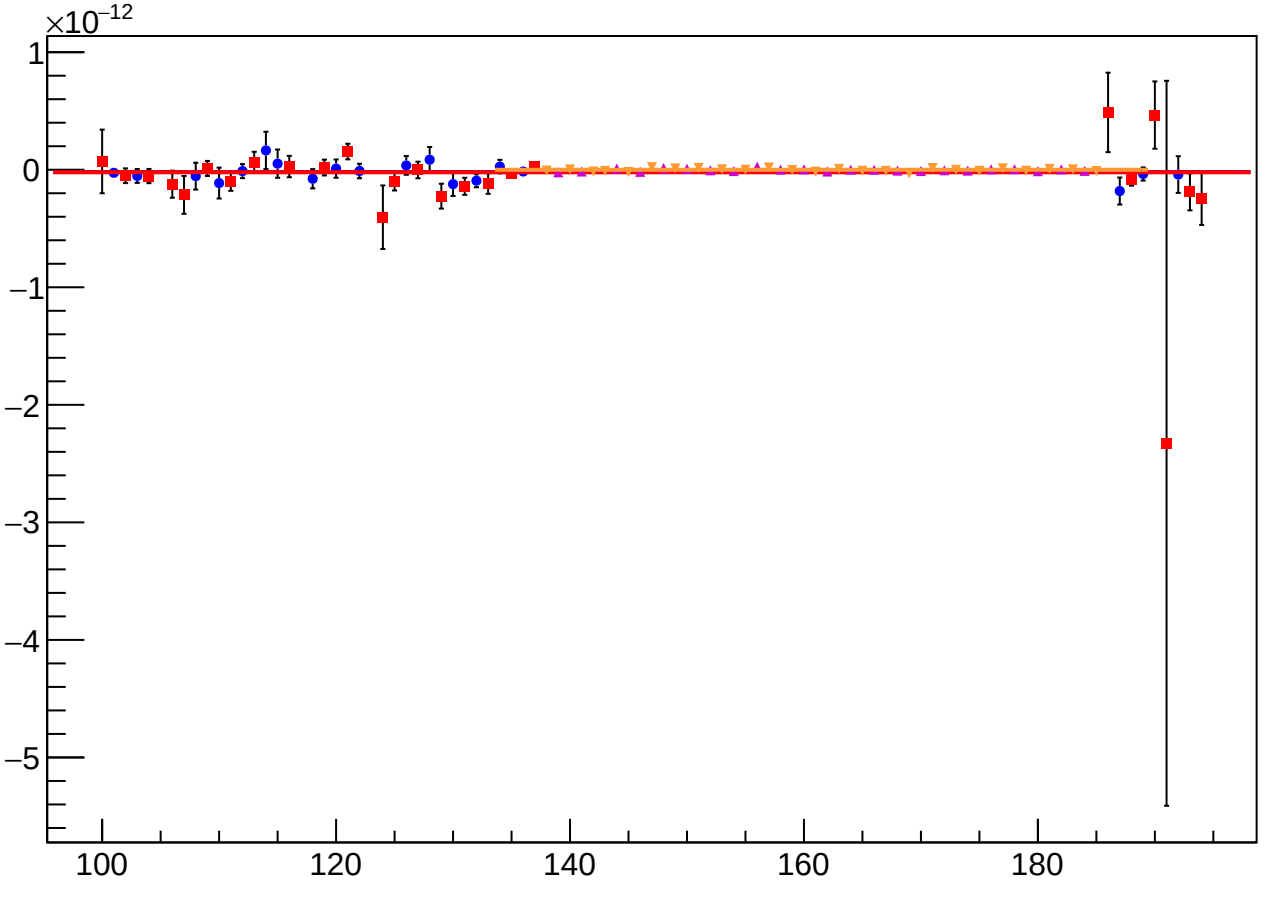
Right: 36.660+/-0.007 χ^2/NDF: 6384010.4/43

In: 34.231+/-0.006 χ^2/NDF:12348857.2/41

Out: 35.766+/-0.006 χ^2/NDF:15568993.5/49

All: 34.988+/-0.004 χ^2/NDF: 27953500.4/91

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.9/24

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

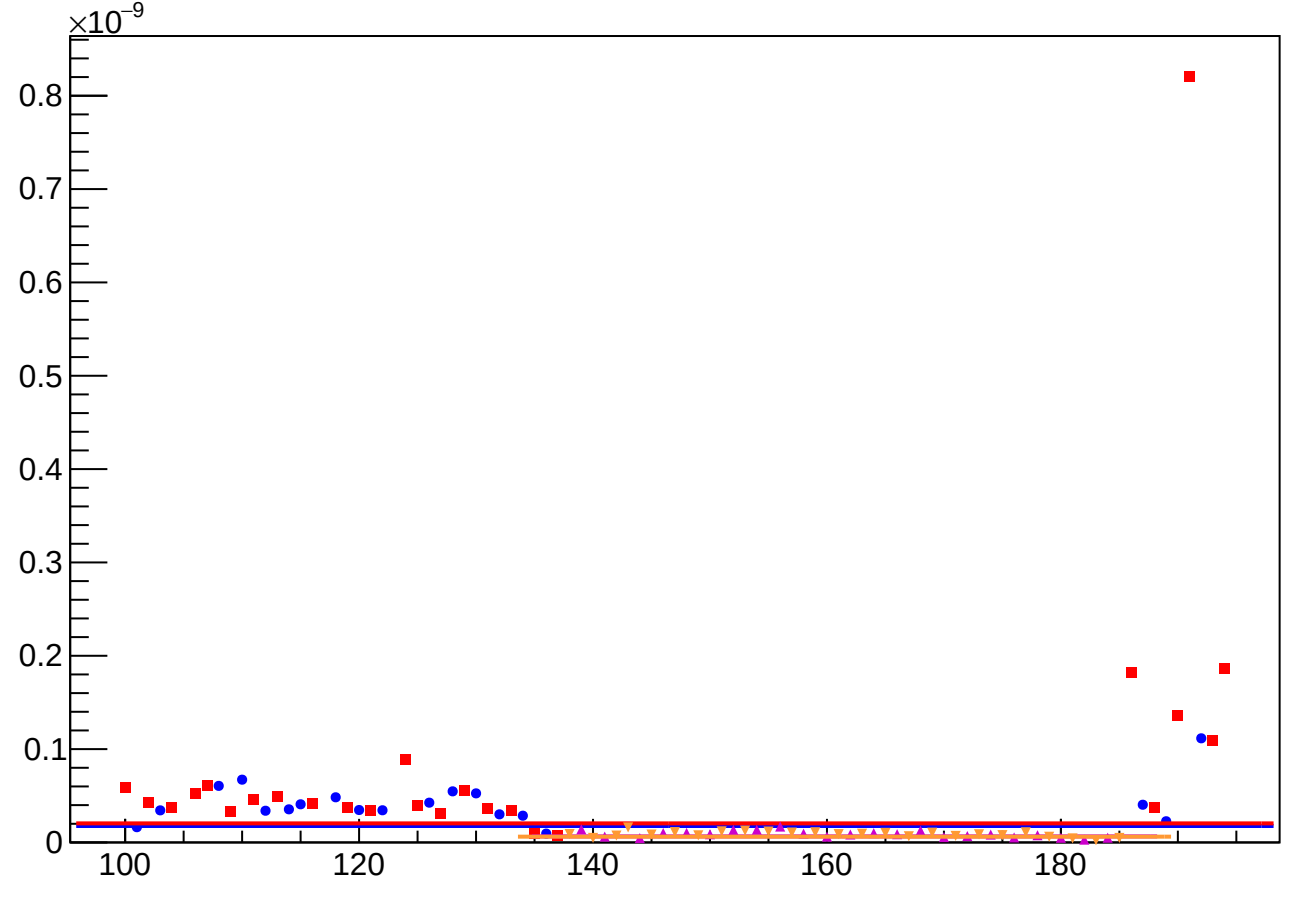
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

Right: -0.000+/-0.000 χ^2/NDF: 47.3/43

In: -0.000+/-0.000 χ^2/NDF:33.6/41

Out: -0.000+/-0.000 χ^2/NDF:66.5/49

All: -0.000+/-0.000 χ^2/NDF: 100.6/91



Right In: 0.000+/-0.000 χ^2/NDF: 4037876.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6635620.7/24

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

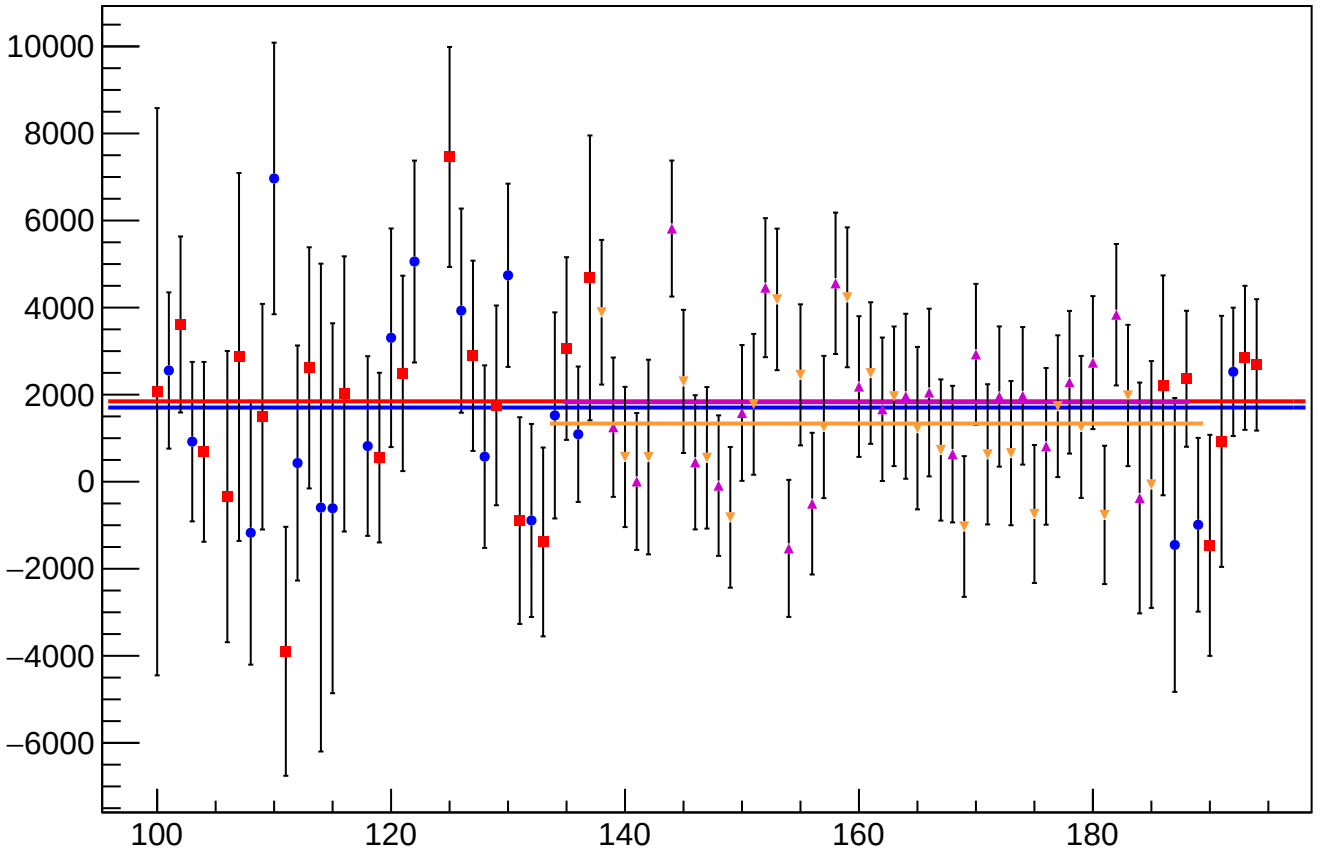
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 10747757.6/43

In: 0.000+/-0.000 χ^2/NDF:10561319.0/41

Out: 0.000+/-0.000 χ^2/NDF:15107973.1/49

All: 0.000+/-0.000 χ^2/NDF: 25693023.5/91



Right In: 1703.226+/-509.483 χ^2/NDF: 15.3/18

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: 1847.119+/-470.186 χ^2/NDF: 18.6/23

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

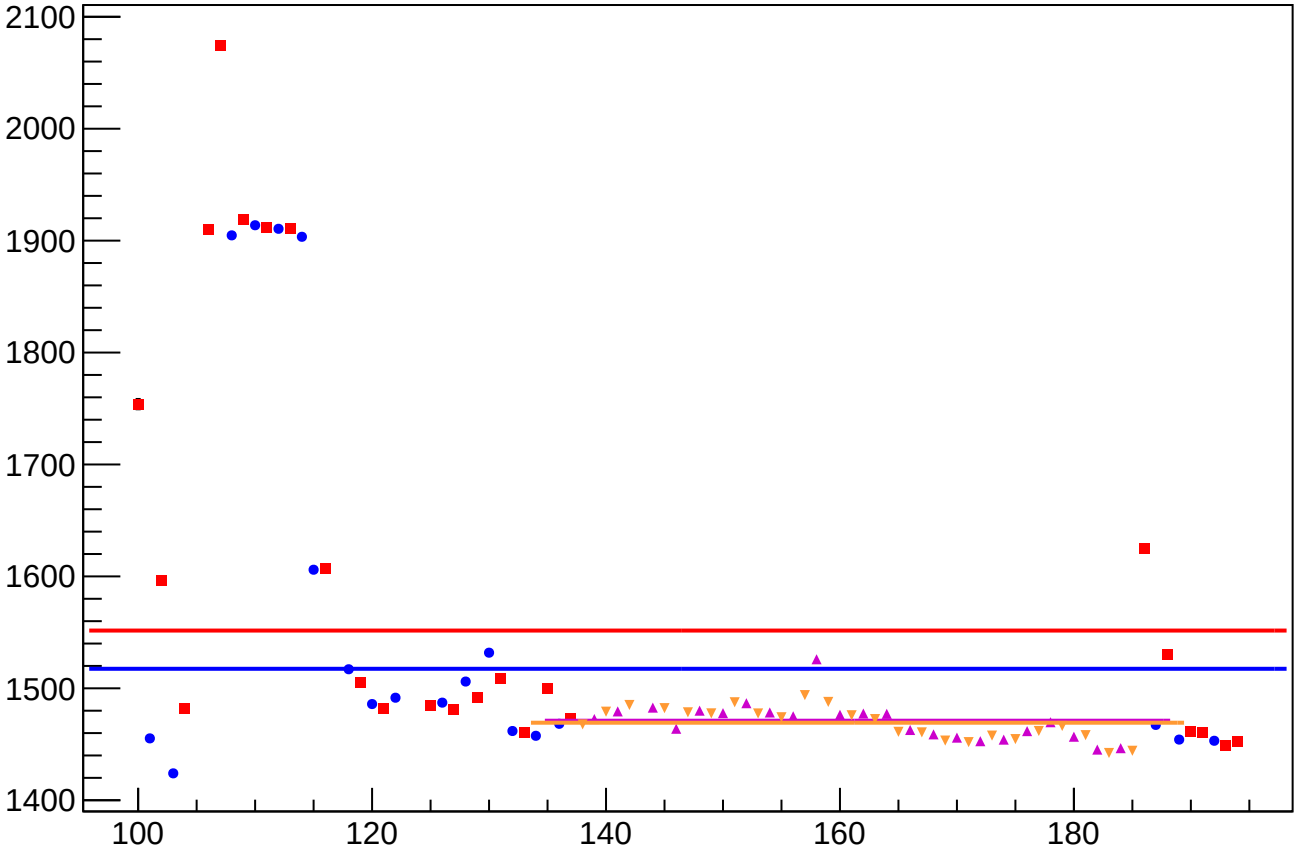
Right: 1780.935+/-345.530 χ^2/NDF: 34.0/42

In: 1788.046+/-284.804 χ^2/NDF:41.8/41

Out: 1512.843+/-276.052 χ^2/NDF:38.6/47

All: 1646.151+/-198.220 χ^2/NDF: 80.9/89

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1517.444+/-0.360 χ^2/NDF: 137154.0/18

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1551.609+/-0.332 χ^2/NDF: 202254.4/23

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

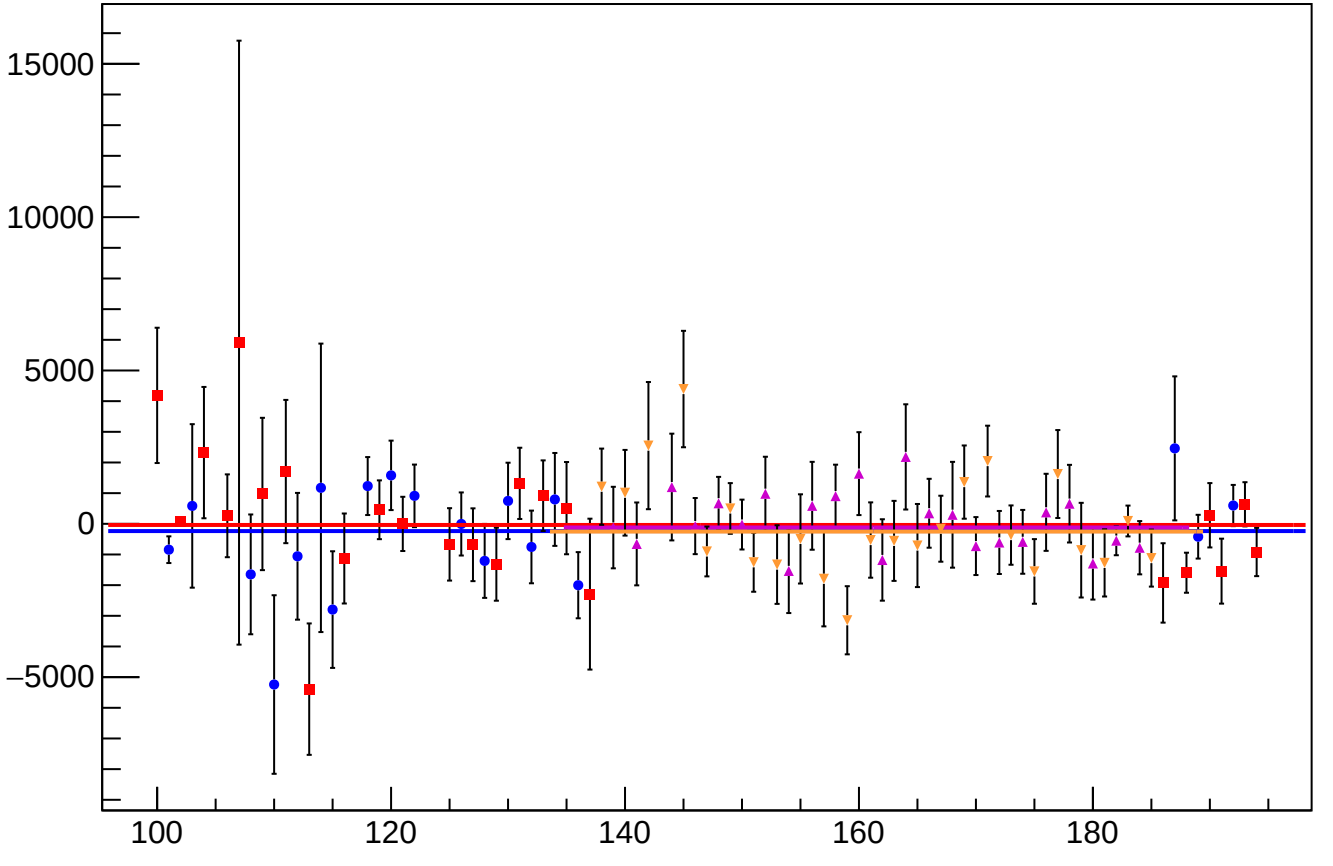
Right: 1535.895+/-0.244 χ^2/NDF: 344265.2/42

In: 1485.550+/-0.201 χ^2/NDF:153196.5/41

Out: 1497.650+/-0.195 χ^2/NDF:245604.8/47

All: 1491.789+/-0.140 χ^2/NDF: 400662.6/89

asym_usl_atl1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -236.610+/-236.663 χ^2/NDF: 21.4/18

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: -37.263+/-119.862 χ^2/NDF: 30.4/23

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

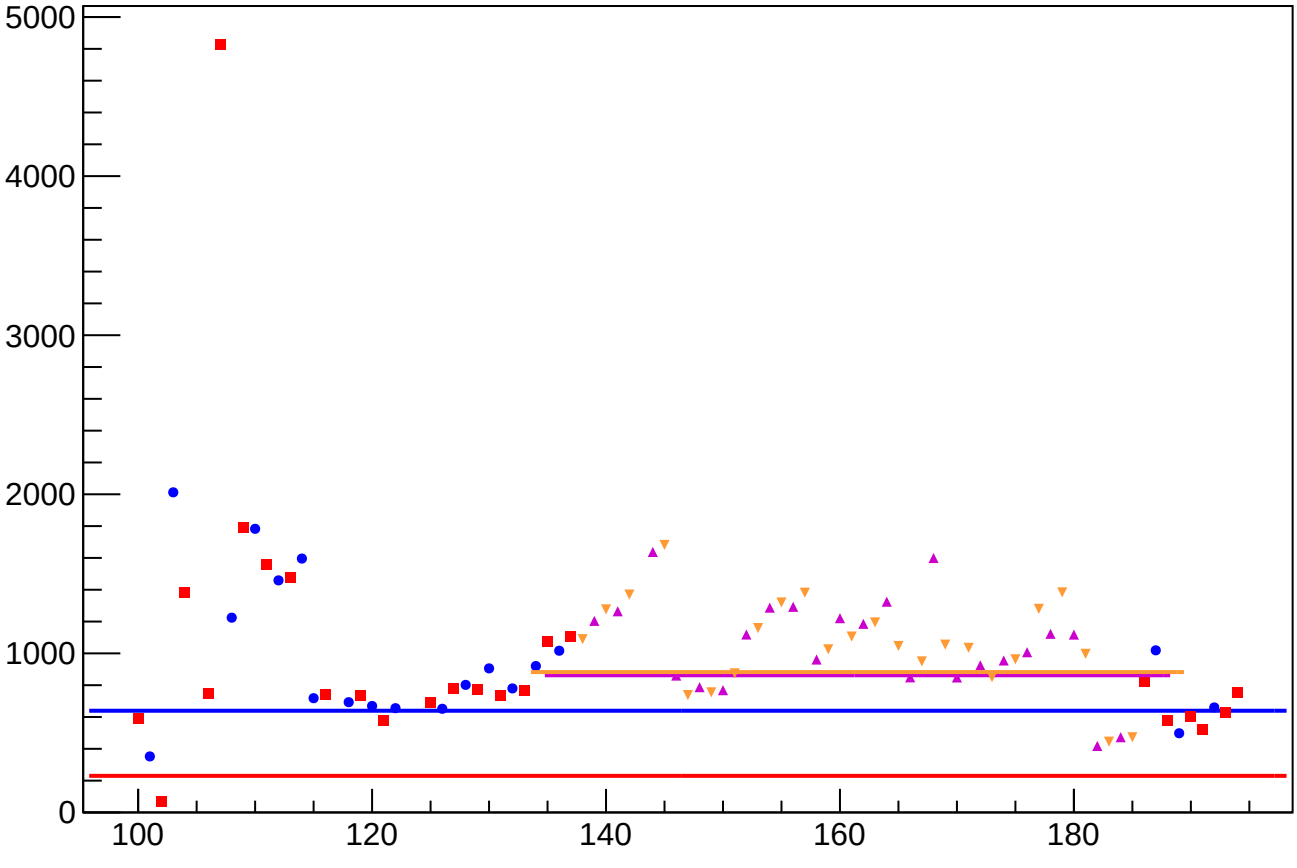
Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

Right: -77.959+/-106.930 χ^2/NDF: 52.4/42

In: -172.878+/-159.531 χ^2/NDF:34.4/41

Out: -86.891+/-105.074 χ^2/NDF:63.9/47

All: -112.907+/-87.751 χ^2/NDF: 98.4/89



Right In: 639.416+/-0.167 χ^2/NDF: 2899462.5/18

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 230.113+/-0.085 χ^2/NDF: 13030445.0/23

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

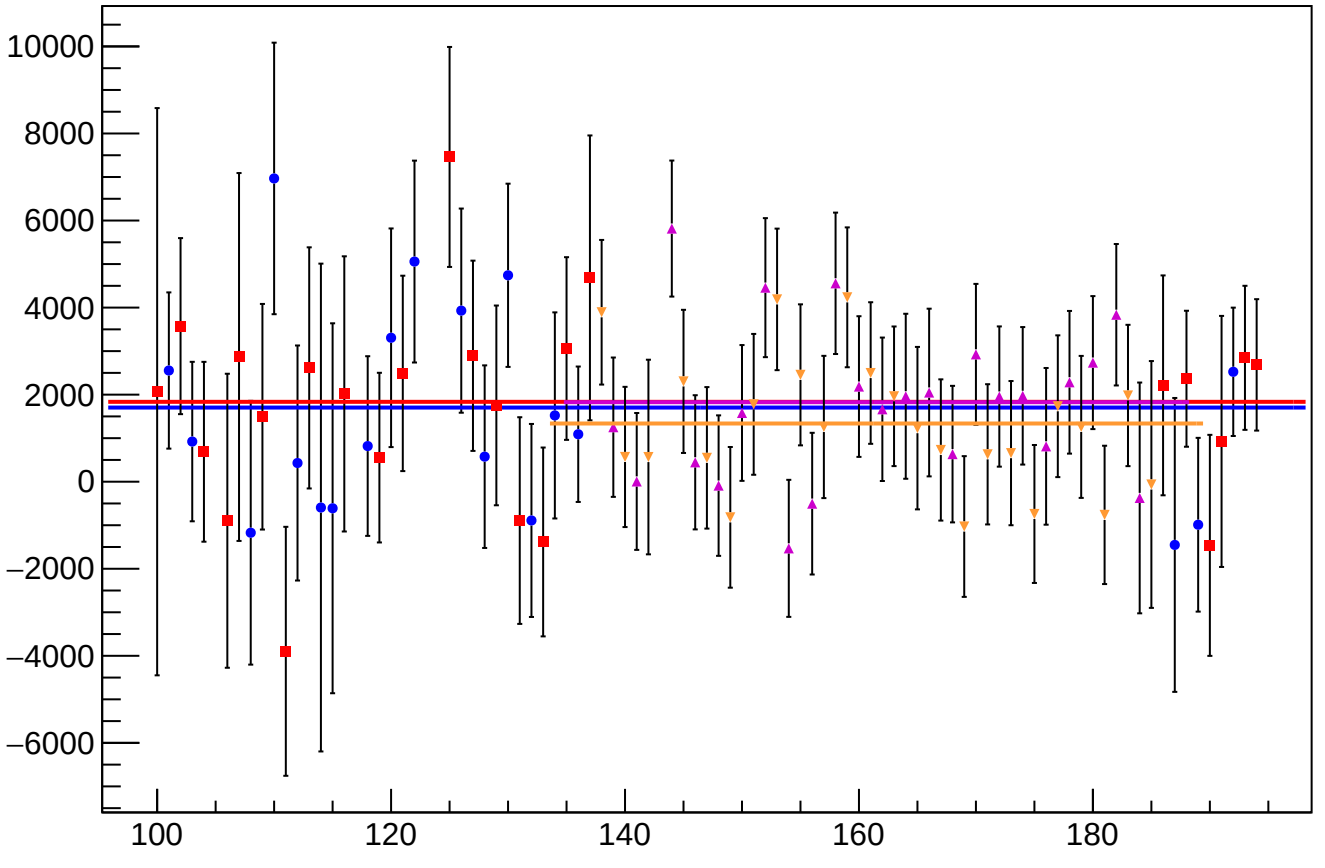
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 313.670+/-0.076 χ^2/NDF: 20690852.3/42

In: 761.022+/-0.113 χ^2/NDF:8236715.3/41

Out: 381.144+/-0.074 χ^2/NDF:30646560.6/47

All: 496.080+/-0.062 χ^2/NDF: 46792541.6/89



Right In: 1703.339+/-509.483 χ^2/NDF: 15.3/18

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1835.108+/-470.278 χ^2/NDF: 18.8/23

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

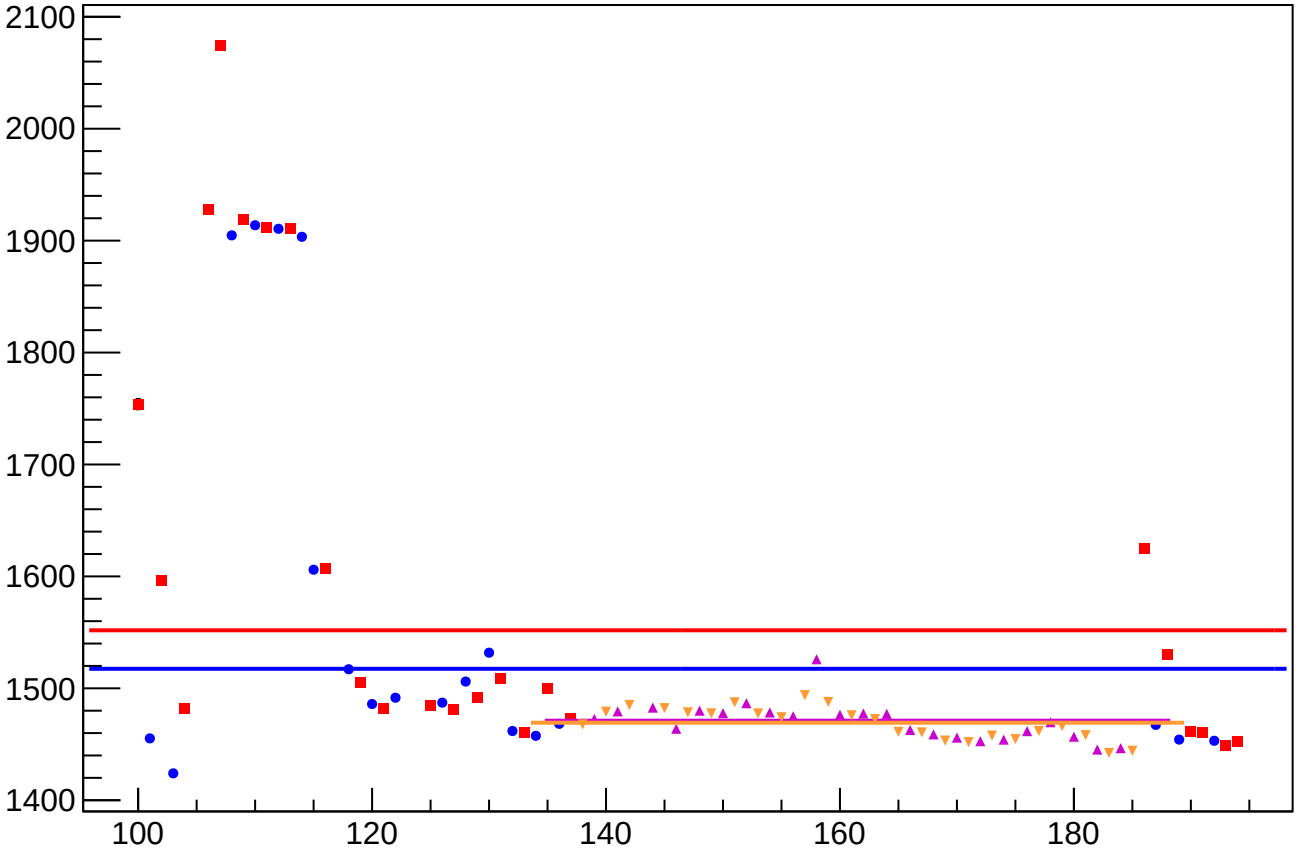
Right: 1774.487+/-345.567 χ^2/NDF: 34.2/42

In: 1788.113+/-284.804 χ^2/NDF:41.8/41

Out: 1508.666+/-276.070 χ^2/NDF:38.8/47

All: 1644.039+/-198.227 χ^2/NDF: 81.1/89

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1517.444+/-0.360 χ^2/NDF: 137153.9/18

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1551.839+/-0.333 χ^2/NDF: 204187.6/23

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

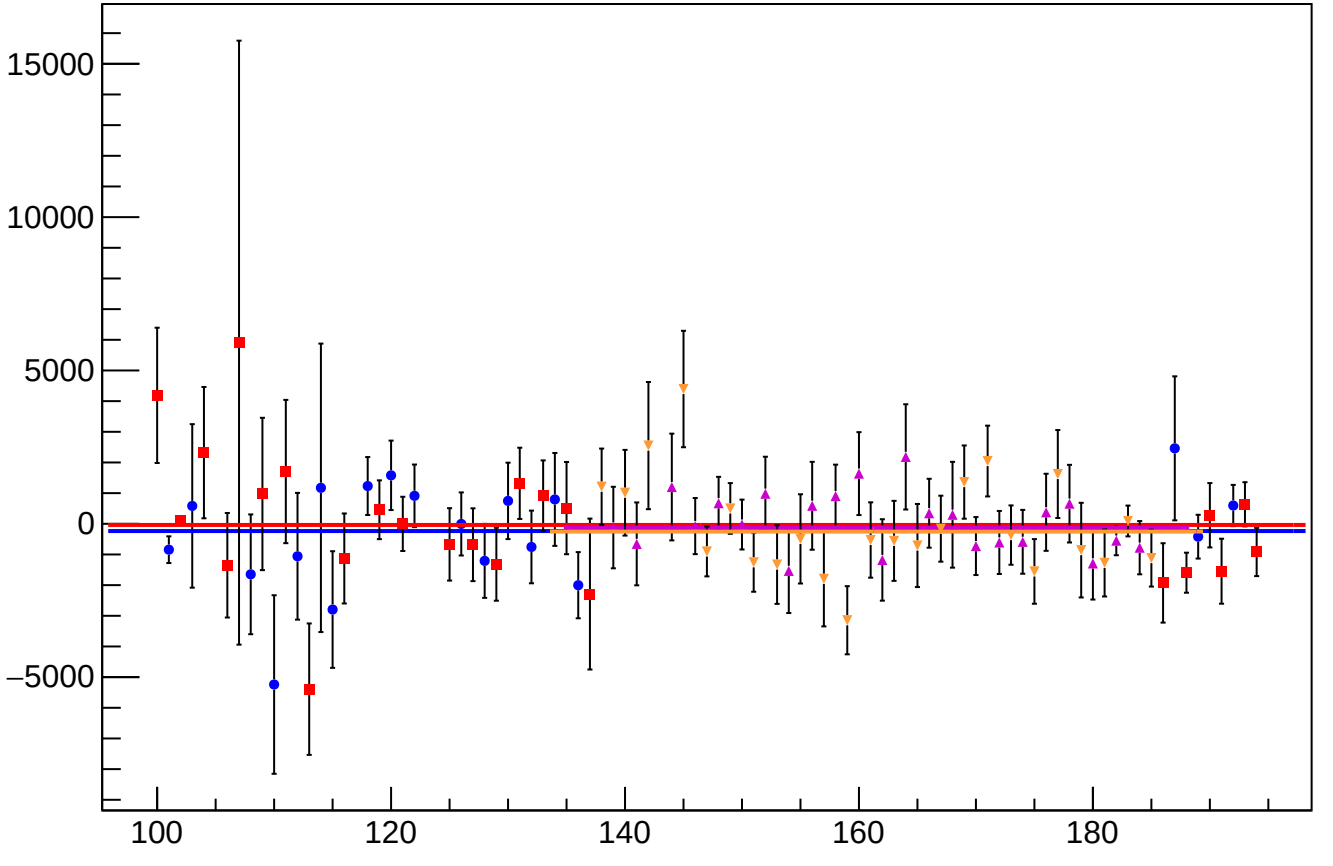
Right: 1536.016+/-0.244 χ^2/NDF: 346263.2/42

In: 1485.550+/-0.201 χ^2/NDF:153196.5/41

Out: 1497.722+/-0.195 χ^2/NDF:247753.3/47

All: 1491.826+/-0.140 χ^2/NDF: 402833.1/89

asym_usl_atl1_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -236.553+/-236.662 χ^2/NDF: 21.4/18

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -37.094+/-128.366 χ^2/NDF: 31.2/23

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

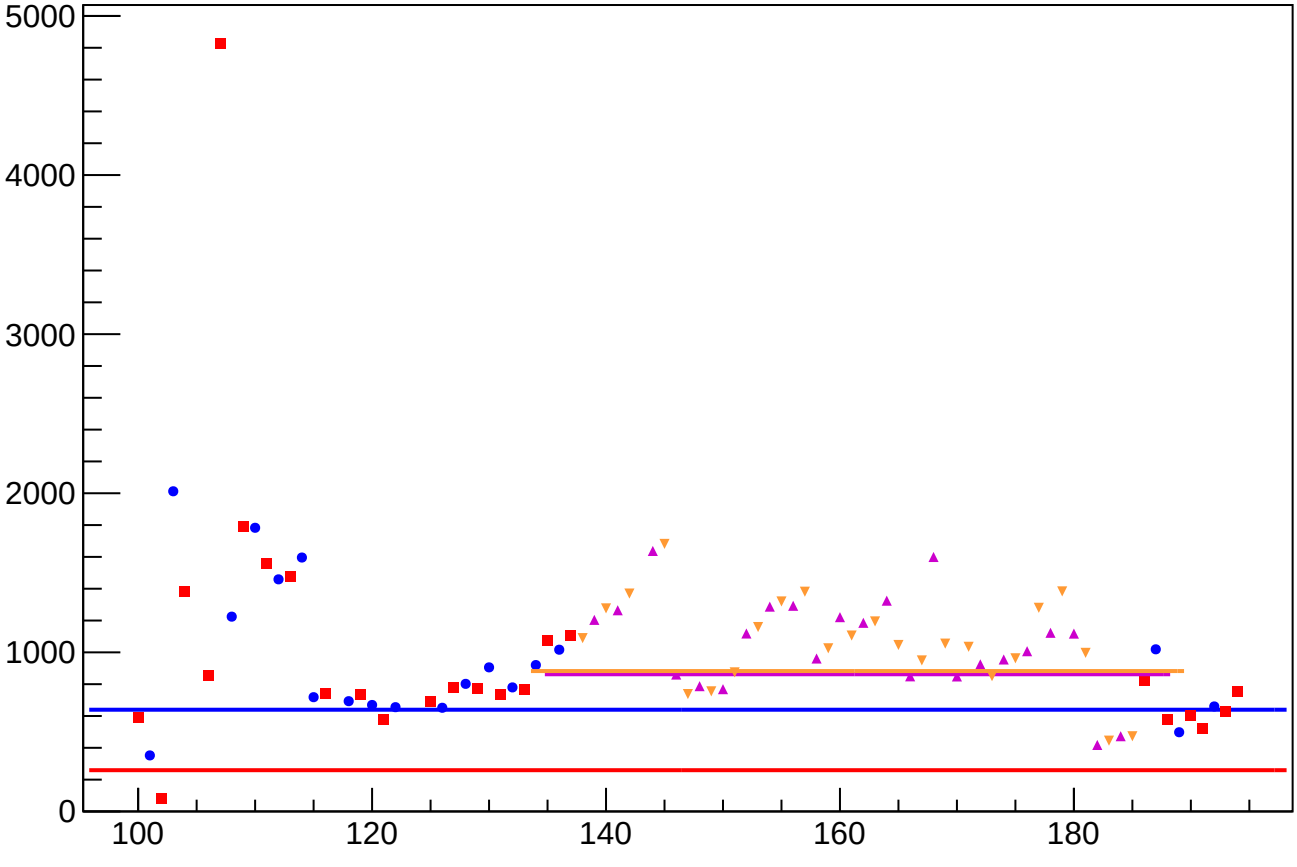
Right: -82.435+/-112.836 χ^2/NDF: 53.2/42

In: -172.876+/-159.531 χ^2/NDF:34.4/41

Out: -92.180+/-110.662 χ^2/NDF:64.6/47

All: -118.395+/-90.927 χ^2/NDF: 99.2/89

asym_usl_atl1_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 639.413+/-0.167 χ^2/NDF: 2899501.9/18

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 259.334+/-0.091 χ^2/NDF: 12175696.0/23

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

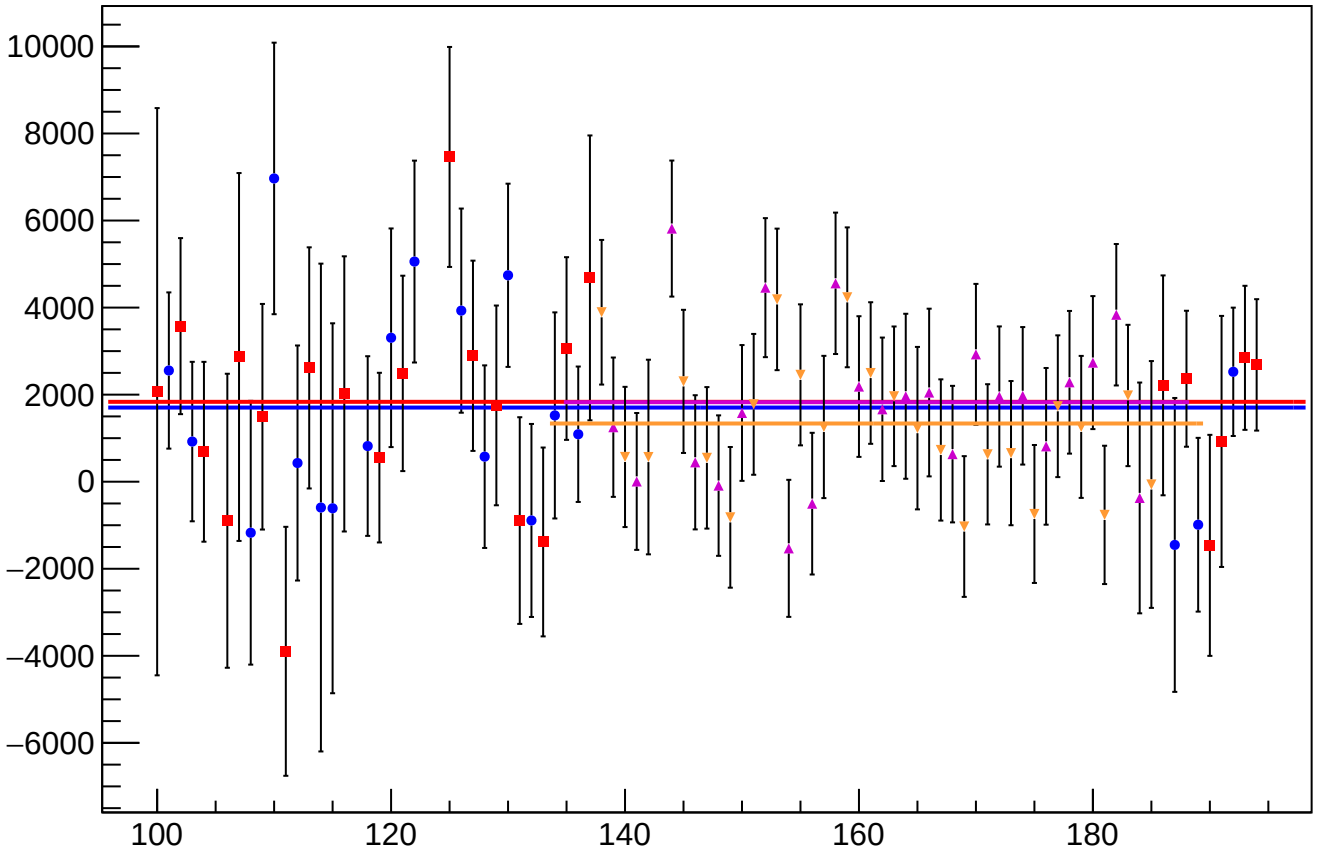
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 345.734+/-0.080 χ^2/NDF: 19061028.8/42

In: 761.022+/-0.113 χ^2/NDF:8236807.1/41

Out: 419.351+/-0.078 χ^2/NDF:28178990.5/47

All: 530.347+/-0.064 χ^2/NDF: 42609474.9/89



Right In: 1703.339+/-509.483 χ^2/NDF: 15.3/18

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1835.108+/-470.278 χ^2/NDF: 18.8/23

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

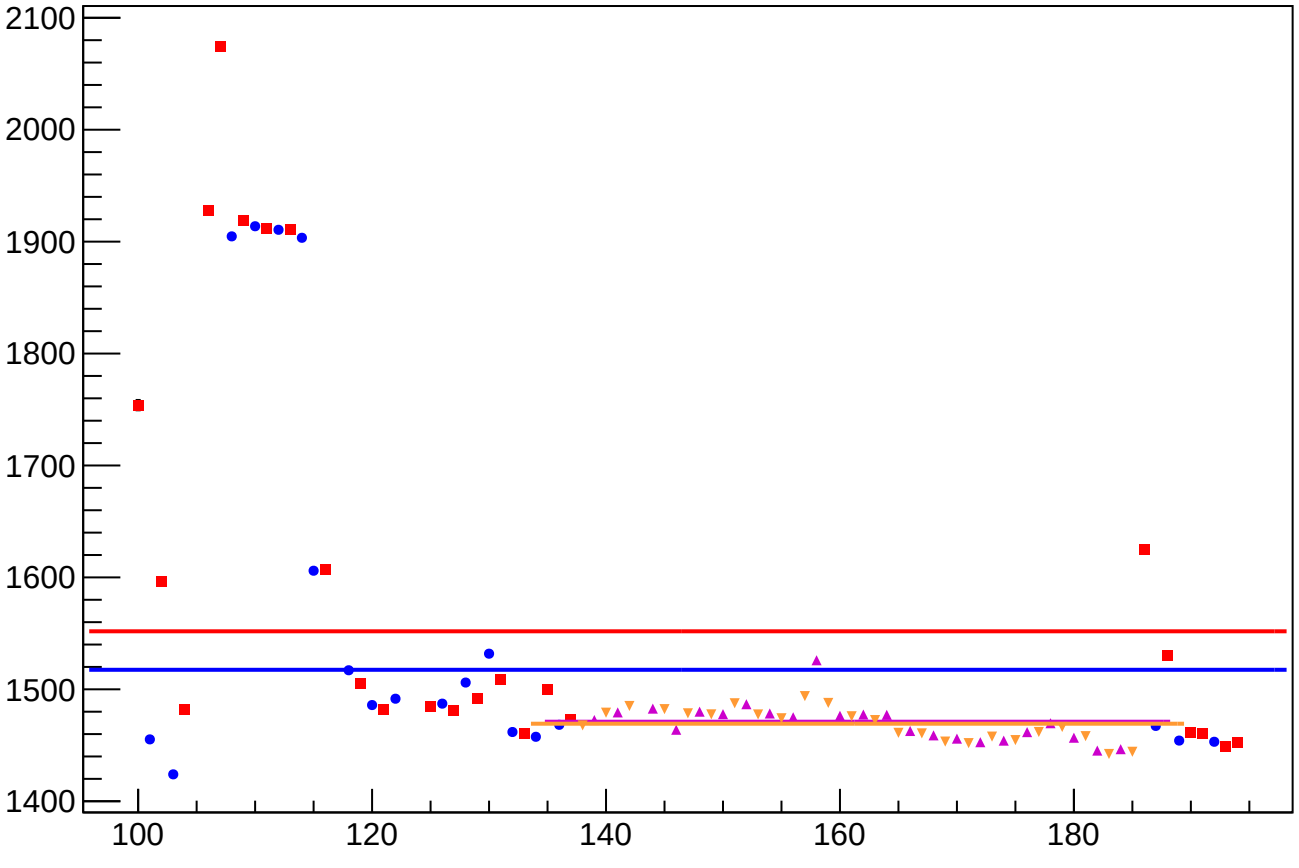
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1774.487+/-345.567 χ^2/NDF: 34.2/42

In: 1788.113+/-284.804 χ^2/NDF:41.8/41

Out: 1508.666+/-276.070 χ^2/NDF:38.8/47

All: 1644.039+/-198.227 χ^2/NDF: 81.1/89



Right In: 1517.444+/-0.360 χ^2/NDF: 137153.9/18

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1551.839+/-0.333 χ^2/NDF: 204187.6/23

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

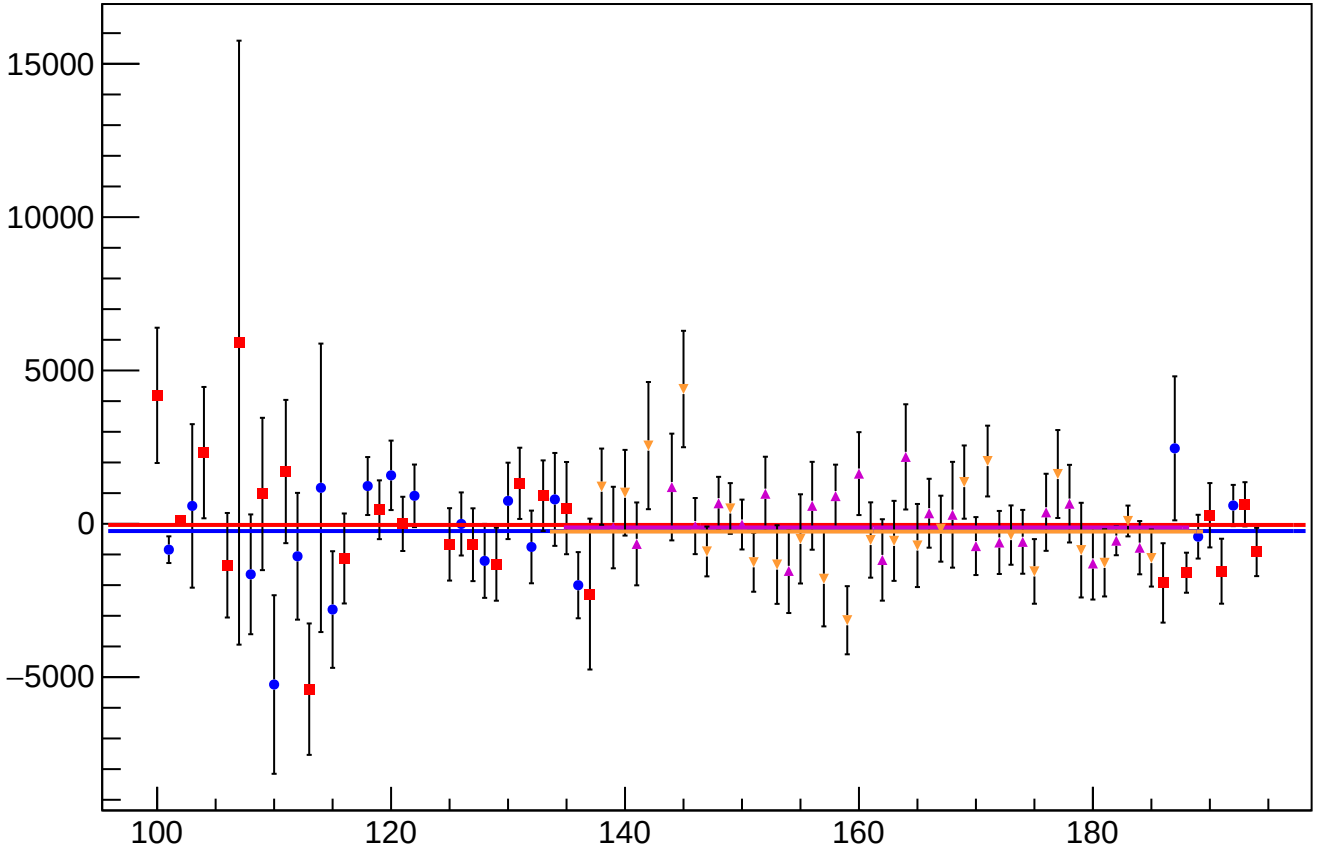
Right: 1536.016+/-0.244 χ^2/NDF: 346263.2/42

In: 1485.550+/-0.201 χ^2/NDF:153196.5/41

Out: 1497.722+/-0.195 χ^2/NDF:247753.3/47

All: 1491.826+/-0.140 χ^2/NDF: 402833.1/89

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -236.553+/-236.662 χ^2/NDF: 21.4/18

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -37.094+/-128.366 χ^2/NDF: 31.2/23

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

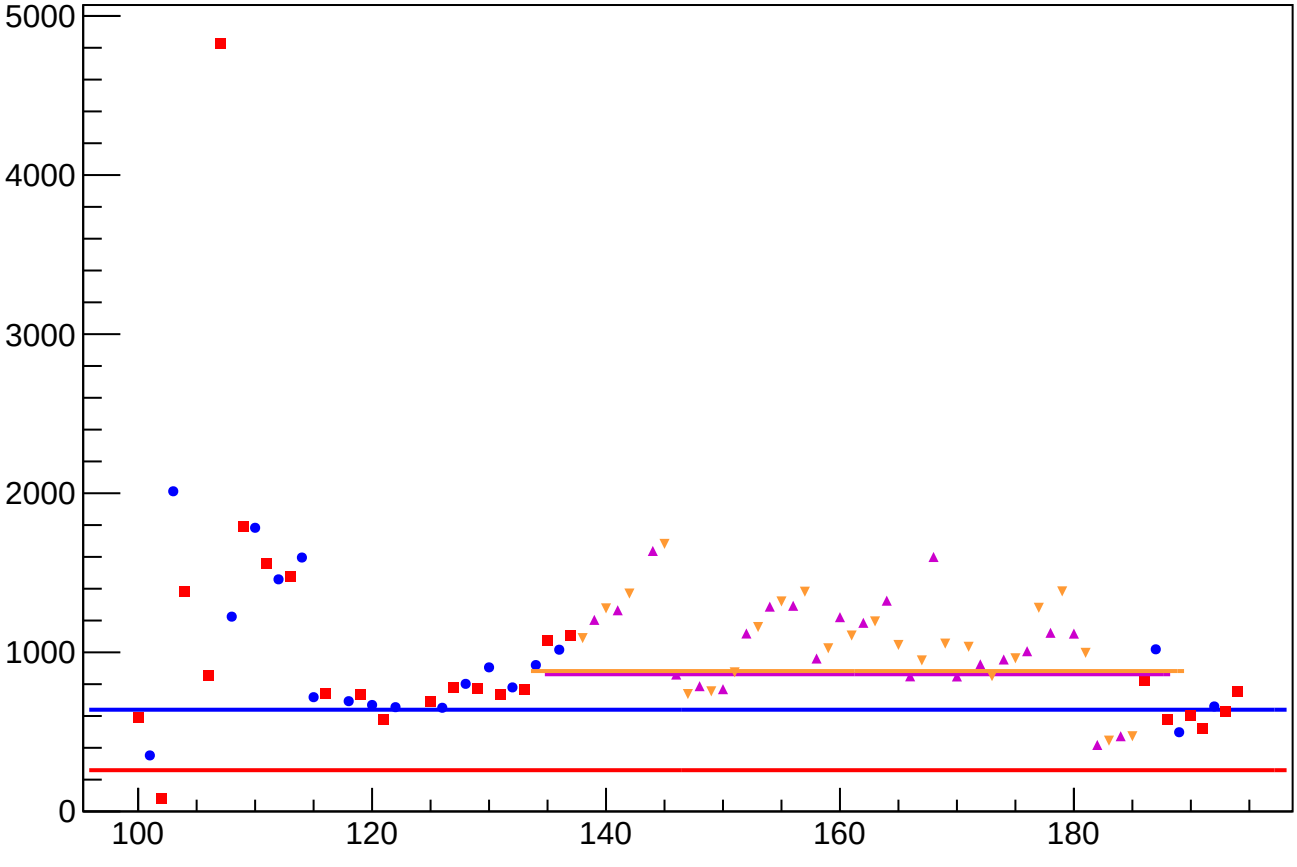
Right: -82.435+/-112.836 χ^2/NDF: 53.2/42

In: -172.876+/-159.531 χ^2/NDF:34.4/41

Out: -92.180+/-110.662 χ^2/NDF:64.6/47

All: -118.395+/-90.927 χ^2/NDF: 99.2/89

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 639.413+/-0.167 χ^2/NDF: 2899501.9/18

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 259.334+/-0.091 χ^2/NDF: 12175696.0/23

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

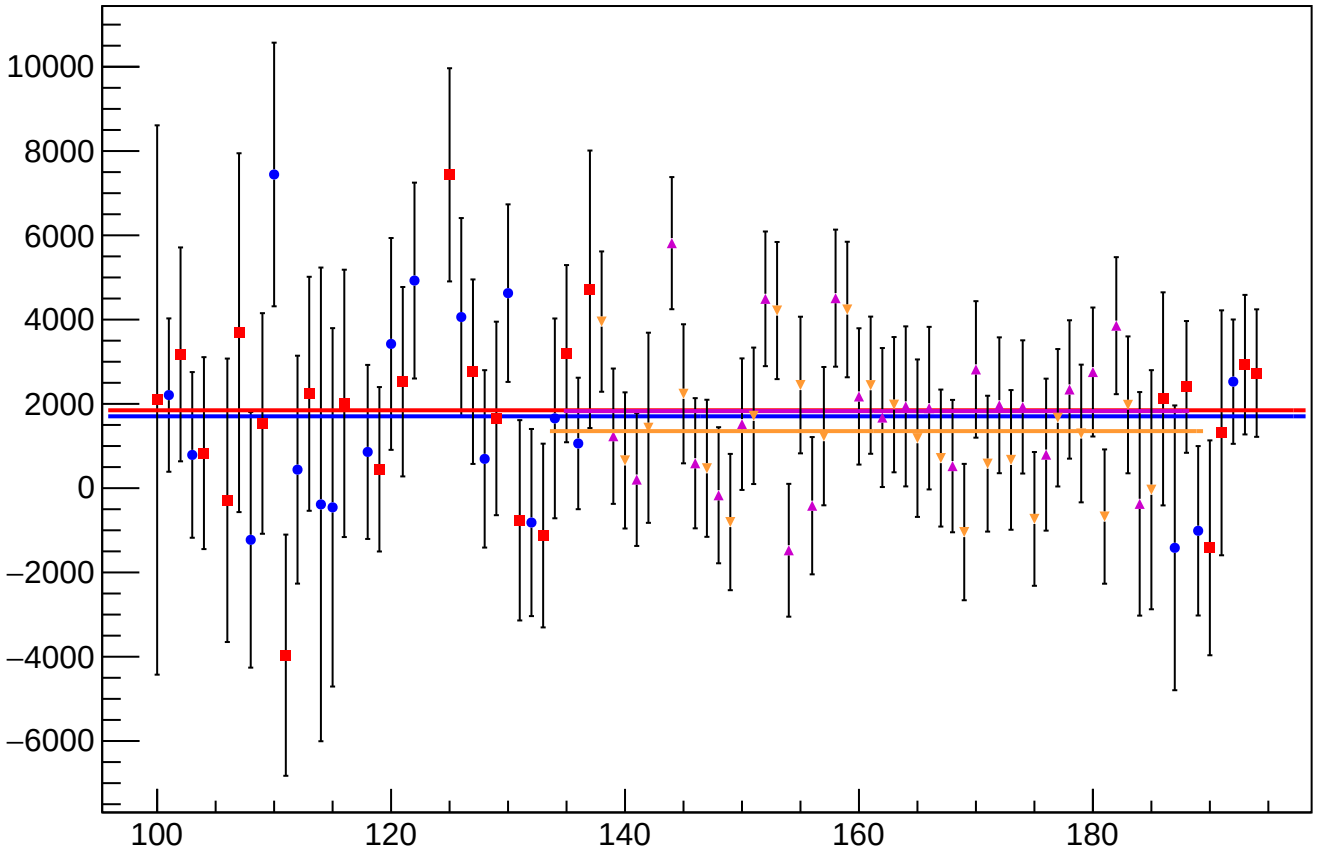
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 345.734+/-0.080 χ^2/NDF: 19061028.8/42

In: 761.022+/-0.113 χ^2/NDF:8236807.1/41

Out: 419.351+/-0.078 χ^2/NDF:28178990.5/47

All: 530.347+/-0.064 χ^2/NDF: 42609474.9/89



Right In: 1704.794+/-513.565 χ^2/NDF: 15.4/18

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: 1848.135+/-478.203 χ^2/NDF: 17.7/23

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

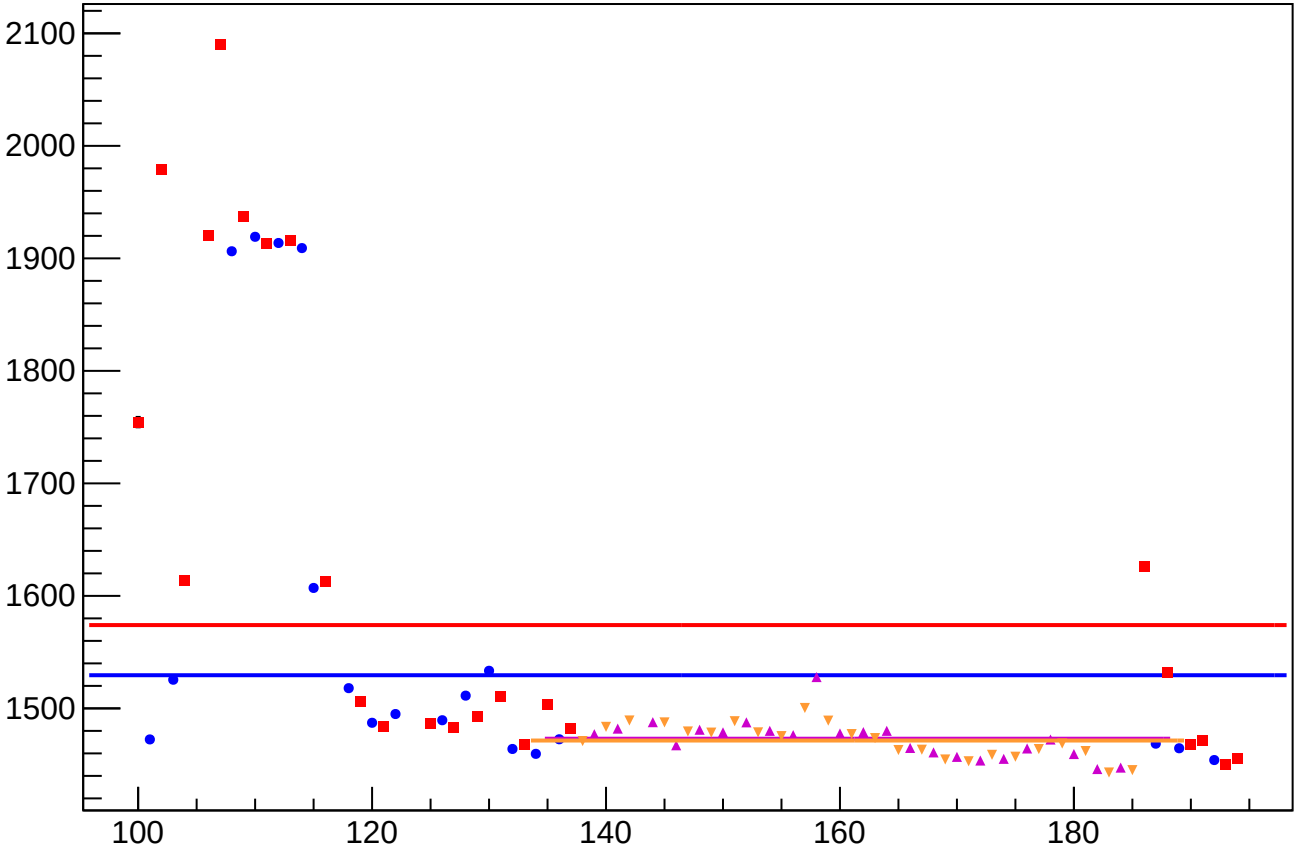
Right: 1781.568+/-349.975 χ^2/NDF: 33.1/42

In: 1790.021+/-285.780 χ^2/NDF:41.2/41

Out: 1520.727+/-277.948 χ^2/NDF:37.3/47

All: 1651.633+/-199.250 χ^2/NDF: 79.0/89

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1529.481+/-0.363 χ^2/NDF: 129956.0/18

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1574.050+/-0.338 χ^2/NDF: 256607.5/23

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

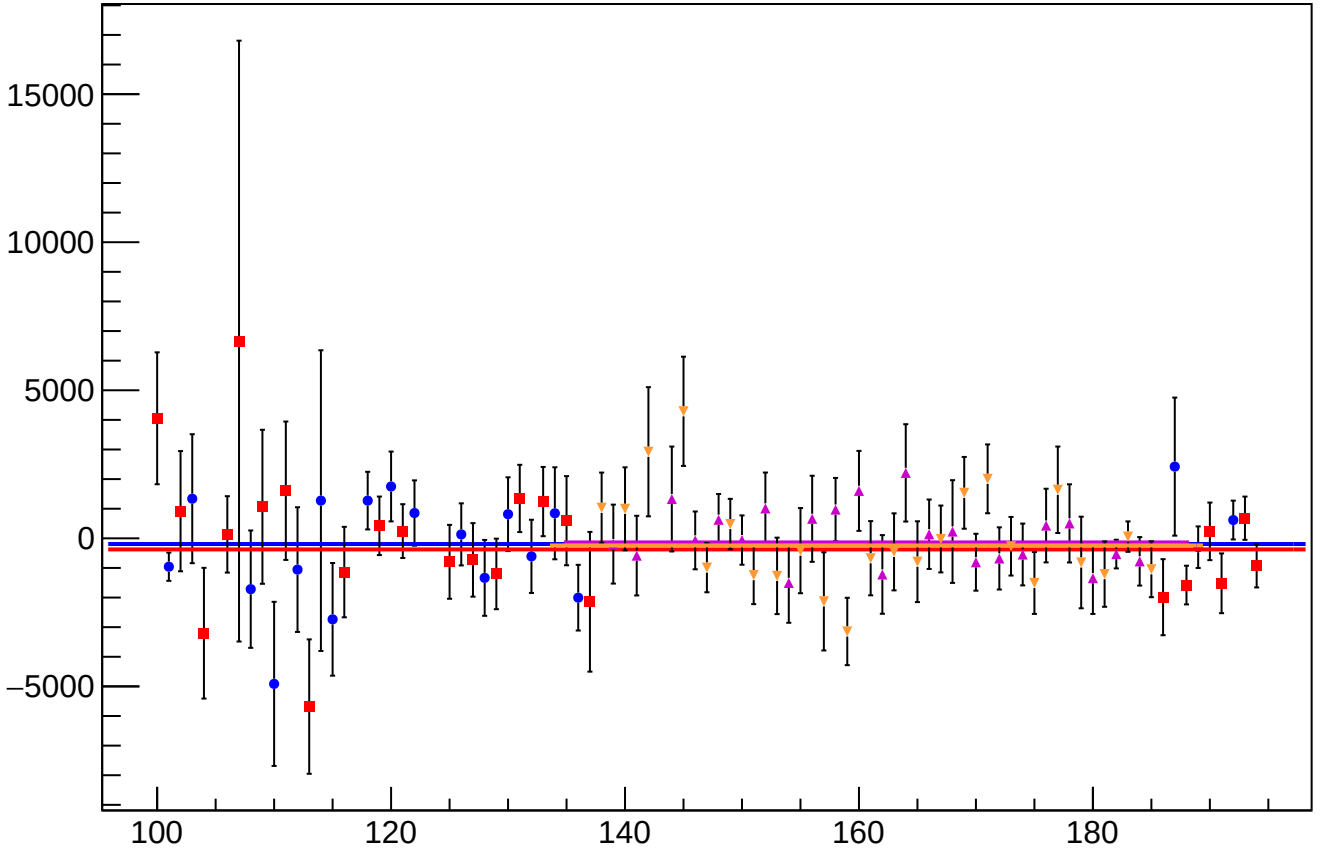
Right: 1553.353+/-0.247 χ^2/NDF: 394631.5/42

In: 1490.523+/-0.202 χ^2/NDF:151378.2/41

Out: 1506.103+/-0.197 χ^2/NDF:321023.5/47

All: 1498.529+/-0.141 χ^2/NDF: 475456.4/89

asym_usl_atl1_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -192.233+/-244.587 χ^2/NDF: 22.1/18

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: -374.499+/-240.395 χ^2/NDF: 29.7/23

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

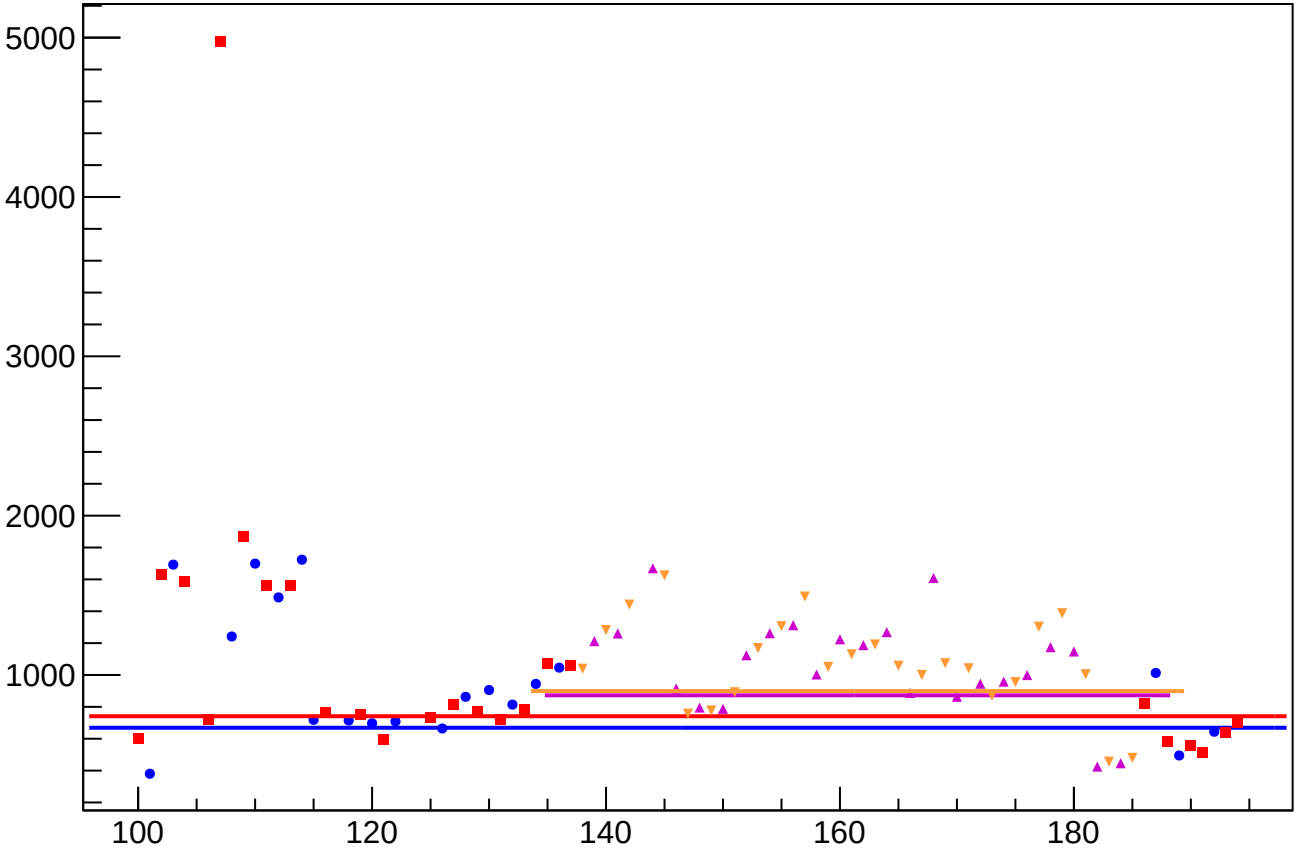
Right: -284.941+/-171.448 χ^2/NDF: 52.0/42

In: -162.303+/-162.939 χ^2/NDF:35.1/41

Out: -301.988+/-163.009 χ^2/NDF:62.3/47

All: -232.115+/-115.240 χ^2/NDF: 97.7/89

asym_usl_atl1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 668.905+/-0.173 χ^2/NDF: 2624921.8/18

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 741.123+/-0.170 χ^2/NDF: 2458512.8/23

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

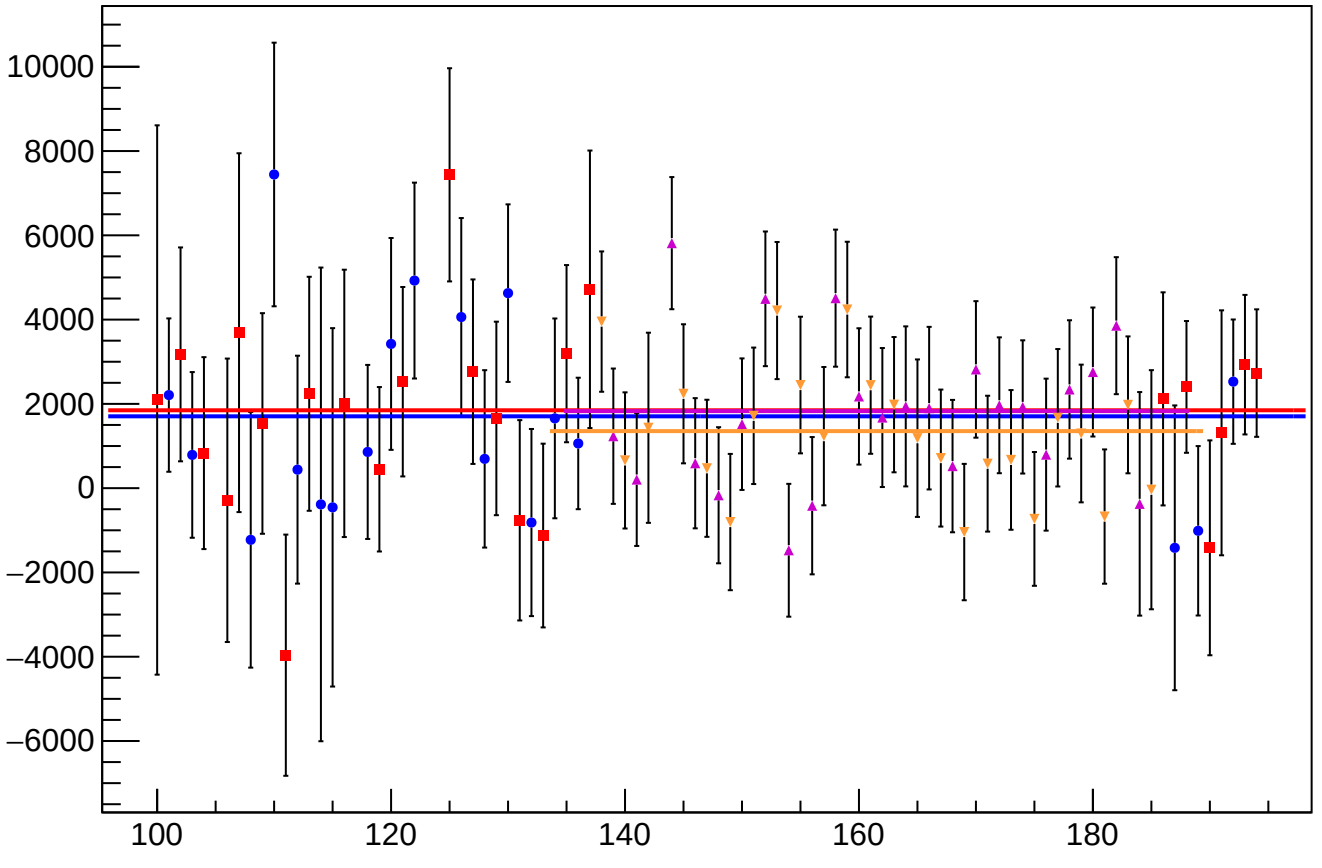
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 705.638+/-0.121 χ^2/NDF: 5172122.2/42

In: 782.130+/-0.115 χ^2/NDF:7831007.4/41

Out: 826.326+/-0.115 χ^2/NDF:6715129.8/47

All: 804.218+/-0.081 χ^2/NDF: 14619677.0/89



Right In: 1704.792+/-513.565 χ^2/NDF: 15.4/18

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: 1848.132+/-478.203 χ^2/NDF: 17.7/23

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

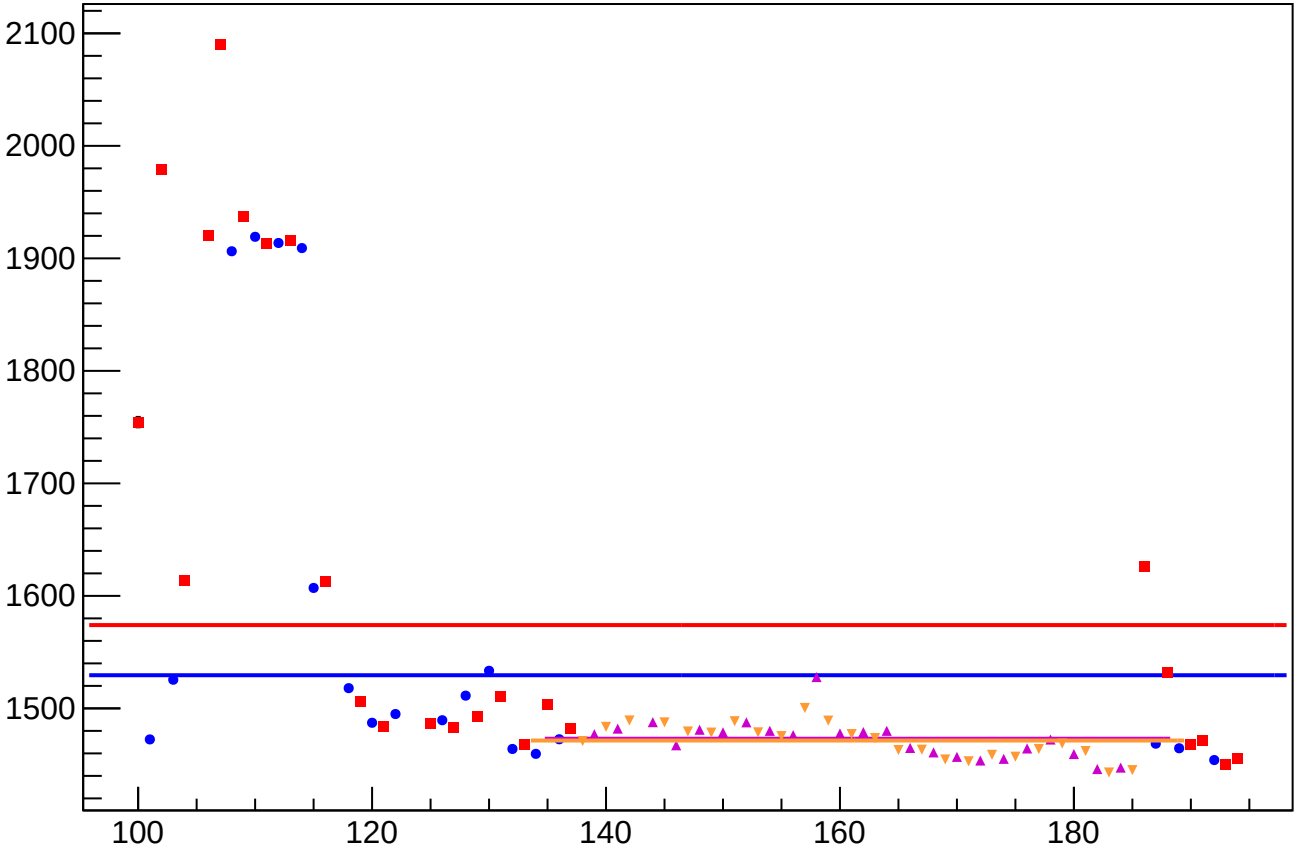
Right: 1781.566+/-349.975 χ^2/NDF: 33.1/42

In: 1790.021+/-285.780 χ^2/NDF:41.2/41

Out: 1520.725+/-277.948 χ^2/NDF:37.3/47

All: 1651.632+/-199.250 χ^2/NDF: 79.0/89

eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1529.481+/-0.363 χ^2/NDF: 129956.0/18

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1574.050+/-0.338 χ^2/NDF: 256607.2/23

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

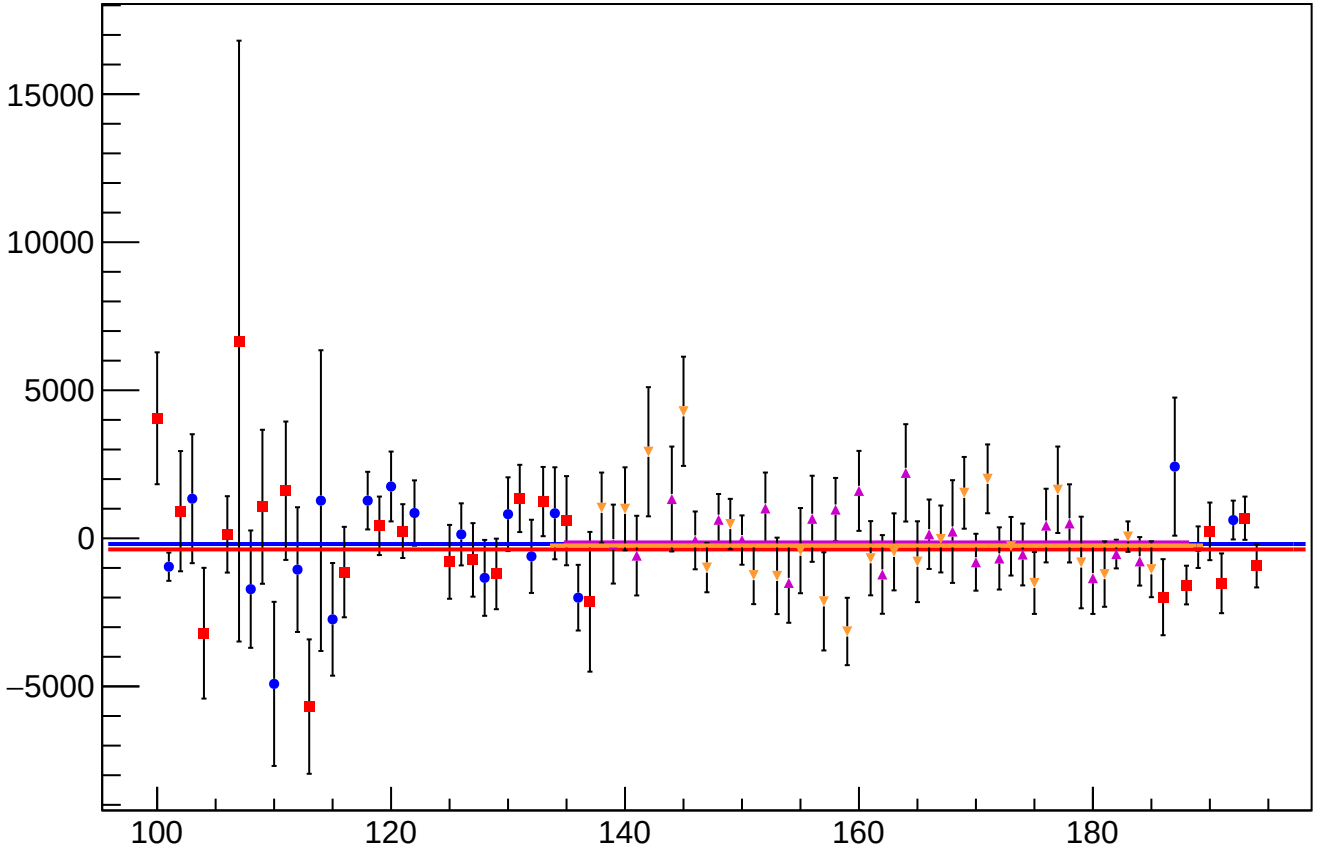
Right: 1553.352+/-0.247 χ^2/NDF: 394631.2/42

In: 1490.523+/-0.202 χ^2/NDF:151378.1/41

Out: 1506.103+/-0.197 χ^2/NDF:321023.0/47

All: 1498.529+/-0.141 χ^2/NDF: 475455.8/89

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -192.232+/-244.587 χ^2/NDF: 22.1/18

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: -374.498+/-240.395 χ^2/NDF: 29.7/23

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

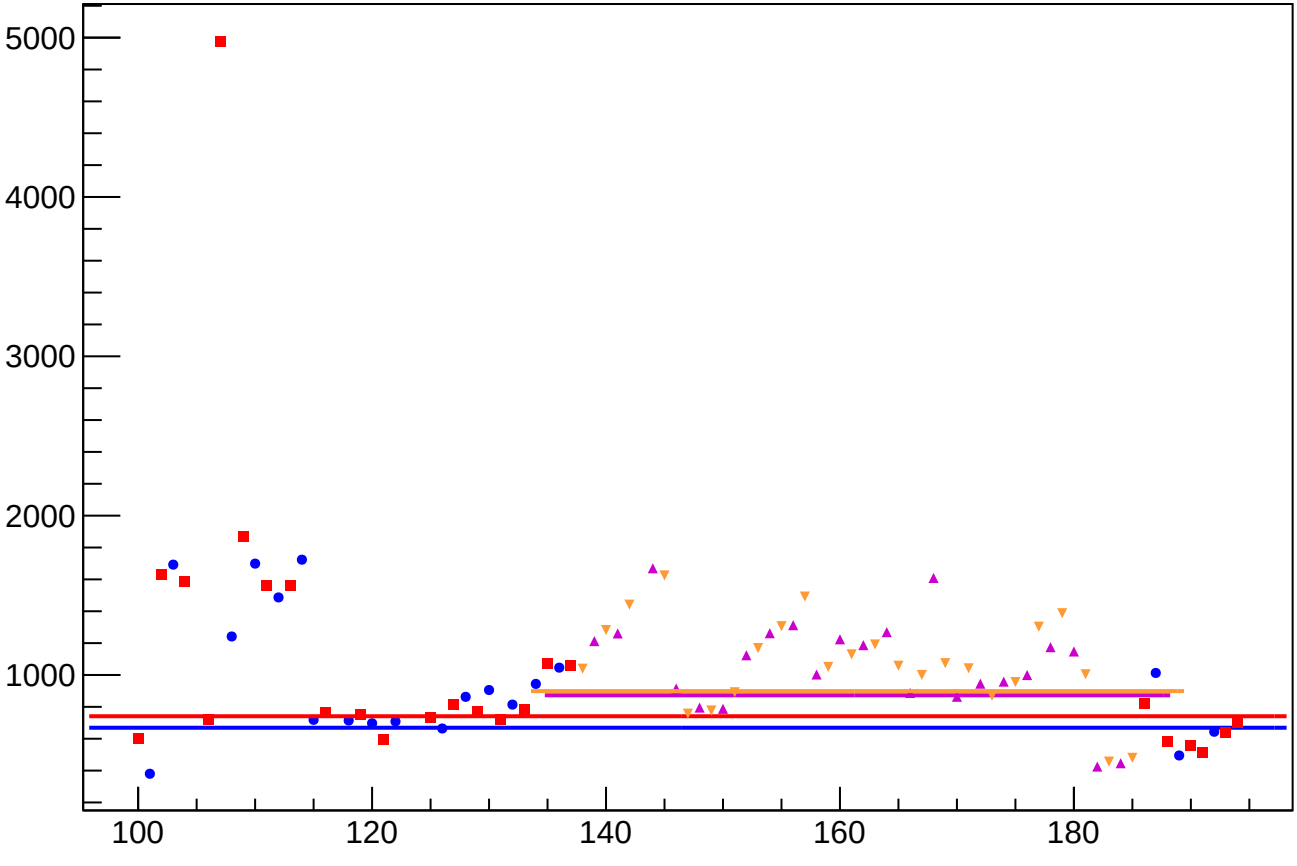
Right: -284.940+/-171.448 χ^2/NDF: 52.0/42

In: -162.302+/-162.939 χ^2/NDF:35.1/41

Out: -301.988+/-163.009 χ^2/NDF:62.3/47

All: -232.115+/-115.240 χ^2/NDF: 97.7/89

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 668.906+/-0.173 χ^2/NDF: 2624915.1/18

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 741.123+/-0.170 χ^2/NDF: 2458516.5/23

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

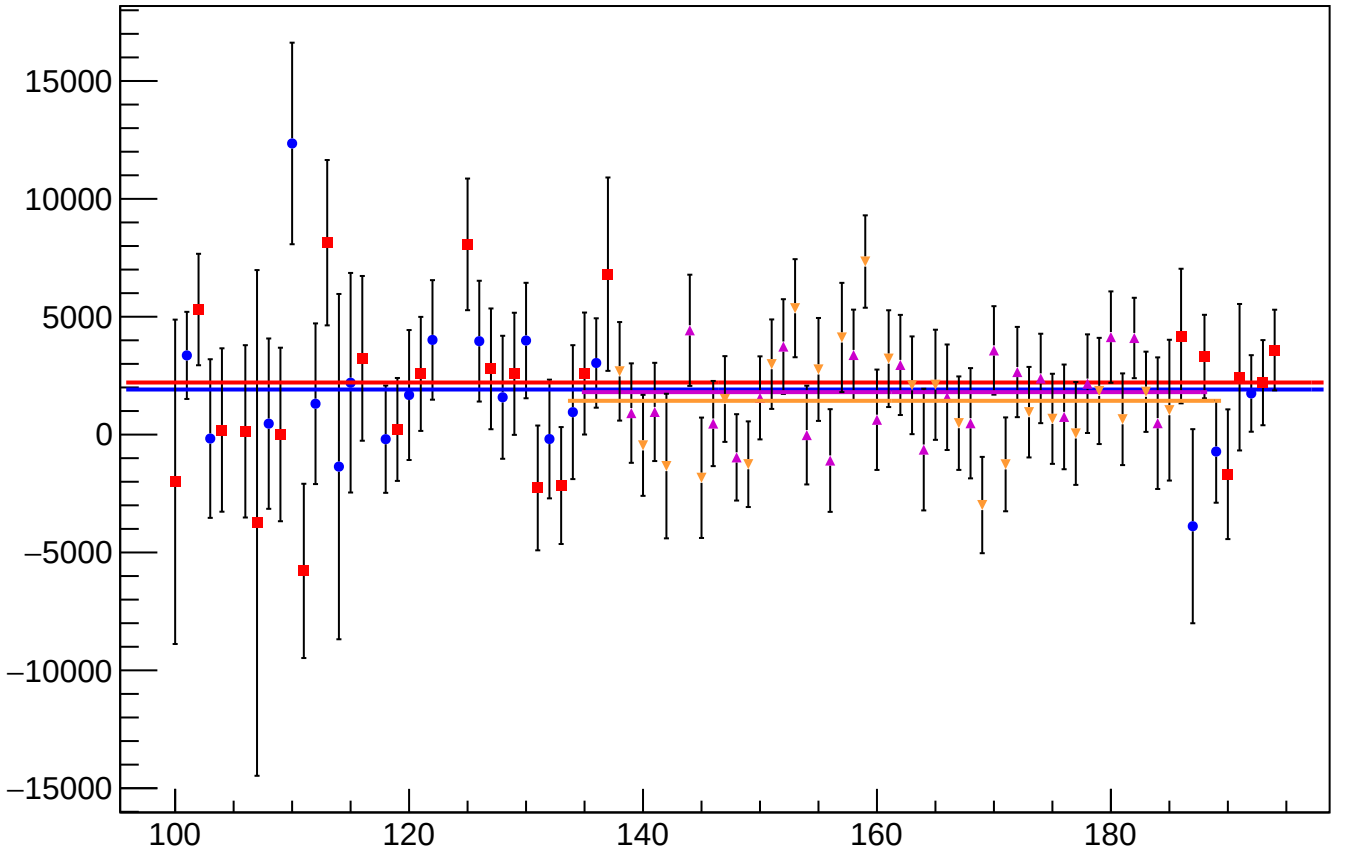
Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

Right: 705.638+/-0.121 χ^2/NDF: 5172117.9/42

In: 782.130+/-0.115 χ^2/NDF:7831014.4/41

Out: 826.326+/-0.115 χ^2/NDF:6715150.4/47

All: 804.219+/-0.081 χ^2/NDF: 14619703.5/89



Right In: 1912.538+/-595.502 χ^2/NDF: 14.9/18

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: 2209.899+/-548.221 χ^2/NDF: 27.1/23

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

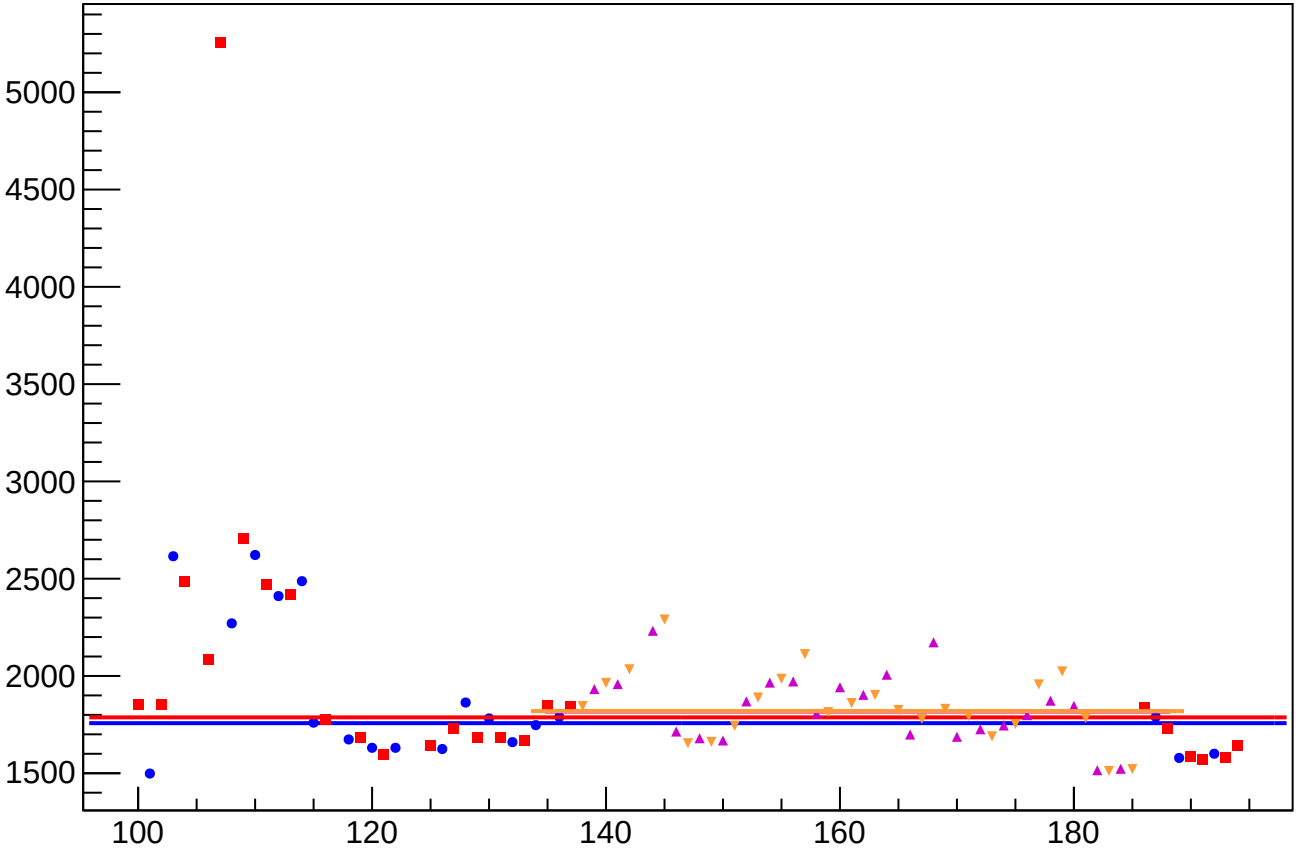
Right: 2073.490+/-403.332 χ^2/NDF: 42.2/42

In: 1839.172+/-346.733 χ^2/NDF:30.2/41

Out: 1724.375+/-335.624 χ^2/NDF:57.8/47

All: 1779.905+/-241.154 χ^2/NDF: 88.0/89

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1757.433+/-0.421 χ^2/NDF: 441537.5/18

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1787.172+/-0.388 χ^2/NDF: 663207.5/23

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

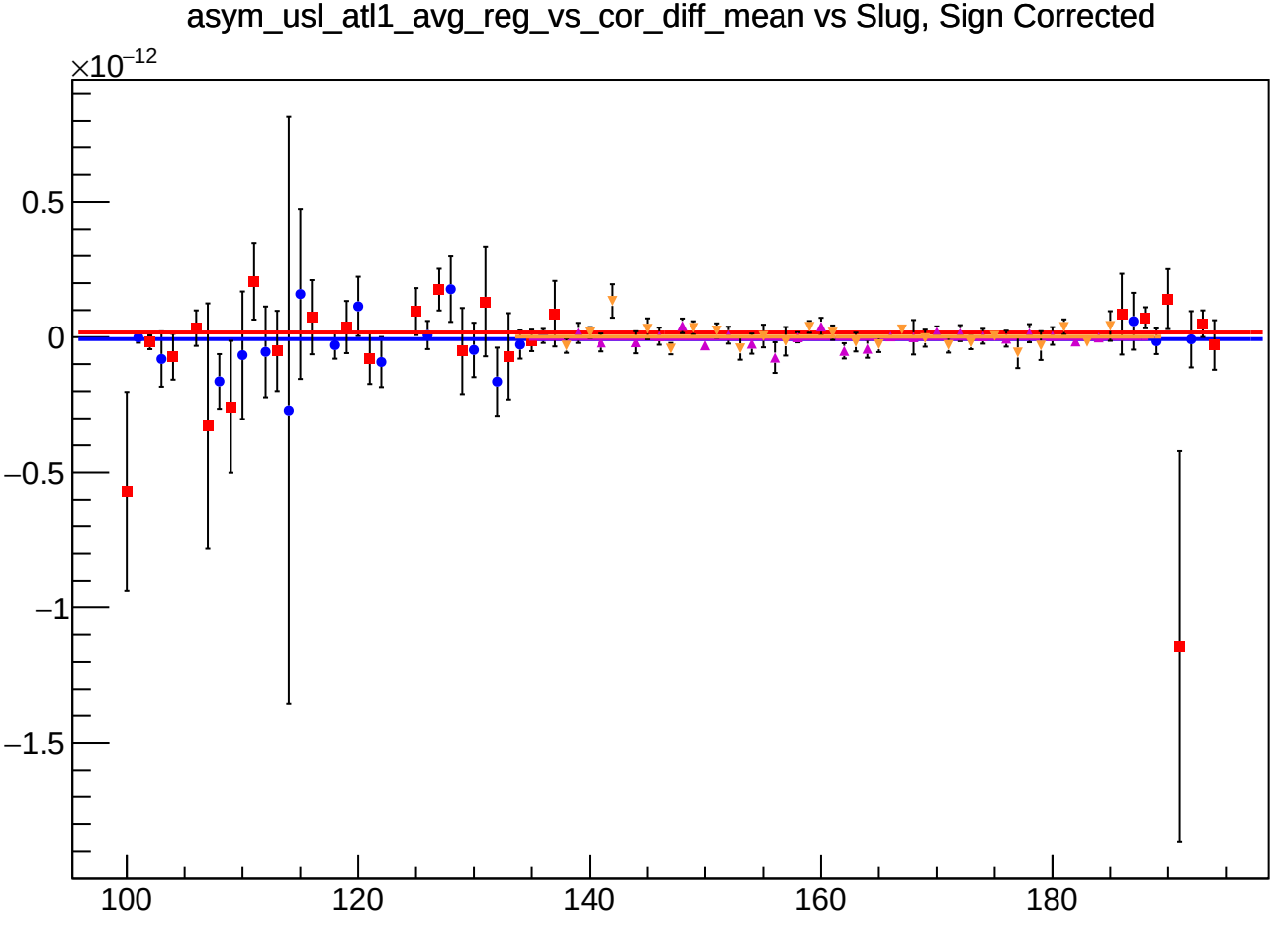
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1773.530+/-0.285 χ^2/NDF: 1107444.8/42

In: 1796.899+/-0.245 χ^2/NDF:761930.4/41

Out: 1807.332+/-0.237 χ^2/NDF:962548.3/47

All: 1802.286+/-0.171 χ^2/NDF: 1725413.5/89



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/23

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

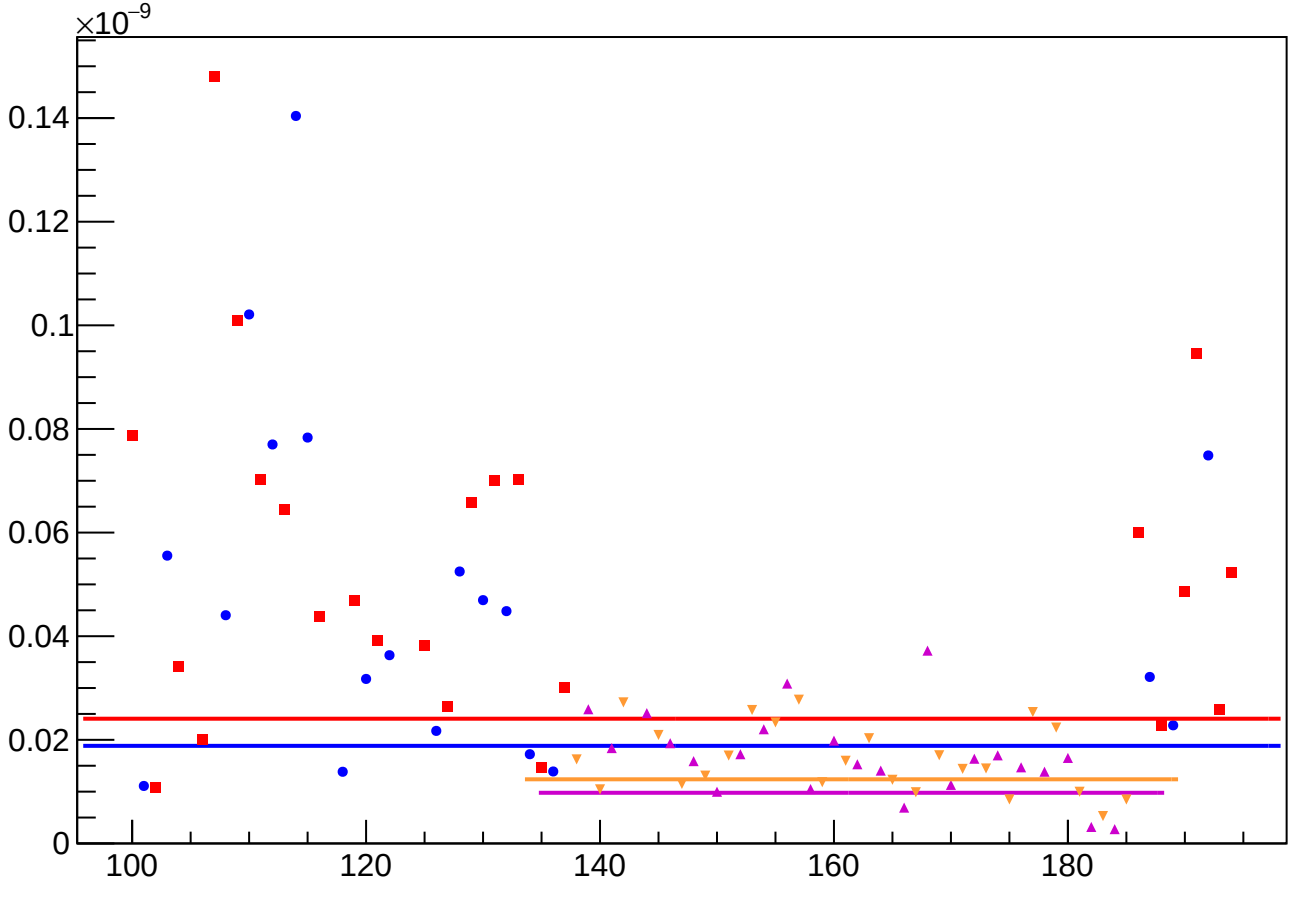
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 36.5/42

In: -0.000+/-0.000 χ^2/NDF:28.6/41

Out: 0.000+/-0.000 χ^2/NDF:54.5/47

All: -0.000+/-0.000 χ^2/NDF: 85.4/89



Right In: 0.000+/-0.000 χ^2/NDF: 2487912.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2554816.5/23

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

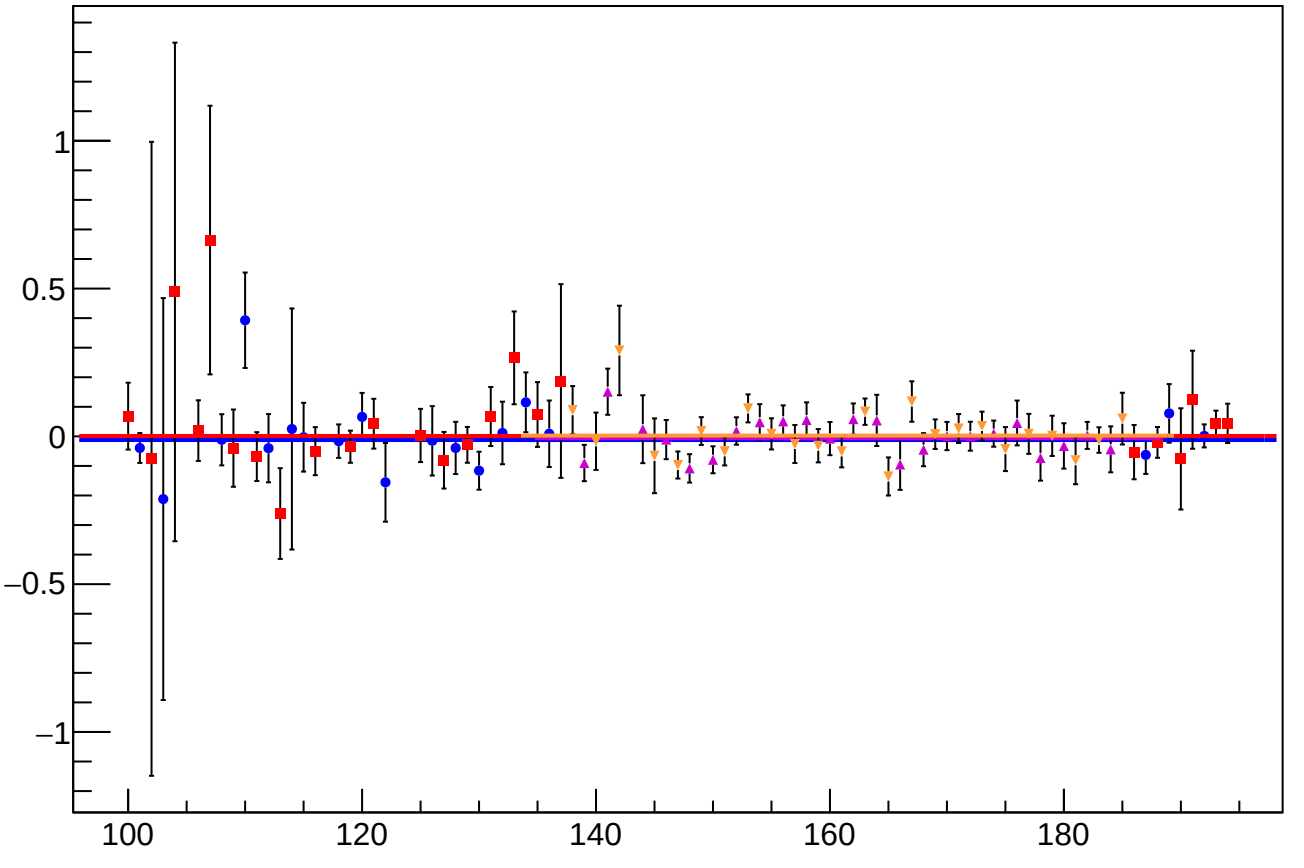
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 5192042.6/42

In: 0.000+/-0.000 χ^2/NDF:7914520.0/41

Out: 0.000+/-0.000 χ^2/NDF:5593695.9/47

All: 0.000+/-0.000 χ^2/NDF: 13885179.5/89



Right In: -0.012+/-0.018 χ^2/NDF: 14.8/18

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.018 χ^2/NDF: 15.3/23

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

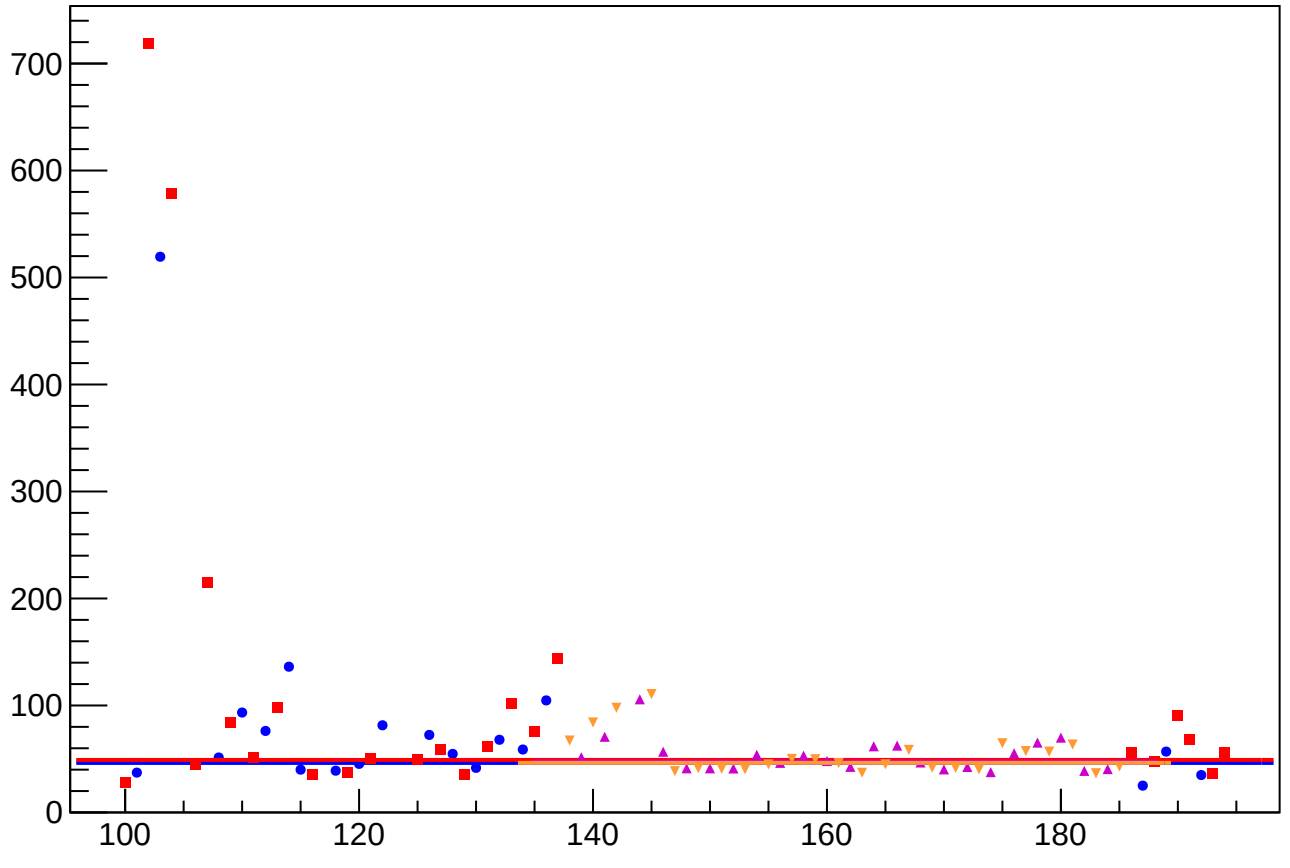
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.005+/-0.013 χ^2/NDF: 30.4/42

In: -0.008+/-0.010 χ^2/NDF:36.5/41

Out: 0.002+/-0.010 χ^2/NDF:45.2/47

All: -0.003+/-0.007 χ^2/NDF: 82.2/89



Right In: 46.295+/-0.013 χ^2/NDF: 2811835.0/18

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 49.096+/-0.013 χ^2/NDF: 3411687.6/23

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

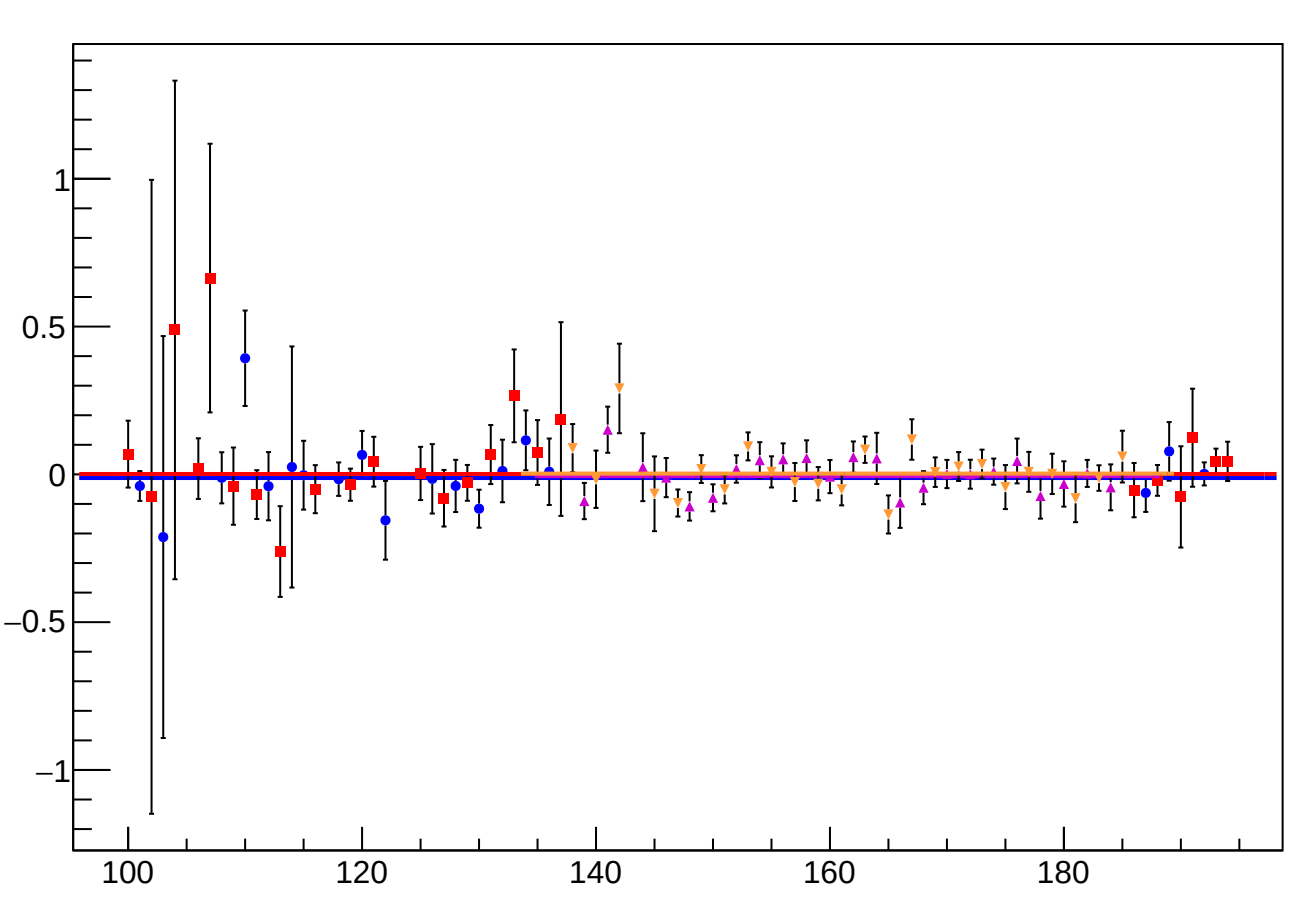
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 47.731+/-0.009 χ^2/NDF: 6247270.2/42

In: 47.187+/-0.007 χ^2/NDF:4394773.9/41

Out: 47.190+/-0.007 χ^2/NDF:5411896.2/47

All: 47.189+/-0.005 χ^2/NDF: 9806670.3/89



Right In: -0.012+/-0.018 χ^2/NDF: 14.8/18

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.018 χ^2/NDF: 15.3/23

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

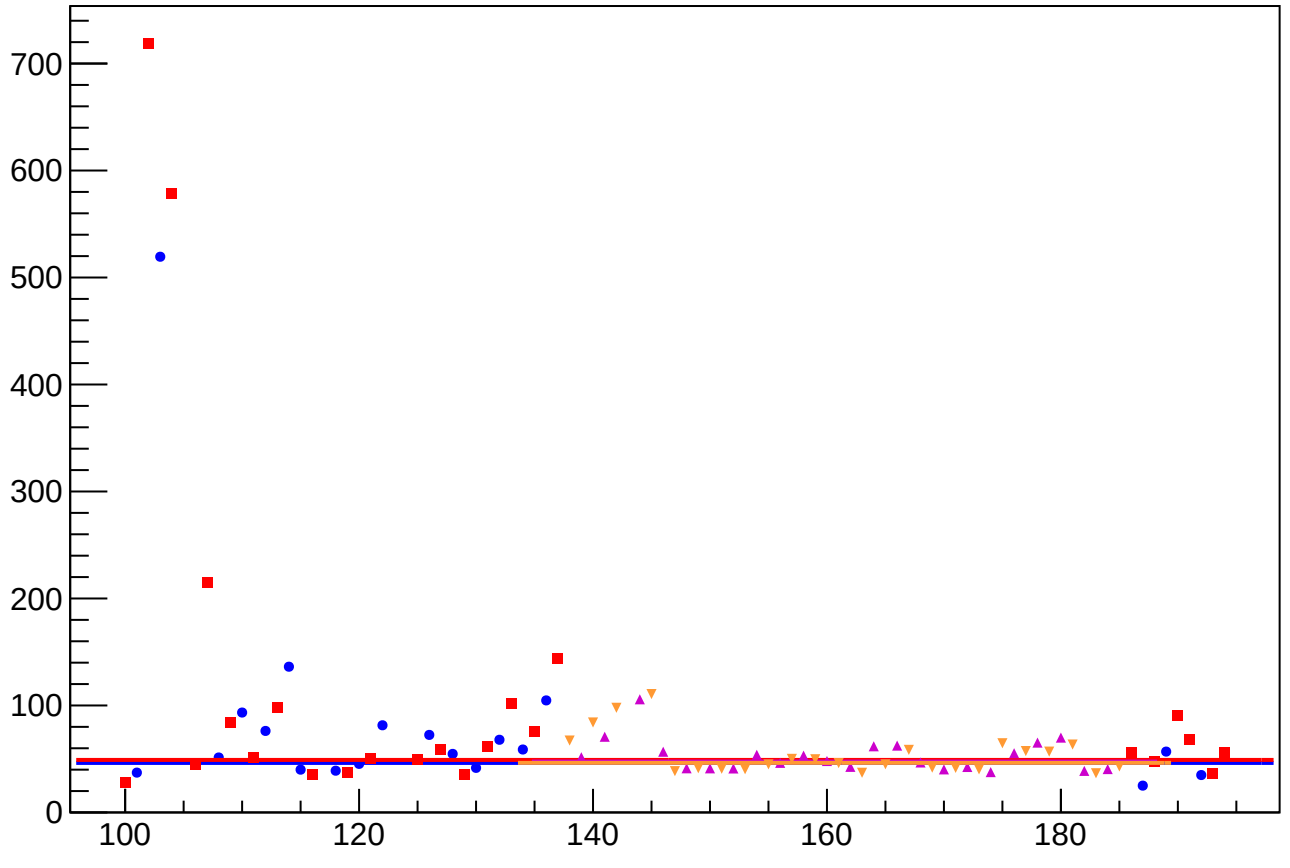
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.005+/-0.013 χ^2/NDF: 30.4/42

In: -0.008+/-0.010 χ^2/NDF:36.5/41

Out: 0.002+/-0.010 χ^2/NDF:45.2/47

All: -0.003+/-0.007 χ^2/NDF: 82.2/89



Right In: 46.295+/-0.013 χ^2/NDF: 2811835.0/18

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 49.096+/-0.013 χ^2/NDF: 3411687.6/23

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

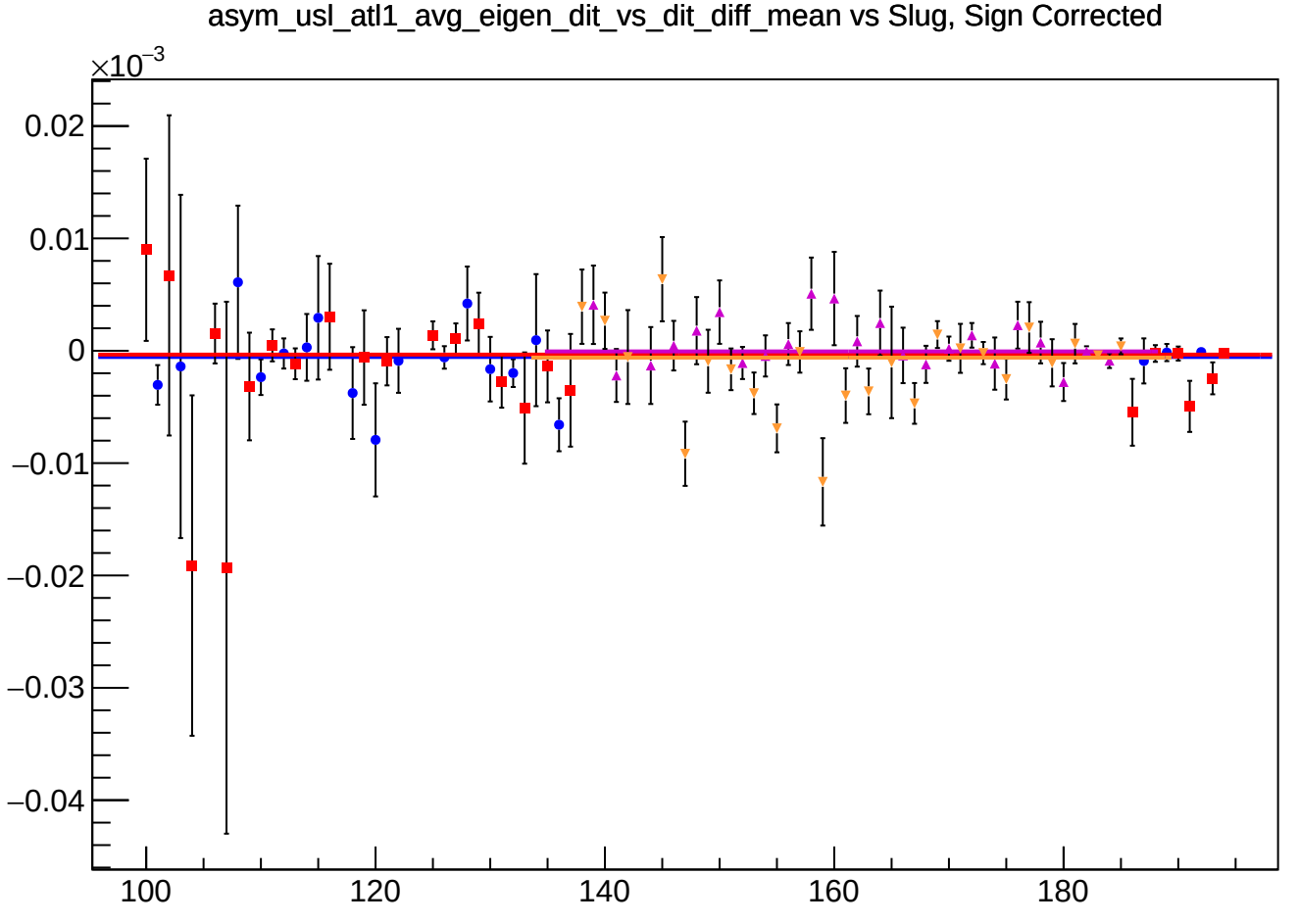
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 47.731+/-0.009 χ^2/NDF: 6247270.2/42

In: 47.187+/-0.007 χ^2/NDF:4394773.9/41

Out: 47.190+/-0.007 χ^2/NDF:5411896.2/47

All: 47.189+/-0.005 χ^2/NDF: 9806670.3/89



Right In: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.7/23

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 73.8/46

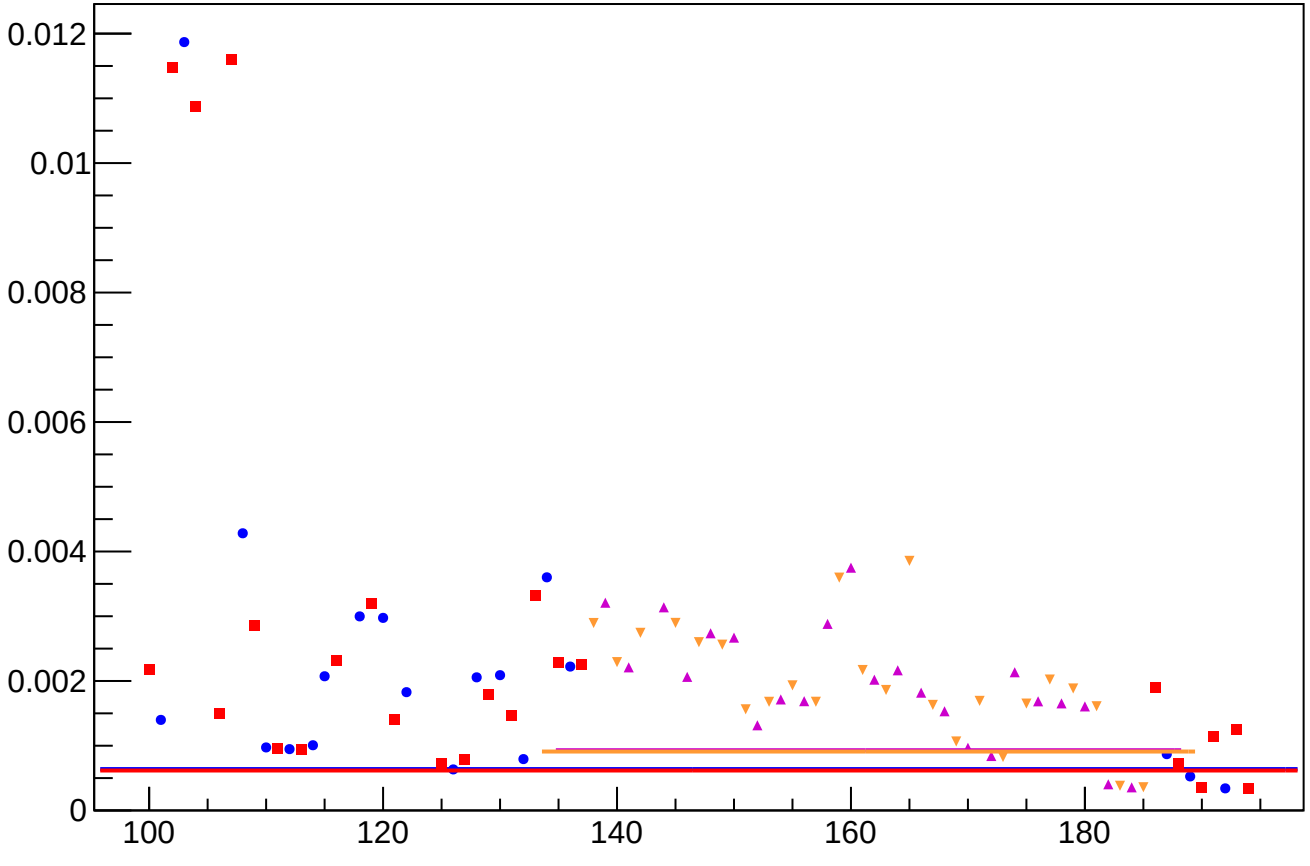
Right: -0.000+/-0.000 χ^2/NDF: 41.2/42

In: -0.000+/-0.000 χ^2/NDF:38.6/41

Out: -0.000+/-0.000 χ^2/NDF:76.1/47

All: -0.000+/-0.000 χ^2/NDF: 115.1/89

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7282388.5/18

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

Right Out: 0.001+/-0.000 χ^2/NDF: 9159778.3/23

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

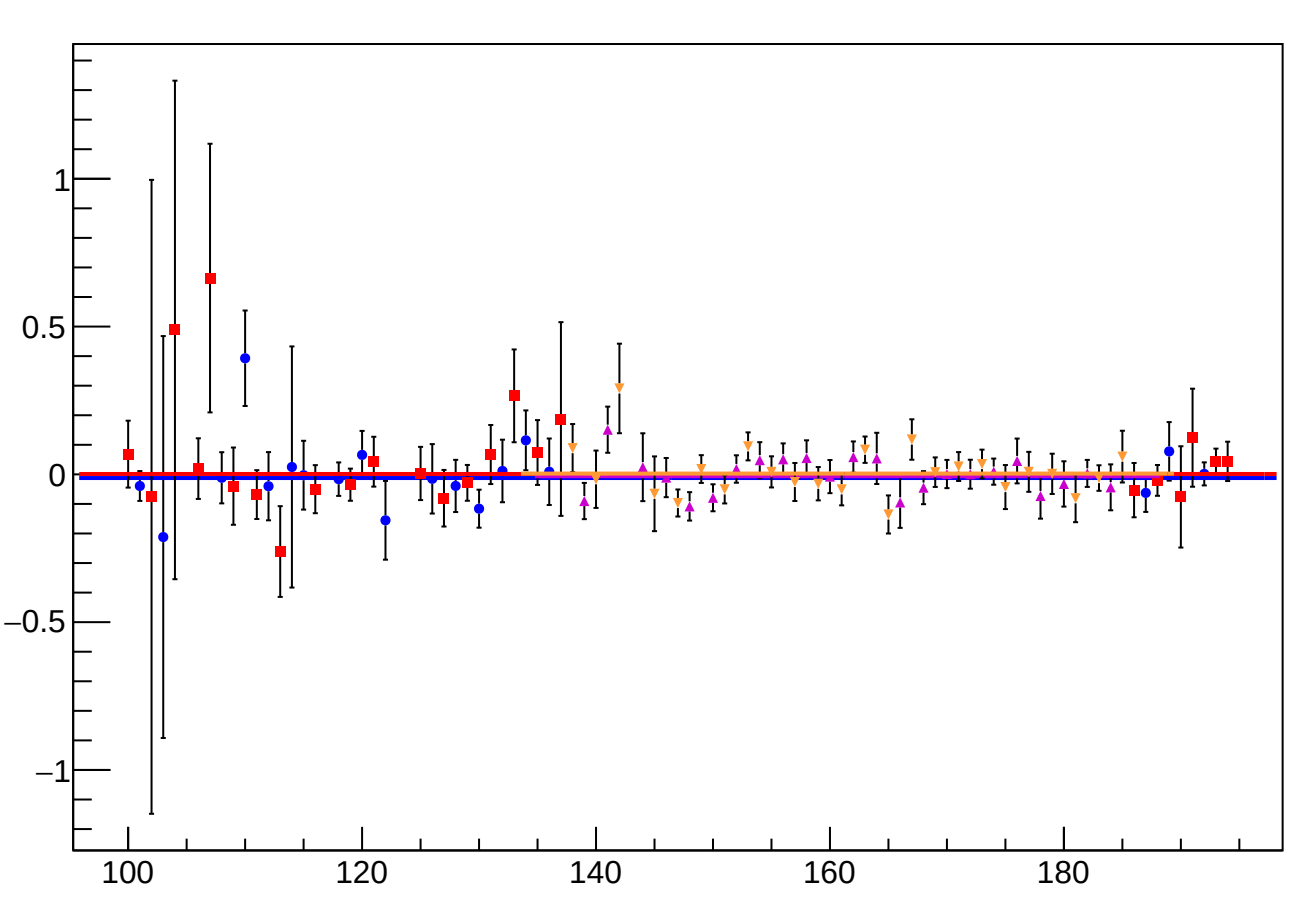
Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

Right: 0.001+/-0.000 χ^2/NDF: 16448640.4/42

In: 0.001+/-0.000 χ^2/NDF:22001259.9/41

Out: 0.001+/-0.000 χ^2/NDF:24503168.6/47

All: 0.001+/-0.000 χ^2/NDF: 46544782.5/89



Right In: -0.012+/-0.018 χ^2/NDF: 14.8/18

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.018 χ^2/NDF: 15.3/23

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

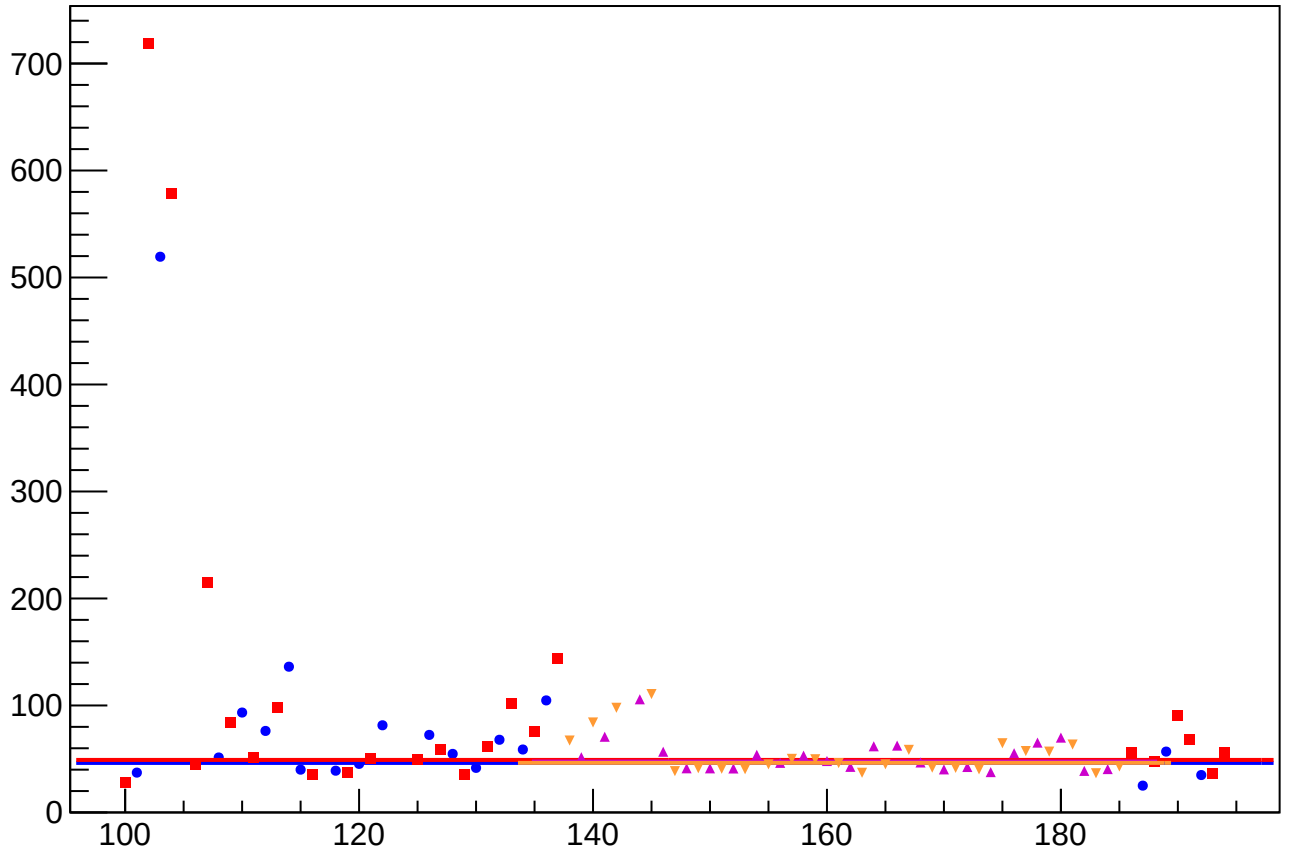
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

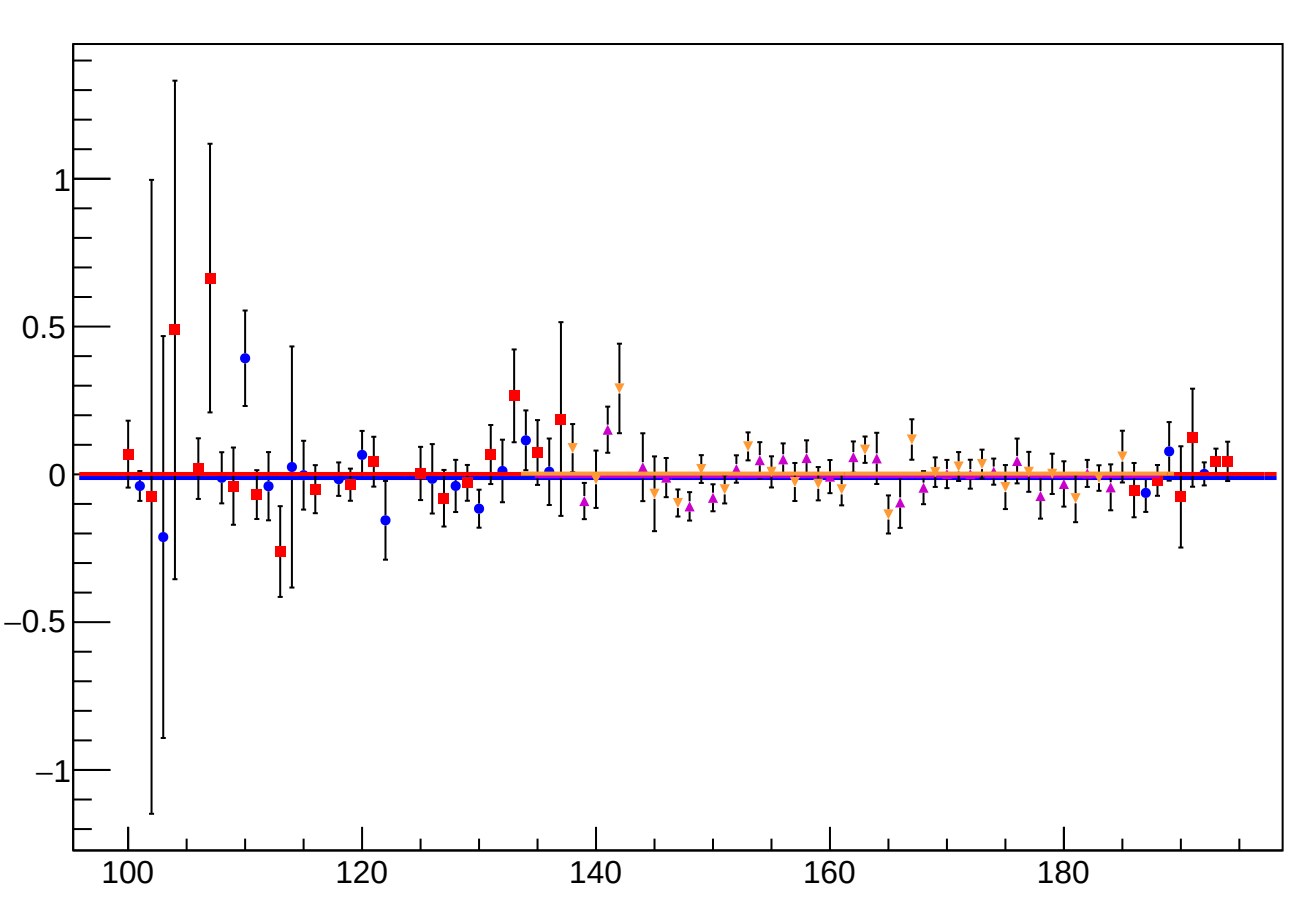
Right: -0.005+/-0.013 χ^2/NDF: 30.4/42

In: -0.008+/-0.010 χ^2/NDF:36.5/41

Out: 0.002+/-0.010 χ^2/NDF:45.2/47

All: -0.003+/-0.007 χ^2/NDF: 82.2/89


asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
700
600
500
400
300
200
100
0
100
120
140
160
180
Right In: 46.295+/-0.013 χ²/NDF: 2811826.0/18
Left Out: 46.354+/-0.008 χ²/NDF:1967741.3/23
Right Out: 49.096+/-0.013 χ²/NDF: 3411680.1/23
Left In: 47.575+/-0.009 χ²/NDF:1576204.5/22
Left: 46.952+/-0.006 χ²/NDF: 3554282.4/46
Right: 47.731+/-0.009 χ²/NDF: 6247251.1/42
In: 47.187+/-0.007 χ²/NDF:4394775.0/41
Out: 47.190+/-0.007 χ²/NDF:5411866.7/47
All: 47.189+/-0.005 χ²/NDF: 9806641.9/89



Right In: -0.012+/-0.018 χ^2/NDF: 14.8/18

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.018 χ^2/NDF: 15.3/23

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

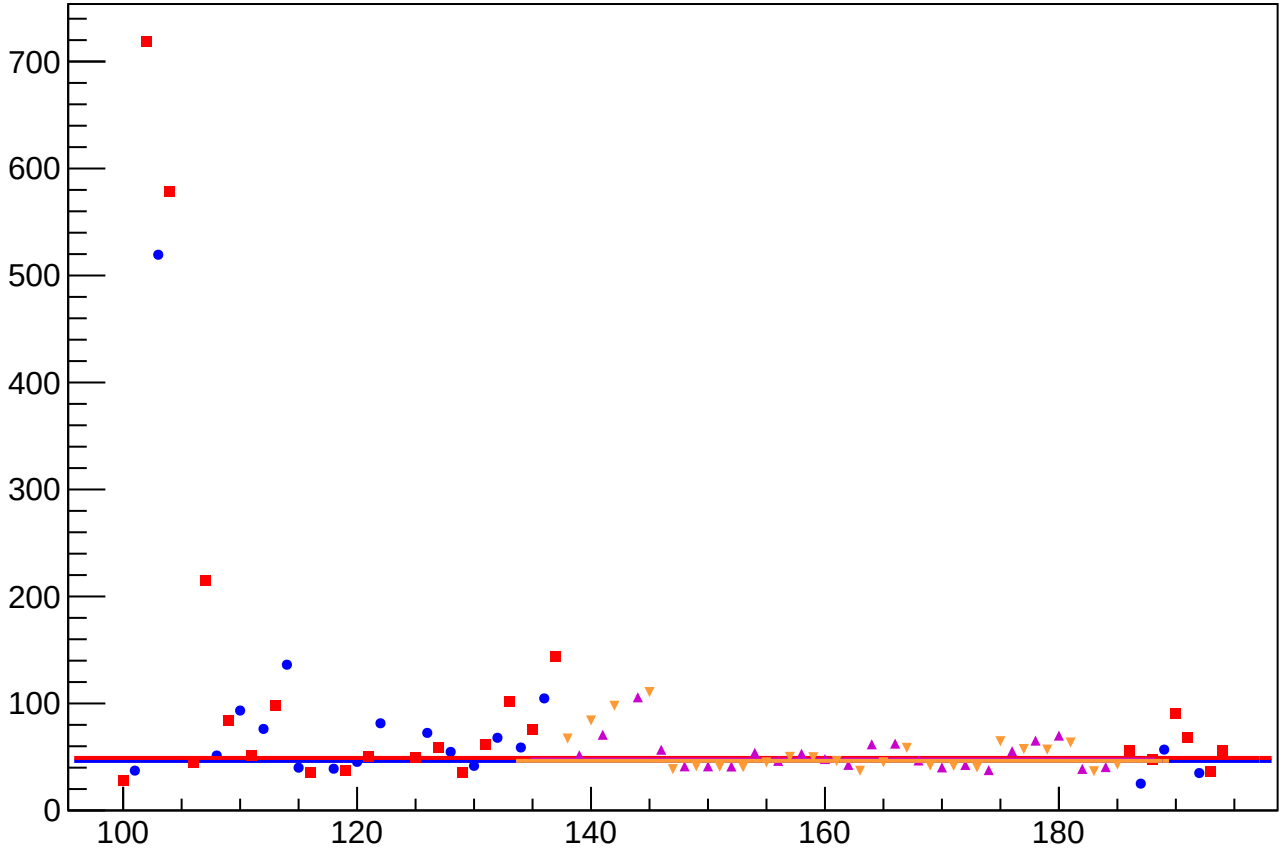
Right: -0.005+/-0.013 χ^2/NDF: 30.4/42

In: -0.008+/-0.010 χ^2/NDF:36.5/41

Out: 0.002+/-0.010 χ^2/NDF:45.2/47

All: -0.003+/-0.007 χ^2/NDF: 82.2/89

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.295+/-0.013 χ^2/NDF: 2811826.0/18

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 49.096+/-0.013 χ^2/NDF: 3411680.1/23

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

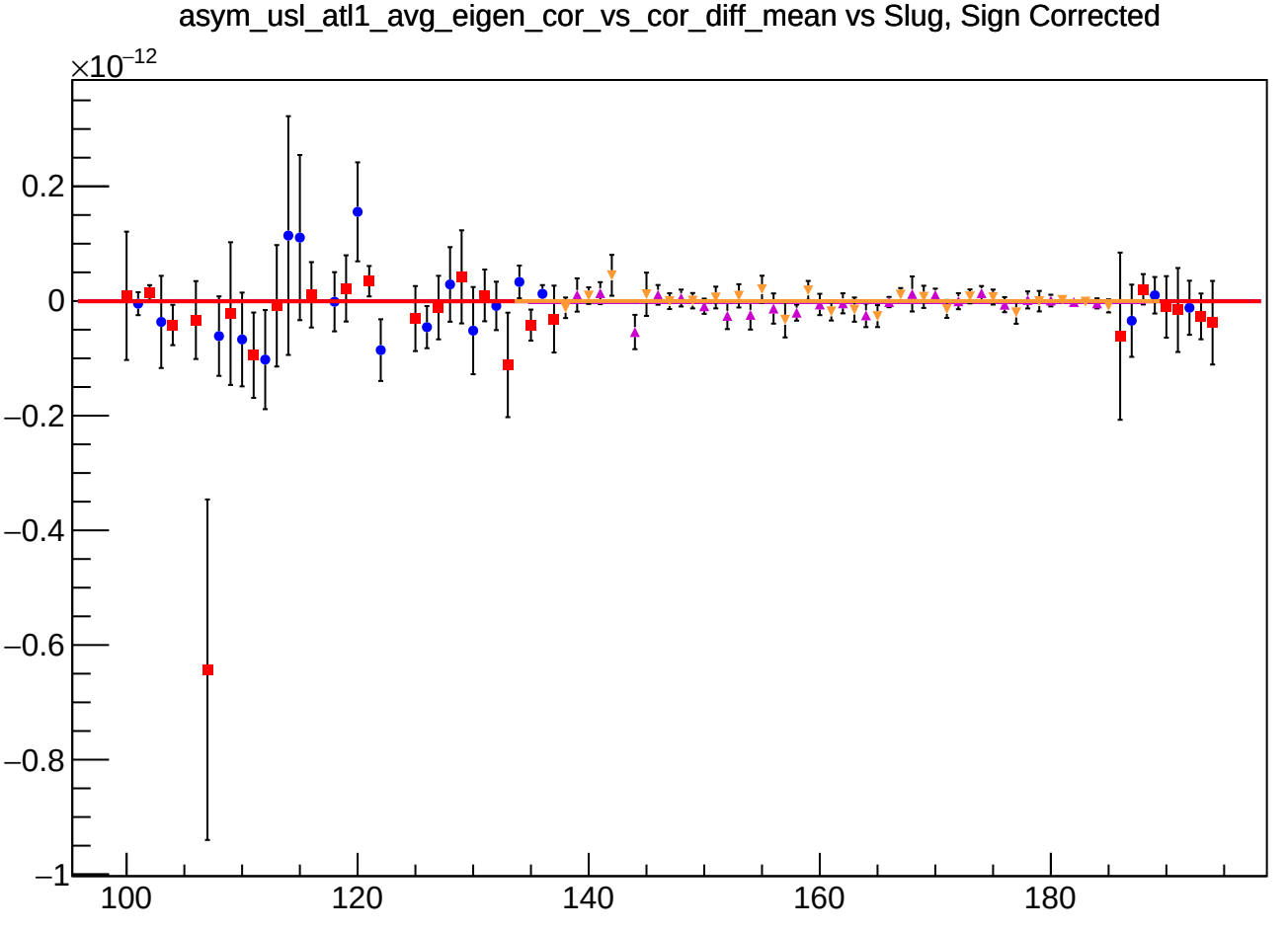
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 47.731+/-0.009 χ^2/NDF: 6247251.1/42

In: 47.187+/-0.007 χ^2/NDF:4394775.0/41

Out: 47.190+/-0.007 χ^2/NDF:5411866.7/47

All: 47.189+/-0.005 χ^2/NDF: 9806641.9/89



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/18

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/23

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

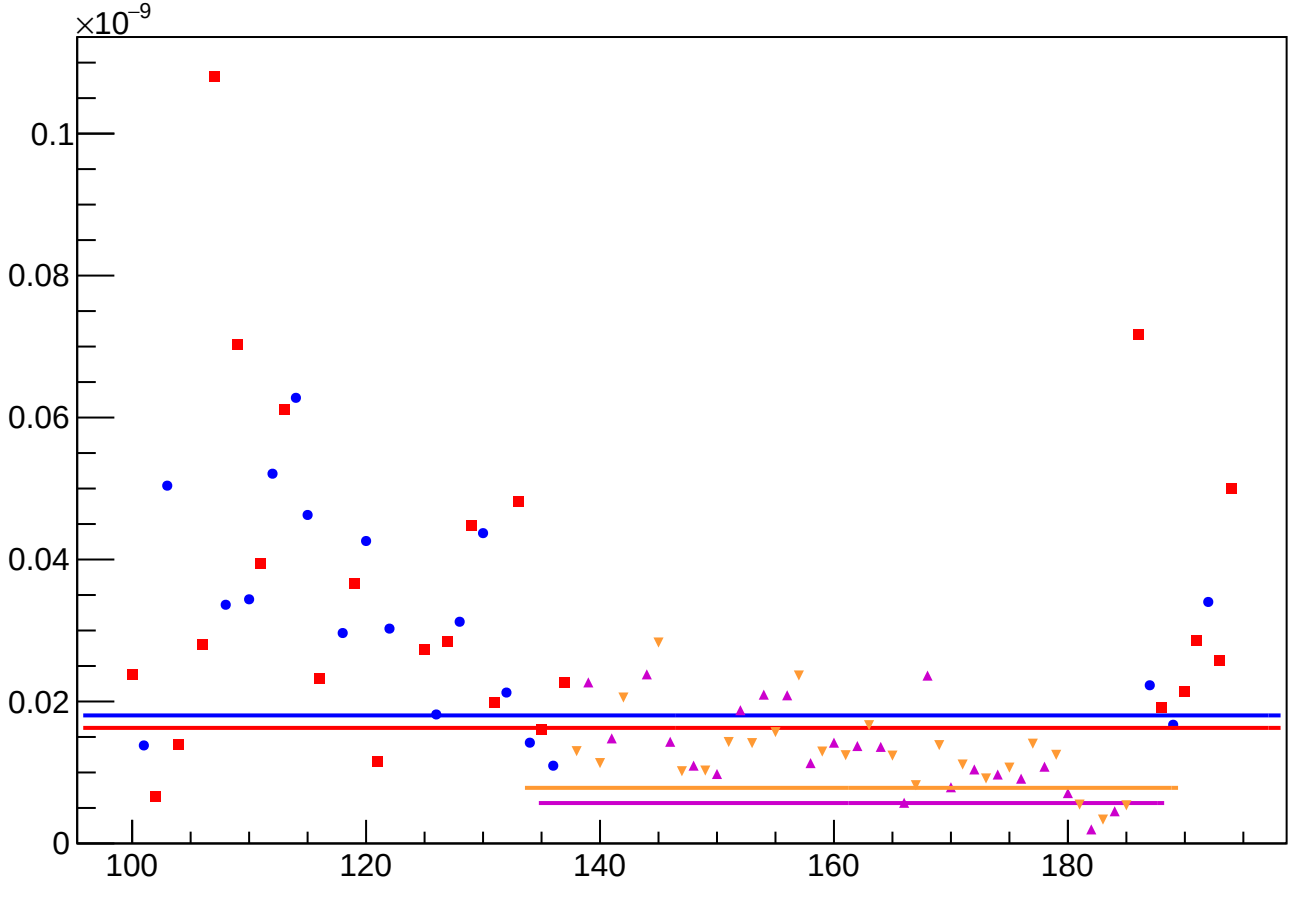
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: -0.000+/-0.000 χ^2/NDF: 32.1/42

In: -0.000+/-0.000 χ^2/NDF:27.9/41

Out: -0.000+/-0.000 χ^2/NDF:31.5/47

All: -0.000+/-0.000 χ^2/NDF: 59.6/89



Right In: 0.000+/-0.000 χ^2/NDF: 2474933.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4269604.9/23

Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

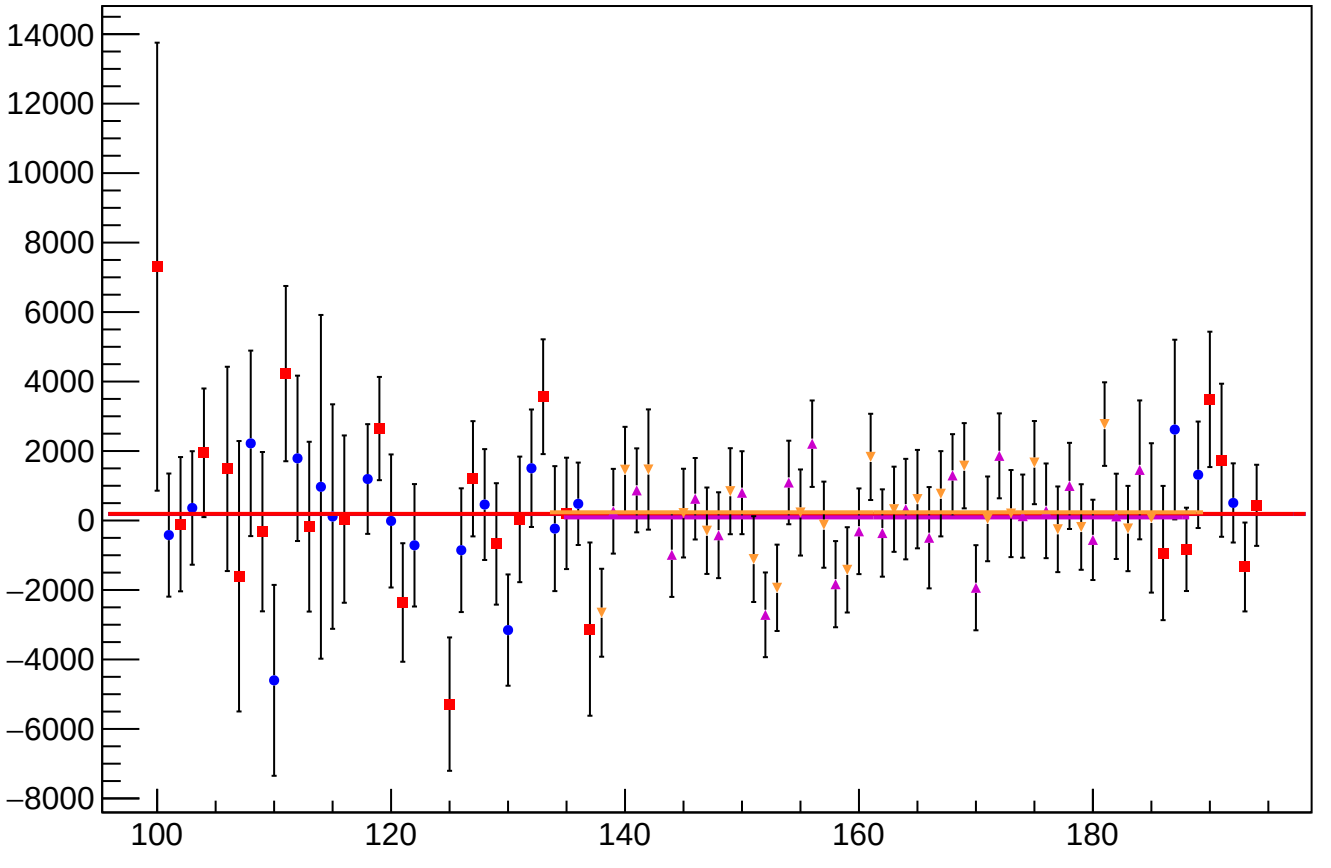
Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

Right: 0.000+/-0.000 χ^2/NDF: 6787980.6/42

In: 0.000+/-0.000 χ^2/NDF:17422180.7/41

Out: 0.000+/-0.000 χ^2/NDF:12677174.9/47

All: 0.000+/-0.000 χ^2/NDF: 31066906.9/89



Right In: 186.322+/-405.312 χ^2/NDF: 11.9/18

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: 190.714+/-372.412 χ^2/NDF: 30.7/23

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

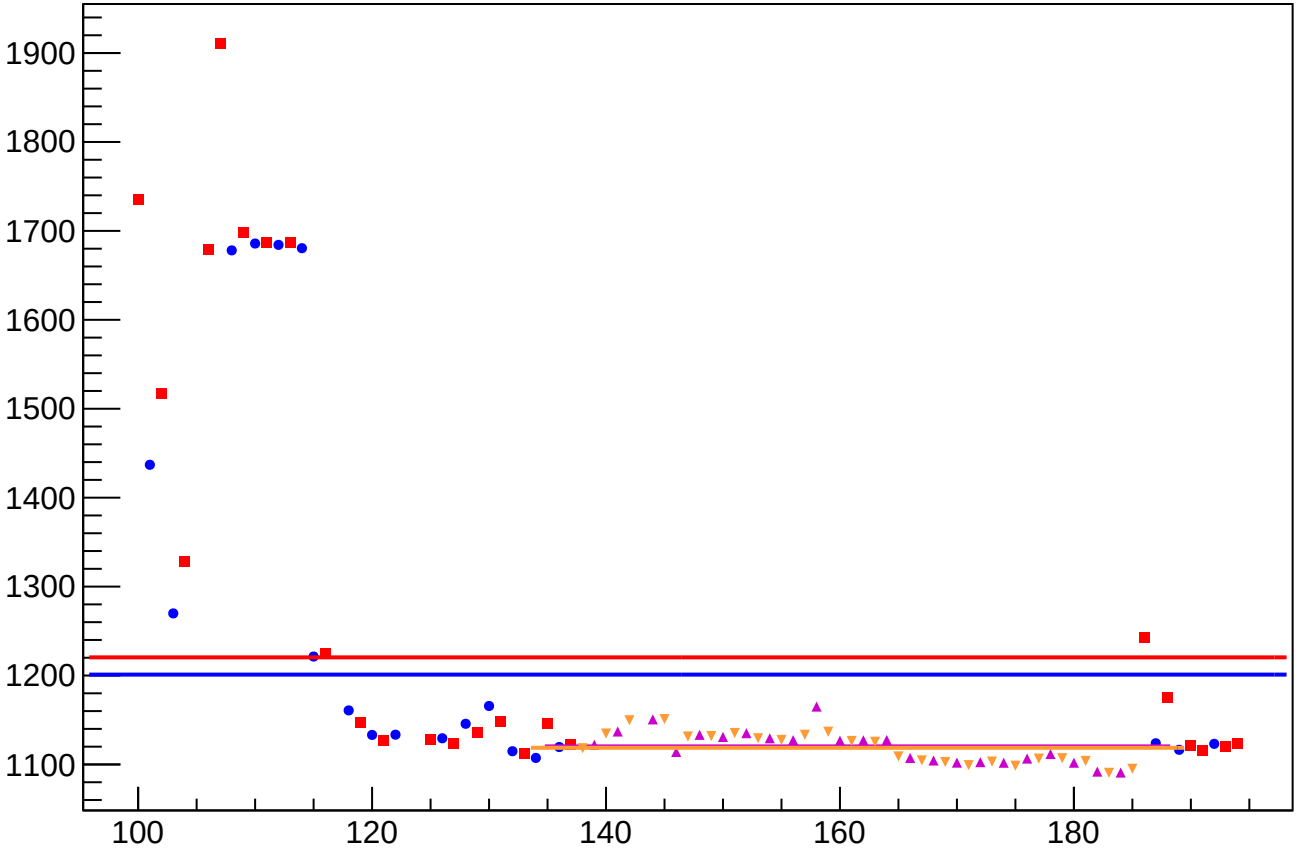
Right: 188.703+/-274.230 χ^2/NDF: 42.6/42

In: 117.183+/-219.796 χ^2/NDF:32.8/41

Out: 221.590+/-213.003 χ^2/NDF:53.5/47

All: 171.025+/-152.961 χ^2/NDF: 86.4/89

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1201.036+/-0.287 χ^2/NDF: 317045.2/18

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1220.427+/-0.263 χ^2/NDF: 490778.1/23

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

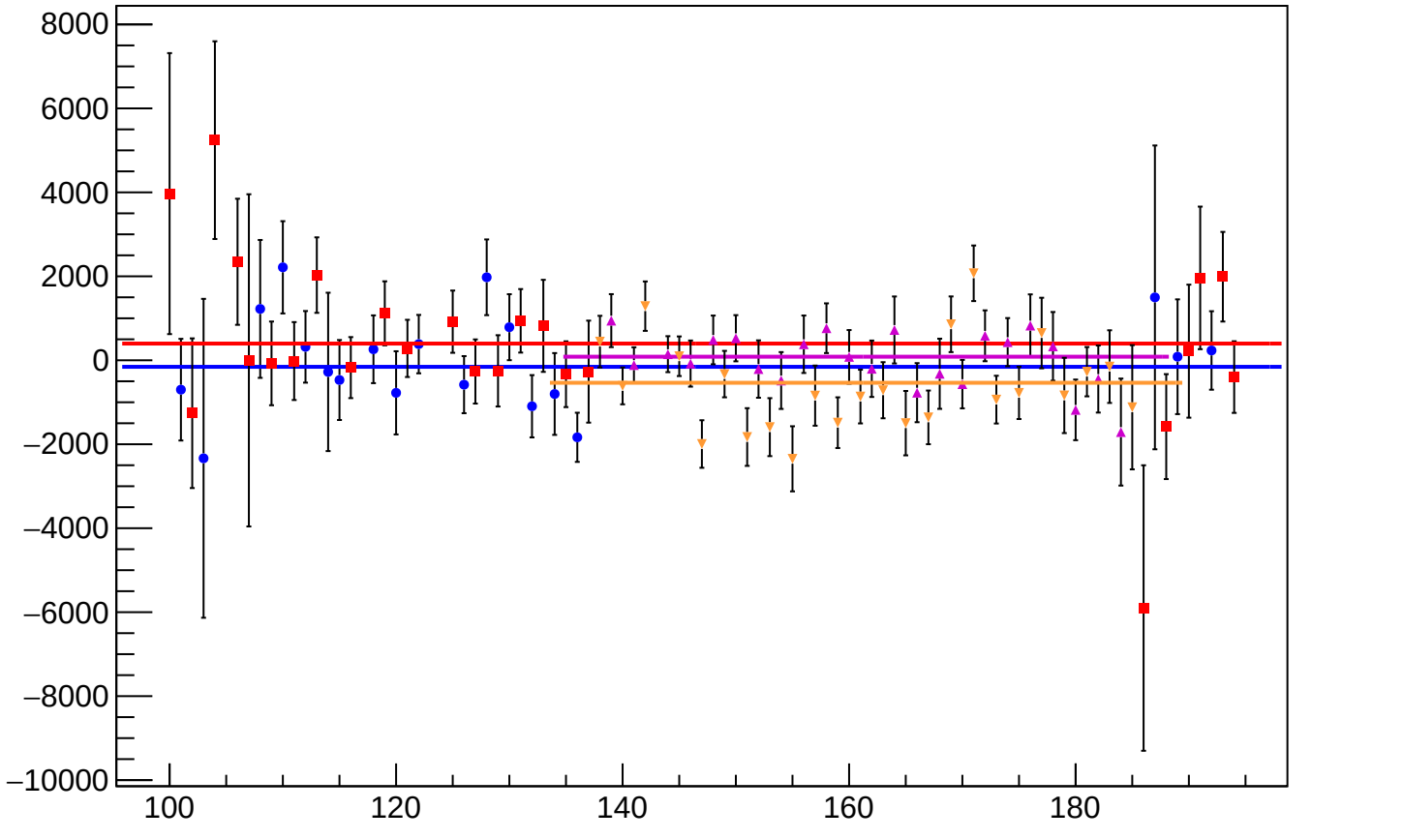
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

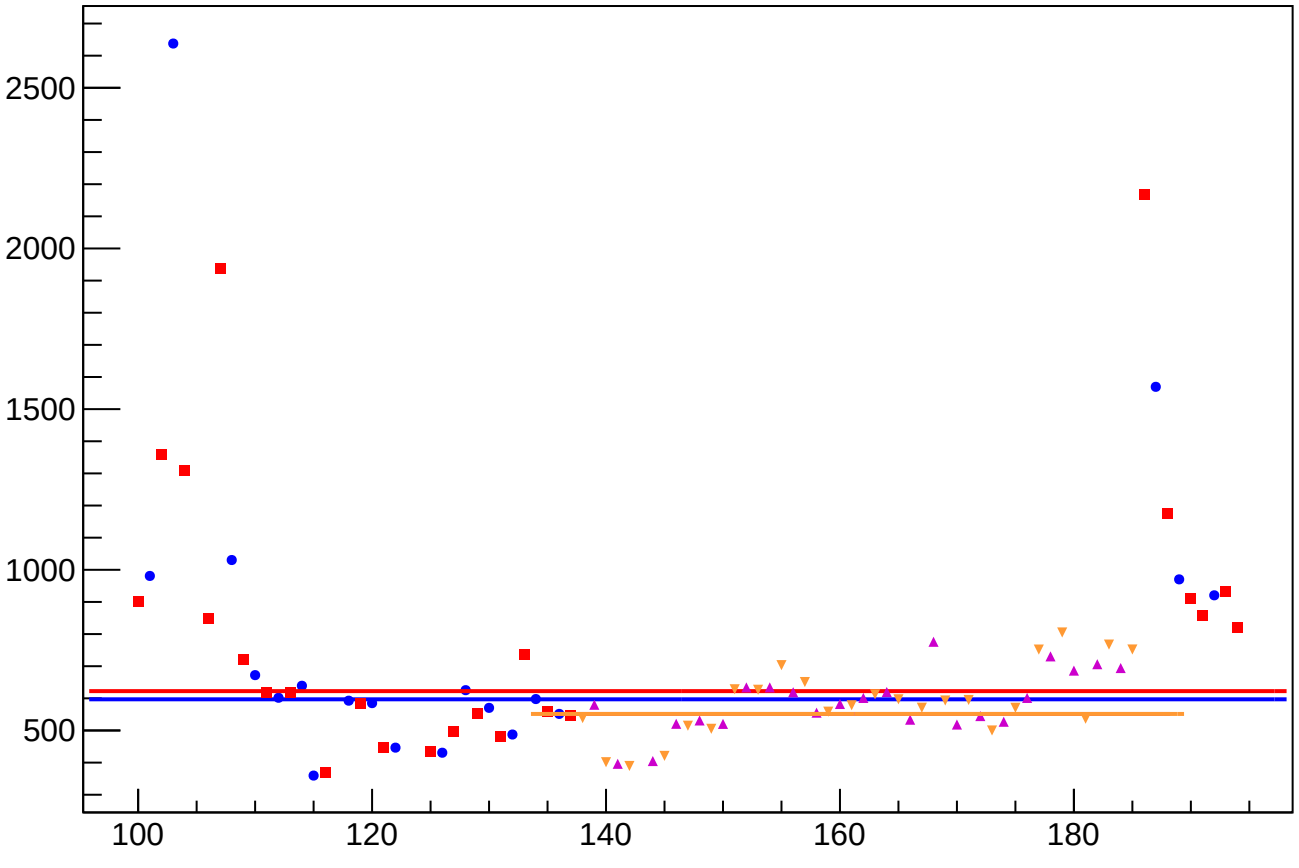
Right: 1211.551+/-0.194 χ^2/NDF: 810305.6/42

In: 1144.048+/-0.155 χ^2/NDF:382533.2/41

Out: 1152.001+/-0.151 χ^2/NDF:599330.4/47

All: 1148.149+/-0.108 χ^2/NDF: 983213.6/89


asym_usl_atl1_dd_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
Right In: -155.814+/-213.742 χ²/NDF: 25.7/18
Left Out: -535.899+/-130.646 χ²/NDF:61.6/23
Right Out: 398.069+/-204.999 χ²/NDF: 26.8/23
Left In: 85.254+/-130.966 χ²/NDF:17.1/22
Left: -226.082+/-92.494 χ²/NDF: 90.0/46
Right: 132.687+/-147.951 χ²/NDF: 55.9/42
In: 19.453+/-111.670 χ²/NDF:43.7/41
Out: -266.132+/-110.174 χ²/NDF:103.1/47
All: -125.266+/-78.429 χ²/NDF: 150.2/89



Right In: 596.971+/-0.151 χ^2/NDF: 1859142.2/18

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 622.456+/-0.145 χ^2/NDF: 2689328.6/23

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

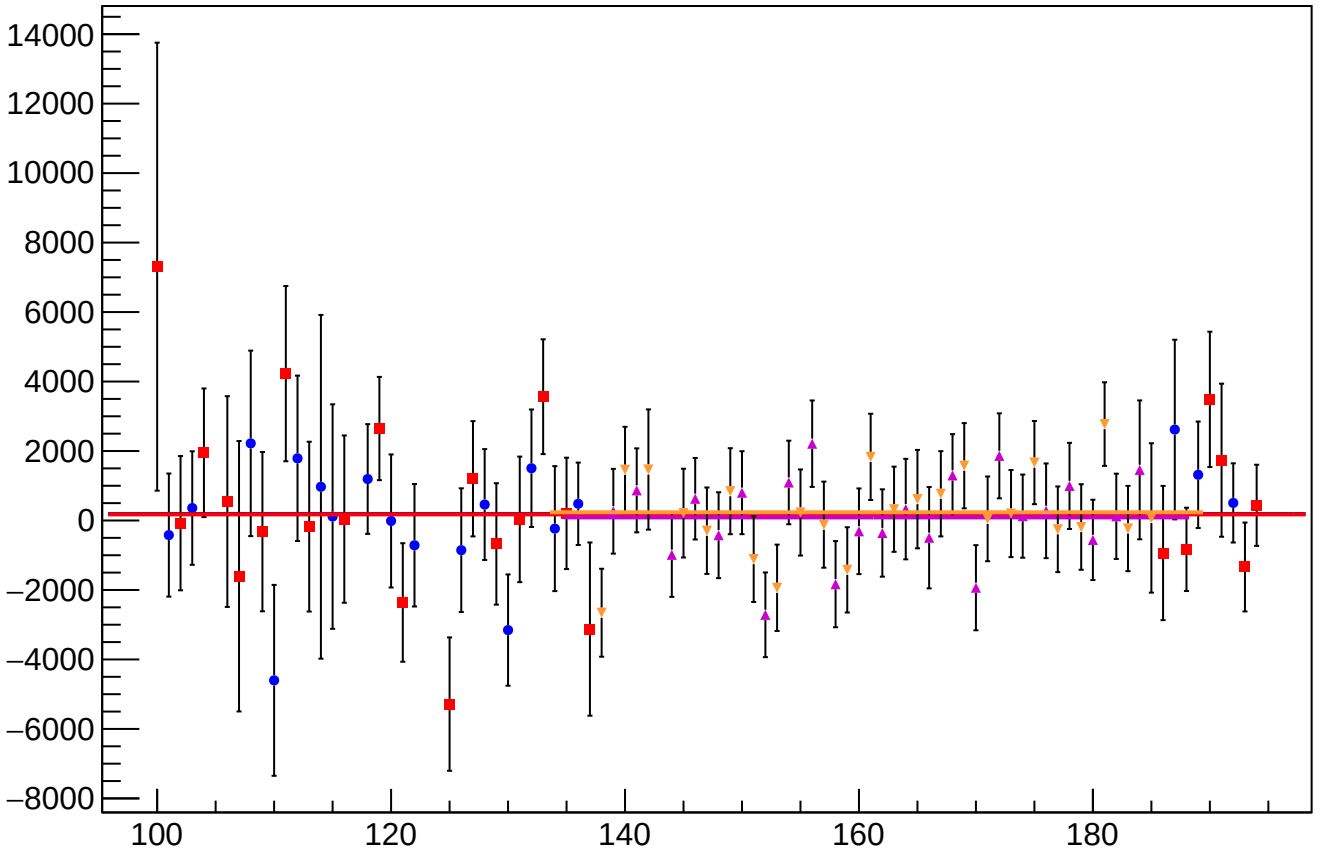
Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

Right: 610.245+/-0.105 χ^2/NDF: 4563280.5/42

In: 563.792+/-0.079 χ^2/NDF:2987189.2/41

Out: 571.952+/-0.078 χ^2/NDF:4086633.2/47

All: 567.927+/-0.055 χ^2/NDF: 7079233.4/89



Right In: 186.132+/-405.312 χ^2/NDF: 11.9/18

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 176.431+/-372.593 χ^2/NDF: 30.6/23

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

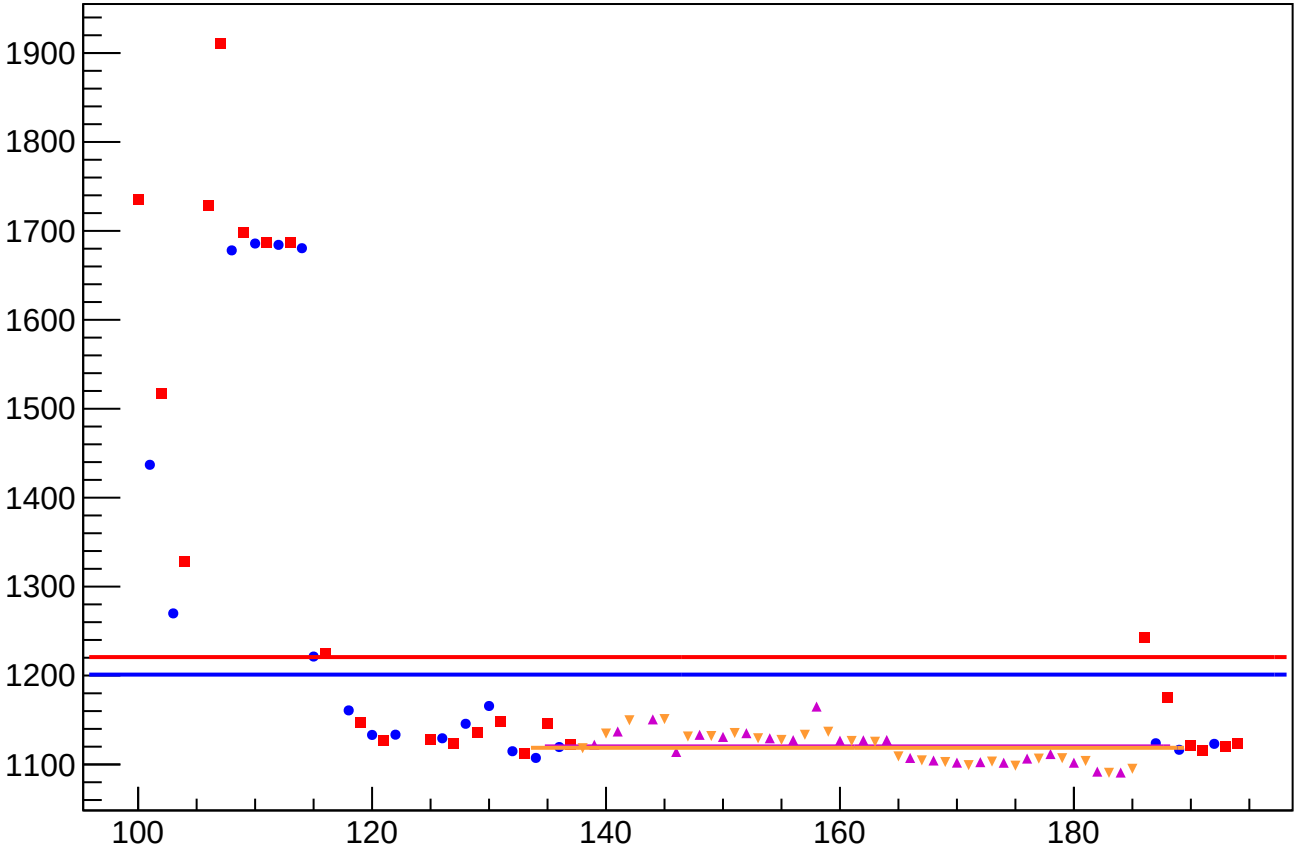
Right: 180.874+/-274.302 χ^2/NDF: 42.4/42

In: 117.120+/-219.796 χ^2/NDF:32.8/41

Out: 216.958+/-213.036 χ^2/NDF:53.3/47

All: 168.598+/-152.973 χ^2/NDF: 86.2/89

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1201.036+/-0.287 χ^2/NDF: 317045.3/18

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1220.741+/-0.263 χ^2/NDF: 498365.4/23

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

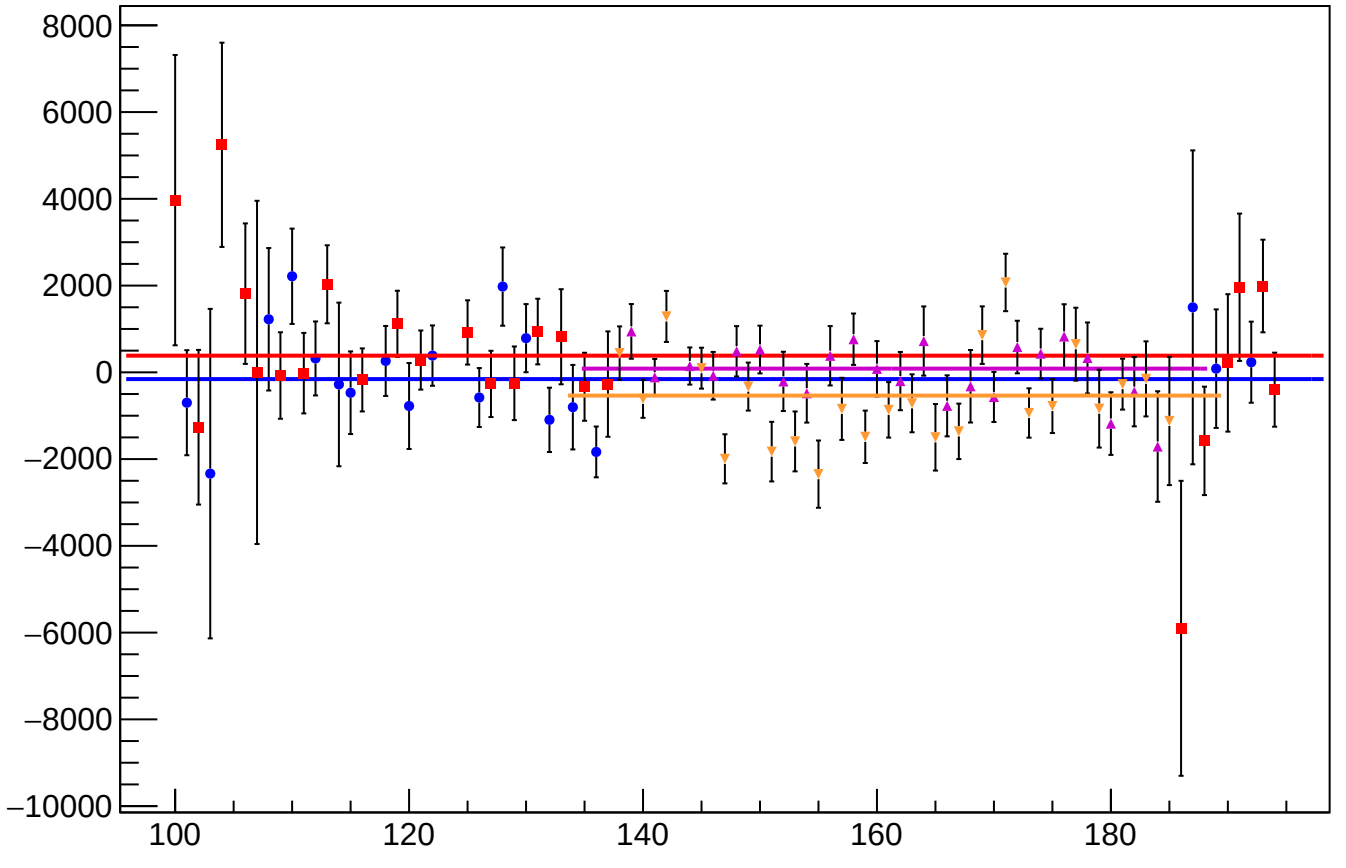
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1211.716+/-0.194 χ^2/NDF: 817972.7/42

In: 1144.049+/-0.155 χ^2/NDF:382533.3/41

Out: 1152.081+/-0.151 χ^2/NDF:607471.2/47

All: 1148.190+/-0.108 χ^2/NDF: 991381.9/89



Right In: -155.815+/-213.740 χ^2/NDF: 25.7/18

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 384.452+/-205.266 χ^2/NDF: 25.9/23

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

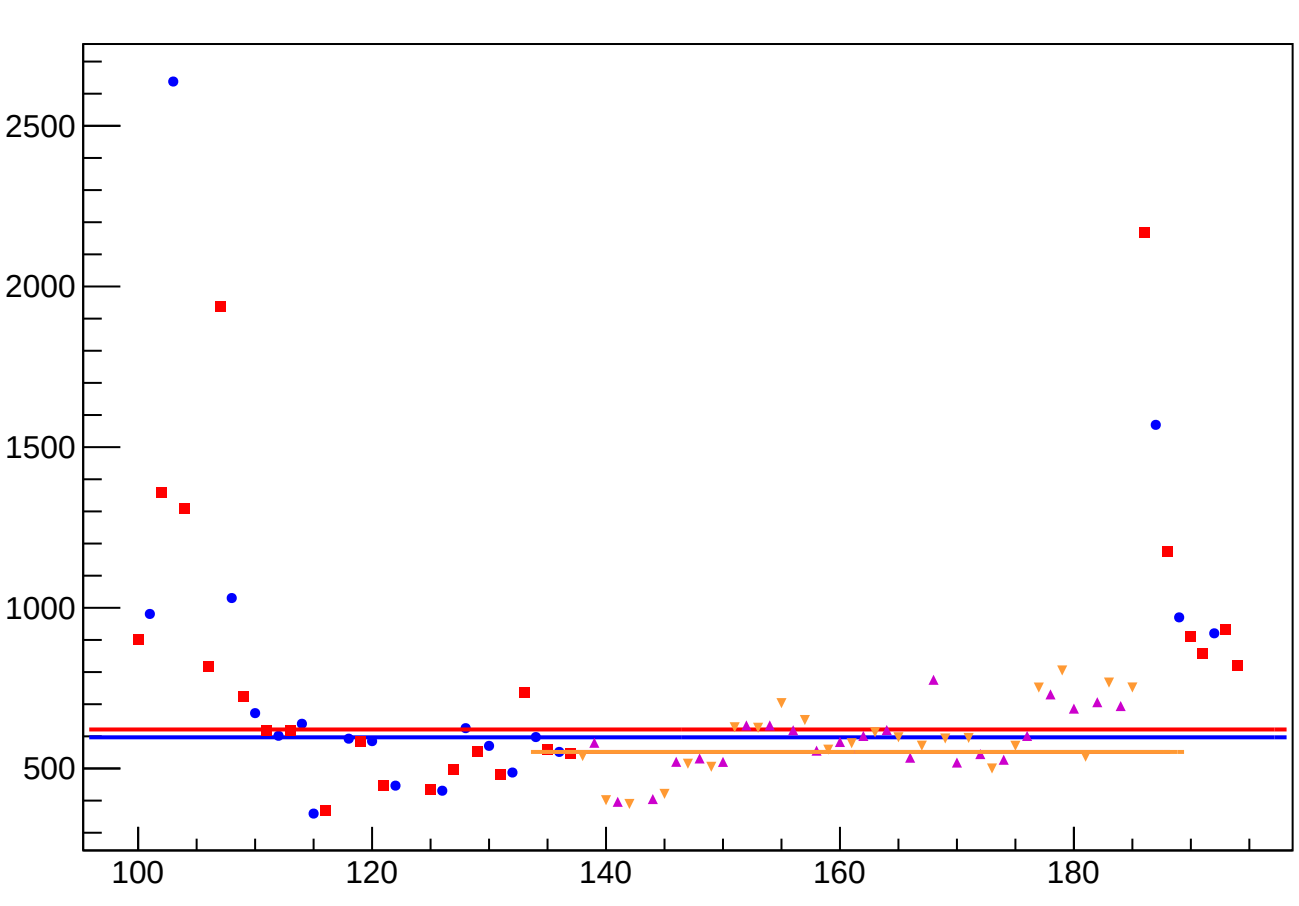
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: 125.241+/-148.050 χ^2/NDF: 54.9/42

In: 19.444+/-111.670 χ^2/NDF:43.8/41

Out: -270.580+/-110.216 χ^2/NDF:101.7/47

All: -127.469+/-78.443 χ^2/NDF: 148.9/89



Right In: 596.966+/-0.151 χ^2/NDF: 1859131.7/18

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 621.363+/-0.145 χ^2/NDF: 2673322.7/23

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

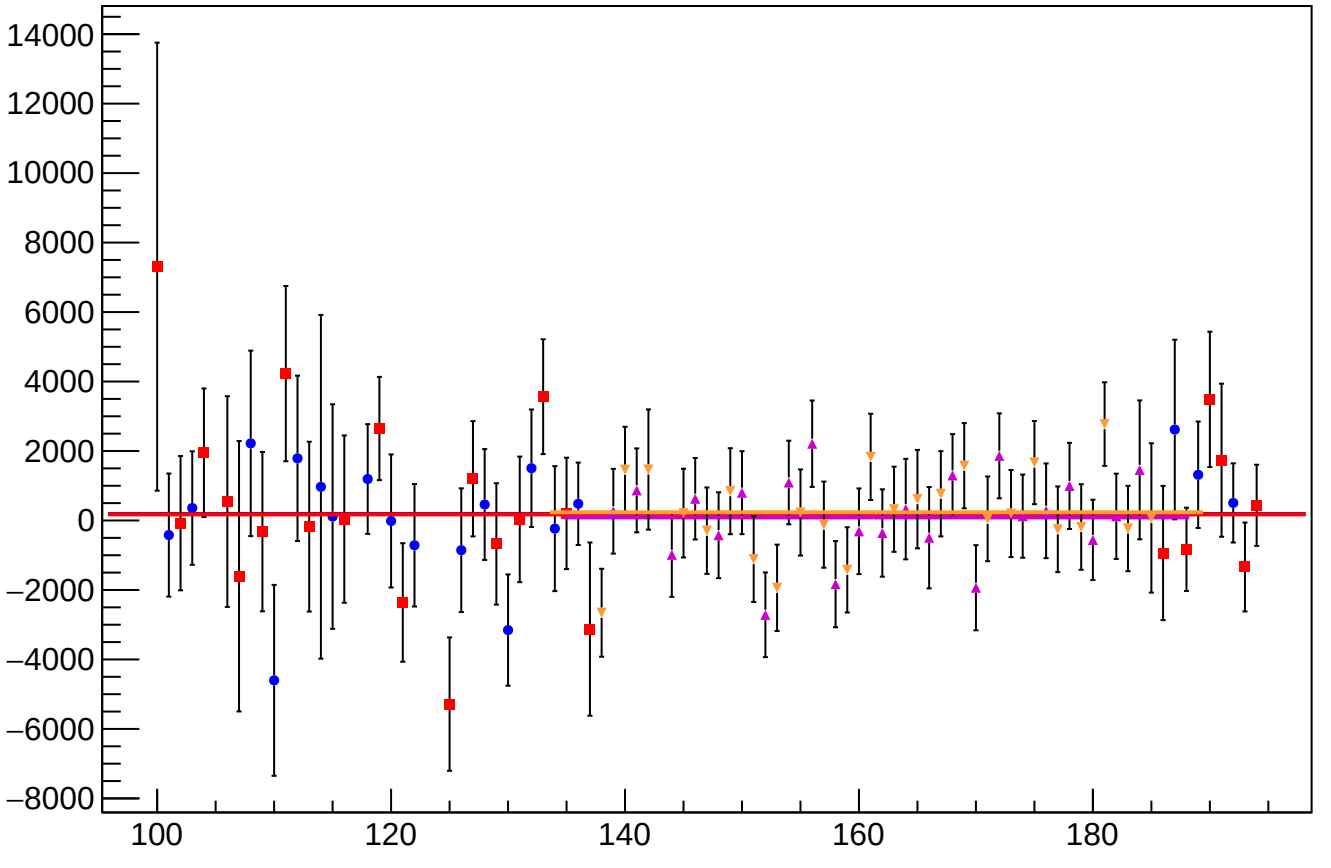
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 609.658+/-0.105 χ^2/NDF: 4546009.7/42

In: 563.791+/-0.079 χ^2/NDF:2987135.7/41

Out: 571.599+/-0.078 χ^2/NDF:4065128.0/47

All: 567.746+/-0.055 χ^2/NDF: 7057216.5/89



Right In: 186.132+/-405.312 χ^2/NDF: 11.9/18

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 176.431+/-372.593 χ^2/NDF: 30.6/23

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

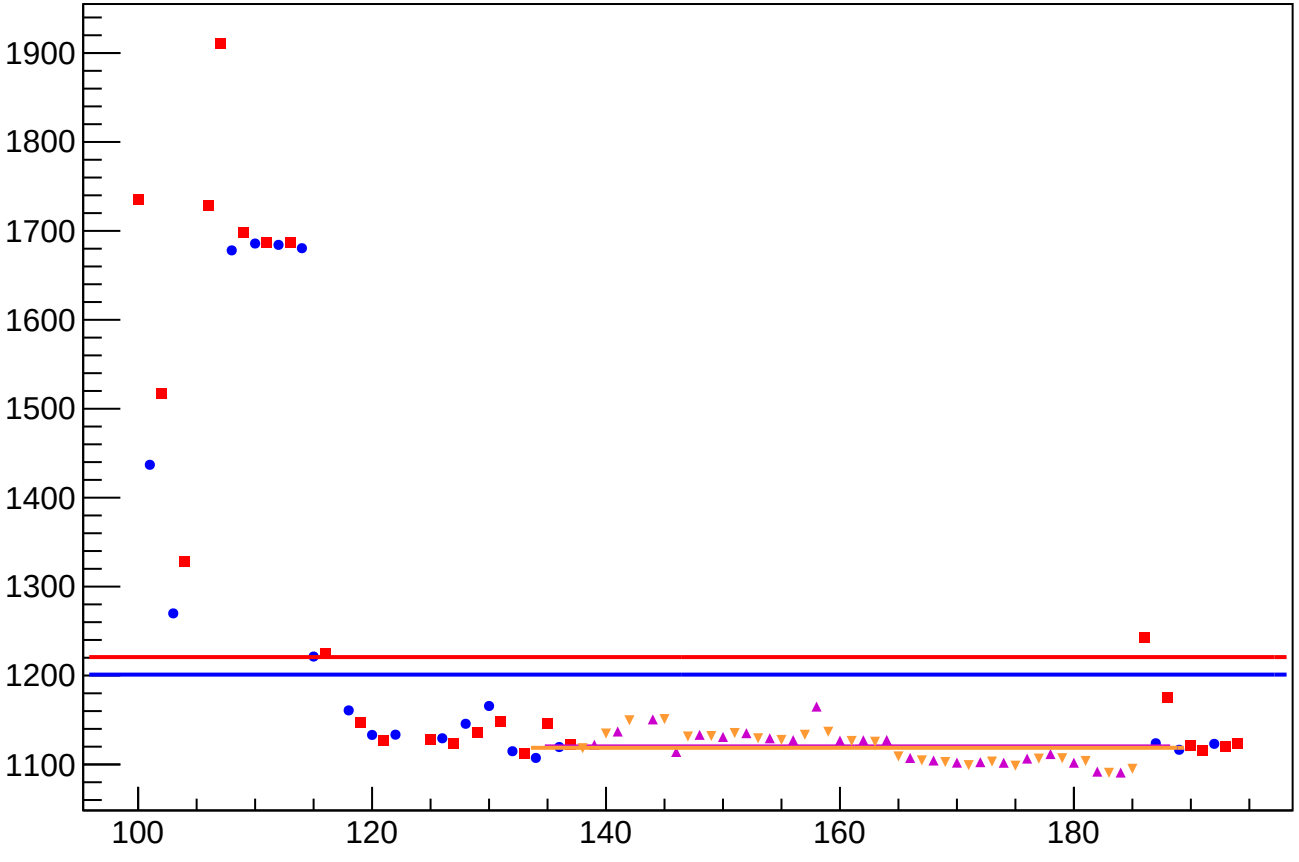
Right: 180.874+/-274.302 χ^2/NDF: 42.4/42

In: 117.120+/-219.796 χ^2/NDF:32.8/41

Out: 216.958+/-213.036 χ^2/NDF:53.3/47

All: 168.598+/-152.973 χ^2/NDF: 86.2/89

eigen_cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1201.036+/-0.287 χ^2/NDF: 317045.3/18

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1220.741+/-0.263 χ^2/NDF: 498365.4/23

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

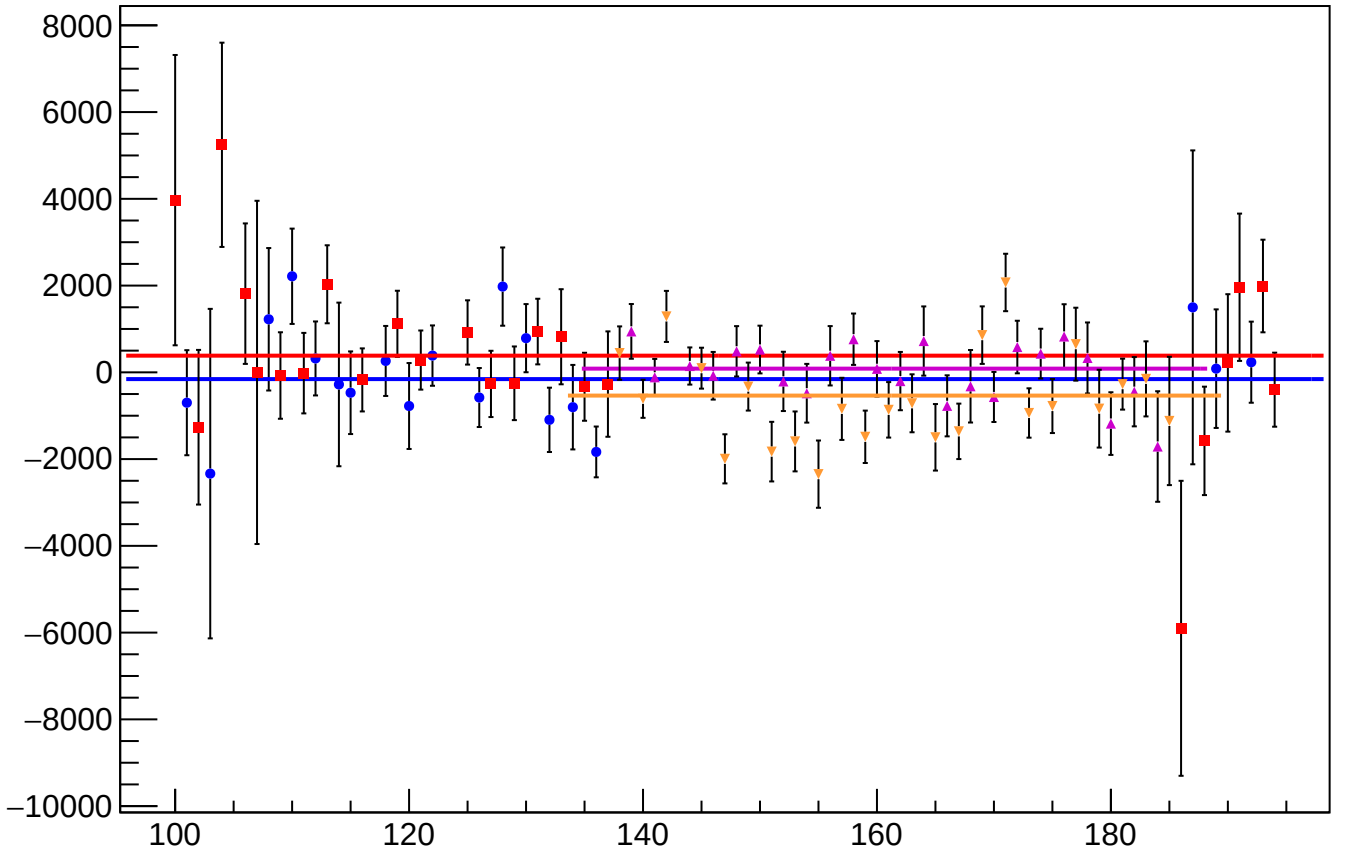
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1211.716+/-0.194 χ^2/NDF: 817972.7/42

In: 1144.049+/-0.155 χ^2/NDF:382533.3/41

Out: 1152.081+/-0.151 χ^2/NDF:607471.2/47

All: 1148.190+/-0.108 χ^2/NDF: 991381.9/89



Right In: -155.815+/-213.740 χ^2/NDF: 25.7/18

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 384.452+/-205.266 χ^2/NDF: 25.9/23

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

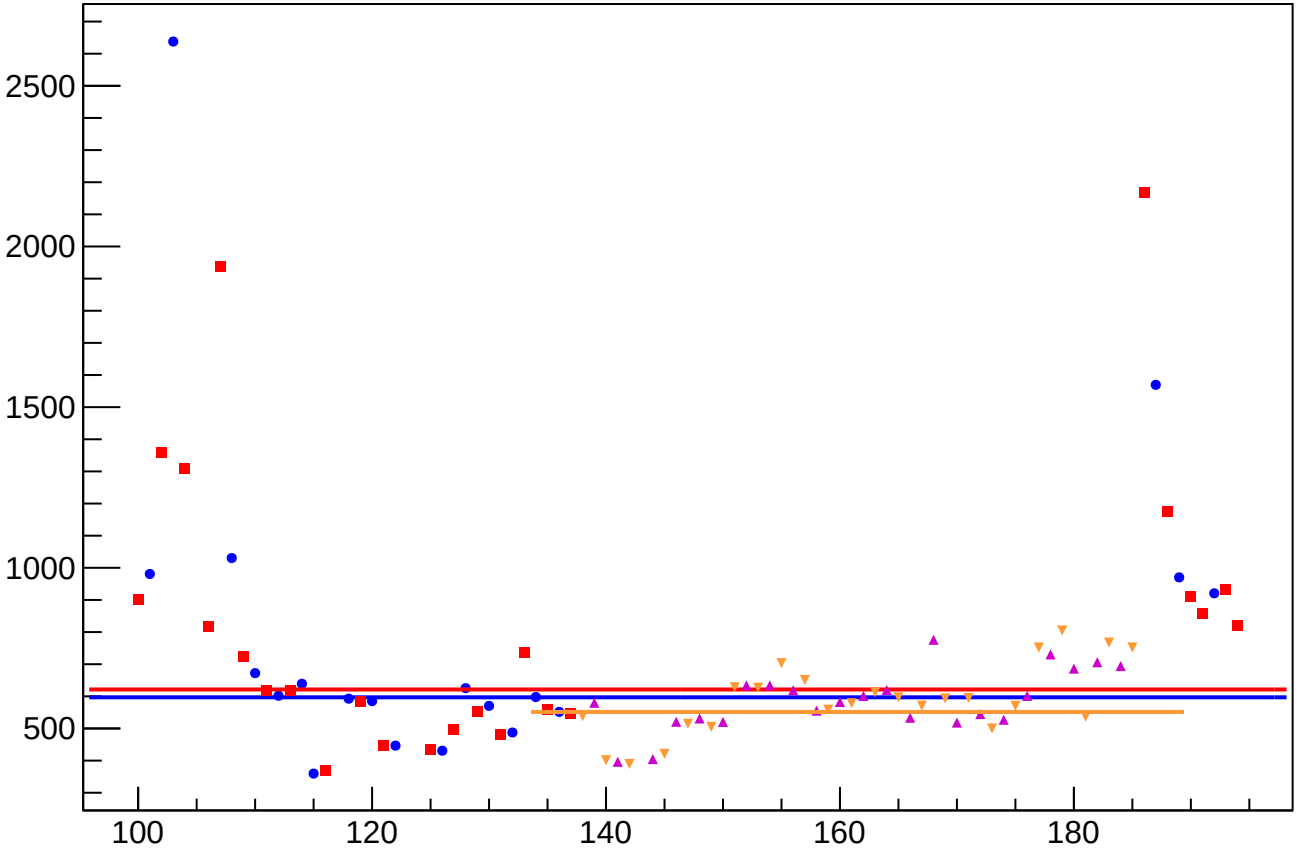
Right: 125.241+/-148.050 χ^2/NDF: 54.9/42

In: 19.444+/-111.670 χ^2/NDF:43.8/41

Out: -270.580+/-110.216 χ^2/NDF:101.7/47

All: -127.469+/-78.443 χ^2/NDF: 148.9/89

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 596.966+/-0.151 χ^2/NDF: 1859131.7/18

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 621.363+/-0.145 χ^2/NDF: 2673322.7/23

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

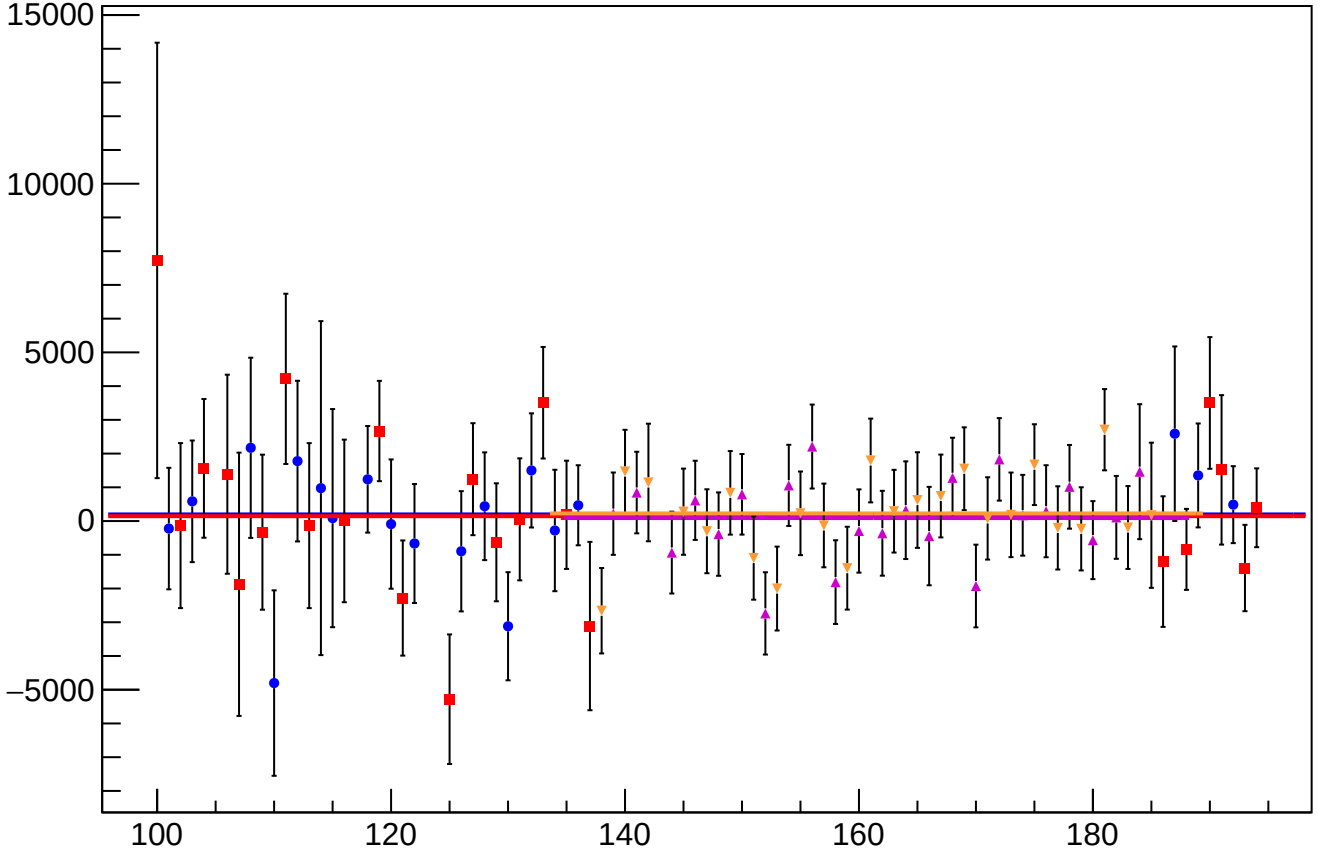
Right: 609.658+/-0.105 χ^2/NDF: 4546009.7/42

In: 563.791+/-0.079 χ^2/NDF:2987135.7/41

Out: 571.599+/-0.078 χ^2/NDF:4065128.0/47

All: 567.746+/-0.055 χ^2/NDF: 7057216.5/89

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 195.987+/-408.241 χ^2/NDF: 12.0/18

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: 144.273+/-376.838 χ^2/NDF: 30.3/23

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

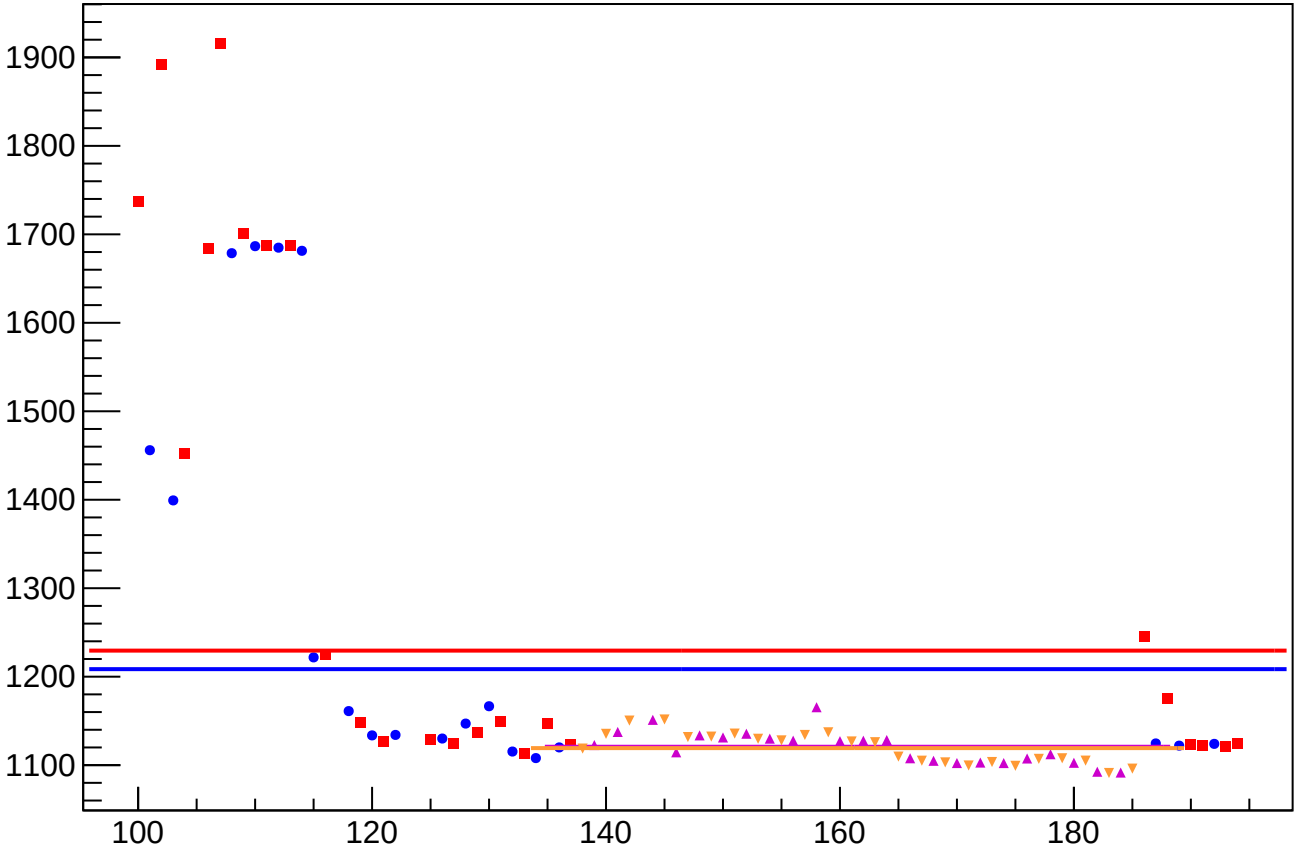
Right: 168.065+/-276.902 χ^2/NDF: 42.3/42

In: 120.218+/-220.328 χ^2/NDF:32.6/41

Out: 199.437+/-213.910 χ^2/NDF:52.5/47

All: 160.998+/-153.476 χ^2/NDF: 85.2/89

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1208.519+/-0.289 χ^2/NDF: 340421.5/18

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1229.469+/-0.266 χ^2/NDF: 612700.6/23

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

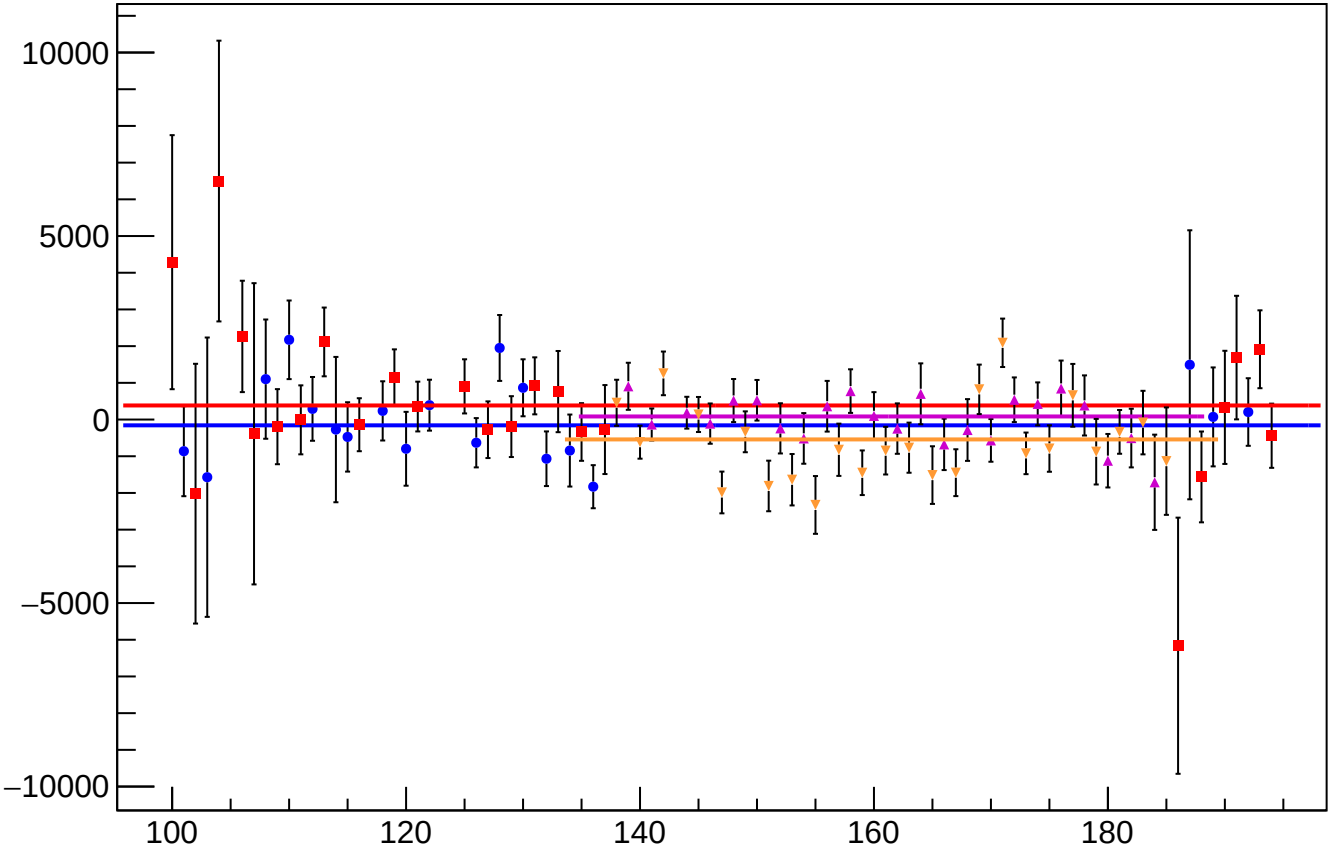
Right: 1219.830+/-0.196 χ^2/NDF: 955966.0/42

In: 1146.351+/-0.156 χ^2/NDF:415290.0/41

Out: 1154.770+/-0.151 χ^2/NDF:736790.1/47

All: 1150.685+/-0.109 χ^2/NDF: 1153583.5/89

asym_usl_atl1_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -157.903+/-213.413 χ^2/NDF: 25.7/18

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: 383.681+/-207.706 χ^2/NDF: 24.3/23

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

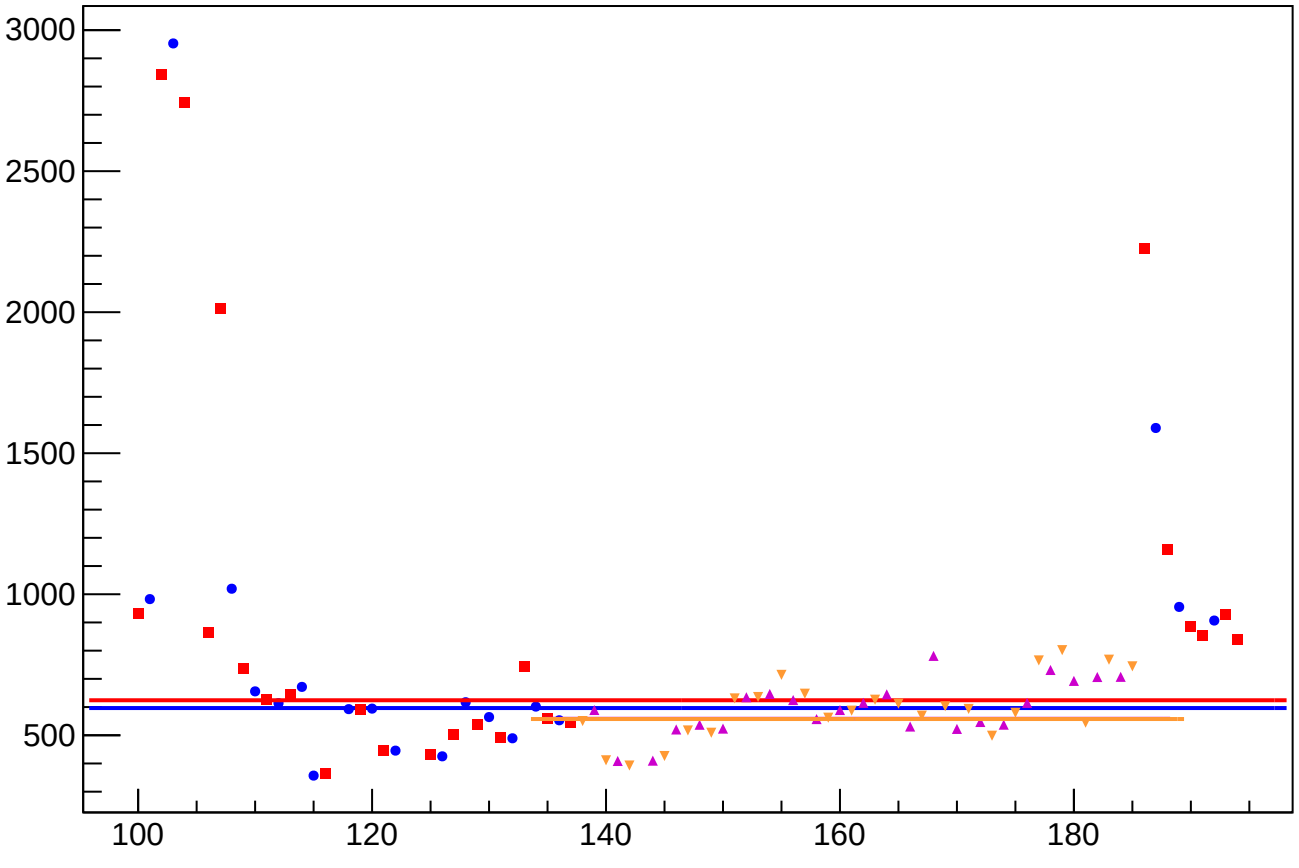
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: 120.228+/-148.847 χ^2/NDF: 53.3/42

In: 16.749+/-112.598 χ^2/NDF:43.0/41

Out: -275.369+/-111.413 χ^2/NDF:99.3/47

All: -130.855+/-79.197 χ^2/NDF: 145.7/89



Right In: 596.497+/-0.151 χ^2/NDF: 2036180.7/18

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 624.145+/-0.147 χ^2/NDF: 3602891.9/23

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

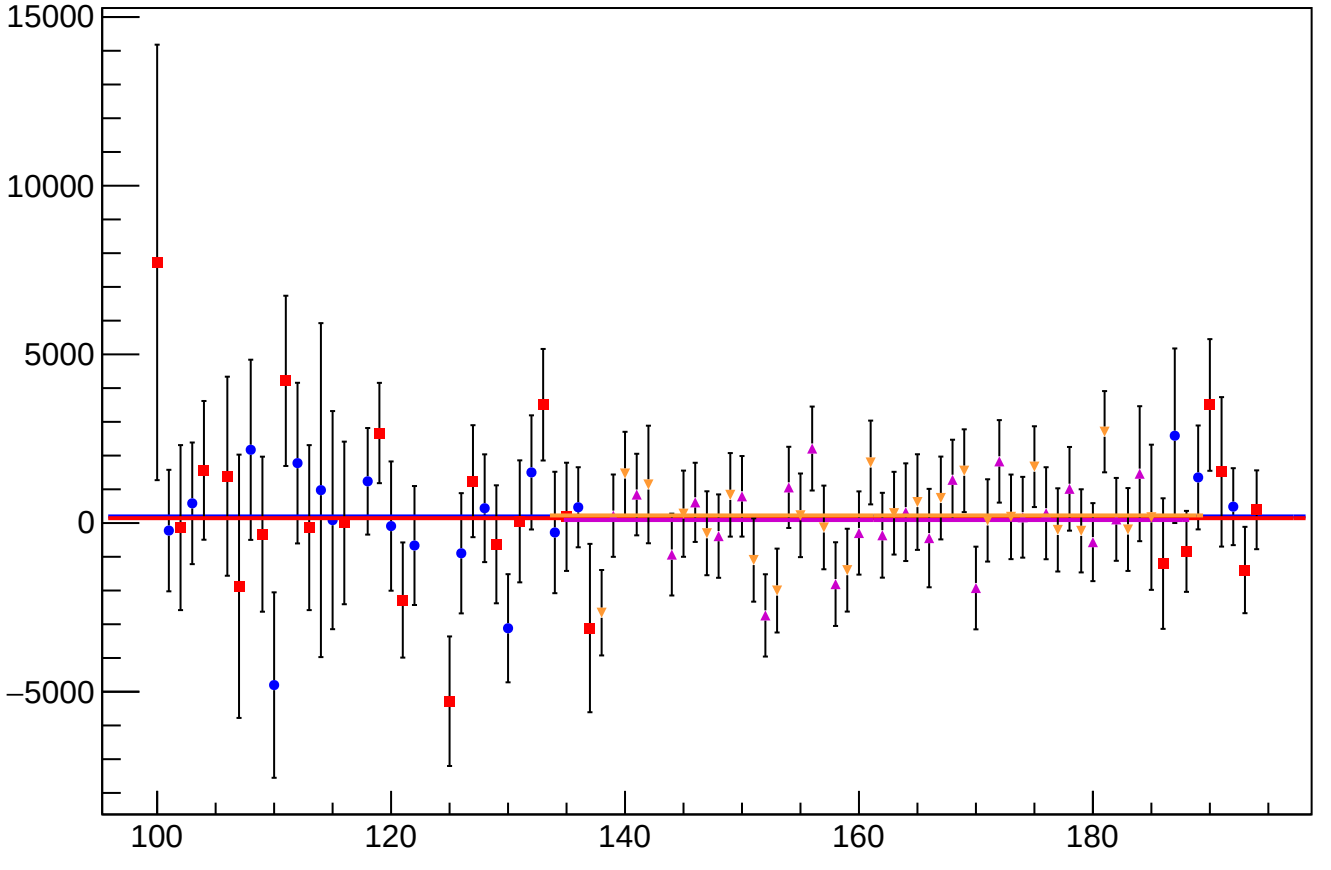
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 610.696+/-0.105 χ^2/NDF: 5656310.4/42

In: 569.000+/-0.080 χ^2/NDF:3110004.9/41

Out: 576.741+/-0.079 χ^2/NDF:4942418.6/47

All: 572.911+/-0.056 χ^2/NDF: 8057199.4/89



Right In: 195.987+/-408.241 χ^2/NDF: 12.0/18

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: 144.272+/-376.838 χ^2/NDF: 30.3/23

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

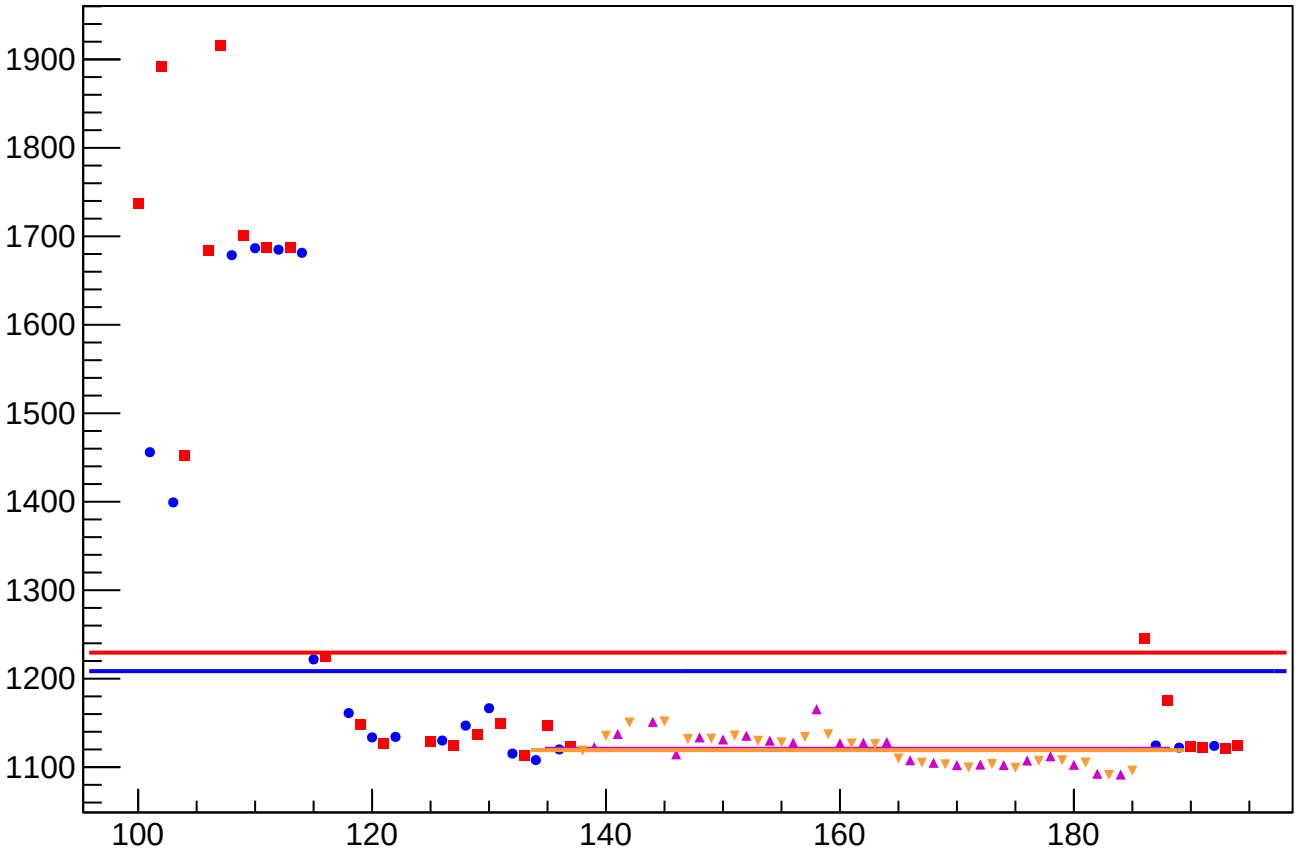
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 168.065+/-276.902 χ^2/NDF: 42.3/42

In: 120.219+/-220.328 χ^2/NDF:32.6/41

Out: 199.436+/-213.910 χ^2/NDF:52.5/47

All: 160.998+/-153.476 χ^2/NDF: 85.2/89



Right In: 1208.519+/-0.289 χ^2/NDF: 340421.1/18

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1229.469+/-0.266 χ^2/NDF: 612700.0/23

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

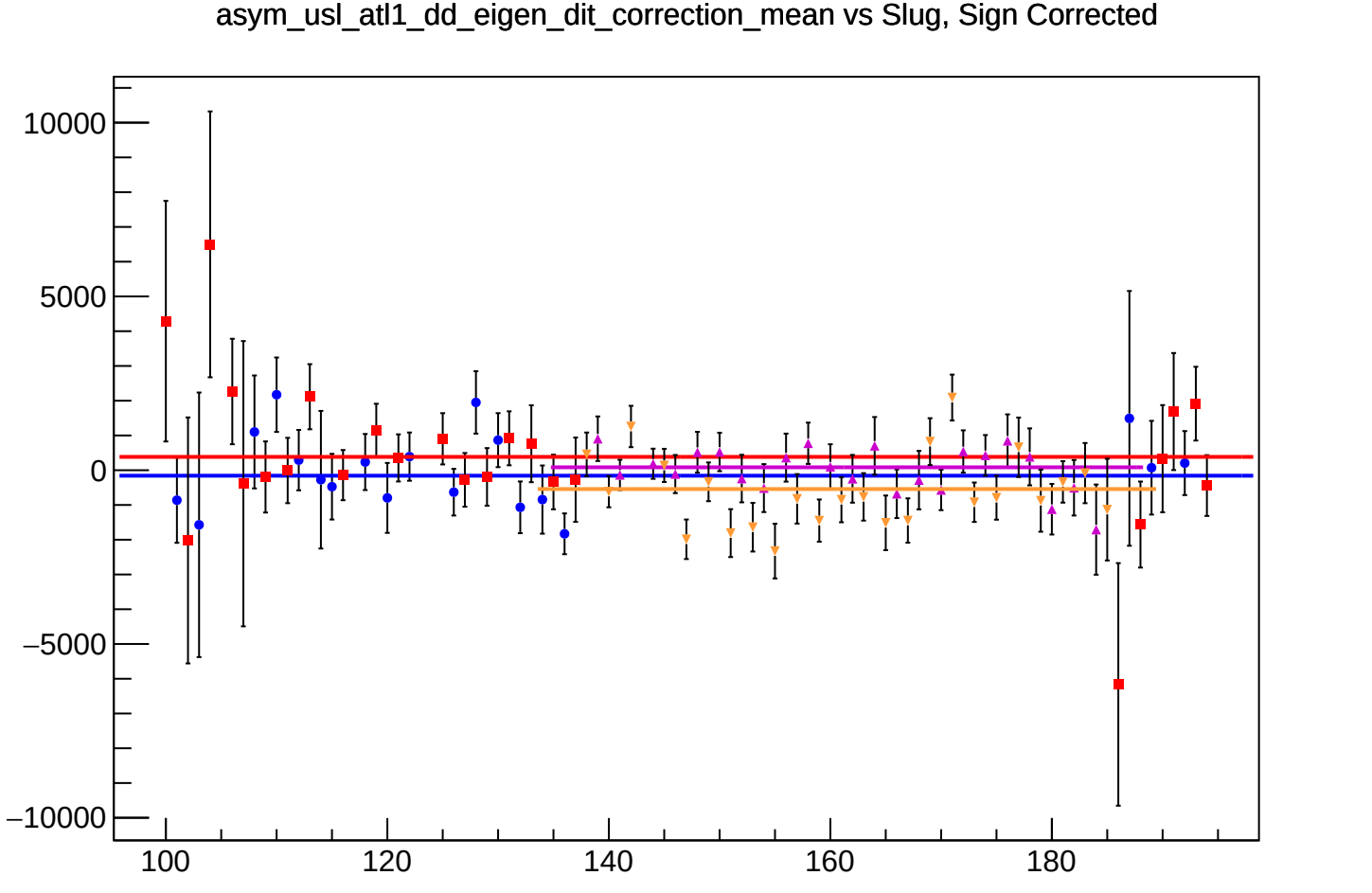
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1219.830+/-0.196 χ^2/NDF: 955965.0/42

In: 1146.351+/-0.156 χ^2/NDF:415289.4/41

Out: 1154.770+/-0.151 χ^2/NDF:736789.4/47

All: 1150.685+/-0.109 χ^2/NDF: 1153582.3/89



Right In: -157.903+/-213.413 χ^2/NDF: 25.7/18

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: 383.682+/-207.706 χ^2/NDF: 24.3/23

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

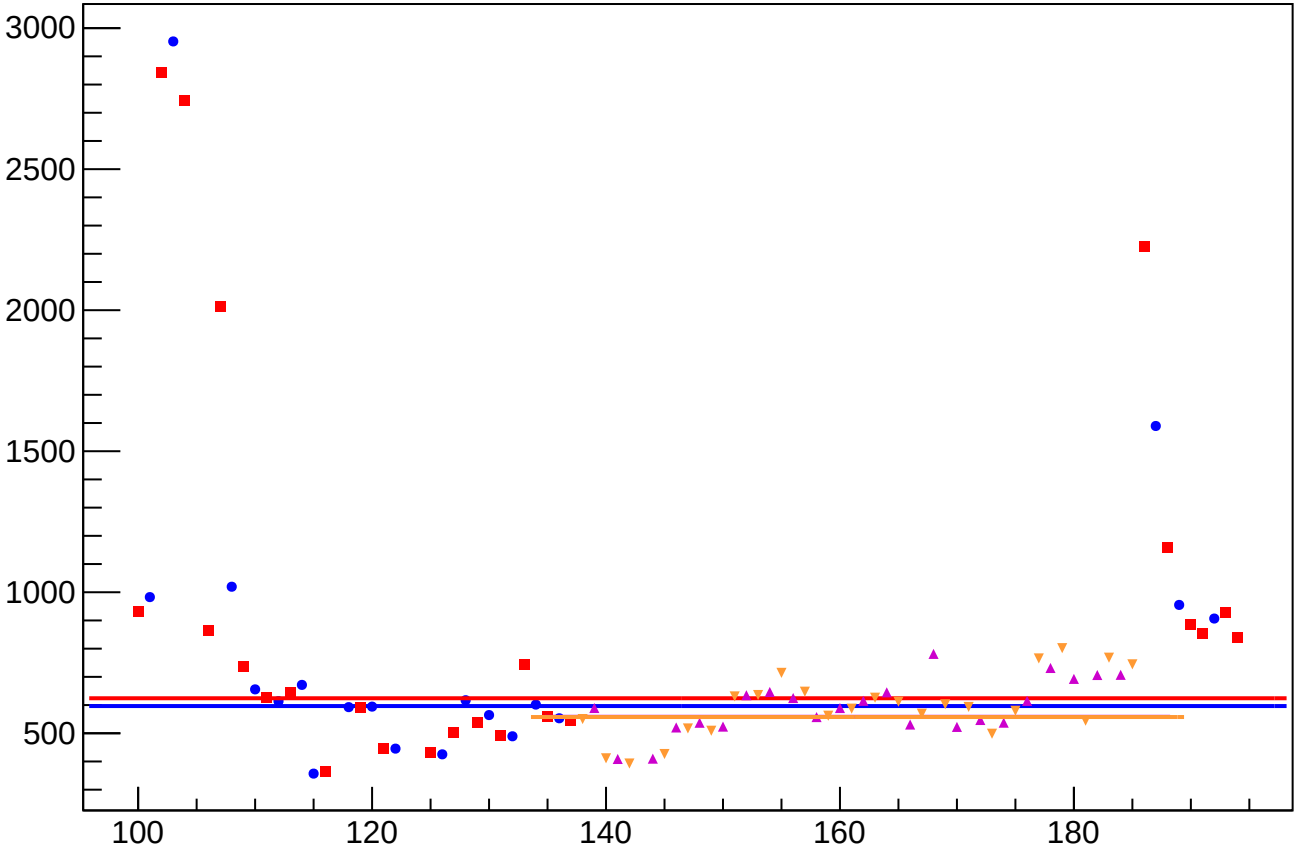
Right: 120.228+/-148.847 χ^2/NDF: 53.3/42

In: 16.749+/-112.598 χ^2/NDF:43.0/41

Out: -275.368+/-111.413 χ^2/NDF:99.3/47

All: -130.855+/-79.197 χ^2/NDF: 145.7/89

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 596.497+/-0.151 χ^2/NDF: 2036177.6/18

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 624.144+/-0.147 χ^2/NDF: 3602892.3/23

Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

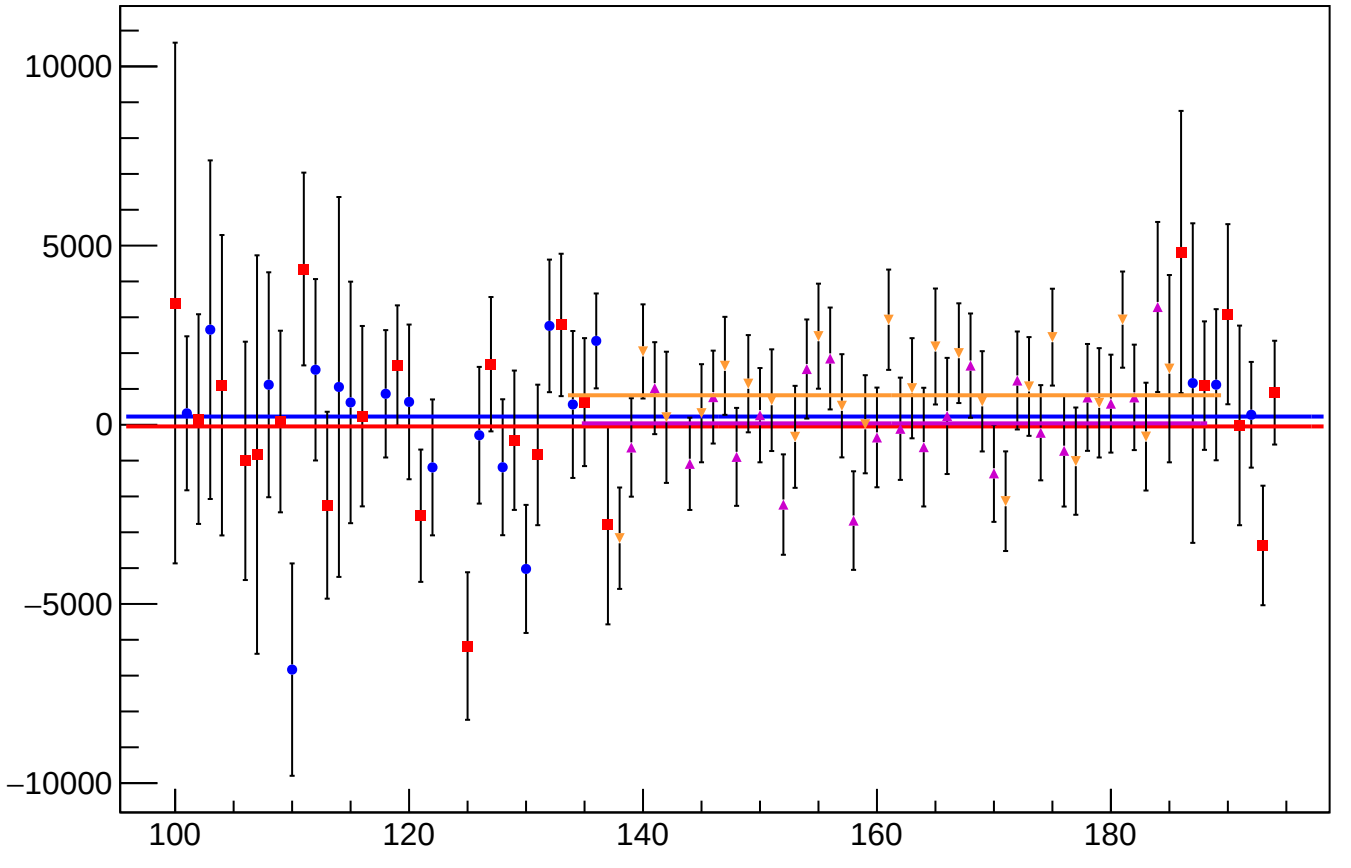
Left: 557.990+/-0.066 χ^2/NDF: 2221156.8/46

Right: 610.695+/-0.105 χ^2/NDF: 5656307.6/42

In: 569.000+/-0.080 χ^2/NDF:3110017.5/41

Out: 576.740+/-0.079 χ^2/NDF:4942442.7/47

All: 572.911+/-0.056 χ^2/NDF: 8057236.0/89



Right In: 229.646+/-484.118 χ^2/NDF: 18.0/18

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: -46.206+/-456.295 χ^2/NDF: 27.6/23

Left In: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

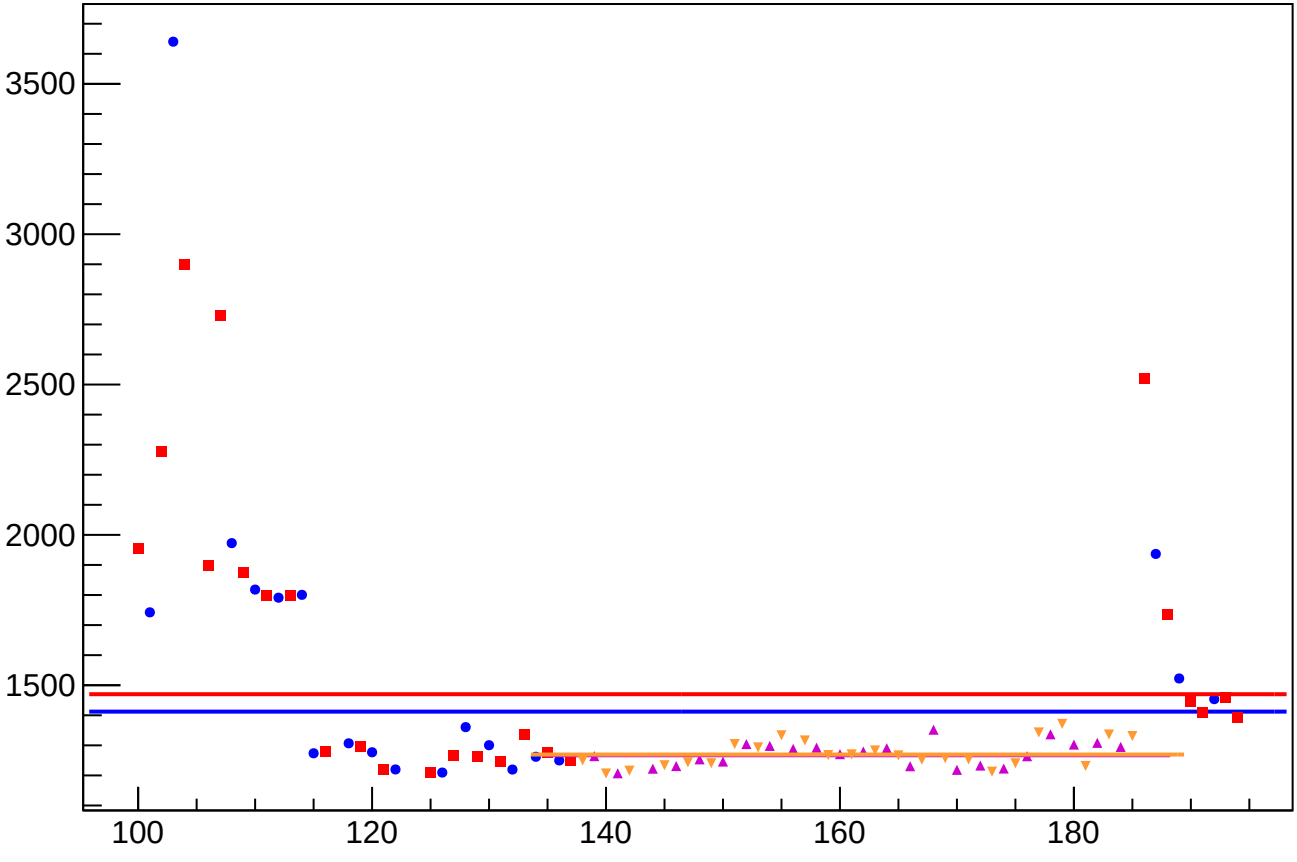
Right: 83.566+/-332.050 χ^2/NDF: 45.8/42

In: 91.385+/-252.540 χ^2/NDF:36.0/41

Out: 567.211+/-247.637 χ^2/NDF:56.4/47

All: 333.962+/-176.814 χ^2/NDF: 94.1/89

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1412.187+/-0.342 χ^2/NDF: 816758.8/18

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1470.113+/-0.323 χ^2/NDF: 1054010.5/23

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

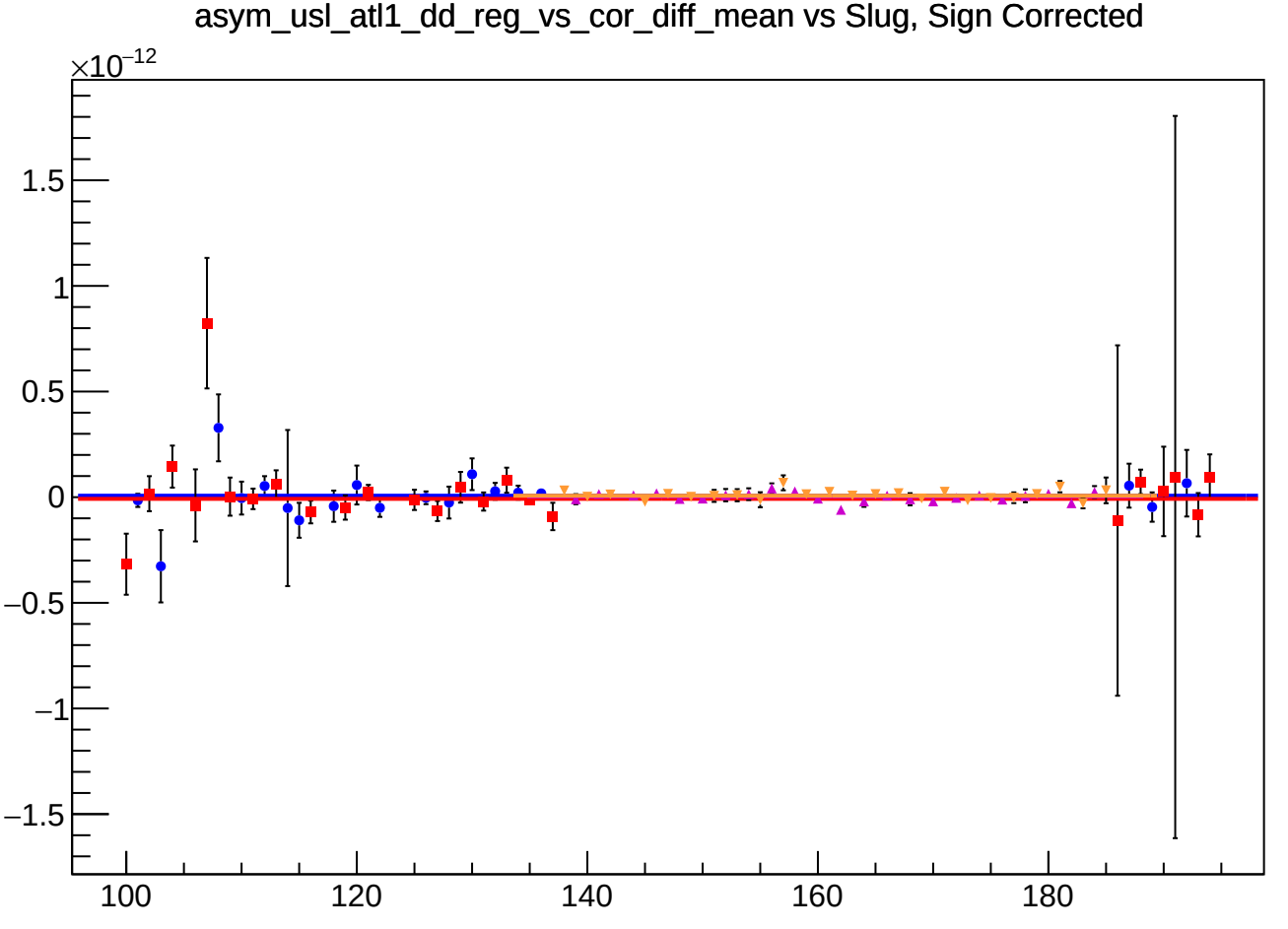
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1442.862+/-0.235 χ^2/NDF: 1885932.7/42

In: 1306.556+/-0.179 χ^2/NDF:982118.4/41

Out: 1328.546+/-0.175 χ^2/NDF:1369942.0/47

All: 1317.767+/-0.125 χ^2/NDF: 2359791.3/89



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.6/23

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

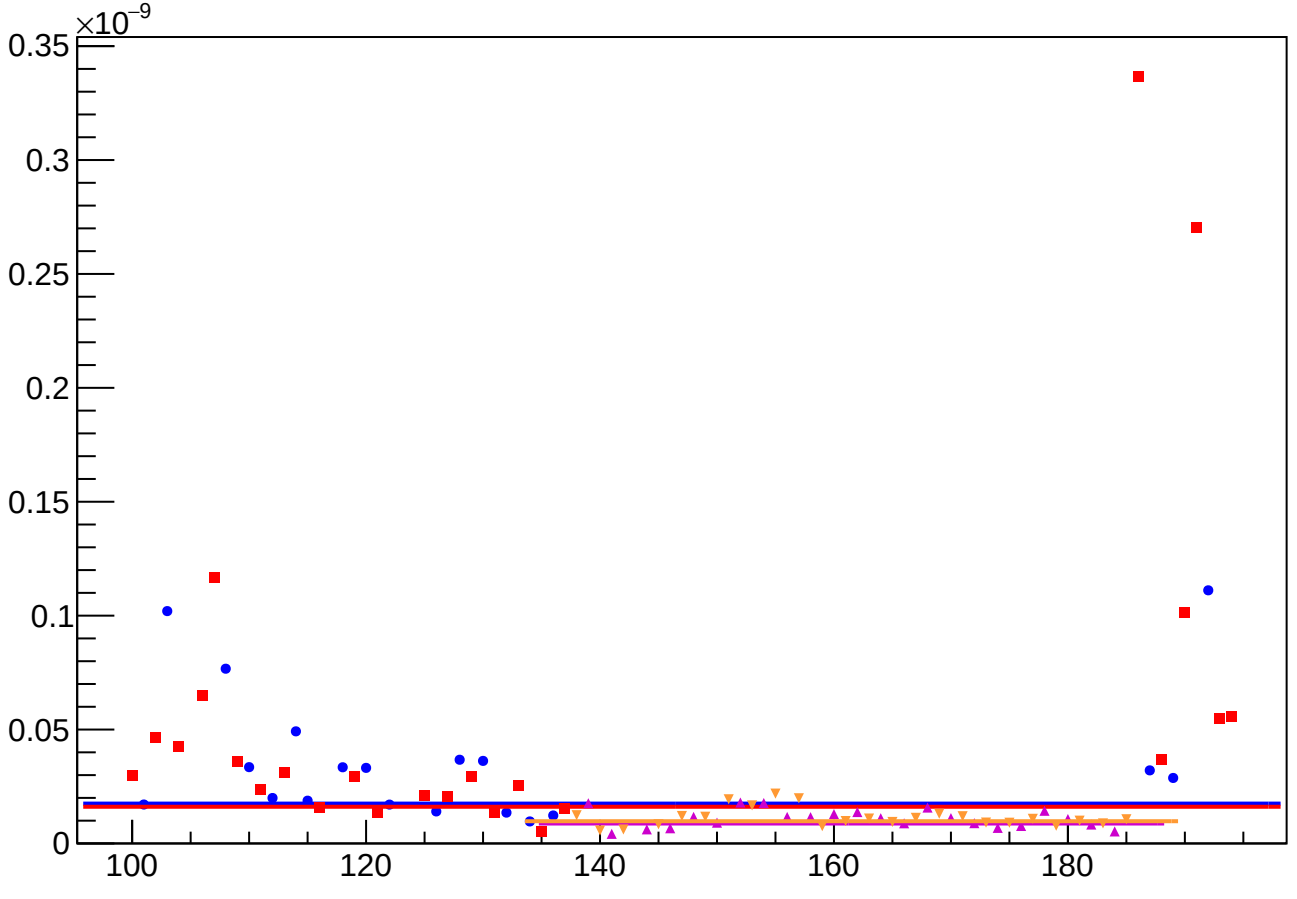
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 46.4/42

In: 0.000+/-0.000 χ^2/NDF:40.9/41

Out: 0.000+/-0.000 χ^2/NDF:49.1/47

All: 0.000+/-0.000 χ^2/NDF: 90.1/89



Right In: 0.000+/-0.000 χ^2/NDF: 2383983.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3798244.9/23

Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

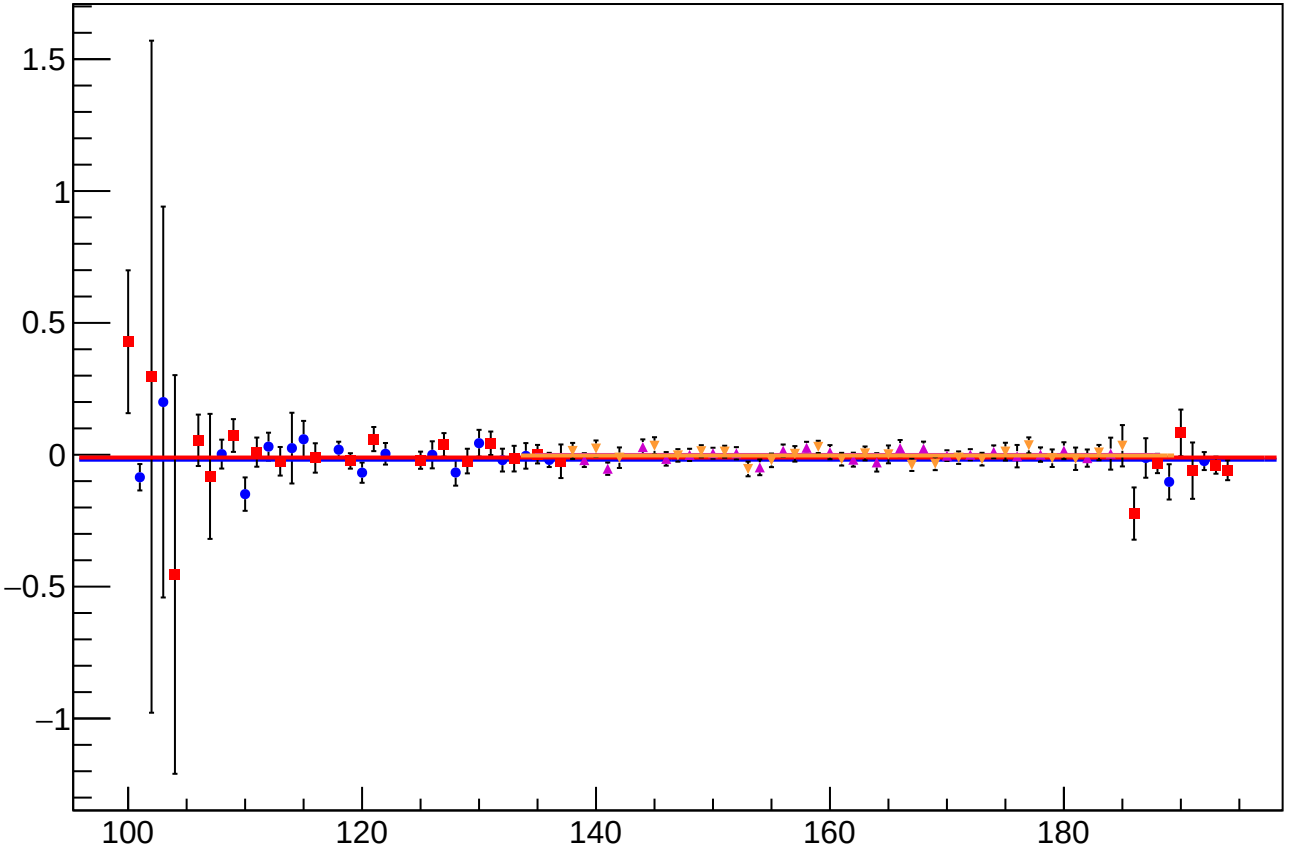
Right: 0.000+/-0.000 χ^2/NDF: 6199685.7/42

In: 0.000+/-0.000 χ^2/NDF:5513820.5/41

Out: 0.000+/-0.000 χ^2/NDF:5832647.7/47

All: 0.000+/-0.000 χ^2/NDF: 11406621.0/89

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.011 χ^2/NDF: 16.3/18

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.010+/-0.010 χ^2/NDF: 19.9/23

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

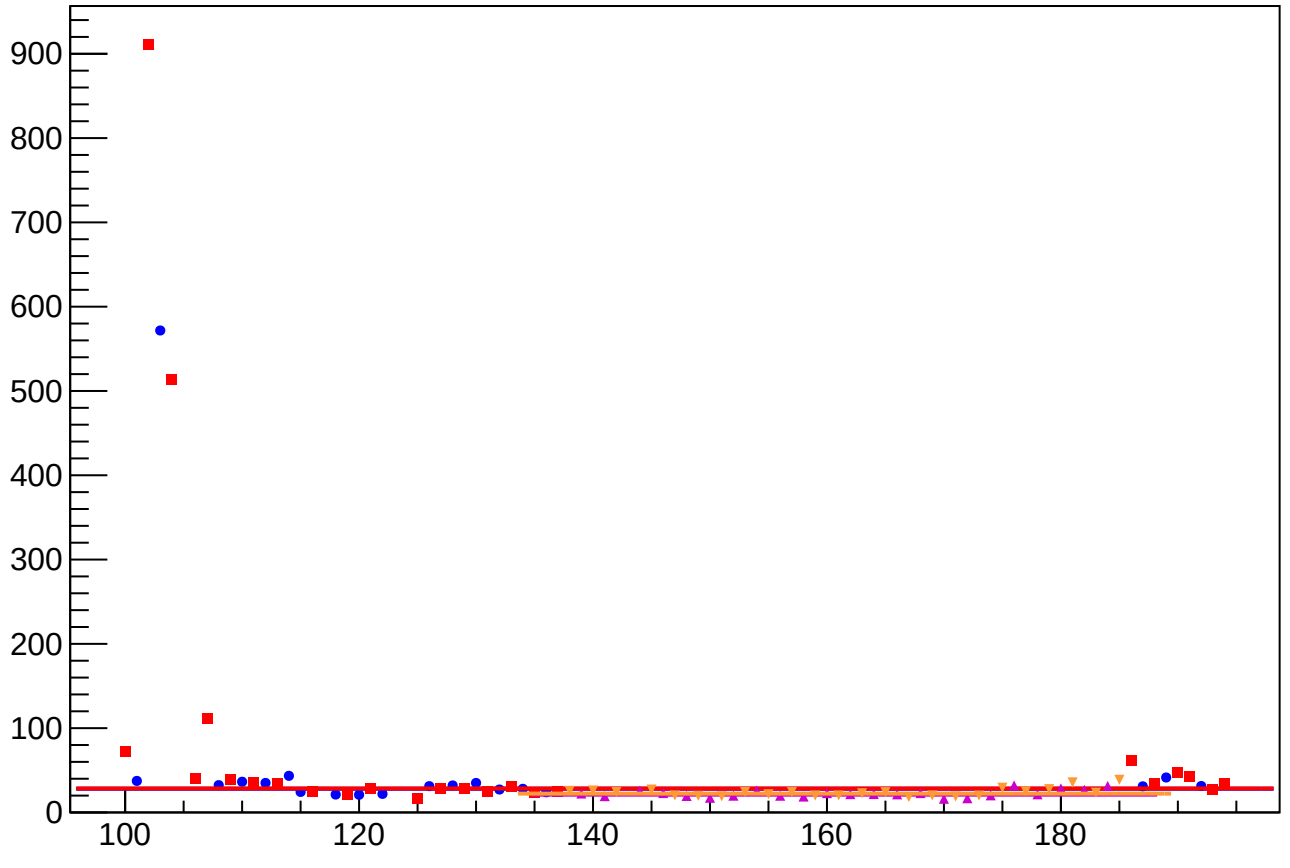
Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

Right: -0.014+/-0.007 χ^2/NDF: 36.5/42

In: -0.005+/-0.005 χ^2/NDF:33.4/41

Out: -0.005+/-0.005 χ^2/NDF:36.7/47

All: -0.005+/-0.003 χ^2/NDF: 70.1/89



Right In: 28.138+/-0.008 χ^2/NDF: 1678505.2/18

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 28.435+/-0.007 χ^2/NDF: 3129231.1/23

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

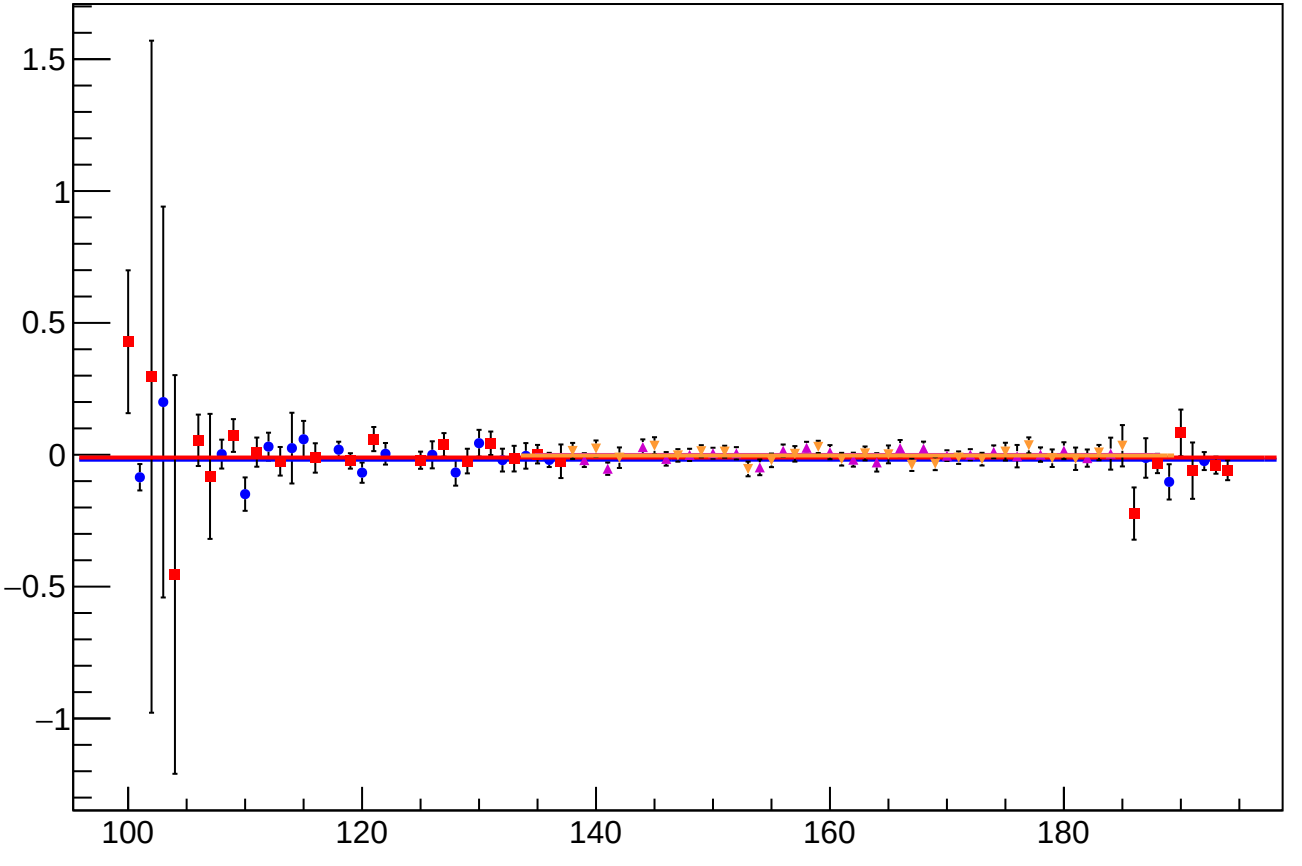
Right: 28.294+/-0.005 χ^2/NDF: 4808545.6/42

In: 22.557+/-0.003 χ^2/NDF:3184865.6/41

Out: 23.800+/-0.004 χ^2/NDF:4488964.9/47

All: 23.166+/-0.002 χ^2/NDF: 7737718.0/89

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.011 χ^2/NDF: 16.3/18

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.010+/-0.010 χ^2/NDF: 19.9/23

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

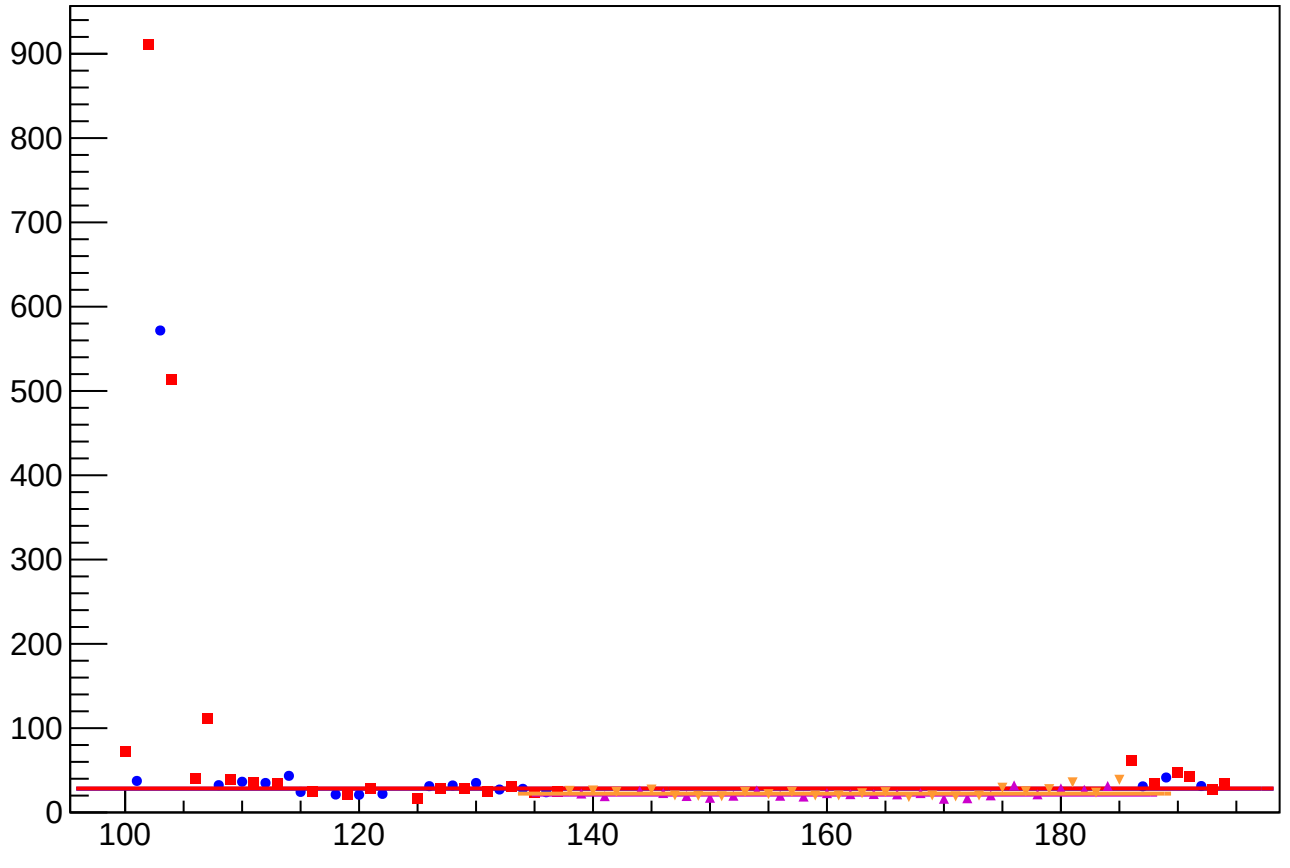
Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

Right: -0.014+/-0.007 χ^2/NDF: 36.5/42

In: -0.005+/-0.005 χ^2/NDF:33.4/41

Out: -0.005+/-0.005 χ^2/NDF:36.7/47

All: -0.005+/-0.003 χ^2/NDF: 70.1/89



Right In: 28.138+/-0.008 χ^2/NDF: 1678505.2/18

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 28.435+/-0.007 χ^2/NDF: 3129231.1/23

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

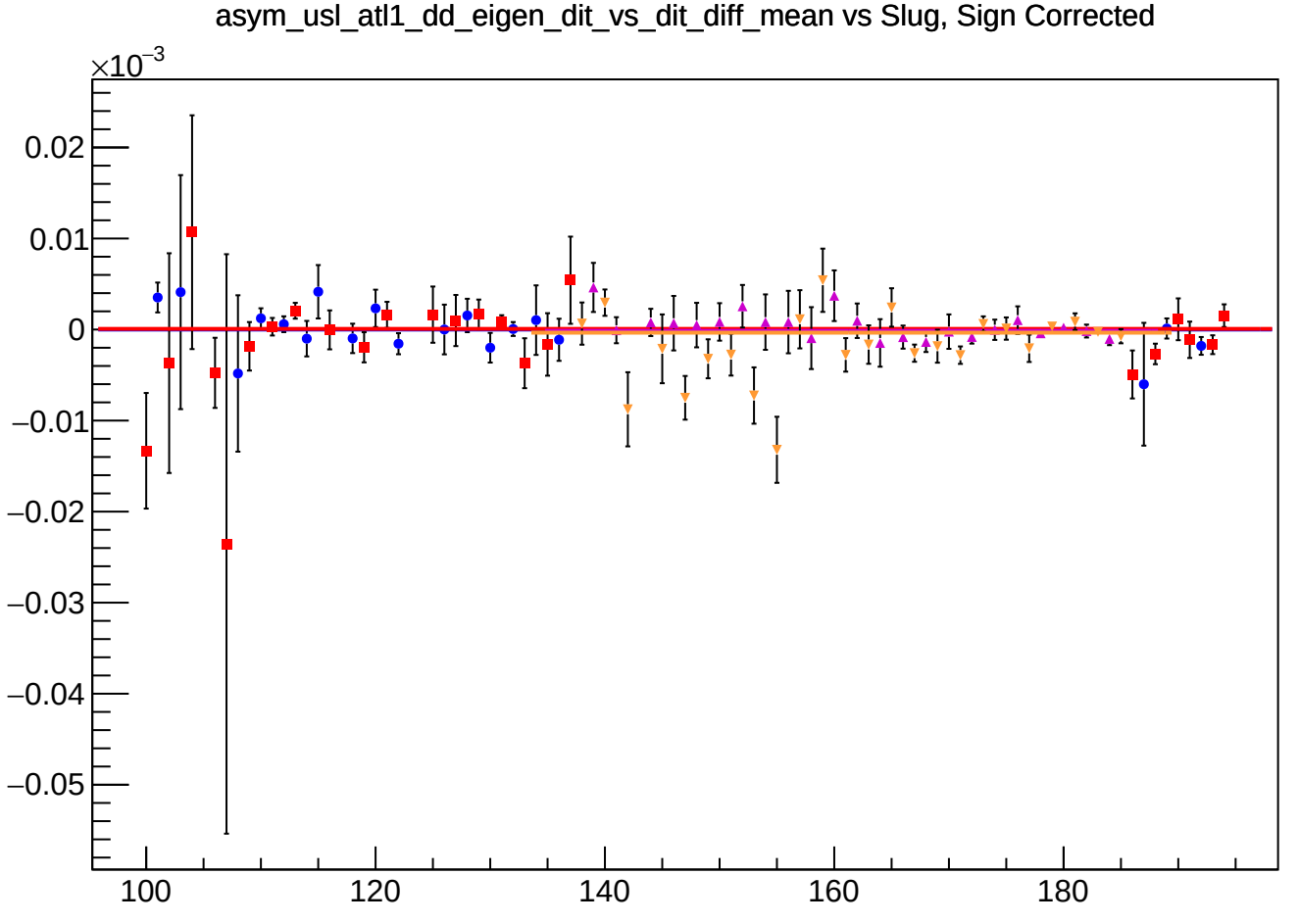
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 28.294+/-0.005 χ^2/NDF: 4808545.6/42

In: 22.557+/-0.003 χ^2/NDF:3184865.6/41

Out: 23.800+/-0.004 χ^2/NDF:4488964.9/47

All: 23.166+/-0.002 χ^2/NDF: 7737718.0/89



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 35.7/23

Left In: -0.000+/-0.000 χ^2/NDF:14.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

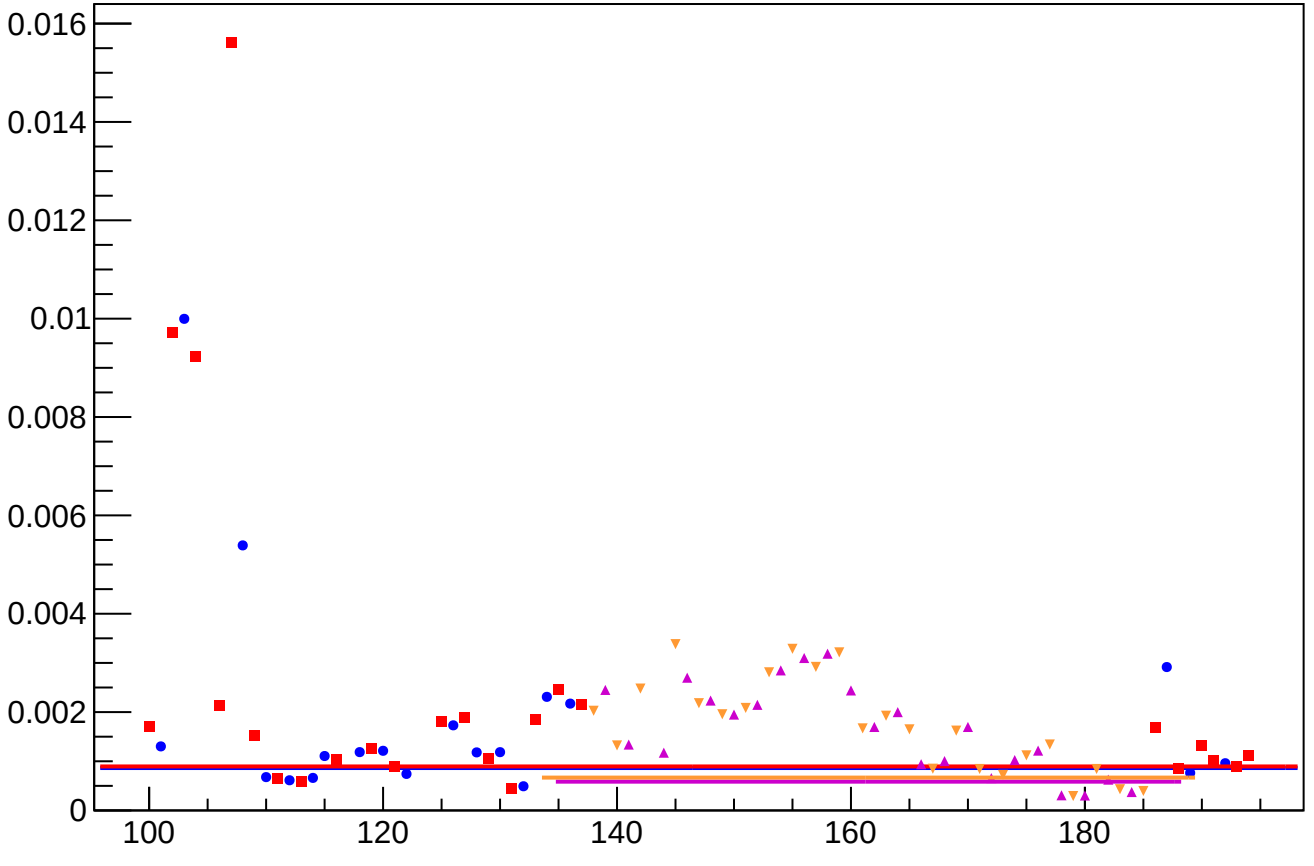
Right: 0.000+/-0.000 χ^2/NDF: 54.9/42

In: -0.000+/-0.000 χ^2/NDF:33.5/41

Out: -0.000+/-0.000 χ^2/NDF:105.0/47

All: -0.000+/-0.000 χ^2/NDF: 138.7/89

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4086544.5/18

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 5396760.8/23

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

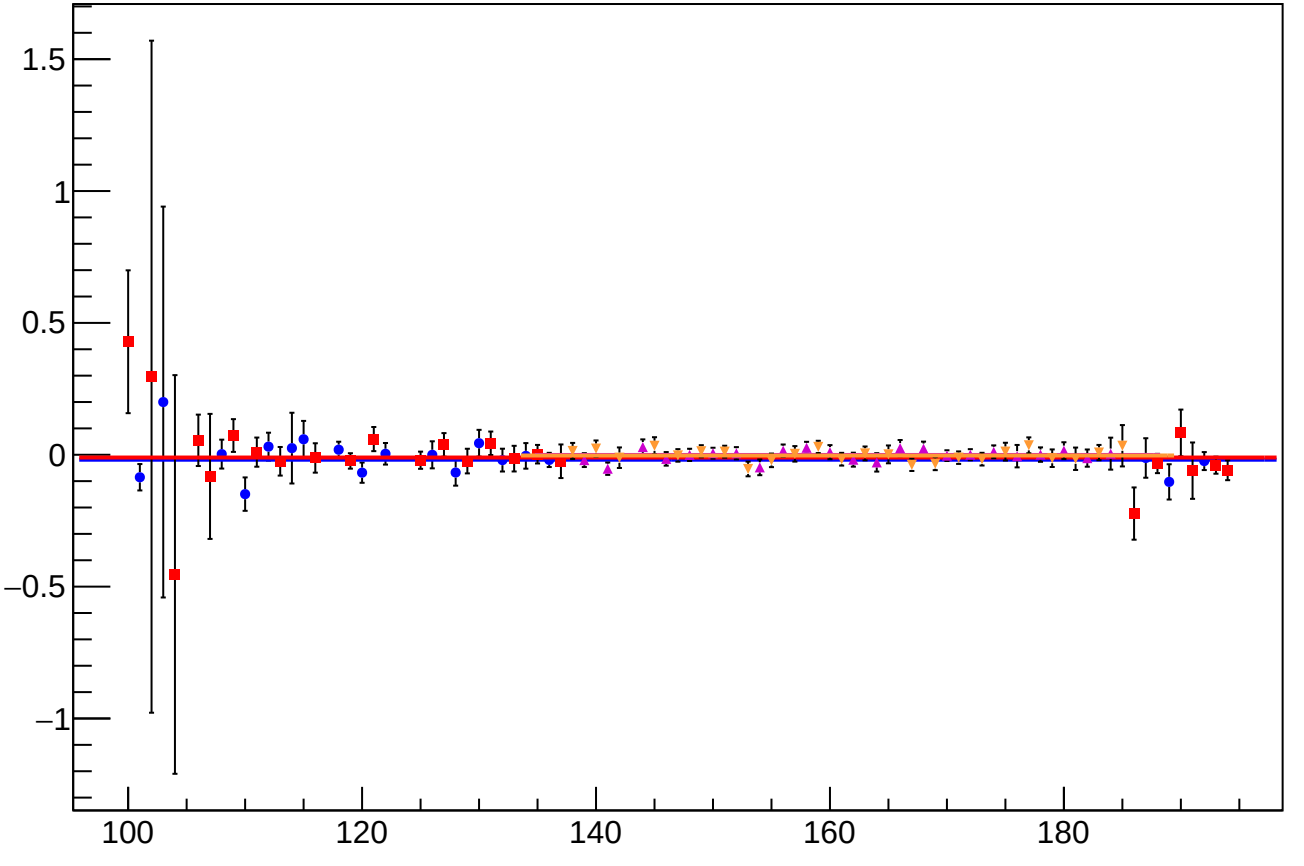
Right: 0.001+/-0.000 χ^2/NDF: 9492624.0/42

In: 0.001+/-0.000 χ^2/NDF:20790106.5/41

Out: 0.001+/-0.000 χ^2/NDF:21453893.1/47

All: 0.001+/-0.000 χ^2/NDF: 42466630.4/89

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.011 χ^2/NDF: 16.3/18

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.010+/-0.010 χ^2/NDF: 19.9/23

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

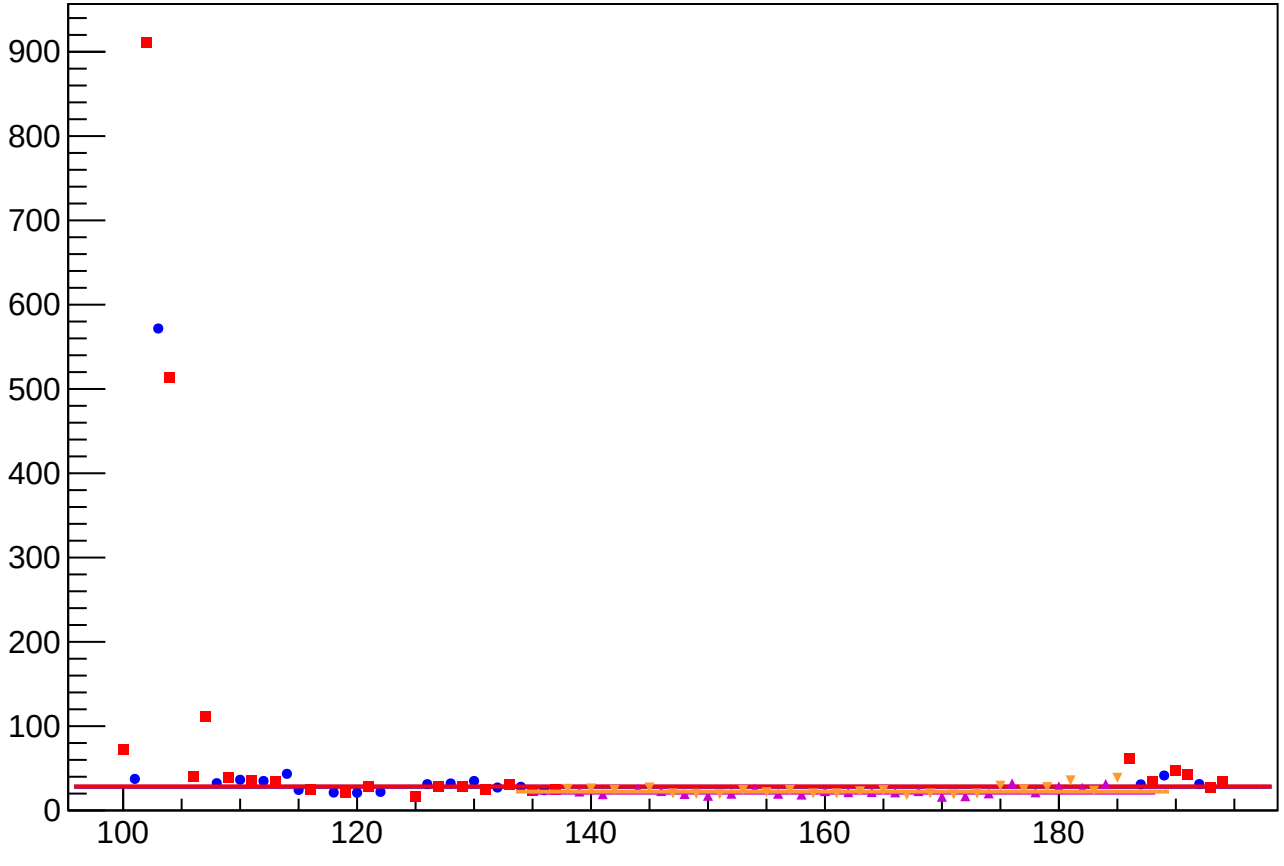
Right: -0.014+/-0.007 χ^2/NDF: 36.5/42

In: -0.005+/-0.005 χ^2/NDF:33.4/41

Out: -0.005+/-0.005 χ^2/NDF:36.7/47

All: -0.005+/-0.003 χ^2/NDF: 70.1/89

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.138+/-0.008 χ^2/NDF: 1678500.5/18

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 28.435+/-0.007 χ^2/NDF: 3129237.4/23

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

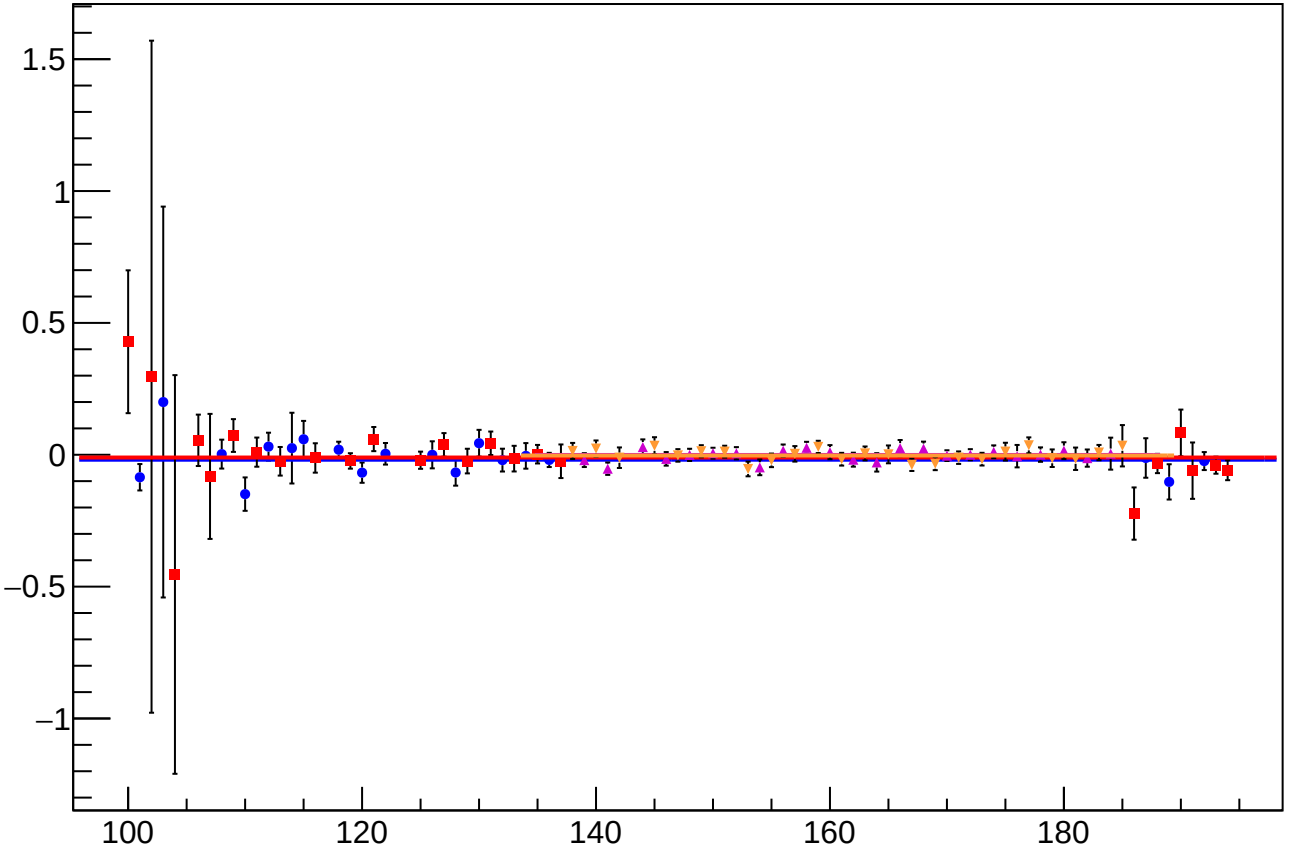
Right: 28.294+/-0.005 χ^2/NDF: 4808547.1/42

In: 22.557+/-0.003 χ^2/NDF:3184874.7/41

Out: 23.800+/-0.004 χ^2/NDF:4488944.2/47

All: 23.166+/-0.002 χ^2/NDF: 7737704.1/89

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.011 χ^2/NDF: 16.3/18

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.010+/-0.010 χ^2/NDF: 19.9/23

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

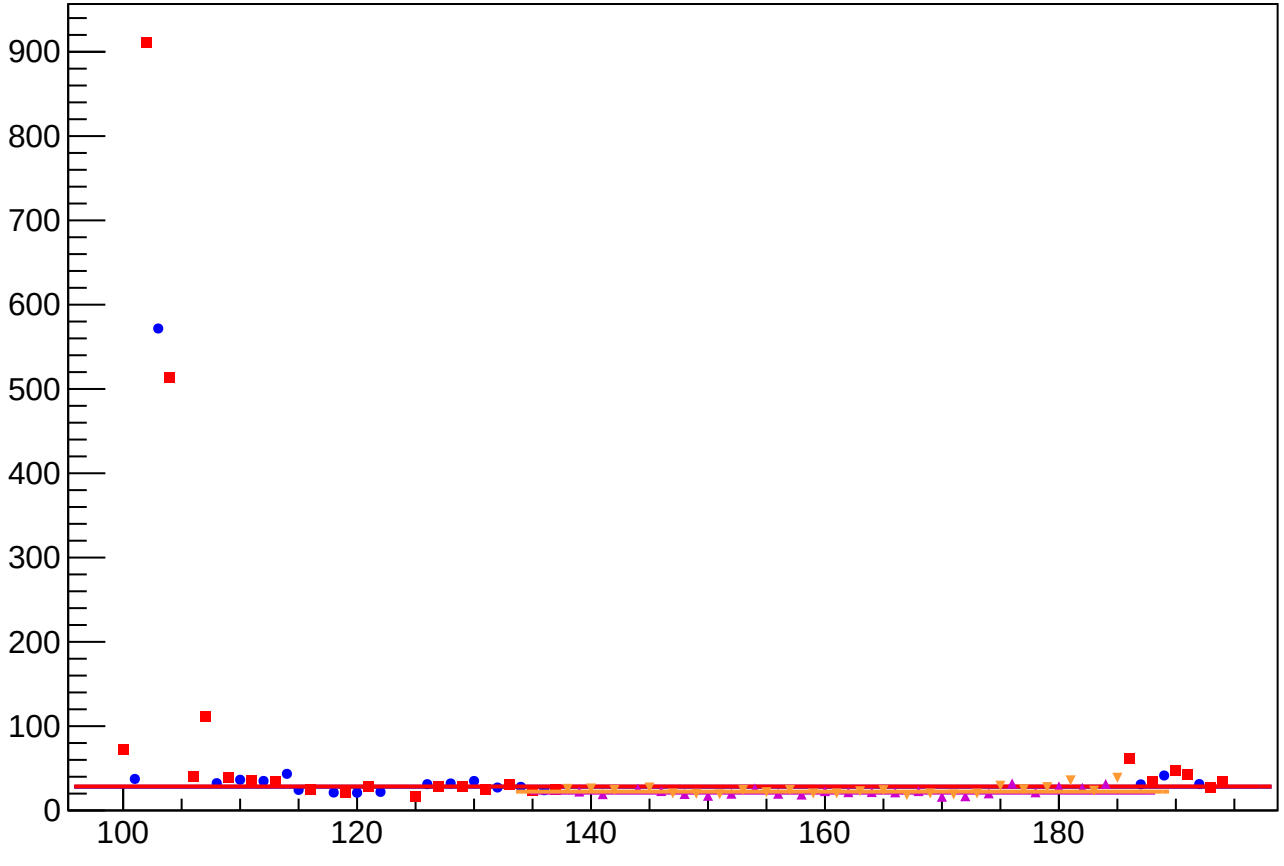
Right: -0.014+/-0.007 χ^2/NDF: 36.5/42

In: -0.005+/-0.005 χ^2/NDF:33.4/41

Out: -0.005+/-0.005 χ^2/NDF:36.7/47

All: -0.005+/-0.003 χ^2/NDF: 70.1/89

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.138+/-0.008 χ^2/NDF: 1678500.5/18

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 28.435+/-0.007 χ^2/NDF: 3129237.4/23

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

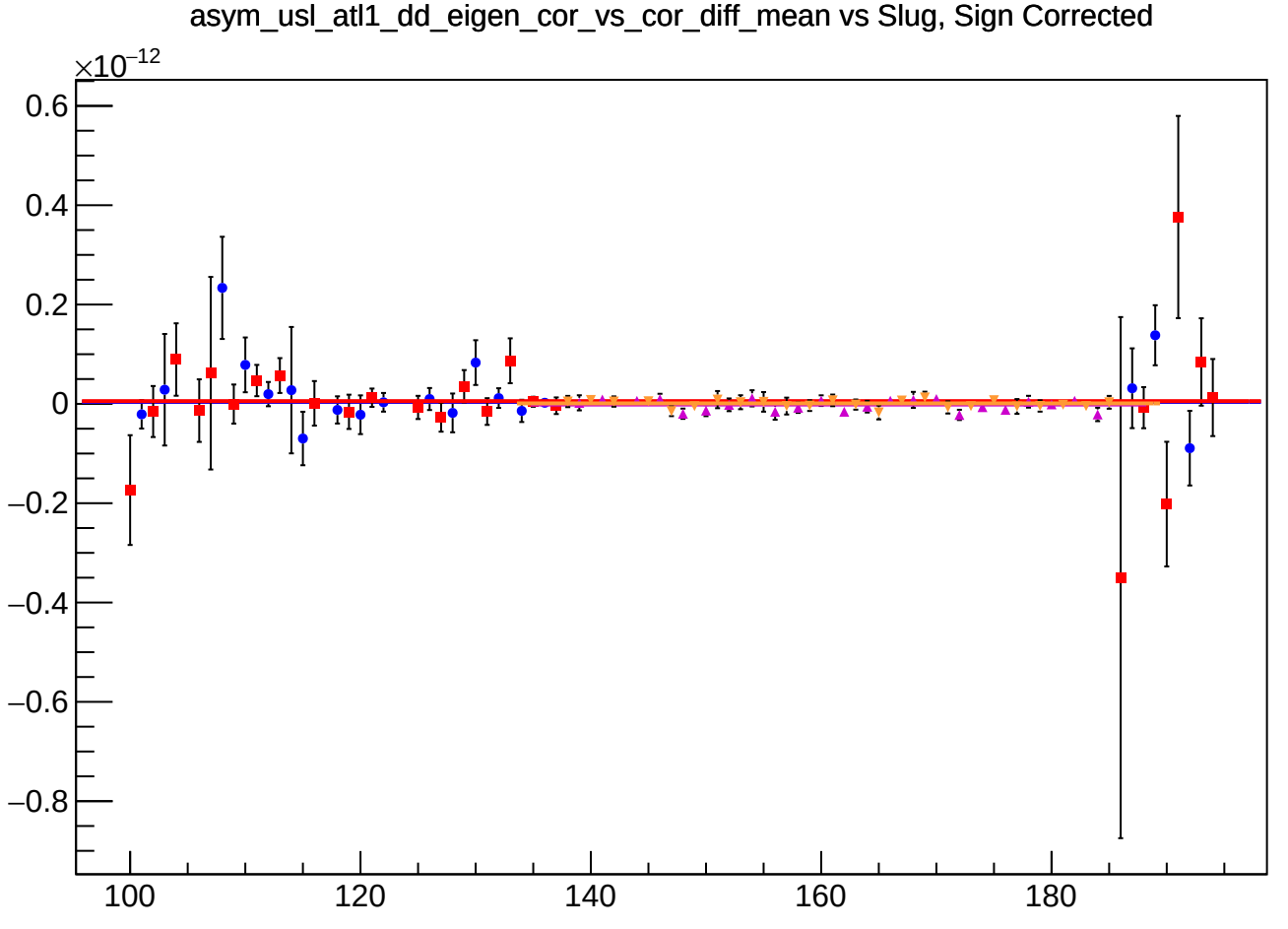
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 28.294+/-0.005 χ^2/NDF: 4808547.1/42

In: 22.557+/-0.003 χ^2/NDF:3184874.7/41

Out: 23.800+/-0.004 χ^2/NDF:4488944.2/47

All: 23.166+/-0.002 χ^2/NDF: 7737704.1/89



Right In: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/23

Left In: -0.000+/-0.000 χ^2/NDF:25.8/22

Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

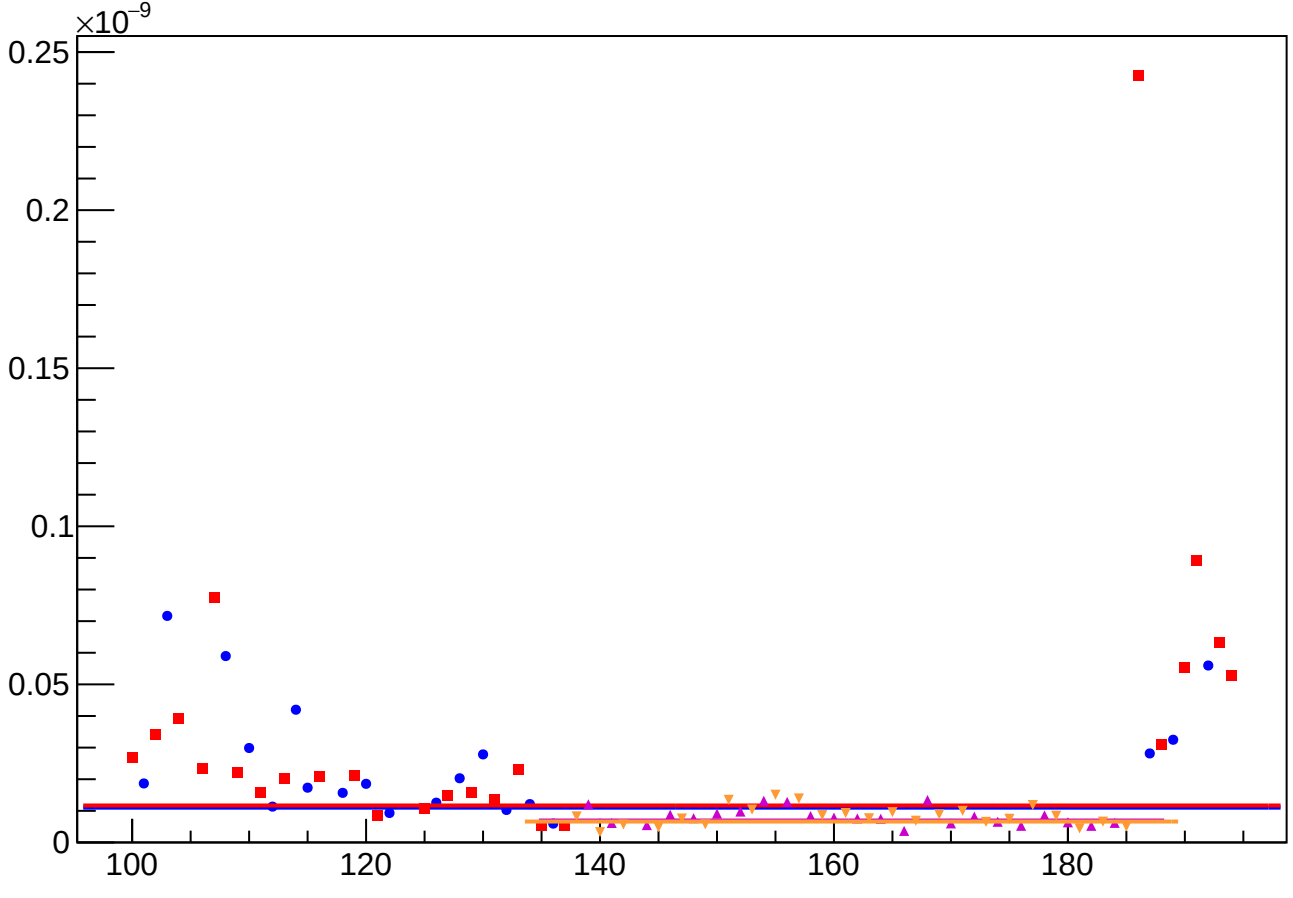
Right: 0.000+/-0.000 χ^2/NDF: 44.4/42

In: -0.000+/-0.000 χ^2/NDF:48.1/41

Out: 0.000+/-0.000 χ^2/NDF:34.8/47

All: 0.000+/-0.000 χ^2/NDF: 83.6/89

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3872245.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5443181.3/23

Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

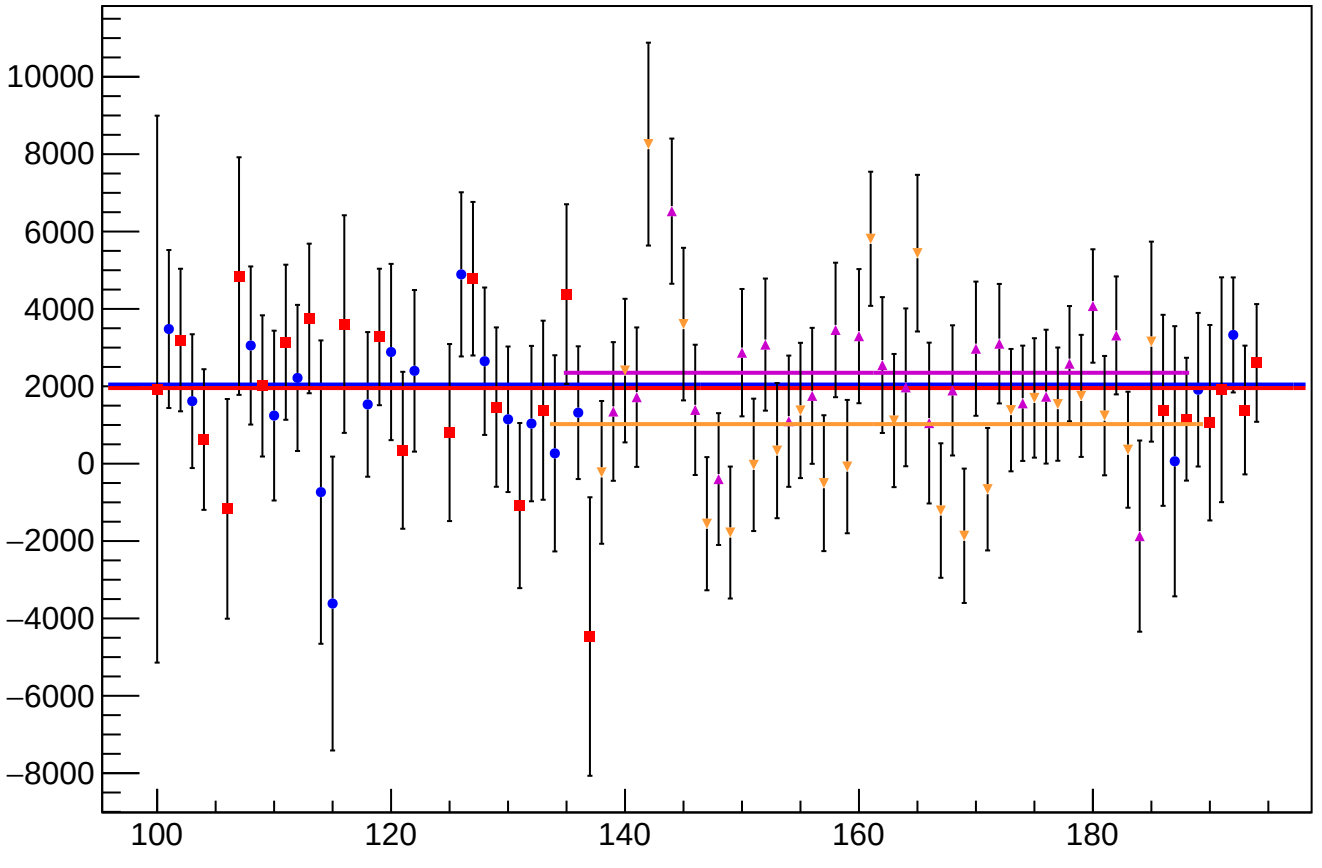
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 9329293.3/42

In: 0.000+/-0.000 χ^2/NDF:7095784.2/41

Out: 0.000+/-0.000 χ^2/NDF:10202725.2/47

All: 0.000+/-0.000 χ^2/NDF: 17321160.9/89



Right In: 2045.450+/-473.748 χ^2/NDF: 8.0/18

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: 1953.713+/-433.016 χ^2/NDF: 15.3/23

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

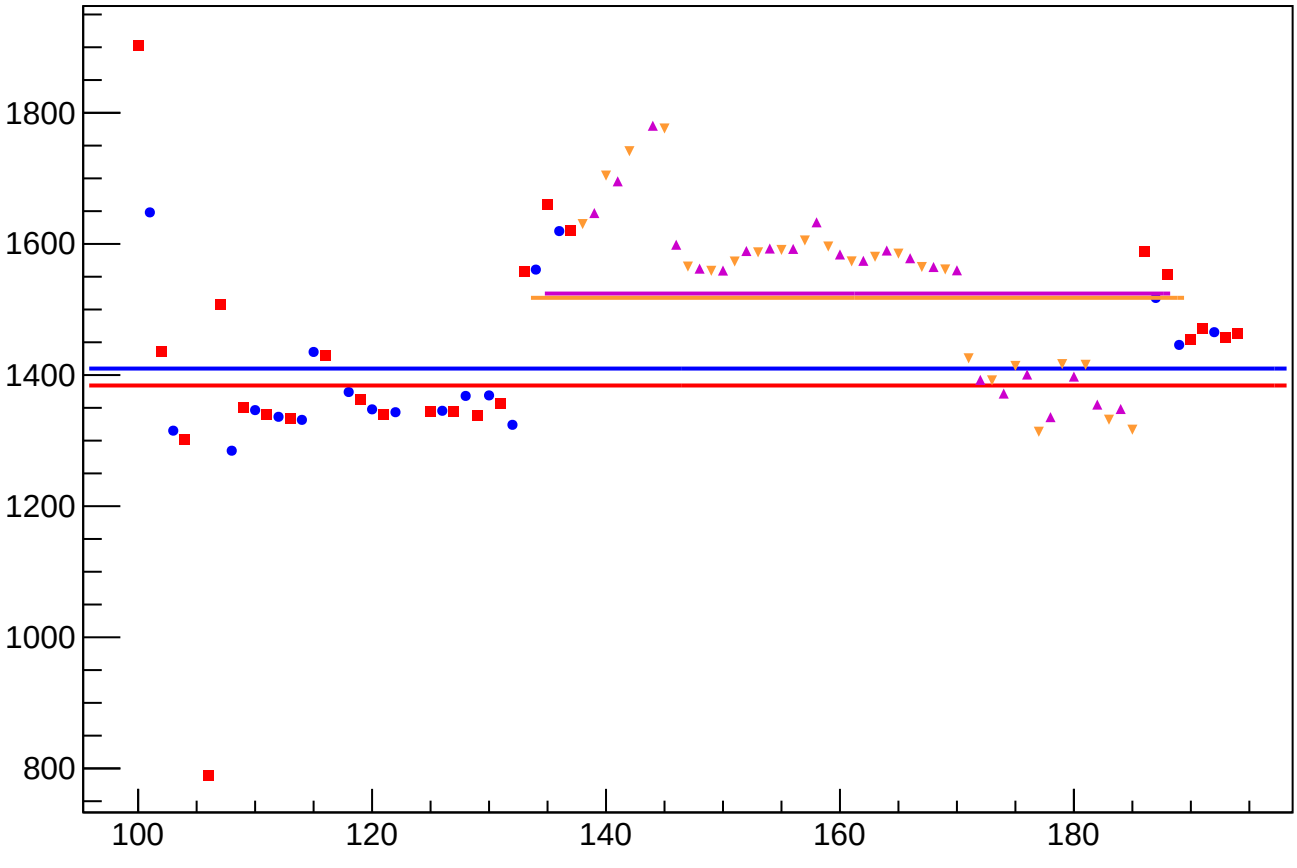
Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

Right: 1995.469+/-319.620 χ^2/NDF: 23.3/42

In: 2239.151+/-285.146 χ^2/NDF:24.3/41

Out: 1394.924+/-273.818 χ^2/NDF:54.5/47

All: 1799.936+/-197.502 χ^2/NDF: 83.3/89



Right In: 1409.912+/-0.335 χ^2/NDF: 100287.6/18

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1384.080+/-0.299 χ^2/NDF: 383600.1/23

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

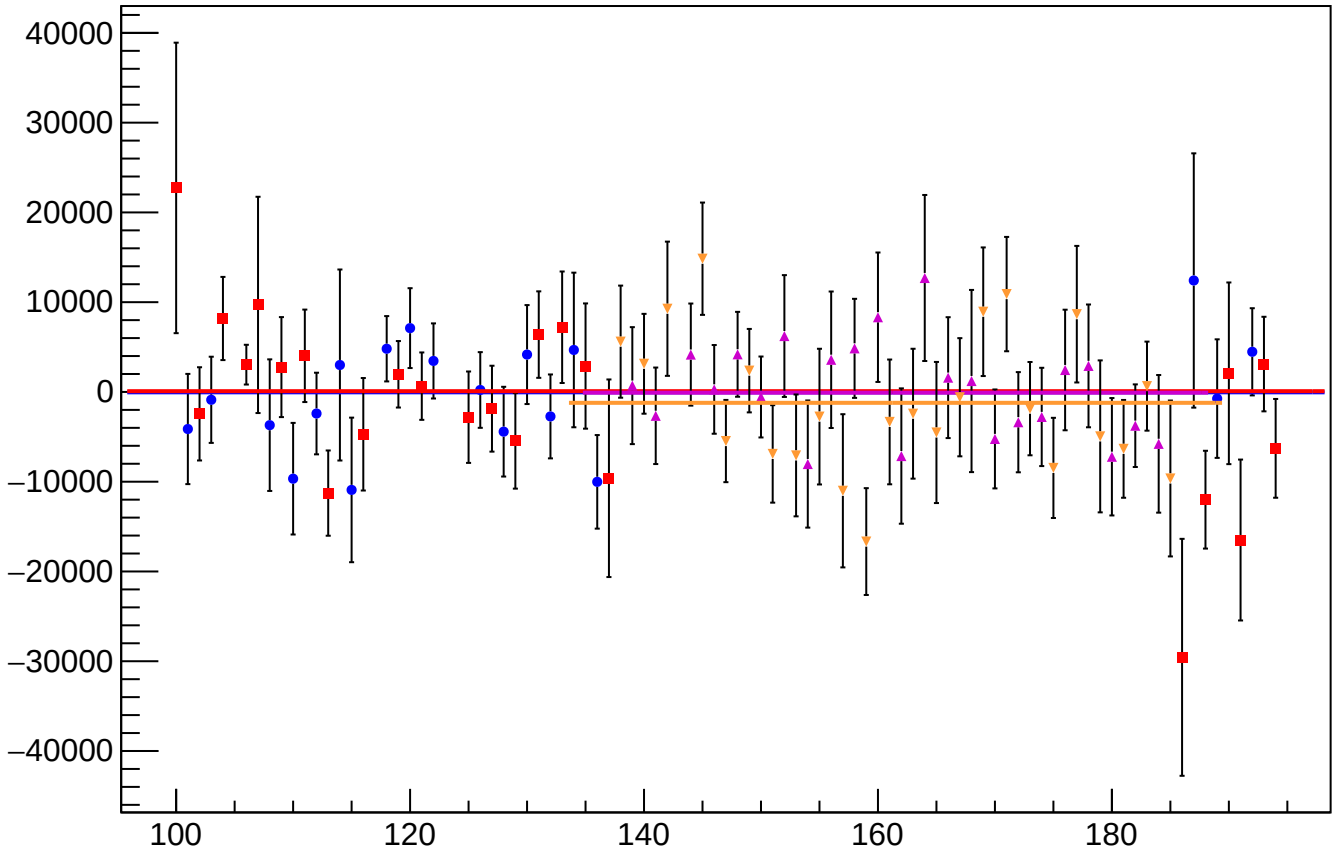
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

Right: 1395.553+/-0.223 χ^2/NDF: 487193.2/42

In: 1482.869+/-0.202 χ^2/NDF:398984.9/41

Out: 1462.902+/-0.192 χ^2/NDF:735122.2/47

All: 1472.391+/-0.139 χ^2/NDF: 1139253.2/89



Right In: -42.396+/-1225.576 χ^2/NDF: 17.6/18

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: 85.483+/-1038.028 χ^2/NDF: 35.7/23

Left In: -80.780+/-1264.327 χ^2/NDF:13.2/22

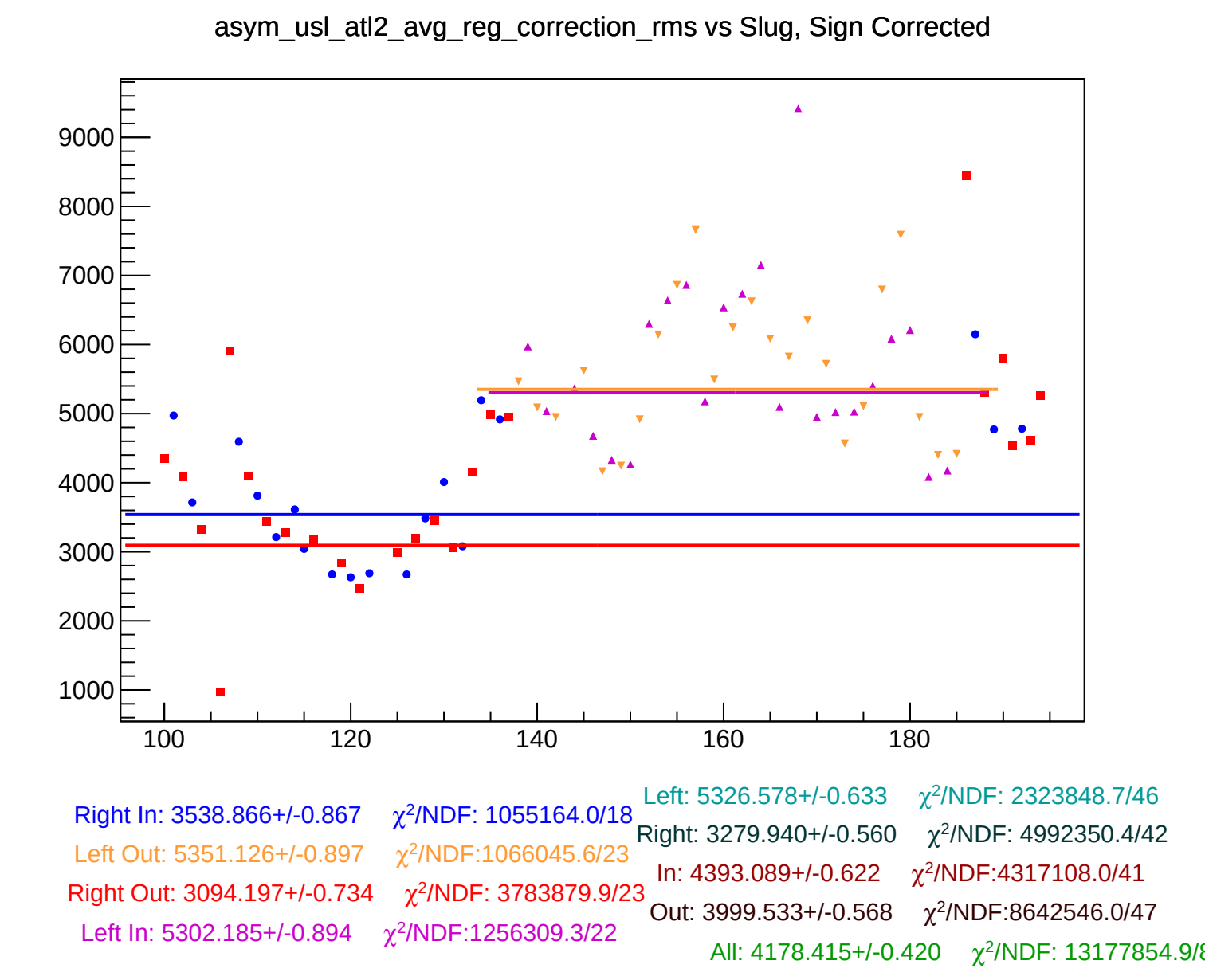
Left: -644.555+/-895.421 χ^2/NDF: 46.8/46

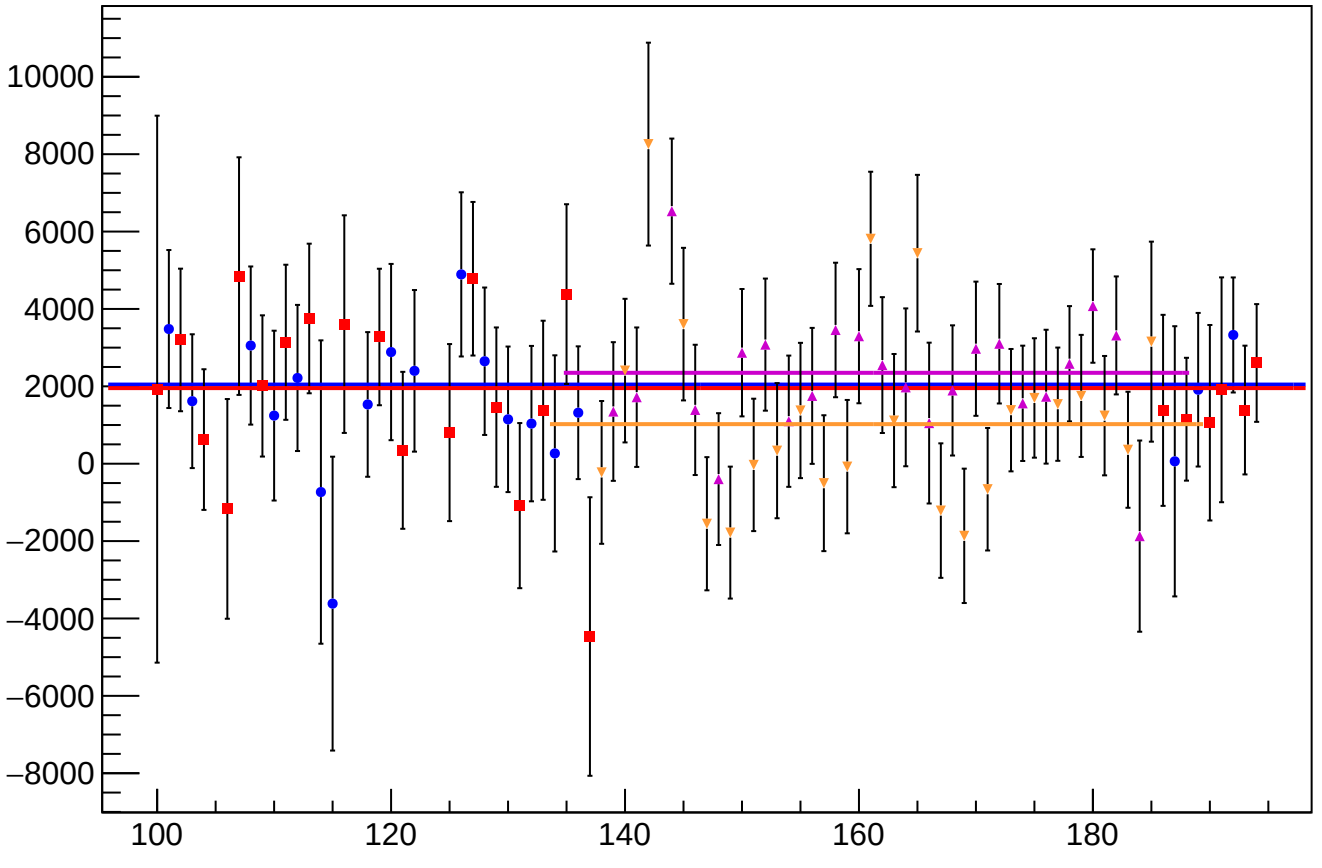
Right: 32.066+/-792.097 χ^2/NDF: 53.4/42

In: -60.991+/-879.994 χ^2/NDF:30.8/41

Out: -434.942+/-803.292 χ^2/NDF:69.6/47

All: -264.971+/-593.280 χ^2/NDF: 100.5/89


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
Right In: 3538.866+/-0.867 χ²/NDF: 1055164.0/18
Left Out: 5351.126+/-0.897 χ²/NDF:1066045.6/23
Right Out: 3094.197+/-0.734 χ²/NDF: 3783879.9/23
Left In: 5302.185+/-0.894 χ²/NDF:1256309.3/22
Left: 5326.578+/-0.633 χ²/NDF: 2323848.7/46
Right: 3279.940+/-0.560 χ²/NDF: 4992350.4/42
In: 4393.089+/-0.622 χ²/NDF:4317108.0/41
Out: 3999.533+/-0.568 χ²/NDF:8642546.0/47
All: 4178.415+/-0.420 χ²/NDF: 13177854.9/8



Right In: 2045.514+/-473.748 χ^2/NDF: 8.0/18

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 1953.831+/-433.018 χ^2/NDF: 15.3/23

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

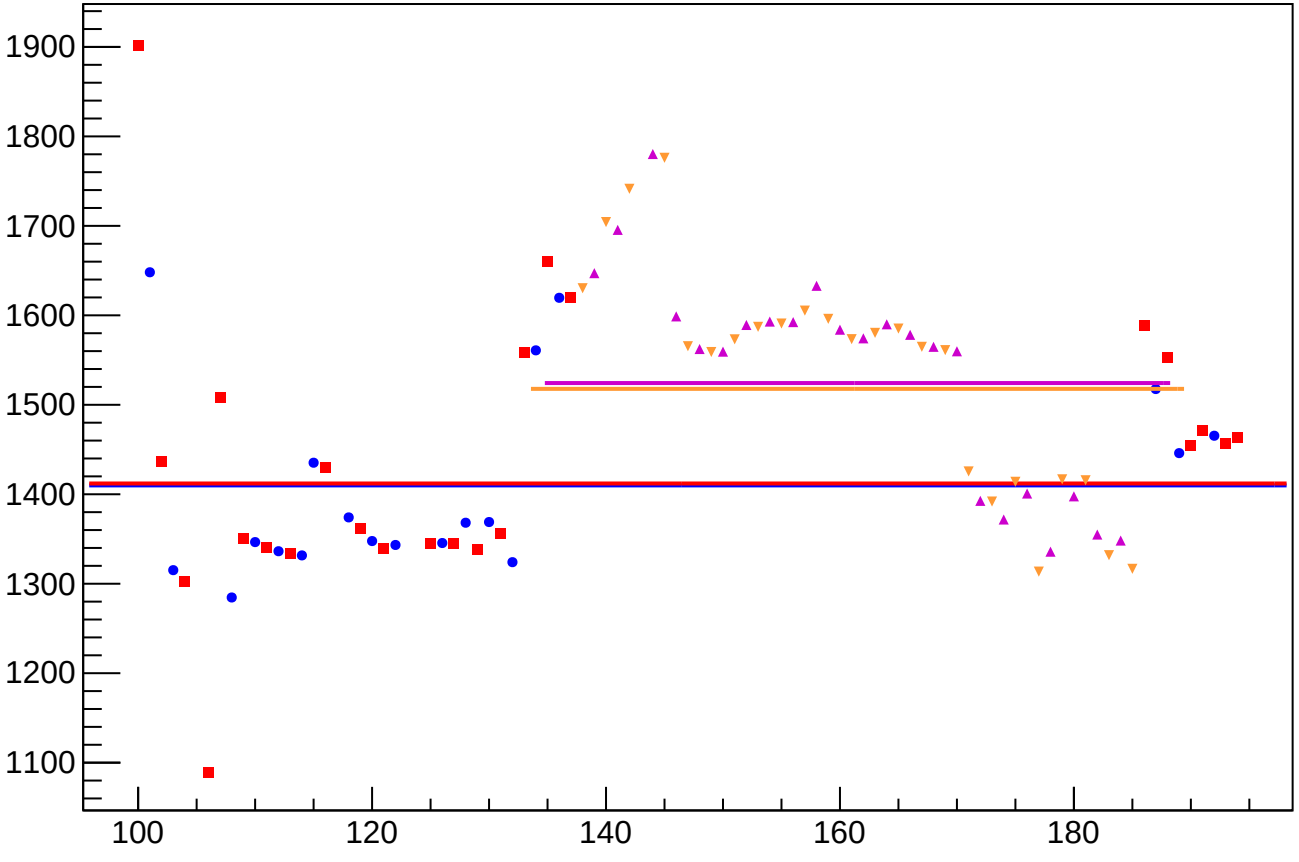
Right: 1995.563+/-319.621 χ^2/NDF: 23.3/42

In: 2239.173+/-285.146 χ^2/NDF:24.3/41

Out: 1394.987+/-273.819 χ^2/NDF:54.5/47

All: 1799.980+/-197.502 χ^2/NDF: 83.3/89

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1409.912+/-0.335 χ^2/NDF: 100287.6/18

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1412.043+/-0.303 χ^2/NDF: 154971.9/23

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

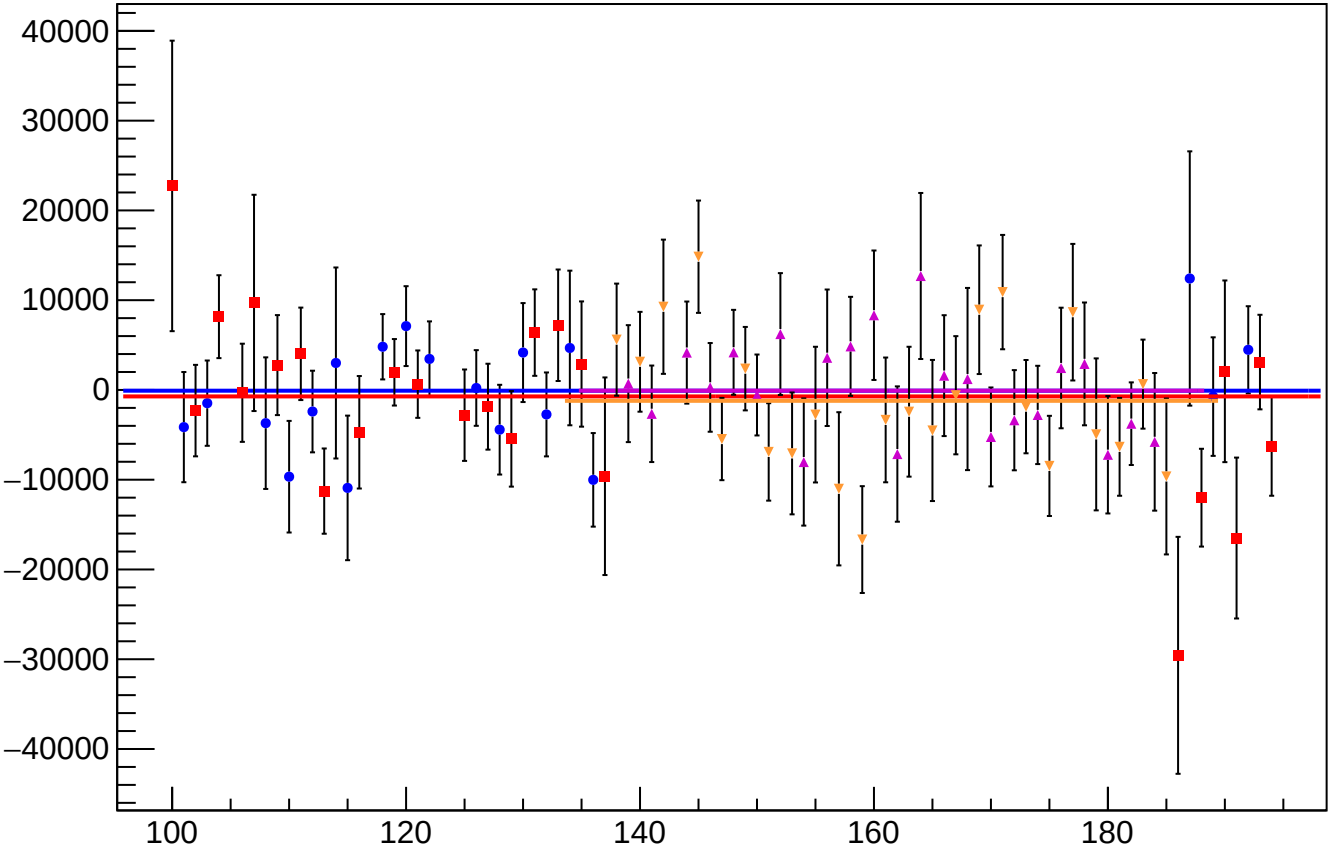
Right: 1411.083+/-0.225 χ^2/NDF: 255281.8/42

In: 1482.869+/-0.202 χ^2/NDF:398985.1/41

Out: 1475.046+/-0.193 χ^2/NDF:461348.8/47

All: 1478.784+/-0.139 χ^2/NDF: 861119.7/89

asym_usl_atl2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -83.560+/-1224.742 χ^2/NDF: 17.7/18

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -721.367+/-1147.615 χ^2/NDF: 33.4/23

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

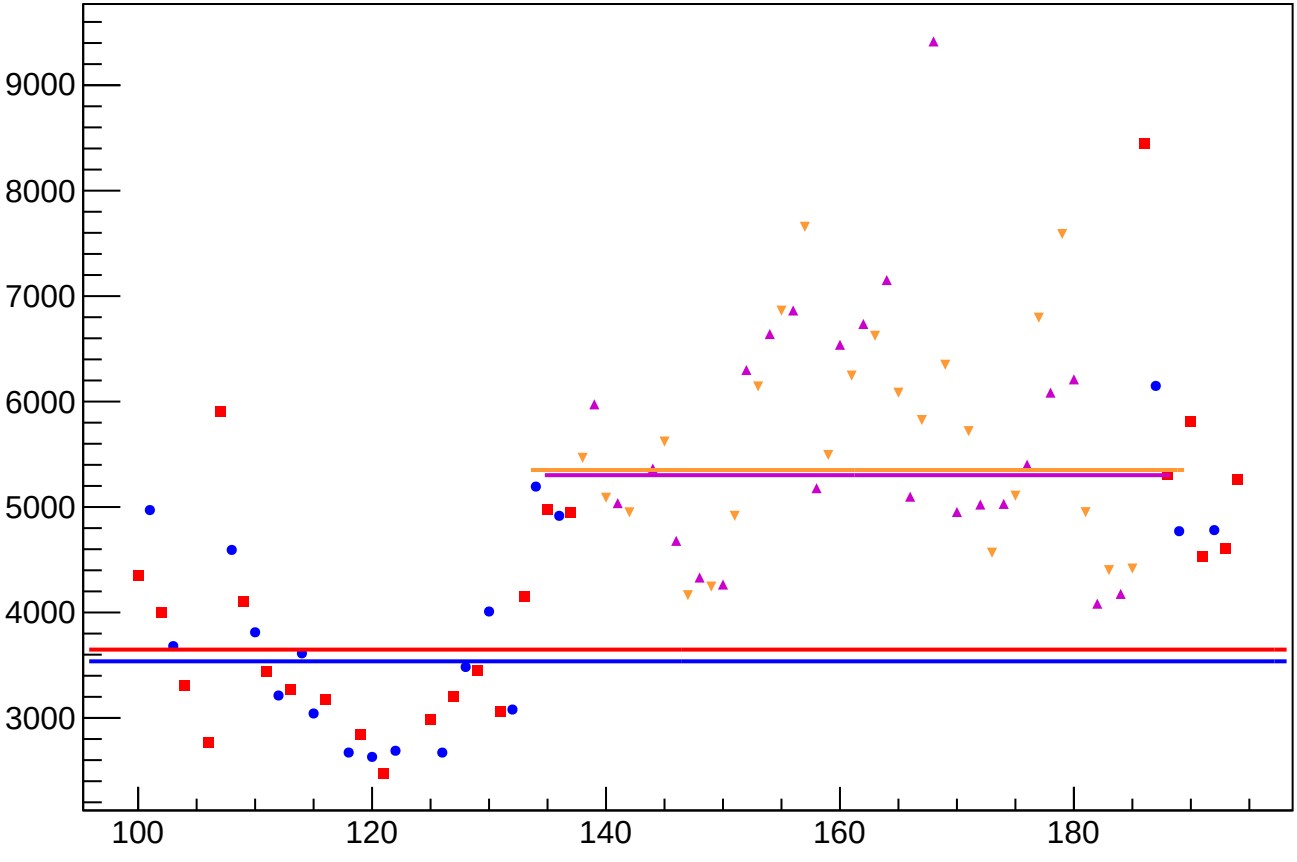
Right: -423.177+/-837.426 χ^2/NDF: 51.3/42

In: -82.170+/-879.684 χ^2/NDF:30.9/41

Out: -942.182+/-850.967 χ^2/NDF:66.8/47

All: -526.442+/-611.625 χ^2/NDF: 98.2/89

asym_usl_atl2_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 3536.856+/-0.866 χ^2/NDF: 1054155.2/18

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3647.969+/-0.811 χ^2/NDF: 1473366.7/23

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

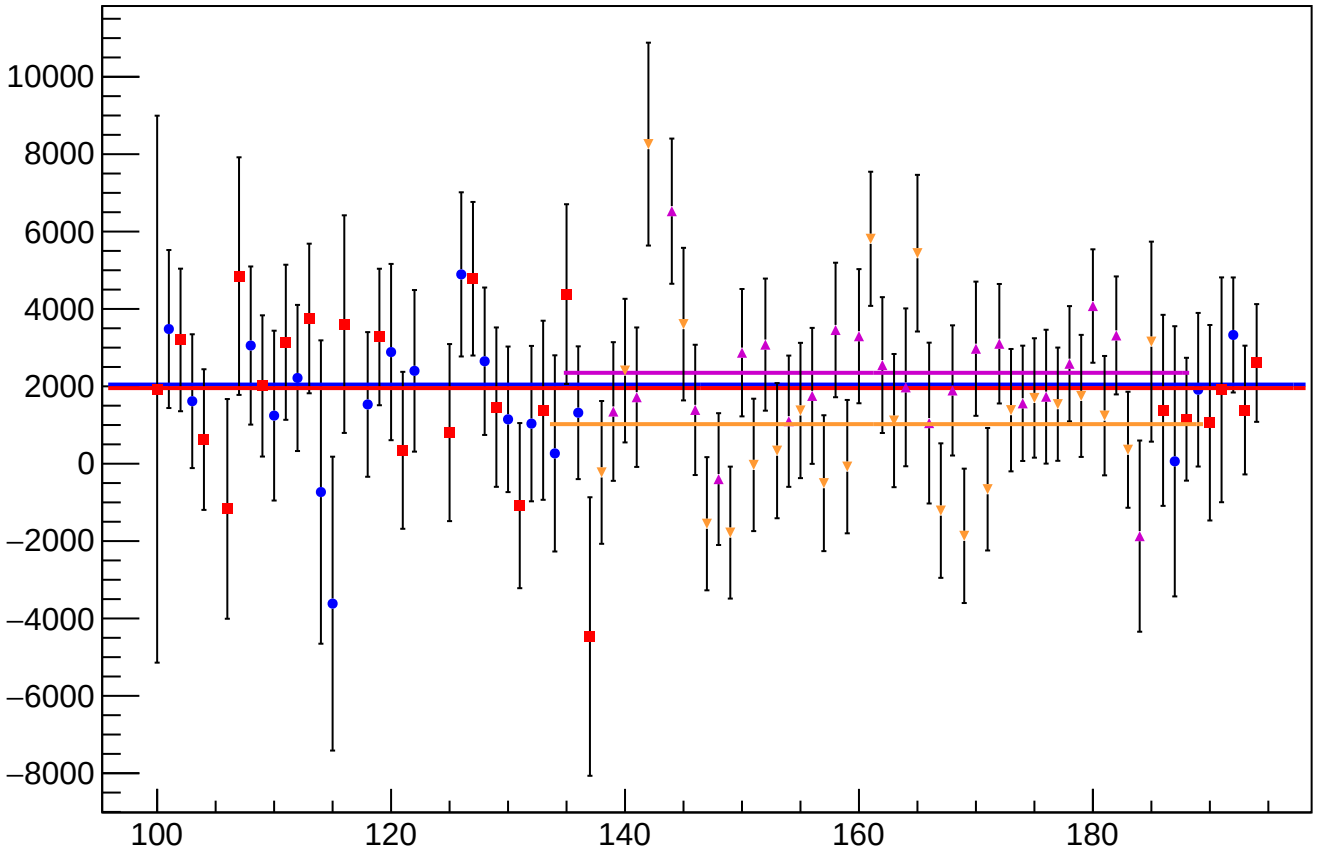
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3596.021+/-0.592 χ^2/NDF: 2536287.3/42

In: 4391.450+/-0.622 χ^2/NDF:4322000.1/41

Out: 4414.671+/-0.602 χ^2/NDF:4522394.8/47

All: 4403.446+/-0.432 χ^2/NDF: 8845114.8/89



Right In: 2045.514+/-473.748 χ^2/NDF: 8.0/18

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 1953.831+/-433.018 χ^2/NDF: 15.3/23

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

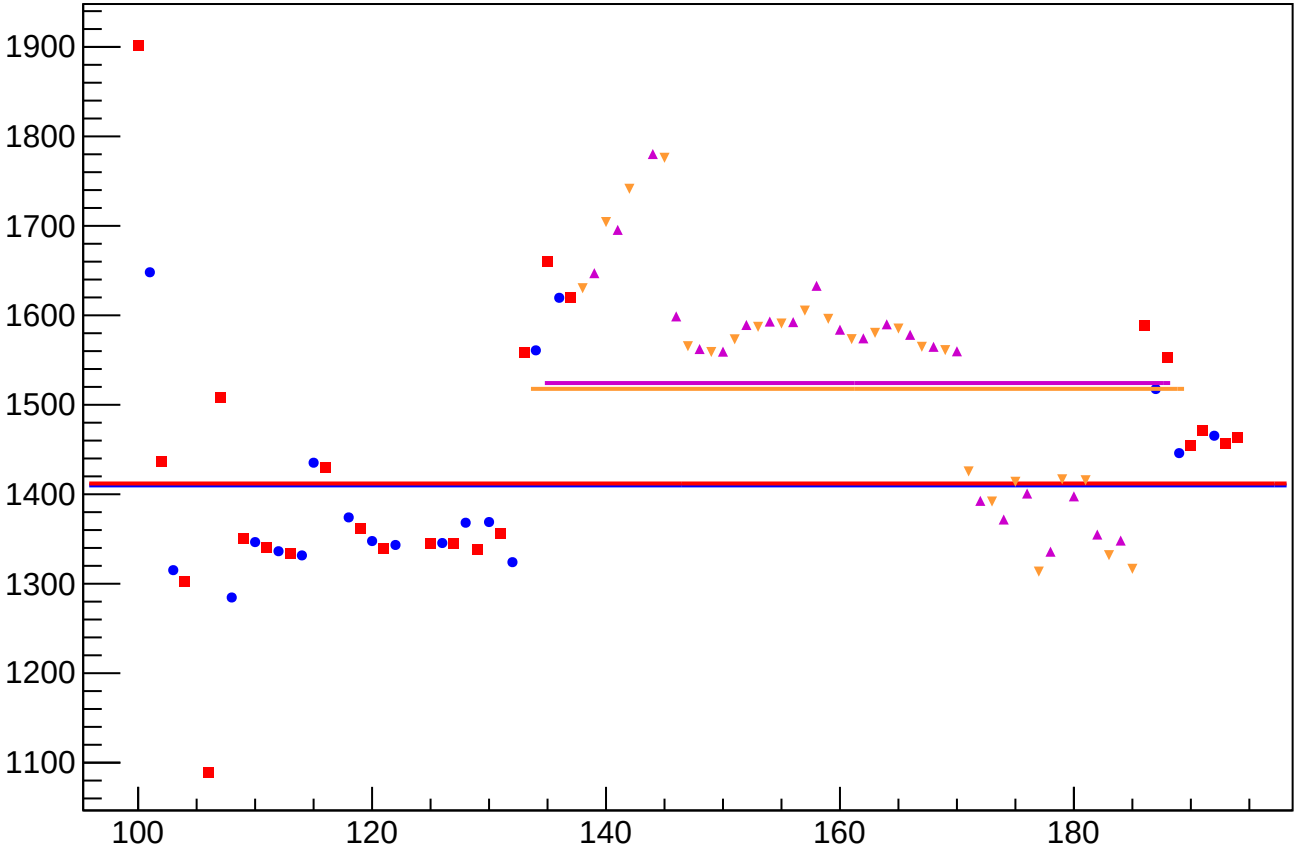
Right: 1995.563+/-319.621 χ^2/NDF: 23.3/42

In: 2239.173+/-285.146 χ^2/NDF:24.3/41

Out: 1394.987+/-273.819 χ^2/NDF:54.5/47

All: 1799.980+/-197.502 χ^2/NDF: 83.3/89

eigen_cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1409.912+/-0.335 χ^2/NDF: 100287.6/18

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1412.043+/-0.303 χ^2/NDF: 154971.9/23

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

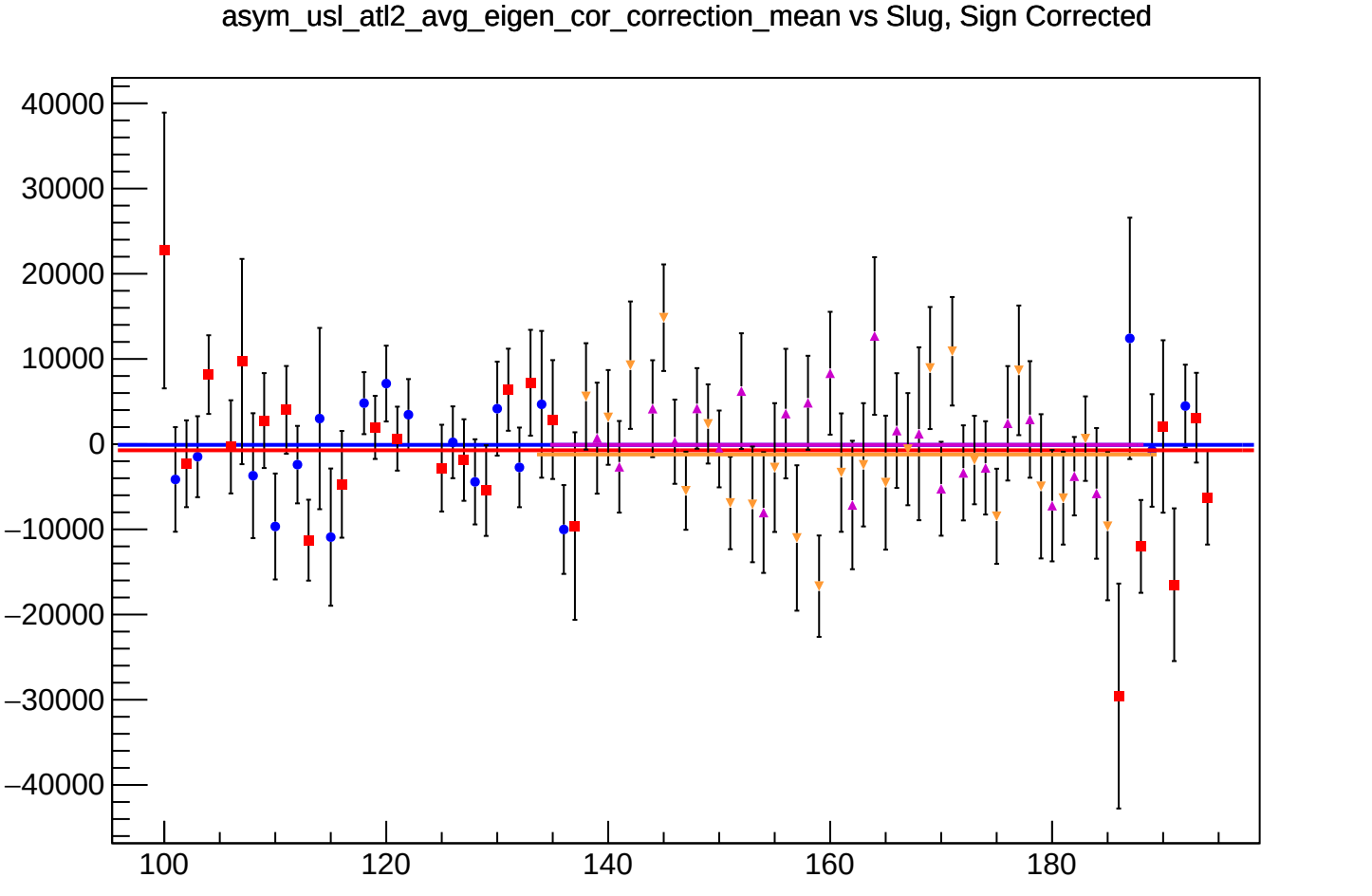
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1411.083+/-0.225 χ^2/NDF: 255281.8/42

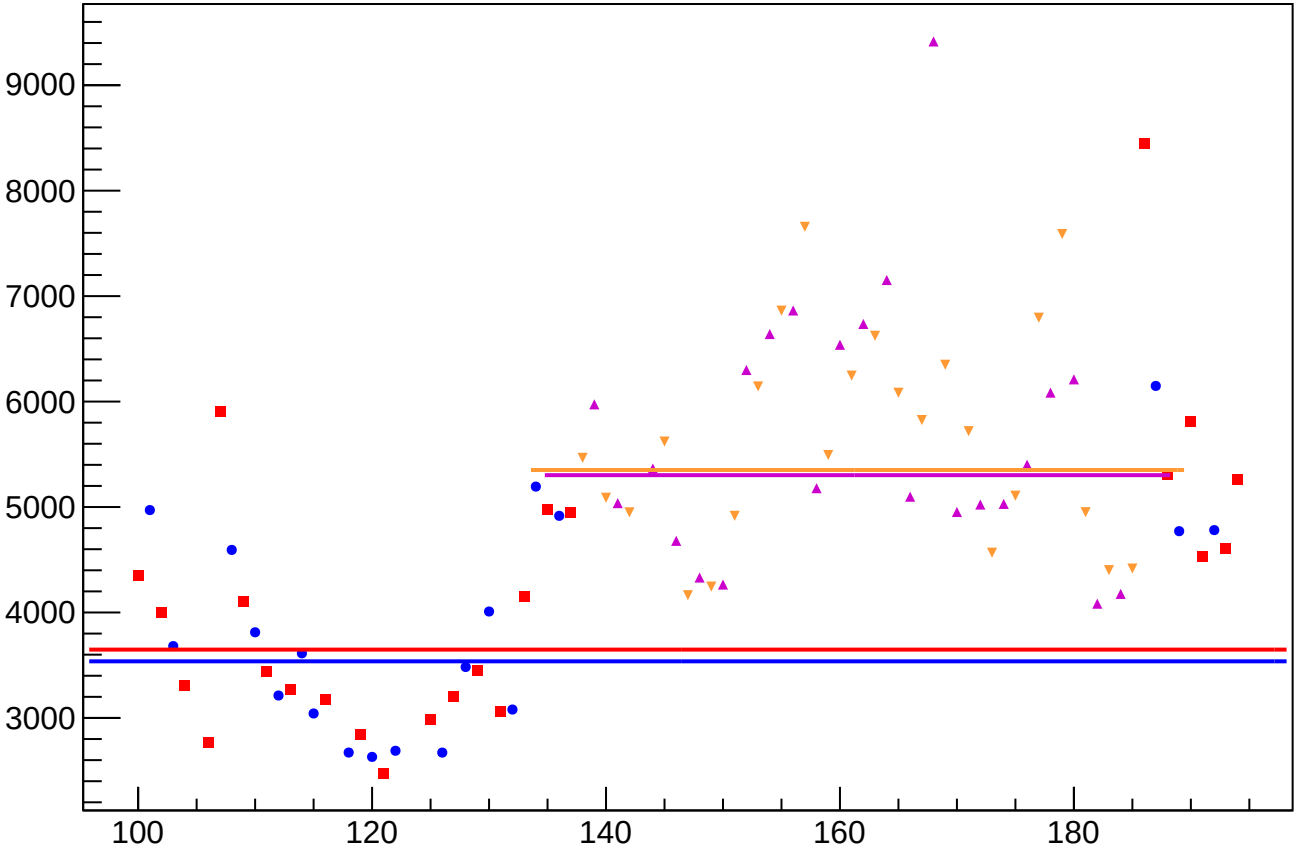
In: 1482.869+/-0.202 χ^2/NDF:398985.1/41

Out: 1475.046+/-0.193 χ^2/NDF:461348.8/47

All: 1478.784+/-0.139 χ^2/NDF: 861119.7/89


asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: -83.560+/-1224.742 χ²/NDF: 17.7/18
Left Out: -1211.889+/-1268.316 χ²/NDF:33.2/23
Right Out: -721.367+/-1147.615 χ²/NDF: 33.4/23
Left In: -80.689+/-1264.325 χ²/NDF:13.2/22
Left: -644.506+/-895.421 χ²/NDF: 46.8/46
Right: -423.177+/-837.426 χ²/NDF: 51.3/42
In: -82.170+/-879.684 χ²/NDF:30.9/41
Out: -942.182+/-850.967 χ²/NDF:66.8/47
All: -526.442+/-611.625 χ²/NDF: 98.2/89

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3536.856+/-0.866 χ^2/NDF: 1054155.2/18

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3647.969+/-0.811 χ^2/NDF: 1473366.7/23

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

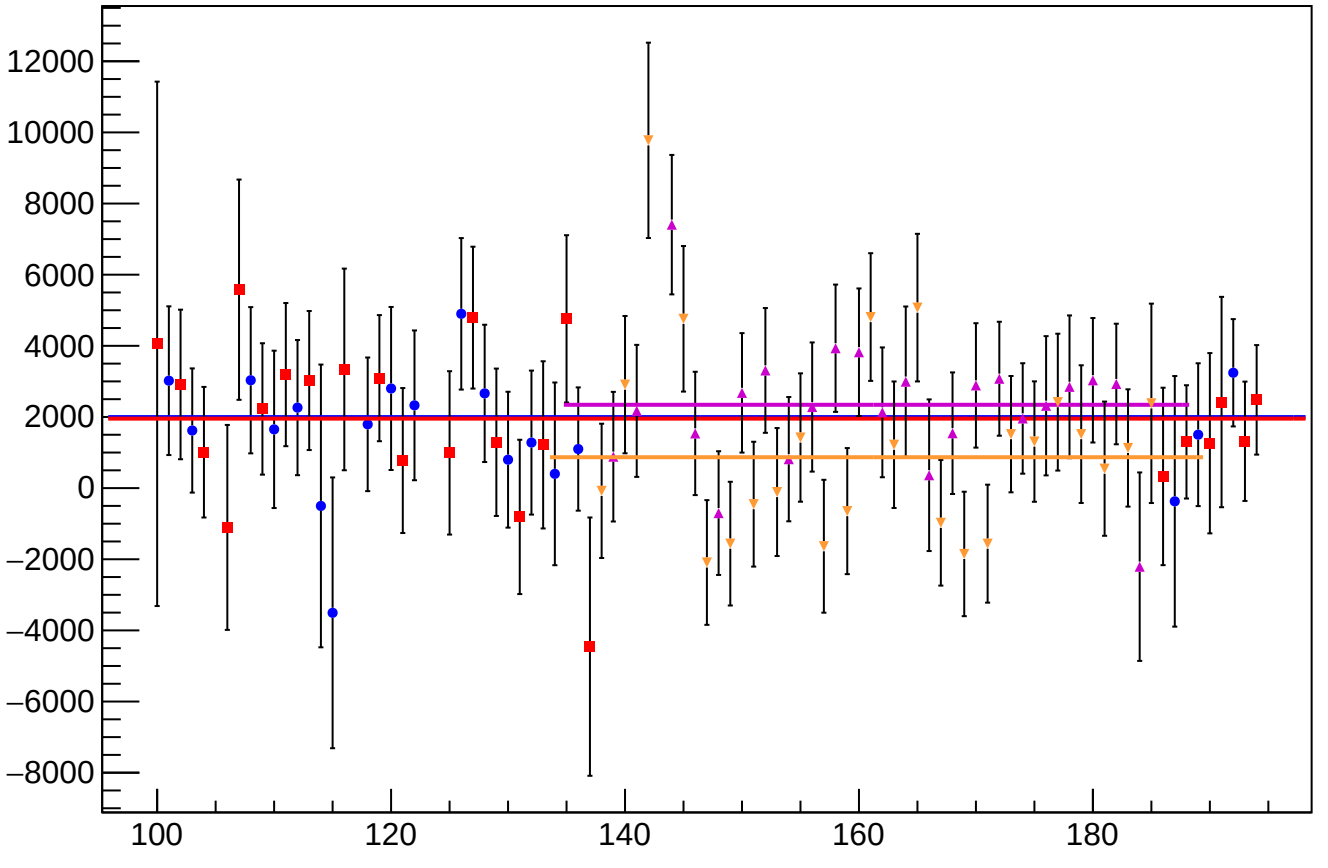
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3596.021+/-0.592 χ^2/NDF: 2536287.3/42

In: 4391.450+/-0.622 χ^2/NDF:4322000.1/41

Out: 4414.671+/-0.602 χ^2/NDF:4522394.8/47

All: 4403.446+/-0.432 χ^2/NDF: 8845114.8/89



Right In: 1996.586+/-478.525 χ^2/NDF: 7.6/18

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: 1953.704+/-439.439 χ^2/NDF: 14.3/23

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

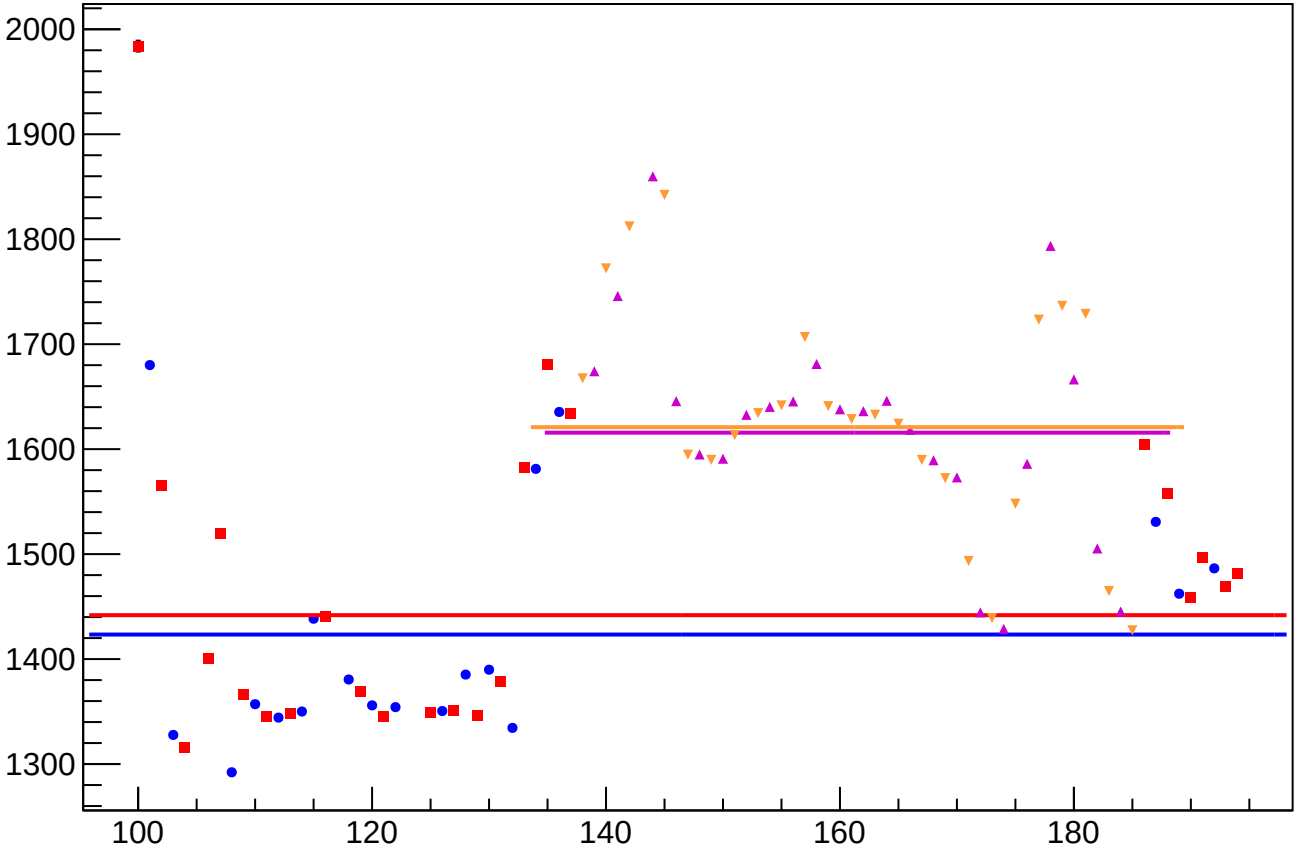
Right: 1973.322+/-323.668 χ^2/NDF: 21.8/42

In: 2209.419+/-296.675 χ^2/NDF:25.9/41

Out: 1328.794+/-286.209 χ^2/NDF:57.5/47

All: 1753.300+/-205.981 χ^2/NDF: 88.0/89

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1423.381+/-0.338 χ^2/NDF: 106428.8/18

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1441.835+/-0.310 χ^2/NDF: 117808.6/23

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

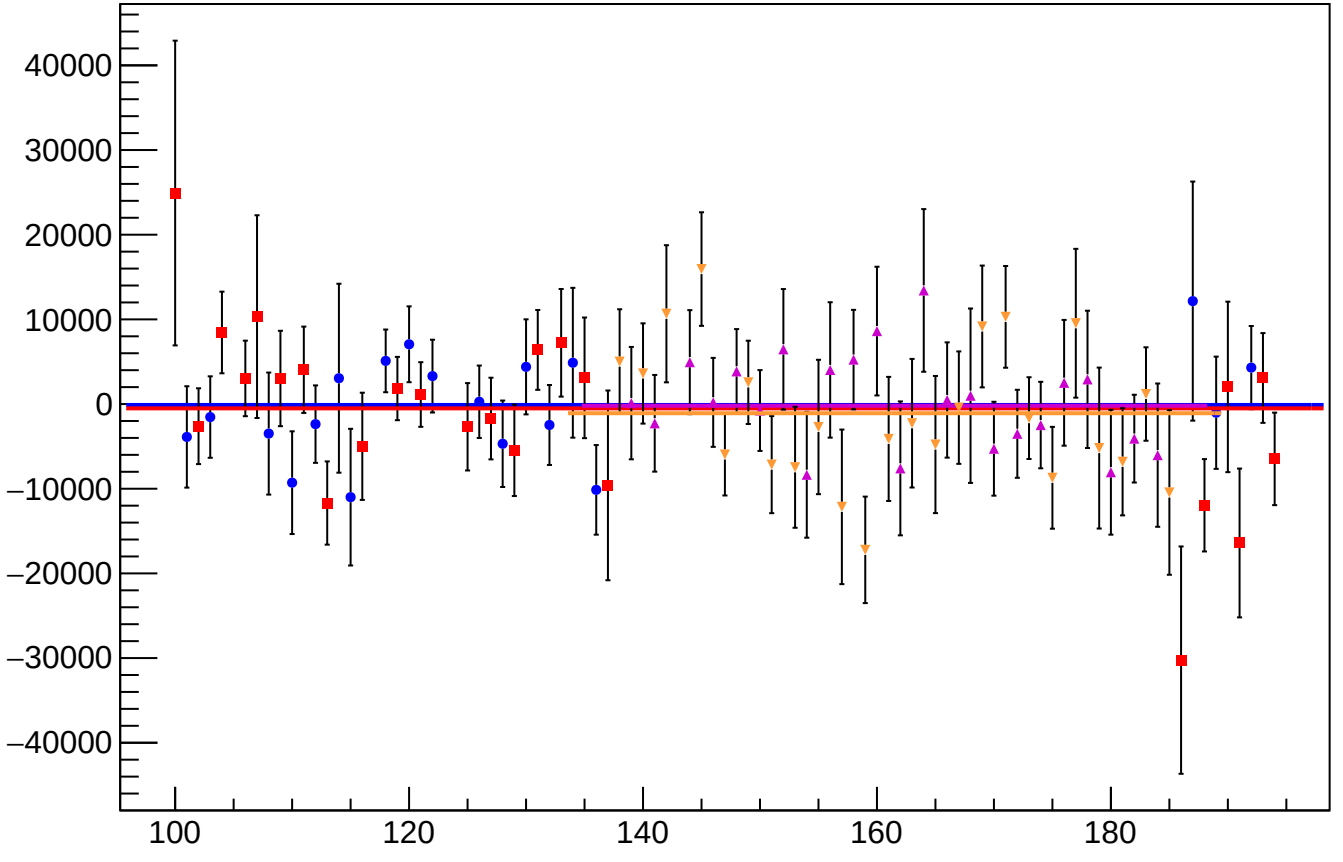
Right: 1433.409+/-0.229 χ^2/NDF: 225853.9/42

In: 1541.781+/-0.210 χ^2/NDF:442454.1/41

Out: 1544.805+/-0.202 χ^2/NDF:451513.3/47

All: 1543.348+/-0.146 χ^2/NDF: 894075.1/89

asym_usl_atl2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -106.891+/-1237.403 χ^2/NDF: 17.5/18

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: -509.630+/-1137.261 χ^2/NDF: 34.5/23

Left In: -201.662+/-1326.173 χ^2/NDF:12.9/22

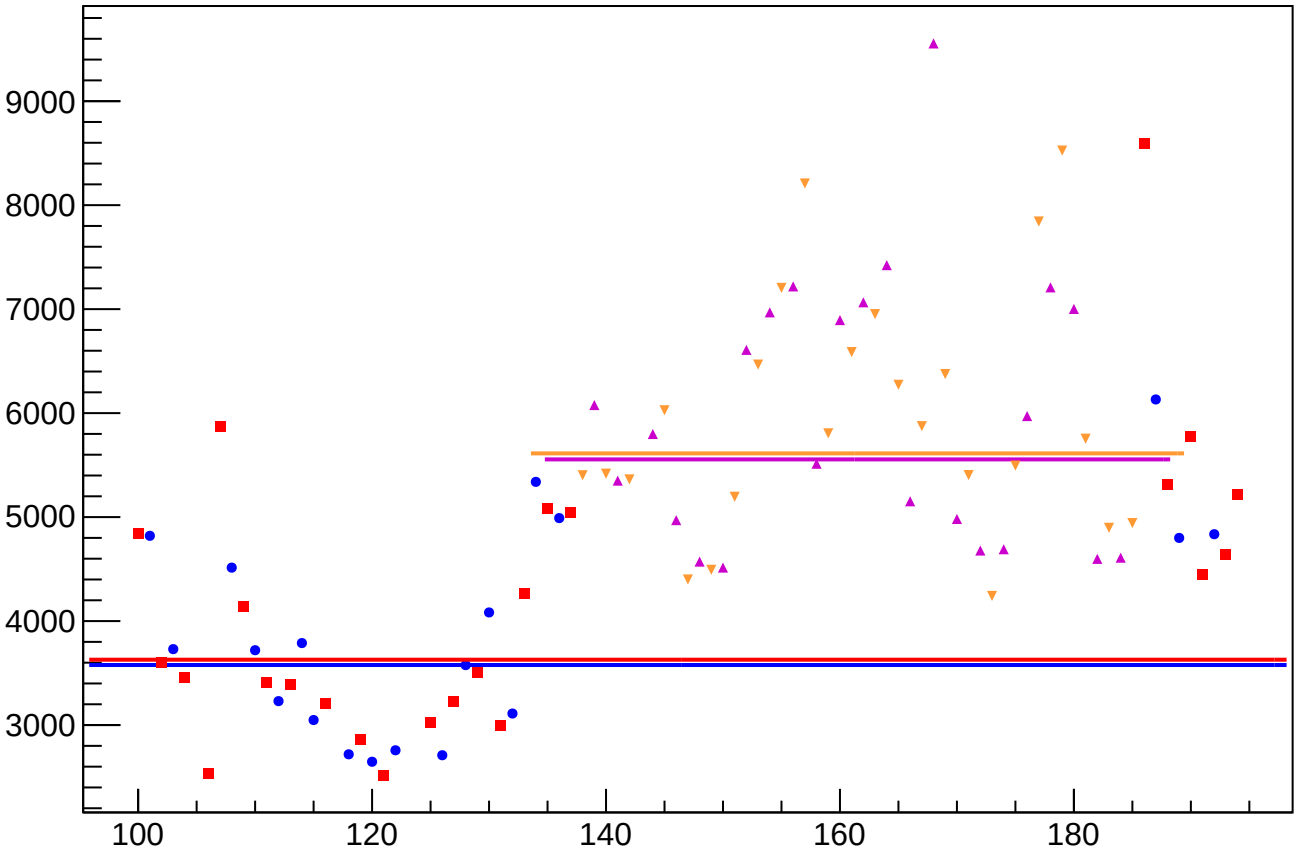
Left: -639.884+/-939.941 χ^2/NDF: 46.1/46

Right: -325.214+/-837.333 χ^2/NDF: 52.1/42

In: -150.999+/-904.732 χ^2/NDF:30.4/41

Out: -750.968+/-865.011 χ^2/NDF:67.5/47

All: -464.443+/-625.226 χ^2/NDF: 98.2/89



Right In: 3577.557+/-0.875 χ^2/NDF: 1015255.3/18

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3628.574+/-0.804 χ^2/NDF: 1517110.9/23

Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

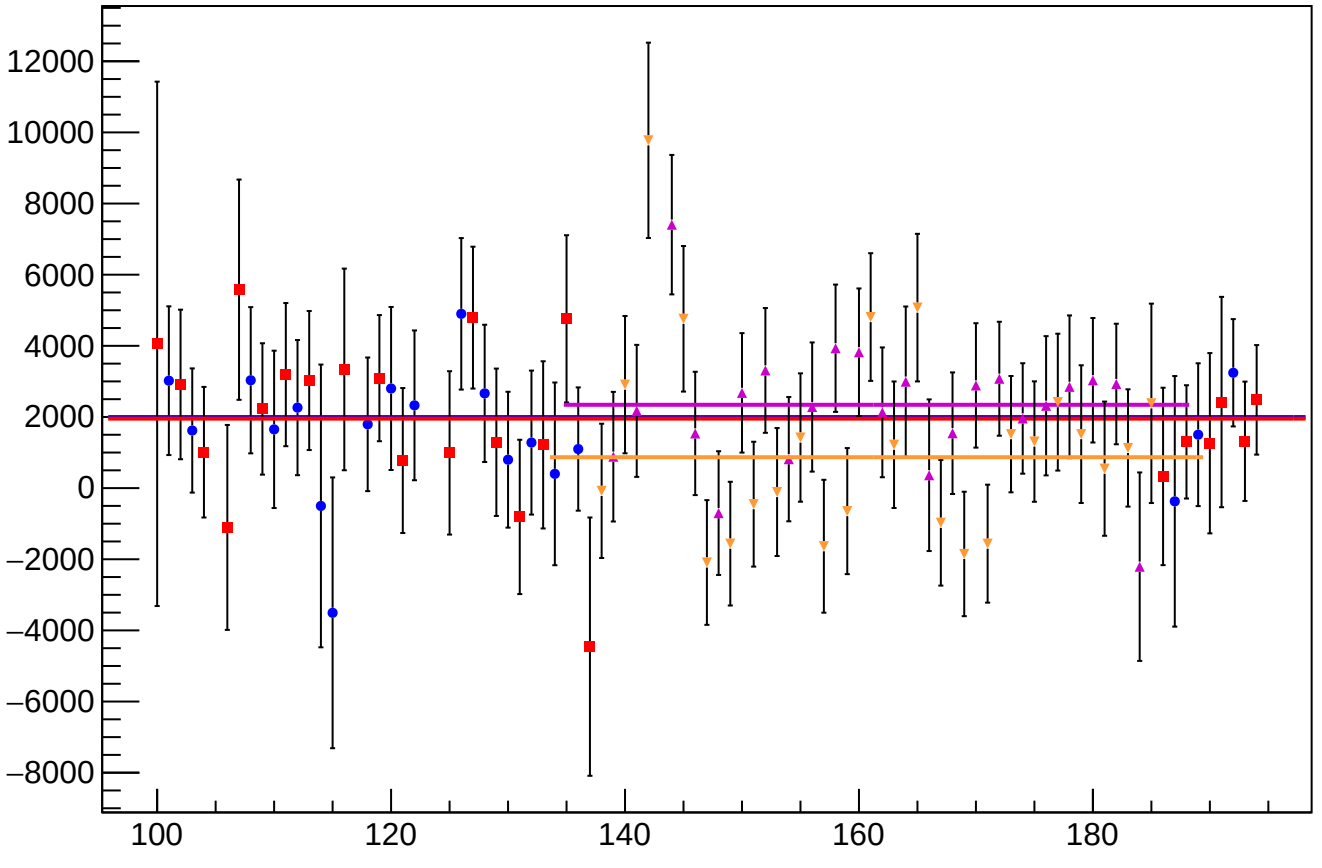
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 3605.213+/-0.592 χ^2/NDF: 2534209.2/42

In: 4497.852+/-0.640 χ^2/NDF:4725190.9/41

Out: 4464.846+/-0.612 χ^2/NDF:5271088.0/47

All: 4480.609+/-0.442 χ^2/NDF: 9997669.5/89



Right In: 1996.587+/-478.525 χ^2/NDF: 7.6/18

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: 1953.703+/-439.439 χ^2/NDF: 14.3/23

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

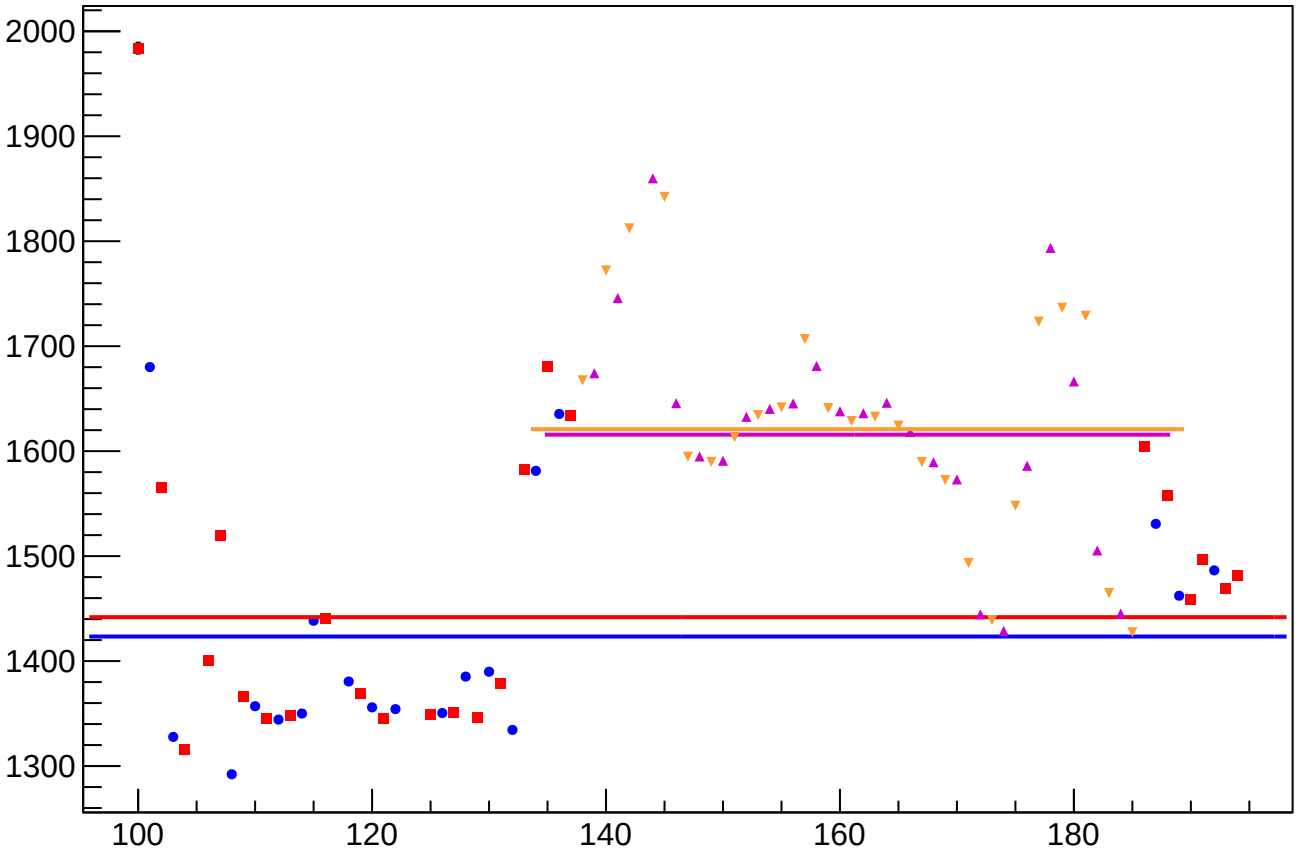
Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

Right: 1973.323+/-323.668 χ^2/NDF: 21.8/42

In: 2209.419+/-296.675 χ^2/NDF:25.9/41

Out: 1328.791+/-286.209 χ^2/NDF:57.5/47

All: 1753.298+/-205.981 χ^2/NDF: 88.0/89



Right In: 1423.381+/-0.338 χ^2/NDF: 106428.8/18

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

Right Out: 1441.835+/-0.310 χ^2/NDF: 117808.7/23

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

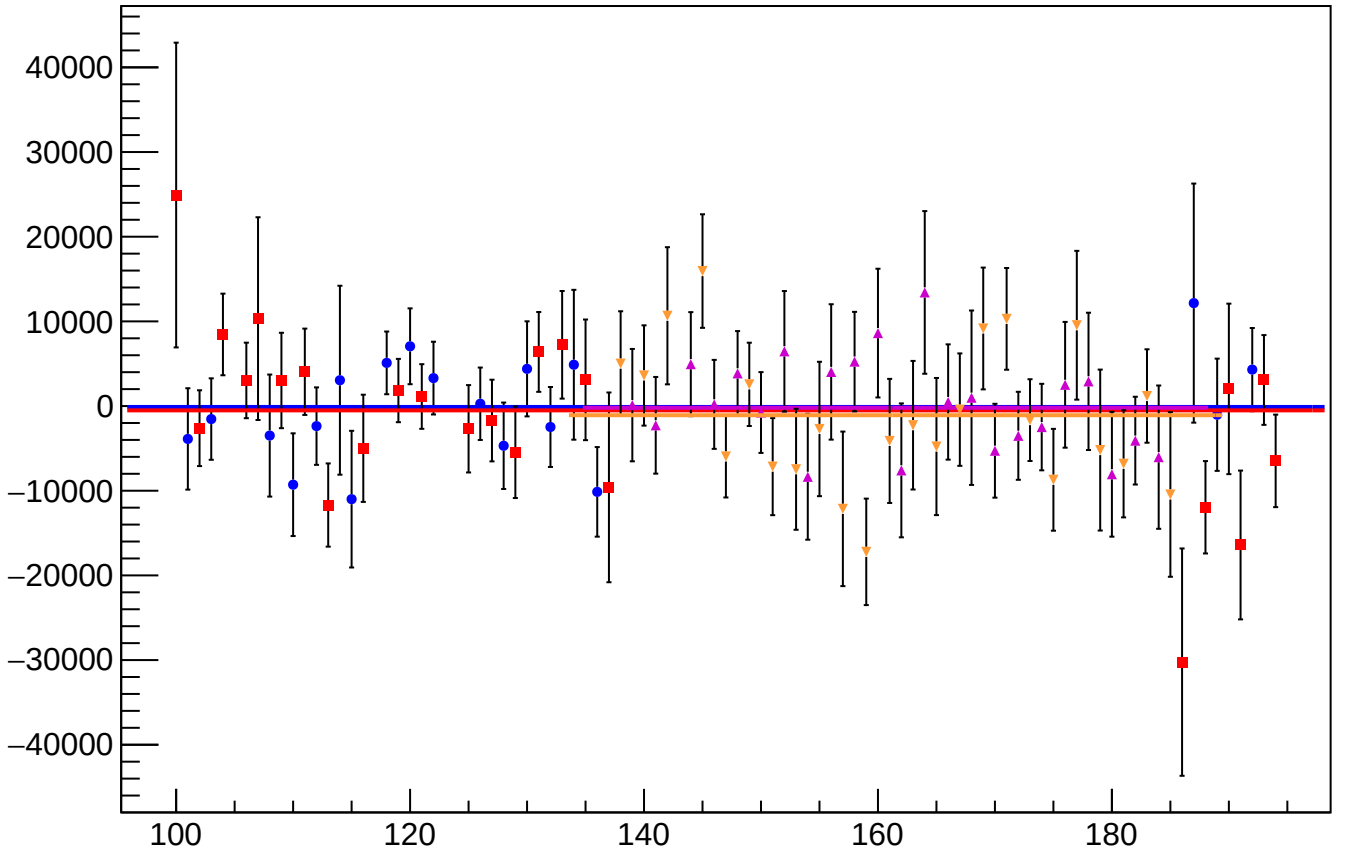
Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

Right: 1433.409+/-0.229 χ^2/NDF: 225853.8/42

In: 1541.781+/-0.210 χ^2/NDF:442461.3/41

Out: 1544.806+/-0.202 χ^2/NDF:451521.1/47

All: 1543.349+/-0.146 χ^2/NDF: 894090.1/89



Right In: -106.887+/-1237.400 χ^2/NDF: 17.5/18

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

Right Out: -509.623+/-1137.259 χ^2/NDF: 34.5/23

Left In: -201.663+/-1326.175 χ^2/NDF:12.9/22

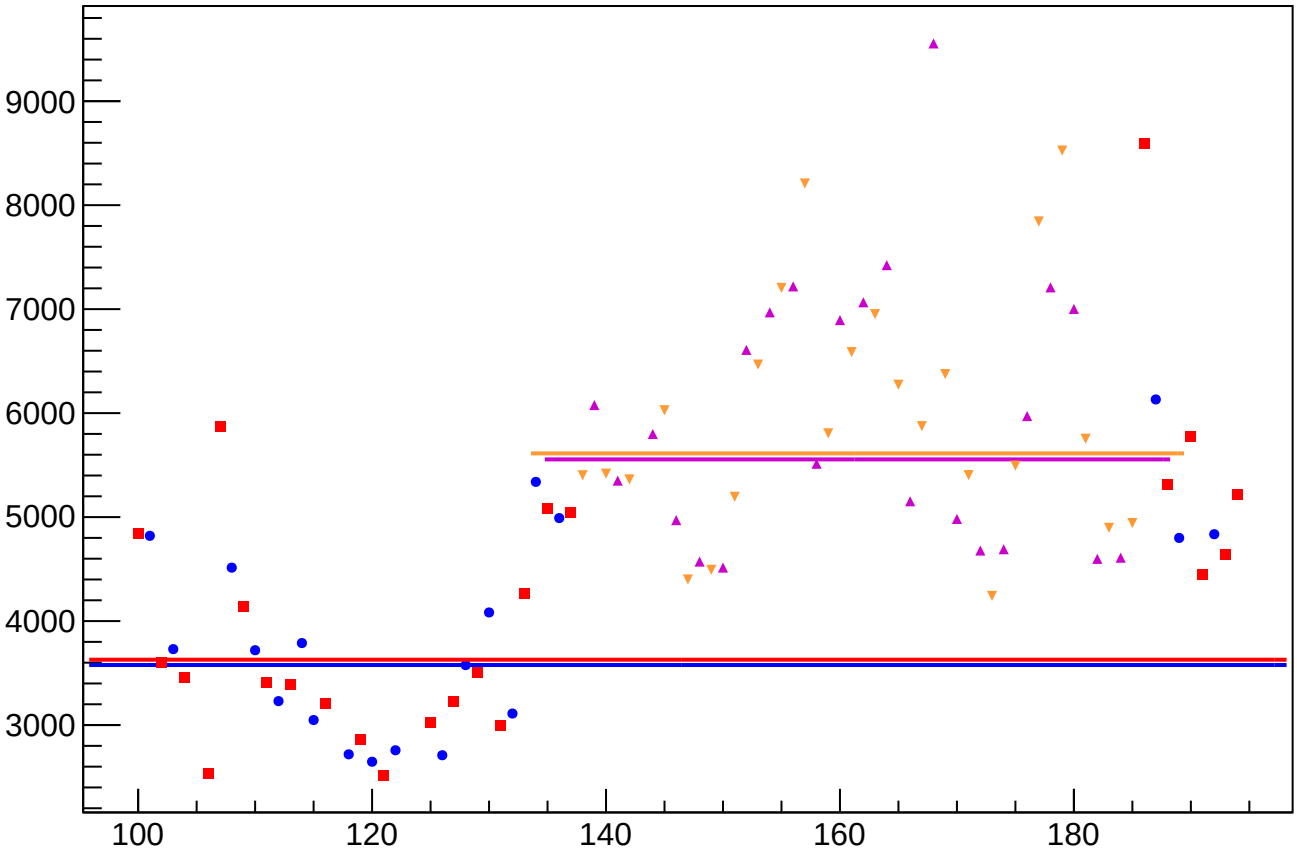
Left: -639.888+/-939.942 χ^2/NDF: 46.1/46

Right: -325.208+/-837.331 χ^2/NDF: 52.1/42

In: -150.997+/-904.732 χ^2/NDF:30.4/41

Out: -750.965+/-865.010 χ^2/NDF:67.5/47

All: -464.440+/-625.226 χ^2/NDF: 98.2/89



Right In: 3577.546+/-0.875 χ^2/NDF: 1015270.4/18

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3628.565+/-0.804 χ^2/NDF: 1517127.0/23

Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

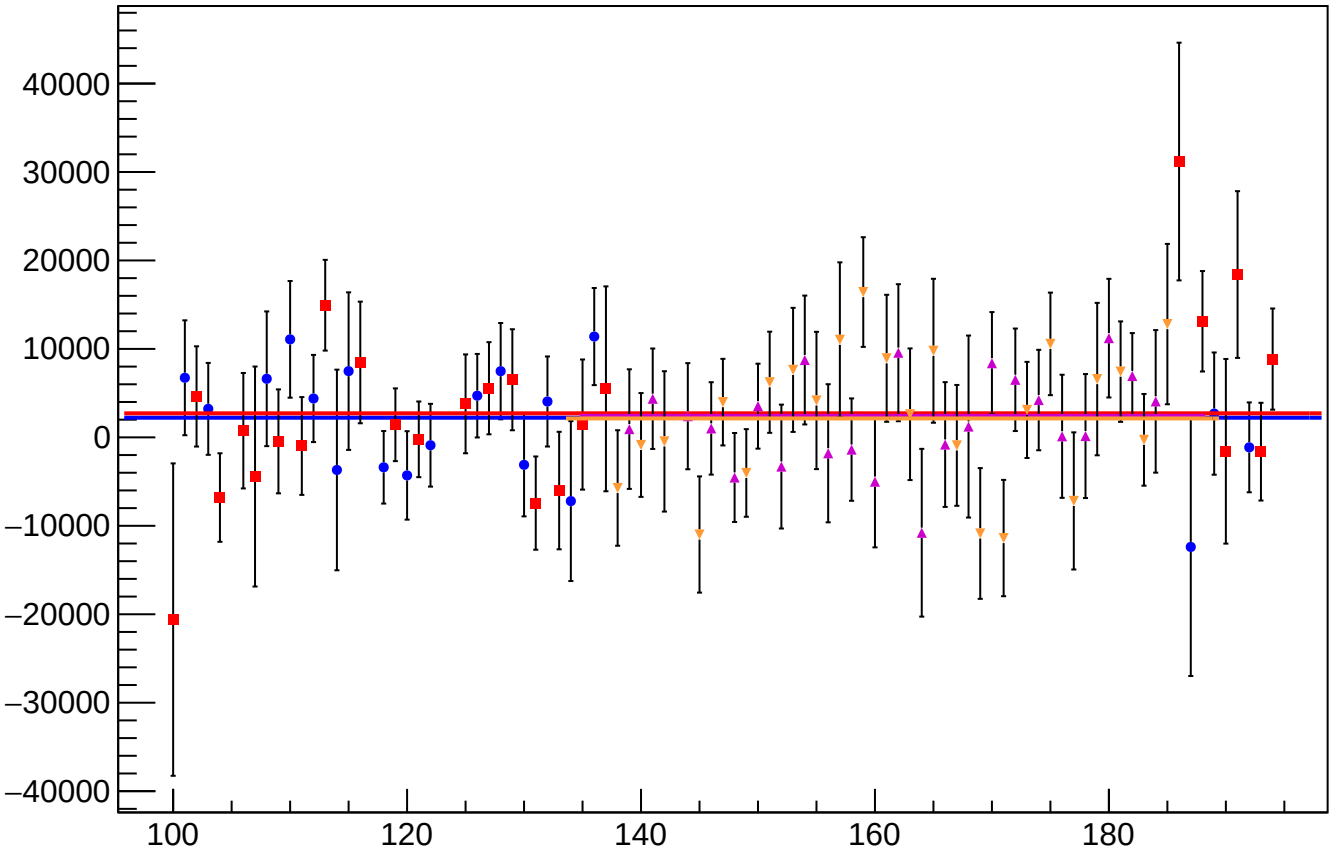
Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

Right: 3605.203+/-0.592 χ^2/NDF: 2534240.5/42

In: 4497.847+/-0.640 χ^2/NDF:4725254.5/41

Out: 4464.841+/-0.612 χ^2/NDF:5271151.1/47

All: 4480.603+/-0.442 χ^2/NDF: 9997796.1/89



Right In: 2221.958+/-1331.349 χ^2/NDF: 15.0/18

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: 2718.206+/-1246.803 χ^2/NDF: 32.4/23

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

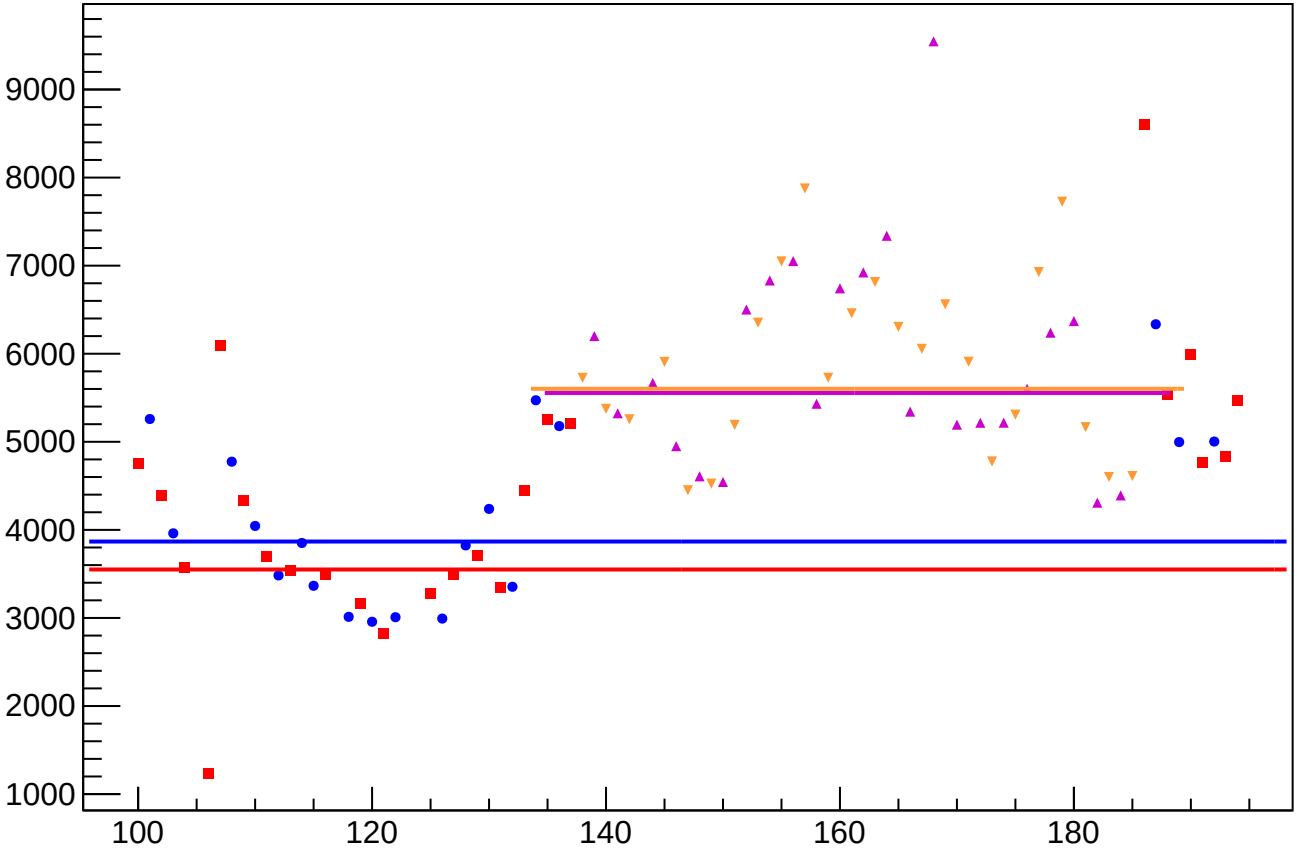
Right: 2486.338+/-910.045 χ^2/NDF: 47.5/42

In: 2325.806+/-937.754 χ^2/NDF:27.9/41

Out: 2445.660+/-907.812 χ^2/NDF:63.2/47

All: 2387.677+/-652.249 χ^2/NDF: 91.1/89

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3867.662+/-0.941 χ^2/NDF: 846219.1/18

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

Right Out: 3550.332+/-0.820 χ^2/NDF: 2778135.2/23

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

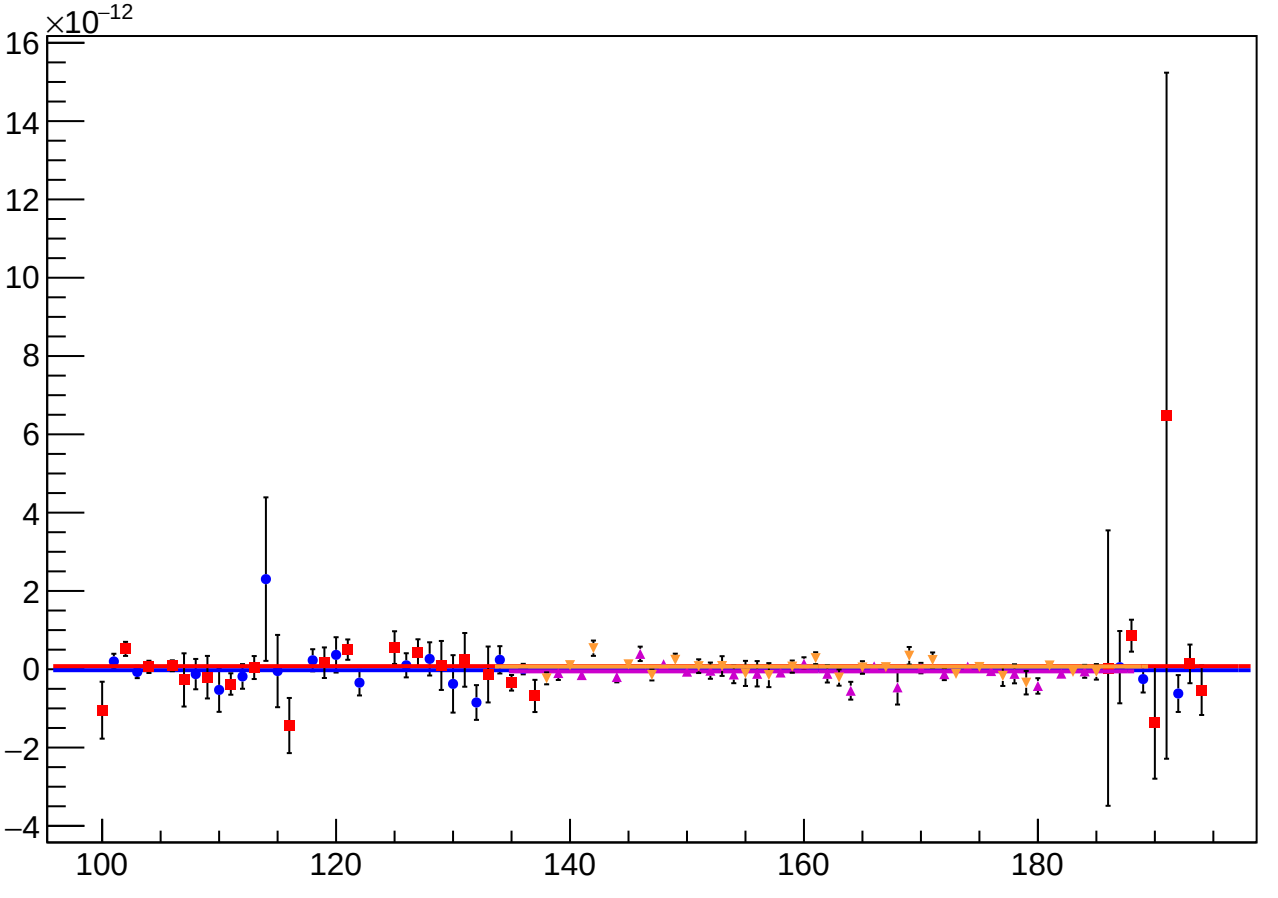
Right: 3687.215+/-0.618 χ^2/NDF: 3688965.9/42

In: 4717.386+/-0.663 χ^2/NDF:3575298.9/41

Out: 4440.730+/-0.617 χ^2/NDF:6436253.0/47

All: 4569.085+/-0.452 χ^2/NDF: 10104863.5/8

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 35.7/23

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

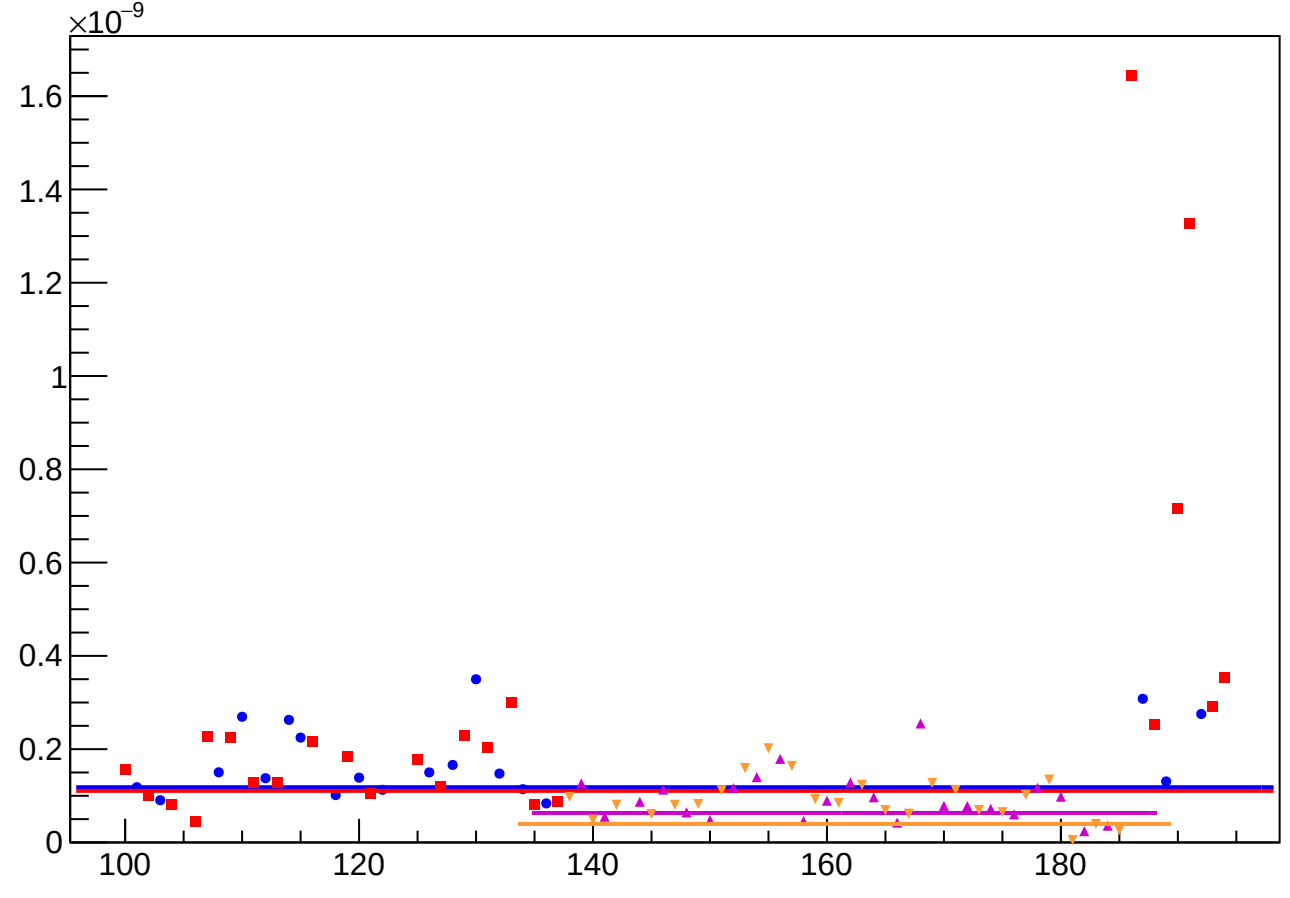
Left: 0.000+/-0.000 χ^2/NDF: 65.8/46

Right: 0.000+/-0.000 χ^2/NDF: 50.2/42

In: -0.000+/-0.000 χ^2/NDF:38.8/41

Out: 0.000+/-0.000 χ^2/NDF:64.0/47

All: 0.000+/-0.000 χ^2/NDF: 116.0/89



Right In: 0.000+/-0.000 χ^2/NDF: 975596.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2746381.5/23

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

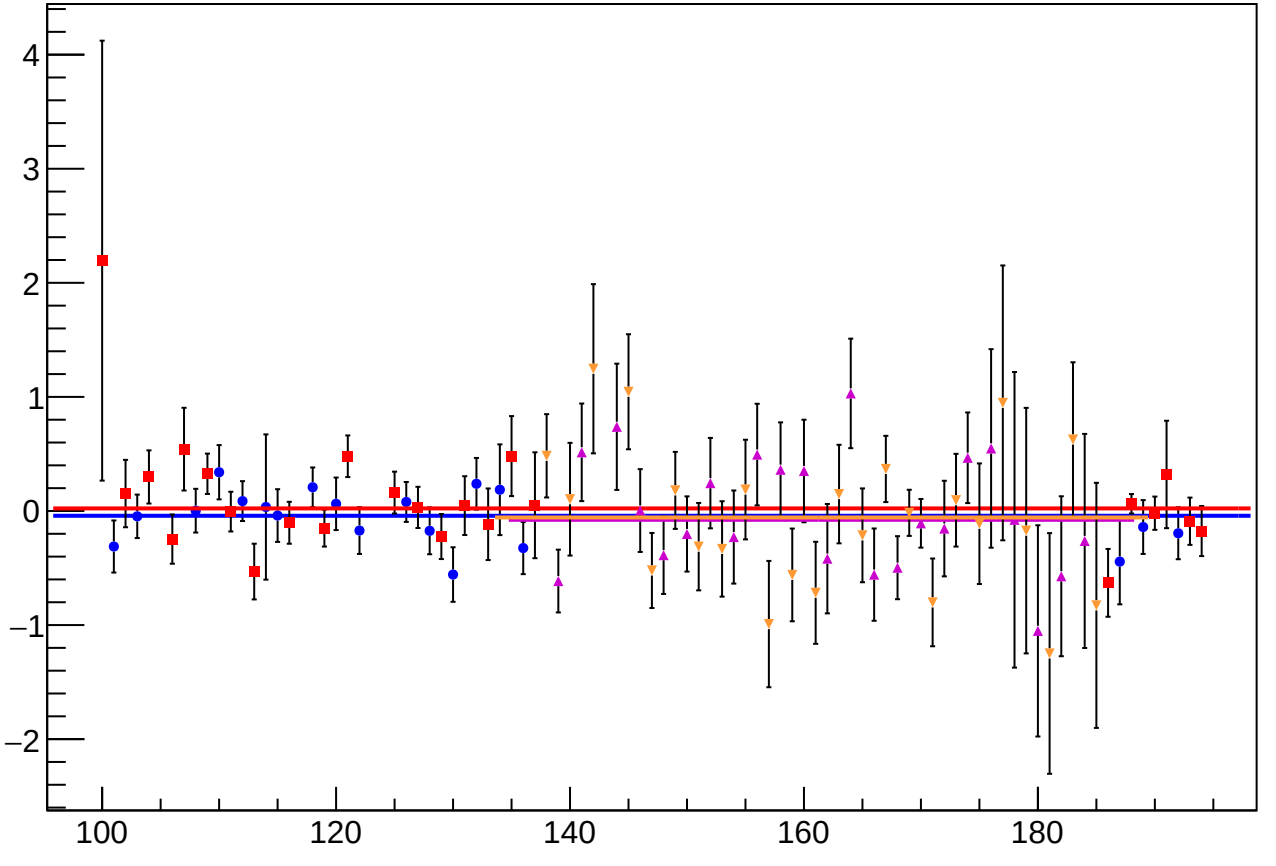
Right: 0.000+/-0.000 χ^2/NDF: 3736081.2/42

In: 0.000+/-0.000 χ^2/NDF:5023167.1/41

Out: 0.000+/-0.000 χ^2/NDF:11905545.0/47

All: 0.000+/-0.000 χ^2/NDF: 17972219.4/89

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.042+/-0.051 χ^2/NDF: 18.0/18

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.022+/-0.041 χ^2/NDF: 33.2/23

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

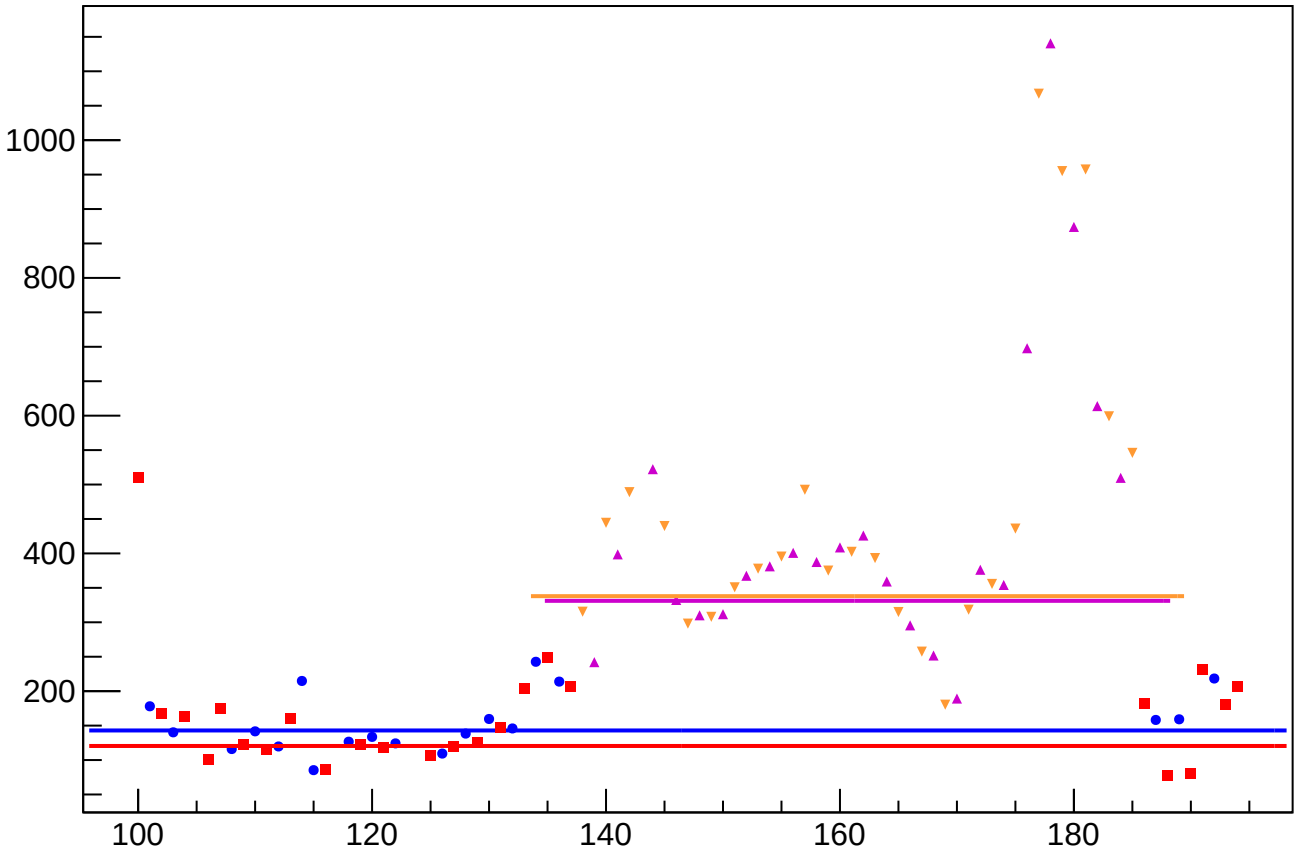
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: -0.003+/-0.032 χ^2/NDF: 52.1/42

In: -0.052+/-0.044 χ^2/NDF:45.1/41

Out: 0.008+/-0.037 χ^2/NDF:64.2/47

All: -0.017+/-0.028 χ^2/NDF: 110.5/89



Right In: 142.944+/-0.036 χ^2/NDF: 945481.0/18

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 120.425+/-0.029 χ^2/NDF: 2242007.4/23

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

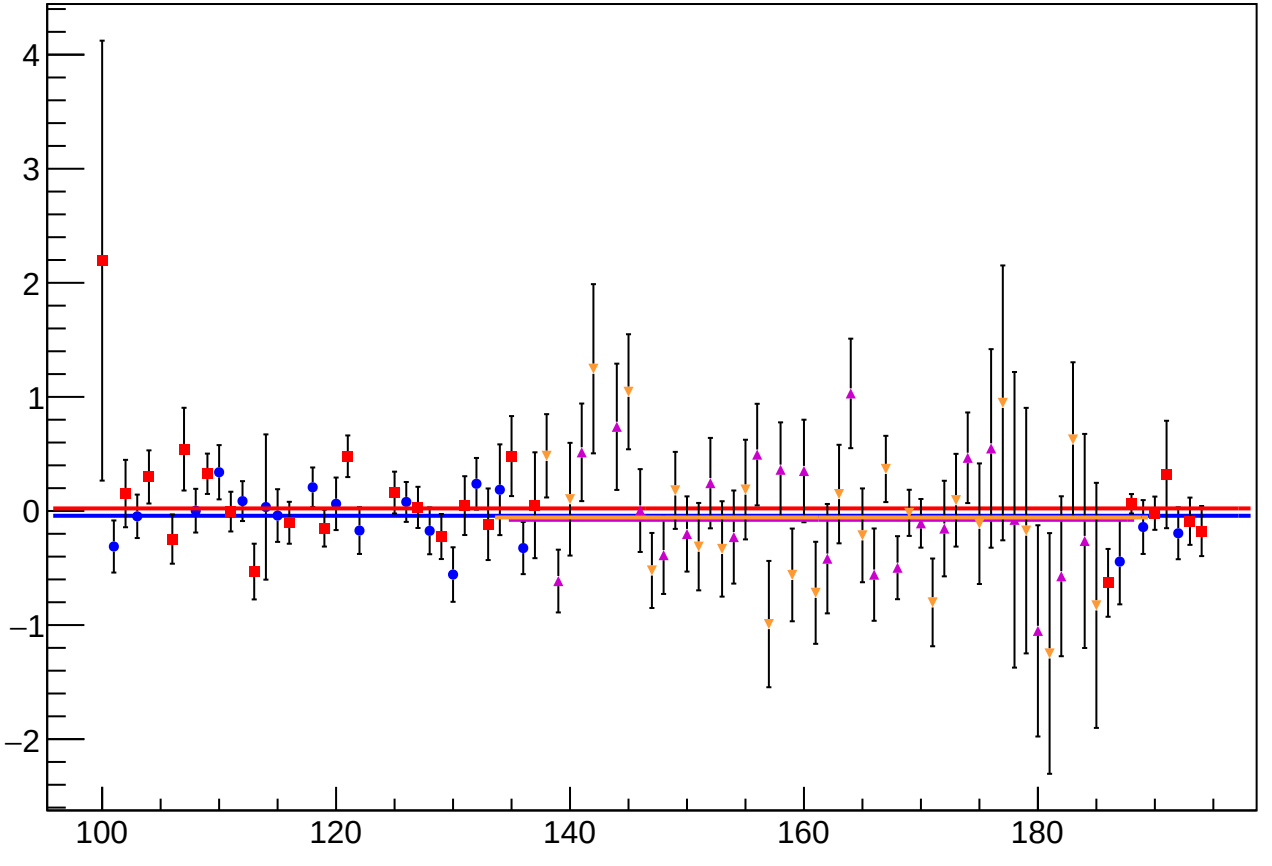
Right: 129.156+/-0.022 χ^2/NDF: 3426393.1/42

In: 194.134+/-0.031 χ^2/NDF:12465583.5/41

Out: 160.427+/-0.026 χ^2/NDF:17332414.4/47

All: 174.419+/-0.020 χ^2/NDF: 30500322.6/89

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.042+/-0.051 χ^2/NDF: 18.0/18

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.022+/-0.041 χ^2/NDF: 33.2/23

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

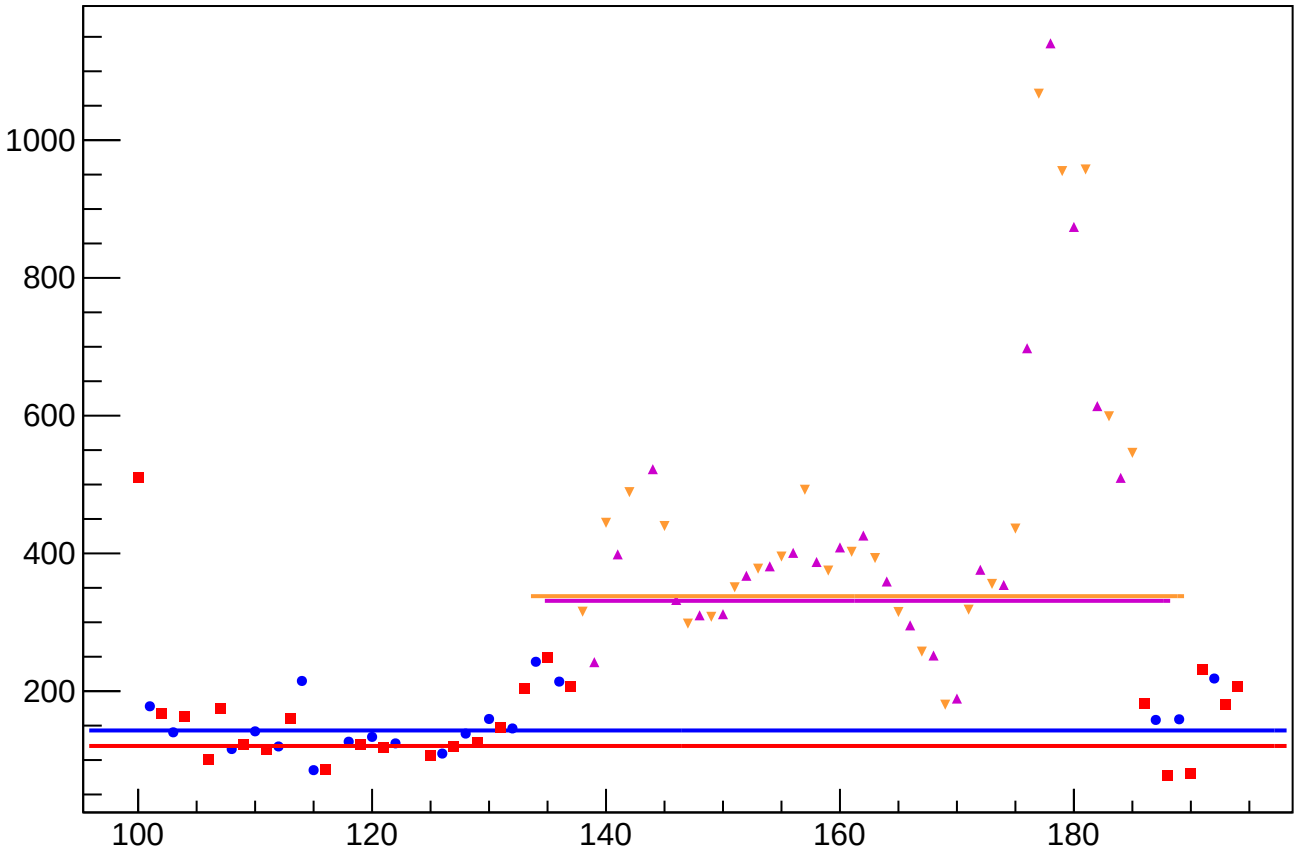
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: -0.003+/-0.032 χ^2/NDF: 52.1/42

In: -0.052+/-0.044 χ^2/NDF:45.1/41

Out: 0.008+/-0.037 χ^2/NDF:64.2/47

All: -0.017+/-0.028 χ^2/NDF: 110.5/89



Right In: 142.944+/-0.036 χ^2/NDF: 945481.0/18

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 120.425+/-0.029 χ^2/NDF: 2242007.4/23

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

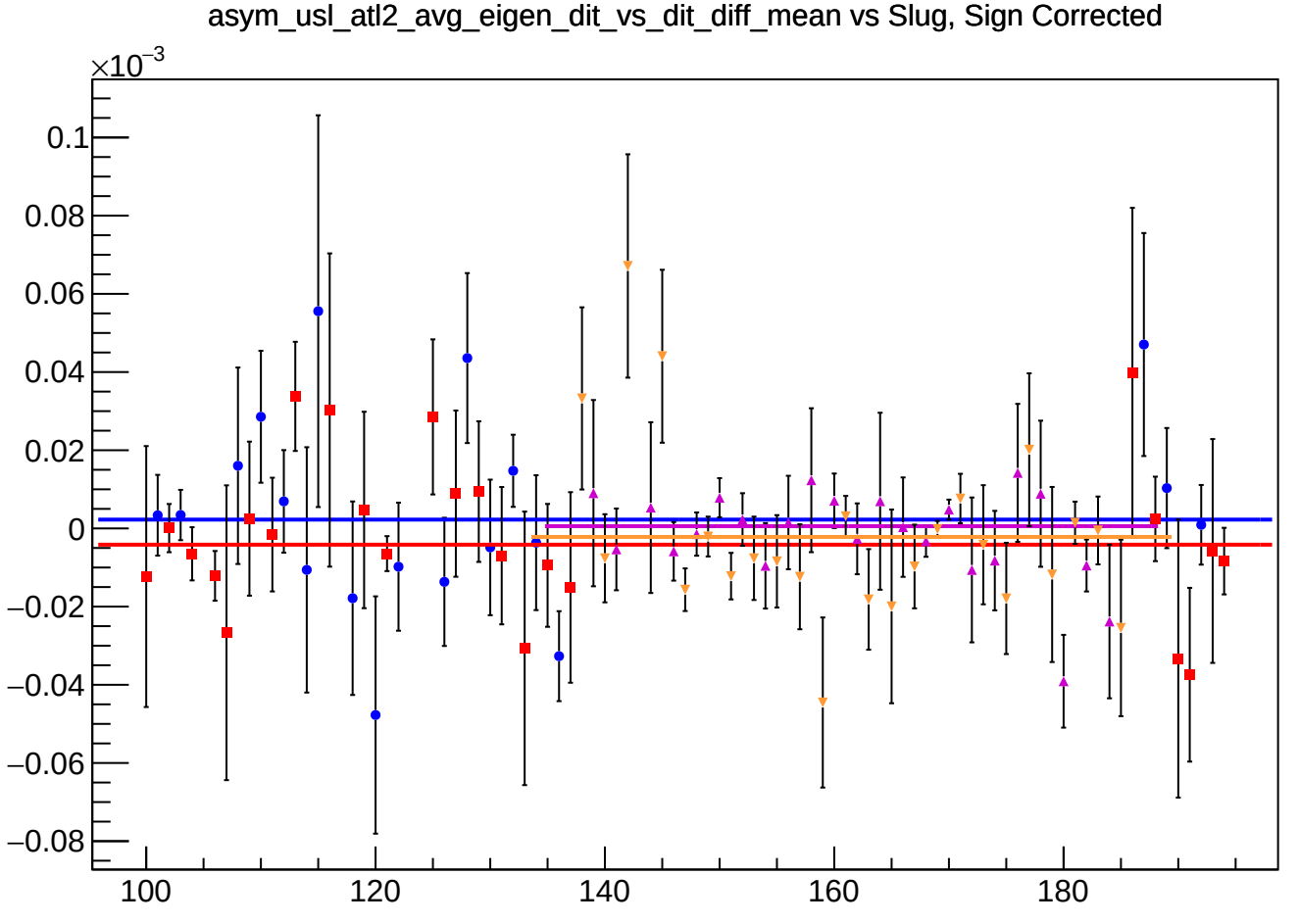
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

Right: 129.156+/-0.022 χ^2/NDF: 3426393.1/42

In: 194.134+/-0.031 χ^2/NDF:12465583.5/41

Out: 160.427+/-0.026 χ^2/NDF:17332414.4/47

All: 174.419+/-0.020 χ^2/NDF: 30500322.6/89



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/23

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

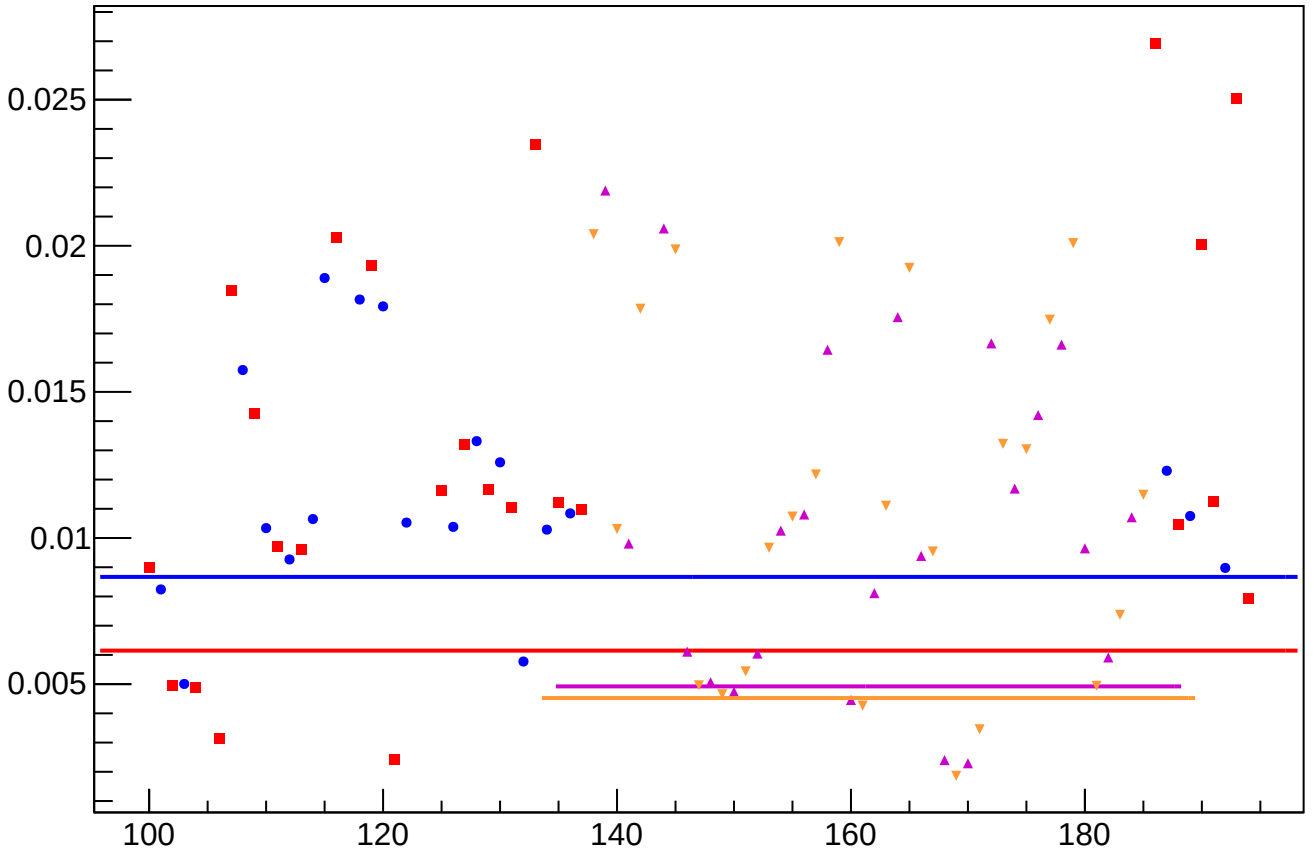
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: -0.000+/-0.000 χ^2/NDF: 49.8/42

In: 0.000+/-0.000 χ^2/NDF:53.2/41

Out: -0.000+/-0.000 χ^2/NDF:58.9/47

All: -0.000+/-0.000 χ^2/NDF: 116.0/89



Right In: 0.009+/-0.000 χ^2/NDF: 2003323.0/18

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

Right Out: 0.006+/-0.000 χ^2/NDF: 7259415.8/23

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

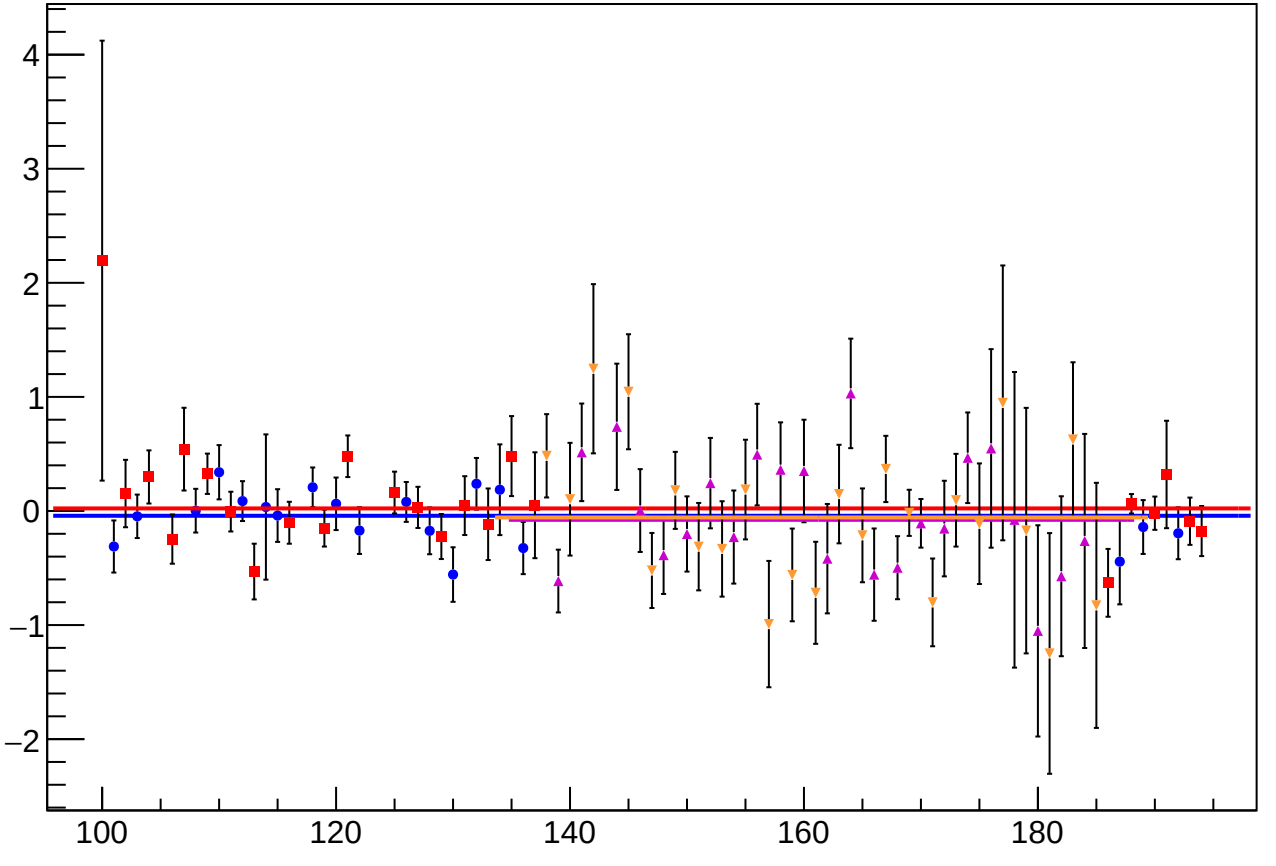
Right: 0.007+/-0.000 χ^2/NDF: 10082144.2/42

In: 0.006+/-0.000 χ^2/NDF:15910735.0/41

Out: 0.005+/-0.000 χ^2/NDF:22210104.8/47

All: 0.005+/-0.000 χ^2/NDF: 38377510.6/89

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.042+/-0.051 χ^2/NDF: 18.0/18

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.022+/-0.041 χ^2/NDF: 33.2/23

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

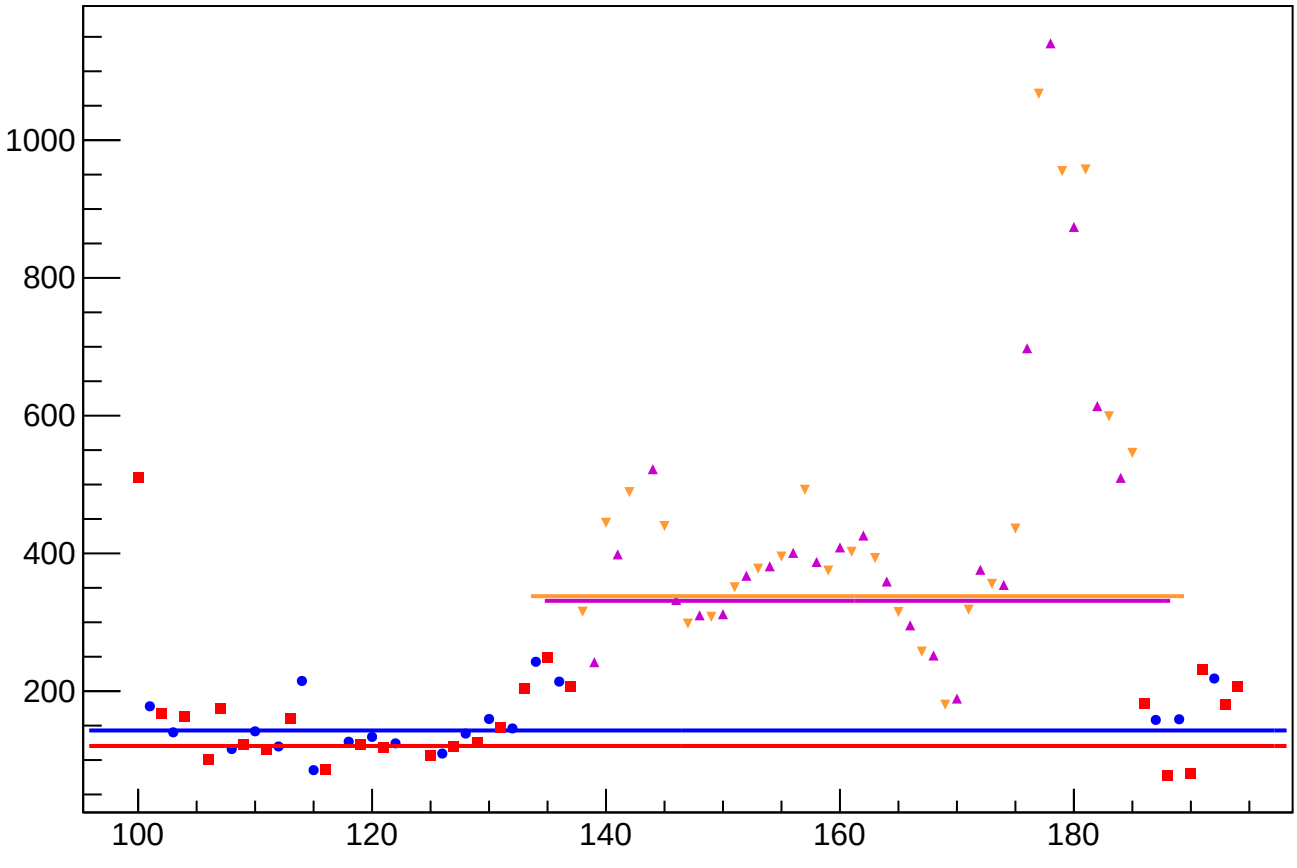
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: -0.003+/-0.032 χ^2/NDF: 52.1/42

In: -0.052+/-0.044 χ^2/NDF:45.1/41

Out: 0.008+/-0.037 χ^2/NDF:64.2/47

All: -0.017+/-0.028 χ^2/NDF: 110.5/89



Right In: 142.944+/-0.036 χ^2/NDF: 945451.5/18

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 120.423+/-0.029 χ^2/NDF: 2242087.1/23

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

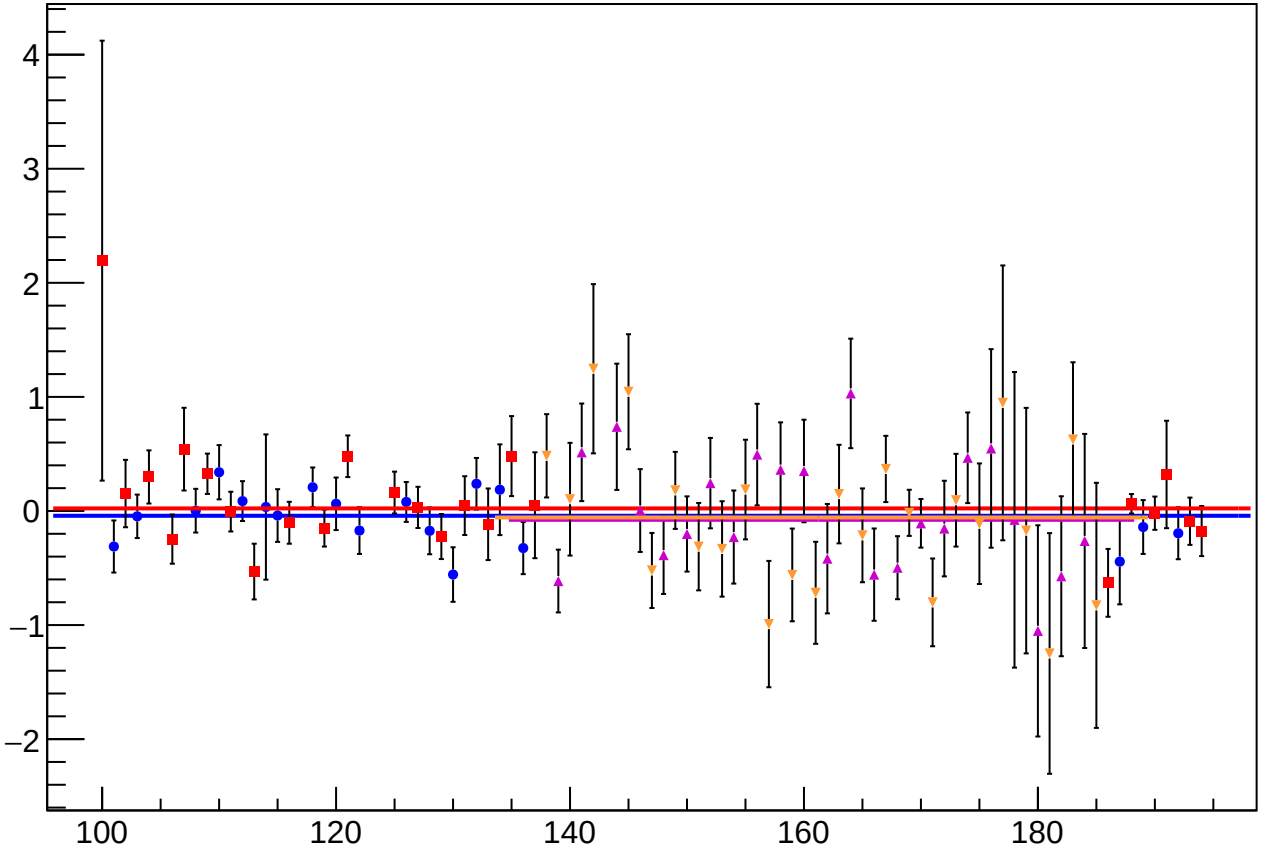
Right: 129.154+/-0.022 χ^2/NDF: 3426488.8/42

In: 194.134+/-0.031 χ^2/NDF:12465671.5/41

Out: 160.424+/-0.026 χ^2/NDF:17332864.1/47

All: 174.418+/-0.020 χ^2/NDF: 30500972.3/89

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.042+/-0.051 χ^2/NDF: 18.0/18

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.022+/-0.041 χ^2/NDF: 33.2/23

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

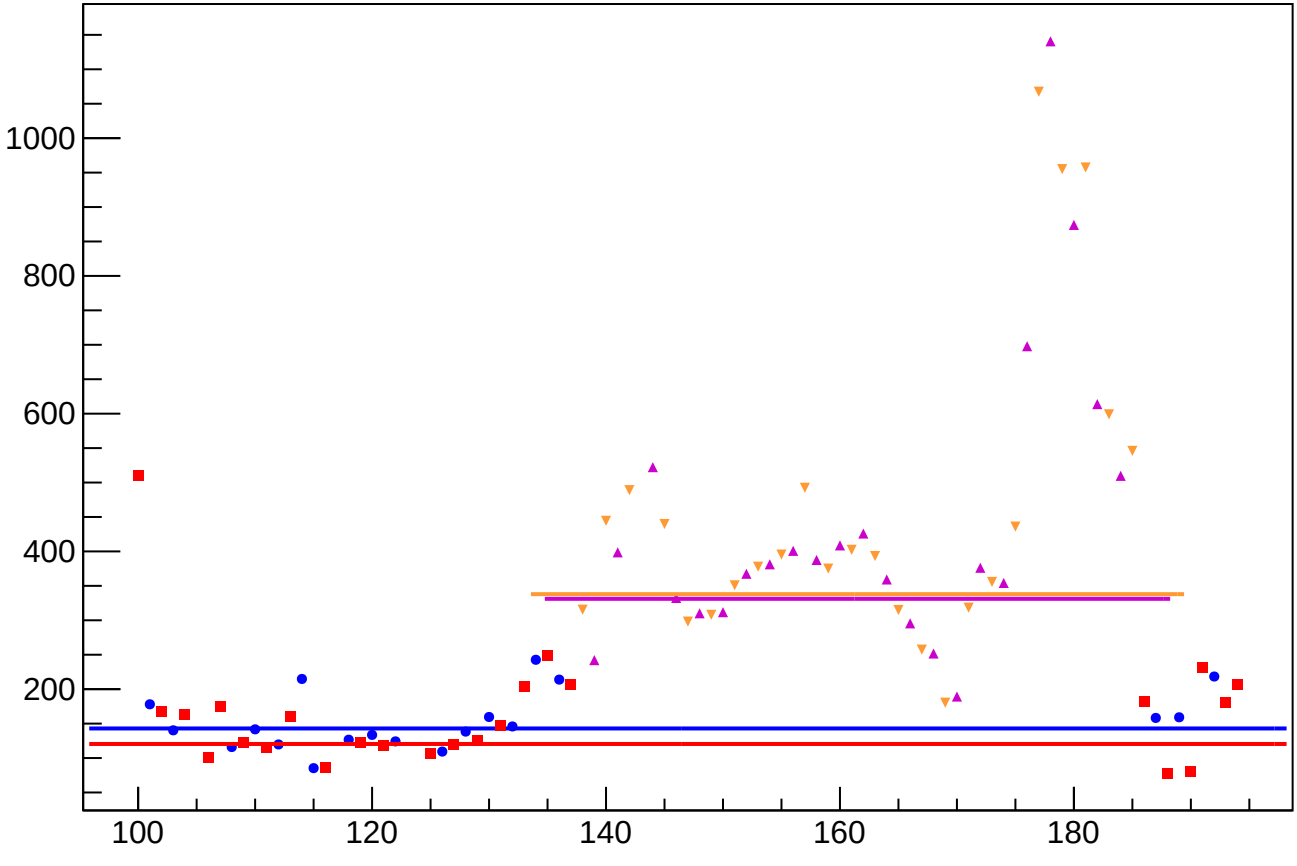
Right: -0.003+/-0.032 χ^2/NDF: 52.1/42

In: -0.052+/-0.044 χ^2/NDF:45.1/41

Out: 0.008+/-0.037 χ^2/NDF:64.2/47

All: -0.017+/-0.028 χ^2/NDF: 110.5/89

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 142.944+/-0.036 χ^2/NDF: 945451.5/18

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 120.423+/-0.029 χ^2/NDF: 2242087.1/23

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

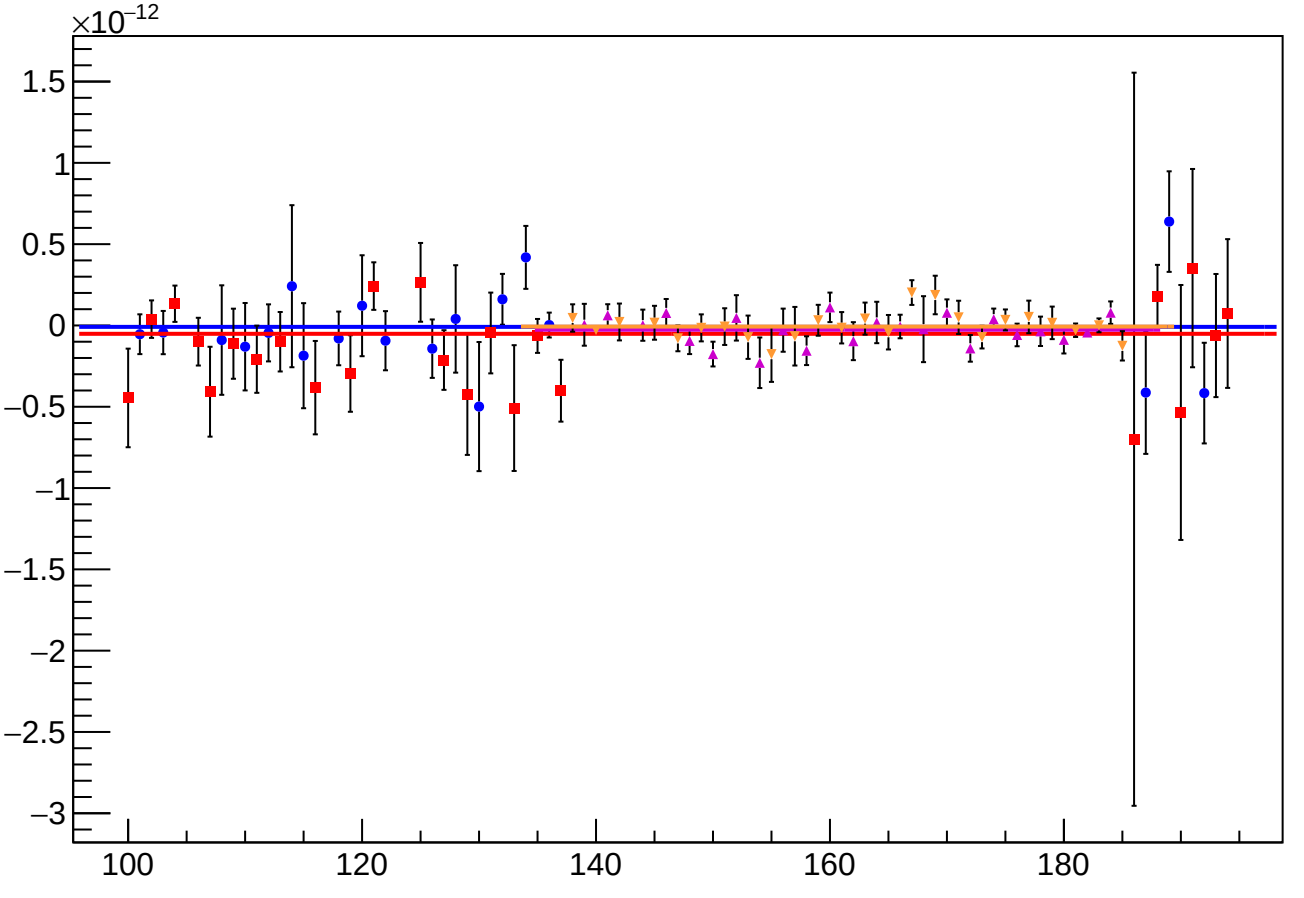
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

Right: 129.154+/-0.022 χ^2/NDF: 3426488.8/42

In: 194.134+/-0.031 χ^2/NDF:12465671.5/41

Out: 160.424+/-0.026 χ^2/NDF:17332864.1/47

All: 174.418+/-0.020 χ^2/NDF: 30500972.3/89



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/23

Left In: -0.000+/-0.000 χ^2/NDF:22.8/22

Left: -0.000+/-0.000 χ^2/NDF: 41.7/46

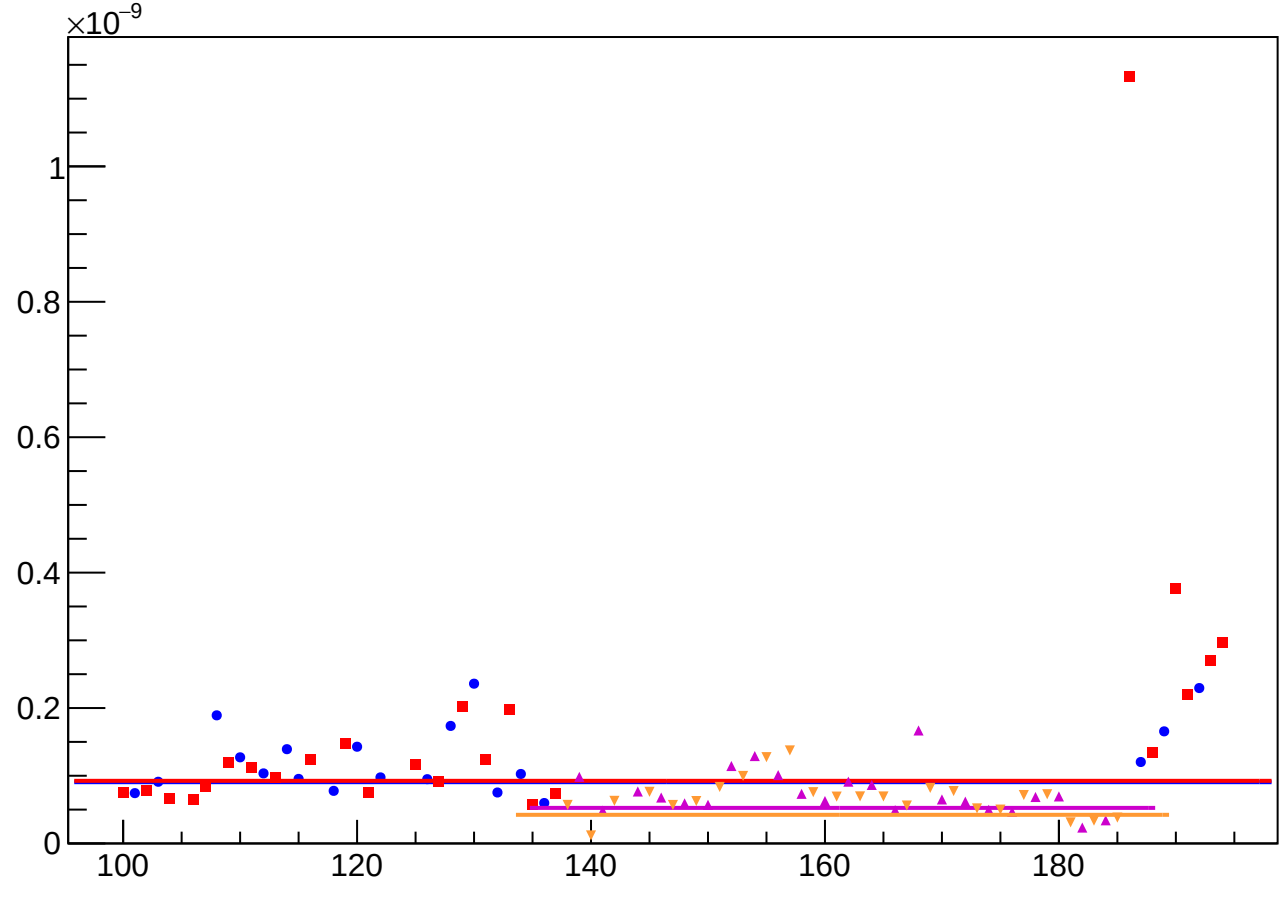
Right: -0.000+/-0.000 χ^2/NDF: 42.2/42

In: -0.000+/-0.000 χ^2/NDF:40.0/41

Out: -0.000+/-0.000 χ^2/NDF:43.8/47

All: -0.000+/-0.000 χ^2/NDF: 84.2/89

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1627703.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2751616.8/23

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

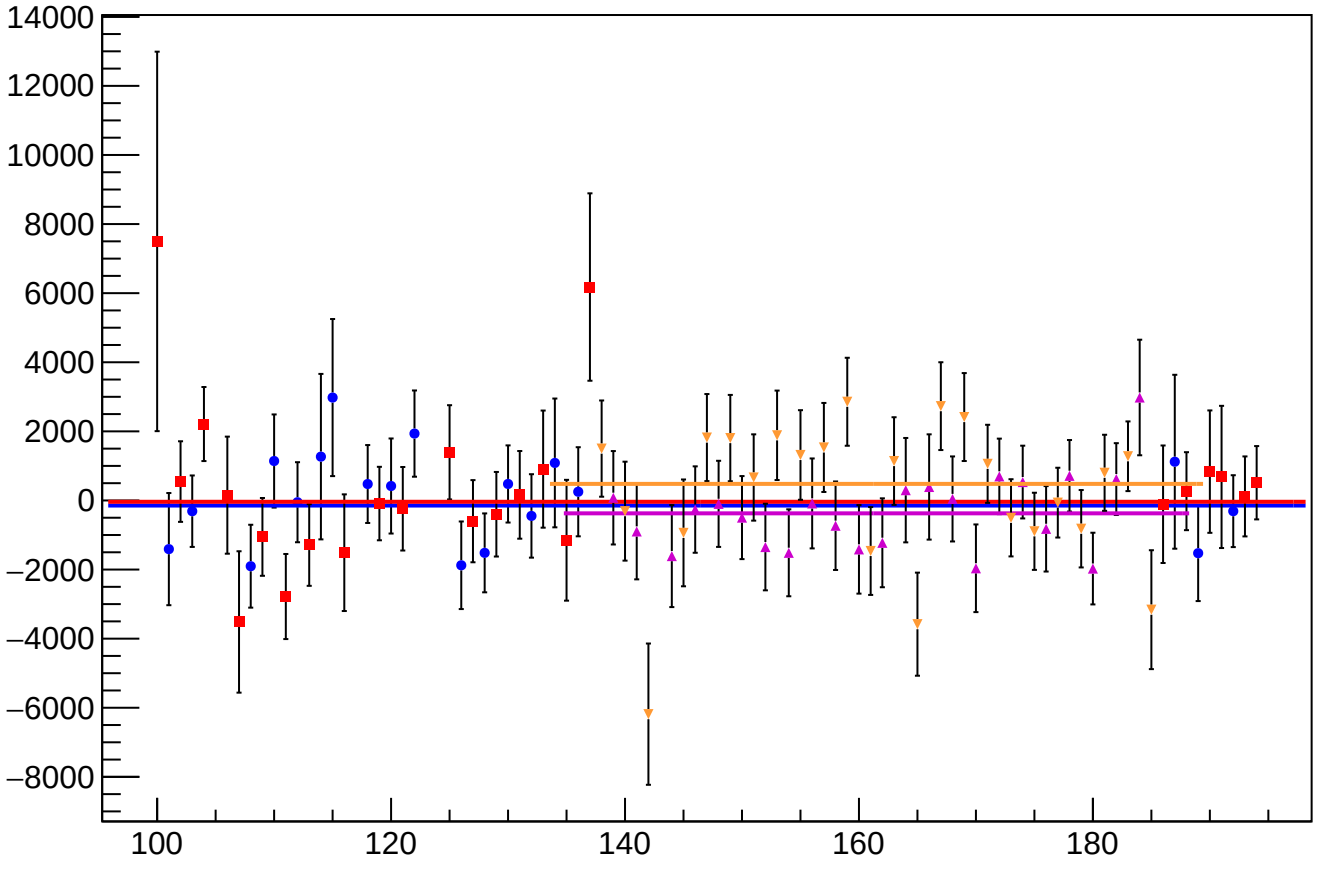
Right: 0.000+/-0.000 χ^2/NDF: 4381745.1/42

In: 0.000+/-0.000 χ^2/NDF:7982603.6/41

Out: 0.000+/-0.000 χ^2/NDF:12189816.2/47

All: 0.000+/-0.000 χ^2/NDF: 20623219.2/89

reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -147.006+/-301.530 χ^2/NDF: 14.7/18

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: -37.940+/-277.608 χ^2/NDF: 25.3/23

Left In: -372.926+/-259.314 χ^2/NDF:16.0/22

Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

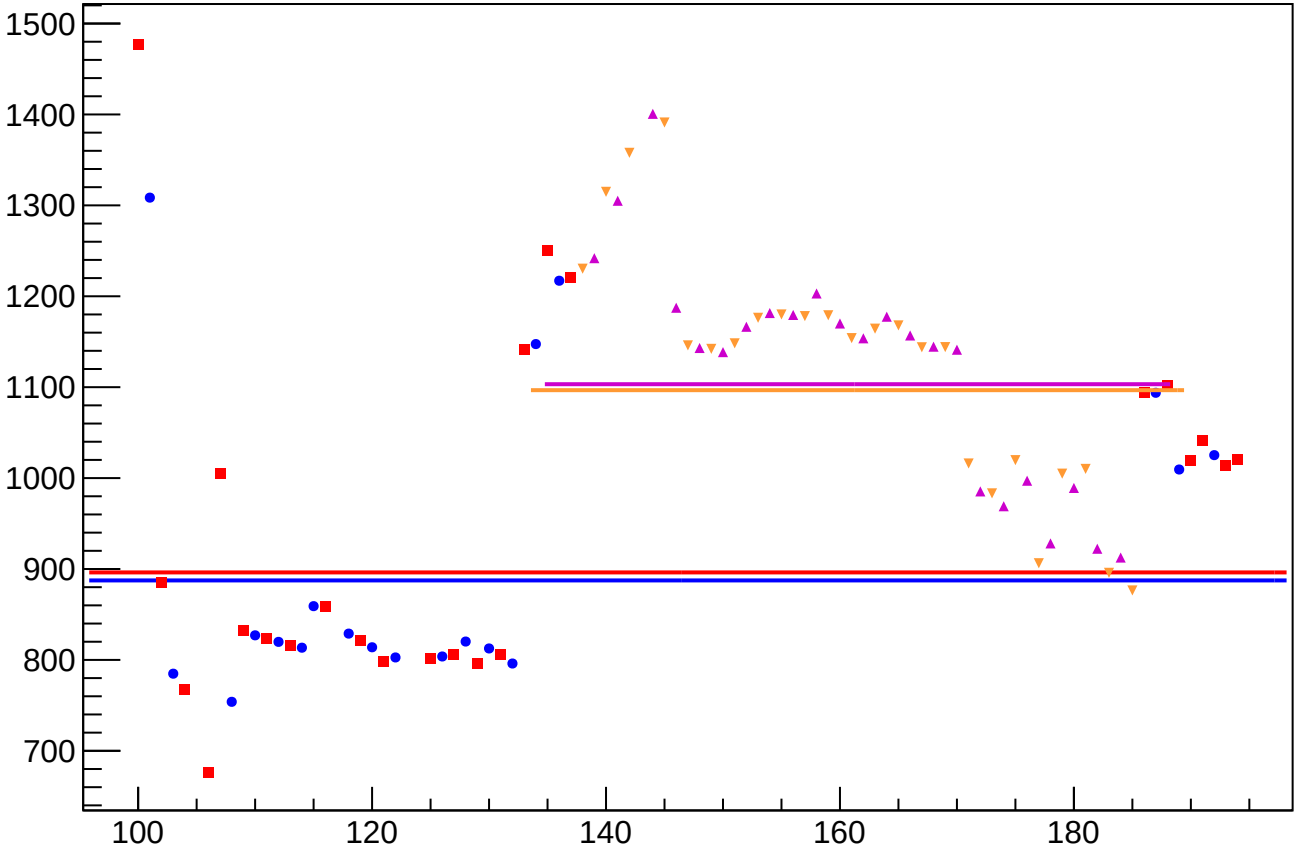
Right: -87.976+/-204.233 χ^2/NDF: 40.0/42

In: -276.876+/-196.609 χ^2/NDF:31.0/41

Out: 241.398+/-188.326 χ^2/NDF:72.3/47

All: -6.593+/-136.001 χ^2/NDF: 107.0/89

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 887.438+/-0.213 χ^2/NDF: 482166.9/18

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 896.248+/-0.194 χ^2/NDF: 519704.2/23

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

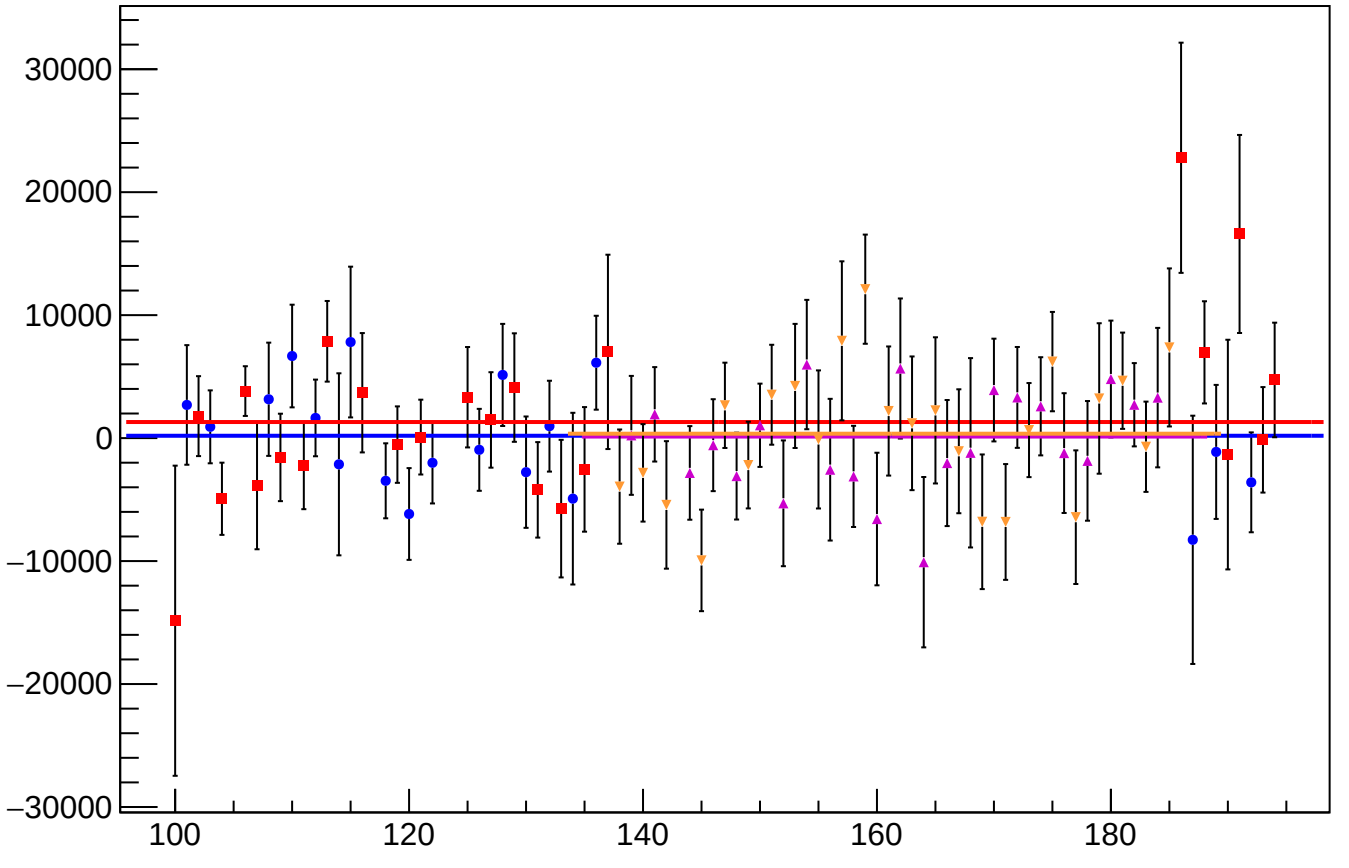
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 892.247+/-0.144 χ^2/NDF: 1002803.2/42

In: 1011.515+/-0.139 χ^2/NDF:1518816.1/41

Out: 1003.531+/-0.133 χ^2/NDF:1568781.5/47

All: 1007.334+/-0.096 χ^2/NDF: 3089324.6/89



Right In: 190.838+/-935.516 χ^2/NDF: 16.4/18

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: 1307.634+/-807.605 χ^2/NDF: 32.0/23

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

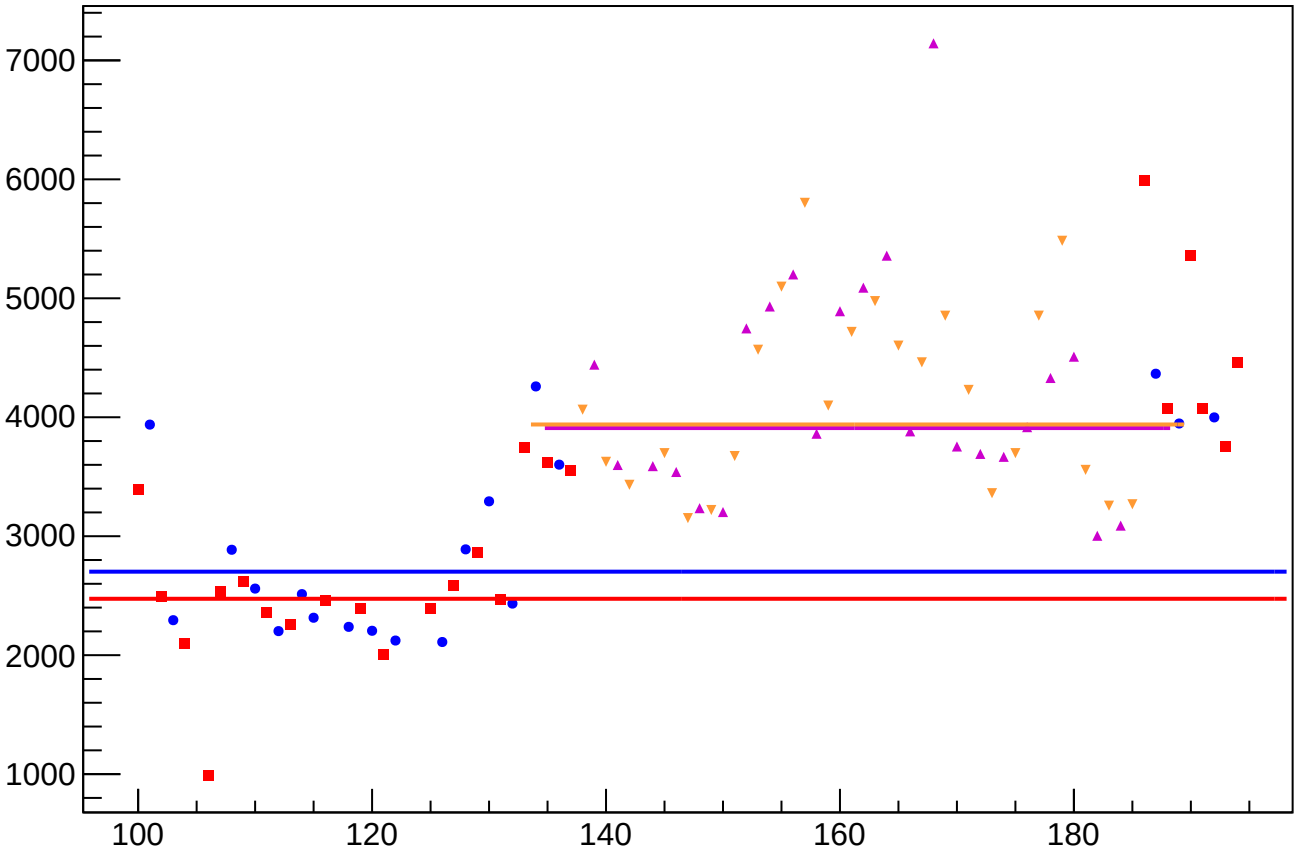
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: 830.748+/-611.324 χ^2/NDF: 49.2/42

In: 158.669+/-660.492 χ^2/NDF:30.2/41

Out: 901.368+/-610.962 χ^2/NDF:62.9/47

All: 558.907+/-448.505 χ^2/NDF: 93.7/89



Right In: 2701.948+/-0.662 χ^2/NDF: 1061277.5/18

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2474.069+/-0.571 χ^2/NDF: 2836411.8/23

Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

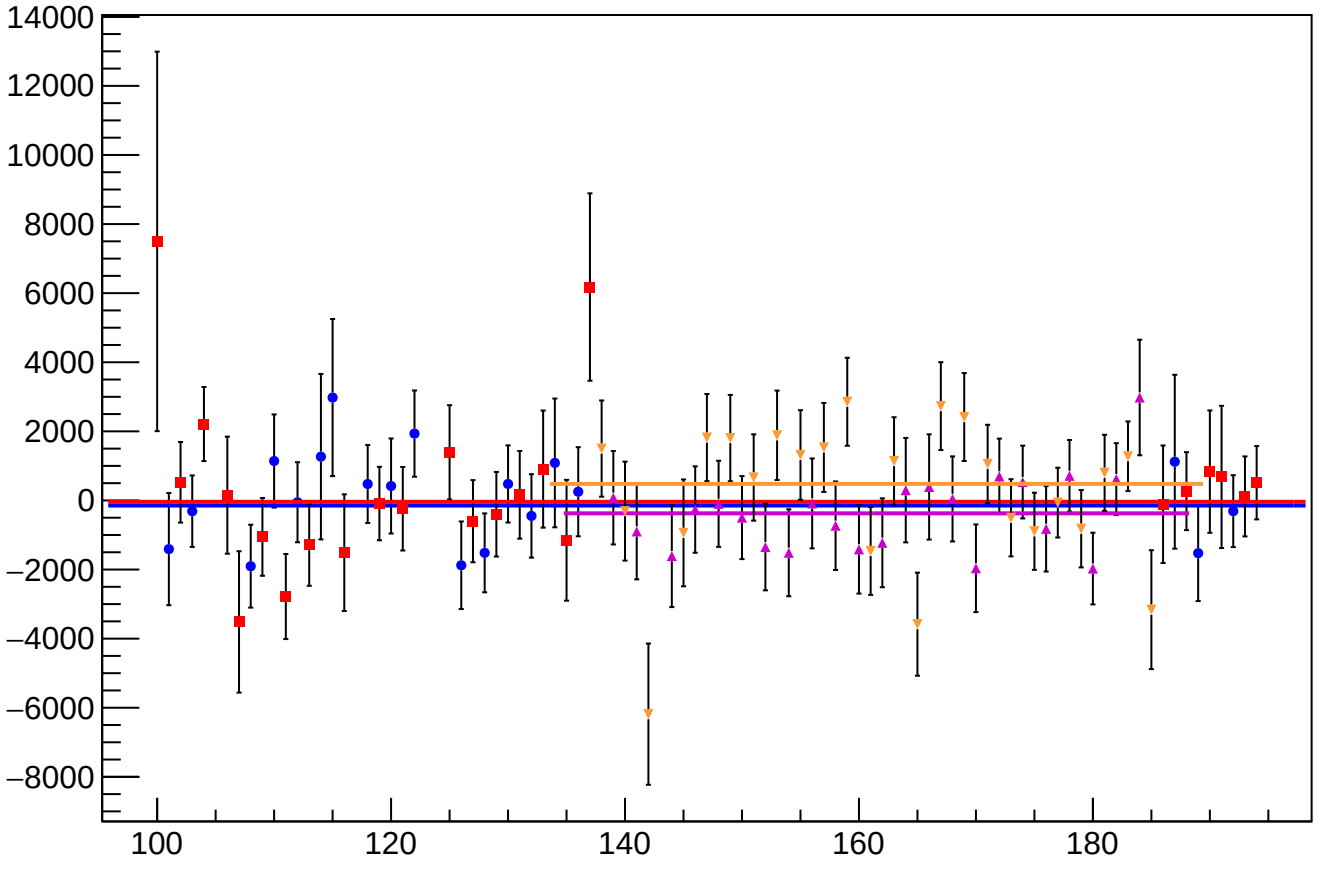
Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

Right: 2571.376+/-0.432 χ^2/NDF: 3965685.1/42

In: 3307.395+/-0.467 χ^2/NDF:4032289.8/41

Out: 3100.718+/-0.432 χ^2/NDF:6744554.1/47

All: 3196.018+/-0.317 χ^2/NDF: 10882376.1/8



Right In: -147.069+/-301.530 χ^2/NDF: 14.7/18

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -39.144+/-277.611 χ^2/NDF: 25.3/23

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

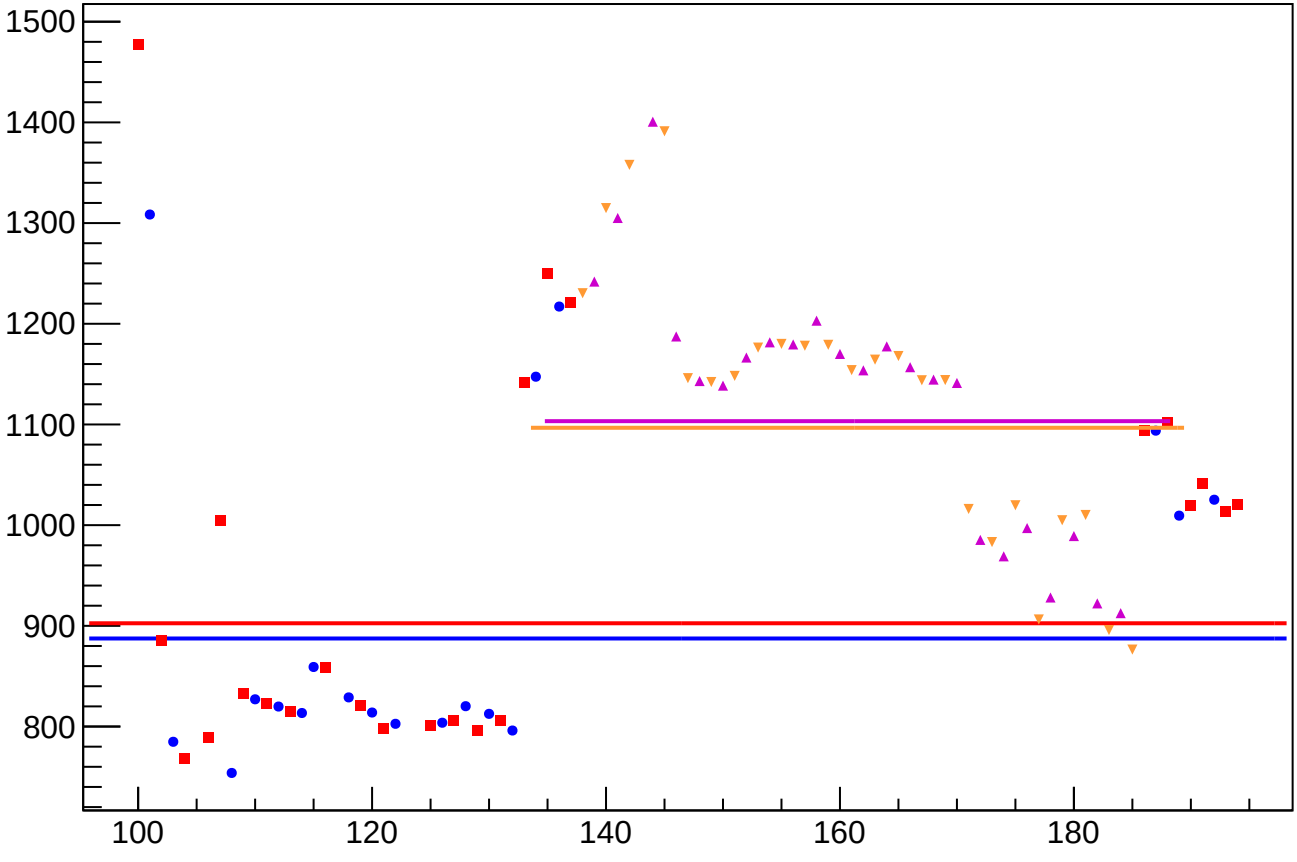
Right: -88.657+/-204.234 χ^2/NDF: 40.0/42

In: -276.888+/-196.609 χ^2/NDF:31.0/41

Out: 240.862+/-188.327 χ^2/NDF:72.3/47

All: -6.879+/-136.001 χ^2/NDF: 107.0/89

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 887.438+/-0.213 χ^2/NDF: 482166.7/18

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 902.555+/-0.196 χ^2/NDF: 471427.5/23

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

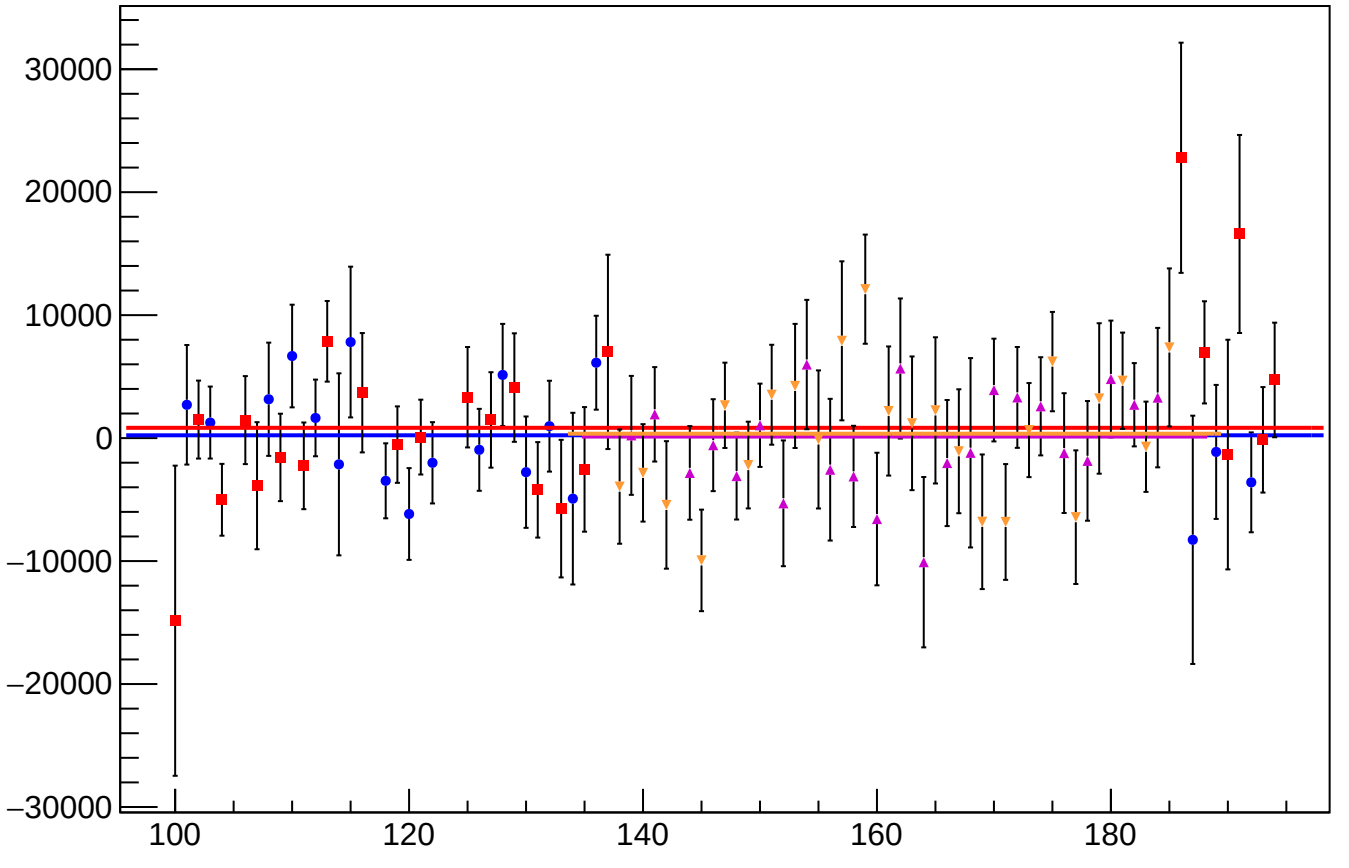
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 895.649+/-0.144 χ^2/NDF: 956324.4/42

In: 1011.515+/-0.139 χ^2/NDF:1518816.2/41

Out: 1006.987+/-0.133 χ^2/NDF:1482191.2/47

All: 1009.150+/-0.096 χ^2/NDF: 3001561.4/89



Right In: 228.537+/-934.273 χ^2/NDF: 16.5/18

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 836.697+/-853.522 χ^2/NDF: 30.3/23

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

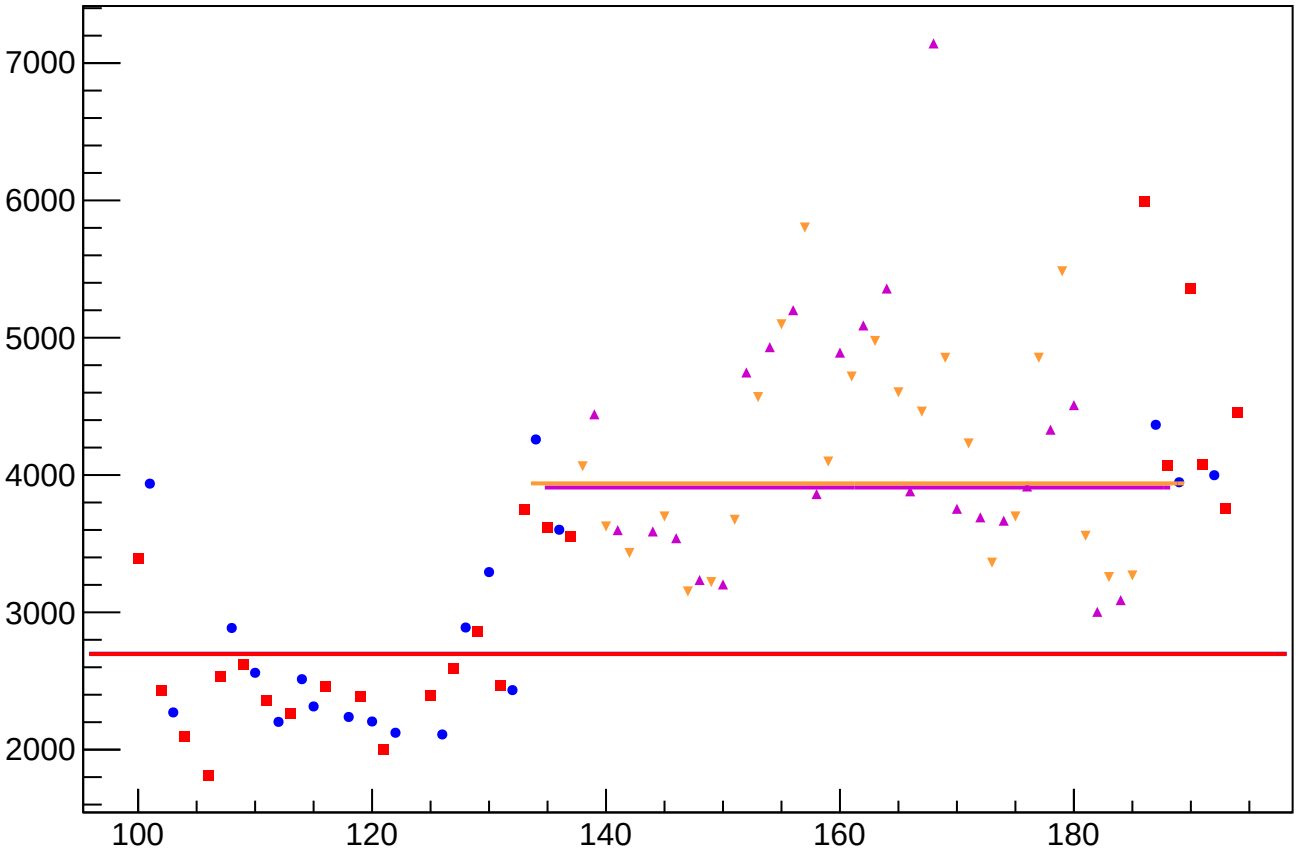
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 560.030+/-630.149 χ^2/NDF: 47.0/42

In: 177.497+/-660.054 χ^2/NDF:30.2/41

Out: 618.789+/-630.133 χ^2/NDF:60.7/47

All: 408.372+/-455.782 χ^2/NDF: 91.2/89



Right In: 2698.504+/-0.661 χ^2/NDF: 1066641.2/18

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2695.996+/-0.604 χ^2/NDF: 1690261.4/23

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

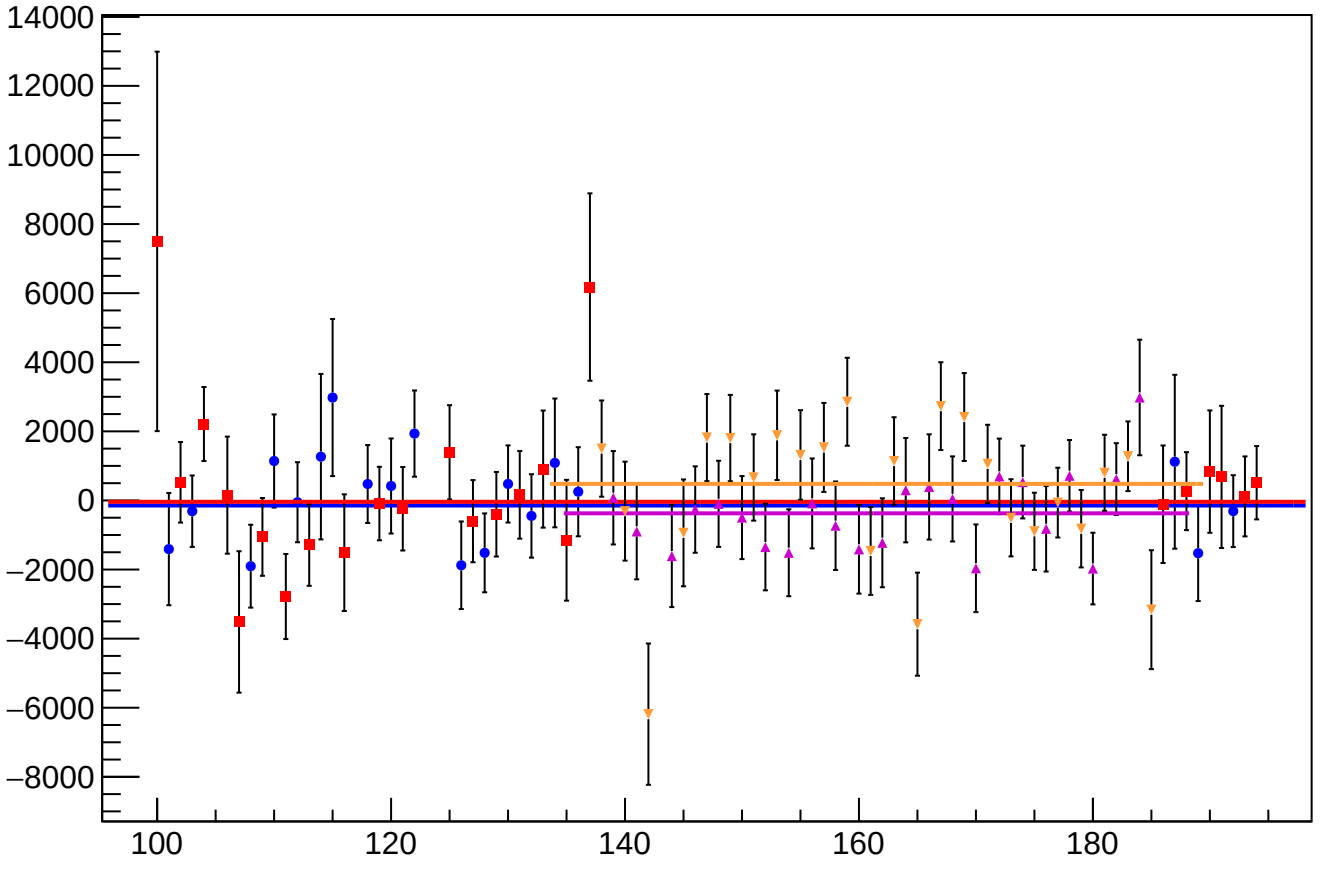
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2697.137+/-0.446 χ^2/NDF: 2756910.5/42

In: 3304.872+/-0.467 χ^2/NDF:4049431.0/41

Out: 3261.624+/-0.446 χ^2/NDF:4713536.9/47

All: 3282.245+/-0.322 χ^2/NDF: 8767460.1/89



Right In: -147.069+/-301.530 χ^2/NDF: 14.7/18

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -39.144+/-277.611 χ^2/NDF: 25.3/23

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

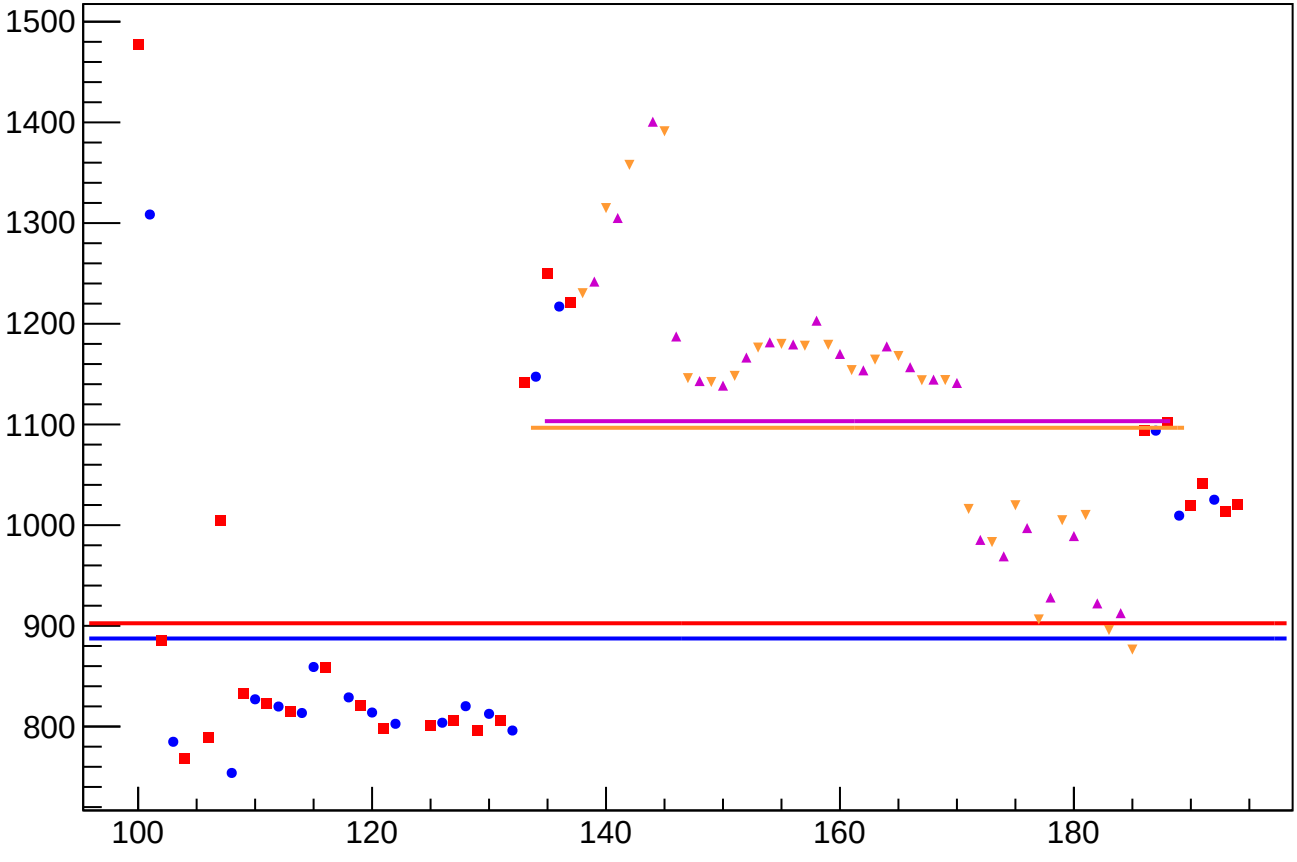
Right: -88.657+/-204.234 χ^2/NDF: 40.0/42

In: -276.888+/-196.609 χ^2/NDF:31.0/41

Out: 240.862+/-188.327 χ^2/NDF:72.3/47

All: -6.879+/-136.001 χ^2/NDF: 107.0/89

eigen_cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 887.438+/-0.213 χ^2/NDF: 482166.7/18

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 902.555+/-0.196 χ^2/NDF: 471427.5/23

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

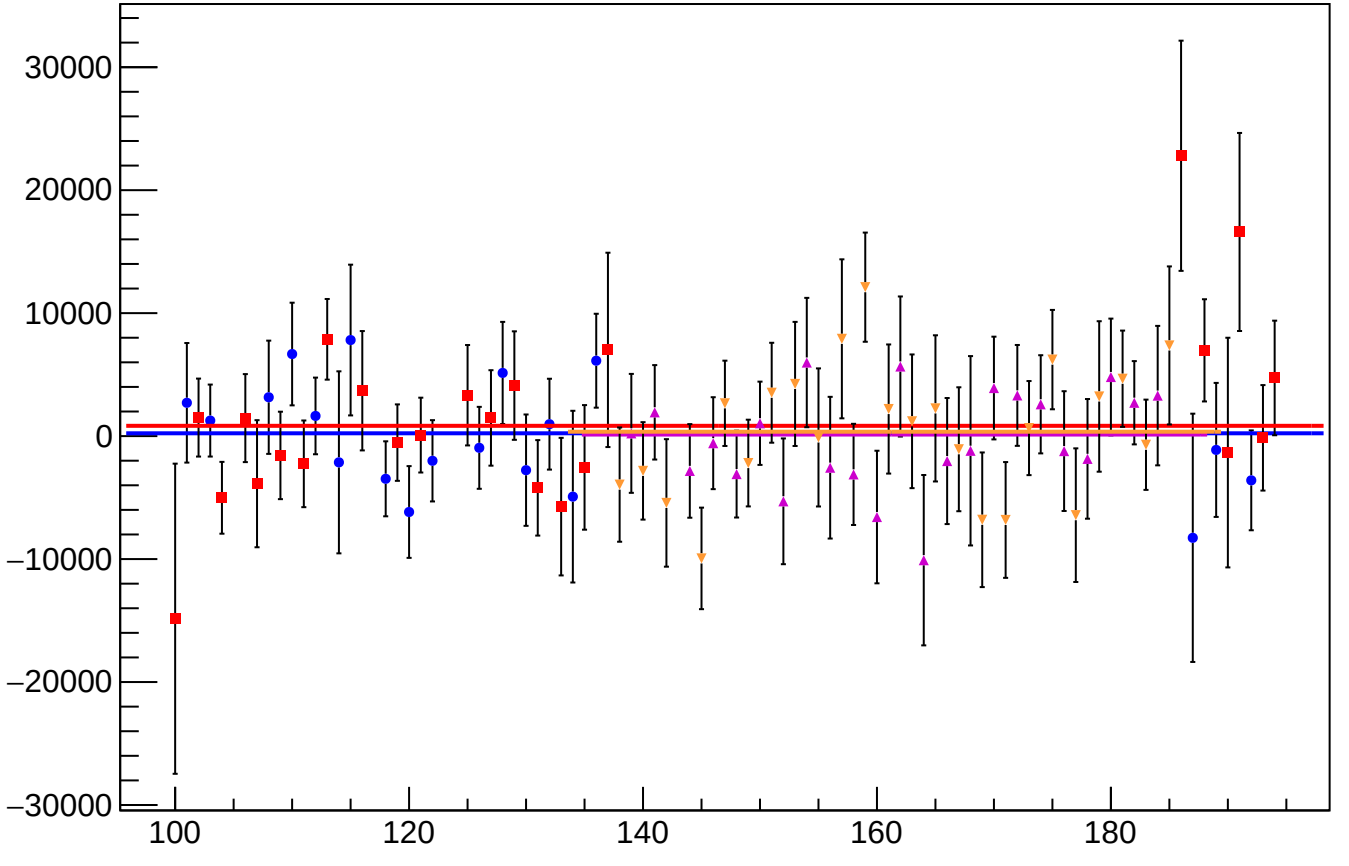
Right: 895.649+/-0.144 χ^2/NDF: 956324.4/42

In: 1011.515+/-0.139 χ^2/NDF:1518816.2/41

Out: 1006.987+/-0.133 χ^2/NDF:1482191.2/47

All: 1009.150+/-0.096 χ^2/NDF: 3001561.4/89

asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 228.537+/-934.273 χ^2/NDF: 16.5/18

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 836.697+/-853.522 χ^2/NDF: 30.3/23

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

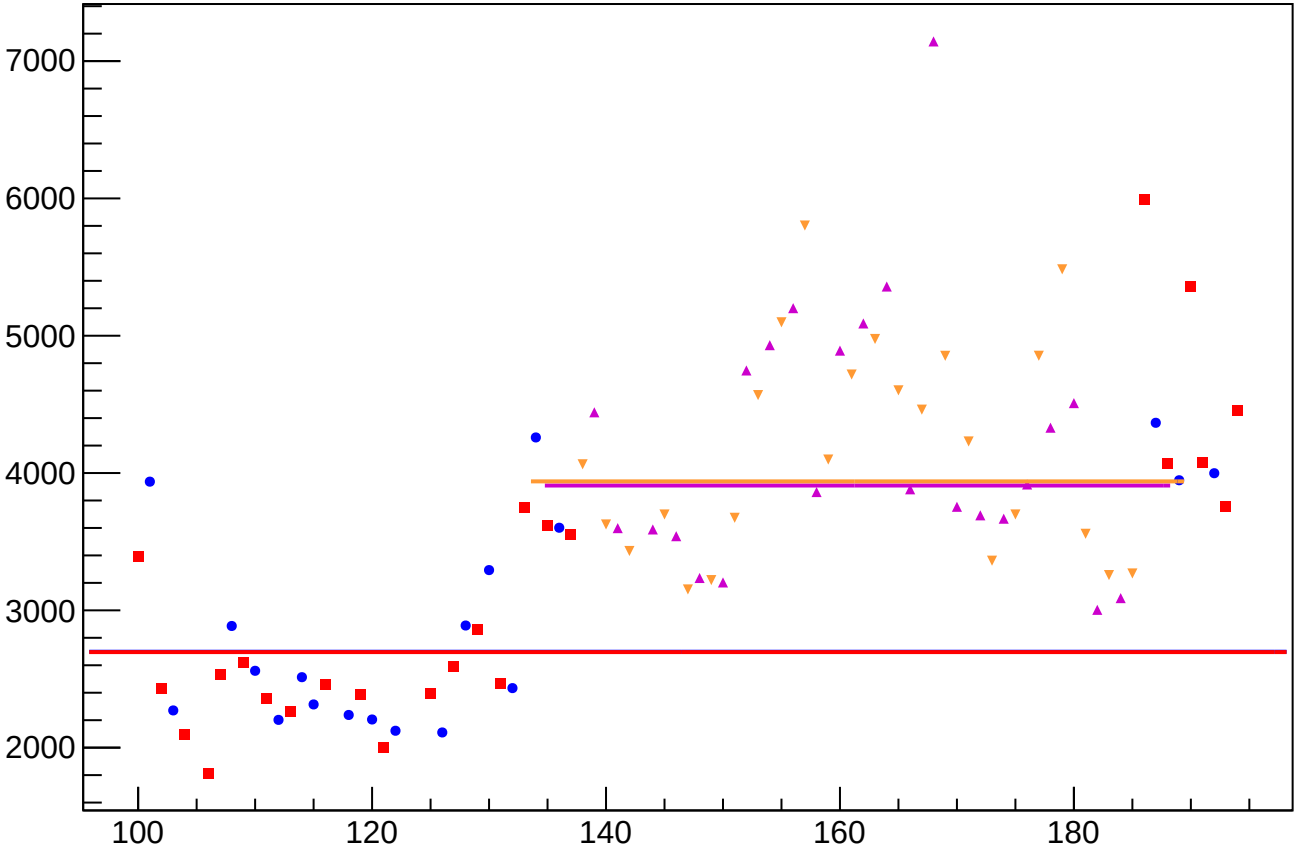
Right: 560.030+/-630.149 χ^2/NDF: 47.0/42

In: 177.497+/-660.054 χ^2/NDF:30.2/41

Out: 618.789+/-630.133 χ^2/NDF:60.7/47

All: 408.372+/-455.782 χ^2/NDF: 91.2/89

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2698.504+/-0.661 χ^2/NDF: 1066641.2/18

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2695.996+/-0.604 χ^2/NDF: 1690261.4/23

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

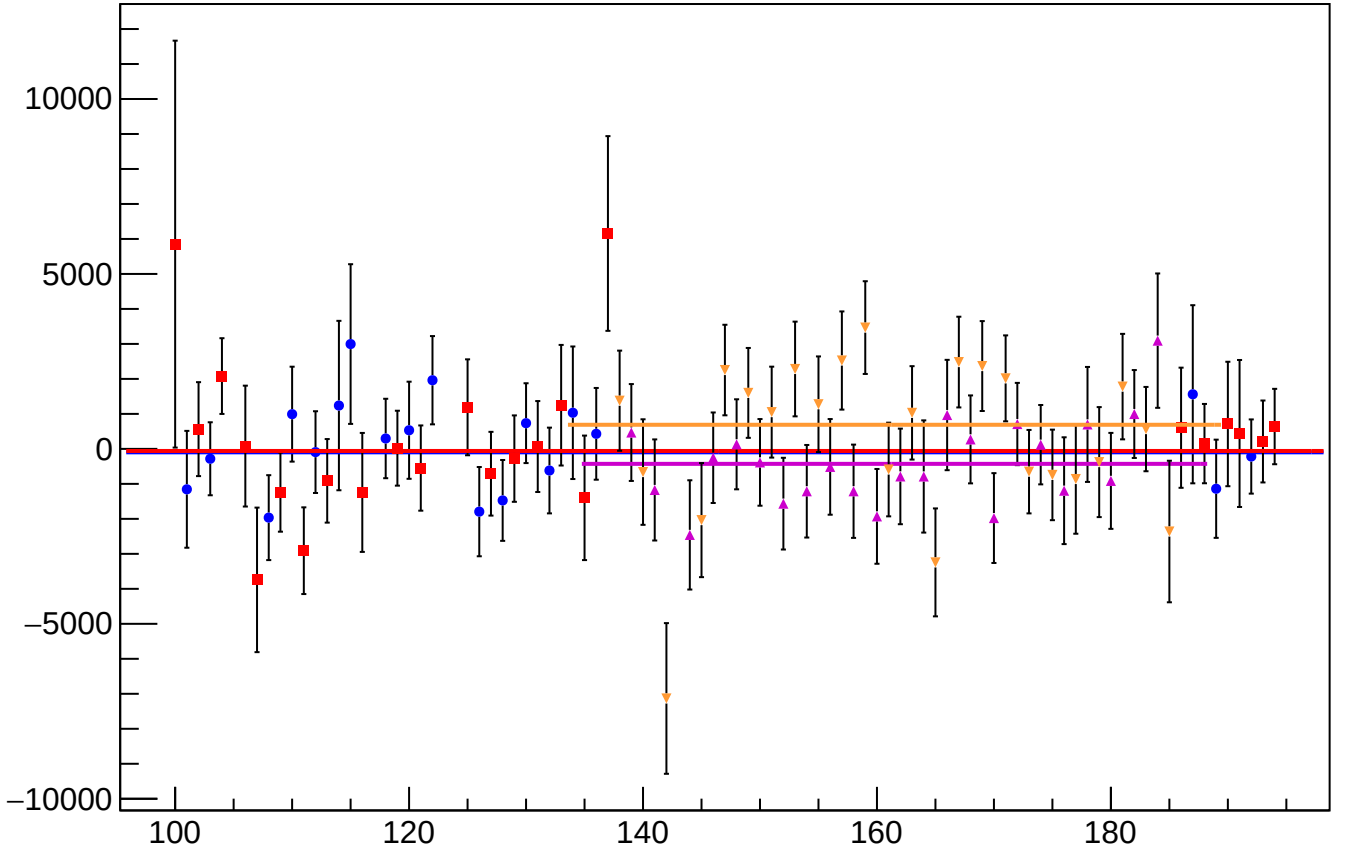
Right: 2697.137+/-0.446 χ^2/NDF: 2756910.5/42

In: 3304.872+/-0.467 χ^2/NDF:4049431.0/41

Out: 3261.624+/-0.446 χ^2/NDF:4713536.9/47

All: 3282.245+/-0.322 χ^2/NDF: 8767460.1/89

dit_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -98.509+/-305.293 χ^2/NDF: 14.0/18

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: -59.715+/-282.360 χ^2/NDF: 24.1/23

Left In: -428.052+/-284.383 χ^2/NDF:14.6/22

Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

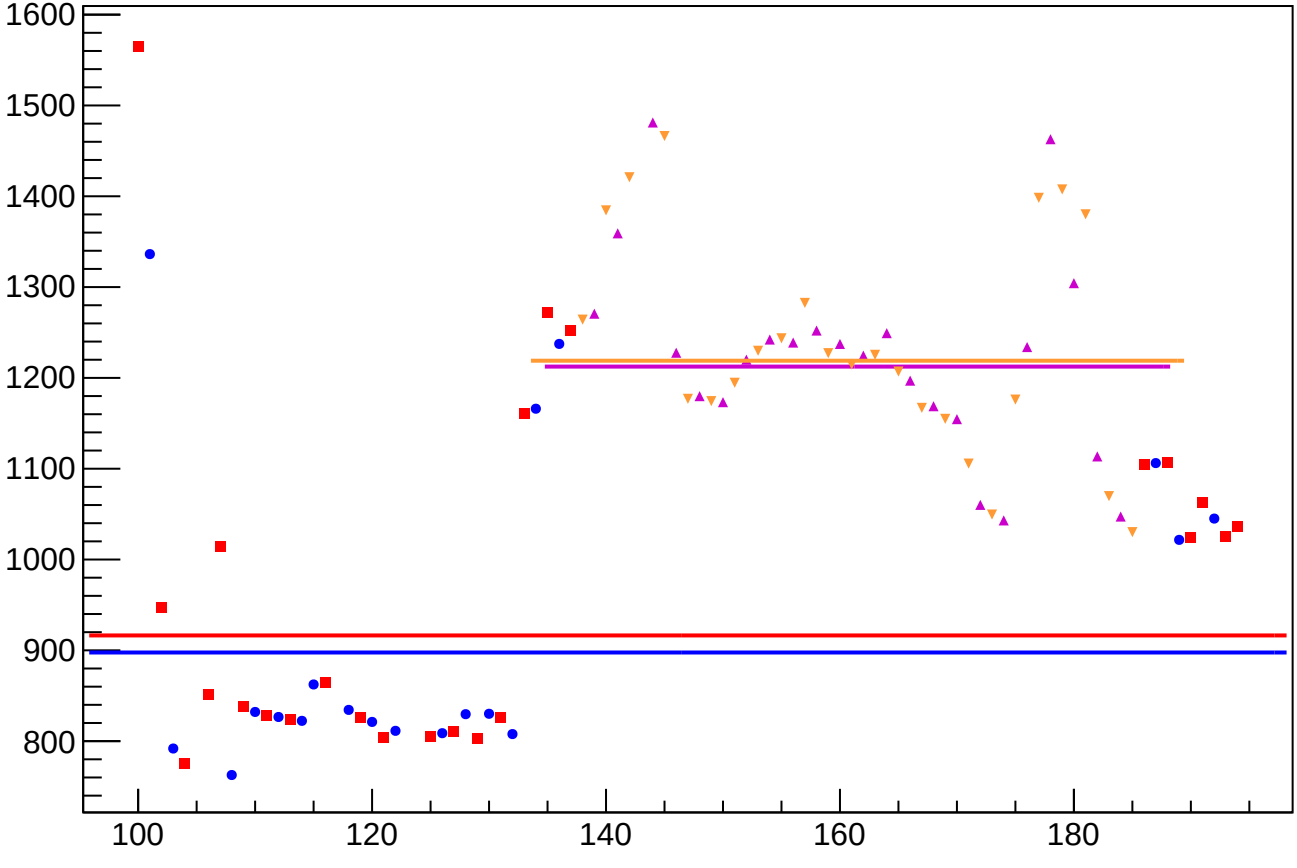
Right: -77.600+/-207.293 χ^2/NDF: 38.1/42

In: -274.952+/-208.089 χ^2/NDF:29.2/41

Out: 312.007+/-200.372 χ^2/NDF:73.3/47

All: 29.613+/-144.336 χ^2/NDF: 106.7/89

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 897.627+/-0.216 χ^2/NDF: 495976.5/18

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 916.410+/-0.200 χ^2/NDF: 475937.2/23

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

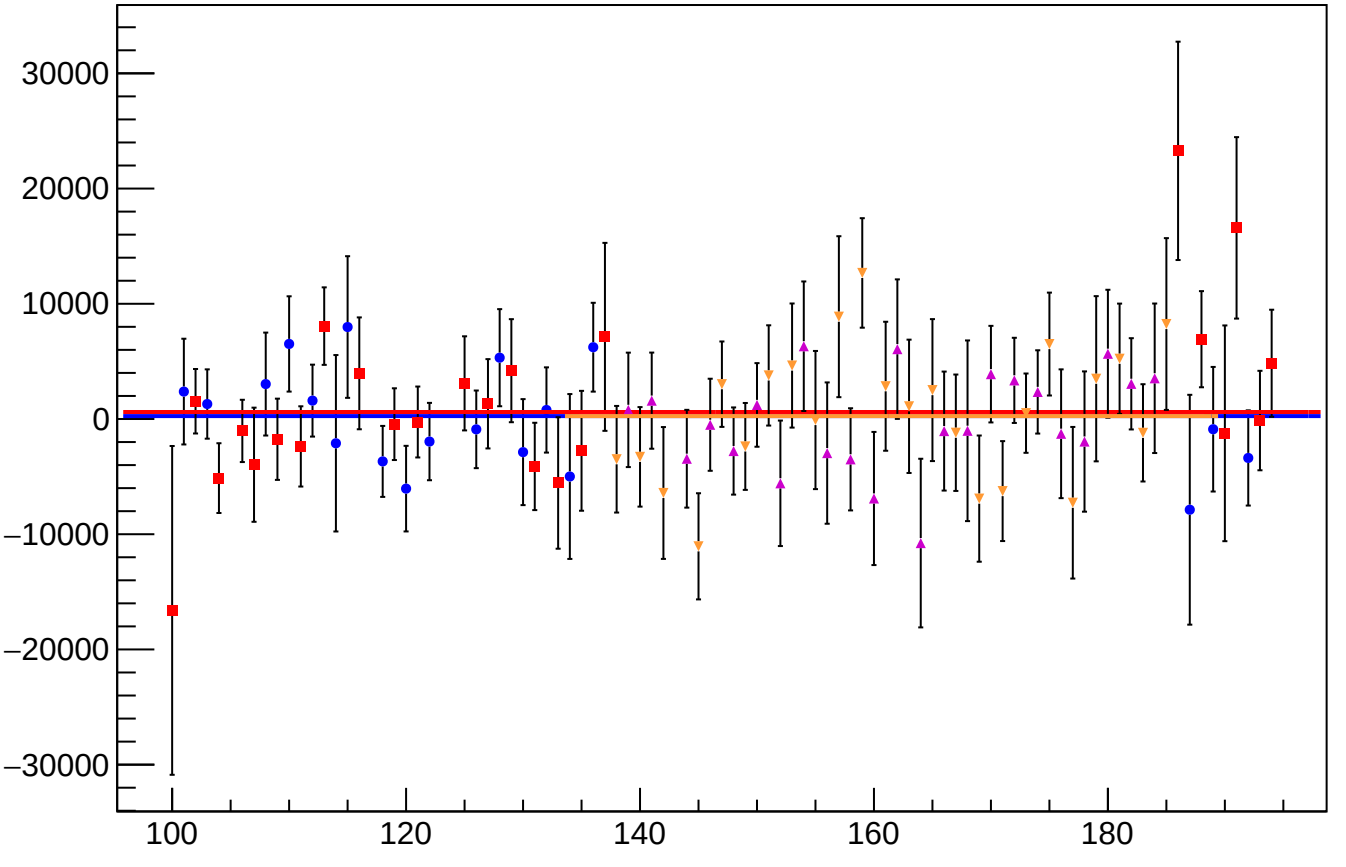
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 907.757+/-0.147 χ^2/NDF: 975996.6/42

In: 1066.187+/-0.147 χ^2/NDF:1895002.7/41

Out: 1066.476+/-0.142 χ^2/NDF:1910304.6/47

All: 1066.337+/-0.102 χ^2/NDF: 3805309.3/89



Right In: 251.820+/-939.159 χ^2/NDF: 16.3/18

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: 607.863+/-831.327 χ^2/NDF: 31.0/23

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

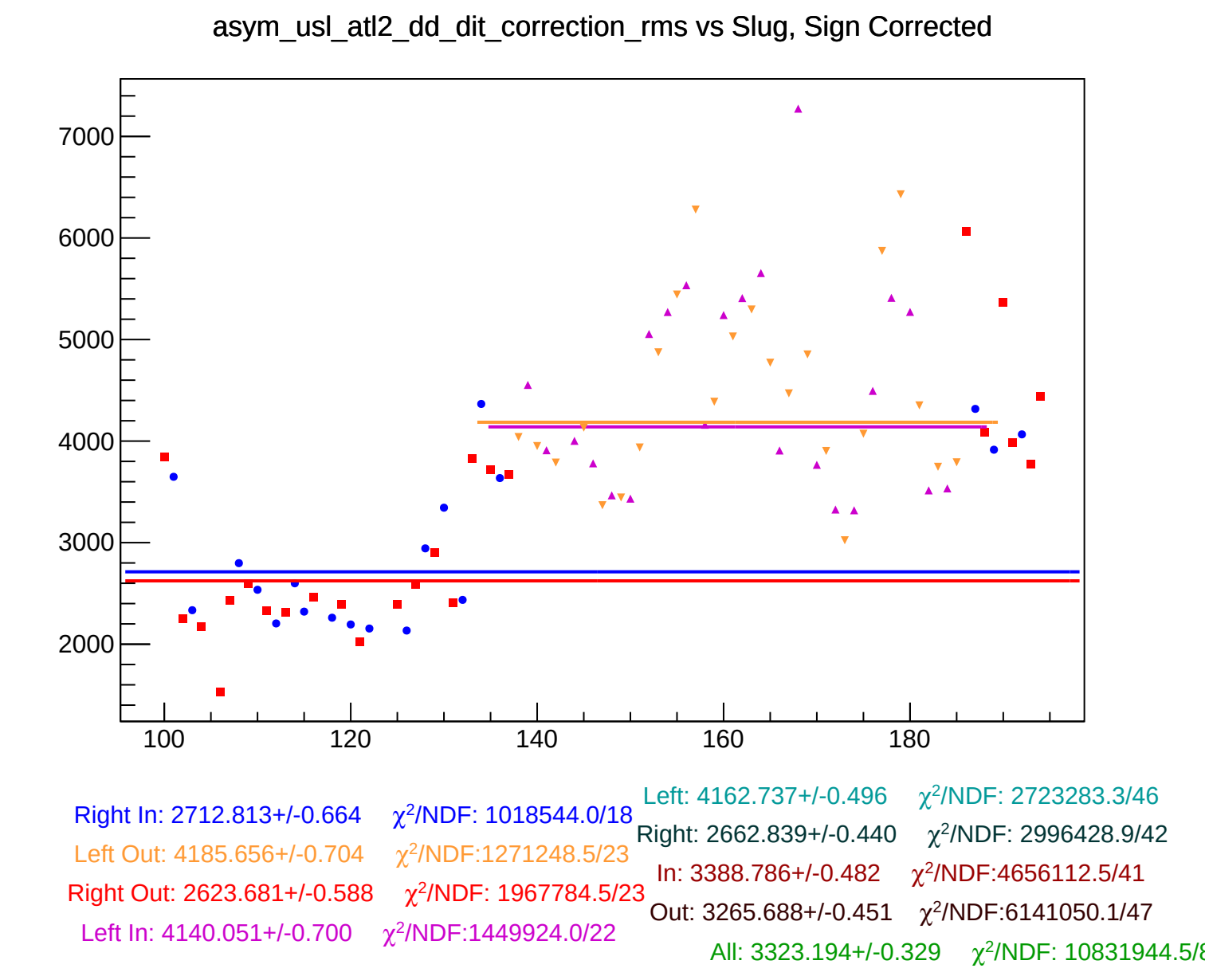
Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

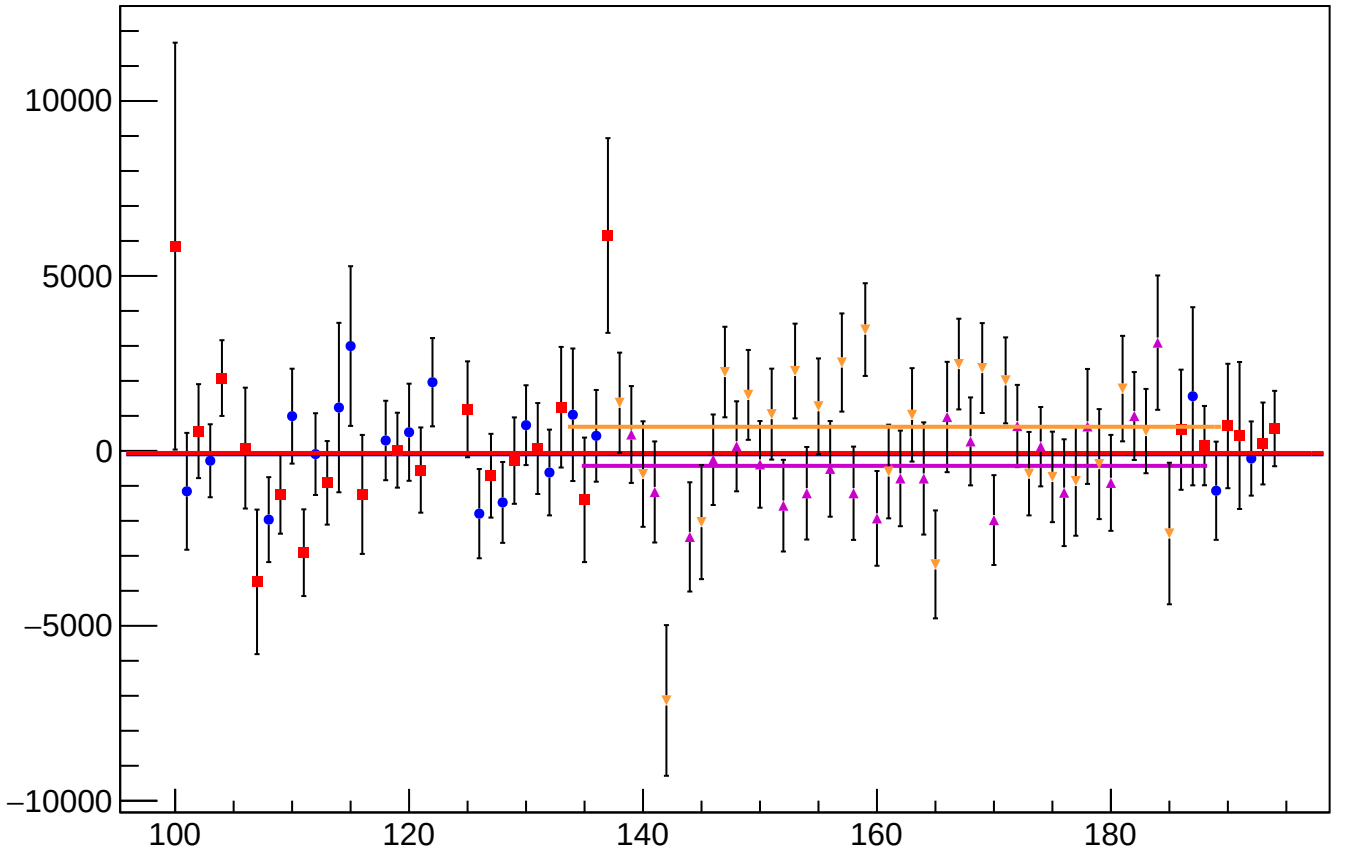
Right: 451.446+/-622.486 χ^2/NDF: 47.4/42

In: 258.647+/-681.378 χ^2/NDF:29.7/41

Out: 461.925+/-638.001 χ^2/NDF:60.8/47

All: 366.962+/-465.715 χ^2/NDF: 90.5/89


asym_usl_atl2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
Right In: 2712.813+/-0.664 χ²/NDF: 1018544.0/18
Left Out: 4185.656+/-0.704 χ²/NDF:1271248.5/23
Right Out: 2623.681+/-0.588 χ²/NDF: 1967784.5/23
Left In: 4140.051+/-0.700 χ²/NDF:1449924.0/22
Left: 4162.737+/-0.496 χ²/NDF: 2723283.3/46
Right: 2662.839+/-0.440 χ²/NDF: 2996428.9/42
In: 3388.786+/-0.482 χ²/NDF:4656112.5/41
Out: 3265.688+/-0.451 χ²/NDF:6141050.1/47
All: 3323.194+/-0.329 χ²/NDF: 10831944.5/8



Right In: -98.512+/-305.293 χ^2/NDF: 14.0/18

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: -59.718+/-282.361 χ^2/NDF: 24.1/23

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

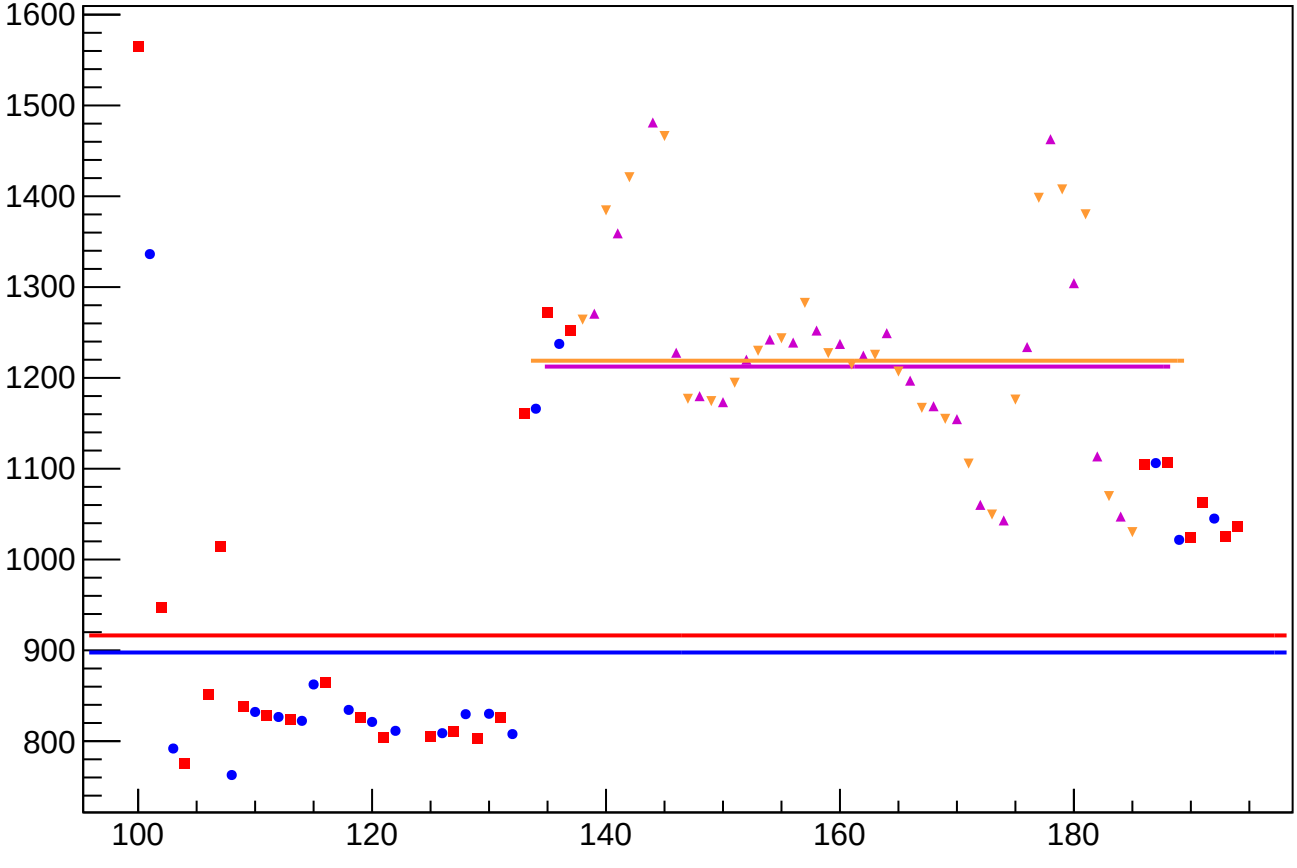
Right: -77.603+/-207.293 χ^2/NDF: 38.1/42

In: -274.952+/-208.089 χ^2/NDF:29.2/41

Out: 312.007+/-200.372 χ^2/NDF:73.3/47

All: 29.613+/-144.336 χ^2/NDF: 106.7/89

eigen_dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 897.627+/-0.216 χ^2/NDF: 495975.9/18

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

Right Out: 916.410+/-0.200 χ^2/NDF: 475936.9/23

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

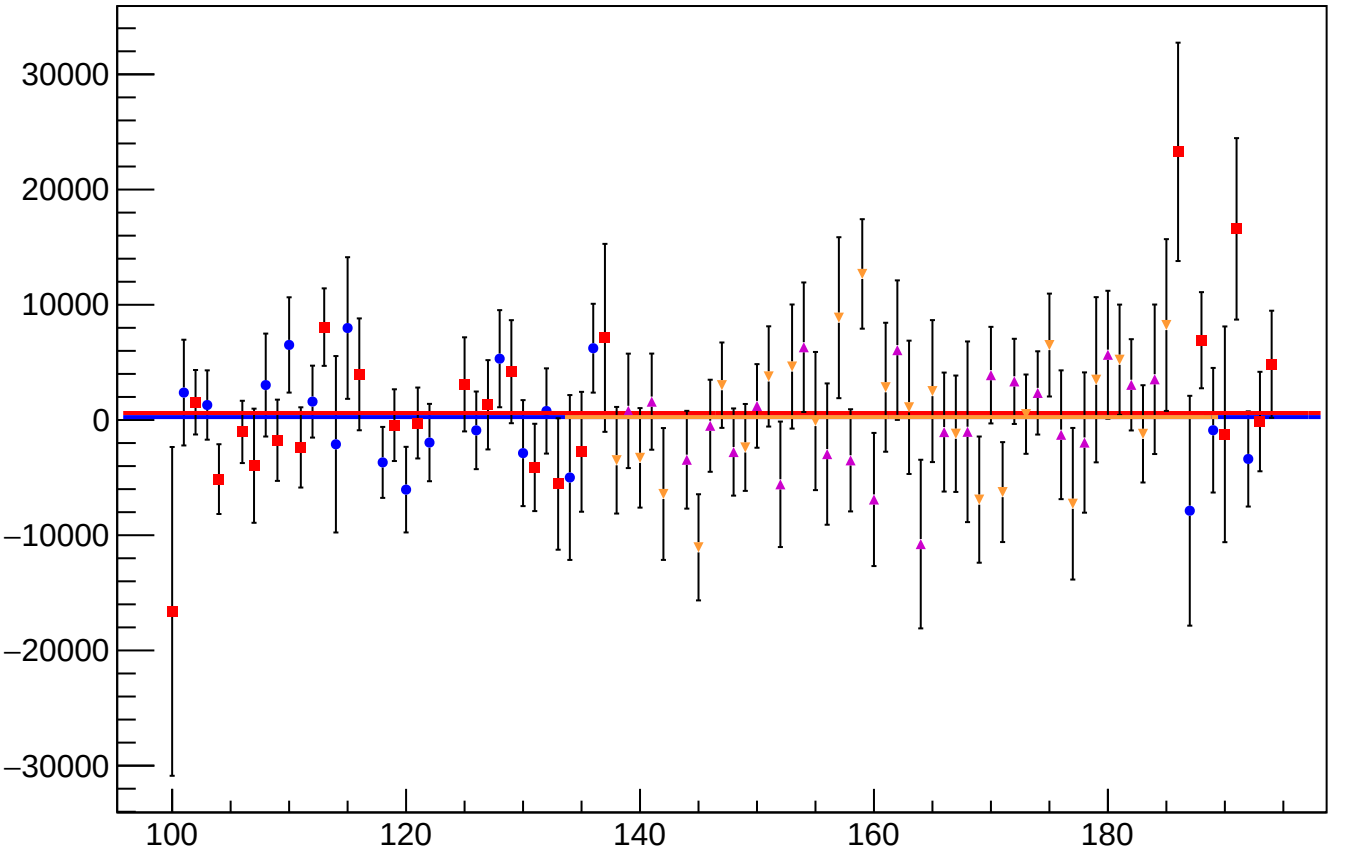
Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

Right: 907.757+/-0.147 χ^2/NDF: 975995.7/42

In: 1066.187+/-0.147 χ^2/NDF:1895018.7/41

Out: 1066.476+/-0.142 χ^2/NDF:1910321.9/47

All: 1066.337+/-0.102 χ^2/NDF: 3805342.6/89



Right In: 251.817+/-939.157 χ^2/NDF: 16.3/18

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: 607.858+/-831.325 χ^2/NDF: 31.0/23

Left In: 266.236+/-990.085 χ^2/NDF:13.4/22

Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

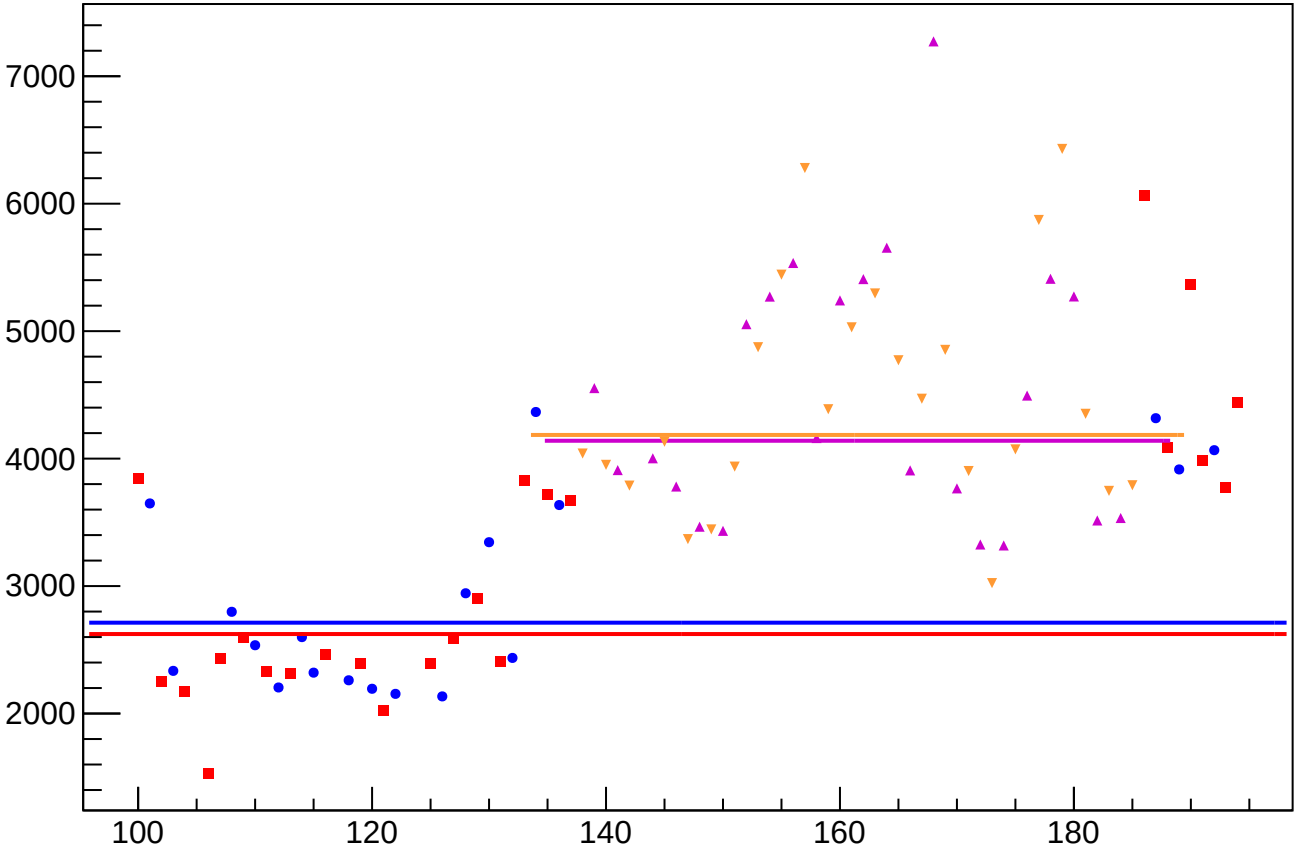
Right: 451.442+/-622.485 χ^2/NDF: 47.4/42

In: 258.646+/-681.377 χ^2/NDF:29.7/41

Out: 461.924+/-638.000 χ^2/NDF:60.8/47

All: 366.961+/-465.715 χ^2/NDF: 90.5/89

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2712.805+/-0.664 χ^2/NDF: 1018559.0/18

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2623.674+/-0.588 χ^2/NDF: 1967803.3/23

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

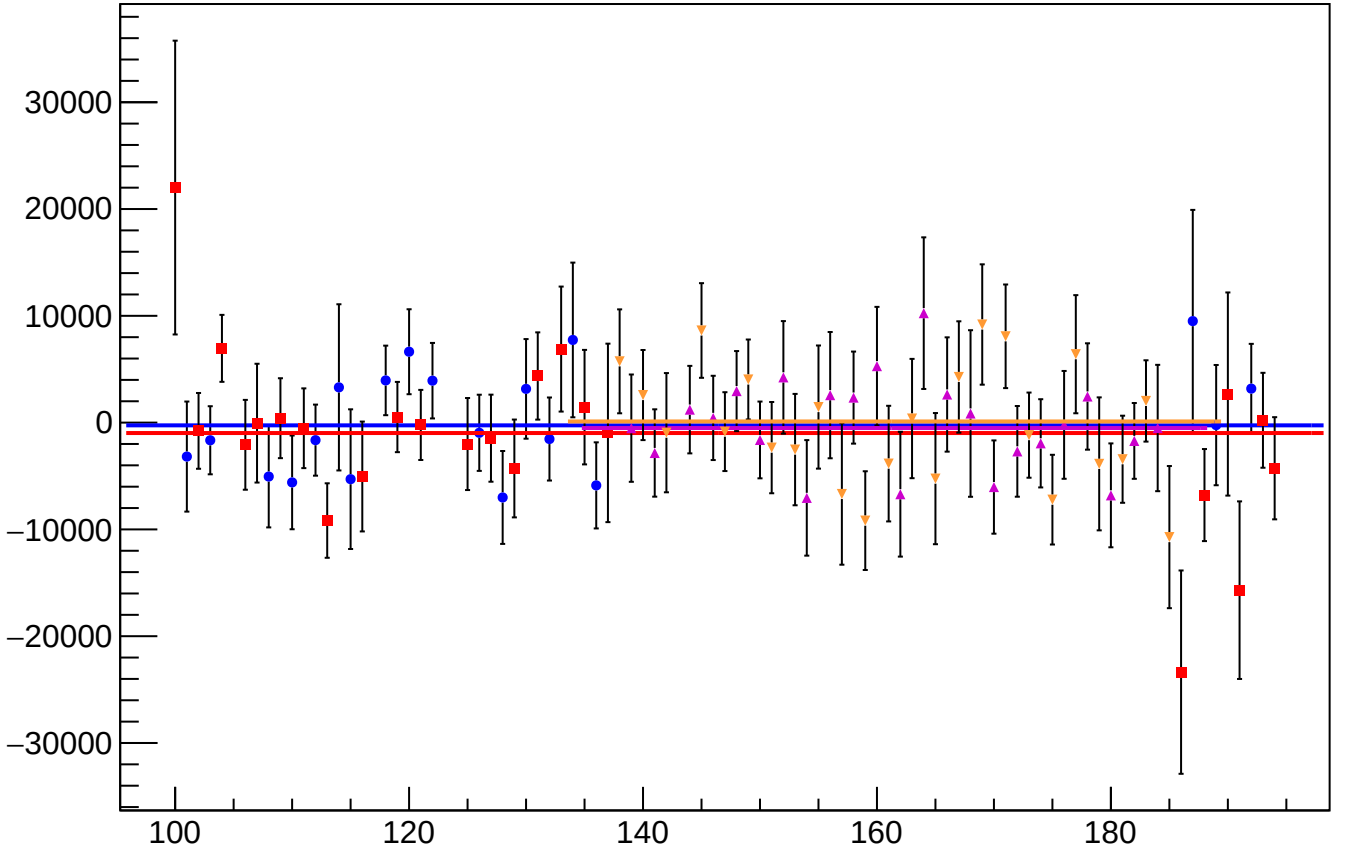
Right: 2662.831+/-0.440 χ^2/NDF: 2996462.3/42

In: 3388.782+/-0.482 χ^2/NDF:4656177.0/41

Out: 3265.684+/-0.451 χ^2/NDF:6141120.9/47

All: 3323.190+/-0.329 χ^2/NDF: 10832079.6/8

asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -256.256+/-989.354 χ^2/NDF: 17.9/18

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: -975.665+/-909.716 χ^2/NDF: 31.3/23

Left In: -509.024+/-974.173 χ^2/NDF:13.5/22

Left: -200.481+/-689.348 χ^2/NDF: 41.8/46

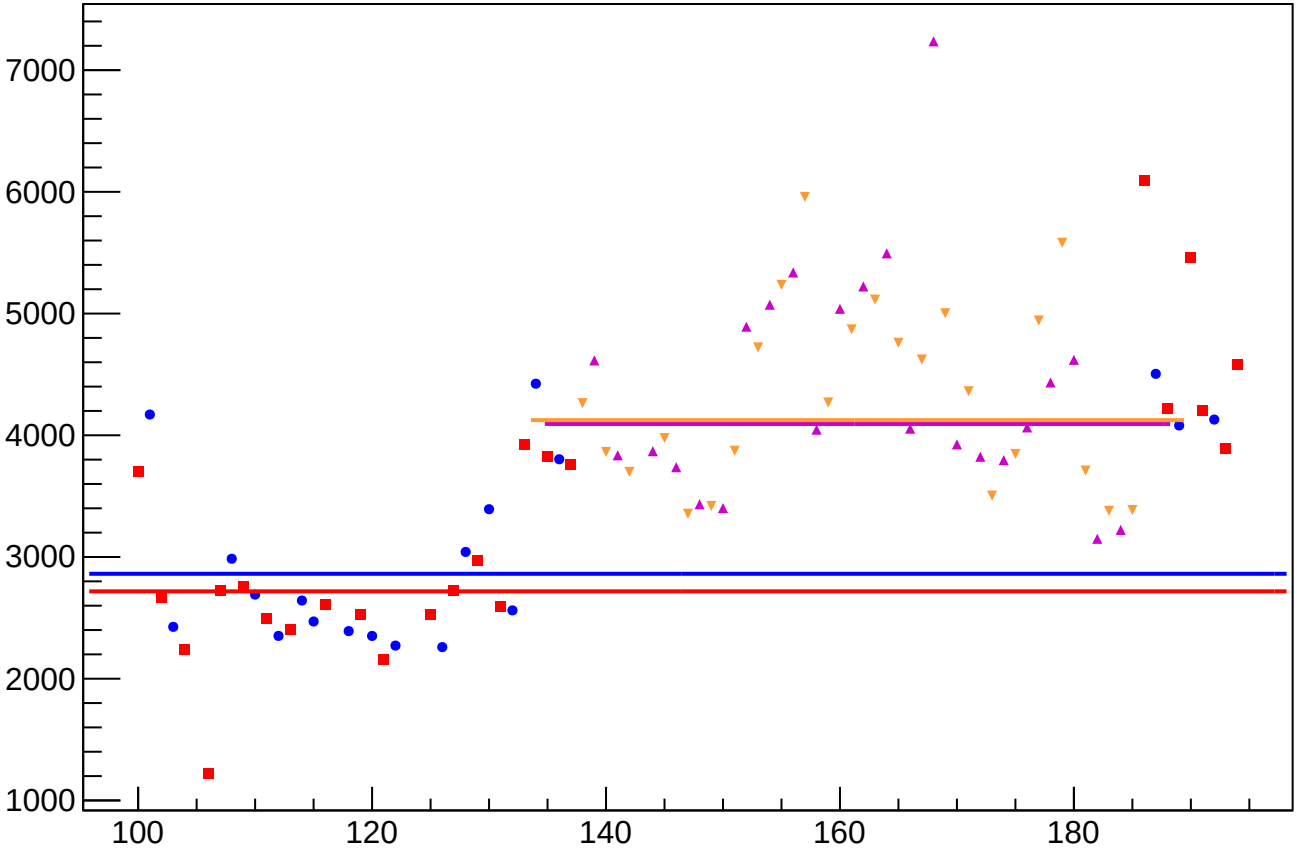
Right: -646.076+/-669.653 χ^2/NDF: 49.5/42

In: -384.594+/-694.149 χ^2/NDF:31.4/41

Out: -471.206+/-665.339 χ^2/NDF:60.0/47

All: -429.735+/-480.328 χ^2/NDF: 91.5/89

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2862.201+/-0.700 χ^2/NDF: 983246.0/18

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 2717.808+/-0.618 χ^2/NDF: 2230339.9/23

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

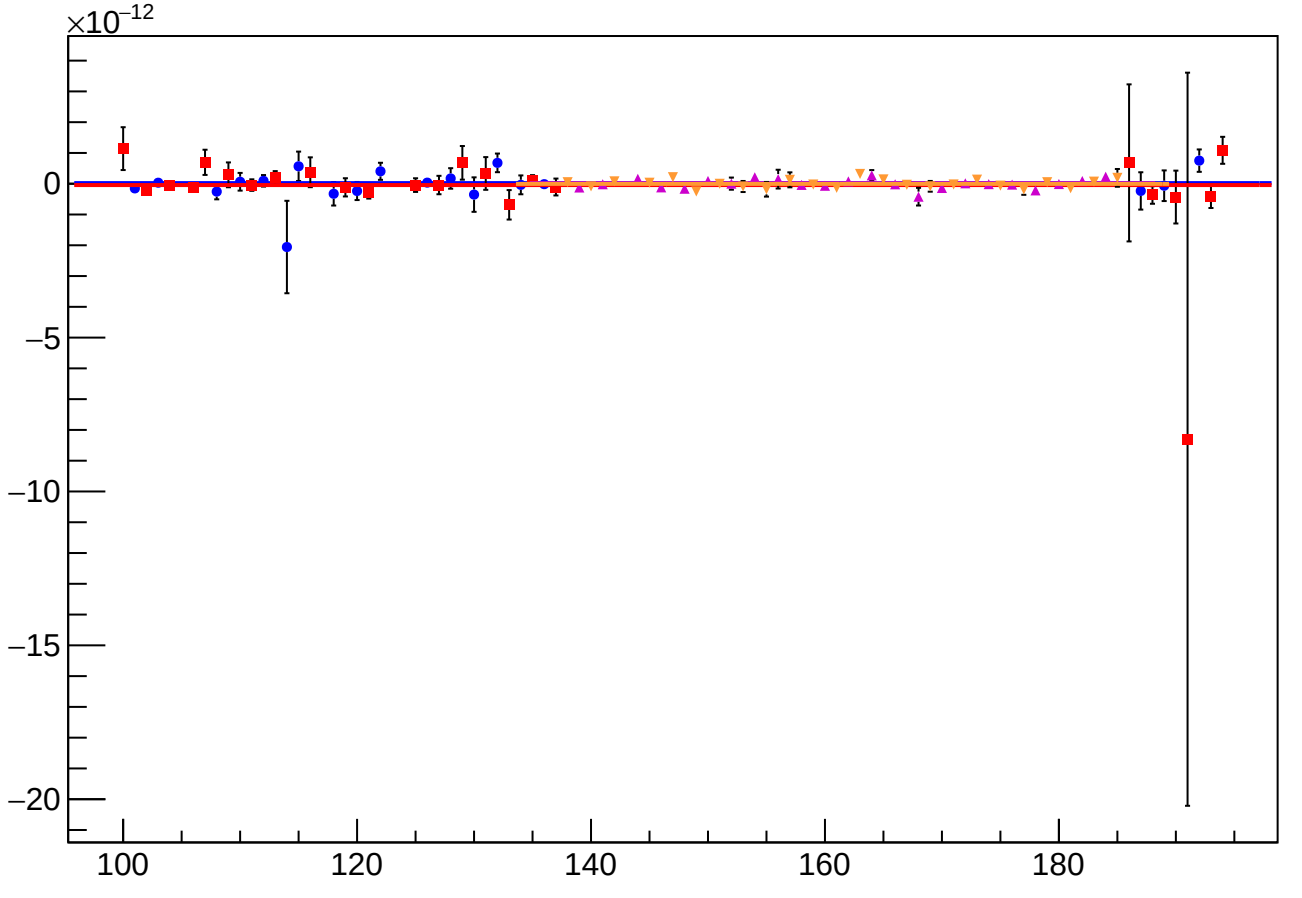
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 2781.109+/-0.463 χ^2/NDF: 3237511.1/42

In: 3487.149+/-0.491 χ^2/NDF:3717842.2/41

Out: 3344.196+/-0.460 χ^2/NDF:5506683.5/47

All: 3411.094+/-0.336 χ^2/NDF: 9269653.5/89



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/23

Left In: 0.000+/-0.000 χ^2/NDF:25.7/22

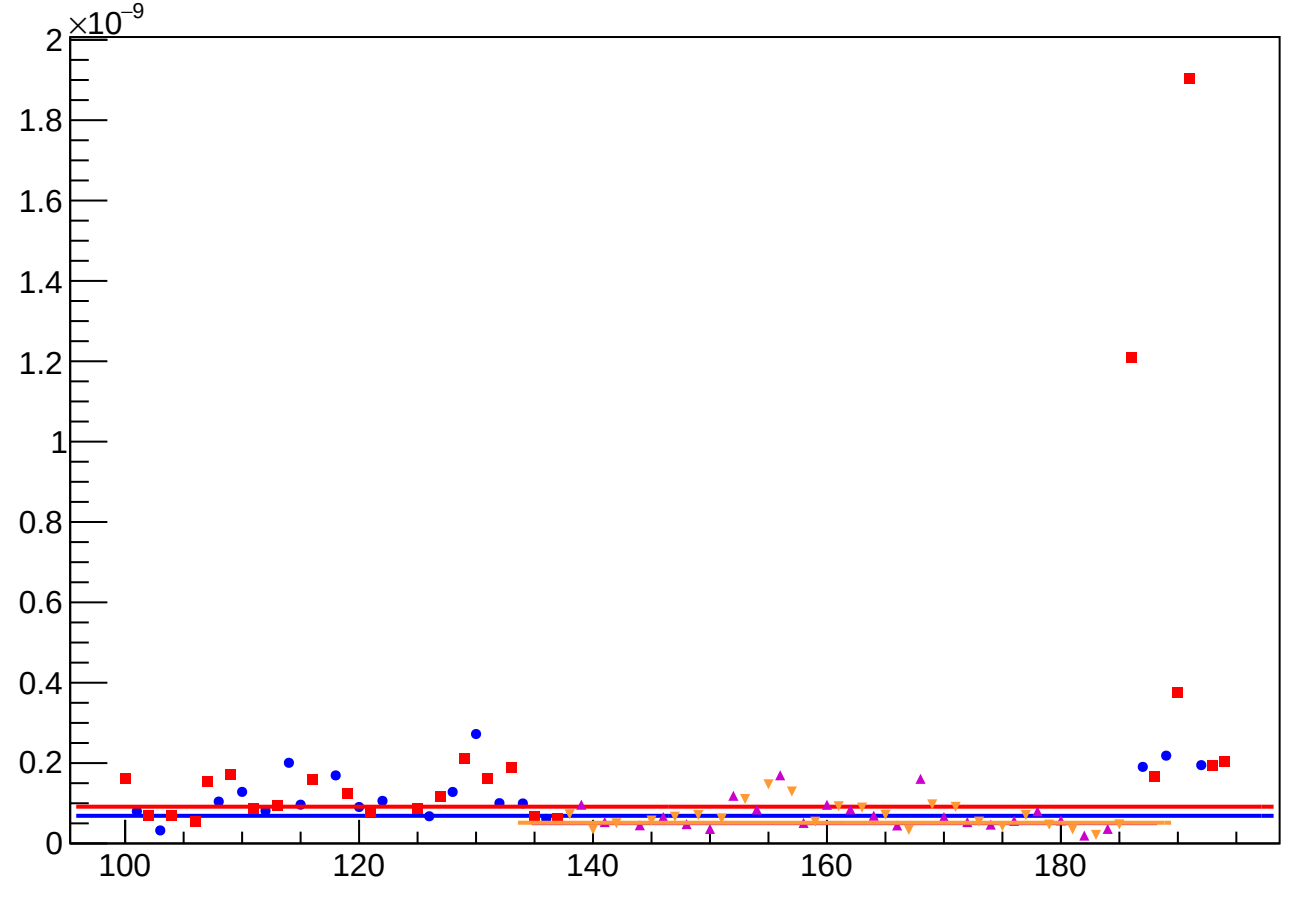
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 47.1/42

In: 0.000+/-0.000 χ^2/NDF:45.3/41

Out: -0.000+/-0.000 χ^2/NDF:51.2/47

All: 0.000+/-0.000 χ^2/NDF: 97.6/89



Right In: 0.000+/-0.000 χ^2/NDF: 1738102.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1792711.1/23

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

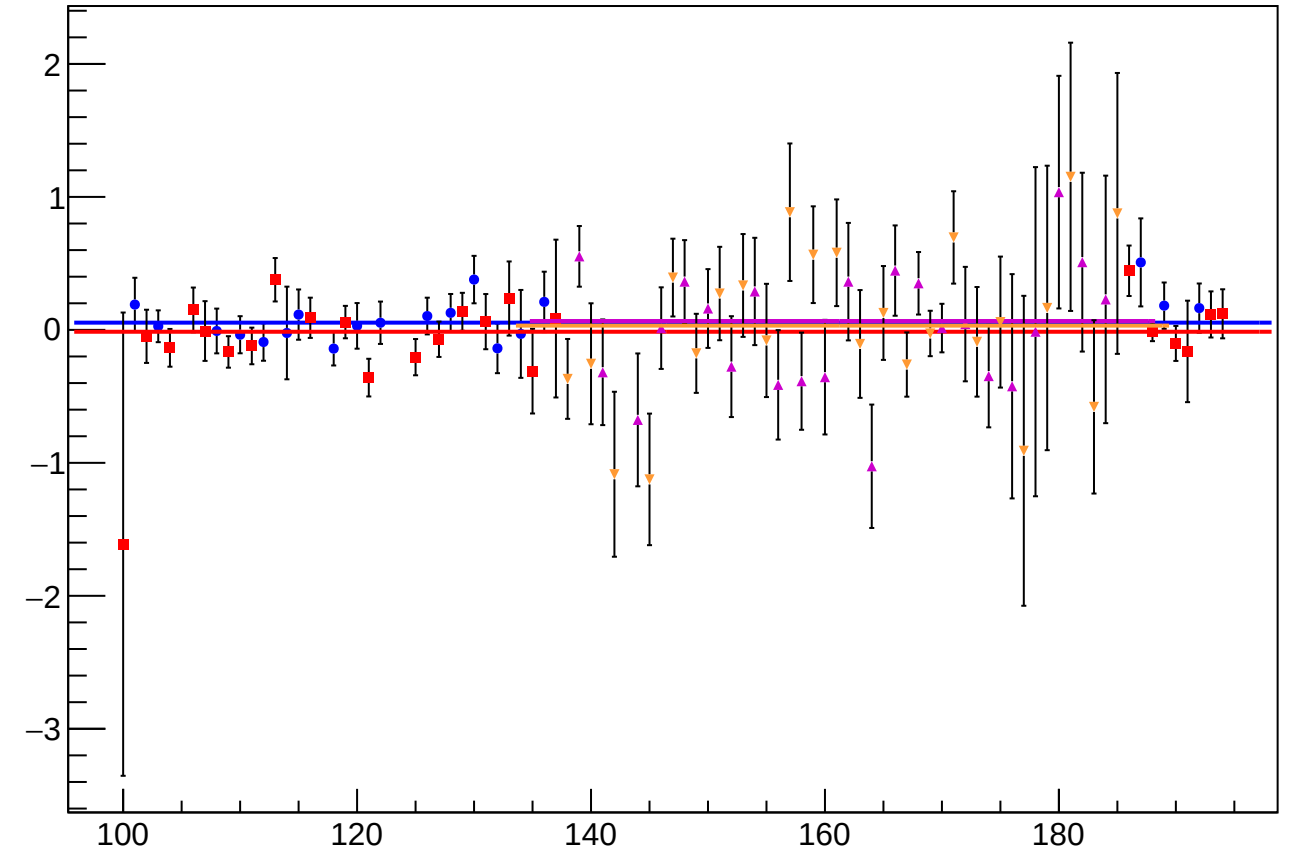
Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

Right: 0.000+/-0.000 χ^2/NDF: 3758273.1/42

In: 0.000+/-0.000 χ^2/NDF:4452674.4/41

Out: 0.000+/-0.000 χ^2/NDF:5075678.4/47

All: 0.000+/-0.000 χ^2/NDF: 9560942.8/89



Right In: 0.054+/-0.039 χ^2/NDF: 12.7/18

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.014+/-0.031 χ^2/NDF: 29.9/23

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

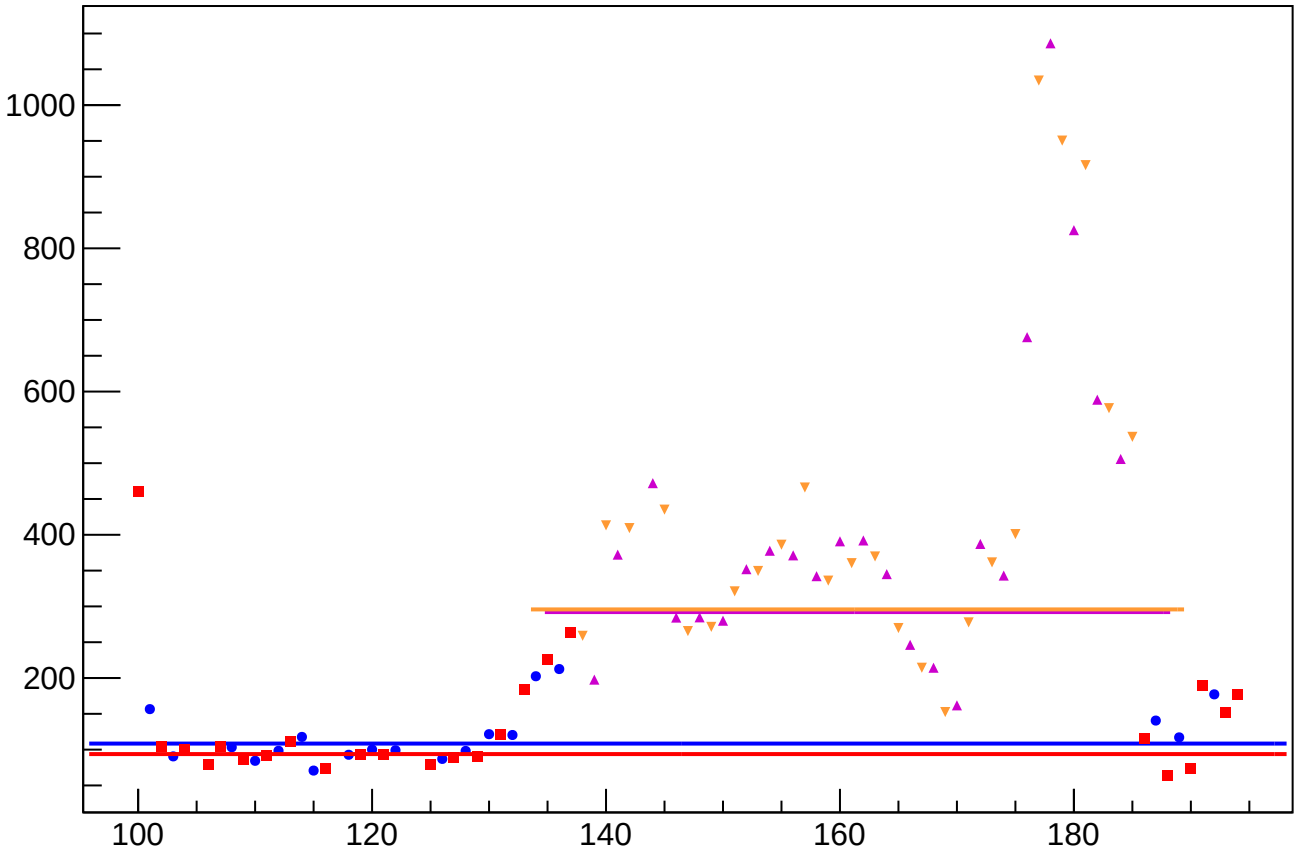
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.013+/-0.024 χ^2/NDF: 44.5/42

In: 0.057+/-0.034 χ^2/NDF:38.4/41

Out: -0.007+/-0.029 χ^2/NDF:60.0/47

All: 0.019+/-0.022 χ^2/NDF: 100.4/89



Right In: 108.457+/-0.027 χ^2/NDF: 1312459.7/18

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 93.793+/-0.022 χ^2/NDF: 2170469.3/23

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

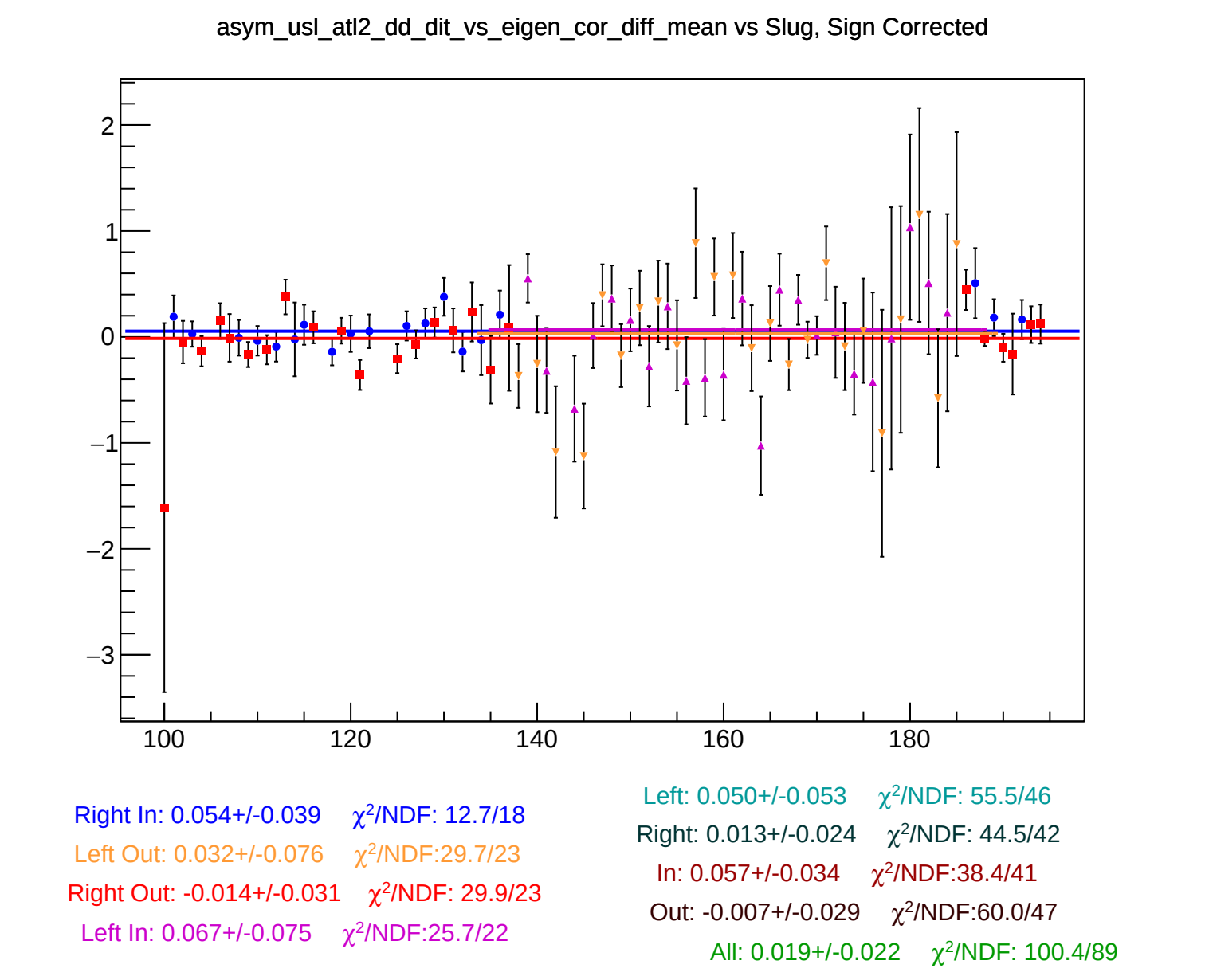
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 99.574+/-0.017 χ^2/NDF: 3656251.5/42

In: 147.409+/-0.024 χ^2/NDF:15886684.5/41

Out: 123.044+/-0.020 χ^2/NDF:19753464.4/47

All: 133.130+/-0.016 χ^2/NDF: 36227693.5/89


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
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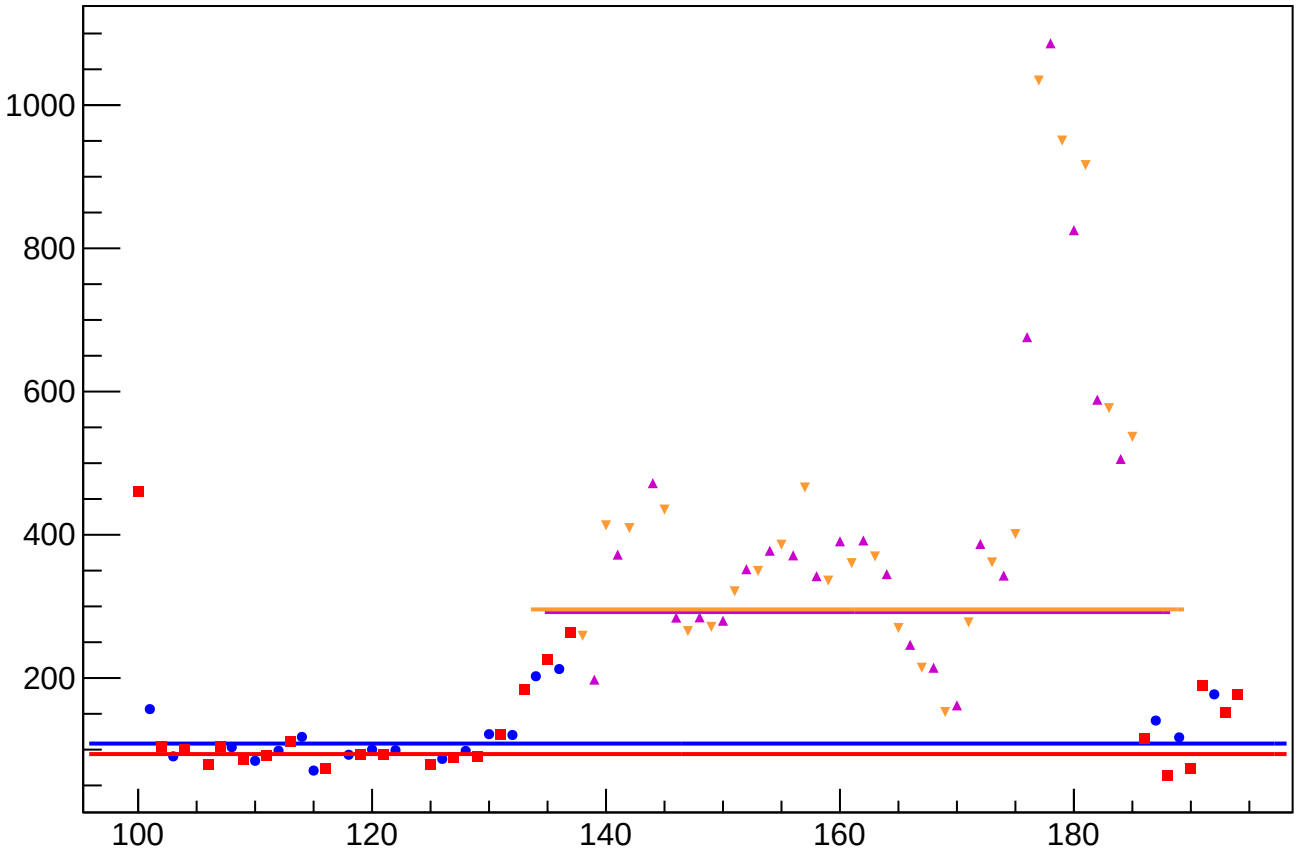
180
Right In: 0.054+/-0.039 χ²/NDF: 12.7/18
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: -0.014+/-0.031 χ²/NDF: 29.9/23
Left In: 0.067+/-0.075 χ²/NDF:25.7/22
Left: 0.050+/-0.053 χ²/NDF: 55.5/46
Right: 0.013+/-0.024 χ²/NDF: 44.5/42
In: 0.057+/-0.034 χ²/NDF:38.4/41
Out: -0.007+/-0.029 χ²/NDF:60.0/47
All: 0.019+/-0.022 χ²/NDF: 100.4/89



Right In: 108.457+/-0.027 χ^2/NDF: 1312459.7/18

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 93.793+/-0.022 χ^2/NDF: 2170469.3/23

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

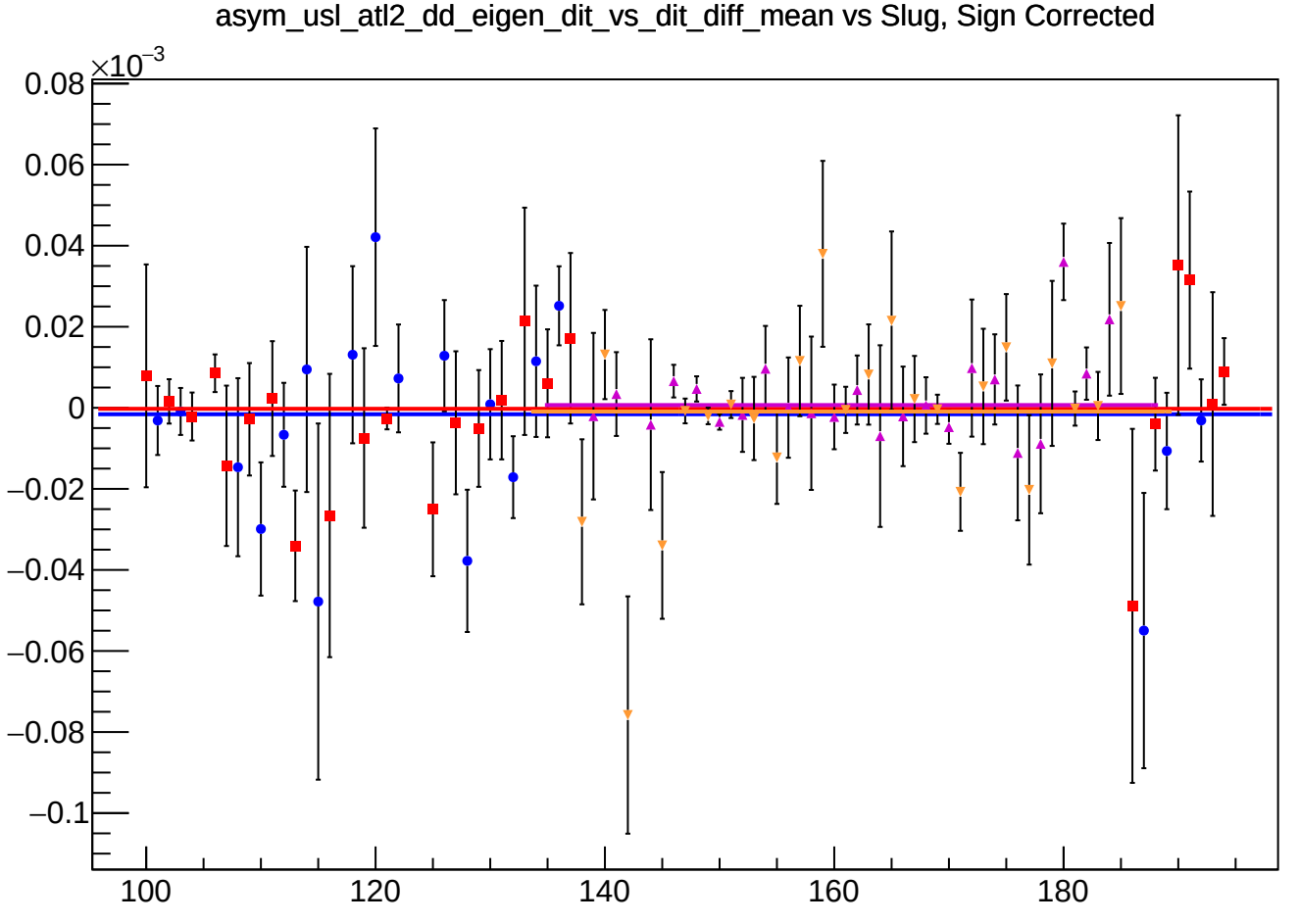
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 99.574+/-0.017 χ^2/NDF: 3656251.5/42

In: 147.409+/-0.024 χ^2/NDF:15886684.5/41

Out: 123.044+/-0.020 χ^2/NDF:19753464.4/47

All: 133.130+/-0.016 χ^2/NDF: 36227693.5/89



Right In: -0.000+/-0.000 χ^2/NDF: 27.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/23

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

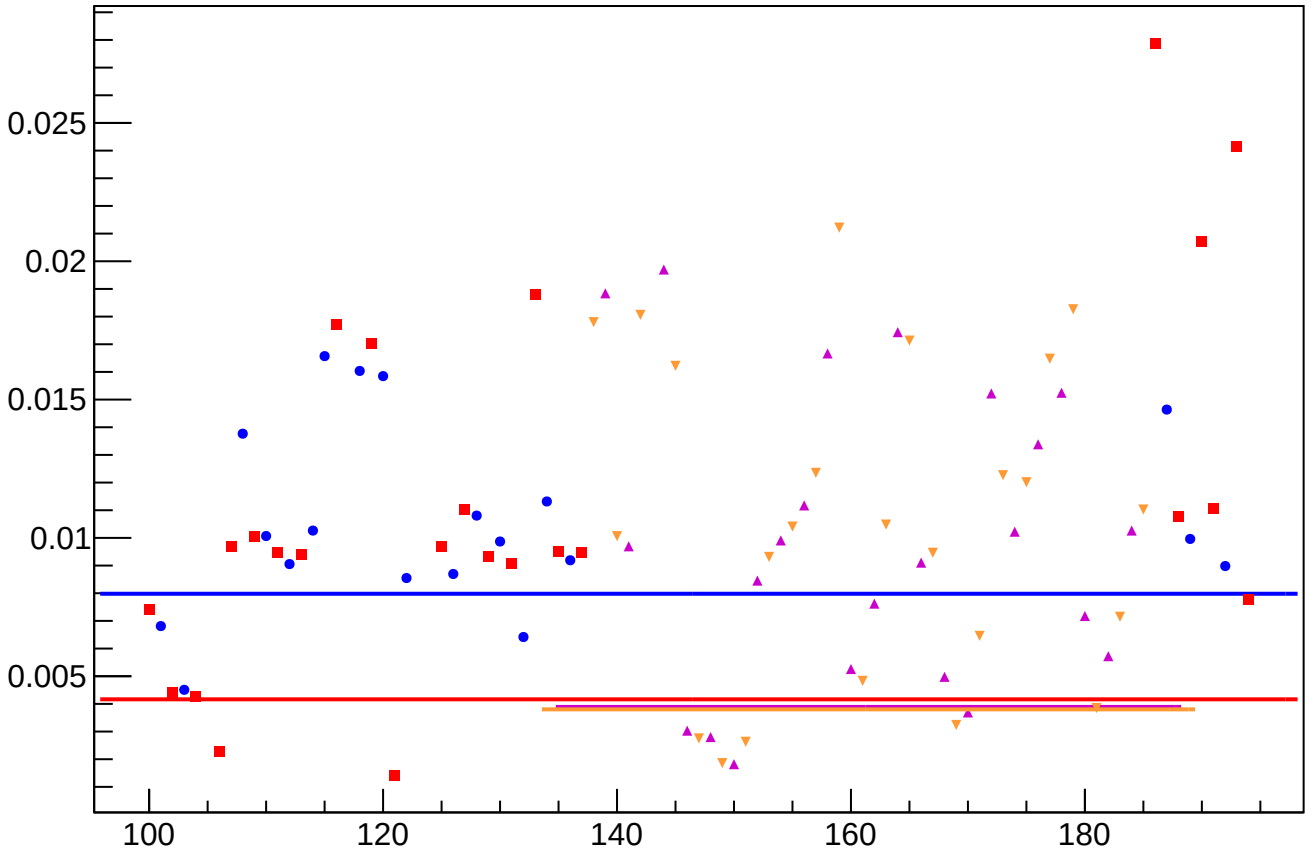
Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

Right: -0.000+/-0.000 χ^2/NDF: 48.7/42

In: 0.000+/-0.000 χ^2/NDF:57.3/41

Out: -0.000+/-0.000 χ^2/NDF:50.8/47

All: -0.000+/-0.000 χ^2/NDF: 108.6/89



Right In: 0.008+/-0.000 χ^2/NDF: 1848108.9/18

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.004+/-0.000 χ^2/NDF: 9844888.0/23

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

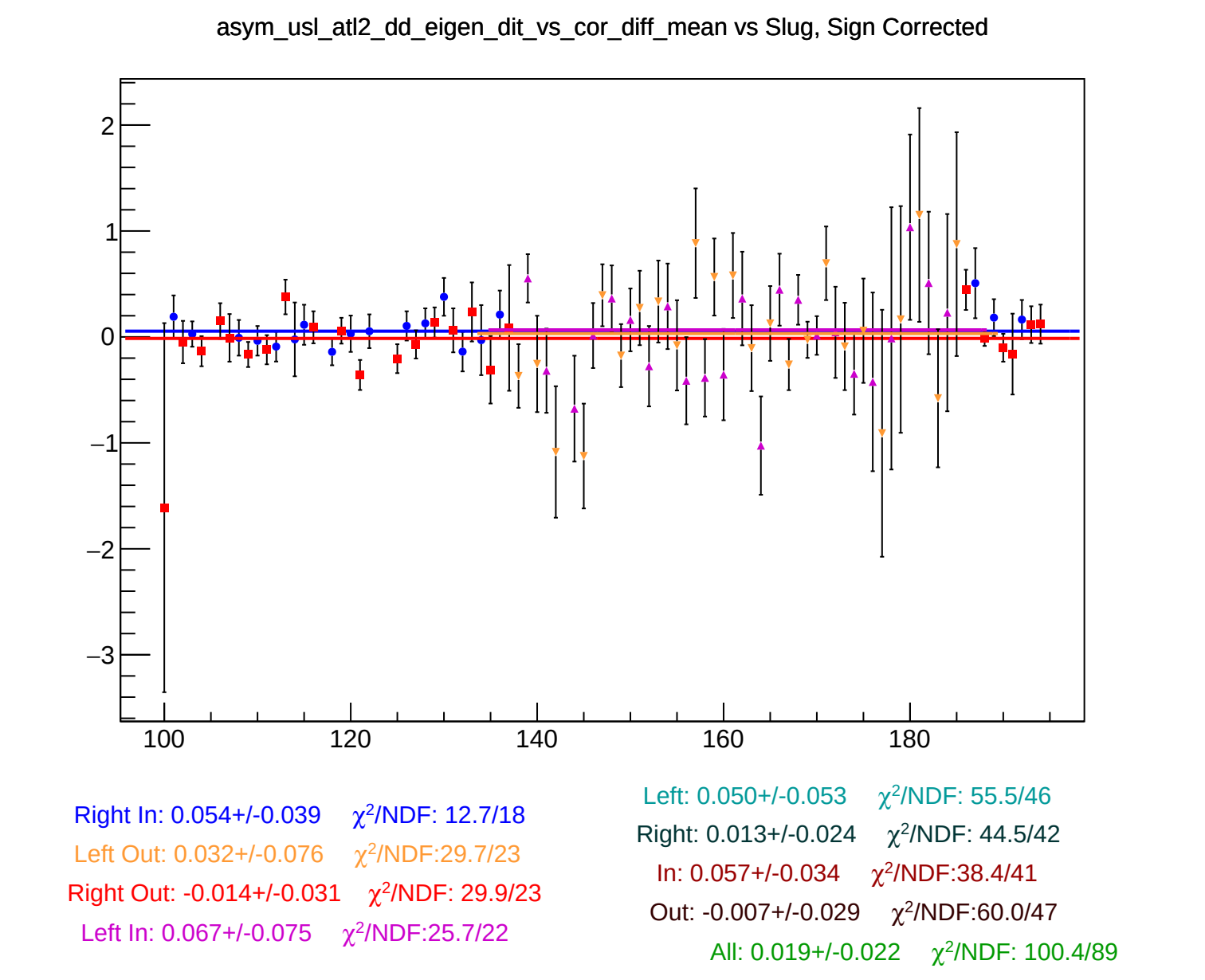
Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

Right: 0.005+/-0.000 χ^2/NDF: 14218969.1/42

In: 0.005+/-0.000 χ^2/NDF:18735302.4/41

Out: 0.004+/-0.000 χ^2/NDF:24528046.6/47

All: 0.004+/-0.000 χ^2/NDF: 43583053.6/89


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
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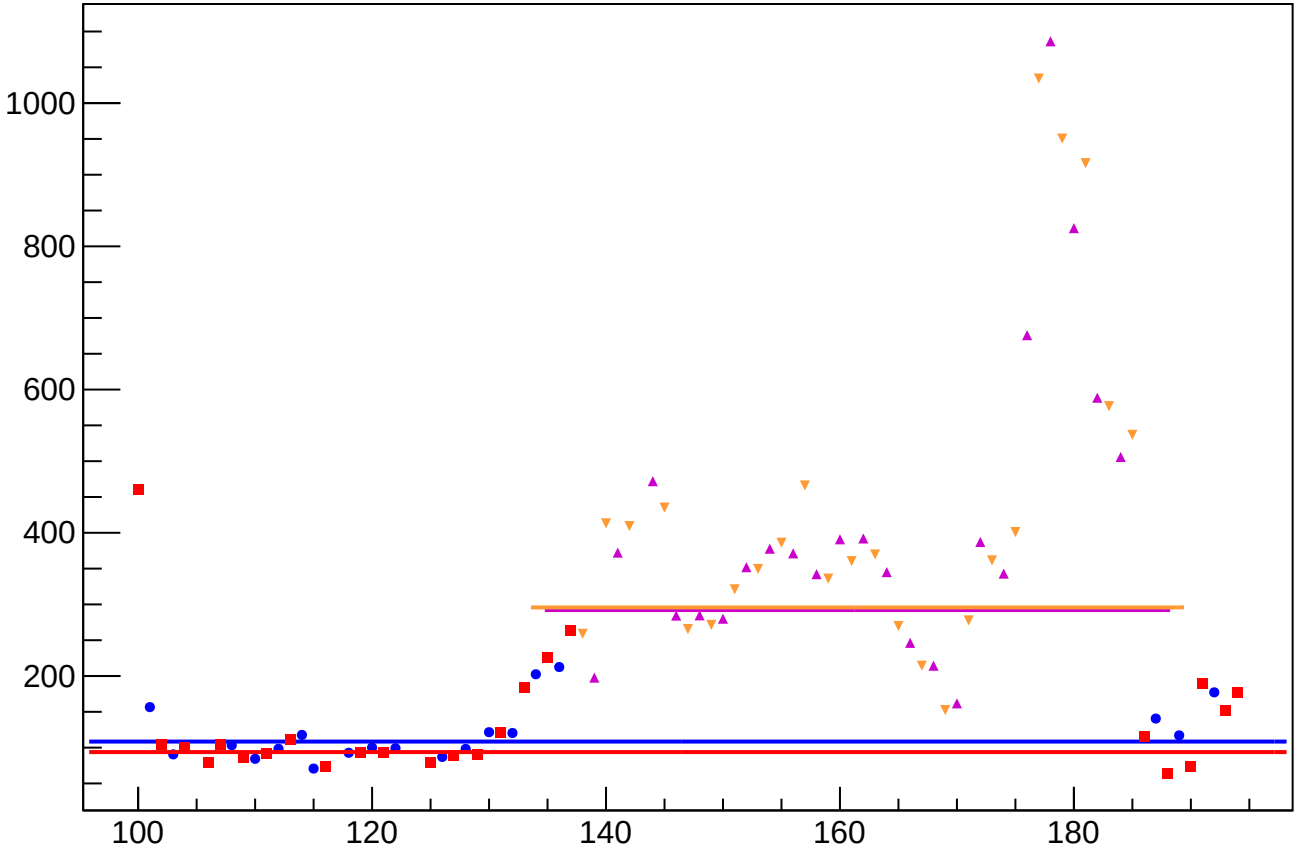
100
120
140
160
180
Right In: 0.054+/-0.039 χ²/NDF: 12.7/18
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: -0.014+/-0.031 χ²/NDF: 29.9/23
Left In: 0.067+/-0.075 χ²/NDF:25.7/22
Left: 0.050+/-0.053 χ²/NDF: 55.5/46
Right: 0.013+/-0.024 χ²/NDF: 44.5/42
In: 0.057+/-0.034 χ²/NDF:38.4/41
Out: -0.007+/-0.029 χ²/NDF:60.0/47
All: 0.019+/-0.022 χ²/NDF: 100.4/89

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 108.457+/-0.027 χ^2/NDF: 1312391.8/18

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 93.792+/-0.022 χ^2/NDF: 2170554.4/23

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

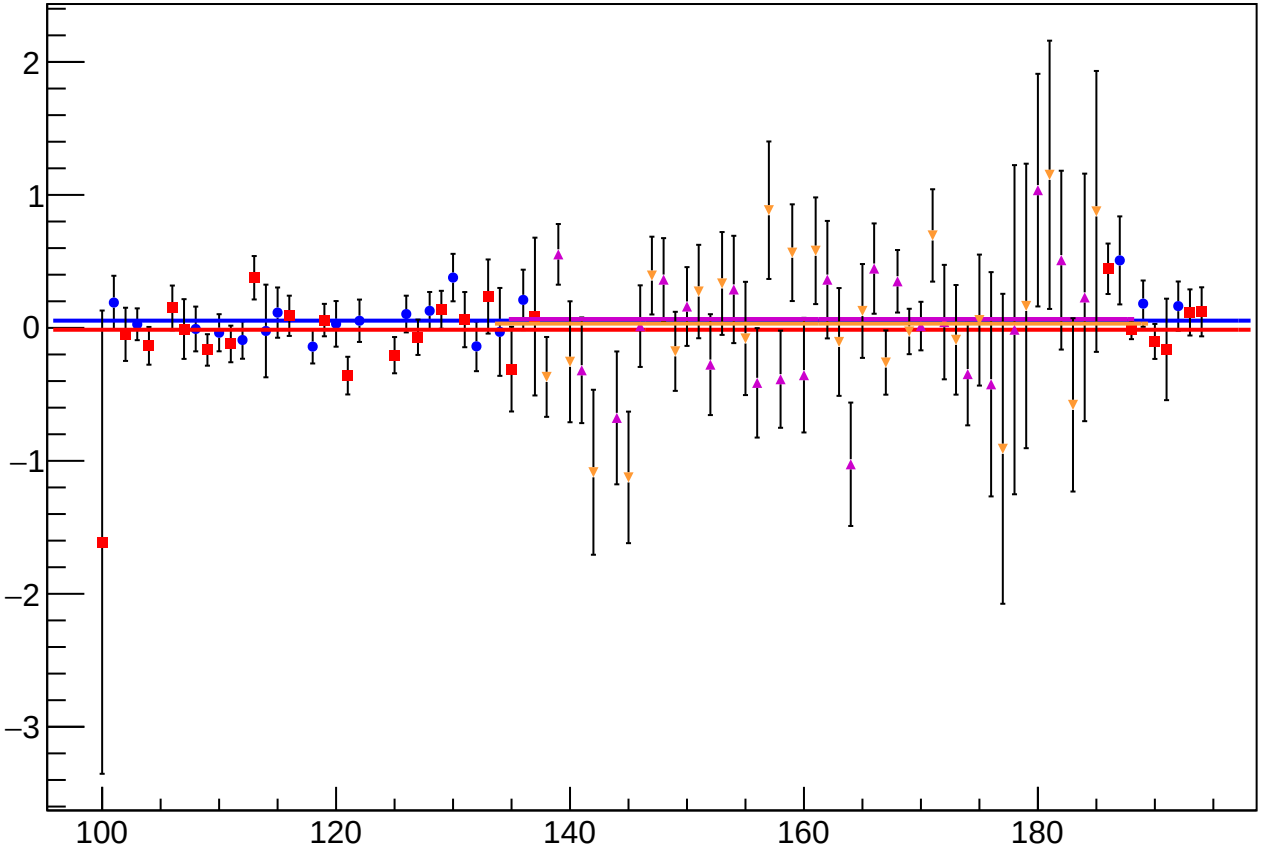
Right: 99.573+/-0.017 χ^2/NDF: 3656314.9/42

In: 147.409+/-0.024 χ^2/NDF:15886694.8/41

Out: 123.042+/-0.020 χ^2/NDF:19753897.7/47

All: 133.129+/-0.016 χ^2/NDF: 36228260.4/89

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.054+/-0.039 χ^2/NDF: 12.7/18

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.014+/-0.031 χ^2/NDF: 29.9/23

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

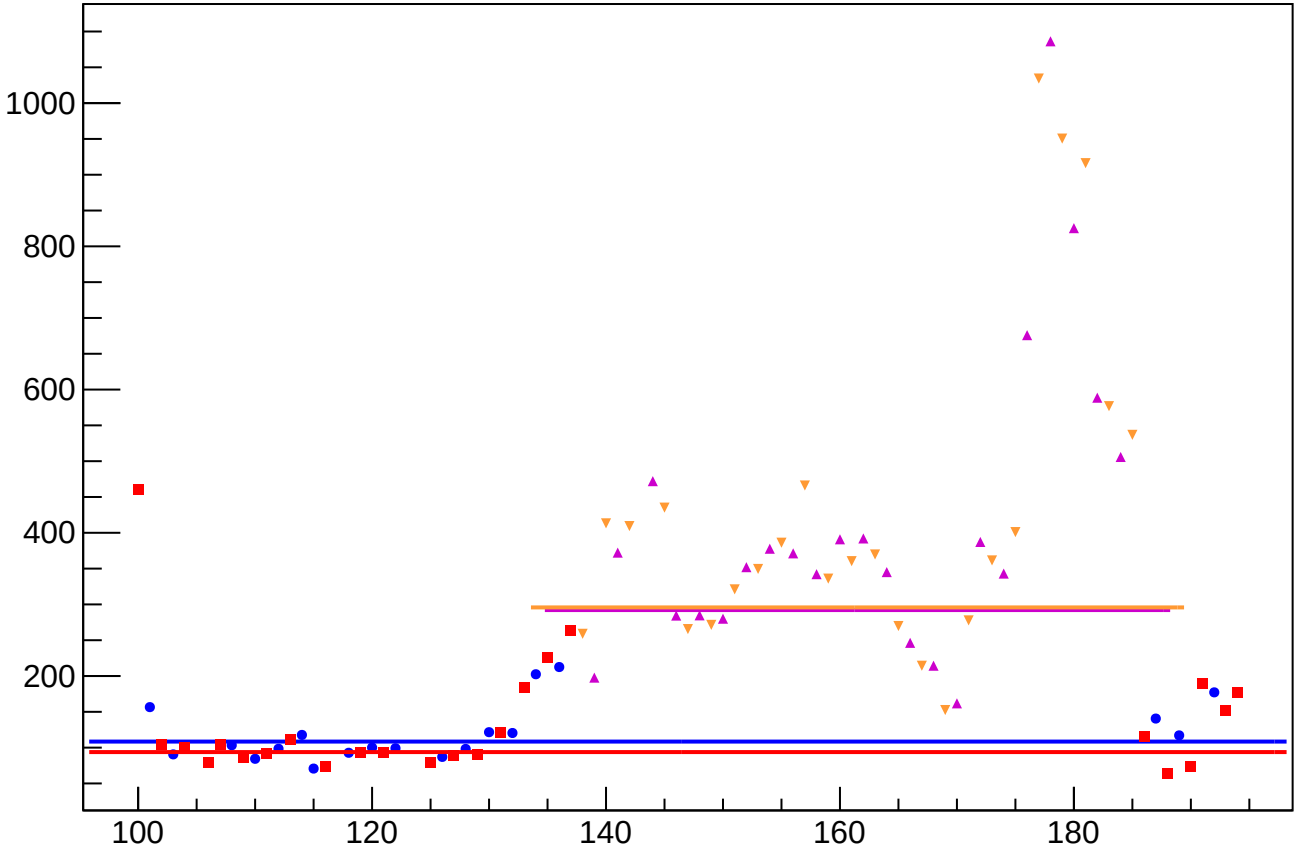
Right: 0.013+/-0.024 χ^2/NDF: 44.5/42

In: 0.057+/-0.034 χ^2/NDF:38.4/41

Out: -0.007+/-0.029 χ^2/NDF:60.0/47

All: 0.019+/-0.022 χ^2/NDF: 100.4/89

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 108.457+/-0.027 χ^2/NDF: 1312391.8/18

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 93.792+/-0.022 χ^2/NDF: 2170554.4/23

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

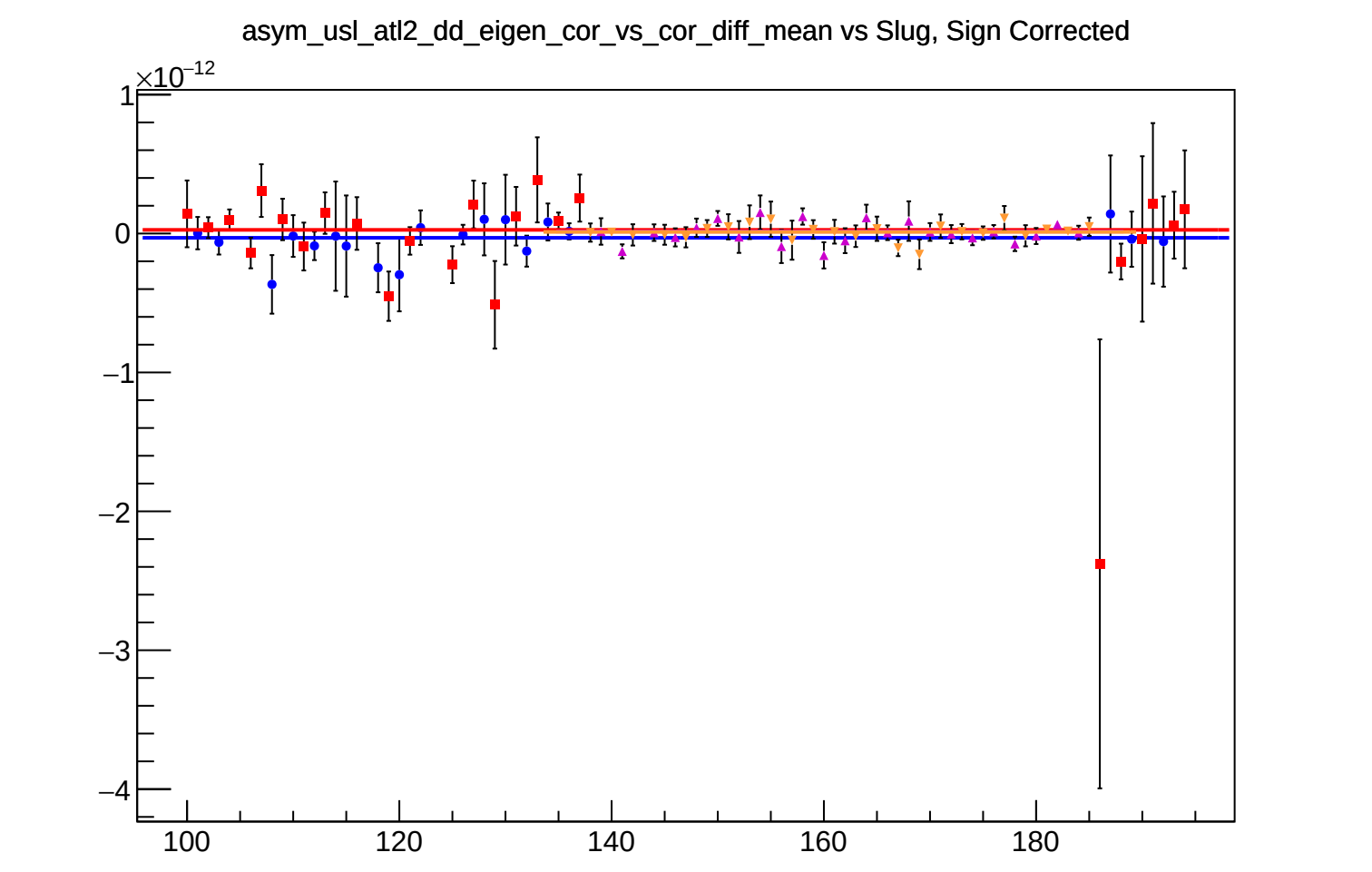
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

Right: 99.573+/-0.017 χ^2/NDF: 3656314.9/42

In: 147.409+/-0.024 χ^2/NDF:15886694.8/41

Out: 123.042+/-0.020 χ^2/NDF:19753897.7/47

All: 133.129+/-0.016 χ^2/NDF: 36228260.4/89



Right In: -0.000+/-0.000 χ^2/NDF: 8.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/23

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: 0.000+/-0.000 χ^2/NDF: 41.5/46

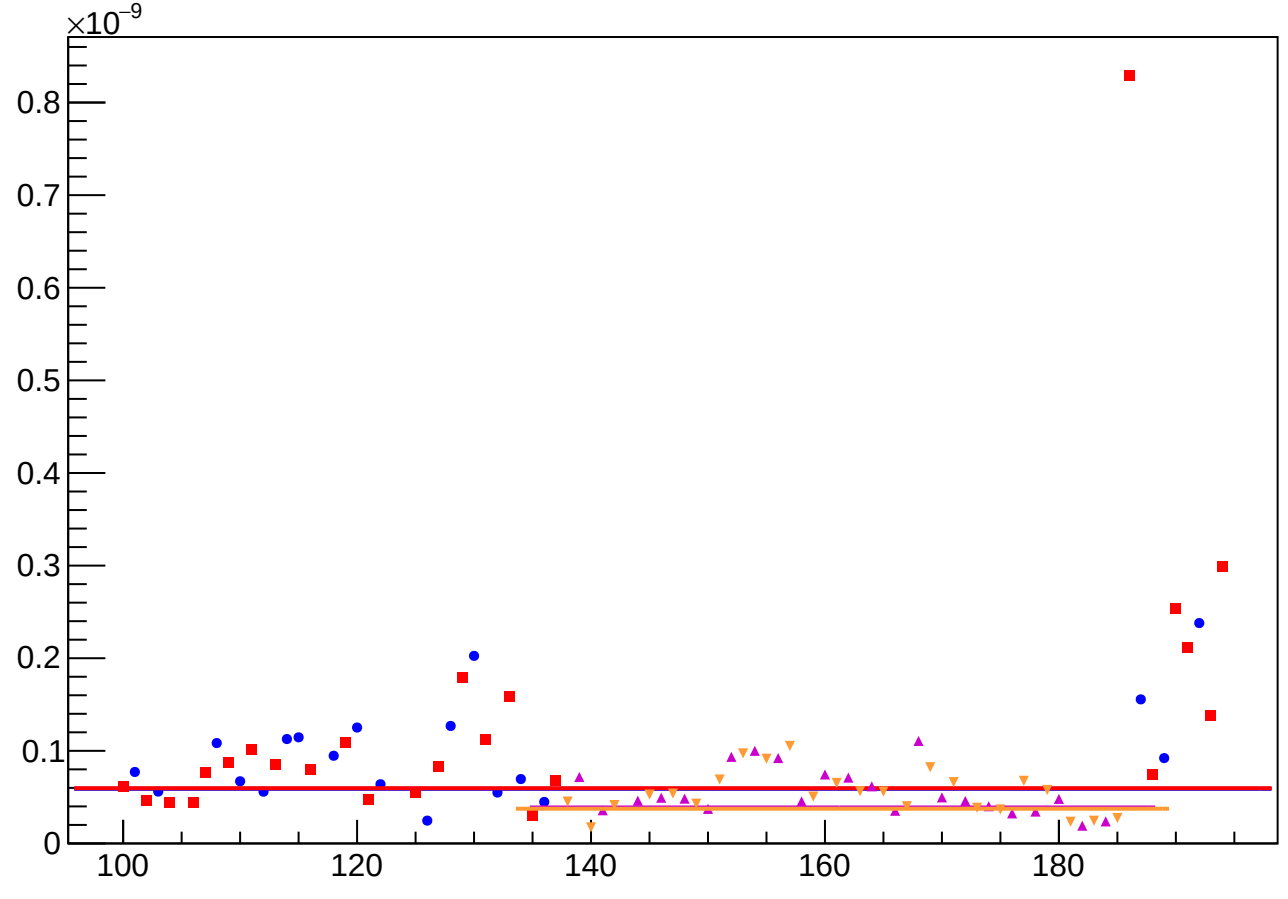
Right: -0.000+/-0.000 χ^2/NDF: 43.6/42

In: 0.000+/-0.000 χ^2/NDF:41.7/41

Out: 0.000+/-0.000 χ^2/NDF:43.7/47

All: 0.000+/-0.000 χ^2/NDF: 85.5/89

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2366462.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3484530.2/23

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

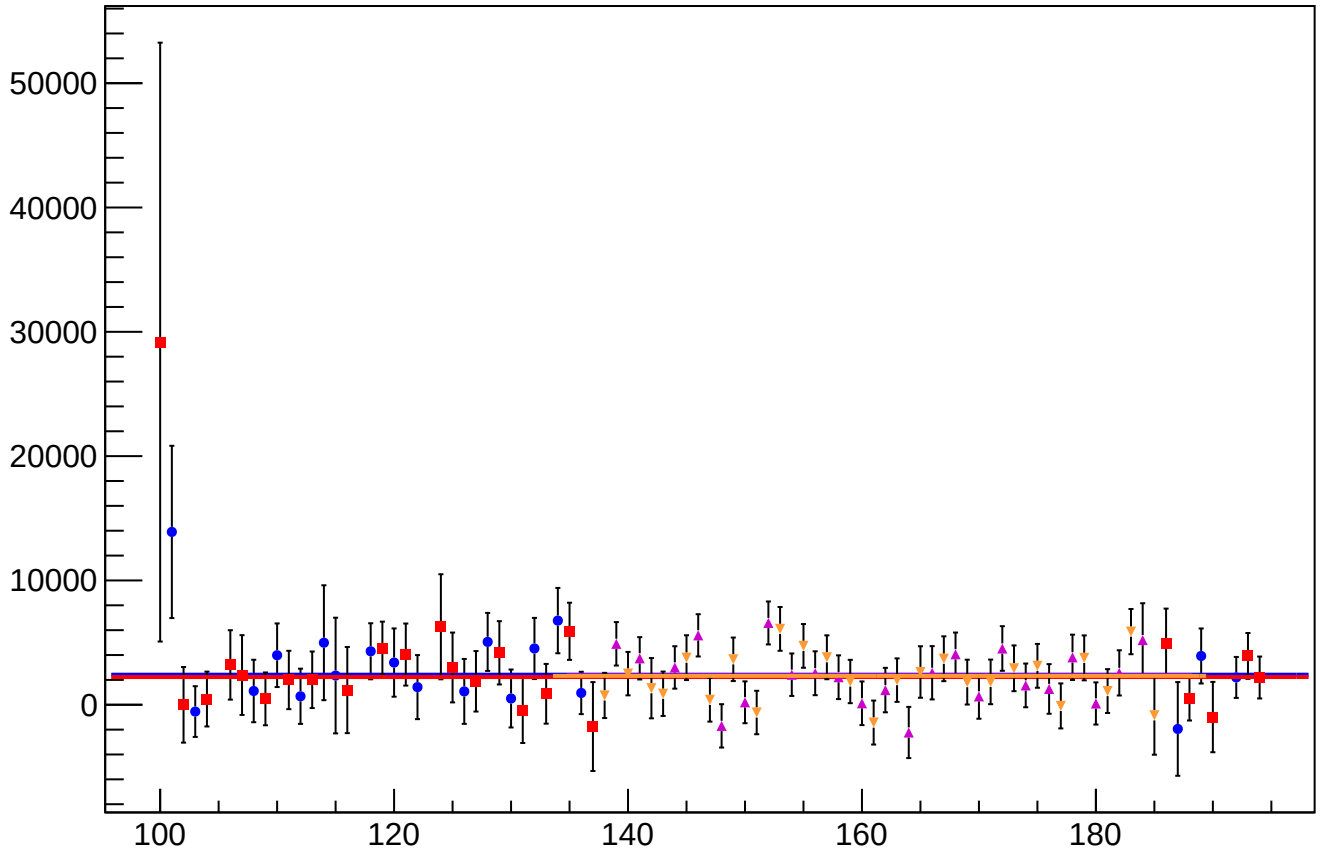
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 5851472.1/42

In: 0.000+/-0.000 χ^2/NDF:7766222.1/41

Out: 0.000+/-0.000 χ^2/NDF:9541839.2/47

All: 0.000+/-0.000 χ^2/NDF: 17314141.5/89



Right In: 2418.104+/-562.479 χ^2/NDF: 15.7/18

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: 2230.424+/-504.674 χ^2/NDF: 16.0/23

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

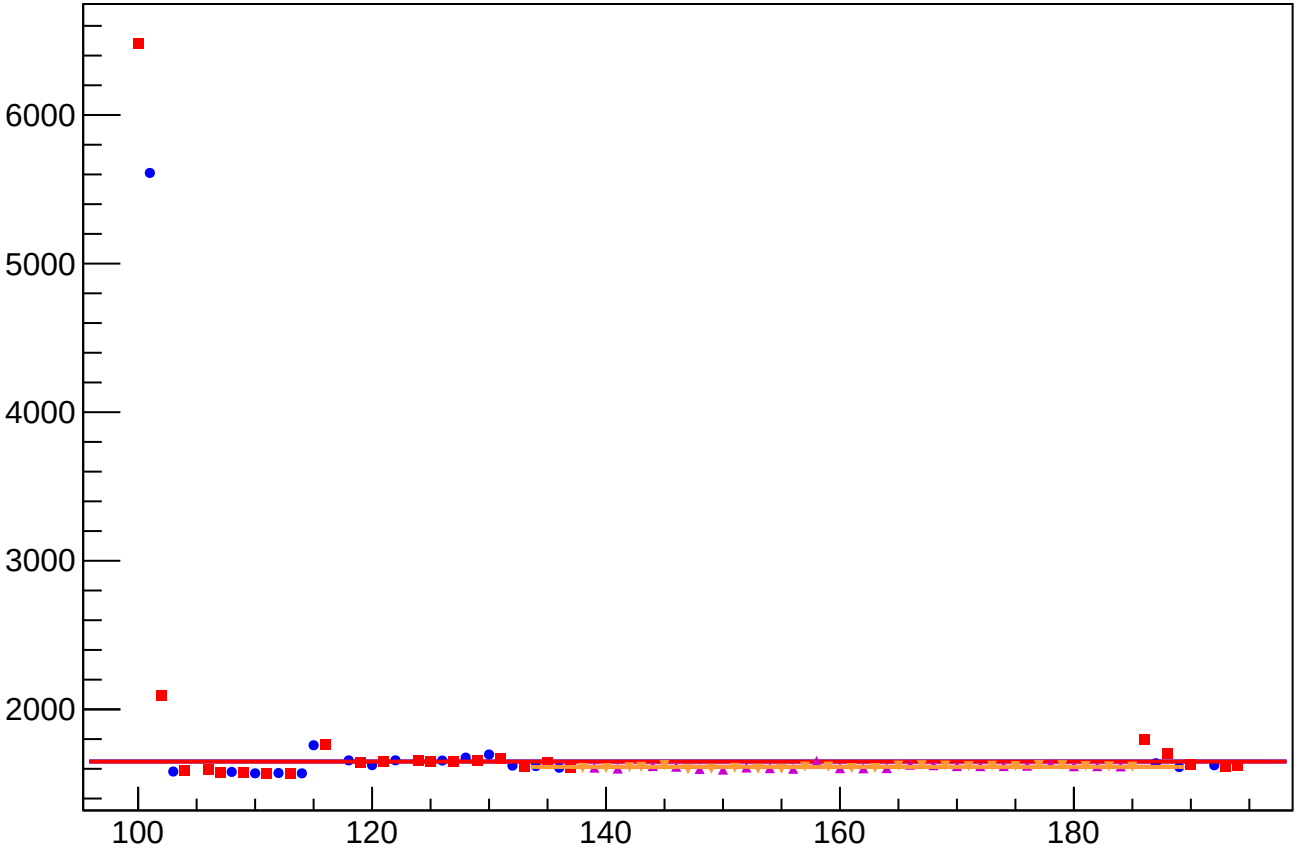
Right: 2314.127+/-375.638 χ^2/NDF: 31.7/42

In: 2385.334+/-313.048 χ^2/NDF:49.4/41

Out: 2289.791+/-296.446 χ^2/NDF:43.5/48

All: 2334.962+/-215.249 χ^2/NDF: 92.9/90

reg_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1649.537+/-0.398 χ^2/NDF: 667569.2/18

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1648.603+/-0.357 χ^2/NDF: 145631.0/23

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

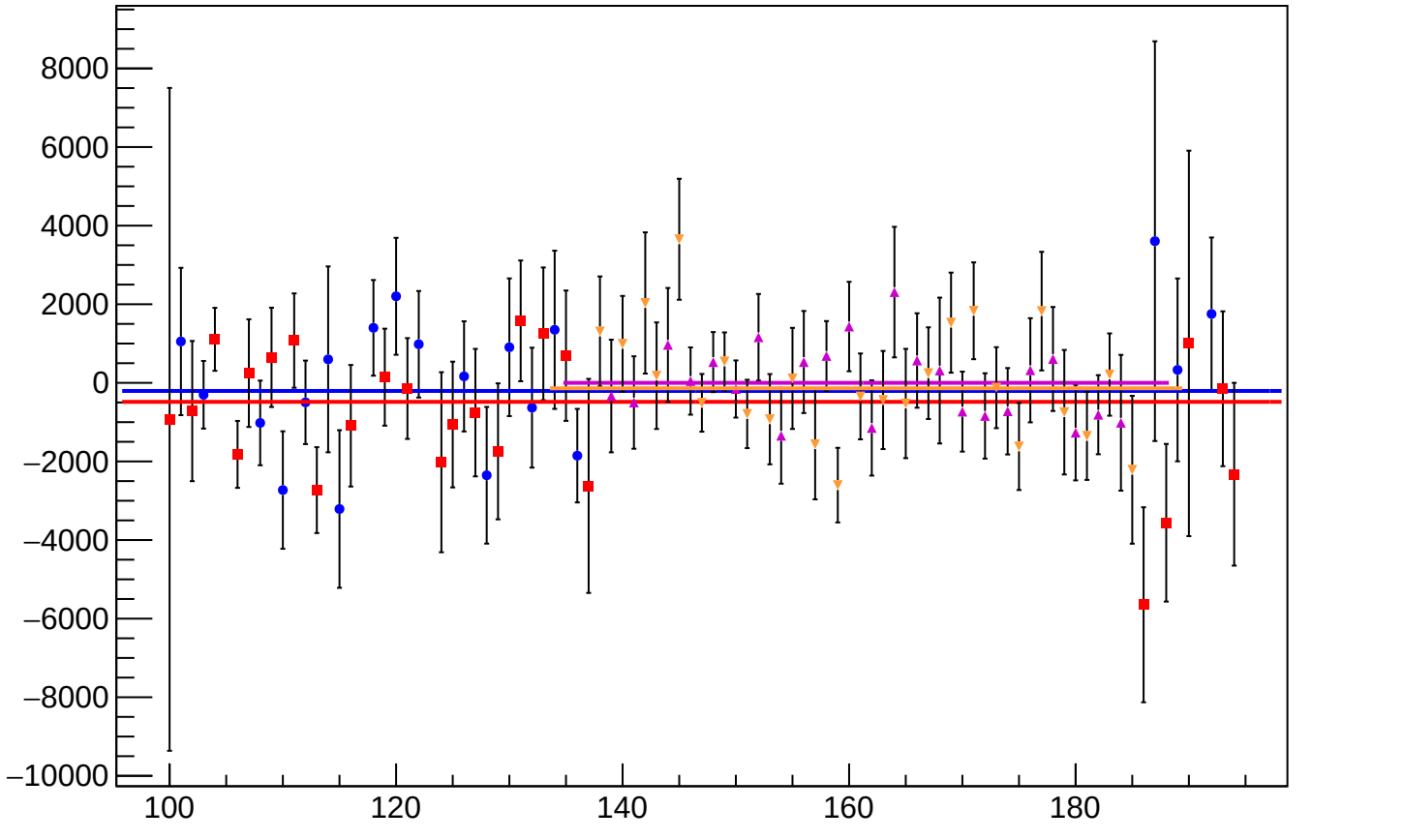
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

Right: 1649.019+/-0.266 χ^2/NDF: 813203.3/42

In: 1624.865+/-0.221 χ^2/NDF:675498.5/41

Out: 1625.027+/-0.210 χ^2/NDF:153467.2/48

All: 1624.950+/-0.152 χ^2/NDF: 828966.0/90


asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected
8000
6000
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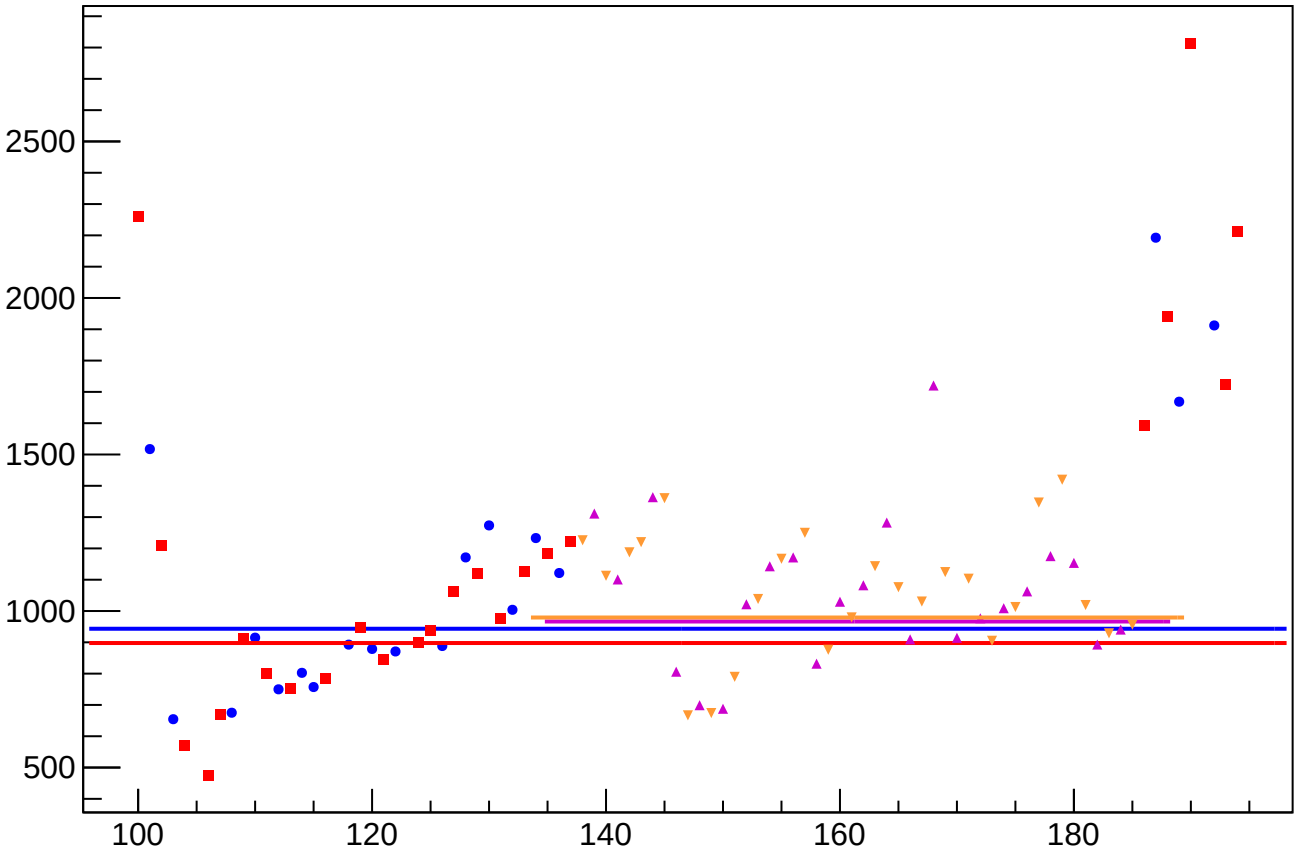
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
Right In: -206.268+/-333.961 χ²/NDF: 17.7/18
Left Out: -139.022+/-229.126 χ²/NDF:30.2/24
Right Out: -483.639+/-300.096 χ²/NDF: 26.5/23
Left In: -0.092+/-231.903 χ²/NDF:12.9/22
Left: -70.394+/-162.990 χ²/NDF: 43.2/47
Right: -359.726+/-223.215 χ²/NDF: 44.5/42
In: -67.166+/-190.482 χ²/NDF:30.8/41
Out: -265.933+/-182.113 χ²/NDF:57.4/48
All: -171.012+/-131.633 χ²/NDF: 88.8/90



Right In: 943.361+/-0.236 χ^2/NDF: 1650890.8/18

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 897.769+/-0.212 χ^2/NDF: 3240859.1/23

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

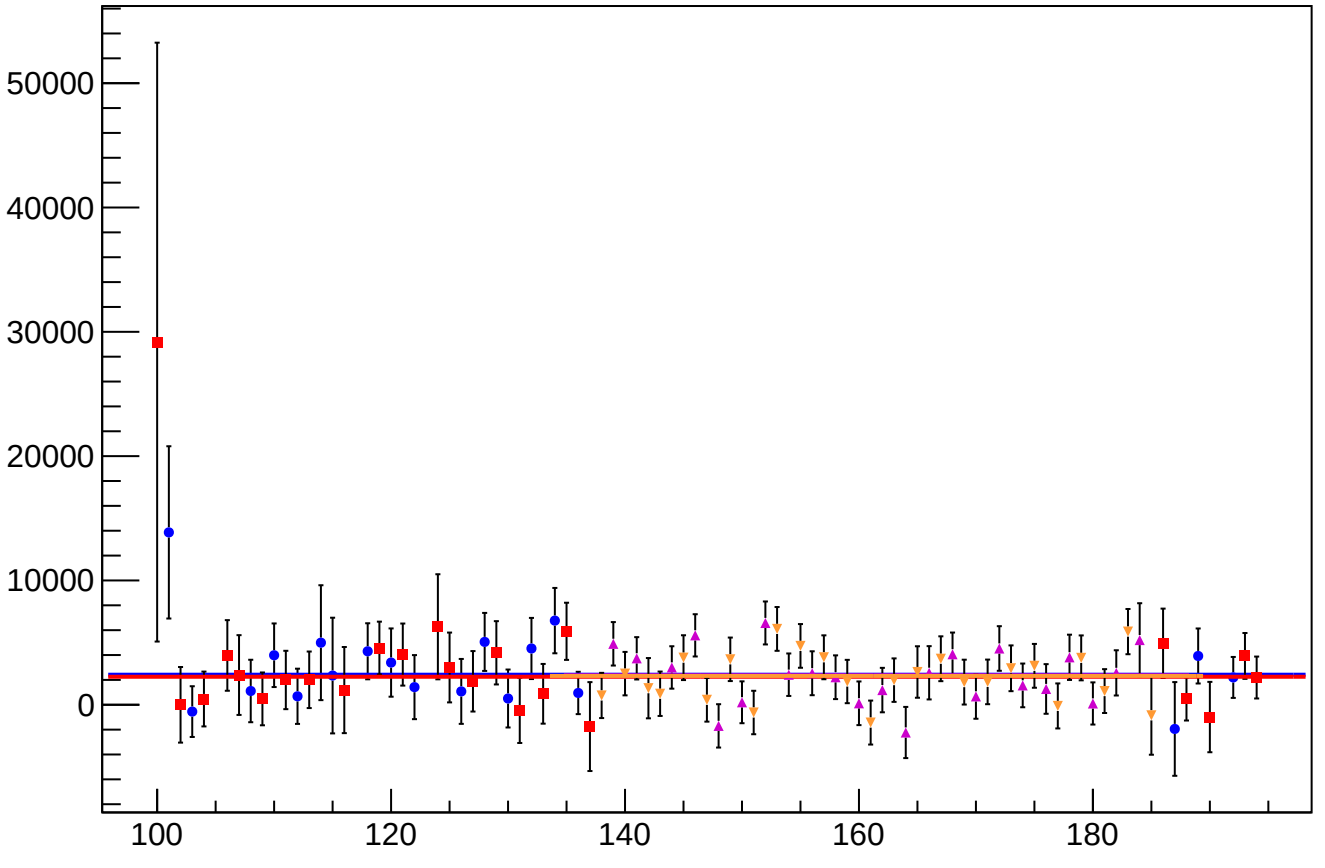
Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

Right: 918.137+/-0.158 χ^2/NDF: 4912372.0/42

In: 958.990+/-0.135 χ^2/NDF:3259979.4/41

Out: 949.271+/-0.129 χ^2/NDF:4964727.5/48

All: 953.912+/-0.093 χ^2/NDF: 8227426.9/90



Right In: 2417.658+/-562.479 χ^2/NDF: 15.6/18

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2253.639+/-504.958 χ^2/NDF: 16.2/23

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

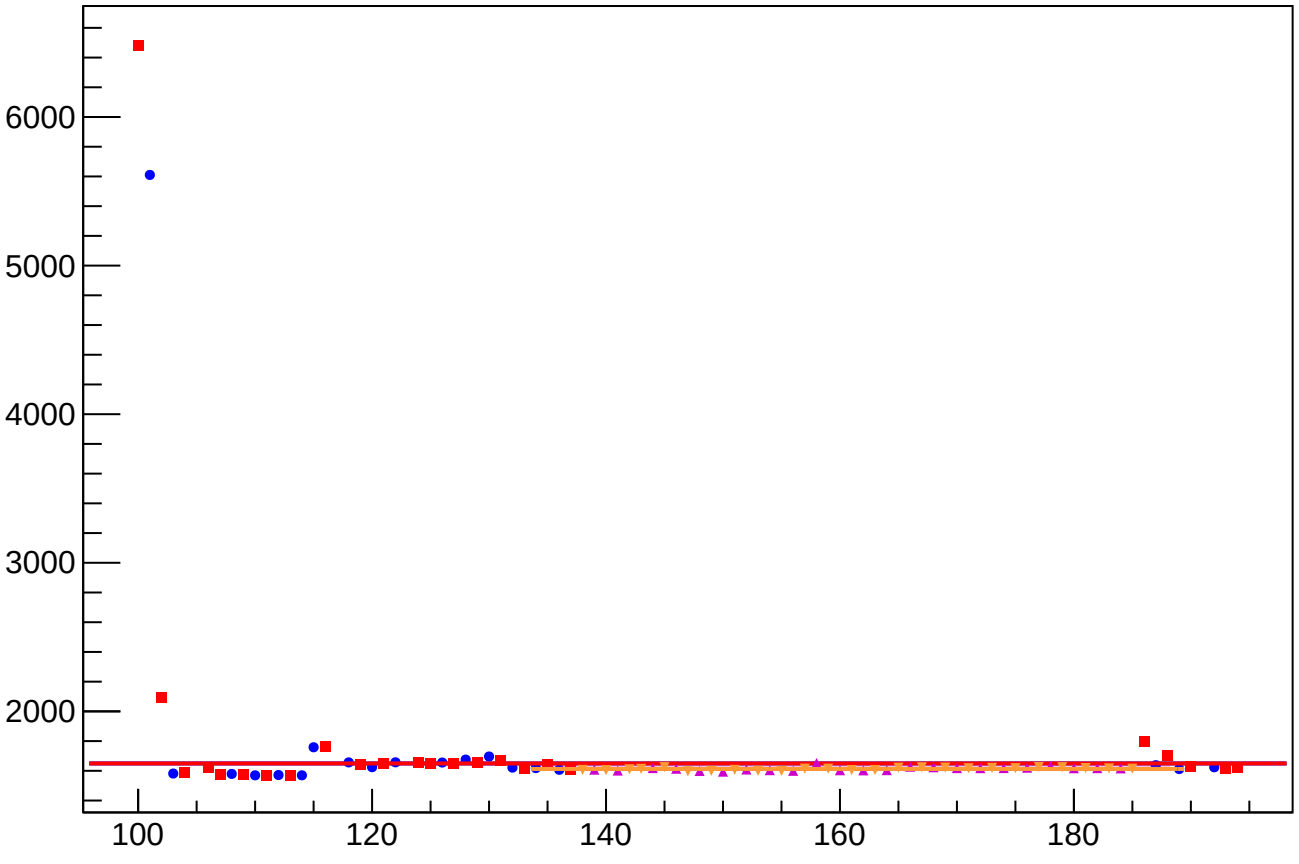
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2326.836+/-375.755 χ^2/NDF: 31.9/42

In: 2385.245+/-313.048 χ^2/NDF:49.4/41

Out: 2297.791+/-296.504 χ^2/NDF:43.7/48

All: 2339.146+/-215.271 χ^2/NDF: 93.2/90



Right In: 1649.537+/-0.398 χ^2/NDF: 667568.8/18

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1649.502+/-0.357 χ^2/NDF: 145046.3/23

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

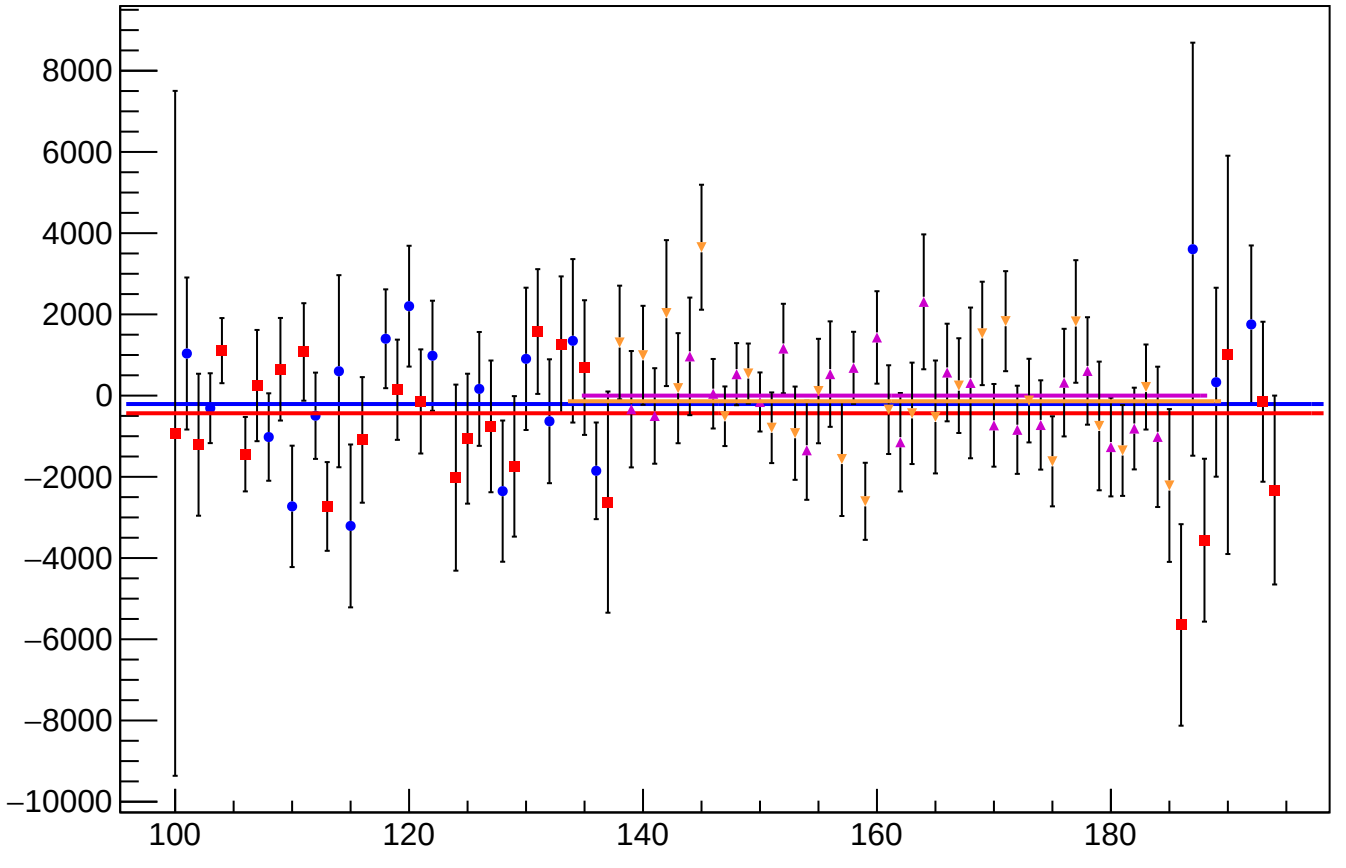
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1649.517+/-0.266 χ^2/NDF: 812615.0/42

In: 1624.865+/-0.221 χ^2/NDF:675498.0/41

Out: 1625.328+/-0.210 χ^2/NDF:153214.5/48

All: 1625.109+/-0.152 χ^2/NDF: 828714.8/90



Right In: -207.562+/-333.919 χ^2/NDF: 17.6/18

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -434.712+/-302.537 χ^2/NDF: 25.2/23

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

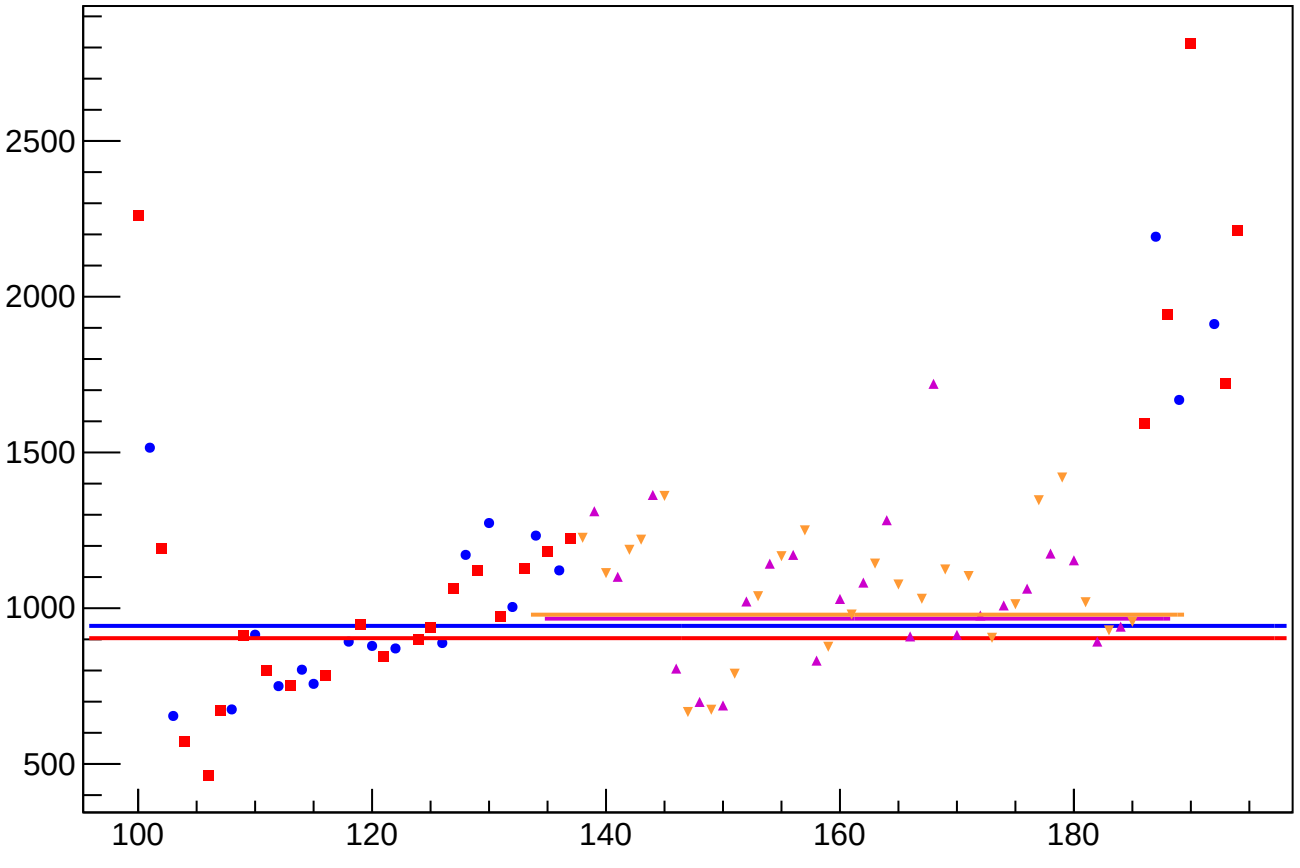
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -332.310+/-224.202 χ^2/NDF: 43.1/42

In: -67.582+/-190.475 χ^2/NDF:30.8/41

Out: -246.835+/-182.654 χ^2/NDF:56.0/48

All: -160.964+/-131.834 χ^2/NDF: 87.2/90



Right In: 943.253+/-0.236 χ^2/NDF: 1650842.7/18

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 903.811+/-0.214 χ^2/NDF: 3189039.9/23

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

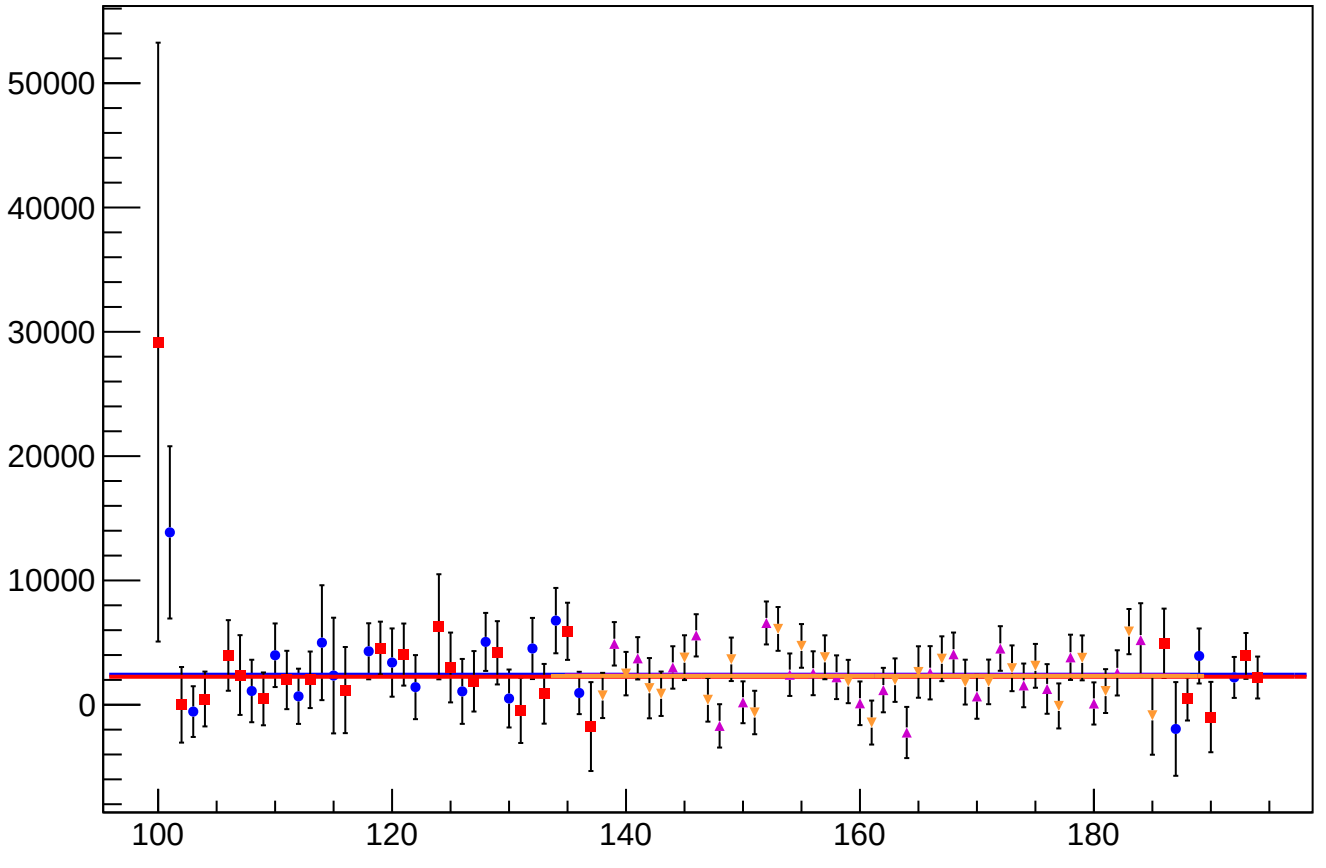
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 921.592+/-0.159 χ^2/NDF: 4855207.2/42

In: 958.957+/-0.135 χ^2/NDF:3259961.8/41

Out: 951.777+/-0.129 χ^2/NDF:4898878.7/48

All: 955.216+/-0.093 χ^2/NDF: 8160321.2/90



Right In: 2417.658+/-562.479 χ^2/NDF: 15.6/18

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2253.639+/-504.958 χ^2/NDF: 16.2/23

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

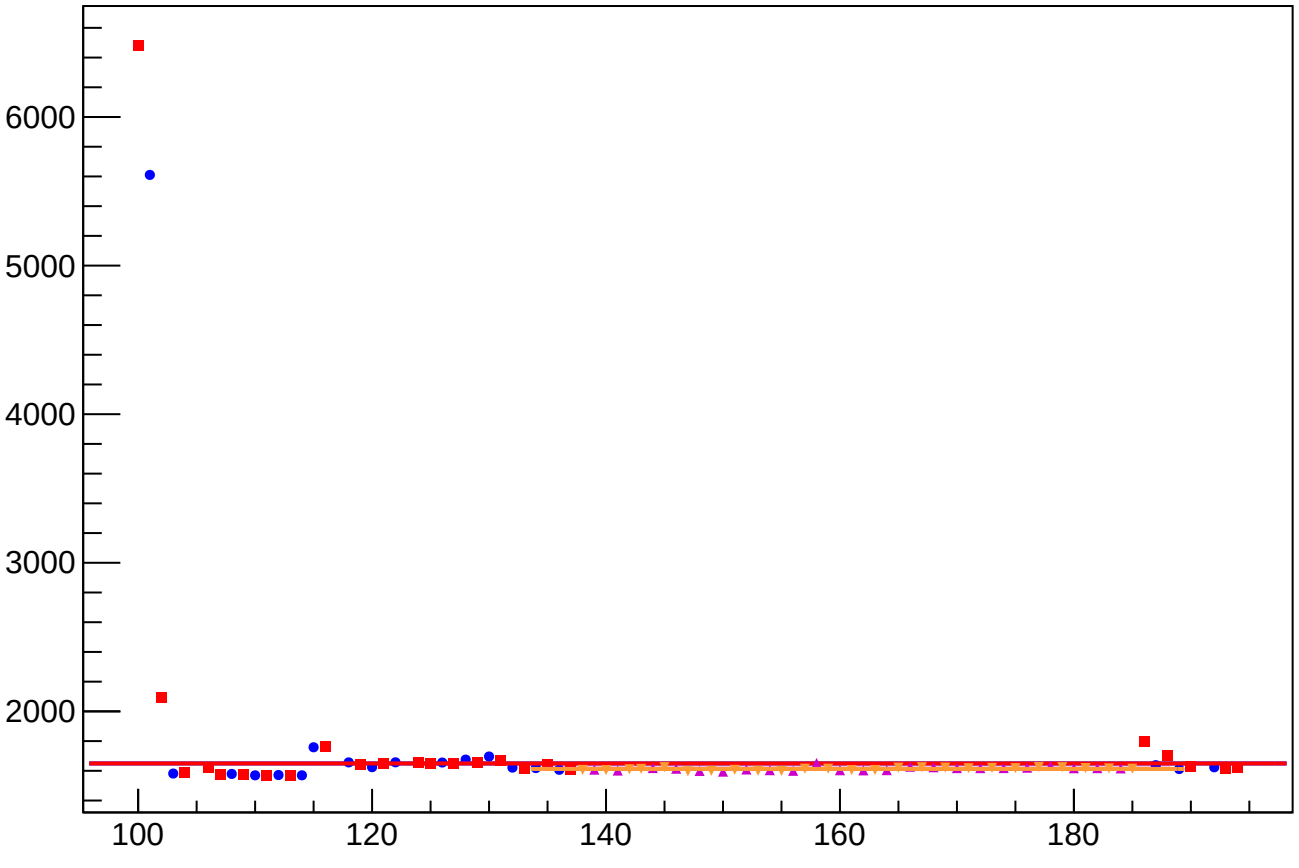
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2326.836+/-375.755 χ^2/NDF: 31.9/42

In: 2385.245+/-313.048 χ^2/NDF:49.4/41

Out: 2297.791+/-296.504 χ^2/NDF:43.7/48

All: 2339.146+/-215.271 χ^2/NDF: 93.2/90



Right In: 1649.537+/-0.398 χ^2/NDF: 667568.8/18

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1649.502+/-0.357 χ^2/NDF: 145046.3/23

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

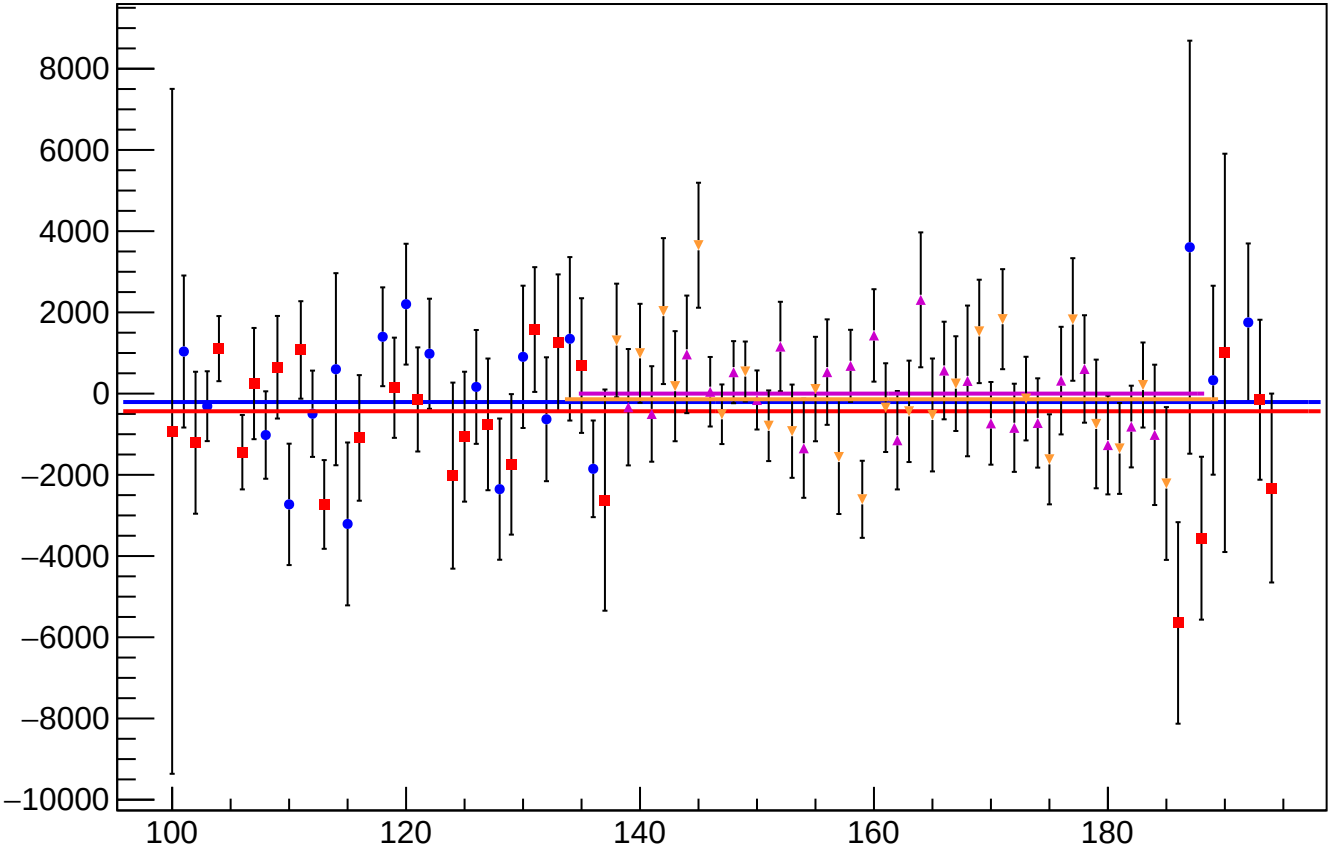
Right: 1649.517+/-0.266 χ^2/NDF: 812615.0/42

In: 1624.865+/-0.221 χ^2/NDF:675498.0/41

Out: 1625.328+/-0.210 χ^2/NDF:153214.5/48

All: 1625.109+/-0.152 χ^2/NDF: 828714.8/90

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -207.562+/-333.919 χ^2/NDF: 17.6/18

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -434.712+/-302.537 χ^2/NDF: 25.2/23

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

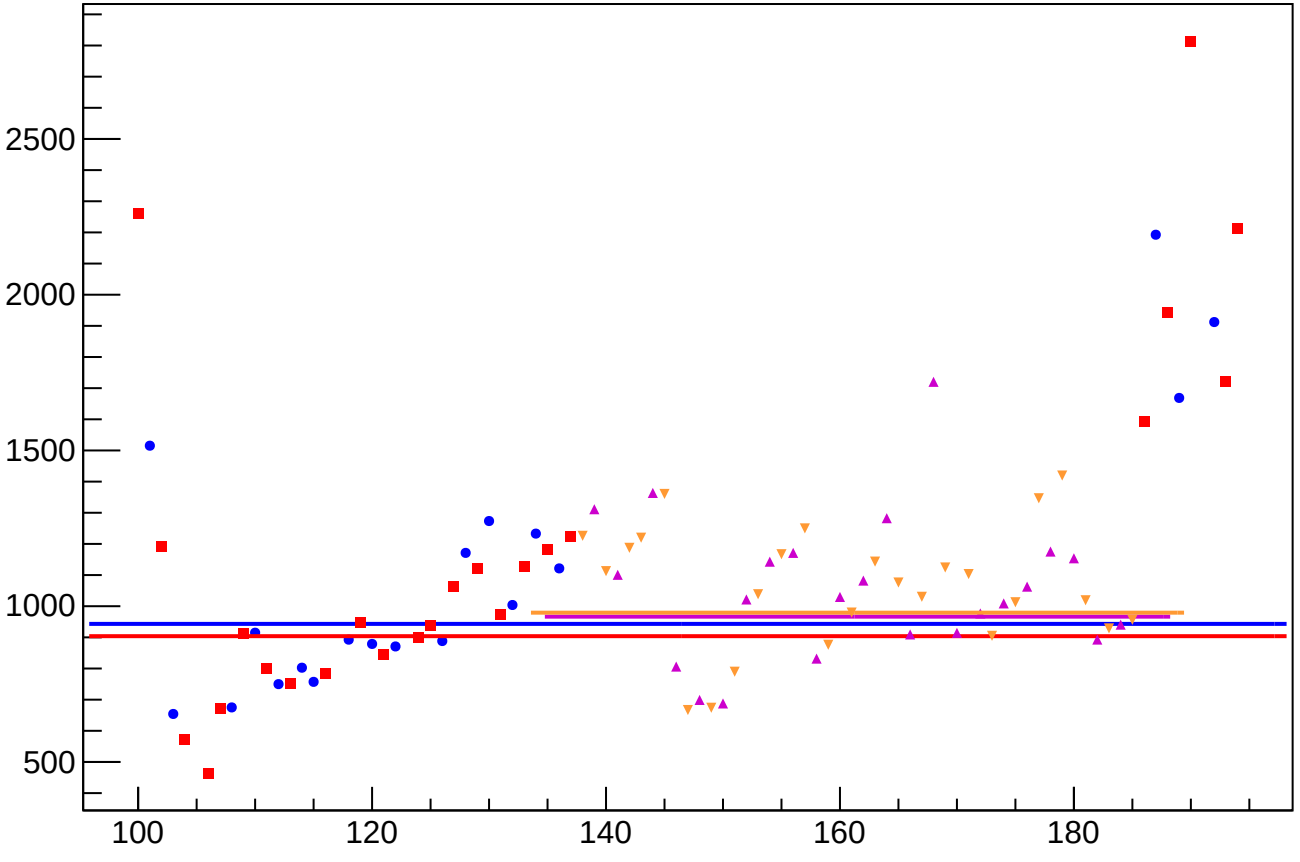
Right: -332.310+/-224.202 χ^2/NDF: 43.1/42

In: -67.582+/-190.475 χ^2/NDF:30.8/41

Out: -246.835+/-182.654 χ^2/NDF:56.0/48

All: -160.964+/-131.834 χ^2/NDF: 87.2/90

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 943.253+/-0.236 χ^2/NDF: 1650842.7/18

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 903.811+/-0.214 χ^2/NDF: 3189039.9/23

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

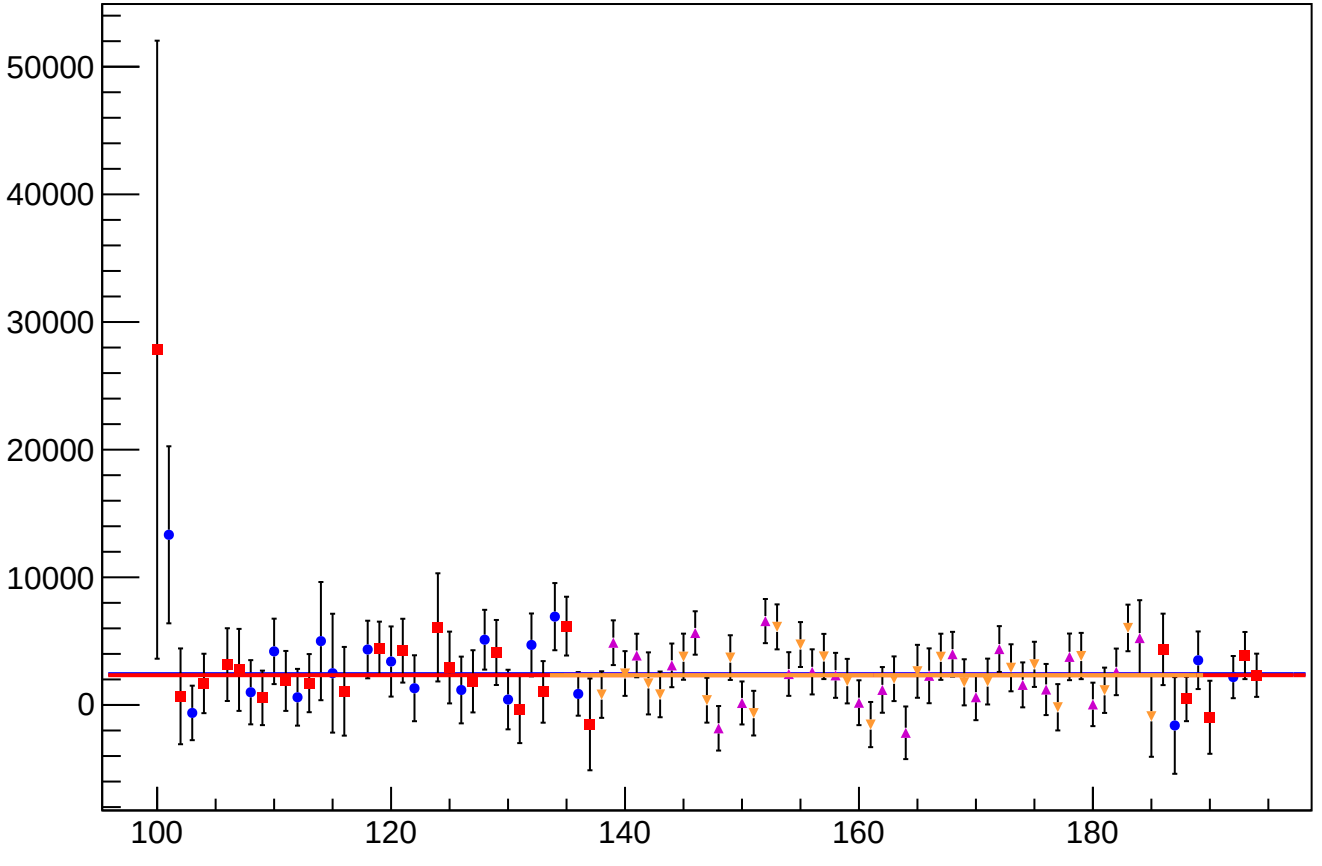
Right: 921.592+/-0.159 χ^2/NDF: 4855207.2/42

In: 958.957+/-0.135 χ^2/NDF:3259961.8/41

Out: 951.777+/-0.129 χ^2/NDF:4898878.7/48

All: 955.216+/-0.093 χ^2/NDF: 8160321.2/90

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2414.435+/-566.046 χ^2/NDF: 15.6/18

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: 2331.778+/-510.029 χ^2/NDF: 14.3/23

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

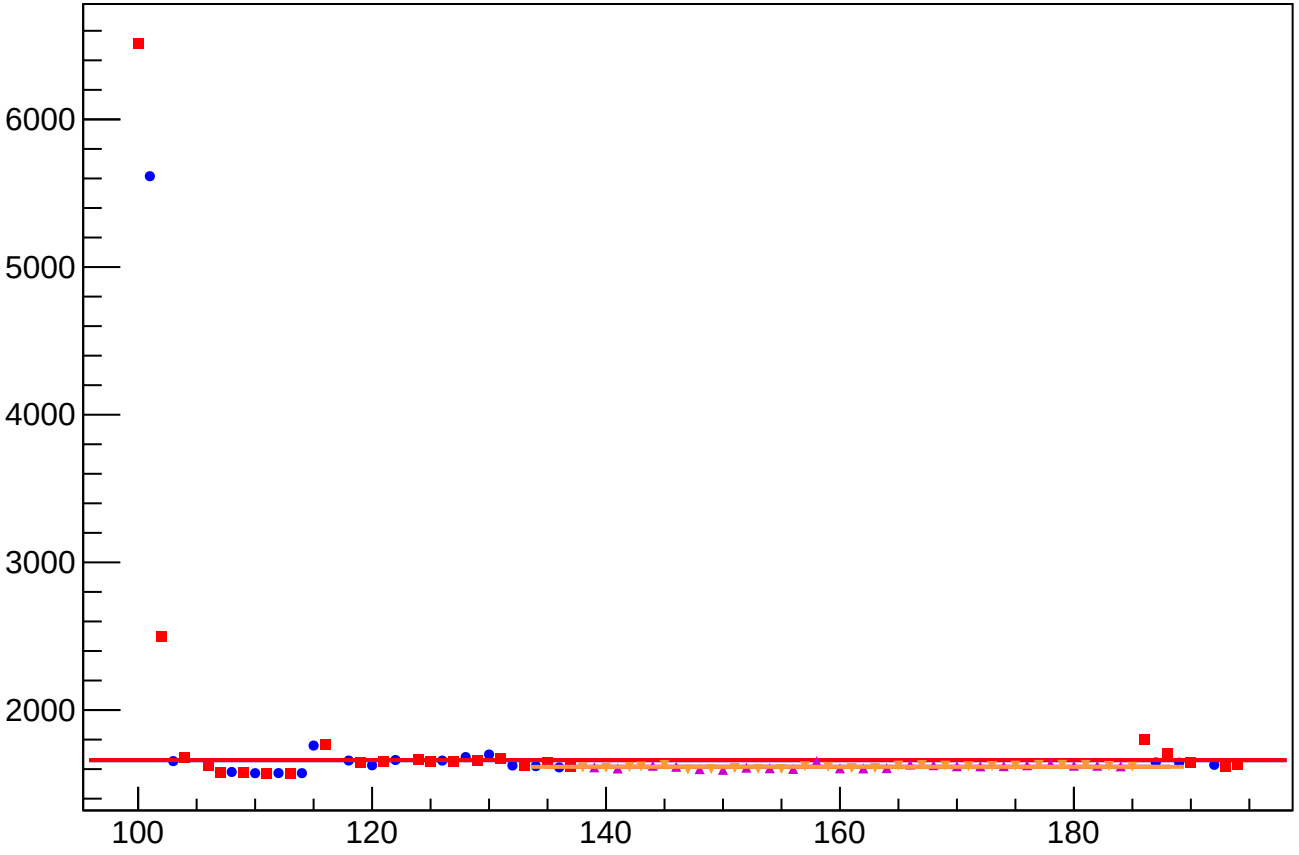
Right: 2368.815+/-378.906 χ^2/NDF: 29.9/42

In: 2376.952+/-314.007 χ^2/NDF:49.6/41

Out: 2333.795+/-297.889 χ^2/NDF:42.5/48

All: 2354.238+/-216.113 χ^2/NDF: 92.2/90

dit_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1660.122+/-0.400 χ^2/NDF: 663955.8/18

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1661.320+/-0.361 χ^2/NDF: 201440.7/23

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

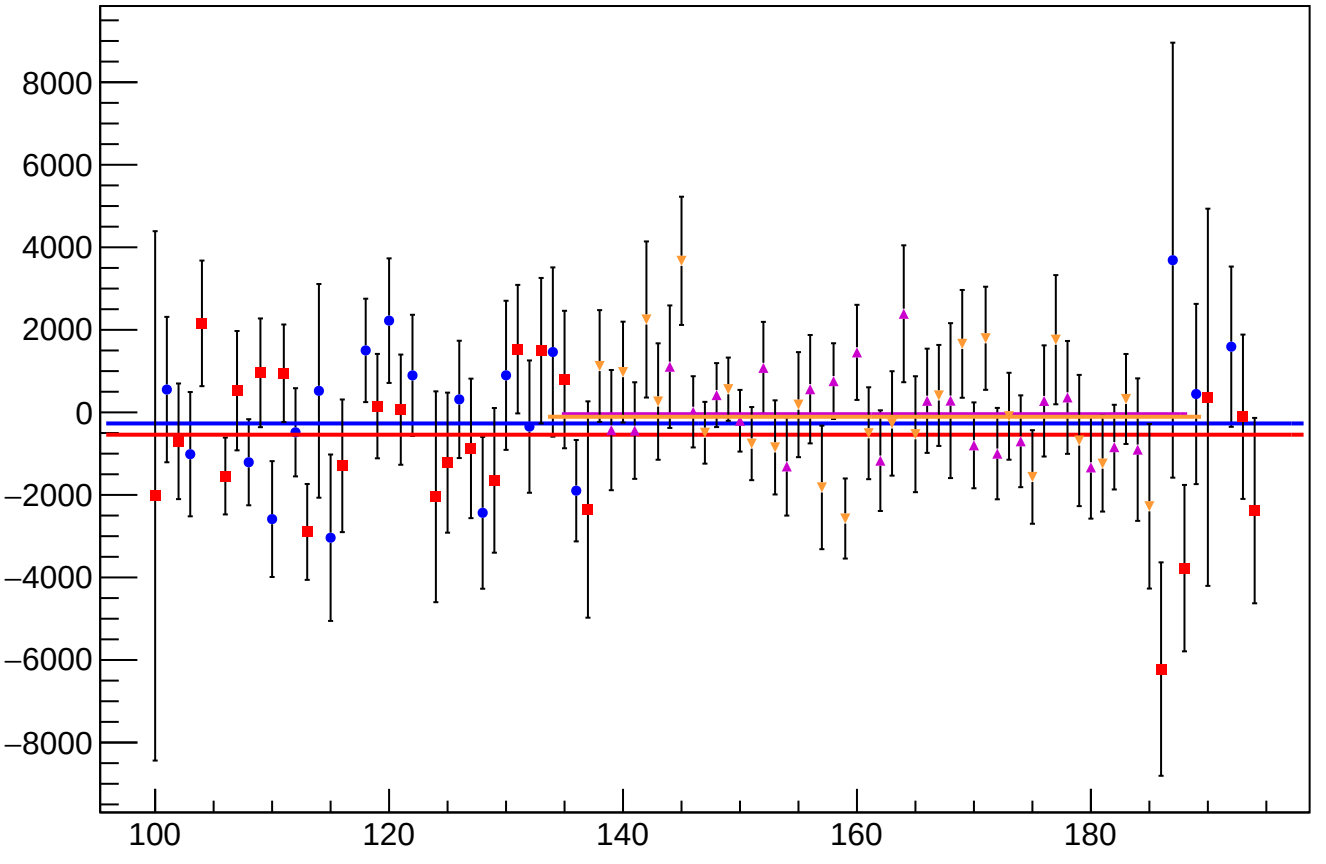
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1660.783+/-0.268 χ^2/NDF: 865401.5/42

In: 1629.827+/-0.222 χ^2/NDF:674788.7/41

Out: 1631.218+/-0.211 χ^2/NDF:213461.6/48

All: 1630.560+/-0.153 χ^2/NDF: 888271.0/90



Right In: -268.254+/-355.842 χ^2/NDF: 17.4/18

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: -540.988+/-324.224 χ^2/NDF: 26.0/23

Left In: -44.469+/-235.733 χ^2/NDF:12.8/22

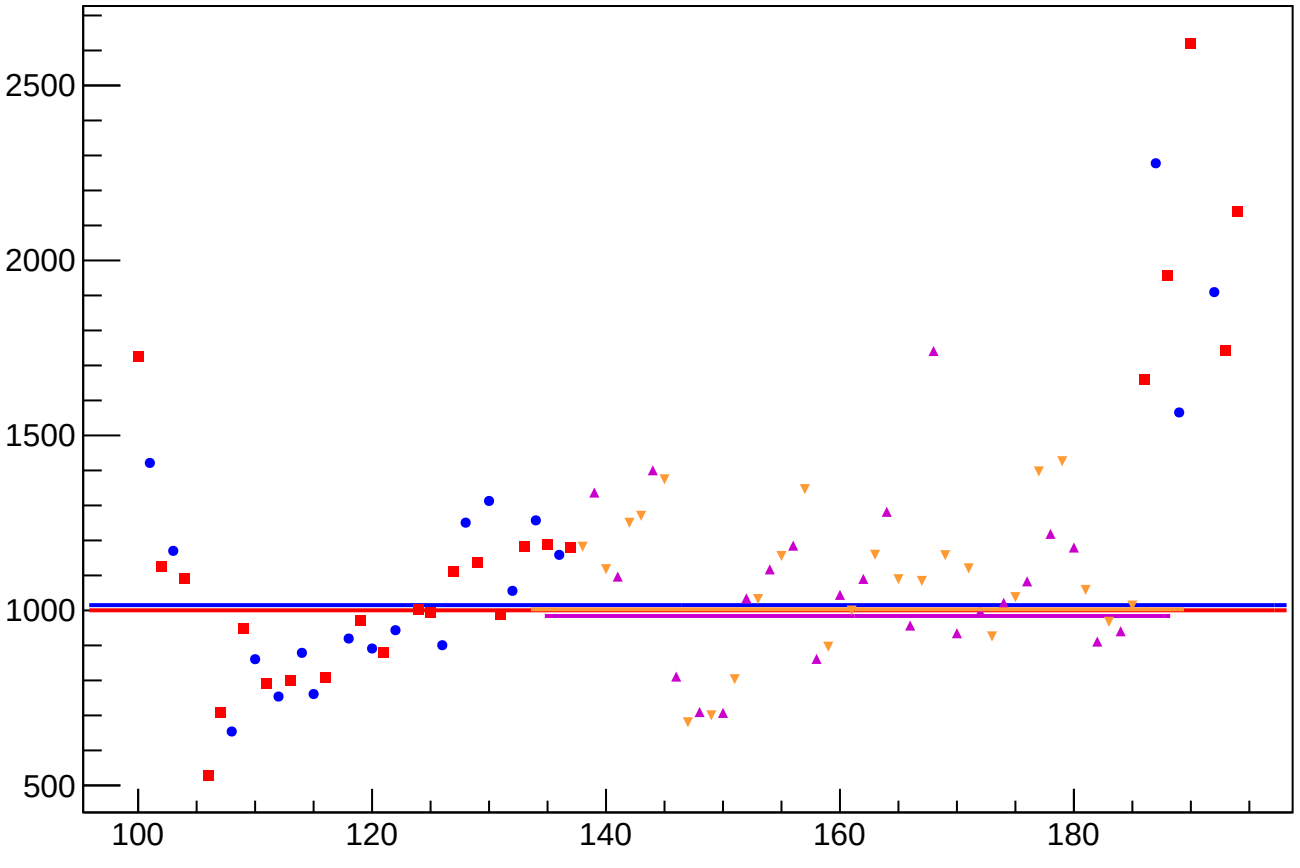
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

Right: -417.274+/-239.661 χ^2/NDF: 43.7/42

In: -112.724+/-196.522 χ^2/NDF:30.5/41

Out: -255.457+/-189.907 χ^2/NDF:56.2/48

All: -186.533+/-136.563 χ^2/NDF: 86.9/90



Right In: 1015.145+/-0.252 χ^2/NDF: 1401065.3/18

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1000.371+/-0.229 χ^2/NDF: 2517149.6/23

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

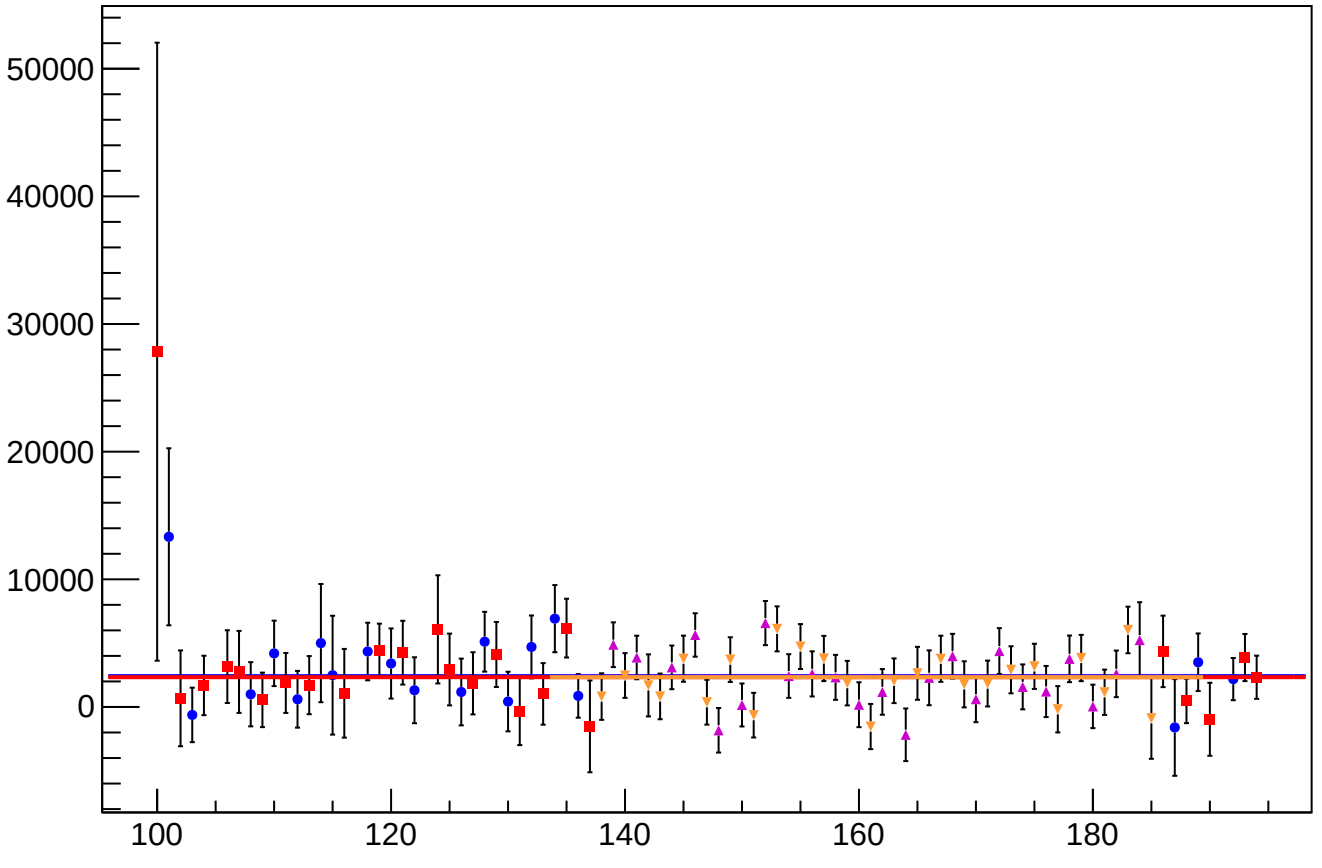
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 1007.073+/-0.169 χ^2/NDF: 3920098.5/42

In: 993.536+/-0.139 χ^2/NDF:2971238.4/41

Out: 1002.164+/-0.134 χ^2/NDF:4115658.3/48

All: 997.998+/-0.097 χ^2/NDF: 7088890.1/90



Right In: 2414.435+/-566.046 χ^2/NDF: 15.6/18

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: 2331.776+/-510.029 χ^2/NDF: 14.3/23

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

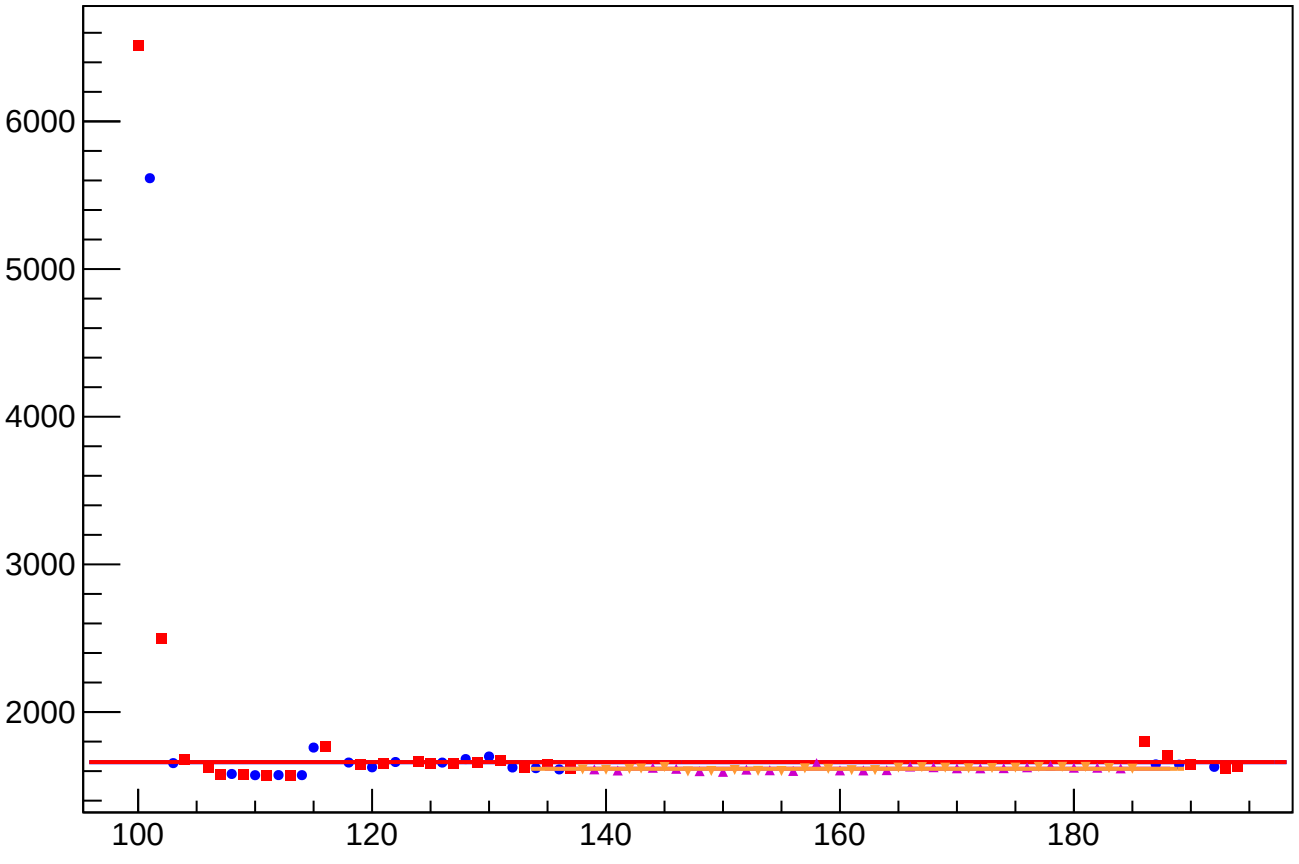
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2368.814+/-378.906 χ^2/NDF: 29.9/42

In: 2376.951+/-314.007 χ^2/NDF:49.6/41

Out: 2333.794+/-297.889 χ^2/NDF:42.5/48

All: 2354.237+/-216.113 χ^2/NDF: 92.2/90



Right In: 1660.122+/-0.400 χ^2/NDF: 663955.9/18

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1661.320+/-0.361 χ^2/NDF: 201440.5/23

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

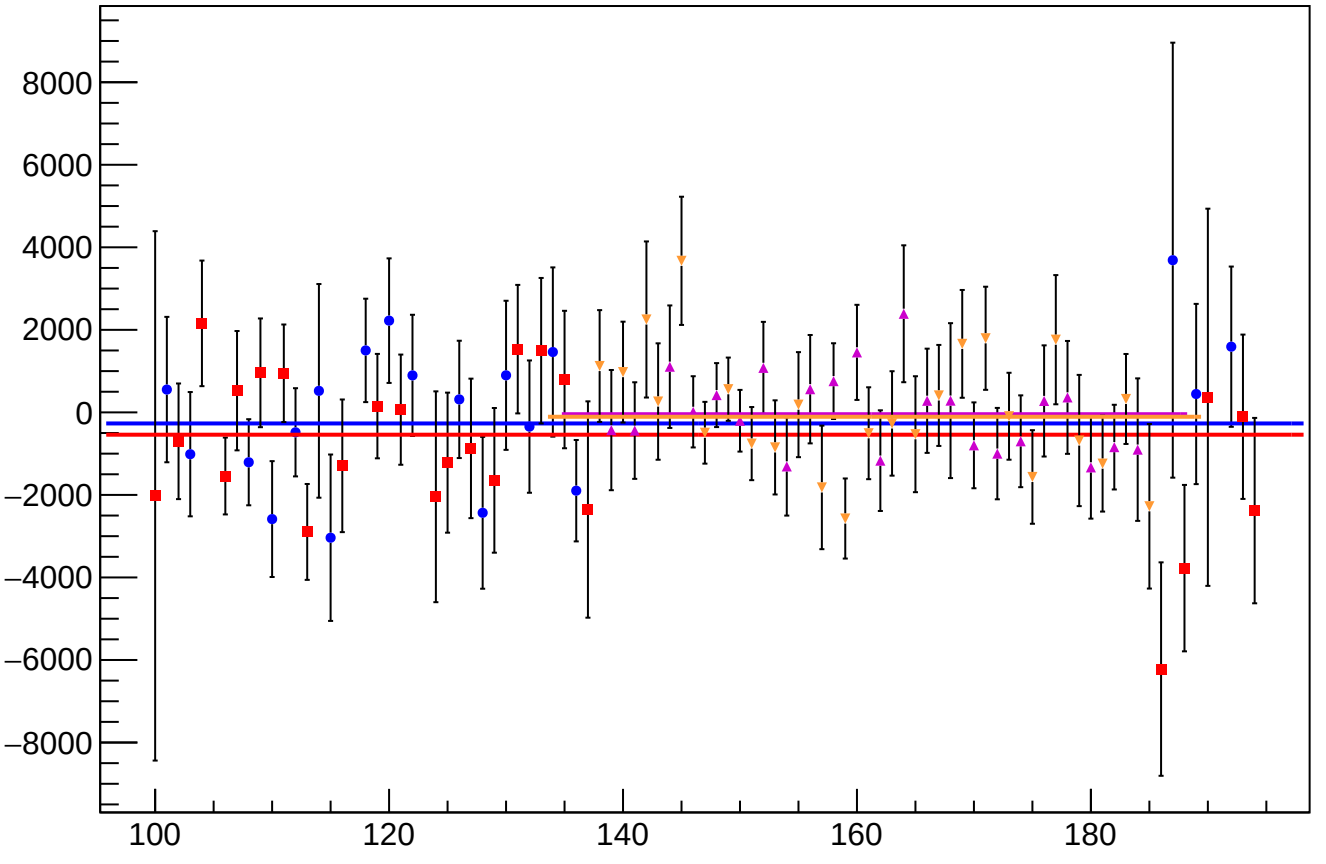
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1660.783+/-0.268 χ^2/NDF: 865401.3/42

In: 1629.827+/-0.222 χ^2/NDF:674788.7/41

Out: 1631.218+/-0.211 χ^2/NDF:213461.4/48

All: 1630.560+/-0.153 χ^2/NDF: 888270.8/90



Right In: -268.253+/-355.841 χ^2/NDF: 17.4/18

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

Right Out: -540.986+/-324.223 χ^2/NDF: 26.0/23

Left In: -44.468+/-235.733 χ^2/NDF:12.8/22

Left: -75.592+/-166.182 χ^2/NDF: 41.8/47

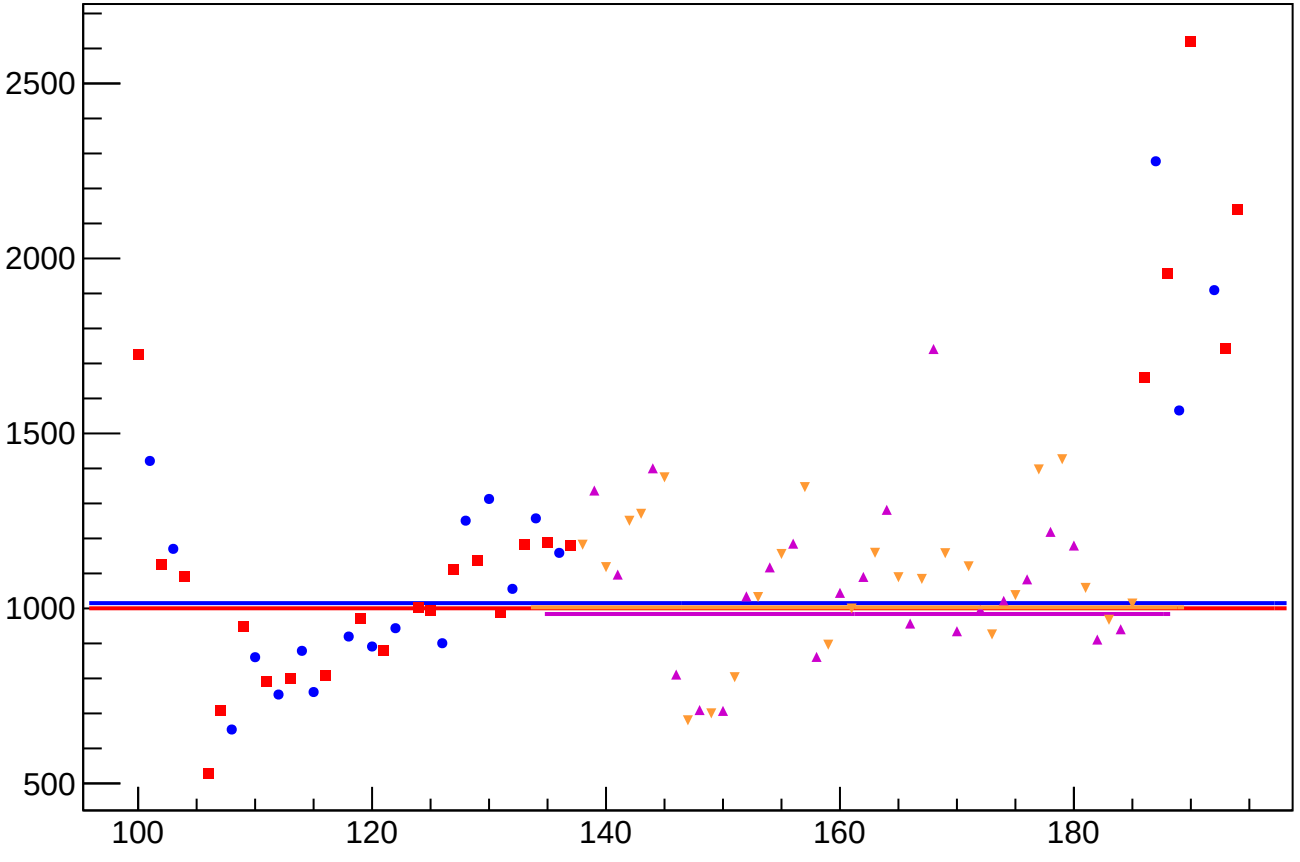
Right: -417.272+/-239.660 χ^2/NDF: 43.7/42

In: -112.724+/-196.522 χ^2/NDF:30.5/41

Out: -255.458+/-189.907 χ^2/NDF:56.2/48

All: -186.534+/-136.563 χ^2/NDF: 86.9/90

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1015.141+/-0.252 χ^2/NDF: 1401080.7/18

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1000.369+/-0.229 χ^2/NDF: 2517158.6/23

Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

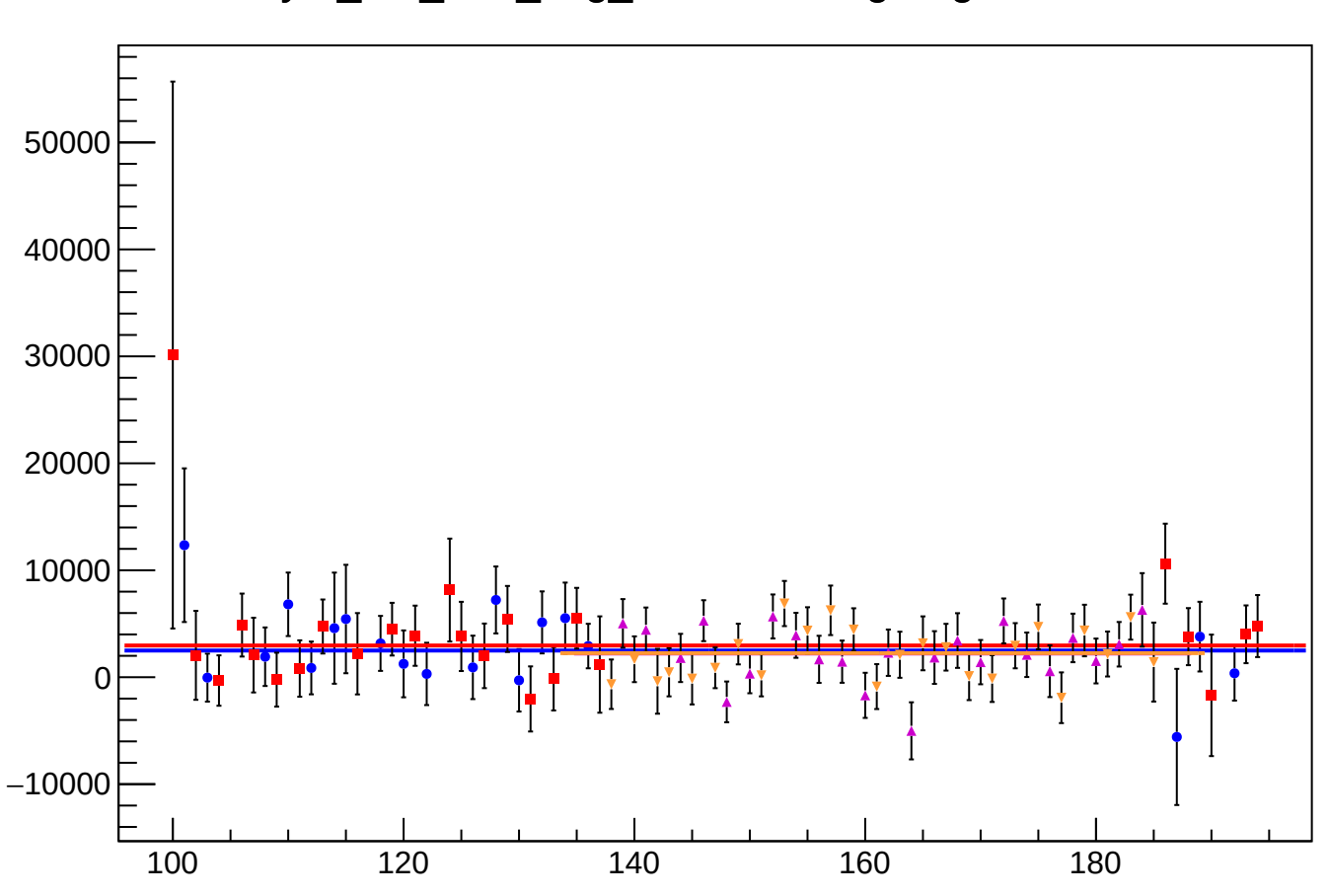
Left: 993.637+/-0.118 χ^2/NDF: 3164549.9/47

Right: 1007.069+/-0.169 χ^2/NDF: 3920122.7/42

In: 993.537+/-0.139 χ^2/NDF:2971251.8/41

Out: 1002.165+/-0.134 χ^2/NDF:4115669.8/48

All: 997.998+/-0.097 χ^2/NDF: 7088915.2/90



Right In: 2493.855+/-686.344 χ^2/NDF: 14.7/18

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: 2964.299+/-632.101 χ^2/NDF: 19.1/23

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

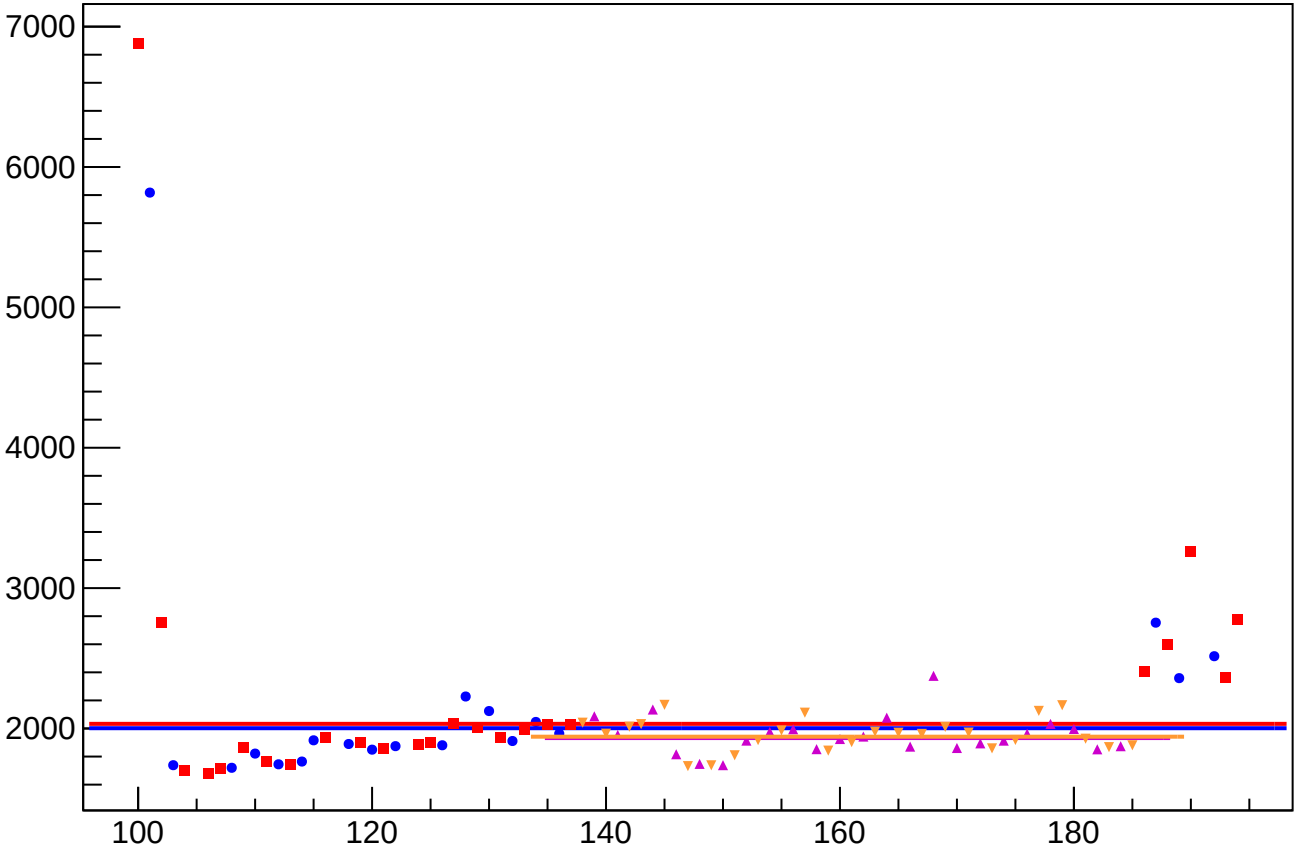
Right: 2748.399+/-464.958 χ^2/NDF: 34.1/42

In: 2302.498+/-377.660 χ^2/NDF:46.3/41

Out: 2486.318+/-362.344 χ^2/NDF:48.3/48

All: 2398.211+/-261.463 χ^2/NDF: 94.7/90

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 2001.940+/-0.485 χ^2/NDF: 812314.8/18

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

Right Out: 2033.066+/-0.447 χ^2/NDF: 662159.0/23

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

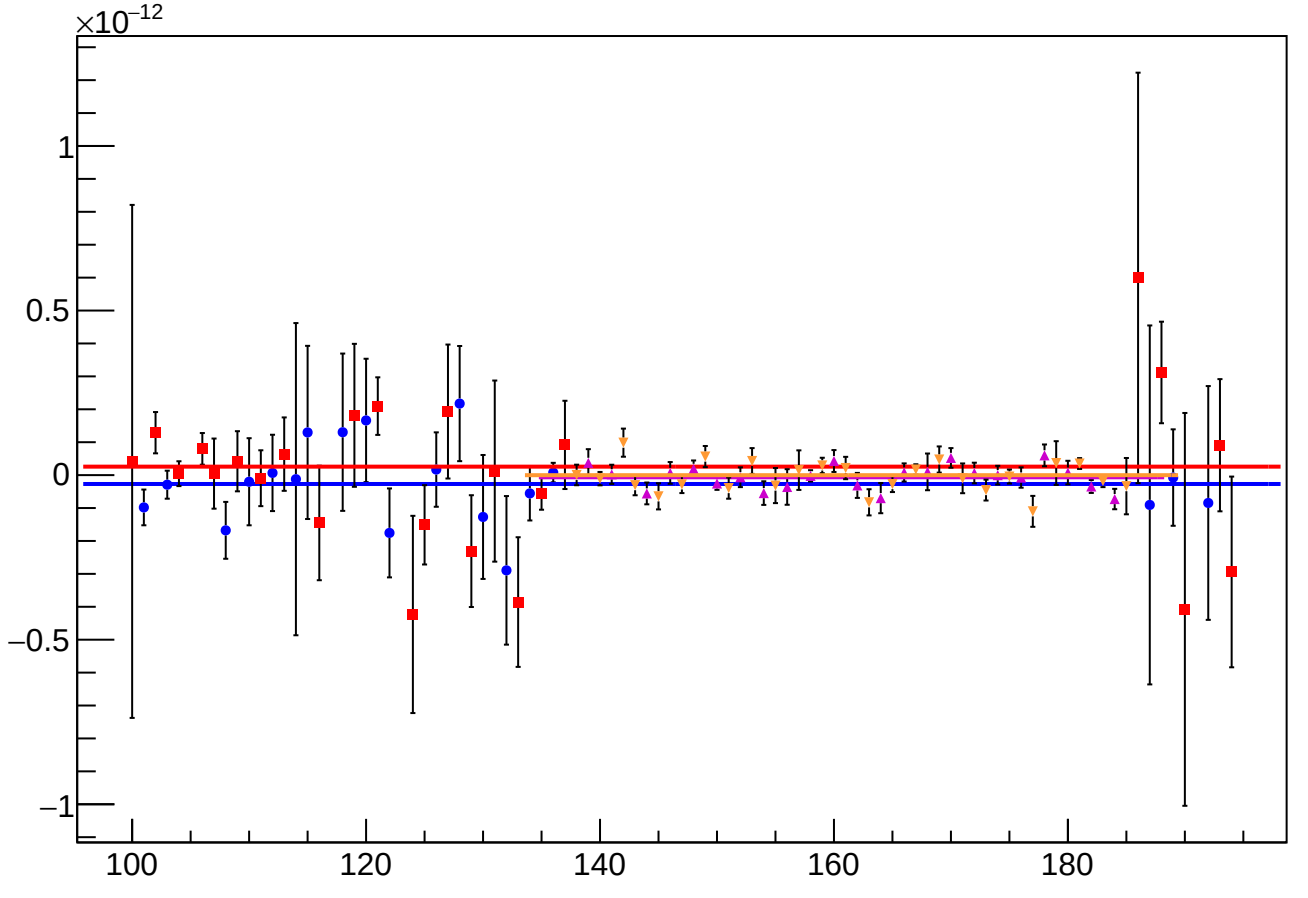
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 2018.782+/-0.329 χ^2/NDF: 1476699.3/42

In: 1953.045+/-0.267 χ^2/NDF:986749.9/41

Out: 1971.645+/-0.256 χ^2/NDF:829297.0/48

All: 1962.730+/-0.185 χ^2/NDF: 1818572.7/90



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.6/23

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

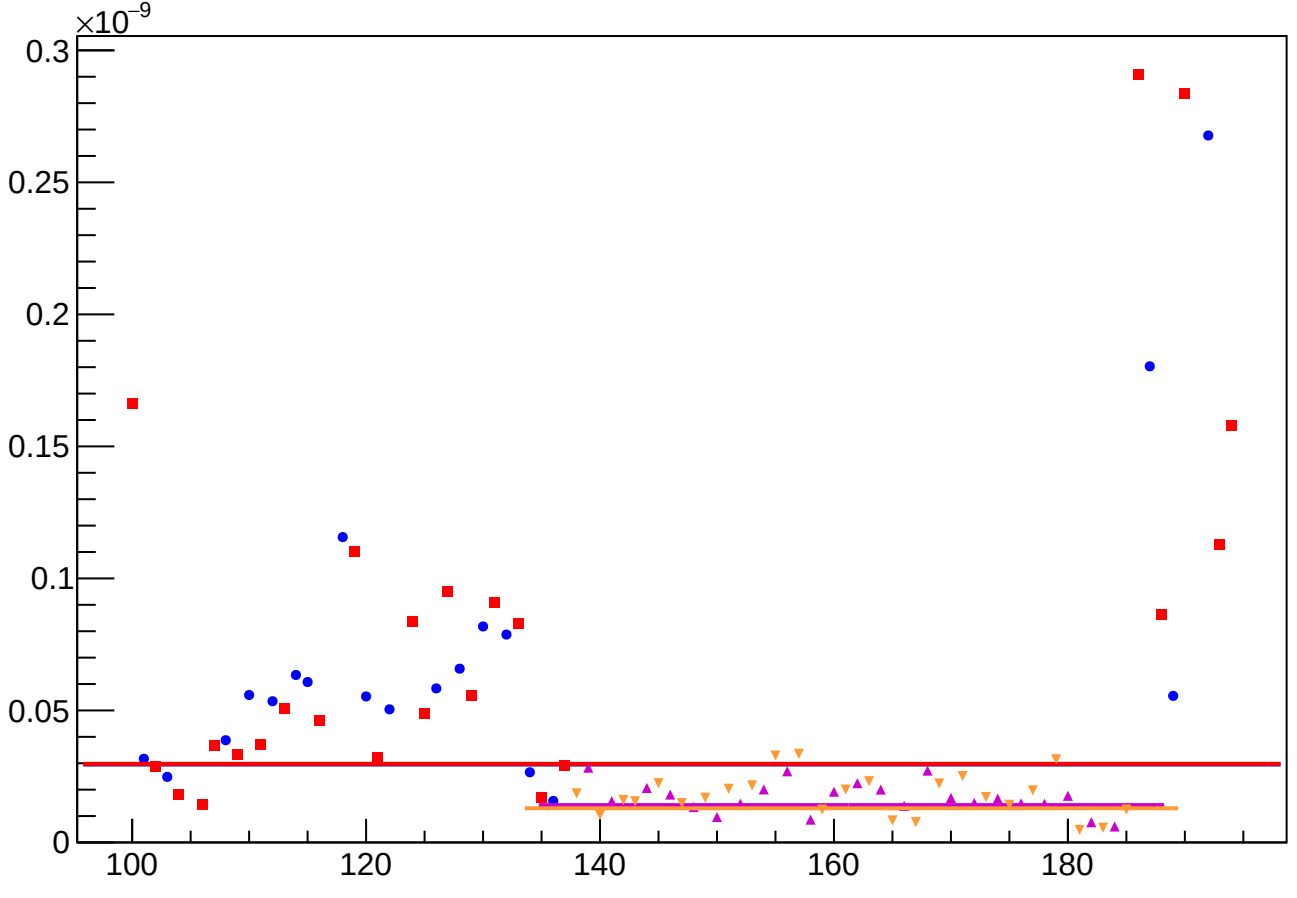
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: -0.000+/-0.000 χ^2/NDF: 48.2/42

In: -0.000+/-0.000 χ^2/NDF:41.4/41

Out: 0.000+/-0.000 χ^2/NDF:73.6/48

All: -0.000+/-0.000 χ^2/NDF: 116.7/90



Right In: 0.000+/-0.000 χ^2/NDF: 2615925.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3310095.9/23

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

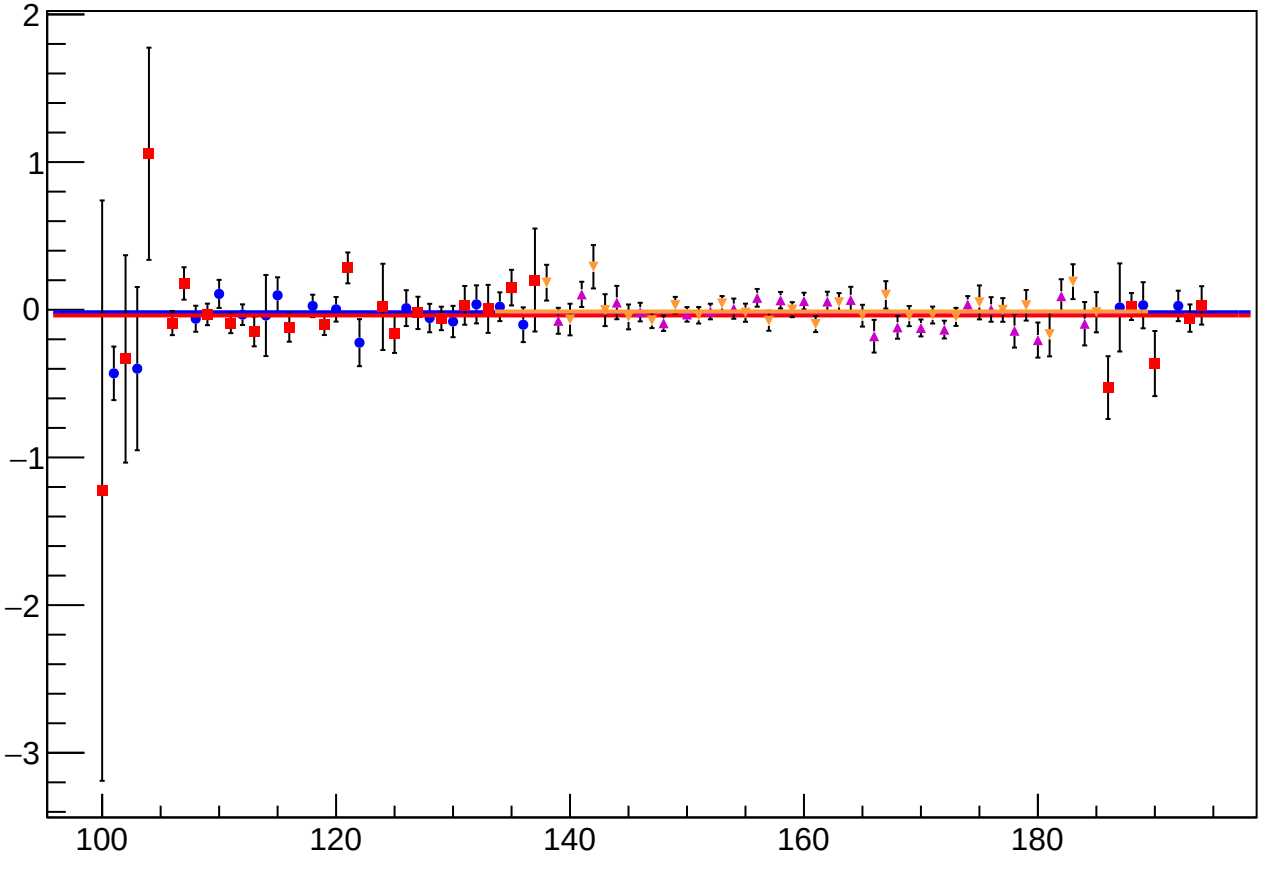
Right: 0.000+/-0.000 χ^2/NDF: 5926184.3/42

In: 0.000+/-0.000 χ^2/NDF:5330597.3/41

Out: 0.000+/-0.000 χ^2/NDF:7568236.4/48

All: 0.000+/-0.000 χ^2/NDF: 12951104.3/90

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.025 χ^2/NDF: 12.3/18

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.038+/-0.022 χ^2/NDF: 32.6/23

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

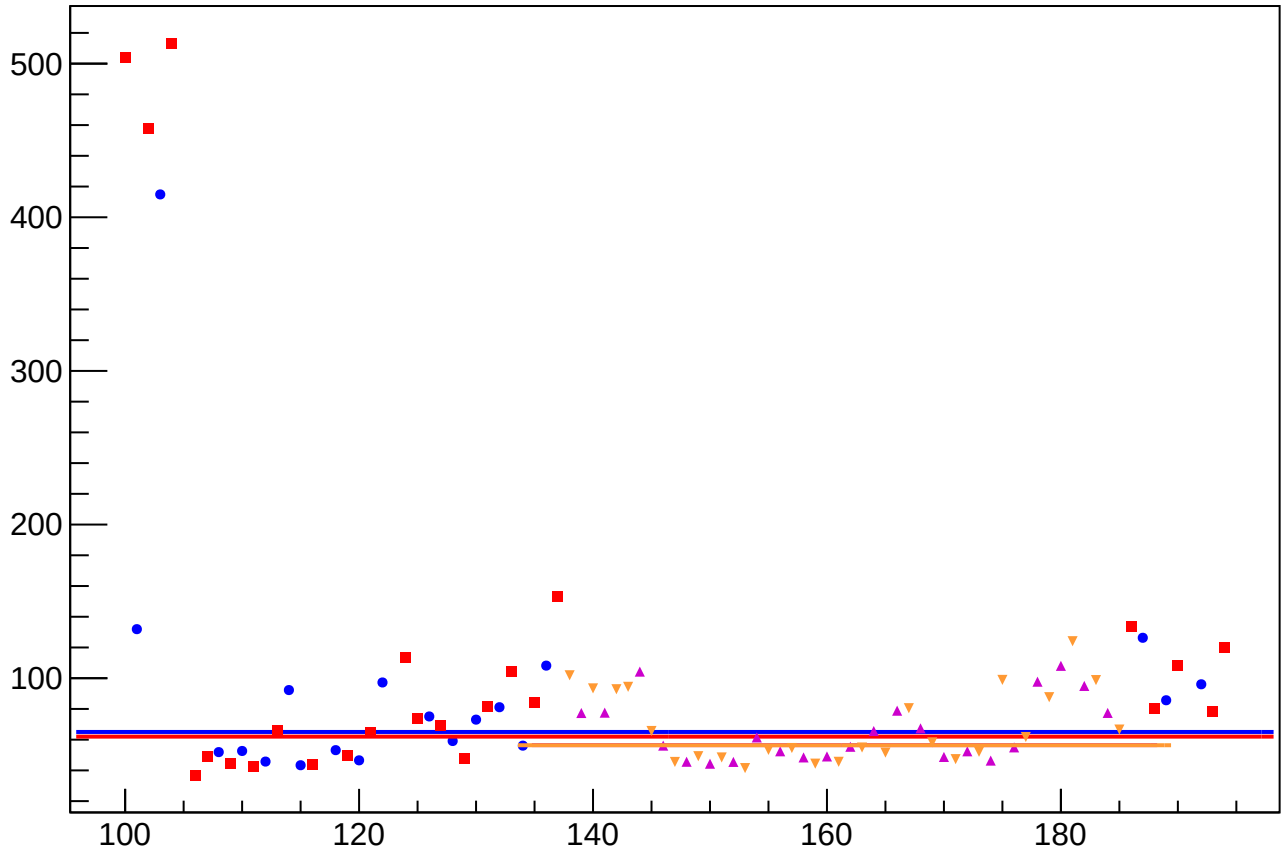
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.029+/-0.017 χ^2/NDF: 45.4/42

In: -0.017+/-0.013 χ^2/NDF:42.9/41

Out: -0.019+/-0.012 χ^2/NDF:55.4/48

All: -0.018+/-0.009 χ^2/NDF: 98.4/90



Right In: 65.017+/-0.018 χ^2/NDF: 2266408.3/18

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 61.986+/-0.016 χ^2/NDF: 3572406.0/23

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

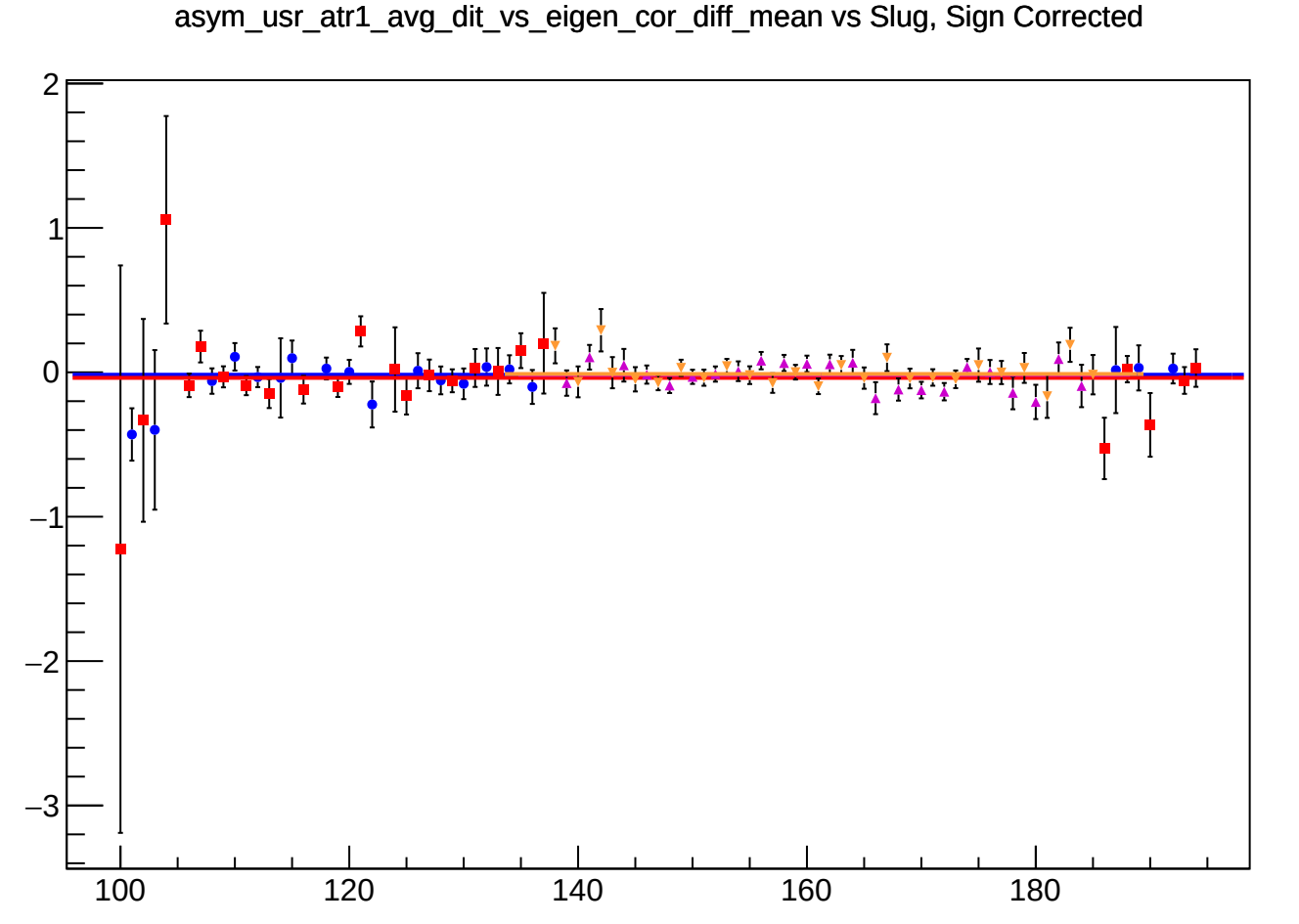
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 63.319+/-0.012 χ^2/NDF: 5854912.0/42

In: 58.580+/-0.009 χ^2/NDF:4578655.3/41

Out: 58.001+/-0.009 χ^2/NDF:6458852.7/48

All: 58.279+/-0.006 χ^2/NDF: 11039714.0/90



Right In: -0.017+/-0.025 χ^2/NDF: 12.3/18

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.038+/-0.022 χ^2/NDF: 32.6/23

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

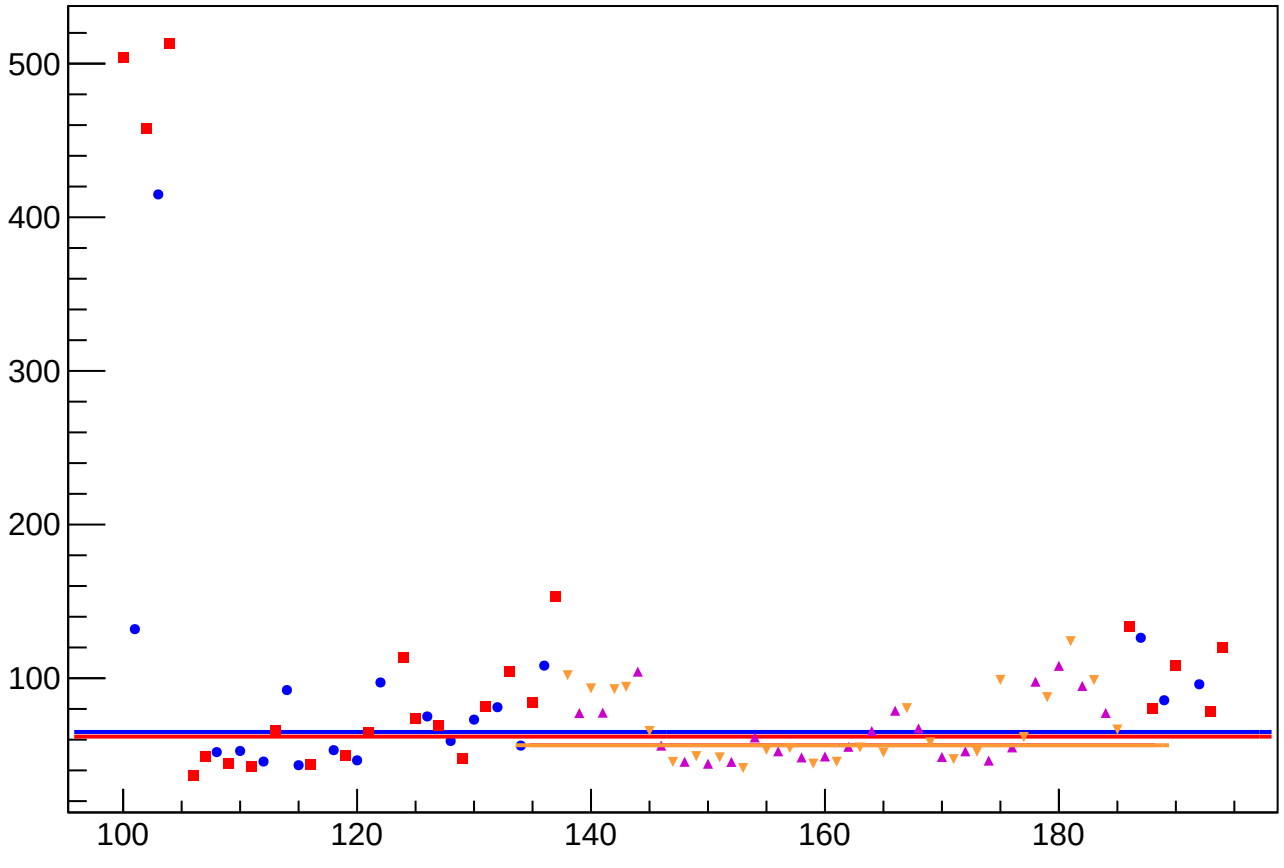
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.029+/-0.017 χ^2/NDF: 45.4/42

In: -0.017+/-0.013 χ^2/NDF:42.9/41

Out: -0.019+/-0.012 χ^2/NDF:55.4/48

All: -0.018+/-0.009 χ^2/NDF: 98.4/90



Right In: 65.017+/-0.018 χ^2/NDF: 2266408.3/18

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 61.986+/-0.016 χ^2/NDF: 3572406.0/23

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

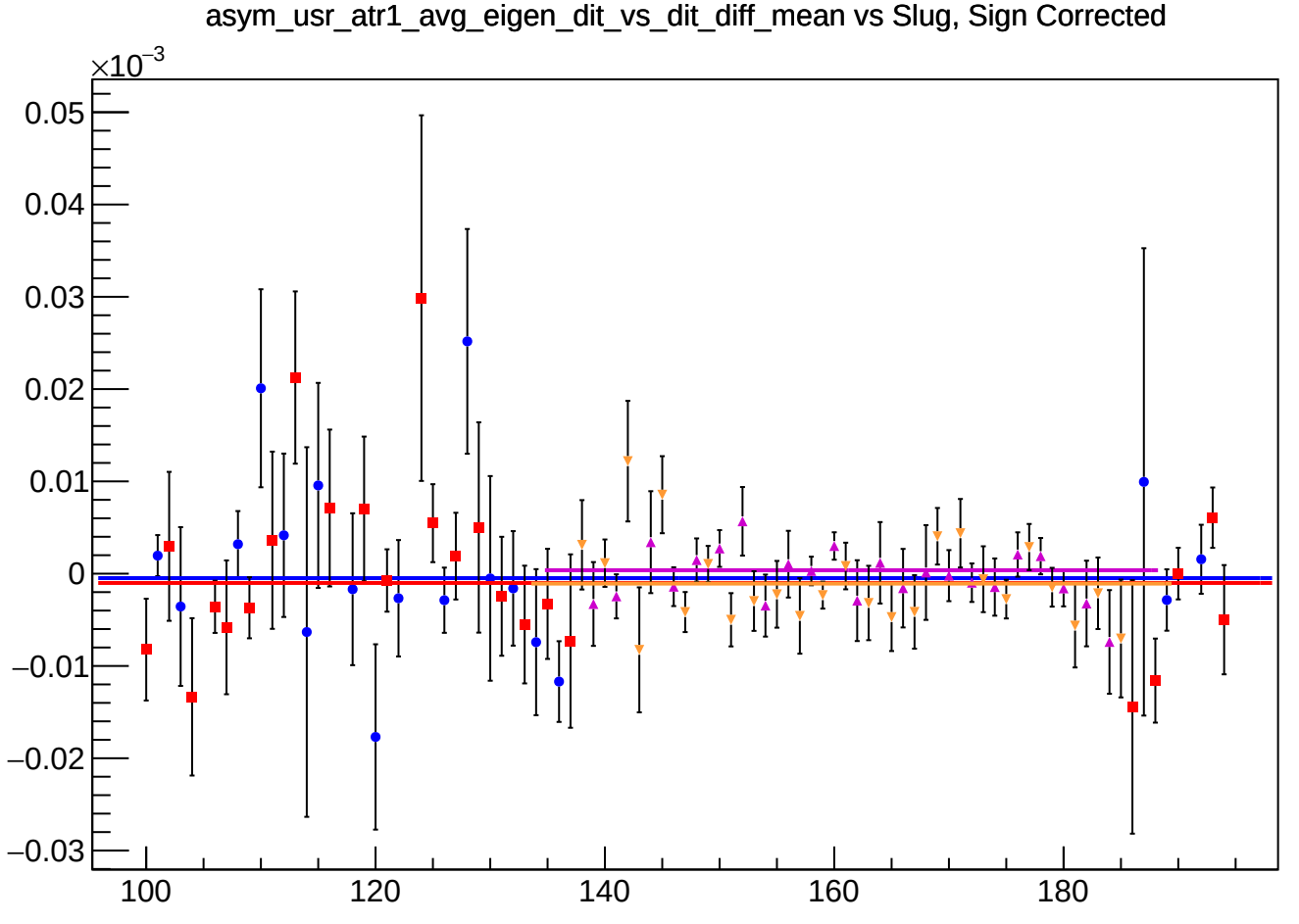
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 63.319+/-0.012 χ^2/NDF: 5854912.0/42

In: 58.580+/-0.009 χ^2/NDF:4578655.3/41

Out: 58.001+/-0.009 χ^2/NDF:6458852.7/48

All: 58.279+/-0.006 χ^2/NDF: 11039714.0/90



Right In: -0.000+/-0.000 χ^2/NDF: 23.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.1/23

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

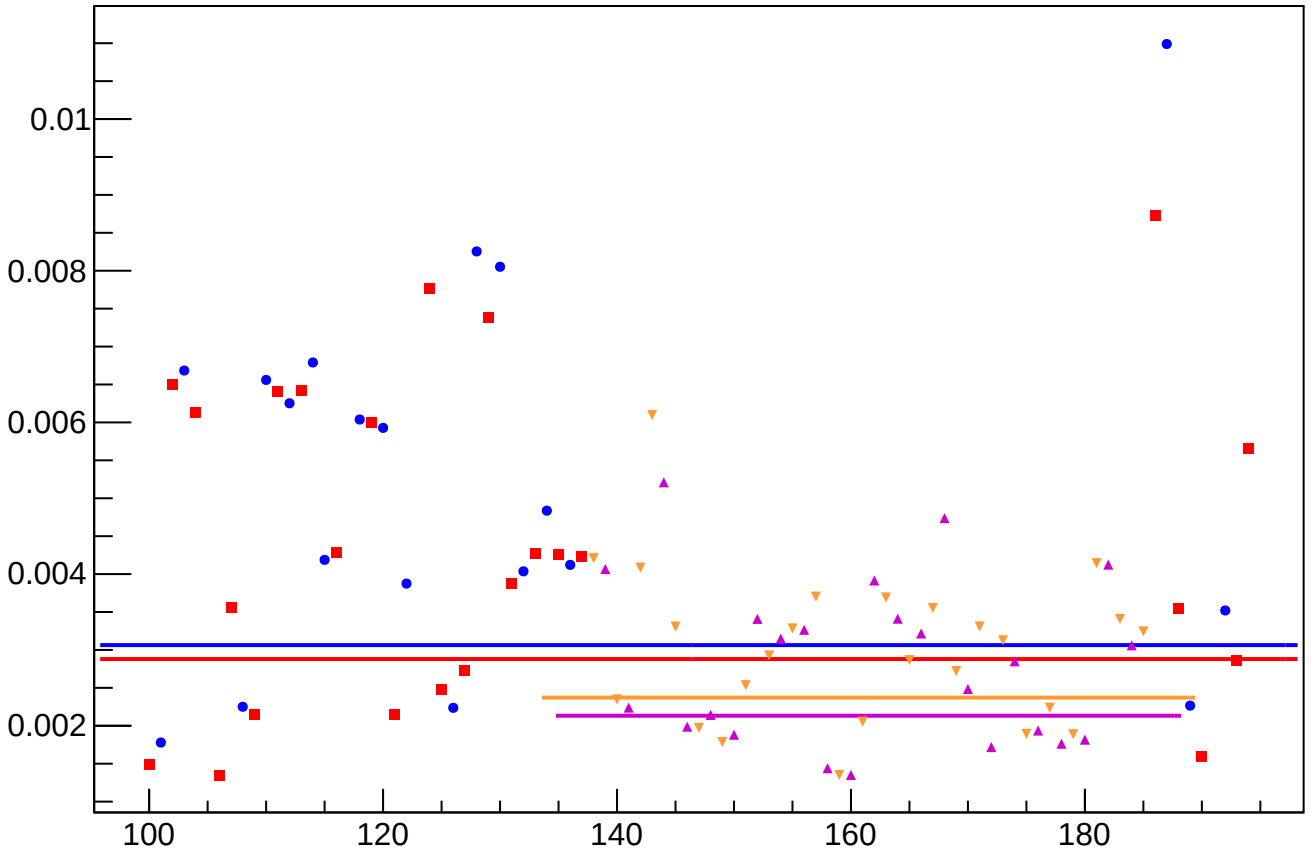
Left: -0.000+/-0.000 χ^2/NDF: 52.4/47

Right: -0.000+/-0.000 χ^2/NDF: 55.7/42

In: 0.000+/-0.000 χ^2/NDF:41.5/41

Out: -0.000+/-0.000 χ^2/NDF:63.6/48

All: -0.000+/-0.000 χ^2/NDF: 108.4/90



Right In: 0.003+/-0.000 χ^2/NDF: 3627449.1/18

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4566845.6/23

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

Left: 0.002+/-0.000 χ^2/NDF: 8864827.0/47

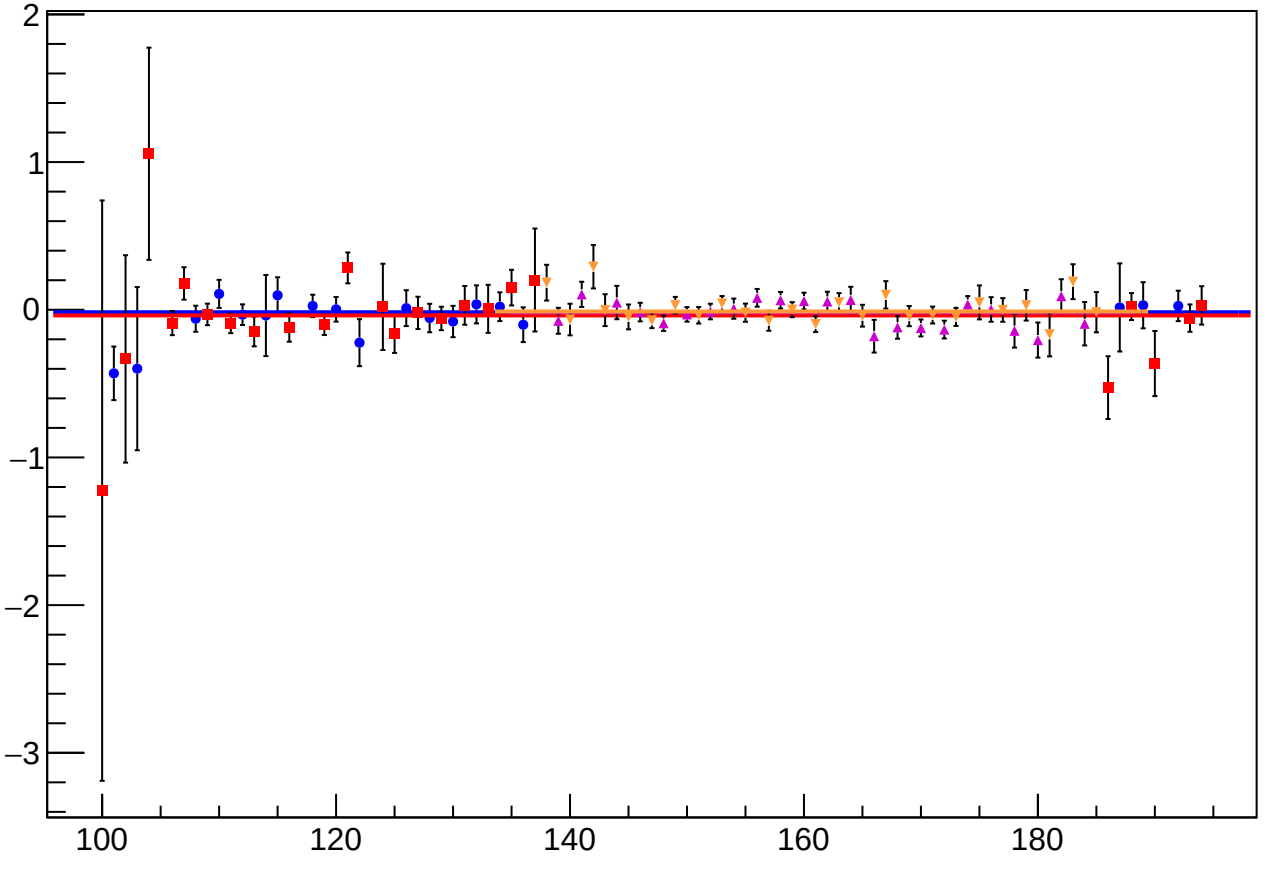
Right: 0.003+/-0.000 χ^2/NDF: 8222053.1/42

In: 0.002+/-0.000 χ^2/NDF:9191545.1/41

Out: 0.002+/-0.000 χ^2/NDF:9096590.8/48

All: 0.002+/-0.000 χ^2/NDF: 18449646.7/90

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.025 χ^2/NDF: 12.3/18

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.038+/-0.022 χ^2/NDF: 32.6/23

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

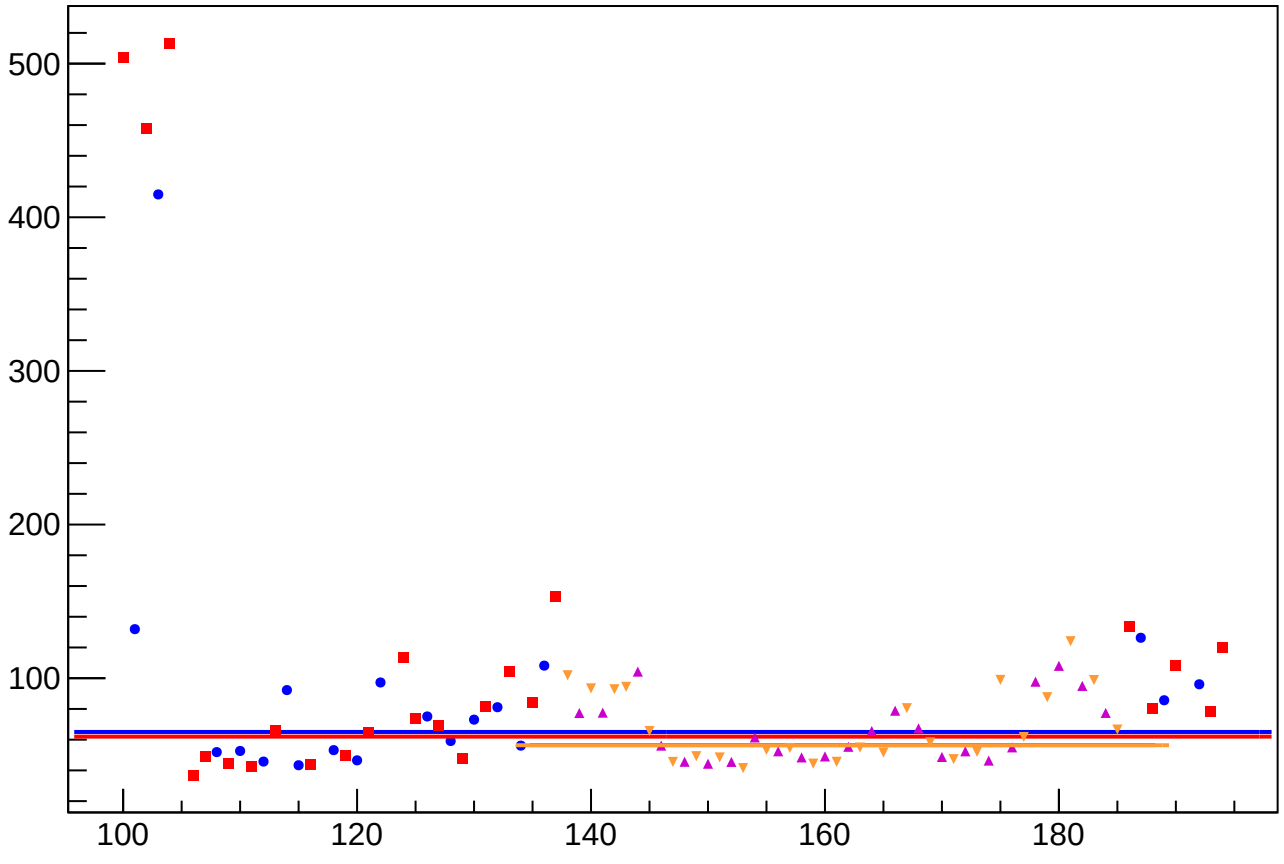
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.029+/-0.017 χ^2/NDF: 45.4/42

In: -0.017+/-0.013 χ^2/NDF:42.9/41

Out: -0.019+/-0.012 χ^2/NDF:55.4/48

All: -0.018+/-0.009 χ^2/NDF: 98.4/90



Right In: 65.016+/-0.018 χ^2/NDF: 2266379.8/18

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 61.985+/-0.016 χ^2/NDF: 3572424.1/23

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

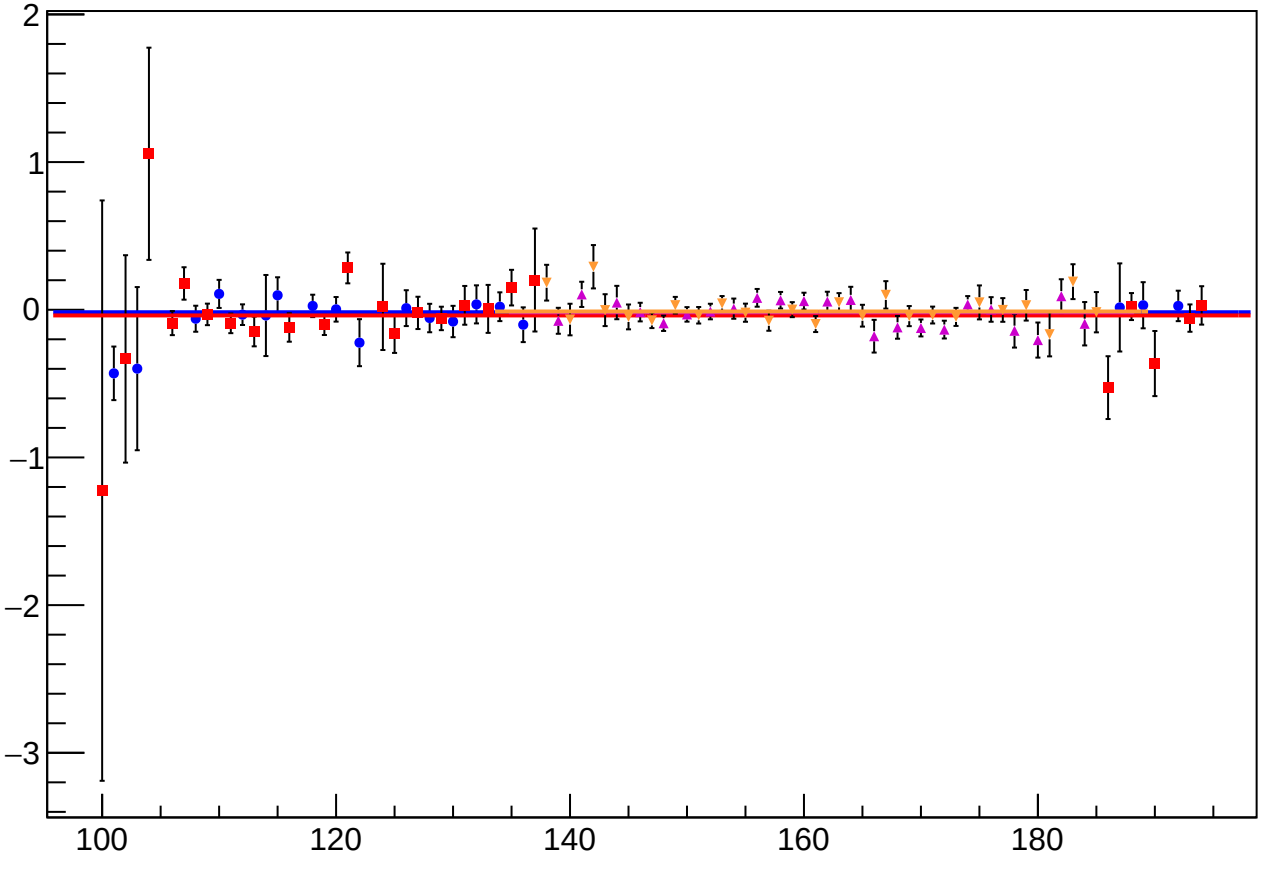
Right: 63.318+/-0.012 χ^2/NDF: 5854903.1/42

In: 58.580+/-0.009 χ^2/NDF:4578581.7/41

Out: 58.001+/-0.009 χ^2/NDF:6458915.9/48

All: 58.279+/-0.006 χ^2/NDF: 11039703.8/90

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.025 χ^2/NDF: 12.3/18

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.038+/-0.022 χ^2/NDF: 32.6/23

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

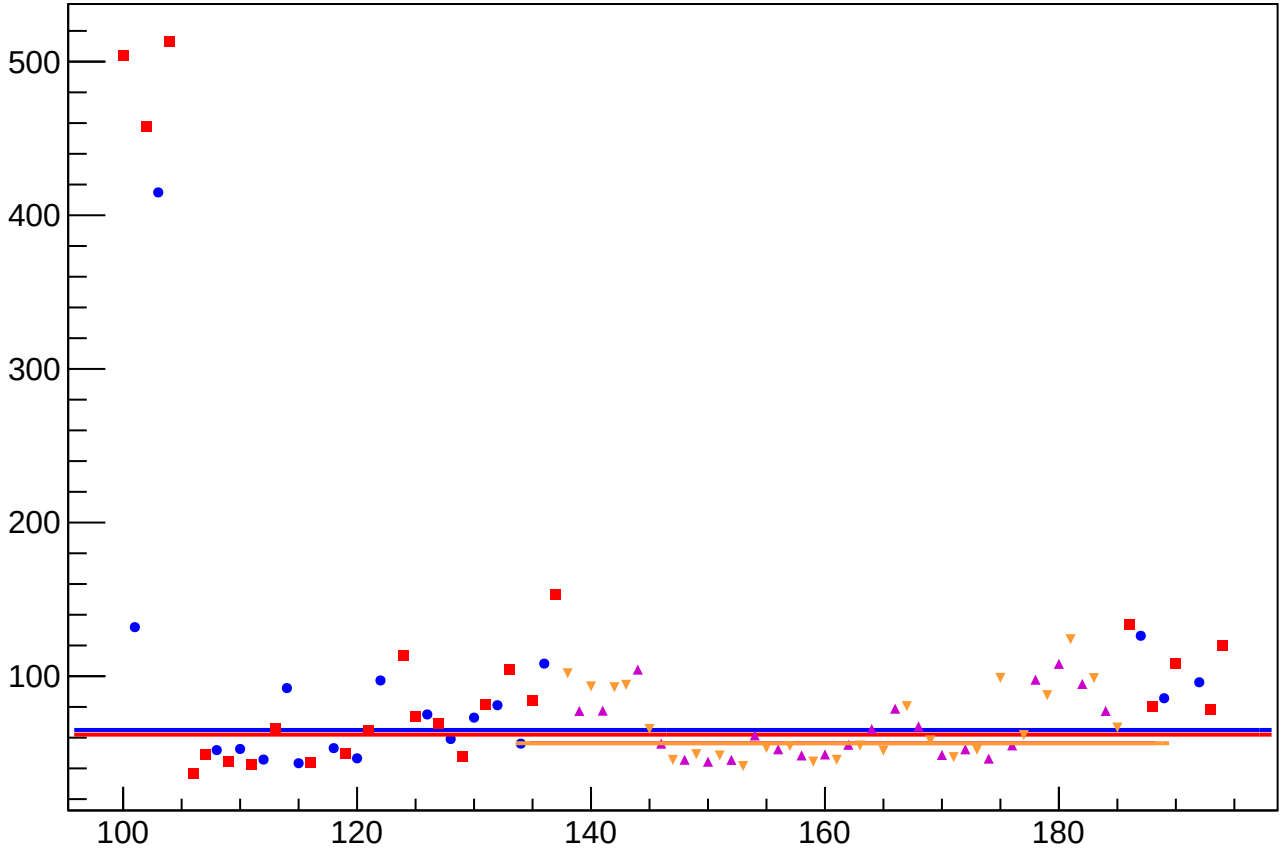
Right: -0.029+/-0.017 χ^2/NDF: 45.4/42

In: -0.017+/-0.013 χ^2/NDF:42.9/41

Out: -0.019+/-0.012 χ^2/NDF:55.4/48

All: -0.018+/-0.009 χ^2/NDF: 98.4/90

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.016+/-0.018 χ^2/NDF: 2266379.8/18

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 61.985+/-0.016 χ^2/NDF: 3572424.1/23

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

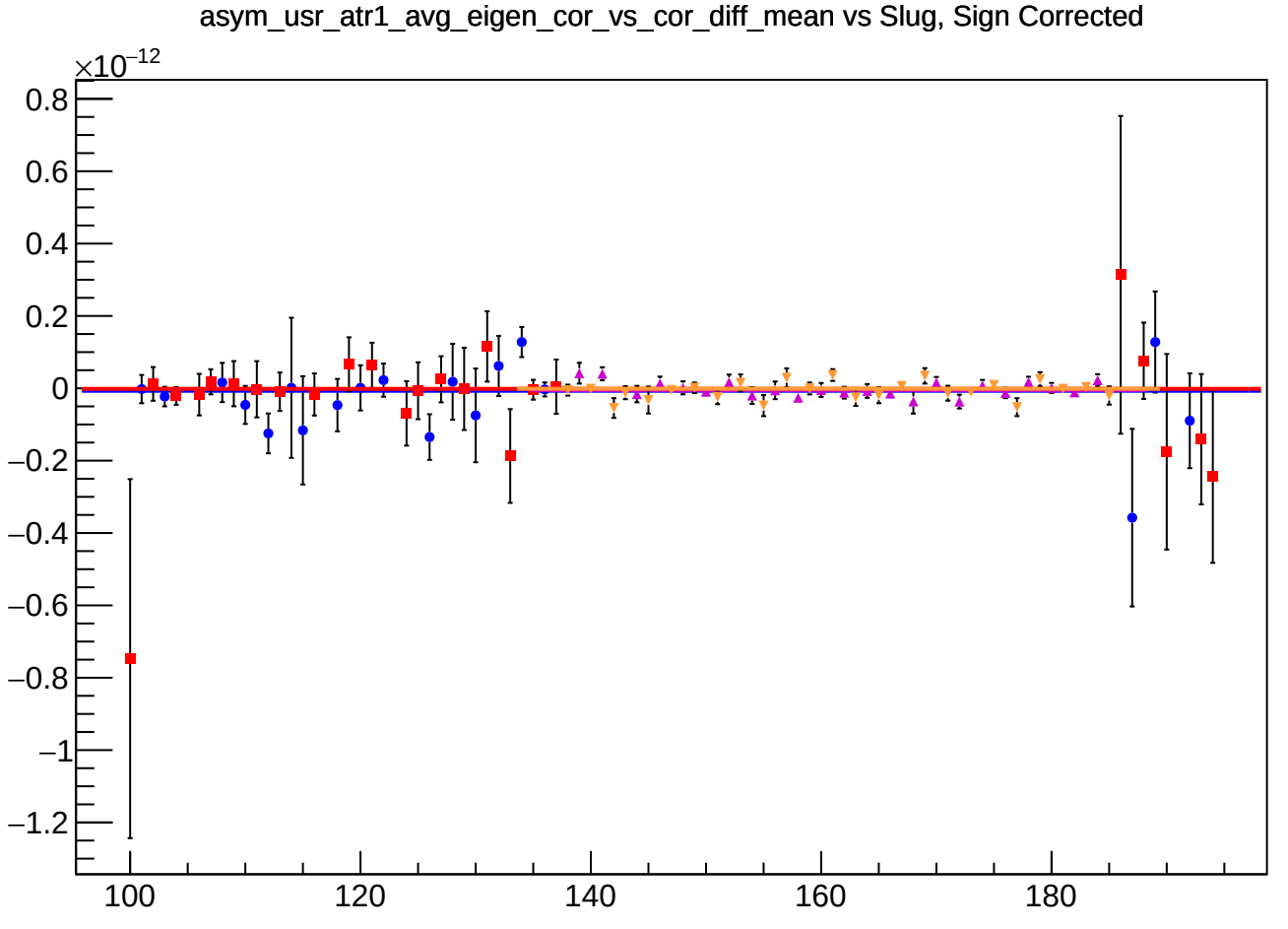
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

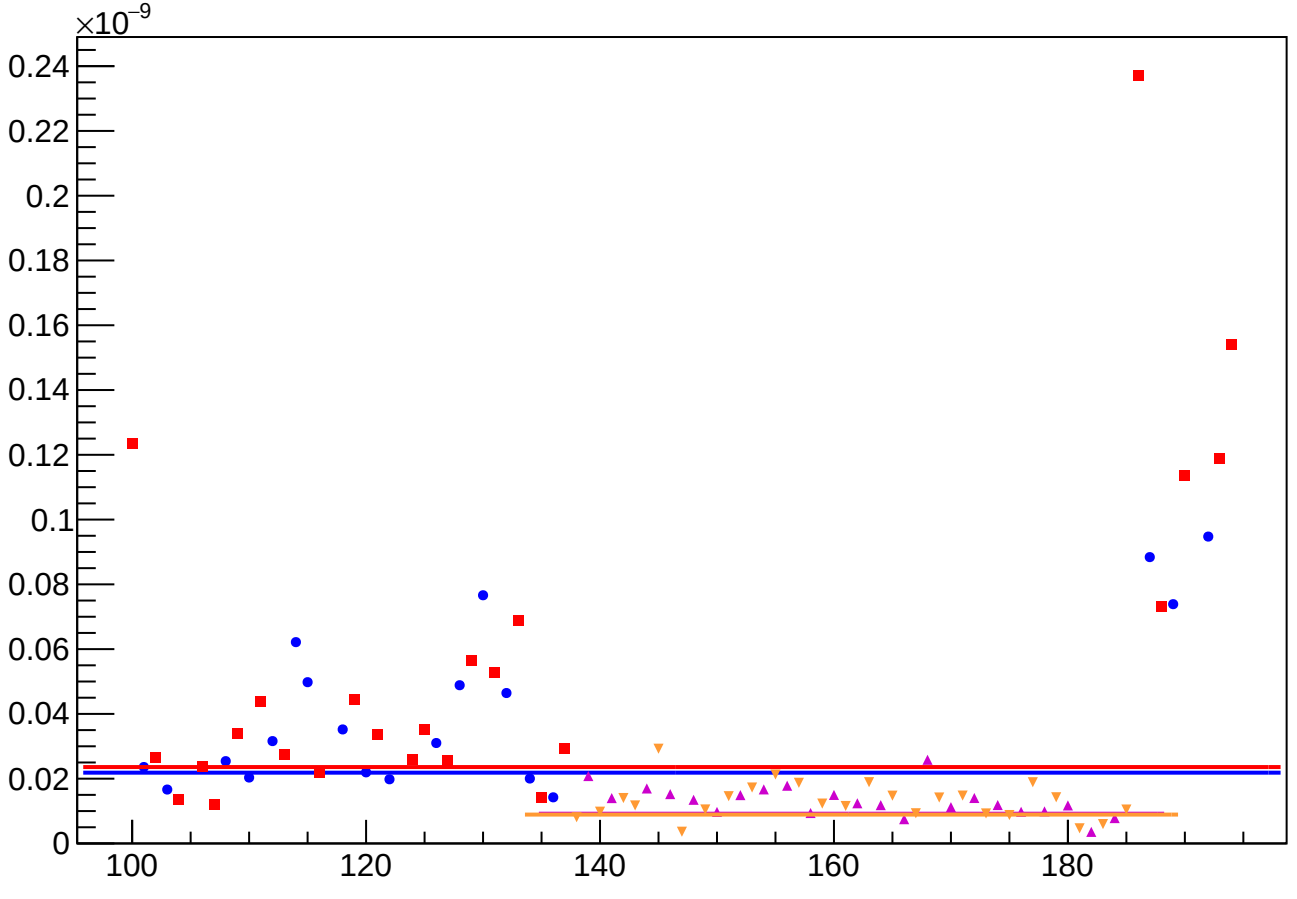
Right: 63.318+/-0.012 χ^2/NDF: 5854903.1/42

In: 58.580+/-0.009 χ^2/NDF:4578581.7/41

Out: 58.001+/-0.009 χ^2/NDF:6458915.9/48

All: 58.279+/-0.006 χ^2/NDF: 11039703.8/90


asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 26.0/18
Left Out: -0.000+/-0.000 χ²/NDF:29.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 12.8/23
Left In: -0.000+/-0.000 χ²/NDF:28.4/22
Left: -0.000+/-0.000 χ²/NDF: 58.8/47
Right: -0.000+/-0.000 χ²/NDF: 38.9/42
In: -0.000+/-0.000 χ²/NDF:54.4/41
Out: -0.000+/-0.000 χ²/NDF:42.4/48
All: -0.000+/-0.000 χ²/NDF: 97.7/90



Right In: 0.000+/-0.000 χ^2/NDF: 2443524.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4233998.7/23

Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

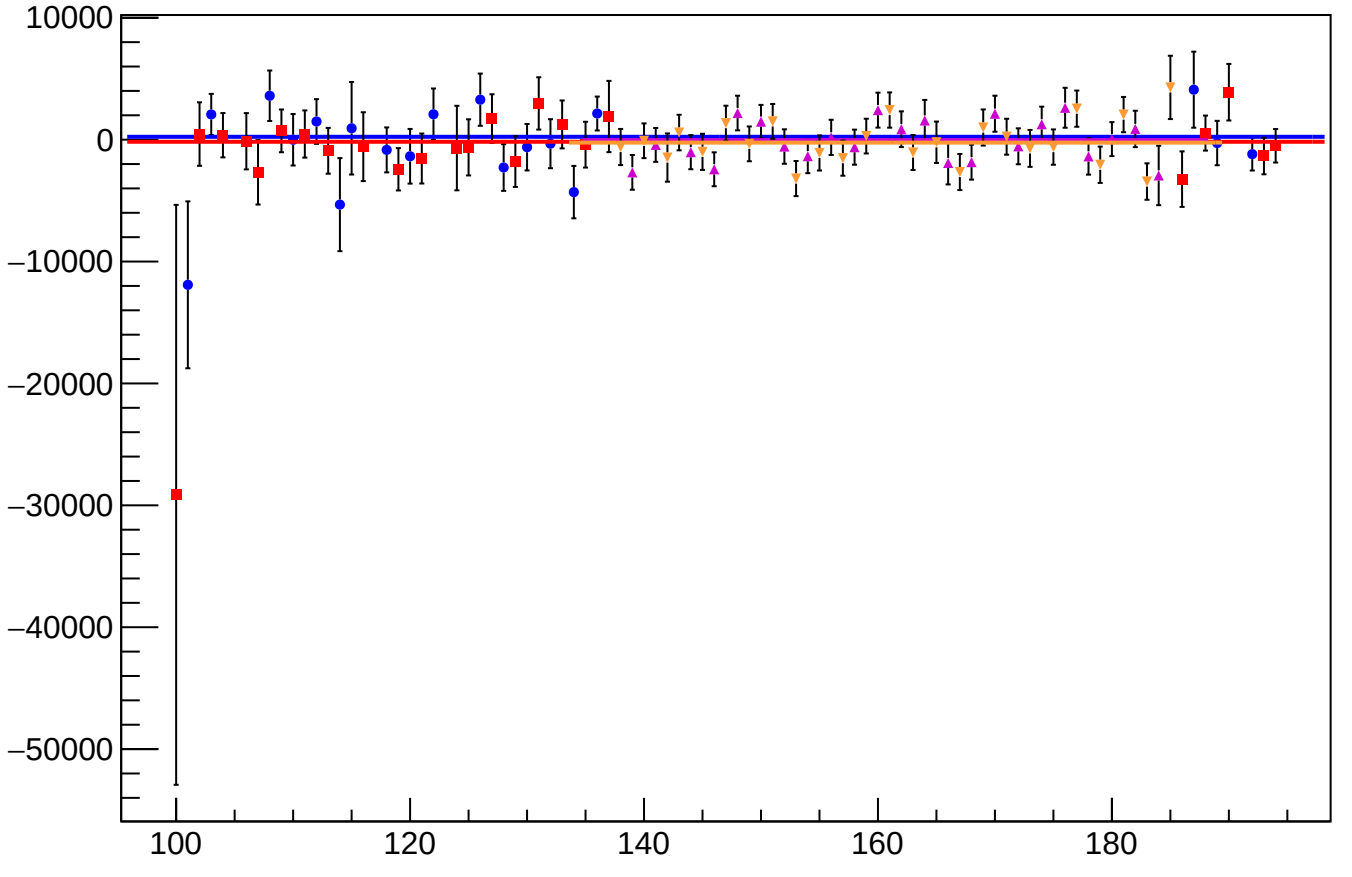
Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

Right: 0.000+/-0.000 χ^2/NDF: 6700293.1/42

In: 0.000+/-0.000 χ^2/NDF:9912349.9/41

Out: 0.000+/-0.000 χ^2/NDF:12216208.8/48

All: 0.000+/-0.000 χ^2/NDF: 22137600.0/90



Right In: 235.610+/-461.906 χ^2/NDF: 24.3/18

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: -173.031+/-414.565 χ^2/NDF: 15.8/23

Left In: -39.122+/-308.622 χ^2/NDF:27.1/22

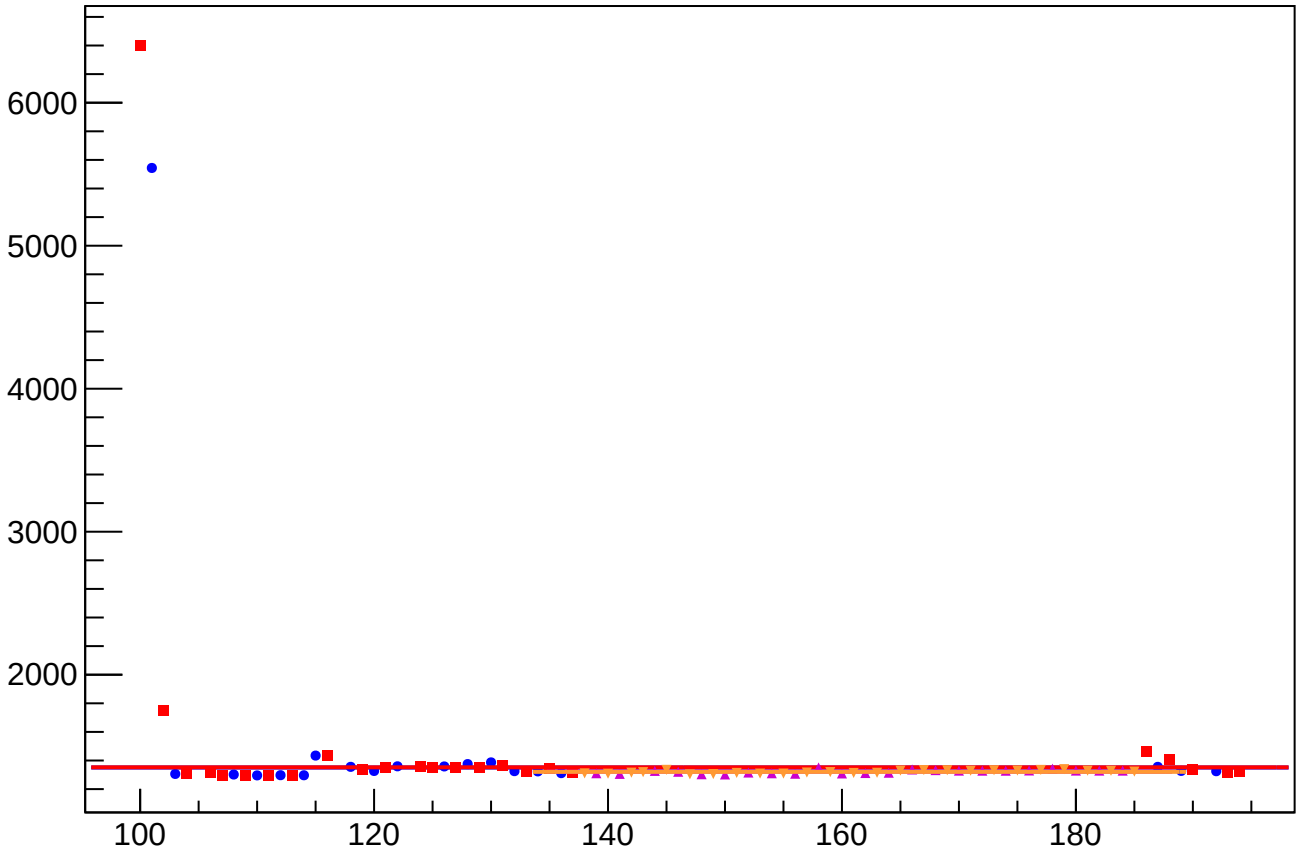
Left: -142.853+/-215.118 χ^2/NDF: 59.1/47

Right: 9.282+/-308.525 χ^2/NDF: 40.5/42

In: 45.671+/-256.613 χ^2/NDF:51.7/41

Out: -217.556+/-243.043 χ^2/NDF:47.5/48

All: -93.086+/-176.460 χ^2/NDF: 99.8/90



Right In: 1350.837+/-0.327 χ^2/NDF: 761558.4/18

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1352.390+/-0.293 χ^2/NDF: 157203.3/23

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

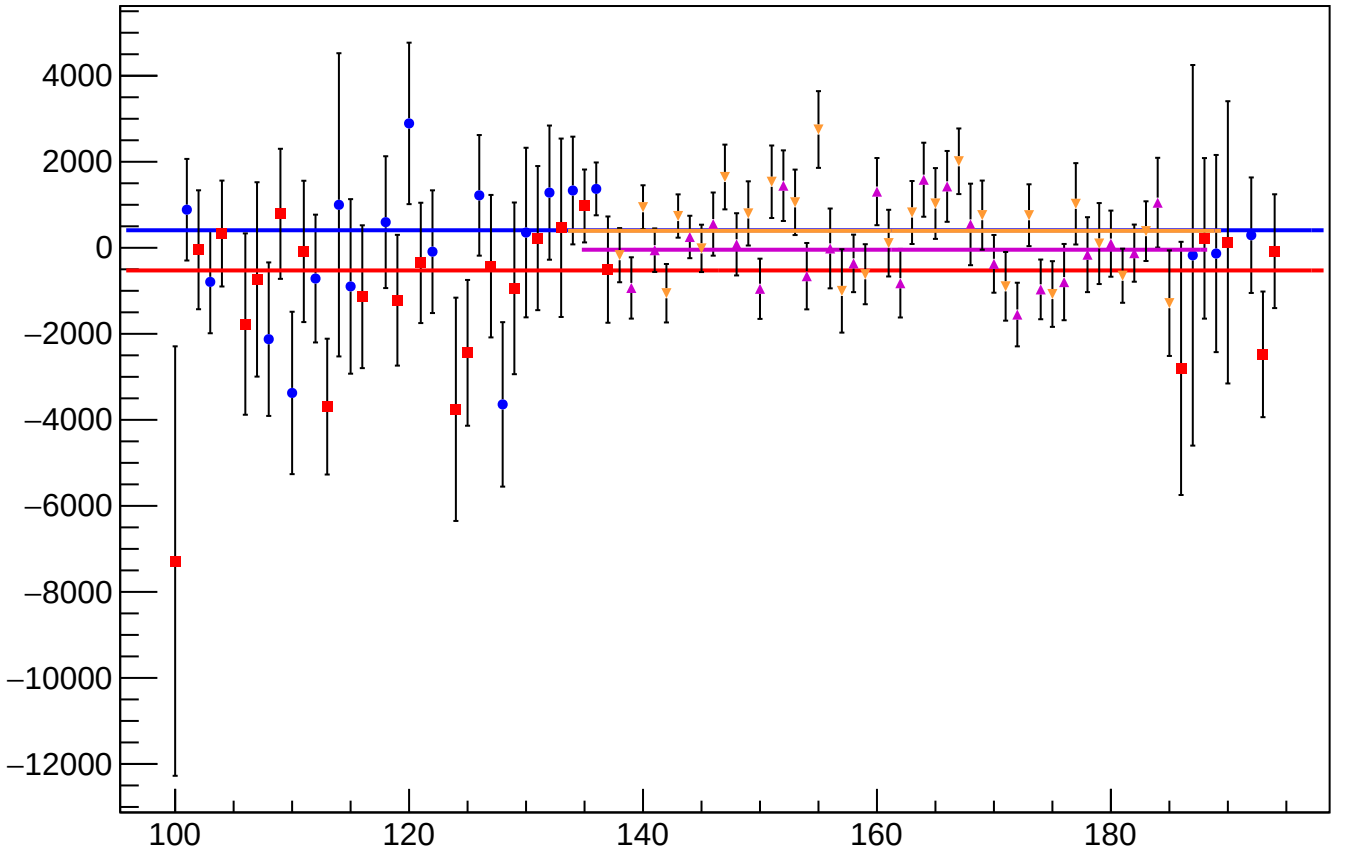
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1351.697+/-0.218 χ^2/NDF: 918774.2/42

In: 1330.750+/-0.181 χ^2/NDF:770582.5/41

Out: 1331.618+/-0.172 χ^2/NDF:167455.9/48

All: 1331.208+/-0.125 χ^2/NDF: 938050.4/90



Right In: 407.855+/-324.010 χ^2/NDF: 18.3/18

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: -526.366+/-325.404 χ^2/NDF: 17.1/23

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

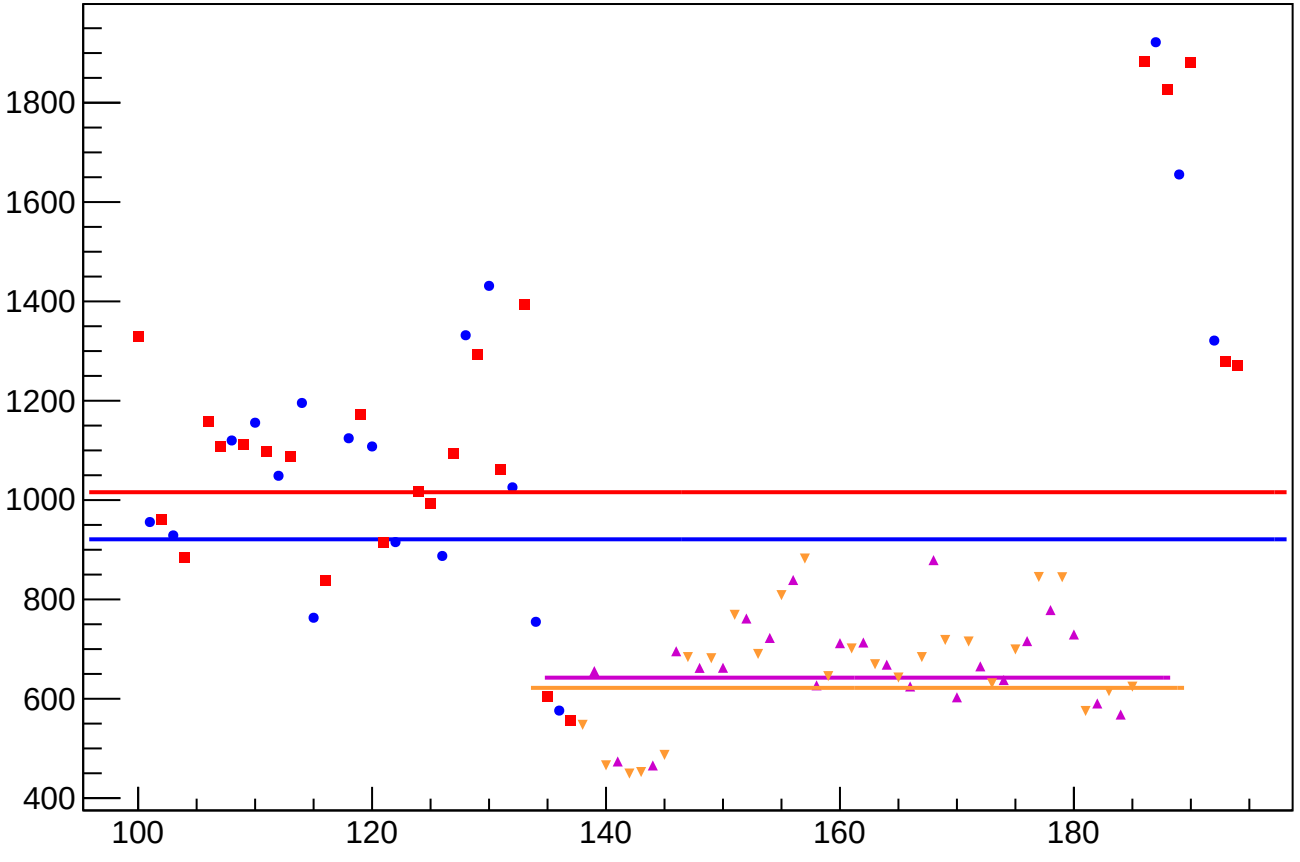
Right: -57.250+/-229.601 χ^2/NDF: 39.6/42

In: 37.160+/-137.857 χ^2/NDF:47.5/41

Out: 242.756+/-132.112 χ^2/NDF:65.7/48

All: 144.331+/-95.383 χ^2/NDF: 114.3/90

asym_usr_atr1_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 921.020+/-0.229 χ^2/NDF: 1539152.1/18

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 1015.855+/-0.230 χ^2/NDF: 1806401.0/23

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

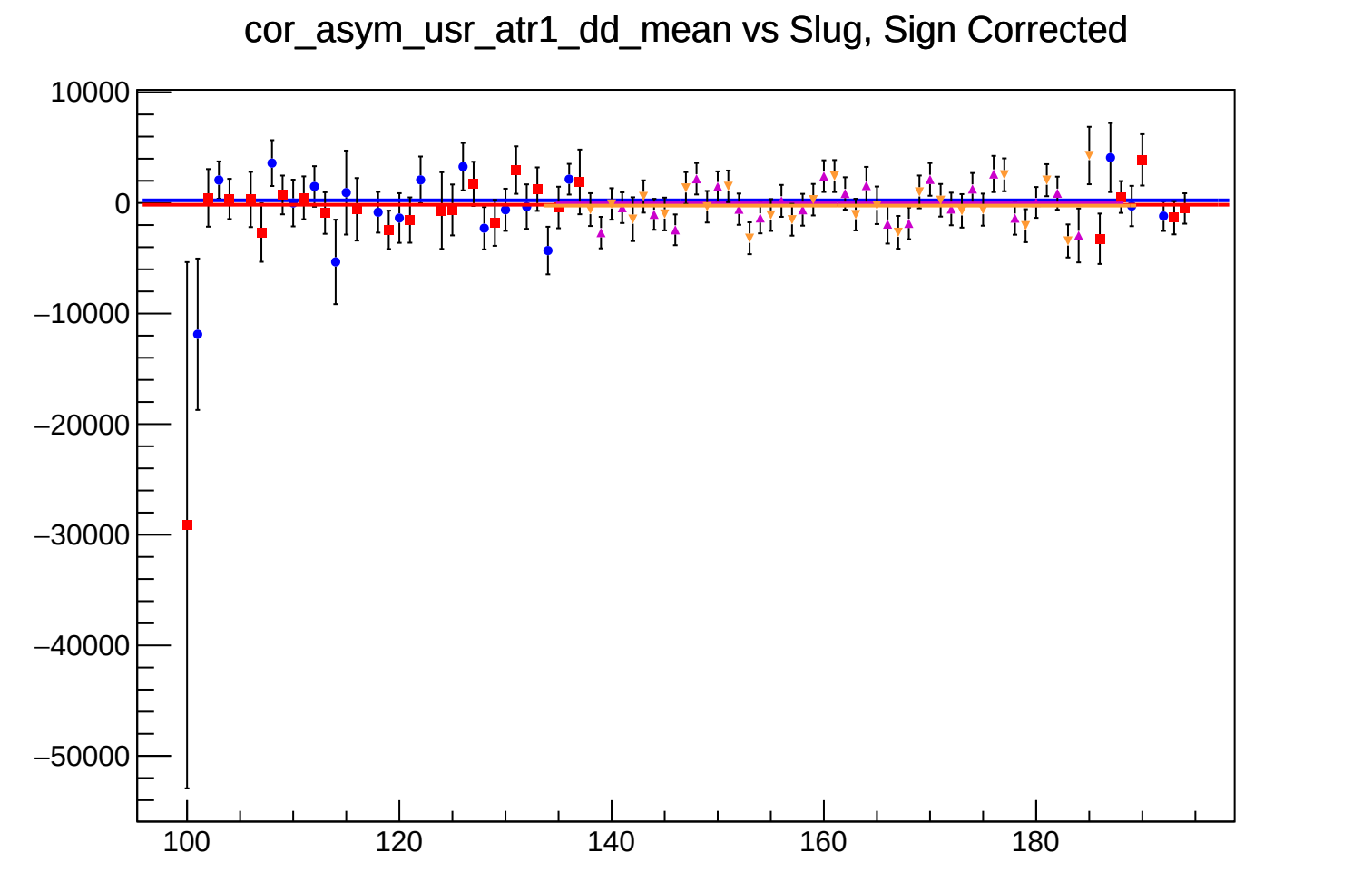
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

Right: 968.234+/-0.162 χ^2/NDF: 3430852.9/42

In: 692.895+/-0.097 χ^2/NDF:3676050.6/41

Out: 686.877+/-0.093 χ^2/NDF:5637474.1/48

All: 689.758+/-0.067 χ^2/NDF: 9315511.0/90



Right In: 235.844+/-461.906 χ^2/NDF: 24.3/18

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -161.167+/-415.532 χ^2/NDF: 15.8/23

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

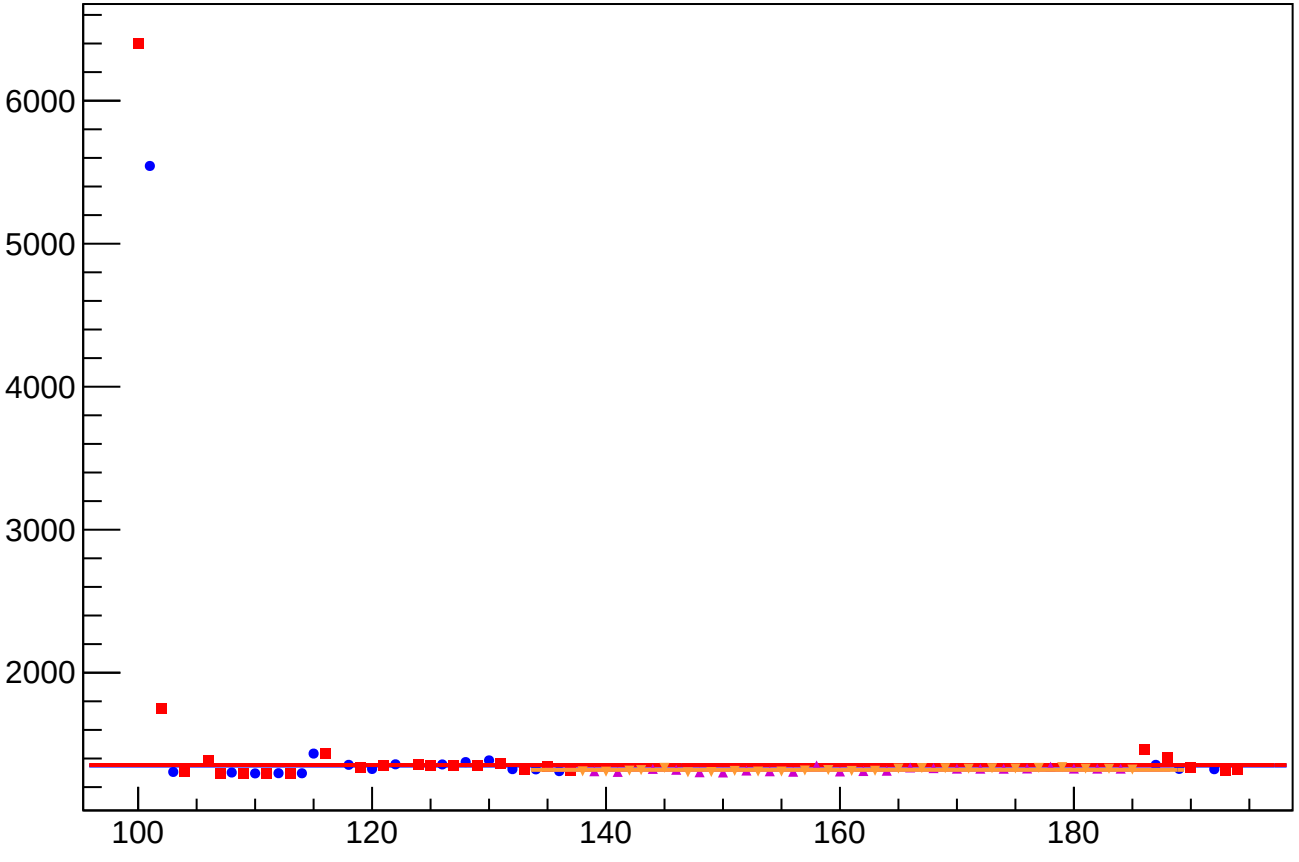
Right: 16.414+/-308.923 χ^2/NDF: 40.5/42

In: 45.694+/-256.613 χ^2/NDF:51.7/41

Out: -213.563+/-243.237 χ^2/NDF:47.6/48

All: -90.867+/-176.534 χ^2/NDF: 99.8/90

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1350.837+/-0.327 χ^2/NDF: 761557.5/18

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1354.530+/-0.294 χ^2/NDF: 157119.0/23

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

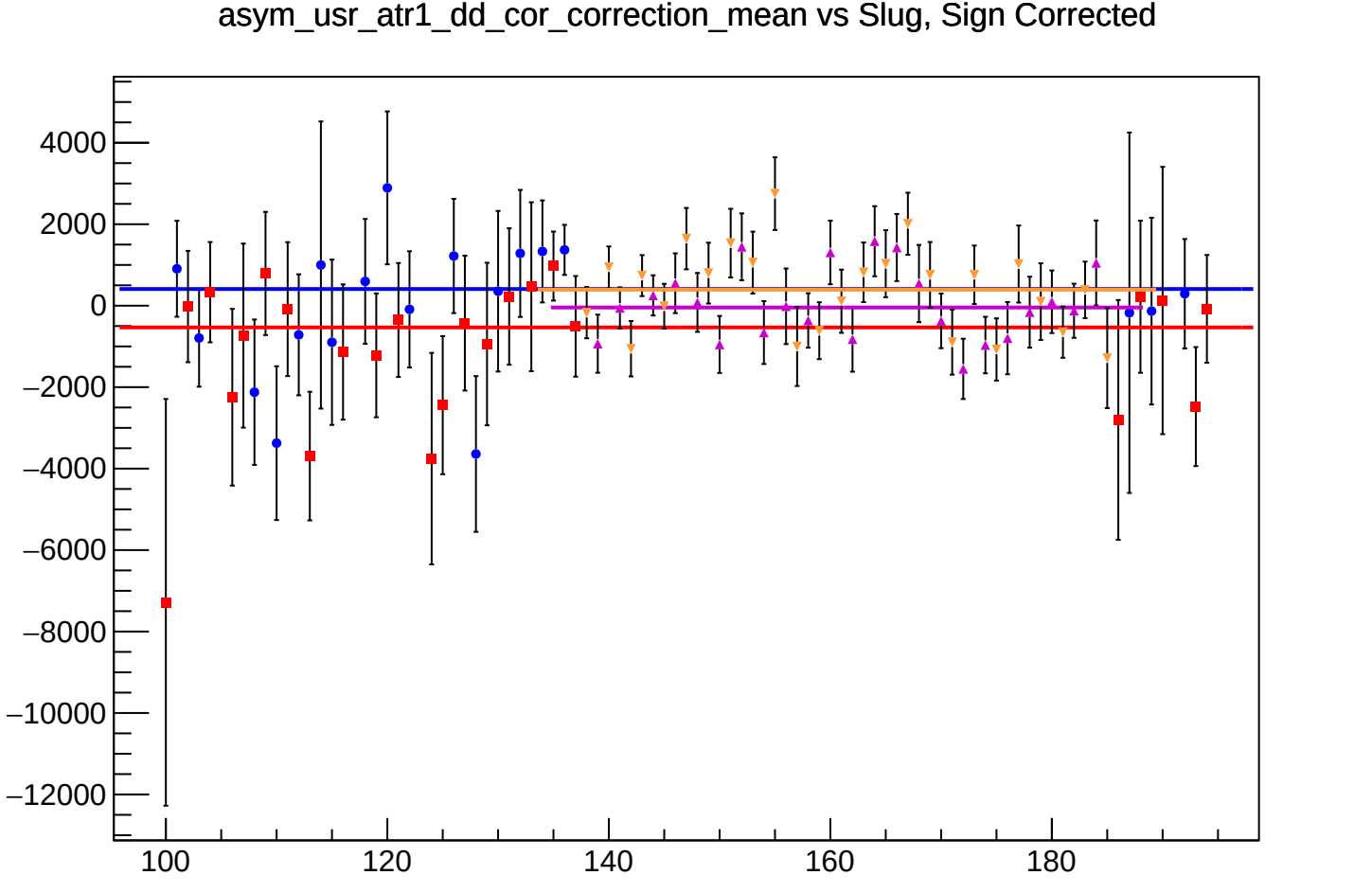
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1352.878+/-0.218 χ^2/NDF: 918747.1/42

In: 1330.750+/-0.181 χ^2/NDF:770581.5/41

Out: 1332.318+/-0.172 χ^2/NDF:168414.4/48

All: 1331.576+/-0.125 χ^2/NDF: 939035.3/90



Right In: 409.487+/-323.961 χ^2/NDF: 18.3/18

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -533.472+/-325.408 χ^2/NDF: 17.4/23

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

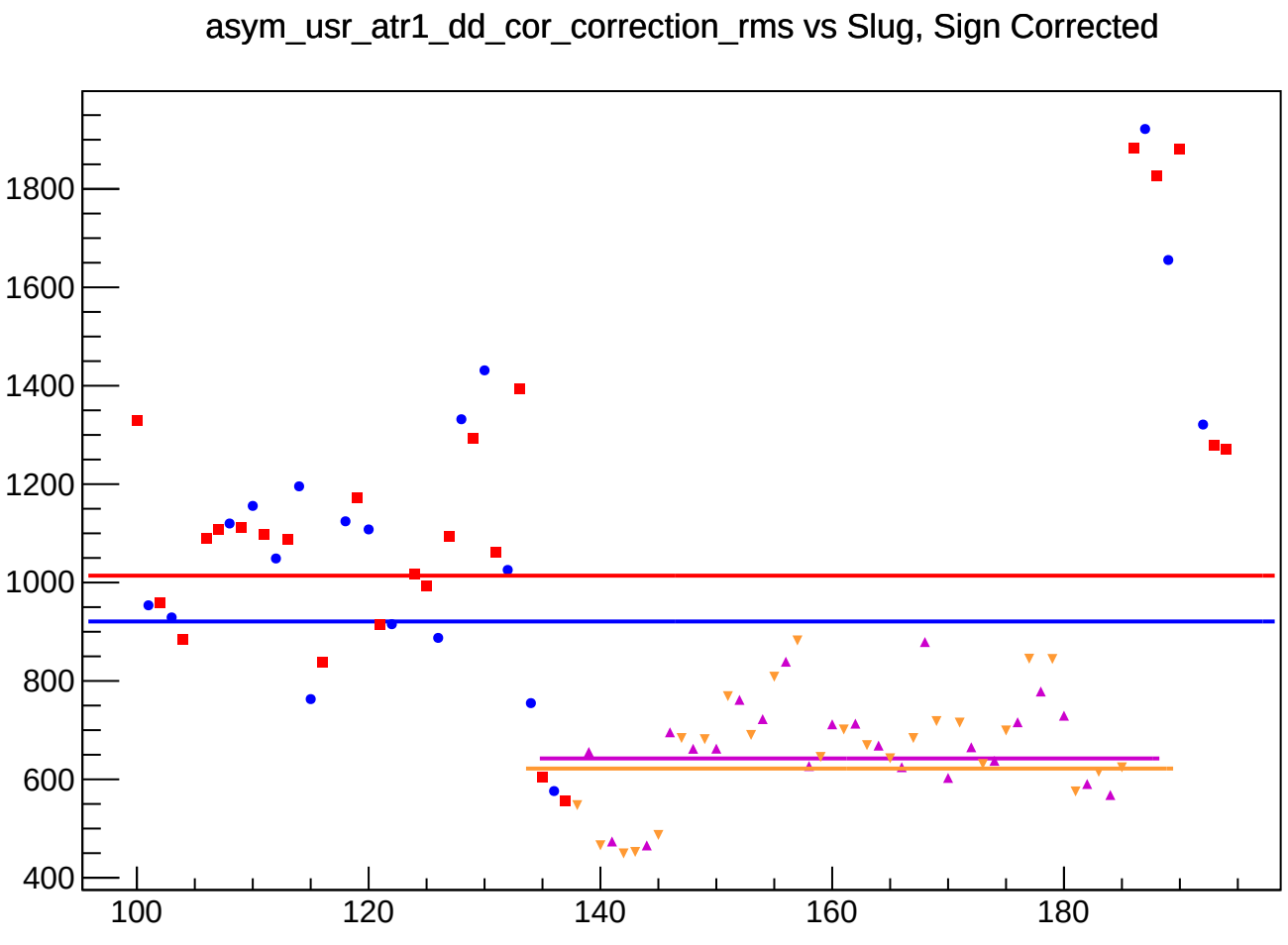
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: -59.891+/-229.585 χ^2/NDF: 40.0/42

In: 37.485+/-137.852 χ^2/NDF:47.5/41

Out: 241.564+/-132.112 χ^2/NDF:66.1/48

All: 143.862+/-95.382 χ^2/NDF: 114.7/90



Right In: 920.890+/-0.229 χ^2/NDF: 1538918.7/18

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1013.990+/-0.230 χ^2/NDF: 1799931.9/23

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

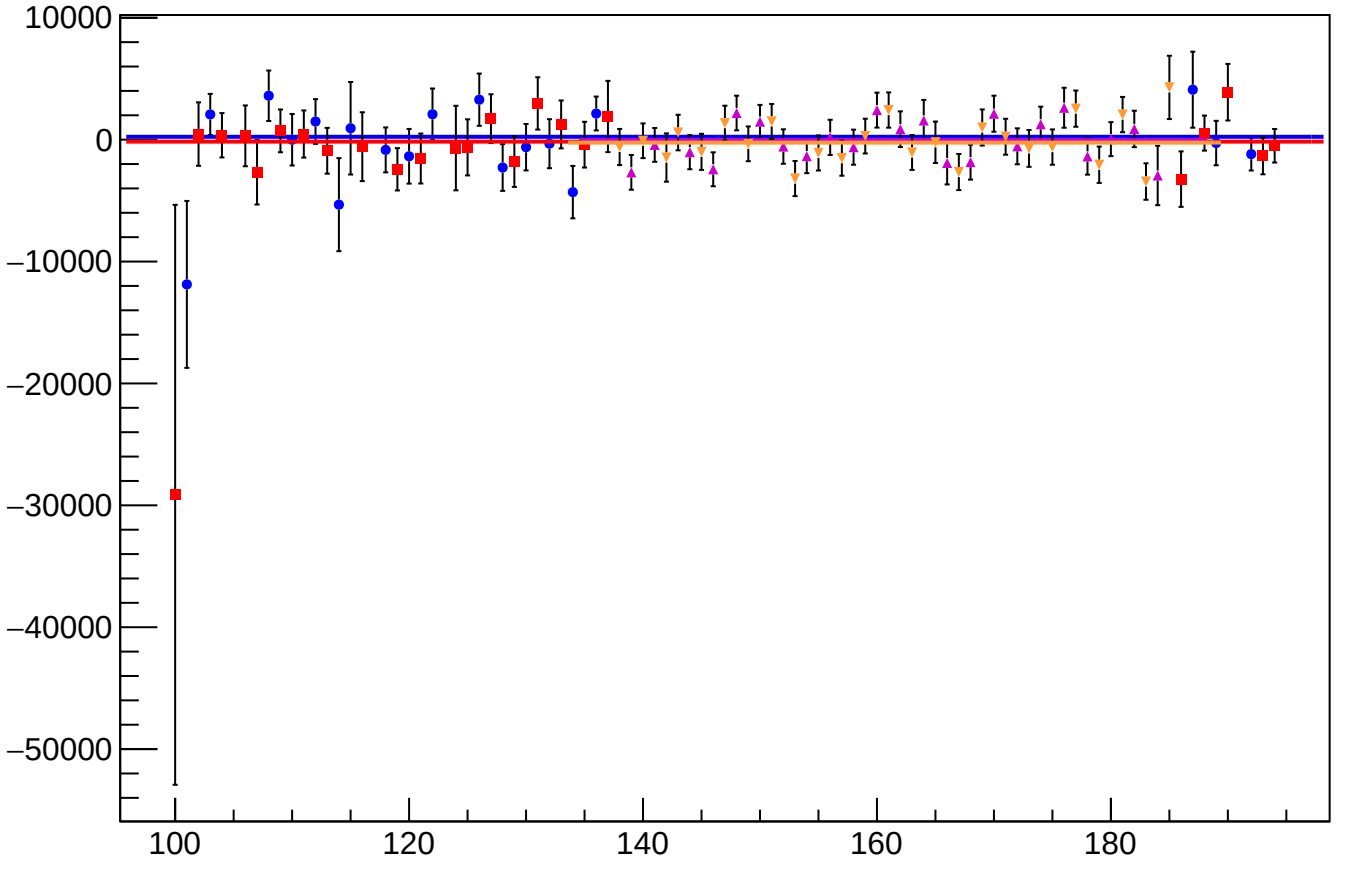
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 967.232+/-0.162 χ^2/NDF: 3421070.2/42

In: 692.879+/-0.097 χ^2/NDF:3675078.0/41

Out: 686.569+/-0.093 χ^2/NDF:5607736.7/48

All: 689.590+/-0.067 χ^2/NDF: 9284999.5/90



Right In: 235.844+/-461.906 χ^2/NDF: 24.3/18

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -161.167+/-415.532 χ^2/NDF: 15.8/23

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

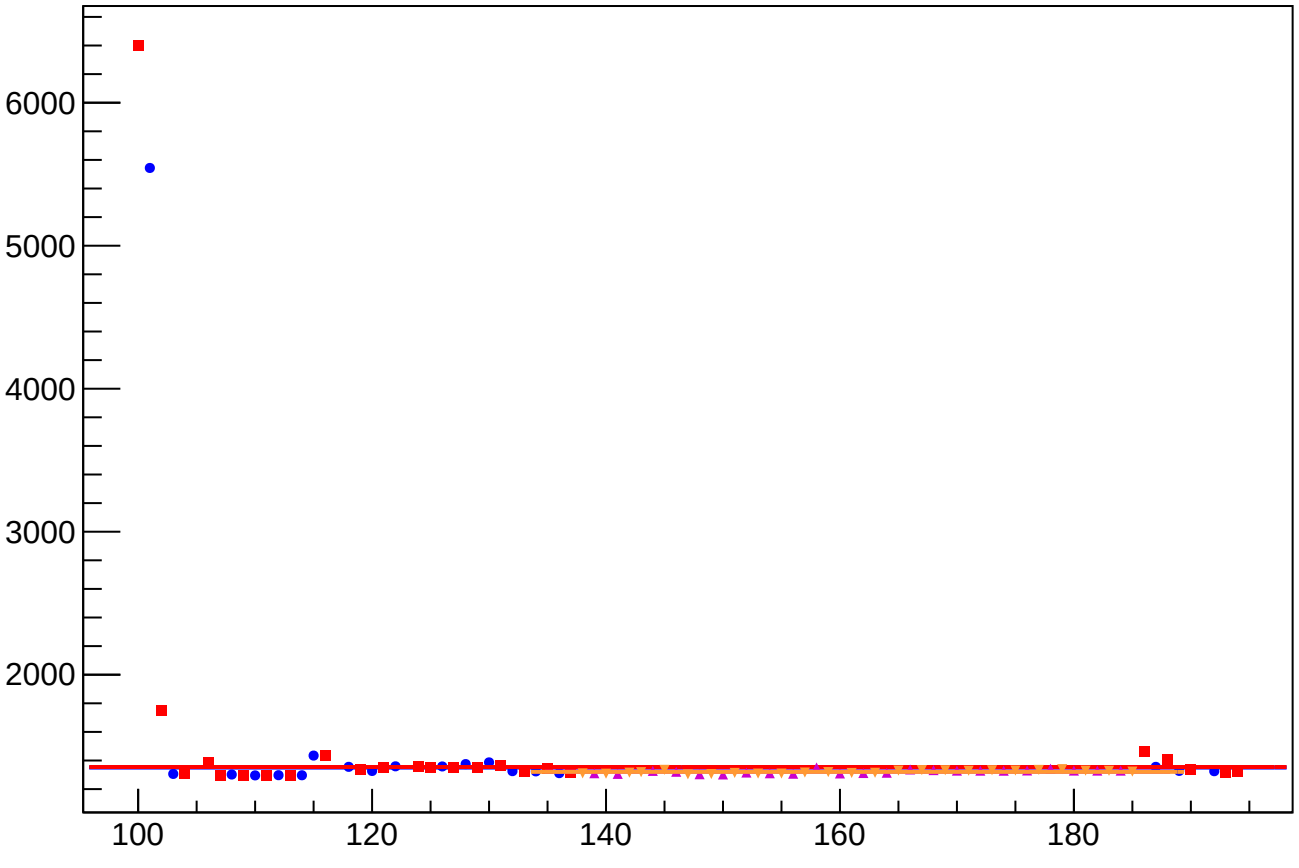
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: 16.414+/-308.923 χ^2/NDF: 40.5/42

In: 45.694+/-256.613 χ^2/NDF:51.7/41

Out: -213.563+/-243.237 χ^2/NDF:47.6/48

All: -90.867+/-176.534 χ^2/NDF: 99.8/90



Right In: 1350.837+/-0.327 χ^2/NDF: 761557.5/18

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1354.530+/-0.294 χ^2/NDF: 157119.0/23

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

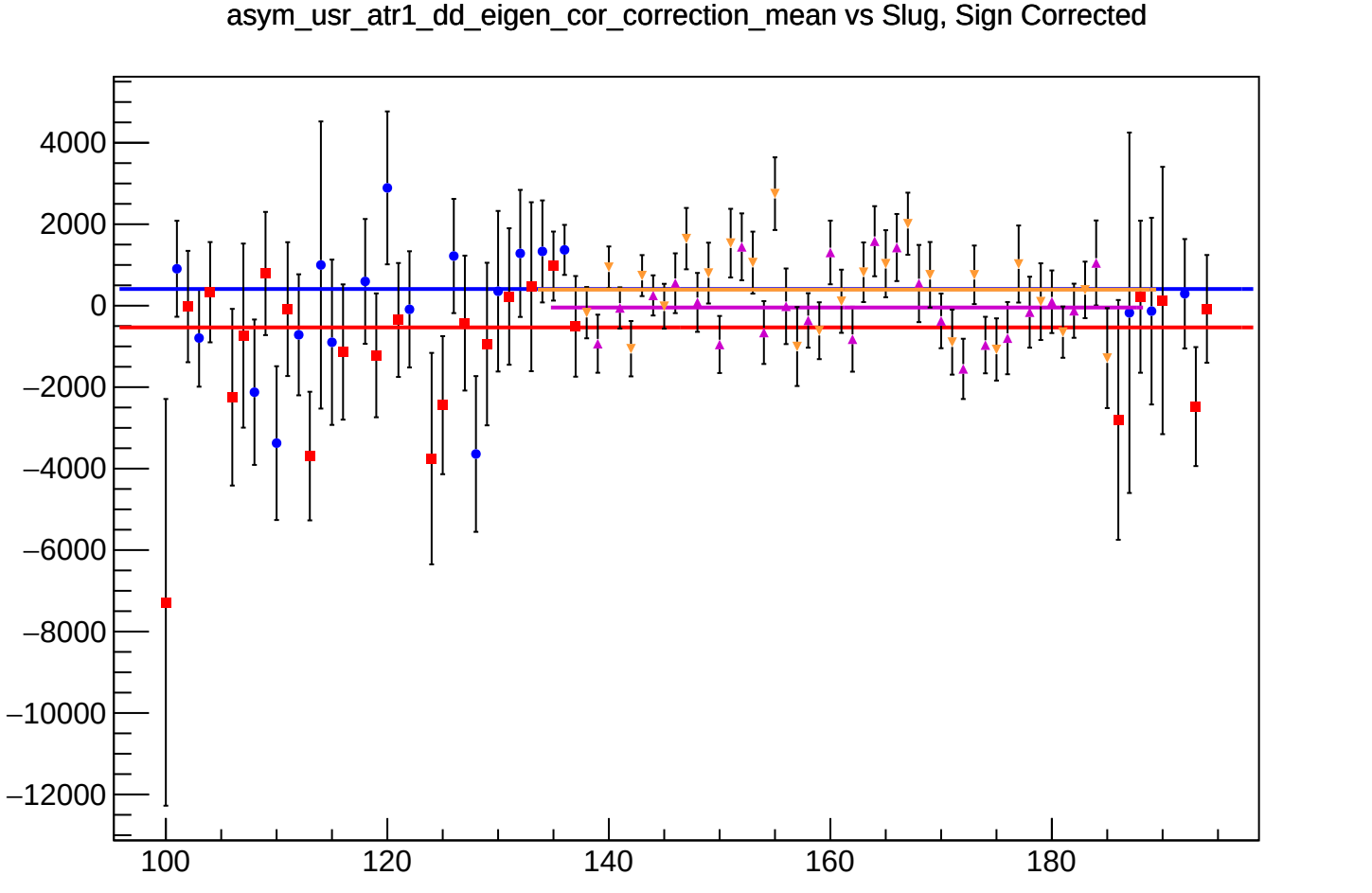
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1352.878+/-0.218 χ^2/NDF: 918747.1/42

In: 1330.750+/-0.181 χ^2/NDF:770581.5/41

Out: 1332.318+/-0.172 χ^2/NDF:168414.4/48

All: 1331.576+/-0.125 χ^2/NDF: 939035.3/90



Right In: 409.487+/-323.961 χ^2/NDF: 18.3/18

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -533.472+/-325.408 χ^2/NDF: 17.4/23

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

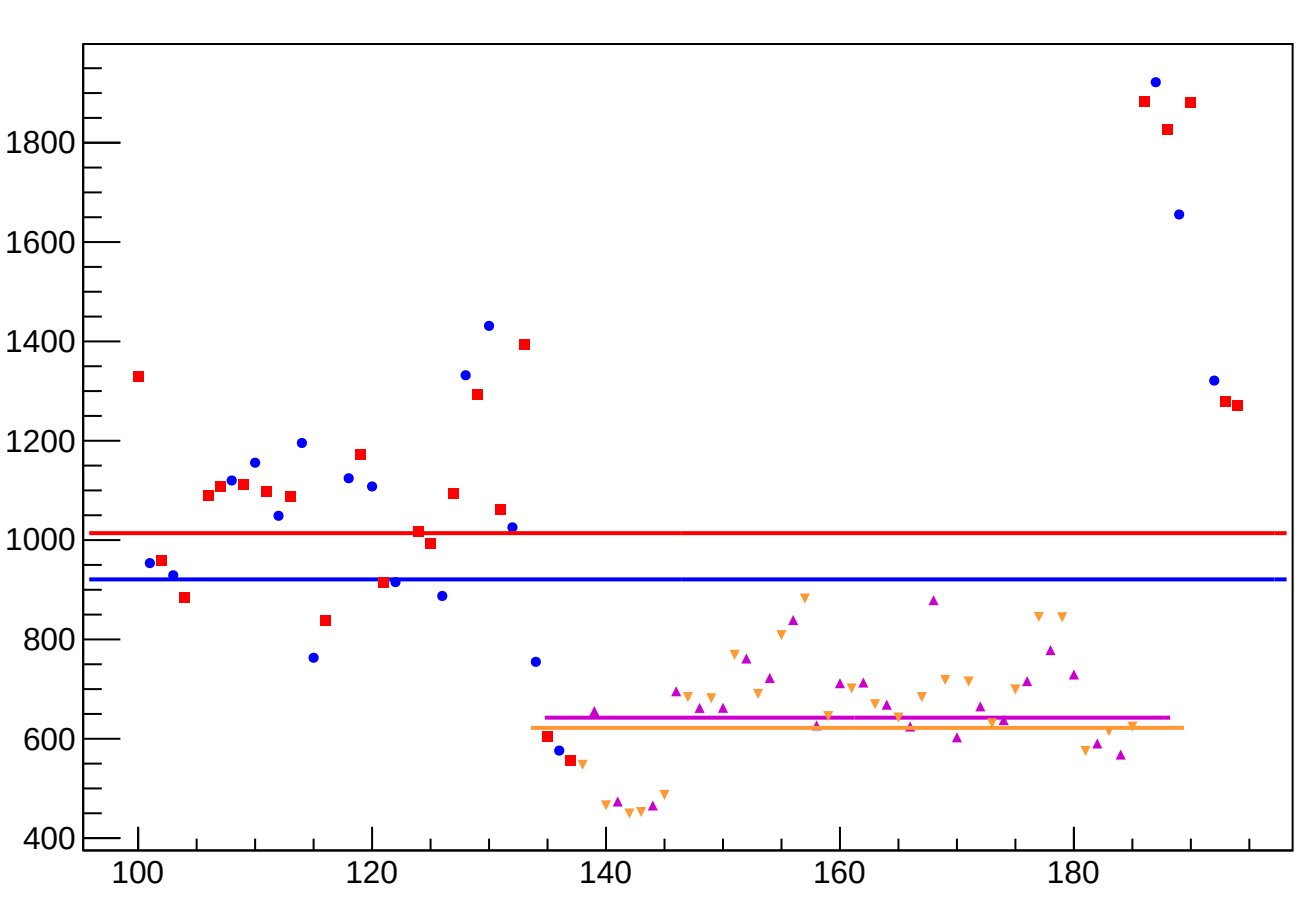
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: -59.891+/-229.585 χ^2/NDF: 40.0/42

In: 37.485+/-137.852 χ^2/NDF:47.5/41

Out: 241.564+/-132.112 χ^2/NDF:66.1/48

All: 143.862+/-95.382 χ^2/NDF: 114.7/90



Right In: 920.890+/-0.229 χ^2/NDF: 1538918.7/18

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1013.990+/-0.230 χ^2/NDF: 1799931.9/23

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

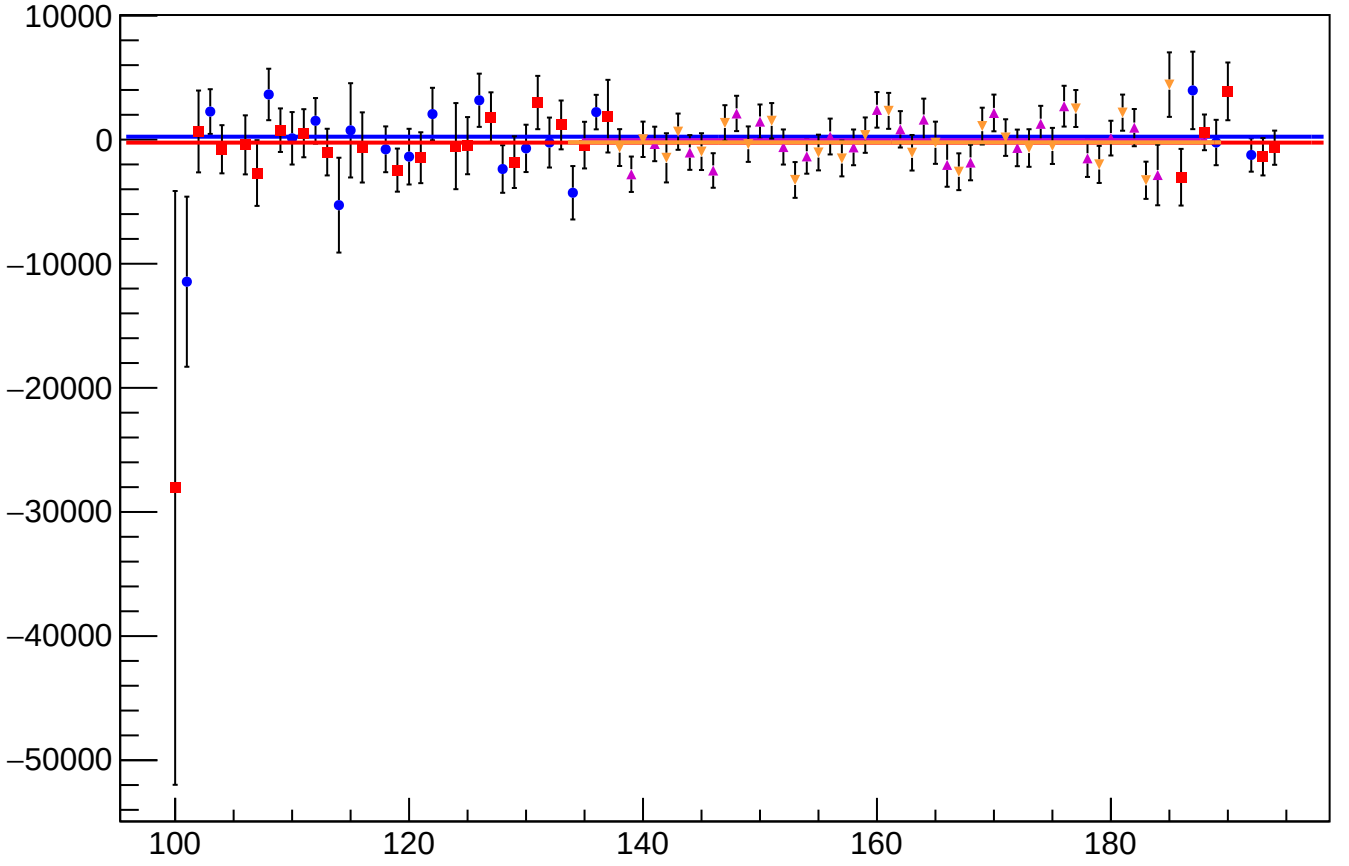
Right: 967.232+/-0.162 χ^2/NDF: 3421070.2/42

In: 692.879+/-0.097 χ^2/NDF:3675078.0/41

Out: 686.569+/-0.093 χ^2/NDF:5607736.7/48

All: 689.590+/-0.067 χ^2/NDF: 9284999.5/90

dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 235.019+/-464.444 χ^2/NDF: 24.2/18

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: -241.828+/-418.658 χ^2/NDF: 15.6/23

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

Left: -134.966+/-215.379 χ^2/NDF: 59.2/47

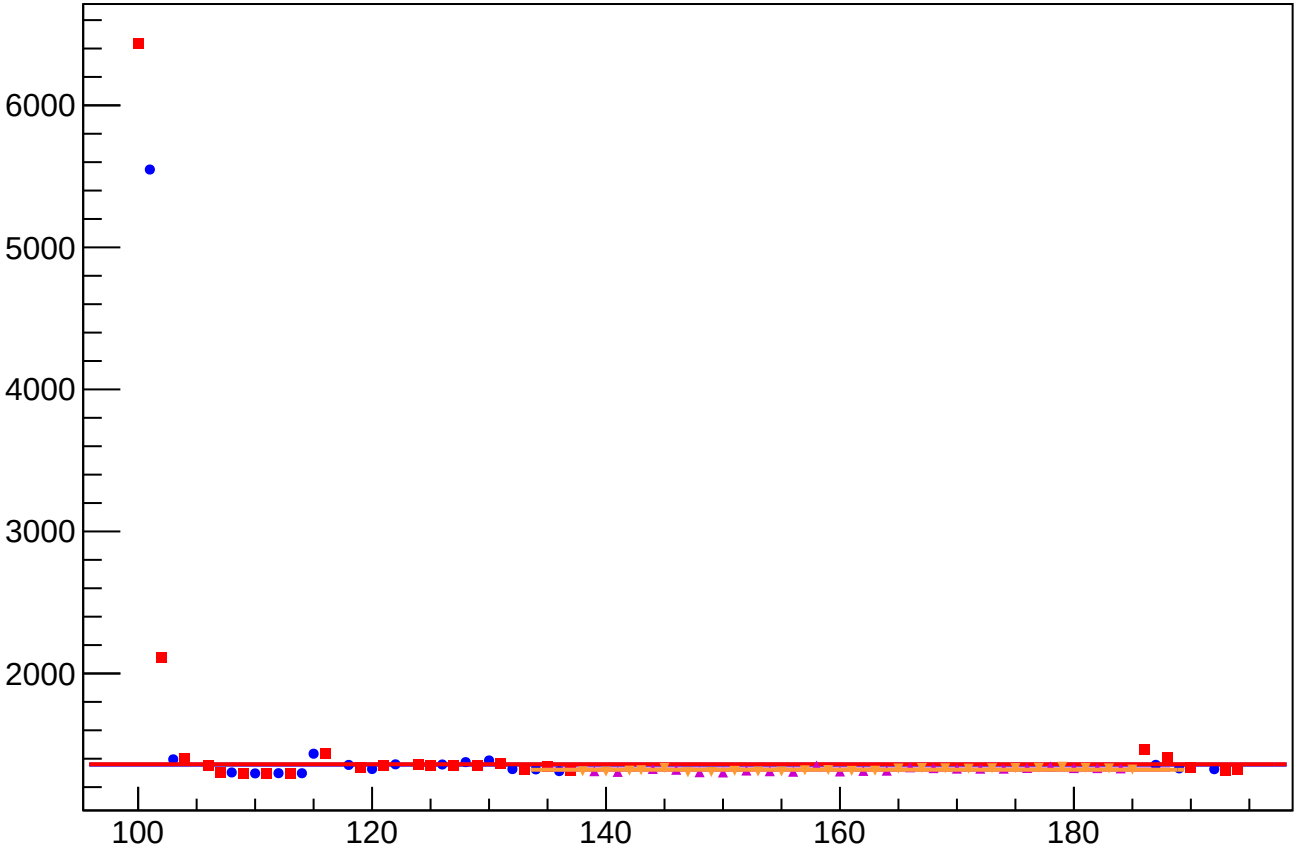
Right: -28.061+/-310.967 χ^2/NDF: 40.4/42

In: 37.277+/-257.256 χ^2/NDF:52.3/41

Out: -224.139+/-244.059 χ^2/NDF:46.9/48

All: -100.308+/-177.058 χ^2/NDF: 99.7/90

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1358.296+/-0.328 χ^2/NDF: 760862.3/18

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1361.066+/-0.296 χ^2/NDF: 215070.3/23

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

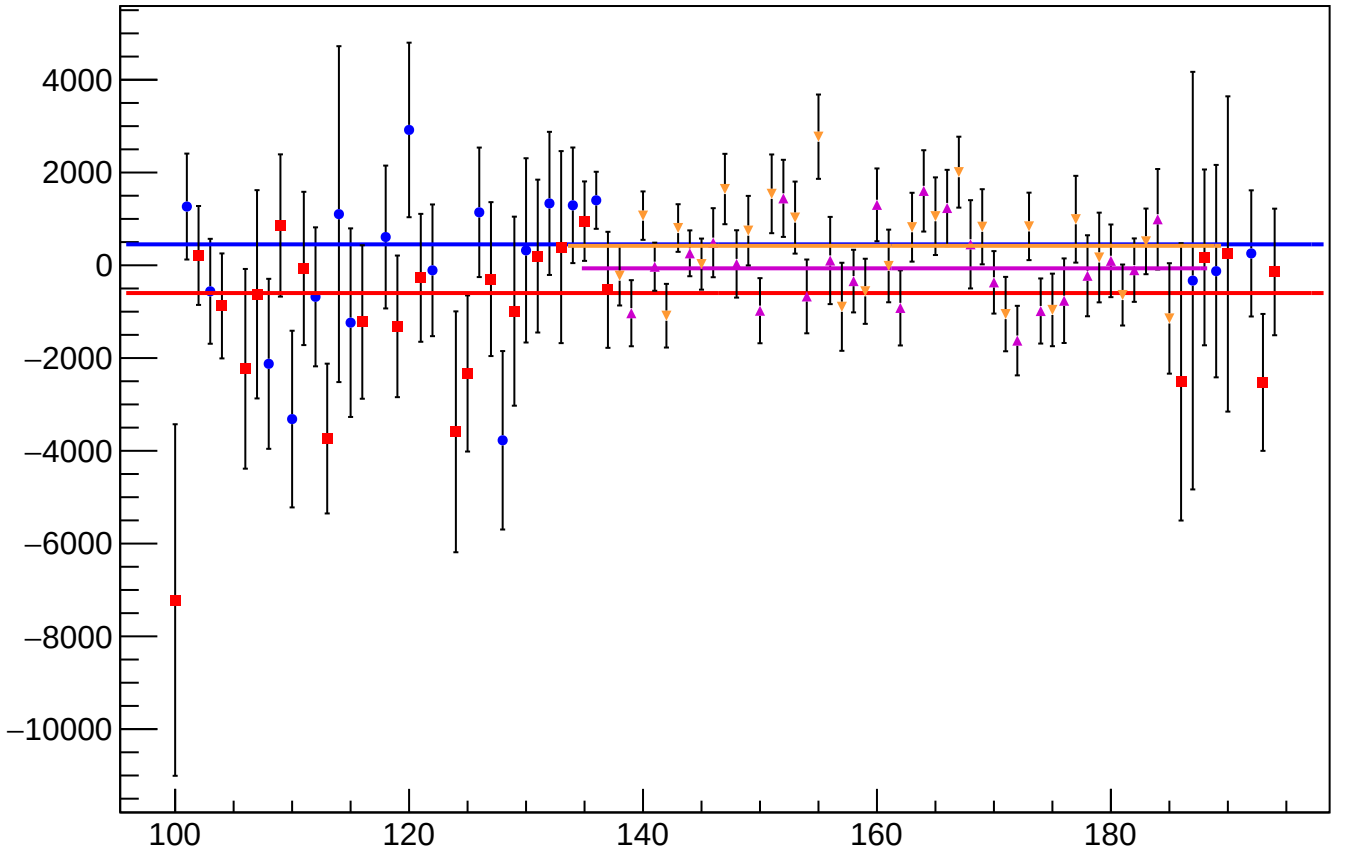
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1359.824+/-0.220 χ^2/NDF: 975971.9/42

In: 1334.063+/-0.182 χ^2/NDF:772573.1/41

Out: 1335.520+/-0.173 χ^2/NDF:229282.5/48

All: 1334.829+/-0.125 χ^2/NDF: 1001889.4/90



Right In: 451.592+/-322.564 χ^2/NDF: 18.7/18

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -598.501+/-319.095 χ^2/NDF: 18.1/23

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

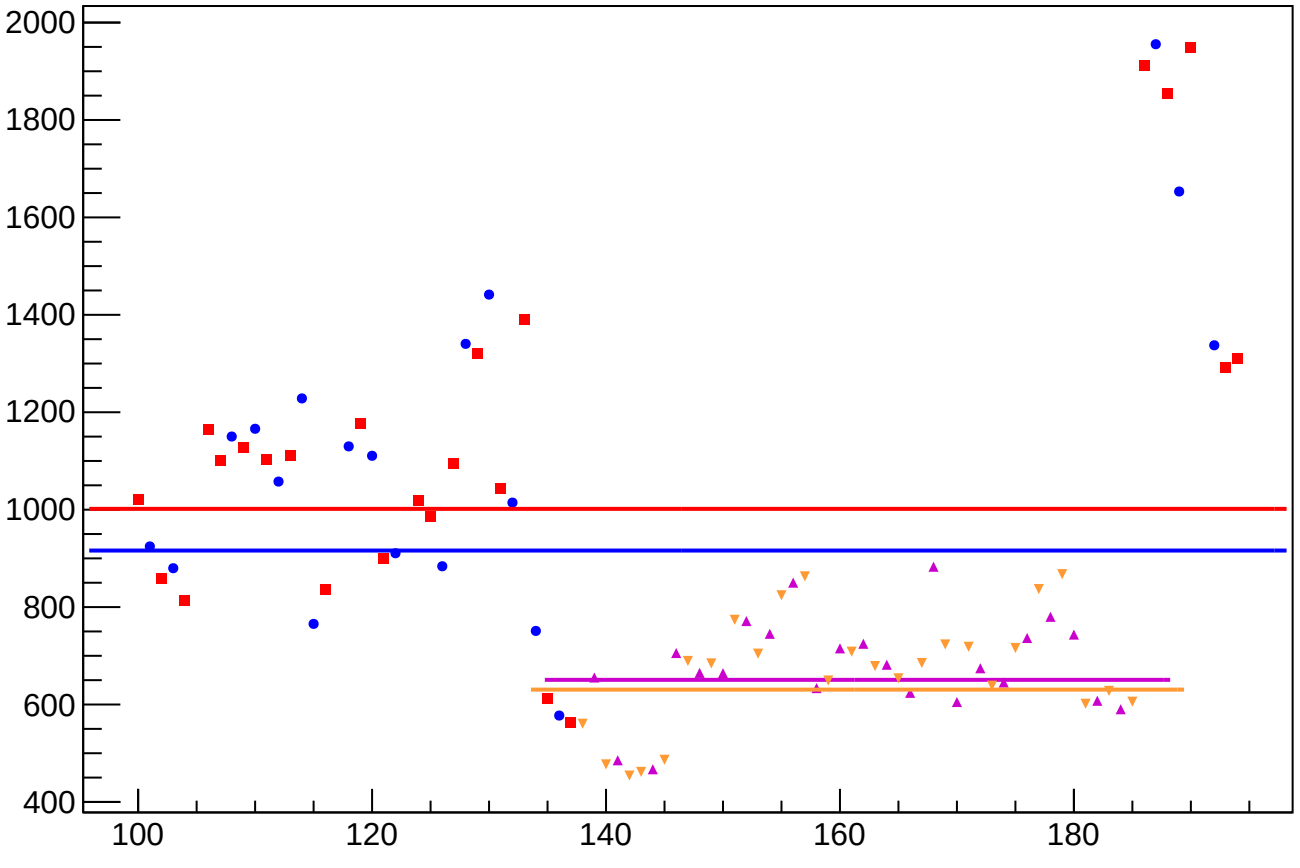
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: -79.132+/-226.851 χ^2/NDF: 42.2/42

In: 30.790+/-139.139 χ^2/NDF:47.9/41

Out: 242.735+/-133.091 χ^2/NDF:68.1/48

All: 141.469+/-96.176 χ^2/NDF: 117.1/90



Right In: 916.096+/-0.228 χ^2/NDF: 1567039.1/18

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 1001.656+/-0.226 χ^2/NDF: 1908598.6/23

Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

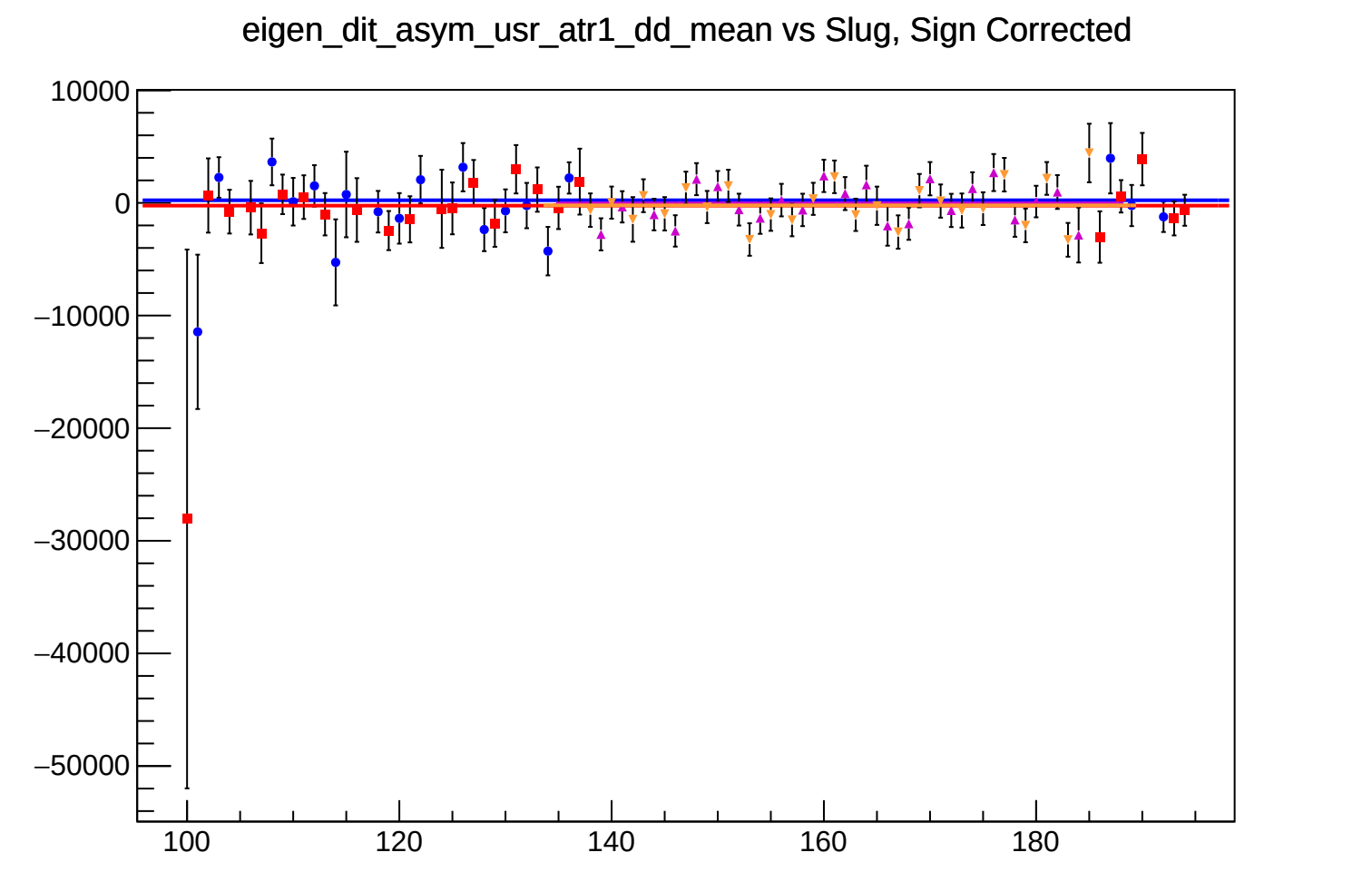
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

Right: 959.339+/-0.160 χ^2/NDF: 3546756.9/42

In: 700.029+/-0.098 χ^2/NDF:3591625.8/41

Out: 695.143+/-0.094 χ^2/NDF:5471222.3/48

All: 697.478+/-0.068 χ^2/NDF: 9064136.1/90



Right In: 235.019+/-464.444 χ^2/NDF: 24.2/18

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: -241.826+/-418.658 χ^2/NDF: 15.6/23

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

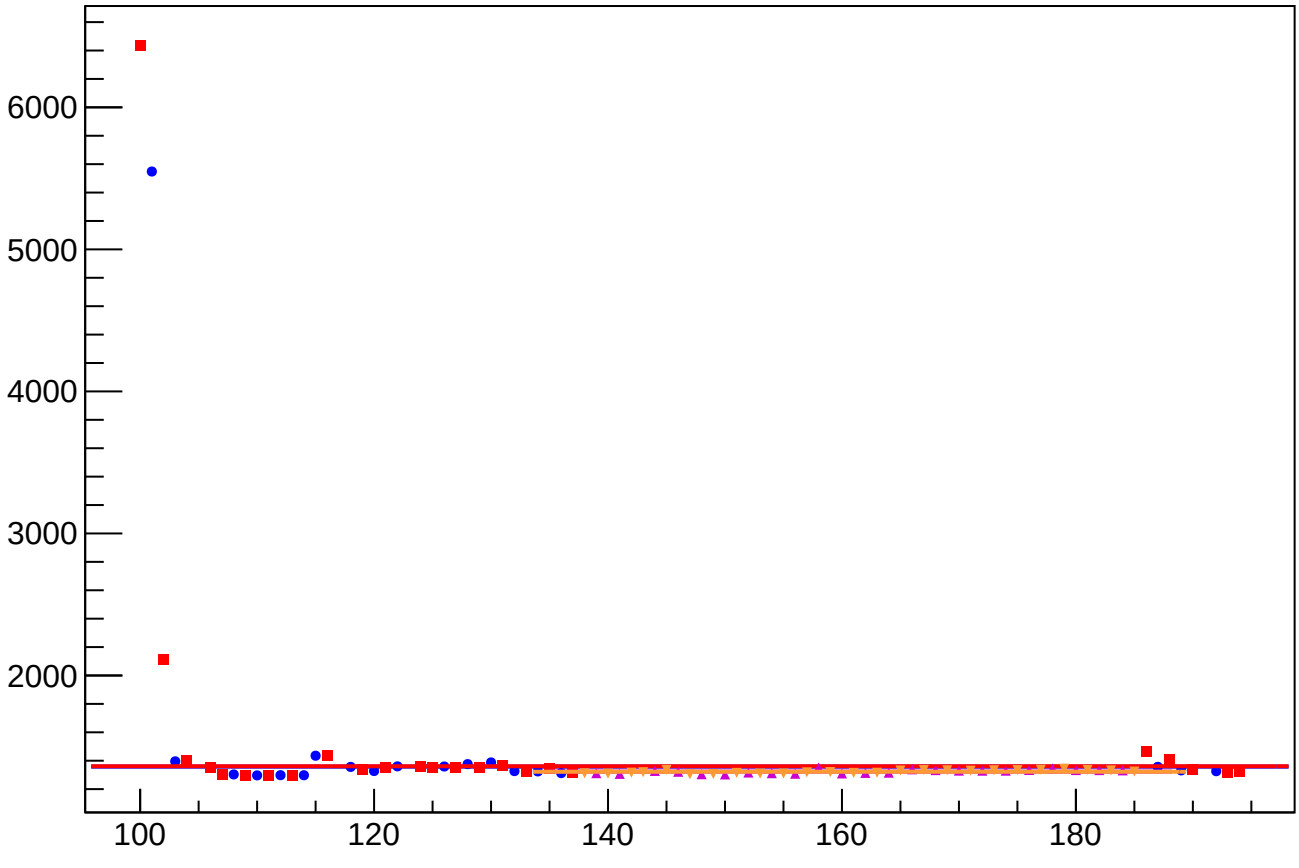
Left: -134.967+/-215.379 χ^2/NDF: 59.2/47

Right: -28.060+/-310.967 χ^2/NDF: 40.4/42

In: 37.277+/-257.256 χ^2/NDF:52.3/41

Out: -224.139+/-244.059 χ^2/NDF:46.9/48

All: -100.308+/-177.058 χ^2/NDF: 99.7/90



Right In: 1358.296+/-0.328 χ^2/NDF: 760862.3/18

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1361.066+/-0.296 χ^2/NDF: 215070.3/23

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

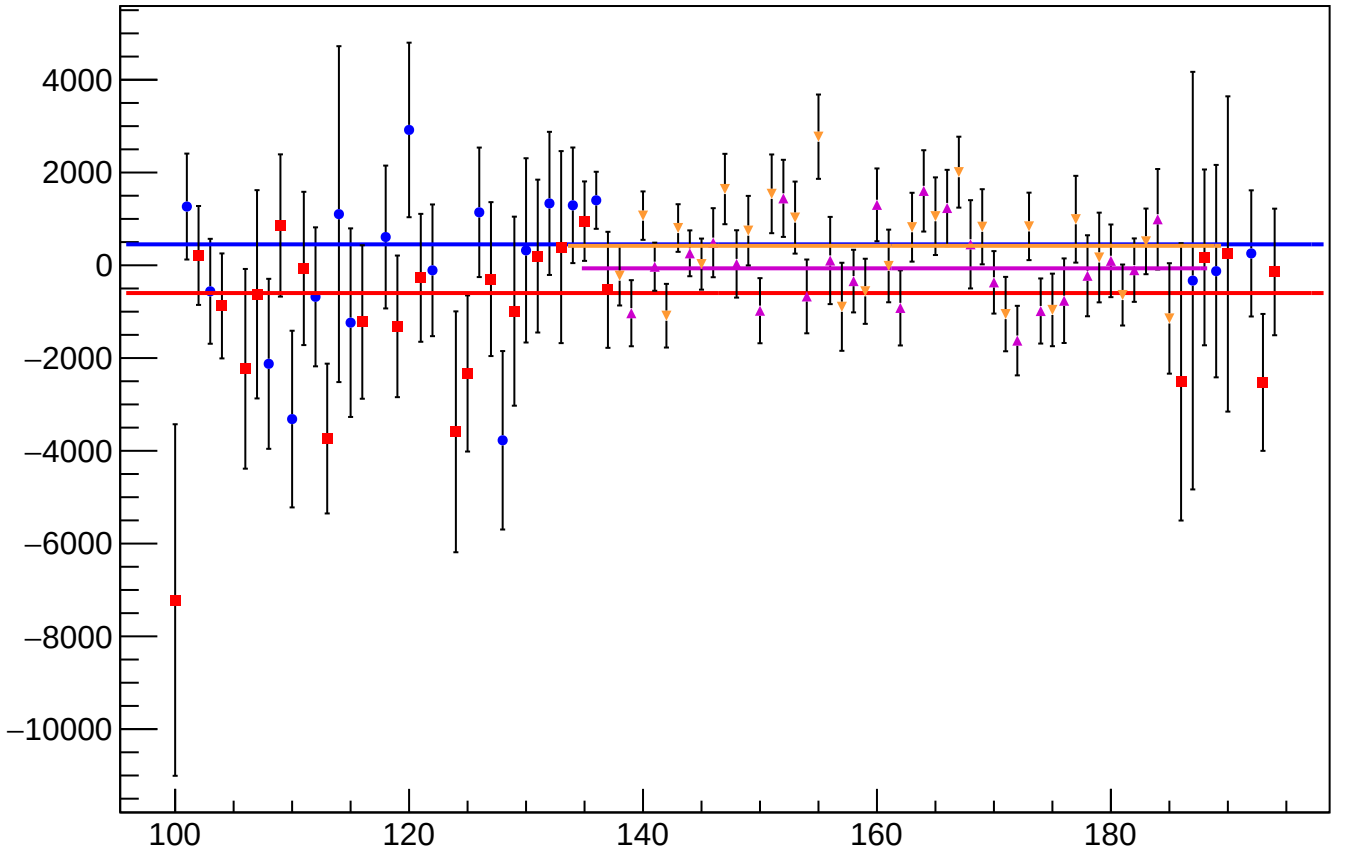
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1359.824+/-0.220 χ^2/NDF: 975971.9/42

In: 1334.063+/-0.182 χ^2/NDF:772573.1/41

Out: 1335.520+/-0.173 χ^2/NDF:229282.5/48

All: 1334.829+/-0.125 χ^2/NDF: 1001889.3/90



Right In: 451.589+/-322.563 χ^2/NDF: 18.7/18

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -598.499+/-319.094 χ^2/NDF: 18.1/23

Left In: -65.405+/-154.225 χ^2/NDF:27.0/22

Left: 189.810+/-106.193 χ^2/NDF: 73.8/47

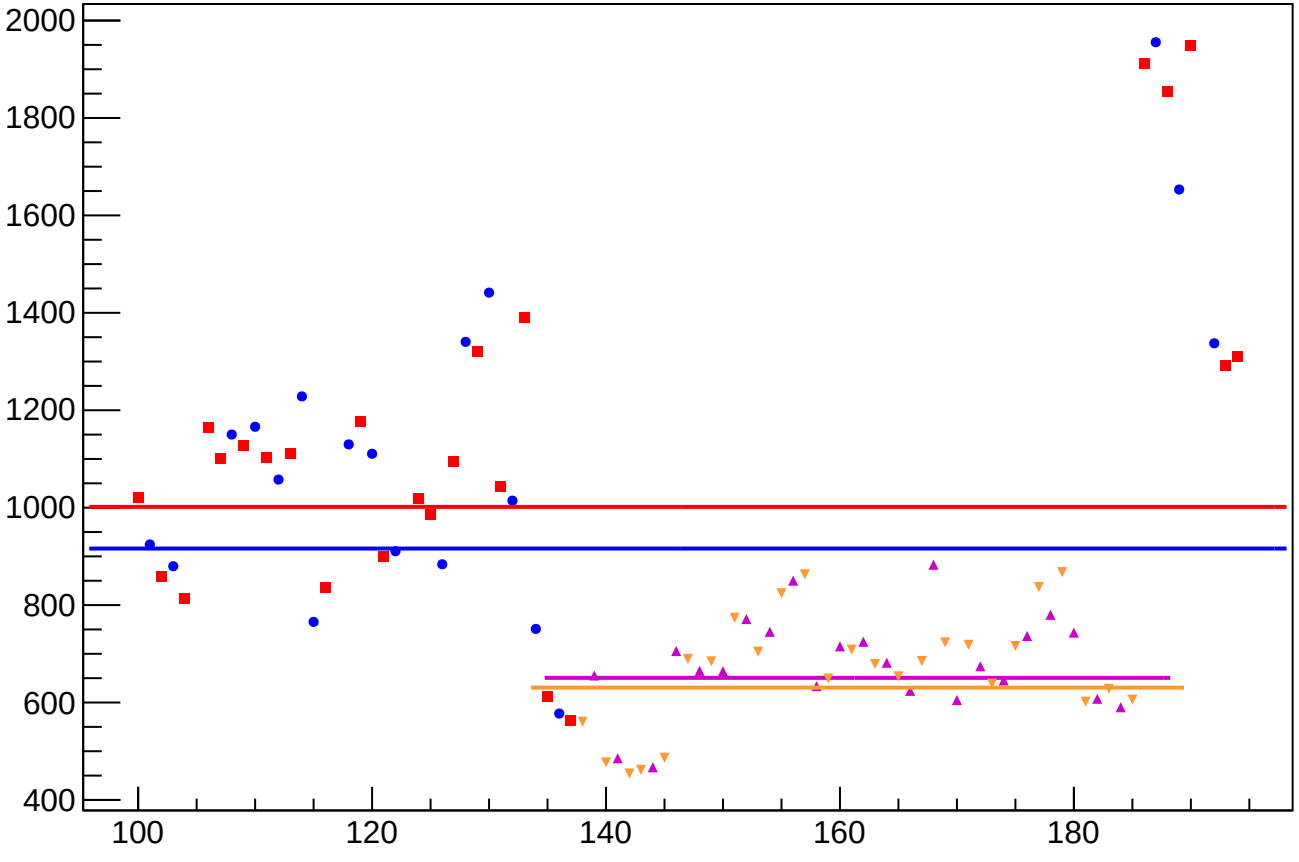
Right: -79.133+/-226.850 χ^2/NDF: 42.2/42

In: 30.790+/-139.139 χ^2/NDF:47.9/41

Out: 242.735+/-133.091 χ^2/NDF:68.1/48

All: 141.469+/-96.176 χ^2/NDF: 117.1/90

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 916.093+/-0.228 χ^2/NDF: 1567035.6/18

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 1001.654+/-0.226 χ^2/NDF: 1908596.1/23

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

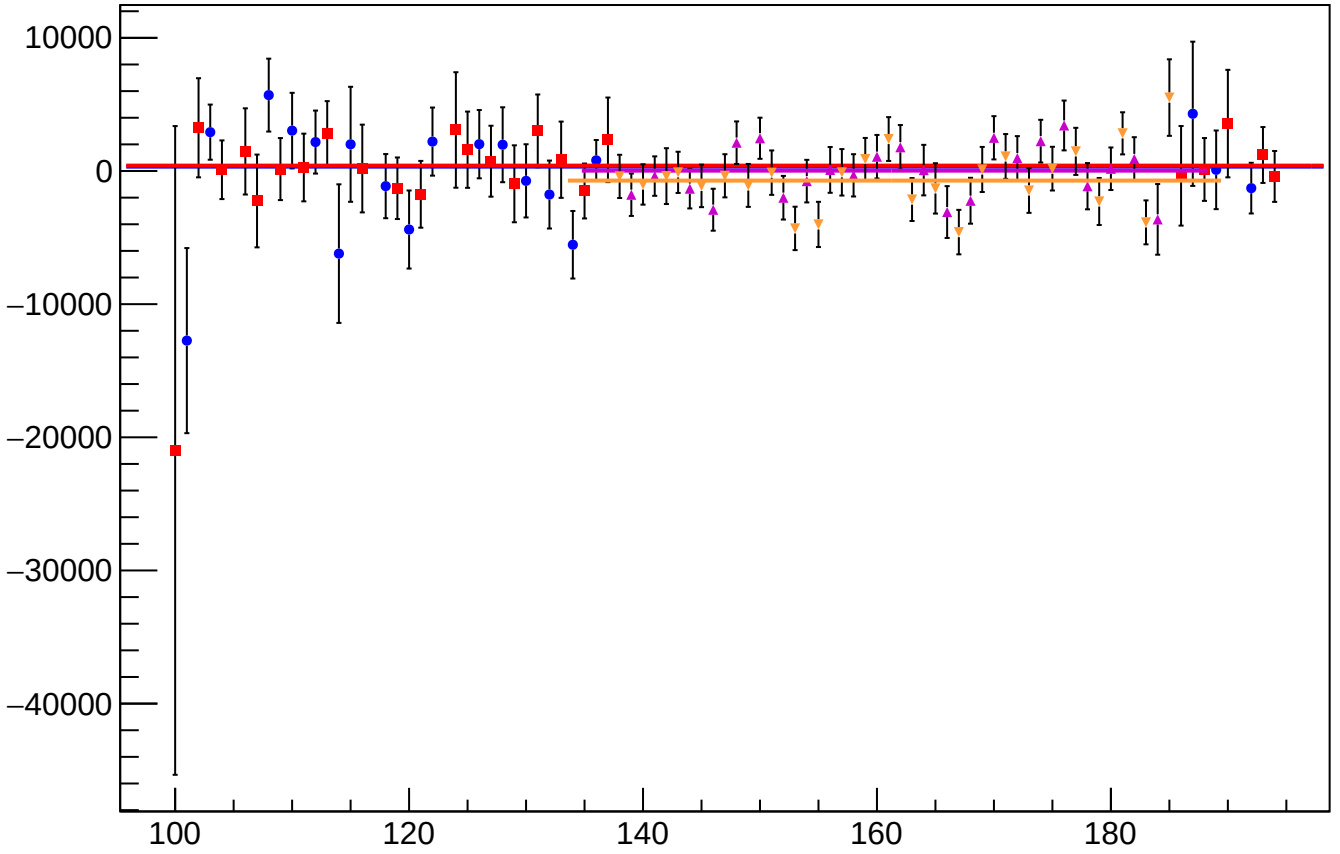
Right: 959.336+/-0.160 χ^2/NDF: 3546752.1/42

In: 700.030+/-0.098 χ^2/NDF:3591605.4/41

Out: 695.144+/-0.094 χ^2/NDF:5471214.3/48

All: 697.478+/-0.068 χ^2/NDF: 9064107.8/90

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 330.736+/-597.934 χ^2/NDF: 24.0/18

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: 404.136+/-555.588 χ^2/NDF: 8.3/23

Left In: 27.514+/-347.415 χ^2/NDF:28.0/22

Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

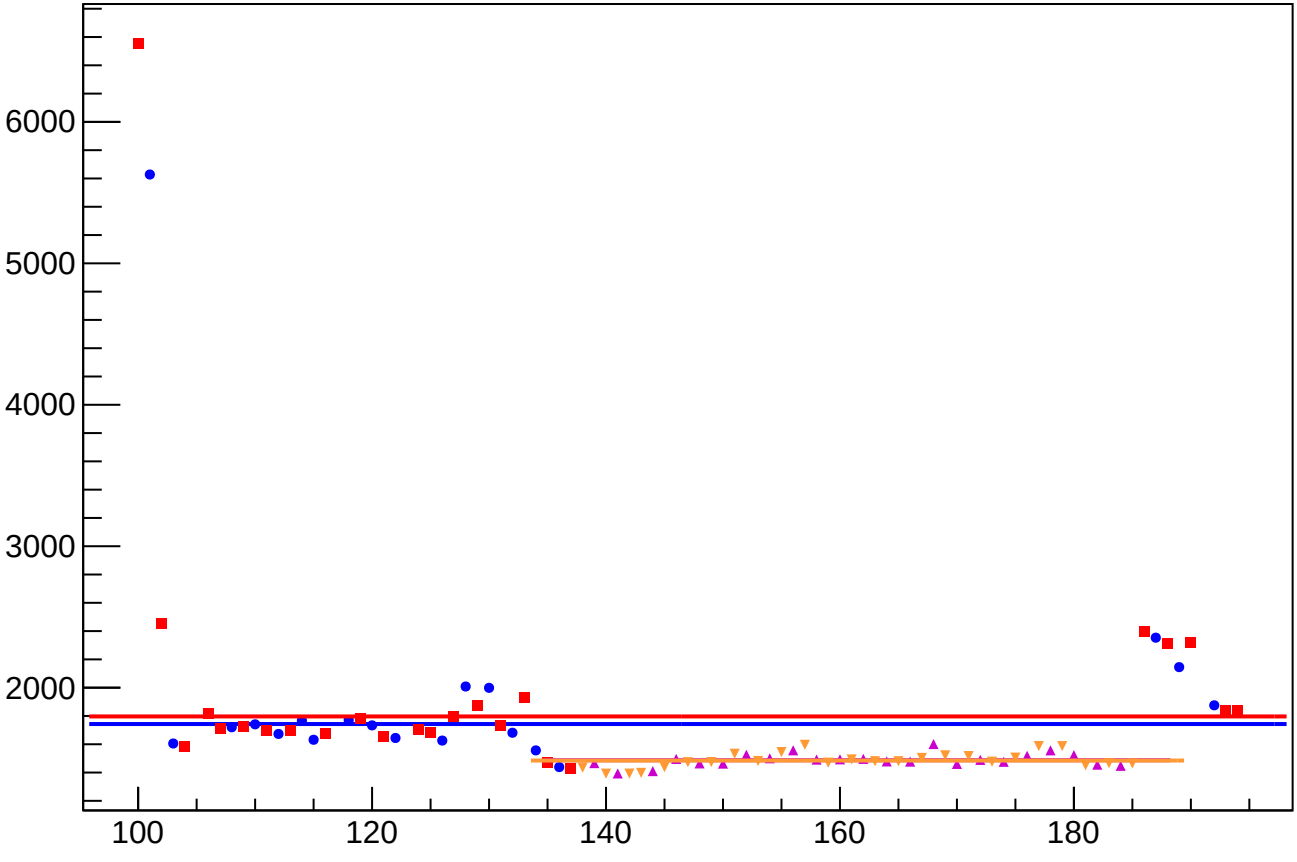
Right: 370.126+/-407.008 χ^2/NDF: 32.3/42

In: 104.043+/-300.391 χ^2/NDF:52.2/41

Out: -415.643+/-288.498 χ^2/NDF:49.0/48

All: -166.291+/-208.076 χ^2/NDF: 102.7/90

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1742.939+/-0.423 χ^2/NDF: 843324.3/18

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1796.673+/-0.393 χ^2/NDF: 445292.0/23

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

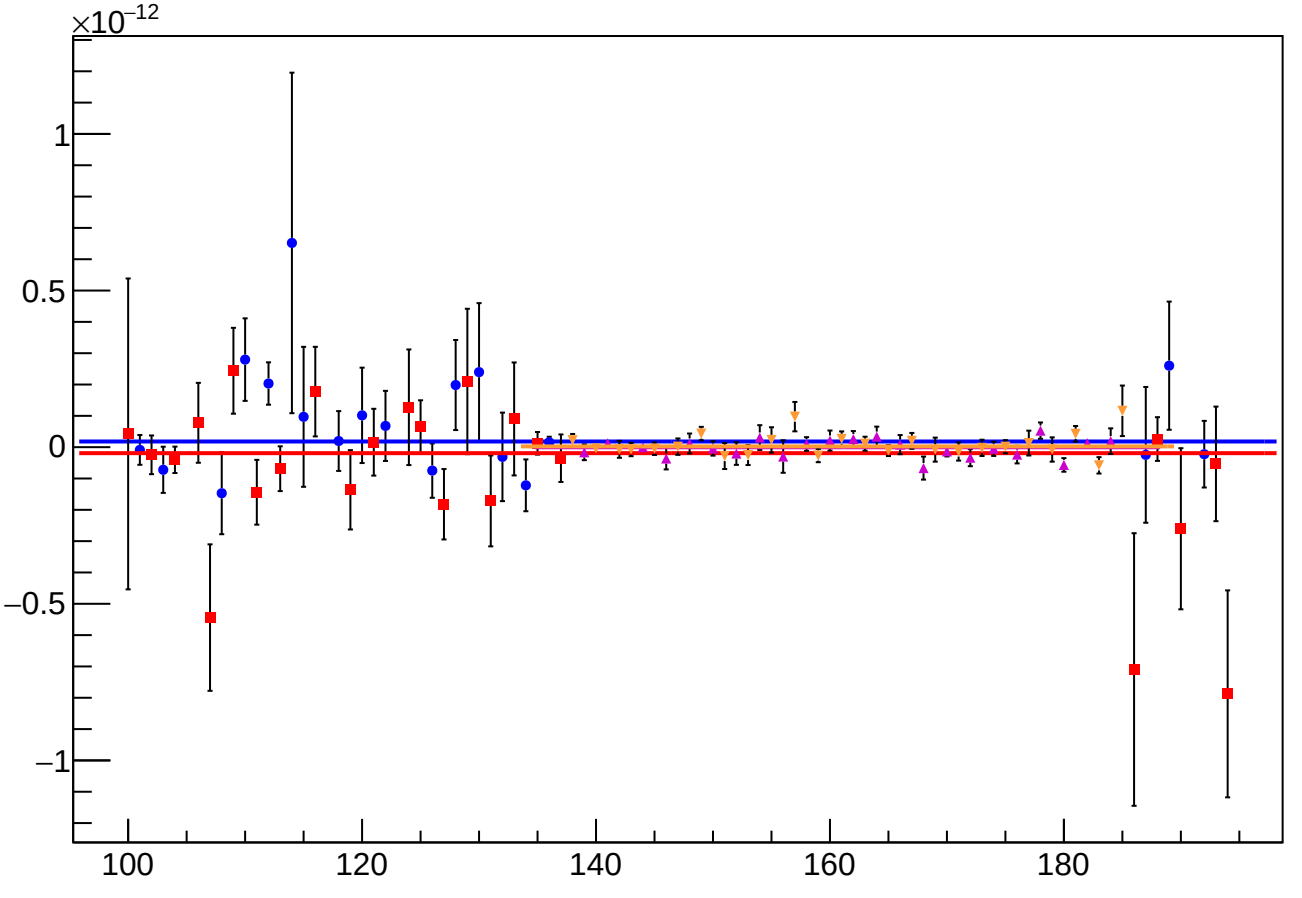
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1771.776+/-0.288 χ^2/NDF: 1297284.3/42

In: 1551.680+/-0.212 χ^2/NDF:1151853.0/41

Out: 1569.010+/-0.204 χ^2/NDF:956001.5/48

All: 1560.695+/-0.147 χ^2/NDF: 2111317.2/90



Right In: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.6/23

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

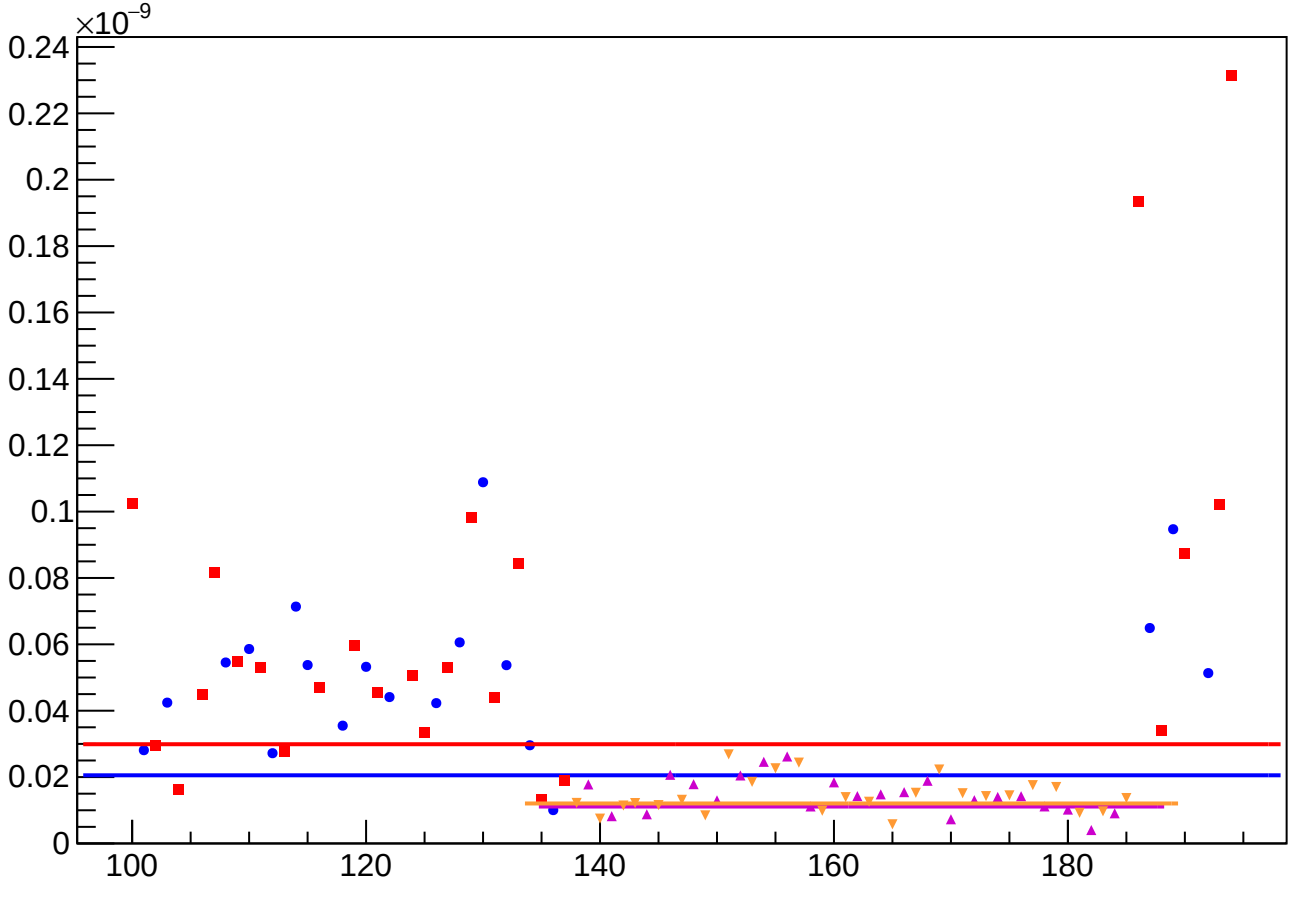
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 58.3/42

In: 0.000+/-0.000 χ^2/NDF:51.6/41

Out: 0.000+/-0.000 χ^2/NDF:57.3/48

All: 0.000+/-0.000 χ^2/NDF: 108.9/90



Right In: 0.000+/-0.000 χ^2/NDF: 2800865.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3126667.9/23

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

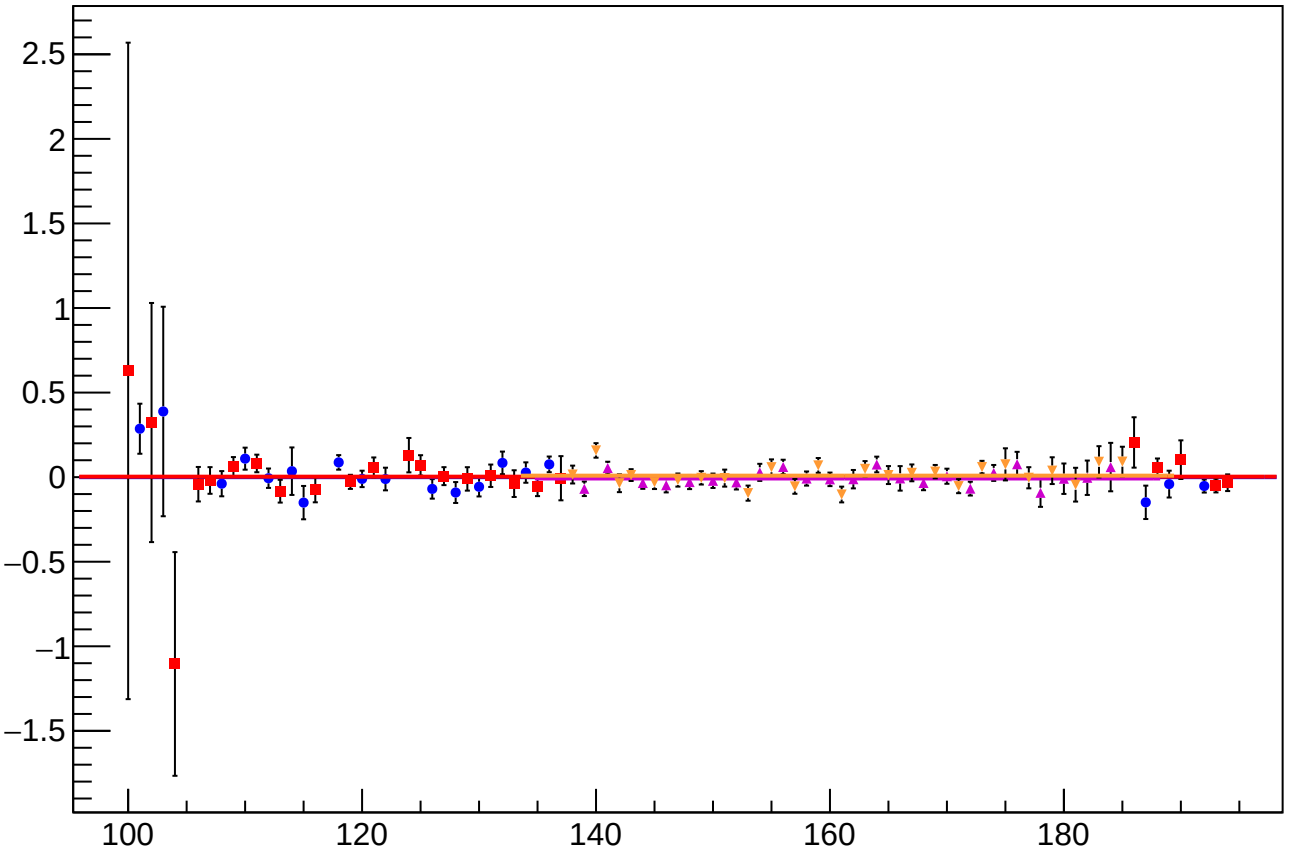
Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

Right: 0.000+/-0.000 χ^2/NDF: 6256020.8/42

In: 0.000+/-0.000 χ^2/NDF:5799545.5/41

Out: 0.000+/-0.000 χ^2/NDF:6430003.5/48

All: 0.000+/-0.000 χ^2/NDF: 12291271.0/90



Right In: 0.000+/-0.014 χ^2/NDF: 27.2/18

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.014 χ^2/NDF: 21.0/23

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

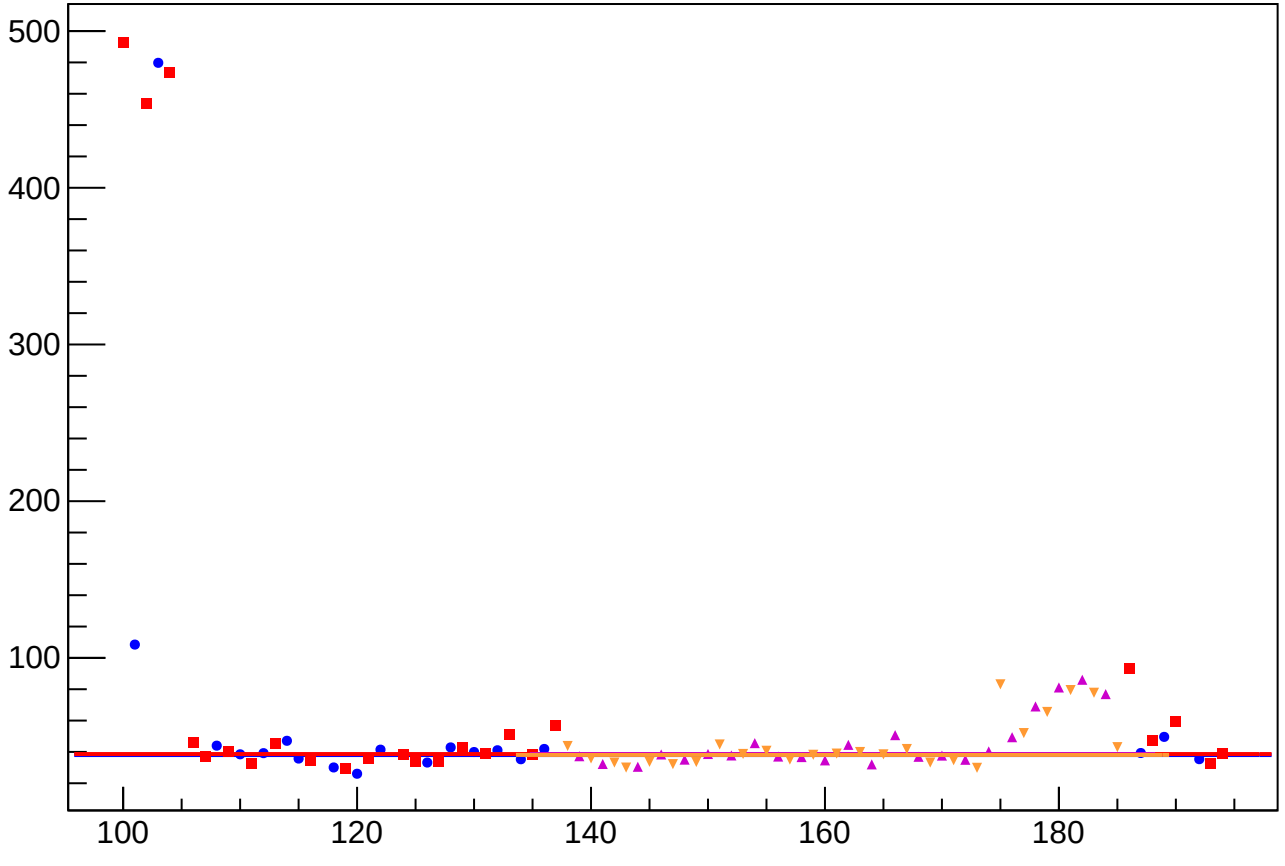
Right: 0.001+/-0.010 χ^2/NDF: 48.2/42

In: -0.005+/-0.008 χ^2/NDF:46.3/41

Out: 0.007+/-0.008 χ^2/NDF:59.7/48

All: 0.001+/-0.006 χ^2/NDF: 107.2/90

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.000+/-0.010 χ^2/NDF: 1792025.3/18

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 38.642+/-0.010 χ^2/NDF: 2391222.5/23

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

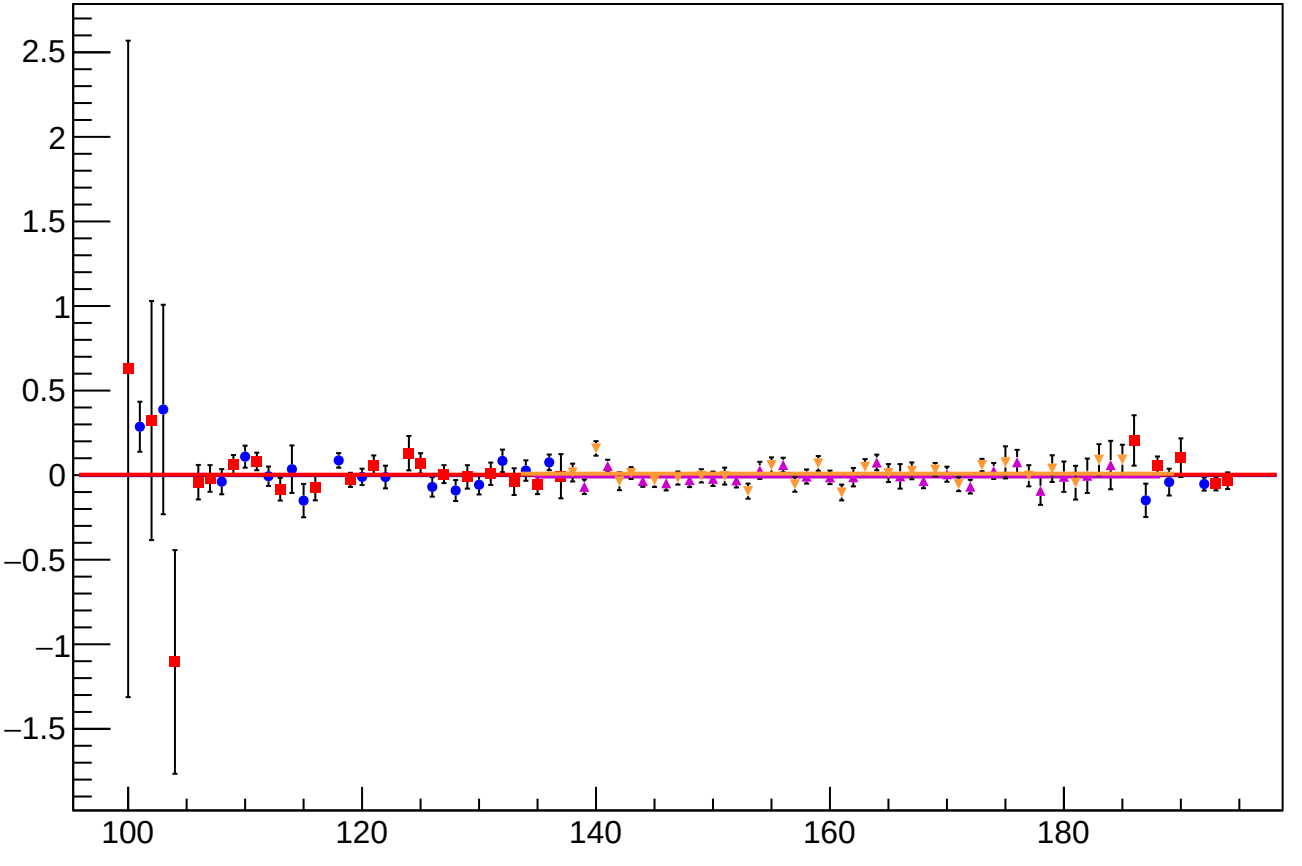
Right: 38.338+/-0.007 χ^2/NDF: 4185361.8/42

In: 38.426+/-0.006 χ^2/NDF:3522303.2/41

Out: 38.258+/-0.006 χ^2/NDF:4360729.4/48

All: 38.338+/-0.004 χ^2/NDF: 7883475.3/90

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.014 χ^2/NDF: 27.2/18

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.014 χ^2/NDF: 21.0/23

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

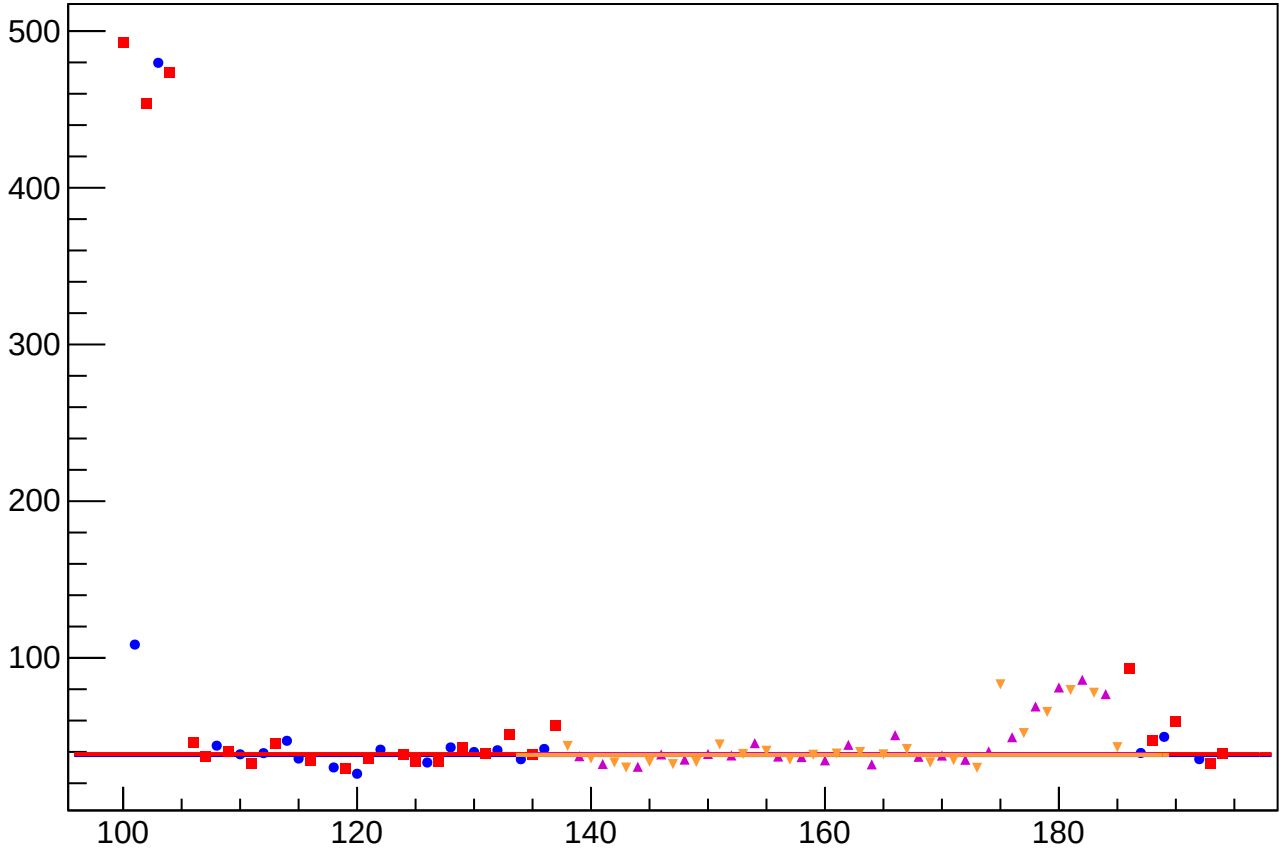
Right: 0.001+/-0.010 χ^2/NDF: 48.2/42

In: -0.005+/-0.008 χ^2/NDF:46.3/41

Out: 0.007+/-0.008 χ^2/NDF:59.7/48

All: 0.001+/-0.006 χ^2/NDF: 107.2/90

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.000+/-0.010 χ^2/NDF: 1792025.3/18

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 38.642+/-0.010 χ^2/NDF: 2391222.5/23

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

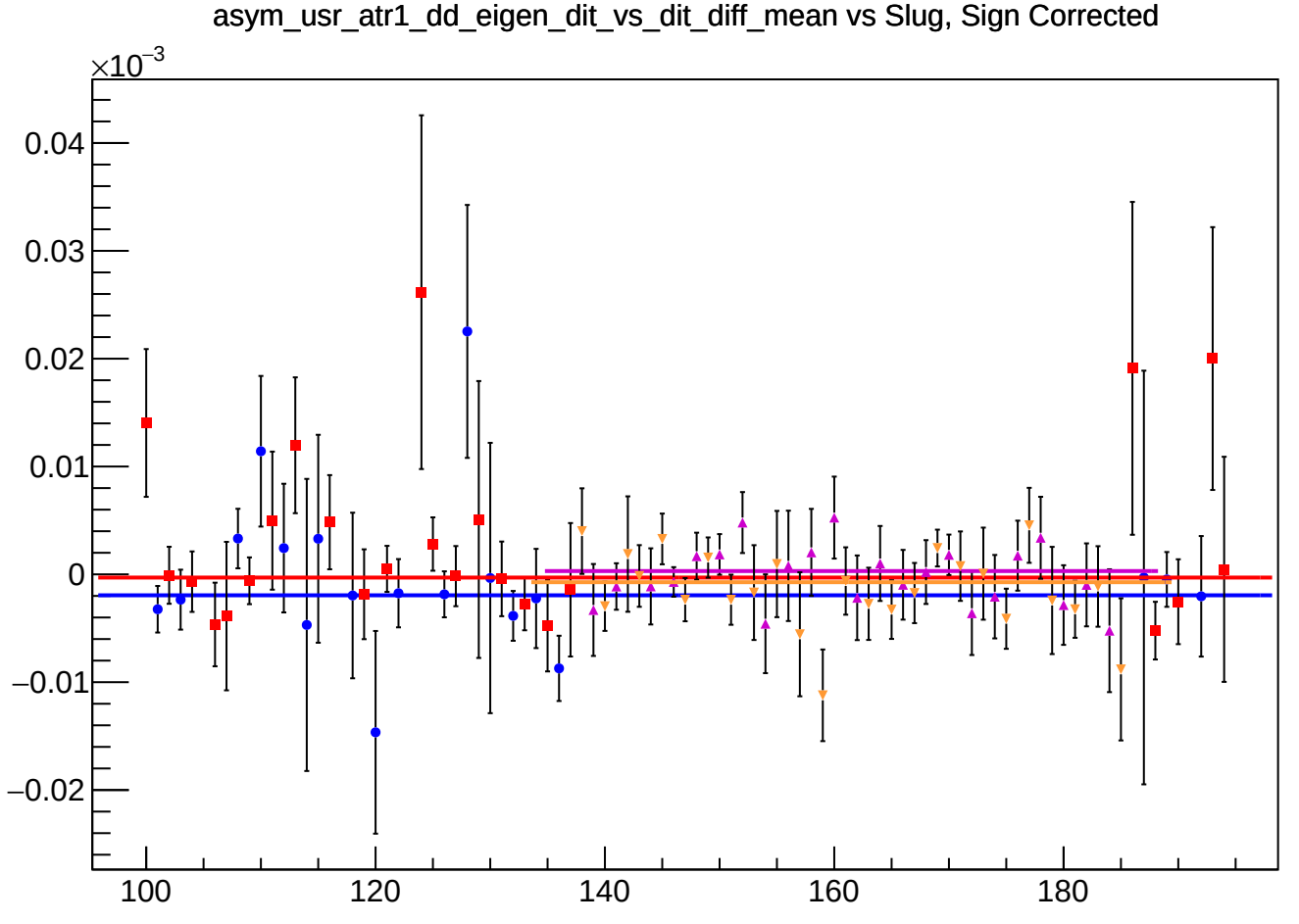
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 38.338+/-0.007 χ^2/NDF: 4185361.8/42

In: 38.426+/-0.006 χ^2/NDF:3522303.2/41

Out: 38.258+/-0.006 χ^2/NDF:4360729.4/48

All: 38.338+/-0.004 χ^2/NDF: 7883475.3/90



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/23

Left In: 0.000+/-0.000 χ^2/NDF:13.8/22

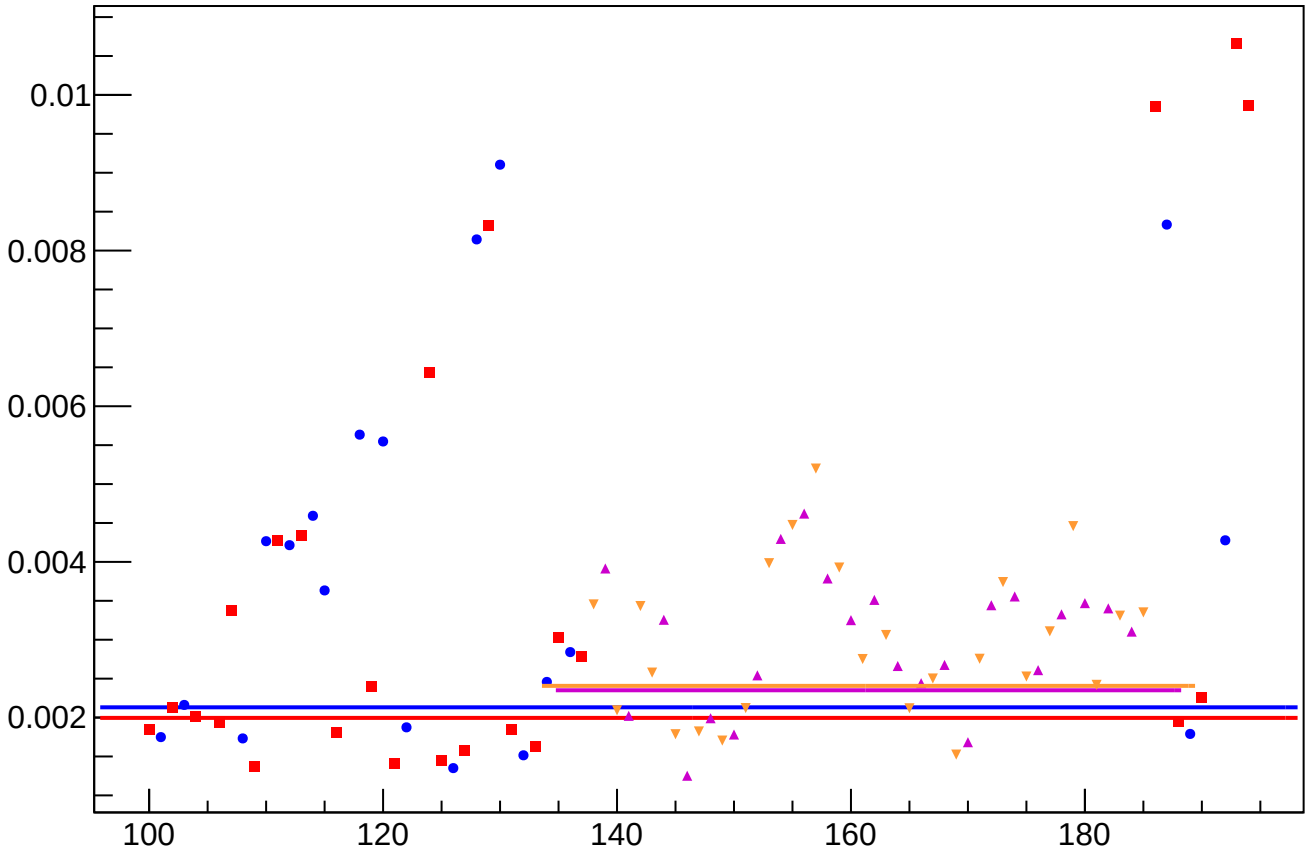
Left: -0.000+/-0.000 χ^2/NDF: 41.9/47

Right: -0.000+/-0.000 χ^2/NDF: 49.7/42

In: -0.000+/-0.000 χ^2/NDF:39.4/41

Out: -0.000+/-0.000 χ^2/NDF:53.4/48

All: -0.000+/-0.000 χ^2/NDF: 92.9/90



Right In: 0.002+/-0.000 χ^2/NDF: 3559460.2/18

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4604215.2/23

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

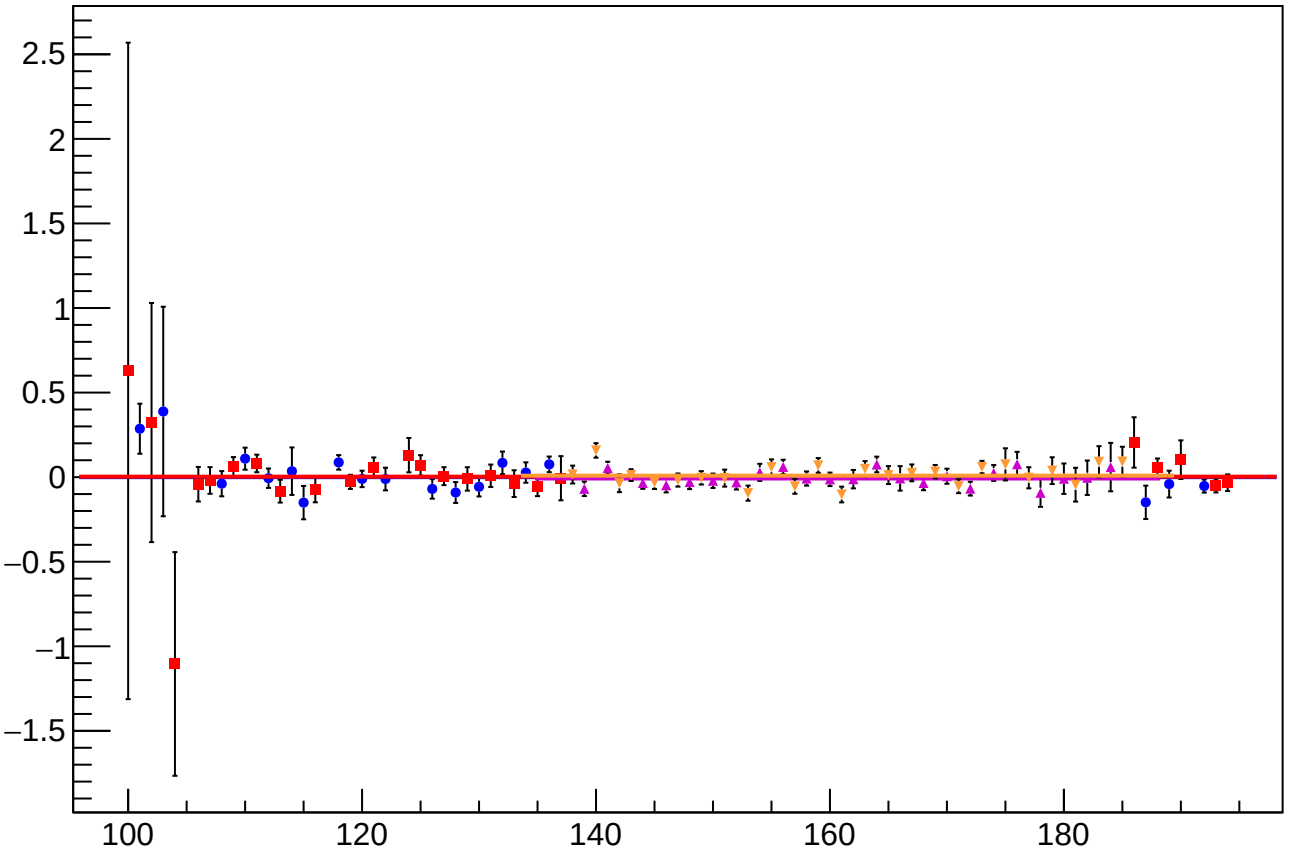
Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

Right: 0.002+/-0.000 χ^2/NDF: 8193361.6/42

In: 0.002+/-0.000 χ^2/NDF:8088963.8/41

Out: 0.002+/-0.000 χ^2/NDF:8669164.7/48

All: 0.002+/-0.000 χ^2/NDF: 16761590.4/90



Right In: 0.000+/-0.014 χ^2/NDF: 27.2/18

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.014 χ^2/NDF: 21.0/23

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

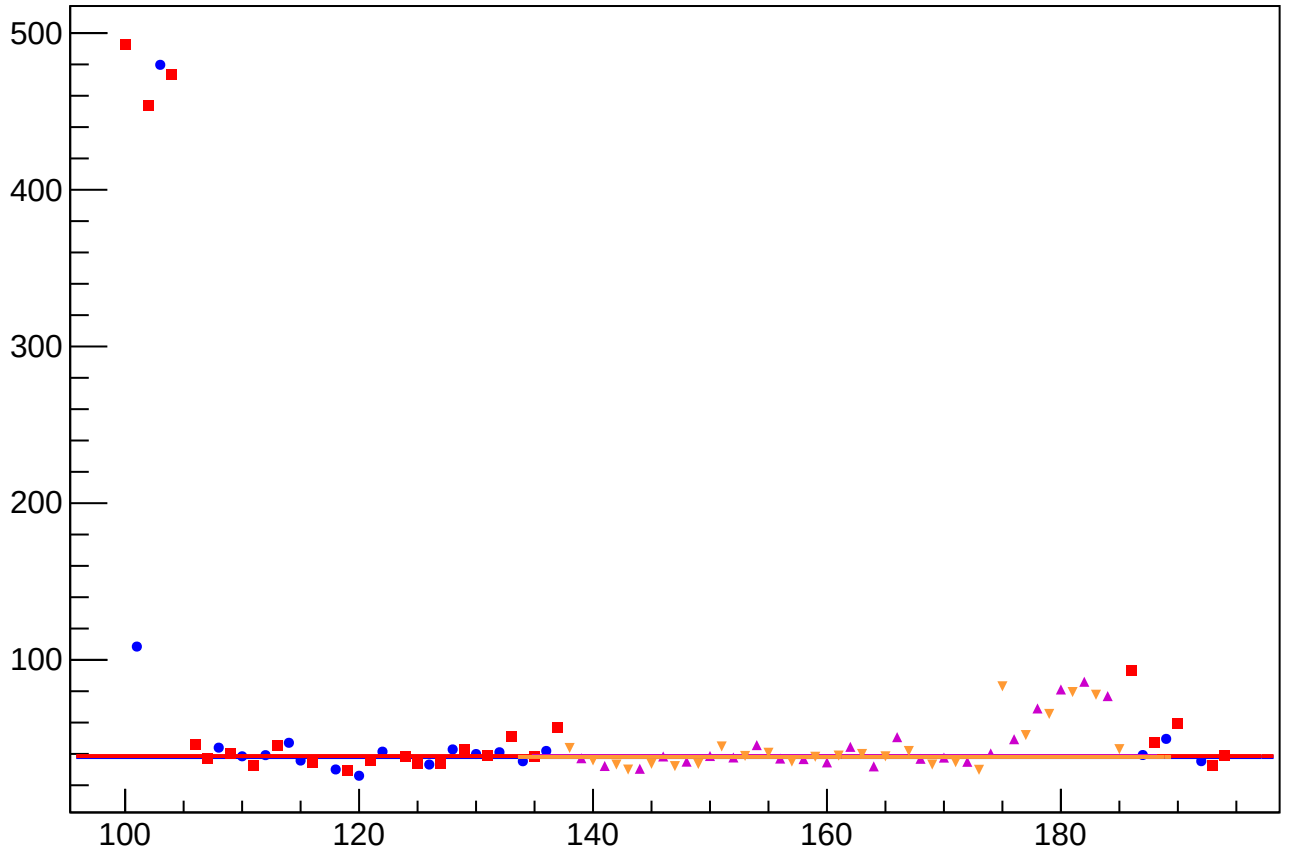
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.001+/-0.010 χ^2/NDF: 48.2/42

In: -0.005+/-0.008 χ^2/NDF:46.3/41

Out: 0.007+/-0.008 χ^2/NDF:59.7/48

All: 0.001+/-0.006 χ^2/NDF: 107.2/90



Right In: 37.999+/-0.010 χ^2/NDF: 1792054.4/18

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 38.639+/-0.010 χ^2/NDF: 2391389.2/23

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

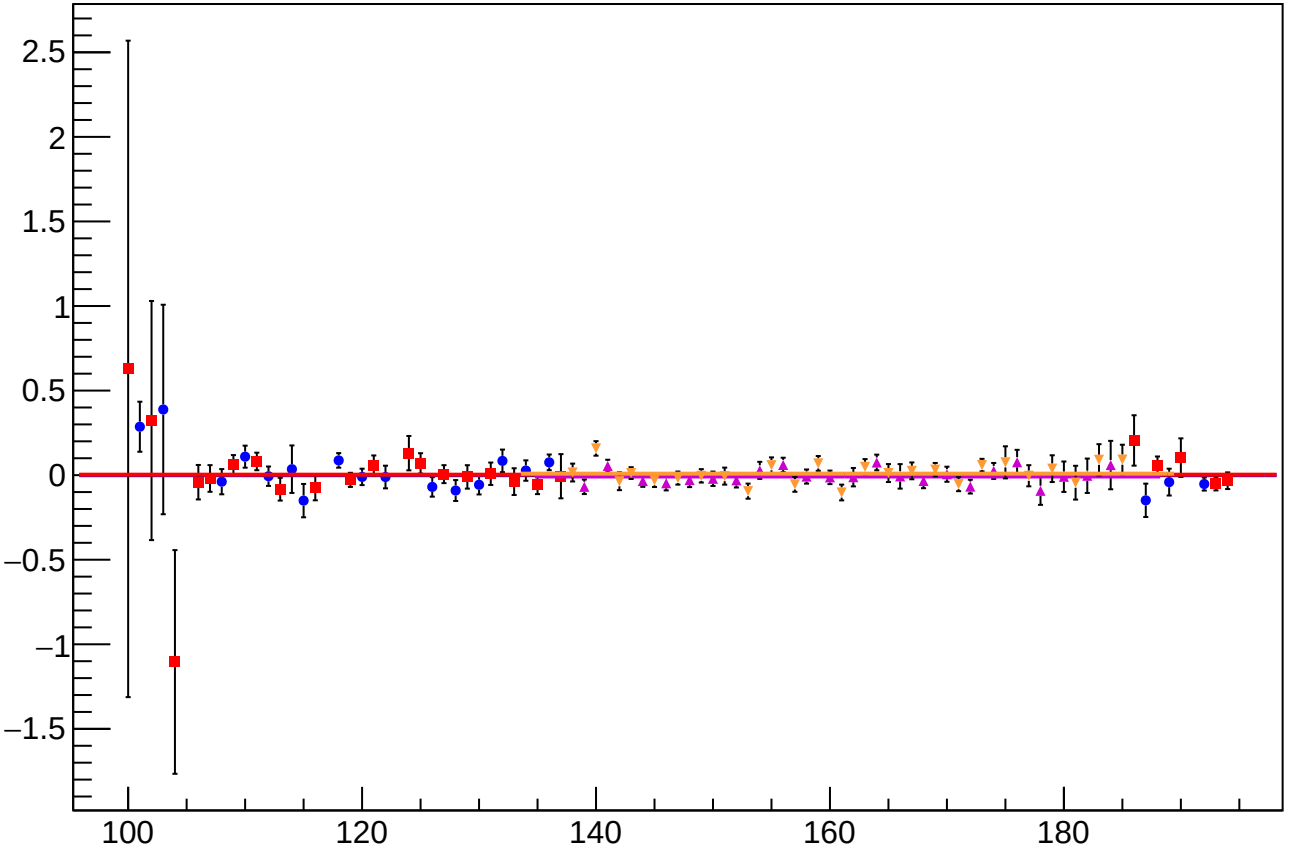
Right: 38.336+/-0.007 χ^2/NDF: 4185541.4/42

In: 38.425+/-0.006 χ^2/NDF:3522371.4/41

Out: 38.257+/-0.006 χ^2/NDF:4360864.9/48

All: 38.338+/-0.004 χ^2/NDF: 7883682.8/90

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.014 χ^2/NDF: 27.2/18

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.014 χ^2/NDF: 21.0/23

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

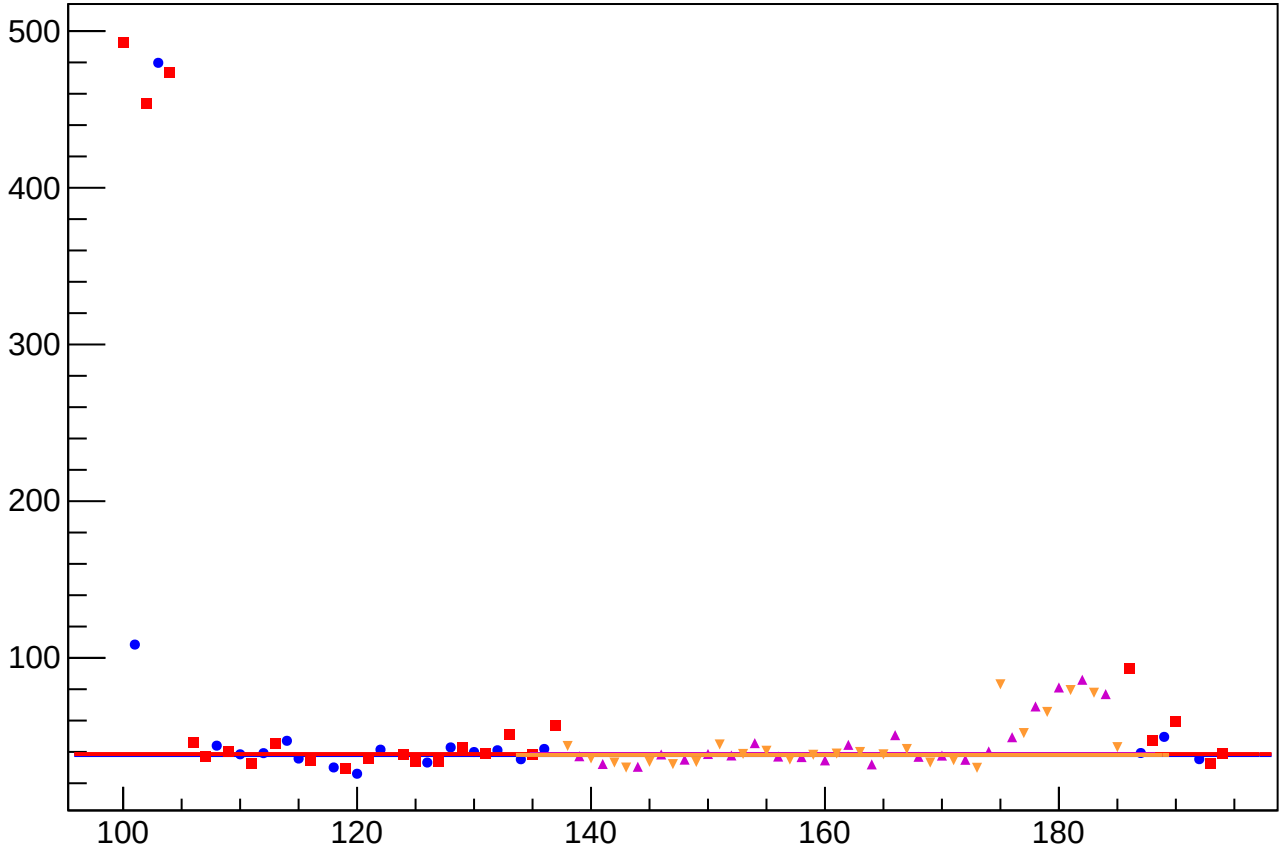
Right: 0.001+/-0.010 χ^2/NDF: 48.2/42

In: -0.005+/-0.008 χ^2/NDF:46.3/41

Out: 0.007+/-0.008 χ^2/NDF:59.7/48

All: 0.001+/-0.006 χ^2/NDF: 107.2/90

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.999+/-0.010 χ^2/NDF: 1792054.4/18

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 38.639+/-0.010 χ^2/NDF: 2391389.2/23

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

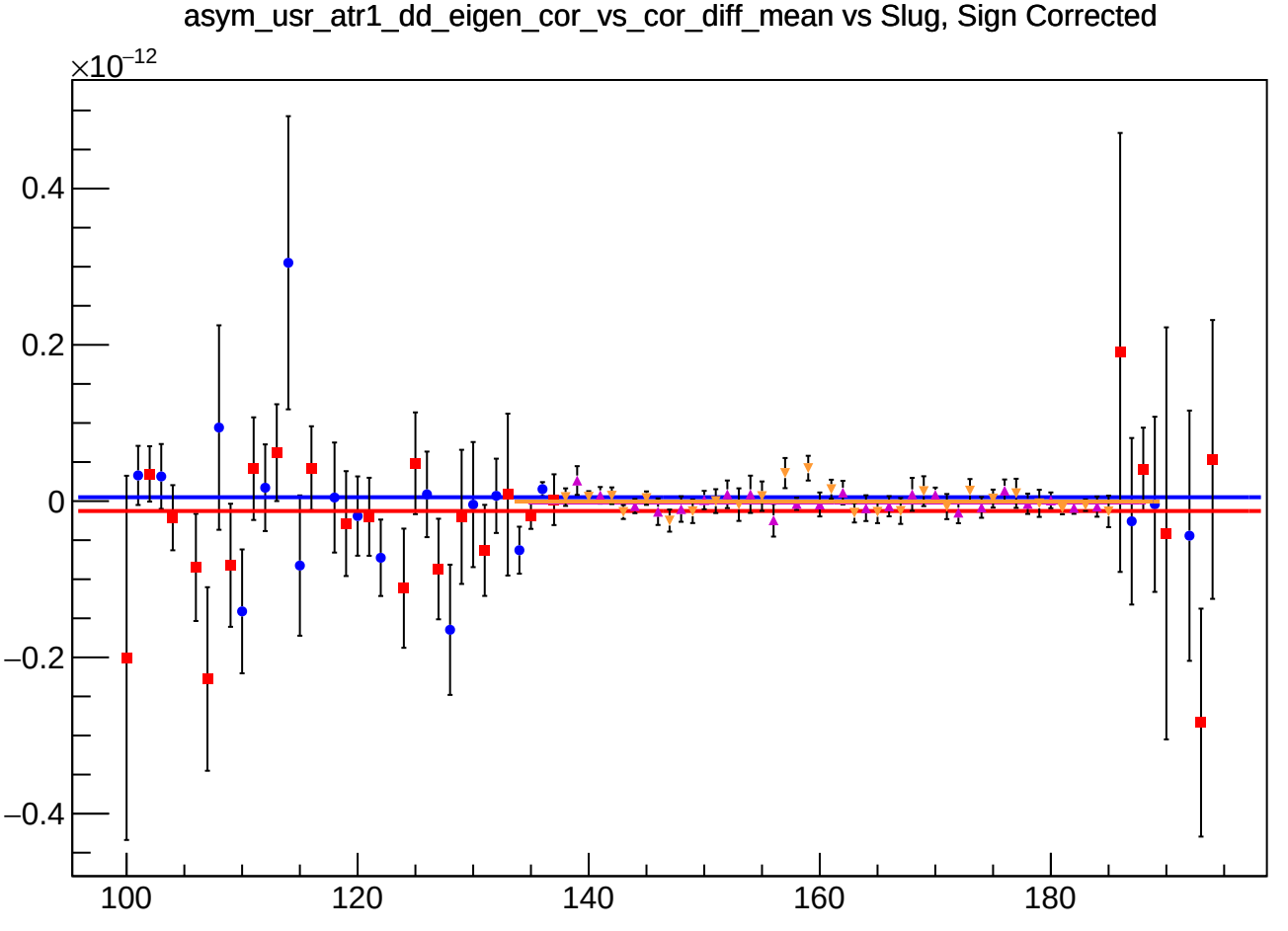
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

Right: 38.336+/-0.007 χ^2/NDF: 4185541.4/42

In: 38.425+/-0.006 χ^2/NDF:3522371.4/41

Out: 38.257+/-0.006 χ^2/NDF:4360864.9/48

All: 38.338+/-0.004 χ^2/NDF: 7883682.8/90



Right In: 0.000+/-0.000 χ^2/NDF: 21.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/23

Left In: -0.000+/-0.000 χ^2/NDF:11.6/22

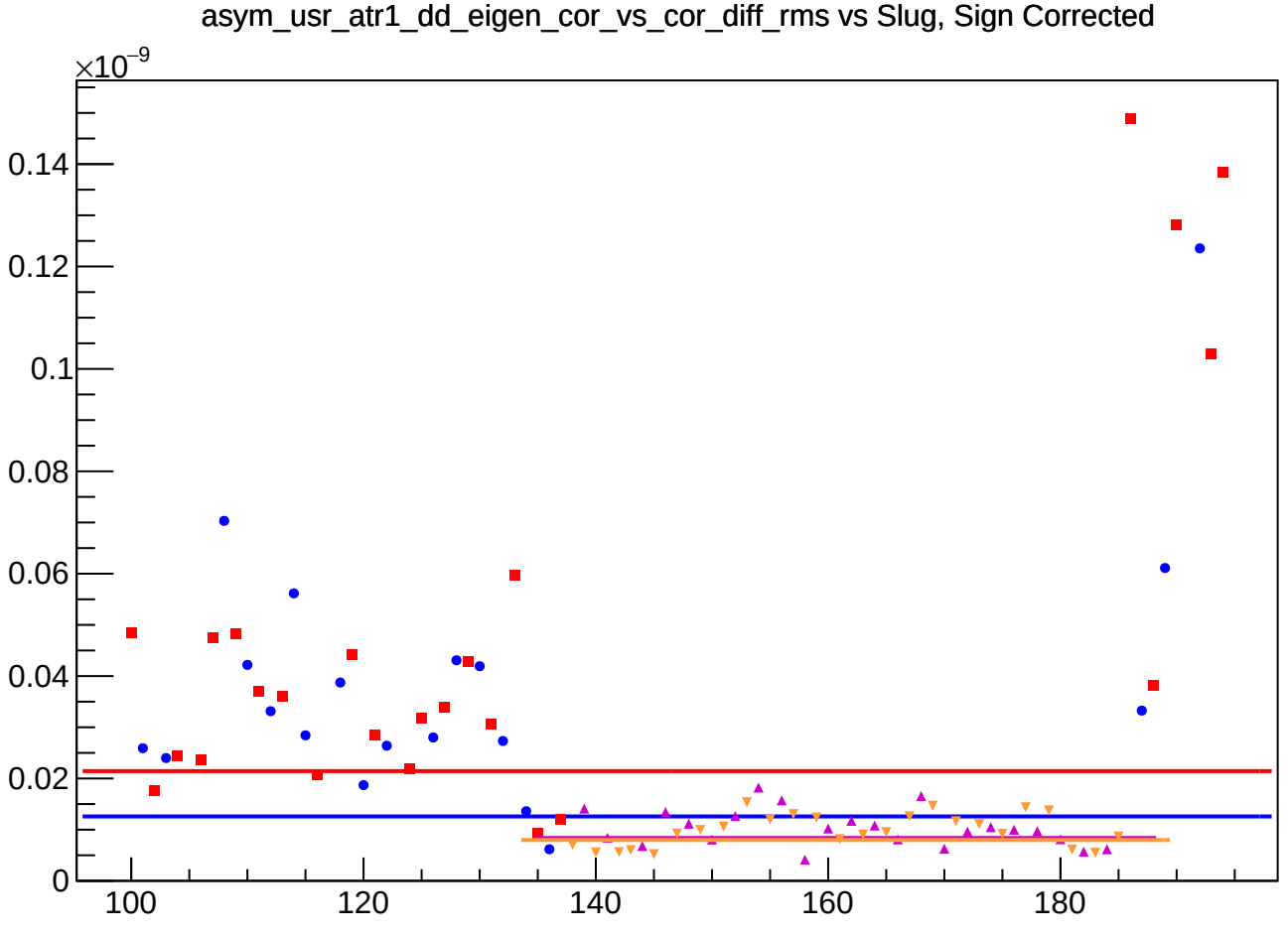
Left: -0.000+/-0.000 χ^2/NDF: 38.6/47

Right: -0.000+/-0.000 χ^2/NDF: 44.9/42

In: -0.000+/-0.000 χ^2/NDF:34.2/41

Out: -0.000+/-0.000 χ^2/NDF:49.4/48

All: -0.000+/-0.000 χ^2/NDF: 83.5/90



Right In: 0.000+/-0.000 χ^2/NDF: 5290671.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5102249.8/23

Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

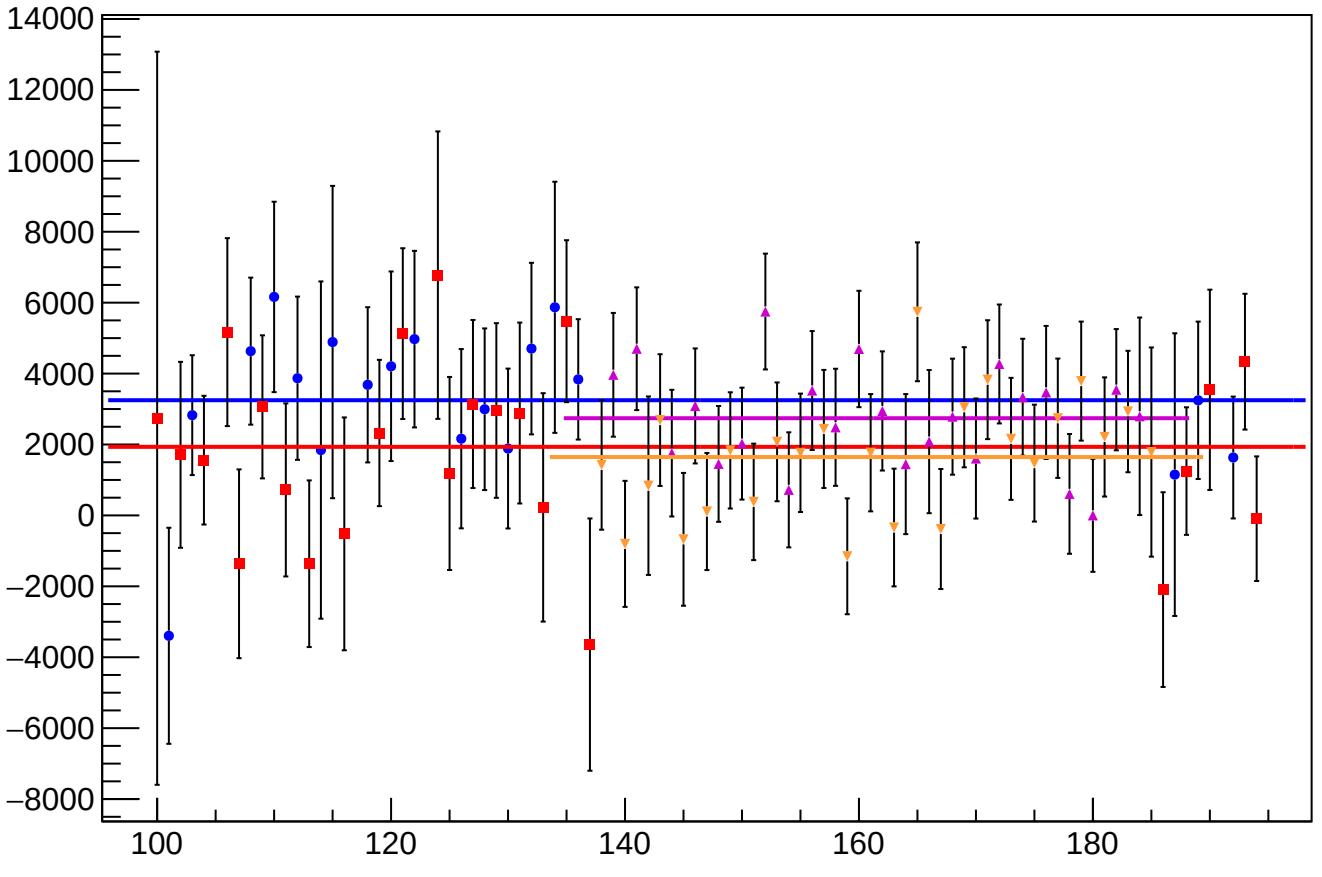
Left: 0.000+/-0.000 χ^2/NDF: 5643069.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11357717.6/42

In: 0.000+/-0.000 χ^2/NDF:8638603.7/41

Out: 0.000+/-0.000 χ^2/NDF:11172138.1/48

All: 0.000+/-0.000 χ^2/NDF: 19814065.4/90



Right In: 3248.624+/-544.622 χ^2/NDF: 10.1/18

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: 1933.631+/-496.312 χ^2/NDF: 20.7/23

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

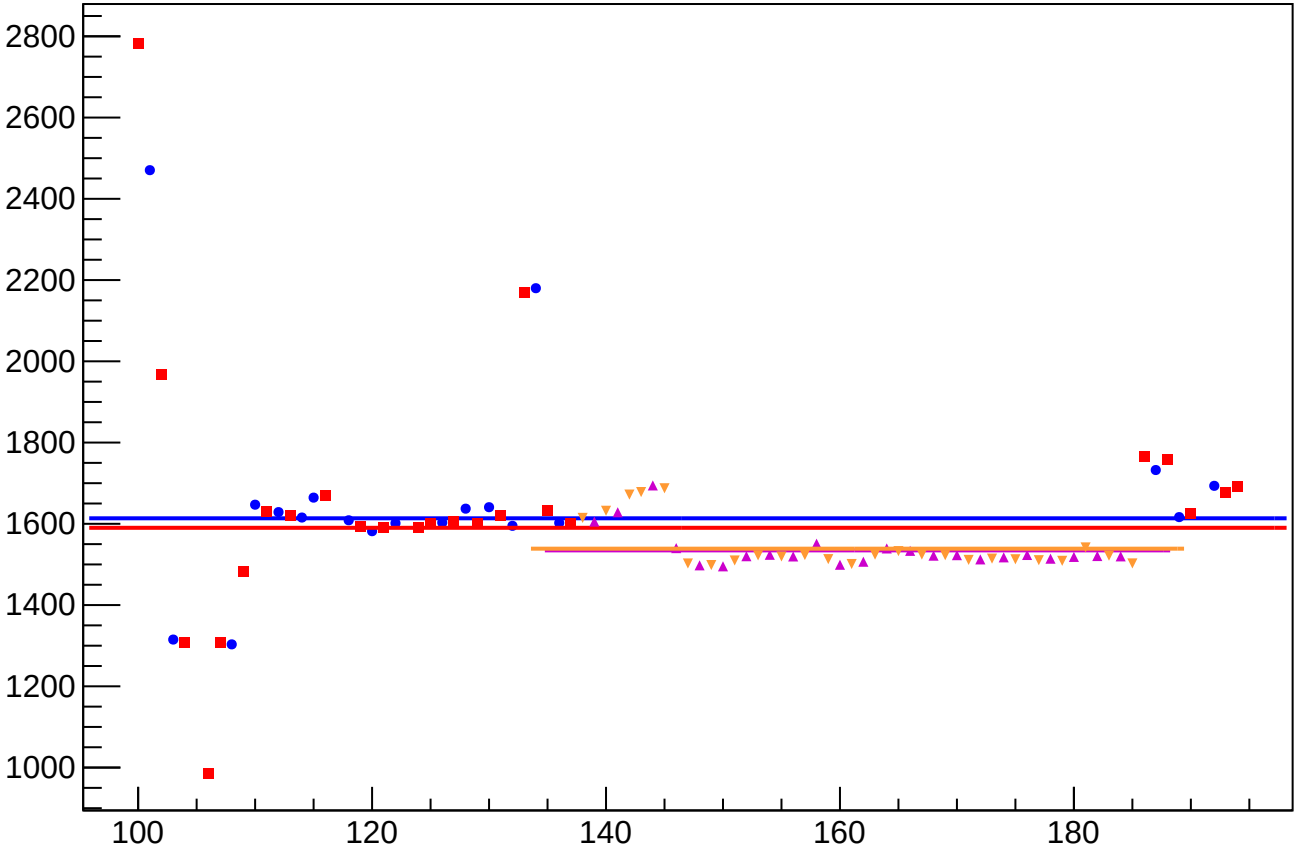
Right: 2530.230+/-366.838 χ^2/NDF: 34.0/42

In: 2894.382+/-299.423 χ^2/NDF:27.2/41

Out: 1741.713+/-285.899 χ^2/NDF:42.0/48

All: 2291.428+/-206.777 χ^2/NDF: 76.9/90

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1613.582+/-0.385 χ^2/NDF: 324415.5/18

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1590.186+/-0.347 χ^2/NDF: 425090.4/23

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

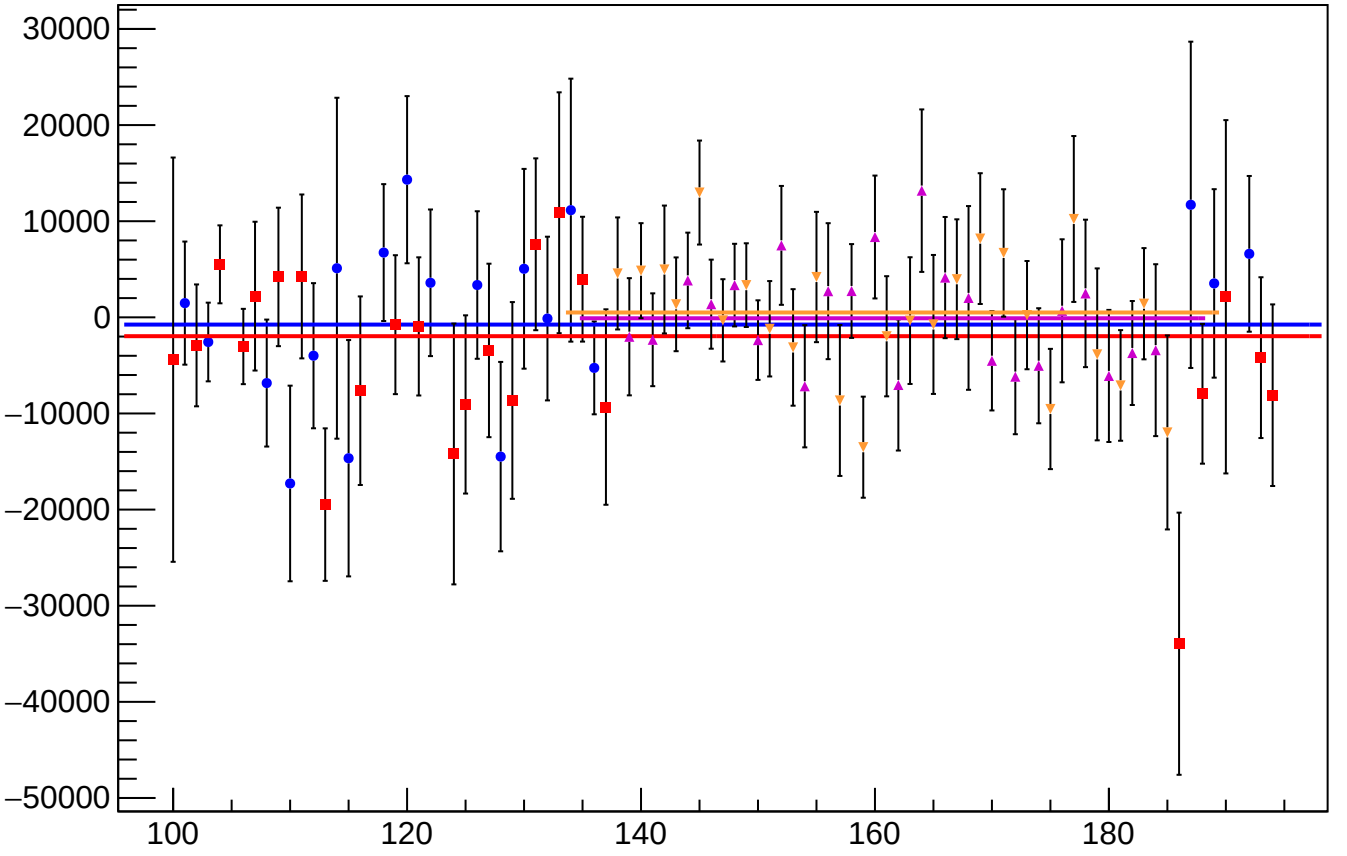
Right: 1600.661+/-0.258 χ^2/NDF: 751544.3/42

In: 1558.483+/-0.212 χ^2/NDF:384874.4/41

Out: 1556.134+/-0.201 χ^2/NDF:486697.9/48

All: 1557.249+/-0.146 χ^2/NDF: 871637.0/90

asym_usr_atr2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -753.986+/-1762.696 χ^2/NDF: 15.5/18

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: -1960.736+/-1558.628 χ^2/NDF: 22.5/23

Left In: -97.910+/-1217.585 χ^2/NDF:14.9/22

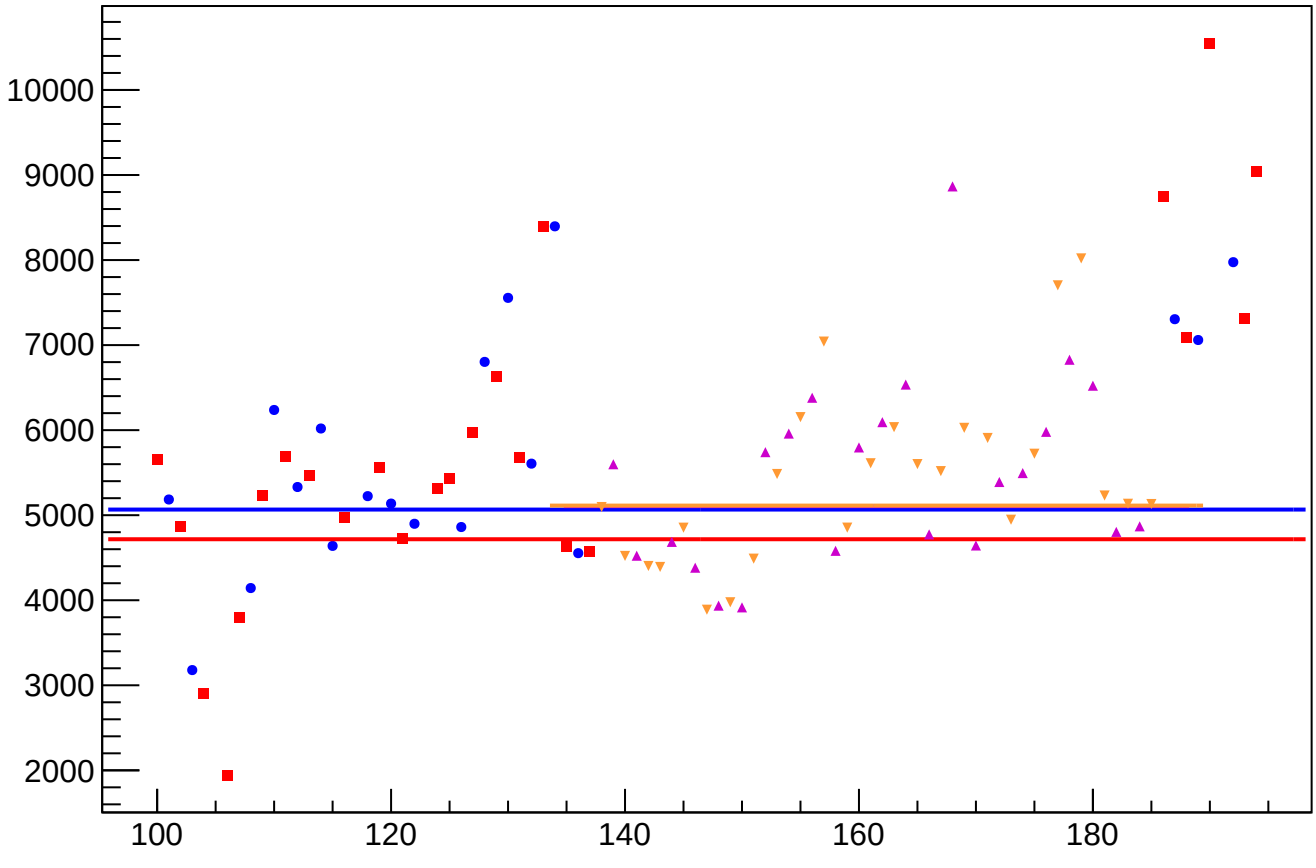
Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

Right: -1431.227+/-1167.631 χ^2/NDF: 38.3/42

In: -309.832+/-1001.818 χ^2/NDF:30.5/41

Out: -401.152+/-944.484 χ^2/NDF:50.8/48

All: -358.180+/-687.226 χ^2/NDF: 81.4/90



Right In: 5066.214+/-1.246 χ^2/NDF: 1207135.8/18

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 4717.255+/-1.102 χ^2/NDF: 3041976.0/23

Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

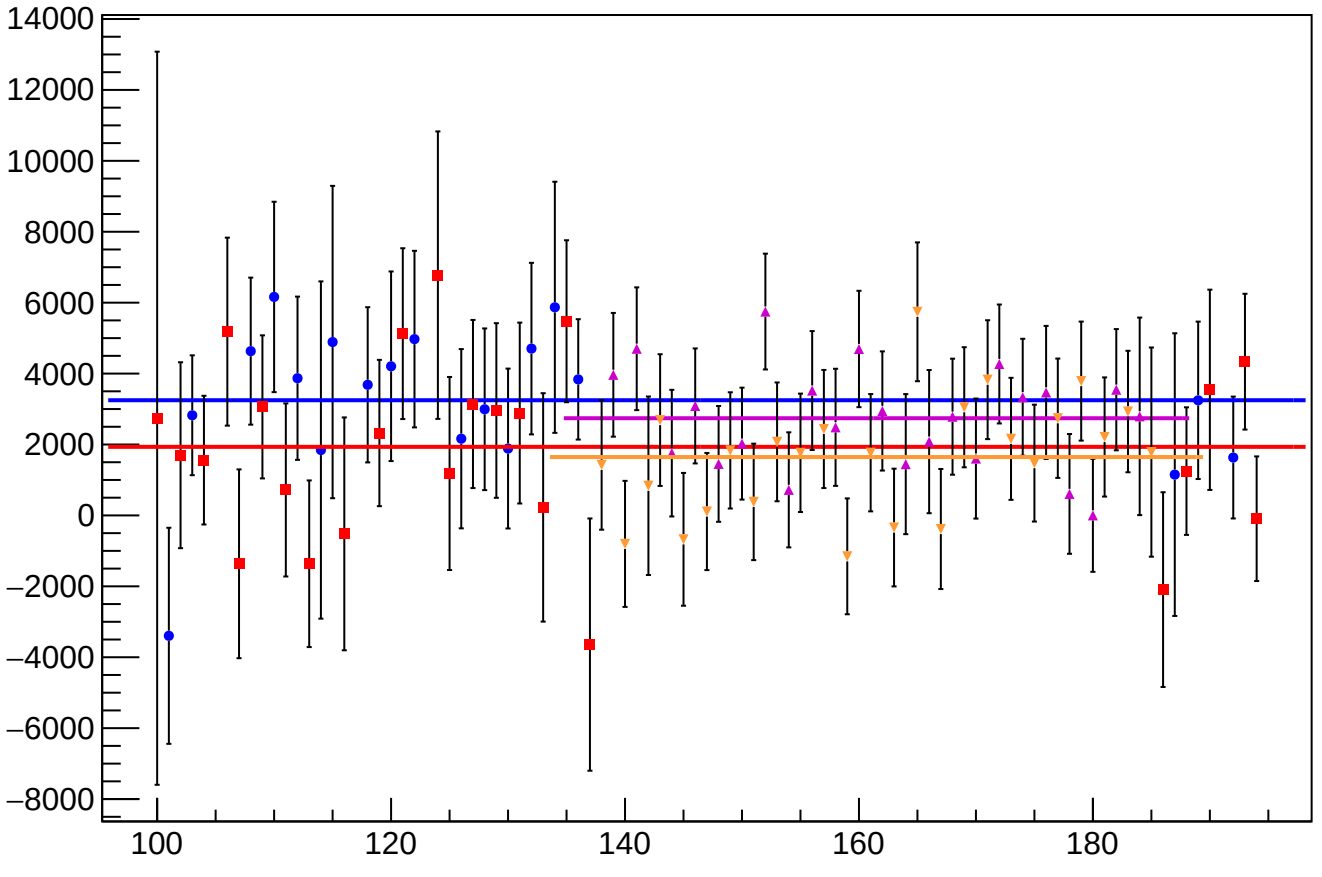
Left: 5109.752+/-0.601 χ^2/NDF: 2410662.5/47

Right: 4870.375+/-0.826 χ^2/NDF: 4293101.4/42

In: 5093.410+/-0.708 χ^2/NDF:2459461.3/41

Out: 4967.653+/-0.668 χ^2/NDF:4282558.0/48

All: 5026.830+/-0.486 χ^2/NDF: 6758704.4/90



Right In: 3248.368+/-544.622 χ^2/NDF: 10.1/18

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1933.620+/-496.314 χ^2/NDF: 20.7/23

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

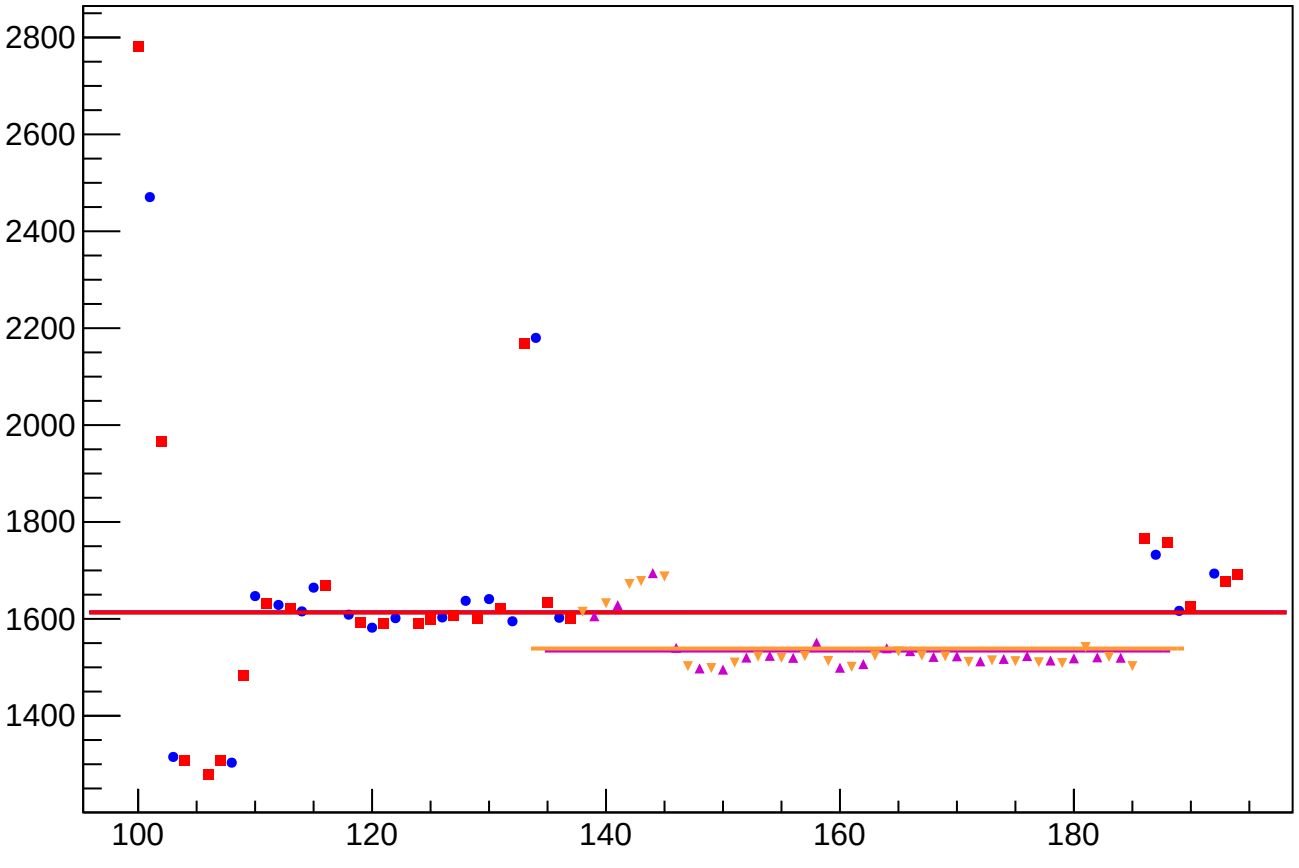
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2530.110+/-366.839 χ^2/NDF: 34.0/42

In: 2894.236+/-299.423 χ^2/NDF:27.2/41

Out: 1741.637+/-285.899 χ^2/NDF:42.0/48

All: 2291.319+/-206.777 χ^2/NDF: 76.9/90



Right In: 1613.583+/-0.385 χ^2/NDF: 324414.6/18

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1613.262+/-0.350 χ^2/NDF: 276803.9/23

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

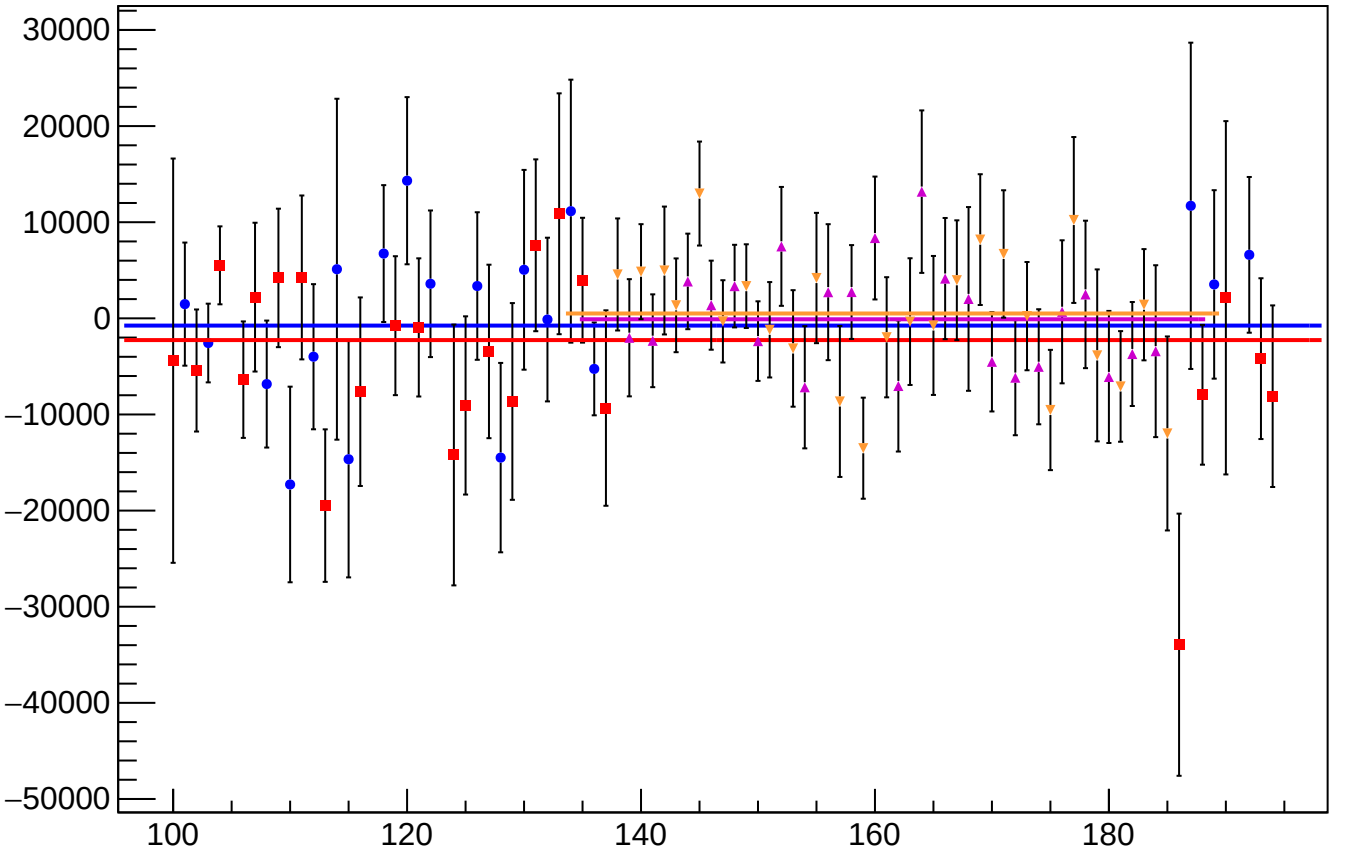
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1613.407+/-0.259 χ^2/NDF: 601218.8/42

In: 1558.483+/-0.212 χ^2/NDF:384873.6/41

Out: 1563.608+/-0.202 χ^2/NDF:354045.7/48

All: 1561.167+/-0.146 χ^2/NDF: 739226.0/90



Right In: -754.175+/-1762.729 χ^2/NDF: 15.5/18

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -2262.313+/-1635.990 χ^2/NDF: 23.2/23

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

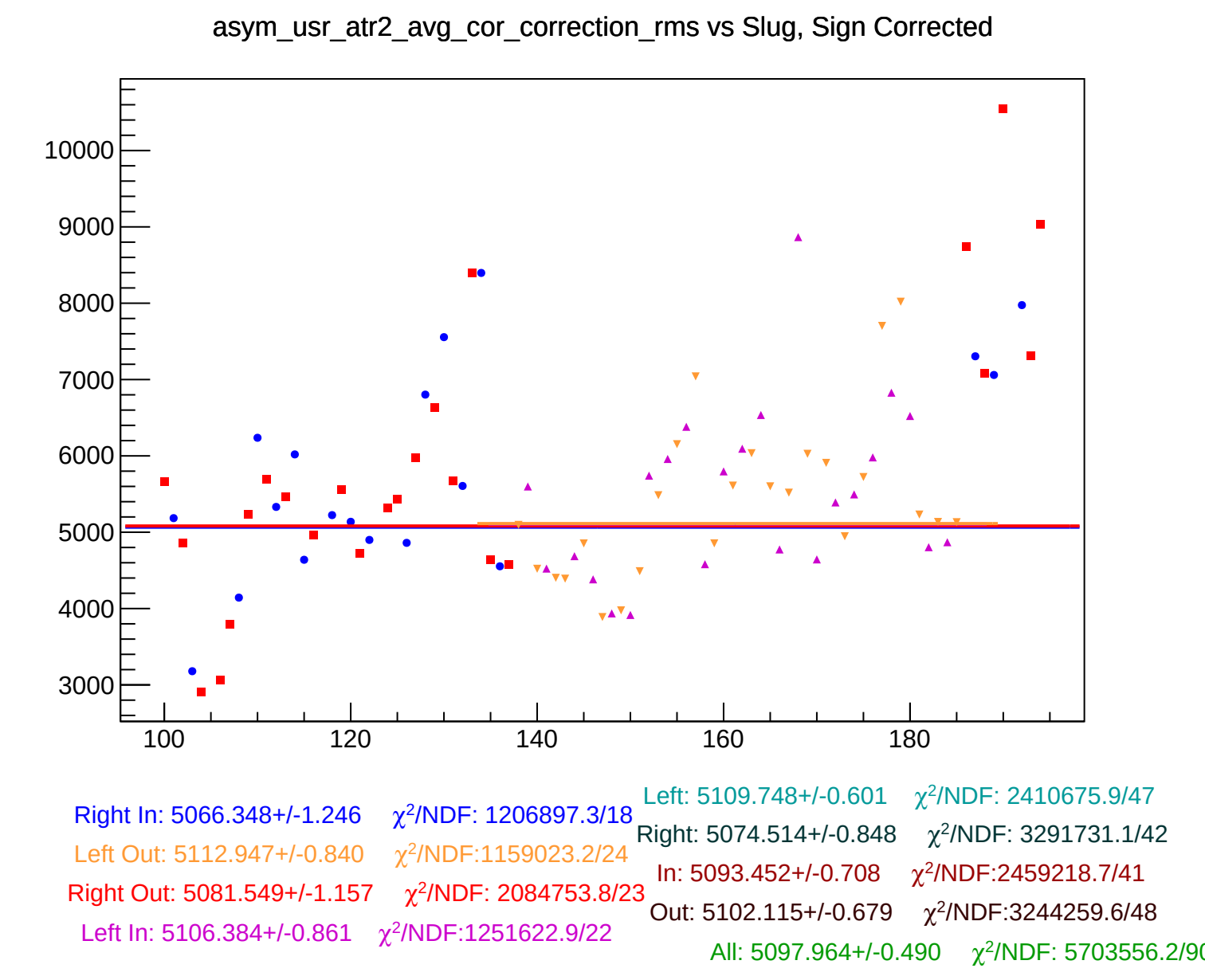
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

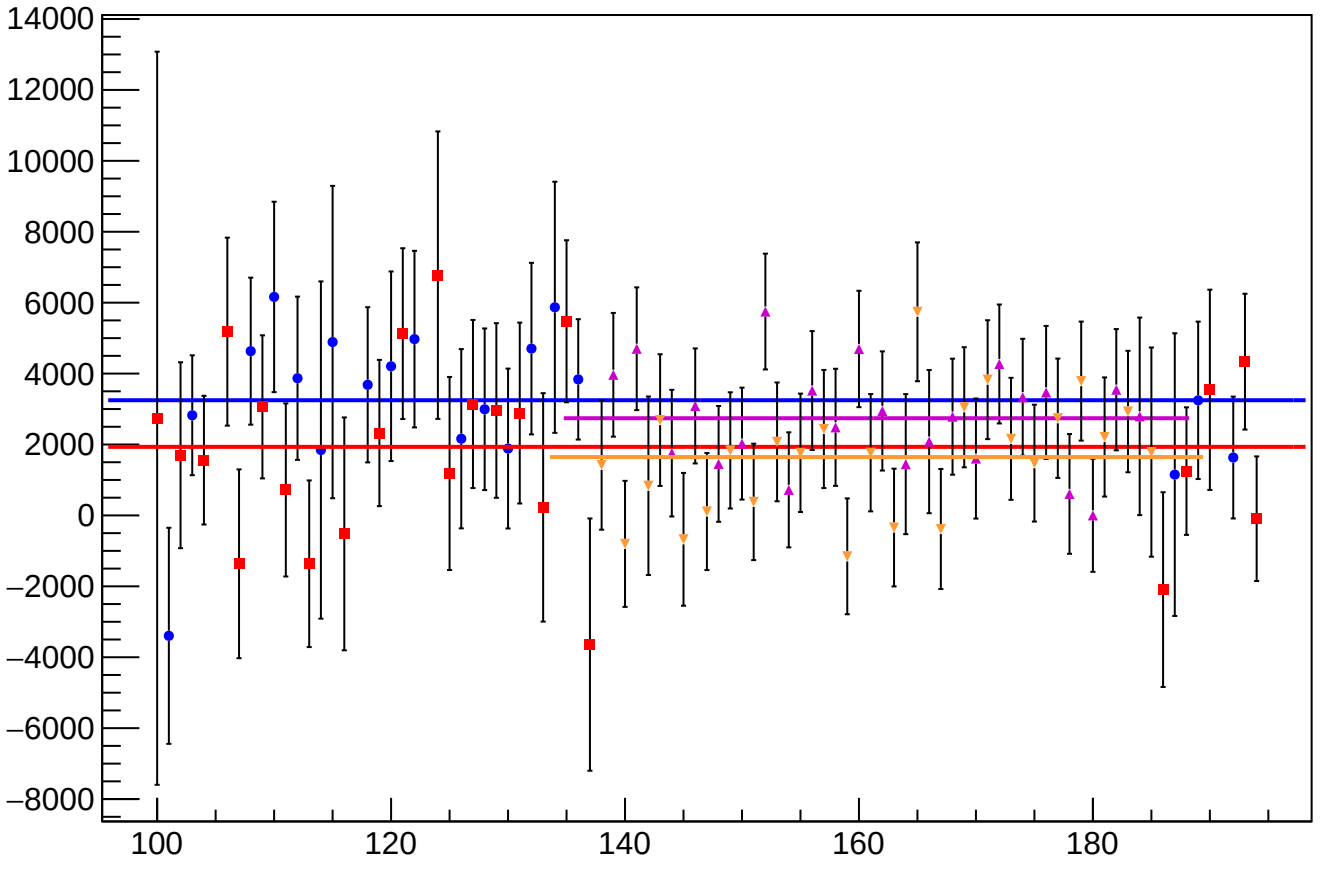
Right: -1564.405+/-1199.124 χ^2/NDF: 39.1/42

In: -309.902+/-1001.824 χ^2/NDF:30.5/41

Out: -450.453+/-960.915 χ^2/NDF:51.8/48

All: -383.106+/-693.481 χ^2/NDF: 82.4/90


asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
Right In: 5066.348+/-1.246 χ²/NDF: 1206897.3/18
Left Out: 5112.947+/-0.840 χ²/NDF:1159023.2/24
Right Out: 5081.549+/-1.157 χ²/NDF: 2084753.8/23
Left In: 5106.384+/-0.861 χ²/NDF:1251622.9/22
Left: 5109.748+/-0.601 χ²/NDF: 2410675.9/47
Right: 5074.514+/-0.848 χ²/NDF: 3291731.1/42
In: 5093.452+/-0.708 χ²/NDF:2459218.7/41
Out: 5102.115+/-0.679 χ²/NDF:3244259.6/48
All: 5097.964+/-0.490 χ²/NDF: 5703556.2/90



Right In: 3248.368+/-544.622 χ^2/NDF: 10.1/18

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1933.620+/-496.314 χ^2/NDF: 20.7/23

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

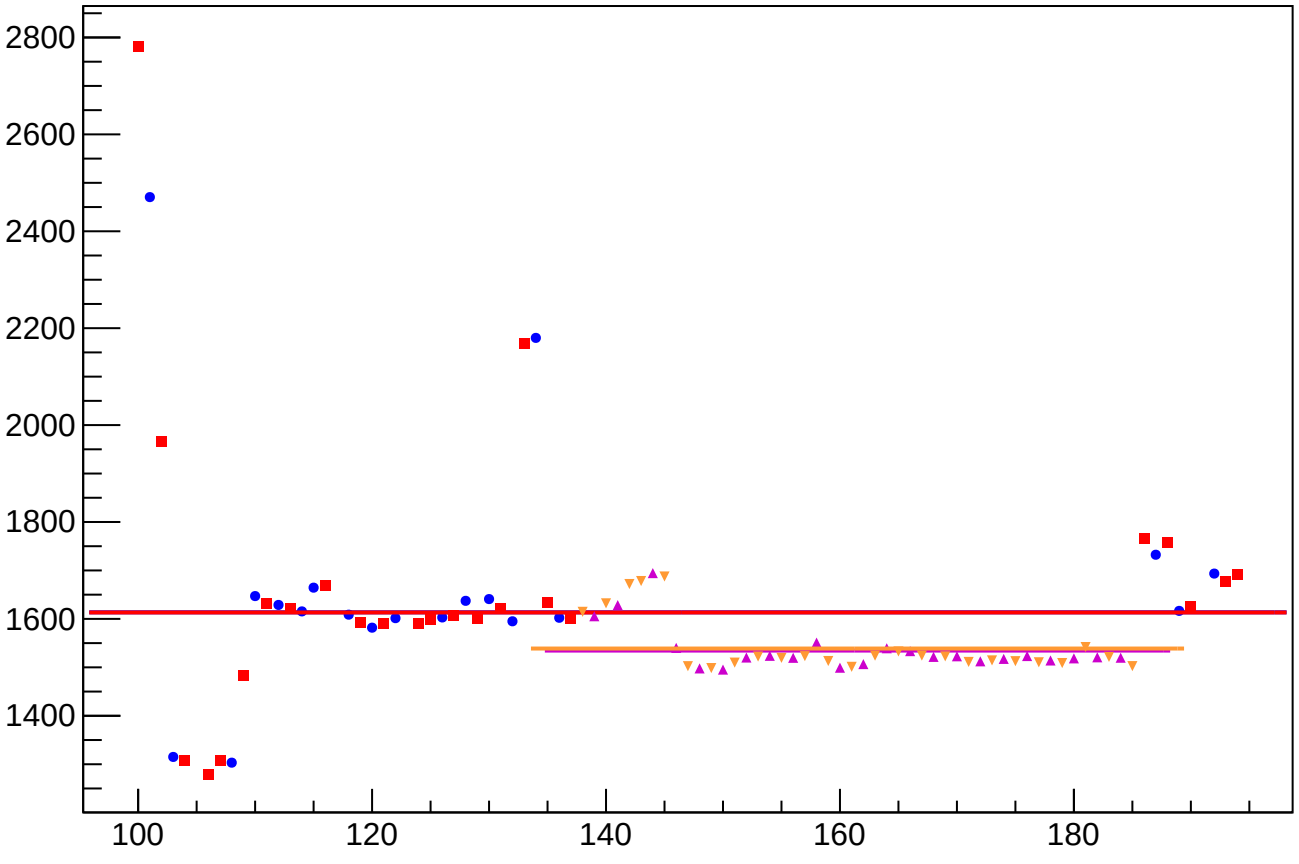
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2530.110+/-366.839 χ^2/NDF: 34.0/42

In: 2894.236+/-299.423 χ^2/NDF:27.2/41

Out: 1741.637+/-285.899 χ^2/NDF:42.0/48

All: 2291.319+/-206.777 χ^2/NDF: 76.9/90



Right In: 1613.583+/-0.385 χ^2/NDF: 324414.6/18

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1613.262+/-0.350 χ^2/NDF: 276803.9/23

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

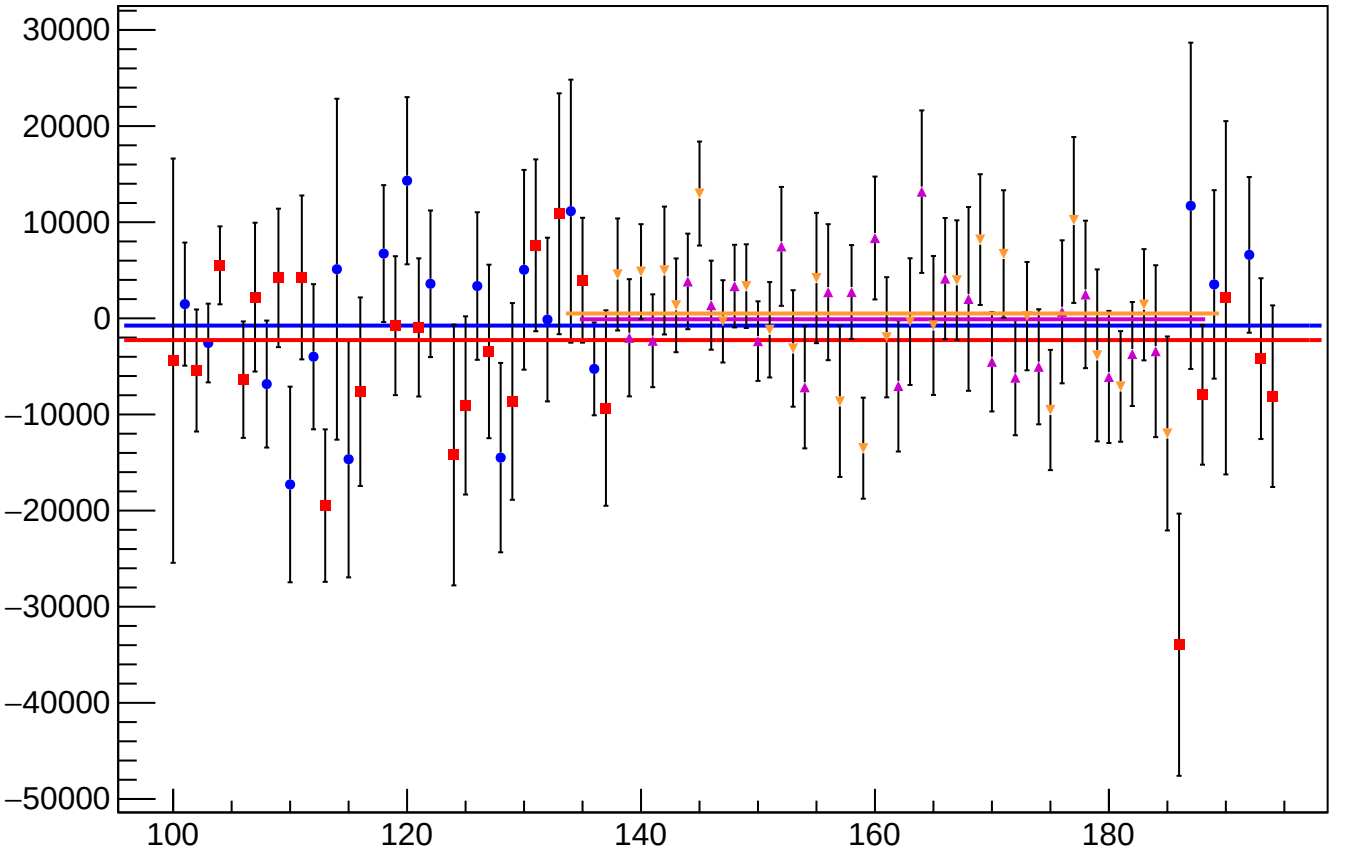
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1613.407+/-0.259 χ^2/NDF: 601218.8/42

In: 1558.483+/-0.212 χ^2/NDF:384873.6/41

Out: 1563.608+/-0.202 χ^2/NDF:354045.7/48

All: 1561.167+/-0.146 χ^2/NDF: 739226.0/90



Right In: -754.175+/-1762.729 χ^2/NDF: 15.5/18

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -2262.313+/-1635.990 χ^2/NDF: 23.2/23

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

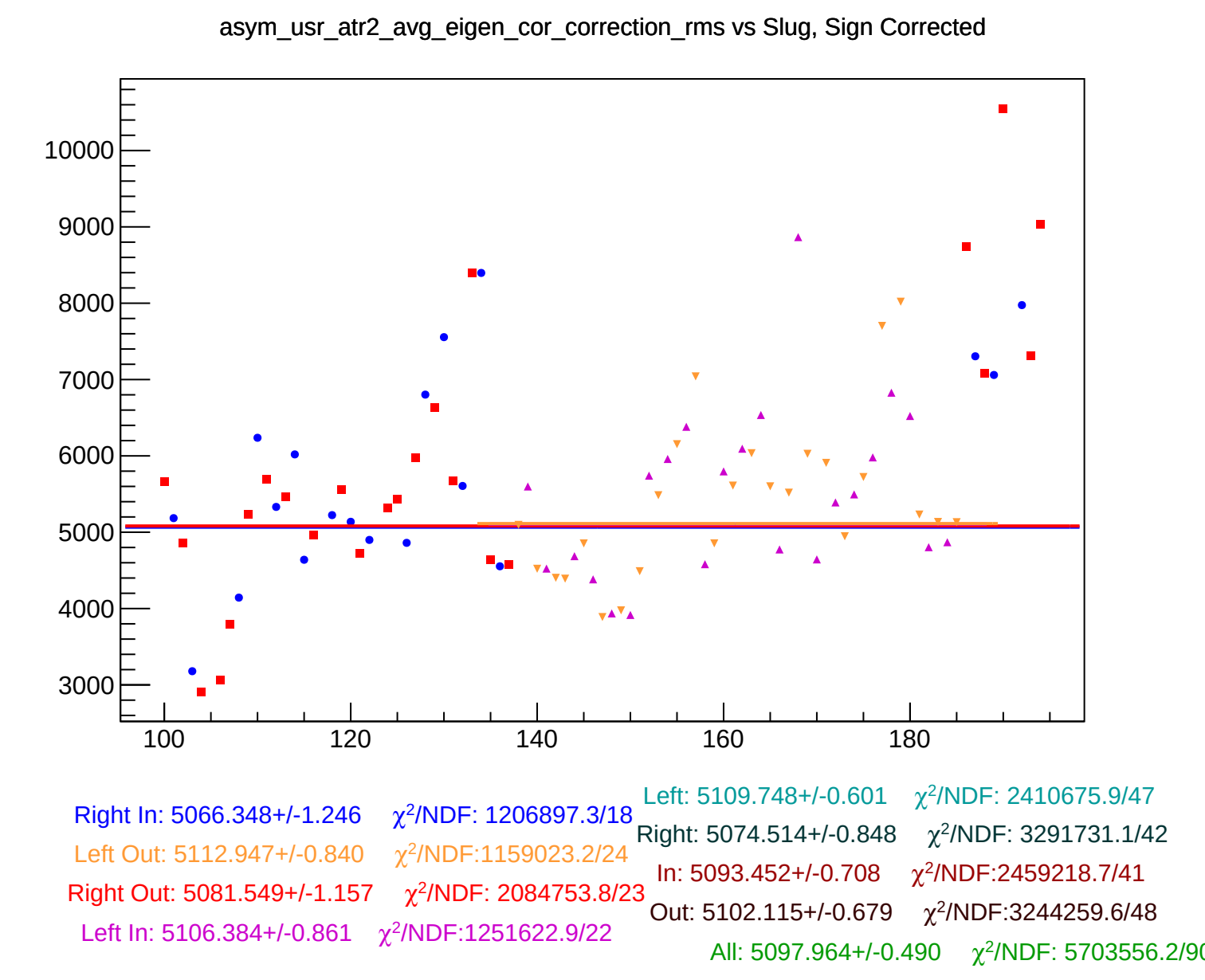
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -1564.405+/-1199.124 χ^2/NDF: 39.1/42

In: -309.902+/-1001.824 χ^2/NDF:30.5/41

Out: -450.453+/-960.915 χ^2/NDF:51.8/48

All: -383.106+/-693.481 χ^2/NDF: 82.4/90


asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
5000
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140
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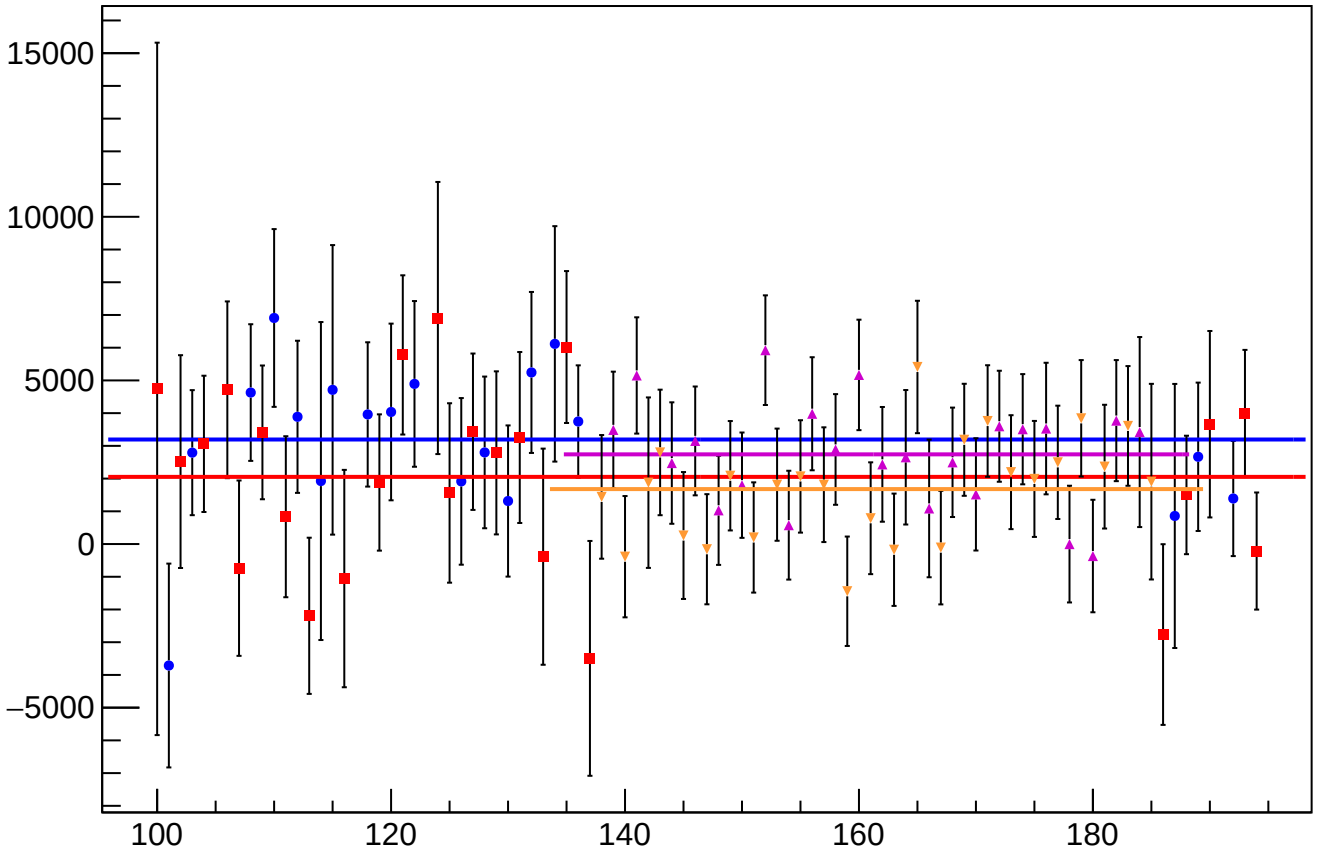
180
Right In: 5066.348+/-1.246 χ²/NDF: 1206897.3/18
Left Out: 5112.947+/-0.840 χ²/NDF:1159023.2/24
Right Out: 5081.549+/-1.157 χ²/NDF: 2084753.8/23
Left In: 5106.384+/-0.861 χ²/NDF:1251622.9/22
Left: 5109.748+/-0.601 χ²/NDF: 2410675.9/47
Right: 5074.514+/-0.848 χ²/NDF: 3291731.1/42
In: 5093.452+/-0.708 χ²/NDF:2459218.7/41
Out: 5102.115+/-0.679 χ²/NDF:3244259.6/48
All: 5097.964+/-0.490 χ²/NDF: 5703556.2/90



Right In: 3194.447+/-558.319 χ^2/NDF: 12.1/18

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: 2052.518+/-509.892 χ^2/NDF: 23.4/23

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

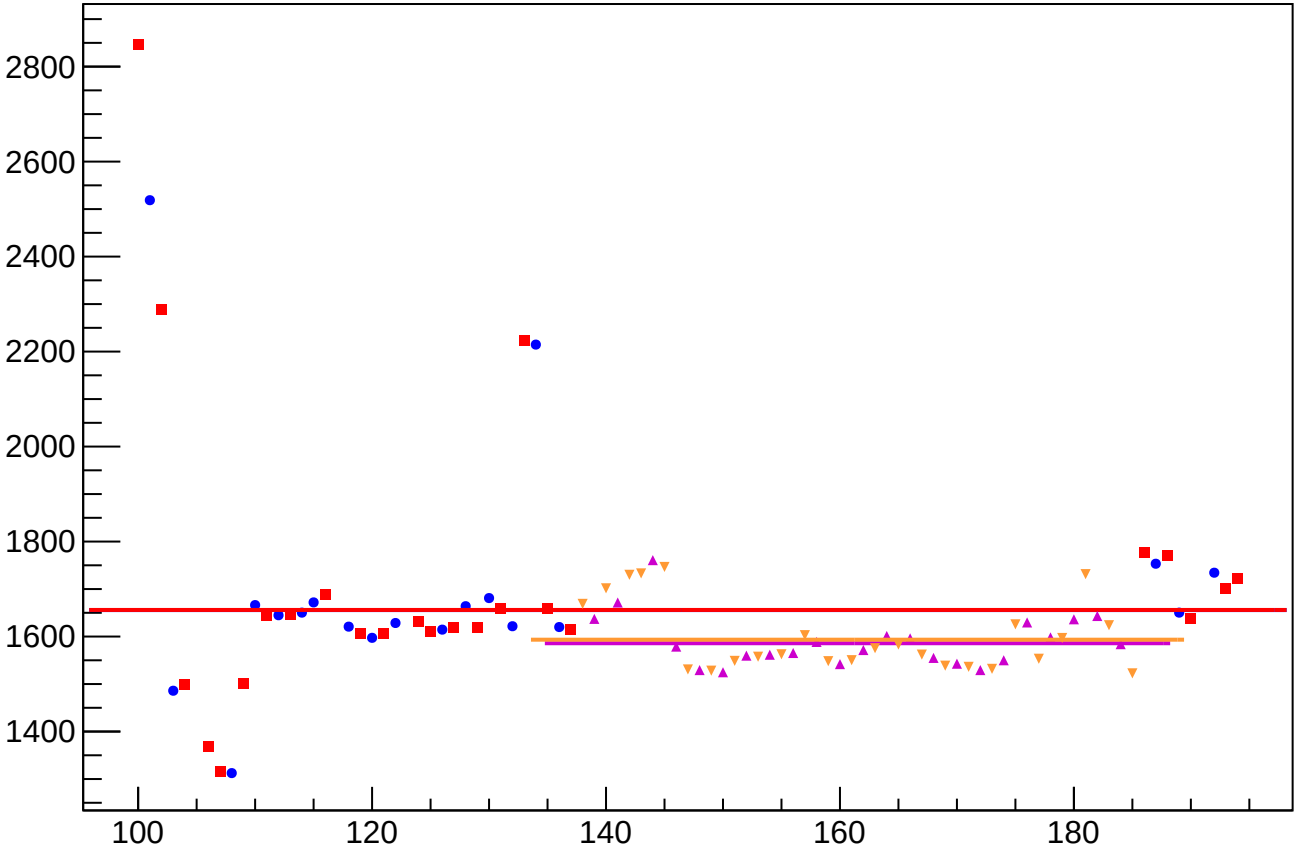
Right: 2571.820+/-376.507 χ^2/NDF: 37.8/42

In: 2879.455+/-308.771 χ^2/NDF:31.7/41

Out: 1804.462+/-295.387 χ^2/NDF:42.7/48

All: 2318.155+/-213.445 χ^2/NDF: 80.8/90

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1655.741+/-0.395 χ^2/NDF: 280697.1/18

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1656.003+/-0.360 χ^2/NDF: 258021.5/23

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

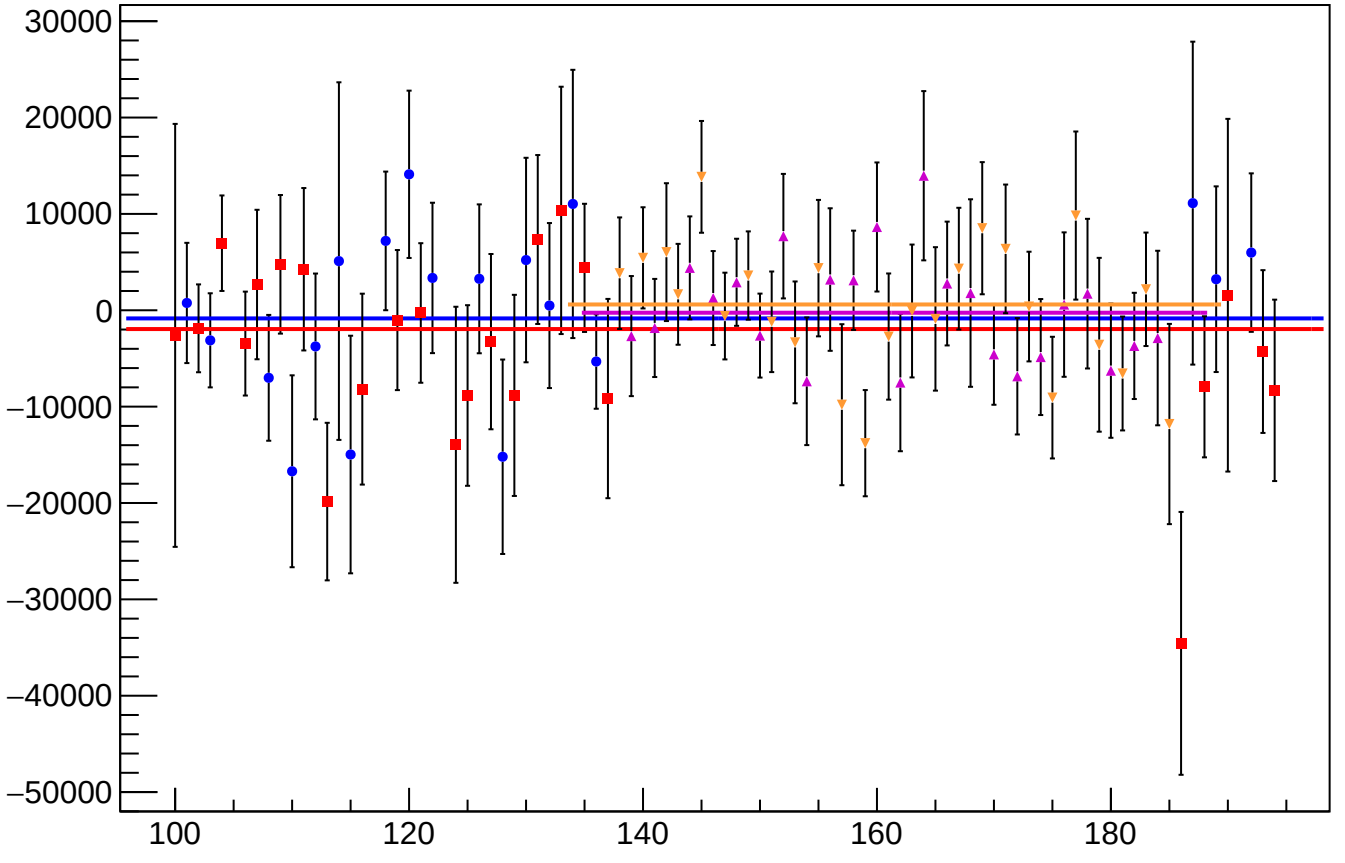
Right: 1655.884+/-0.266 χ^2/NDF: 538718.8/42

In: 1607.273+/-0.218 χ^2/NDF:344324.9/41

Out: 1614.419+/-0.209 χ^2/NDF:349952.8/48

All: 1611.005+/-0.151 χ^2/NDF: 694837.1/90

asym_usr_atr2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -845.466+/-1819.226 χ^2/NDF: 15.4/18

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: -1949.737+/-1623.516 χ^2/NDF: 22.4/23

Left In: -255.905+/-1262.607 χ^2/NDF:14.6/22

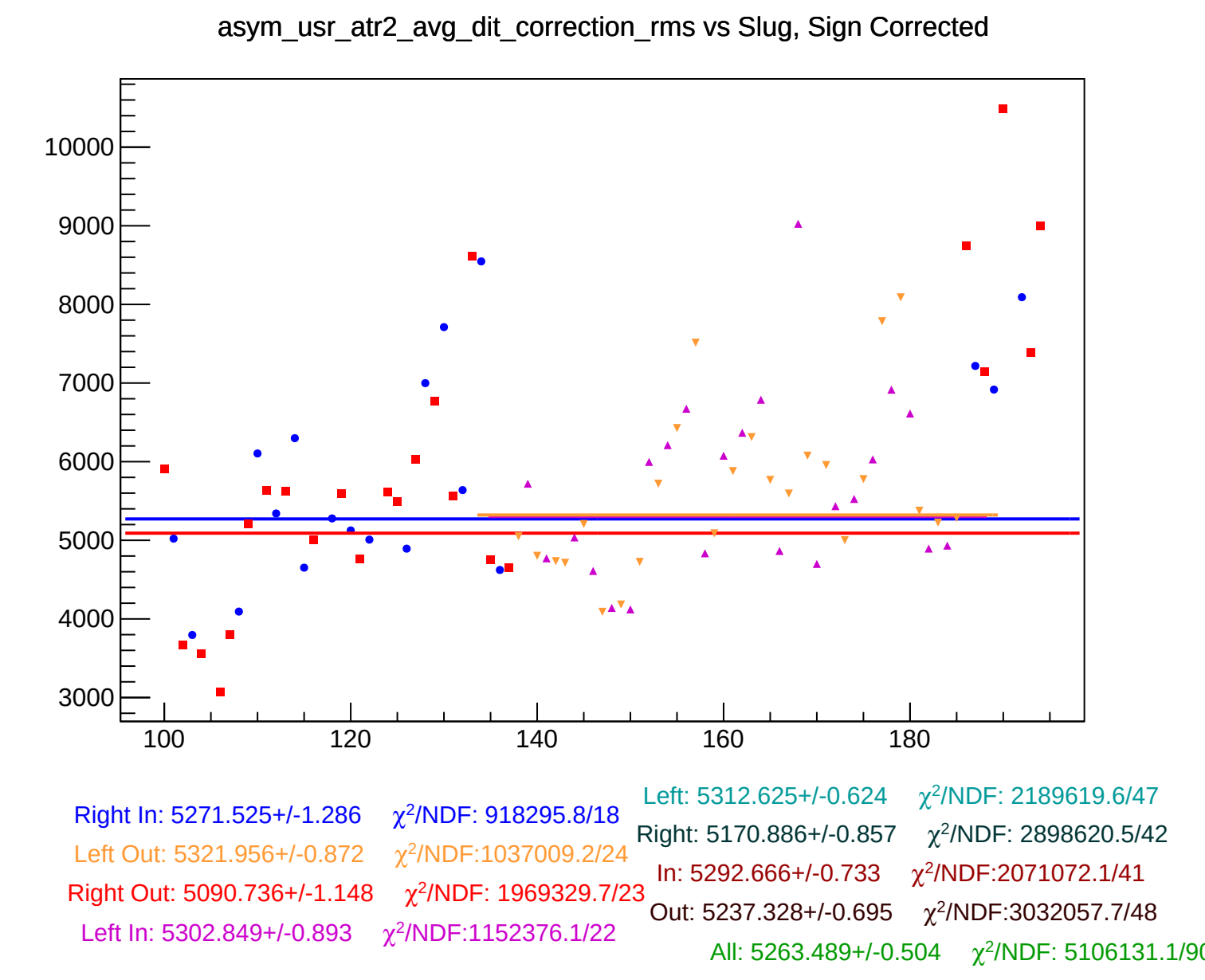
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

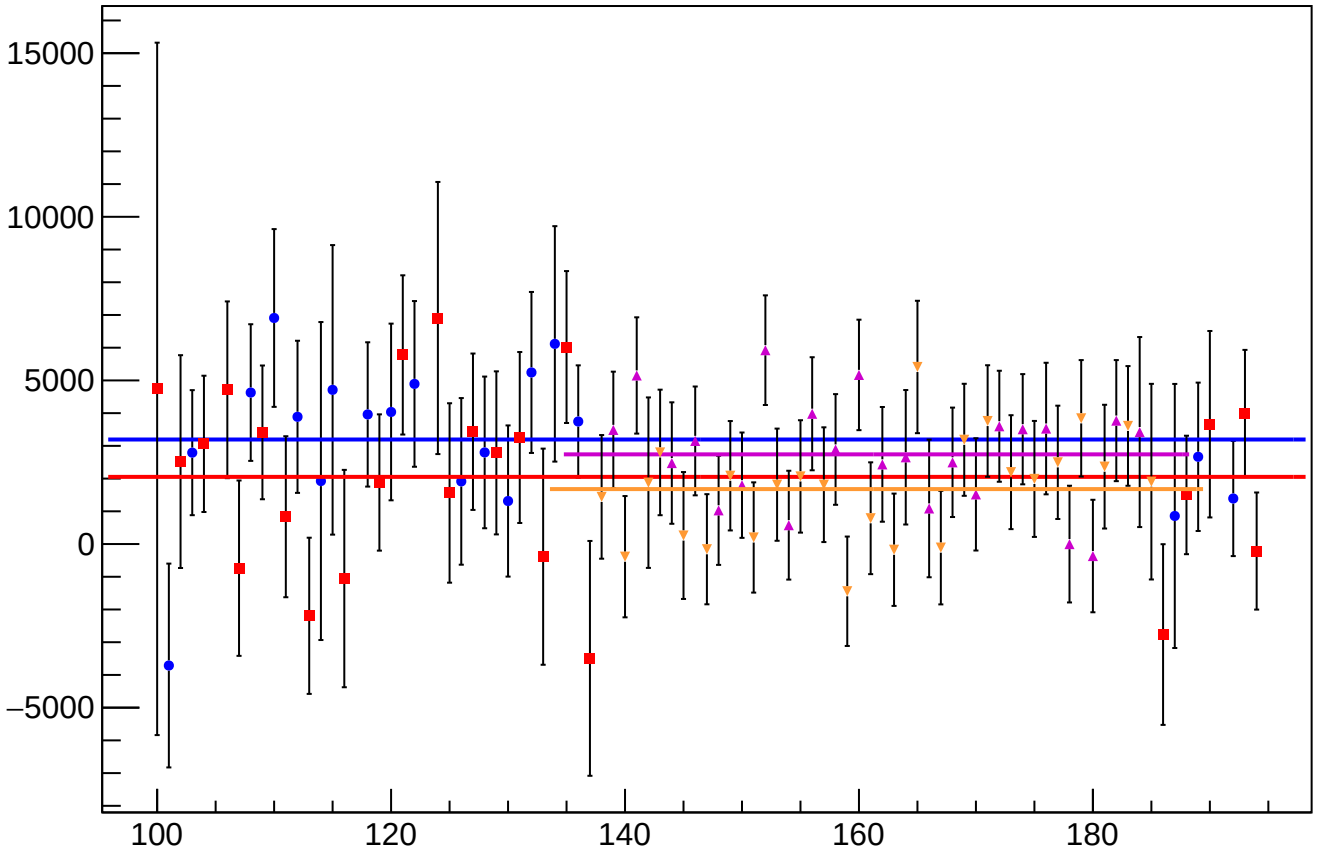
Right: -1460.174+/-1211.304 χ^2/NDF: 38.0/42

In: -447.567+/-1037.266 χ^2/NDF:30.1/41

Out: -332.070+/-982.204 χ^2/NDF:50.0/48

All: -386.672+/-713.195 χ^2/NDF: 80.2/90


asym_usr_atr2_avg_dit_correction_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
Right In: 5271.525+/-1.286 χ²/NDF: 918295.8/18
Left Out: 5321.956+/-0.872 χ²/NDF:1037009.2/24
Right Out: 5090.736+/-1.148 χ²/NDF: 1969329.7/23
Left In: 5302.849+/-0.893 χ²/NDF:1152376.1/22
Left: 5312.625+/-0.624 χ²/NDF: 2189619.6/47
Right: 5170.886+/-0.857 χ²/NDF: 2898620.5/42
In: 5292.666+/-0.733 χ²/NDF:2071072.1/41
Out: 5237.328+/-0.695 χ²/NDF:3032057.7/48
All: 5263.489+/-0.504 χ²/NDF: 5106131.1/90



Right In: 3194.449+/-558.319 χ^2/NDF: 12.1/18

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: 2052.522+/-509.892 χ^2/NDF: 23.4/23

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

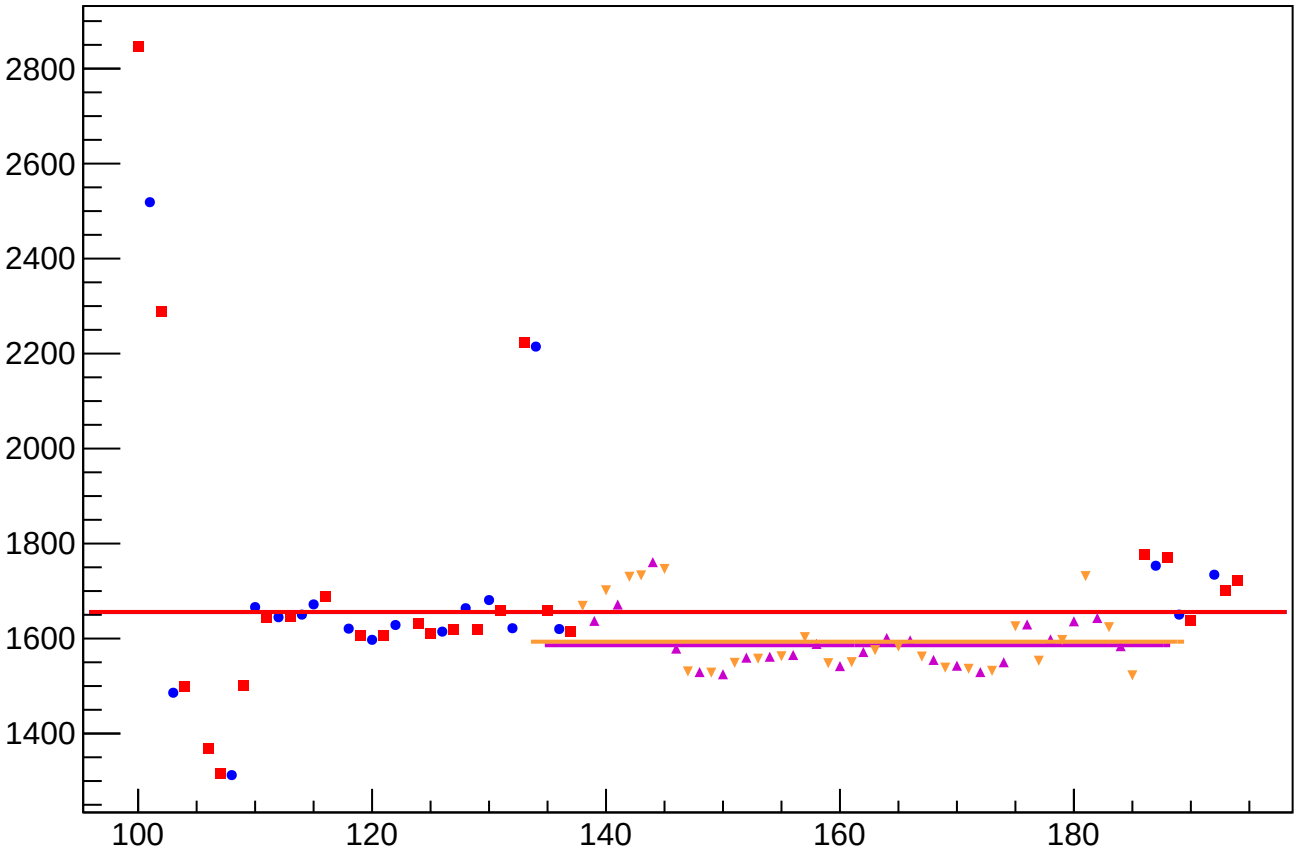
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2571.823+/-376.507 χ^2/NDF: 37.8/42

In: 2879.456+/-308.771 χ^2/NDF:31.7/41

Out: 1804.459+/-295.387 χ^2/NDF:42.7/48

All: 2318.154+/-213.445 χ^2/NDF: 80.8/90



Right In: 1655.740+/-0.395 χ^2/NDF: 280697.1/18

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

Right Out: 1656.003+/-0.360 χ^2/NDF: 258021.3/23

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

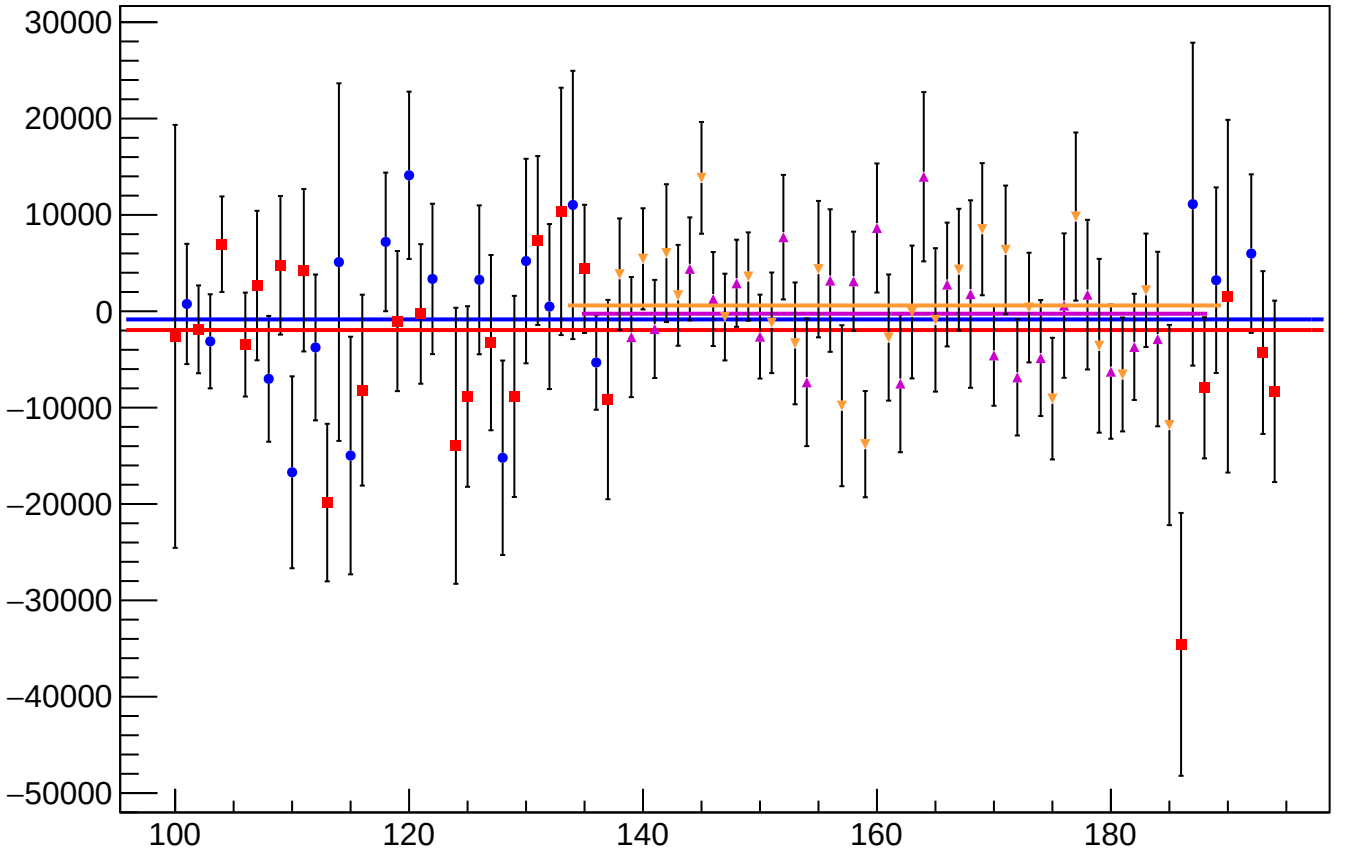
Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

Right: 1655.883+/-0.266 χ^2/NDF: 538718.6/42

In: 1607.274+/-0.218 χ^2/NDF:344323.7/41

Out: 1614.419+/-0.209 χ^2/NDF:349951.7/48

All: 1611.006+/-0.151 χ^2/NDF: 694834.8/90



Right In: -845.452+/-1819.224 χ^2/NDF: 15.4/18

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: -1949.735+/-1623.514 χ^2/NDF: 22.4/23

Left In: -255.907+/-1262.609 χ^2/NDF:14.6/22

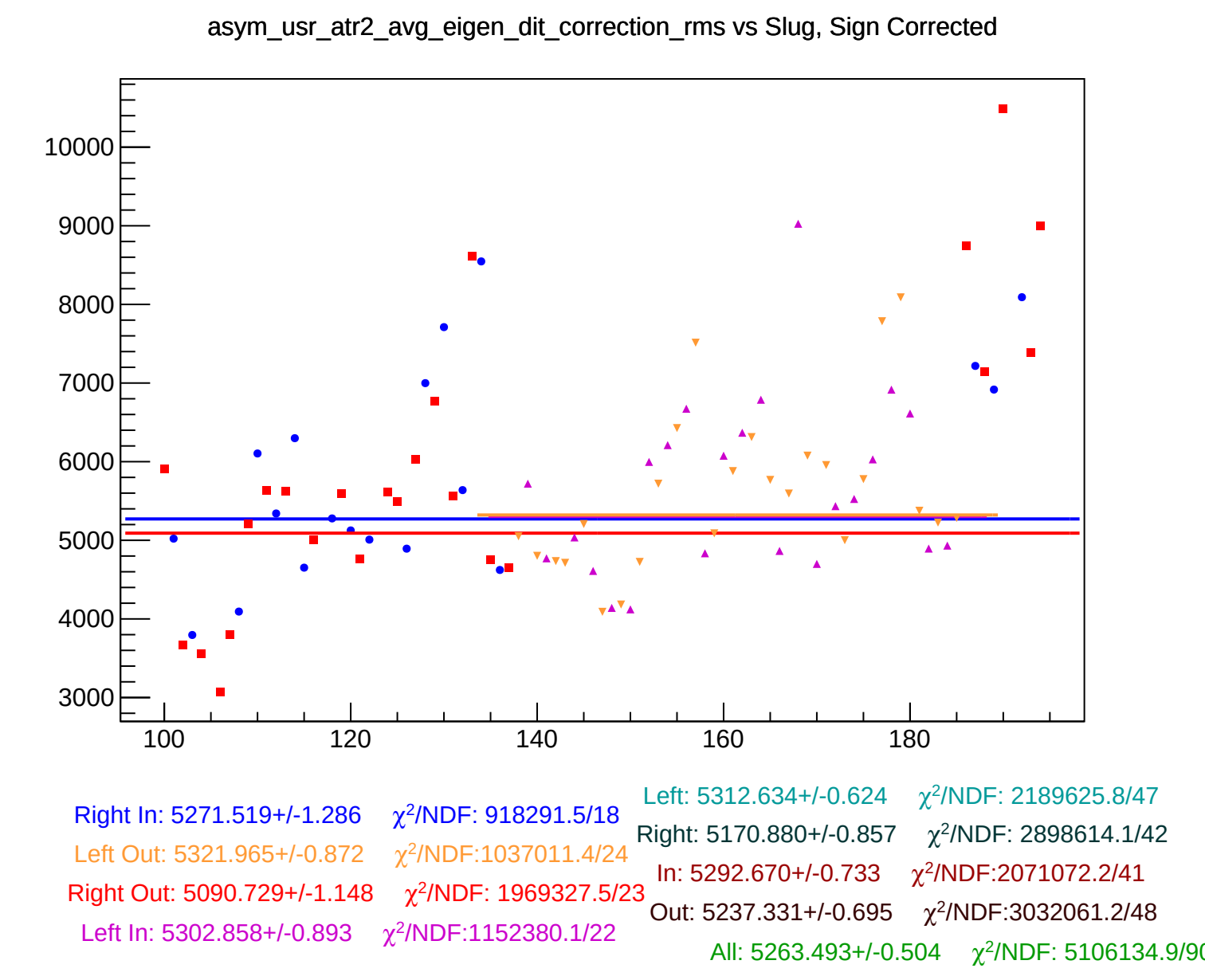
Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

Right: -1460.167+/-1211.302 χ^2/NDF: 38.0/42

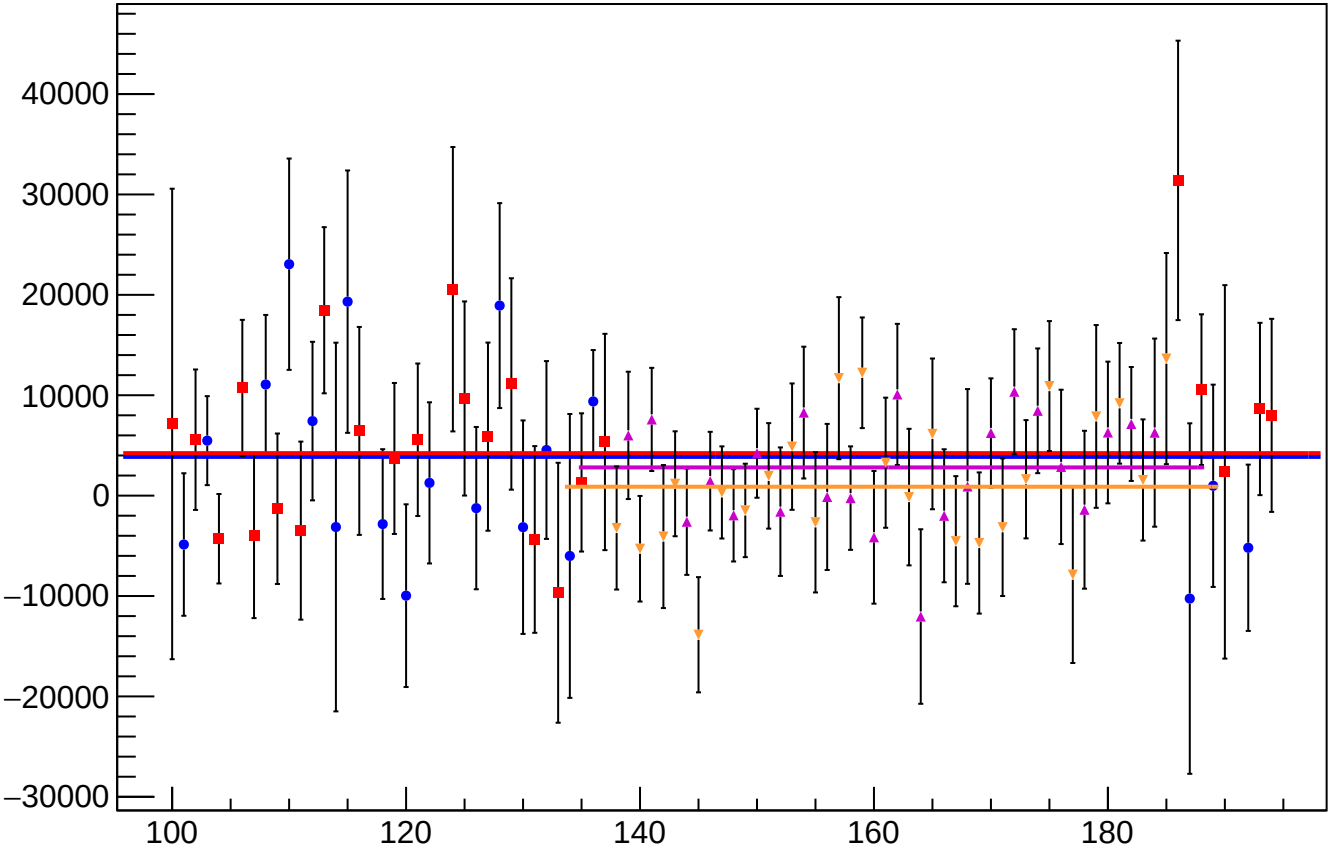
In: -447.565+/-1037.267 χ^2/NDF:30.1/41

Out: -332.075+/-982.205 χ^2/NDF:50.0/48

All: -386.673+/-713.195 χ^2/NDF: 80.2/90


asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
Right In: 5271.519+/-1.286 χ²/NDF: 918291.5/18
Left Out: 5321.965+/-0.872 χ²/NDF:1037011.4/24
Right Out: 5090.729+/-1.148 χ²/NDF: 1969327.5/23
Left In: 5302.858+/-0.893 χ²/NDF:1152380.1/22
Left: 5312.634+/-0.624 χ²/NDF: 2189625.8/47
Right: 5170.880+/-0.857 χ²/NDF: 2898614.1/42
In: 5292.670+/-0.733 χ²/NDF:2071072.2/41
Out: 5237.331+/-0.695 χ²/NDF:3032061.2/48
All: 5263.493+/-0.504 χ²/NDF: 5106134.9/90

asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3860.328+/-1862.027 χ^2/NDF: 17.6/18

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: 4232.784+/-1734.795 χ^2/NDF: 19.2/23

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

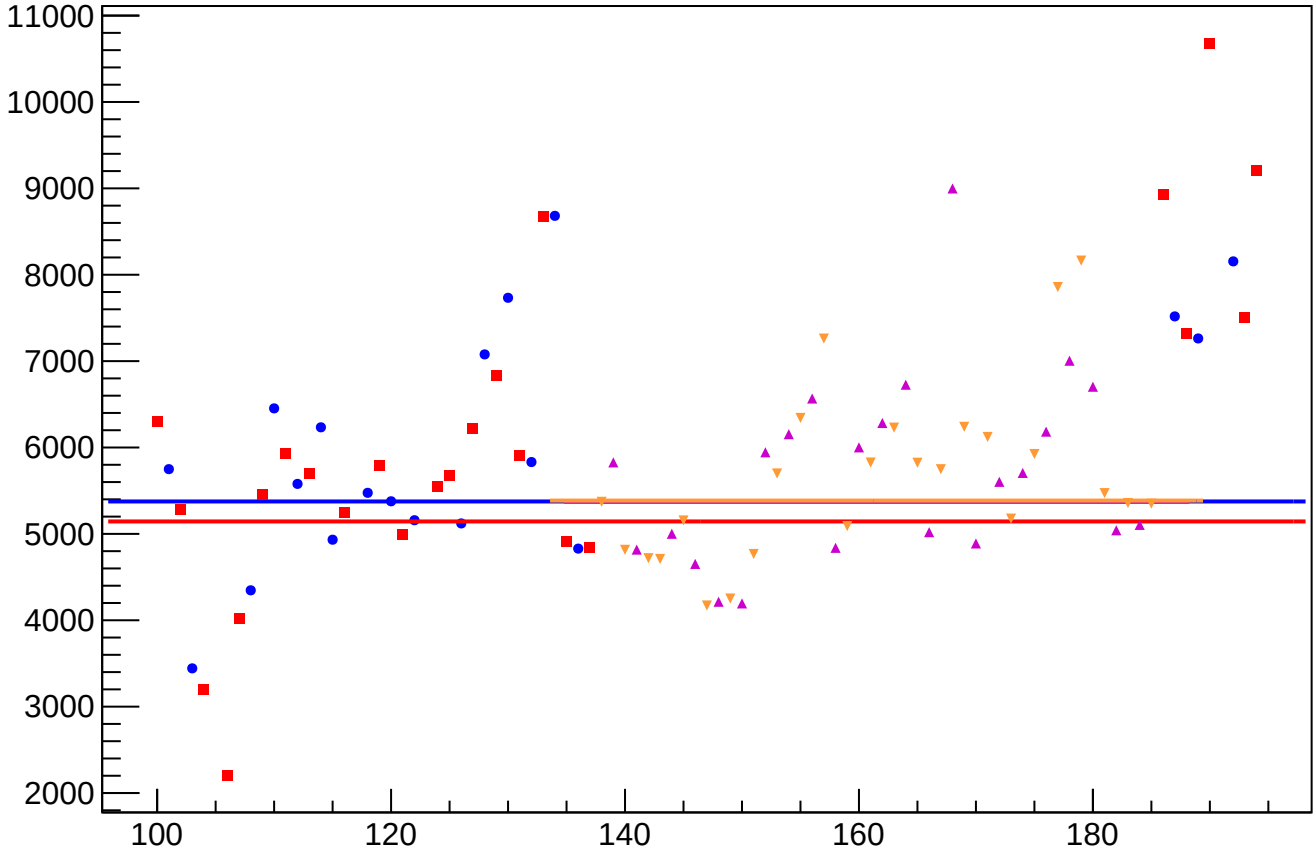
Right: 4059.715+/-1269.284 χ^2/NDF: 36.9/42

In: 3146.541+/-1053.257 χ^2/NDF:32.5/41

Out: 2025.214+/-1012.283 χ^2/NDF:47.3/48

All: 2563.643+/-729.848 χ^2/NDF: 80.5/90

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5375.357+/-1.317 χ^2/NDF: 1079483.6/18

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 5144.052+/-1.186 χ^2/NDF: 2493671.7/23

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

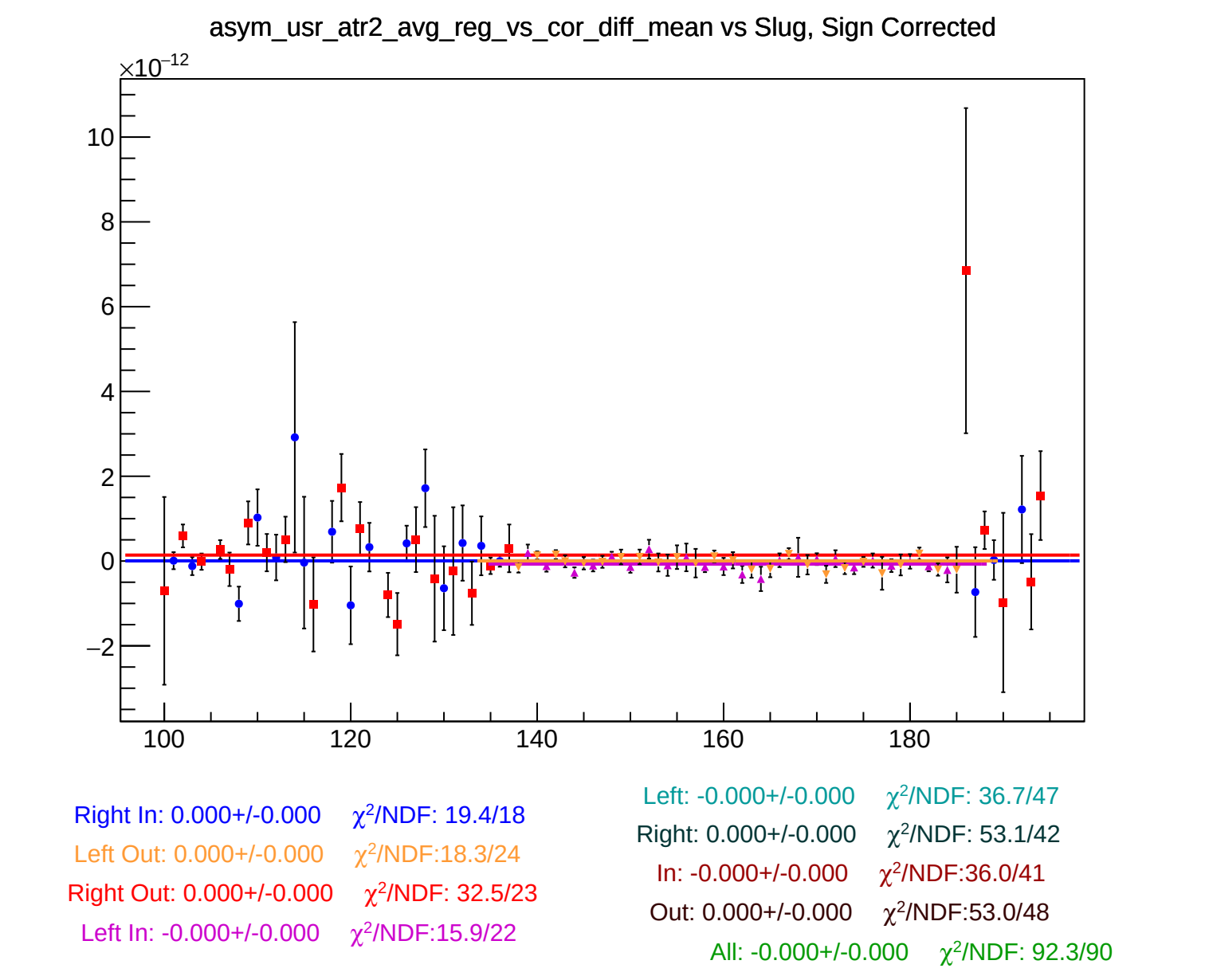
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

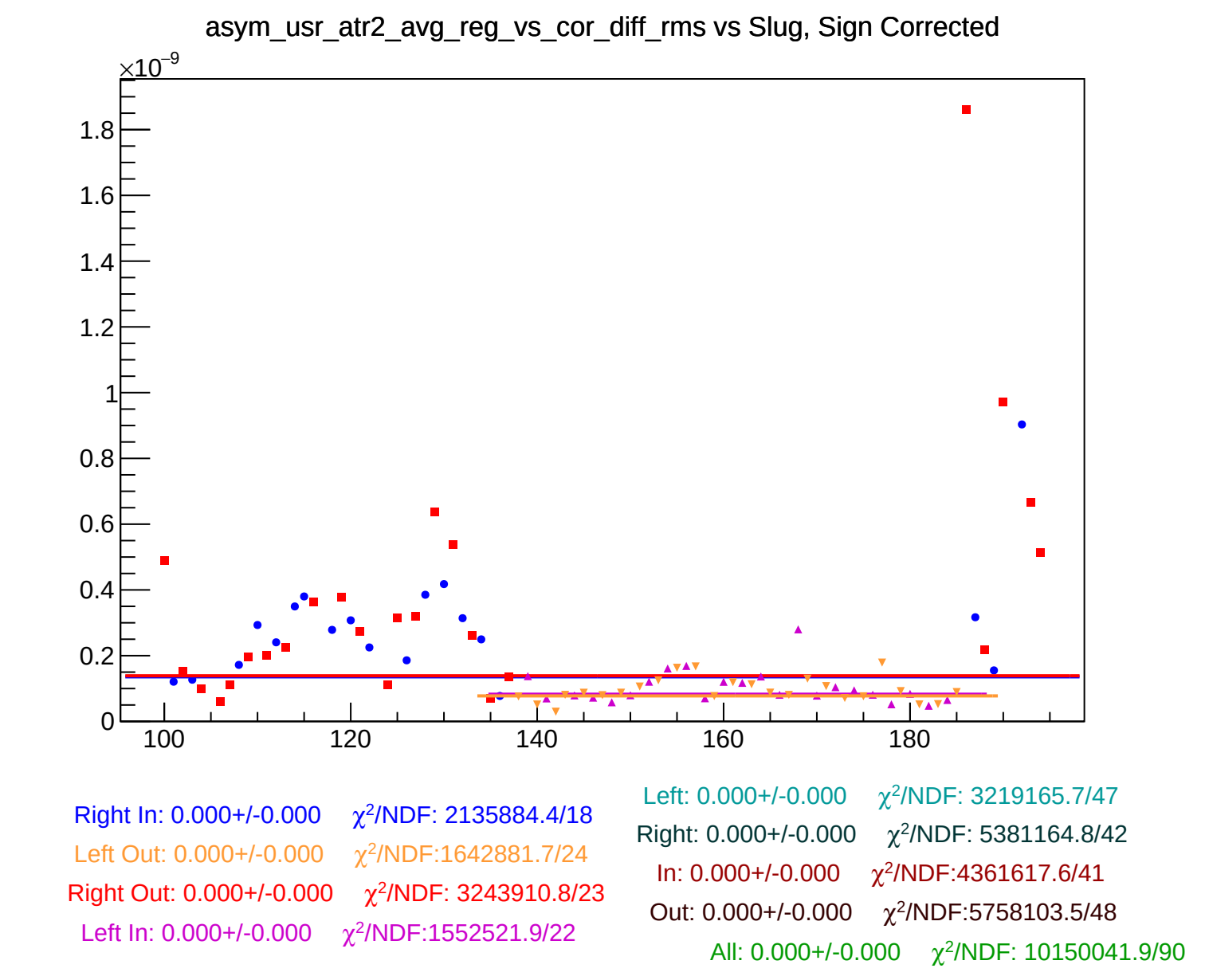
Right: 5247.705+/-0.881 χ^2/NDF: 3590187.6/42

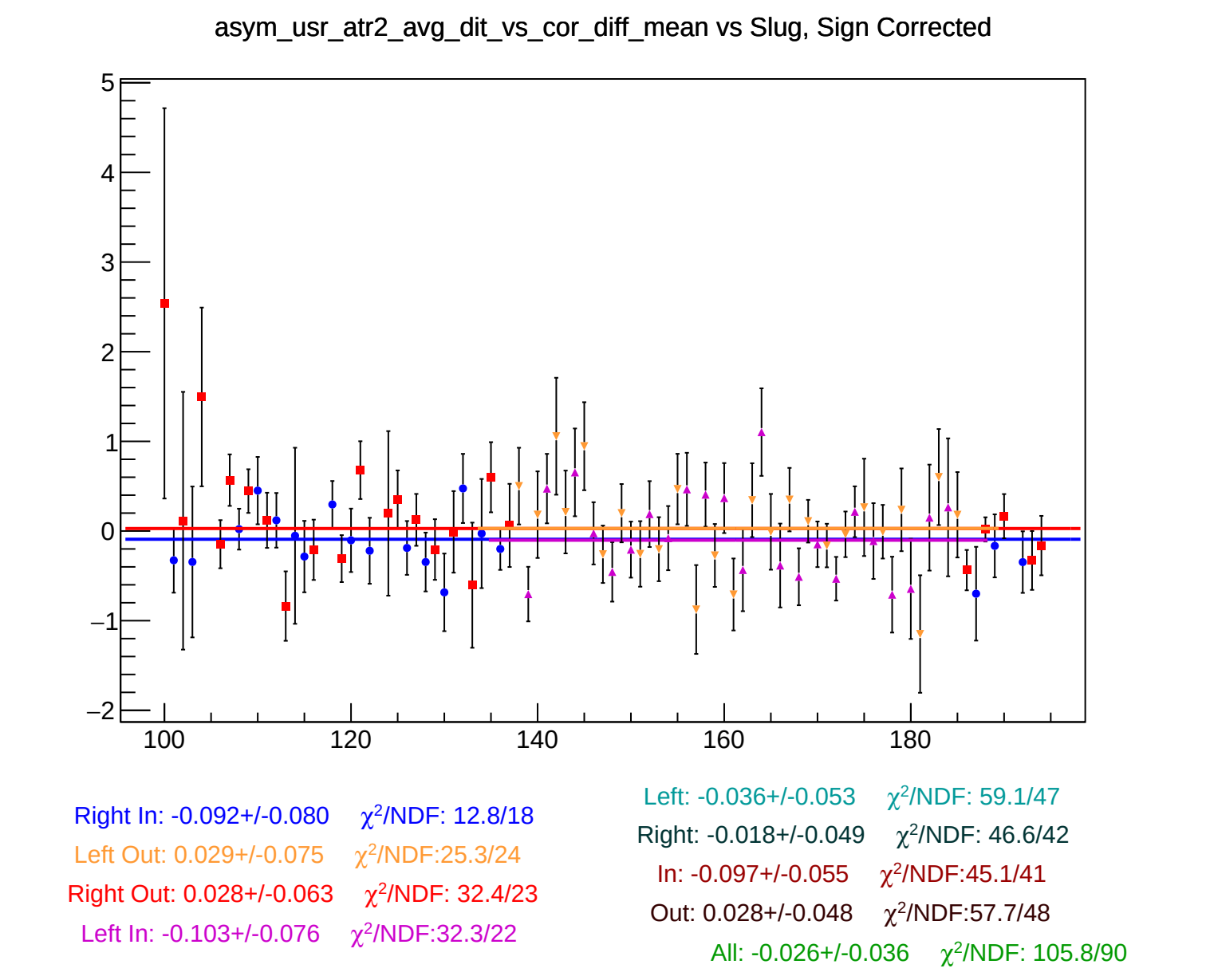
In: 5373.664+/-0.745 χ^2/NDF:2151307.3/41

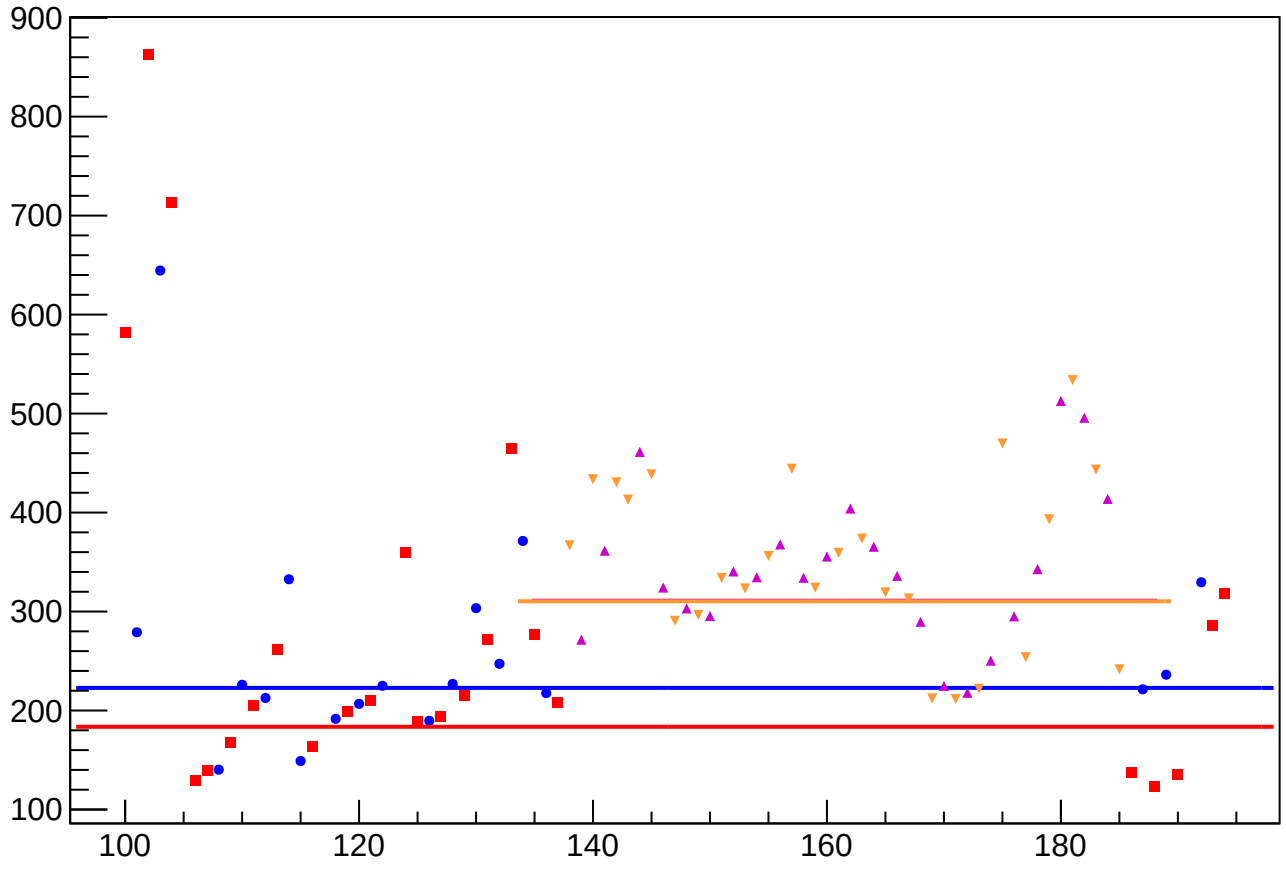
Out: 5299.733+/-0.708 χ^2/NDF:3507481.2/48

All: 5334.804+/-0.513 χ^2/NDF: 5663967.9/90


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 19.4/18
Left Out: 0.000+/-0.000 χ²/NDF:18.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 32.5/23
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: 53.1/42
In: -0.000+/-0.000 χ²/NDF:36.0/41
Out: 0.000+/-0.000 χ²/NDF:53.0/48
All: -0.000+/-0.000 χ²/NDF: 92.3/90


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 2135884.4/18
Left Out: 0.000+/-0.000 χ²/NDF:1642881.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 3243910.8/23
Left In: 0.000+/-0.000 χ²/NDF:1552521.9/22
Left: 0.000+/-0.000 χ²/NDF: 3219165.7/47
Right: 0.000+/-0.000 χ²/NDF: 5381164.8/42
In: 0.000+/-0.000 χ²/NDF:4361617.6/41
Out: 0.000+/-0.000 χ²/NDF:5758103.5/48
All: 0.000+/-0.000 χ²/NDF: 10150041.9/90


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
−2
100
120
140
160
180
Right In: -0.092+/-0.080 χ²/NDF: 12.8/18
Left Out: 0.029+/-0.075 χ²/NDF:25.3/24
Right Out: 0.028+/-0.063 χ²/NDF: 32.4/23
Left In: -0.103+/-0.076 χ²/NDF:32.3/22
Left: -0.036+/-0.053 χ²/NDF: 59.1/47
Right: -0.018+/-0.049 χ²/NDF: 46.6/42
In: -0.097+/-0.055 χ²/NDF:45.1/41
Out: 0.028+/-0.048 χ²/NDF:57.7/48
All: -0.026+/-0.036 χ²/NDF: 105.8/90



Right In: 222.875+/-0.056 χ^2/NDF: 1359437.6/18

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 183.577+/-0.044 χ^2/NDF: 3031969.7/23

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

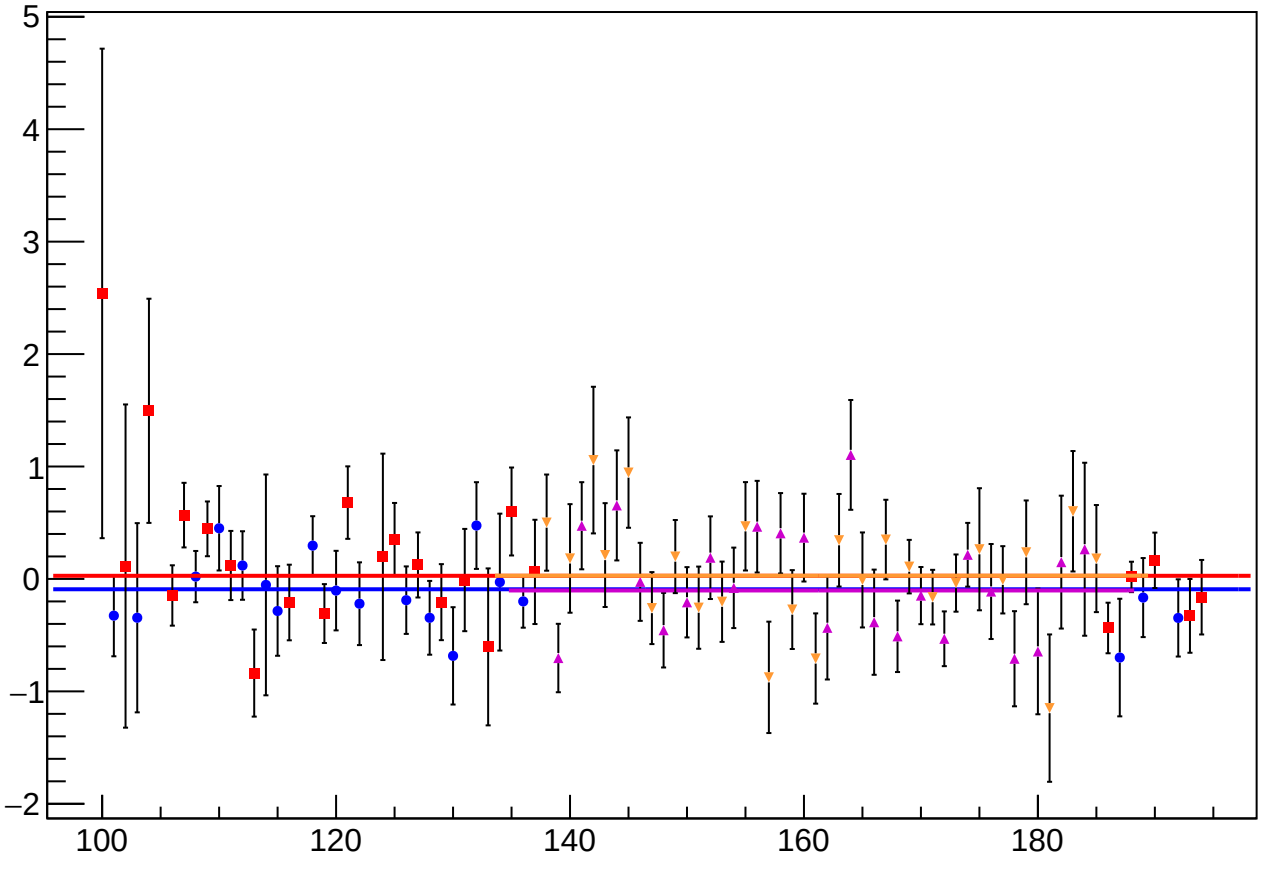
Right: 198.606+/-0.035 χ^2/NDF: 4691084.8/42

In: 268.907+/-0.039 χ^2/NDF:4233935.6/41

Out: 236.086+/-0.034 χ^2/NDF:8773010.1/48

All: 250.258+/-0.026 χ^2/NDF: 13409809.9/90

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.092+/-0.080 χ^2/NDF: 12.8/18

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.028+/-0.063 χ^2/NDF: 32.4/23

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

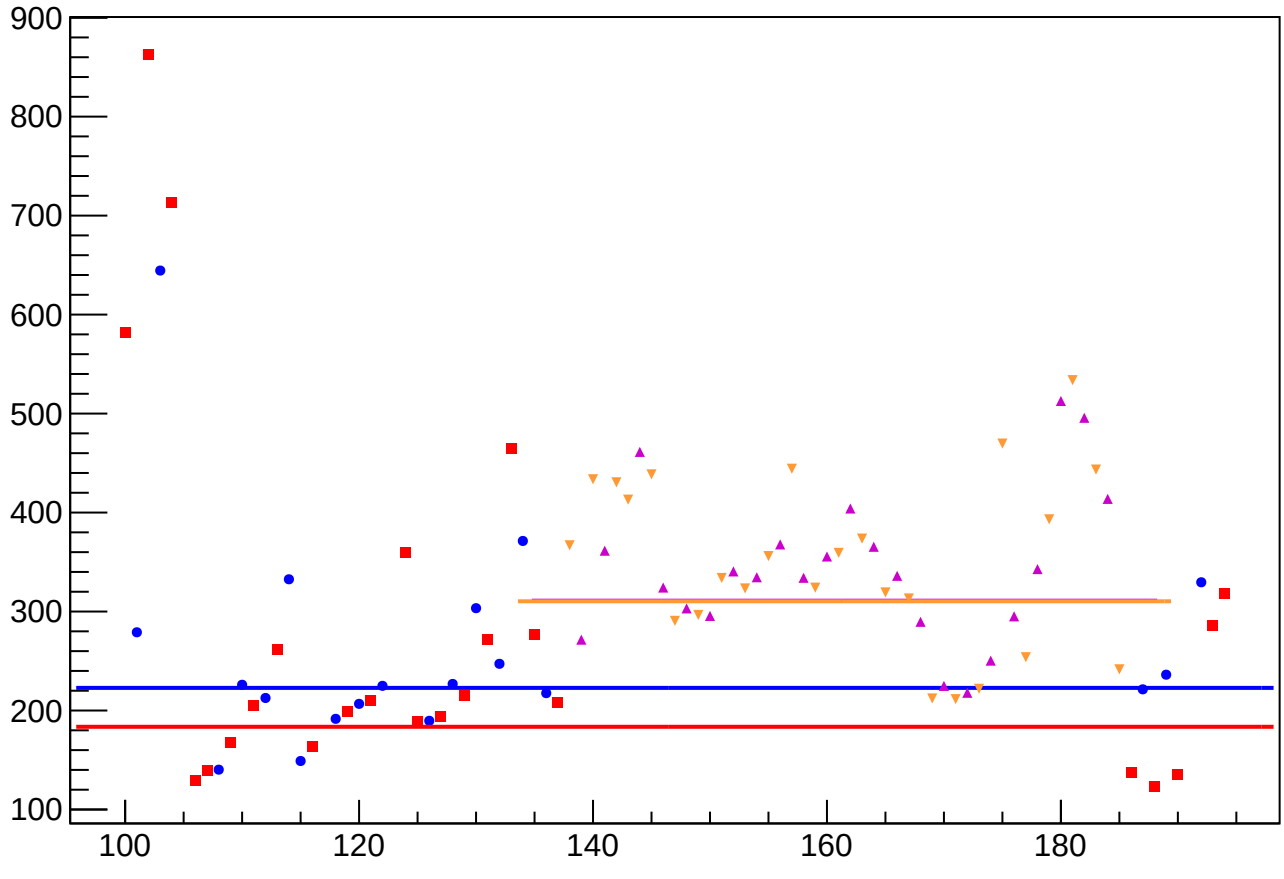
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.018+/-0.049 χ^2/NDF: 46.6/42

In: -0.097+/-0.055 χ^2/NDF:45.1/41

Out: 0.028+/-0.048 χ^2/NDF:57.7/48

All: -0.026+/-0.036 χ^2/NDF: 105.8/90



Right In: 222.875+/-0.056 χ^2/NDF: 1359437.6/18

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 183.577+/-0.044 χ^2/NDF: 3031969.7/23

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

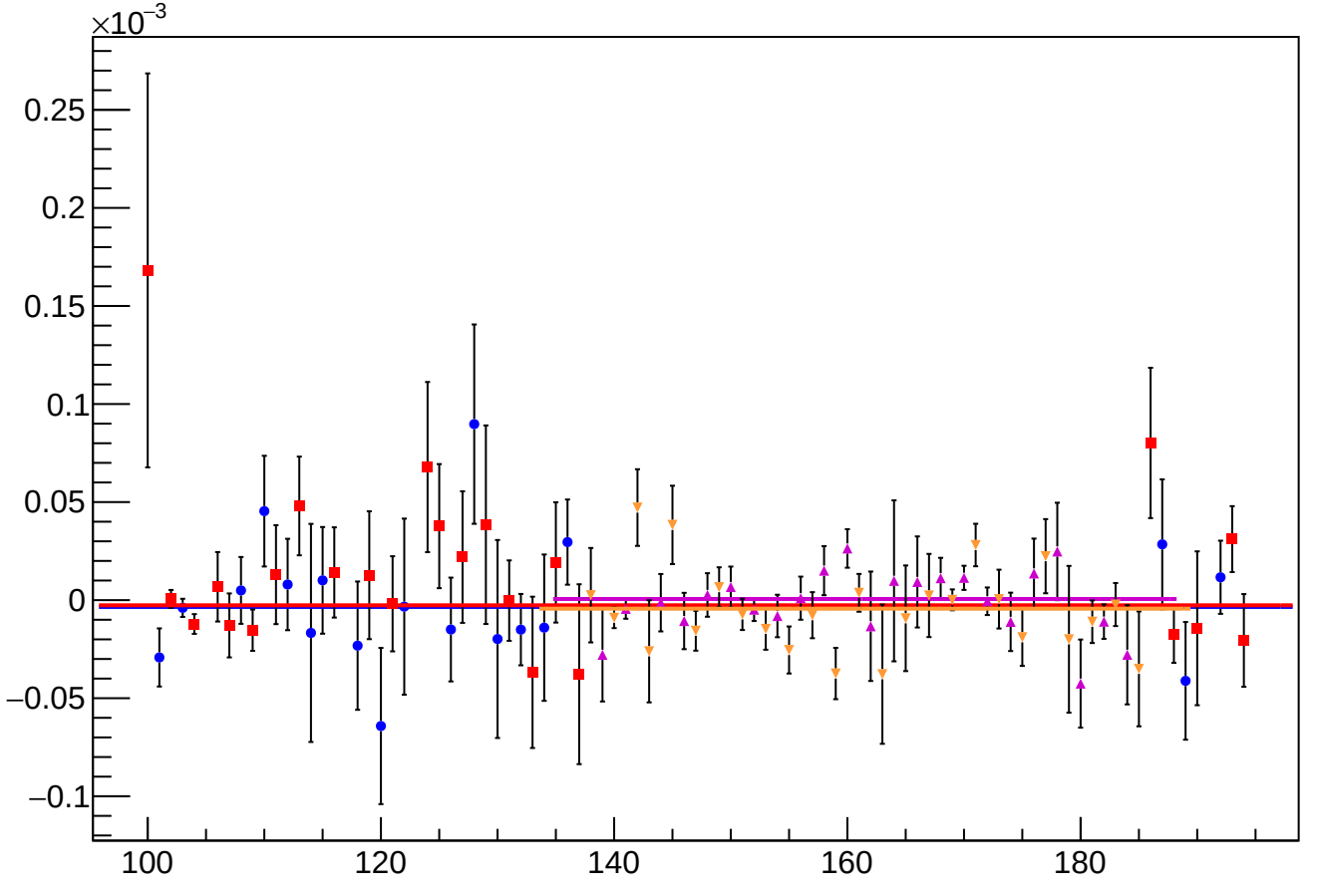
Right: 198.606+/-0.035 χ^2/NDF: 4691084.8/42

In: 268.907+/-0.039 χ^2/NDF:4233935.6/41

Out: 236.086+/-0.034 χ^2/NDF:8773010.1/48

All: 250.258+/-0.026 χ^2/NDF: 13409809.9/90

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.0/23

Left In: 0.000+/-0.000 χ^2/NDF:26.6/22

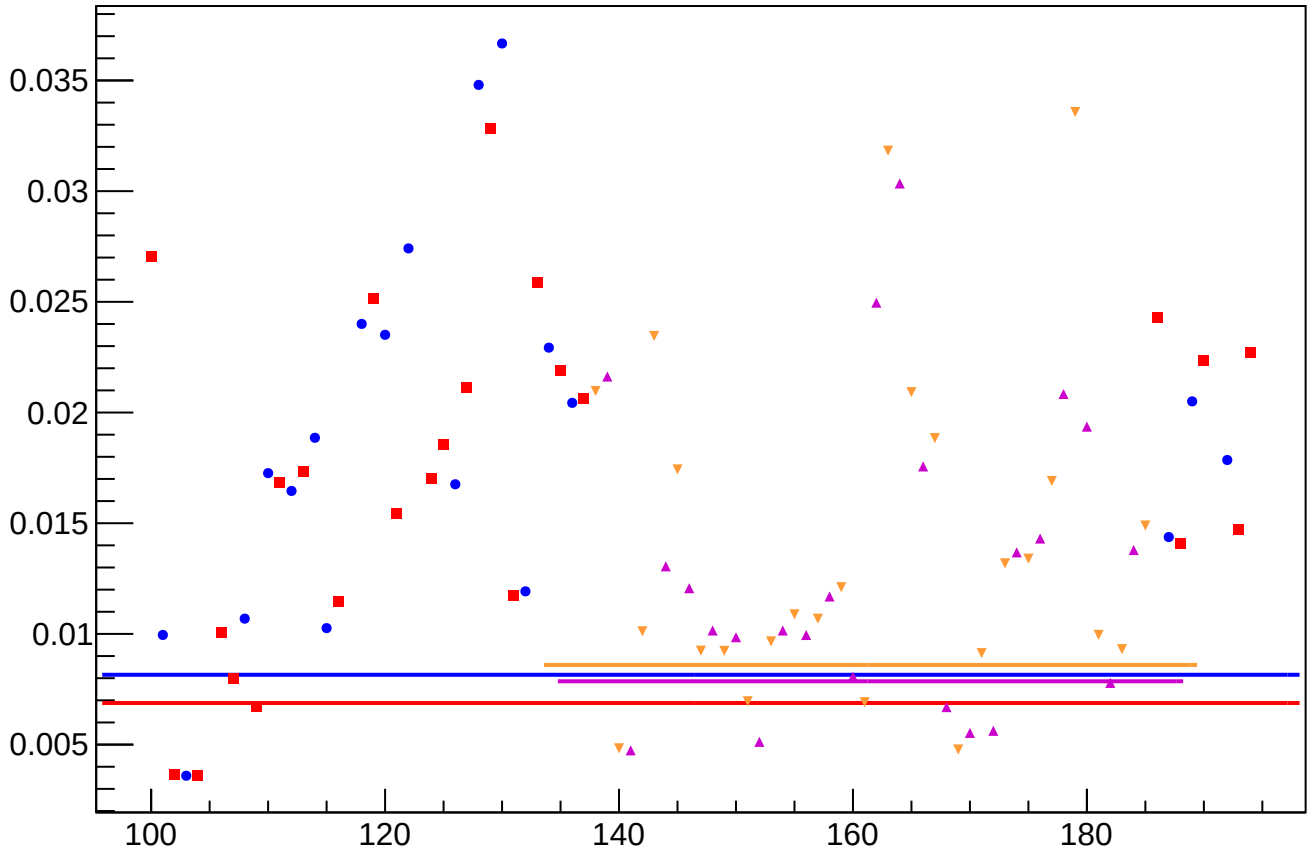
Left: -0.000+/-0.000 χ^2/NDF: 71.4/47

Right: -0.000+/-0.000 χ^2/NDF: 51.2/42

In: -0.000+/-0.000 χ^2/NDF:46.6/41

Out: -0.000+/-0.000 χ^2/NDF:74.6/48

All: -0.000+/-0.000 χ^2/NDF: 122.8/90



Right In: 0.008+/-0.000 χ^2/NDF: 7091011.3/18

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

Right Out: 0.007+/-0.000 χ^2/NDF: 8675384.7/23

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

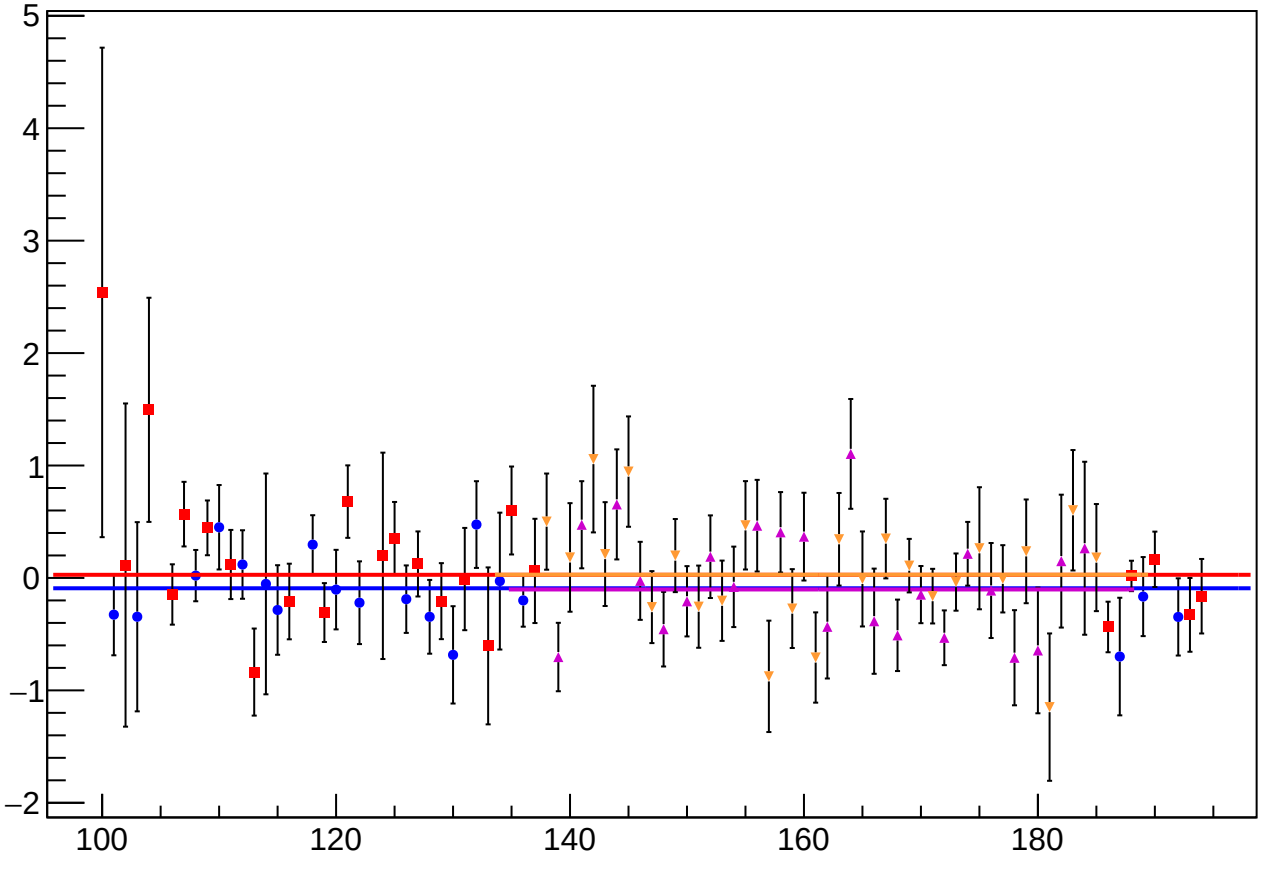
Right: 0.007+/-0.000 χ^2/NDF: 15920387.2/42

In: 0.008+/-0.000 χ^2/NDF:13880445.0/41

Out: 0.008+/-0.000 χ^2/NDF:16793783.8/48

All: 0.008+/-0.000 χ^2/NDF: 30674338.9/90

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.092+/-0.080 χ^2/NDF: 12.8/18

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.028+/-0.063 χ^2/NDF: 32.4/23

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

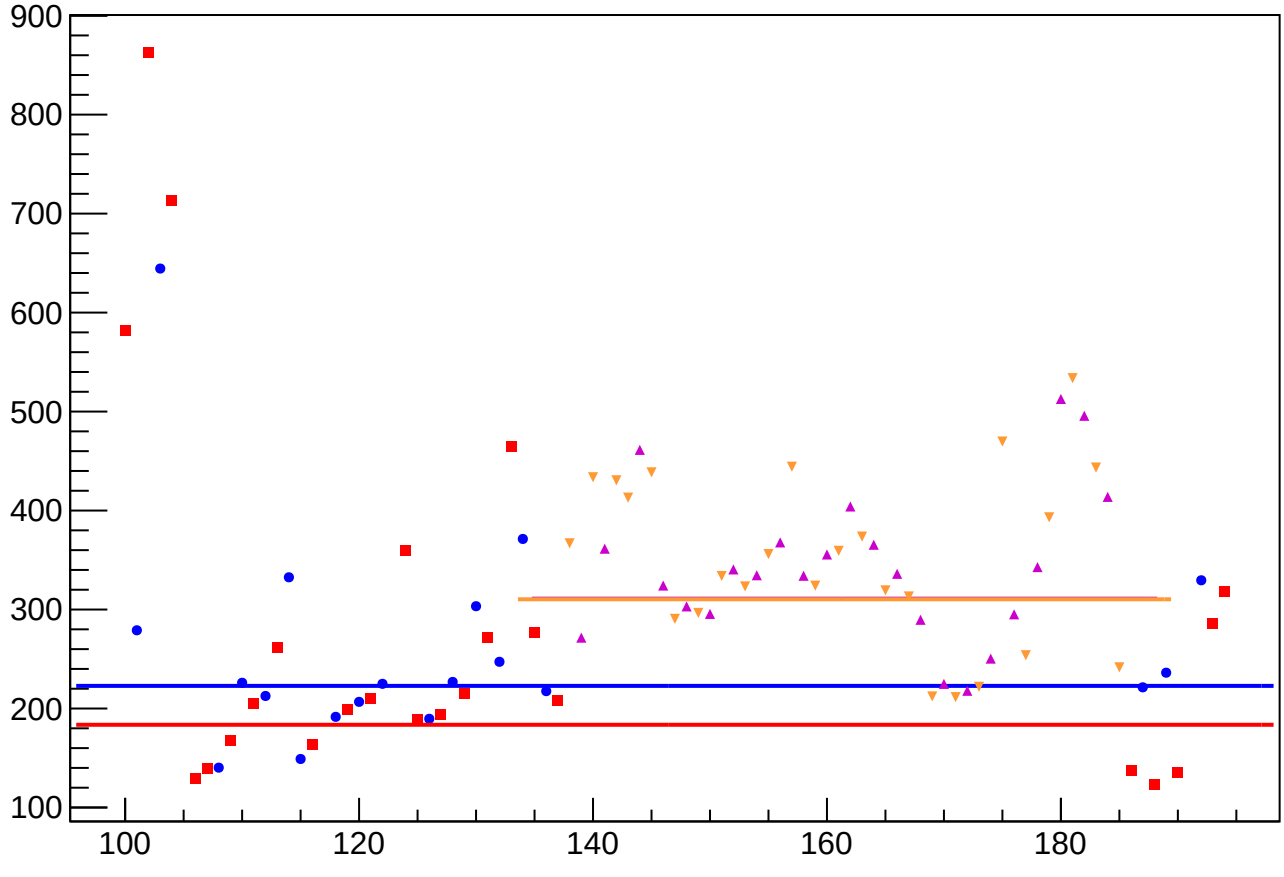
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.018+/-0.049 χ^2/NDF: 46.6/42

In: -0.097+/-0.055 χ^2/NDF:45.1/41

Out: 0.028+/-0.048 χ^2/NDF:57.7/48

All: -0.026+/-0.036 χ^2/NDF: 105.8/90



Right In: 222.874+/-0.056 χ^2/NDF: 1359411.3/18

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 183.575+/-0.044 χ^2/NDF: 3032046.5/23

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

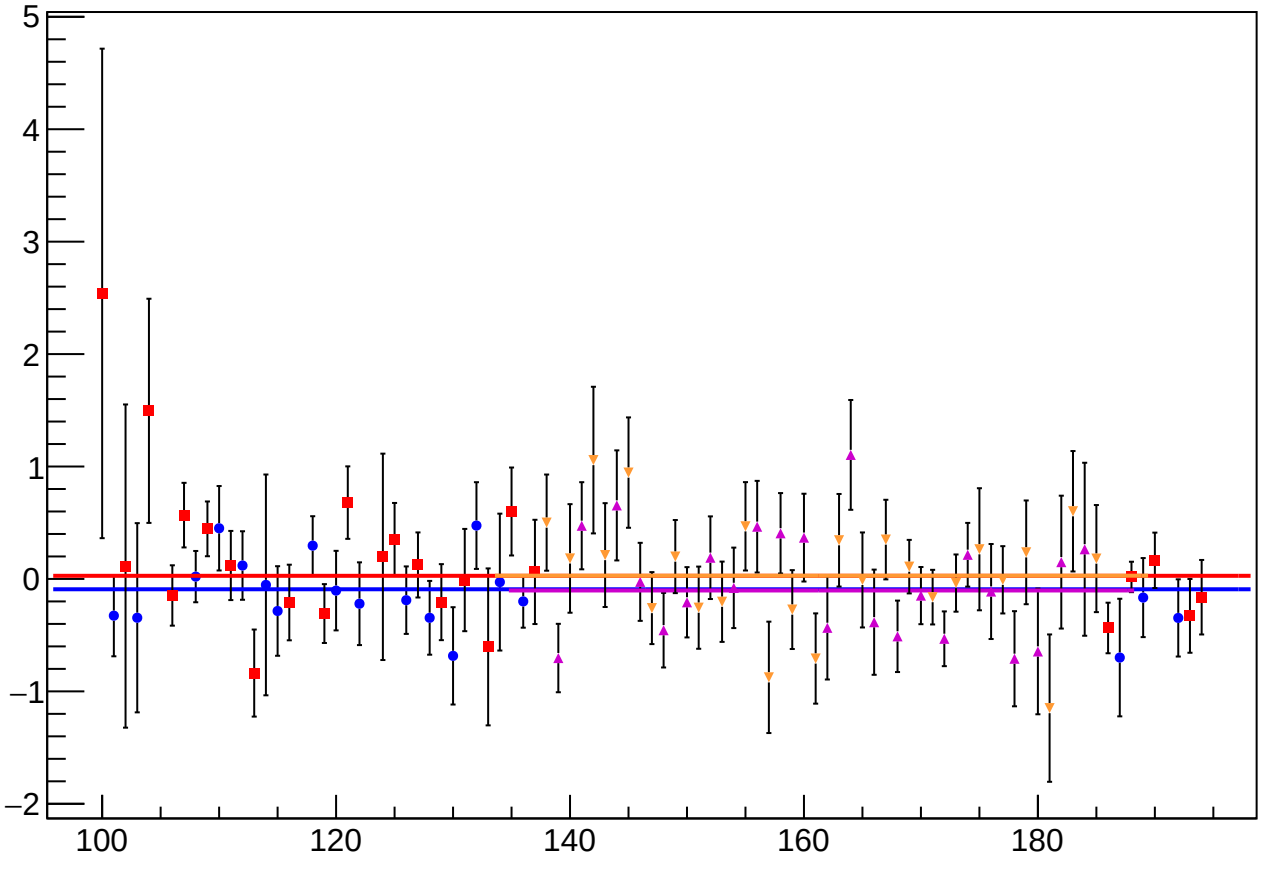
Right: 198.604+/-0.035 χ^2/NDF: 4691167.6/42

In: 268.908+/-0.039 χ^2/NDF:4234062.6/41

Out: 236.085+/-0.034 χ^2/NDF:8773462.5/48

All: 250.257+/-0.026 χ^2/NDF: 13410444.4/90

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.092+/-0.080 χ^2/NDF: 12.8/18

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.028+/-0.063 χ^2/NDF: 32.4/23

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

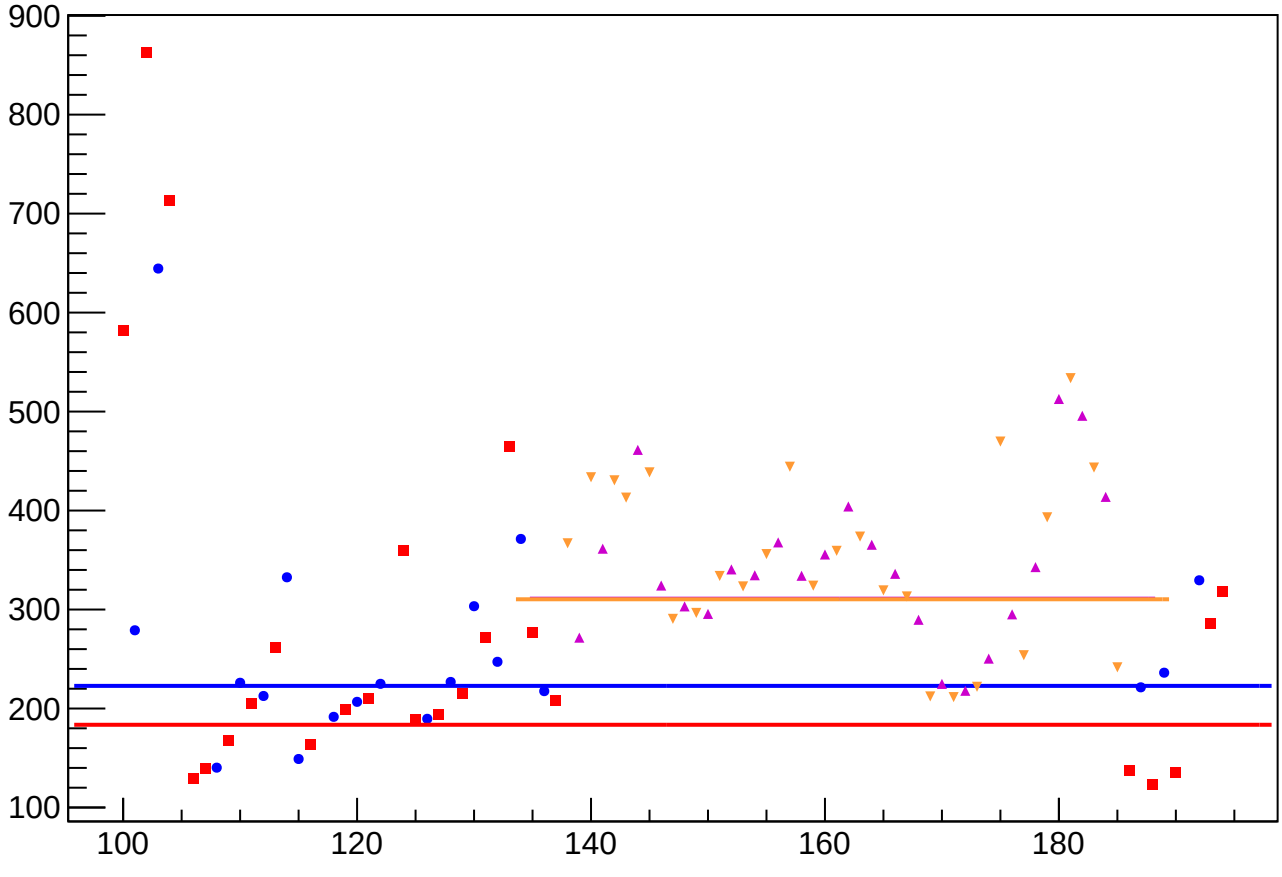
Right: -0.018+/-0.049 χ^2/NDF: 46.6/42

In: -0.097+/-0.055 χ^2/NDF:45.1/41

Out: 0.028+/-0.048 χ^2/NDF:57.7/48

All: -0.026+/-0.036 χ^2/NDF: 105.8/90

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.874+/-0.056 χ^2/NDF: 1359411.3/18

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 183.575+/-0.044 χ^2/NDF: 3032046.5/23

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

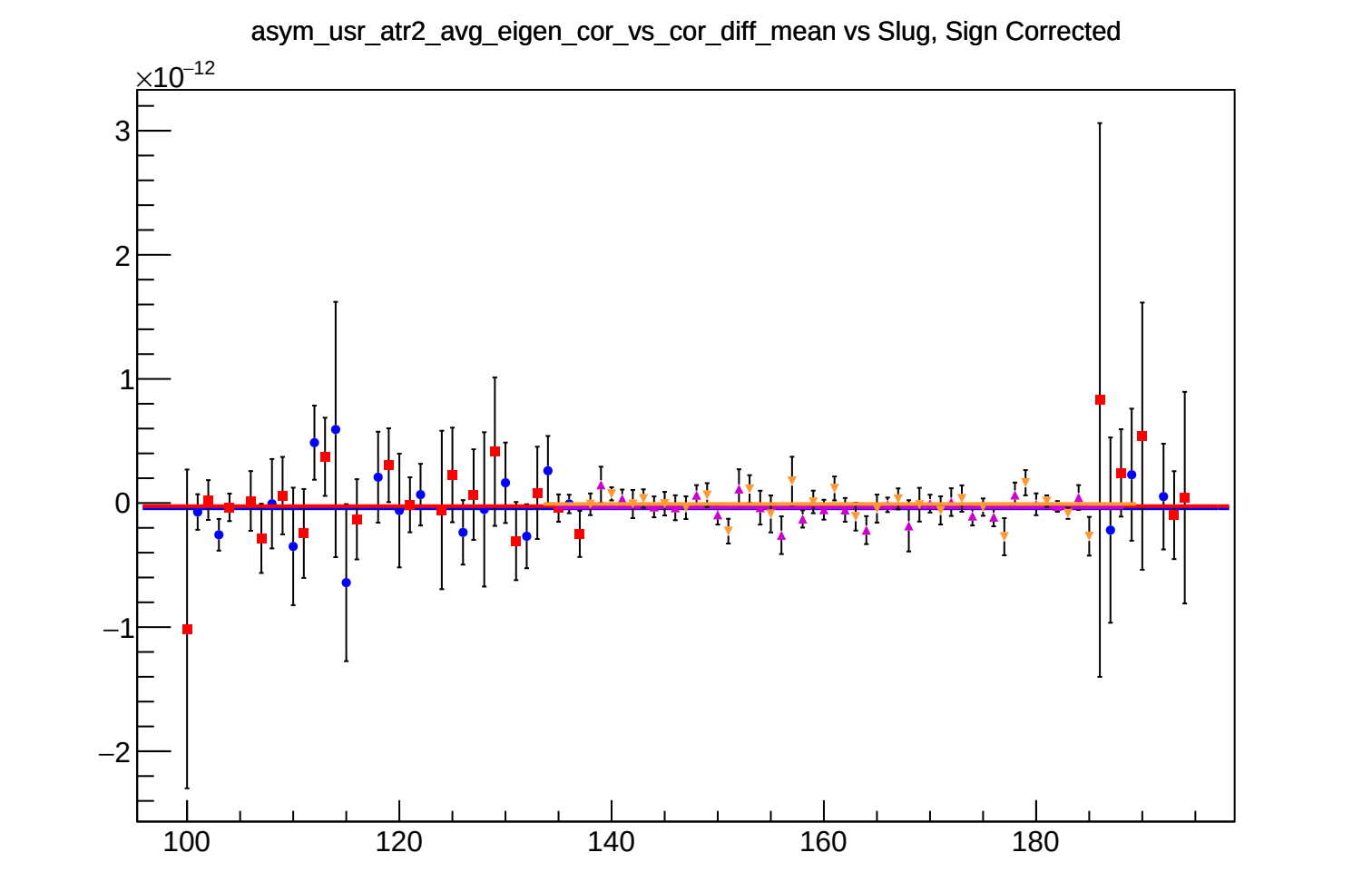
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

Right: 198.604+/-0.035 χ^2/NDF: 4691167.6/42

In: 268.908+/-0.039 χ^2/NDF:4234062.6/41

Out: 236.085+/-0.034 χ^2/NDF:8773462.5/48

All: 250.257+/-0.026 χ^2/NDF: 13410444.4/90



Right In: -0.000+/-0.000 χ^2/NDF: 11.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 9.4/23

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

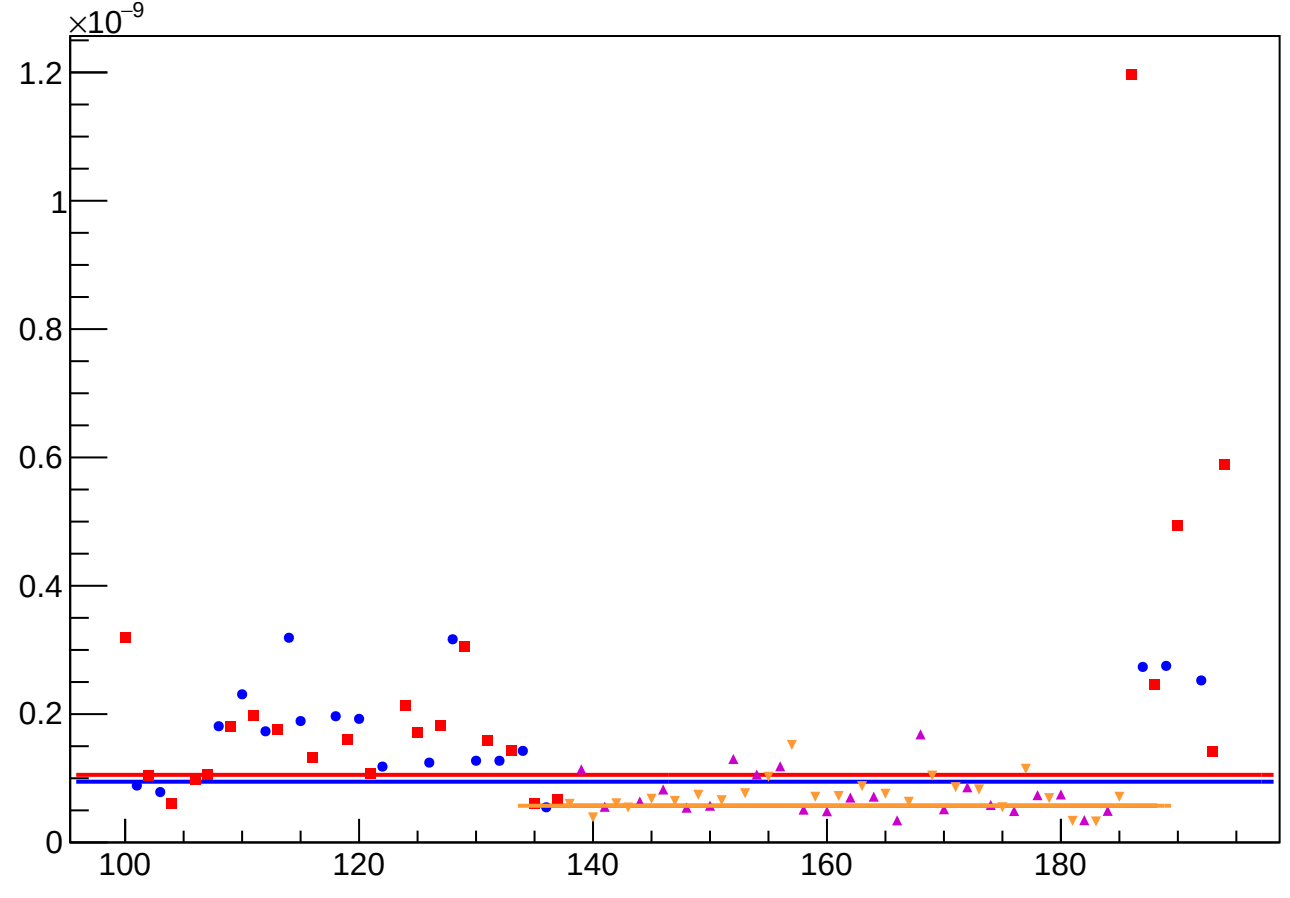
Left: -0.000+/-0.000 χ^2/NDF: 44.0/47

Right: -0.000+/-0.000 χ^2/NDF: 21.3/42

In: -0.000+/-0.000 χ^2/NDF:28.6/41

Out: -0.000+/-0.000 χ^2/NDF:35.3/48

All: -0.000+/-0.000 χ^2/NDF: 65.4/90



Right In: 0.000+/-0.000 χ^2/NDF: 2444511.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3458054.1/23

Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

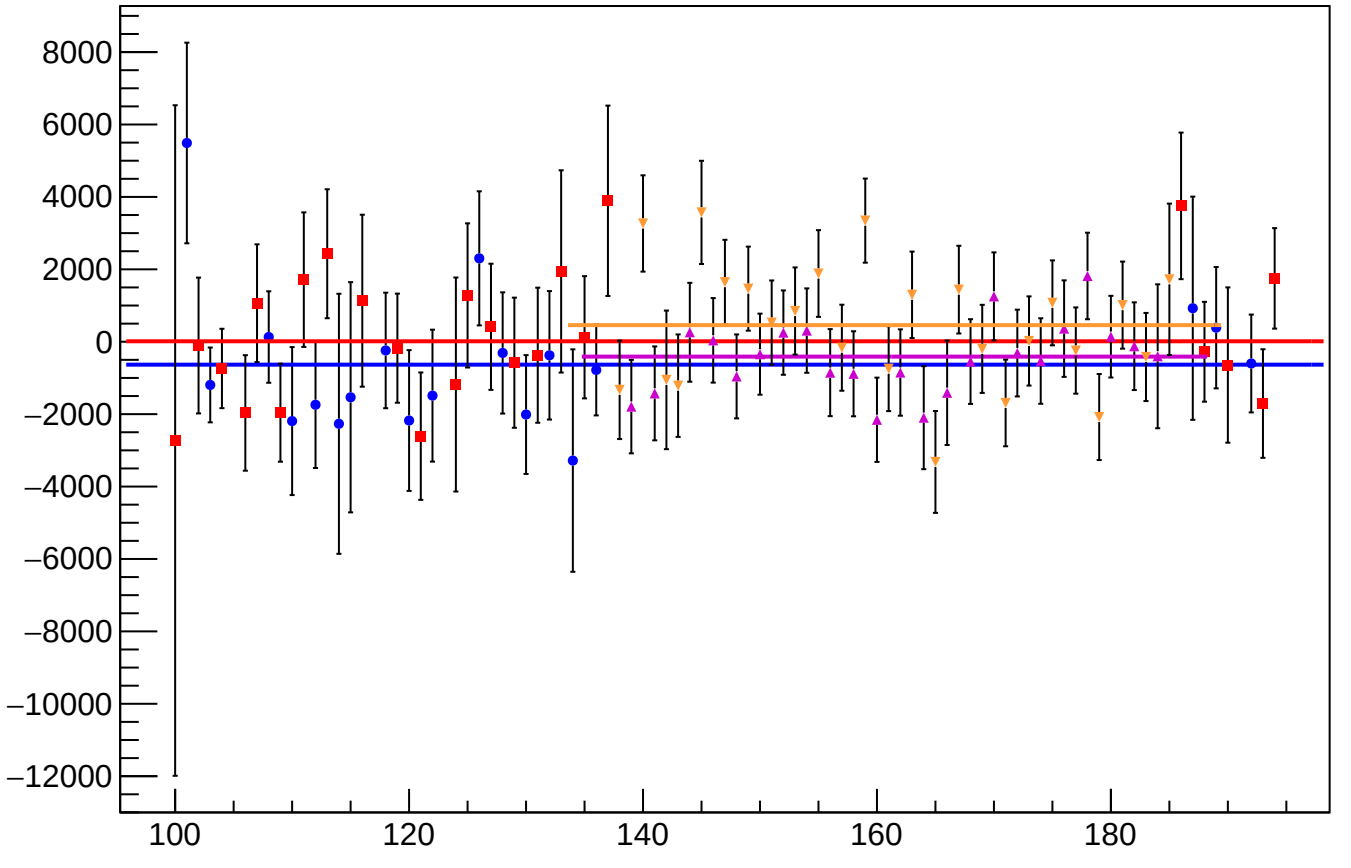
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

Right: 0.000+/-0.000 χ^2/NDF: 5948347.7/42

In: 0.000+/-0.000 χ^2/NDF:6761085.6/41

Out: 0.000+/-0.000 χ^2/NDF:8412034.1/48

All: 0.000+/-0.000 χ^2/NDF: 15174273.7/90



Right In: -633.153+/-392.716 χ^2/NDF: 12.4/18

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: 12.684+/-356.722 χ^2/NDF: 19.6/23

Left In: -411.262+/-257.201 χ^2/NDF:13.7/22

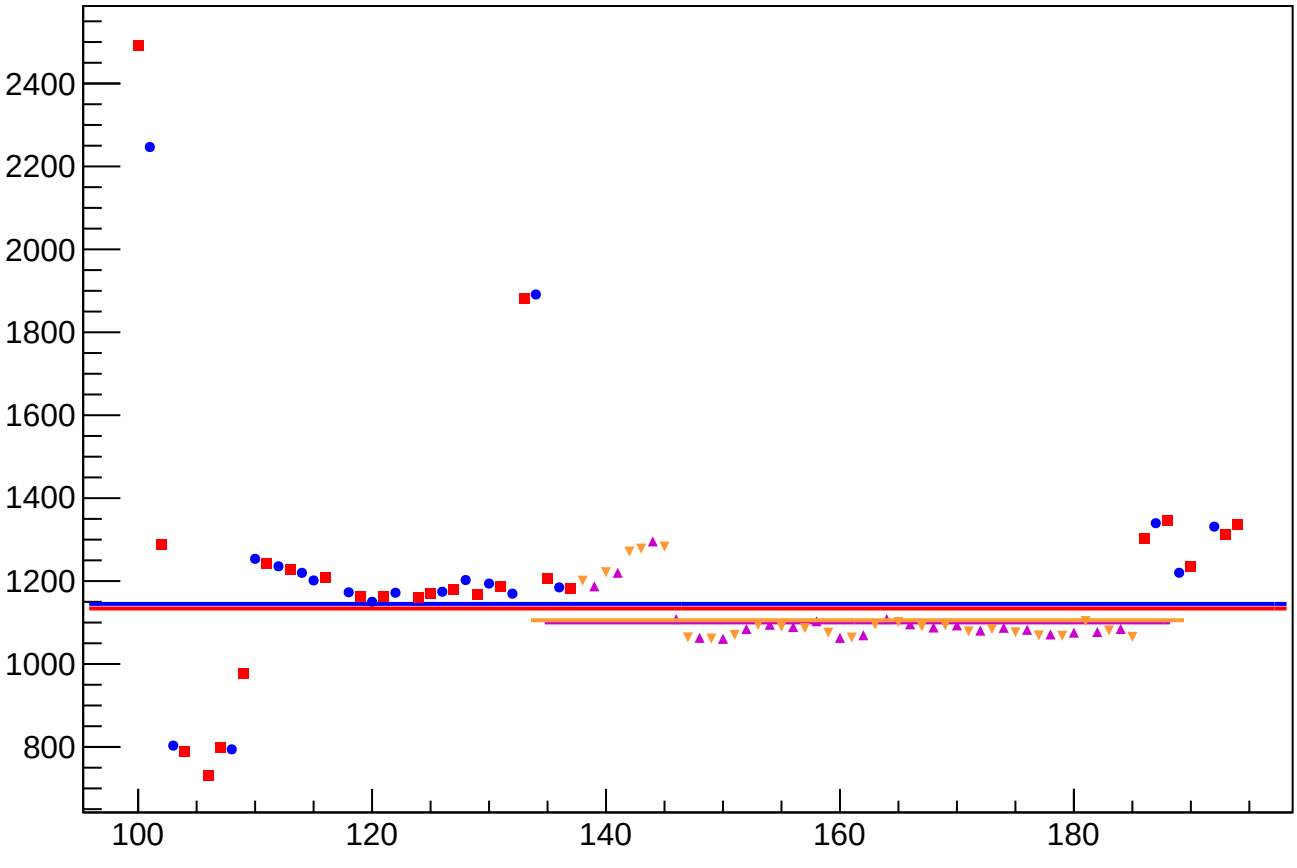
Left: 33.443+/-179.833 χ^2/NDF: 61.6/47

Right: -279.287+/-264.051 χ^2/NDF: 33.5/42

In: -477.869+/-215.163 χ^2/NDF:26.3/41

Out: 310.636+/-205.571 χ^2/NDF:62.8/48

All: -65.649+/-148.636 χ^2/NDF: 96.1/90



Right In: 1144.968+/-0.278 χ^2/NDF: 878055.8/18

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1133.870+/-0.251 χ^2/NDF: 828577.5/23

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

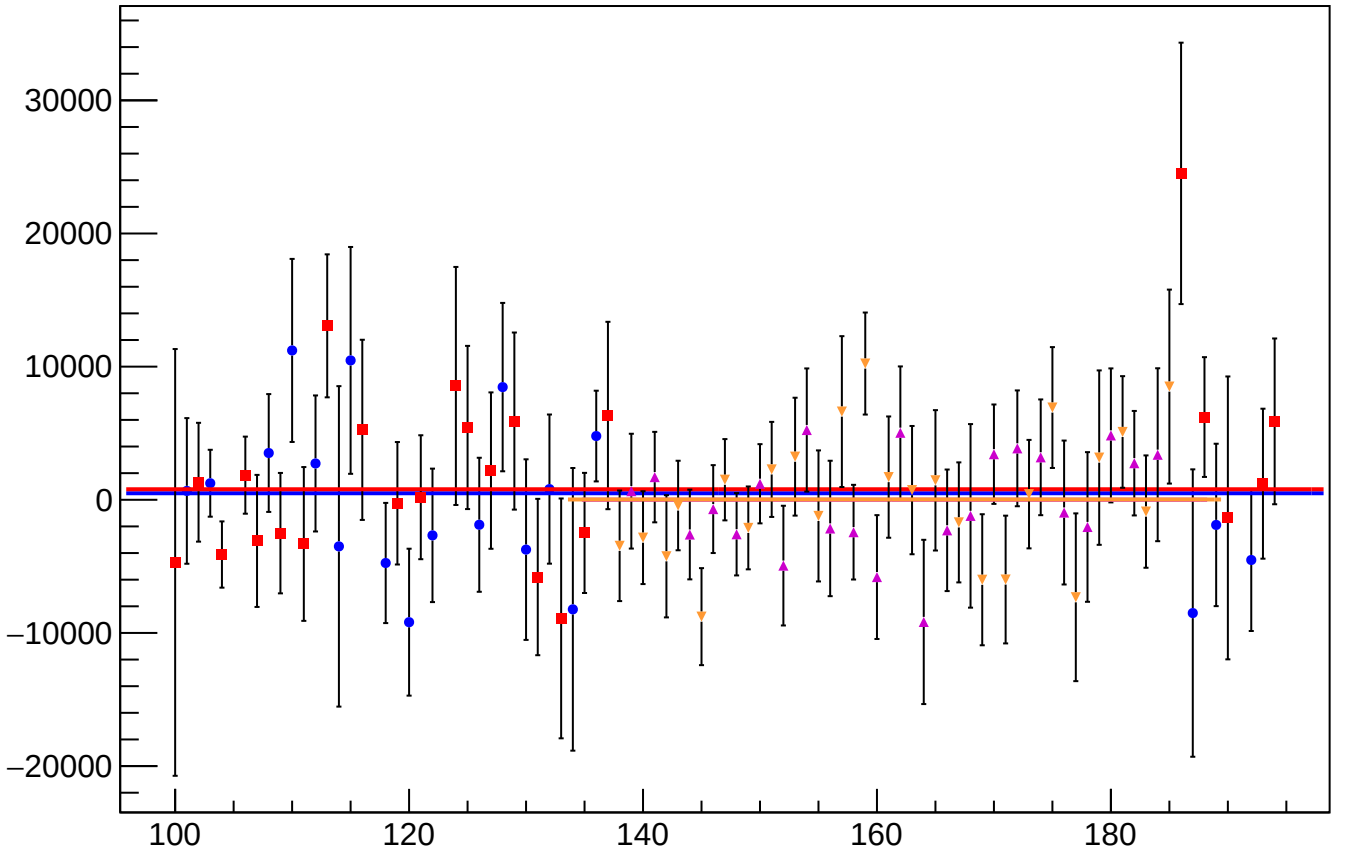
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1138.853+/-0.186 χ^2/NDF: 1707513.3/42

In: 1113.743+/-0.152 χ^2/NDF:976363.1/41

Out: 1115.033+/-0.145 χ^2/NDF:959017.8/48

All: 1114.419+/-0.105 χ^2/NDF: 1935418.5/90



Right In: 491.282+/-1171.481 χ^2/NDF: 15.7/18

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: 791.065+/-1035.868 χ^2/NDF: 25.1/23

Left In: 6.317+/-875.256 χ^2/NDF:14.0/22

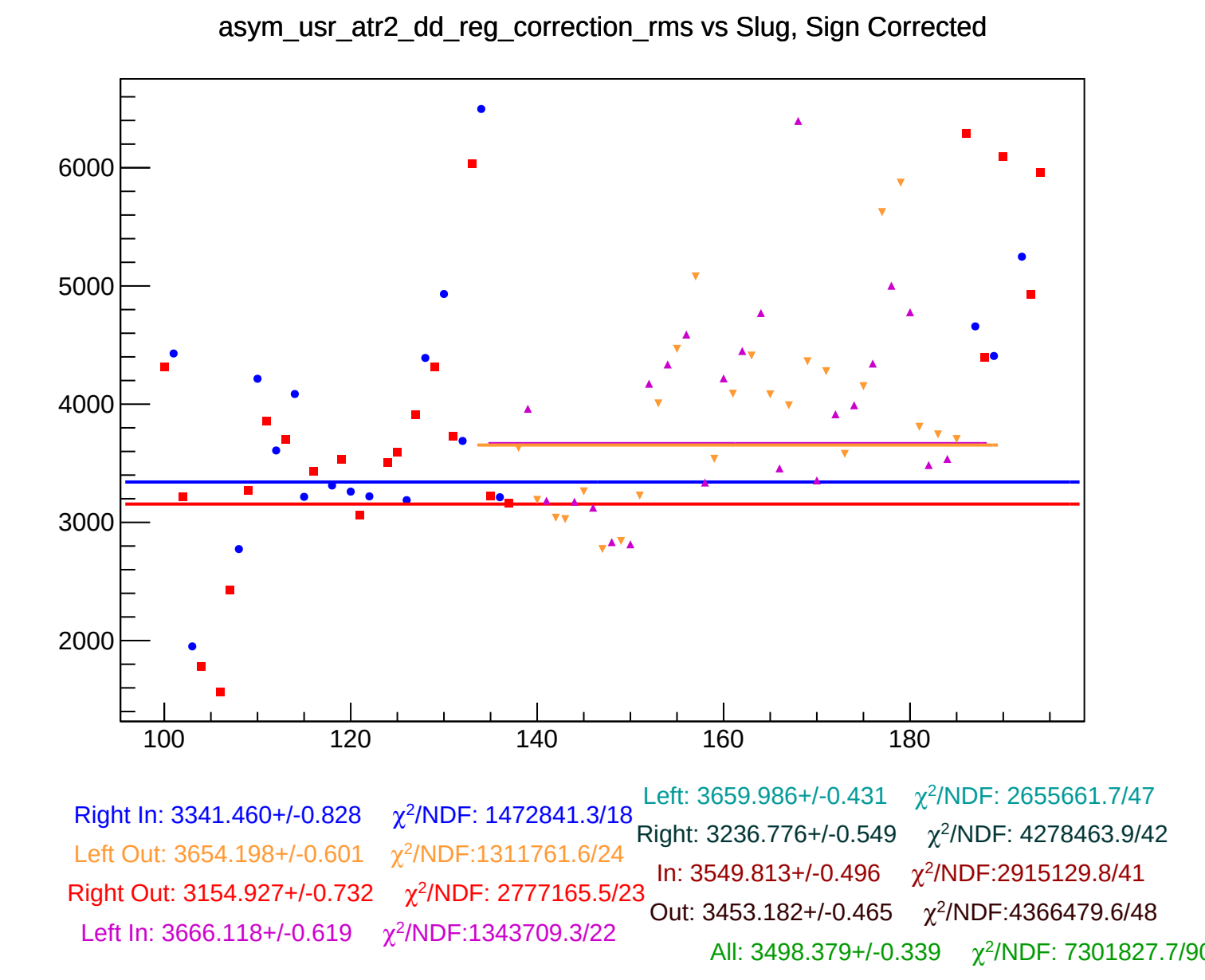
Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

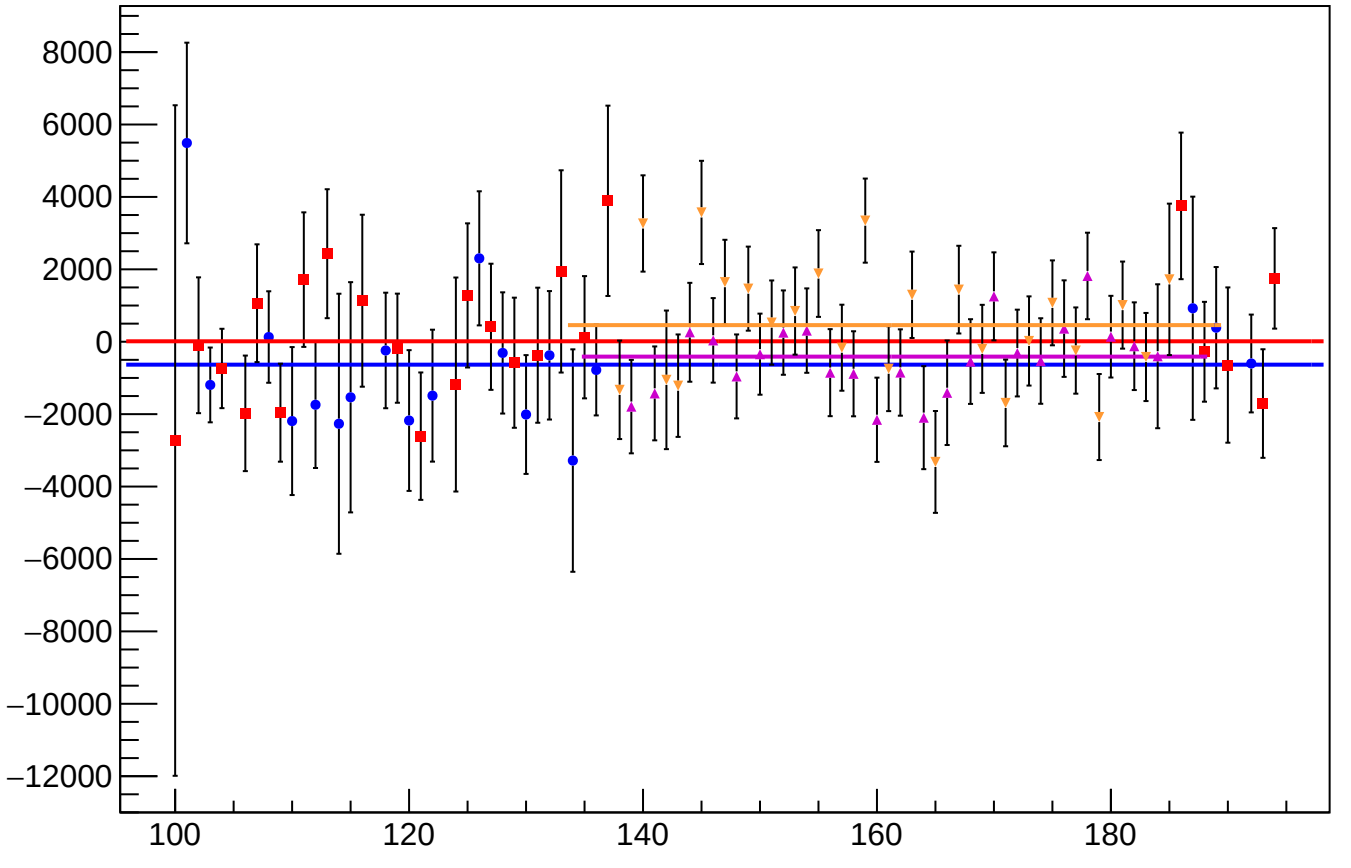
Right: 659.522+/-776.007 χ^2/NDF: 40.8/42

In: 180.050+/-701.168 χ^2/NDF:29.8/41

Out: 332.457+/-657.281 χ^2/NDF:53.9/48

All: 261.172+/-479.533 χ^2/NDF: 83.7/90


asym_usr_atr2_dd_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
120
140
160
180
Right In: 3341.460+/-0.828 χ²/NDF: 1472841.3/18
Left Out: 3654.198+/-0.601 χ²/NDF:1311761.6/24
Right Out: 3154.927+/-0.732 χ²/NDF: 2777165.5/23
Left In: 3666.118+/-0.619 χ²/NDF:1343709.3/22
Left: 3659.986+/-0.431 χ²/NDF: 2655661.7/47
Right: 3236.776+/-0.549 χ²/NDF: 4278463.9/42
In: 3549.813+/-0.496 χ²/NDF:2915129.8/41
Out: 3453.182+/-0.465 χ²/NDF:4366479.6/48
All: 3498.379+/-0.339 χ²/NDF: 7301827.7/90



Right In: -633.122+/-392.716 χ^2/NDF: 12.4/18

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 12.465+/-356.725 χ^2/NDF: 19.7/23

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

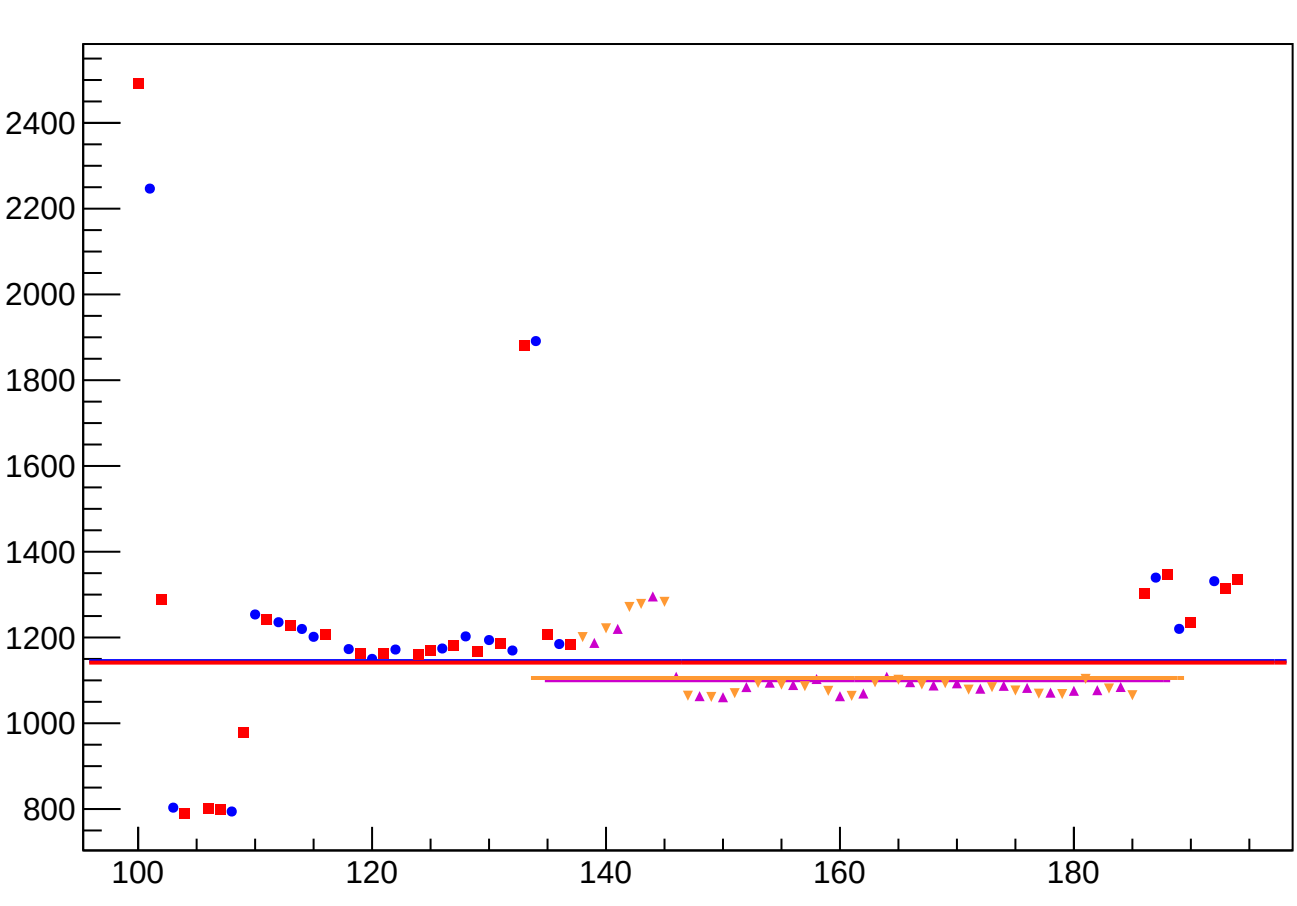
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -279.396+/-264.052 χ^2/NDF: 33.5/42

In: -477.791+/-215.163 χ^2/NDF:26.3/41

Out: 310.606+/-205.571 χ^2/NDF:62.8/48

All: -65.629+/-148.636 χ^2/NDF: 96.1/90



Right In: 1144.968+/-0.278 χ^2/NDF: 878052.0/18

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1141.425+/-0.252 χ^2/NDF: 760524.9/23

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

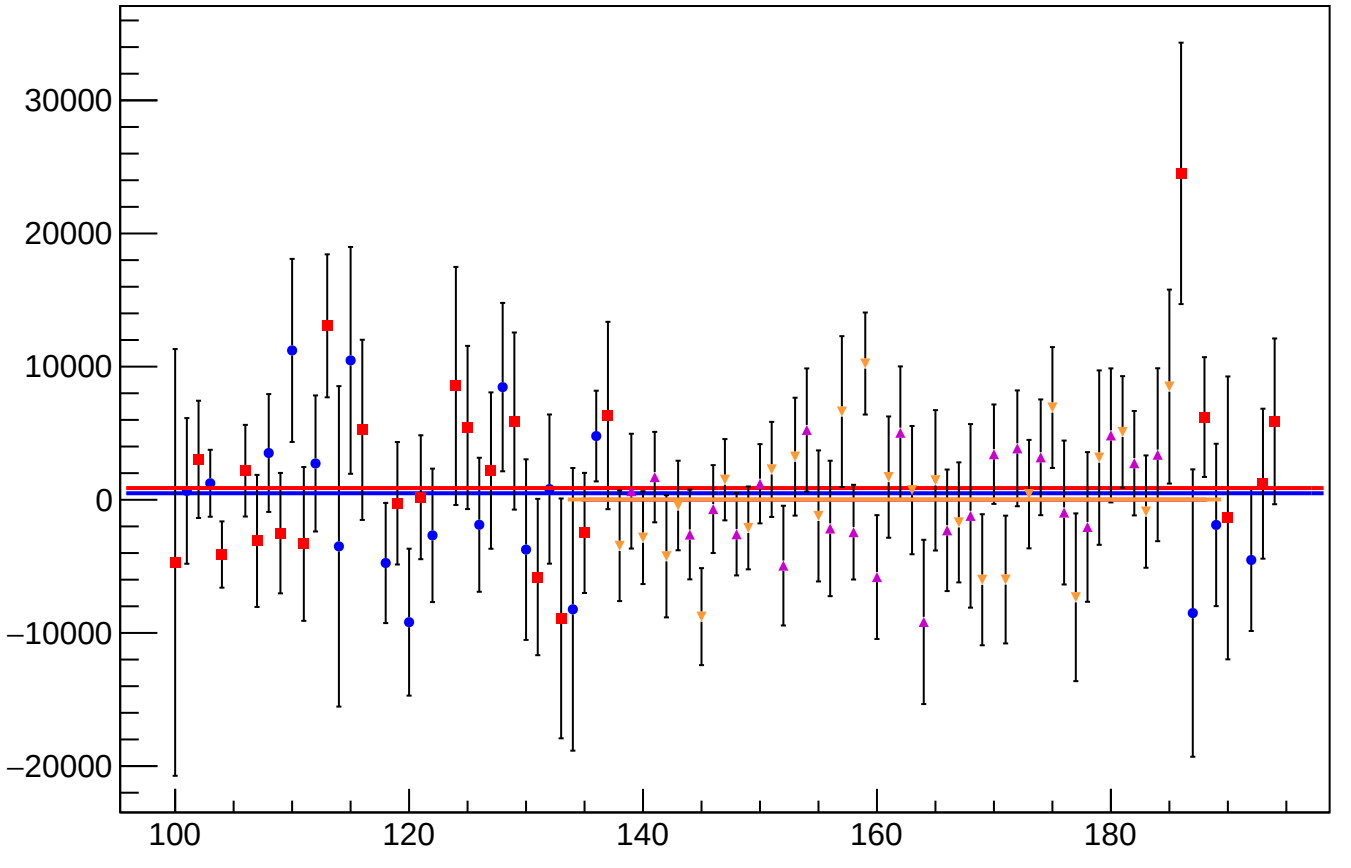
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1143.024+/-0.187 χ^2/NDF: 1638666.1/42

In: 1113.743+/-0.152 χ^2/NDF:976359.7/41

Out: 1117.486+/-0.145 χ^2/NDF:896012.3/48

All: 1115.701+/-0.105 χ^2/NDF: 1872688.6/90



Right In: 490.788+/-1171.524 χ^2/NDF: 15.7/18

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 880.963+/-1055.081 χ^2/NDF: 25.4/23

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

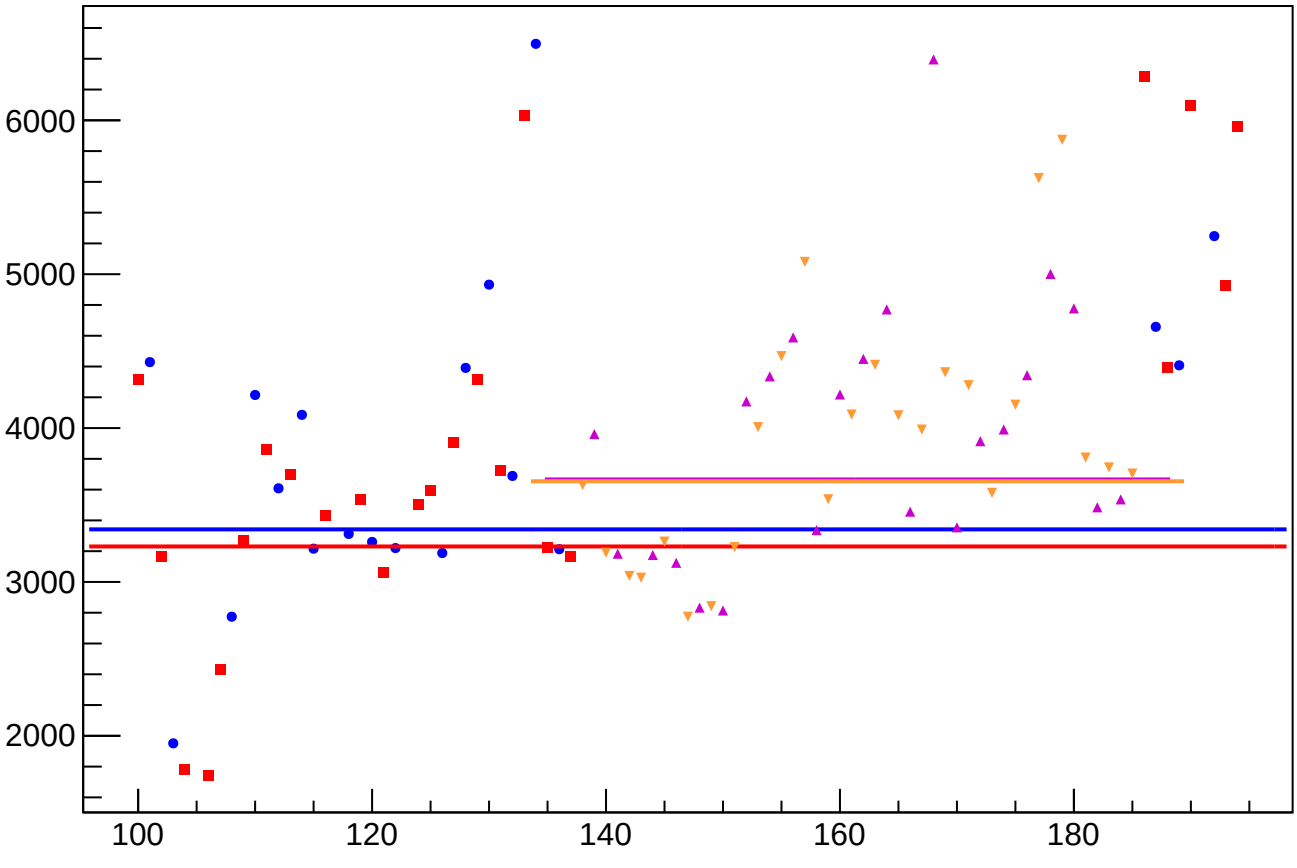
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

Right: 706.225+/-783.999 χ^2/NDF: 41.1/42

In: 179.898+/-701.176 χ^2/NDF:29.8/41

Out: 361.095+/-662.109 χ^2/NDF:54.2/48

All: 275.685+/-481.401 χ^2/NDF: 84.1/90



Right In: 3341.638+/-0.828 χ^2/NDF: 1472318.4/18

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3230.613+/-0.746 χ^2/NDF: 2499842.2/23

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

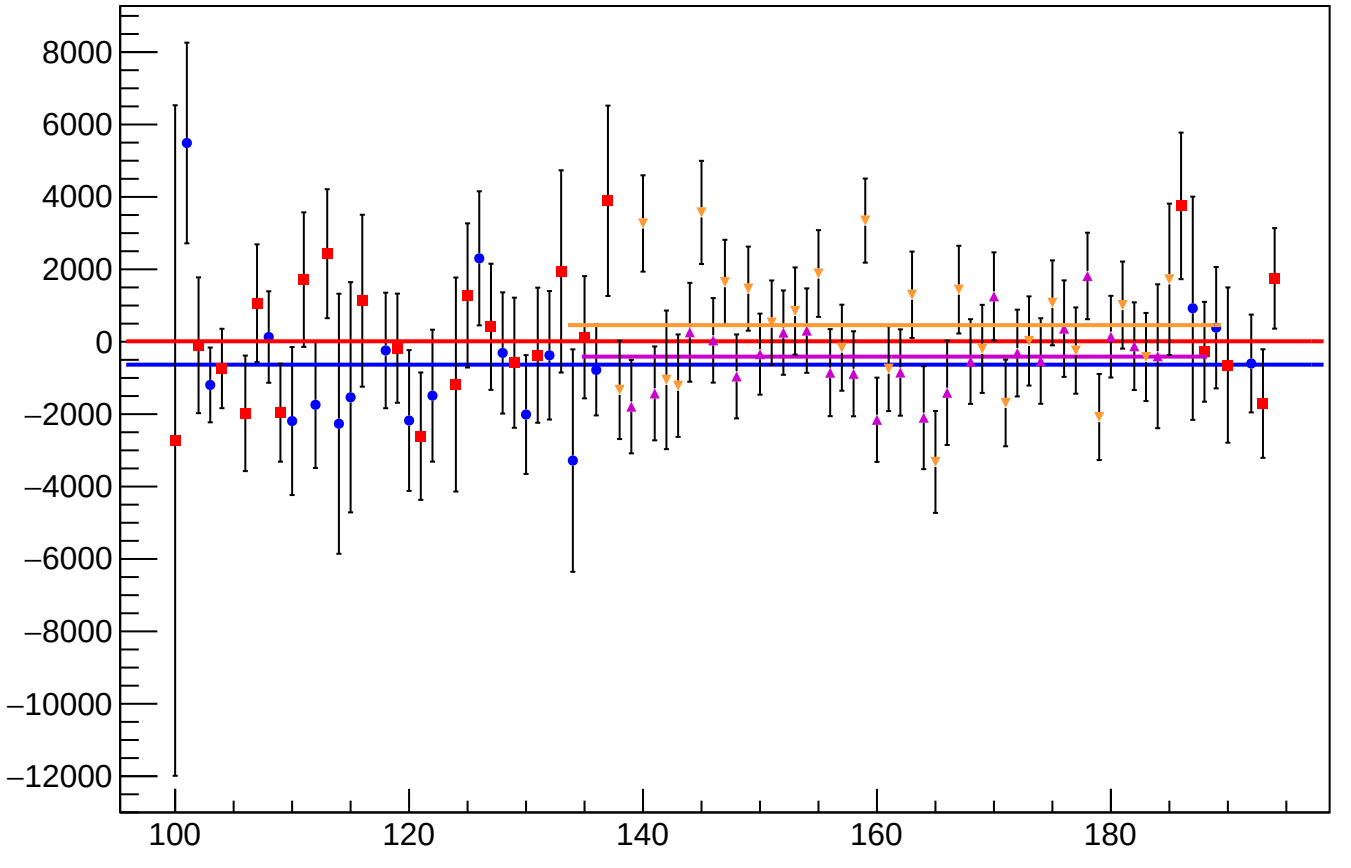
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3280.335+/-0.554 χ^2/NDF: 3982078.5/42

In: 3549.880+/-0.496 χ^2/NDF:2914494.5/41

Out: 3487.384+/-0.468 χ^2/NDF:4007019.0/48

All: 3516.843+/-0.340 χ^2/NDF: 6929912.4/90



Right In: -633.122+/-392.716 χ^2/NDF: 12.4/18

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 12.465+/-356.725 χ^2/NDF: 19.7/23

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

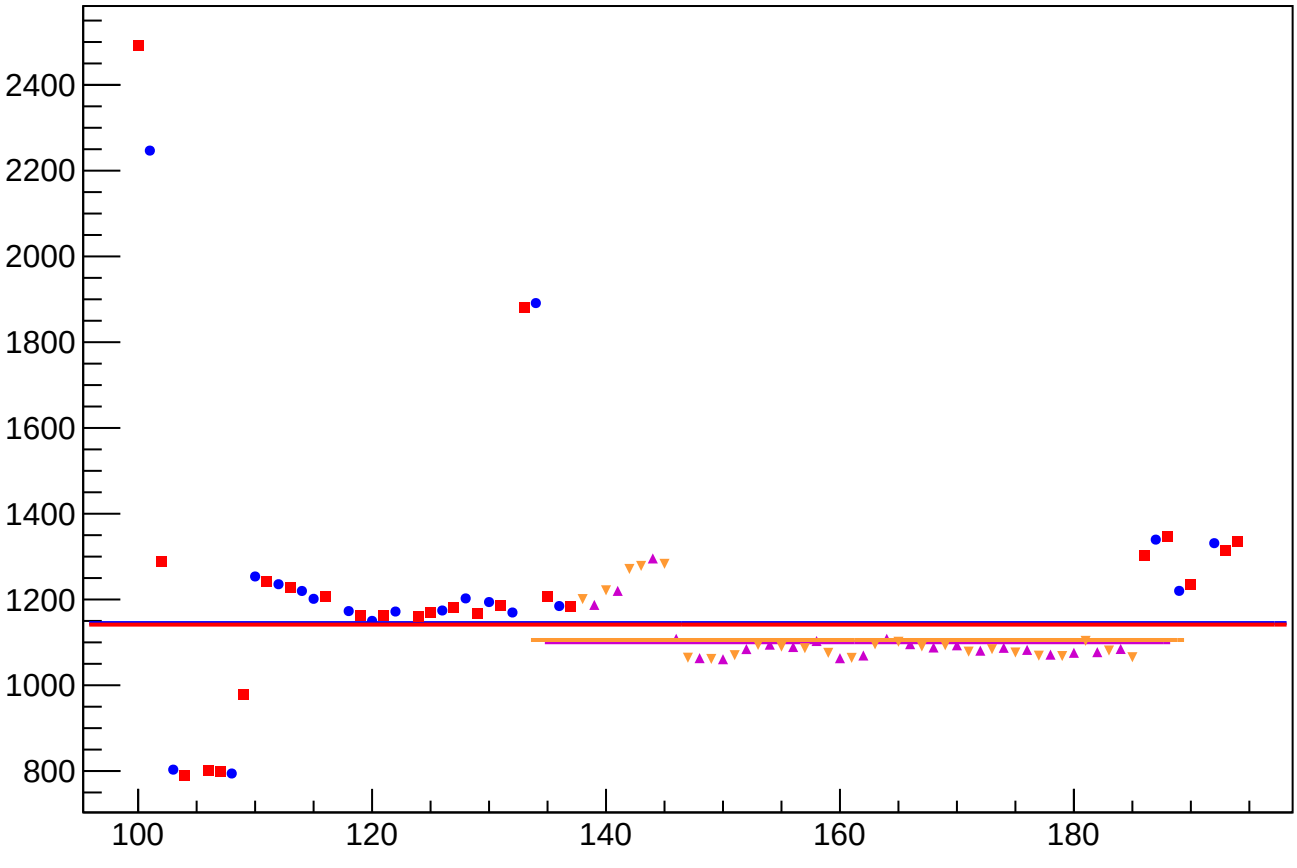
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -279.396+/-264.052 χ^2/NDF: 33.5/42

In: -477.791+/-215.163 χ^2/NDF:26.3/41

Out: 310.606+/-205.571 χ^2/NDF:62.8/48

All: -65.629+/-148.636 χ^2/NDF: 96.1/90



Right In: 1144.968+/-0.278 χ^2/NDF: 878052.0/18

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1141.425+/-0.252 χ^2/NDF: 760524.9/23

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

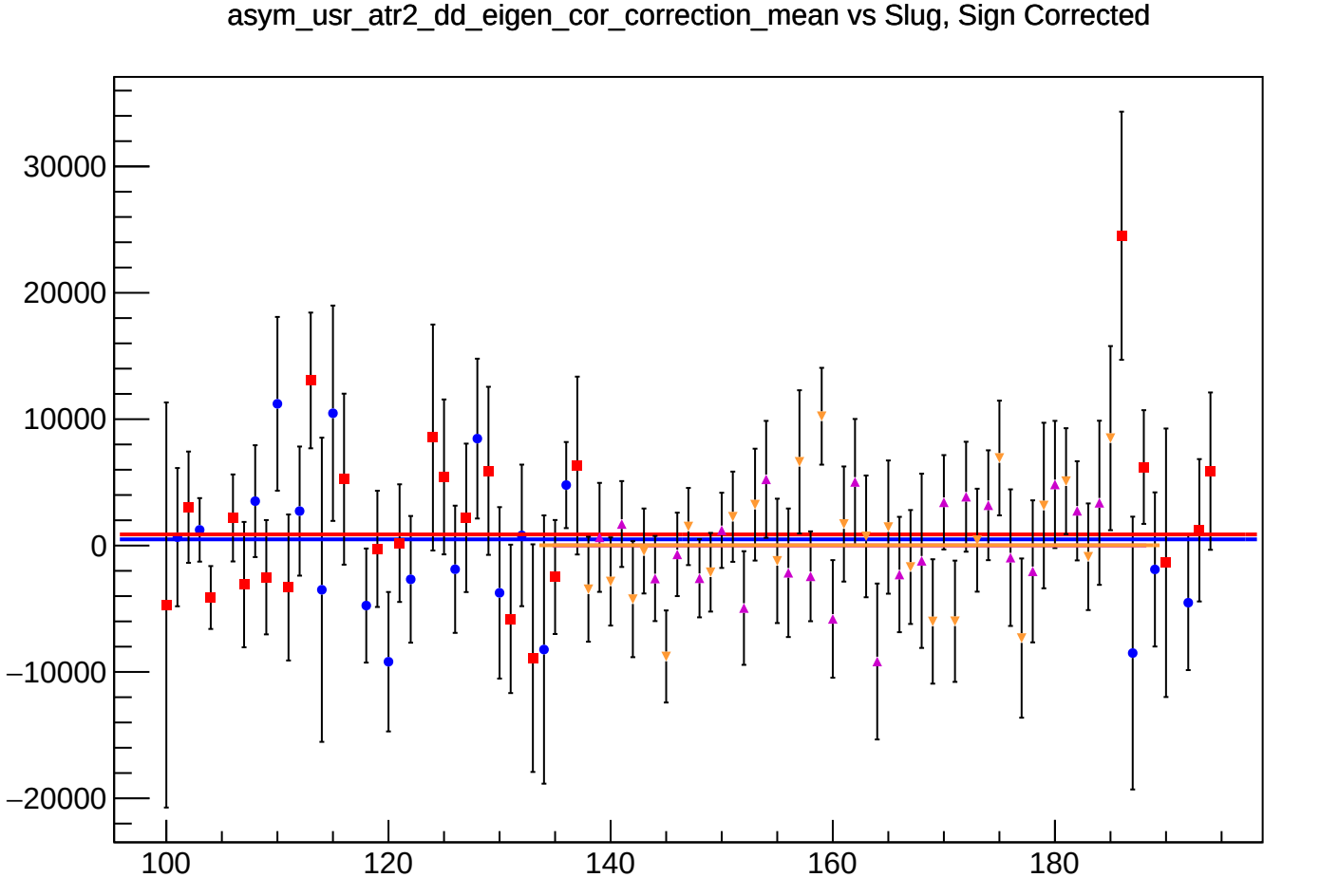
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1143.024+/-0.187 χ^2/NDF: 1638666.1/42

In: 1113.743+/-0.152 χ^2/NDF:976359.7/41

Out: 1117.486+/-0.145 χ^2/NDF:896012.3/48

All: 1115.701+/-0.105 χ^2/NDF: 1872688.6/90



Right In: 490.788+/-1171.524 χ^2/NDF: 15.7/18

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 880.963+/-1055.081 χ^2/NDF: 25.4/23

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

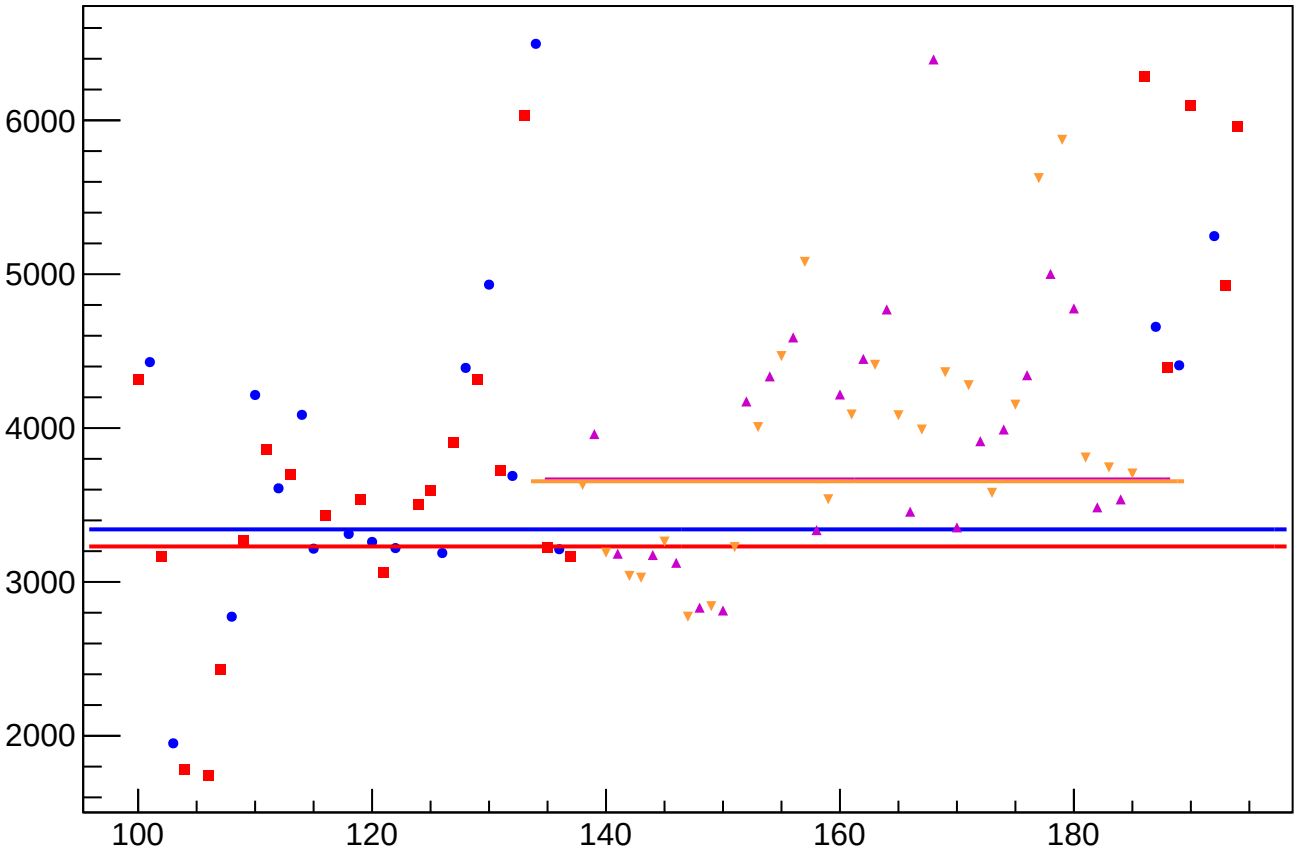
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

Right: 706.225+/-783.999 χ^2/NDF: 41.1/42

In: 179.898+/-701.176 χ^2/NDF:29.8/41

Out: 361.095+/-662.109 χ^2/NDF:54.2/48

All: 275.685+/-481.401 χ^2/NDF: 84.1/90



Right In: 3341.638+/-0.828 χ^2/NDF: 1472318.4/18

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3230.613+/-0.746 χ^2/NDF: 2499842.2/23

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

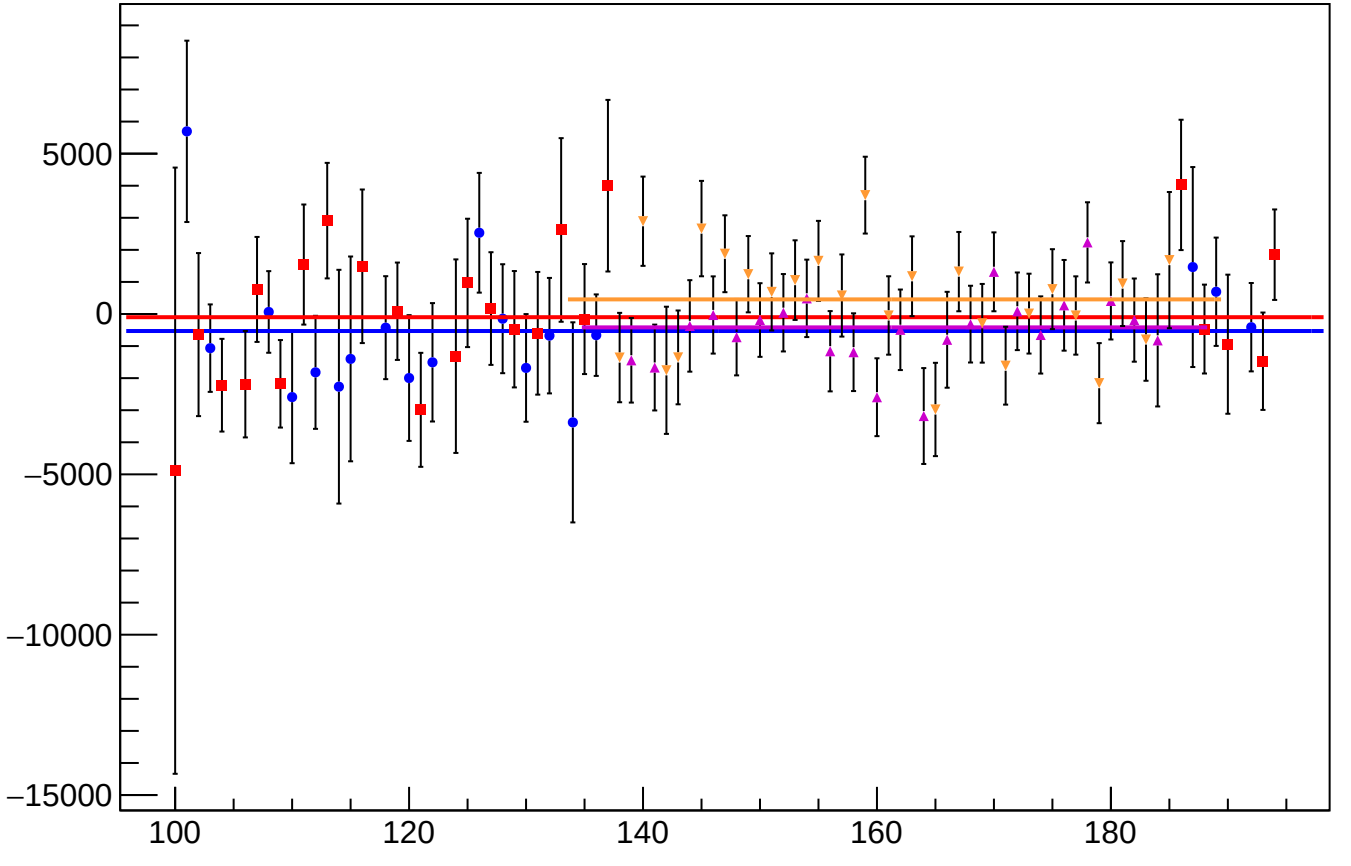
Right: 3280.335+/-0.554 χ^2/NDF: 3982078.5/42

In: 3549.880+/-0.496 χ^2/NDF:2914494.5/41

Out: 3487.384+/-0.468 χ^2/NDF:4007019.0/48

All: 3516.843+/-0.340 χ^2/NDF: 6929912.4/90

dit_asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -530.549+/-409.906 χ^2/NDF: 12.9/18

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: -99.550+/-372.397 χ^2/NDF: 24.2/23

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

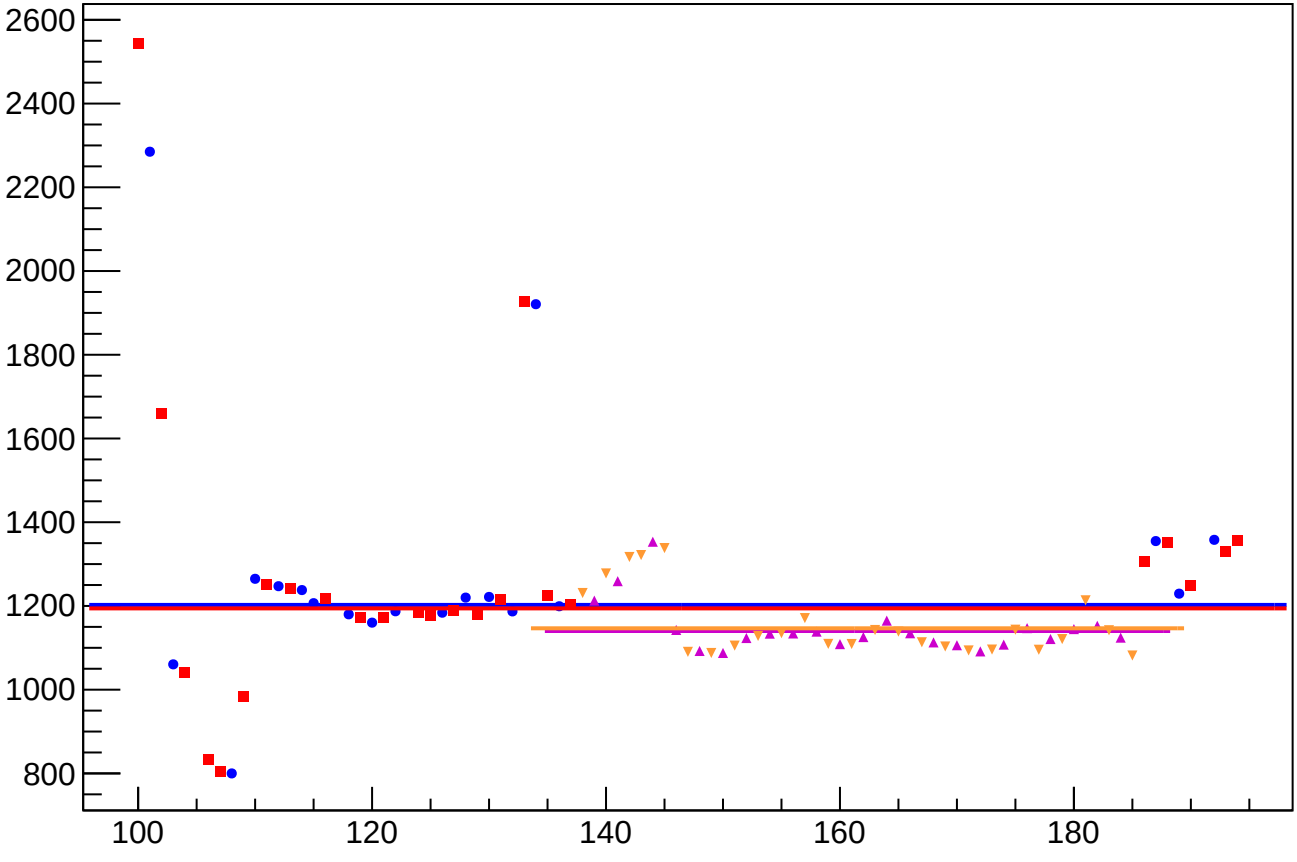
Right: -294.432+/-275.633 χ^2/NDF: 37.7/42

In: -450.893+/-223.479 χ^2/NDF:30.3/41

Out: 272.800+/-213.736 χ^2/NDF:61.8/48

All: -72.927+/-154.463 χ^2/NDF: 97.6/90

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1202.477+/-0.290 χ^2/NDF: 657233.4/18

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1194.170+/-0.263 χ^2/NDF: 599787.8/23

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

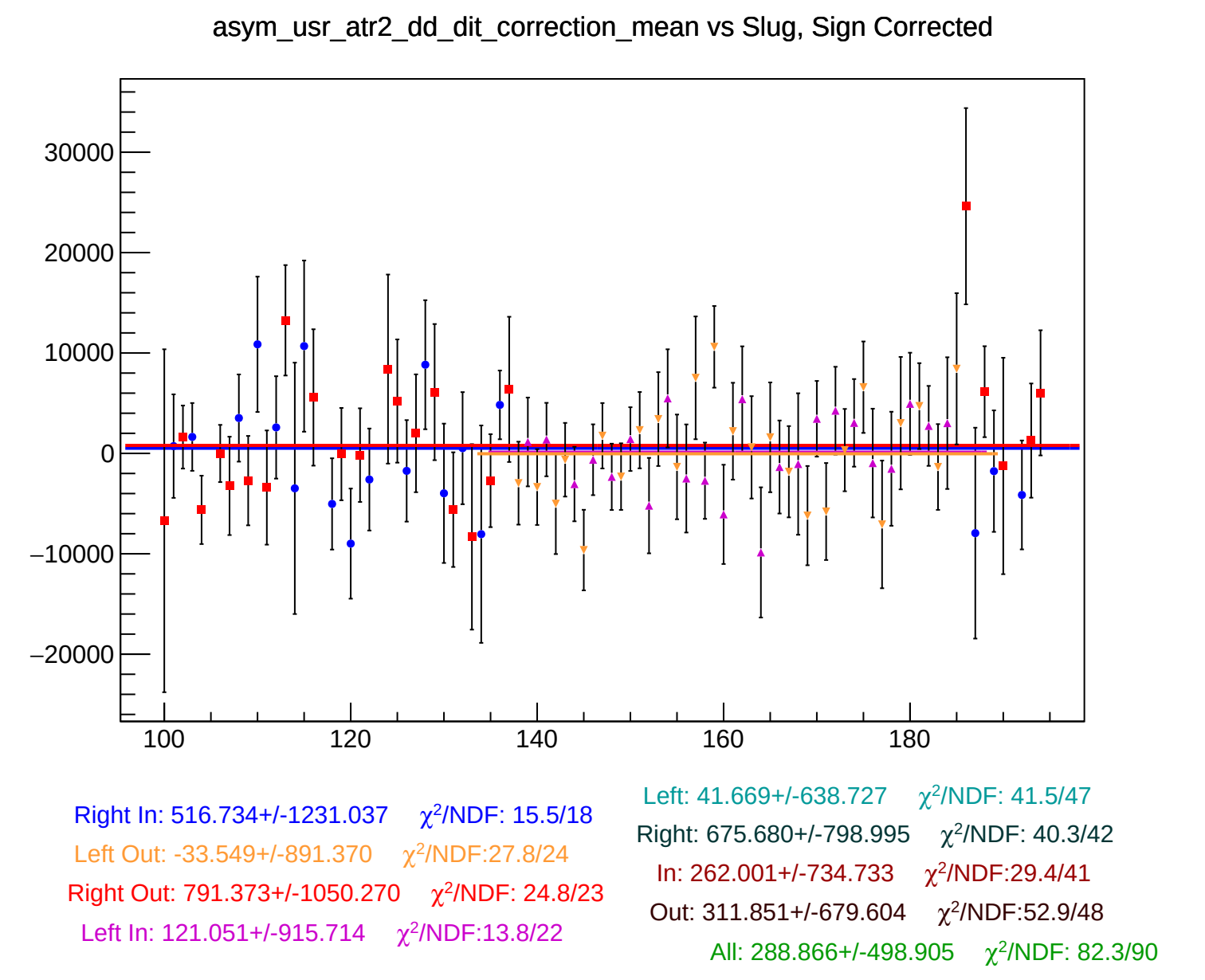
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

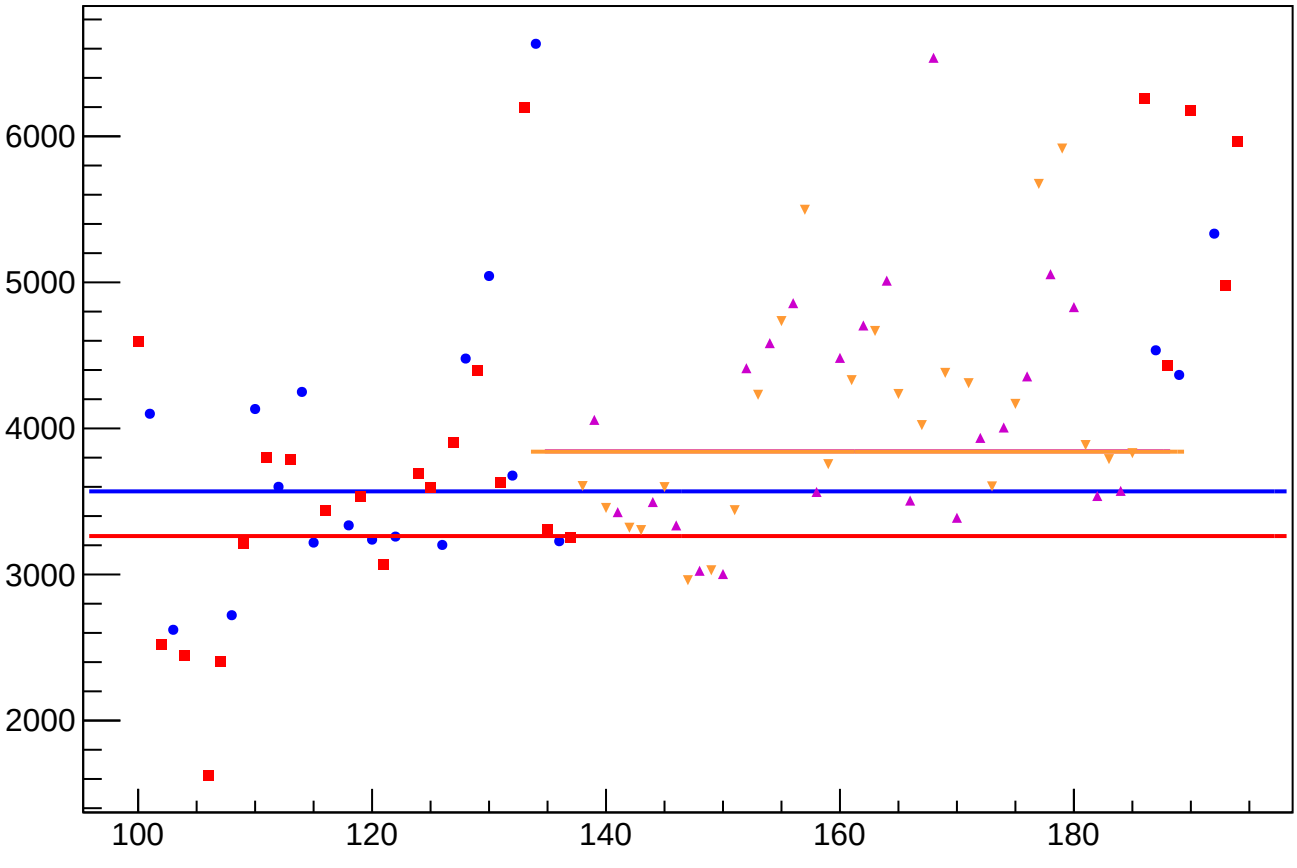
Right: 1197.925+/-0.195 χ^2/NDF: 1257471.3/42

In: 1158.688+/-0.158 χ^2/NDF:774447.3/41

Out: 1162.286+/-0.151 χ^2/NDF:762685.8/48

All: 1160.568+/-0.109 χ^2/NDF: 1537403.8/90


asym_usr_atr2_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
Right In: 516.734+/-1231.037 χ²/NDF: 15.5/18
Left Out: -33.549+/-891.370 χ²/NDF:27.8/24
Right Out: 791.373+/-1050.270 χ²/NDF: 24.8/23
Left In: 121.051+/-915.714 χ²/NDF:13.8/22
Left: 41.669+/-638.727 χ²/NDF: 41.5/47
Right: 675.680+/-798.995 χ²/NDF: 40.3/42
In: 262.001+/-734.733 χ²/NDF:29.4/41
Out: 311.851+/-679.604 χ²/NDF:52.9/48
All: 288.866+/-498.905 χ²/NDF: 82.3/90



Right In: 3569.093+/-0.870 χ^2/NDF: 883344.6/18

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3263.111+/-0.743 χ^2/NDF: 2334024.4/23

Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

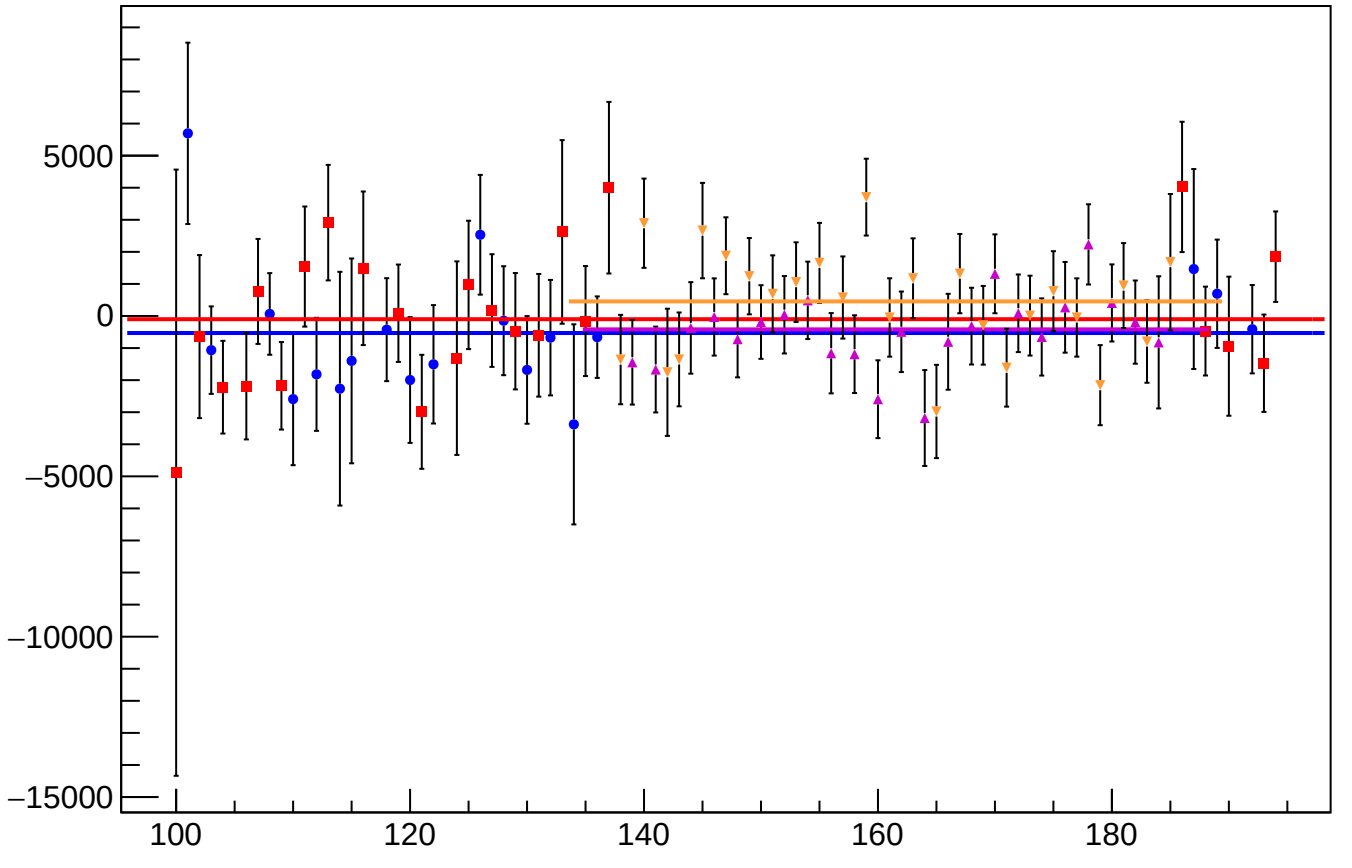
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 3392.008+/-0.565 χ^2/NDF: 3288879.0/42

In: 3745.641+/-0.520 χ^2/NDF:2143298.2/41

Out: 3598.935+/-0.481 χ^2/NDF:3804459.7/48

All: 3666.578+/-0.353 χ^2/NDF: 5990729.9/90



Right In: -530.553+/-409.906 χ^2/NDF: 12.9/18

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: -99.554+/-372.397 χ^2/NDF: 24.2/23

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

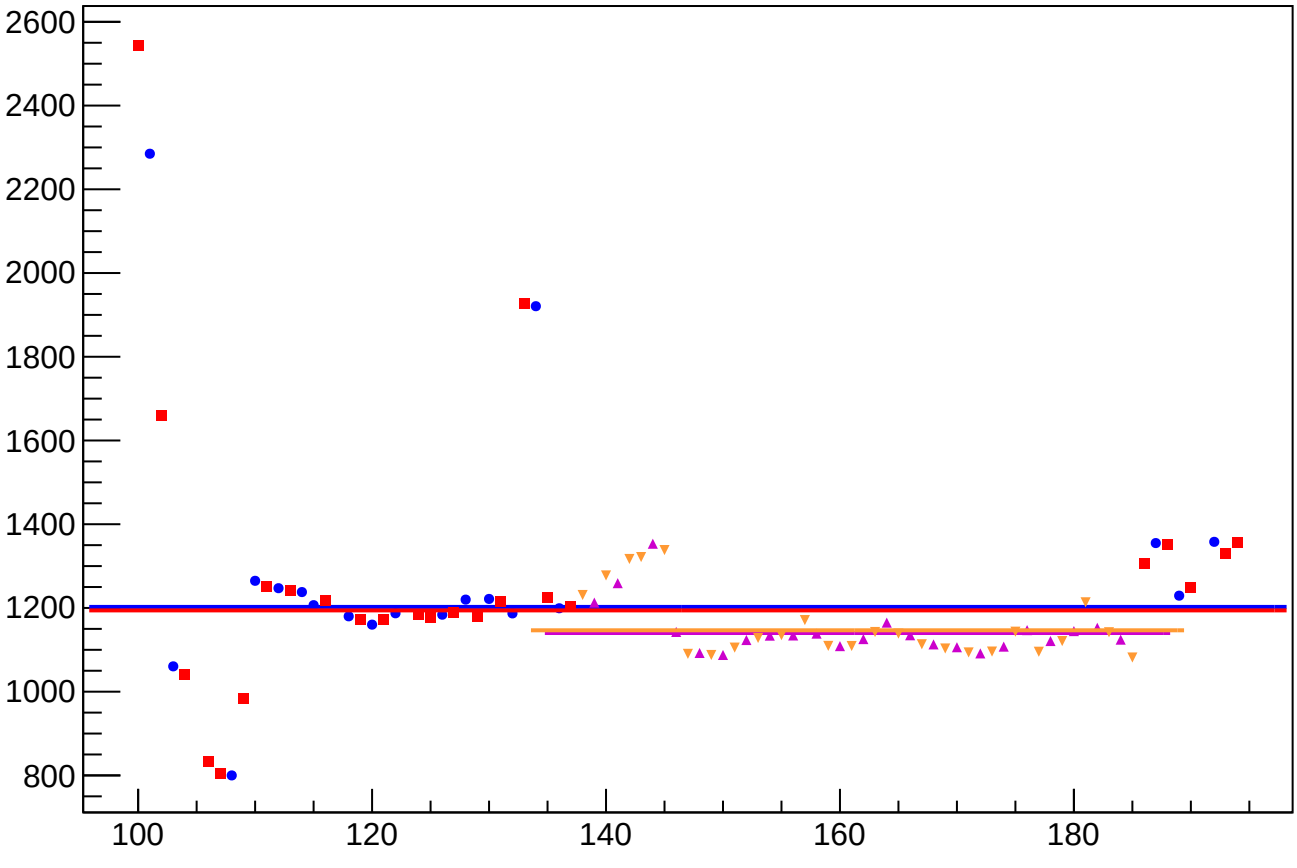
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -294.436+/-275.633 χ^2/NDF: 37.7/42

In: -450.893+/-223.479 χ^2/NDF:30.3/41

Out: 272.802+/-213.736 χ^2/NDF:61.8/48

All: -72.927+/-154.464 χ^2/NDF: 97.6/90



Right In: 1202.477+/-0.290 χ^2/NDF: 657233.4/18

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1194.170+/-0.263 χ^2/NDF: 599787.1/23

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

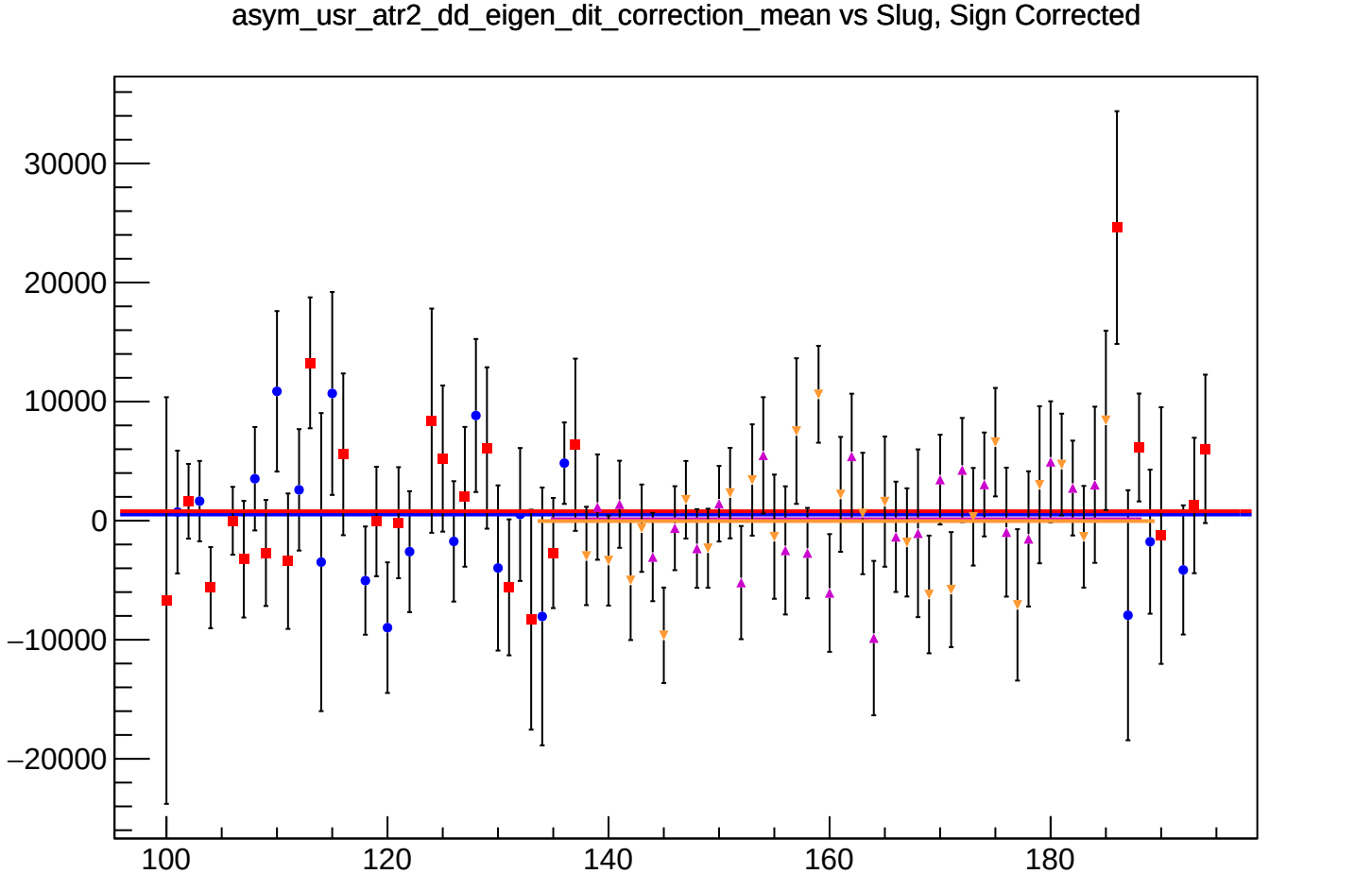
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

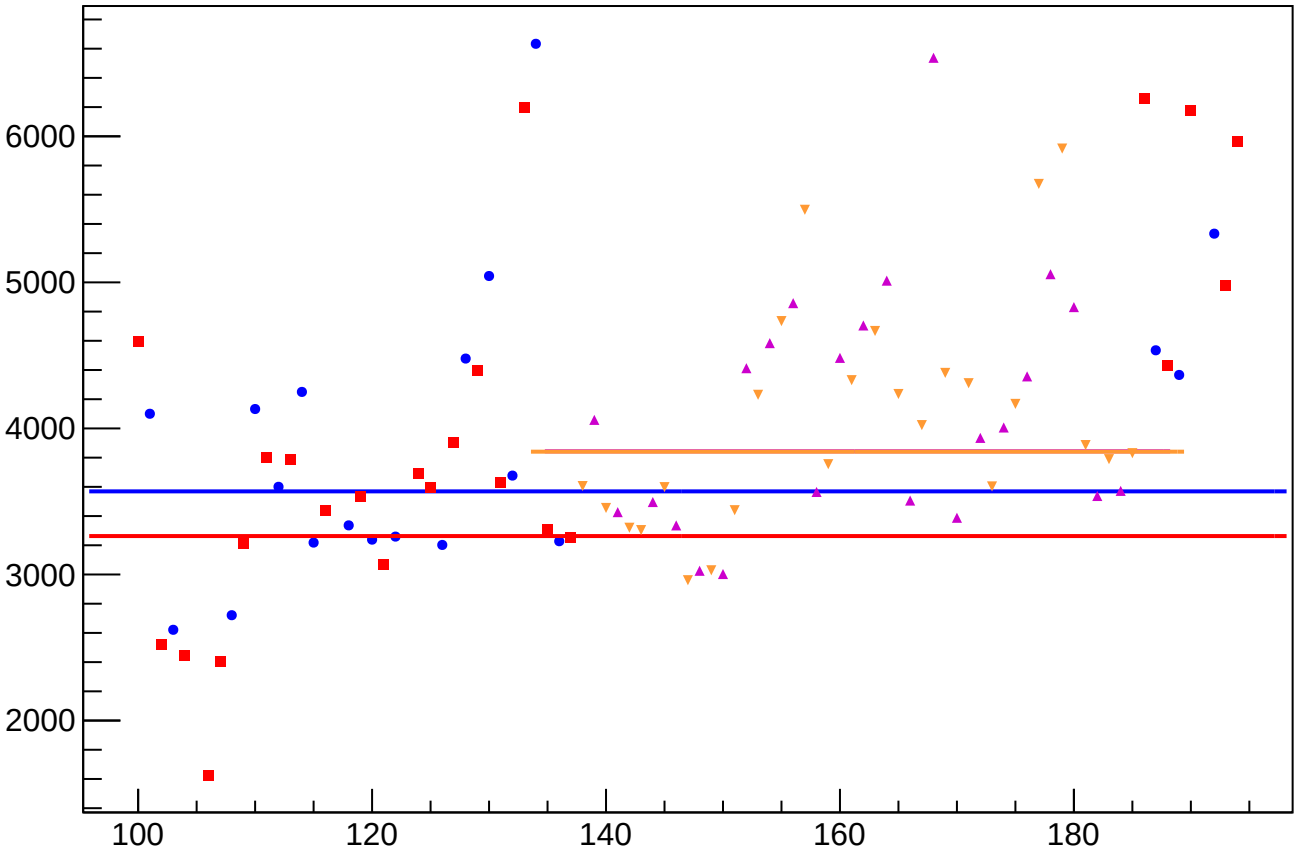
Right: 1197.925+/-0.195 χ^2/NDF: 1257470.6/42

In: 1158.689+/-0.158 χ^2/NDF:774446.0/41

Out: 1162.287+/-0.151 χ^2/NDF:762684.6/48

All: 1160.568+/-0.109 χ^2/NDF: 1537401.5/90


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
Right In: 516.719+/-1231.036 χ²/NDF: 15.5/18
Left Out: -33.548+/-891.372 χ²/NDF:27.8/24
Right Out: 791.364+/-1050.269 χ²/NDF: 24.8/23
Left In: 121.054+/-915.716 χ²/NDF:13.8/22
Left: 41.671+/-638.728 χ²/NDF: 41.5/47
Right: 675.669+/-798.995 χ²/NDF: 40.3/42
In: 261.998+/-734.733 χ²/NDF:29.4/41
Out: 311.849+/-679.604 χ²/NDF:52.9/48
All: 288.864+/-498.905 χ²/NDF: 82.3/90



Right In: 3569.090+/-0.870 χ^2/NDF: 883342.6/18

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3263.106+/-0.743 χ^2/NDF: 2334029.9/23

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

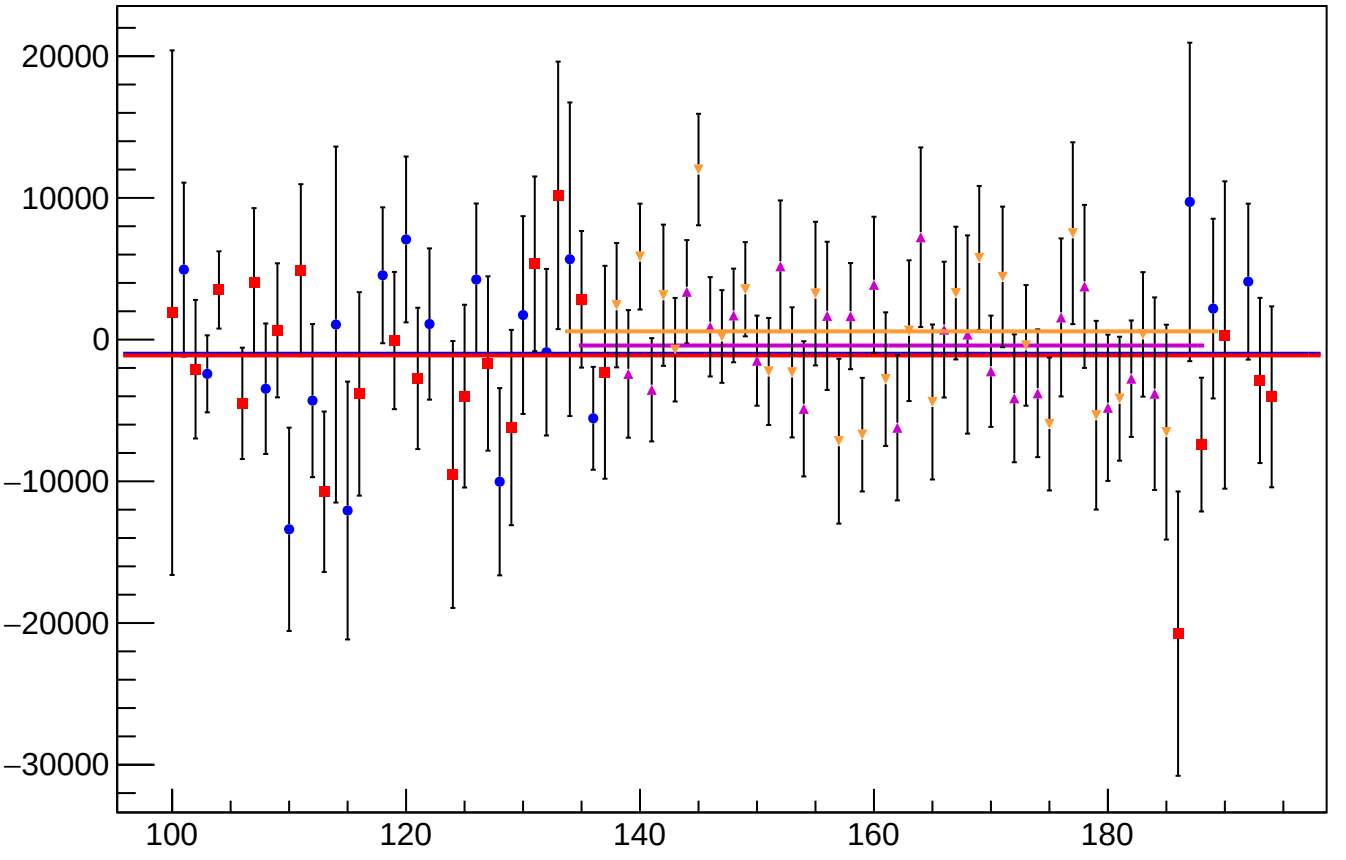
Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

Right: 3392.004+/-0.565 χ^2/NDF: 3288883.4/42

In: 3745.642+/-0.520 χ^2/NDF:2143303.7/41

Out: 3598.936+/-0.481 χ^2/NDF:3804479.3/48

All: 3666.579+/-0.353 χ^2/NDF: 5990755.9/90



Right In: -997.407+/-1244.260 χ^2/NDF: 16.7/18

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: -1114.339+/-1129.078 χ^2/NDF: 19.7/23

Left In: -416.803+/-919.006 χ^2/NDF:12.5/22

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

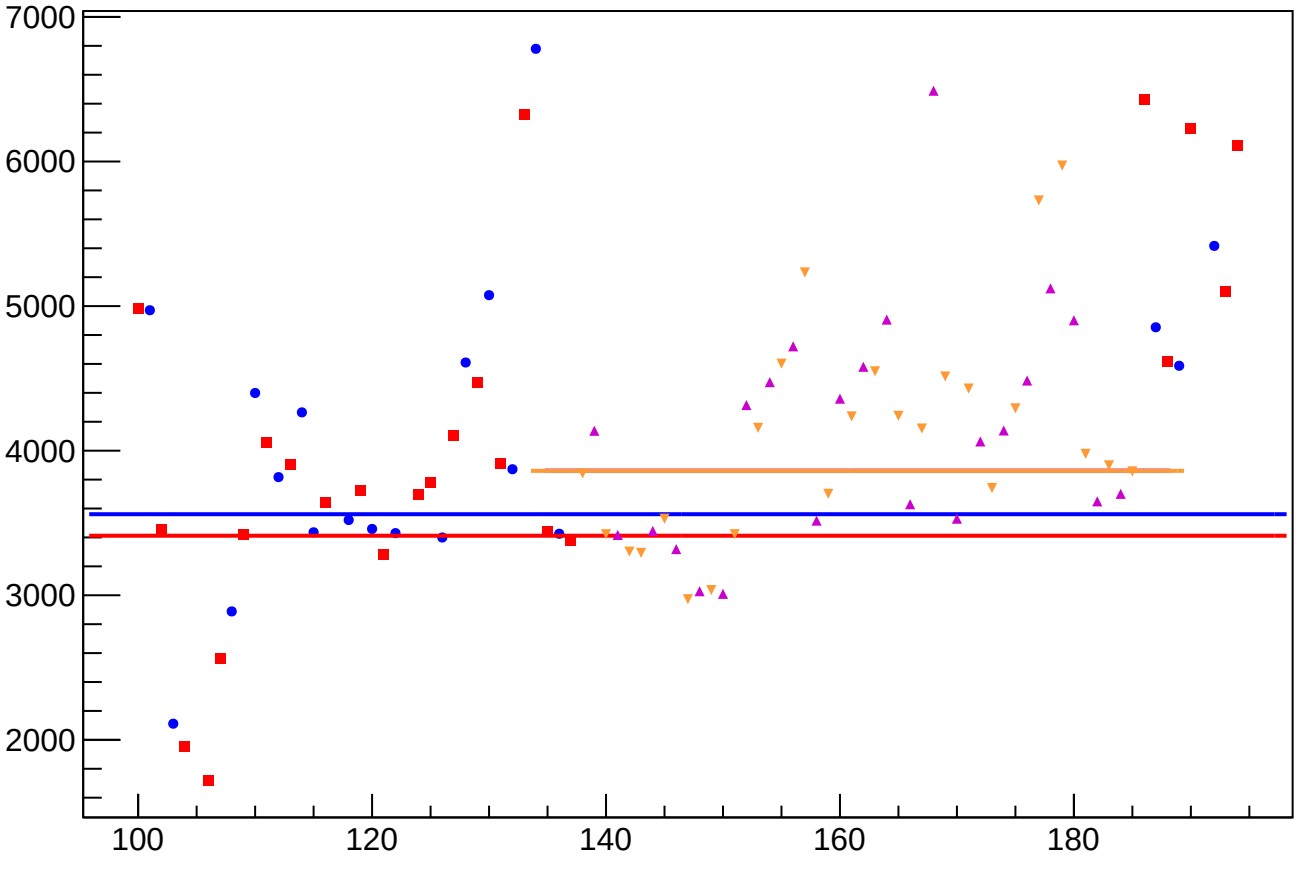
Right: -1061.535+/-836.141 χ^2/NDF: 36.4/42

In: -621.739+/-739.231 χ^2/NDF:29.3/41

Out: -71.708+/-701.326 χ^2/NDF:48.5/48

All: -332.261+/-508.785 χ^2/NDF: 78.1/90

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3560.649+/-0.880 χ^2/NDF: 1387490.2/18

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

Right Out: 3411.851+/-0.787 χ^2/NDF: 2445428.3/23

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

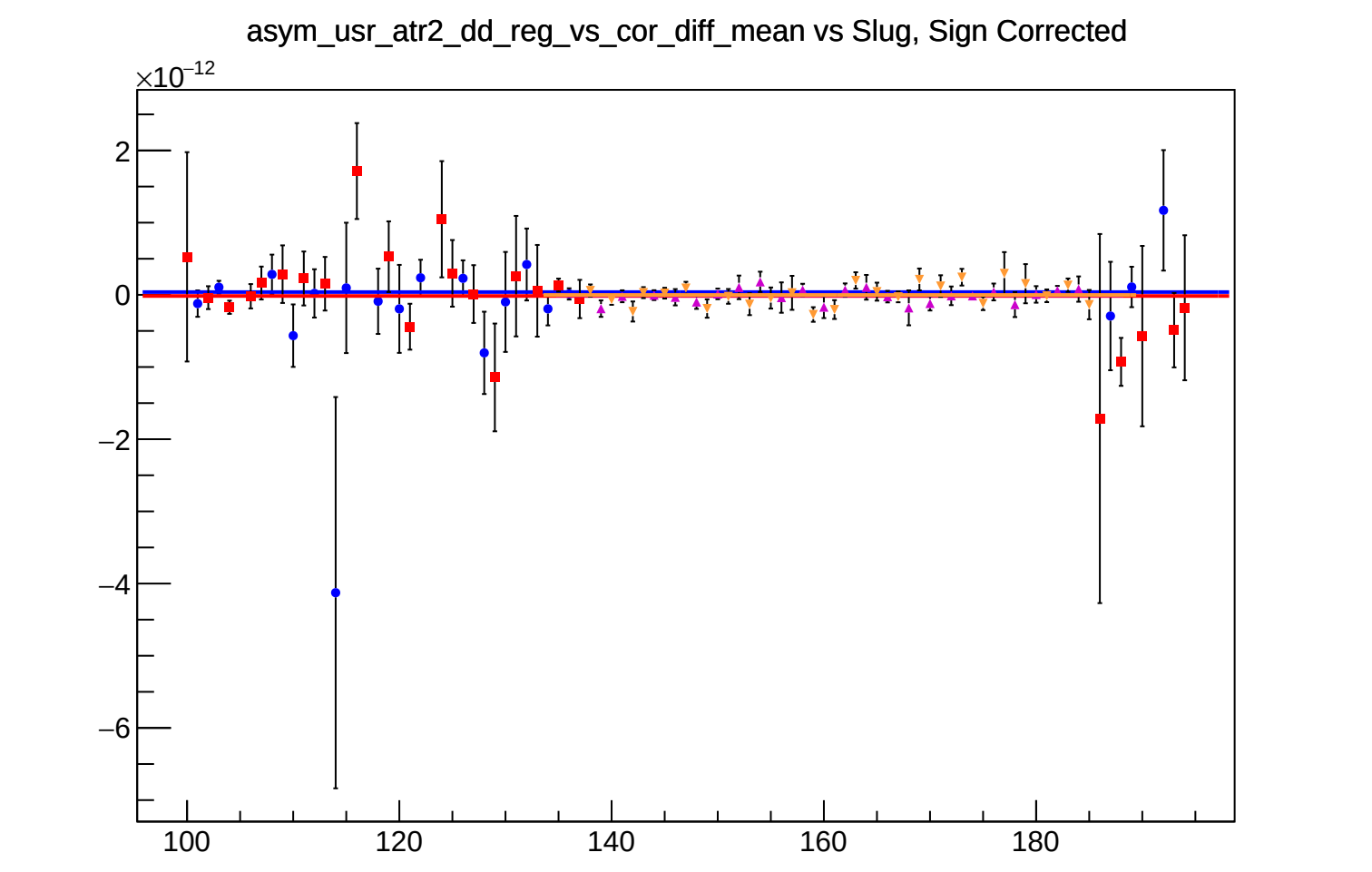
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

Right: 3477.986+/-0.587 χ^2/NDF: 3848808.3/42

In: 3755.851+/-0.523 χ^2/NDF:2605746.9/41

Out: 3684.349+/-0.493 χ^2/NDF:3740143.4/48

All: 3718.020+/-0.359 χ^2/NDF: 6355790.3/90



Right In: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.2/23

Left In: -0.000+/-0.000 χ^2/NDF:12.8/22

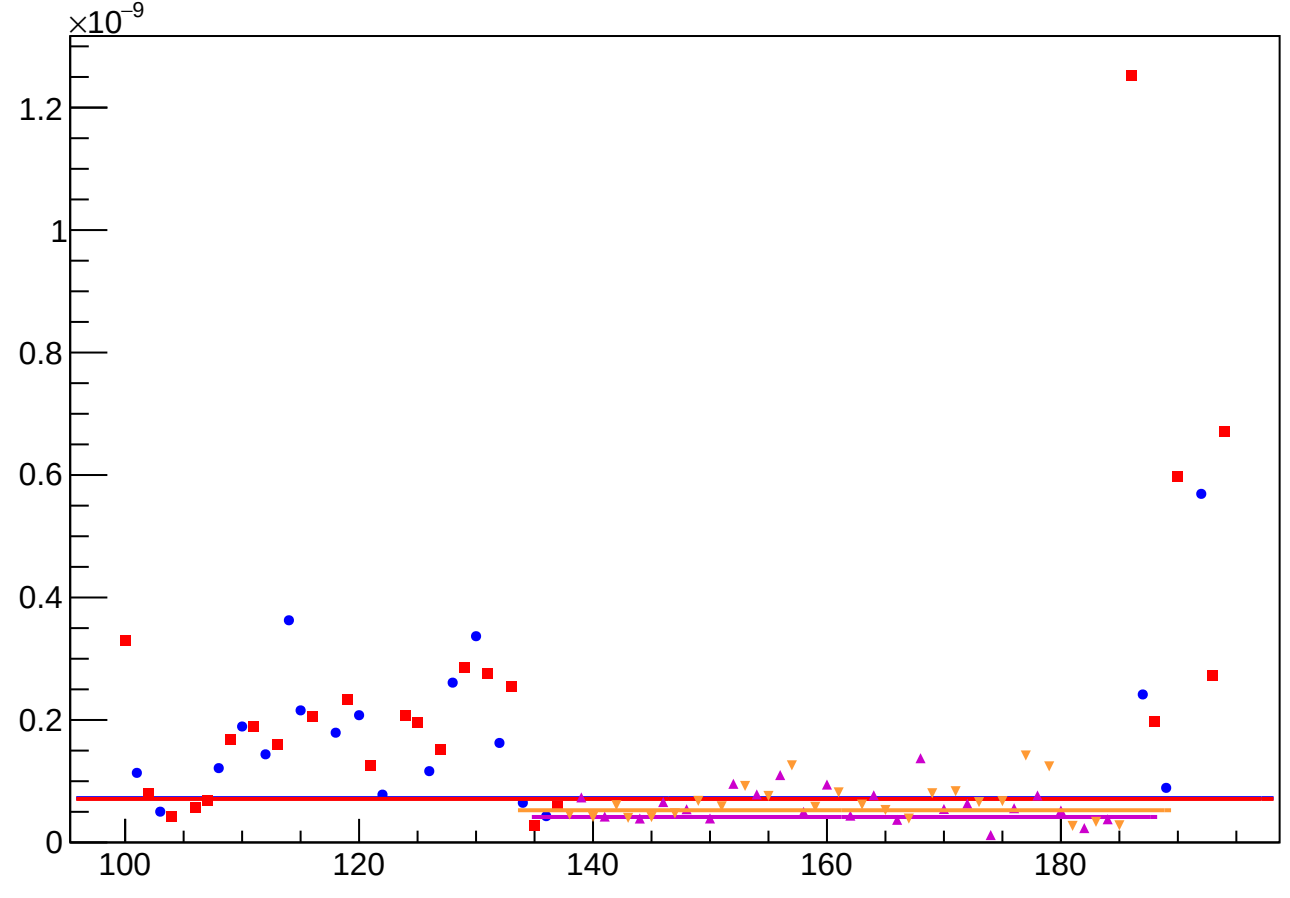
Left: -0.000+/-0.000 χ^2/NDF: 47.1/47

Right: 0.000+/-0.000 χ^2/NDF: 45.8/42

In: -0.000+/-0.000 χ^2/NDF:27.5/41

Out: -0.000+/-0.000 χ^2/NDF:65.5/48

All: -0.000+/-0.000 χ^2/NDF: 93.1/90



Right In: 0.000+/-0.000 χ^2/NDF: 2554588.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4388772.7/23

Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

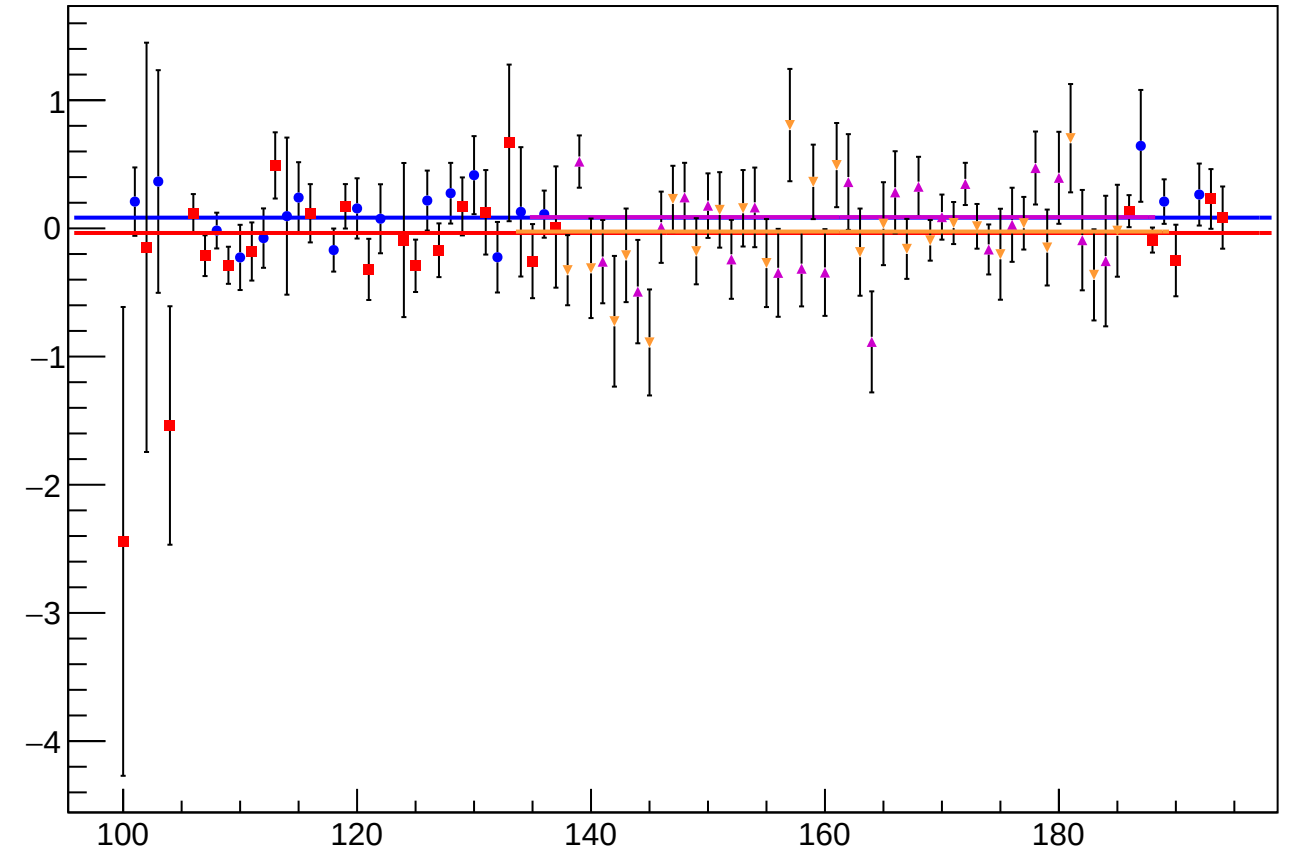
Left: 0.000+/-0.000 χ^2/NDF: 4840259.0/47

Right: 0.000+/-0.000 χ^2/NDF: 6944101.8/42

In: 0.000+/-0.000 χ^2/NDF:6200085.9/41

Out: 0.000+/-0.000 χ^2/NDF:6241646.4/48

All: 0.000+/-0.000 χ^2/NDF: 12704226.7/90



Right In: 0.084+/-0.055 χ^2/NDF: 11.7/18

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.036+/-0.043 χ^2/NDF: 26.8/23

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

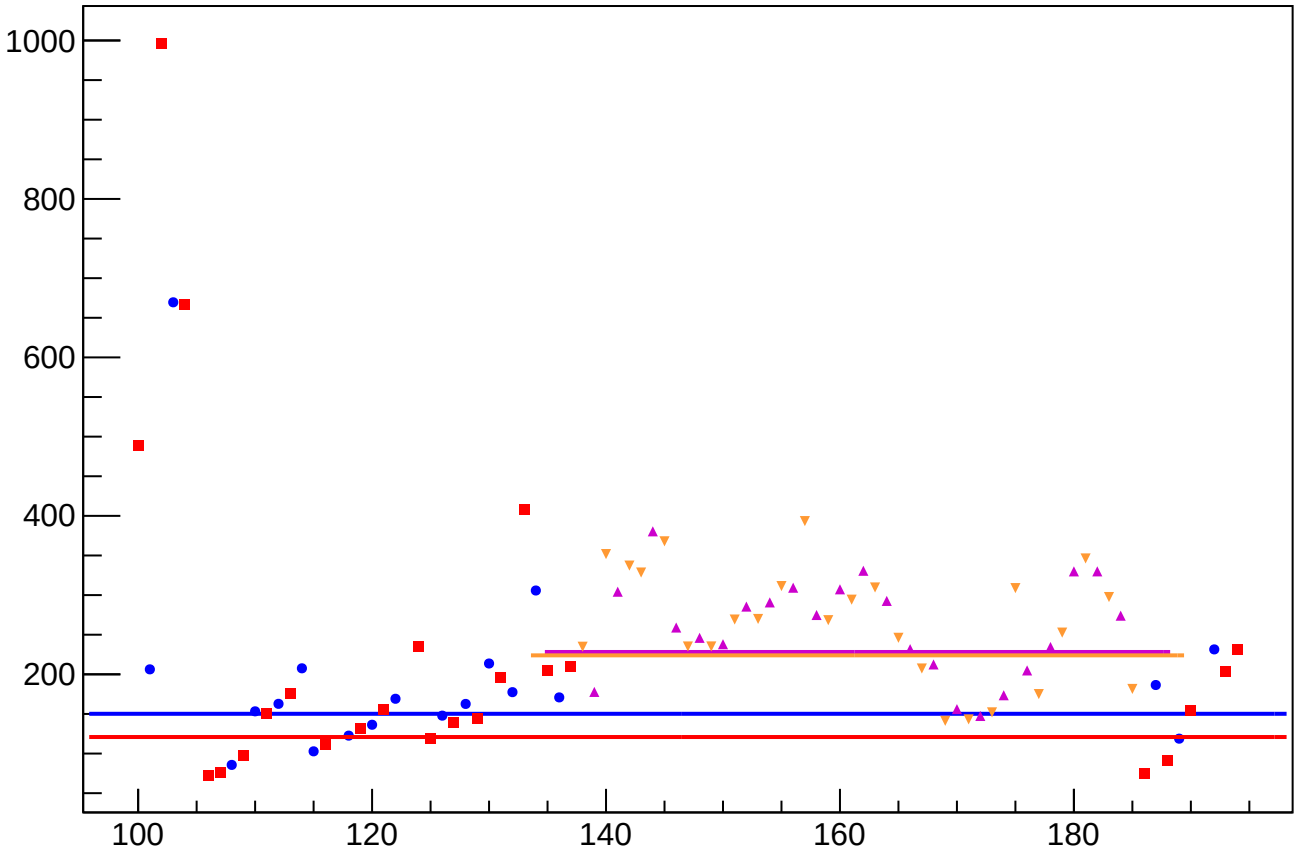
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.009+/-0.034 χ^2/NDF: 41.4/42

In: 0.086+/-0.039 χ^2/NDF:41.7/41

Out: -0.032+/-0.034 χ^2/NDF:50.9/48

All: 0.018+/-0.026 χ^2/NDF: 97.7/90



Right In: 150.186+/-0.039 χ^2/NDF: 2017422.4/18

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 120.868+/-0.030 χ^2/NDF: 4028802.6/23

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

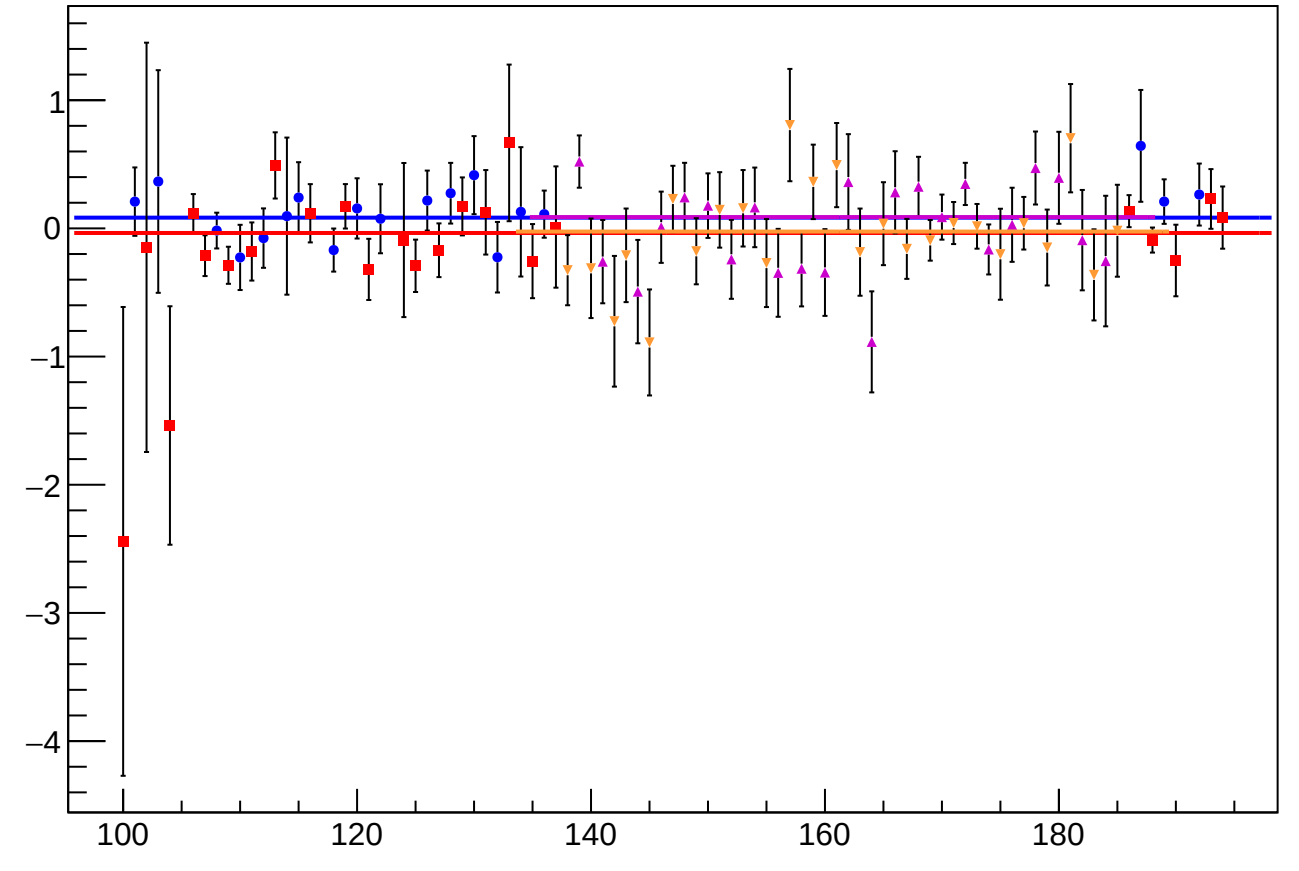
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 131.905+/-0.024 χ^2/NDF: 6403239.6/42

In: 187.889+/-0.028 χ^2/NDF:6465596.4/41

Out: 159.846+/-0.024 χ^2/NDF:11899884.2/48

All: 171.648+/-0.018 χ^2/NDF: 18952633.6/90



Right In: 0.084+/-0.055 χ^2/NDF: 11.7/18

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.036+/-0.043 χ^2/NDF: 26.8/23

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

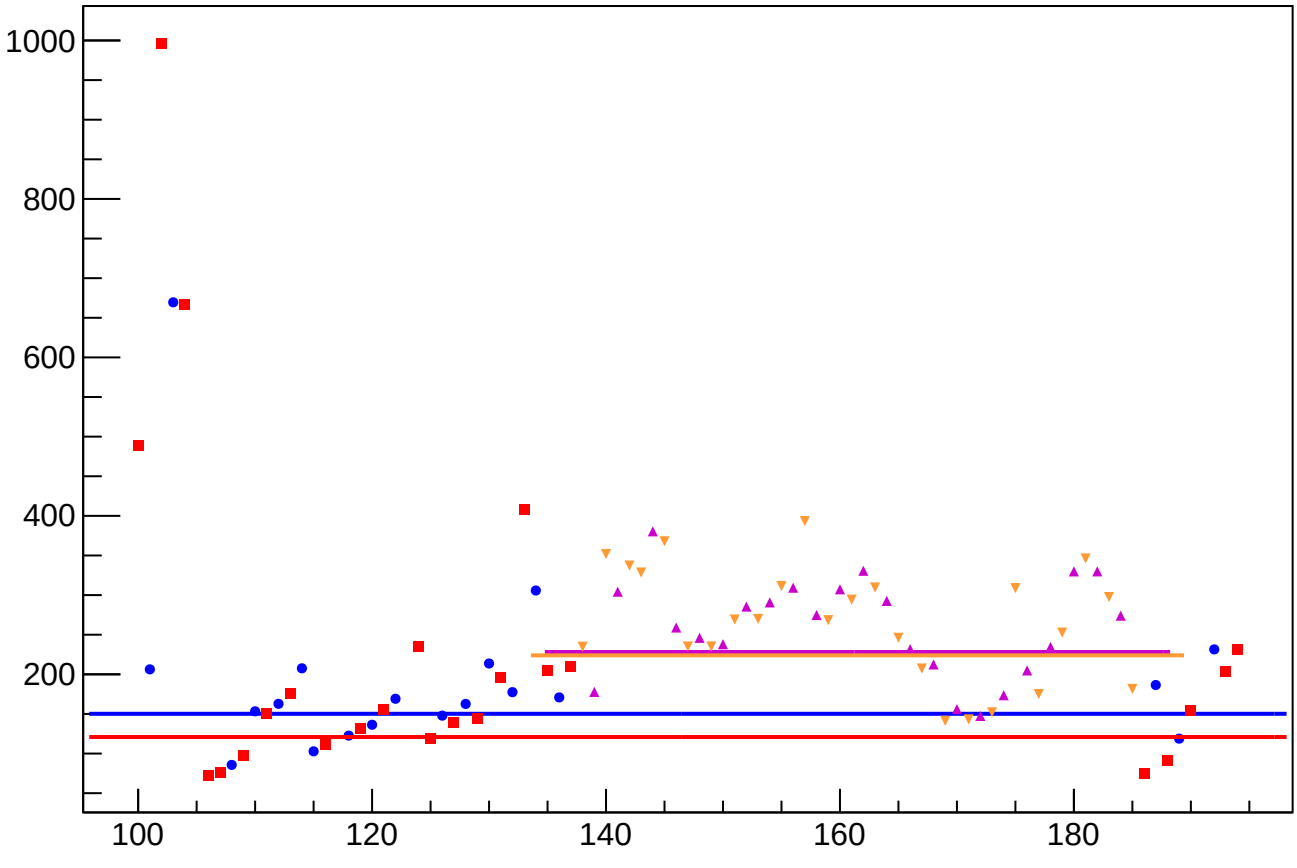
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.009+/-0.034 χ^2/NDF: 41.4/42

In: 0.086+/-0.039 χ^2/NDF:41.7/41

Out: -0.032+/-0.034 χ^2/NDF:50.9/48

All: 0.018+/-0.026 χ^2/NDF: 97.7/90



Right In: 150.186+/-0.039 χ^2/NDF: 2017422.4/18

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 120.868+/-0.030 χ^2/NDF: 4028802.6/23

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

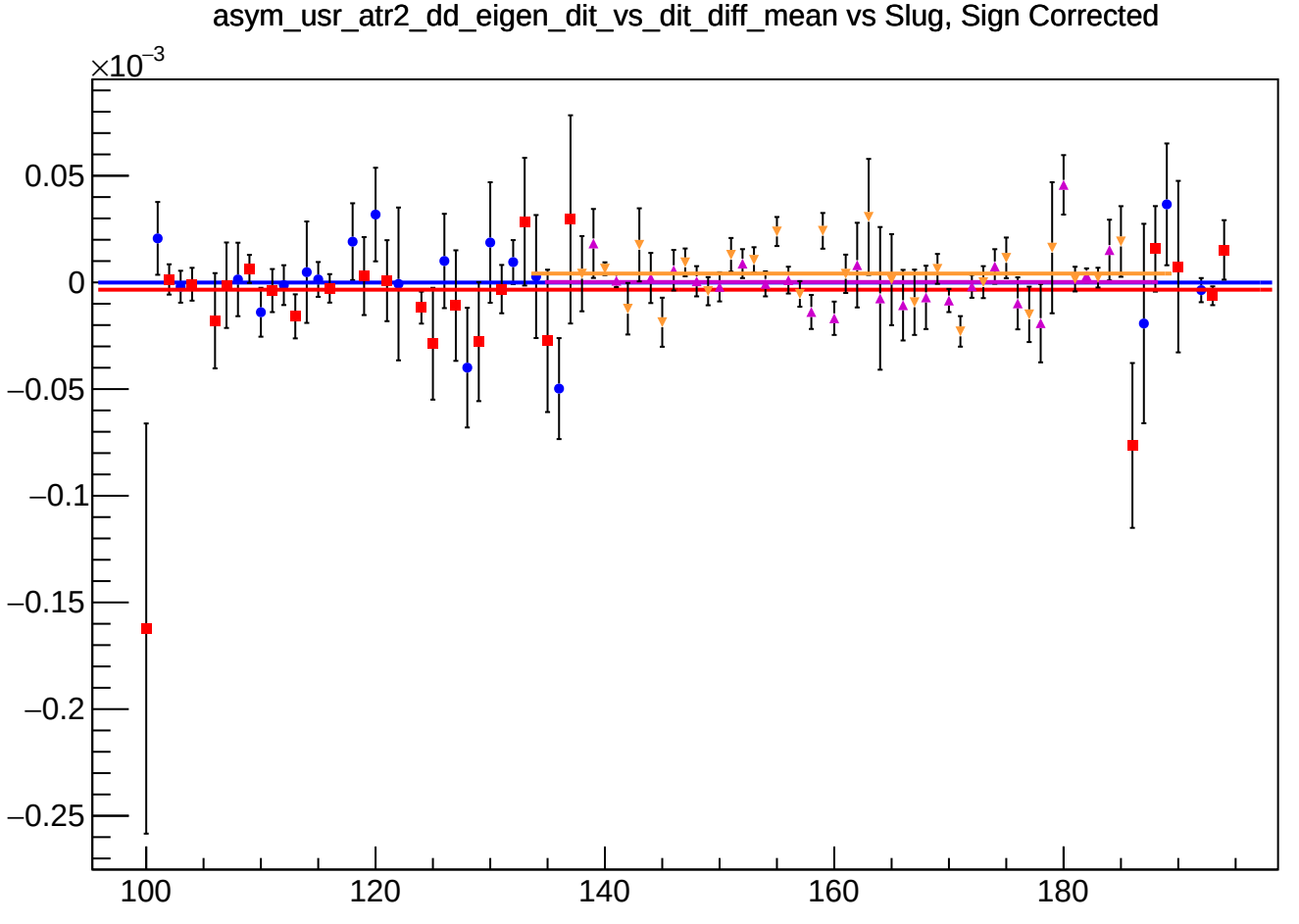
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 131.905+/-0.024 χ^2/NDF: 6403239.6/42

In: 187.889+/-0.028 χ^2/NDF:6465596.4/41

Out: 159.846+/-0.024 χ^2/NDF:11899884.2/48

All: 171.648+/-0.018 χ^2/NDF: 18952633.6/90



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/23

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

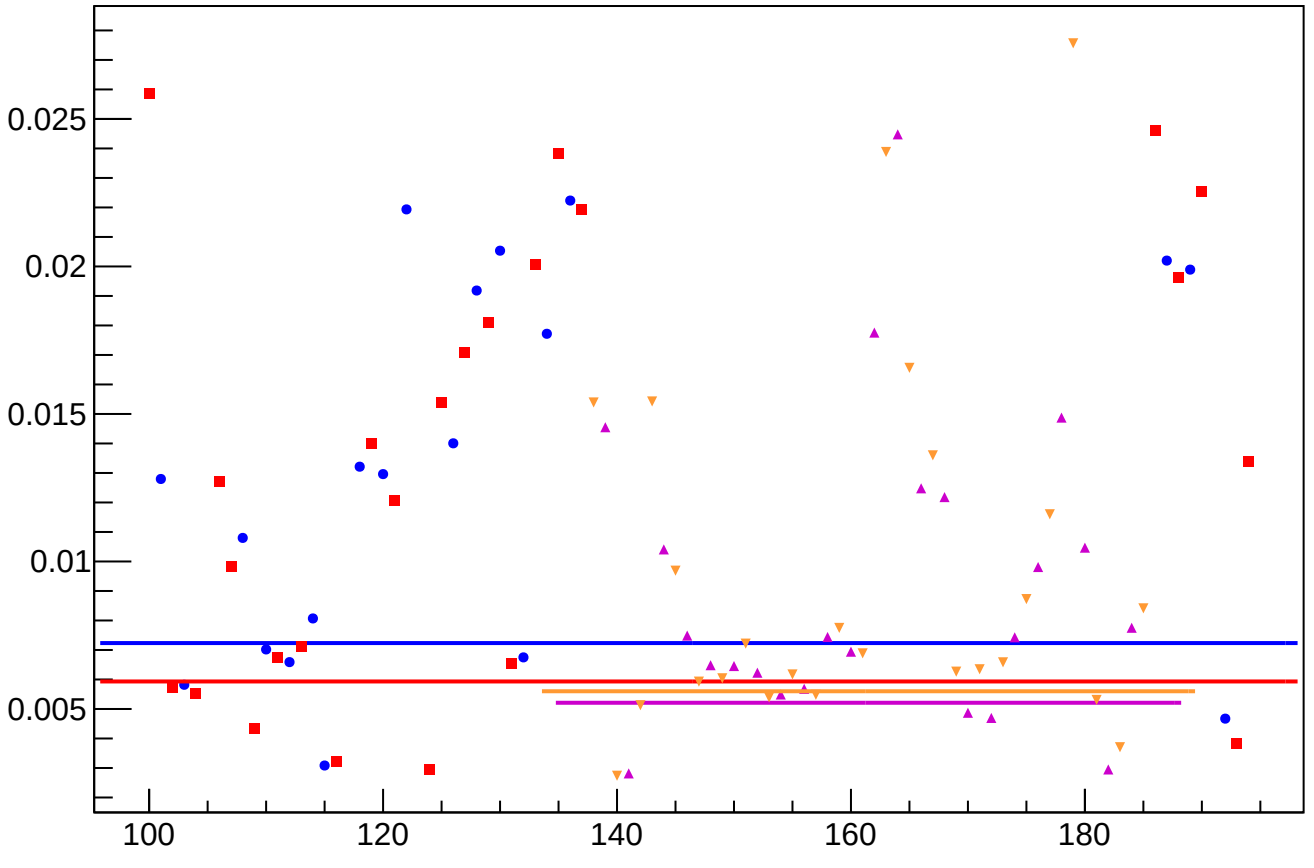
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: -0.000+/-0.000 χ^2/NDF: 36.8/42

In: 0.000+/-0.000 χ^2/NDF:46.6/41

Out: 0.000+/-0.000 χ^2/NDF:76.4/48

All: 0.000+/-0.000 χ^2/NDF: 123.9/90



Right In: 0.007+/-0.000 χ^2/NDF: 4615827.1/18

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.006+/-0.000 χ^2/NDF: 6779273.7/23

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

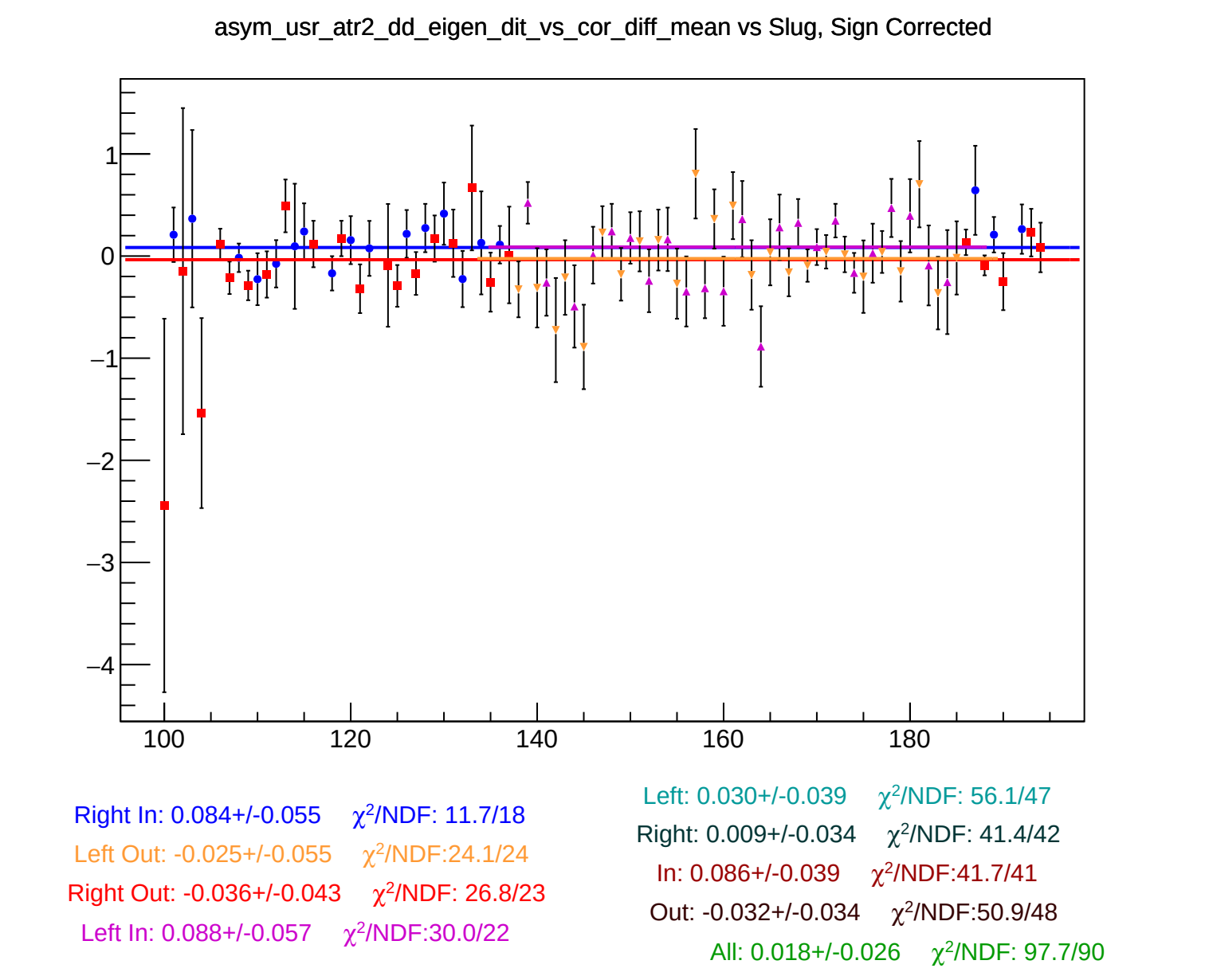
Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

Right: 0.006+/-0.000 χ^2/NDF: 11646391.7/42

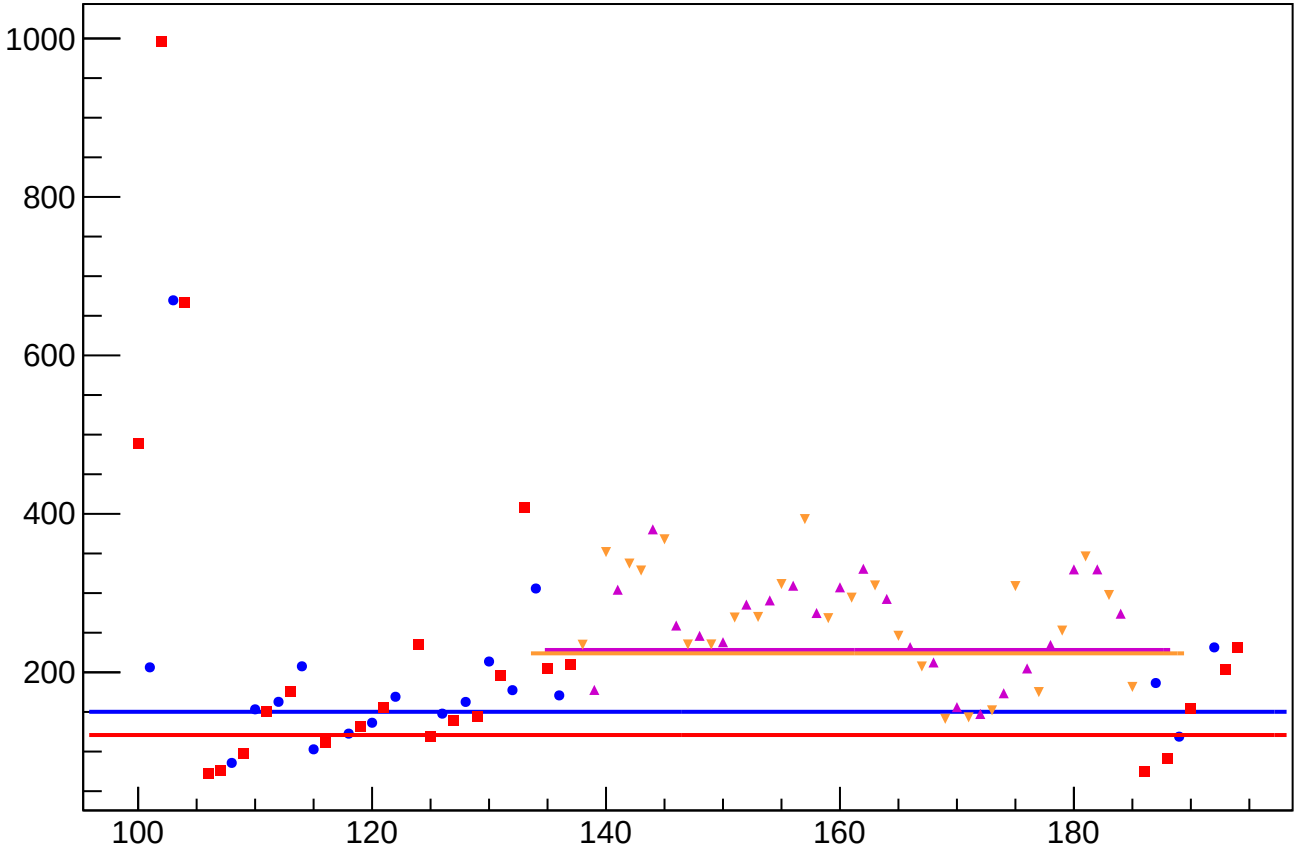
In: 0.006+/-0.000 χ^2/NDF:12845384.1/41

Out: 0.006+/-0.000 χ^2/NDF:14579860.2/48

All: 0.006+/-0.000 χ^2/NDF: 27431843.4/90


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
120
140
160
180
Right In: 0.084+/-0.055 χ²/NDF: 11.7/18
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: -0.036+/-0.043 χ²/NDF: 26.8/23
Left In: 0.088+/-0.057 χ²/NDF:30.0/22
Left: 0.030+/-0.039 χ²/NDF: 56.1/47
Right: 0.009+/-0.034 χ²/NDF: 41.4/42
In: 0.086+/-0.039 χ²/NDF:41.7/41
Out: -0.032+/-0.034 χ²/NDF:50.9/48
All: 0.018+/-0.026 χ²/NDF: 97.7/90

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 150.183+/-0.039 χ^2/NDF: 2017540.7/18

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 120.872+/-0.030 χ^2/NDF: 4028438.6/23

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

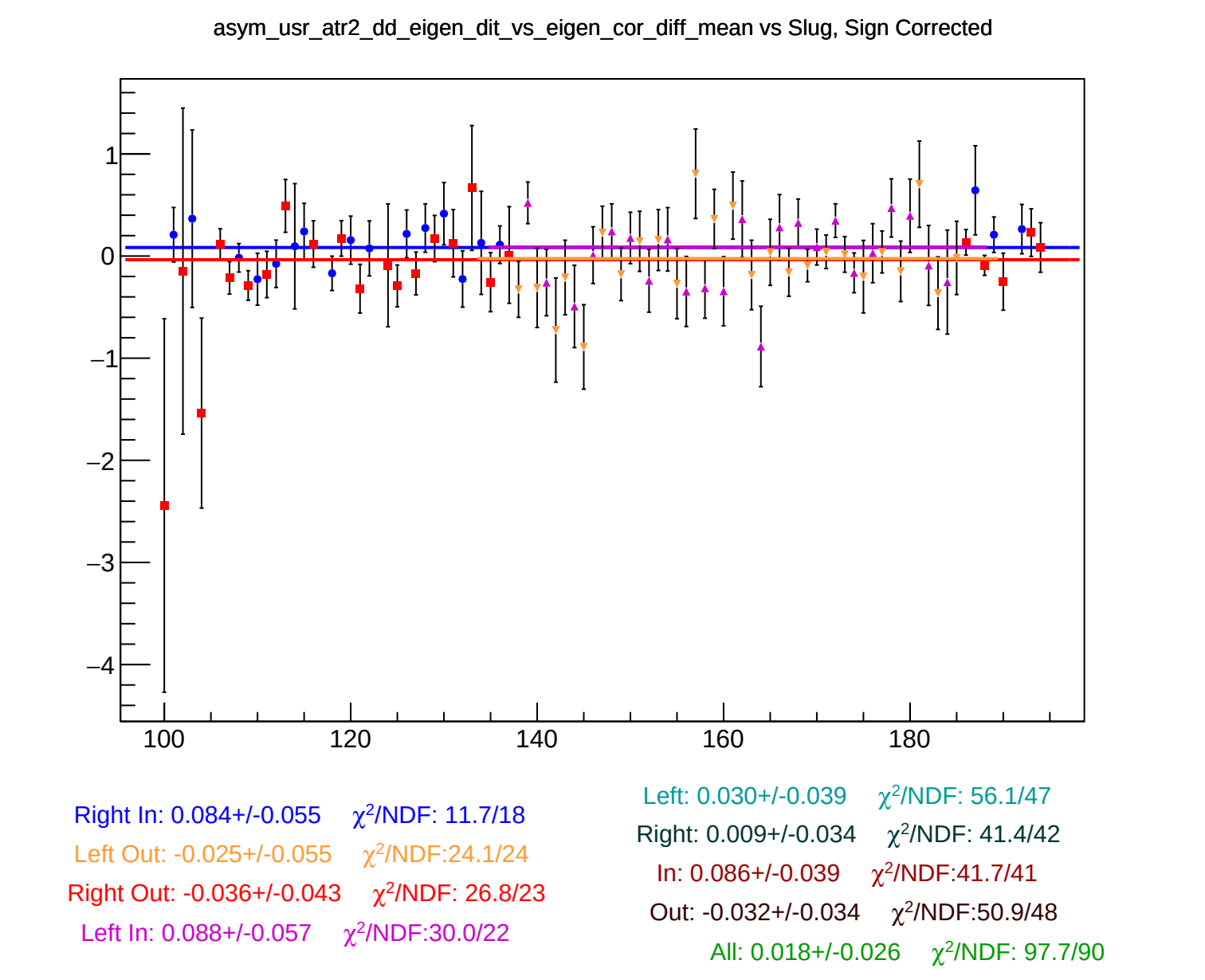
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 131.907+/-0.024 χ^2/NDF: 6402791.4/42

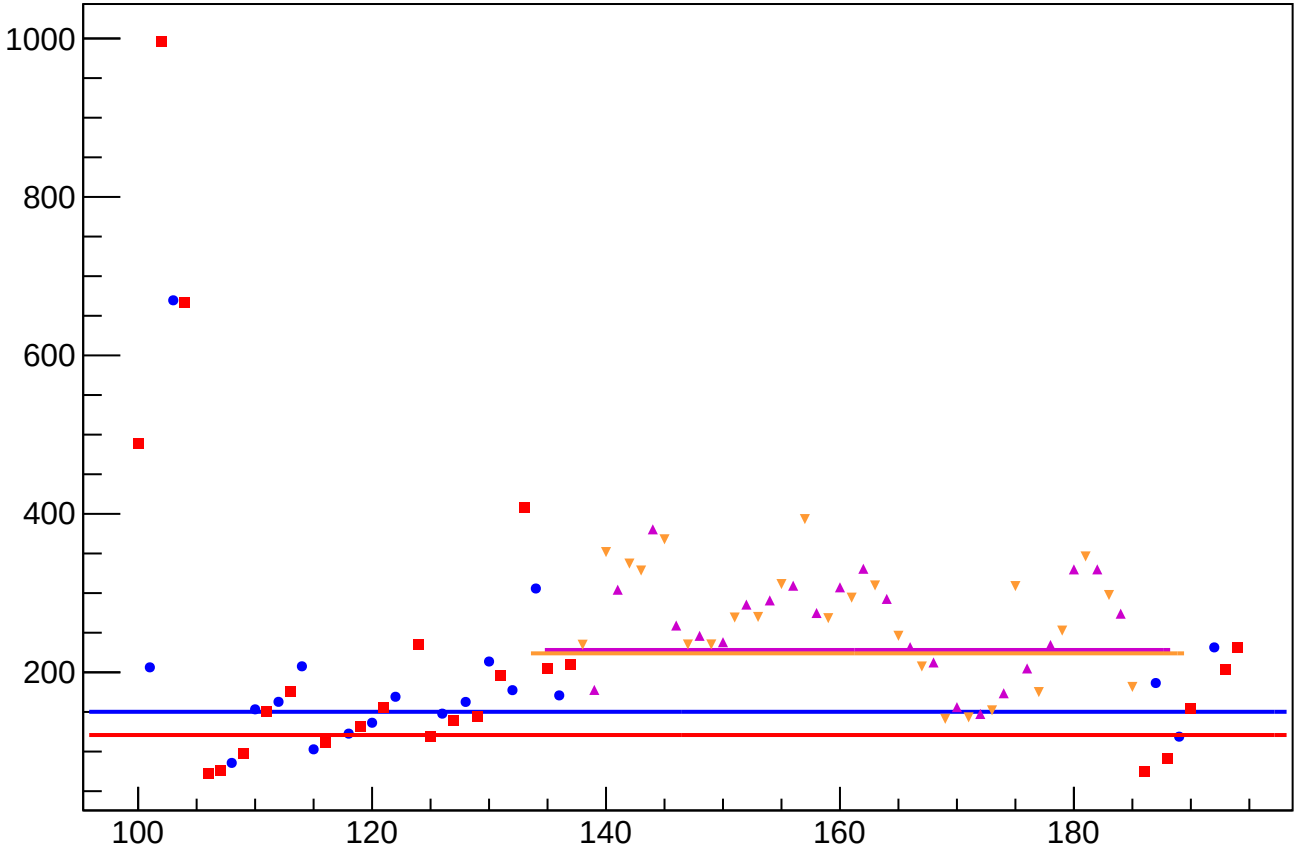
In: 187.887+/-0.028 χ^2/NDF:6466035.9/41

Out: 159.851+/-0.024 χ^2/NDF:11899189.9/48

All: 171.650+/-0.018 χ^2/NDF: 18952100.2/90


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
120
140
160
180
Right In: 0.084+/-0.055 χ²/NDF: 11.7/18
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: -0.036+/-0.043 χ²/NDF: 26.8/23
Left In: 0.088+/-0.057 χ²/NDF:30.0/22
Left: 0.030+/-0.039 χ²/NDF: 56.1/47
Right: 0.009+/-0.034 χ²/NDF: 41.4/42
In: 0.086+/-0.039 χ²/NDF:41.7/41
Out: -0.032+/-0.034 χ²/NDF:50.9/48
All: 0.018+/-0.026 χ²/NDF: 97.7/90

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 150.183+/-0.039 χ^2/NDF: 2017540.7/18

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 120.872+/-0.030 χ^2/NDF: 4028438.6/23

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

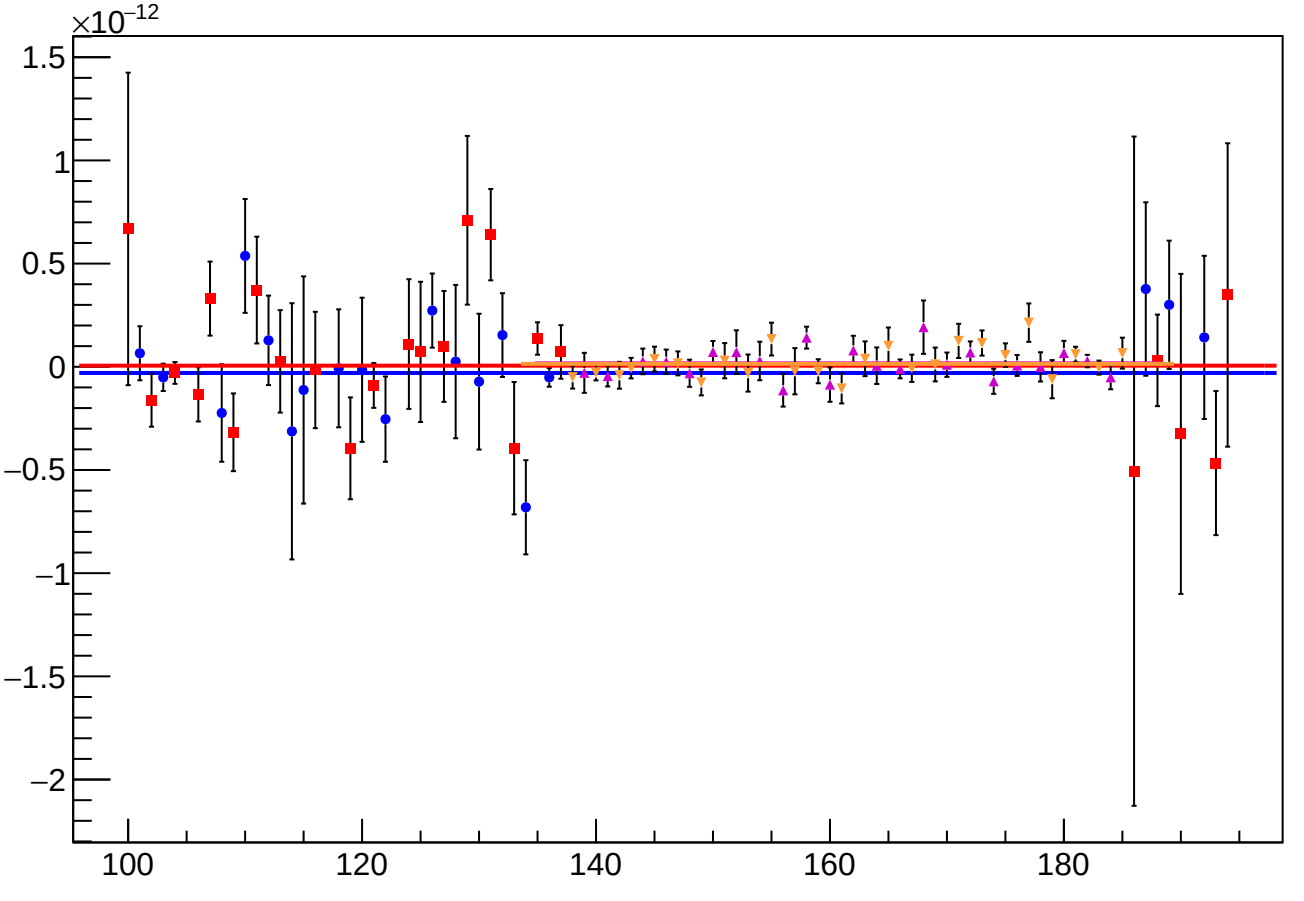
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 131.907+/-0.024 χ^2/NDF: 6402791.4/42

In: 187.887+/-0.028 χ^2/NDF:6466035.9/41

Out: 159.851+/-0.024 χ^2/NDF:11899189.9/48

All: 171.650+/-0.018 χ^2/NDF: 18952100.2/90



Right In: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.1/23

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

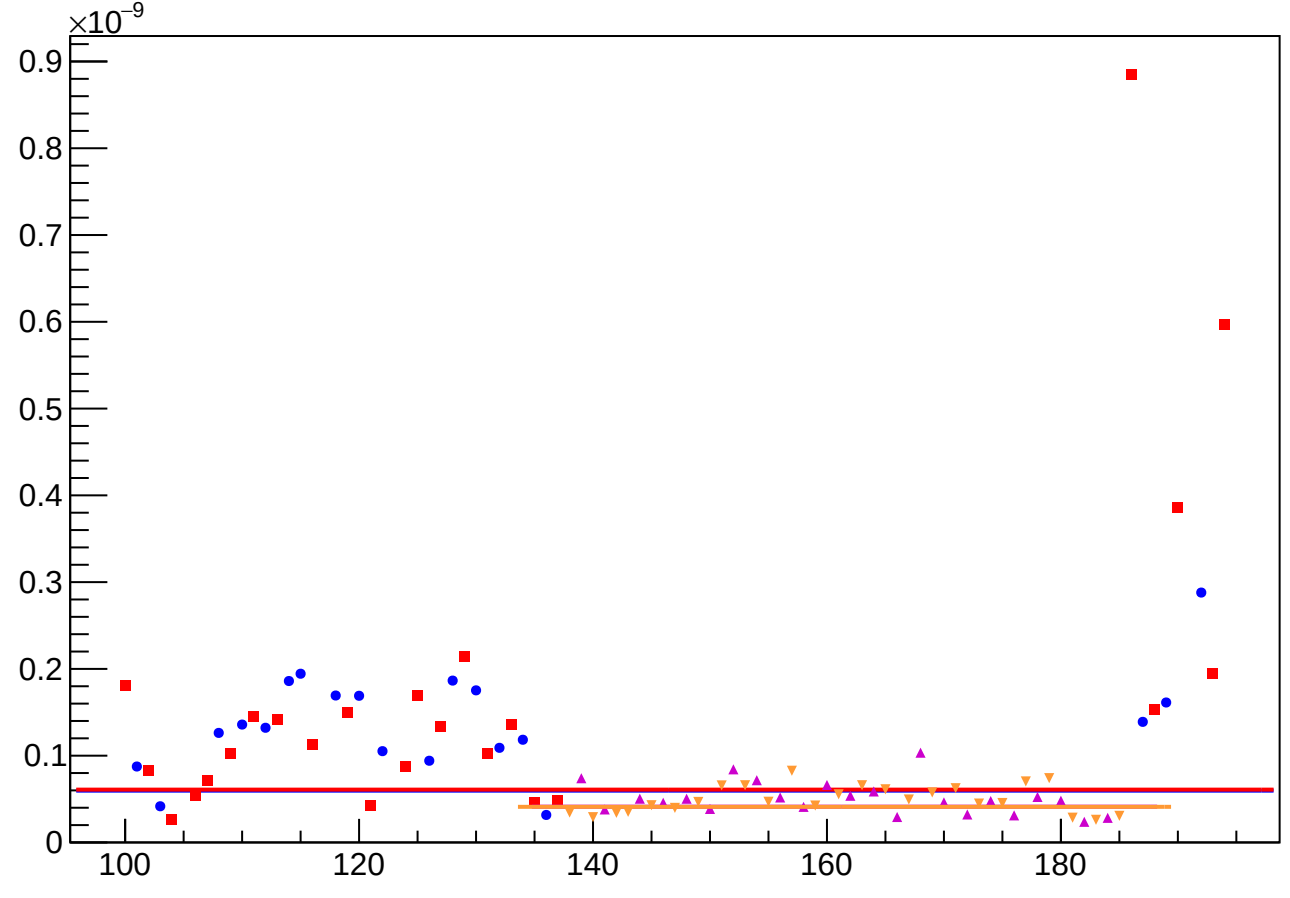
Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

Right: -0.000+/-0.000 χ^2/NDF: 56.5/42

In: 0.000+/-0.000 χ^2/NDF:45.4/41

Out: 0.000+/-0.000 χ^2/NDF:59.5/48

All: 0.000+/-0.000 χ^2/NDF: 104.9/90



Right In: 0.000+/-0.000 χ^2/NDF: 4082926.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5353718.5/23

Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

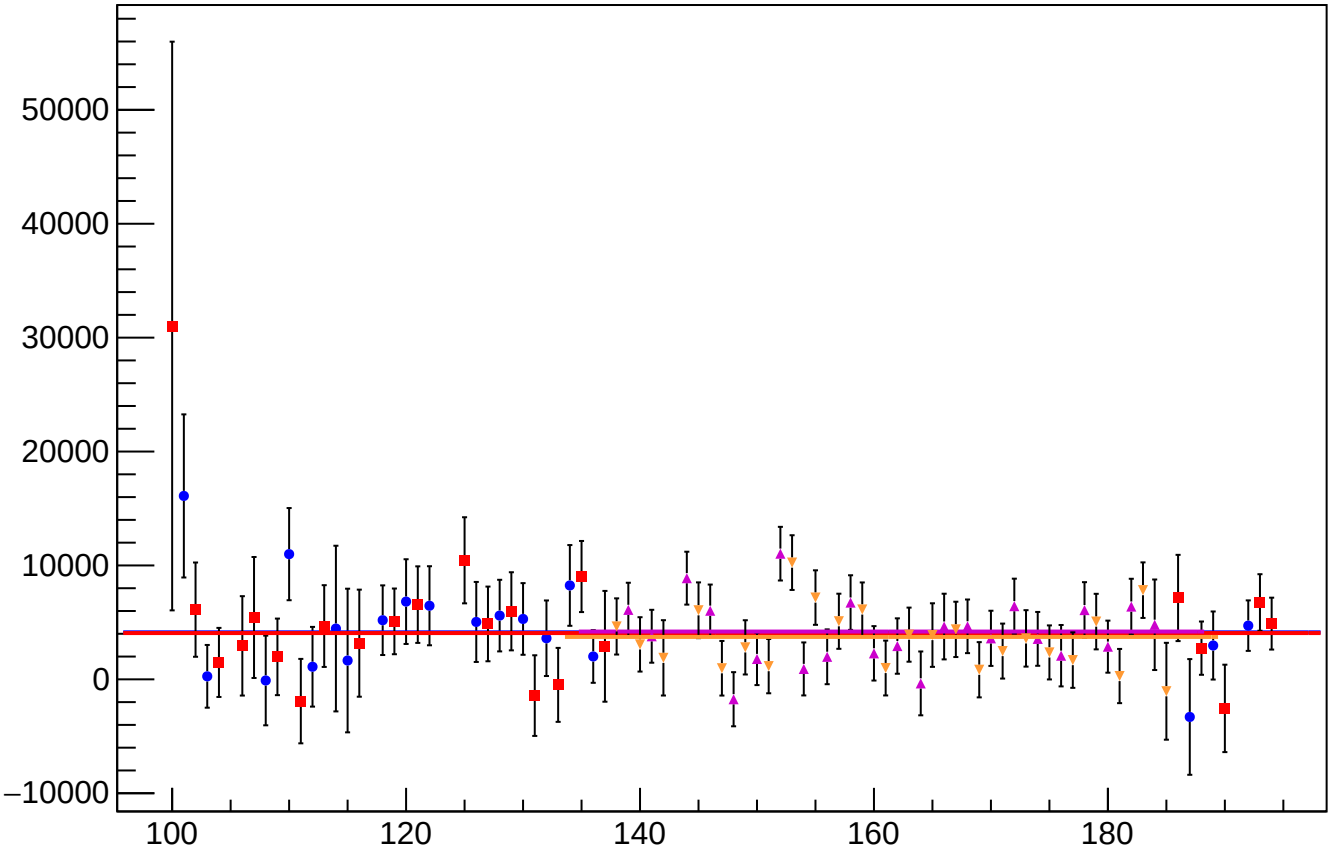
Left: 0.000+/-0.000 χ^2/NDF: 5496578.5/47

Right: 0.000+/-0.000 χ^2/NDF: 9437989.9/42

In: 0.000+/-0.000 χ^2/NDF:7523187.0/41

Out: 0.000+/-0.000 χ^2/NDF:8688289.8/48

All: 0.000+/-0.000 χ^2/NDF: 16211496.4/90



Right In: 4126.497+/-776.165 χ^2/NDF: 15.8/18

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: 4062.822+/-708.396 χ^2/NDF: 21.4/22

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

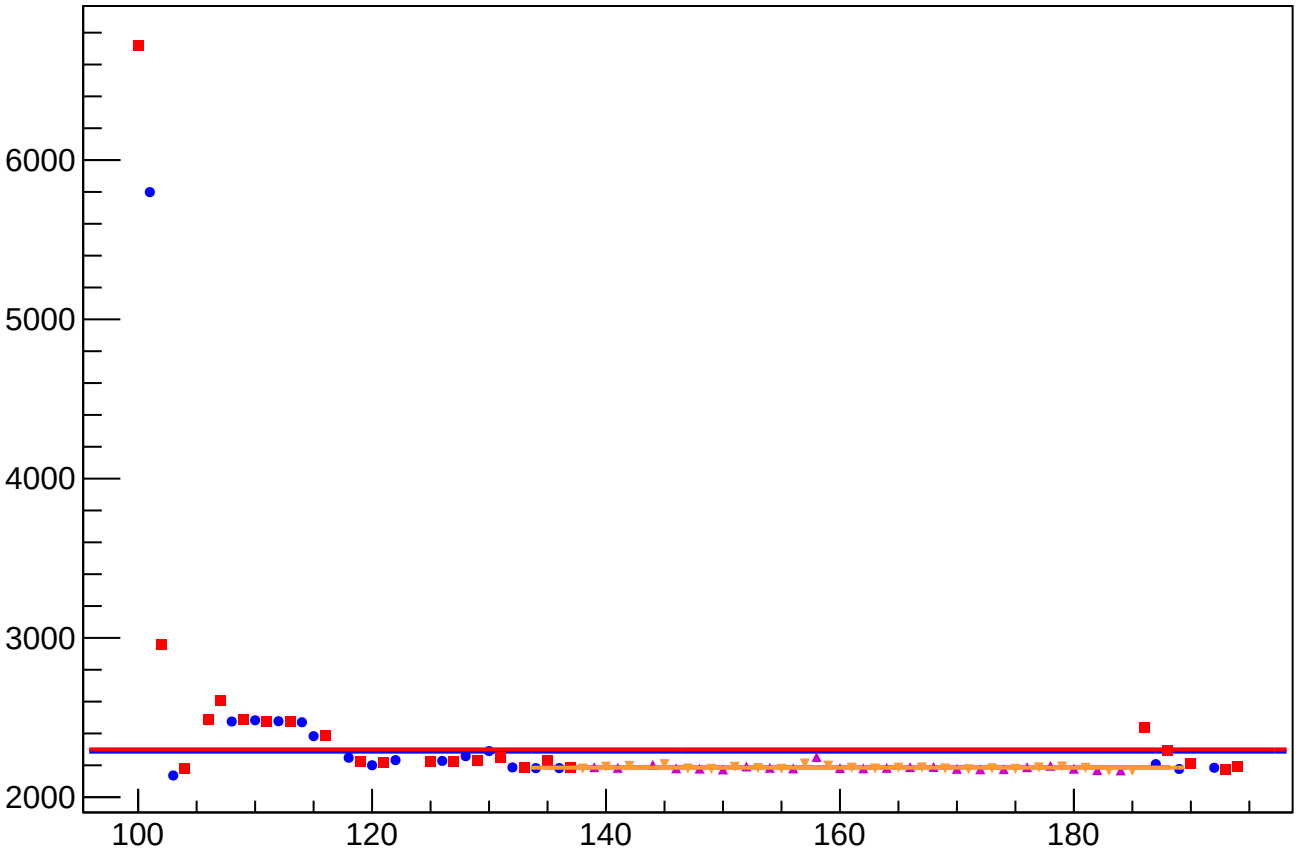
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4091.759+/-523.233 χ^2/NDF: 37.2/41

In: 4174.967+/-426.560 χ^2/NDF:47.9/41

Out: 3838.474+/-412.370 χ^2/NDF:47.0/46

All: 4001.031+/-296.479 χ^2/NDF: 95.3/88



Right In: 2285.937+/-0.549 χ^2/NDF: 521662.5/18

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2299.989+/-0.501 χ^2/NDF: 167085.3/22

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

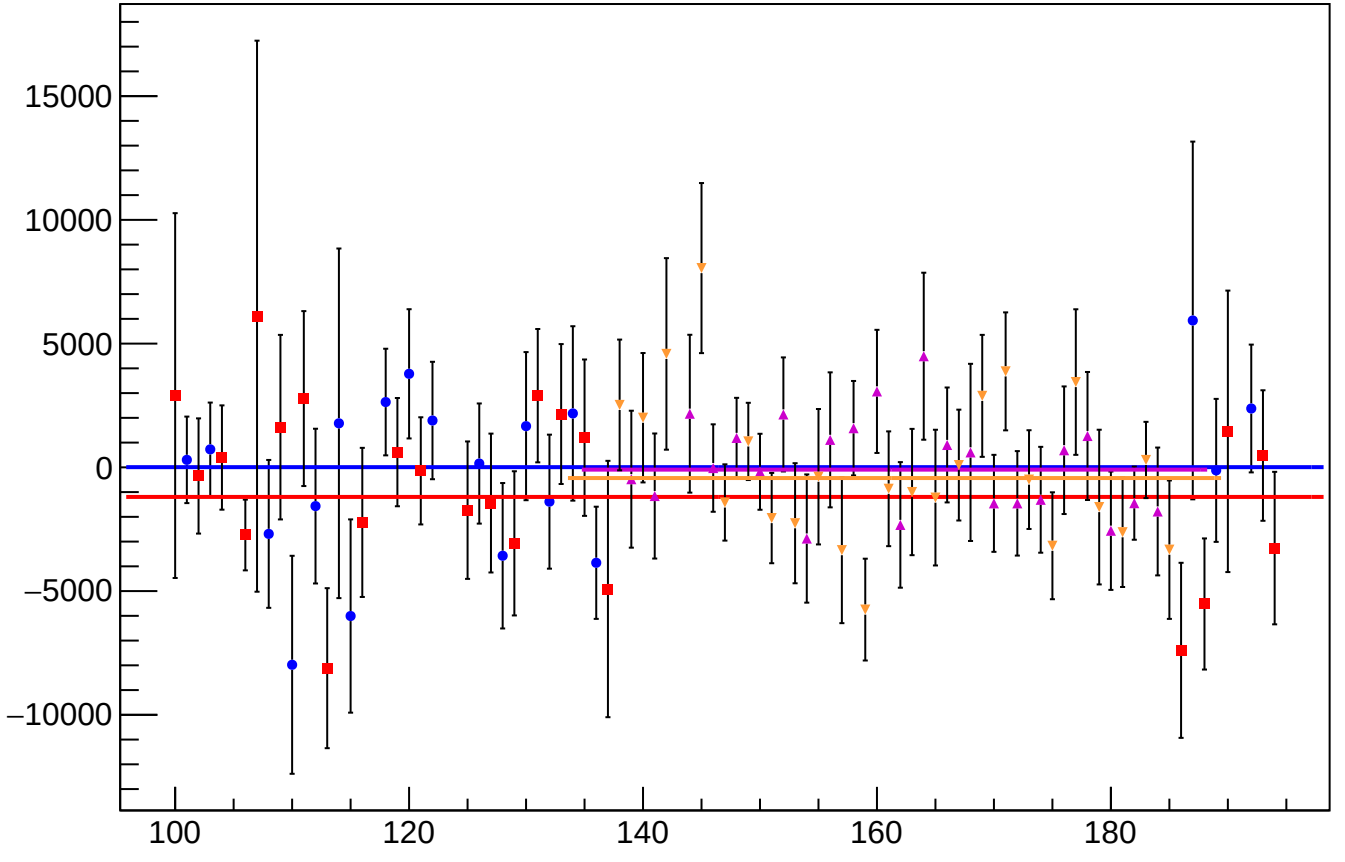
Right: 2293.603+/-0.370 χ^2/NDF: 689105.4/41

In: 2216.704+/-0.302 χ^2/NDF:546525.0/41

Out: 2224.053+/-0.292 χ^2/NDF:202660.3/46

All: 2220.503+/-0.210 χ^2/NDF: 749492.2/88

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 7.851+/-620.615 χ^2/NDF: 18.0/18

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

Right Out: -1195.288+/-578.962 χ^2/NDF: 22.1/22

Left In: -92.649+/-460.669 χ^2/NDF:12.8/22

Left: -261.837+/-326.347 χ^2/NDF: 44.3/46

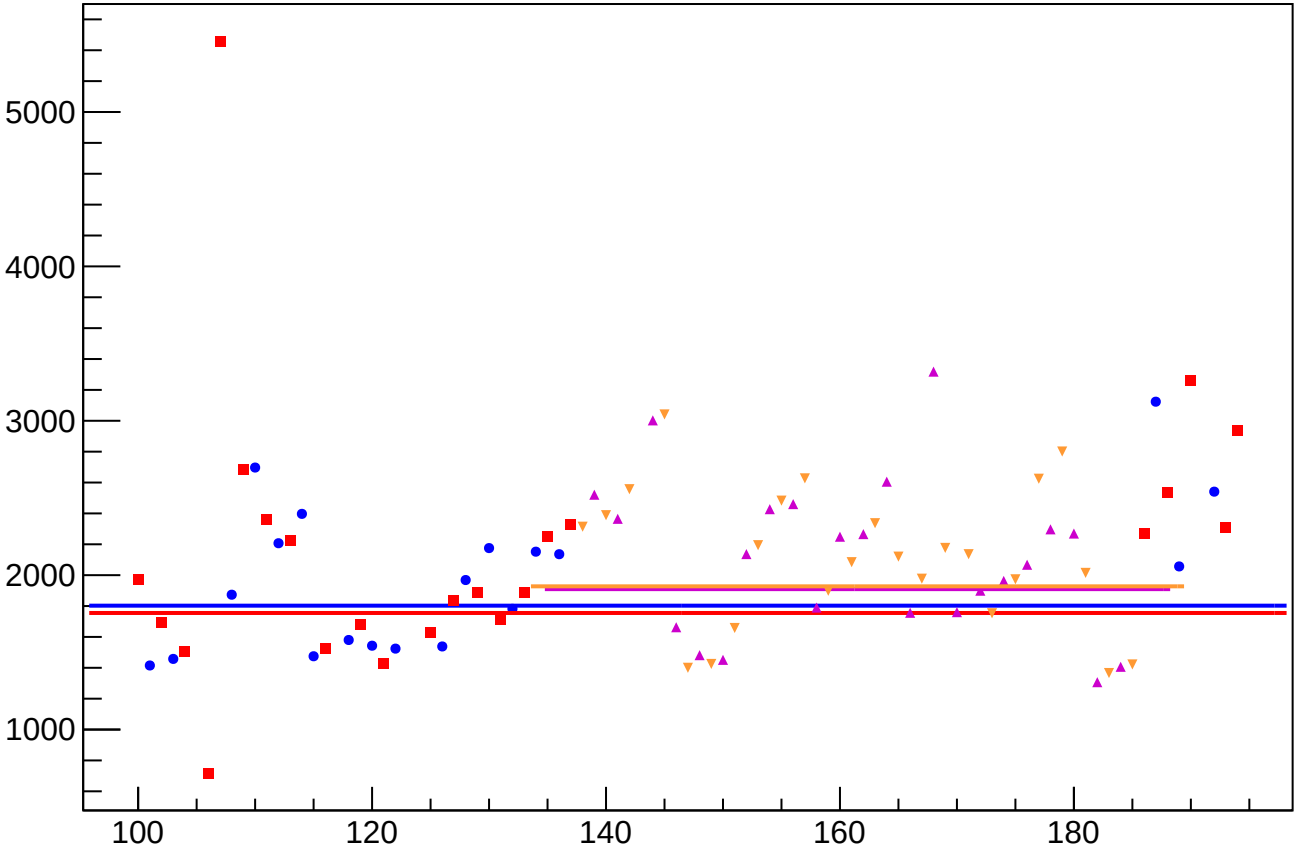
Right: -635.445+/-423.348 χ^2/NDF: 42.2/41

In: -56.947+/-369.902 χ^2/NDF:30.8/41

Out: -729.426+/-361.300 χ^2/NDF:54.5/46

All: -401.096+/-258.465 χ^2/NDF: 87.0/88

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1802.461+/-0.439 χ^2/NDF: 748893.6/18

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1755.099+/-0.409 χ^2/NDF: 2423612.1/22

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

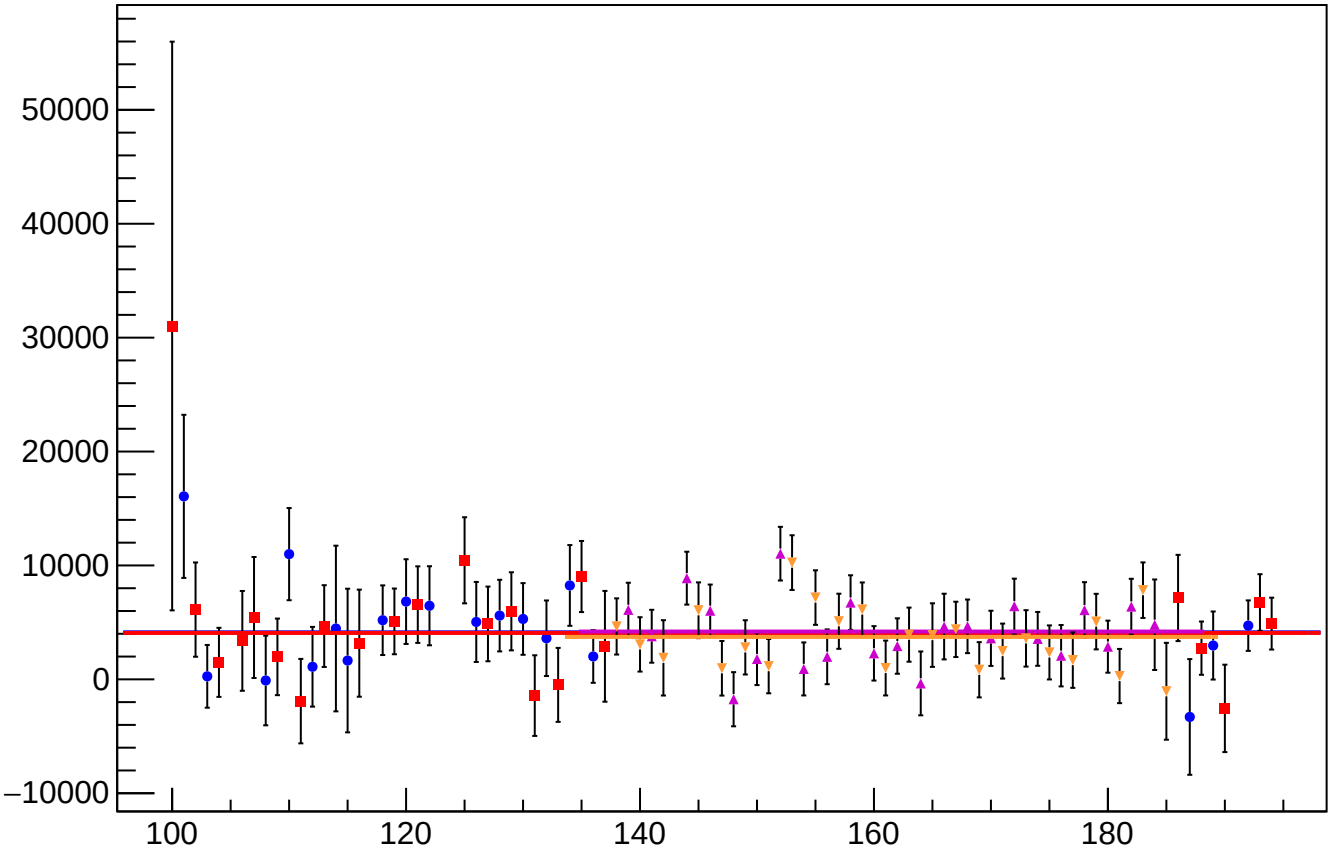
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1777.137+/-0.299 χ^2/NDF: 3178733.6/41

In: 1871.547+/-0.262 χ^2/NDF:2729597.6/41

Out: 1860.459+/-0.255 χ^2/NDF:4330474.9/46

All: 1865.873+/-0.183 χ^2/NDF: 7060992.3/88



Right In: 4125.992+/-776.165 χ^2/NDF: 15.8/18

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4074.836+/-708.477 χ^2/NDF: 21.4/22

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

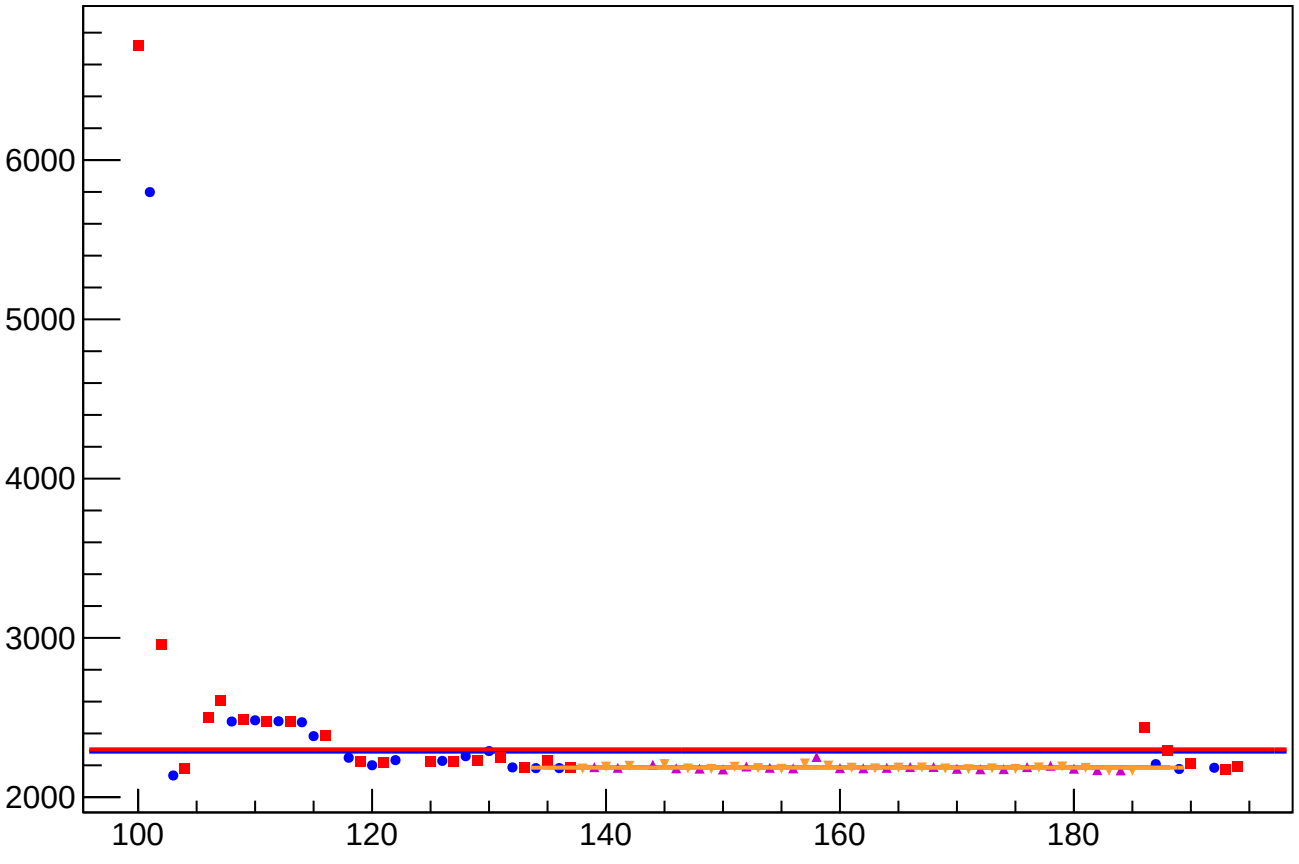
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4098.087+/-523.266 χ^2/NDF: 37.2/41

In: 4174.897+/-426.560 χ^2/NDF:47.9/41

Out: 3842.492+/-412.386 χ^2/NDF:47.0/46

All: 4003.080+/-296.485 χ^2/NDF: 95.2/88



Right In: 2285.937+/-0.549 χ^2/NDF: 521662.9/18

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2300.226+/-0.501 χ^2/NDF: 167489.5/22

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

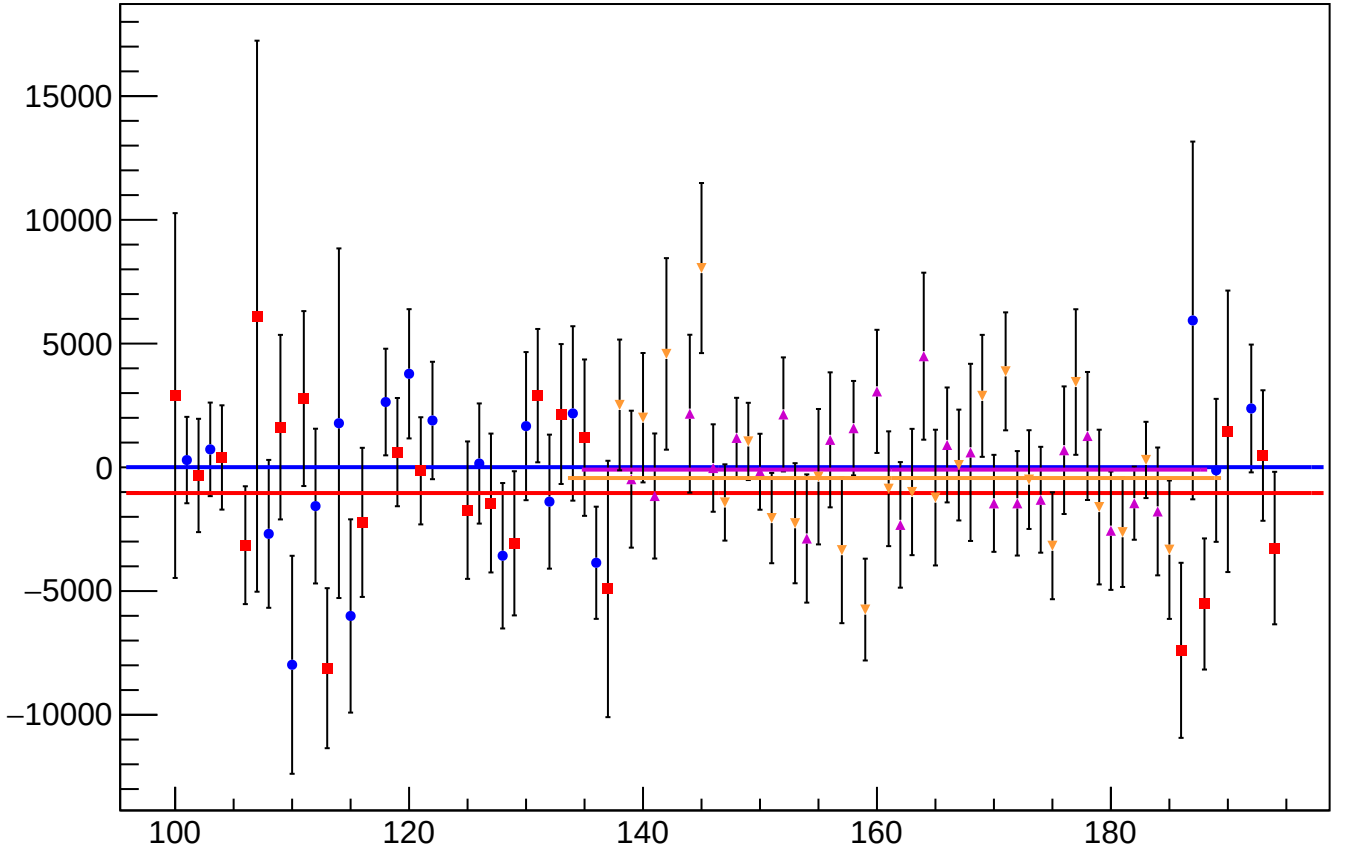
Right: 2293.732+/-0.370 χ^2/NDF: 689522.1/41

In: 2216.704+/-0.302 χ^2/NDF:546525.4/41

Out: 2224.128+/-0.292 χ^2/NDF:203202.9/46

All: 2220.541+/-0.210 χ^2/NDF: 750041.4/88

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 6.825+/-620.507 χ^2/NDF: 18.0/18

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -1038.954+/-611.239 χ^2/NDF: 21.6/22

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

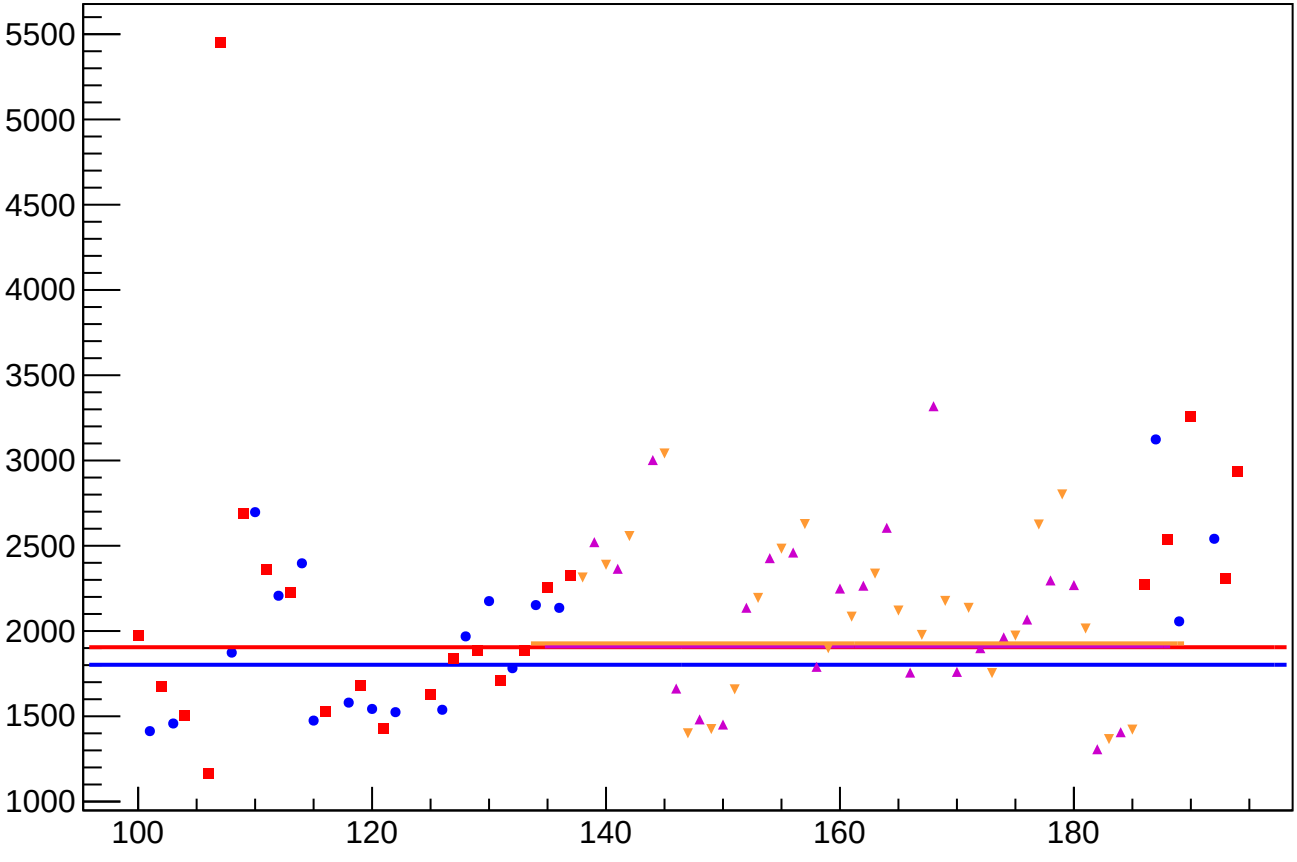
Right: -523.933+/-435.451 χ^2/NDF: 41.1/41

In: -57.274+/-369.879 χ^2/NDF:30.8/41

Out: -653.115+/-368.758 χ^2/NDF:53.5/46

All: -356.099+/-261.147 χ^2/NDF: 85.6/88

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1802.090+/-0.439 χ^2/NDF: 750129.1/18

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1905.039+/-0.432 χ^2/NDF: 1367412.3/22

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

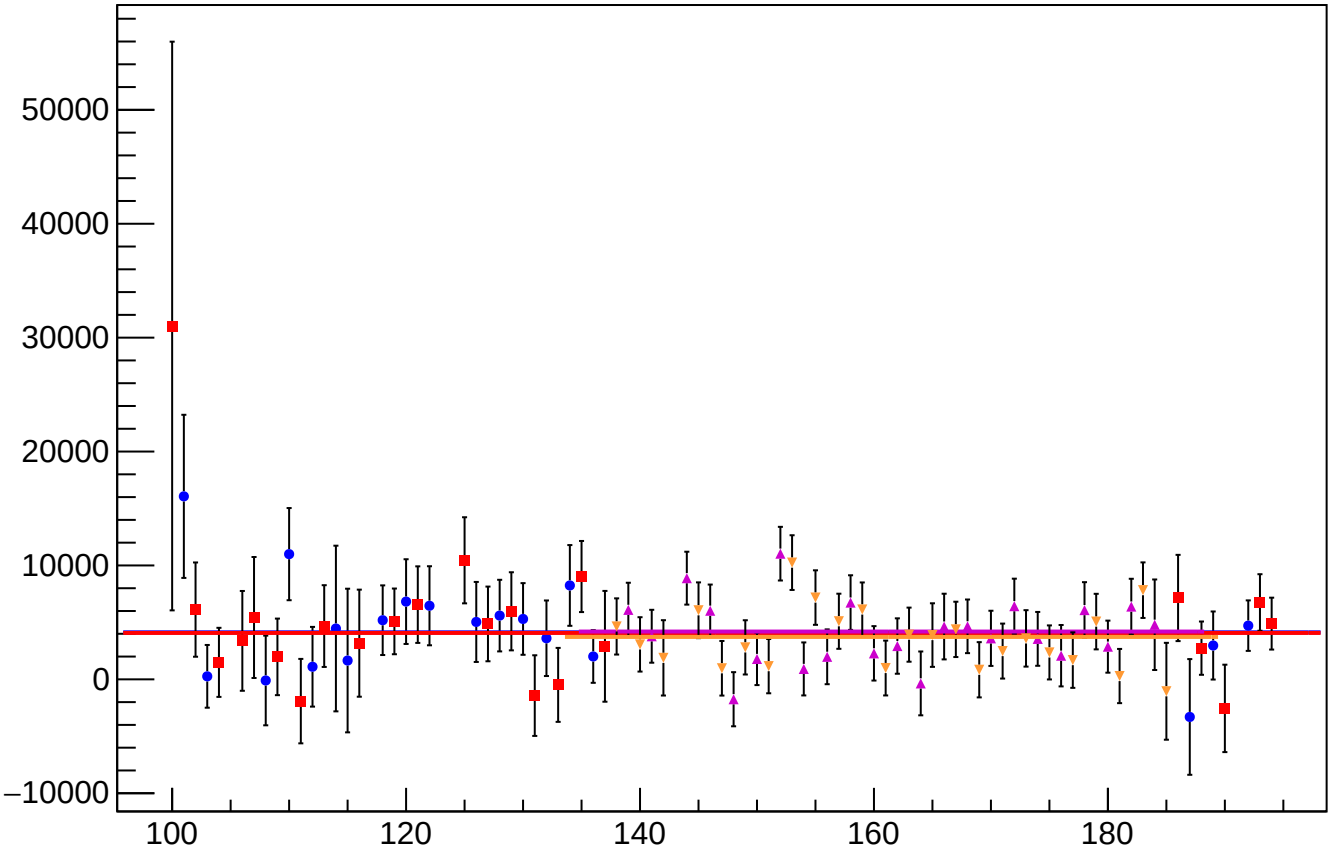
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1854.339+/-0.308 χ^2/NDF: 2145482.2/41

In: 1871.410+/-0.262 χ^2/NDF:2731134.8/41

Out: 1919.426+/-0.261 χ^2/NDF:3167561.6/46

All: 1895.491+/-0.185 χ^2/NDF: 5915599.4/88



Right In: 4125.992+/-776.165 χ^2/NDF: 15.8/18

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4074.836+/-708.477 χ^2/NDF: 21.4/22

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

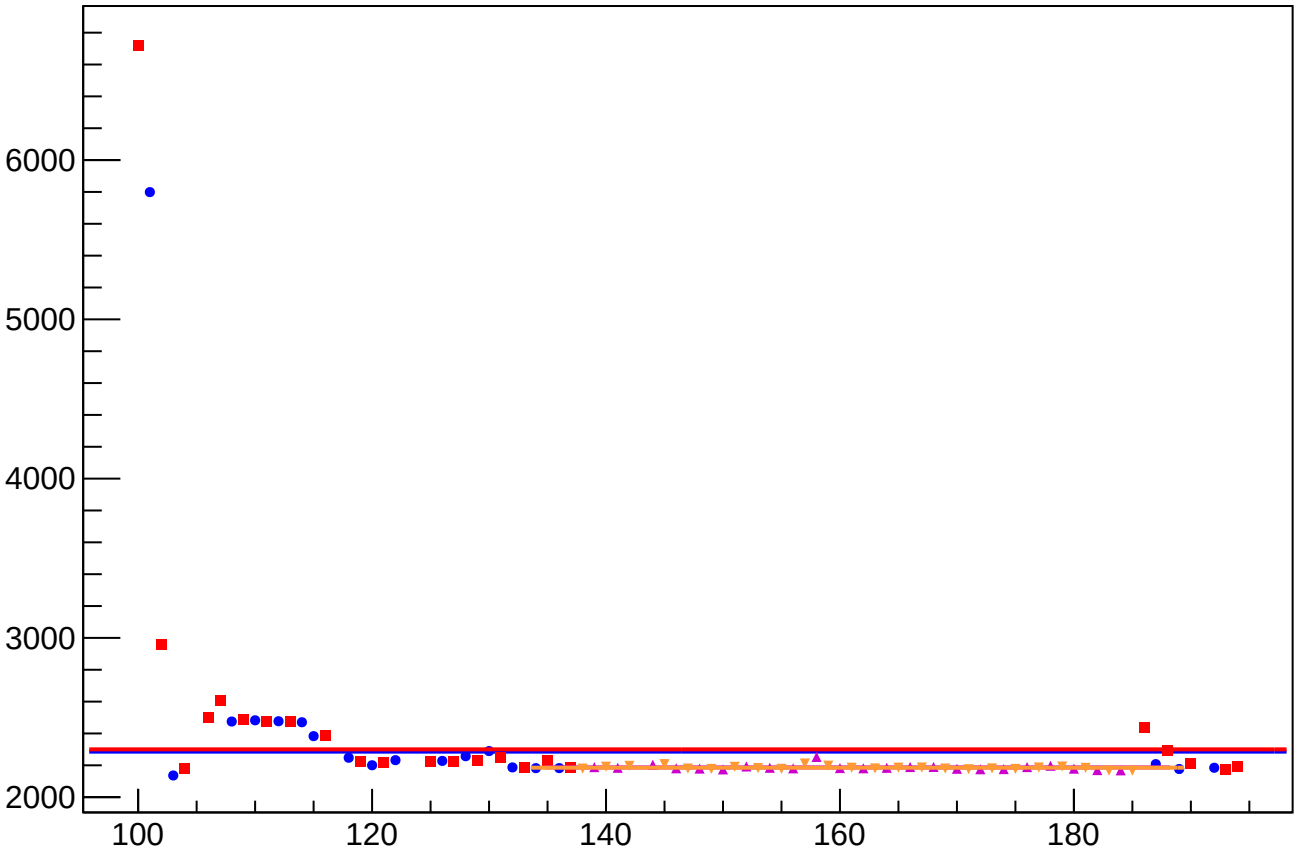
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4098.087+/-523.266 χ^2/NDF: 37.2/41

In: 4174.897+/-426.560 χ^2/NDF:47.9/41

Out: 3842.492+/-412.386 χ^2/NDF:47.0/46

All: 4003.080+/-296.485 χ^2/NDF: 95.2/88



Right In: 2285.937+/-0.549 χ^2/NDF: 521662.9/18

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2300.226+/-0.501 χ^2/NDF: 167489.5/22

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

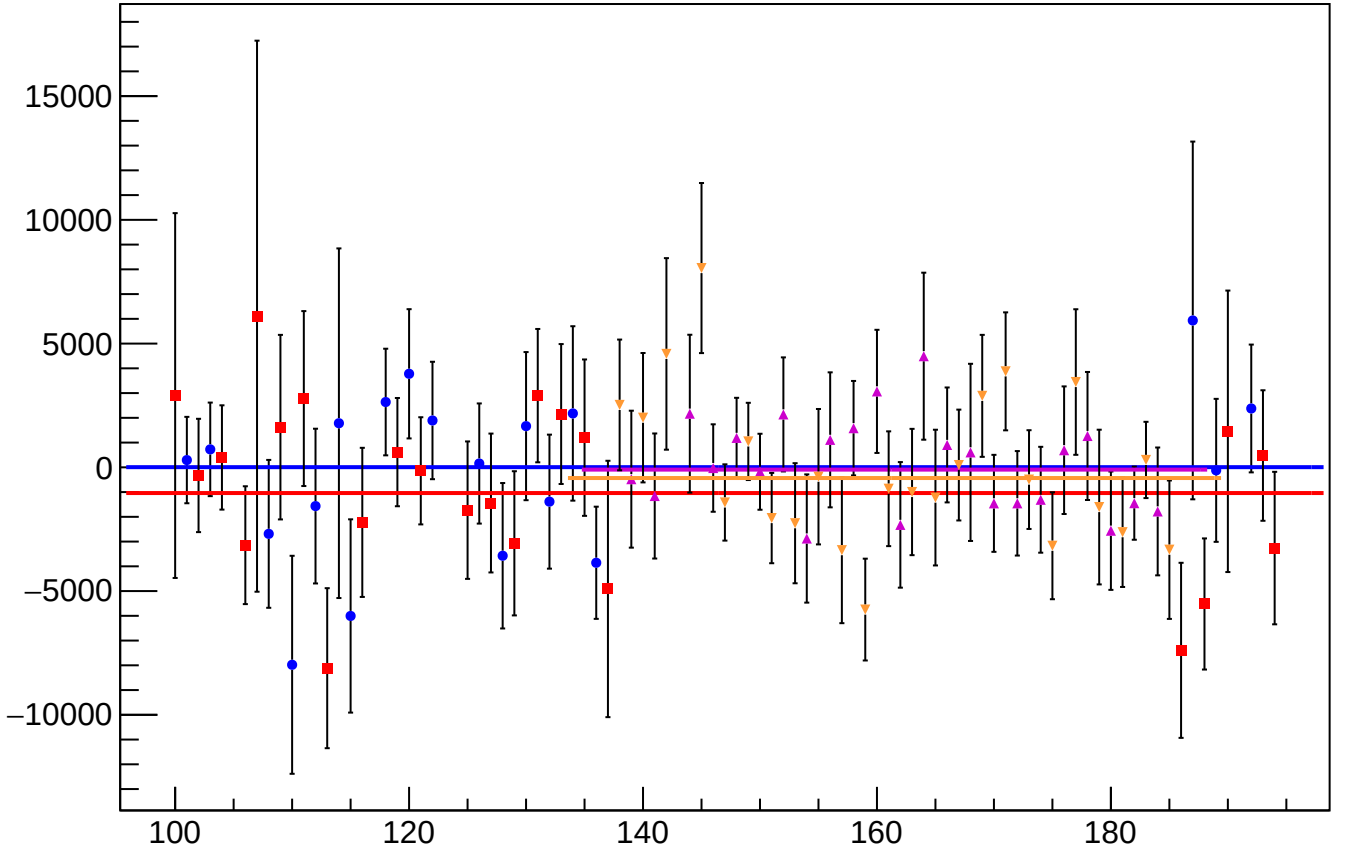
Right: 2293.732+/-0.370 χ^2/NDF: 689522.1/41

In: 2216.704+/-0.302 χ^2/NDF:546525.4/41

Out: 2224.128+/-0.292 χ^2/NDF:203202.9/46

All: 2220.541+/-0.210 χ^2/NDF: 750041.4/88

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 6.825+/-620.507 χ^2/NDF: 18.0/18

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -1038.954+/-611.239 χ^2/NDF: 21.6/22

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

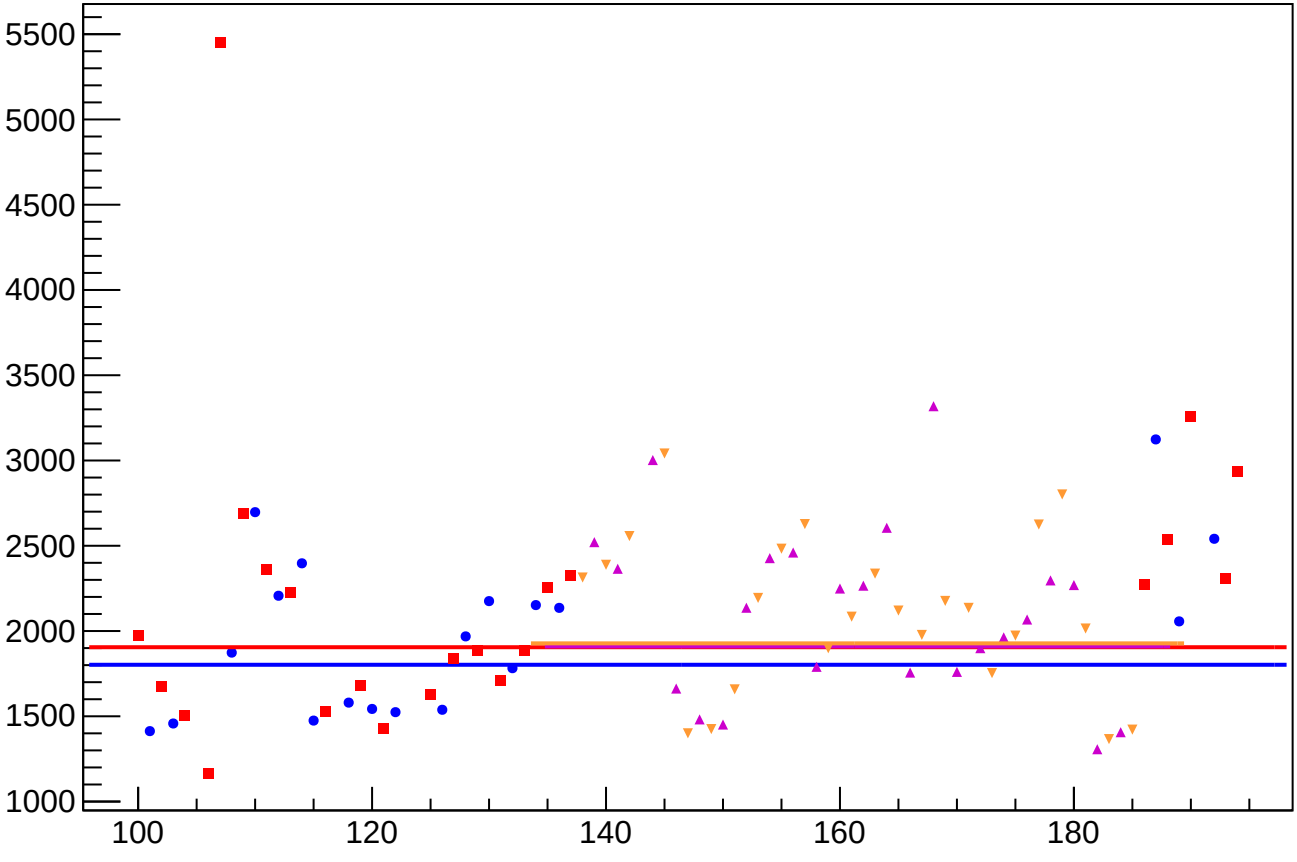
Right: -523.933+/-435.451 χ^2/NDF: 41.1/41

In: -57.274+/-369.879 χ^2/NDF:30.8/41

Out: -653.115+/-368.758 χ^2/NDF:53.5/46

All: -356.099+/-261.147 χ^2/NDF: 85.6/88

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1802.090+/-0.439 χ^2/NDF: 750129.1/18

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1905.039+/-0.432 χ^2/NDF: 1367412.3/22

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

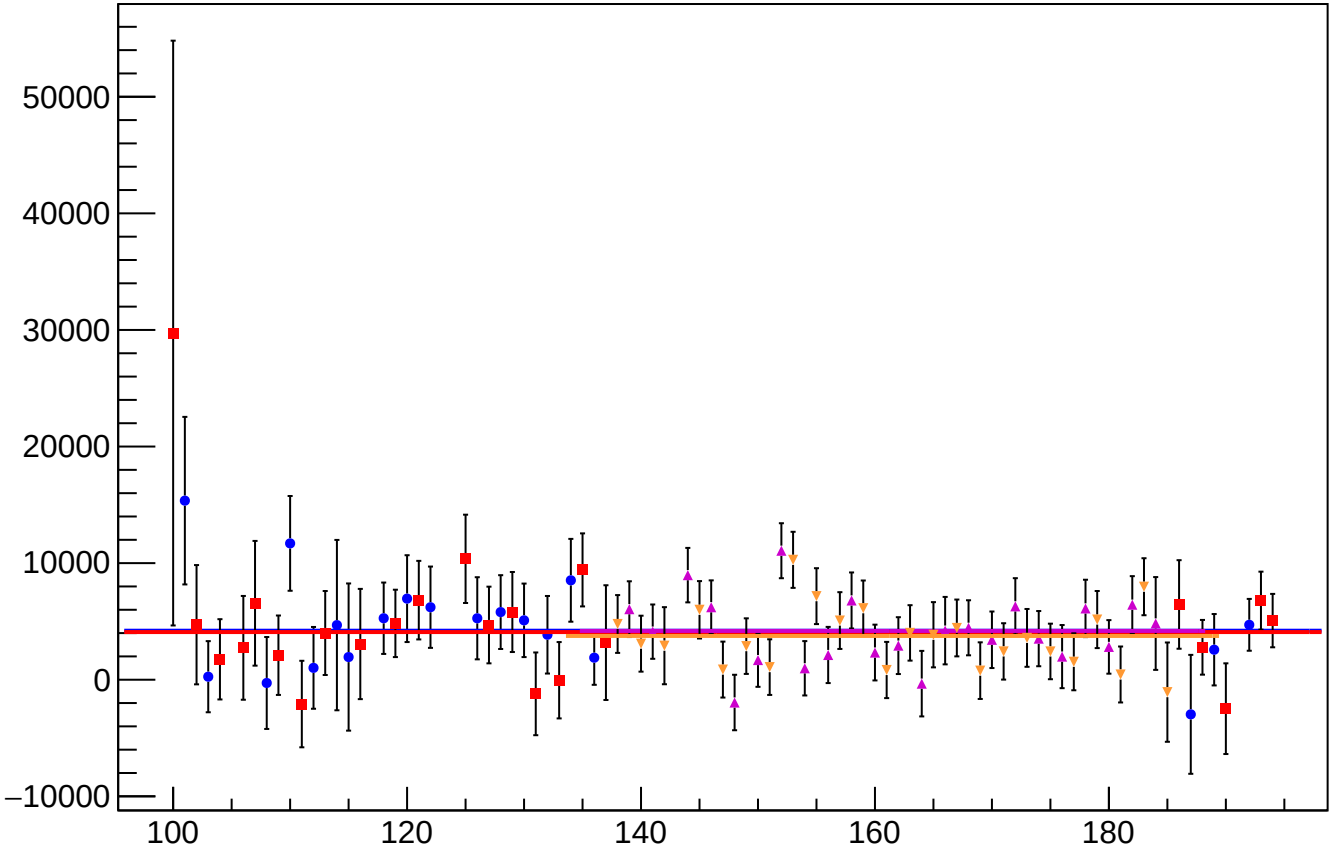
Right: 1854.339+/-0.308 χ^2/NDF: 2145482.2/41

In: 1871.410+/-0.262 χ^2/NDF:2731134.8/41

Out: 1919.426+/-0.261 χ^2/NDF:3167561.6/46

All: 1895.491+/-0.185 χ^2/NDF: 5915599.4/88

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4203.622+/-785.393 χ^2/NDF: 16.0/18

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: 4088.093+/-719.669 χ^2/NDF: 20.4/22

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

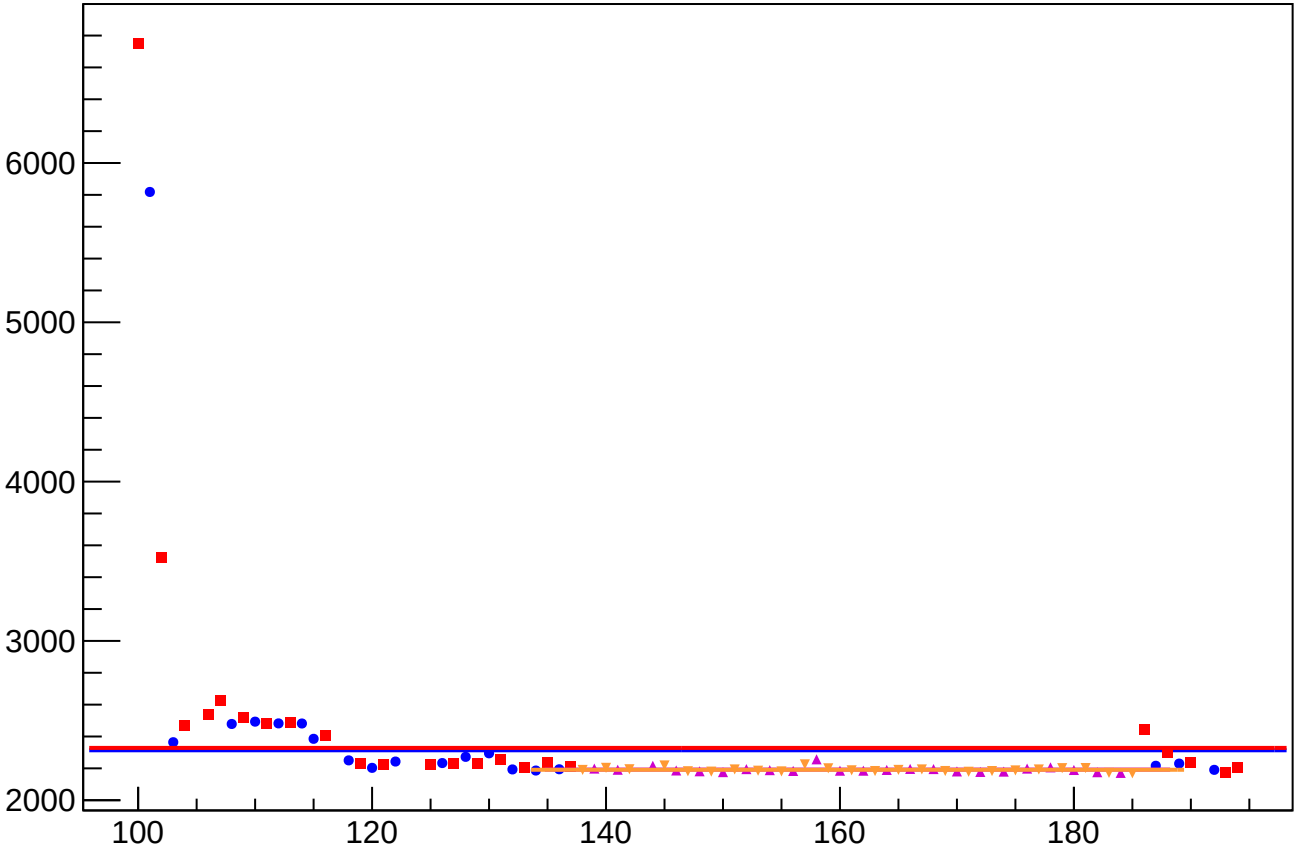
Right: 4140.822+/-530.600 χ^2/NDF: 36.4/41

In: 4190.000+/-428.830 χ^2/NDF:48.6/41

Out: 3865.316+/-415.330 χ^2/NDF:46.2/46

All: 4022.467+/-298.341 χ^2/NDF: 95.1/88

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2313.467+/-0.555 χ^2/NDF: 513395.1/18

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2328.437+/-0.509 χ^2/NDF: 231086.0/22

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

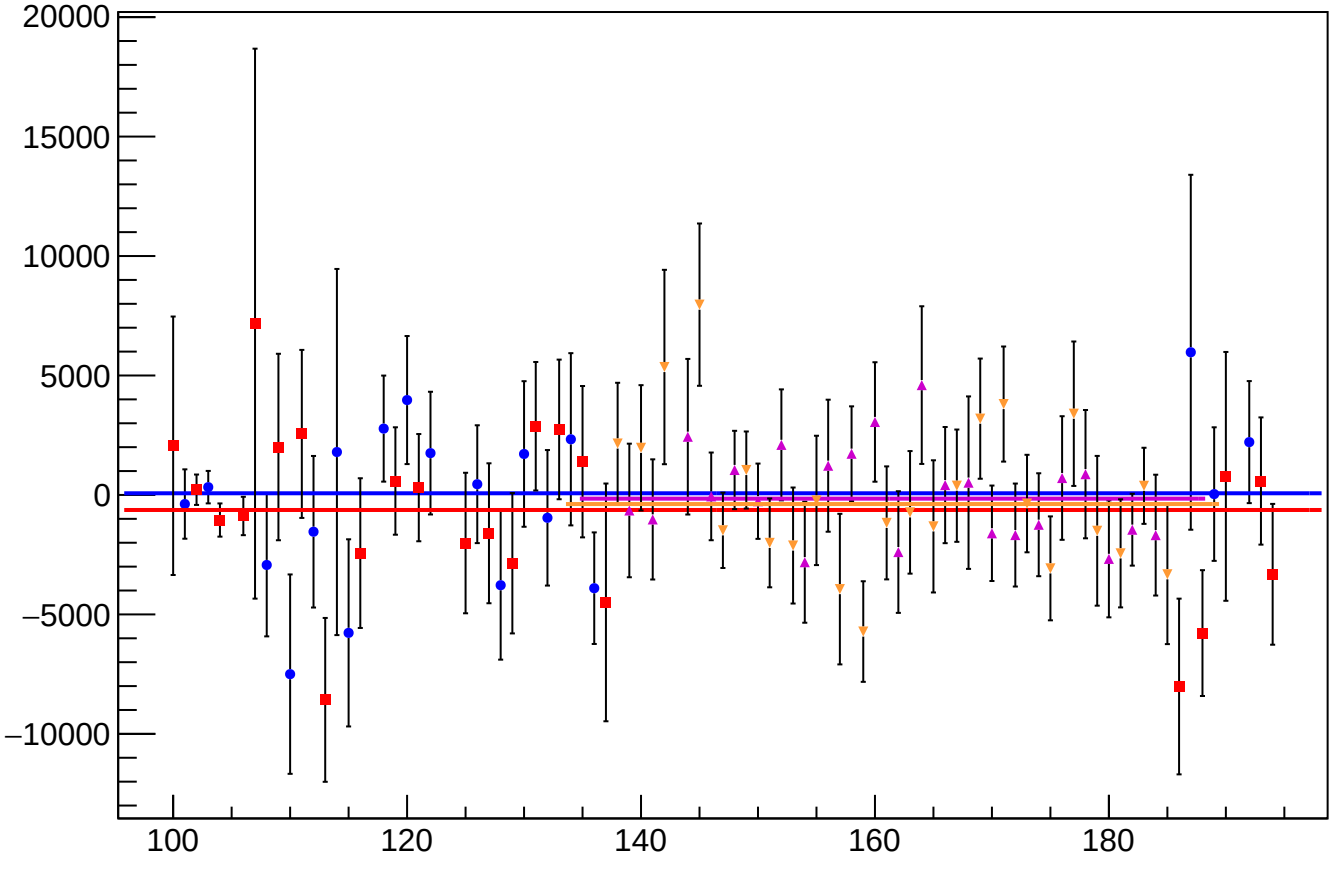
Right: 2321.605+/-0.375 χ^2/NDF: 744876.1/41

In: 2228.353+/-0.303 χ^2/NDF:549142.3/41

Out: 2236.873+/-0.294 χ^2/NDF:280858.9/46

All: 2232.749+/-0.211 χ^2/NDF: 830408.5/88

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 70.138+/-469.070 χ^2/NDF: 17.7/18

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

Right Out: -629.211+/-350.969 χ^2/NDF: 24.3/22

Left In: -154.512+/-467.999 χ^2/NDF:12.8/22

Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

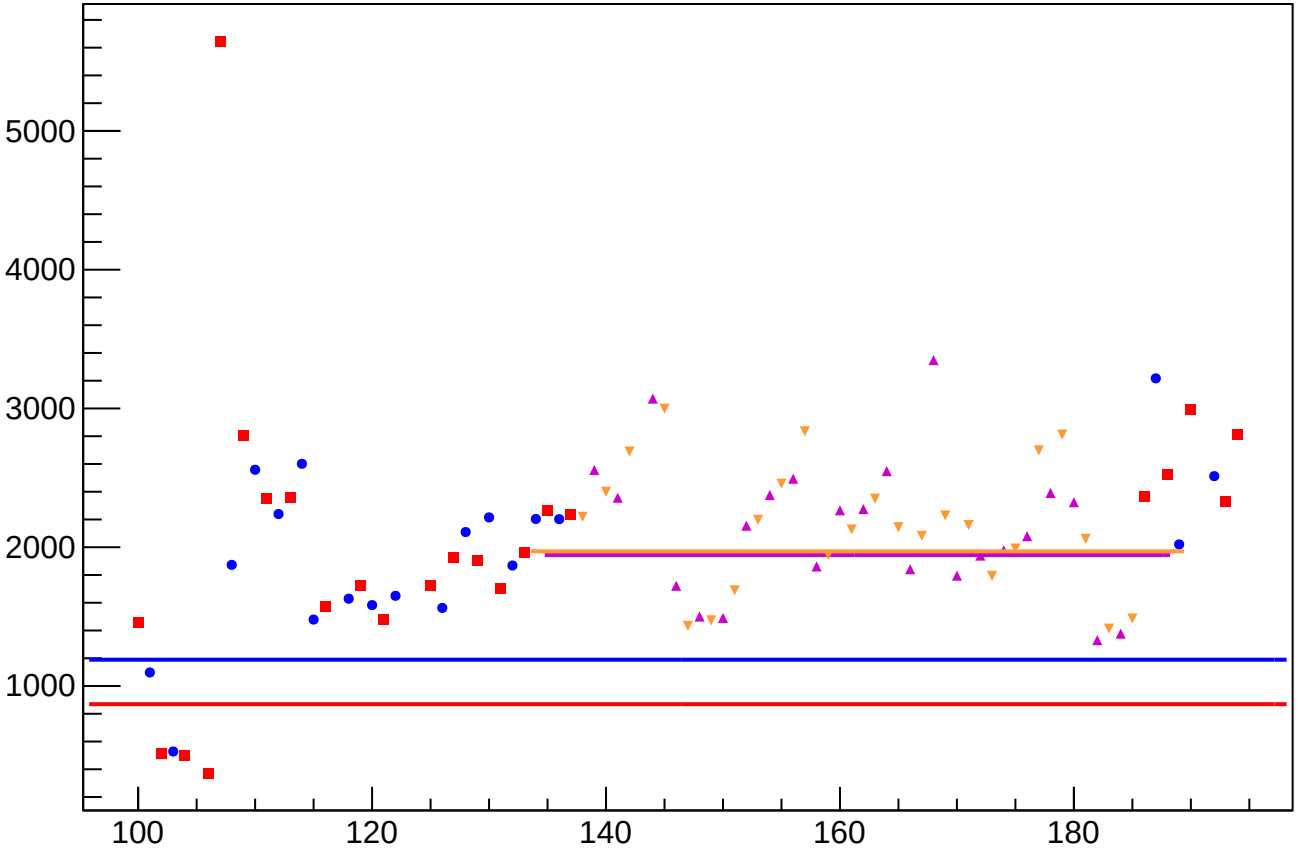
Right: -378.209+/-281.014 χ^2/NDF: 43.4/41

In: -42.443+/-331.303 χ^2/NDF:30.6/41

Out: -540.528+/-281.530 χ^2/NDF:55.3/46

All: -331.674+/-214.534 χ^2/NDF: 87.2/88

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1189.610+/-0.332 χ^2/NDF: 4665029.5/18

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

Right Out: 869.016+/-0.248 χ^2/NDF: 8715122.0/22

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

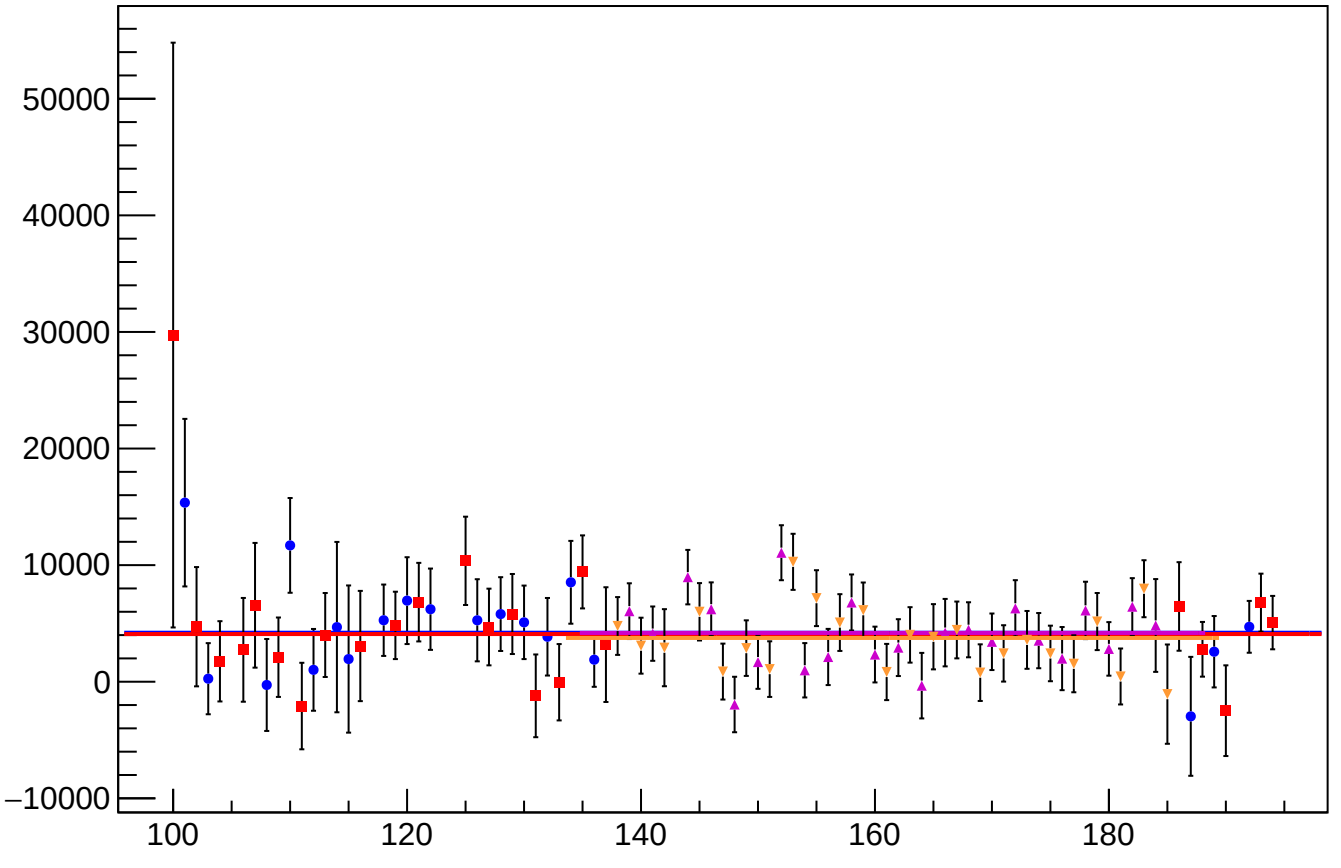
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 984.080+/-0.199 χ^2/NDF: 13979093.7/41

In: 1567.480+/-0.234 χ^2/NDF:9137844.3/41

Out: 1261.807+/-0.199 χ^2/NDF:17437557.0/46

All: 1389.980+/-0.152 χ^2/NDF: 27564029.0/8



Right In: 4203.619+/-785.393 χ^2/NDF: 16.0/18

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: 4088.088+/-719.669 χ^2/NDF: 20.4/22

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

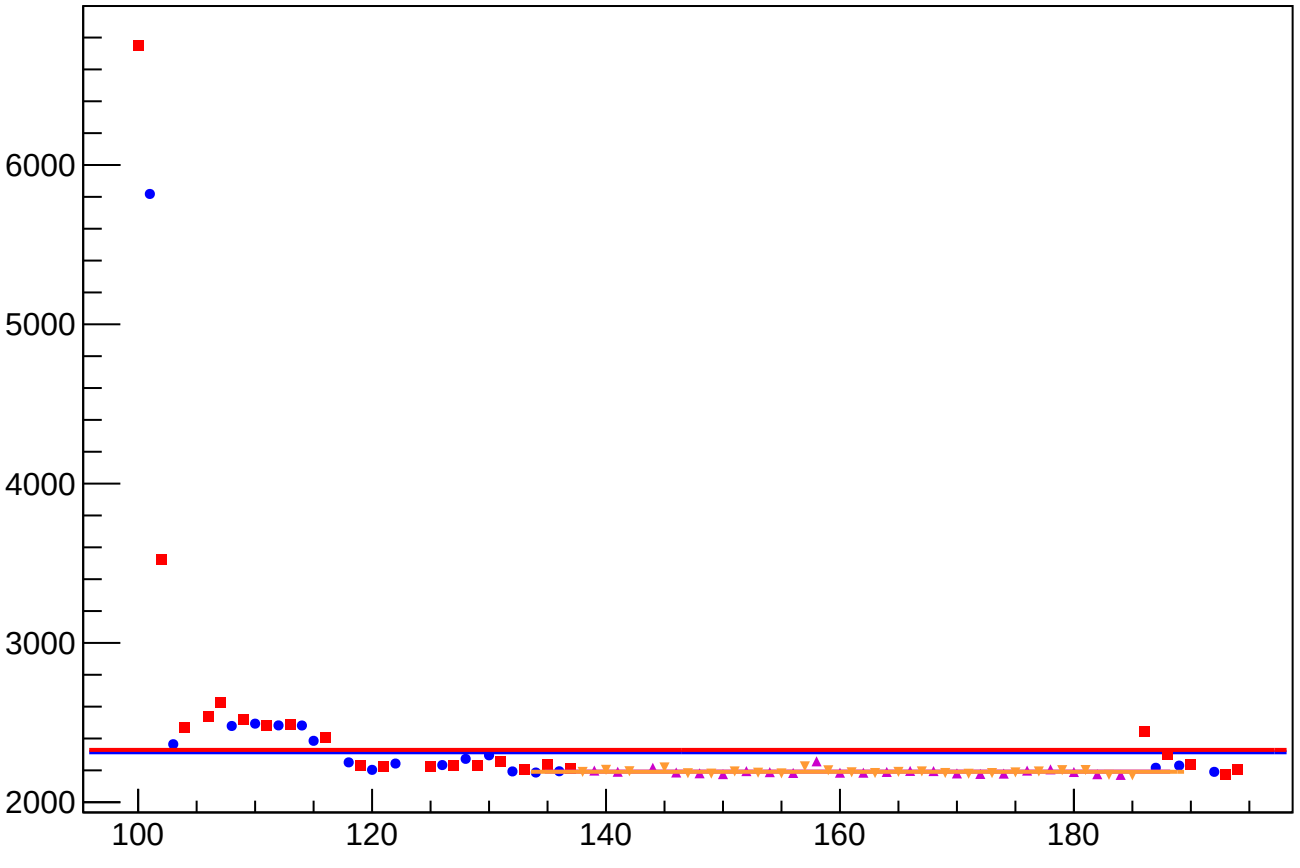
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4140.818+/-530.599 χ^2/NDF: 36.4/41

In: 4189.999+/-428.830 χ^2/NDF:48.6/41

Out: 3865.313+/-415.330 χ^2/NDF:46.2/46

All: 4022.465+/-298.341 χ^2/NDF: 95.1/88



Right In: 2313.467+/-0.555 χ^2/NDF: 513395.1/18

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2328.437+/-0.509 χ^2/NDF: 231084.8/22

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

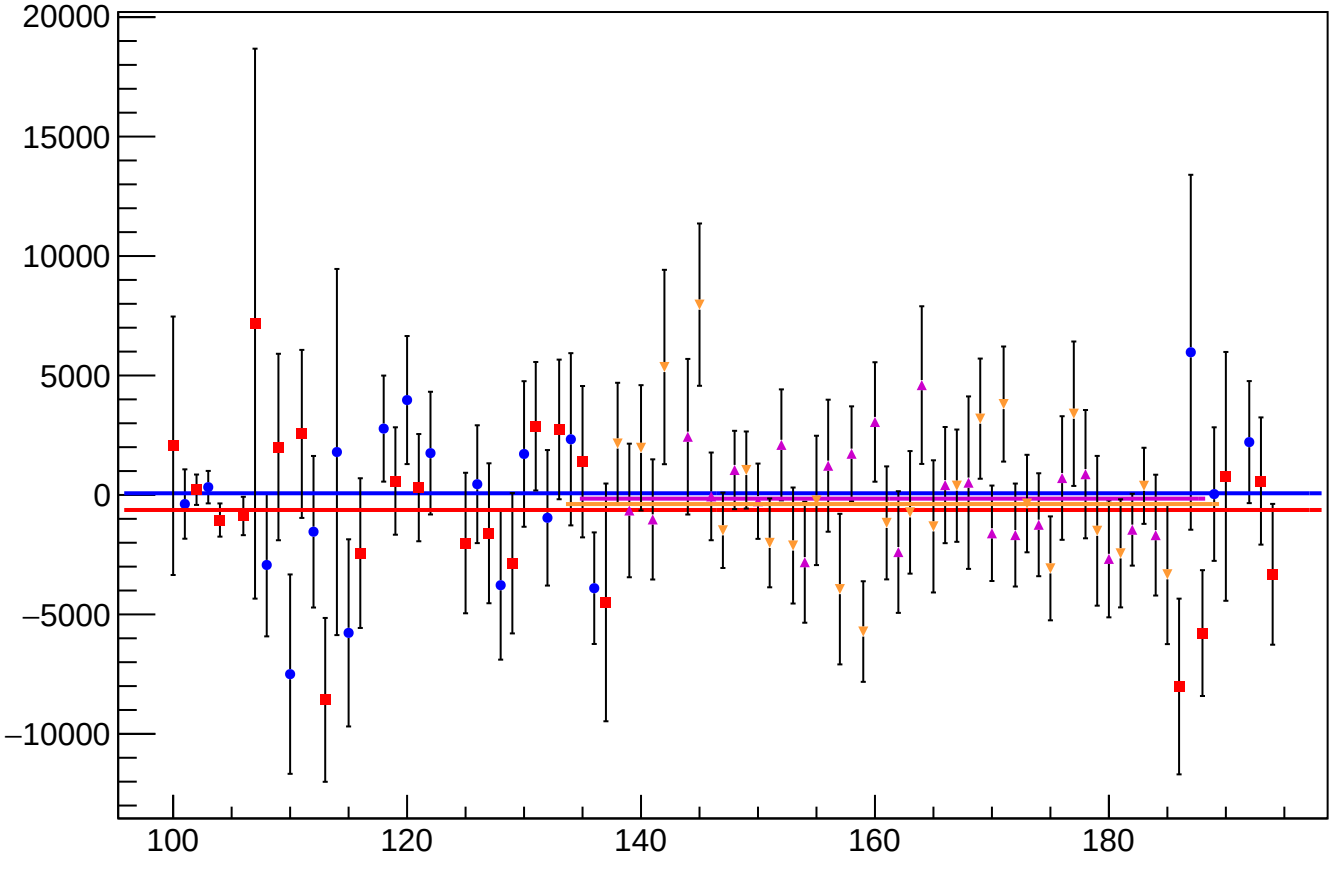
Right: 2321.604+/-0.375 χ^2/NDF: 744874.9/41

In: 2228.353+/-0.303 χ^2/NDF:549142.1/41

Out: 2236.873+/-0.294 χ^2/NDF:280857.5/46

All: 2232.749+/-0.211 χ^2/NDF: 830406.8/88

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 70.133+/-469.072 χ^2/NDF: 17.7/18

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

Right Out: -629.218+/-350.973 χ^2/NDF: 24.3/22

Left In: -154.512+/-468.000 χ^2/NDF:12.8/22

Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

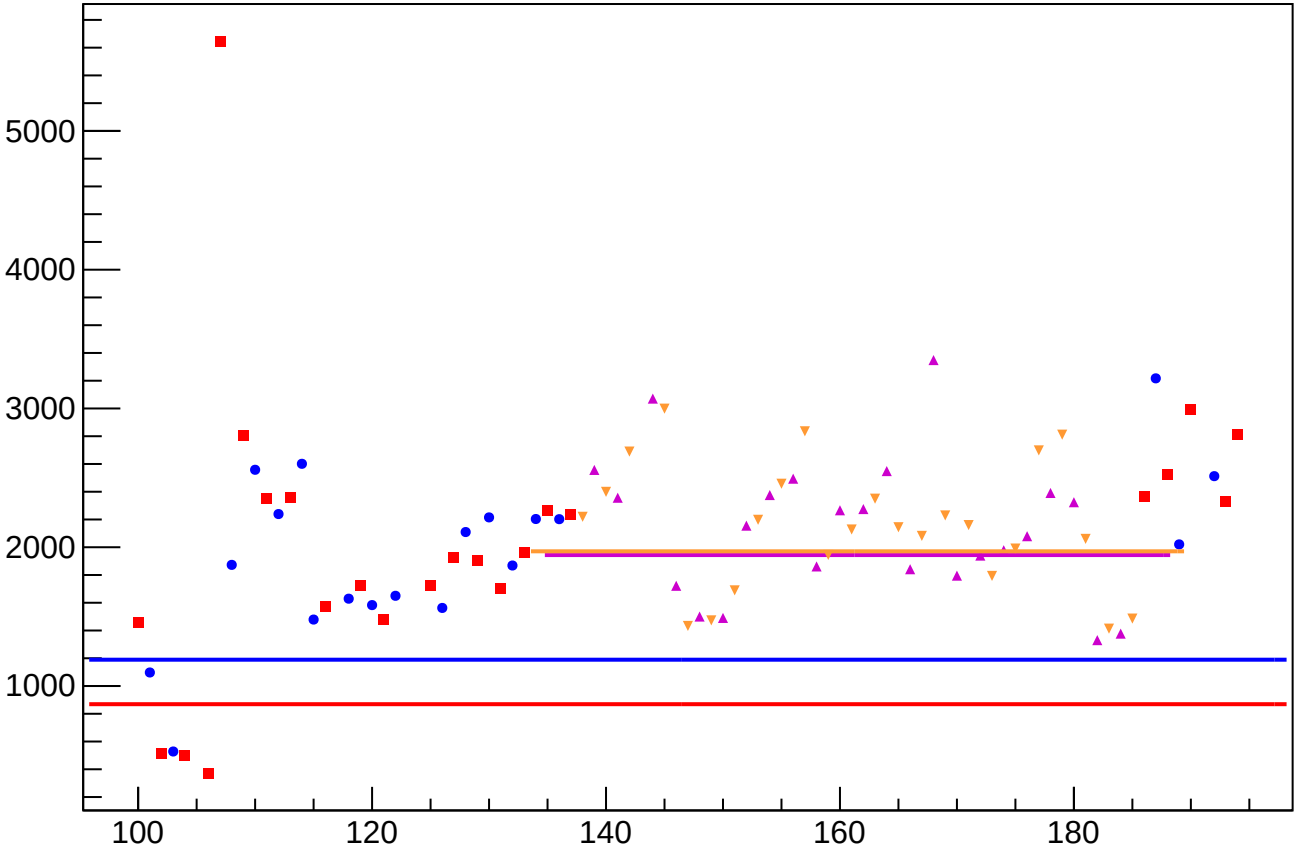
Right: -378.214+/-281.017 χ^2/NDF: 43.4/41

In: -42.446+/-331.304 χ^2/NDF:30.6/41

Out: -540.533+/-281.533 χ^2/NDF:55.3/46

All: -331.677+/-214.535 χ^2/NDF: 87.2/88

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1189.620+/-0.332 χ^2/NDF: 4664941.1/18

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 869.033+/-0.248 χ^2/NDF: 8714949.3/22

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

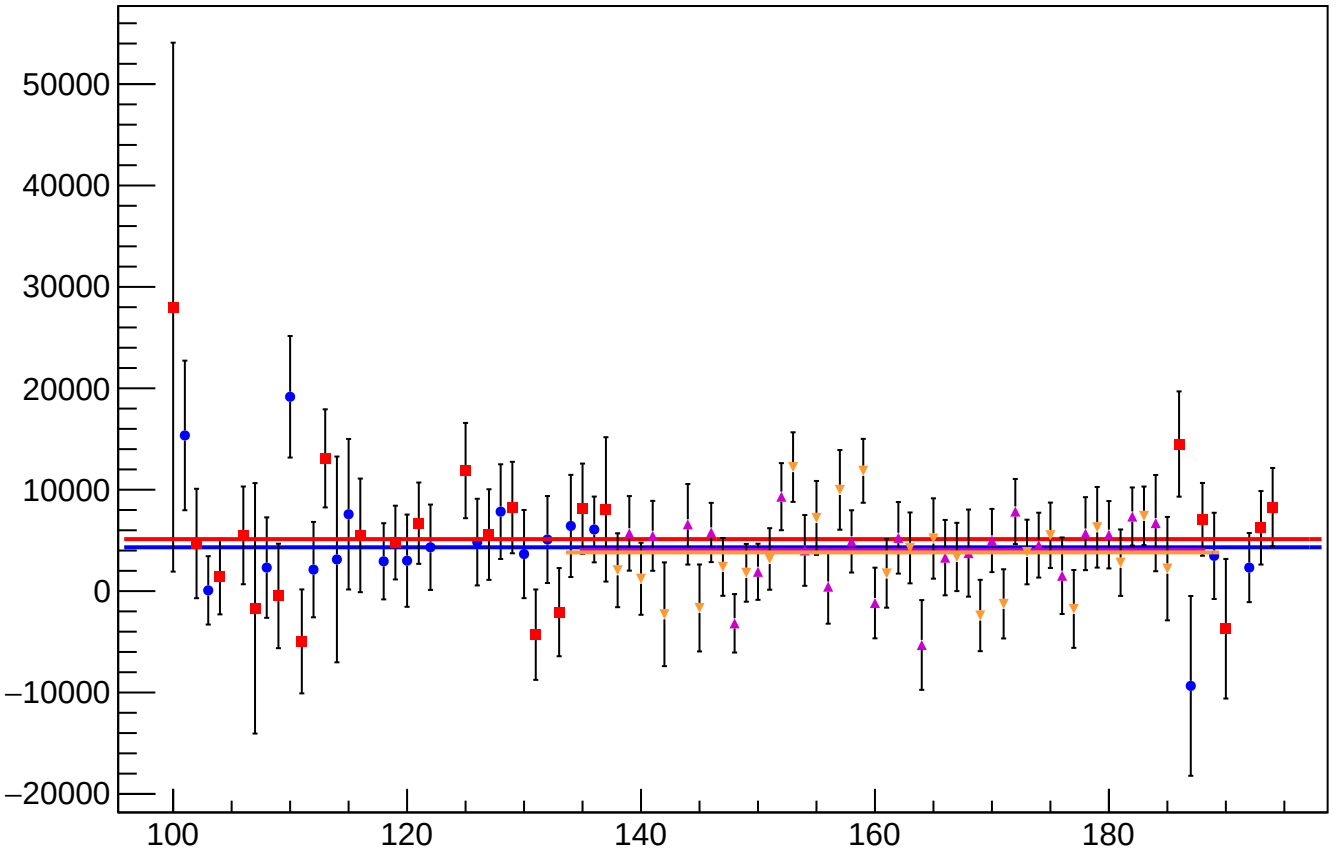
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 984.095+/-0.199 χ^2/NDF: 13978798.0/41

In: 1567.488+/-0.234 χ^2/NDF:9137692.4/41

Out: 1261.825+/-0.199 χ^2/NDF:17437136.4/46

All: 1389.995+/-0.152 χ^2/NDF: 27563384.5/8



Right In: 4320.790+/-1042.449 χ^2/NDF: 14.6/18

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: 5127.180+/-979.446 χ^2/NDF: 26.4/22

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

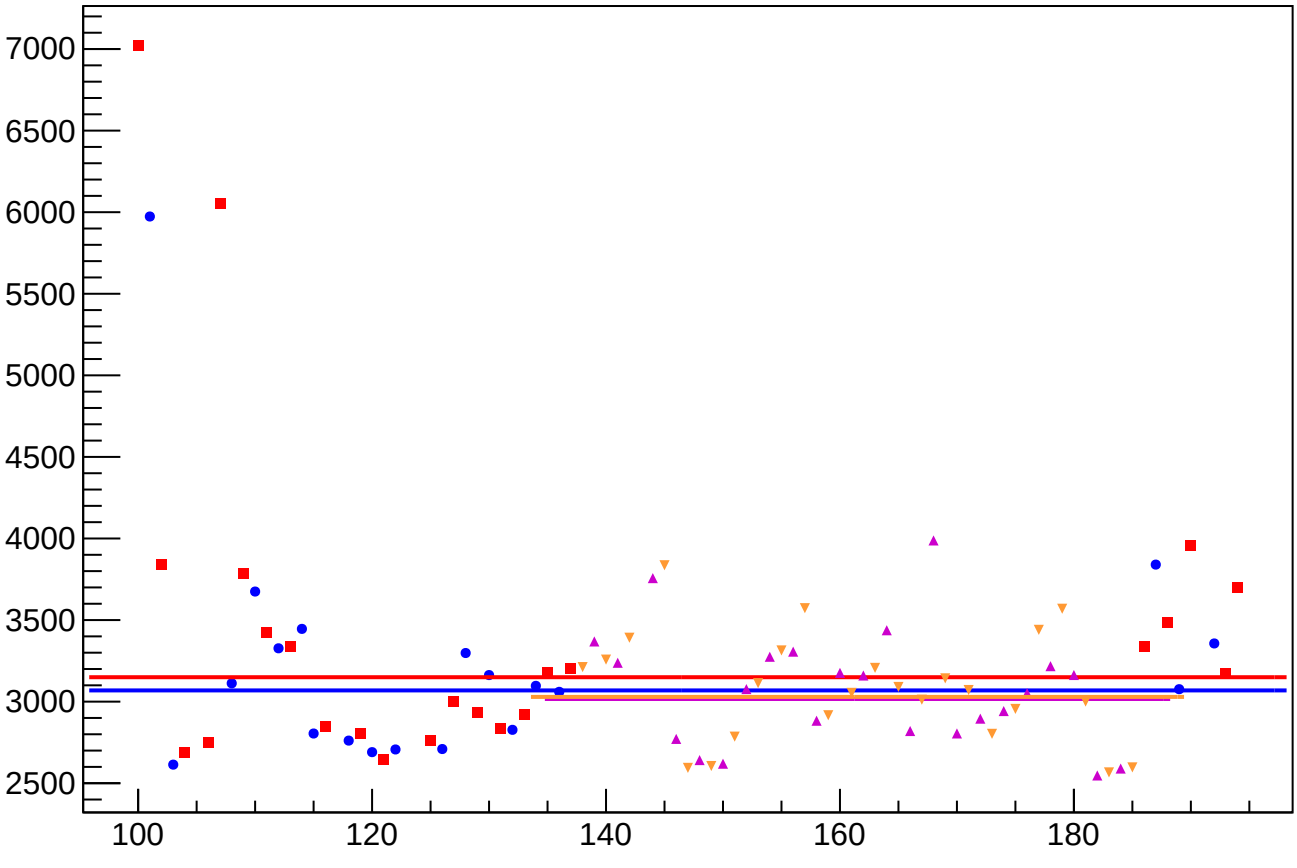
Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

Right: 4749.088+/-713.807 χ^2/NDF: 41.3/41

In: 4130.560+/-586.579 χ^2/NDF:37.2/41

Out: 4267.457+/-573.954 χ^2/NDF:58.4/46

All: 4200.498+/-410.238 χ^2/NDF: 95.6/88



Right In: 3068.785+/-0.737 χ^2/NDF: 476321.2/18

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

Right Out: 3149.717+/-0.693 χ^2/NDF: 450856.5/22

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

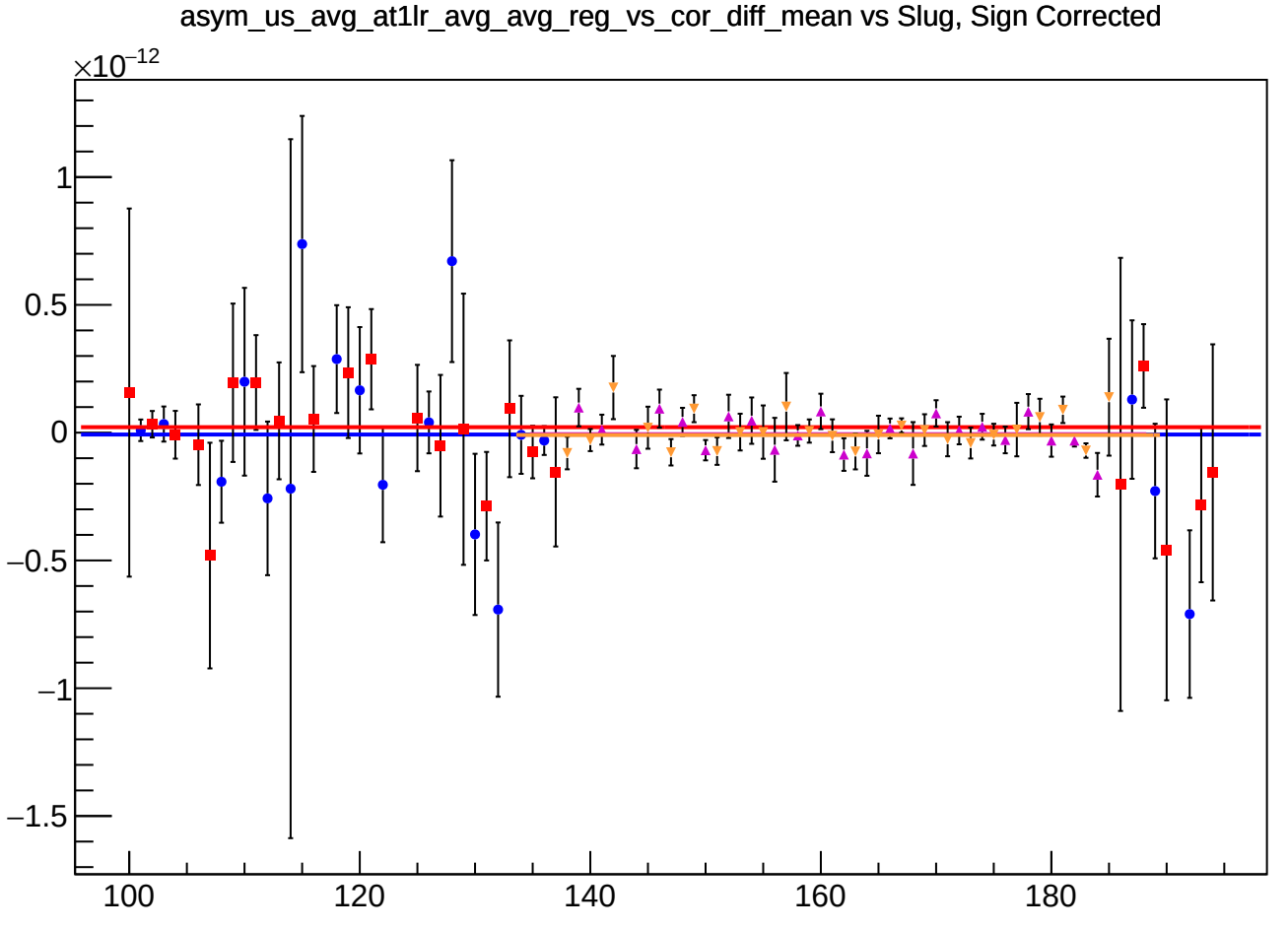
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

Right: 3111.770+/-0.505 χ^2/NDF: 933580.5/41

In: 3032.885+/-0.415 χ^2/NDF:919690.0/41

Out: 3070.443+/-0.406 χ^2/NDF:867921.8/46

All: 3052.072+/-0.290 χ^2/NDF: 1791800.6/88



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/22

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

Left: -0.000+/-0.000 χ^2/NDF: 47.5/46

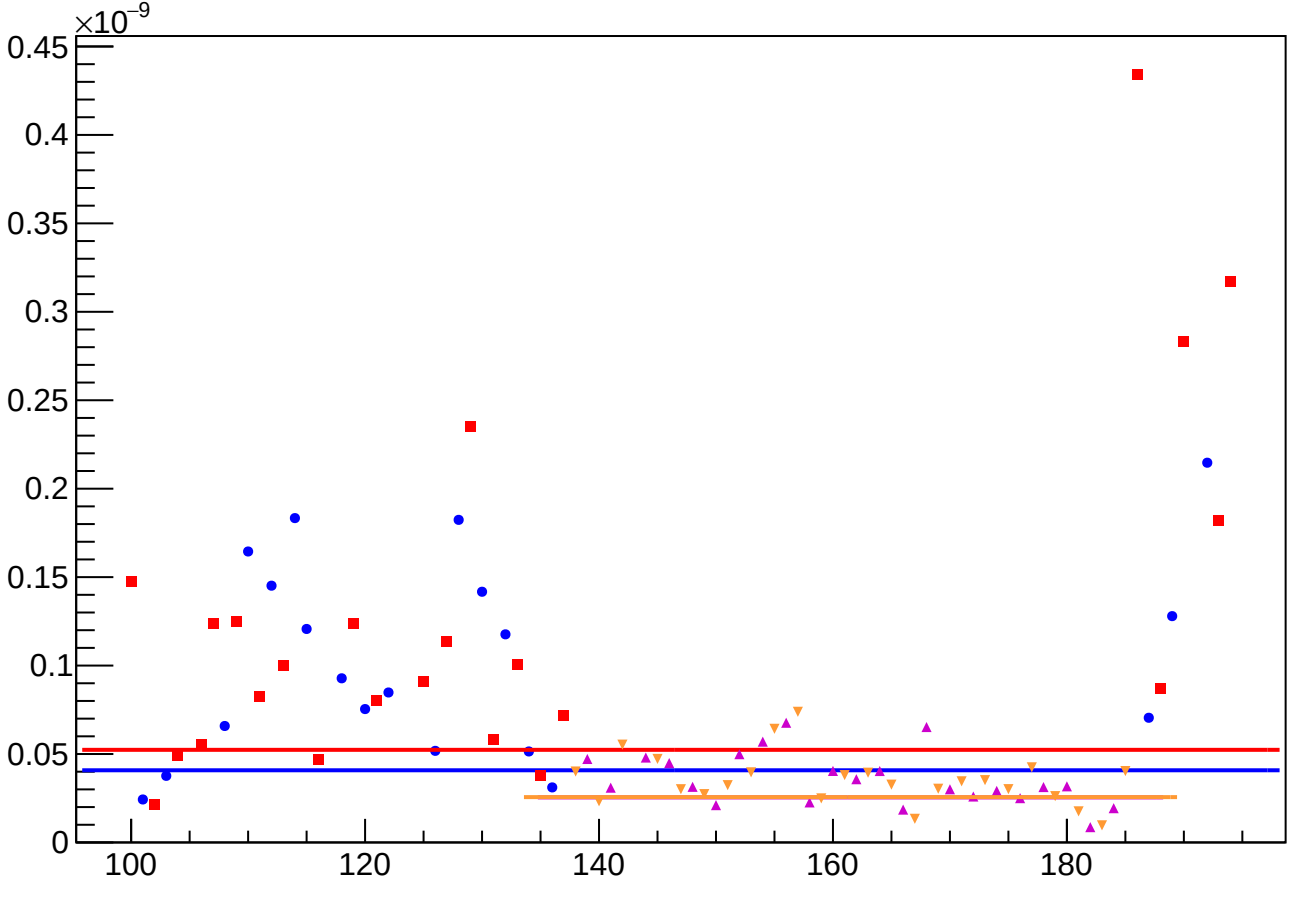
Right: 0.000+/-0.000 χ^2/NDF: 36.1/41

In: -0.000+/-0.000 χ^2/NDF:45.9/41

Out: -0.000+/-0.000 χ^2/NDF:37.9/46

All: -0.000+/-0.000 χ^2/NDF: 83.9/88

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2586655.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3450370.6/22

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5248211.8/46

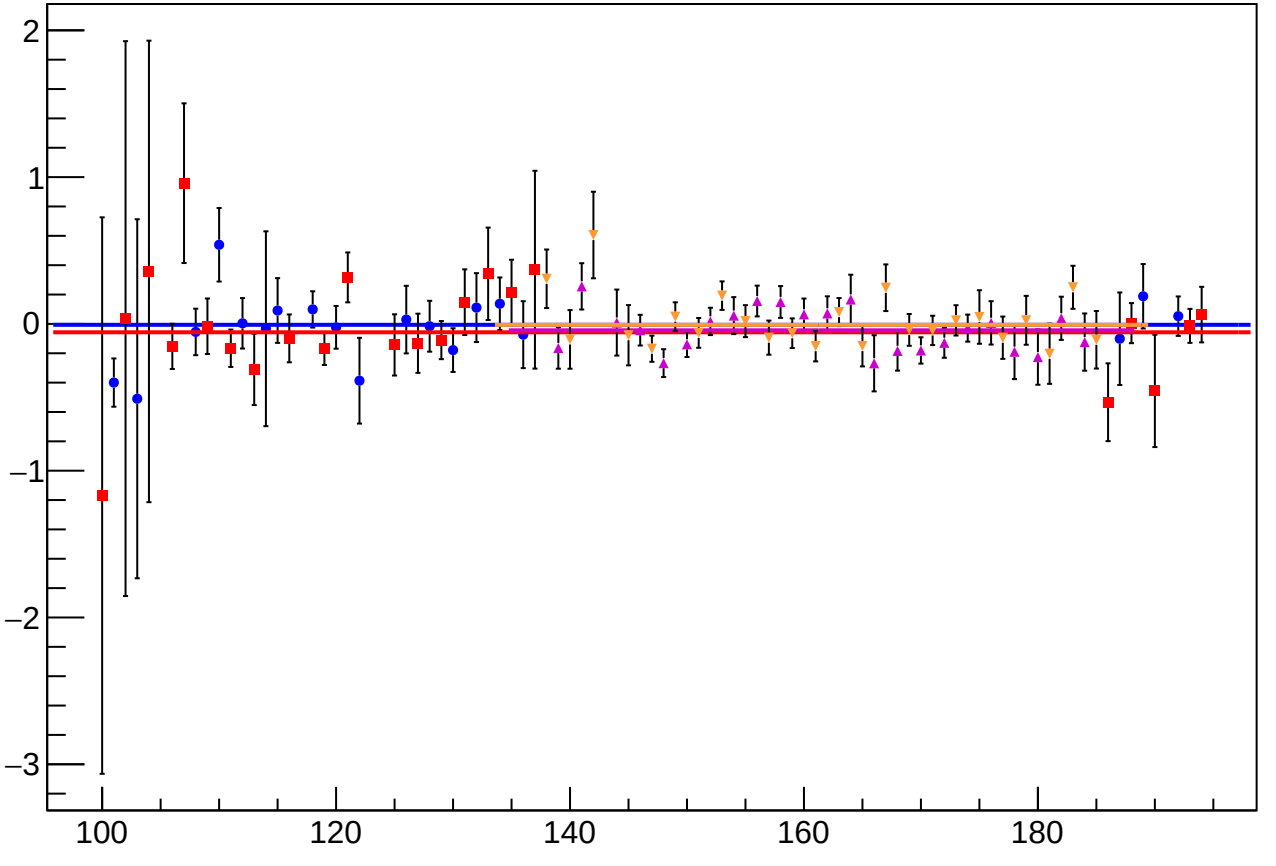
Right: 0.000+/-0.000 χ^2/NDF: 6182258.2/41

In: 0.000+/-0.000 χ^2/NDF:5949110.8/41

Out: 0.000+/-0.000 χ^2/NDF:7042492.7/46

All: 0.000+/-0.000 χ^2/NDF: 12994780.8/88

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.044 χ^2/NDF: 16.8/18

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.057+/-0.039 χ^2/NDF: 21.9/22

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

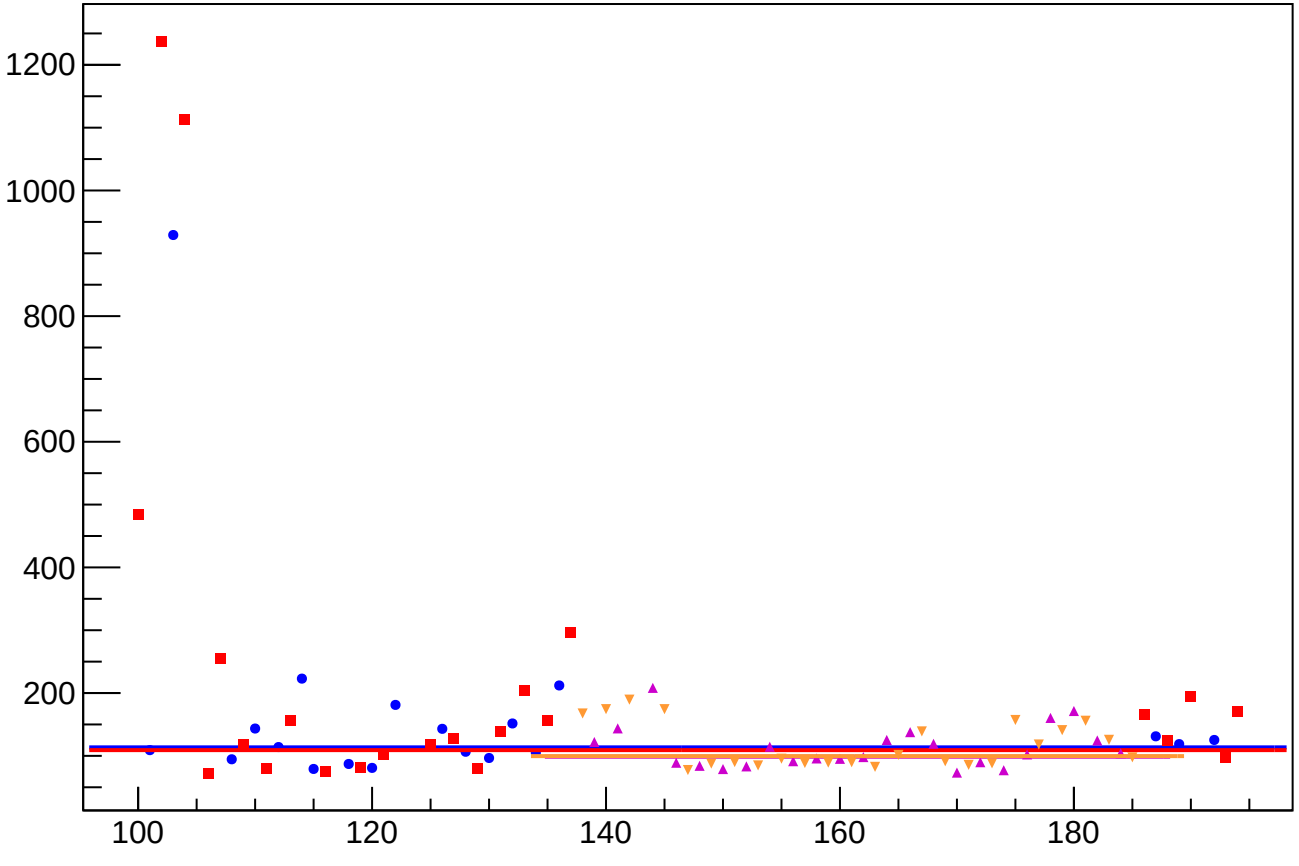
Right: -0.034+/-0.029 χ^2/NDF: 39.5/41

In: -0.034+/-0.022 χ^2/NDF:47.6/41

Out: -0.021+/-0.021 χ^2/NDF:50.8/46

All: -0.028+/-0.015 χ^2/NDF: 98.6/88

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 113.535+/-0.031 χ^2/NDF: 1866121.1/18

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 109.139+/-0.028 χ^2/NDF: 3309984.4/22

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

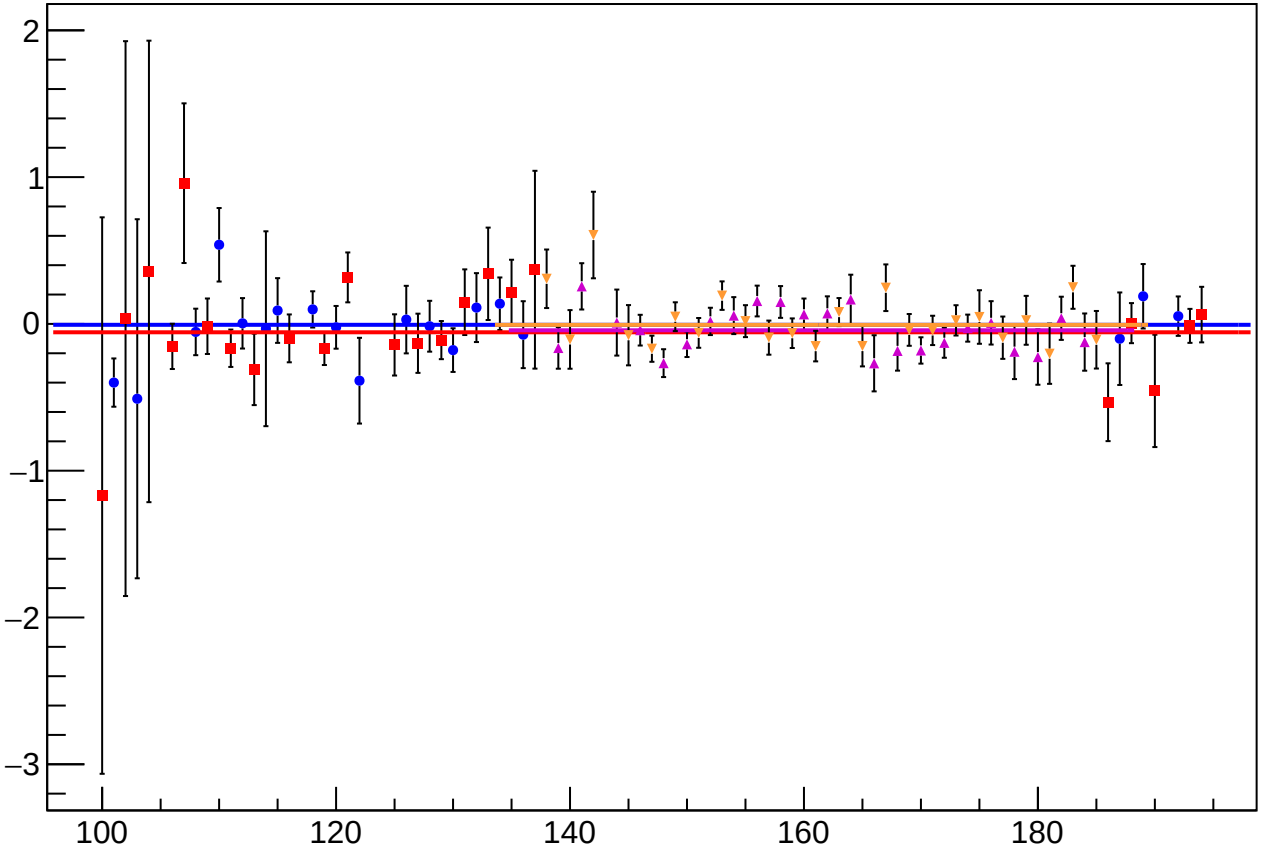
Right: 111.121+/-0.021 χ^2/NDF: 5187293.3/41

In: 102.366+/-0.015 χ^2/NDF:4044522.0/41

Out: 102.373+/-0.015 χ^2/NDF:5463888.0/46

All: 102.370+/-0.011 χ^2/NDF: 9508410.1/88

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.044 χ^2/NDF: 16.8/18

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.057+/-0.039 χ^2/NDF: 21.9/22

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

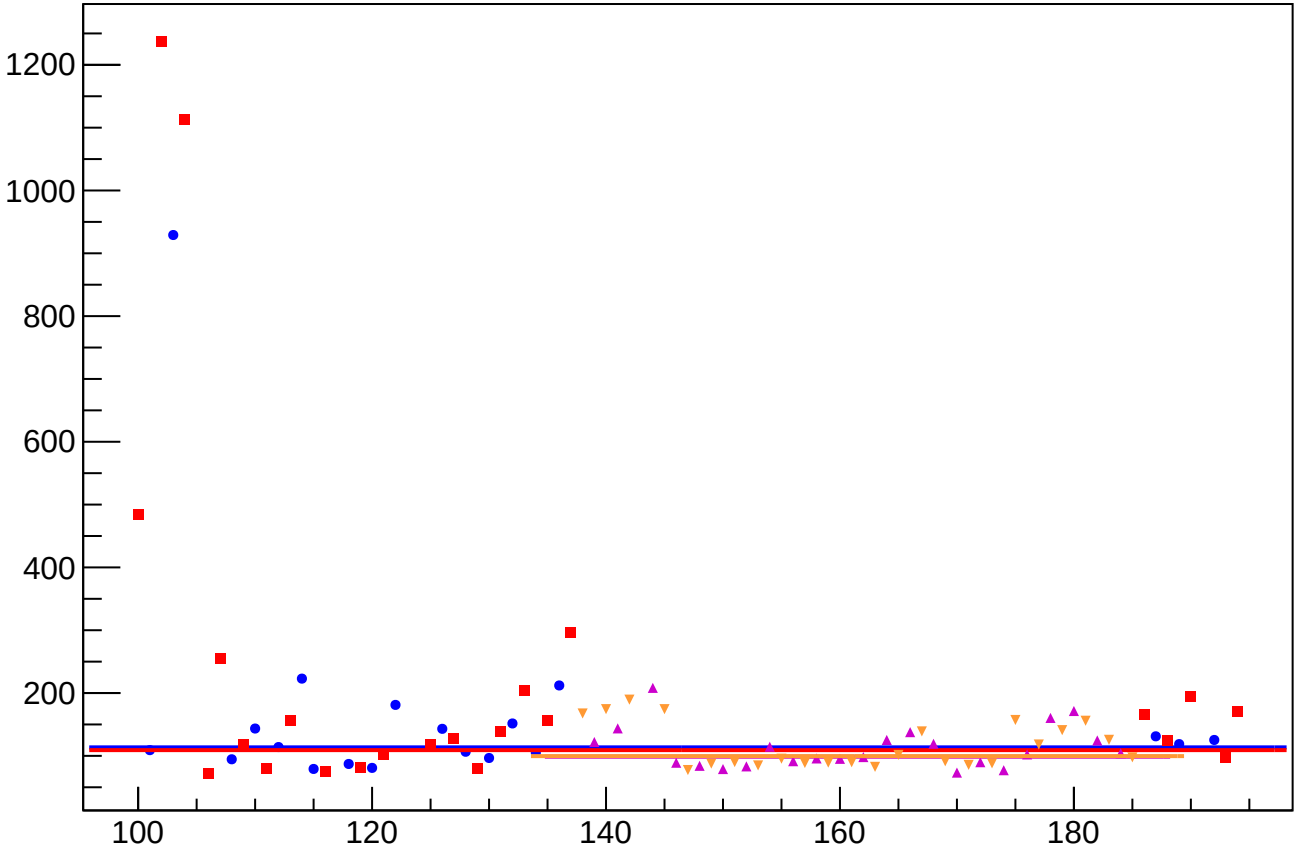
Right: -0.034+/-0.029 χ^2/NDF: 39.5/41

In: -0.034+/-0.022 χ^2/NDF:47.6/41

Out: -0.021+/-0.021 χ^2/NDF:50.8/46

All: -0.028+/-0.015 χ^2/NDF: 98.6/88

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 113.535+/-0.031 χ^2/NDF: 1866121.1/18

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 109.139+/-0.028 χ^2/NDF: 3309984.4/22

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

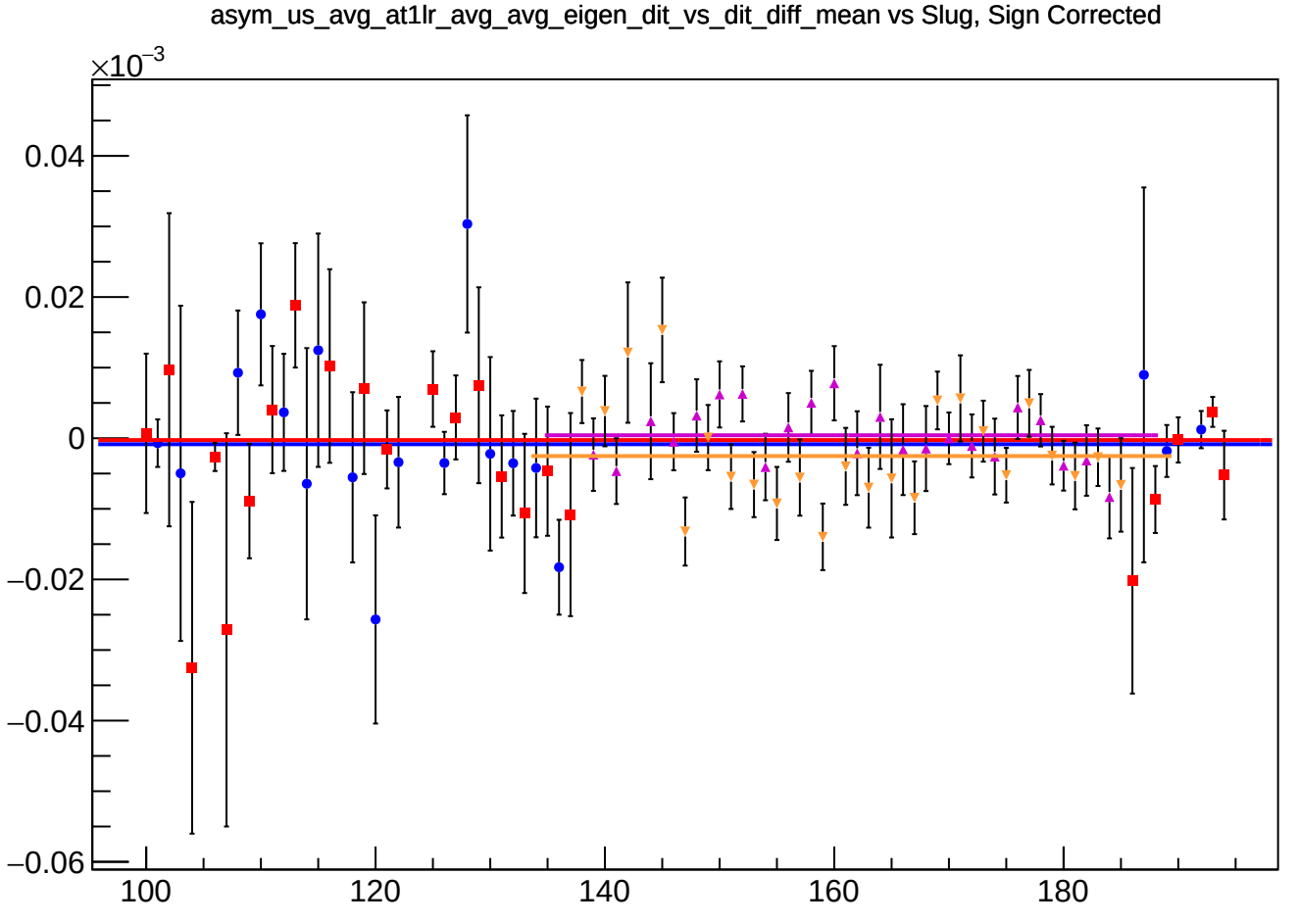
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 111.121+/-0.021 χ^2/NDF: 5187293.3/41

In: 102.366+/-0.015 χ^2/NDF:4044522.0/41

Out: 102.373+/-0.015 χ^2/NDF:5463888.0/46

All: 102.370+/-0.011 χ^2/NDF: 9508410.1/88



Right In: -0.000+/-0.000 χ^2/NDF: 21.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/22

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

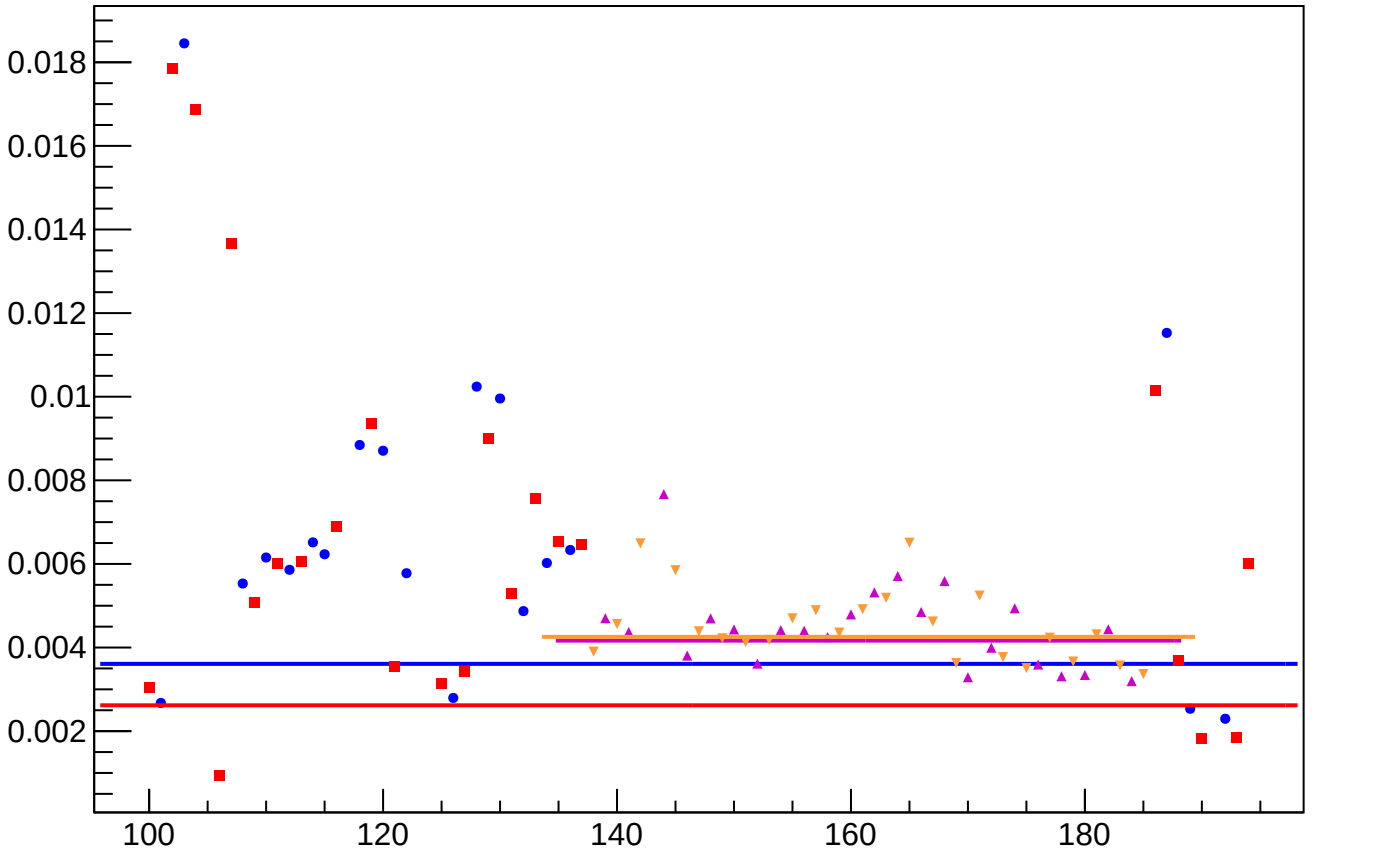
Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

Right: -0.000+/-0.000 χ^2/NDF: 46.0/41

In: 0.000+/-0.000 χ^2/NDF:37.5/41

Out: -0.000+/-0.000 χ^2/NDF:67.3/46

All: -0.000+/-0.000 χ^2/NDF: 106.6/88



Right In: 0.004+/-0.000 χ^2/NDF: 4348539.1/18

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 8147570.8/22

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

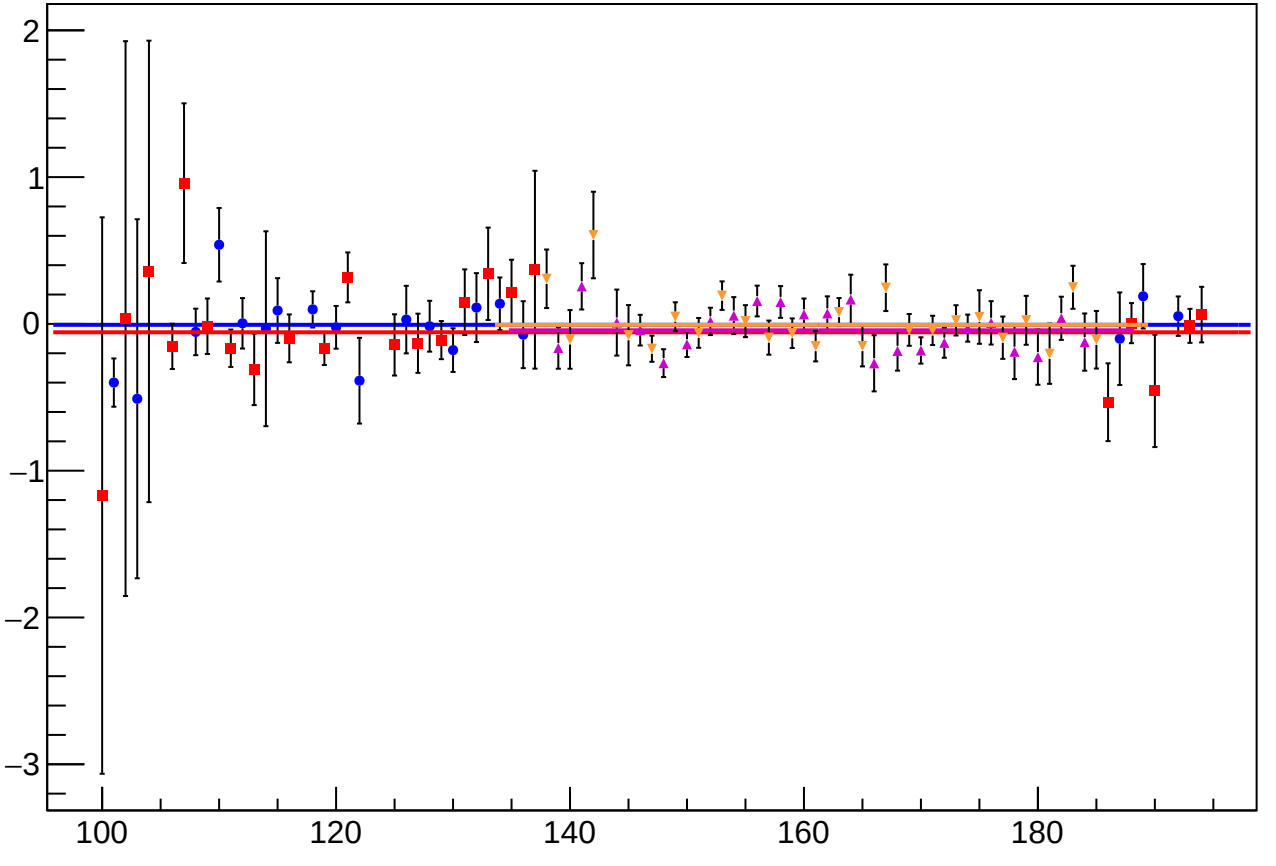
Right: 0.003+/-0.000 χ^2/NDF: 13105250.9/41

In: 0.004+/-0.000 χ^2/NDF:5829561.9/41

Out: 0.003+/-0.000 χ^2/NDF:11418526.7/46

All: 0.004+/-0.000 χ^2/NDF: 17647024.3/88

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.044 χ^2/NDF: 16.8/18

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.057+/-0.039 χ^2/NDF: 21.9/22

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

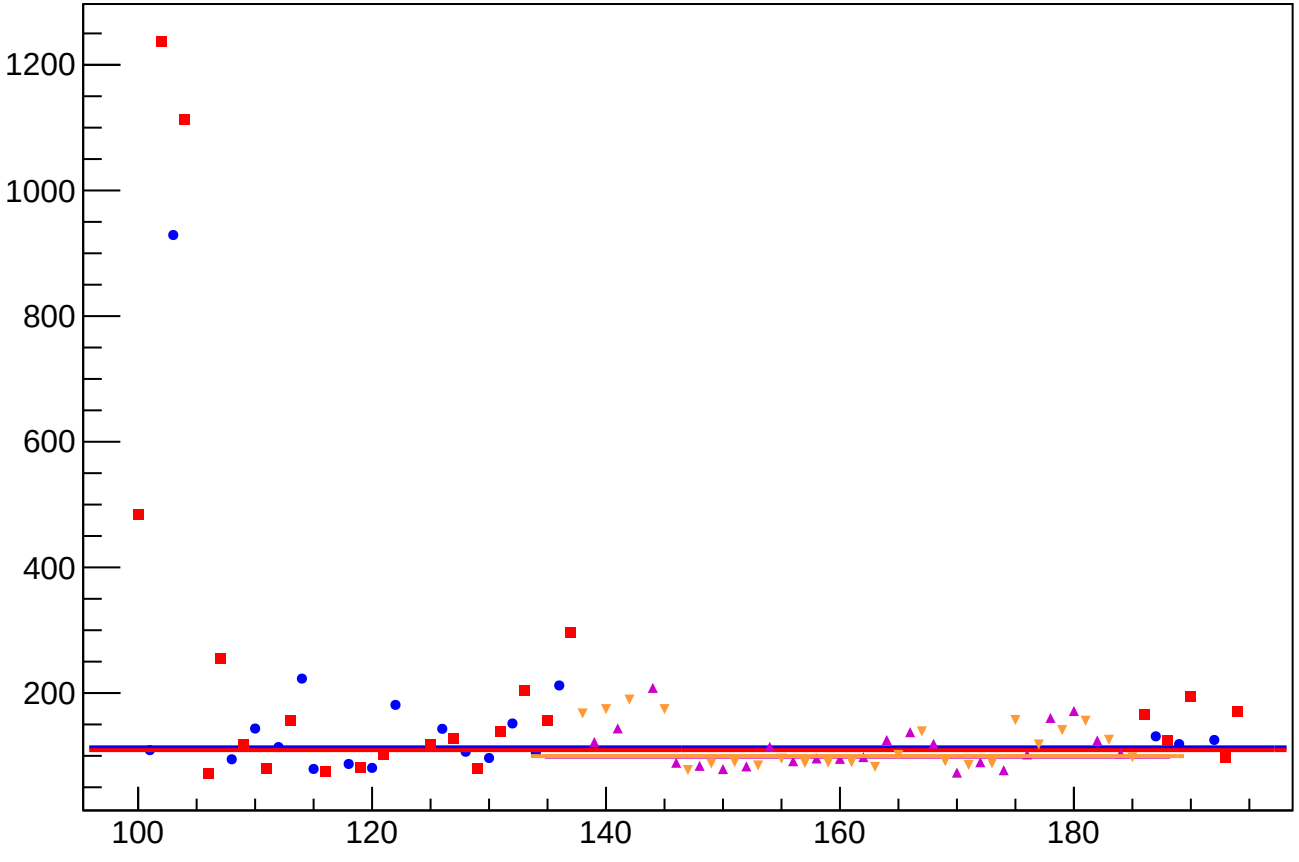
Right: -0.034+/-0.029 χ^2/NDF: 39.5/41

In: -0.034+/-0.022 χ^2/NDF:47.6/41

Out: -0.021+/-0.021 χ^2/NDF:50.8/46

All: -0.028+/-0.015 χ^2/NDF: 98.6/88

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 113.533+/-0.031 χ^2/NDF: 1866179.9/18

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 109.138+/-0.028 χ^2/NDF: 3310009.3/22

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

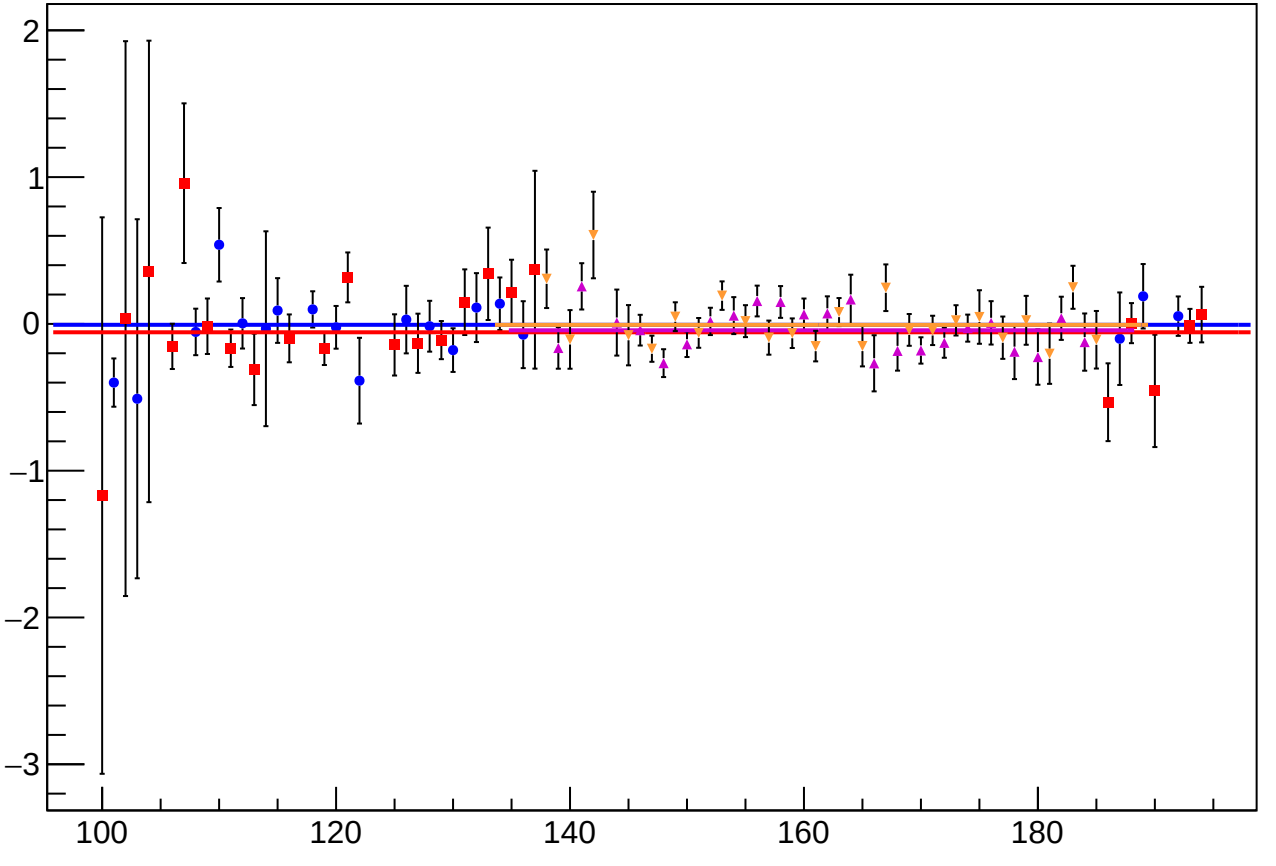
Right: 111.120+/-0.021 χ^2/NDF: 5187371.4/41

In: 102.366+/-0.015 χ^2/NDF:4044489.0/41

Out: 102.373+/-0.015 χ^2/NDF:5463847.4/46

All: 102.370+/-0.011 χ^2/NDF: 9508336.5/88

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.044 χ^2/NDF: 16.8/18

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.057+/-0.039 χ^2/NDF: 21.9/22

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

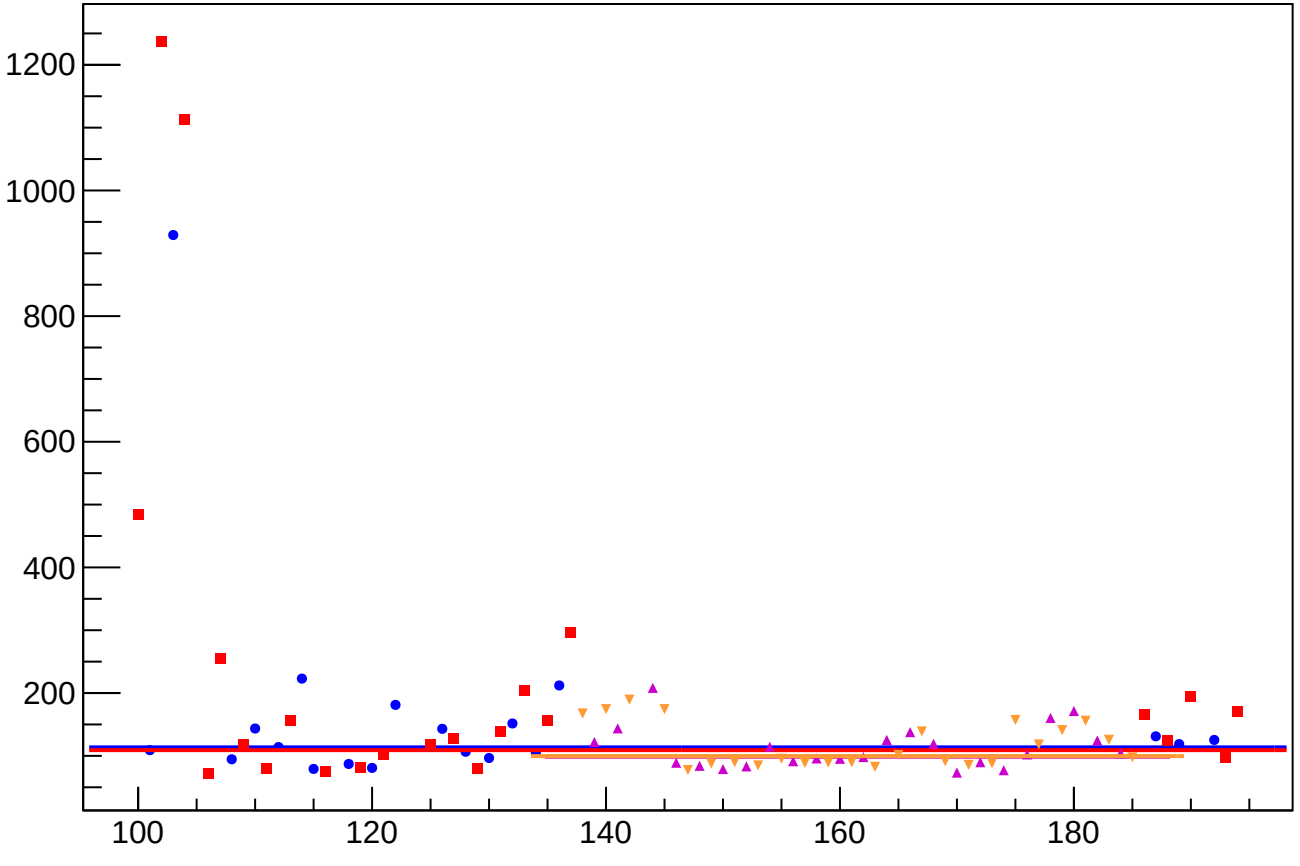
Right: -0.034+/-0.029 χ^2/NDF: 39.5/41

In: -0.034+/-0.022 χ^2/NDF:47.6/41

Out: -0.021+/-0.021 χ^2/NDF:50.8/46

All: -0.028+/-0.015 χ^2/NDF: 98.6/88

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 113.533+/-0.031 χ^2/NDF: 1866179.9/18

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 109.138+/-0.028 χ^2/NDF: 3310009.3/22

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

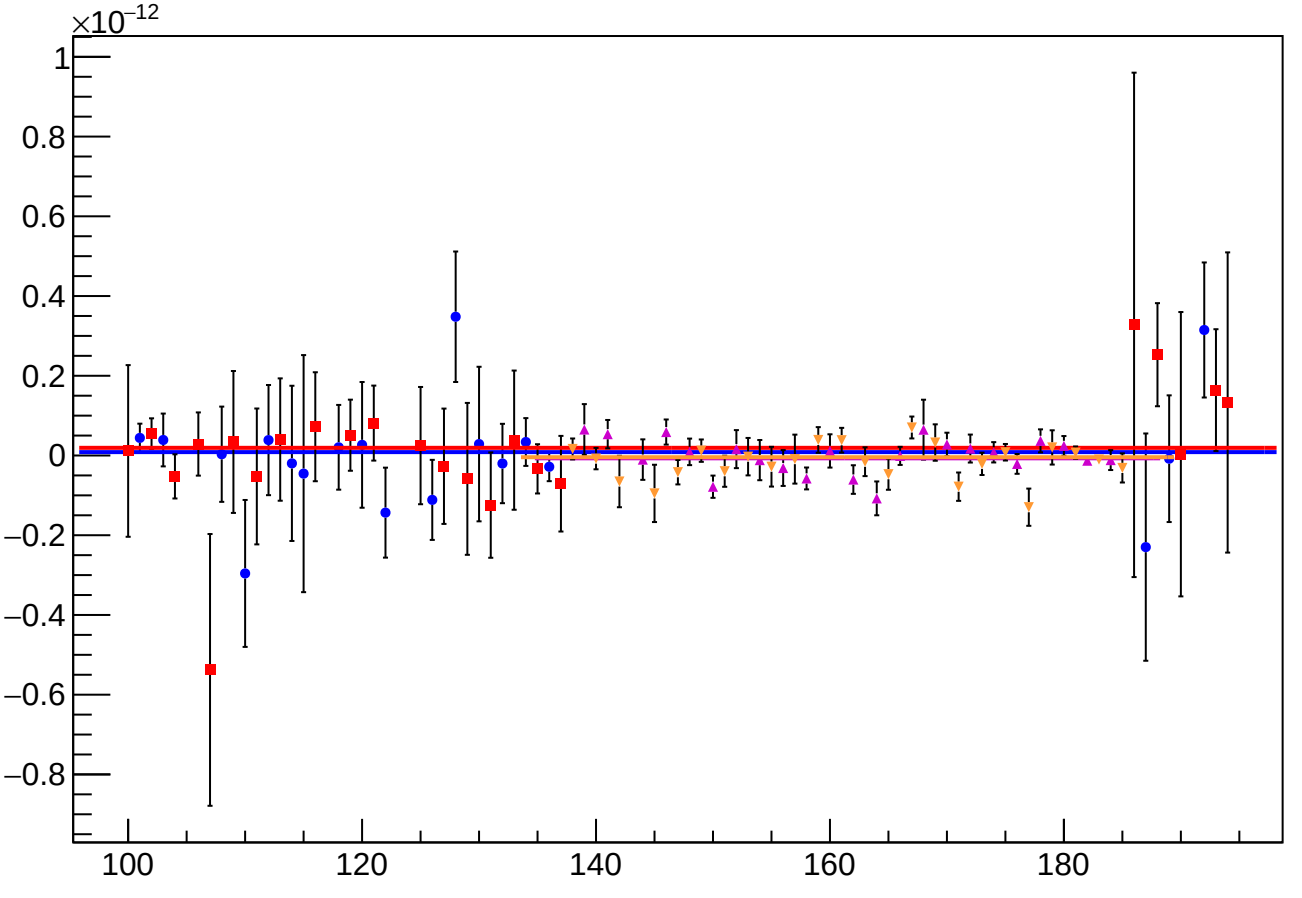
Right: 111.120+/-0.021 χ^2/NDF: 5187371.4/41

In: 102.366+/-0.015 χ^2/NDF:4044489.0/41

Out: 102.373+/-0.015 χ^2/NDF:5463847.4/46

All: 102.370+/-0.011 χ^2/NDF: 9508336.5/88

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: 16.9/18

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13.4/22

Left In: -0.000+/-0.000 χ^2/NDF:35.2/22

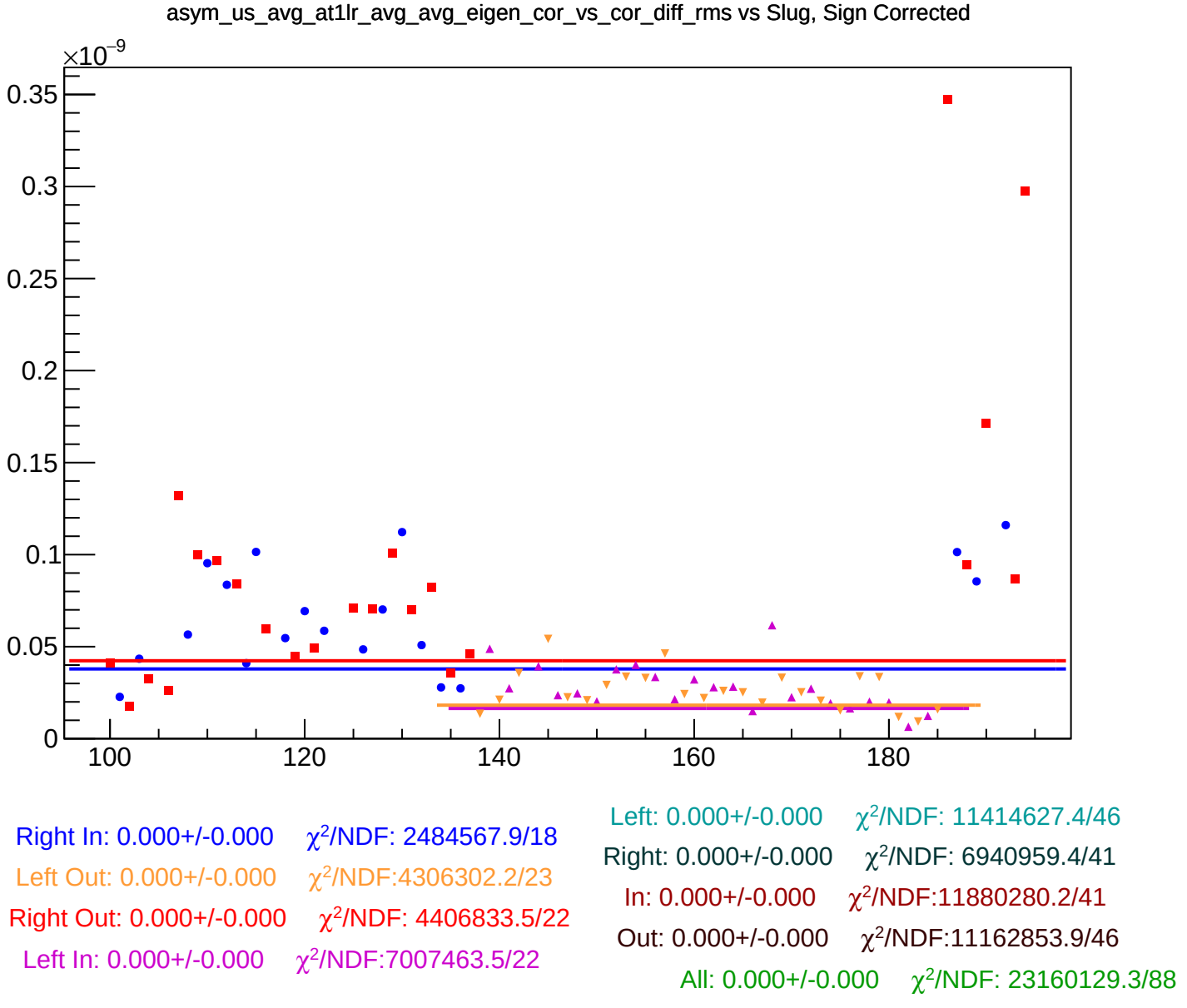
Left: -0.000+/-0.000 χ^2/NDF: 68.3/46

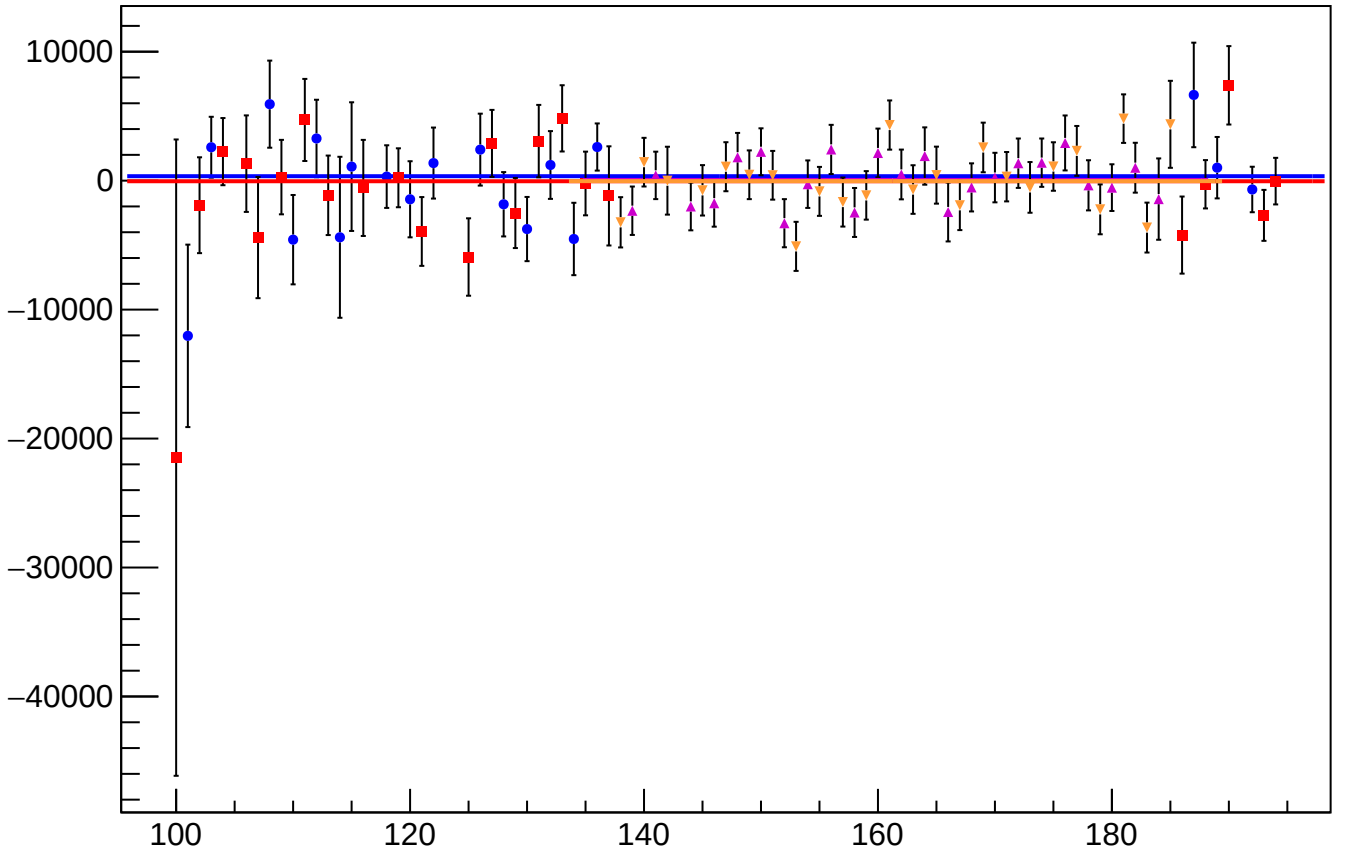
Right: 0.000+/-0.000 χ^2/NDF: 30.4/41

In: -0.000+/-0.000 χ^2/NDF:52.7/41

Out: -0.000+/-0.000 χ^2/NDF:47.5/46

All: -0.000+/-0.000 χ^2/NDF: 100.4/88


asym_us_avg_at1lr_avg_avg_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
Right In: 0.000+/-0.000 χ²/NDF: 2484567.9/18
Left Out: 0.000+/-0.000 χ²/NDF:4306302.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 4406833.5/22
Left In: 0.000+/-0.000 χ²/NDF:7007463.5/22
Left: 0.000+/-0.000 χ²/NDF: 11414627.4/46
Right: 0.000+/-0.000 χ²/NDF: 6940959.4/41
In: 0.000+/-0.000 χ²/NDF:11880280.2/41
Out: 0.000+/-0.000 χ²/NDF:11162853.9/46
All: 0.000+/-0.000 χ²/NDF: 23160129.3/88



Right In: 344.610+/-626.963 χ^2/NDF: 22.3/18

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: -46.206+/-573.668 χ^2/NDF: 27.9/22

Left In: 52.796+/-404.703 χ^2/NDF:19.4/22

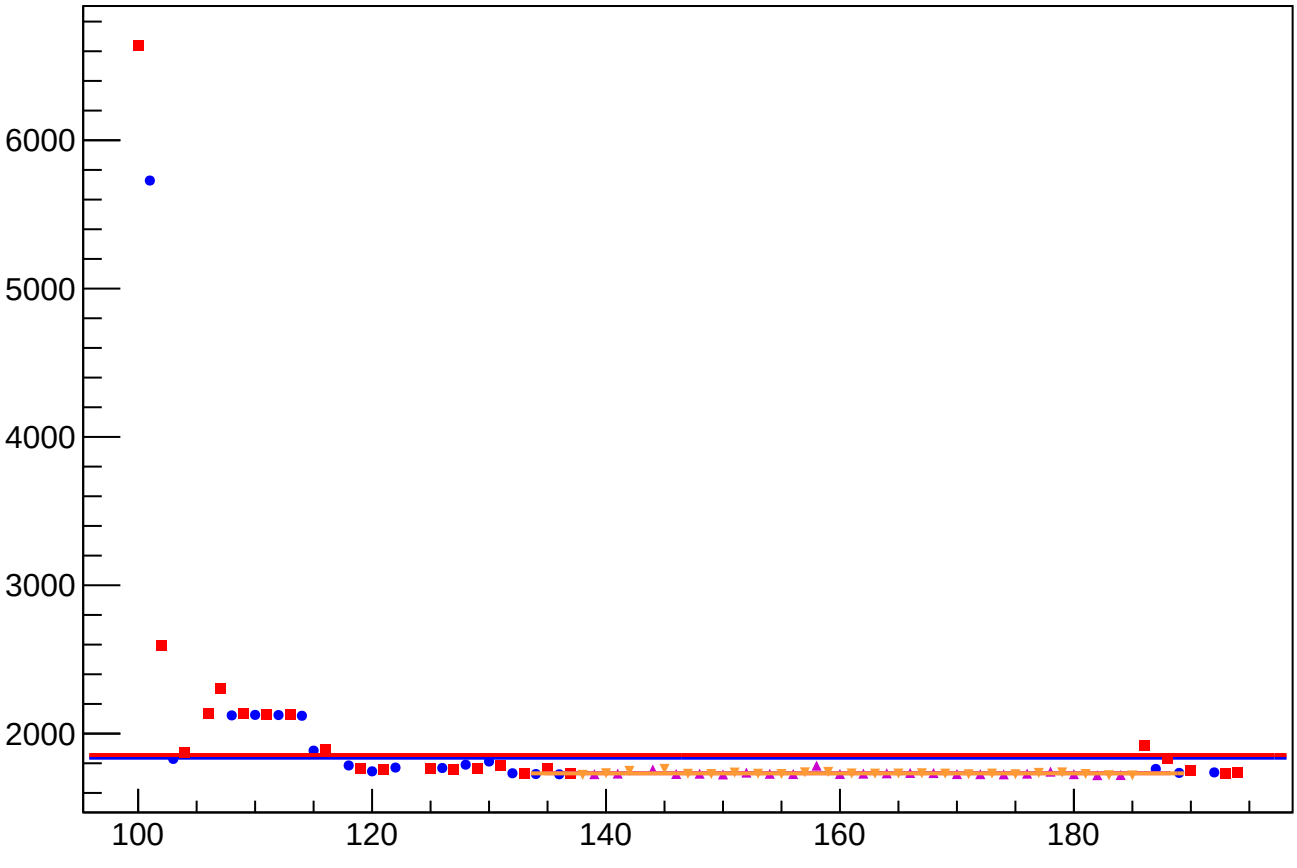
Left: 8.702+/-285.197 χ^2/NDF: 54.8/46

Right: 131.888+/-423.234 χ^2/NDF: 50.4/41

In: 138.624+/-340.018 χ^2/NDF:41.8/41

Out: -38.555+/-329.198 χ^2/NDF:63.3/46

All: 47.170+/-236.511 χ^2/NDF: 105.3/88



Right In: 1837.665+/-0.443 χ^2/NDF: 686474.5/18

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1855.634+/-0.406 χ^2/NDF: 277251.2/22

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

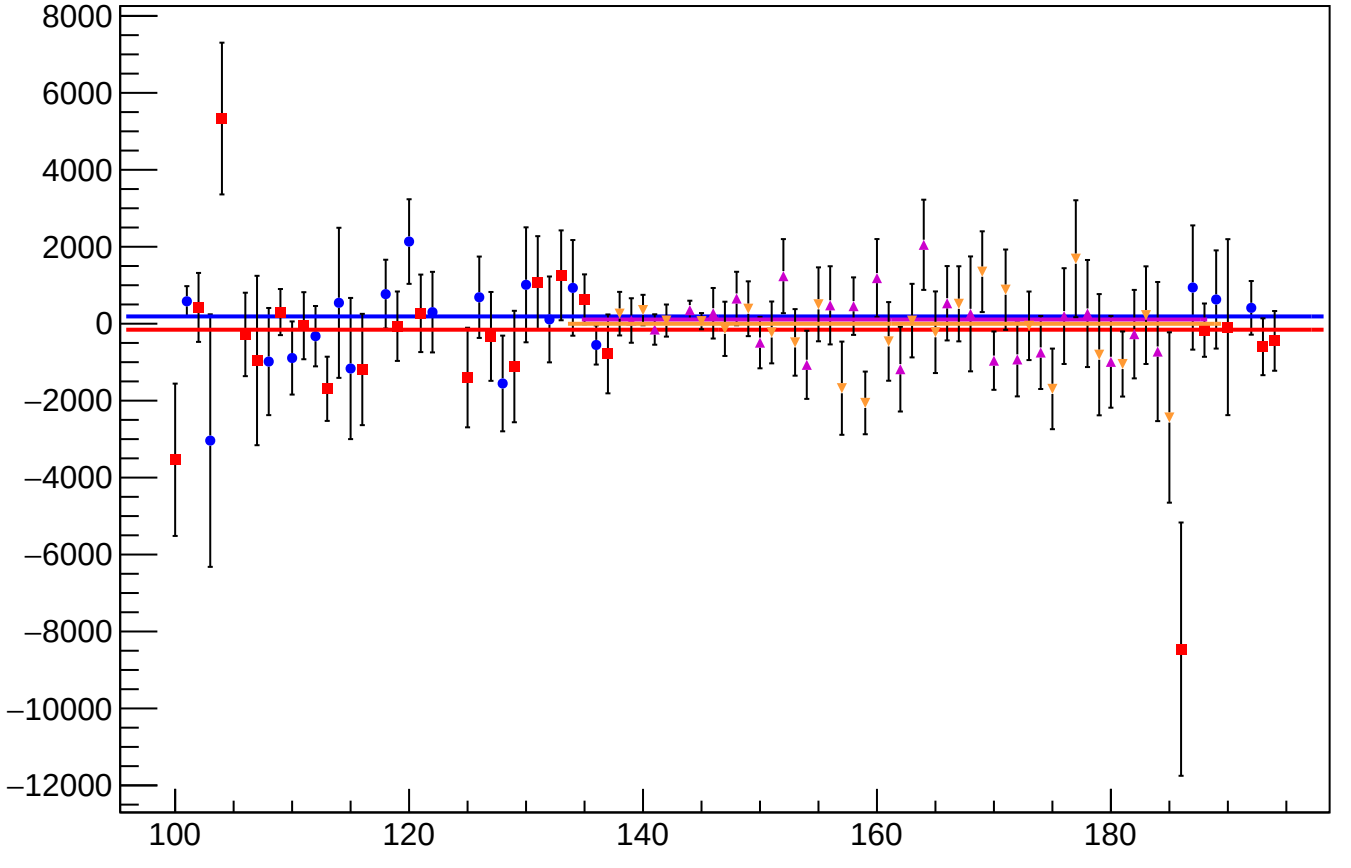
Right: 1847.445+/-0.299 χ^2/NDF: 964619.9/41

In: 1764.006+/-0.240 χ^2/NDF:727812.2/41

Out: 1772.703+/-0.233 χ^2/NDF:340507.0/46

All: 1768.495+/-0.167 χ^2/NDF: 1068994.6/88

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 189.063+/-205.431 χ^2/NDF: 13.9/18

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: -156.218+/-206.385 χ^2/NDF: 28.5/22

Left In: 108.386+/-143.315 χ^2/NDF:17.0/22

Left: 47.628+/-96.309 χ^2/NDF: 37.6/46

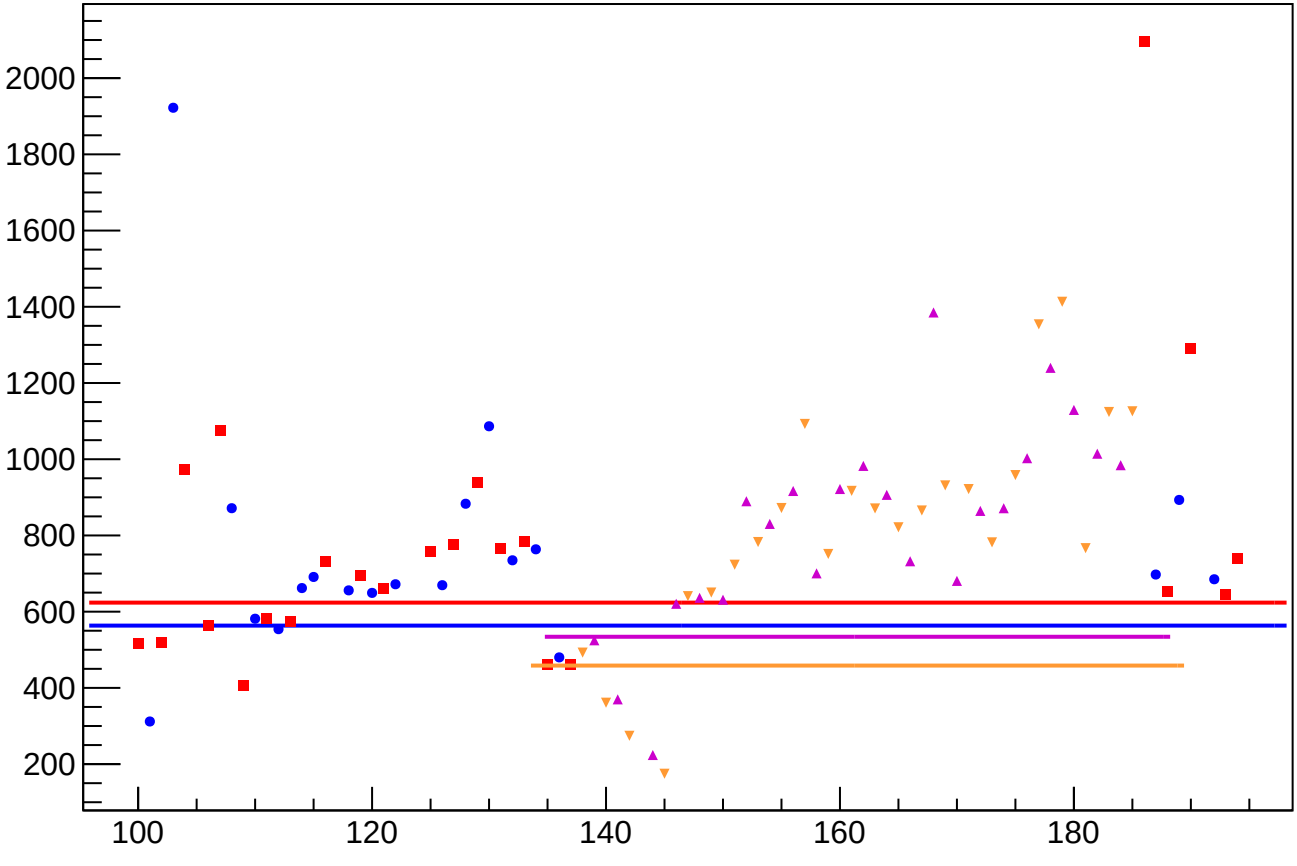
Right: 17.222+/-145.598 χ^2/NDF: 43.9/41

In: 134.797+/-117.539 χ^2/NDF:31.1/41

Out: -46.122+/-110.029 χ^2/NDF:49.2/46

All: 38.373+/-80.326 χ^2/NDF: 81.5/88

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 563.429+/-0.145 χ^2/NDF: 2087347.5/18

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 623.756+/-0.146 χ^2/NDF: 1498149.7/22

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

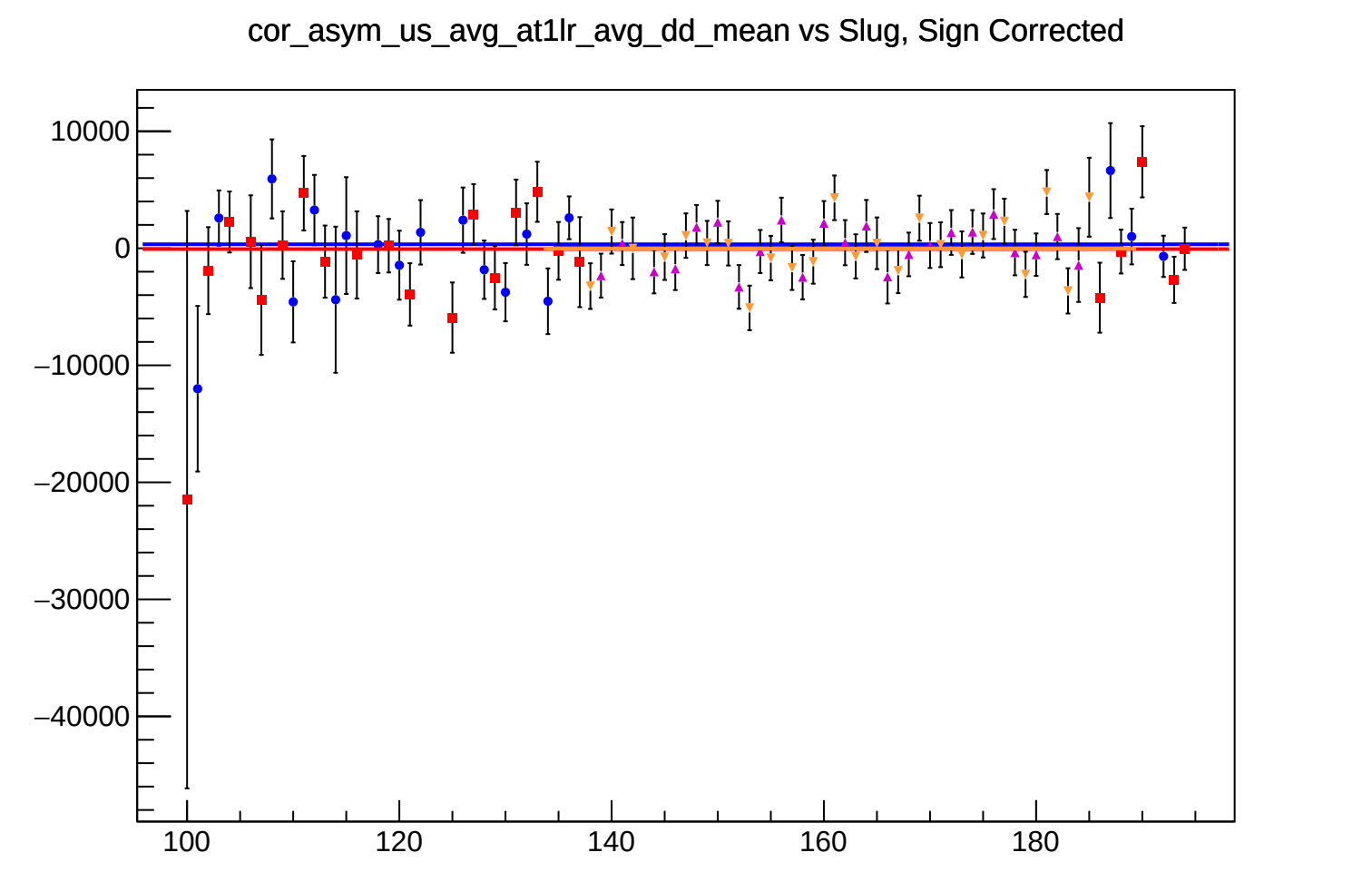
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

Right: 593.453+/-0.103 χ^2/NDF: 3671332.5/41

In: 543.742+/-0.083 χ^2/NDF:10557947.9/41

Out: 505.525+/-0.078 χ^2/NDF:13841842.3/46

All: 523.374+/-0.057 χ^2/NDF: 24512476.5/88



Right In: 344.742+/-626.963 χ^2/NDF: 22.3/18

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -65.688+/-574.403 χ^2/NDF: 27.8/22

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

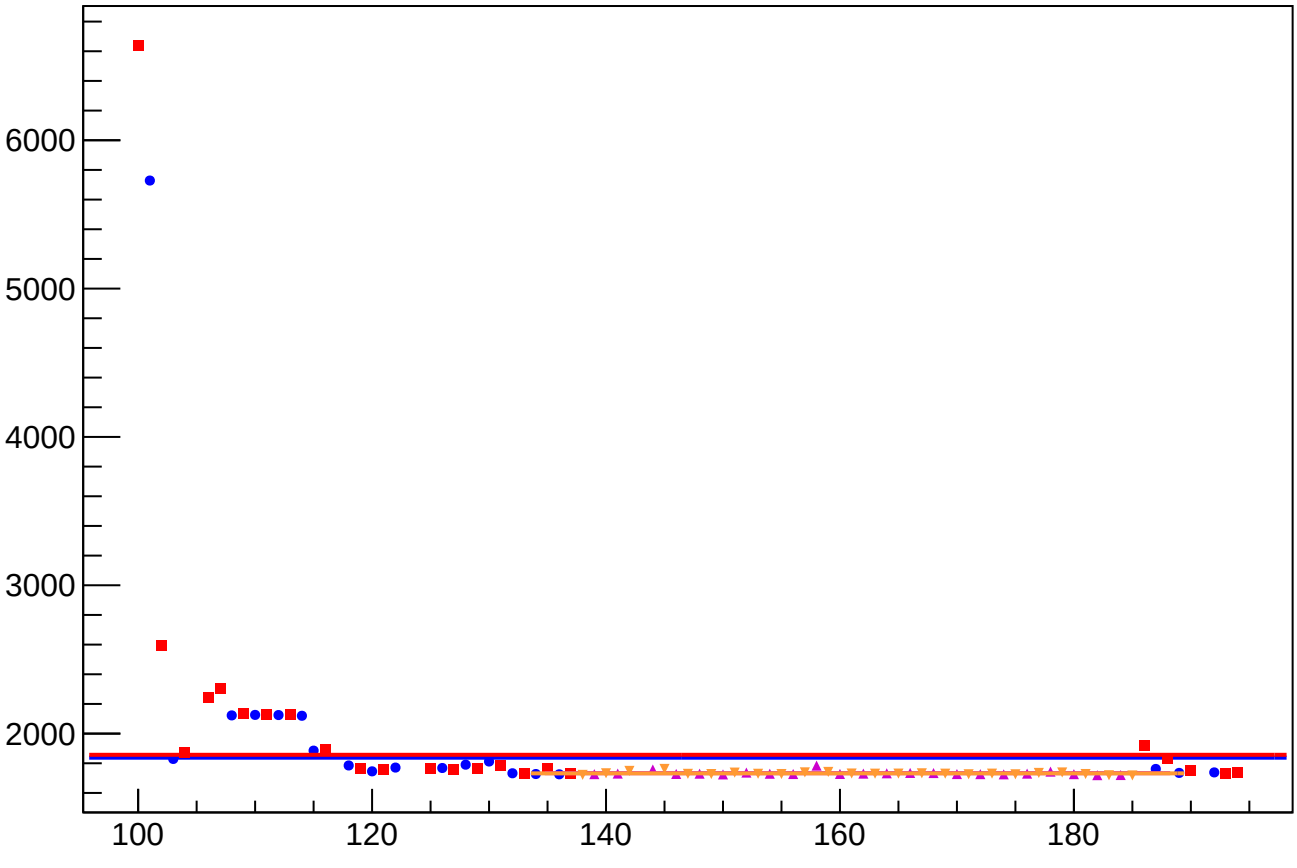
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 121.605+/-423.529 χ^2/NDF: 50.3/41

In: 138.604+/-340.018 χ^2/NDF:41.8/41

Out: -44.915+/-329.337 χ^2/NDF:63.2/46

All: 43.917+/-236.563 χ^2/NDF: 105.1/88



Right In: 1837.665+/-0.443 χ^2/NDF: 686474.4/18

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1857.120+/-0.406 χ^2/NDF: 284927.8/22

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

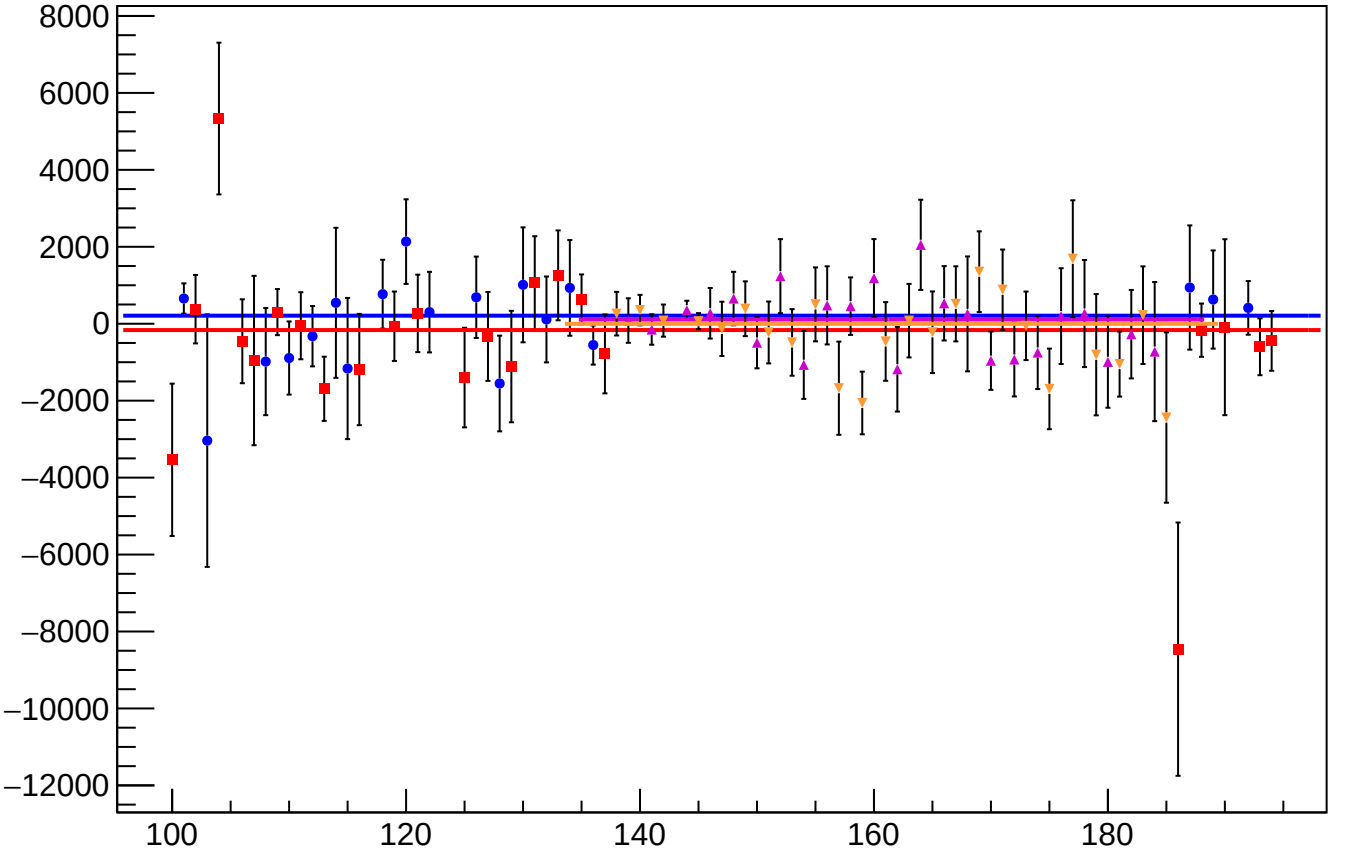
Right: 1848.242+/-0.299 χ^2/NDF: 972449.2/41

In: 1764.006+/-0.240 χ^2/NDF:727812.0/41

Out: 1773.122+/-0.233 χ^2/NDF:349580.4/46

All: 1768.709+/-0.167 χ^2/NDF: 1078134.0/88

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 209.367+/-205.370 χ^2/NDF: 14.4/18

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -164.401+/-206.349 χ^2/NDF: 28.5/22

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

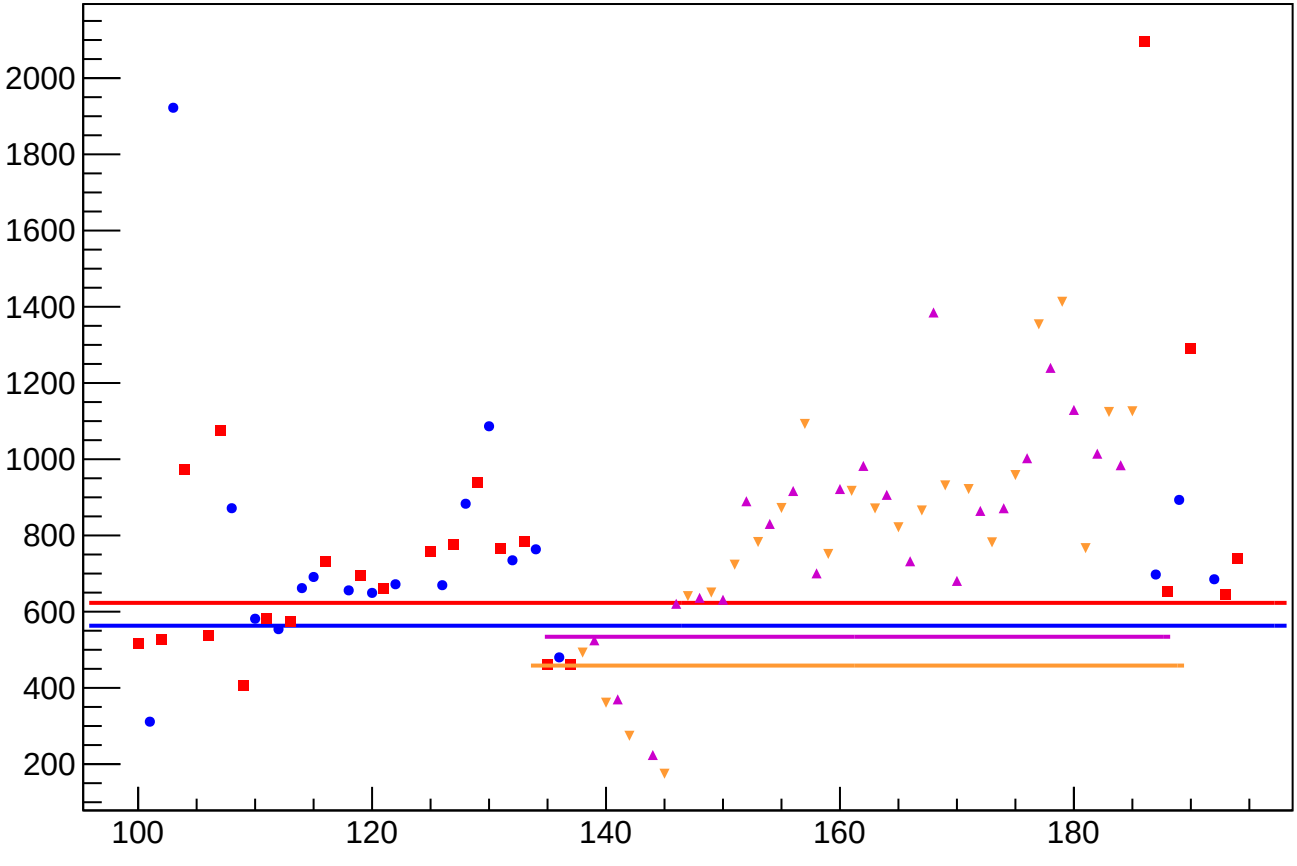
Right: 23.372+/-145.563 χ^2/NDF: 44.5/41

In: 141.438+/-117.527 χ^2/NDF:31.5/41

Out: -48.549+/-110.024 χ^2/NDF:49.2/46

All: 40.187+/-80.321 χ^2/NDF: 82.1/88

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 563.143+/-0.145 χ^2/NDF: 2092347.0/18

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 623.099+/-0.146 χ^2/NDF: 1501553.9/22

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

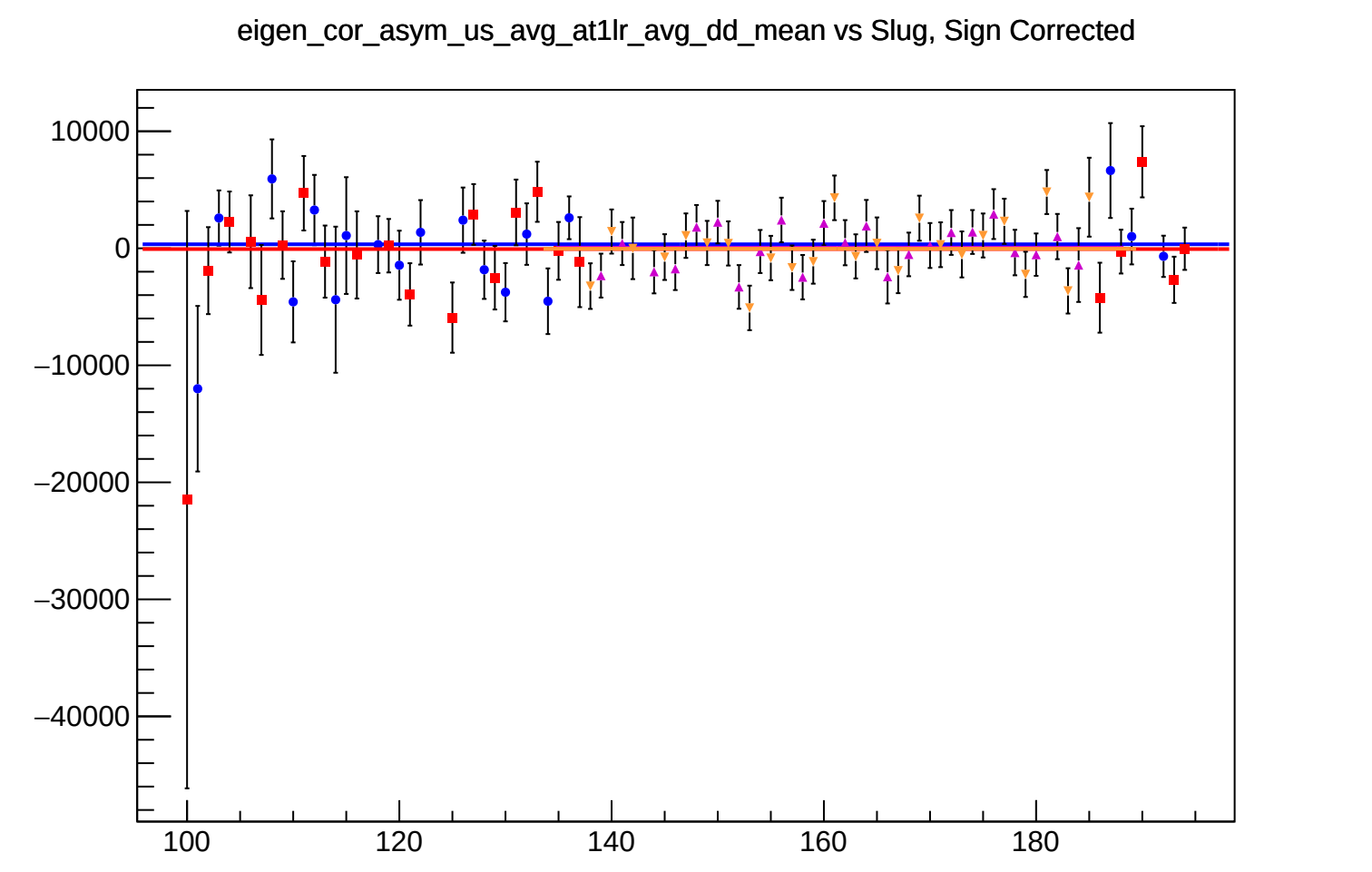
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 592.978+/-0.103 χ^2/NDF: 3678725.7/41

In: 543.657+/-0.083 χ^2/NDF:10561931.3/41

Out: 505.359+/-0.078 χ^2/NDF:13837660.8/46

All: 523.247+/-0.057 χ^2/NDF: 24512777.8/88



Right In: 344.742+/-626.963 χ^2/NDF: 22.3/18

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -65.688+/-574.403 χ^2/NDF: 27.8/22

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

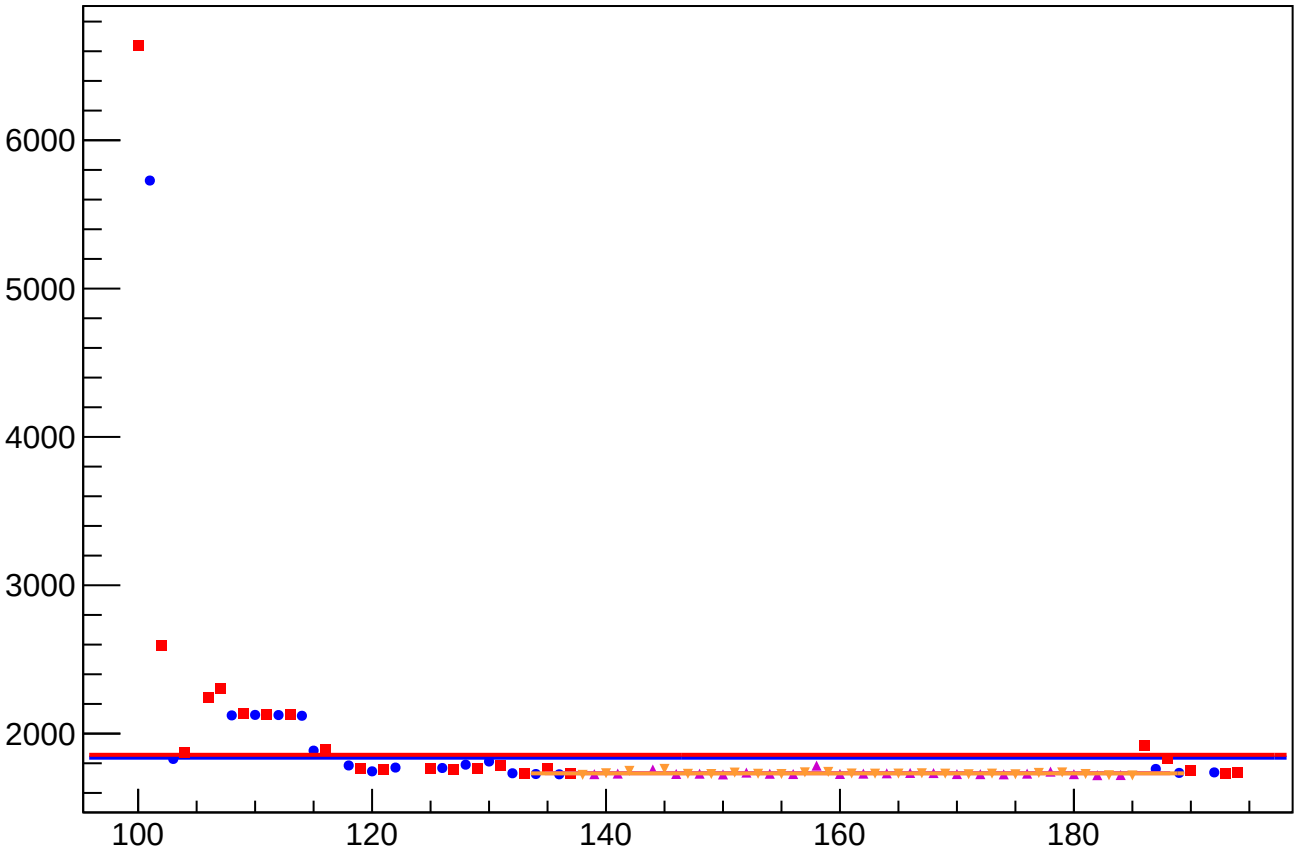
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 121.605+/-423.529 χ^2/NDF: 50.3/41

In: 138.604+/-340.018 χ^2/NDF:41.8/41

Out: -44.915+/-329.337 χ^2/NDF:63.2/46

All: 43.917+/-236.563 χ^2/NDF: 105.1/88



Right In: 1837.665+/-0.443 χ^2/NDF: 686474.4/18

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1857.120+/-0.406 χ^2/NDF: 284927.8/22

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

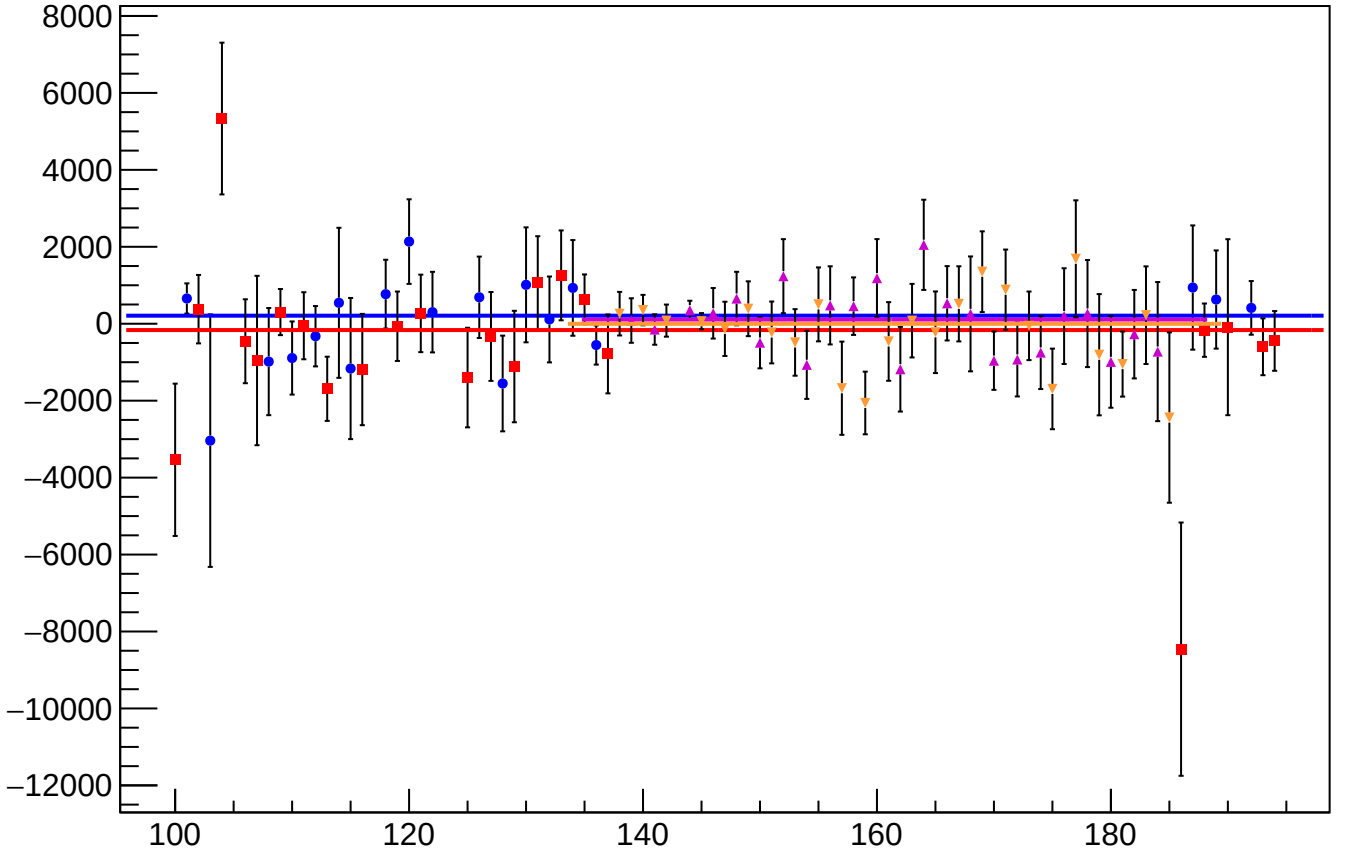
Right: 1848.242+/-0.299 χ^2/NDF: 972449.2/41

In: 1764.006+/-0.240 χ^2/NDF:727812.0/41

Out: 1773.122+/-0.233 χ^2/NDF:349580.4/46

All: 1768.709+/-0.167 χ^2/NDF: 1078134.0/88

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 209.367+/-205.370 χ^2/NDF: 14.4/18

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -164.401+/-206.349 χ^2/NDF: 28.5/22

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

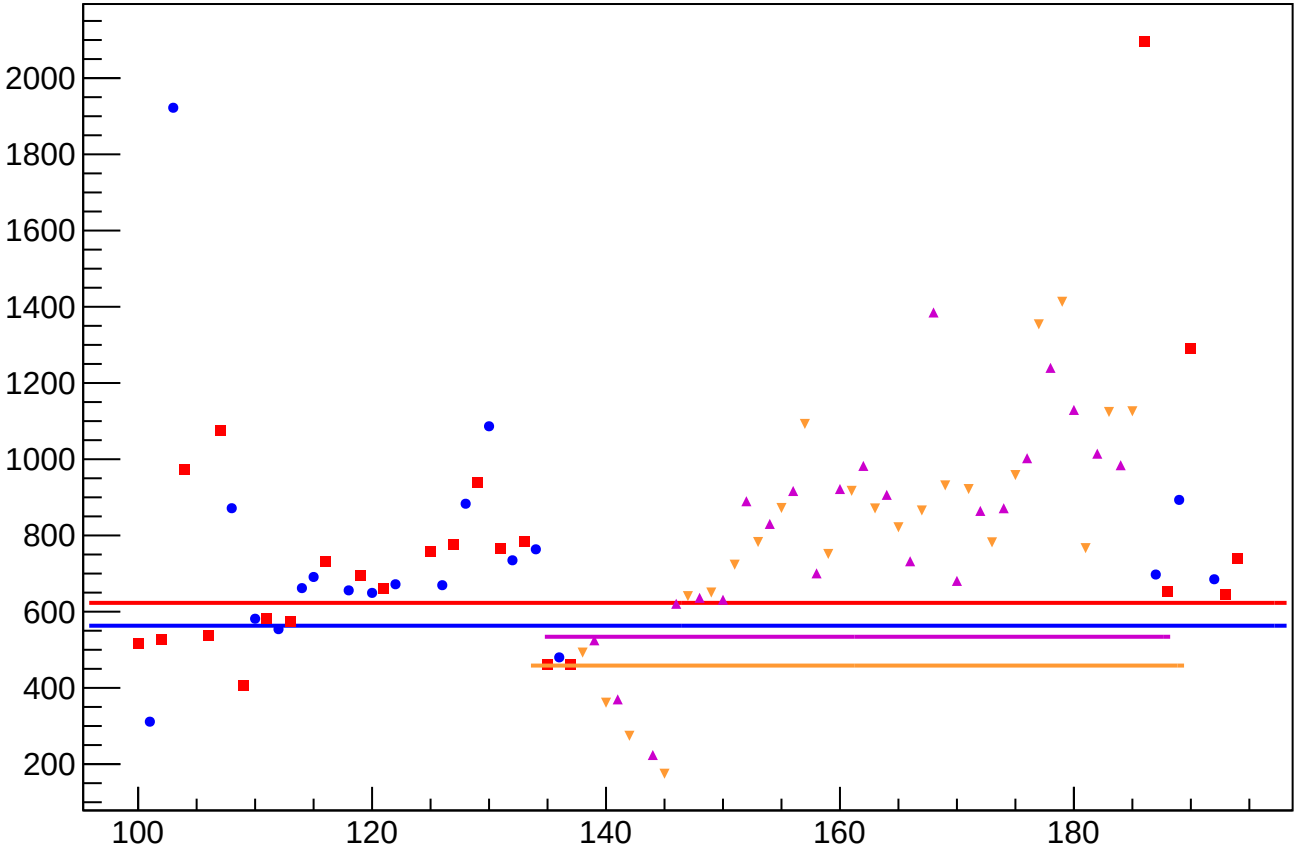
Right: 23.372+/-145.563 χ^2/NDF: 44.5/41

In: 141.438+/-117.527 χ^2/NDF:31.5/41

Out: -48.549+/-110.024 χ^2/NDF:49.2/46

All: 40.187+/-80.321 χ^2/NDF: 82.1/88

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 563.143+/-0.145 χ^2/NDF: 2092347.0/18

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 623.099+/-0.146 χ^2/NDF: 1501553.9/22

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

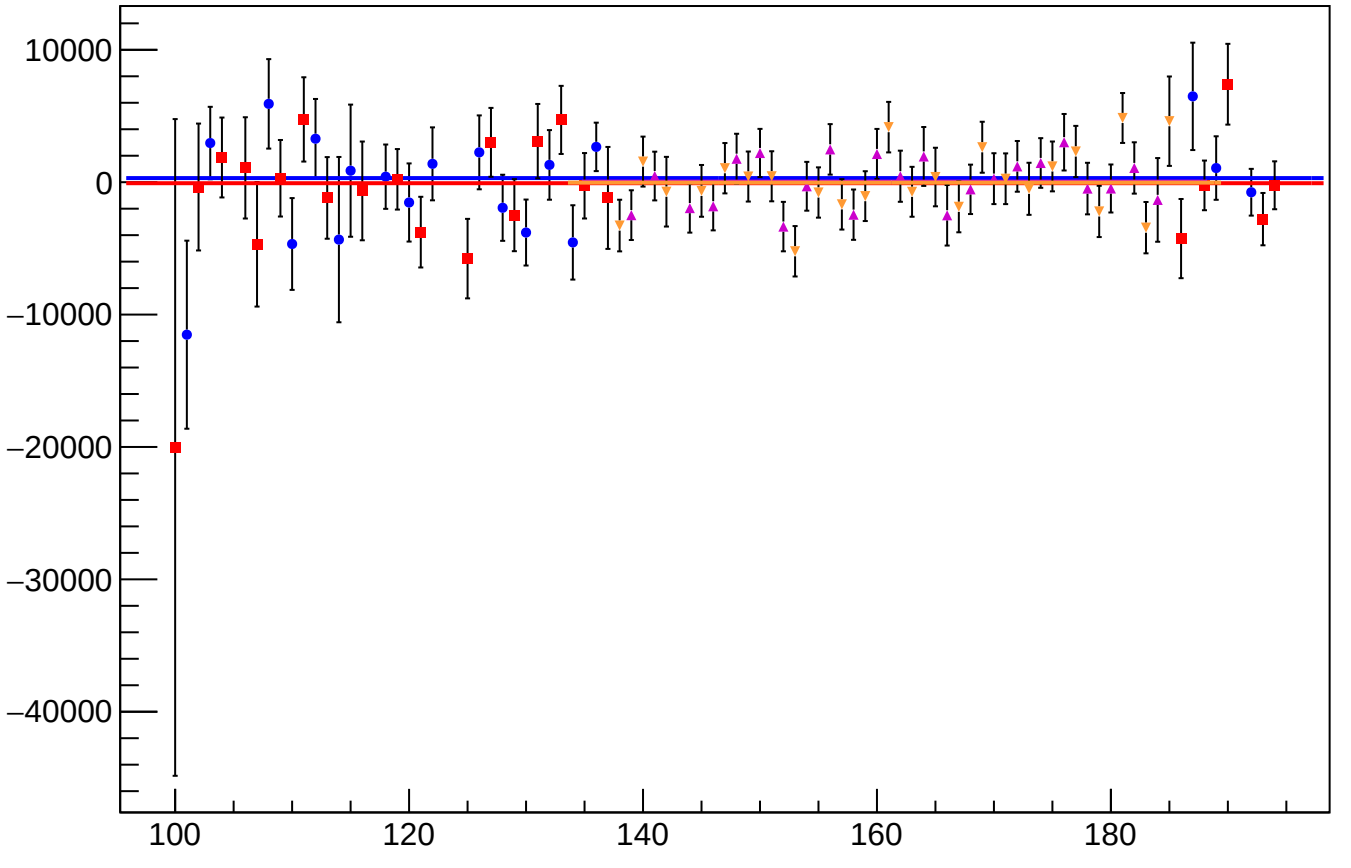
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 592.978+/-0.103 χ^2/NDF: 3678725.7/41

In: 543.657+/-0.083 χ^2/NDF:10561931.3/41

Out: 505.359+/-0.078 χ^2/NDF:13837660.8/46

All: 523.247+/-0.057 χ^2/NDF: 24512777.8/88



Right In: 311.013+/-633.459 χ^2/NDF: 22.2/18

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: -75.573+/-580.940 χ^2/NDF: 27.0/22

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

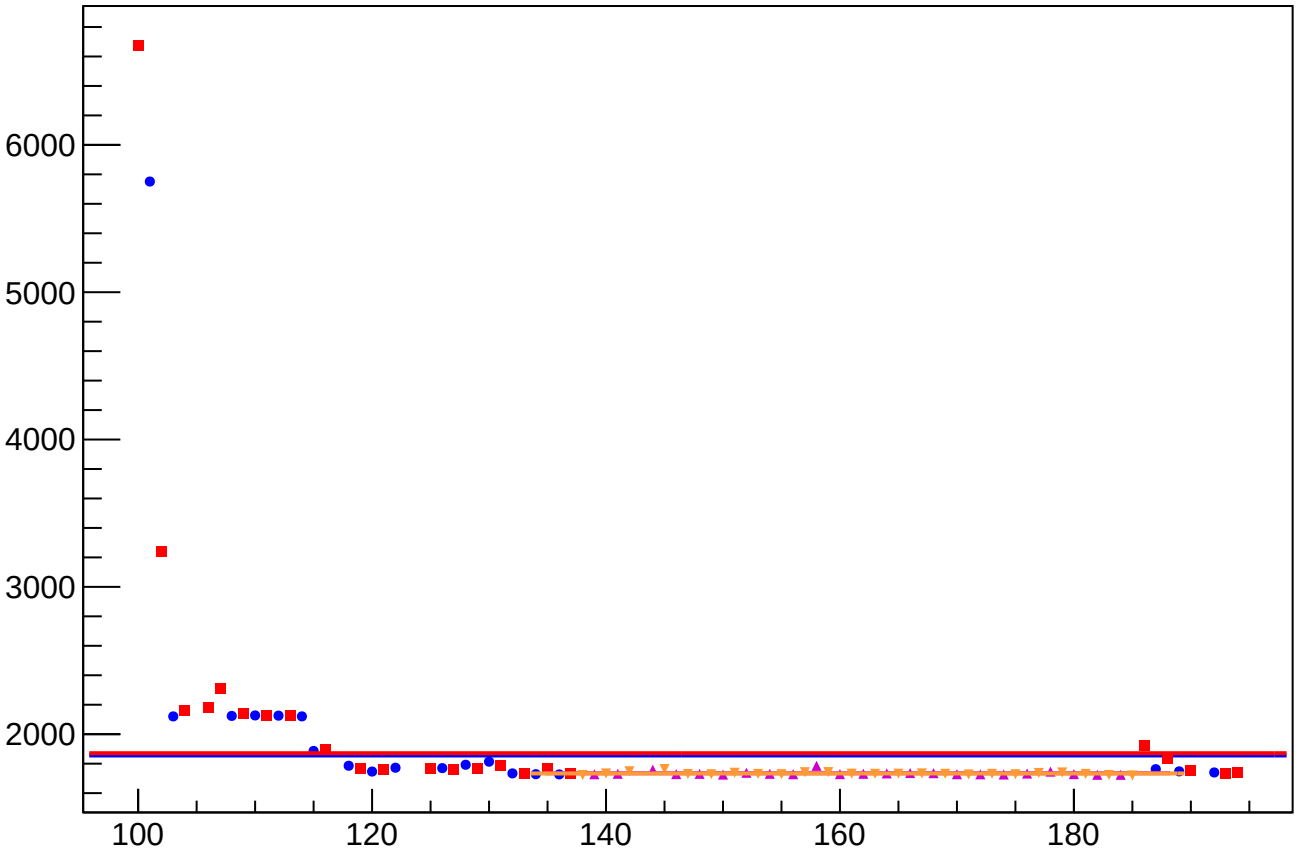
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 101.032+/-428.152 χ^2/NDF: 49.4/41

In: 120.400+/-341.252 χ^2/NDF:42.2/41

Out: -44.359+/-330.748 χ^2/NDF:62.4/46

All: 35.446+/-237.501 χ^2/NDF: 104.8/88



Right In: 1855.598+/-0.448 χ^2/NDF: 706980.0/18

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1870.980+/-0.411 χ^2/NDF: 385811.2/22

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

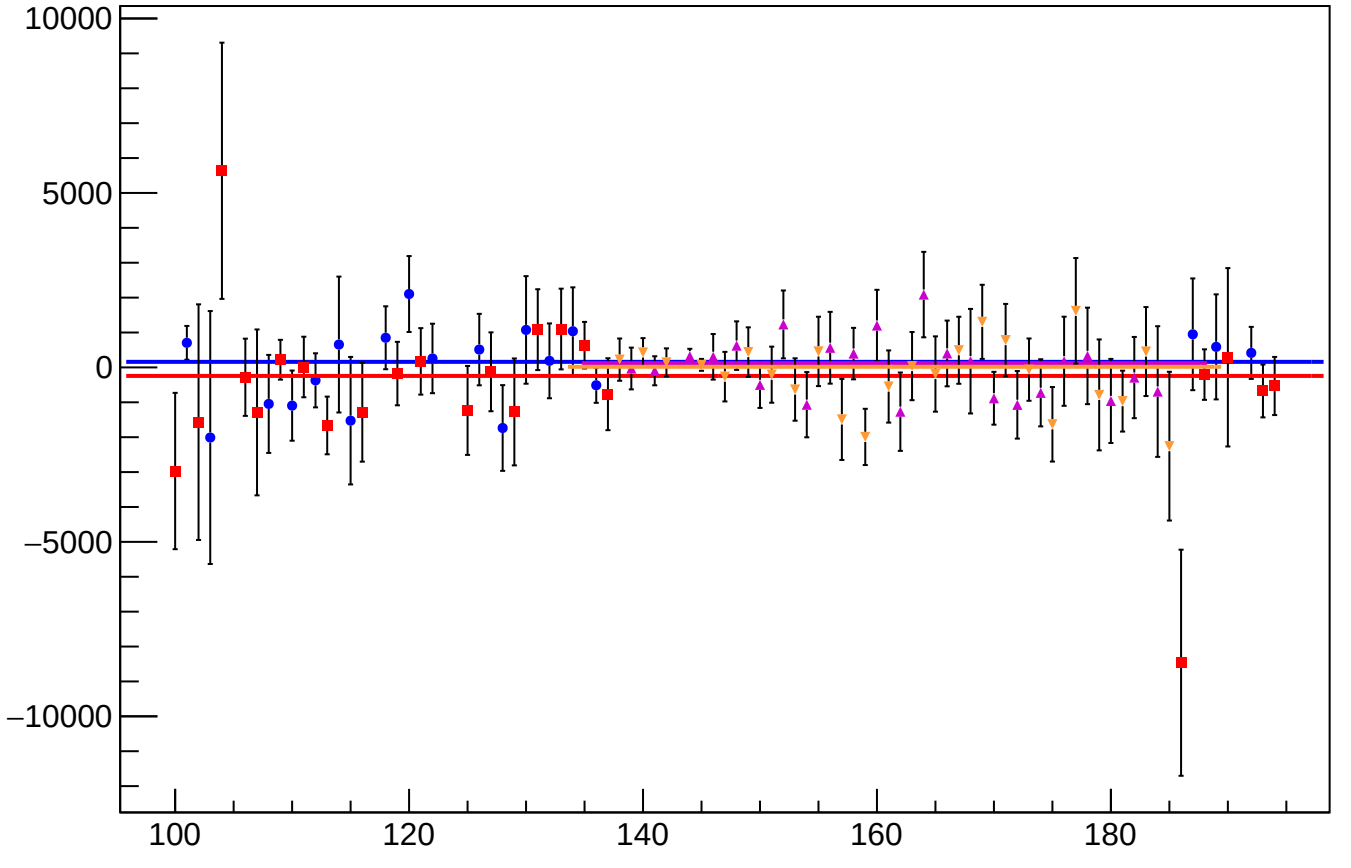
Right: 1863.953+/-0.303 χ^2/NDF: 1093431.9/41

In: 1769.864+/-0.241 χ^2/NDF:760770.0/41

Out: 1778.048+/-0.234 χ^2/NDF:462438.5/46

All: 1774.084+/-0.168 χ^2/NDF: 1223801.6/88

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 159.569+/-216.904 χ^2/NDF: 14.6/18

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

Right Out: -243.915+/-213.812 χ^2/NDF: 21.5/22

Left In: 121.705+/-137.150 χ^2/NDF:16.5/22

Left: 62.699+/-90.026 χ^2/NDF: 36.2/46

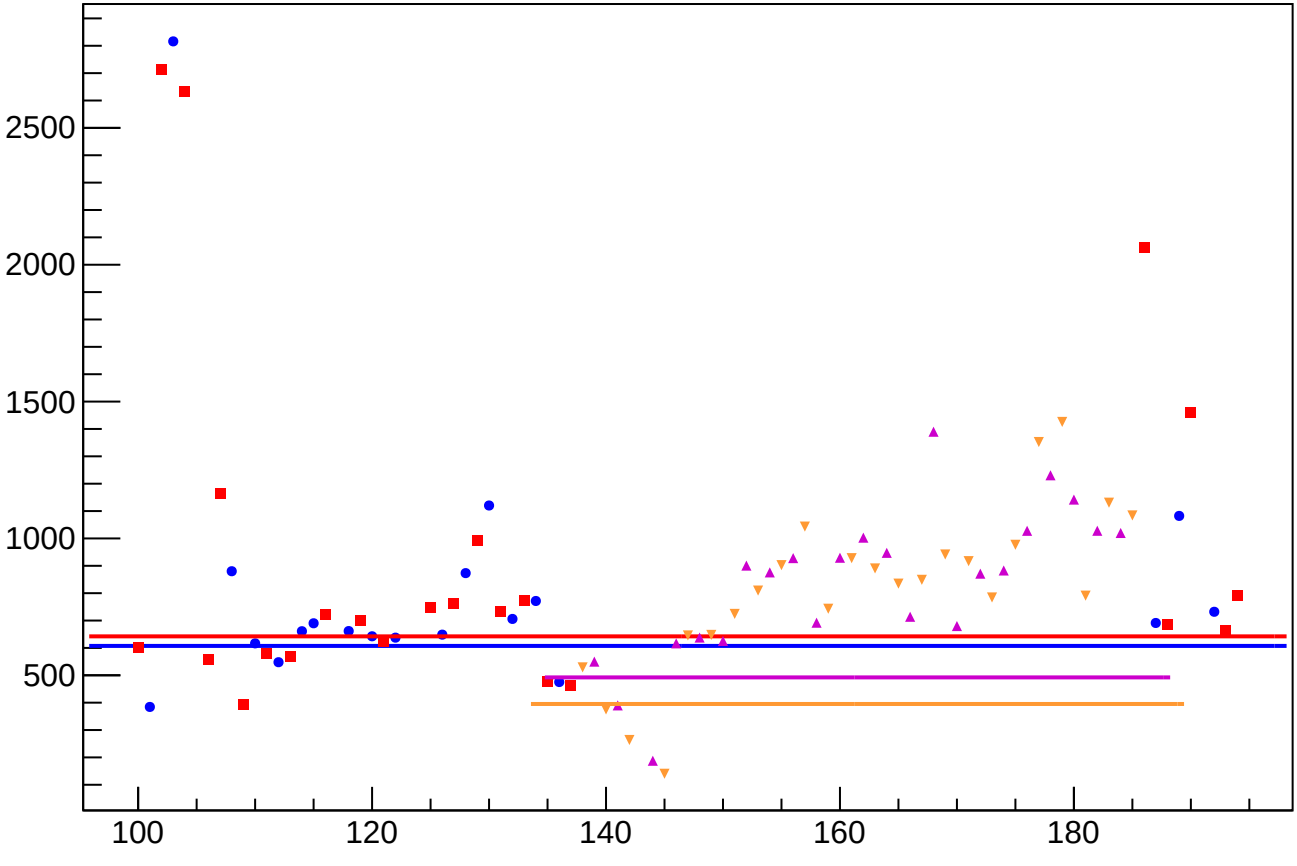
Right: -45.070+/-152.269 χ^2/NDF: 37.9/41

In: 132.520+/-115.921 χ^2/NDF:31.1/41

Out: -44.188+/-104.202 χ^2/NDF:42.1/46

All: 34.785+/-77.495 χ^2/NDF: 74.5/88

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 607.324+/-0.153 χ^2/NDF: 2038292.4/18

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

Right Out: 642.233+/-0.151 χ^2/NDF: 2903436.4/22

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

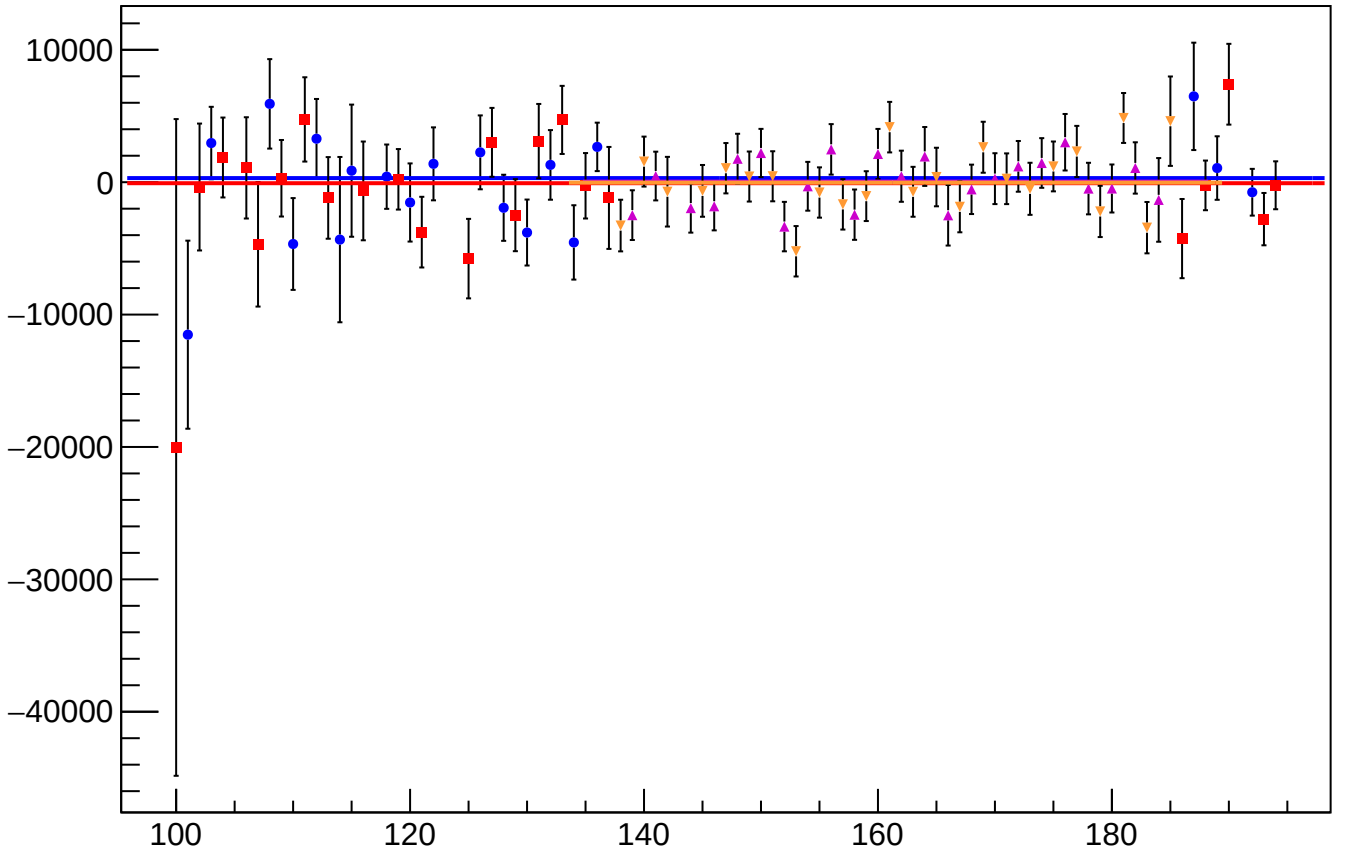
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

Right: 625.029+/-0.108 χ^2/NDF: 4968003.9/41

In: 525.149+/-0.082 χ^2/NDF:12859619.3/41

Out: 453.865+/-0.074 χ^2/NDF:19273725.0/46

All: 485.723+/-0.055 χ^2/NDF: 32551638.4/88



Right In: 311.013+/-633.459 χ^2/NDF: 22.2/18

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: -75.572+/-580.939 χ^2/NDF: 27.0/22

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

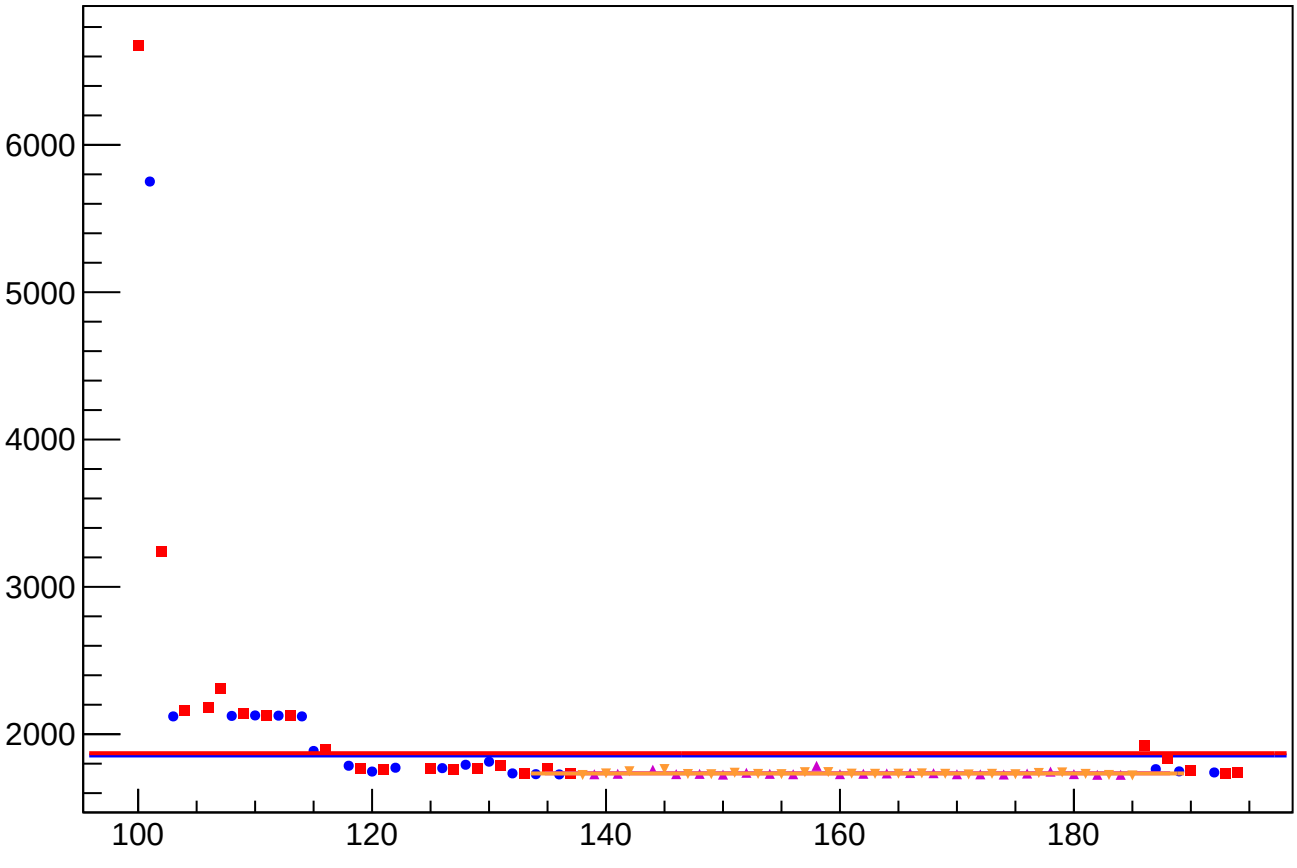
Left: 6.293+/-285.443 χ^2/NDF: 55.3/46

Right: 101.033+/-428.152 χ^2/NDF: 49.4/41

In: 120.400+/-341.252 χ^2/NDF:42.2/41

Out: -44.360+/-330.748 χ^2/NDF:62.4/46

All: 35.445+/-237.501 χ^2/NDF: 104.8/88



Right In: 1855.598+/-0.448 χ^2/NDF: 706979.8/18

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1870.980+/-0.411 χ^2/NDF: 385810.4/22

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

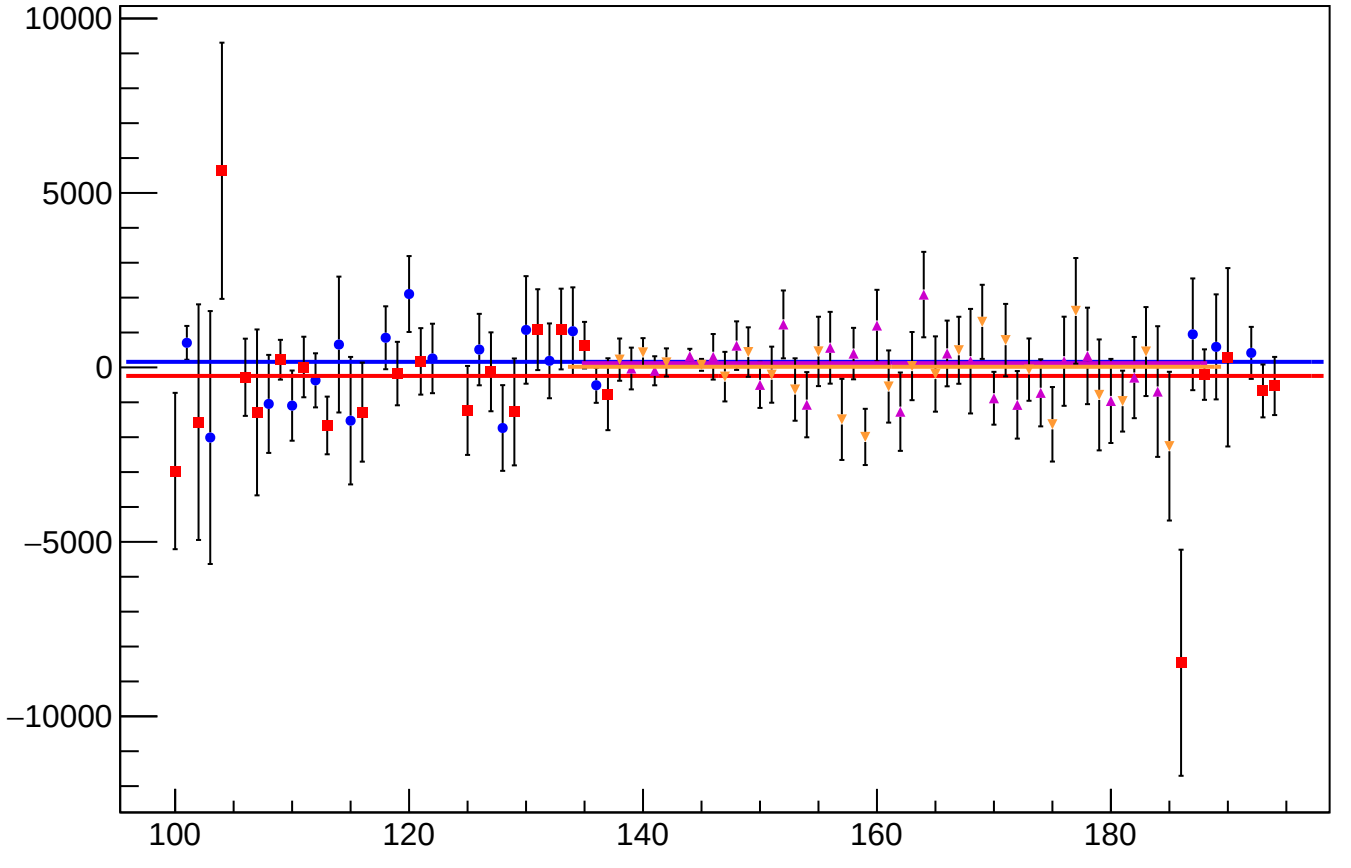
Right: 1863.953+/-0.303 χ^2/NDF: 1093430.8/41

In: 1769.864+/-0.241 χ^2/NDF:760769.6/41

Out: 1778.048+/-0.234 χ^2/NDF:462437.6/46

All: 1774.084+/-0.168 χ^2/NDF: 1223800.4/88

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 159.566+/-216.904 χ^2/NDF: 14.6/18

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

Right Out: -243.913+/-213.811 χ^2/NDF: 21.5/22

Left In: 121.706+/-137.150 χ^2/NDF:16.5/22

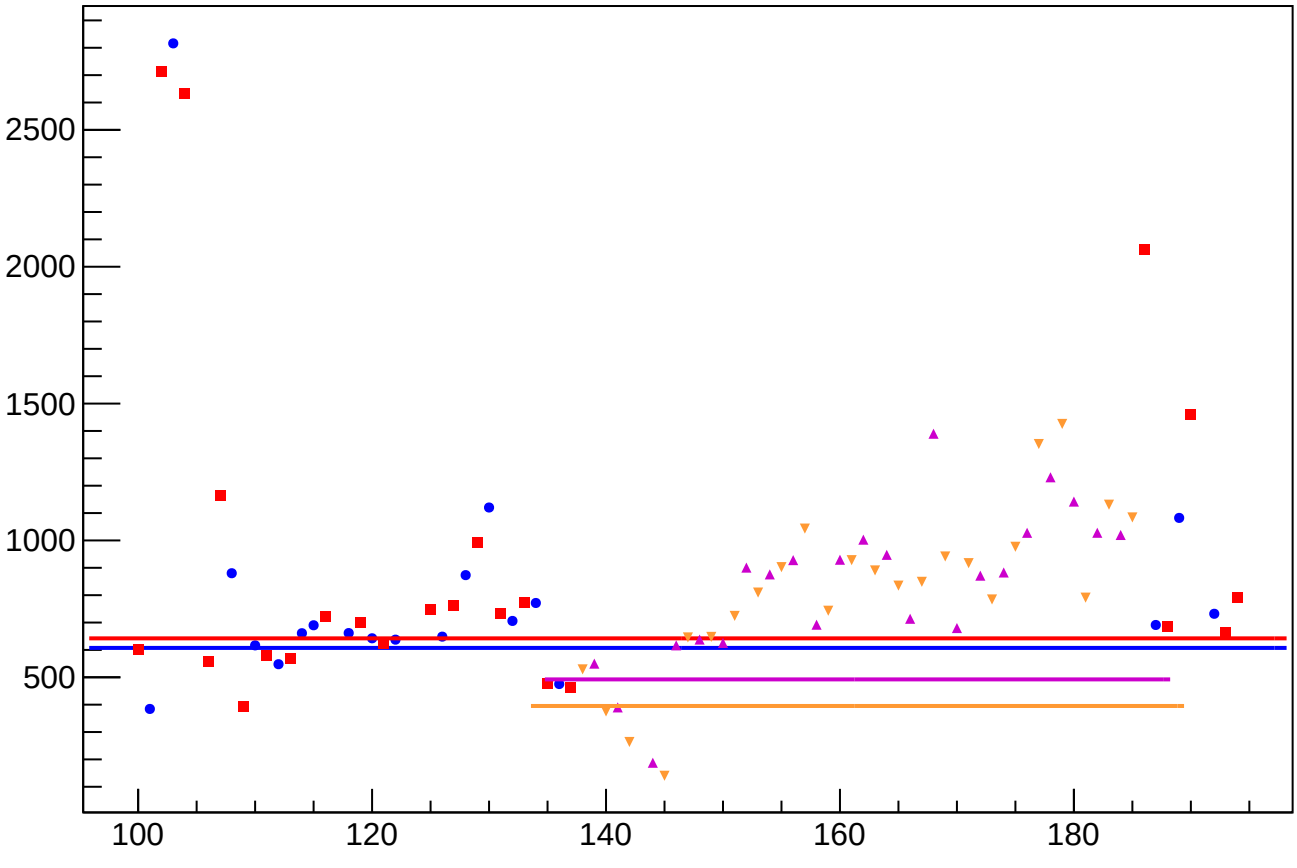
Left: 62.698+/-90.026 χ^2/NDF: 36.2/46

Right: -45.071+/-152.269 χ^2/NDF: 37.9/41

In: 132.519+/-115.921 χ^2/NDF:31.1/41

Out: -44.189+/-104.202 χ^2/NDF:42.1/46

All: 34.784+/-77.495 χ^2/NDF: 74.5/88



Right In: 607.321+/-0.153 χ^2/NDF: 2038277.9/18

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 642.229+/-0.151 χ^2/NDF: 2903453.7/22

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

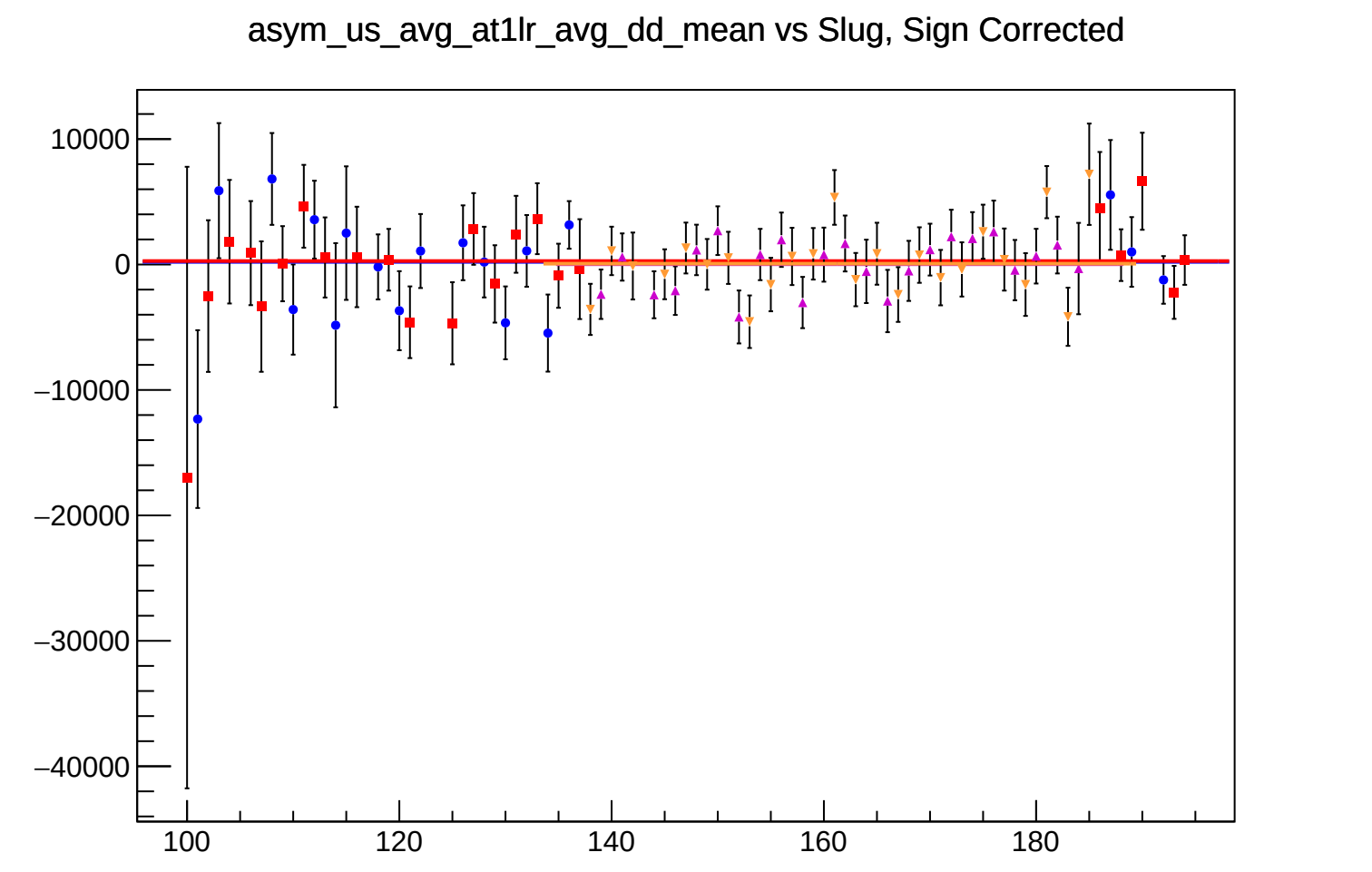
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

Right: 625.026+/-0.108 χ^2/NDF: 4968003.9/41

In: 525.149+/-0.082 χ^2/NDF:12859610.8/41

Out: 453.865+/-0.074 χ^2/NDF:19273733.5/46

All: 485.722+/-0.055 χ^2/NDF: 32551644.5/88



Right In: 213.242+/-697.677 χ^2/NDF: 23.3/18

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: 276.943+/-643.145 χ^2/NDF: 16.6/22

Left In: 25.575+/-450.755 χ^2/NDF:20.0/22

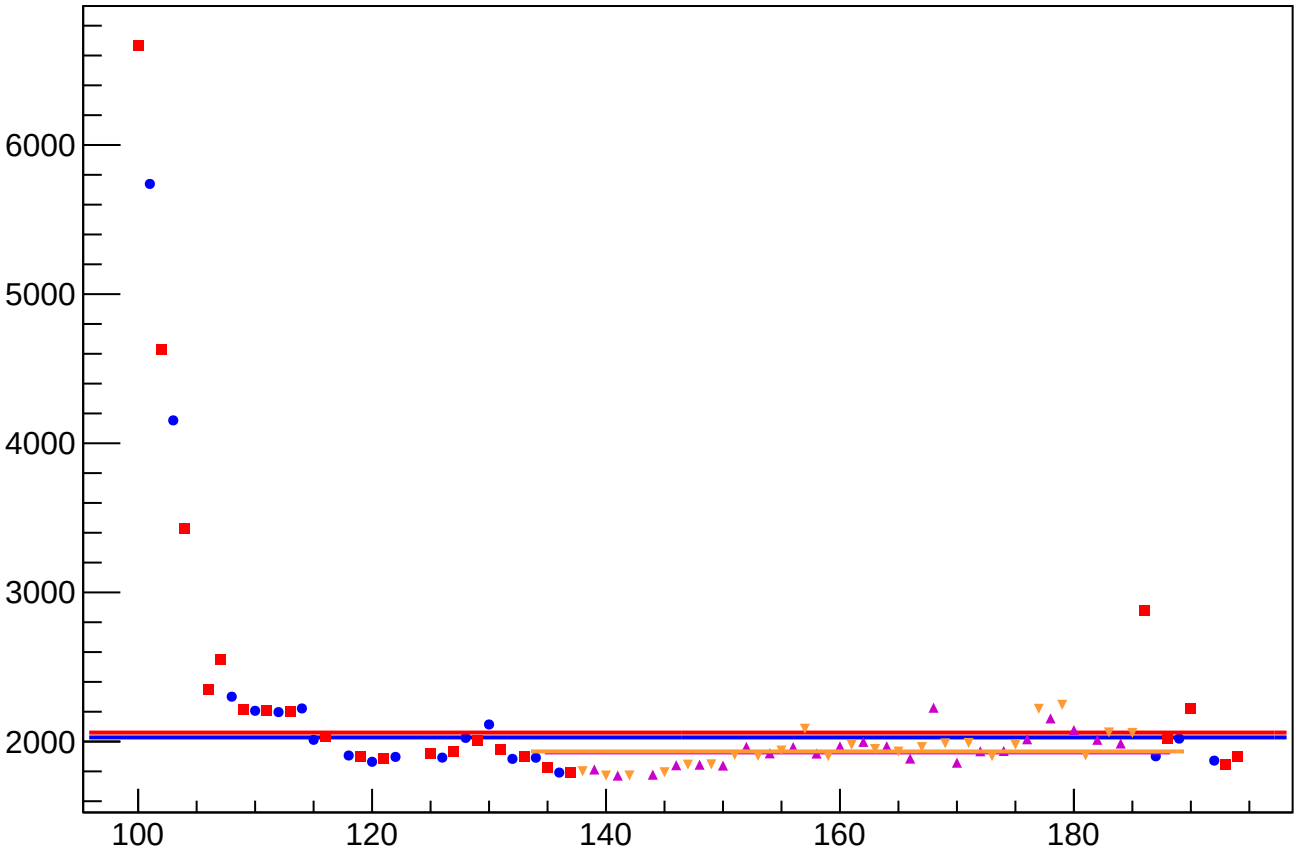
Left: 46.164+/-318.376 χ^2/NDF: 53.6/46

Right: 247.679+/-472.877 χ^2/NDF: 40.0/41

In: 80.842+/-378.609 χ^2/NDF:43.3/41

Out: 135.721+/-368.571 χ^2/NDF:50.3/46

All: 109.018+/-264.097 χ^2/NDF: 93.6/88



Right In: 2027.702+/-0.493 χ^2/NDF: 958186.1/18

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

Right Out: 2060.350+/-0.455 χ^2/NDF: 788449.6/22

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

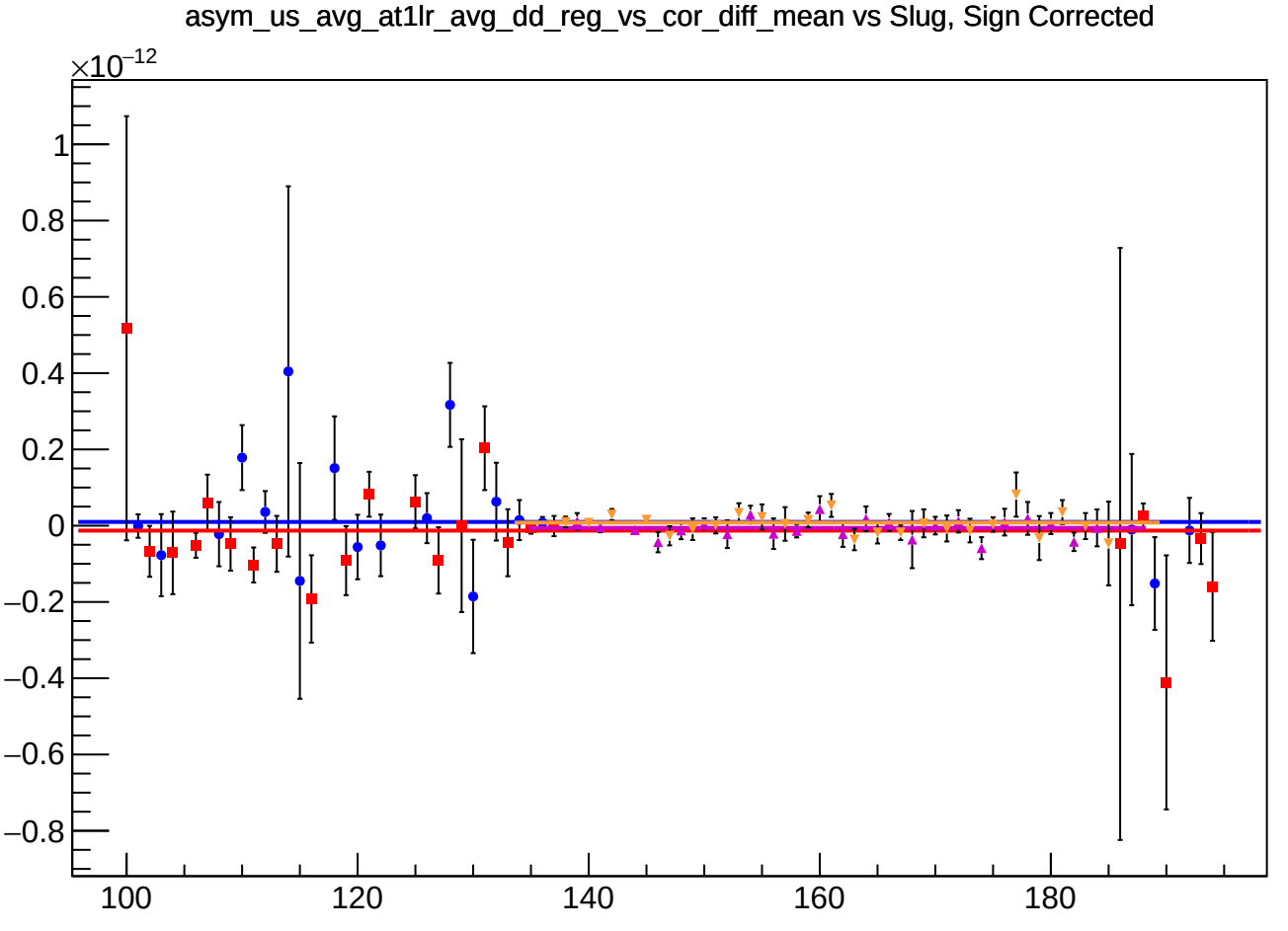
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

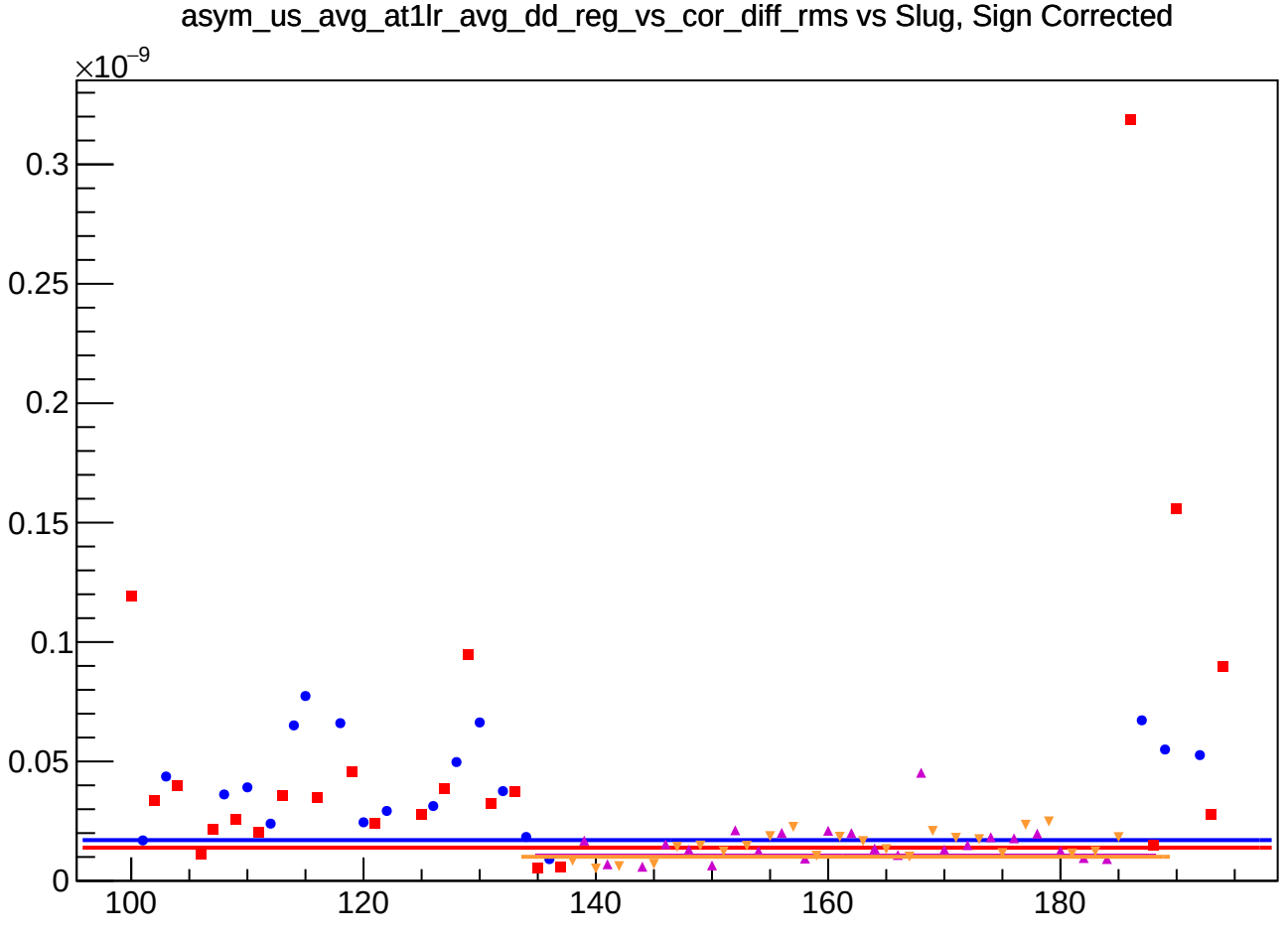
Right: 2045.351+/-0.334 χ^2/NDF: 1749003.3/41

In: 1956.744+/-0.268 χ^2/NDF:1103945.7/41

Out: 1975.364+/-0.261 χ^2/NDF:968981.6/46

All: 1966.304+/-0.187 χ^2/NDF: 2075410.9/88


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
Right In: 0.000+/-0.000 χ²/NDF: 19.9/18
Left Out: 0.000+/-0.000 χ²/NDF:17.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 24.9/22
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: 47.0/41
In: -0.000+/-0.000 χ²/NDF:38.2/41
Out: 0.000+/-0.000 χ²/NDF:45.9/46
All: 0.000+/-0.000 χ²/NDF: 86.2/88



Right In: 0.000+/-0.000 χ^2/NDF: 2626672.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3838722.6/22

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4866060.2/46

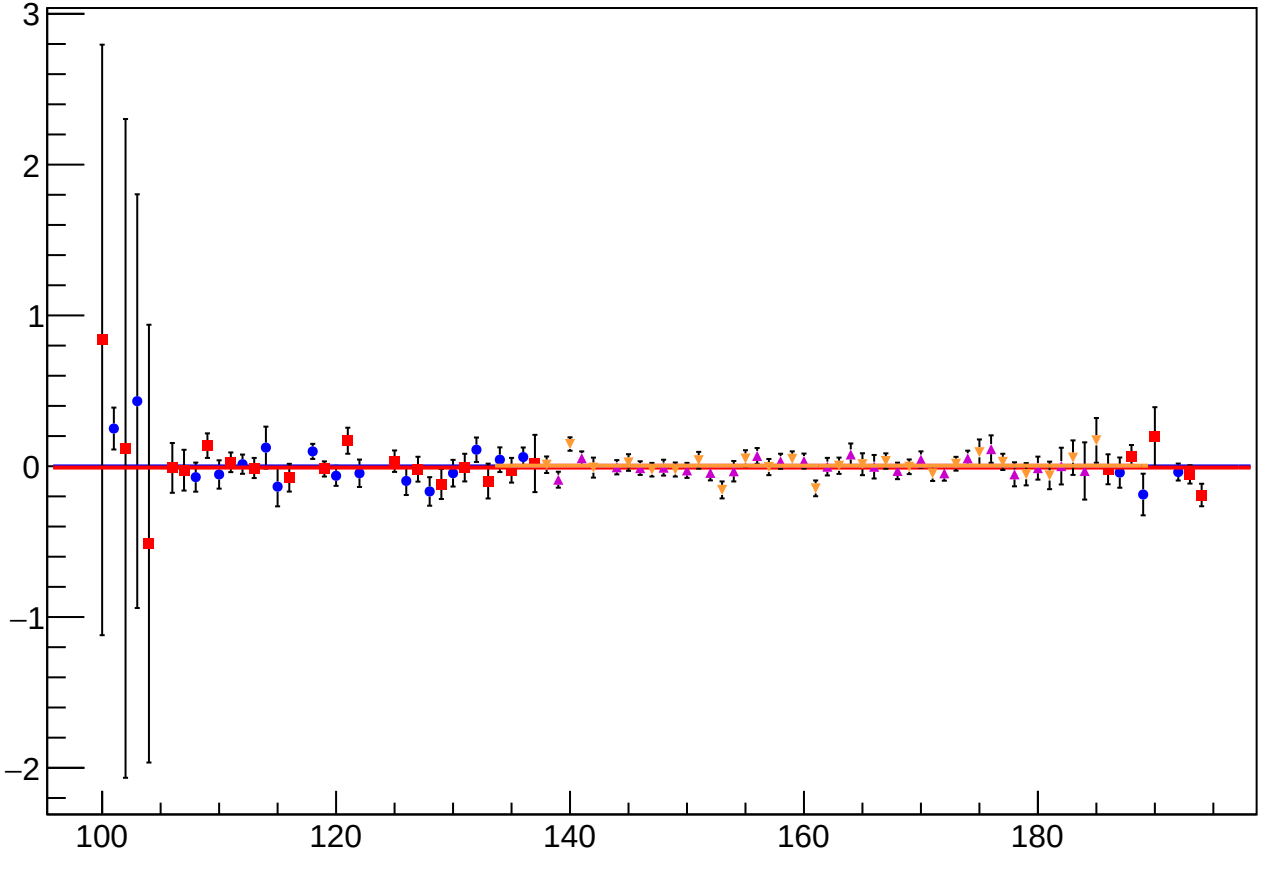
Right: 0.000+/-0.000 χ^2/NDF: 6552182.8/41

In: 0.000+/-0.000 χ^2/NDF:5763155.7/41

Out: 0.000+/-0.000 χ^2/NDF:6360156.5/46

All: 0.000+/-0.000 χ^2/NDF: 12158276.5/88

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.019 χ^2/NDF: 21.2/18

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.009+/-0.019 χ^2/NDF: 19.4/22

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

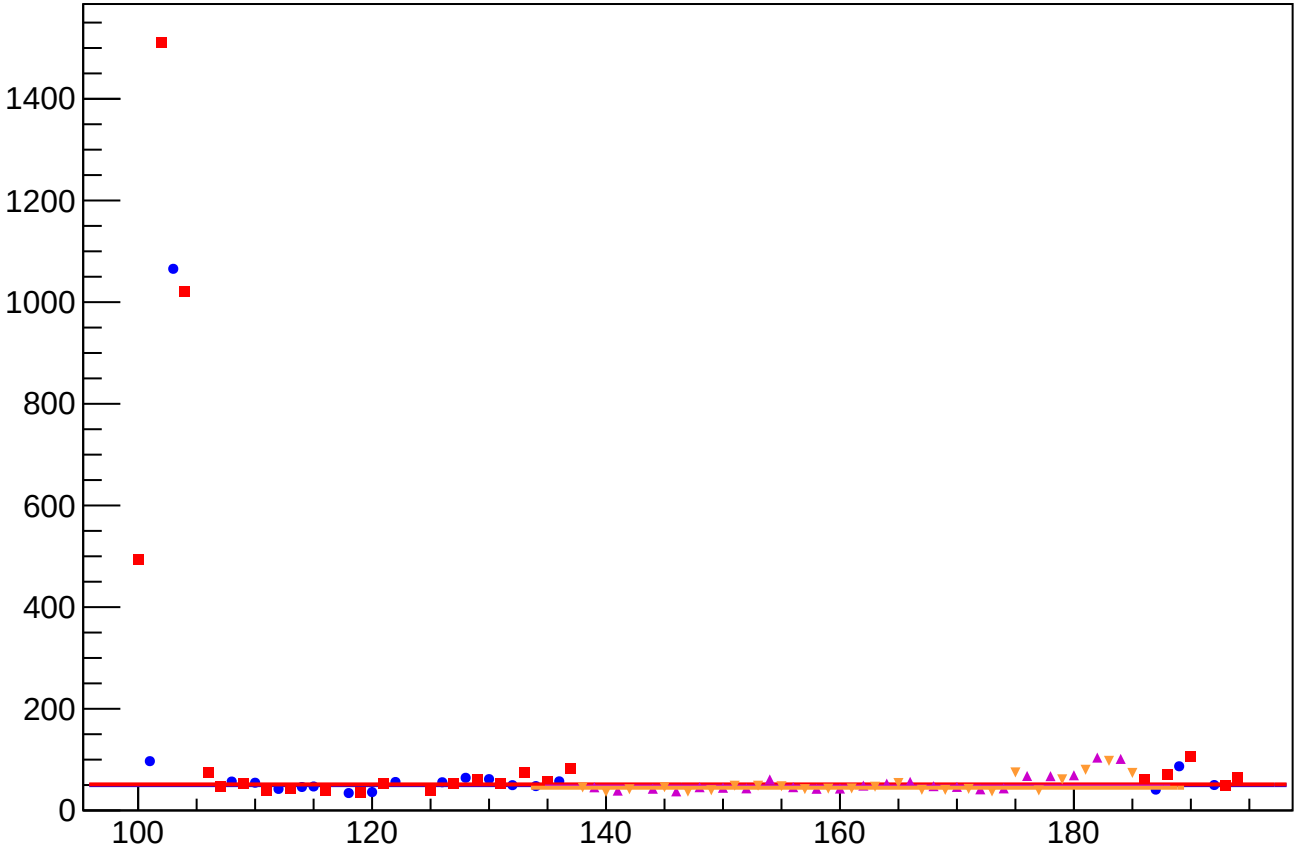
Right: -0.005+/-0.013 χ^2/NDF: 40.7/41

In: 0.002+/-0.010 χ^2/NDF:35.7/41

Out: 0.000+/-0.010 χ^2/NDF:54.8/46

All: 0.001+/-0.007 χ^2/NDF: 90.5/88

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.831+/-0.013 χ^2/NDF: 1938074.5/18

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 51.248+/-0.013 χ^2/NDF: 2847499.3/22

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

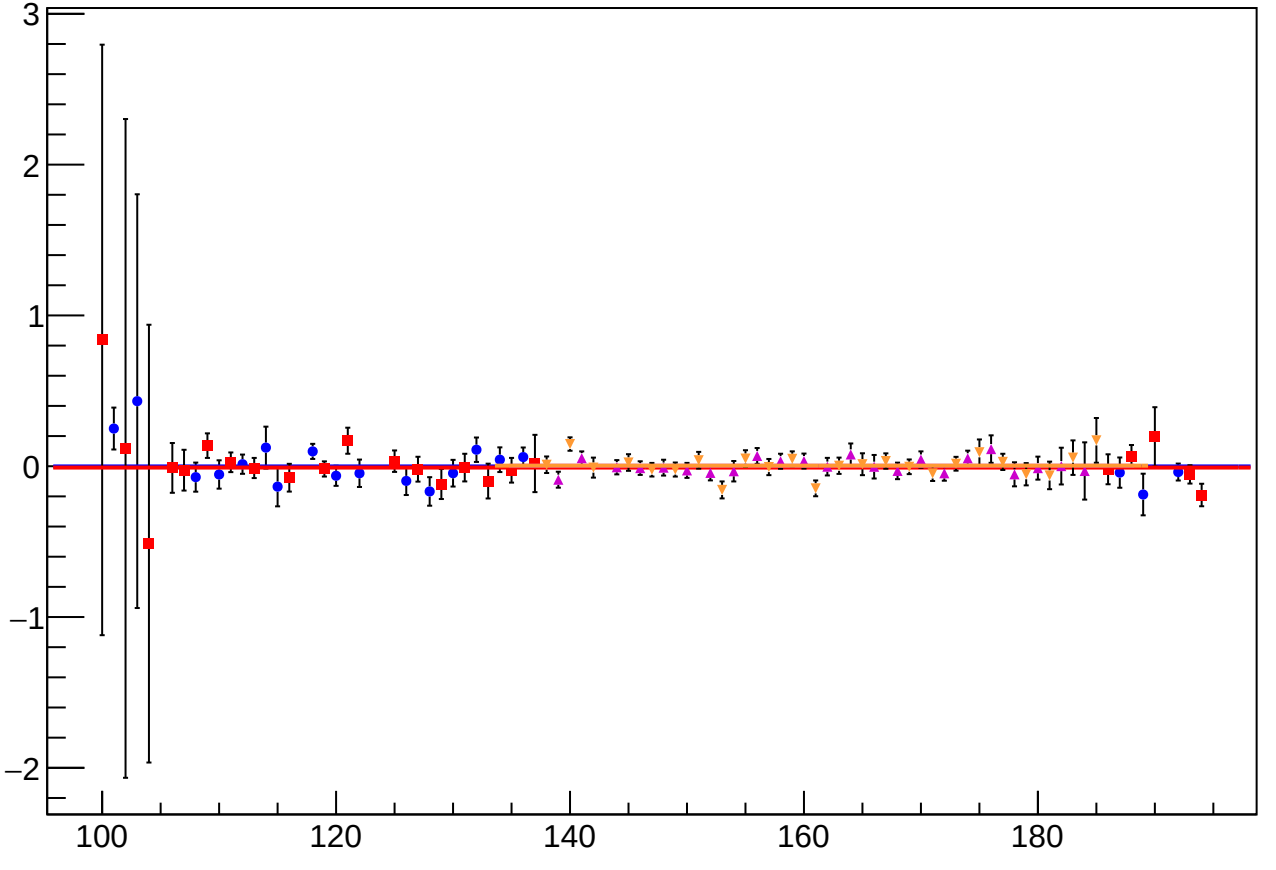
Right: 50.561+/-0.009 χ^2/NDF: 4791260.4/41

In: 47.820+/-0.007 χ^2/NDF:3352023.3/41

Out: 46.550+/-0.007 χ^2/NDF:4507772.1/46

All: 47.163+/-0.005 χ^2/NDF: 7876091.7/88

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.019 χ^2/NDF: 21.2/18

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.009+/-0.019 χ^2/NDF: 19.4/22

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

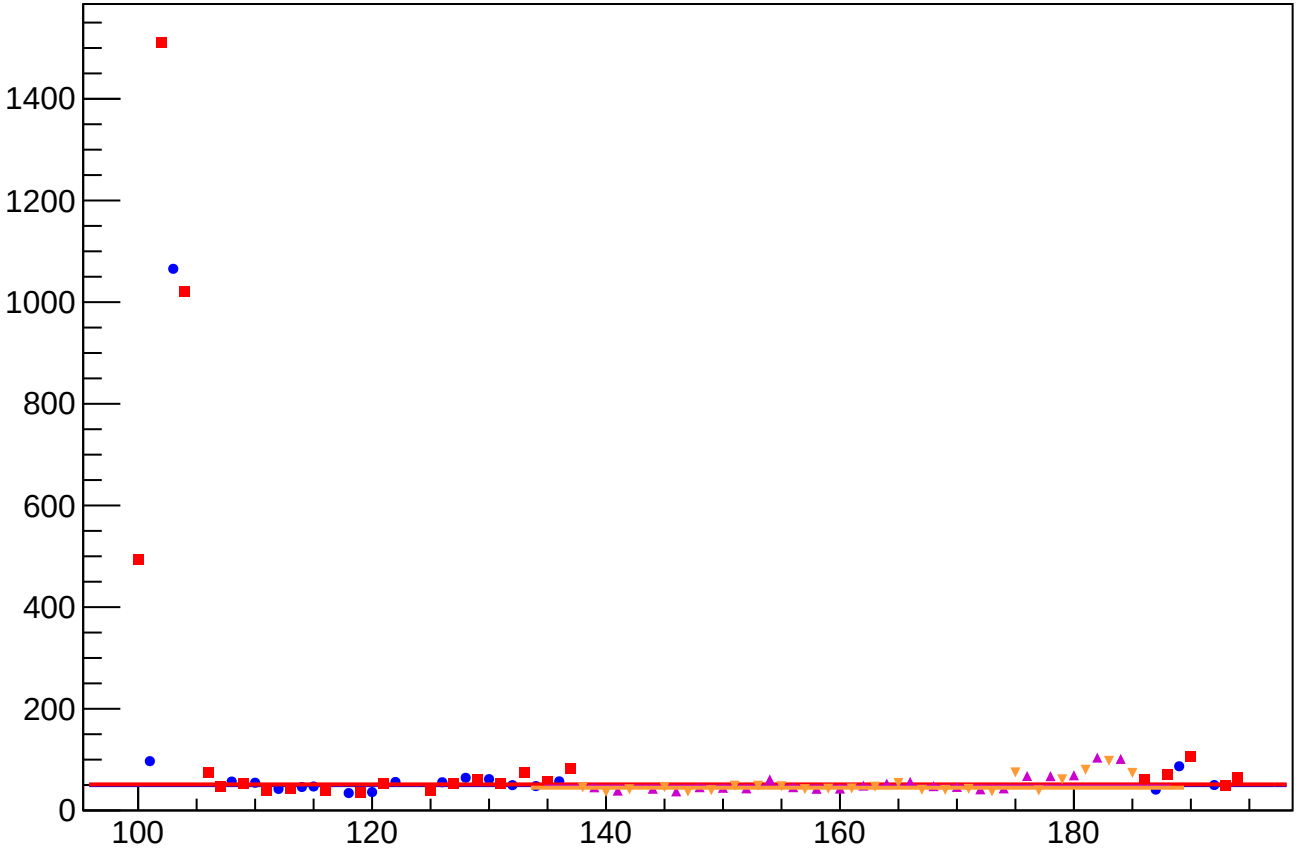
Right: -0.005+/-0.013 χ^2/NDF: 40.7/41

In: 0.002+/-0.010 χ^2/NDF:35.7/41

Out: 0.000+/-0.010 χ^2/NDF:54.8/46

All: 0.001+/-0.007 χ^2/NDF: 90.5/88

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.831+/-0.013 χ^2/NDF: 1938074.5/18

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 51.248+/-0.013 χ^2/NDF: 2847499.3/22

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

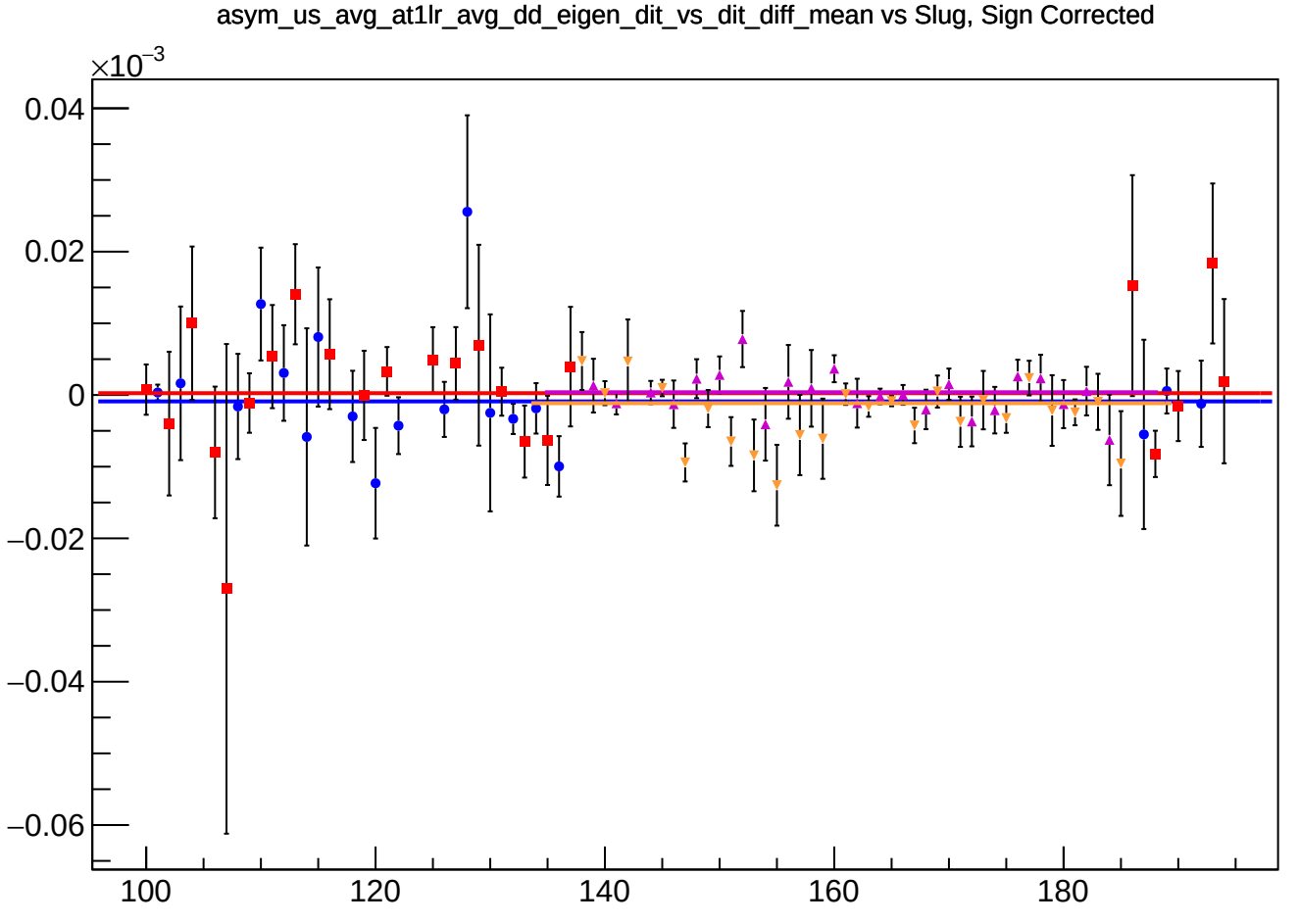
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 50.561+/-0.009 χ^2/NDF: 4791260.4/41

In: 47.820+/-0.007 χ^2/NDF:3352023.3/41

Out: 46.550+/-0.007 χ^2/NDF:4507772.1/46

All: 47.163+/-0.005 χ^2/NDF: 7876091.7/88



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/22

Left In: 0.000+/-0.000 χ^2/NDF:16.3/22

Left: -0.000+/-0.000 χ^2/NDF: 57.8/46

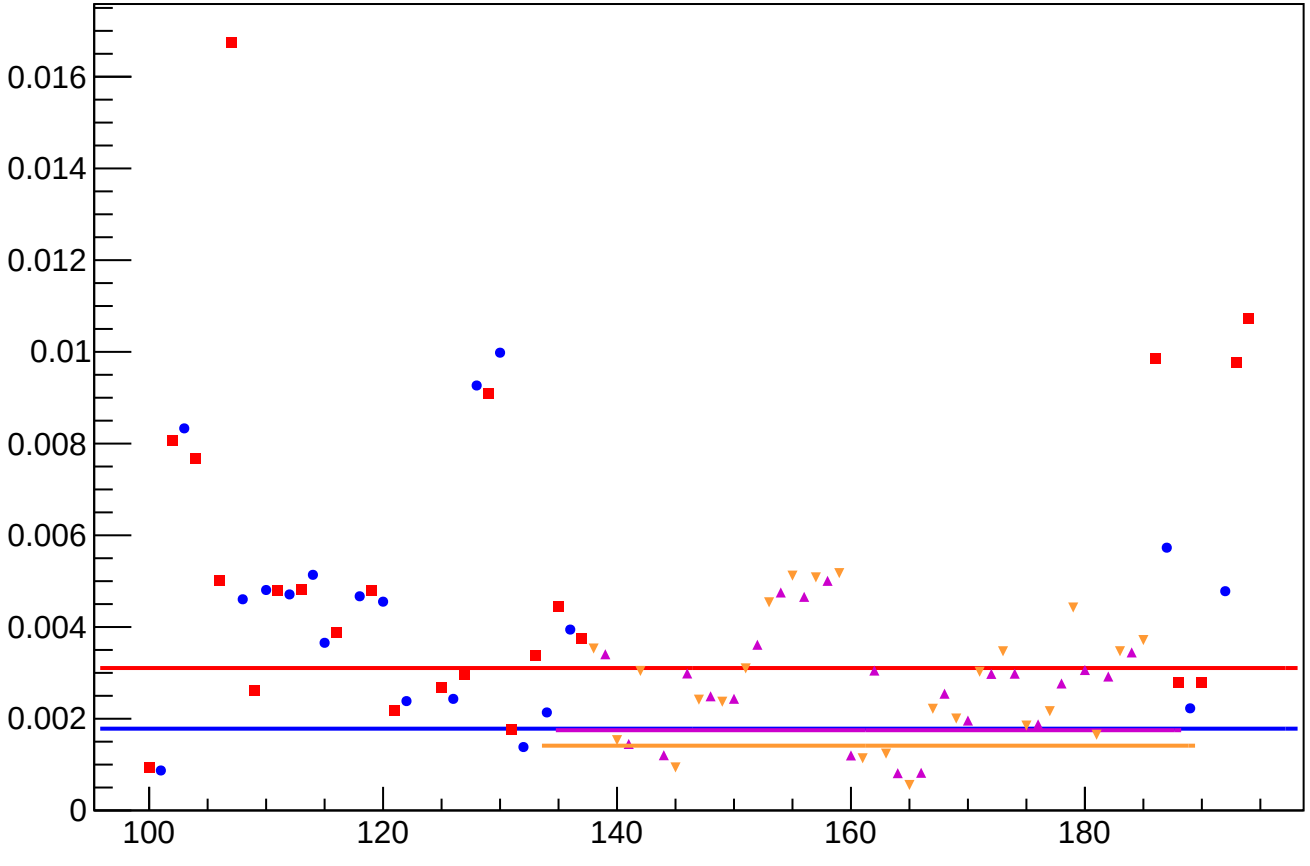
Right: -0.000+/-0.000 χ^2/NDF: 43.7/41

In: 0.000+/-0.000 χ^2/NDF:37.2/41

Out: -0.000+/-0.000 χ^2/NDF:61.0/46

All: -0.000+/-0.000 χ^2/NDF: 101.4/88

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: 6706844.7/18

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 5417857.4/22

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

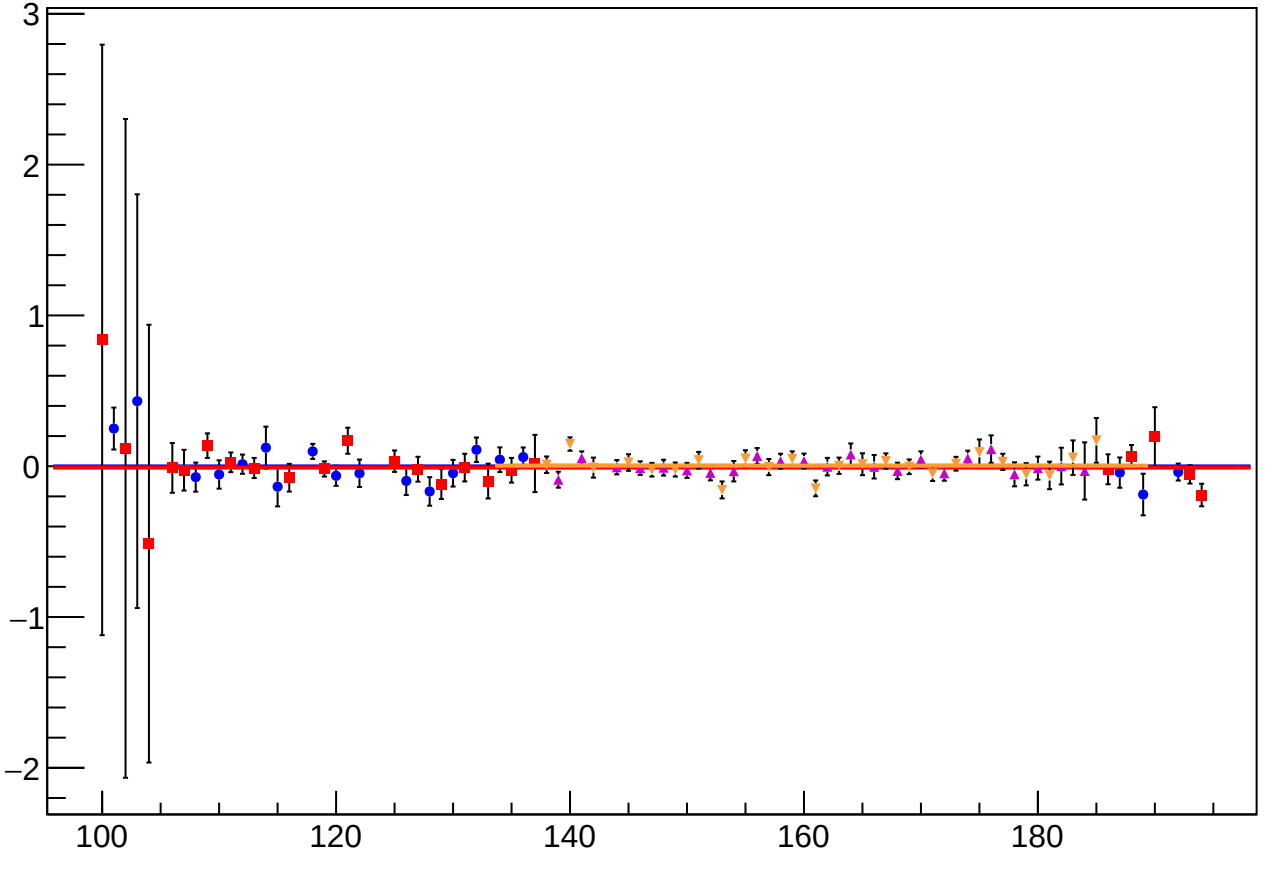
Right: 0.002+/-0.000 χ^2/NDF: 13920305.9/41

In: 0.002+/-0.000 χ^2/NDF:14948418.3/41

Out: 0.002+/-0.000 χ^2/NDF:20863296.1/46

All: 0.002+/-0.000 χ^2/NDF: 35959972.2/88

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.019 χ^2/NDF: 21.2/18

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.009+/-0.019 χ^2/NDF: 19.4/22

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

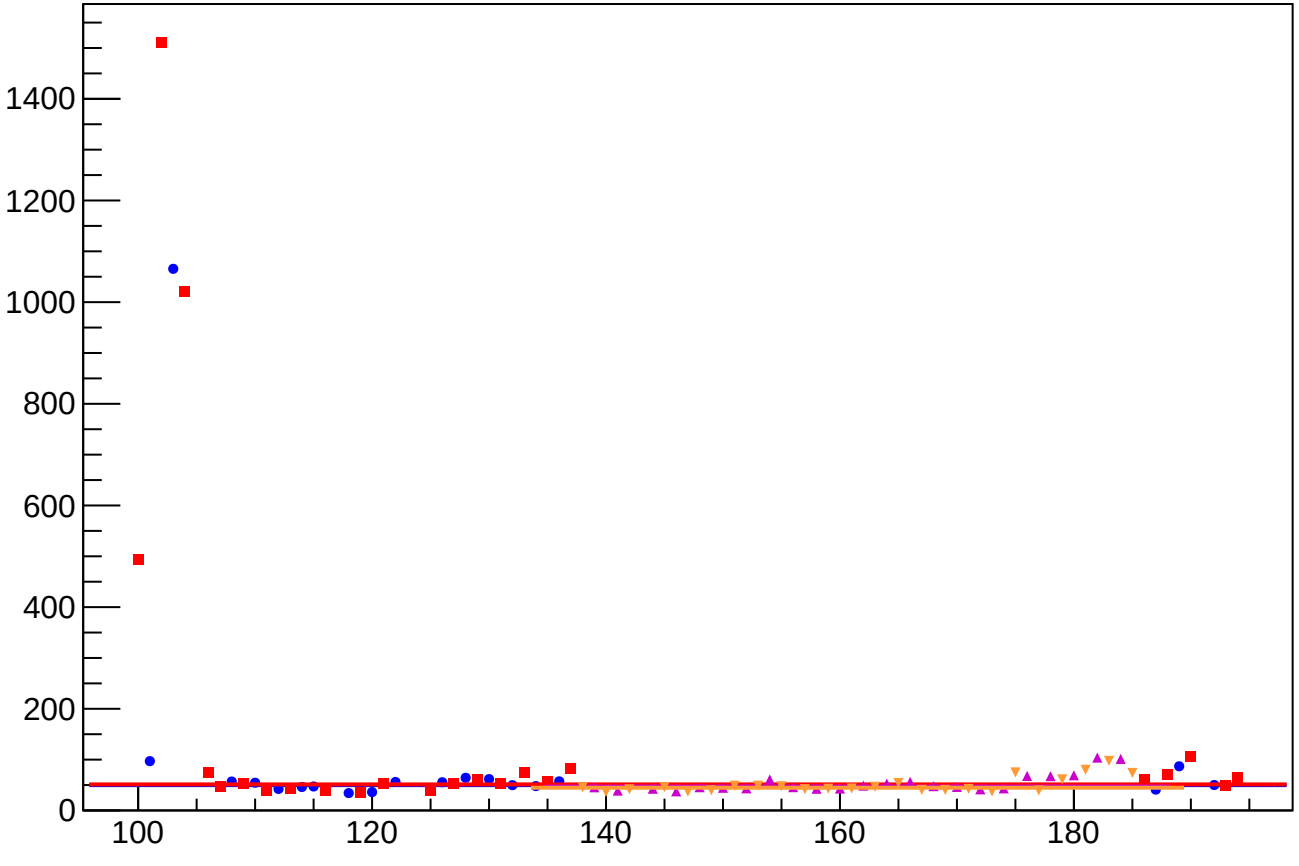
Right: -0.005+/-0.013 χ^2/NDF: 40.7/41

In: 0.002+/-0.010 χ^2/NDF:35.7/41

Out: 0.000+/-0.010 χ^2/NDF:54.8/46

All: 0.001+/-0.007 χ^2/NDF: 90.5/88

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.831+/-0.013 χ^2/NDF: 1937993.9/18

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 51.247+/-0.013 χ^2/NDF: 2847564.7/22

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

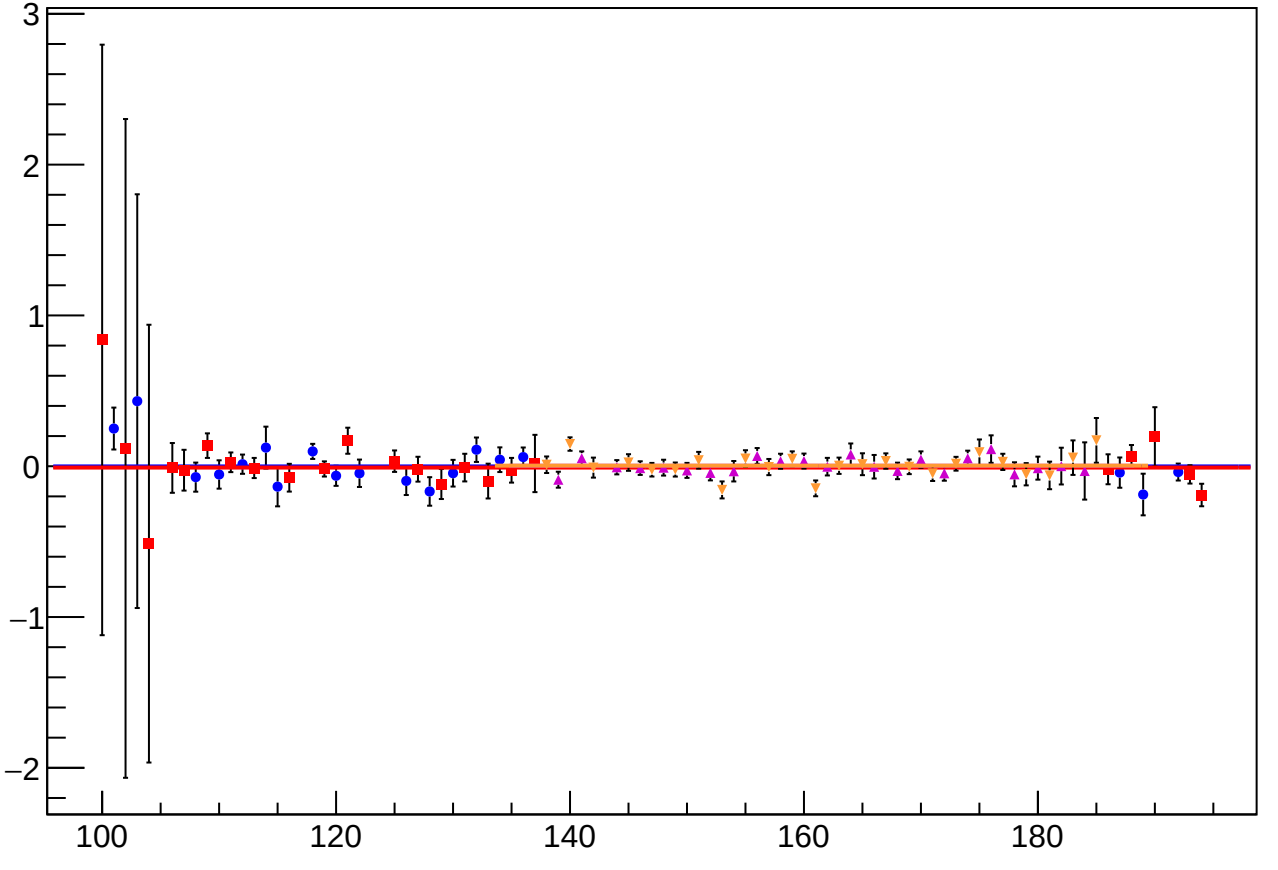
Right: 50.561+/-0.009 χ^2/NDF: 4791241.4/41

In: 47.820+/-0.007 χ^2/NDF:3352011.5/41

Out: 46.550+/-0.007 χ^2/NDF:4507784.2/46

All: 47.163+/-0.005 χ^2/NDF: 7876087.3/88

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.019 χ^2/NDF: 21.2/18

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.009+/-0.019 χ^2/NDF: 19.4/22

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

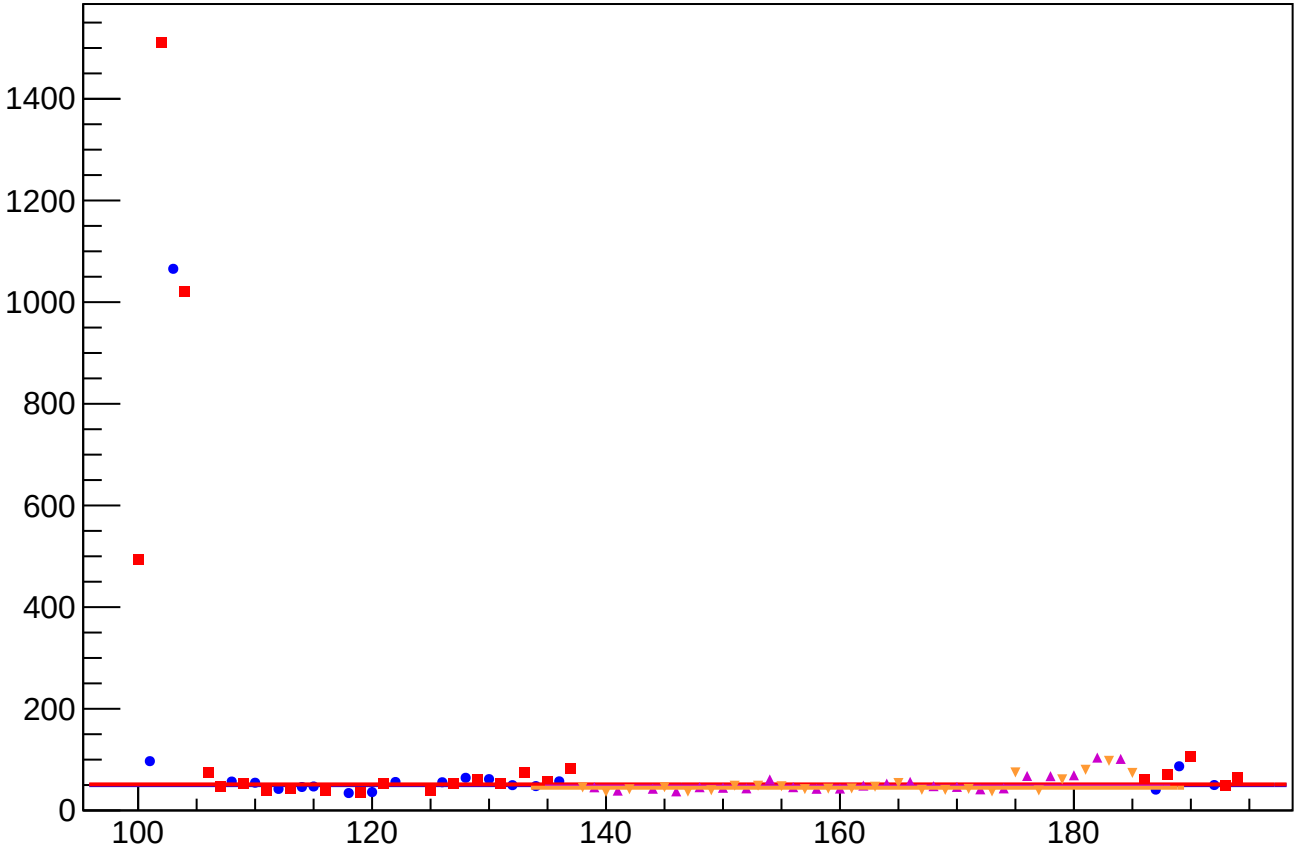
Right: -0.005+/-0.013 χ^2/NDF: 40.7/41

In: 0.002+/-0.010 χ^2/NDF:35.7/41

Out: 0.000+/-0.010 χ^2/NDF:54.8/46

All: 0.001+/-0.007 χ^2/NDF: 90.5/88

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.831+/-0.013 χ^2/NDF: 1937993.9/18

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 51.247+/-0.013 χ^2/NDF: 2847564.7/22

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

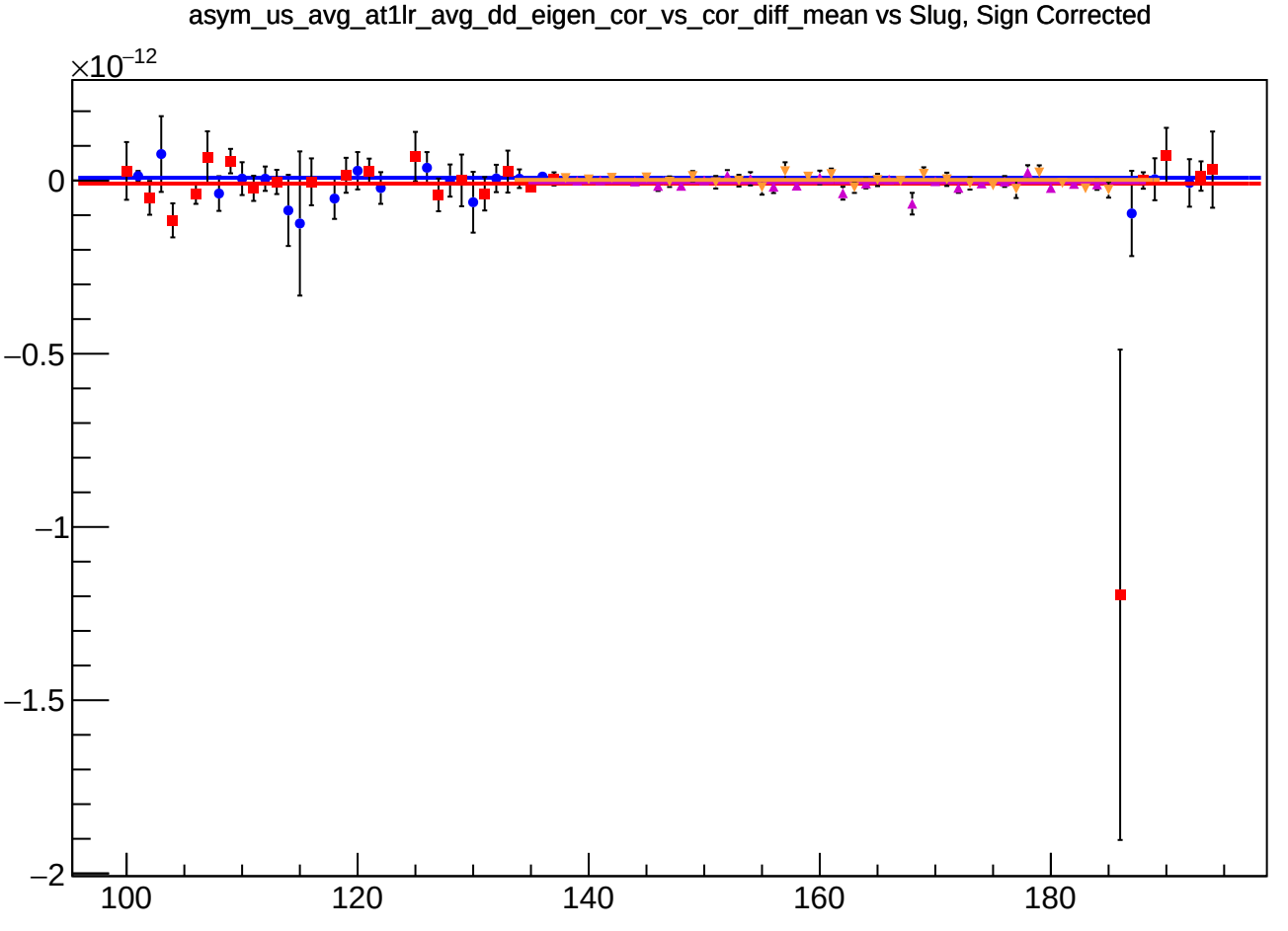
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 50.561+/-0.009 χ^2/NDF: 4791241.4/41

In: 47.820+/-0.007 χ^2/NDF:3352011.5/41

Out: 46.550+/-0.007 χ^2/NDF:4507784.2/46

All: 47.163+/-0.005 χ^2/NDF: 7876087.3/88



Right In: 0.000+/-0.000 χ^2/NDF: 6.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/22

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

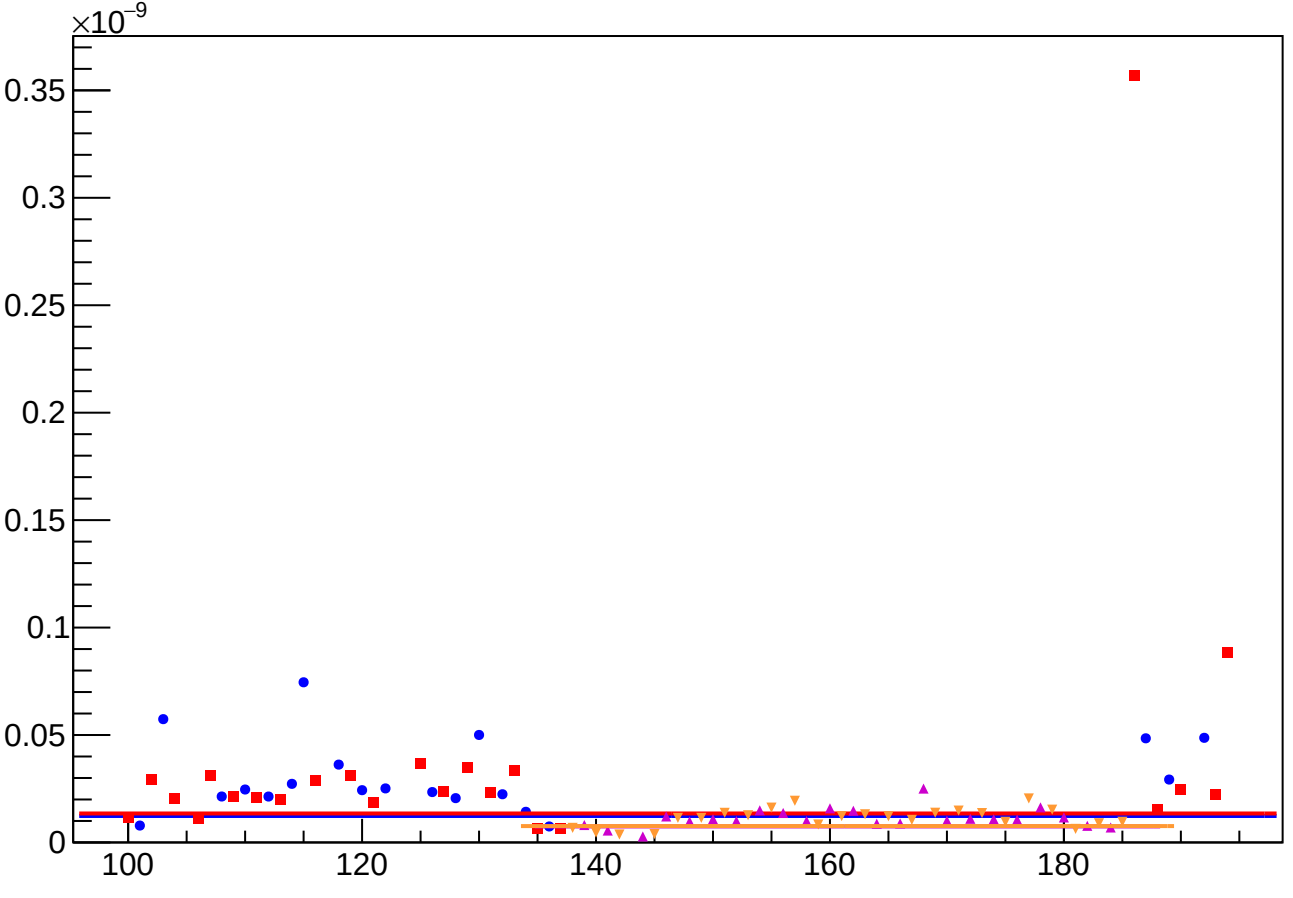
Right: -0.000+/-0.000 χ^2/NDF: 30.0/41

In: -0.000+/-0.000 χ^2/NDF:27.5/41

Out: 0.000+/-0.000 χ^2/NDF:43.5/46

All: -0.000+/-0.000 χ^2/NDF: 72.8/88

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3815810.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4489087.8/22

Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

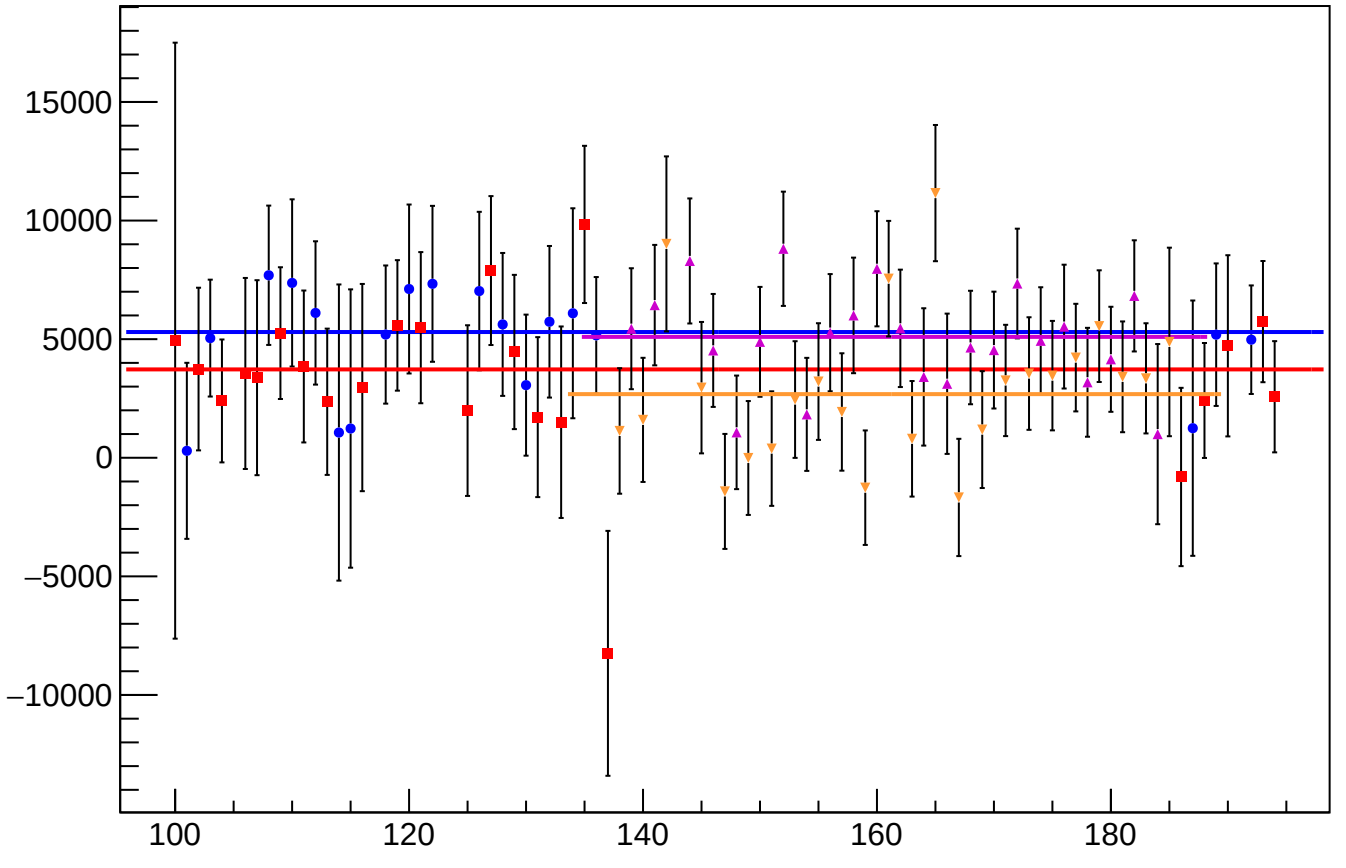
Left: 0.000+/-0.000 χ^2/NDF: 11550721.9/46

Right: 0.000+/-0.000 χ^2/NDF: 8334761.1/41

In: 0.000+/-0.000 χ^2/NDF:10758679.7/41

Out: 0.000+/-0.000 χ^2/NDF:11384398.5/46

All: 0.000+/-0.000 χ^2/NDF: 22155046.3/88



Right In: 5300.967+/-735.024 χ^2/NDF: 6.0/18

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: 3724.982+/-678.433 χ^2/NDF: 15.7/22

Left In: 5096.427+/-516.232 χ^2/NDF:14.9/22

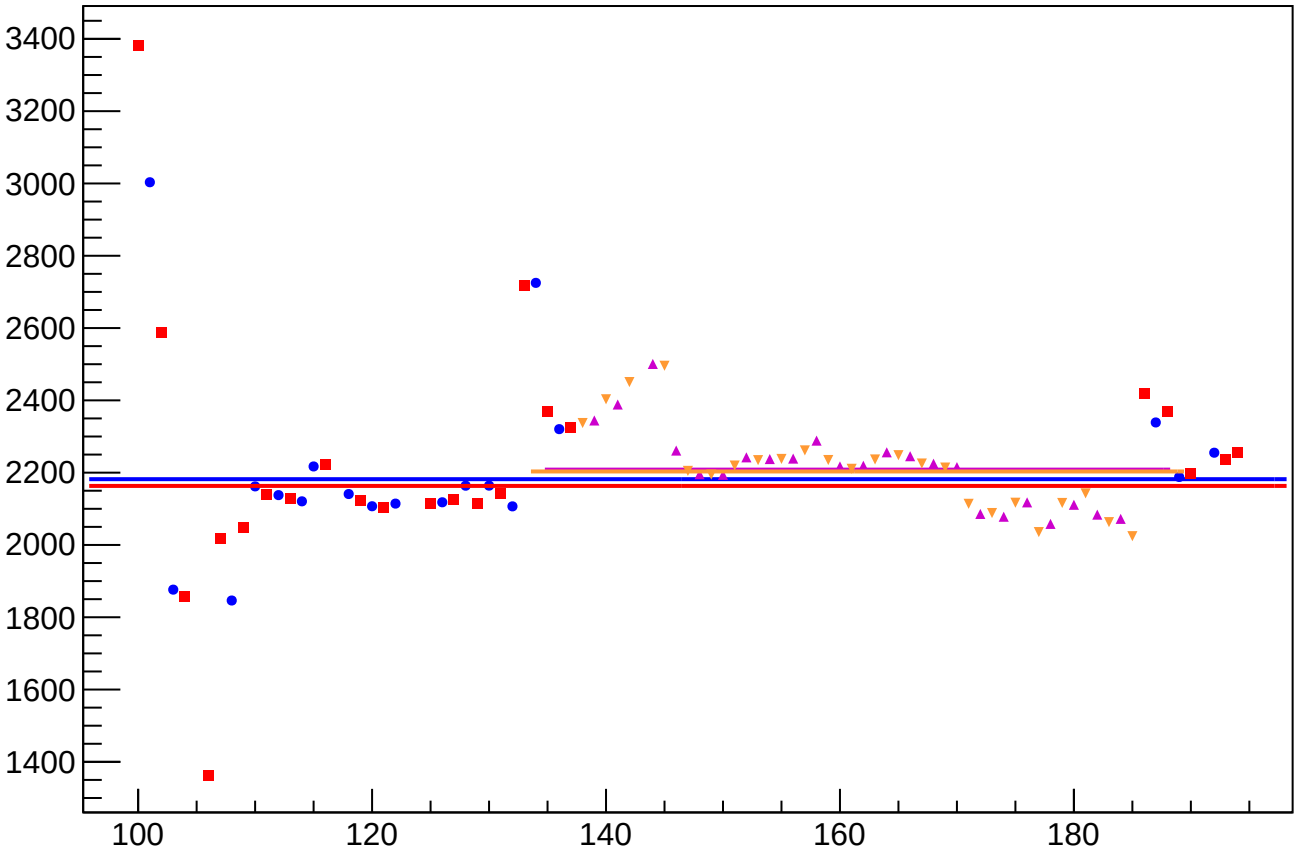
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4449.978+/-498.532 χ^2/NDF: 24.2/41

In: 5163.993+/-422.450 χ^2/NDF:21.0/41

Out: 3061.042+/-408.690 χ^2/NDF:48.1/46

All: 4077.712+/-293.732 χ^2/NDF: 81.8/88



Right In: 2181.968+/-0.520 χ^2/NDF: 199947.2/18

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2163.312+/-0.474 χ^2/NDF: 304732.0/22

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

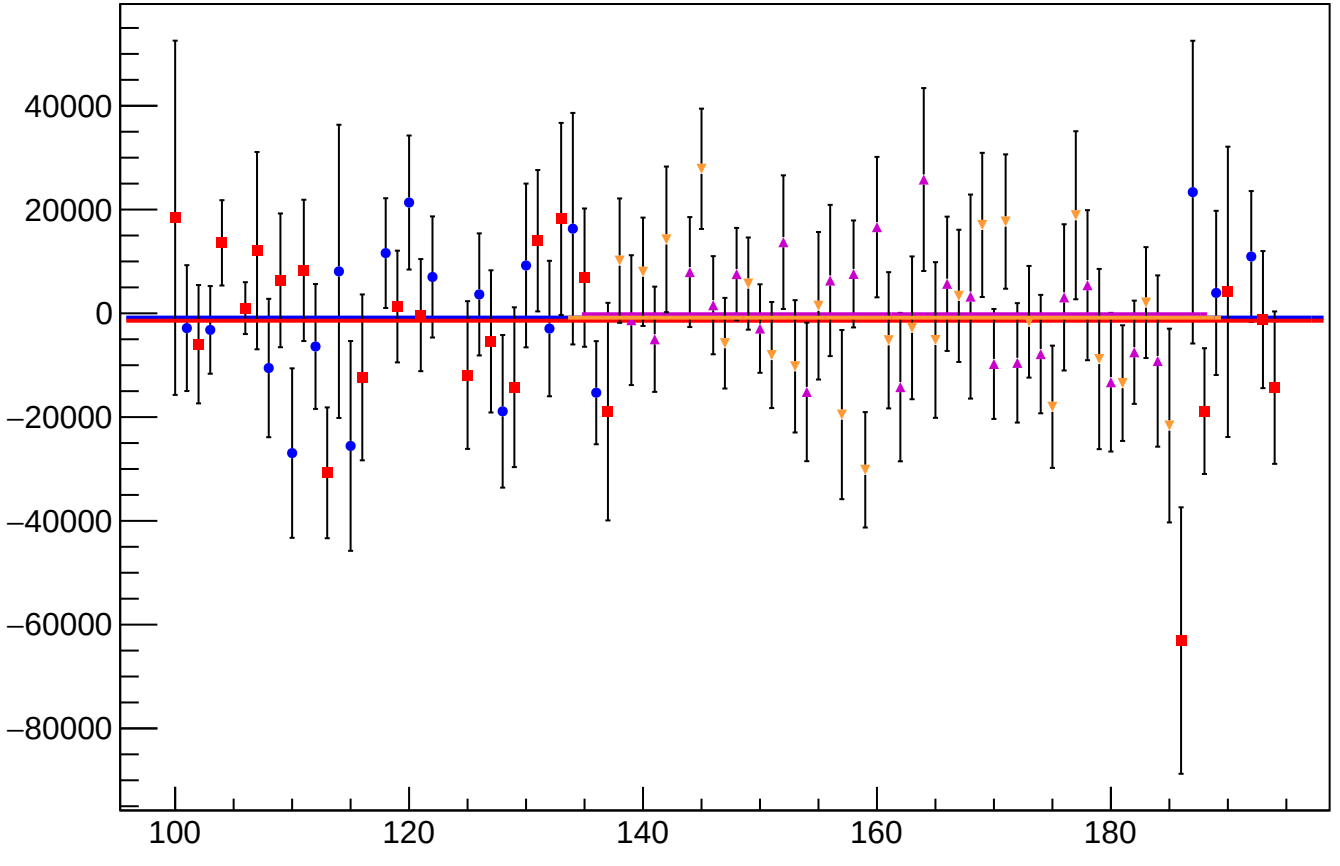
Right: 2171.790+/-0.350 χ^2/NDF: 505382.2/41

In: 2199.655+/-0.299 χ^2/NDF:282670.8/41

Out: 2188.577+/-0.288 χ^2/NDF:397430.3/46

All: 2193.910+/-0.207 χ^2/NDF: 680814.3/88

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -823.046+/-3037.670 χ^2/NDF: 16.2/18

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

Right Out: -1422.175+/-2535.344 χ^2/NDF: 24.8/22

Left In: -182.426+/-2471.223 χ^2/NDF:13.8/22

Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

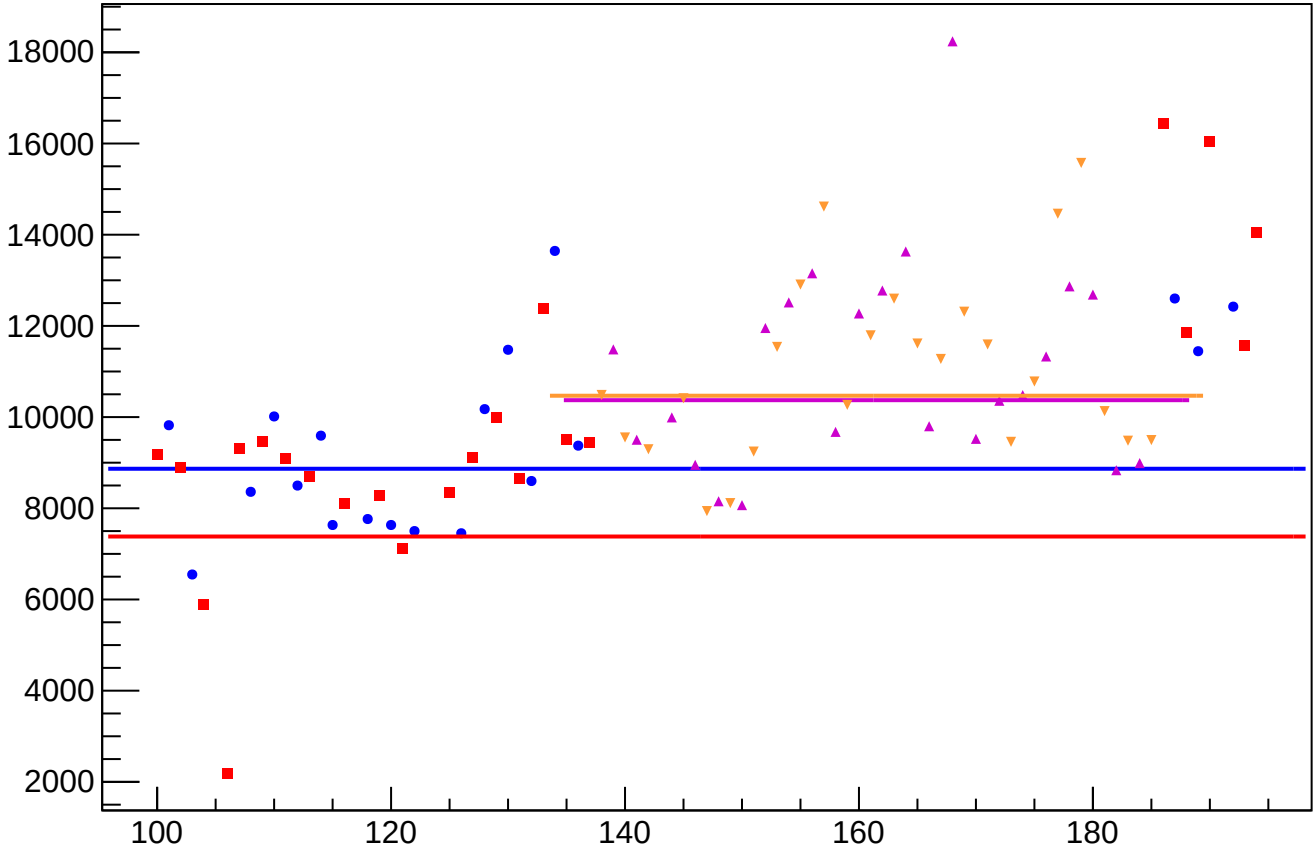
Right: -1176.178+/-1946.459 χ^2/NDF: 41.1/41

In: -437.554+/-1916.988 χ^2/NDF:30.0/41

Out: -1121.509+/-1773.404 χ^2/NDF:54.3/46

All: -806.102+/-1301.791 χ^2/NDF: 84.4/88

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 8866.918+/-2.148 χ^2/NDF: 695639.0/18

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 7380.938+/-1.793 χ^2/NDF: 4073798.5/22

Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

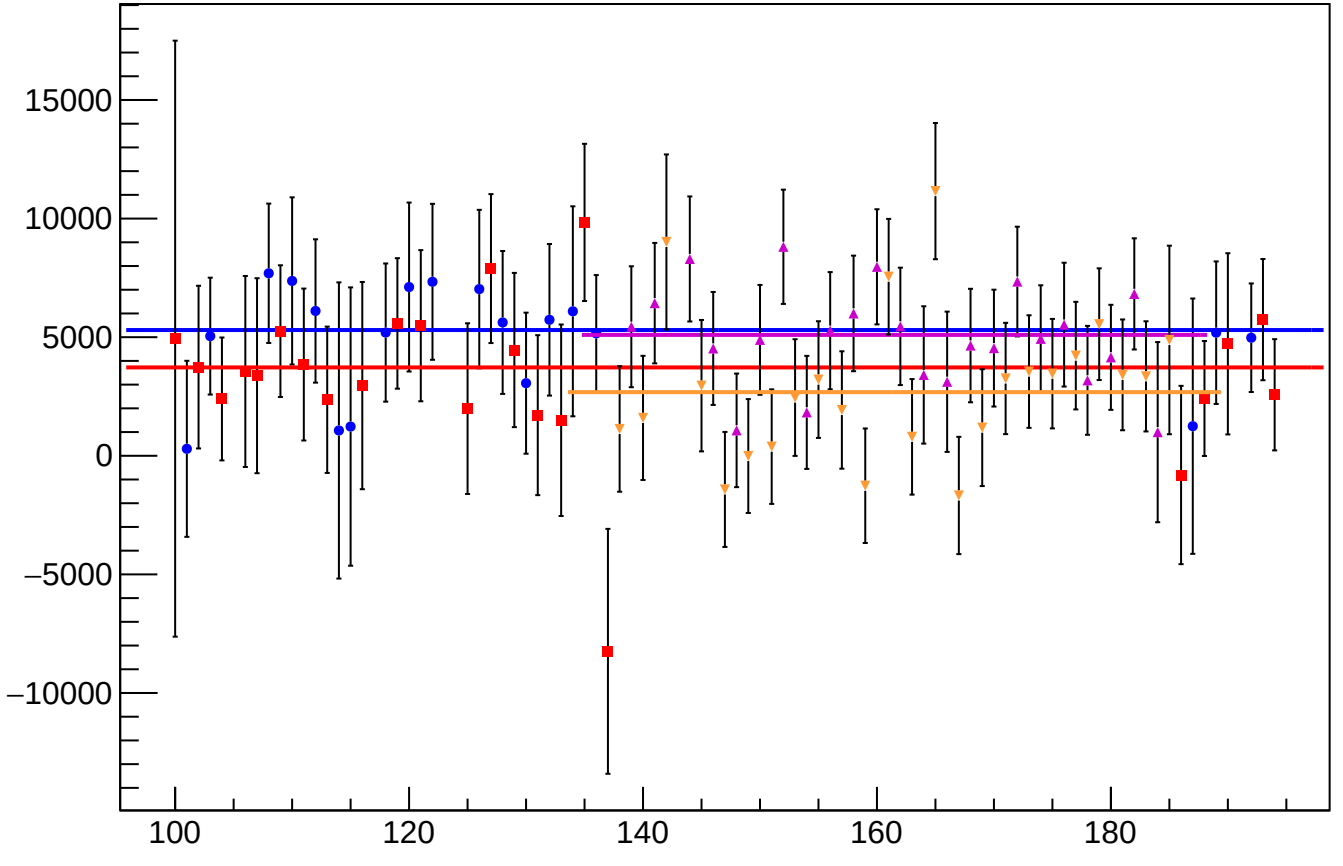
Right: 7991.068+/-1.376 χ^2/NDF: 5051530.3/41

In: 9771.934+/-1.356 χ^2/NDF:2194413.4/41

Out: 8957.962+/-1.254 χ^2/NDF:6634135.1/46

All: 9333.327+/-0.921 χ^2/NDF: 9022850.1/88

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 5301.121+/-735.024 χ^2/NDF: 6.0/18

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 3724.787+/-678.433 χ^2/NDF: 15.7/22

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

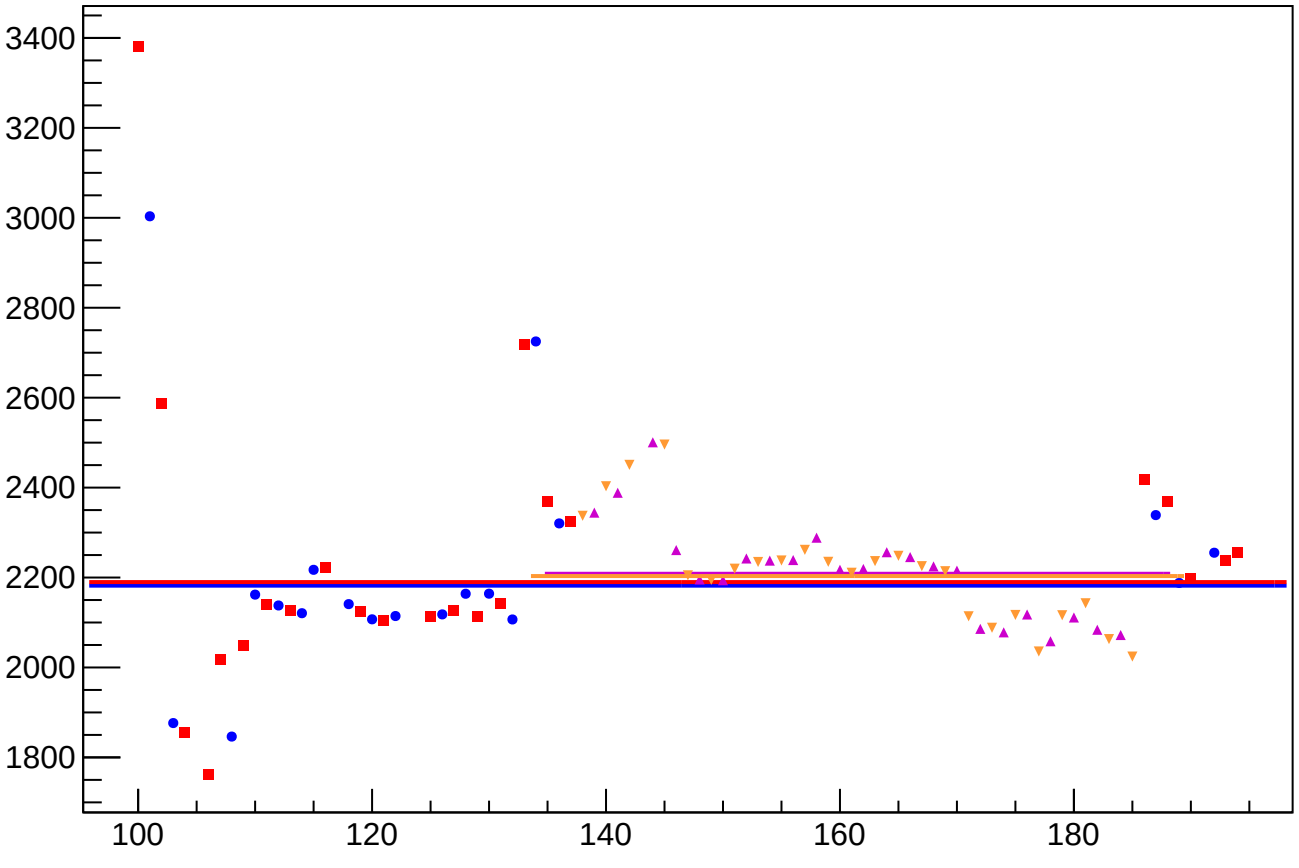
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4449.942+/-498.532 χ^2/NDF: 24.2/41

In: 5163.981+/-422.450 χ^2/NDF:21.0/41

Out: 3060.921+/-408.690 χ^2/NDF:48.1/46

All: 4077.643+/-293.732 χ^2/NDF: 81.8/88



Right In: 2181.968+/-0.520 χ^2/NDF: 199947.6/18

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2189.905+/-0.478 χ^2/NDF: 183962.3/22

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

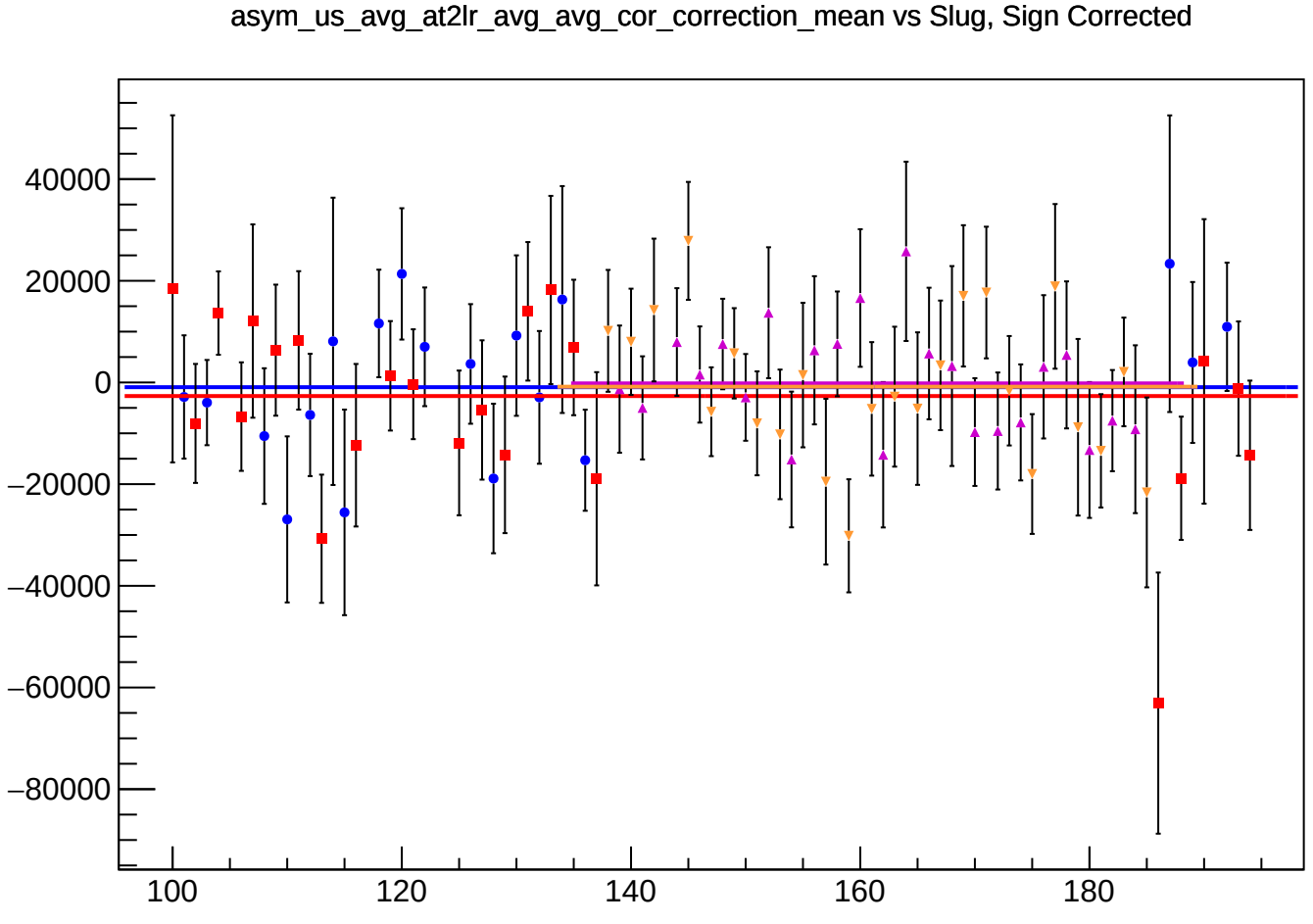
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2186.268+/-0.352 χ^2/NDF: 384036.2/41

In: 2199.655+/-0.299 χ^2/NDF:282671.1/41

Out: 2198.415+/-0.289 χ^2/NDF:272669.3/46

All: 2199.014+/-0.208 χ^2/NDF: 555349.4/88



Right In: -927.861+/-3034.651 χ^2/NDF: 16.3/18

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -2672.203+/-2839.494 χ^2/NDF: 24.9/22

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

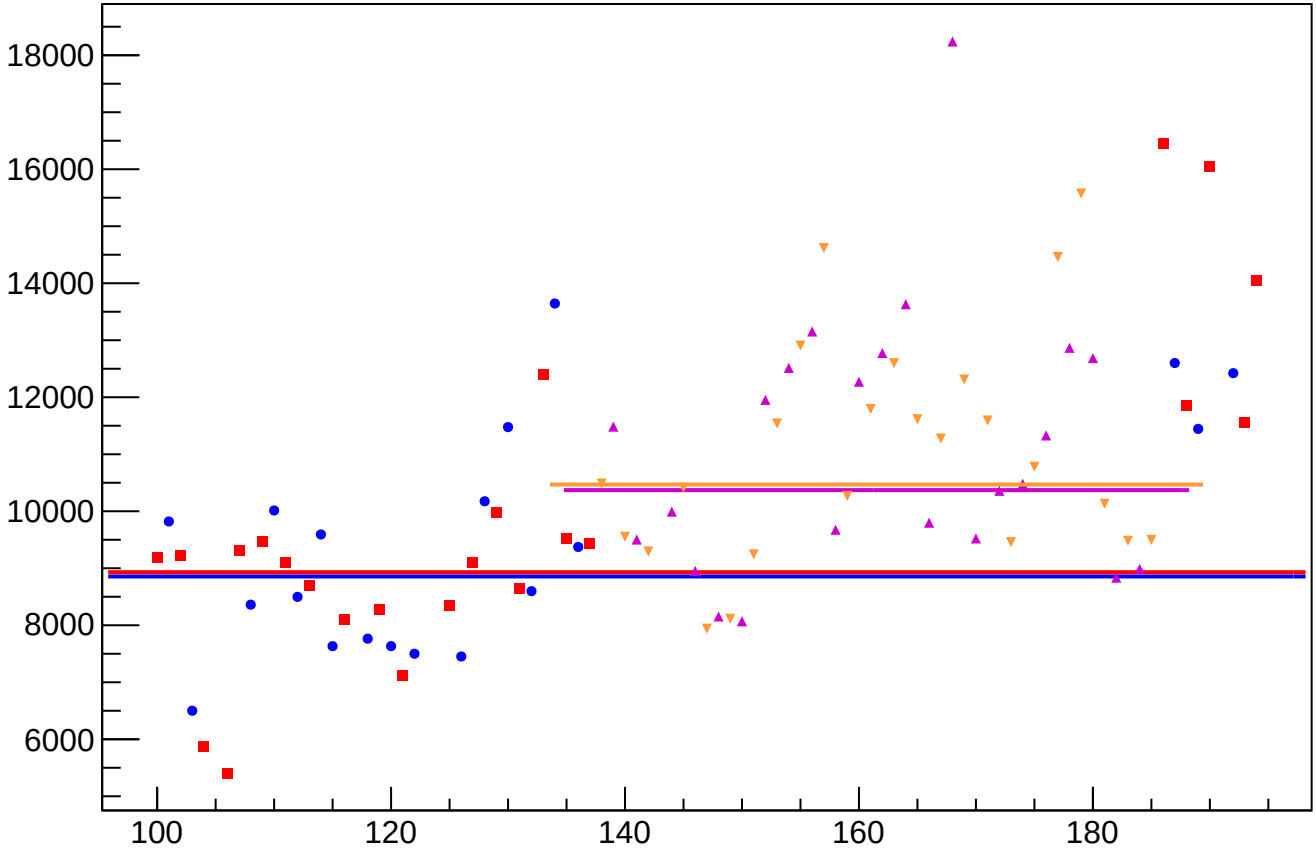
Right: -1857.921+/-2073.388 χ^2/NDF: 41.3/41

In: -479.612+/-1916.228 χ^2/NDF:30.1/41

Out: -1629.667+/-1868.502 χ^2/NDF:54.6/46

All: -1069.139+/-1337.785 χ^2/NDF: 84.8/88

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 8856.089+/-2.146 χ^2/NDF: 704212.3/18

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 8931.037+/-2.008 χ^2/NDF: 1399479.6/22

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

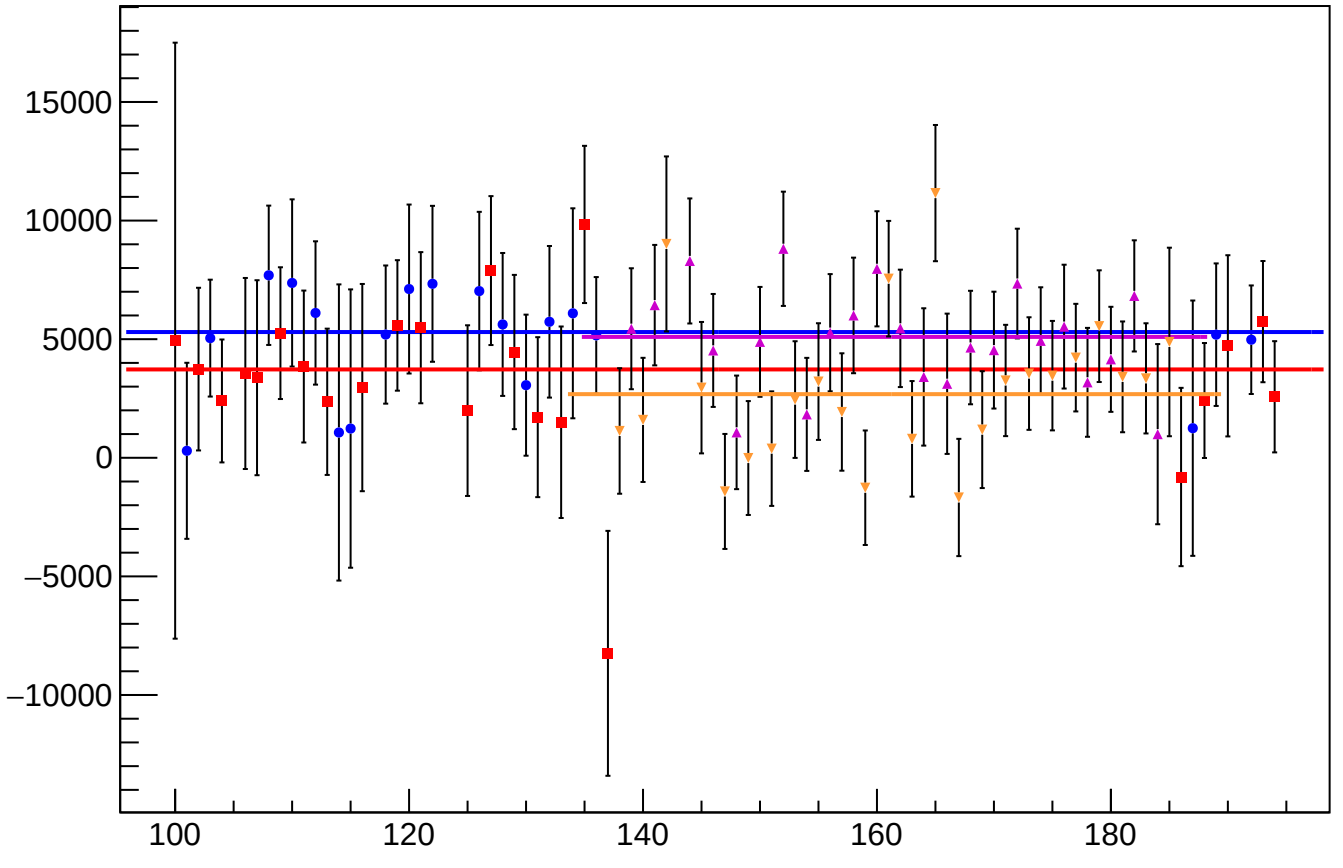
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 8896.051+/-1.466 χ^2/NDF: 2104342.3/41

In: 9766.894+/-1.355 χ^2/NDF:2207610.9/41

Out: 9802.852+/-1.321 χ^2/NDF:2777264.8/46

All: 9785.326+/-0.946 χ^2/NDF: 4985236.6/88



Right In: 5301.121+/-735.024 χ^2/NDF: 6.0/18

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 3724.787+/-678.433 χ^2/NDF: 15.7/22

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

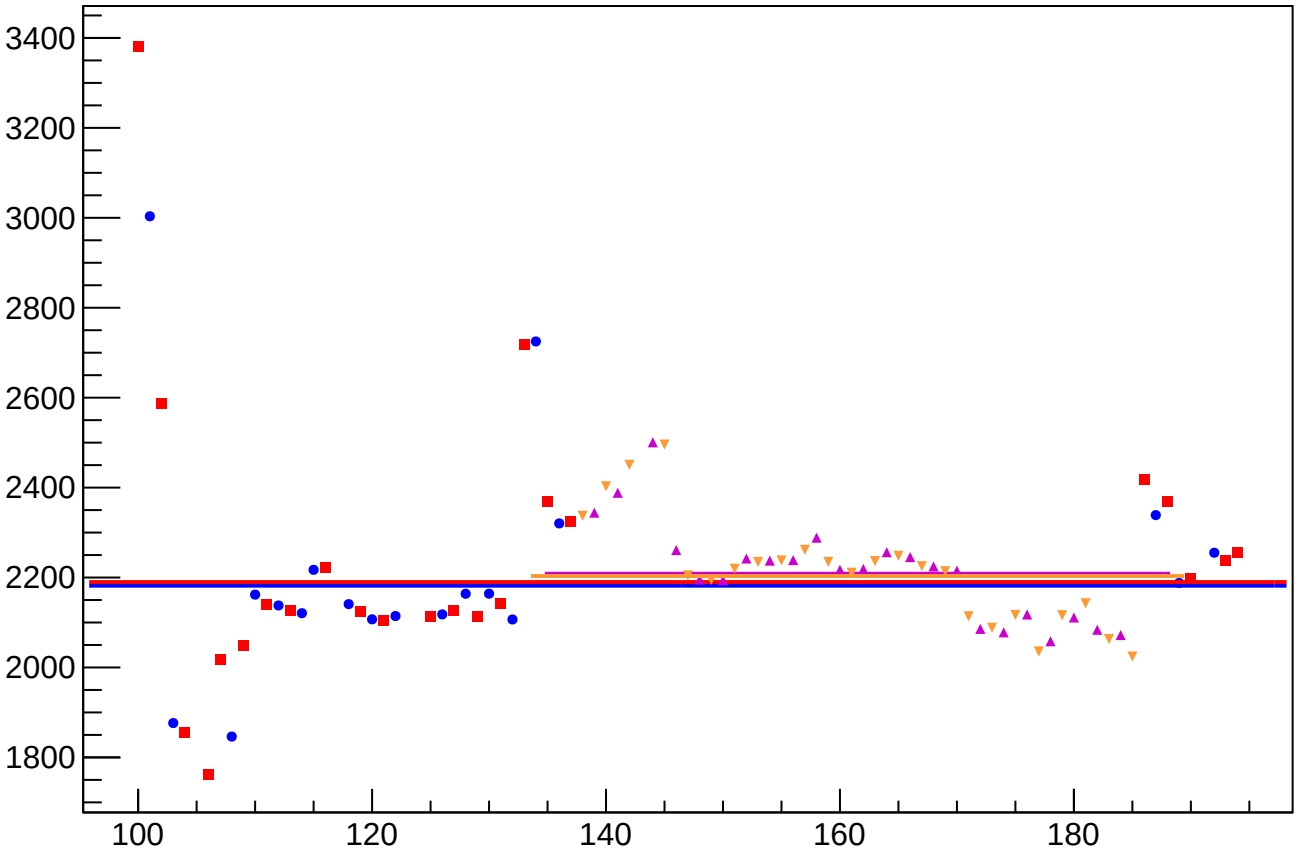
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4449.942+/-498.532 χ^2/NDF: 24.2/41

In: 5163.981+/-422.450 χ^2/NDF:21.0/41

Out: 3060.921+/-408.690 χ^2/NDF:48.1/46

All: 4077.643+/-293.732 χ^2/NDF: 81.8/88



Right In: 2181.968+/-0.520 χ^2/NDF: 199947.6/18

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2189.905+/-0.478 χ^2/NDF: 183962.3/22

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

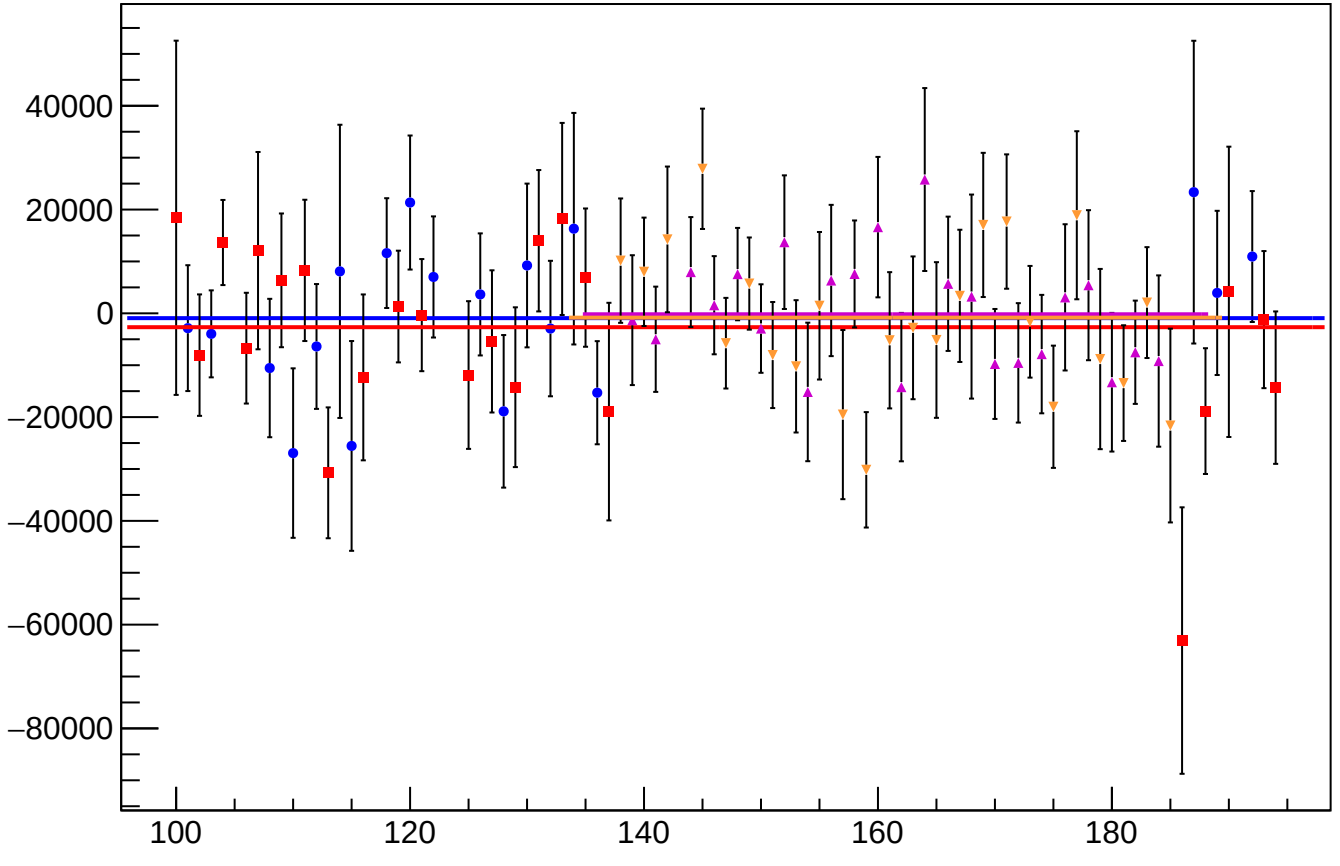
Right: 2186.268+/-0.352 χ^2/NDF: 384036.2/41

In: 2199.655+/-0.299 χ^2/NDF:282671.1/41

Out: 2198.415+/-0.289 χ^2/NDF:272669.3/46

All: 2199.014+/-0.208 χ^2/NDF: 555349.4/88

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -927.861+/-3034.651 χ^2/NDF: 16.3/18

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -2672.203+/-2839.494 χ^2/NDF: 24.9/22

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

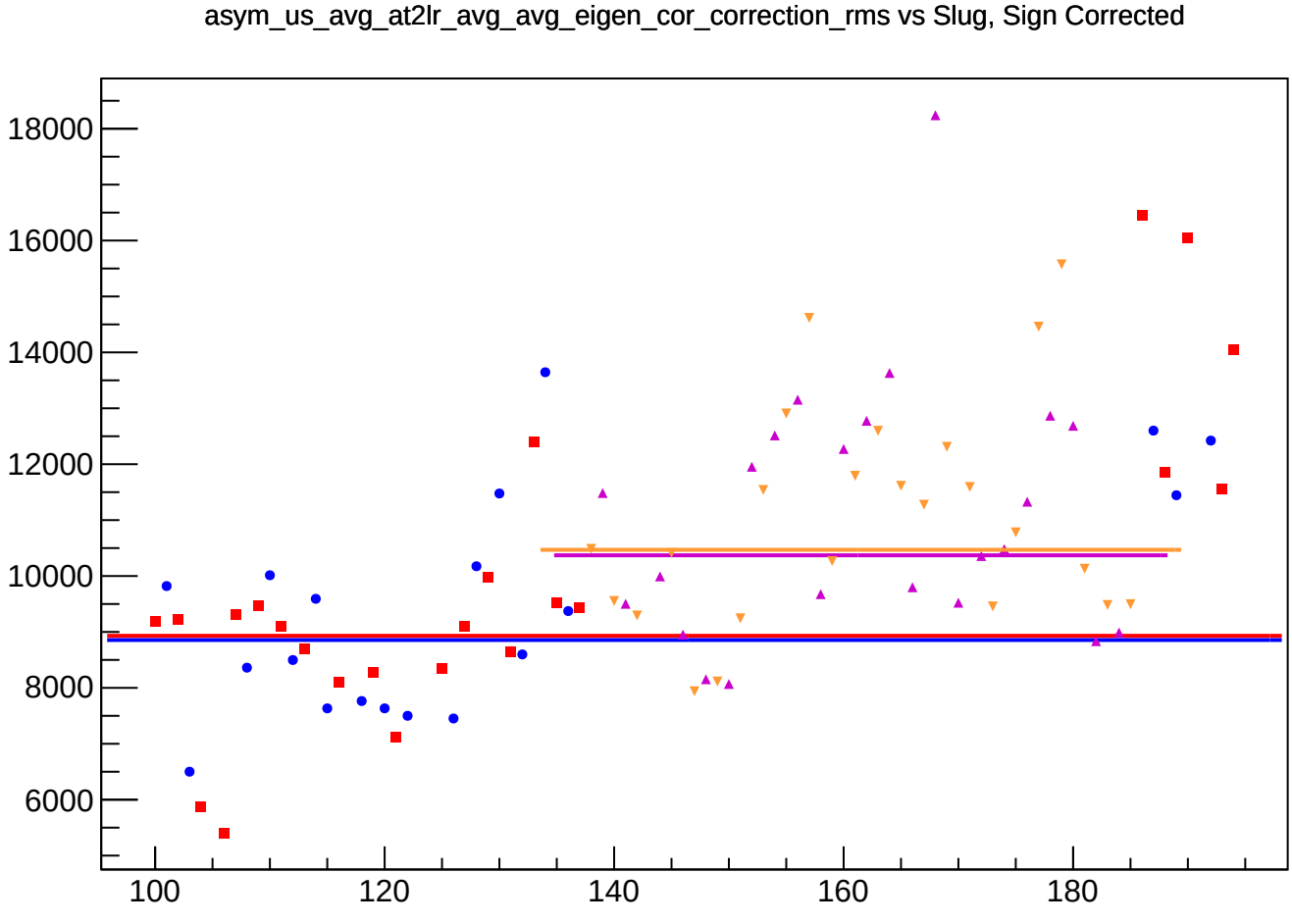
Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

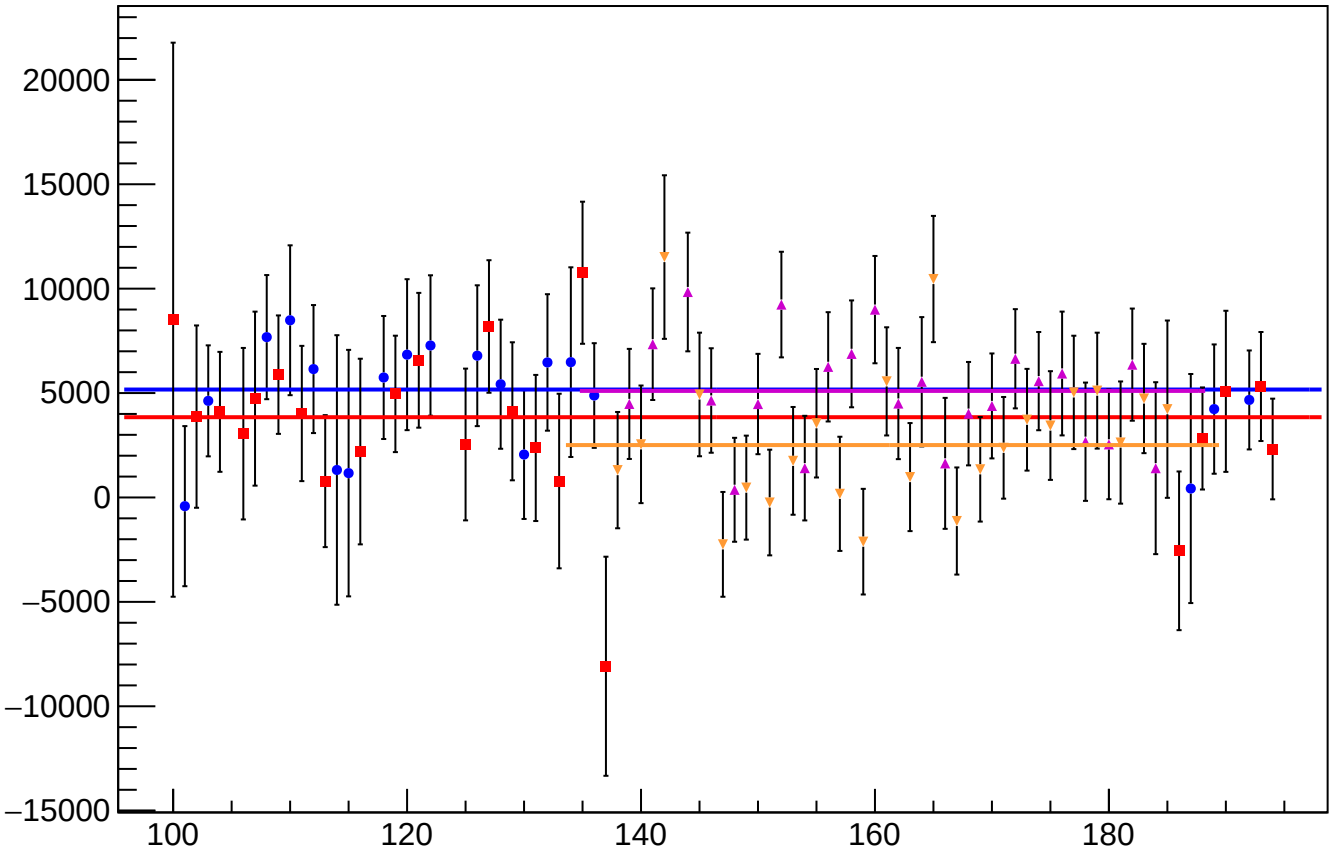
Right: -1857.921+/-2073.388 χ^2/NDF: 41.3/41

In: -479.612+/-1916.228 χ^2/NDF:30.1/41

Out: -1629.667+/-1868.502 χ^2/NDF:54.6/46

All: -1069.139+/-1337.785 χ^2/NDF: 84.8/88


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
Right In: 8856.089+/-2.146 χ²/NDF: 704212.3/18
Left Out: 10468.676+/-1.755 χ²/NDF:1045258.5/23
Right Out: 8931.037+/-2.008 χ²/NDF: 1399479.6/22
Left In: 10370.886+/-1.747 χ²/NDF:1203763.9/22
Left: 10419.579+/-1.238 χ²/NDF: 2250581.8/46
Right: 8896.051+/-1.466 χ²/NDF: 2104342.3/41
In: 9766.894+/-1.355 χ²/NDF:2207610.9/41
Out: 9802.852+/-1.321 χ²/NDF:2777264.8/46
All: 9785.326+/-0.946 χ²/NDF: 4985236.6/88



Right In: 5168.783+/-754.986 χ^2/NDF: 7.7/18

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: 3843.671+/-699.784 χ^2/NDF: 18.5/22

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

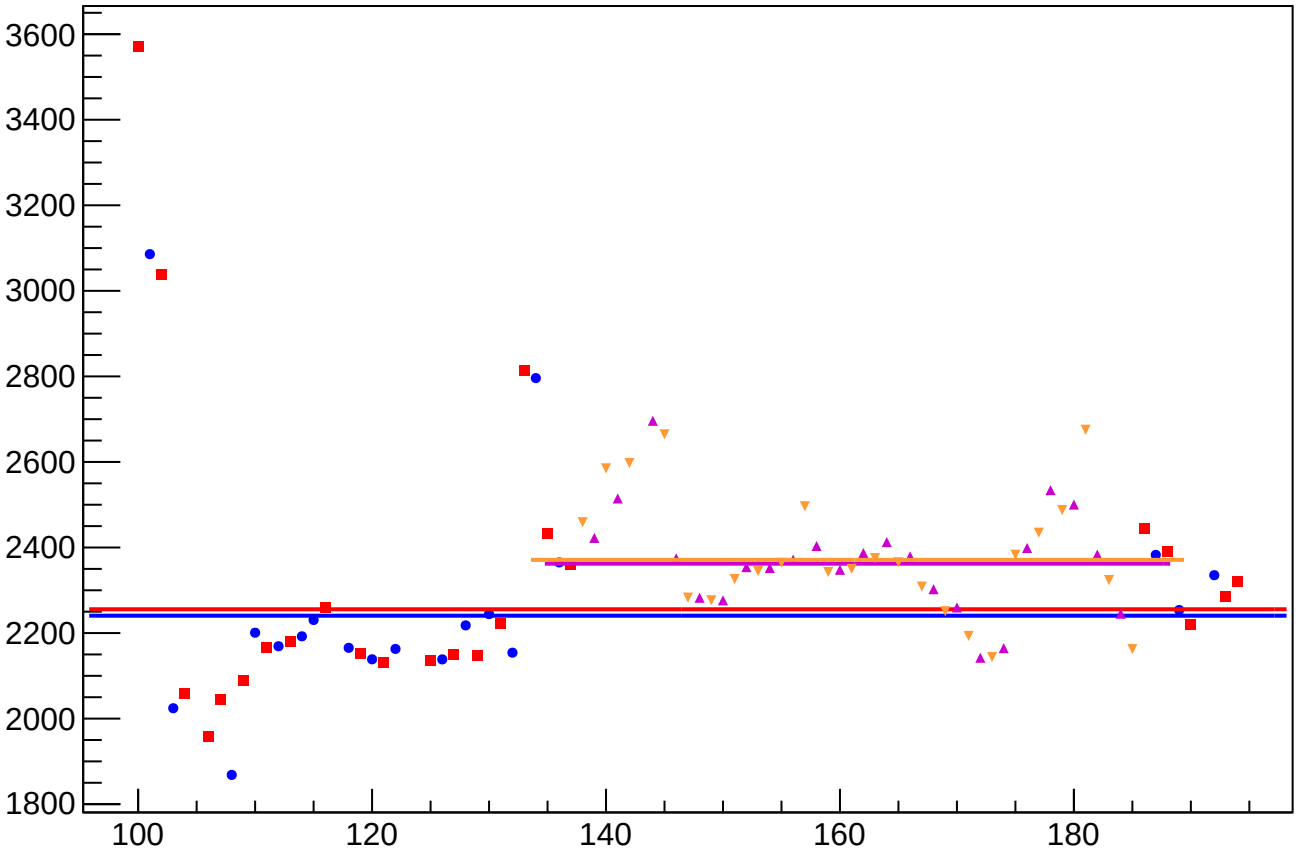
Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

Right: 4456.018+/-513.229 χ^2/NDF: 27.9/41

In: 5125.943+/-445.908 χ^2/NDF:27.6/41

Out: 3020.460+/-433.201 χ^2/NDF:50.6/46

All: 4042.775+/-310.714 χ^2/NDF: 89.6/88



Right In: 2240.579+/-0.534 χ^2/NDF: 189987.8/18

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

Right Out: 2255.655+/-0.495 χ^2/NDF: 186145.3/22

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

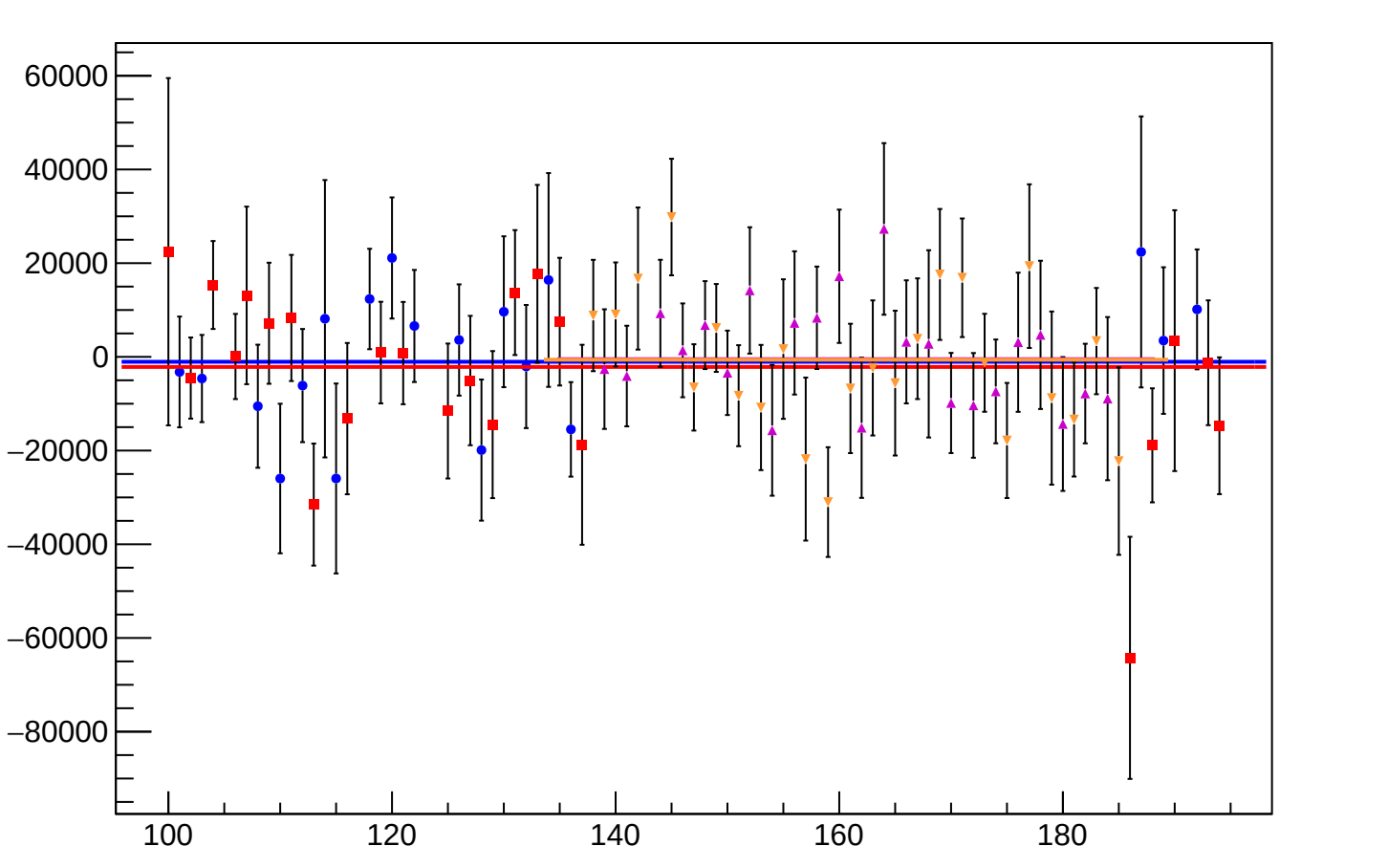
Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

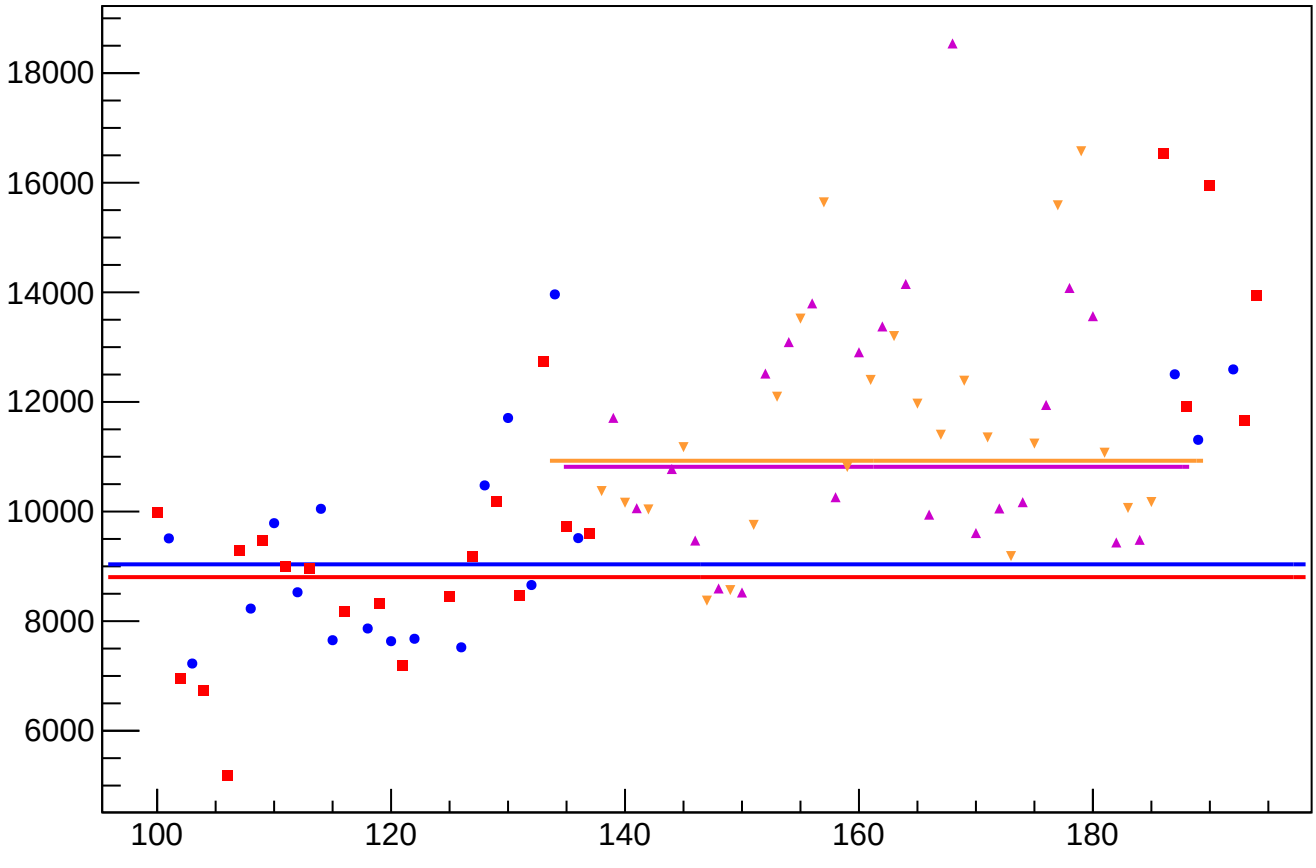
Right: 2248.692+/-0.363 χ^2/NDF: 376562.2/41

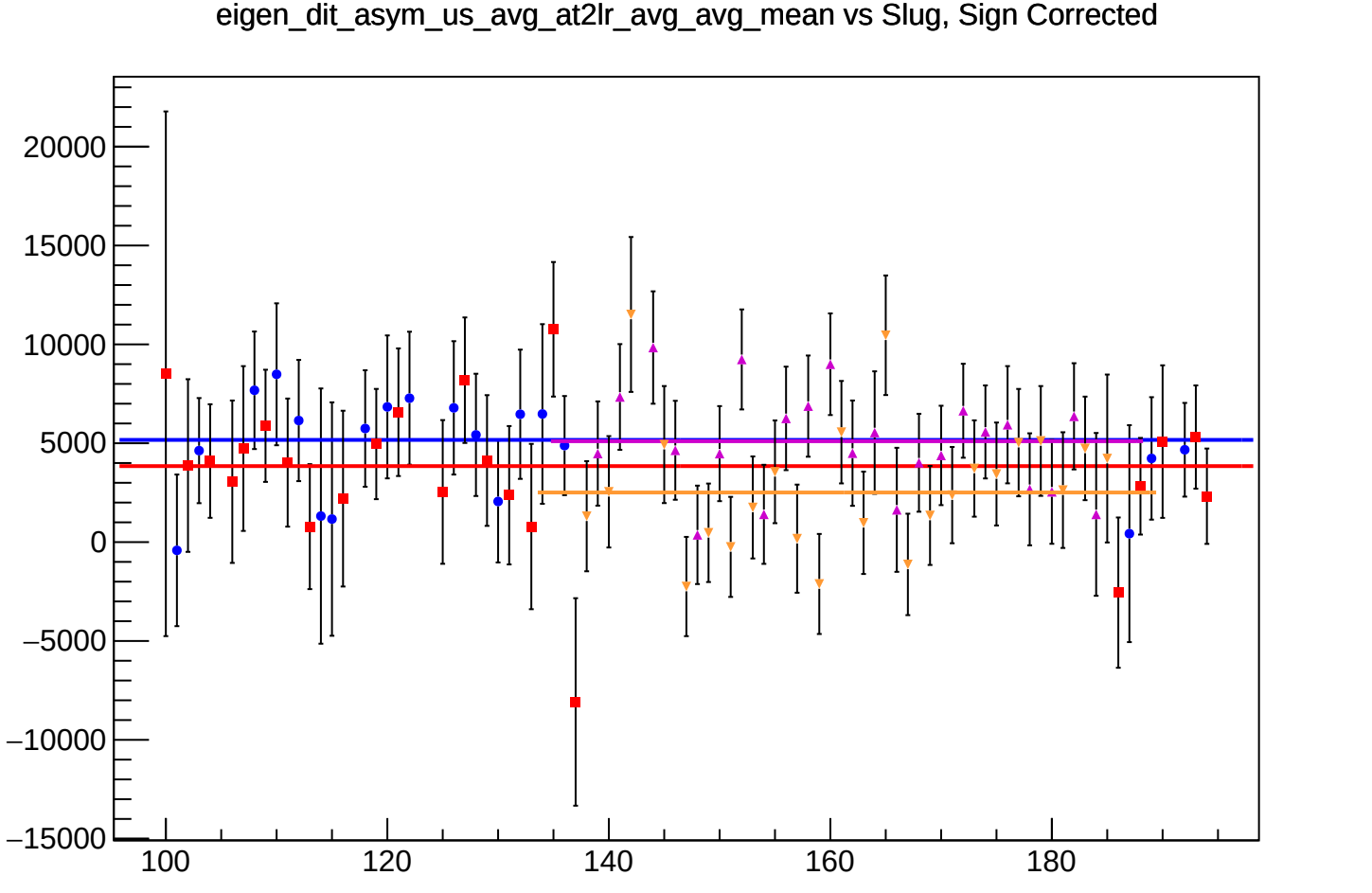
In: 2319.787+/-0.315 χ^2/NDF:315690.5/41

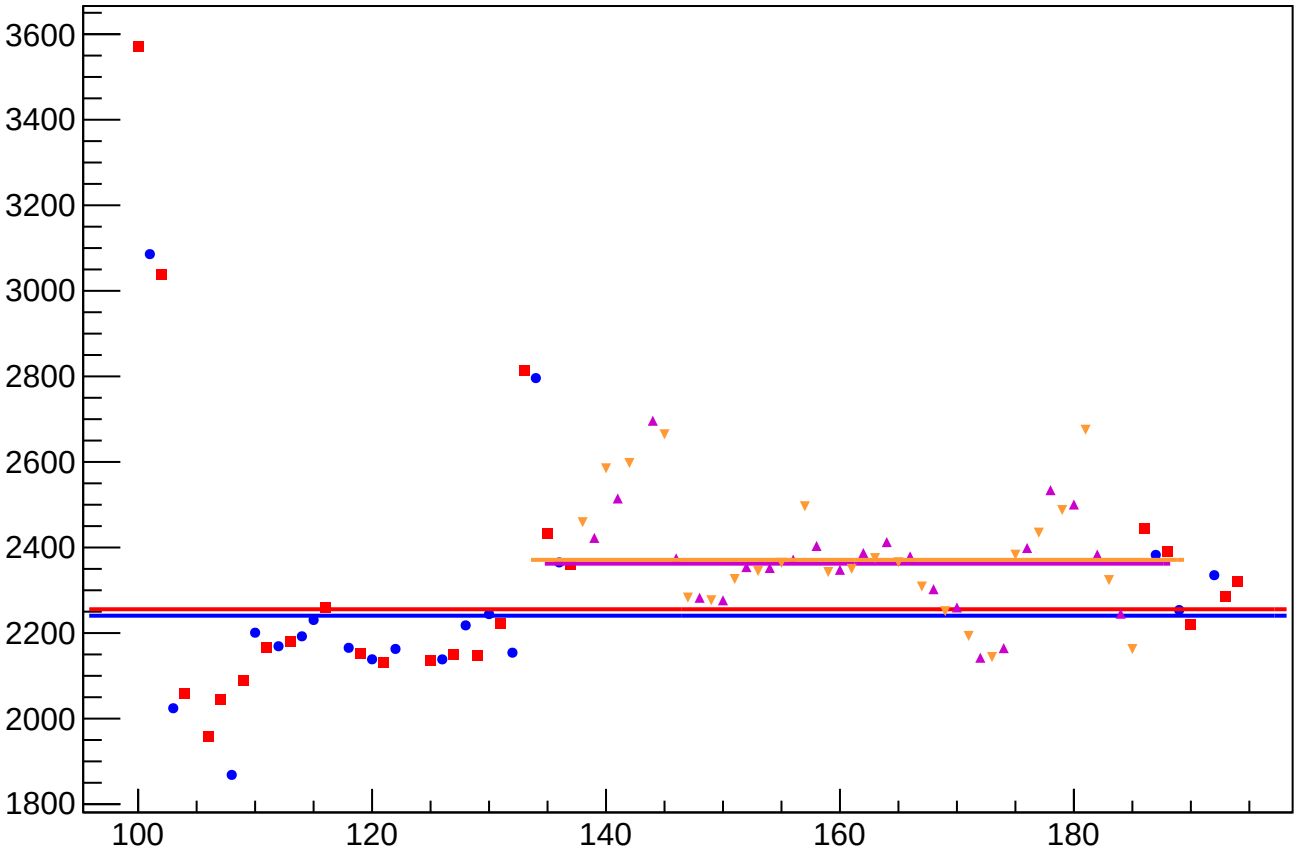
Out: 2326.858+/-0.306 χ^2/NDF:336053.0/46

All: 2323.425+/-0.220 χ^2/NDF: 652002.3/88


asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
Right In: -1049.260+/-3088.930 χ²/NDF: 16.1/18
Left Out: -608.283+/-2589.919 χ²/NDF:28.9/23
Right Out: -2150.578+/-2790.657 χ²/NDF: 24.7/22
Left In: -490.044+/-2577.213 χ²/NDF:13.5/22
Left: -548.873+/-1826.841 χ²/NDF: 42.4/46
Right: -1655.645+/-2070.735 χ²/NDF: 40.9/41
In: -719.557+/-1978.892 χ²/NDF:29.7/41
Out: -1321.970+/-1898.353 χ²/NDF:53.7/46
All: -1033.272+/-1369.926 χ²/NDF: 83.5/88


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
Right In: 9036.876+/-2.184 χ²/NDF: 609773.9/18
Left Out: 10926.860+/-1.831 χ²/NDF:1057331.1/23
Right Out: 8803.496+/-1.973 χ²/NDF: 1464883.5/22
Left In: 10816.320+/-1.822 χ²/NDF:1196820.9/22
Left: 10871.318+/-1.292 χ²/NDF: 2255982.7/46
Right: 8908.377+/-1.464 χ²/NDF: 2080943.4/41
In: 10086.002+/-1.399 χ²/NDF:2197909.4/41
Out: 9944.286+/-1.342 χ²/NDF:3144296.4/46
All: 10012.201+/-0.969 χ²/NDF: 5347547.2/8


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
Right In: 5168.784+/-754.985 χ²/NDF: 7.7/18
Left Out: 2508.963+/-551.602 χ²/NDF:29.8/23
Right Out: 3843.674+/-699.784 χ²/NDF: 18.5/22
Left In: 5102.996+/-552.584 χ²/NDF:19.9/22
Left: 3803.673+/-390.388 χ²/NDF: 60.7/46
Right: 4456.020+/-513.229 χ²/NDF: 27.9/41
In: 5125.945+/-445.908 χ²/NDF:27.6/41
Out: 3020.454+/-433.201 χ²/NDF:50.6/46
All: 4042.773+/-310.715 χ²/NDF: 89.6/88



Right In: 2240.578+/-0.534 χ^2/NDF: 189987.9/18

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

Right Out: 2255.655+/-0.495 χ^2/NDF: 186145.3/22

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

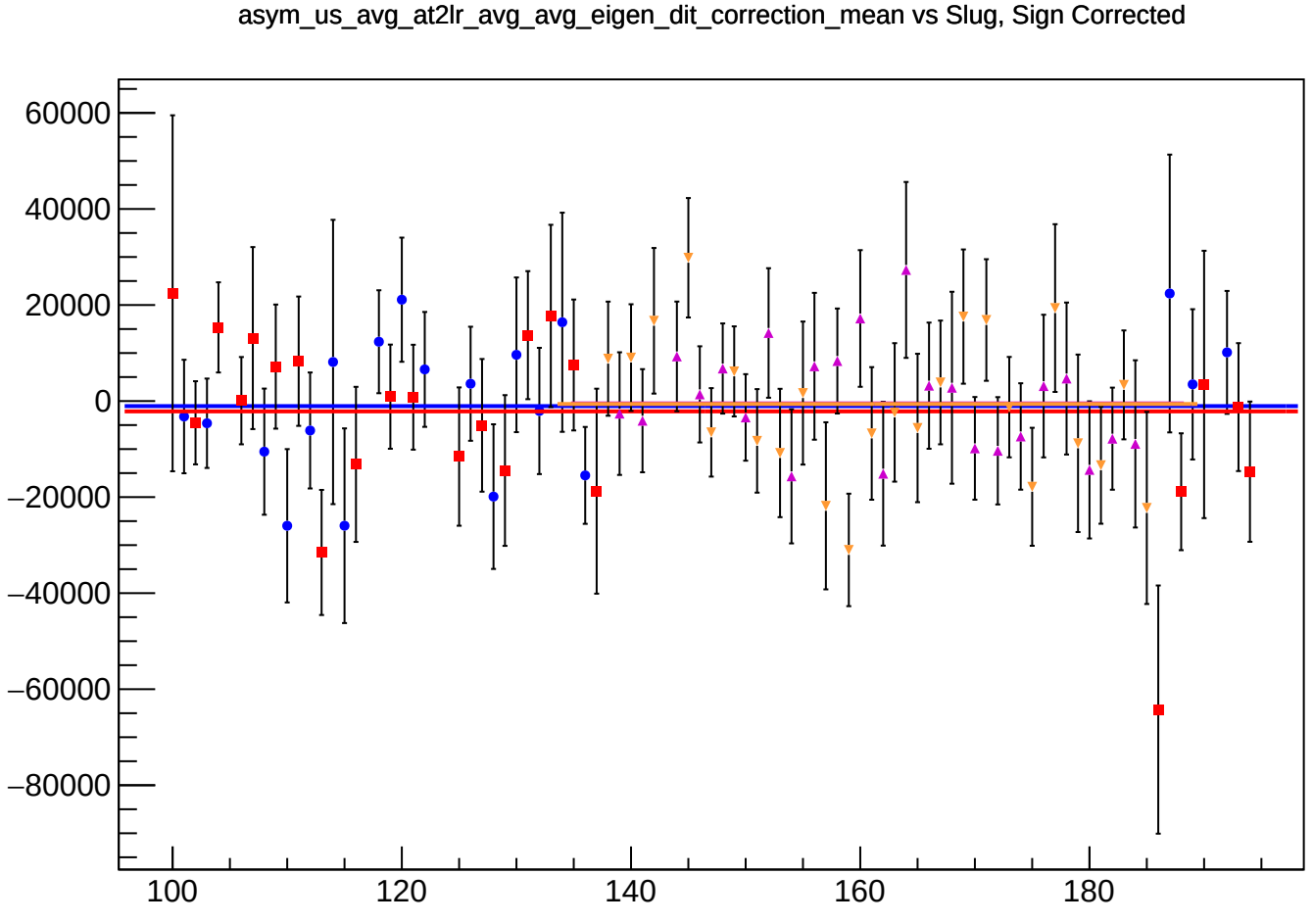
Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

Right: 2248.691+/-0.363 χ^2/NDF: 376562.4/41

In: 2319.789+/-0.315 χ^2/NDF:315697.5/41

Out: 2326.860+/-0.306 χ^2/NDF:336059.5/46

All: 2323.427+/-0.220 χ^2/NDF: 652015.8/88



Right In: -1049.244+/-3088.924 χ^2/NDF: 16.1/18

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

Right Out: -2150.564+/-2790.652 χ^2/NDF: 24.7/22

Left In: -490.047+/-2577.218 χ^2/NDF:13.5/22

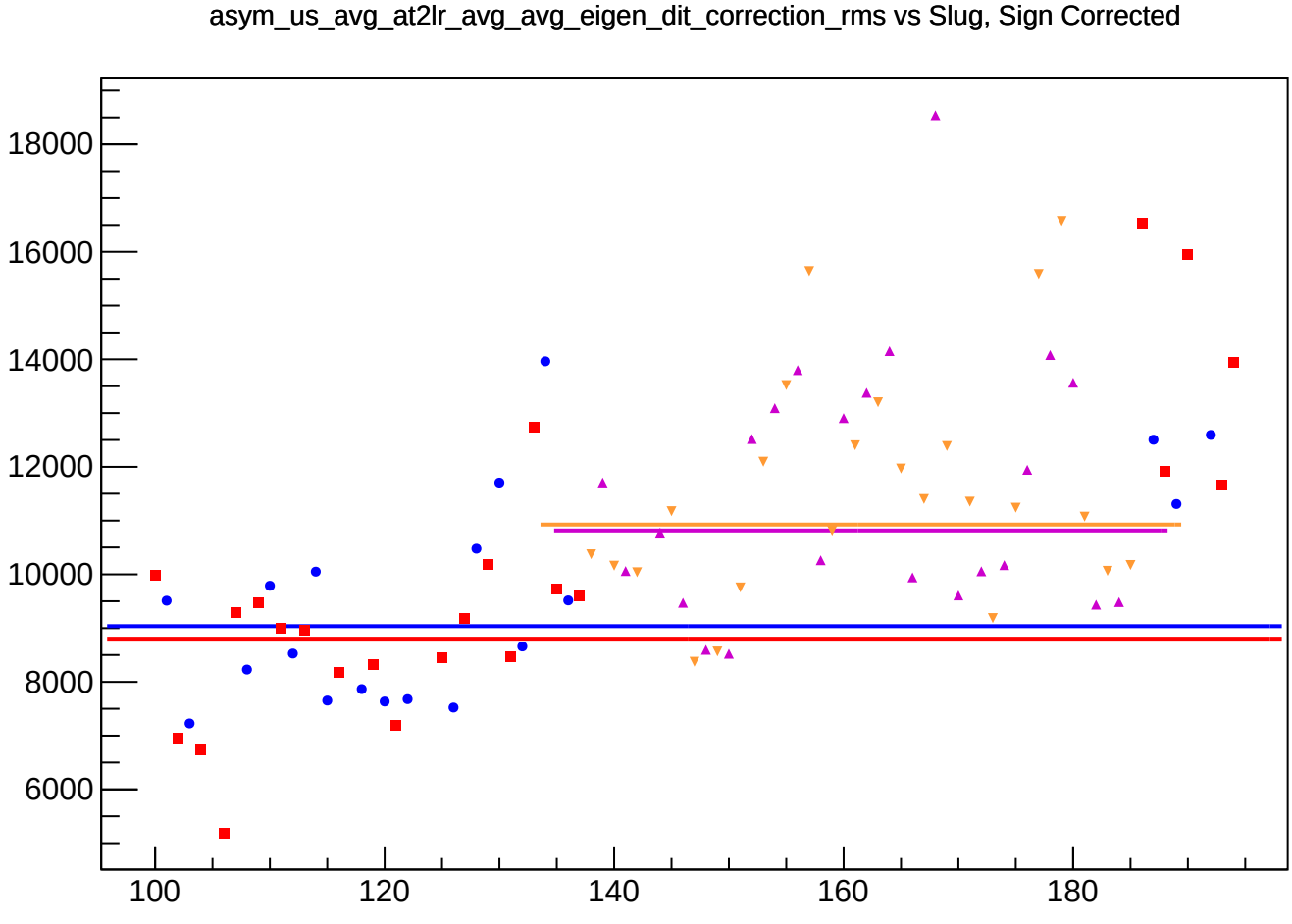
Left: -548.878+/-1826.844 χ^2/NDF: 42.4/46

Right: -1655.631+/-2070.731 χ^2/NDF: 40.9/41

In: -719.553+/-1978.892 χ^2/NDF:29.7/41

Out: -1321.971+/-1898.353 χ^2/NDF:53.7/46

All: -1033.270+/-1369.926 χ^2/NDF: 83.5/88



Right In: 9036.856+/-2.184 χ^2/NDF: 609780.6/18

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 8803.479+/-1.973 χ^2/NDF: 1464889.6/22

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

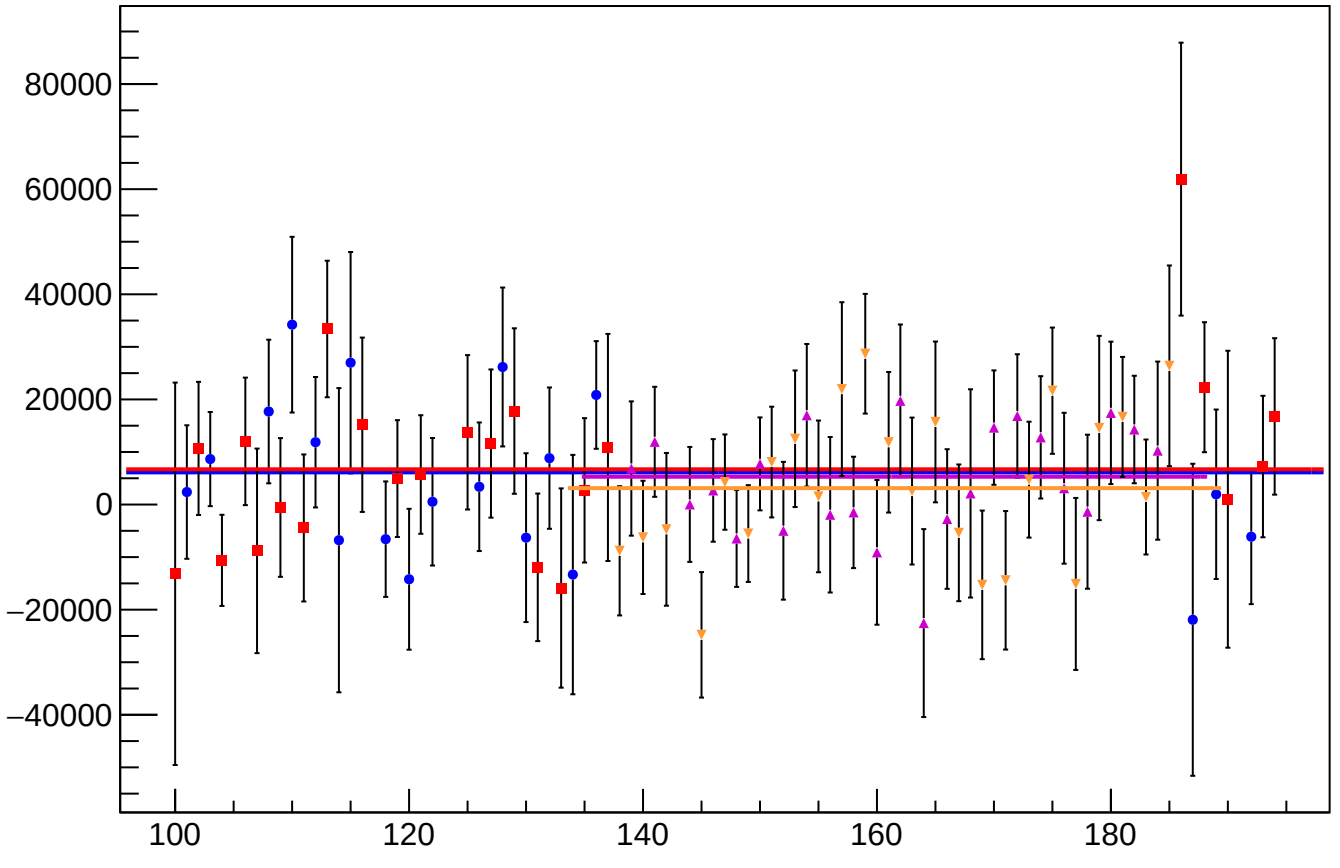
Left: 10871.336+/-1.292 χ^2/NDF: 2255988.7/46

Right: 8908.358+/-1.464 χ^2/NDF: 2080956.1/41

In: 10086.000+/-1.399 χ^2/NDF:2197936.1/41

Out: 9944.284+/-1.342 χ^2/NDF:3144325.5/46

All: 10012.200+/-0.969 χ^2/NDF: 5347603.1/8



Right In: 6124.638+/-3143.578 χ^2/NDF: 16.1/18

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: 6706.002+/-2956.347 χ^2/NDF: 21.4/22

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

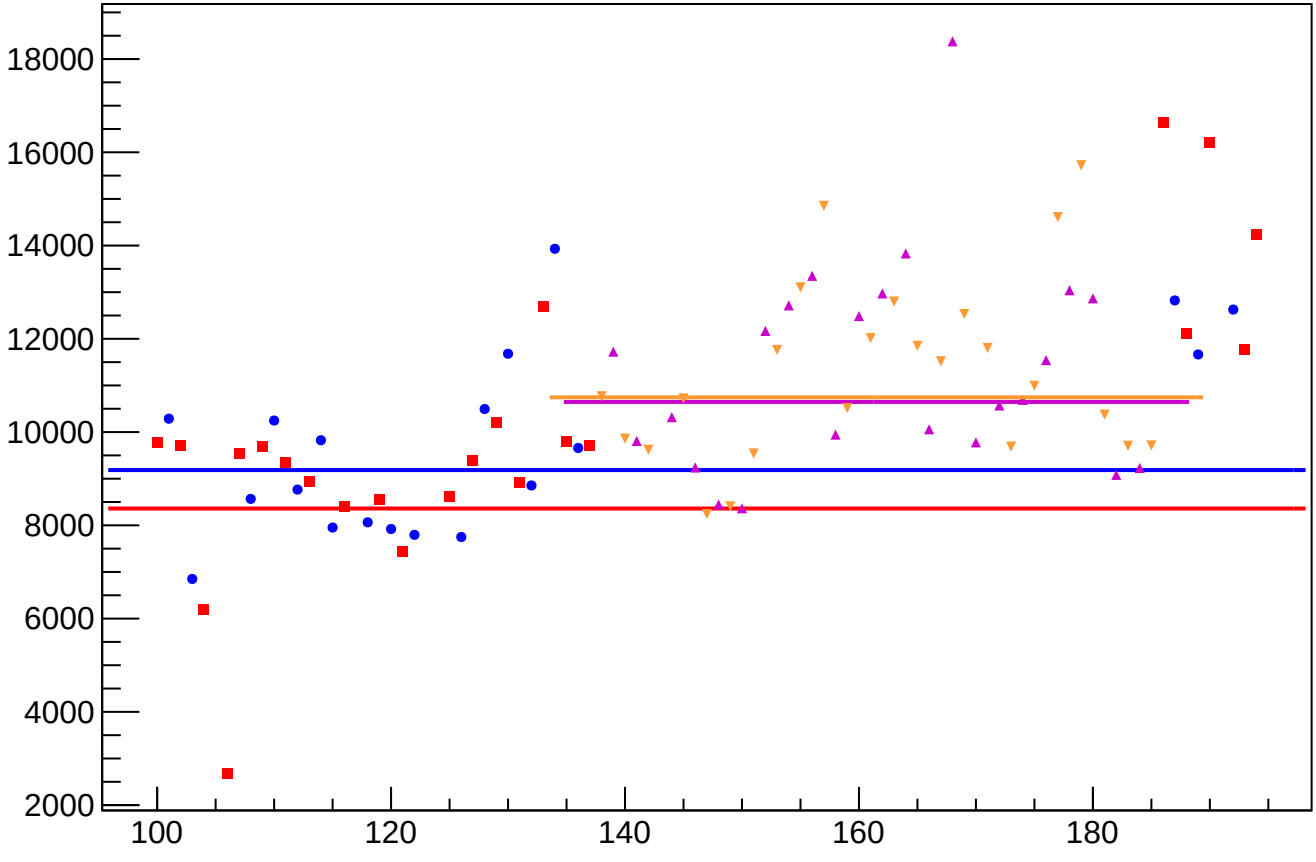
Right: 6433.148+/-2153.603 χ^2/NDF: 37.5/41

In: 5619.006+/-1972.375 χ^2/NDF:29.5/41

Out: 4644.399+/-1927.827 χ^2/NDF:49.7/46

All: 5120.572+/-1378.660 χ^2/NDF: 79.3/88

asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 9184.962+/-2.223 χ^2/NDF: 642615.7/18

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

Right Out: 8360.813+/-1.963 χ^2/NDF: 2791144.1/22

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

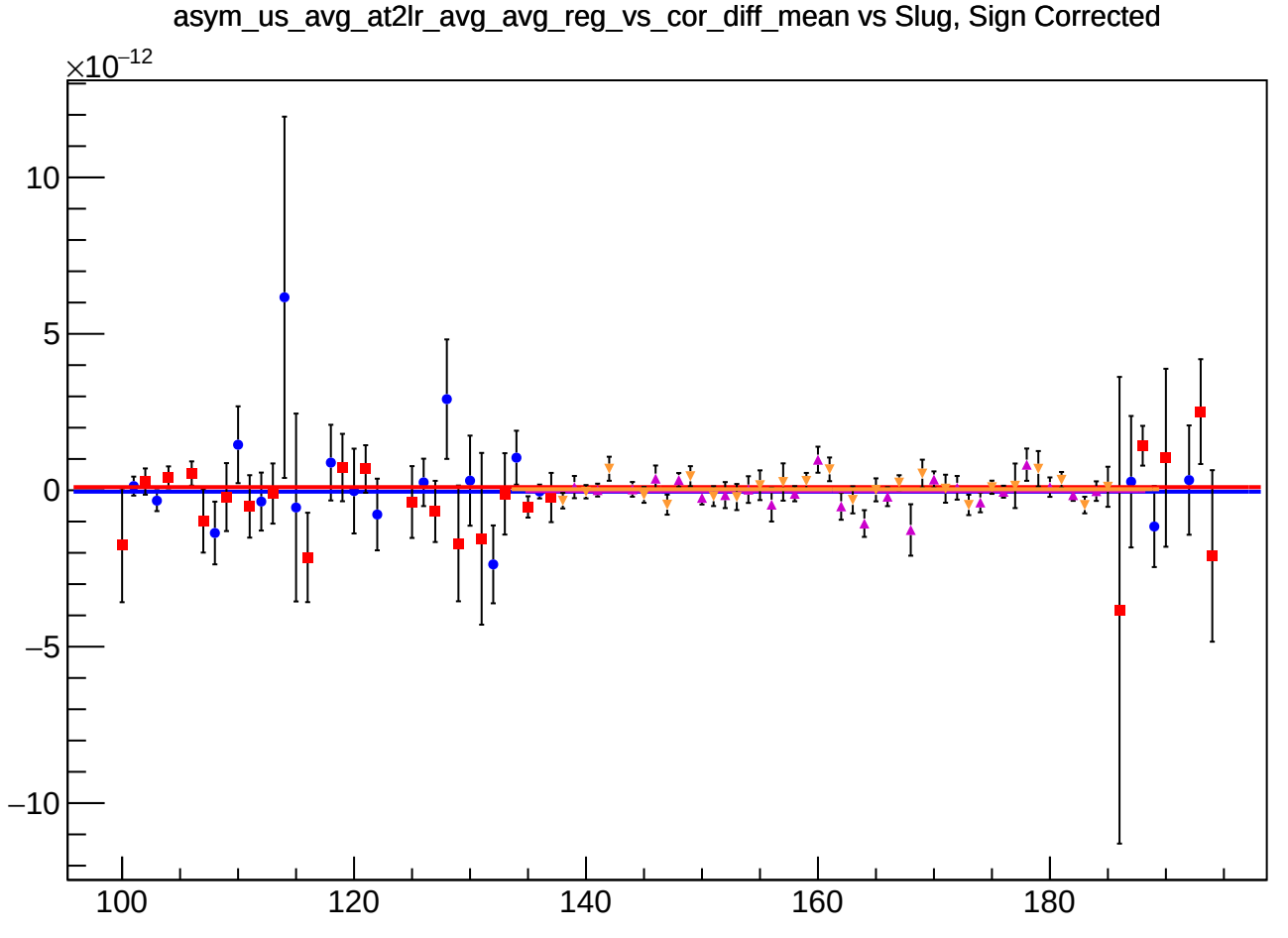
Left: 10695.712+/-1.269 χ^2/NDF: 2080199.2/46

Right: 8722.029+/-1.472 χ^2/NDF: 3510977.2/41

In: 10071.117+/-1.395 χ^2/NDF:2018801.7/41

Out: 9657.732+/-1.326 χ^2/NDF:4557913.1/46

All: 9854.006+/-0.961 χ^2/NDF: 6622856.3/88



Right In: -0.000+/-0.000 χ^2/NDF: 15.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/22

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

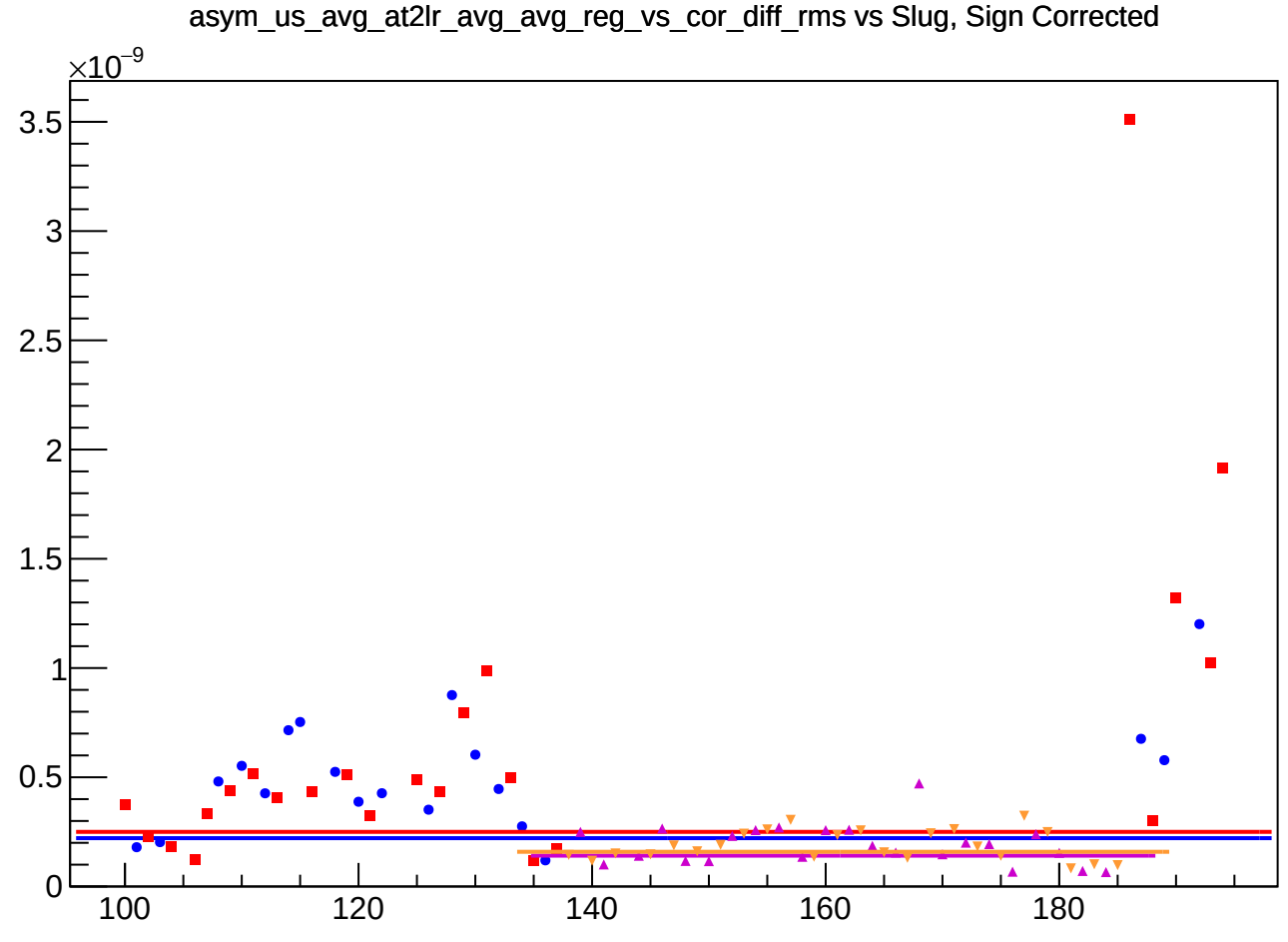
Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

Right: 0.000+/-0.000 χ^2/NDF: 37.1/41

In: -0.000+/-0.000 χ^2/NDF:43.0/41

Out: 0.000+/-0.000 χ^2/NDF:47.9/46

All: 0.000+/-0.000 χ^2/NDF: 91.8/88



Right In: 0.000+/-0.000 χ^2/NDF: 2522754.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3435883.9/22

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

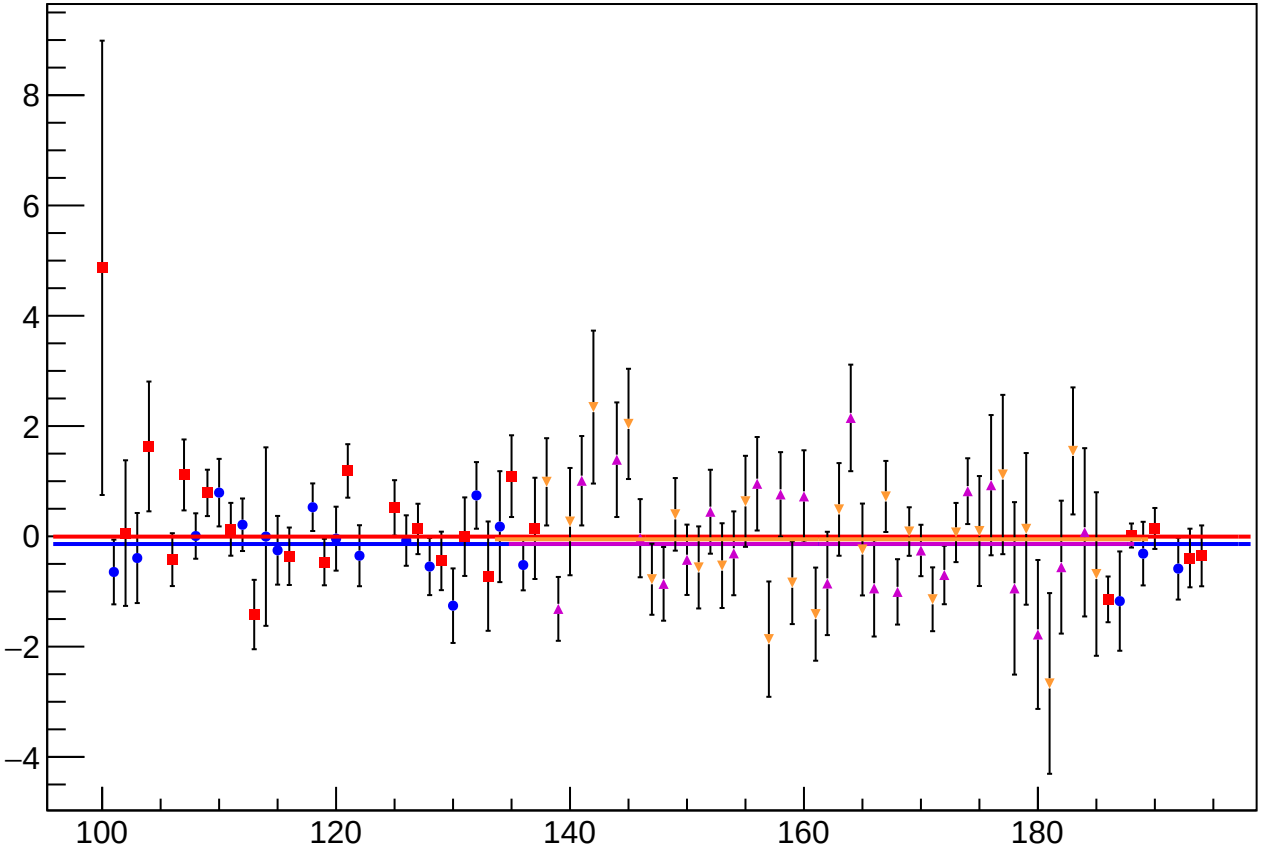
Right: 0.000+/-0.000 χ^2/NDF: 5997780.0/41

In: 0.000+/-0.000 χ^2/NDF:5468151.1/41

Out: 0.000+/-0.000 χ^2/NDF:5347895.4/46

All: 0.000+/-0.000 χ^2/NDF: 10928474.9/88

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.139+/-0.131 χ^2/NDF: 14.8/18

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: -0.005+/-0.103 χ^2/NDF: 36.7/22

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

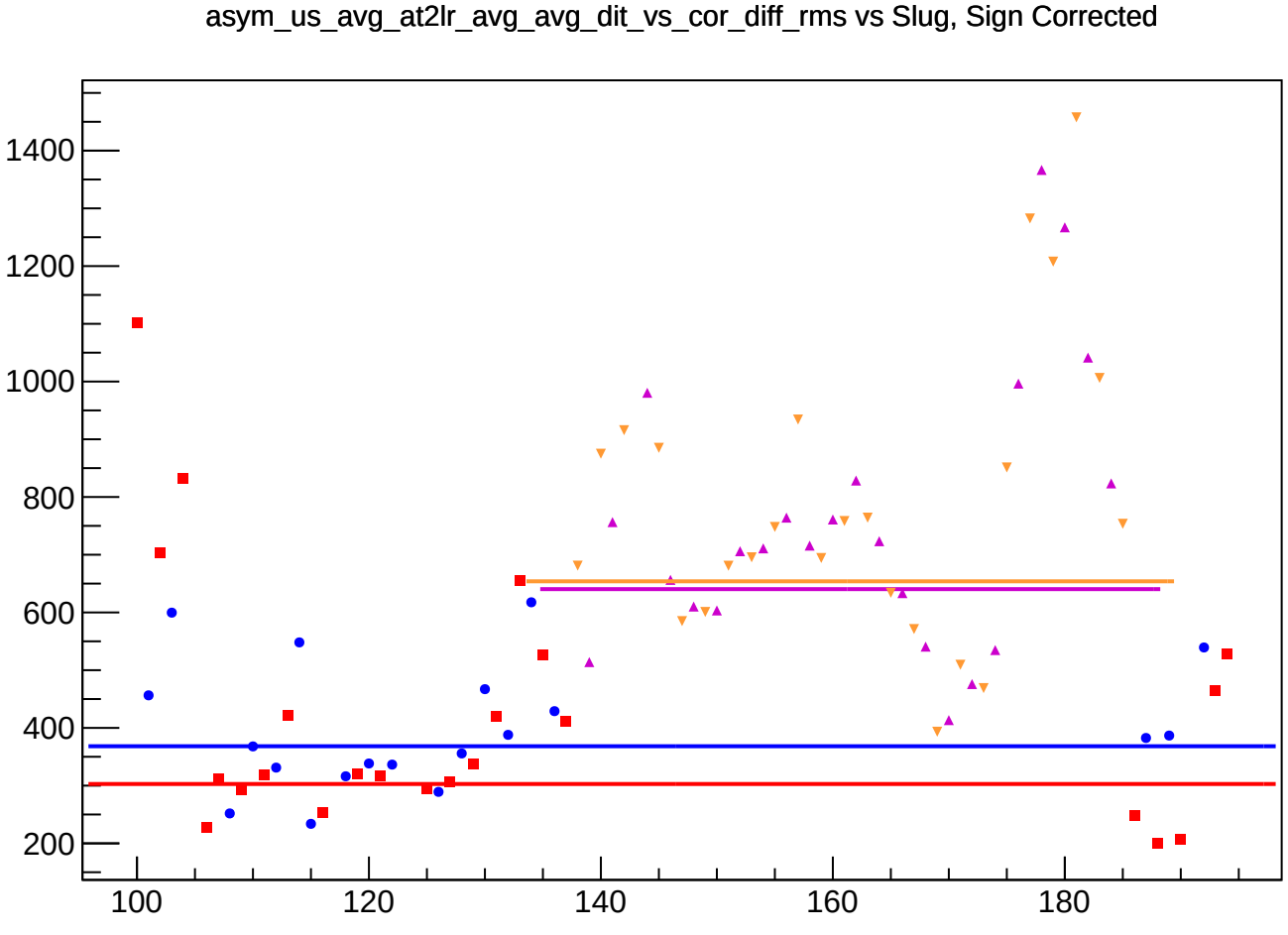
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.057+/-0.081 χ^2/NDF: 52.1/41

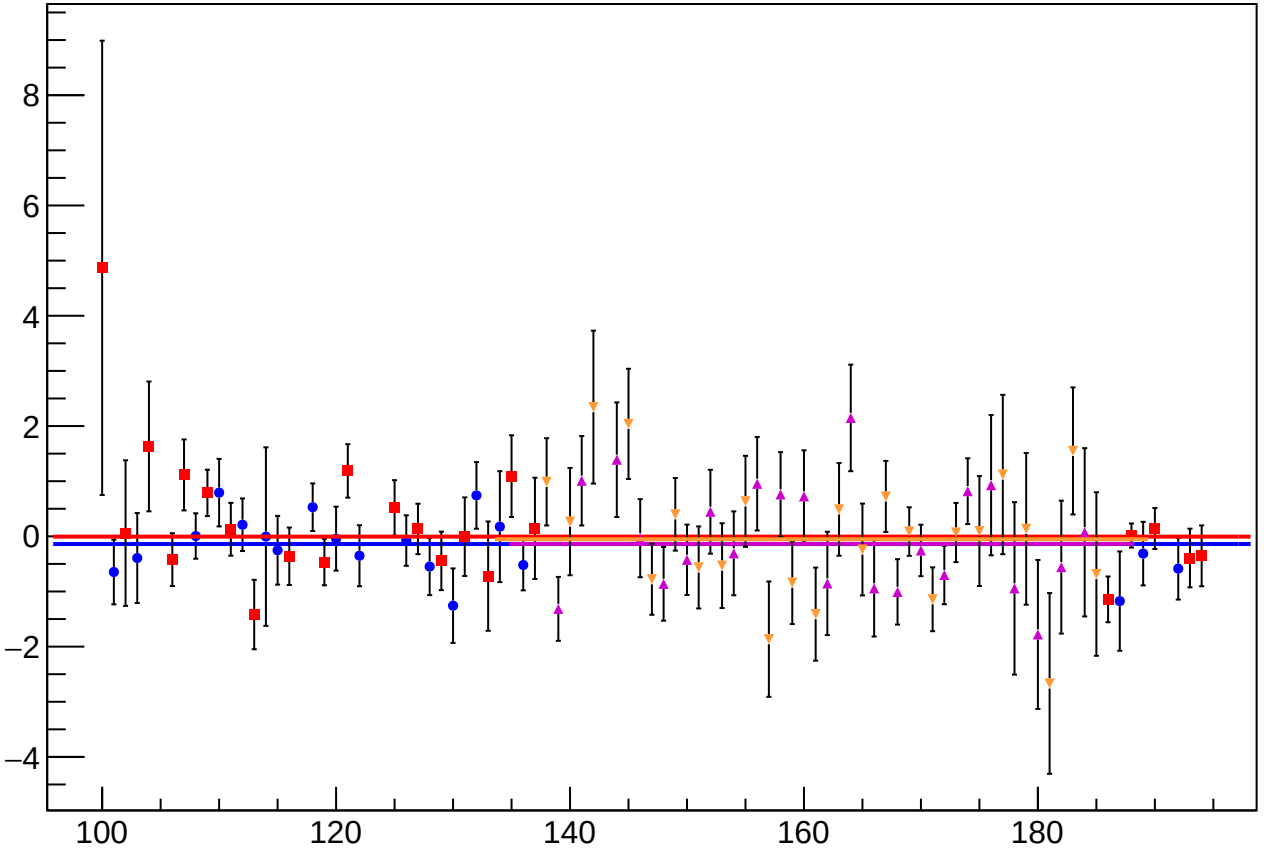
In: -0.139+/-0.101 χ^2/NDF:44.7/41

Out: -0.019+/-0.087 χ^2/NDF:66.9/46

All: -0.070+/-0.066 χ^2/NDF: 112.4/88


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
100
120
140
160
180
Right In: 368.262+/-0.092 χ²/NDF: 988528.0/18
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 302.842+/-0.073 χ²/NDF: 2469645.4/22
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
Left: 647.014+/-0.080 χ²/NDF: 5779634.4/46
Right: 328.030+/-0.057 χ²/NDF: 3766167.9/41
In: 478.967+/-0.071 χ²/NDF:7161870.9/41
Out: 405.132+/-0.062 χ²/NDF:12306559.6/46
All: 436.725+/-0.047 χ²/NDF: 20083702.9/88

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.139+/-0.131 χ^2/NDF: 14.8/18

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: -0.005+/-0.103 χ^2/NDF: 36.7/22

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

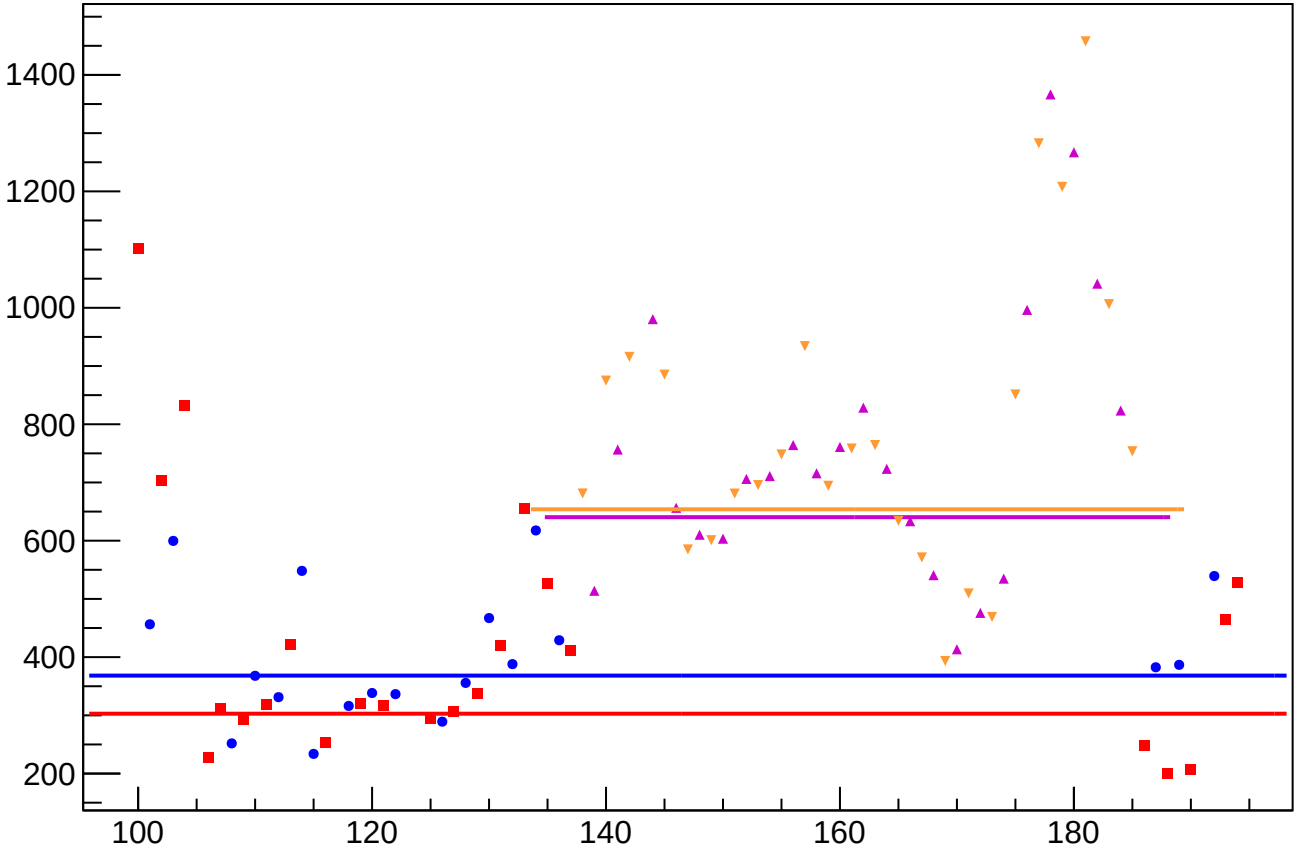
Right: -0.057+/-0.081 χ^2/NDF: 52.1/41

In: -0.139+/-0.101 χ^2/NDF:44.7/41

Out: -0.019+/-0.087 χ^2/NDF:66.9/46

All: -0.070+/-0.066 χ^2/NDF: 112.4/88

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 368.262+/-0.092 χ^2/NDF: 988528.0/18

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 302.842+/-0.073 χ^2/NDF: 2469645.4/22

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

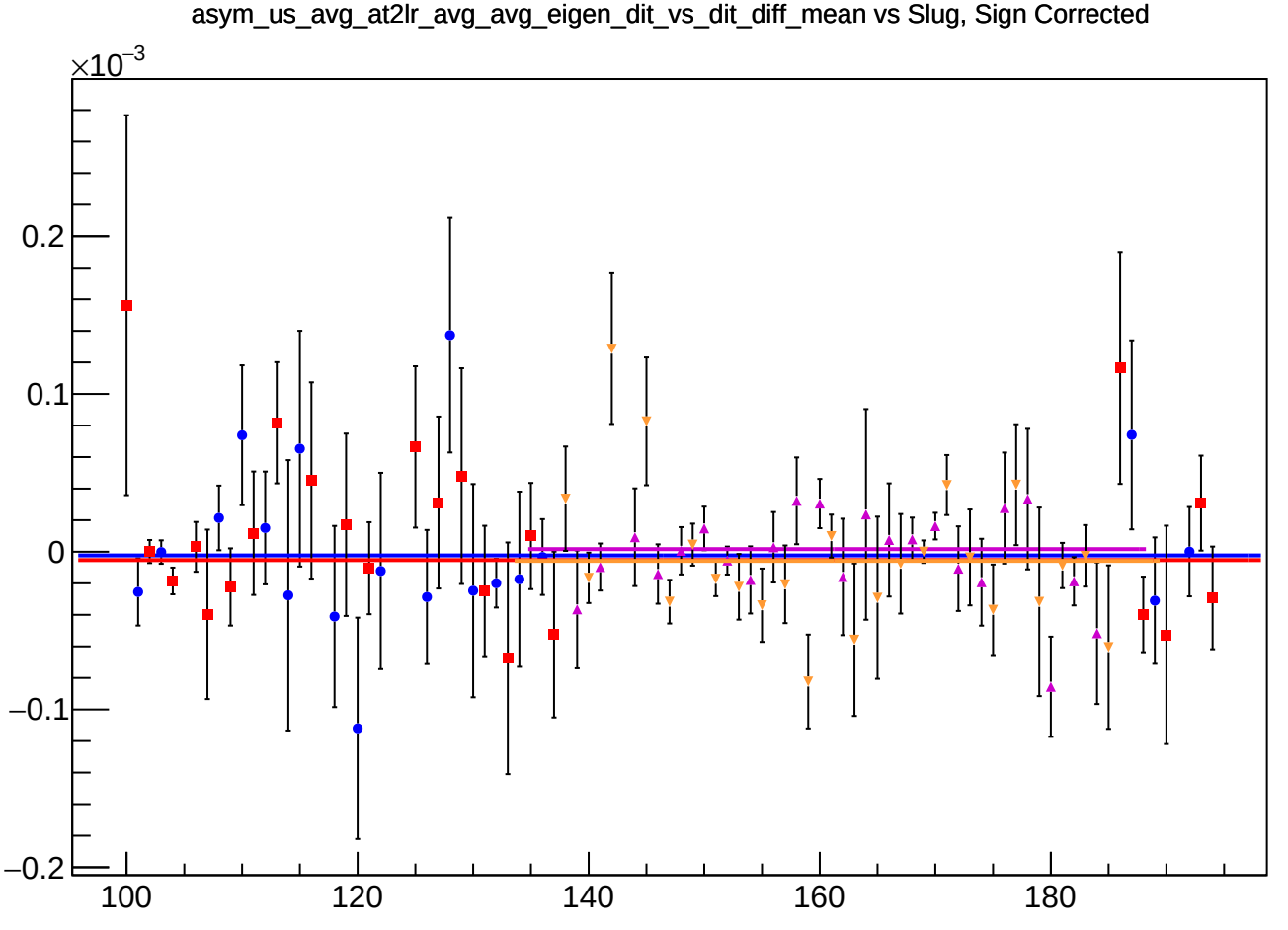
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 328.030+/-0.057 χ^2/NDF: 3766167.9/41

In: 478.967+/-0.071 χ^2/NDF:7161870.9/41

Out: 405.132+/-0.062 χ^2/NDF:12306559.6/46

All: 436.725+/-0.047 χ^2/NDF: 20083702.9/88



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.4/22

Left In: 0.000+/-0.000 χ^2/NDF:25.6/22

Left: -0.000+/-0.000 χ^2/NDF: 70.2/46

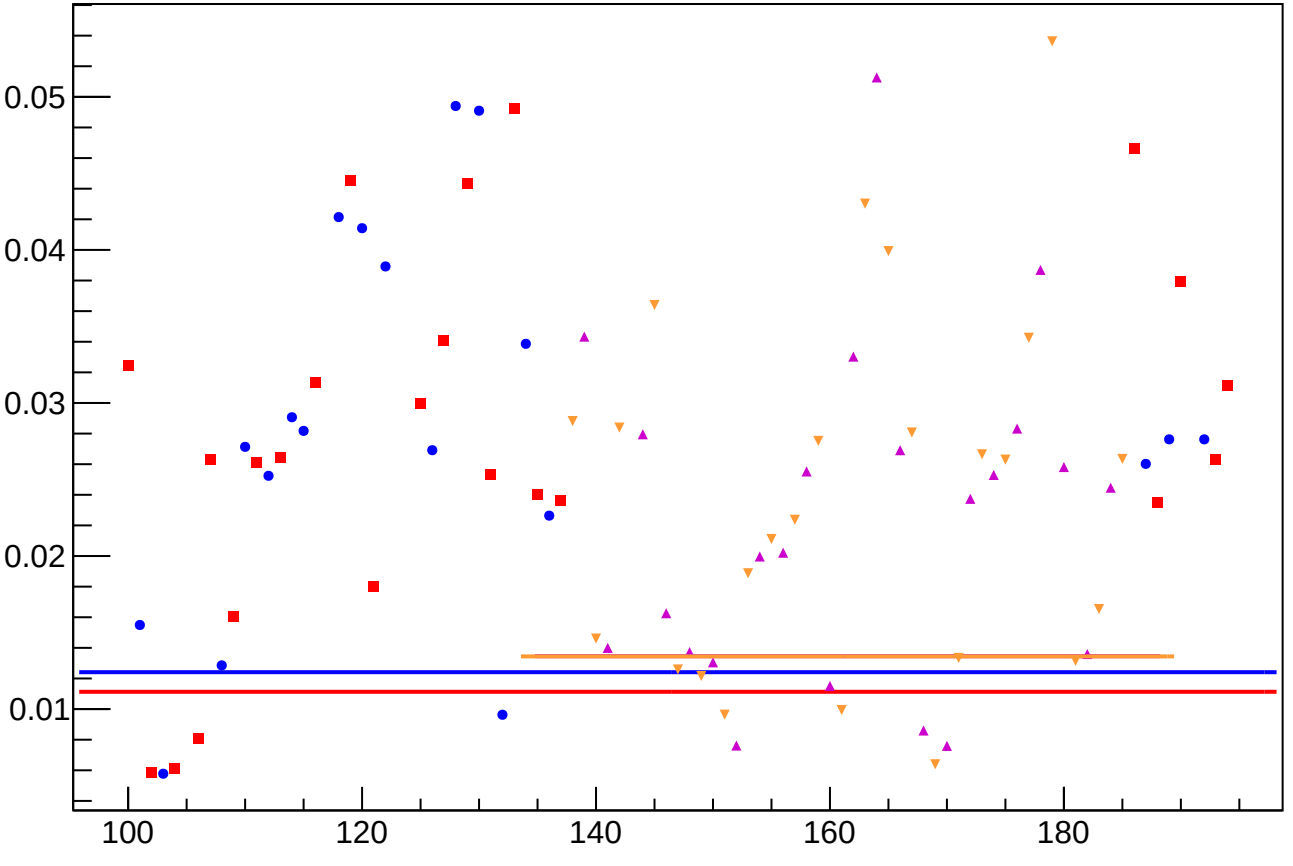
Right: -0.000+/-0.000 χ^2/NDF: 41.7/41

In: 0.000+/-0.000 χ^2/NDF:43.2/41

Out: -0.000+/-0.000 χ^2/NDF:67.0/46

All: -0.000+/-0.000 χ^2/NDF: 112.2/88

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 6533576.5/18

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

Right Out: 0.011+/-0.000 χ^2/NDF: 8570632.9/22

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

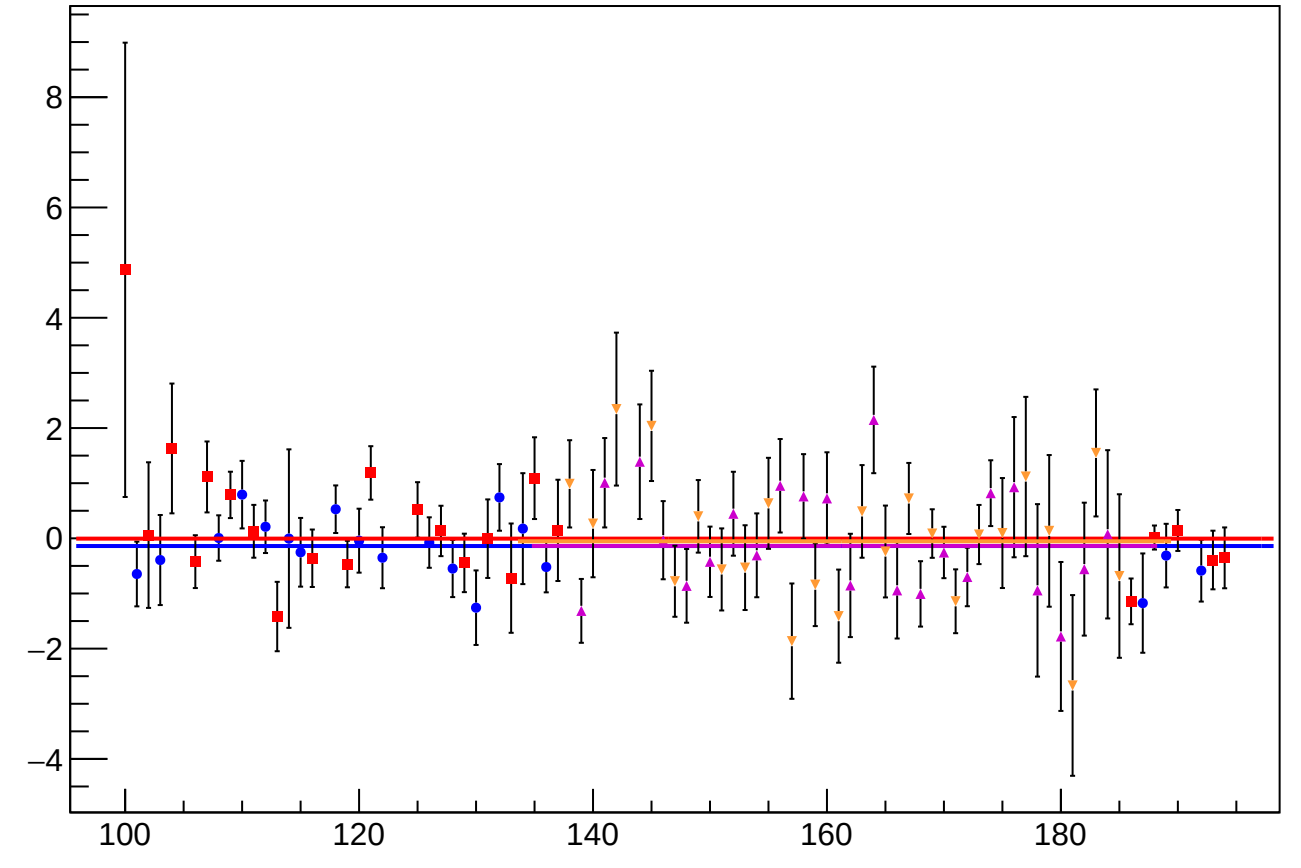
Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

Right: 0.012+/-0.000 χ^2/NDF: 15170498.2/41

In: 0.013+/-0.000 χ^2/NDF:14132779.4/41

Out: 0.013+/-0.000 χ^2/NDF:17739719.9/46

All: 0.013+/-0.000 χ^2/NDF: 31914205.2/88



Right In: -0.139+/-0.131 χ^2/NDF: 14.8/18

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: -0.005+/-0.103 χ^2/NDF: 36.7/22

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

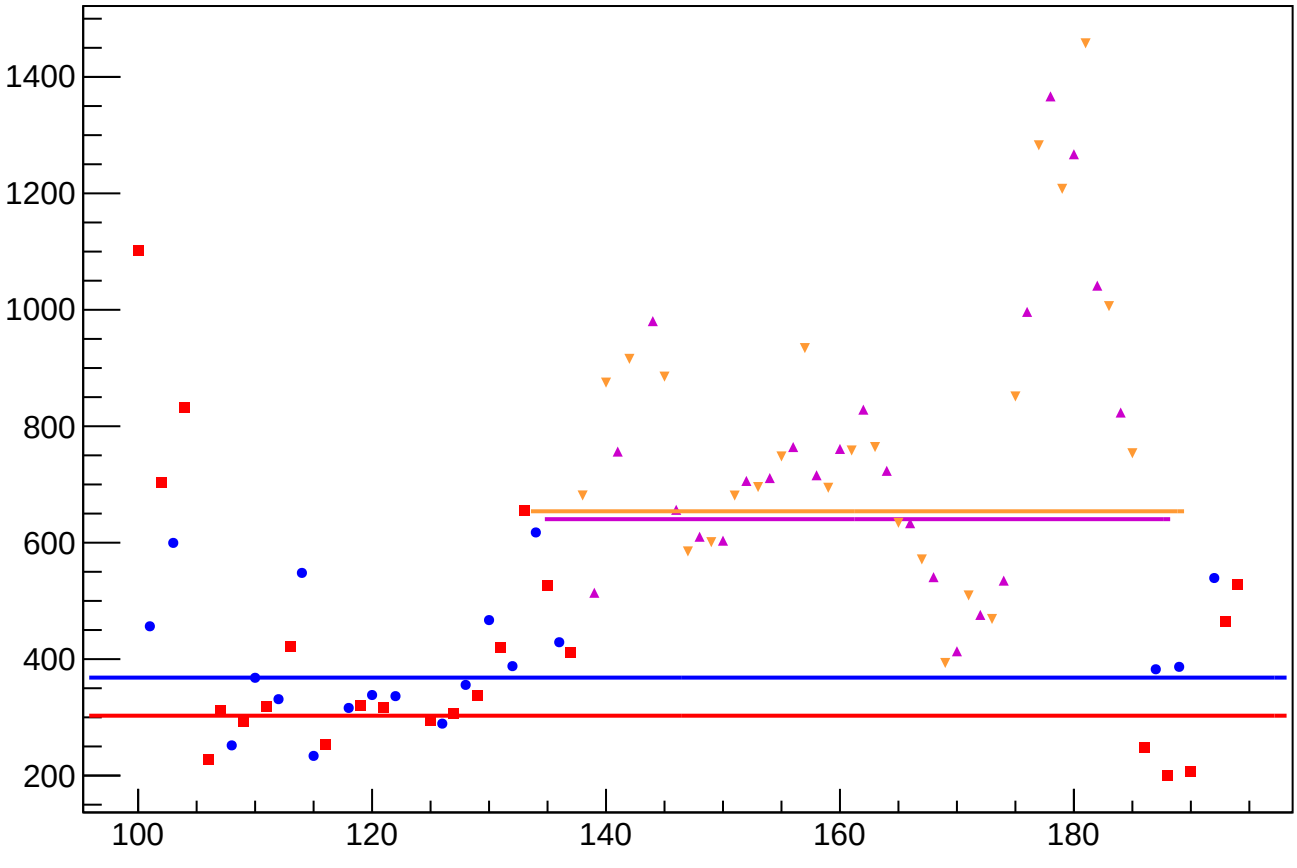
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.057+/-0.081 χ^2/NDF: 52.1/41

In: -0.139+/-0.101 χ^2/NDF:44.7/41

Out: -0.019+/-0.087 χ^2/NDF:66.9/46

All: -0.070+/-0.066 χ^2/NDF: 112.4/88



Right In: 368.261+/-0.092 χ^2/NDF: 988492.1/18

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 302.836+/-0.073 χ^2/NDF: 2469765.7/22

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

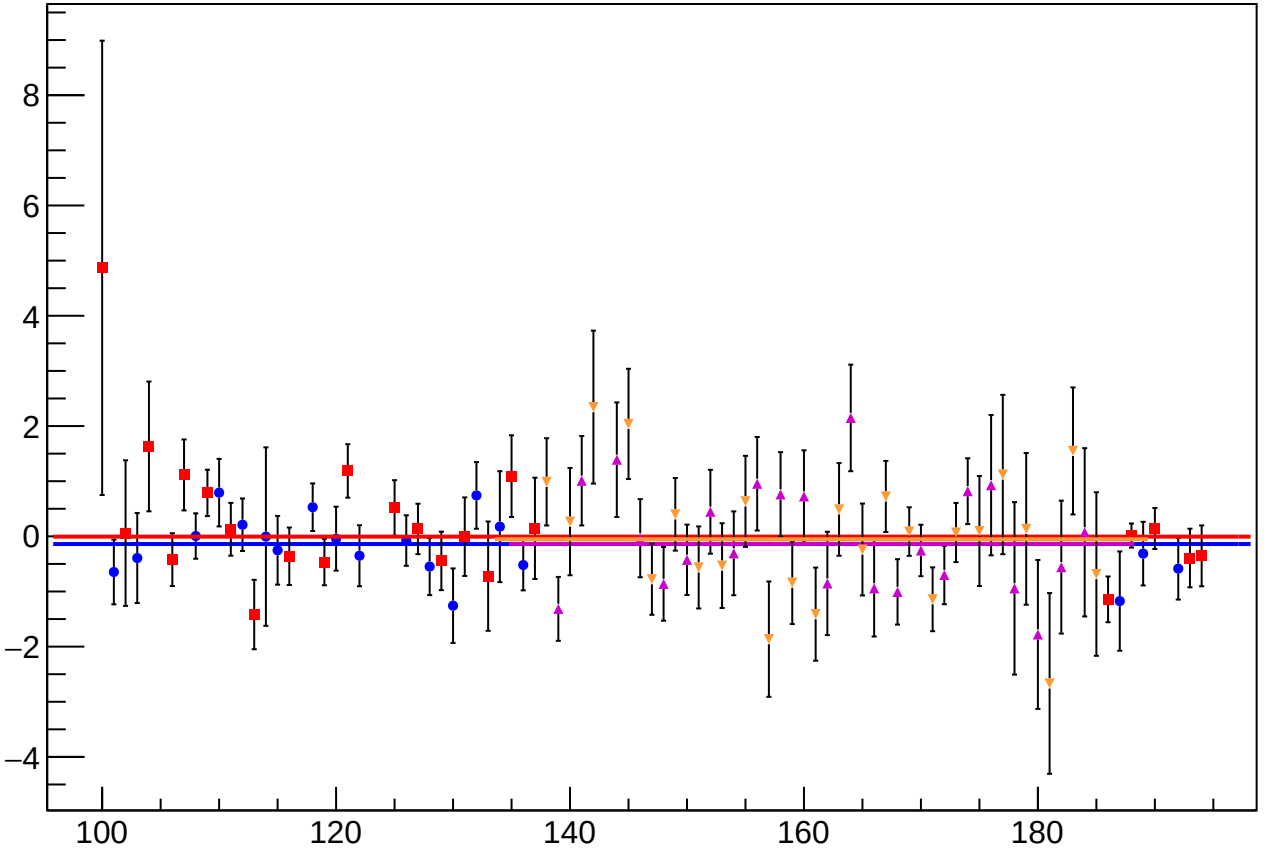
Right: 328.026+/-0.057 χ^2/NDF: 3766309.1/41

In: 478.966+/-0.071 χ^2/NDF:7162061.7/41

Out: 405.124+/-0.062 χ^2/NDF:12307181.8/46

All: 436.721+/-0.047 χ^2/NDF: 20084630.2/88

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.139+/-0.131 χ^2/NDF: 14.8/18

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: -0.005+/-0.103 χ^2/NDF: 36.7/22

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

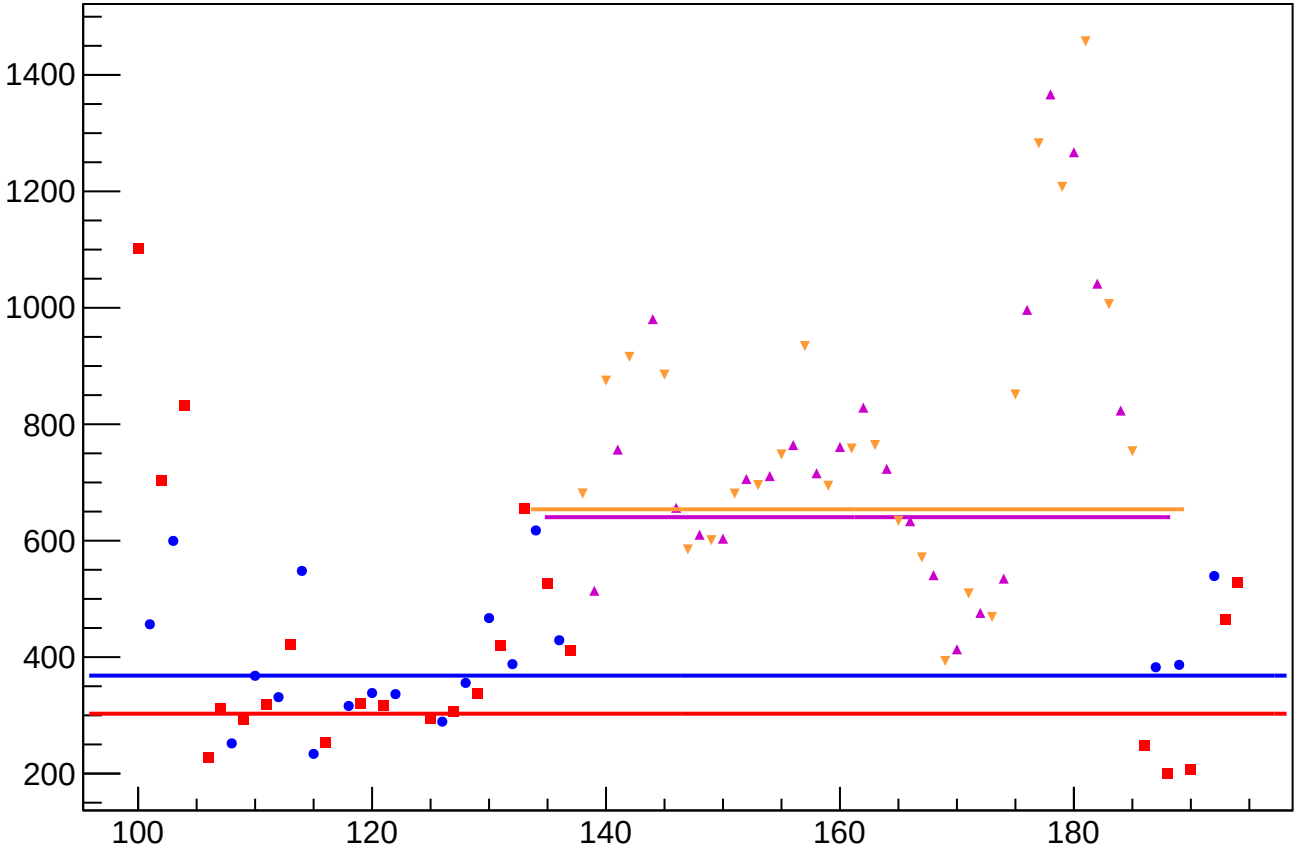
Right: -0.057+/-0.081 χ^2/NDF: 52.1/41

In: -0.139+/-0.101 χ^2/NDF:44.7/41

Out: -0.019+/-0.087 χ^2/NDF:66.9/46

All: -0.070+/-0.066 χ^2/NDF: 112.4/88

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 368.261+/-0.092 χ^2/NDF: 988492.1/18

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 302.836+/-0.073 χ^2/NDF: 2469765.7/22

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

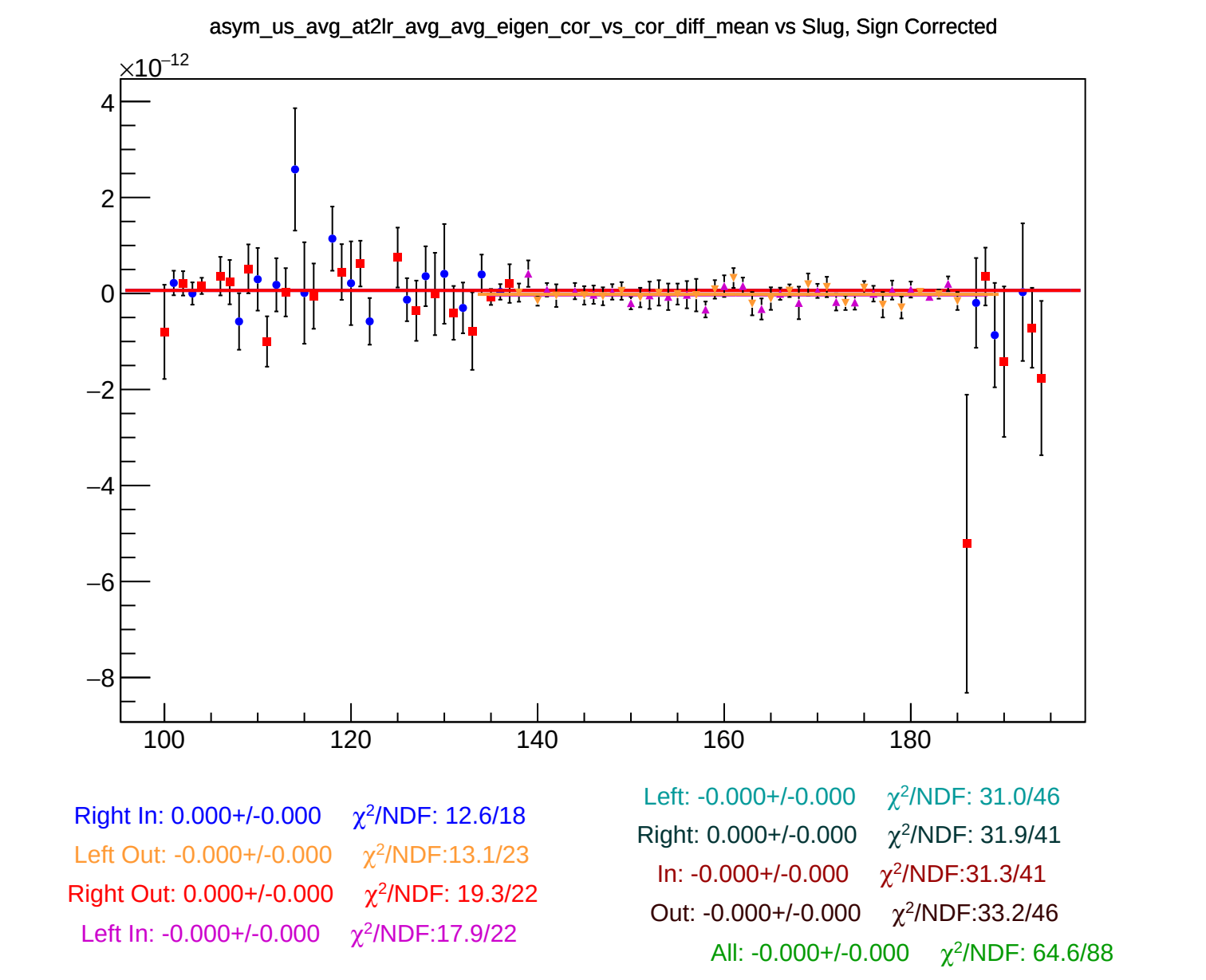
Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

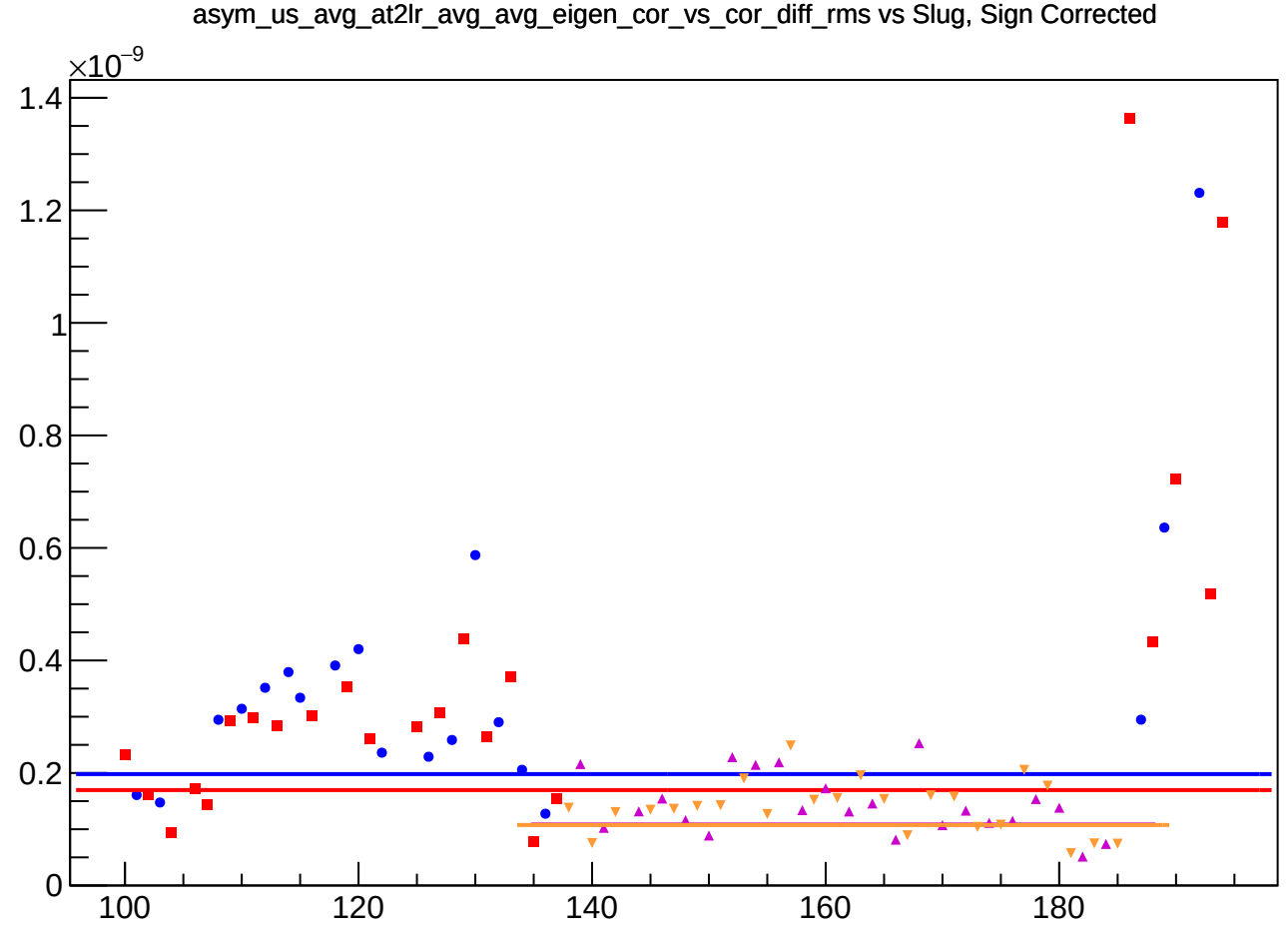
Right: 328.026+/-0.057 χ^2/NDF: 3766309.1/41

In: 478.966+/-0.071 χ^2/NDF:7162061.7/41

Out: 405.124+/-0.062 χ^2/NDF:12307181.8/46

All: 436.721+/-0.047 χ^2/NDF: 20084630.2/88


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
Right In: 0.000+/-0.000 χ²/NDF: 12.6/18
Left Out: -0.000+/-0.000 χ²/NDF:13.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 19.3/22
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: 31.9/41
In: -0.000+/-0.000 χ²/NDF:31.3/41
Out: -0.000+/-0.000 χ²/NDF:33.2/46
All: -0.000+/-0.000 χ²/NDF: 64.6/88



Right In: 0.000+/-0.000 χ^2/NDF: 2922968.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4323966.4/22

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

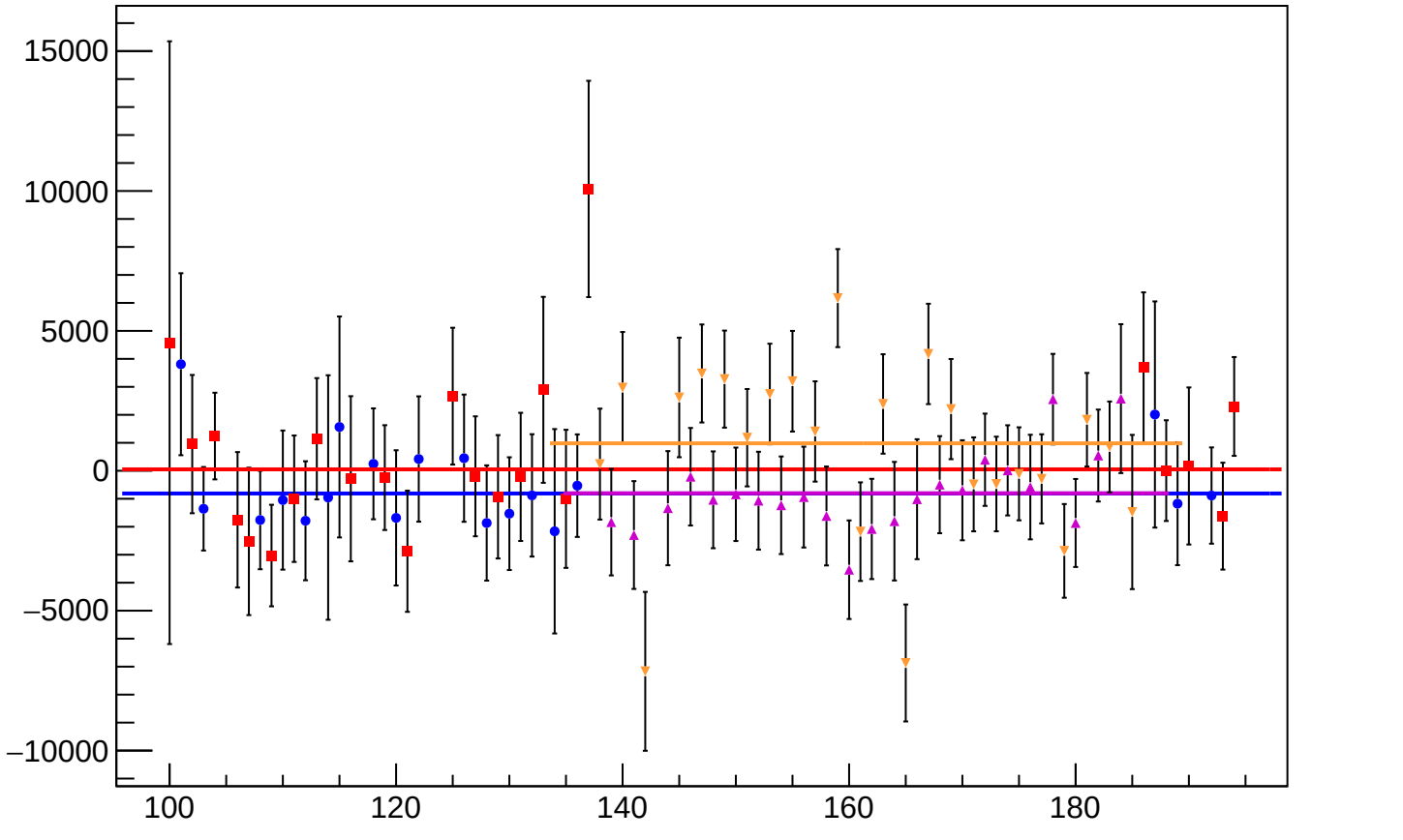
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

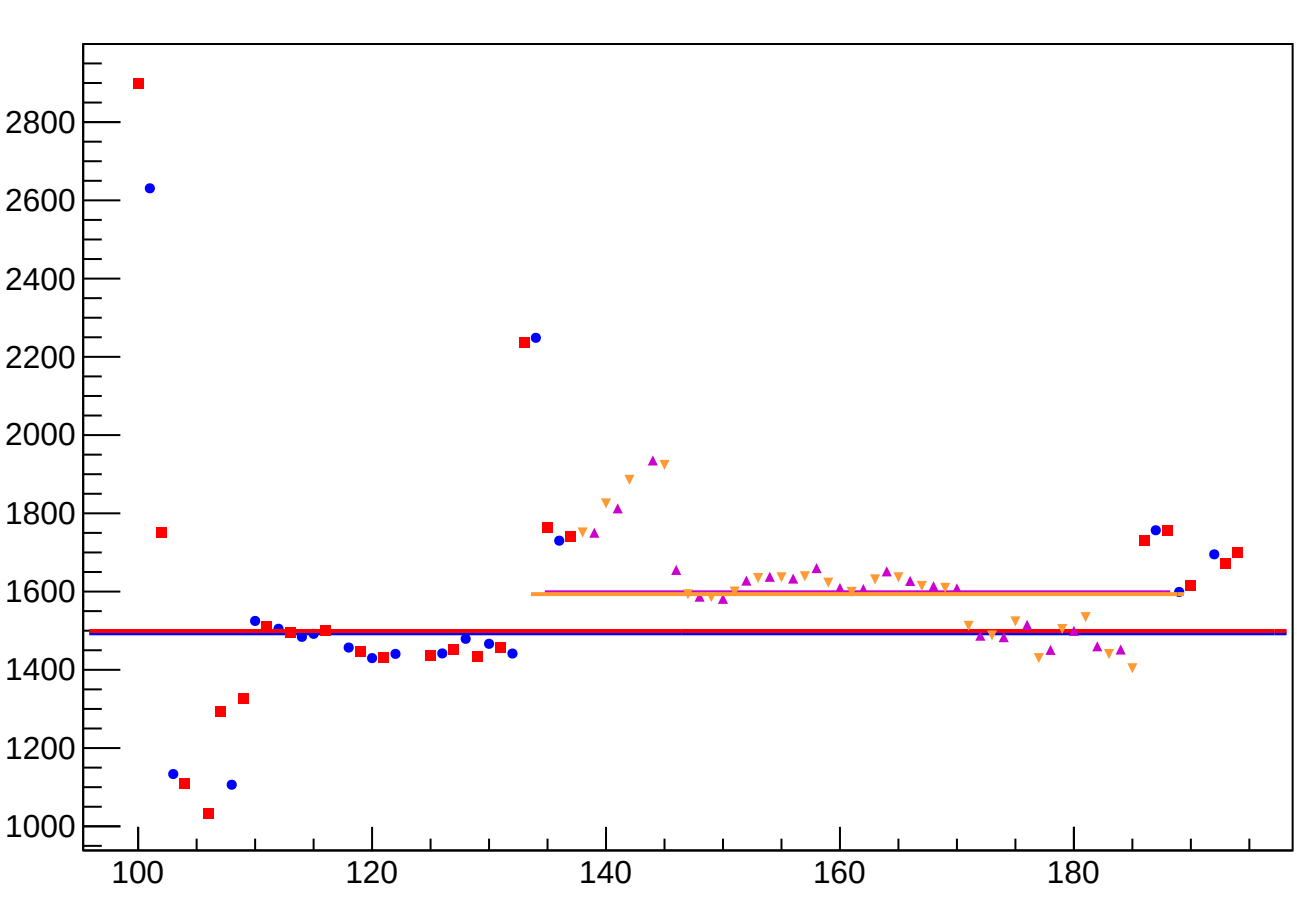
Right: 0.000+/-0.000 χ^2/NDF: 7346969.8/41

In: 0.000+/-0.000 χ^2/NDF:8369874.0/41

Out: 0.000+/-0.000 χ^2/NDF:8722549.2/46

All: 0.000+/-0.000 χ^2/NDF: 17097351.0/88


reg_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
Right In: -811.249+/-509.325 χ²/NDF: 5.1/18
Left Out: 981.627+/-370.843 χ²/NDF:55.5/23
Right Out: 51.693+/-471.373 χ²/NDF: 20.8/22
Left In: -803.908+/-374.066 χ²/NDF:12.4/22
Left: 96.584+/-263.358 χ²/NDF: 79.5/46
Right: -346.433+/-345.951 χ²/NDF: 27.5/41
In: -806.480+/-301.490 χ²/NDF:17.6/41
Out: 626.101+/-291.457 χ²/NDF:78.8/46
All: -65.956+/-209.548 χ²/NDF: 108.0/88



Right In: 1493.363+/-0.360 χ^2/NDF: 623355.2/18

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1499.253+/-0.331 χ^2/NDF: 545933.0/22

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

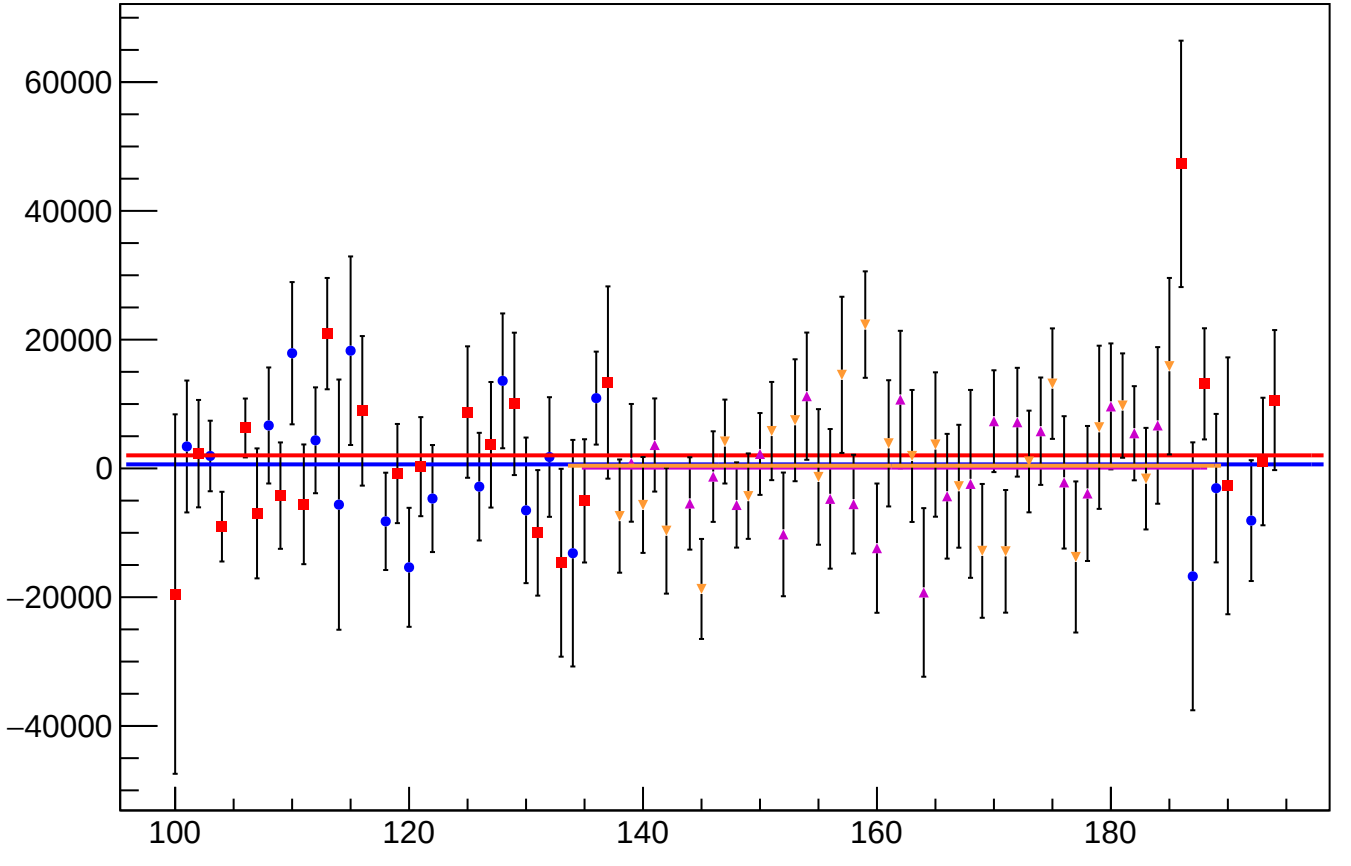
Right: 1496.552+/-0.244 χ^2/NDF: 1169433.0/41

In: 1561.413+/-0.213 χ^2/NDF:847472.4/41

Out: 1557.212+/-0.206 χ^2/NDF:783249.1/46

All: 1559.237+/-0.148 χ^2/NDF: 1630922.6/88

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 627.933+/-2153.708 χ^2/NDF: 16.0/18

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: 2029.951+/-1874.982 χ^2/NDF: 25.9/22

Left In: 126.369+/-1814.830 χ^2/NDF:13.9/22

Left: 276.118+/-1285.060 χ^2/NDF: 43.3/46

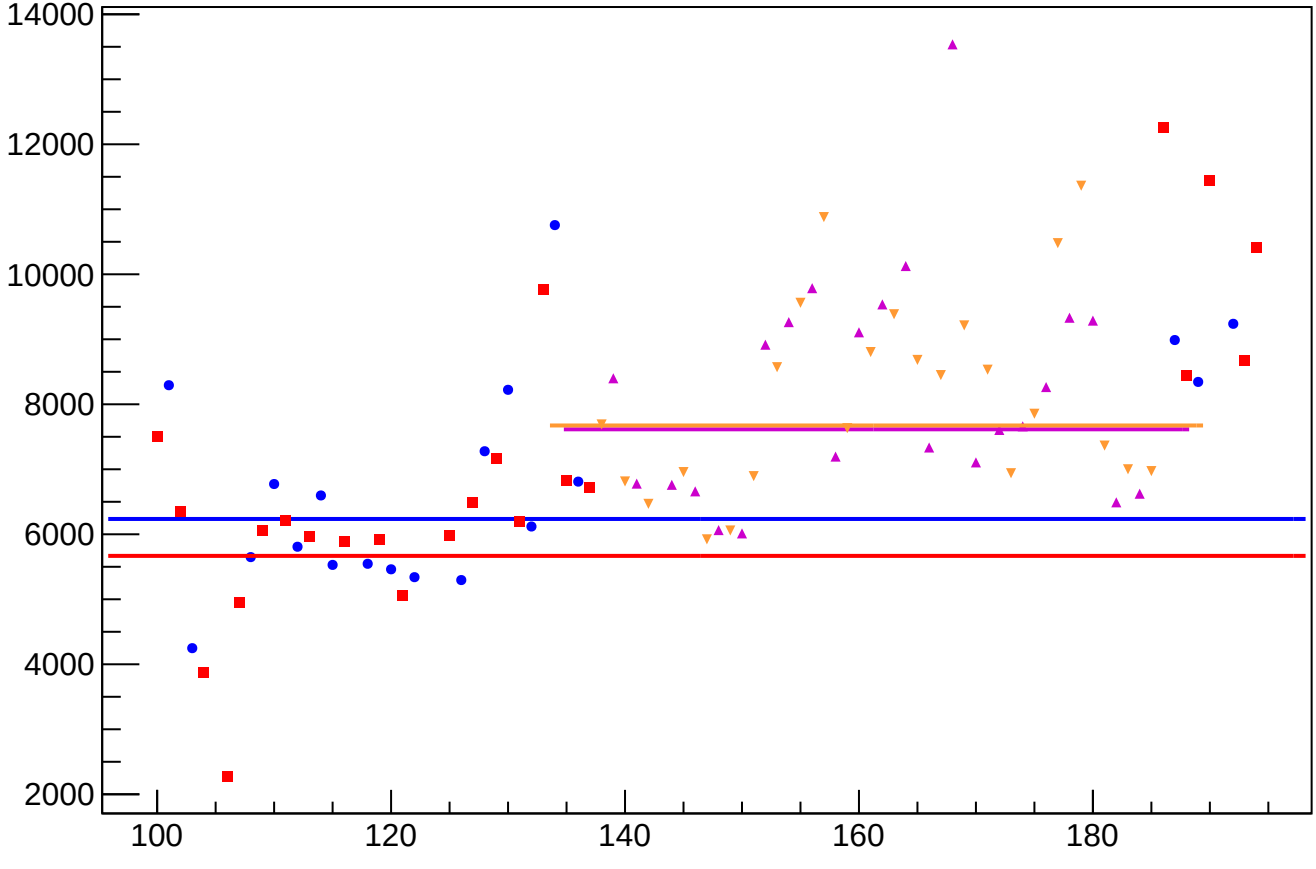
Right: 1425.479+/-1414.159 χ^2/NDF: 42.1/41

In: 334.632+/-1387.809 χ^2/NDF:29.9/41

Out: 1204.421+/-1305.895 χ^2/NDF:55.6/46

All: 795.952+/-951.048 χ^2/NDF: 85.7/88

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 6235.731+/-1.523 χ^2/NDF: 980352.7/18

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 5667.740+/-1.326 χ^2/NDF: 2815349.9/22

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

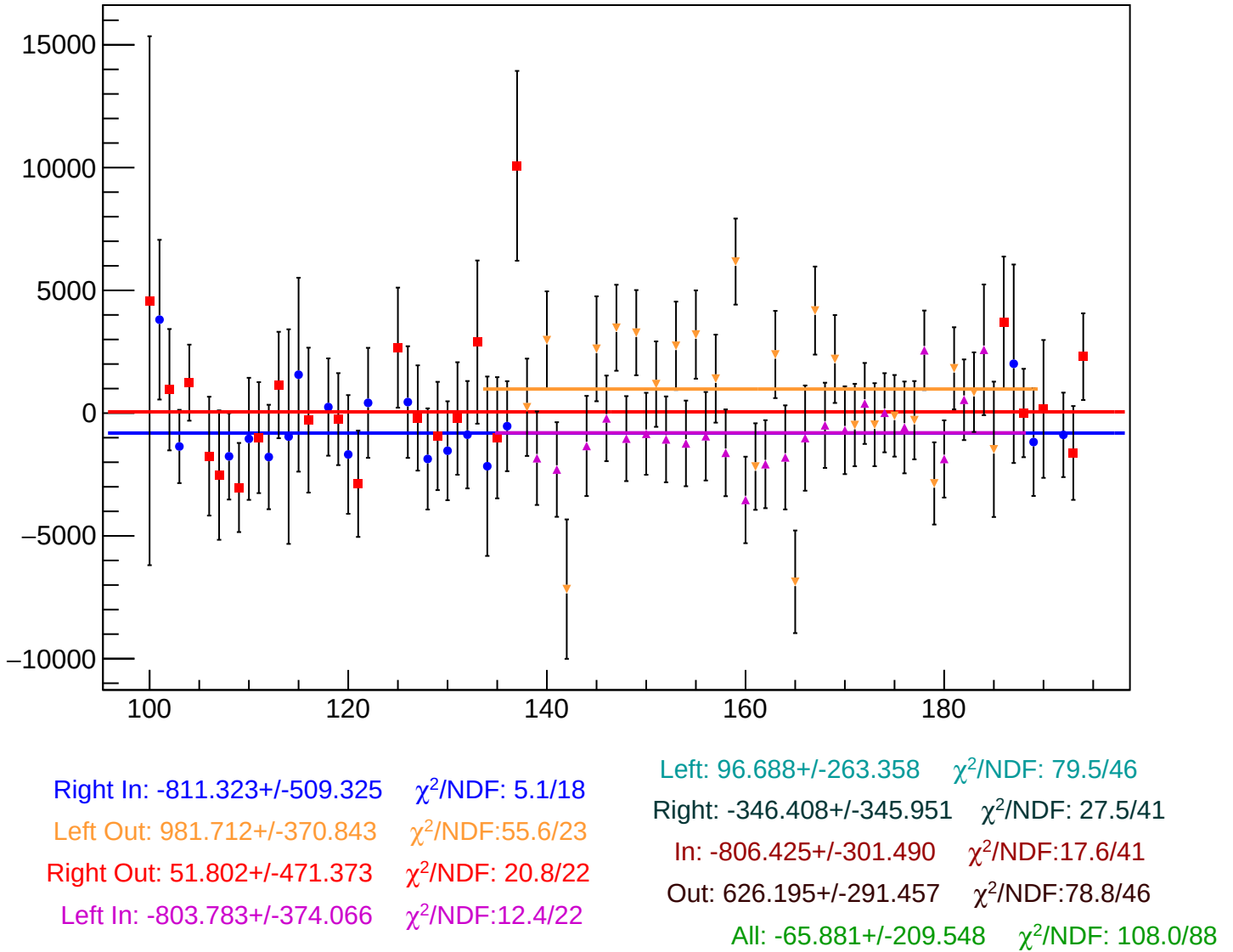
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

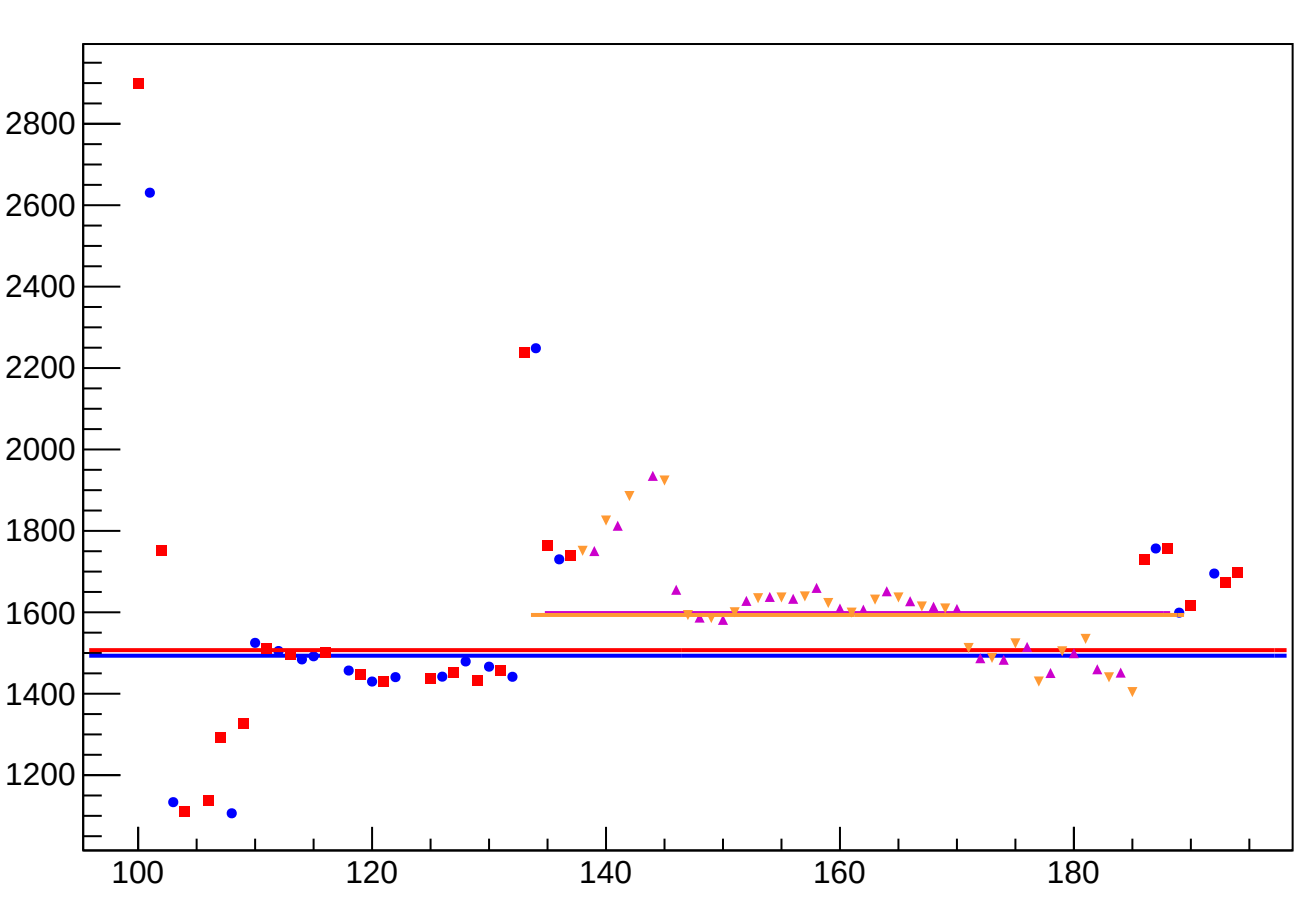
Right: 5912.626+/-1.000 χ^2/NDF: 3874832.7/41

In: 7042.275+/-0.981 χ^2/NDF:2684523.8/41

Out: 6700.815+/-0.923 χ^2/NDF:5071210.6/46

All: 6861.171+/-0.672 χ^2/NDF: 7819949.8/88


cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
Right In: -811.323+/-509.325 χ²/NDF: 5.1/18
Left Out: 981.712+/-370.843 χ²/NDF:55.6/23
Right Out: 51.802+/-471.373 χ²/NDF: 20.8/22
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -346.408+/-345.951 χ²/NDF: 27.5/41
In: -806.425+/-301.490 χ²/NDF:17.6/41
Out: 626.195+/-291.457 χ²/NDF:78.8/46
All: -65.881+/-209.548 χ²/NDF: 108.0/88



Right In: 1493.363+/-0.360 χ^2/NDF: 623355.5/18

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1507.071+/-0.333 χ^2/NDF: 498537.5/22

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

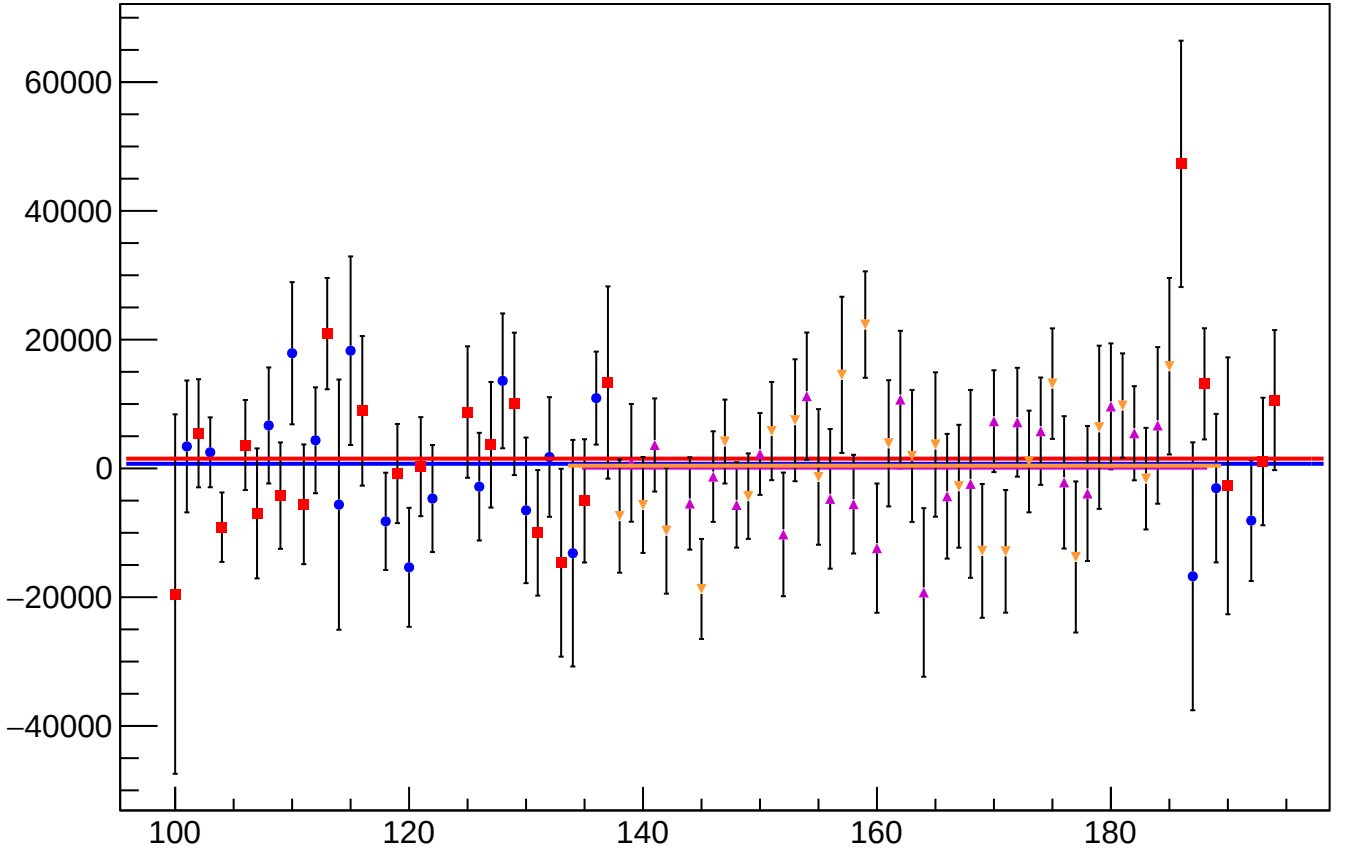
Right: 1500.759+/-0.244 χ^2/NDF: 1122674.6/41

In: 1561.413+/-0.213 χ^2/NDF:847472.8/41

Out: 1560.377+/-0.206 χ^2/NDF:727752.9/46

All: 1560.877+/-0.148 χ^2/NDF: 1575237.9/88

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 721.804+/-2150.481 χ^2/NDF: 16.1/18

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 1518.888+/-1972.183 χ^2/NDF: 25.3/22

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

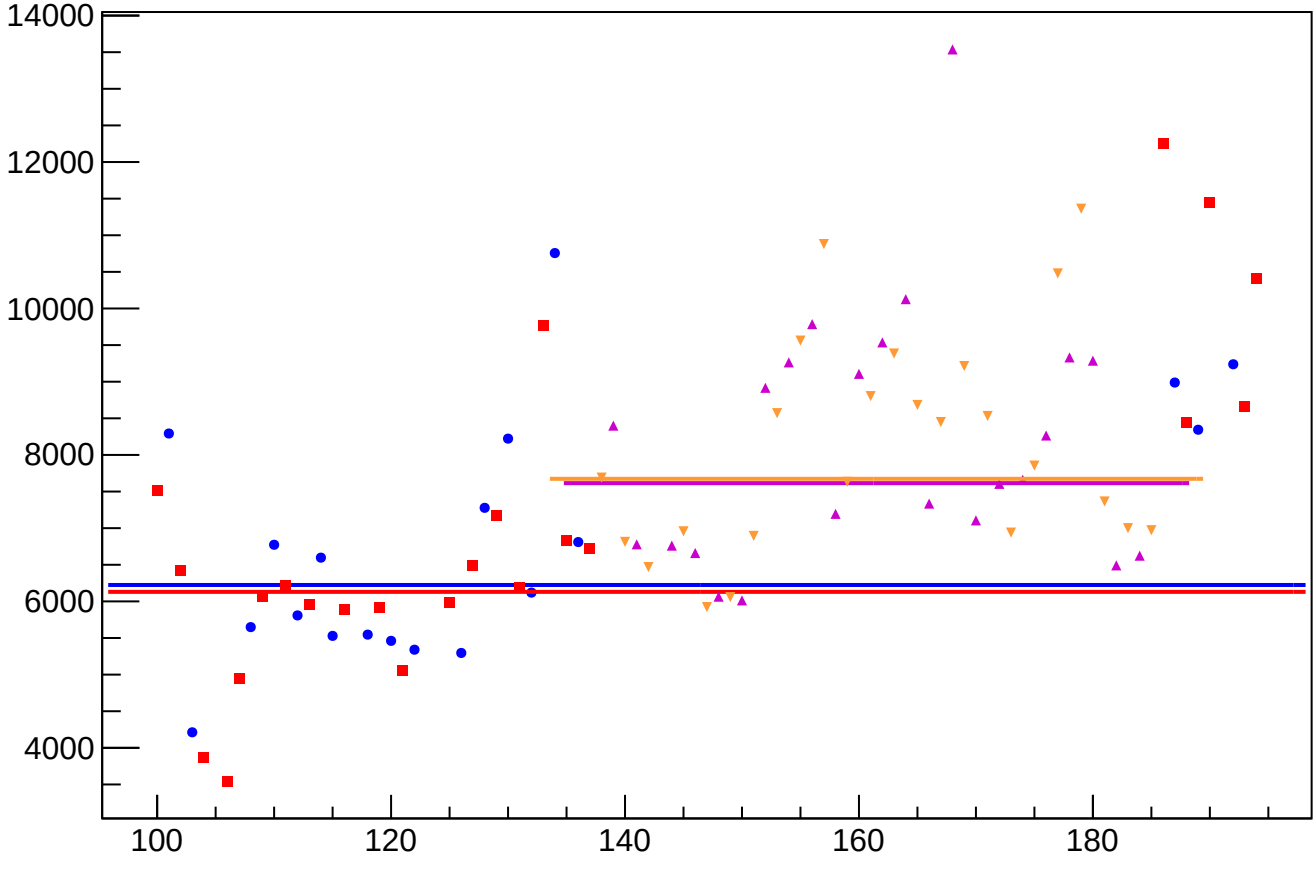
Right: 1154.754+/-1453.497 χ^2/NDF: 41.4/41

In: 374.047+/-1386.943 χ^2/NDF:30.0/41

Out: 928.999+/-1337.455 χ^2/NDF:54.8/46

All: 661.600+/-962.744 χ^2/NDF: 84.9/88

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 6224.155+/-1.521 χ^2/NDF: 995091.6/18

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6130.180+/-1.395 χ^2/NDF: 1793631.6/22

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

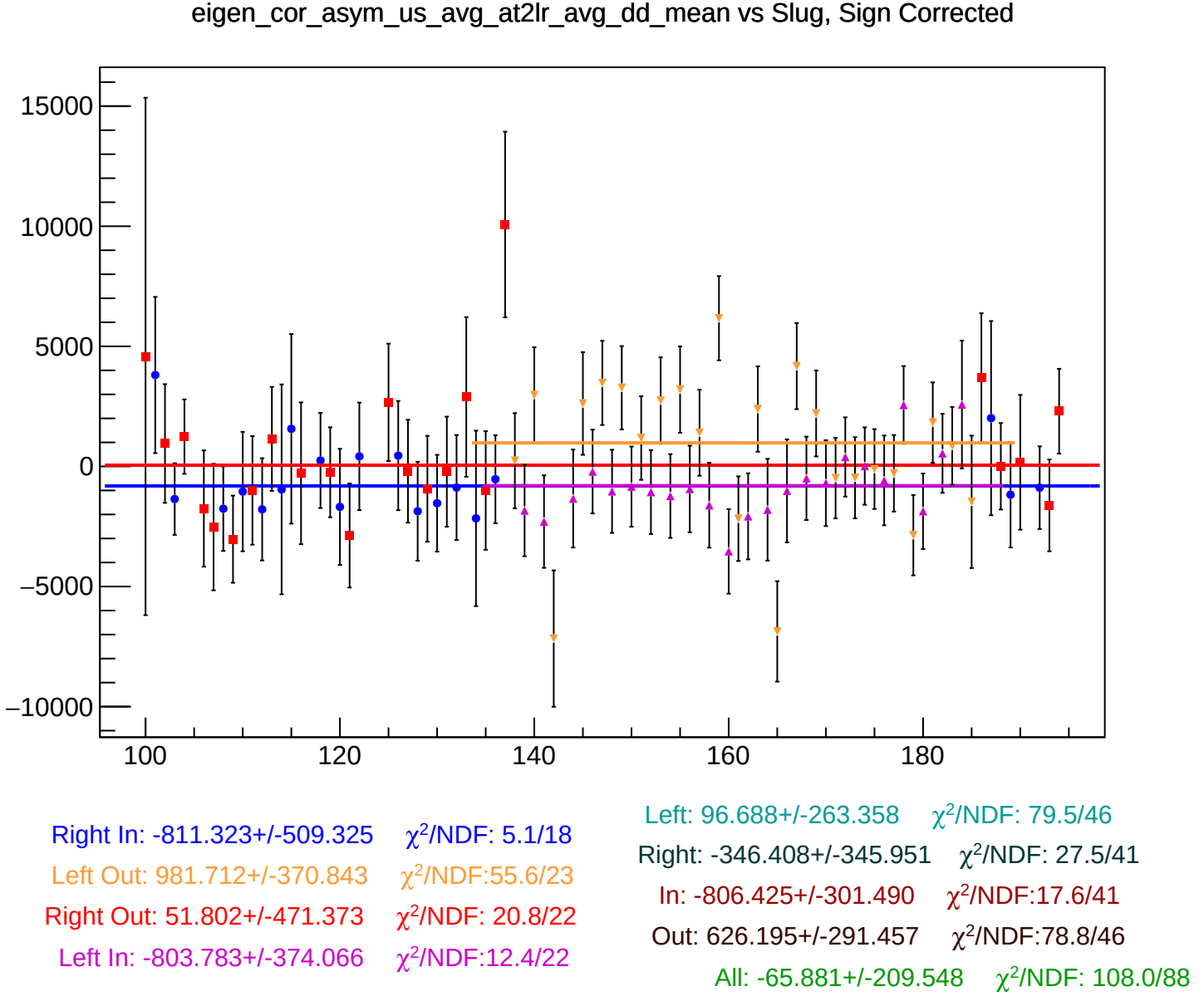
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

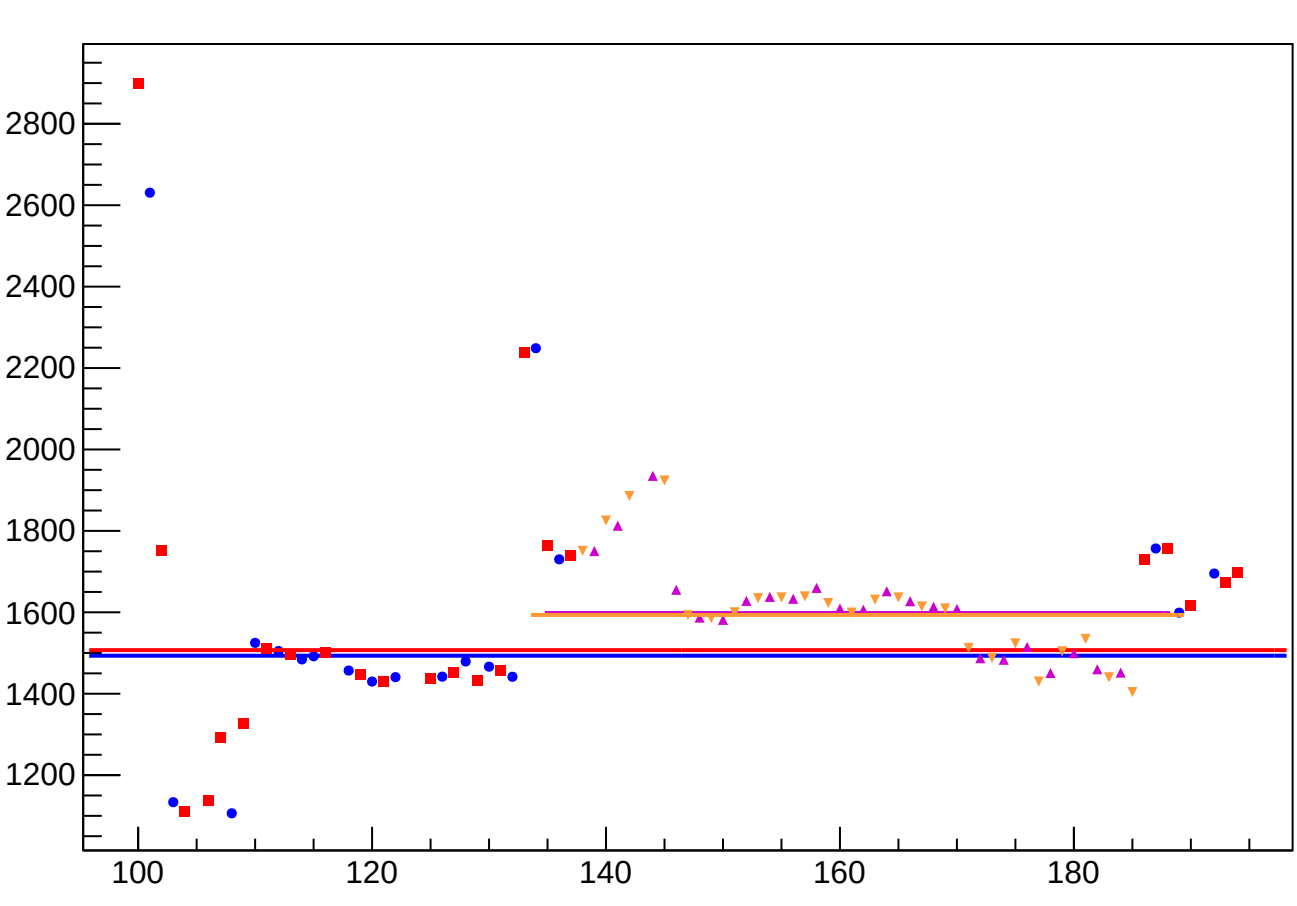
Right: 6173.111+/-1.028 χ^2/NDF: 2790797.7/41

In: 7036.450+/-0.981 χ^2/NDF:2708202.3/41

Out: 6964.030+/-0.946 χ^2/NDF:3532312.8/46

All: 6998.925+/-0.681 χ^2/NDF: 6243340.6/88


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
Right In: -811.323+/-509.325 χ²/NDF: 5.1/18
Left Out: 981.712+/-370.843 χ²/NDF:55.6/23
Right Out: 51.802+/-471.373 χ²/NDF: 20.8/22
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -346.408+/-345.951 χ²/NDF: 27.5/41
In: -806.425+/-301.490 χ²/NDF:17.6/41
Out: 626.195+/-291.457 χ²/NDF:78.8/46
All: -65.881+/-209.548 χ²/NDF: 108.0/88



Right In: 1493.363+/-0.360 χ^2/NDF: 623355.5/18

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1507.071+/-0.333 χ^2/NDF: 498537.5/22

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

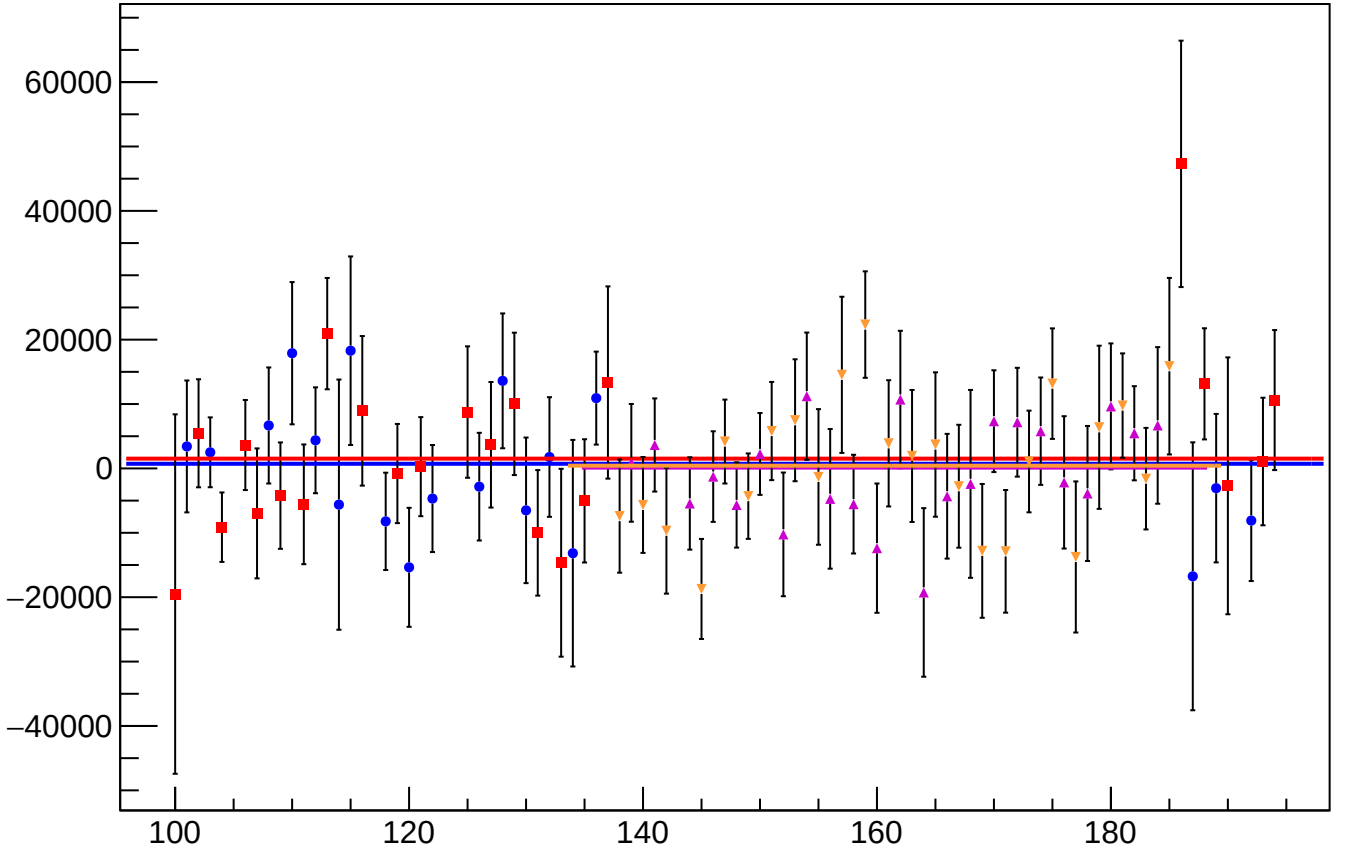
Right: 1500.759+/-0.244 χ^2/NDF: 1122674.6/41

In: 1561.413+/-0.213 χ^2/NDF:847472.8/41

Out: 1560.377+/-0.206 χ^2/NDF:727752.9/46

All: 1560.877+/-0.148 χ^2/NDF: 1575237.9/88

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 721.804+/-2150.481 χ^2/NDF: 16.1/18

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 1518.888+/-1972.183 χ^2/NDF: 25.3/22

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

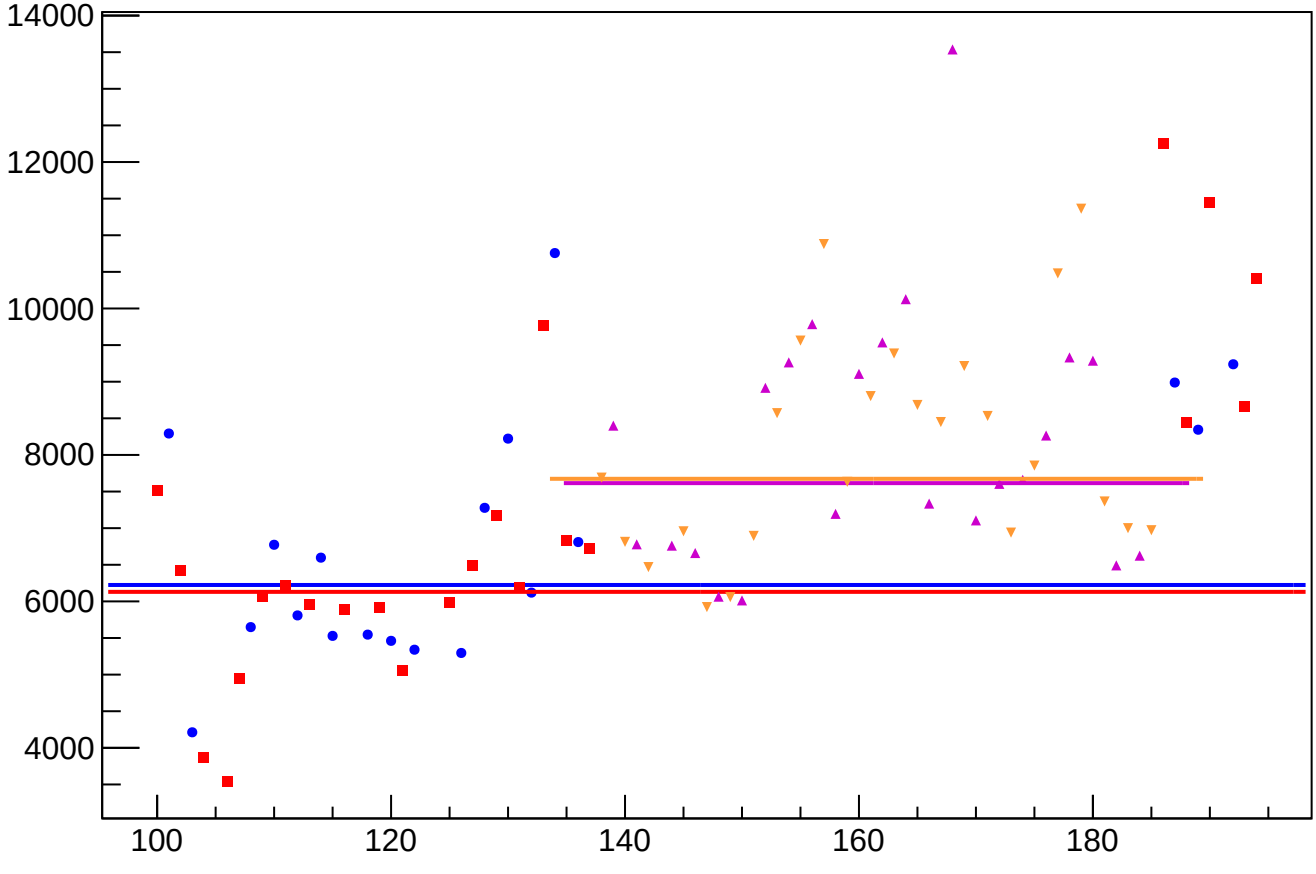
Right: 1154.754+/-1453.497 χ^2/NDF: 41.4/41

In: 374.047+/-1386.943 χ^2/NDF:30.0/41

Out: 928.999+/-1337.455 χ^2/NDF:54.8/46

All: 661.600+/-962.744 χ^2/NDF: 84.9/88

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 6224.155+/-1.521 χ^2/NDF: 995091.6/18

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6130.180+/-1.395 χ^2/NDF: 1793631.6/22

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

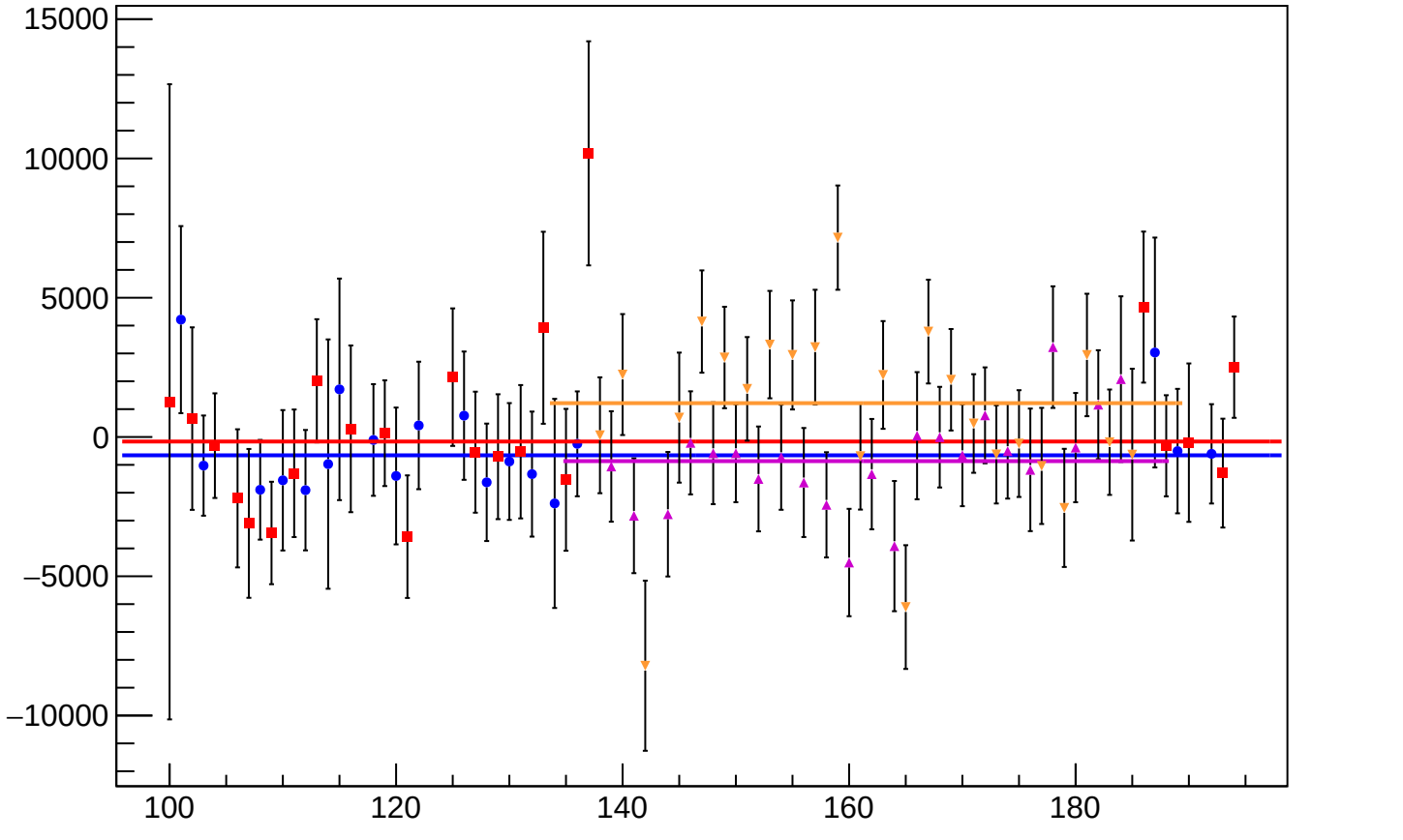
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 6173.111+/-1.028 χ^2/NDF: 2790797.7/41

In: 7036.450+/-0.981 χ^2/NDF:2708202.3/41

Out: 6964.030+/-0.946 χ^2/NDF:3532312.8/46

All: 6998.925+/-0.681 χ^2/NDF: 6243340.6/88



Right In: -657.731+/-529.541 χ^2/NDF: 5.6/18

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: -162.417+/-490.826 χ^2/NDF: 23.8/22

Left In: -866.022+/-410.038 χ^2/NDF:15.1/22

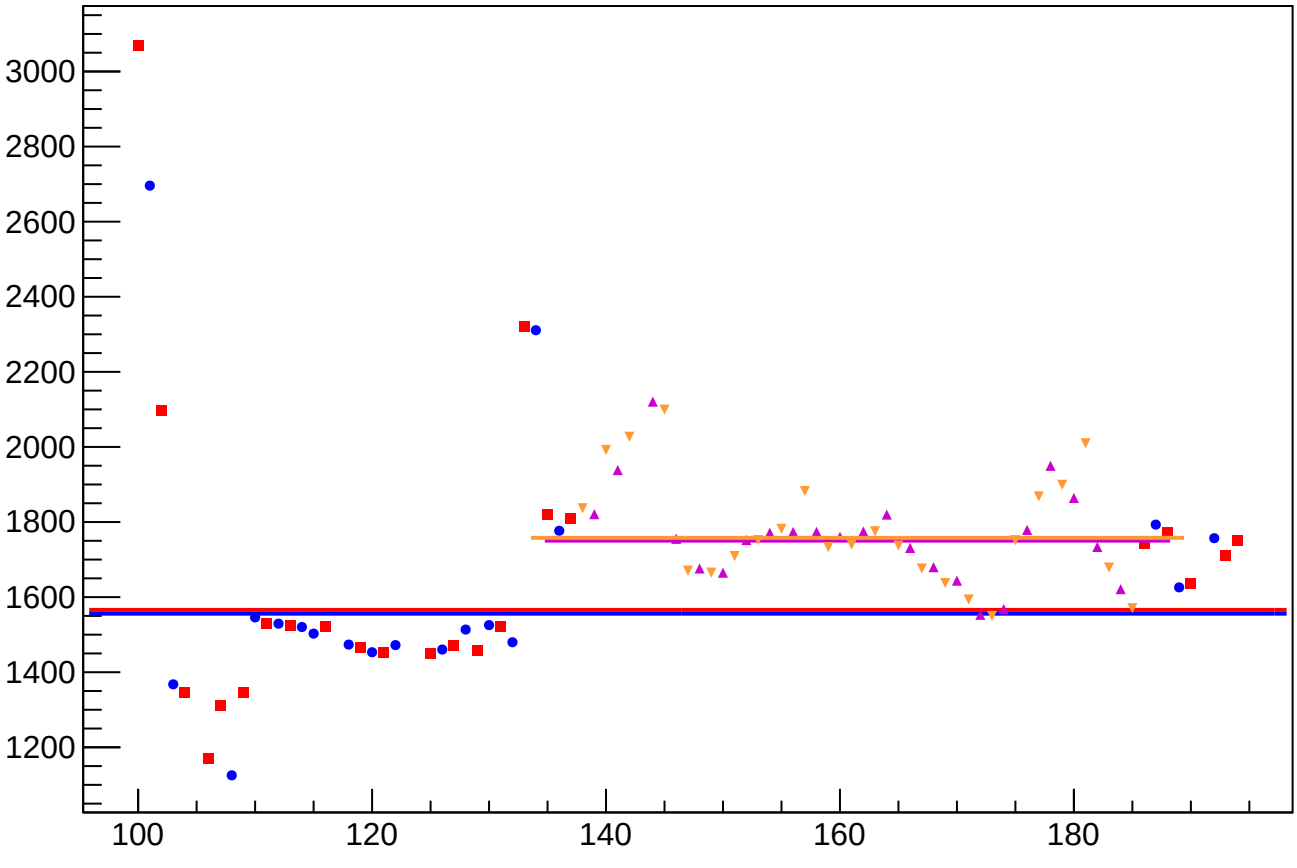
Left: 175.818+/-289.780 χ^2/NDF: 76.5/46

Right: -391.307+/-359.976 χ^2/NDF: 29.9/41

In: -787.946+/-324.206 χ^2/NDF:20.8/41

Out: 649.776+/-314.474 χ^2/NDF:76.9/46

All: -47.183+/-225.729 χ^2/NDF: 107.8/88



Right In: 1555.999+/-0.374 χ^2/NDF: 527859.0/18

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

Right Out: 1565.962+/-0.347 χ^2/NDF: 429347.5/22

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

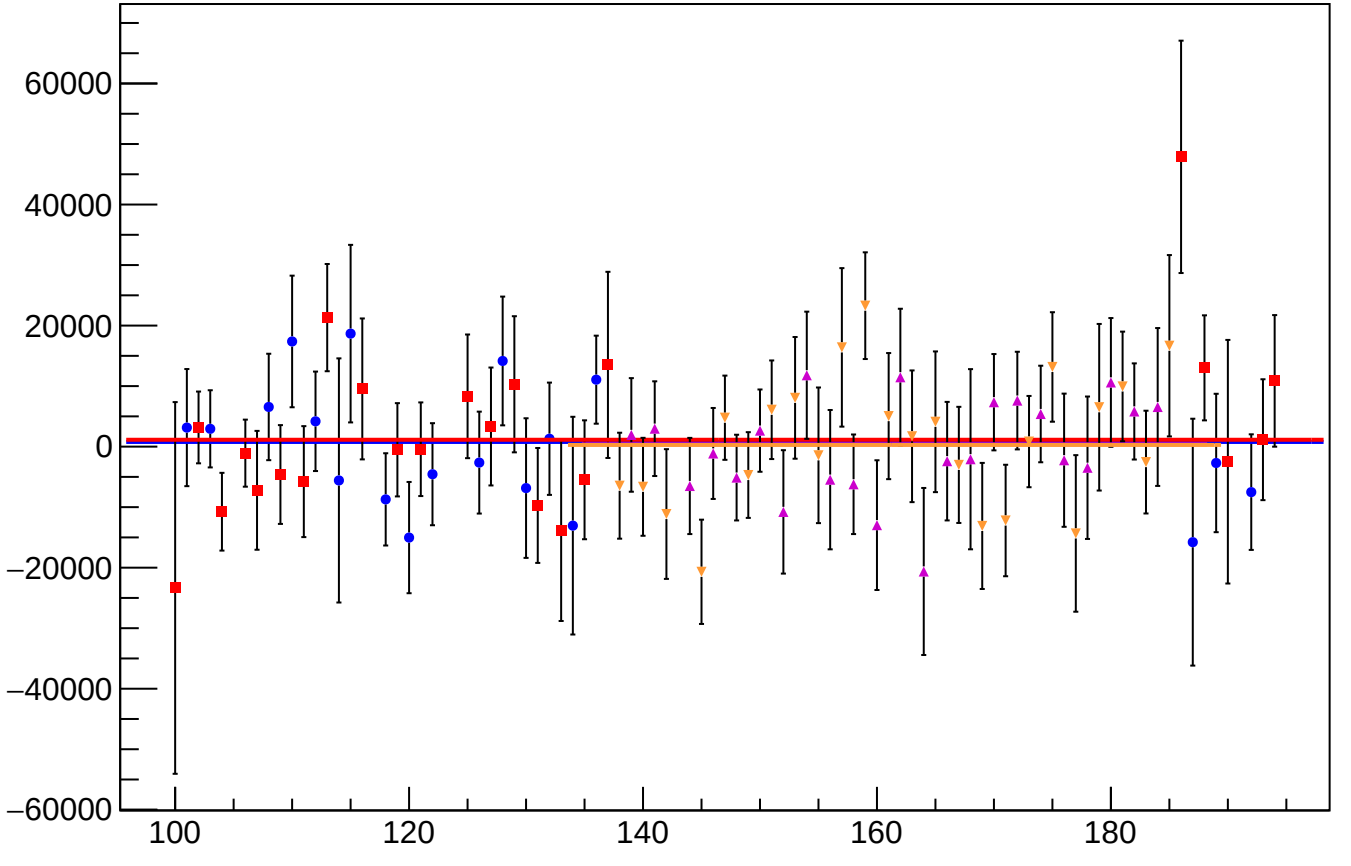
Right: 1561.359+/-0.255 χ^2/NDF: 957587.5/41

In: 1677.579+/-0.229 χ^2/NDF:868390.6/41

Out: 1679.128+/-0.222 χ^2/NDF:823091.8/46

All: 1678.377+/-0.160 χ^2/NDF: 1691505.9/88

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 773.494+/-2198.979 χ^2/NDF: 15.9/18

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: 1134.858+/-1916.003 χ^2/NDF: 25.2/22

Left In: 382.660+/-1912.385 χ^2/NDF:13.6/22

Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

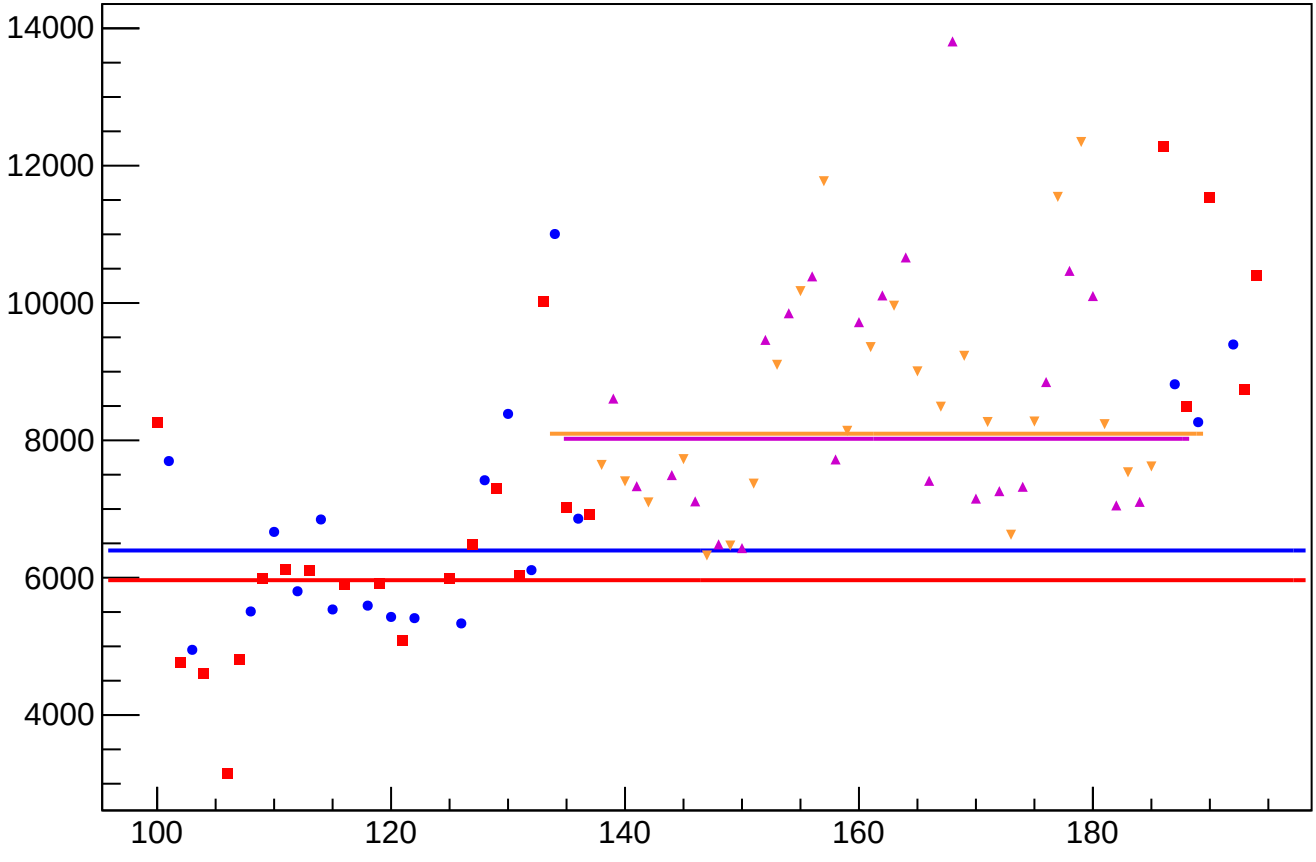
Right: 978.909+/-1444.574 χ^2/NDF: 41.1/41

In: 550.965+/-1443.022 χ^2/NDF:29.5/41

Out: 710.807+/-1356.277 χ^2/NDF:53.9/46

All: 635.834+/-988.277 χ^2/NDF: 83.5/88

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 6396.314+/-1.555 χ^2/NDF: 780783.8/18

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

Right Out: 5963.795+/-1.355 χ^2/NDF: 1991887.1/22

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

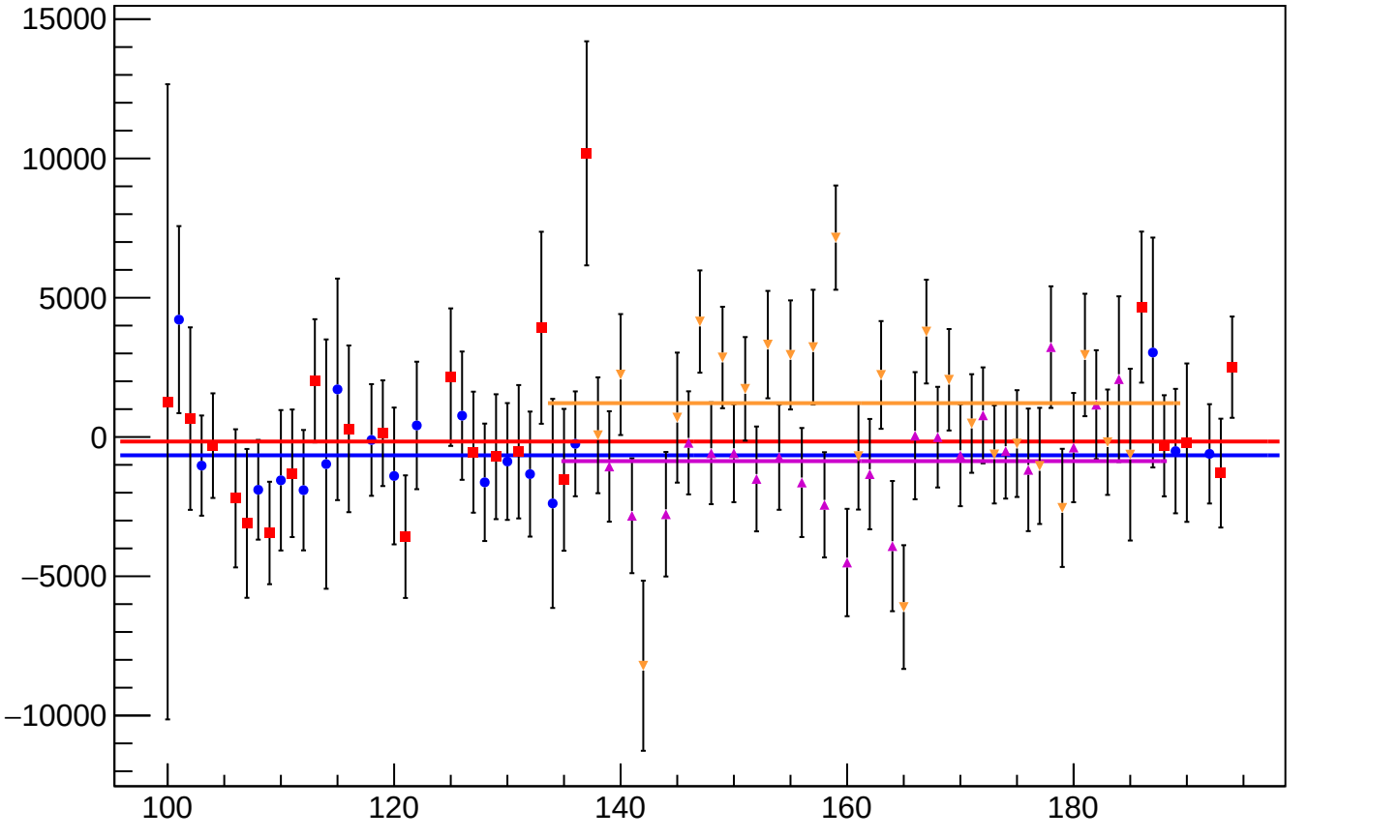
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 6150.451+/-1.021 χ^2/NDF: 2816654.0/41

In: 7322.345+/-1.020 χ^2/NDF:2629270.0/41

Out: 7028.010+/-0.959 χ^2/NDF:4316375.8/46

All: 7166.066+/-0.699 χ^2/NDF: 6989826.0/88



Right In: -657.735+/-529.540 χ^2/NDF: 5.6/18

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: -162.424+/-490.826 χ^2/NDF: 23.8/22

Left In: -866.021+/-410.039 χ^2/NDF:15.1/22

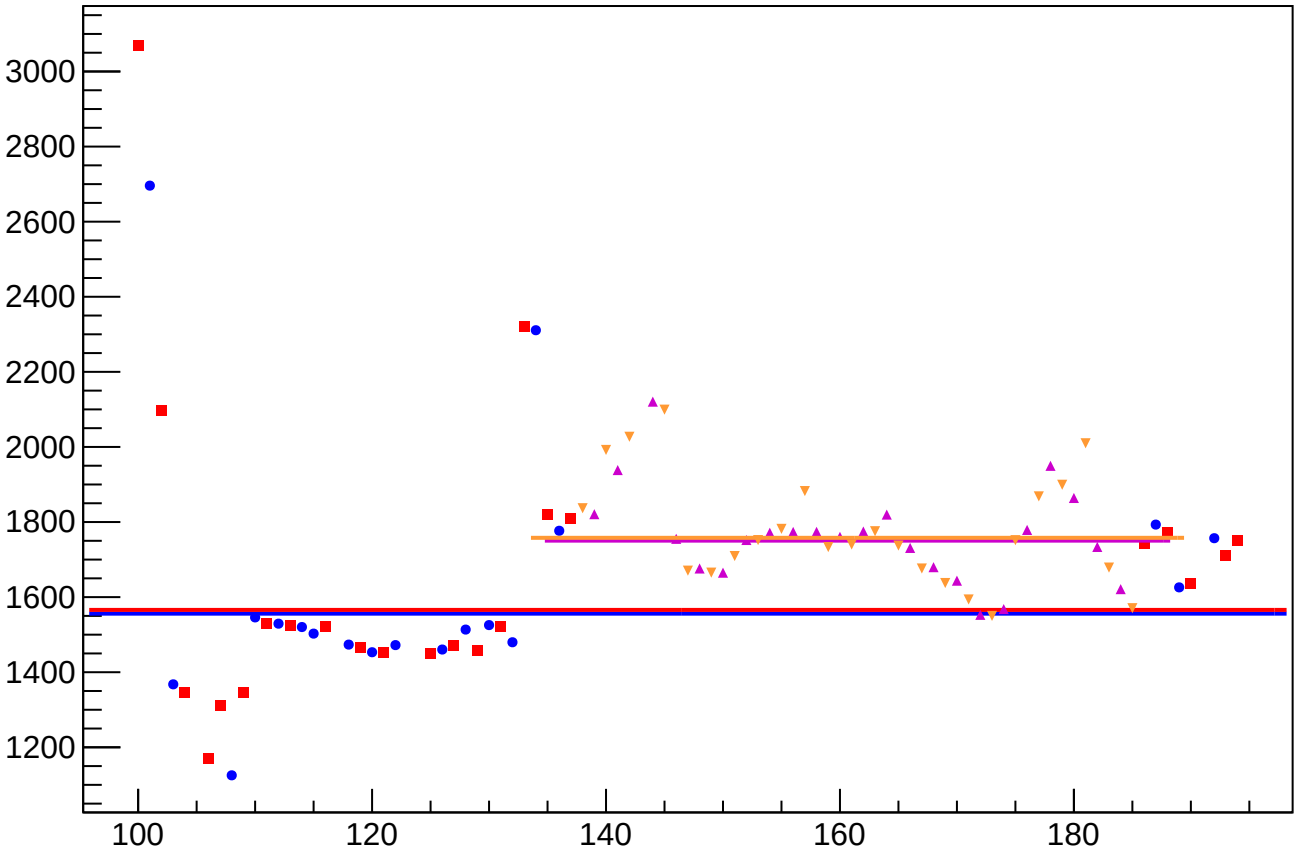
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -391.314+/-359.976 χ^2/NDF: 29.9/41

In: -787.947+/-324.206 χ^2/NDF:20.8/41

Out: 649.777+/-314.474 χ^2/NDF:76.9/46

All: -47.183+/-225.729 χ^2/NDF: 107.8/88



Right In: 1555.999+/-0.374 χ^2/NDF: 527858.0/18

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

Right Out: 1565.962+/-0.347 χ^2/NDF: 429347.6/22

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

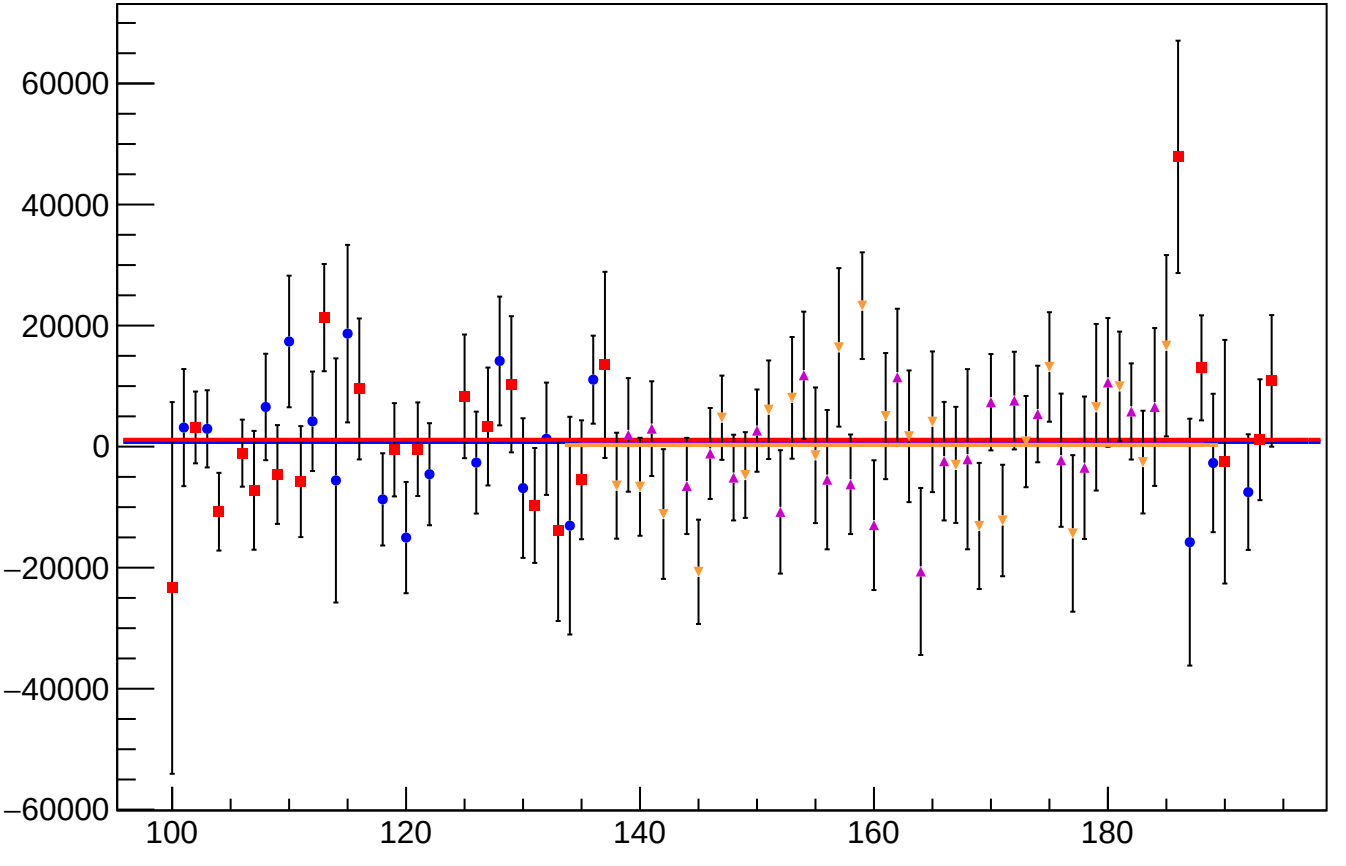
Right: 1561.359+/-0.255 χ^2/NDF: 957586.5/41

In: 1677.581+/-0.229 χ^2/NDF:868402.8/41

Out: 1679.129+/-0.222 χ^2/NDF:823104.9/46

All: 1678.379+/-0.160 χ^2/NDF: 1691531.2/88

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 773.479+/-2198.975 χ^2/NDF: 15.9/18

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

Right Out: 1134.847+/-1916.000 χ^2/NDF: 25.2/22

Left In: 382.663+/-1912.388 χ^2/NDF:13.6/22

Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

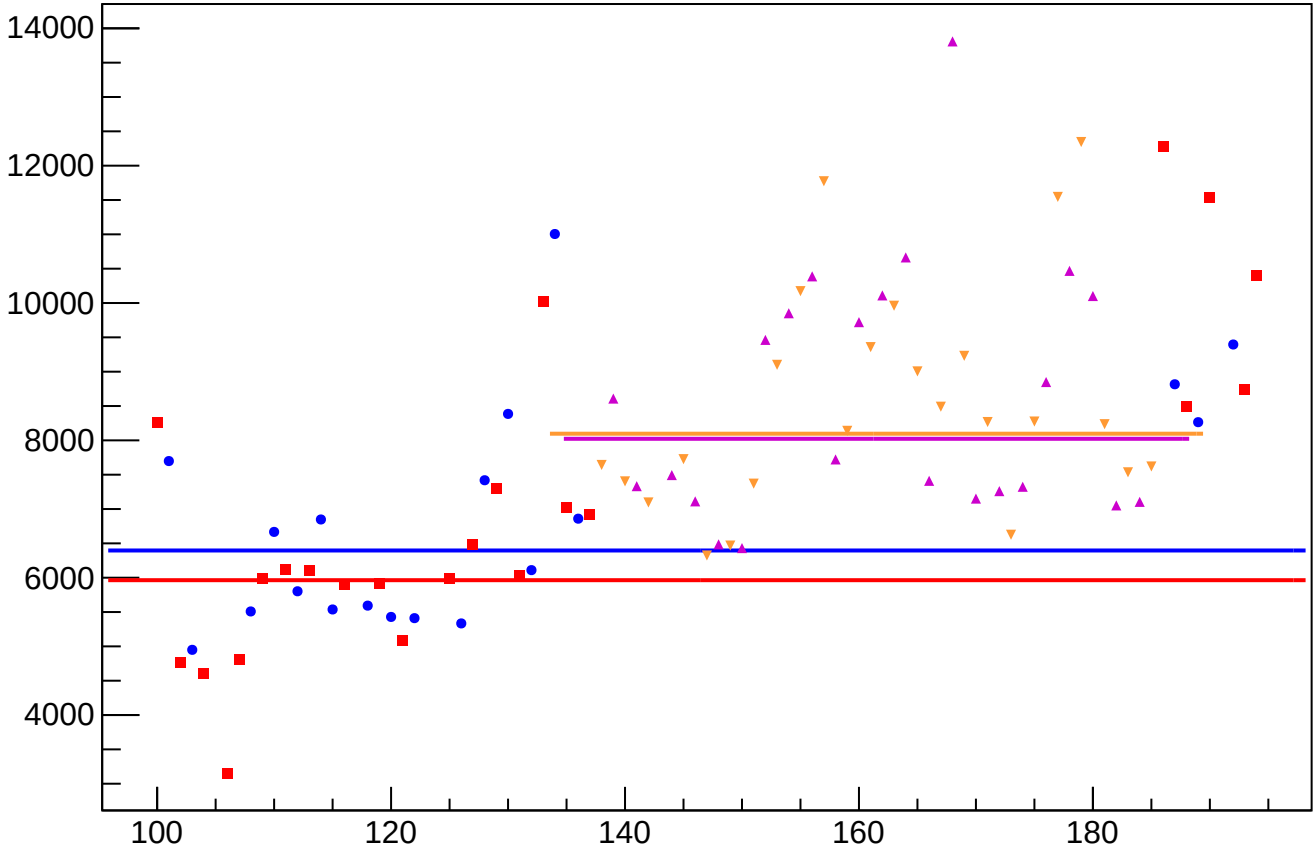
Right: 978.896+/-1444.572 χ^2/NDF: 41.1/41

In: 550.961+/-1443.022 χ^2/NDF:29.5/41

Out: 710.803+/-1356.277 χ^2/NDF:53.9/46

All: 635.831+/-988.277 χ^2/NDF: 83.5/88

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 6396.301+/-1.555 χ^2/NDF: 780791.2/18

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 5963.784+/-1.355 χ^2/NDF: 1991896.4/22

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

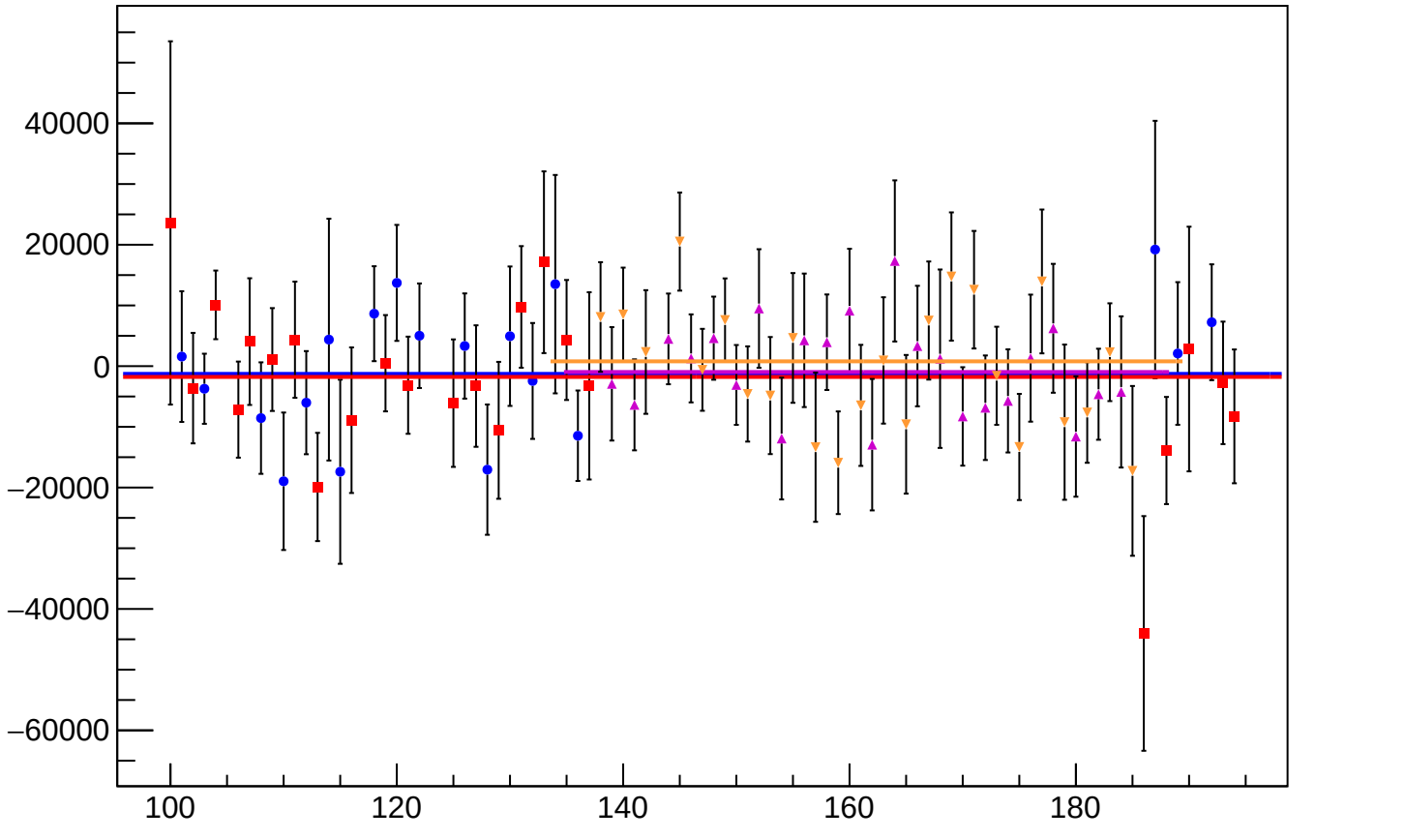
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 6150.439+/-1.021 χ^2/NDF: 2816670.5/41

In: 7322.344+/-1.020 χ^2/NDF:2629300.8/41

Out: 7028.008+/-0.959 χ^2/NDF:4316414.7/46

All: 7166.064+/-0.699 χ^2/NDF: 6989896.1/88



Right In: -1274.037+/-2225.595 χ^2/NDF: 16.5/18

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: -1775.571+/-2052.747 χ^2/NDF: 22.2/22

Left In: -963.967+/-1859.926 χ^2/NDF:12.8/22

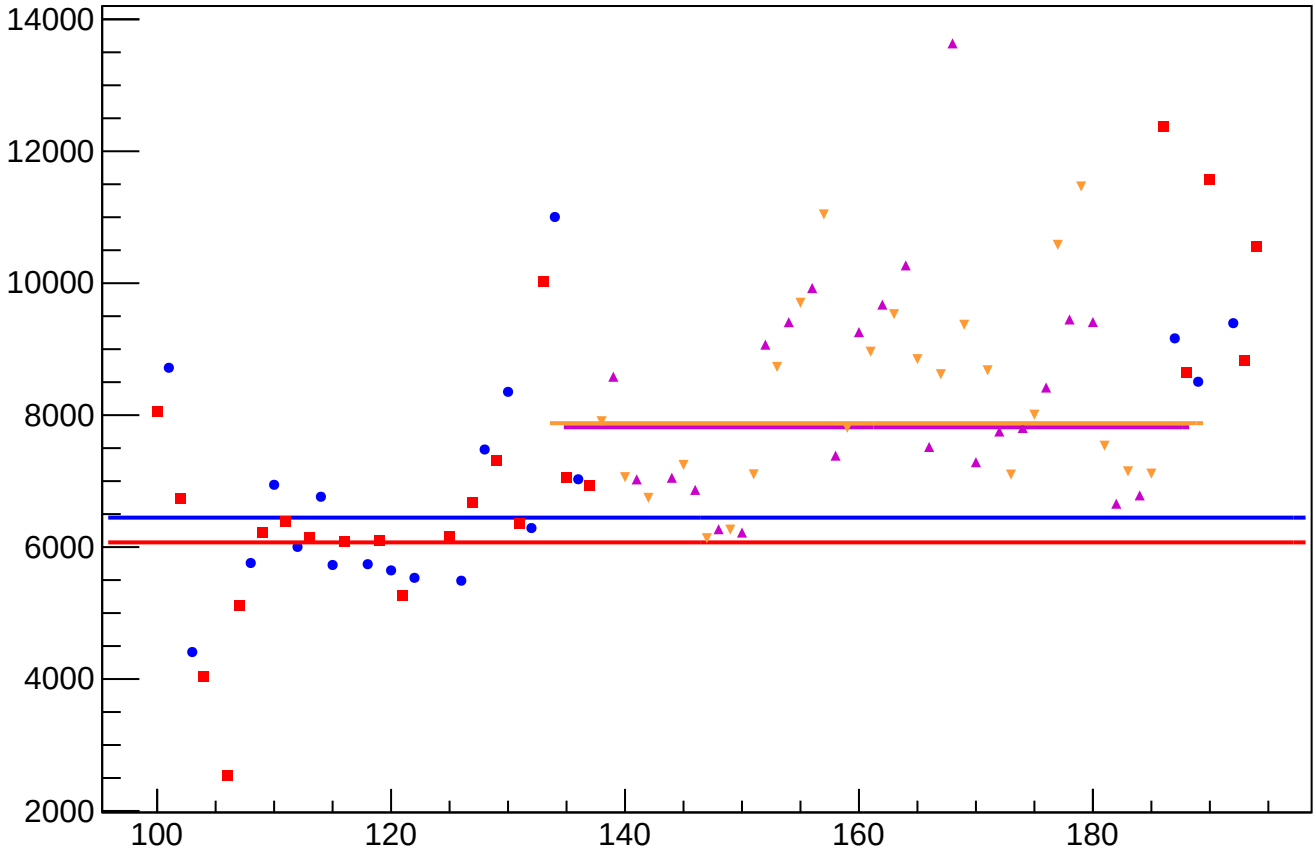
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

Right: -1545.033+/-1508.922 χ^2/NDF: 38.8/41

In: -1091.470+/-1427.173 χ^2/NDF:29.3/41

Out: -369.503+/-1380.413 χ^2/NDF:50.3/46

All: -718.465+/-992.218 χ^2/NDF: 79.8/88



Right In: 6446.626+/-1.574 χ^2/NDF: 940507.7/18

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

Right Out: 6071.367+/-1.407 χ^2/NDF: 2309351.0/22

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

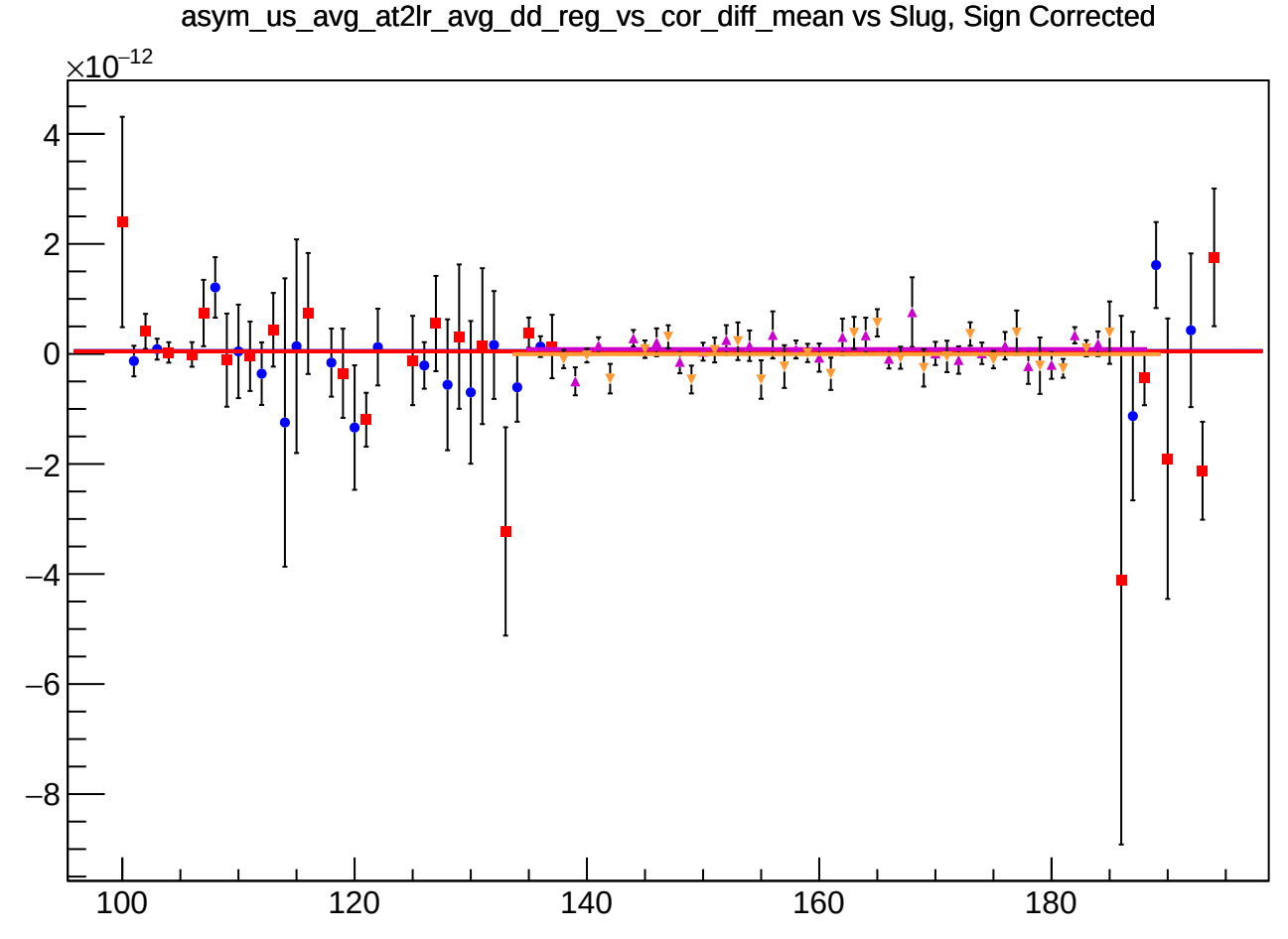
Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

Right: 6238.064+/-1.049 χ^2/NDF: 3281460.3/41

In: 7253.163+/-1.009 χ^2/NDF:2518974.2/41

Out: 7033.275+/-0.962 χ^2/NDF:4177561.1/46

All: 7137.983+/-0.696 χ^2/NDF: 6721404.1/88



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/22

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

Left: 0.000+/-0.000 χ^2/NDF: 50.1/46

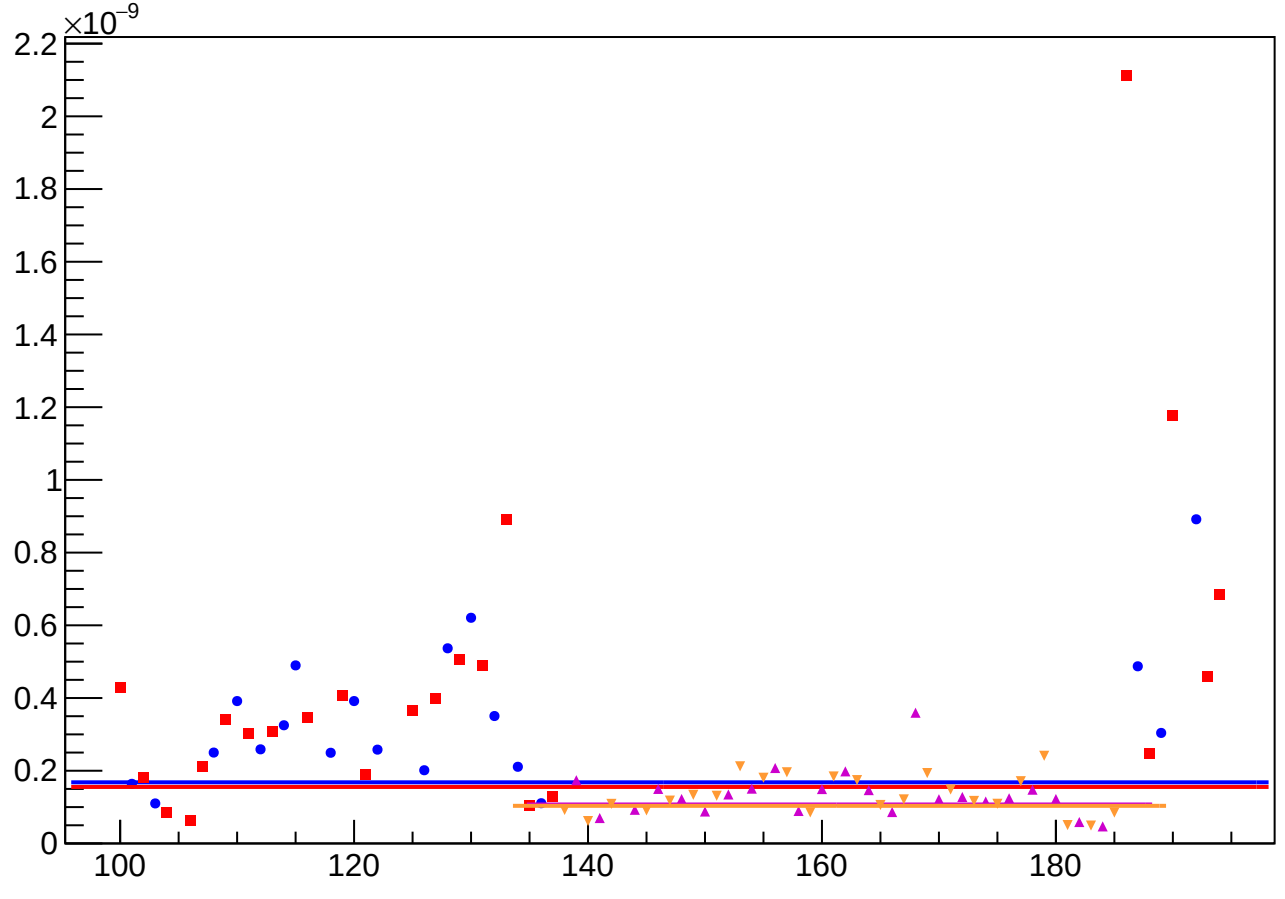
Right: 0.000+/-0.000 χ^2/NDF: 41.0/41

In: 0.000+/-0.000 χ^2/NDF:33.7/41

Out: 0.000+/-0.000 χ^2/NDF:55.6/46

All: 0.000+/-0.000 χ^2/NDF: 91.1/88

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2025123.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3515988.7/22

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

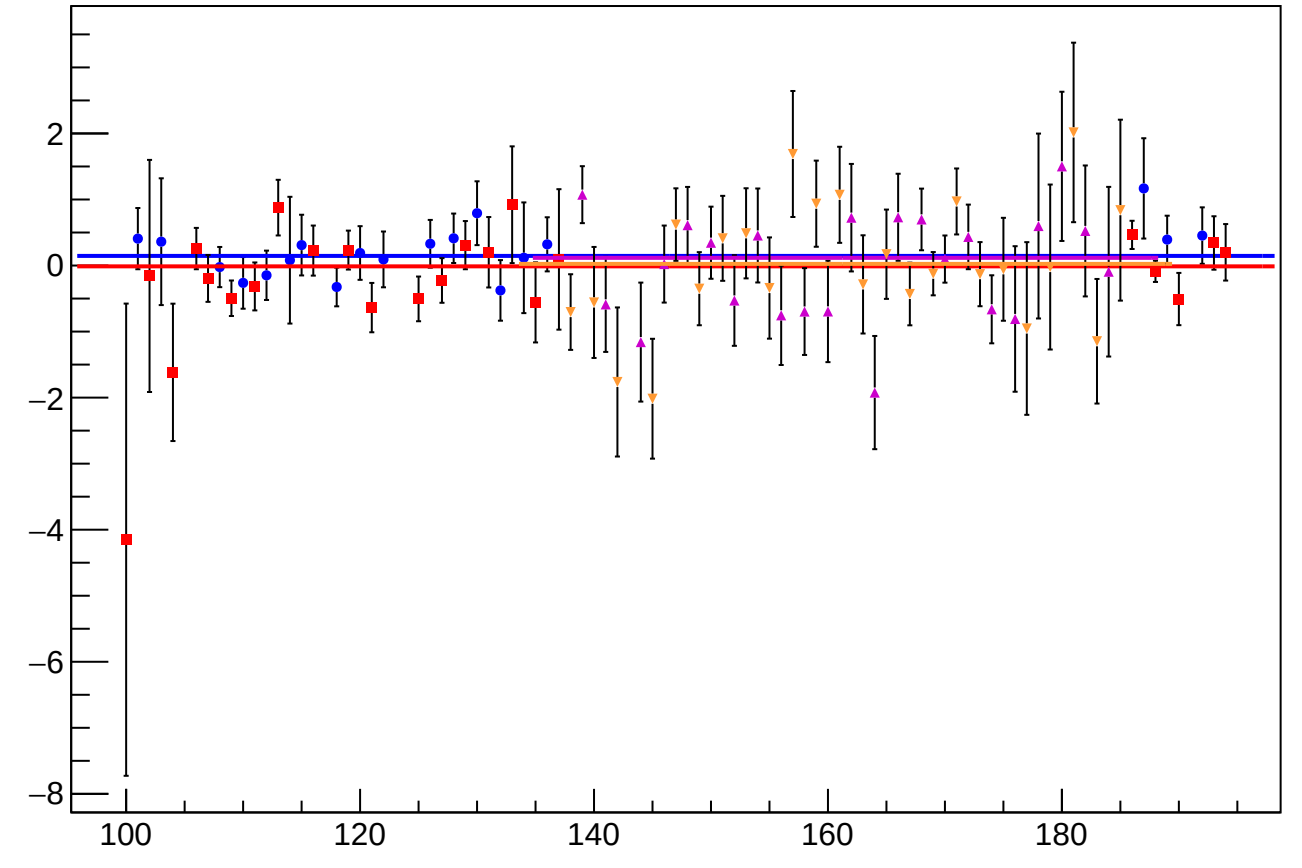
Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

Right: 0.000+/-0.000 χ^2/NDF: 5557049.9/41

In: 0.000+/-0.000 χ^2/NDF:4215713.0/41

Out: 0.000+/-0.000 χ^2/NDF:5876985.6/46

All: 0.000+/-0.000 χ^2/NDF: 10108160.2/88



Right In: 0.146+/-0.097 χ^2/NDF: 12.0/18

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.012+/-0.074 χ^2/NDF: 30.2/22

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

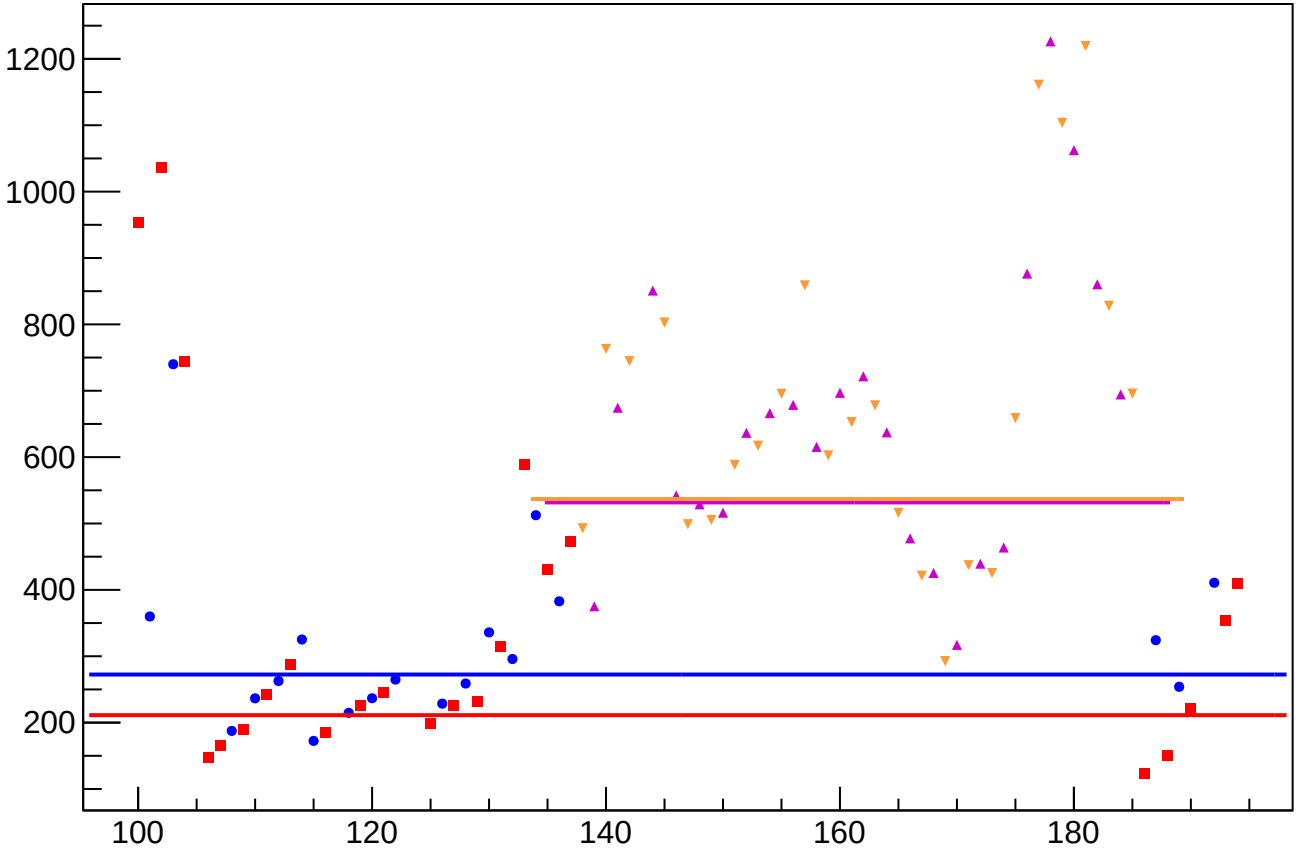
Right: 0.045+/-0.059 χ^2/NDF: 43.8/41

In: 0.136+/-0.078 χ^2/NDF:39.8/41

Out: -0.004+/-0.065 χ^2/NDF:59.3/46

All: 0.053+/-0.050 χ^2/NDF: 101.0/88

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 272.455+/-0.069 χ^2/NDF: 1518823.2/18

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 211.233+/-0.052 χ^2/NDF: 3434139.2/22

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

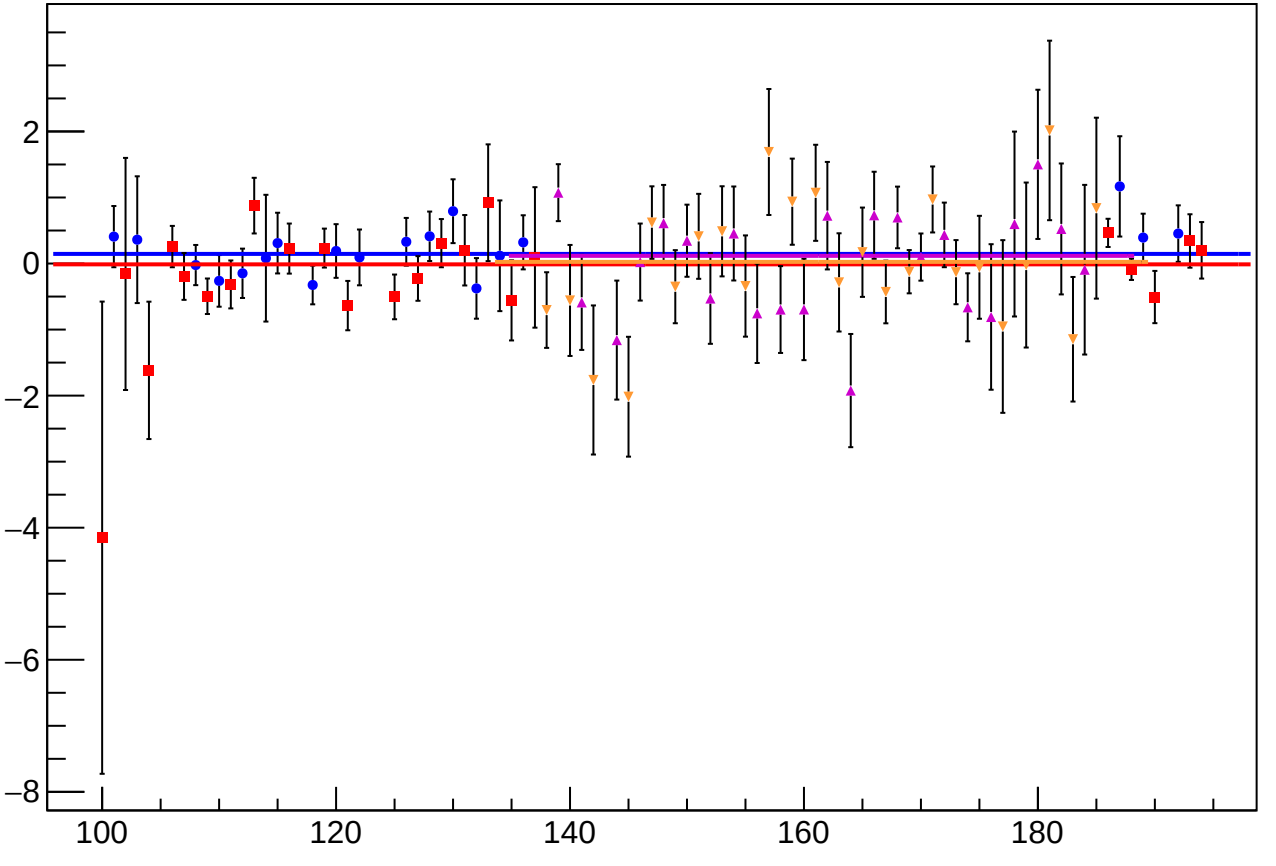
Right: 233.538+/-0.042 χ^2/NDF: 5455269.4/41

In: 363.457+/-0.055 χ^2/NDF:9874927.2/41

Out: 286.934+/-0.046 χ^2/NDF:16463573.0/46

All: 317.845+/-0.035 χ^2/NDF: 27472175.6/88

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.146+/-0.097 χ^2/NDF: 12.0/18

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.012+/-0.074 χ^2/NDF: 30.2/22

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

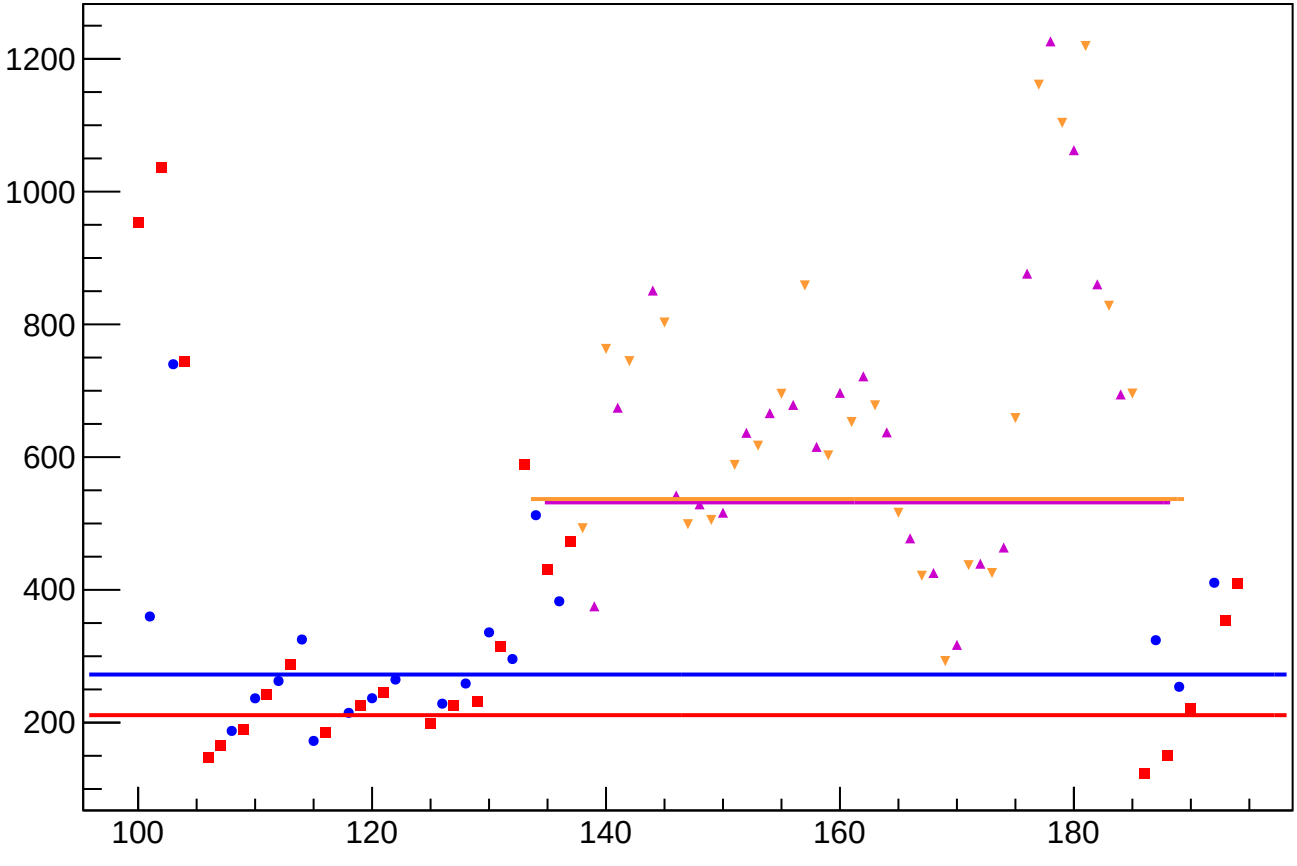
Right: 0.045+/-0.059 χ^2/NDF: 43.8/41

In: 0.136+/-0.078 χ^2/NDF:39.8/41

Out: -0.004+/-0.065 χ^2/NDF:59.3/46

All: 0.053+/-0.050 χ^2/NDF: 101.0/88

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 272.455+/-0.069 χ^2/NDF: 1518823.2/18

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 211.233+/-0.052 χ^2/NDF: 3434139.2/22

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

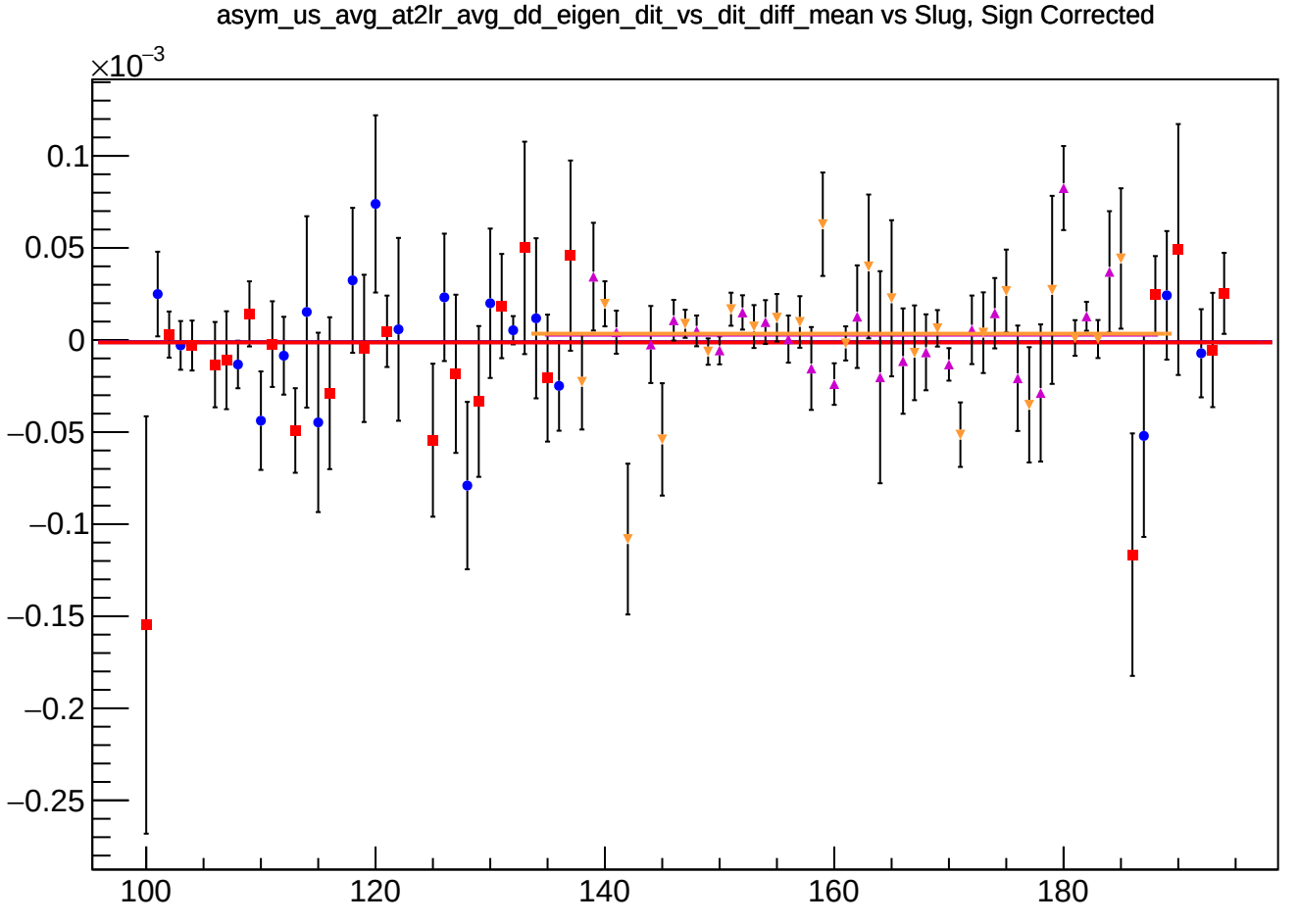
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 233.538+/-0.042 χ^2/NDF: 5455269.4/41

In: 363.457+/-0.055 χ^2/NDF:9874927.2/41

Out: 286.934+/-0.046 χ^2/NDF:16463573.0/46

All: 317.845+/-0.035 χ^2/NDF: 27472175.6/88



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/22

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

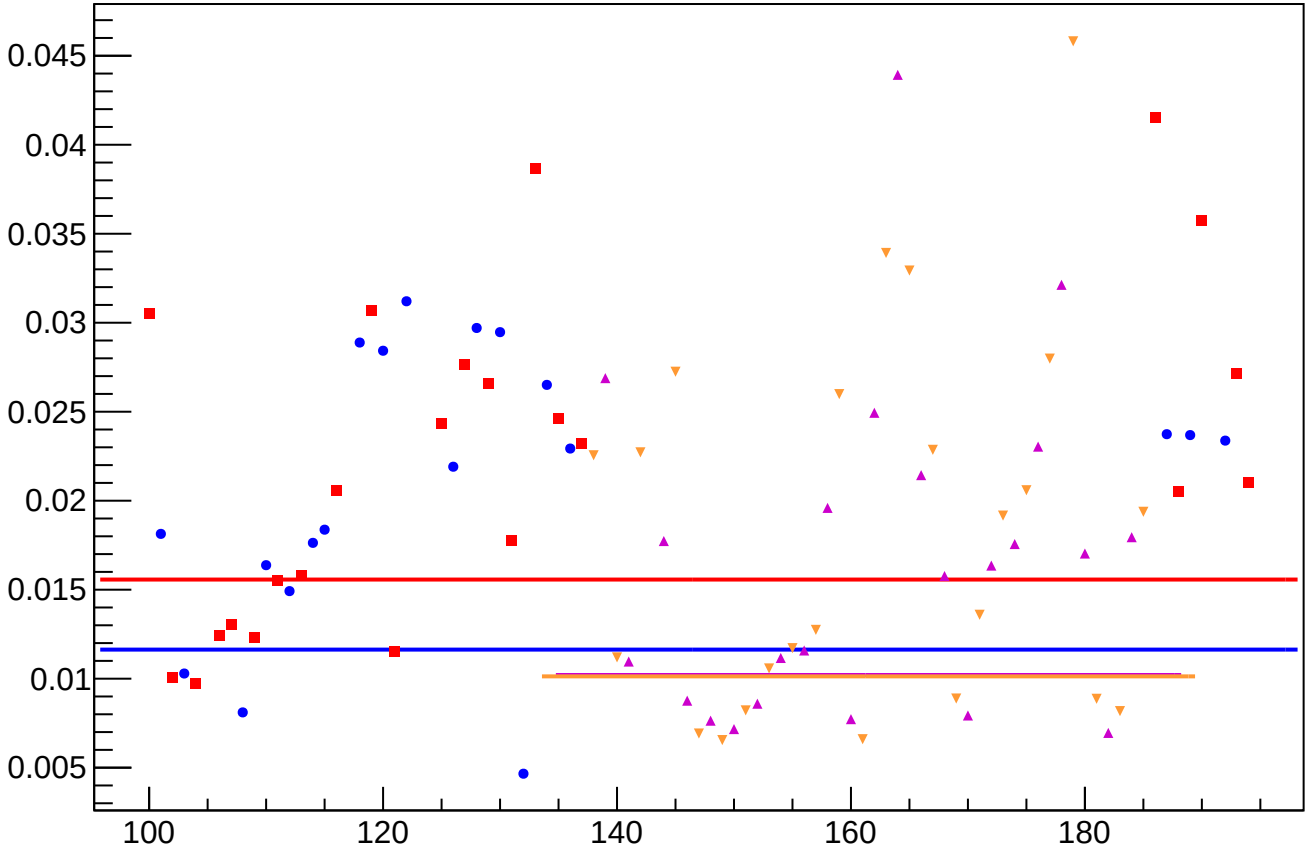
Right: -0.000+/-0.000 χ^2/NDF: 35.3/41

In: 0.000+/-0.000 χ^2/NDF:48.6/41

Out: 0.000+/-0.000 χ^2/NDF:59.2/46

All: 0.000+/-0.000 χ^2/NDF: 107.7/88

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: 5455534.8/18

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.016+/-0.000 χ^2/NDF: 3218695.6/22

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

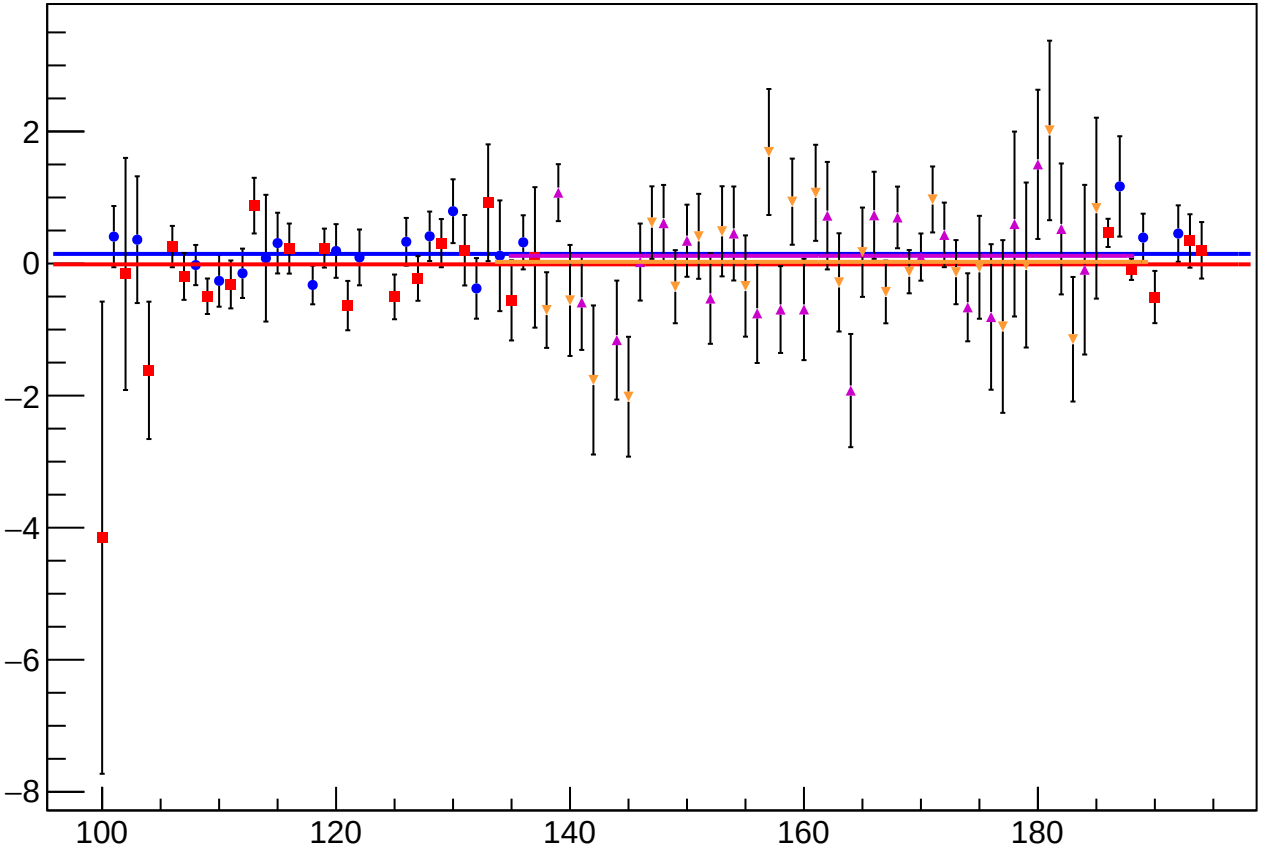
Right: 0.013+/-0.000 χ^2/NDF: 9287331.3/41

In: 0.011+/-0.000 χ^2/NDF:11664094.4/41

Out: 0.011+/-0.000 χ^2/NDF:12717337.7/46

All: 0.011+/-0.000 χ^2/NDF: 24473174.6/88

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.146+/-0.097 χ^2/NDF: 12.0/18

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.012+/-0.074 χ^2/NDF: 30.2/22

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

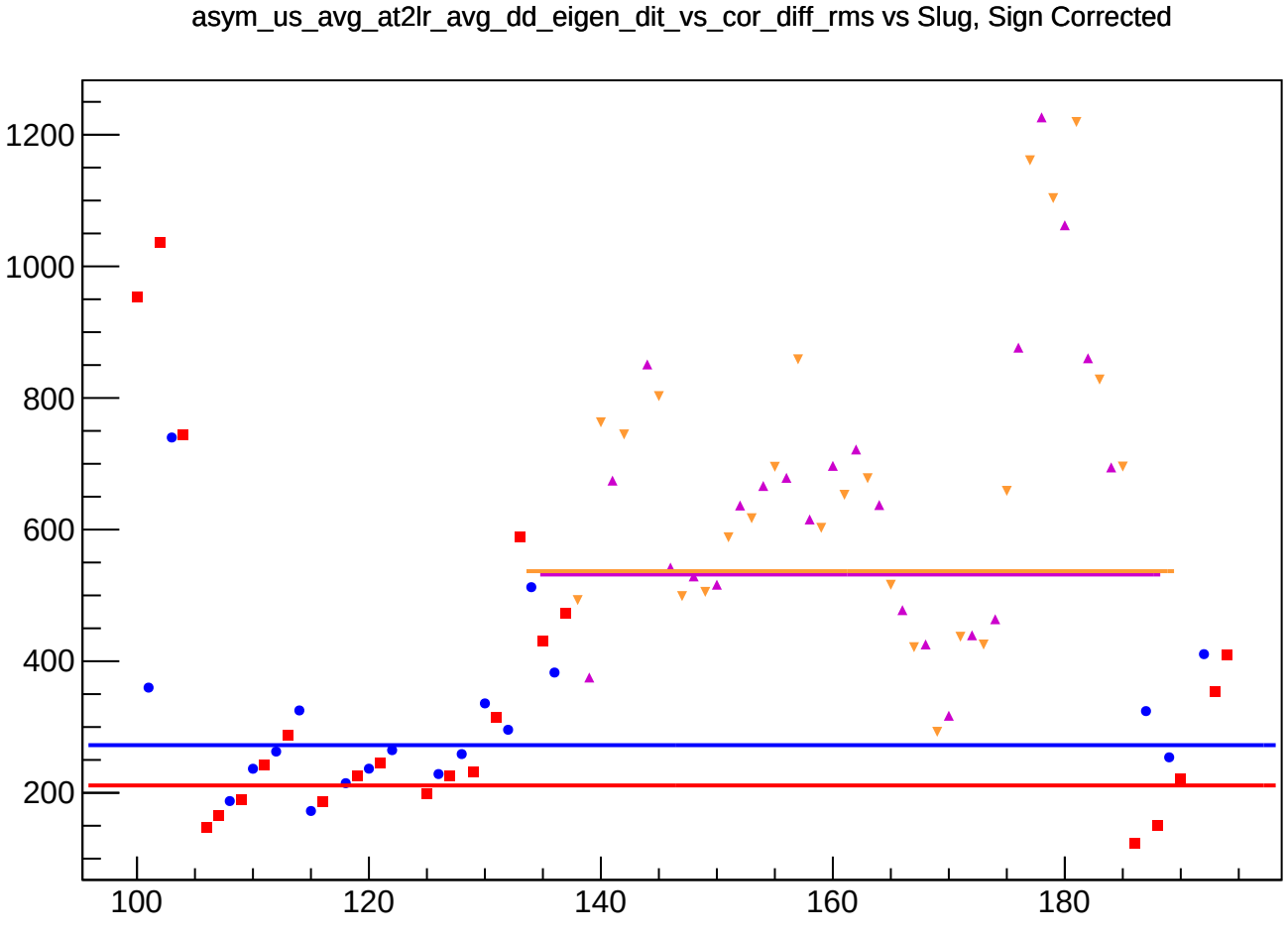
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: 0.045+/-0.059 χ^2/NDF: 43.8/41

In: 0.136+/-0.078 χ^2/NDF:39.8/41

Out: -0.004+/-0.065 χ^2/NDF:59.3/46

All: 0.053+/-0.050 χ^2/NDF: 101.0/88



Right In: 272.454+/-0.069 χ^2/NDF: 1518795.5/18

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 211.230+/-0.052 χ^2/NDF: 3434229.9/22

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

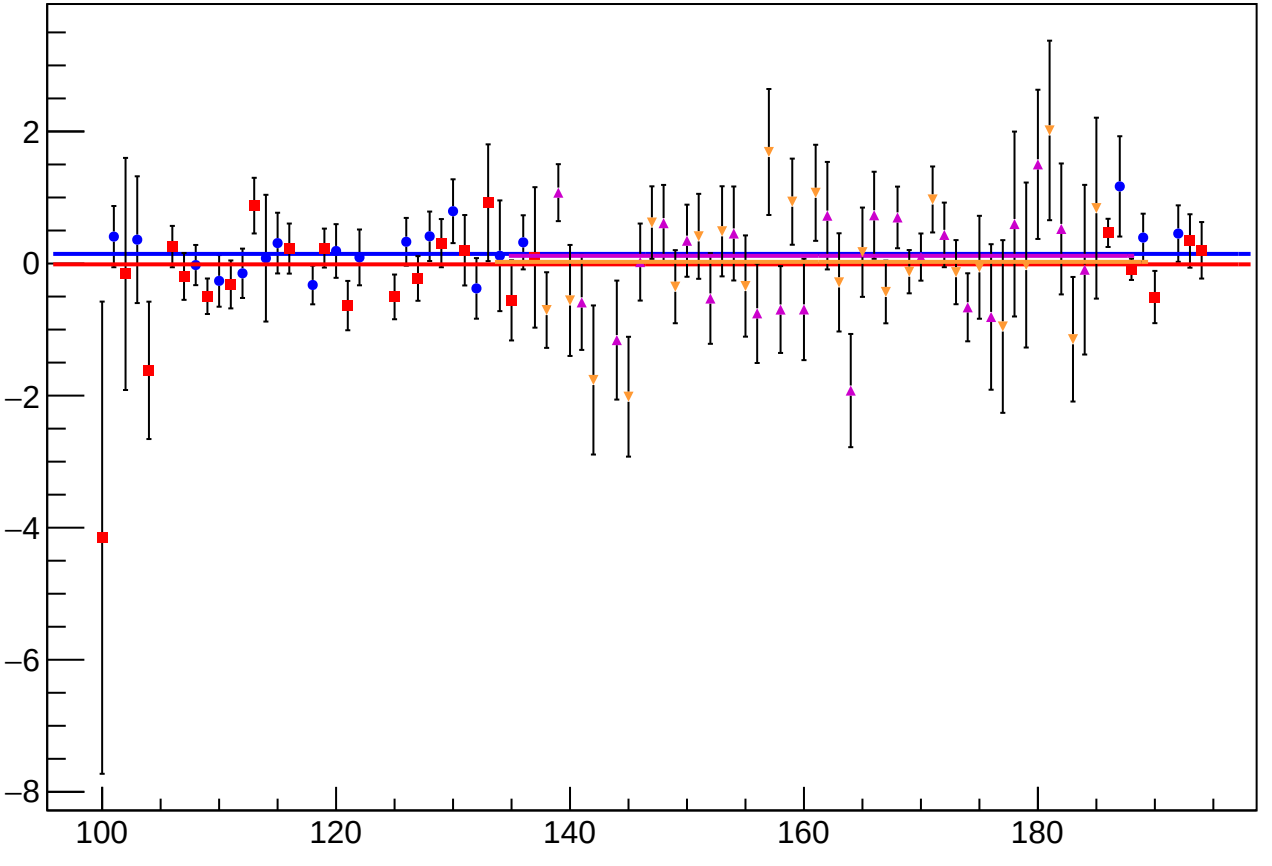
Right: 233.536+/-0.042 χ^2/NDF: 5455350.3/41

In: 363.455+/-0.055 χ^2/NDF:9875155.4/41

Out: 286.930+/-0.046 χ^2/NDF:16463997.1/46

All: 317.842+/-0.035 χ^2/NDF: 27472879.8/88

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.146+/-0.097 χ^2/NDF: 12.0/18

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.012+/-0.074 χ^2/NDF: 30.2/22

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

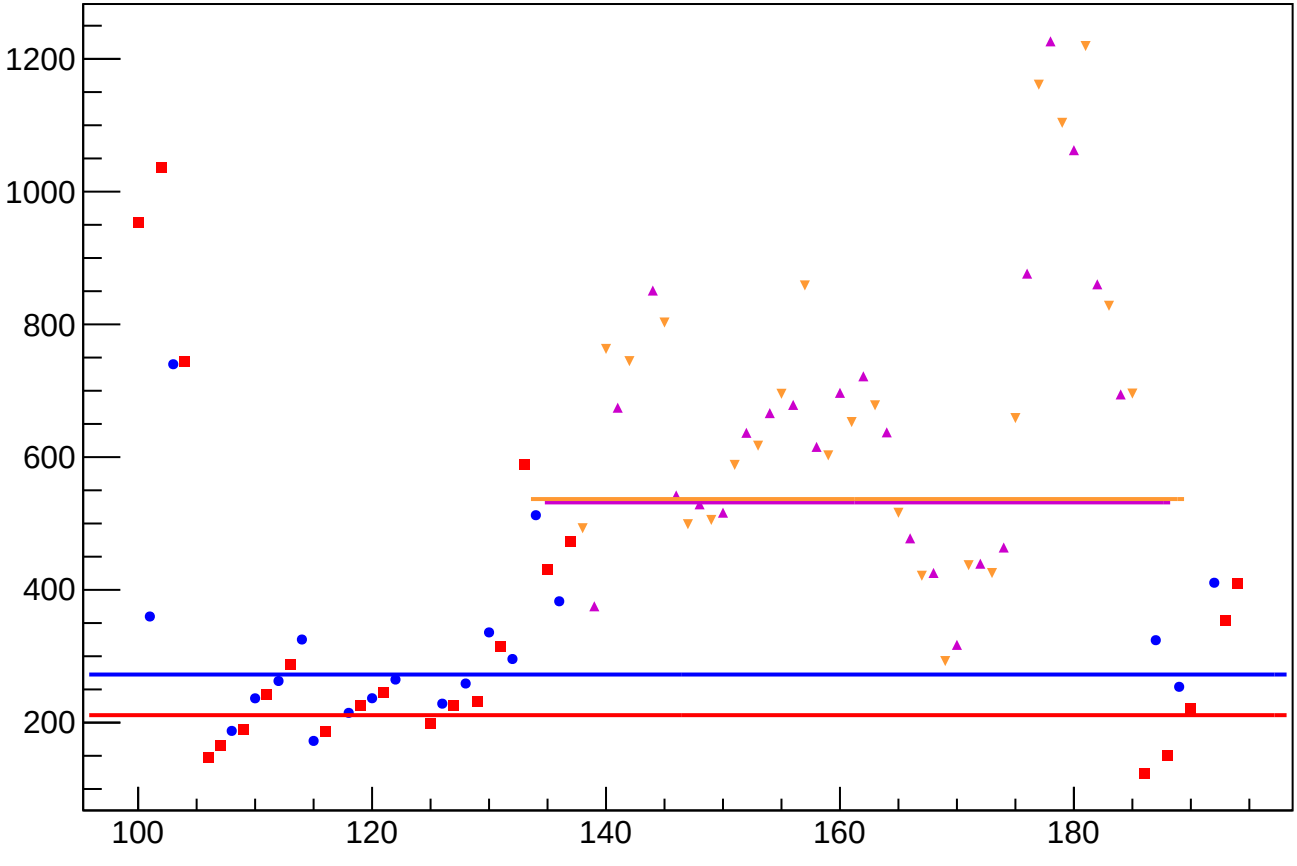
Right: 0.045+/-0.059 χ^2/NDF: 43.8/41

In: 0.136+/-0.078 χ^2/NDF:39.8/41

Out: -0.004+/-0.065 χ^2/NDF:59.3/46

All: 0.053+/-0.050 χ^2/NDF: 101.0/88

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 272.454+/-0.069 χ^2/NDF: 1518795.5/18

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 211.230+/-0.052 χ^2/NDF: 3434229.9/22

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

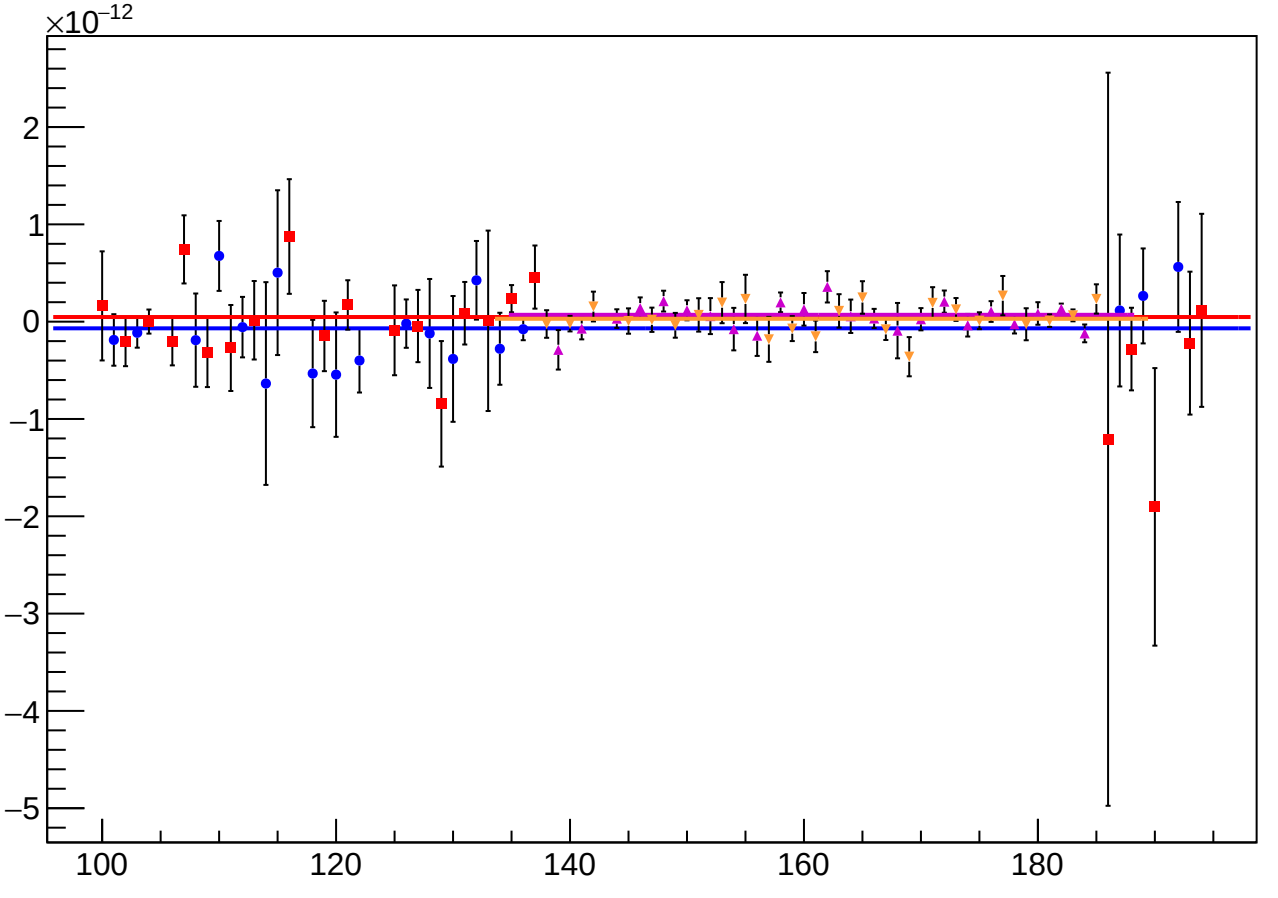
Right: 233.536+/-0.042 χ^2/NDF: 5455350.3/41

In: 363.455+/-0.055 χ^2/NDF:9875155.4/41

Out: 286.930+/-0.046 χ^2/NDF:16463997.1/46

All: 317.842+/-0.035 χ^2/NDF: 27472879.8/88

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 11.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/22

Left In: 0.000+/-0.000 χ^2/NDF:23.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.6/46

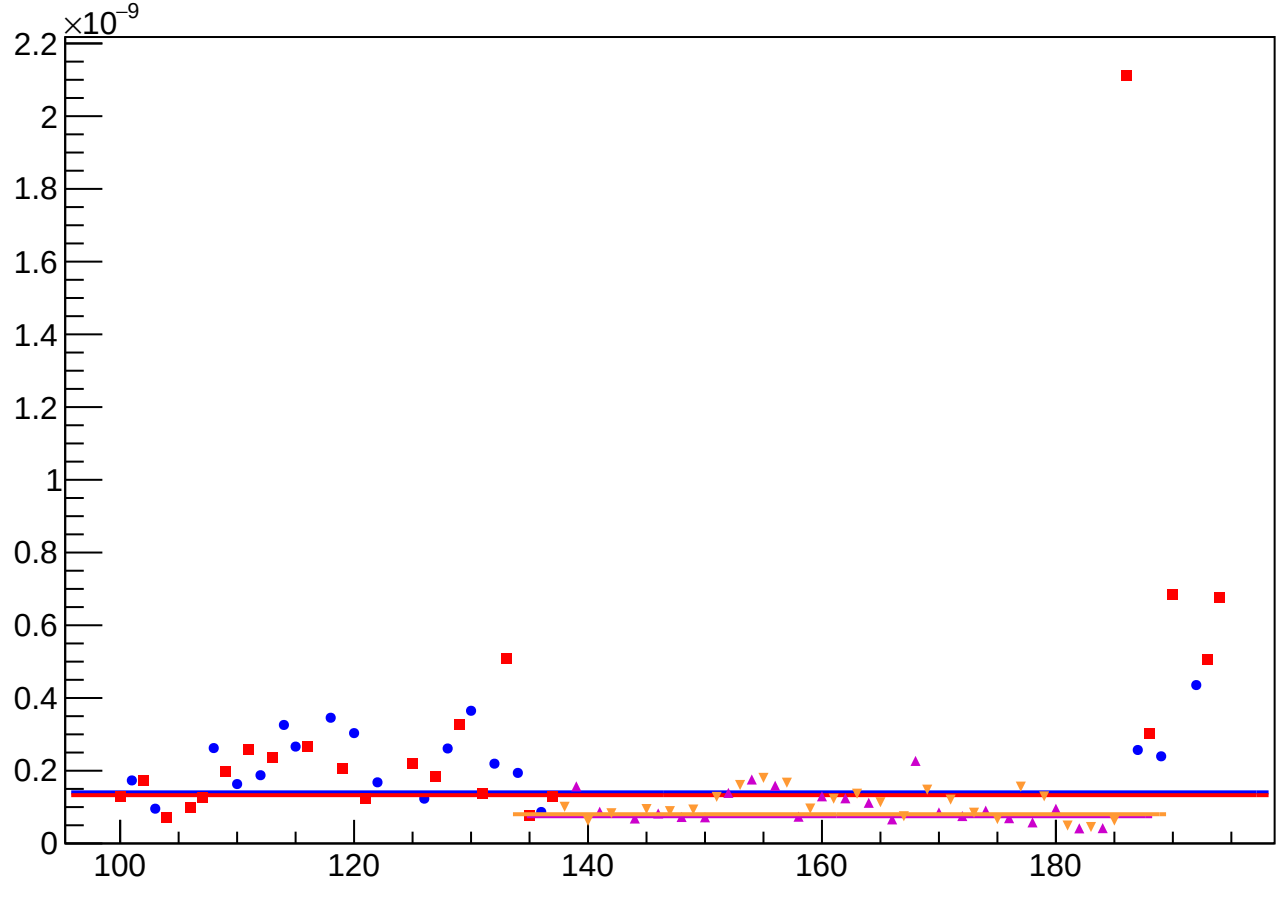
Right: -0.000+/-0.000 χ^2/NDF: 31.3/41

In: 0.000+/-0.000 χ^2/NDF:38.4/41

Out: 0.000+/-0.000 χ^2/NDF:36.3/46

All: 0.000+/-0.000 χ^2/NDF: 75.2/88

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2348447.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4342221.0/22

Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

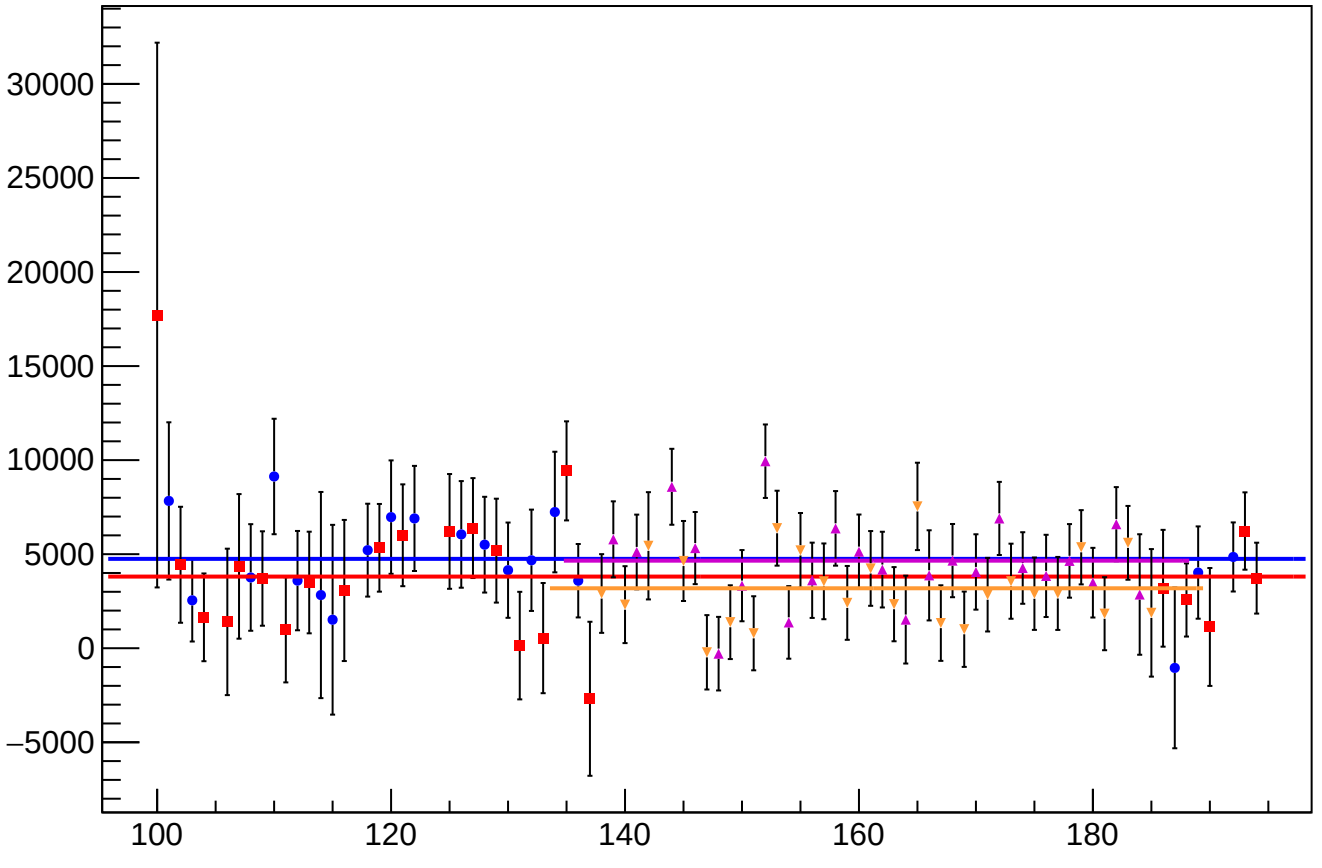
Left: 0.000+/-0.000 χ^2/NDF: 7451186.8/46

Right: 0.000+/-0.000 χ^2/NDF: 6704419.3/41

In: 0.000+/-0.000 χ^2/NDF:7693028.7/41

Out: 0.000+/-0.000 χ^2/NDF:9266632.7/46

All: 0.000+/-0.000 χ^2/NDF: 17017347.7/88



Right In: 4750.735+/-624.458 χ^2/NDF: 8.9/18

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: 3808.976+/-572.245 χ^2/NDF: 18.7/22

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

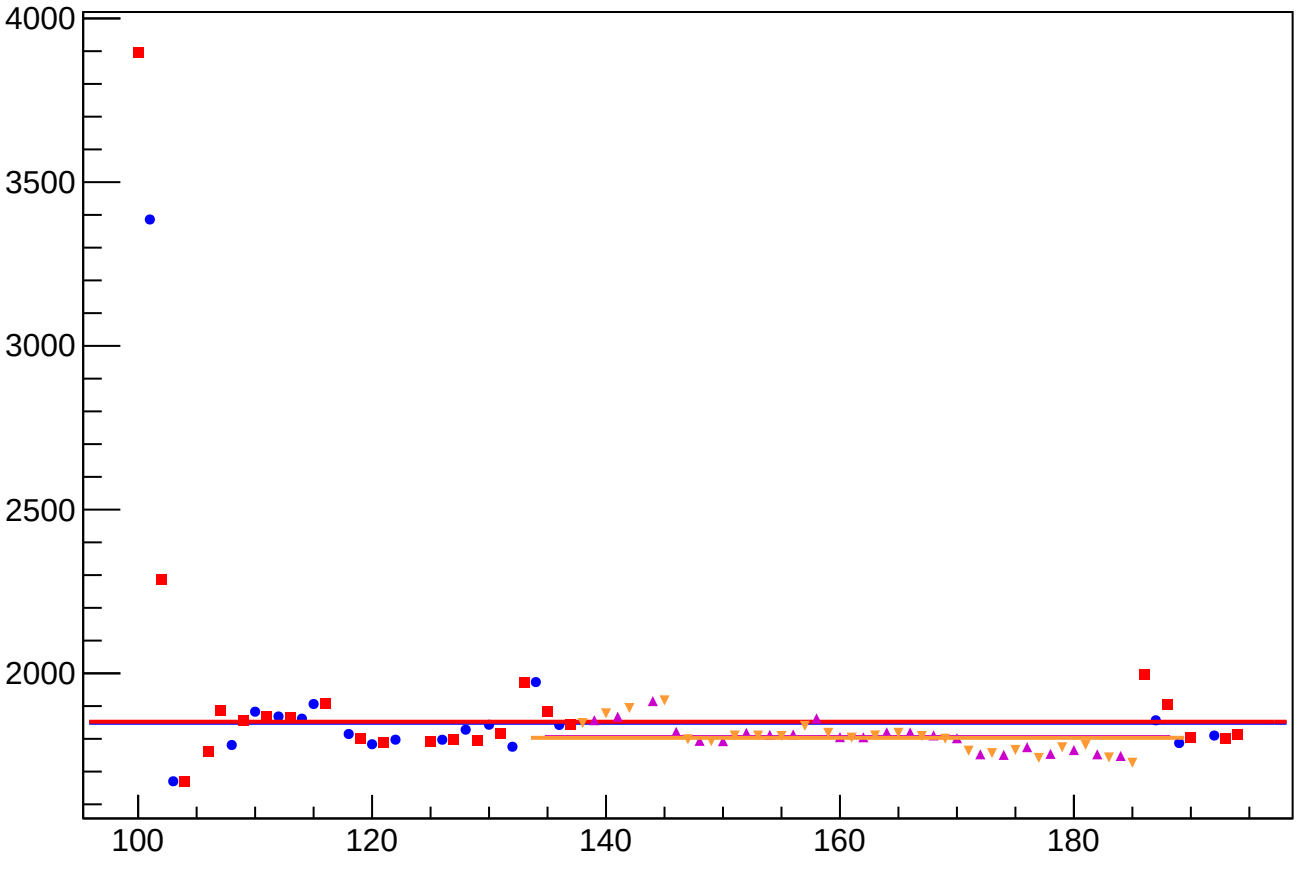
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4238.845+/-421.892 χ^2/NDF: 28.8/41

In: 4685.125+/-349.471 χ^2/NDF:36.6/41

Out: 3403.900+/-337.865 χ^2/NDF:39.4/46

All: 4022.885+/-242.906 χ^2/NDF: 82.9/88



Right In: 1849.037+/-0.442 χ^2/NDF: 294965.6/18

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1852.235+/-0.404 χ^2/NDF: 110590.4/22

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

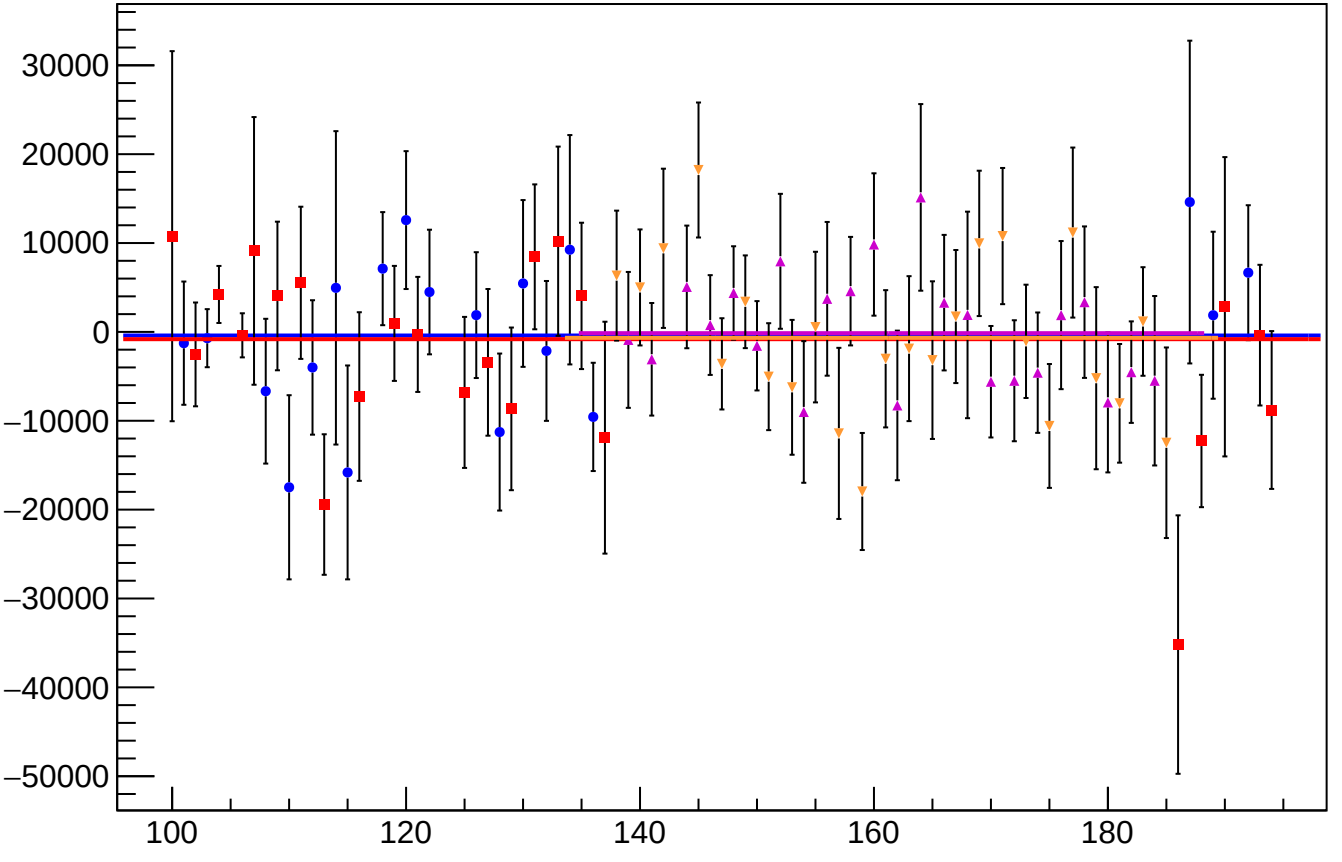
Right: 1850.778+/-0.298 χ^2/NDF: 405584.6/41

In: 1819.176+/-0.247 χ^2/NDF:320939.2/41

Out: 1820.284+/-0.239 χ^2/NDF:140856.5/46

All: 1819.749+/-0.172 χ^2/NDF: 461806.1/88

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -406.666+/-1683.110 χ^2/NDF: 16.5/18

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

Right Out: -819.862+/-1363.136 χ^2/NDF: 23.9/22

Left In: -143.435+/-1471.371 χ^2/NDF:13.6/22

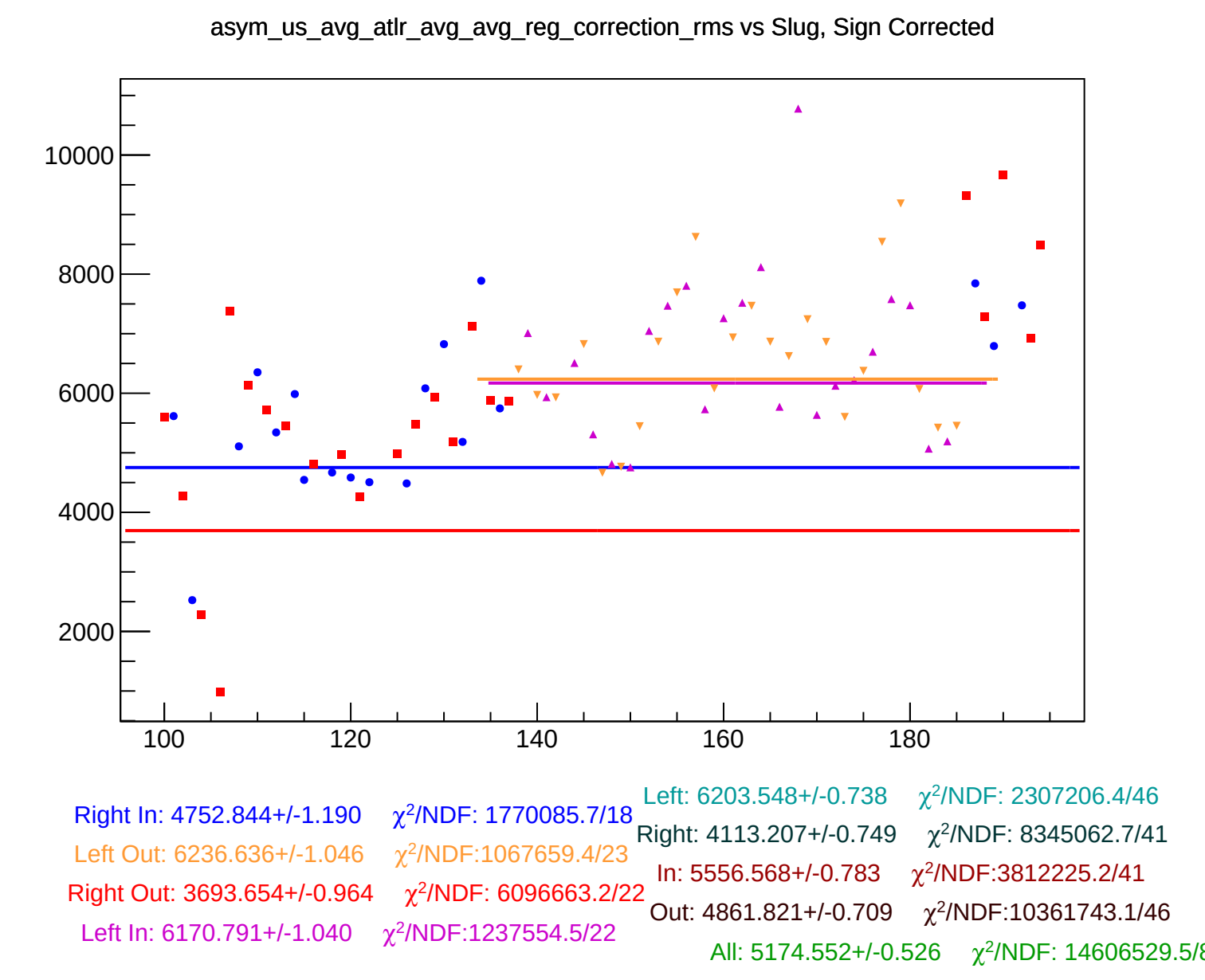
Left: -404.020+/-1043.032 χ^2/NDF: 43.4/46

Right: -656.192+/-1059.300 χ^2/NDF: 40.4/41

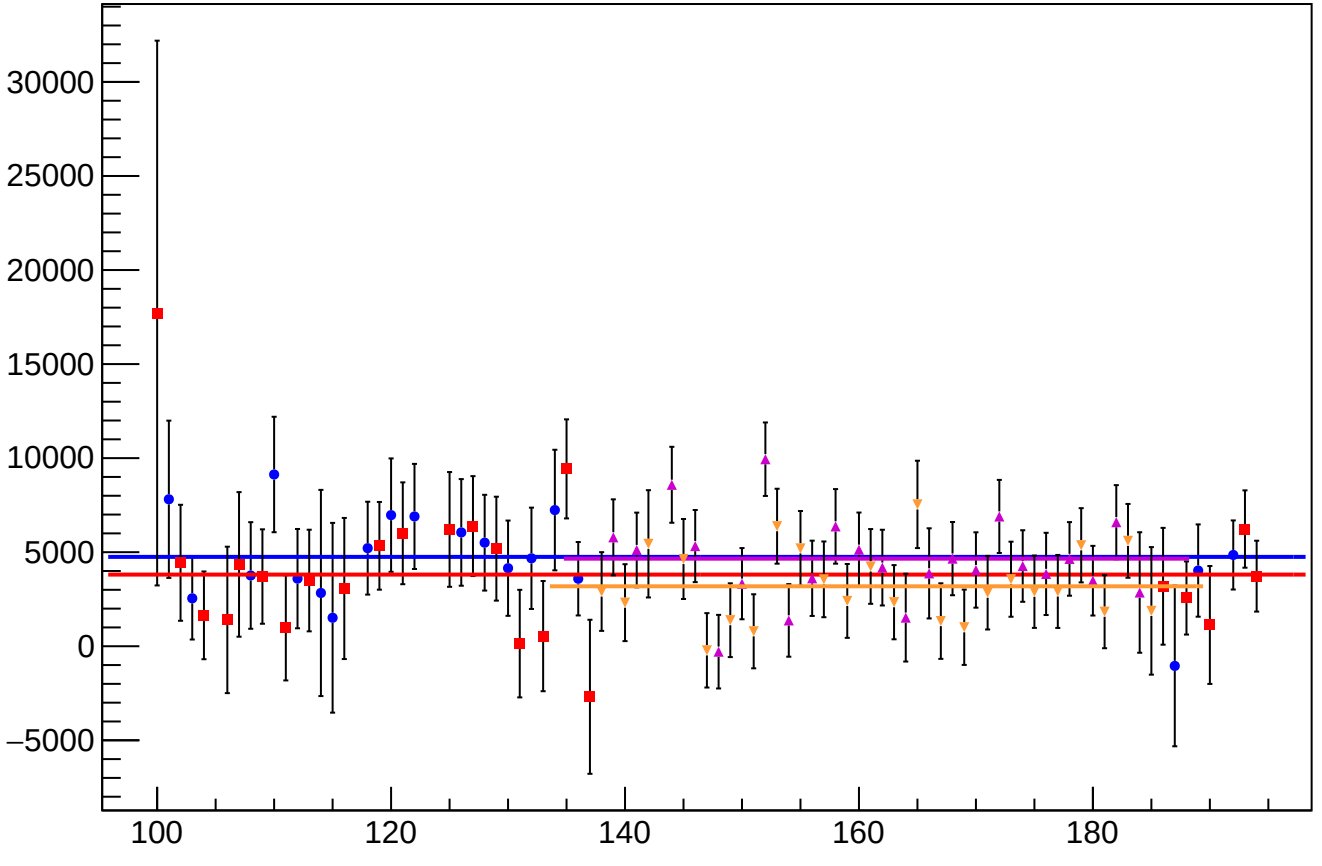
In: -257.461+/-1107.760 χ^2/NDF:30.0/41

Out: -749.754+/-1002.282 χ^2/NDF:53.6/46

All: -528.155+/-743.220 χ^2/NDF: 83.8/88


asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
Right In: 4752.844+/-1.190 χ²/NDF: 1770085.7/18
Left Out: 6236.636+/-1.046 χ²/NDF:1067659.4/23
Right Out: 3693.654+/-0.964 χ²/NDF: 6096663.2/22
Left In: 6170.791+/-1.040 χ²/NDF:1237554.5/22
Left: 6203.548+/-0.738 χ²/NDF: 2307206.4/46
Right: 4113.207+/-0.749 χ²/NDF: 8345062.7/41
In: 5556.568+/-0.783 χ²/NDF:3812225.2/41
Out: 4861.821+/-0.709 χ²/NDF:10361743.1/46
All: 5174.552+/-0.526 χ²/NDF: 14606529.5/8

cor_asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4750.385+/-624.458 χ^2/NDF: 8.8/18

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3808.804+/-572.245 χ^2/NDF: 18.7/22

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

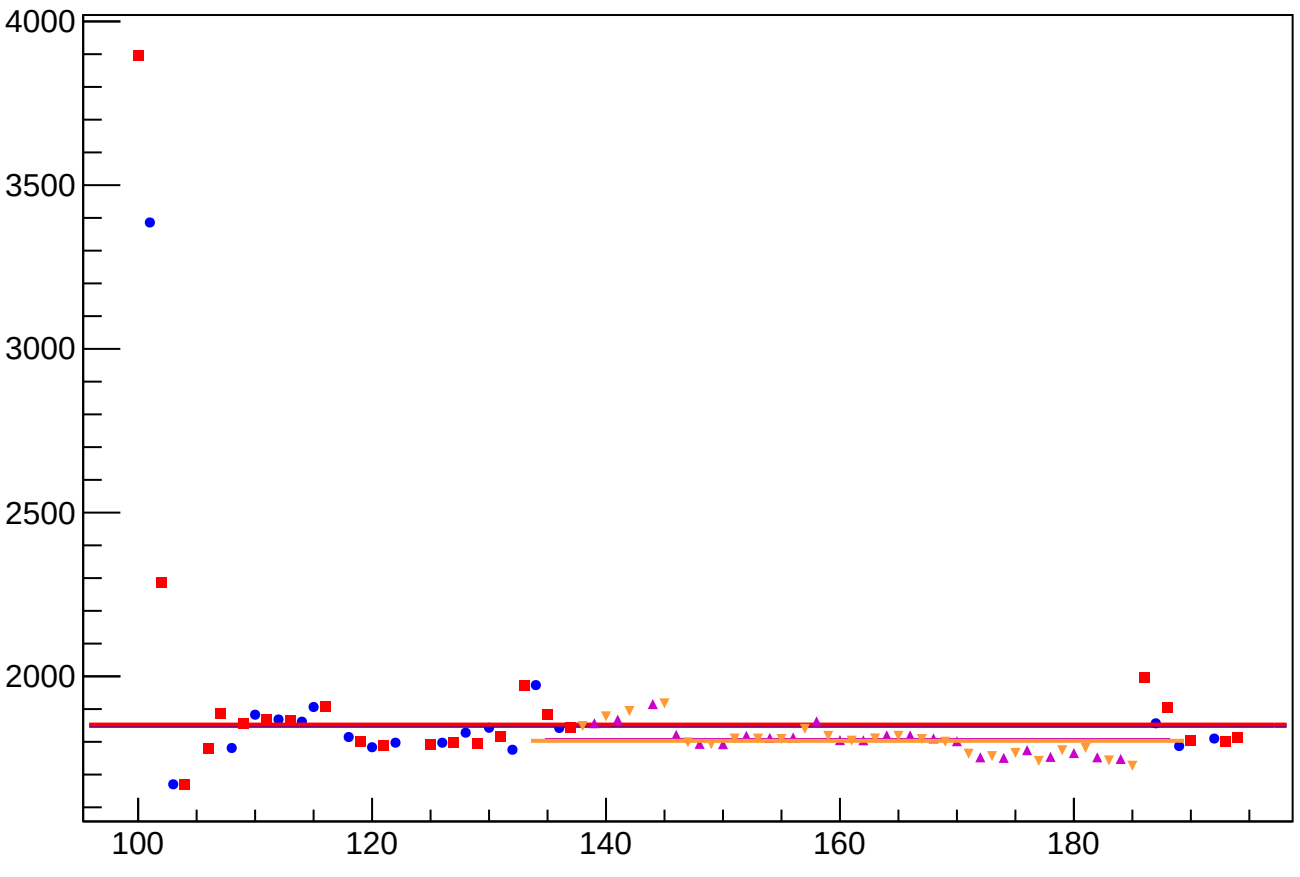
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4238.591+/-421.892 χ^2/NDF: 28.8/41

In: 4685.028+/-349.471 χ^2/NDF:36.6/41

Out: 3403.795+/-337.865 χ^2/NDF:39.4/46

All: 4022.784+/-242.906 χ^2/NDF: 82.9/88



Right In: 1849.037+/-0.442 χ^2/NDF: 294967.5/18

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1852.713+/-0.404 χ^2/NDF: 110128.1/22

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

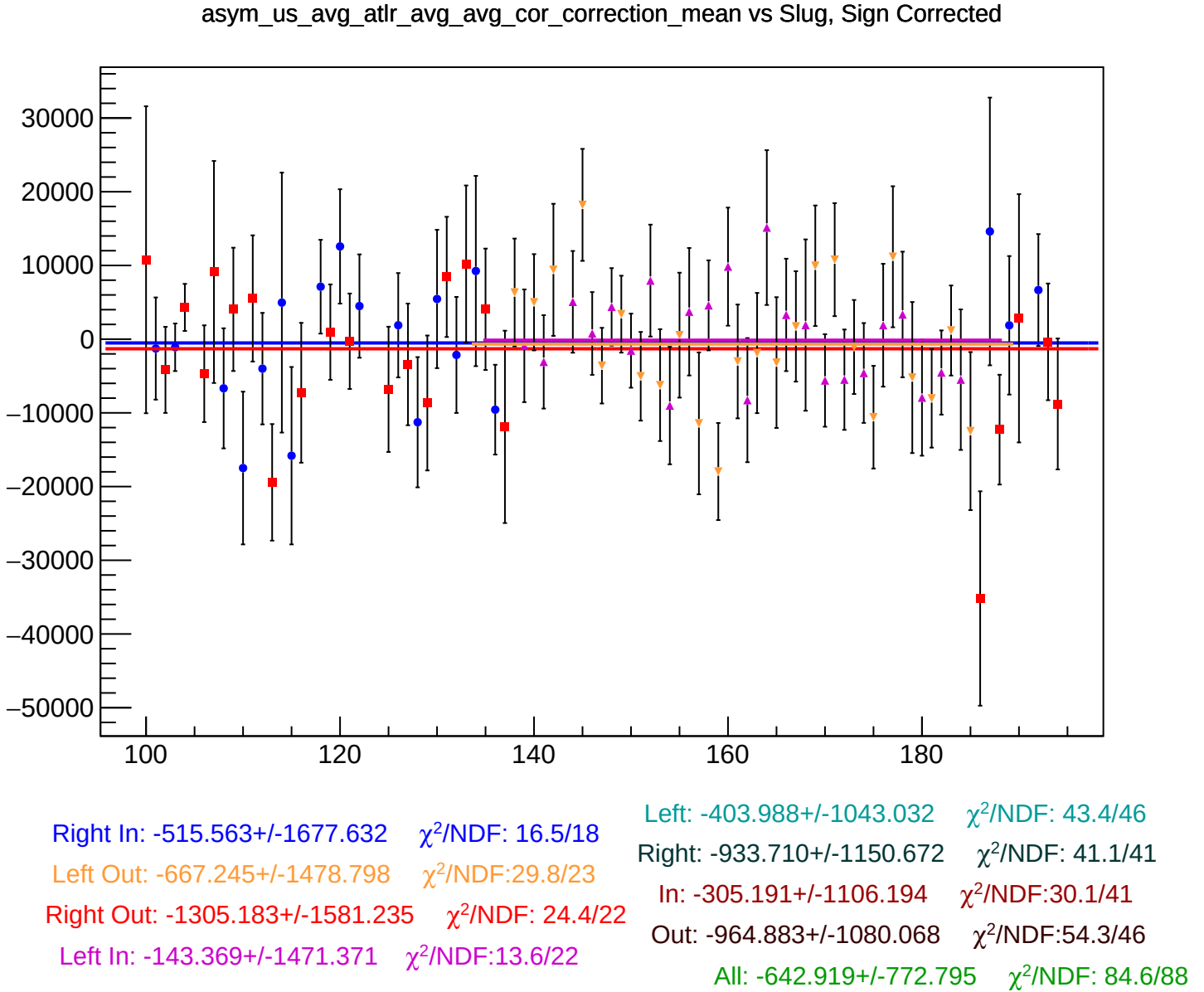
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1851.038+/-0.298 χ^2/NDF: 405133.4/41

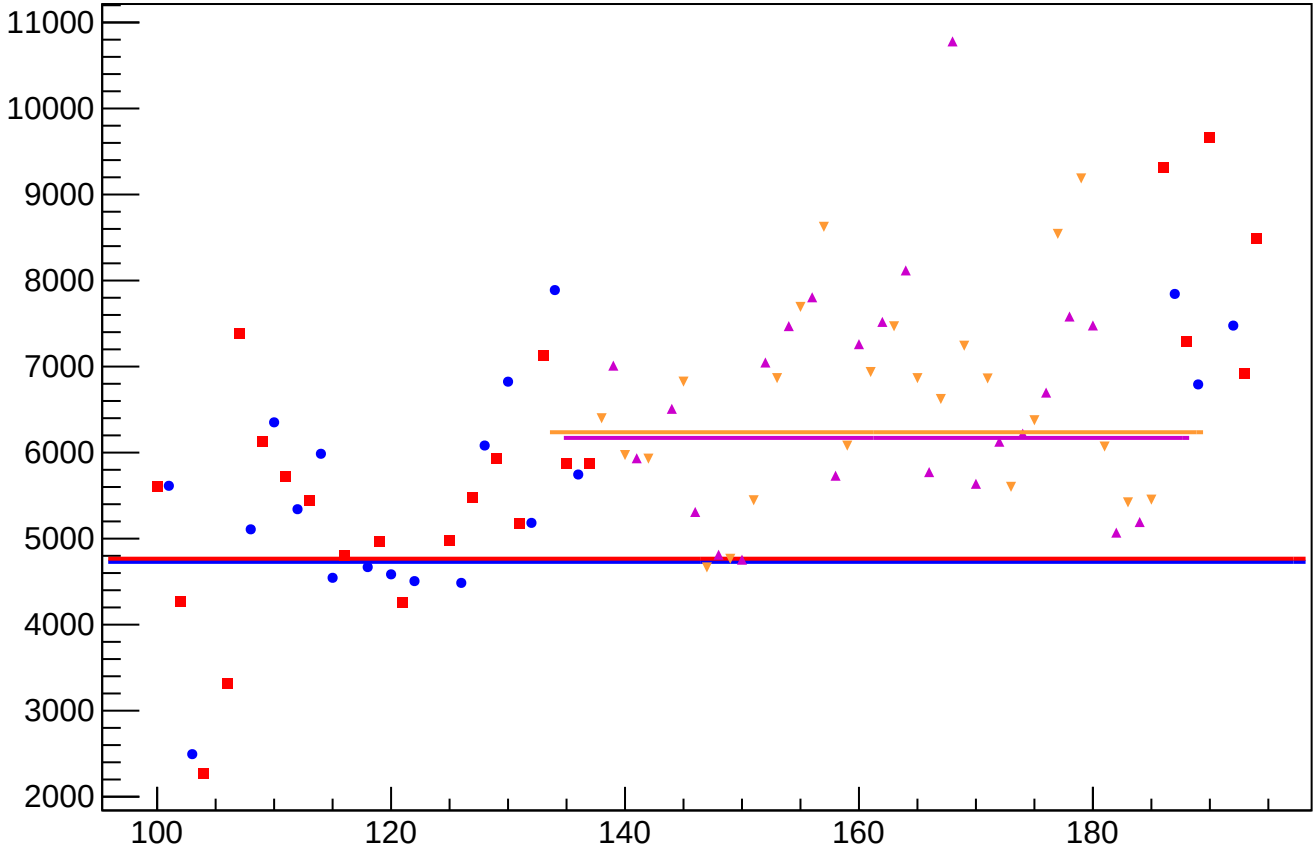
In: 1819.176+/-0.247 χ^2/NDF:320941.1/41

Out: 1820.446+/-0.239 χ^2/NDF:140579.6/46

All: 1819.833+/-0.172 χ^2/NDF: 461534.3/88


asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
Right In: -515.563+/-1677.632 χ²/NDF: 16.5/18
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: -1305.183+/-1581.235 χ²/NDF: 24.4/22
Left In: -143.369+/-1471.371 χ²/NDF:13.6/22
Left: -403.988+/-1043.032 χ²/NDF: 43.4/46
Right: -933.710+/-1150.672 χ²/NDF: 41.1/41
In: -305.191+/-1106.194 χ²/NDF:30.1/41
Out: -964.883+/-1080.068 χ²/NDF:54.3/46
All: -642.919+/-772.795 χ²/NDF: 84.6/88

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4730.038+/-1.186 χ^2/NDF: 1818972.0/18

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4766.669+/-1.118 χ^2/NDF: 2802342.1/22

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

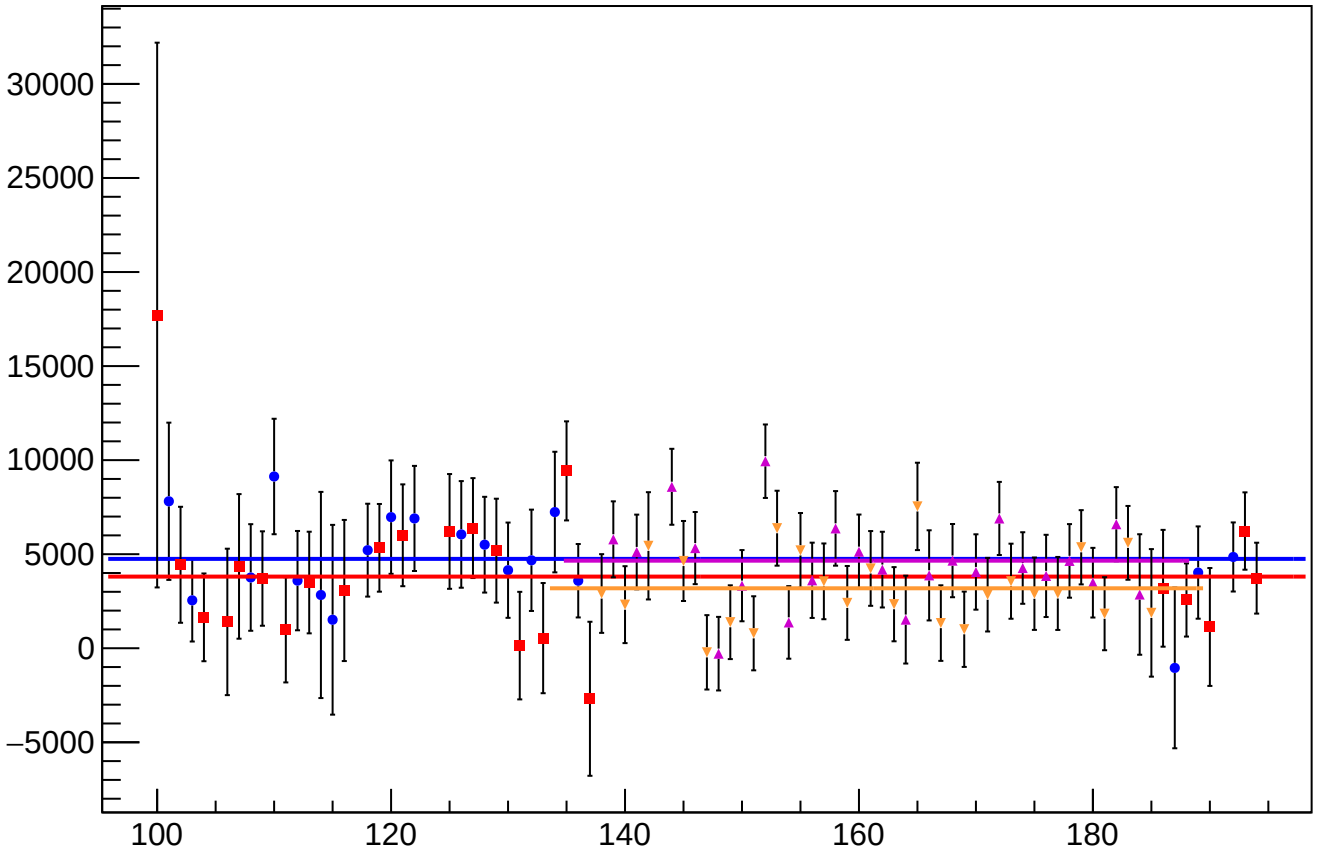
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 4749.436+/-0.814 χ^2/NDF: 4621819.0/41

In: 5544.381+/-0.782 χ^2/NDF:3890279.1/41

Out: 5550.805+/-0.764 χ^2/NDF:4792017.6/46

All: 5547.670+/-0.546 χ^2/NDF: 8682331.2/88



Right In: 4750.385+/-624.458 χ^2/NDF: 8.8/18

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3808.804+/-572.245 χ^2/NDF: 18.7/22

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

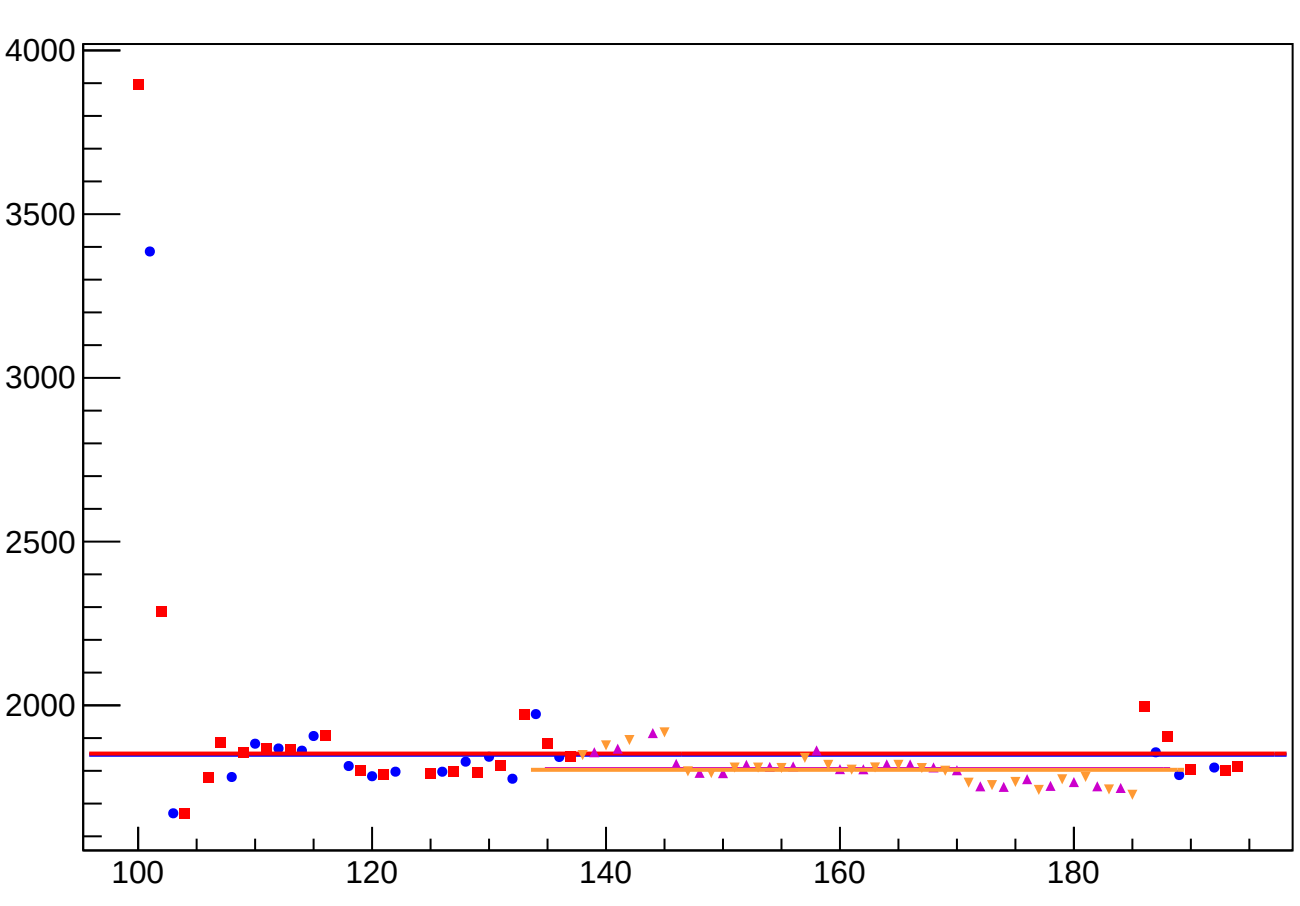
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4238.591+/-421.892 χ^2/NDF: 28.8/41

In: 4685.028+/-349.471 χ^2/NDF:36.6/41

Out: 3403.795+/-337.865 χ^2/NDF:39.4/46

All: 4022.784+/-242.906 χ^2/NDF: 82.9/88



Right In: 1849.037+/-0.442 χ^2/NDF: 294967.5/18

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1852.713+/-0.404 χ^2/NDF: 110128.1/22

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

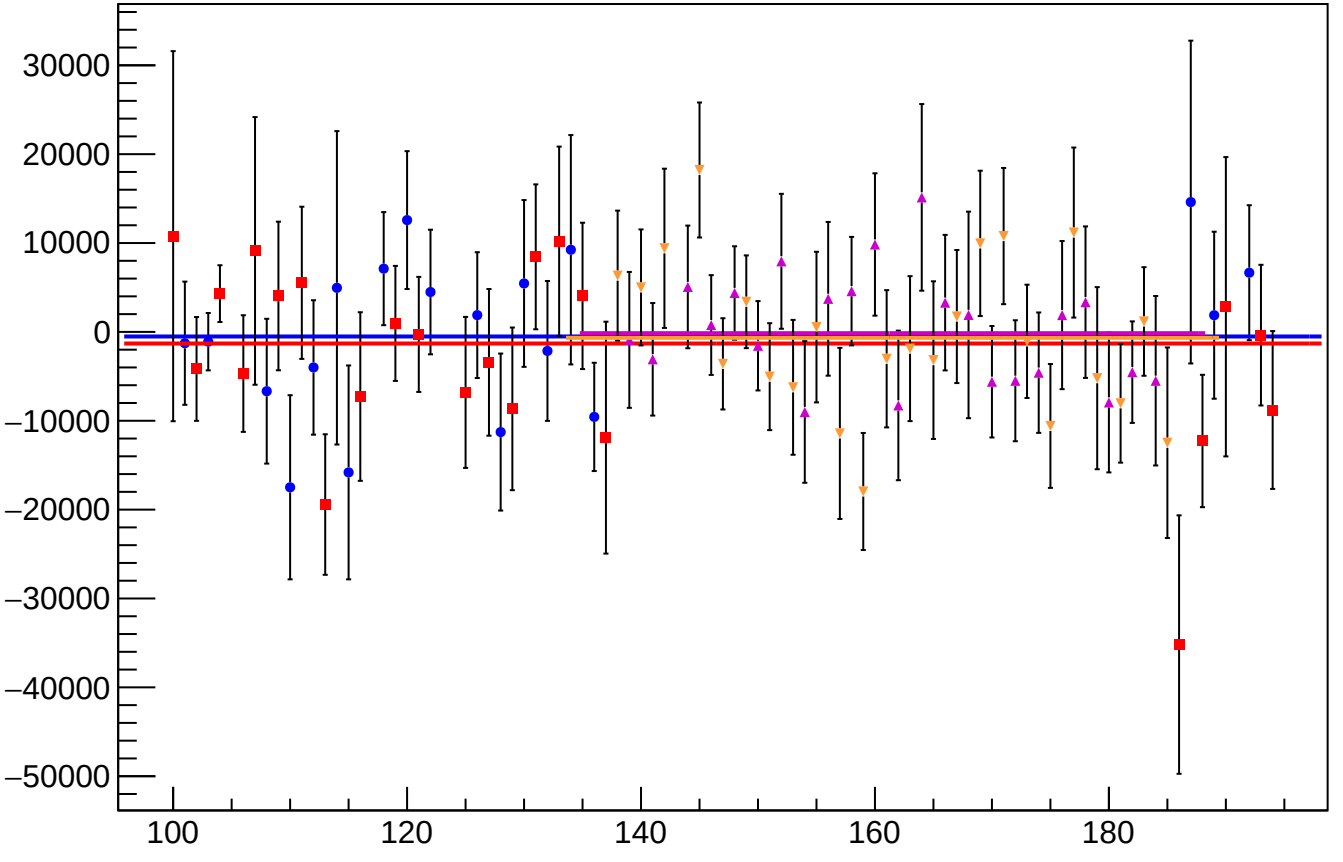
Right: 1851.038+/-0.298 χ^2/NDF: 405133.4/41

In: 1819.176+/-0.247 χ^2/NDF:320941.1/41

Out: 1820.446+/-0.239 χ^2/NDF:140579.6/46

All: 1819.833+/-0.172 χ^2/NDF: 461534.3/88

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -515.563+/-1677.632 χ^2/NDF: 16.5/18

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: -1305.183+/-1581.235 χ^2/NDF: 24.4/22

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

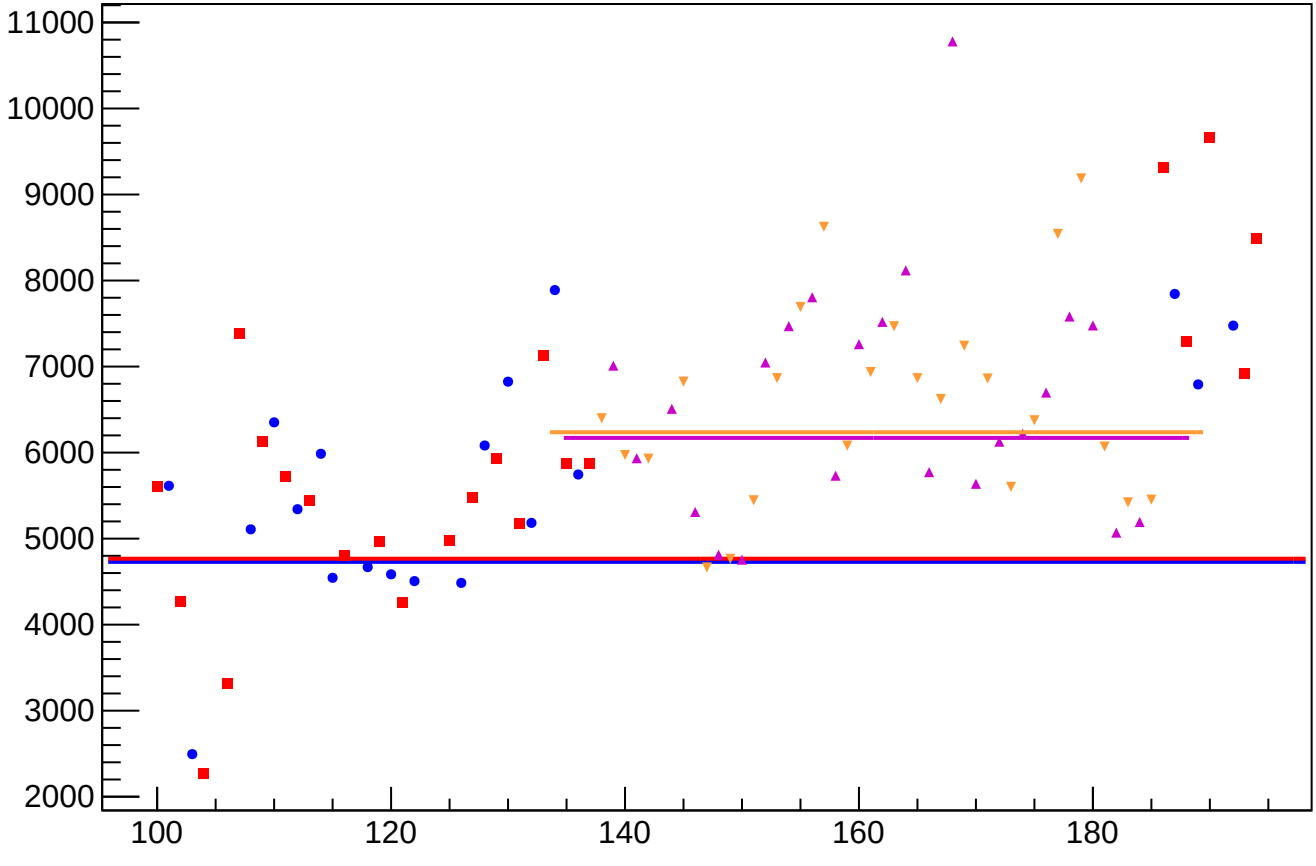
Right: -933.710+/-1150.672 χ^2/NDF: 41.1/41

In: -305.191+/-1106.194 χ^2/NDF:30.1/41

Out: -964.883+/-1080.068 χ^2/NDF:54.3/46

All: -642.919+/-772.795 χ^2/NDF: 84.6/88

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4730.038+/-1.186 χ^2/NDF: 1818972.0/18

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4766.669+/-1.118 χ^2/NDF: 2802342.1/22

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

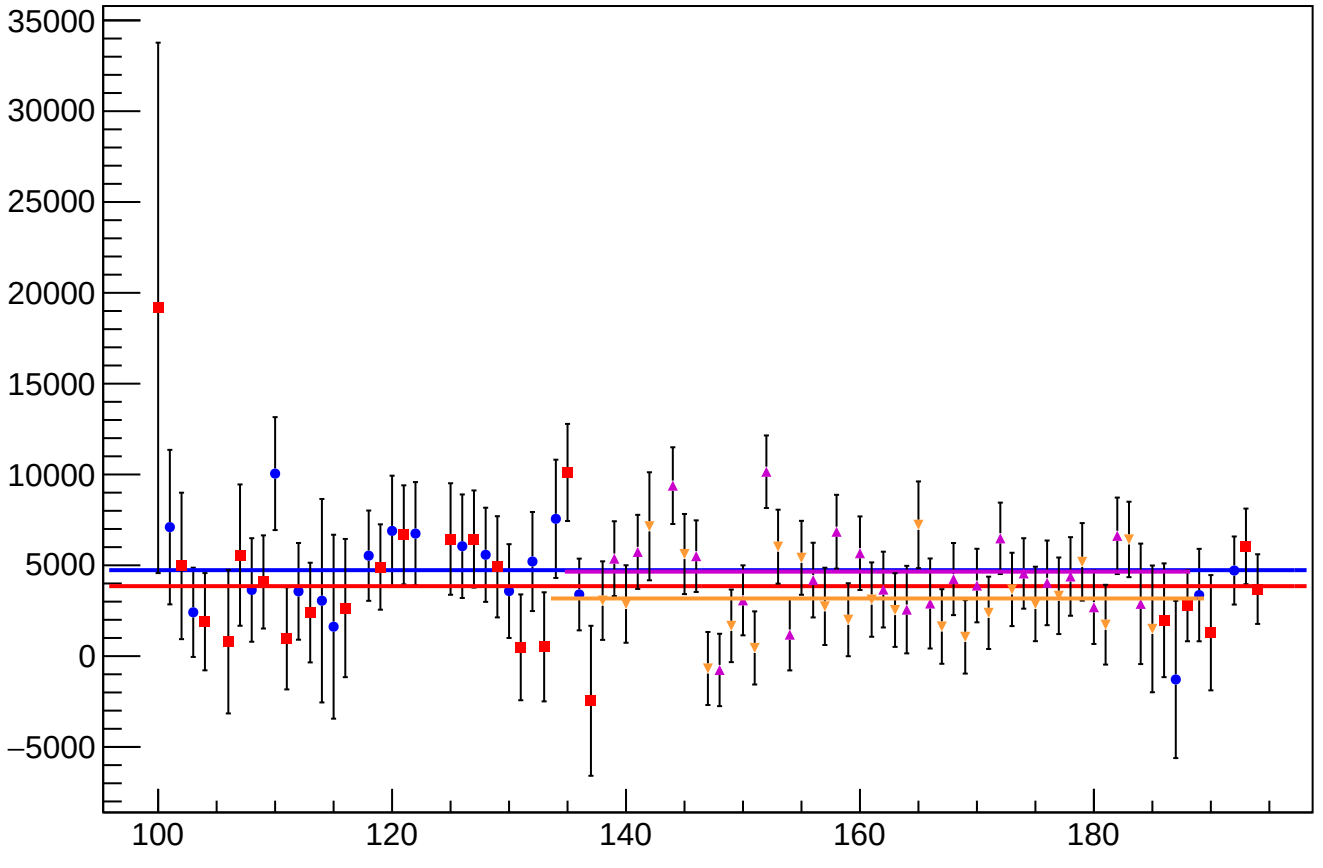
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 4749.436+/-0.814 χ^2/NDF: 4621819.0/41

In: 5544.381+/-0.782 χ^2/NDF:3890279.1/41

Out: 5550.805+/-0.764 χ^2/NDF:4792017.6/46

All: 5547.670+/-0.546 χ^2/NDF: 8682331.2/88



Right In: 4732.614+/-638.368 χ^2/NDF: 10.0/18

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: 3852.273+/-587.277 χ^2/NDF: 19.8/22

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

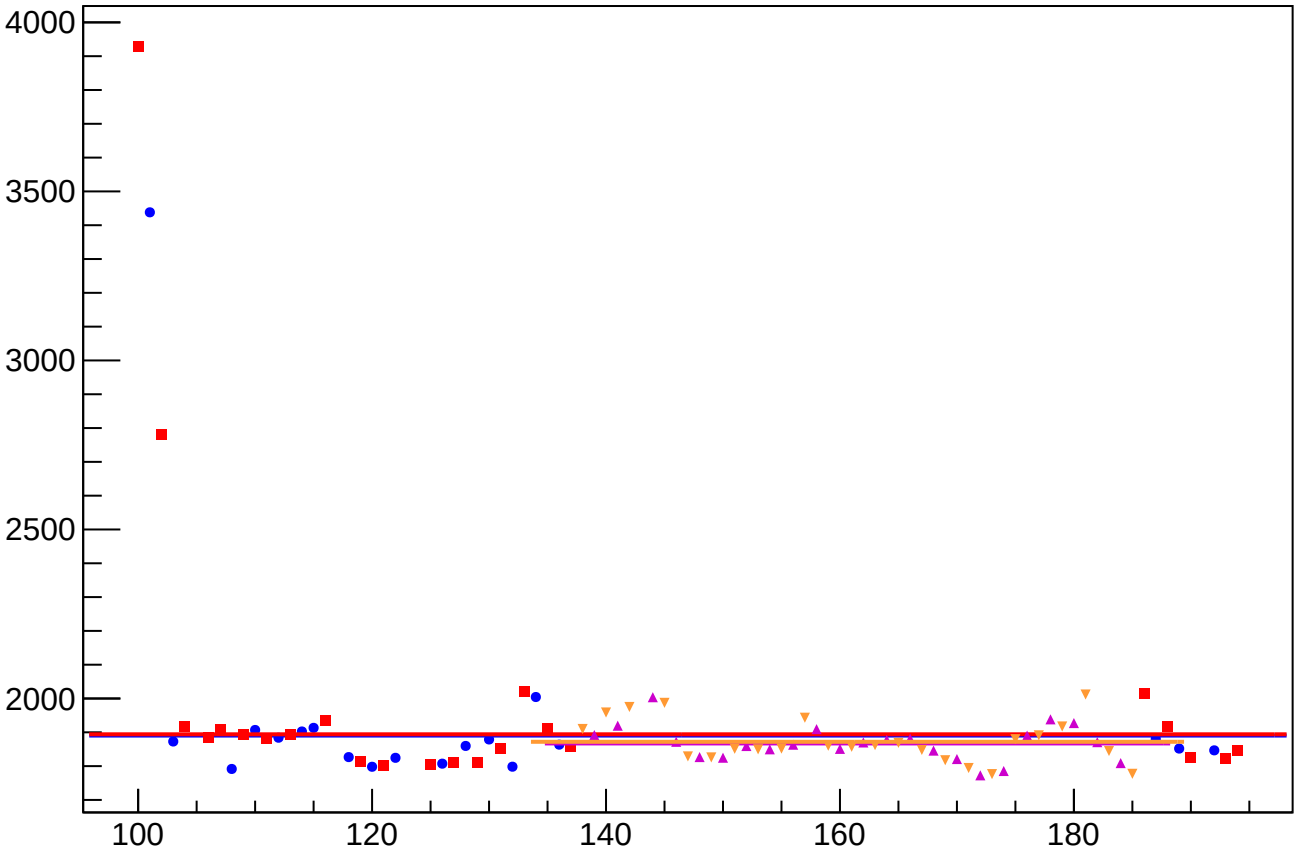
Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

Right: 4255.810+/-432.203 χ^2/NDF: 30.9/41

In: 4676.610+/-360.150 χ^2/NDF:40.6/41

Out: 3414.518+/-349.457 χ^2/NDF:42.3/46

All: 4026.551+/-250.799 χ^2/NDF: 89.2/88



Right In: 1890.438+/-0.451 χ^2/NDF: 280376.5/18

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

Right Out: 1894.122+/-0.415 χ^2/NDF: 158353.1/22

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

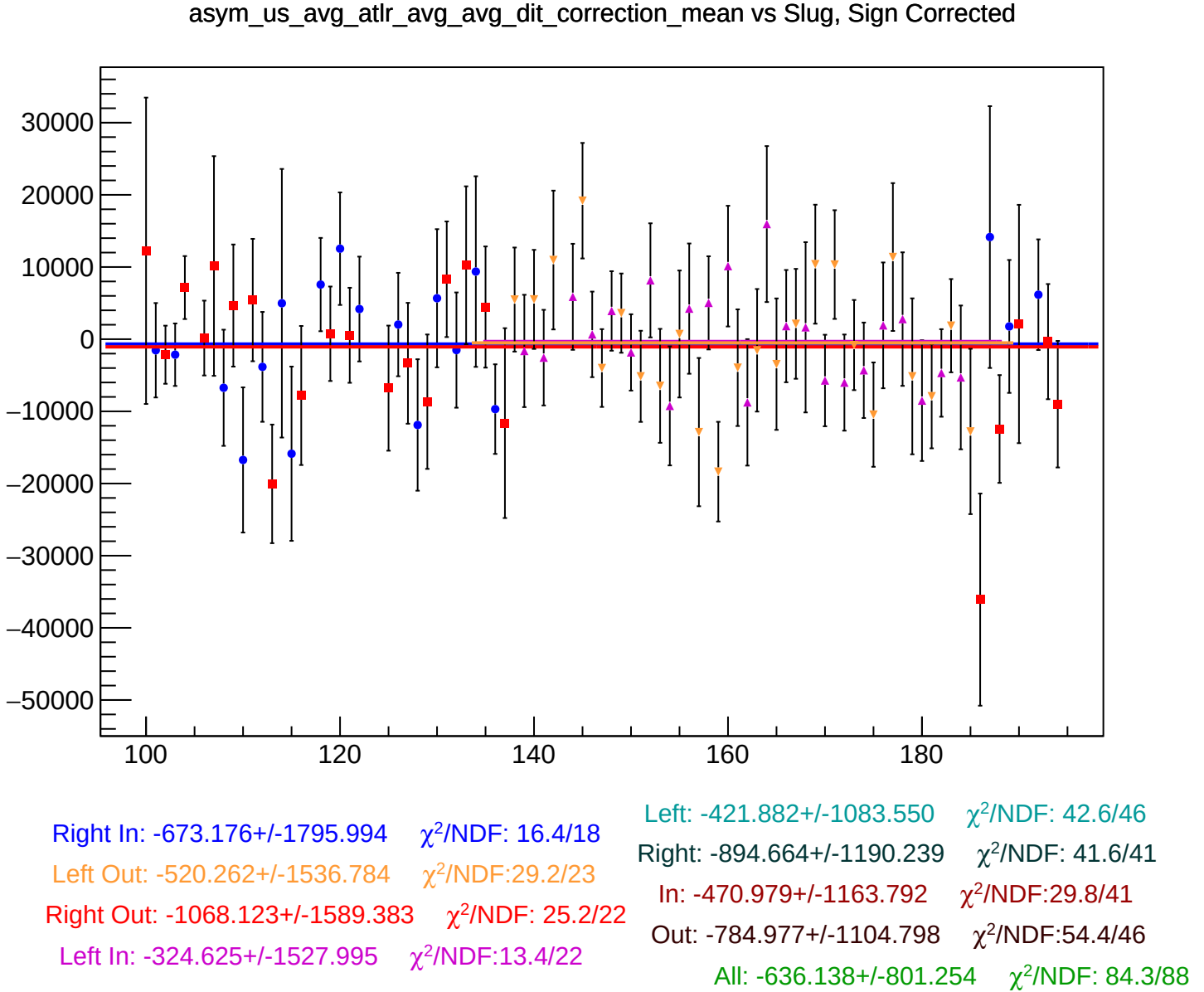
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

Right: 1892.435+/-0.305 χ^2/NDF: 438765.7/41

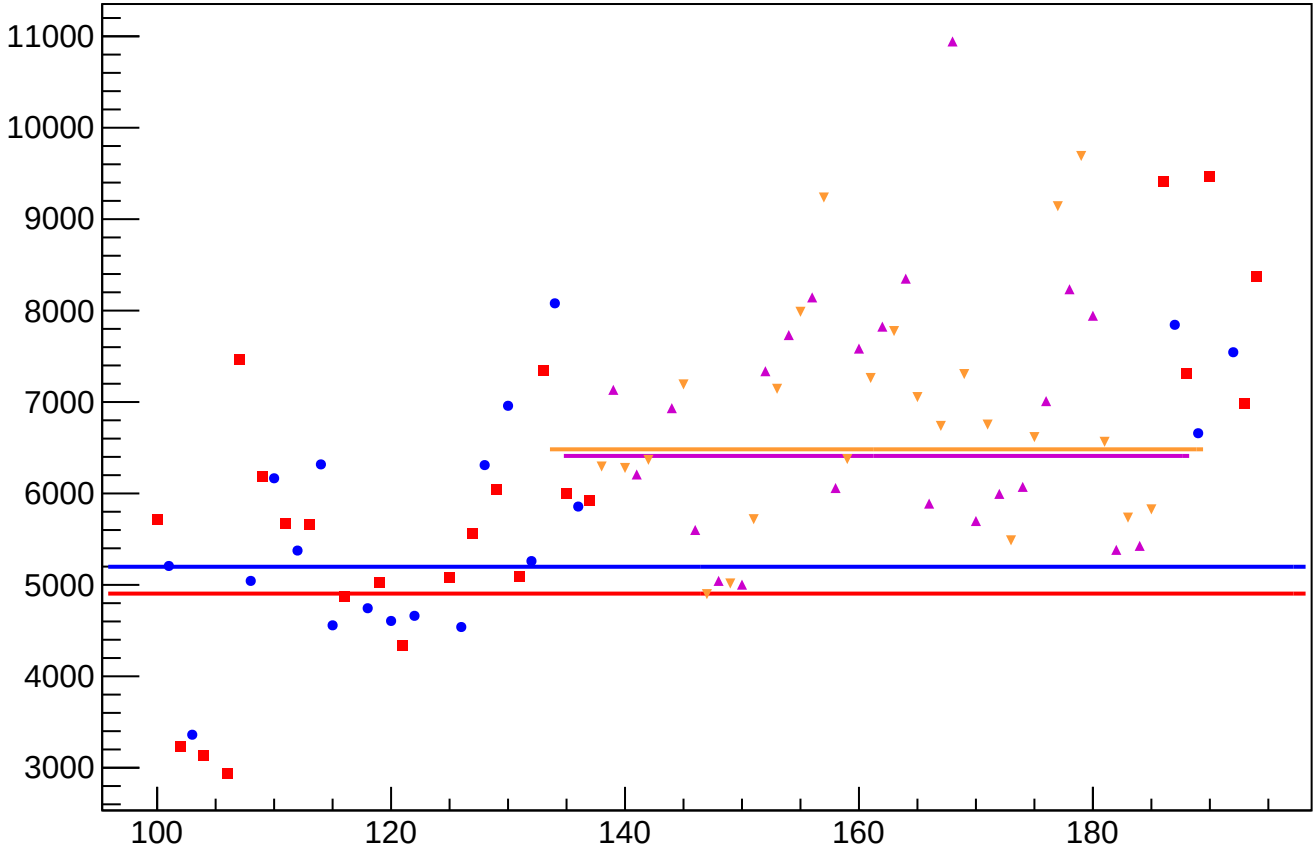
In: 1874.514+/-0.255 χ^2/NDF:309448.8/41

Out: 1879.827+/-0.247 χ^2/NDF:197346.1/46

All: 1877.251+/-0.177 χ^2/NDF: 507019.1/88


asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
Right In: -673.176+/-1795.994 χ²/NDF: 16.4/18
Left Out: -520.262+/-1536.784 χ²/NDF:29.2/23
Right Out: -1068.123+/-1589.383 χ²/NDF: 25.2/22
Left In: -324.625+/-1527.995 χ²/NDF:13.4/22
Left: -421.882+/-1083.550 χ²/NDF: 42.6/46
Right: -894.664+/-1190.239 χ²/NDF: 41.6/41
In: -470.979+/-1163.792 χ²/NDF:29.8/41
Out: -784.977+/-1104.798 χ²/NDF:54.4/46
All: -636.138+/-801.254 χ²/NDF: 84.3/88

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 5198.271+/-1.270 χ^2/NDF: 938042.2/18

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

Right Out: 4904.696+/-1.124 χ^2/NDF: 2303246.2/22

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

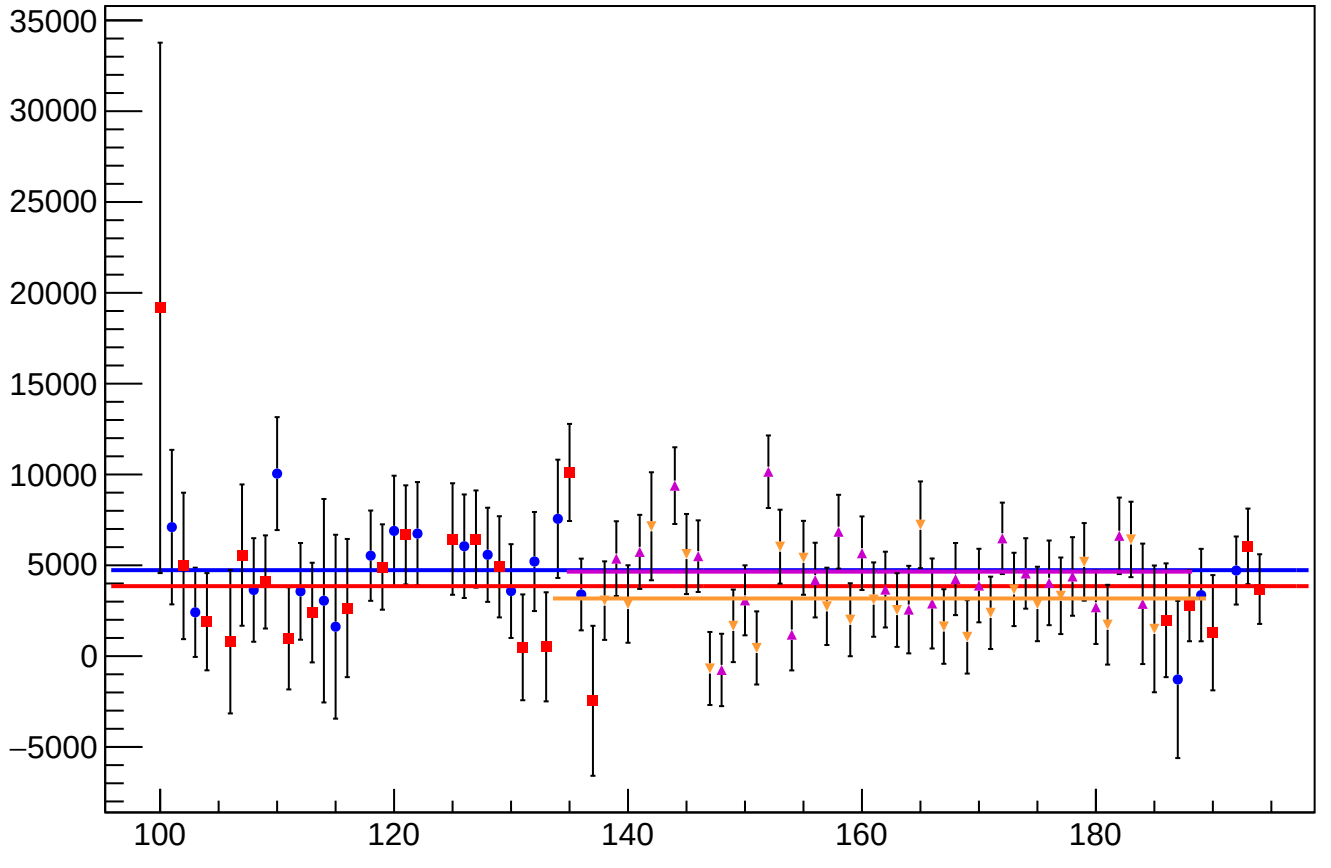
Left: 6446.367+/-0.766 χ^2/NDF: 2296641.6/46

Right: 5033.633+/-0.842 χ^2/NDF: 3271257.2/41

In: 5901.444+/-0.823 χ^2/NDF:2686363.7/41

Out: 5720.256+/-0.781 χ^2/NDF:4396762.9/46

All: 5806.142+/-0.567 χ^2/NDF: 7108624.9/88



Right In: 4732.613+/-638.368 χ^2/NDF: 10.0/18

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: 3852.271+/-587.277 χ^2/NDF: 19.8/22

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

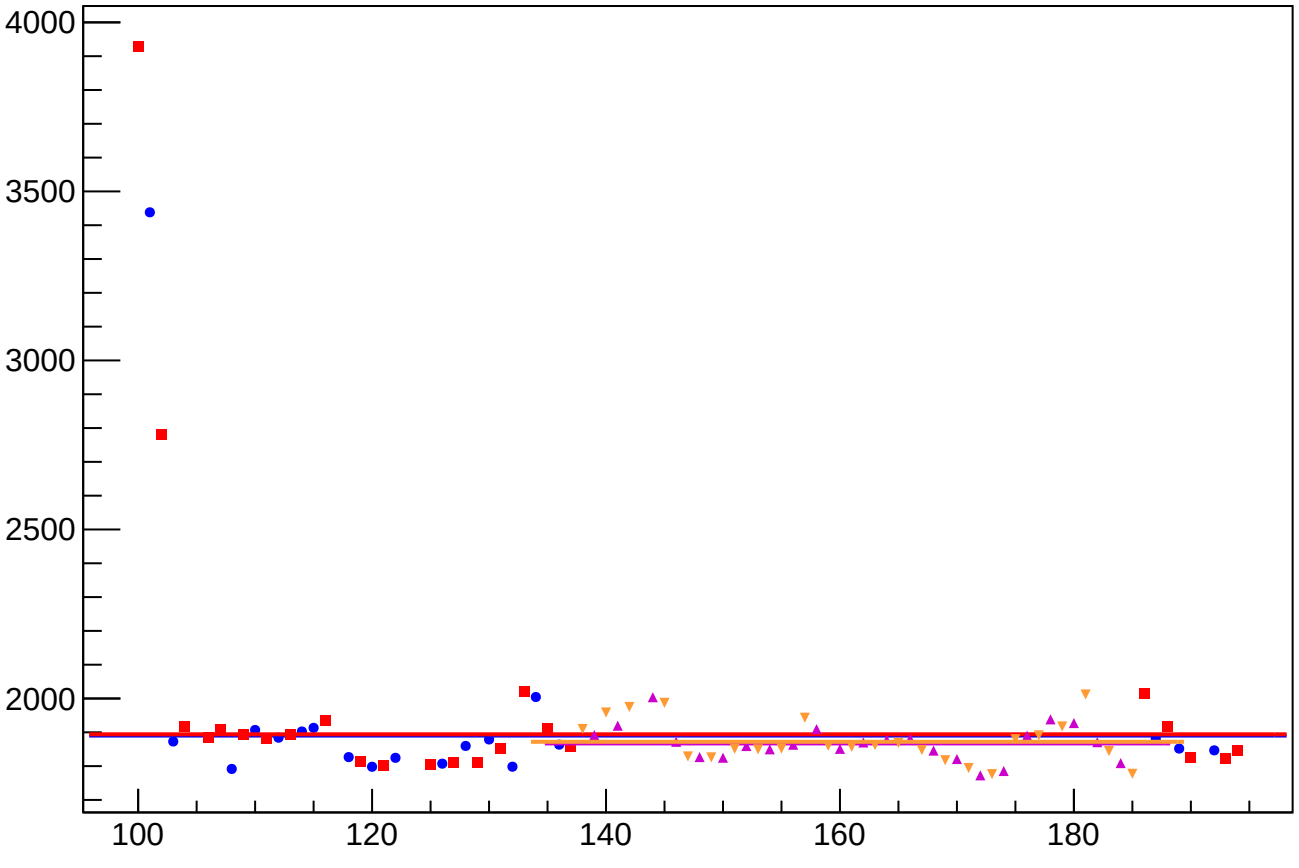
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

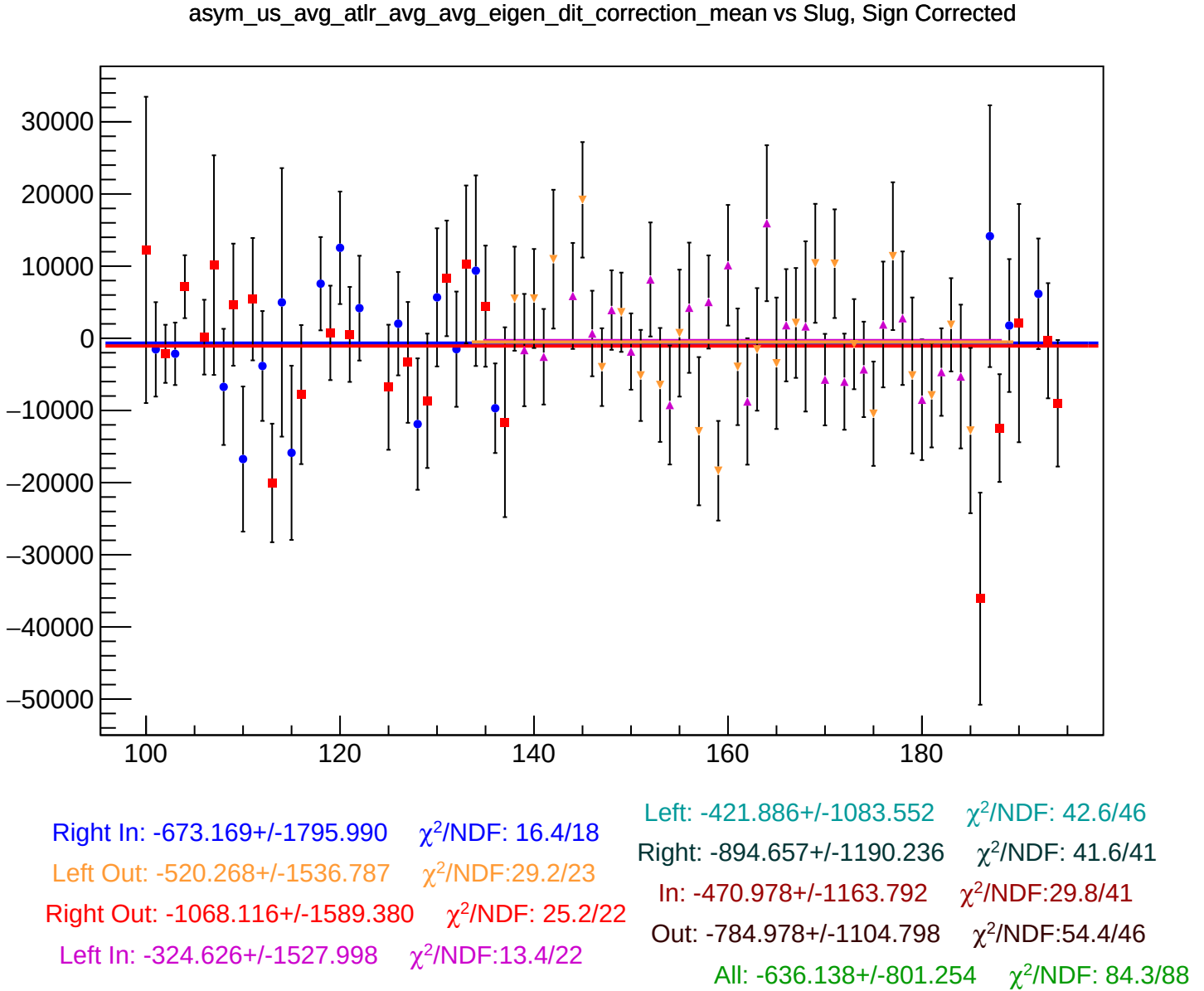
Right: 4255.809+/-432.203 χ^2/NDF: 30.9/41

In: 4676.610+/-360.150 χ^2/NDF:40.6/41

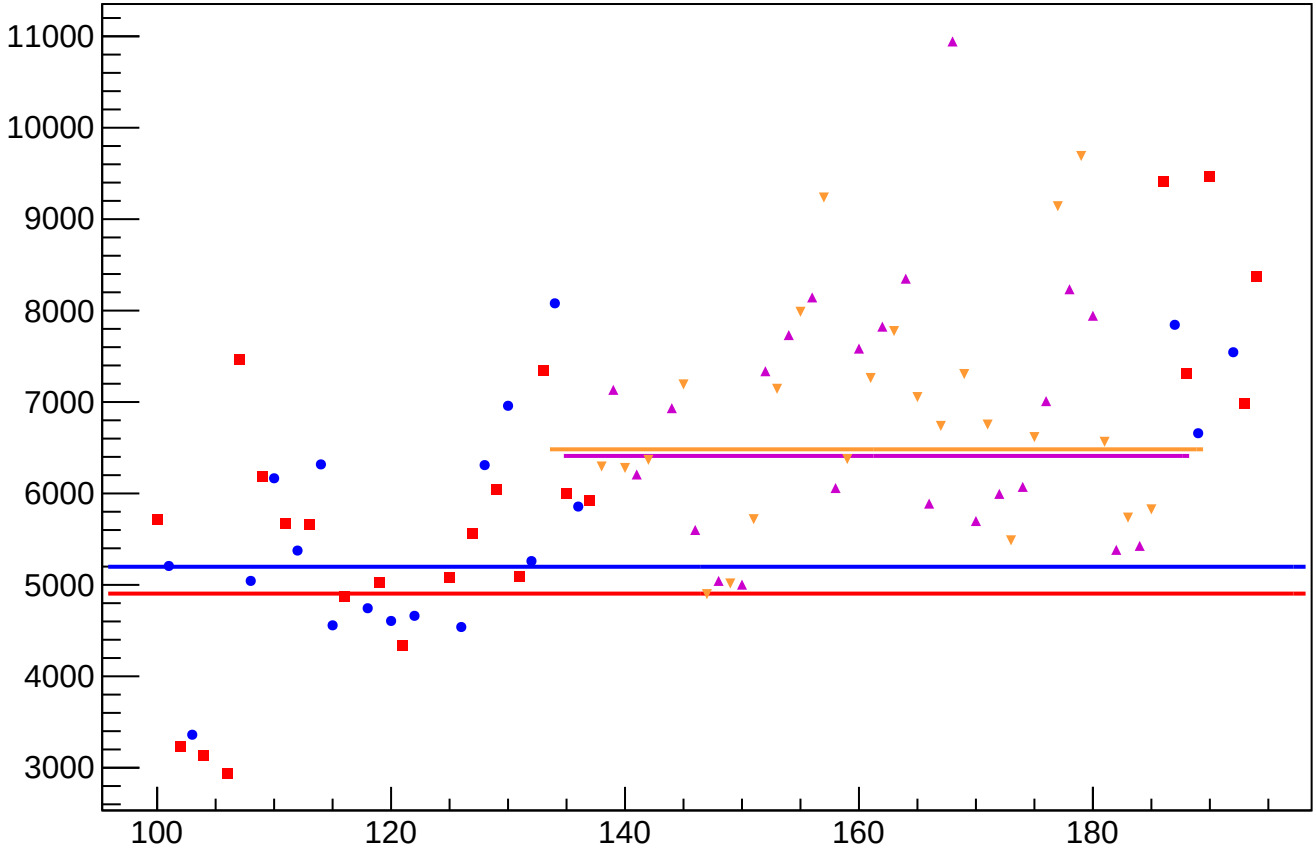
Out: 3414.513+/-349.457 χ^2/NDF:42.3/46

All: 4026.548+/-250.799 χ^2/NDF: 89.2/88


eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
120
140
160
180
Right In: 1890.437+/-0.451 χ²/NDF: 280376.8/18
Left Out: 1871.981+/-0.307 χ²/NDF:37155.9/23
Right Out: 1894.122+/-0.415 χ²/NDF: 158352.2/22
Left In: 1867.080+/-0.308 χ²/NDF:27247.8/22
Left: 1869.538+/-0.218 χ²/NDF: 64530.3/46
Right: 1892.434+/-0.305 χ²/NDF: 438765.1/41
In: 1874.515+/-0.255 χ²/NDF:309450.0/41
Out: 1879.828+/-0.247 χ²/NDF:197345.9/46
All: 1877.252+/-0.177 χ²/NDF: 507020.1/88


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
Right In: -673.169+/-1795.990 χ²/NDF: 16.4/18
Left Out: -520.268+/-1536.787 χ²/NDF:29.2/23
Right Out: -1068.116+/-1589.380 χ²/NDF: 25.2/22
Left In: -324.626+/-1527.998 χ²/NDF:13.4/22
Left: -421.886+/-1083.552 χ²/NDF: 42.6/46
Right: -894.657+/-1190.236 χ²/NDF: 41.6/41
In: -470.978+/-1163.792 χ²/NDF:29.8/41
Out: -784.978+/-1104.798 χ²/NDF:54.4/46
All: -636.138+/-801.254 χ²/NDF: 84.3/88

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5198.259+/-1.270 χ^2/NDF: 938049.7/18

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 4904.685+/-1.124 χ^2/NDF: 2303255.6/22

Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

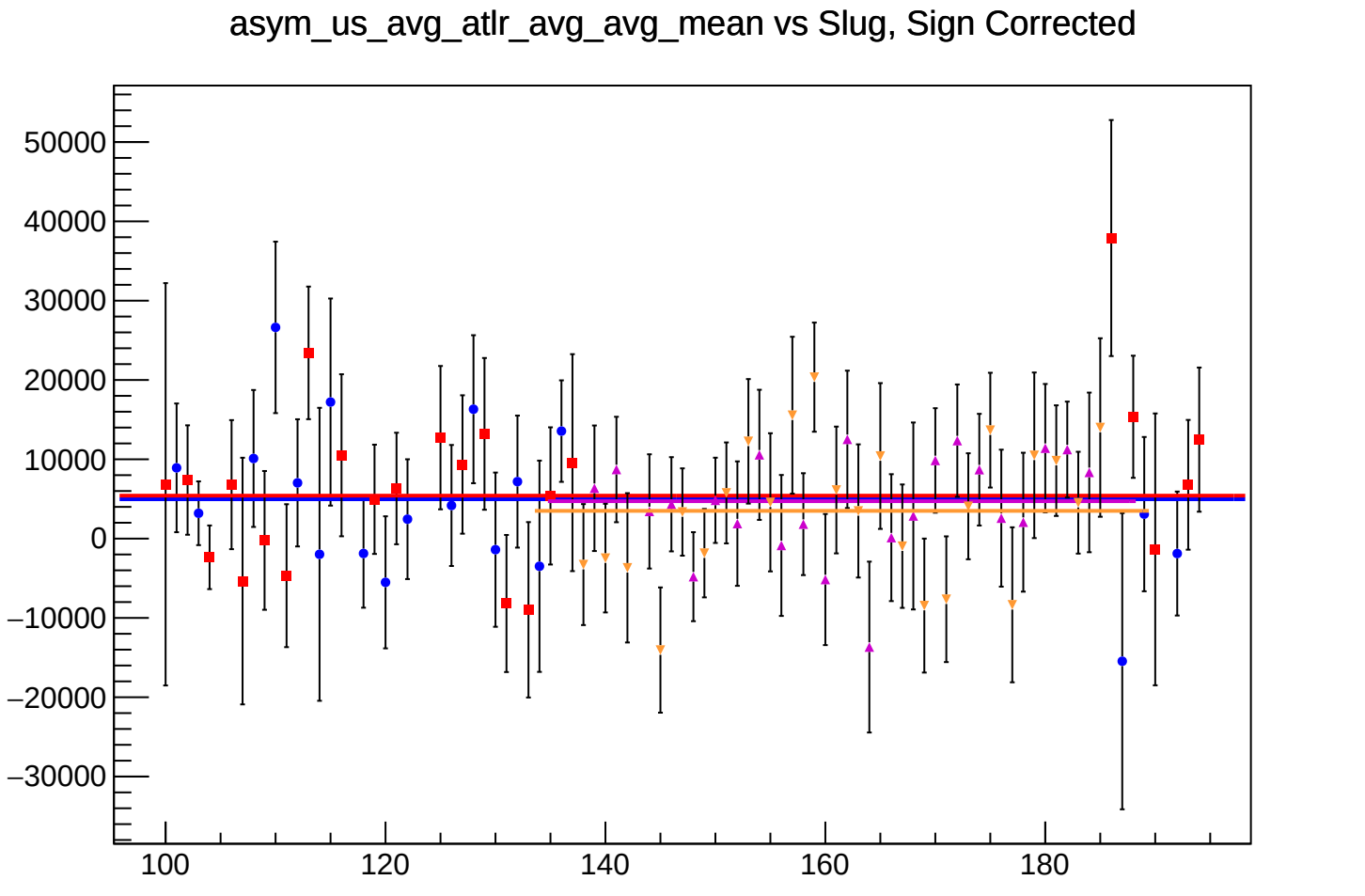
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

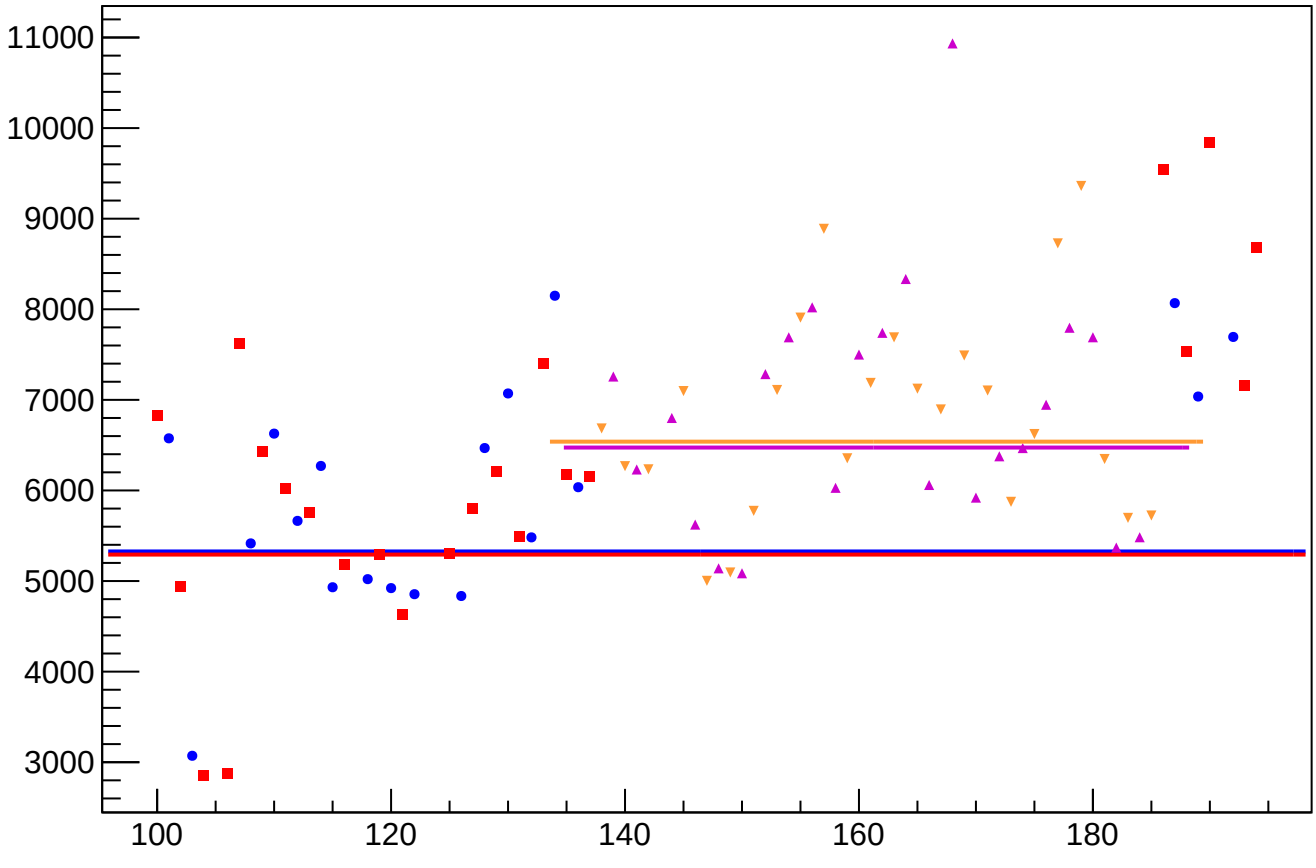
Right: 5033.621+/-0.842 χ^2/NDF: 3271274.0/41

In: 5901.443+/-0.823 χ^2/NDF:2686394.4/41

Out: 5720.253+/-0.781 χ^2/NDF:4396803.8/46

All: 5806.139+/-0.567 χ^2/NDF: 7108697.0/88


asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
Right In: 4965.498+/-1855.901 χ²/NDF: 14.8/18
Left Out: 3497.162+/-1545.839 χ²/NDF:27.5/23
Right Out: 5415.003+/-1759.696 χ²/NDF: 23.9/22
Left In: 4719.535+/-1539.177 χ²/NDF:14.3/22
Left: 4110.988+/-1090.710 χ²/NDF: 42.1/46
Right: 5202.202+/-1276.949 χ²/NDF: 38.7/41
In: 4819.768+/-1184.751 χ²/NDF:29.1/41
Out: 4332.522+/-1161.363 χ²/NDF:52.1/46
All: 4571.288+/-829.353 χ²/NDF: 81.2/88



Right In: 5326.552+/-1.312 χ^2/NDF: 1239934.0/18

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

Right Out: 5292.086+/-1.223 χ^2/NDF: 2160292.5/22

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

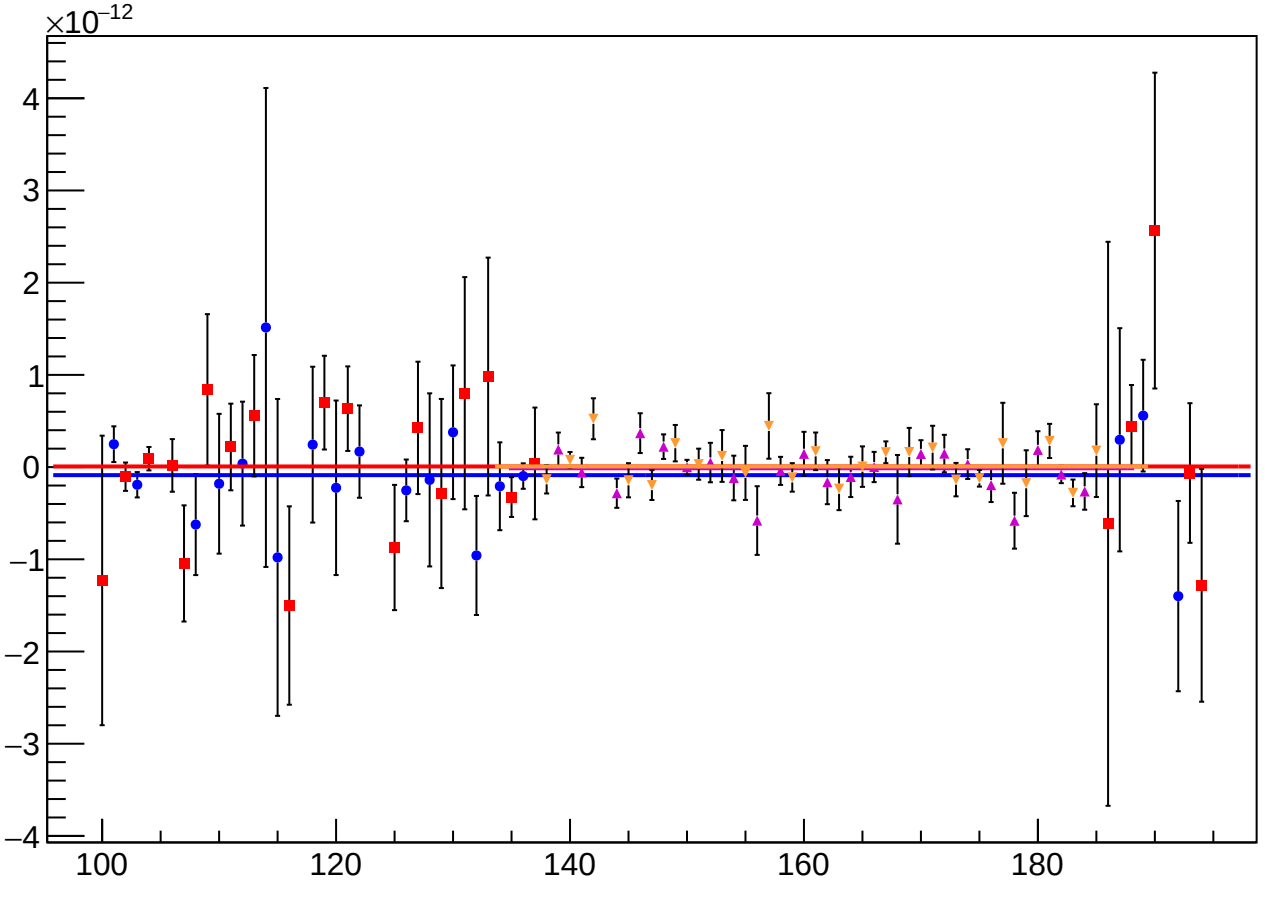
Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

Right: 5308.109+/-0.895 χ^2/NDF: 3400595.7/41

In: 6006.081+/-0.838 χ^2/NDF:2764252.8/41

Out: 5985.187+/-0.815 χ^2/NDF:3658427.3/46

All: 5995.347+/-0.584 χ^2/NDF: 6422999.7/88



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/22

Left In: -0.000+/-0.000 χ^2/NDF:24.0/22

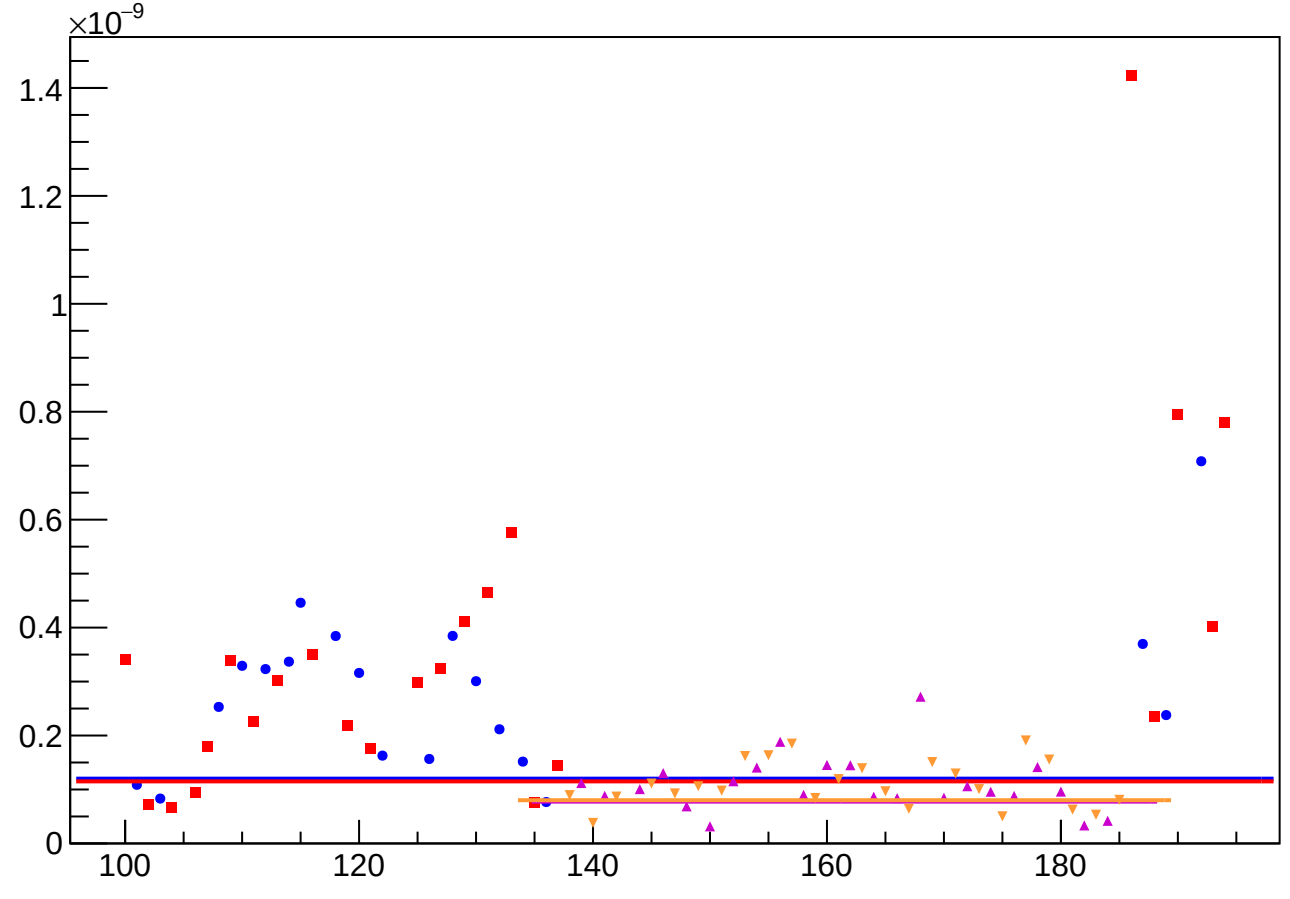
Left: -0.000+/-0.000 χ^2/NDF: 51.3/46

Right: -0.000+/-0.000 χ^2/NDF: 33.5/41

In: -0.000+/-0.000 χ^2/NDF:35.8/41

Out: 0.000+/-0.000 χ^2/NDF:48.8/46

All: -0.000+/-0.000 χ^2/NDF: 85.1/88



Right In: 0.000+/-0.000 χ^2/NDF: 2348614.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3792019.6/22

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4801129.7/46

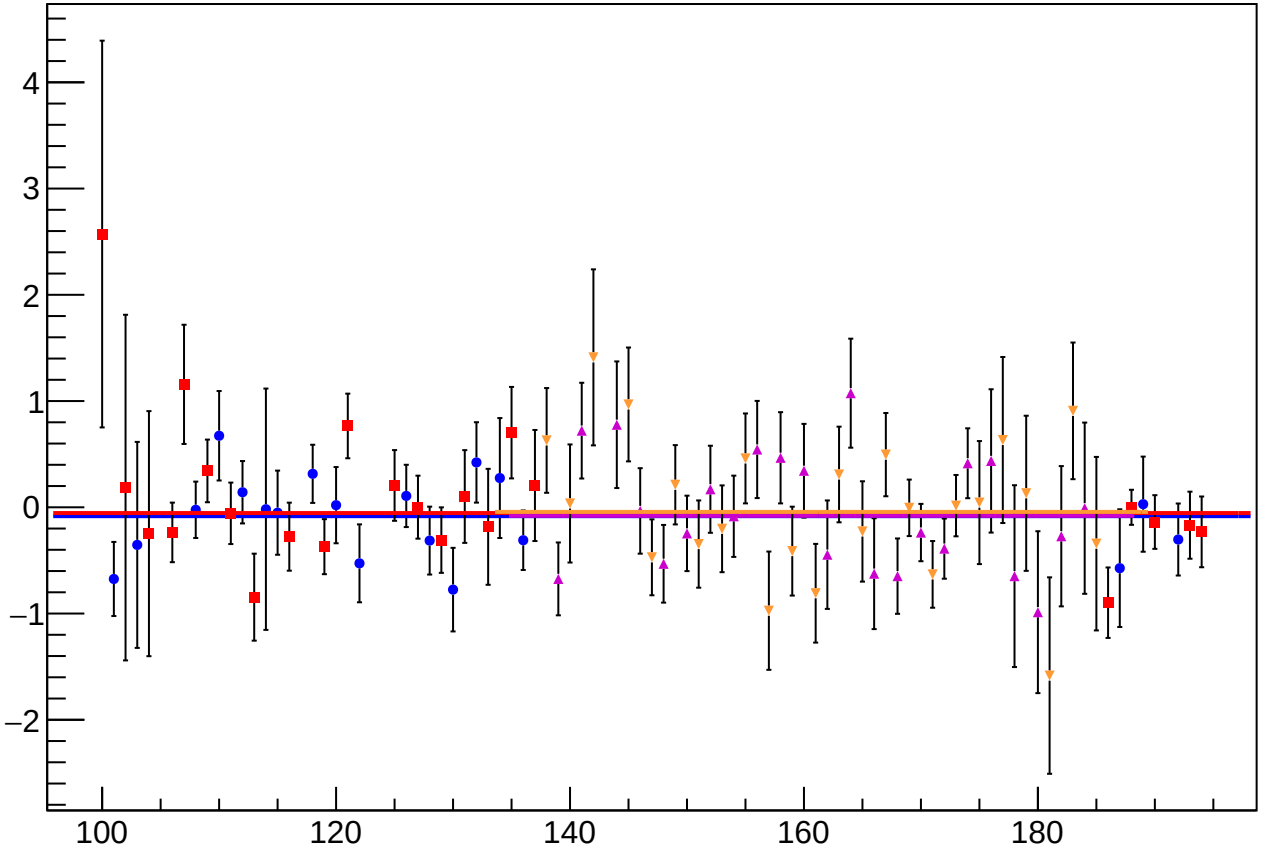
Right: 0.000+/-0.000 χ^2/NDF: 6145028.6/41

In: 0.000+/-0.000 χ^2/NDF:5501725.7/41

Out: 0.000+/-0.000 χ^2/NDF:6297393.2/46

All: 0.000+/-0.000 χ^2/NDF: 11801868.9/88

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.084+/-0.083 χ^2/NDF: 18.6/18

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.054+/-0.069 χ^2/NDF: 34.0/22

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

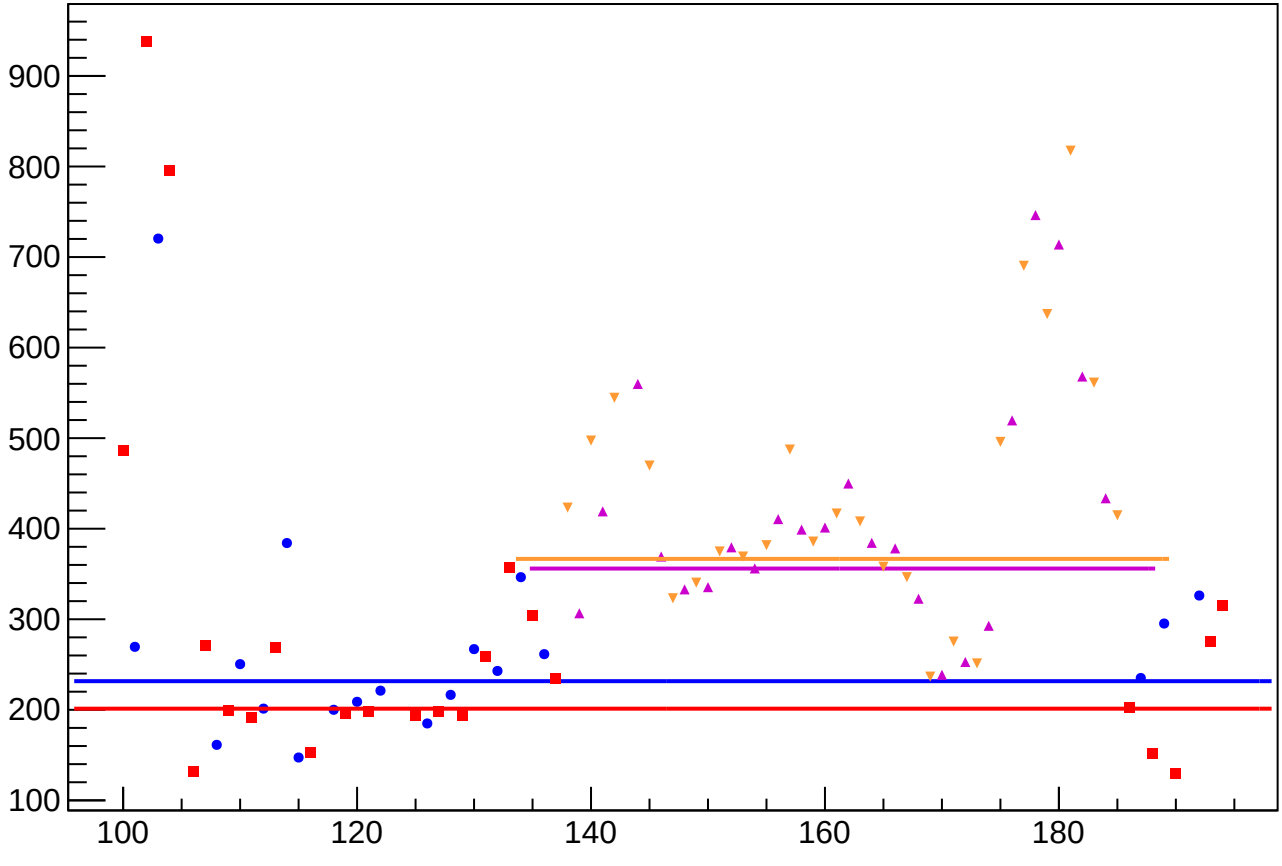
Right: -0.066+/-0.053 χ^2/NDF: 52.7/41

In: -0.082+/-0.060 χ^2/NDF:49.0/41

Out: -0.050+/-0.055 χ^2/NDF:65.0/46

All: -0.065+/-0.041 χ^2/NDF: 114.1/88

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 231.626+/-0.059 χ^2/NDF: 1235881.3/18

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 201.249+/-0.049 χ^2/NDF: 2253138.3/22

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

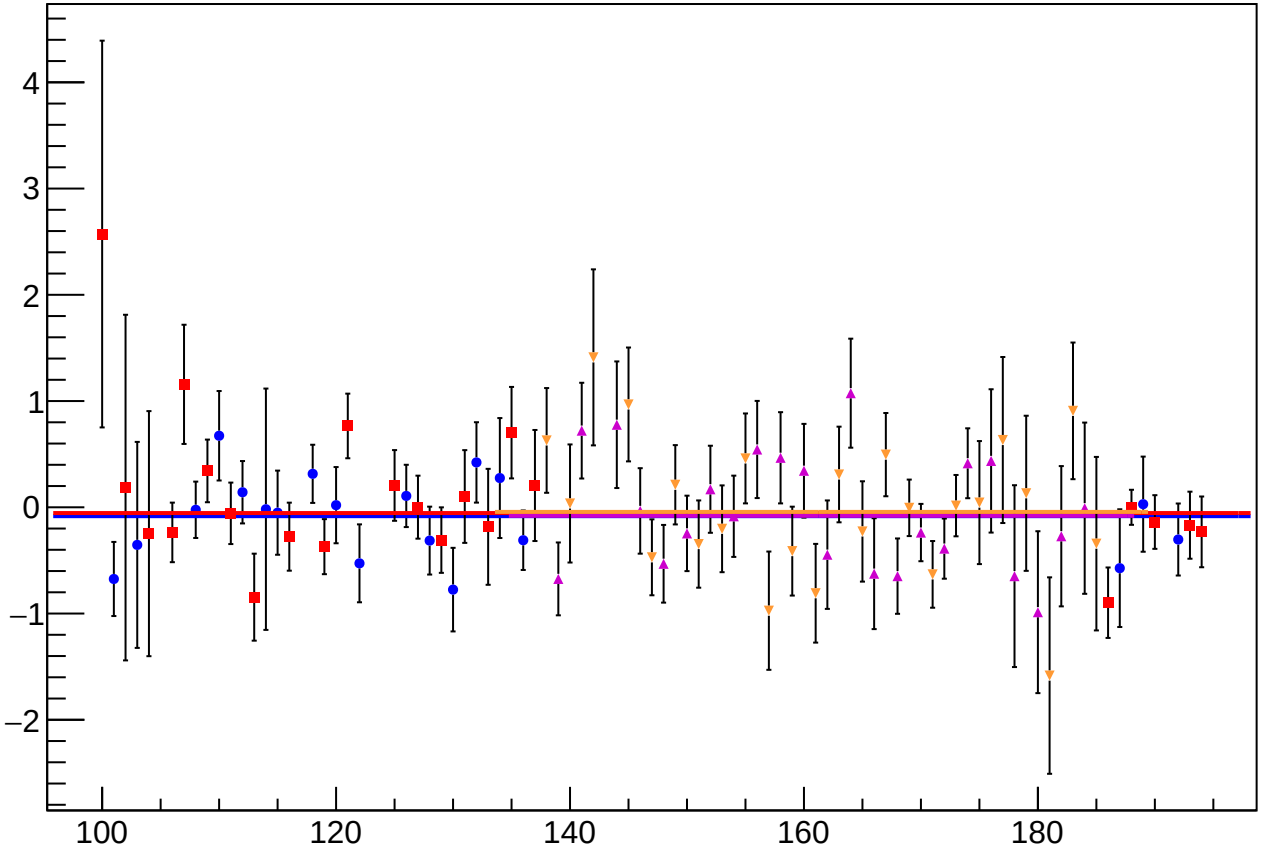
Right: 213.566+/-0.037 χ^2/NDF: 3647214.3/41

In: 290.550+/-0.043 χ^2/NDF:5769666.4/41

Out: 261.848+/-0.039 χ^2/NDF:9332598.4/46

All: 274.791+/-0.029 χ^2/NDF: 15350142.5/88

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.084+/-0.083 χ^2/NDF: 18.6/18

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.054+/-0.069 χ^2/NDF: 34.0/22

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

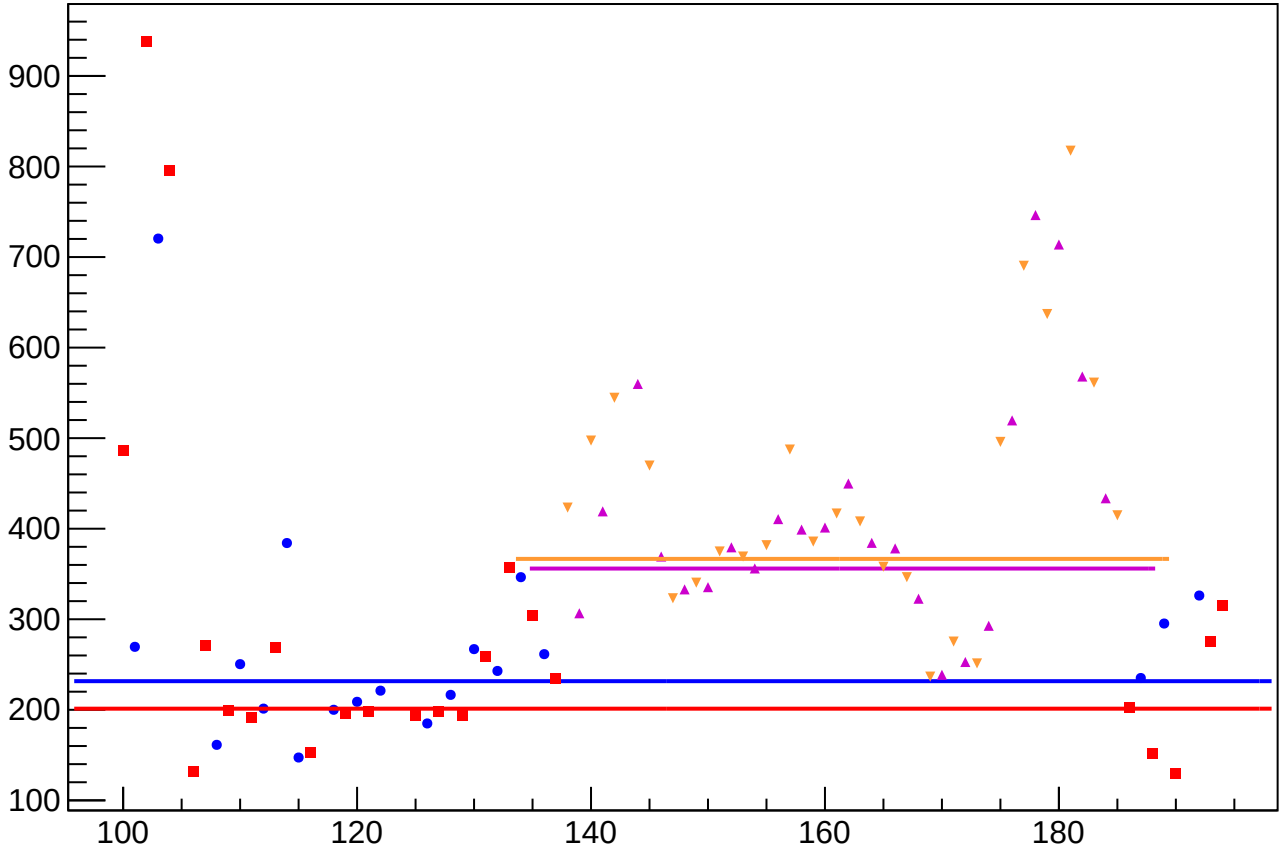
Right: -0.066+/-0.053 χ^2/NDF: 52.7/41

In: -0.082+/-0.060 χ^2/NDF:49.0/41

Out: -0.050+/-0.055 χ^2/NDF:65.0/46

All: -0.065+/-0.041 χ^2/NDF: 114.1/88

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 231.626+/-0.059 χ^2/NDF: 1235881.3/18

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 201.249+/-0.049 χ^2/NDF: 2253138.3/22

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

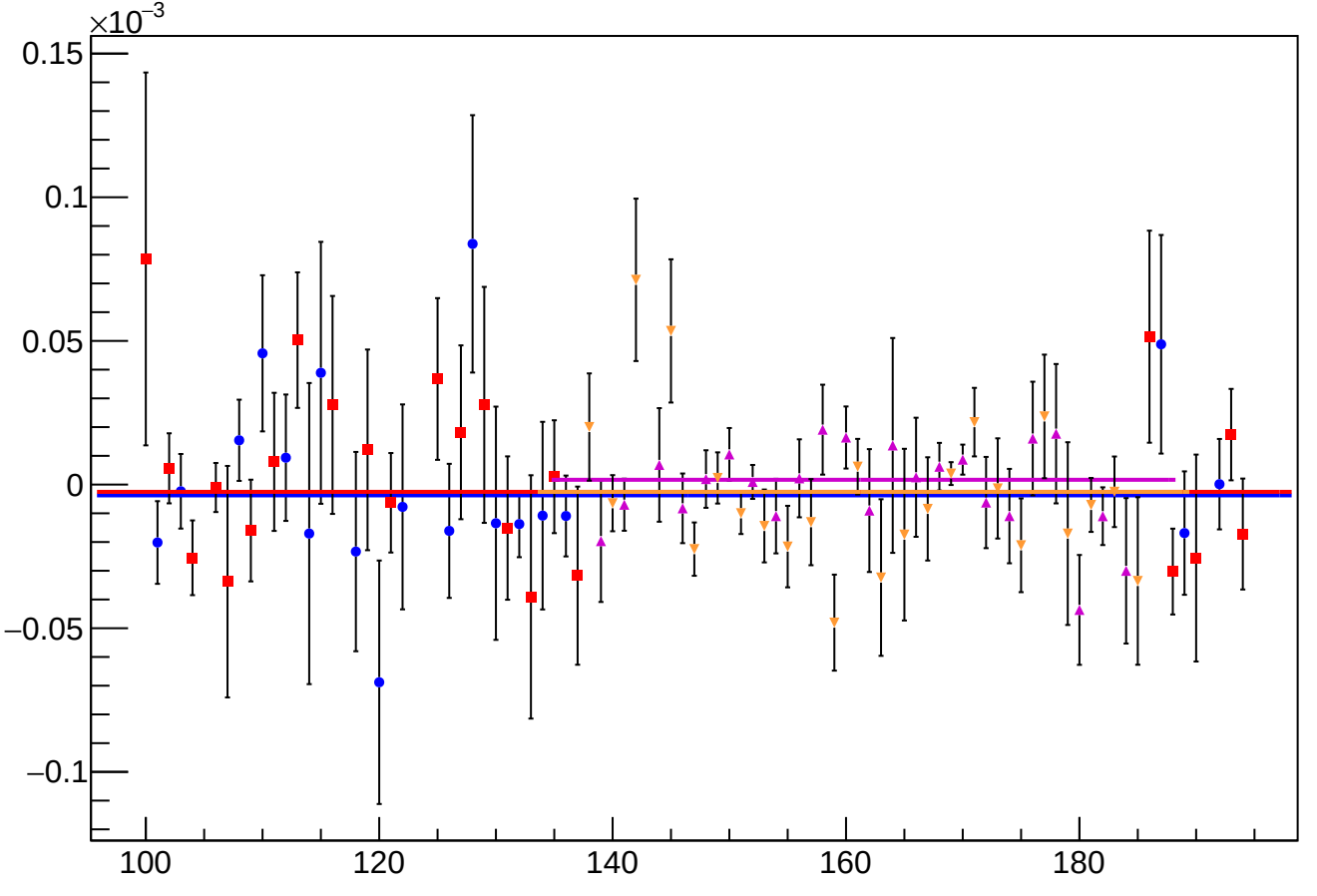
Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

Right: 213.566+/-0.037 χ^2/NDF: 3647214.3/41

In: 290.550+/-0.043 χ^2/NDF:5769666.4/41

Out: 261.848+/-0.039 χ^2/NDF:9332598.4/46

All: 274.791+/-0.029 χ^2/NDF: 15350142.5/88



Right In: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/22

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

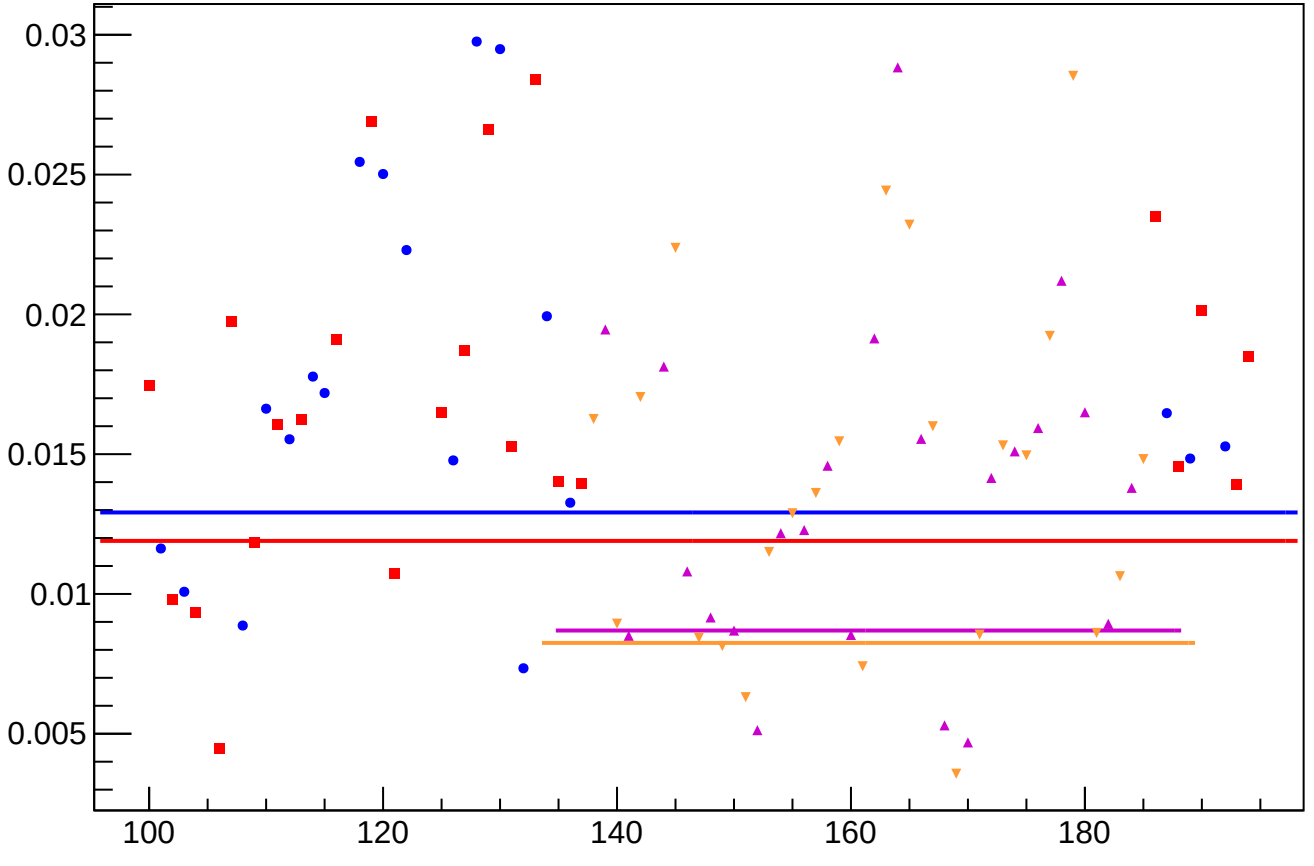
Right: -0.000+/-0.000 χ^2/NDF: 43.5/41

In: 0.000+/-0.000 χ^2/NDF:39.8/41

Out: -0.000+/-0.000 χ^2/NDF:69.0/46

All: -0.000+/-0.000 χ^2/NDF: 109.9/88

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: 2207159.4/18

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

Right Out: 0.012+/-0.000 χ^2/NDF: 3735669.4/22

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

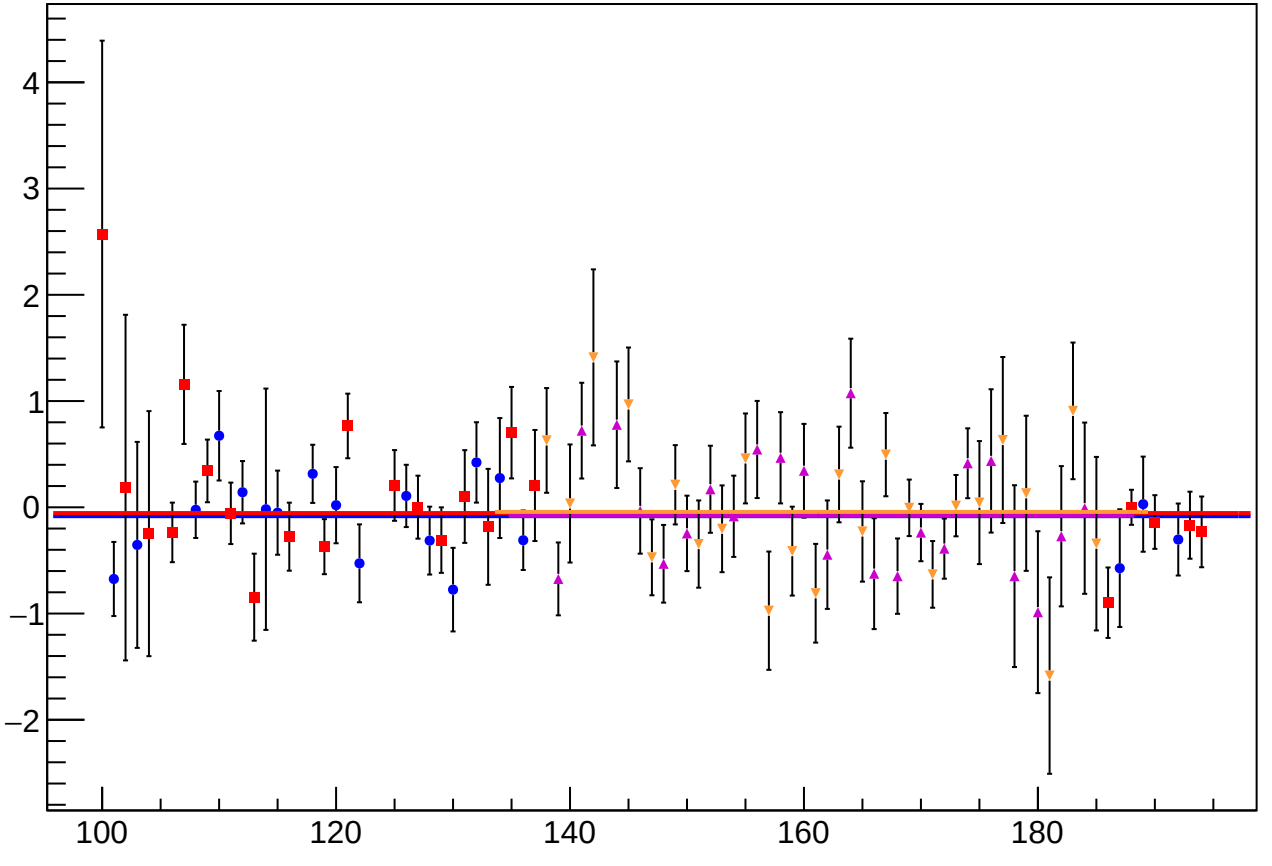
Right: 0.012+/-0.000 χ^2/NDF: 5996503.4/41

In: 0.010+/-0.000 χ^2/NDF:10379922.2/41

Out: 0.009+/-0.000 χ^2/NDF:13838558.5/46

All: 0.009+/-0.000 χ^2/NDF: 24263180.9/88

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.084+/-0.083 χ^2/NDF: 18.6/18

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.054+/-0.069 χ^2/NDF: 34.0/22

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

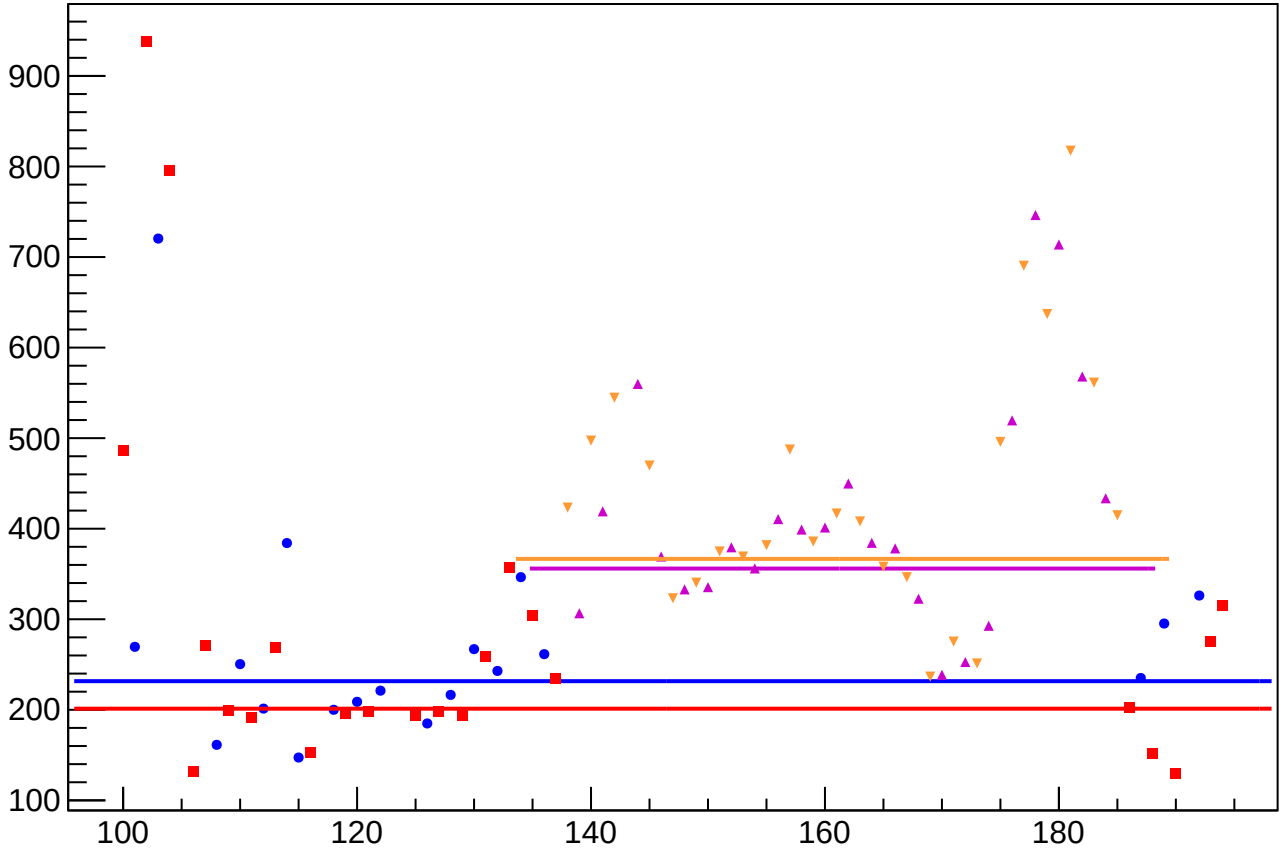
Right: -0.066+/-0.053 χ^2/NDF: 52.7/41

In: -0.082+/-0.060 χ^2/NDF:49.0/41

Out: -0.050+/-0.055 χ^2/NDF:65.0/46

All: -0.065+/-0.041 χ^2/NDF: 114.1/88

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 231.624+/-0.059 χ^2/NDF: 1235871.3/18

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 201.246+/-0.049 χ^2/NDF: 2253153.9/22

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

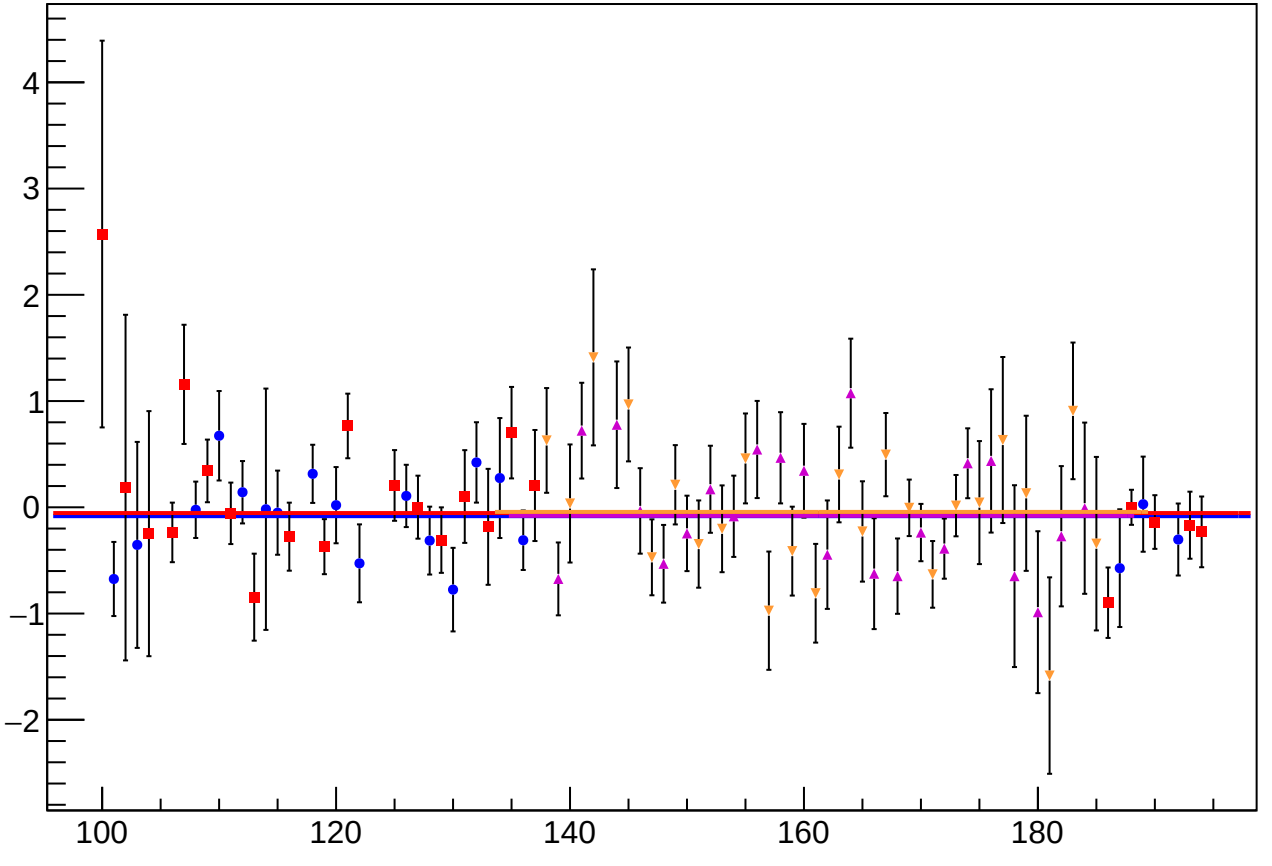
Right: 213.563+/-0.037 χ^2/NDF: 3647241.7/41

In: 290.549+/-0.043 χ^2/NDF:5769917.2/41

Out: 261.844+/-0.039 χ^2/NDF:9333039.1/46

All: 274.788+/-0.029 χ^2/NDF: 15350877.6/88

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.084+/-0.083 χ^2/NDF: 18.6/18

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.054+/-0.069 χ^2/NDF: 34.0/22

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

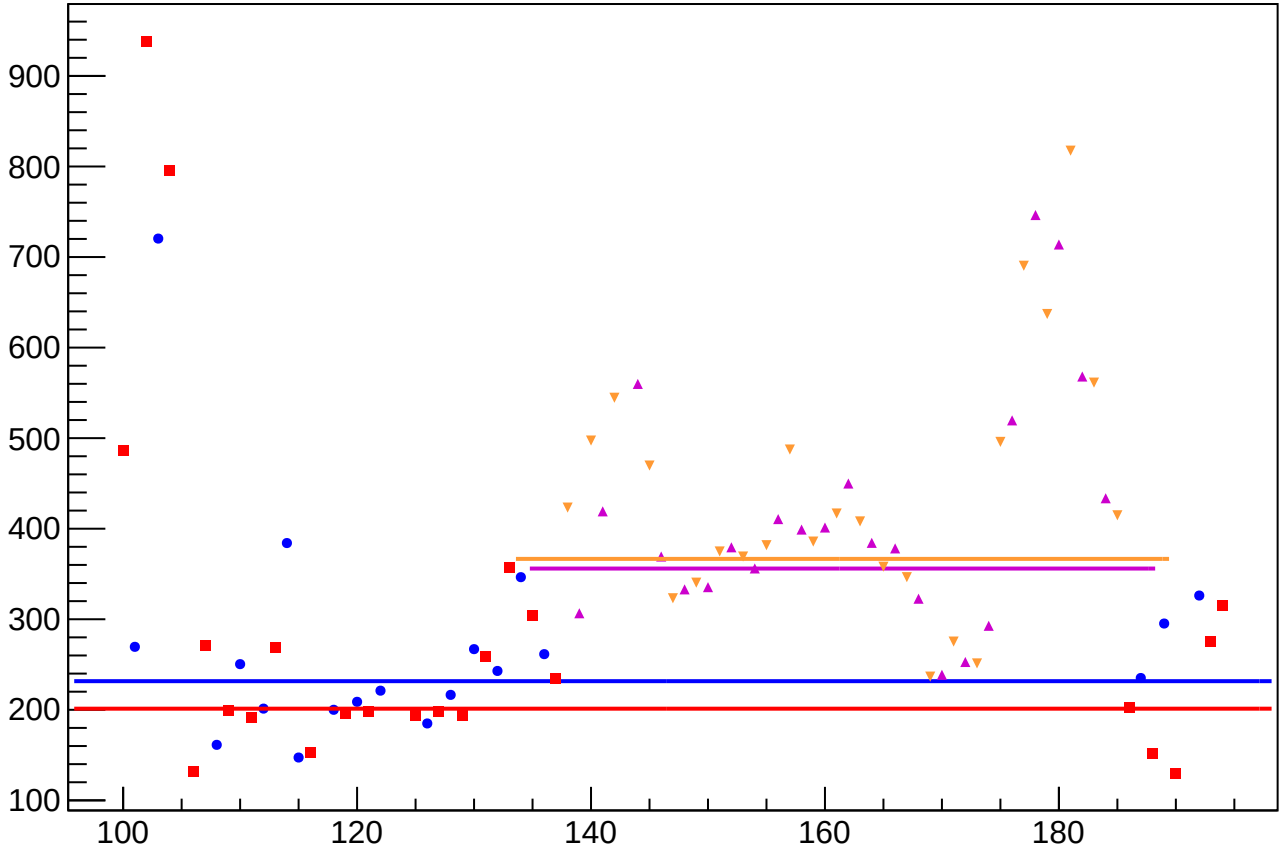
Right: -0.066+/-0.053 χ^2/NDF: 52.7/41

In: -0.082+/-0.060 χ^2/NDF:49.0/41

Out: -0.050+/-0.055 χ^2/NDF:65.0/46

All: -0.065+/-0.041 χ^2/NDF: 114.1/88

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 231.624+/-0.059 χ^2/NDF: 1235871.3/18

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 201.246+/-0.049 χ^2/NDF: 2253153.9/22

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

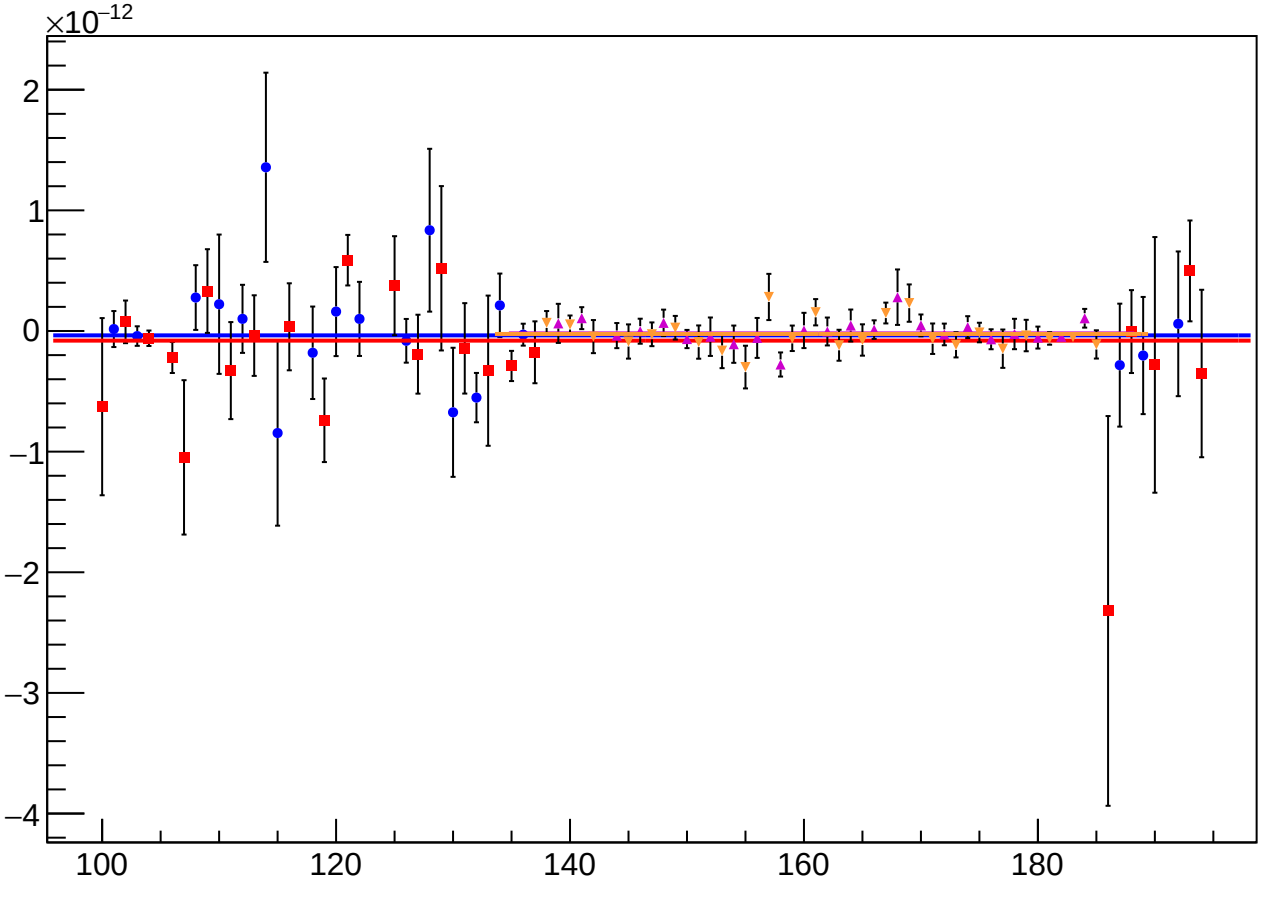
Right: 213.563+/-0.037 χ^2/NDF: 3647241.7/41

In: 290.549+/-0.043 χ^2/NDF:5769917.2/41

Out: 261.844+/-0.039 χ^2/NDF:9333039.1/46

All: 274.788+/-0.029 χ^2/NDF: 15350877.6/88

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 29.9/22

Left In: -0.000+/-0.000 χ^2/NDF:17.2/22

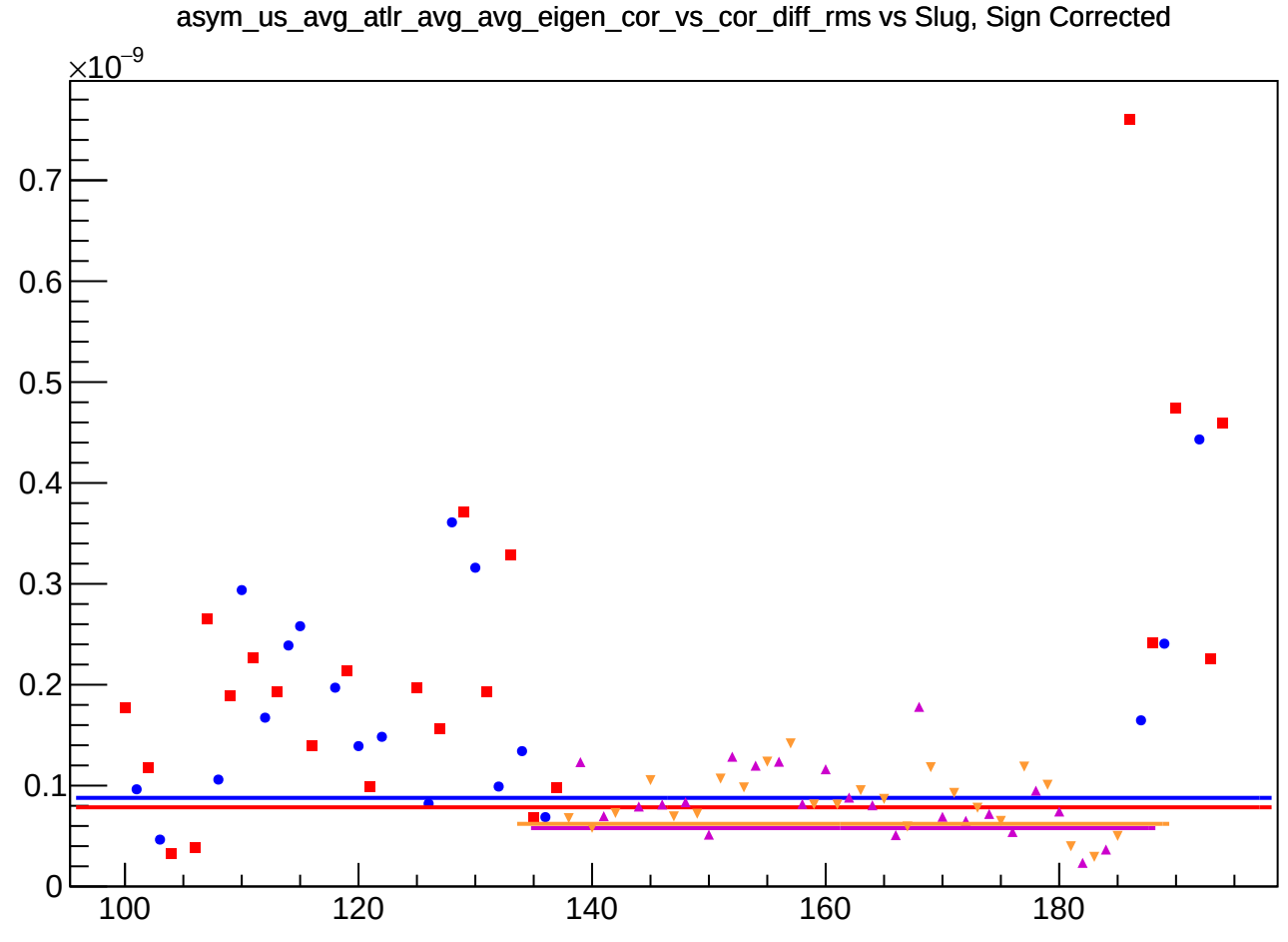
Left: -0.000+/-0.000 χ^2/NDF: 39.1/46

Right: -0.000+/-0.000 χ^2/NDF: 48.0/41

In: -0.000+/-0.000 χ^2/NDF:34.9/41

Out: -0.000+/-0.000 χ^2/NDF:53.1/46

All: -0.000+/-0.000 χ^2/NDF: 88.3/88



Right In: 0.000+/-0.000 χ^2/NDF: 3197066.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5734207.7/22

Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

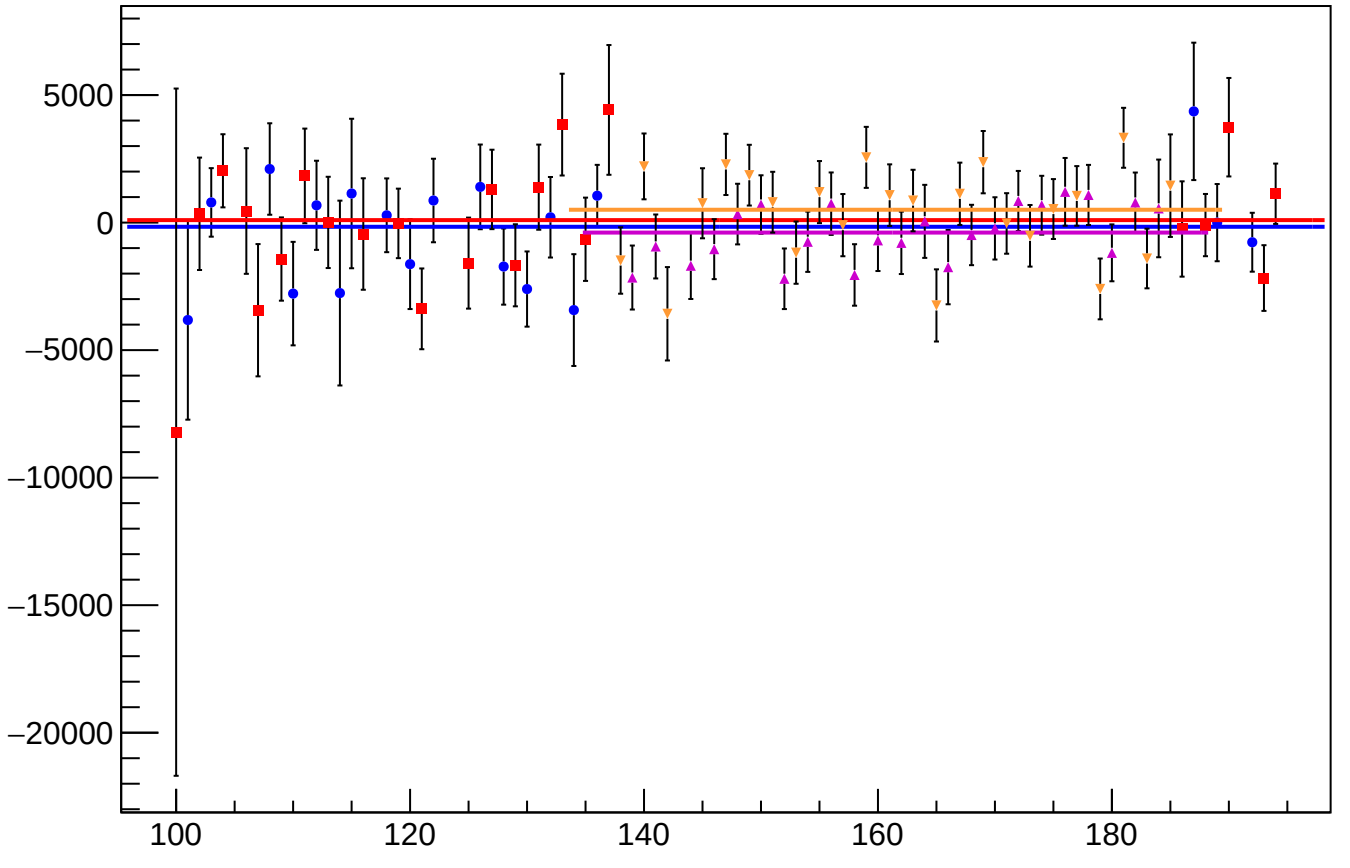
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 8974480.4/41

In: 0.000+/-0.000 χ^2/NDF:9428896.0/41

Out: 0.000+/-0.000 χ^2/NDF:10071166.9/46

All: 0.000+/-0.000 χ^2/NDF: 19527525.4/88



Right In: -164.129+/-384.783 χ^2/NDF: 17.9/18

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: 97.220+/-355.035 χ^2/NDF: 28.1/22

Left In: -391.701+/-257.386 χ^2/NDF:17.8/22

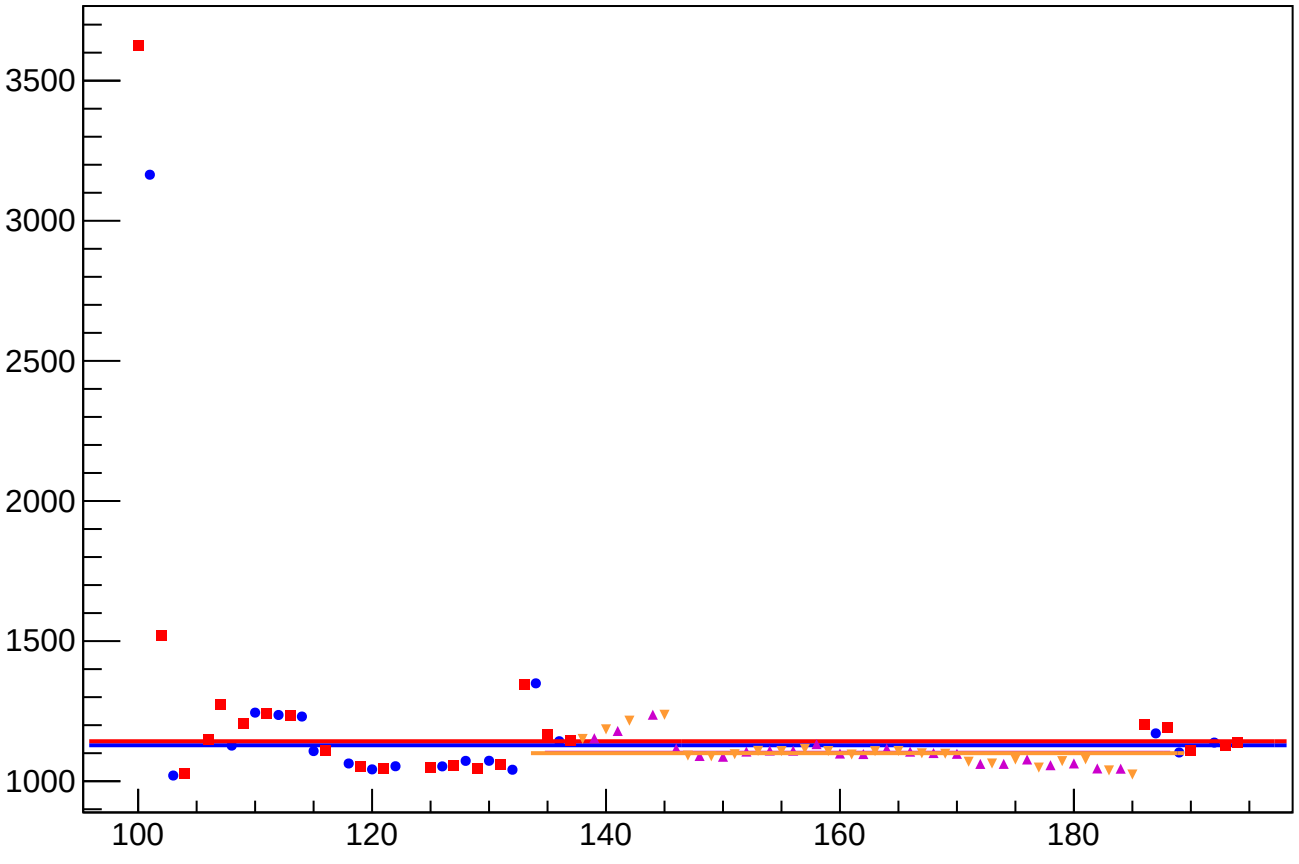
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: -22.963+/-260.931 χ^2/NDF: 46.3/41

In: -321.353+/-213.936 χ^2/NDF:36.0/41

Out: 364.928+/-207.398 χ^2/NDF:73.6/46

All: 32.435+/-148.910 χ^2/NDF: 114.8/88



Right In: 1128.326+/-0.272 χ^2/NDF: 622608.6/18

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1142.622+/-0.251 χ^2/NDF: 226658.8/22

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

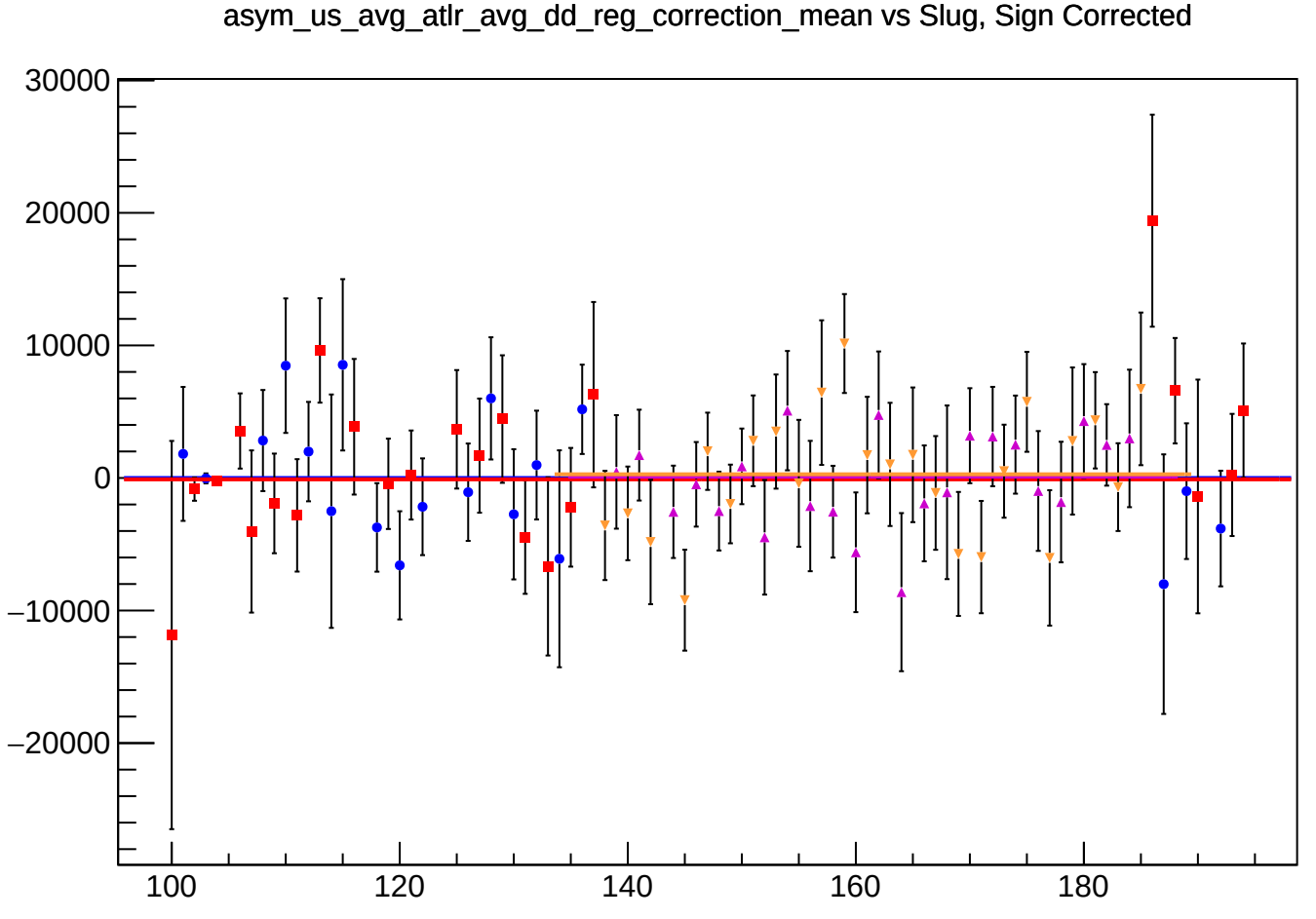
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1136.056+/-0.184 χ^2/NDF: 850760.2/41

In: 1109.813+/-0.151 χ^2/NDF:681455.7/41

Out: 1114.610+/-0.147 χ^2/NDF:304354.8/46

All: 1112.287+/-0.105 χ^2/NDF: 986329.0/88



Right In: -2.884+/-355.359 χ^2/NDF: 16.3/18

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

Right Out: -104.996+/-319.603 χ^2/NDF: 25.6/22

Left In: 94.734+/-817.223 χ^2/NDF:13.7/22

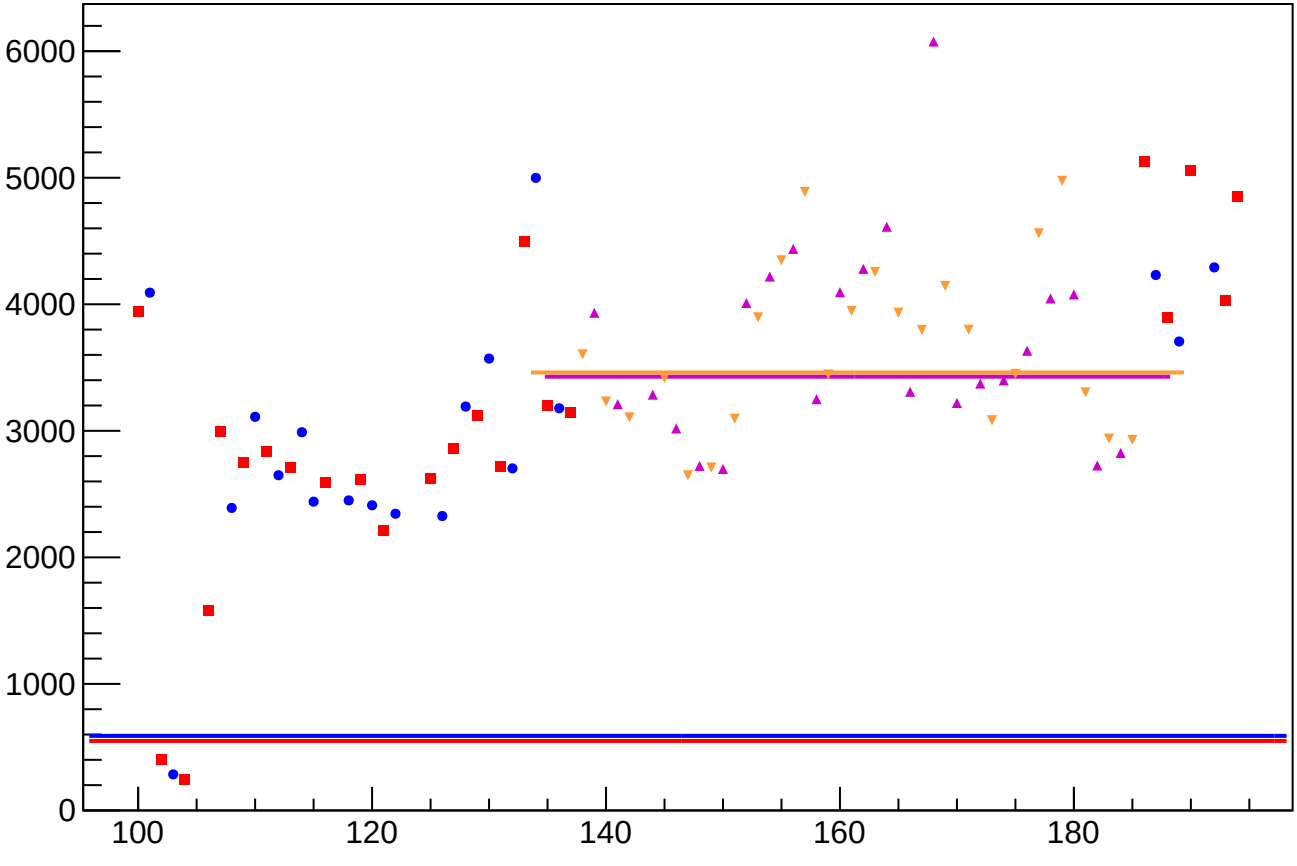
Left: 185.755+/-579.019 χ^2/NDF: 43.6/46

Right: -59.334+/-237.632 χ^2/NDF: 41.9/41

In: 12.639+/-325.882 χ^2/NDF:30.0/41

Out: -54.606+/-297.808 χ^2/NDF:55.6/46

All: -24.004+/-219.838 χ^2/NDF: 85.7/88



Right In: 589.321+/-0.251 χ^2/NDF: 12174691.2/18

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 549.229+/-0.226 χ^2/NDF: 14458786.9/22

Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

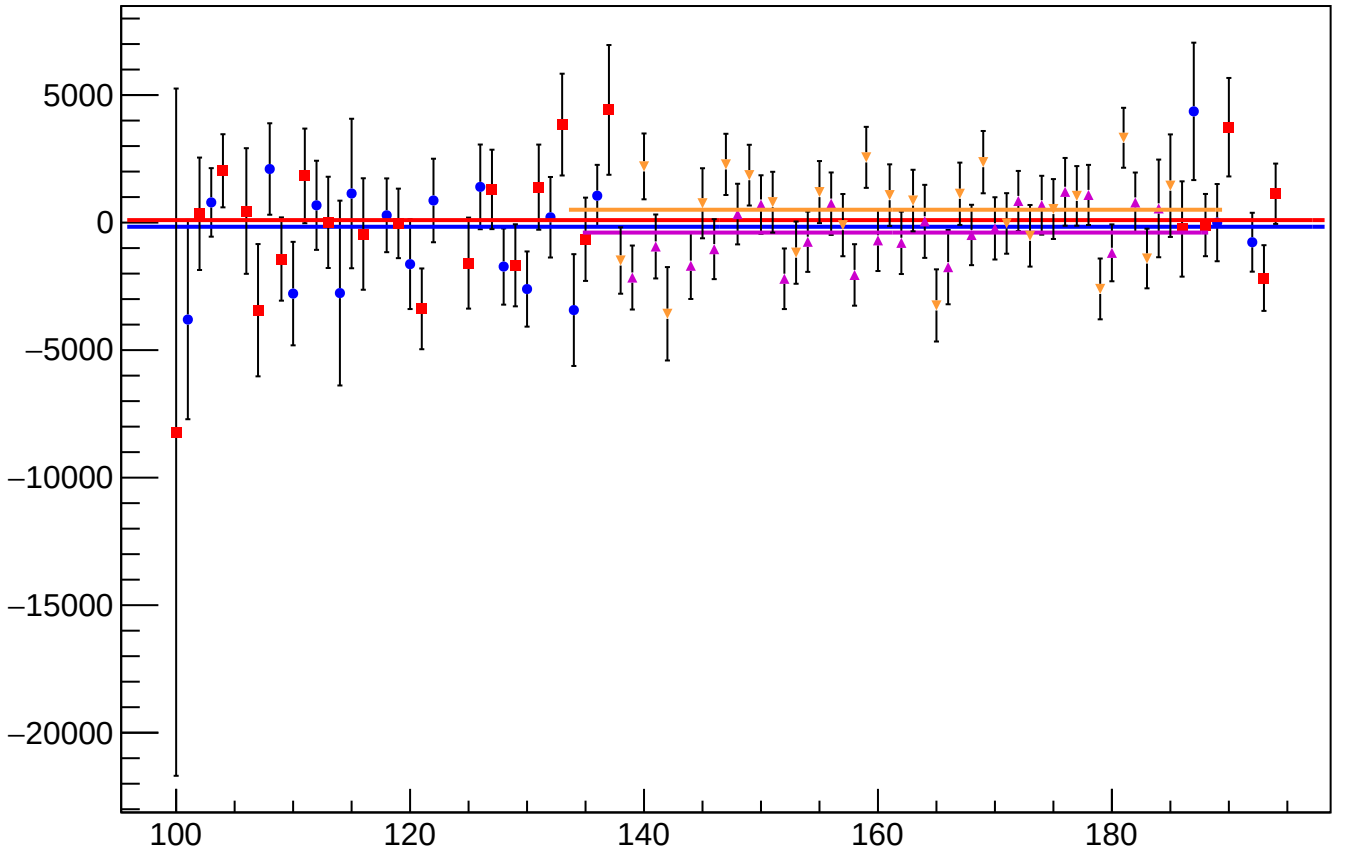
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

Right: 567.157+/-0.168 χ^2/NDF: 26647551.2/41

In: 1040.694+/-0.230 χ^2/NDF:33709902.9/41

Out: 932.856+/-0.211 χ^2/NDF:37390738.9/46

All: 981.931+/-0.155 χ^2/NDF: 71219981.0/88



Right In: -163.963+/-384.783 χ^2/NDF: 17.9/18

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 97.318+/-355.035 χ^2/NDF: 28.2/22

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

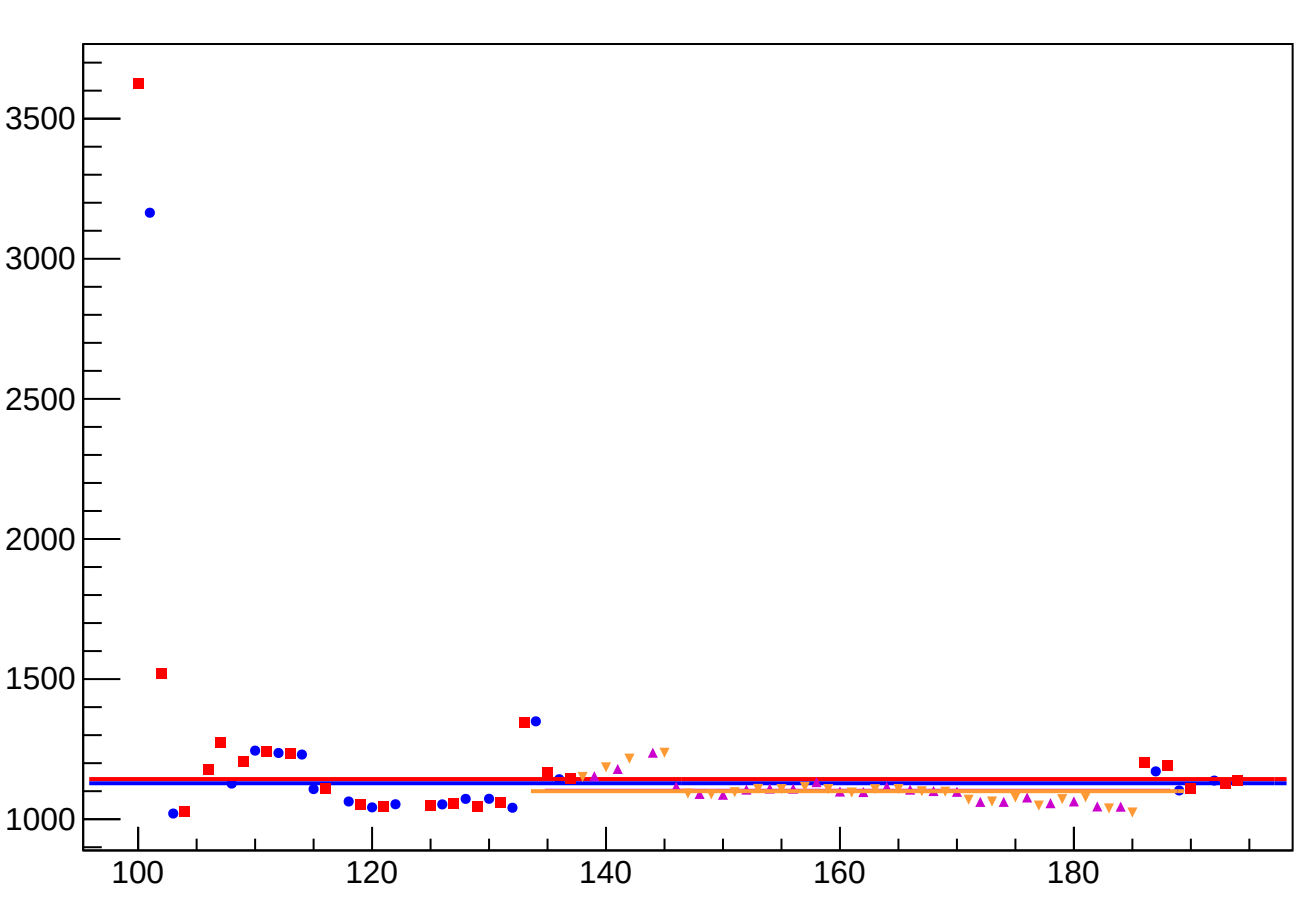
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: -22.833+/-260.931 χ^2/NDF: 46.3/41

In: -321.293+/-213.936 χ^2/NDF:35.9/41

Out: 365.010+/-207.398 χ^2/NDF:73.6/46

All: 32.506+/-148.910 χ^2/NDF: 114.8/88



Right In: 1128.326+/-0.272 χ^2/NDF: 622609.8/18

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1143.283+/-0.251 χ^2/NDF: 227083.8/22

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

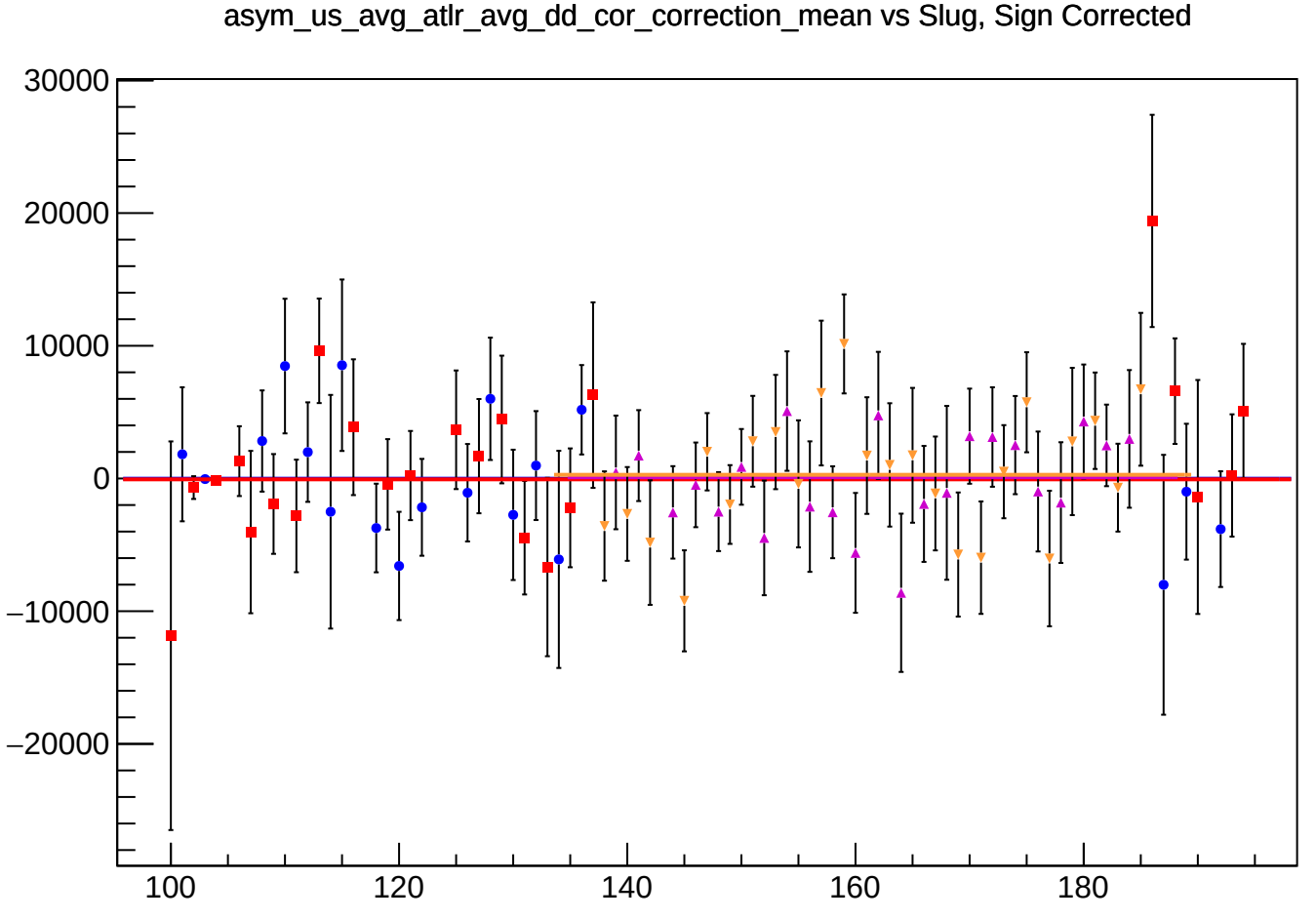
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1136.407+/-0.184 χ^2/NDF: 851326.3/41

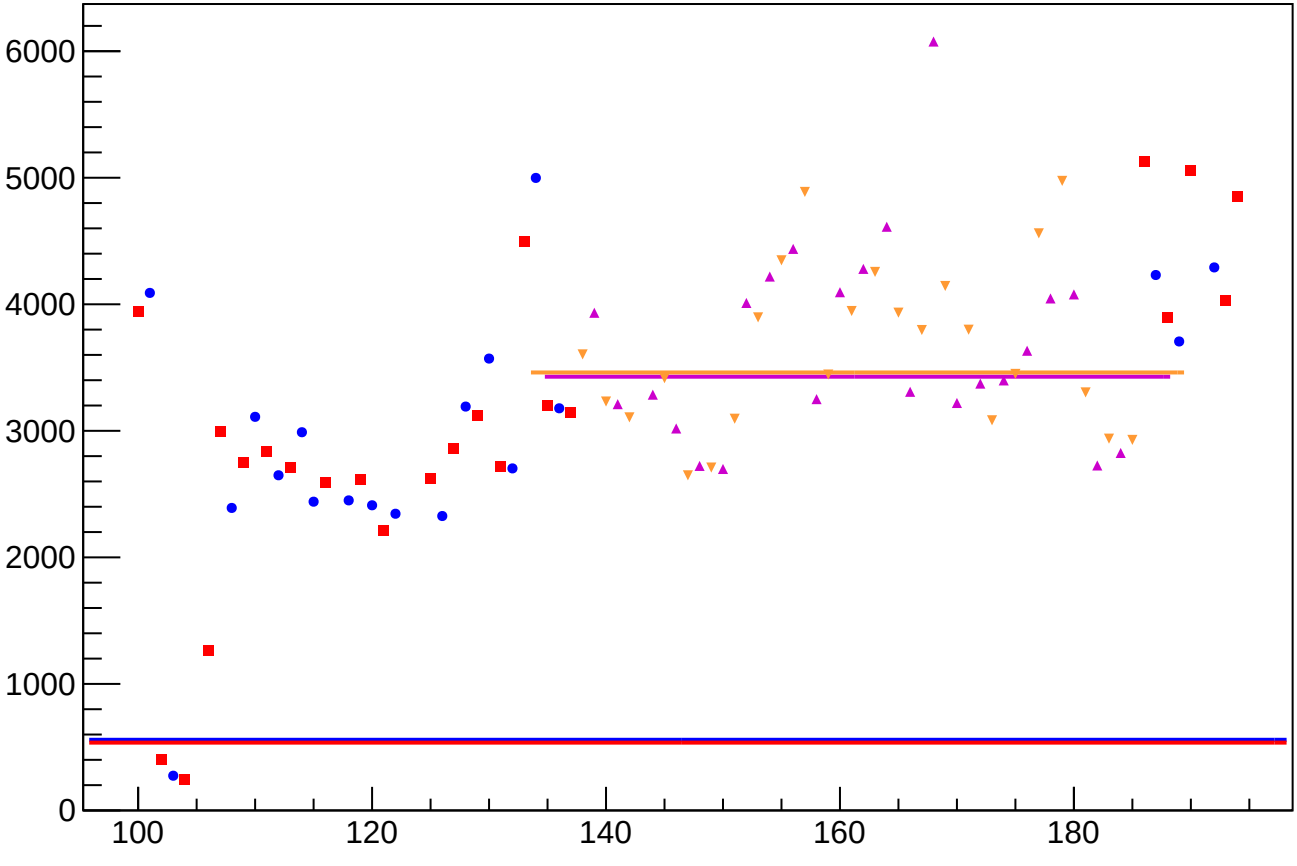
In: 1109.813+/-0.151 χ^2/NDF:681456.7/41

Out: 1114.819+/-0.147 χ^2/NDF:305351.2/46

All: 1112.394+/-0.105 χ^2/NDF: 987372.5/88


asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
Right In: -16.410+/-342.475 χ²/NDF: 16.3/18
Left Out: 277.536+/-820.502 χ²/NDF:29.9/23
Right Out: -63.408+/-314.563 χ²/NDF: 23.9/22
Left In: 94.742+/-817.222 χ²/NDF:13.7/22
Left: 185.773+/-579.019 χ²/NDF: 43.6/46
Right: -41.902+/-231.670 χ²/NDF: 40.2/41
In: 0.195+/-315.860 χ²/NDF:30.0/41
Out: -19.717+/-293.718 χ²/NDF:53.9/46
All: -10.484+/-215.092 χ²/NDF: 83.9/88

asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 558.412+/-0.242 χ^2/NDF: 12368310.1/18

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 536.044+/-0.222 χ^2/NDF: 14415198.5/22

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

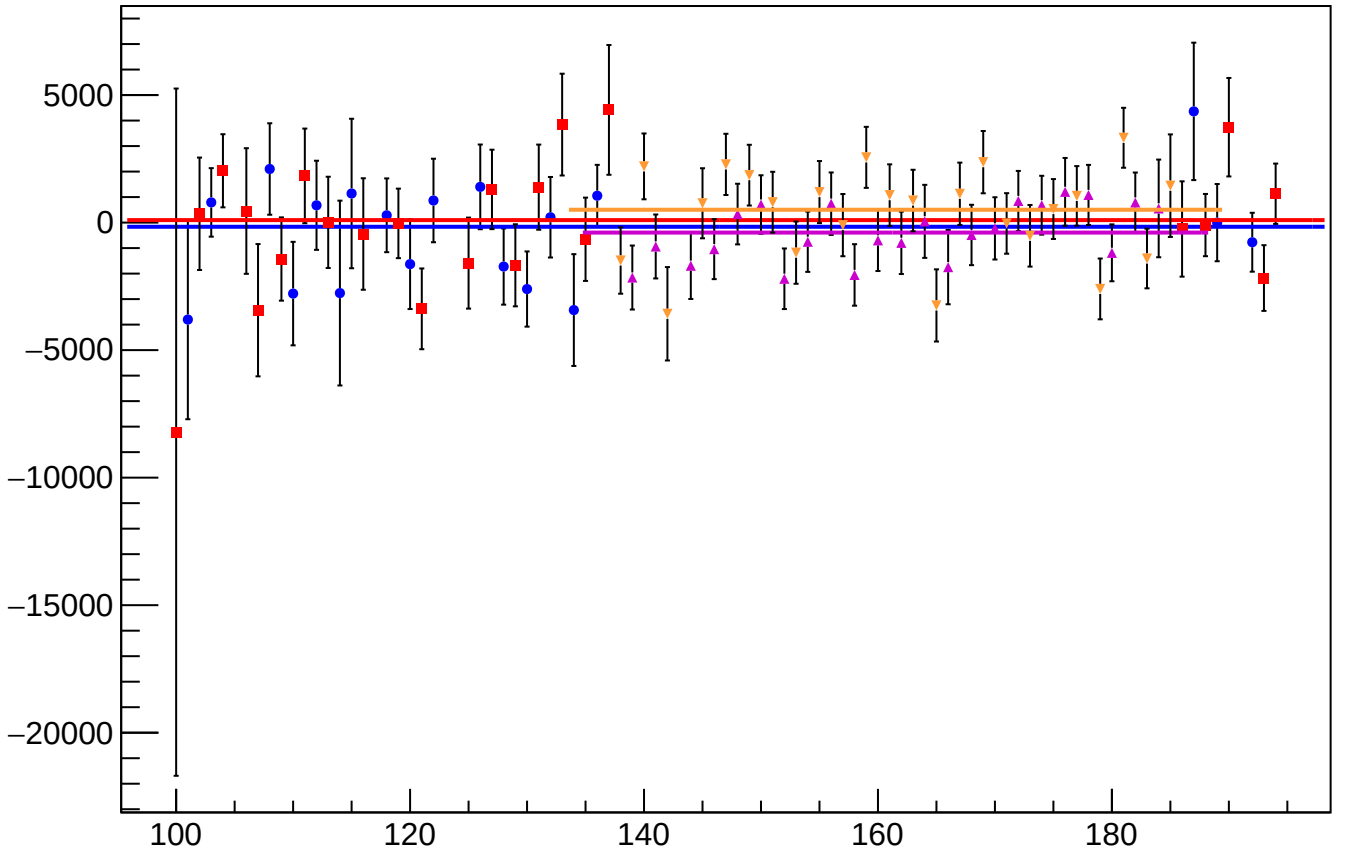
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 546.279+/-0.164 χ^2/NDF: 26788136.0/41

In: 987.066+/-0.223 χ^2/NDF:34585305.1/41

Out: 910.896+/-0.208 χ^2/NDF:37637044.0/46

All: 946.218+/-0.152 χ^2/NDF: 72284722.3/88



Right In: -163.963+/-384.783 χ^2/NDF: 17.9/18

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 97.318+/-355.035 χ^2/NDF: 28.2/22

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

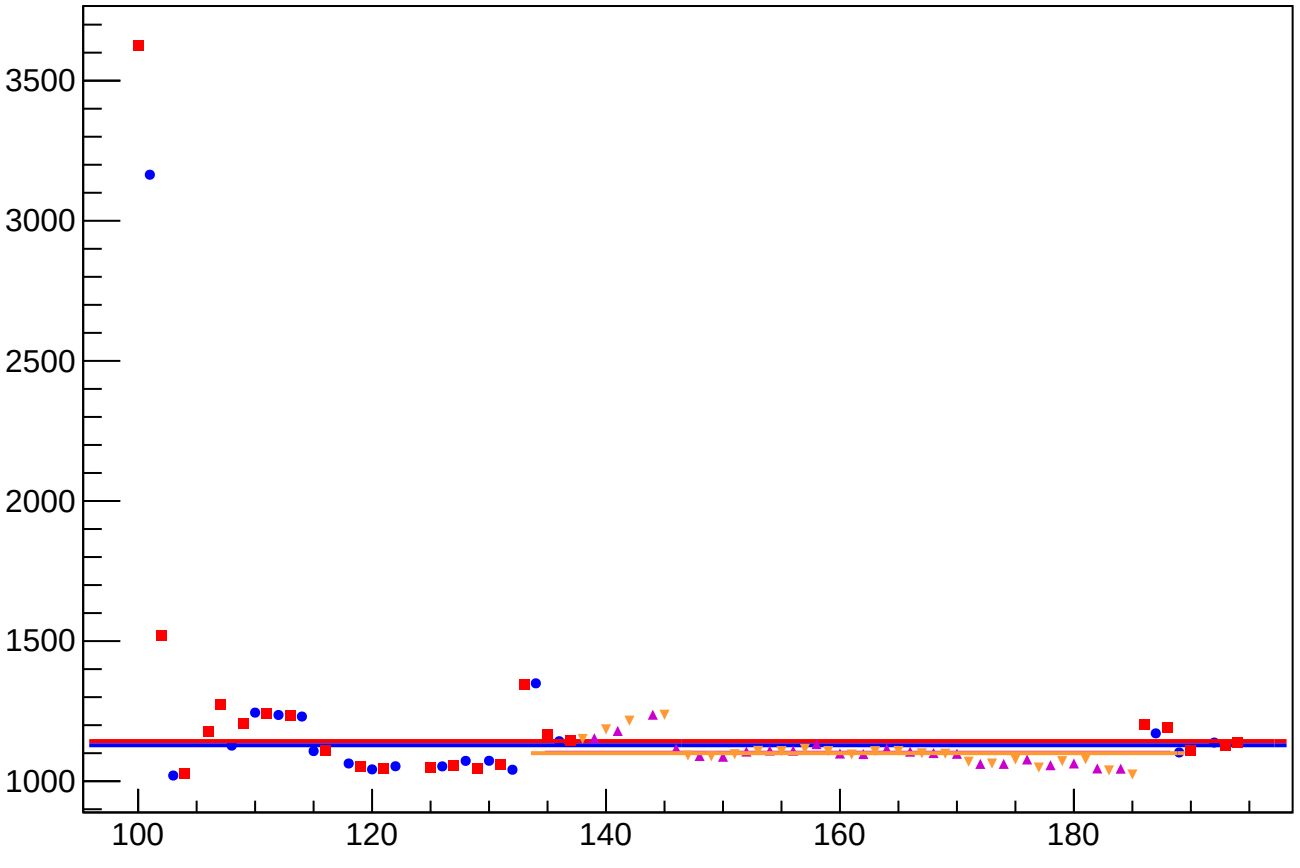
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: -22.833+/-260.931 χ^2/NDF: 46.3/41

In: -321.293+/-213.936 χ^2/NDF:35.9/41

Out: 365.010+/-207.398 χ^2/NDF:73.6/46

All: 32.506+/-148.910 χ^2/NDF: 114.8/88



Right In: 1128.326+/-0.272 χ^2/NDF: 622609.8/18

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1143.283+/-0.251 χ^2/NDF: 227083.8/22

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

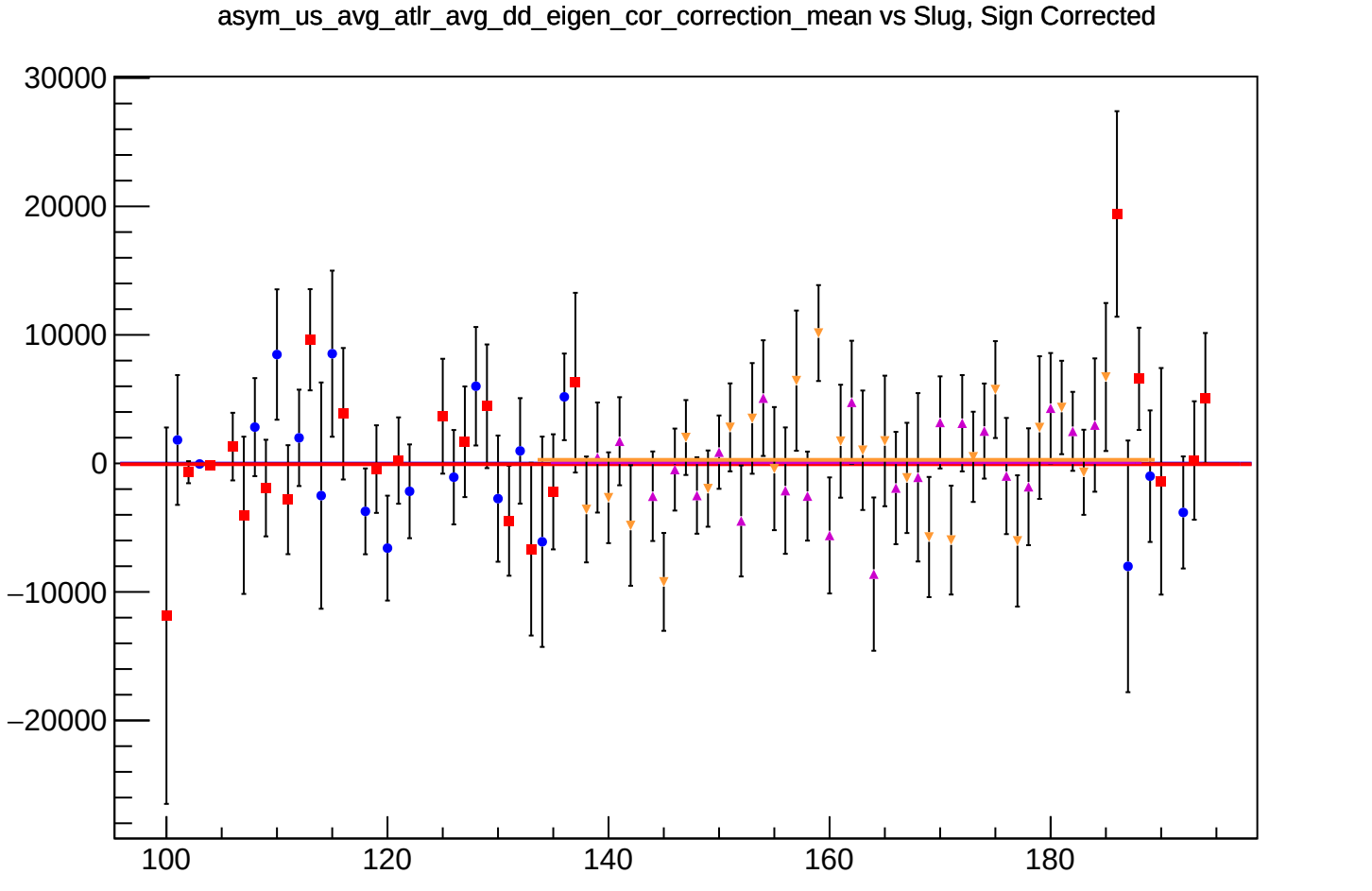
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1136.407+/-0.184 χ^2/NDF: 851326.3/41

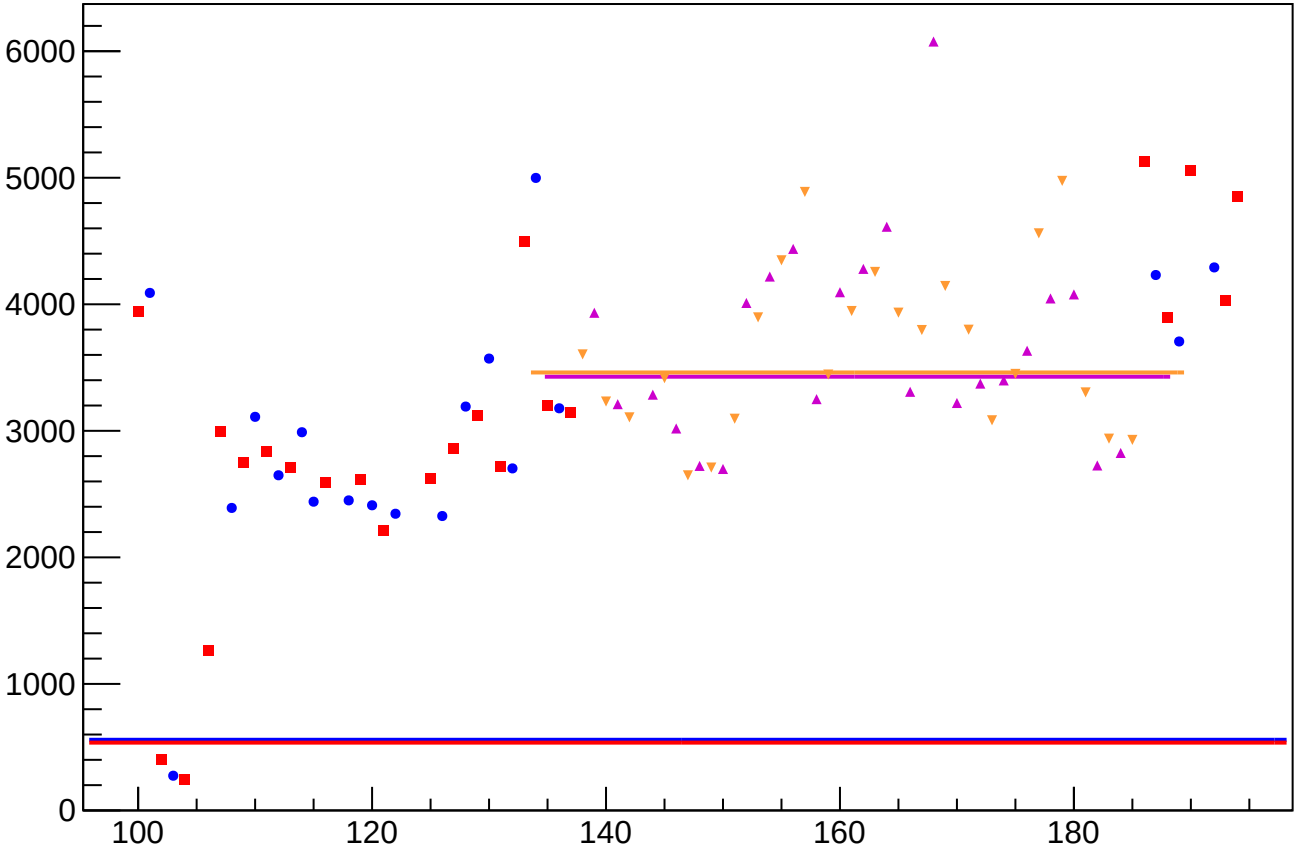
In: 1109.813+/-0.151 χ^2/NDF:681456.7/41

Out: 1114.819+/-0.147 χ^2/NDF:305351.2/46

All: 1112.394+/-0.105 χ^2/NDF: 987372.5/88


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
Right In: -16.410+/-342.475 χ²/NDF: 16.3/18
Left Out: 277.536+/-820.502 χ²/NDF:29.9/23
Right Out: -63.408+/-314.563 χ²/NDF: 23.9/22
Left In: 94.742+/-817.222 χ²/NDF:13.7/22
Left: 185.773+/-579.019 χ²/NDF: 43.6/46
Right: -41.902+/-231.670 χ²/NDF: 40.2/41
In: 0.195+/-315.860 χ²/NDF:30.0/41
Out: -19.717+/-293.718 χ²/NDF:53.9/46
All: -10.484+/-215.092 χ²/NDF: 83.9/88

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 558.412+/-0.242 χ^2/NDF: 12368310.1/18

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 536.044+/-0.222 χ^2/NDF: 14415198.5/22

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

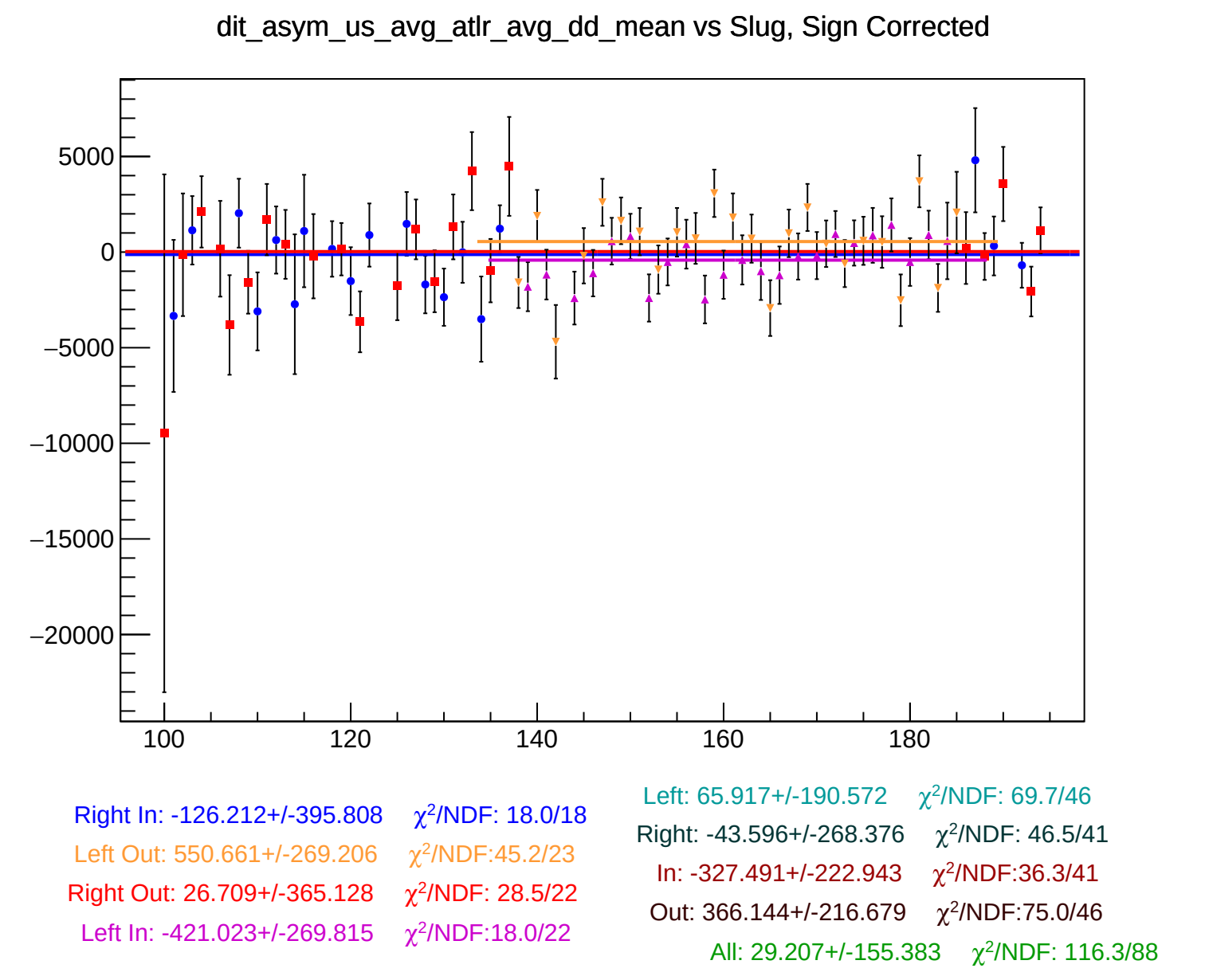
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

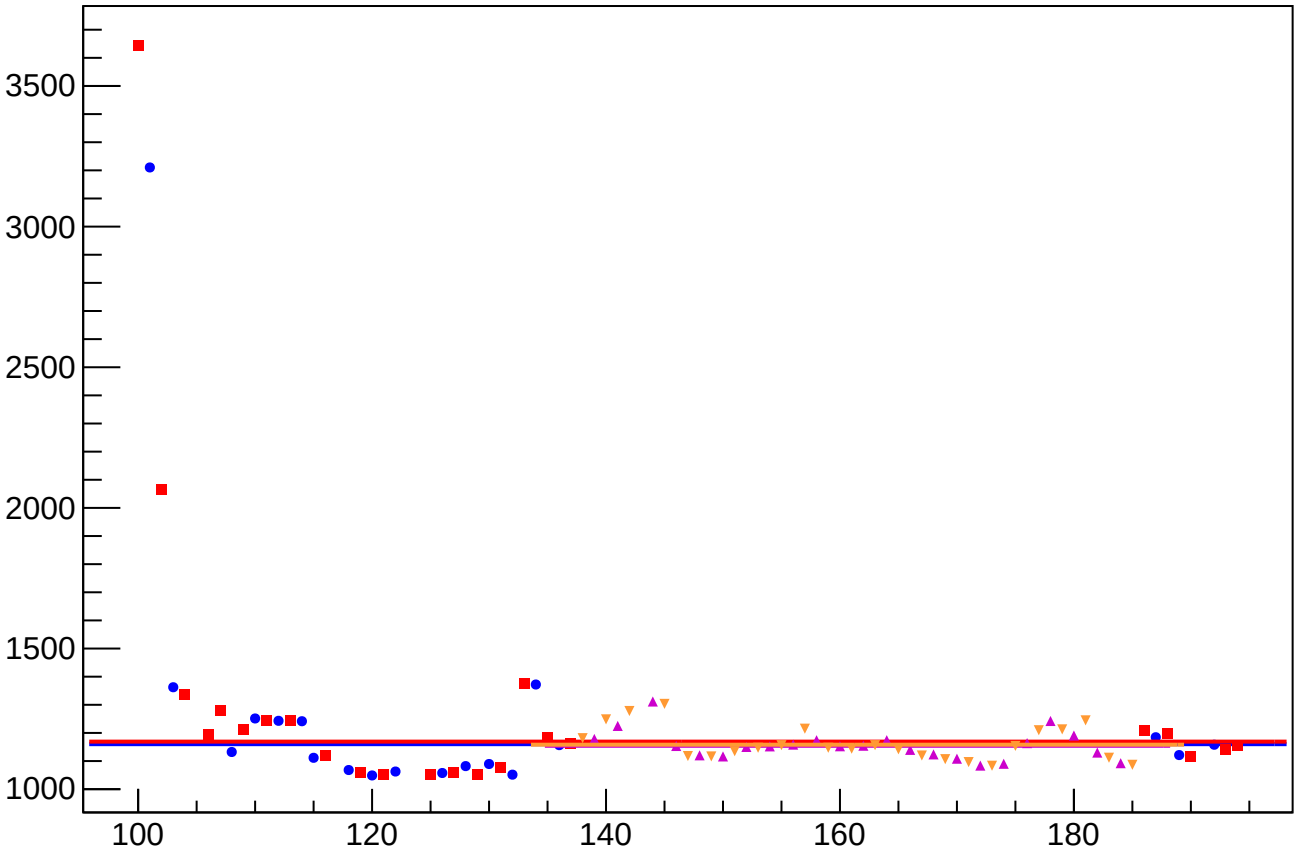
Right: 546.279+/-0.164 χ^2/NDF: 26788136.0/41

In: 987.066+/-0.223 χ^2/NDF:34585305.1/41

Out: 910.896+/-0.208 χ^2/NDF:37637044.0/46

All: 946.218+/-0.152 χ^2/NDF: 72284722.3/88


dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
Right In: -126.212+/-395.808 χ²/NDF: 18.0/18
Left Out: 550.661+/-269.206 χ²/NDF:45.2/23
Right Out: 26.709+/-365.128 χ²/NDF: 28.5/22
Left In: -421.023+/-269.815 χ²/NDF:18.0/22
Left: 65.917+/-190.572 χ²/NDF: 69.7/46
Right: -43.596+/-268.376 χ²/NDF: 46.5/41
In: -327.491+/-222.943 χ²/NDF:36.3/41
Out: 366.144+/-216.679 χ²/NDF:75.0/46
All: 29.207+/-155.383 χ²/NDF: 116.3/88



Right In: 1160.025+/-0.280 χ^2/NDF: 636867.0/18

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

Right Out: 1169.118+/-0.258 χ^2/NDF: 336411.5/22

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

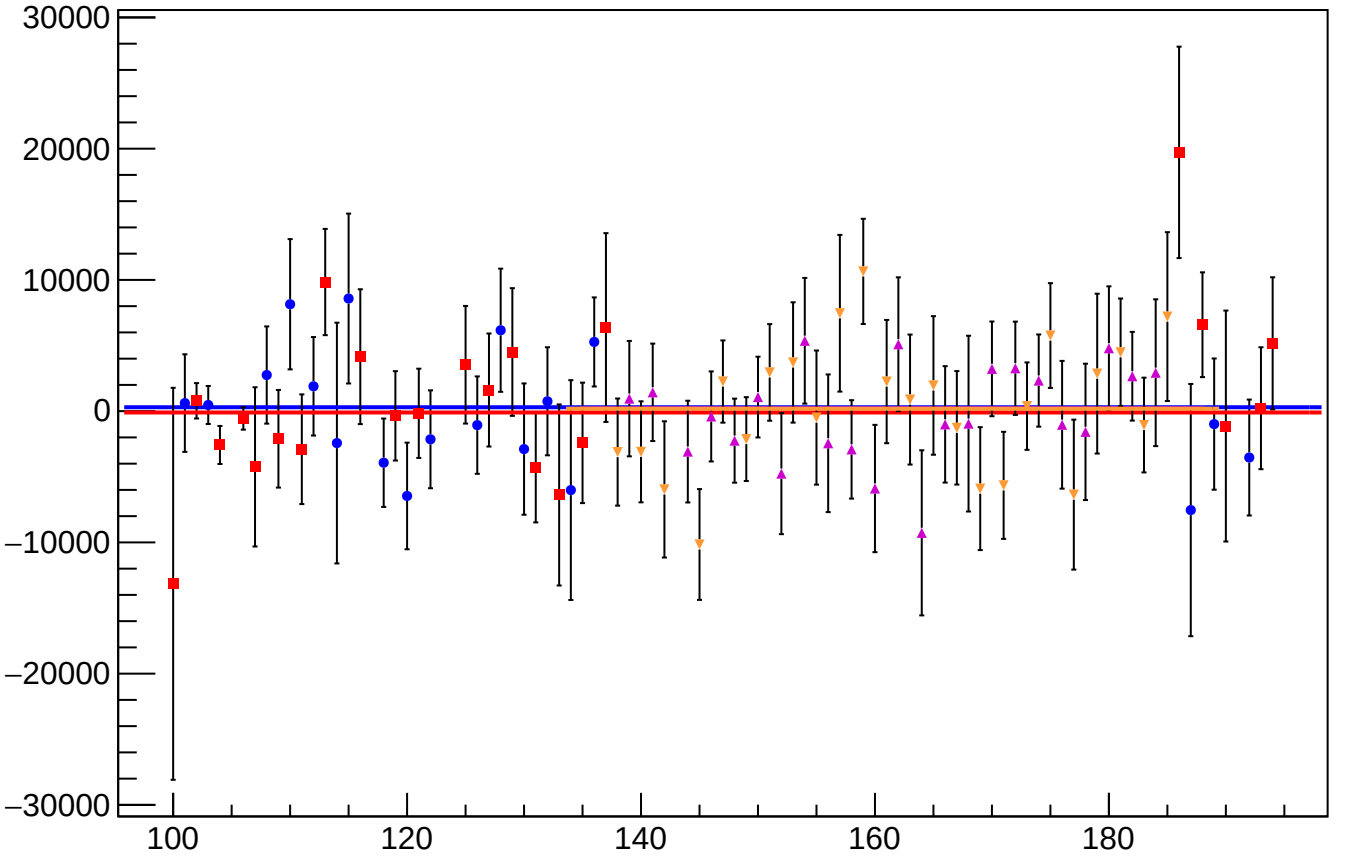
Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

Right: 1164.939+/-0.190 χ^2/NDF: 973848.9/41

In: 1156.069+/-0.158 χ^2/NDF:703636.5/41

Out: 1162.031+/-0.153 χ^2/NDF:421687.1/46

All: 1159.135+/-0.110 χ^2/NDF: 1126059.4/88



Right In: 298.323+/-841.899 χ^2/NDF: 16.0/18

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

Right Out: -101.295+/-550.501 χ^2/NDF: 26.9/22

Left In: 221.361+/-864.775 χ^2/NDF:13.4/22

Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

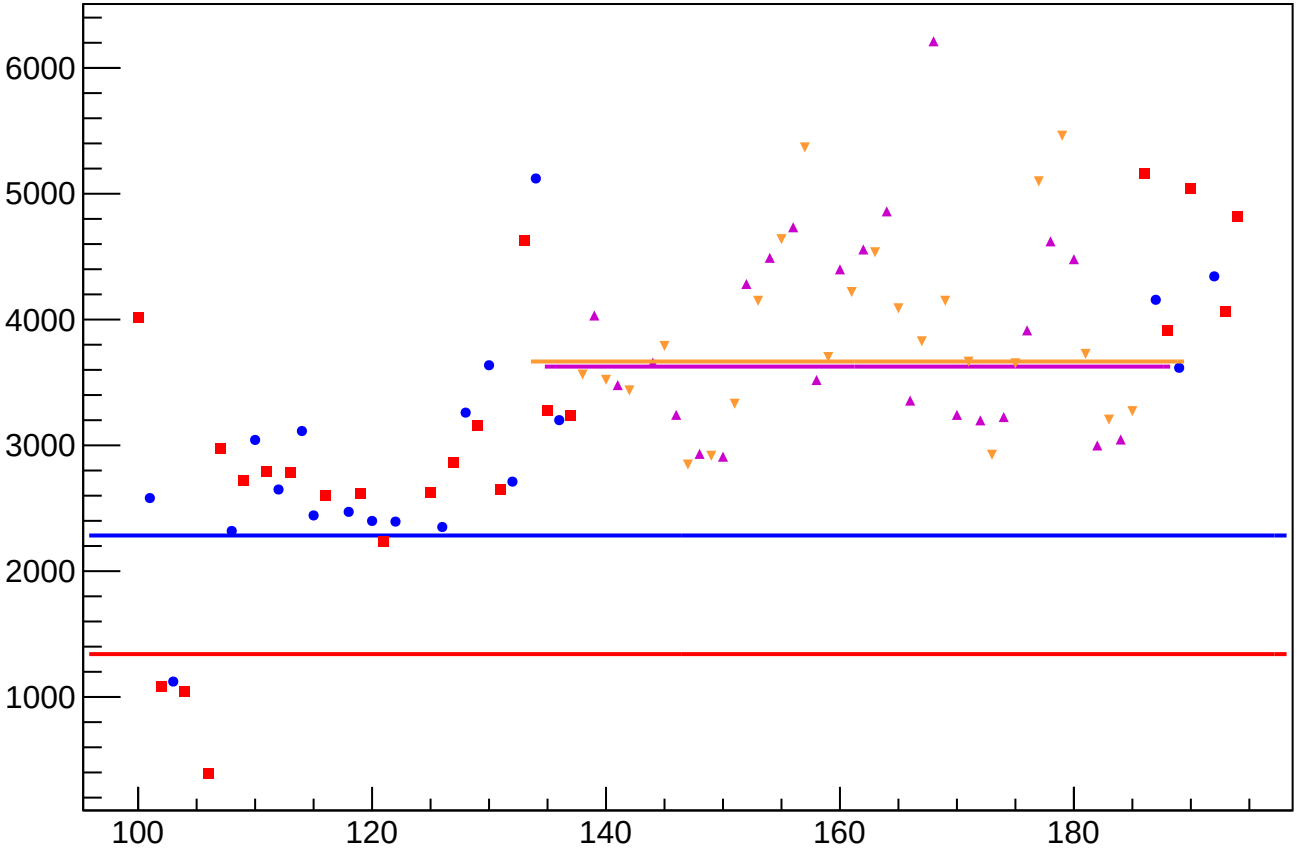
Right: 18.392+/-460.745 χ^2/NDF: 43.0/41

In: 260.873+/-603.238 χ^2/NDF:29.4/41

Out: -18.009+/-465.107 χ^2/NDF:56.3/46

All: 85.967+/-368.337 χ^2/NDF: 85.8/88

asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 2283.568+/-0.595 χ^2/NDF: 2677081.4/18

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1340.698+/-0.389 χ^2/NDF: 9272698.0/22

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

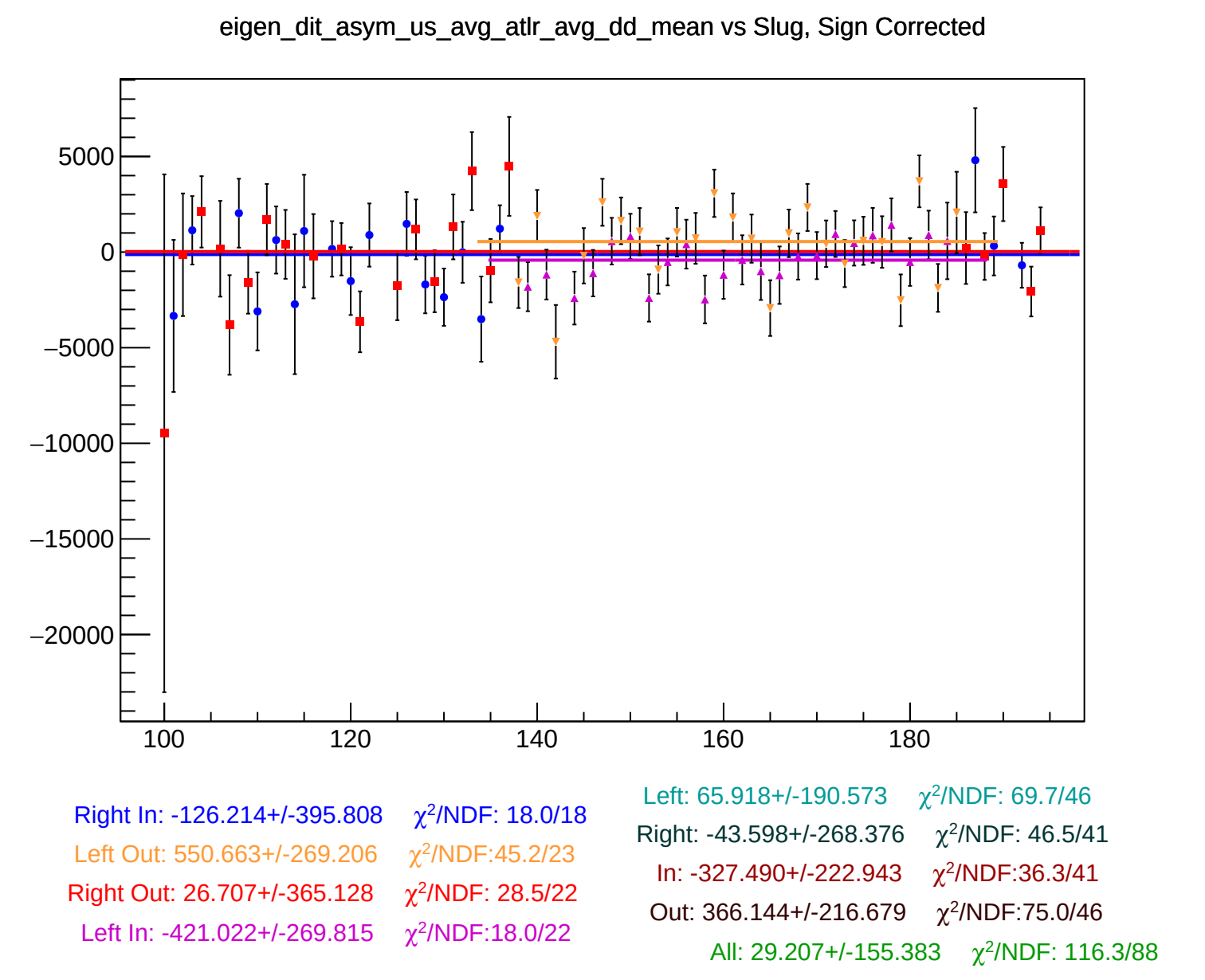
Left: 3646.129+/-0.434 χ^2/NDF: 2355951.7/46

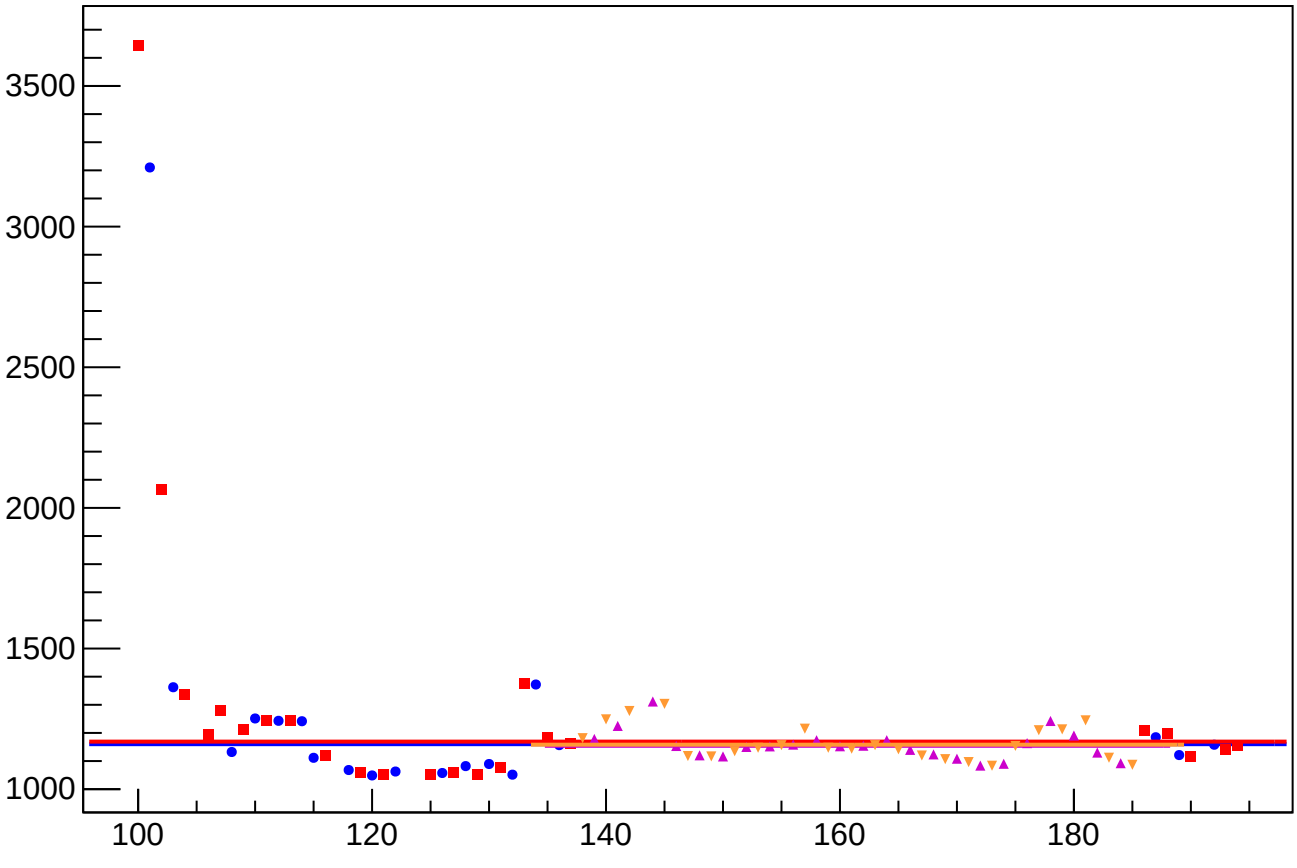
Right: 1623.091+/-0.326 χ^2/NDF: 13706970.2/41

In: 2936.764+/-0.427 χ^2/NDF:6409162.4/41

Out: 2006.299+/-0.329 χ^2/NDF:20585158.8/46

All: 2353.206+/-0.260 χ^2/NDF: 29978580.6/8


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
Right In: -126.214+/-395.808 χ²/NDF: 18.0/18
Left Out: 550.663+/-269.206 χ²/NDF:45.2/23
Right Out: 26.707+/-365.128 χ²/NDF: 28.5/22
Left In: -421.022+/-269.815 χ²/NDF:18.0/22
Left: 65.918+/-190.573 χ²/NDF: 69.7/46
Right: -43.598+/-268.376 χ²/NDF: 46.5/41
In: -327.490+/-222.943 χ²/NDF:36.3/41
Out: 366.144+/-216.679 χ²/NDF:75.0/46
All: 29.207+/-155.383 χ²/NDF: 116.3/88



Right In: 1160.024+/-0.280 χ^2/NDF: 636867.2/18

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

Right Out: 1169.118+/-0.258 χ^2/NDF: 336411.1/22

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

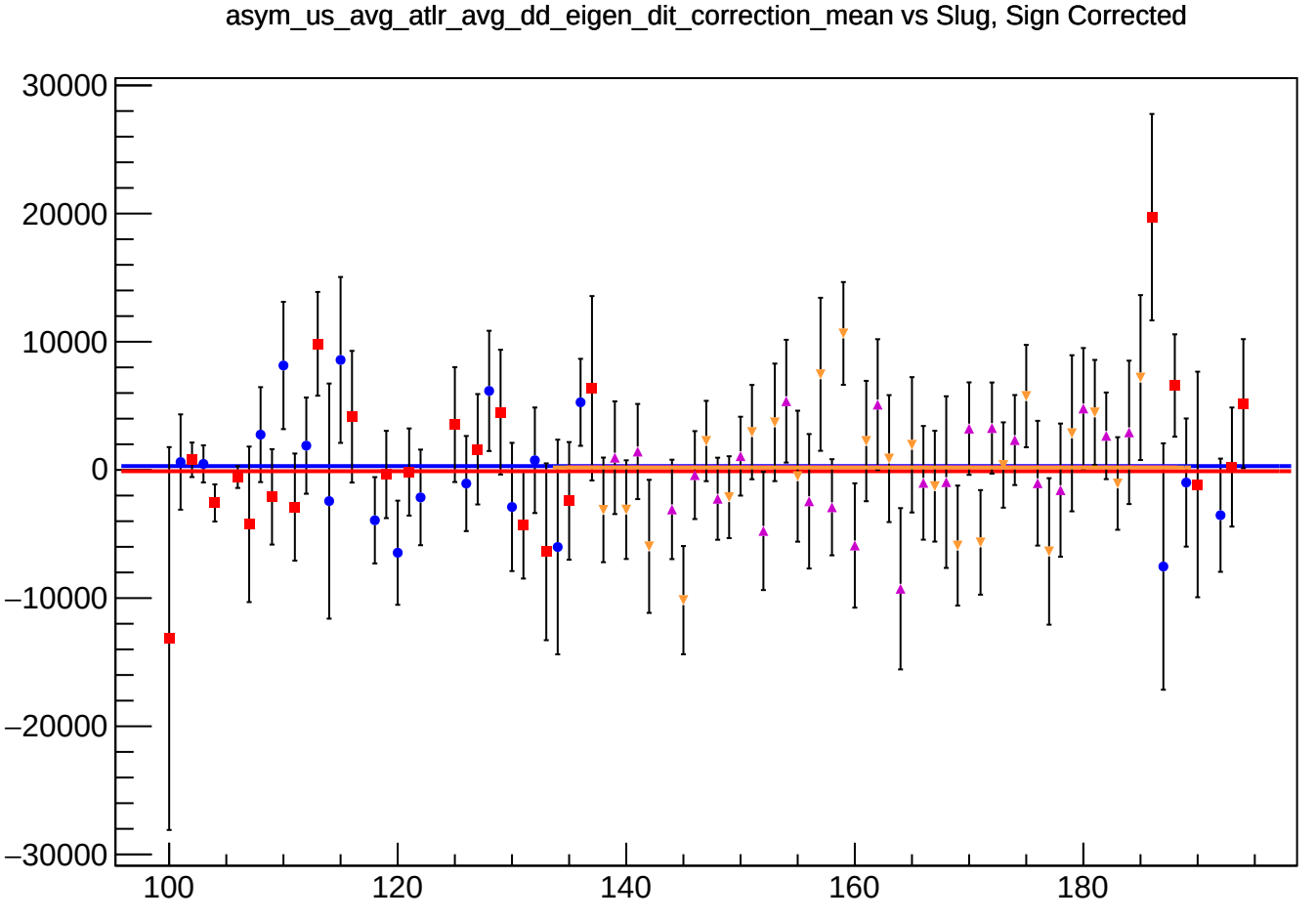
Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

Right: 1164.939+/-0.190 χ^2/NDF: 973848.8/41

In: 1156.069+/-0.158 χ^2/NDF:703639.1/41

Out: 1162.032+/-0.153 χ^2/NDF:421689.0/46

All: 1159.136+/-0.110 χ^2/NDF: 1126063.9/88



Right In: 298.317+/-841.898 χ^2/NDF: 16.0/18

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

Right Out: -101.303+/-550.494 χ^2/NDF: 26.9/22

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

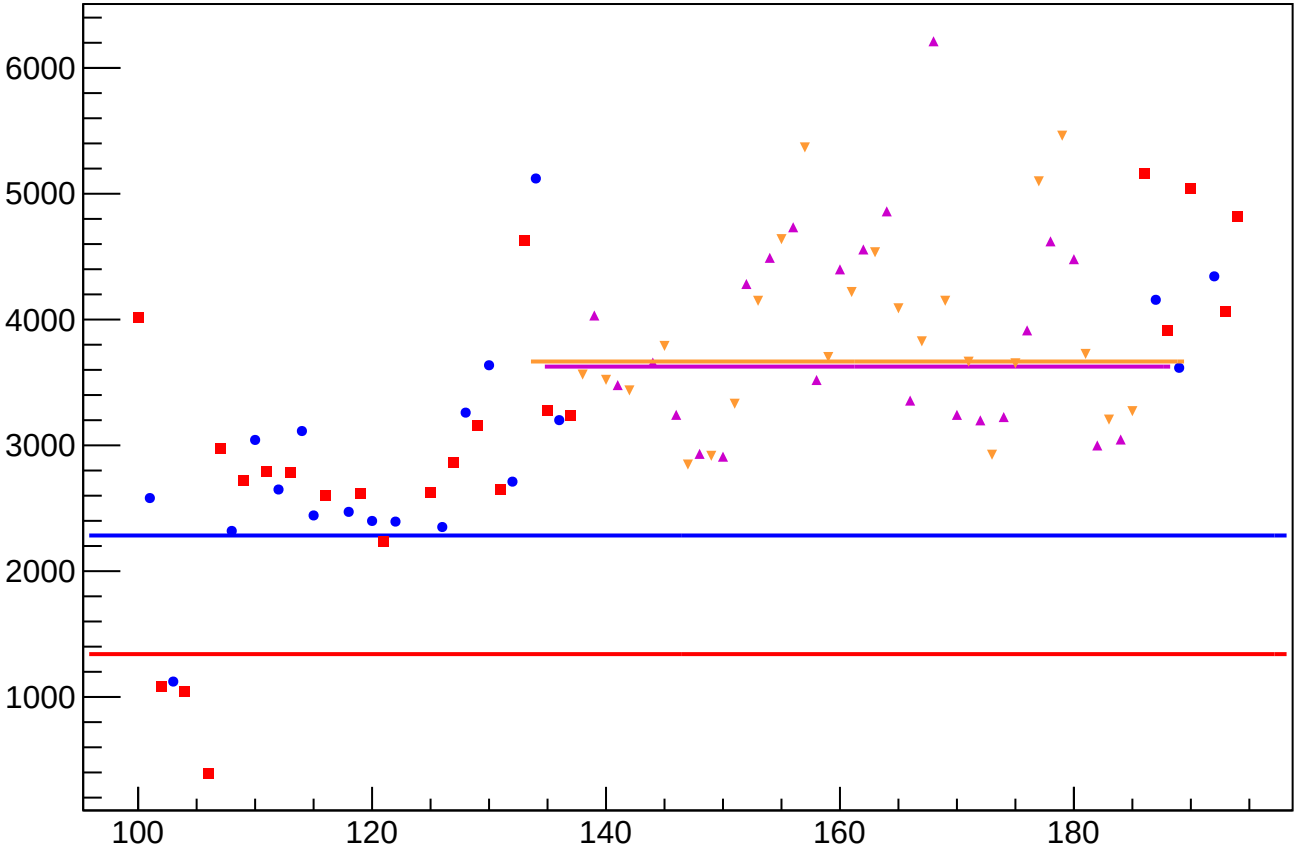
Right: 18.383+/-460.741 χ^2/NDF: 43.0/41

In: 260.872+/-603.238 χ^2/NDF:29.4/41

Out: -18.016+/-465.104 χ^2/NDF:56.3/46

All: 85.961+/-368.335 χ^2/NDF: 85.8/88

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2283.565+/-0.595 χ^2/NDF: 2677083.0/18

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1340.673+/-0.389 χ^2/NDF: 9272882.0/22

Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

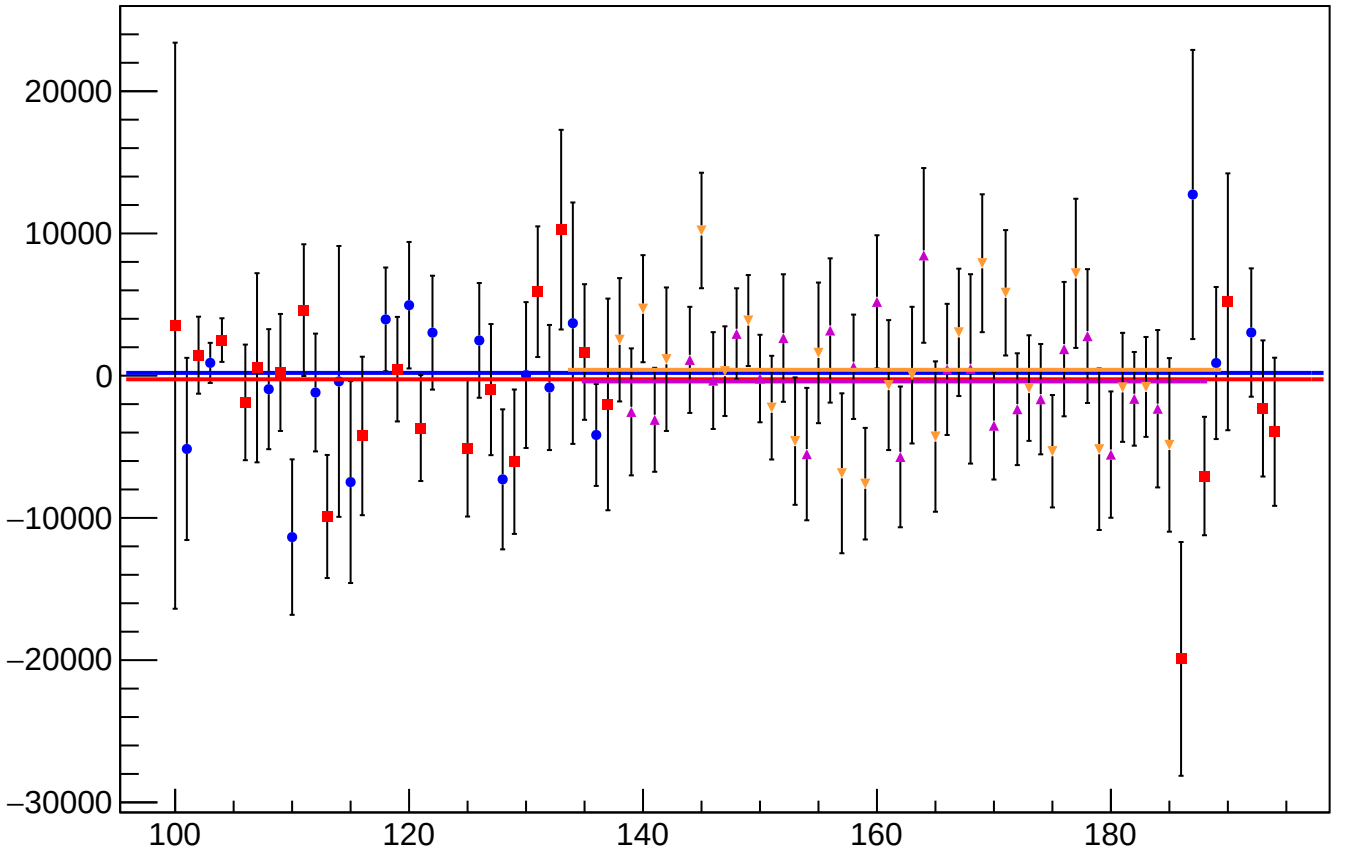
Left: 3646.134+/-0.434 χ^2/NDF: 2355959.1/46

Right: 1623.068+/-0.326 χ^2/NDF: 13707255.5/41

In: 2936.763+/-0.427 χ^2/NDF:6409198.1/41

Out: 2006.270+/-0.329 χ^2/NDF:20585663.7/46

All: 2353.184+/-0.260 χ^2/NDF: 29979317.7/8



Right In: 196.752+/-886.184 χ^2/NDF: 15.8/18

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: -253.774+/-842.488 χ^2/NDF: 27.4/22

Left In: -403.543+/-862.437 χ^2/NDF:12.3/22

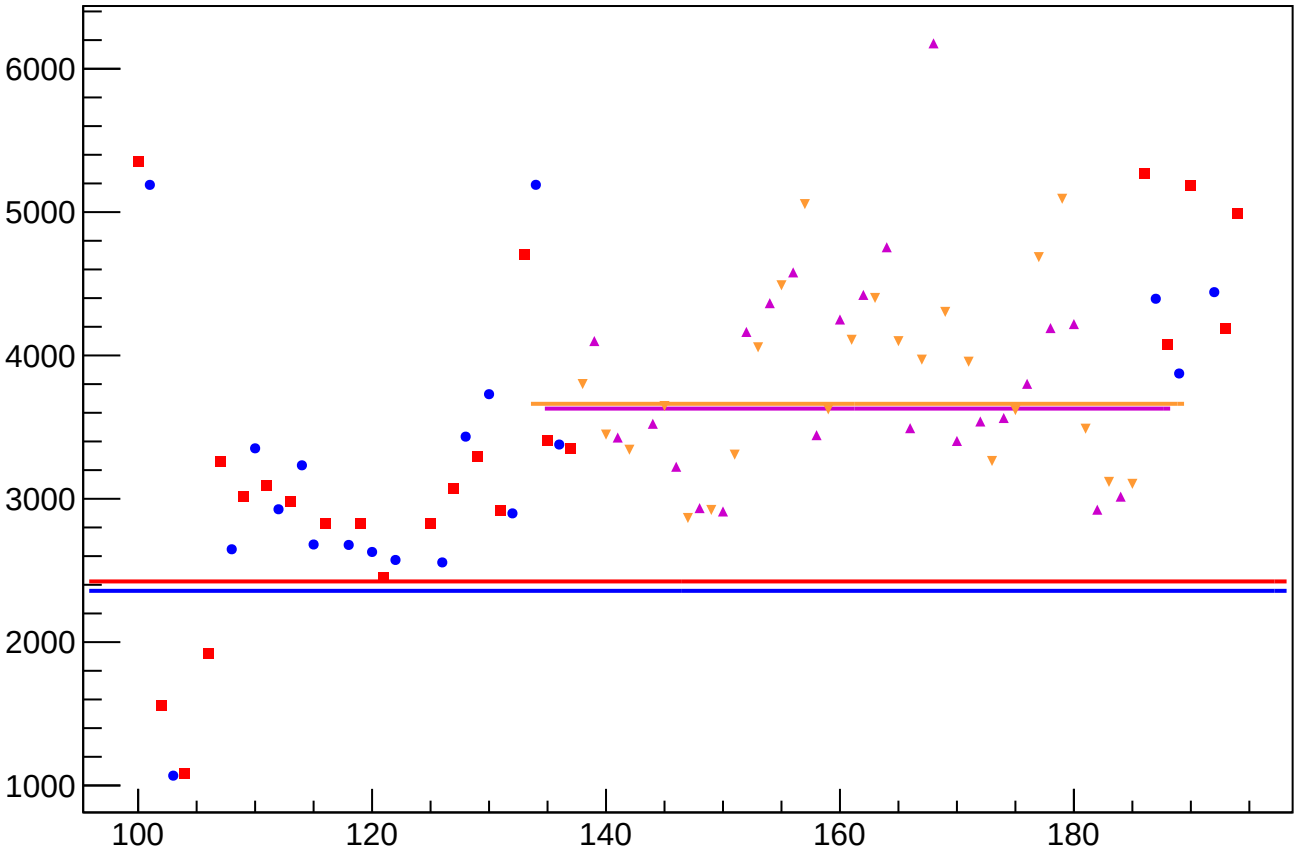
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

Right: -39.892+/-610.592 χ^2/NDF: 43.2/41

In: -111.546+/-618.060 χ^2/NDF:28.3/41

Out: 70.936+/-603.643 χ^2/NDF:54.8/46

All: -18.152+/-431.847 χ^2/NDF: 83.2/88



Right In: 2357.804+/-0.627 χ^2/NDF: 3556673.0/18

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

Right Out: 2423.418+/-0.594 χ^2/NDF: 3956870.3/22

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

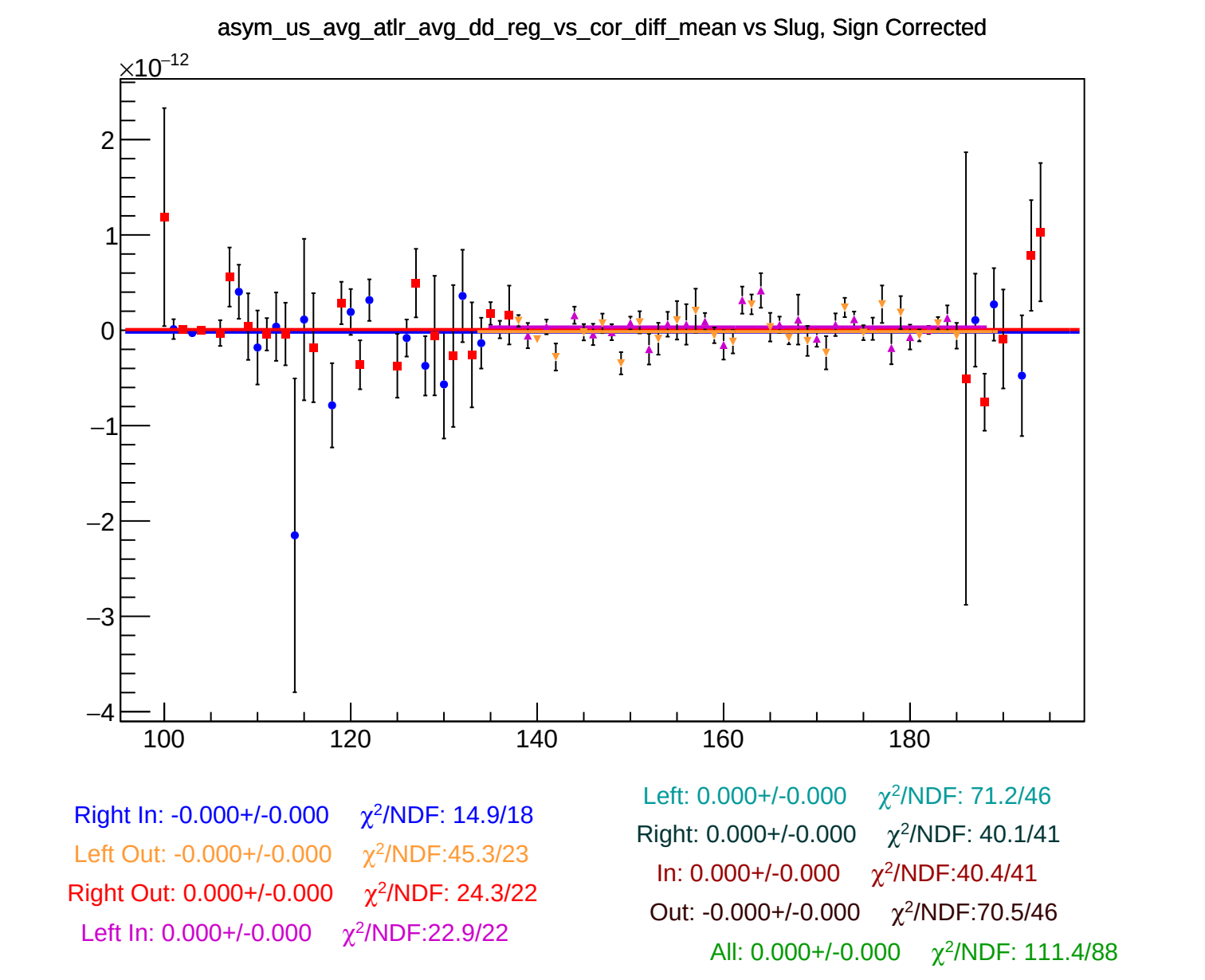
Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

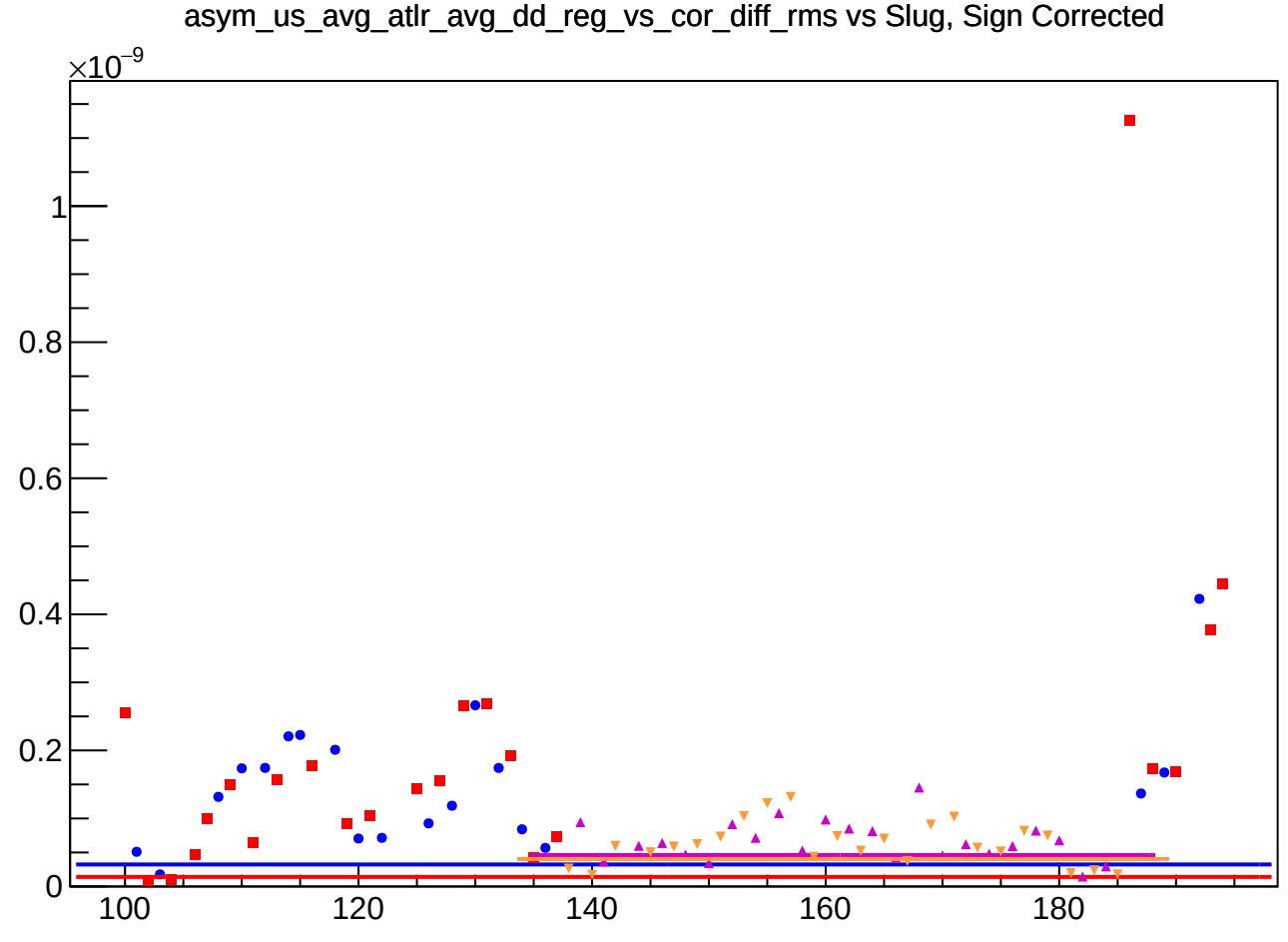
Right: 2392.338+/-0.431 χ^2/NDF: 7519313.8/41

In: 3010.754+/-0.437 χ^2/NDF:6725794.1/41

Out: 3025.157+/-0.426 χ^2/NDF:6960449.7/46

All: 3018.133+/-0.305 χ^2/NDF: 13686800.2/8


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 14.9/18
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 24.3/22
Left In: 0.000+/-0.000 χ²/NDF:22.9/22
Left: 0.000+/-0.000 χ²/NDF: 71.2/46
Right: 0.000+/-0.000 χ²/NDF: 40.1/41
In: 0.000+/-0.000 χ²/NDF:40.4/41
Out: -0.000+/-0.000 χ²/NDF:70.5/46
All: 0.000+/-0.000 χ²/NDF: 111.4/88



Right In: 0.000+/-0.000 χ^2/NDF: 4109309.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6334378.4/22

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

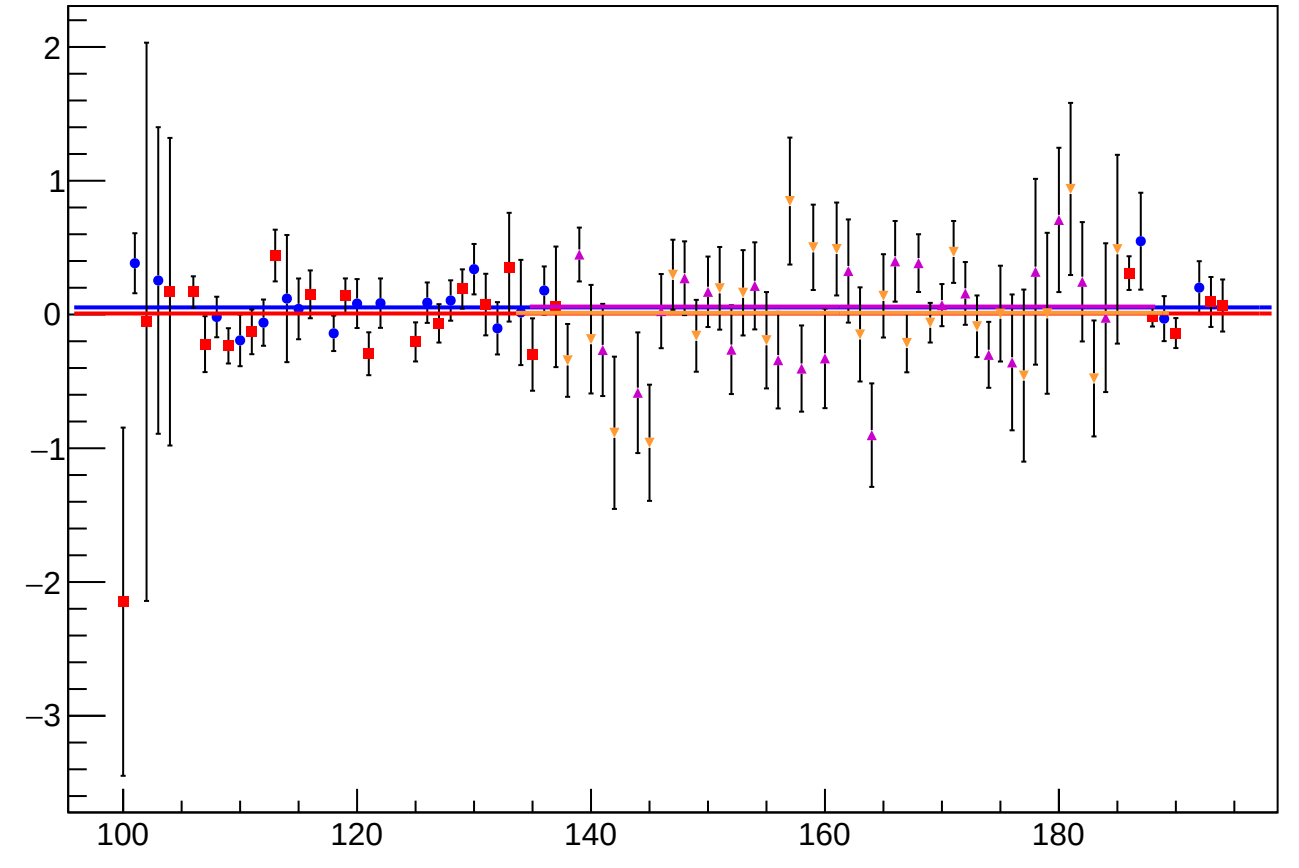
Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

Right: 0.000+/-0.000 χ^2/NDF: 11221706.5/41

In: 0.000+/-0.000 χ^2/NDF:7424671.1/41

Out: 0.000+/-0.000 χ^2/NDF:12213939.0/46

All: 0.000+/-0.000 χ^2/NDF: 21060544.9/88



Right In: 0.053+/-0.044 χ^2/NDF: 13.0/18

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.007+/-0.033 χ^2/NDF: 34.0/22

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

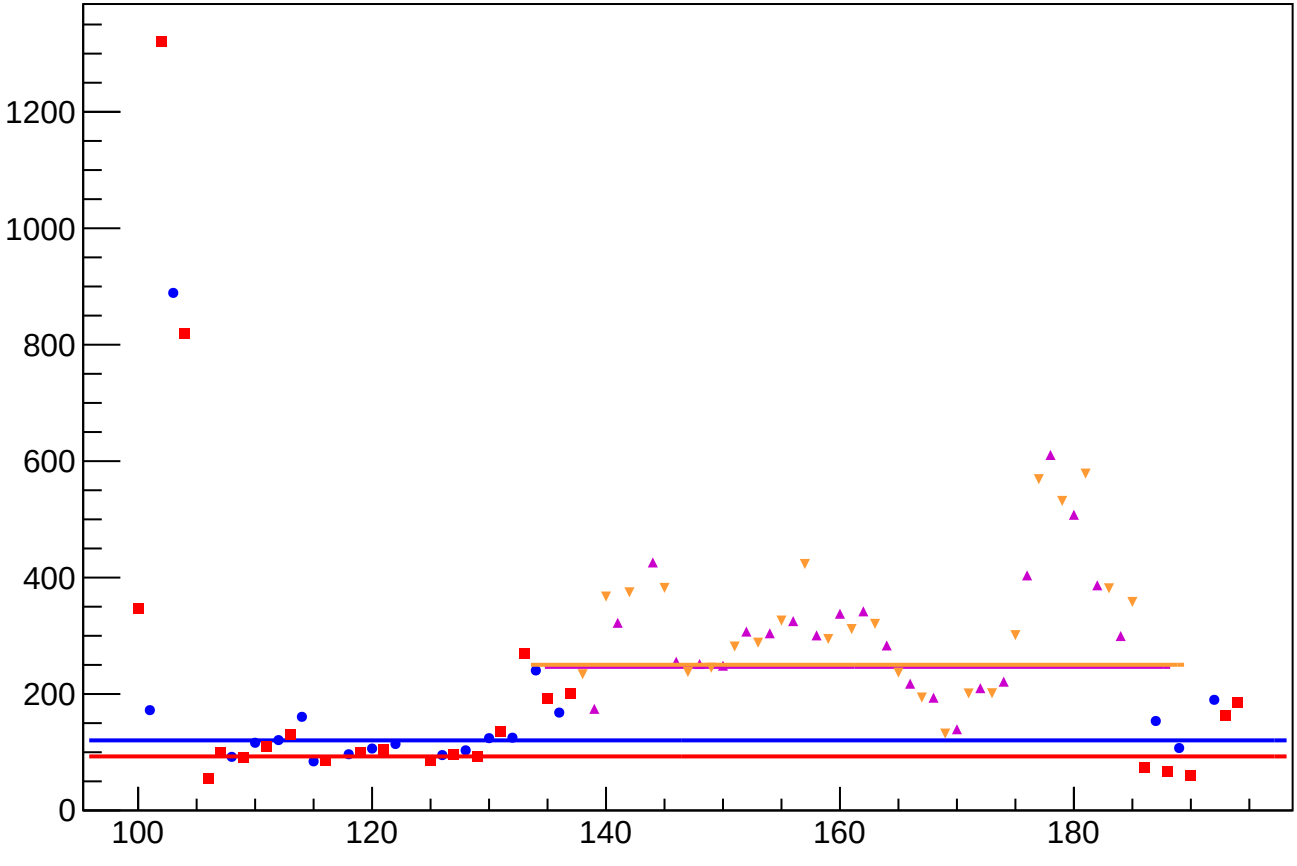
Right: 0.024+/-0.026 χ^2/NDF: 47.7/41

In: 0.055+/-0.036 χ^2/NDF:40.9/41

Out: 0.009+/-0.029 χ^2/NDF:63.3/46

All: 0.027+/-0.023 χ^2/NDF: 105.3/88

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 120.380+/-0.031 χ^2/NDF: 1909192.4/18

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 92.811+/-0.023 χ^2/NDF: 3932546.7/22

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

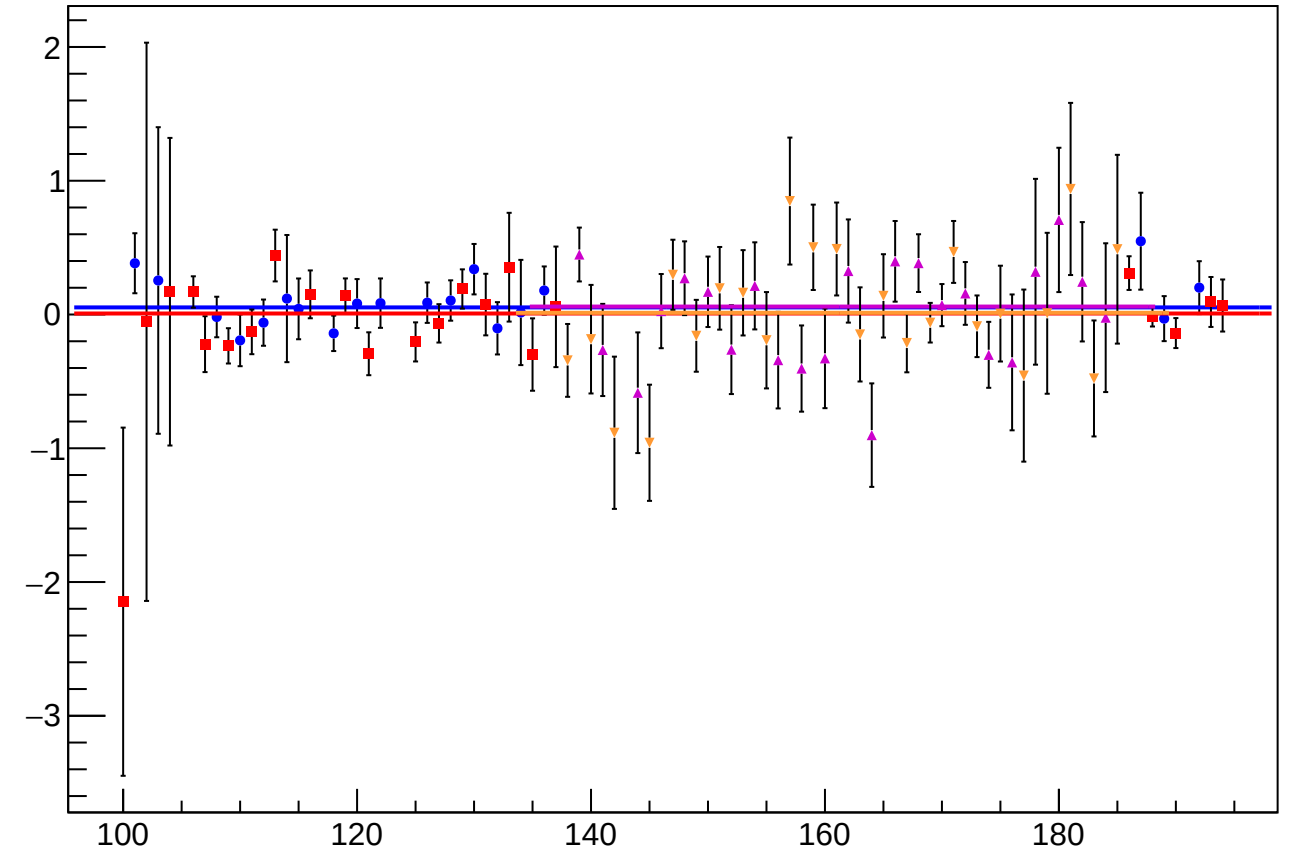
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 102.712+/-0.019 χ^2/NDF: 6340887.7/41

In: 162.885+/-0.025 χ^2/NDF:11181318.4/41

Out: 126.816+/-0.021 χ^2/NDF:18075357.8/46

All: 141.187+/-0.016 χ^2/NDF: 30465755.0/88



Right In: 0.053+/-0.044 χ^2/NDF: 13.0/18

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.007+/-0.033 χ^2/NDF: 34.0/22

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

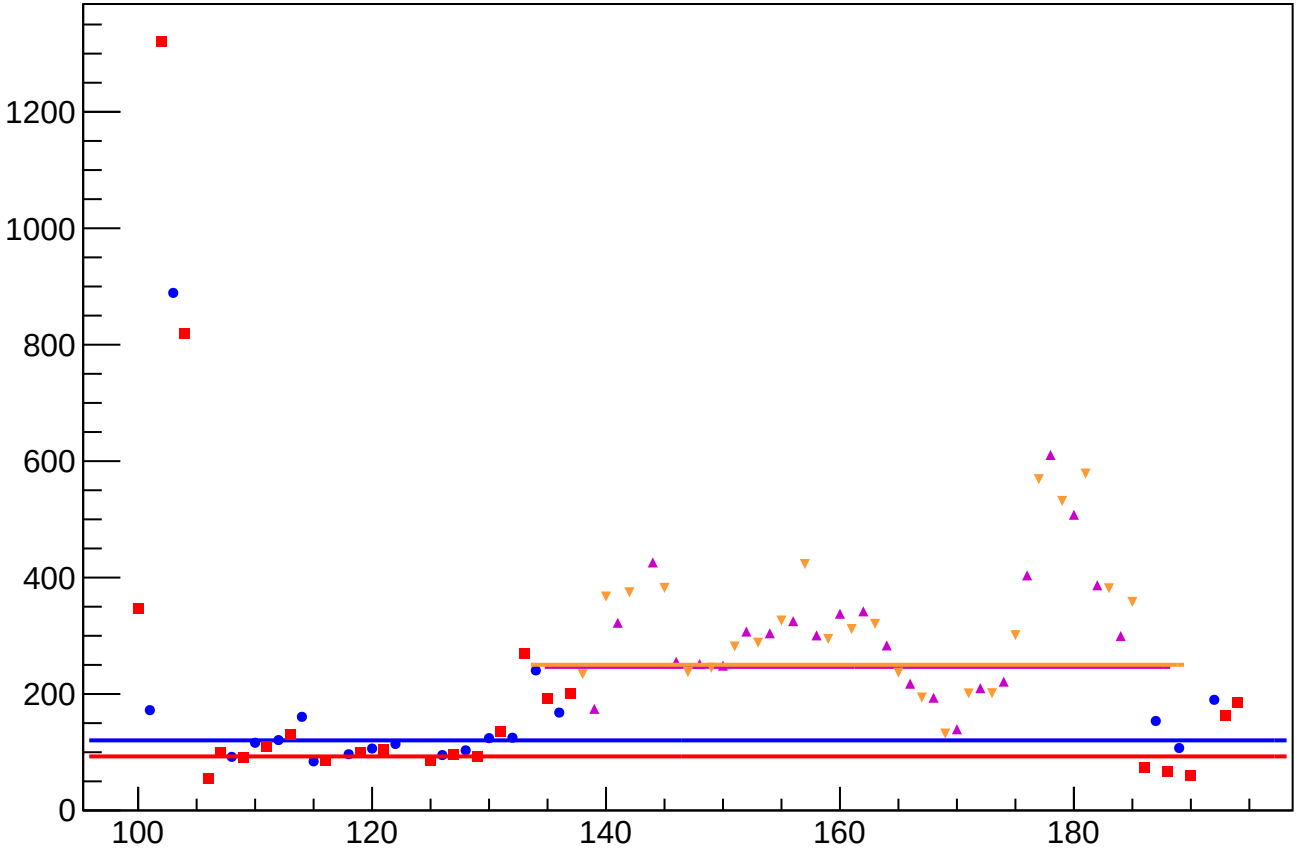
Right: 0.024+/-0.026 χ^2/NDF: 47.7/41

In: 0.055+/-0.036 χ^2/NDF:40.9/41

Out: 0.009+/-0.029 χ^2/NDF:63.3/46

All: 0.027+/-0.023 χ^2/NDF: 105.3/88

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 120.380+/-0.031 χ^2/NDF: 1909192.4/18

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 92.811+/-0.023 χ^2/NDF: 3932546.7/22

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

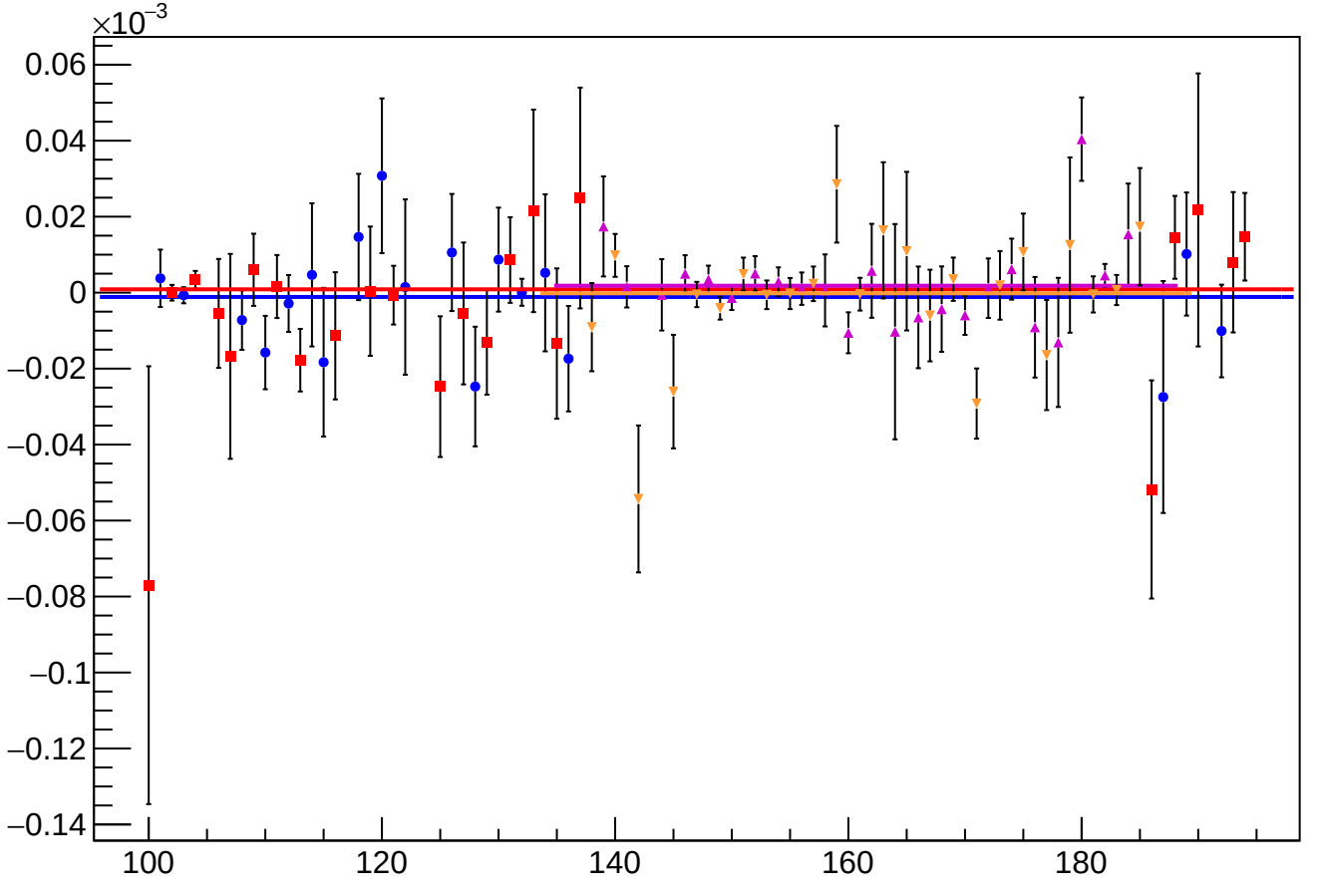
Right: 102.712+/-0.019 χ^2/NDF: 6340887.7/41

In: 162.885+/-0.025 χ^2/NDF:11181318.4/41

Out: 126.816+/-0.021 χ^2/NDF:18075357.8/46

All: 141.187+/-0.016 χ^2/NDF: 30465755.0/88

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.0/22

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

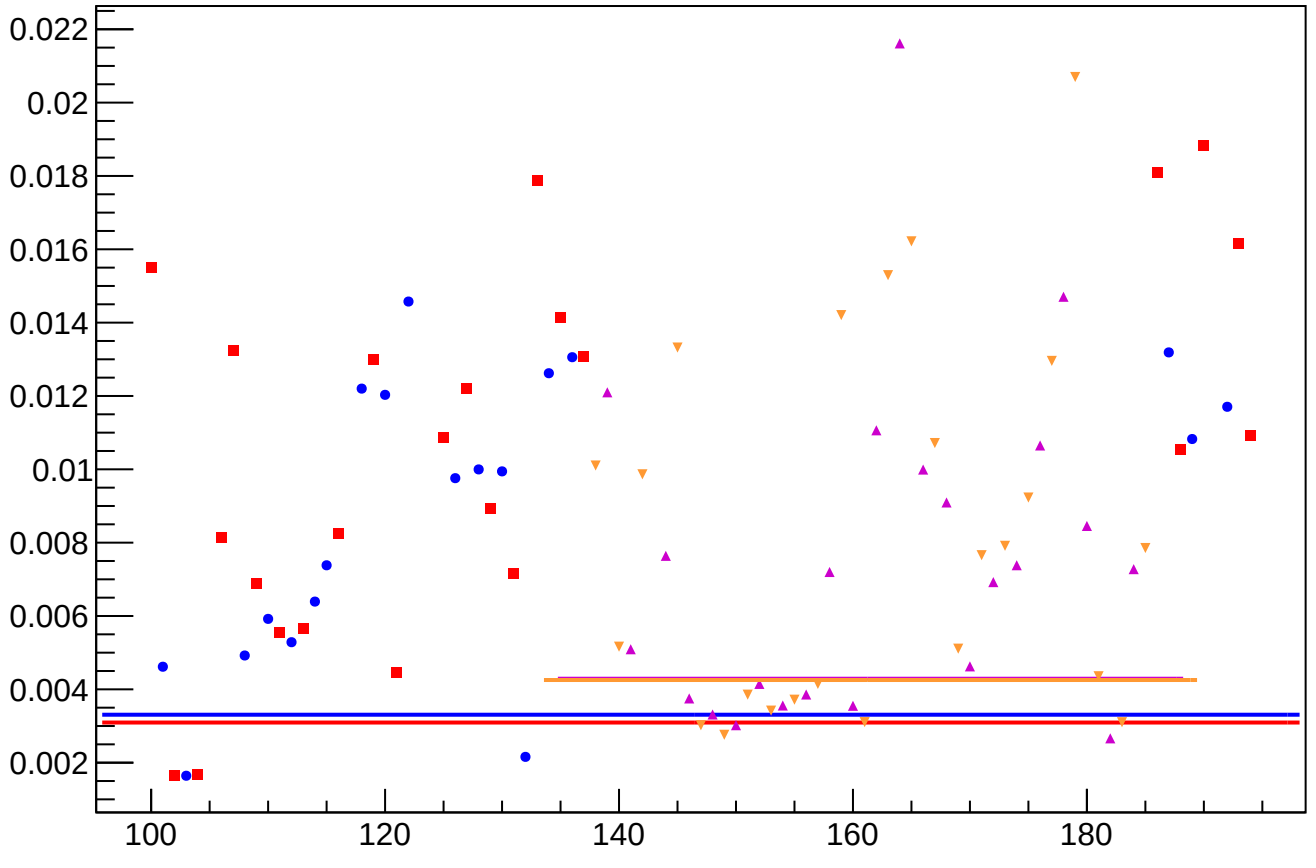
Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

Right: -0.000+/-0.000 χ^2/NDF: 37.3/41

In: 0.000+/-0.000 χ^2/NDF:44.8/41

Out: 0.000+/-0.000 χ^2/NDF:59.5/46

All: 0.000+/-0.000 χ^2/NDF: 104.5/88



Right In: 0.003+/-0.000 χ^2/NDF: 7599633.4/18

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10633605.1/22

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

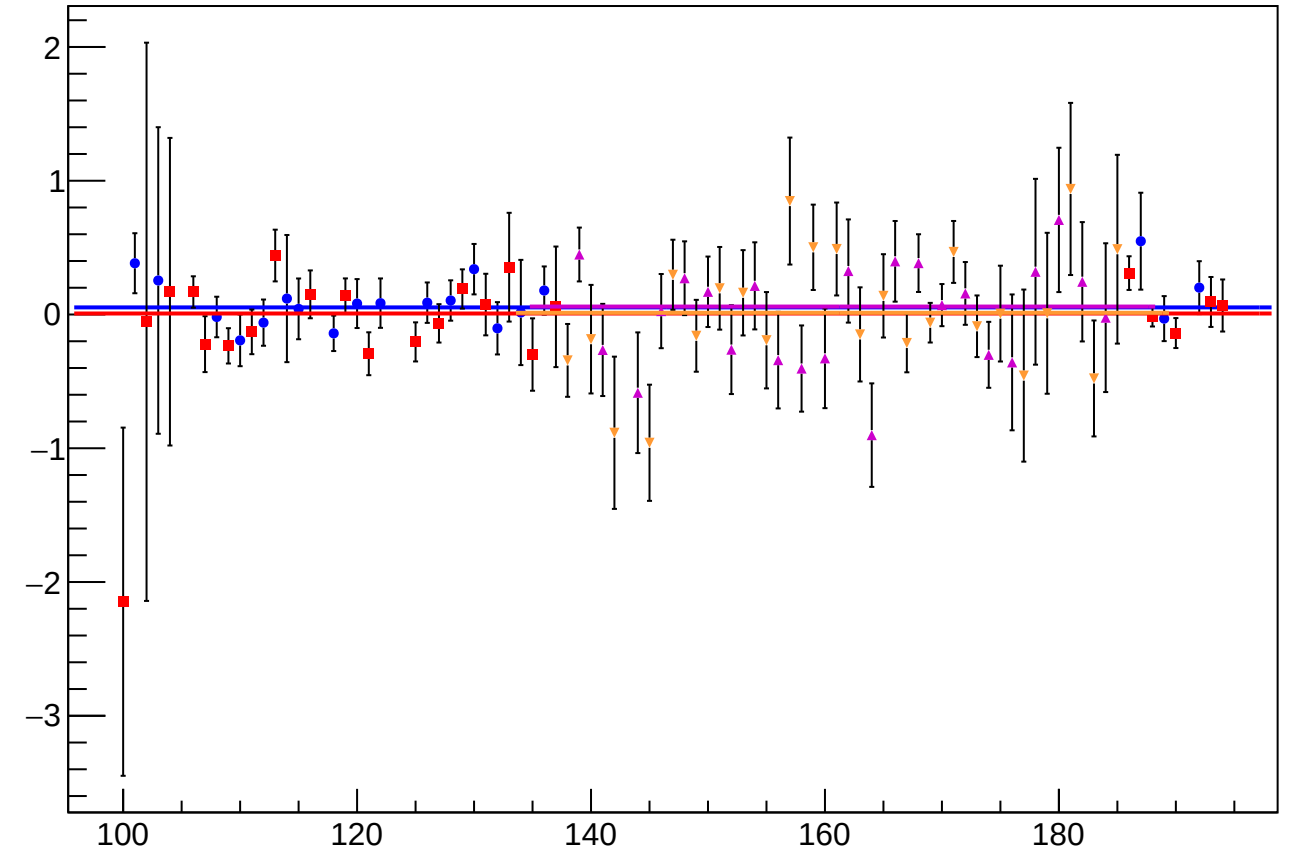
Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

Right: 0.003+/-0.000 χ^2/NDF: 18254340.0/41

In: 0.004+/-0.000 χ^2/NDF:14700027.1/41

Out: 0.004+/-0.000 χ^2/NDF:19955863.1/46

All: 0.004+/-0.000 χ^2/NDF: 34687744.6/88



Right In: 0.053+/-0.044 χ^2/NDF: 13.0/18

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.007+/-0.033 χ^2/NDF: 34.0/22

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

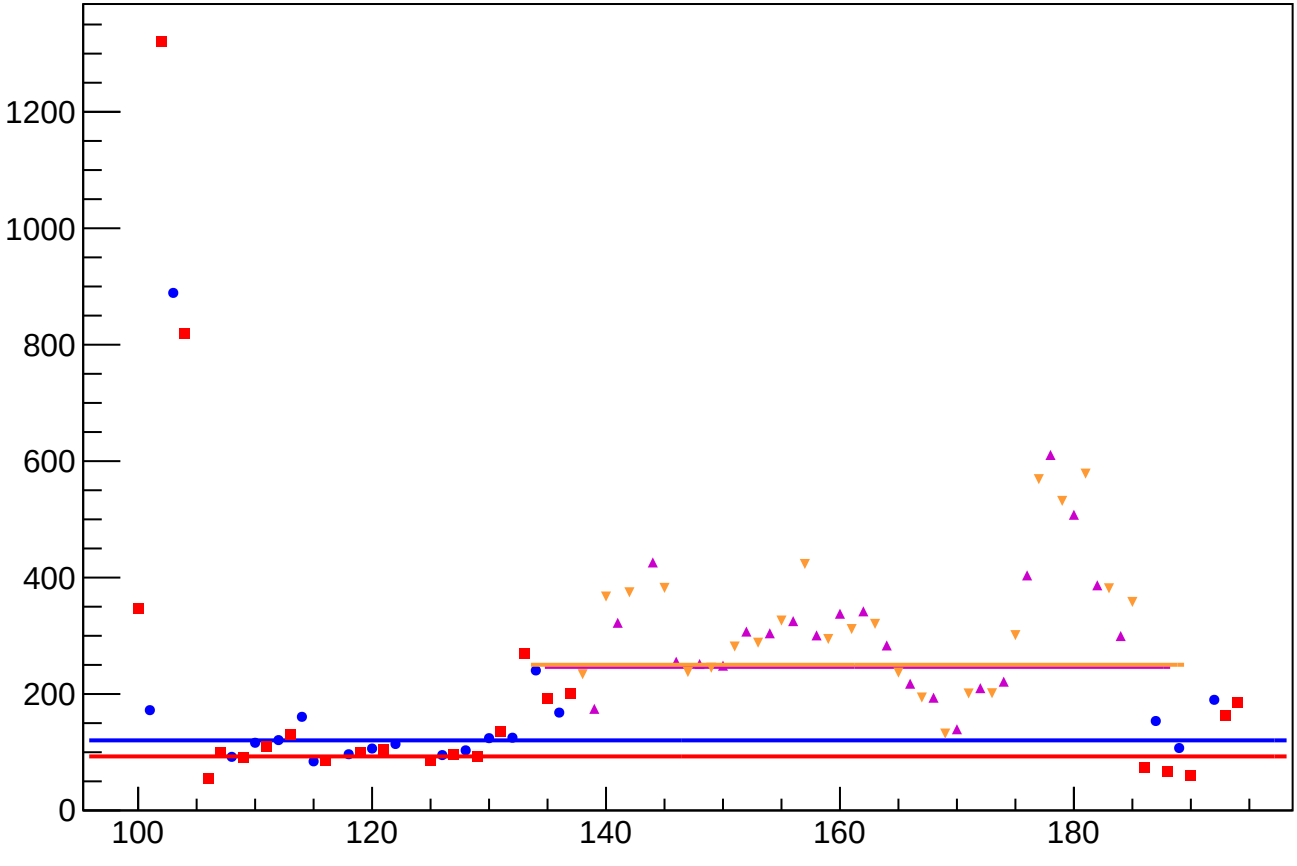
Right: 0.024+/-0.026 χ^2/NDF: 47.7/41

In: 0.055+/-0.036 χ^2/NDF:40.9/41

Out: 0.009+/-0.029 χ^2/NDF:63.3/46

All: 0.027+/-0.023 χ^2/NDF: 105.3/88

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 120.379+/-0.031 χ^2/NDF: 1909190.6/18

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 92.806+/-0.023 χ^2/NDF: 3932903.6/22

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

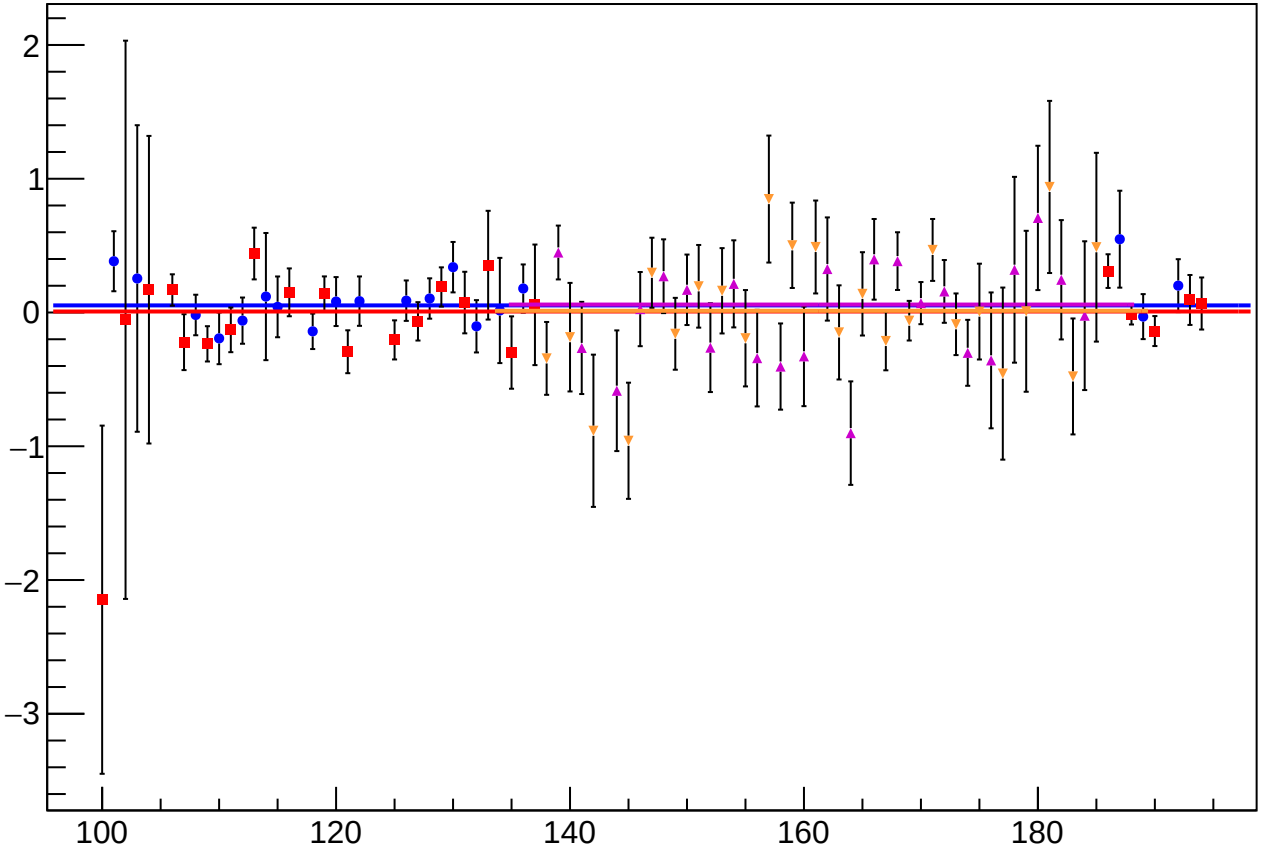
Right: 102.708+/-0.019 χ^2/NDF: 6341395.5/41

In: 162.885+/-0.025 χ^2/NDF:11181552.8/41

Out: 126.810+/-0.021 χ^2/NDF:18076574.0/46

All: 141.183+/-0.016 χ^2/NDF: 30467559.8/88

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.053+/-0.044 χ^2/NDF: 13.0/18

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.007+/-0.033 χ^2/NDF: 34.0/22

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

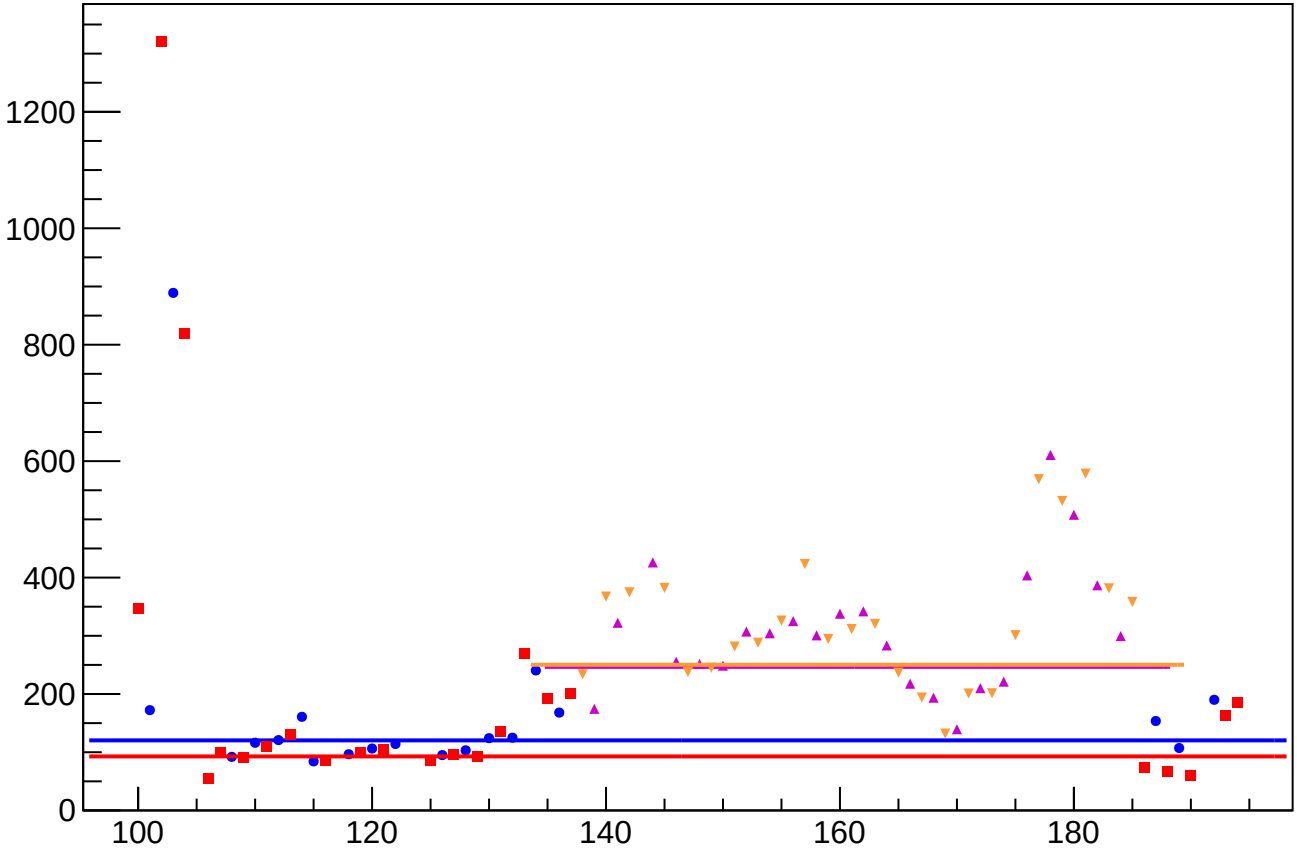
Right: 0.024+/-0.026 χ^2/NDF: 47.7/41

In: 0.055+/-0.036 χ^2/NDF:40.9/41

Out: 0.009+/-0.029 χ^2/NDF:63.3/46

All: 0.027+/-0.023 χ^2/NDF: 105.3/88

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 120.379+/-0.031 χ^2/NDF: 1909190.6/18

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 92.806+/-0.023 χ^2/NDF: 3932903.6/22

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

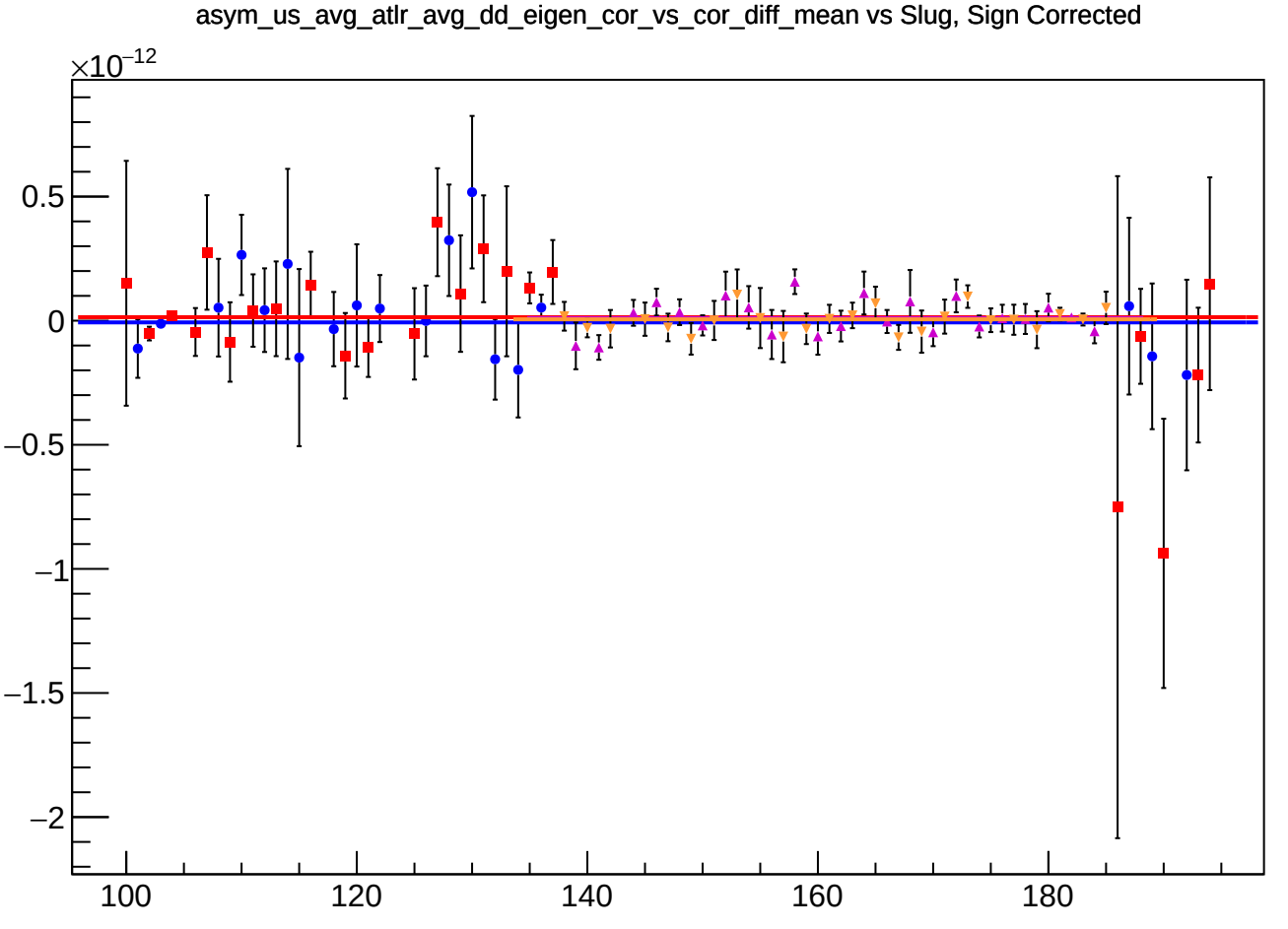
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 102.708+/-0.019 χ^2/NDF: 6341395.5/41

In: 162.885+/-0.025 χ^2/NDF:11181552.8/41

Out: 126.810+/-0.021 χ^2/NDF:18076574.0/46

All: 141.183+/-0.016 χ^2/NDF: 30467559.8/88



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

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

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

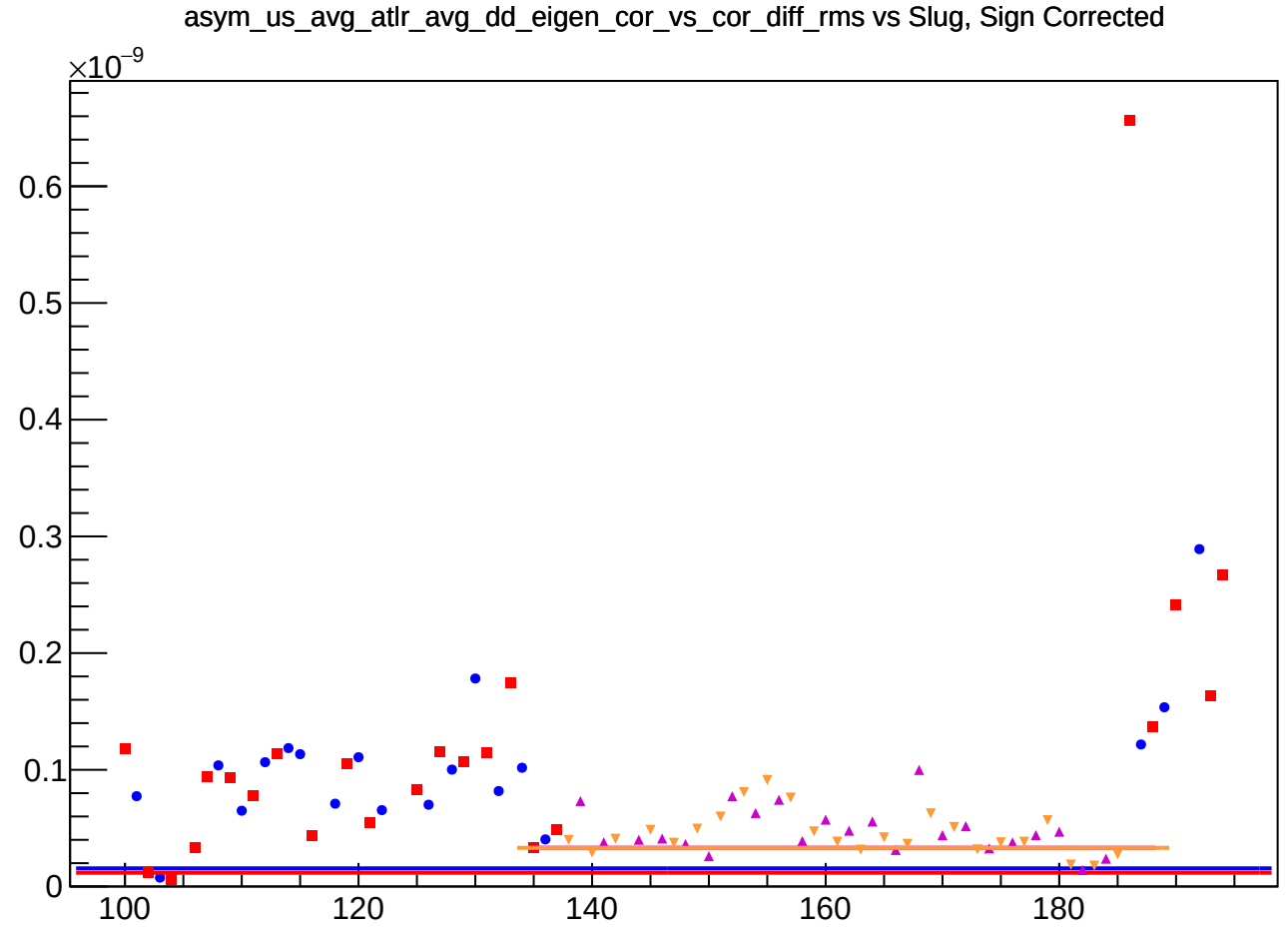
Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

Right: 0.000+/-0.000 χ^2/NDF: 41.6/41

In: 0.000+/-0.000 χ^2/NDF:42.6/41

Out: 0.000+/-0.000 χ^2/NDF:40.5/46

All: 0.000+/-0.000 χ^2/NDF: 83.5/88



Right In: 0.000+/-0.000 χ^2/NDF: 7533251.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8892156.2/22

Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

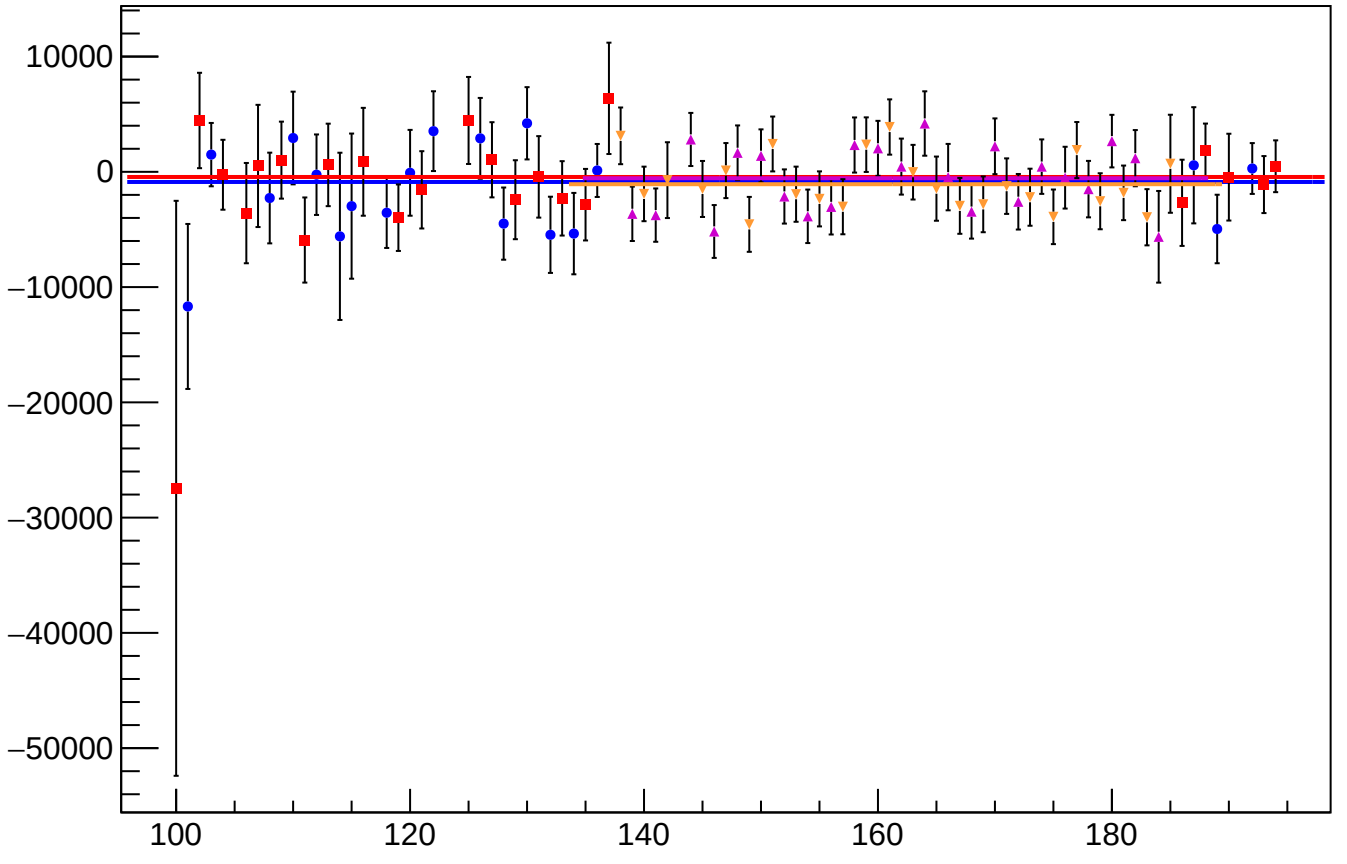
Left: 0.000+/-0.000 χ^2/NDF: 9043794.9/46

Right: 0.000+/-0.000 χ^2/NDF: 16539345.8/41

In: 0.000+/-0.000 χ^2/NDF:14904501.7/41

Out: 0.000+/-0.000 χ^2/NDF:17339911.2/46

All: 0.000+/-0.000 χ^2/NDF: 32531278.0/88



Right In: -879.729+/-773.496 χ^2/NDF: 18.1/18

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: -446.753+/-704.861 χ^2/NDF: 14.0/22

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

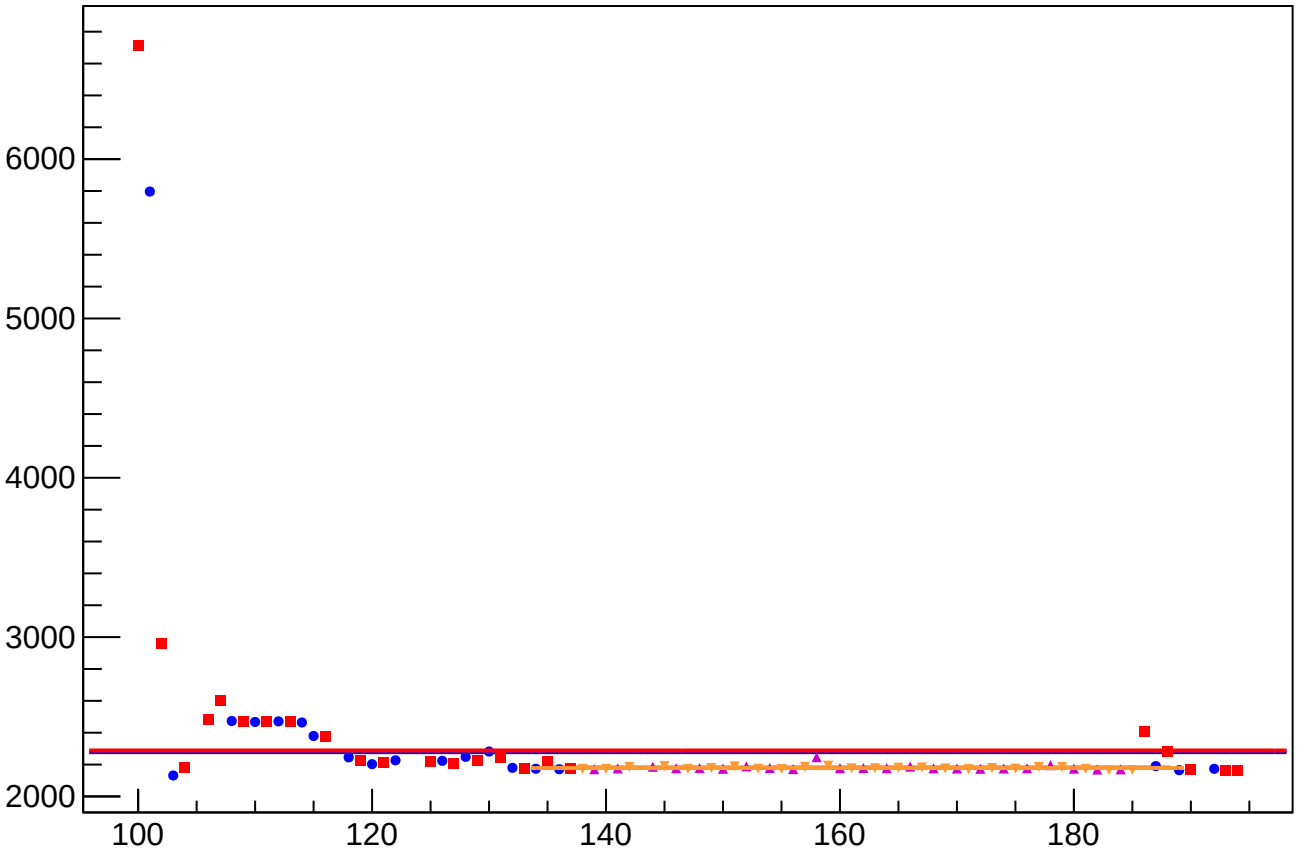
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -643.183+/-520.991 χ^2/NDF: 32.3/41

In: -654.614+/-425.318 χ^2/NDF:47.0/41

Out: -860.193+/-410.801 χ^2/NDF:36.1/46

All: -760.972+/-295.479 χ^2/NDF: 83.2/88



Right In: 2277.907+/-0.547 χ^2/NDF: 524306.8/18

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2288.341+/-0.498 χ^2/NDF: 170172.4/22

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

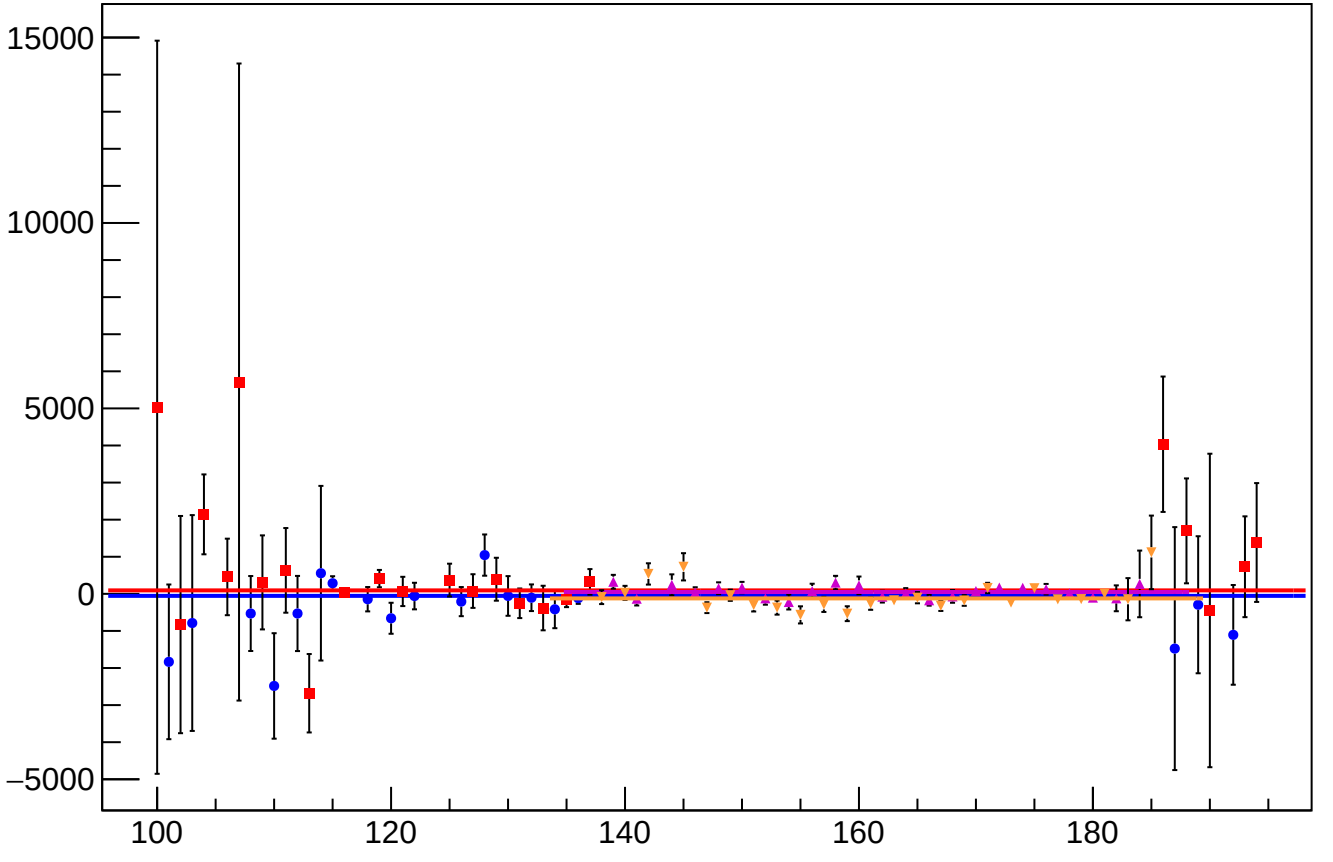
Right: 2283.607+/-0.368 χ^2/NDF: 694678.0/41

In: 2210.243+/-0.301 χ^2/NDF:548110.7/41

Out: 2215.641+/-0.290 χ^2/NDF:202782.0/46

All: 2213.036+/-0.209 χ^2/NDF: 751059.3/88

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -54.413+/-90.563 χ^2/NDF: 15.2/18

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: 93.222+/-81.889 χ^2/NDF: 24.5/22

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

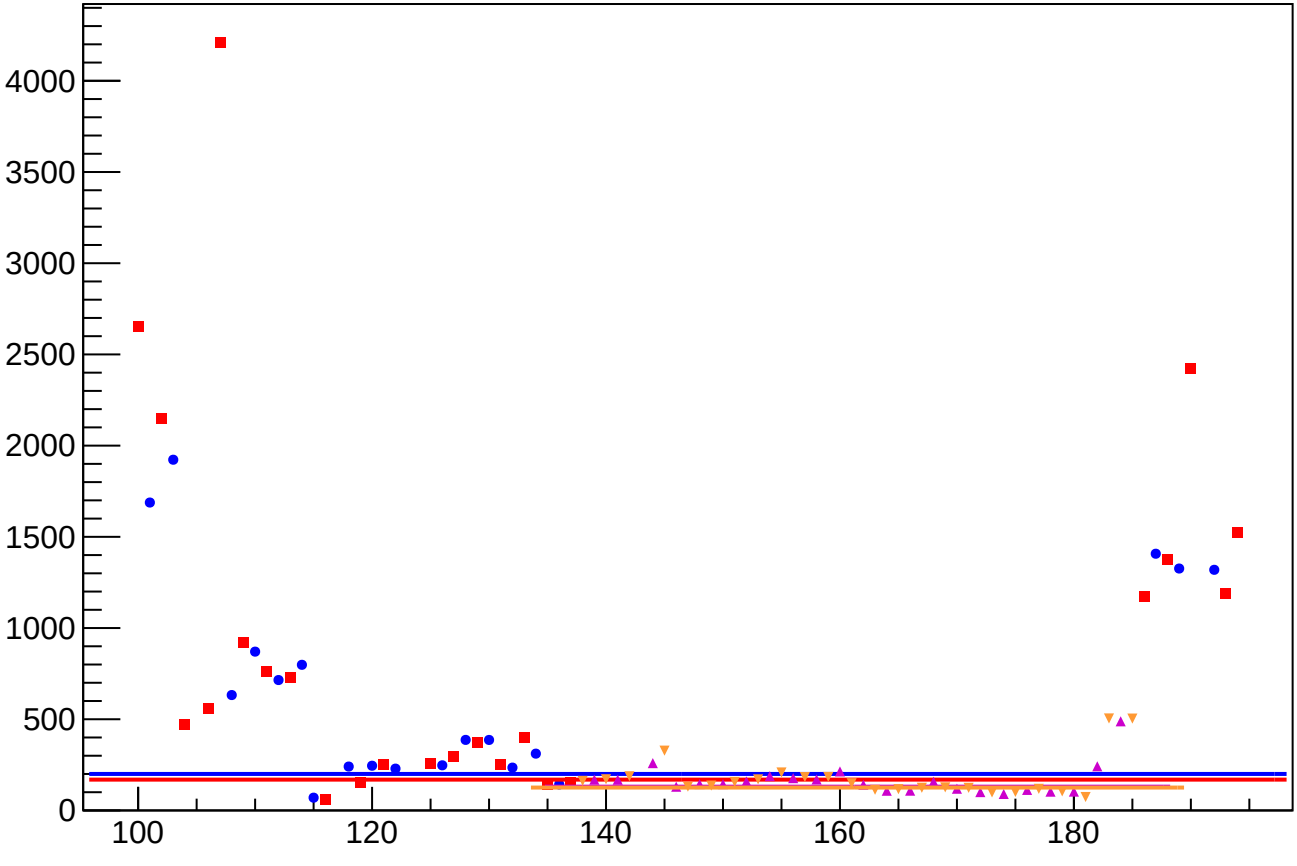
Right: 26.812+/-60.740 χ^2/NDF: 41.2/41

In: 38.339+/-30.627 χ^2/NDF:34.6/41

Out: -95.278+/-29.325 χ^2/NDF:74.4/46

All: -31.371+/-21.181 χ^2/NDF: 119.0/88

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 200.155+/-0.064 χ^2/NDF: 7483892.0/18

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 168.998+/-0.058 χ^2/NDF: 11397994.9/22

Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

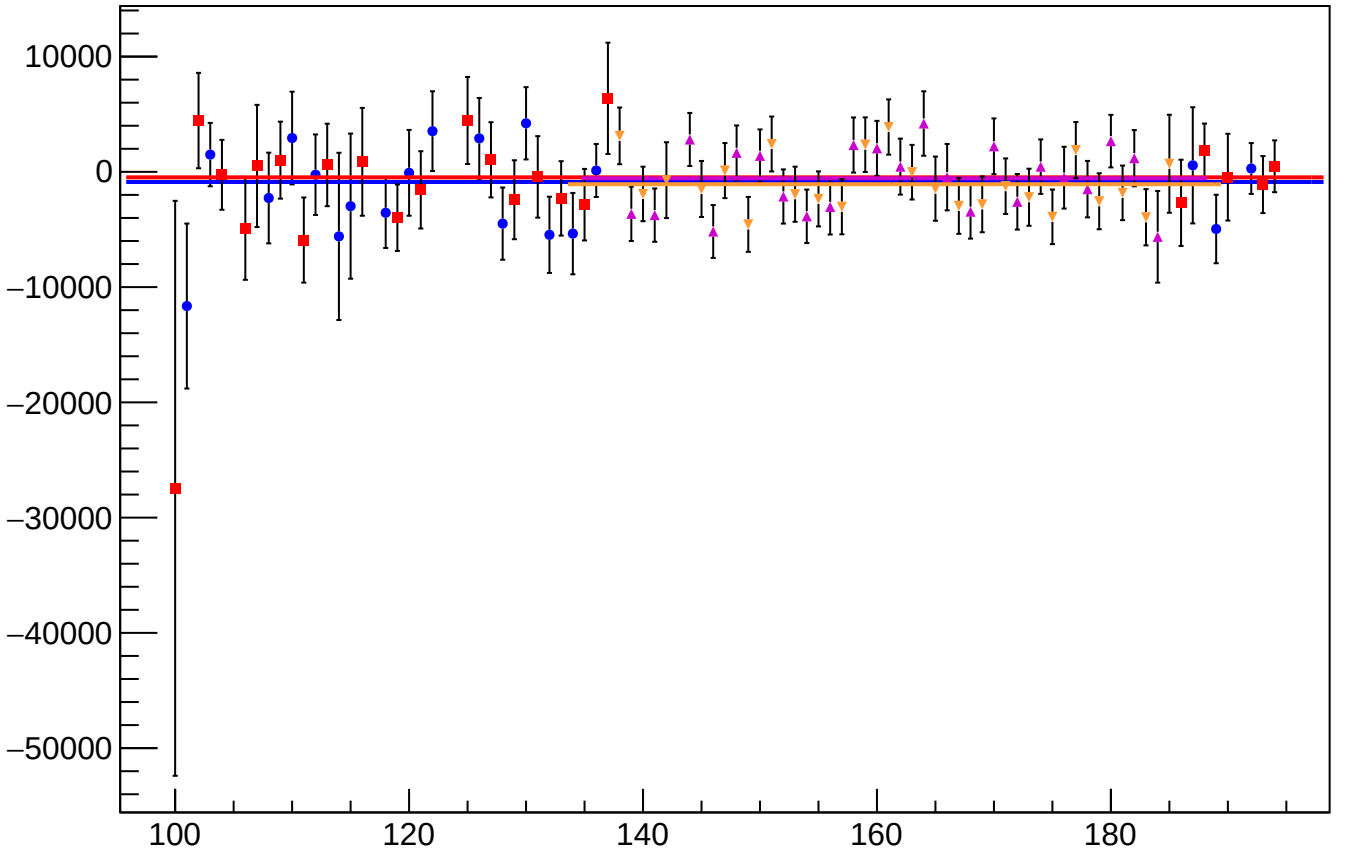
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 183.013+/-0.043 χ^2/NDF: 19012123.8/41

In: 138.410+/-0.022 χ^2/NDF:11213313.2/41

Out: 131.084+/-0.021 χ^2/NDF:15832549.2/46

All: 134.588+/-0.015 χ^2/NDF: 27105566.4/88



Right In: -878.937+/-773.497 χ^2/NDF: 18.1/18

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -477.419+/-705.245 χ^2/NDF: 14.5/22

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

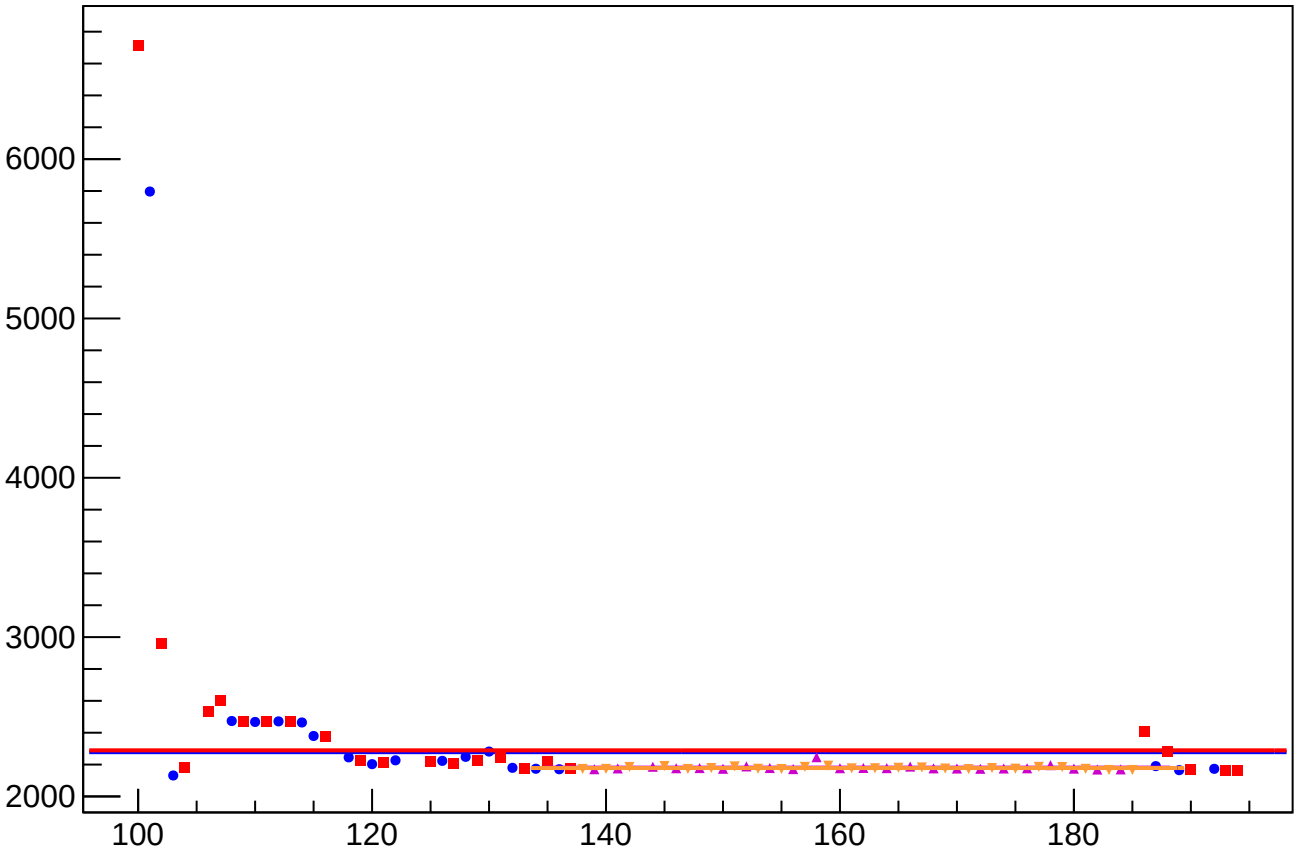
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -659.685+/-521.146 χ^2/NDF: 32.8/41

In: -654.393+/-425.318 χ^2/NDF:46.9/41

Out: -870.709+/-410.877 χ^2/NDF:36.5/46

All: -766.286+/-295.507 χ^2/NDF: 83.6/88



Right In: 2277.907+/-0.547 χ^2/NDF: 524307.1/18

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2289.405+/-0.499 χ^2/NDF: 172268.6/22

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

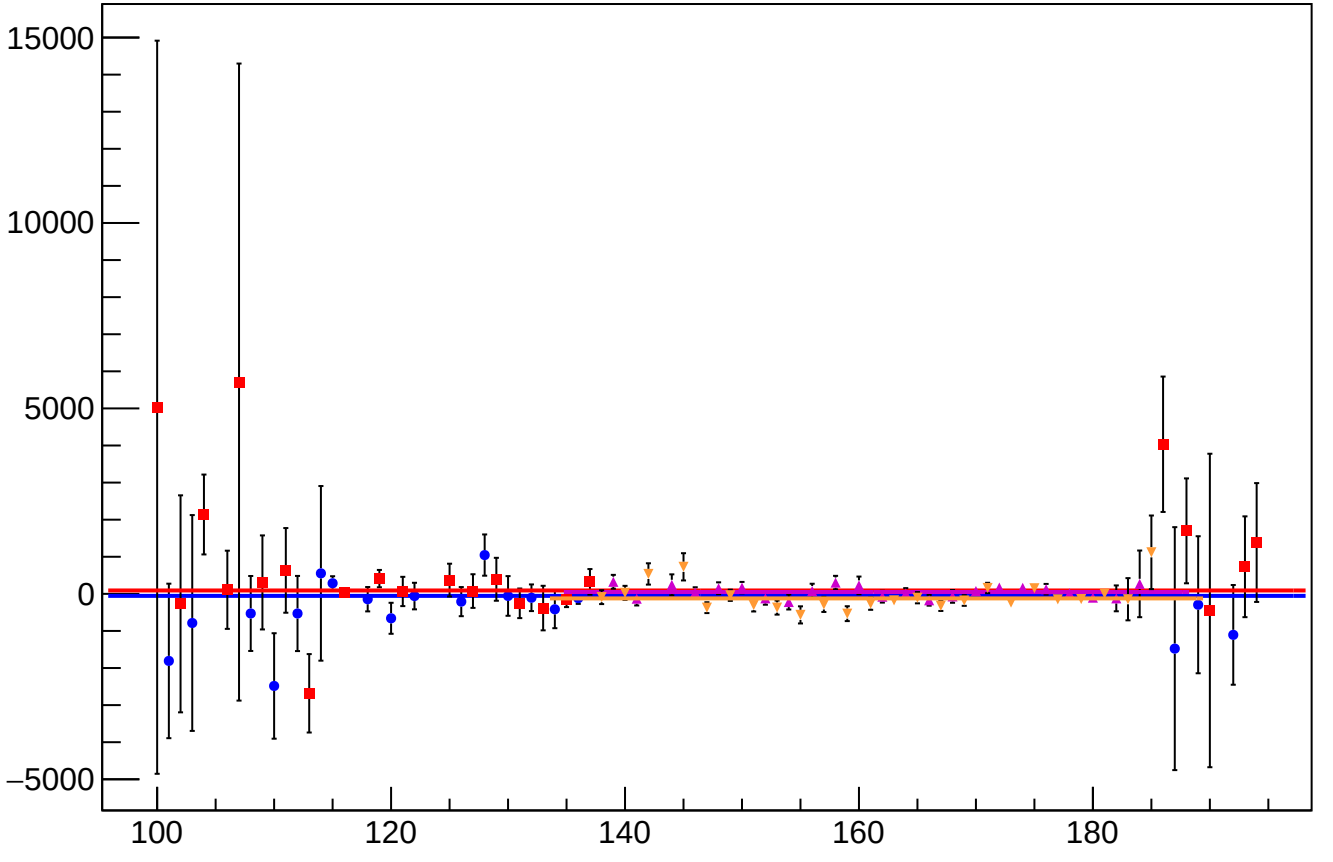
Right: 2284.186+/-0.369 χ^2/NDF: 696817.0/41

In: 2210.243+/-0.301 χ^2/NDF:548111.0/41

Out: 2215.975+/-0.291 χ^2/NDF:205480.4/46

All: 2213.208+/-0.209 χ^2/NDF: 753779.2/88

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -54.447+/-90.569 χ^2/NDF: 15.2/18

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 91.217+/-81.828 χ^2/NDF: 24.3/22

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

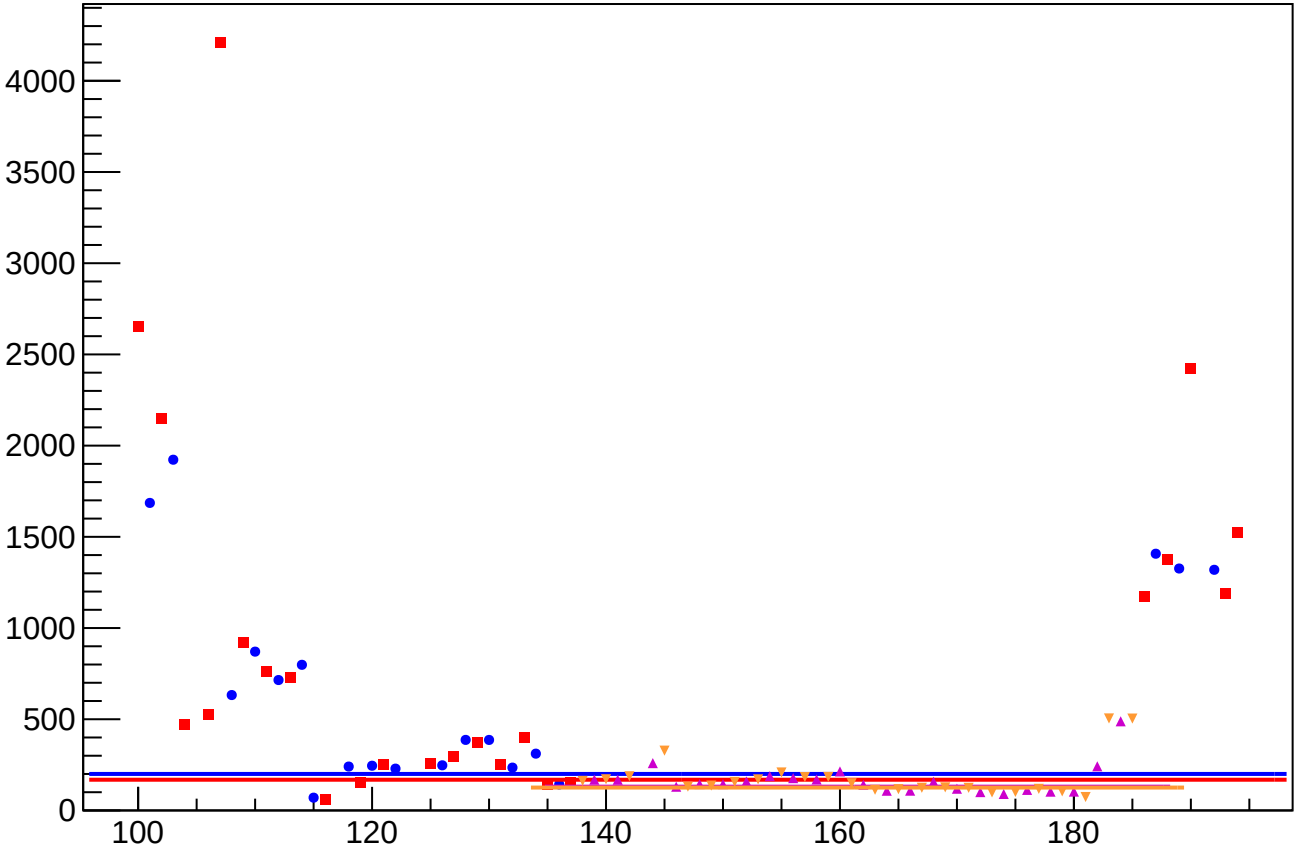
Right: 25.752+/-60.717 χ^2/NDF: 40.9/41

In: 38.239+/-30.630 χ^2/NDF:34.6/41

Out: -95.430+/-29.322 χ^2/NDF:74.1/46

All: -31.510+/-21.181 χ^2/NDF: 118.6/88

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 200.180+/-0.064 χ^2/NDF: 7482656.6/18

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 168.428+/-0.058 χ^2/NDF: 11357139.4/22

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

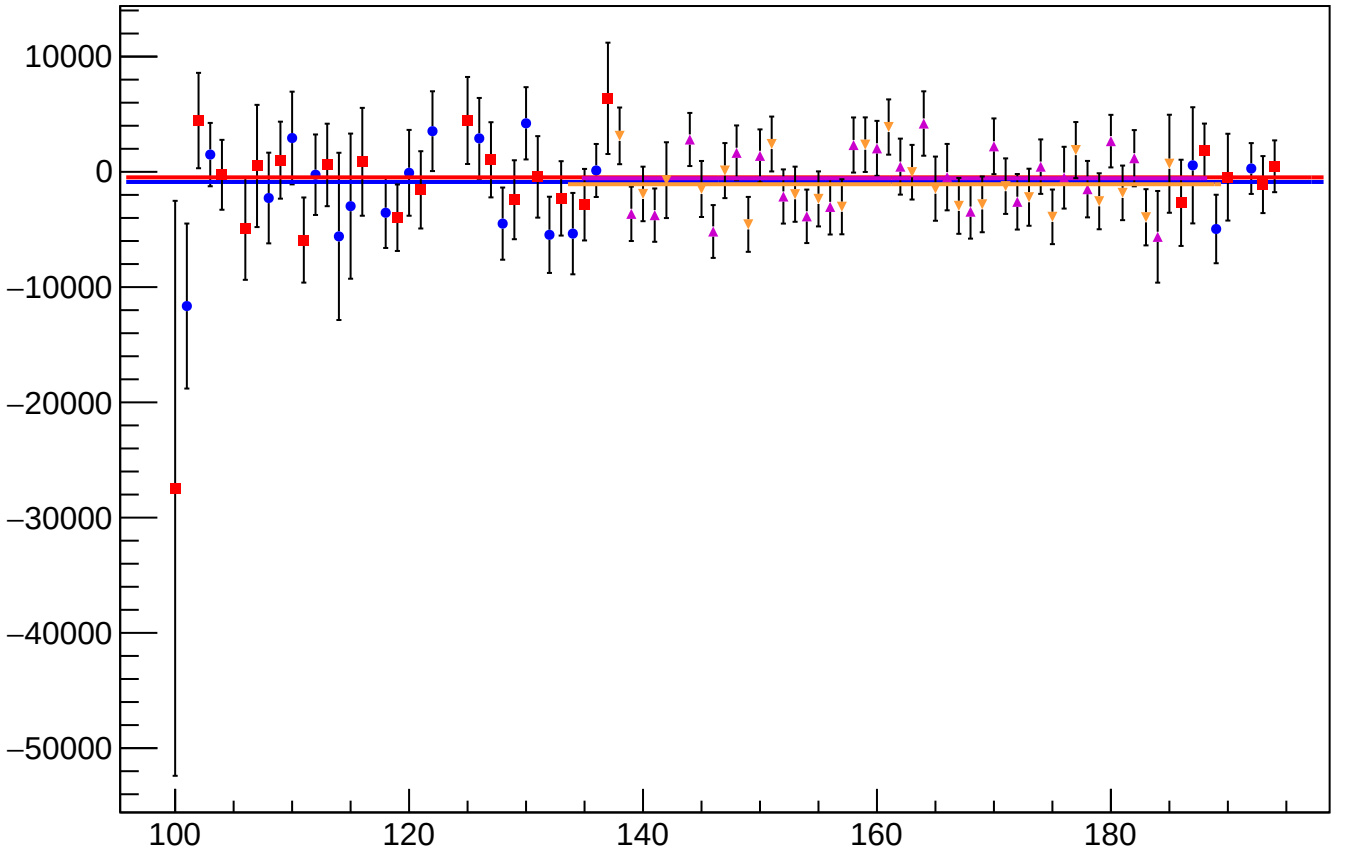
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 182.698+/-0.043 χ^2/NDF: 18975137.4/41

In: 138.426+/-0.022 χ^2/NDF:11211928.7/41

Out: 131.014+/-0.021 χ^2/NDF:15780414.3/46

All: 134.559+/-0.015 χ^2/NDF: 27053451.7/88



Right In: -878.937+/-773.497 χ^2/NDF: 18.1/18

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -477.419+/-705.245 χ^2/NDF: 14.5/22

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

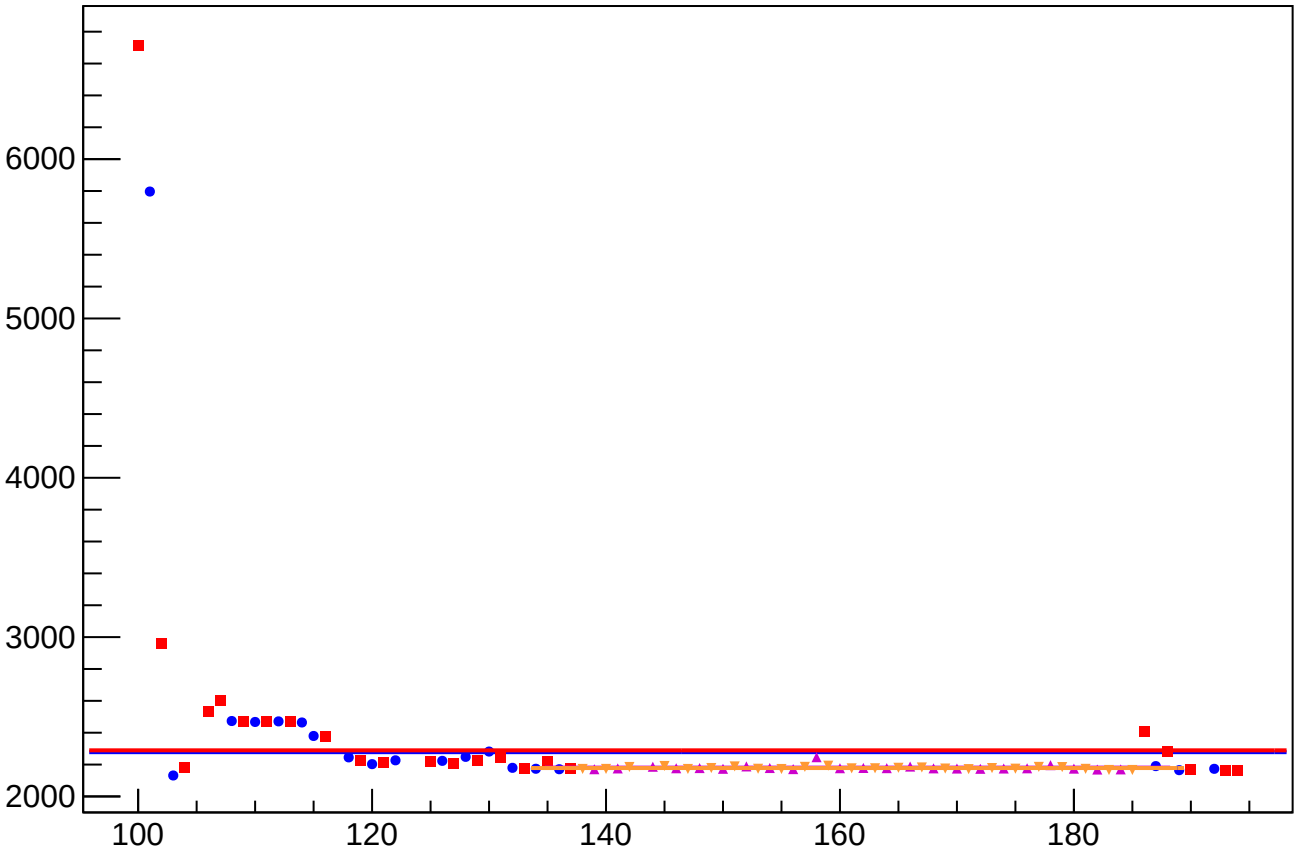
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -659.685+/-521.146 χ^2/NDF: 32.8/41

In: -654.393+/-425.318 χ^2/NDF:46.9/41

Out: -870.709+/-410.877 χ^2/NDF:36.5/46

All: -766.286+/-295.507 χ^2/NDF: 83.6/88



Right In: 2277.907+/-0.547 χ^2/NDF: 524307.1/18

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2289.405+/-0.499 χ^2/NDF: 172268.6/22

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

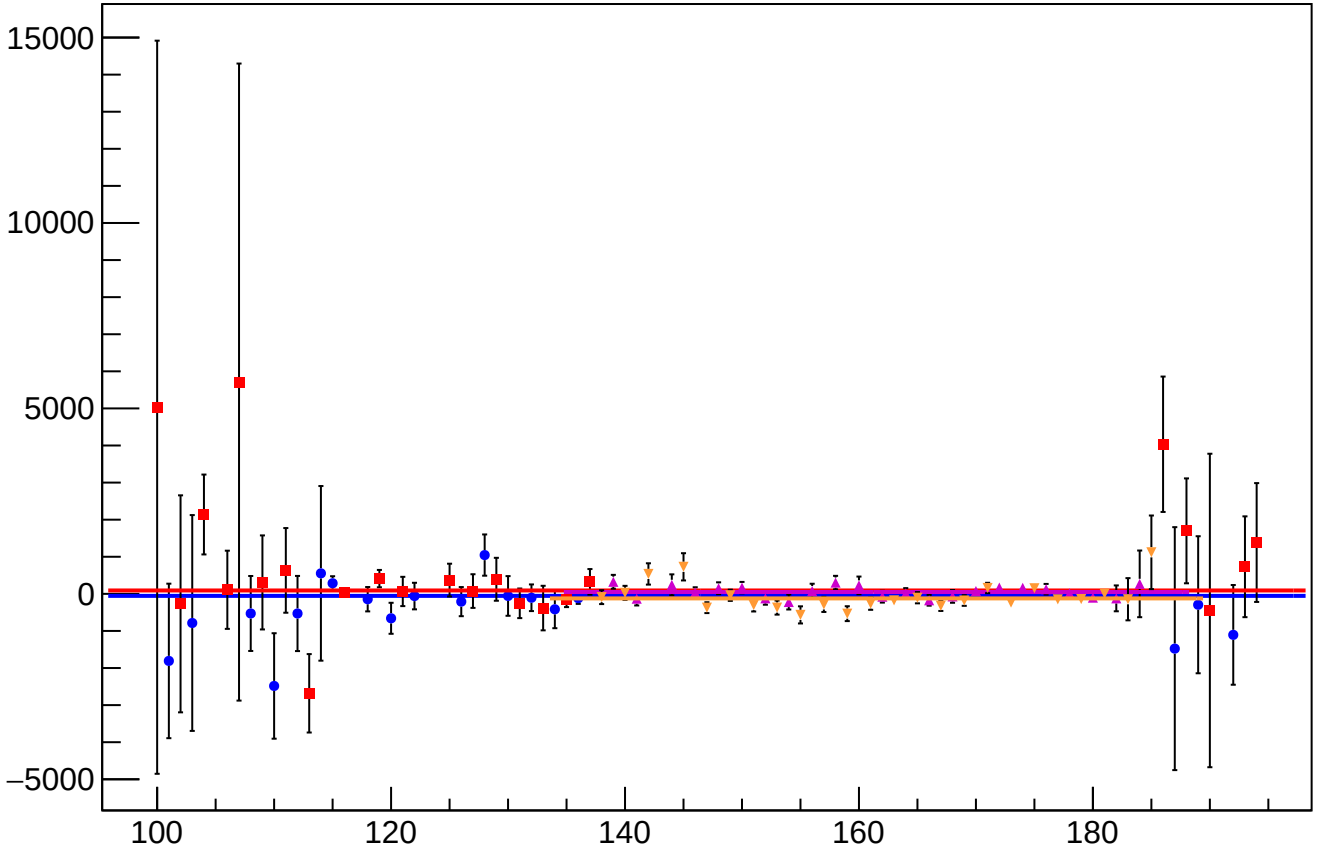
Right: 2284.186+/-0.369 χ^2/NDF: 696817.0/41

In: 2210.243+/-0.301 χ^2/NDF:548111.0/41

Out: 2215.975+/-0.291 χ^2/NDF:205480.4/46

All: 2213.208+/-0.209 χ^2/NDF: 753779.2/88

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -54.447+/-90.569 χ^2/NDF: 15.2/18

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 91.217+/-81.828 χ^2/NDF: 24.3/22

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

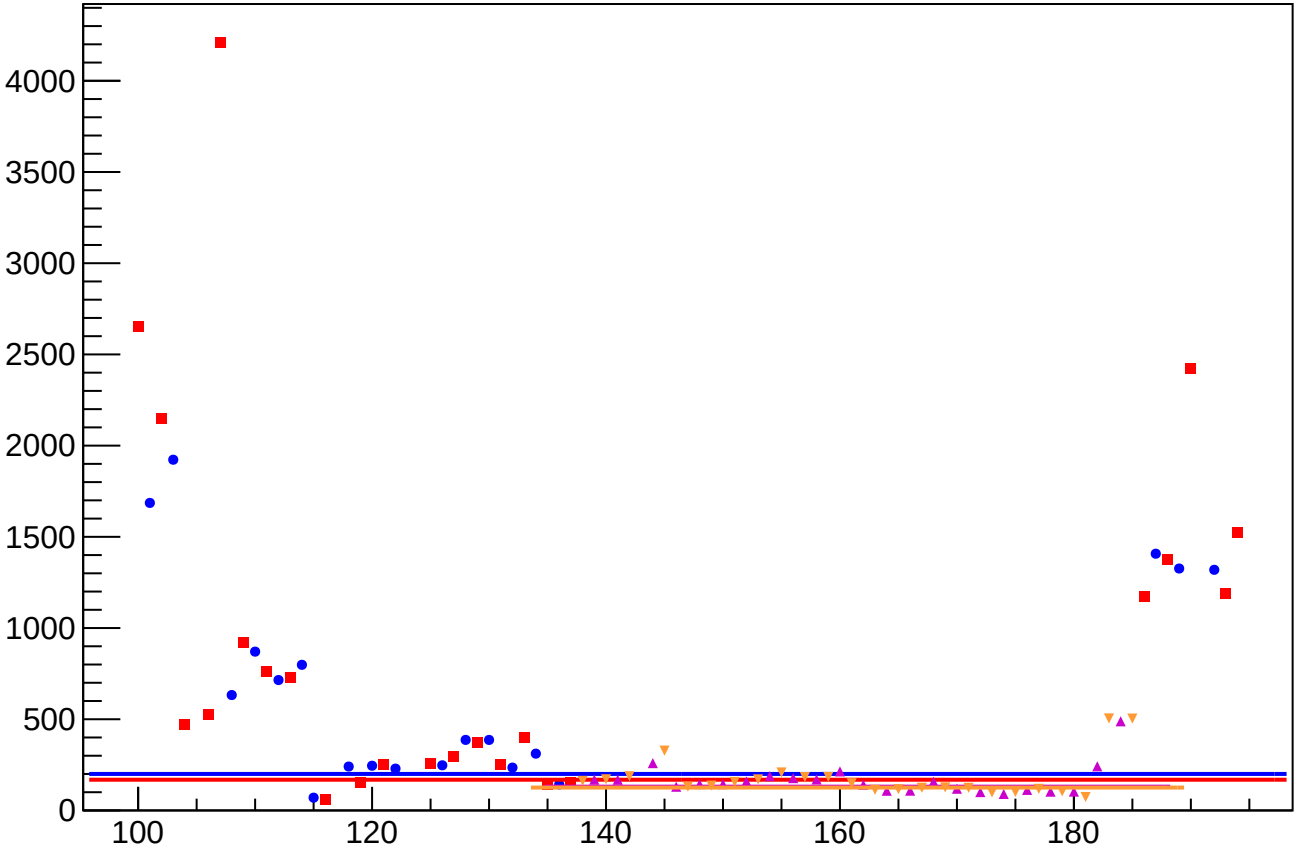
Right: 25.752+/-60.717 χ^2/NDF: 40.9/41

In: 38.239+/-30.630 χ^2/NDF:34.6/41

Out: -95.430+/-29.322 χ^2/NDF:74.1/46

All: -31.510+/-21.181 χ^2/NDF: 118.6/88

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 200.180+/-0.064 χ^2/NDF: 7482656.6/18

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 168.428+/-0.058 χ^2/NDF: 11357139.4/22

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

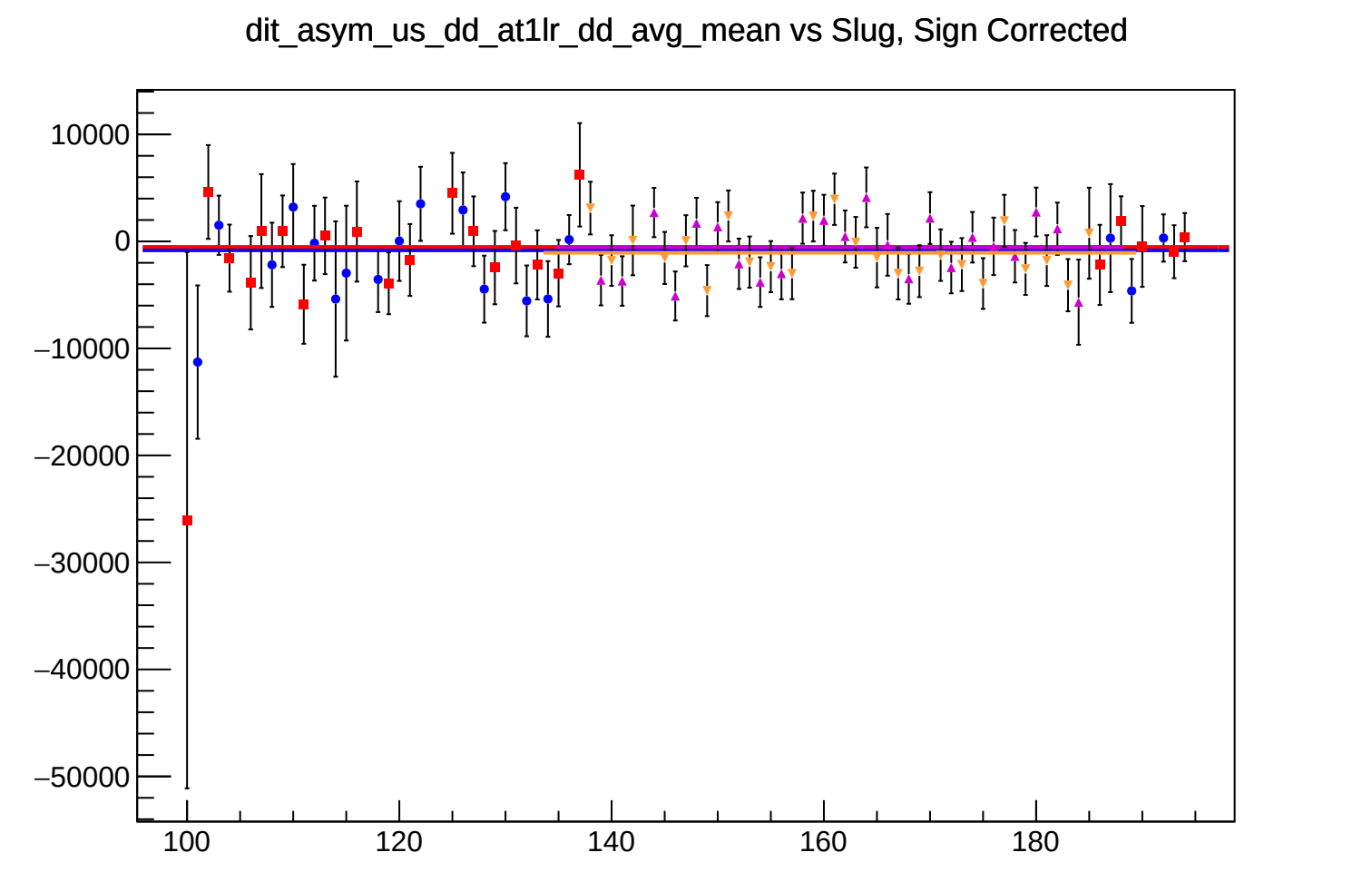
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 182.698+/-0.043 χ^2/NDF: 18975137.4/41

In: 138.426+/-0.022 χ^2/NDF:11211928.7/41

Out: 131.014+/-0.021 χ^2/NDF:15780414.3/46

All: 134.559+/-0.015 χ^2/NDF: 27053451.7/88



Right In: -829.266+/-774.461 χ^2/NDF: 17.8/18

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: -514.105+/-707.765 χ^2/NDF: 13.8/22

Left In: -544.260+/-509.433 χ^2/NDF:27.9/22

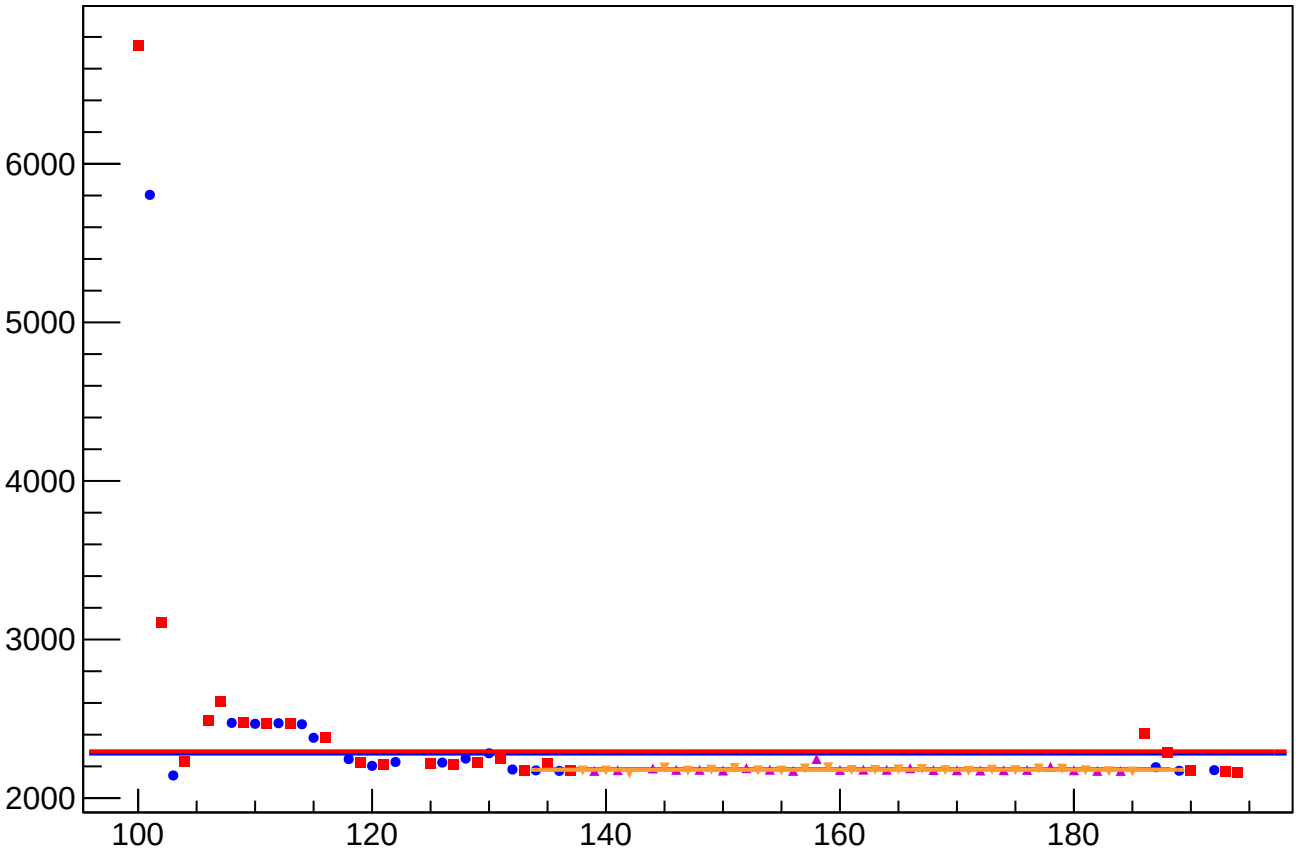
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -657.533+/-522.456 χ^2/NDF: 31.7/41

In: -630.336+/-425.609 χ^2/NDF:45.8/41

Out: -877.108+/-411.423 χ^2/NDF:36.0/46

All: -757.903+/-295.808 χ^2/NDF: 82.0/88



Right In: 2280.574+/-0.548 χ^2/NDF: 523488.6/18

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2294.789+/-0.500 χ^2/NDF: 186932.3/22

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

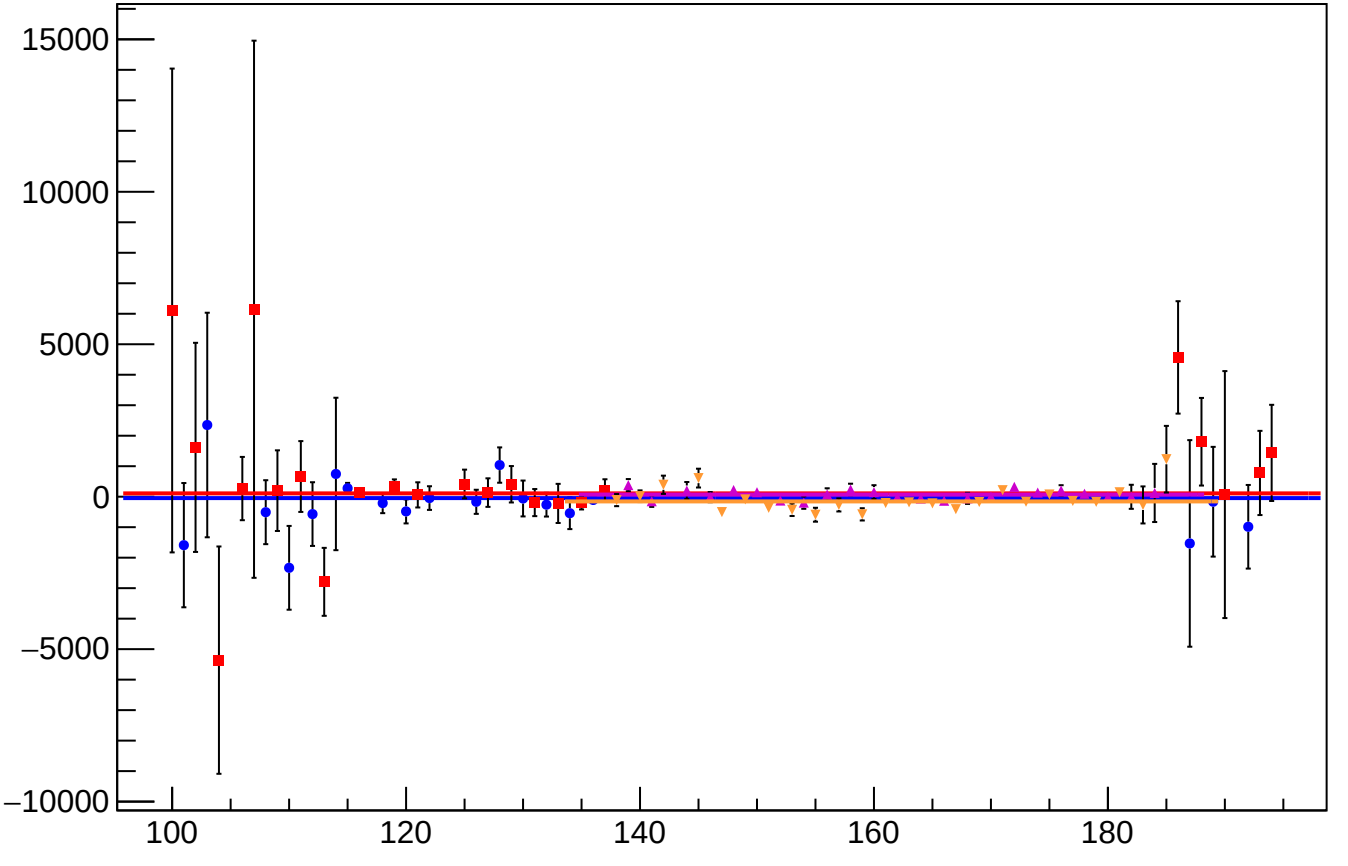
Right: 2288.320+/-0.369 χ^2/NDF: 710788.0/41

In: 2211.688+/-0.301 χ^2/NDF:547996.0/41

Out: 2217.797+/-0.291 χ^2/NDF:223134.0/46

All: 2214.846+/-0.209 χ^2/NDF: 771342.9/88

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -45.810+/-92.045 χ^2/NDF: 14.7/18

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: 108.729+/-85.530 χ^2/NDF: 23.2/22

Left In: 70.142+/-34.204 χ^2/NDF:18.9/22

Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

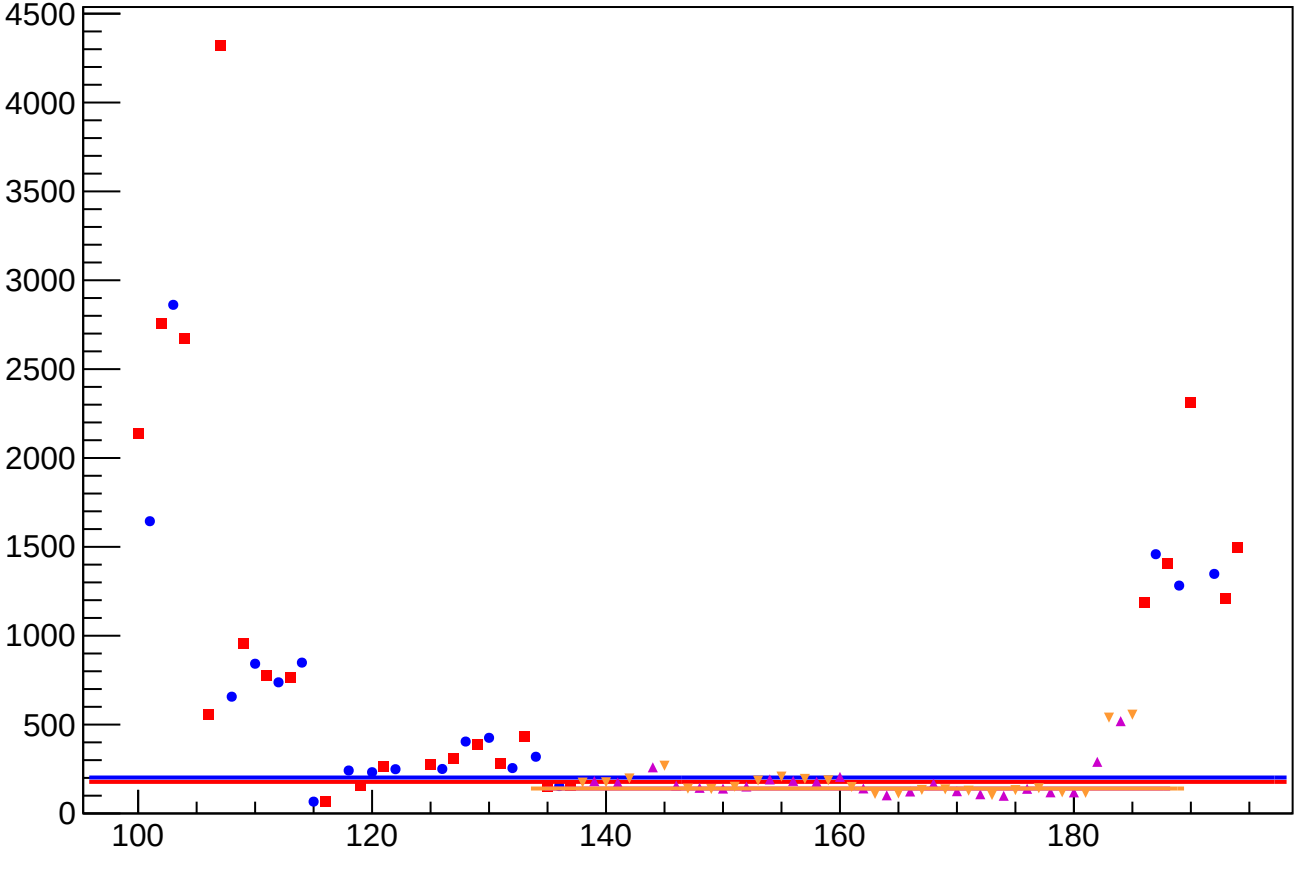
Right: 37.122+/-62.656 χ^2/NDF: 39.5/41

In: 56.073+/-32.062 χ^2/NDF:35.1/41

Out: -118.663+/-31.644 χ^2/NDF:78.7/46

All: -32.443+/-22.522 χ^2/NDF: 128.8/88

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 202.238+/-0.065 χ^2/NDF: 8027407.8/18

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 177.618+/-0.060 χ^2/NDF: 12261050.2/22

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

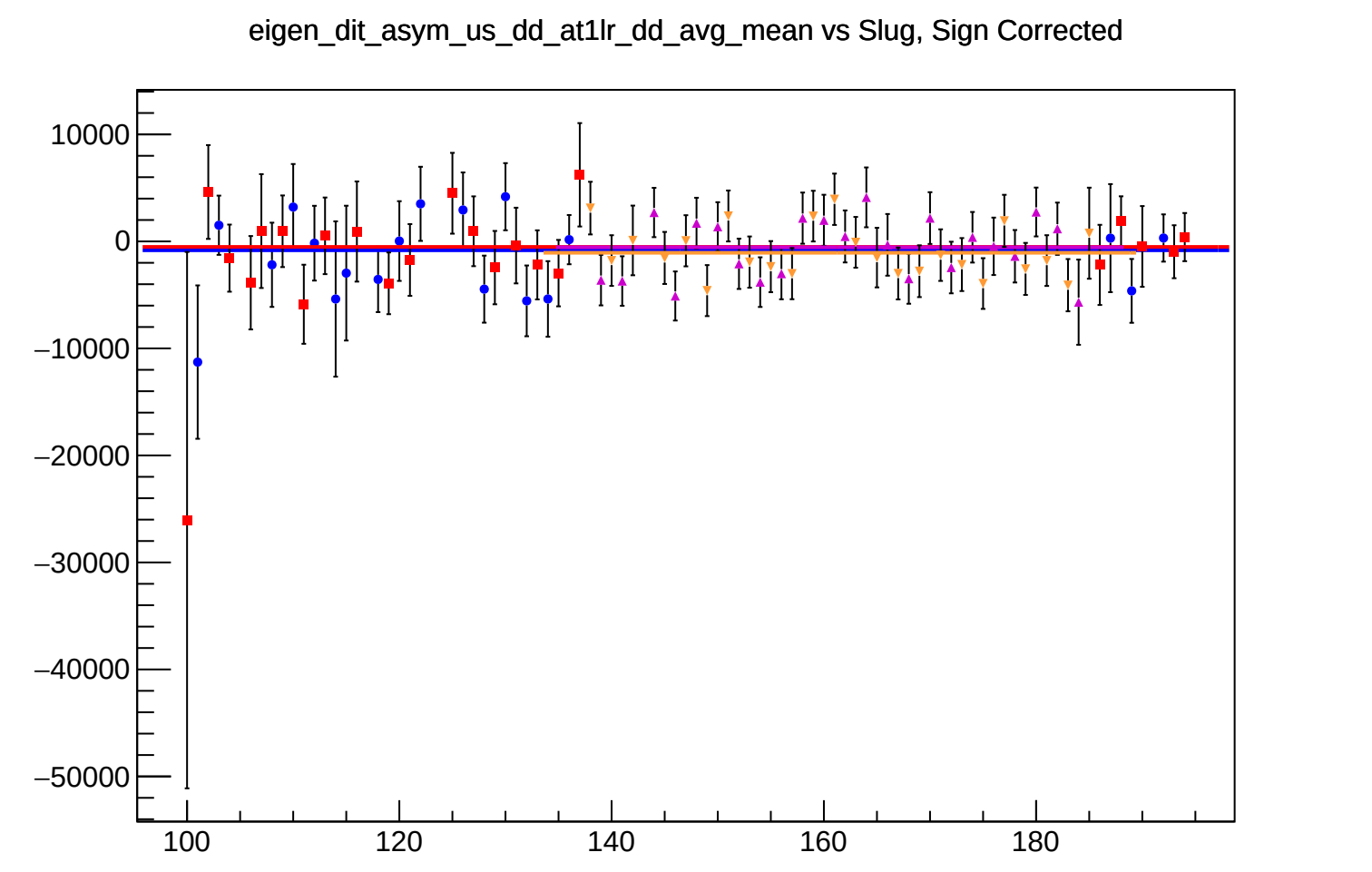
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

Right: 189.026+/-0.044 χ^2/NDF: 20365244.3/41

In: 147.533+/-0.023 χ^2/NDF:11243873.7/41

Out: 145.424+/-0.022 χ^2/NDF:15349633.7/46

All: 146.465+/-0.016 χ^2/NDF: 26597889.2/88



Right In: -829.267+/-774.461 χ^2/NDF: 17.8/18

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: -514.105+/-707.765 χ^2/NDF: 13.8/22

Left In: -544.259+/-509.433 χ^2/NDF:27.9/22

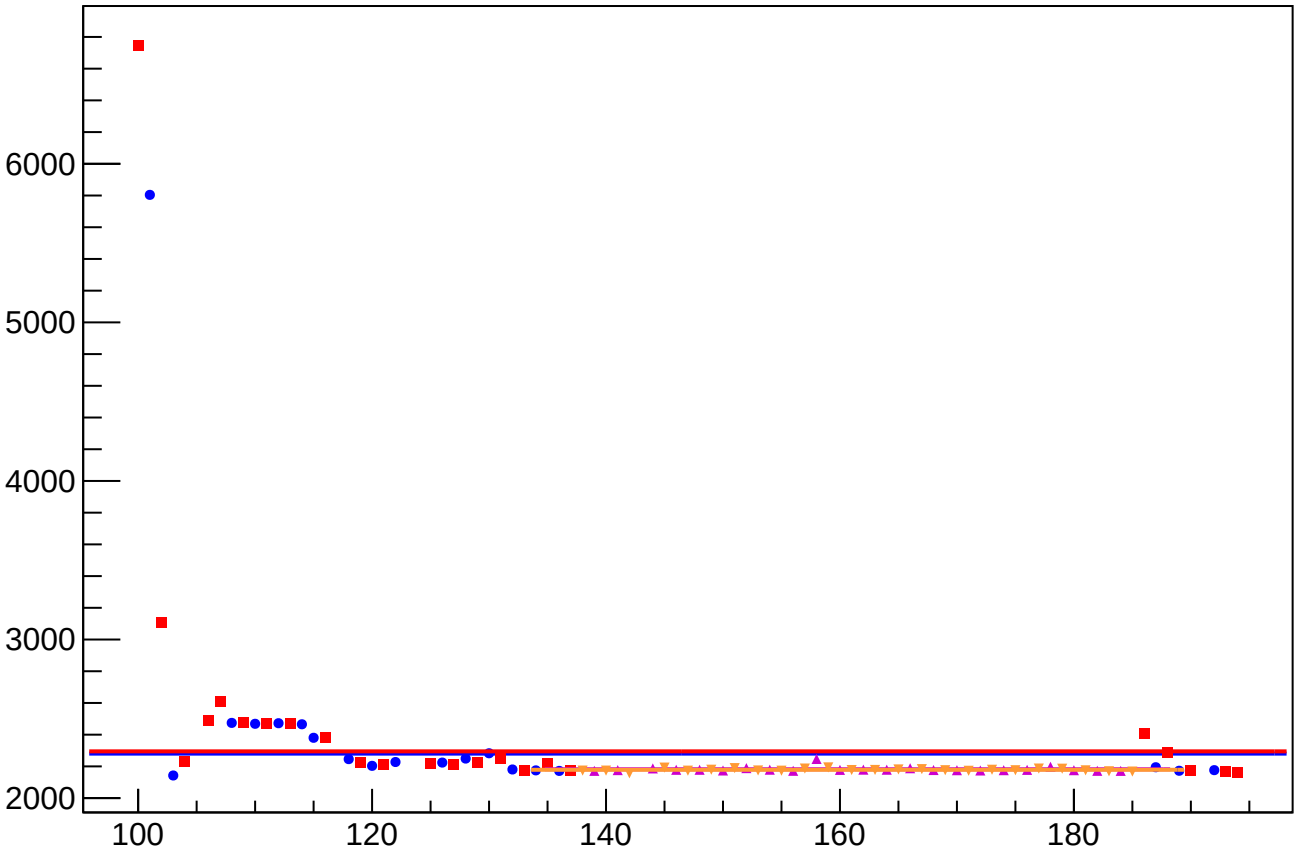
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -657.533+/-522.456 χ^2/NDF: 31.7/41

In: -630.335+/-425.609 χ^2/NDF:45.8/41

Out: -877.108+/-411.423 χ^2/NDF:36.0/46

All: -757.903+/-295.808 χ^2/NDF: 82.0/88



Right In: 2280.574+/-0.548 χ^2/NDF: 523488.6/18

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2294.789+/-0.500 χ^2/NDF: 186932.2/22

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

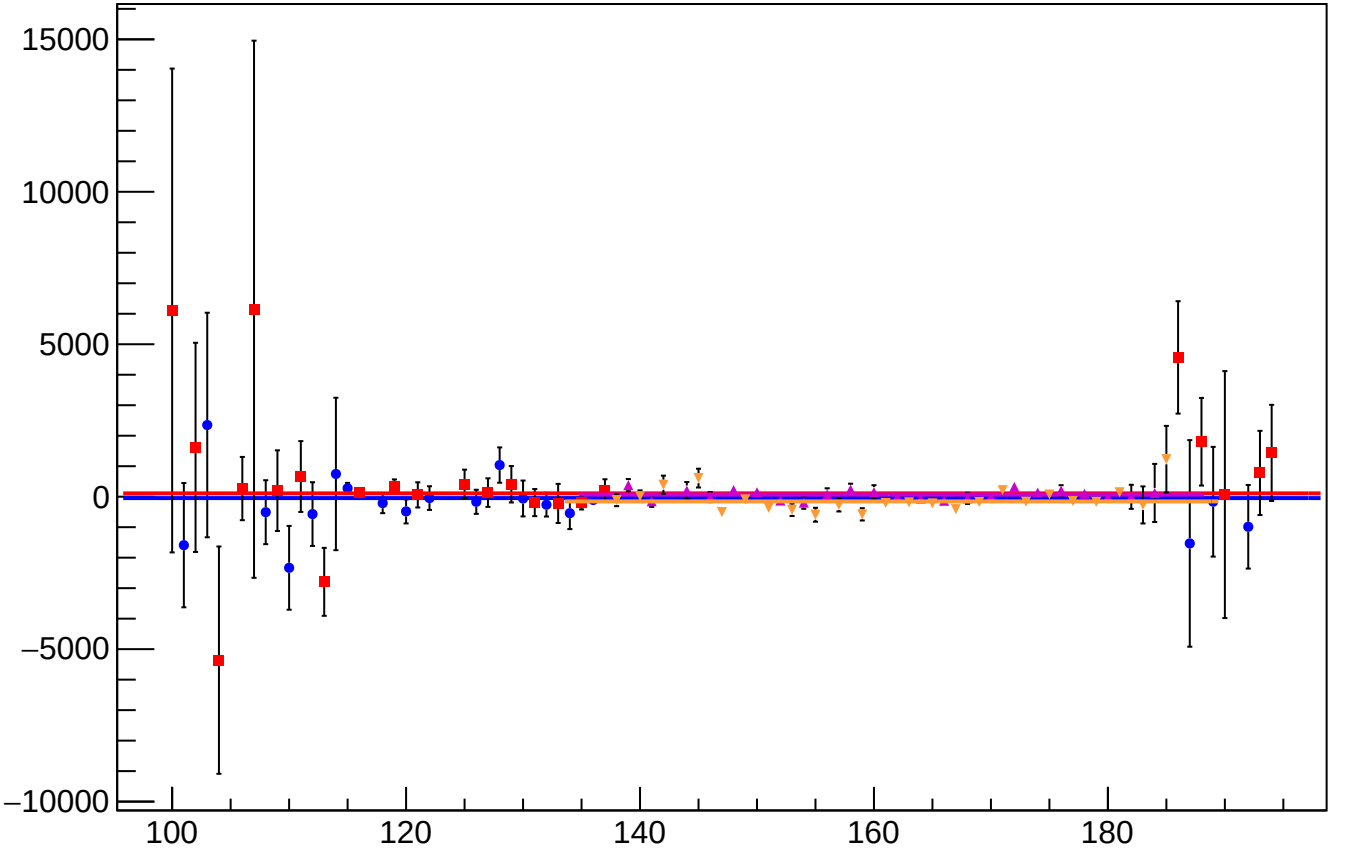
Right: 2288.320+/-0.369 χ^2/NDF: 710787.9/41

In: 2211.688+/-0.301 χ^2/NDF:547996.0/41

Out: 2217.797+/-0.291 χ^2/NDF:223133.8/46

All: 2214.846+/-0.209 χ^2/NDF: 771342.8/88

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -45.807+/-92.044 χ^2/NDF: 14.7/18

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

Right Out: 108.729+/-85.529 χ^2/NDF: 23.2/22

Left In: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

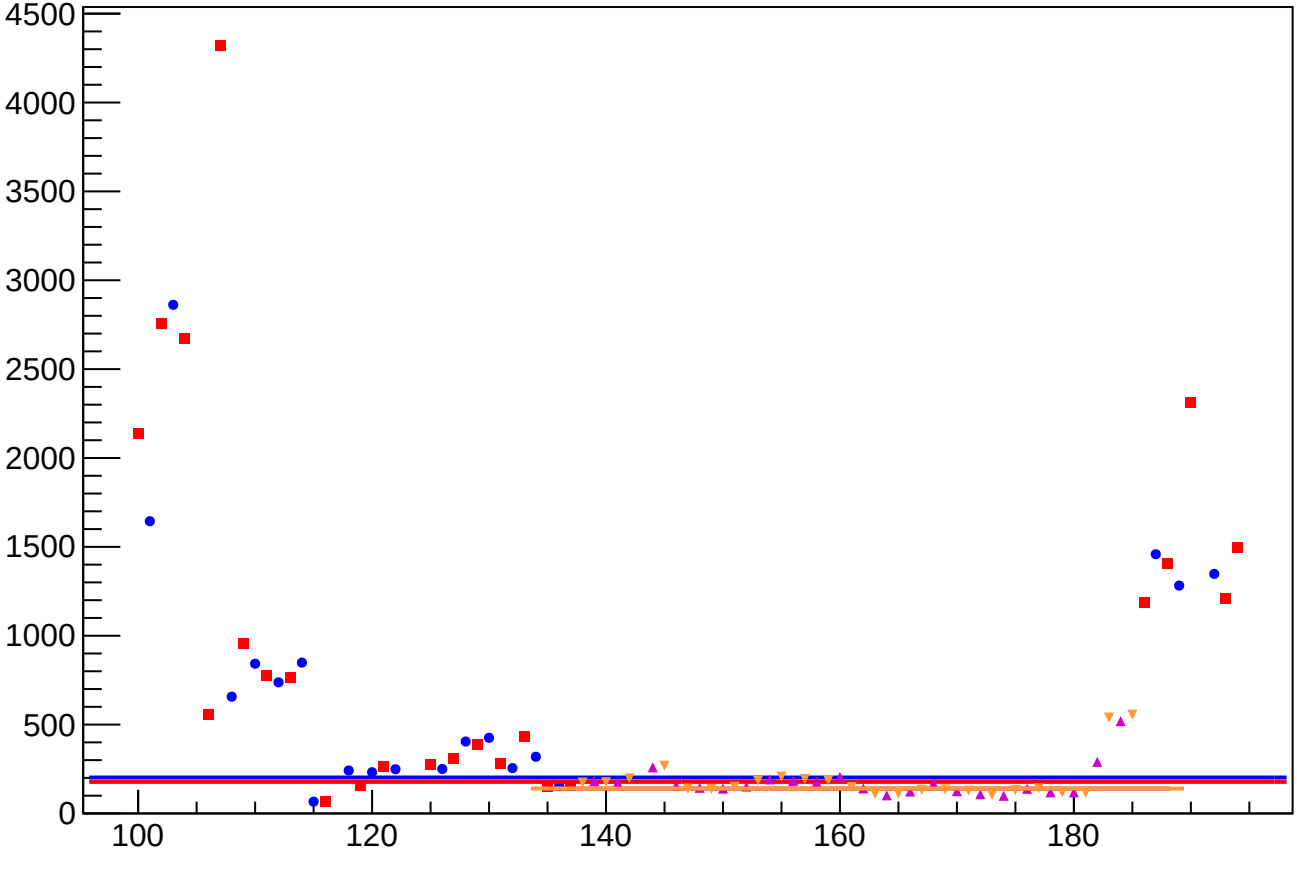
Right: 37.123+/-62.655 χ^2/NDF: 39.5/41

In: 56.072+/-32.062 χ^2/NDF:35.1/41

Out: -118.664+/-31.644 χ^2/NDF:78.7/46

All: -32.444+/-22.522 χ^2/NDF: 128.8/88

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 202.236+/-0.065 χ^2/NDF: 8027454.1/18

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 177.616+/-0.060 χ^2/NDF: 12261127.3/22

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

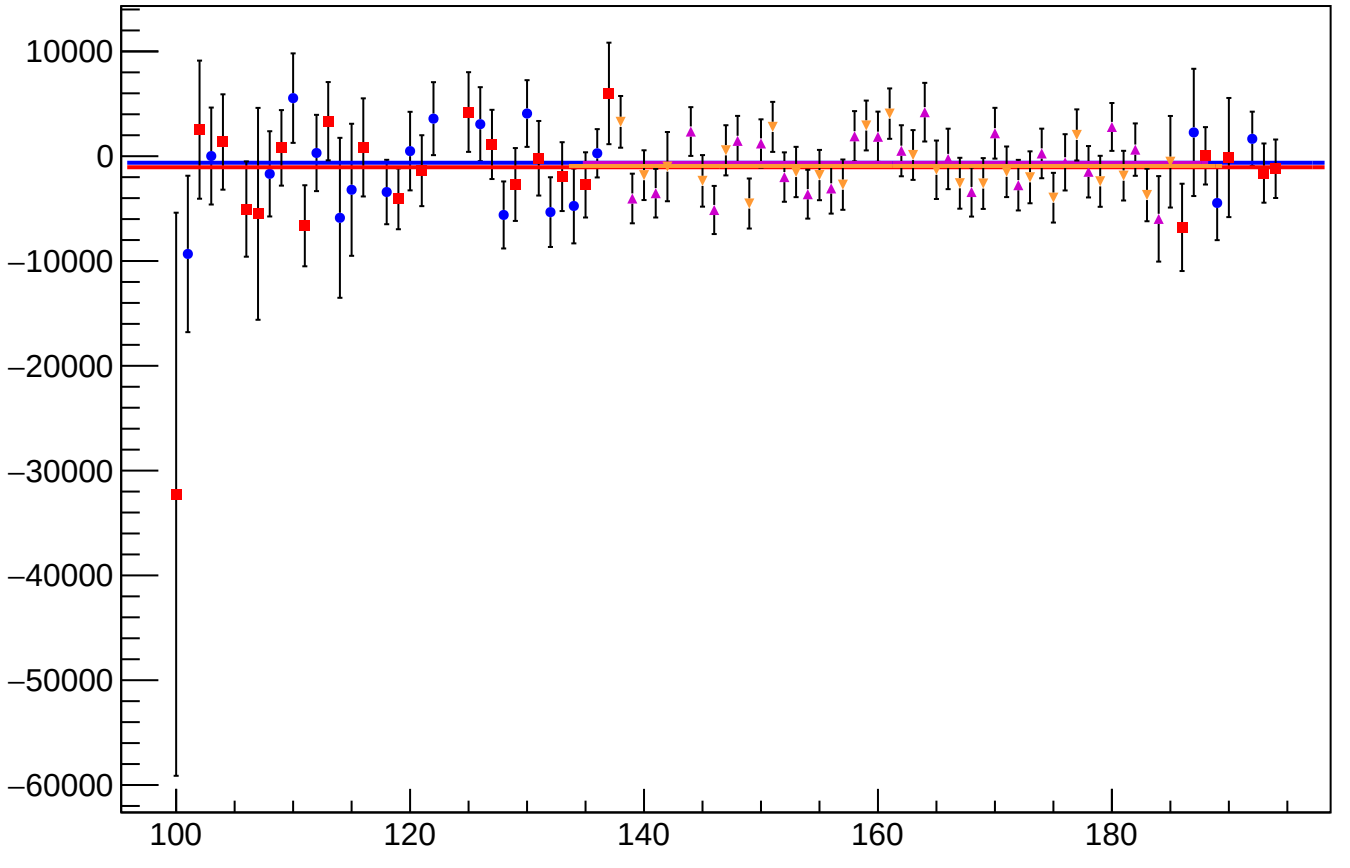
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 189.024+/-0.044 χ^2/NDF: 20365369.8/41

In: 147.533+/-0.023 χ^2/NDF:11243919.9/41

Out: 145.424+/-0.022 χ^2/NDF:15349661.5/46

All: 146.465+/-0.016 χ^2/NDF: 26597962.9/88



Right In: -624.461+/-831.435 χ^2/NDF: 18.0/18

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: -1055.313+/-782.041 χ^2/NDF: 15.1/22

Left In: -642.773+/-511.372 χ^2/NDF:27.0/22

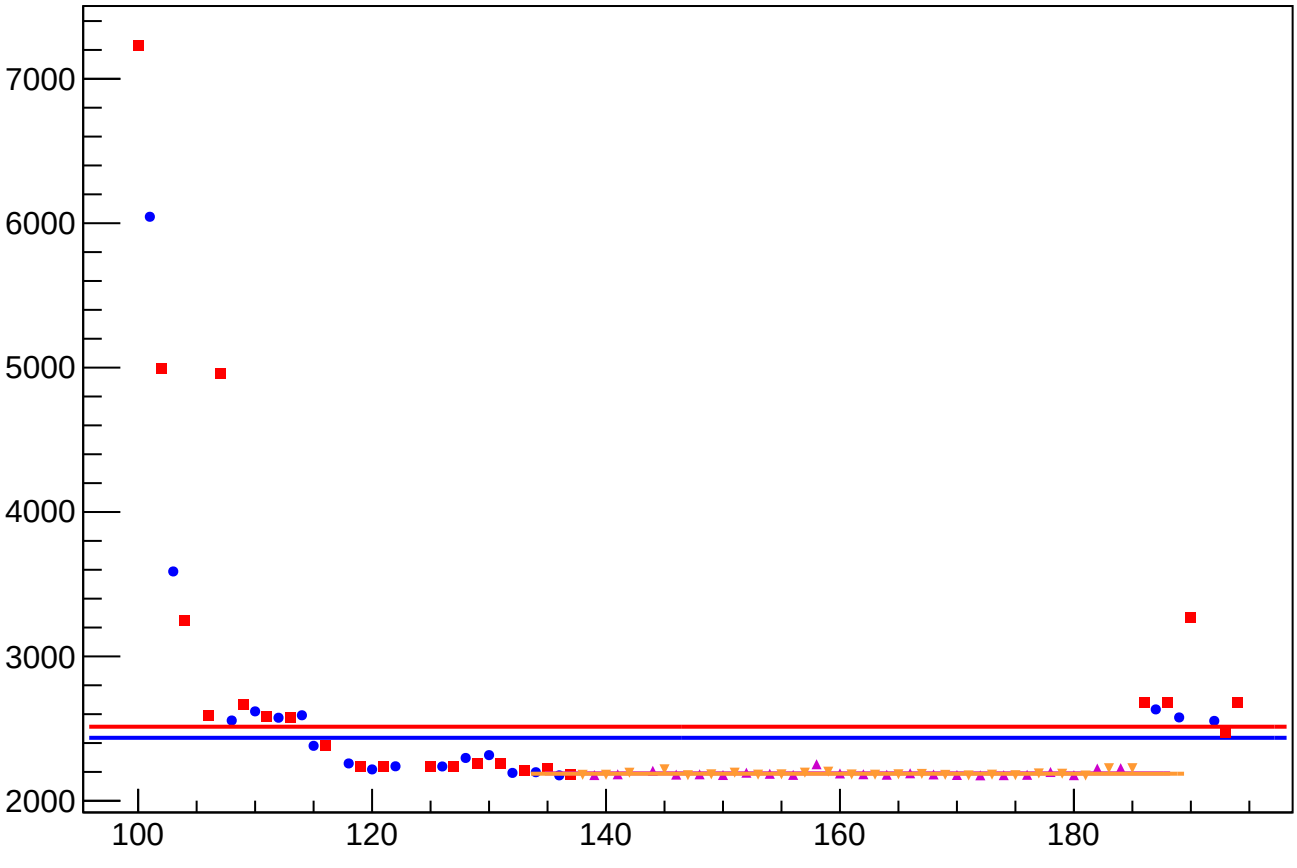
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -853.064+/-569.648 χ^2/NDF: 33.2/41

In: -637.747+/-435.580 χ^2/NDF:45.0/41

Out: -968.565+/-425.844 χ^2/NDF:37.5/46

All: -806.894+/-304.501 χ^2/NDF: 82.8/88



Right In: 2436.311+/-0.588 χ^2/NDF: 688171.5/18

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

Right Out: 2513.107+/-0.553 χ^2/NDF: 695970.7/22

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

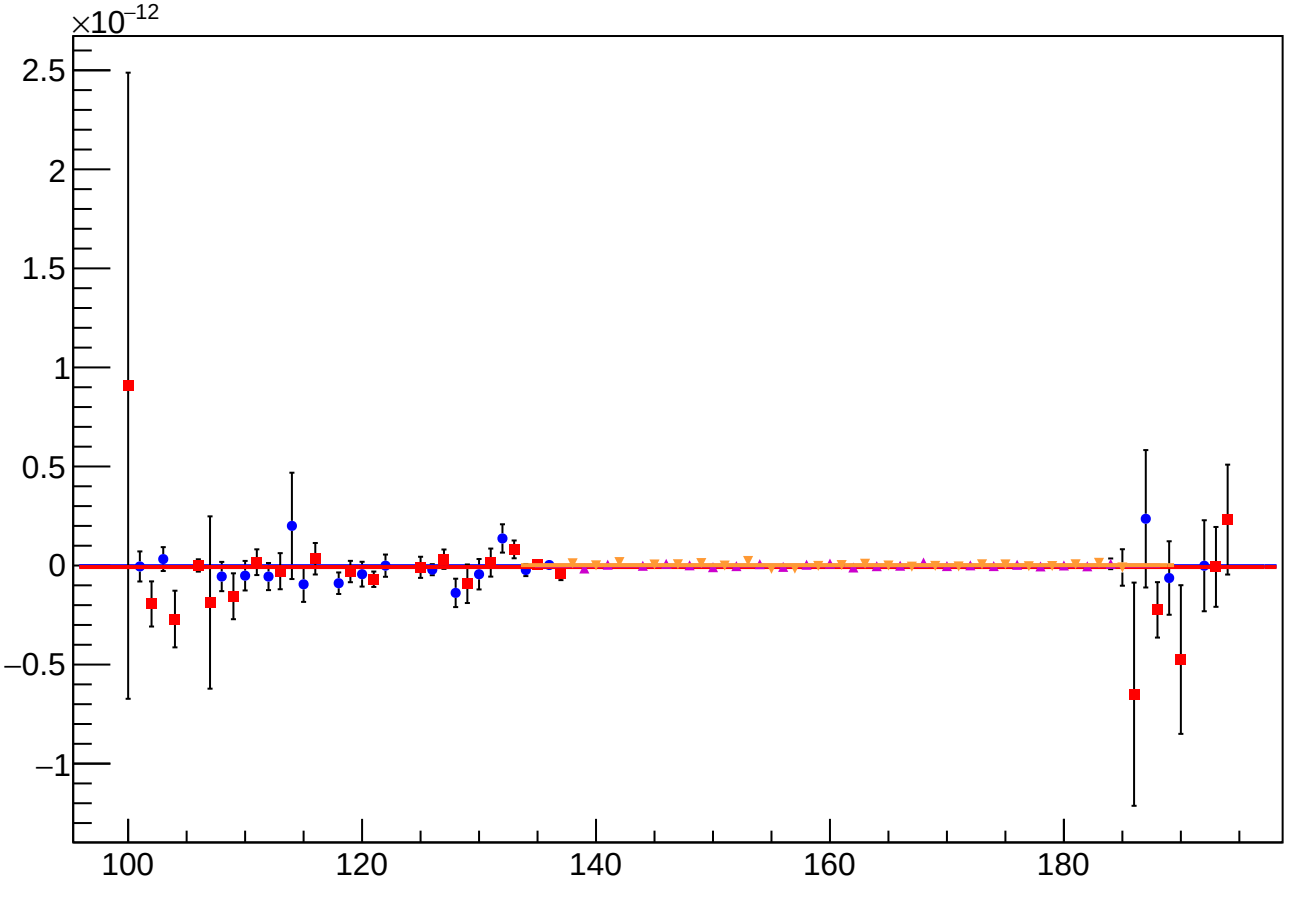
Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

Right: 2477.058+/-0.403 χ^2/NDF: 1393195.8/41

In: 2257.721+/-0.308 χ^2/NDF:817896.2/41

Out: 2284.131+/-0.301 χ^2/NDF:941037.0/46

All: 2271.224+/-0.215 χ^2/NDF: 1762692.6/88



Right In: -0.000+/-0.000 χ^2/NDF: 16.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.9/22

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

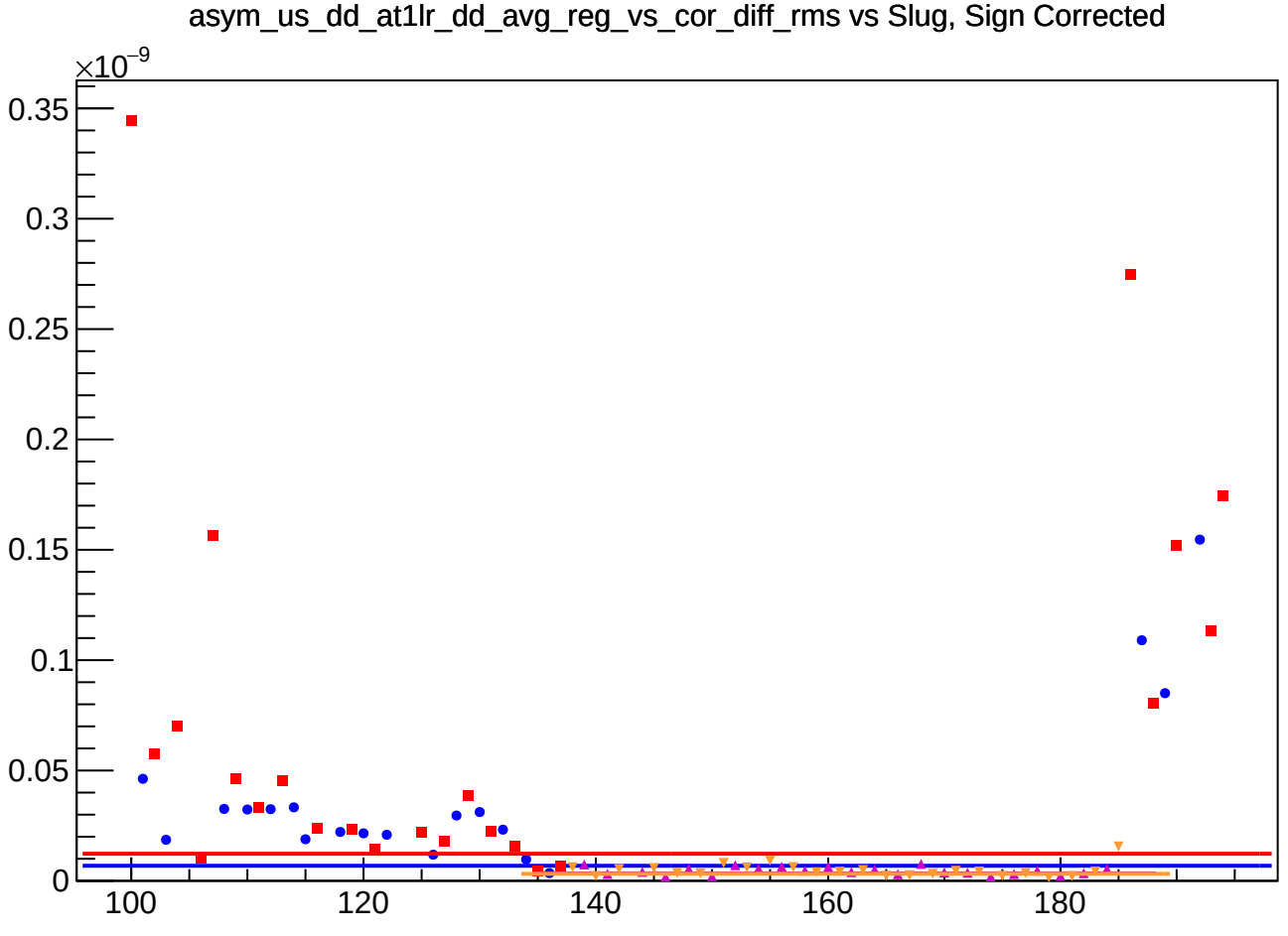
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

Right: -0.000+/-0.000 χ^2/NDF: 41.2/41

In: -0.000+/-0.000 χ^2/NDF:29.7/41

Out: 0.000+/-0.000 χ^2/NDF:45.3/46

All: 0.000+/-0.000 χ^2/NDF: 75.9/88



Right In: 0.000+/-0.000 χ^2/NDF: 4216232.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5092183.2/22

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3787444.9/46

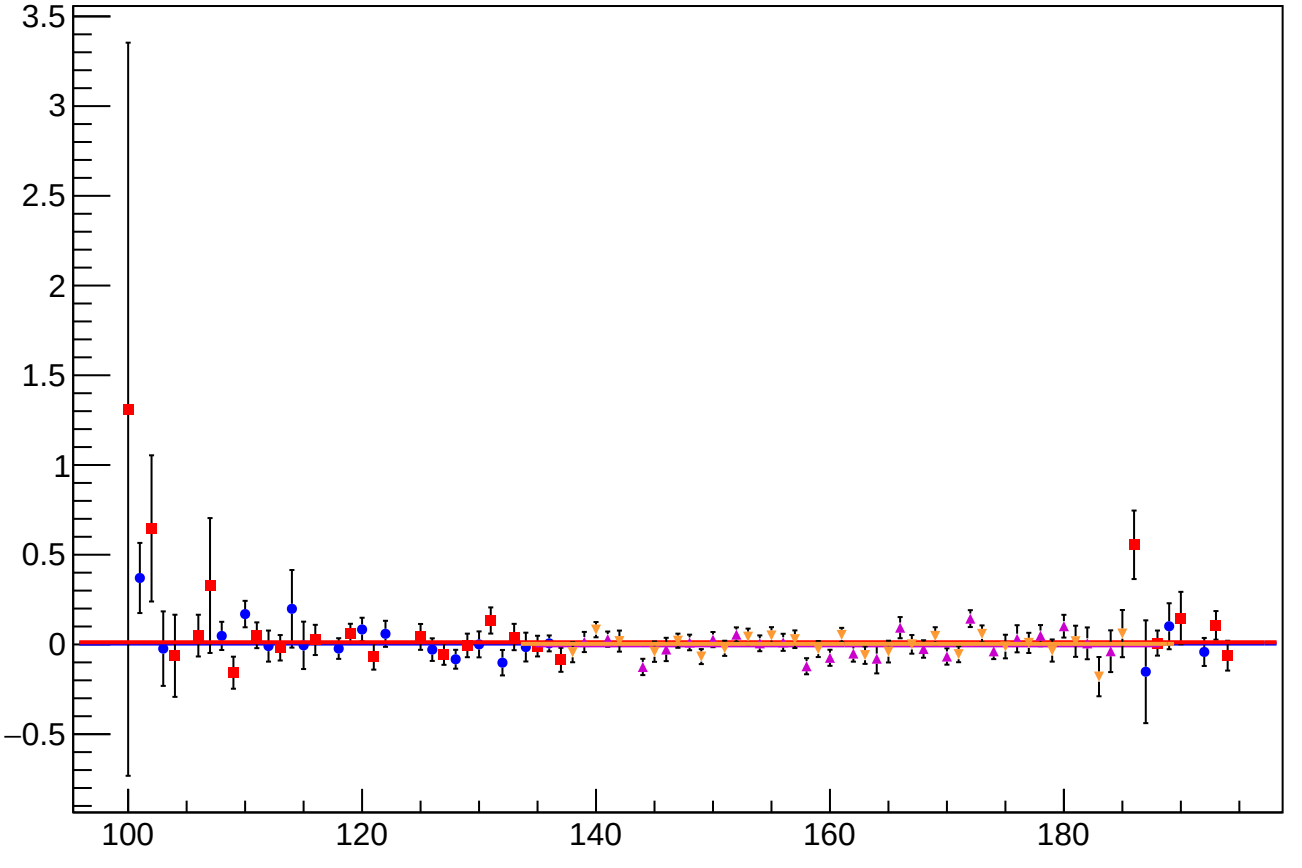
Right: 0.000+/-0.000 χ^2/NDF: 9752833.6/41

In: 0.000+/-0.000 χ^2/NDF:6481722.3/41

Out: 0.000+/-0.000 χ^2/NDF:8875264.2/46

All: 0.000+/-0.000 χ^2/NDF: 15377565.7/88

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.018 χ^2/NDF: 18.5/18

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.012+/-0.017 χ^2/NDF: 27.6/22

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

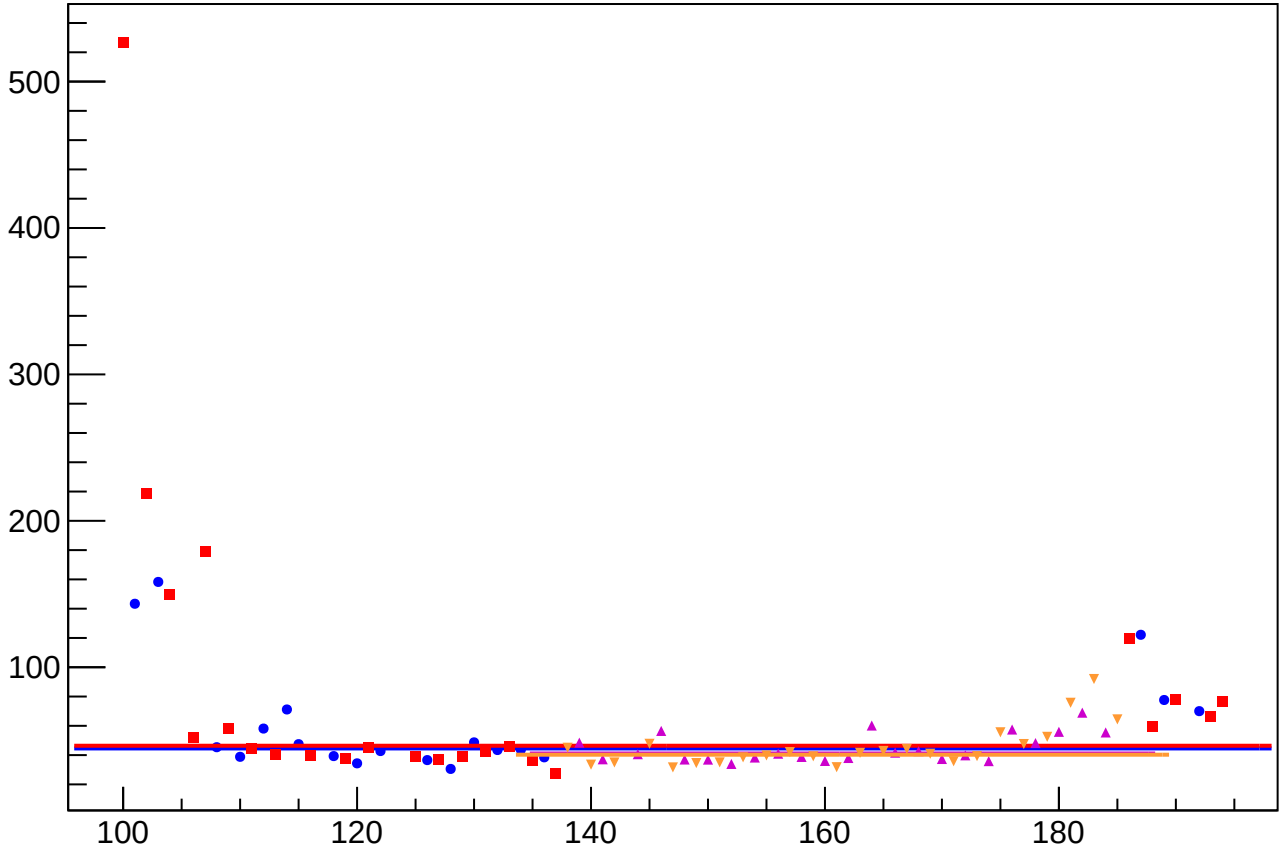
Right: 0.009+/-0.012 χ^2/NDF: 46.2/41

In: -0.003+/-0.009 χ^2/NDF:60.1/41

Out: 0.006+/-0.009 χ^2/NDF:49.7/46

All: 0.002+/-0.006 χ^2/NDF: 110.2/88

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.547+/-0.012 χ^2/NDF: 1981732.4/18

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 46.394+/-0.012 χ^2/NDF: 2410755.8/22

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

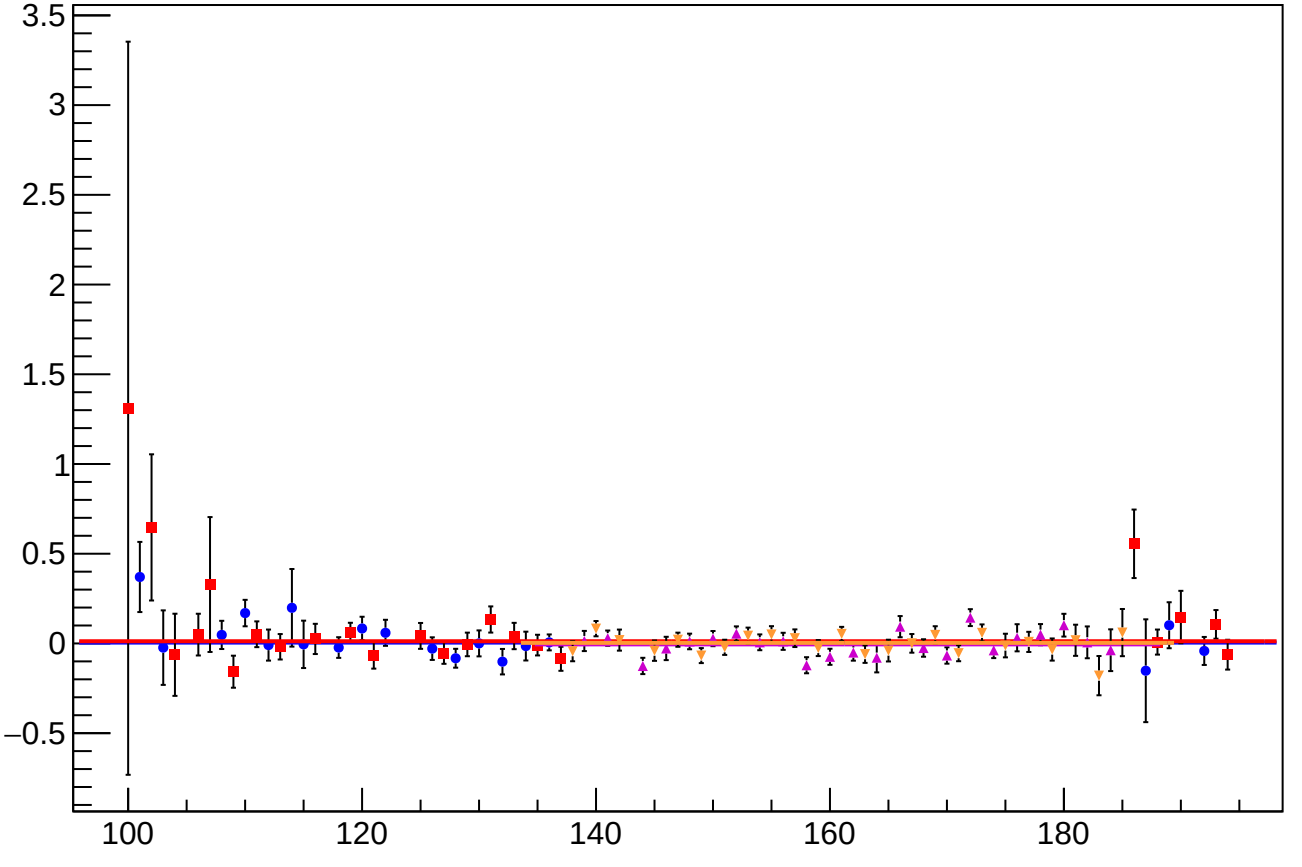
Right: 45.503+/-0.009 χ^2/NDF: 4403922.0/41

In: 42.001+/-0.006 χ^2/NDF:2965675.8/41

Out: 41.941+/-0.006 χ^2/NDF:4089170.7/46

All: 41.971+/-0.004 χ^2/NDF: 7054891.8/88

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.018 χ^2/NDF: 18.5/18

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.012+/-0.017 χ^2/NDF: 27.6/22

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

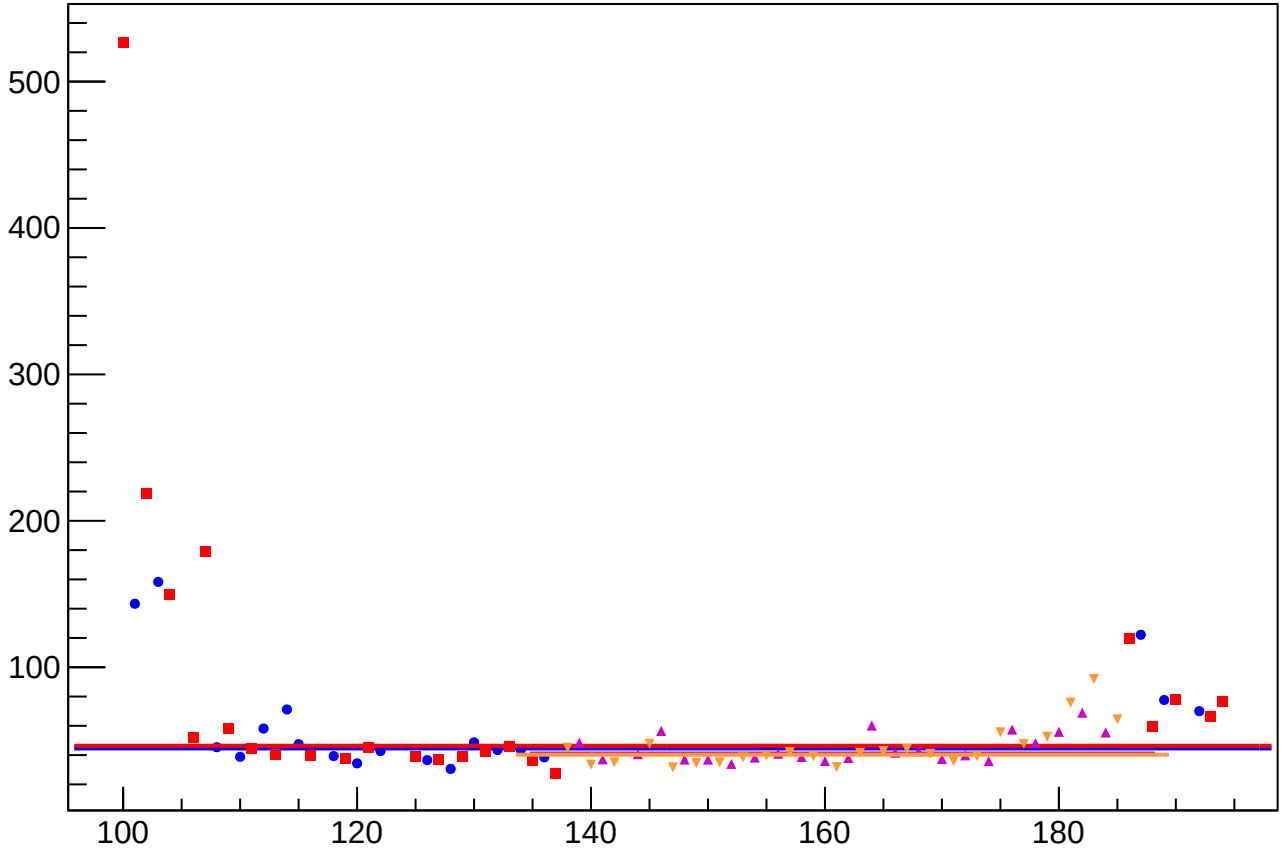
Right: 0.009+/-0.012 χ^2/NDF: 46.2/41

In: -0.003+/-0.009 χ^2/NDF:60.1/41

Out: 0.006+/-0.009 χ^2/NDF:49.7/46

All: 0.002+/-0.006 χ^2/NDF: 110.2/88

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.547+/-0.012 χ^2/NDF: 1981732.4/18

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 46.394+/-0.012 χ^2/NDF: 2410755.8/22

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

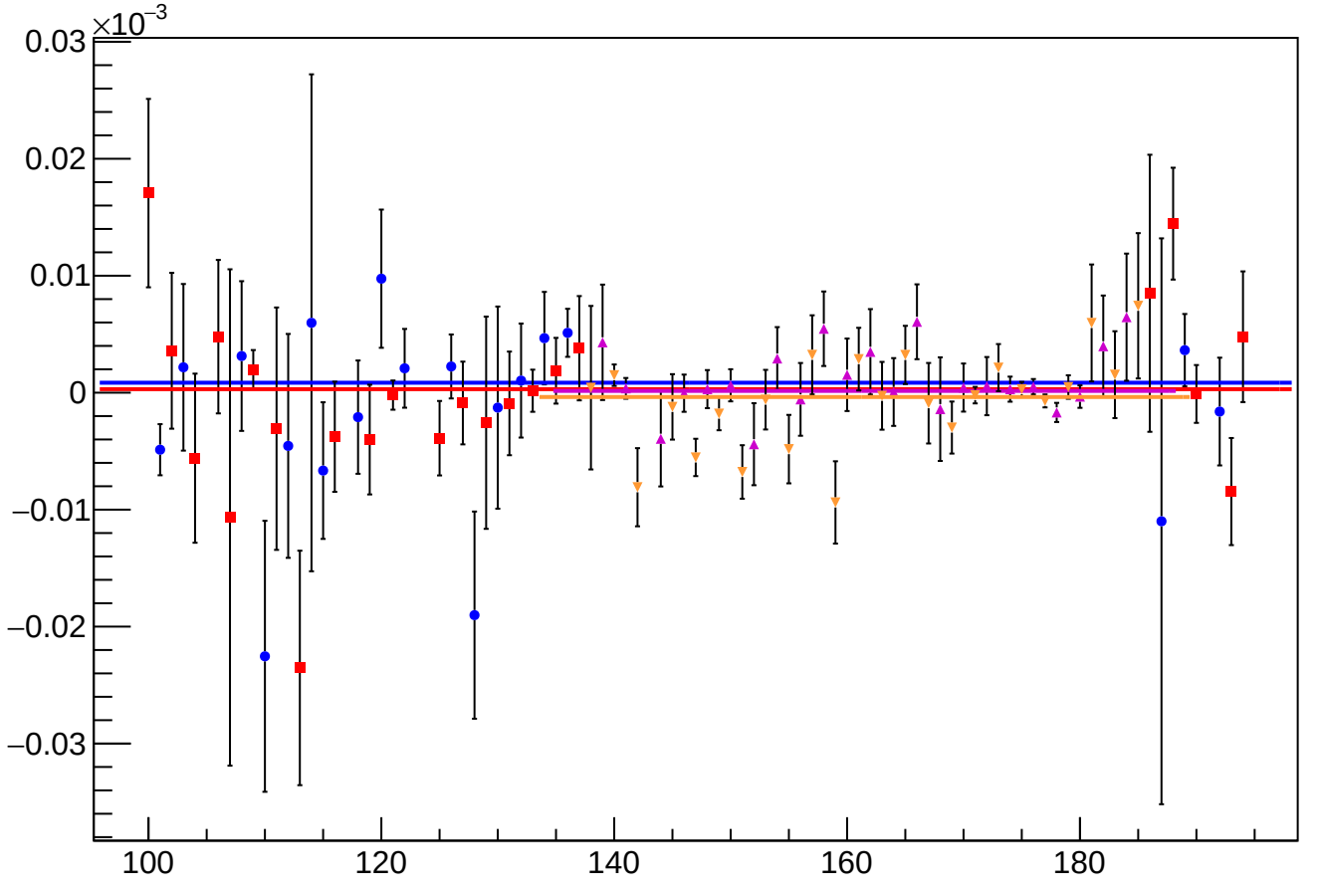
Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

Right: 45.503+/-0.009 χ^2/NDF: 4403922.0/41

In: 42.001+/-0.006 χ^2/NDF:2965675.8/41

Out: 41.941+/-0.006 χ^2/NDF:4089170.7/46

All: 41.971+/-0.004 χ^2/NDF: 7054891.8/88



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.0/22

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

Left: -0.000+/-0.000 χ^2/NDF: 72.6/46

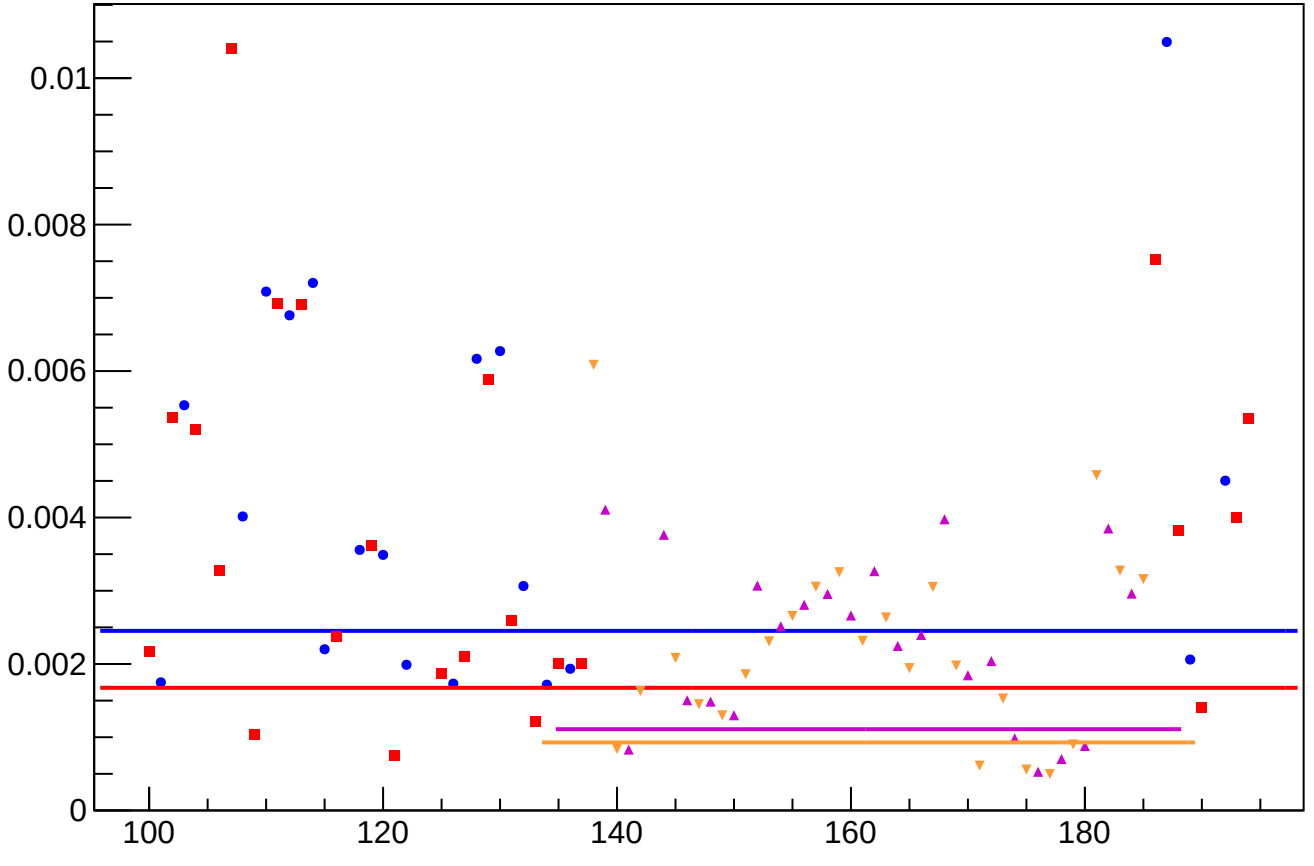
Right: 0.000+/-0.000 χ^2/NDF: 59.1/41

In: 0.000+/-0.000 χ^2/NDF:48.2/41

Out: -0.000+/-0.000 χ^2/NDF:83.1/46

All: -0.000+/-0.000 χ^2/NDF: 132.9/88

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3492012.5/18

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

Right Out: 0.002+/-0.000 χ^2/NDF: 7408339.3/22

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

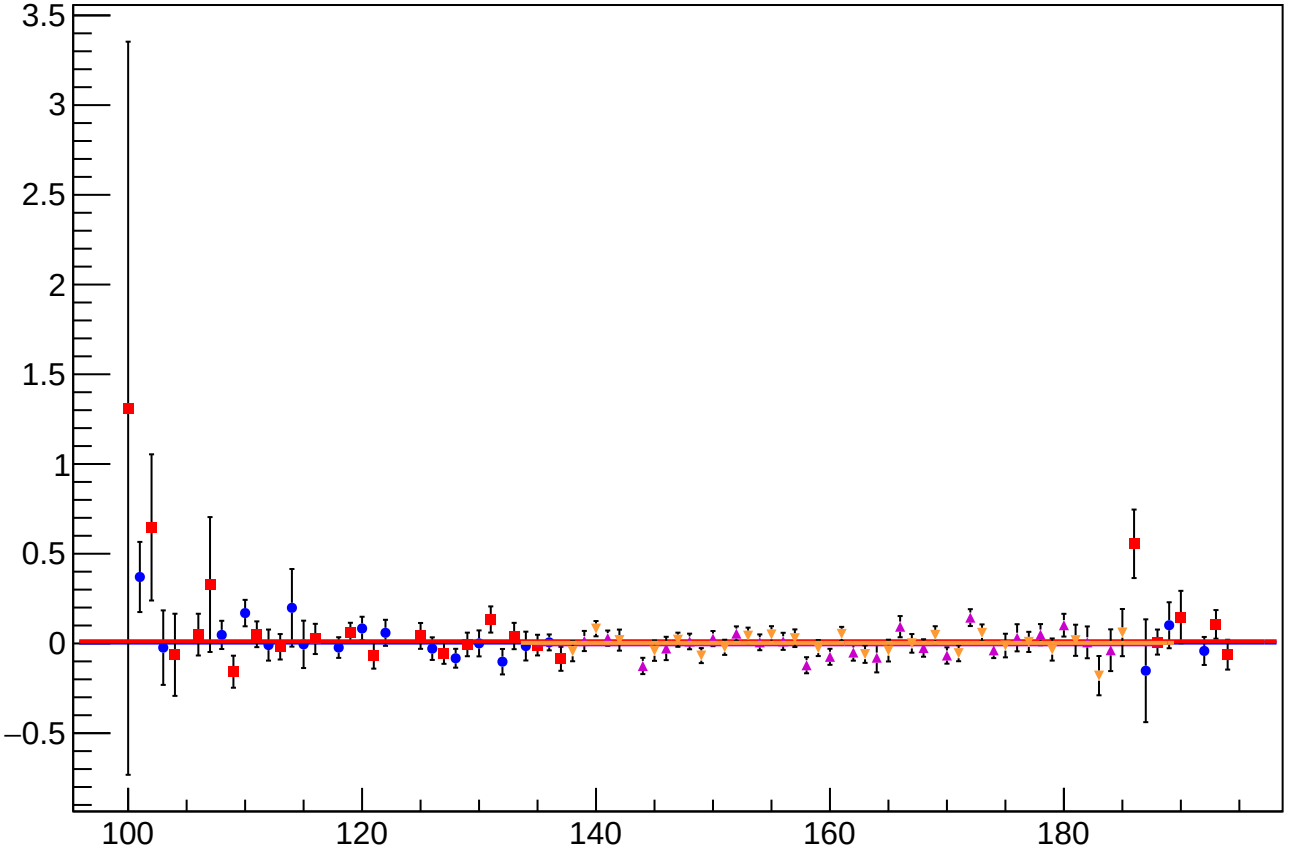
Right: 0.002+/-0.000 χ^2/NDF: 11799767.6/41

In: 0.001+/-0.000 χ^2/NDF:18043420.5/41

Out: 0.001+/-0.000 χ^2/NDF:22083509.5/46

All: 0.001+/-0.000 χ^2/NDF: 40680124.2/88

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.018 χ^2/NDF: 18.5/18

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.012+/-0.017 χ^2/NDF: 27.6/22

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

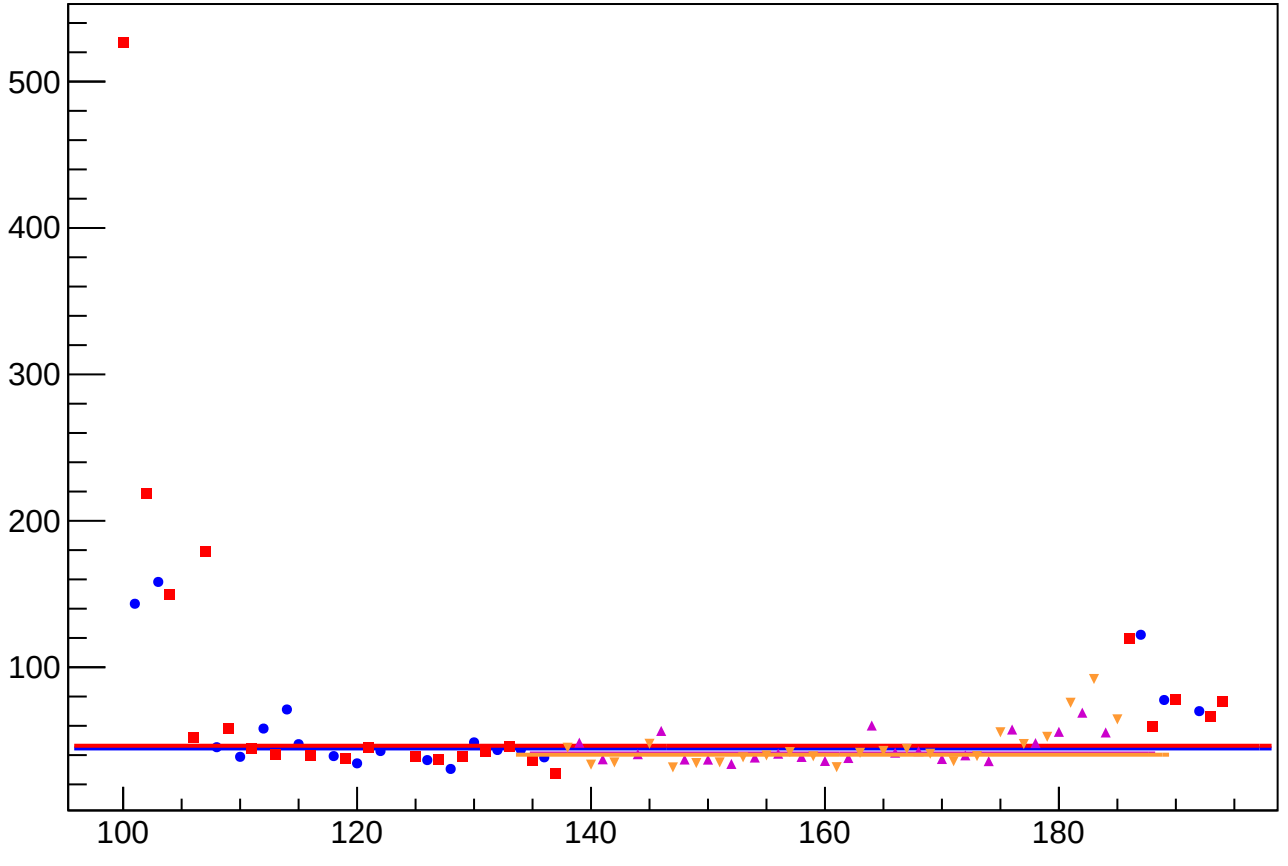
Right: 0.009+/-0.012 χ^2/NDF: 46.2/41

In: -0.003+/-0.009 χ^2/NDF:60.1/41

Out: 0.006+/-0.009 χ^2/NDF:49.7/46

All: 0.002+/-0.006 χ^2/NDF: 110.2/88

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.545+/-0.012 χ^2/NDF: 1982019.9/18

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 46.395+/-0.012 χ^2/NDF: 2410766.9/22

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

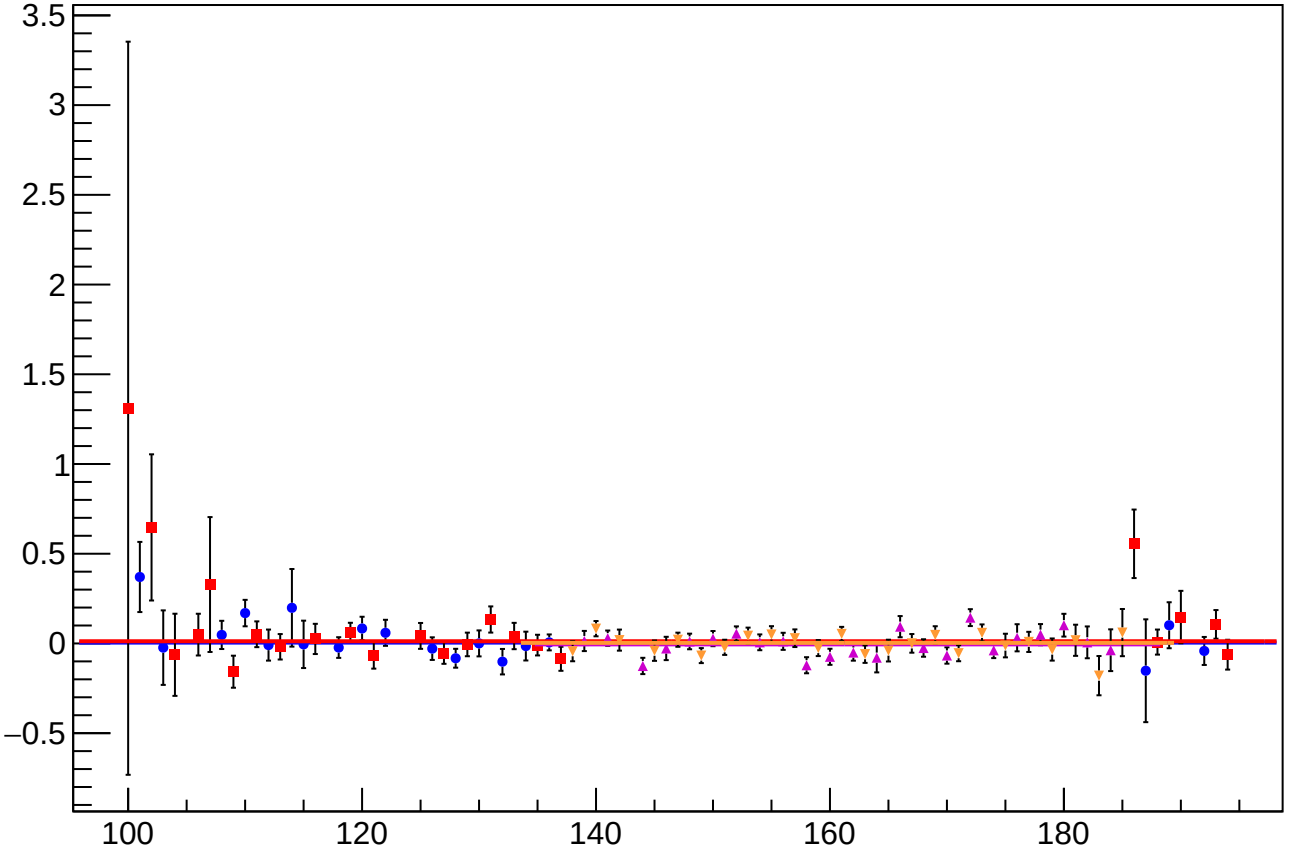
Right: 45.503+/-0.009 χ^2/NDF: 4404258.2/41

In: 42.001+/-0.006 χ^2/NDF:2965923.9/41

Out: 41.942+/-0.006 χ^2/NDF:4089191.0/46

All: 41.971+/-0.004 χ^2/NDF: 7055158.9/88

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.018 χ^2/NDF: 18.5/18

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.012+/-0.017 χ^2/NDF: 27.6/22

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

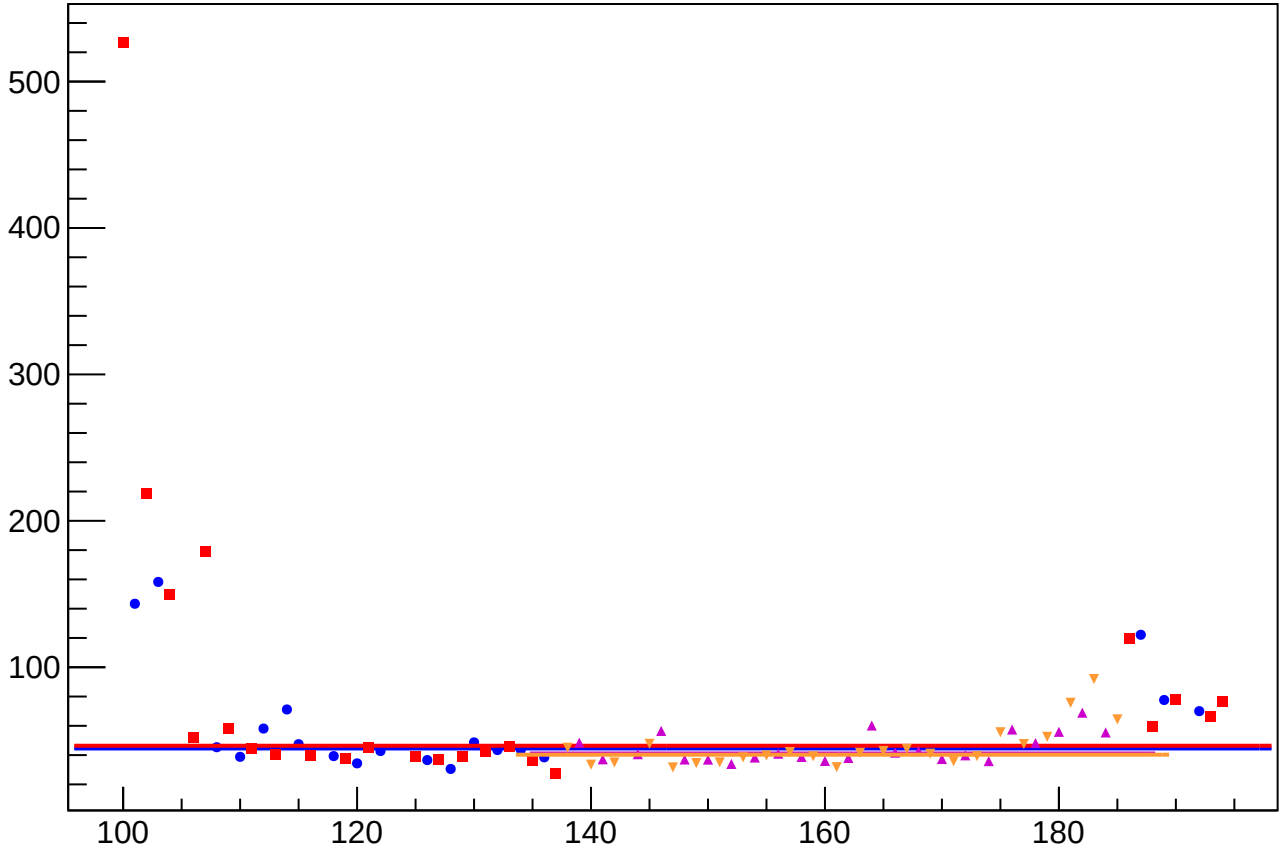
Right: 0.009+/-0.012 χ^2/NDF: 46.2/41

In: -0.003+/-0.009 χ^2/NDF:60.1/41

Out: 0.006+/-0.009 χ^2/NDF:49.7/46

All: 0.002+/-0.006 χ^2/NDF: 110.2/88

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.545+/-0.012 χ^2/NDF: 1982019.9/18

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 46.395+/-0.012 χ^2/NDF: 2410766.9/22

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

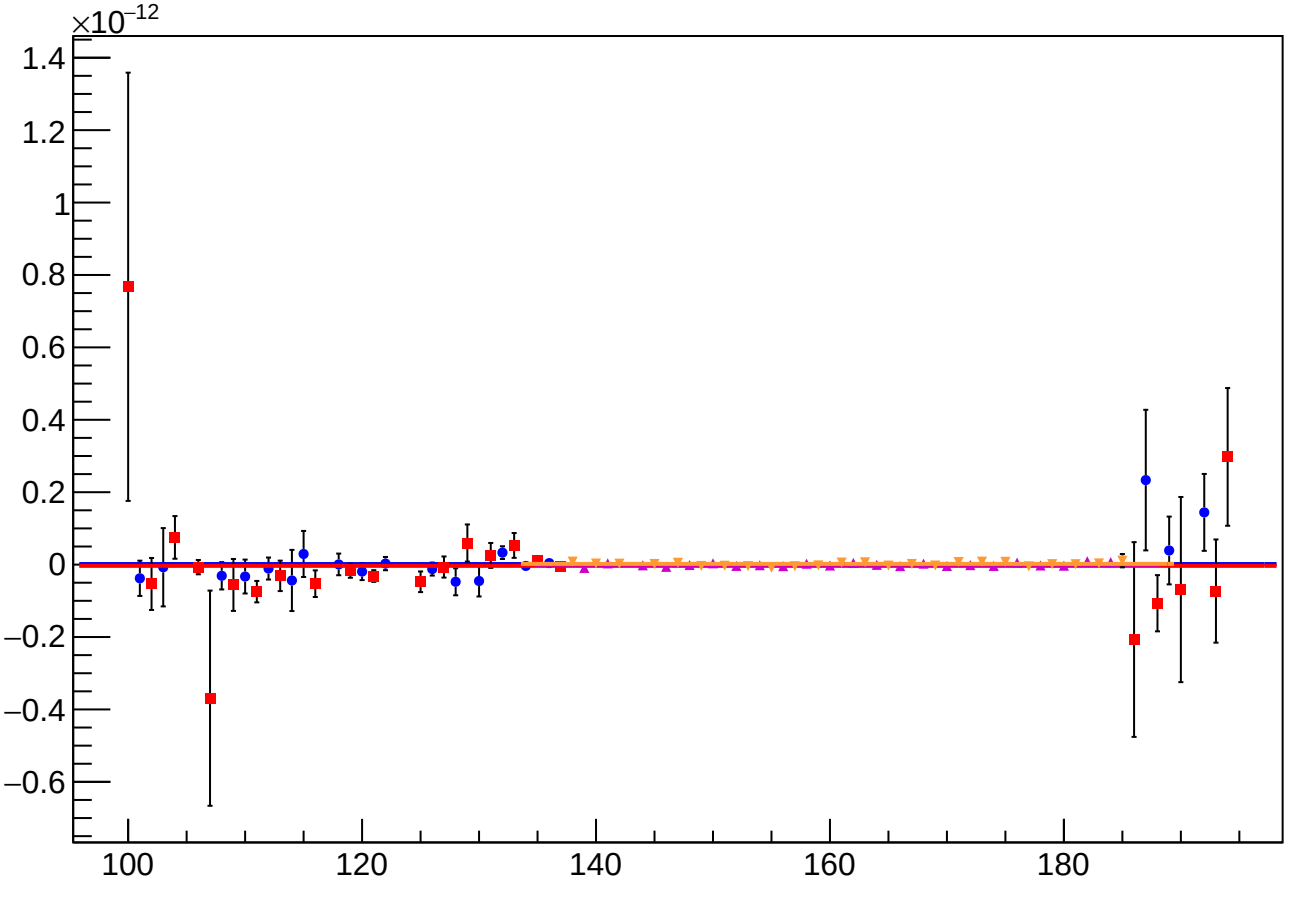
Right: 45.503+/-0.009 χ^2/NDF: 4404258.2/41

In: 42.001+/-0.006 χ^2/NDF:2965923.9/41

Out: 41.942+/-0.006 χ^2/NDF:4089191.0/46

All: 41.971+/-0.004 χ^2/NDF: 7055158.9/88

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: 13.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 34.0/22

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

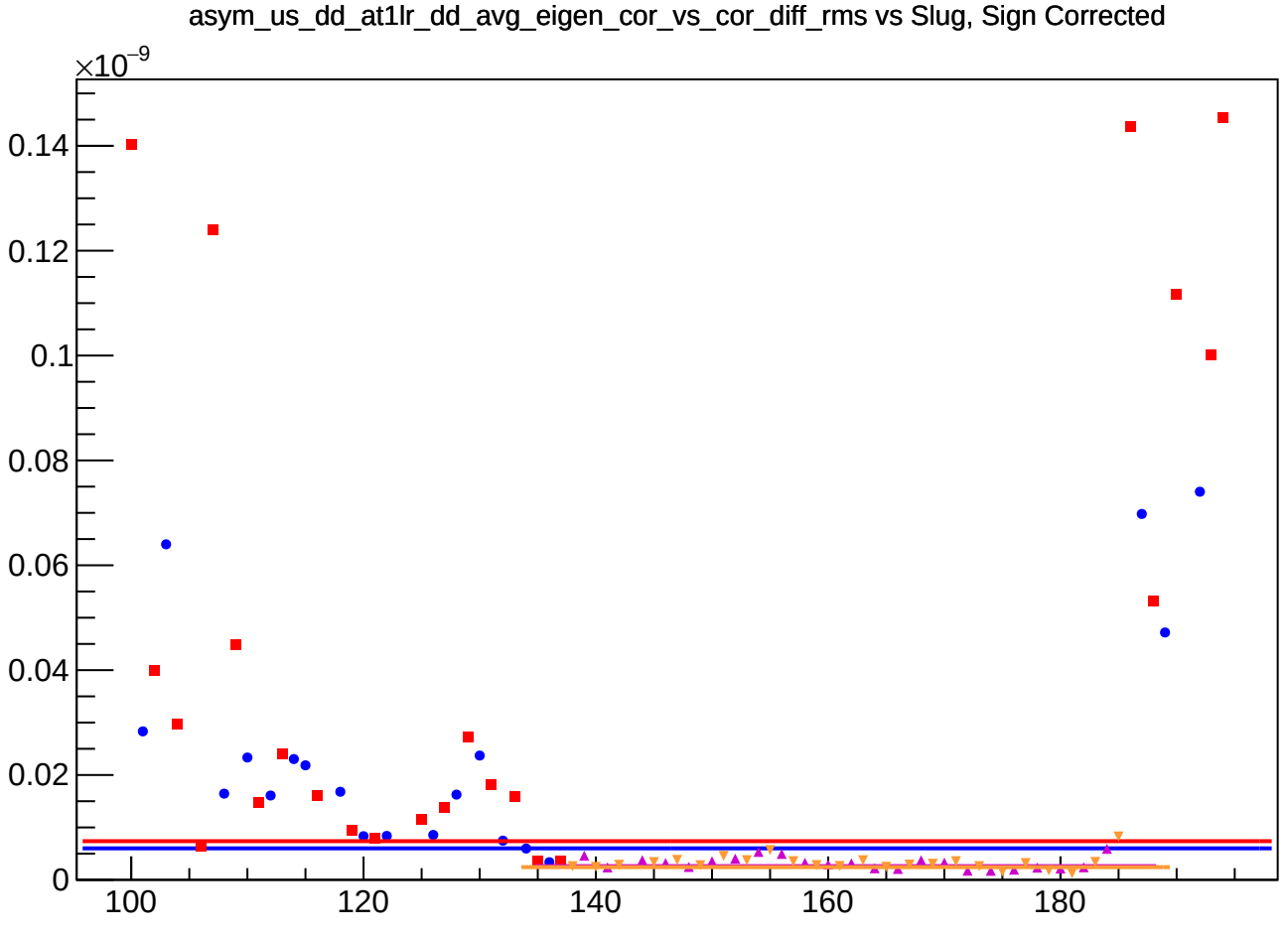
Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

Right: -0.000+/-0.000 χ^2/NDF: 48.6/41

In: -0.000+/-0.000 χ^2/NDF:37.3/41

Out: 0.000+/-0.000 χ^2/NDF:60.4/46

All: 0.000+/-0.000 χ^2/NDF: 100.9/88



Right In: 0.000+/-0.000 χ^2/NDF: 4724273.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:2792453.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7248255.6/22

Left In: 0.000+/-0.000 χ^2/NDF:1949059.2/22

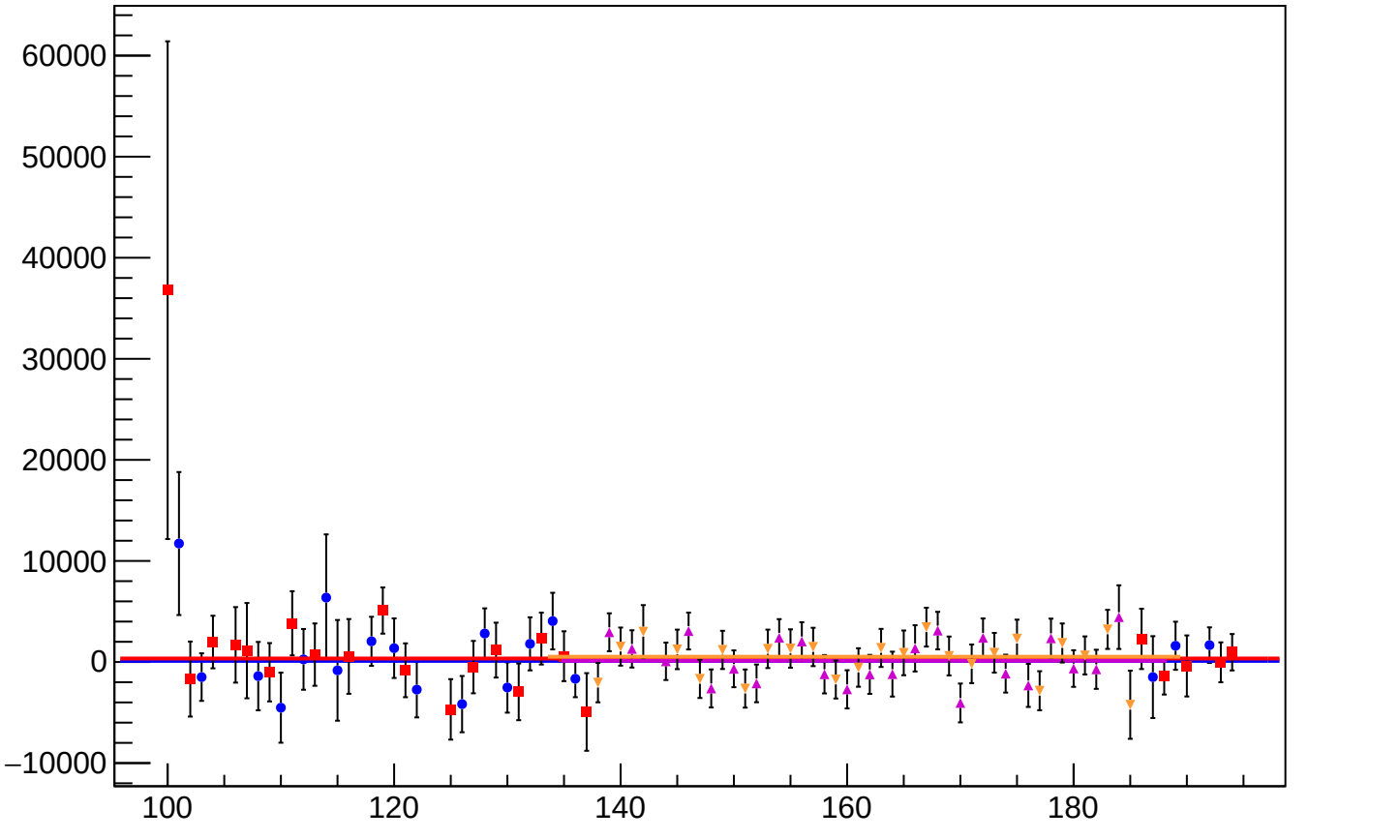
Left: 0.000+/-0.000 χ^2/NDF: 4793027.5/46

Right: 0.000+/-0.000 χ^2/NDF: 12072275.5/41

In: 0.000+/-0.000 χ^2/NDF:8106429.8/41

Out: 0.000+/-0.000 χ^2/NDF:12172172.1/46

All: 0.000+/-0.000 χ^2/NDF: 20339985.3/88



Right In: 112.507+/-626.432 χ^2/NDF: 17.4/18

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: 344.798+/-572.729 χ^2/NDF: 17.4/22

Left In: 126.031+/-404.630 χ^2/NDF:29.5/22

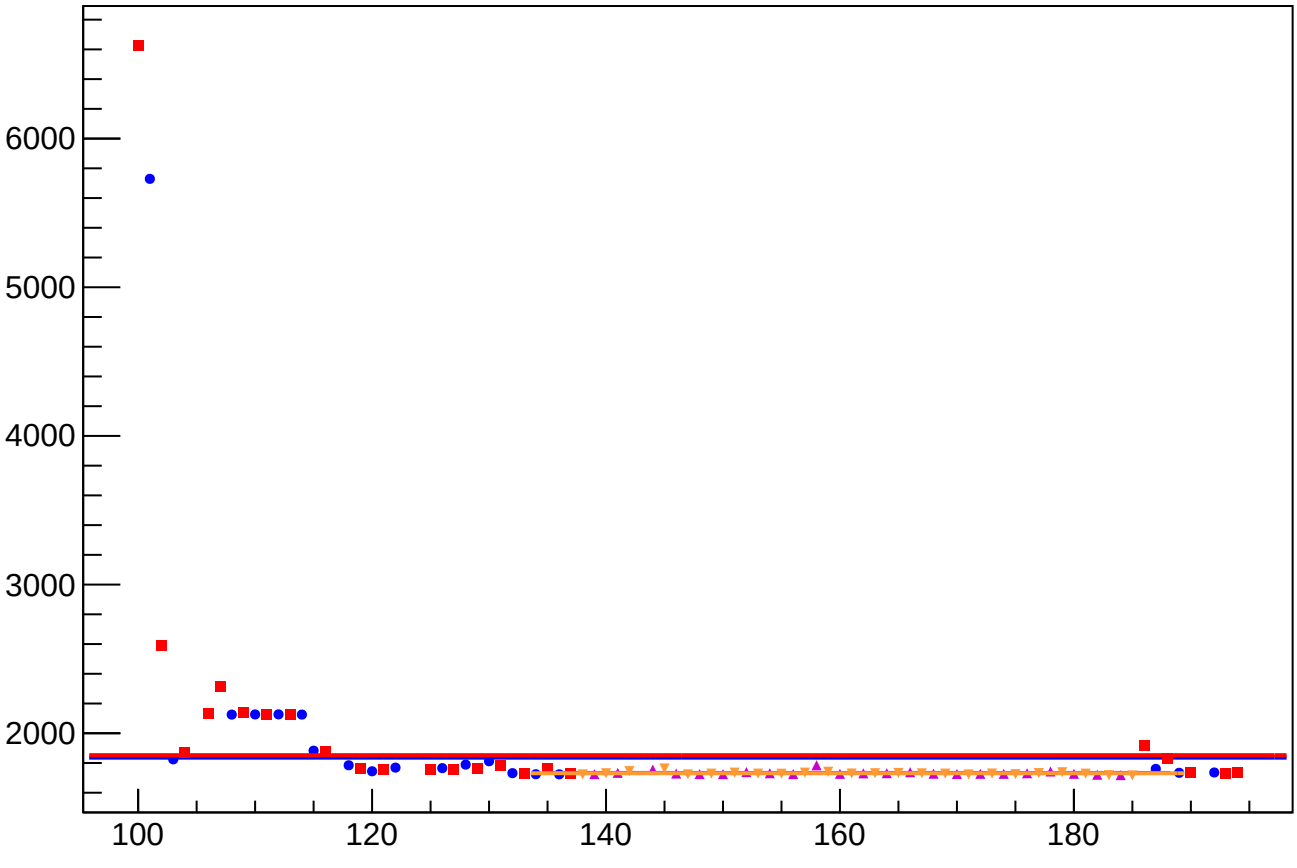
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 239.035+/-422.693 χ^2/NDF: 34.8/41

In: 122.049+/-339.890 χ^2/NDF:46.8/41

Out: 462.183+/-328.875 χ^2/NDF:38.2/46

All: 297.717+/-236.348 χ^2/NDF: 85.5/88



Right In: 1835.987+/-0.443 χ^2/NDF: 688518.0/18

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1852.459+/-0.405 χ^2/NDF: 278786.1/22

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

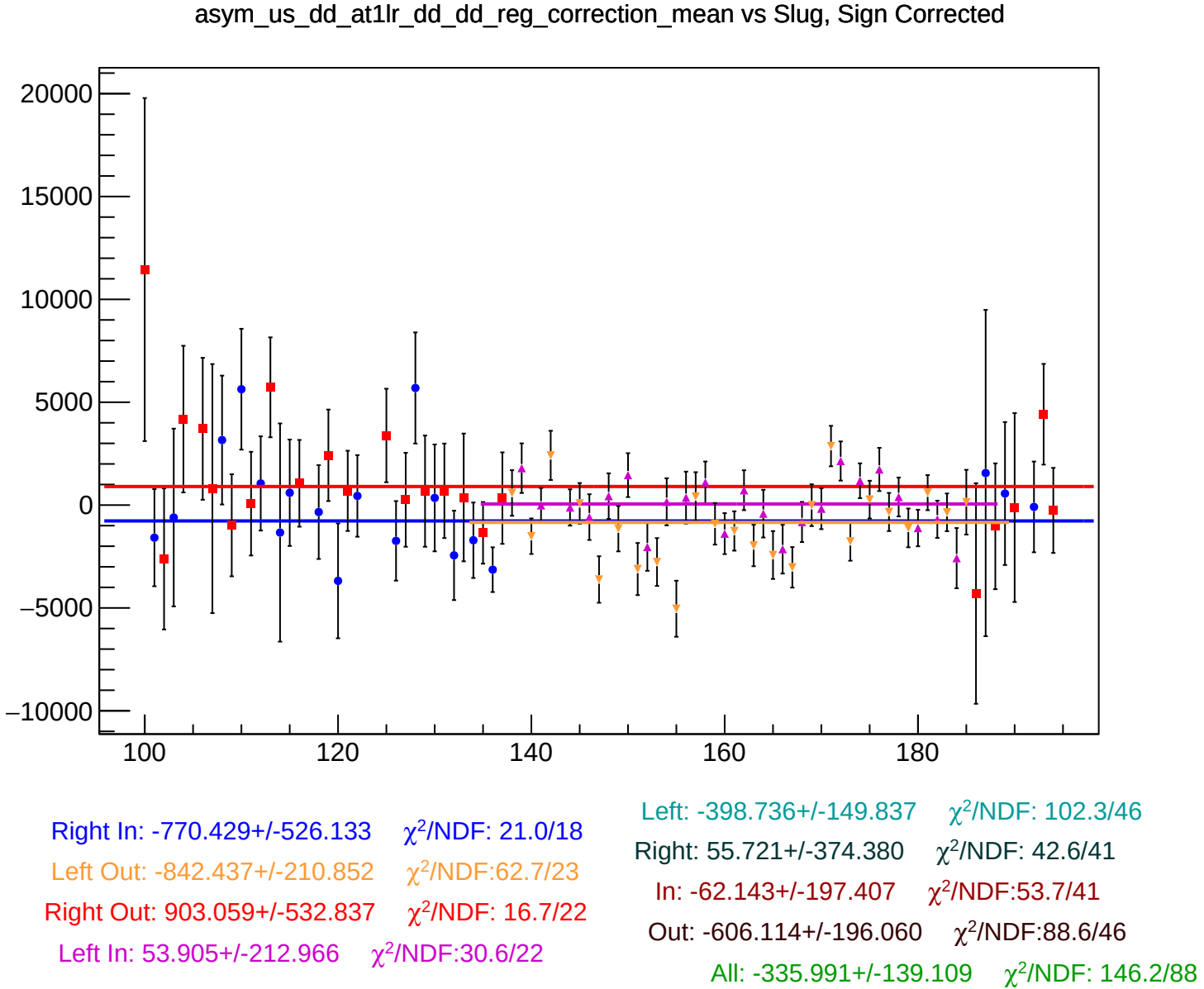
Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

Right: 1844.959+/-0.299 χ^2/NDF: 968057.3/41

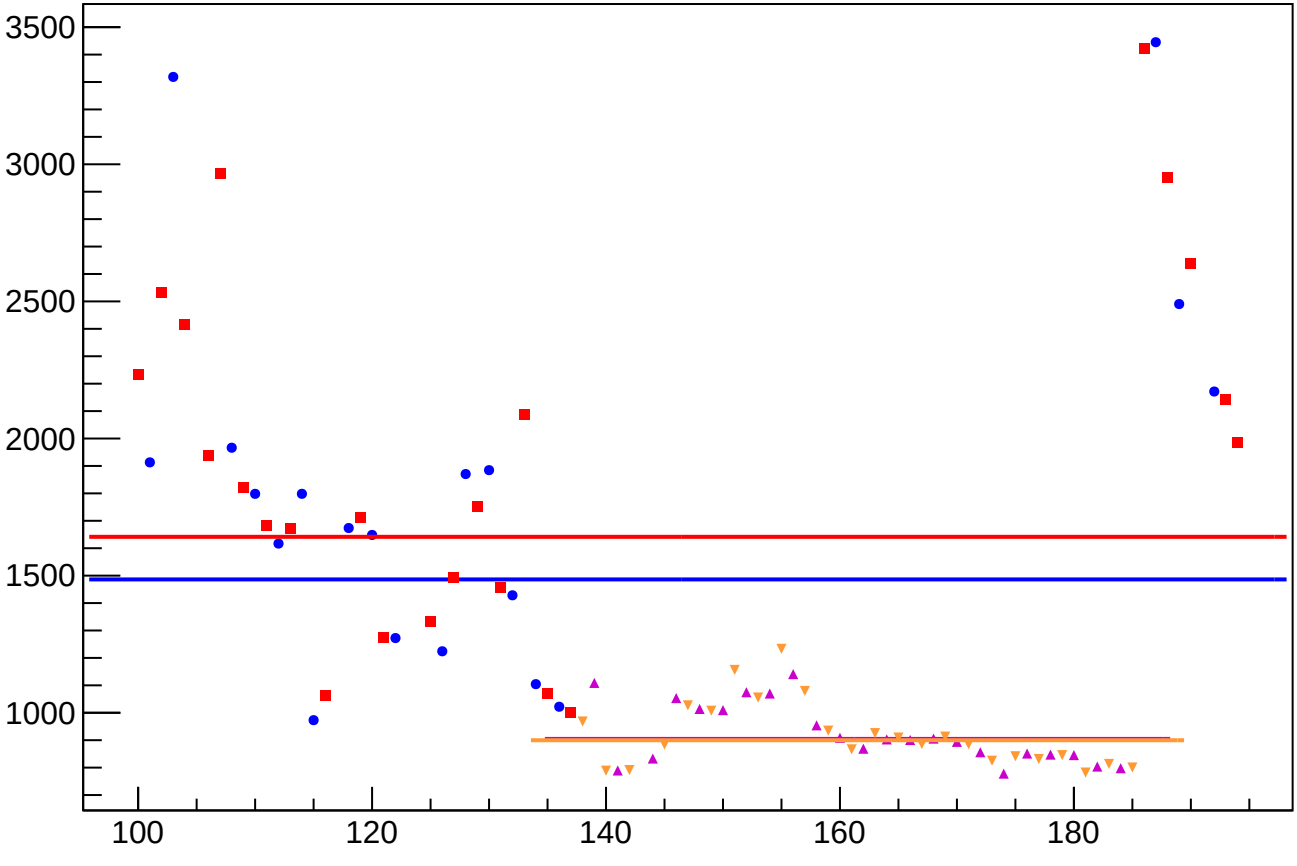
In: 1763.324+/-0.240 χ^2/NDF:728892.7/41

Out: 1770.947+/-0.233 χ^2/NDF:340196.6/46

All: 1767.261+/-0.167 χ^2/NDF: 1069608.8/88


asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
Right In: -770.429+/-526.133 χ²/NDF: 21.0/18
Left Out: -842.437+/-210.852 χ²/NDF:62.7/23
Right Out: 903.059+/-532.837 χ²/NDF: 16.7/22
Left In: 53.905+/-212.966 χ²/NDF:30.6/22
Left: -398.736+/-149.837 χ²/NDF: 102.3/46
Right: 55.721+/-374.380 χ²/NDF: 42.6/41
In: -62.143+/-197.407 χ²/NDF:53.7/41
Out: -606.114+/-196.060 χ²/NDF:88.6/46
All: -335.991+/-139.109 χ²/NDF: 146.2/88

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1486.211+/-0.372 χ^2/NDF: 1689069.5/18

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1641.590+/-0.377 χ^2/NDF: 1966630.8/22

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

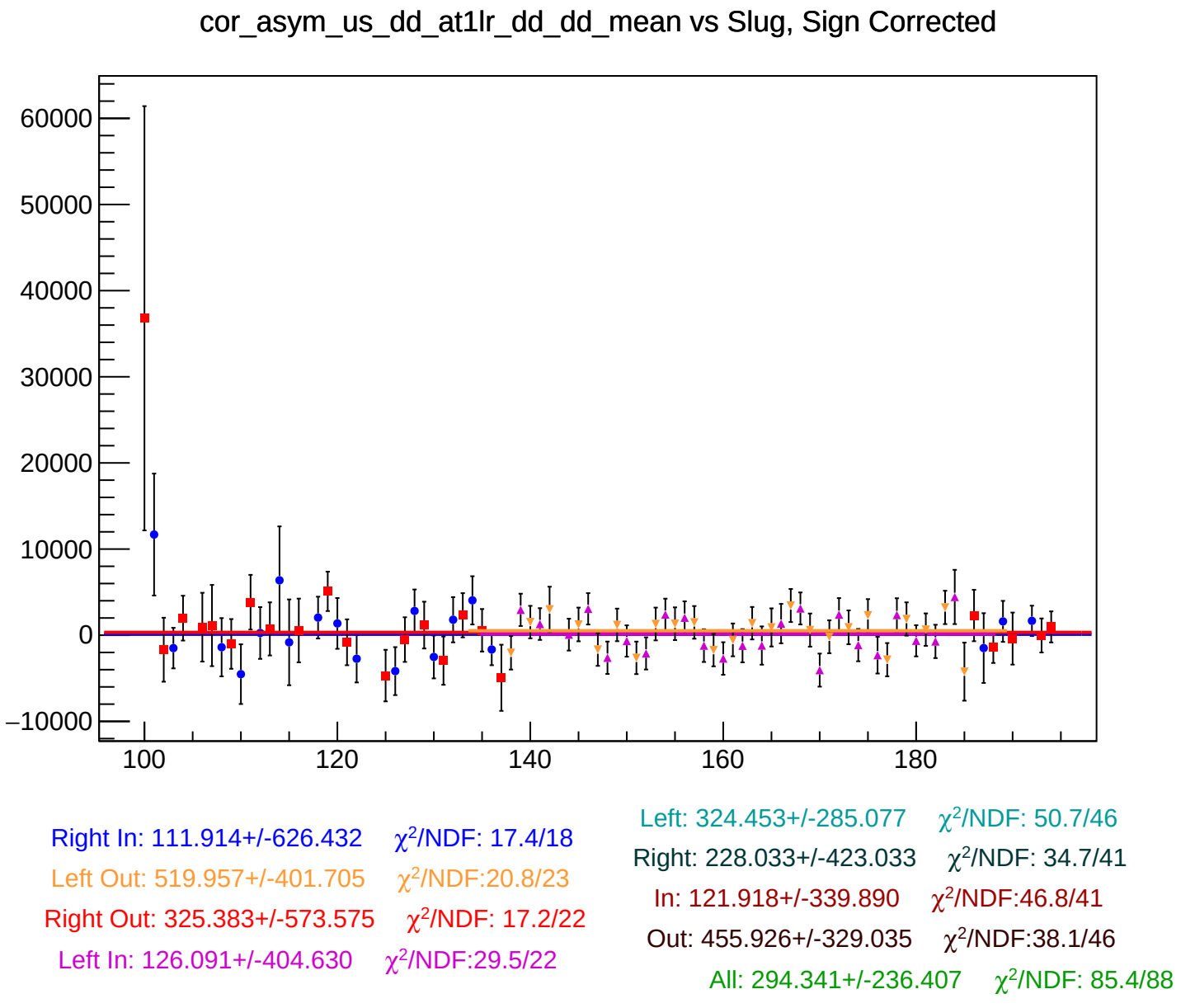
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

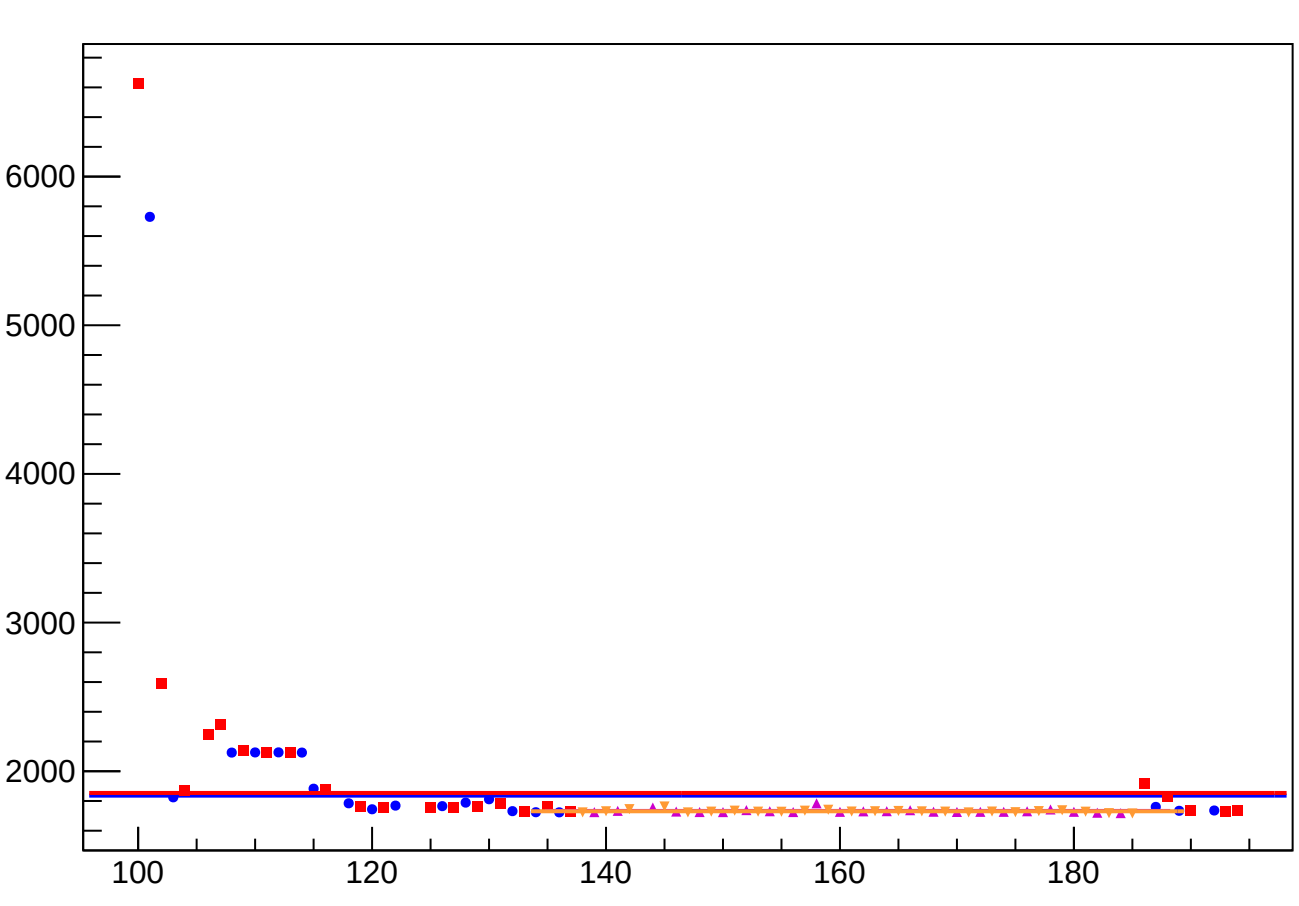
Right: 1562.916+/-0.265 χ^2/NDF: 3741811.5/41

In: 986.526+/-0.140 χ^2/NDF:4240865.2/41

Out: 1000.241+/-0.139 χ^2/NDF:5813225.5/46

All: 993.430+/-0.098 χ^2/NDF: 10058950.4/88


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
Right In: 111.914+/-626.432 χ²/NDF: 17.4/18
Left Out: 519.957+/-401.705 χ²/NDF:20.8/23
Right Out: 325.383+/-573.575 χ²/NDF: 17.2/22
Left In: 126.091+/-404.630 χ²/NDF:29.5/22
Left: 324.453+/-285.077 χ²/NDF: 50.7/46
Right: 228.033+/-423.033 χ²/NDF: 34.7/41
In: 121.918+/-339.890 χ²/NDF:46.8/41
Out: 455.926+/-329.035 χ²/NDF:38.1/46
All: 294.341+/-236.407 χ²/NDF: 85.4/88



Right In: 1835.987+/-0.443 χ^2/NDF: 688517.9/18

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1854.038+/-0.406 χ^2/NDF: 287262.1/22

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

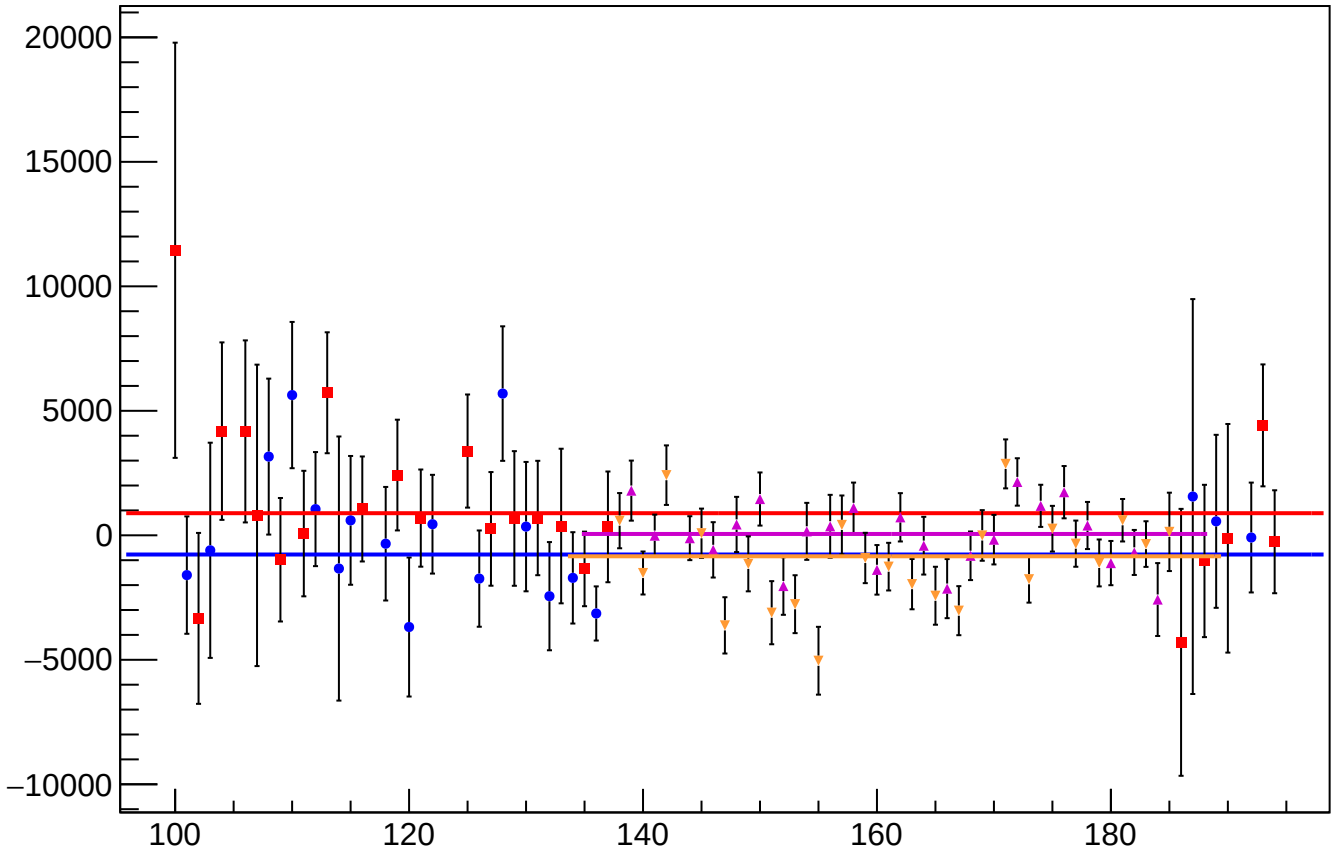
Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

Right: 1845.806+/-0.299 χ^2/NDF: 976683.3/41

In: 1763.324+/-0.240 χ^2/NDF:728892.5/41

Out: 1771.387+/-0.233 χ^2/NDF:350130.0/46

All: 1767.486+/-0.167 χ^2/NDF: 1079603.5/88



Right In: -771.185+/-526.095 χ^2/NDF: 21.0/18

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 888.357+/-533.535 χ^2/NDF: 17.3/22

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

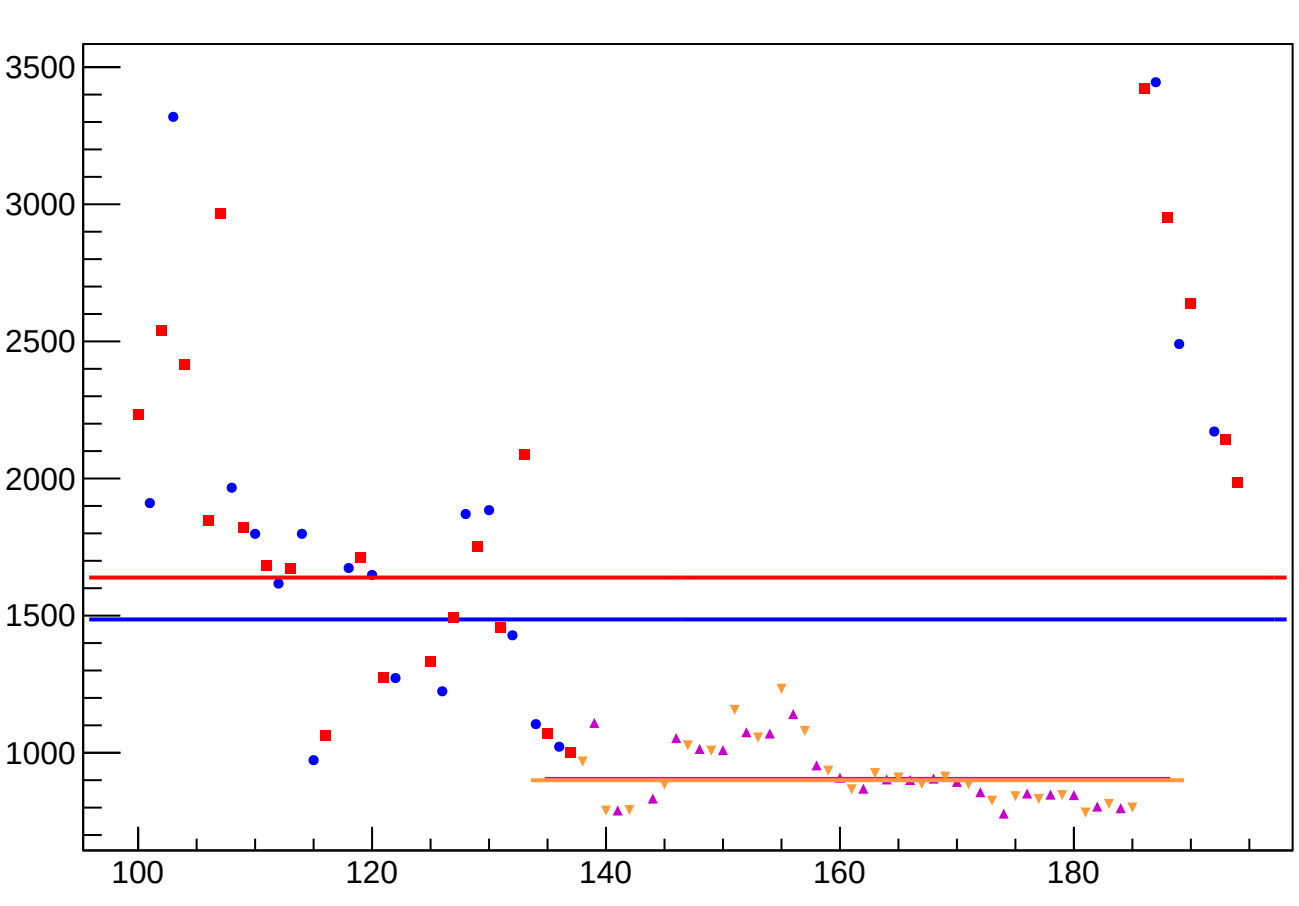
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: 46.935+/-374.608 χ^2/NDF: 43.2/41

In: -62.244+/-197.405 χ^2/NDF:53.7/41

Out: -608.664+/-196.095 χ^2/NDF:89.1/46

All: -337.273+/-139.121 χ^2/NDF: 146.7/88



Right In: 1486.128+/-0.372 χ^2/NDF: 1688512.5/18

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1638.920+/-0.377 χ^2/NDF: 1959661.5/22

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

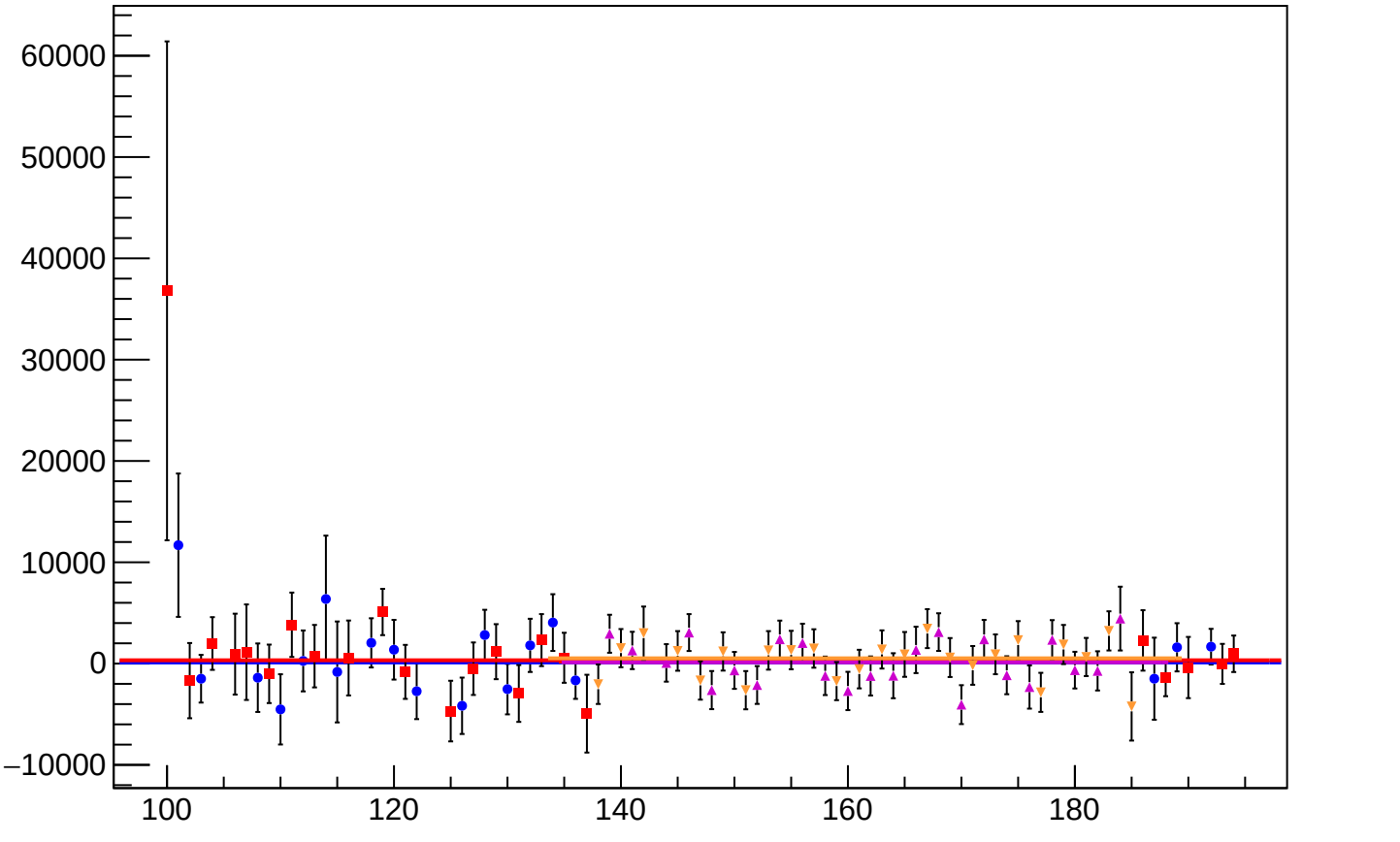
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1561.451+/-0.265 χ^2/NDF: 3731336.7/41

In: 986.521+/-0.140 χ^2/NDF:4240006.0/41

Out: 999.656+/-0.139 χ^2/NDF:5774572.8/46

All: 993.132+/-0.098 χ^2/NDF: 10019035.5/88



Right In: 111.914+/-626.432 χ^2/NDF: 17.4/18

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 325.383+/-573.575 χ^2/NDF: 17.2/22

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

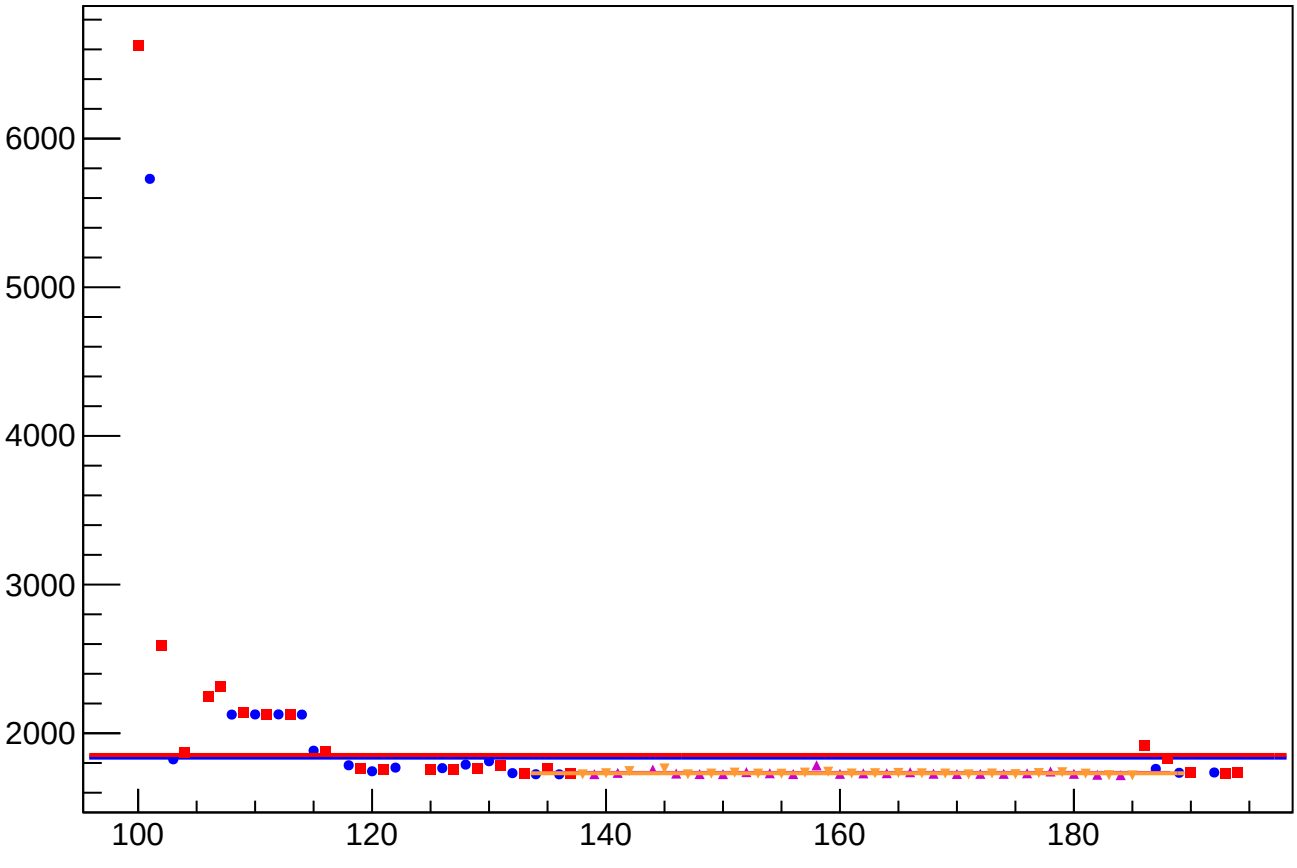
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 228.033+/-423.033 χ^2/NDF: 34.7/41

In: 121.918+/-339.890 χ^2/NDF:46.8/41

Out: 455.926+/-329.035 χ^2/NDF:38.1/46

All: 294.341+/-236.407 χ^2/NDF: 85.4/88



Right In: 1835.987+/-0.443 χ^2/NDF: 688517.9/18

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1854.038+/-0.406 χ^2/NDF: 287262.1/22

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

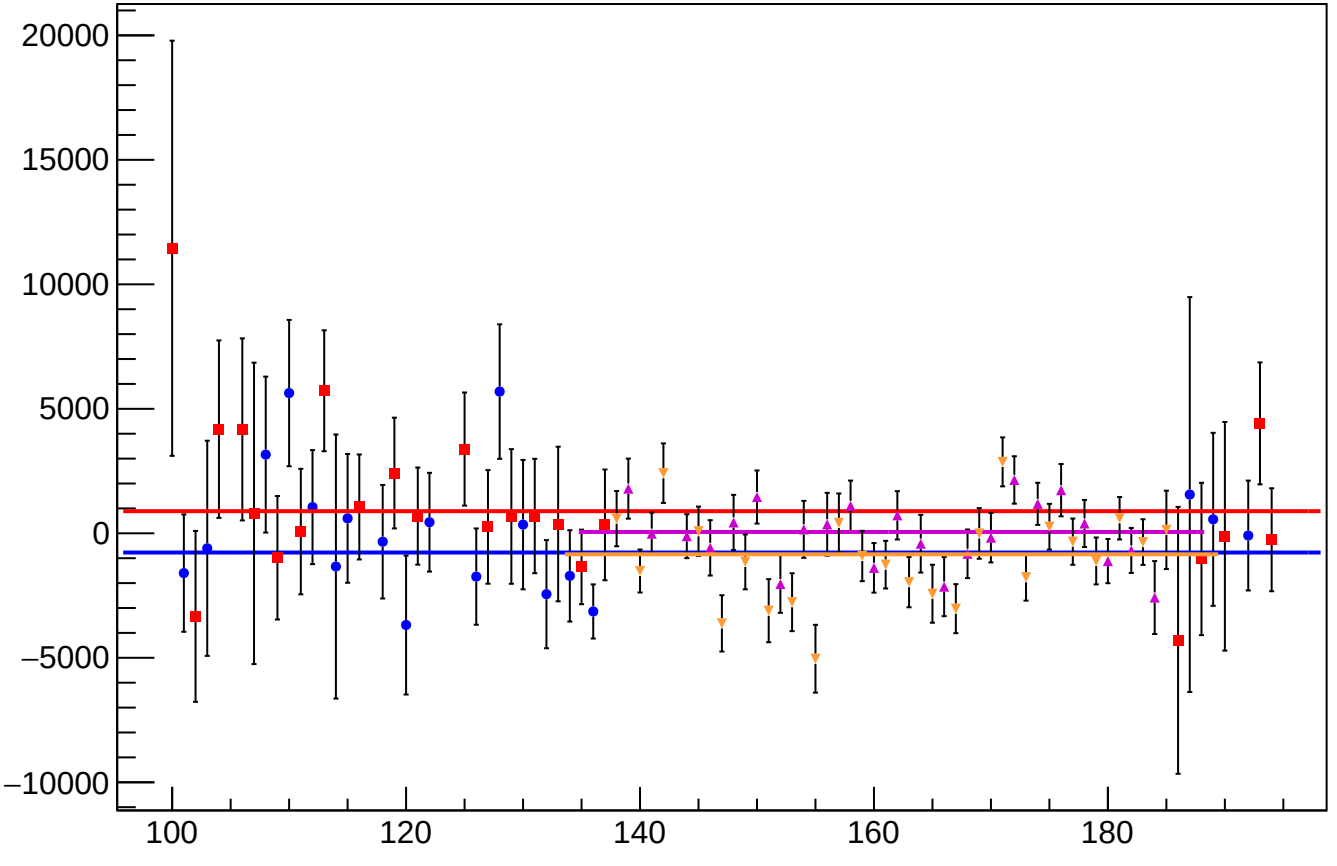
Right: 1845.806+/-0.299 χ^2/NDF: 976683.3/41

In: 1763.324+/-0.240 χ^2/NDF:728892.5/41

Out: 1771.387+/-0.233 χ^2/NDF:350130.0/46

All: 1767.486+/-0.167 χ^2/NDF: 1079603.5/88

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -771.185+/-526.095 χ^2/NDF: 21.0/18

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 888.357+/-533.535 χ^2/NDF: 17.3/22

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

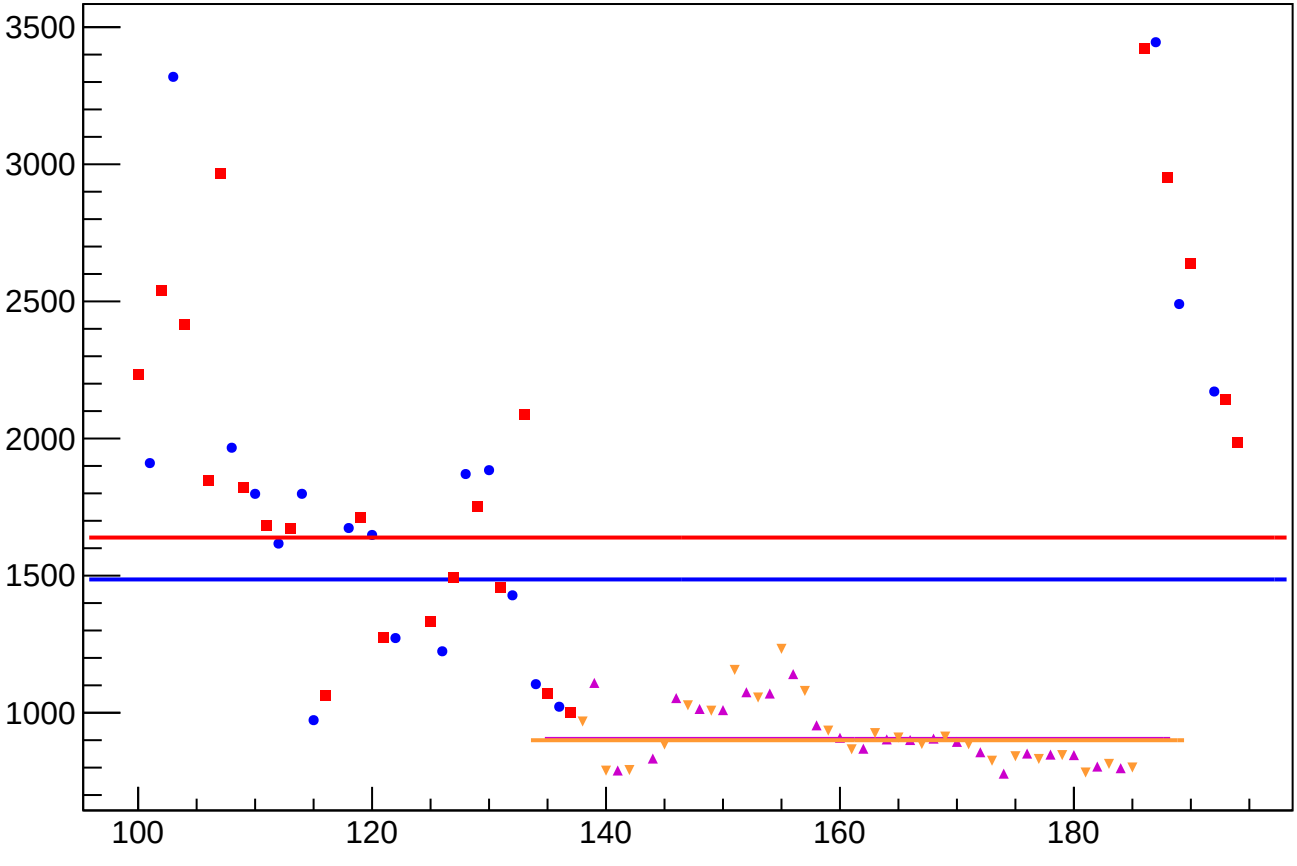
Right: 46.935+/-374.608 χ^2/NDF: 43.2/41

In: -62.244+/-197.405 χ^2/NDF:53.7/41

Out: -608.664+/-196.095 χ^2/NDF:89.1/46

All: -337.273+/-139.121 χ^2/NDF: 146.7/88

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1486.128+/-0.372 χ^2/NDF: 1688512.5/18

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1638.920+/-0.377 χ^2/NDF: 1959661.5/22

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

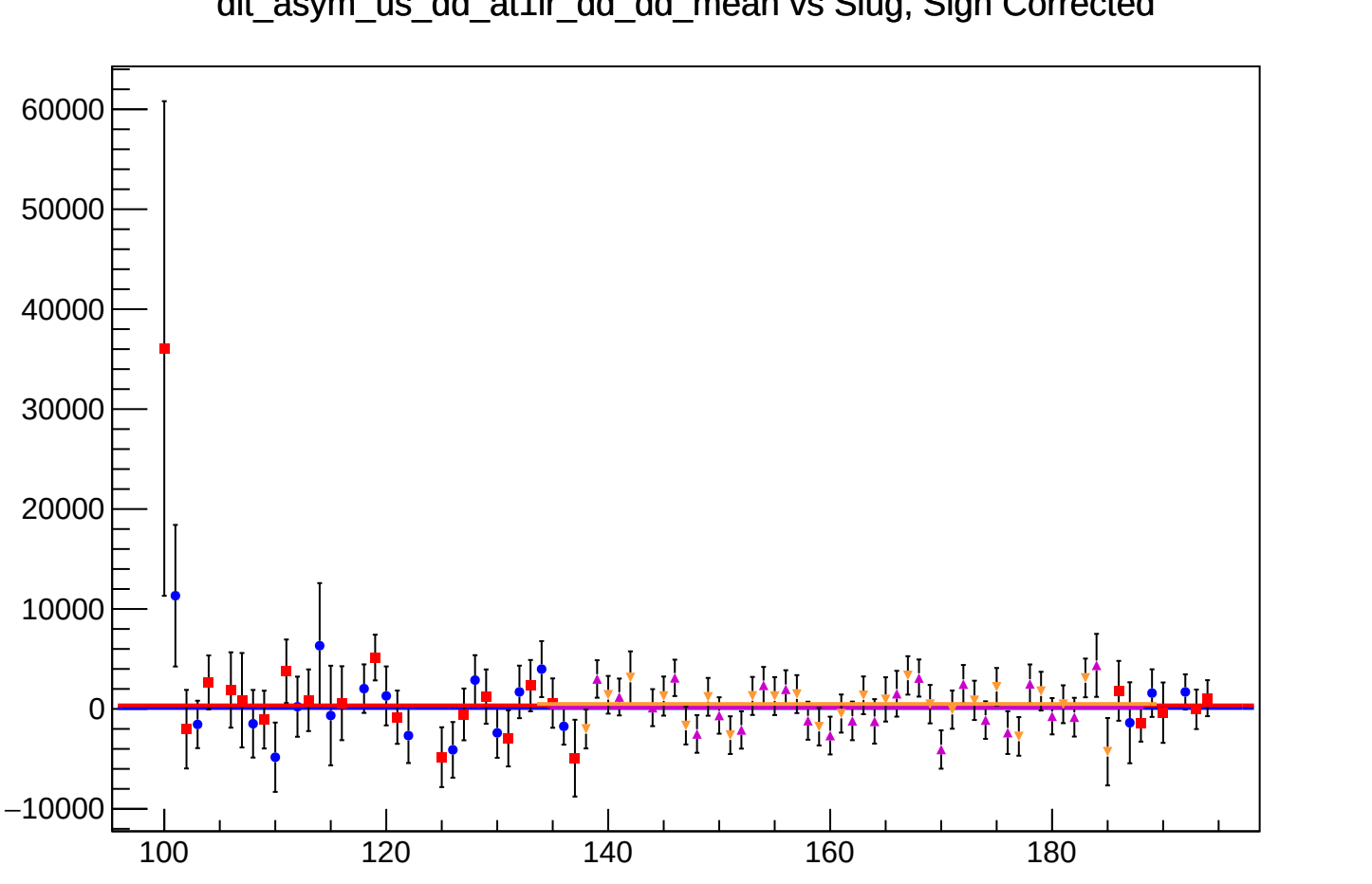
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

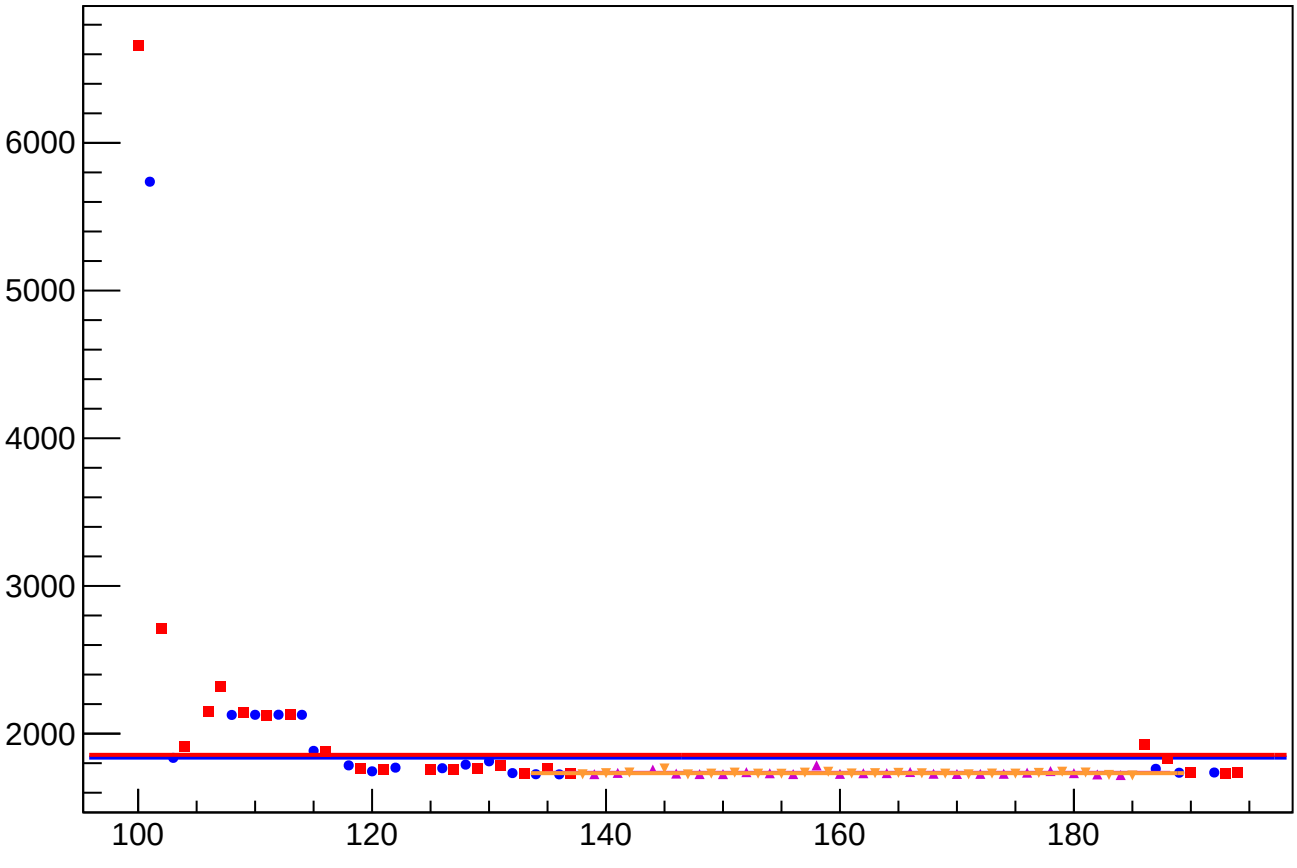
Right: 1561.451+/-0.265 χ^2/NDF: 3731336.7/41

In: 986.521+/-0.140 χ^2/NDF:4240006.0/41

Out: 999.656+/-0.139 χ^2/NDF:5774572.8/46

All: 993.132+/-0.098 χ^2/NDF: 10019035.5/88


dit_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
120
140
160
180
Right In: 95.009+/-627.083 χ²/NDF: 17.2/18
Left Out: 494.897+/-402.069 χ²/NDF:20.1/23
Right Out: 356.087+/-574.981 χ²/NDF: 17.8/22
Left In: 137.162+/-404.995 χ²/NDF:29.6/22
Left: 317.326+/-285.335 χ²/NDF: 50.0/46
Right: 236.843+/-423.797 χ²/NDF: 35.2/41
In: 124.755+/-340.211 χ²/NDF:46.8/41
Out: 449.312+/-329.500 χ²/NDF:37.9/46
All: 292.223+/-236.688 χ²/NDF: 85.2/88



Right In: 1837.650+/-0.443 χ^2/NDF: 688996.9/18

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1856.490+/-0.407 χ^2/NDF: 297976.3/22

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

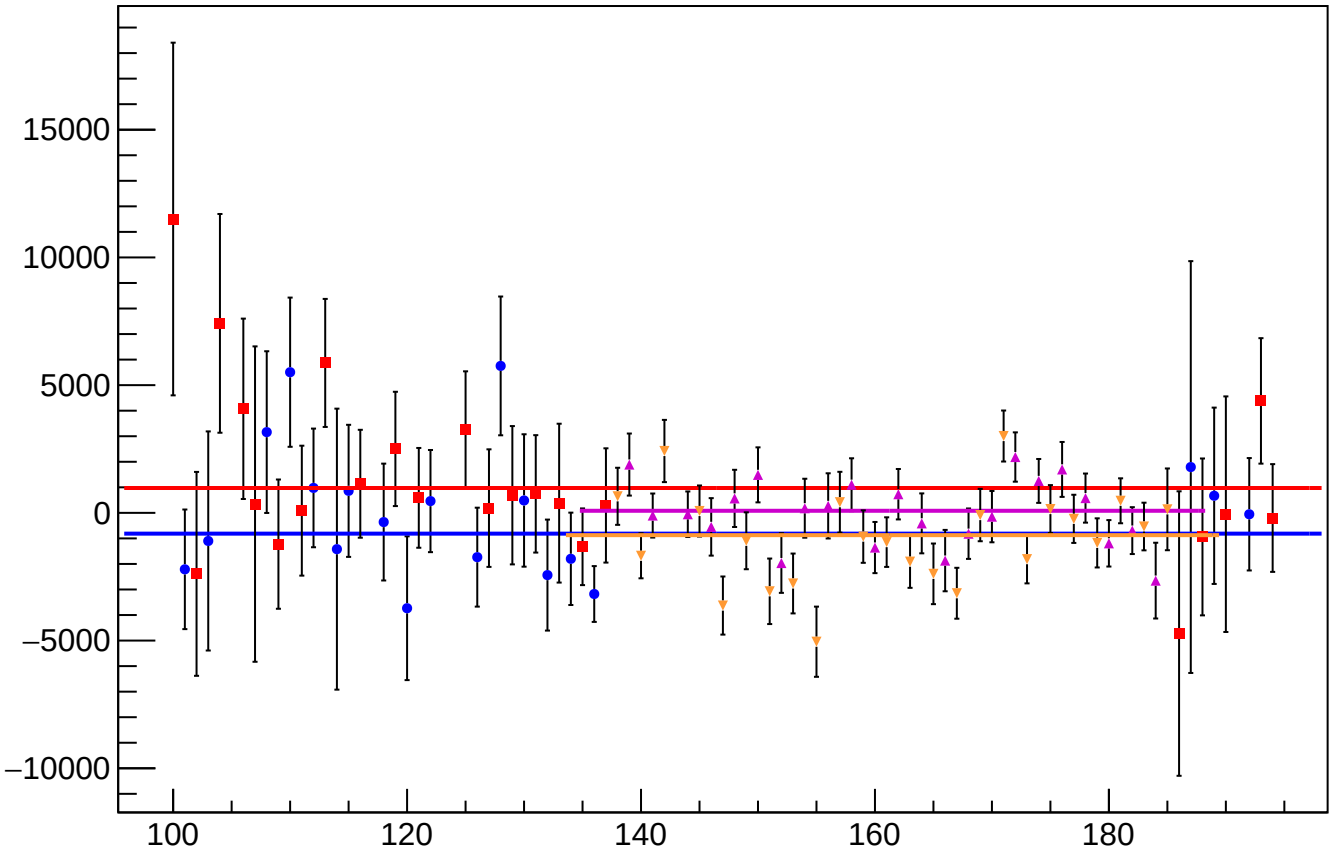
Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

Right: 1847.885+/-0.300 χ^2/NDF: 987954.0/41

In: 1764.909+/-0.241 χ^2/NDF:729349.2/41

Out: 1773.144+/-0.233 χ^2/NDF:361459.9/46

All: 1769.158+/-0.167 χ^2/NDF: 1091413.8/88



Right In: -813.473+/-526.925 χ^2/NDF: 21.4/18

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: 973.284+/-539.710 χ^2/NDF: 18.7/22

Left In: 81.519+/-215.913 χ^2/NDF:30.0/22

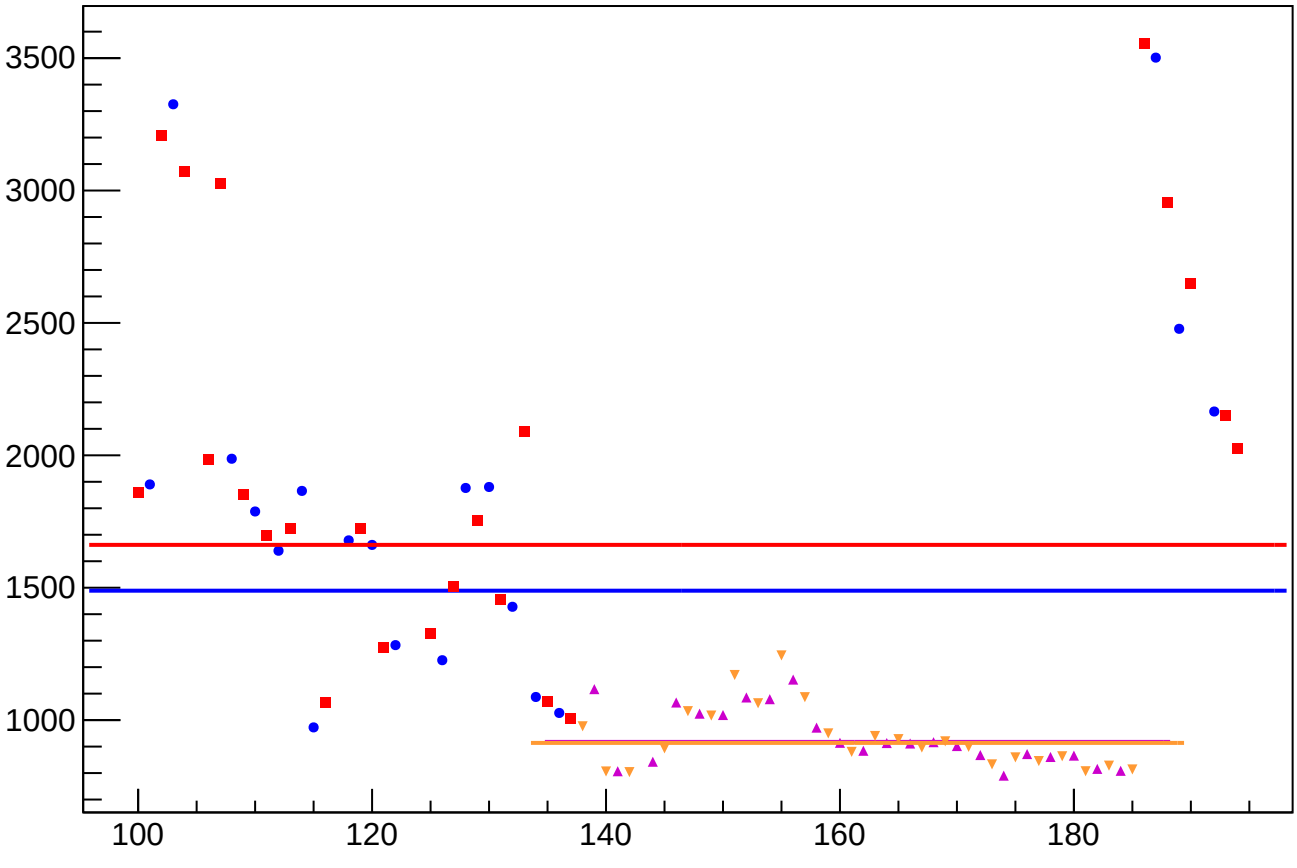
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: 58.492+/-377.031 χ^2/NDF: 45.7/41

In: -47.149+/-199.791 χ^2/NDF:53.9/41

Out: -622.000+/-198.939 χ^2/NDF:90.8/46

All: -335.803+/-140.971 χ^2/NDF: 148.8/88



Right In: 1488.751+/-0.373 χ^2/NDF: 1694958.4/18

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1661.773+/-0.382 χ^2/NDF: 2292310.5/22

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

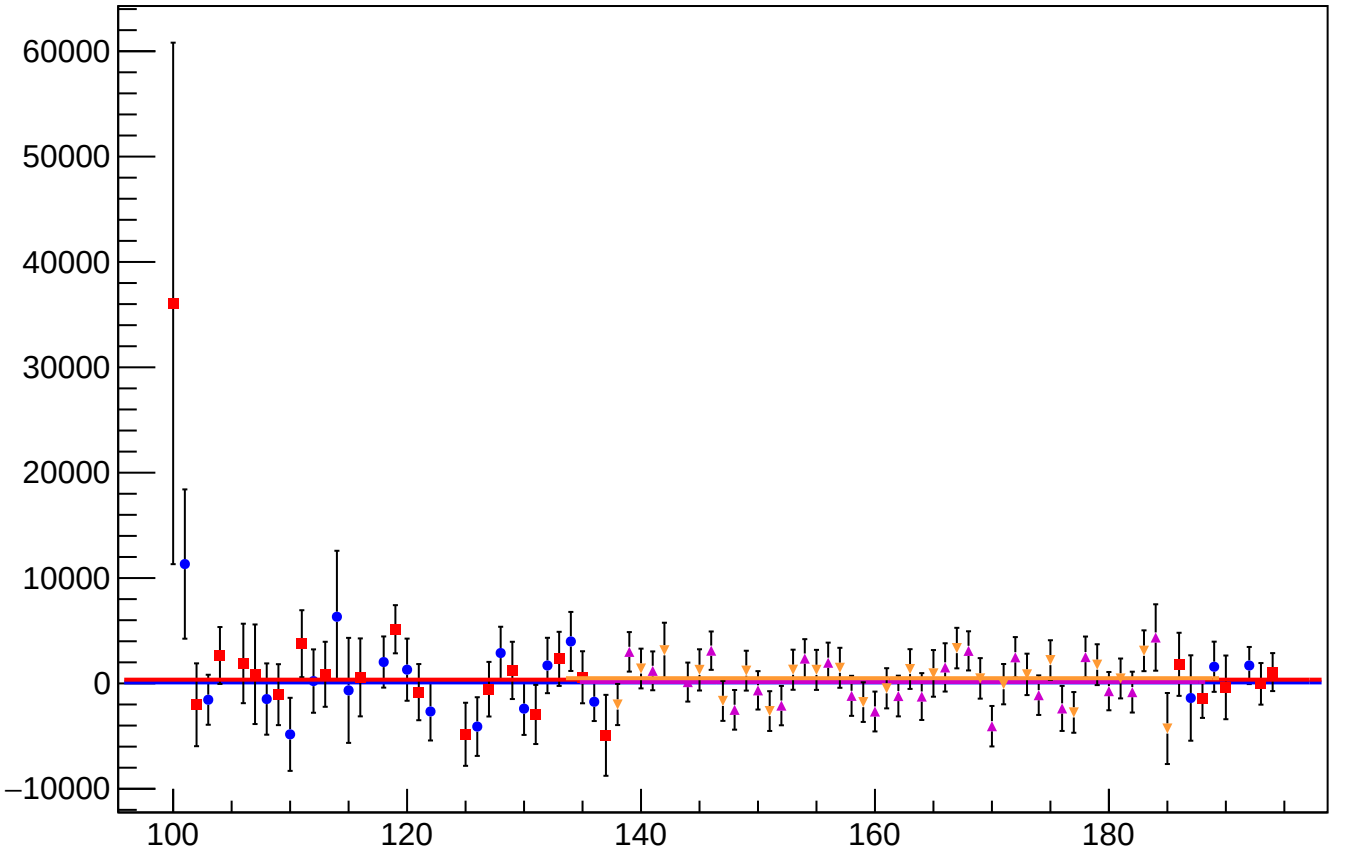
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1573.188+/-0.267 χ^2/NDF: 4092506.4/41

In: 999.775+/-0.141 χ^2/NDF:4136926.9/41

Out: 1015.511+/-0.141 χ^2/NDF:6073693.9/46

All: 1007.677+/-0.100 χ^2/NDF: 10216850.8/8



Right In: 95.010+/-627.083 χ^2/NDF: 17.2/18

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 356.085+/-574.981 χ^2/NDF: 17.8/22

Left In: 137.163+/-404.995 χ^2/NDF:29.6/22

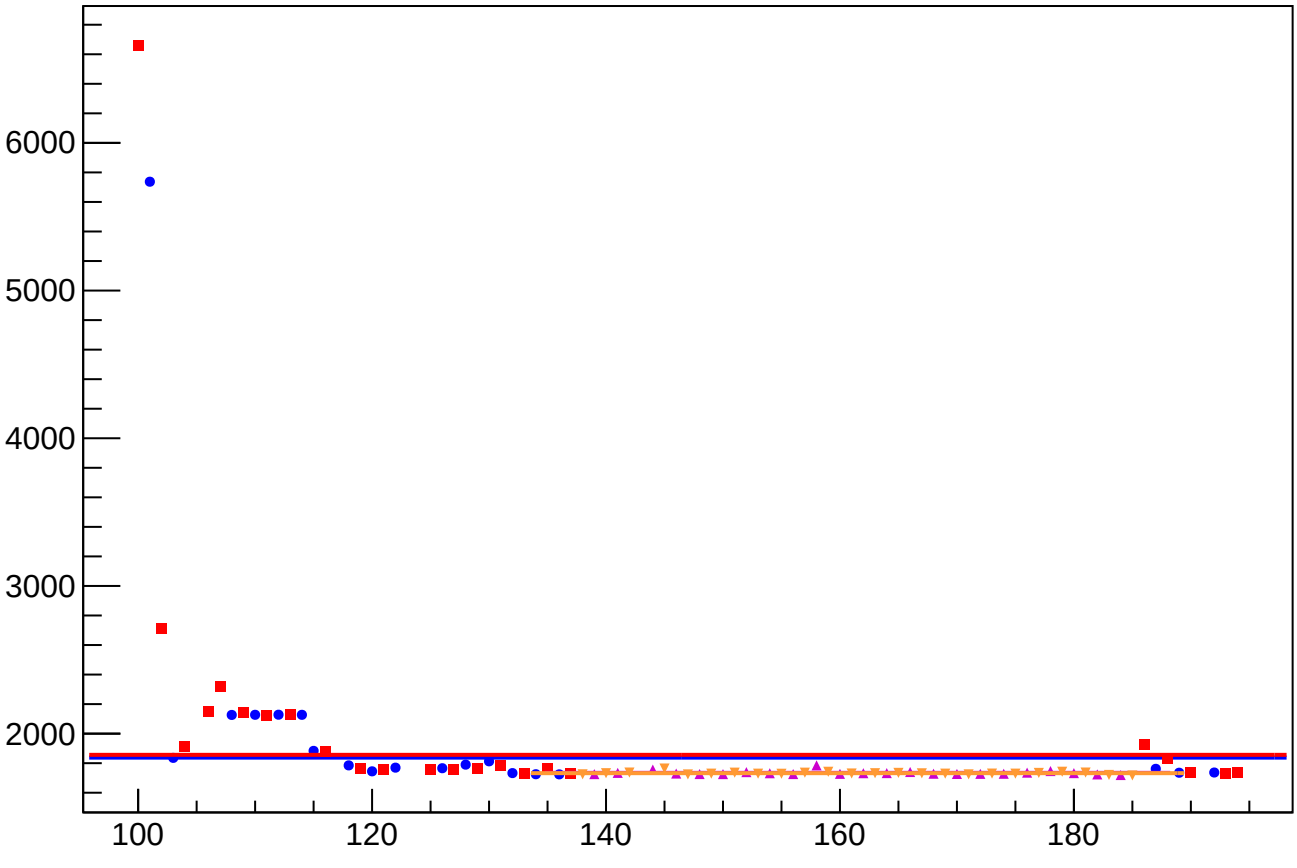
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 236.842+/-423.797 χ^2/NDF: 35.2/41

In: 124.756+/-340.211 χ^2/NDF:46.8/41

Out: 449.311+/-329.500 χ^2/NDF:37.9/46

All: 292.222+/-236.688 χ^2/NDF: 85.2/88



Right In: 1837.650+/-0.443 χ^2/NDF: 688996.9/18

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1856.490+/-0.407 χ^2/NDF: 297976.1/22

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

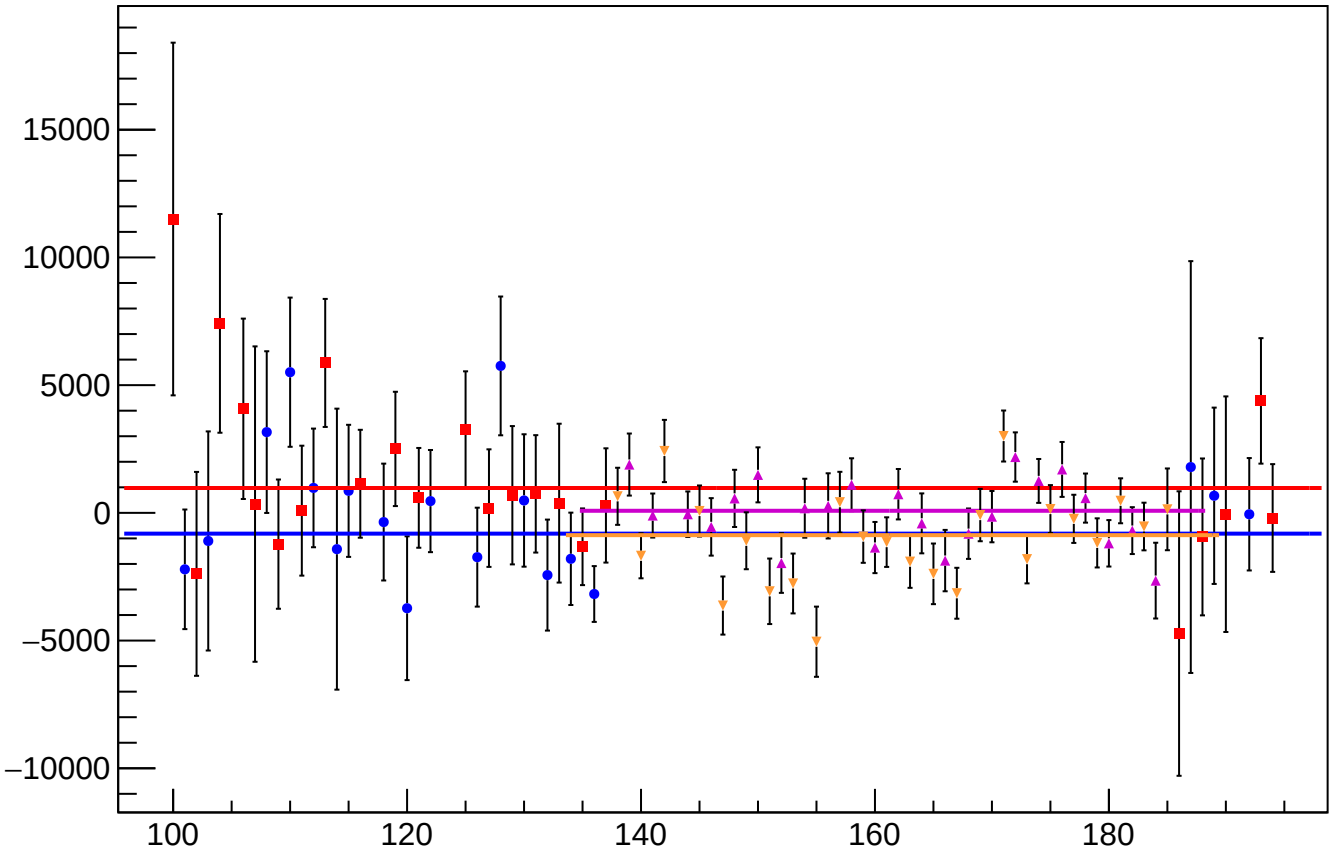
Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

Right: 1847.885+/-0.300 χ^2/NDF: 987953.8/41

In: 1764.909+/-0.241 χ^2/NDF:729349.2/41

Out: 1773.144+/-0.233 χ^2/NDF:361459.6/46

All: 1769.158+/-0.167 χ^2/NDF: 1091413.5/88



Right In: -813.468+/-526.924 χ^2/NDF: 21.4/18

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

Right Out: 973.282+/-539.709 χ^2/NDF: 18.7/22

Left In: 81.518+/-215.913 χ^2/NDF:30.0/22

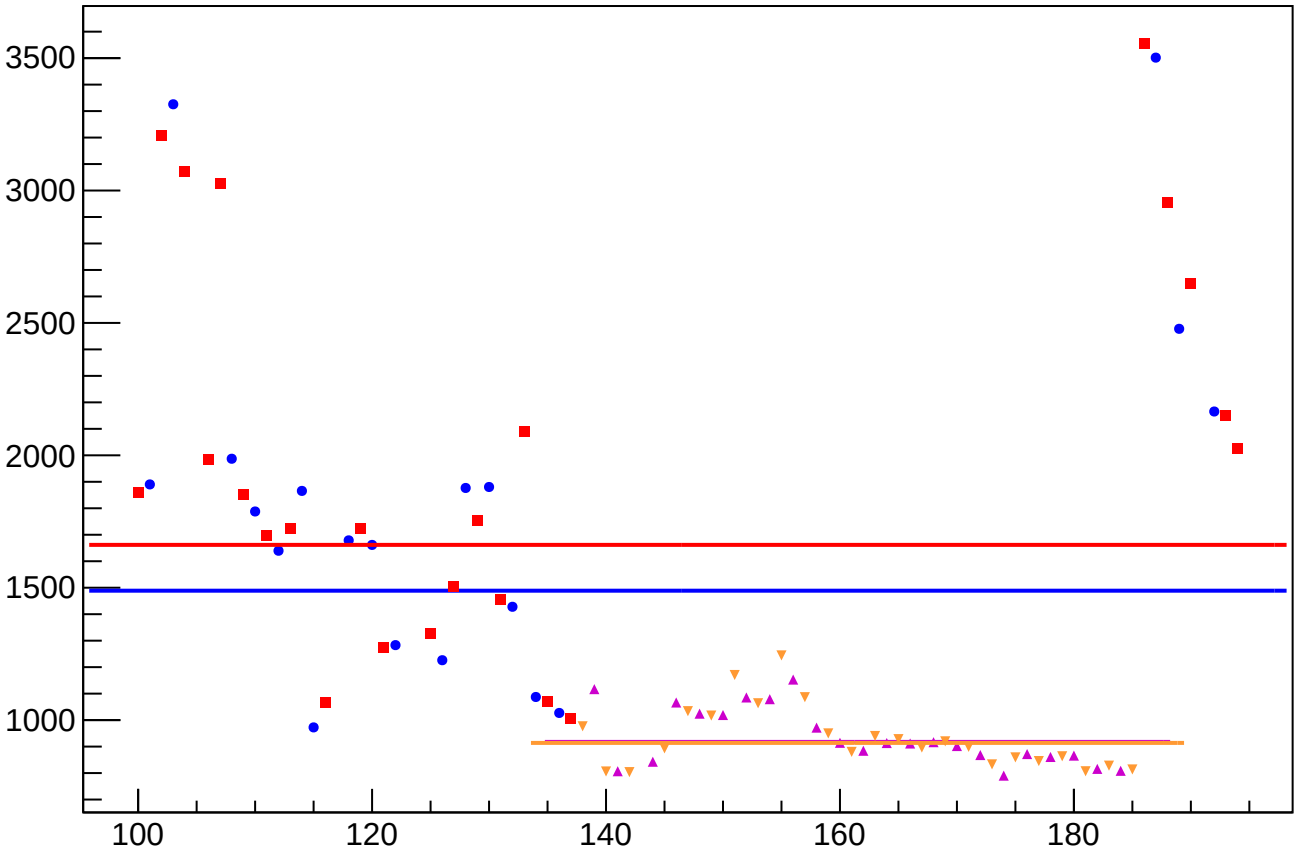
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: 58.493+/-377.031 χ^2/NDF: 45.7/41

In: -47.150+/-199.791 χ^2/NDF:53.9/41

Out: -621.998+/-198.939 χ^2/NDF:90.8/46

All: -335.803+/-140.971 χ^2/NDF: 148.8/88



Right In: 1488.747+/-0.373 χ^2/NDF: 1694958.5/18

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1661.770+/-0.382 χ^2/NDF: 2292315.2/22

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

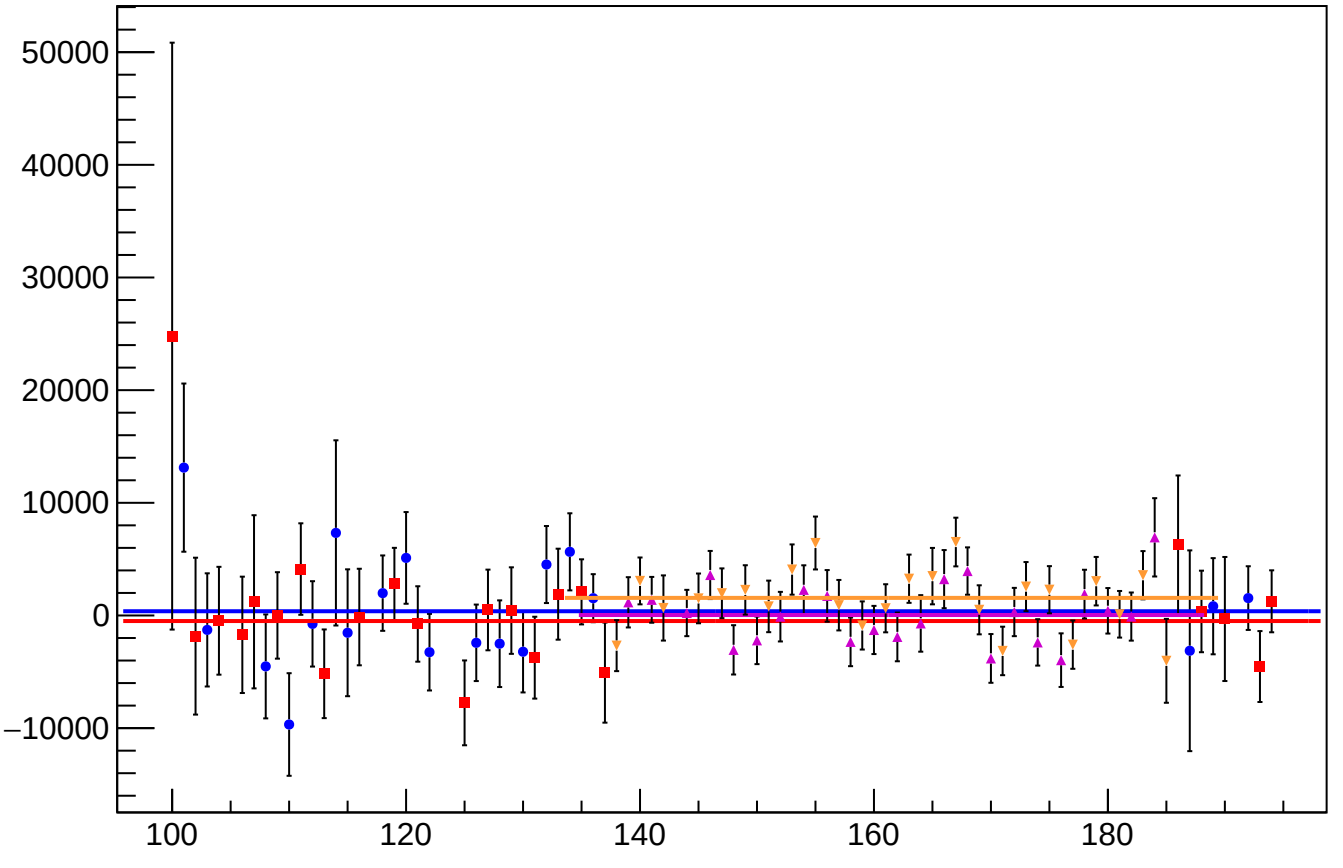
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1573.185+/-0.267 χ^2/NDF: 4092512.3/41

In: 999.774+/-0.141 χ^2/NDF:4136924.4/41

Out: 1015.510+/-0.141 χ^2/NDF:6073693.9/46

All: 1007.676+/-0.100 χ^2/NDF: 10216848.4/8



Right In: 376.400+/-870.511 χ^2/NDF: 19.4/18

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: -493.839+/-831.233 χ^2/NDF: 15.1/22

Left In: 39.885+/-459.938 χ^2/NDF:27.8/22

Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

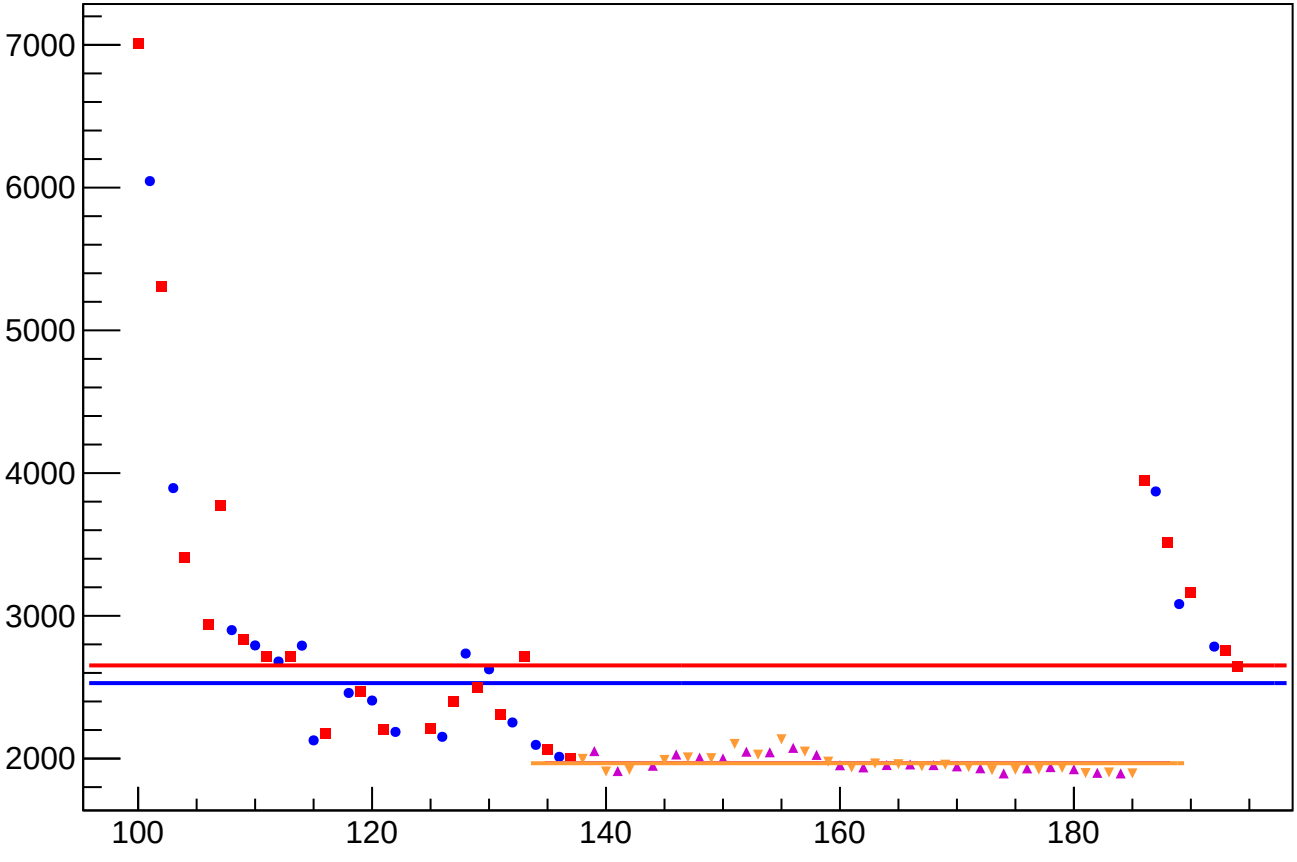
Right: -78.795+/-601.177 χ^2/NDF: 35.0/41

In: 113.324+/-406.665 χ^2/NDF:47.3/41

Out: 1084.520+/-400.388 χ^2/NDF:51.0/46

All: 606.476+/-285.310 χ^2/NDF: 101.2/88

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2528.708+/-0.616 χ^2/NDF: 939500.2/18

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

Right Out: 2652.611+/-0.588 χ^2/NDF: 923986.7/22

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

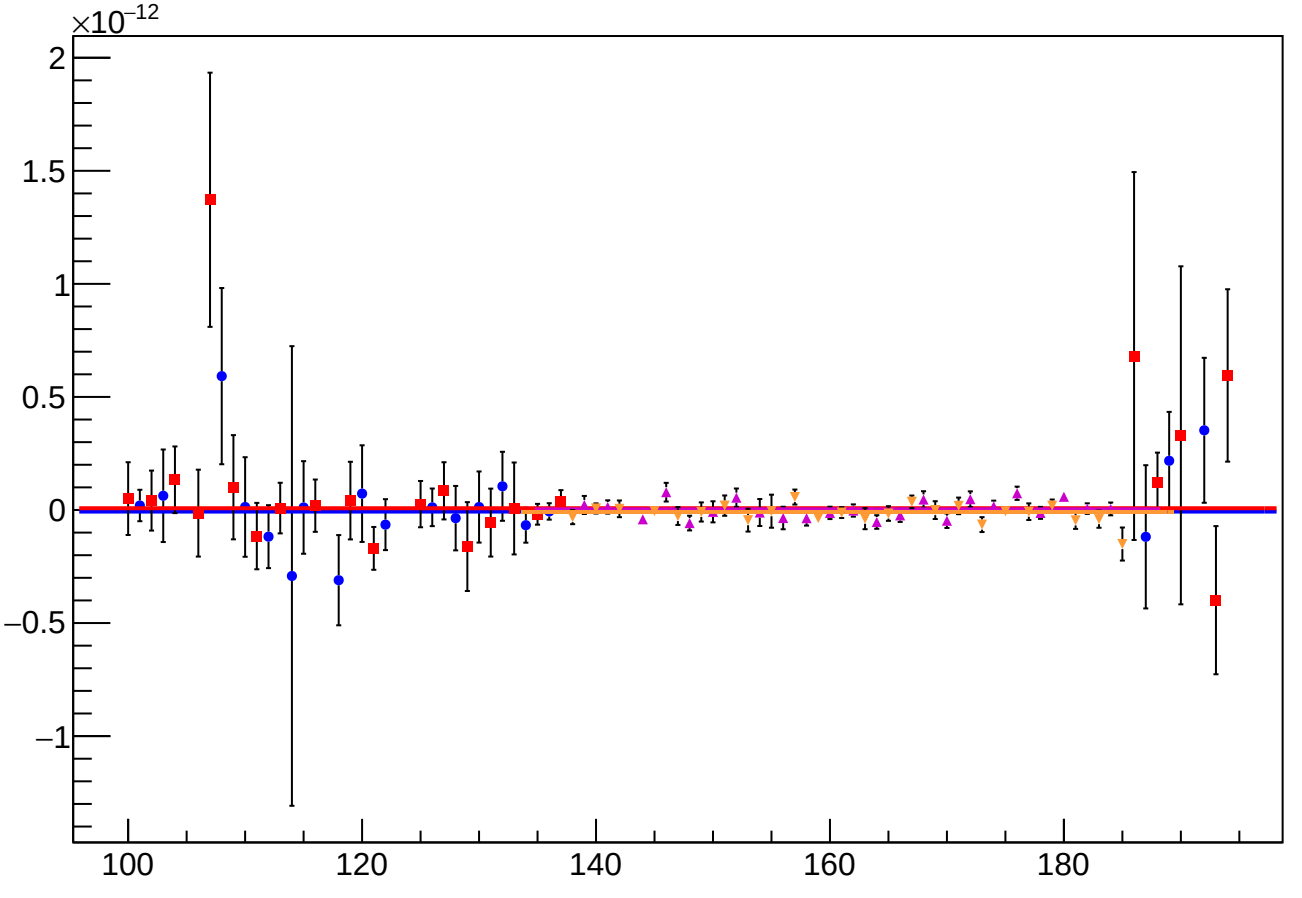
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2593.518+/-0.425 χ^2/NDF: 1884680.6/41

In: 2091.165+/-0.288 χ^2/NDF:1612340.6/41

Out: 2126.392+/-0.283 χ^2/NDF:2001886.5/46

All: 2109.053+/-0.202 χ^2/NDF: 3621847.5/88



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/22

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

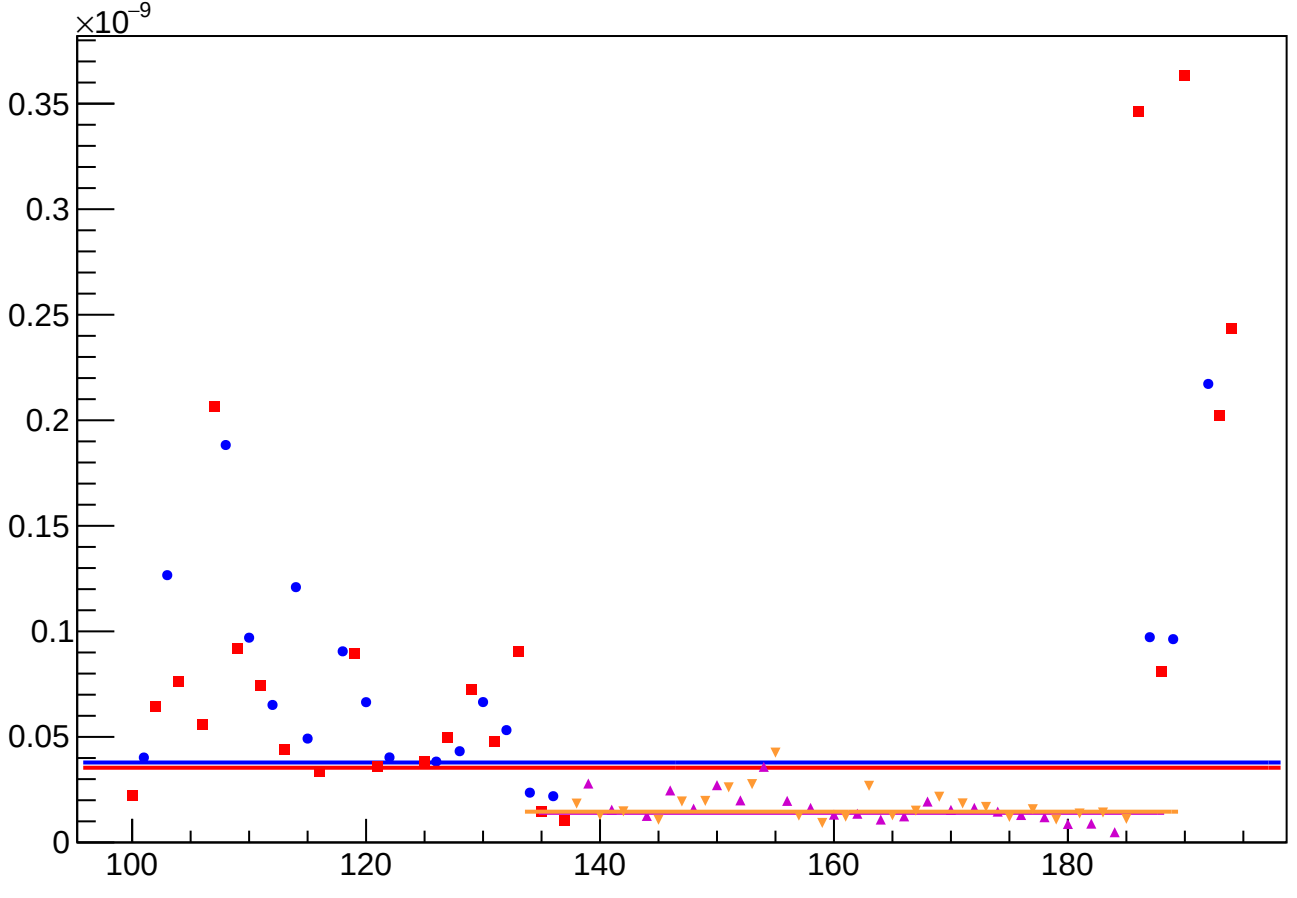
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 28.8/41

In: 0.000+/-0.000 χ^2/NDF:48.9/41

Out: -0.000+/-0.000 χ^2/NDF:40.1/46

All: -0.000+/-0.000 χ^2/NDF: 90.1/88



Right In: 0.000+/-0.000 χ^2/NDF: 2478292.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4161863.0/22

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

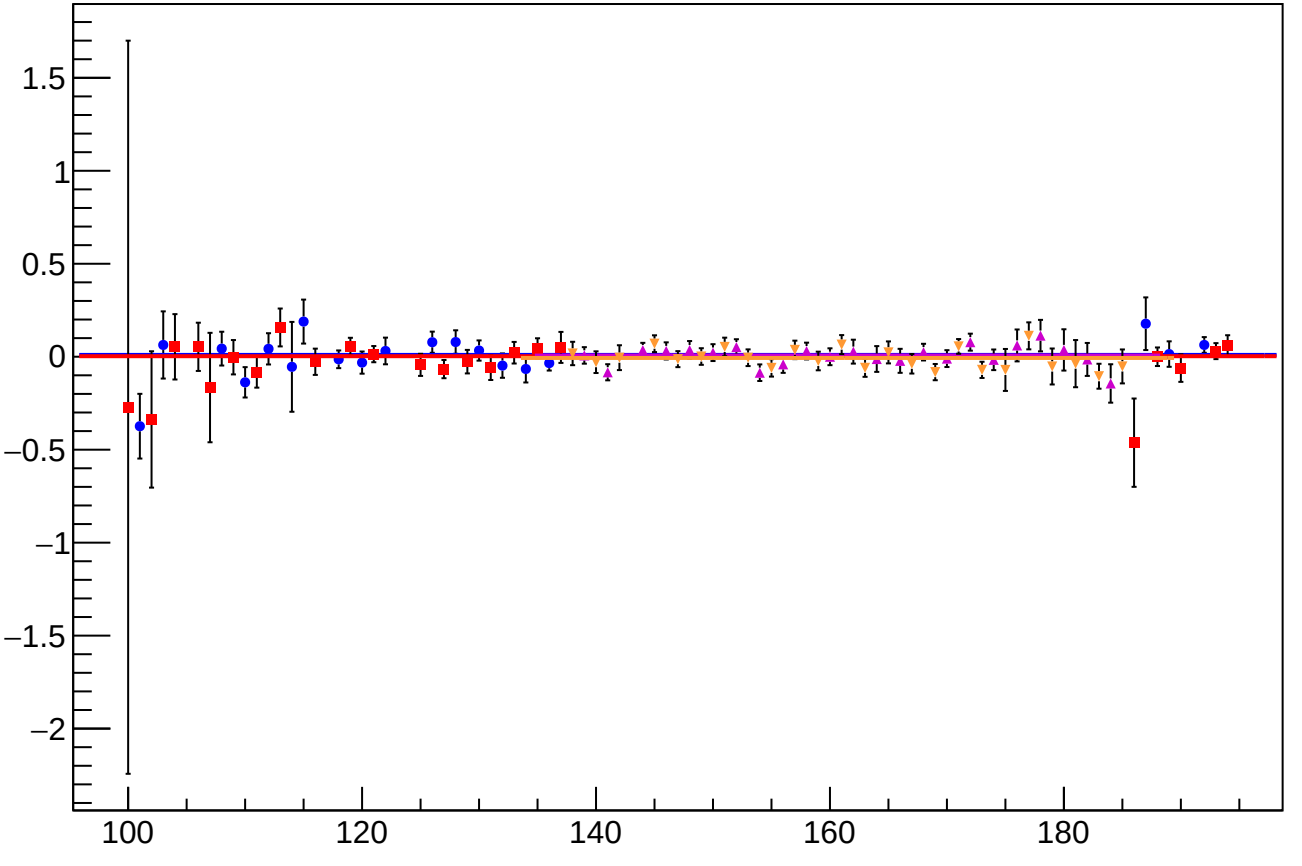
Right: 0.000+/-0.000 χ^2/NDF: 6650771.1/41

In: 0.000+/-0.000 χ^2/NDF:5722089.9/41

Out: 0.000+/-0.000 χ^2/NDF:6763665.7/46

All: 0.000+/-0.000 χ^2/NDF: 12491358.8/88

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.015 χ^2/NDF: 20.6/18

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.003+/-0.014 χ^2/NDF: 16.9/22

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

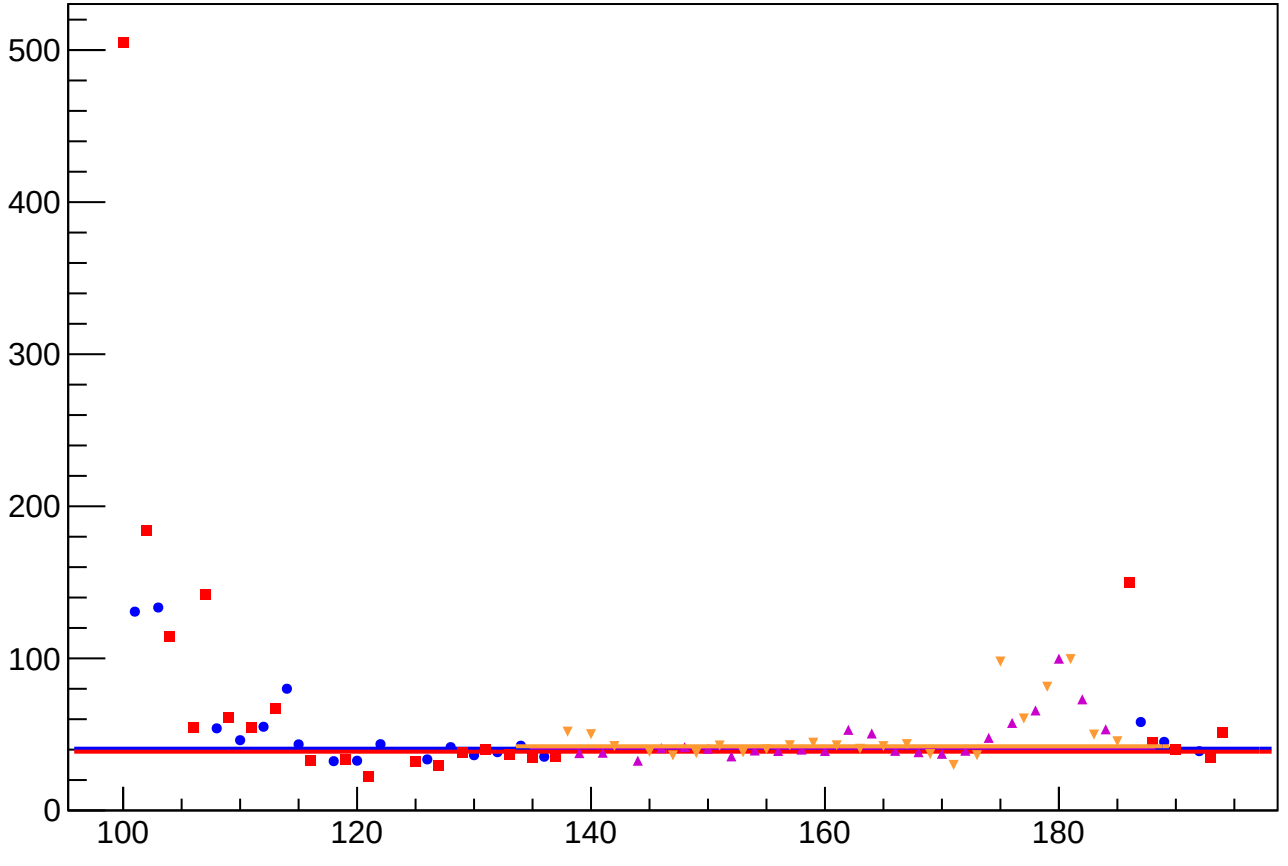
Right: 0.006+/-0.010 χ^2/NDF: 37.6/41

In: 0.007+/-0.009 χ^2/NDF:40.7/41

Out: -0.003+/-0.009 χ^2/NDF:41.1/46

All: 0.002+/-0.006 χ^2/NDF: 82.5/88

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.616+/-0.011 χ^2/NDF: 1452845.5/18

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 38.641+/-0.010 χ^2/NDF: 2442045.5/22

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

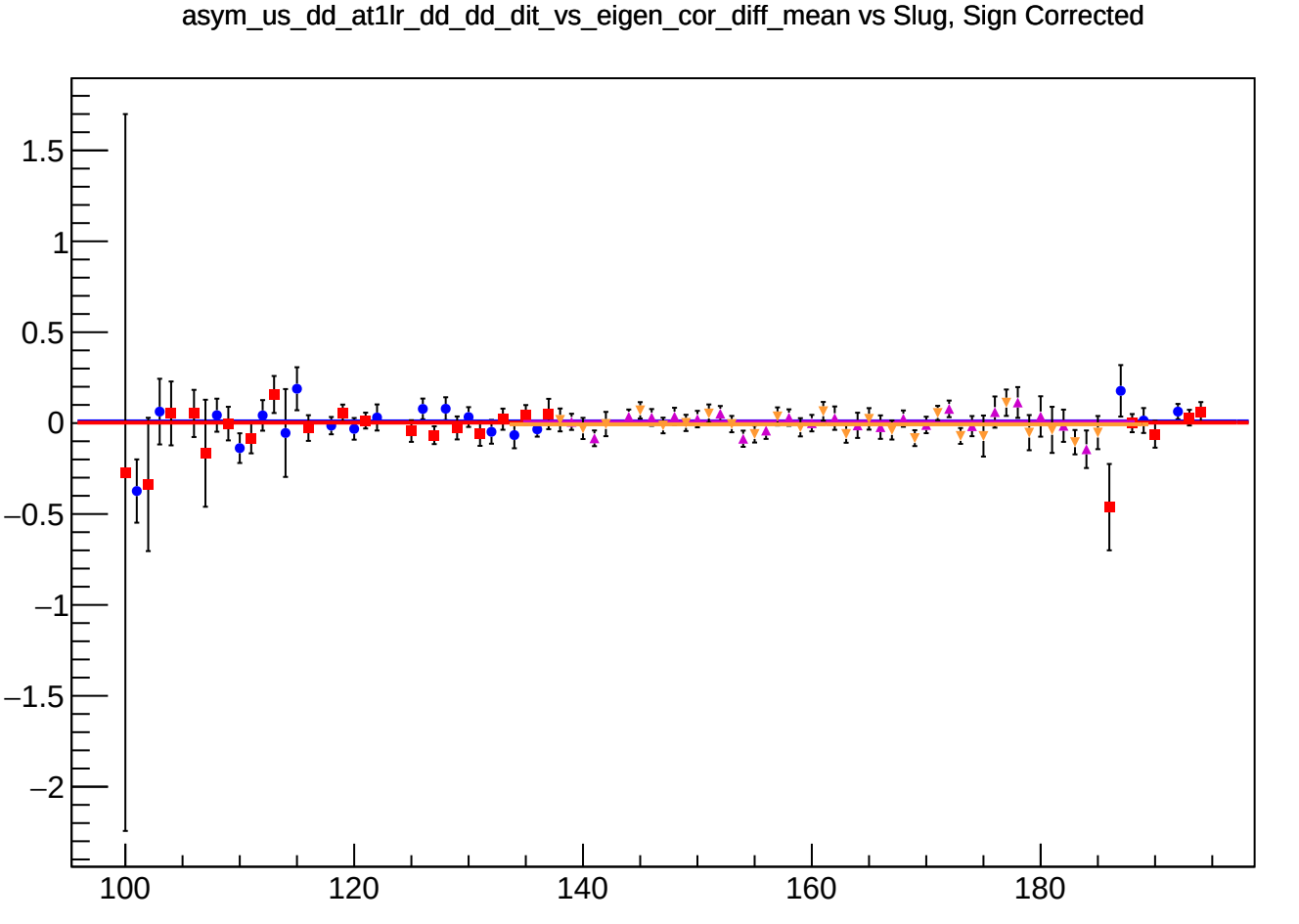
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 39.544+/-0.007 χ^2/NDF: 3912887.4/41

In: 41.156+/-0.006 χ^2/NDF:2868721.9/41

Out: 40.867+/-0.006 χ^2/NDF:4341614.8/46

All: 41.009+/-0.004 χ^2/NDF: 7211432.0/88



Right In: 0.010+/-0.015 χ^2/NDF: 20.6/18

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.003+/-0.014 χ^2/NDF: 16.9/22

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

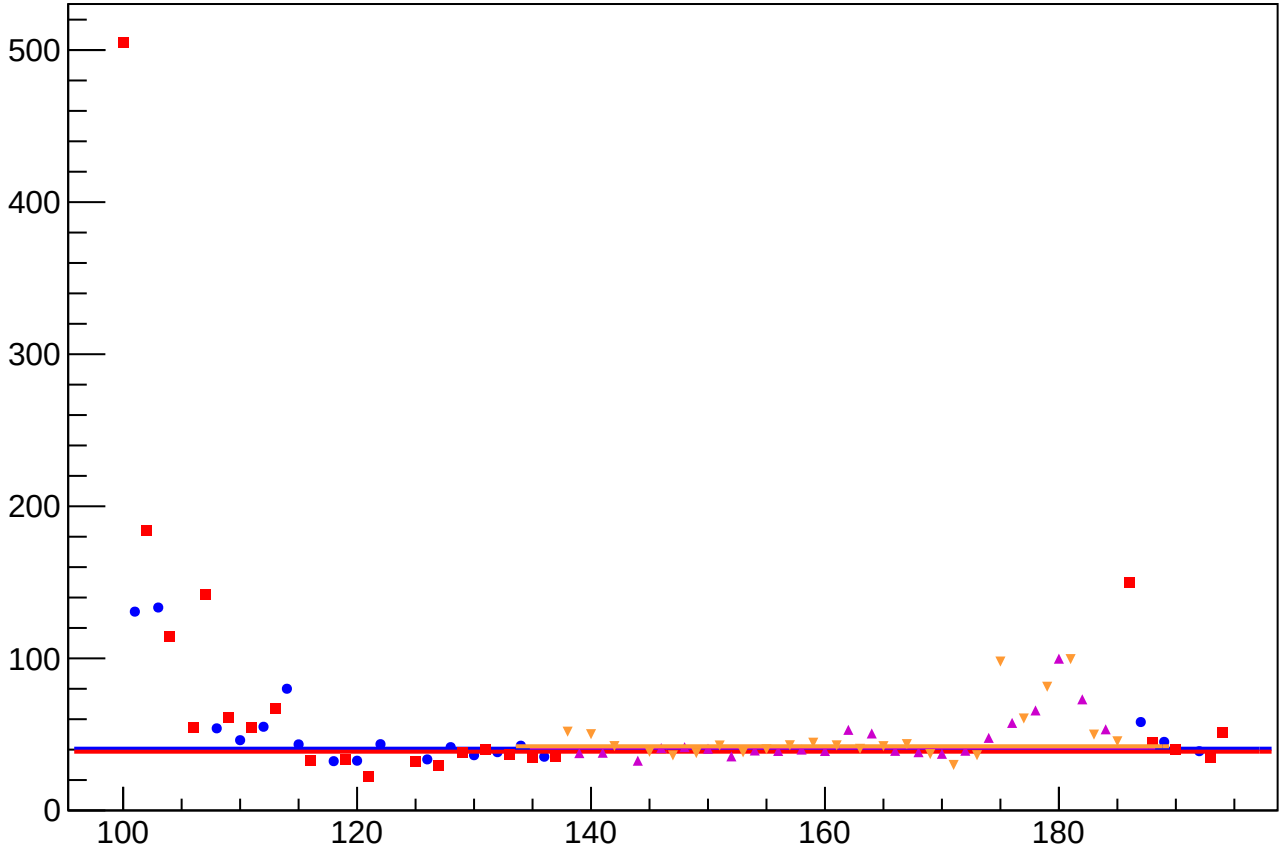
Right: 0.006+/-0.010 χ^2/NDF: 37.6/41

In: 0.007+/-0.009 χ^2/NDF:40.7/41

Out: -0.003+/-0.009 χ^2/NDF:41.1/46

All: 0.002+/-0.006 χ^2/NDF: 82.5/88

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.616+/-0.011 χ^2/NDF: 1452845.5/18

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 38.641+/-0.010 χ^2/NDF: 2442045.5/22

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

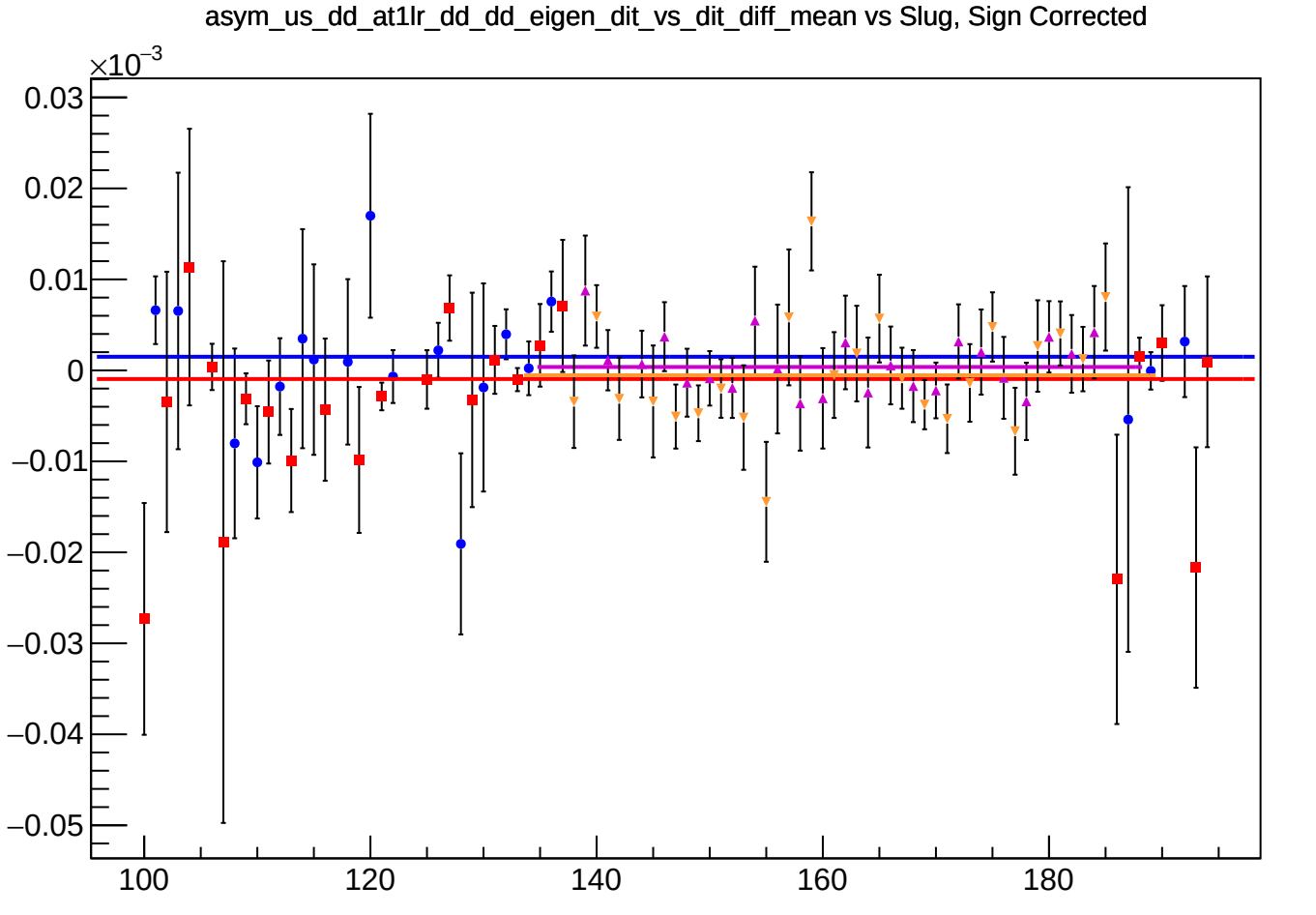
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

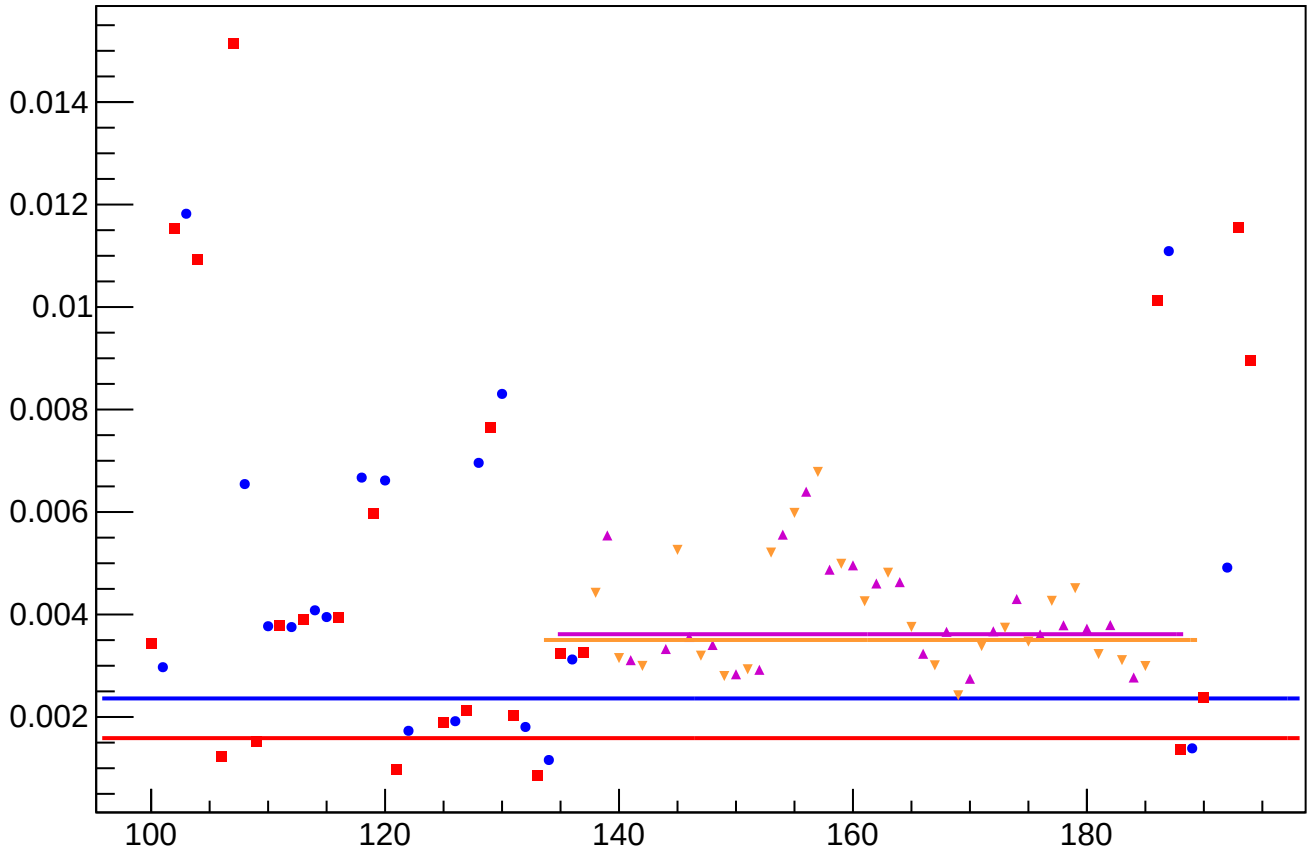
Right: 39.544+/-0.007 χ^2/NDF: 3912887.4/41

In: 41.156+/-0.006 χ^2/NDF:2868721.9/41

Out: 40.867+/-0.006 χ^2/NDF:4341614.8/46

All: 41.009+/-0.004 χ^2/NDF: 7211432.0/88


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 18.7/18
Left Out: -0.000+/-0.000 χ²/NDF:36.8/23
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/22
Left In: 0.000+/-0.000 χ²/NDF:9.7/22
Left: -0.000+/-0.000 χ²/NDF: 47.1/46
Right: -0.000+/-0.000 χ²/NDF: 48.6/41
In: 0.000+/-0.000 χ²/NDF:29.1/41
Out: -0.000+/-0.000 χ²/NDF:62.8/46
All: -0.000+/-0.000 χ²/NDF: 95.7/88



Right In: 0.002+/-0.000 χ^2/NDF: 4872244.6/18

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

Right Out: 0.002+/-0.000 χ^2/NDF: 8641973.8/22

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

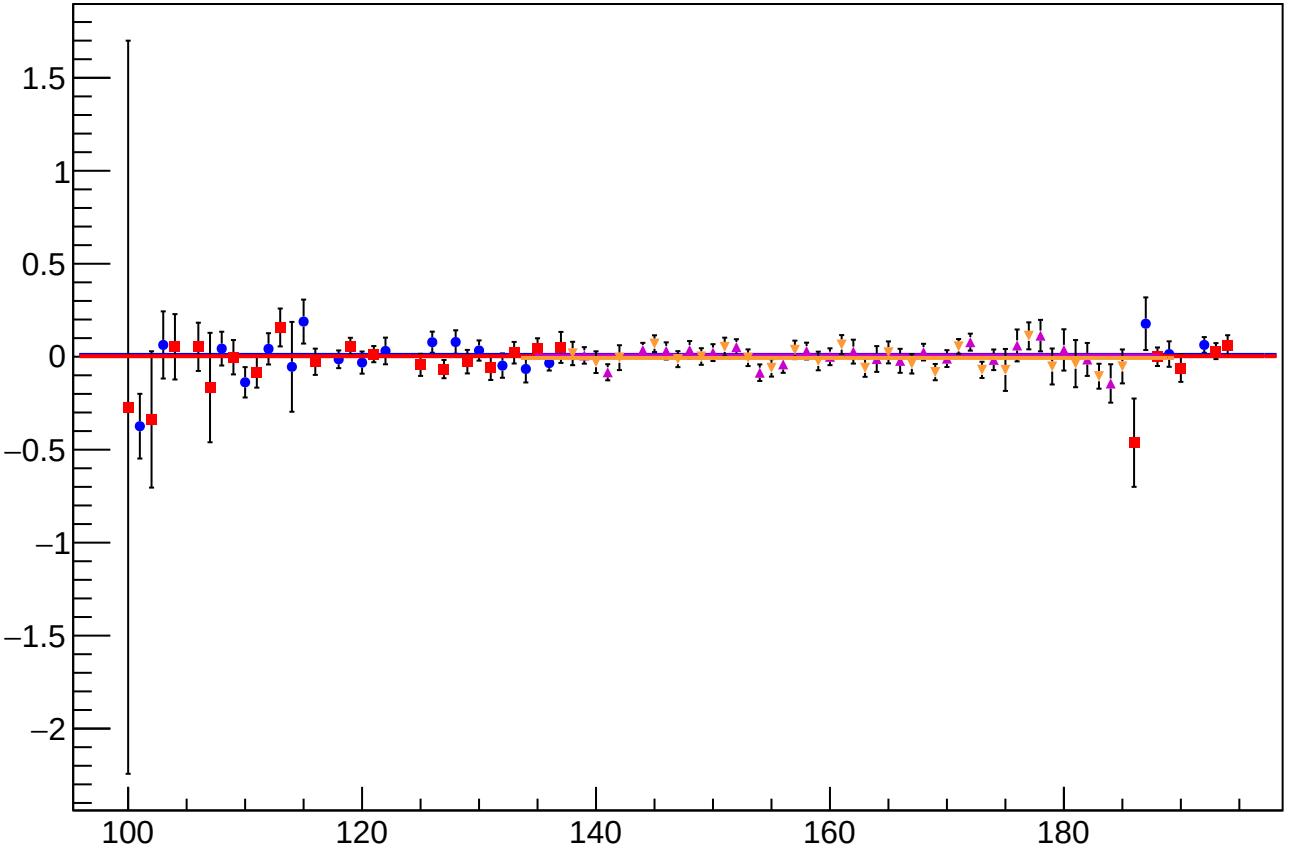
Right: 0.002+/-0.000 χ^2/NDF: 14341283.2/41

In: 0.003+/-0.000 χ^2/NDF:8359219.9/41

Out: 0.002+/-0.000 χ^2/NDF:16979937.1/46

All: 0.003+/-0.000 χ^2/NDF: 26729020.8/88

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.015 χ^2/NDF: 20.6/18

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.003+/-0.014 χ^2/NDF: 16.9/22

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

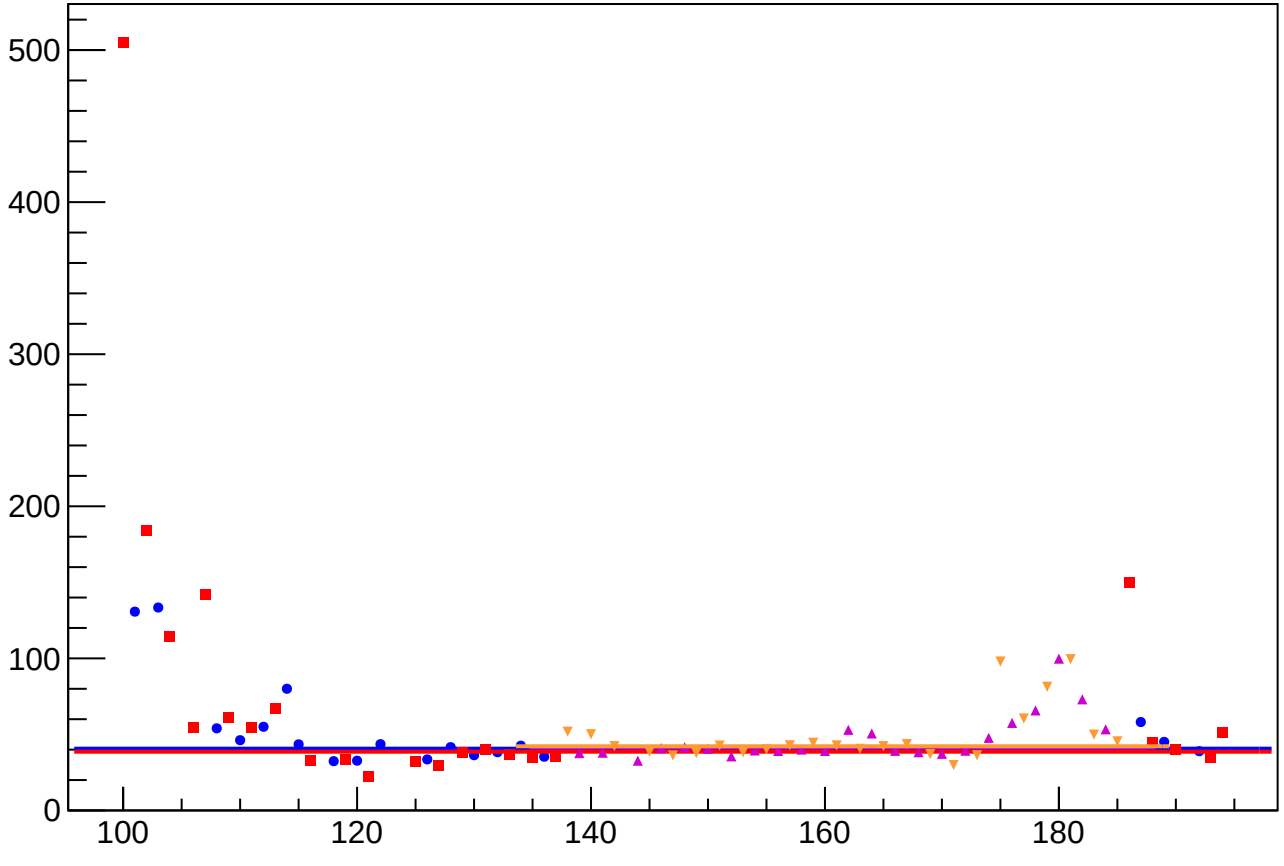
Right: 0.006+/-0.010 χ^2/NDF: 37.6/41

In: 0.007+/-0.009 χ^2/NDF:40.7/41

Out: -0.003+/-0.009 χ^2/NDF:41.1/46

All: 0.002+/-0.006 χ^2/NDF: 82.5/88

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.616+/-0.011 χ^2/NDF: 1452716.7/18

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 38.640+/-0.010 χ^2/NDF: 2442035.8/22

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

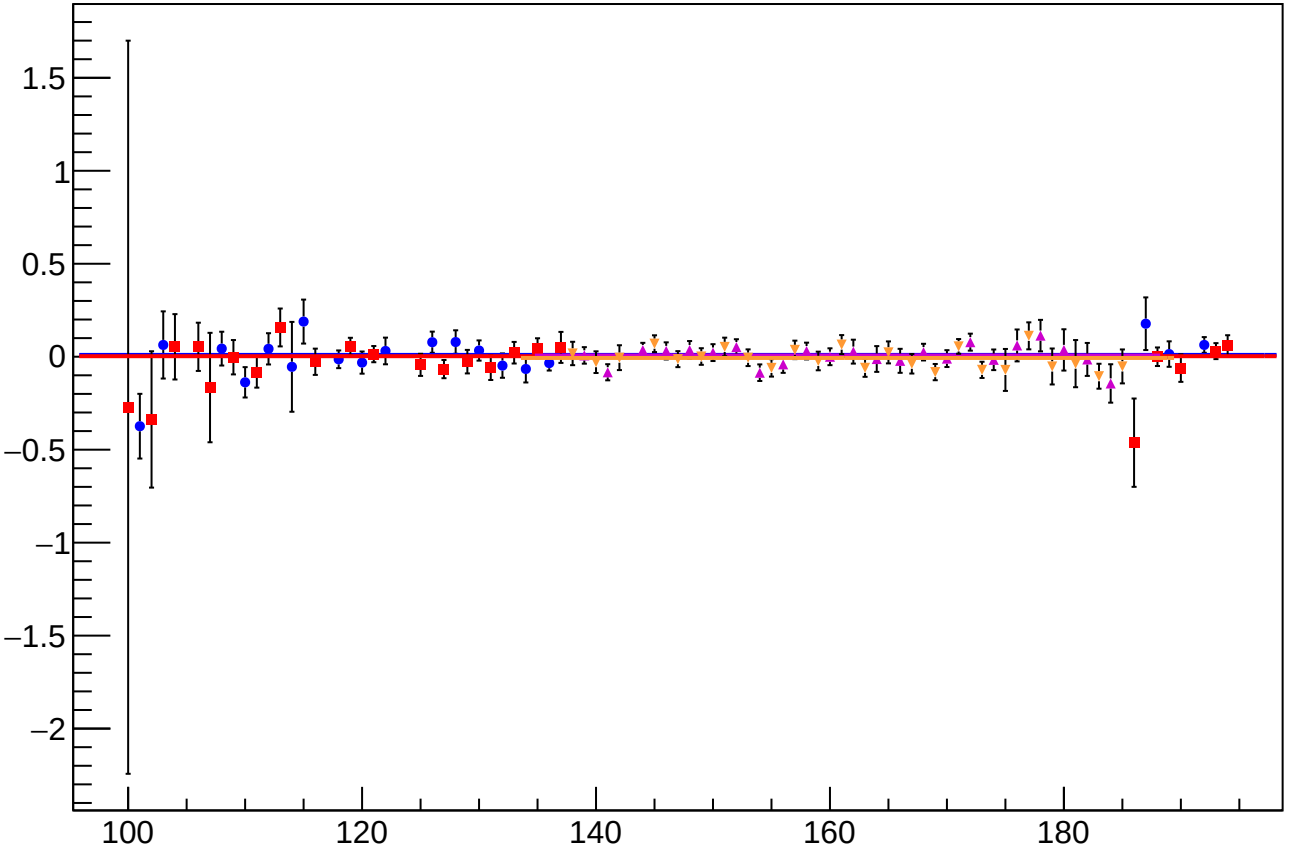
Right: 39.543+/-0.007 χ^2/NDF: 3912780.3/41

In: 41.156+/-0.006 χ^2/NDF:2868520.1/41

Out: 40.867+/-0.006 χ^2/NDF:4341650.7/46

All: 41.008+/-0.004 χ^2/NDF: 7211271.9/88

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.015 χ^2/NDF: 20.6/18

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.003+/-0.014 χ^2/NDF: 16.9/22

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

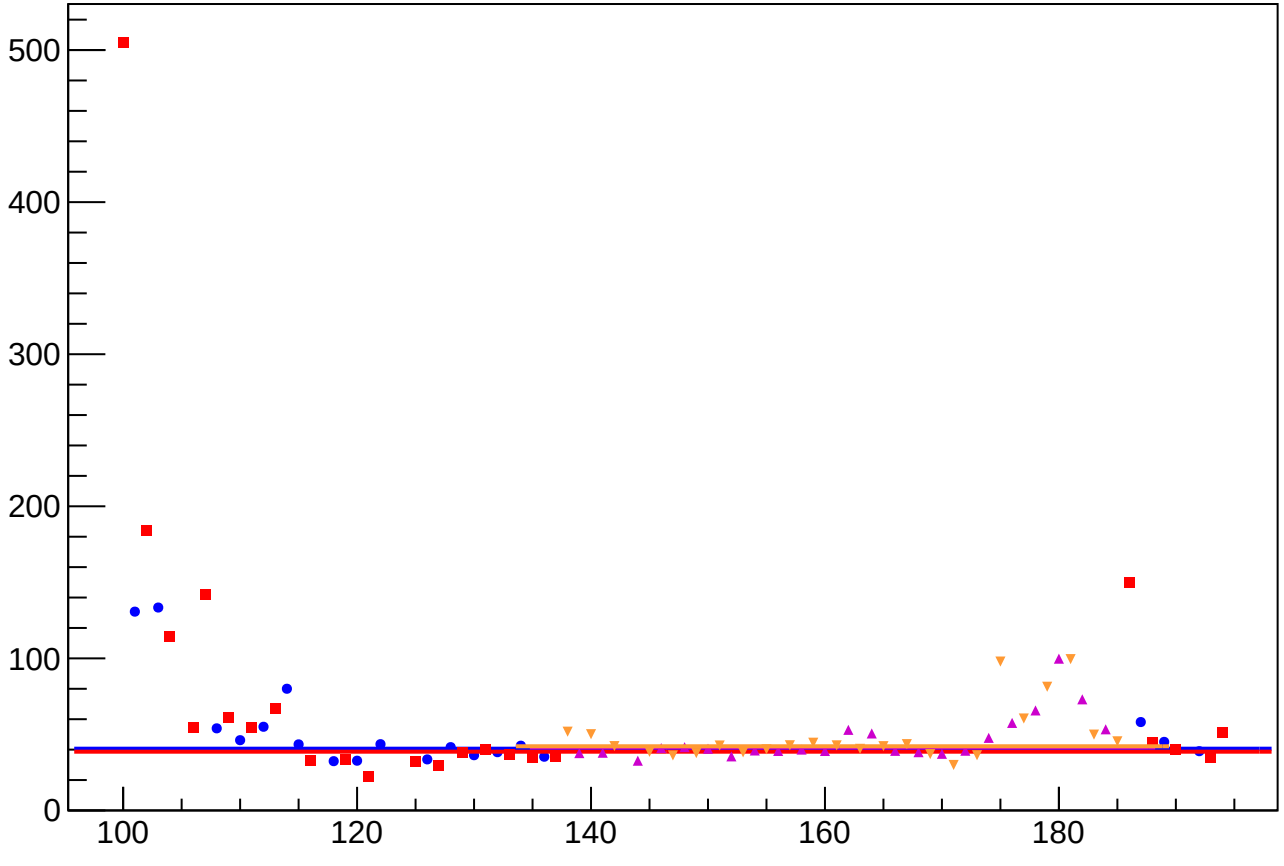
Right: 0.006+/-0.010 χ^2/NDF: 37.6/41

In: 0.007+/-0.009 χ^2/NDF:40.7/41

Out: -0.003+/-0.009 χ^2/NDF:41.1/46

All: 0.002+/-0.006 χ^2/NDF: 82.5/88

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.616+/-0.011 χ^2/NDF: 1452716.7/18

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 38.640+/-0.010 χ^2/NDF: 2442035.8/22

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

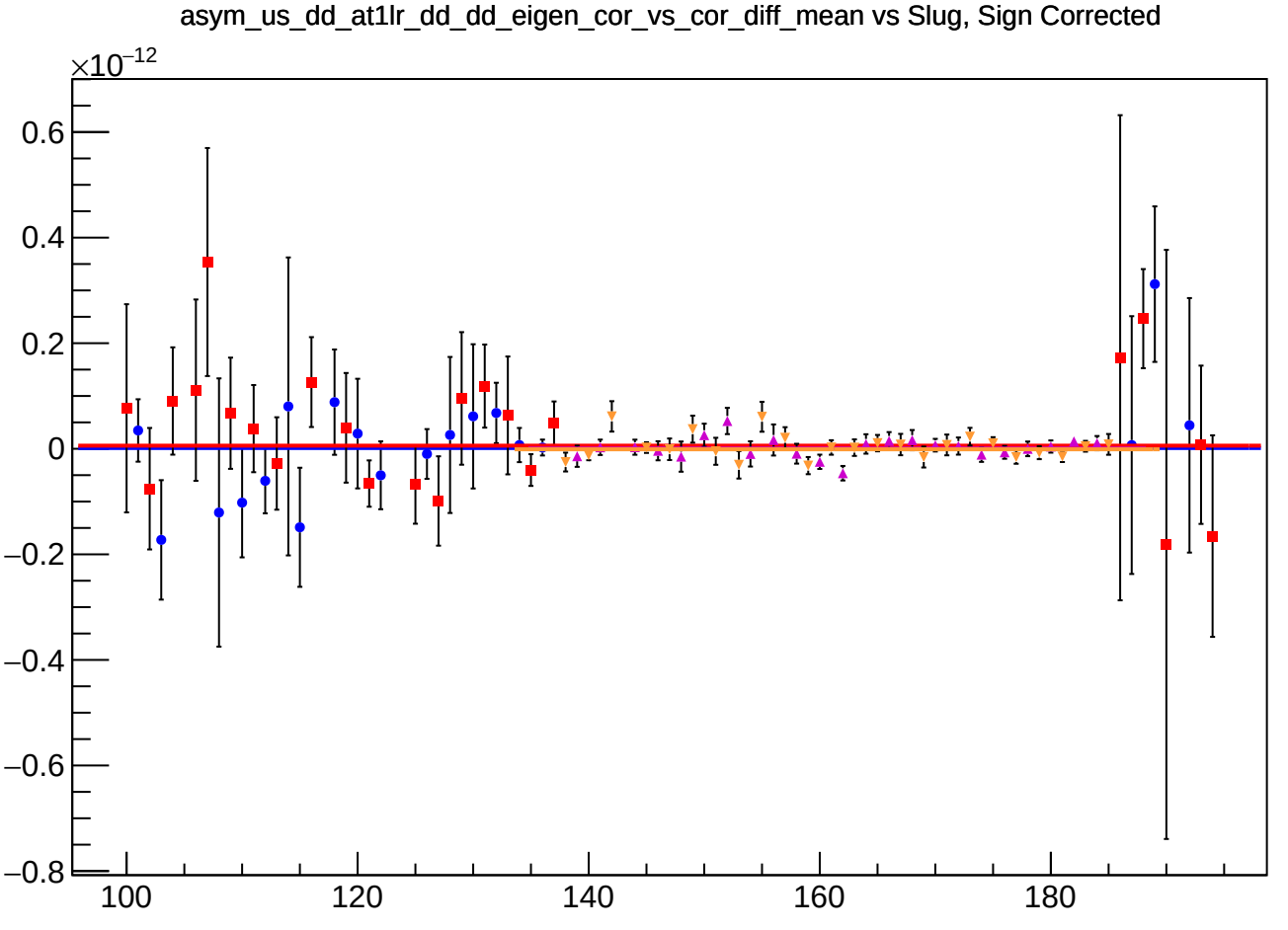
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

Right: 39.543+/-0.007 χ^2/NDF: 3912780.3/41

In: 41.156+/-0.006 χ^2/NDF:2868520.1/41

Out: 40.867+/-0.006 χ^2/NDF:4341650.7/46

All: 41.008+/-0.004 χ^2/NDF: 7211271.9/88



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/22

Left In: 0.000+/-0.000 χ^2/NDF:28.3/22

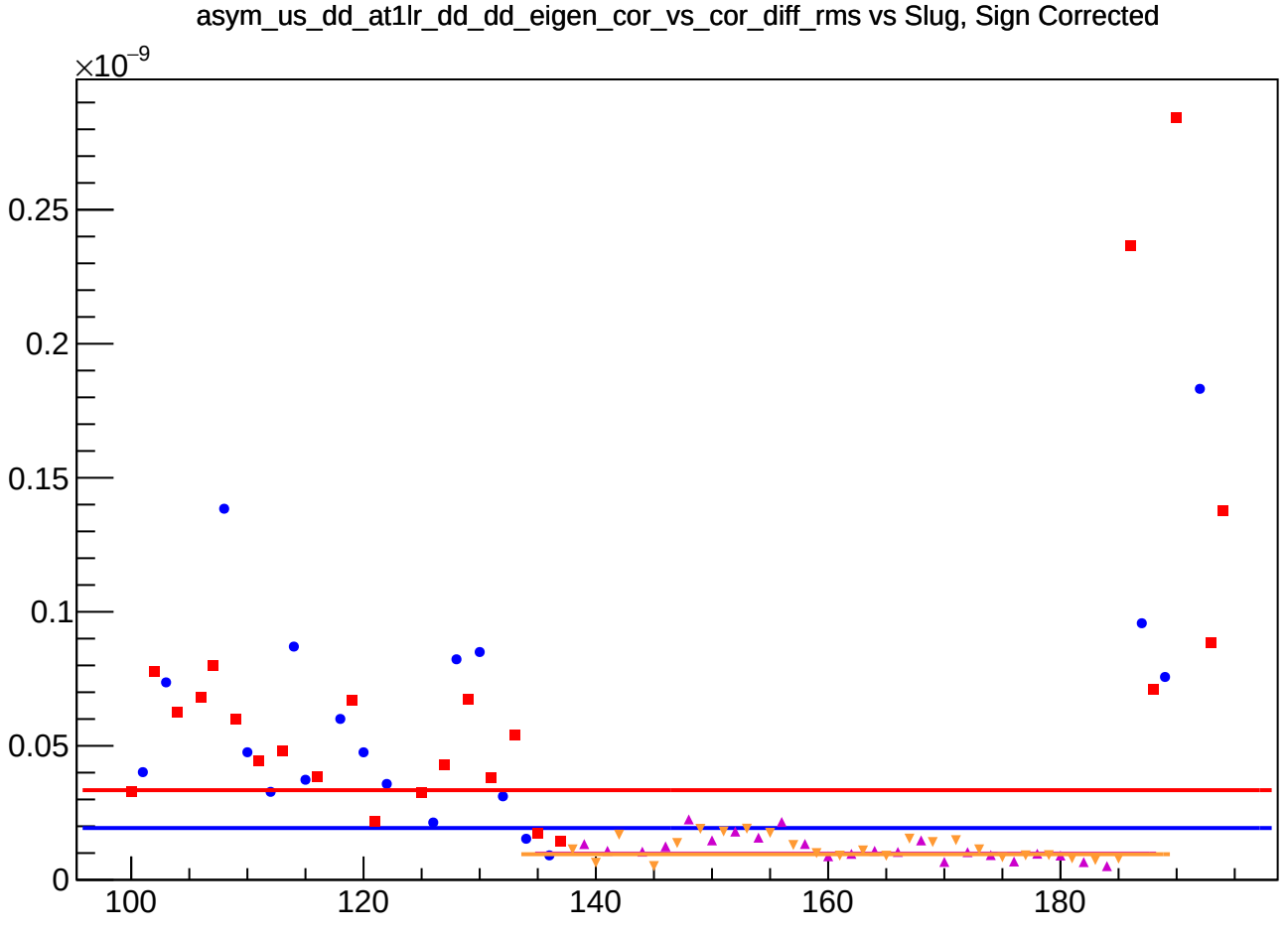
Left: -0.000+/-0.000 χ^2/NDF: 57.9/46

Right: 0.000+/-0.000 χ^2/NDF: 40.5/41

In: 0.000+/-0.000 χ^2/NDF:42.7/41

Out: -0.000+/-0.000 χ^2/NDF:55.8/46

All: -0.000+/-0.000 χ^2/NDF: 98.6/88



Right In: 0.000+/-0.000 χ^2/NDF: 5447067.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4435565.1/22

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

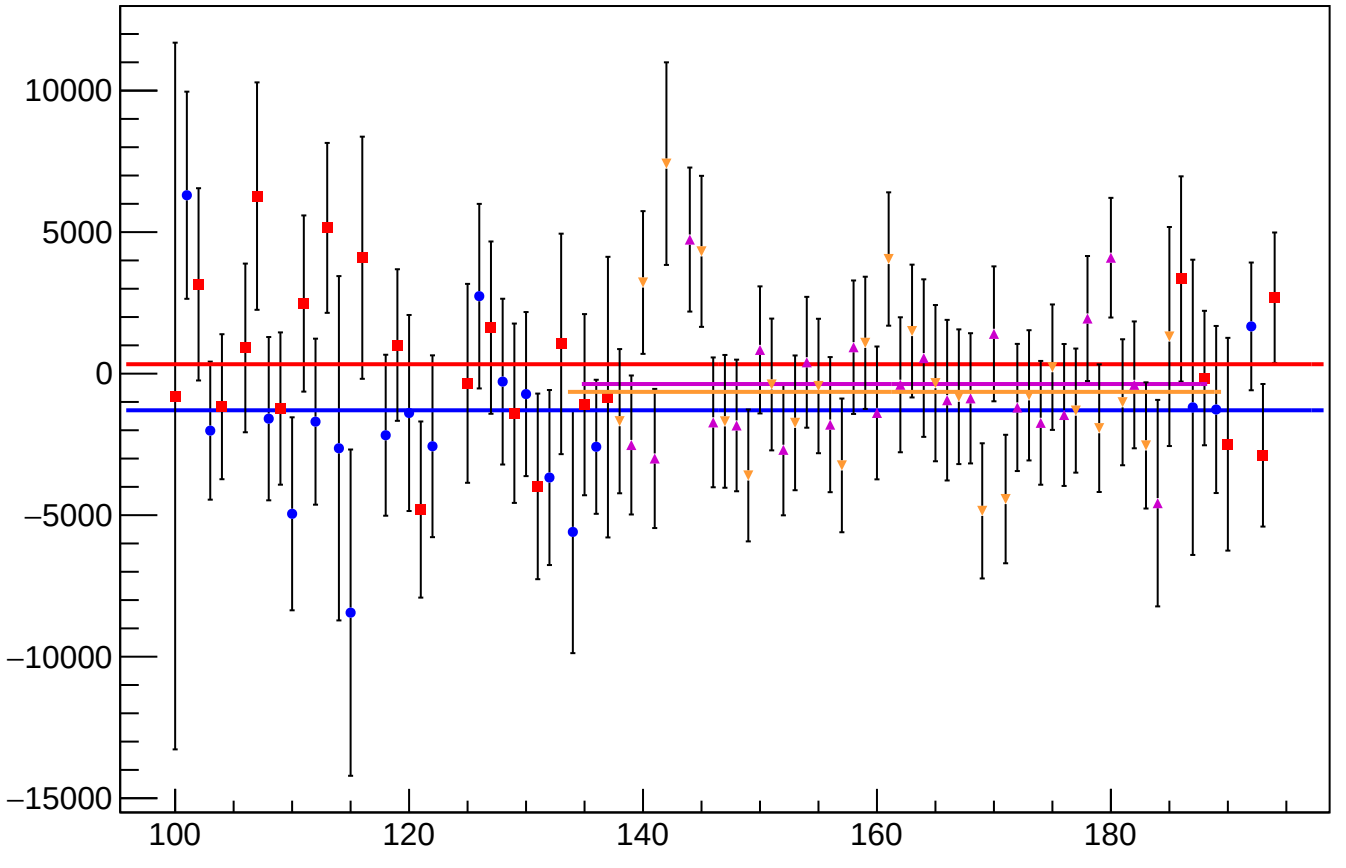
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 10906528.9/41

In: 0.000+/-0.000 χ^2/NDF:8971471.3/41

Out: 0.000+/-0.000 χ^2/NDF:11156082.4/46

All: 0.000+/-0.000 χ^2/NDF: 20128194.9/88



Right In: -1294.520+/-717.669 χ^2/NDF: 12.7/18

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: 333.031+/-655.720 χ^2/NDF: 16.7/22

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

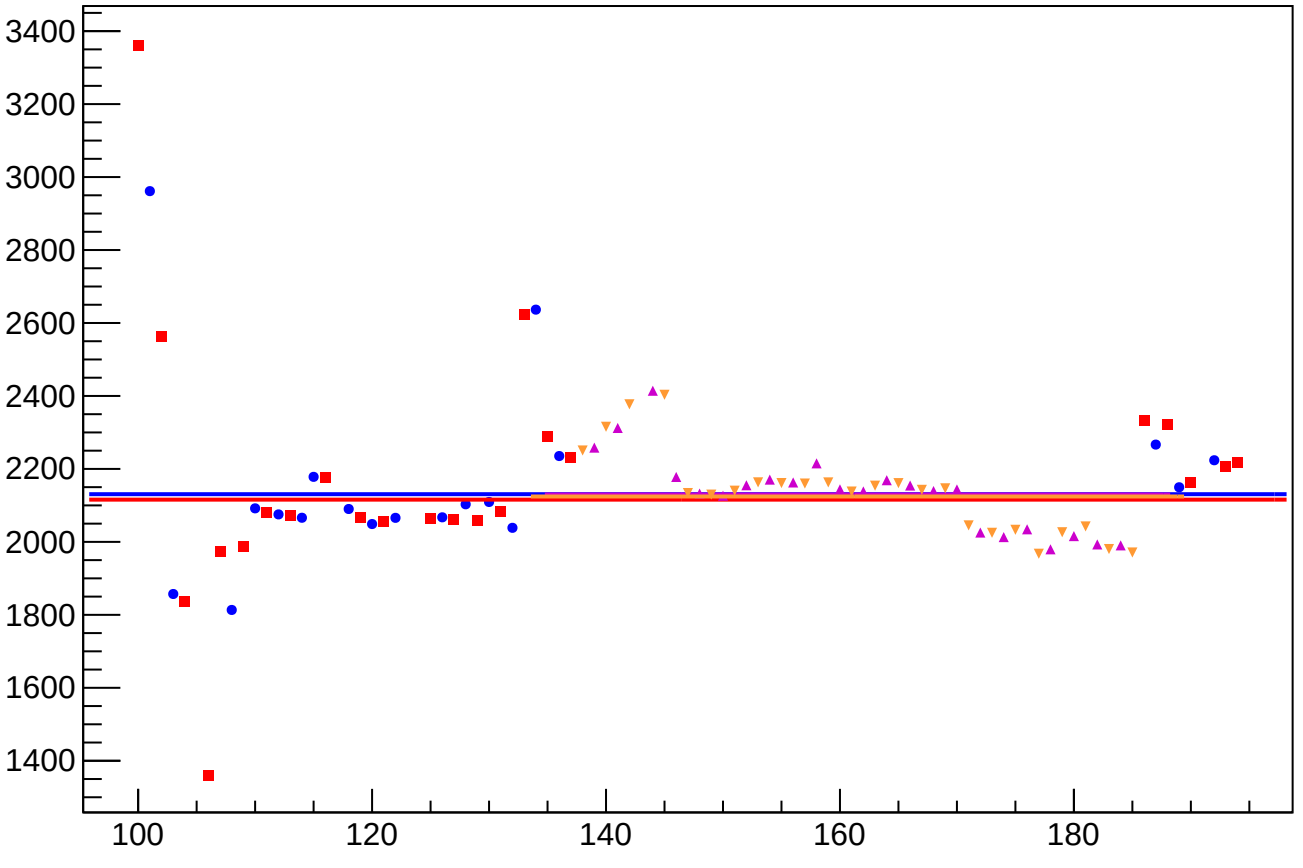
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -407.481+/-484.086 χ^2/NDF: 32.3/41

In: -668.211+/-409.086 χ^2/NDF:31.2/41

Out: -290.418+/-394.398 χ^2/NDF:45.3/46

All: -472.411+/-283.932 χ^2/NDF: 76.9/88



Right In: 2130.726+/-0.507 χ^2/NDF: 195575.3/18

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2115.796+/-0.464 χ^2/NDF: 287972.5/22

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

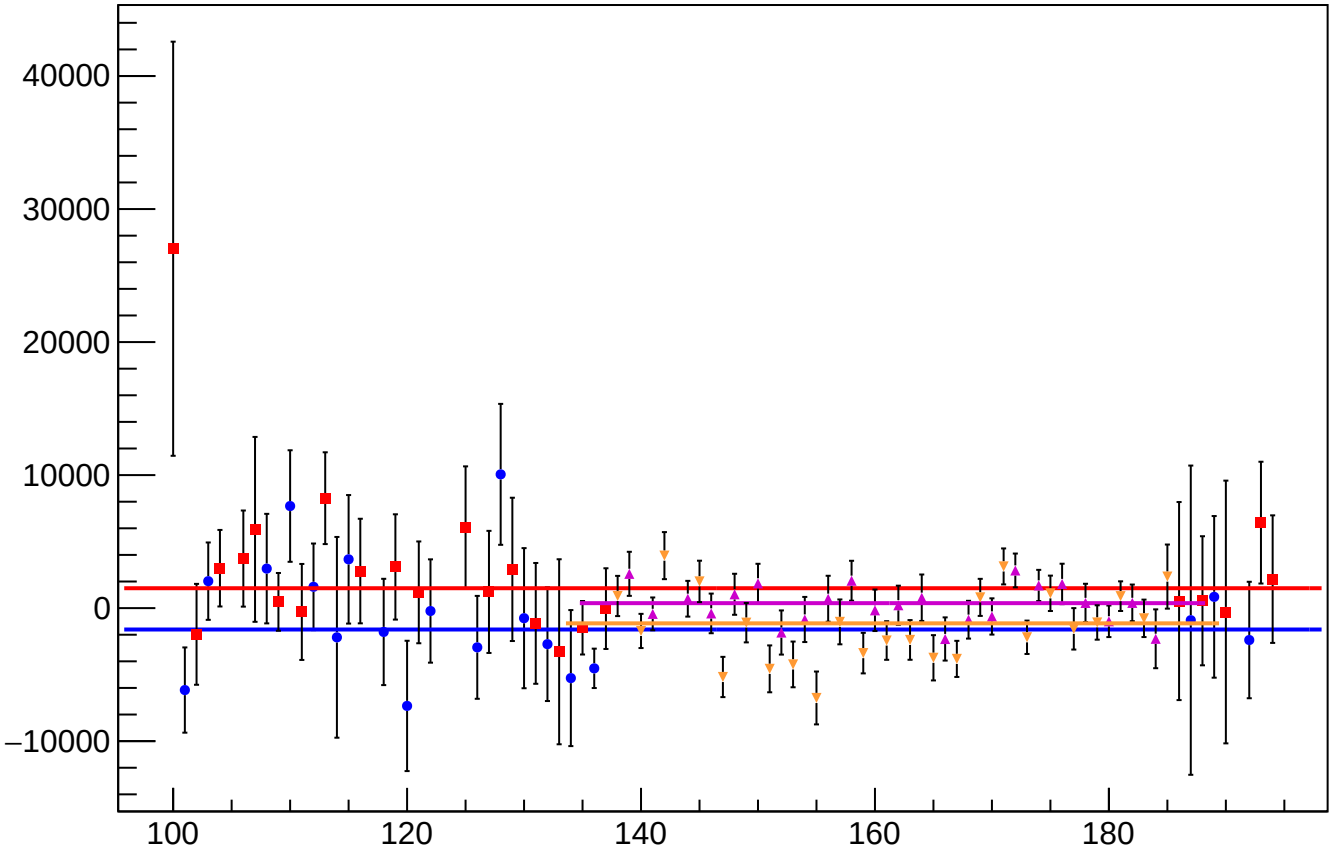
Right: 2122.589+/-0.342 χ^2/NDF: 484019.5/41

In: 2130.166+/-0.289 χ^2/NDF:280931.5/41

Out: 2121.311+/-0.279 χ^2/NDF:377378.2/46

All: 2125.577+/-0.201 χ^2/NDF: 658795.4/88

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1607.838+/-835.894 χ^2/NDF: 23.1/18

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

Right Out: 1495.527+/-796.105 χ^2/NDF: 14.8/22

Left In: 373.302+/-305.378 χ^2/NDF:20.3/22

Left: -392.974+/-214.906 χ^2/NDF: 100.3/46

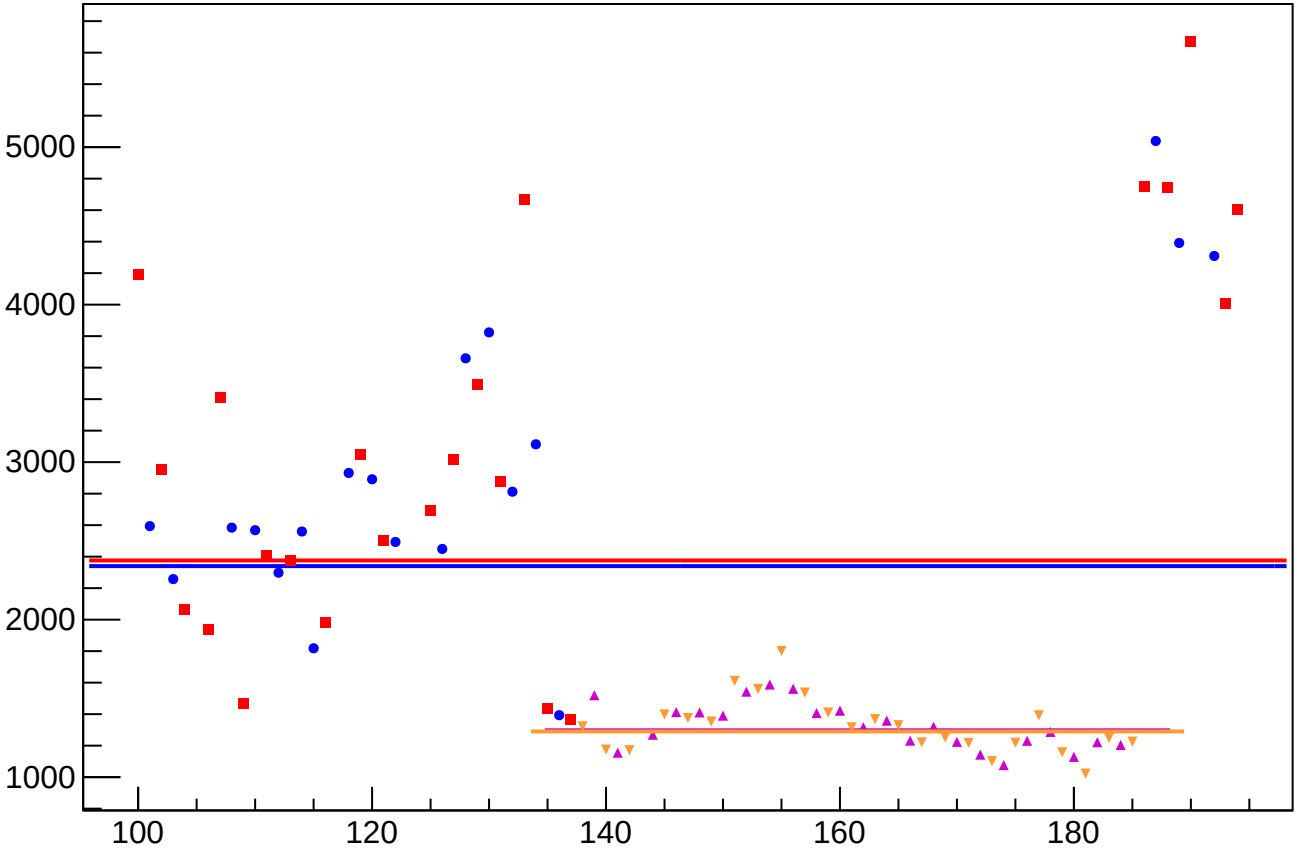
Right: 19.460+/-576.485 χ^2/NDF: 45.0/41

In: 140.021+/-286.836 χ^2/NDF:48.3/41

Out: -811.721+/-282.765 χ^2/NDF:91.9/46

All: -342.652+/-201.369 χ^2/NDF: 145.8/88

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2339.888+/-0.591 χ^2/NDF: 2037261.0/18

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2375.808+/-0.563 χ^2/NDF: 3221310.5/22

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

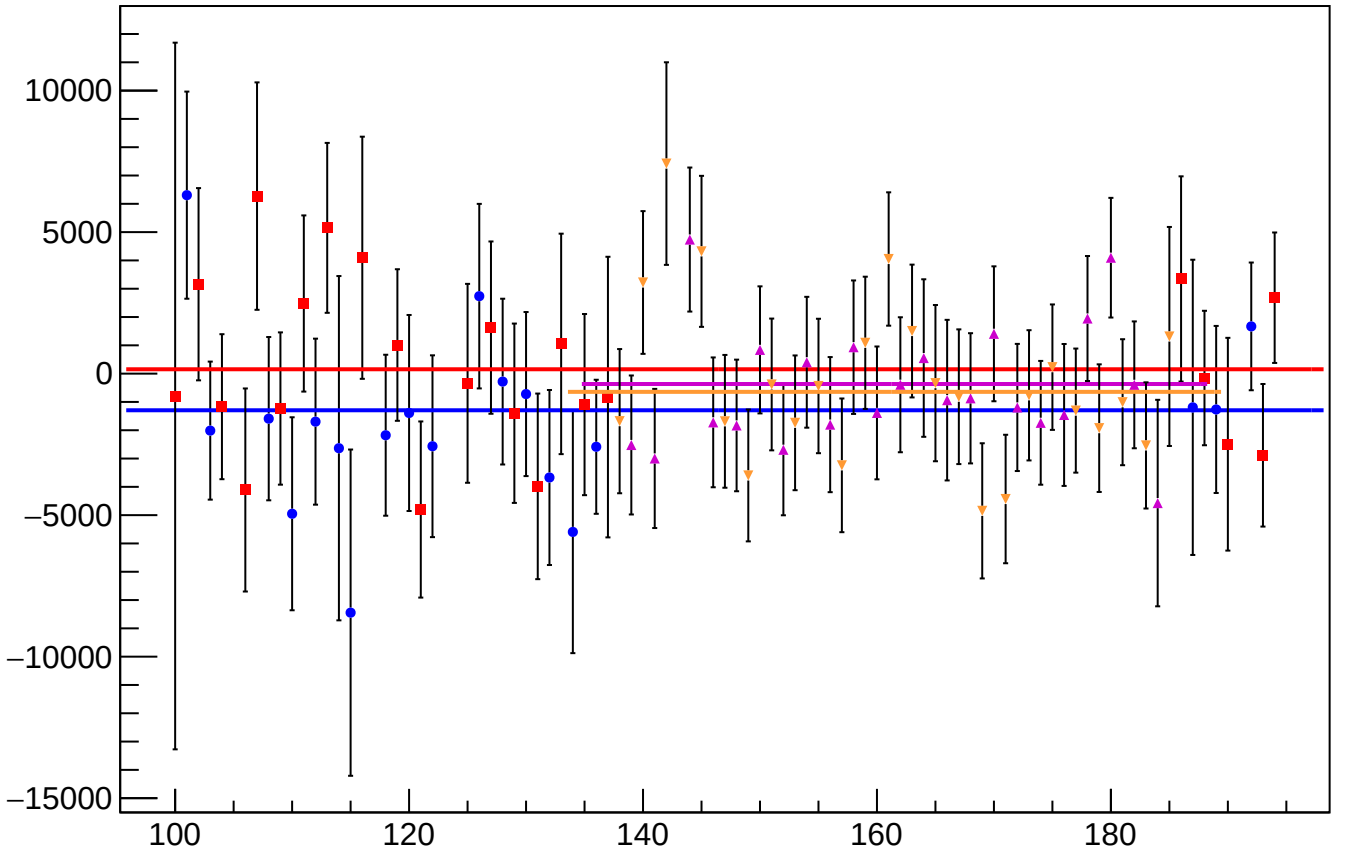
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2358.723+/-0.408 χ^2/NDF: 5260508.0/41

In: 1420.202+/-0.203 χ^2/NDF:5215457.9/41

Out: 1427.007+/-0.200 χ^2/NDF:7040171.0/46

All: 1423.653+/-0.142 χ^2/NDF: 12256199.8/8



Right In: -1294.458+/-717.669 χ^2/NDF: 12.7/18

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 154.265+/-660.696 χ^2/NDF: 18.1/22

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

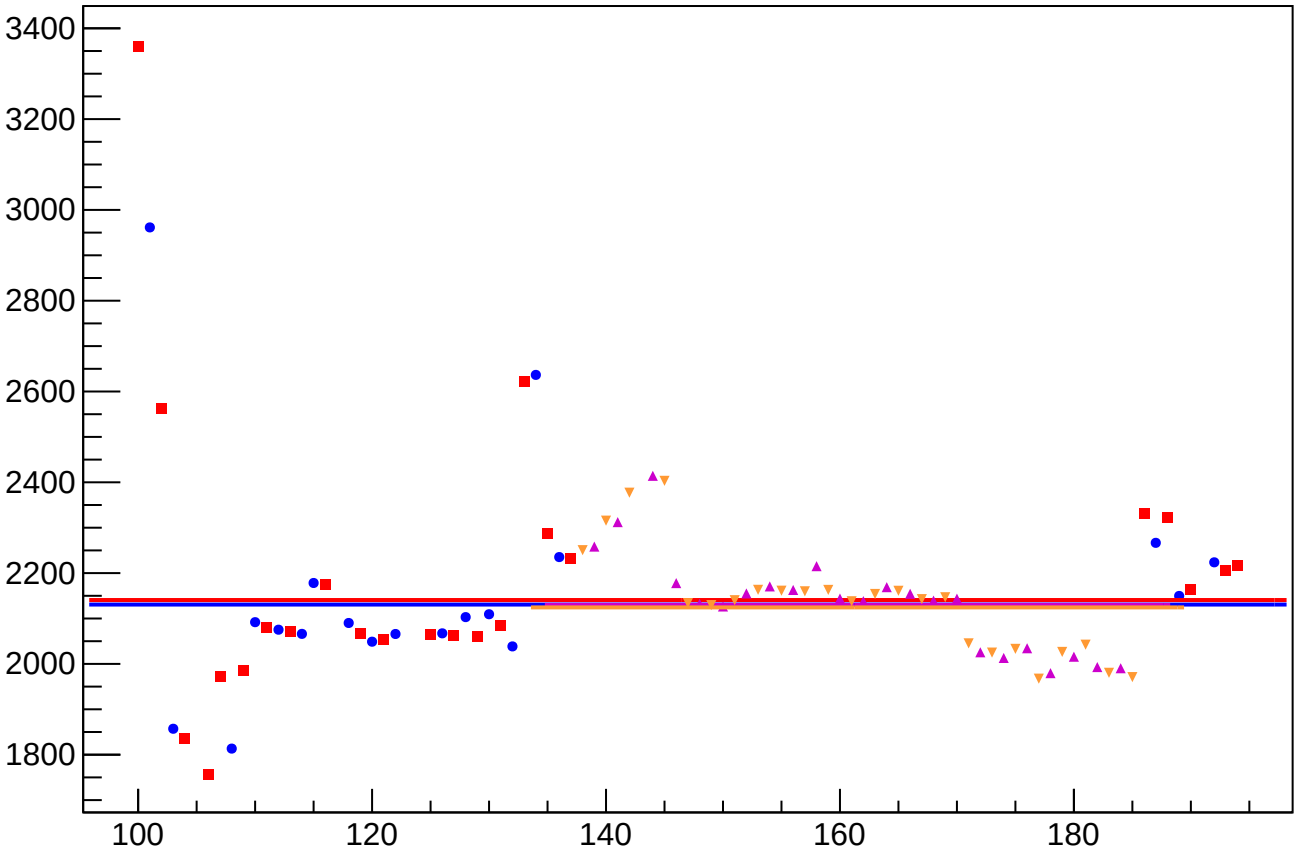
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -510.318+/-486.078 χ^2/NDF: 33.1/41

In: -668.116+/-409.086 χ^2/NDF:31.2/41

Out: -357.783+/-395.473 χ^2/NDF:46.2/46

All: -507.700+/-284.333 χ^2/NDF: 77.7/88



Right In: 2130.726+/-0.507 χ^2/NDF: 195575.6/18

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2140.704+/-0.467 χ^2/NDF: 176885.8/22

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

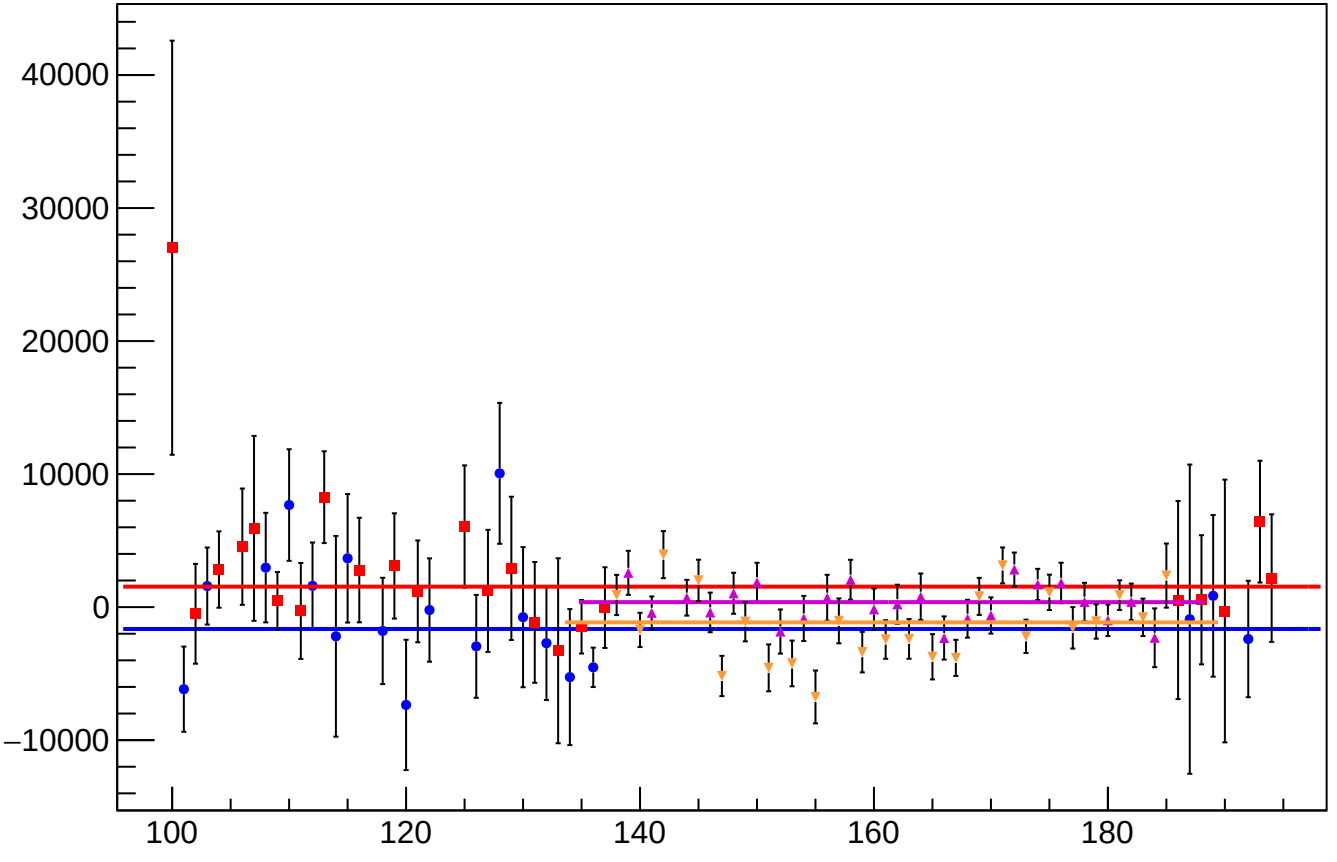
Right: 2136.126+/-0.344 χ^2/NDF: 372670.6/41

In: 2130.166+/-0.289 χ^2/NDF:280931.8/41

Out: 2130.265+/-0.280 χ^2/NDF:266847.7/46

All: 2130.217+/-0.201 χ^2/NDF: 547779.6/88

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1643.548+/-835.628 χ^2/NDF: 22.7/18

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1538.757+/-801.752 χ^2/NDF: 14.2/22

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

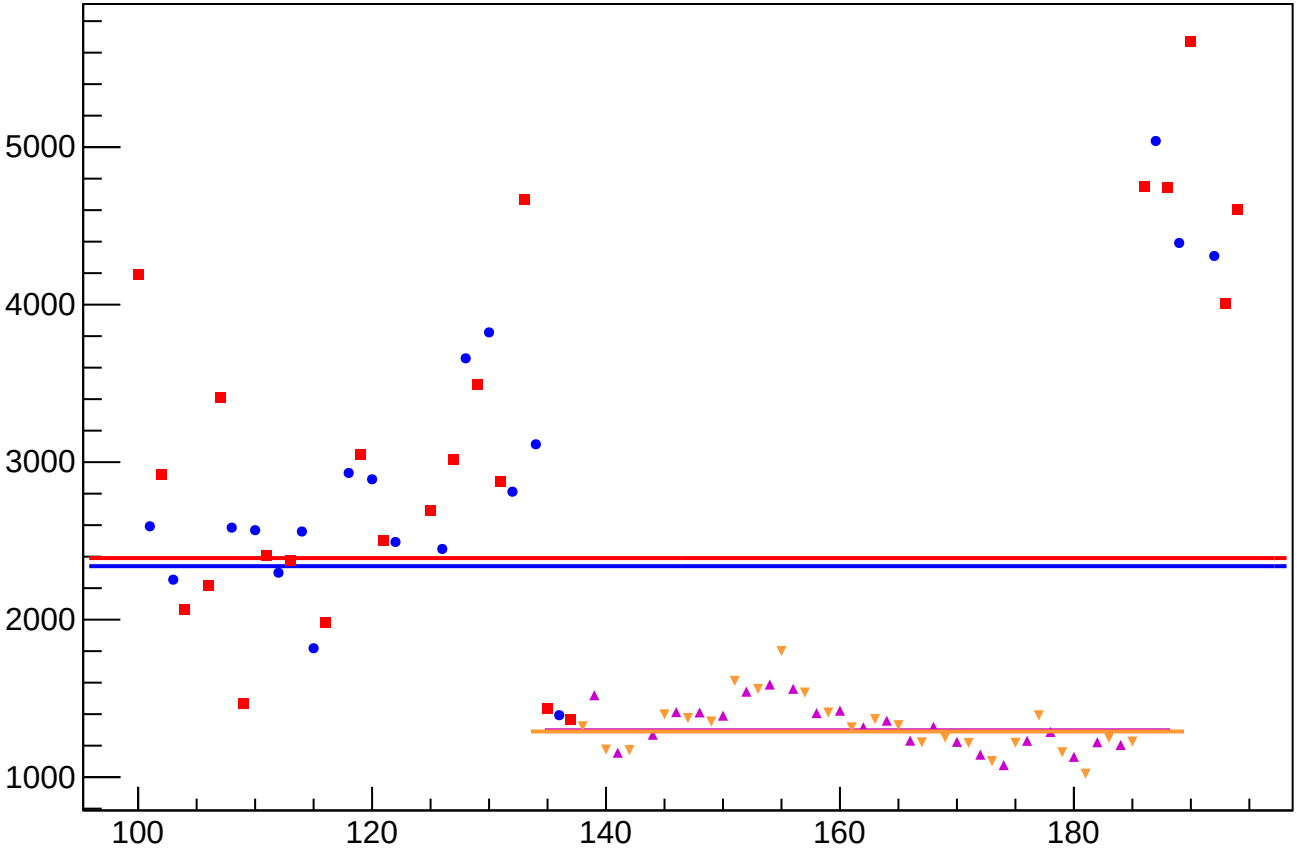
Right: 13.416+/-578.530 χ^2/NDF: 44.5/41

In: 135.580+/-286.826 χ^2/NDF:48.2/41

Out: -810.390+/-283.017 χ^2/NDF:91.6/46

All: -343.727+/-201.456 χ^2/NDF: 145.2/88

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 2339.488+/-0.591 χ^2/NDF: 2037289.9/18

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2390.845+/-0.567 χ^2/NDF: 3190861.1/22

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

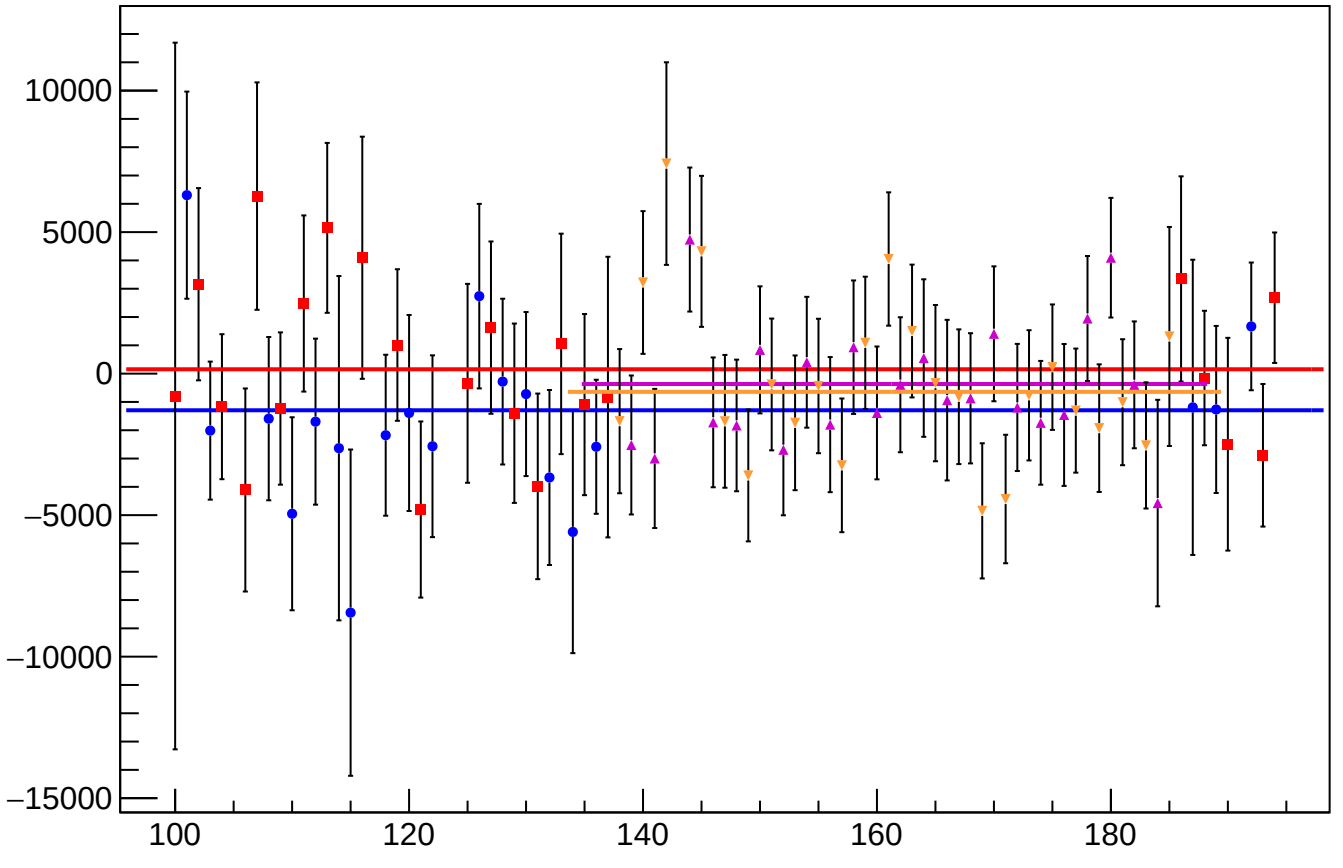
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2366.229+/-0.409 χ^2/NDF: 5232084.5/41

In: 1420.227+/-0.203 χ^2/NDF:5214909.6/41

Out: 1427.210+/-0.200 χ^2/NDF:7059195.9/46

All: 1423.765+/-0.142 χ^2/NDF: 12274706.1/8



Right In: -1294.458+/-717.669 χ^2/NDF: 12.7/18

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 154.265+/-660.696 χ^2/NDF: 18.1/22

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

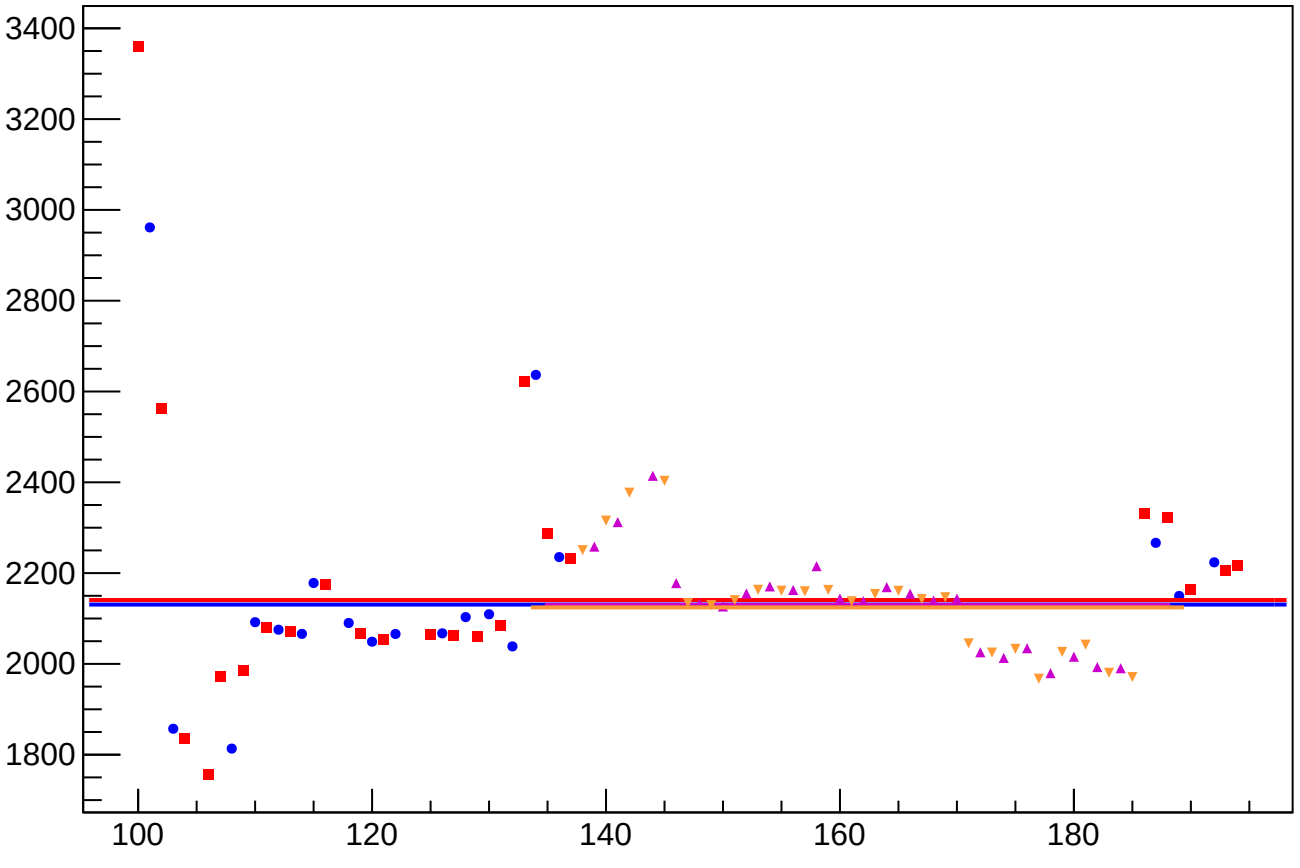
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -510.318+/-486.078 χ^2/NDF: 33.1/41

In: -668.116+/-409.086 χ^2/NDF:31.2/41

Out: -357.783+/-395.473 χ^2/NDF:46.2/46

All: -507.700+/-284.333 χ^2/NDF: 77.7/88



Right In: 2130.726+/-0.507 χ^2/NDF: 195575.6/18

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2140.704+/-0.467 χ^2/NDF: 176885.8/22

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

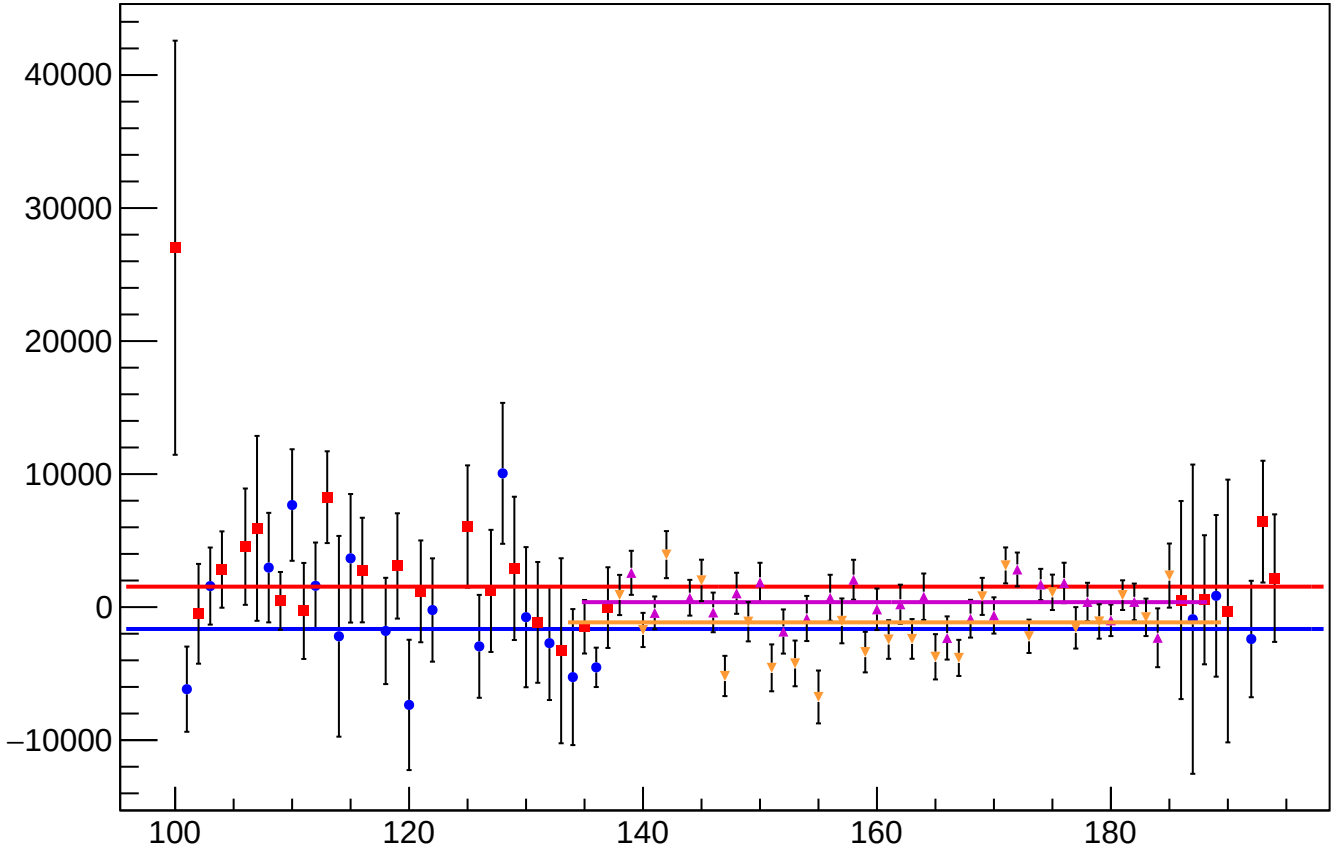
Right: 2136.126+/-0.344 χ^2/NDF: 372670.6/41

In: 2130.166+/-0.289 χ^2/NDF:280931.8/41

Out: 2130.265+/-0.280 χ^2/NDF:266847.7/46

All: 2130.217+/-0.201 χ^2/NDF: 547779.6/88

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1643.548+/-835.628 χ^2/NDF: 22.7/18

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1538.757+/-801.752 χ^2/NDF: 14.2/22

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

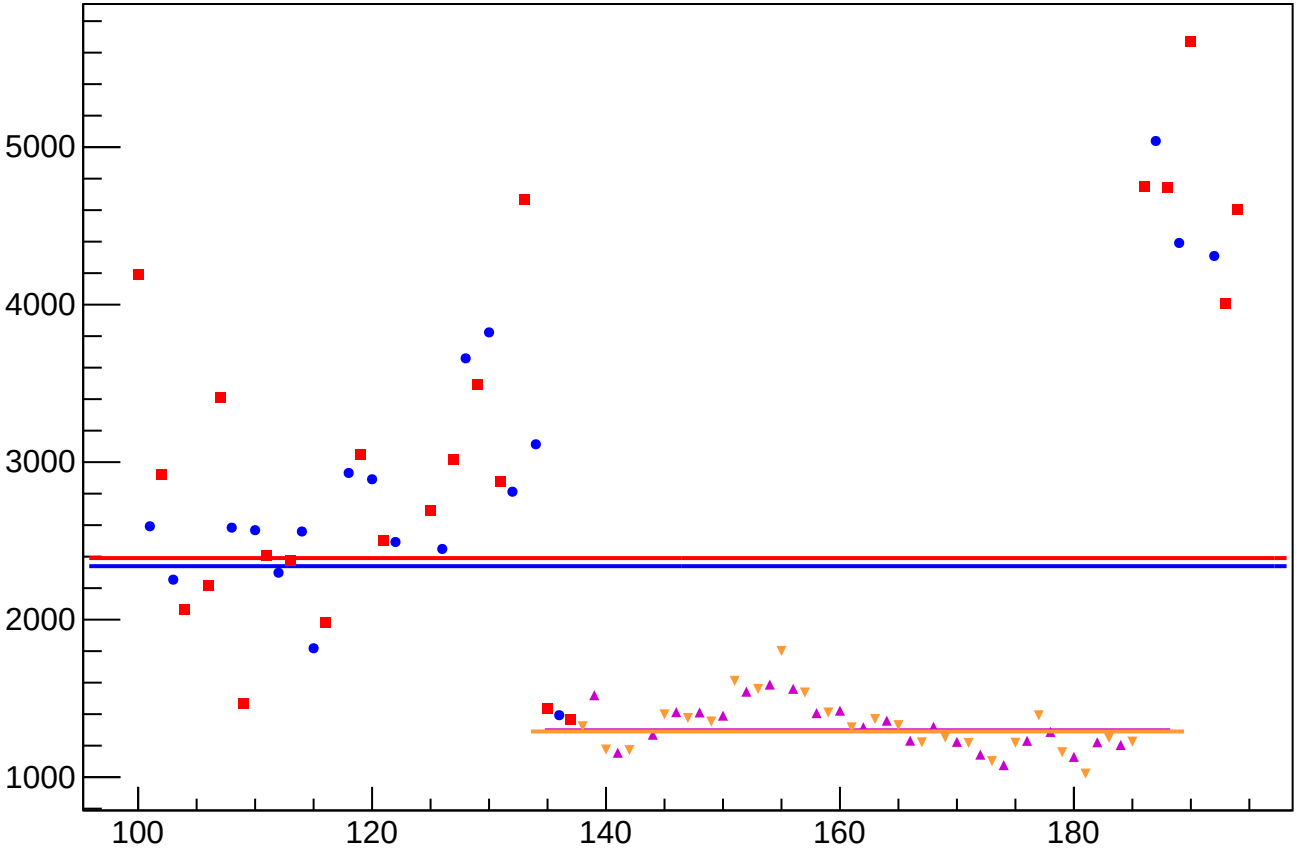
Right: 13.416+/-578.530 χ^2/NDF: 44.5/41

In: 135.580+/-286.826 χ^2/NDF:48.2/41

Out: -810.390+/-283.017 χ^2/NDF:91.6/46

All: -343.727+/-201.456 χ^2/NDF: 145.2/88

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2339.488+/-0.591 χ^2/NDF: 2037289.9/18

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2390.845+/-0.567 χ^2/NDF: 3190861.1/22

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

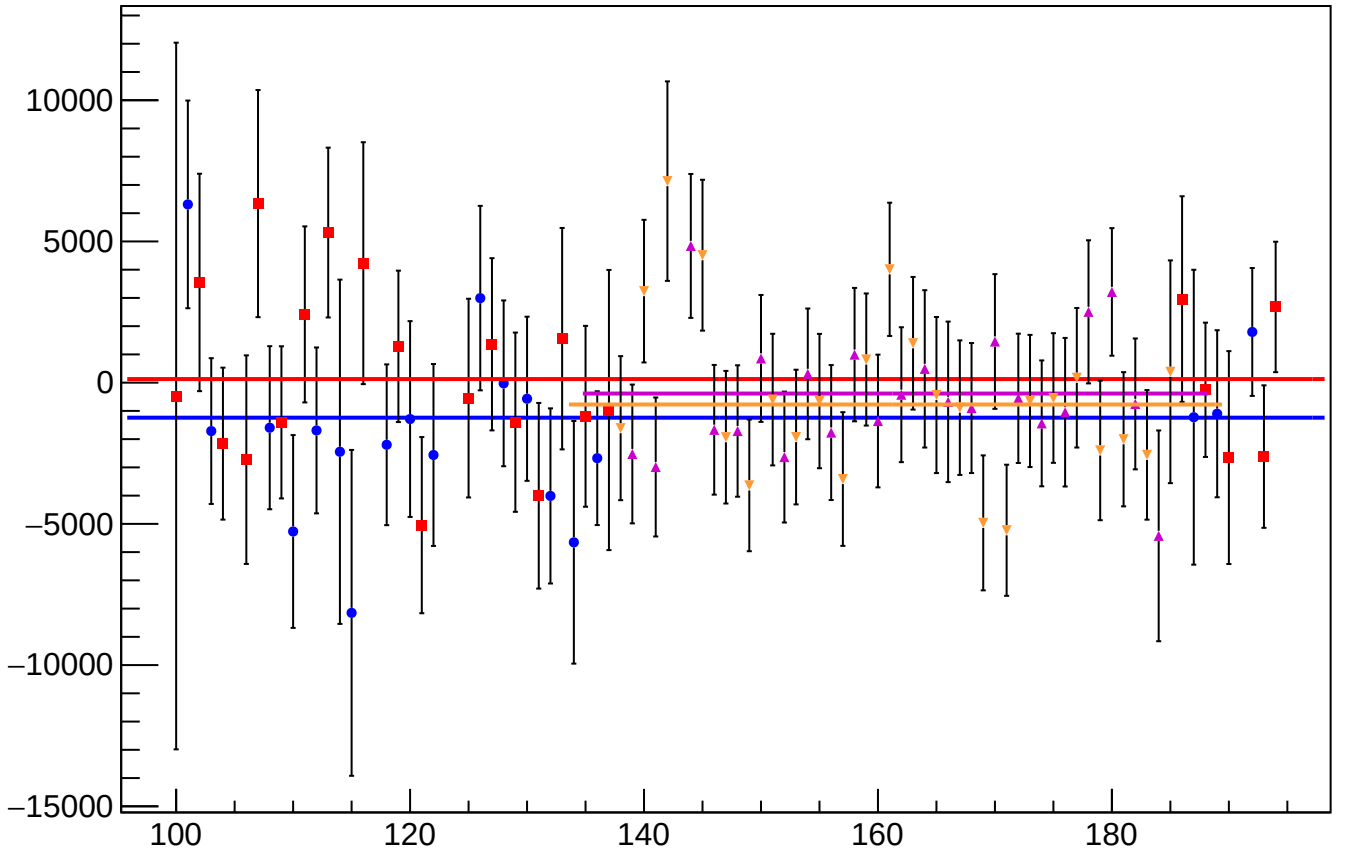
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2366.229+/-0.409 χ^2/NDF: 5232084.5/41

In: 1420.227+/-0.203 χ^2/NDF:5214909.6/41

Out: 1427.210+/-0.200 χ^2/NDF:7059195.9/46

All: 1423.765+/-0.142 χ^2/NDF: 12274706.1/8



Right In: -1240.118+/-722.340 χ^2/NDF: 13.4/18

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: 127.213+/-667.243 χ^2/NDF: 18.1/22

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

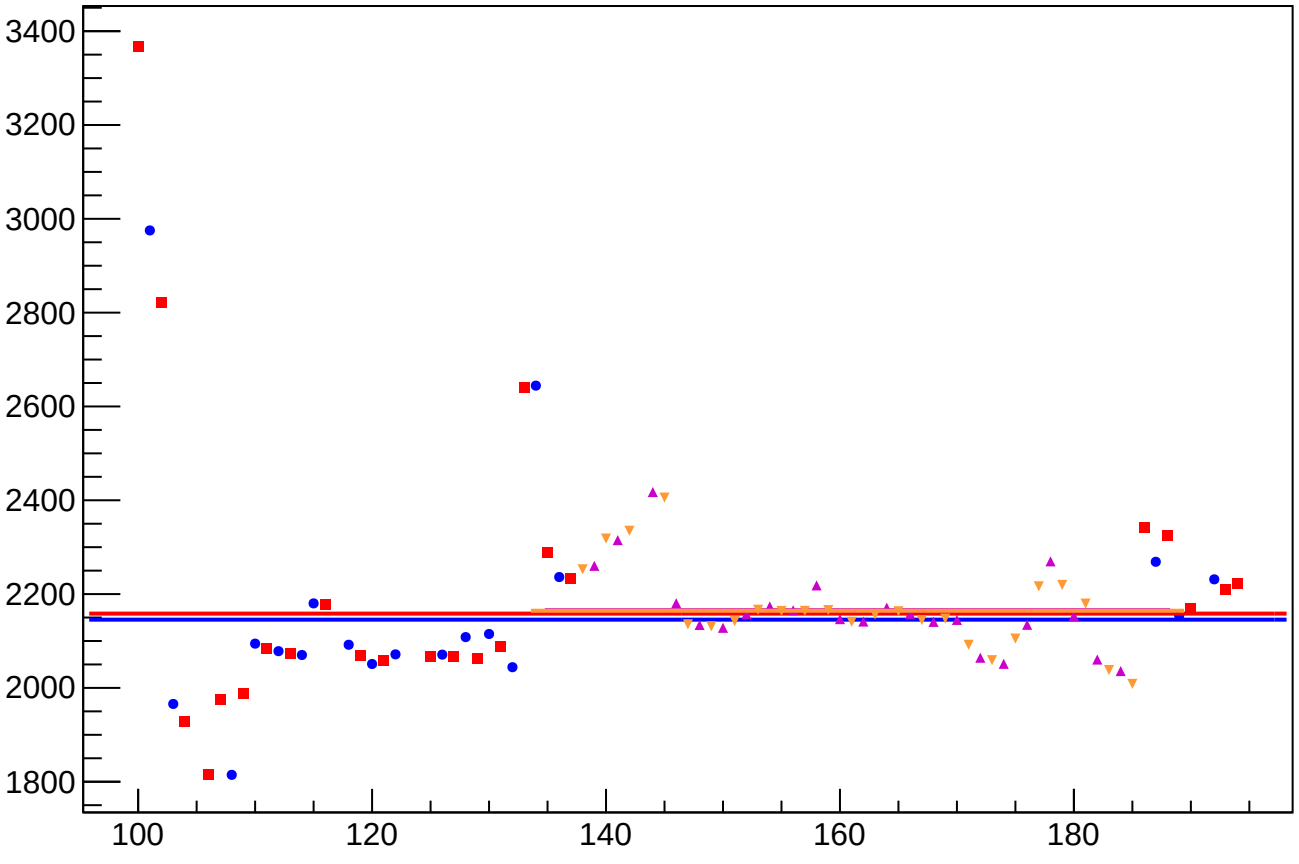
Left: -580.670+/-356.683 χ^2/NDF: 44.5/46

Right: -502.323+/-490.134 χ^2/NDF: 33.4/41

In: -666.703+/-414.462 χ^2/NDF:29.9/41

Out: -447.318+/-401.563 χ^2/NDF:47.9/46

All: -553.544+/-288.401 χ^2/NDF: 78.0/88



Right In: 2145.505+/-0.511 χ^2/NDF: 180593.0/18

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2158.371+/-0.472 χ^2/NDF: 186013.7/22

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

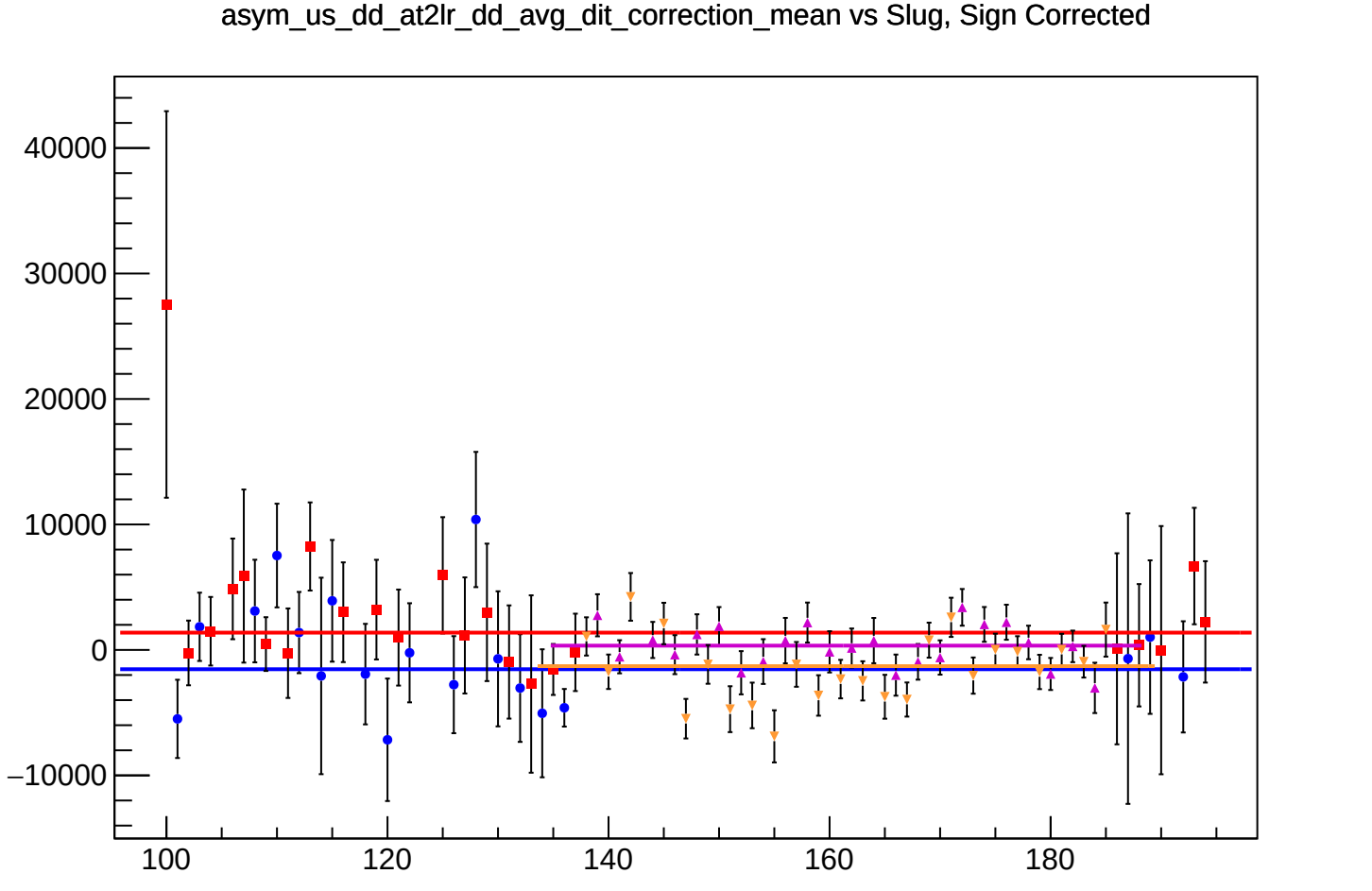
Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

Right: 2152.448+/-0.347 χ^2/NDF: 366949.1/41

In: 2159.013+/-0.293 χ^2/NDF:233760.2/41

Out: 2162.301+/-0.284 χ^2/NDF:236798.7/46

All: 2160.709+/-0.204 χ^2/NDF: 470623.8/88



Right In: -1538.745+/-833.922 χ^2/NDF: 22.8/18

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

Right Out: 1378.257+/-779.272 χ^2/NDF: 14.5/22

Left In: 341.259+/-315.566 χ^2/NDF:24.8/22

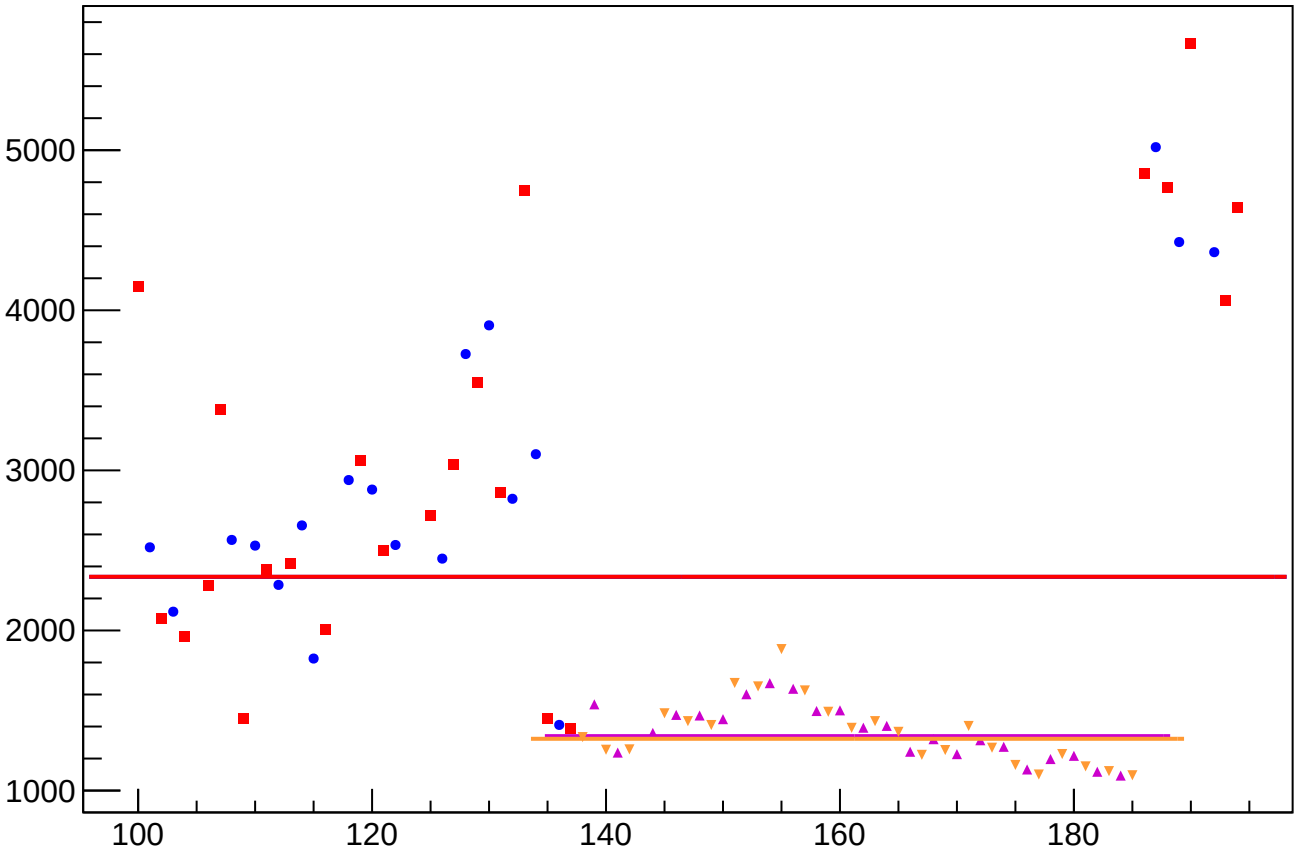
Left: -489.137+/-221.370 χ^2/NDF: 97.1/46

Right: 18.462+/-569.369 χ^2/NDF: 43.9/41

In: 105.771+/-295.141 χ^2/NDF:52.0/41

Out: -927.382+/-288.544 χ^2/NDF:83.4/46

All: -422.482+/-206.324 χ^2/NDF: 141.6/88



Right In: 2334.844+/-0.590 χ^2/NDF: 2030713.6/18

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

Right Out: 2335.487+/-0.551 χ^2/NDF: 3222930.9/22

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

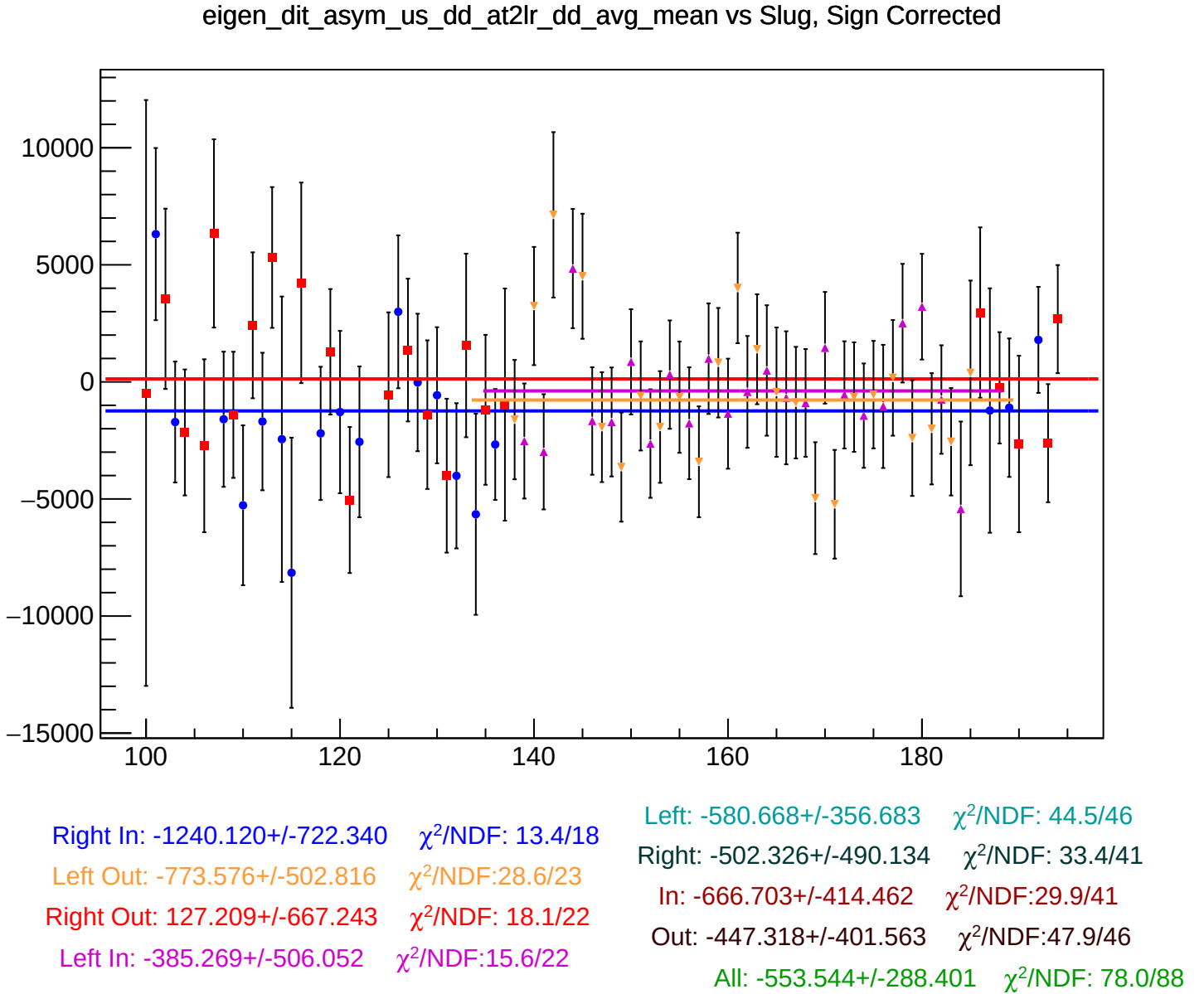
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

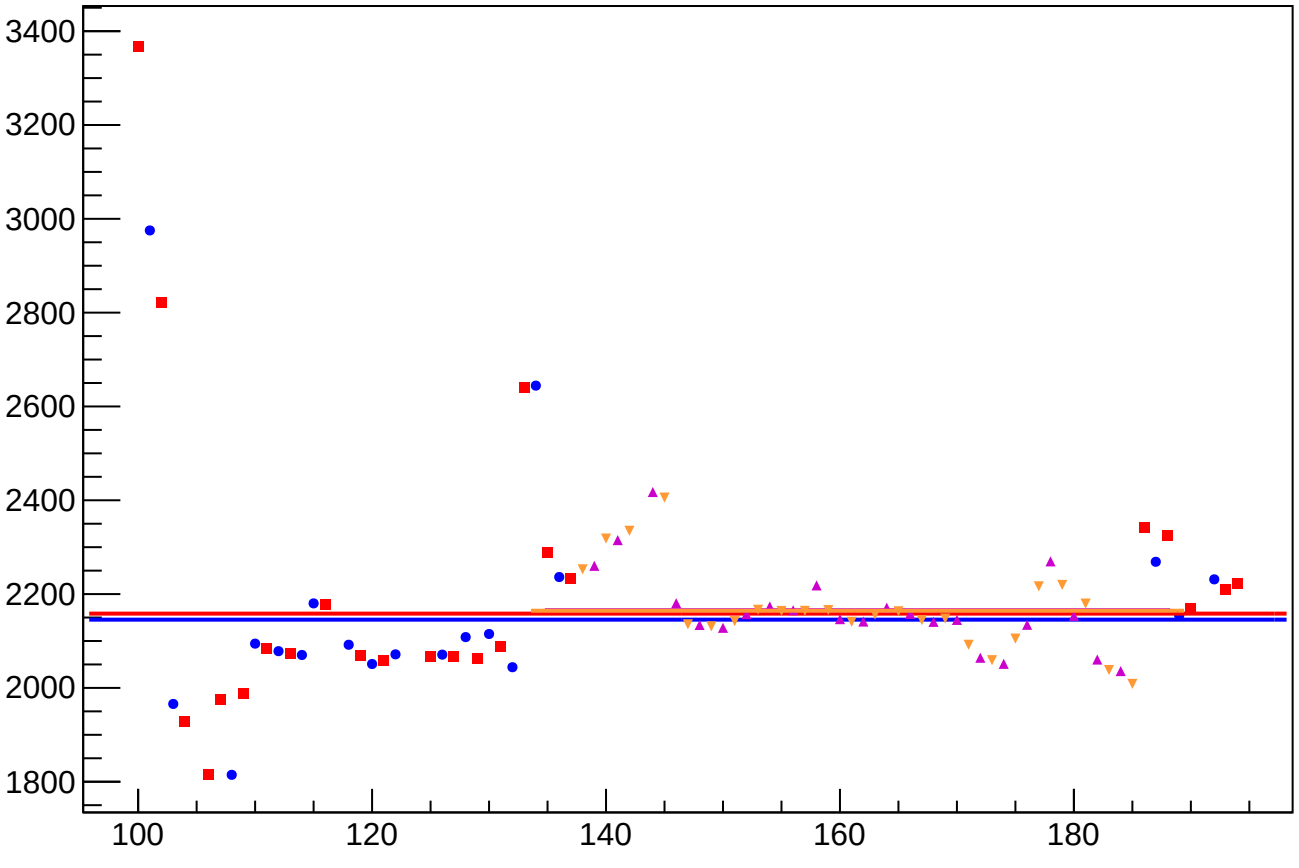
Right: 2335.187+/-0.403 χ^2/NDF: 5253645.1/41

In: 1464.687+/-0.209 χ^2/NDF:5014382.2/41

Out: 1462.162+/-0.204 χ^2/NDF:6797810.1/46

All: 1463.396+/-0.146 χ^2/NDF: 11812267.2/8


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
Right In: -1240.120+/-722.340 χ²/NDF: 13.4/18
Left Out: -773.576+/-502.816 χ²/NDF:28.6/23
Right Out: 127.209+/-667.243 χ²/NDF: 18.1/22
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.668+/-356.683 χ²/NDF: 44.5/46
Right: -502.326+/-490.134 χ²/NDF: 33.4/41
In: -666.703+/-414.462 χ²/NDF:29.9/41
Out: -447.318+/-401.563 χ²/NDF:47.9/46
All: -553.544+/-288.401 χ²/NDF: 78.0/88



Right In: 2145.505+/-0.511 χ^2/NDF: 180593.0/18

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2158.371+/-0.472 χ^2/NDF: 186013.6/22

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

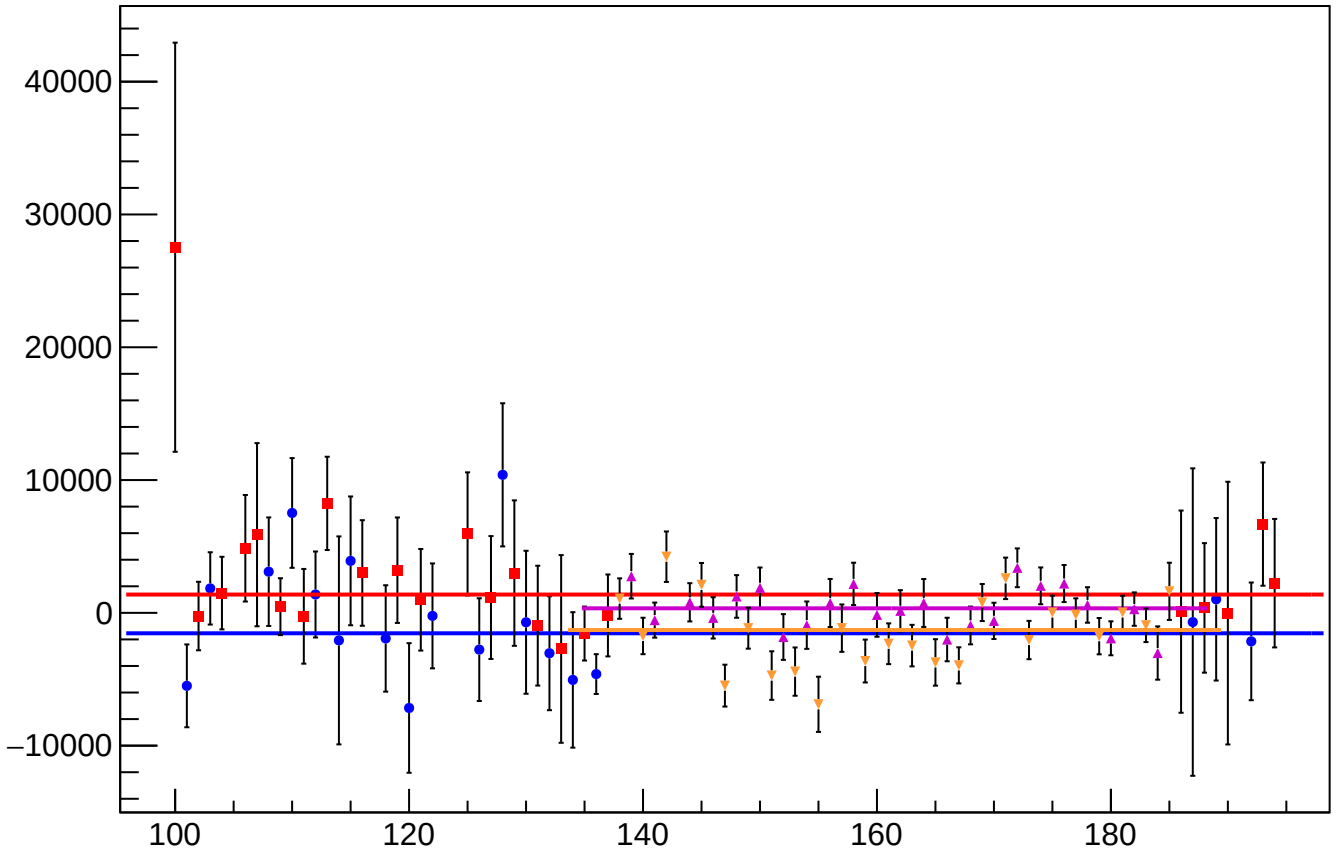
Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

Right: 2152.447+/-0.347 χ^2/NDF: 366949.0/41

In: 2159.013+/-0.293 χ^2/NDF:233760.1/41

Out: 2162.300+/-0.284 χ^2/NDF:236798.7/46

All: 2160.709+/-0.204 χ^2/NDF: 470623.7/88



Right In: -1538.732+/-833.924 χ^2/NDF: 22.8/18

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

Right Out: 1378.273+/-779.274 χ^2/NDF: 14.5/22

Left In: 341.256+/-315.566 χ^2/NDF:24.8/22

Left: -489.138+/-221.370 χ^2/NDF: 97.1/46

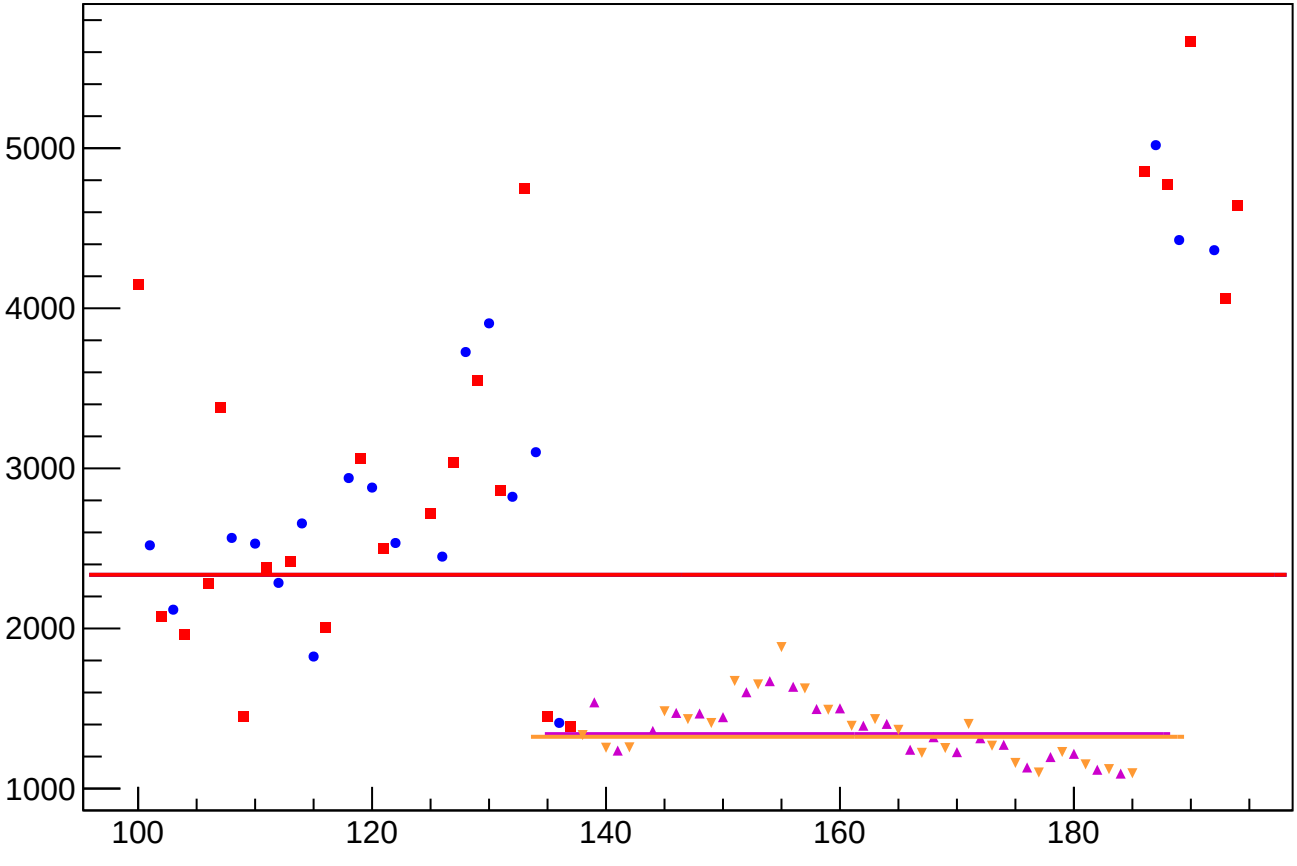
Right: 18.476+/-569.371 χ^2/NDF: 43.9/41

In: 105.772+/-295.141 χ^2/NDF:52.0/41

Out: -927.382+/-288.544 χ^2/NDF:83.4/46

All: -422.481+/-206.324 χ^2/NDF: 141.6/88

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2334.856+/-0.590 χ^2/NDF: 2030640.9/18

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2335.500+/-0.551 χ^2/NDF: 3222859.9/22

Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

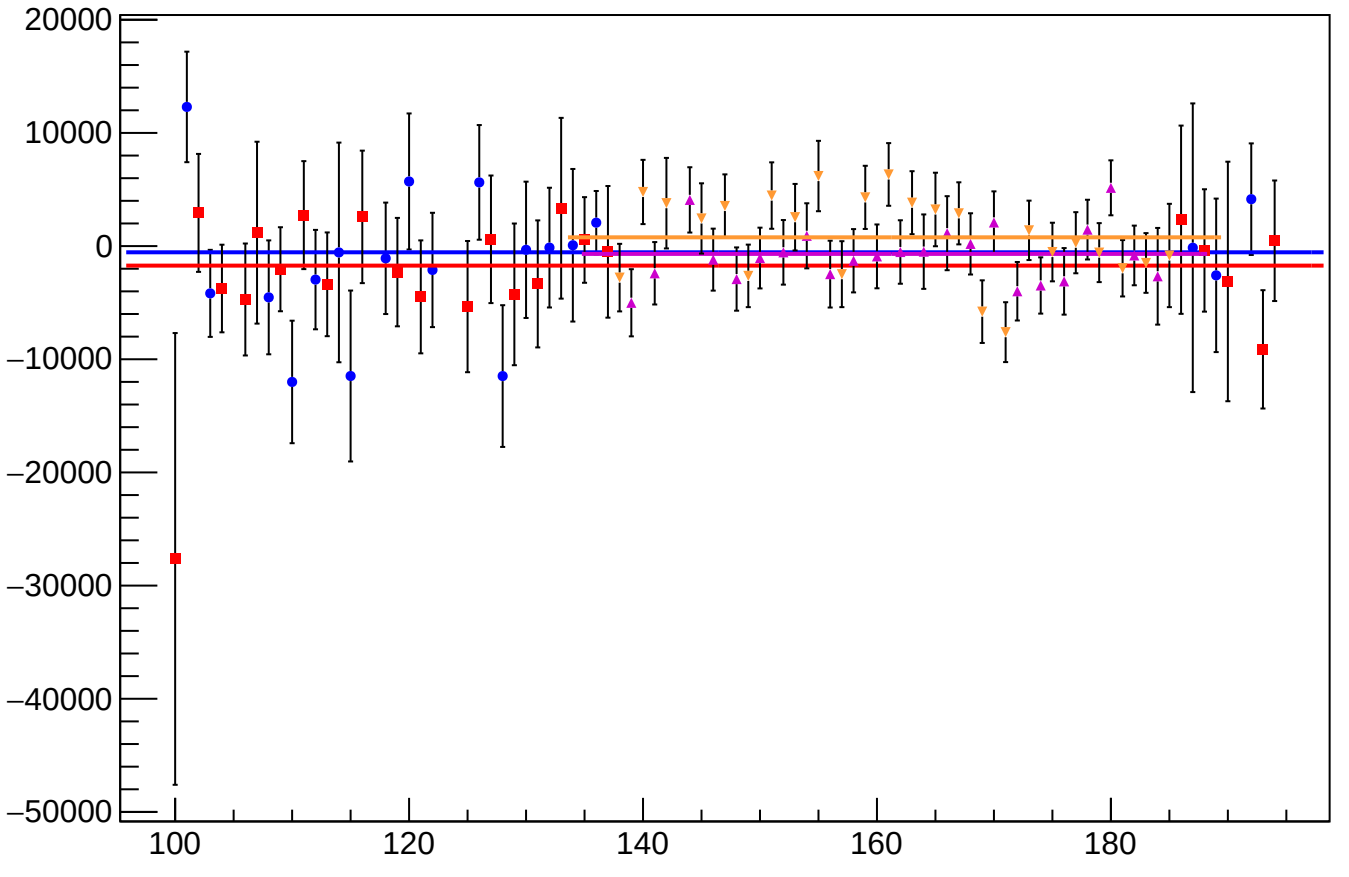
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2335.200+/-0.403 χ^2/NDF: 5253501.5/41

In: 1464.686+/-0.209 χ^2/NDF:5014375.0/41

Out: 1462.162+/-0.204 χ^2/NDF:6797794.4/46

All: 1463.396+/-0.146 χ^2/NDF: 11812244.2/8



Right In: -548.048+/-1180.457 χ^2/NDF: 22.9/18

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: -1725.167+/-1116.334 χ^2/NDF: 9.2/22

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

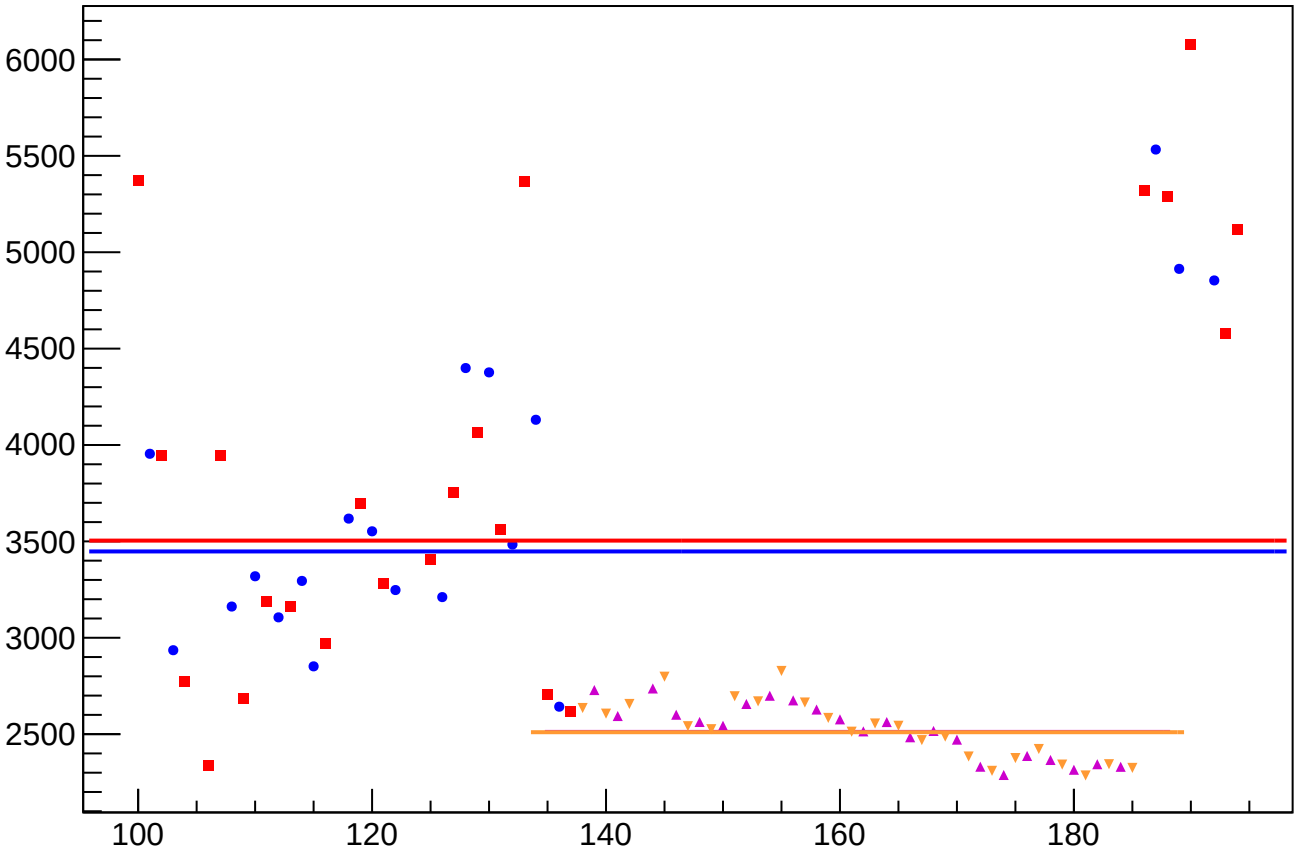
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -1169.445+/-811.089 χ^2/NDF: 32.7/41

In: -661.809+/-525.912 χ^2/NDF:41.3/41

Out: 238.064+/-517.254 χ^2/NDF:52.5/46

All: -204.404+/-368.777 χ^2/NDF: 95.3/88



Right In: 3447.827+/-0.835 χ^2/NDF: 689648.2/18

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

Right Out: 3504.045+/-0.789 χ^2/NDF: 1325886.3/22

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

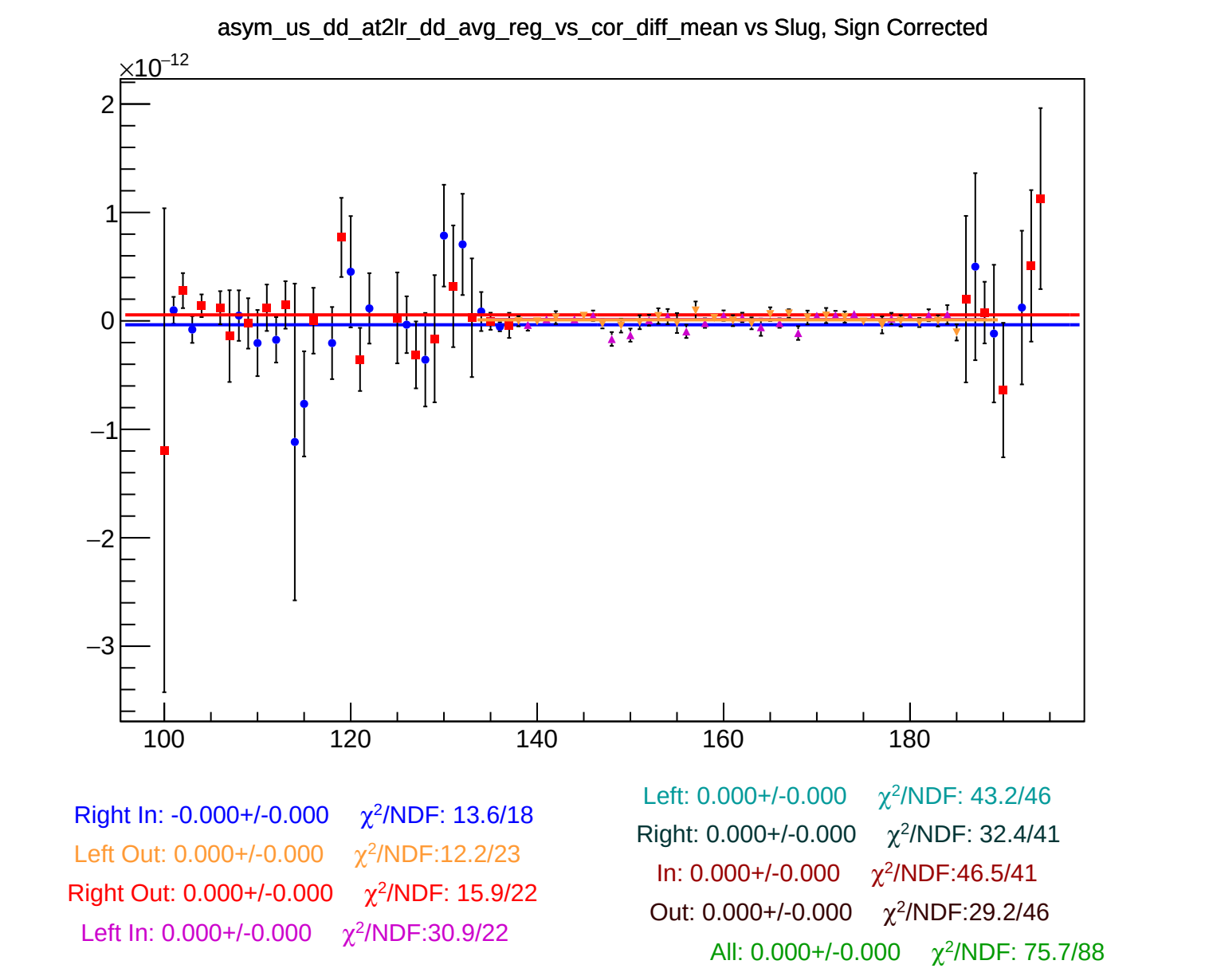
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

Right: 3477.505+/-0.574 χ^2/NDF: 2017929.2/41

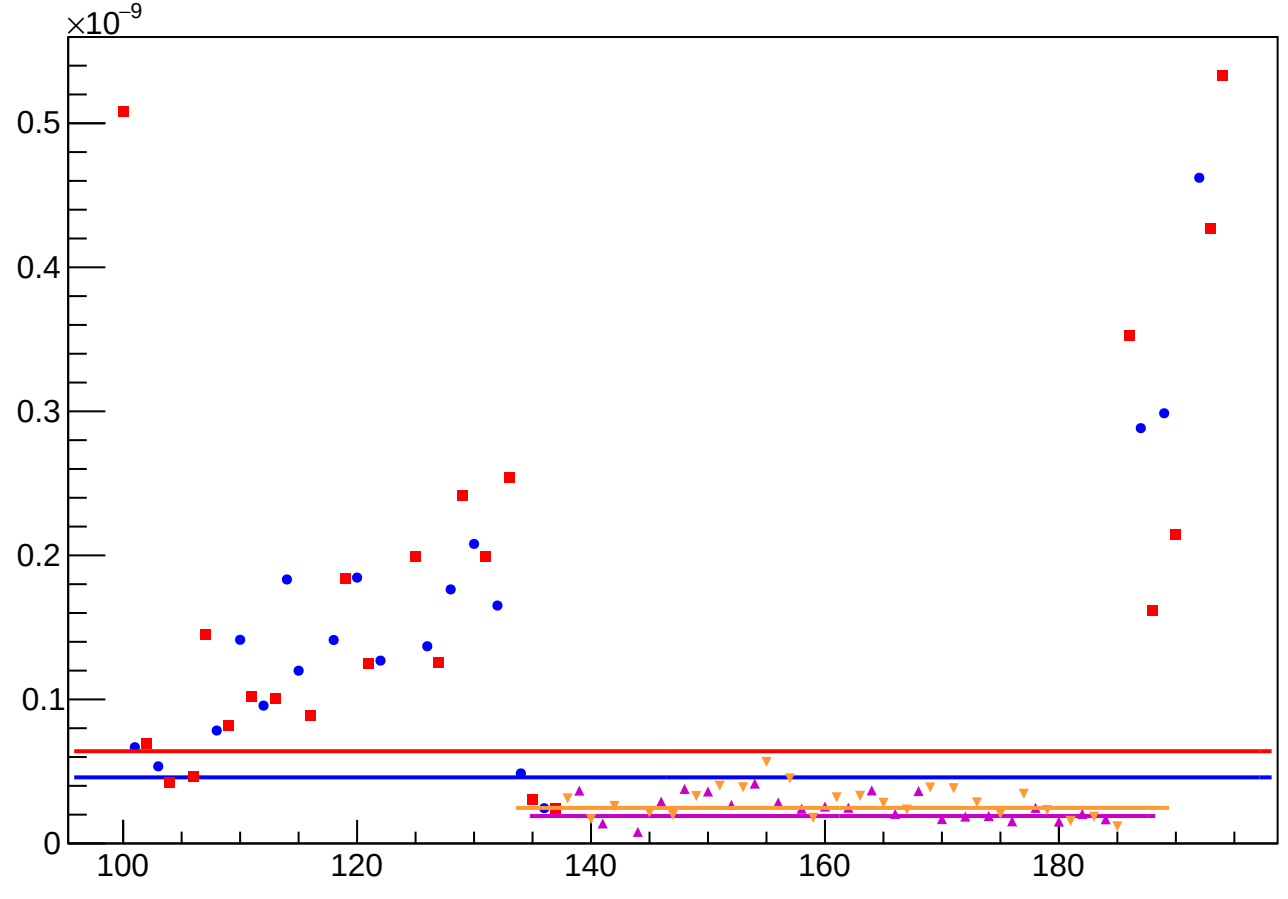
In: 2697.436+/-0.372 χ^2/NDF:1811442.5/41

Out: 2723.473+/-0.366 χ^2/NDF:2699725.6/46

All: 2710.671+/-0.261 χ^2/NDF: 4513659.7/88


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 13.6/18
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/22
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: 32.4/41
In: 0.000+/-0.000 χ²/NDF:46.5/41
Out: 0.000+/-0.000 χ²/NDF:29.2/46
All: 0.000+/-0.000 χ²/NDF: 75.7/88

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3400567.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3940512.2/22

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

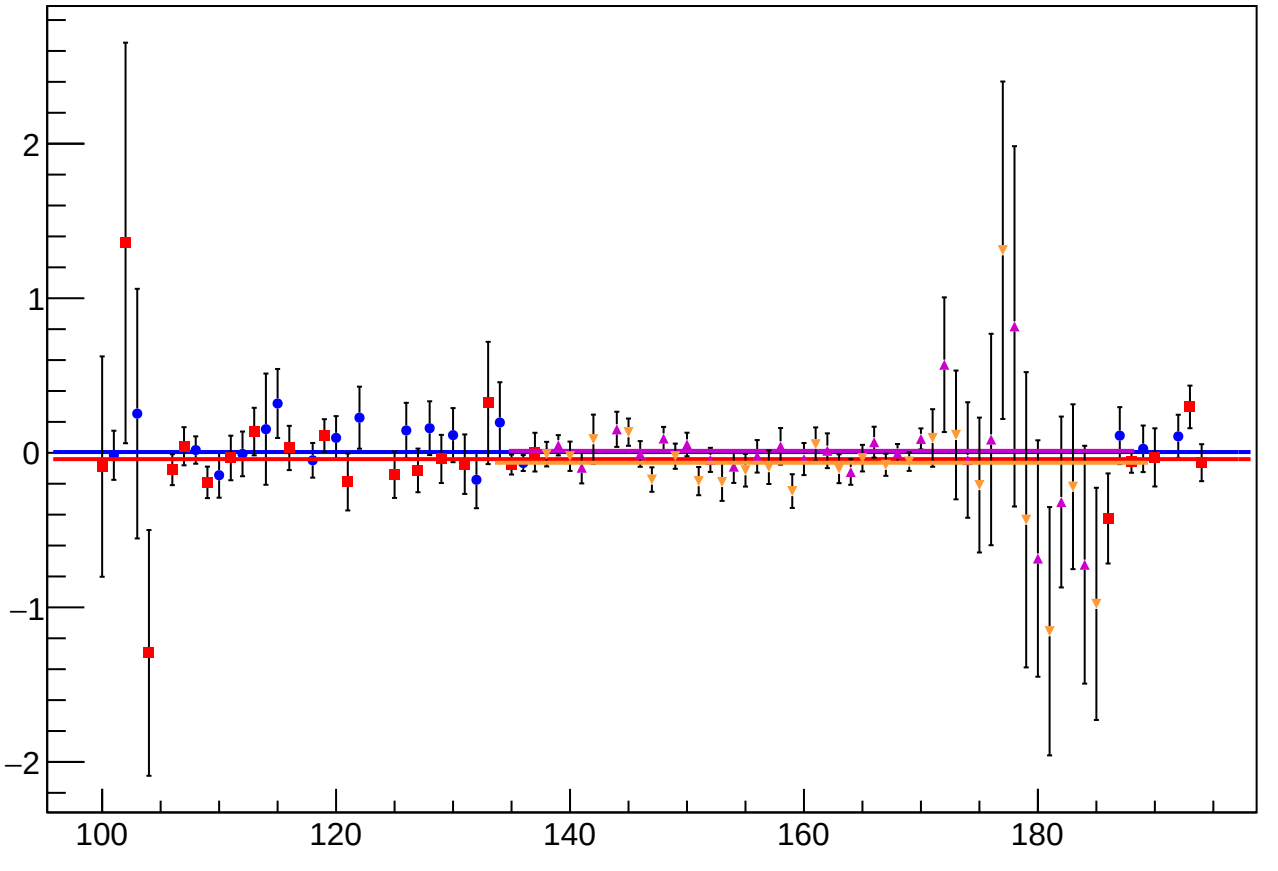
Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

Right: 0.000+/-0.000 χ^2/NDF: 7561642.2/41

In: 0.000+/-0.000 χ^2/NDF:6747938.5/41

Out: 0.000+/-0.000 χ^2/NDF:6974810.3/46

All: 0.000+/-0.000 χ^2/NDF: 14183230.7/88



Right In: 0.005+/-0.030 χ^2/NDF: 11.3/18

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.041+/-0.027 χ^2/NDF: 20.9/22

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

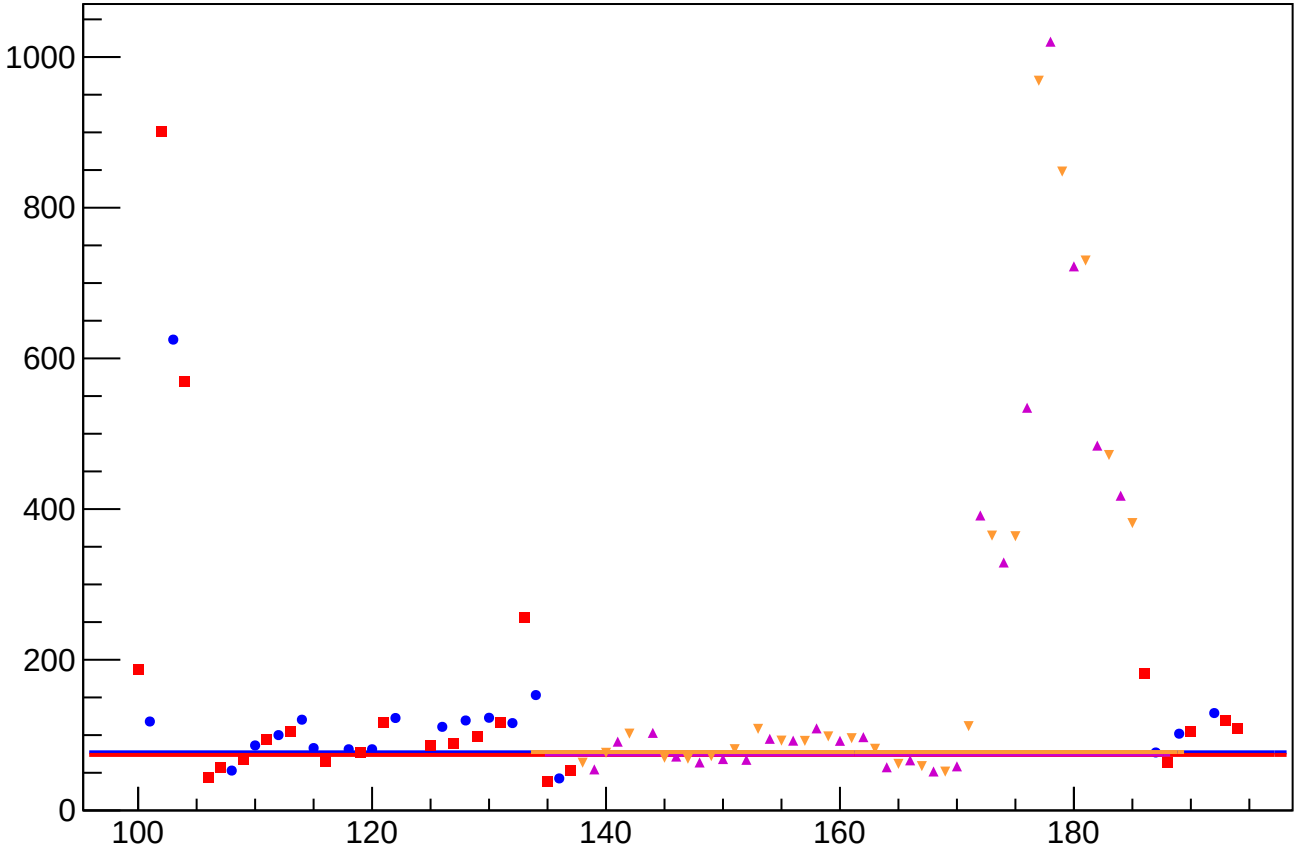
Right: -0.020+/-0.020 χ^2/NDF: 33.5/41

In: 0.010+/-0.017 χ^2/NDF:26.4/41

Out: -0.055+/-0.017 χ^2/NDF:43.7/46

All: -0.023+/-0.012 χ^2/NDF: 77.2/88

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 77.140+/-0.021 χ^2/NDF: 3216938.9/18

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 73.728+/-0.019 χ^2/NDF: 4144216.3/22

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

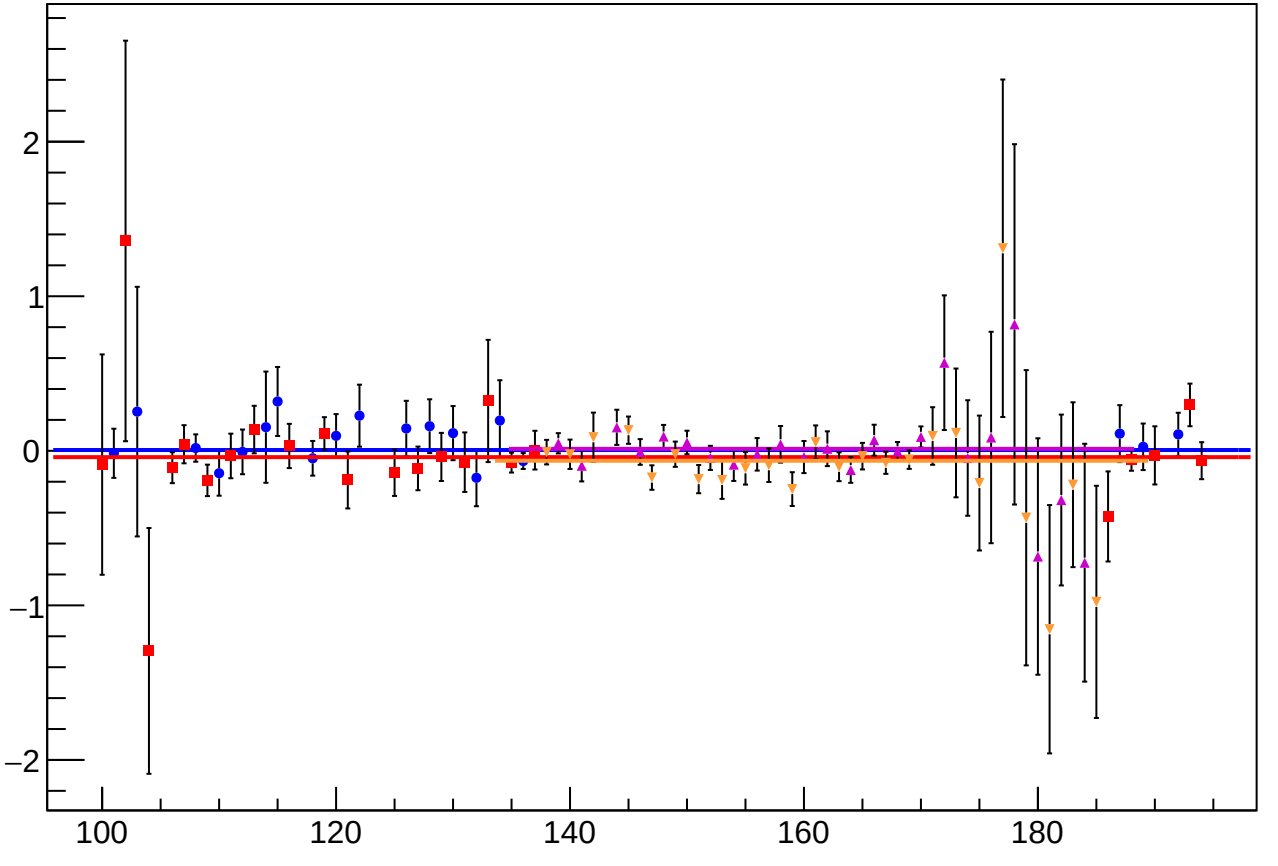
Right: 75.246+/-0.014 χ^2/NDF: 7375212.2/41

In: 75.172+/-0.012 χ^2/NDF:11743541.4/41

Out: 76.016+/-0.012 χ^2/NDF:12499037.4/46

All: 75.599+/-0.009 χ^2/NDF: 24244979.3/88

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.030 χ^2/NDF: 11.3/18

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.041+/-0.027 χ^2/NDF: 20.9/22

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

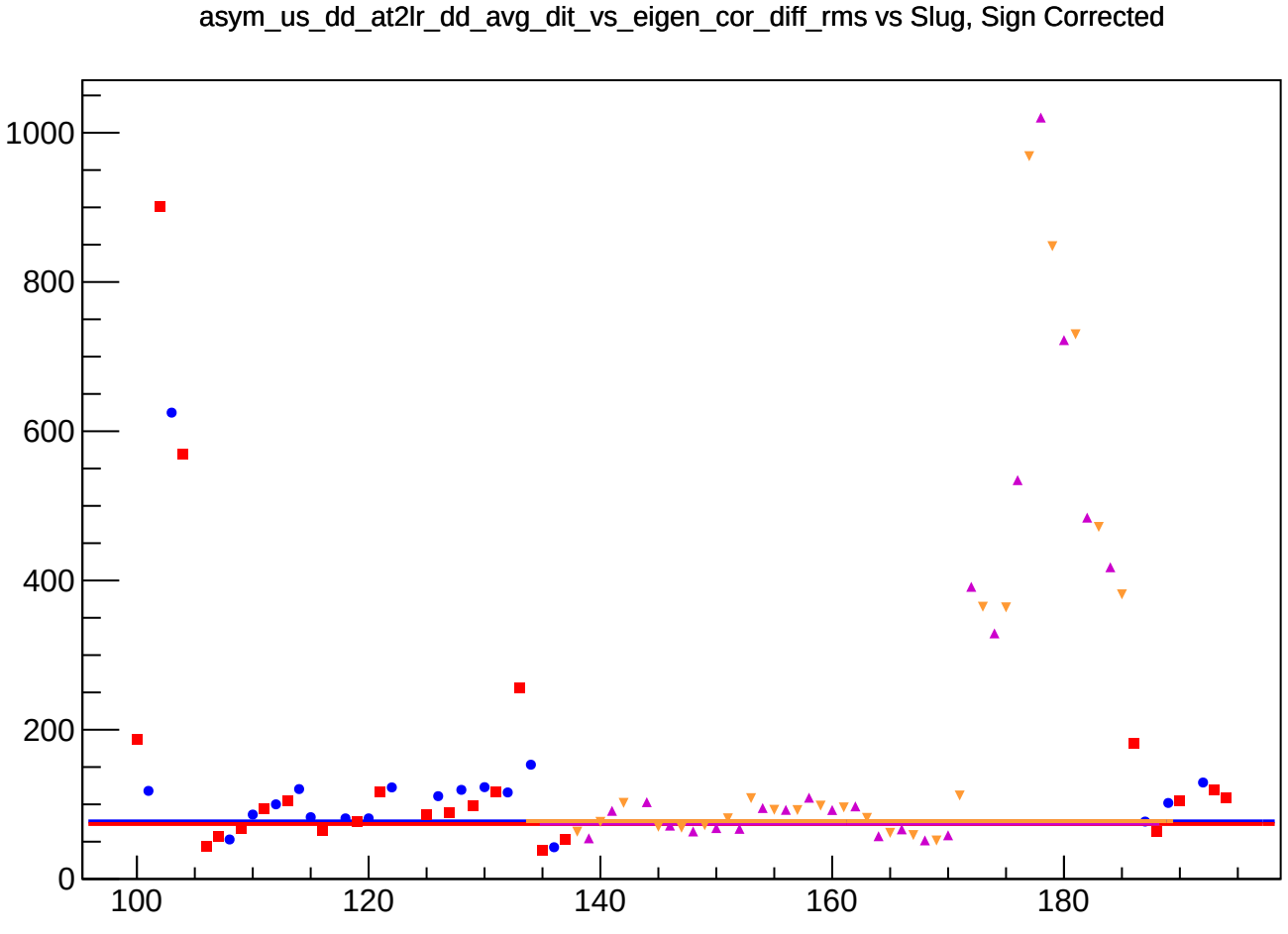
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.020+/-0.020 χ^2/NDF: 33.5/41

In: 0.010+/-0.017 χ^2/NDF:26.4/41

Out: -0.055+/-0.017 χ^2/NDF:43.7/46

All: -0.023+/-0.012 χ^2/NDF: 77.2/88



Right In: 77.140+/-0.021 χ^2/NDF: 3216938.9/18

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 73.728+/-0.019 χ^2/NDF: 4144216.3/22

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

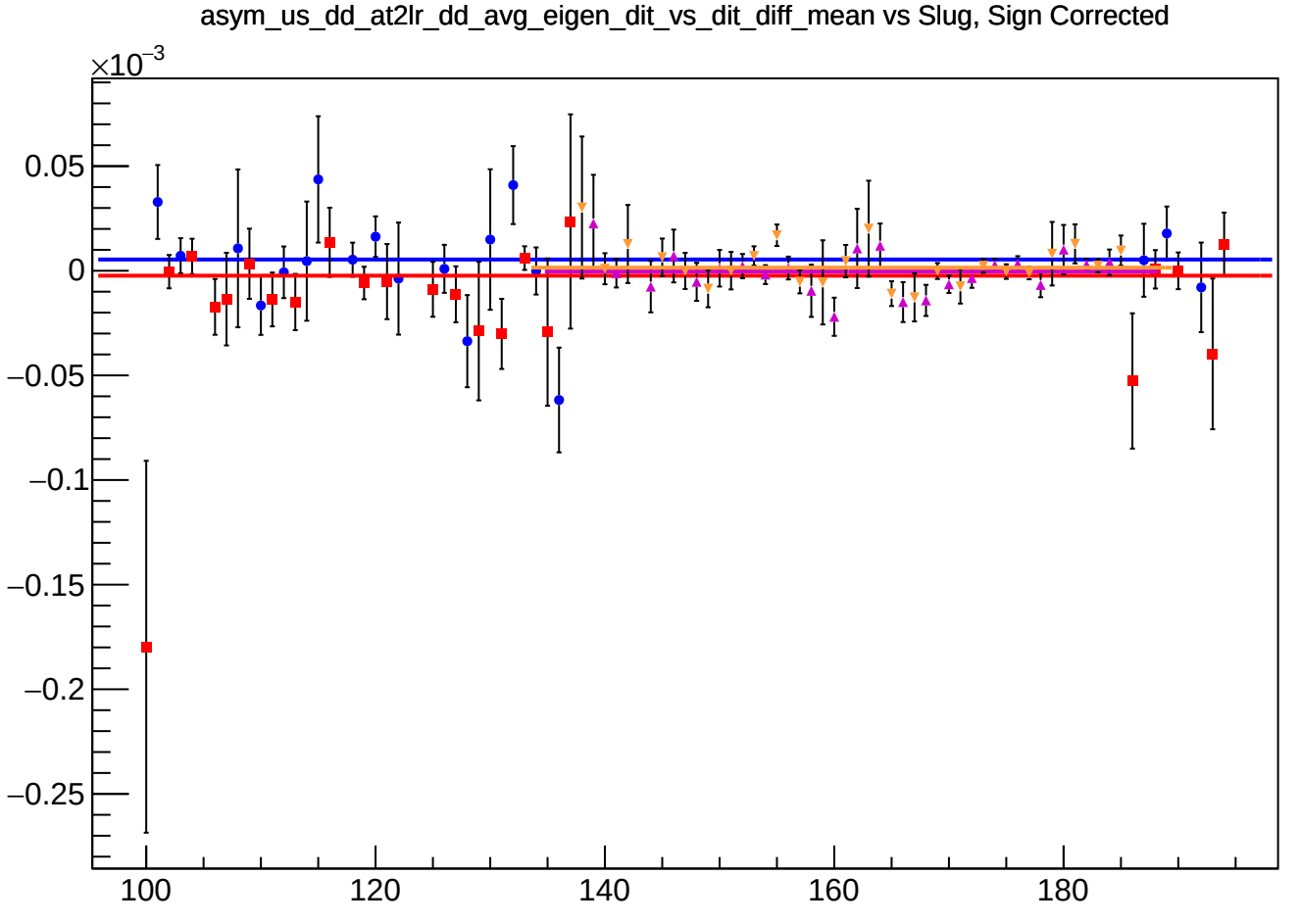
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 75.246+/-0.014 χ^2/NDF: 7375212.2/41

In: 75.172+/-0.012 χ^2/NDF:11743541.4/41

Out: 76.016+/-0.012 χ^2/NDF:12499037.4/46

All: 75.599+/-0.009 χ^2/NDF: 24244979.3/88



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/22

Left In: -0.000+/-0.000 χ^2/NDF:24.6/22

Left: 0.000+/-0.000 χ^2/NDF: 52.9/46

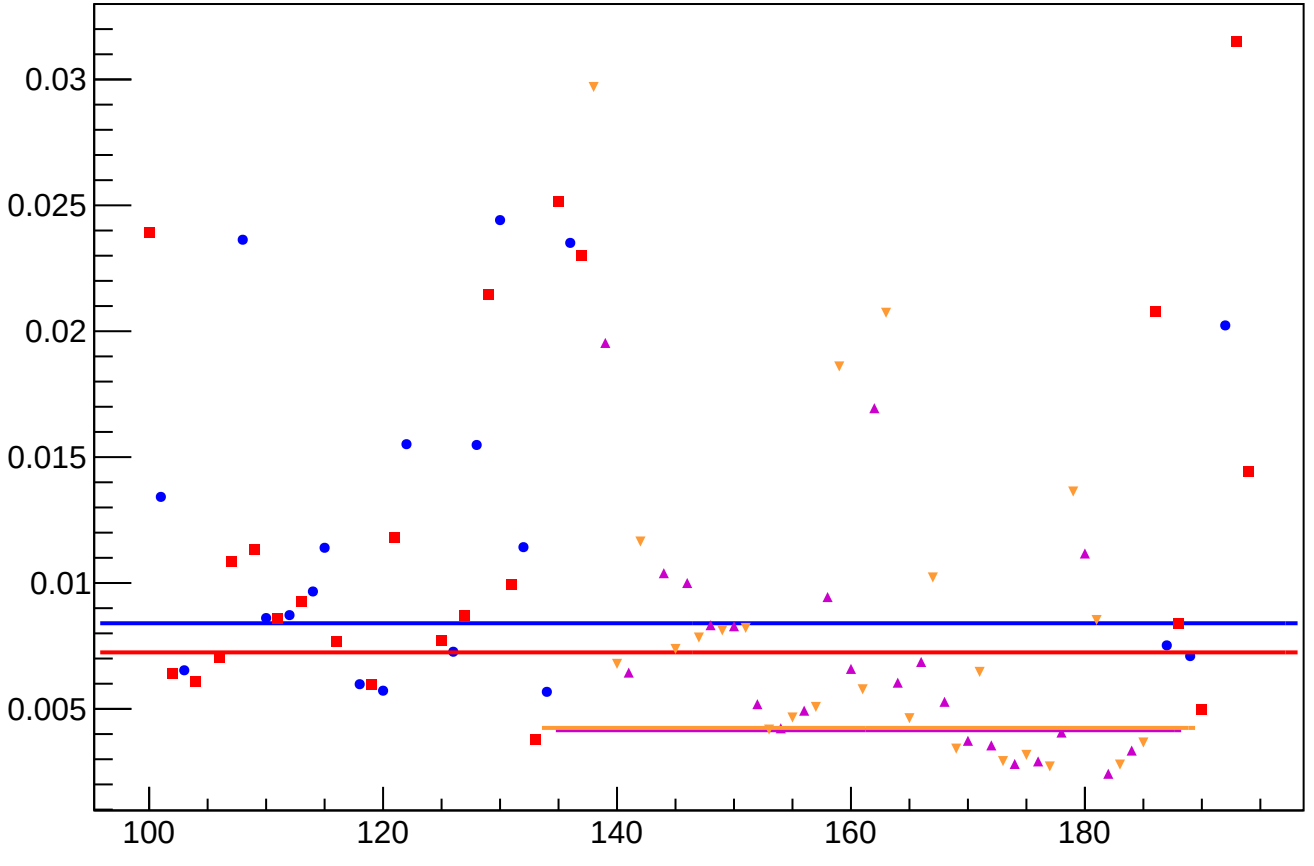
Right: 0.000+/-0.000 χ^2/NDF: 48.9/41

In: 0.000+/-0.000 χ^2/NDF:51.3/41

Out: 0.000+/-0.000 χ^2/NDF:50.5/46

All: 0.000+/-0.000 χ^2/NDF: 101.8/88

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: 3298054.2/18

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.007+/-0.000 χ^2/NDF: 4340591.5/22

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

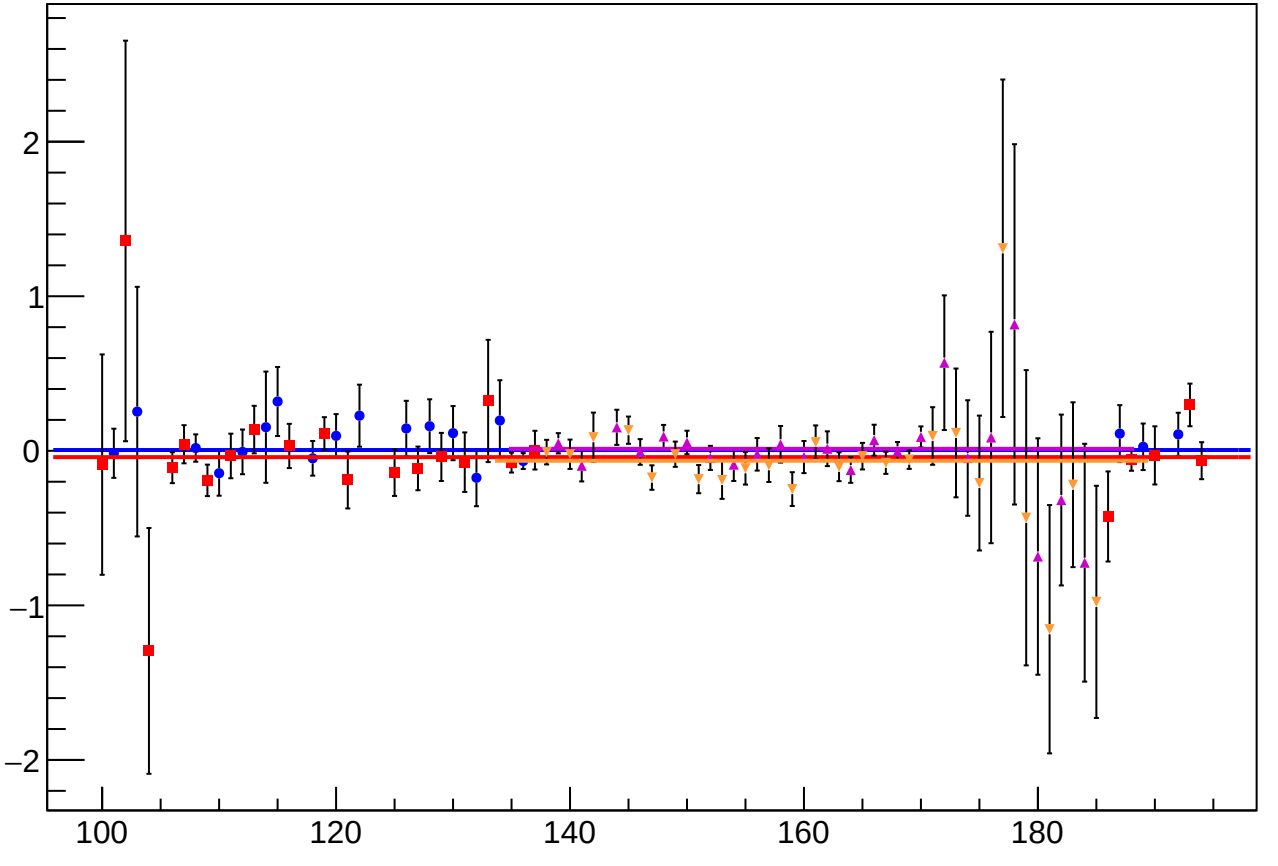
Right: 0.008+/-0.000 χ^2/NDF: 7794914.5/41

In: 0.005+/-0.000 χ^2/NDF:13167968.3/41

Out: 0.005+/-0.000 χ^2/NDF:15306317.7/46

All: 0.005+/-0.000 χ^2/NDF: 28485442.8/88

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.030 χ^2/NDF: 11.3/18

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.041+/-0.027 χ^2/NDF: 20.9/22

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

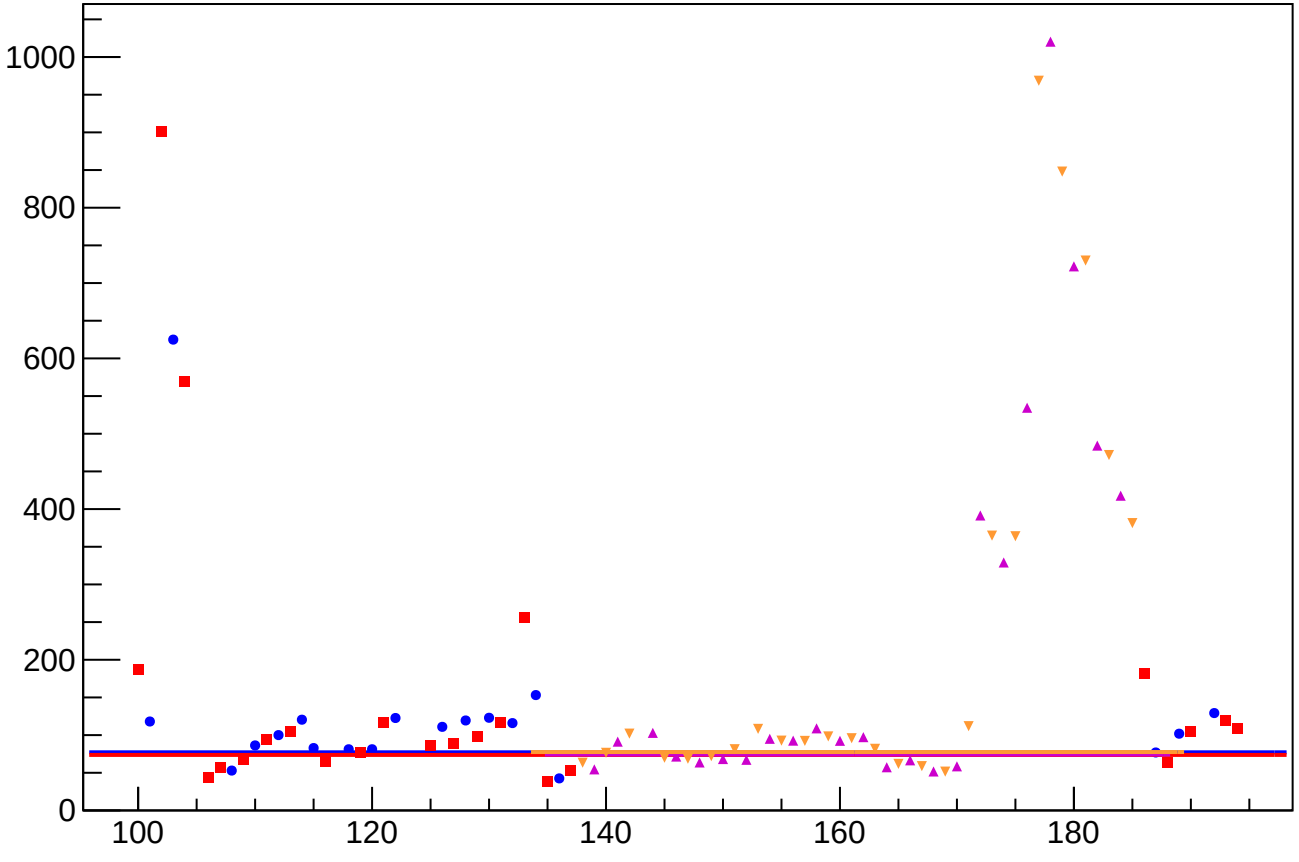
Right: -0.020+/-0.020 χ^2/NDF: 33.5/41

In: 0.010+/-0.017 χ^2/NDF:26.4/41

Out: -0.055+/-0.017 χ^2/NDF:43.7/46

All: -0.023+/-0.012 χ^2/NDF: 77.2/88

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 77.164+/-0.021 χ^2/NDF: 3214187.0/18

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 73.720+/-0.019 χ^2/NDF: 4145332.0/22

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

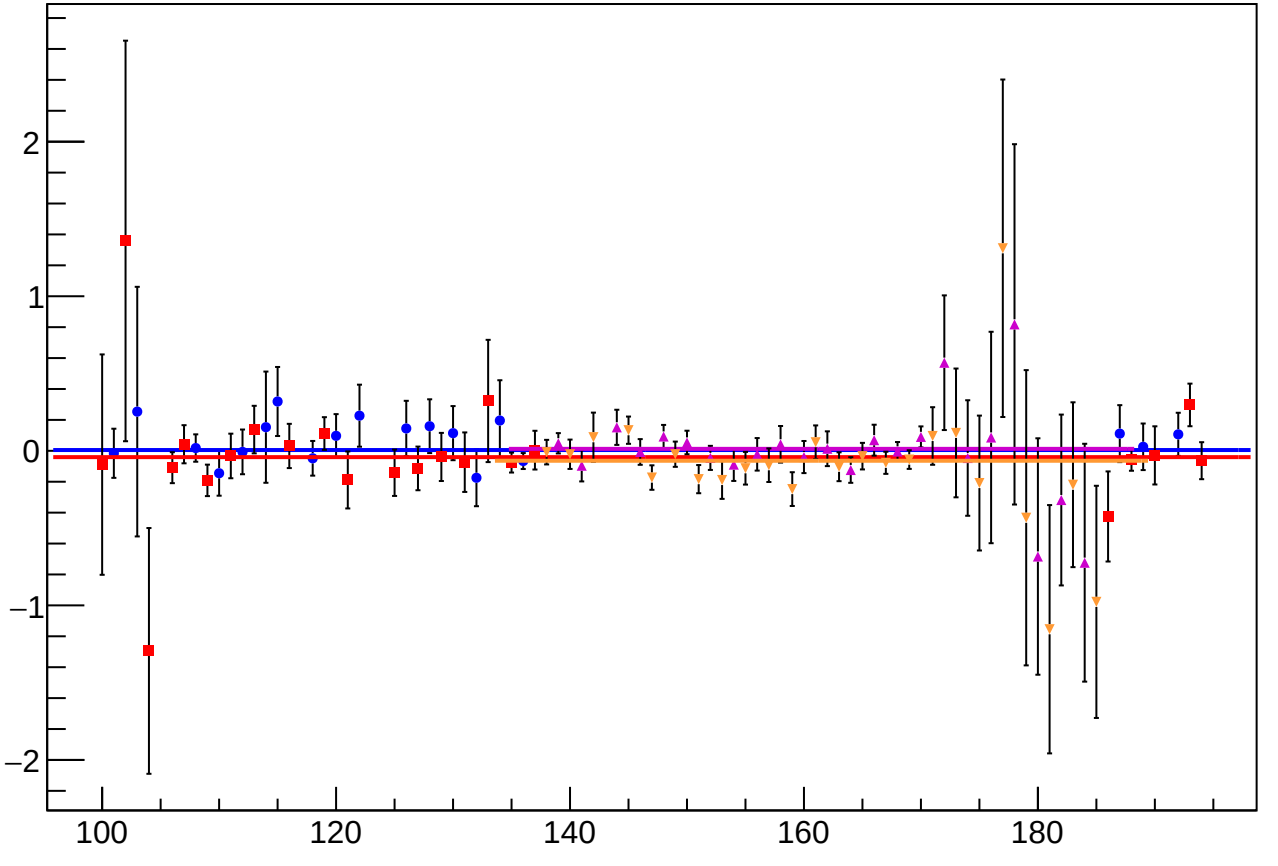
Right: 75.252+/-0.014 χ^2/NDF: 7373839.1/41

In: 75.180+/-0.012 χ^2/NDF:11740689.0/41

Out: 76.012+/-0.012 χ^2/NDF:12500169.2/46

All: 75.601+/-0.009 χ^2/NDF: 24243190.8/88

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.030 χ^2/NDF: 11.3/18

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.041+/-0.027 χ^2/NDF: 20.9/22

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

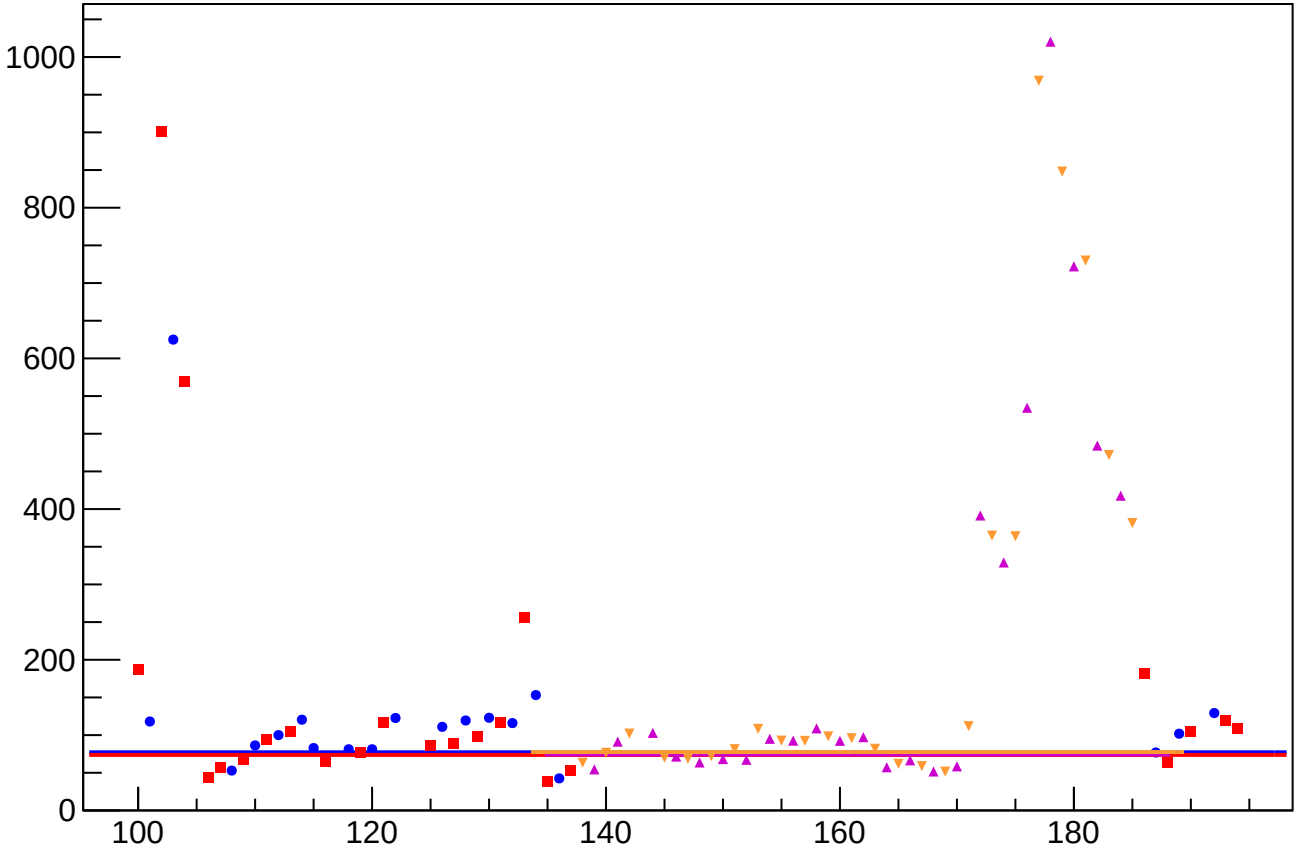
Right: -0.020+/-0.020 χ^2/NDF: 33.5/41

In: 0.010+/-0.017 χ^2/NDF:26.4/41

Out: -0.055+/-0.017 χ^2/NDF:43.7/46

All: -0.023+/-0.012 χ^2/NDF: 77.2/88

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 77.164+/-0.021 χ^2/NDF: 3214187.0/18

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 73.720+/-0.019 χ^2/NDF: 4145332.0/22

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

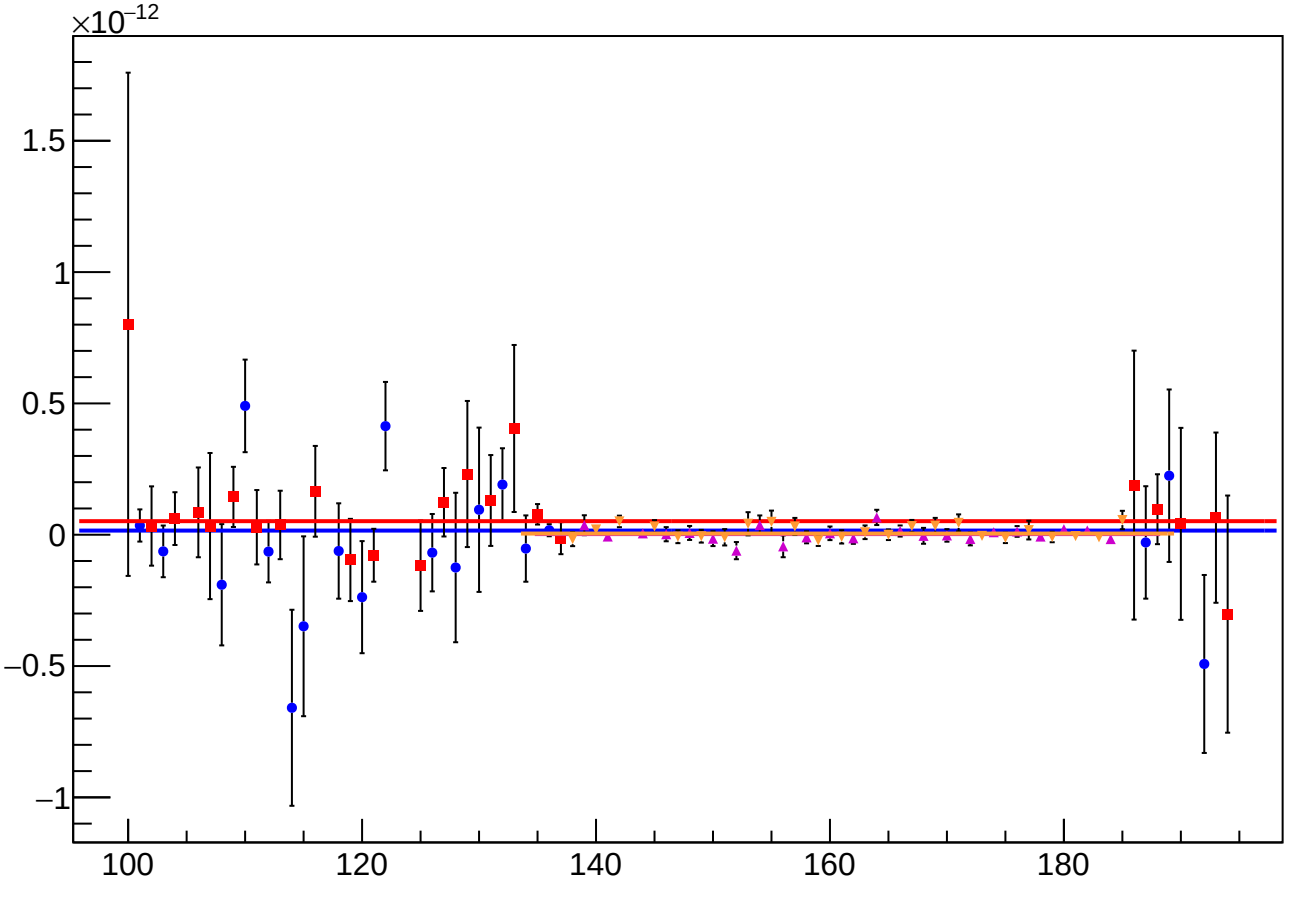
Right: 75.252+/-0.014 χ^2/NDF: 7373839.1/41

In: 75.180+/-0.012 χ^2/NDF:11740689.0/41

Out: 76.012+/-0.012 χ^2/NDF:12500169.2/46

All: 75.601+/-0.009 χ^2/NDF: 24243190.8/88

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 26.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9.9/22

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

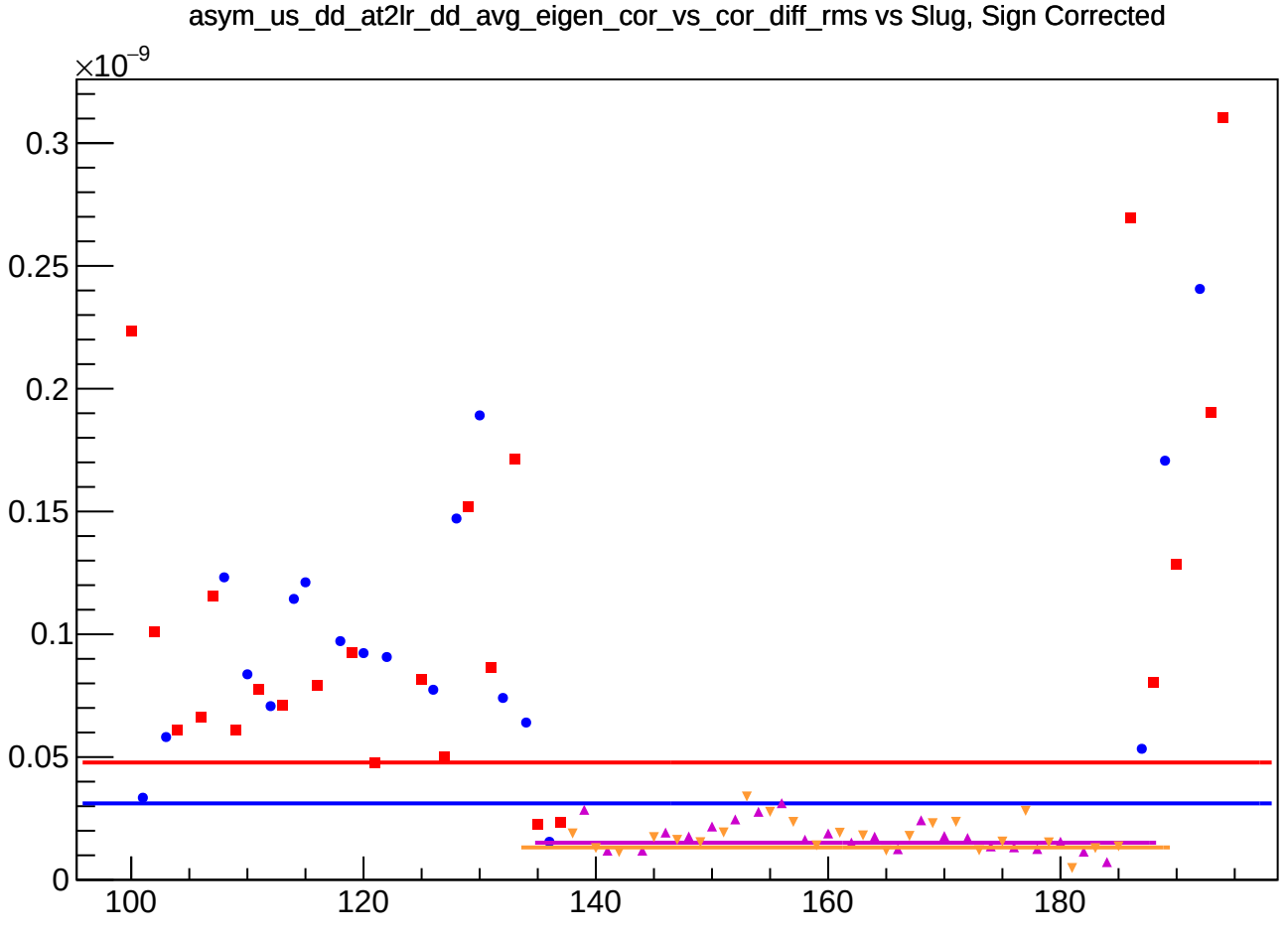
Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

Right: 0.000+/-0.000 χ^2/NDF: 37.3/41

In: 0.000+/-0.000 χ^2/NDF:44.0/41

Out: 0.000+/-0.000 χ^2/NDF:35.2/46

All: 0.000+/-0.000 χ^2/NDF: 79.5/88



Right In: 0.000+/-0.000 χ^2/NDF: 5236661.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4478954.6/22

Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

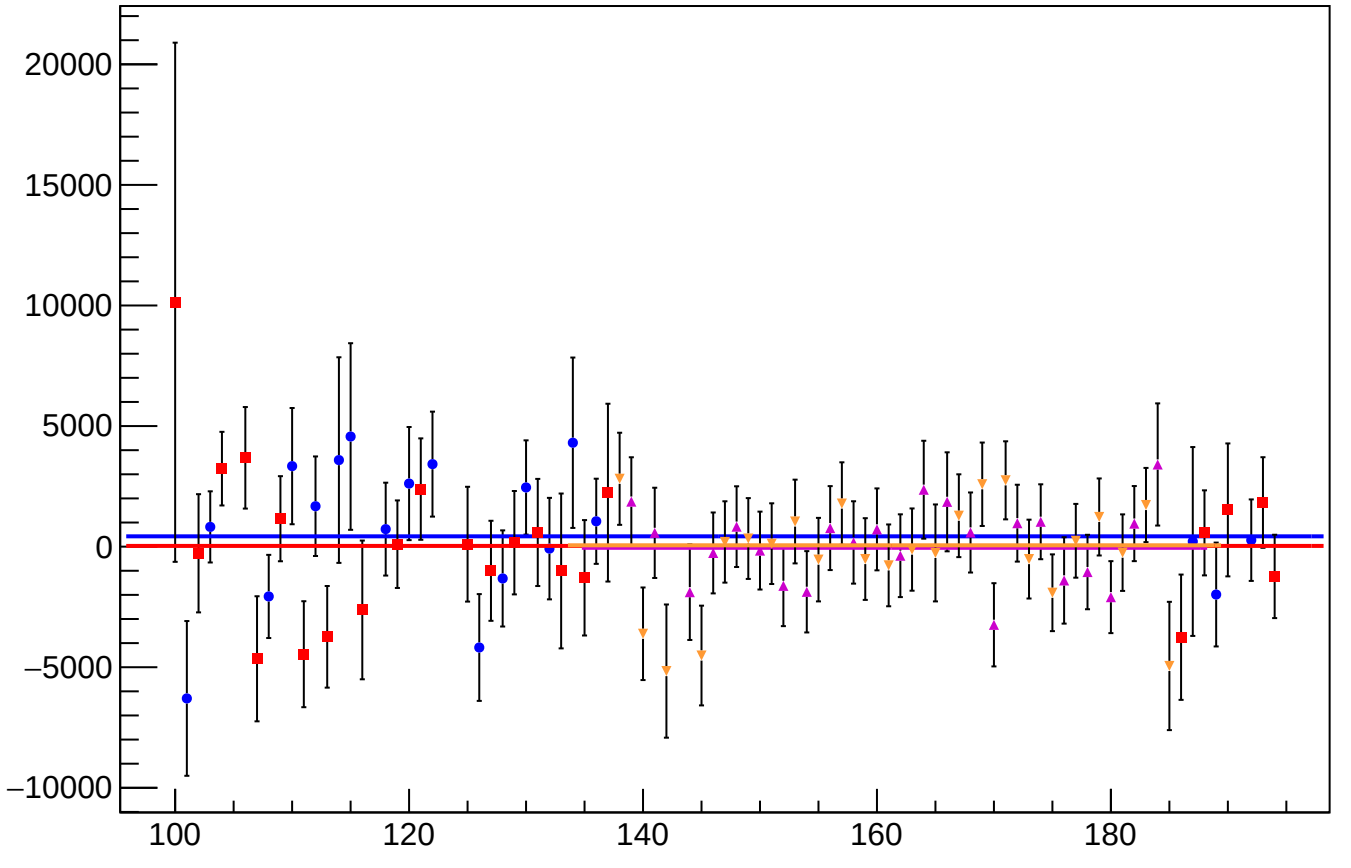
Left: 0.000+/-0.000 χ^2/NDF: 6568948.9/46

Right: 0.000+/-0.000 χ^2/NDF: 10295767.3/41

In: 0.000+/-0.000 χ^2/NDF:8701320.5/41

Out: 0.000+/-0.000 χ^2/NDF:12674567.2/46

All: 0.000+/-0.000 χ^2/NDF: 21531493.6/88



Right In: 427.997+/-496.304 χ^2/NDF: 21.7/18

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: 30.130+/-457.530 χ^2/NDF: 26.5/22

Left In: -48.177+/-359.531 χ^2/NDF:16.8/22

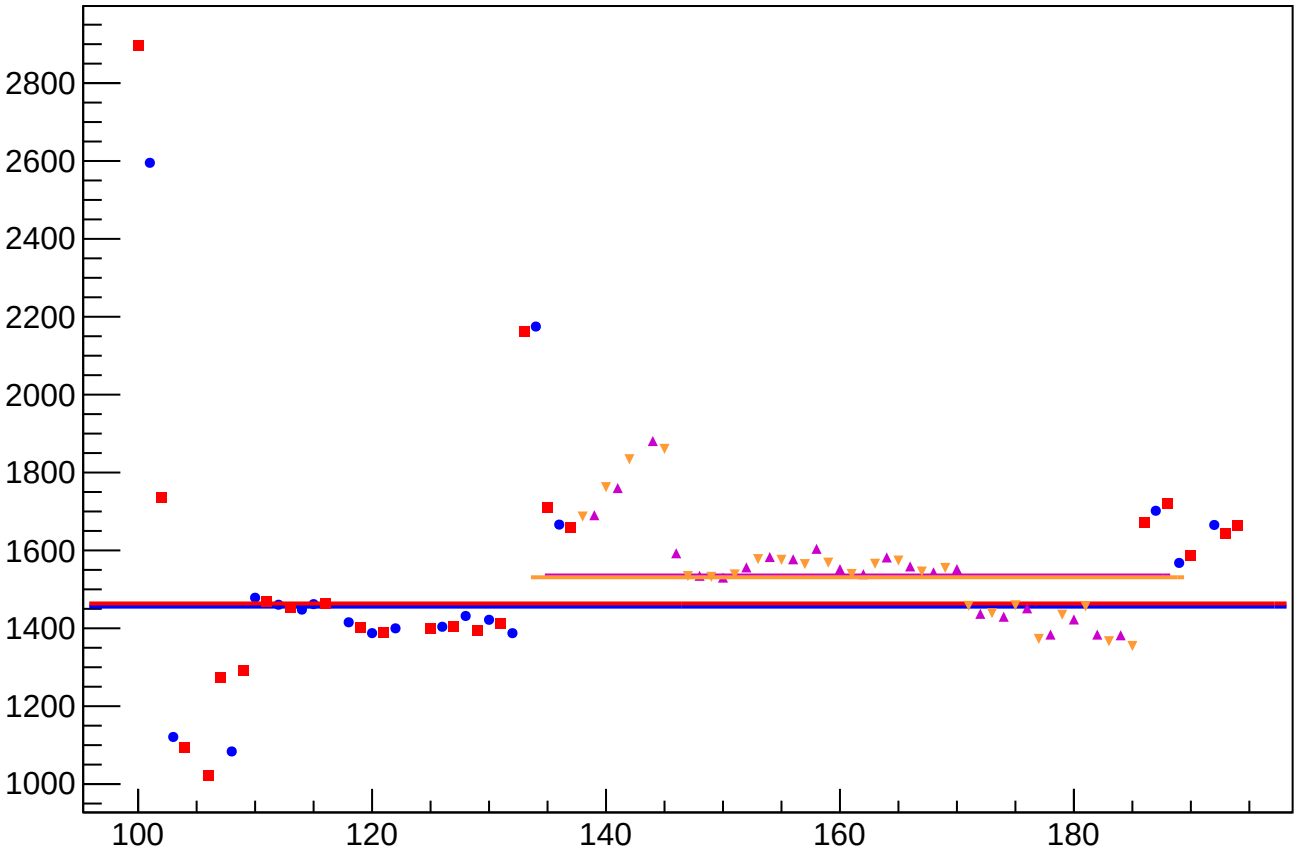
Left: 3.751+/-253.103 χ^2/NDF: 45.3/46

Right: 212.916+/-336.396 χ^2/NDF: 48.6/41

In: 115.706+/-291.161 χ^2/NDF:39.1/41

Out: 45.466+/-281.151 χ^2/NDF:55.0/46

All: 79.358+/-202.250 χ^2/NDF: 94.1/88



Right In: 1455.676+/-0.351 χ^2/NDF: 611937.3/18

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

Right Out: 1463.777+/-0.324 χ^2/NDF: 532571.8/22

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

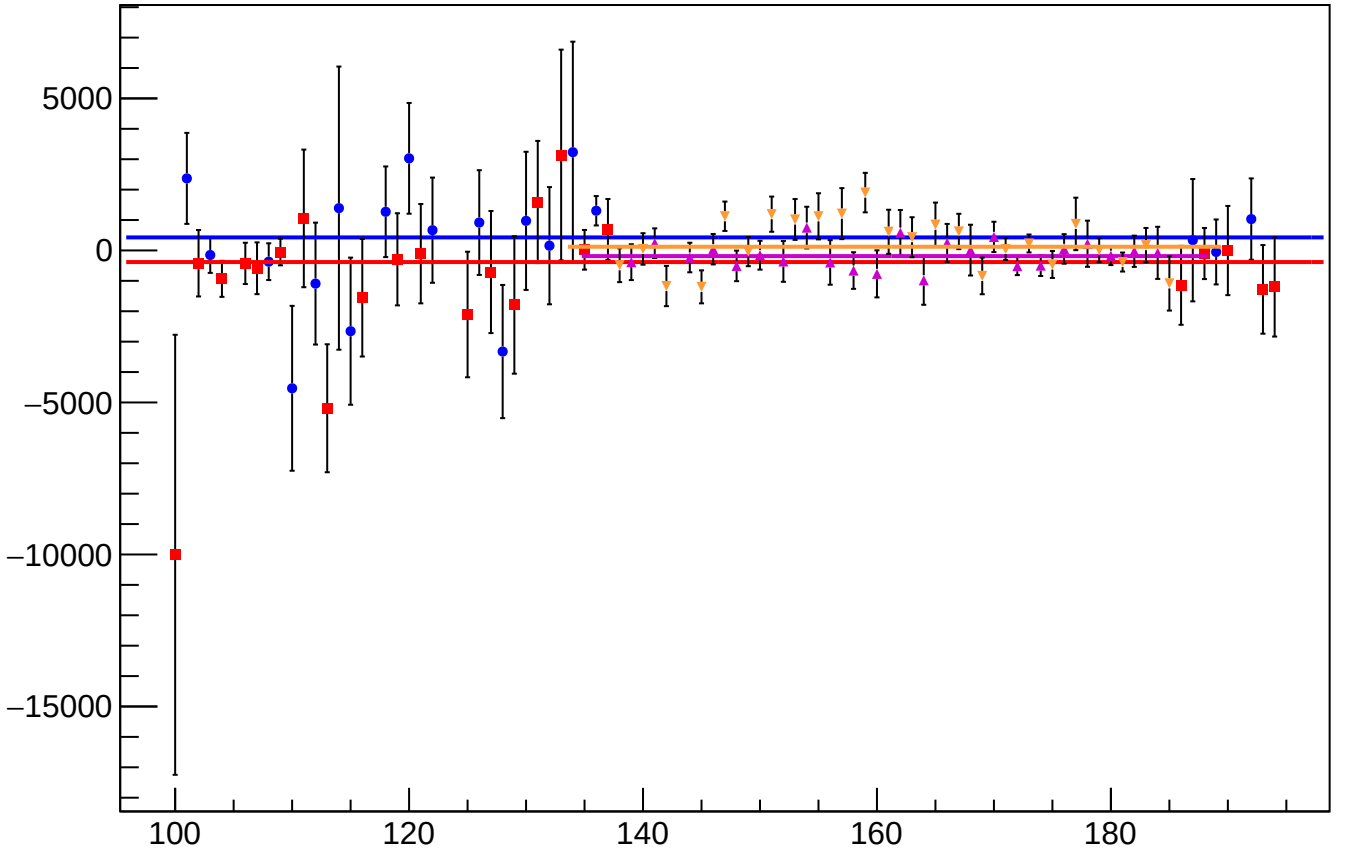
Right: 1460.055+/-0.238 χ^2/NDF: 1144797.2/41

In: 1508.060+/-0.206 χ^2/NDF:838344.4/41

Out: 1505.601+/-0.199 χ^2/NDF:762963.8/46

All: 1506.788+/-0.143 χ^2/NDF: 1601382.1/88

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 428.475+/-259.777 χ^2/NDF: 19.8/18

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: -382.039+/-215.055 χ^2/NDF: 15.1/22

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

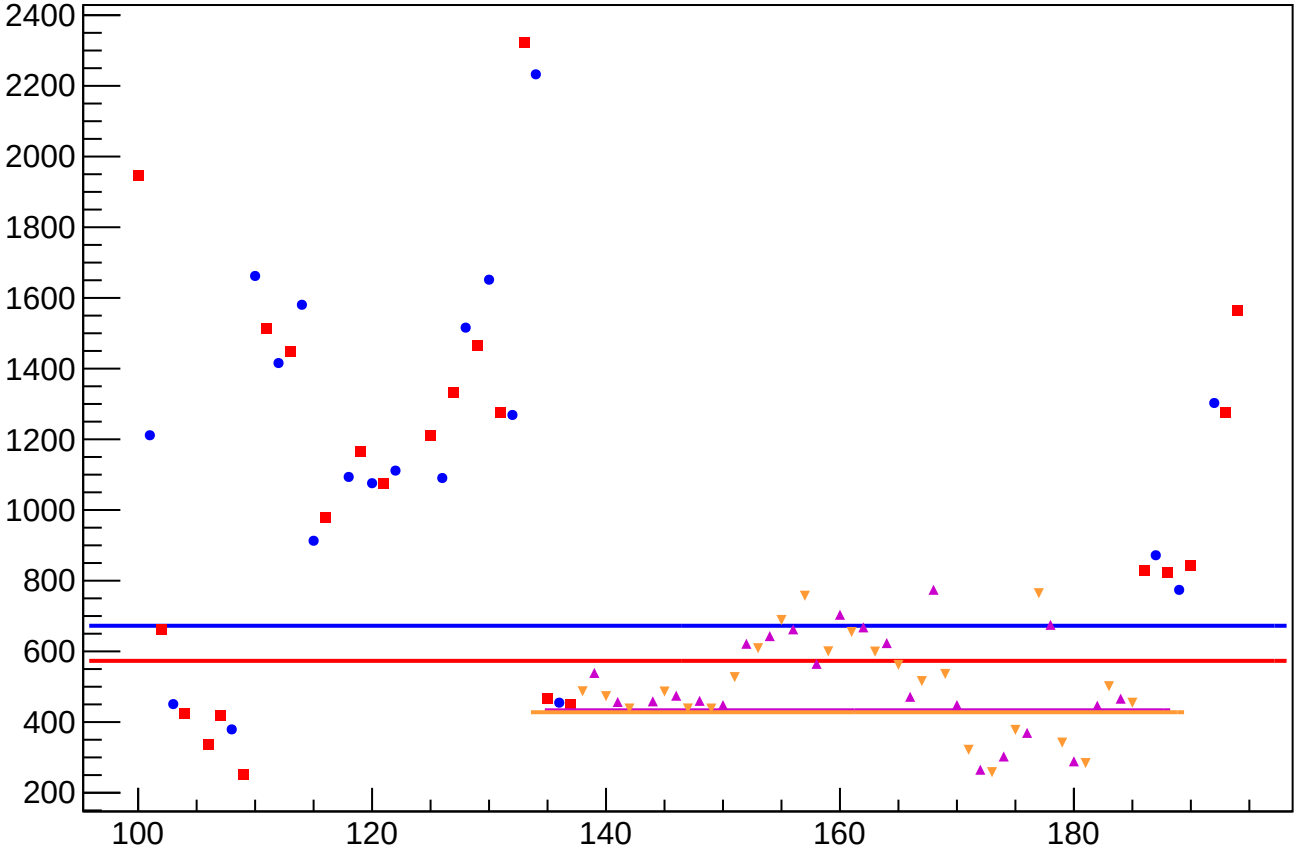
Right: -52.448+/-165.656 χ^2/NDF: 40.6/41

In: -97.615+/-98.917 χ^2/NDF:36.2/41

Out: 24.342+/-94.398 χ^2/NDF:63.2/46

All: -33.787+/-68.291 χ^2/NDF: 100.1/88

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 672.477+/-0.184 χ^2/NDF: 4270879.8/18

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 573.204+/-0.152 χ^2/NDF: 6029827.8/22

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

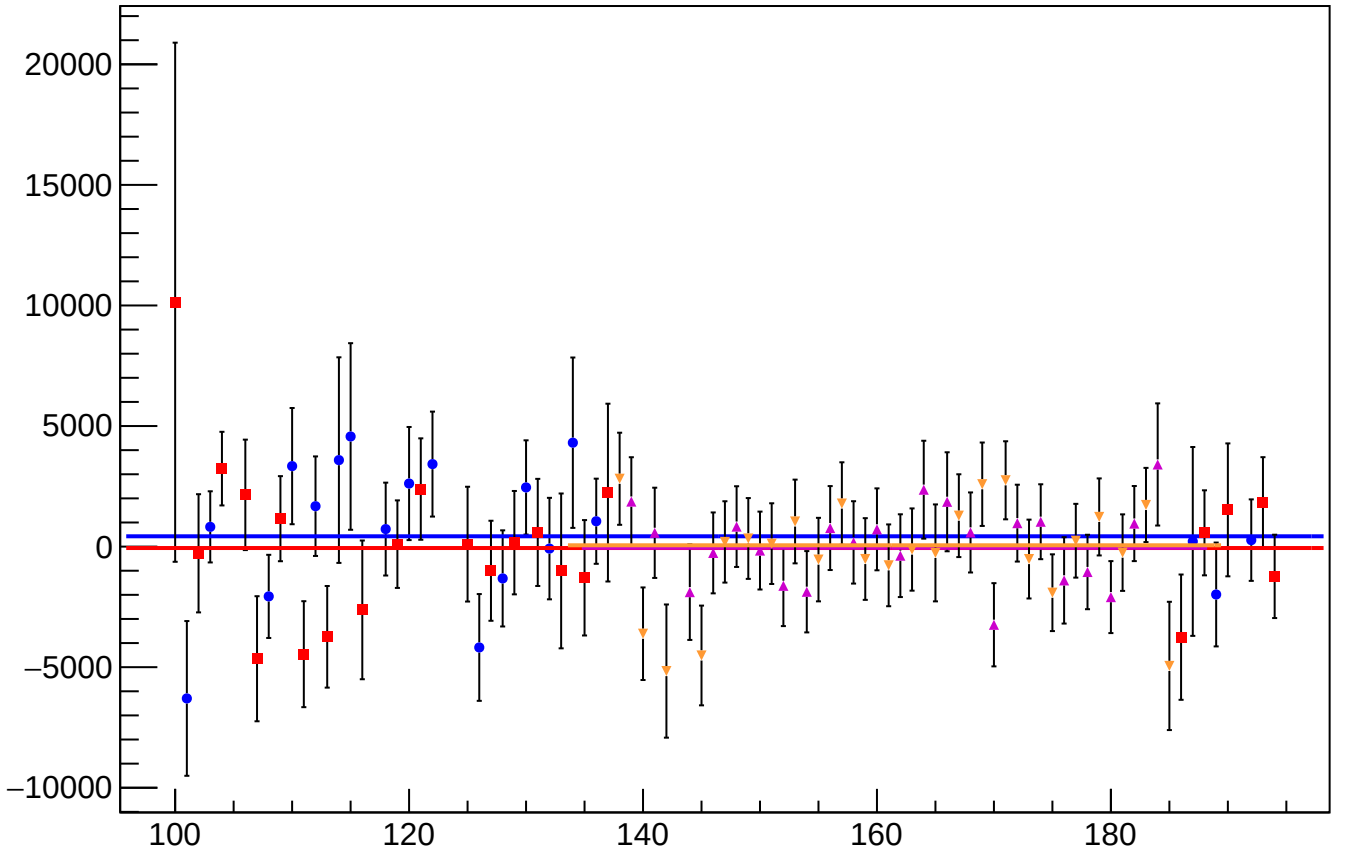
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

Right: 613.573+/-0.117 χ^2/NDF: 10474009.0/41

In: 467.964+/-0.070 χ^2/NDF:8968648.4/41

Out: 455.827+/-0.067 χ^2/NDF:9955974.4/46

All: 461.612+/-0.048 χ^2/NDF: 18940381.0/88



Right In: 427.916+/-496.304 χ^2/NDF: 21.7/18

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -58.775+/-459.210 χ^2/NDF: 24.3/22

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

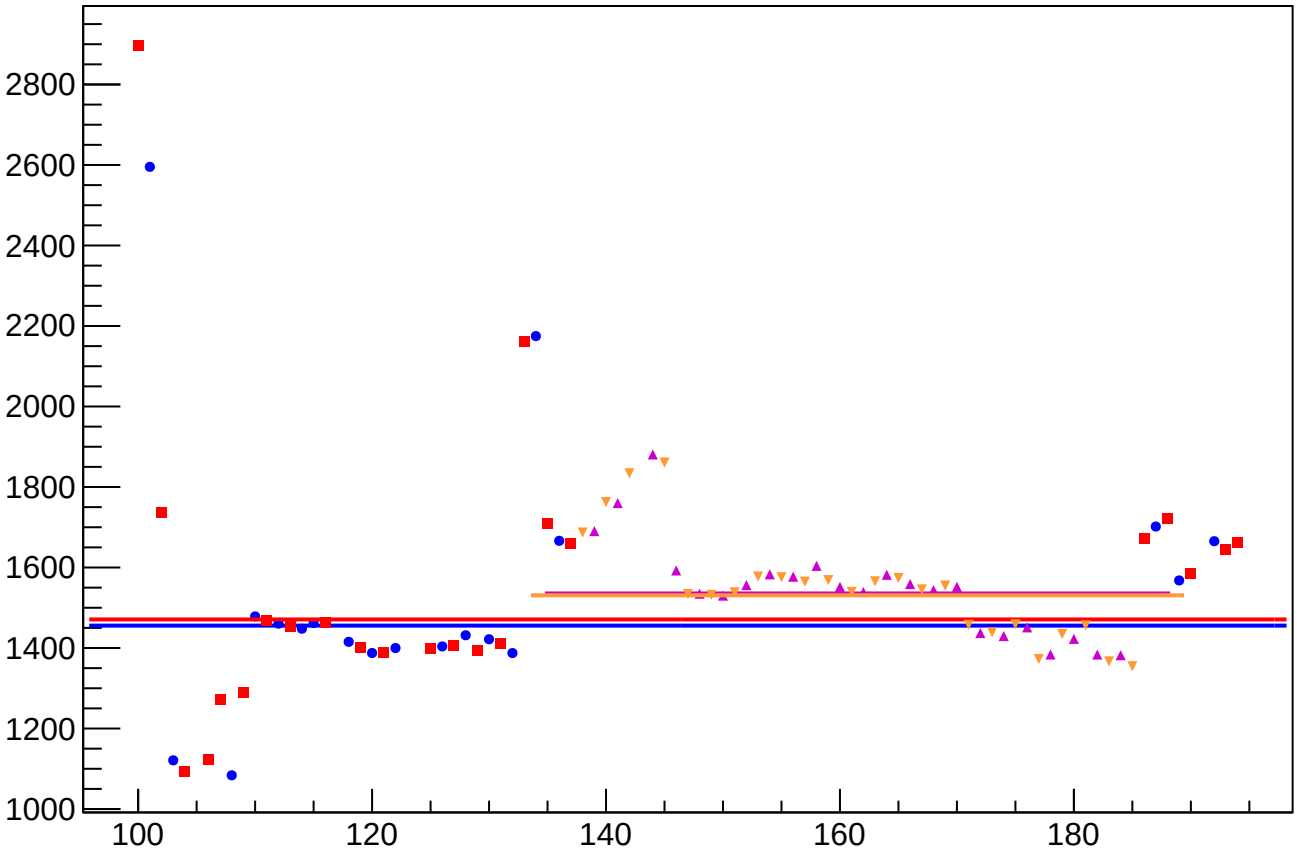
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 165.705+/-337.062 χ^2/NDF: 46.5/41

In: 115.627+/-291.161 χ^2/NDF:39.1/41

Out: 12.068+/-281.539 χ^2/NDF:52.8/46

All: 62.108+/-202.394 χ^2/NDF: 92.0/88



Right In: 1455.675+/-0.351 χ^2/NDF: 611937.6/18

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1471.011+/-0.325 χ^2/NDF: 488887.3/22

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

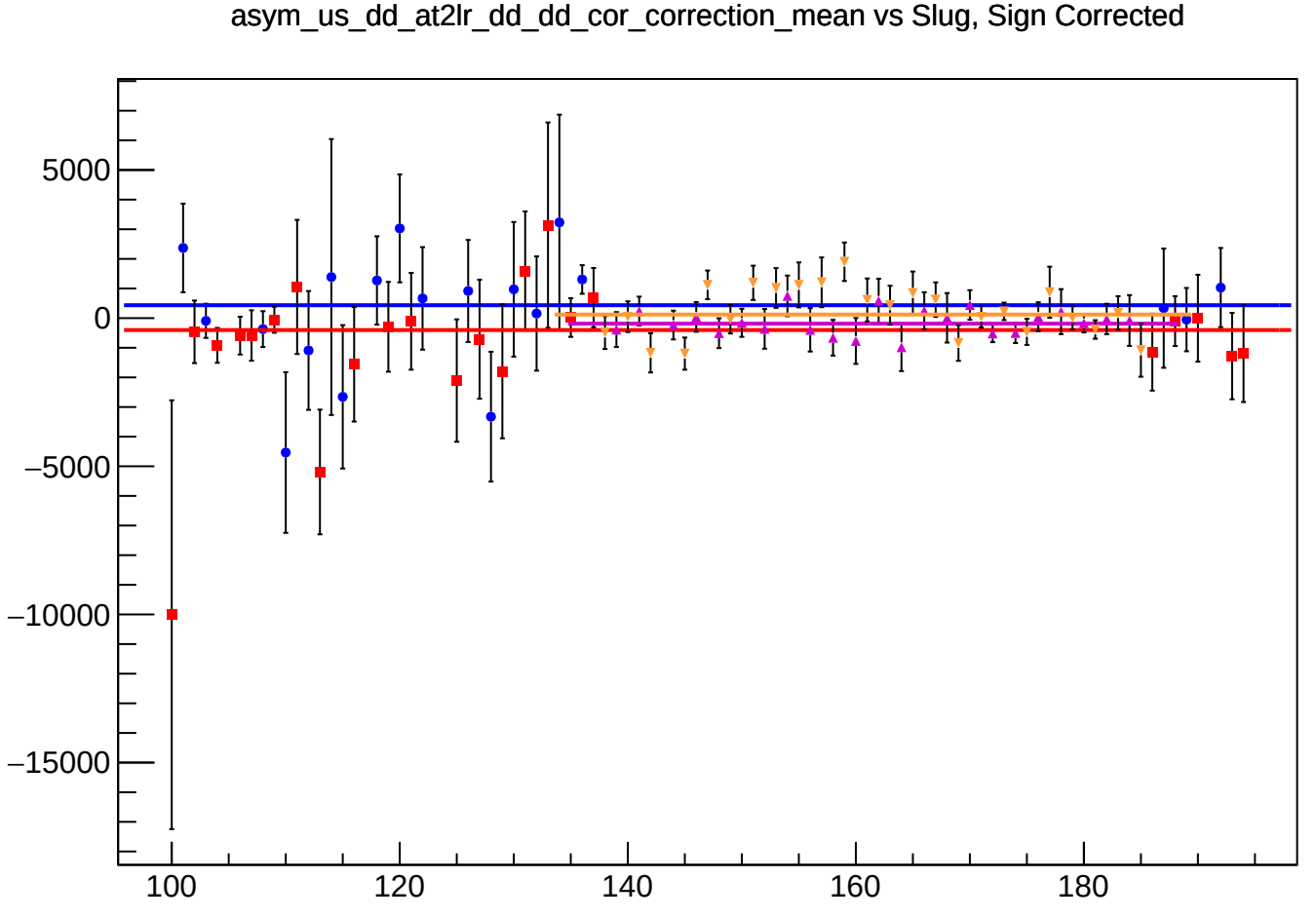
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1463.938+/-0.238 χ^2/NDF: 1101853.6/41

In: 1508.060+/-0.206 χ^2/NDF:838344.8/41

Out: 1508.436+/-0.199 χ^2/NDF:713711.9/46

All: 1508.254+/-0.143 χ^2/NDF: 1552058.4/88



Right In: 436.169+/-258.792 χ^2/NDF: 19.6/18

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -401.806+/-213.188 χ^2/NDF: 15.2/22

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

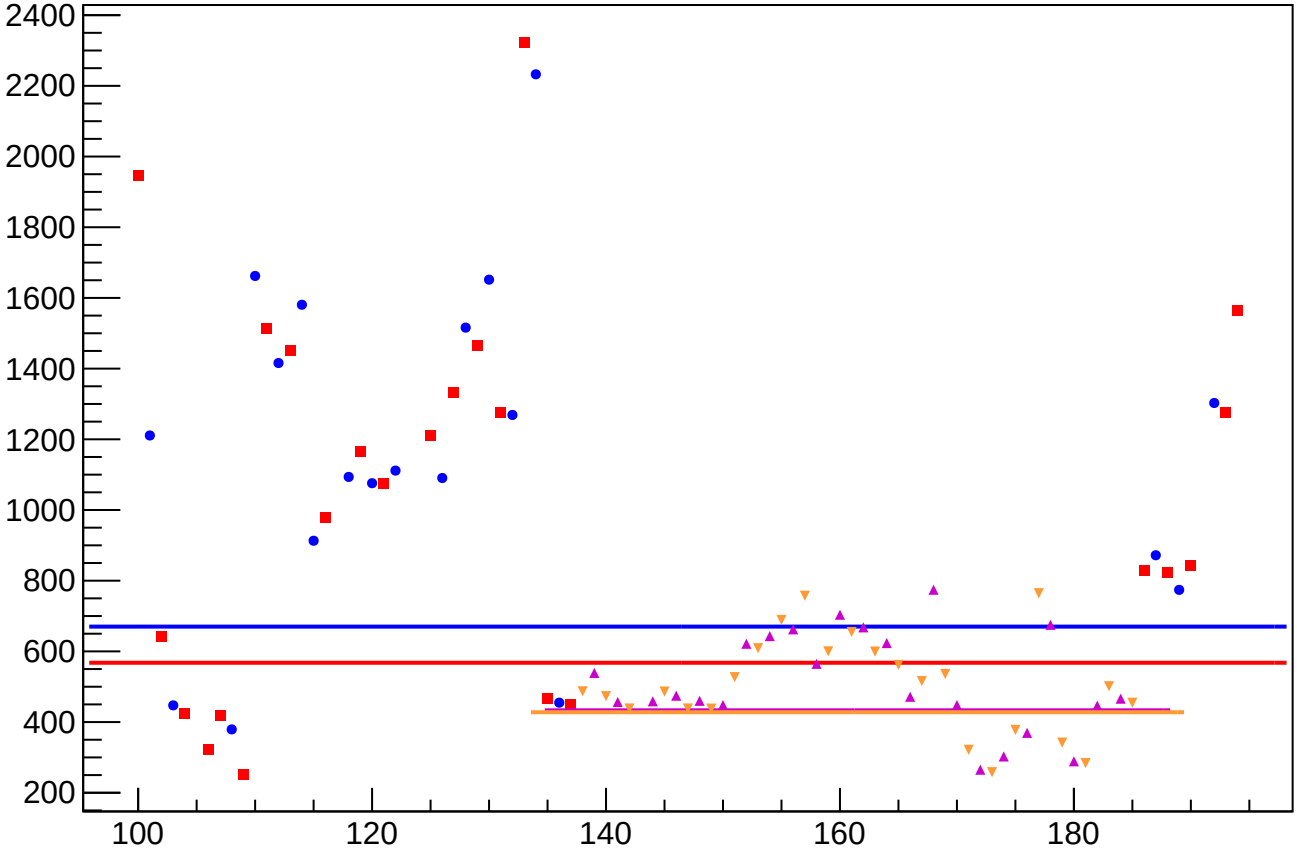
Right: -63.036+/-164.546 χ^2/NDF: 41.0/41

In: -96.089+/-98.862 χ^2/NDF:36.1/41

Out: 19.104+/-94.238 χ^2/NDF:63.6/46

All: -35.736+/-68.213 χ^2/NDF: 100.5/88

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 670.081+/-0.183 χ^2/NDF: 4291034.8/18

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 567.824+/-0.151 χ^2/NDF: 6088333.9/22

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

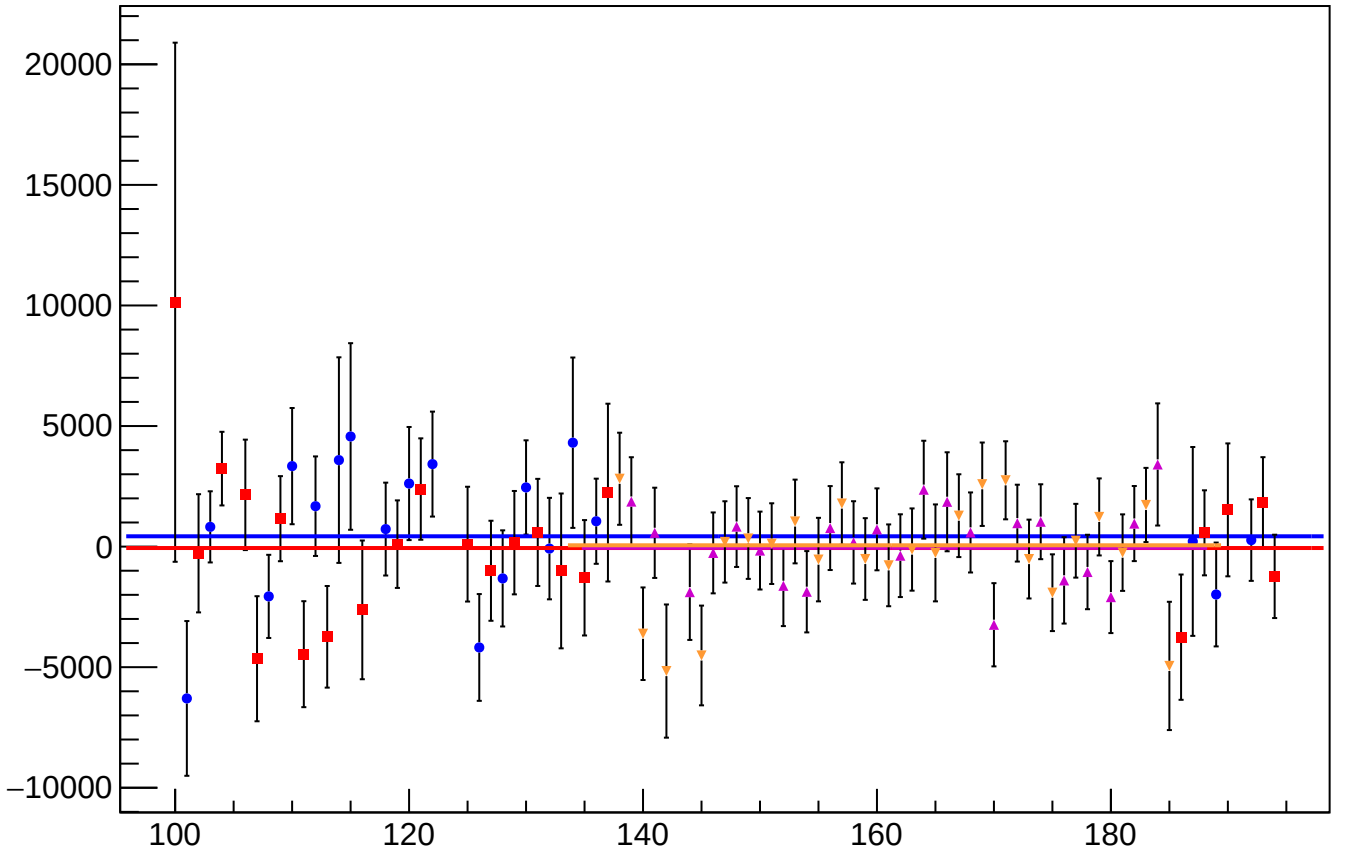
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 609.163+/-0.116 χ^2/NDF: 10565390.5/41

In: 467.842+/-0.070 χ^2/NDF:8969012.1/41

Out: 455.172+/-0.067 χ^2/NDF:9970791.5/46

All: 461.204+/-0.048 χ^2/NDF: 18957012.7/88



Right In: 427.916+/-496.304 χ^2/NDF: 21.7/18

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -58.775+/-459.210 χ^2/NDF: 24.3/22

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

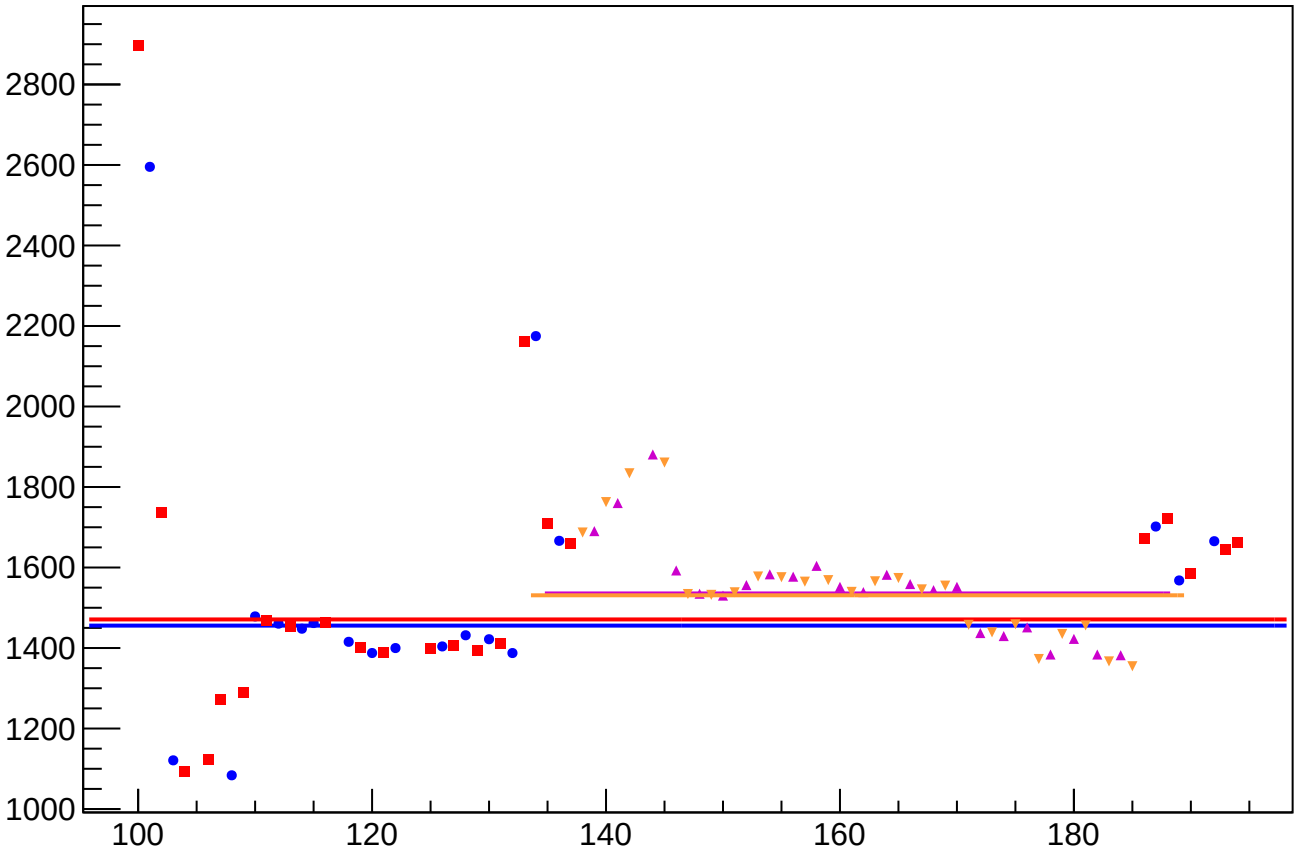
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 165.705+/-337.062 χ^2/NDF: 46.5/41

In: 115.627+/-291.161 χ^2/NDF:39.1/41

Out: 12.068+/-281.539 χ^2/NDF:52.8/46

All: 62.108+/-202.394 χ^2/NDF: 92.0/88



Right In: 1455.675+/-0.351 χ^2/NDF: 611937.6/18

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1471.011+/-0.325 χ^2/NDF: 488887.3/22

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

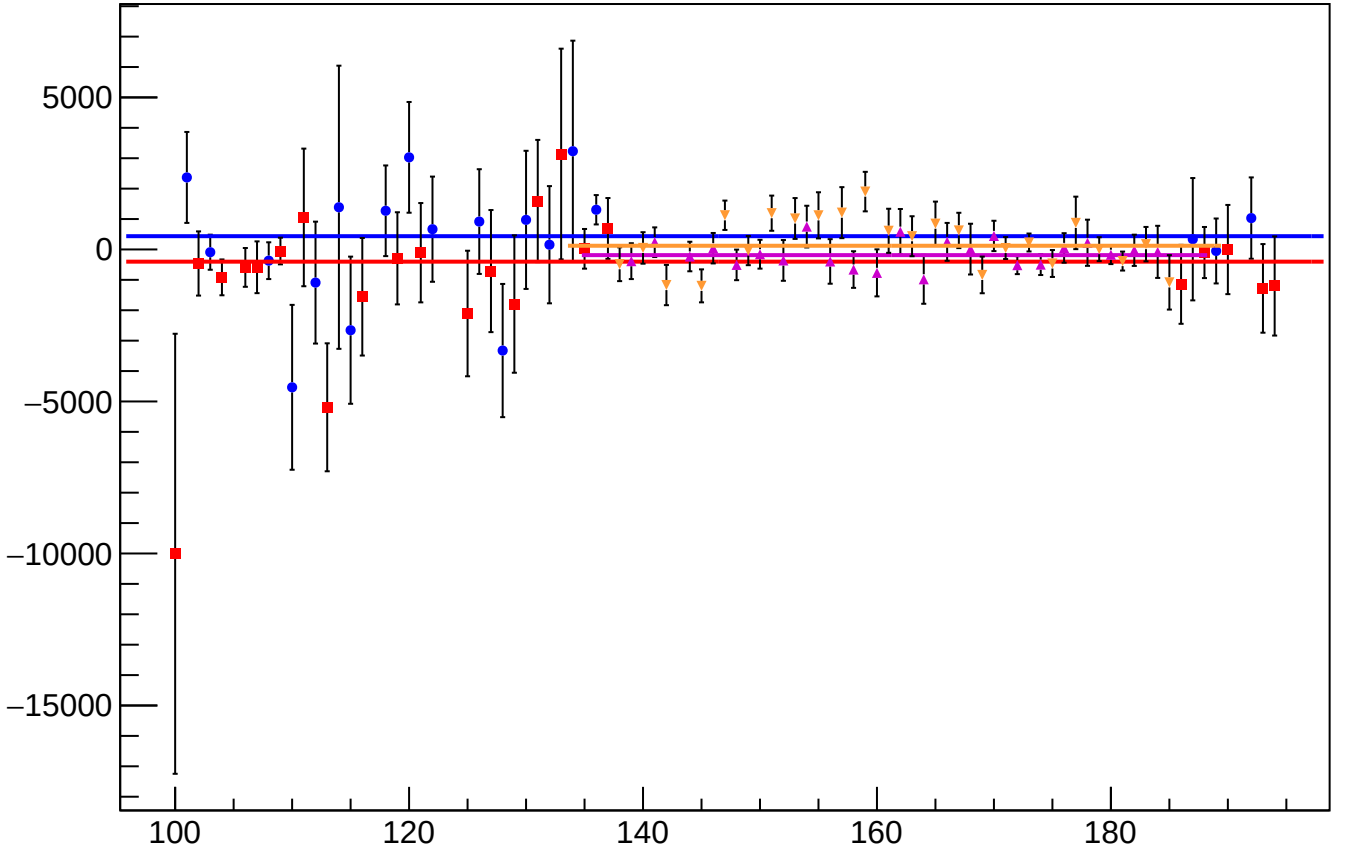
Right: 1463.938+/-0.238 χ^2/NDF: 1101853.6/41

In: 1508.060+/-0.206 χ^2/NDF:838344.8/41

Out: 1508.436+/-0.199 χ^2/NDF:713711.9/46

All: 1508.254+/-0.143 χ^2/NDF: 1552058.4/88

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 436.169+/-258.792 χ^2/NDF: 19.6/18

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -401.806+/-213.188 χ^2/NDF: 15.2/22

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

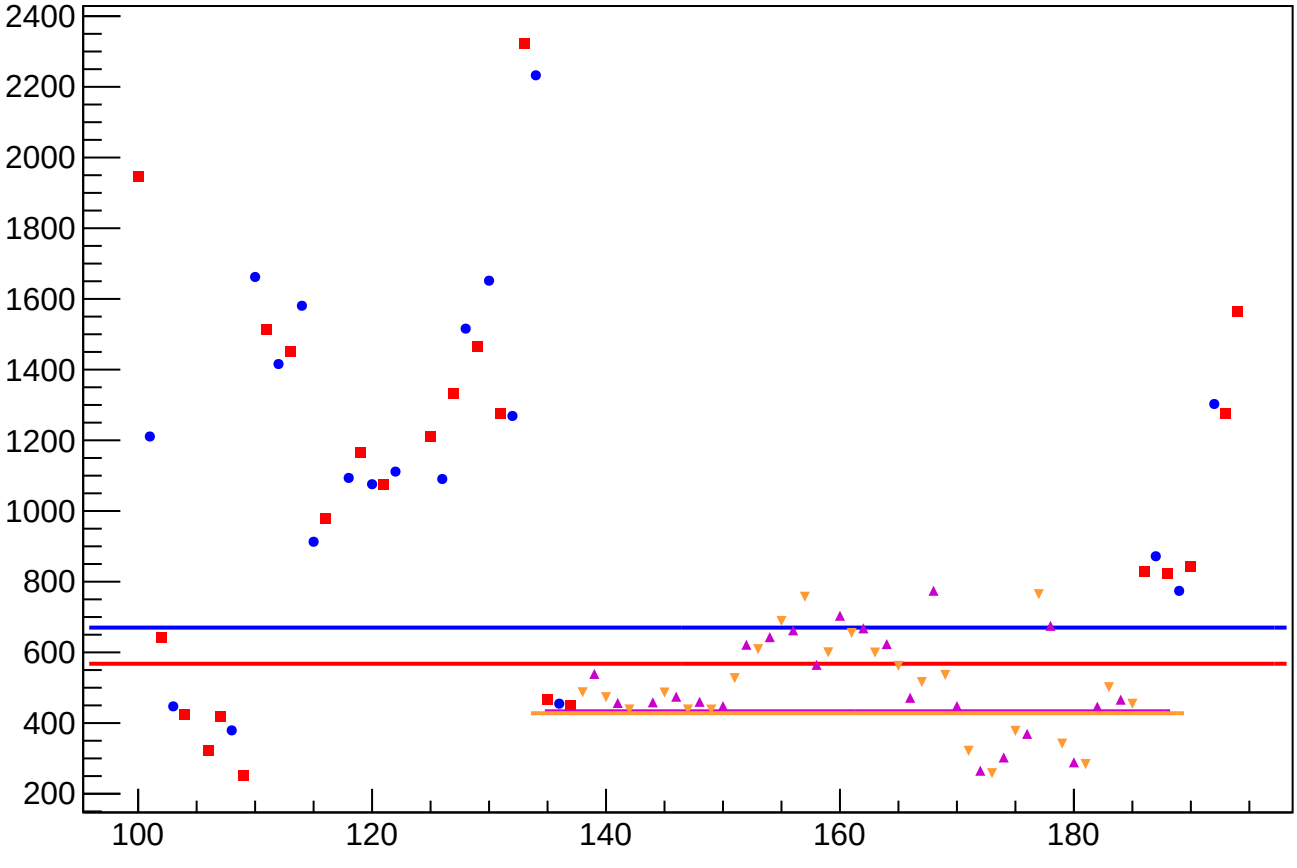
Right: -63.036+/-164.546 χ^2/NDF: 41.0/41

In: -96.089+/-98.862 χ^2/NDF:36.1/41

Out: 19.104+/-94.238 χ^2/NDF:63.6/46

All: -35.736+/-68.213 χ^2/NDF: 100.5/88

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 670.081+/-0.183 χ^2/NDF: 4291034.8/18

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 567.824+/-0.151 χ^2/NDF: 6088333.9/22

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

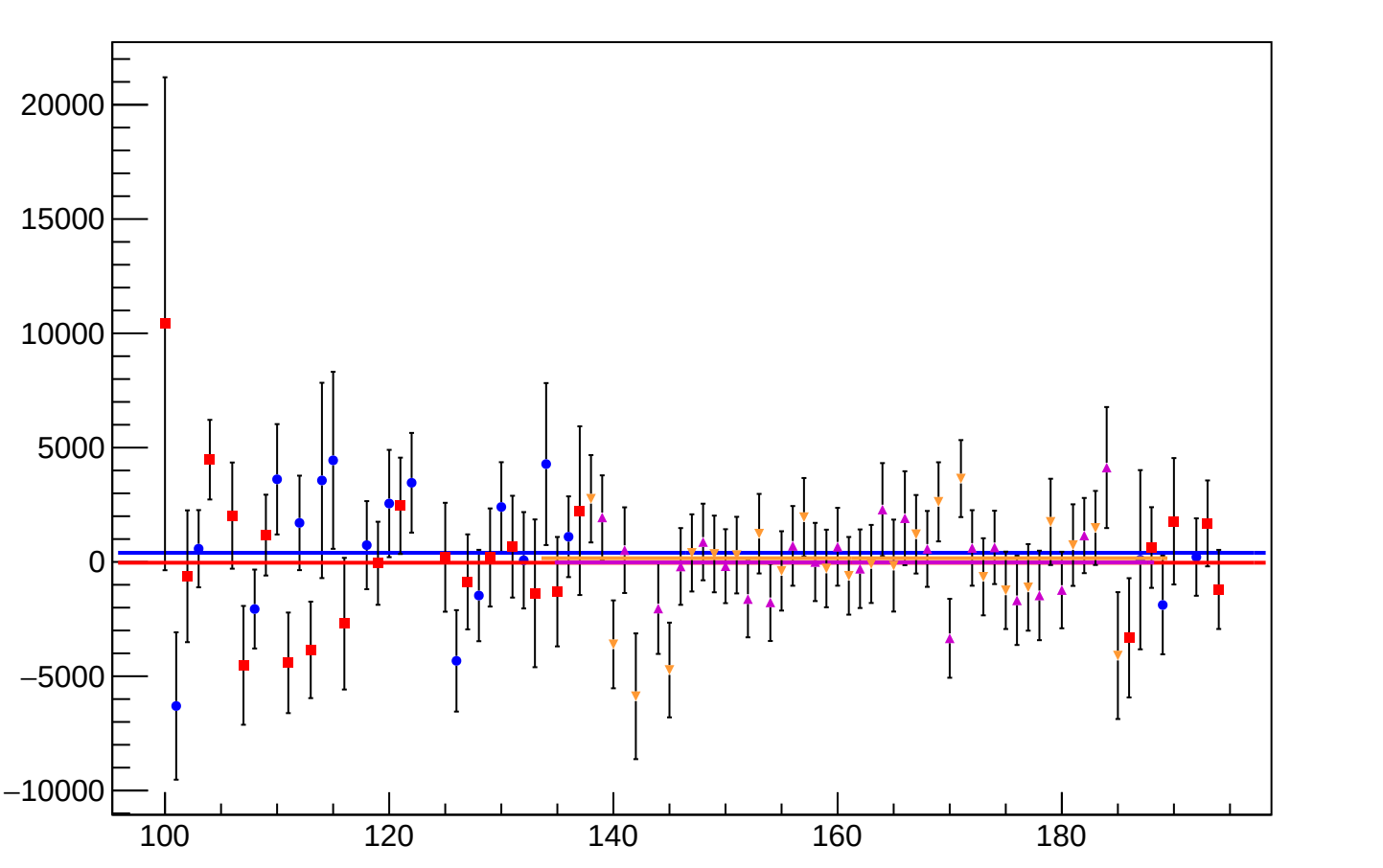
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

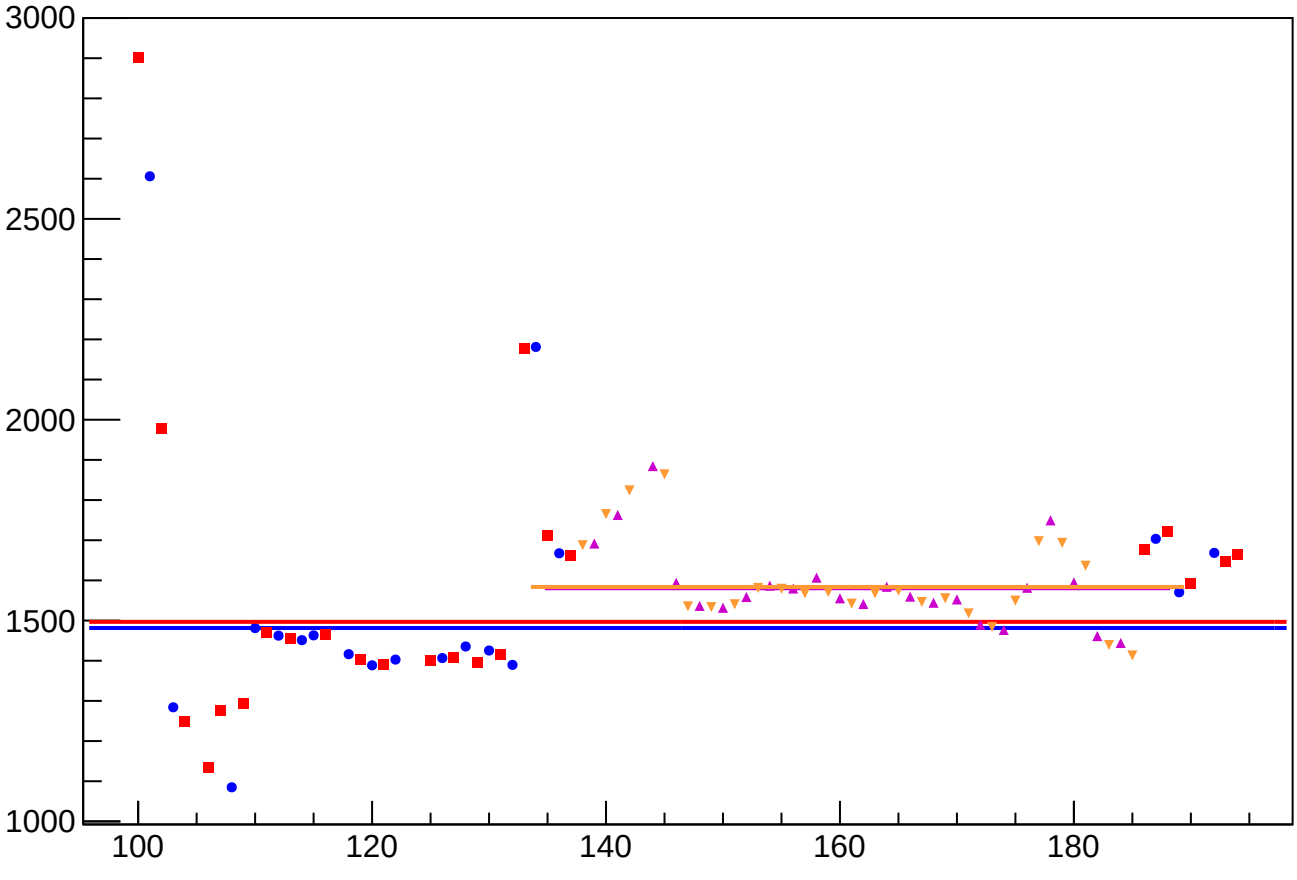
Right: 609.163+/-0.116 χ^2/NDF: 10565390.5/41

In: 467.842+/-0.070 χ^2/NDF:8969012.1/41

Out: 455.172+/-0.067 χ^2/NDF:9970791.5/46

All: 461.204+/-0.048 χ^2/NDF: 18957012.7/88


dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
Right In: 398.590+/-503.847 χ²/NDF: 22.0/18
Left Out: 161.591+/-368.366 χ²/NDF:29.9/23
Right Out: -34.640+/-467.359 χ²/NDF: 26.0/22
Left In: -20.252+/-369.781 χ²/NDF:16.0/22
Left: 71.018+/-260.973 χ²/NDF: 46.0/46
Right: 165.721+/-342.647 χ²/NDF: 48.4/41
In: 126.373+/-298.110 χ²/NDF:38.4/41
Out: 86.398+/-289.305 χ²/NDF:56.0/46
All: 105.786+/-207.613 χ²/NDF: 94.5/88



Right In: 1481.436+/-0.356 χ^2/NDF: 527963.2/18

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

Right Out: 1496.781+/-0.330 χ^2/NDF: 431136.3/22

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

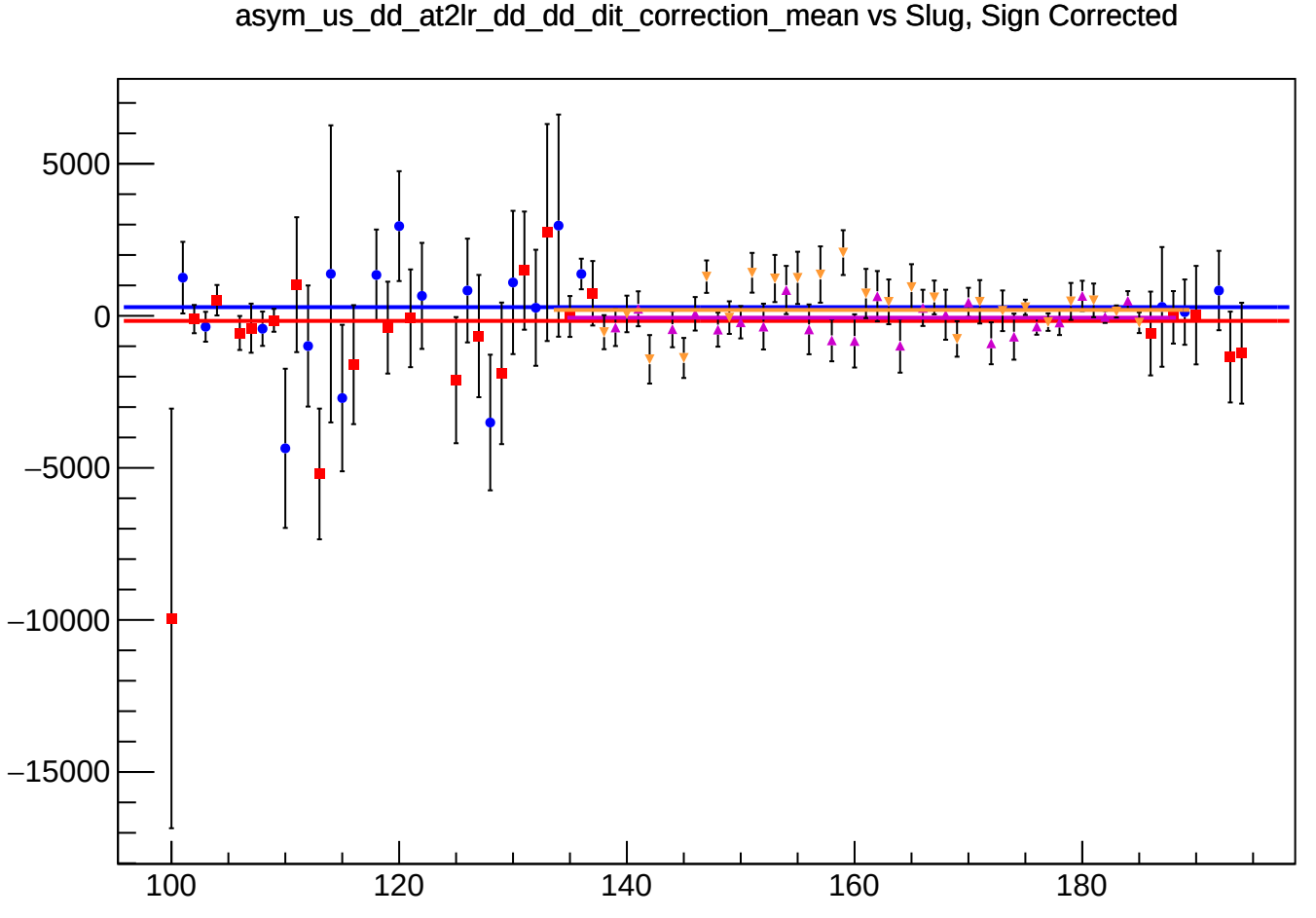
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1489.684+/-0.242 χ^2/NDF: 960096.6/41

In: 1545.797+/-0.211 χ^2/NDF:703921.6/41

Out: 1550.377+/-0.205 χ^2/NDF:607362.1/46

All: 1548.156+/-0.147 χ^2/NDF: 1311526.8/88



Right In: 285.671+/-246.600 χ^2/NDF: 20.4/18

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

Right Out: -167.383+/-185.337 χ^2/NDF: 15.6/22

Left In: -62.183+/-99.717 χ^2/NDF:17.0/22

Left: 70.554+/-69.119 χ^2/NDF: 60.5/46

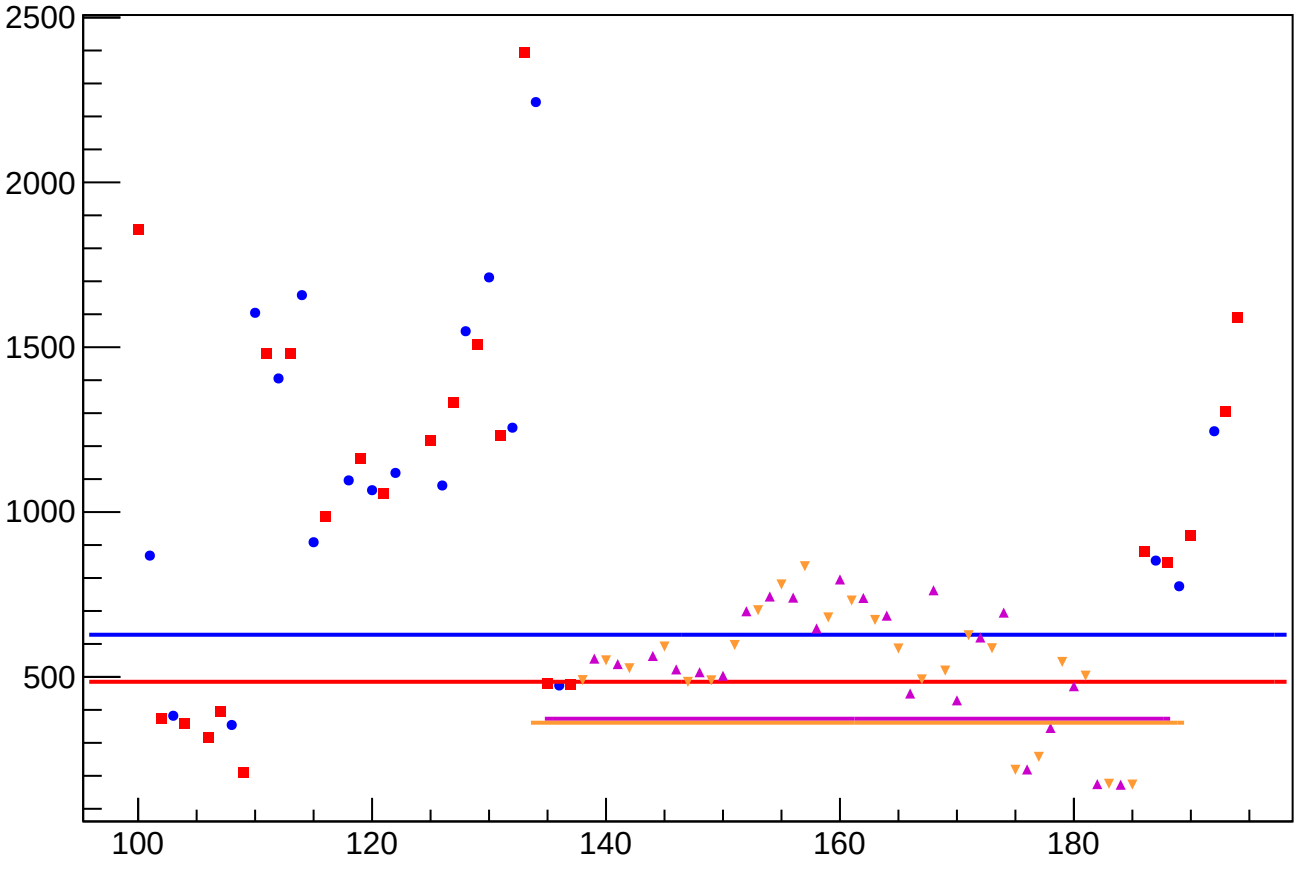
Right: -3.847+/-148.158 χ^2/NDF: 38.2/41

In: -13.297+/-92.445 χ^2/NDF:39.1/41

Out: 117.139+/-85.169 χ^2/NDF:58.7/46

All: 57.256+/-62.638 χ^2/NDF: 98.9/88

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 627.935+/-0.174 χ^2/NDF: 4437061.5/18

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

Right Out: 485.243+/-0.131 χ^2/NDF: 7216656.2/22

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

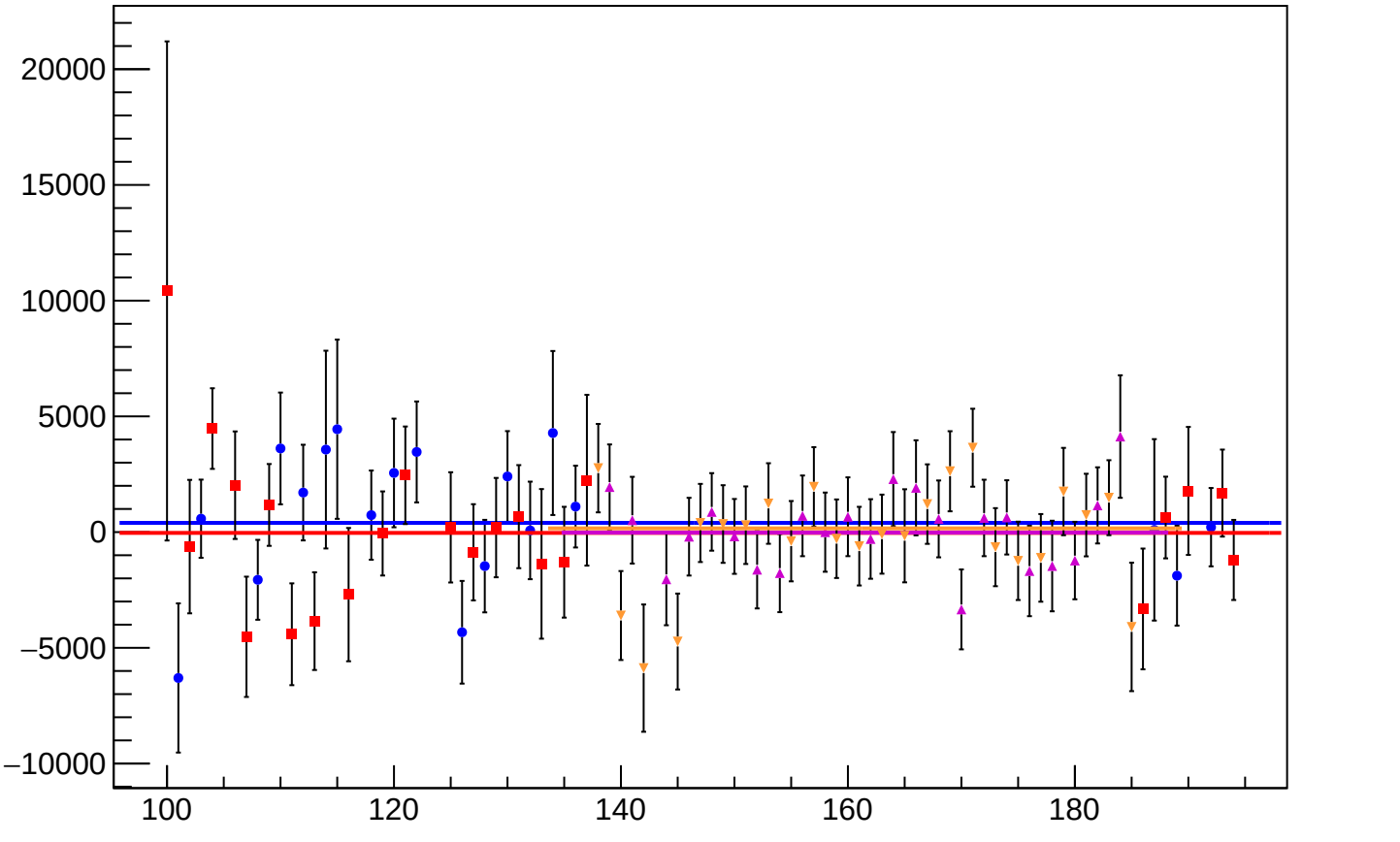
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

Right: 536.750+/-0.105 χ^2/NDF: 12081649.9/41

In: 408.948+/-0.065 χ^2/NDF:14479503.2/41

Out: 387.315+/-0.060 χ^2/NDF:16107614.7/46

All: 397.247+/-0.044 χ^2/NDF: 30646354.2/88



Right In: 398.591+/-503.847 χ^2/NDF: 22.0/18

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: -34.639+/-467.359 χ^2/NDF: 26.0/22

Left In: -20.250+/-369.781 χ^2/NDF:16.0/22

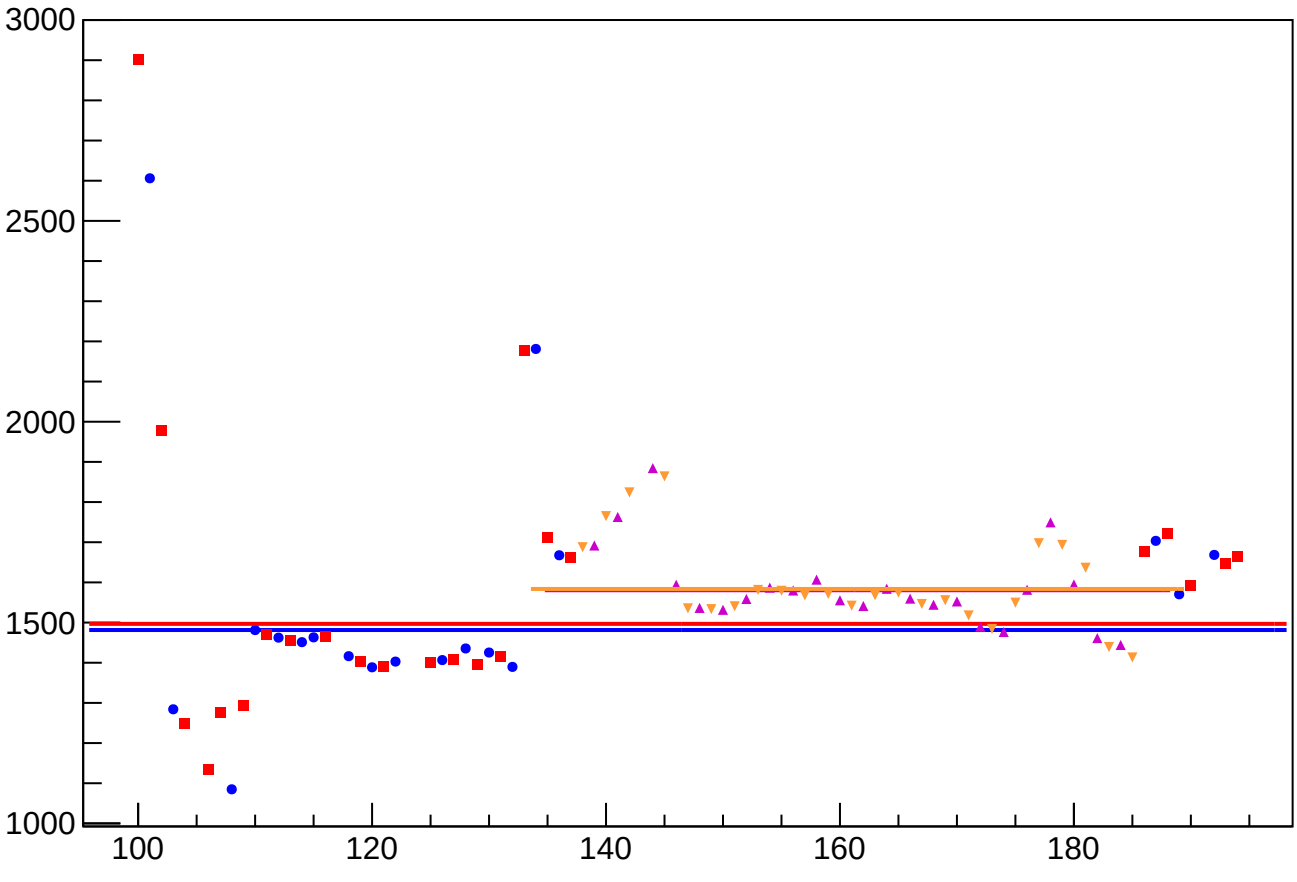
Left: 71.017+/-260.973 χ^2/NDF: 46.0/46

Right: 165.722+/-342.647 χ^2/NDF: 48.4/41

In: 126.374+/-298.110 χ^2/NDF:38.4/41

Out: 86.396+/-289.305 χ^2/NDF:56.0/46

All: 105.786+/-207.613 χ^2/NDF: 94.5/88



Right In: 1481.436+/-0.356 χ^2/NDF: 527962.8/18

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

Right Out: 1496.781+/-0.330 χ^2/NDF: 431136.4/22

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

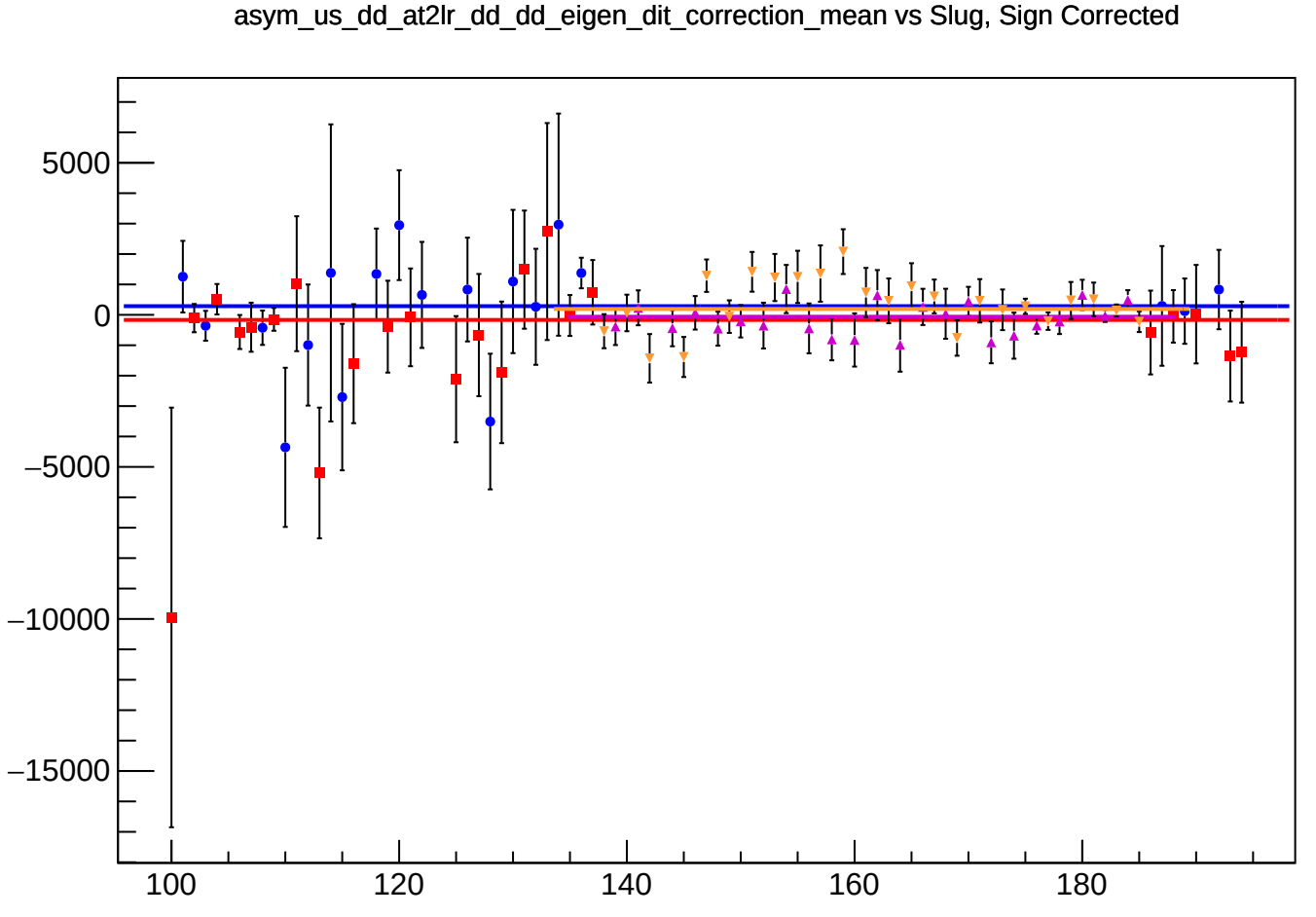
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1489.684+/-0.242 χ^2/NDF: 960096.3/41

In: 1545.797+/-0.211 χ^2/NDF:703920.8/41

Out: 1550.377+/-0.205 χ^2/NDF:607362.3/46

All: 1548.156+/-0.147 χ^2/NDF: 1311526.2/88



Right In: 285.664+/-246.599 χ^2/NDF: 20.4/18

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

Right Out: -167.380+/-185.339 χ^2/NDF: 15.6/22

Left In: -62.181+/-99.718 χ^2/NDF:17.0/22

Left: 70.558+/-69.120 χ^2/NDF: 60.5/46

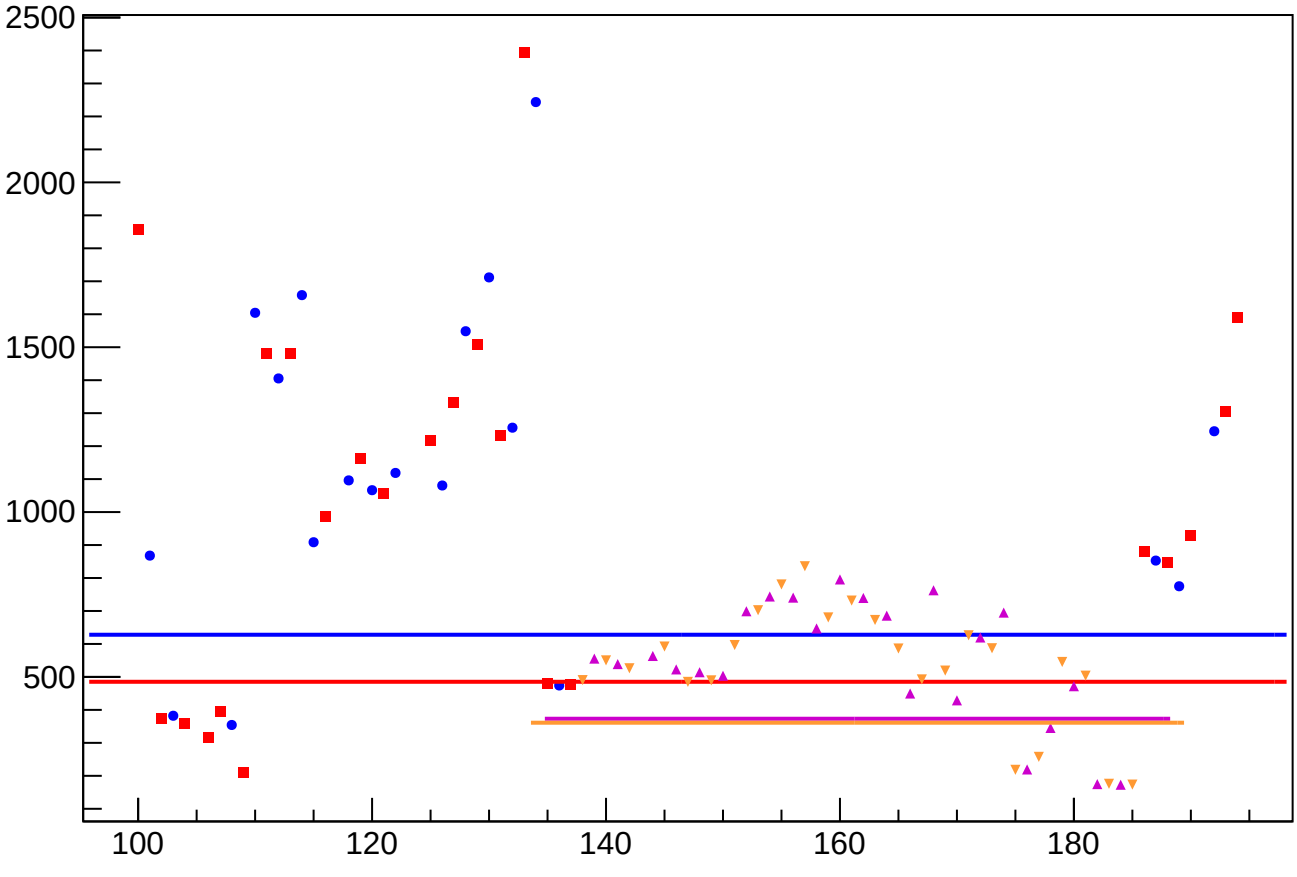
Right: -3.845+/-148.159 χ^2/NDF: 38.2/41

In: -13.296+/-92.446 χ^2/NDF:39.1/41

Out: 117.144+/-85.169 χ^2/NDF:58.7/46

All: 57.259+/-62.639 χ^2/NDF: 98.9/88

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 627.934+/-0.174 χ^2/NDF: 4437086.0/18

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 485.249+/-0.131 χ^2/NDF: 7216547.9/22

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

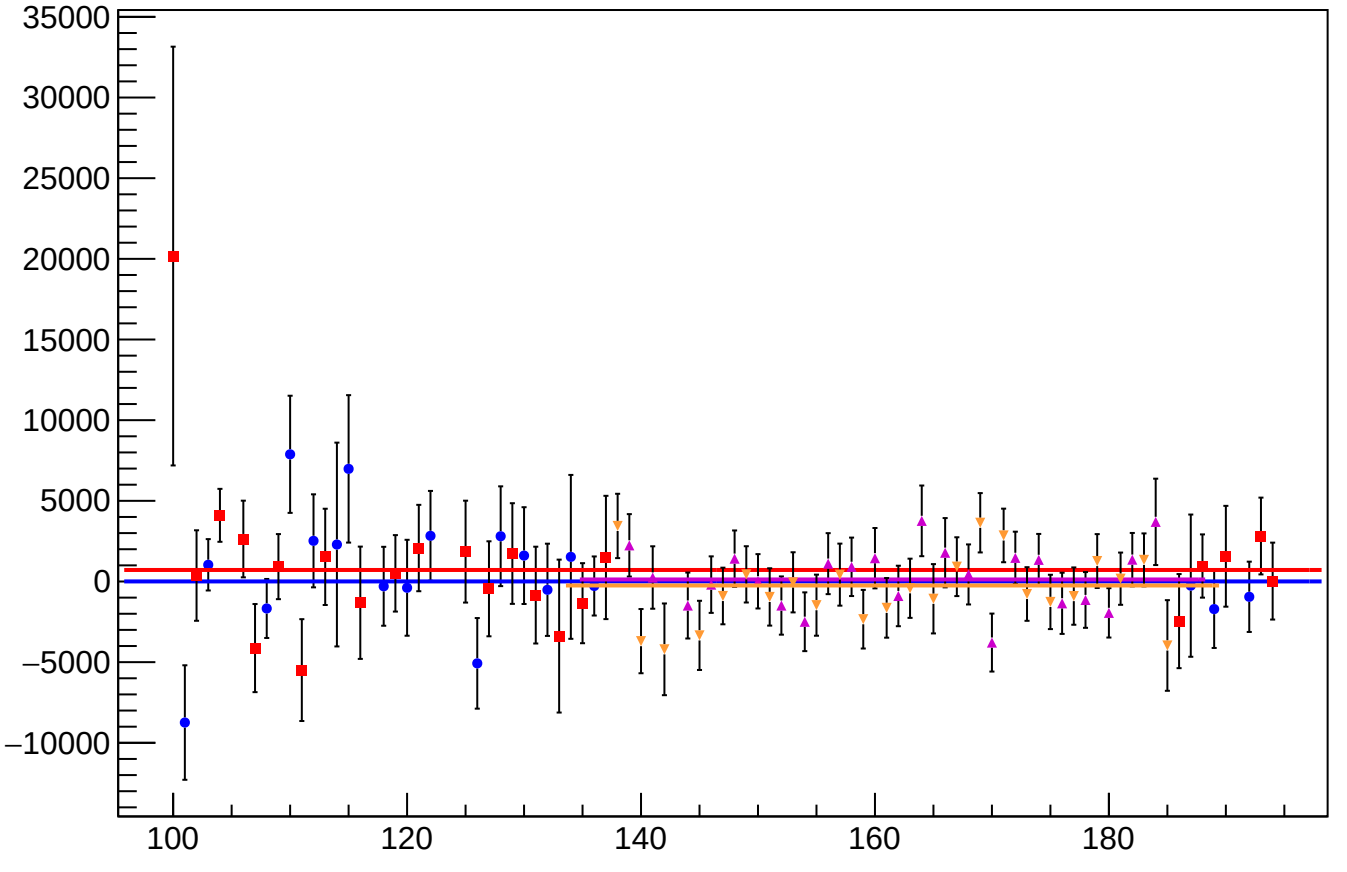
Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

Right: 536.754+/-0.105 χ^2/NDF: 12081518.5/41

In: 408.952+/-0.065 χ^2/NDF:14479192.9/41

Out: 387.319+/-0.060 χ^2/NDF:16107368.3/46

All: 397.251+/-0.044 χ^2/NDF: 30645798.8/88



Right In: 4.511+/-610.031 χ^2/NDF: 21.6/18

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: 714.216+/-557.986 χ^2/NDF: 19.2/22

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

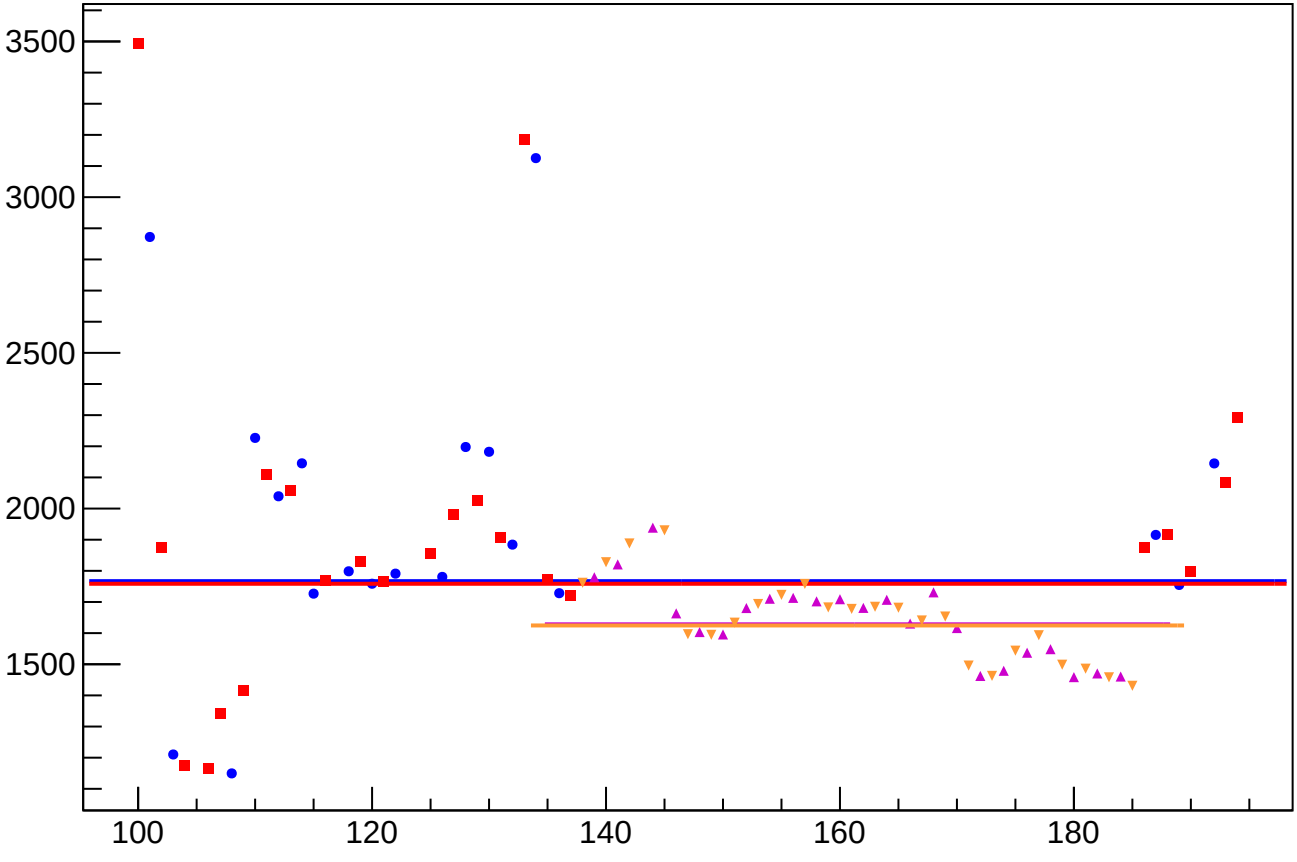
Right: 390.924+/-411.728 χ^2/NDF: 41.4/41

In: 91.951+/-323.338 χ^2/NDF:42.8/41

Out: 55.532+/-313.078 χ^2/NDF:47.2/46

All: 73.155+/-224.919 χ^2/NDF: 90.0/88

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1766.871+/-0.431 χ^2/NDF: 1011080.8/18

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

Right Out: 1758.490+/-0.395 χ^2/NDF: 935903.4/22

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

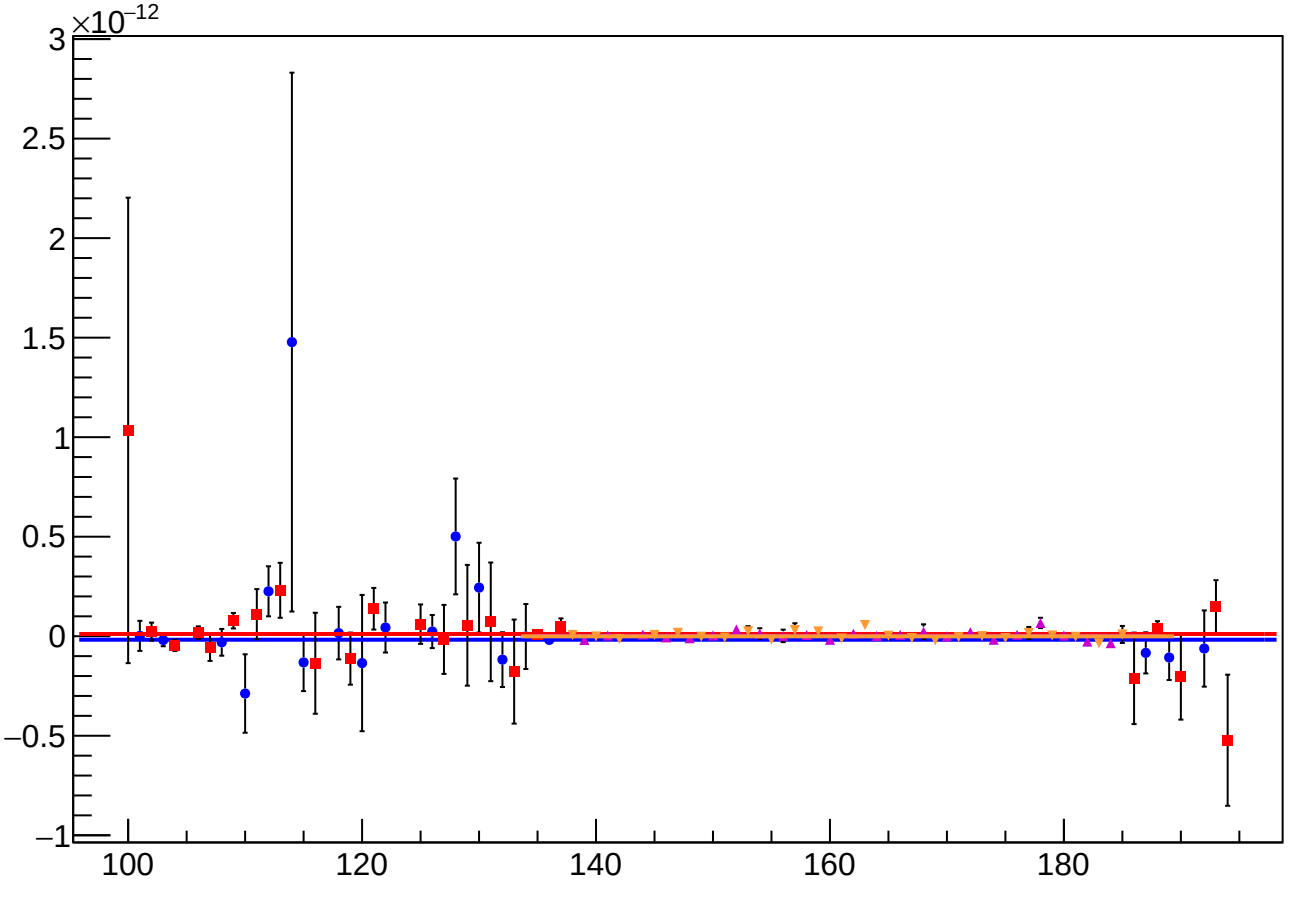
Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

Right: 1762.308+/-0.291 χ^2/NDF: 1947189.7/41

In: 1667.173+/-0.229 χ^2/NDF:1290251.9/41

Out: 1666.761+/-0.221 χ^2/NDF:1222045.7/46

All: 1666.960+/-0.159 χ^2/NDF: 2512299.2/88



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.6/22

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

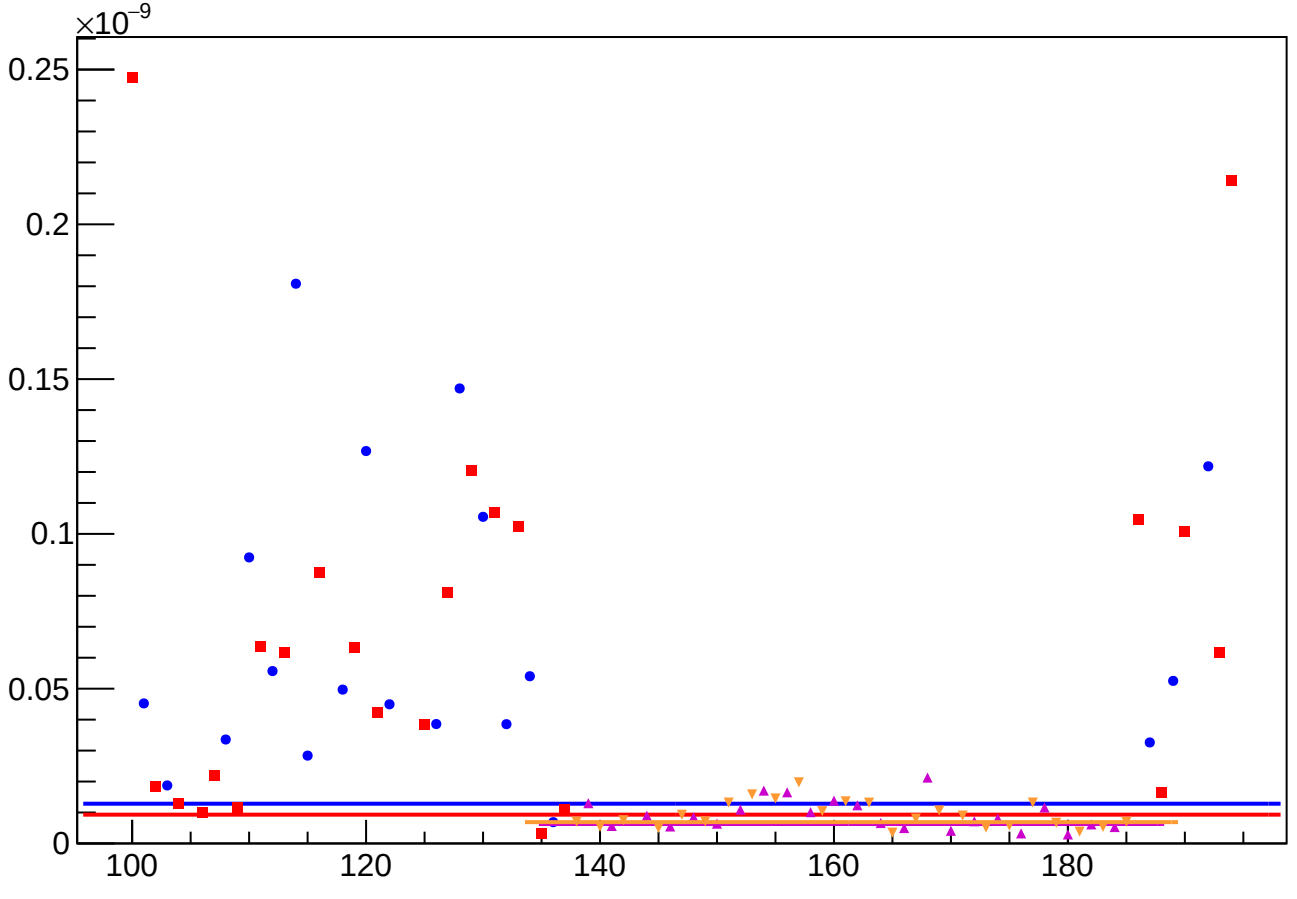
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 41.8/41

In: 0.000+/-0.000 χ^2/NDF:42.0/41

Out: 0.000+/-0.000 χ^2/NDF:47.0/46

All: 0.000+/-0.000 χ^2/NDF: 89.0/88



Right In: 0.000+/-0.000 χ^2/NDF: 4407001.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5411209.8/22

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

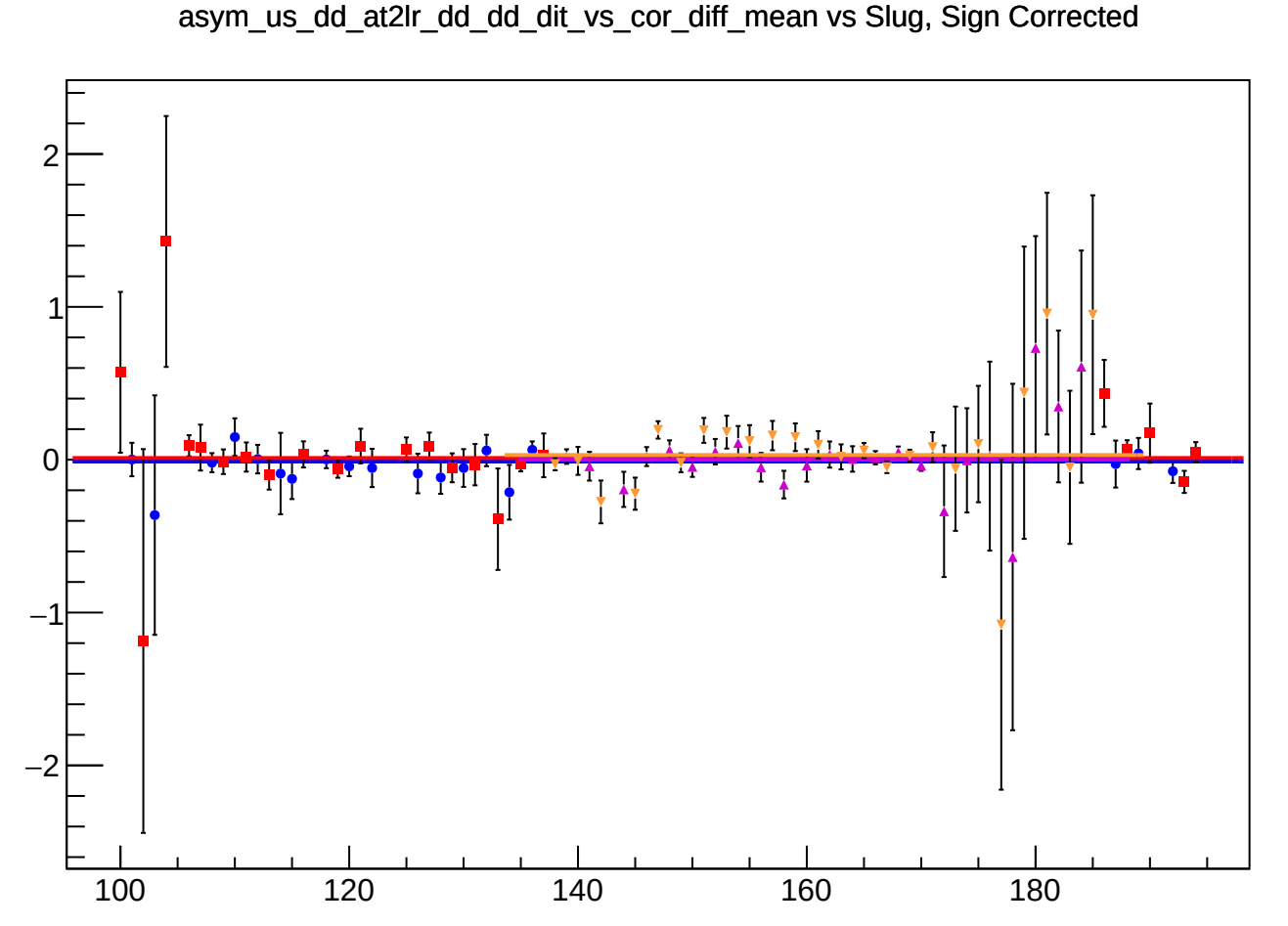
Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

Right: 0.000+/-0.000 χ^2/NDF: 9961951.9/41

In: 0.000+/-0.000 χ^2/NDF:8071485.9/41

Out: 0.000+/-0.000 χ^2/NDF:7814653.7/46

All: 0.000+/-0.000 χ^2/NDF: 15908783.9/88



Right In: -0.012+/-0.021 χ^2/NDF: 9.3/18

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.011+/-0.019 χ^2/NDF: 24.0/22

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

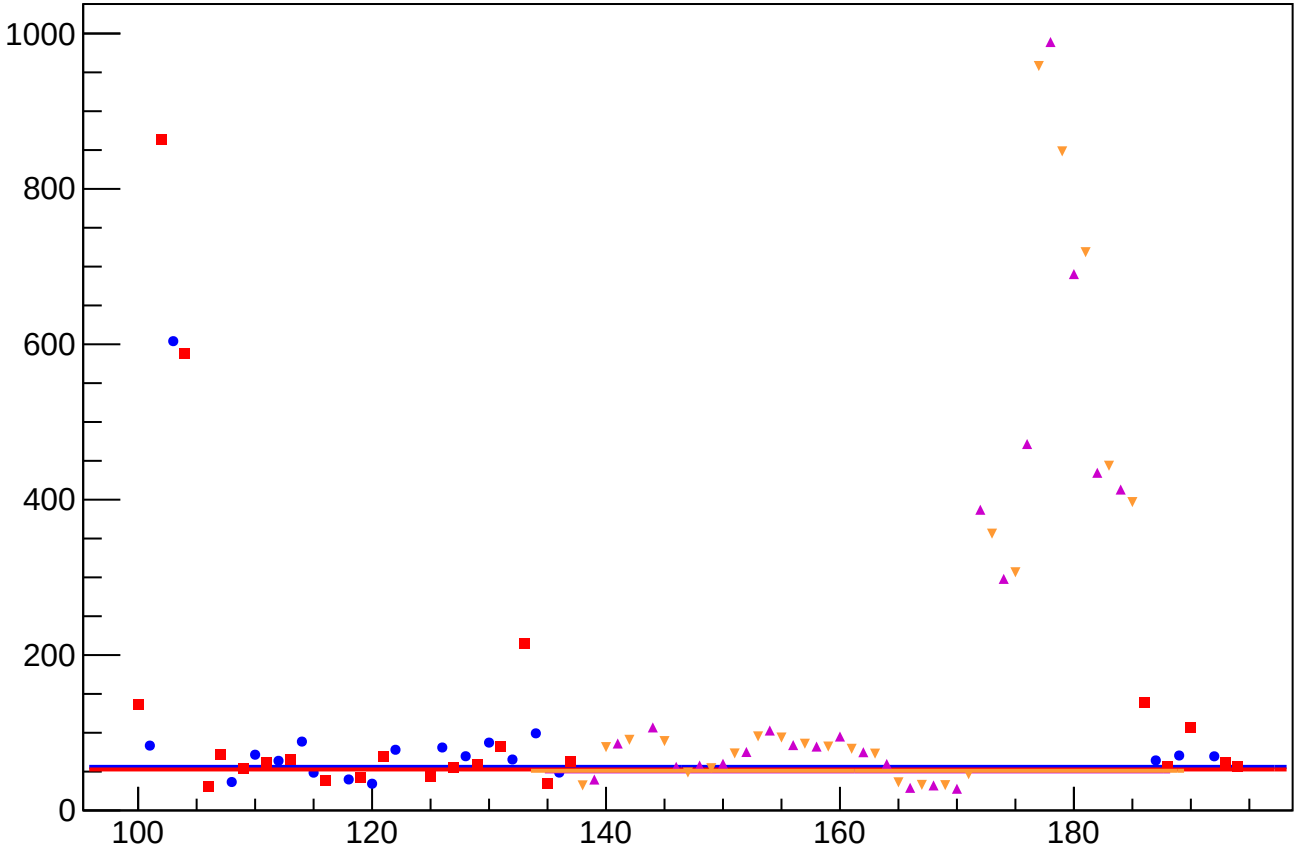
Right: 0.001+/-0.014 χ^2/NDF: 34.0/41

In: -0.003+/-0.012 χ^2/NDF:25.5/41

Out: 0.023+/-0.012 χ^2/NDF:66.2/46

All: 0.010+/-0.009 χ^2/NDF: 94.1/88

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.100+/-0.015 χ^2/NDF: 2341855.4/18

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 52.759+/-0.013 χ^2/NDF: 3568851.6/22

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

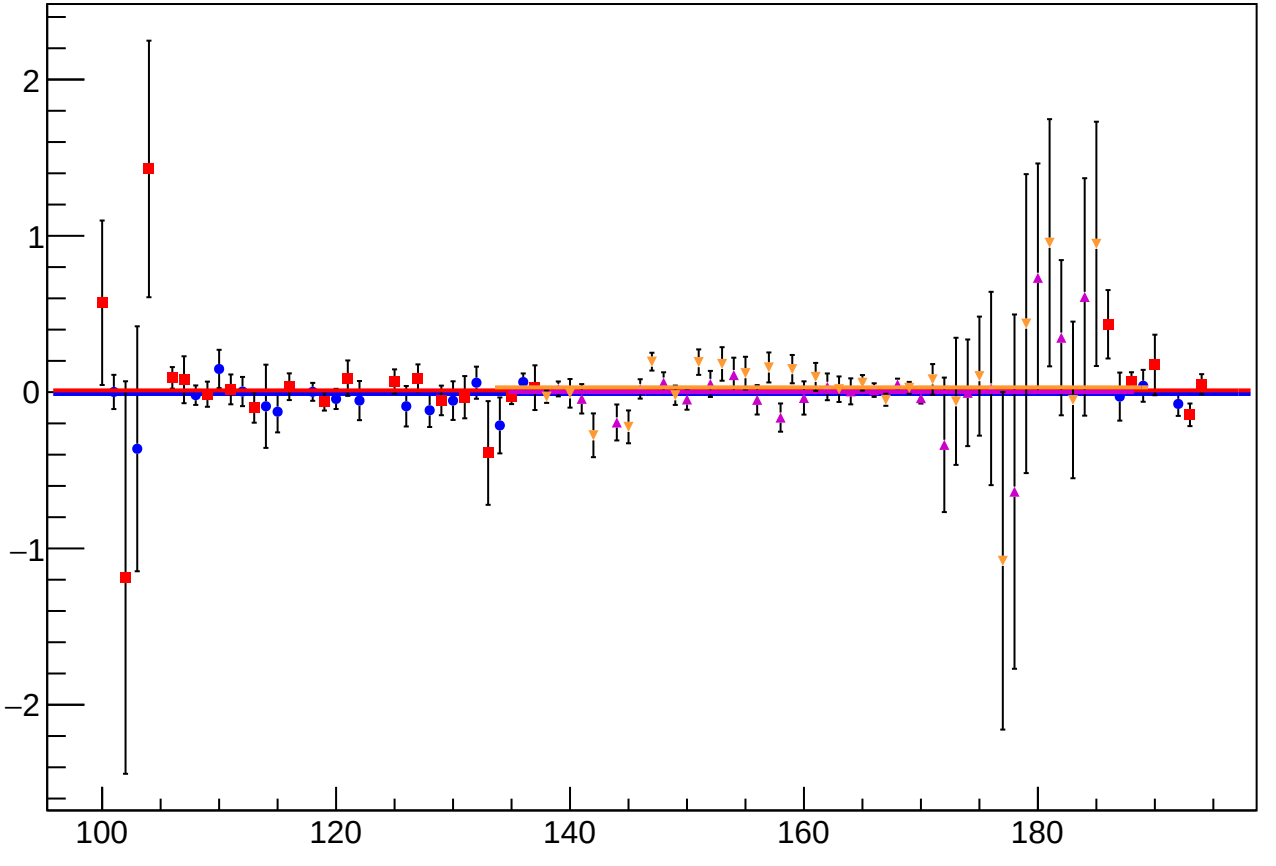
Right: 54.229+/-0.010 χ^2/NDF: 5937978.8/41

In: 52.221+/-0.009 χ^2/NDF:14636579.8/41

Out: 51.751+/-0.008 χ^2/NDF:15314890.4/46

All: 51.978+/-0.006 χ^2/NDF: 29952948.8/88

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.021 χ^2/NDF: 9.3/18

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.011+/-0.019 χ^2/NDF: 24.0/22

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

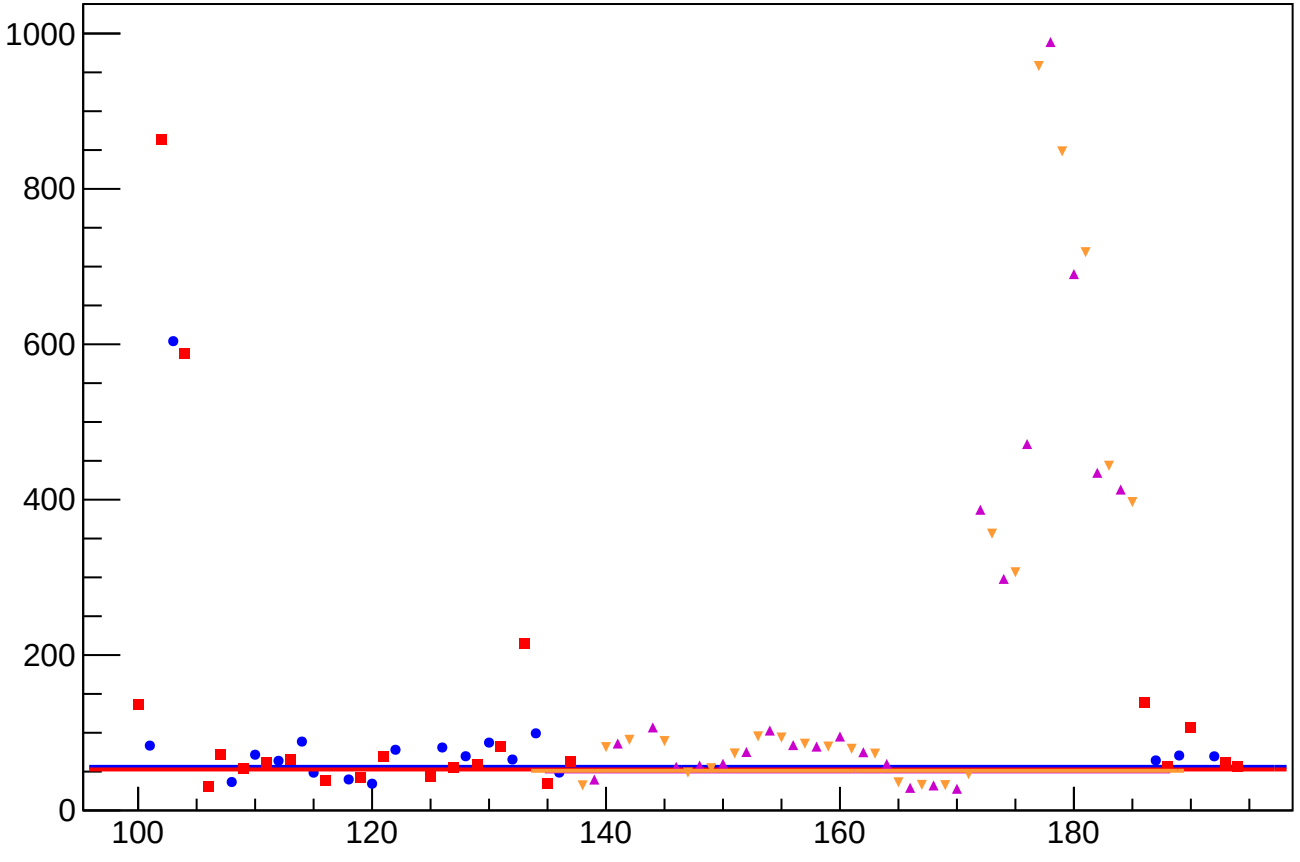
Right: 0.001+/-0.014 χ^2/NDF: 34.0/41

In: -0.003+/-0.012 χ^2/NDF:25.5/41

Out: 0.023+/-0.012 χ^2/NDF:66.2/46

All: 0.010+/-0.009 χ^2/NDF: 94.1/88

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.100+/-0.015 χ^2/NDF: 2341855.4/18

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 52.759+/-0.013 χ^2/NDF: 3568851.6/22

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

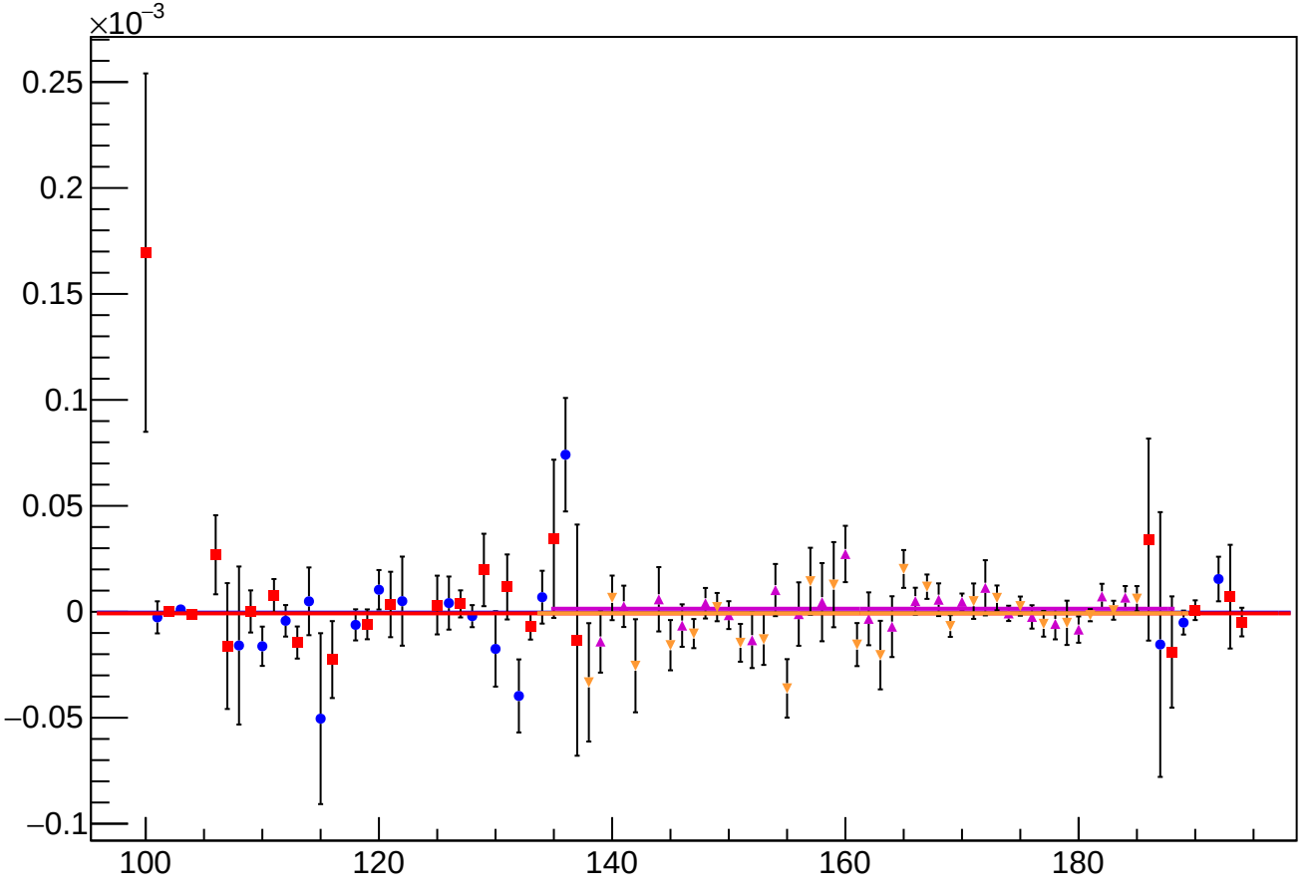
Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

Right: 54.229+/-0.010 χ^2/NDF: 5937978.8/41

In: 52.221+/-0.009 χ^2/NDF:14636579.8/41

Out: 51.751+/-0.008 χ^2/NDF:15314890.4/46

All: 51.978+/-0.006 χ^2/NDF: 29952948.8/88



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/22

Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

Left: 0.000+/-0.000 χ^2/NDF: 56.0/46

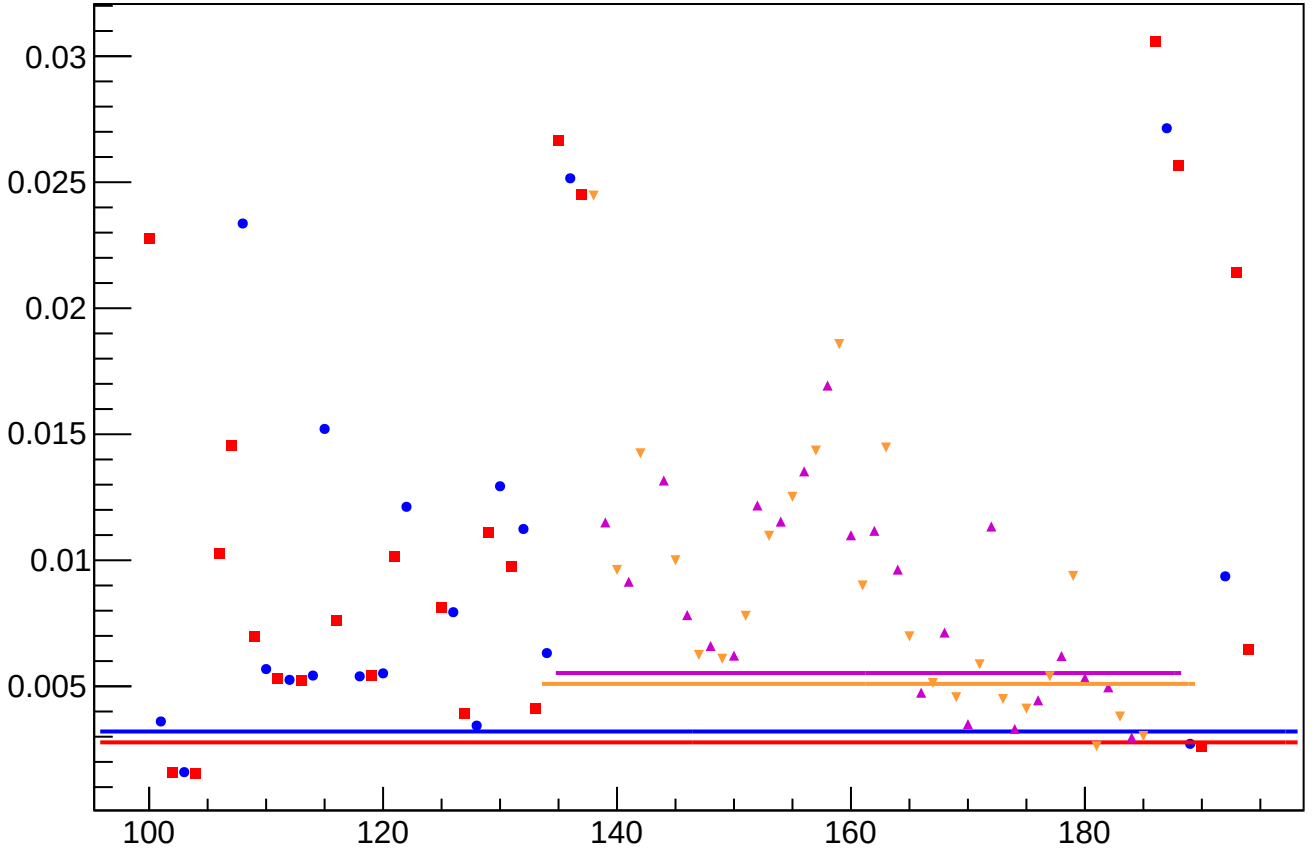
Right: -0.000+/-0.000 χ^2/NDF: 44.6/41

In: 0.000+/-0.000 χ^2/NDF:42.3/41

Out: -0.000+/-0.000 χ^2/NDF:57.9/46

All: -0.000+/-0.000 χ^2/NDF: 101.0/88

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 6784027.1/18

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10260830.6/22

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

Left: 0.005+/-0.000 χ^2/NDF: 15361726.2/46

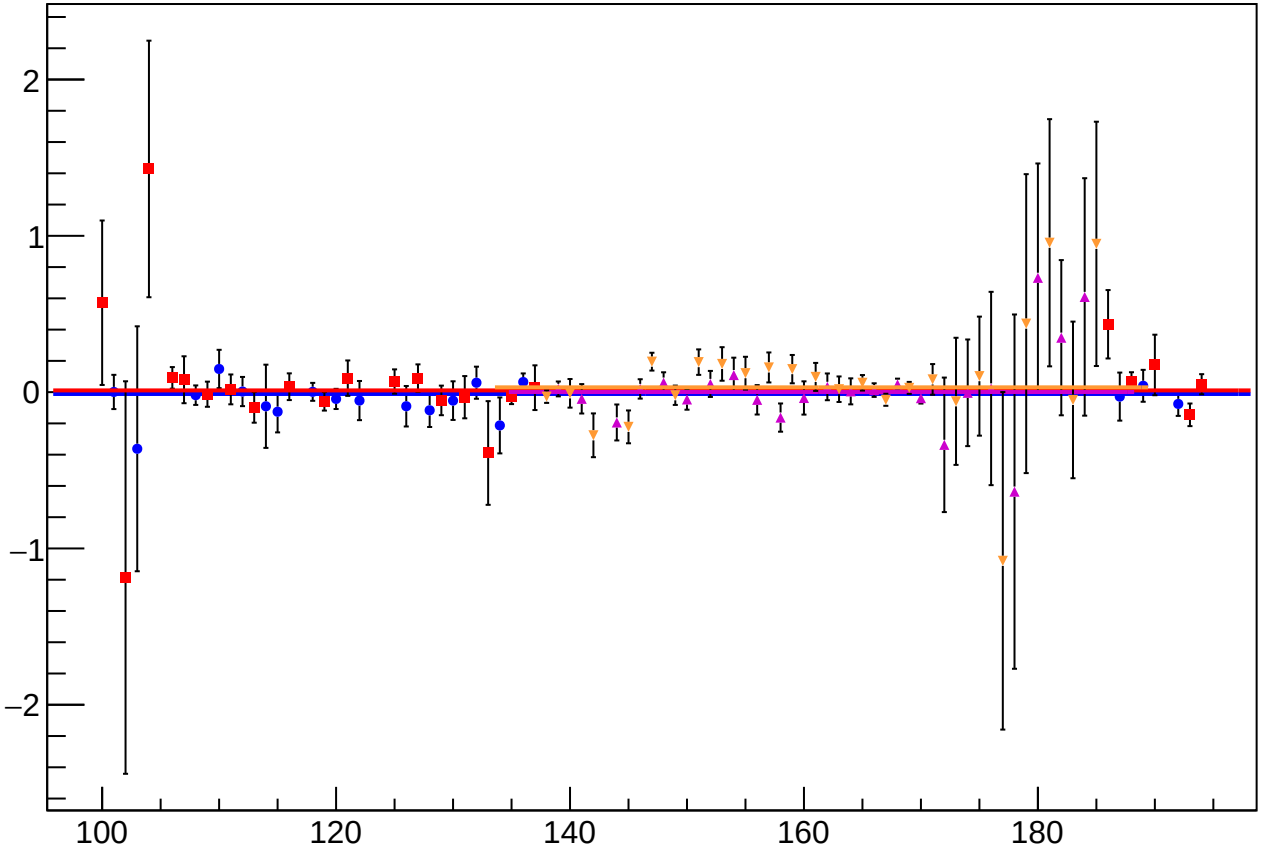
Right: 0.003+/-0.000 χ^2/NDF: 17142430.6/41

In: 0.004+/-0.000 χ^2/NDF:15989261.3/41

Out: 0.004+/-0.000 χ^2/NDF:21825263.8/46

All: 0.004+/-0.000 χ^2/NDF: 38206292.8/88

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.021 χ^2/NDF: 9.3/18

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.011+/-0.019 χ^2/NDF: 24.0/22

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

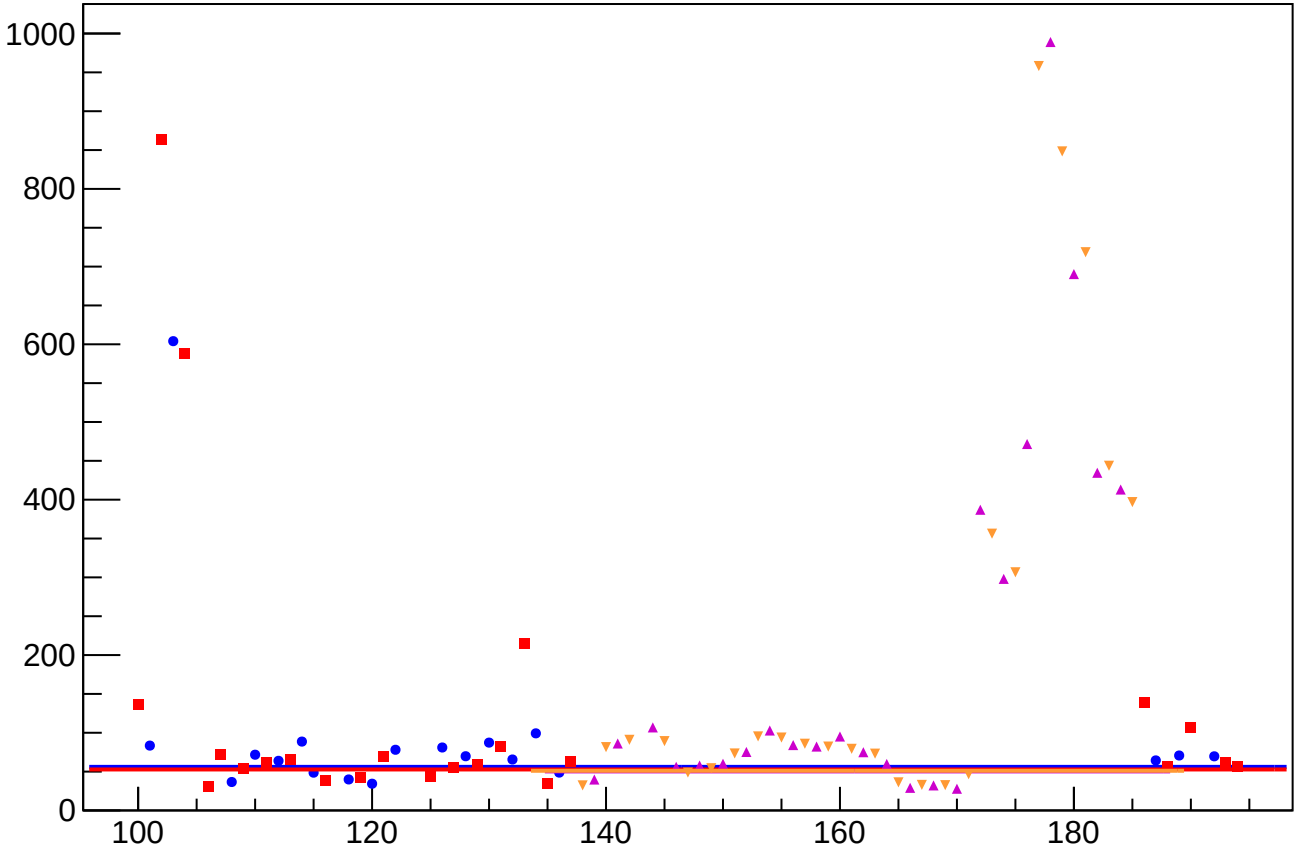
Right: 0.001+/-0.014 χ^2/NDF: 34.0/41

In: -0.003+/-0.012 χ^2/NDF:25.5/41

Out: 0.023+/-0.012 χ^2/NDF:66.2/46

All: 0.010+/-0.009 χ^2/NDF: 94.1/88

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.103+/-0.015 χ^2/NDF: 2341399.3/18

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 52.761+/-0.013 χ^2/NDF: 3568521.9/22

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

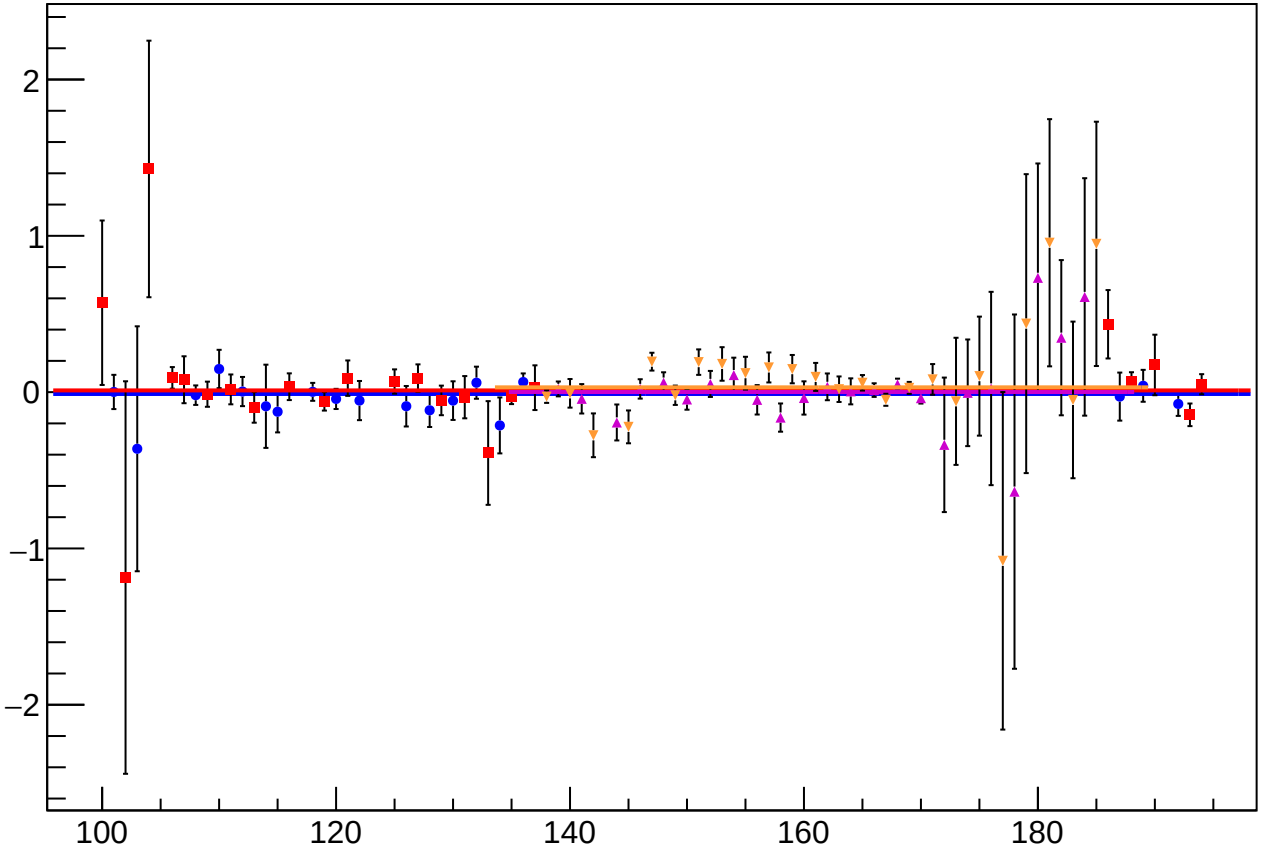
Right: 54.231+/-0.010 χ^2/NDF: 5937209.6/41

In: 52.222+/-0.009 χ^2/NDF:14636161.0/41

Out: 51.754+/-0.008 χ^2/NDF:15313723.3/46

All: 51.979+/-0.006 χ^2/NDF: 29951354.8/88

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.021 χ^2/NDF: 9.3/18

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.011+/-0.019 χ^2/NDF: 24.0/22

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

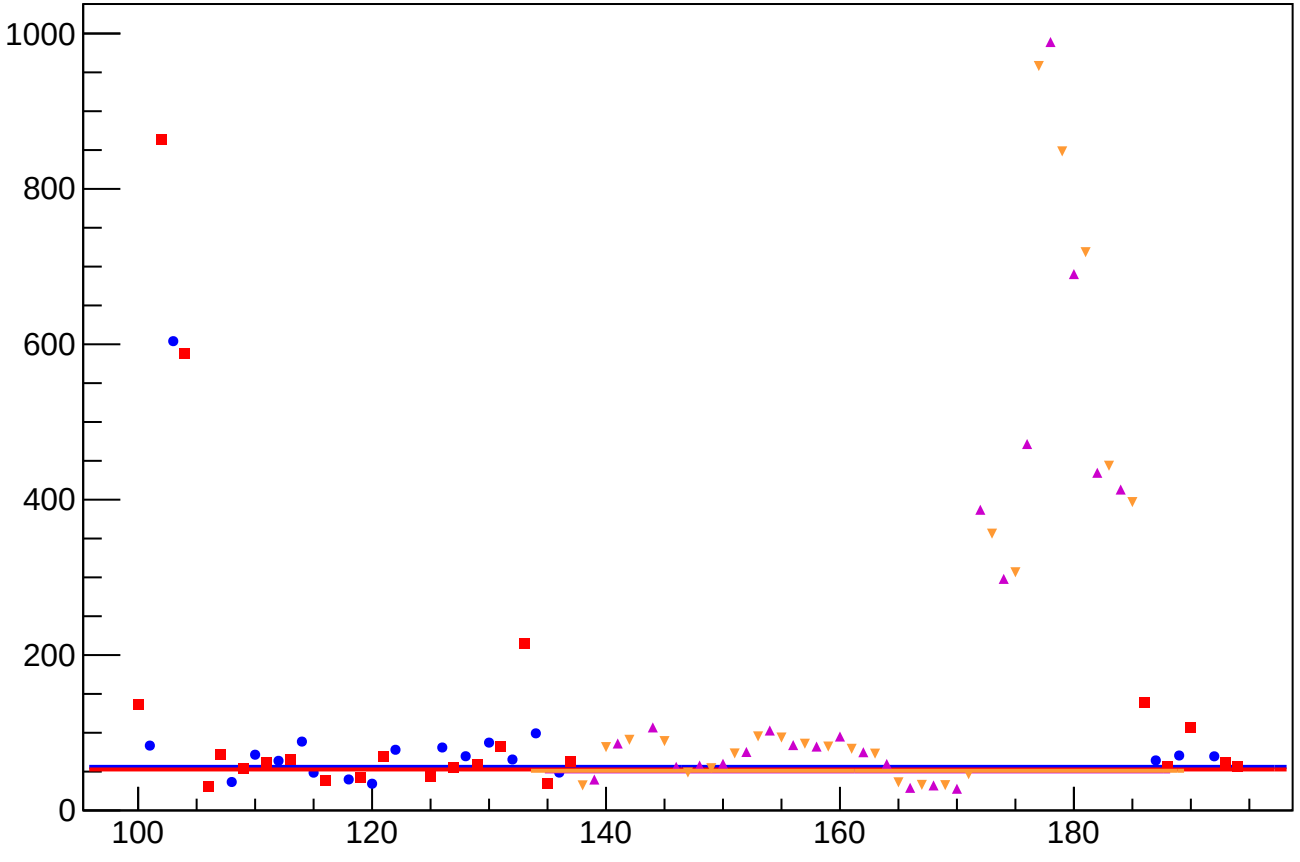
Right: 0.001+/-0.014 χ^2/NDF: 34.0/41

In: -0.003+/-0.012 χ^2/NDF:25.5/41

Out: 0.023+/-0.012 χ^2/NDF:66.2/46

All: 0.010+/-0.009 χ^2/NDF: 94.1/88

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.103+/-0.015 χ^2/NDF: 2341399.3/18

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 52.761+/-0.013 χ^2/NDF: 3568521.9/22

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

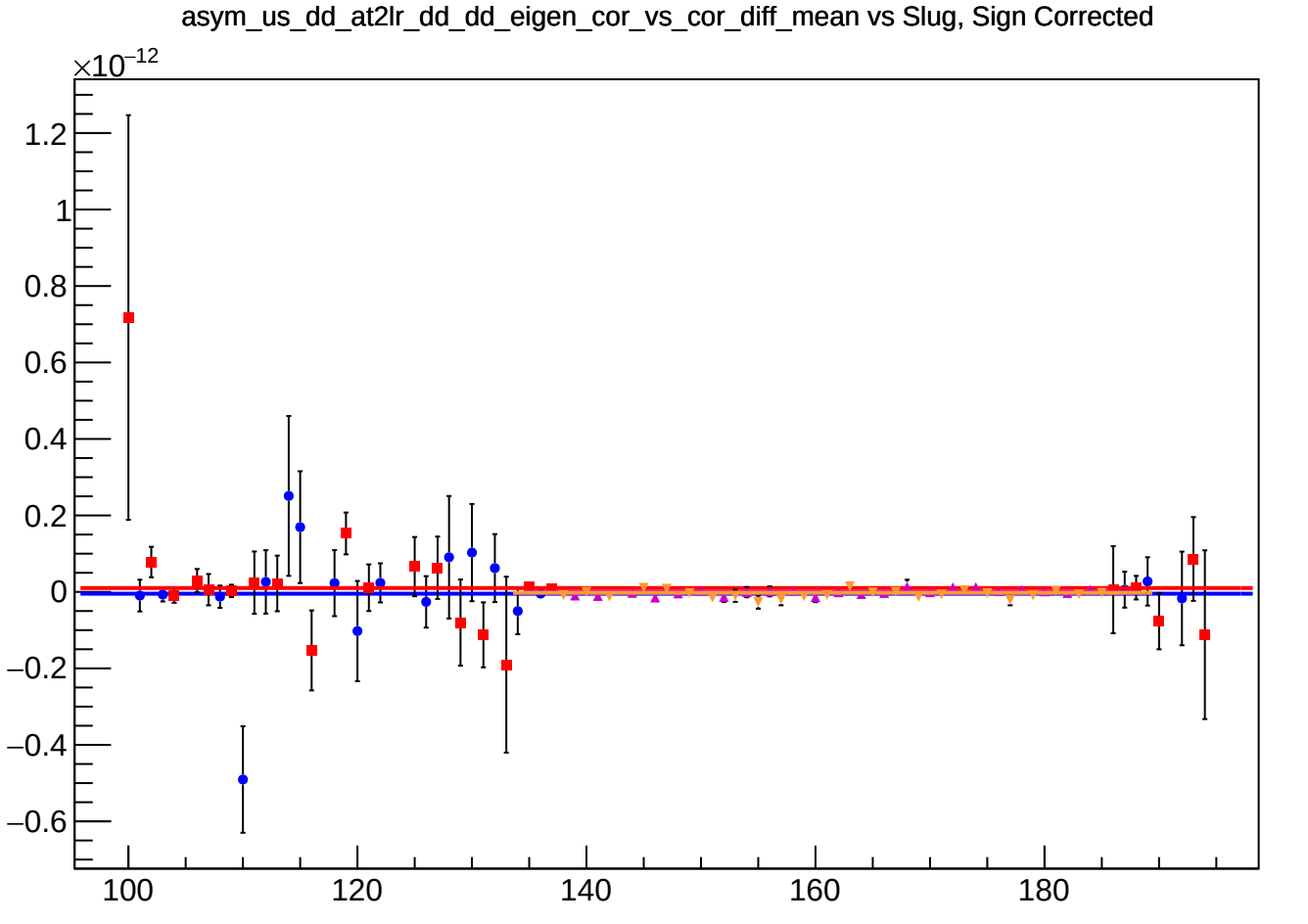
Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

Right: 54.231+/-0.010 χ^2/NDF: 5937209.6/41

In: 52.222+/-0.009 χ^2/NDF:14636161.0/41

Out: 51.754+/-0.008 χ^2/NDF:15313723.3/46

All: 51.979+/-0.006 χ^2/NDF: 29951354.8/88



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/22

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

Left: -0.000+/-0.000 χ^2/NDF: 41.4/46

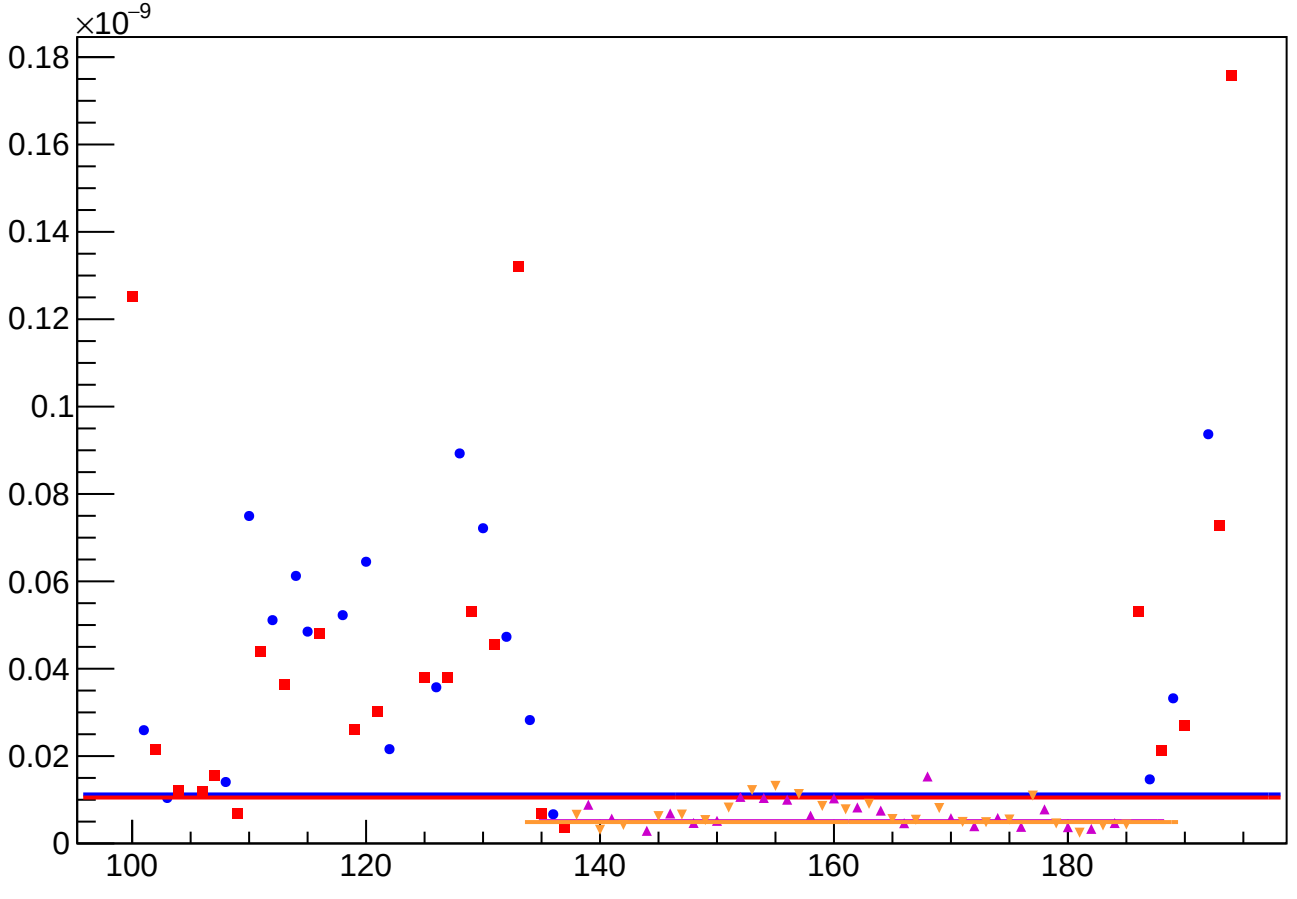
Right: 0.000+/-0.000 χ^2/NDF: 43.8/41

In: -0.000+/-0.000 χ^2/NDF:37.5/41

Out: -0.000+/-0.000 χ^2/NDF:48.2/46

All: -0.000+/-0.000 χ^2/NDF: 86.1/88

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5731706.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6474085.3/22

Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

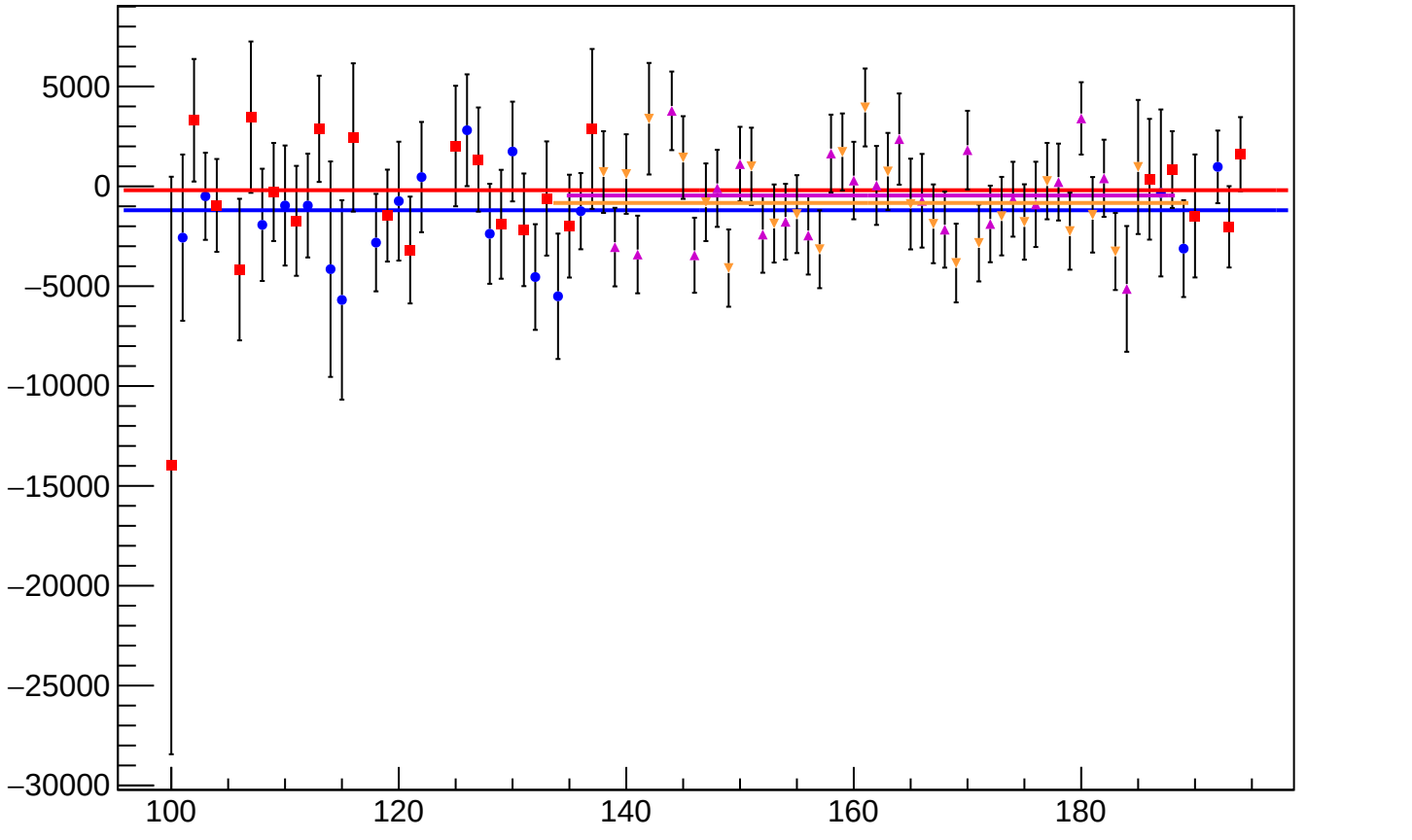
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

Right: 0.000+/-0.000 χ^2/NDF: 12217549.9/41

In: 0.000+/-0.000 χ^2/NDF:11079689.8/41

Out: 0.000+/-0.000 χ^2/NDF:12300261.8/46

All: 0.000+/-0.000 χ^2/NDF: 23400585.3/88



Right In: -1198.642+/-615.930 χ^2/NDF: 11.5/18

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: -194.680+/-562.955 χ^2/NDF: 13.3/22

Left In: -459.594+/-413.637 χ^2/NDF:27.3/22

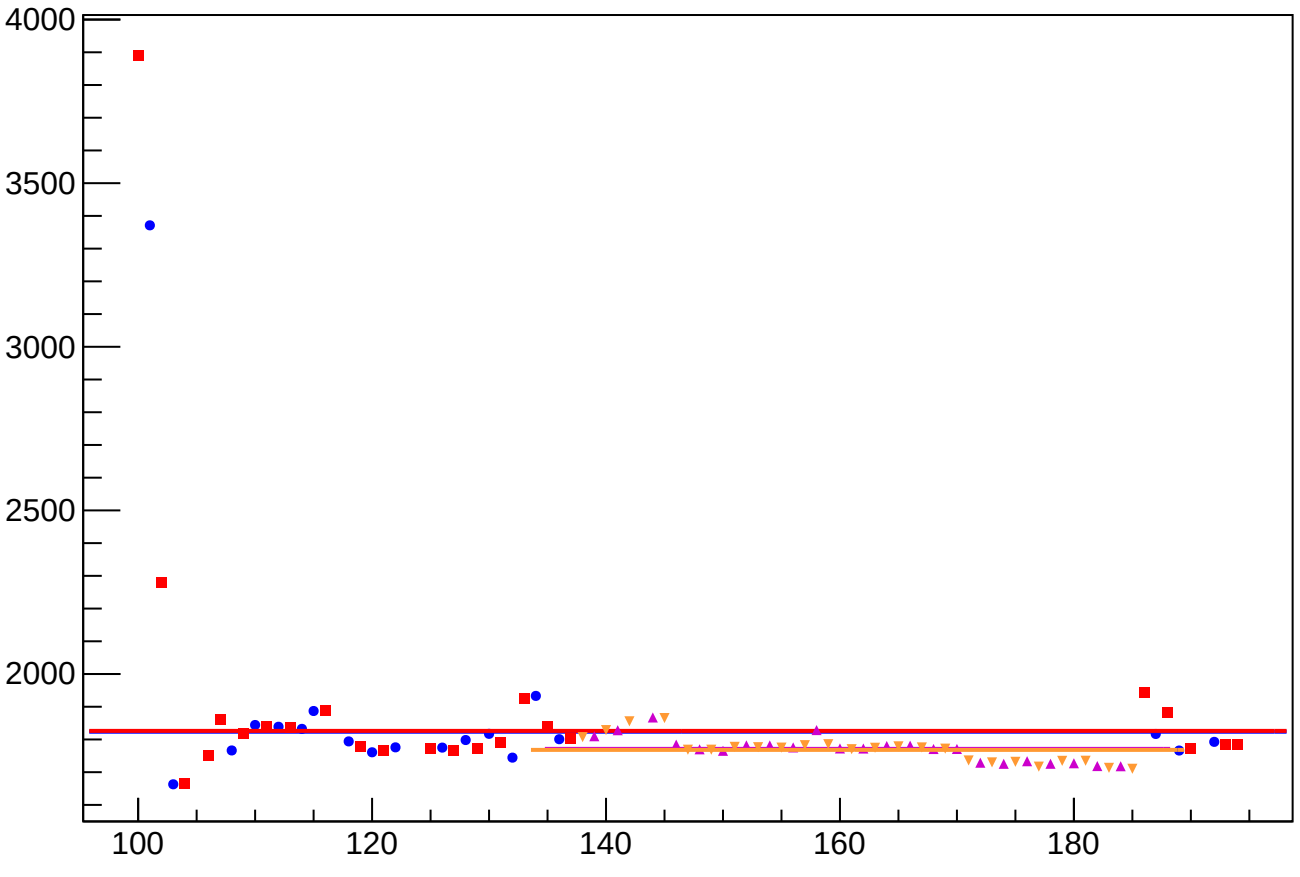
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -651.637+/-415.538 χ^2/NDF: 26.3/41

In: -689.305+/-343.389 χ^2/NDF:39.7/41

Out: -611.180+/-331.656 χ^2/NDF:39.6/46

All: -648.885+/-238.556 χ^2/NDF: 79.3/88



Right In: 1823.666+/-0.436 χ^2/NDF: 297514.1/18

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1826.199+/-0.398 χ^2/NDF: 110232.0/22

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

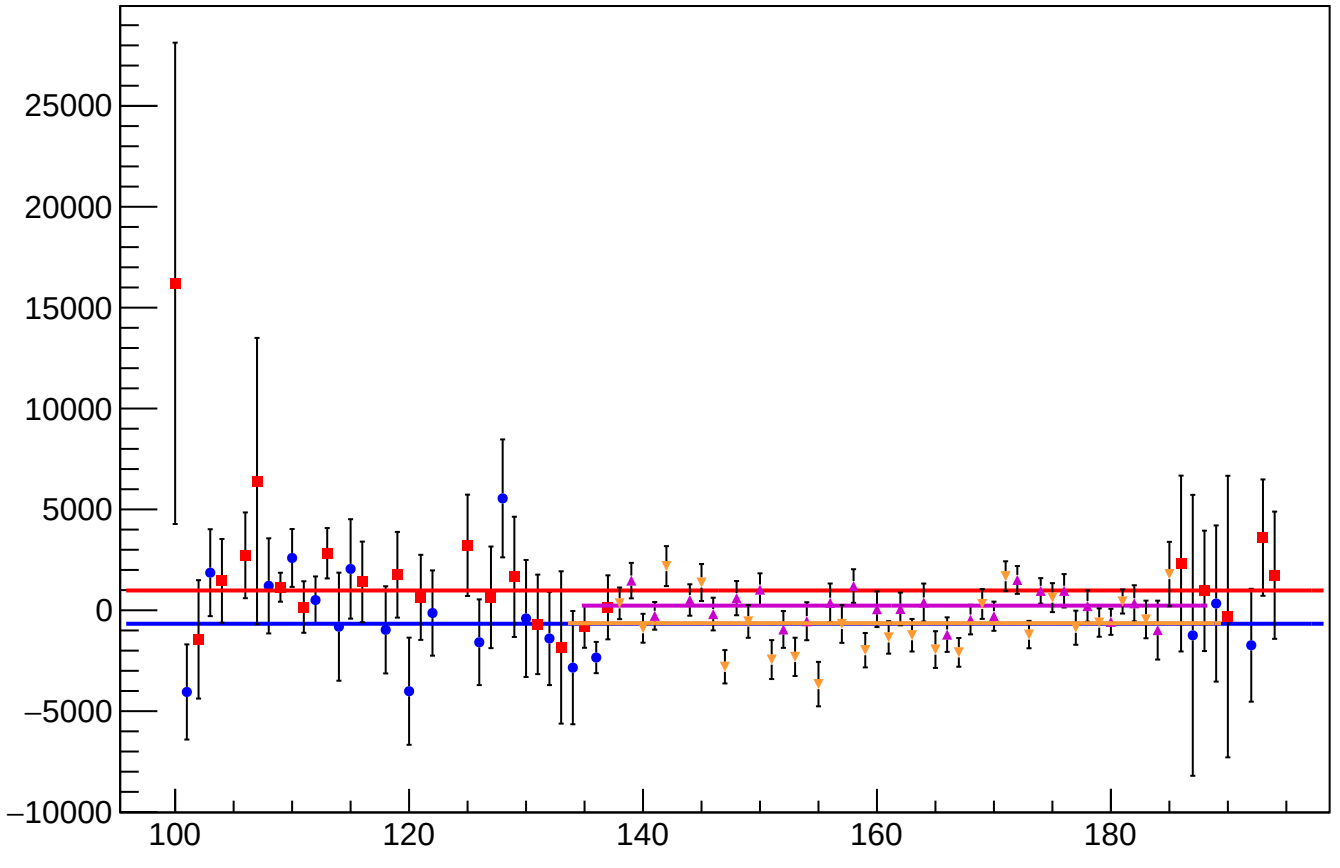
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1825.046+/-0.294 χ^2/NDF: 407764.6/41

In: 1787.520+/-0.243 χ^2/NDF:323934.6/41

Out: 1788.282+/-0.235 χ^2/NDF:140486.8/46

All: 1787.914+/-0.169 χ^2/NDF: 464426.6/88



Right In: -667.778+/-433.120 χ^2/NDF: 23.4/18

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: 981.731+/-381.604 χ^2/NDF: 12.6/22

Left In: 230.653+/-168.319 χ^2/NDF:19.9/22

Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

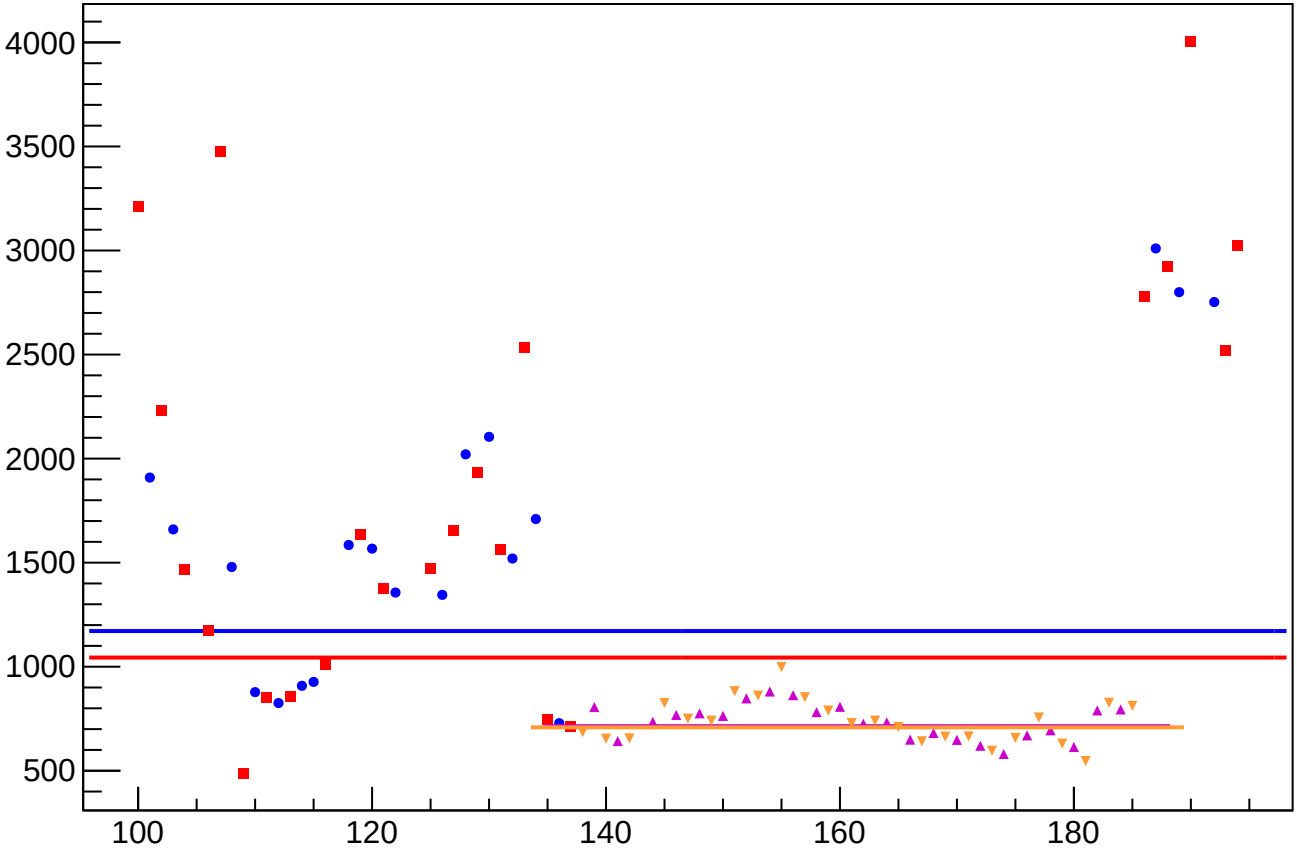
Right: 260.862+/-286.325 χ^2/NDF: 44.2/41

In: 112.770+/-156.889 χ^2/NDF:47.1/41

Out: -381.640+/-152.567 χ^2/NDF:94.5/46

All: -141.337+/-109.377 χ^2/NDF: 146.7/88

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1171.338+/-0.306 χ^2/NDF: 3057960.0/18

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1043.899+/-0.270 χ^2/NDF: 6007112.8/22

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

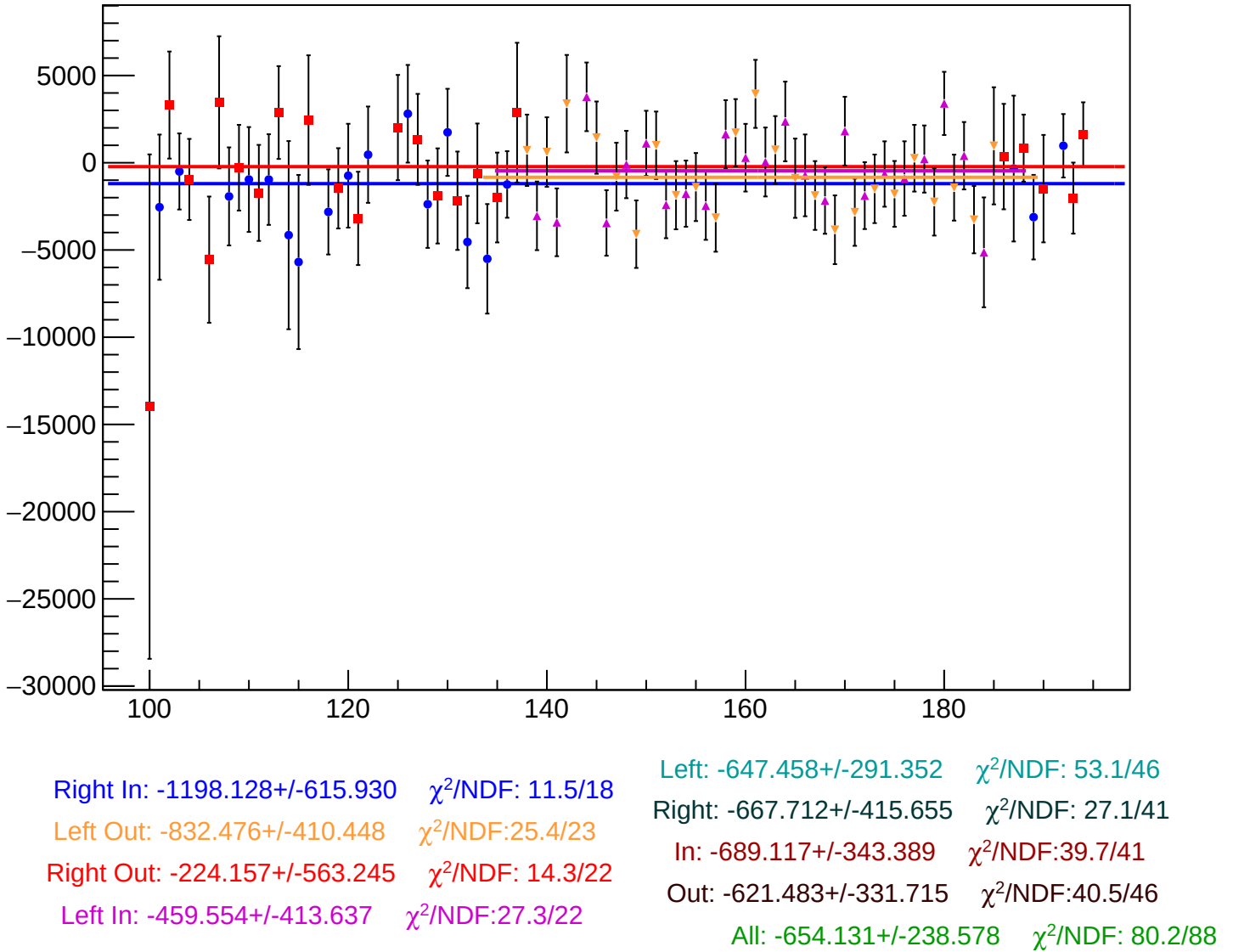
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

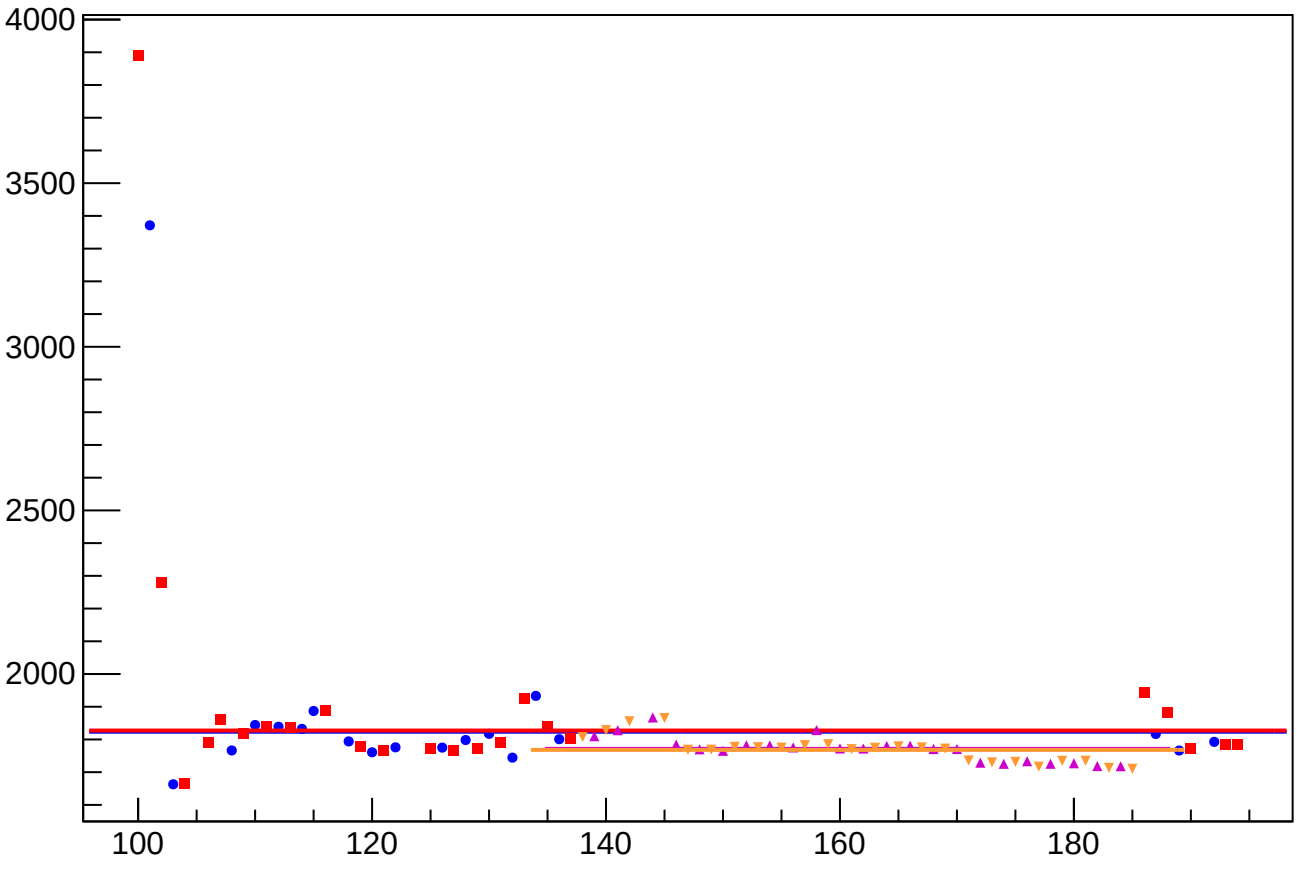
Right: 1099.592+/-0.202 χ^2/NDF: 9162552.4/41

In: 774.148+/-0.111 χ^2/NDF:5491163.1/41

Out: 762.114+/-0.108 χ^2/NDF:8005604.0/46

All: 767.963+/-0.077 χ^2/NDF: 13502815.0/88


cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
120
140
160
180
Right In: -1198.128+/-615.930 χ²/NDF: 11.5/18
Left Out: -832.476+/-410.448 χ²/NDF:25.4/23
Right Out: -224.157+/-563.245 χ²/NDF: 14.3/22
Left In: -459.554+/-413.637 χ²/NDF:27.3/22
Left: -647.458+/-291.352 χ²/NDF: 53.1/46
Right: -667.712+/-415.655 χ²/NDF: 27.1/41
In: -689.117+/-343.389 χ²/NDF:39.7/41
Out: -621.483+/-331.715 χ²/NDF:40.5/46
All: -654.131+/-238.578 χ²/NDF: 80.2/88



Right In: 1823.666+/-0.436 χ^2/NDF: 297516.0/18

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1827.267+/-0.398 χ^2/NDF: 109499.2/22

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

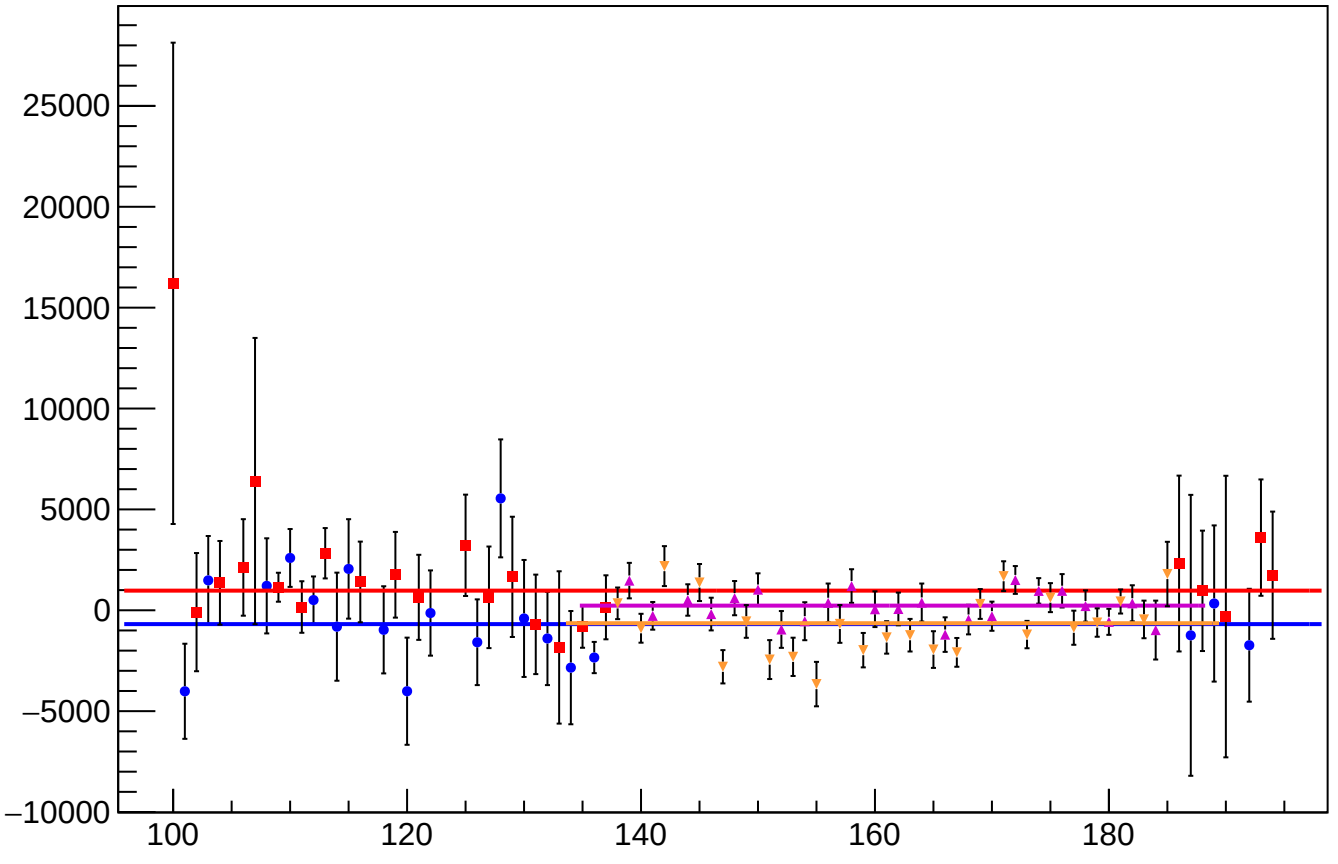
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1825.627+/-0.294 χ^2/NDF: 407052.5/41

In: 1787.520+/-0.243 χ^2/NDF:323936.5/41

Out: 1788.639+/-0.235 χ^2/NDF:140260.2/46

All: 1788.099+/-0.169 χ^2/NDF: 464207.7/88



Right In: -685.637+/-433.468 χ^2/NDF: 23.0/18

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 973.867+/-382.874 χ^2/NDF: 11.6/22

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

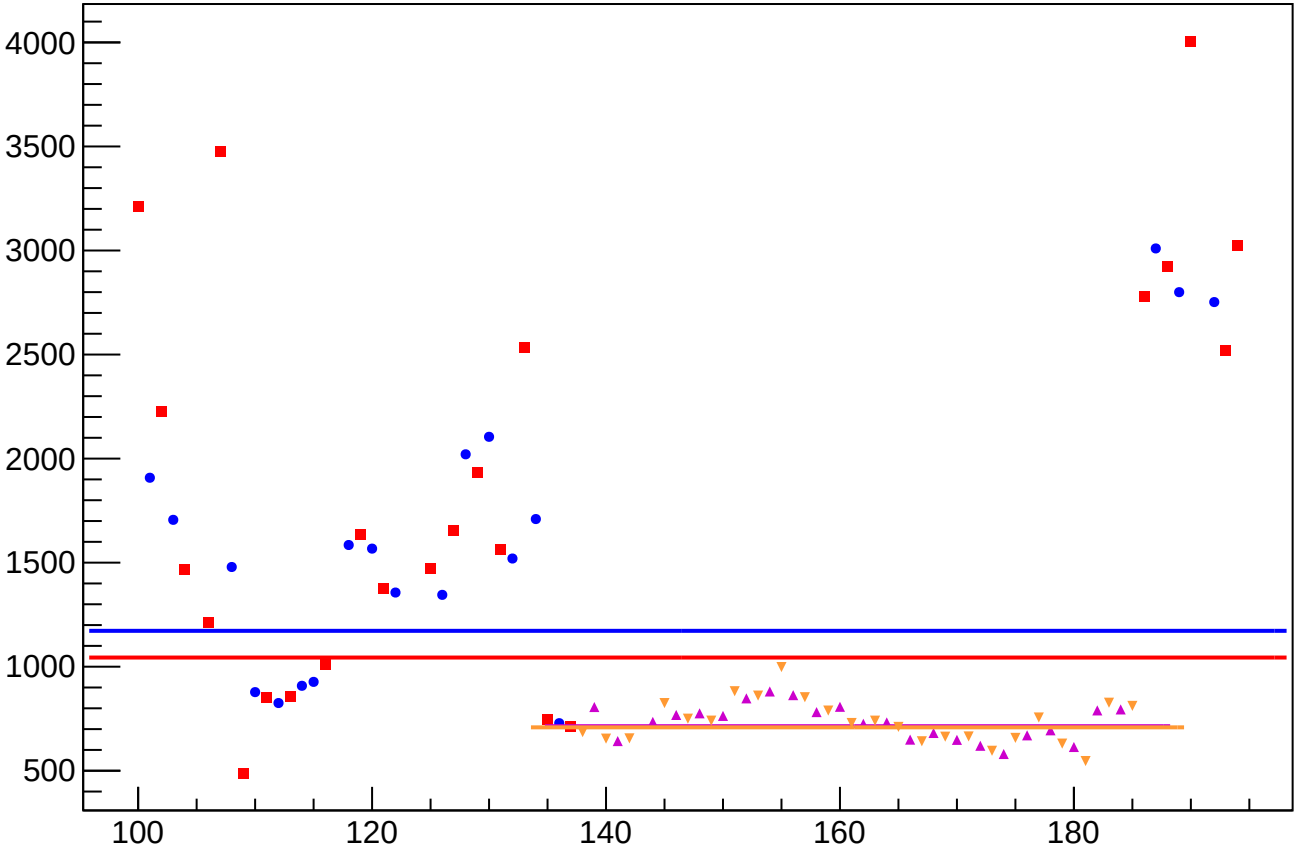
Right: 246.571+/-286.961 χ^2/NDF: 42.8/41

In: 110.523+/-156.906 χ^2/NDF:46.8/41

Out: -384.311+/-152.649 χ^2/NDF:93.2/46

All: -143.698+/-109.413 χ^2/NDF: 145.1/88

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1172.330+/-0.307 χ^2/NDF: 3072904.8/18

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1043.979+/-0.271 χ^2/NDF: 6008353.9/22

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

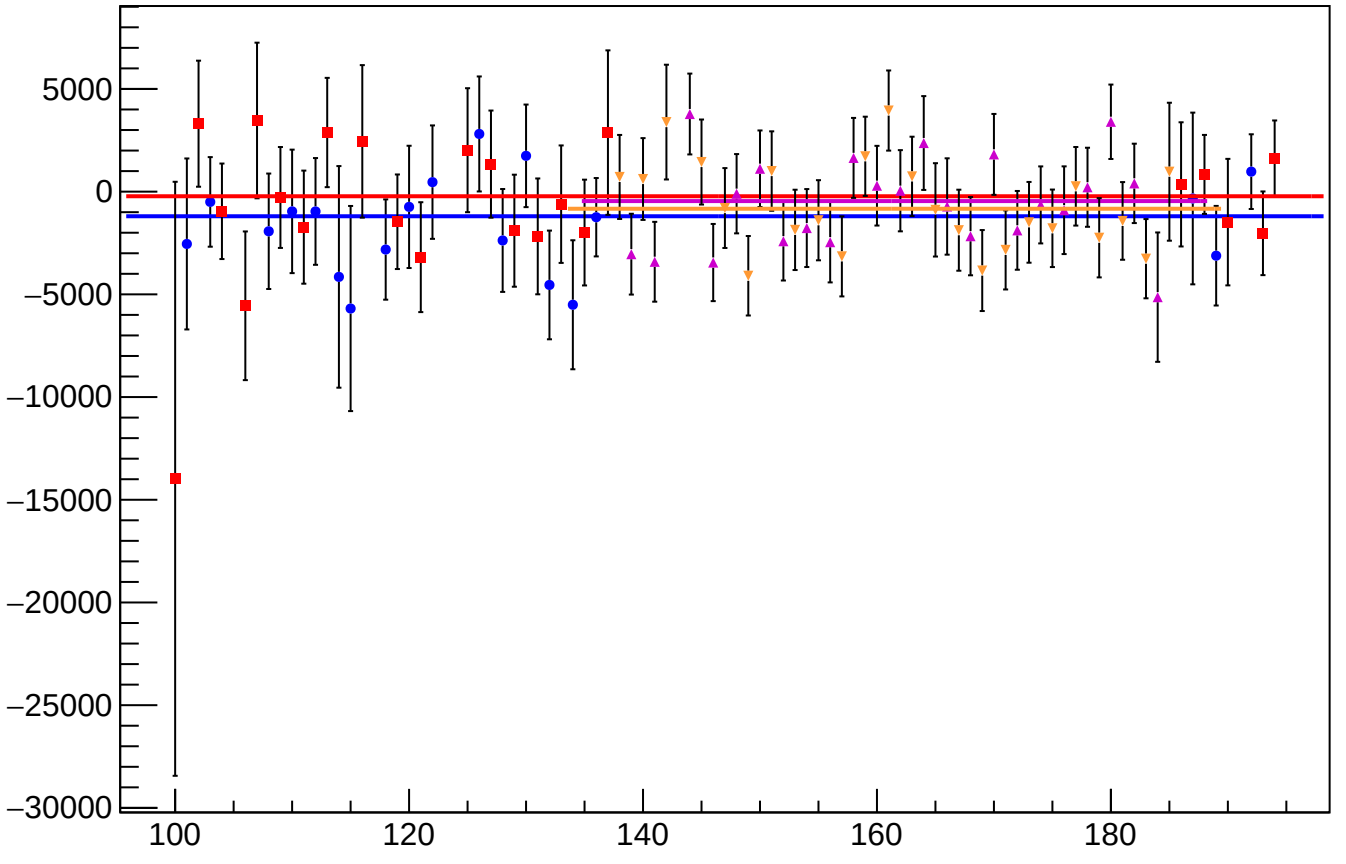
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1100.230+/-0.203 χ^2/NDF: 9179762.0/41

In: 774.200+/-0.111 χ^2/NDF:5511754.3/41

Out: 761.833+/-0.108 χ^2/NDF:8000153.2/46

All: 767.847+/-0.077 χ^2/NDF: 13518290.5/88



Right In: -1198.128+/-615.930 χ^2/NDF: 11.5/18

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -224.157+/-563.245 χ^2/NDF: 14.3/22

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

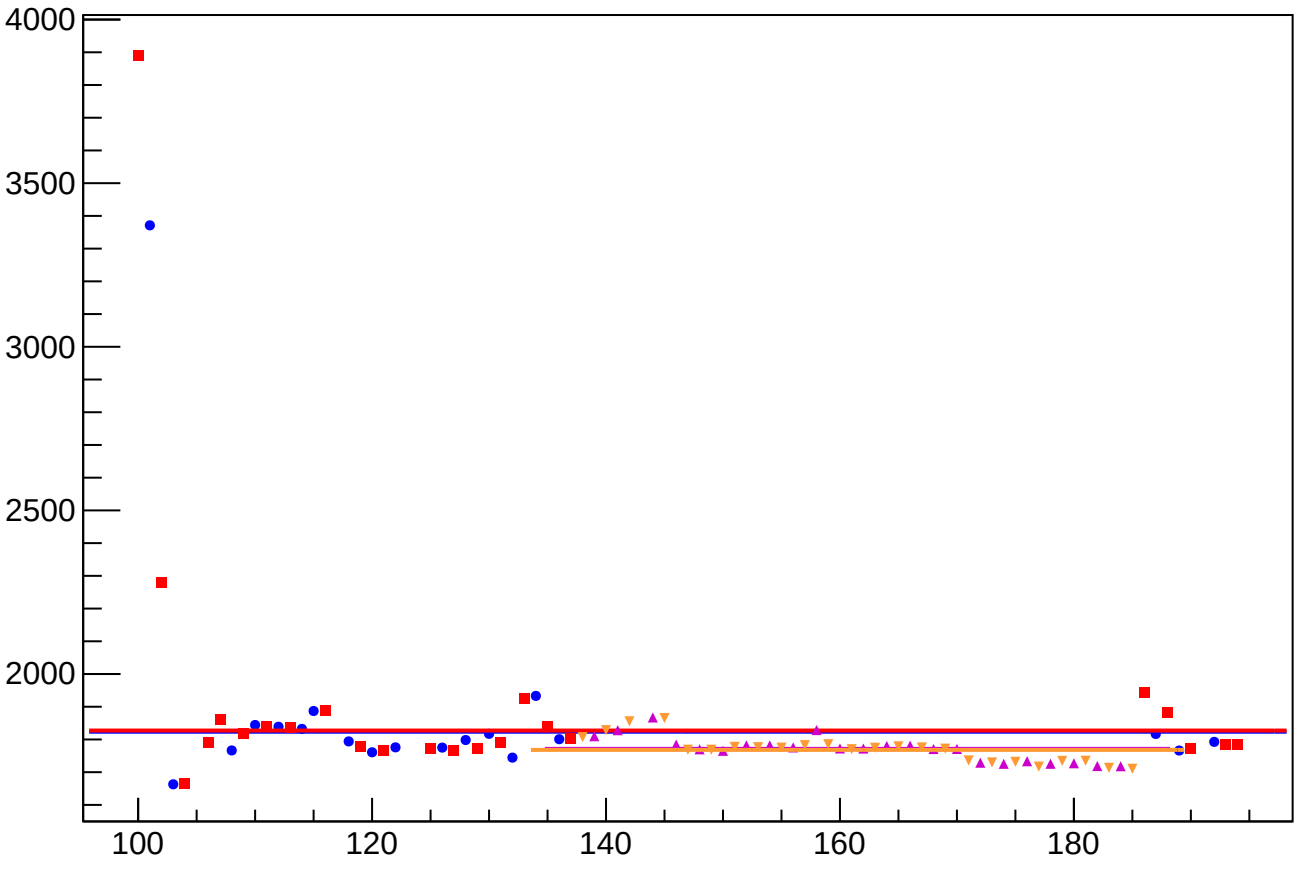
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -667.712+/-415.655 χ^2/NDF: 27.1/41

In: -689.117+/-343.389 χ^2/NDF:39.7/41

Out: -621.483+/-331.715 χ^2/NDF:40.5/46

All: -654.131+/-238.578 χ^2/NDF: 80.2/88



Right In: 1823.666+/-0.436 χ^2/NDF: 297516.0/18

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1827.267+/-0.398 χ^2/NDF: 109499.2/22

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

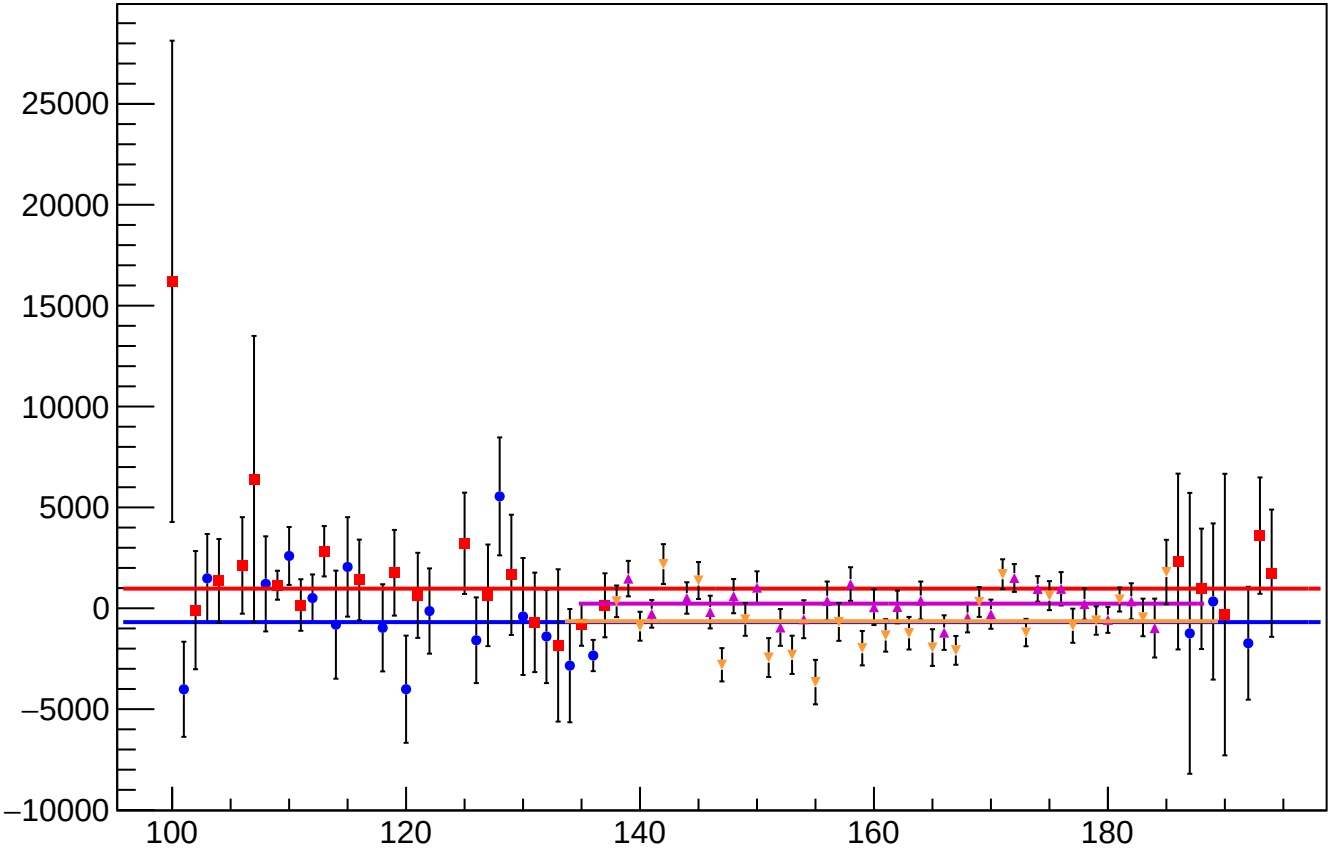
Right: 1825.627+/-0.294 χ^2/NDF: 407052.5/41

In: 1787.520+/-0.243 χ^2/NDF:323936.5/41

Out: 1788.639+/-0.235 χ^2/NDF:140260.2/46

All: 1788.099+/-0.169 χ^2/NDF: 464207.7/88

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -685.637+/-433.468 χ^2/NDF: 23.0/18

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 973.867+/-382.874 χ^2/NDF: 11.6/22

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

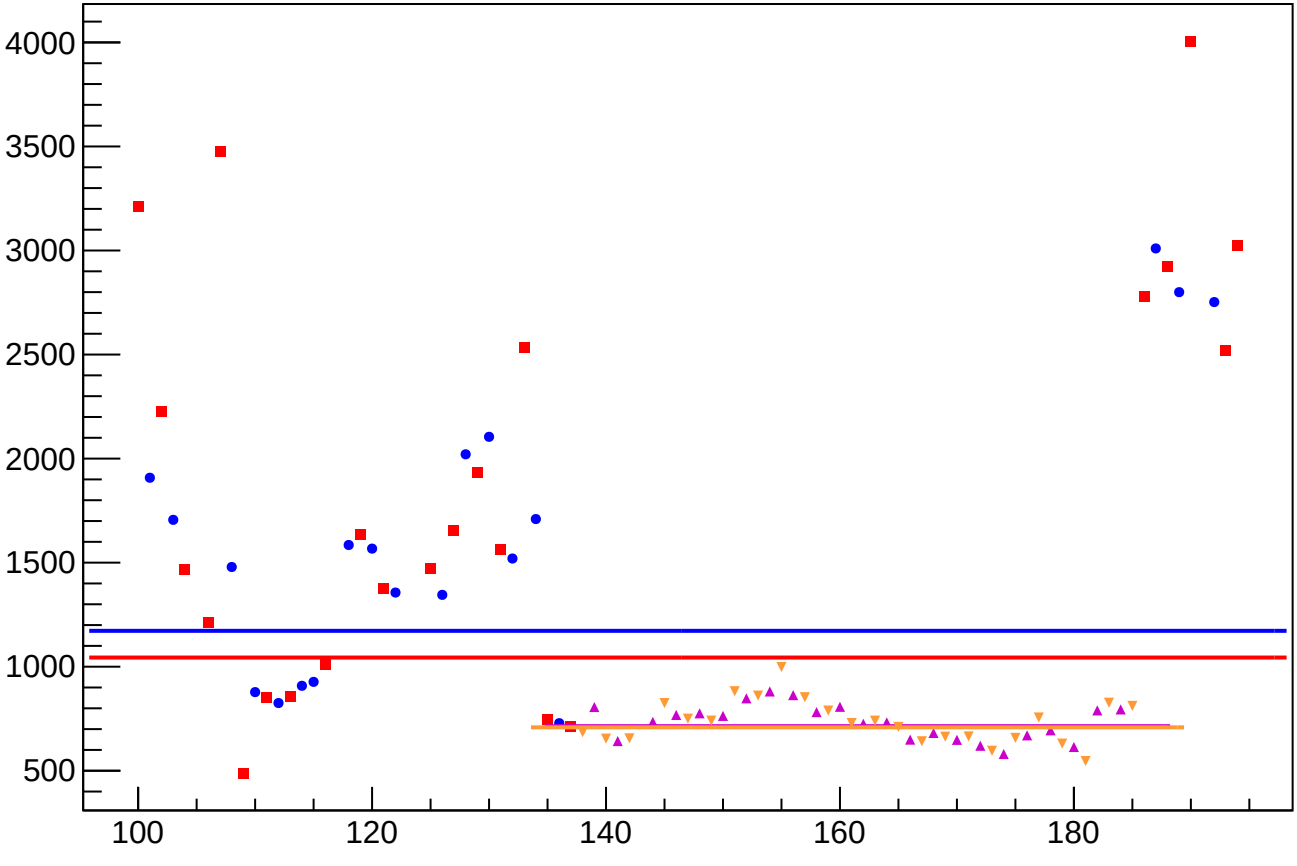
Right: 246.571+/-286.961 χ^2/NDF: 42.8/41

In: 110.523+/-156.906 χ^2/NDF:46.8/41

Out: -384.311+/-152.649 χ^2/NDF:93.2/46

All: -143.698+/-109.413 χ^2/NDF: 145.1/88

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1172.330+/-0.307 χ^2/NDF: 3072904.8/18

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1043.979+/-0.271 χ^2/NDF: 6008353.9/22

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

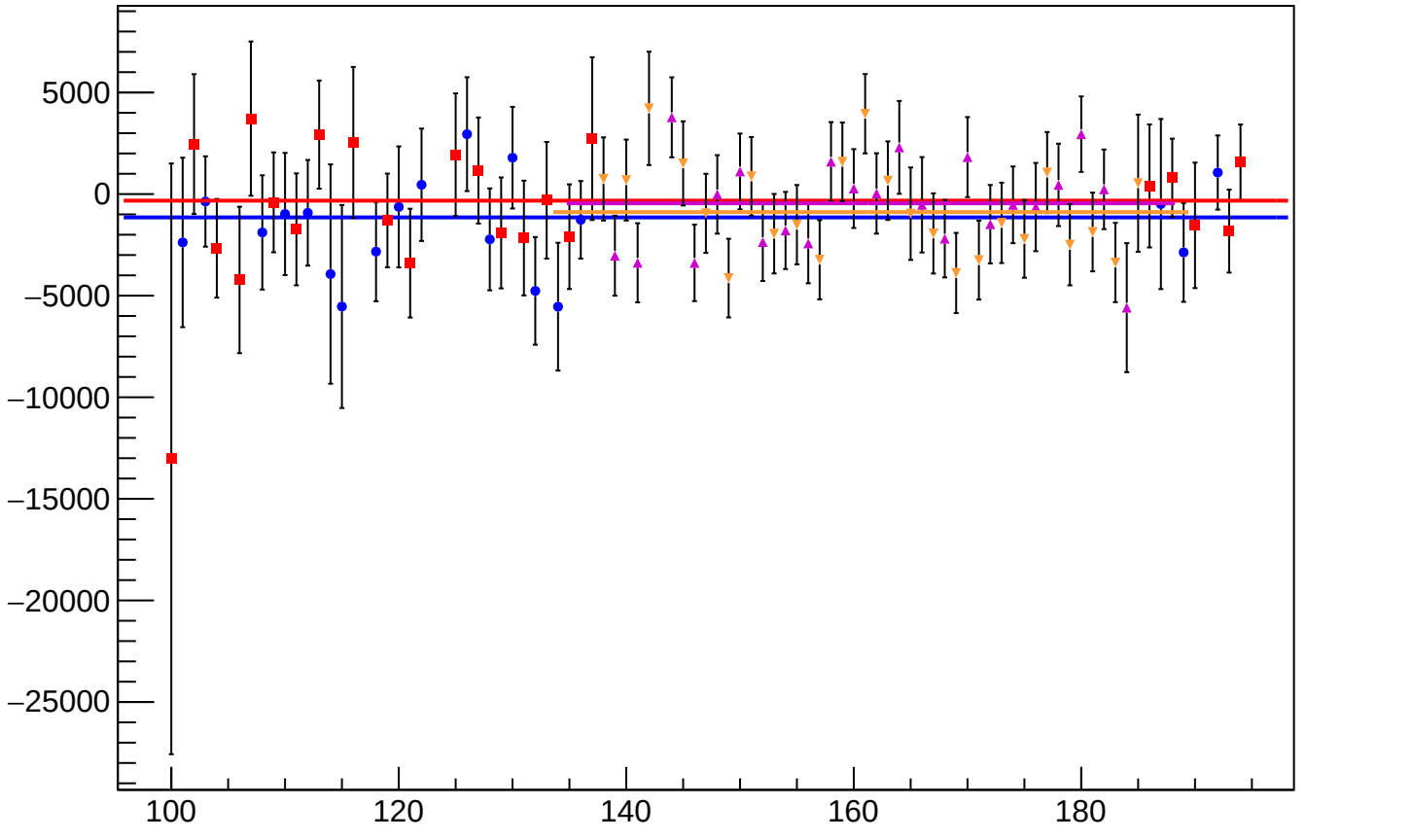
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1100.230+/-0.203 χ^2/NDF: 9179762.0/41

In: 774.200+/-0.111 χ^2/NDF:5511754.3/41

Out: 761.833+/-0.108 χ^2/NDF:8000153.2/46

All: 767.847+/-0.077 χ^2/NDF: 13518290.5/88



Right In: -1148.210+/-617.690 χ^2/NDF: 11.7/18

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: -322.918+/-567.163 χ^2/NDF: 13.3/22

Left In: -453.237+/-416.200 χ^2/NDF:25.8/22

Left: -671.348+/-293.241 χ^2/NDF: 54.5/46

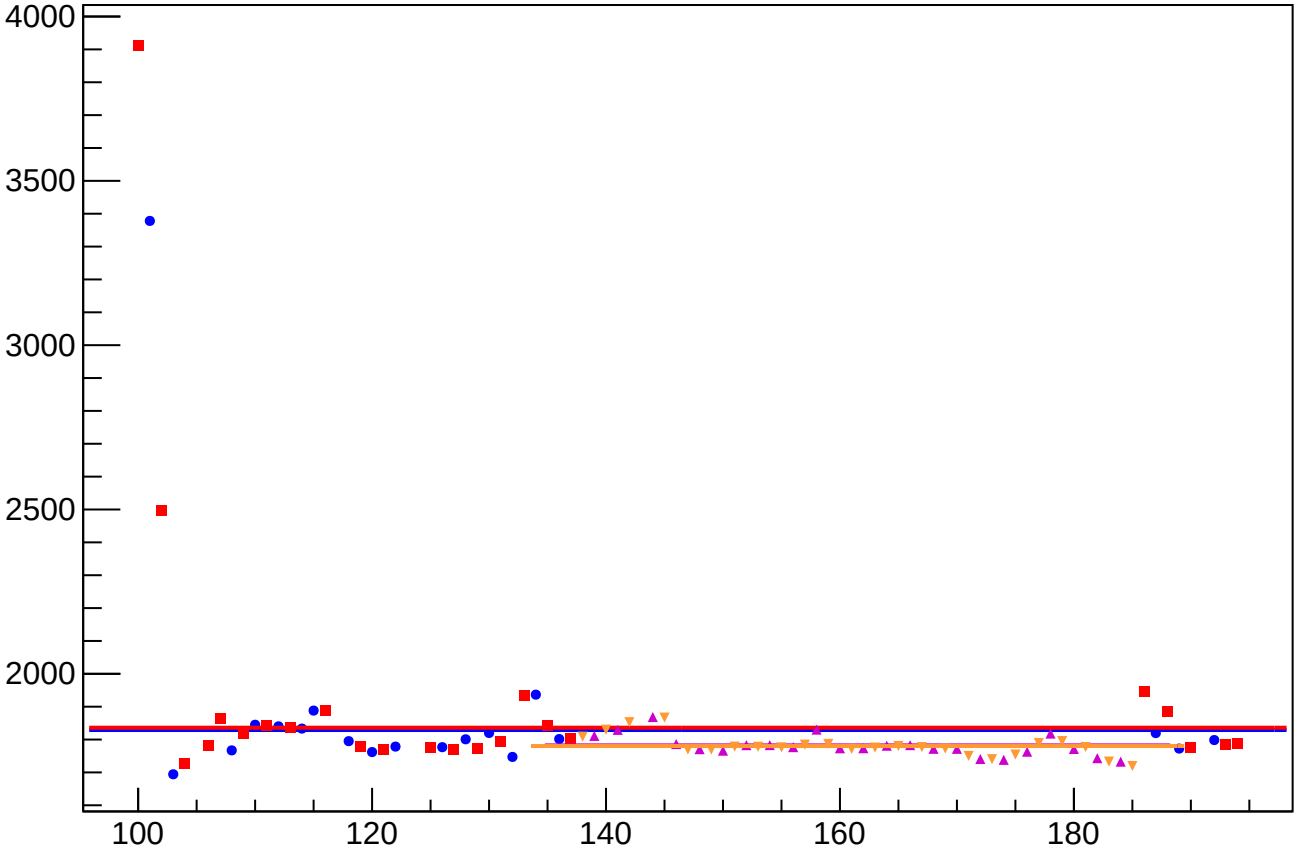
Right: -700.433+/-417.767 χ^2/NDF: 26.0/41

In: -670.239+/-345.159 χ^2/NDF:38.4/41

Out: -690.975+/-333.983 χ^2/NDF:42.1/46

All: -680.948+/-240.015 χ^2/NDF: 80.5/88

dit_asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1828.980+/-0.437 χ^2/NDF: 293982.1/18

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1836.067+/-0.401 χ^2/NDF: 135495.7/22

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

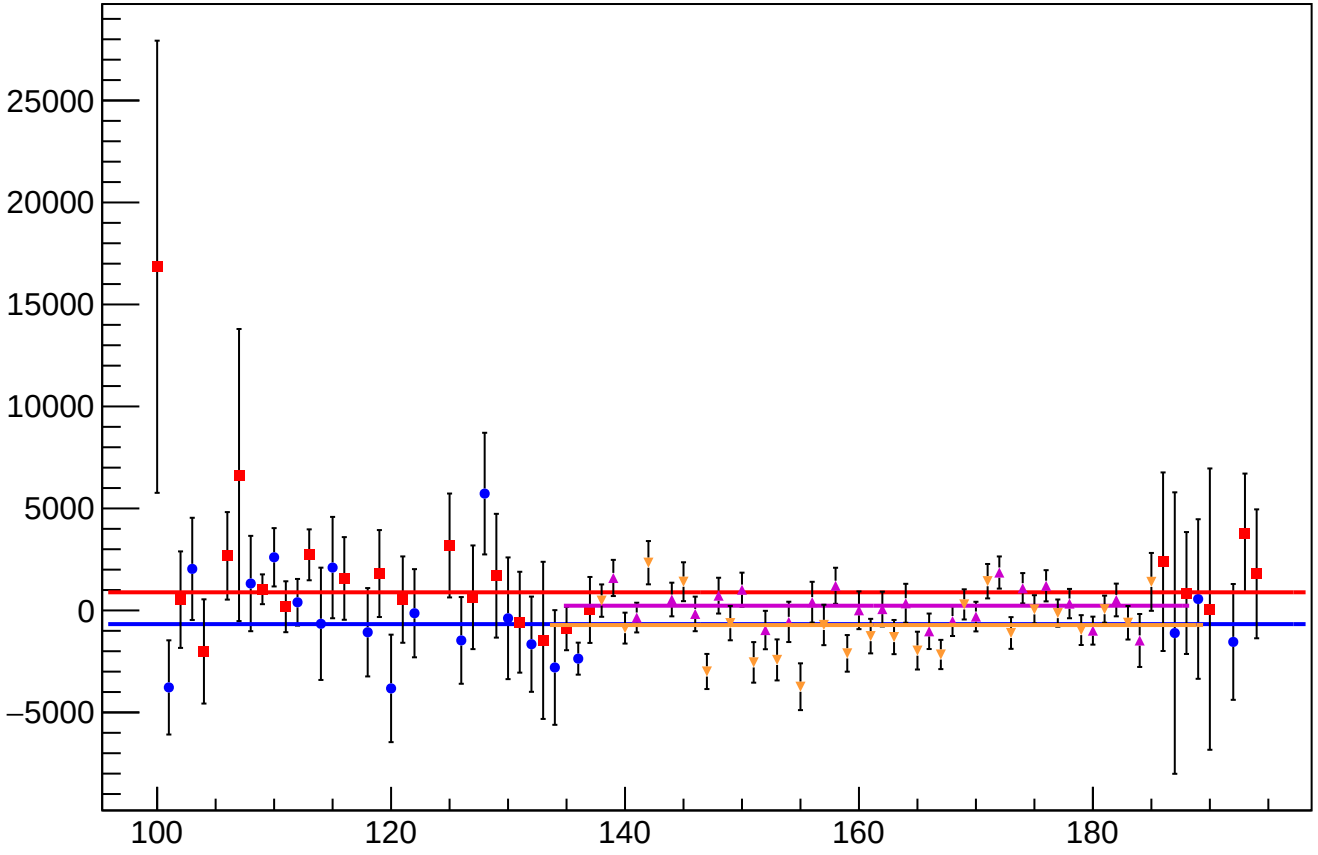
Right: 1832.825+/-0.295 χ^2/NDF: 429620.6/41

In: 1796.874+/-0.244 χ^2/NDF:313070.5/41

Out: 1799.586+/-0.236 χ^2/NDF:158543.2/46

All: 1798.275+/-0.170 χ^2/NDF: 471677.4/88

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -670.865+/-436.858 χ^2/NDF: 23.0/18

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

Right Out: 888.827+/-385.158 χ^2/NDF: 13.5/22

Left In: 231.320+/-173.436 χ^2/NDF:24.1/22

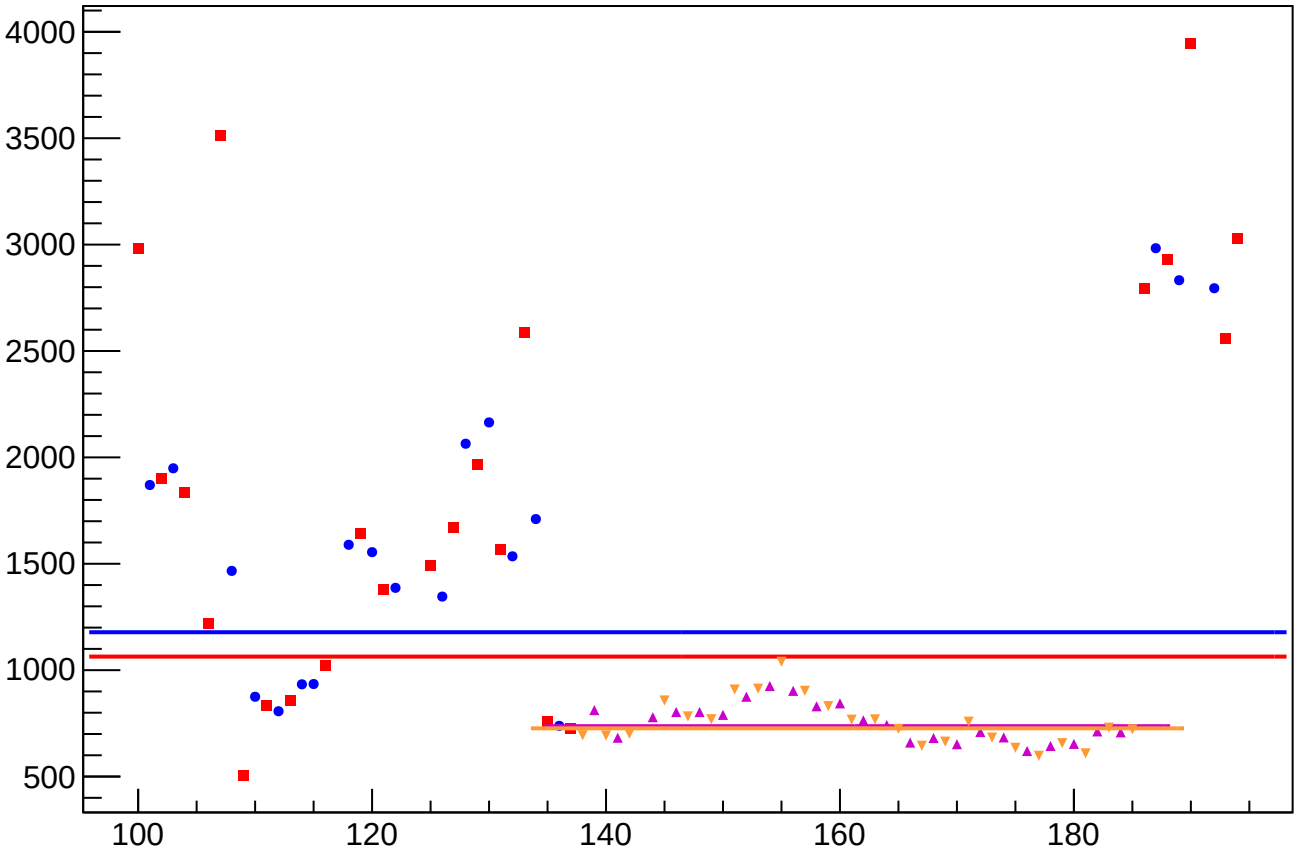
Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

Right: 206.690+/-288.906 χ^2/NDF: 43.6/41

In: 108.483+/-161.197 χ^2/NDF:50.7/41

Out: -453.282+/-155.985 χ^2/NDF:87.4/46

All: -181.627+/-112.095 χ^2/NDF: 144.4/88



Right In: 1178.279+/-0.309 χ^2/NDF: 3164276.4/18

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 1063.765+/-0.272 χ^2/NDF: 5957563.1/22

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

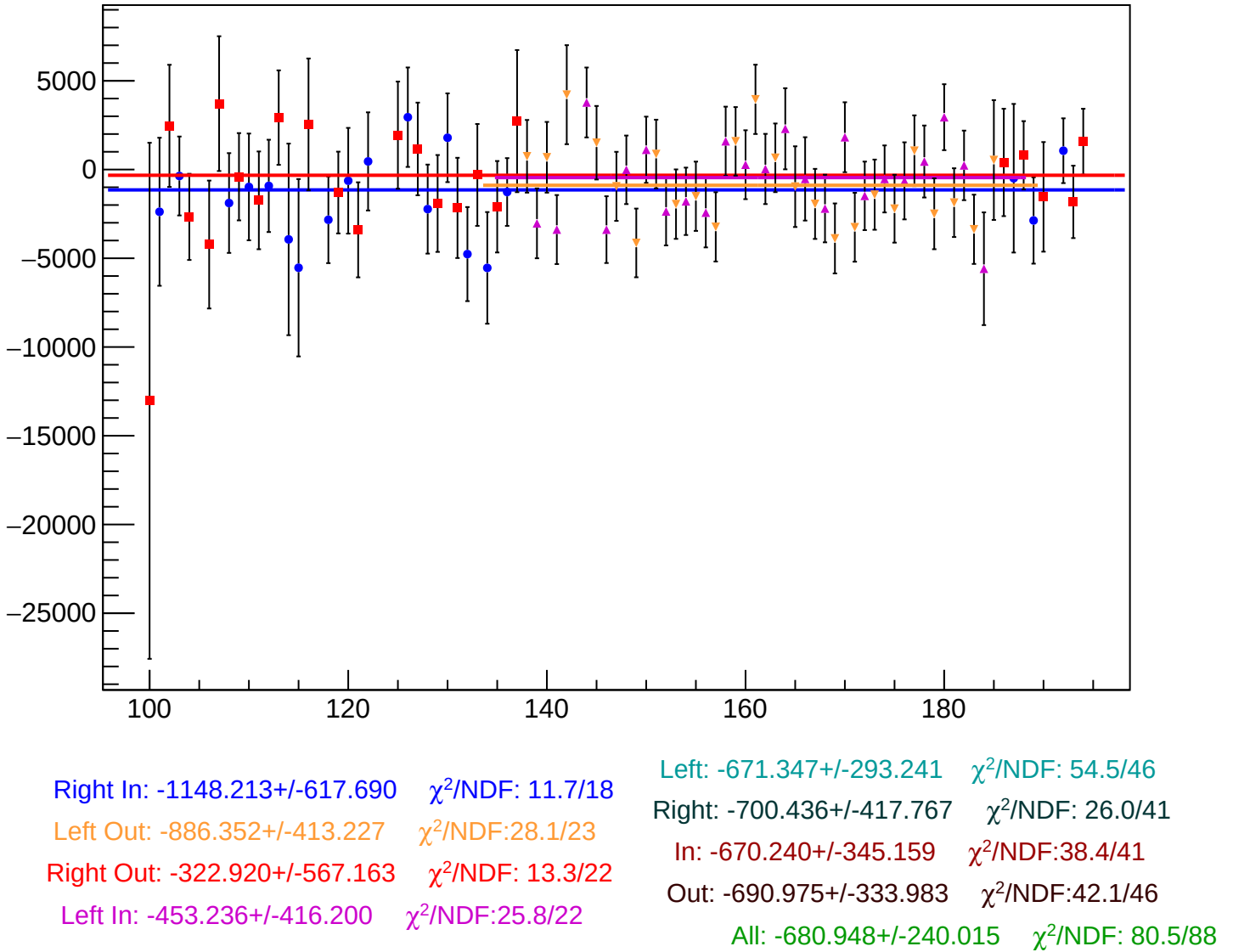
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

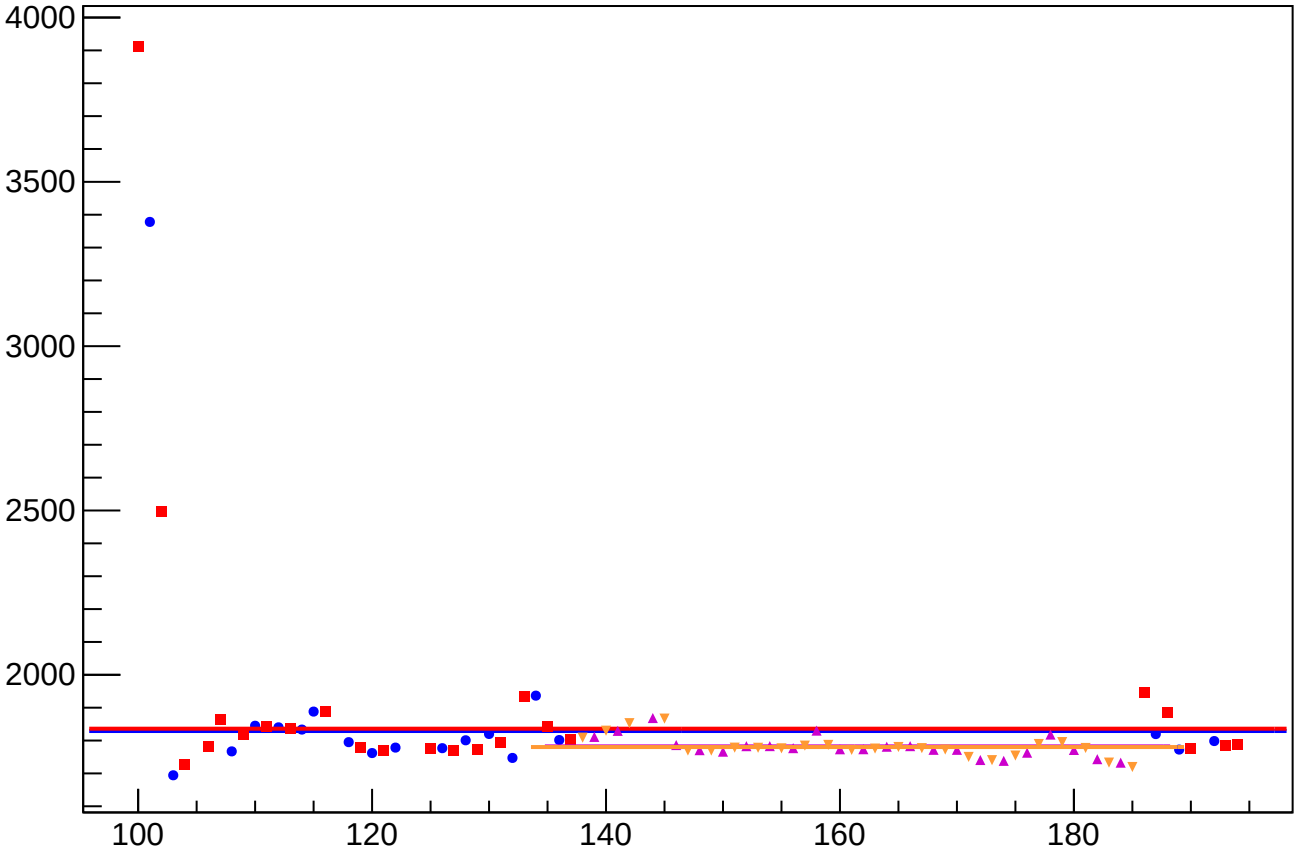
Right: 1113.848+/-0.204 χ^2/NDF: 9199160.3/41

In: 796.831+/-0.114 χ^2/NDF:5394473.3/41

Out: 781.905+/-0.110 χ^2/NDF:7923567.8/46

All: 789.123+/-0.079 χ^2/NDF: 13326897.0/88


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
Right In: -1148.213+/-617.690 χ²/NDF: 11.7/18
Left Out: -886.352+/-413.227 χ²/NDF:28.1/23
Right Out: -322.920+/-567.163 χ²/NDF: 13.3/22
Left In: -453.236+/-416.200 χ²/NDF:25.8/22
Left: -671.347+/-293.241 χ²/NDF: 54.5/46
Right: -700.436+/-417.767 χ²/NDF: 26.0/41
In: -670.240+/-345.159 χ²/NDF:38.4/41
Out: -690.975+/-333.983 χ²/NDF:42.1/46
All: -680.948+/-240.015 χ²/NDF: 80.5/88



Right In: 1828.980+/-0.437 χ^2/NDF: 293982.1/18

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1836.067+/-0.401 χ^2/NDF: 135495.8/22

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

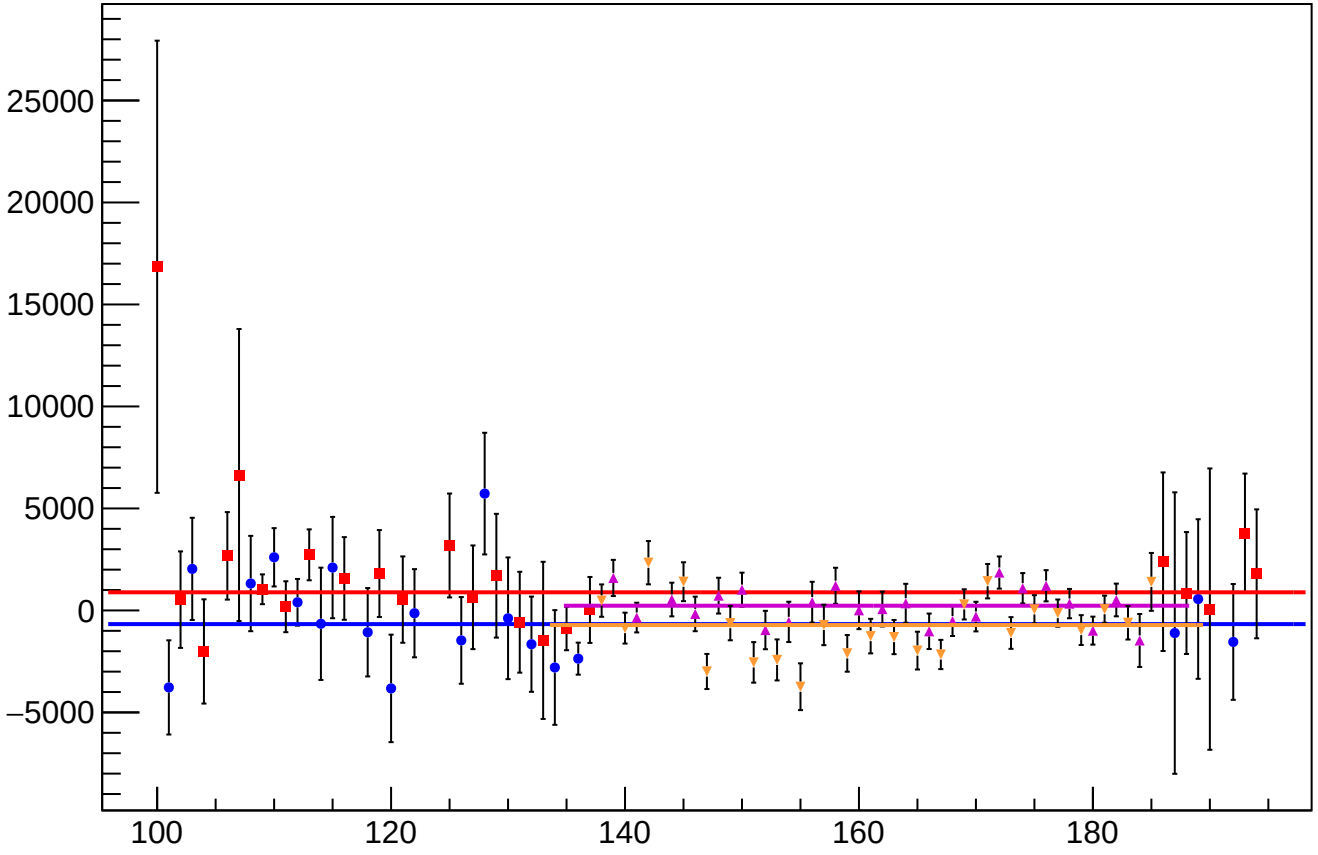
Right: 1832.825+/-0.295 χ^2/NDF: 429620.7/41

In: 1796.874+/-0.244 χ^2/NDF:313070.5/41

Out: 1799.586+/-0.236 χ^2/NDF:158543.4/46

All: 1798.275+/-0.170 χ^2/NDF: 471677.6/88

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -670.853+/-436.858 χ^2/NDF: 23.0/18

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

Right Out: 888.834+/-385.158 χ^2/NDF: 13.5/22

Left In: 231.318+/-173.435 χ^2/NDF:24.1/22

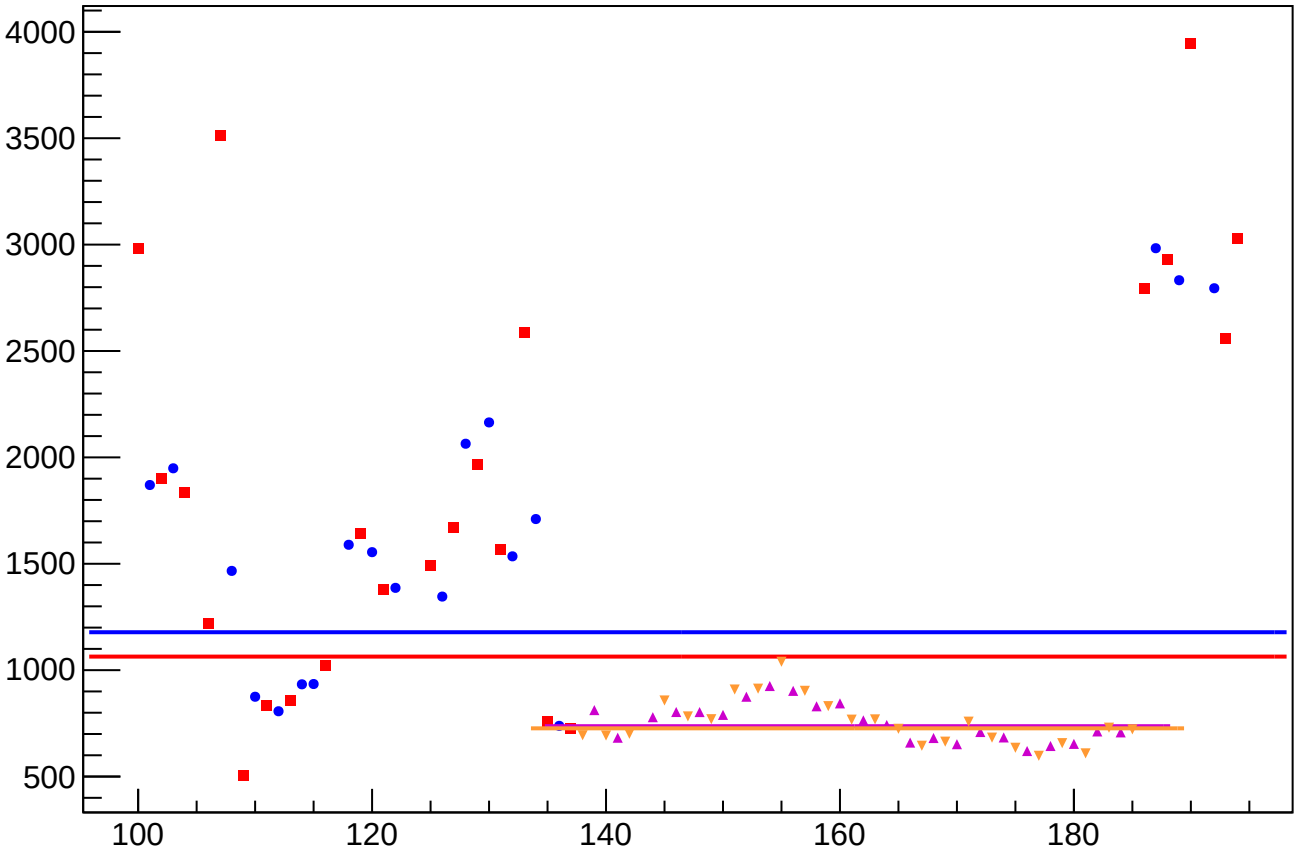
Left: -250.447+/-121.623 χ^2/NDF: 98.6/46

Right: 206.699+/-288.906 χ^2/NDF: 43.6/41

In: 108.484+/-161.197 χ^2/NDF:50.7/41

Out: -453.282+/-155.985 χ^2/NDF:87.4/46

All: -181.626+/-112.095 χ^2/NDF: 144.4/88



Right In: 1178.282+/-0.309 χ^2/NDF: 3164229.3/18

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1063.768+/-0.272 χ^2/NDF: 5957524.1/22

Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

Left: 731.574+/-0.086 χ^2/NDF: 1153283.6/46

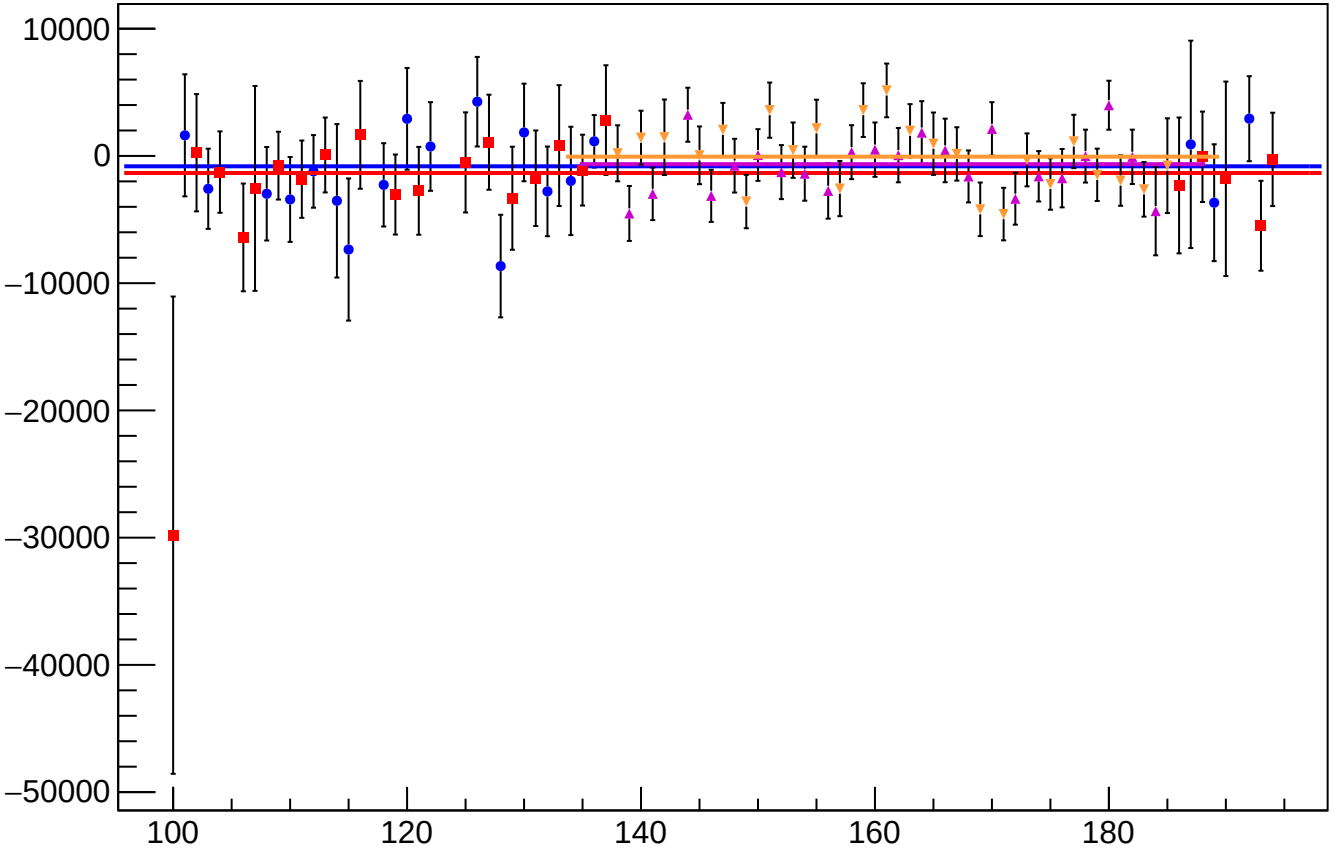
Right: 1113.851+/-0.204 χ^2/NDF: 9199074.7/41

In: 796.831+/-0.114 χ^2/NDF:5394463.7/41

Out: 781.905+/-0.110 χ^2/NDF:7923540.0/46

All: 789.123+/-0.079 χ^2/NDF: 13326858.7/88

asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected



Right In: -815.265+/-827.138 χ^2/NDF: 13.7/18

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: -1339.445+/-789.177 χ^2/NDF: 8.6/22

Left In: -646.910+/-448.538 χ^2/NDF:23.7/22

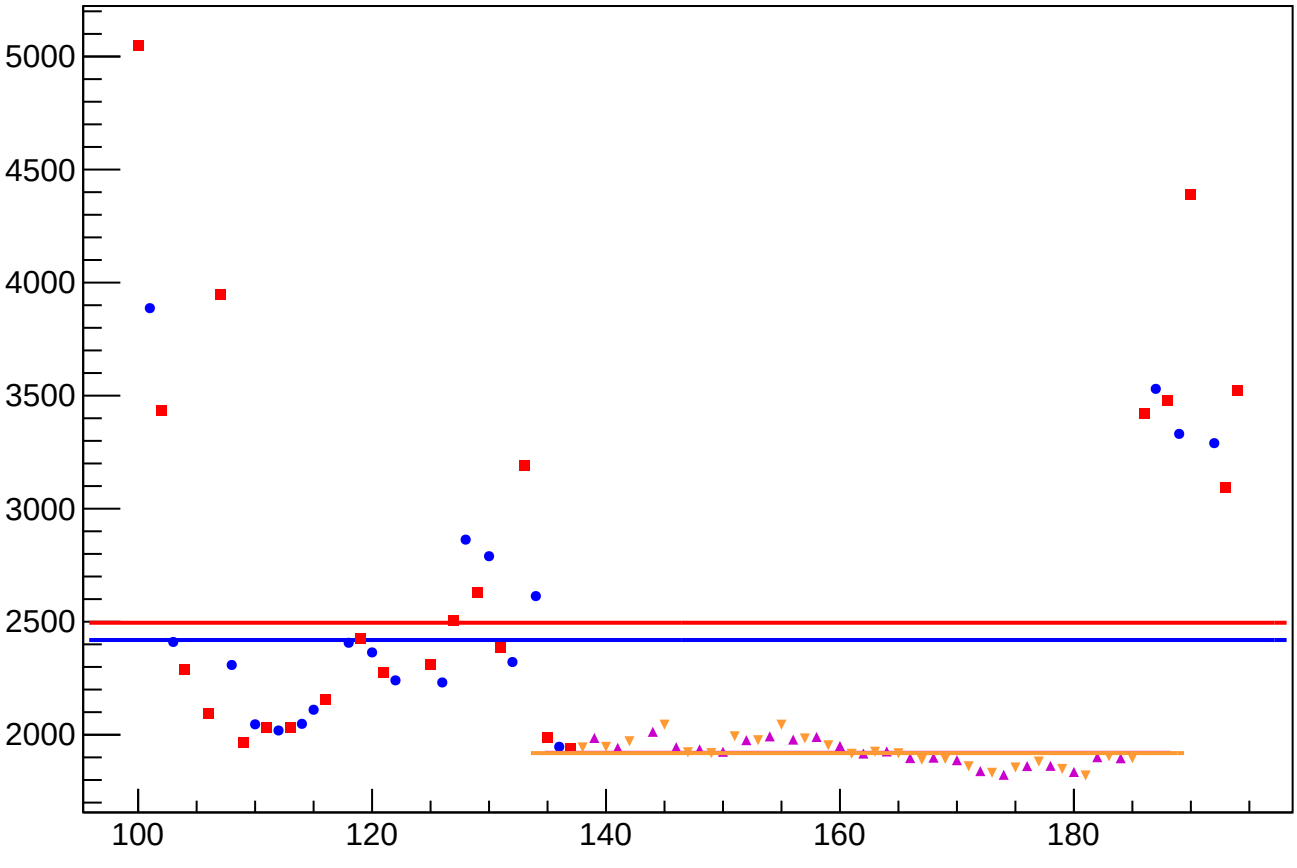
Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

Right: -1089.659+/-570.981 χ^2/NDF: 22.5/41

In: -685.167+/-394.295 χ^2/NDF:37.4/41

Out: -368.989+/-388.020 χ^2/NDF:43.6/46

All: -524.542+/-276.563 χ^2/NDF: 81.3/88



Right In: 2419.095+/-0.585 χ^2/NDF: 683698.8/18

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

Right Out: 2495.563+/-0.558 χ^2/NDF: 1111518.5/22

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

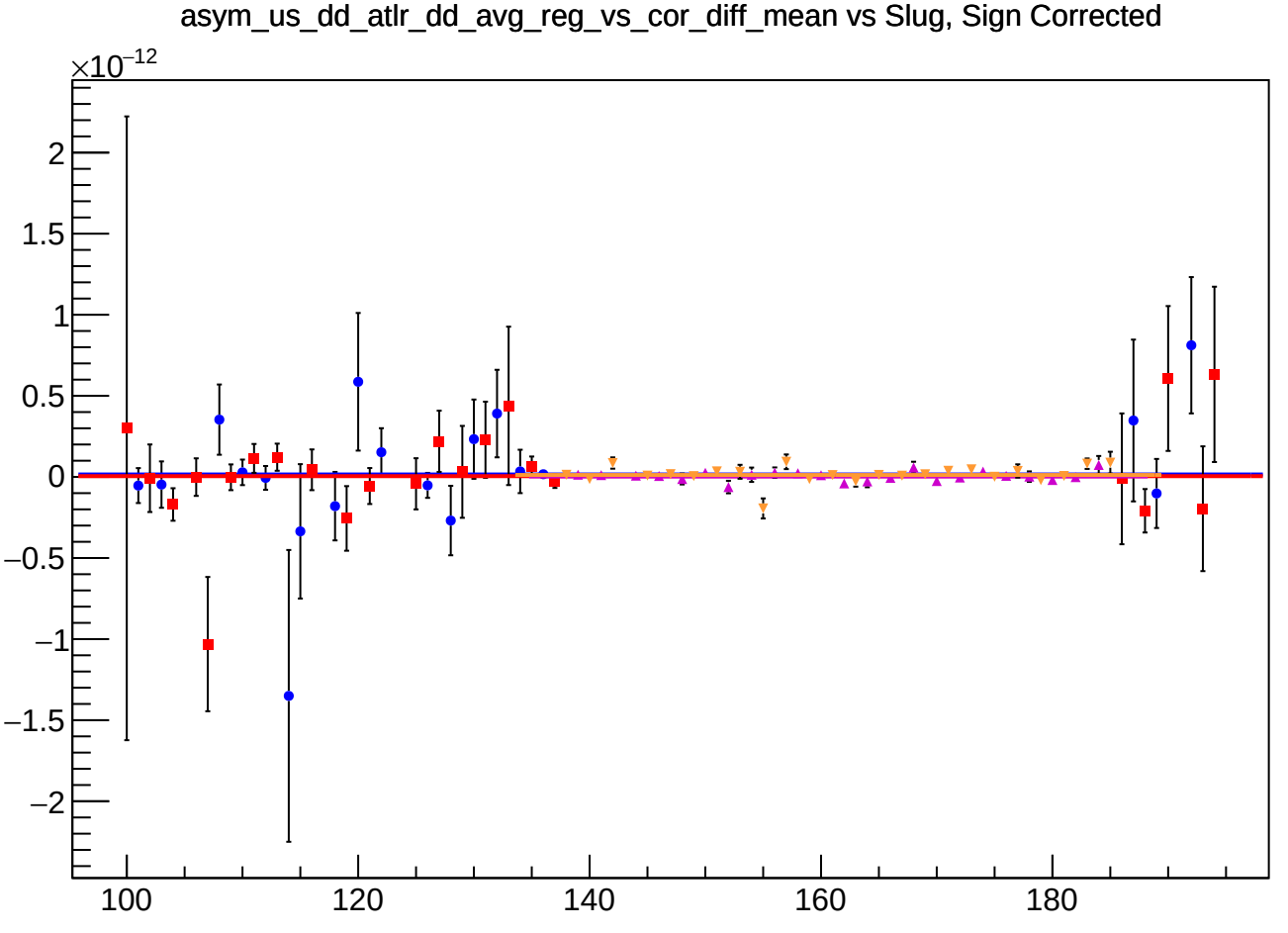
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

Right: 2459.124+/-0.404 χ^2/NDF: 1804165.4/41

In: 2033.581+/-0.279 χ^2/NDF:1275839.6/41

Out: 2058.365+/-0.274 χ^2/NDF:1956620.4/46

All: 2046.172+/-0.196 χ^2/NDF: 3236474.1/88



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/22

Left In: 0.000+/-0.000 χ^2/NDF:19.6/22

Left: 0.000+/-0.000 χ^2/NDF: 59.3/46

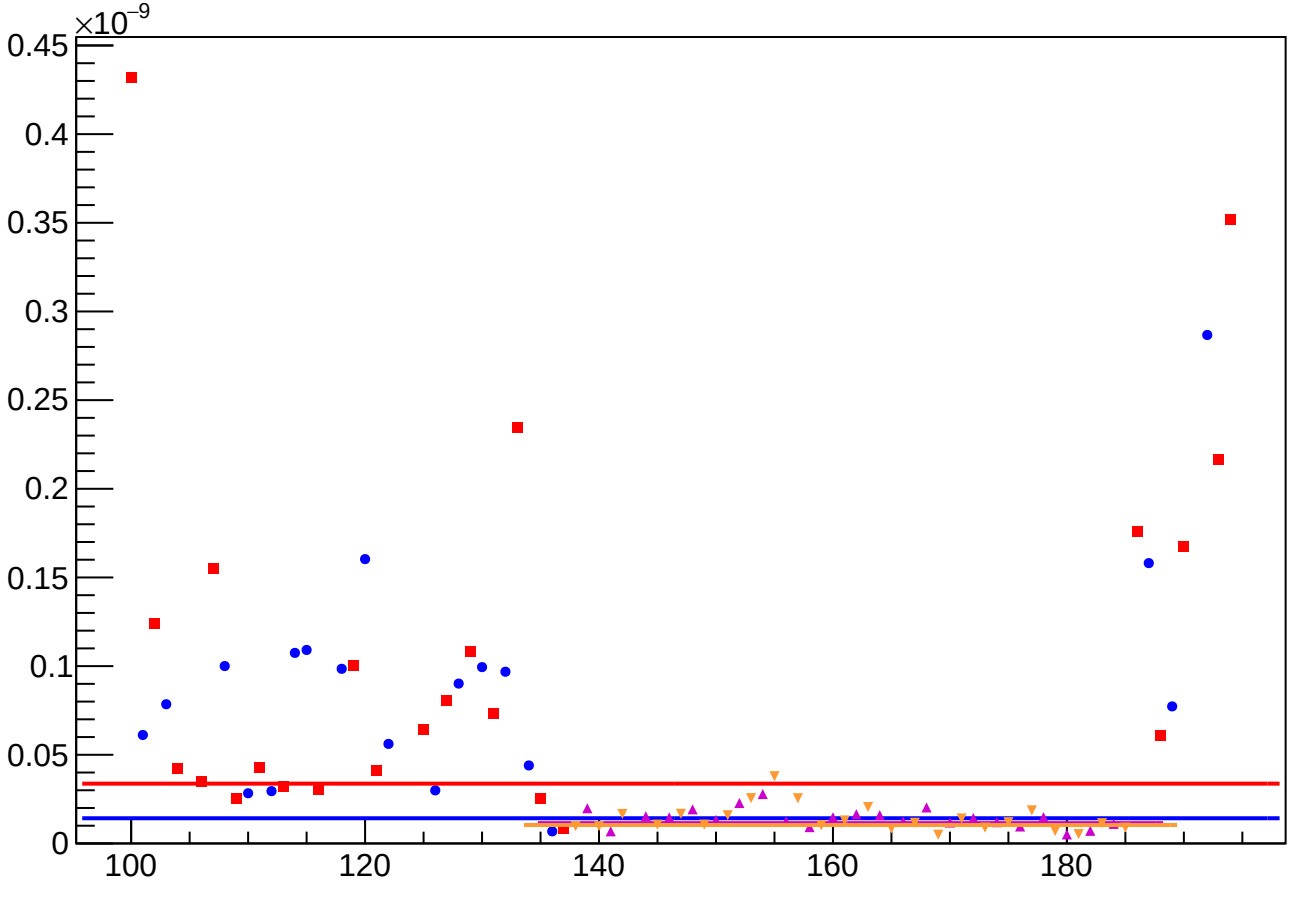
Right: 0.000+/-0.000 χ^2/NDF: 45.0/41

In: 0.000+/-0.000 χ^2/NDF:39.5/41

Out: 0.000+/-0.000 χ^2/NDF:63.7/46

All: 0.000+/-0.000 χ^2/NDF: 104.5/88

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4603681.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4035785.6/22

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

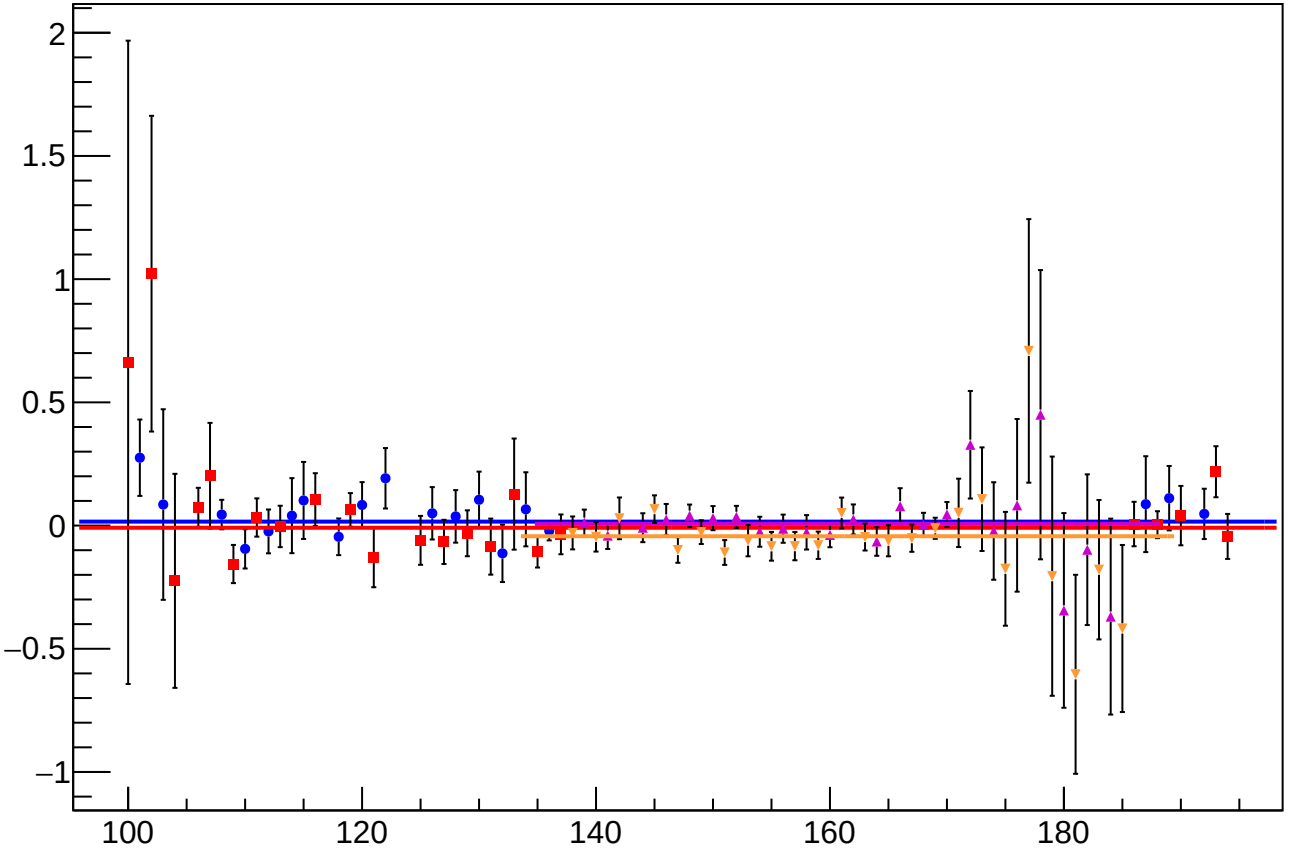
Right: 0.000+/-0.000 χ^2/NDF: 9654863.6/41

In: 0.000+/-0.000 χ^2/NDF:6567226.9/41

Out: 0.000+/-0.000 χ^2/NDF:7991538.8/46

All: 0.000+/-0.000 χ^2/NDF: 14568491.2/88

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.021 χ^2/NDF: 12.5/18

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.009+/-0.020 χ^2/NDF: 21.5/22

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

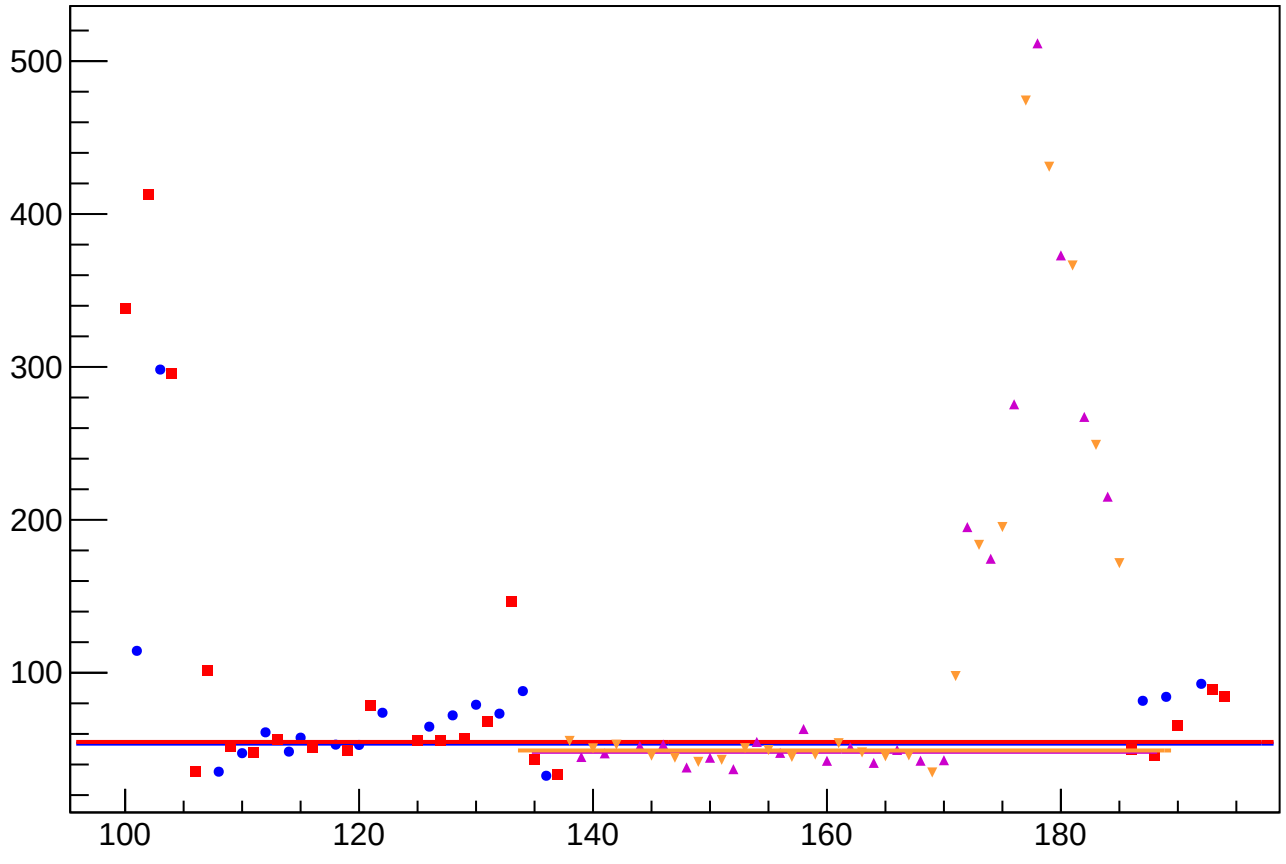
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: 0.003+/-0.014 χ^2/NDF: 34.8/41

In: 0.009+/-0.011 χ^2/NDF:24.0/41

Out: -0.032+/-0.011 χ^2/NDF:42.4/46

All: -0.011+/-0.008 χ^2/NDF: 73.0/88



Right In: 53.651+/-0.015 χ^2/NDF: 2748815.6/18

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 54.762+/-0.014 χ^2/NDF: 2735919.9/22

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

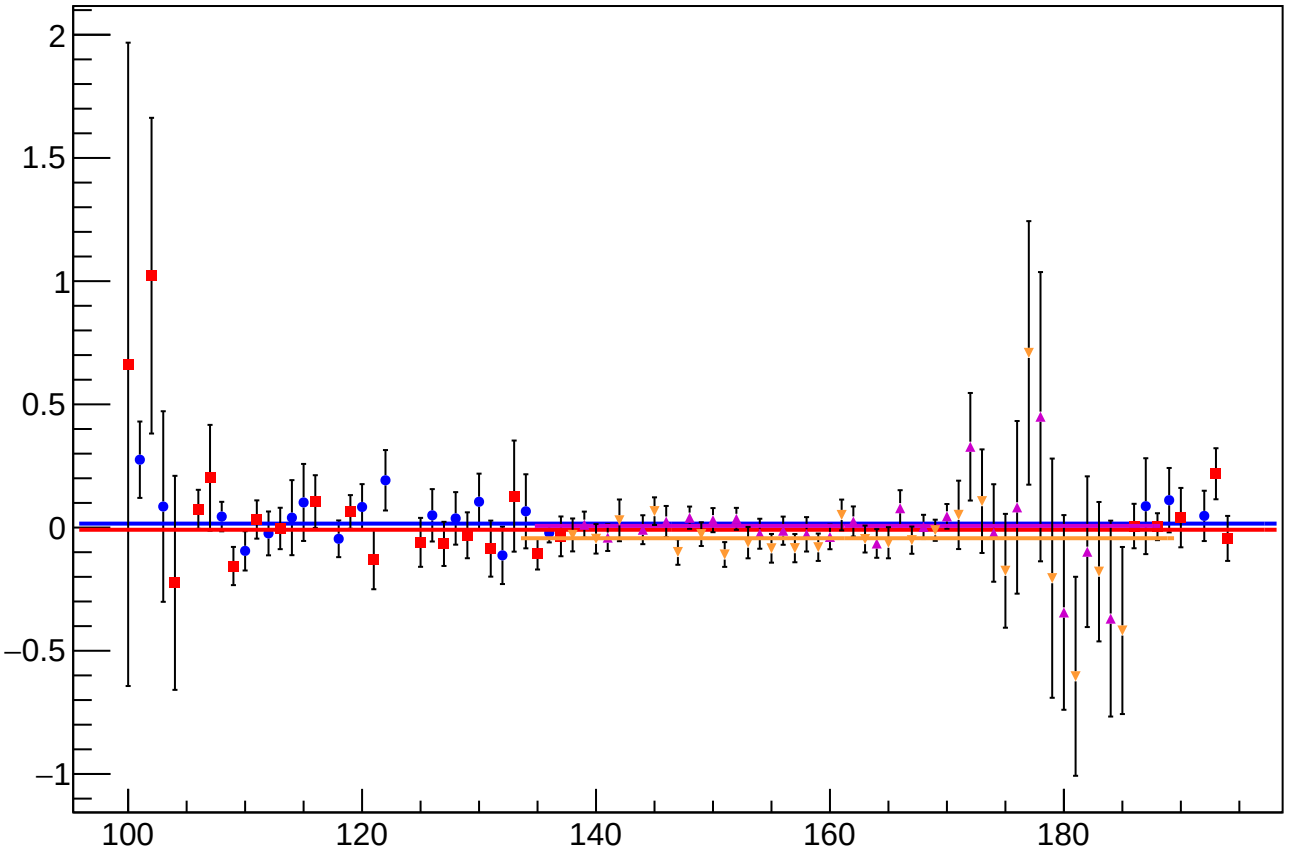
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 54.246+/-0.010 χ^2/NDF: 5487734.2/41

In: 49.875+/-0.008 χ^2/NDF:9881153.5/41

Out: 51.053+/-0.008 χ^2/NDF:10094173.9/46

All: 50.466+/-0.006 χ^2/NDF: 19986104.2/88



Right In: 0.016+/-0.021 χ^2/NDF: 12.5/18

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.009+/-0.020 χ^2/NDF: 21.5/22

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

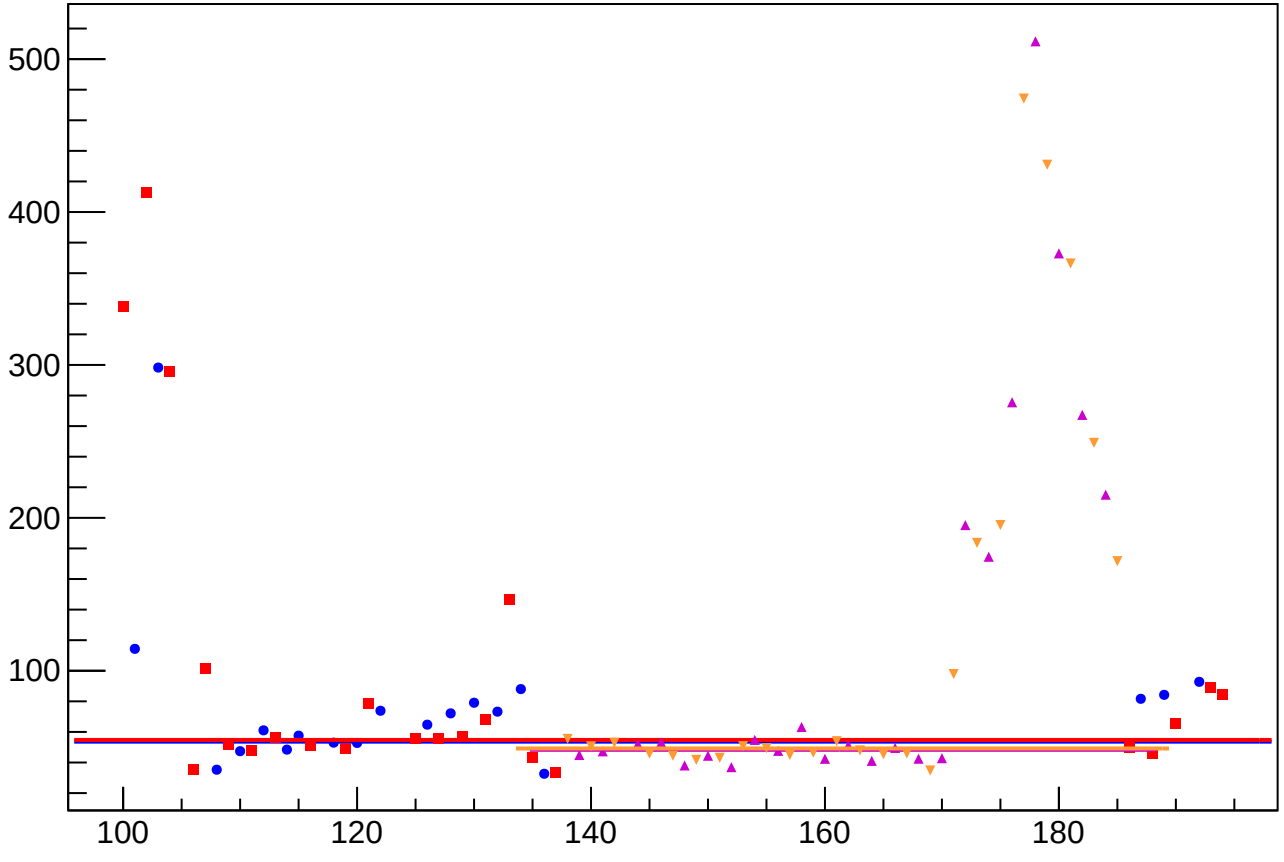
Right: 0.003+/-0.014 χ^2/NDF: 34.8/41

In: 0.009+/-0.011 χ^2/NDF:24.0/41

Out: -0.032+/-0.011 χ^2/NDF:42.4/46

All: -0.011+/-0.008 χ^2/NDF: 73.0/88

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.651+/-0.015 χ^2/NDF: 2748815.6/18

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 54.762+/-0.014 χ^2/NDF: 2735919.9/22

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

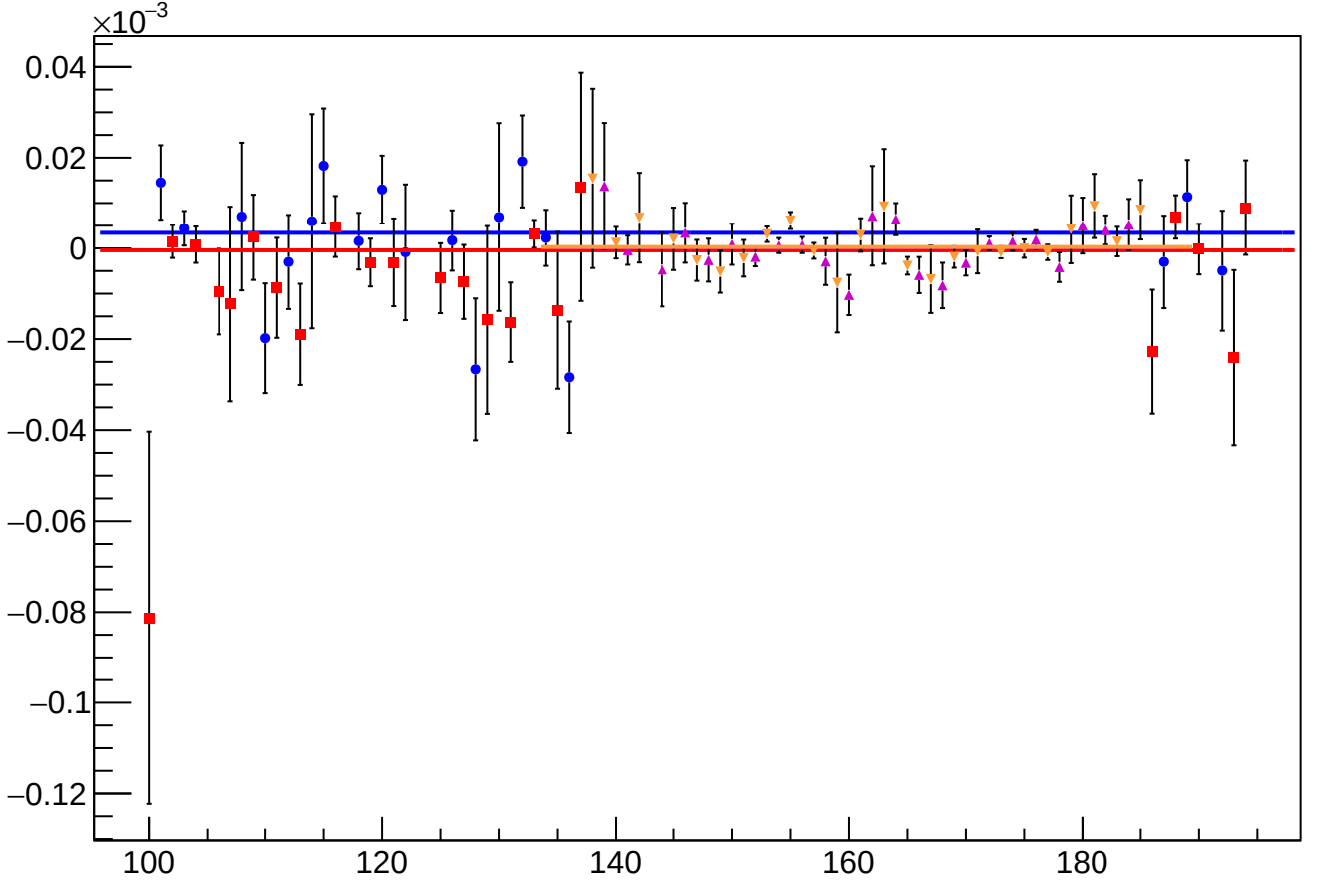
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 54.246+/-0.010 χ^2/NDF: 5487734.2/41

In: 49.875+/-0.008 χ^2/NDF:9881153.5/41

Out: 51.053+/-0.008 χ^2/NDF:10094173.9/46

All: 50.466+/-0.006 χ^2/NDF: 19986104.2/88



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/22

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

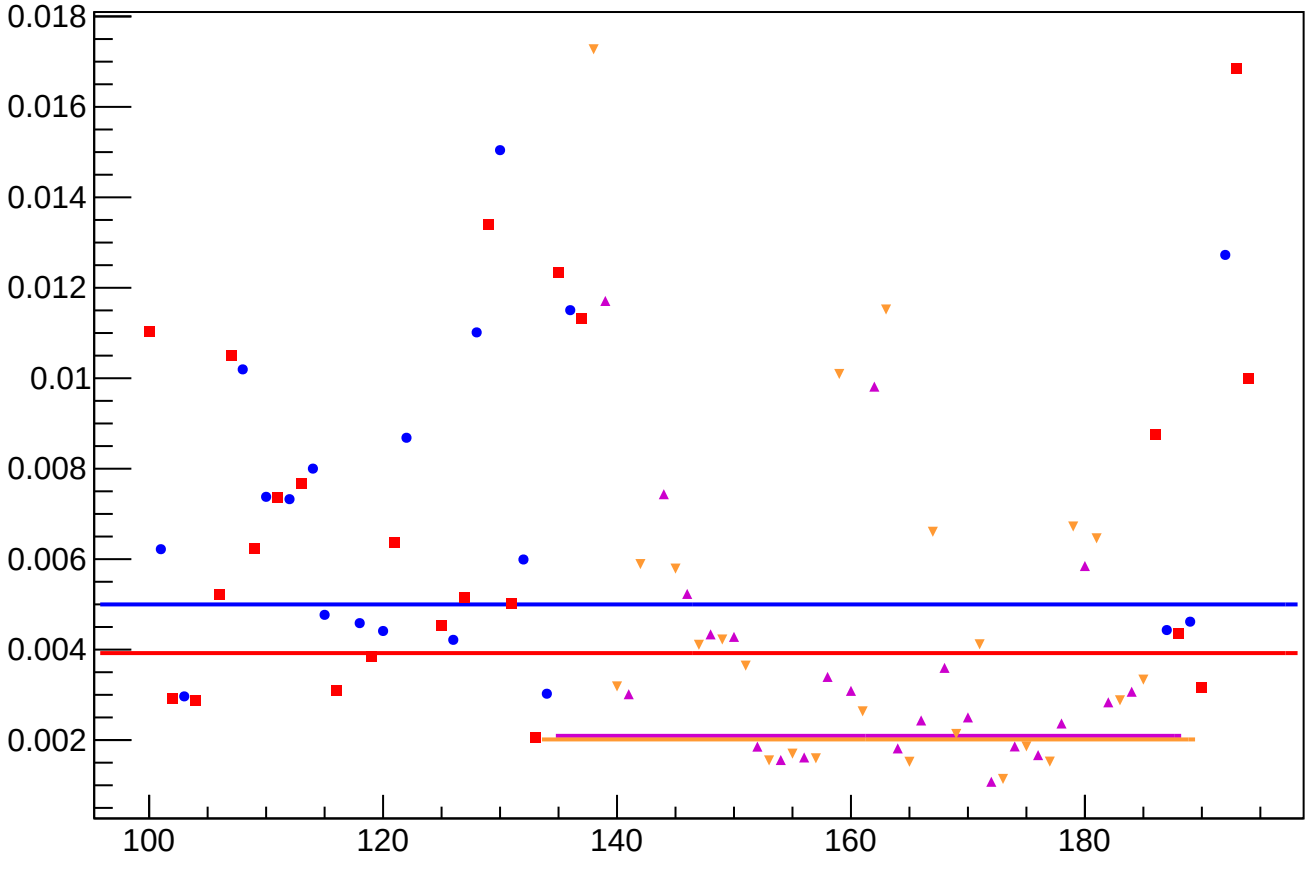
Right: 0.000+/-0.000 χ^2/NDF: 51.3/41

In: 0.000+/-0.000 χ^2/NDF:51.8/41

Out: 0.000+/-0.000 χ^2/NDF:53.8/46

All: 0.000+/-0.000 χ^2/NDF: 105.7/88

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: 3448235.4/18

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 5054781.7/22

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

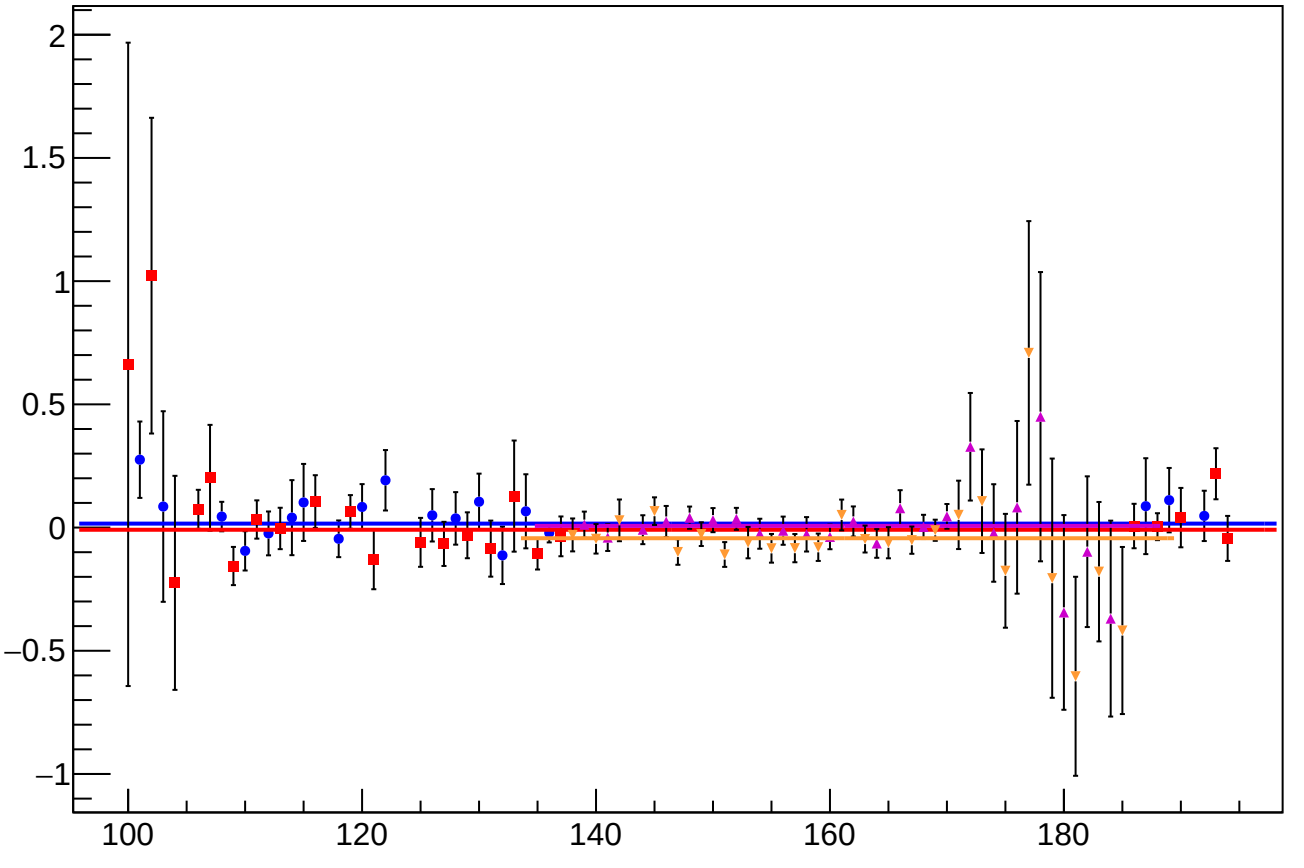
Left: 0.002+/-0.000 χ^2/NDF: 17422562.9/46

Right: 0.004+/-0.000 χ^2/NDF: 8901035.1/41

In: 0.002+/-0.000 χ^2/NDF:14620836.7/41

Out: 0.002+/-0.000 χ^2/NDF:18461906.7/46

All: 0.002+/-0.000 χ^2/NDF: 33099476.9/88



Right In: 0.016+/-0.021 χ^2/NDF: 12.5/18

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.009+/-0.020 χ^2/NDF: 21.5/22

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

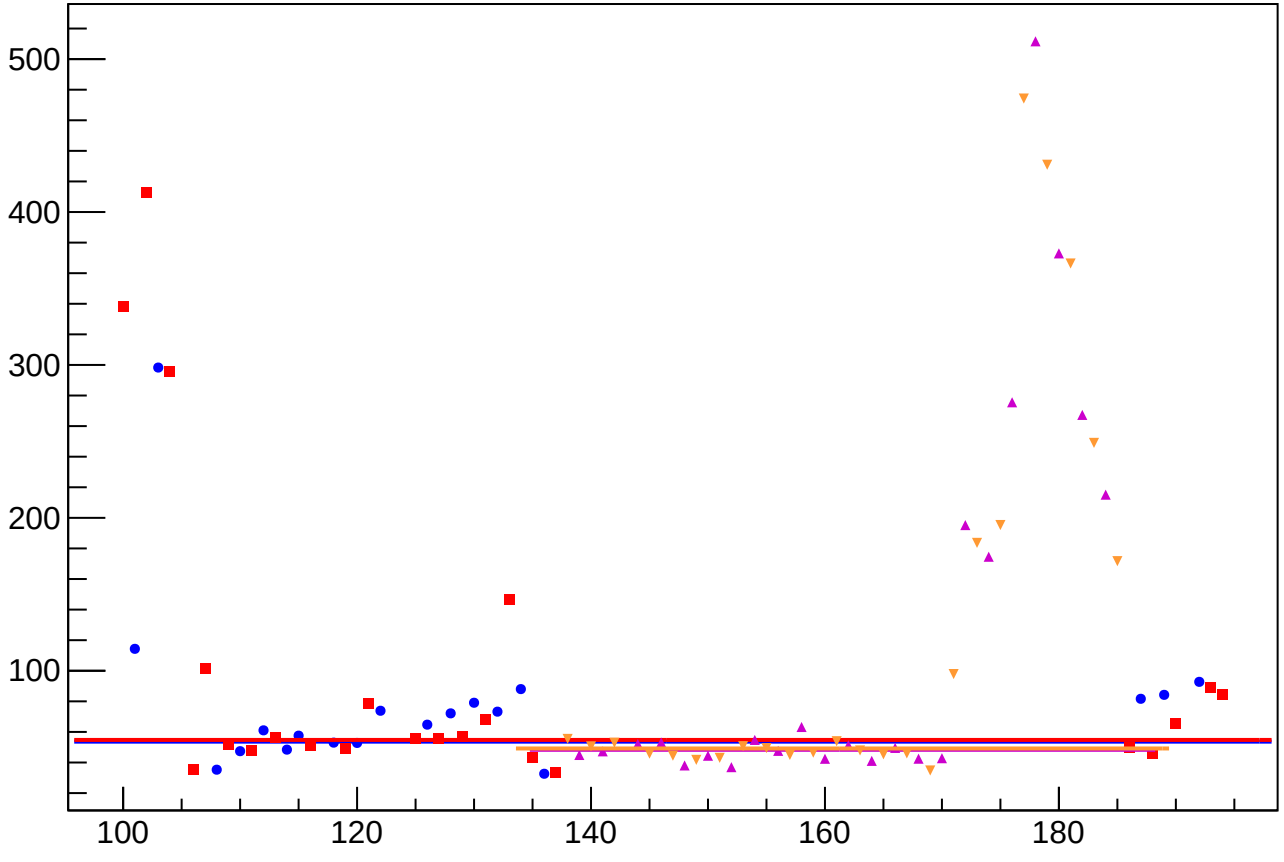
Right: 0.003+/-0.014 χ^2/NDF: 34.8/41

In: 0.009+/-0.011 χ^2/NDF:24.0/41

Out: -0.032+/-0.011 χ^2/NDF:42.4/46

All: -0.011+/-0.008 χ^2/NDF: 73.0/88

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.652+/-0.015 χ^2/NDF: 2748666.0/18

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 54.763+/-0.014 χ^2/NDF: 2735740.9/22

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

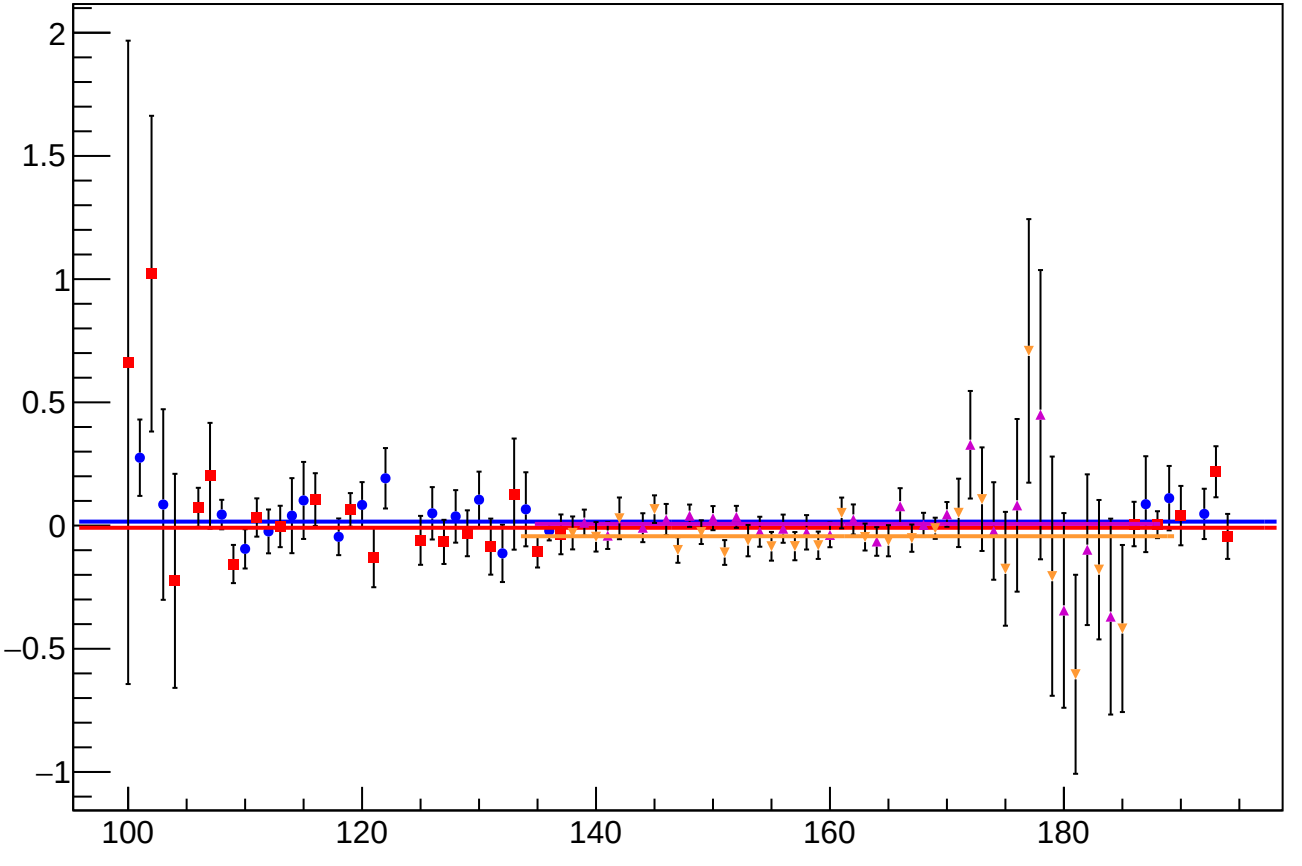
Right: 54.246+/-0.010 χ^2/NDF: 5487406.6/41

In: 49.875+/-0.008 χ^2/NDF:9880930.5/41

Out: 51.053+/-0.008 χ^2/NDF:10094042.4/46

All: 50.466+/-0.006 χ^2/NDF: 19985743.1/88

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.021 χ^2/NDF: 12.5/18

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.009+/-0.020 χ^2/NDF: 21.5/22

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

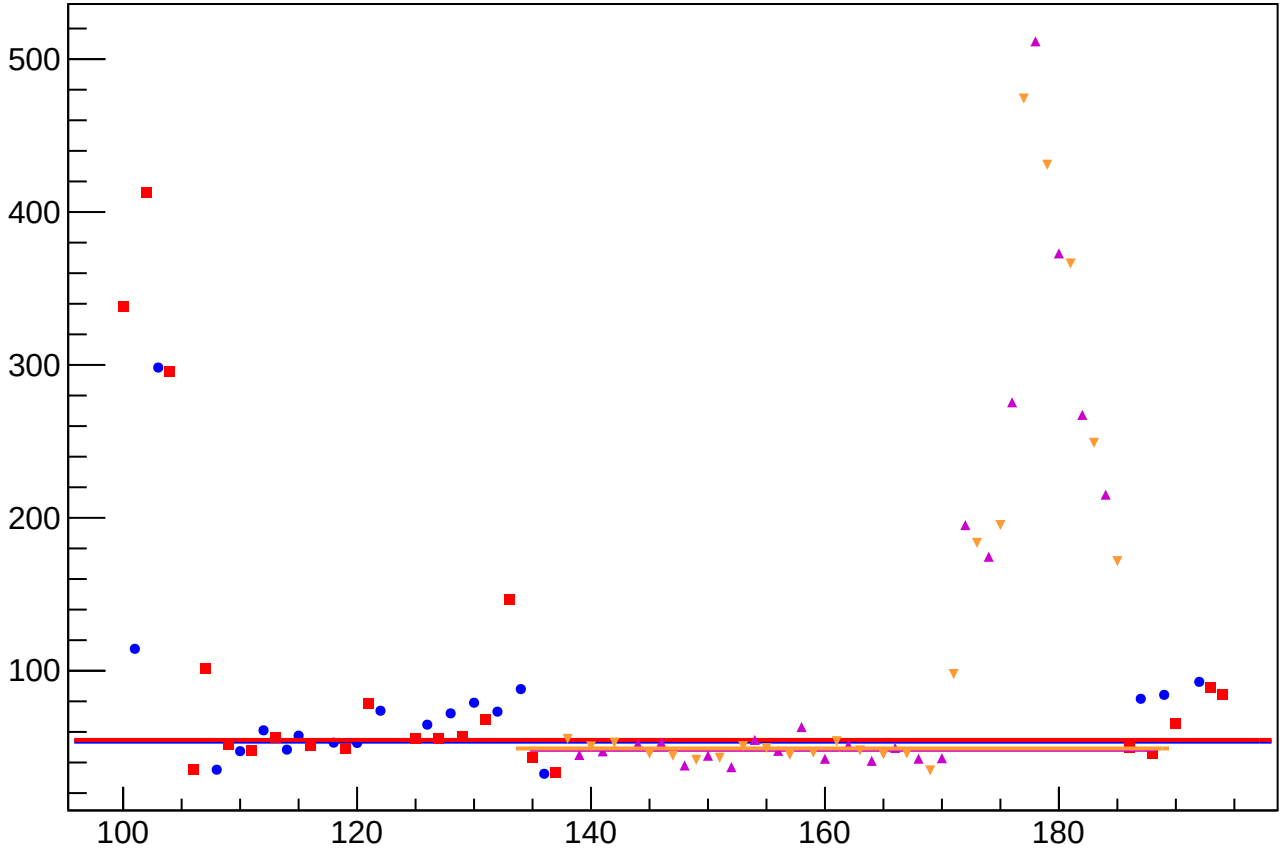
Right: 0.003+/-0.014 χ^2/NDF: 34.8/41

In: 0.009+/-0.011 χ^2/NDF:24.0/41

Out: -0.032+/-0.011 χ^2/NDF:42.4/46

All: -0.011+/-0.008 χ^2/NDF: 73.0/88

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.652+/-0.015 χ^2/NDF: 2748666.0/18

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 54.763+/-0.014 χ^2/NDF: 2735740.9/22

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

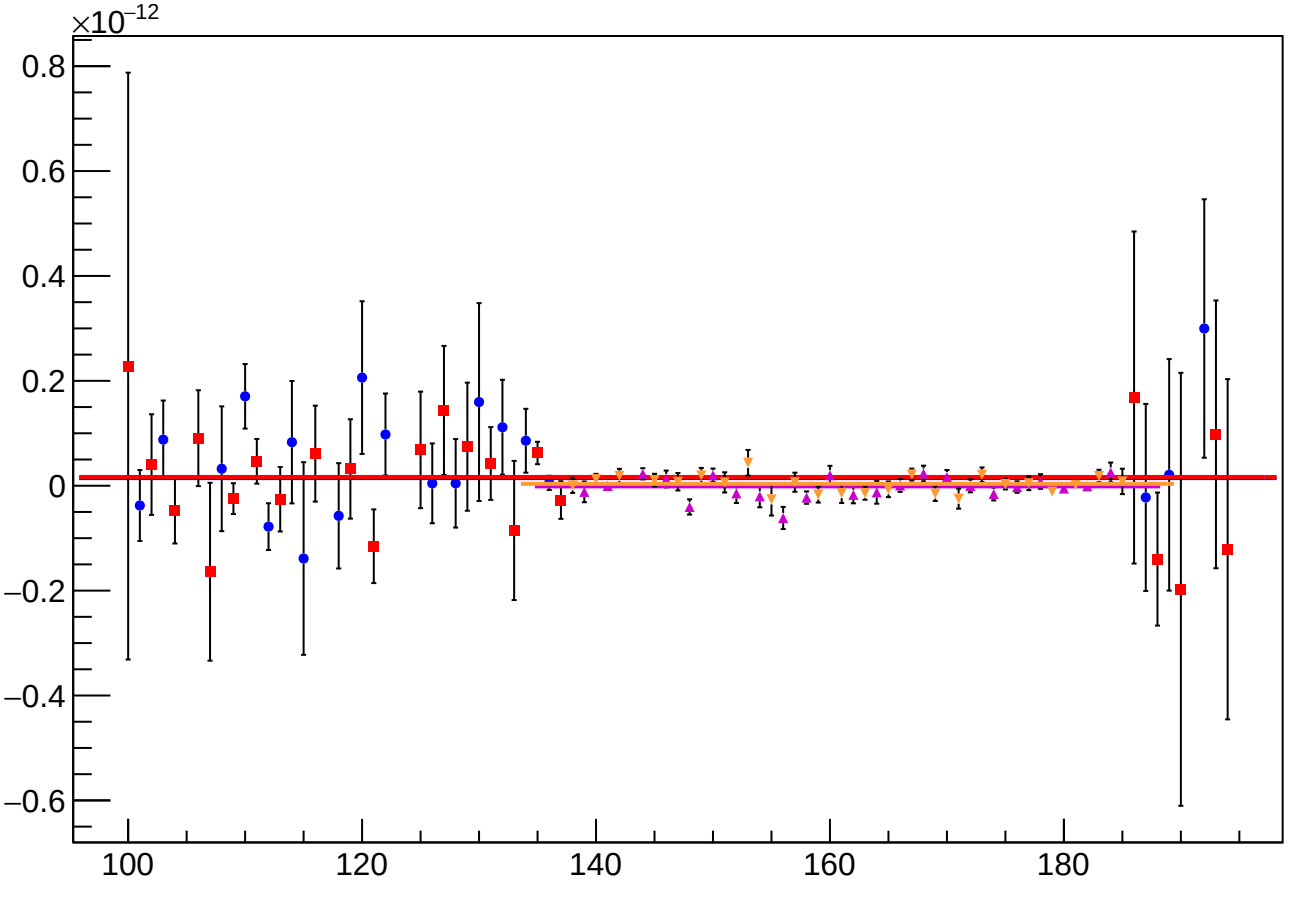
Right: 54.246+/-0.010 χ^2/NDF: 5487406.6/41

In: 49.875+/-0.008 χ^2/NDF:9880930.5/41

Out: 51.053+/-0.008 χ^2/NDF:10094042.4/46

All: 50.466+/-0.006 χ^2/NDF: 19985743.1/88

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

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

Left In: -0.000+/-0.000 χ^2/NDF:40.0/22

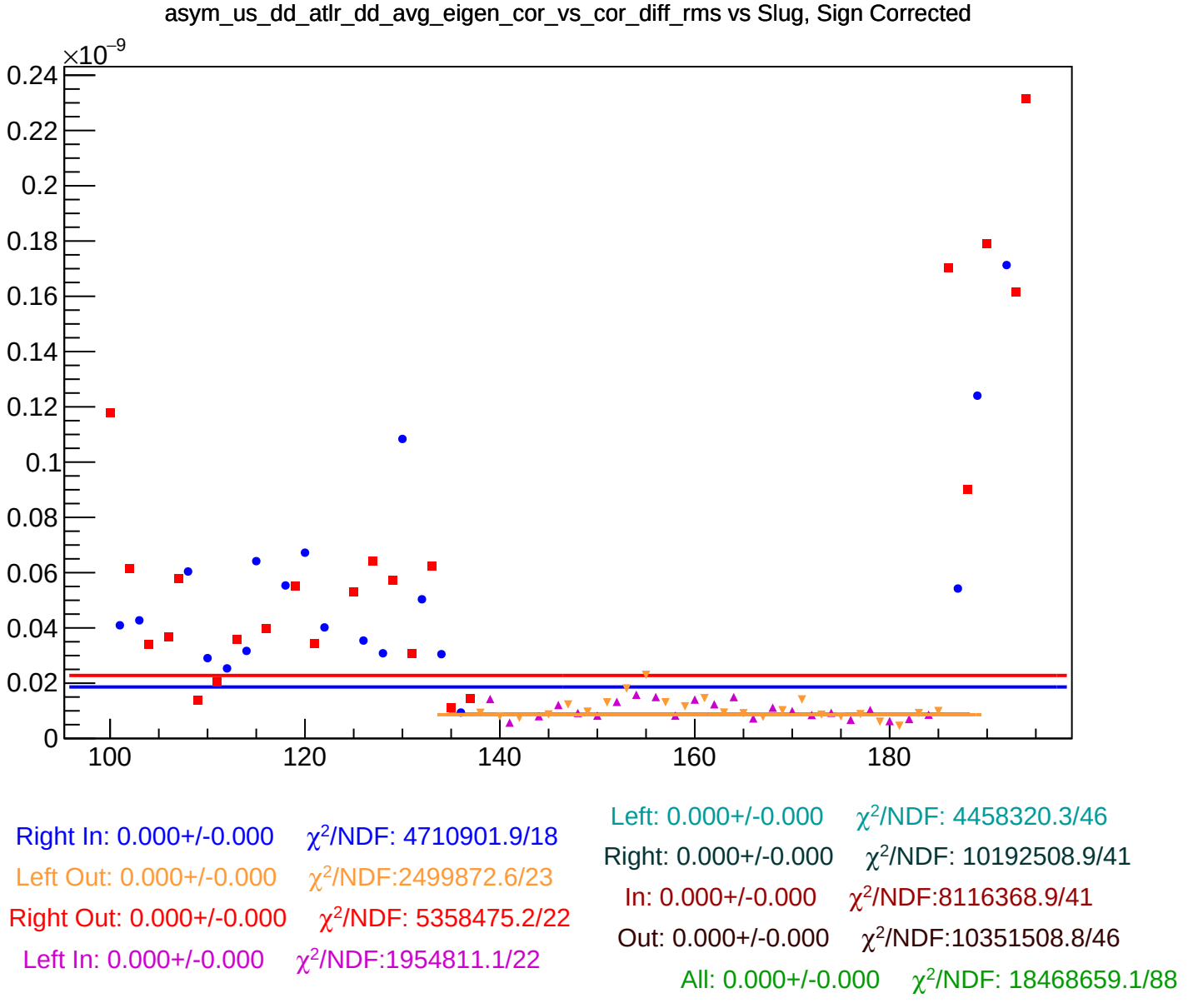
Left: 0.000+/-0.000 χ^2/NDF: 66.3/46

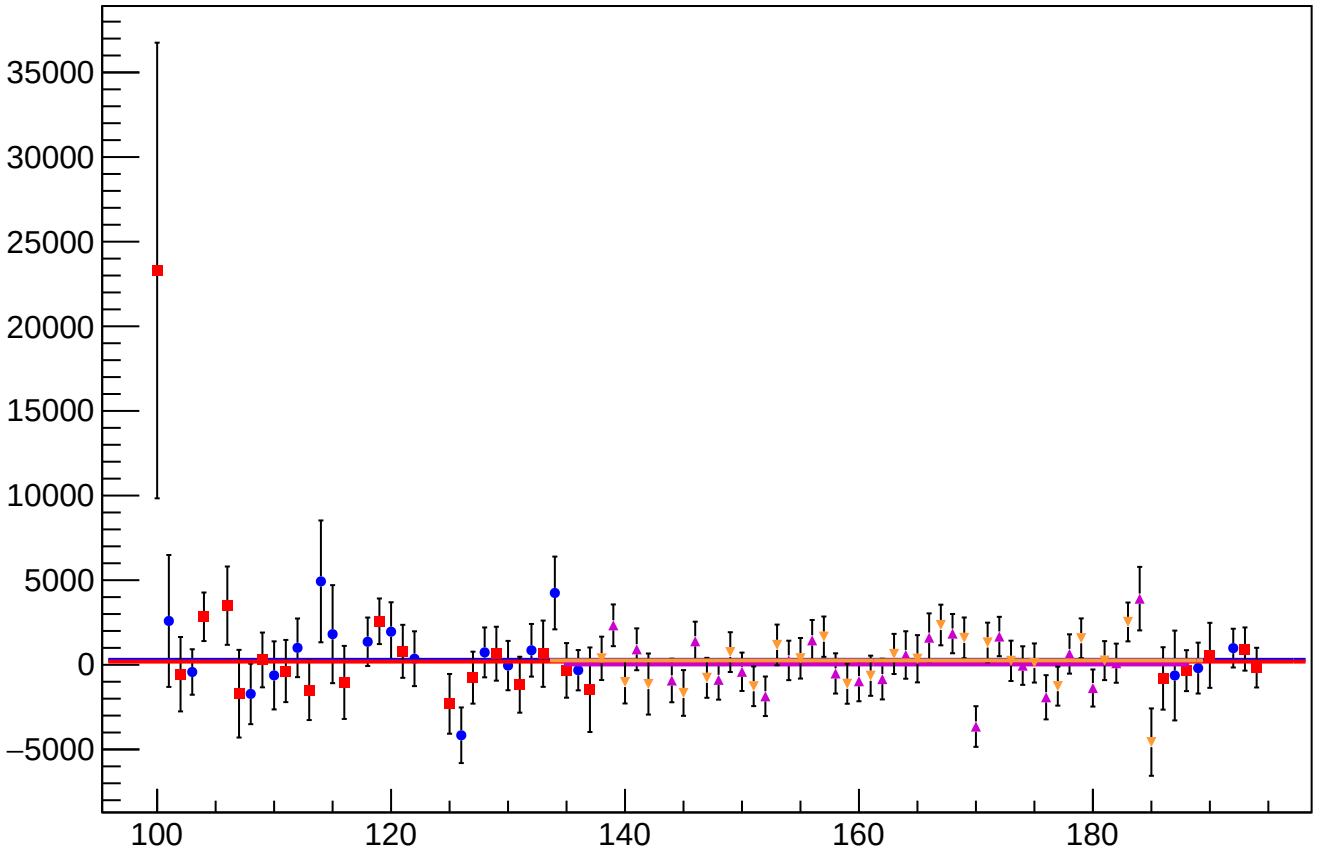
Right: 0.000+/-0.000 χ^2/NDF: 42.1/41

In: -0.000+/-0.000 χ^2/NDF:63.6/41

Out: 0.000+/-0.000 χ^2/NDF:46.0/46

All: 0.000+/-0.000 χ^2/NDF: 111.2/88


asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 4710901.9/18
Left Out: 0.000+/-0.000 χ²/NDF:2499872.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 5358475.2/22
Left In: 0.000+/-0.000 χ²/NDF:1954811.1/22
Left: 0.000+/-0.000 χ²/NDF: 4458320.3/46
Right: 0.000+/-0.000 χ²/NDF: 10192508.9/41
In: 0.000+/-0.000 χ²/NDF:8116368.9/41
Out: 0.000+/-0.000 χ²/NDF:10351508.8/46
All: 0.000+/-0.000 χ²/NDF: 18468659.1/88



Right In: 293.482+/-380.885 χ^2/NDF: 17.5/18

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: 190.146+/-351.213 χ^2/NDF: 18.4/22

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

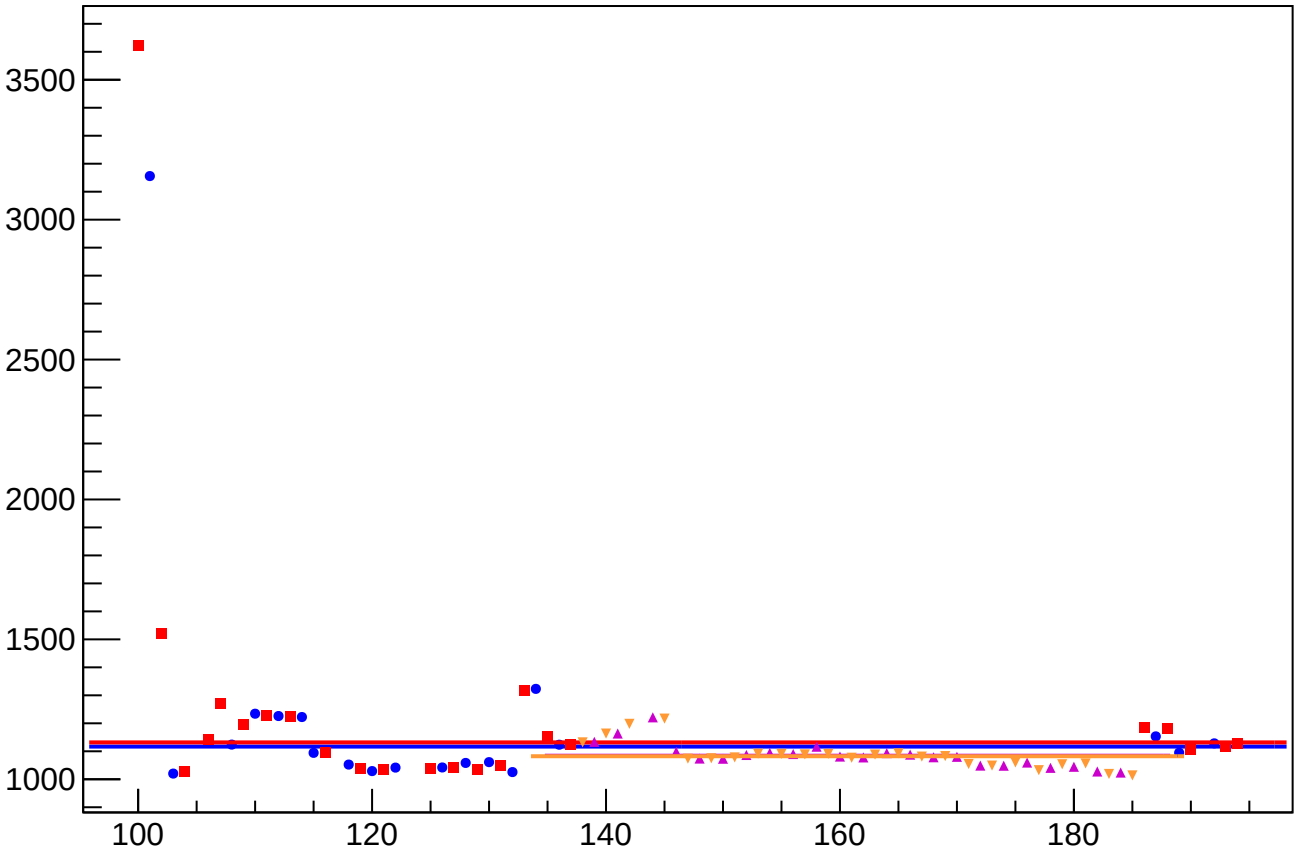
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 237.633+/-258.199 χ^2/NDF: 35.9/41

In: 105.519+/-210.936 χ^2/NDF:53.7/41

Out: 236.764+/-204.426 χ^2/NDF:46.6/46

All: 173.198+/-146.798 χ^2/NDF: 100.5/88



Right In: 1116.833+/-0.269 χ^2/NDF: 624409.7/18

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1131.805+/-0.248 χ^2/NDF: 228346.3/22

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

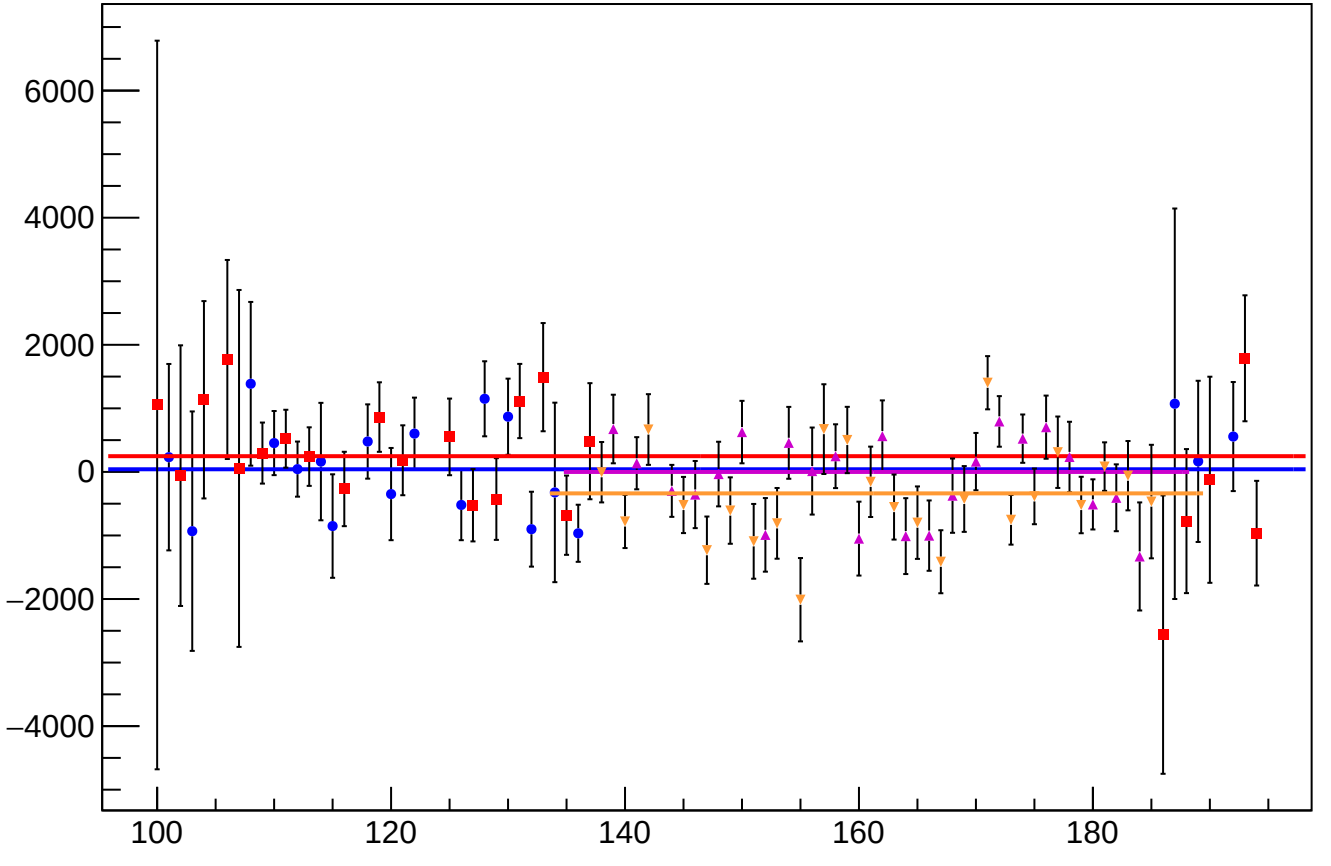
Right: 1124.925+/-0.183 χ^2/NDF: 854426.1/41

In: 1094.185+/-0.149 χ^2/NDF:688048.4/41

Out: 1099.077+/-0.145 χ^2/NDF:312485.3/46

All: 1096.708+/-0.104 χ^2/NDF: 1001088.3/88

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 41.489+/-157.036 χ^2/NDF: 19.7/18

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: 247.499+/-149.317 χ^2/NDF: 20.7/22

Left In: -0.547+/-104.733 χ^2/NDF:31.9/22

Left: -172.603+/-73.292 χ^2/NDF: 85.9/46

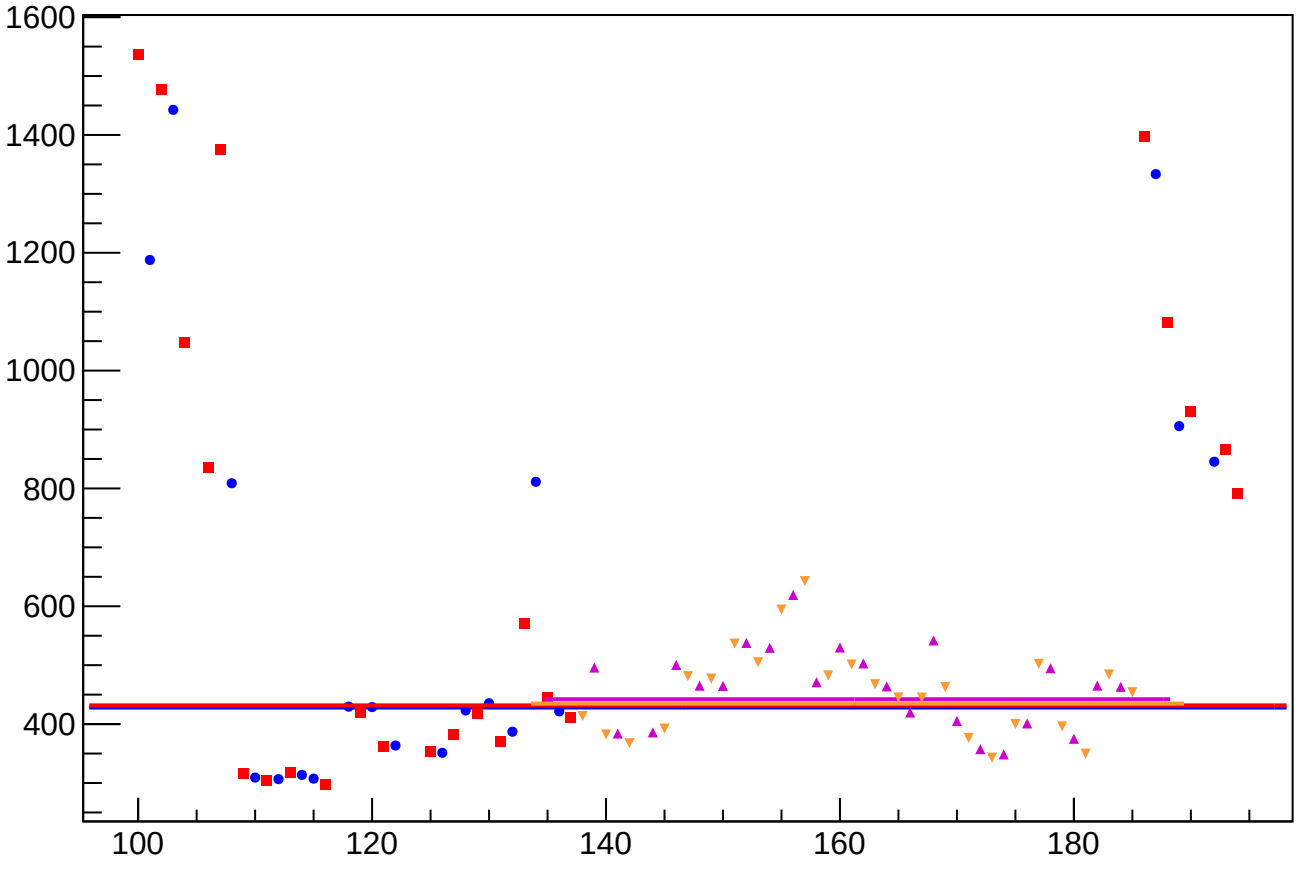
Right: 149.681+/-108.209 χ^2/NDF: 41.2/41

In: 12.395+/-87.132 χ^2/NDF:51.6/41

Out: -150.030+/-84.562 χ^2/NDF:79.9/46

All: -71.248+/-60.683 χ^2/NDF: 133.3/88

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 428.136+/-0.111 χ^2/NDF: 2786289.0/18

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 431.758+/-0.106 χ^2/NDF: 3931334.2/22

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

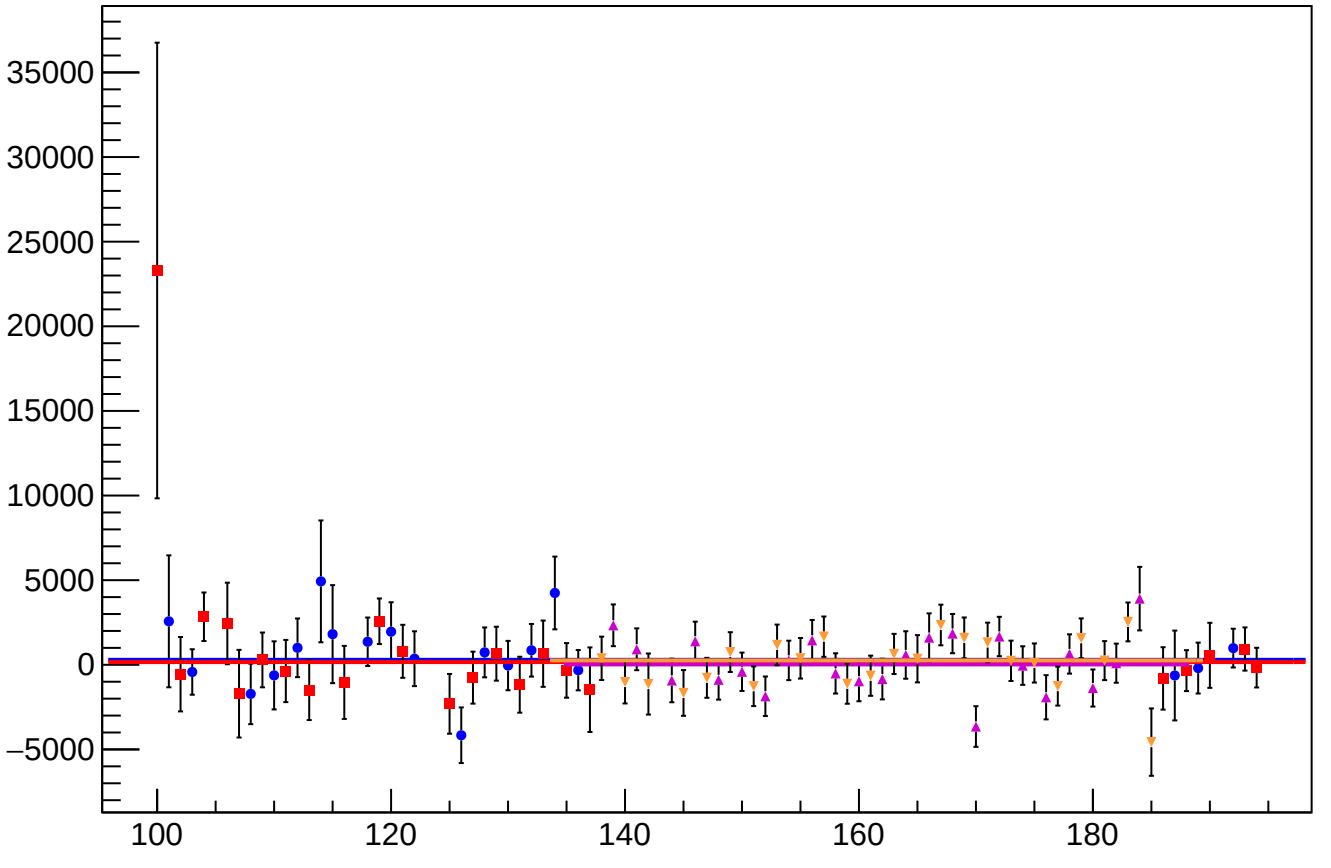
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 430.038+/-0.077 χ^2/NDF: 6718182.0/41

In: 437.876+/-0.062 χ^2/NDF:3623377.9/41

Out: 433.864+/-0.060 χ^2/NDF:4810336.4/46

All: 435.810+/-0.043 χ^2/NDF: 8435897.9/88



Right In: 293.197+/-380.885 χ^2/NDF: 17.5/18

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 161.871+/-351.526 χ^2/NDF: 17.2/22

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

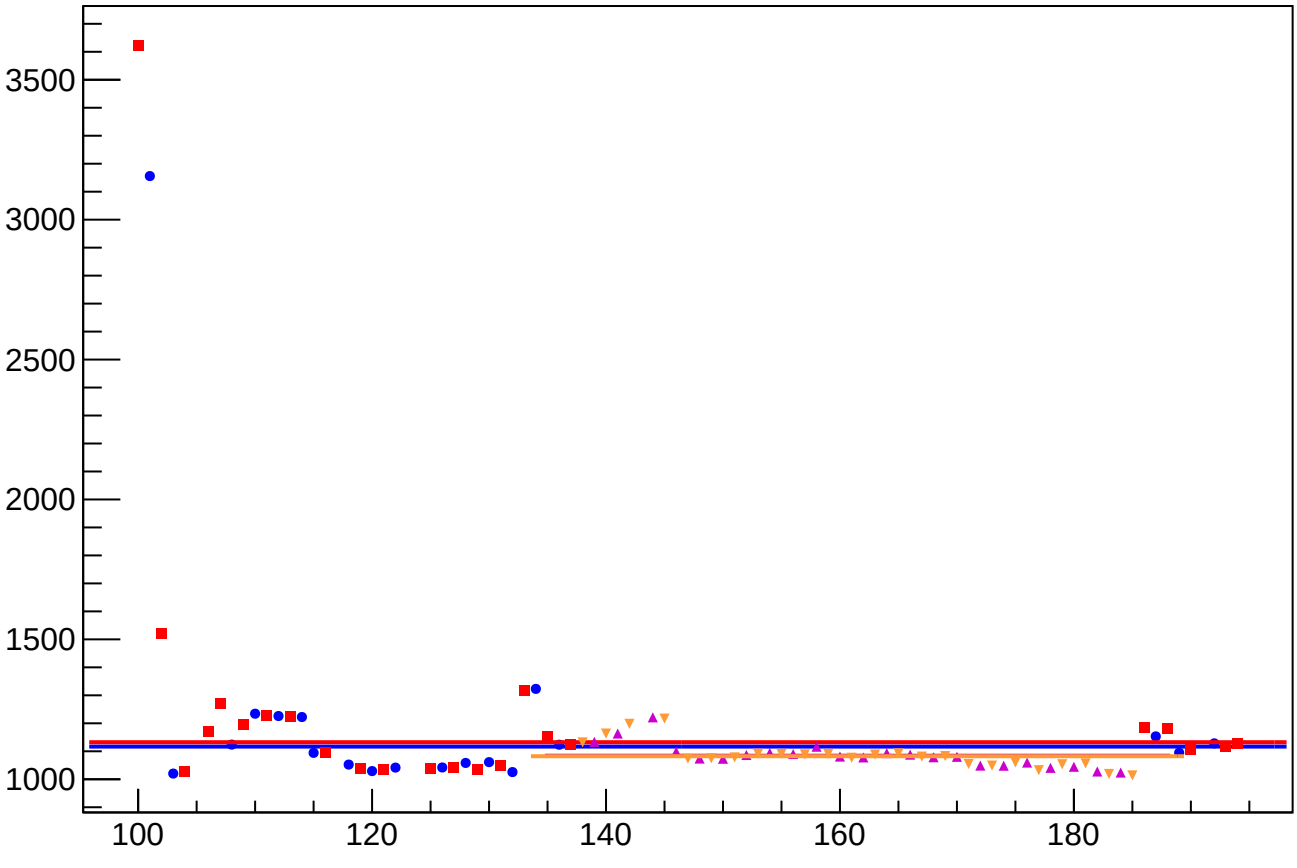
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 222.278+/-258.323 χ^2/NDF: 34.8/41

In: 105.427+/-210.936 χ^2/NDF:53.7/41

Out: 227.217+/-204.488 χ^2/NDF:45.5/46

All: 168.212+/-146.821 χ^2/NDF: 99.3/88



Right In: 1116.833+/-0.269 χ^2/NDF: 624410.7/18

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1132.458+/-0.249 χ^2/NDF: 228862.1/22

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

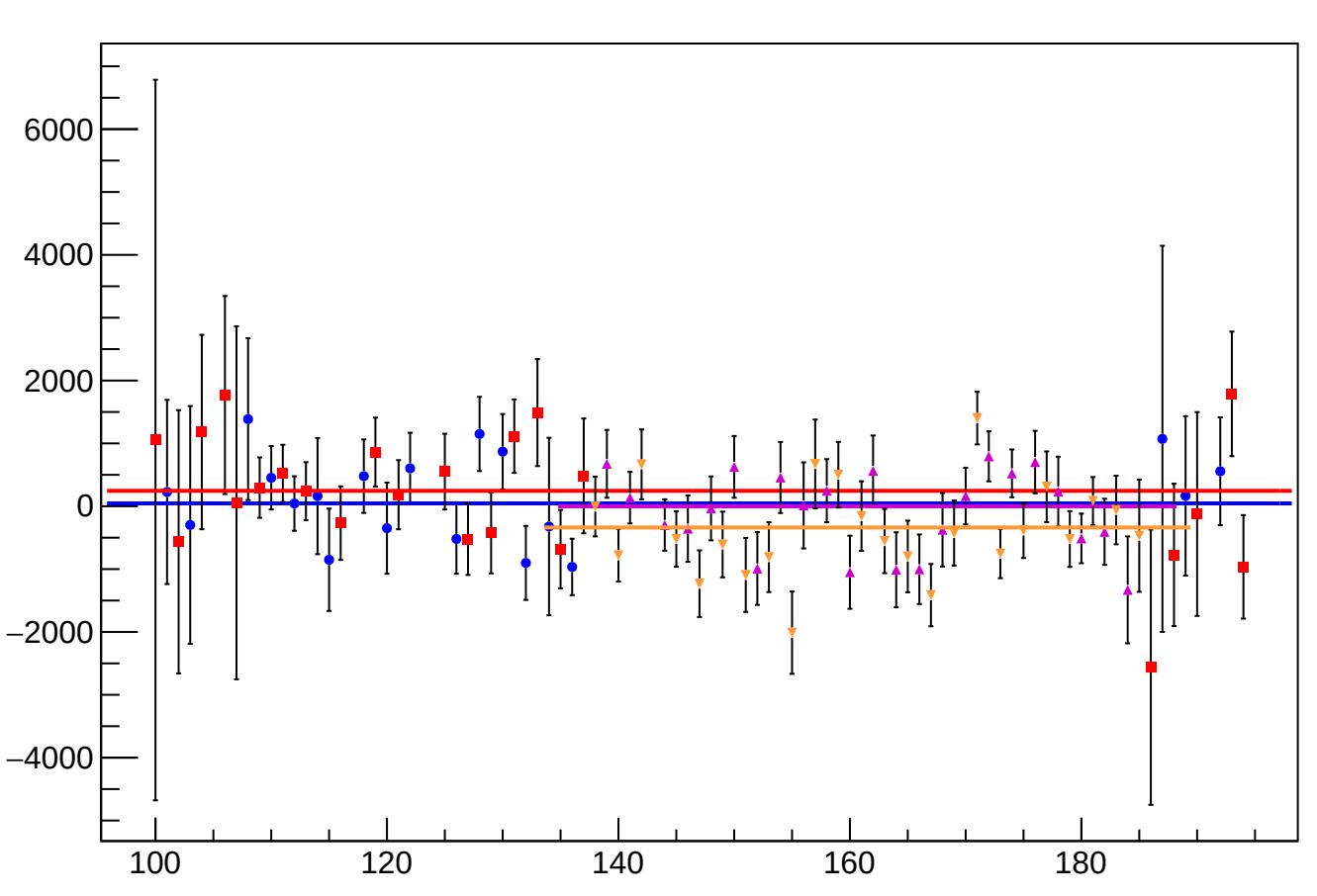
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1125.271+/-0.183 χ^2/NDF: 855090.2/41

In: 1094.185+/-0.149 χ^2/NDF:688049.3/41

Out: 1099.278+/-0.145 χ^2/NDF:313666.5/46

All: 1096.811+/-0.104 χ^2/NDF: 1002316.8/88



Right In: 45.721+/-157.037 χ^2/NDF: 19.5/18

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: 245.362+/-149.337 χ^2/NDF: 20.8/22

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

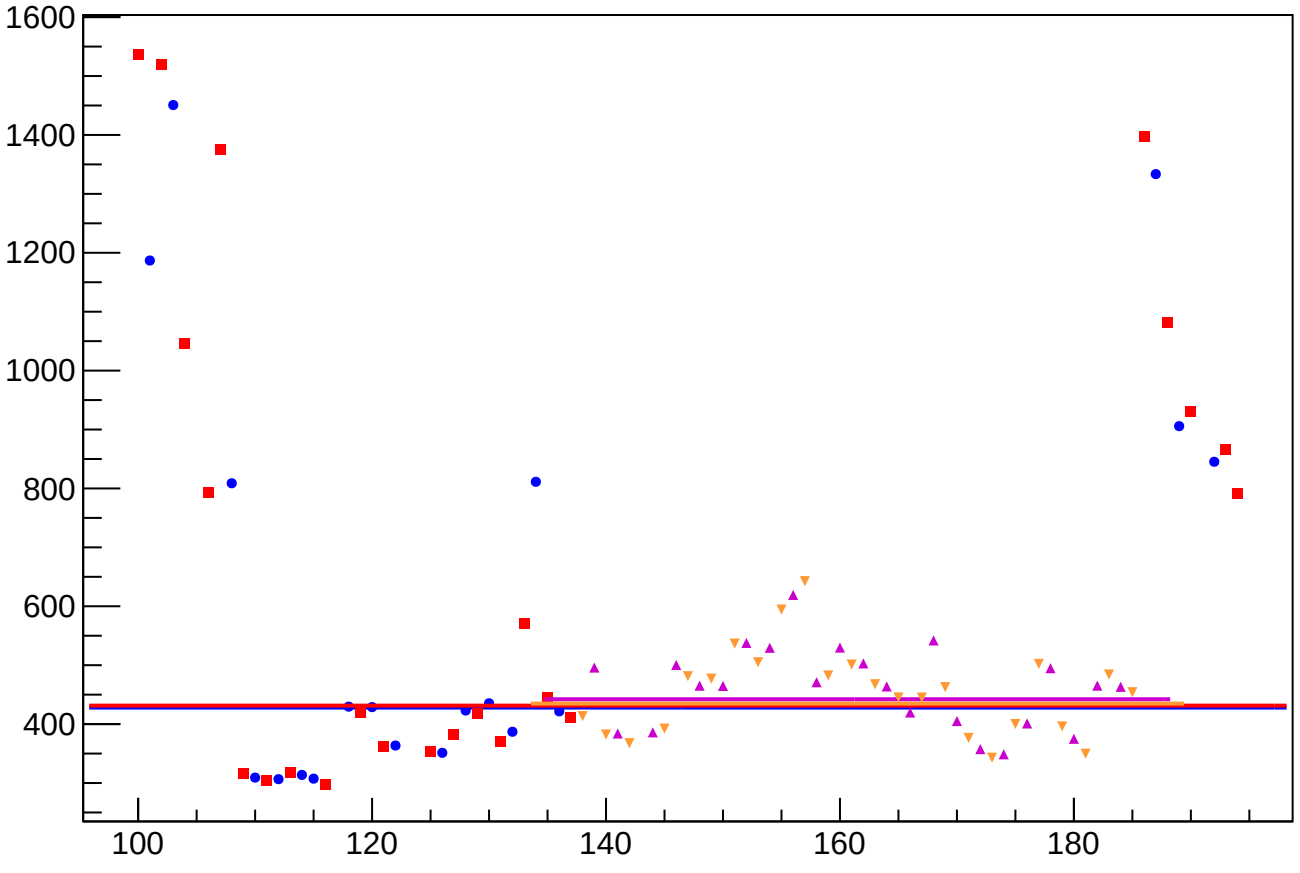
Right: 150.555+/-108.217 χ^2/NDF: 41.1/41

In: 13.683+/-87.132 χ^2/NDF:51.4/41

Out: -150.812+/-84.565 χ^2/NDF:80.0/46

All: -71.023+/-60.684 χ^2/NDF: 133.2/88

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 428.125+/-0.111 χ^2/NDF: 2790016.6/18

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 431.346+/-0.106 χ^2/NDF: 3922808.2/22

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

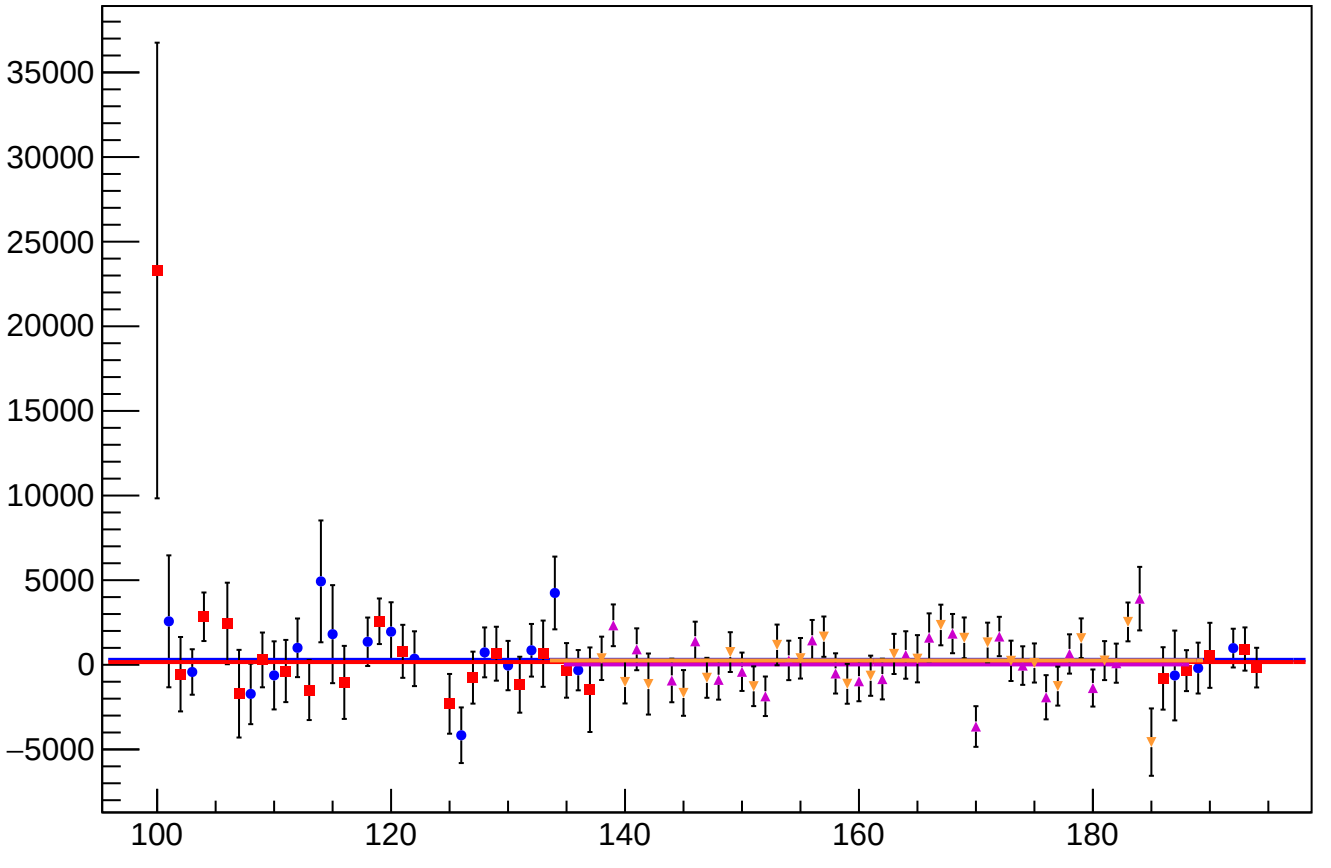
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 429.816+/-0.077 χ^2/NDF: 6713266.5/41

In: 437.873+/-0.062 χ^2/NDF:3626996.7/41

Out: 433.730+/-0.060 χ^2/NDF:4802066.0/46

All: 435.740+/-0.043 χ^2/NDF: 8431391.4/88



Right In: 293.197+/-380.885 χ^2/NDF: 17.5/18

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 161.871+/-351.526 χ^2/NDF: 17.2/22

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

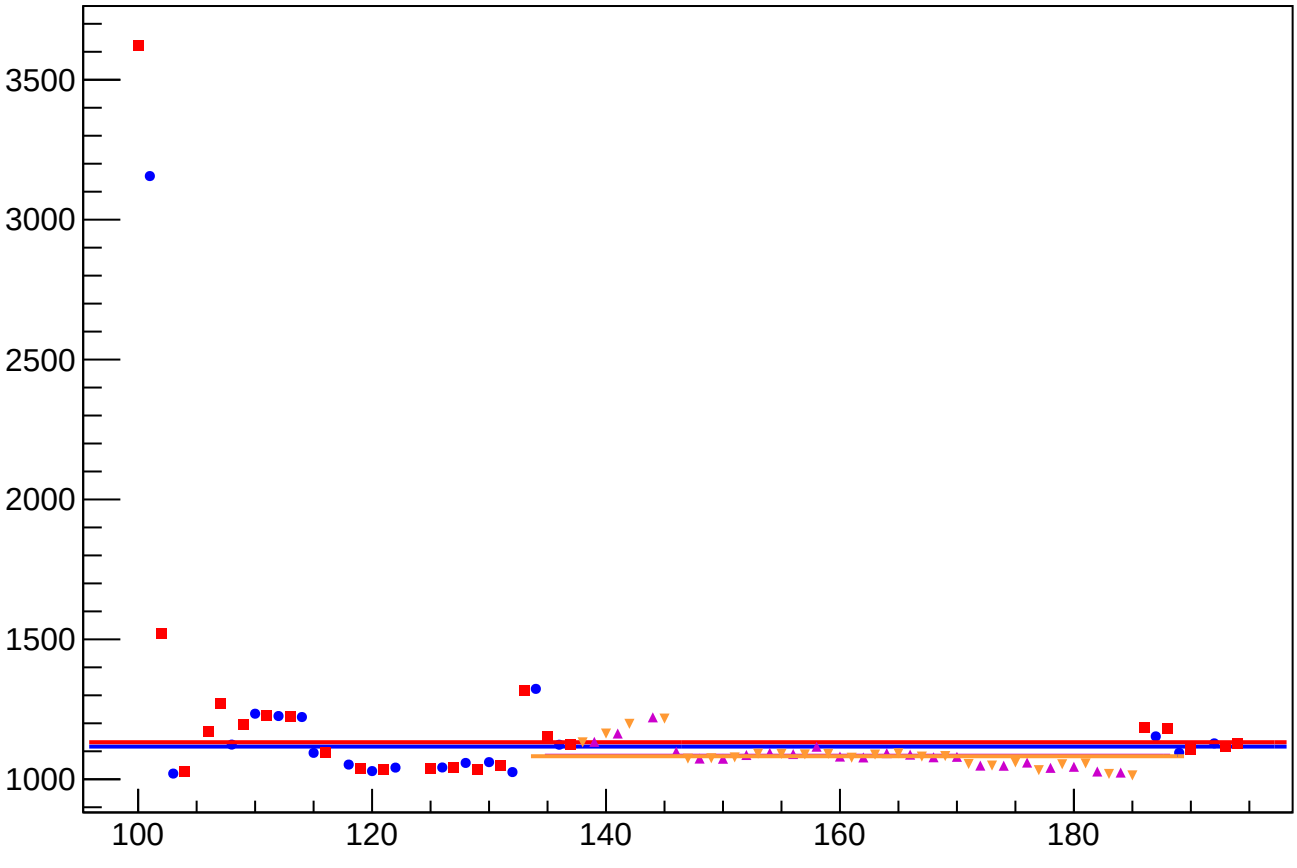
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 222.278+/-258.323 χ^2/NDF: 34.8/41

In: 105.427+/-210.936 χ^2/NDF:53.7/41

Out: 227.217+/-204.488 χ^2/NDF:45.5/46

All: 168.212+/-146.821 χ^2/NDF: 99.3/88



Right In: 1116.833+/-0.269 χ^2/NDF: 624410.7/18

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1132.458+/-0.249 χ^2/NDF: 228862.1/22

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

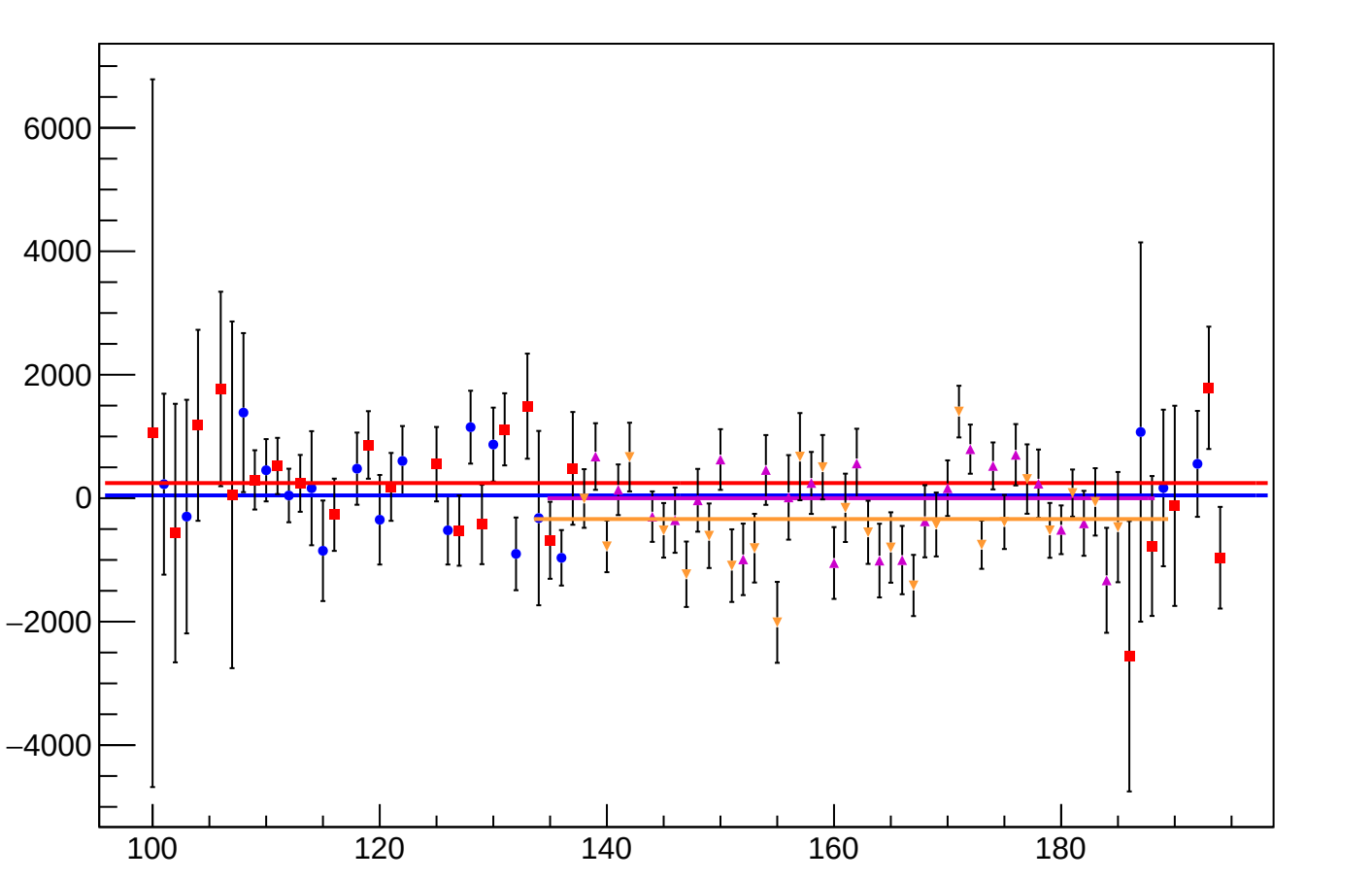
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1125.271+/-0.183 χ^2/NDF: 855090.2/41

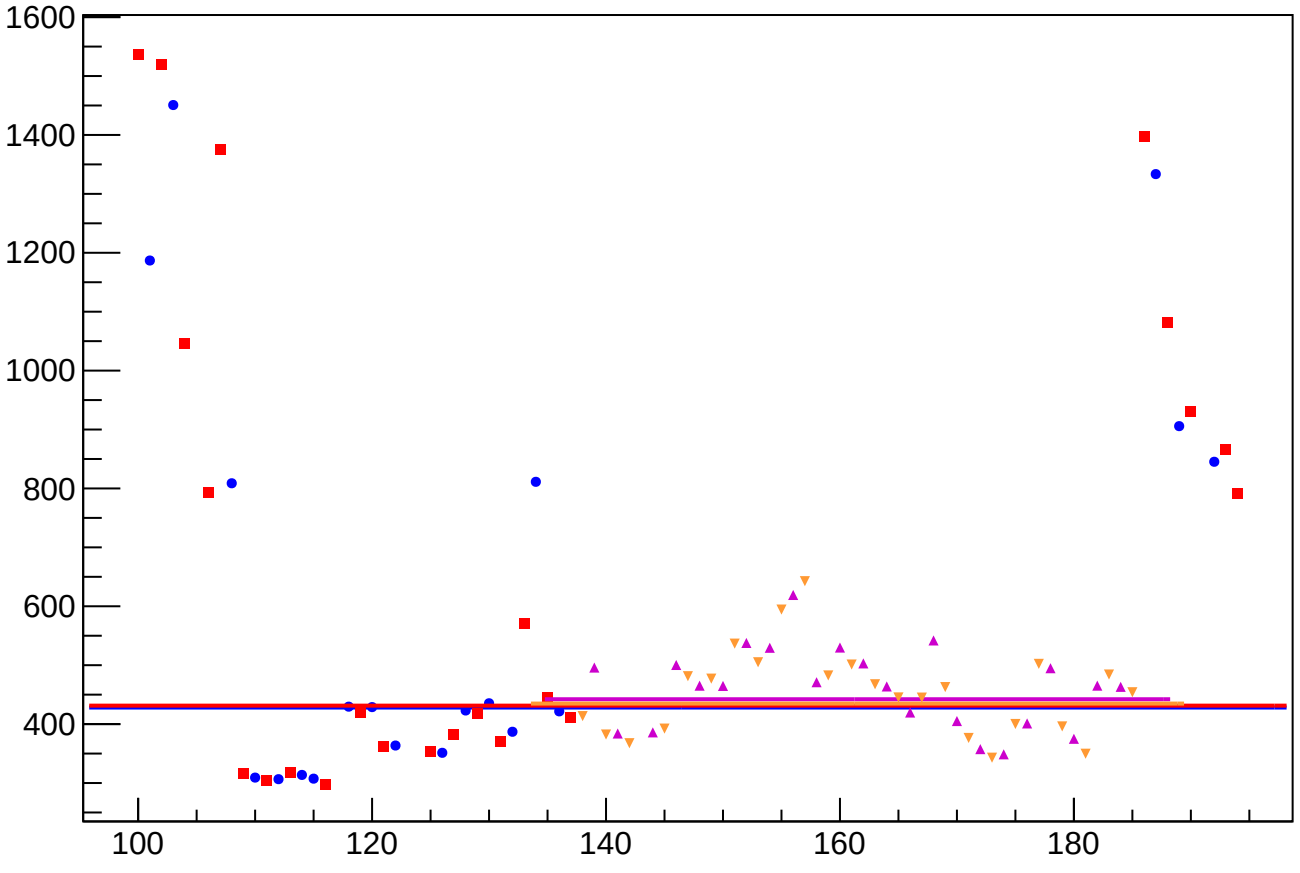
In: 1094.185+/-0.149 χ^2/NDF:688049.3/41

Out: 1099.278+/-0.145 χ^2/NDF:313666.5/46

All: 1096.811+/-0.104 χ^2/NDF: 1002316.8/88


asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
Right In: 45.721+/-157.037 χ²/NDF: 19.5/18
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: 245.362+/-149.337 χ²/NDF: 20.8/22
Left In: -0.567+/-104.733 χ²/NDF:31.9/22
Left: -172.659+/-73.292 χ²/NDF: 85.9/46
Right: 150.555+/-108.217 χ²/NDF: 41.1/41
In: 13.683+/-87.132 χ²/NDF:51.4/41
Out: -150.812+/-84.565 χ²/NDF:80.0/46
All: -71.023+/-60.684 χ²/NDF: 133.2/88

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 428.125+/-0.111 χ^2/NDF: 2790016.6/18

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 431.346+/-0.106 χ^2/NDF: 3922808.2/22

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

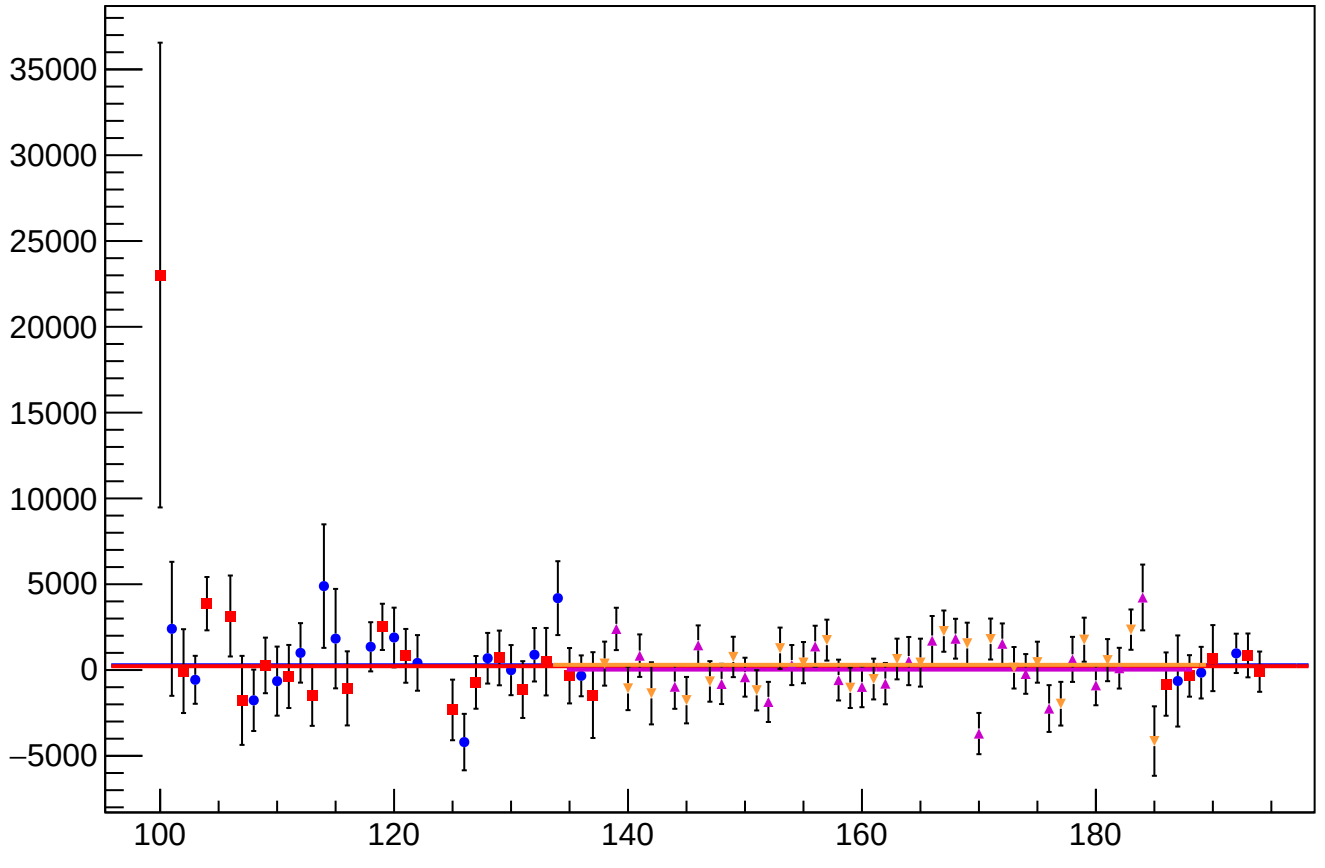
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 429.816+/-0.077 χ^2/NDF: 6713266.5/41

In: 437.873+/-0.062 χ^2/NDF:3626996.7/41

Out: 433.730+/-0.060 χ^2/NDF:4802066.0/46

All: 435.740+/-0.043 χ^2/NDF: 8431391.4/88



Right In: 278.499+/-382.374 χ^2/NDF: 17.5/18

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: 222.782+/-354.087 χ^2/NDF: 19.6/22

Left In: 25.319+/-256.866 χ^2/NDF:35.9/22

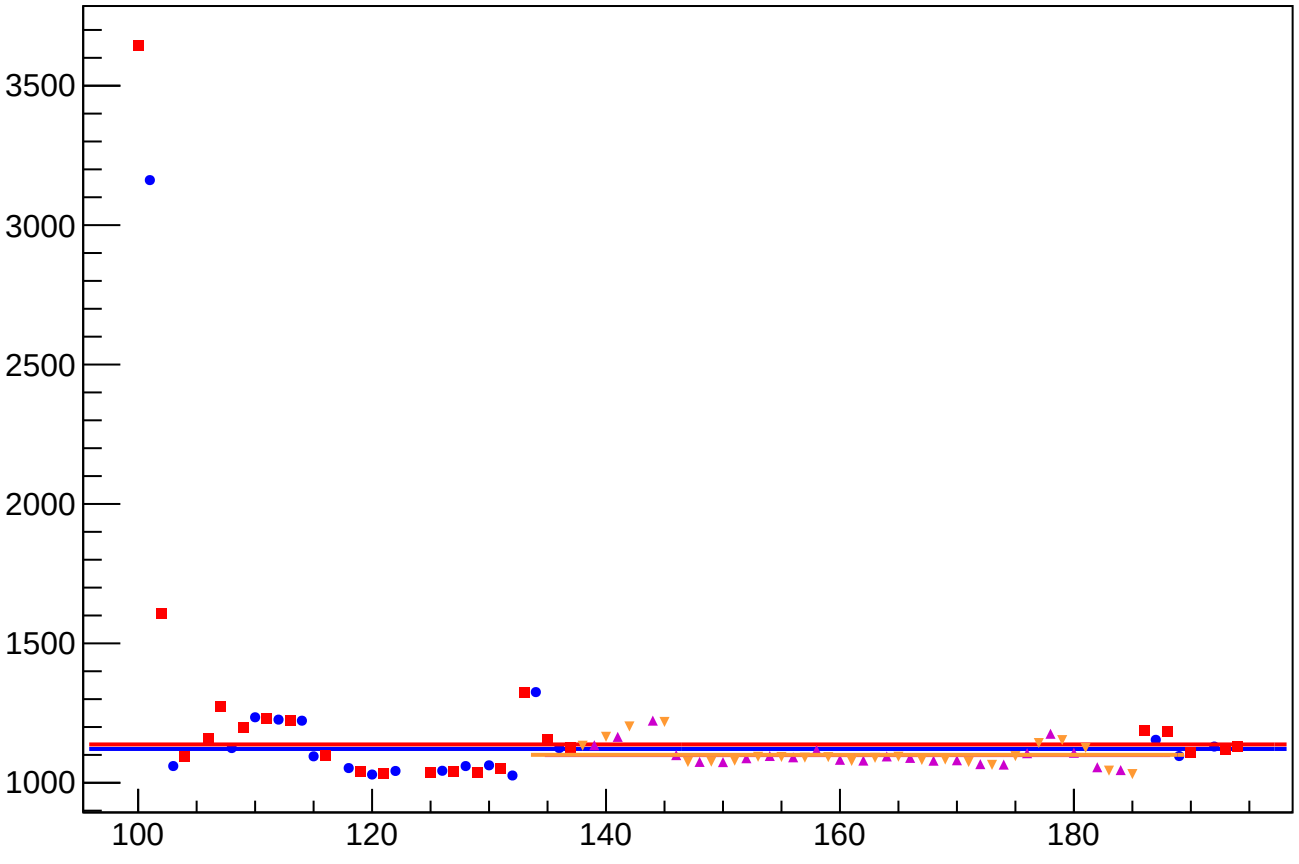
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 248.504+/-259.803 χ^2/NDF: 37.2/41

In: 104.044+/-213.222 χ^2/NDF:53.7/41

Out: 275.791+/-207.222 χ^2/NDF:48.1/46

All: 192.368+/-148.604 χ^2/NDF: 102.2/88



Right In: 1121.297+/-0.270 χ^2/NDF: 618015.7/18

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

Right Out: 1137.540+/-0.250 χ^2/NDF: 232902.2/22

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

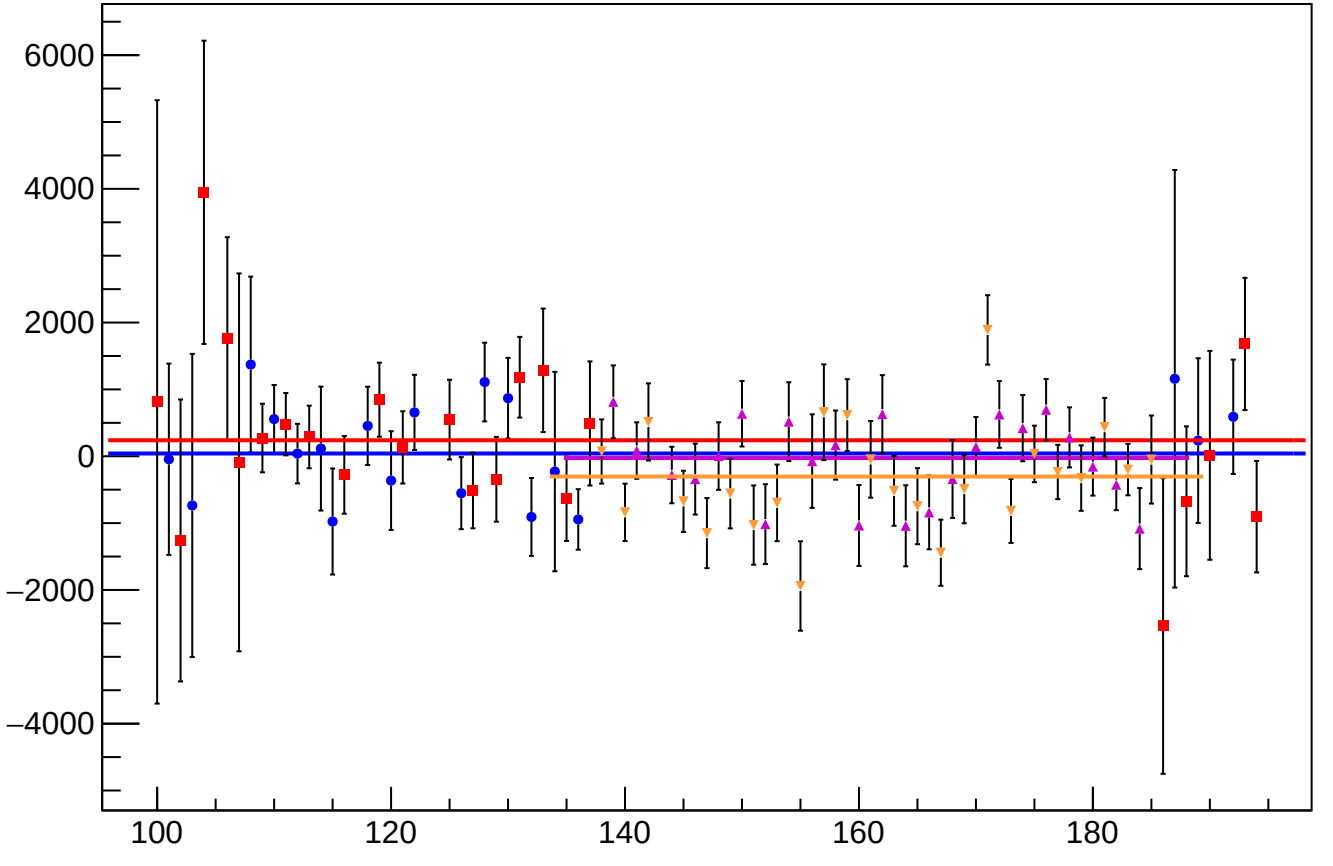
Right: 1130.041+/-0.184 χ^2/NDF: 852861.0/41

In: 1106.169+/-0.151 χ^2/NDF:667344.4/41

Out: 1113.027+/-0.147 χ^2/NDF:296254.9/46

All: 1109.696+/-0.105 χ^2/NDF: 964663.5/88

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 41.293+/-157.513 χ^2/NDF: 20.2/18

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: 238.957+/-151.598 χ^2/NDF: 21.4/22

Left In: -26.740+/-105.420 χ^2/NDF:27.9/22

Left: -168.216+/-73.665 χ^2/NDF: 80.9/46

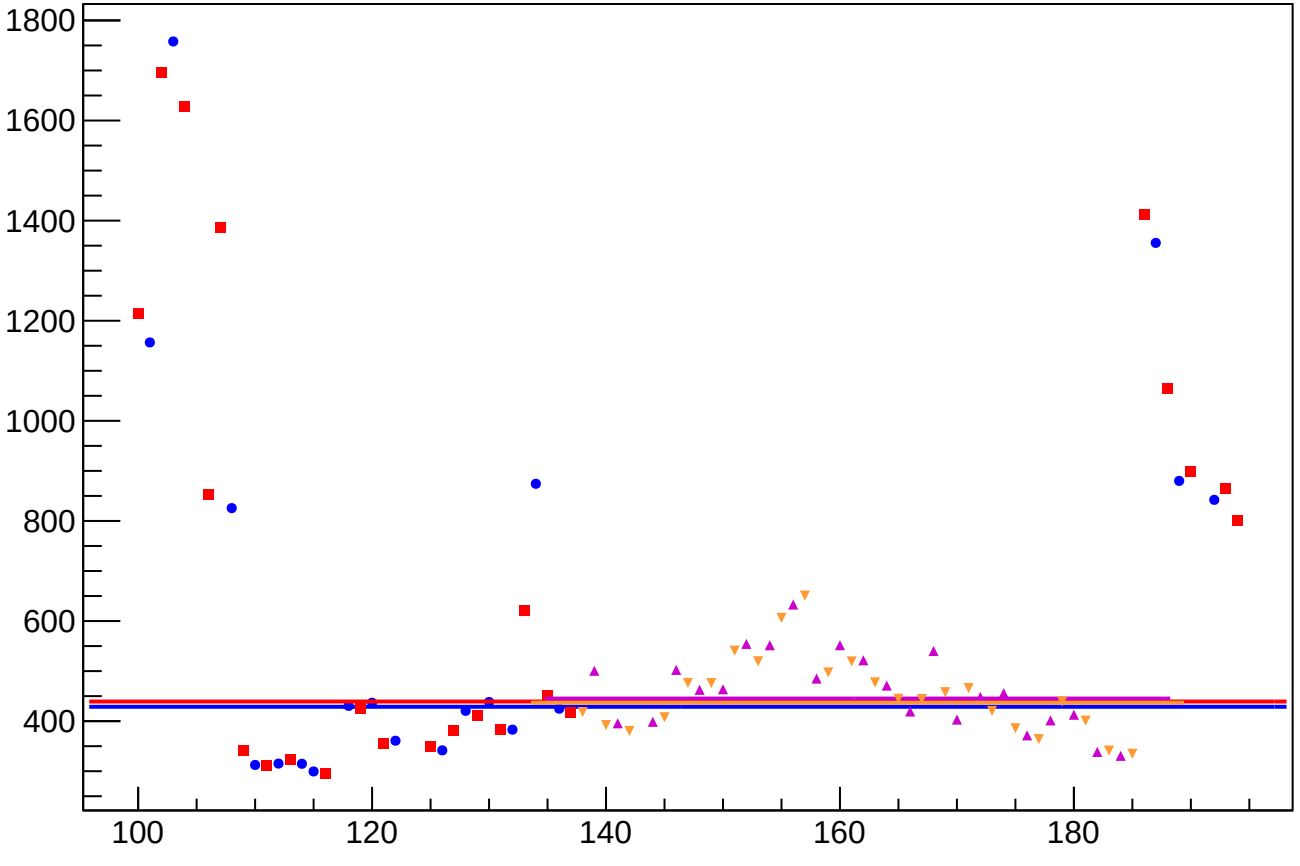
Right: 143.906+/-109.227 χ^2/NDF: 42.4/41

In: -5.693+/-87.609 χ^2/NDF:48.2/41

Out: -132.029+/-85.184 χ^2/NDF:79.7/46

All: -70.634+/-61.074 χ^2/NDF: 129.0/88

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 428.743+/-0.111 χ^2/NDF: 2889609.0/18

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 439.232+/-0.107 χ^2/NDF: 4301798.9/22

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

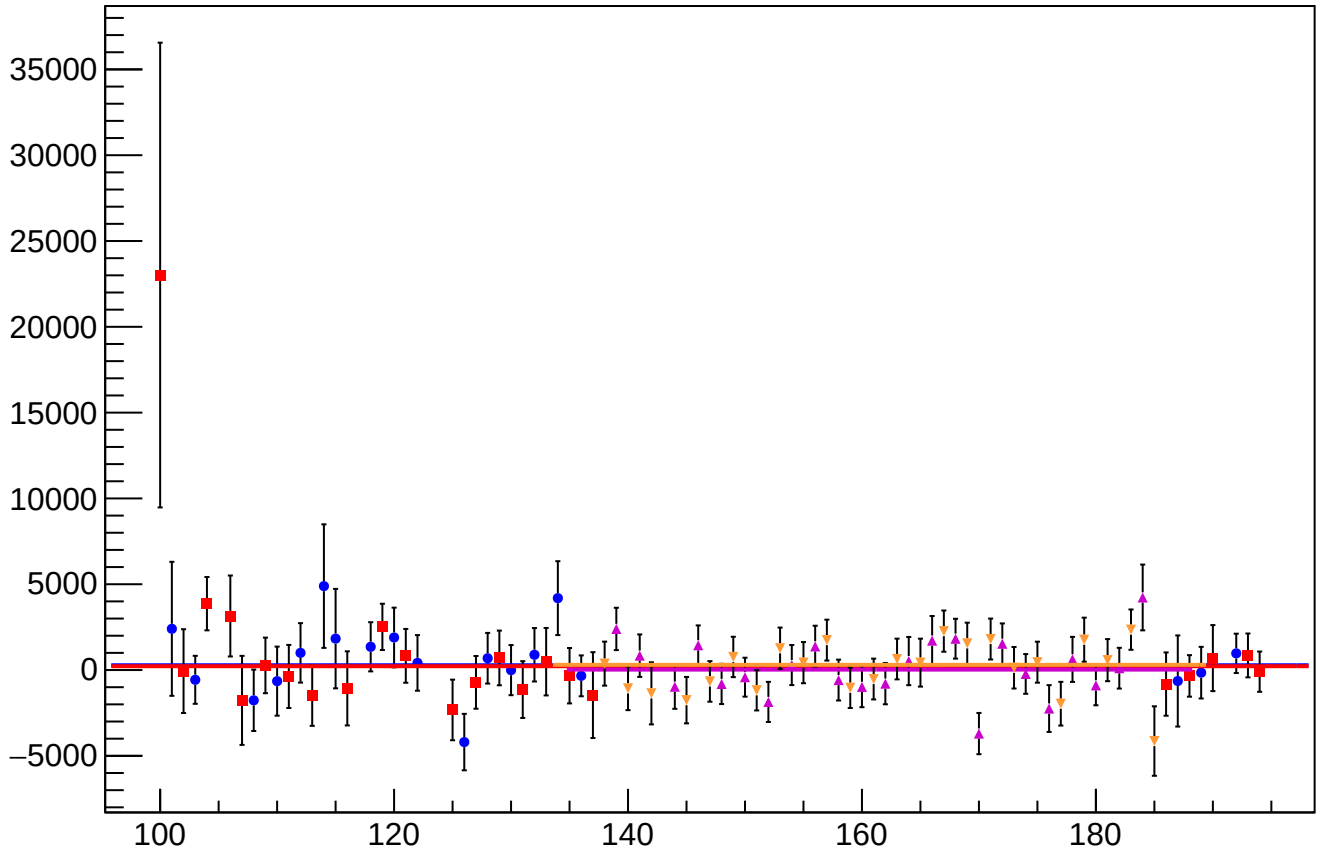
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 434.188+/-0.077 χ^2/NDF: 7196011.7/41

In: 440.046+/-0.062 χ^2/NDF:3779054.8/41

Out: 437.559+/-0.060 χ^2/NDF:5157361.2/46

All: 438.768+/-0.043 χ^2/NDF: 8937244.3/88



Right In: 278.501+/-382.374 χ^2/NDF: 17.5/18

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: 222.782+/-354.087 χ^2/NDF: 19.6/22

Left In: 25.320+/-256.866 χ^2/NDF:35.9/22

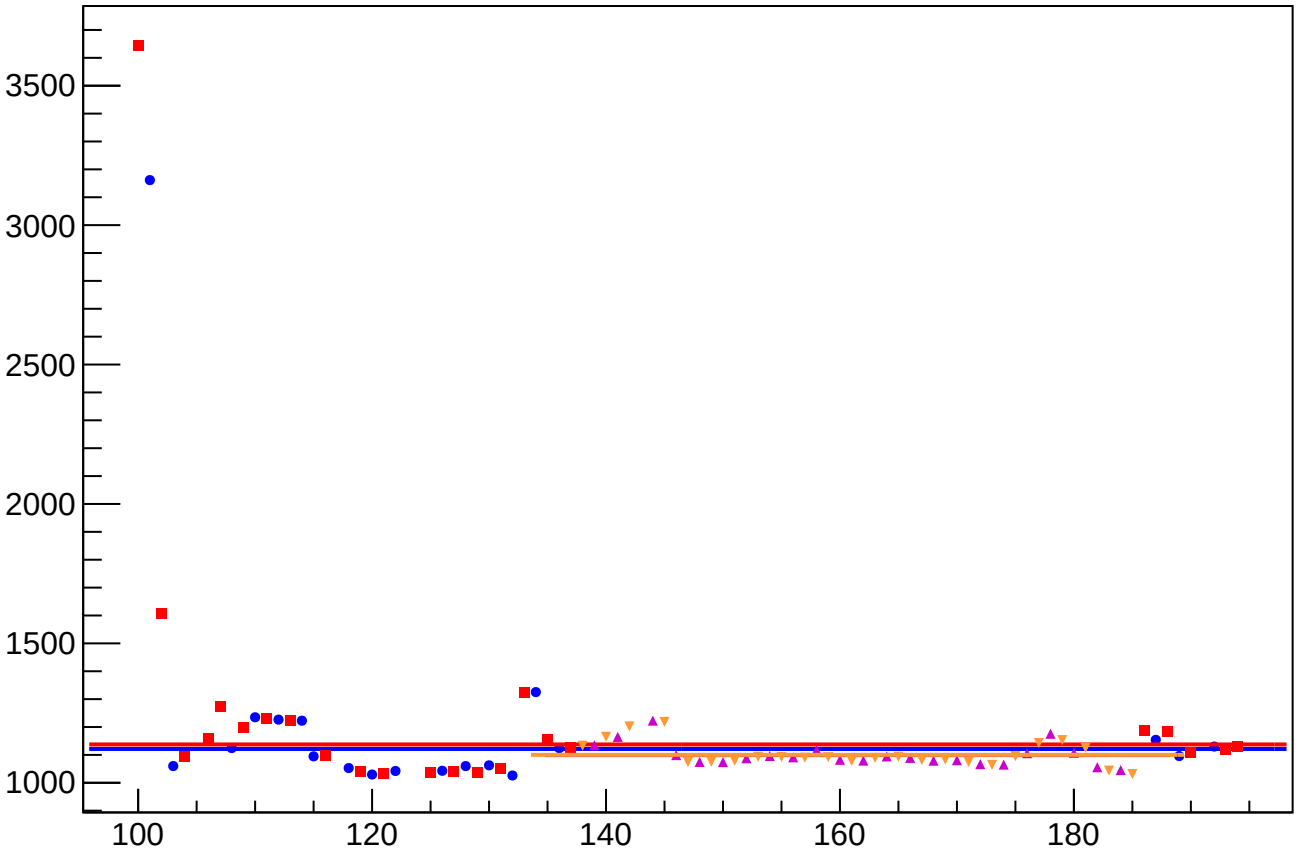
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 248.505+/-259.803 χ^2/NDF: 37.2/41

In: 104.046+/-213.222 χ^2/NDF:53.7/41

Out: 275.790+/-207.222 χ^2/NDF:48.1/46

All: 192.368+/-148.604 χ^2/NDF: 102.2/88



Right In: 1121.297+/-0.270 χ^2/NDF: 618015.7/18

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

Right Out: 1137.540+/-0.250 χ^2/NDF: 232902.2/22

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

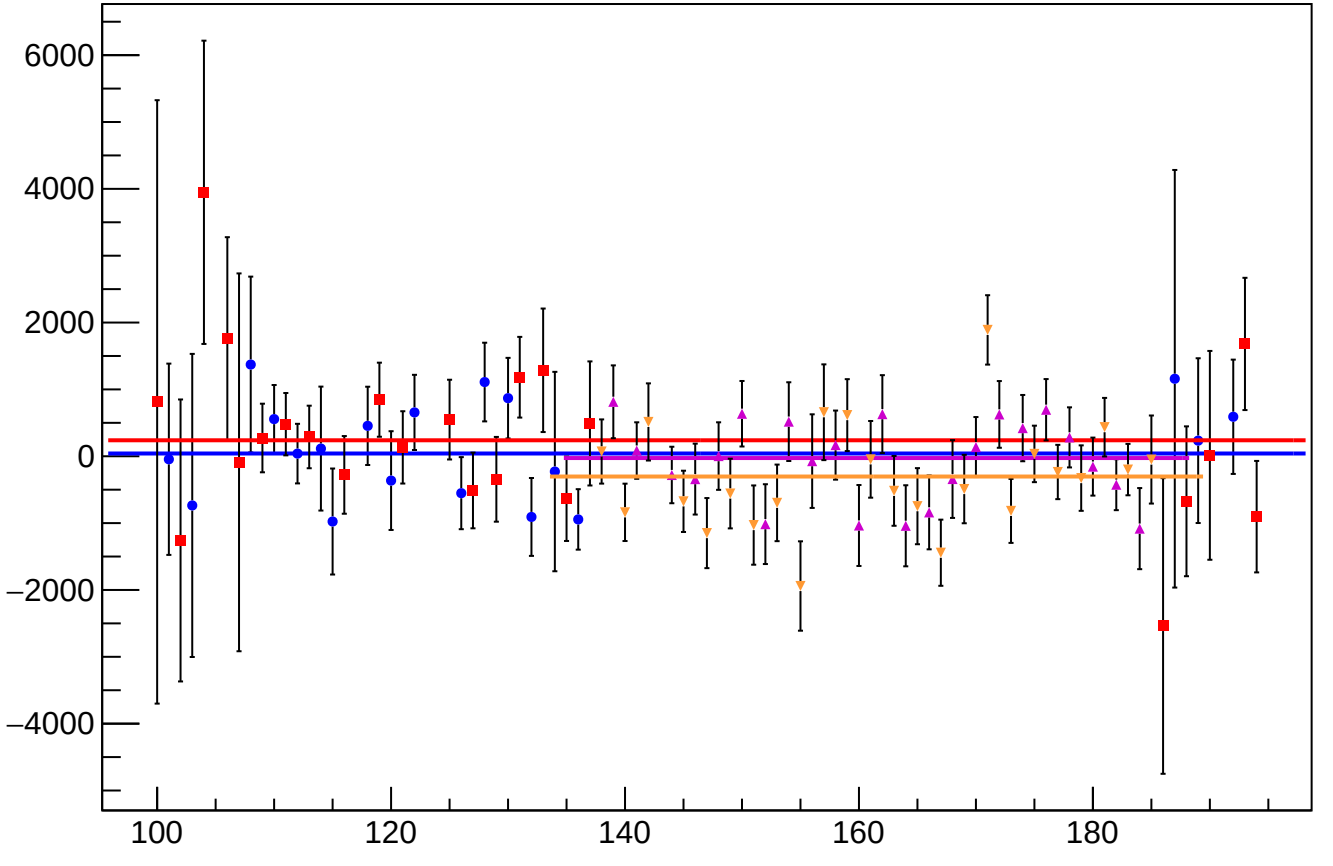
Right: 1130.041+/-0.184 χ^2/NDF: 852861.0/41

In: 1106.169+/-0.151 χ^2/NDF:667344.6/41

Out: 1113.027+/-0.147 χ^2/NDF:296255.2/46

All: 1109.696+/-0.105 χ^2/NDF: 964663.9/88

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 41.290+/-157.512 χ^2/NDF: 20.2/18

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

Right Out: 238.955+/-151.597 χ^2/NDF: 21.4/22

Left In: -26.739+/-105.420 χ^2/NDF:27.9/22

Left: -168.217+/-73.665 χ^2/NDF: 80.9/46

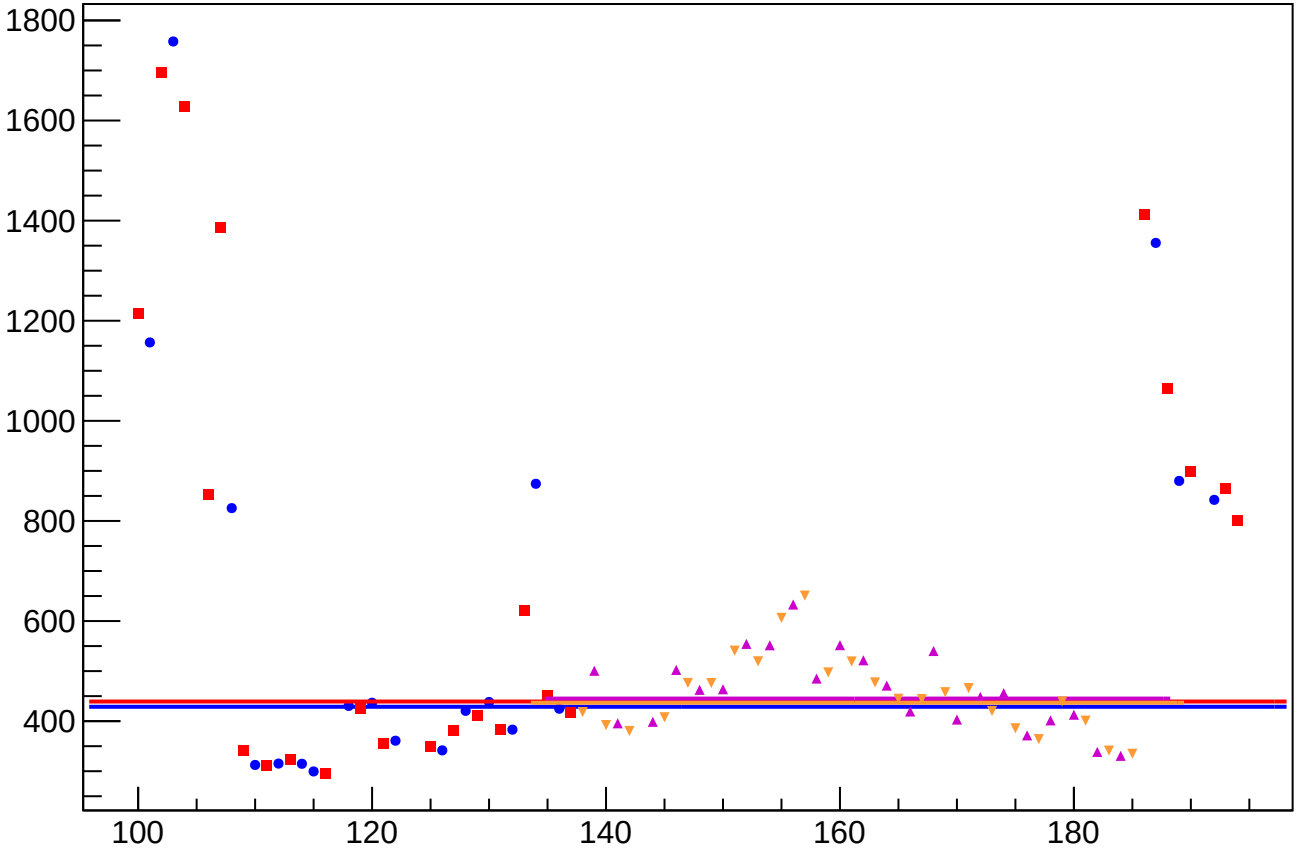
Right: 143.903+/-109.226 χ^2/NDF: 42.4/41

In: -5.694+/-87.609 χ^2/NDF:48.2/41

Out: -132.029+/-85.184 χ^2/NDF:79.7/46

All: -70.634+/-61.074 χ^2/NDF: 129.0/88

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 428.740+/-0.111 χ^2/NDF: 2889612.9/18

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 439.229+/-0.107 χ^2/NDF: 4301818.9/22

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

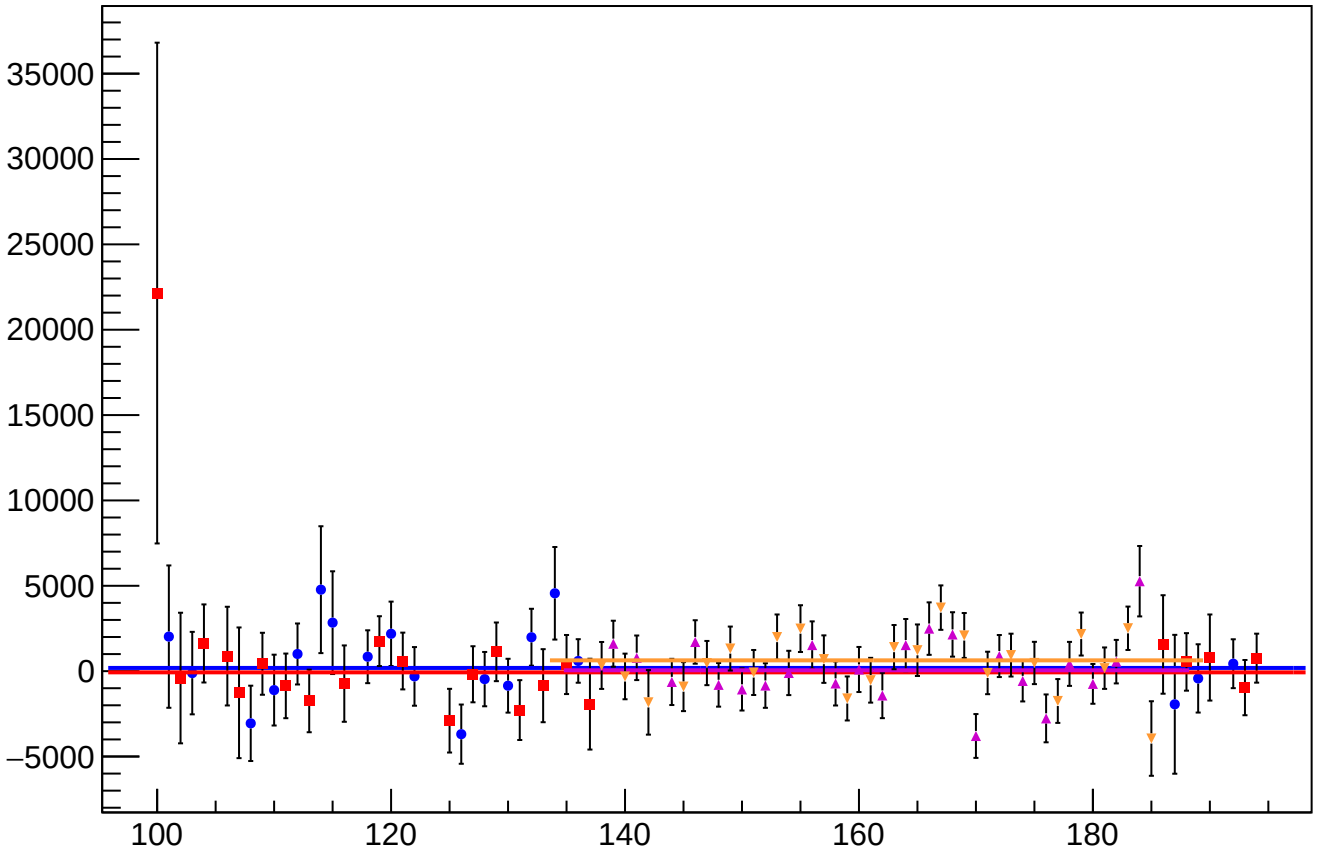
Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

Right: 434.185+/-0.077 χ^2/NDF: 7196035.4/41

In: 440.045+/-0.062 χ^2/NDF:3779097.7/41

Out: 437.558+/-0.060 χ^2/NDF:5157410.5/46

All: 438.766+/-0.043 χ^2/NDF: 8937336.6/88



Right In: 188.423+/-436.904 χ^2/NDF: 16.5/18

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: -70.330+/-412.474 χ^2/NDF: 12.3/22

Left In: 50.835+/-276.213 χ^2/NDF:35.0/22

Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

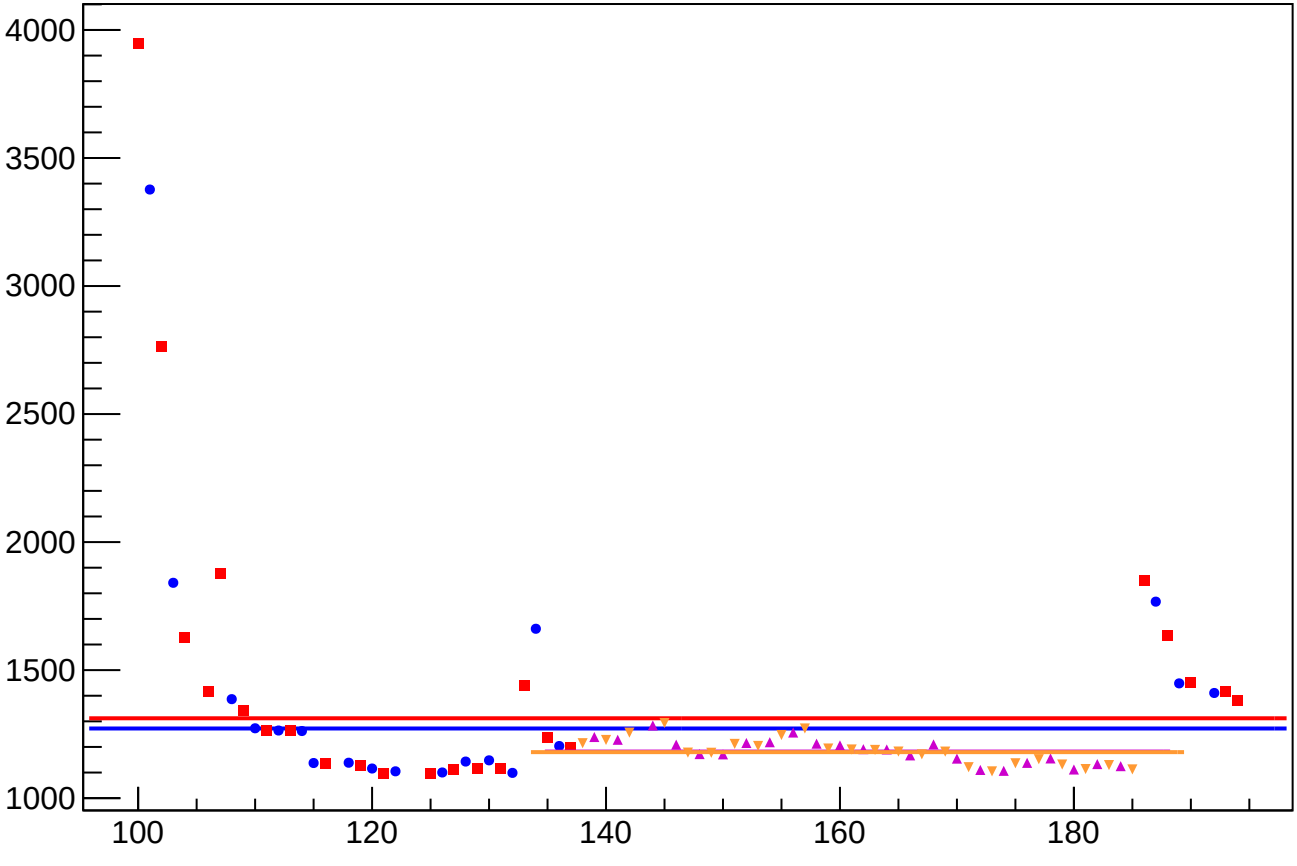
Right: 51.610+/-299.928 χ^2/NDF: 29.0/41

In: 90.124+/-233.469 χ^2/NDF:51.6/41

Out: 417.509+/-228.267 χ^2/NDF:44.4/46

All: 257.504+/-163.217 χ^2/NDF: 97.0/88

asym_us_dd_atlr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1272.045+/-0.309 χ^2/NDF: 855685.2/18

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

Right Out: 1311.919+/-0.292 χ^2/NDF: 802851.7/22

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

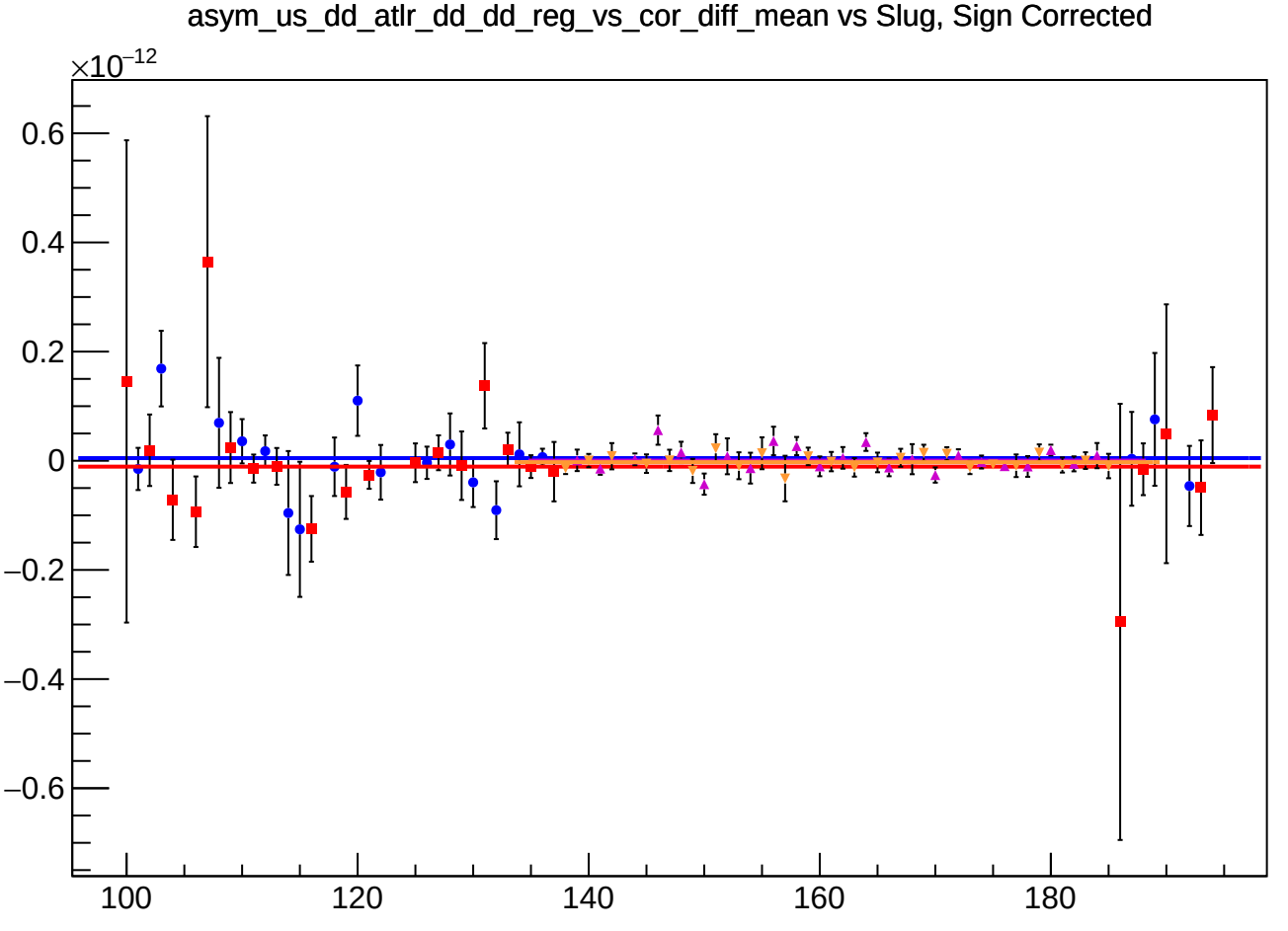
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1293.128+/-0.212 χ^2/NDF: 1667345.0/41

In: 1207.662+/-0.165 χ^2/NDF:976831.5/41

Out: 1220.203+/-0.161 χ^2/NDF:1010058.8/46

All: 1214.074+/-0.115 χ^2/NDF: 1989840.8/88



Right In: 0.000+/-0.000 χ^2/NDF: 17.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/22

Left In: 0.000+/-0.000 χ^2/NDF:32.5/22

Left: -0.000+/-0.000 χ^2/NDF: 43.4/46

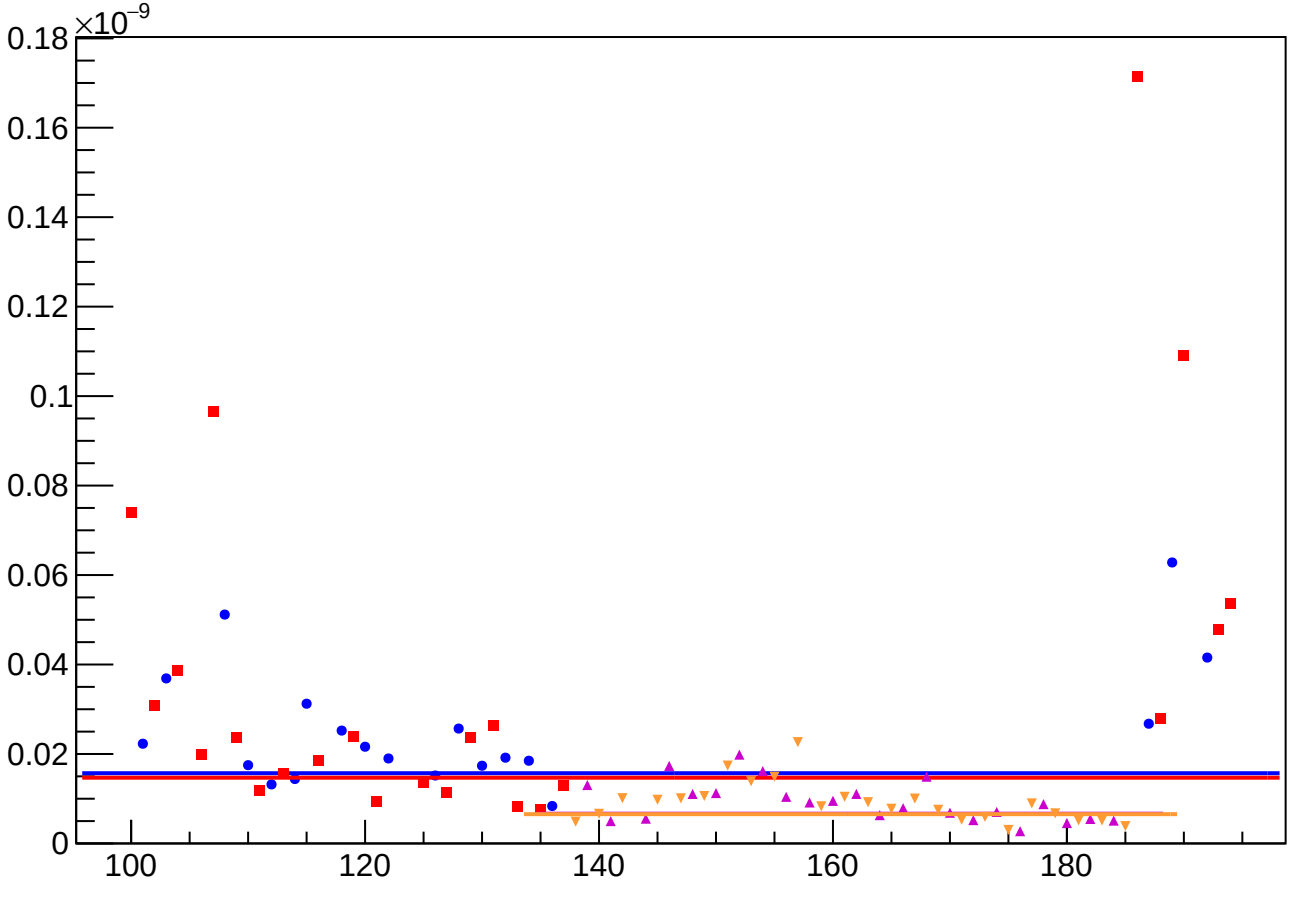
Right: -0.000+/-0.000 χ^2/NDF: 35.6/41

In: 0.000+/-0.000 χ^2/NDF:49.9/41

Out: -0.000+/-0.000 χ^2/NDF:28.2/46

All: -0.000+/-0.000 χ^2/NDF: 79.1/88

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1679079.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2704665.5/22

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

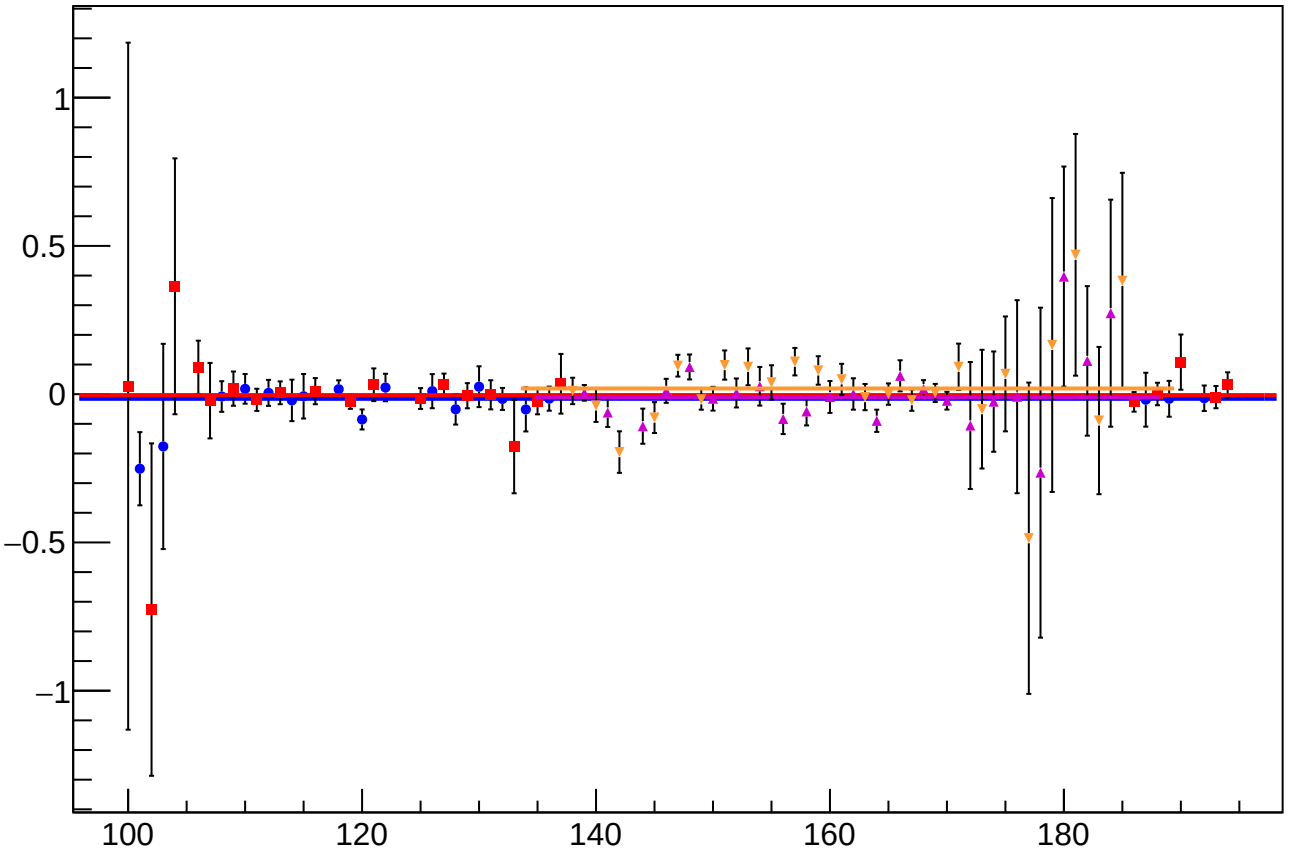
Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

Right: 0.000+/-0.000 χ^2/NDF: 4395305.7/41

In: 0.000+/-0.000 χ^2/NDF:5871297.3/41

Out: 0.000+/-0.000 χ^2/NDF:6488766.1/46

All: 0.000+/-0.000 χ^2/NDF: 12362729.1/88



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/18

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.003+/-0.010 χ^2/NDF: 10.5/22

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

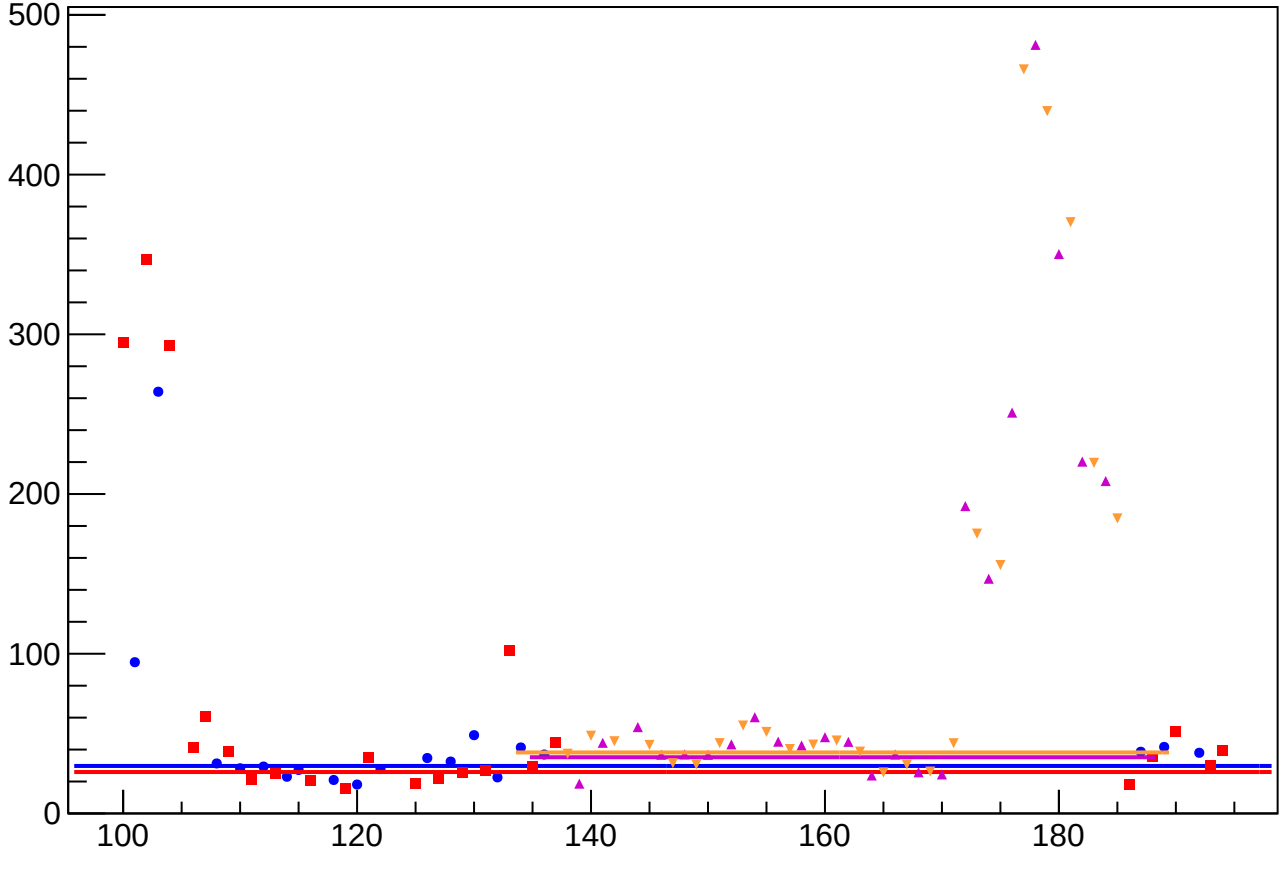
Right: -0.008+/-0.007 χ^2/NDF: 23.1/41

In: -0.013+/-0.008 χ^2/NDF:35.6/41

Out: 0.007+/-0.007 χ^2/NDF:48.8/46

All: -0.002+/-0.005 χ^2/NDF: 87.8/88

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.743+/-0.008 χ^2/NDF: 2439329.2/18

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 25.939+/-0.007 χ^2/NDF: 3585259.1/22

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

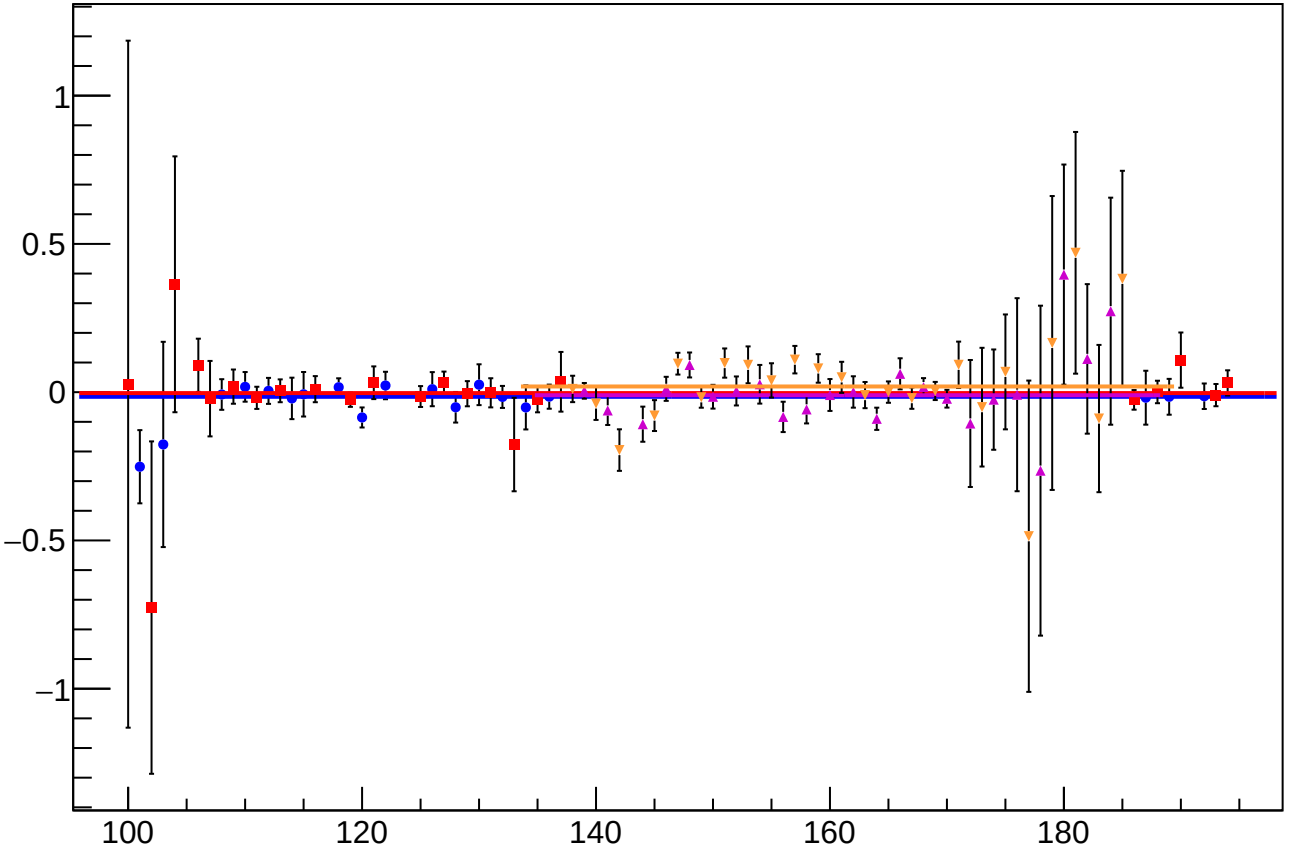
Right: 27.517+/-0.005 χ^2/NDF: 6152266.3/41

In: 32.782+/-0.005 χ^2/NDF:12080054.1/41

Out: 31.413+/-0.005 χ^2/NDF:13298876.0/46

All: 32.057+/-0.004 χ^2/NDF: 25412789.2/88

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/18

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.003+/-0.010 χ^2/NDF: 10.5/22

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

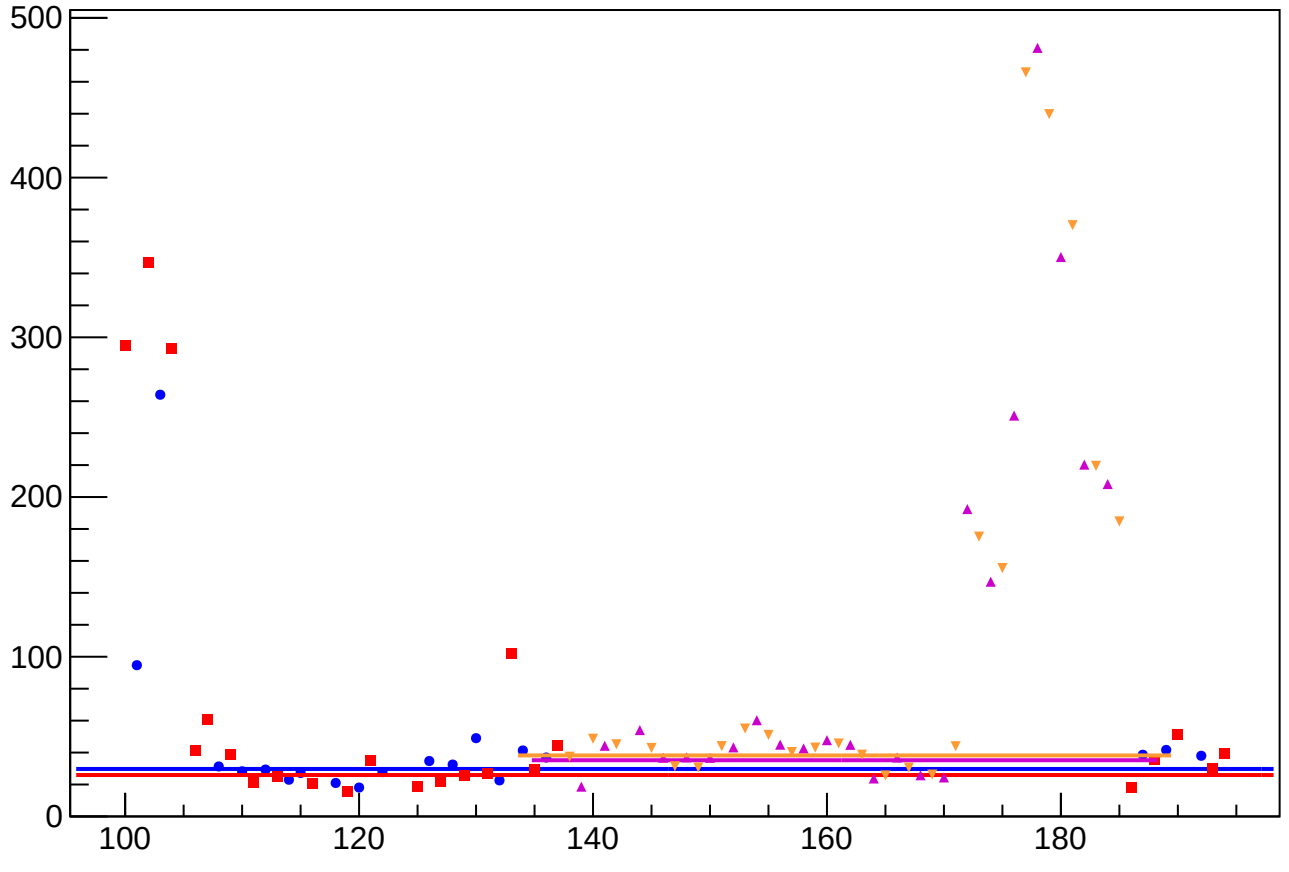
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: -0.008+/-0.007 χ^2/NDF: 23.1/41

In: -0.013+/-0.008 χ^2/NDF:35.6/41

Out: 0.007+/-0.007 χ^2/NDF:48.8/46

All: -0.002+/-0.005 χ^2/NDF: 87.8/88



Right In: 29.743+/-0.008 χ^2/NDF: 2439329.2/18

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 25.939+/-0.007 χ^2/NDF: 3585259.1/22

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

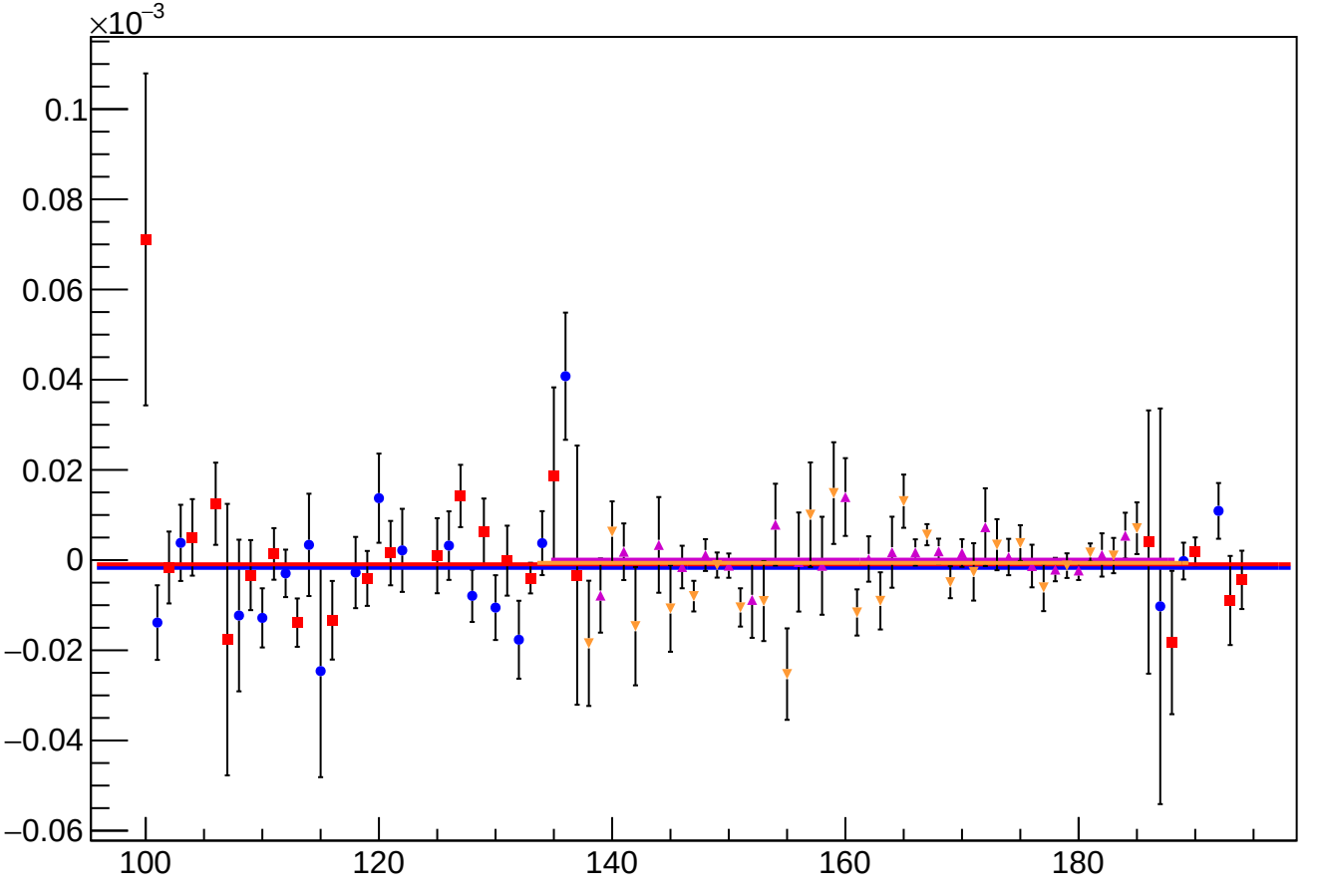
Right: 27.517+/-0.005 χ^2/NDF: 6152266.3/41

In: 32.782+/-0.005 χ^2/NDF:12080054.1/41

Out: 31.413+/-0.005 χ^2/NDF:13298876.0/46

All: 32.057+/-0.004 χ^2/NDF: 25412789.2/88

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 30.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 26.0/22

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

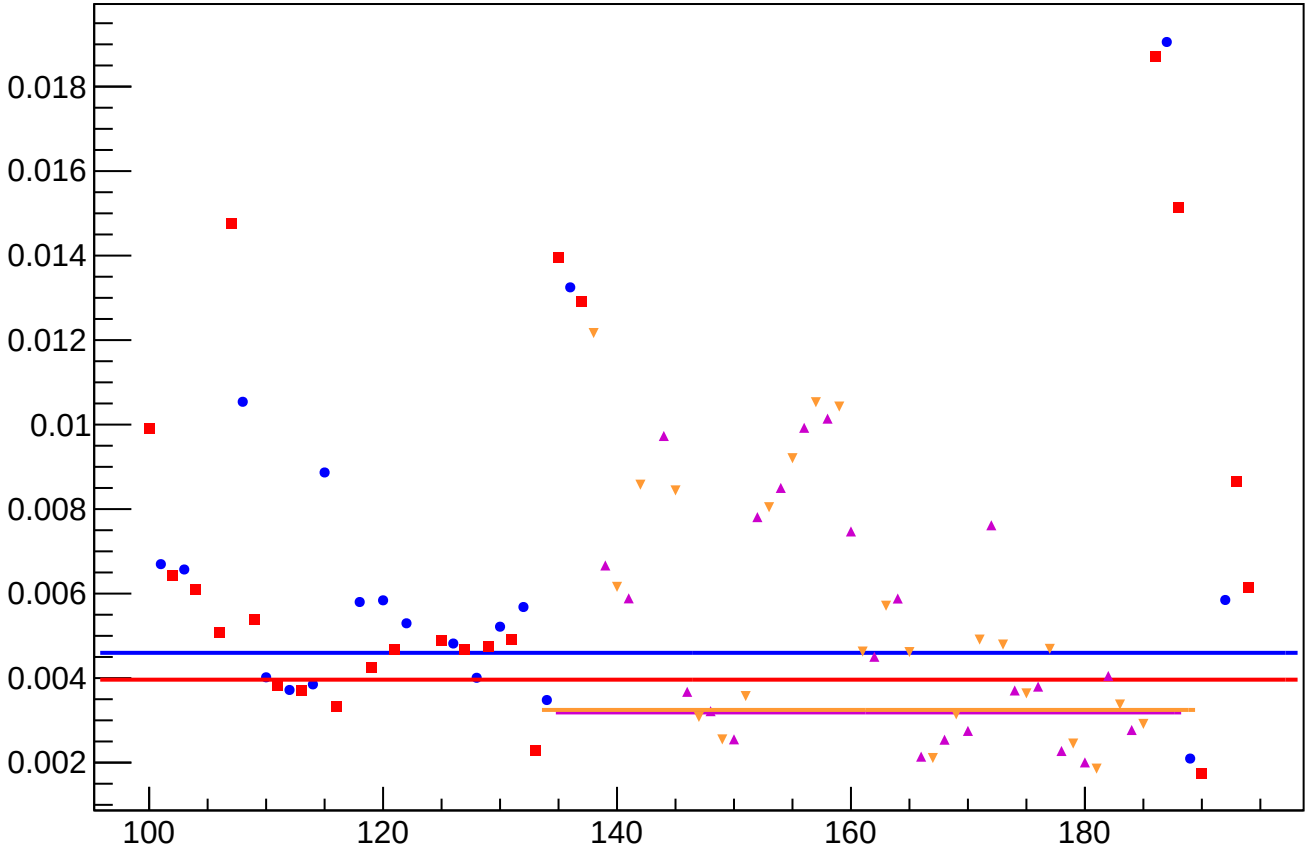
Right: -0.000+/-0.000 χ^2/NDF: 56.3/41

In: -0.000+/-0.000 χ^2/NDF:42.0/41

Out: -0.000+/-0.000 χ^2/NDF:77.2/46

All: -0.000+/-0.000 χ^2/NDF: 119.5/88

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2646744.7/18

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

Right Out: 0.004+/-0.000 χ^2/NDF: 5284889.9/22

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

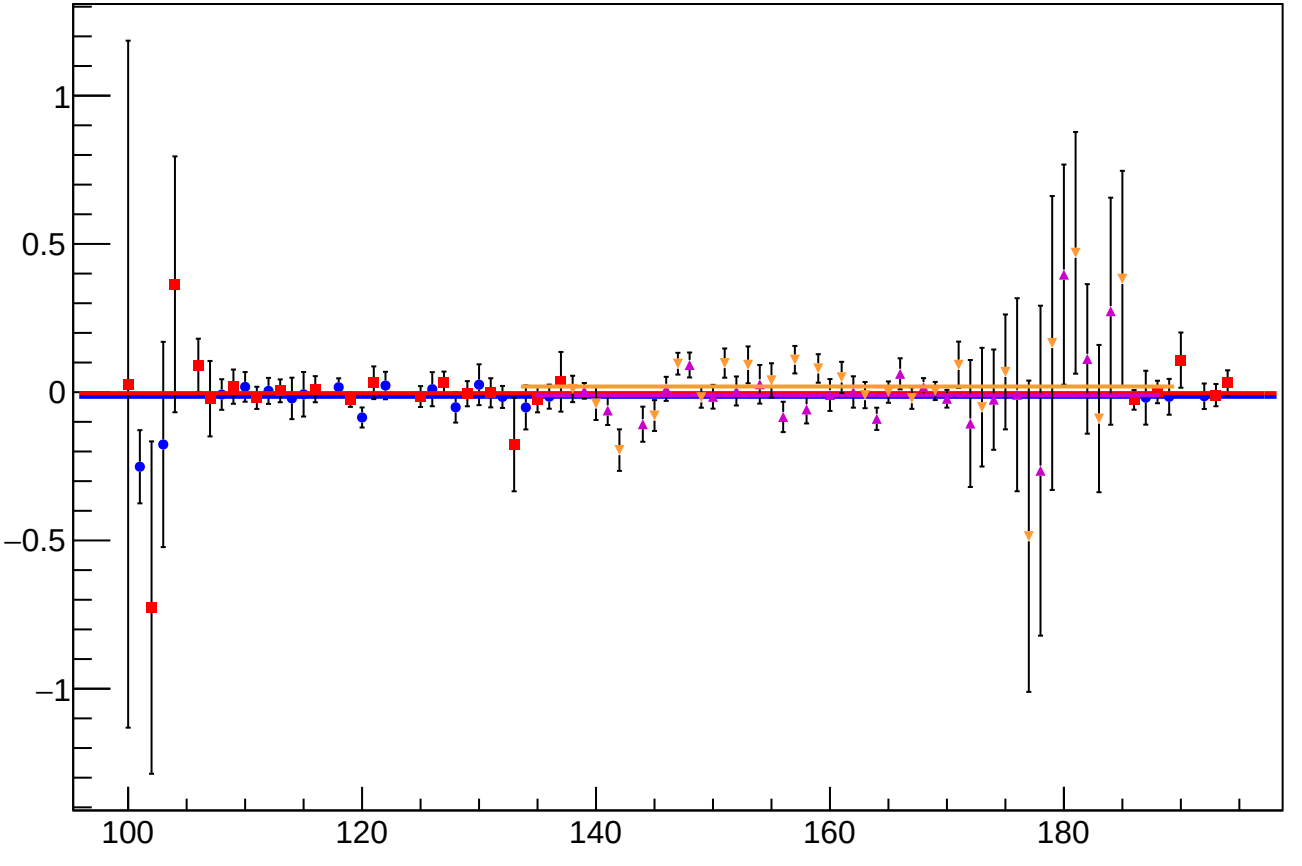
Right: 0.004+/-0.000 χ^2/NDF: 8091123.3/41

In: 0.003+/-0.000 χ^2/NDF:11006427.2/41

Out: 0.003+/-0.000 χ^2/NDF:13389771.2/46

All: 0.003+/-0.000 χ^2/NDF: 24397351.9/88

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/18

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.003+/-0.010 χ^2/NDF: 10.5/22

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

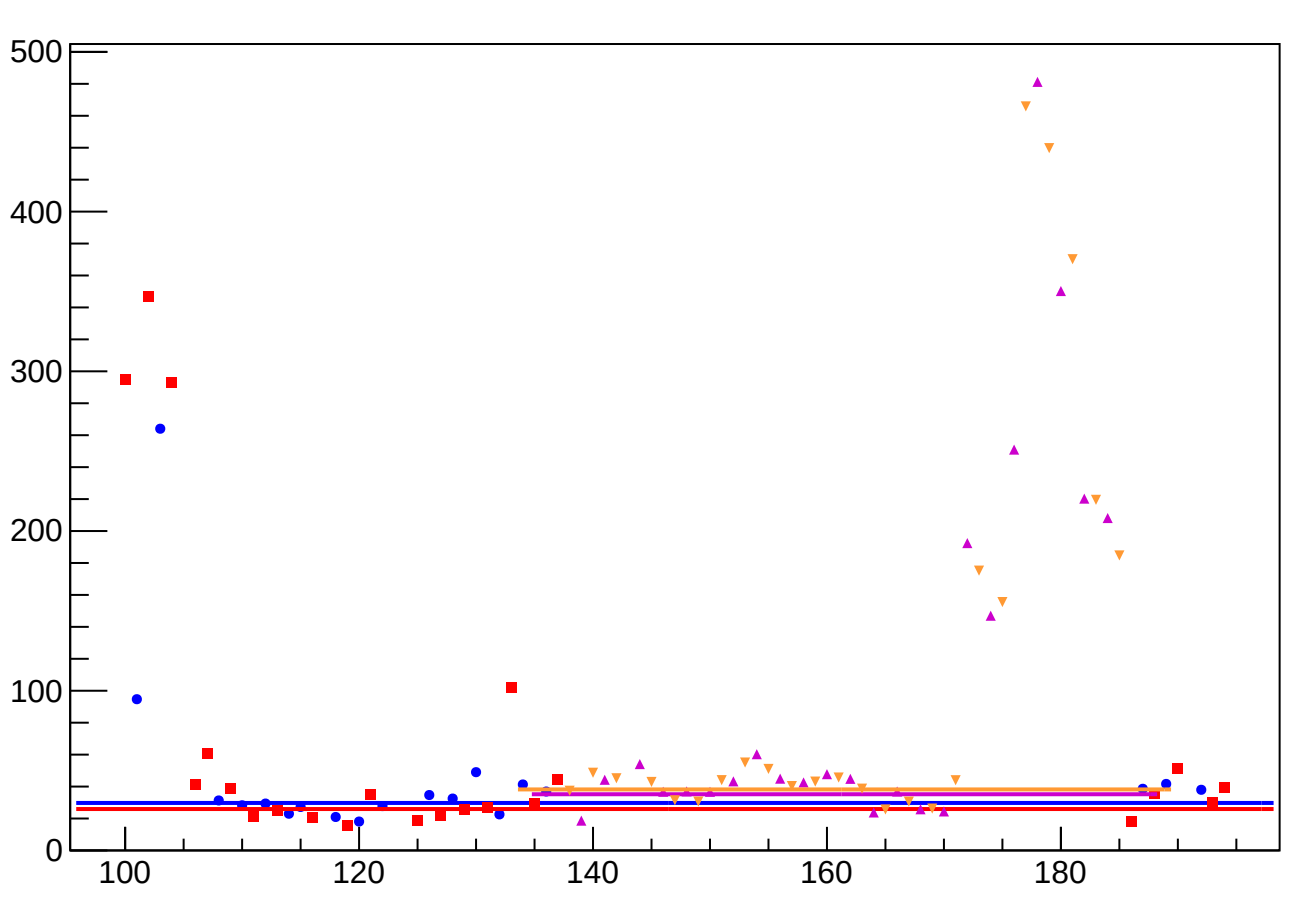
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: -0.008+/-0.007 χ^2/NDF: 23.1/41

In: -0.013+/-0.008 χ^2/NDF:35.6/41

Out: 0.007+/-0.007 χ^2/NDF:48.8/46

All: -0.002+/-0.005 χ^2/NDF: 87.8/88



Right In: 29.743+/-0.008 χ^2/NDF: 2439369.8/18

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 25.937+/-0.007 χ^2/NDF: 3585506.4/22

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

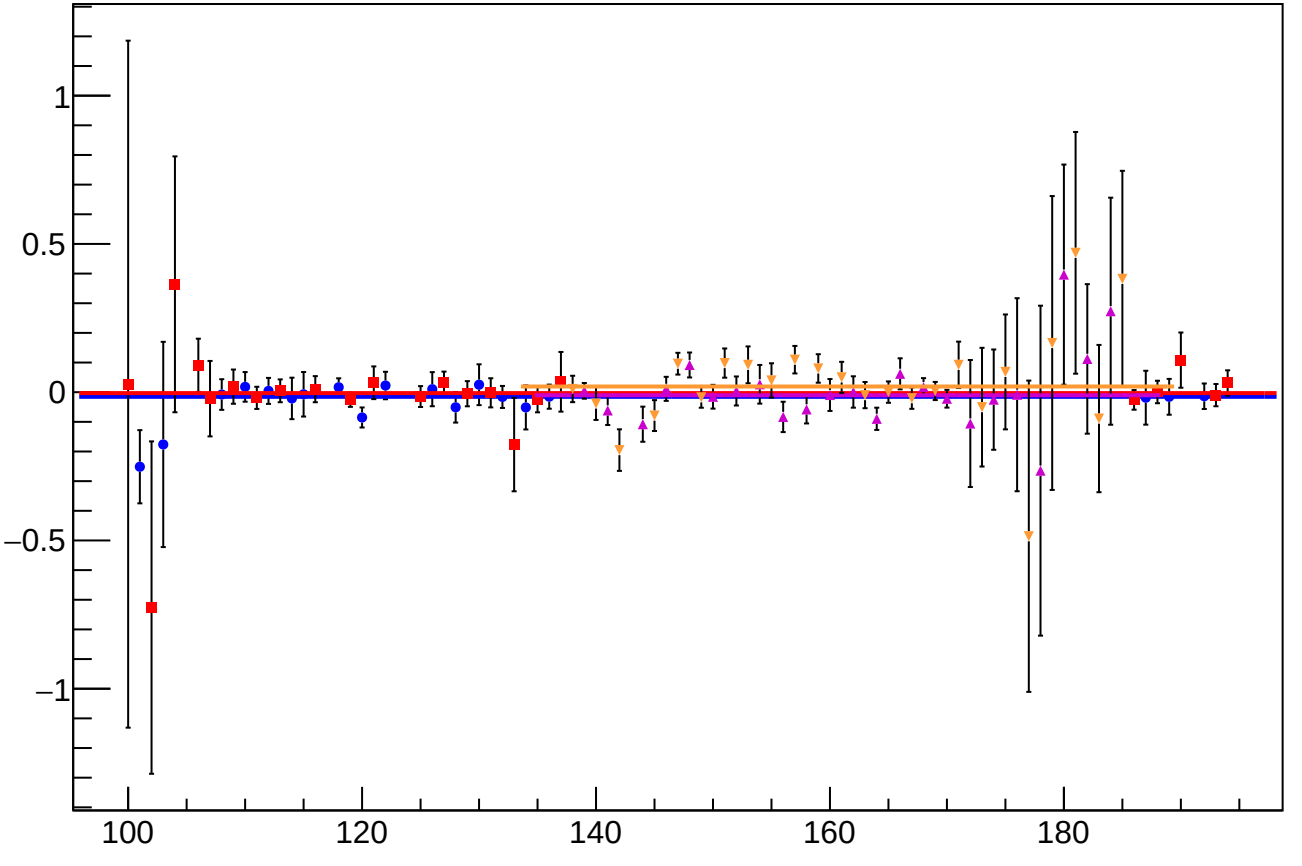
Right: 27.516+/-0.005 χ^2/NDF: 6152703.7/41

In: 32.782+/-0.005 χ^2/NDF:12080497.1/41

Out: 31.411+/-0.005 χ^2/NDF:13299787.1/46

All: 32.056+/-0.004 χ^2/NDF: 25414219.9/88

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/18

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.003+/-0.010 χ^2/NDF: 10.5/22

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

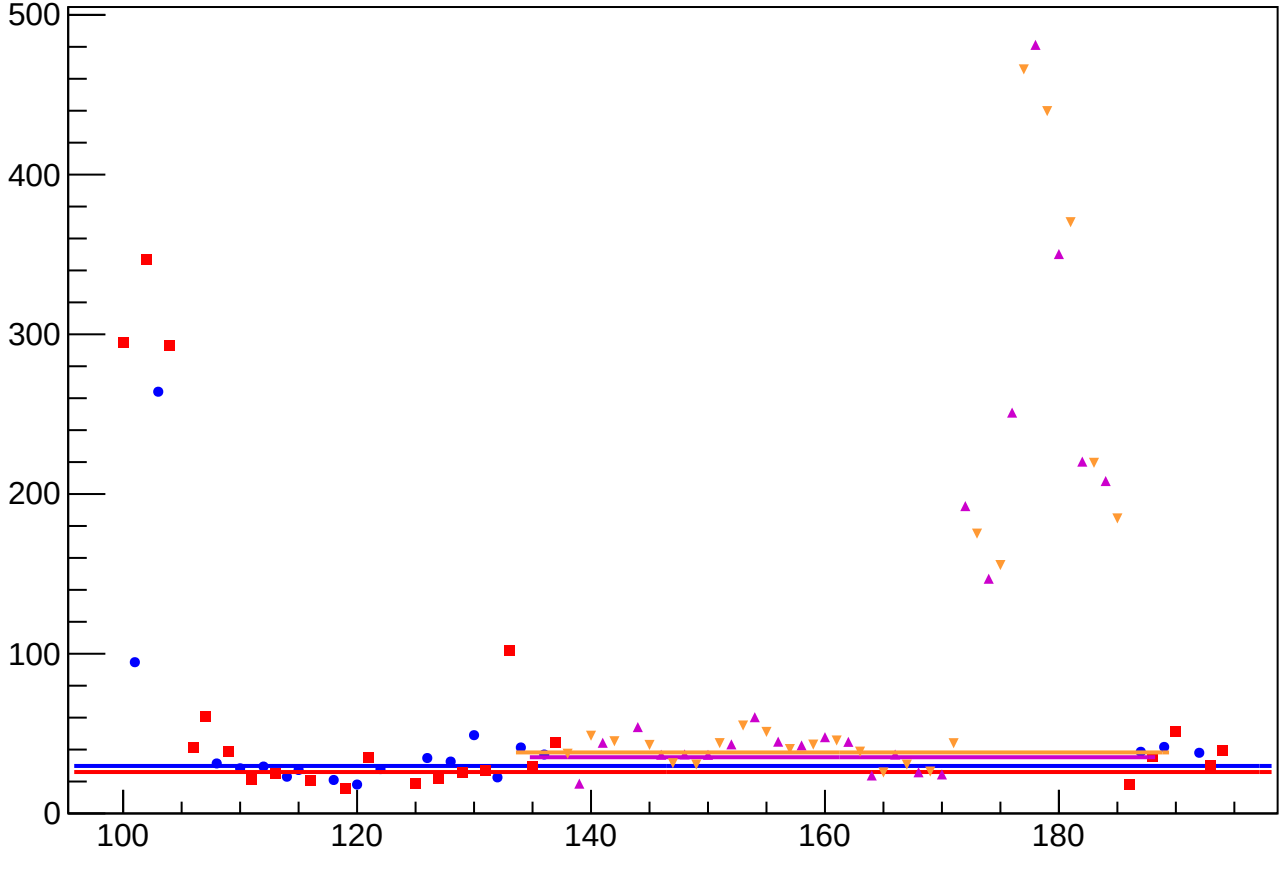
Right: -0.008+/-0.007 χ^2/NDF: 23.1/41

In: -0.013+/-0.008 χ^2/NDF:35.6/41

Out: 0.007+/-0.007 χ^2/NDF:48.8/46

All: -0.002+/-0.005 χ^2/NDF: 87.8/88

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.743+/-0.008 χ^2/NDF: 2439369.8/18

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 25.937+/-0.007 χ^2/NDF: 3585506.4/22

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

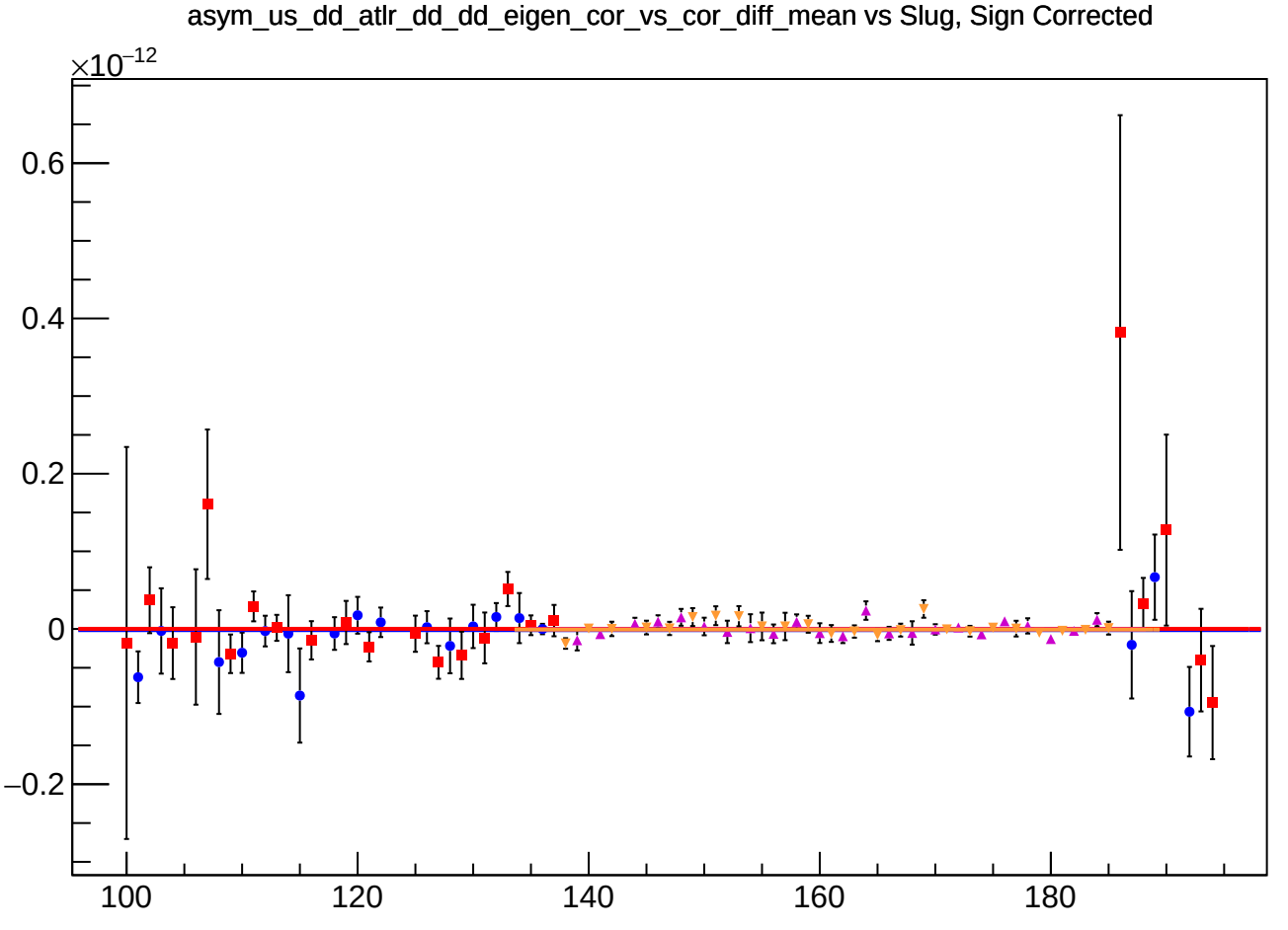
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 27.516+/-0.005 χ^2/NDF: 6152703.7/41

In: 32.782+/-0.005 χ^2/NDF:12080497.1/41

Out: 31.411+/-0.005 χ^2/NDF:13299787.1/46

All: 32.056+/-0.004 χ^2/NDF: 25414219.9/88



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/22

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

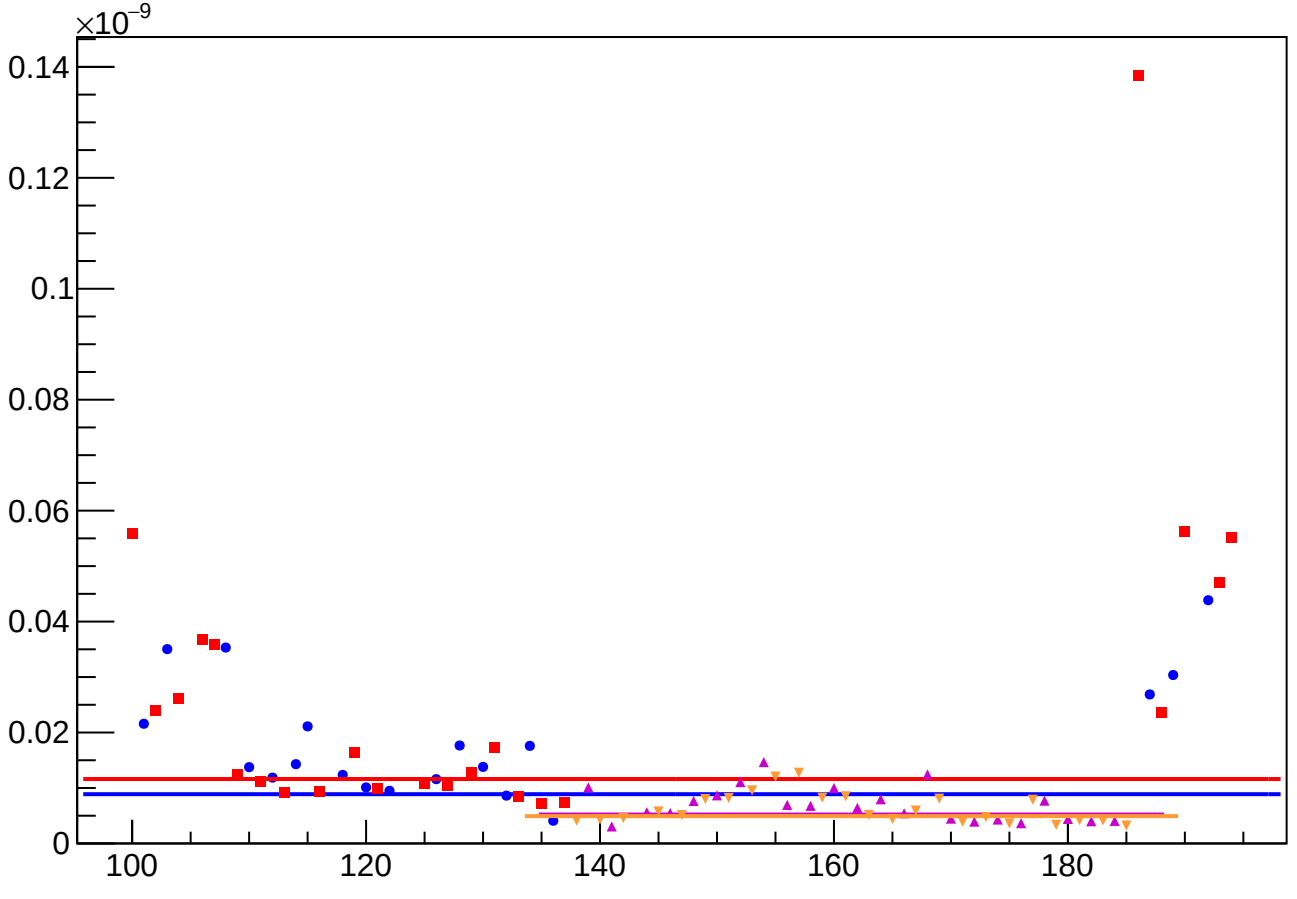
Right: -0.000+/-0.000 χ^2/NDF: 41.5/41

In: -0.000+/-0.000 χ^2/NDF:40.7/41

Out: -0.000+/-0.000 χ^2/NDF:48.2/46

All: -0.000+/-0.000 χ^2/NDF: 88.9/88

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3907527.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3525031.8/22

Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

Left: 0.000+/-0.000 χ^2/NDF: 6113497.8/46

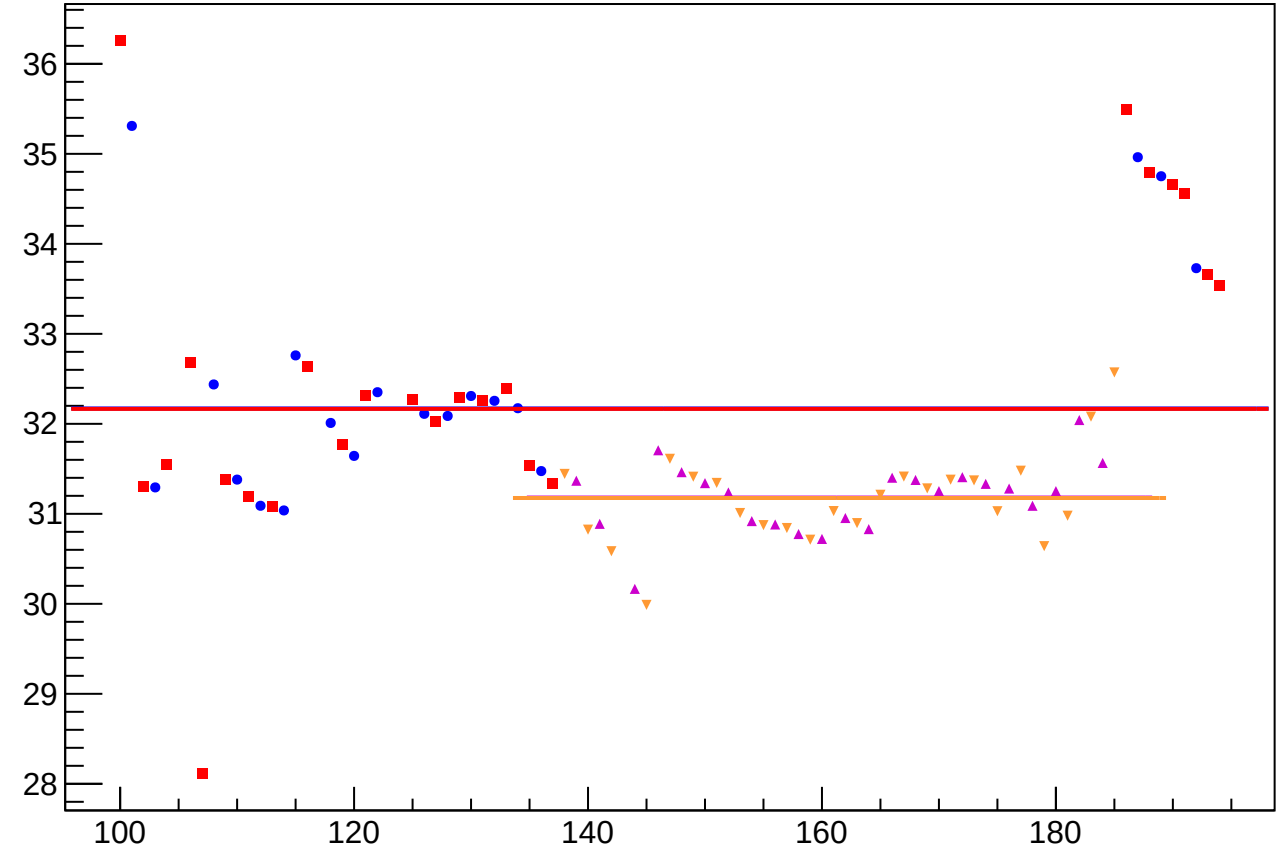
Right: 0.000+/-0.000 χ^2/NDF: 7717493.9/41

In: 0.000+/-0.000 χ^2/NDF:8427259.7/41

Out: 0.000+/-0.000 χ^2/NDF:8897346.2/46

All: 0.000+/-0.000 χ^2/NDF: 17337630.7/88

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.171+/-0.000 χ^2/NDF: 1276114827.2/18

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.166+/-0.000 χ^2/NDF: 1454889768.5/23

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

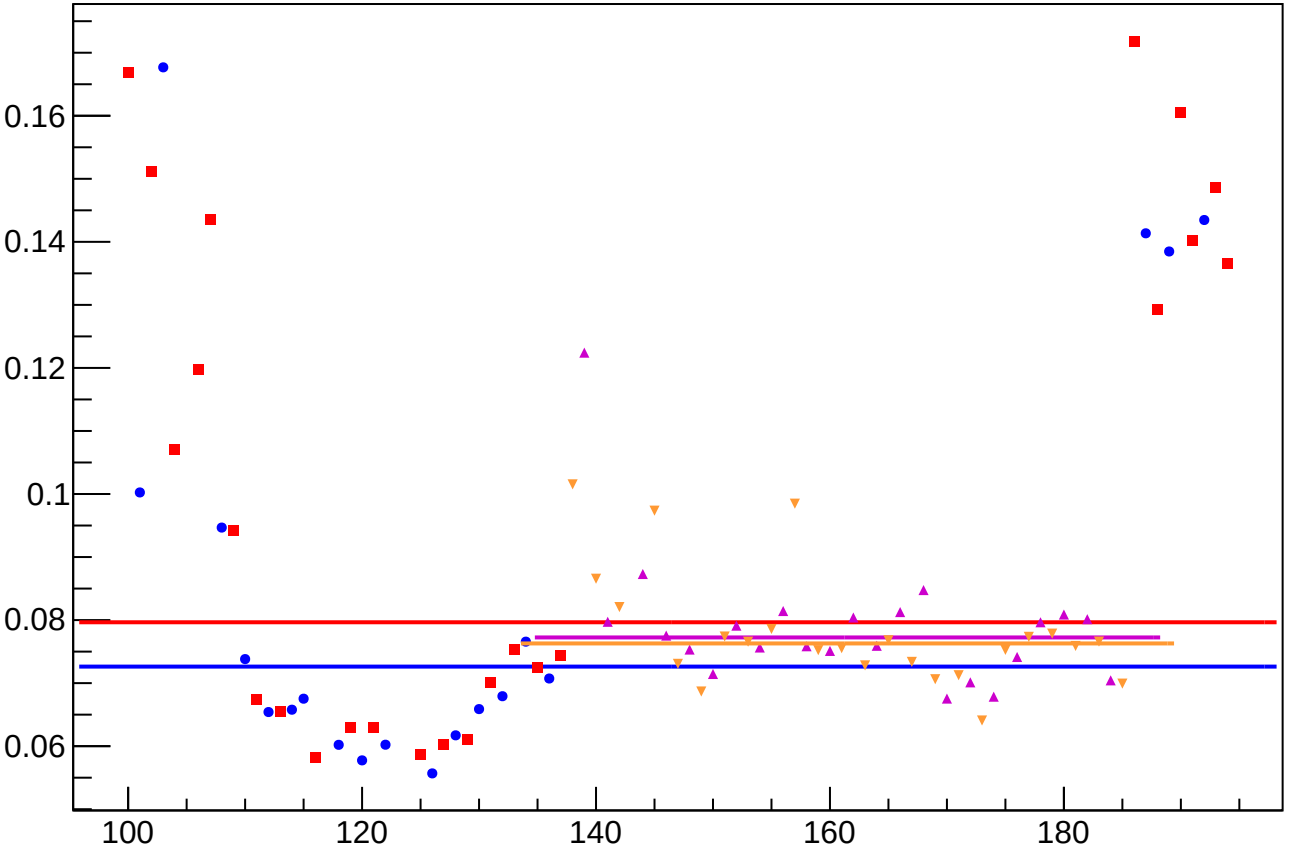
Right: 32.168+/-0.000 χ^2/NDF: 2731020281.0/42

In: 31.516+/-0.000 χ^2/NDF:2571803488.4/41

Out: 31.503+/-0.000 χ^2/NDF:2916462126.2/47

All: 31.509+/-0.000 χ^2/NDF: 5488641650.9/8

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.073+/-0.000 χ^2/NDF: 1531655.3/18

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.080+/-0.000 χ^2/NDF: 2467223.7/23

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

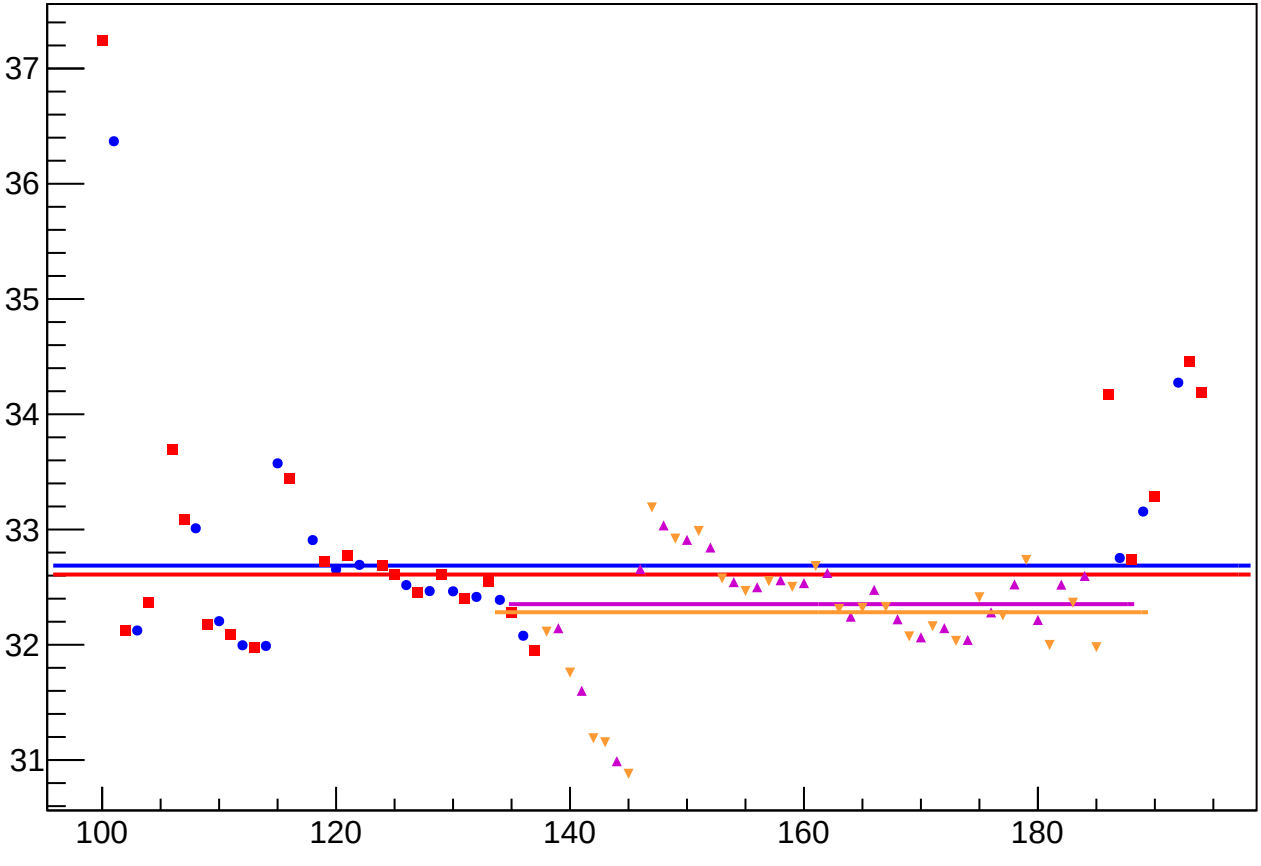
Right: 0.076+/-0.000 χ^2/NDF: 4069047.4/42

In: 0.076+/-0.000 χ^2/NDF:1937000.6/41

Out: 0.077+/-0.000 χ^2/NDF:2845364.6/47

All: 0.077+/-0.000 χ^2/NDF: 4794976.8/89

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.687+/-0.000 χ^2/NDF: 814092089.5/18

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.609+/-0.000 χ^2/NDF: 340688651.0/23

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

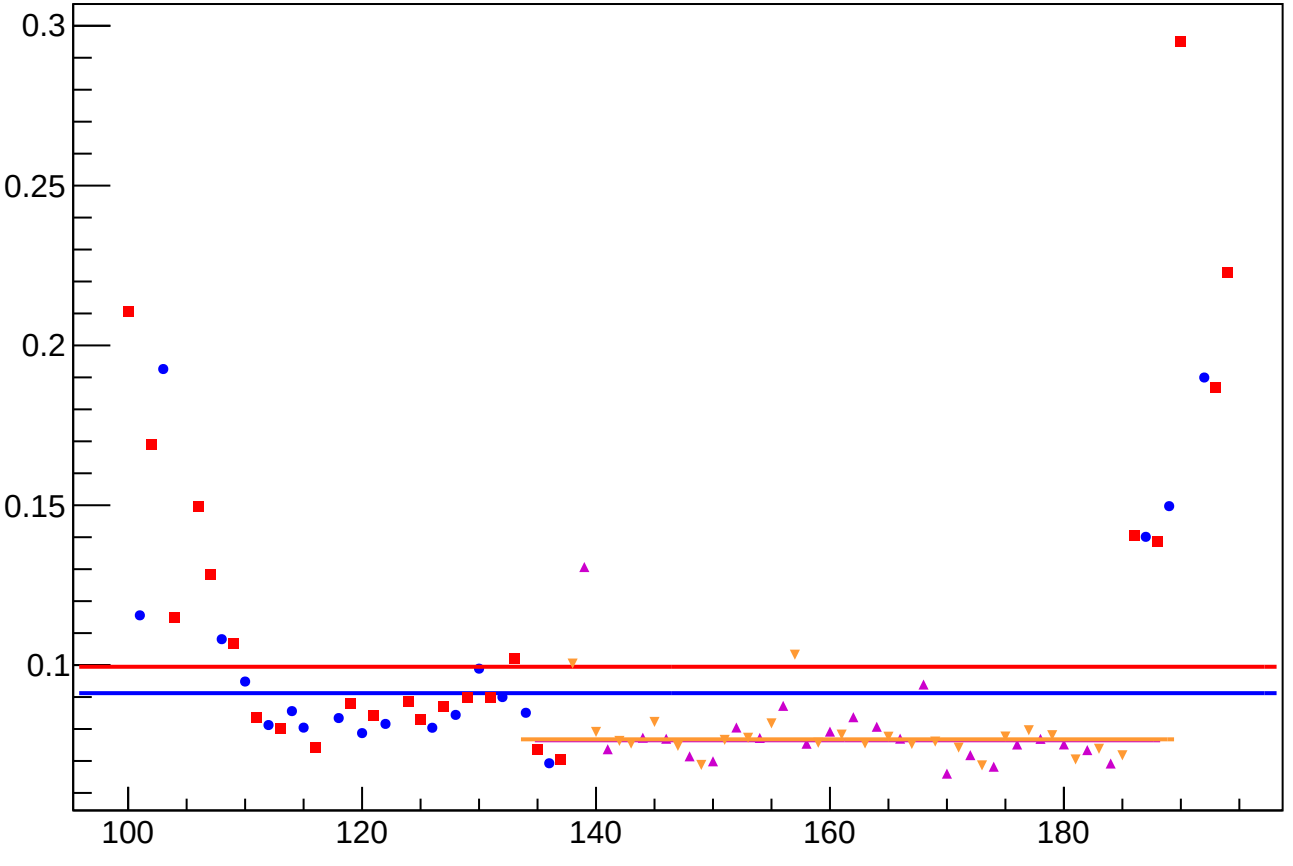
Right: 32.648+/-0.000 χ^2/NDF: 1157488747.5/42

In: 32.432+/-0.000 χ^2/NDF:1480682686.3/41

Out: 32.358+/-0.000 χ^2/NDF:1253876792.6/48

All: 32.395+/-0.000 χ^2/NDF: 2745111238.5/9

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.091+/-0.000 χ^2/NDF: 1339946.2/18

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.099+/-0.000 χ^2/NDF: 2138945.4/23

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

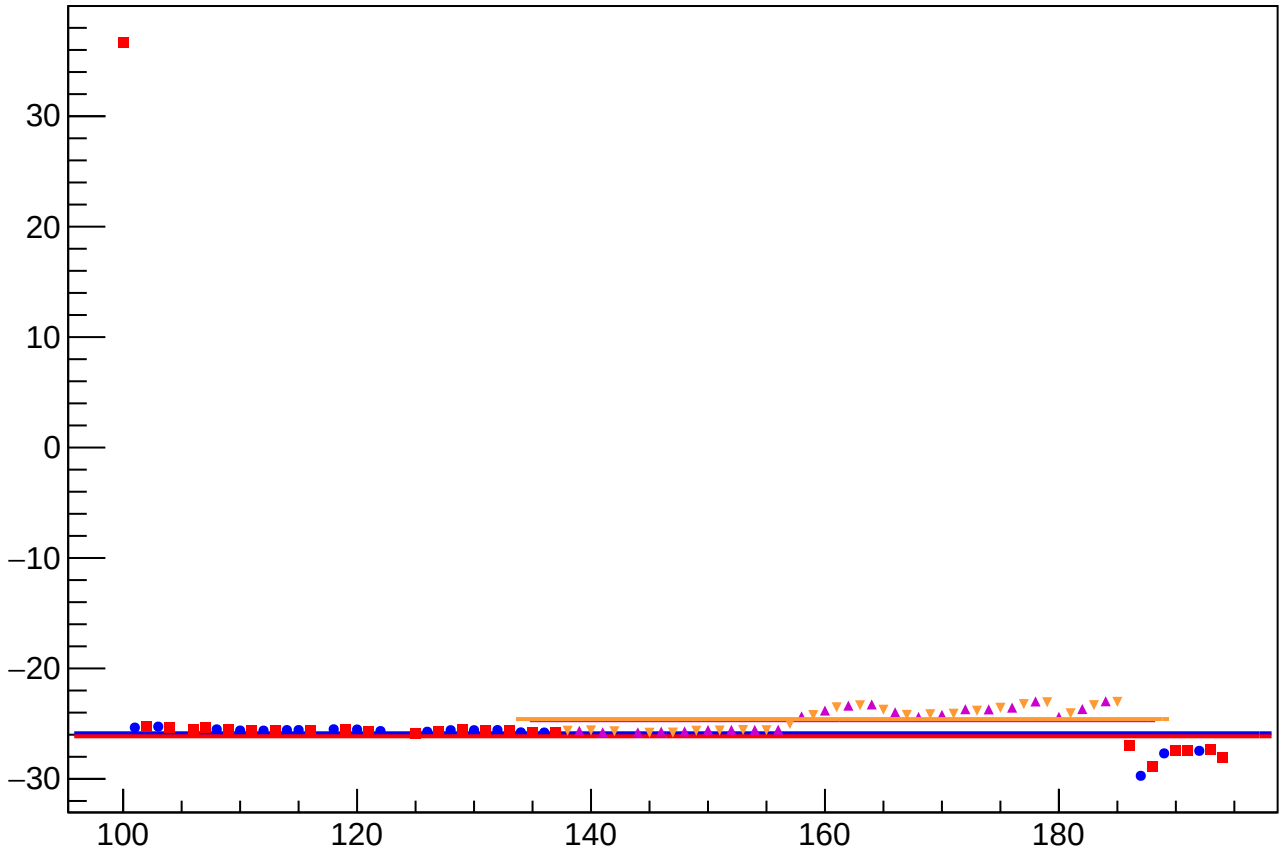
Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

Right: 0.095+/-0.000 χ^2/NDF: 3540332.9/42

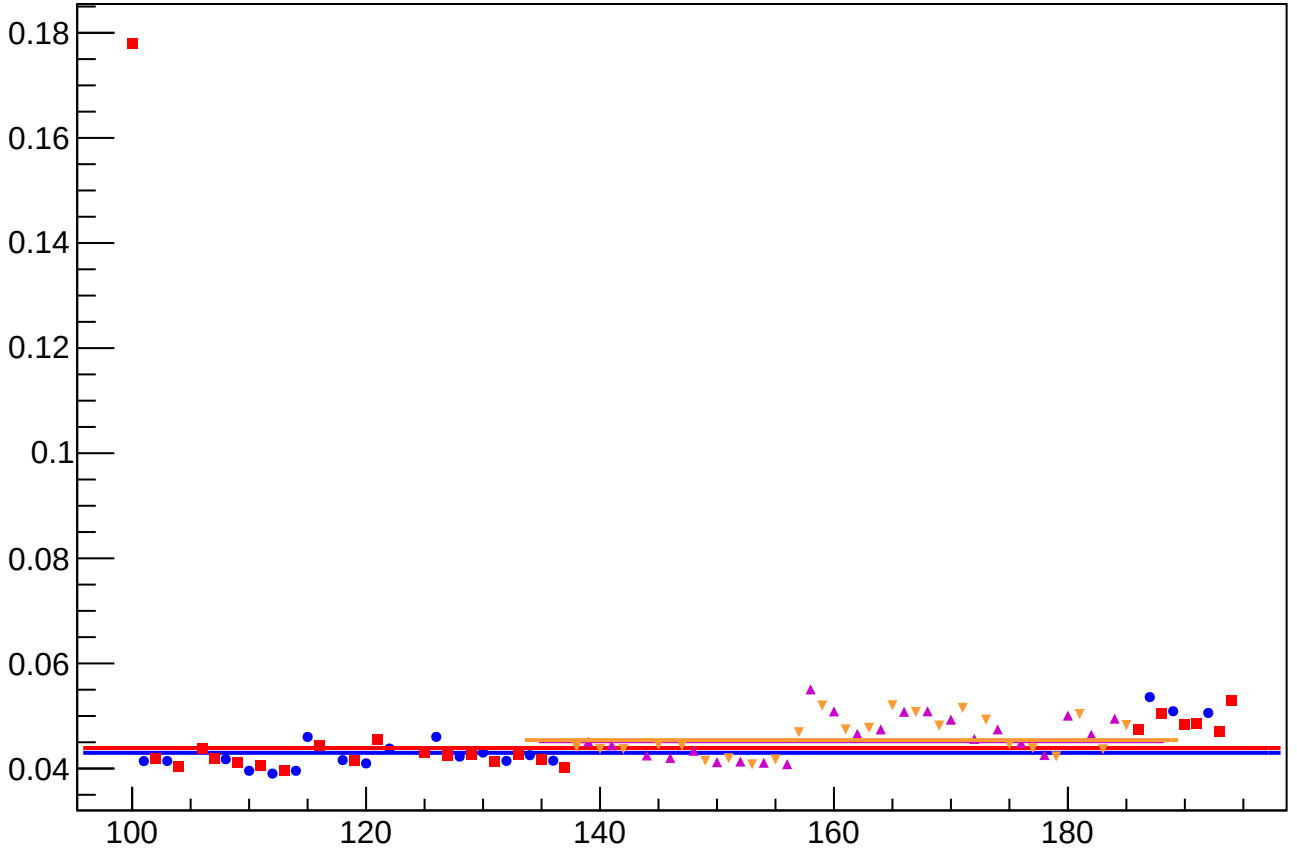
In: 0.080+/-0.000 χ^2/NDF:2120638.6/41

Out: 0.082+/-0.000 χ^2/NDF:3104870.9/48

All: 0.081+/-0.000 χ^2/NDF: 5241472.7/90


yield_dsl_mean vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
100
120
140
160
180
Right In: -25.872+/-0.000 χ²/NDF: 3015374828.8/18
Left Out: -24.587+/-0.000 χ²/NDF:9182387434.6/23
Right Out: -26.145+/-0.000 χ²/NDF: 15242199102.4/23
Left In: -24.689+/-0.000 χ²/NDF:8820957974.3/22
Left: -24.638+/-0.000 χ²/NDF: 18048773381.1/46
Right: -26.019+/-0.000 χ²/NDF: 18447688489.9/42
In: -25.106+/-0.000 χ²/NDF:16140240382.0/41
Out: -25.194+/-0.000 χ²/NDF:32680202736.2/47
All: -25.152+/-0.000 χ²/NDF: 48874101655.9

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.043+/-0.000 χ^2/NDF: 115869.5/18

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.044+/-0.000 χ^2/NDF: 238026.5/23

Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

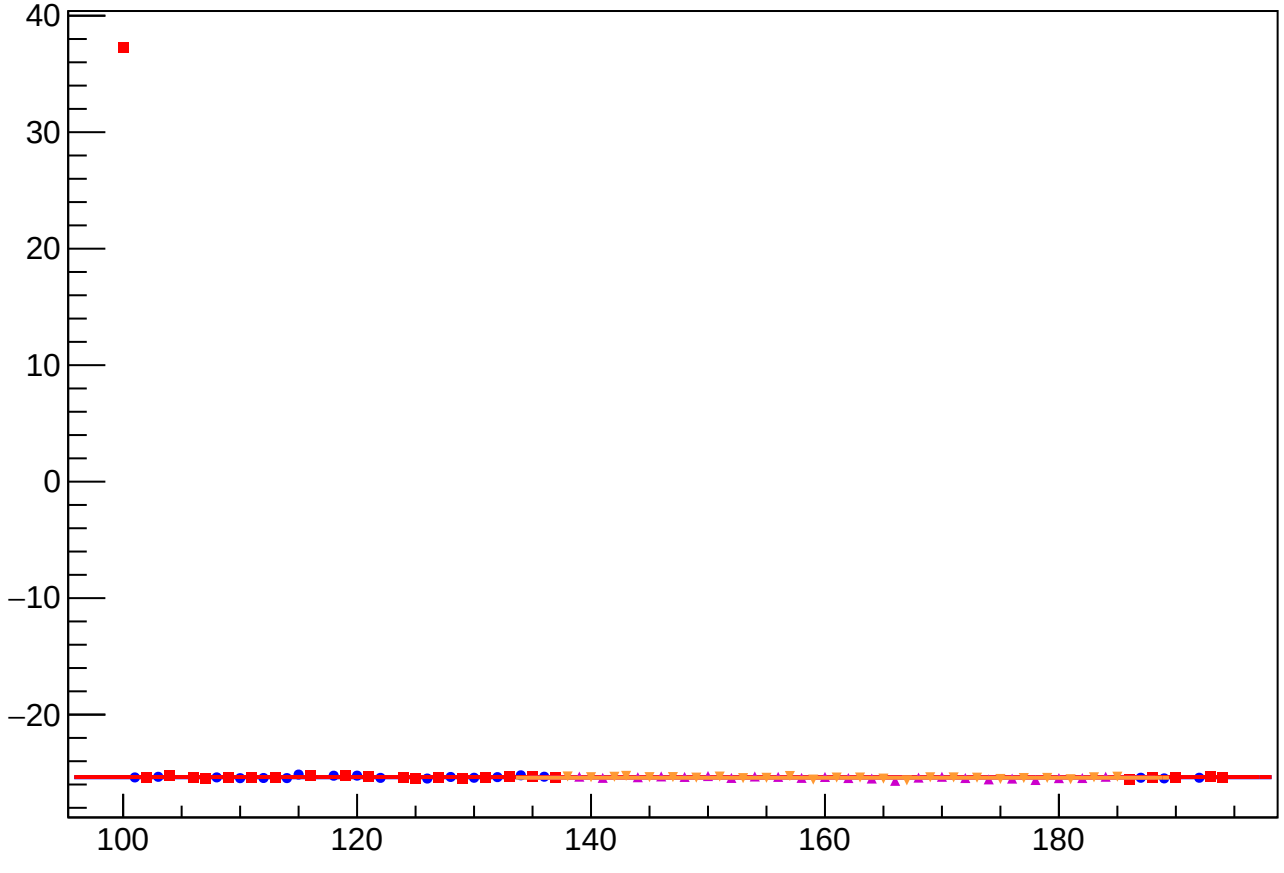
Right: 0.043+/-0.000 χ^2/NDF: 358260.3/42

In: 0.044+/-0.000 χ^2/NDF:390746.3/41

Out: 0.045+/-0.000 χ^2/NDF:458753.9/47

All: 0.045+/-0.000 χ^2/NDF: 851709.8/89

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.379+/-0.000 χ^2/NDF: 16748692.0/18

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.357+/-0.000 χ^2/NDF: 6327069001.3/23

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

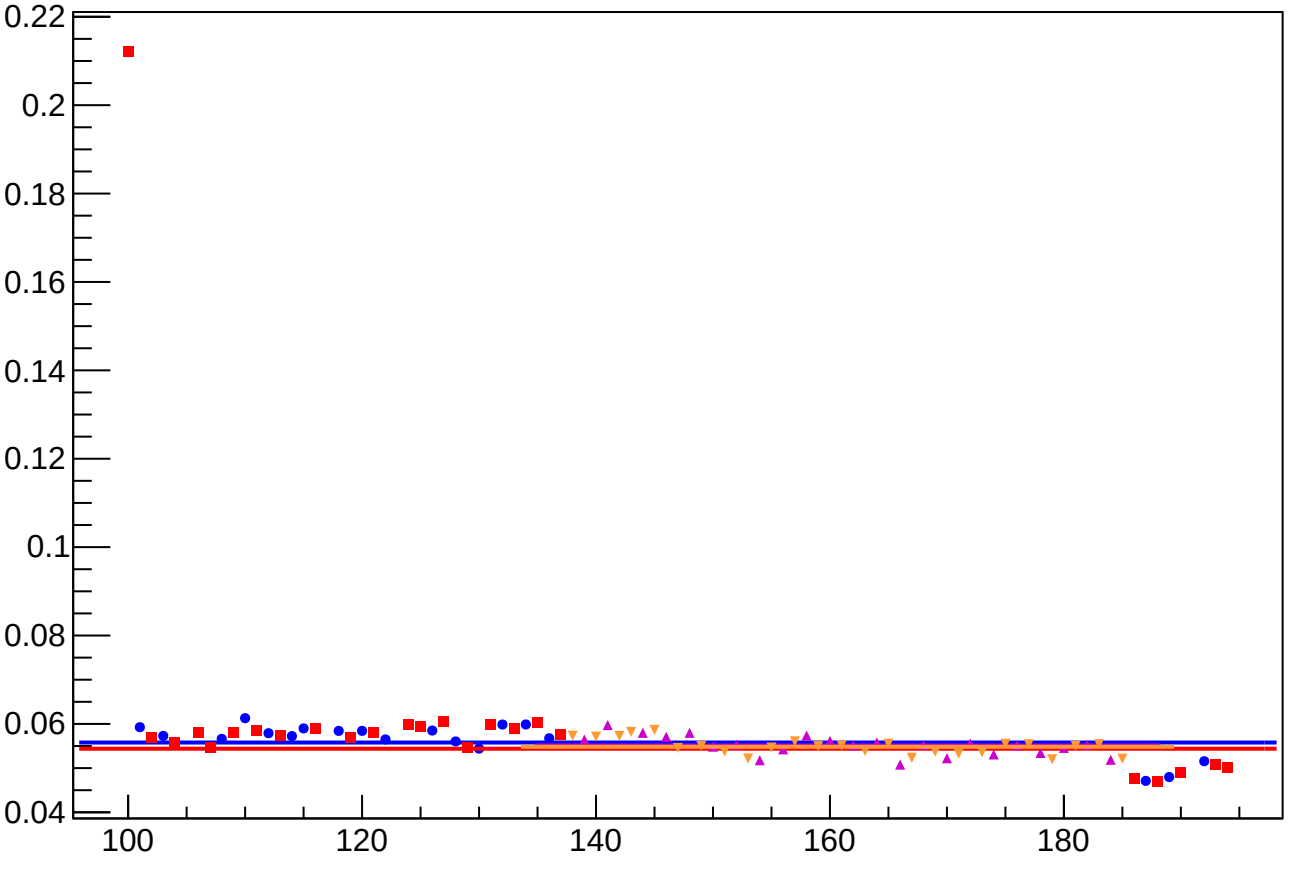
Right: -25.367+/-0.000 χ^2/NDF: 6344557890.6/42

In: -25.403+/-0.000 χ^2/NDF:74943419.2/41

Out: -25.395+/-0.000 χ^2/NDF:6387337997.4/48

All: -25.399+/-0.000 χ^2/NDF: 6462556013.2/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.056+/-0.000 χ^2/NDF: 80180.3/18

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.054+/-0.000 χ^2/NDF: 237535.6/23

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

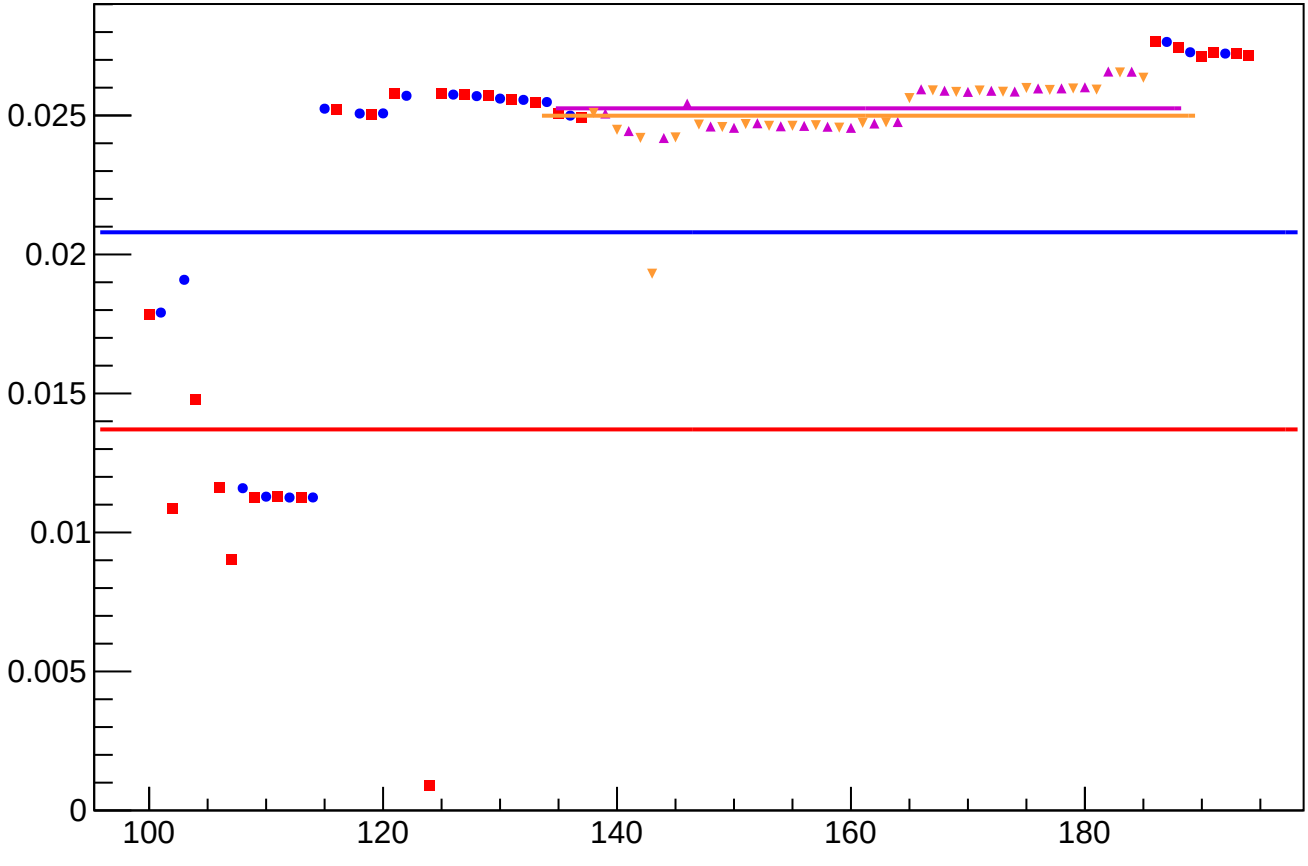
Right: 0.055+/-0.000 χ^2/NDF: 323834.8/42

In: 0.055+/-0.000 χ^2/NDF:133432.6/41

Out: 0.055+/-0.000 χ^2/NDF:276491.0/48

All: 0.055+/-0.000 χ^2/NDF: 413974.5/90

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 72366174178.2/18

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.014+/-0.000 χ^2/NDF: 344466581724.0/24

Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

Left: 0.025+/-0.000 χ^2/NDF: 9897726075.2/47

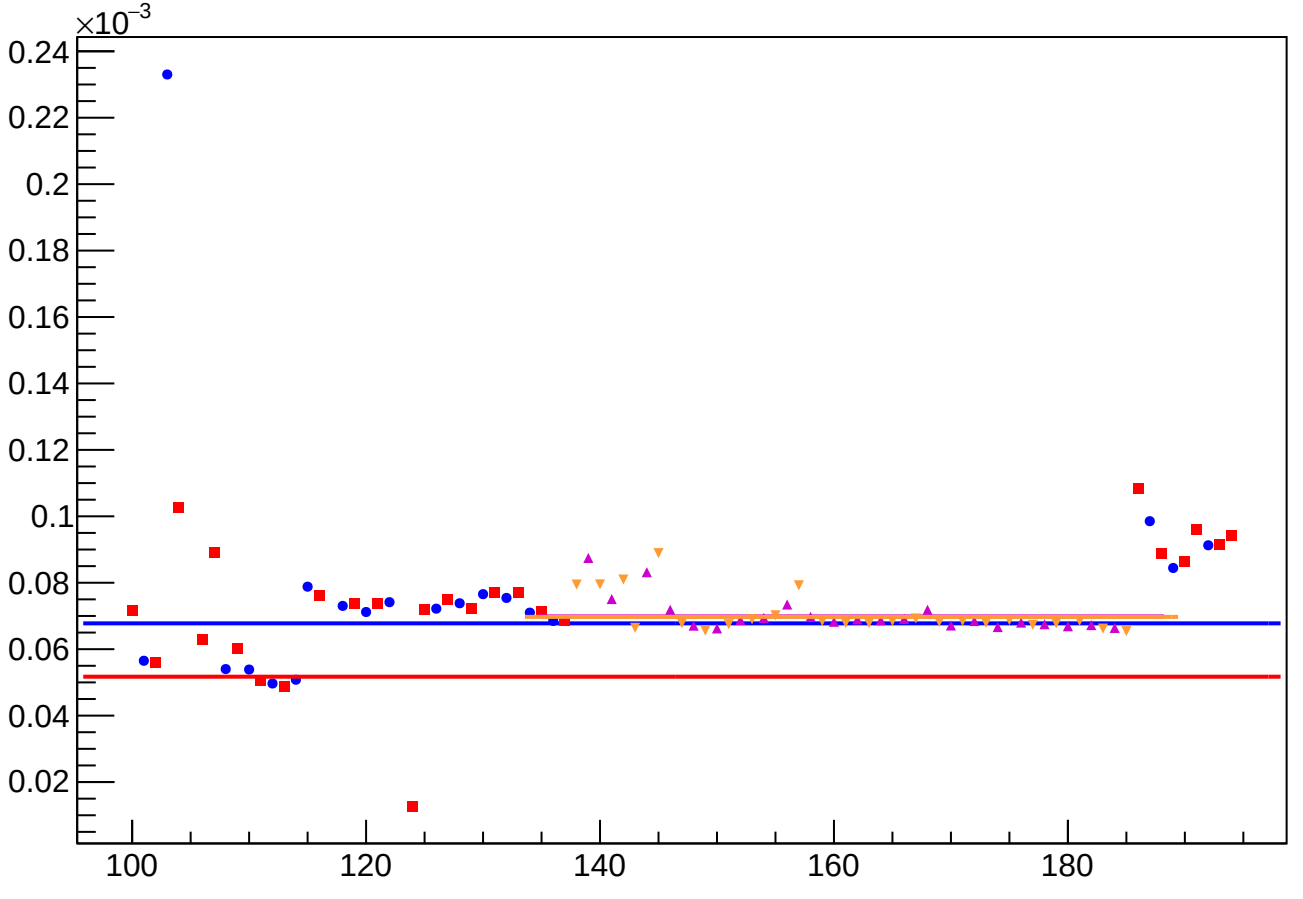
Right: 0.016+/-0.000 χ^2/NDF: 472309757877.2/43

In: 0.024+/-0.000 χ^2/NDF:97973477845.4/41

Out: 0.020+/-0.000 χ^2/NDF:565785133058.3/49

All: 0.022+/-0.000 χ^2/NDF: 704744546299.0

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1047020.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5431773.5/24

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

Left: 0.000+/-0.000 χ^2/NDF: 340709.7/47

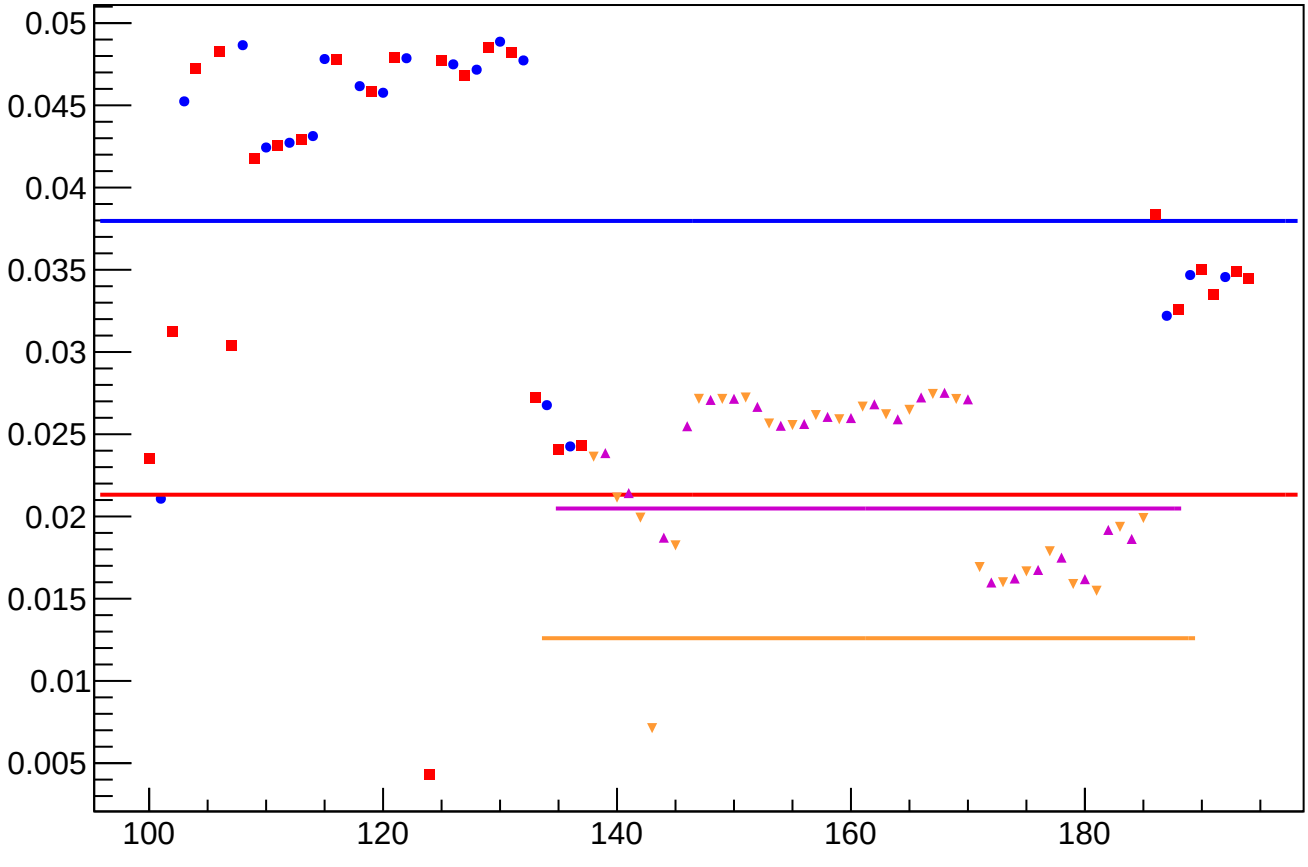
Right: 0.000+/-0.000 χ^2/NDF: 7047703.3/43

In: 0.000+/-0.000 χ^2/NDF:1209910.5/41

Out: 0.000+/-0.000 χ^2/NDF:6707194.0/49

All: 0.000+/-0.000 χ^2/NDF: 8232639.6/91

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7182862004.6/18

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.021+/-0.000 χ^2/NDF: 44386961589.1/24

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

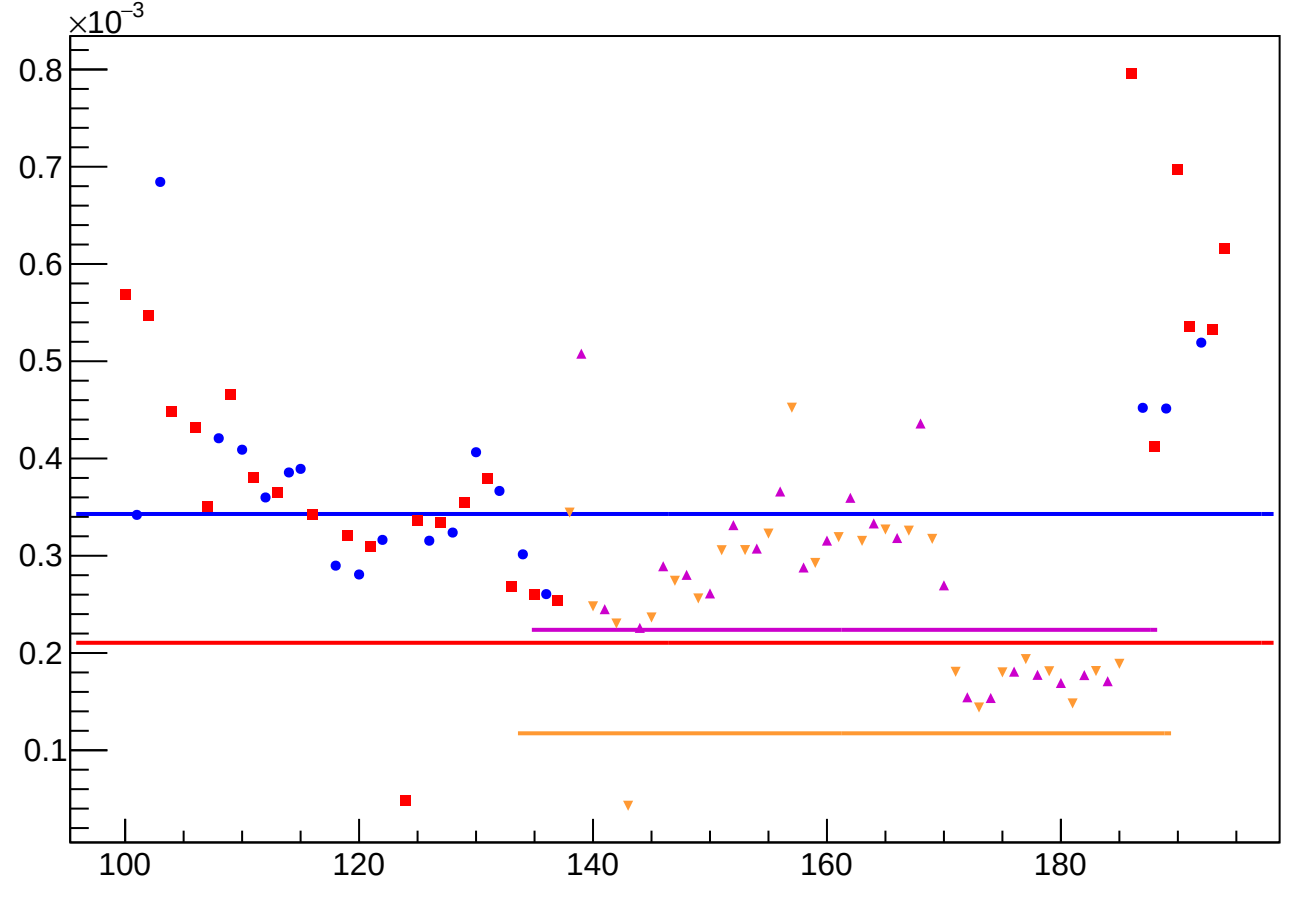
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.027+/-0.000 χ^2/NDF: 63826684667.3/43

In: 0.024+/-0.000 χ^2/NDF:29819285080.7/41

Out: 0.014+/-0.000 χ^2/NDF:90415425639.9/49

All: 0.017+/-0.000 χ^2/NDF: 144693859173.6



Right In: 0.000+/-0.000 χ^2/NDF: 908628.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8580100.2/24

Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

Left: 0.000+/-0.000 χ^2/NDF: 22654672.2/47

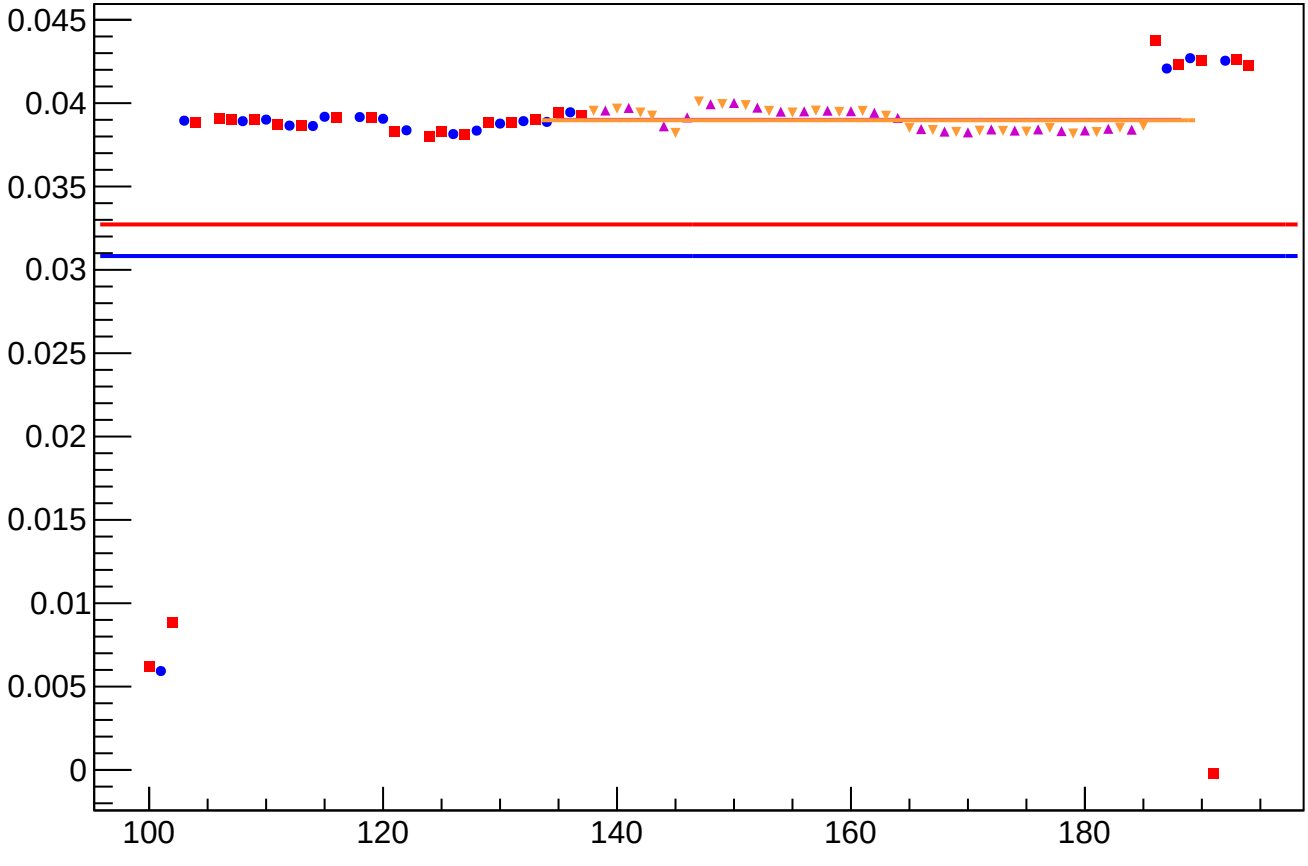
Right: 0.000+/-0.000 χ^2/NDF: 11040444.4/43

In: 0.000+/-0.000 χ^2/NDF:5831618.3/41

Out: 0.000+/-0.000 χ^2/NDF:24948059.1/49

All: 0.000+/-0.000 χ^2/NDF: 37494885.7/91

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000 χ^2/NDF: 113723764429.8/18

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.033+/-0.000 χ^2/NDF: 110270244368.7/24

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

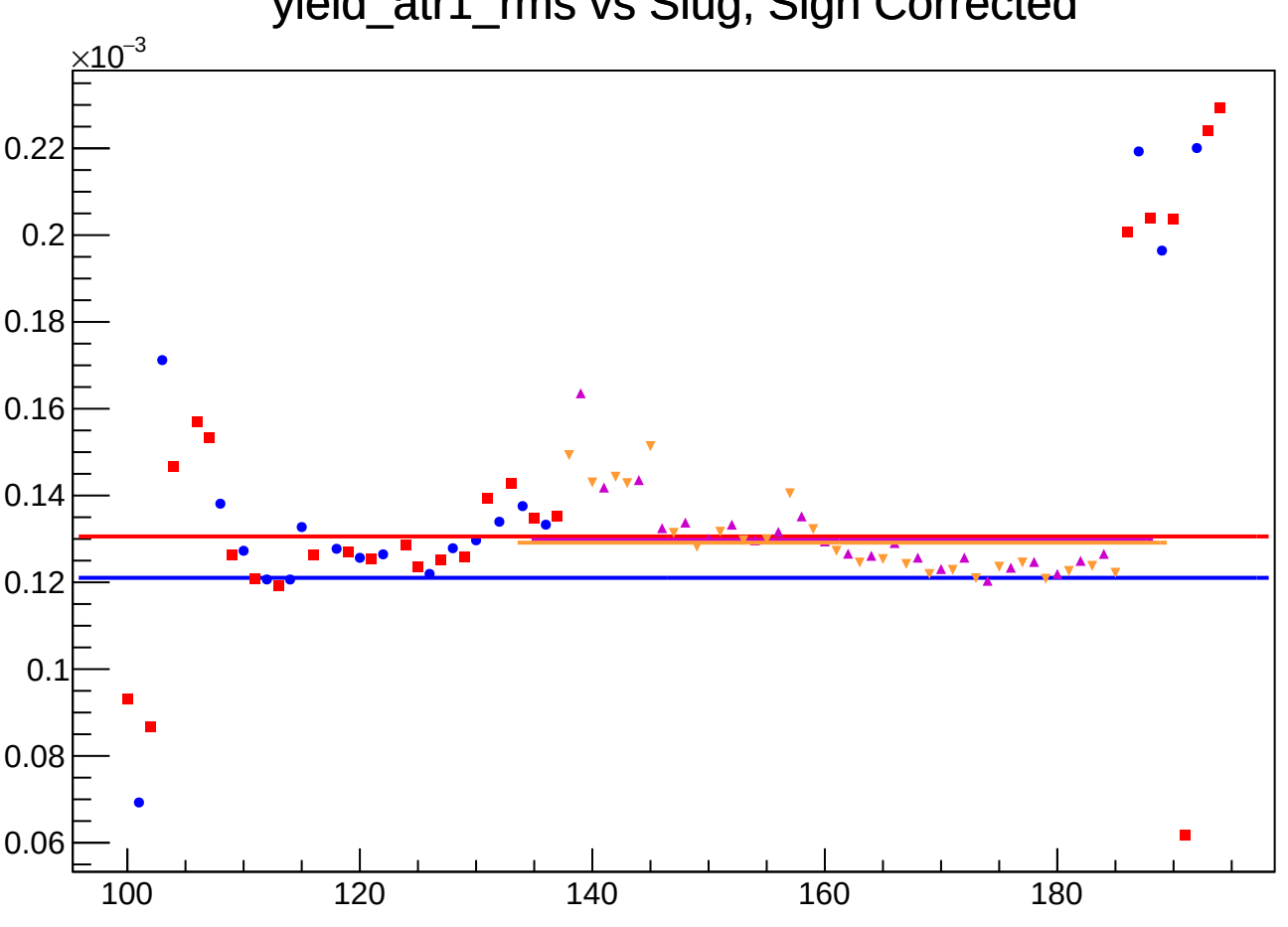
Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

Right: 0.032+/-0.000 χ^2/NDF: 224992053353.8/43

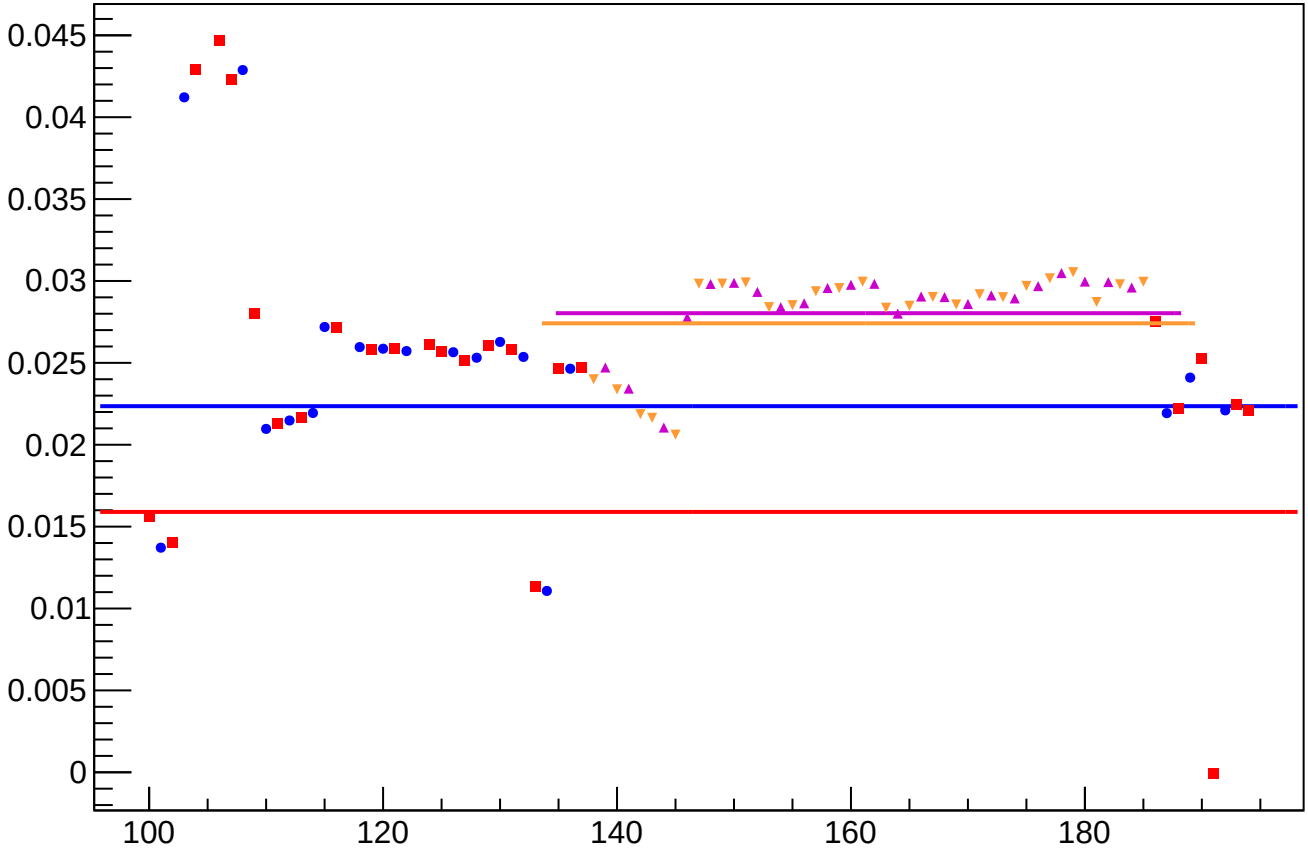
In: 0.036+/-0.000 χ^2/NDF:138131971526.5/41

Out: 0.037+/-0.000 χ^2/NDF:125532133941.2/49

All: 0.037+/-0.000 χ^2/NDF: 264018763715.1


yield_atr1_rms vs Slug, Sign Corrected
×10⁻³
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 1510463.8/18
Left Out: 0.000+/-0.000 χ²/NDF:157557.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 1789105.8/24
Left In: 0.000+/-0.000 χ²/NDF:141831.6/22
Left: 0.000+/-0.000 χ²/NDF: 299820.4/47
Right: 0.000+/-0.000 χ²/NDF: 3350086.0/43
In: 0.000+/-0.000 χ²/NDF:1707163.9/41
Out: 0.000+/-0.000 χ²/NDF:1948199.7/49
All: 0.000+/-0.000 χ²/NDF: 3668403.7/91

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5024438910.5/18

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.016+/-0.000 χ^2/NDF: 24852221852.6/24

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

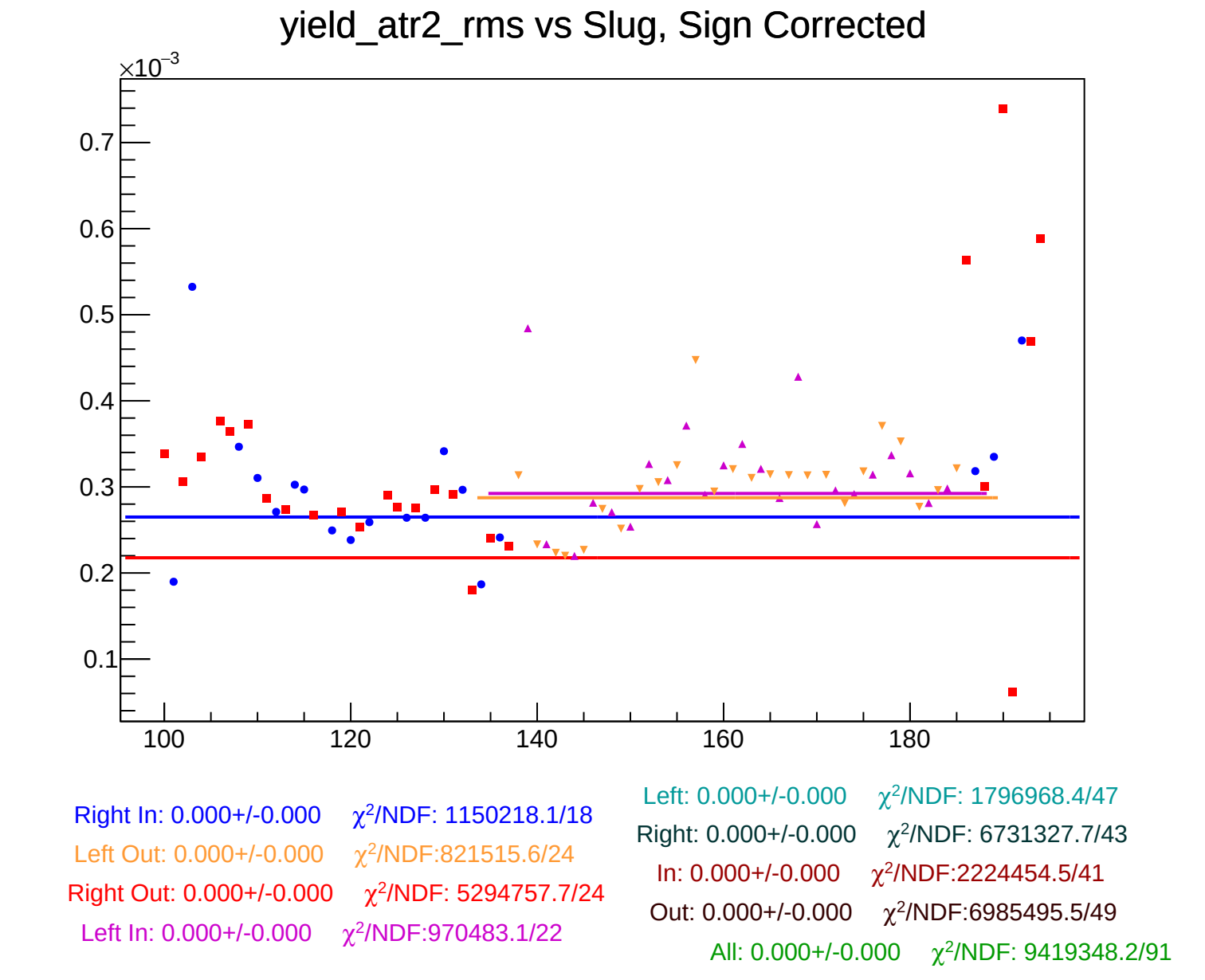
Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

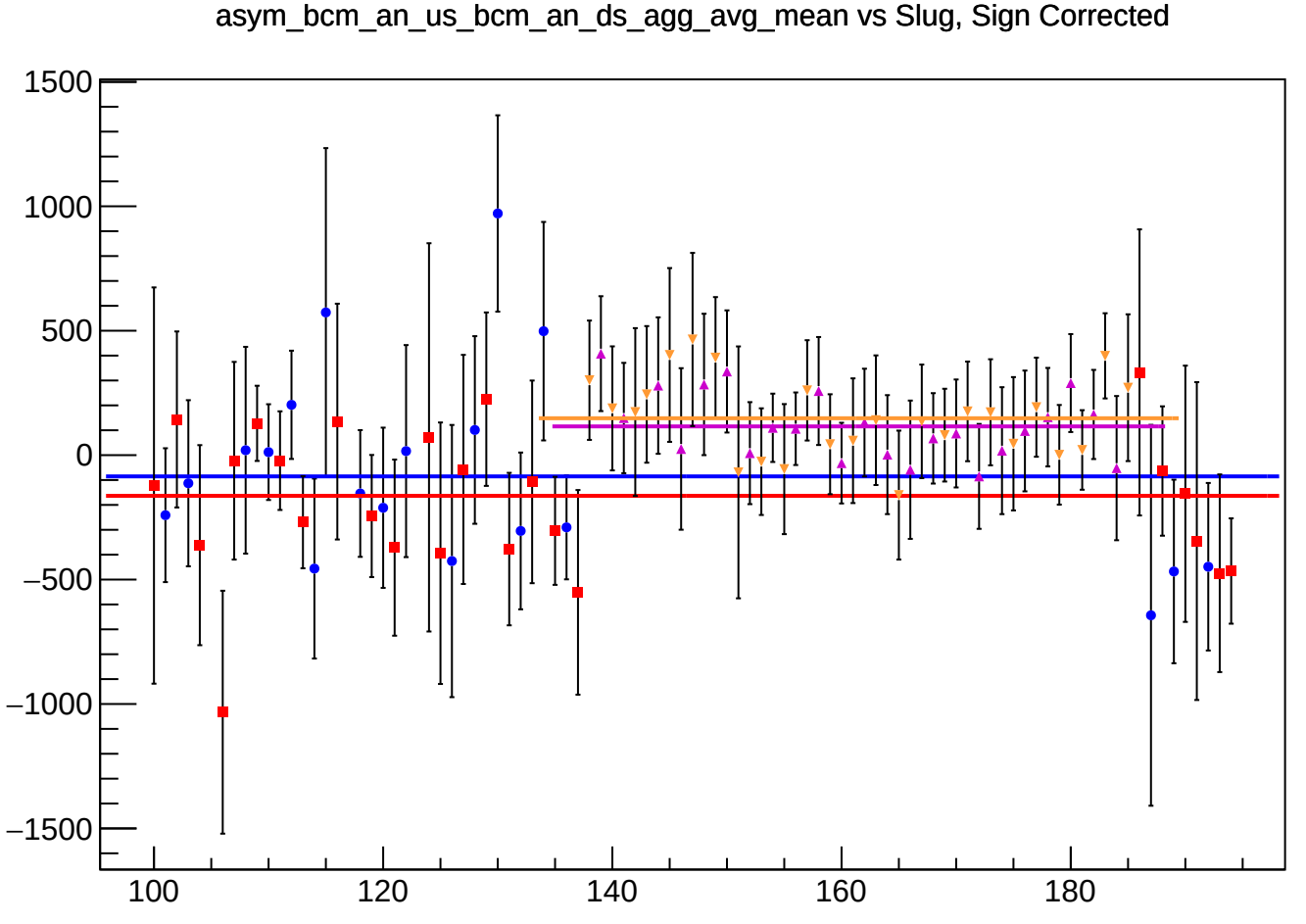
Right: 0.019+/-0.000 χ^2/NDF: 32542099968.0/43

In: 0.026+/-0.000 χ^2/NDF:8744056792.0/41

Out: 0.022+/-0.000 χ^2/NDF:38949952645.7/49

All: 0.024+/-0.000 χ^2/NDF: 49763161501.7/9


yield_atr2_rms vs Slug, Sign Corrected
×10⁻³
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 1150218.1/18
Left Out: 0.000+/-0.000 χ²/NDF:821515.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 5294757.7/24
Left In: 0.000+/-0.000 χ²/NDF:970483.1/22
Left: 0.000+/-0.000 χ²/NDF: 1796968.4/47
Right: 0.000+/-0.000 χ²/NDF: 6731327.7/43
In: 0.000+/-0.000 χ²/NDF:2224454.5/41
Out: 0.000+/-0.000 χ²/NDF:6985495.5/49
All: 0.000+/-0.000 χ²/NDF: 9419348.2/91



Right In: -85.360+/-72.525 χ^2/NDF: 18.5/18

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: -163.505+/-61.018 χ^2/NDF: 16.7/24

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 130.913+/-31.703 χ^2/NDF: 18.4/47

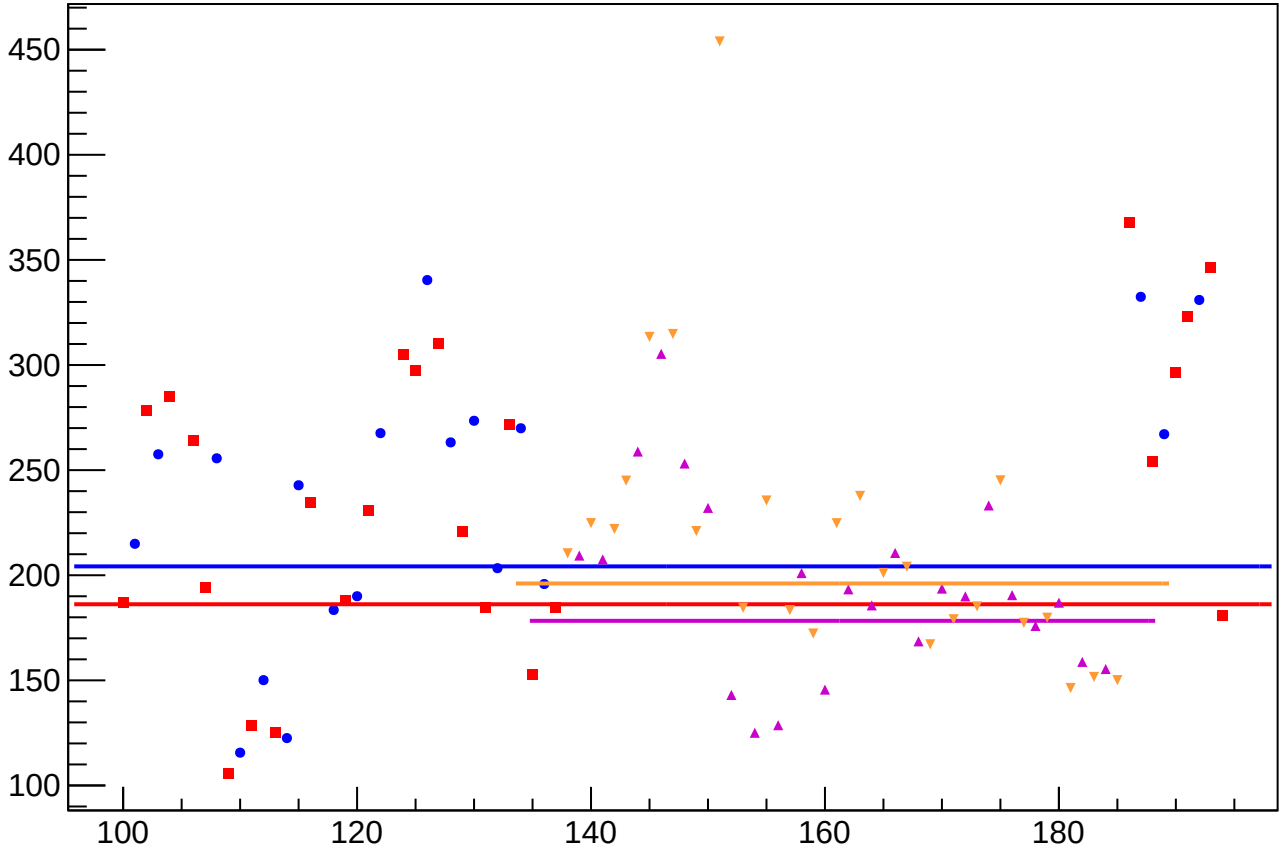
Right: -131.117+/-46.691 χ^2/NDF: 35.9/43

In: 62.227+/-37.347 χ^2/NDF:31.9/41

Out: 34.605+/-36.843 χ^2/NDF:43.7/49

All: 48.228+/-26.228 χ^2/NDF: 75.9/91

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 204.218+/-0.051 χ^2/NDF: 1483543.4/18

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

Right Out: 186.201+/-0.043 χ^2/NDF: 2597961.9/24

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

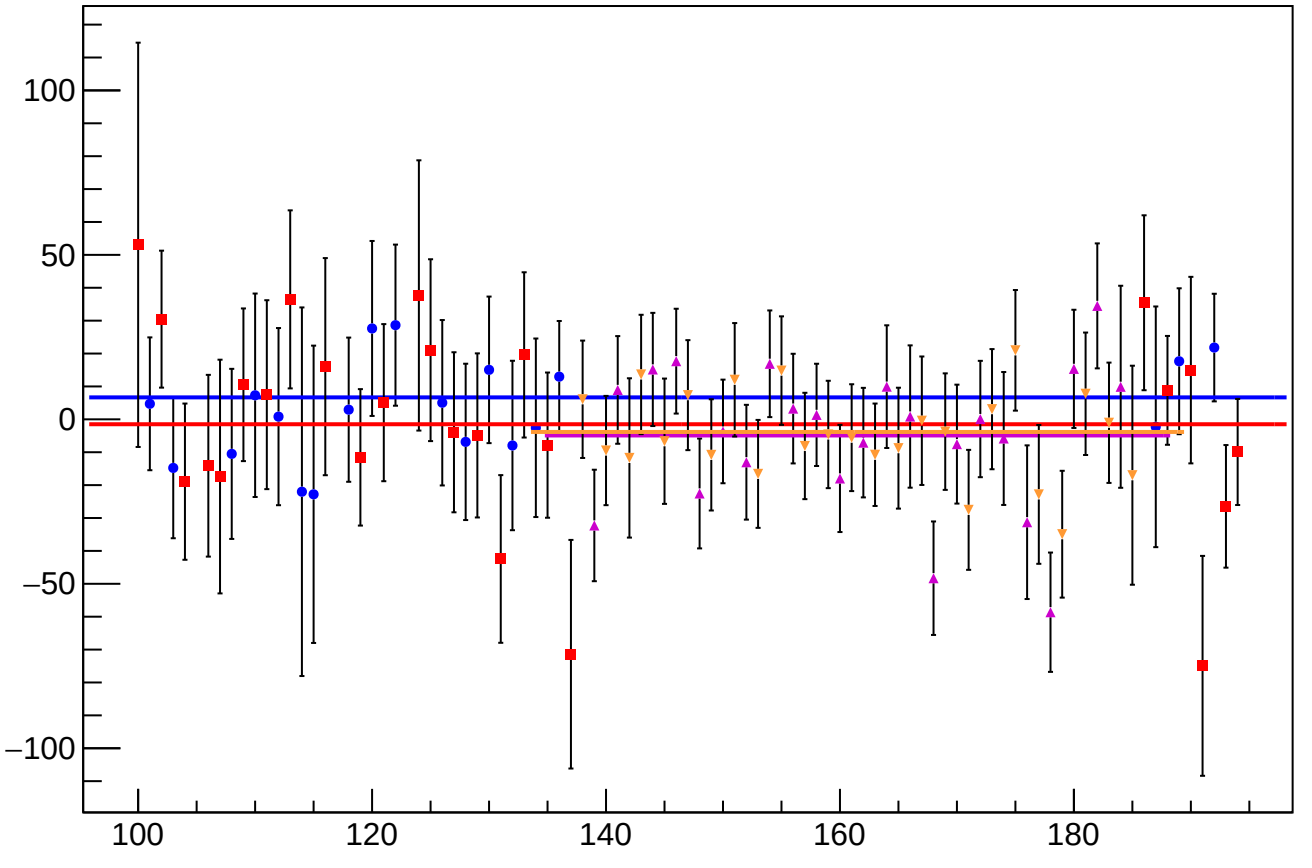
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 193.668+/-0.033 χ^2/NDF: 4153778.3/43

In: 185.186+/-0.026 χ^2/NDF:3349310.1/41

Out: 192.482+/-0.026 χ^2/NDF:4449812.2/49

All: 188.884+/-0.019 χ^2/NDF: 7837810.2/91



Right In: 6.674+/-5.524 χ^2/NDF: 5.9/18

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

Right Out: -1.491+/-4.938 χ^2/NDF: 25.6/24

Left In: -4.903+/-3.695 χ^2/NDF:33.9/22

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

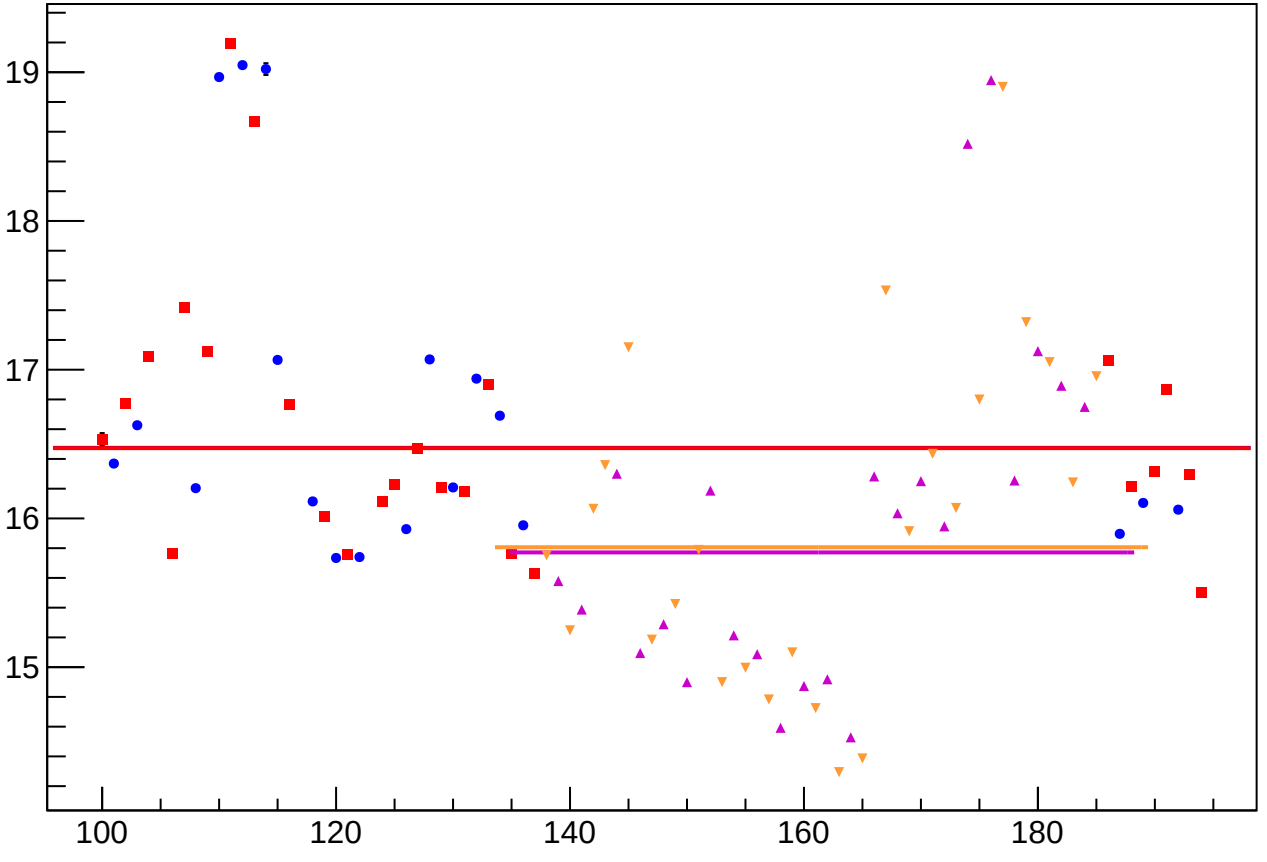
Right: 2.136+/-3.682 χ^2/NDF: 32.7/43

In: -1.324+/-3.071 χ^2/NDF:42.8/41

Out: -3.020+/-2.910 χ^2/NDF:38.6/49

All: -2.218+/-2.113 χ^2/NDF: 81.5/91

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.474+/-0.004 χ^2/NDF: 47492.4/18

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

Right Out: 16.473+/-0.003 χ^2/NDF: 53964.8/24

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

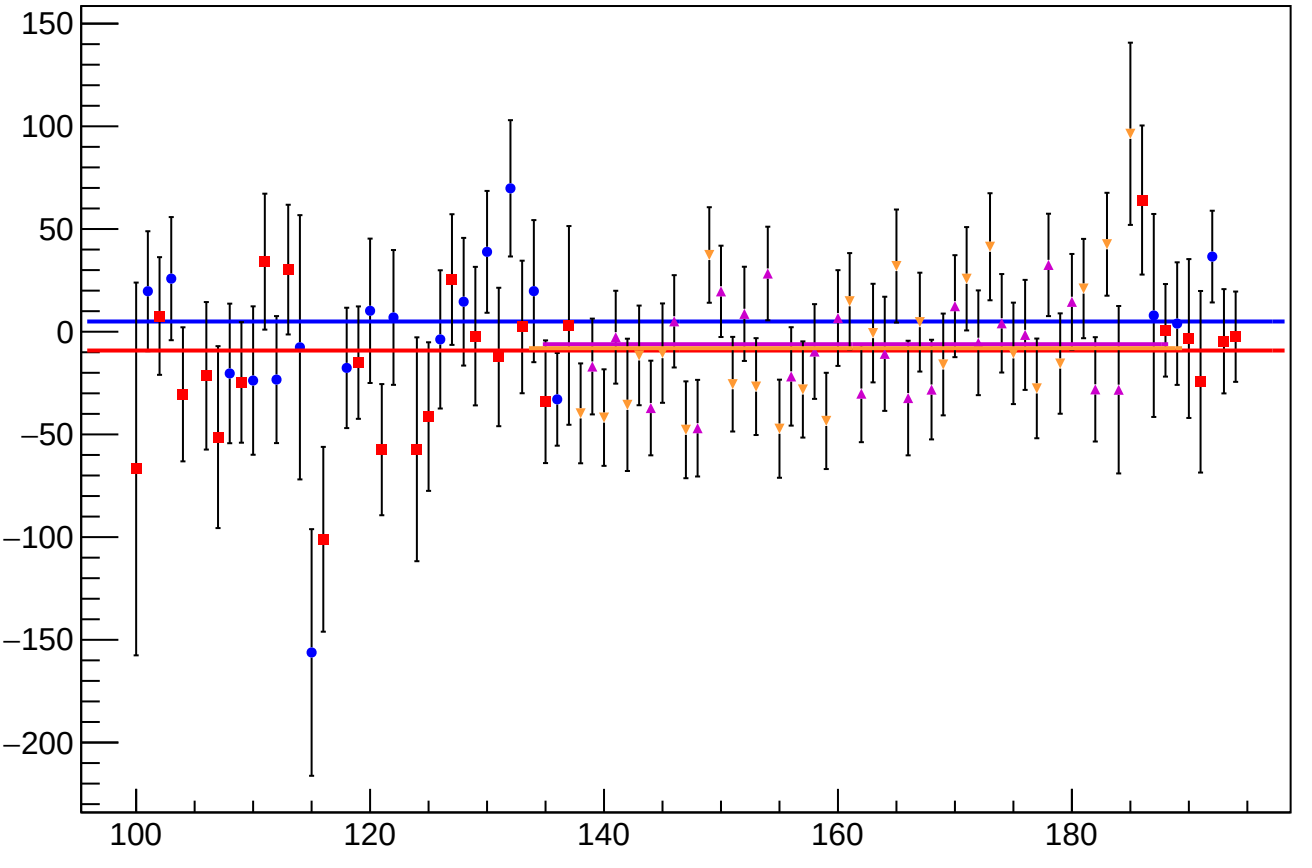
Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

Right: 16.473+/-0.003 χ^2/NDF: 101457.4/43

In: 15.989+/-0.002 χ^2/NDF:222003.3/41

Out: 16.038+/-0.002 χ^2/NDF:250383.8/49

All: 16.015+/-0.001 χ^2/NDF: 472655.6/91



Right In: 4.977+/-7.315 χ^2/NDF: 20.9/18

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: -9.158+/-6.546 χ^2/NDF: 20.5/24

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

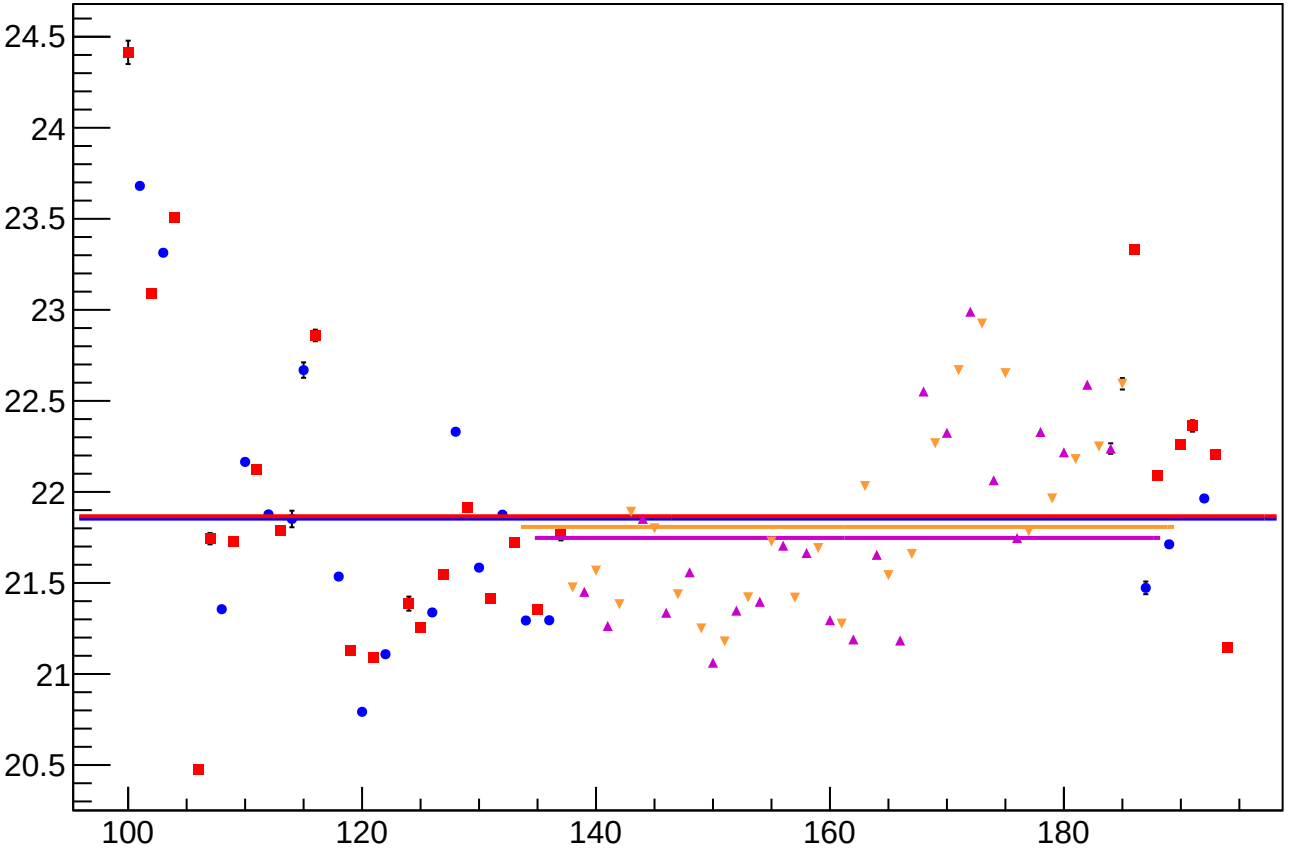
Right: -2.873+/-4.878 χ^2/NDF: 43.5/43

In: -2.487+/-4.173 χ^2/NDF:40.4/41

Out: -8.432+/-3.951 χ^2/NDF:59.3/49

All: -5.621+/-2.869 χ^2/NDF: 100.8/91

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.853+/-0.005 χ^2/NDF: 19681.7/18

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

Right Out: 21.866+/-0.005 χ^2/NDF: 25439.5/24

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

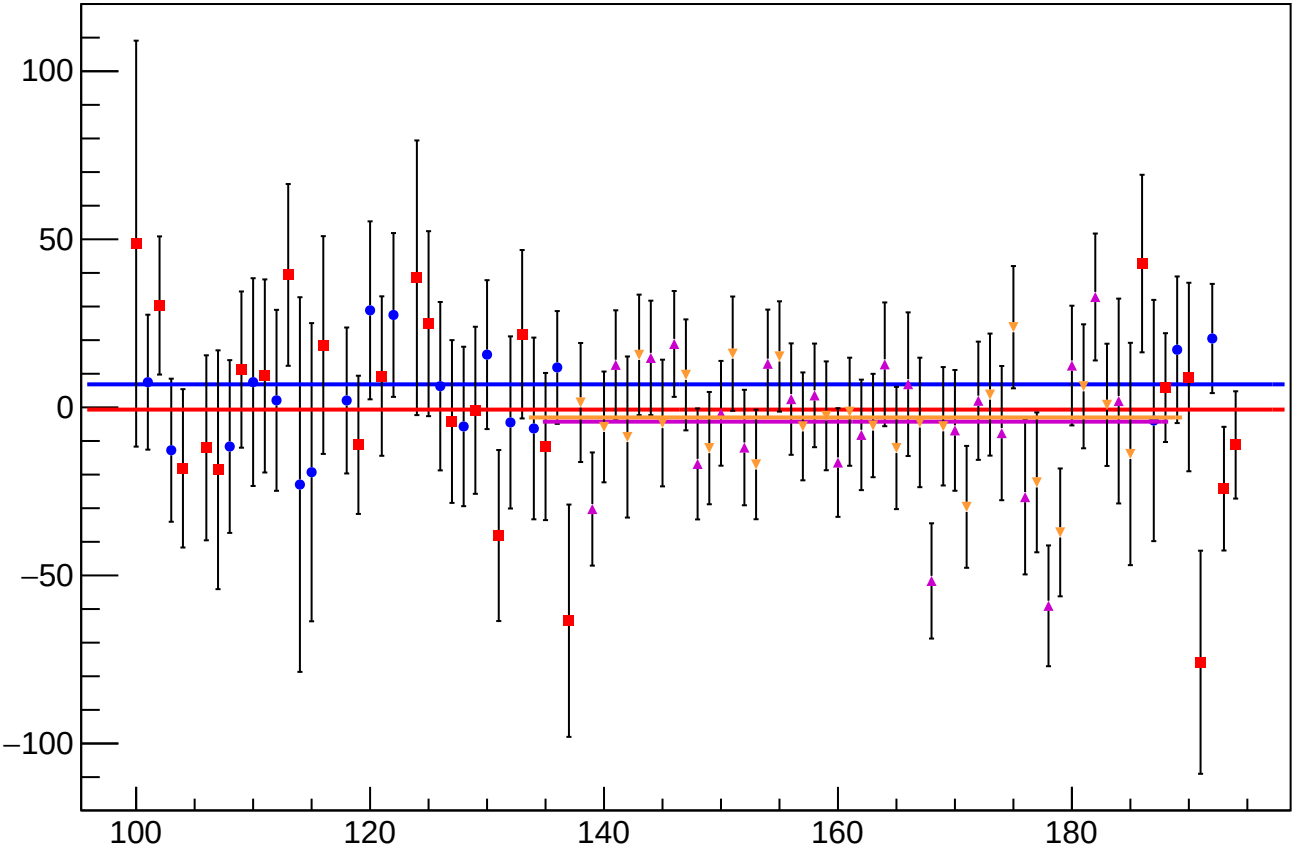
Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

Right: 21.861+/-0.003 χ^2/NDF: 45124.7/43

In: 21.782+/-0.003 χ^2/NDF:40526.8/41

Out: 21.829+/-0.003 χ^2/NDF:43102.5/49

All: 21.807+/-0.002 χ^2/NDF: 83764.5/91



Right In: 6.852+/-5.487 χ^2/NDF: 5.5/18

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

Right Out: -0.658+/-4.897 χ^2/NDF: 25.8/24

Left In: -4.249+/-3.661 χ^2/NDF:33.8/22

Left: -3.610+/-2.555 χ^2/NDF: 48.5/47

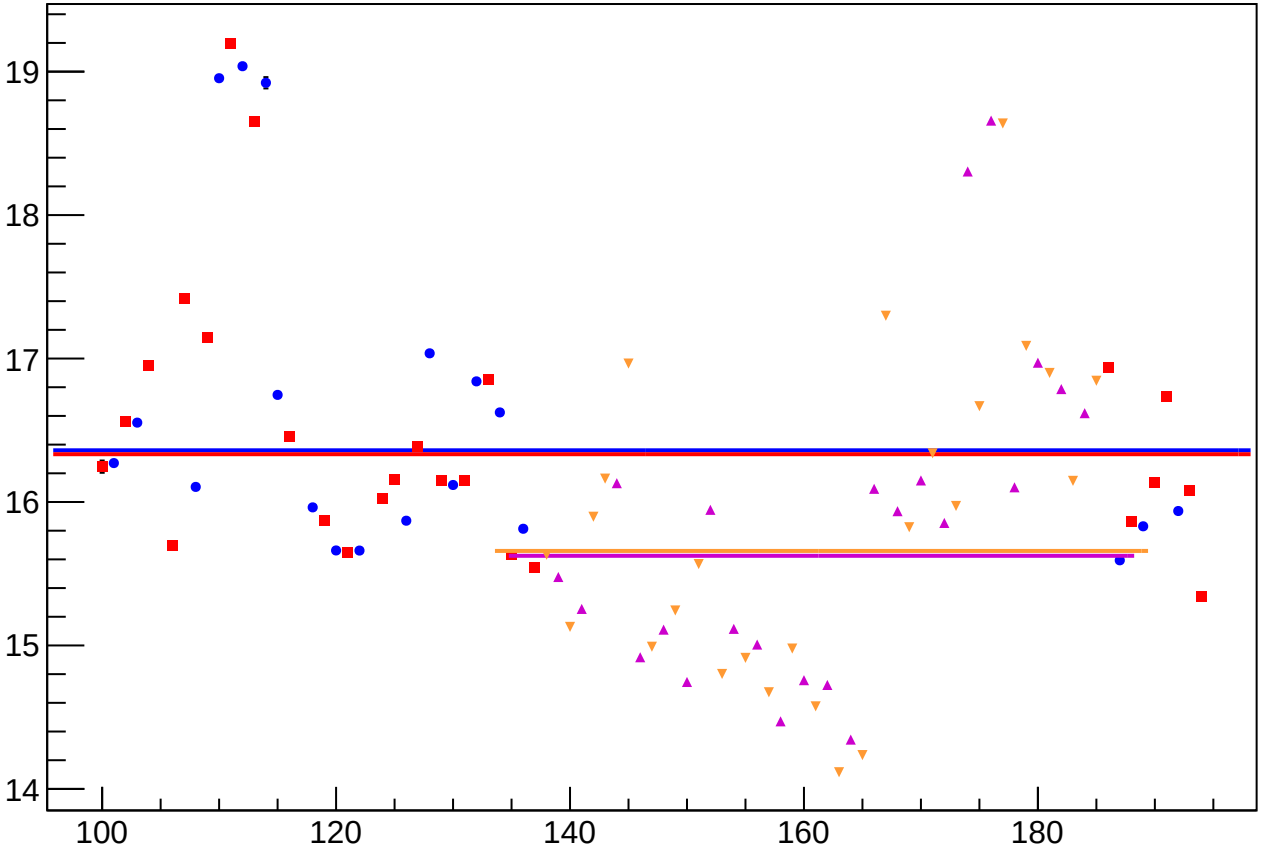
Right: 2.672+/-3.654 χ^2/NDF: 32.3/43

In: -0.830+/-3.045 χ^2/NDF:42.1/41

Out: -2.189+/-2.884 χ^2/NDF:40.6/49

All: -1.546+/-2.094 χ^2/NDF: 82.8/91

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.360+/-0.004 χ^2/NDF: 51462.8/18

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

Right Out: 16.333+/-0.003 χ^2/NDF: 59784.5/24

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

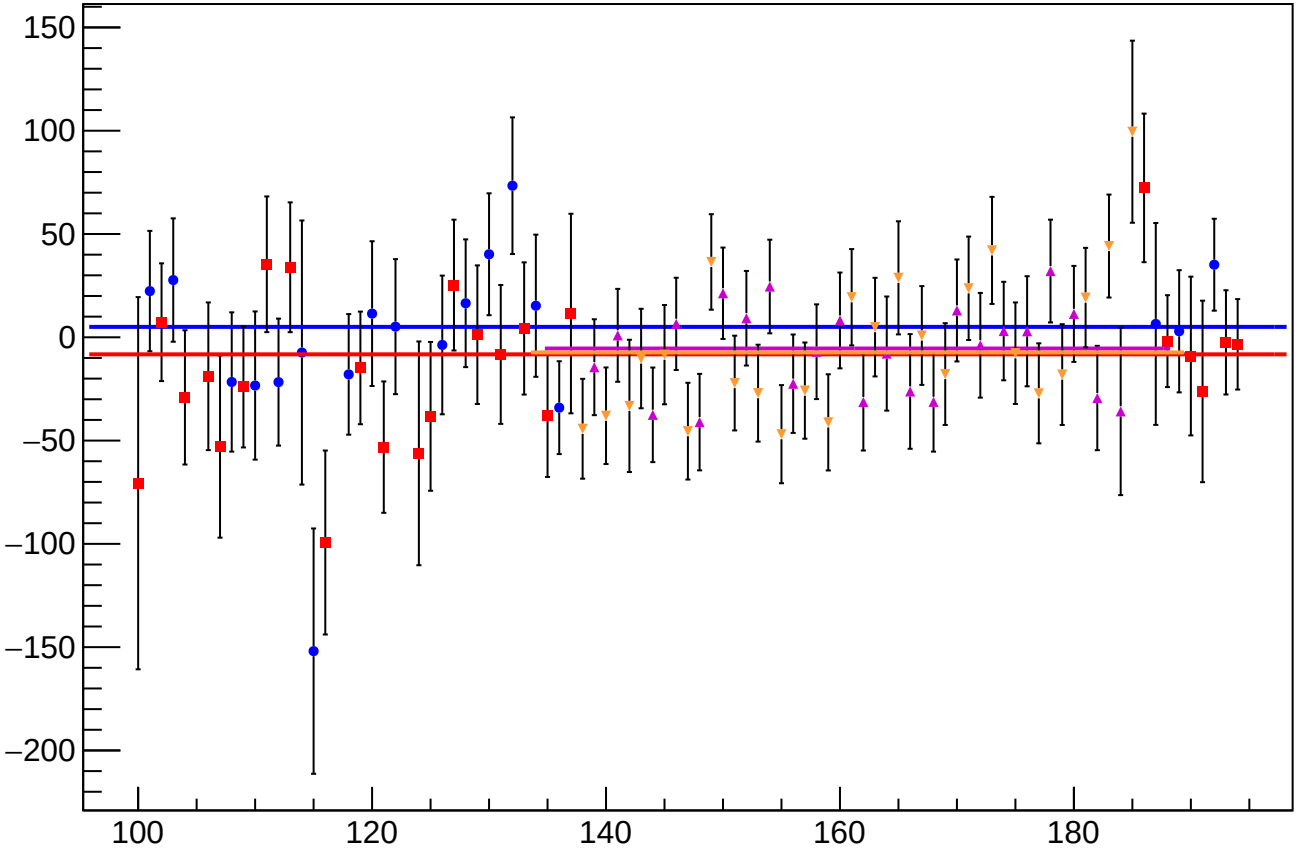
Right: 16.345+/-0.003 χ^2/NDF: 111274.8/43

In: 15.852+/-0.002 χ^2/NDF:226751.3/41

Out: 15.893+/-0.002 χ^2/NDF:254378.8/49

All: 15.873+/-0.001 χ^2/NDF: 481323.3/91

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.041+/-7.280 χ^2/NDF: 21.5/18

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

Right Out: -8.251+/-6.508 χ^2/NDF: 21.8/24

Left In: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

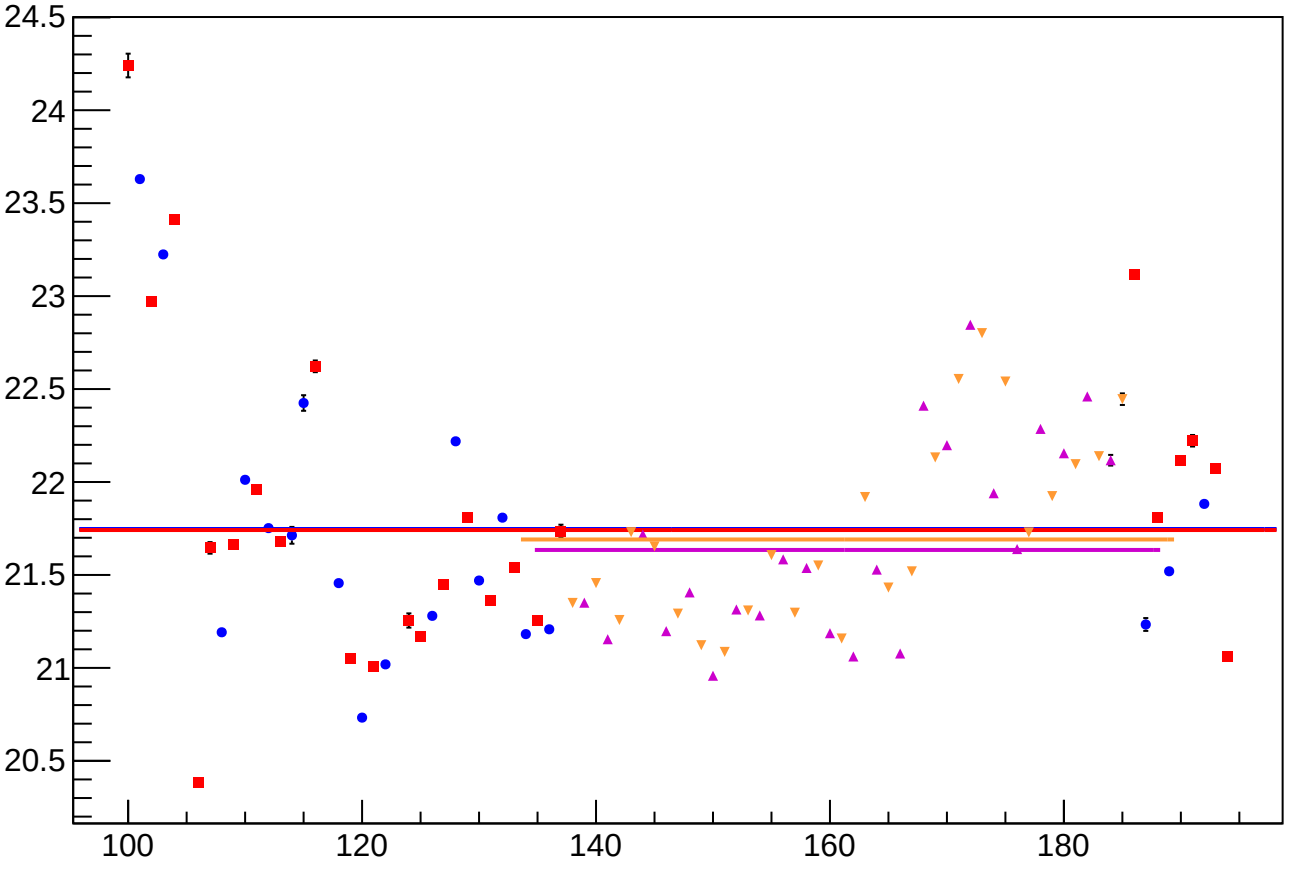
Right: -2.346+/-4.852 χ^2/NDF: 45.1/43

In: -2.028+/-4.151 χ^2/NDF:40.1/41

Out: -7.658+/-3.930 χ^2/NDF:60.4/49

All: -4.998+/-2.854 χ^2/NDF: 101.5/91

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.747+/-0.005 χ^2/NDF: 20163.7/18

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.742+/-0.005 χ^2/NDF: 24039.7/24

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

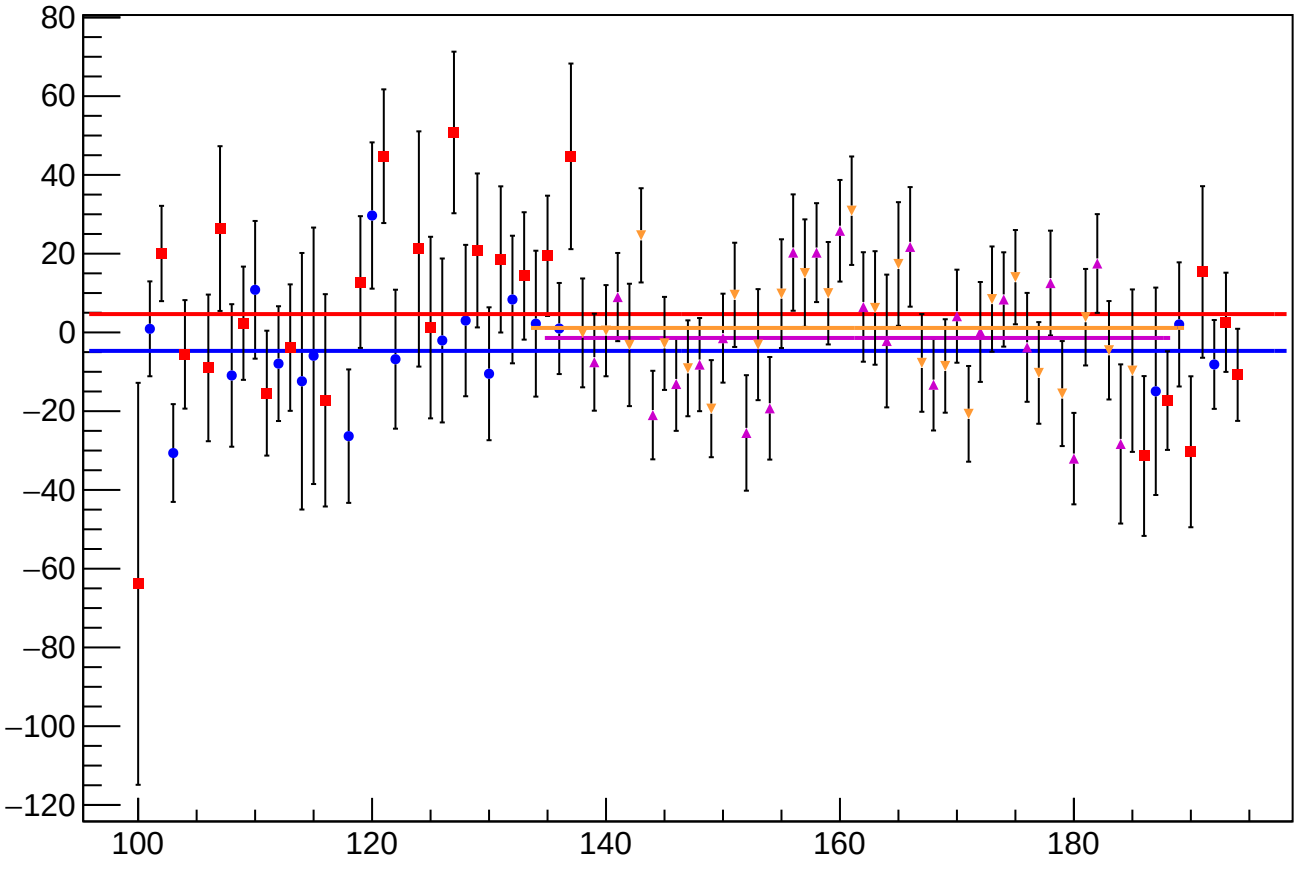
Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

Right: 21.744+/-0.003 χ^2/NDF: 44204.0/43

In: 21.671+/-0.003 χ^2/NDF:41047.9/41

Out: 21.709+/-0.003 χ^2/NDF:42051.9/49

All: 21.691+/-0.002 χ^2/NDF: 83189.4/91



Right In: -4.692+/-3.729 χ^2/NDF: 12.4/18

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: 4.656+/-3.394 χ^2/NDF: 36.3/24

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

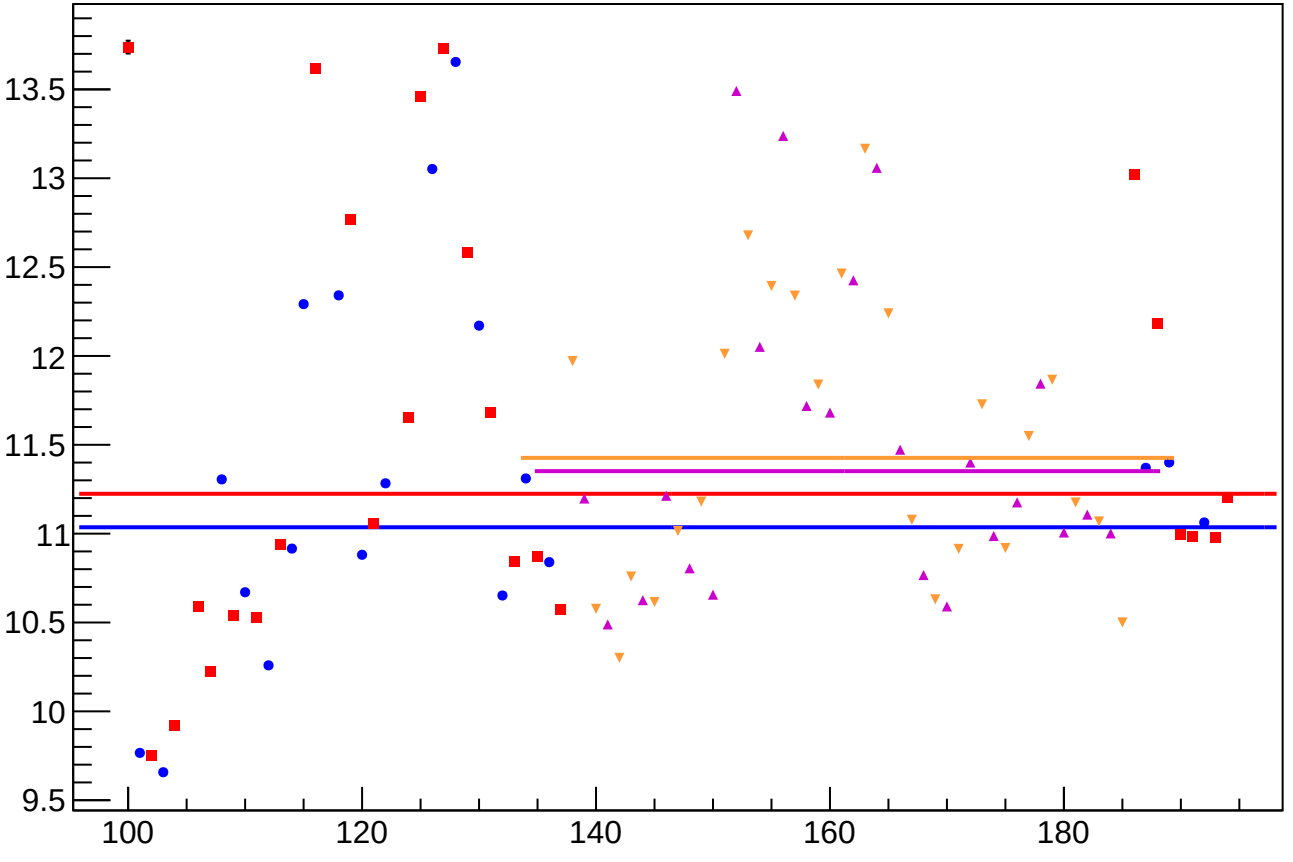
Right: 0.420+/-2.510 χ^2/NDF: 52.2/43

In: -2.522+/-2.173 χ^2/NDF:49.2/41

Out: 2.451+/-2.074 χ^2/NDF:61.5/49

All: 0.080+/-1.500 χ^2/NDF: 113.5/91

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.036+/-0.003 χ^2/NDF: 137723.7/18

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

Right Out: 11.224+/-0.002 χ^2/NDF: 193584.9/24

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

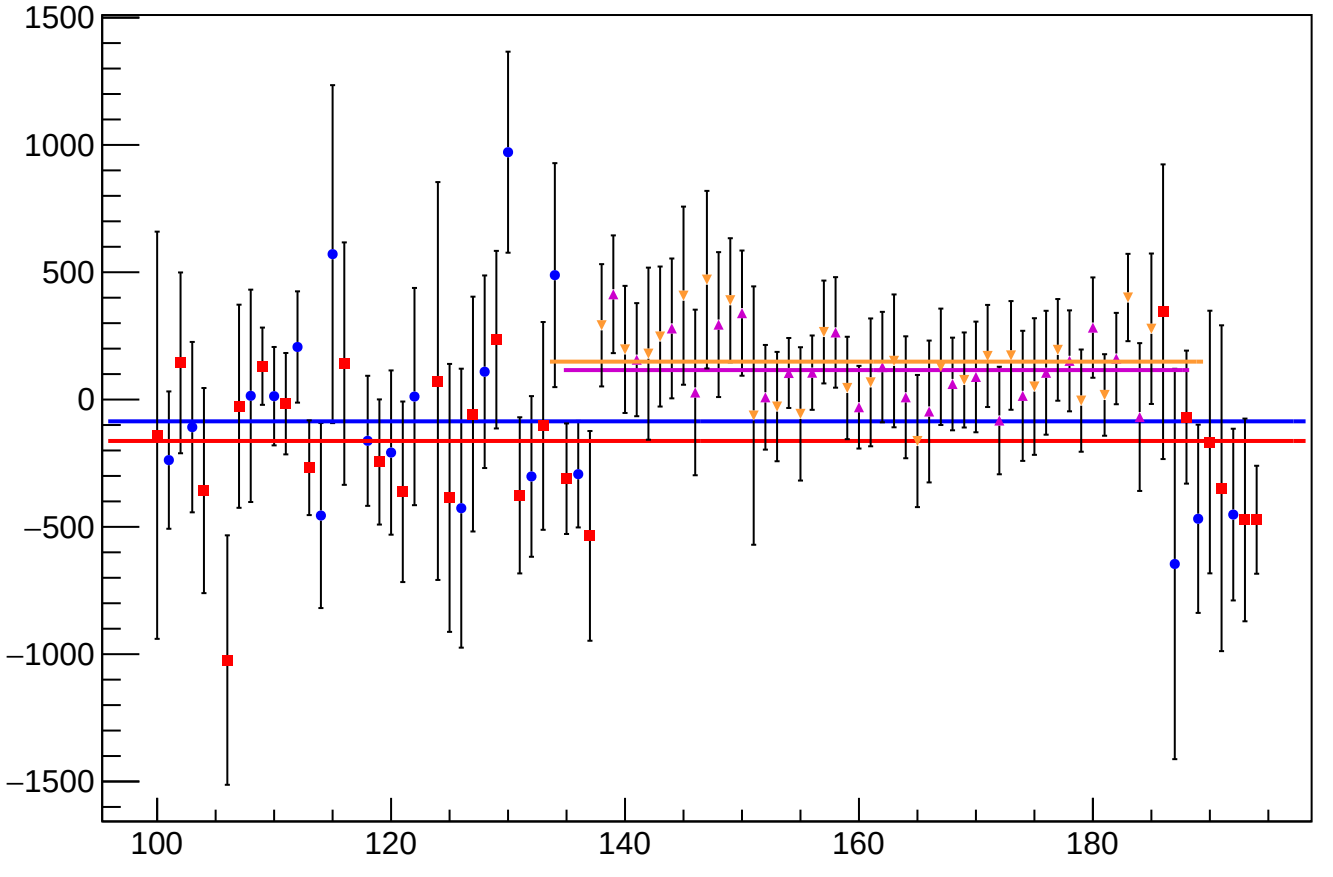
Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

Right: 11.139+/-0.002 χ^2/NDF: 334100.9/43

In: 11.244+/-0.002 χ^2/NDF:317760.2/41

Out: 11.351+/-0.001 χ^2/NDF:355003.7/49

All: 11.300+/-0.001 χ^2/NDF: 675279.8/91



Right In: -85.538+/-72.733 χ^2/NDF: 18.5/18

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -162.655+/-61.204 χ^2/NDF: 16.8/24

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

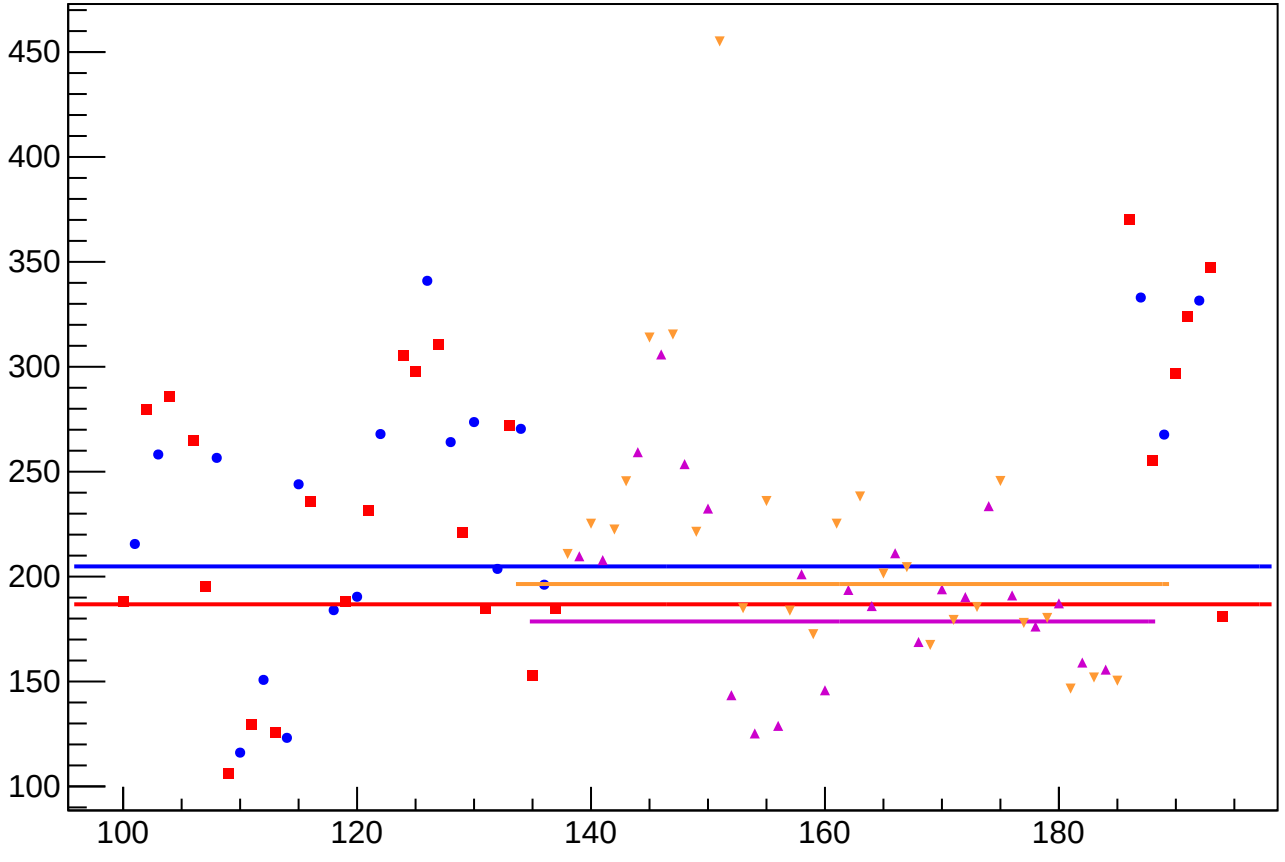
Right: -130.686+/-46.830 χ^2/NDF: 35.9/43

In: 62.436+/-37.421 χ^2/NDF:31.9/41

Out: 35.484+/-36.928 χ^2/NDF:43.7/49

All: 48.781+/-26.285 χ^2/NDF: 75.9/91

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 204.853+/-0.051 χ^2/NDF: 1475586.4/18

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 186.796+/-0.043 χ^2/NDF: 2592538.5/24

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

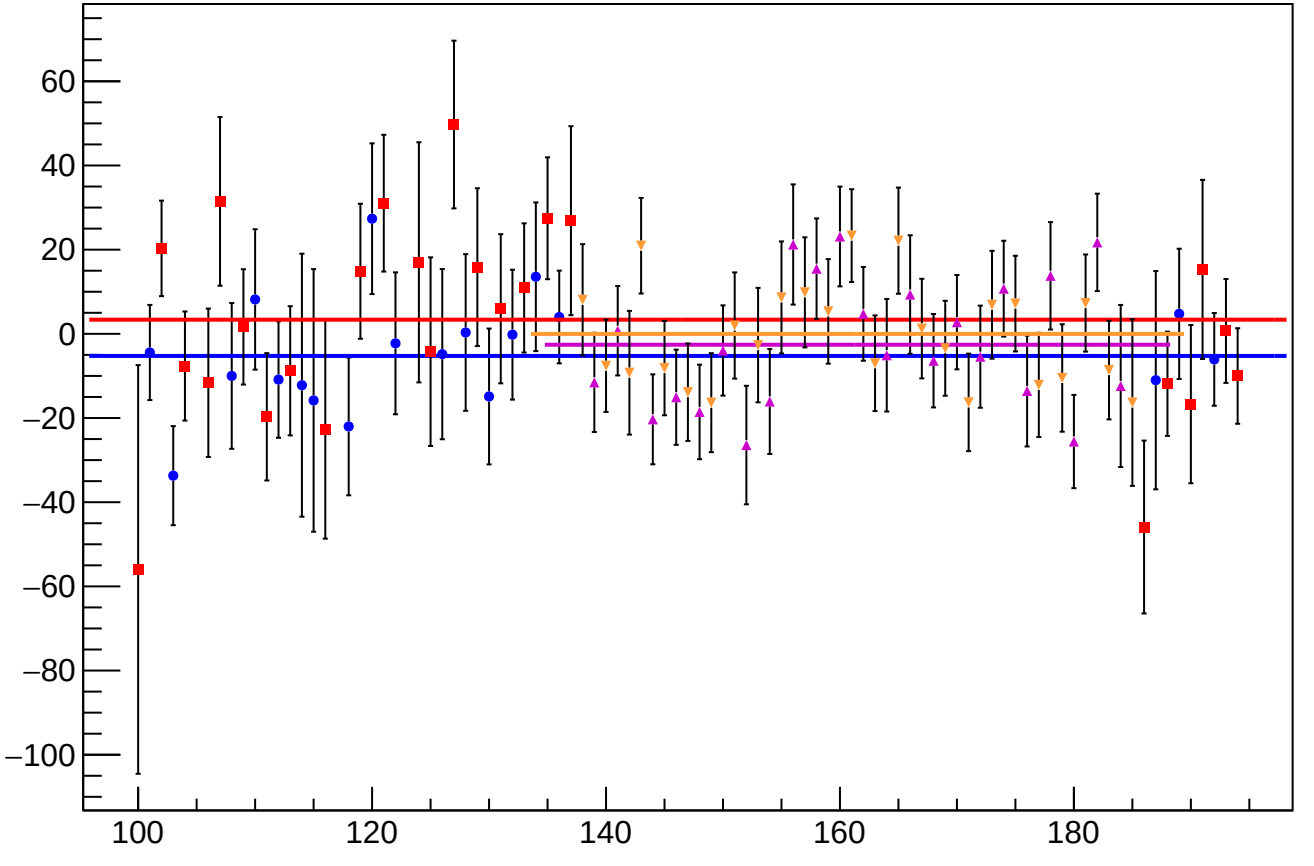
Right: 194.281+/-0.033 χ^2/NDF: 4140292.5/43

In: 185.560+/-0.026 χ^2/NDF:3345833.7/41

Out: 192.938+/-0.026 χ^2/NDF:4442959.6/49

All: 189.298+/-0.019 χ^2/NDF: 7828186.4/91

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.247+/-3.572 χ^2/NDF: 14.2/18

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 3.362+/-3.262 χ^2/NDF: 35.0/24

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

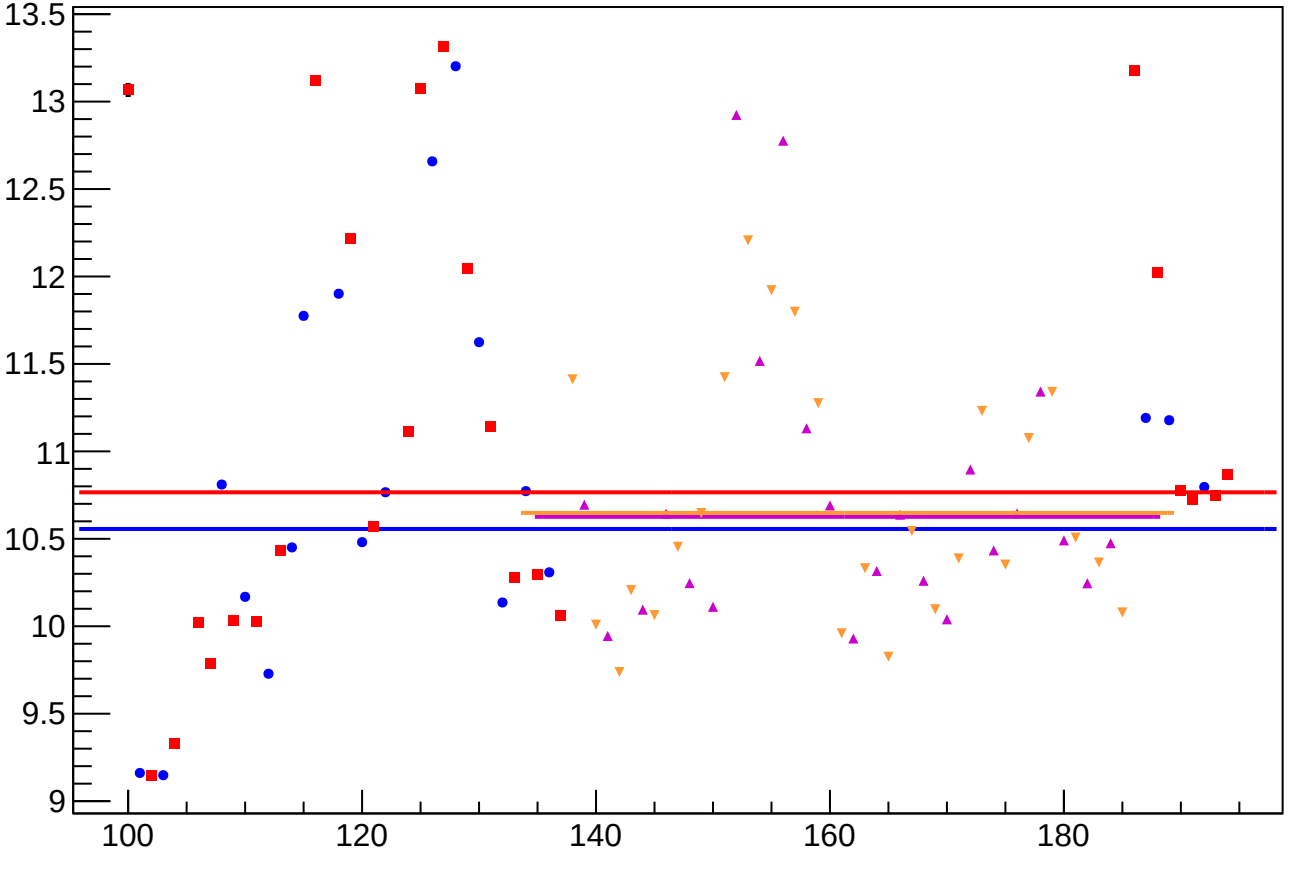
Right: -0.553+/-2.409 χ^2/NDF: 52.3/43

In: -3.467+/-2.052 χ^2/NDF:49.3/41

Out: 1.198+/-1.956 χ^2/NDF:59.4/49

All: -1.024+/-1.416 χ^2/NDF: 111.5/91

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.556+/-0.003 χ^2/NDF: 163691.3/18

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.766+/-0.002 χ^2/NDF: 241663.7/24

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

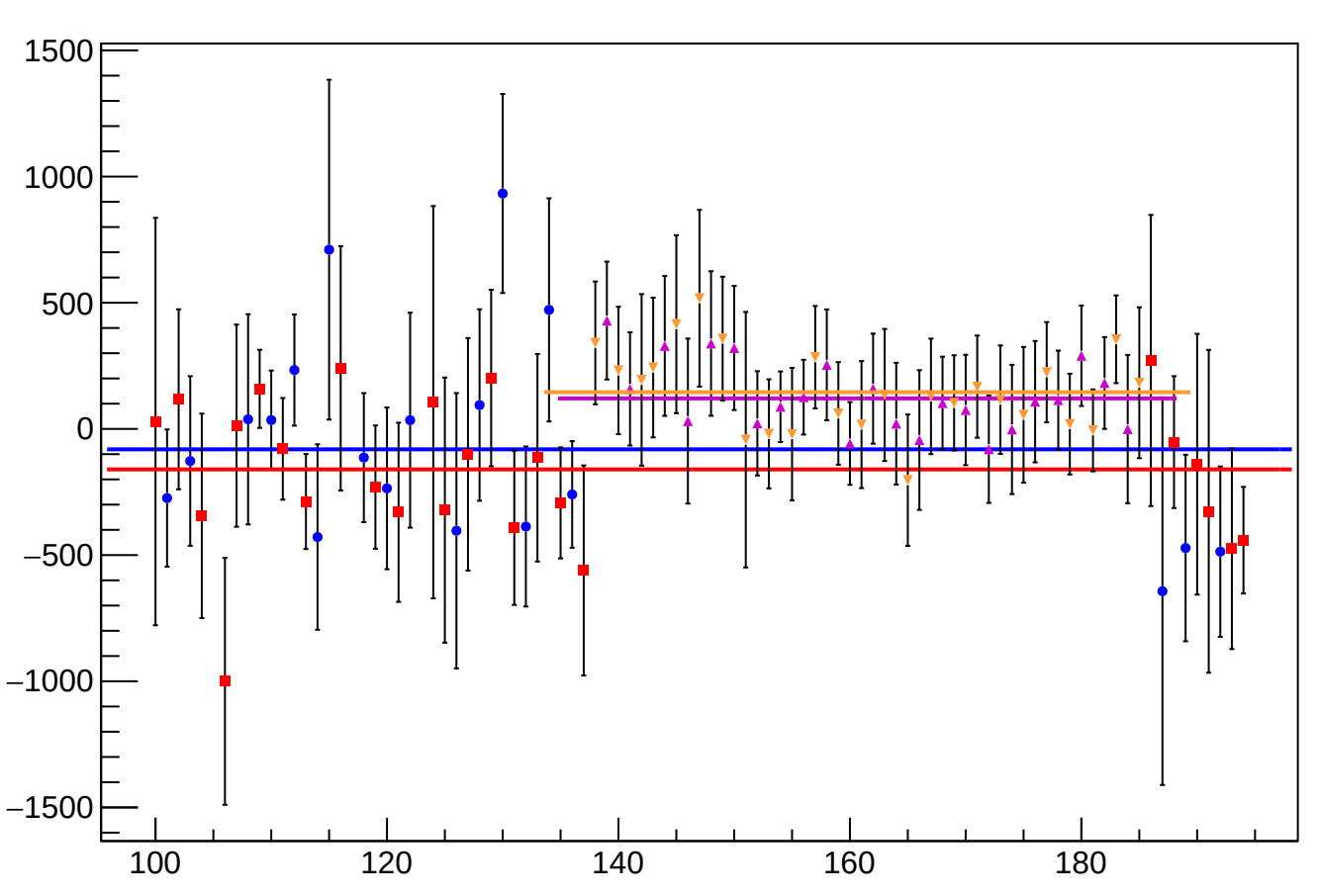
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.671+/-0.002 χ^2/NDF: 409111.3/43

In: 10.603+/-0.001 χ^2/NDF:323740.6/41

Out: 10.691+/-0.001 χ^2/NDF:386865.5/49

All: 10.649+/-0.001 χ^2/NDF: 712524.4/91



Right In: -80.900+/-73.159 χ^2/NDF: 19.1/18

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: -160.533+/-61.623 χ^2/NDF: 16.2/24

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

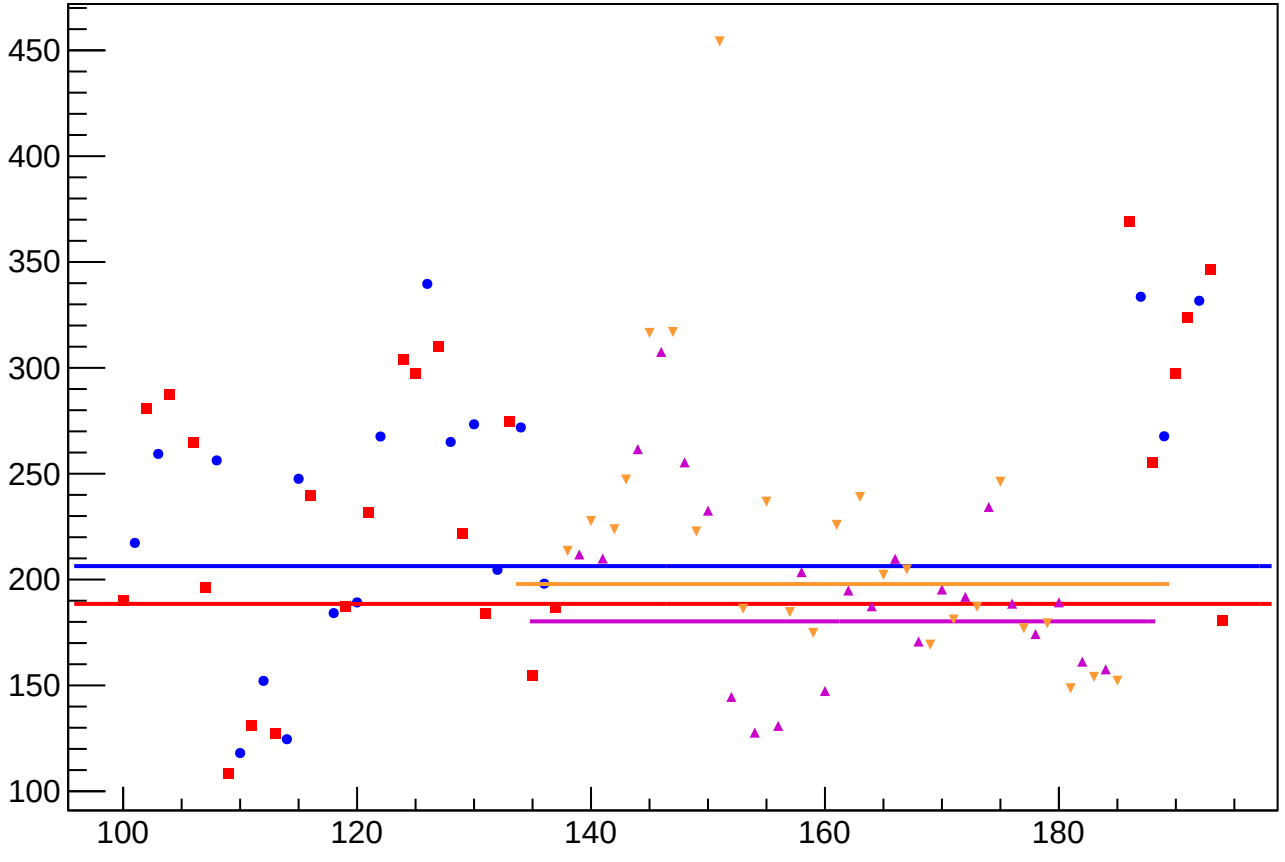
Right: -127.482+/-47.131 χ^2/NDF: 36.0/43

In: 67.296+/-37.702 χ^2/NDF:32.9/41

Out: 34.152+/-37.176 χ^2/NDF:42.2/49

All: 50.491+/-26.471 χ^2/NDF: 75.5/91

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 206.349+/-0.052 χ^2/NDF: 1434089.4/18

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

Right Out: 188.511+/-0.044 χ^2/NDF: 2513041.2/24

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

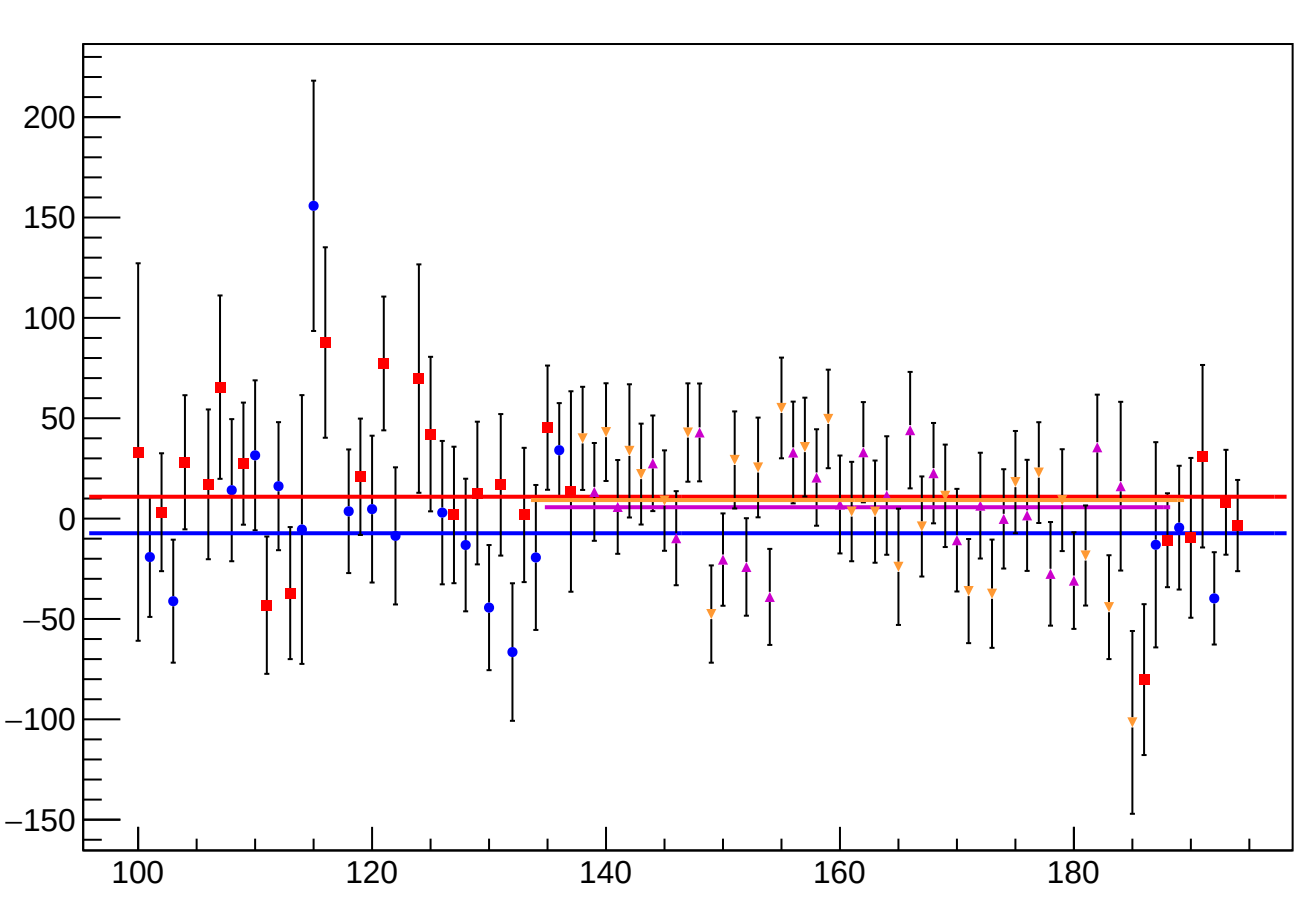
Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

Right: 195.915+/-0.033 χ^2/NDF: 4016682.4/43

In: 187.180+/-0.027 χ^2/NDF:3248833.2/41

Out: 194.477+/-0.026 χ^2/NDF:4331357.5/49

All: 190.880+/-0.019 χ^2/NDF: 7618175.8/91



Right In: -7.298+/-7.599 χ^2/NDF: 20.2/18

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: 10.893+/-6.805 χ^2/NDF: 24.2/24

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

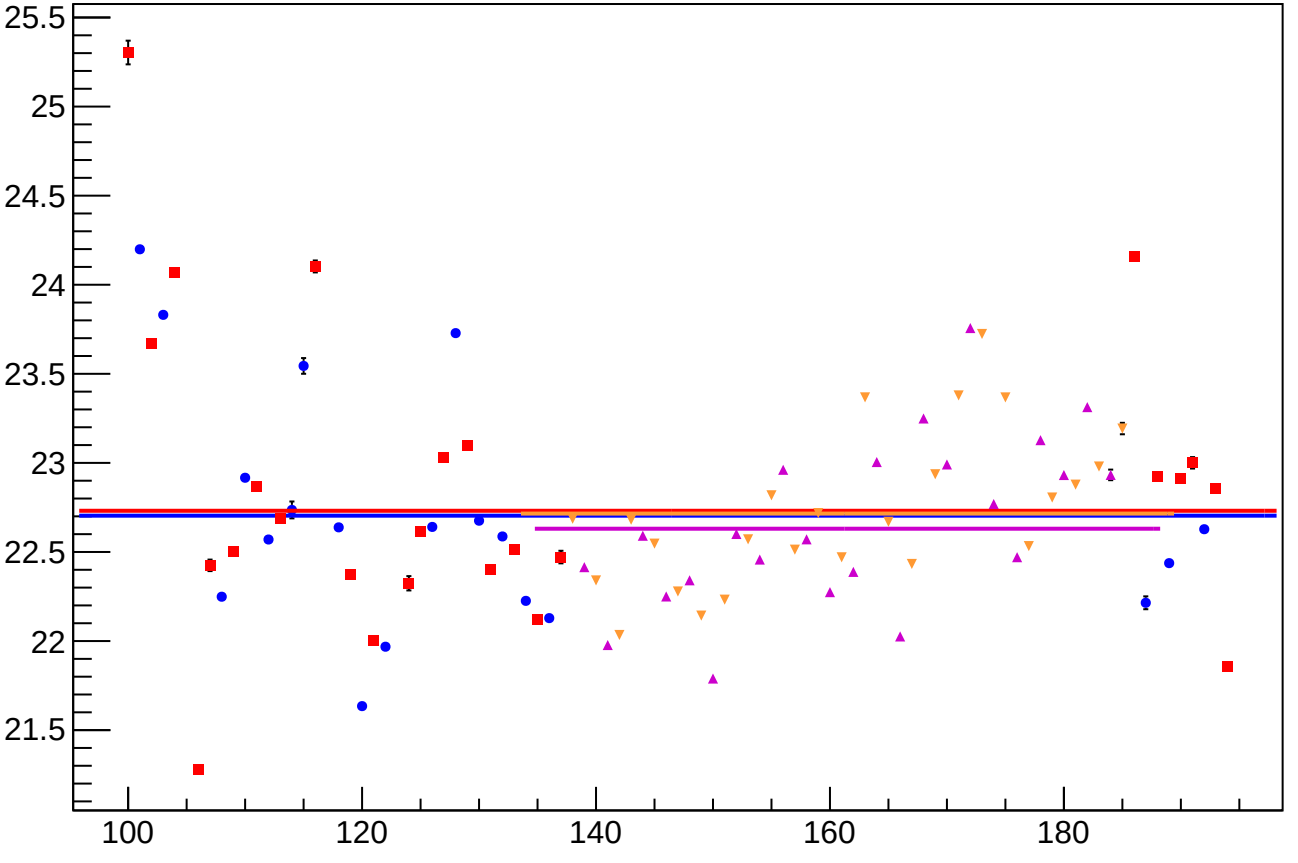
Right: 2.798+/-5.069 χ^2/NDF: 47.6/43

In: 1.440+/-4.340 χ^2/NDF:43.0/41

Out: 9.840+/-4.113 χ^2/NDF:63.7/49

All: 5.865+/-2.985 χ^2/NDF: 108.6/91

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.704+/-0.005 χ^2/NDF: 15030.3/18

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

Right Out: 22.731+/-0.005 χ^2/NDF: 20626.1/24

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

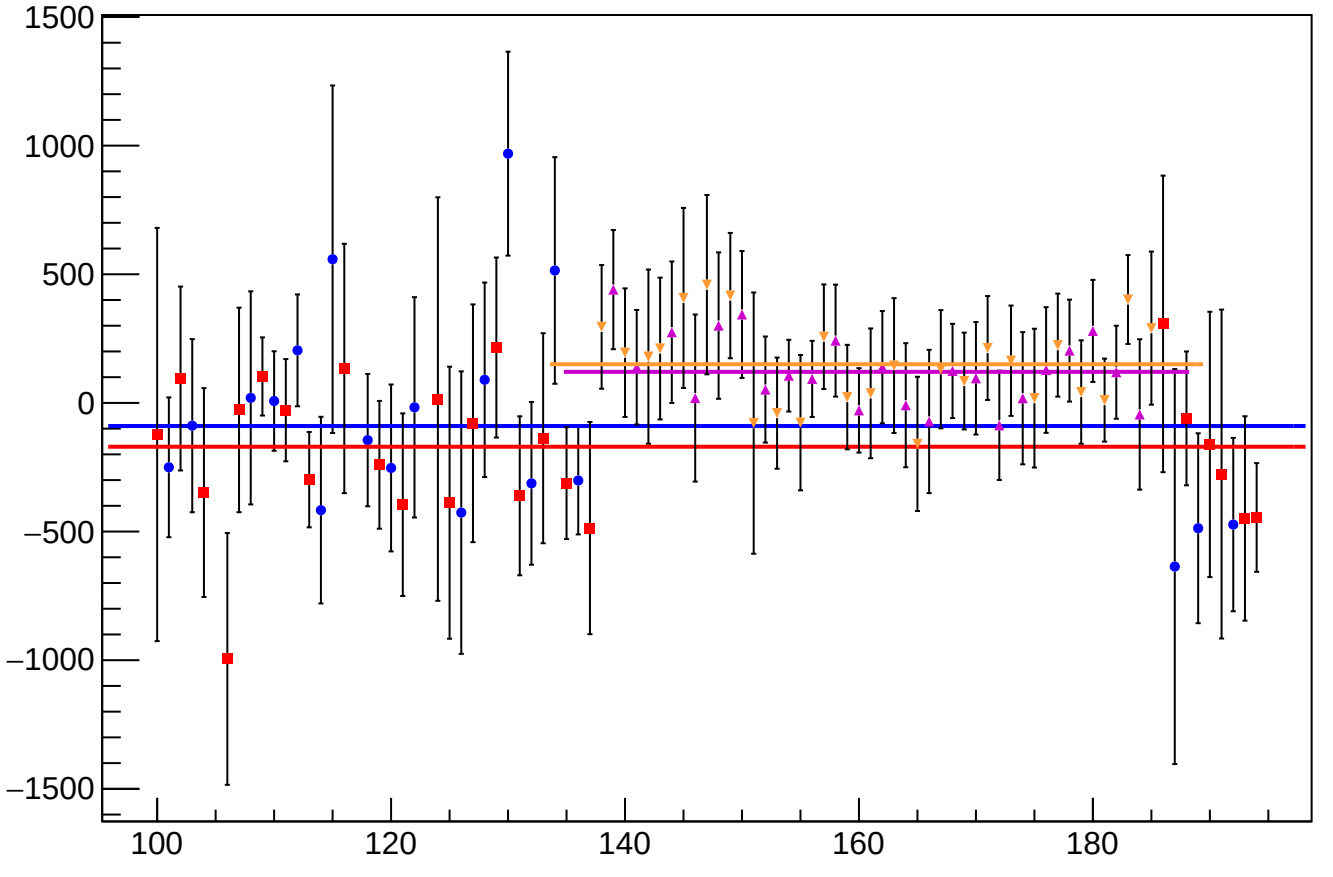
Right: 22.719+/-0.004 χ^2/NDF: 35671.0/43

In: 22.654+/-0.003 χ^2/NDF:30547.0/41

Out: 22.721+/-0.003 χ^2/NDF:32814.4/49

All: 22.690+/-0.002 χ^2/NDF: 63611.1/91

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -89.848+/-72.854 χ^2/NDF: 18.7/18

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: -170.358+/-61.257 χ^2/NDF: 14.8/24

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 134.638+/-31.941 χ^2/NDF: 19.1/47

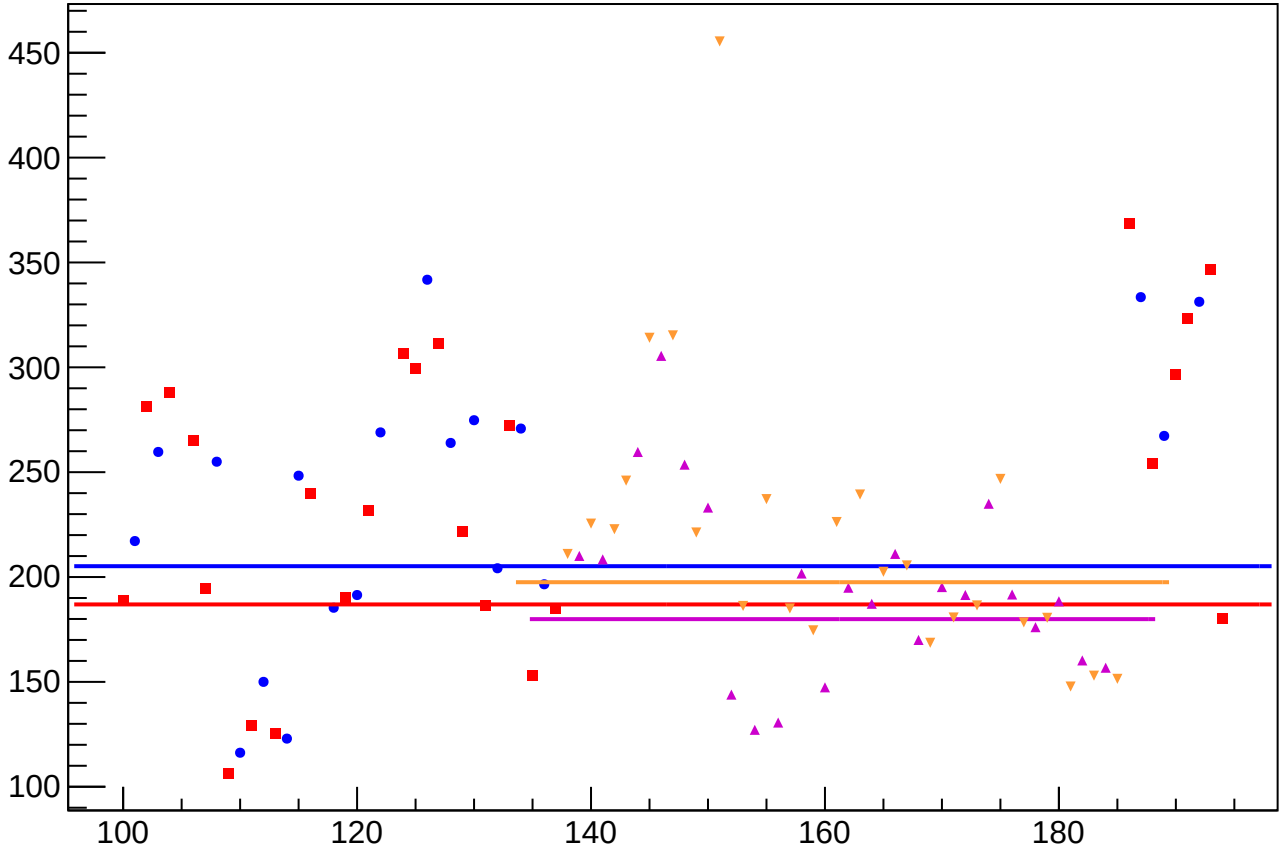
Right: -137.013+/-46.886 χ^2/NDF: 34.1/43

In: 64.621+/-37.614 χ^2/NDF:32.7/41

Out: 32.912+/-37.055 χ^2/NDF:43.1/49

All: 48.529+/-26.397 χ^2/NDF: 76.1/91

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 205.172+/-0.052 χ^2/NDF: 1482286.3/18

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

Right Out: 186.936+/-0.043 χ^2/NDF: 2602930.5/24

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

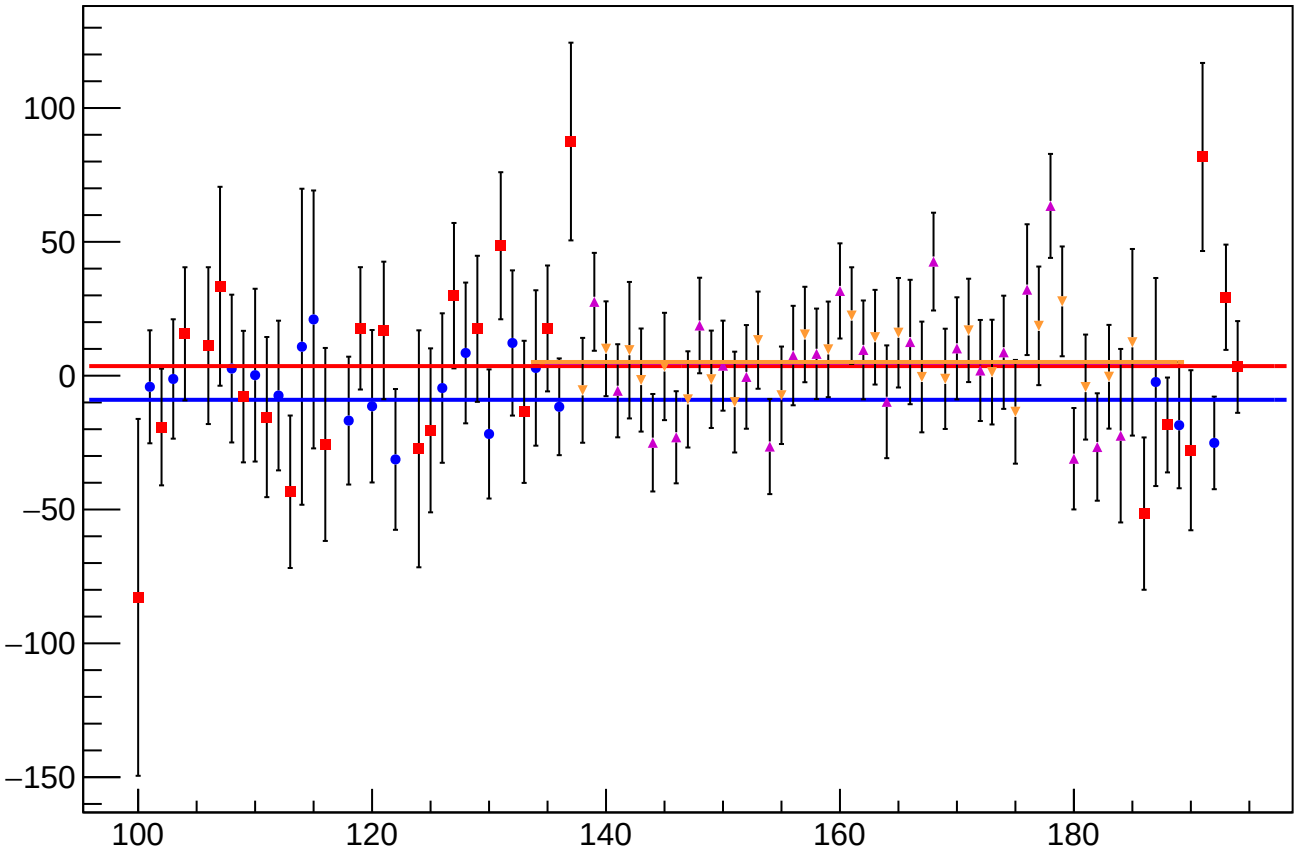
Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

Right: 194.489+/-0.033 χ^2/NDF: 4158622.7/43

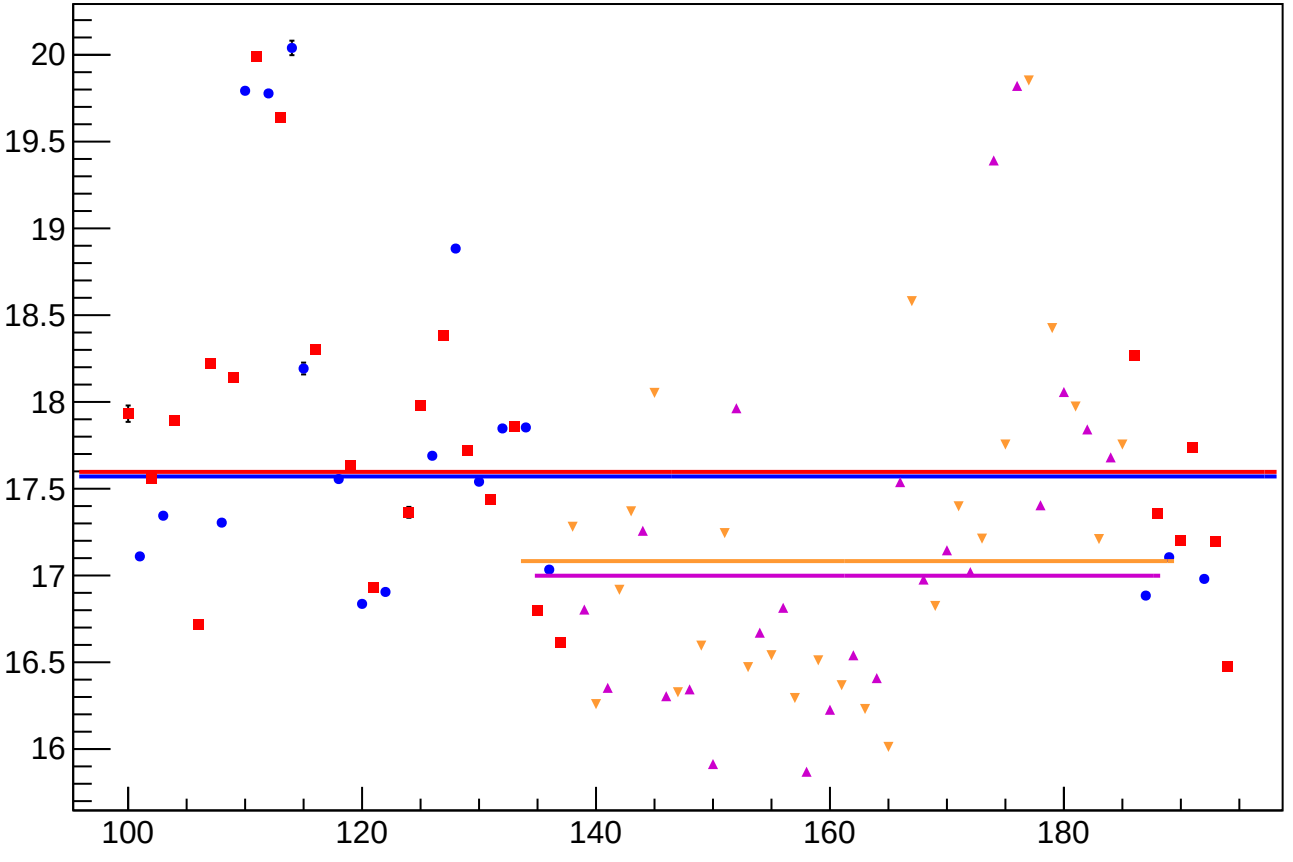
In: 186.653+/-0.027 χ^2/NDF:3282611.0/41

Out: 193.656+/-0.026 χ^2/NDF:4430778.9/49

All: 190.207+/-0.019 χ^2/NDF: 7748568.5/91


asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
−150
100
120
140
160
180
Right In: -9.013+/-5.891 χ²/NDF: 4.4/18
Left Out: 5.119+/-3.890 χ²/NDF:7.9/24
Right Out: 3.581+/-5.275 χ²/NDF: 32.3/24
Left In: 4.858+/-3.980 χ²/NDF:35.5/22
Left: 4.992+/-2.782 χ²/NDF: 43.4/47
Right: -2.023+/-3.930 χ²/NDF: 39.2/43
In: 0.510+/-3.298 χ²/NDF:43.7/41
Out: 4.577+/-3.131 χ²/NDF:40.3/49
All: 2.649+/-2.271 χ²/NDF: 84.8/91

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.571+/-0.004 χ^2/NDF: 40646.7/18

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

Right Out: 17.597+/-0.004 χ^2/NDF: 46159.7/24

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

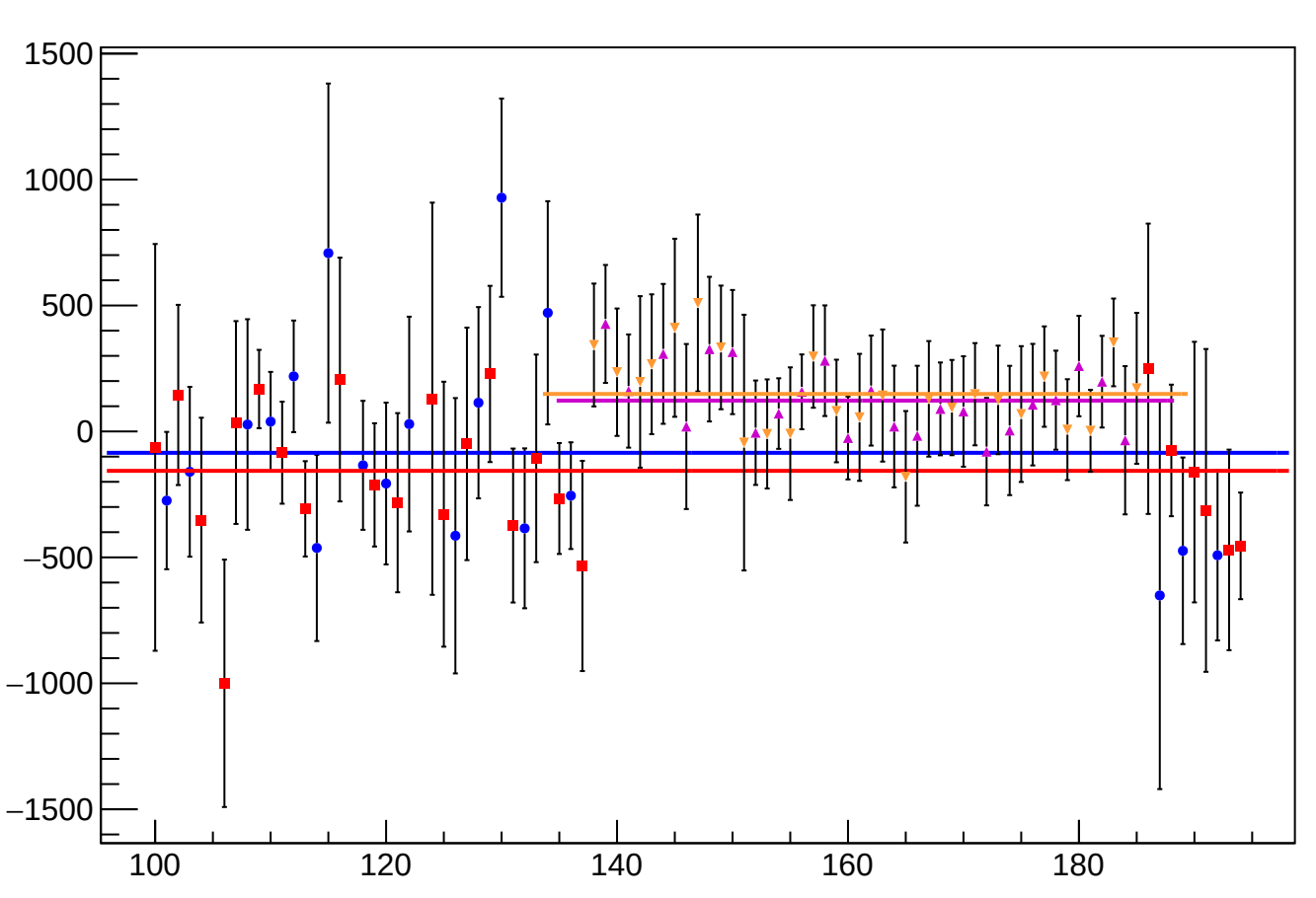
Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

Right: 17.585+/-0.003 χ^2/NDF: 86828.6/43

In: 17.178+/-0.002 χ^2/NDF:157611.6/41

Out: 17.264+/-0.002 χ^2/NDF:155240.7/49

All: 17.223+/-0.002 χ^2/NDF: 313568.0/91



Right In: -84.894+/-73.364 χ^2/NDF: 19.0/18

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: -156.483+/-61.798 χ^2/NDF: 16.3/24

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

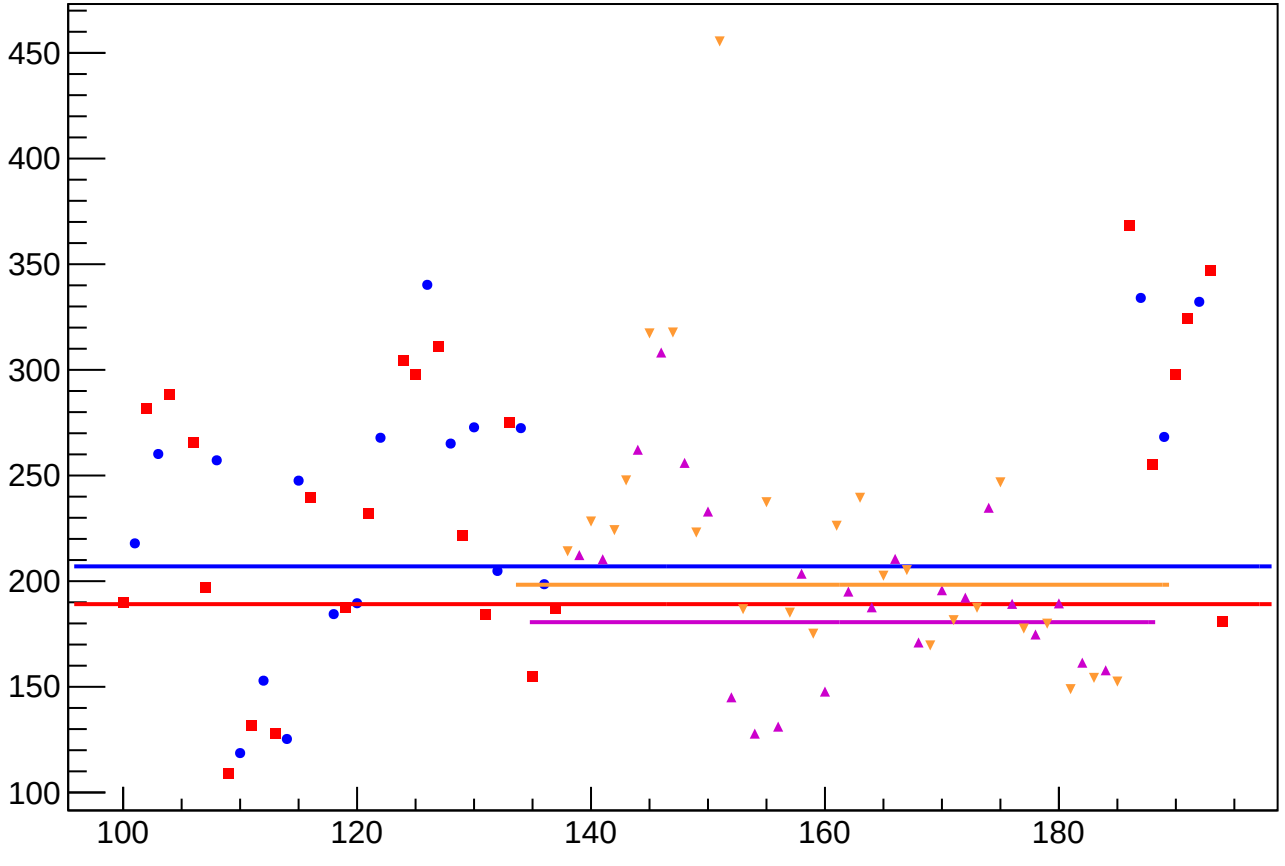
Right: -126.769+/-47.264 χ^2/NDF: 35.9/43

In: 67.395+/-37.785 χ^2/NDF:32.8/41

Out: 37.764+/-37.265 χ^2/NDF:41.4/49

All: 52.374+/-26.532 χ^2/NDF: 74.5/91

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 207.004+/-0.052 χ^2/NDF: 1421493.5/18

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

Right Out: 189.130+/-0.044 χ^2/NDF: 2495114.3/24

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

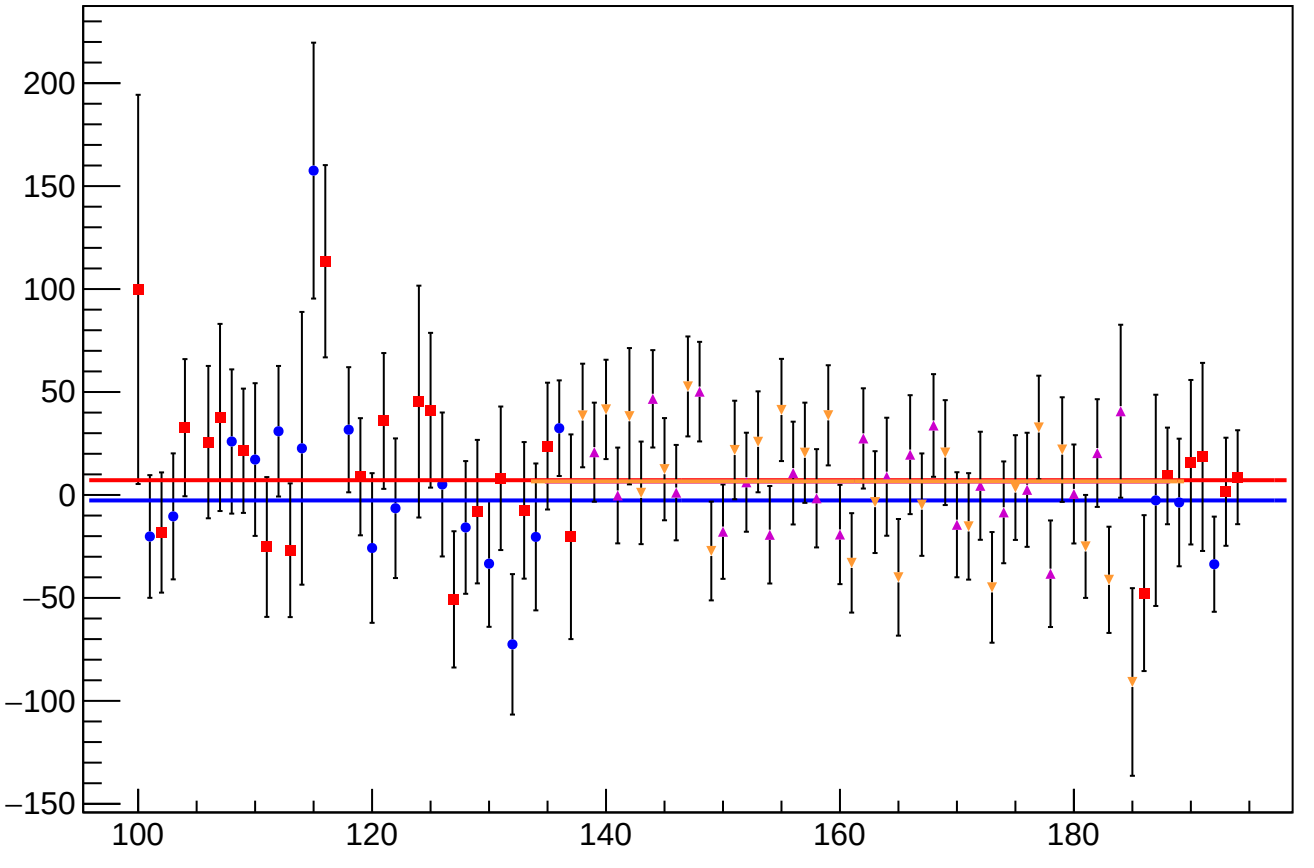
Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

Right: 196.549+/-0.033 χ^2/NDF: 3986054.4/43

In: 187.605+/-0.027 χ^2/NDF:3239894.5/41

Out: 194.974+/-0.026 χ^2/NDF:4313499.9/49

All: 191.341+/-0.019 χ^2/NDF: 7591954.1/91



Right In: -2.658+/-7.545 χ^2/NDF: 20.7/18

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: 7.169+/-6.761 χ^2/NDF: 18.8/24

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

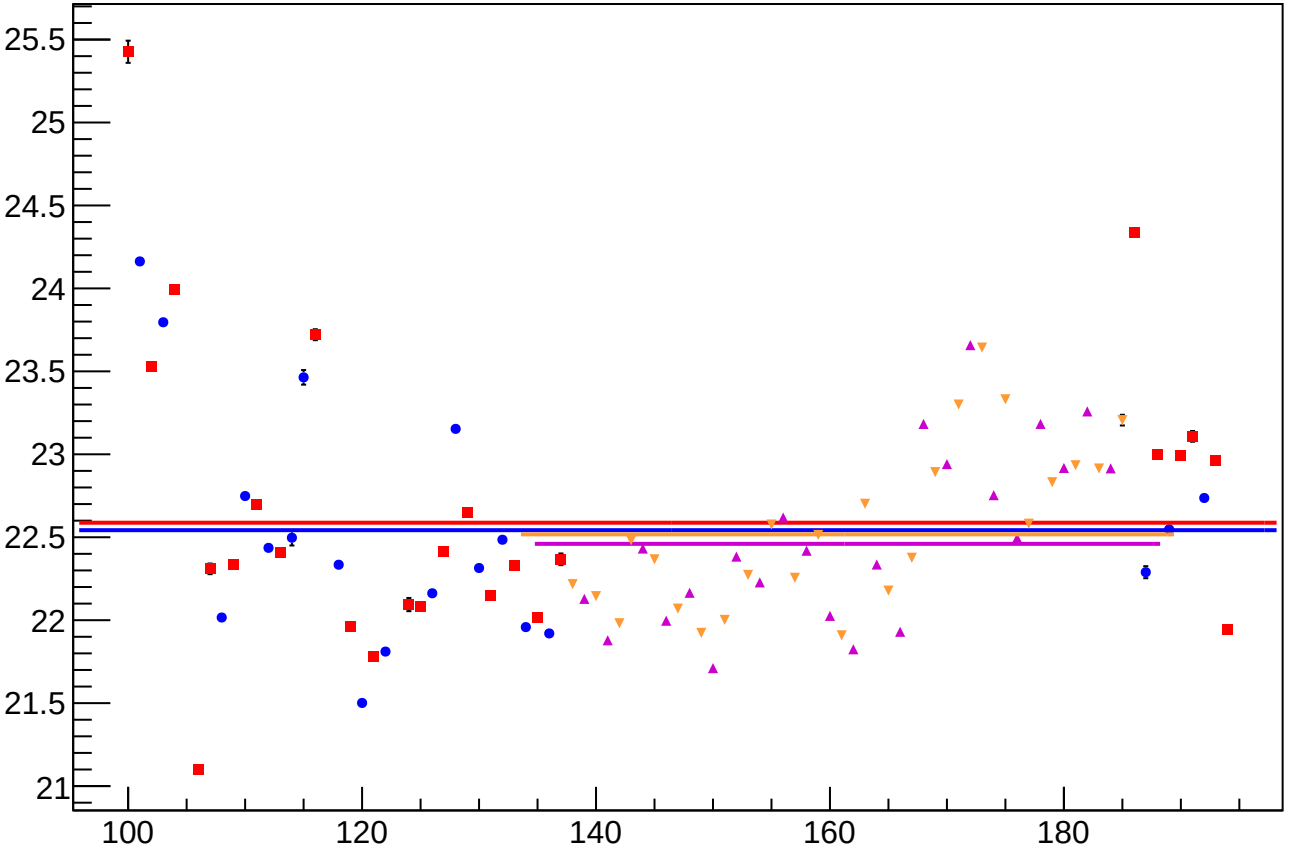
Right: 2.792+/-5.035 χ^2/NDF: 40.4/43

In: 3.503+/-4.307 χ^2/NDF:39.1/41

Out: 6.814+/-4.080 χ^2/NDF:55.7/49

All: 5.248+/-2.962 χ^2/NDF: 95.1/91

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.543+/-0.005 χ^2/NDF: 16147.9/18

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

Right Out: 22.588+/-0.005 χ^2/NDF: 23410.4/24

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

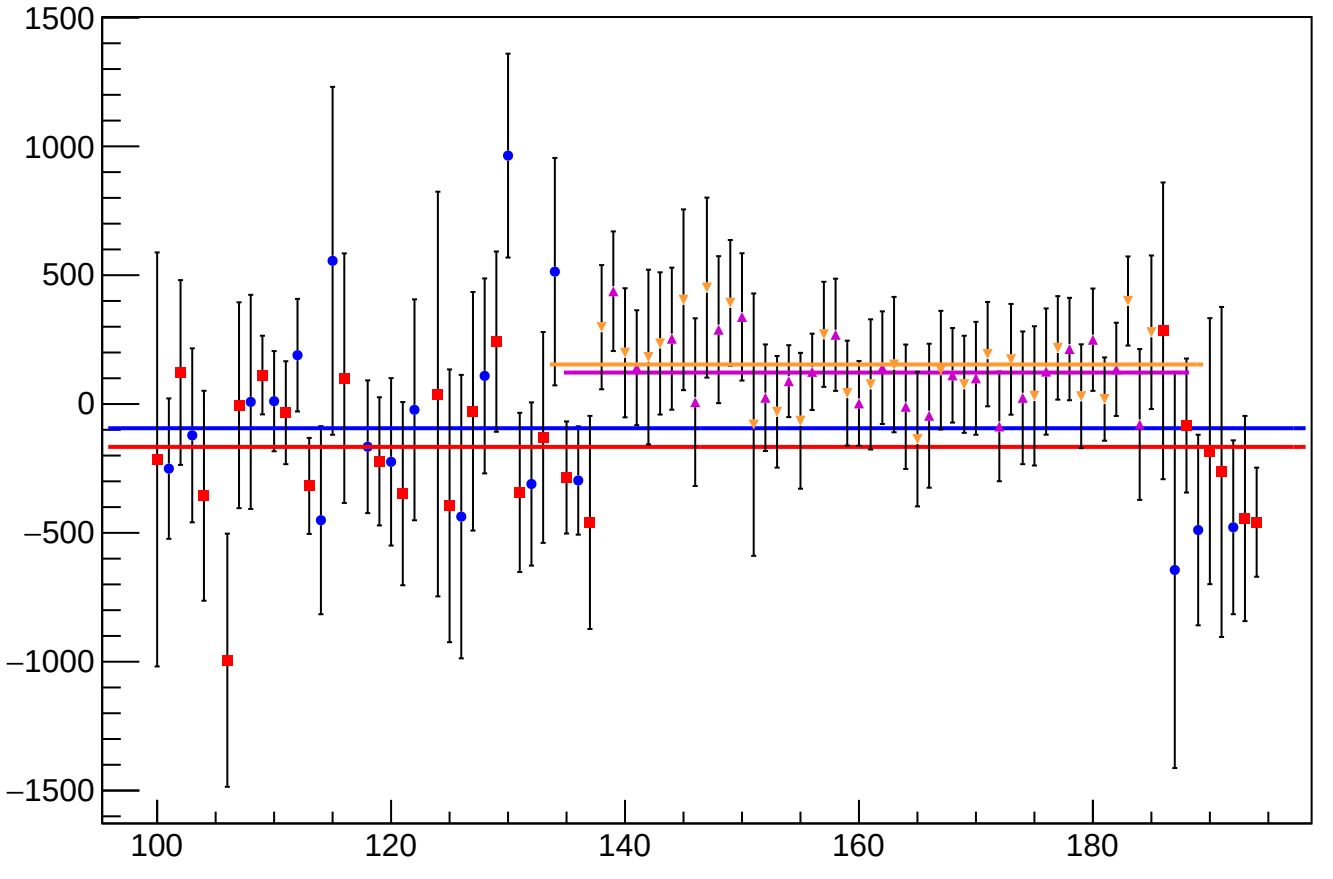
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

Right: 22.568+/-0.004 χ^2/NDF: 39597.6/43

In: 22.487+/-0.003 χ^2/NDF:35425.8/41

Out: 22.543+/-0.003 χ^2/NDF:39549.7/49

All: 22.517+/-0.002 χ^2/NDF: 75152.8/91



Right In: -93.926+/-73.061 χ^2/NDF: 18.6/18

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: -166.371+/-61.435 χ^2/NDF: 14.9/24

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

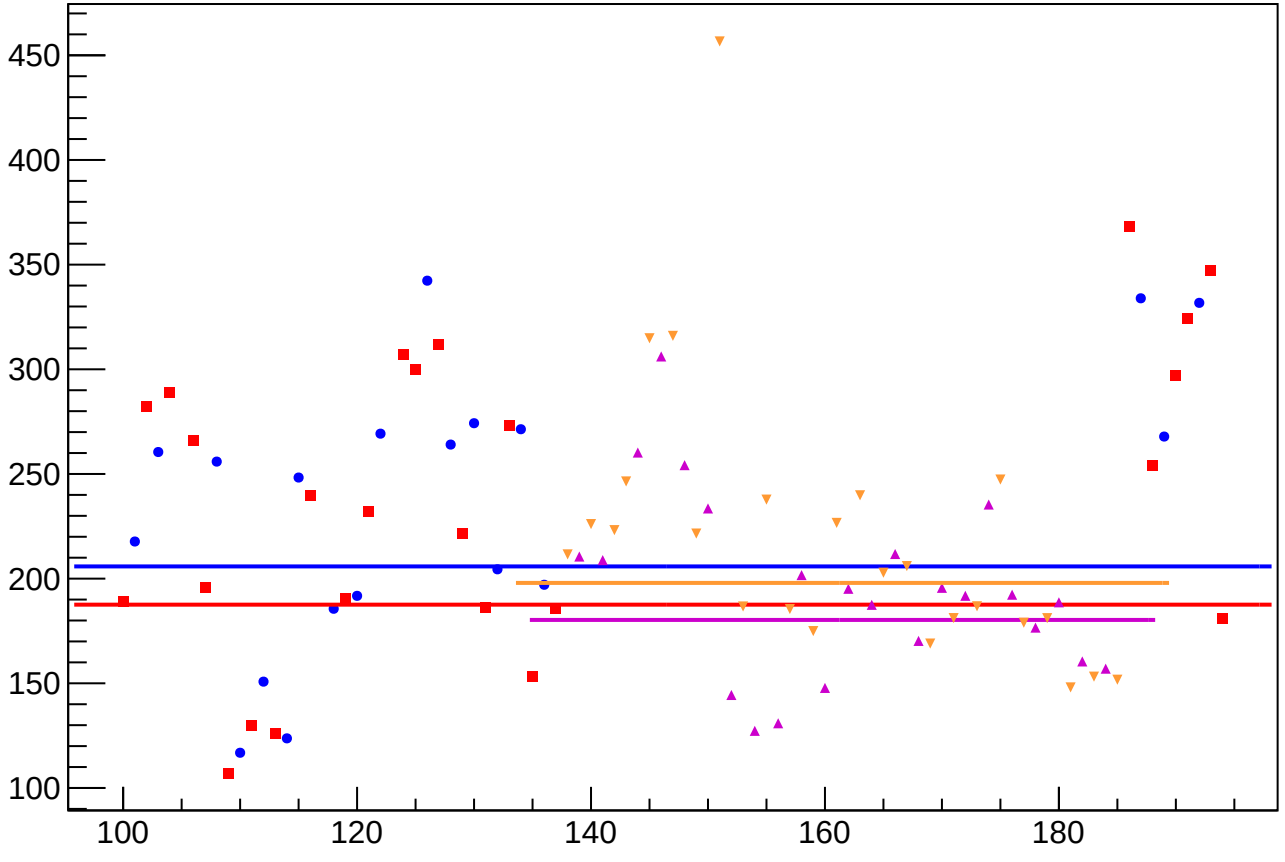
Right: -136.365+/-47.021 χ^2/NDF: 34.1/43

In: 64.640+/-37.696 χ^2/NDF:32.5/41

Out: 36.565+/-37.146 χ^2/NDF:42.2/49

All: 50.396+/-26.458 χ^2/NDF: 74.9/91

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 205.837+/-0.052 χ^2/NDF: 1468979.1/18

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

Right Out: 187.567+/-0.043 χ^2/NDF: 2583944.5/24

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

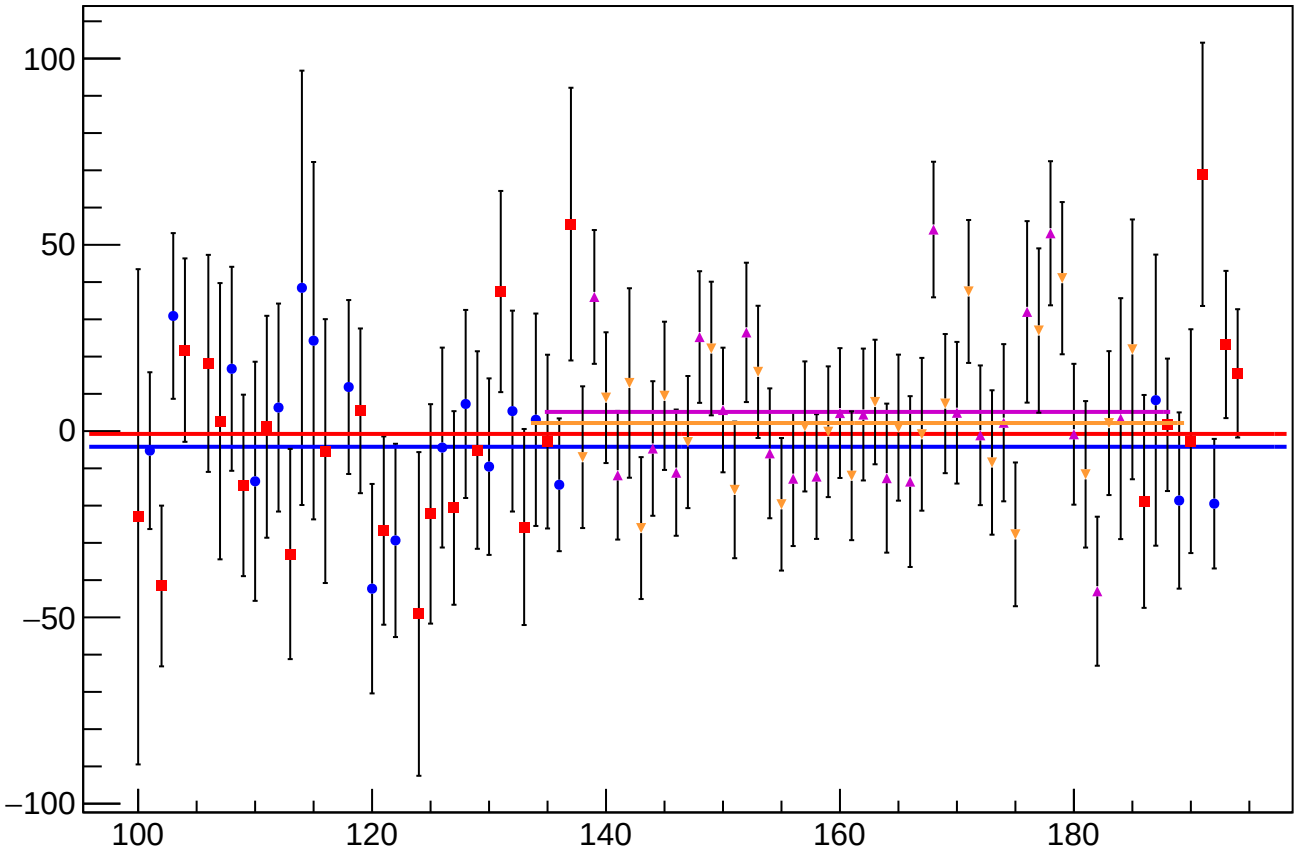
Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

Right: 195.135+/-0.033 χ^2/NDF: 4126186.1/43

In: 187.079+/-0.027 χ^2/NDF:3273322.8/41

Out: 194.159+/-0.026 χ^2/NDF:4411588.9/49

All: 190.671+/-0.019 χ^2/NDF: 7720700.1/91



Right In: -4.207+/-5.829 χ^2/NDF: 9.5/18

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: -0.755+/-5.225 χ^2/NDF: 22.1/24

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

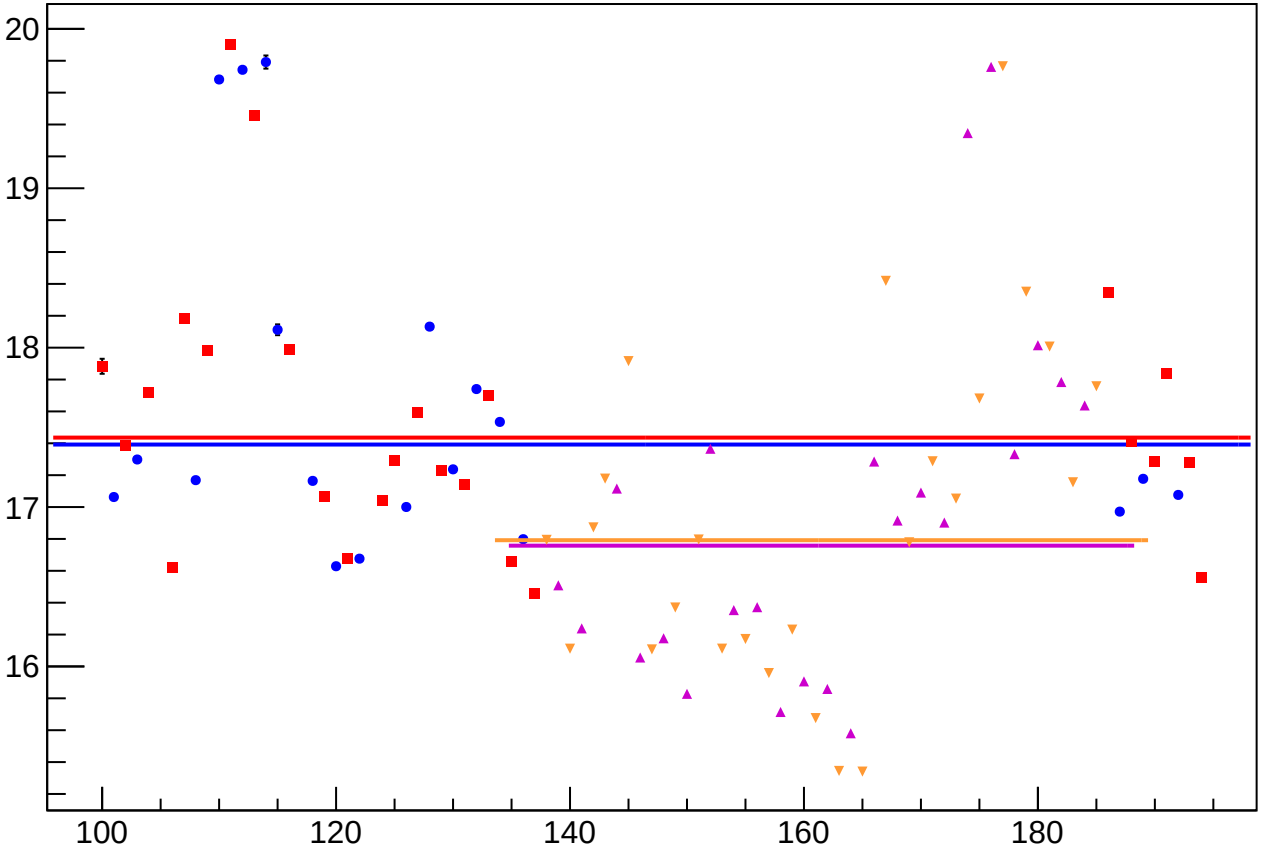
Right: -2.293+/-3.891 χ^2/NDF: 31.7/43

In: 2.232+/-3.255 χ^2/NDF:43.5/41

Out: 1.152+/-3.086 χ^2/NDF:42.3/49

All: 1.663+/-2.240 χ^2/NDF: 85.8/91

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.392+/-0.004 χ^2/NDF: 37953.1/18

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

Right Out: 17.436+/-0.004 χ^2/NDF: 42775.7/24

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

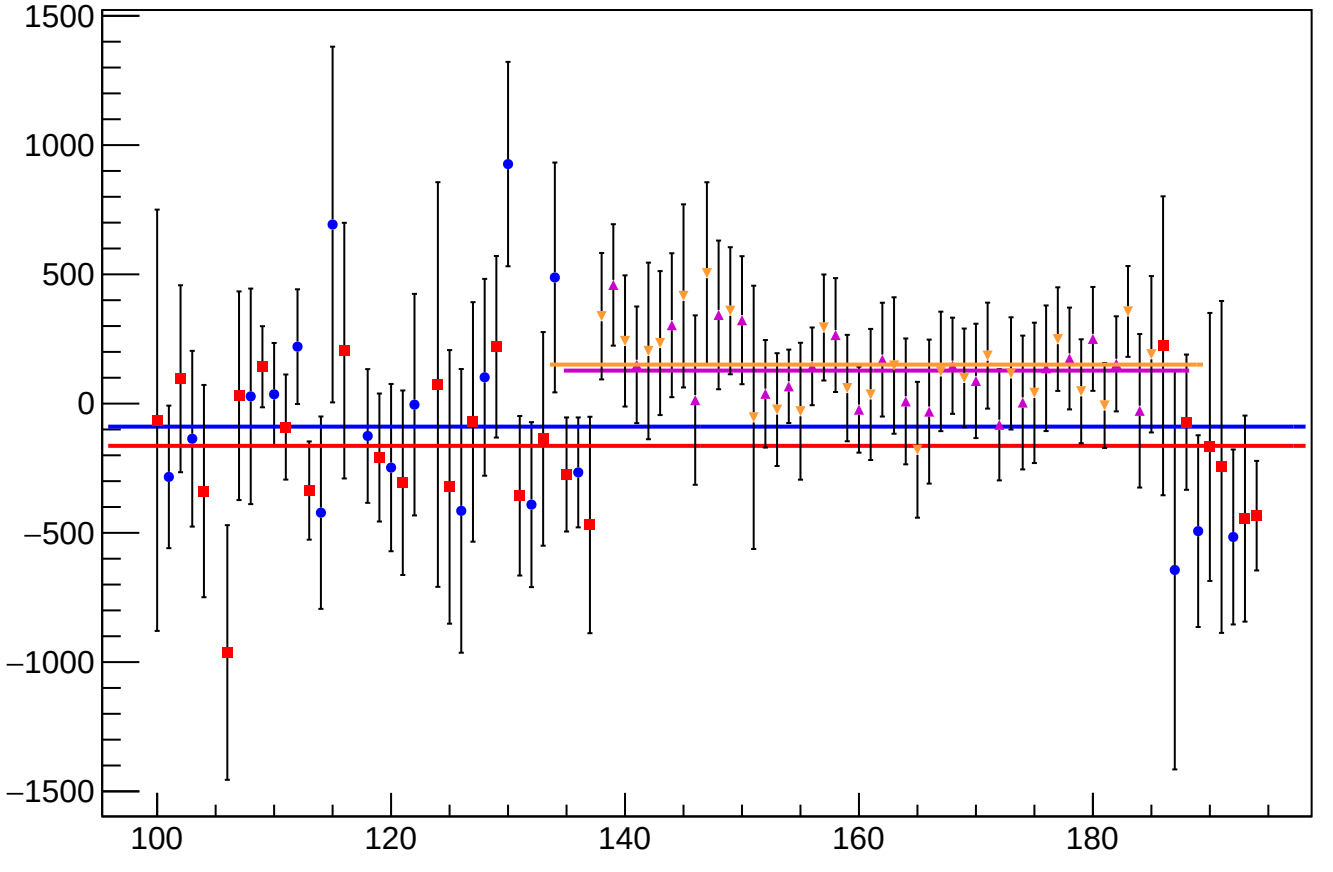
Right: 17.416+/-0.003 χ^2/NDF: 80790.8/43

In: 16.956+/-0.002 χ^2/NDF:177559.7/41

Out: 17.017+/-0.002 χ^2/NDF:199543.6/49

All: 16.988+/-0.002 χ^2/NDF: 377473.0/91

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -89.107+/-73.759 χ^2/NDF: 19.1/18

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: -163.414+/-62.136 χ^2/NDF: 14.4/24

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

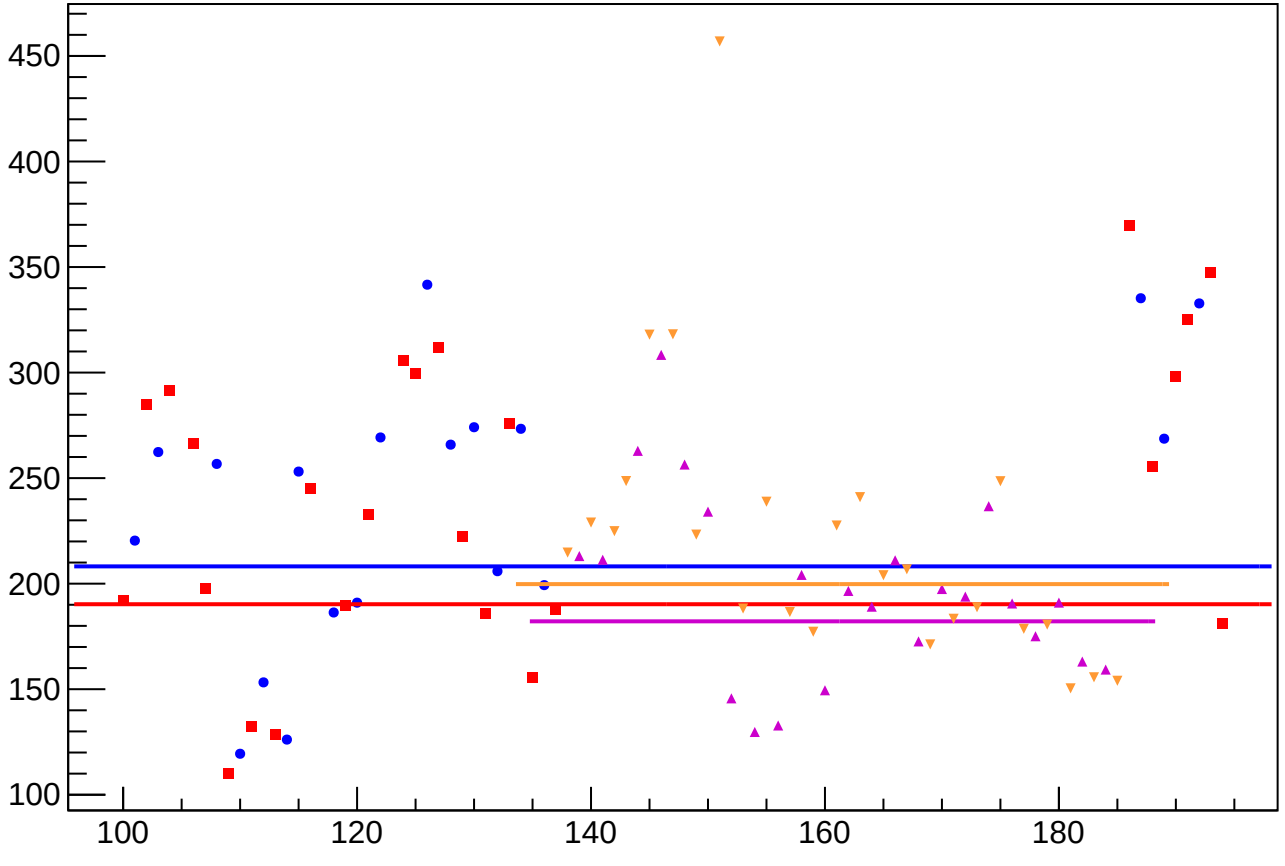
Right: -132.570+/-47.521 χ^2/NDF: 34.1/43

In: 69.991+/-38.056 χ^2/NDF:33.3/41

Out: 36.395+/-37.502 χ^2/NDF:40.6/49

All: 52.947+/-26.712 χ^2/NDF: 74.3/91

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 208.186+/-0.052 χ^2/NDF: 1415234.9/18

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

Right Out: 190.258+/-0.044 χ^2/NDF: 2486280.2/24

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

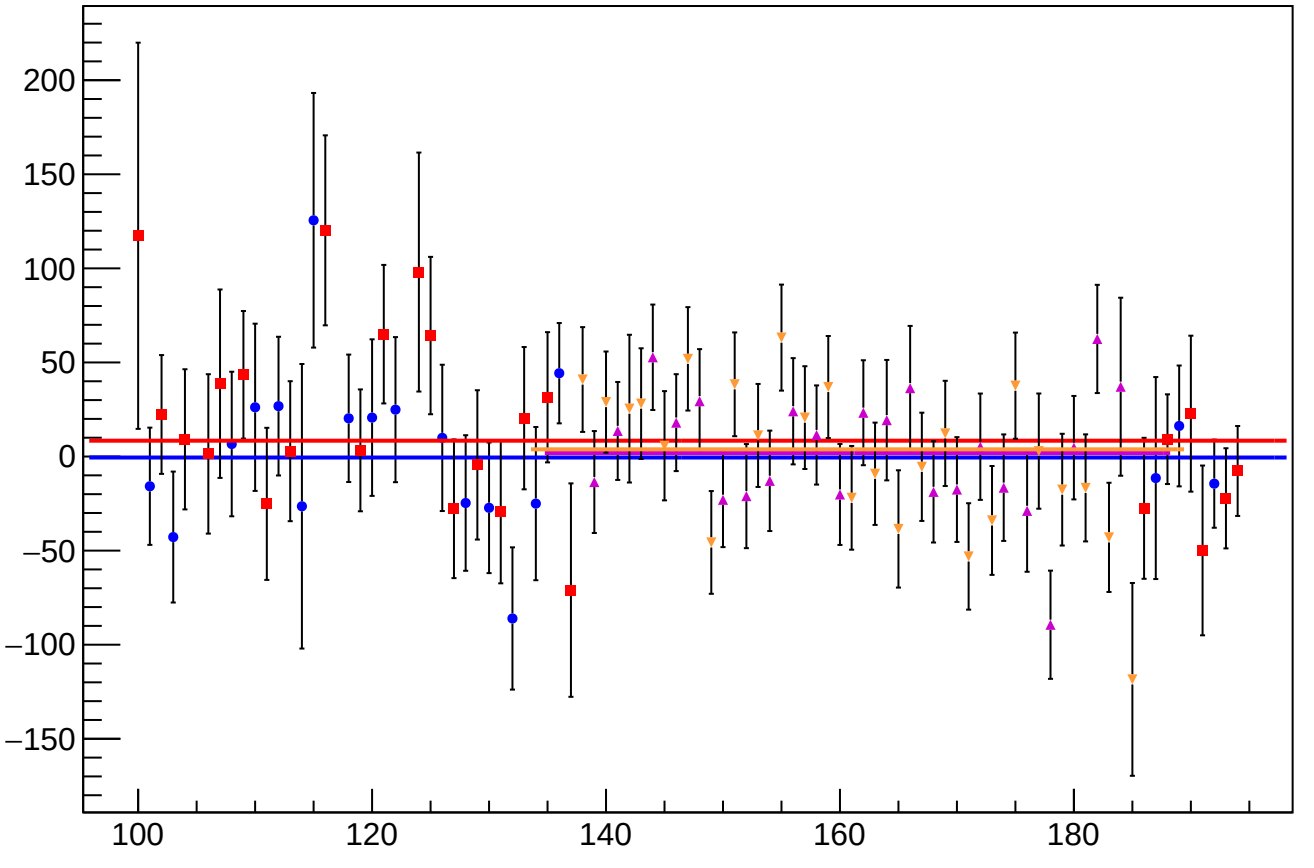
Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

Right: 197.700+/-0.034 χ^2/NDF: 3970625.3/43

In: 189.081+/-0.027 χ^2/NDF:3182447.8/41

Out: 196.314+/-0.027 χ^2/NDF:4276496.0/49

All: 192.751+/-0.019 χ^2/NDF: 7495600.1/91



Right In: -0.522+/-8.332 χ^2/NDF: 17.4/18

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: 8.419+/-7.352 χ^2/NDF: 23.6/24

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

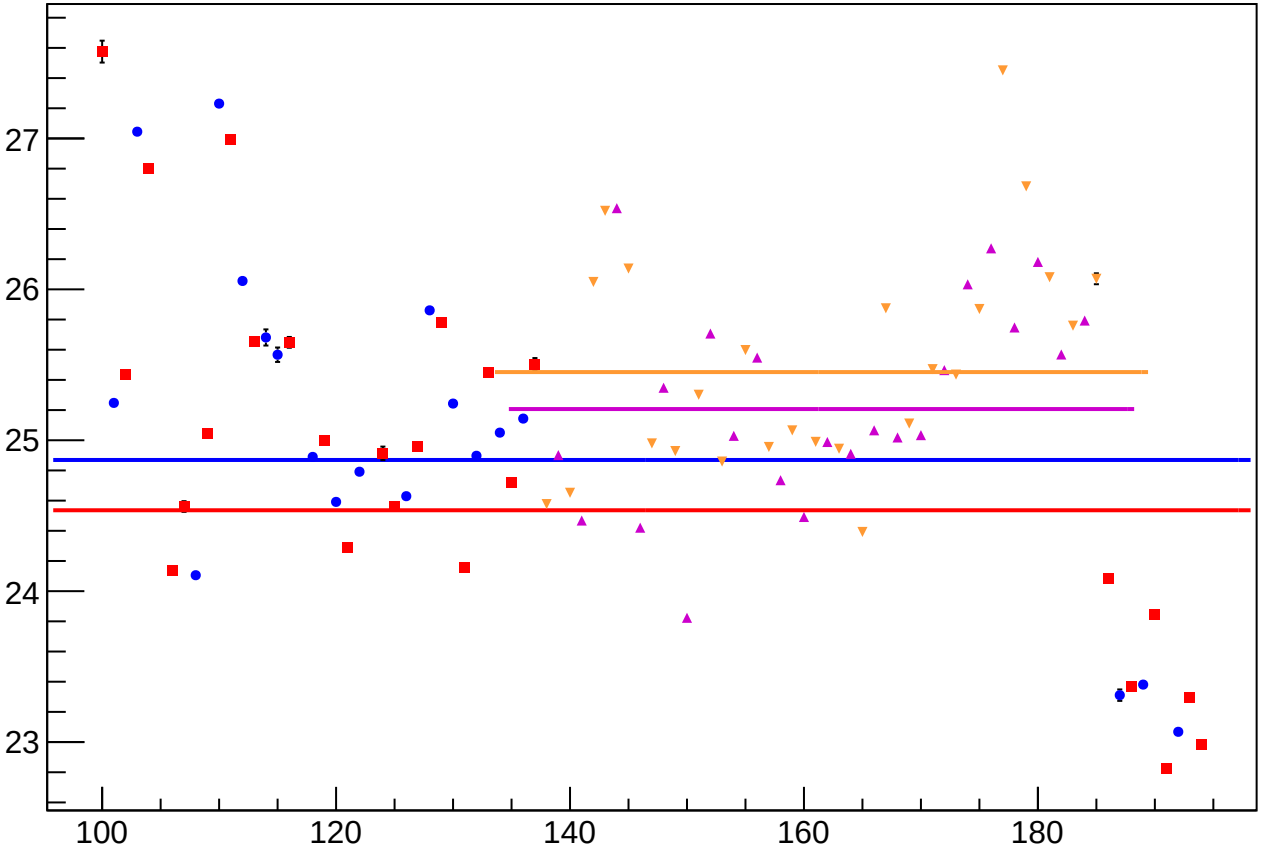
Right: 4.505+/-5.513 χ^2/NDF: 41.7/43

In: 1.059+/-4.811 χ^2/NDF:45.5/41

Out: 5.587+/-4.548 χ^2/NDF:61.5/49

All: 3.450+/-3.305 χ^2/NDF: 107.5/91

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 24.869+/-0.006 χ^2/NDF: 37055.3/18

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

Right Out: 24.536+/-0.005 χ^2/NDF: 47643.8/24

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

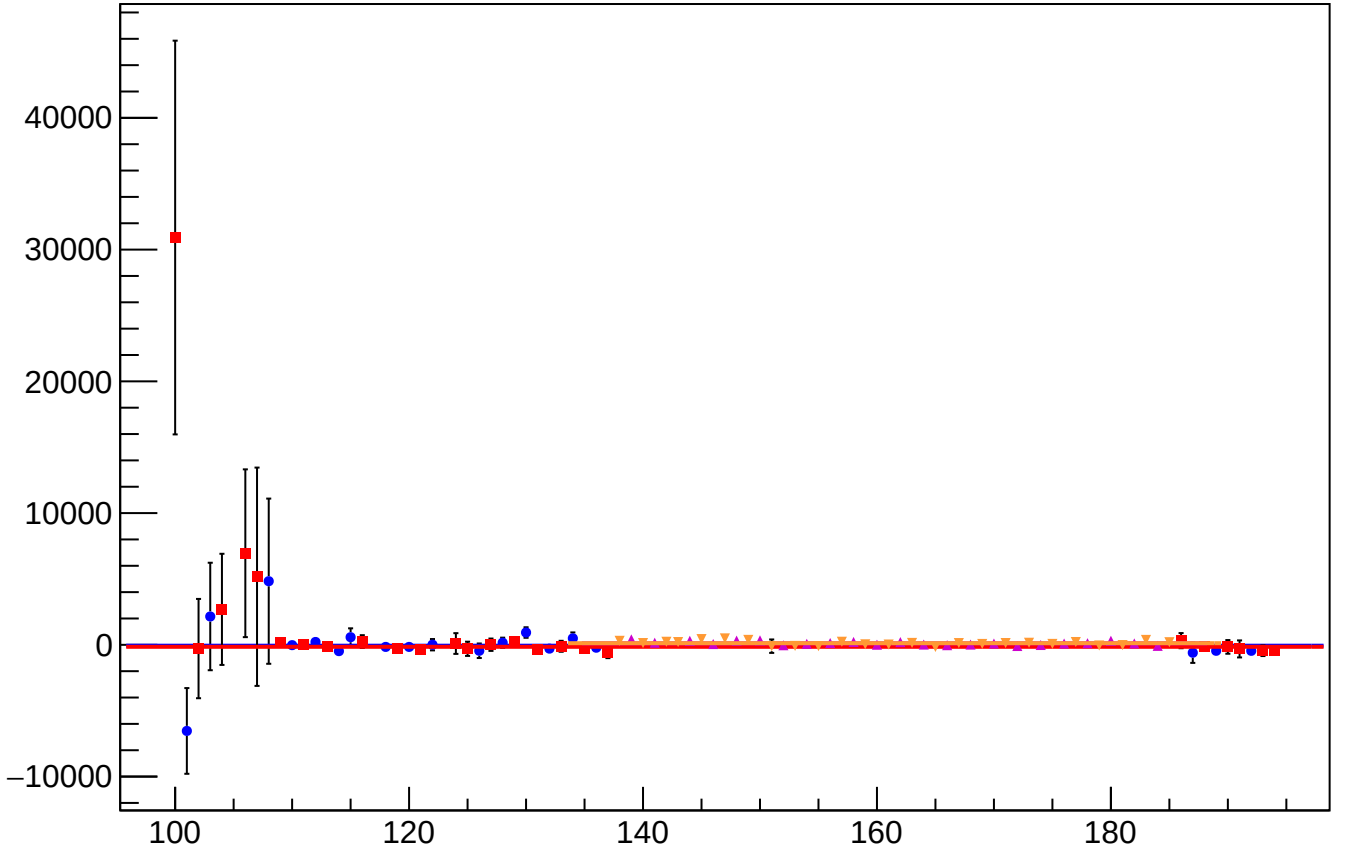
Right: 24.682+/-0.004 χ^2/NDF: 86498.2/43

In: 25.094+/-0.003 χ^2/NDF:65069.5/41

Out: 25.101+/-0.003 χ^2/NDF:96409.7/49

All: 25.098+/-0.002 χ^2/NDF: 161481.5/91

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -65.753+/-79.844 χ^2/NDF: 21.5/18

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: -148.989+/-68.247 χ^2/NDF: 17.6/24

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

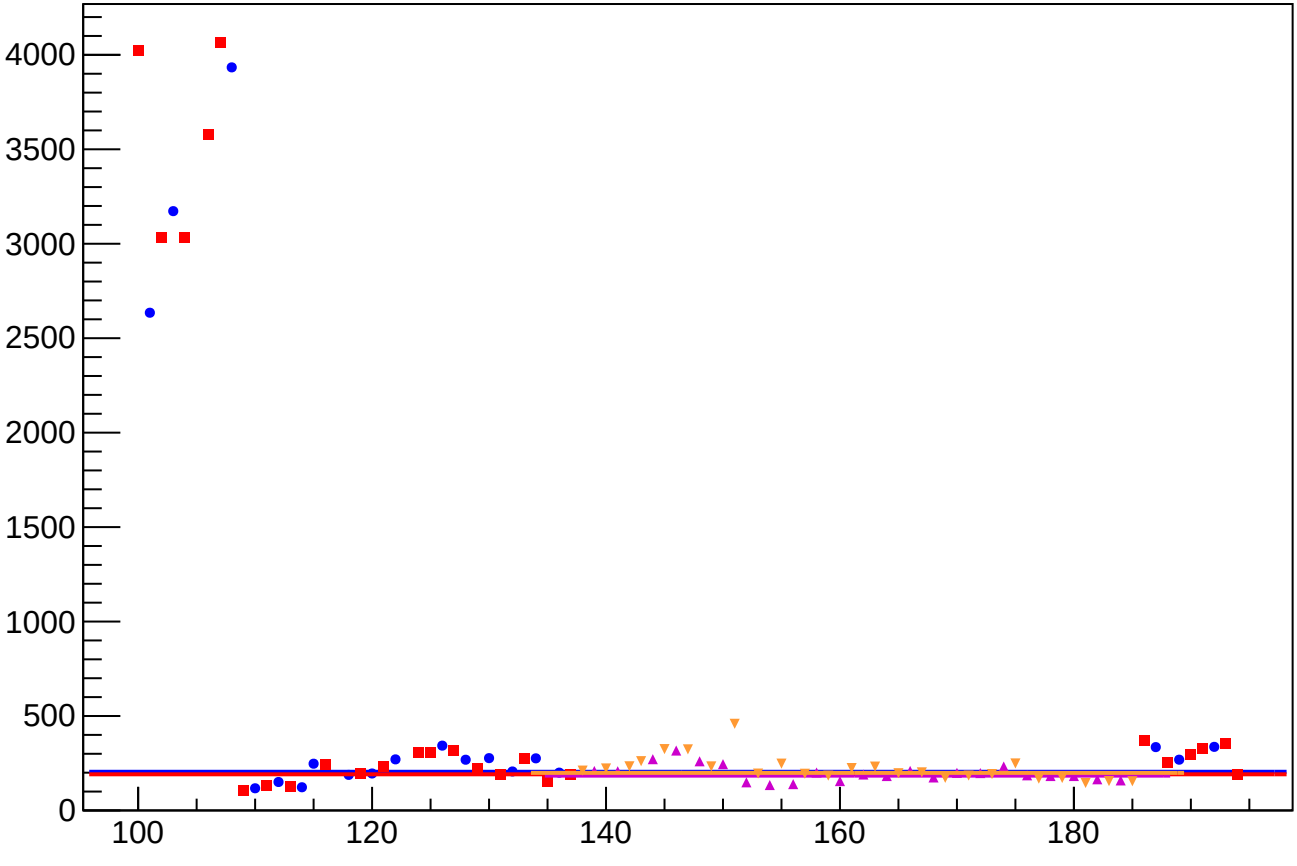
Right: -113.850+/-51.878 χ^2/NDF: 39.7/43

In: 73.357+/-39.117 χ^2/NDF:33.5/41

Out: 37.156+/-38.667 χ^2/NDF:39.6/49

All: 55.047+/-27.500 χ^2/NDF: 73.6/91

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 204.721+/-0.056 χ^2/NDF: 4282775.8/18

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

Right Out: 191.400+/-0.048 χ^2/NDF: 5221937.2/24

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

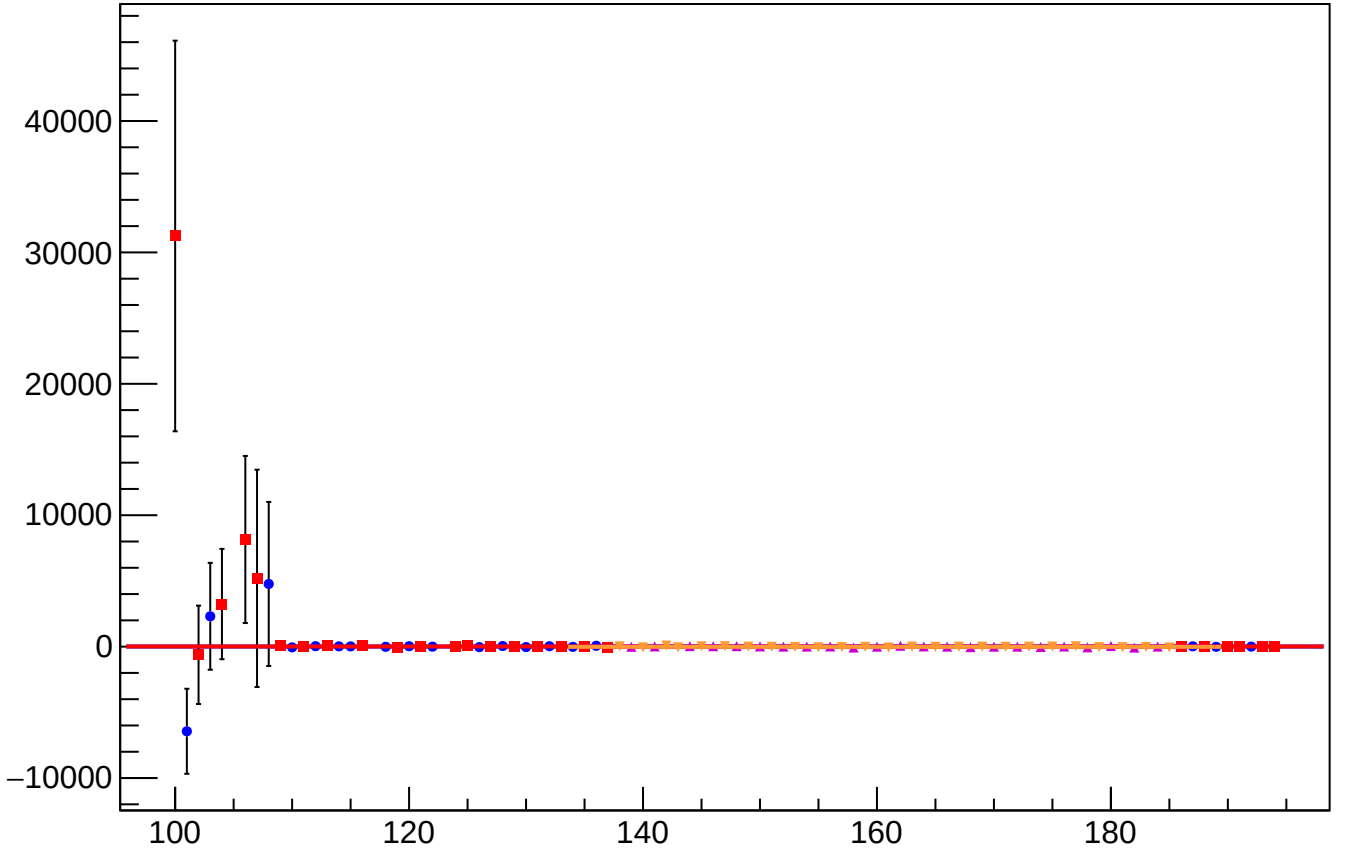
Right: 197.024+/-0.037 χ^2/NDF: 9536882.5/43

In: 189.277+/-0.028 χ^2/NDF:5827550.6/41

Out: 196.556+/-0.027 χ^2/NDF:7140906.0/49

All: 192.959+/-0.019 χ^2/NDF: 13003488.8/91

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.642+/-10.173 χ^2/NDF: 16.5/18

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: 13.719+/-9.149 χ^2/NDF: 26.8/24

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

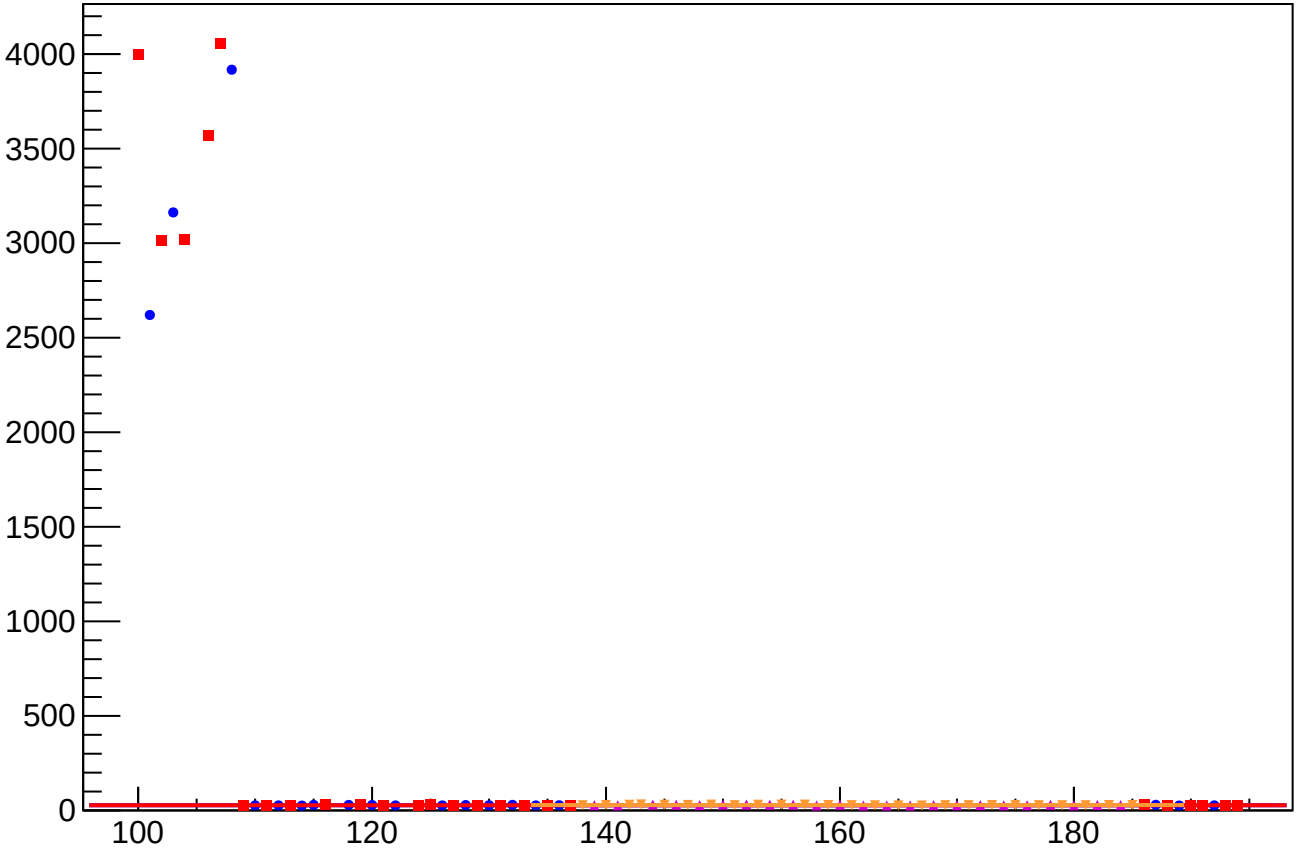
Right: 10.555+/-6.802 χ^2/NDF: 43.5/43

In: 3.525+/-5.597 χ^2/NDF:44.9/41

Out: -5.228+/-5.305 χ^2/NDF:55.5/49

All: -1.086+/-3.850 χ^2/NDF: 101.7/91

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.444+/-0.007 χ^2/NDF: 3272800.4/18

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

Right Out: 27.523+/-0.006 χ^2/NDF: 3579474.9/24

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

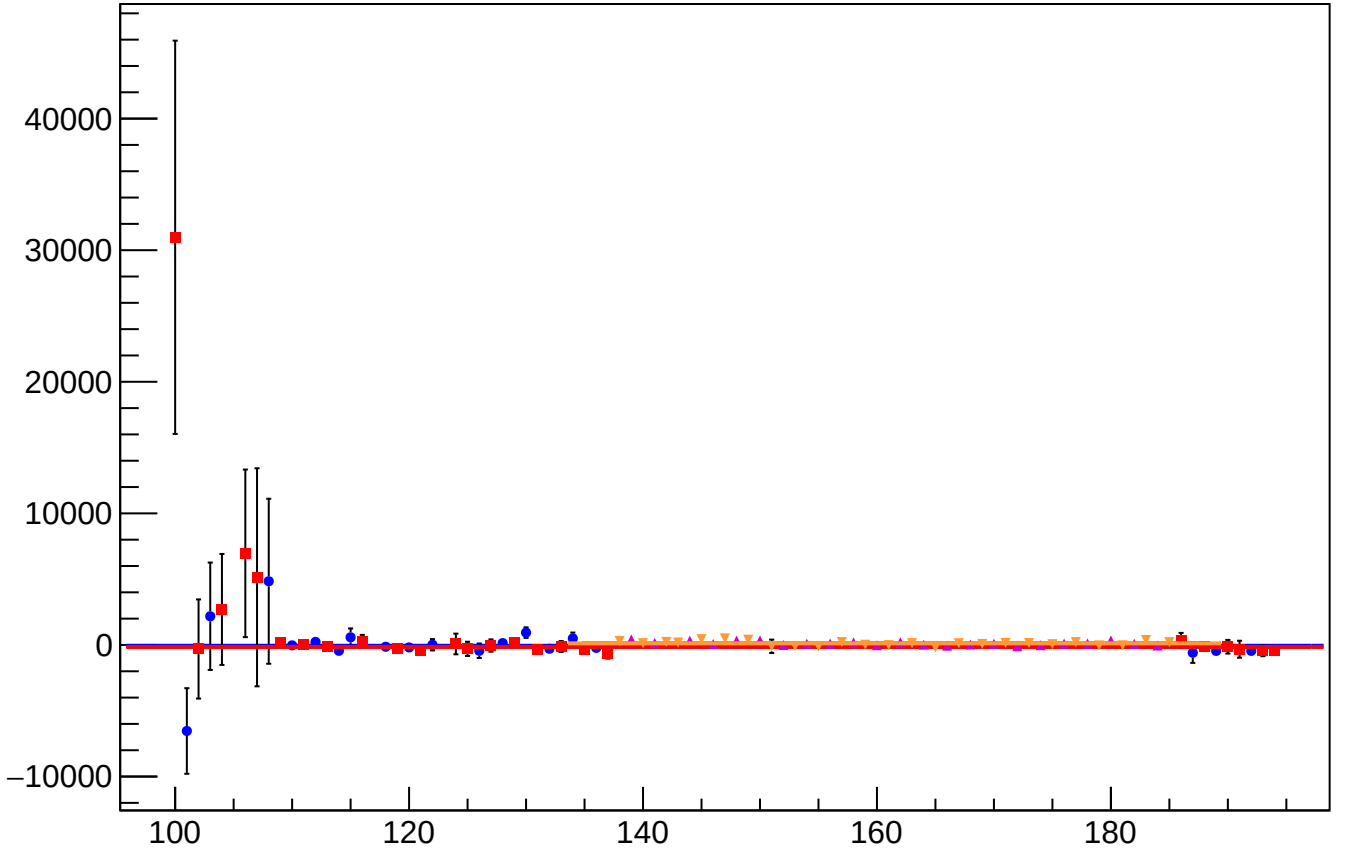
Right: 27.488+/-0.005 χ^2/NDF: 6852341.4/43

In: 28.254+/-0.004 χ^2/NDF:3413917.4/41

Out: 28.228+/-0.004 χ^2/NDF:3685529.6/49

All: 28.240+/-0.003 χ^2/NDF: 7099469.4/91

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -63.153+/-79.622 χ^2/NDF: 21.5/18

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: -152.796+/-68.071 χ^2/NDF: 17.9/24

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

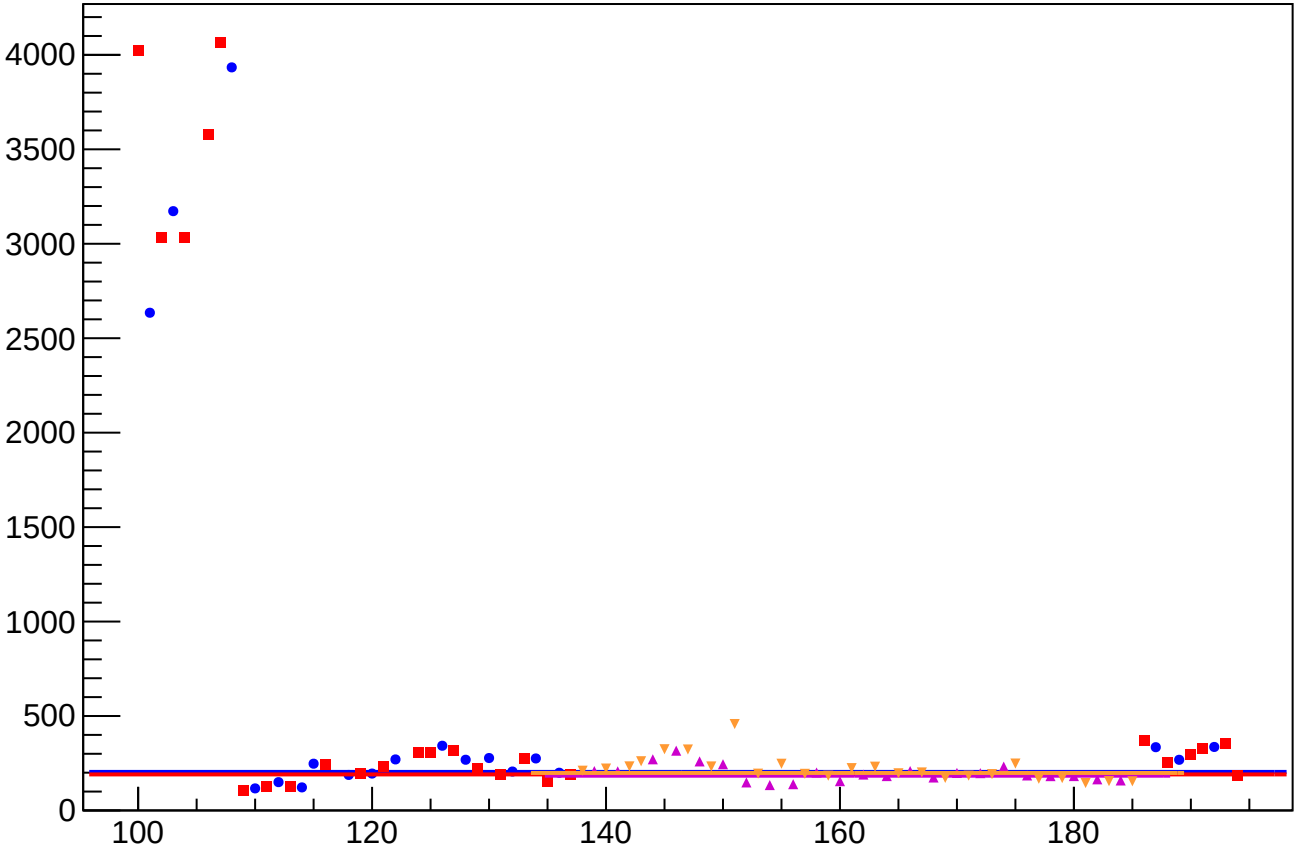
Right: -114.943+/-51.740 χ^2/NDF: 40.1/43

In: 73.127+/-39.035 χ^2/NDF:33.8/41

Out: 33.679+/-38.579 χ^2/NDF:40.9/49

All: 53.171+/-27.439 χ^2/NDF: 75.2/91

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 204.042+/-0.056 χ^2/NDF: 4297622.2/18

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

Right Out: 190.798+/-0.048 χ^2/NDF: 5240664.8/24

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

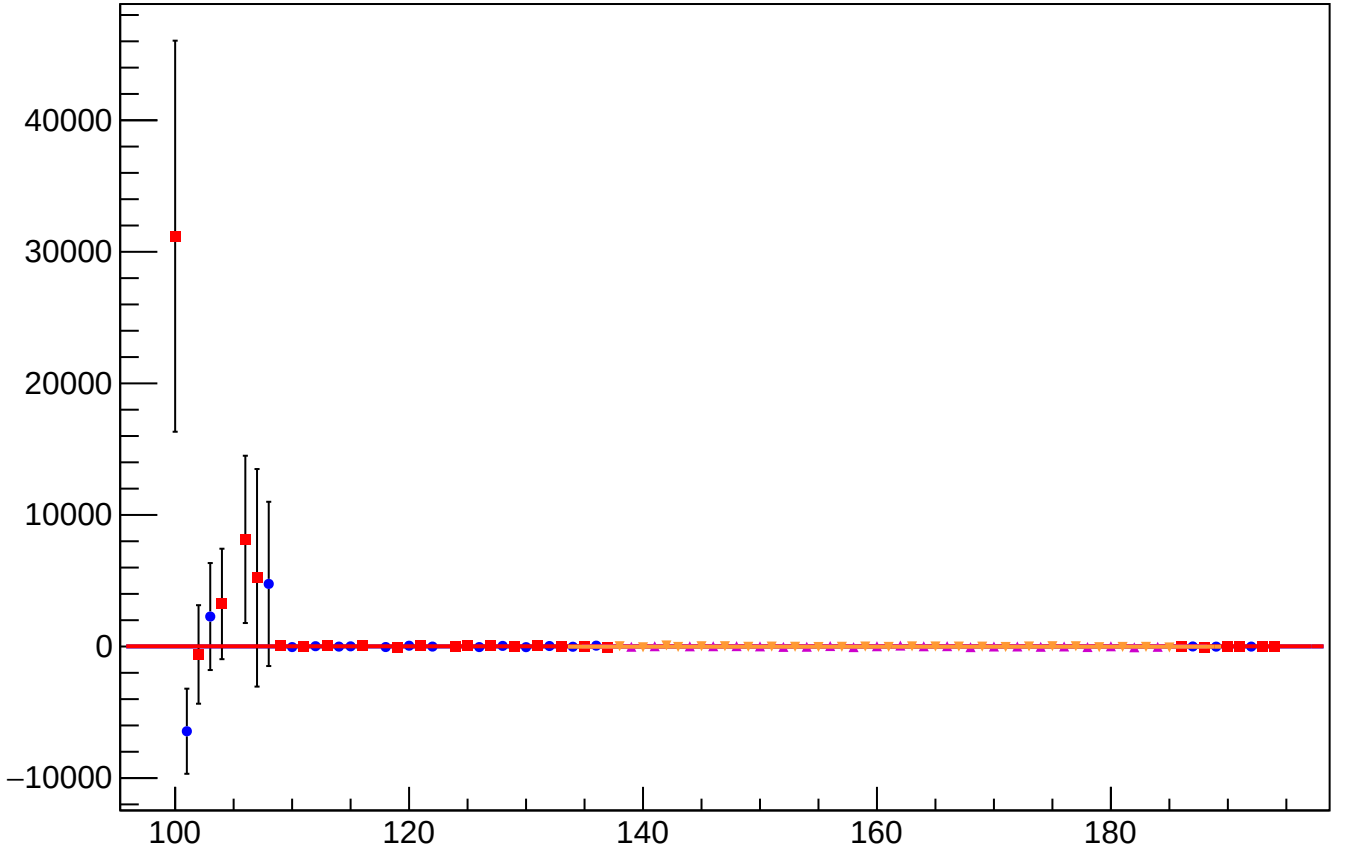
Right: 196.391+/-0.037 χ^2/NDF: 9570253.5/43

In: 188.856+/-0.028 χ^2/NDF:5838820.9/41

Out: 196.074+/-0.027 χ^2/NDF:7159867.7/49

All: 192.507+/-0.019 χ^2/NDF: 13033288.1/91

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.313+/-10.222 χ^2/NDF: 18.6/18

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: 17.452+/-9.183 χ^2/NDF: 25.9/24

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

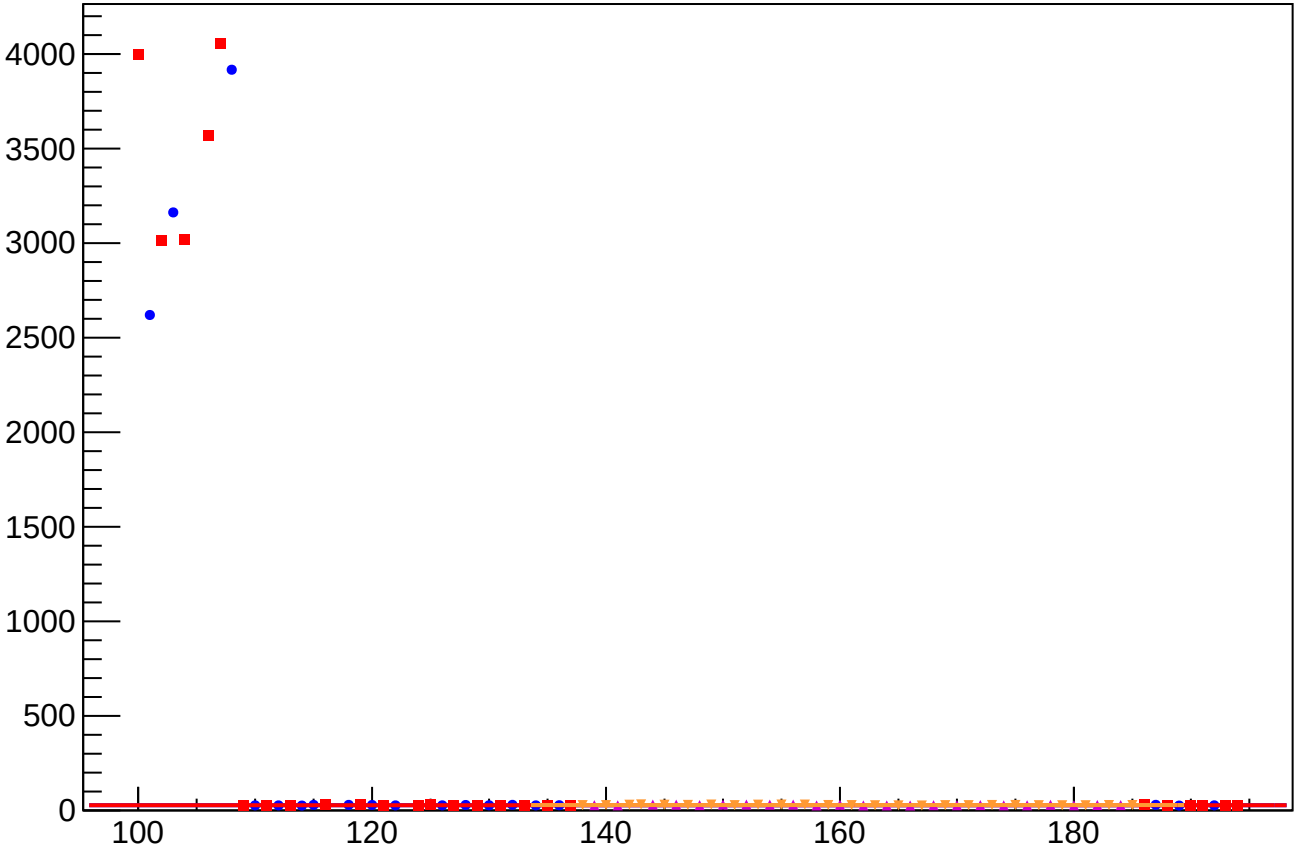
Right: 11.137+/-6.831 χ^2/NDF: 45.6/43

In: 2.799+/-5.622 χ^2/NDF:40.8/41

Out: -1.997+/-5.327 χ^2/NDF:50.5/49

All: 0.272+/-3.867 χ^2/NDF: 91.7/91

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.570+/-0.007 χ^2/NDF: 3274729.0/18

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

Right Out: 27.628+/-0.006 χ^2/NDF: 3577447.9/24

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

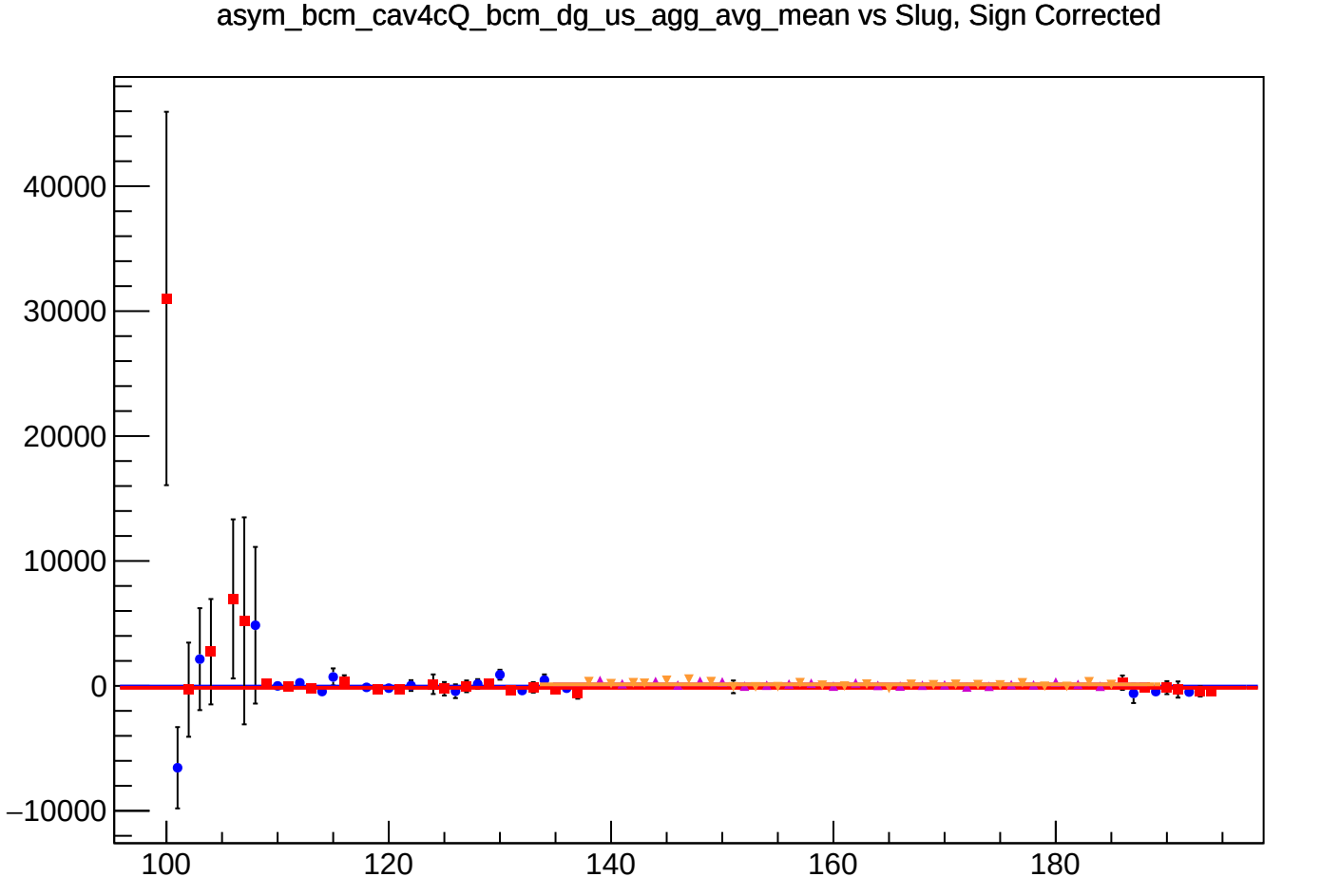
Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

Right: 27.602+/-0.005 χ^2/NDF: 6852211.6/43

In: 28.378+/-0.004 χ^2/NDF:3419989.2/41

Out: 28.344+/-0.004 χ^2/NDF:3694655.7/49

All: 28.360+/-0.003 χ^2/NDF: 7114682.4/91



Right In: -57.504+/-80.540 χ^2/NDF: 21.9/18

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: -152.409+/-68.834 χ^2/NDF: 16.8/24

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

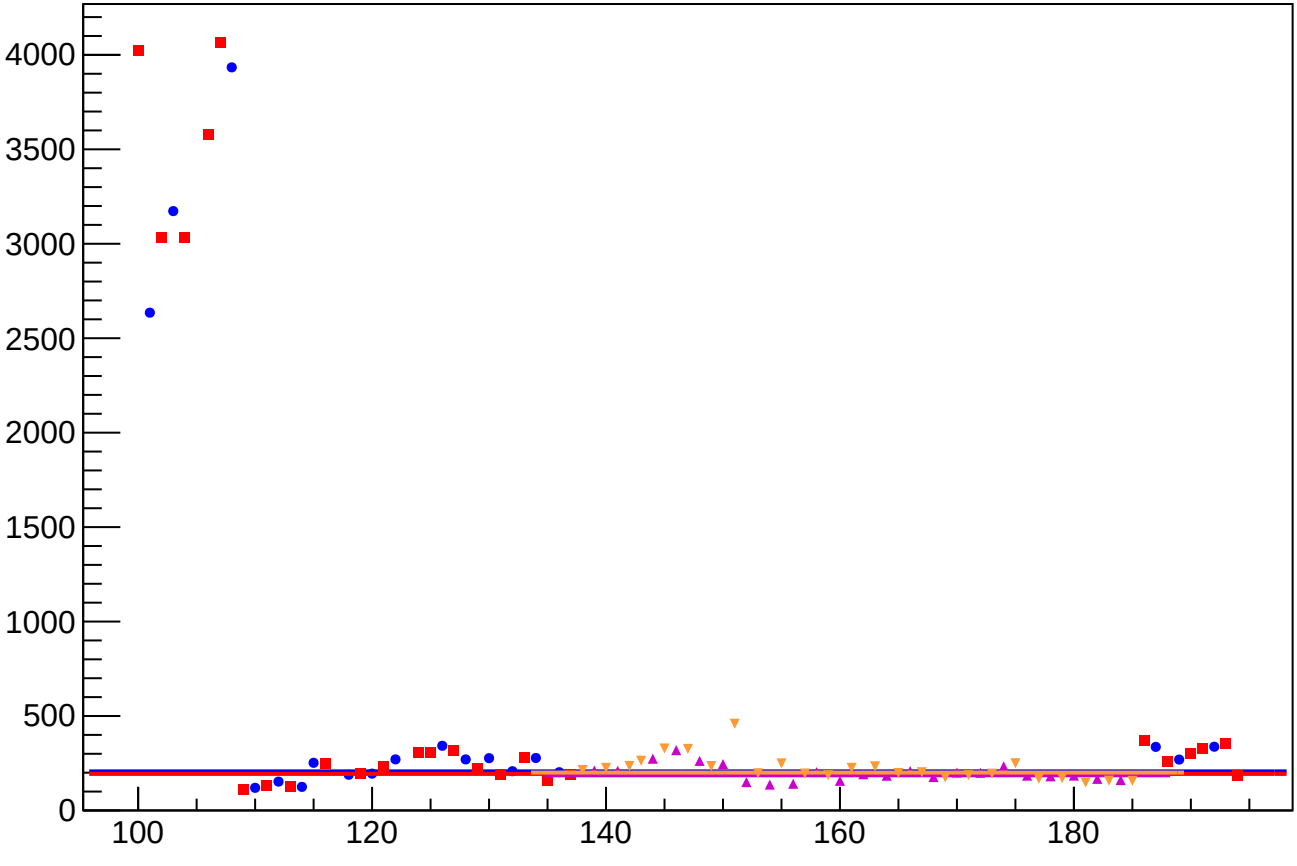
Right: -112.349+/-52.327 χ^2/NDF: 39.5/43

In: 79.700+/-39.463 χ^2/NDF:34.2/41

Out: 34.574+/-38.983 χ^2/NDF:39.0/49

All: 56.862+/-27.733 χ^2/NDF: 73.8/91

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 206.931+/-0.057 χ^2/NDF: 4232266.5/18

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 193.485+/-0.049 χ^2/NDF: 5154665.3/24

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

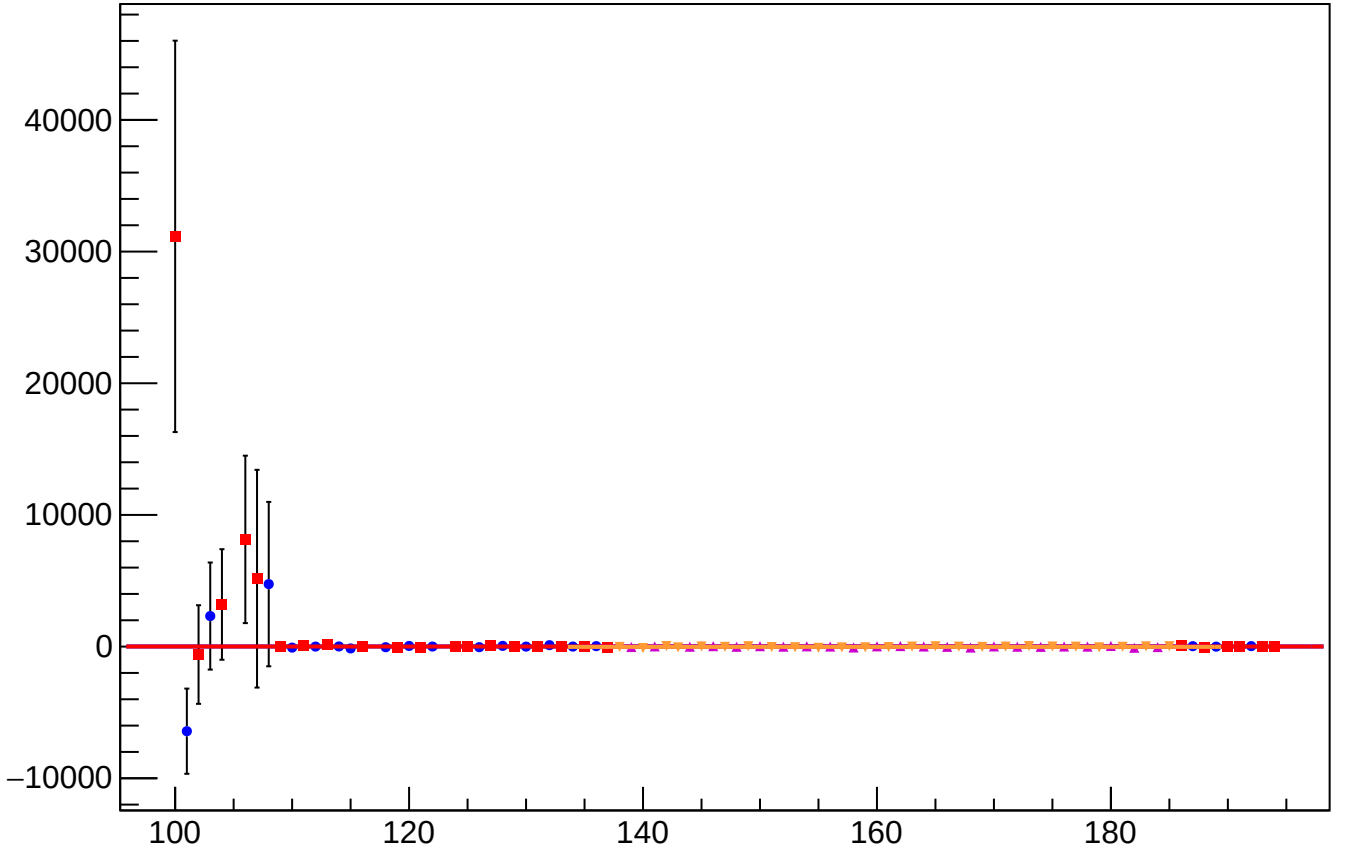
Right: 199.161+/-0.037 χ^2/NDF: 9419141.8/43

In: 191.153+/-0.028 χ^2/NDF:5746647.7/41

Out: 198.376+/-0.028 χ^2/NDF:7049613.6/49

All: 194.809+/-0.020 χ^2/NDF: 12830171.2/91

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 9.809+/-12.472 χ^2/NDF: 18.4/18

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: 7.250+/-11.186 χ^2/NDF: 25.9/24

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

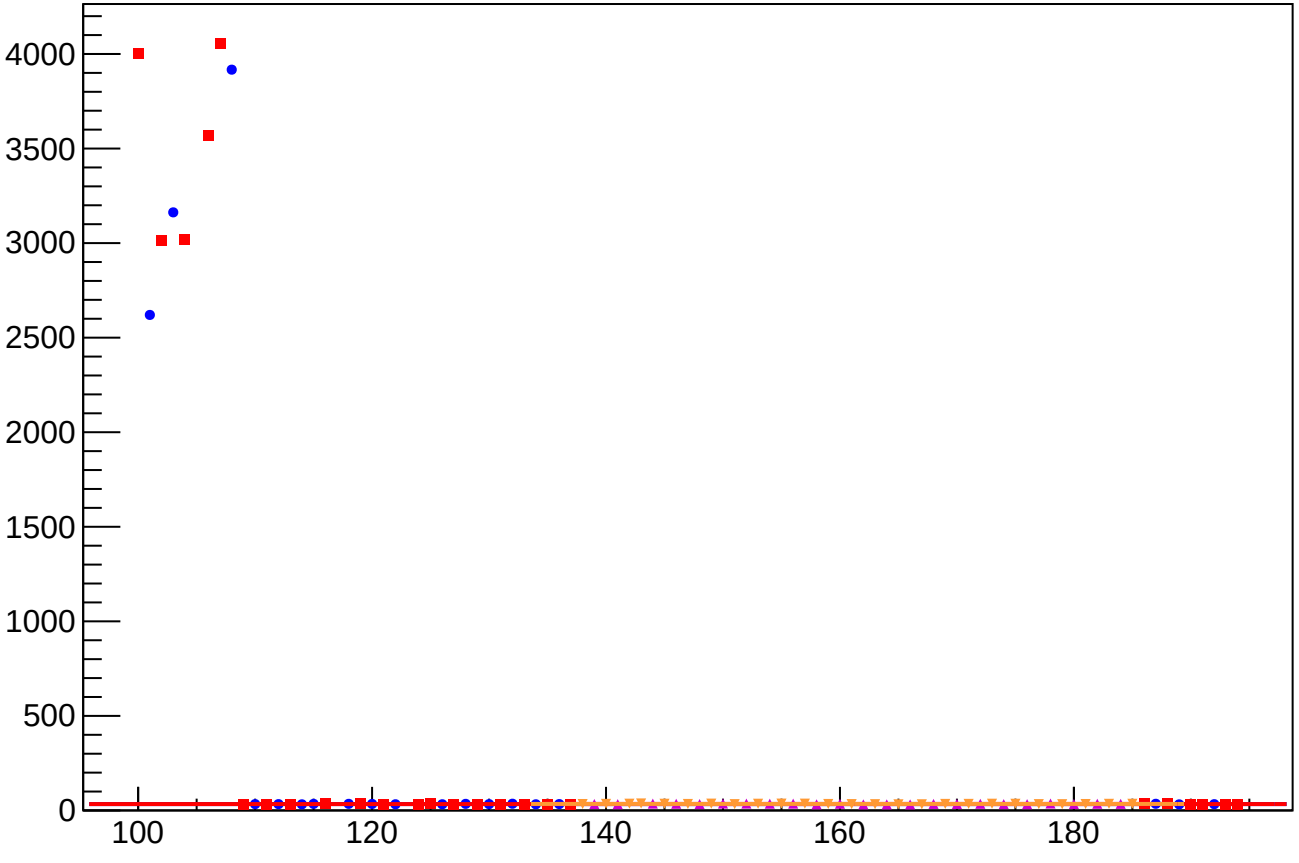
Right: 8.391+/-8.327 χ^2/NDF: 44.3/43

In: 0.064+/-6.783 χ^2/NDF:38.1/41

Out: -11.854+/-6.417 χ^2/NDF:53.2/49

All: -6.225+/-4.662 χ^2/NDF: 93.0/91

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.699+/-0.009 χ^2/NDF: 3248268.8/18

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

Right Out: 33.721+/-0.008 χ^2/NDF: 3537365.8/24

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

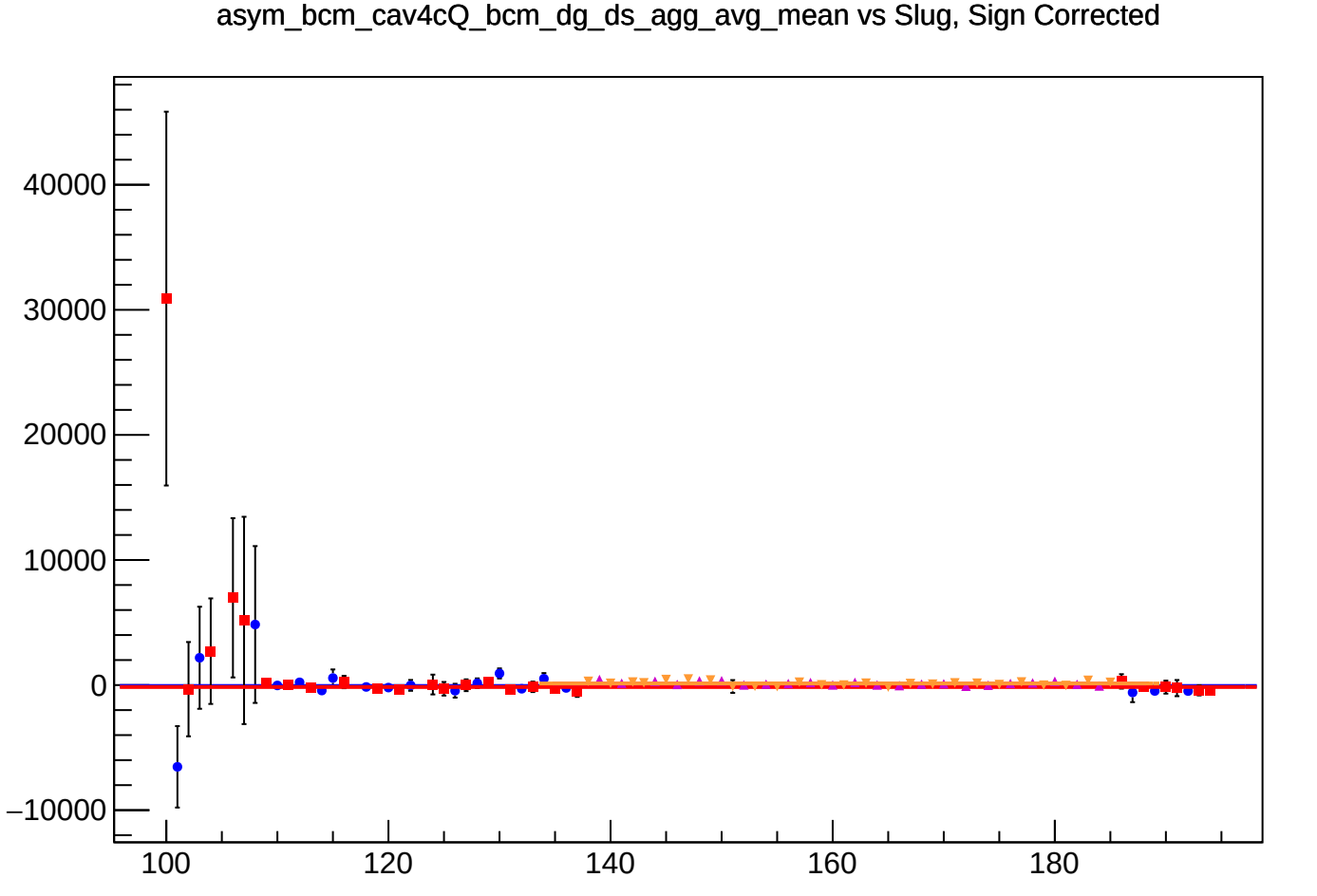
Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

Right: 33.711+/-0.006 χ^2/NDF: 6785638.3/43

In: 34.300+/-0.005 χ^2/NDF:3314144.0/41

Out: 34.202+/-0.005 χ^2/NDF:3587571.0/49

All: 34.248+/-0.003 χ^2/NDF: 6901931.2/91



Right In: -71.844+/-80.157 χ^2/NDF: 21.6/18

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: -154.610+/-68.482 χ^2/NDF: 16.3/24

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

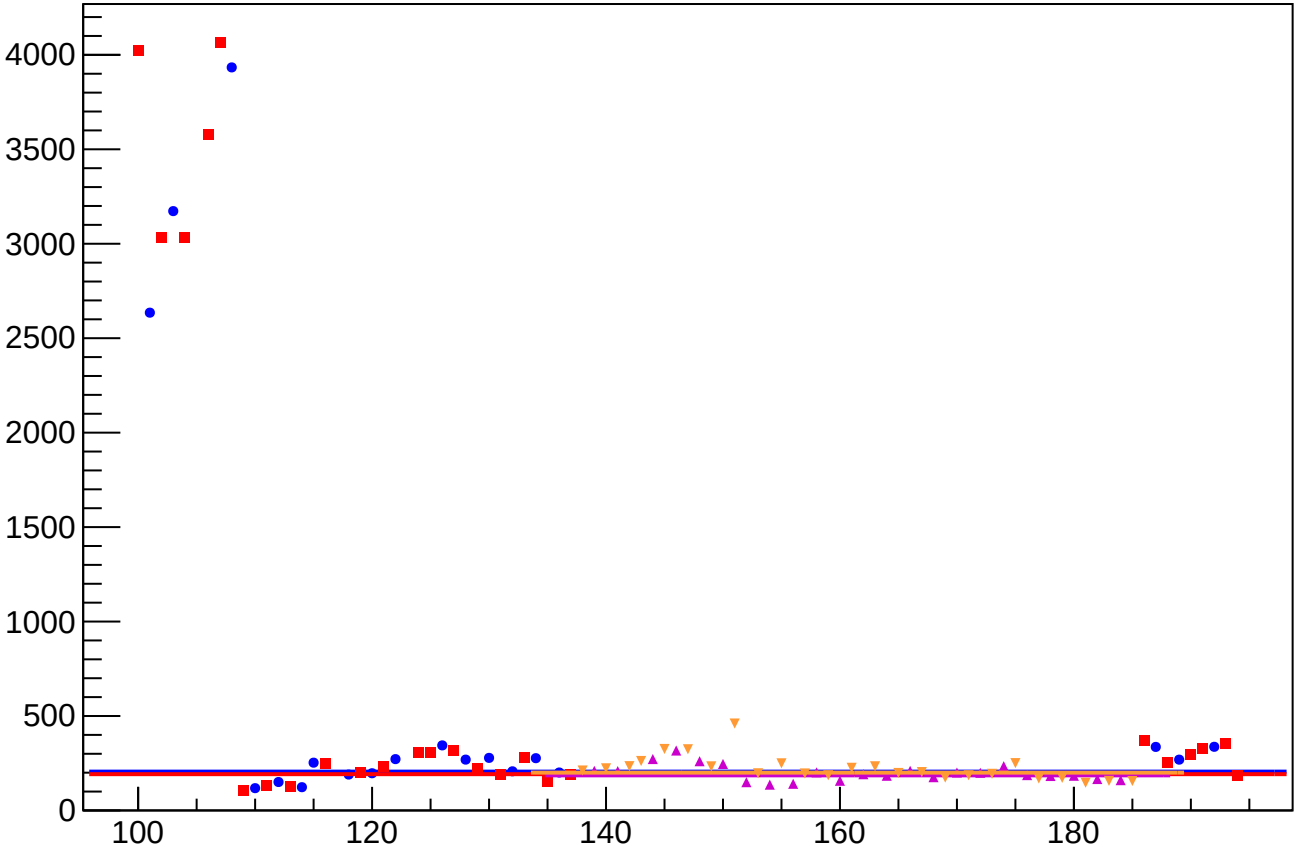
Right: -119.688+/-52.067 χ^2/NDF: 38.4/43

In: 75.849+/-39.371 χ^2/NDF:34.0/41

Out: 36.702+/-38.879 χ^2/NDF:39.4/49

All: 56.029+/-27.664 χ^2/NDF: 73.9/91

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 205.564+/-0.057 χ^2/NDF: 4279141.3/18

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

Right Out: 192.102+/-0.048 χ^2/NDF: 5218464.7/24

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

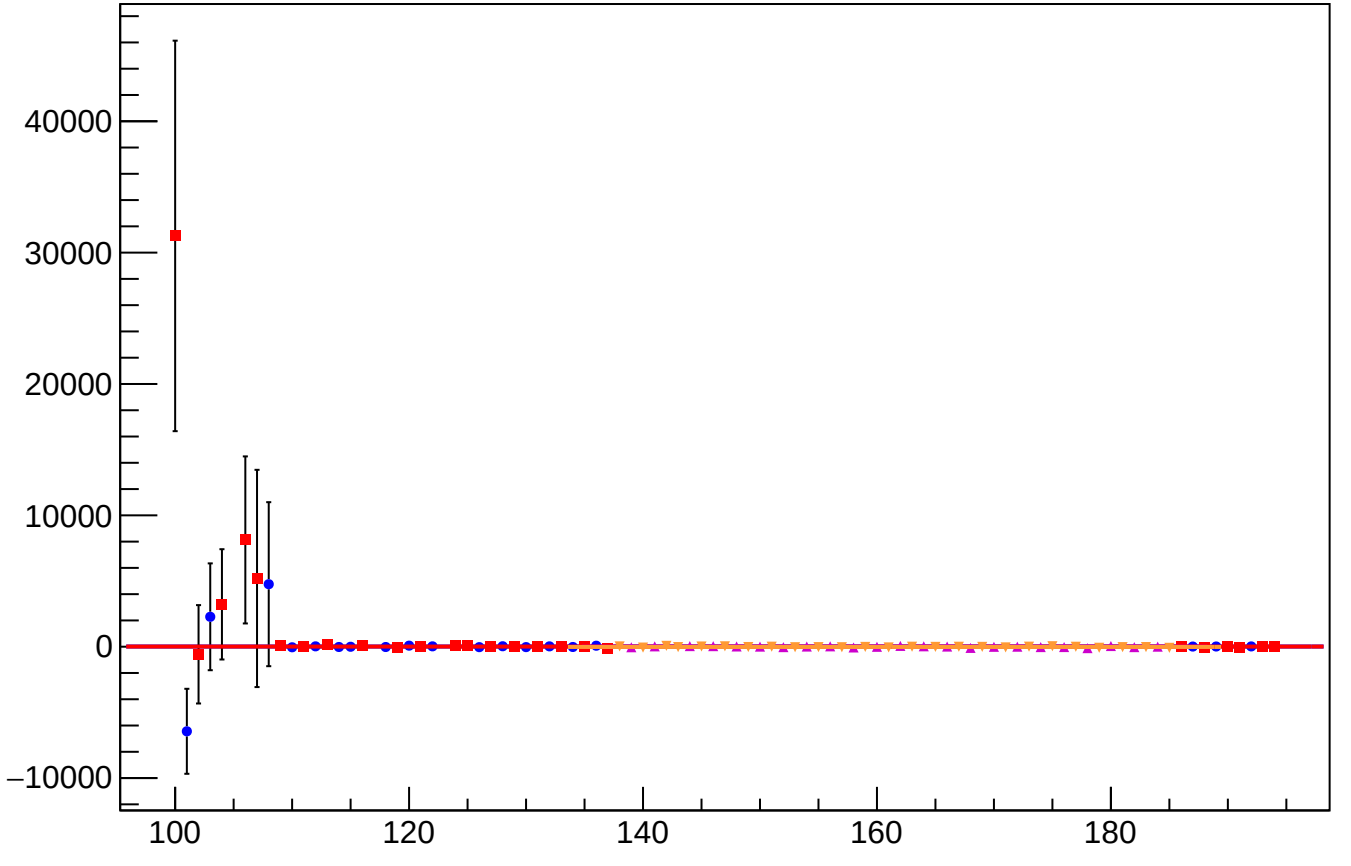
Right: 197.782+/-0.037 χ^2/NDF: 9530215.7/43

In: 190.622+/-0.028 χ^2/NDF:5776255.4/41

Out: 197.706+/-0.027 χ^2/NDF:7114765.5/49

All: 194.209+/-0.020 χ^2/NDF: 12923804.8/91

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 14.982+/-11.328 χ^2/NDF: 15.5/18

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: 10.661+/-10.151 χ^2/NDF: 33.0/24

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

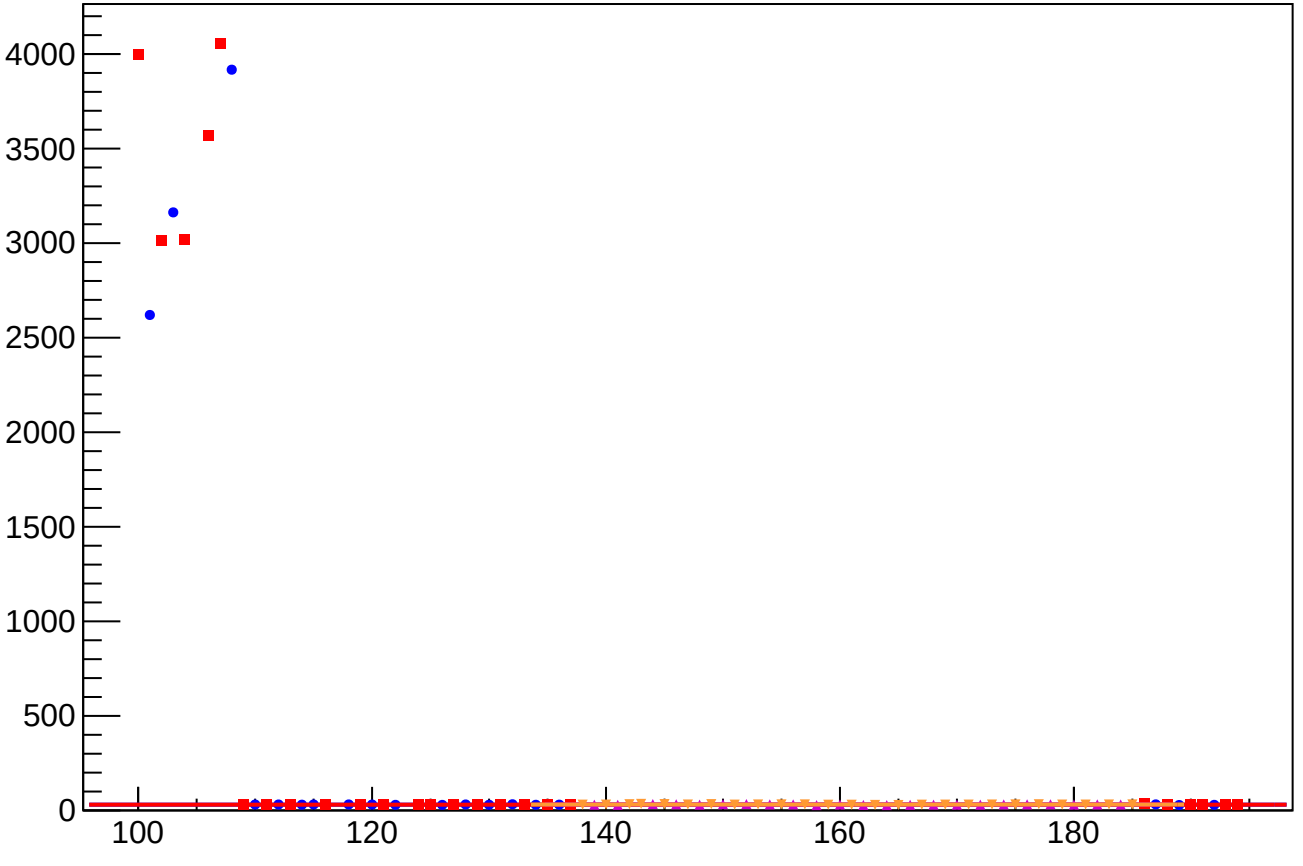
Right: 12.586+/-7.560 χ^2/NDF: 48.6/43

In: 2.530+/-6.165 χ^2/NDF:52.8/41

Out: -8.911+/-5.837 χ^2/NDF:58.9/49

All: -3.502+/-4.238 χ^2/NDF: 113.5/91

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.580+/-0.008 χ^2/NDF: 3261564.6/18

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

Right Out: 30.567+/-0.007 χ^2/NDF: 3553202.9/24

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

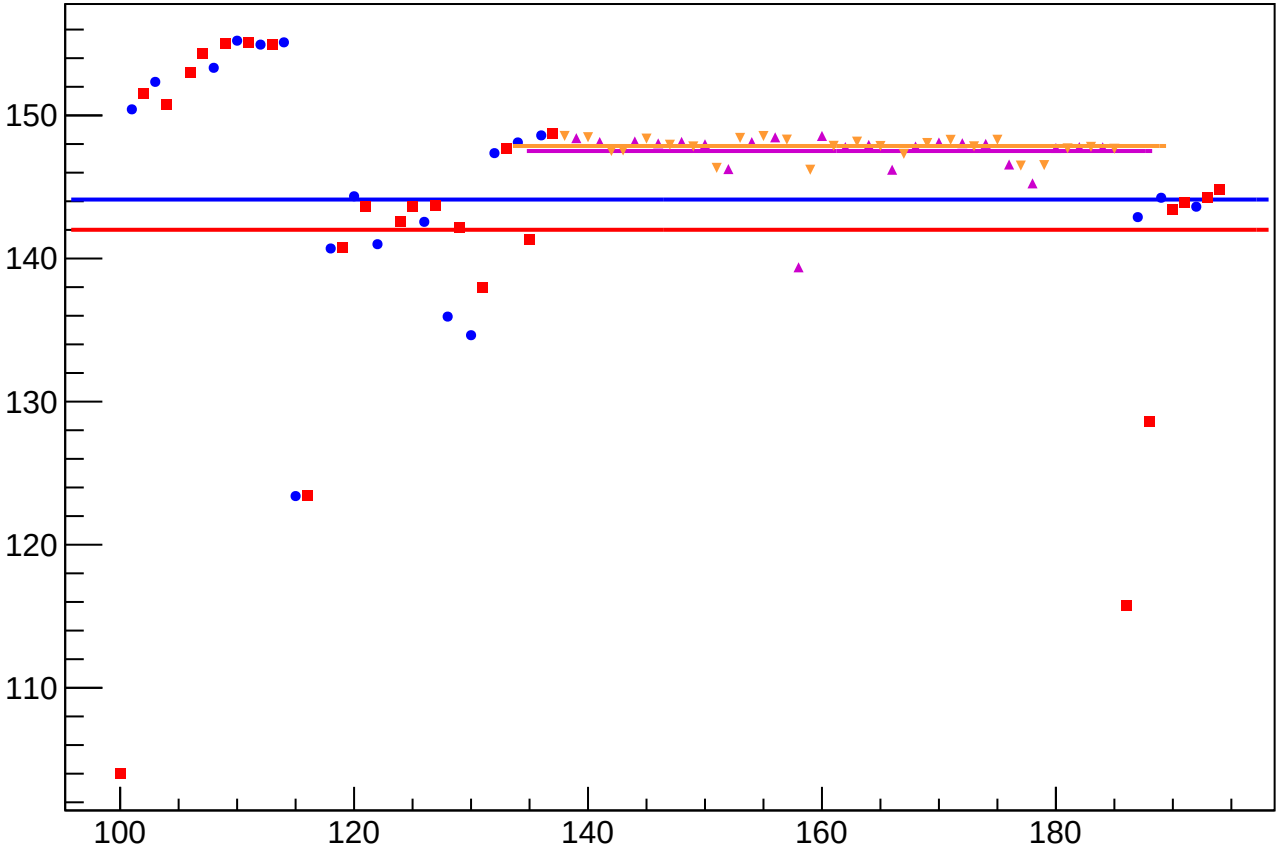
Right: 30.573+/-0.005 χ^2/NDF: 6814768.9/43

In: 31.143+/-0.004 χ^2/NDF:3353808.8/41

Out: 31.084+/-0.004 χ^2/NDF:3623976.9/49

All: 31.112+/-0.003 χ^2/NDF: 6977879.9/91

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.121+/-0.000 χ^2/NDF: 3727460742.3/18

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.008+/-0.000 χ^2/NDF: 7458634491.9/24

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

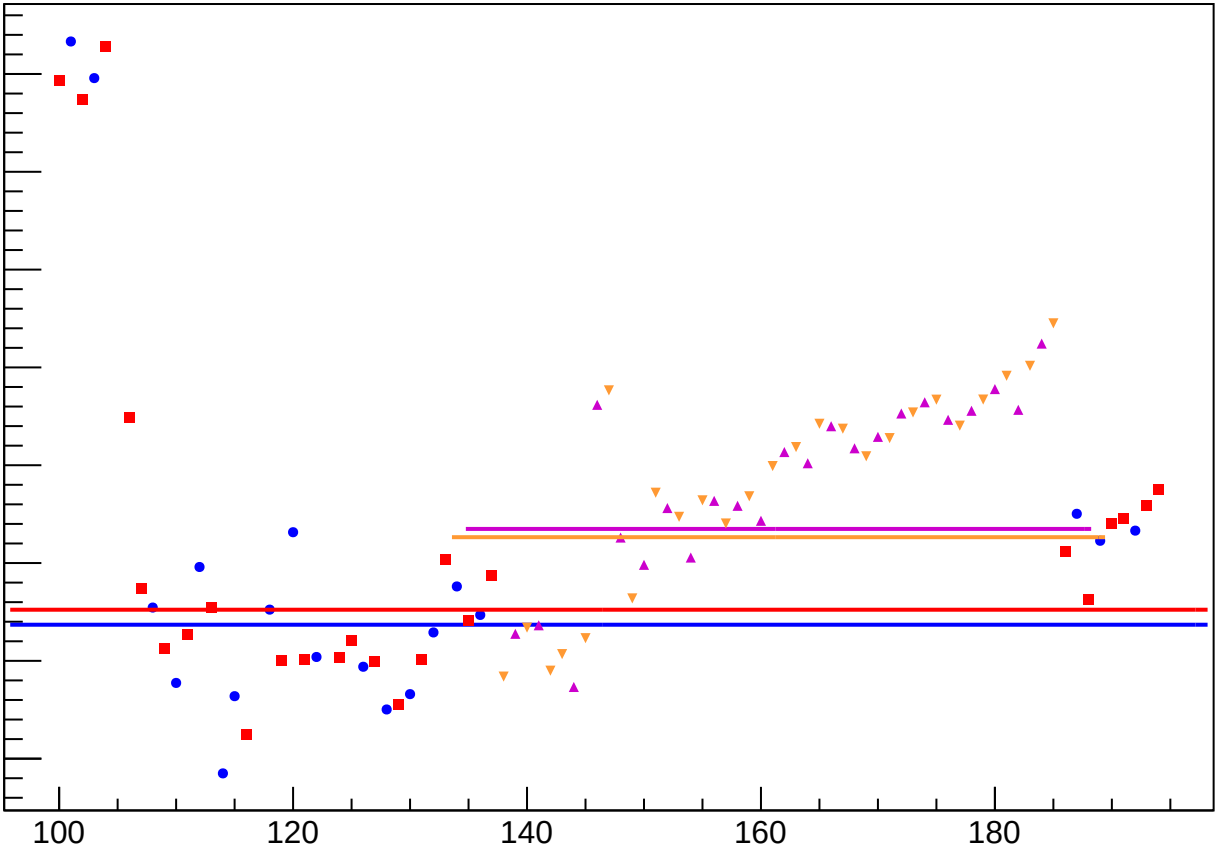
Right: 142.985+/-0.000 χ^2/NDF: 11343295708.0/43

In: 146.075+/-0.000 χ^2/NDF:4468129450.9/41

Out: 145.289+/-0.000 χ^2/NDF:8966347598.0/49

All: 145.660+/-0.000 χ^2/NDF: 13484885844.

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1571231.0/18

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.352+/-0.000 χ^2/NDF: 1633834.2/24

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

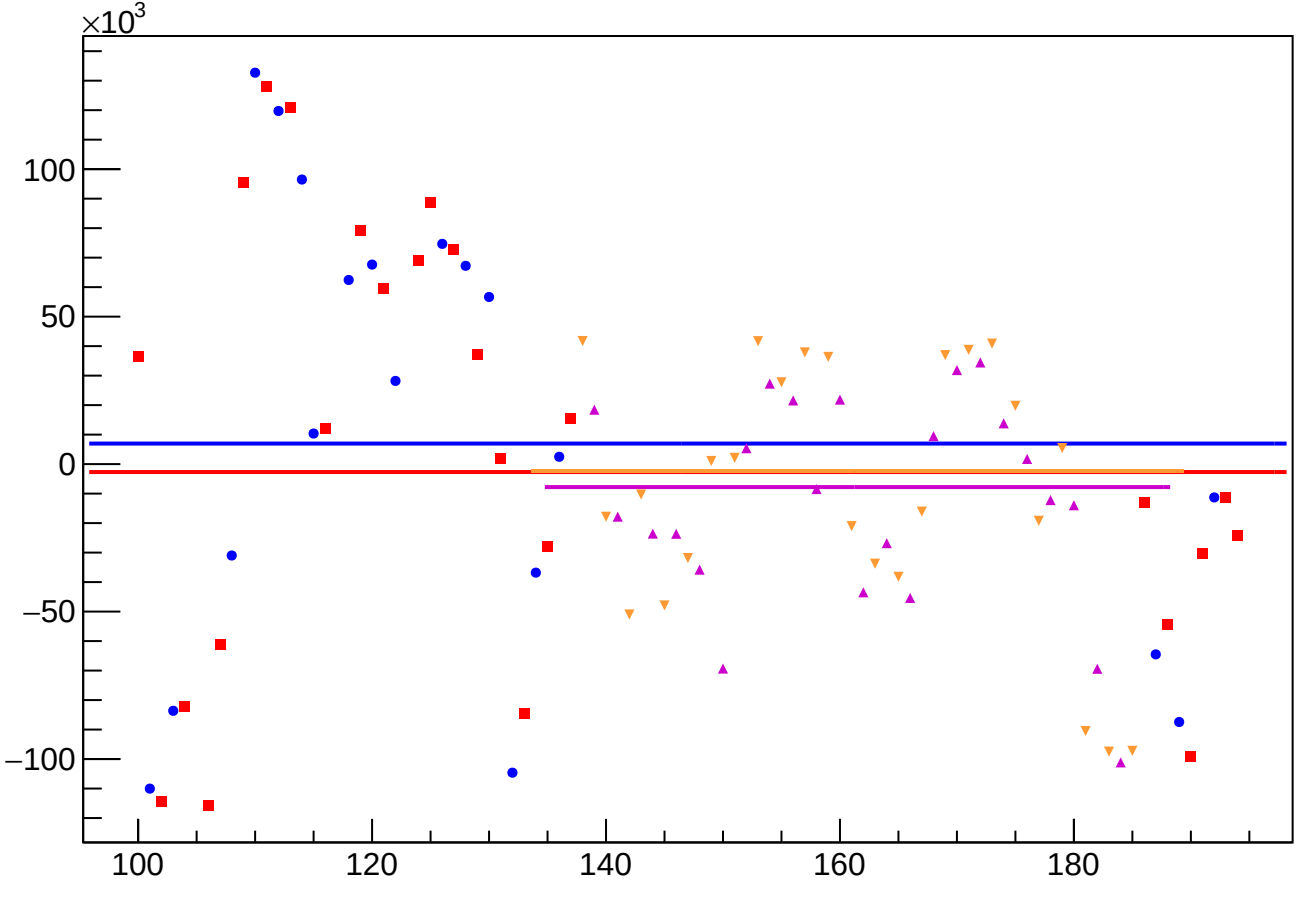
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.345+/-0.000 χ^2/NDF: 3221643.8/43

In: 0.393+/-0.000 χ^2/NDF:4070983.9/41

Out: 0.394+/-0.000 χ^2/NDF:4362066.0/49

All: 0.394+/-0.000 χ^2/NDF: 8433080.9/91



Right In: 6963.363+/-1.813 χ^2/NDF: 1622478963.1/18

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -2689.975+/-1.570 χ^2/NDF: 2162732519.2/24

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

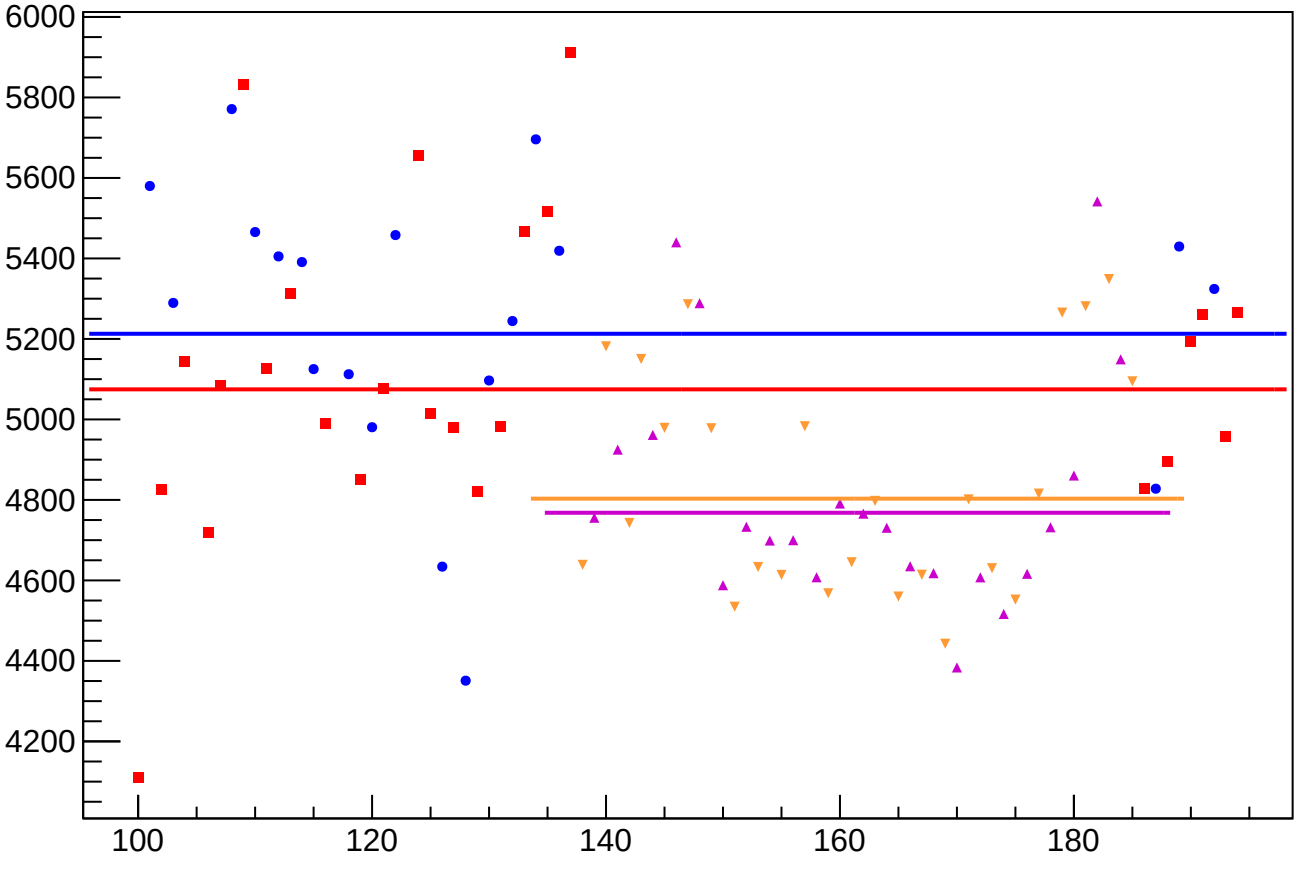
Right: 1446.685+/-1.187 χ^2/NDF: 3801406863.0/43

In: -3585.369+/-0.968 χ^2/NDF:2432297550.8/41

Out: -2461.677+/-0.914 χ^2/NDF:3392793813.4/49

All: -2991.122+/-0.664 χ^2/NDF: 5825804177

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5212.797+/-1.282 χ^2/NDF: 81802.7/18

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

Right Out: 5074.702+/-1.110 χ^2/NDF: 67835.7/24

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

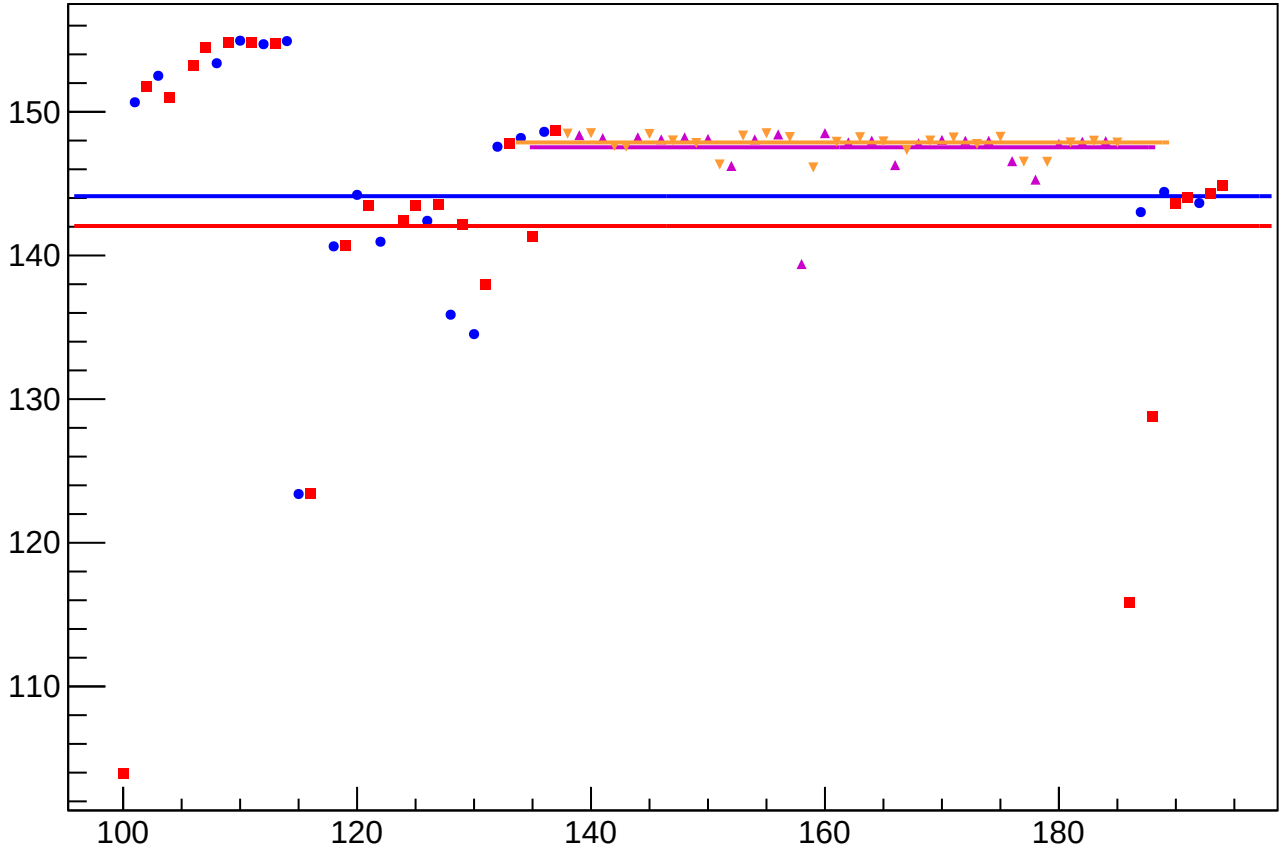
Right: 5133.879+/-0.839 χ^2/NDF: 156267.0/43

In: 4894.757+/-0.684 χ^2/NDF:270189.3/41

Out: 4895.061+/-0.646 χ^2/NDF:222088.0/49

All: 4894.918+/-0.470 χ^2/NDF: 492277.4/91

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.128+/-0.000 χ^2/NDF: 3767346042.1/18

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.052+/-0.000 χ^2/NDF: 7430774951.9/24

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

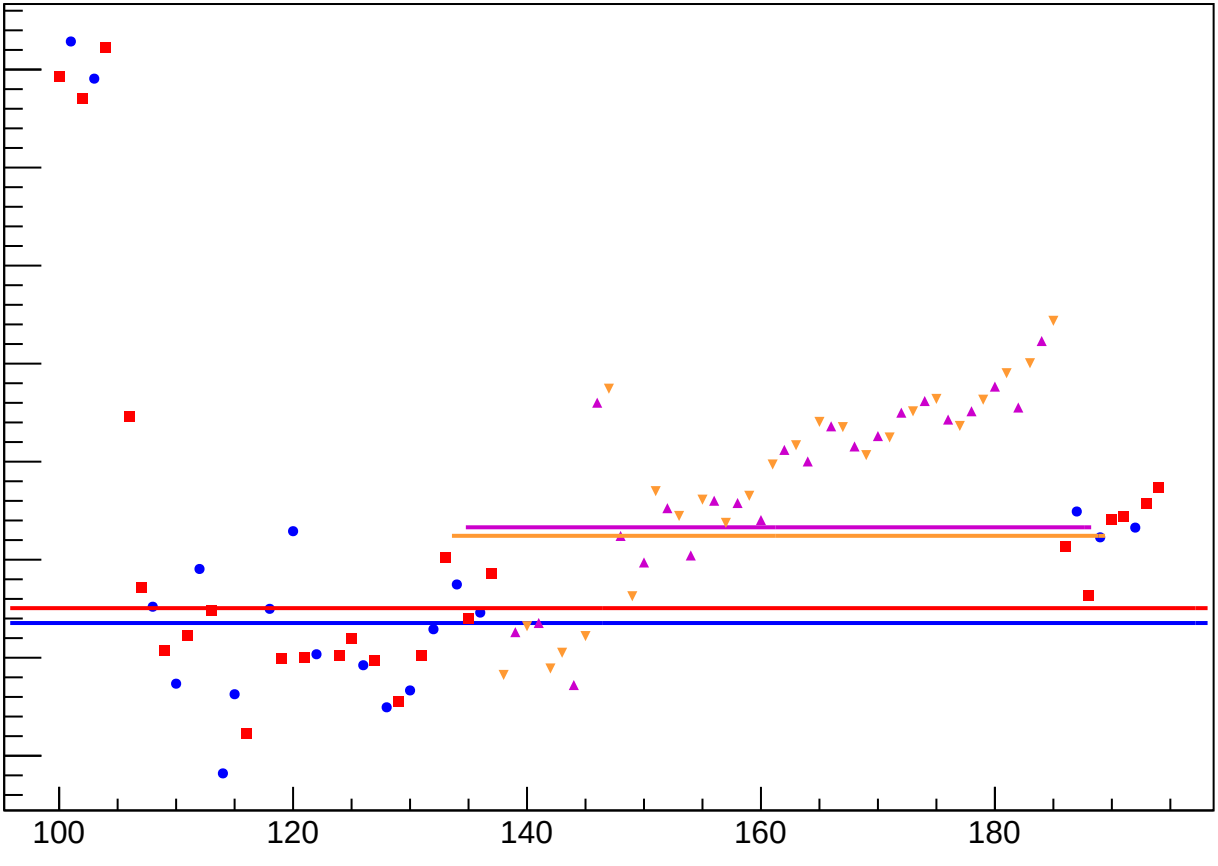
Right: 143.013+/-0.000 χ^2/NDF: 11351324644.8/43

In: 146.090+/-0.000 χ^2/NDF:4515924063.9/41

Out: 145.313+/-0.000 χ^2/NDF:8932470697.9/49

All: 145.679+/-0.000 χ^2/NDF: 13498125614.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.335+/-0.000 χ^2/NDF: 1575897.4/18

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

Right Out: 0.351+/-0.000 χ^2/NDF: 1641755.2/24

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

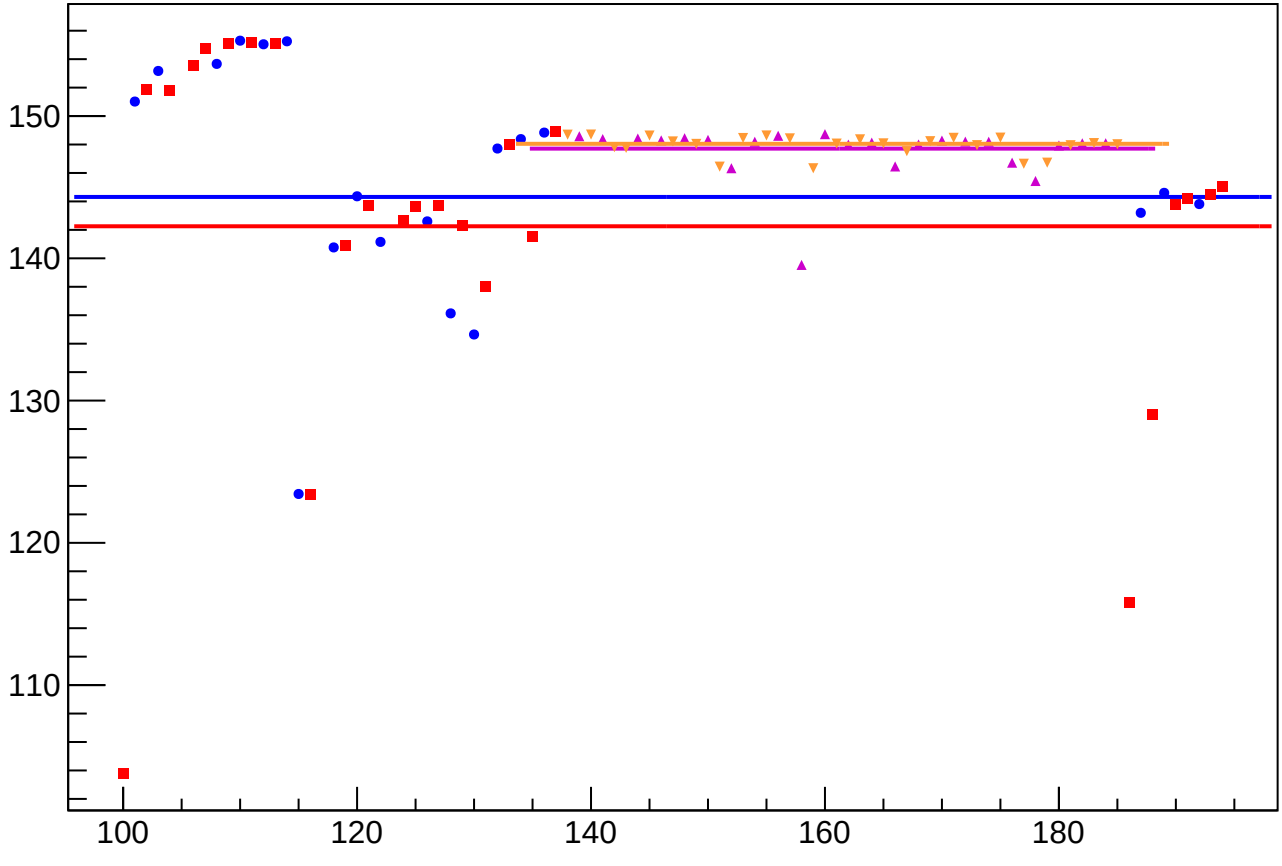
Right: 0.344+/-0.000 χ^2/NDF: 3234039.4/43

In: 0.392+/-0.000 χ^2/NDF:4073885.3/41

Out: 0.392+/-0.000 χ^2/NDF:4371163.3/49

All: 0.392+/-0.000 χ^2/NDF: 8445060.0/91

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.315+/-0.000 χ^2/NDF: 3761227898.9/18

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.253+/-0.000 χ^2/NDF: 7367091128.1/24

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

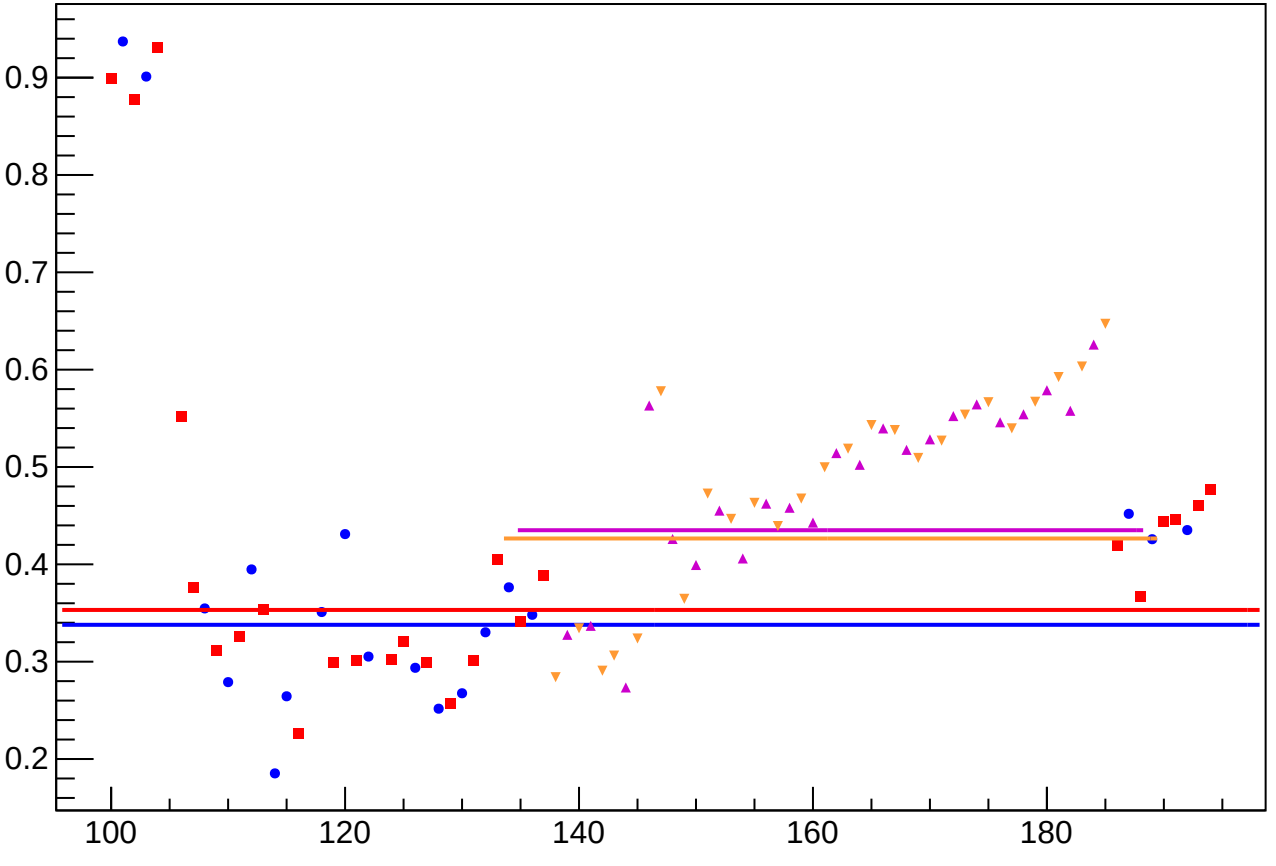
Right: 143.207+/-0.000 χ^2/NDF: 11277179266.1/43

In: 146.276+/-0.000 χ^2/NDF:4507207251.7/41

Out: 145.508+/-0.000 χ^2/NDF:8840211118.3/49

All: 145.871+/-0.000 χ^2/NDF: 13395411874.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.338+/-0.000 χ^2/NDF: 1570499.7/18

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

Right Out: 0.353+/-0.000 χ^2/NDF: 1643631.8/24

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

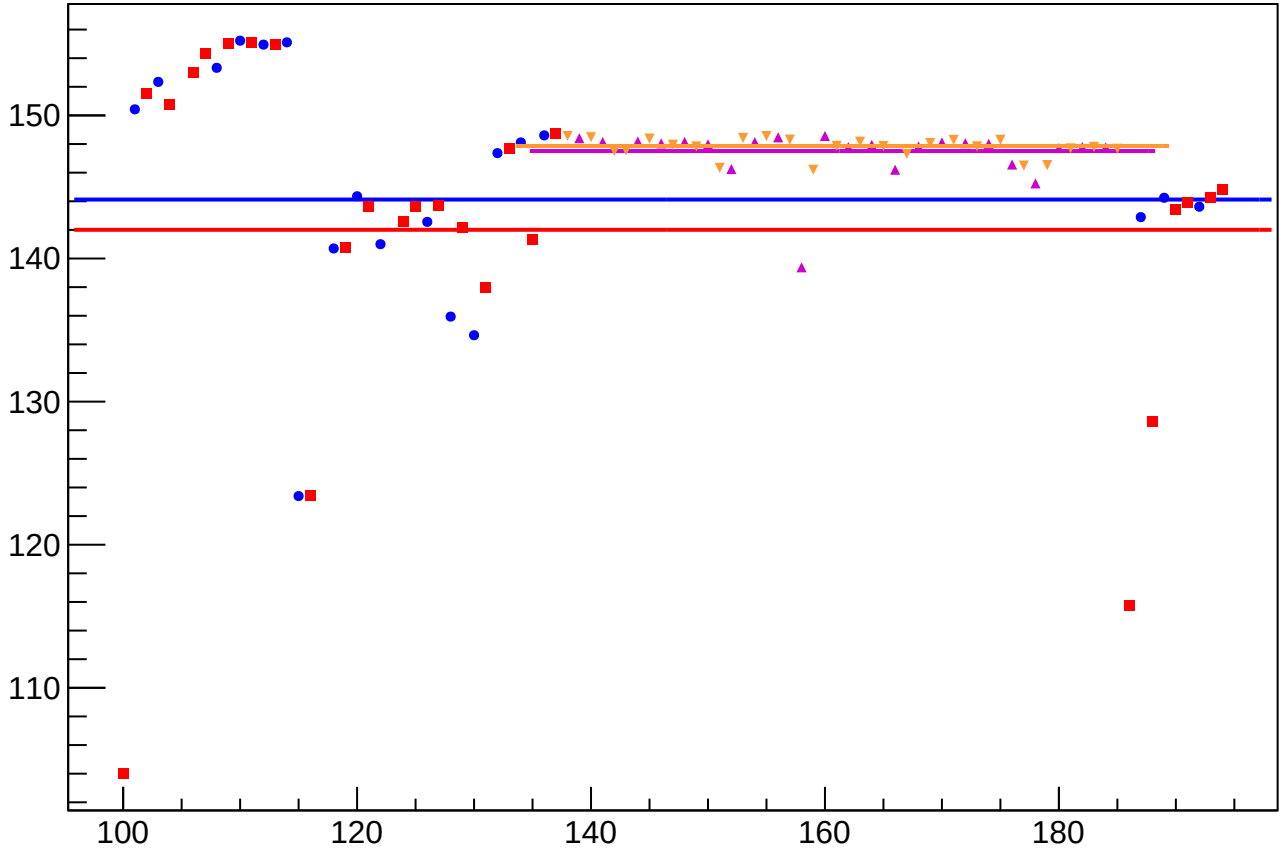
Right: 0.346+/-0.000 χ^2/NDF: 3230474.2/43

In: 0.394+/-0.000 χ^2/NDF:4051338.5/41

Out: 0.394+/-0.000 χ^2/NDF:4359236.9/49

All: 0.394+/-0.000 χ^2/NDF: 8410598.3/91

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.121+/-0.000 χ^2/NDF: 3727460742.3/18

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.008+/-0.000 χ^2/NDF: 7458634491.9/24

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

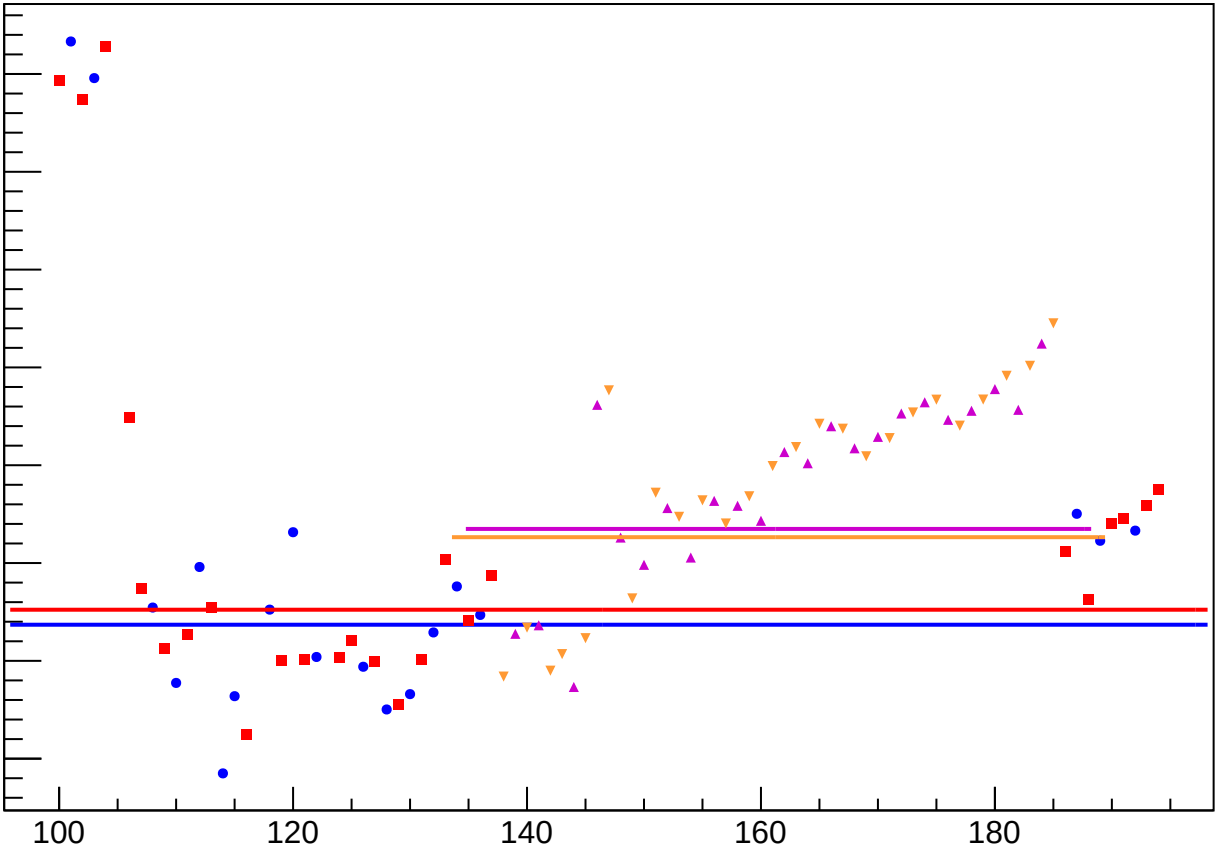
Right: 142.985+/-0.000 χ^2/NDF: 11343295708.0/43

In: 146.075+/-0.000 χ^2/NDF:4468129450.9/41

Out: 145.289+/-0.000 χ^2/NDF:8966347598.0/49

All: 145.660+/-0.000 χ^2/NDF: 13484885844.

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1571231.0/18

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.352+/-0.000 χ^2/NDF: 1633834.2/24

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

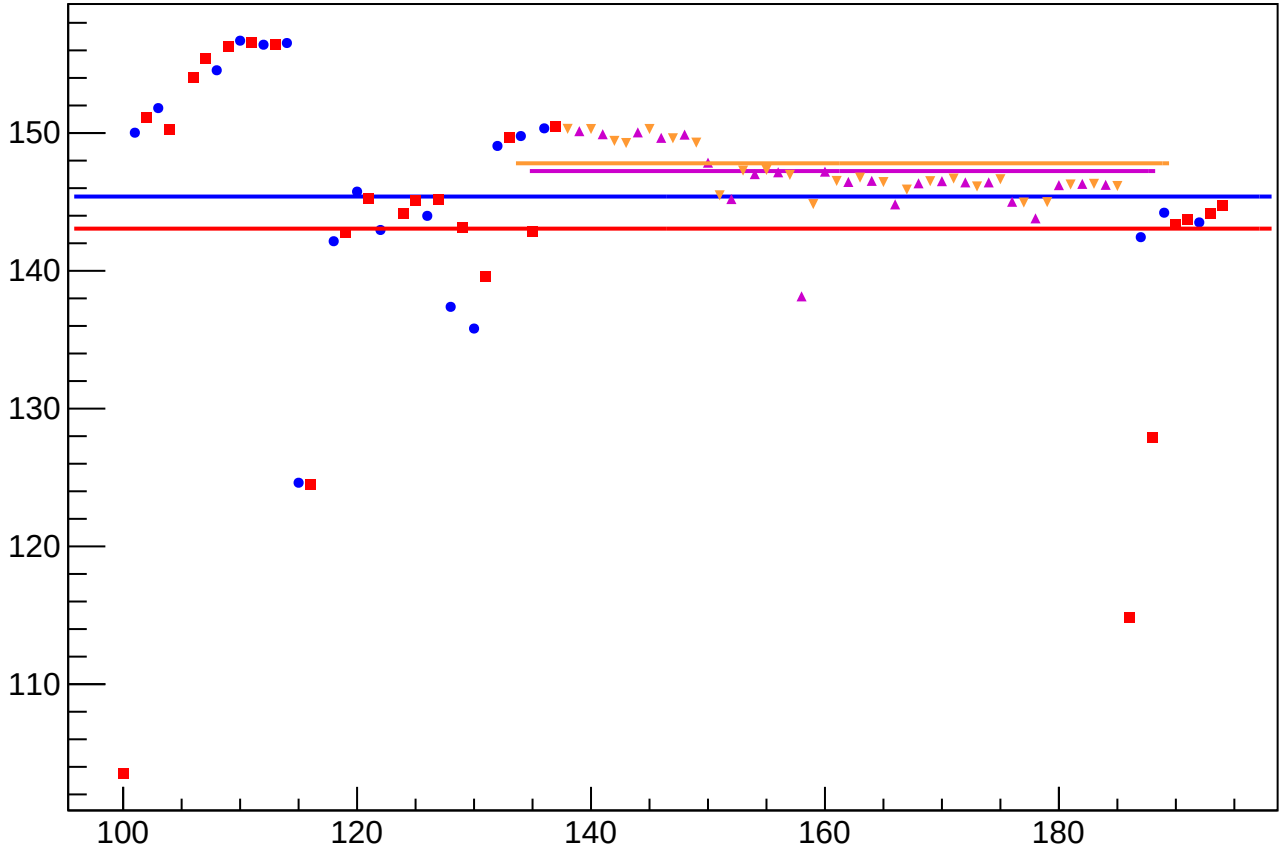
Right: 0.345+/-0.000 χ^2/NDF: 3221643.8/43

In: 0.393+/-0.000 χ^2/NDF:4070983.9/41

Out: 0.394+/-0.000 χ^2/NDF:4362066.0/49

All: 0.394+/-0.000 χ^2/NDF: 8433080.9/91

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.392+/-0.000 χ^2/NDF: 3511839698.3/18

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.063+/-0.000 χ^2/NDF: 7582625441.4/24

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

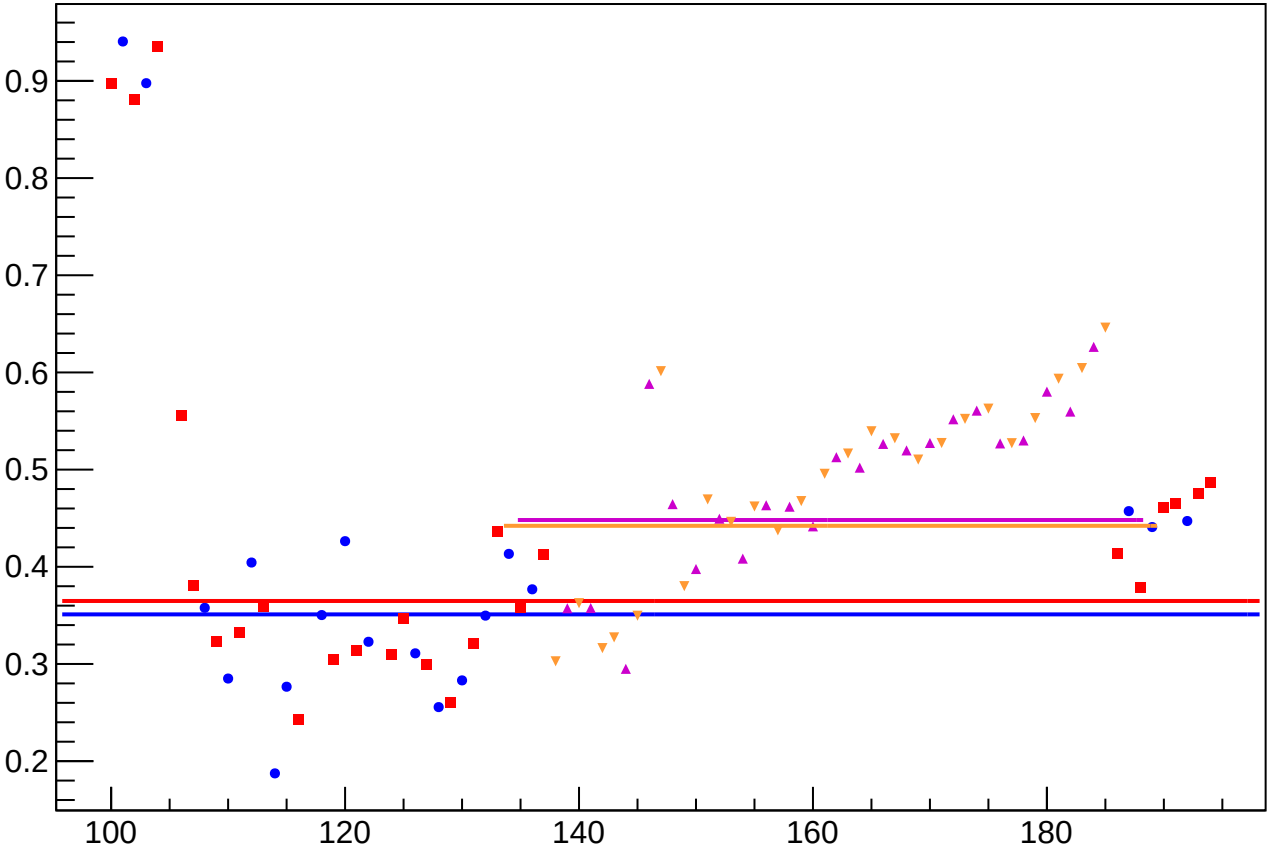
Right: 144.133+/-0.000 χ^2/NDF: 11271216075.9/43

In: 146.473+/-0.000 χ^2/NDF:4251187175.0/41

Out: 145.734+/-0.000 χ^2/NDF:8807513357.2/49

All: 146.083+/-0.000 χ^2/NDF: 13100675565.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.351+/-0.000 χ^2/NDF: 1534830.1/18

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.365+/-0.000 χ^2/NDF: 1595104.0/24

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

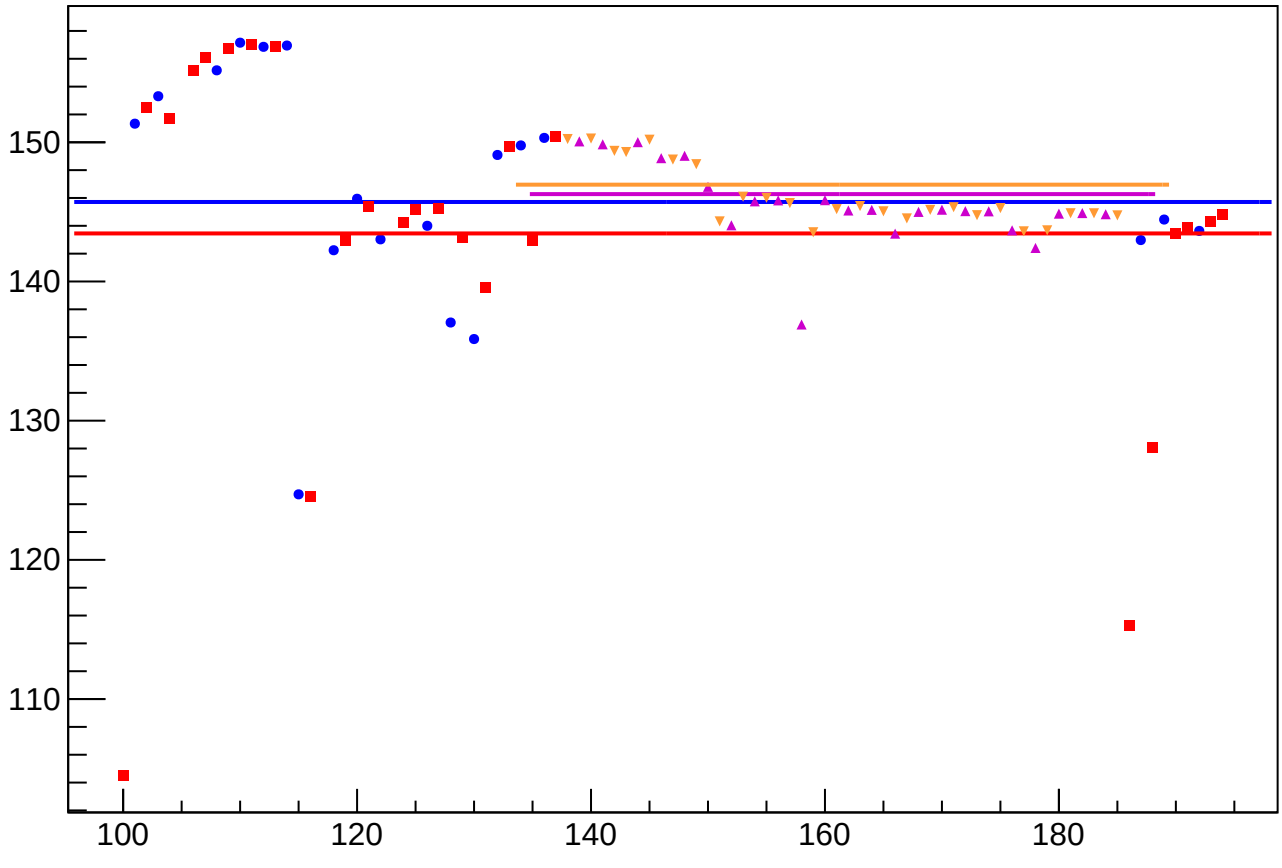
Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

Right: 0.358+/-0.000 χ^2/NDF: 3142334.7/43

In: 0.408+/-0.000 χ^2/NDF:3548169.7/41

Out: 0.408+/-0.000 χ^2/NDF:3777174.3/49

All: 0.408+/-0.000 χ^2/NDF: 7325390.6/91



Right In: 145.712+/-0.000 χ^2/NDF: 3654574643.0/18

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.452+/-0.000 χ^2/NDF: 7659672430.1/24

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

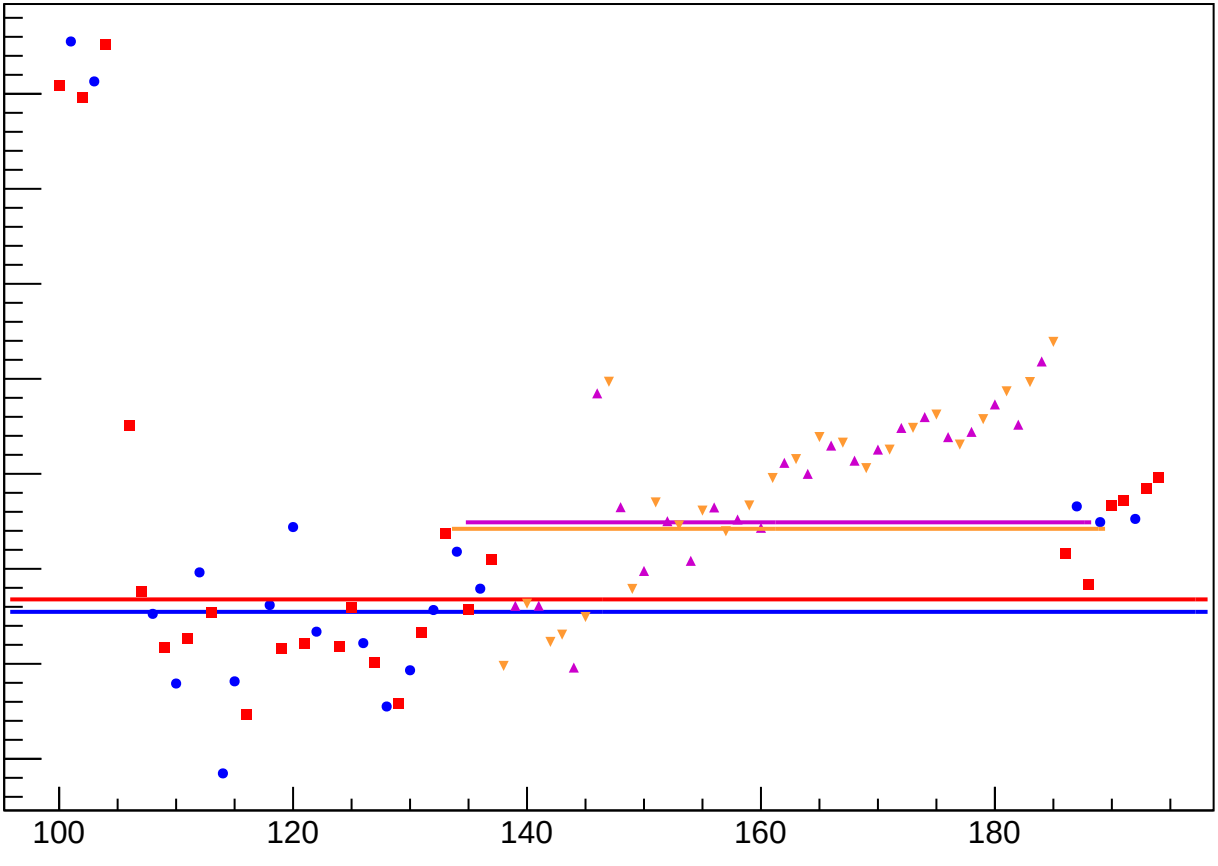
Right: 144.488+/-0.000 χ^2/NDF: 11476967159.9/43

In: 146.046+/-0.000 χ^2/NDF:4490865453.4/41

Out: 145.443+/-0.000 χ^2/NDF:8687281752.3/49

All: 145.727+/-0.000 χ^2/NDF: 13205761251.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.355+/-0.000 χ^2/NDF: 1561767.8/18

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.368+/-0.000 χ^2/NDF: 1607334.6/24

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

Right: 0.362+/-0.000 χ^2/NDF: 3180048.5/43

In: 0.410+/-0.000 χ^2/NDF:3479312.5/41

Out: 0.410+/-0.000 χ^2/NDF:3719940.6/49

All: 0.410+/-0.000 χ^2/NDF: 7199267.8/91

yield_cav4bQ_mean vs Slug, Sign Corrected

Right In: 872.584+/-0.000 χ^2/NDF: 8429623383929.9/18

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 872.125+/-0.000 χ^2/NDF: 125036606354 61.9/24

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

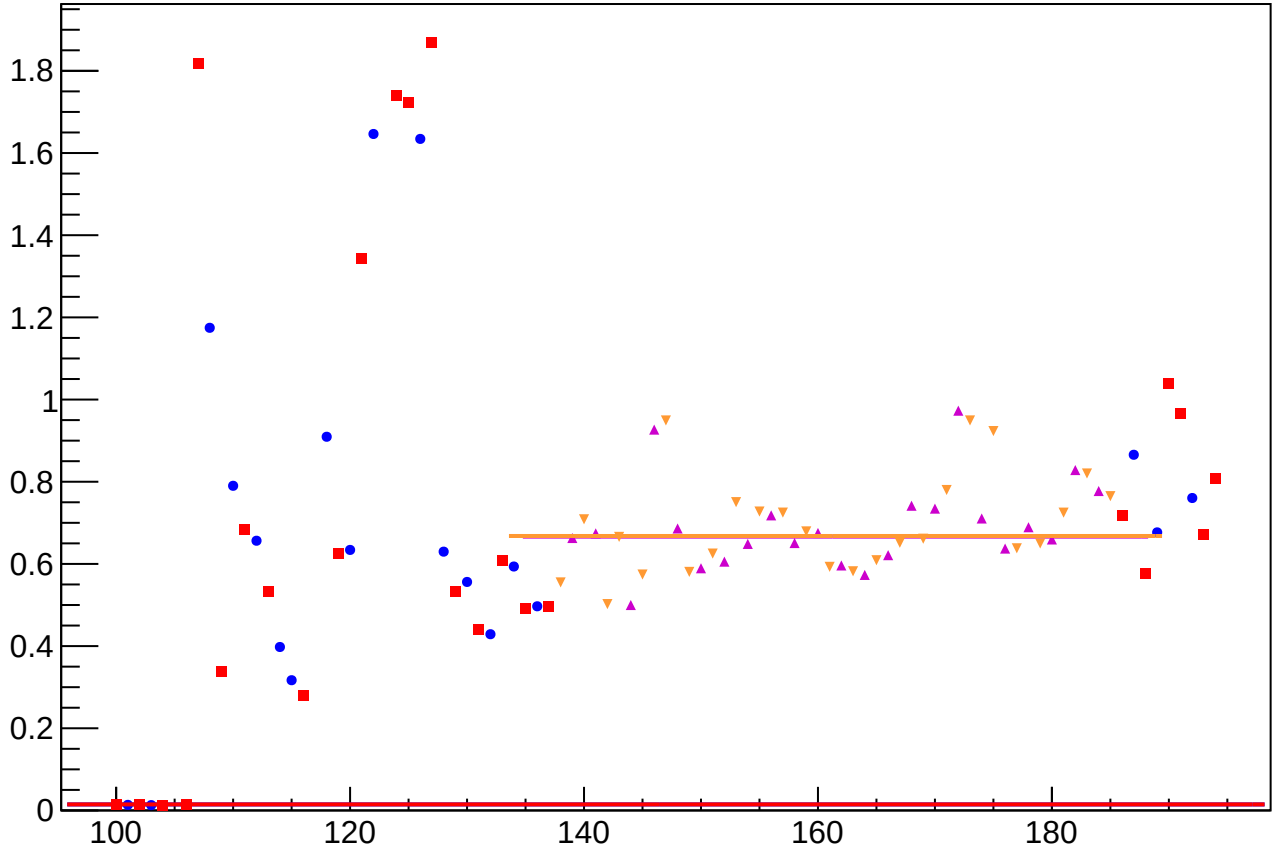
Right: 872.338+/-0.000 χ^2/NDF: 20934085714460.

In: 869.345+/-0.000 χ^2/NDF:24949372596182.9/

Out: 869.191+/-0.000 χ^2/NDF:29732028736585.7

All: 869.262+/-0.000 χ^2/NDF: 546814922847

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 12073891.4/18

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.015+/-0.000 χ^2/NDF: 15112122.5/24

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

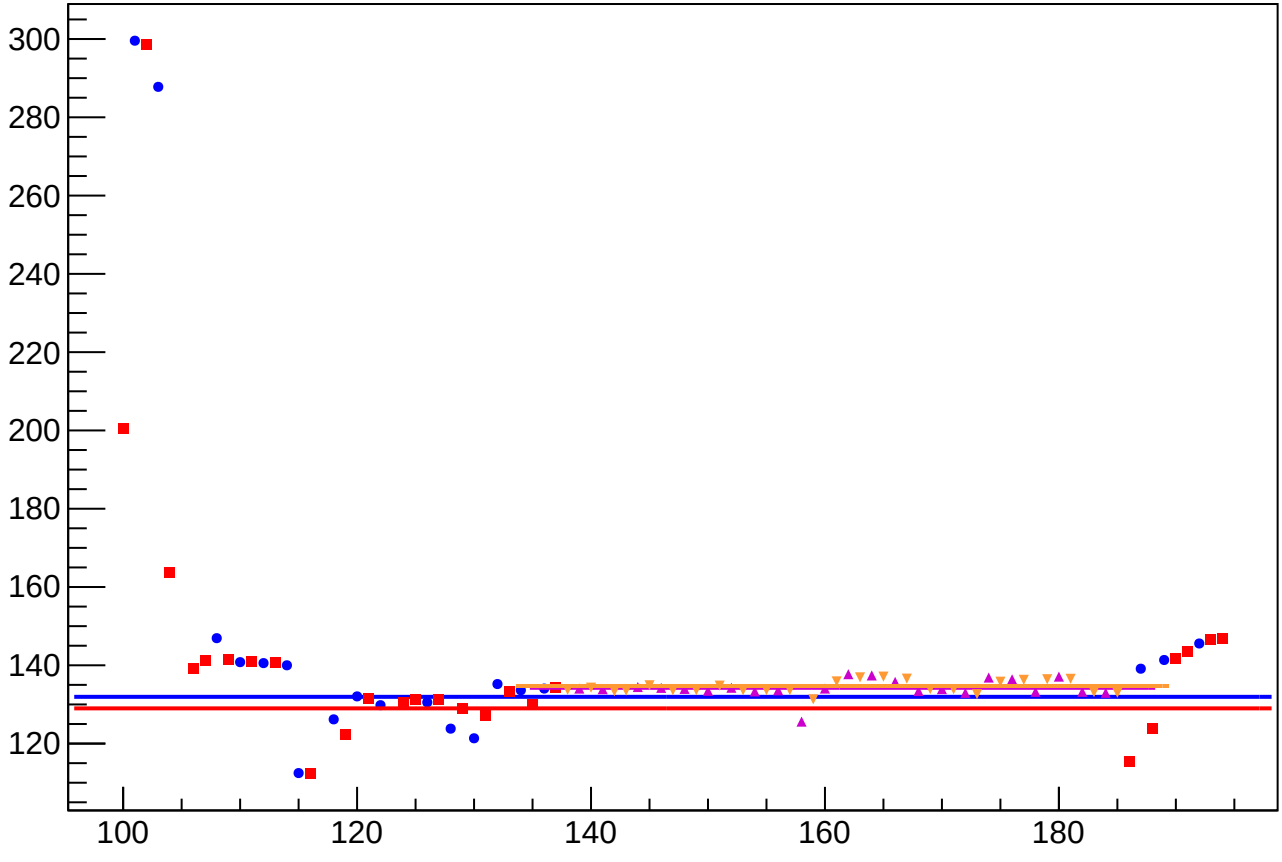
Right: 0.015+/-0.000 χ^2/NDF: 27186130.2/43

In: 0.018+/-0.000 χ^2/NDF:40026420.6/41

Out: 0.017+/-0.000 χ^2/NDF:44589819.7/49

All: 0.017+/-0.000 χ^2/NDF: 84616399.9/91

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 131.944+/-0.000 χ^2/NDF: 2317445727.4/18

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 128.996+/-0.000 χ^2/NDF: 3451641312.2/24

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

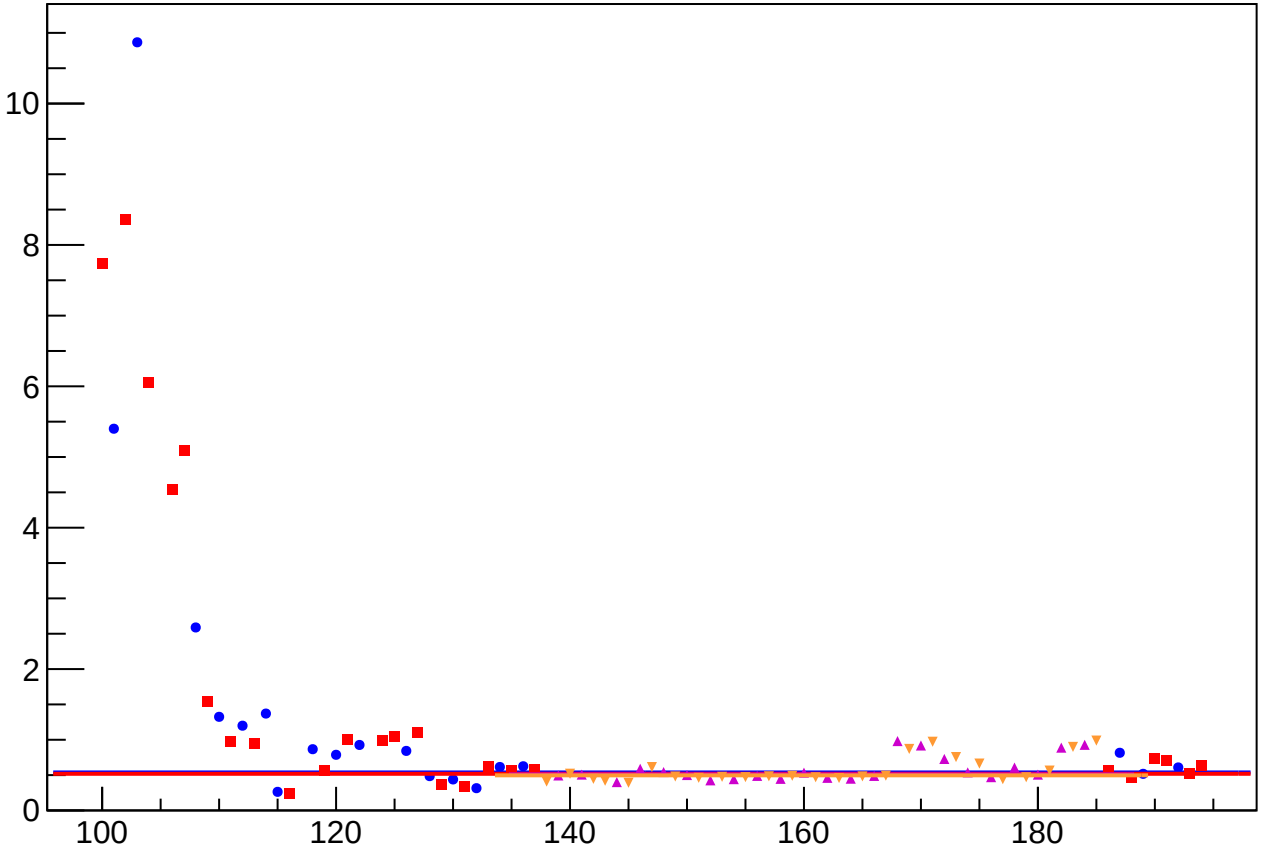
Right: 130.225+/-0.000 χ^2/NDF: 5855795652.6/43

In: 133.741+/-0.000 χ^2/NDF:2829924034.0/41

Out: 133.208+/-0.000 χ^2/NDF:4187618674.5/49

All: 133.453+/-0.000 χ^2/NDF: 7029416736.6

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.538+/-0.000 χ^2/NDF: 4201761.2/18

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.519+/-0.000 χ^2/NDF: 5033008.8/24

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

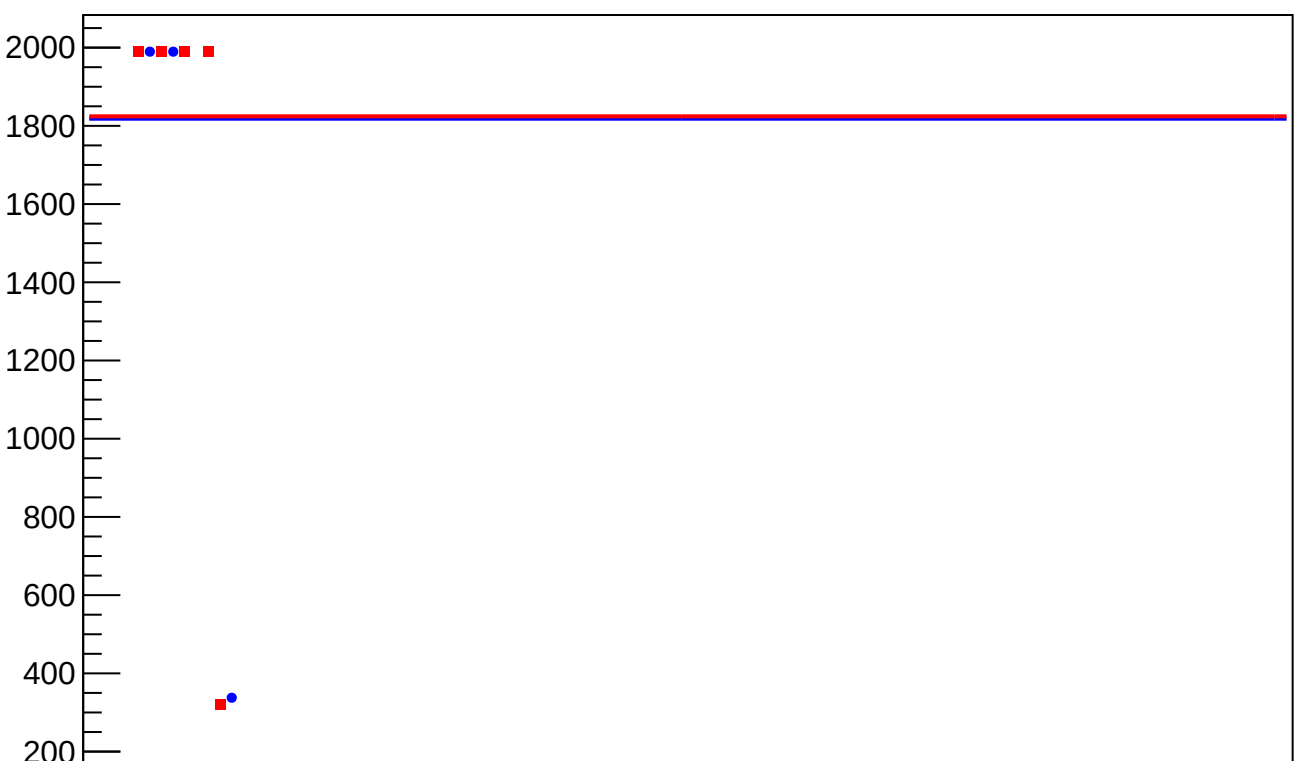
Right: 0.527+/-0.000 χ^2/NDF: 9241889.5/43

In: 0.516+/-0.000 χ^2/NDF:5708206.8/41

Out: 0.503+/-0.000 χ^2/NDF:6622289.0/49

All: 0.509+/-0.000 χ^2/NDF: 12344894.7/91

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1818.265+/-0.000 χ^2/NDF: 166732634077573.8/18

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1824.343+/-0.000 χ^2/NDF: 190728321819294.1/24

Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

Left: 137.469+/-0.000 χ^2/NDF: 315189054.5/47

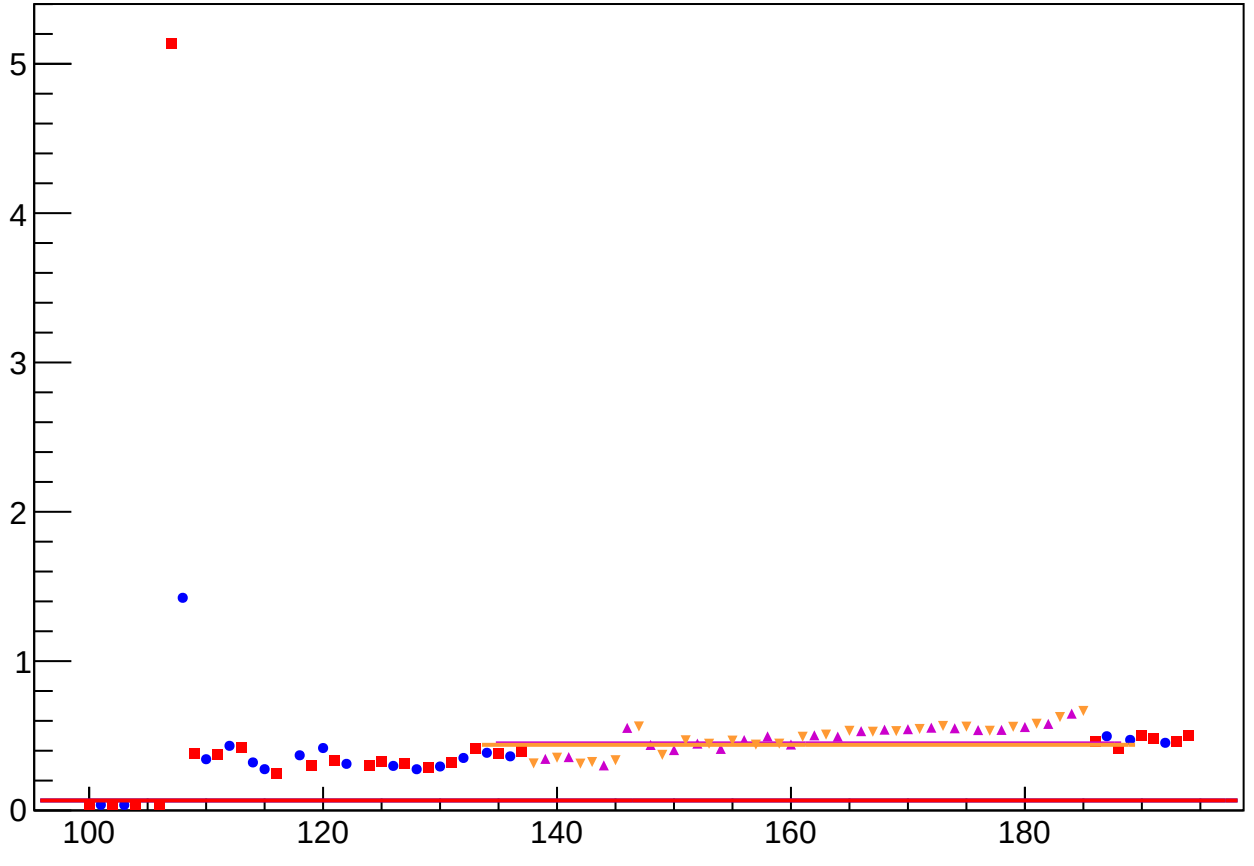
Right: 1821.557+/-0.000 χ^2/NDF: 3574725114583

In: 1602.912+/-0.000 χ^2/NDF:375837407727645.

Out: 1622.317+/-0.000 χ^2/NDF:423250937528451

All: 1613.375+/-0.000 χ^2/NDF: 7992228552

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.067+/-0.000 χ^2/NDF: 10503431.7/18

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.067+/-0.000 χ^2/NDF: 12994502.1/24

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

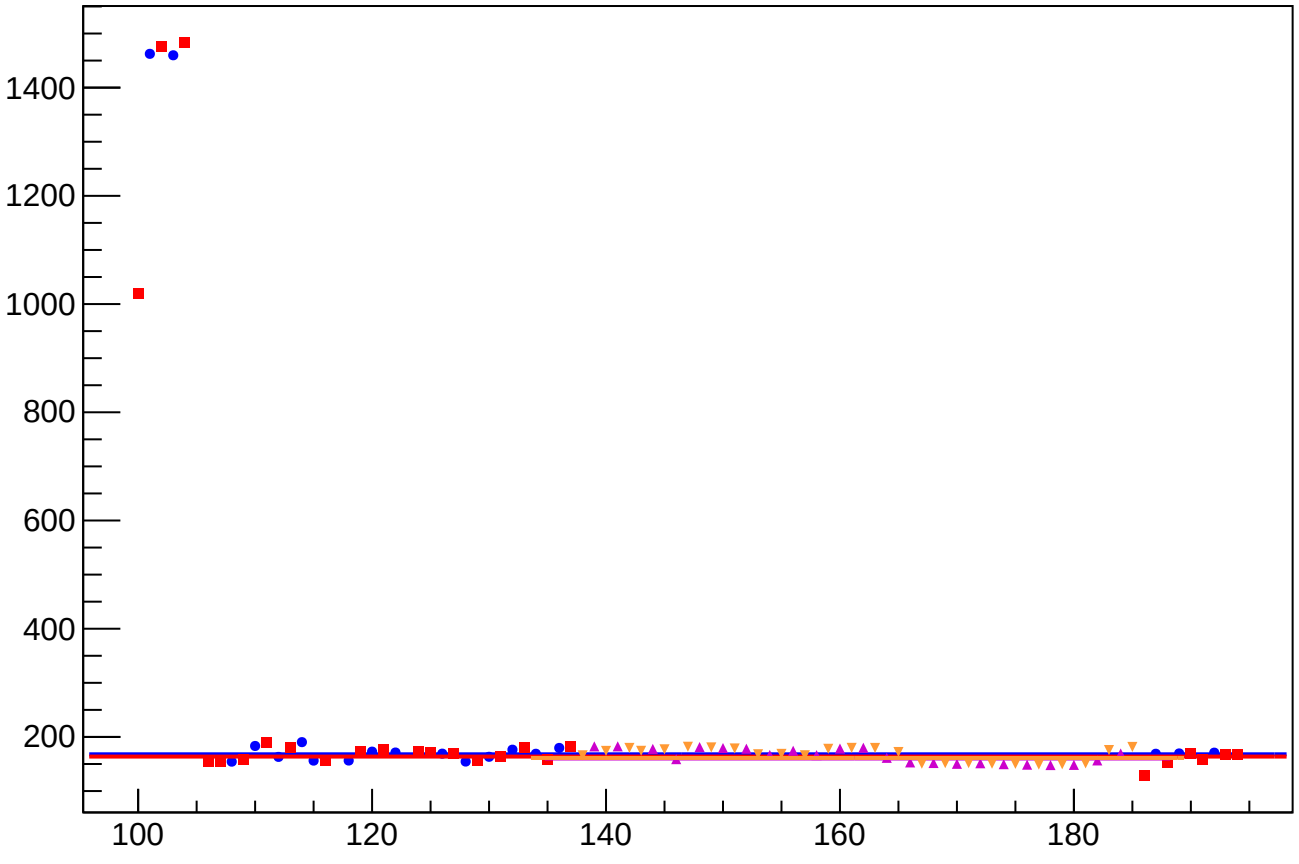
Right: 0.067+/-0.000 χ^2/NDF: 23497944.4/43

In: 0.116+/-0.000 χ^2/NDF:33488873.6/41

Out: 0.112+/-0.000 χ^2/NDF:37448036.2/49

All: 0.114+/-0.000 χ^2/NDF: 70949749.8/91

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.914+/-0.000 χ^2/NDF: 14631492301.1/18

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 163.723+/-0.000 χ^2/NDF: 17353275534.9/24

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

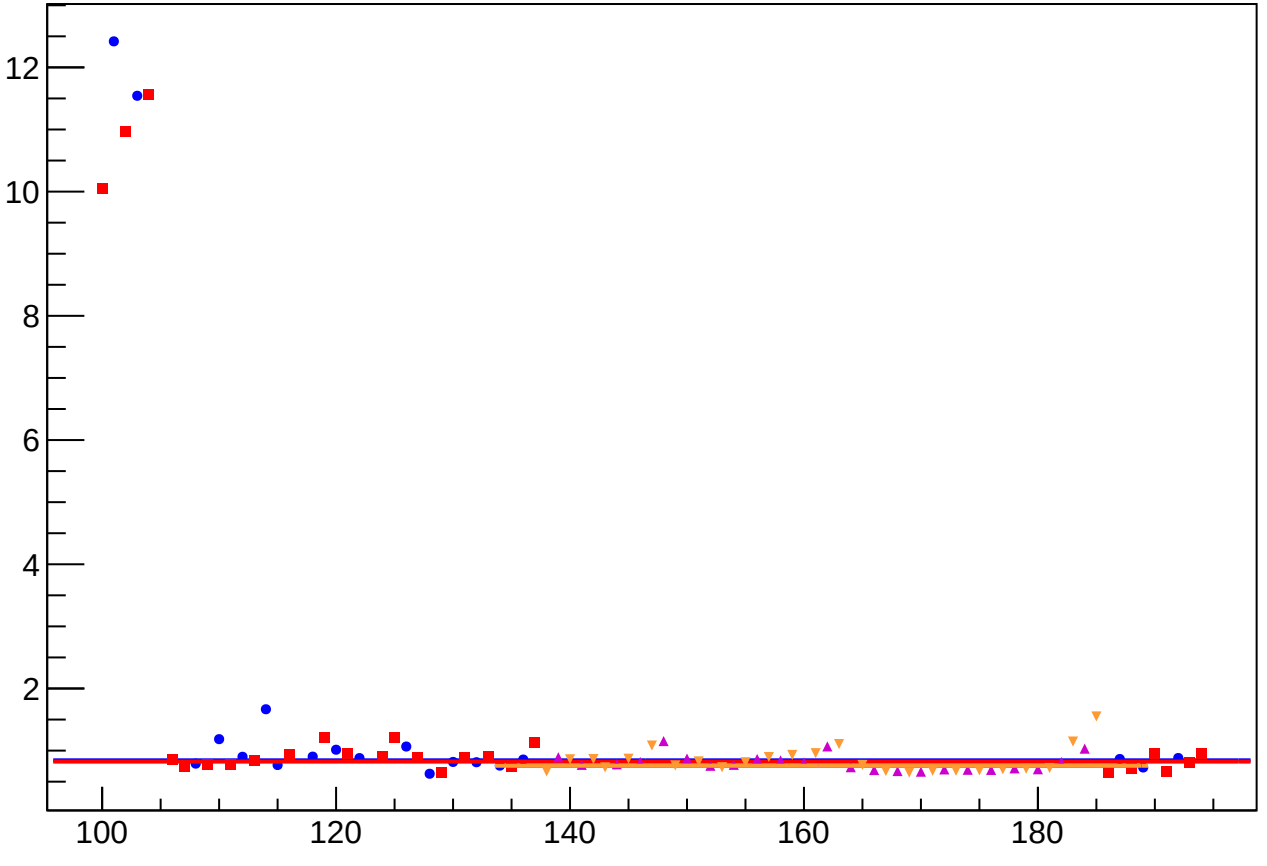
Right: 165.482+/-0.000 χ^2/NDF: 32059697860.6/43

In: 161.986+/-0.000 χ^2/NDF:18708542198.7/41

Out: 161.902+/-0.000 χ^2/NDF:21139982706.8/49

All: 161.942+/-0.000 χ^2/NDF: 39848640428.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.844+/-0.000 χ^2/NDF: 2327865.0/18

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

Right Out: 0.823+/-0.000 χ^2/NDF: 2371684.3/24

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

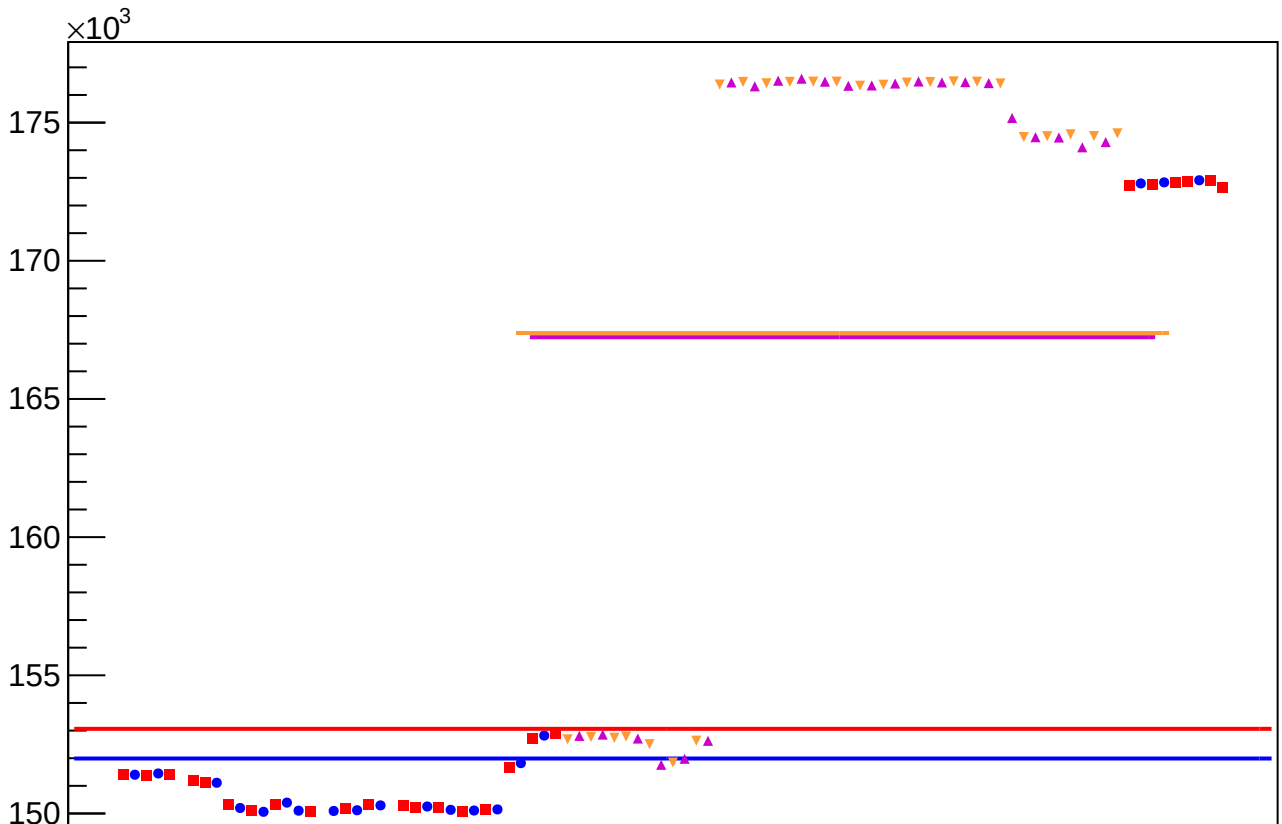
Right: 0.832+/-0.000 χ^2/NDF: 4703155.4/43

In: 0.776+/-0.000 χ^2/NDF:2887703.1/41

Out: 0.776+/-0.000 χ^2/NDF:3185882.2/49

All: 0.776+/-0.000 χ^2/NDF: 6073594.0/91

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 151989.740+/-0.053 χ^2/NDF: 10866852208.0/18

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 153063.735+/-0.048 χ^2/NDF: 21581237330.1/24

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

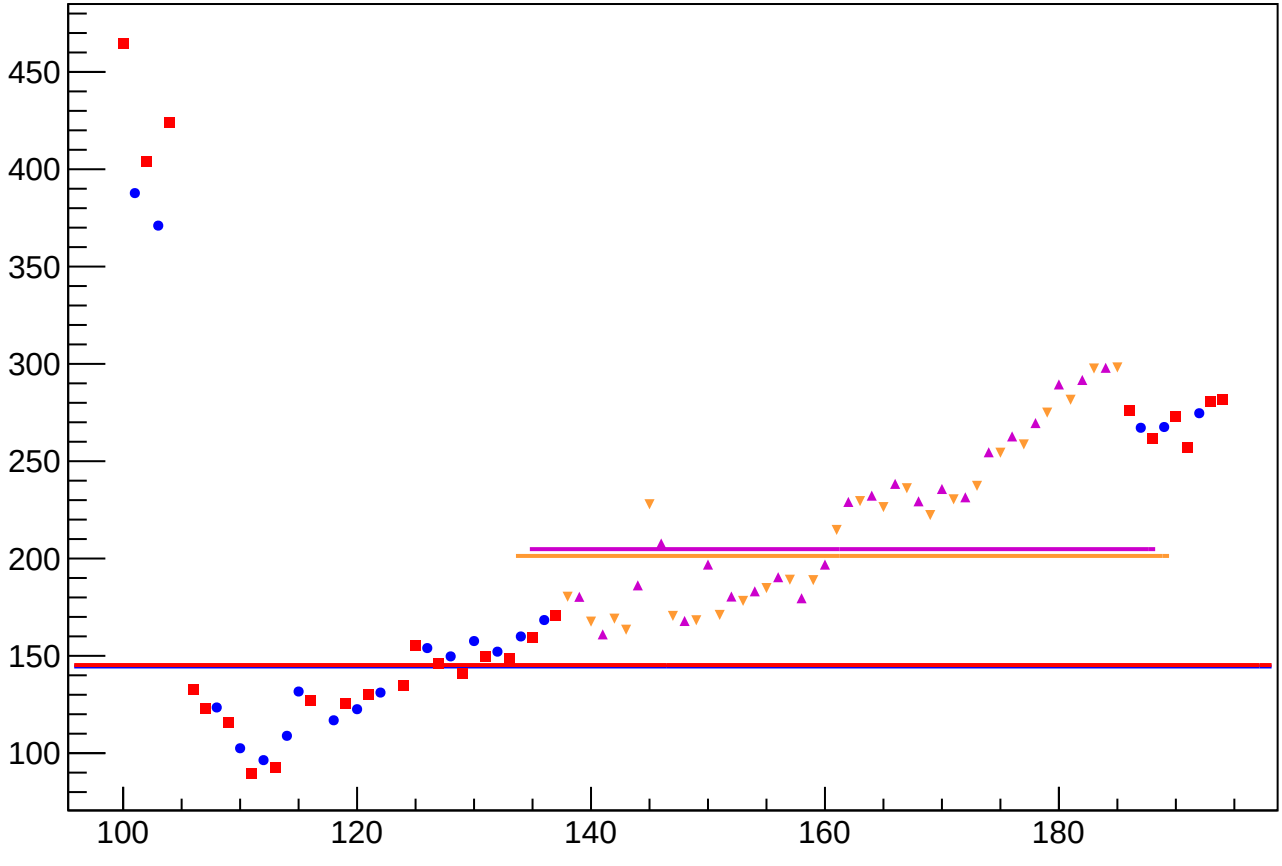
Right: 152577.919+/-0.036 χ^2/NDF: 32674316726.

In: 160206.422+/-0.036 χ^2/NDF:110824336783.1

Out: 160419.886+/-0.033 χ^2/NDF:126862842491.

All: 160320.488+/-0.024 χ^2/NDF: 23770609

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 144.535+/-0.037 χ^2/NDF: 2202556.1/18

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 145.267+/-0.034 χ^2/NDF: 3401488.3/24

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

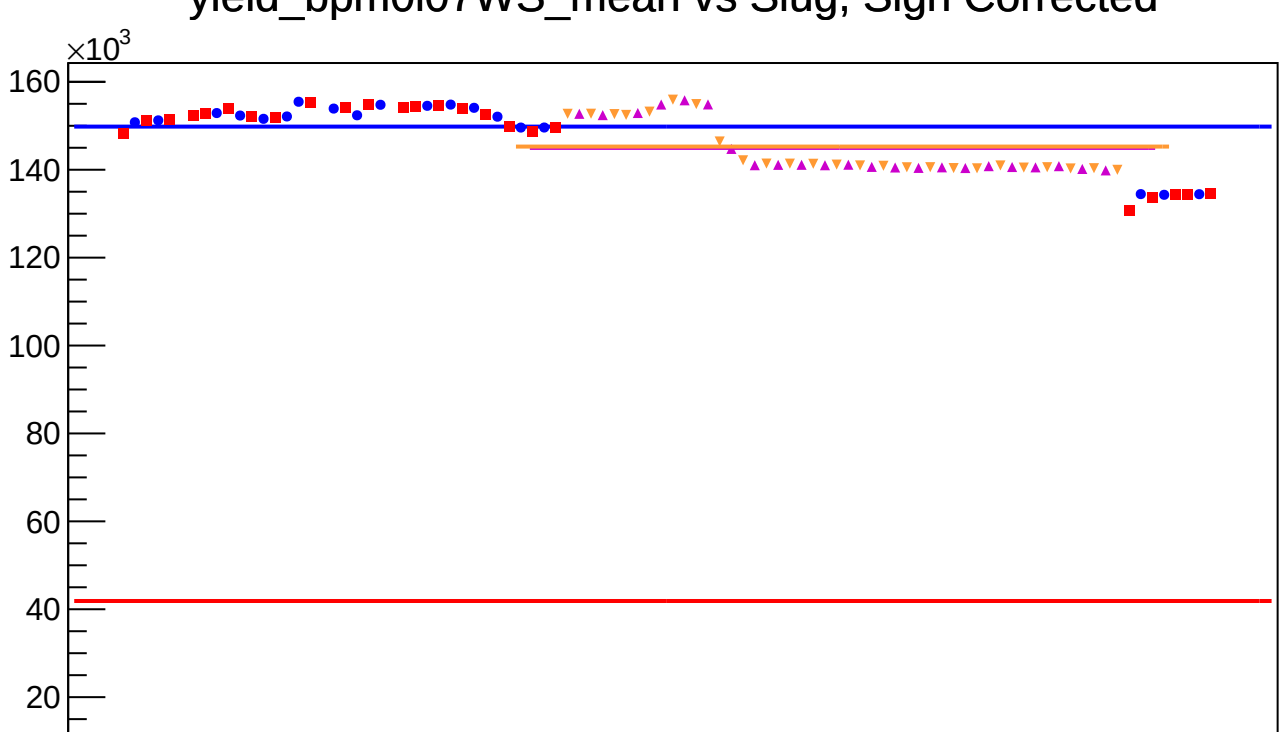
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 144.936+/-0.025 χ^2/NDF: 5604254.7/43

In: 177.031+/-0.025 χ^2/NDF:4658980.6/41

Out: 174.062+/-0.024 χ^2/NDF:6031990.6/49

All: 175.445+/-0.017 χ^2/NDF: 10698290.3/91



Right In: 149814.480+/-0.067 χ^2/NDF: 10063686322.2/18

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 41878.284+/-0.035 χ^2/NDF: 4746472266469.2/24

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

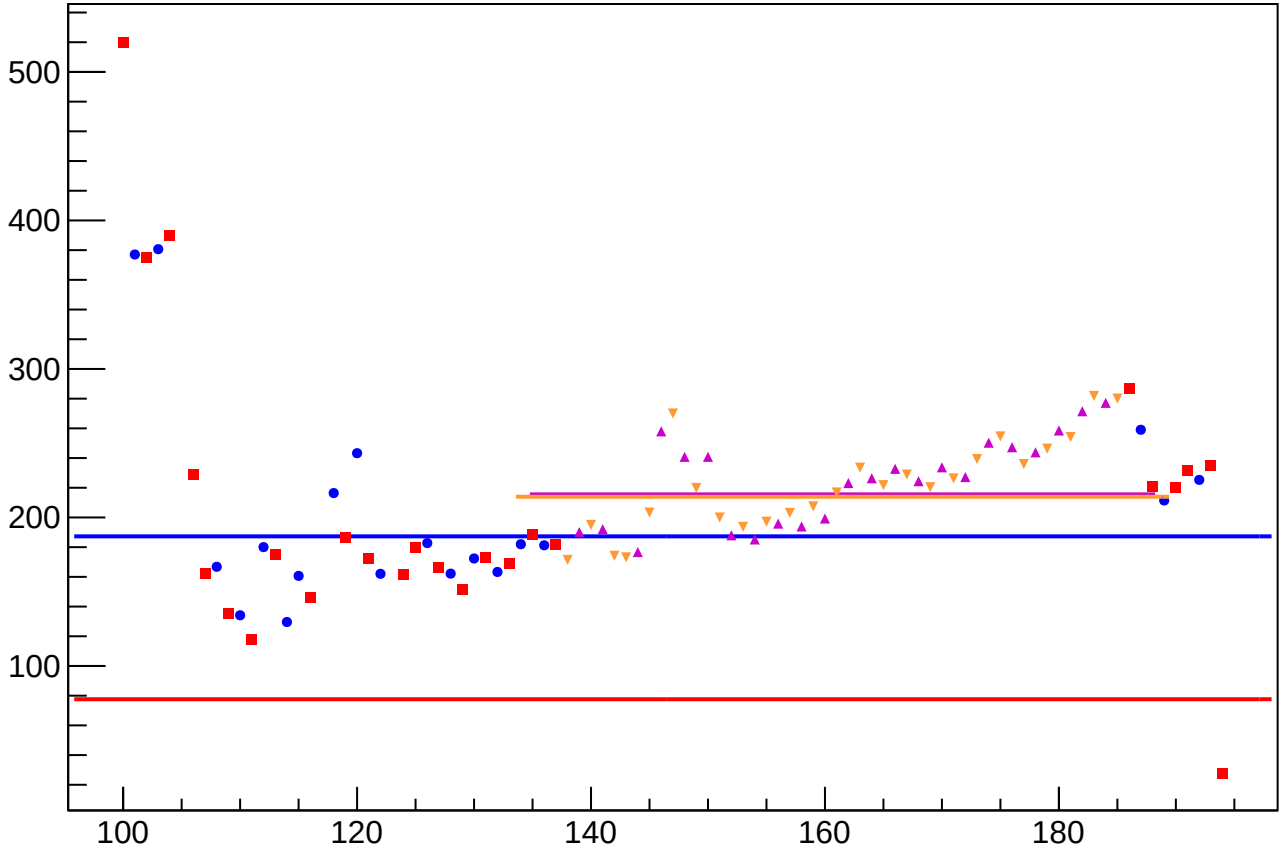
Right: 64664.807+/-0.031 χ^2/NDF: 6808281094226

In: 146756.349+/-0.041 χ^2/NDF:26528014002.3/4

Out: 75947.395+/-0.028 χ^2/NDF:7698668279854.

All: 99104.790+/-0.023 χ^2/NDF: 976537069

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 187.286+/-0.047 χ^2/NDF: 1019683.6/18

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 77.603+/-0.024 χ^2/NDF: 10023479.0/24

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

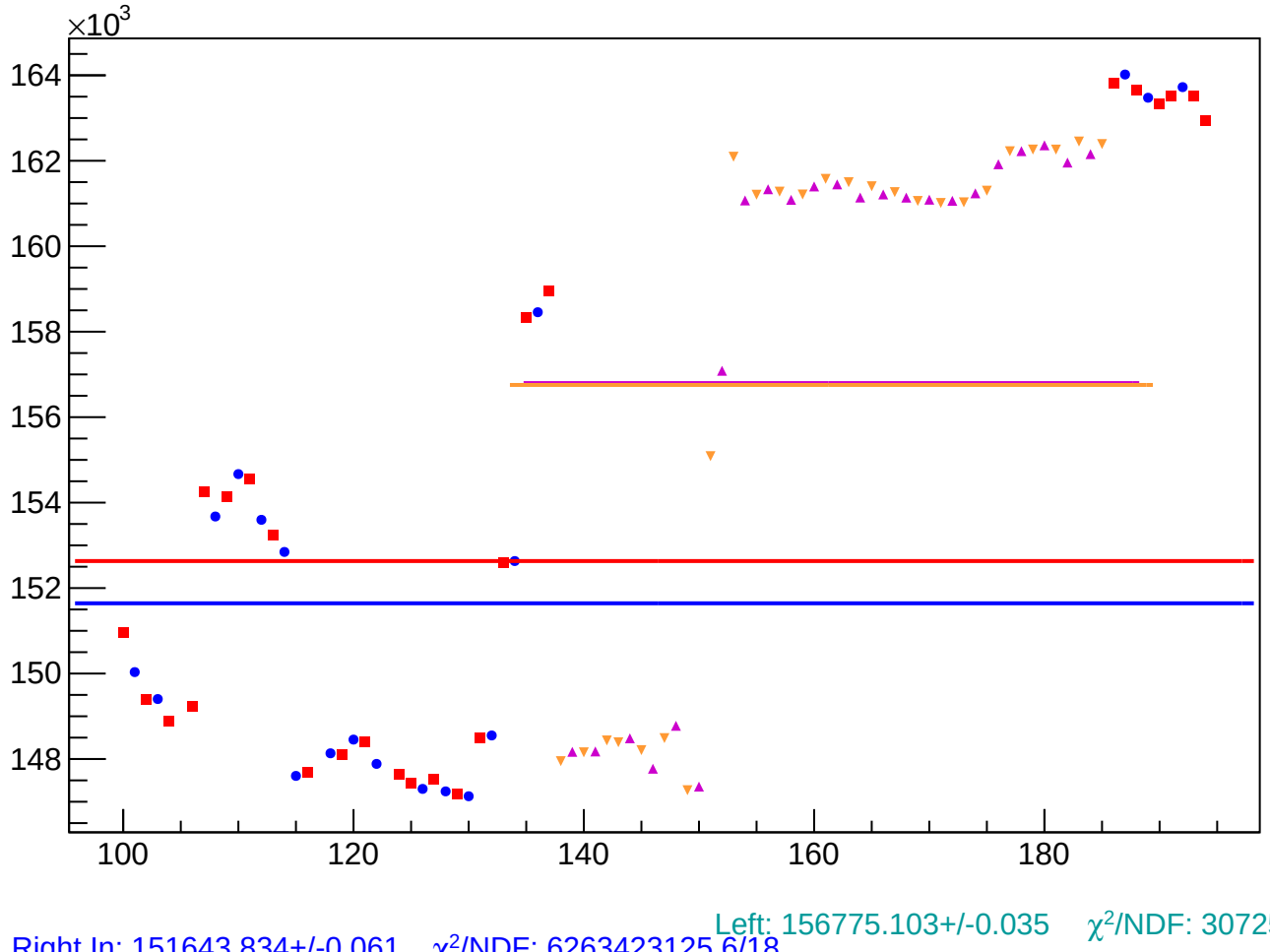
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 100.758+/-0.022 χ^2/NDF: 15280557.7/43

In: 205.107+/-0.029 χ^2/NDF:1845065.1/41

Out: 122.532+/-0.020 χ^2/NDF:20894855.9/49

All: 149.537+/-0.016 χ^2/NDF: 28289072.7/91



Right In: 151643.834+/-0.061 χ^2/NDF: 6263423125.6/18

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 152632.975+/-0.056 χ^2/NDF: 8849342749.8/24

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

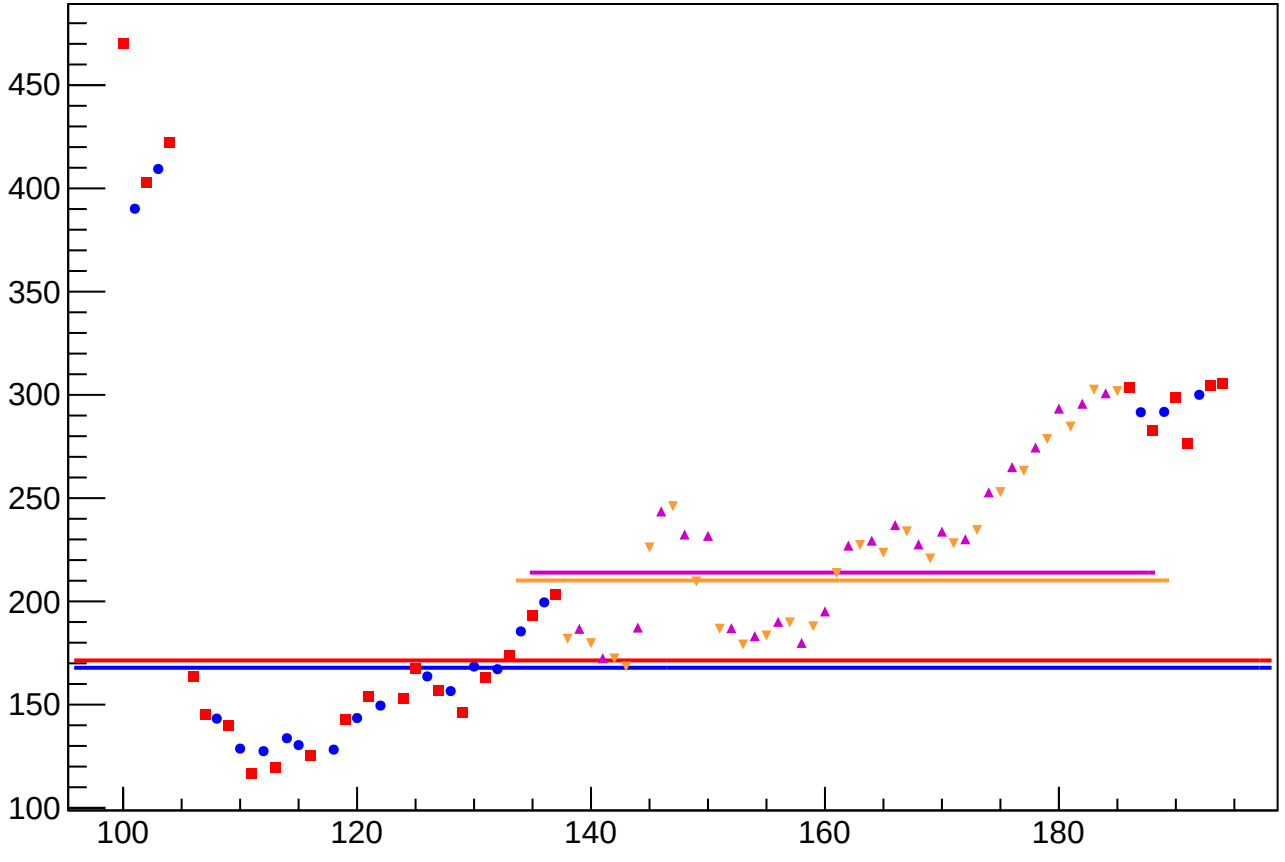
Right: 152177.595+/-0.041 χ^2/NDF: 15256314922.1

In: 154665.321+/-0.039 χ^2/NDF:24841753237.6/4

Out: 154982.680+/-0.037 χ^2/NDF:28316261961.6

All: 154833.565+/-0.027 χ^2/NDF: 53193100

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 167.863+/-0.043 χ^2/NDF: 1876081.6/18

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

Right Out: 171.404+/-0.040 χ^2/NDF: 2744486.7/24

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

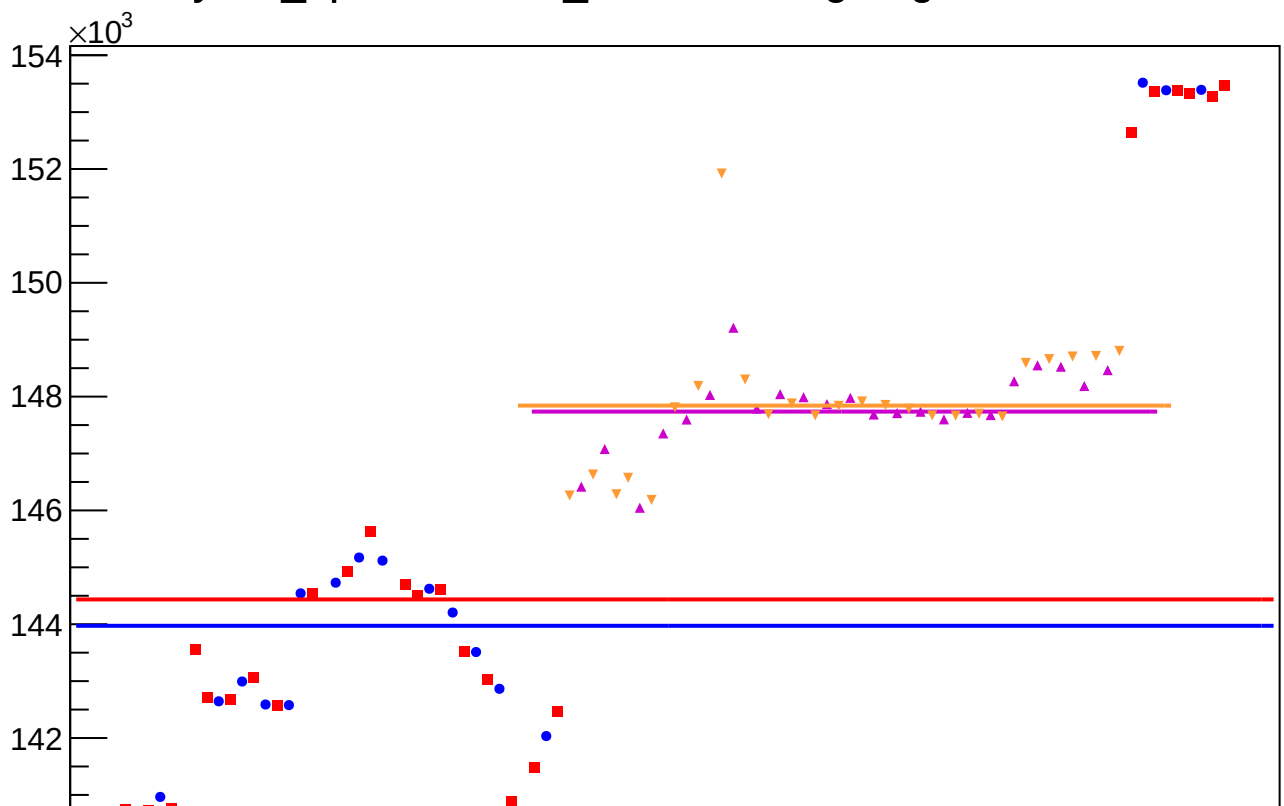
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

Right: 169.774+/-0.029 χ^2/NDF: 4624246.3/43

In: 194.877+/-0.028 χ^2/NDF:3467484.6/41

Out: 193.490+/-0.026 χ^2/NDF:4287629.7/49

All: 194.142+/-0.019 χ^2/NDF: 7756455.5/91



Right In: 143972.217+/-0.051 χ^2/NDF: 2890930434.2/18

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 144435.743+/-0.047 χ^2/NDF: 5274961661.6/24

Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

Left: 147791.782+/-0.033 χ^2/NDF: 942750848.6/47

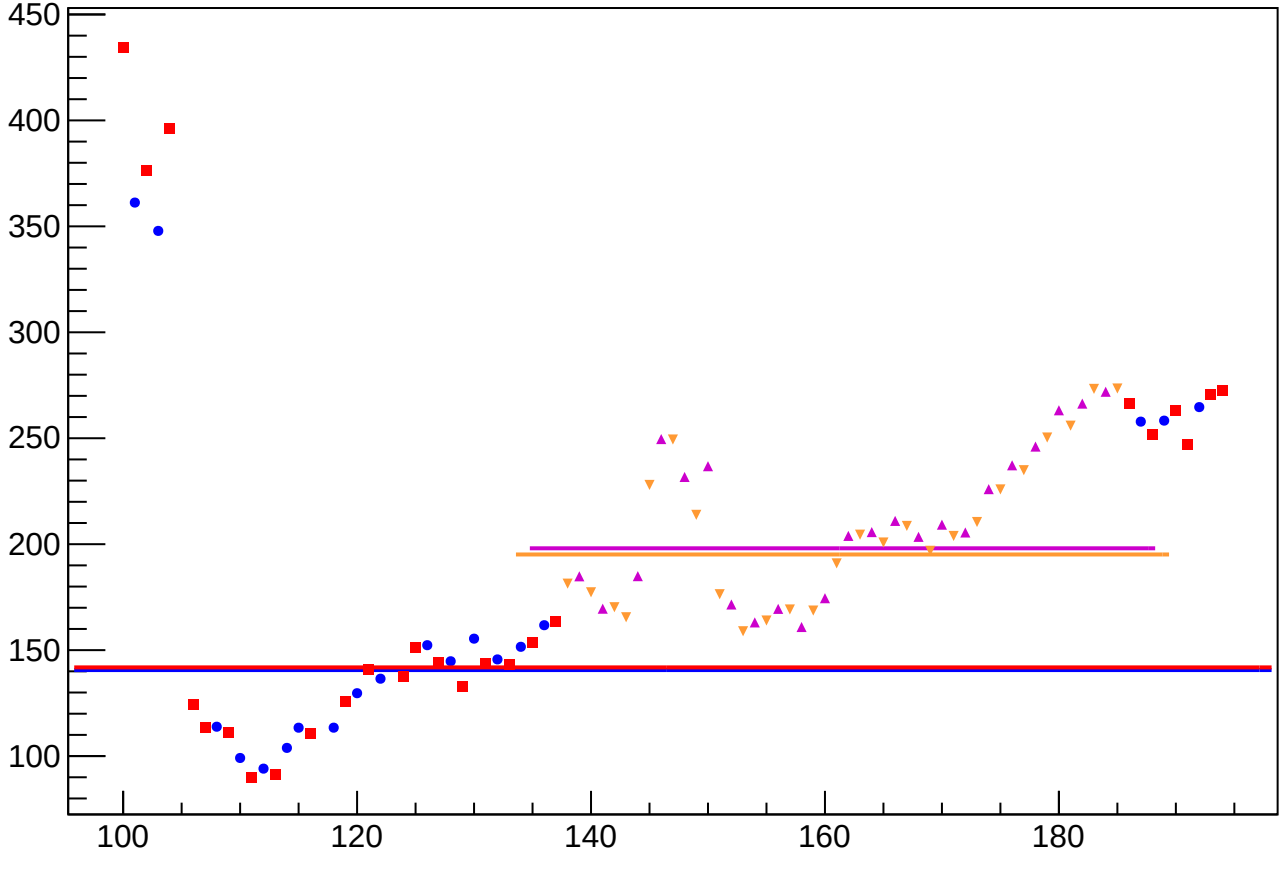
Right: 144225.708+/-0.035 χ^2/NDF: 8210407151.0/

In: 146014.341+/-0.035 χ^2/NDF:6030469405.5/41

Out: 146199.547+/-0.032 χ^2/NDF:8735215350.6/4

All: 146113.209+/-0.024 χ^2/NDF: 14780846

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 140.594+/-0.036 χ^2/NDF: 2150547.2/18

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

Right Out: 141.857+/-0.033 χ^2/NDF: 3284716.1/24

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

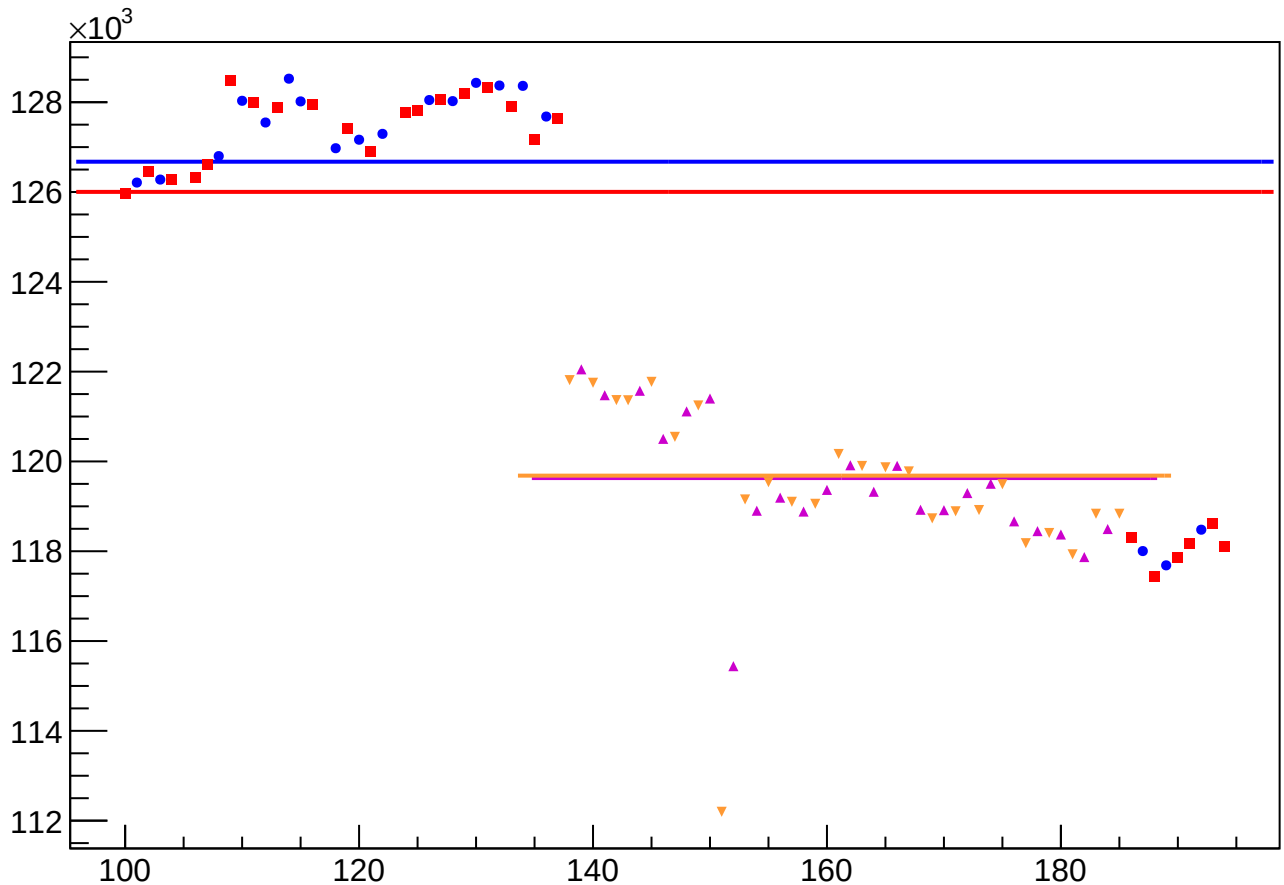
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 141.285+/-0.024 χ^2/NDF: 5435924.1/43

In: 171.766+/-0.025 χ^2/NDF:4408098.8/41

Out: 169.449+/-0.023 χ^2/NDF:5533289.6/49

All: 170.529+/-0.017 χ^2/NDF: 9946132.8/91



Right In: 126674.949+/-0.055 χ^2/NDF: 2993308723.3/18

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 126002.884+/-0.050 χ^2/NDF: 5713871965.1/24

Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

Left: 119656.996+/-0.032 χ^2/NDF: 3303938698.8/4

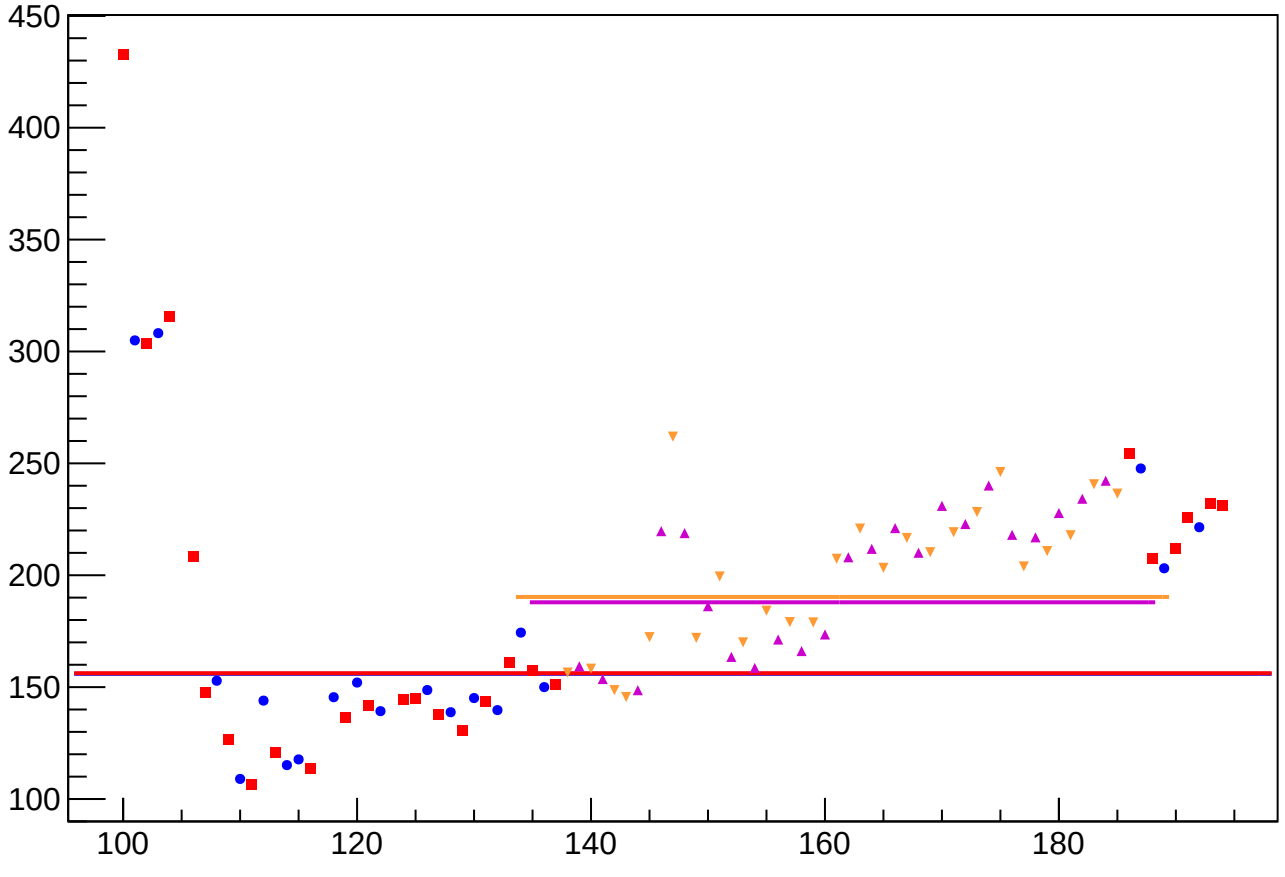
Right: 126304.529+/-0.037 χ^2/NDF: 8788953057.6/

In: 122442.883+/-0.035 χ^2/NDF:14104419096.7/4

Out: 122473.156+/-0.033 χ^2/NDF:16697187991.3

All: 122458.814+/-0.024 χ^2/NDF: 30802003

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 155.969+/-0.039 χ^2/NDF: 1134541.0/18

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

Right Out: 156.207+/-0.035 χ^2/NDF: 1830026.7/24

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

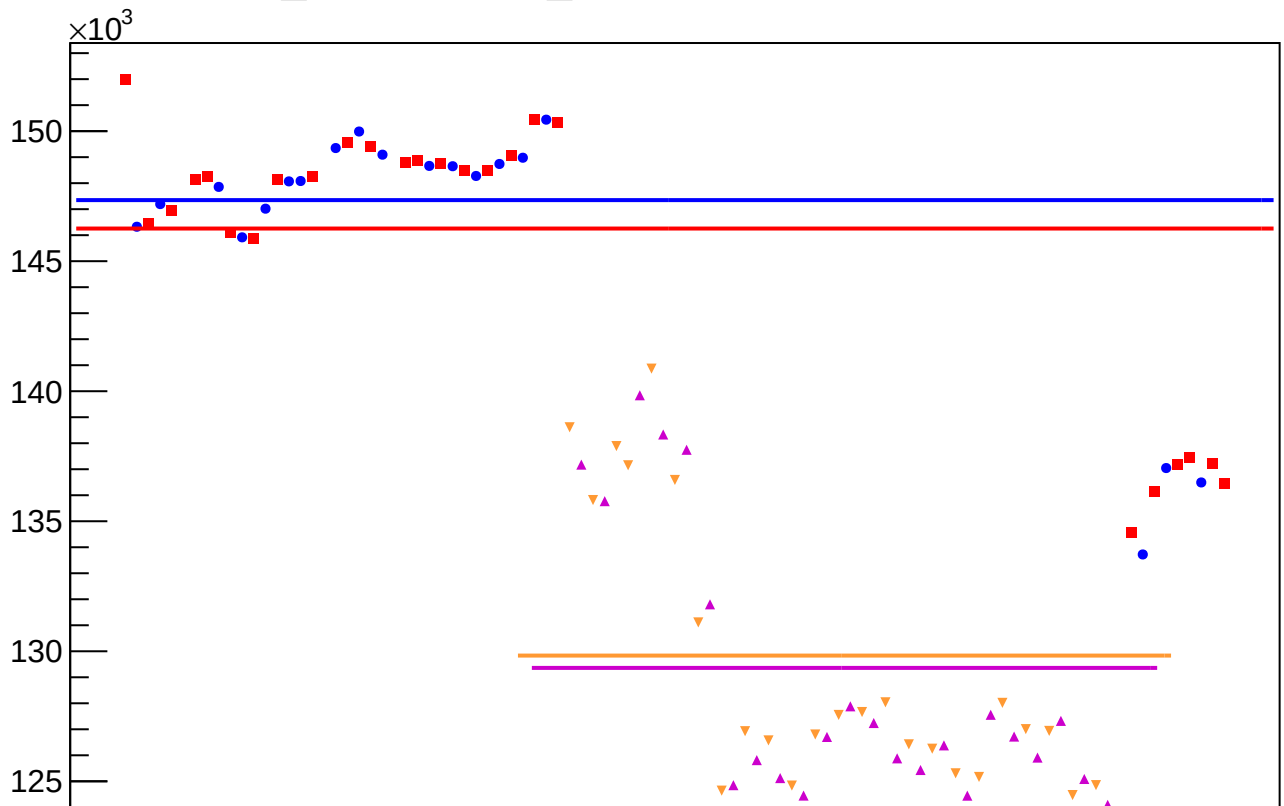
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 156.100+/-0.026 χ^2/NDF: 2964588.4/43

In: 175.155+/-0.025 χ^2/NDF:2463157.4/41

Out: 175.249+/-0.023 χ^2/NDF:3278239.6/49

All: 175.204+/-0.017 χ^2/NDF: 5741404.6/91



Right In: 147348.381+/-0.078 χ^2/NDF: 2355204873.1/18

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 146255.444+/-0.070 χ^2/NDF: 4408435138.1/24

Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

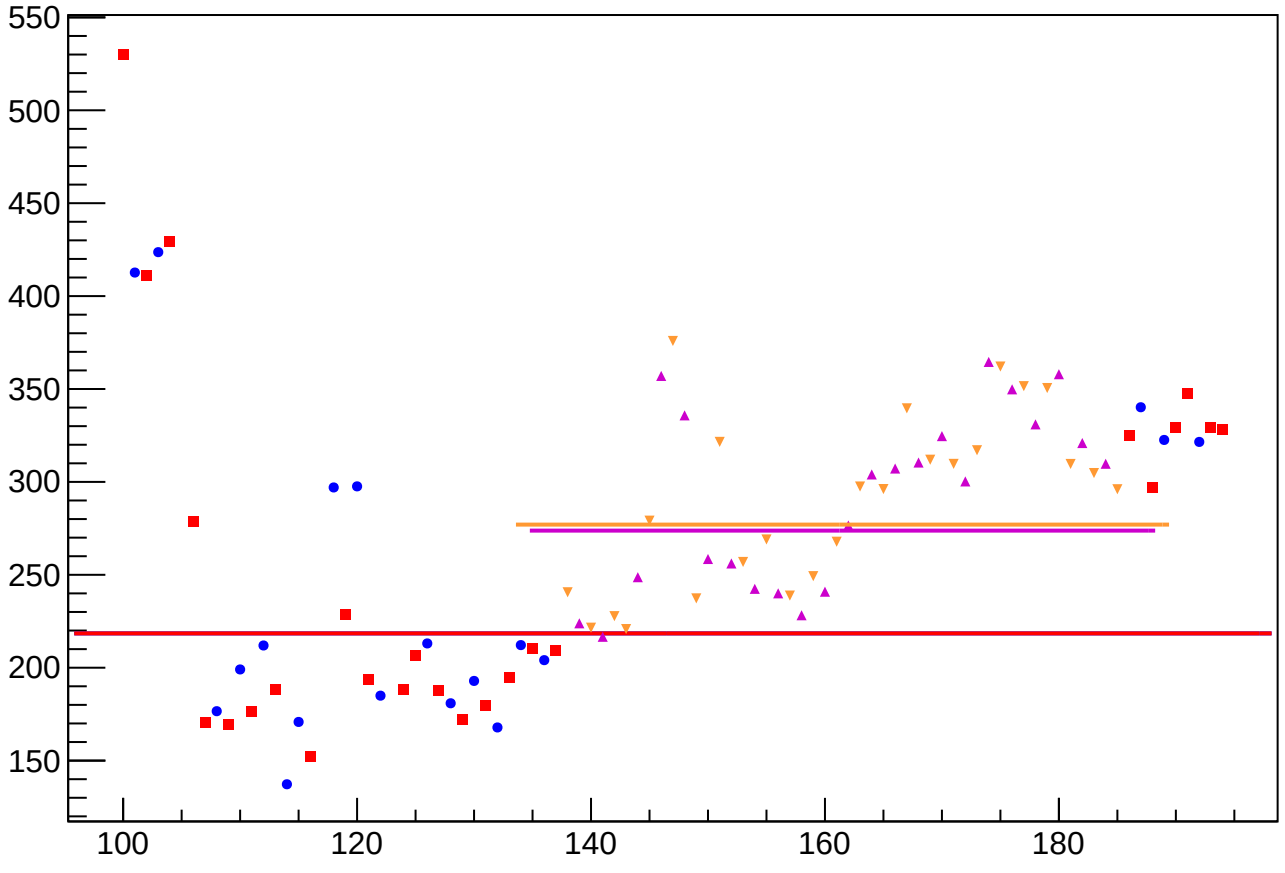
Right: 146742.028+/-0.052 χ^2/NDF: 6872962303.3/

In: 136795.596+/-0.050 χ^2/NDF:40295044843.4/4

Out: 137365.977+/-0.047 χ^2/NDF:41209566494.9

All: 137097.314+/-0.034 χ^2/NDF: 81573293

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 218.462+/-0.055 χ^2/NDF: 1366642.3/18

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

Right Out: 218.471+/-0.049 χ^2/NDF: 1791860.6/24

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

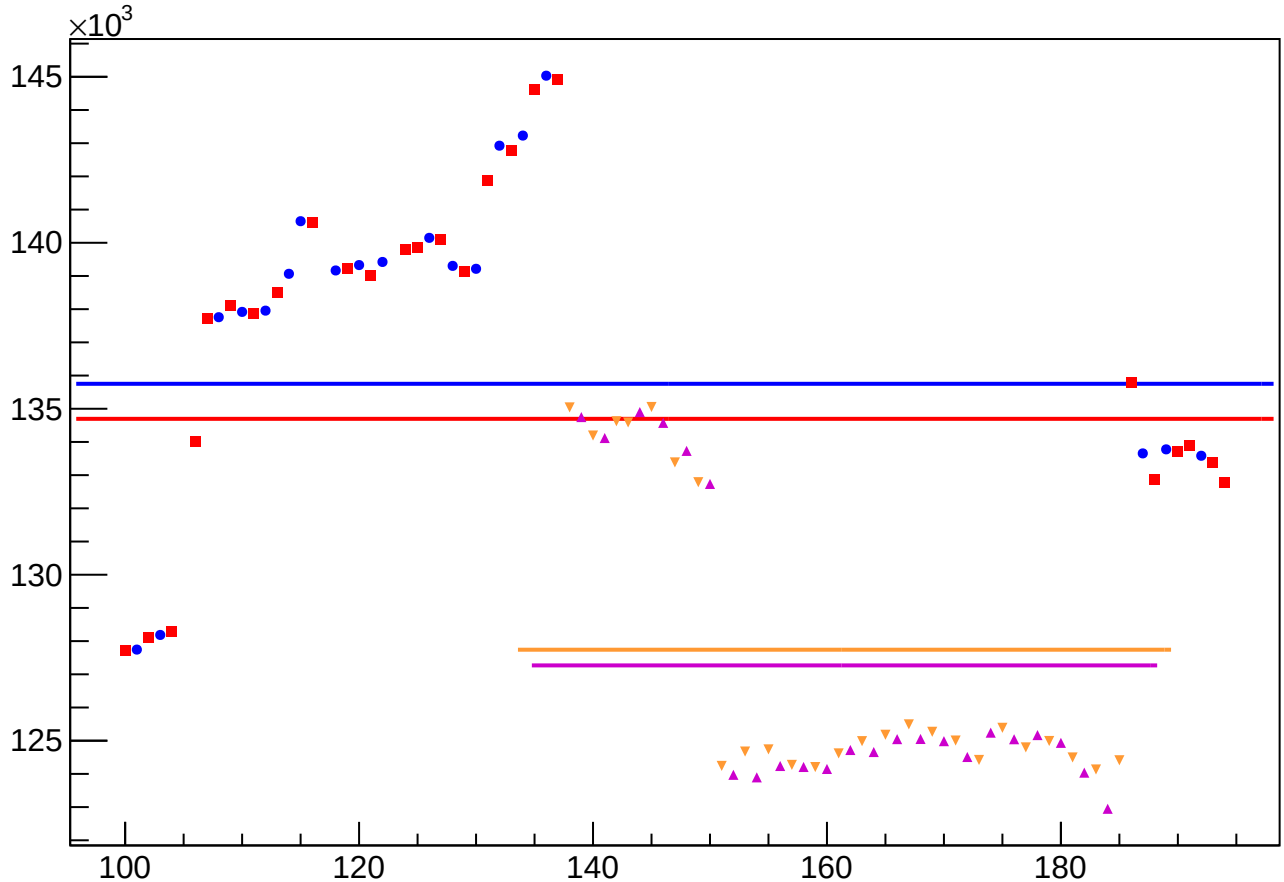
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 218.467+/-0.037 χ^2/NDF: 3158503.0/43

In: 250.918+/-0.035 χ^2/NDF:2962933.0/41

Out: 250.167+/-0.033 χ^2/NDF:3501451.7/49

All: 250.520+/-0.024 χ^2/NDF: 6464622.8/91



Right In: 135751.830+/-0.147 χ^2/NDF: 1641209359.3/18

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 134696.369+/-0.131 χ^2/NDF: 1272887824.8/24

Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

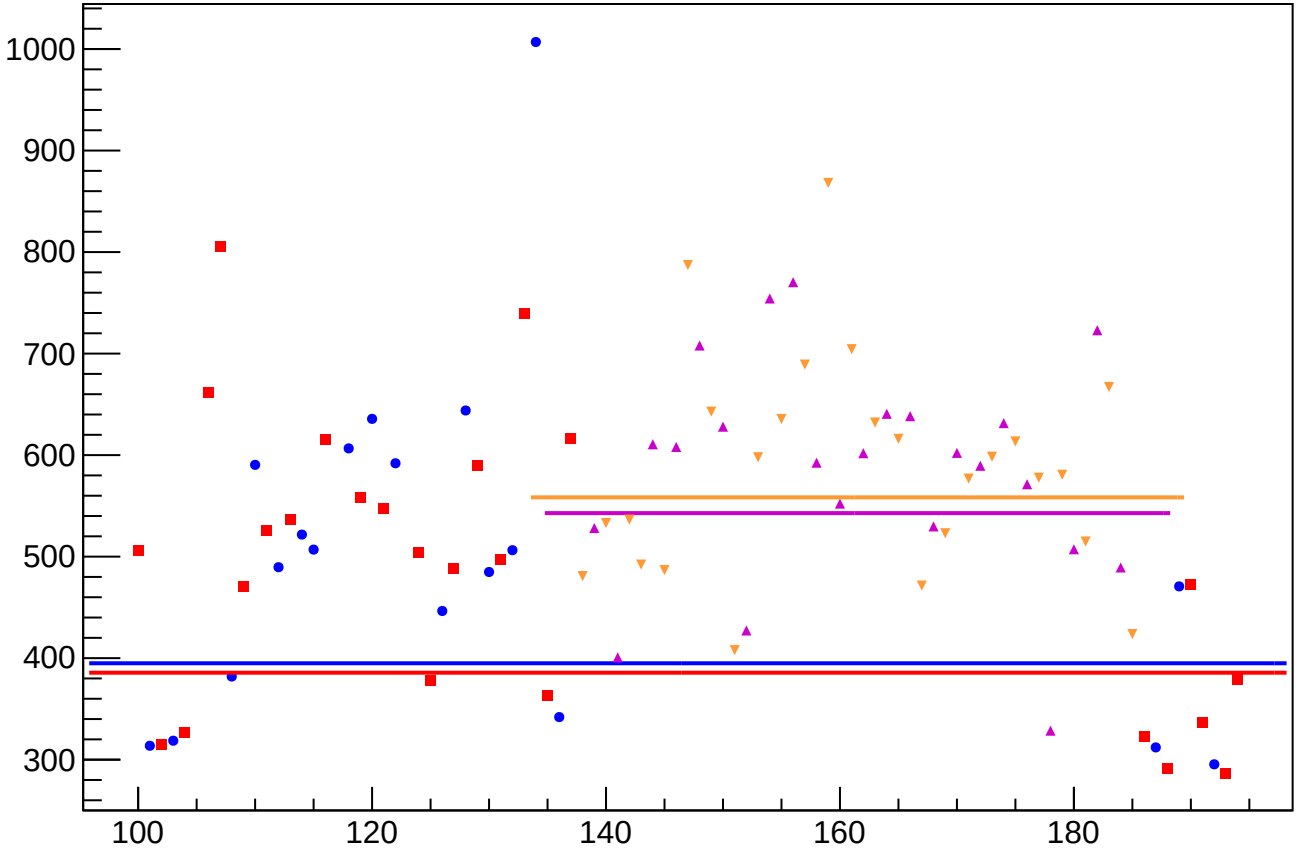
Right: 135160.522+/-0.098 χ^2/NDF: 2942829981.4/

In: 131249.981+/-0.101 χ^2/NDF:4370852607.1/41

Out: 131349.369+/-0.094 χ^2/NDF:3730757005.2/4

All: 131303.196+/-0.069 χ^2/NDF: 81021284

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 394.956+/-0.104 χ^2/NDF: 1251820.8/18

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

Right Out: 385.681+/-0.092 χ^2/NDF: 1453832.3/24

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

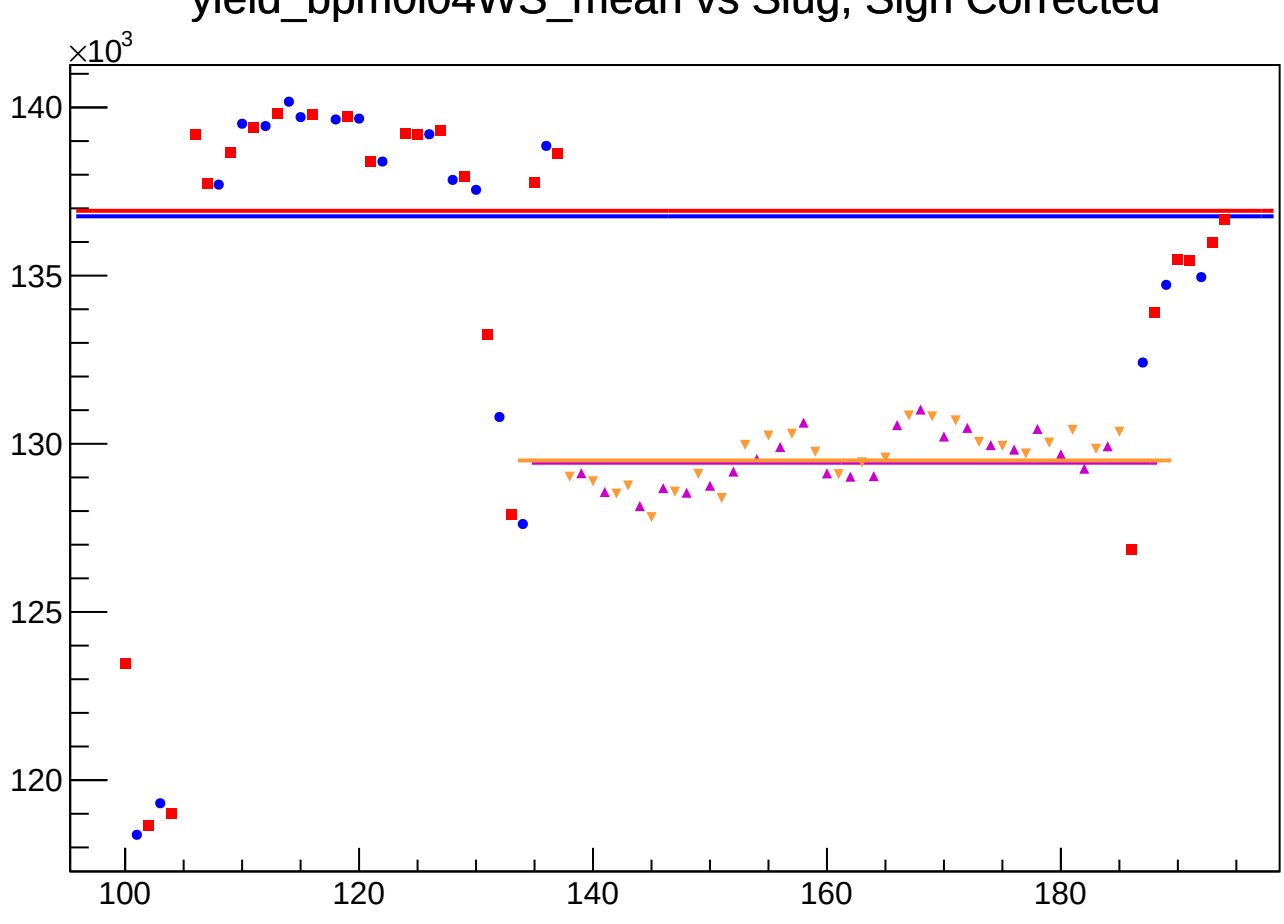
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 389.760+/-0.069 χ^2/NDF: 2710090.5/43

In: 473.451+/-0.071 χ^2/NDF:3737594.4/41

Out: 468.784+/-0.067 χ^2/NDF:4105546.8/49

All: 470.952+/-0.049 χ^2/NDF: 7845428.9/91



Right In: 136763.091+/-0.067 χ^2/NDF: 5914293644.0/18

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136927.462+/-0.061 χ^2/NDF: 6294495539.0/24

Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

Left: 129472.248+/-0.034 χ^2/NDF: 569486507.5/47

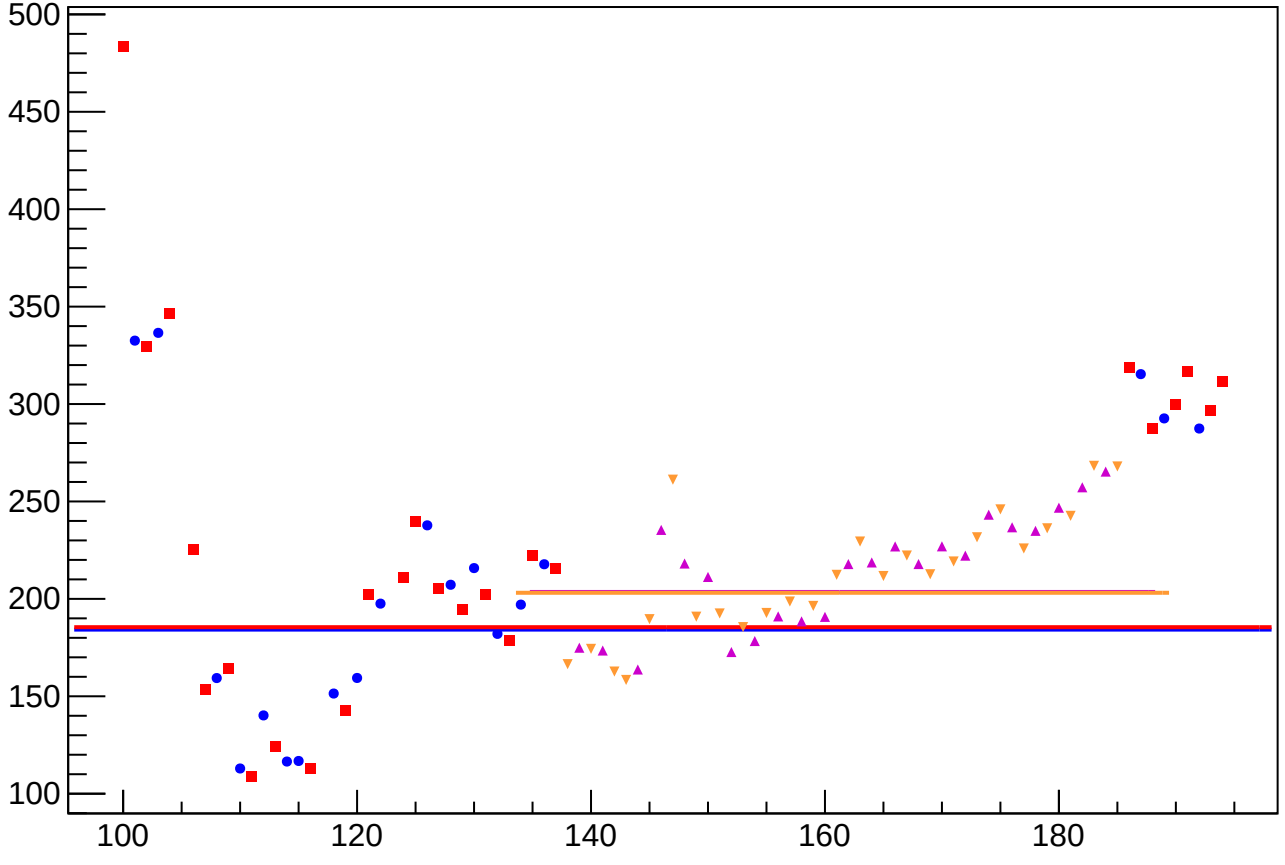
Right: 136852.939+/-0.045 χ^2/NDF: 12212116547.

In: 131970.321+/-0.039 χ^2/NDF:14093554078.6/4

Out: 132288.307+/-0.037 χ^2/NDF:15947498643.4

All: 132137.718+/-0.027 χ^2/NDF: 300757395

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 184.229+/-0.047 χ^2/NDF: 1687046.5/18

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

Right Out: 185.465+/-0.043 χ^2/NDF: 2682191.9/24

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

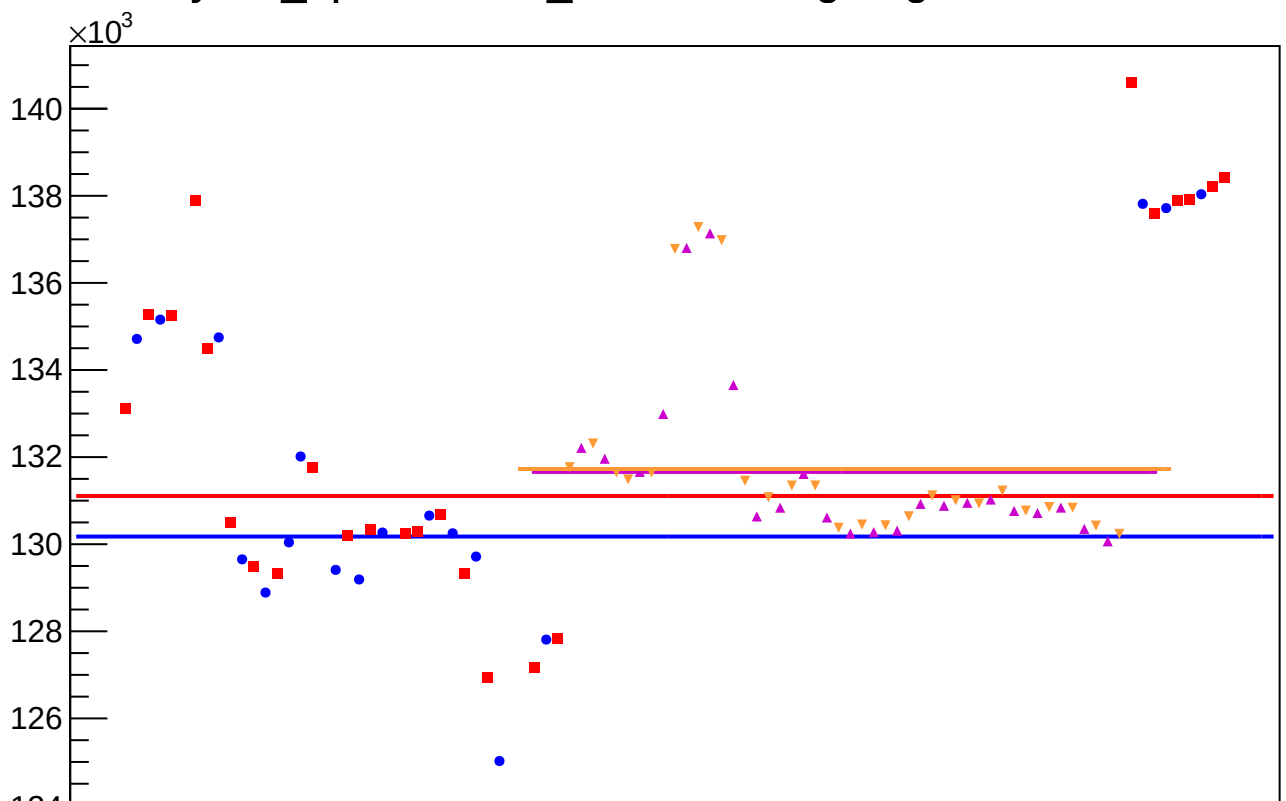
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 184.905+/-0.032 χ^2/NDF: 4369614.3/43

In: 196.868+/-0.028 χ^2/NDF:2463097.3/41

Out: 196.505+/-0.026 χ^2/NDF:3546588.0/49

All: 196.677+/-0.019 χ^2/NDF: 6009775.6/91



Right In: 130175.828+/-0.063 χ^2/NDF: 3361671215.8/18

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 131107.232+/-0.056 χ^2/NDF: 4969382583.1/24

Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

Left: 131694.721+/-0.034 χ^2/NDF: 2590408205.6/4

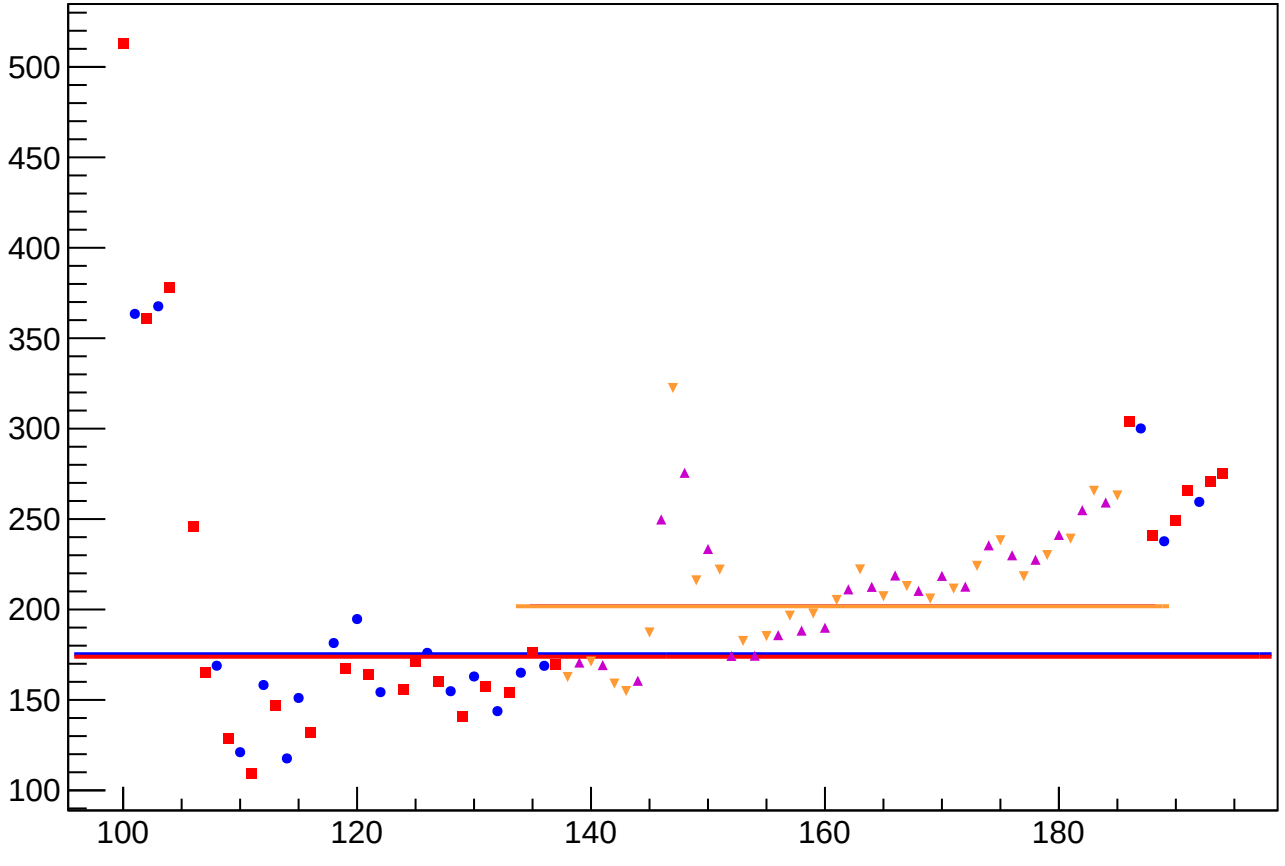
Right: 130692.376+/-0.042 χ^2/NDF: 8453220261.9/

In: 131109.960+/-0.038 χ^2/NDF:4878211182.7/41

Out: 131473.181+/-0.036 χ^2/NDF:6466146236.9/4

All: 131302.427+/-0.026 χ^2/NDF: 11392290

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 175.270+/-0.044 χ^2/NDF: 1314223.5/18

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

Right Out: 173.879+/-0.040 χ^2/NDF: 2196394.0/24

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 174.499+/-0.030 χ^2/NDF: 3511162.5/43

In: 192.055+/-0.027 χ^2/NDF:2344319.2/41

Out: 190.362+/-0.025 χ^2/NDF:3392733.8/49

All: 191.158+/-0.019 χ^2/NDF: 5739133.1/91

Right In: 131125.303+/-0.057 χ^2/NDF: 538734775.0/18

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 27383.105+/-0.023 χ^2/NDF: 4781367050563.7/24

Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

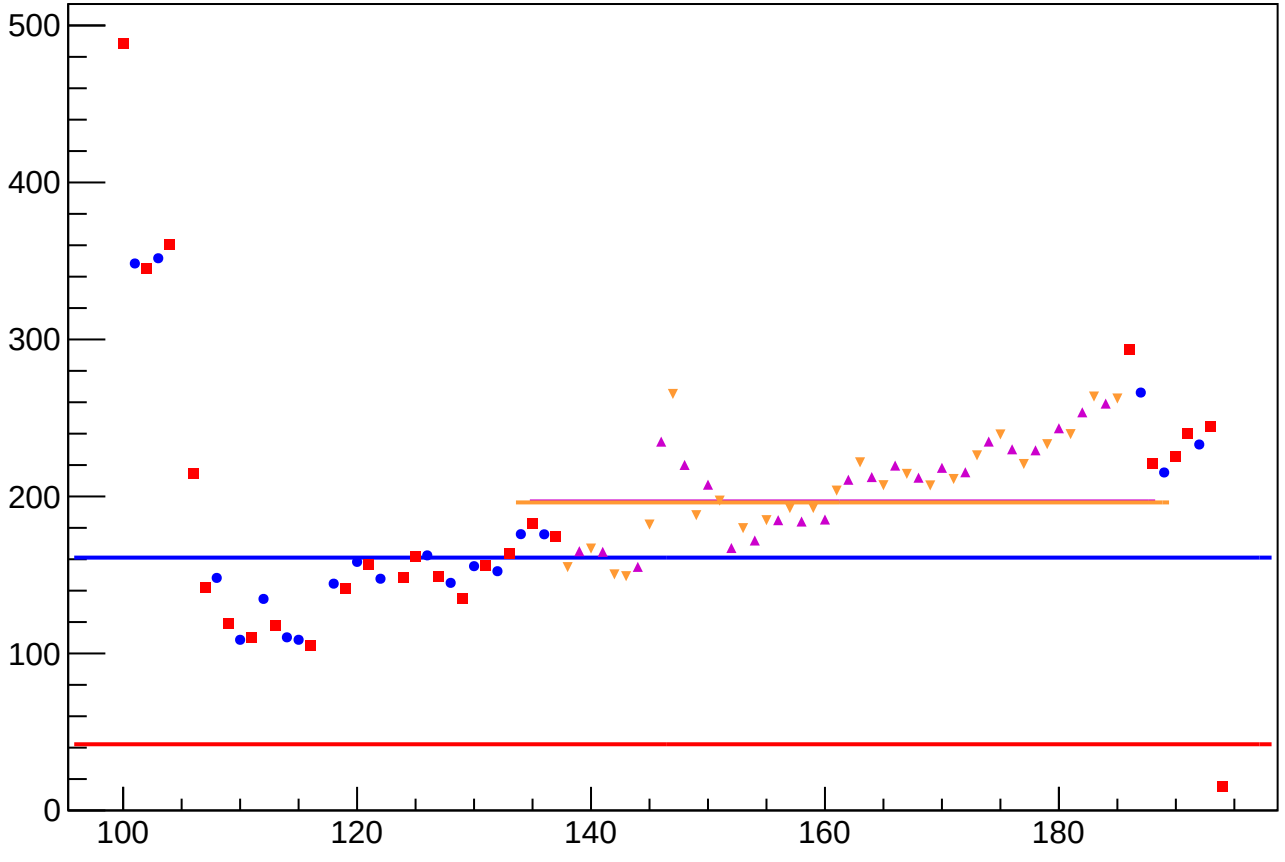
Right: 41663.257+/-0.021 χ^2/NDF: 7601433621621

In: 129721.676+/-0.036 χ^2/NDF:2192842995.0/41

Out: 47969.252+/-0.020 χ^2/NDF:8765213306064.

All: 67686.094+/-0.018 χ^2/NDF: 126140982

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 161.053+/-0.041 χ^2/NDF: 1404433.2/18

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

Right Out: 42.163+/-0.016 χ^2/NDF: 13670387.3/24

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

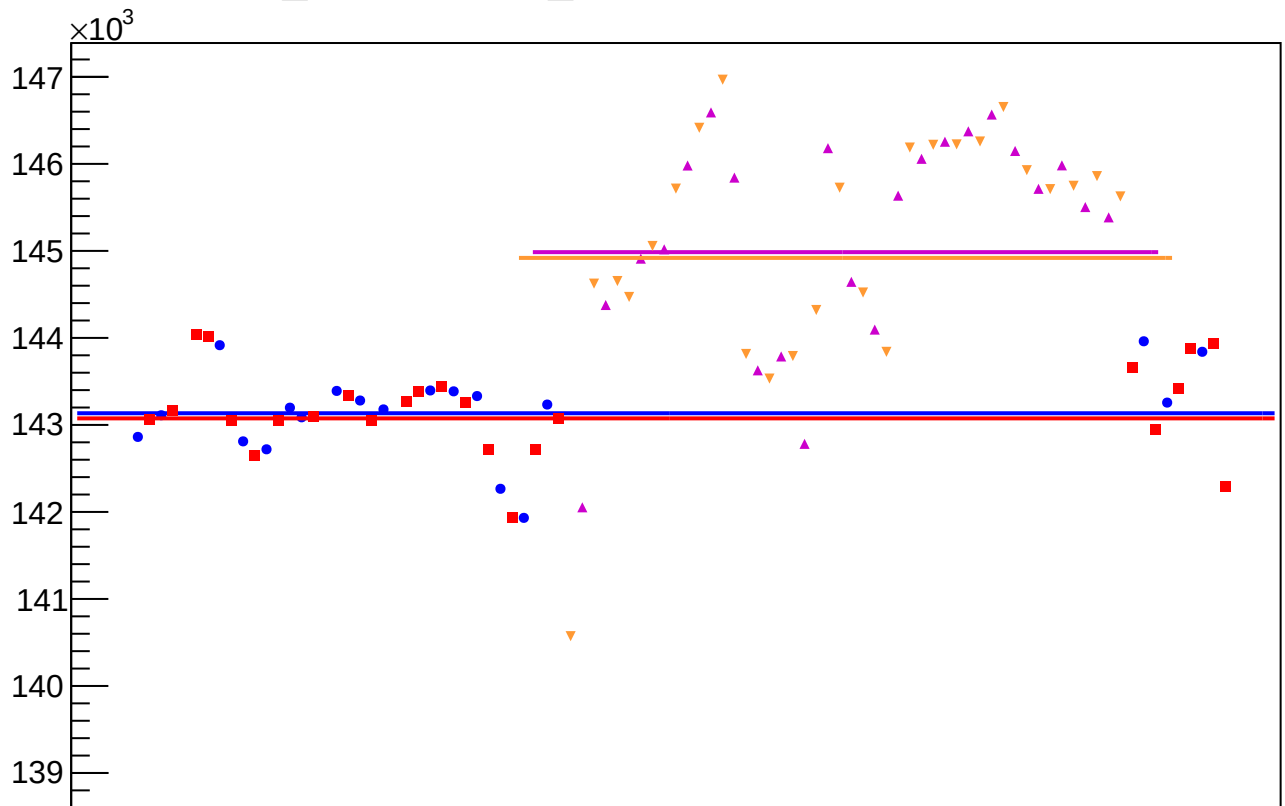
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 58.528+/-0.015 χ^2/NDF: 22480859.1/43

In: 182.506+/-0.026 χ^2/NDF:2643973.8/41

Out: 73.353+/-0.014 χ^2/NDF:32881827.5/49

All: 99.679+/-0.013 χ^2/NDF: 49240421.0/91



Right In: 143134.186+/-0.062 χ^2/NDF: 54937533.1/18

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143075.188+/-0.056 χ^2/NDF: 68783441.6/24

Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

Left: 144951.693+/-0.037 χ^2/NDF: 1455041879.5/4

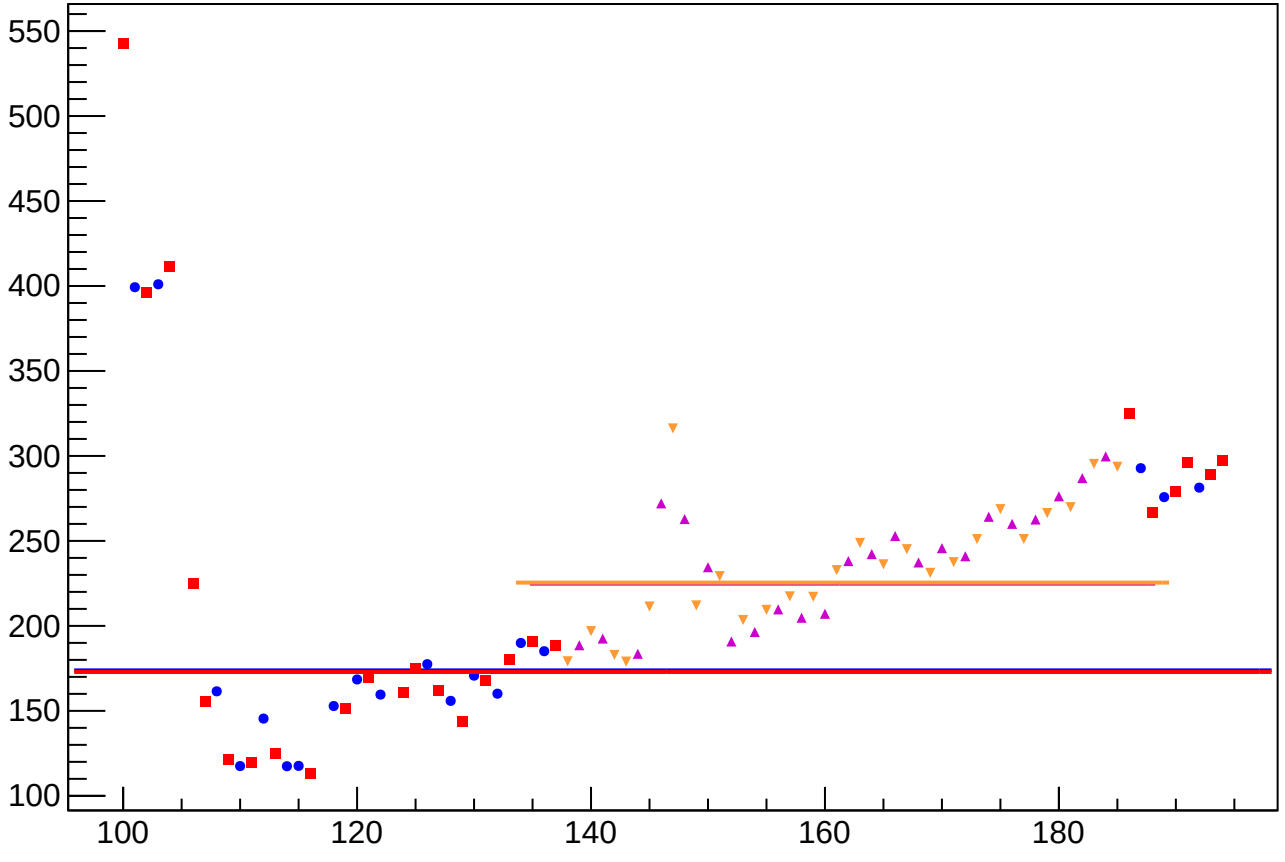
Right: 143101.698+/-0.042 χ^2/NDF: 124214331.9/4

In: 144198.946+/-0.041 χ^2/NDF:1181127711.4/41

Out: 144066.468+/-0.038 χ^2/NDF:1480943005.8/4

All: 144128.788+/-0.028 χ^2/NDF: 266770133

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 173.816+/-0.044 χ^2/NDF: 1661617.7/18

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

Right Out: 172.883+/-0.040 χ^2/NDF: 2711861.0/24

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

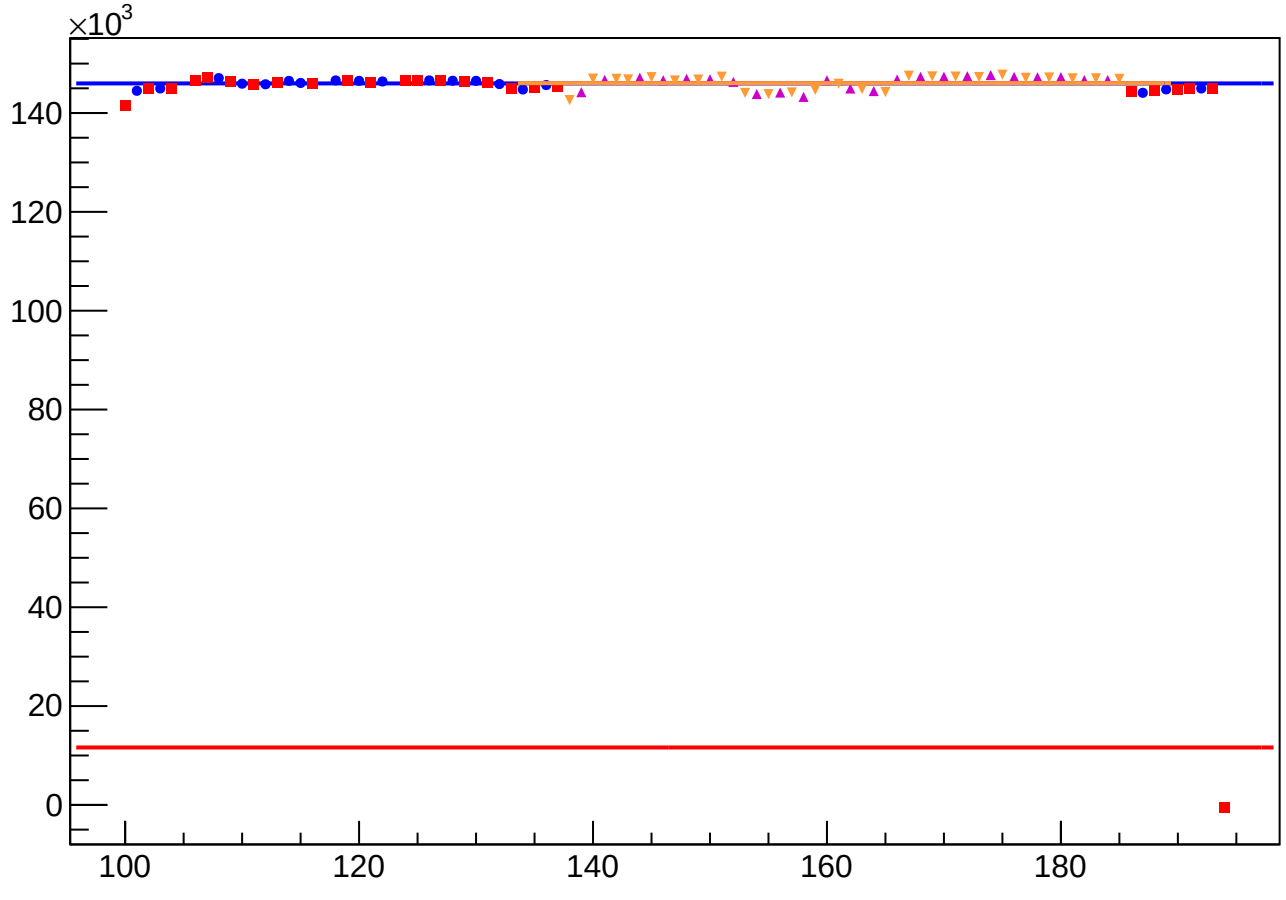
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 173.302+/-0.030 χ^2/NDF: 4373725.8/43

In: 203.177+/-0.029 χ^2/NDF:3157078.5/41

Out: 201.152+/-0.027 χ^2/NDF:4425236.0/49

All: 202.105+/-0.020 χ^2/NDF: 7584945.3/91



Right In: 145989.648+/-0.063 χ^2/NDF: 116458854.4/18

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: 11623.422+/-0.017 χ^2/NDF: 5889069182574.4/24

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

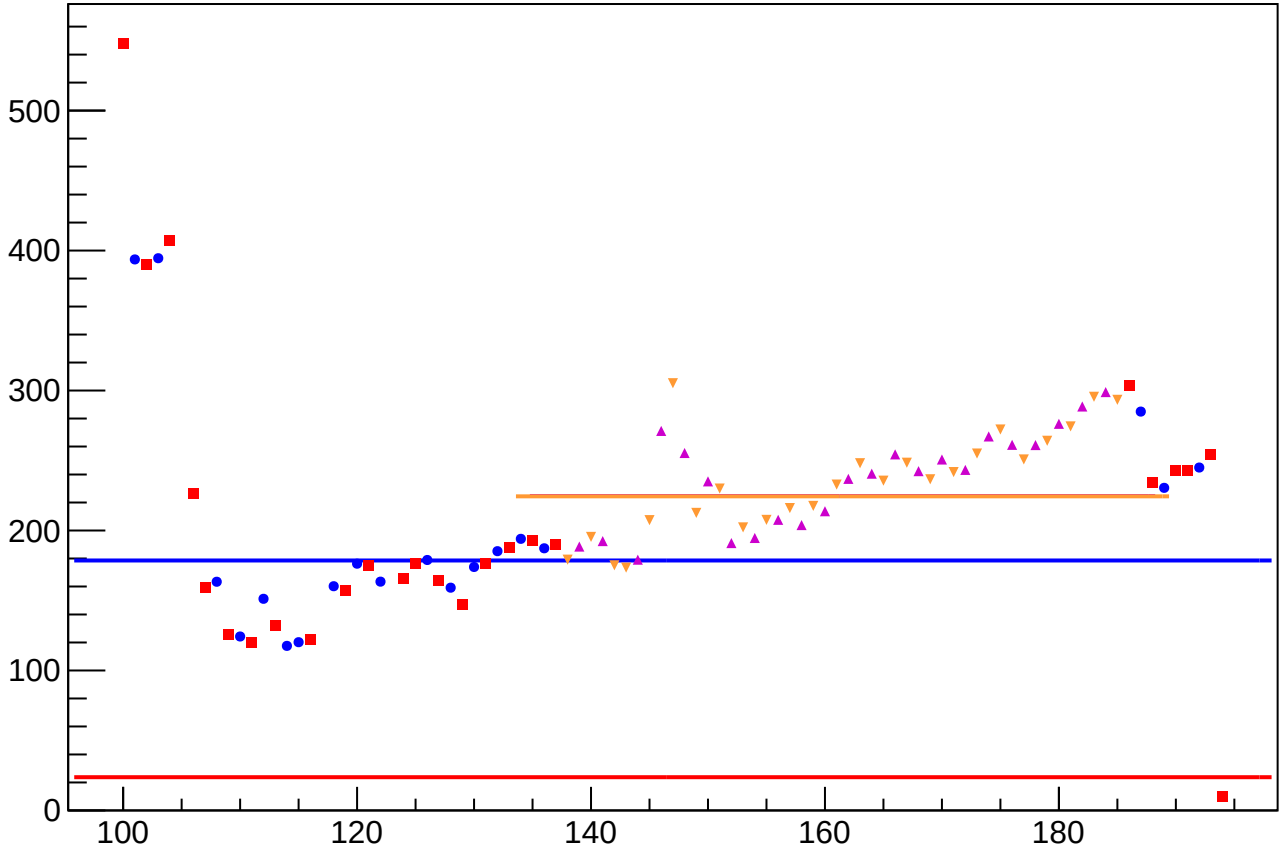
Right: 20317.480+/-0.016 χ^2/NDF: 1008607854254

In: 146028.783+/-0.041 χ^2/NDF:815854048.6/41

Out: 24164.573+/-0.016 χ^2/NDF:11946343576512

All: 40124.094+/-0.015 χ^2/NDF: 196534799

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 178.586+/-0.045 χ^2/NDF: 1335272.1/18

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

Right Out: 23.757+/-0.012 χ^2/NDF: 16375066.6/24

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 33.775+/-0.011 χ^2/NDF: 28855460.5/43

In: 205.479+/-0.029 χ^2/NDF:2708107.3/41

Out: 42.478+/-0.011 χ^2/NDF:44214629.7/49

All: 63.824+/-0.010 χ^2/NDF: 74497304.5/91

Right In: 141457.090+/-0.065 χ^2/NDF: 171651415.8/18

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: 24702.597+/-0.026 χ^2/NDF: 4688547745638.5/24

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

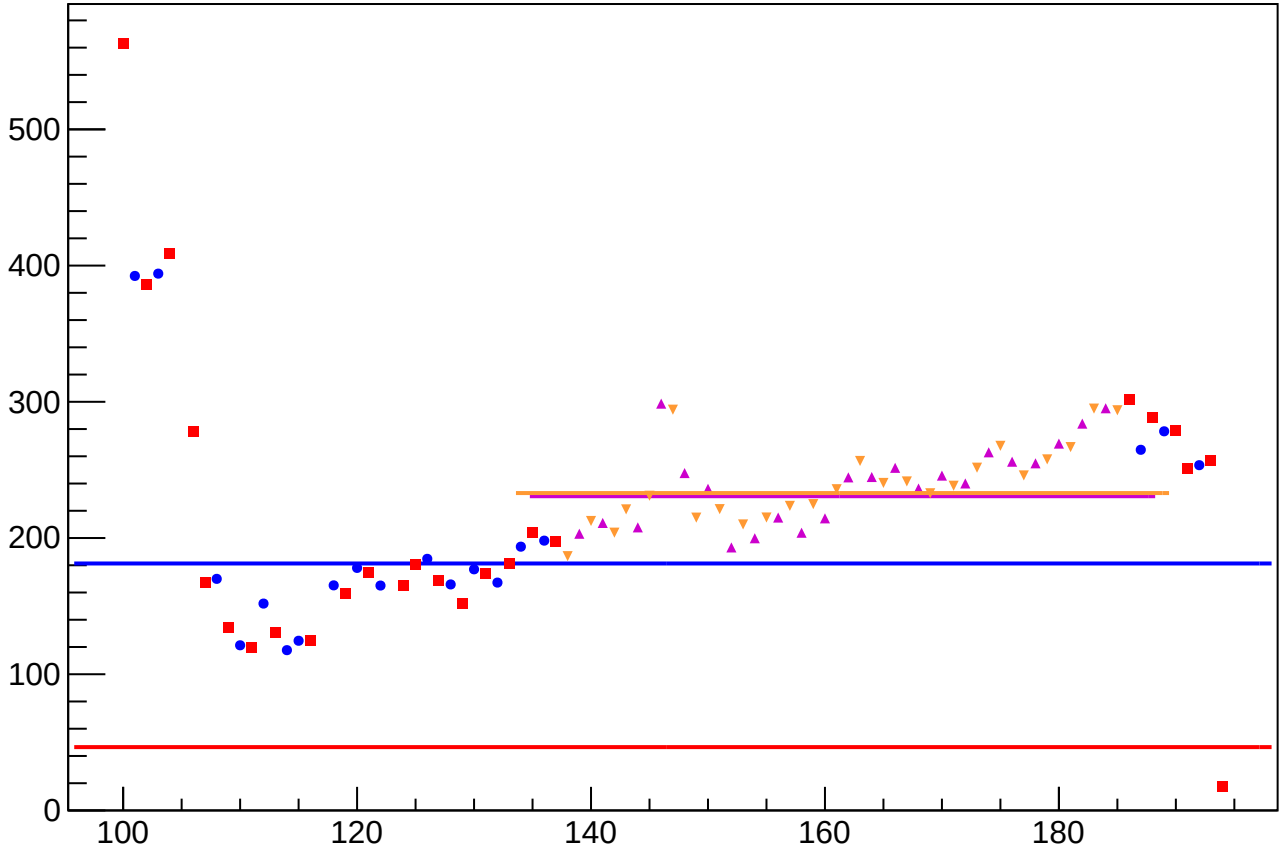
Right: 40431.395+/-0.024 χ^2/NDF: 7508445618093

In: 142483.876+/-0.042 χ^2/NDF:1145053230.4/41

Out: 46579.311+/-0.023 χ^2/NDF:8676028726262.

All: 68920.347+/-0.020 χ^2/NDF: 1271050818

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 181.309+/-0.046 χ^2/NDF: 1426557.0/18

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

Right Out: 46.503+/-0.018 χ^2/NDF: 13796880.2/24

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

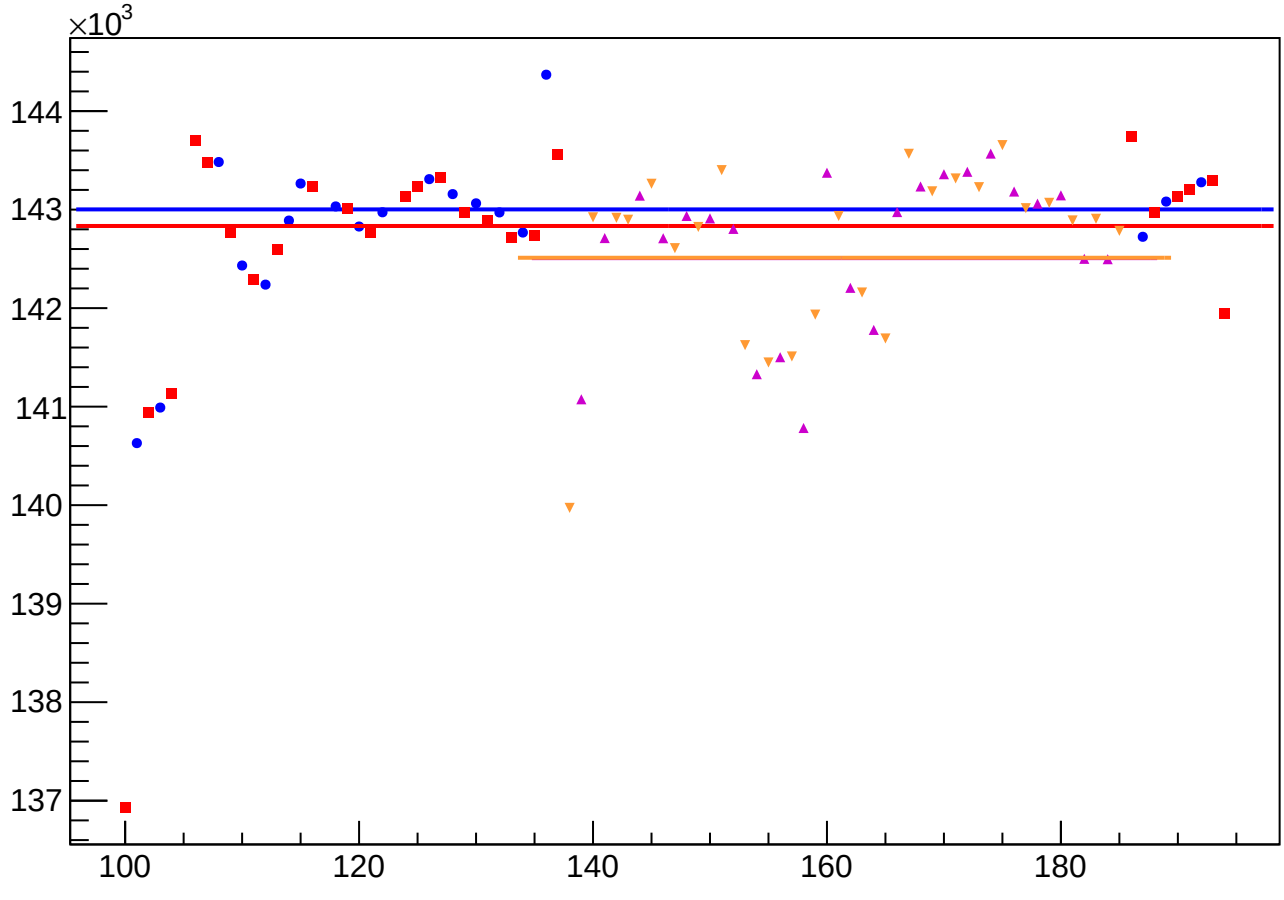
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 64.663+/-0.017 χ^2/NDF: 22741593.3/43

In: 210.043+/-0.030 χ^2/NDF:2617005.3/41

Out: 80.880+/-0.016 χ^2/NDF:33932465.0/49

All: 110.969+/-0.014 χ^2/NDF: 51180922.6/91



Right In: 143002.230+/-0.065 χ^2/NDF: 109085731.5/18

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142833.923+/-0.058 χ^2/NDF: 79829432.5/24

Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

Left: 142509.527+/-0.037 χ^2/NDF: 607361986.5/47

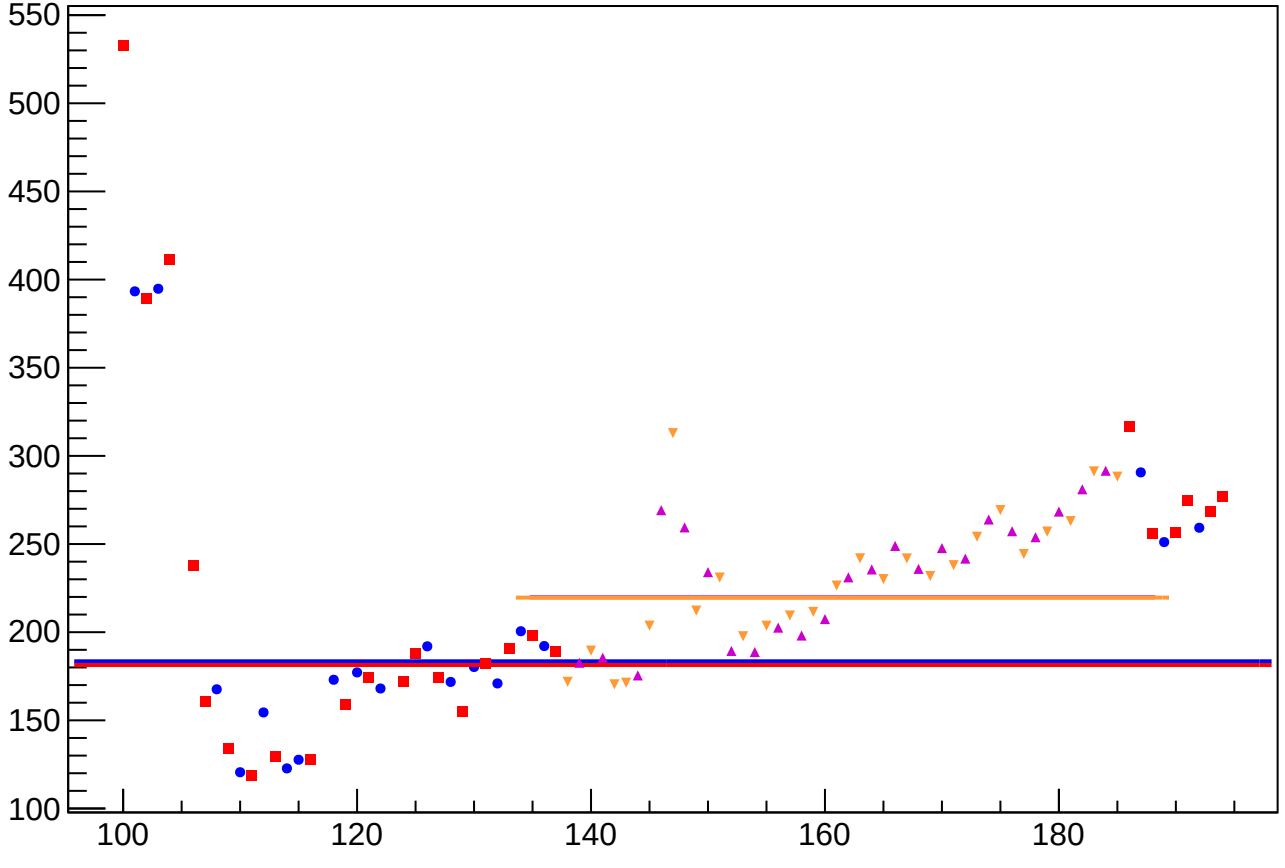
Right: 142908.684+/-0.044 χ^2/NDF: 192604184.1/4

In: 142701.222+/-0.041 χ^2/NDF:413245662.0/41

Out: 142650.615+/-0.038 χ^2/NDF:435250633.5/49

All: 142674.321+/-0.028 χ^2/NDF: 84931105

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 183.488+/-0.046 χ^2/NDF: 1374735.0/18

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

Right Out: 181.382+/-0.041 χ^2/NDF: 2242463.3/24

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

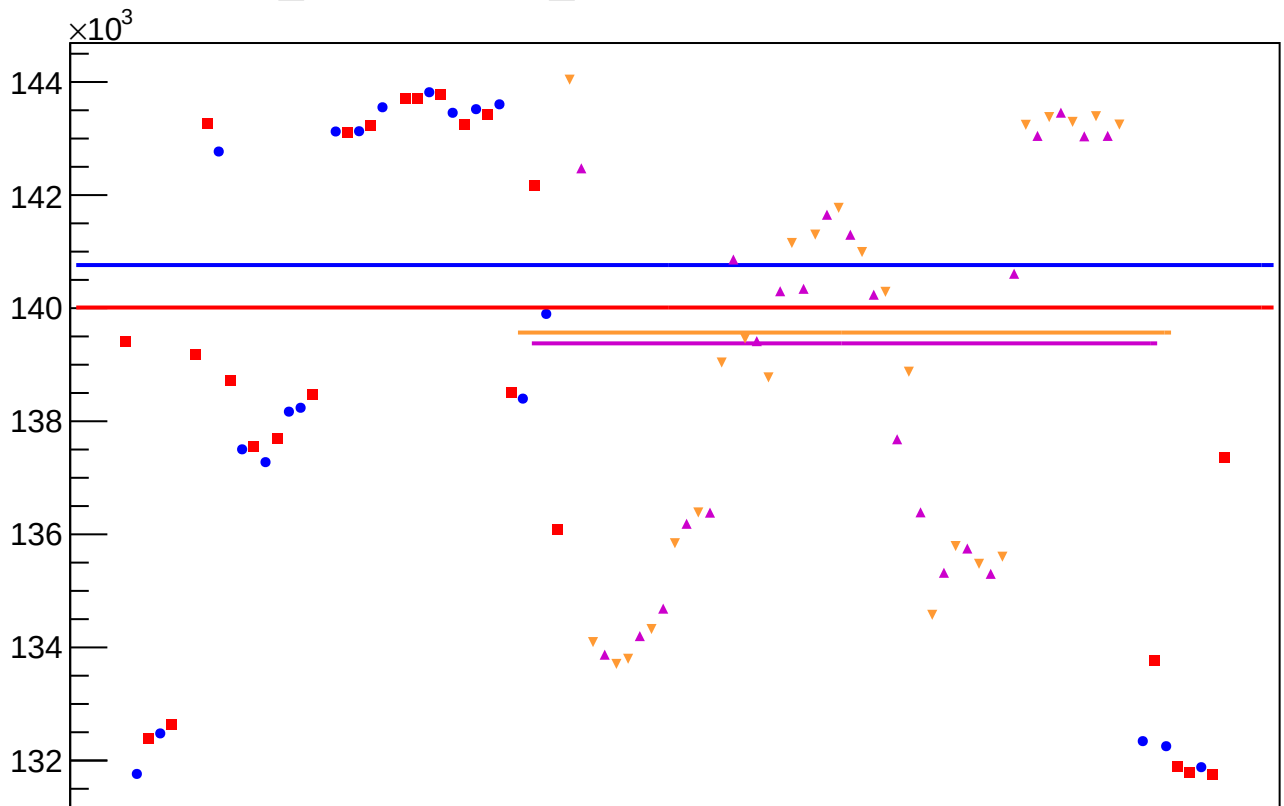
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 182.318+/-0.031 χ^2/NDF: 3618353.8/43

In: 205.592+/-0.029 χ^2/NDF:2556492.9/41

Out: 203.112+/-0.027 χ^2/NDF:3631676.5/49

All: 204.274+/-0.020 χ^2/NDF: 6192082.6/91



Right In: 140762.519+/-0.097 χ^2/NDF: 1674195818.0/18

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 140011.668+/-0.091 χ^2/NDF: 2034616106.0/24

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

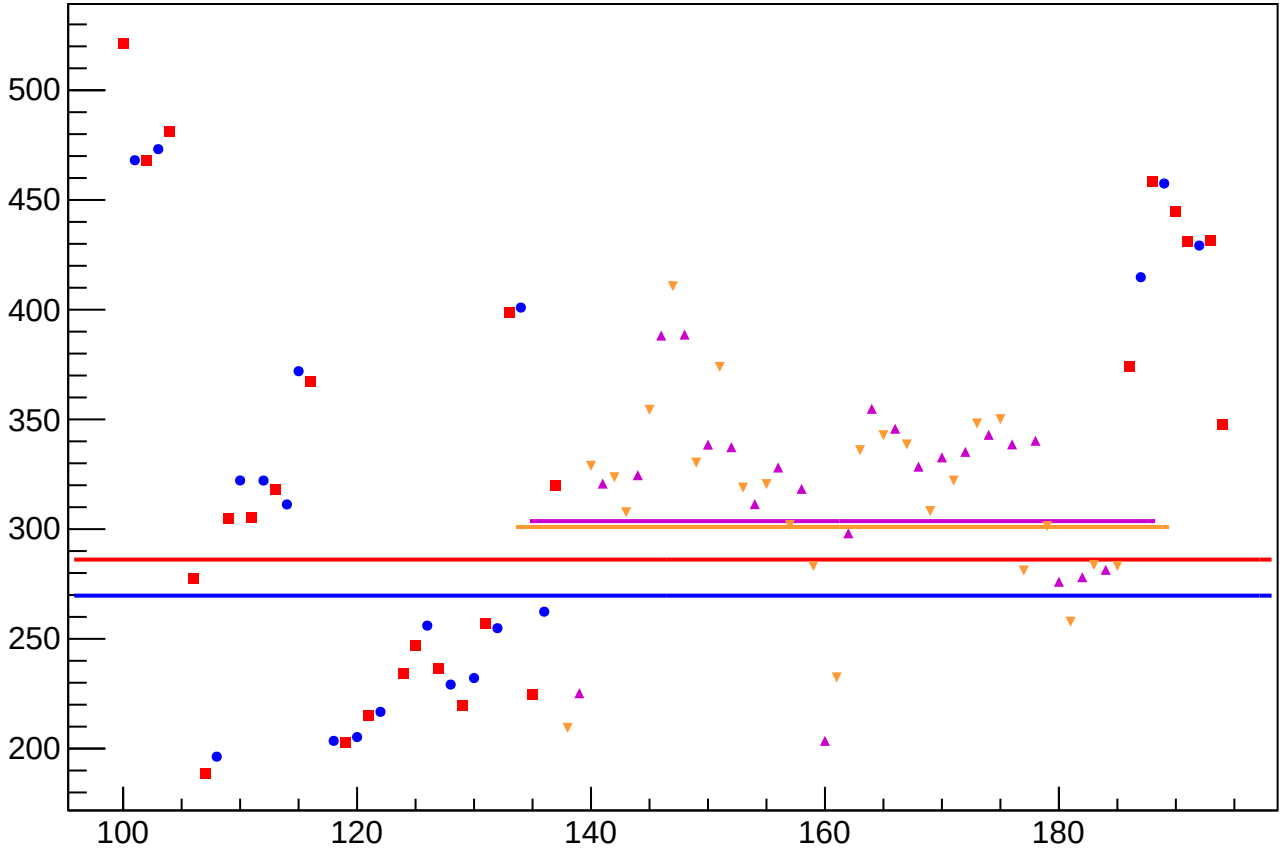
Right: 140366.497+/-0.066 χ^2/NDF: 3740677650.2/

In: 139880.578+/-0.058 χ^2/NDF:3726525159.5/41

Out: 139732.488+/-0.056 χ^2/NDF:4636044600.8/4

All: 139803.125+/-0.040 χ^2/NDF: 836595413

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 269.691+/-0.068 χ^2/NDF: 1478598.4/18

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

Right Out: 286.118+/-0.065 χ^2/NDF: 1800596.2/24

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

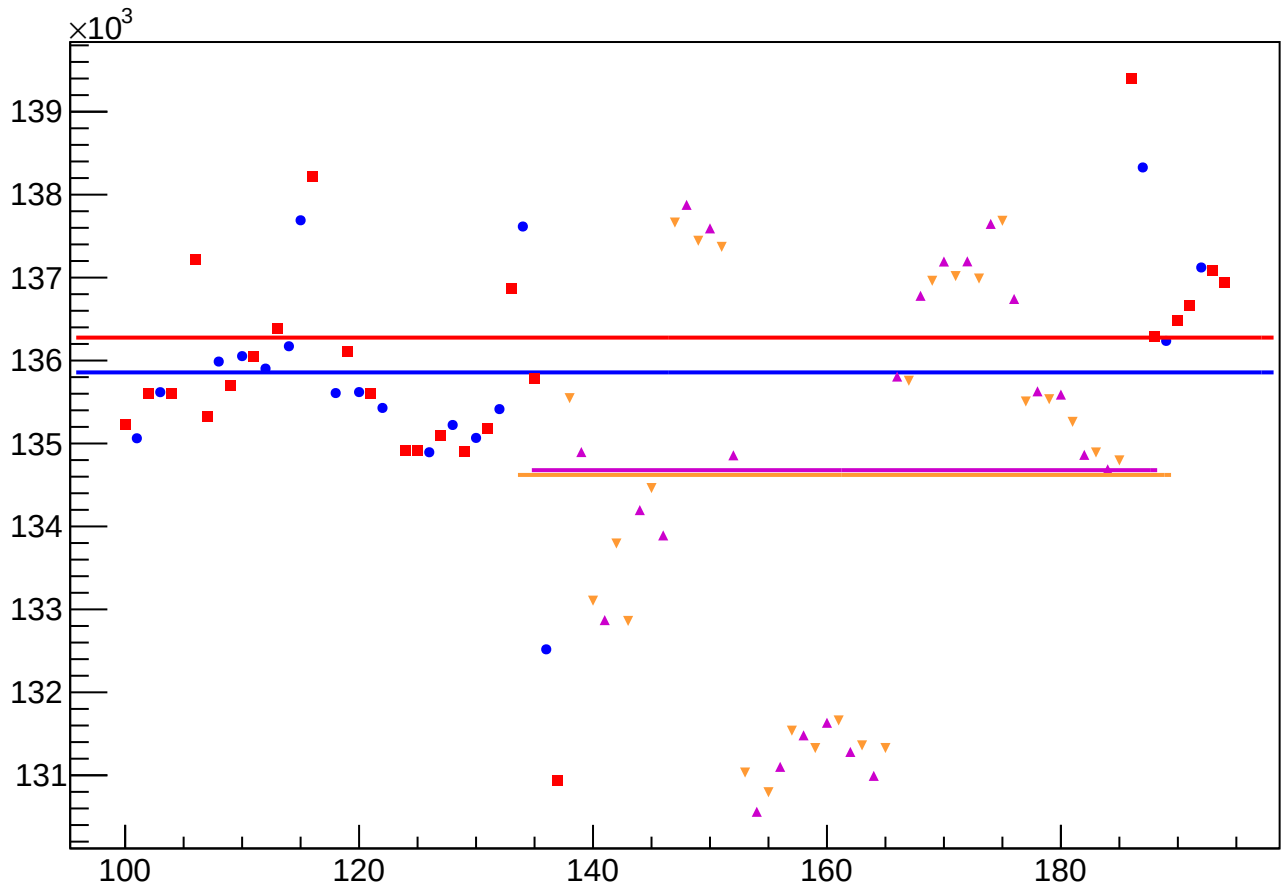
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 278.355+/-0.047 χ^2/NDF: 3309698.6/43

In: 291.322+/-0.041 χ^2/NDF:2612329.9/41

Out: 295.476+/-0.039 χ^2/NDF:2710720.2/49

All: 293.494+/-0.028 χ^2/NDF: 5328375.9/91



Right In: 135857.051+/-0.105 χ^2/NDF: 129478712.1/18

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 136276.612+/-0.087 χ^2/NDF: 151402607.2/24

Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

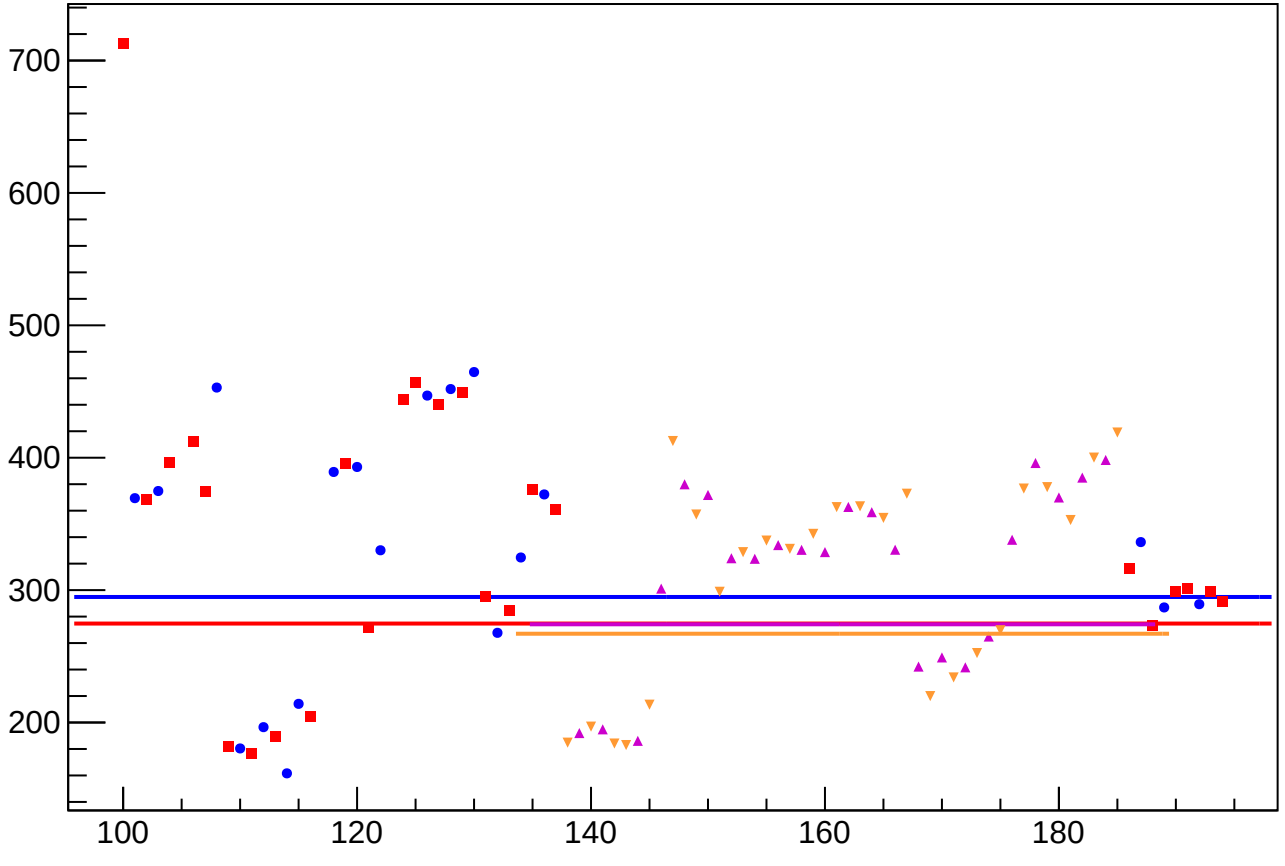
Right: 136104.549+/-0.067 χ^2/NDF: 290325422.6/4

In: 135019.416+/-0.056 χ^2/NDF:1315557410.5/4

Out: 135195.510+/-0.052 χ^2/NDF:1587051394.2/4

All: 135115.434+/-0.038 χ^2/NDF: 290792474

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 294.814+/-0.074 χ^2/NDF: 1449559.2/18

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

Right Out: 274.738+/-0.062 χ^2/NDF: 1727173.0/24

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

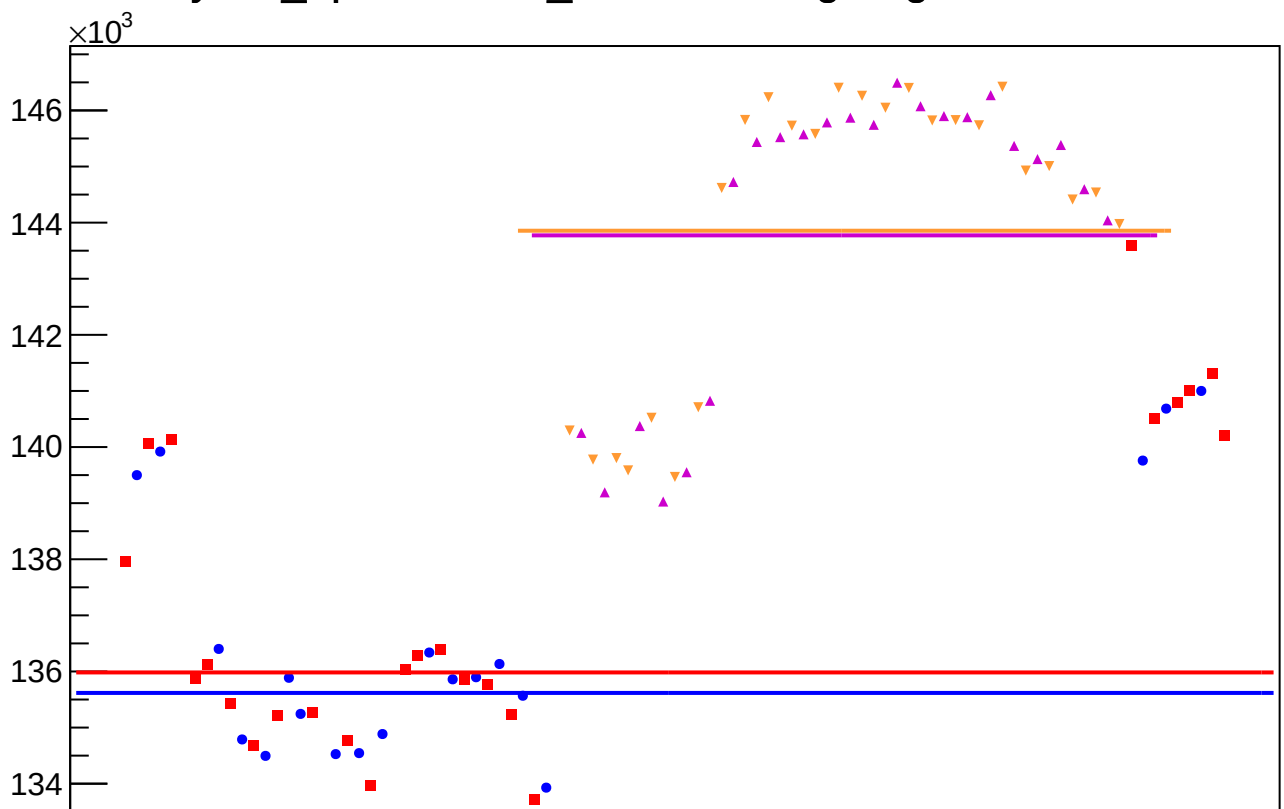
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 282.971+/-0.047 χ^2/NDF: 3219979.6/43

In: 280.147+/-0.040 χ^2/NDF:3741372.0/41

Out: 269.720+/-0.036 χ^2/NDF:4580569.2/49

All: 274.461+/-0.027 χ^2/NDF: 8359217.2/91



Right In: 135617.613+/-0.053 χ^2/NDF: 1075302084.6/18

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 135982.805+/-0.049 χ^2/NDF: 1901888476.3/24

Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

Left: 143816.659+/-0.035 χ^2/NDF: 5934957242.3/4

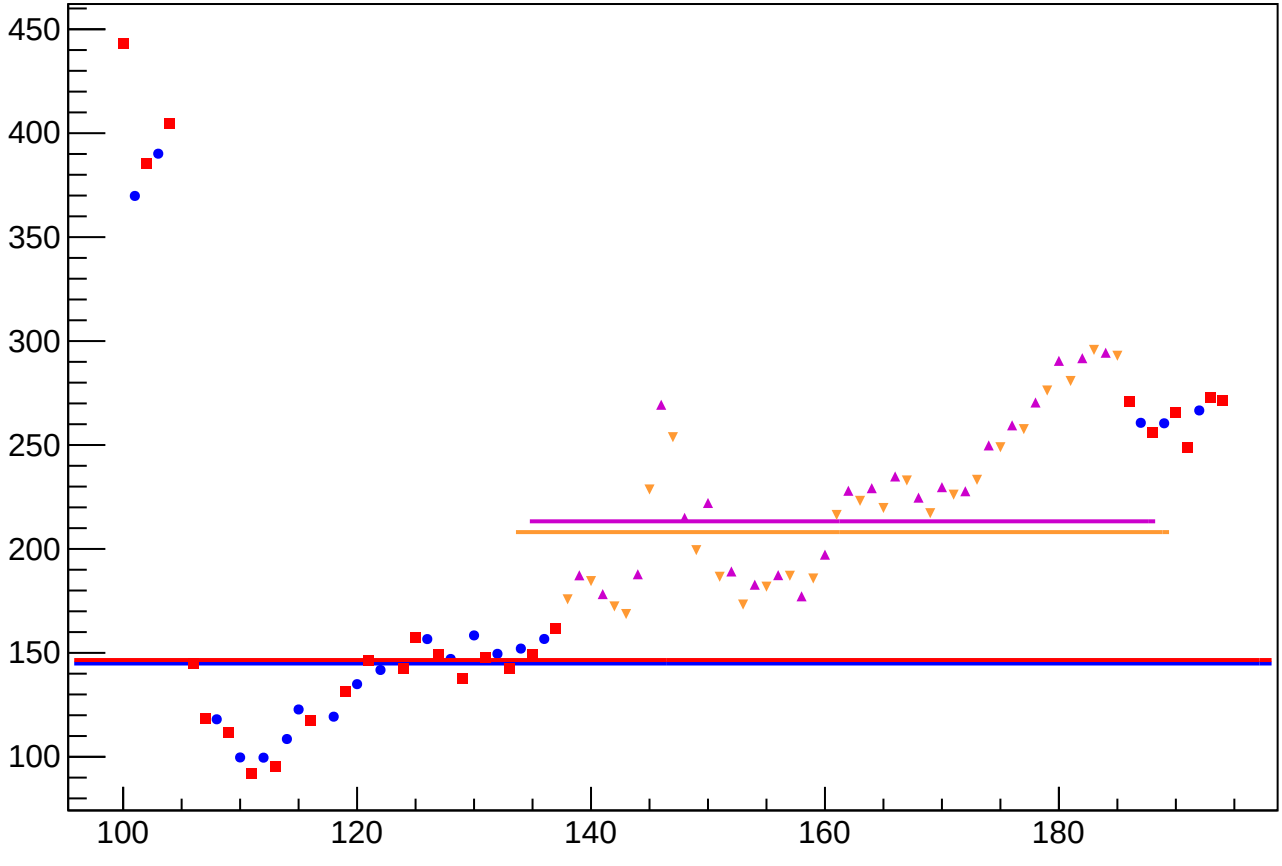
Right: 135815.799+/-0.036 χ^2/NDF: 3003106866.4/

In: 139846.618+/-0.037 χ^2/NDF:16228717685.5/4

Out: 139933.718+/-0.034 χ^2/NDF:18249974313.6

All: 139893.147+/-0.025 χ^2/NDF: 344817062

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 144.889+/-0.037 χ^2/NDF: 2118132.7/18

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

Right Out: 146.557+/-0.034 χ^2/NDF: 3174617.4/24

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

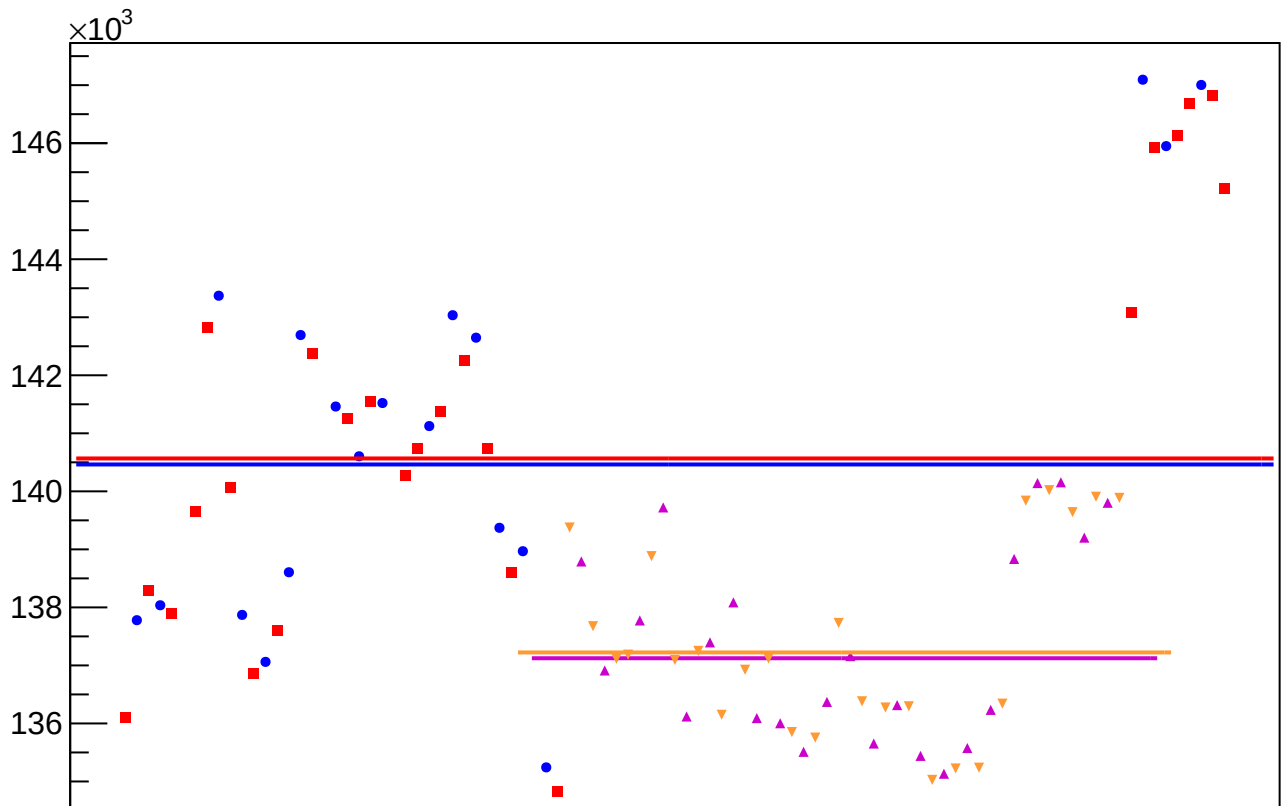
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 145.794+/-0.025 χ^2/NDF: 5293831.2/43

In: 180.357+/-0.026 χ^2/NDF:4721045.3/41

Out: 177.441+/-0.024 χ^2/NDF:5782986.1/49

All: 178.799+/-0.018 χ^2/NDF: 10510788.3/91



Right In: 140463.124+/-0.060 χ^2/NDF: 2790509762.2/18

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140566.600+/-0.055 χ^2/NDF: 3235303063.7/24

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

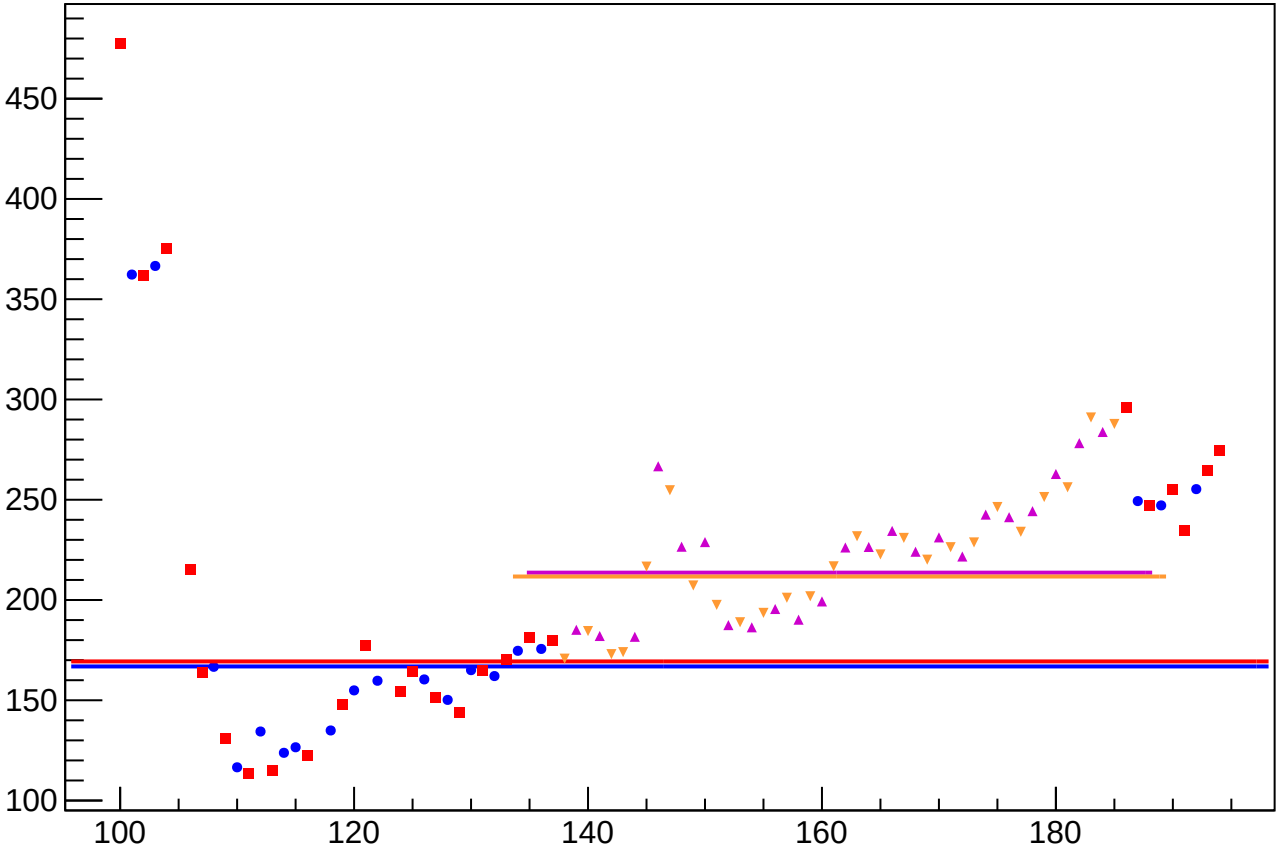
Right: 140519.187+/-0.040 χ^2/NDF: 6027446500.0/

In: 138532.509+/-0.039 χ^2/NDF:5466792167.4/41

Out: 138710.461+/-0.037 χ^2/NDF:6196008143.1/4

All: 138626.586+/-0.027 χ^2/NDF: 116739747

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 166.868+/-0.042 χ^2/NDF: 1439987.8/18

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

Right Out: 169.372+/-0.039 χ^2/NDF: 2310784.3/24

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

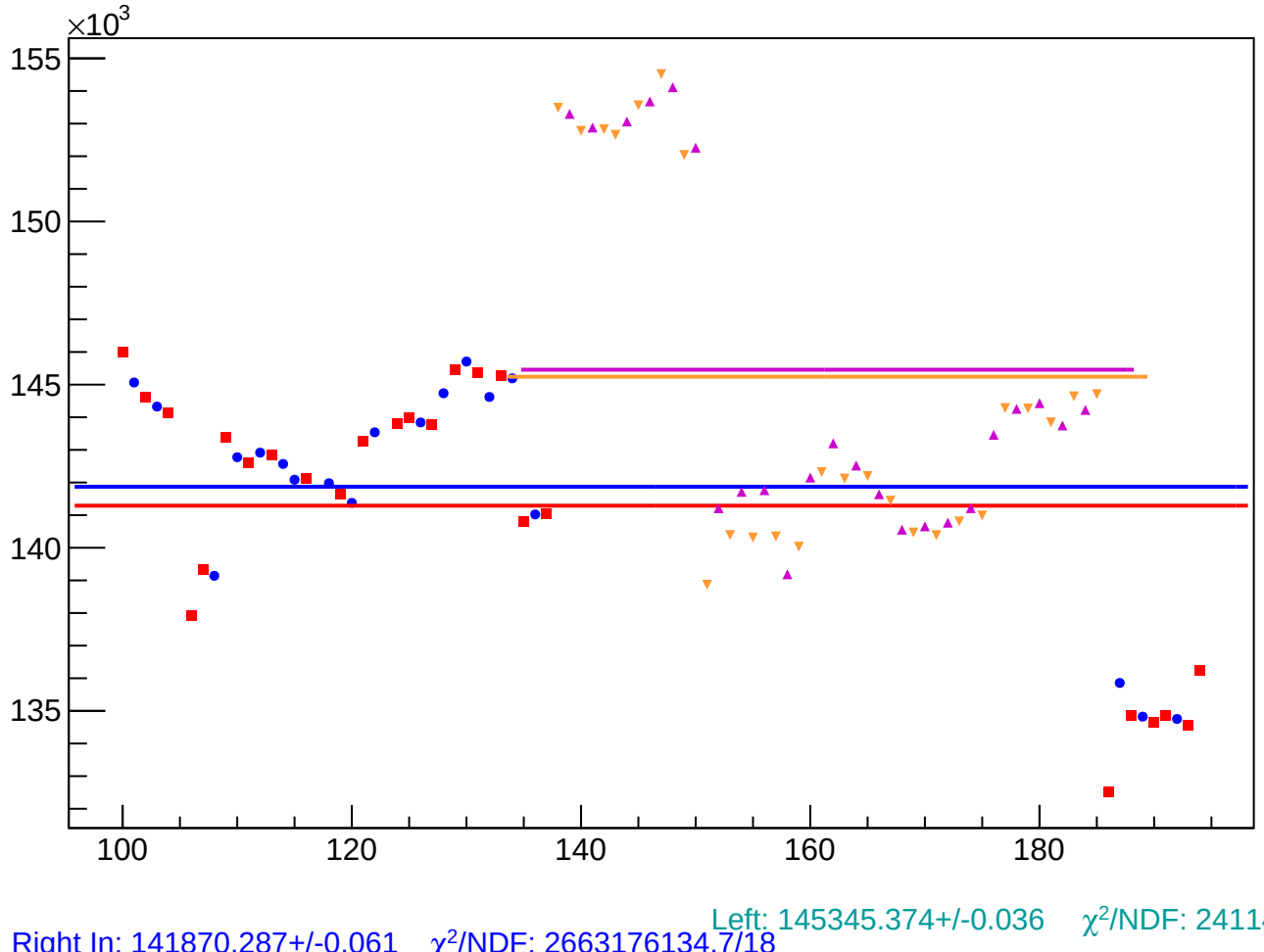
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 168.225+/-0.029 χ^2/NDF: 3752685.5/43

In: 193.907+/-0.027 χ^2/NDF:2773620.4/41

Out: 192.882+/-0.026 χ^2/NDF:3649295.2/49

All: 193.365+/-0.019 χ^2/NDF: 6423657.9/91



Right In: 141870.287+/-0.061 χ^2/NDF: 2663176134.7/18

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141289.684+/-0.055 χ^2/NDF: 4358559720.6/24

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

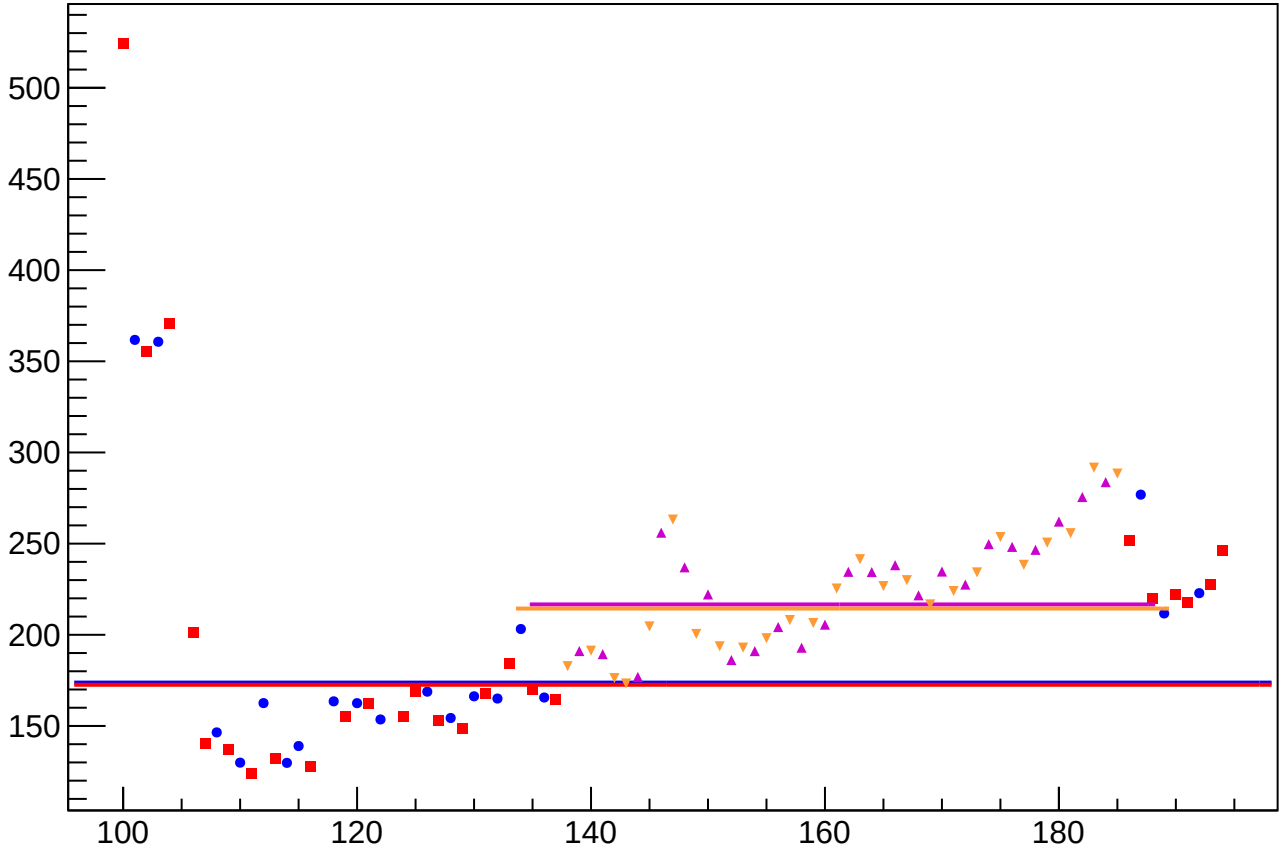
Right: 141547.823+/-0.041 χ^2/NDF: 7071435787.0/

In: 143972.240+/-0.039 χ^2/NDF:15737344836.3/4

Out: 143465.662+/-0.037 χ^2/NDF:20243659813.9

All: 143701.246+/-0.027 χ^2/NDF: 36069047

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 173.784+/-0.043 χ^2/NDF: 1066277.0/18

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

Right Out: 172.602+/-0.039 χ^2/NDF: 1610824.6/24

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

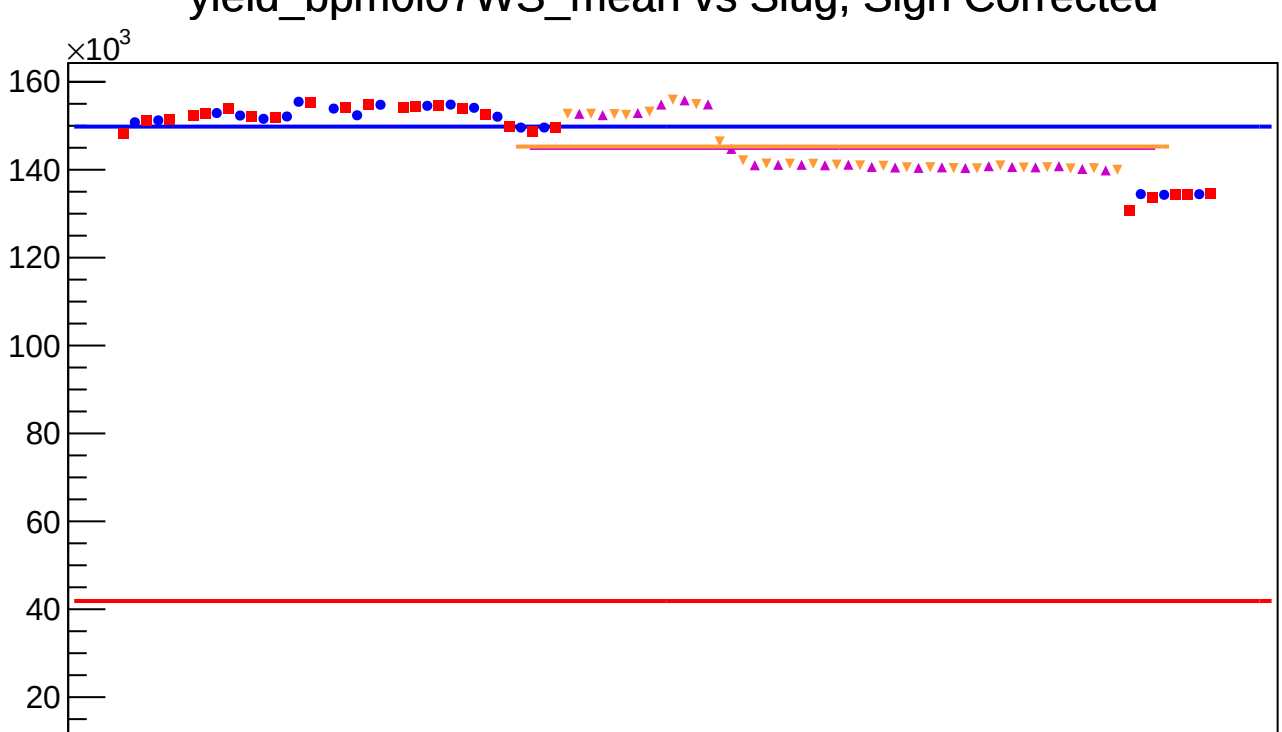
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 173.127+/-0.029 χ^2/NDF: 2677513.7/43

In: 198.910+/-0.028 χ^2/NDF:2225317.4/41

Out: 195.607+/-0.026 χ^2/NDF:2891816.1/49

All: 197.143+/-0.019 χ^2/NDF: 5124616.8/91



Right In: 149814.480+/-0.067 χ^2/NDF: 10063686322.2/18

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 41878.284+/-0.035 χ^2/NDF: 4746472266469.2/24

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

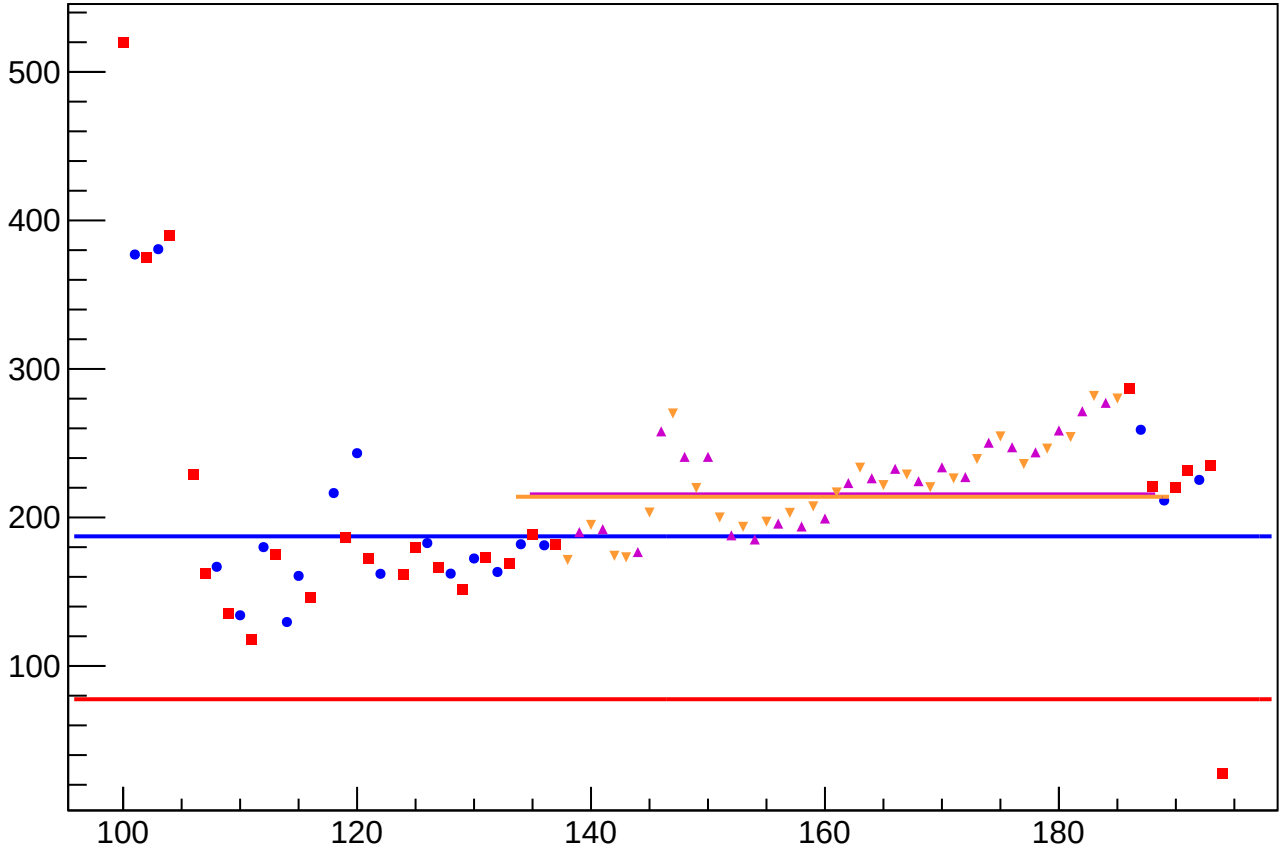
Right: 64664.807+/-0.031 χ^2/NDF: 6808281094226

In: 146756.349+/-0.041 χ^2/NDF:26528014002.3/4

Out: 75947.395+/-0.028 χ^2/NDF:7698668279854.

All: 99104.790+/-0.023 χ^2/NDF: 976537069

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 187.286+/-0.047 χ^2/NDF: 1019683.6/18

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 77.603+/-0.024 χ^2/NDF: 10023479.0/24

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

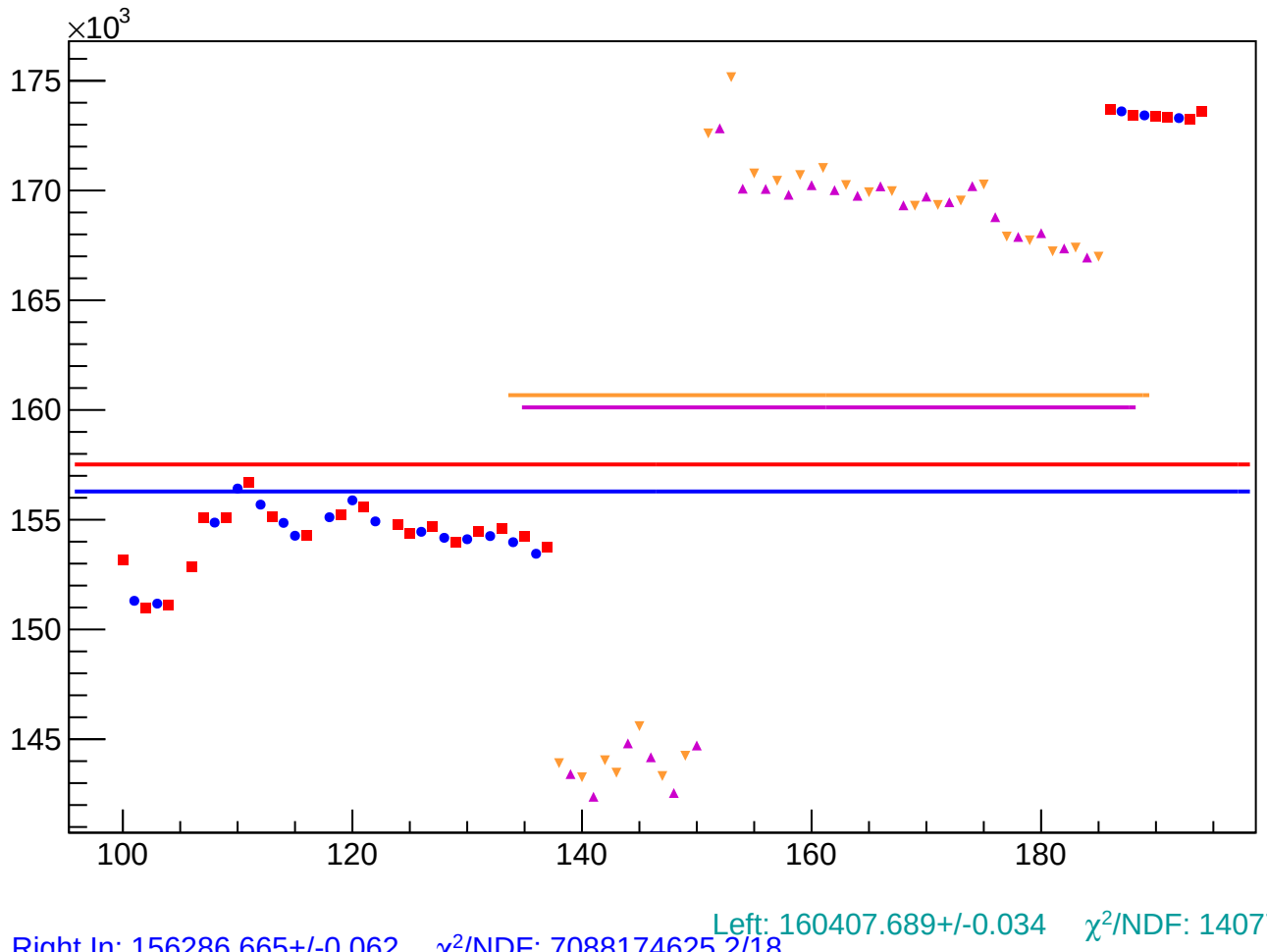
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 100.758+/-0.022 χ^2/NDF: 15280557.7/43

In: 205.107+/-0.029 χ^2/NDF:1845065.1/41

Out: 122.532+/-0.020 χ^2/NDF:20894855.9/49

All: 149.537+/-0.016 χ^2/NDF: 28289072.7/91



Right In: 156286.665+/-0.062 χ^2/NDF: 7088174625.2/18

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 157518.121+/-0.056 χ^2/NDF: 13923241088.4/24

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

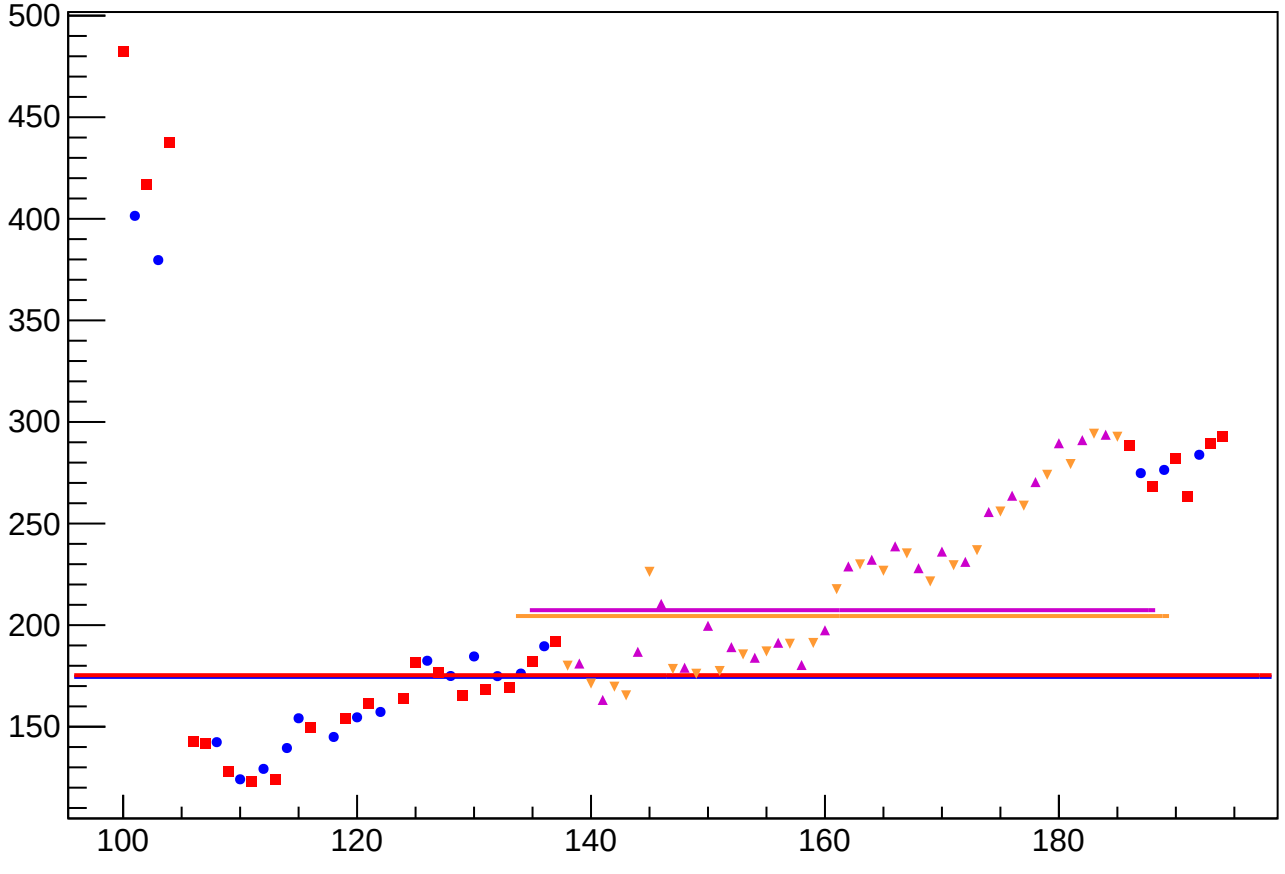
Right: 156964.257+/-0.042 χ^2/NDF: 21225579176.

In: 158642.204+/-0.039 χ^2/NDF:75957361319.2/4

Out: 159369.321+/-0.036 χ^2/NDF:89913262794.5

All: 159029.420+/-0.026 χ^2/NDF: 16605826

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 174.531+/-0.044 χ^2/NDF: 1596457.4/18

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

Right Out: 175.359+/-0.040 χ^2/NDF: 2467352.4/24

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

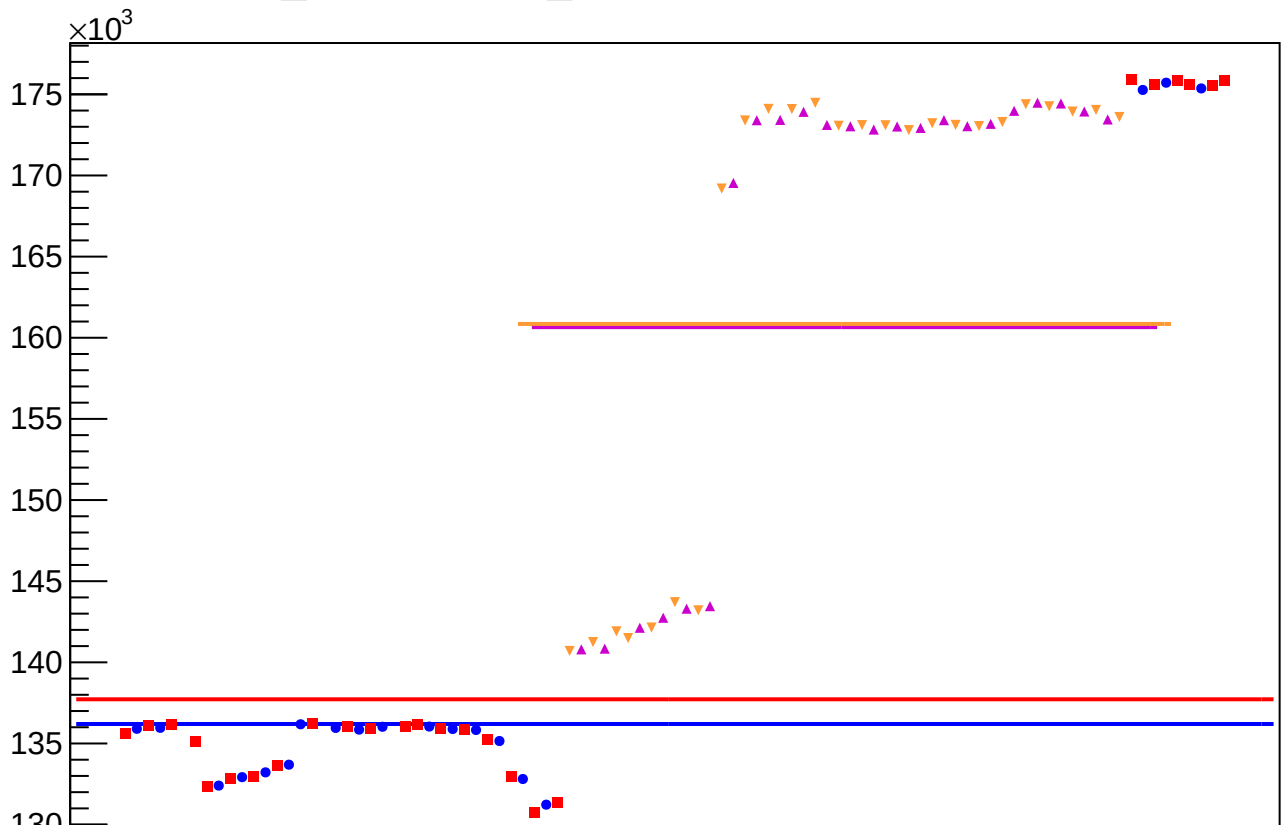
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 174.987+/-0.030 χ^2/NDF: 4064003.5/43

In: 194.723+/-0.027 χ^2/NDF:2893445.3/41

Out: 192.434+/-0.026 χ^2/NDF:3852775.7/49

All: 193.504+/-0.019 χ^2/NDF: 6749937.6/91



Right In: 136200.176+/-0.050 χ^2/NDF: 31822653992.5/18

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 137722.201+/-0.046 χ^2/NDF: 64826905893.0/24

Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

Left: 160756.959+/-0.035 χ^2/NDF: 189360447861.

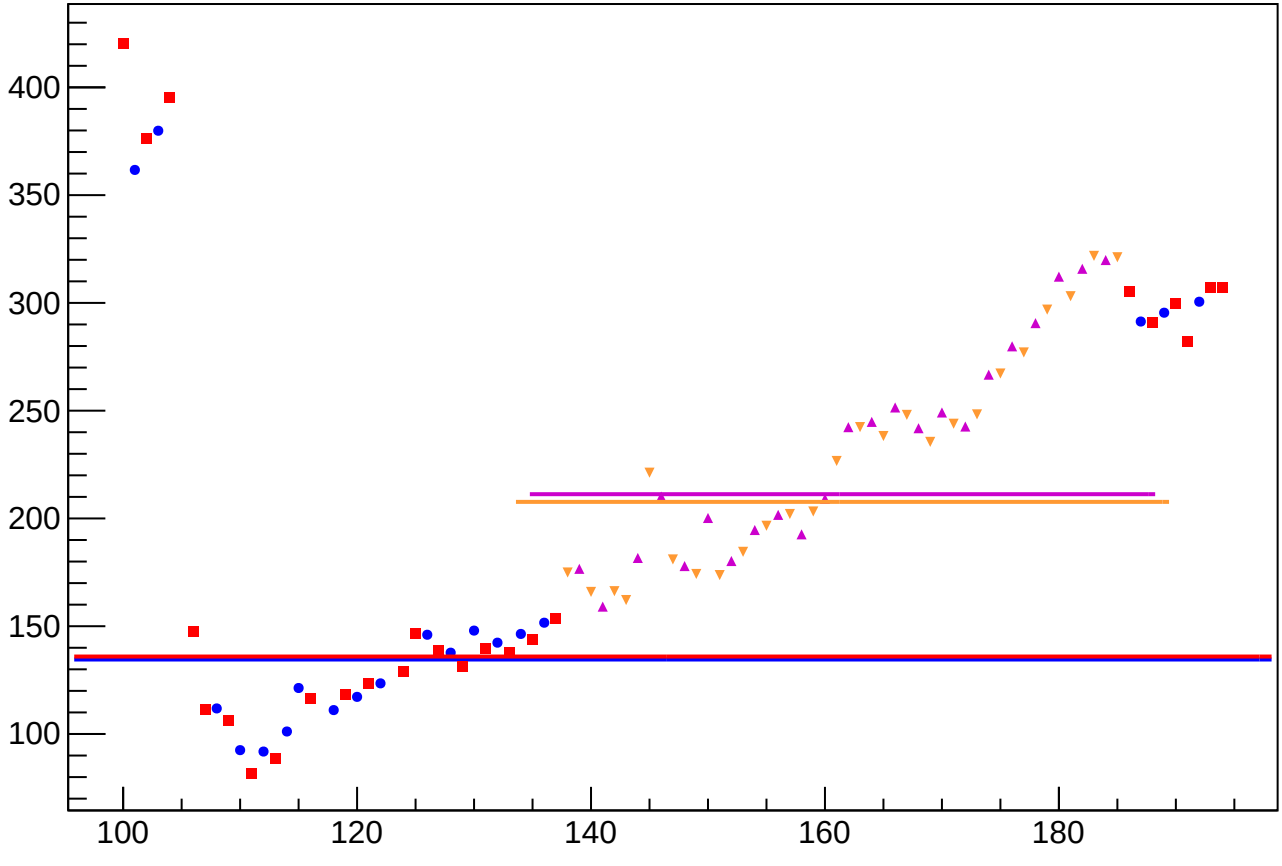
Right: 137020.580+/-0.034 χ^2/NDF: 97156626728.

In: 148187.447+/-0.035 χ^2/NDF:241010631811.0

Out: 148664.680+/-0.033 χ^2/NDF:284203860859.

All: 148440.771+/-0.024 χ^2/NDF: 525310791

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 134.553+/-0.035 χ^2/NDF: 2539120.1/18

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

Right Out: 135.935+/-0.032 χ^2/NDF: 4005592.5/24

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

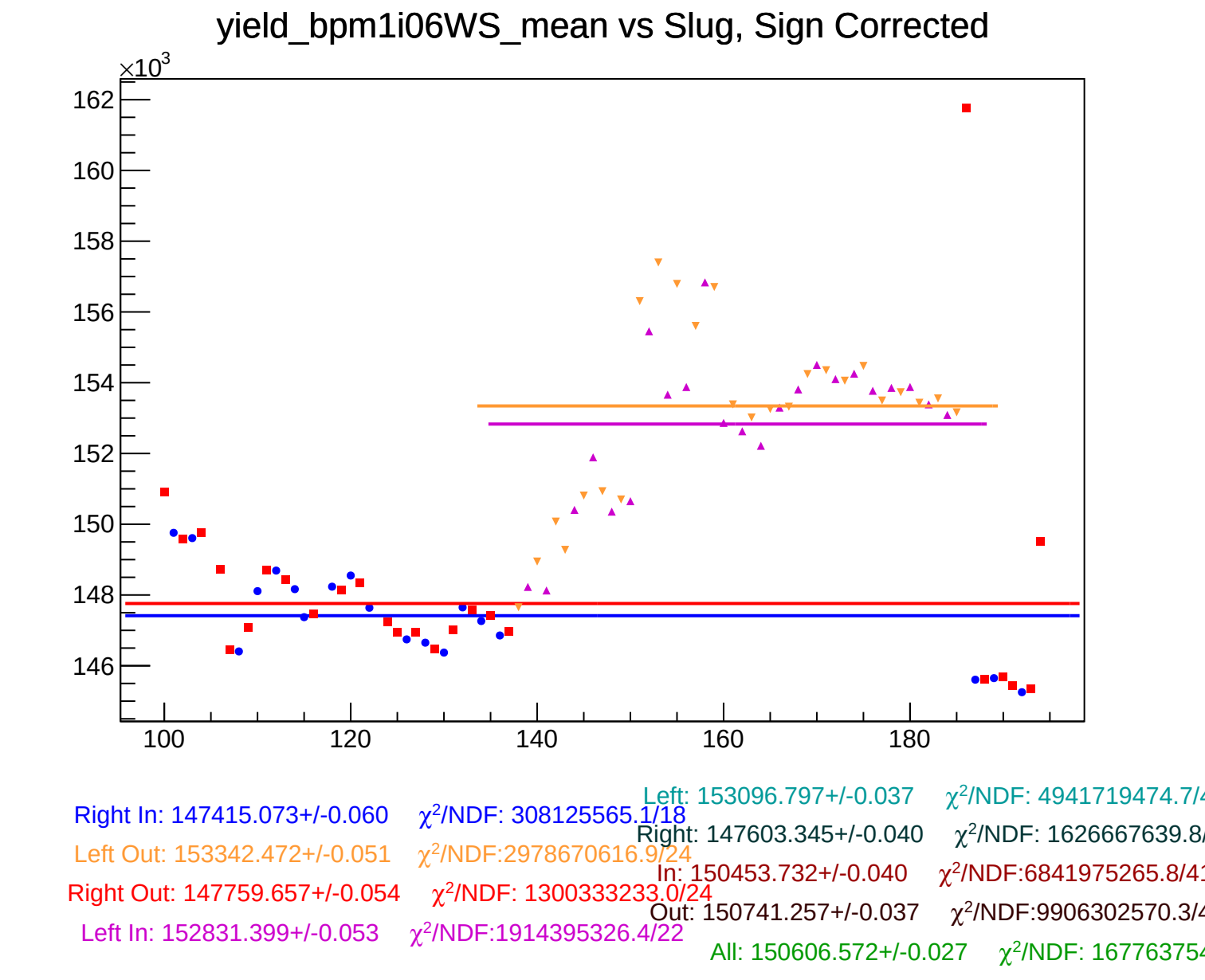
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 135.298+/-0.024 χ^2/NDF: 6545548.6/43

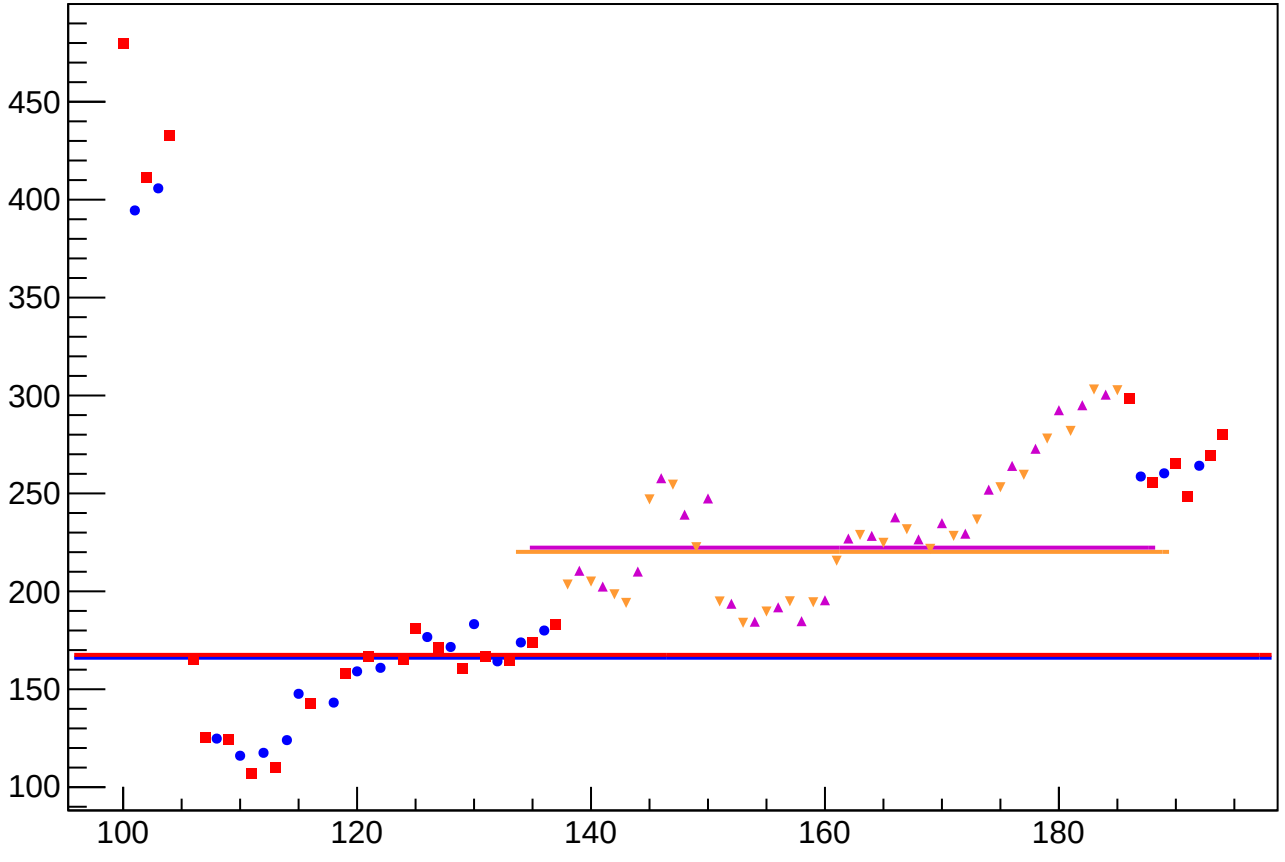
In: 172.152+/-0.025 χ^2/NDF:6187049.2/41

Out: 169.882+/-0.024 χ^2/NDF:7819576.6/49

All: 170.947+/-0.017 χ^2/NDF: 14010980.6/91


yield_bpm1i06WS_mean vs Slug, Sign Corrected
×10^3
162
160
158
156
154
152
150
148
146
100
120
140
160
180
Right In: 147415.073+/-0.060 χ²/NDF: 308125565.1/18
Left Out: 153342.472+/-0.051 χ²/NDF:2978670616.9/24
Right Out: 147759.657+/-0.054 χ²/NDF: 1300333233.0/24
Left In: 152831.399+/-0.053 χ²/NDF:1914395326.4/22
Left: 153096.797+/-0.037 χ²/NDF: 4941719474.7/4
Right: 147603.345+/-0.040 χ²/NDF: 1626667639.8/
In: 150453.732+/-0.040 χ²/NDF:6841975265.8/41
Out: 150741.257+/-0.037 χ²/NDF:9906302570.3/4
All: 150606.572+/-0.027 χ²/NDF: 16776375

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 166.108+/-0.042 χ^2/NDF: 1761587.5/18

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

Right Out: 167.560+/-0.038 χ^2/NDF: 2672070.6/24

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

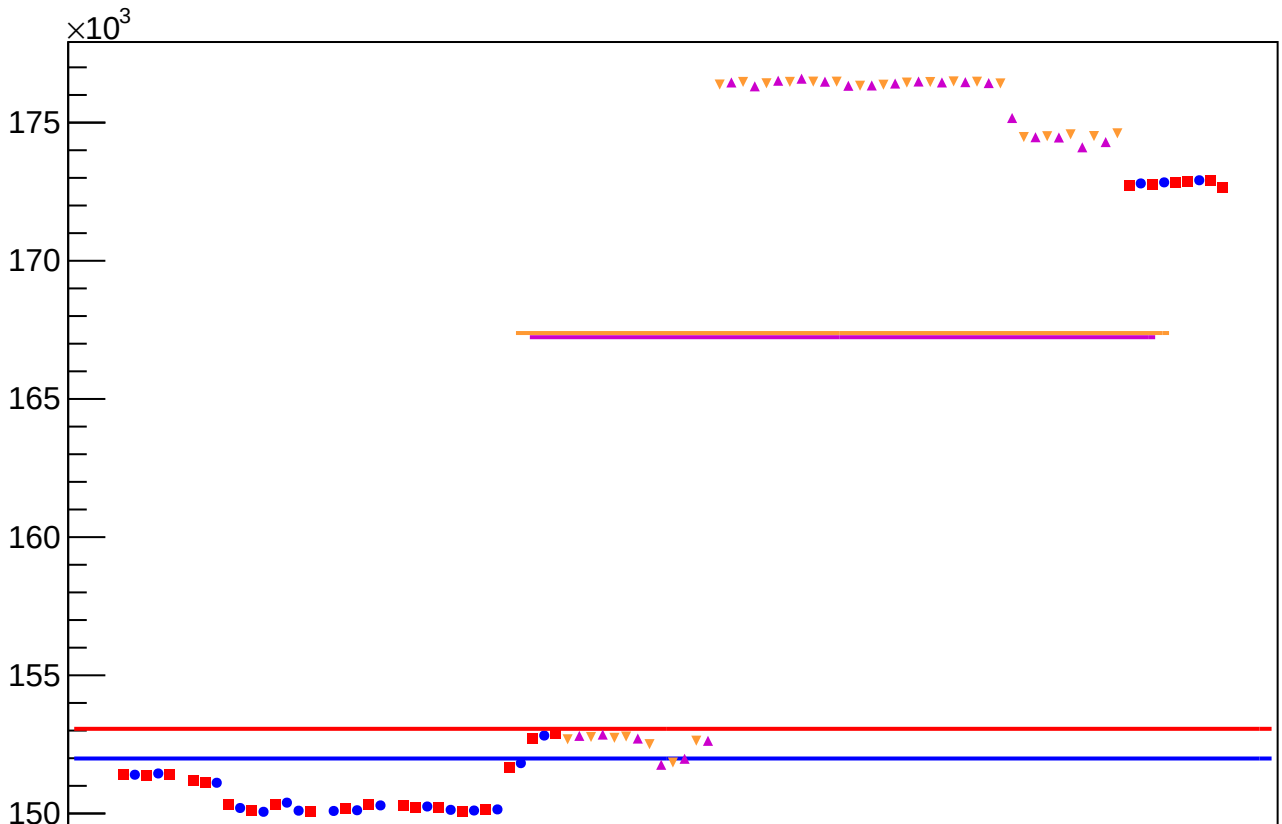
Right: 166.901+/-0.028 χ^2/NDF: 4434304.1/43

In: 197.635+/-0.028 χ^2/NDF:3453734.1/41

Out: 195.649+/-0.026 χ^2/NDF:4356583.2/49

All: 196.580+/-0.019 χ^2/NDF: 7812997.7/91

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 151989.740+/-0.053 χ^2/NDF: 10866852208.0/18

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 153063.735+/-0.048 χ^2/NDF: 21581237330.1/24

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

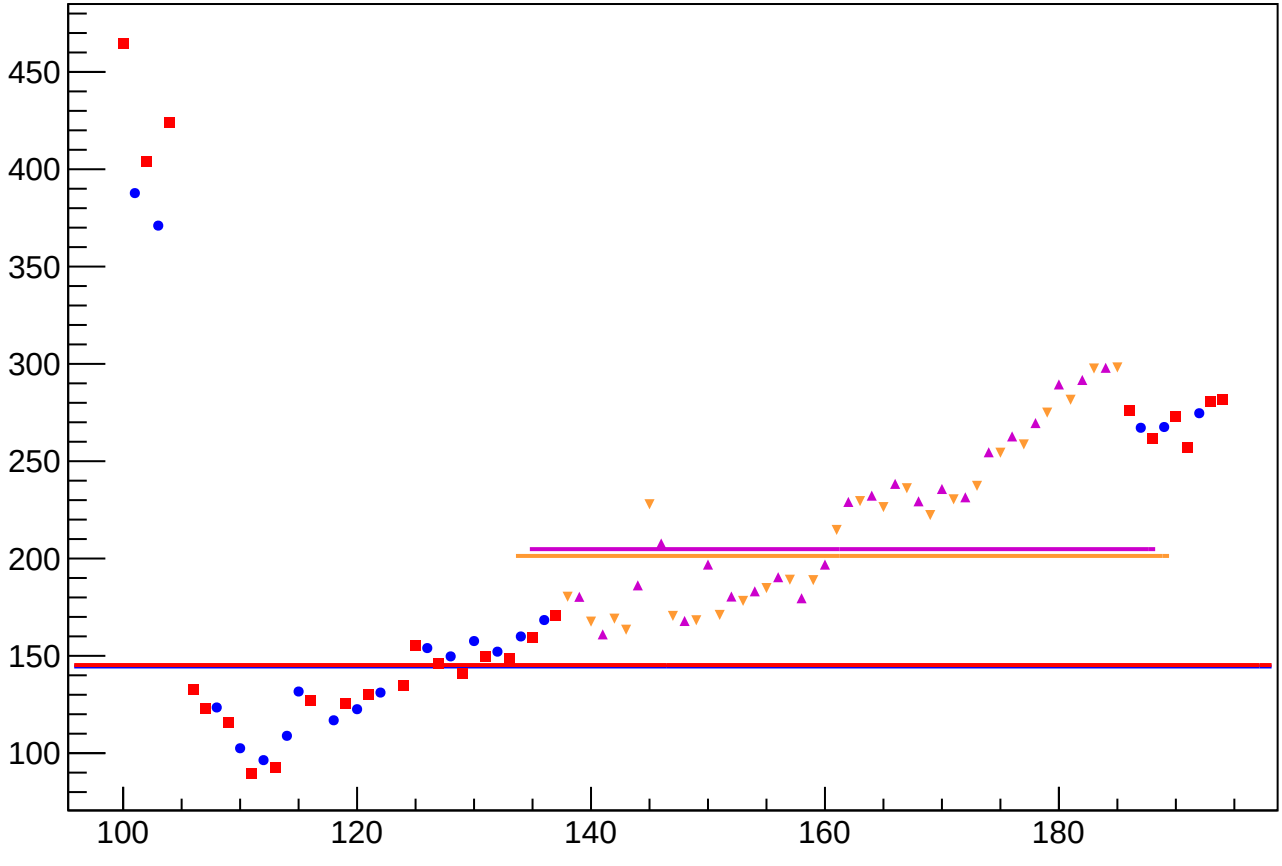
Right: 152577.919+/-0.036 χ^2/NDF: 32674316726.

In: 160206.422+/-0.036 χ^2/NDF:110824336783.1

Out: 160419.886+/-0.033 χ^2/NDF:126862842491.

All: 160320.488+/-0.024 χ^2/NDF: 23770609

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 144.535+/-0.037 χ^2/NDF: 2202556.1/18

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 145.267+/-0.034 χ^2/NDF: 3401488.3/24

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

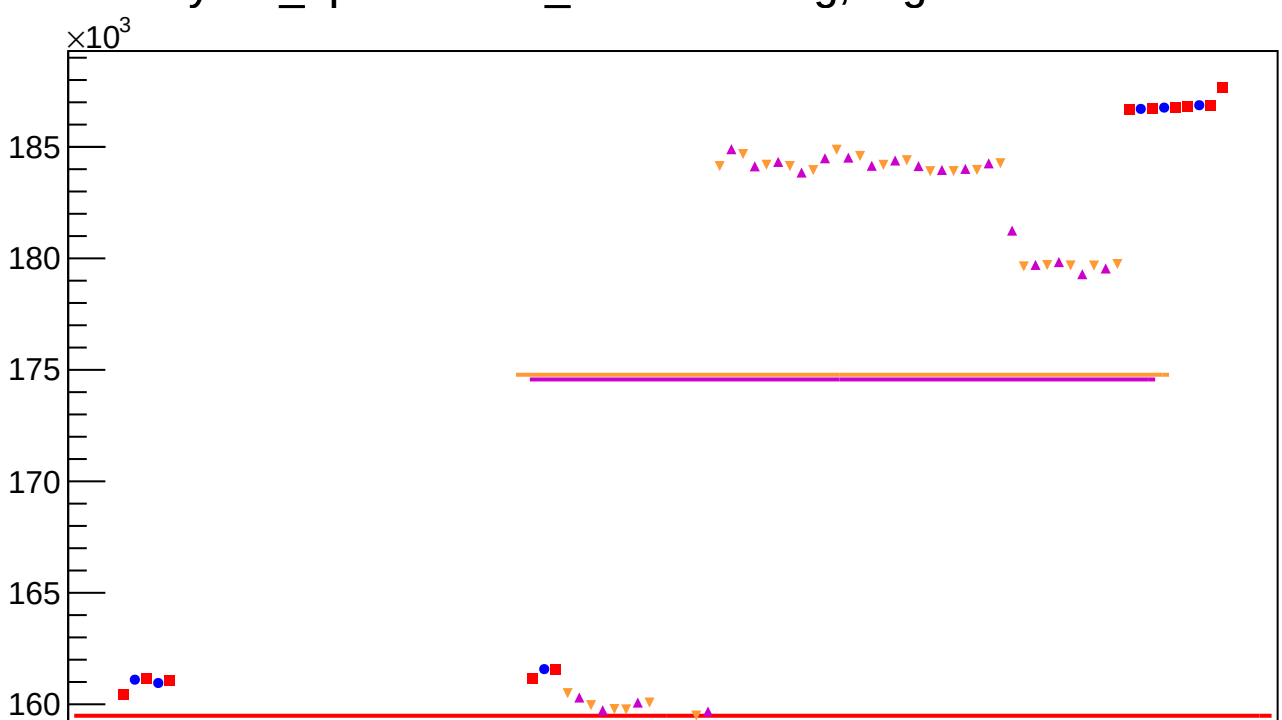
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 144.936+/-0.025 χ^2/NDF: 5604254.7/43

In: 177.031+/-0.025 χ^2/NDF:4658980.6/41

Out: 174.062+/-0.024 χ^2/NDF:6031990.6/49

All: 175.445+/-0.017 χ^2/NDF: 10698290.3/91



Right In: 158157.800+/-0.055 χ^2/NDF: 17074486858.5/18

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 159486.134+/-0.050 χ^2/NDF: 33827259218.9/24

Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

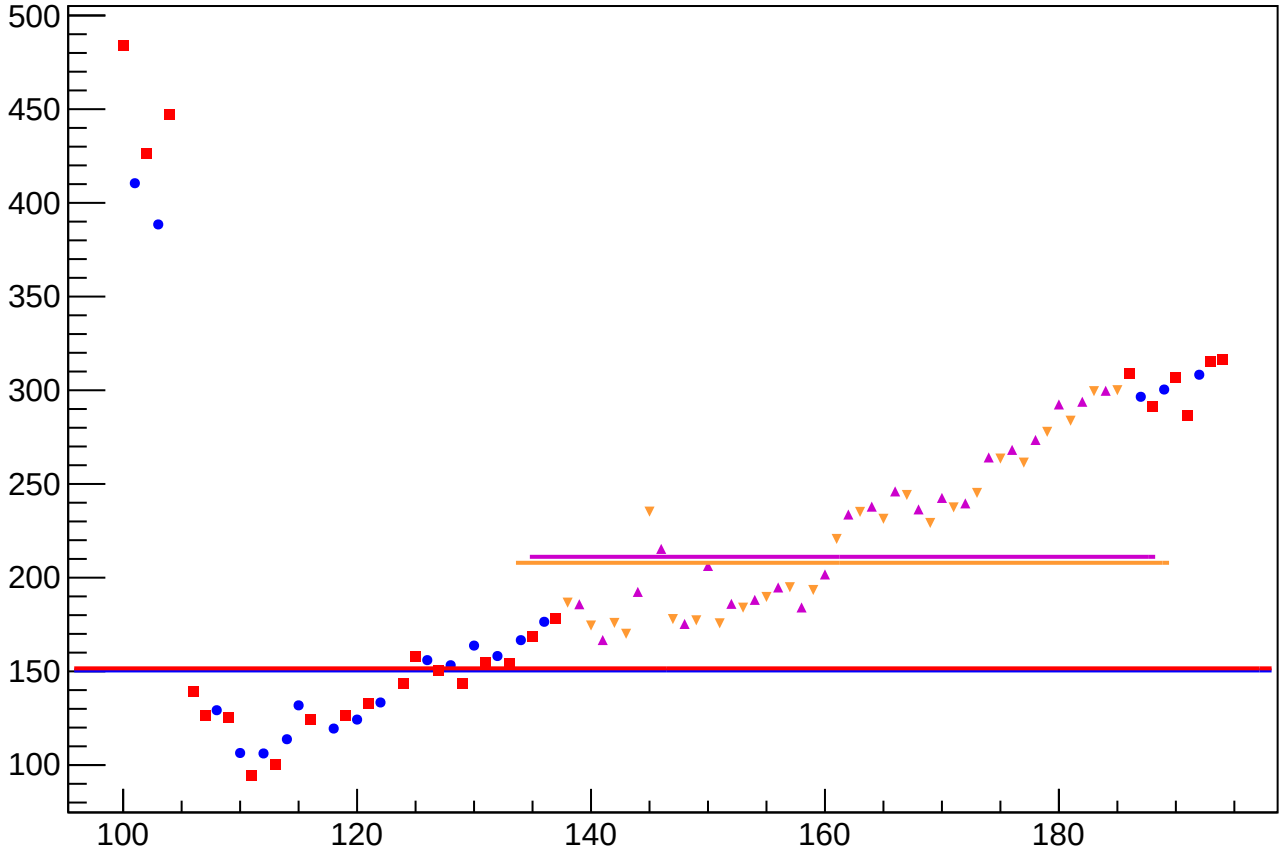
Right: 158882.126+/-0.037 χ^2/NDF: 51217293095.

In: 167121.641+/-0.037 χ^2/NDF:120080717629.9

Out: 167477.275+/-0.035 χ^2/NDF:140028395207.

All: 167311.070+/-0.025 χ^2/NDF: 260157795

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 150.488+/-0.039 χ^2/NDF: 2302846.2/18

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 151.609+/-0.036 χ^2/NDF: 3622326.7/24

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

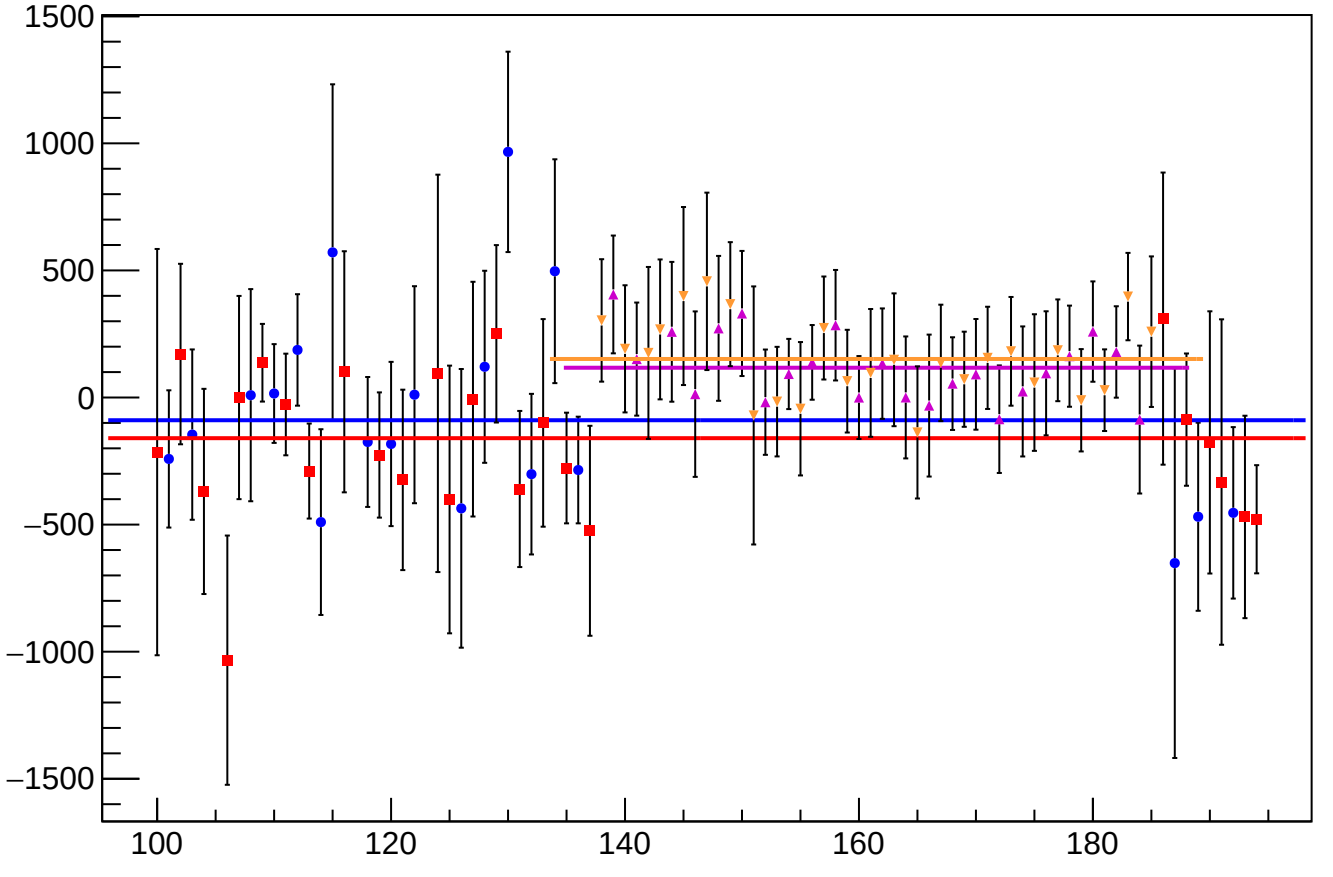
Right: 151.099+/-0.026 χ^2/NDF: 5925622.6/43

In: 183.611+/-0.026 χ^2/NDF:4614149.2/41

Out: 181.041+/-0.025 χ^2/NDF:6058533.1/49

All: 182.242+/-0.018 χ^2/NDF: 10677765.3/91

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -89.410+/-72.882 χ^2/NDF: 18.5/18

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -160.008+/-61.375 χ^2/NDF: 16.8/24

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

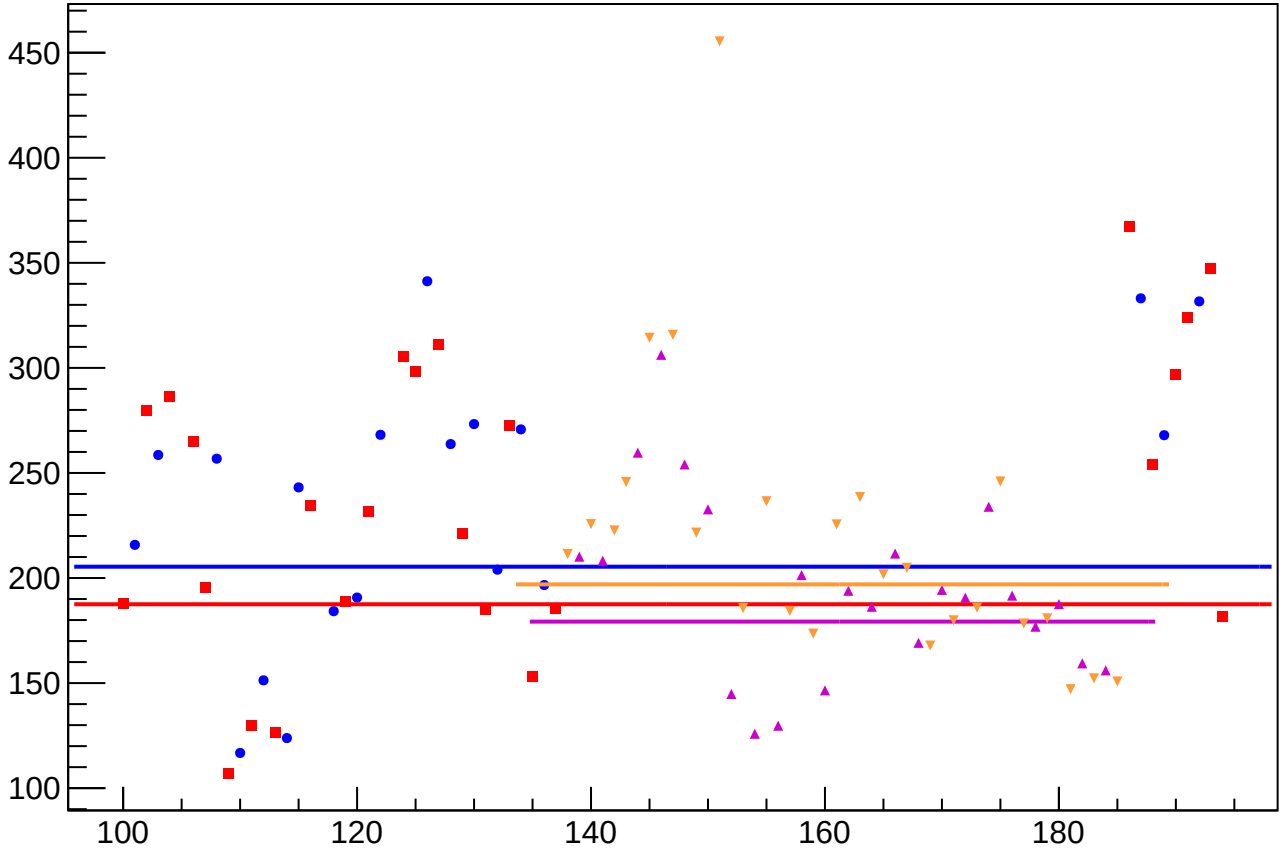
Right: -130.716+/-46.946 χ^2/NDF: 35.8/43

In: 62.392+/-37.528 χ^2/NDF:31.8/41

Out: 38.212+/-37.023 χ^2/NDF:42.8/49

All: 50.138+/-26.356 χ^2/NDF: 74.8/91

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 205.389+/-0.052 χ^2/NDF: 1459202.2/18

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 187.520+/-0.043 χ^2/NDF: 2556491.4/24

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

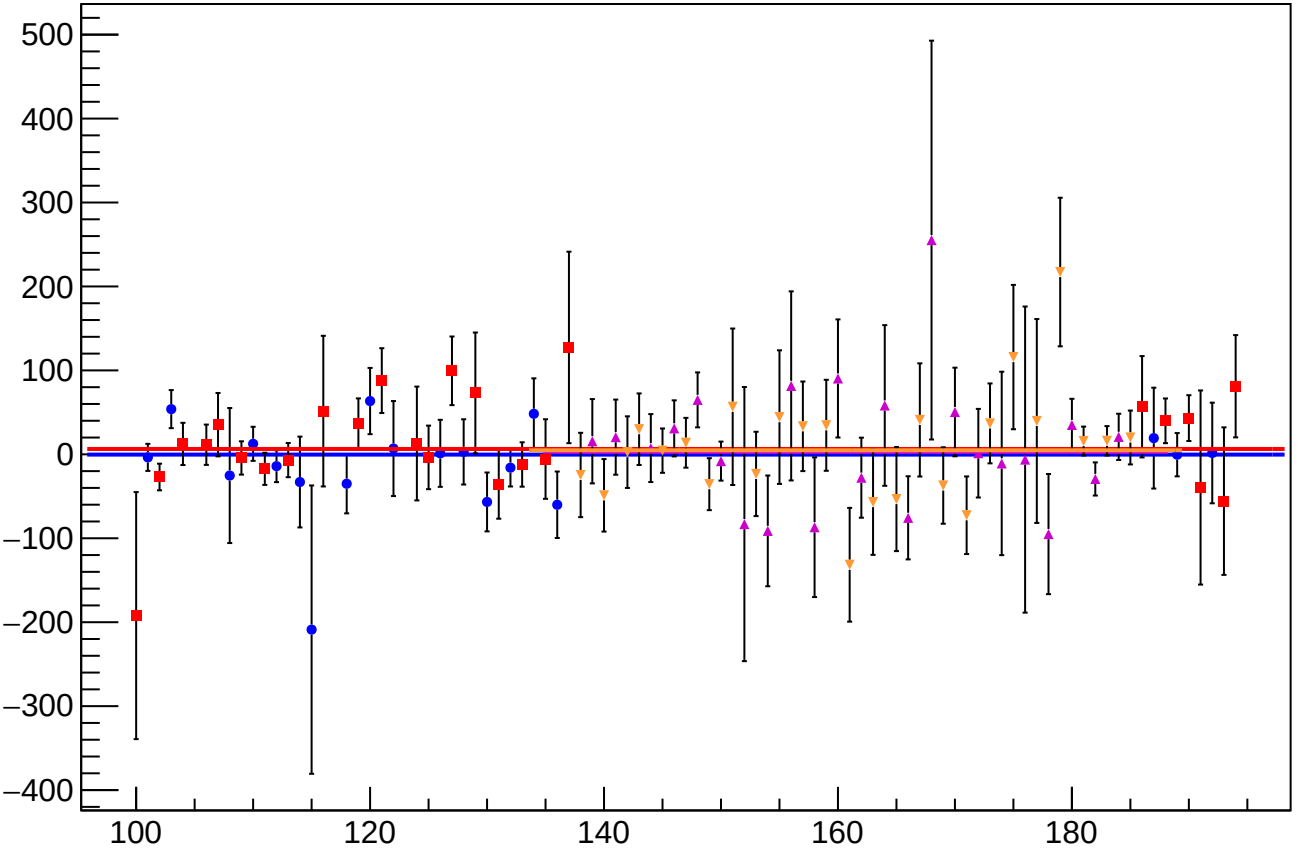
Right: 194.934+/-0.033 χ^2/NDF: 4086032.3/43

In: 186.185+/-0.027 χ^2/NDF:3304184.8/41

Out: 193.535+/-0.026 χ^2/NDF:4395993.2/49

All: 189.910+/-0.019 χ^2/NDF: 7739056.3/91

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.312+/-6.964 χ^2/NDF: 19.0/18

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: 6.394+/-6.282 χ^2/NDF: 30.0/24

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

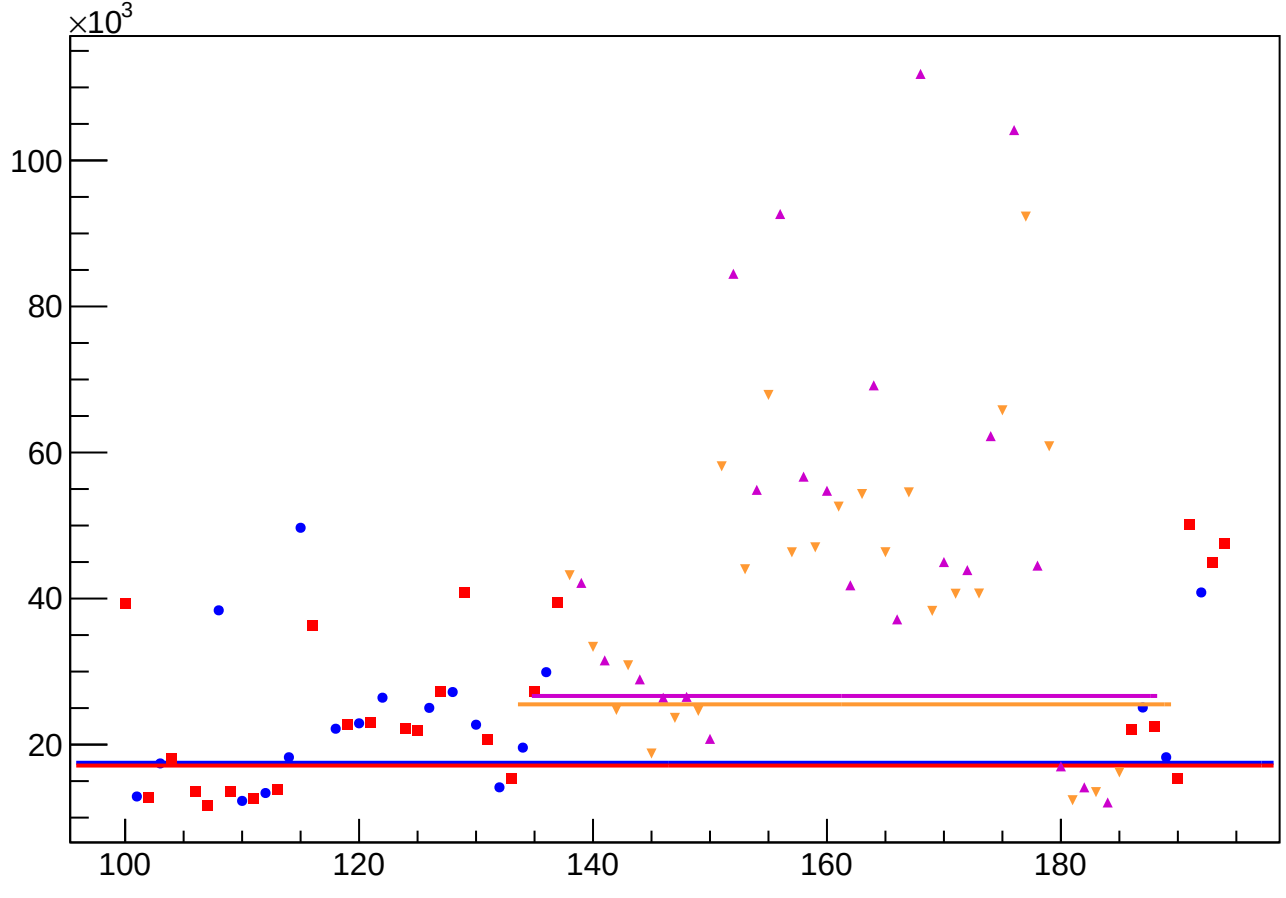
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 3.386+/-4.665 χ^2/NDF: 49.5/43

In: 0.925+/-5.470 χ^2/NDF:40.6/41

Out: 5.749+/-4.842 χ^2/NDF:54.3/49

All: 3.630+/-3.626 χ^2/NDF: 95.3/91



Right In: 17510.410+/-4.924 χ^2/NDF: 1540513.4/18

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 17129.470+/-4.442 χ^2/NDF: 2253805.7/24

Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

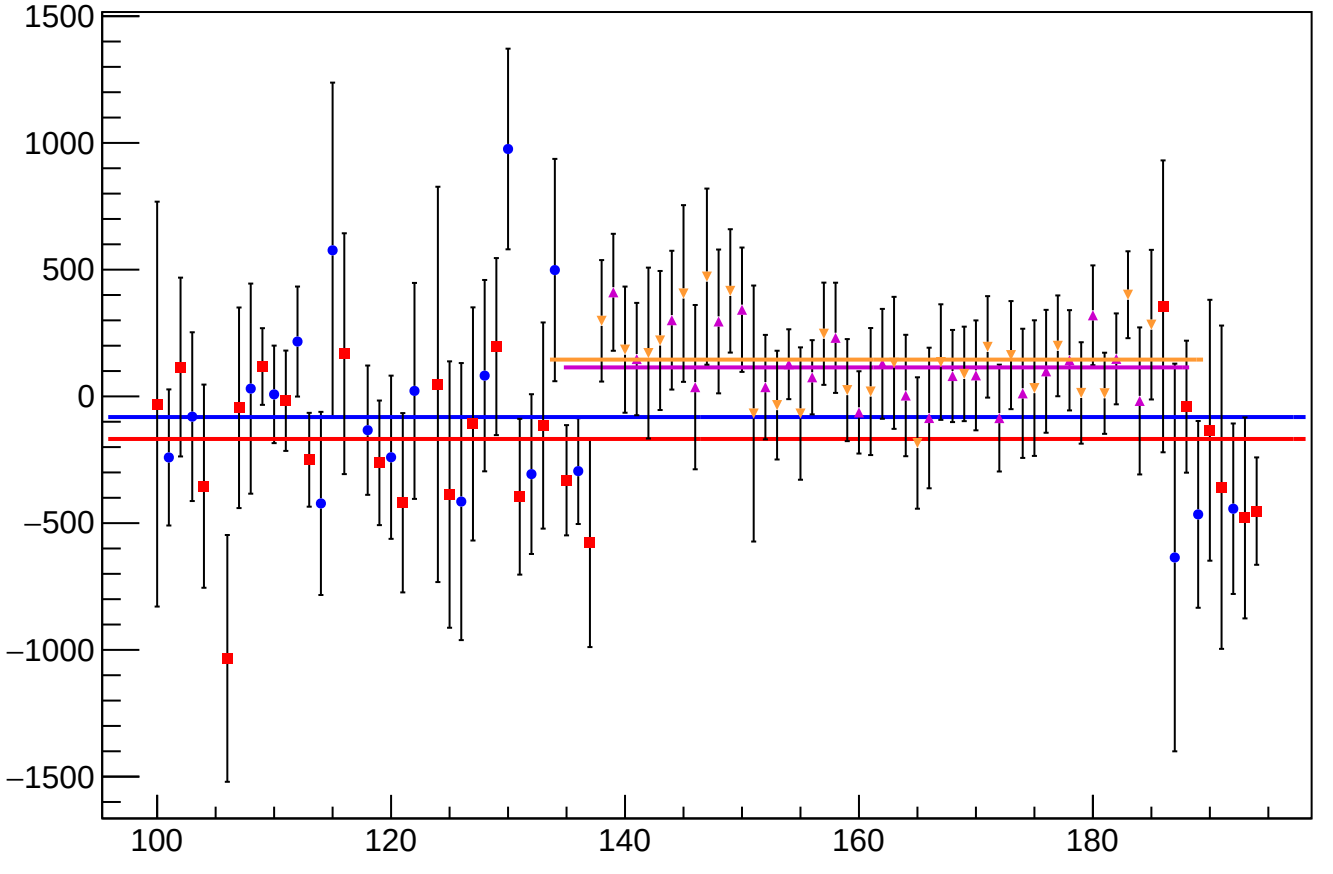
Left: 26000.695+/-4.075 χ^2/NDF: 13645179.5/47

Right: 17300.379+/-3.298 χ^2/NDF: 3797618.6/43

In: 21014.428+/-3.868 χ^2/NDF:8745969.5/41

Out: 20531.716+/-3.424 χ^2/NDF:11441838.7/49

All: 20743.777+/-2.564 χ^2/NDF: 20196539.4



Right In: -81.497+/-72.483 χ^2/NDF: 18.5/18

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: -167.935+/-61.038 χ^2/NDF: 16.7/24

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

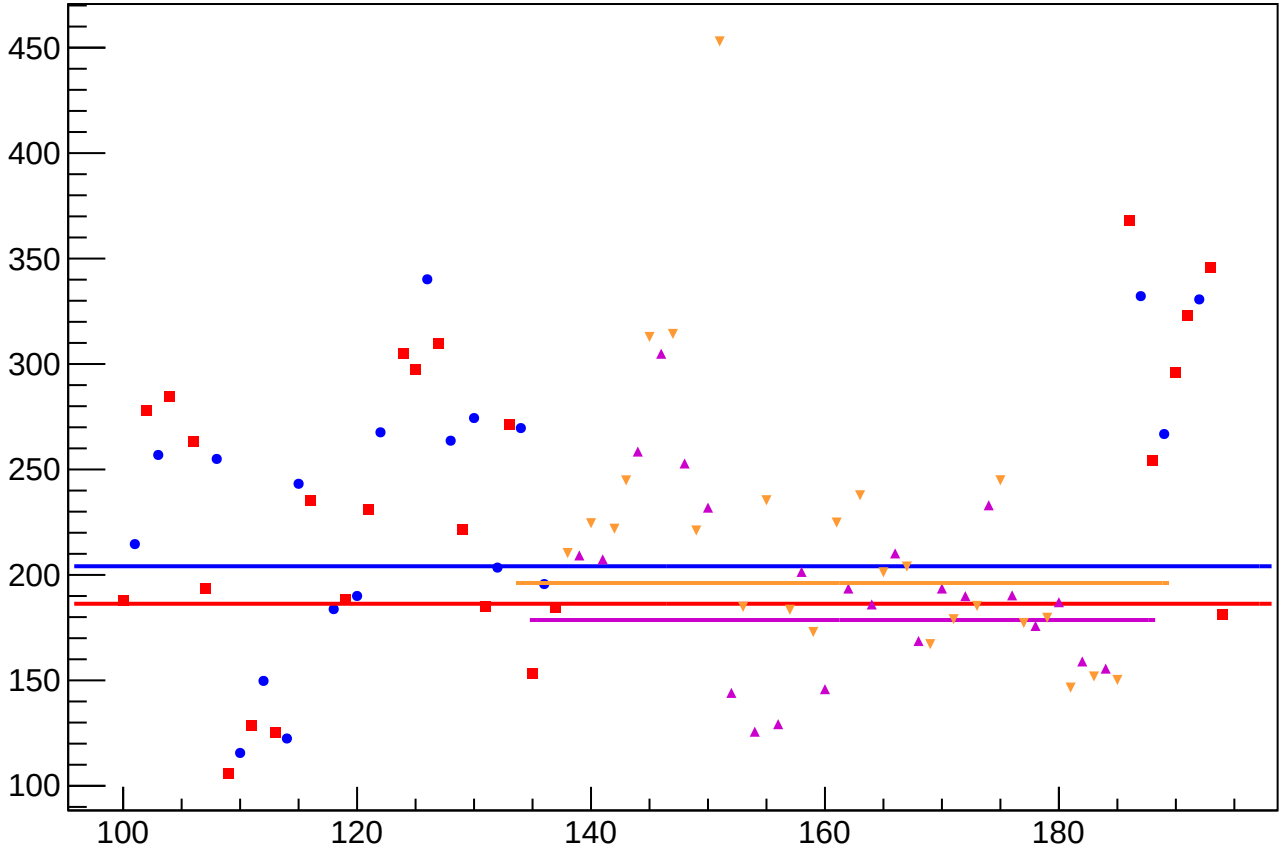
Right: -132.071+/-46.689 χ^2/NDF: 36.1/43

In: 62.317+/-37.374 χ^2/NDF:32.3/41

Out: 31.049+/-36.851 χ^2/NDF:44.6/49

All: 46.463+/-26.240 χ^2/NDF: 77.3/91

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 204.110+/-0.051 χ^2/NDF: 1484563.2/18

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 186.329+/-0.043 χ^2/NDF: 2591783.7/24

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

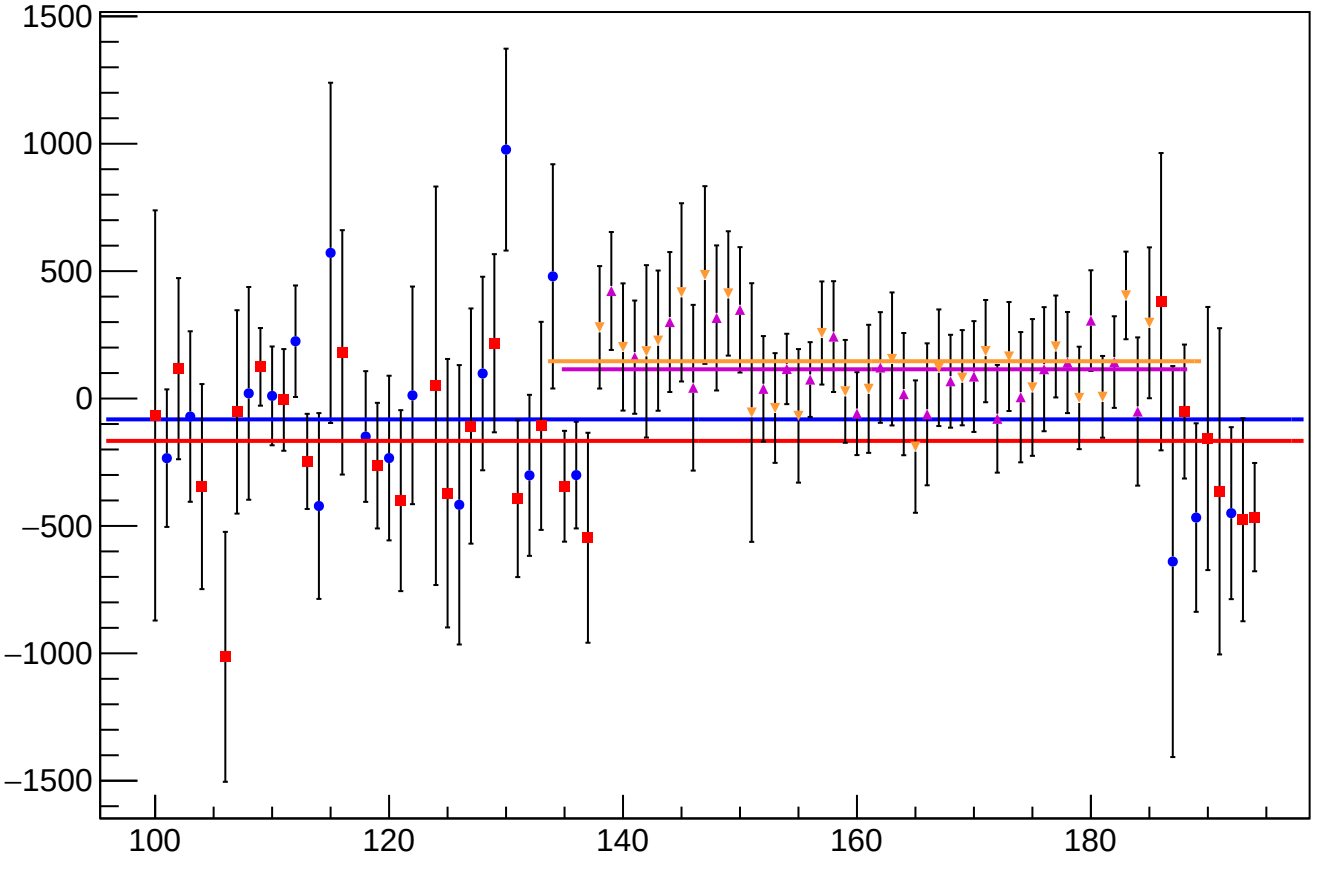
Right: 193.706+/-0.033 χ^2/NDF: 4146766.2/43

In: 185.397+/-0.026 χ^2/NDF:3318007.5/41

Out: 192.580+/-0.026 χ^2/NDF:4431665.0/49

All: 189.039+/-0.019 χ^2/NDF: 7787129.1/91

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -81.819+/-72.873 χ^2/NDF: 18.5/18

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: -166.239+/-61.382 χ^2/NDF: 16.8/24

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

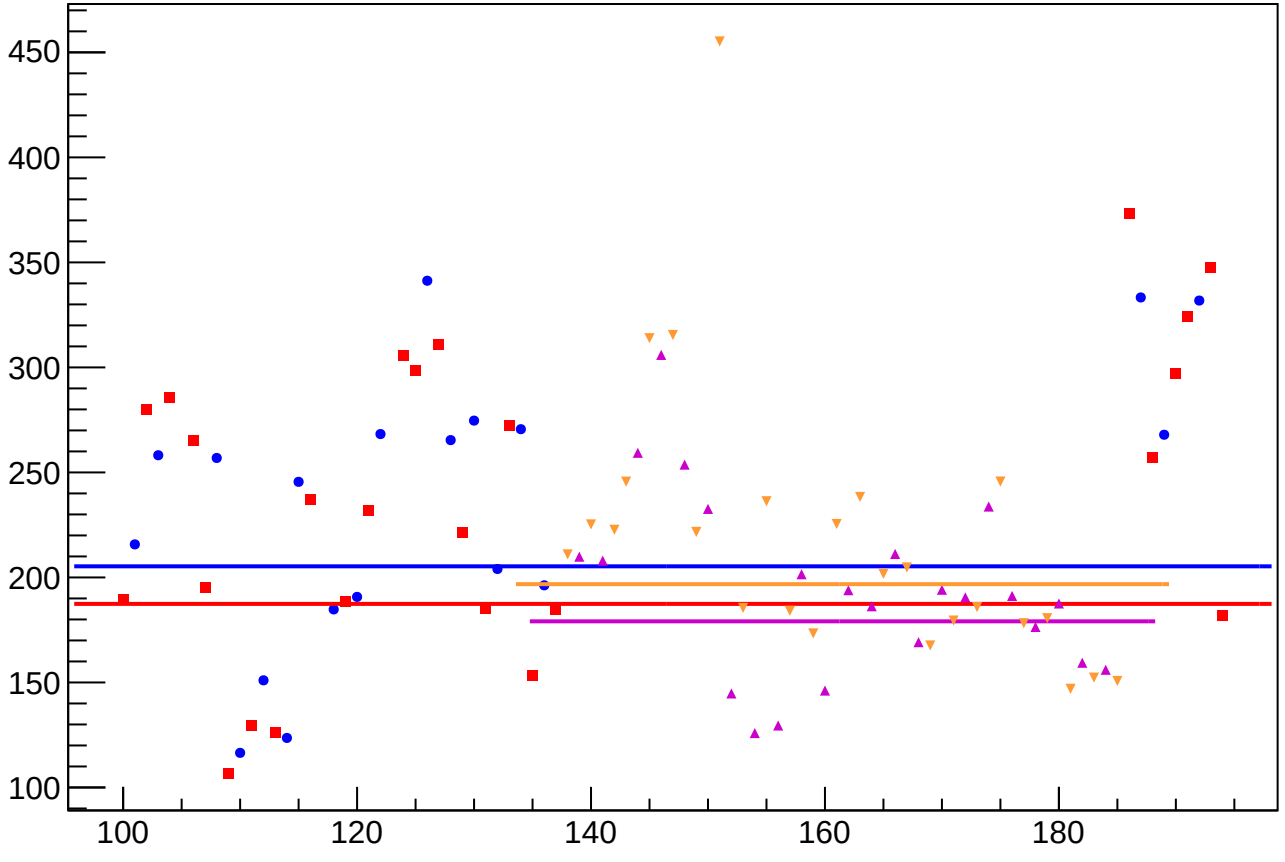
Right: -131.202+/-46.947 χ^2/NDF: 36.0/43

In: 62.730+/-37.503 χ^2/NDF:32.2/41

Out: 32.793+/-37.004 χ^2/NDF:44.7/49

All: 47.561+/-26.341 χ^2/NDF: 77.3/91

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 205.294+/-0.052 χ^2/NDF: 1470695.1/18

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 187.408+/-0.043 χ^2/NDF: 2584822.8/24

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

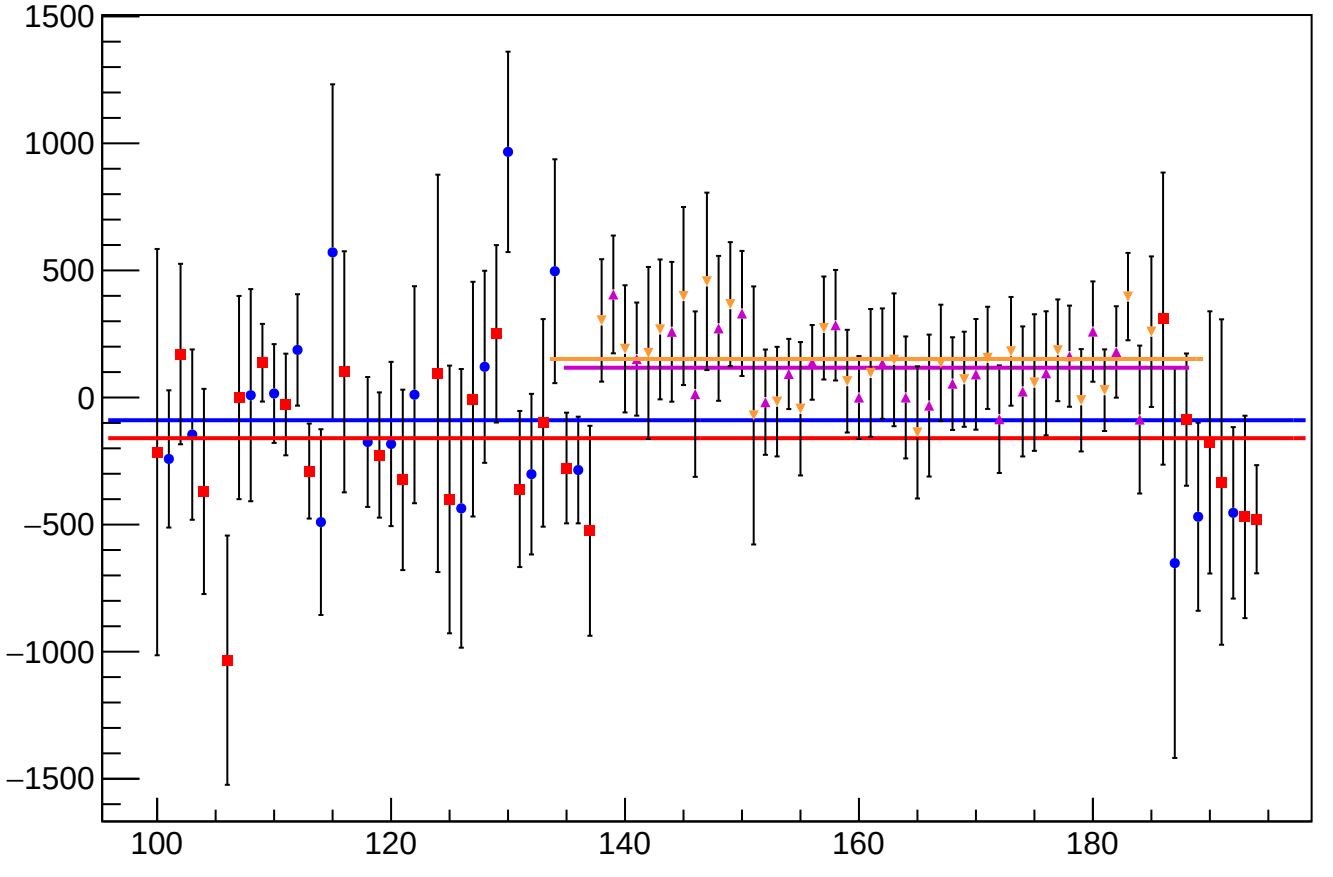
Right: 194.831+/-0.033 χ^2/NDF: 4125992.9/43

In: 186.038+/-0.027 χ^2/NDF:3316513.9/41

Out: 193.390+/-0.026 χ^2/NDF:4423269.9/49

All: 189.764+/-0.019 χ^2/NDF: 7778730.6/91

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -89.410+/-72.882 χ^2/NDF: 18.5/18

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -160.008+/-61.375 χ^2/NDF: 16.8/24

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

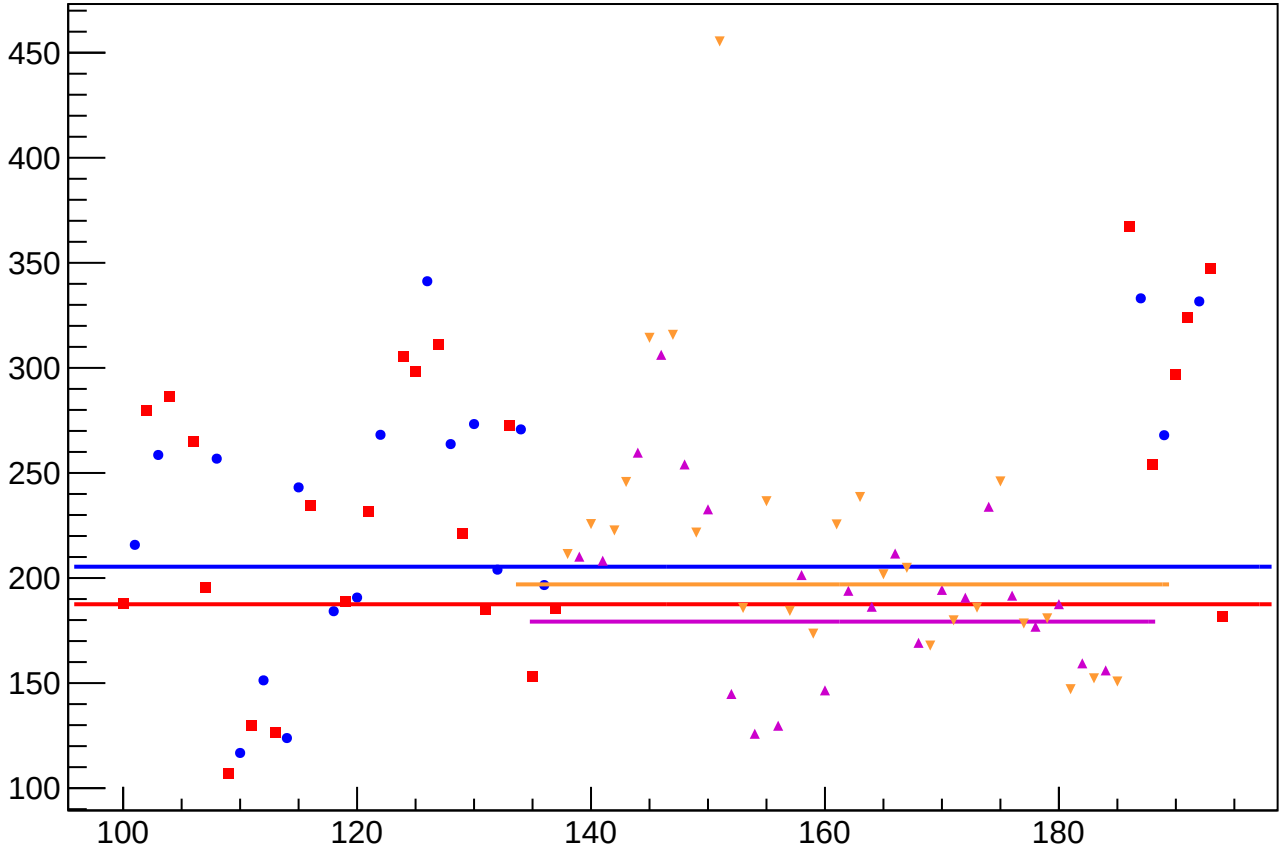
Right: -130.716+/-46.946 χ^2/NDF: 35.8/43

In: 62.392+/-37.528 χ^2/NDF:31.8/41

Out: 38.212+/-37.023 χ^2/NDF:42.8/49

All: 50.138+/-26.356 χ^2/NDF: 74.8/91

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 205.389+/-0.052 χ^2/NDF: 1459202.2/18

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 187.520+/-0.043 χ^2/NDF: 2556491.4/24

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

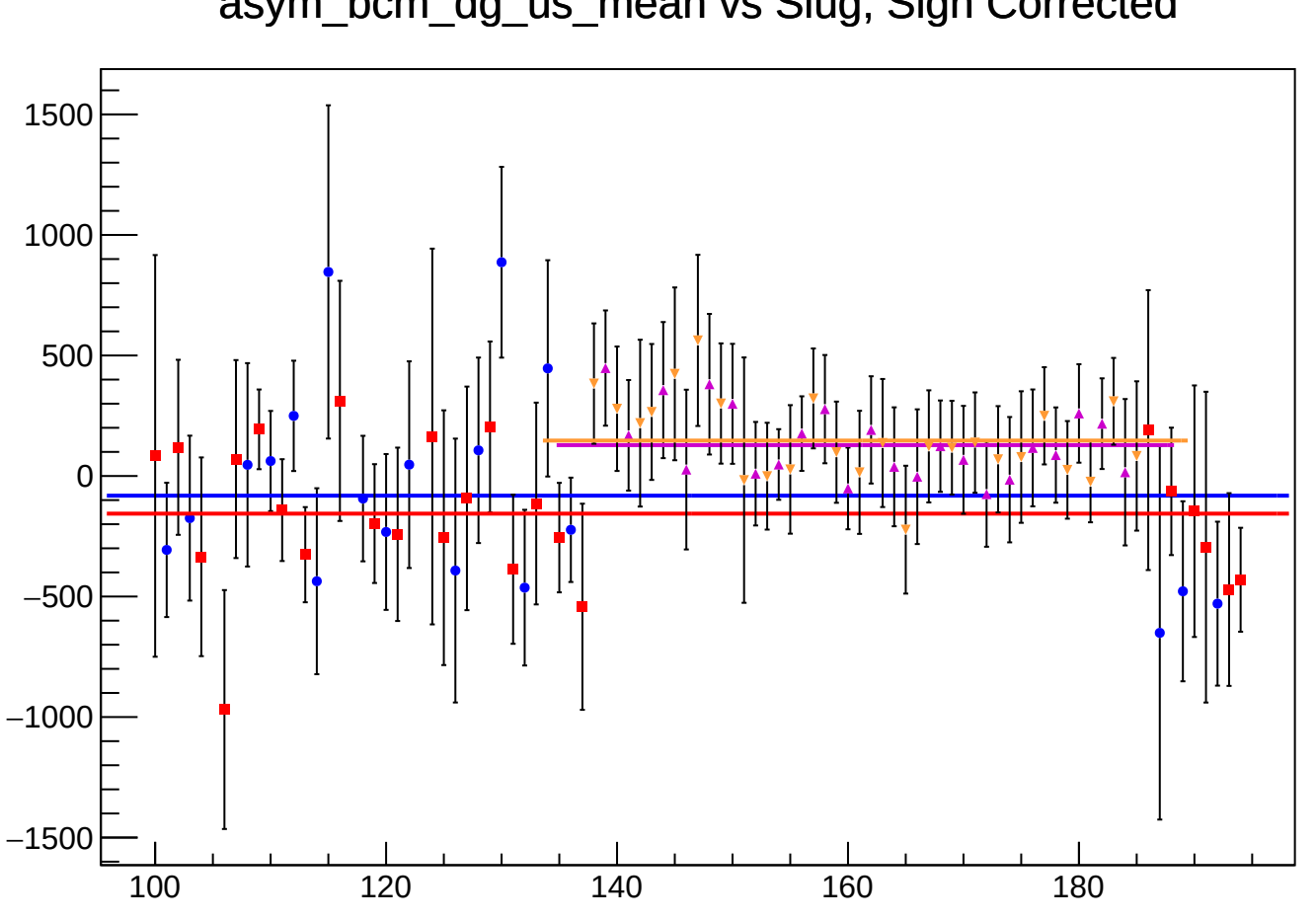
Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

Right: 194.934+/-0.033 χ^2/NDF: 4086032.3/43

In: 186.185+/-0.027 χ^2/NDF:3304184.8/41

Out: 193.535+/-0.026 χ^2/NDF:4395993.2/49

All: 189.910+/-0.019 χ^2/NDF: 7739056.3/91



Right In: -81.578+/-75.009 χ^2/NDF: 19.5/18

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: -156.141+/-63.528 χ^2/NDF: 15.6/24

Left In: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

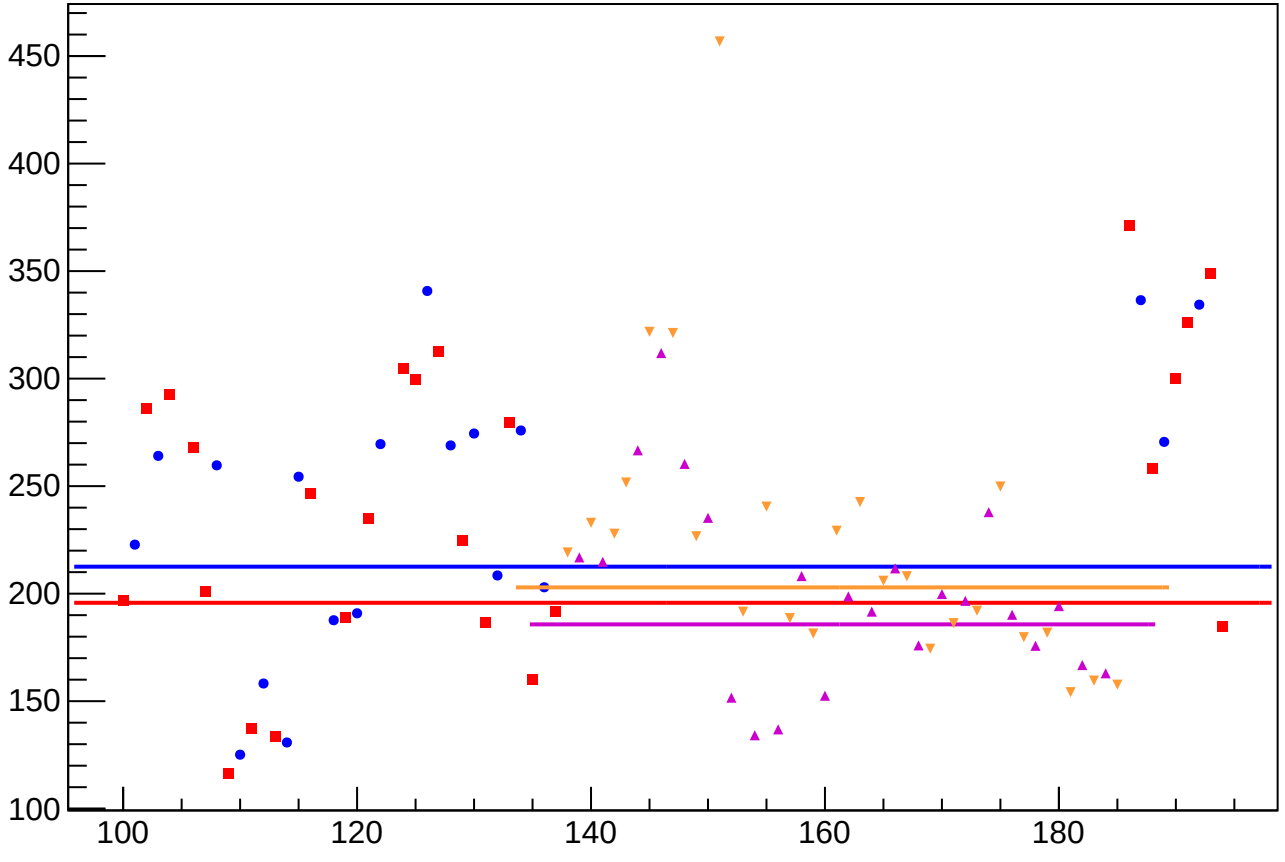
Right: -124.997+/-48.478 χ^2/NDF: 35.7/43

In: 72.288+/-38.714 χ^2/NDF:33.8/41

Out: 37.667+/-38.149 χ^2/NDF:40.4/49

All: 54.723+/-27.173 χ^2/NDF: 74.6/91

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 212.550+/-0.053 χ^2/NDF: 1301550.2/18

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 195.750+/-0.045 χ^2/NDF: 2278186.0/24

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

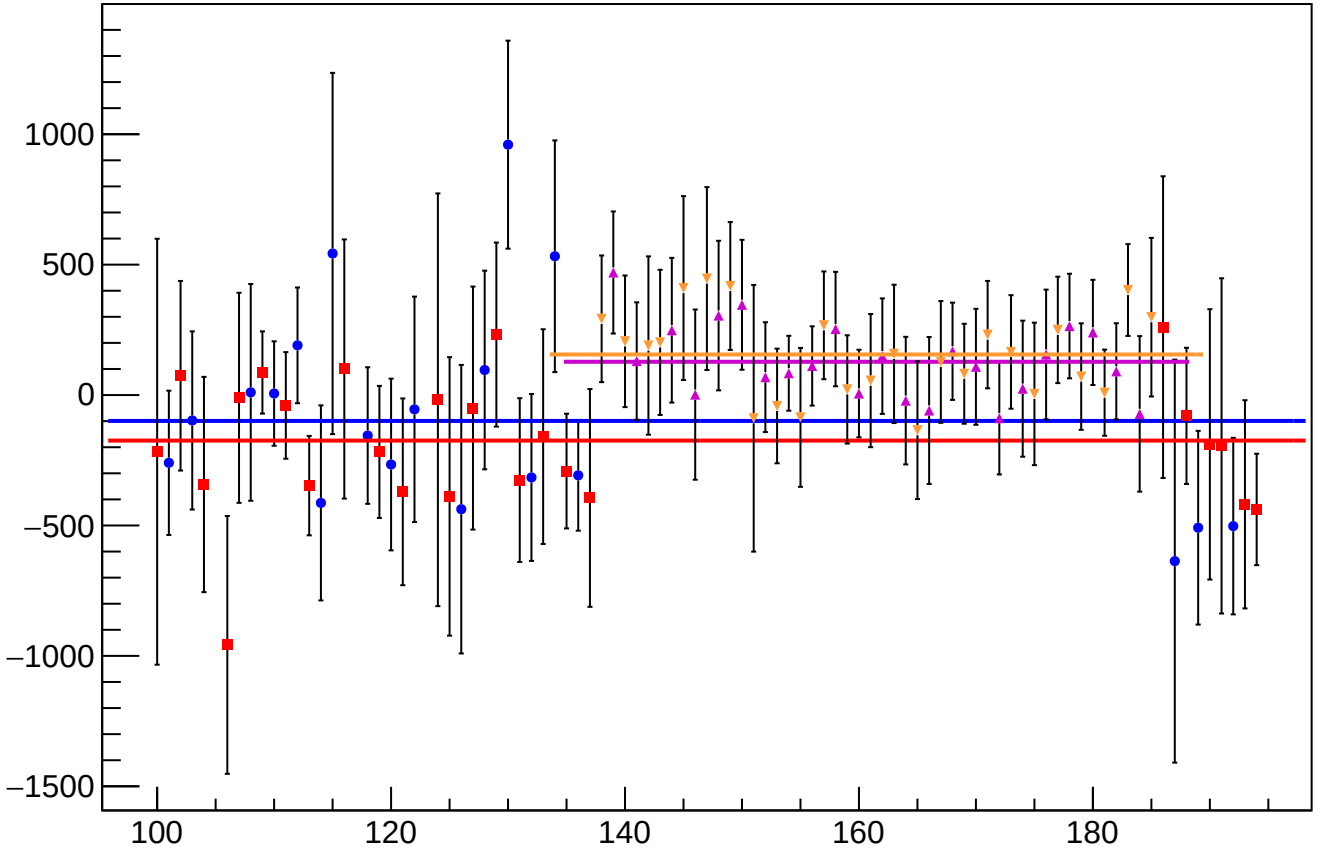
Right: 202.767+/-0.034 χ^2/NDF: 3638163.4/43

In: 192.864+/-0.027 χ^2/NDF:2978820.0/41

Out: 200.334+/-0.027 χ^2/NDF:3994593.4/49

All: 196.654+/-0.019 χ^2/NDF: 7011193.5/91

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: -99.157+/-74.074 χ^2/NDF: 18.5/18

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: -174.504+/-62.421 χ^2/NDF: 12.9/24

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

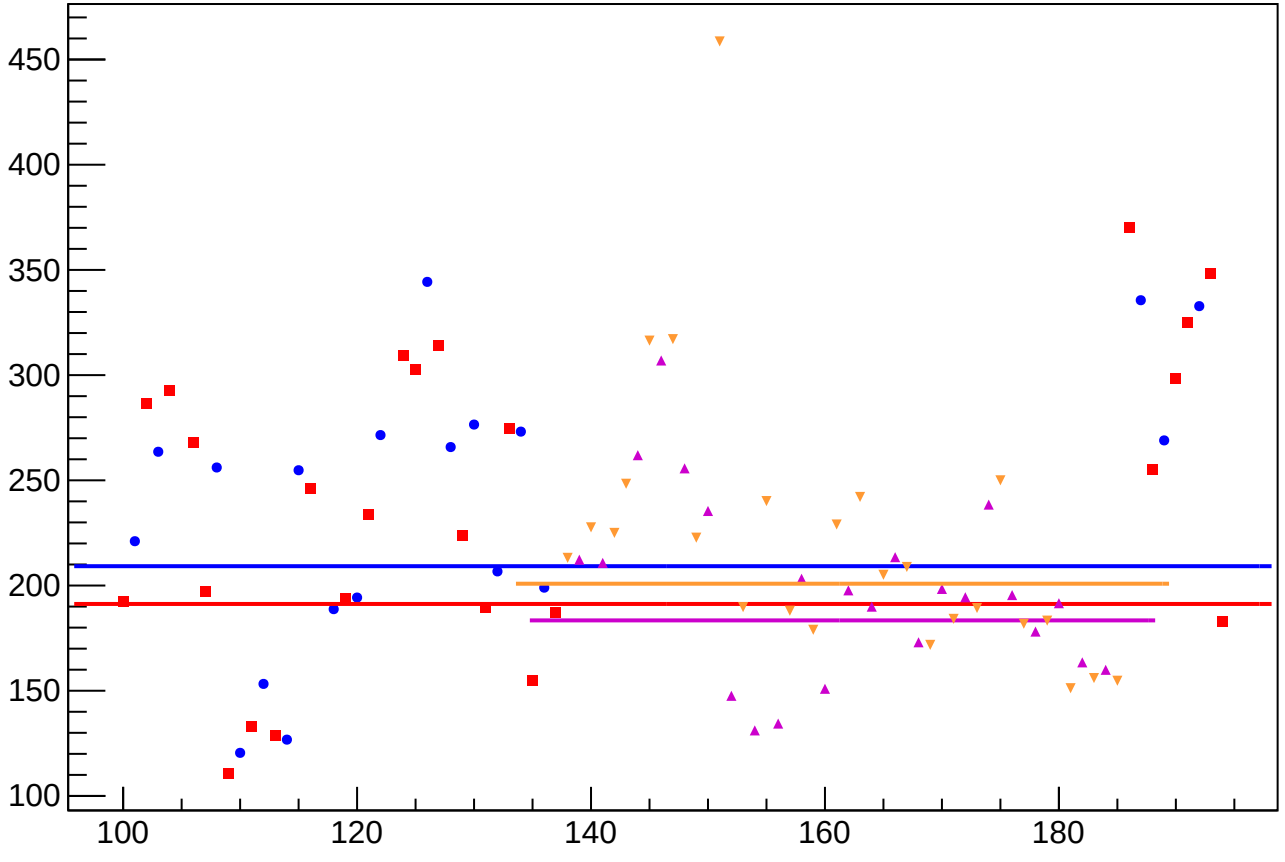
Right: -143.216+/-47.733 χ^2/NDF: 32.1/43

In: 67.116+/-38.270 χ^2/NDF:33.4/41

Out: 35.341+/-37.681 χ^2/NDF:41.4/49

All: 50.982+/-26.850 χ^2/NDF: 75.1/91

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 209.195+/-0.052 χ^2/NDF: 1402285.4/18

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 191.243+/-0.044 χ^2/NDF: 2478535.5/24

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

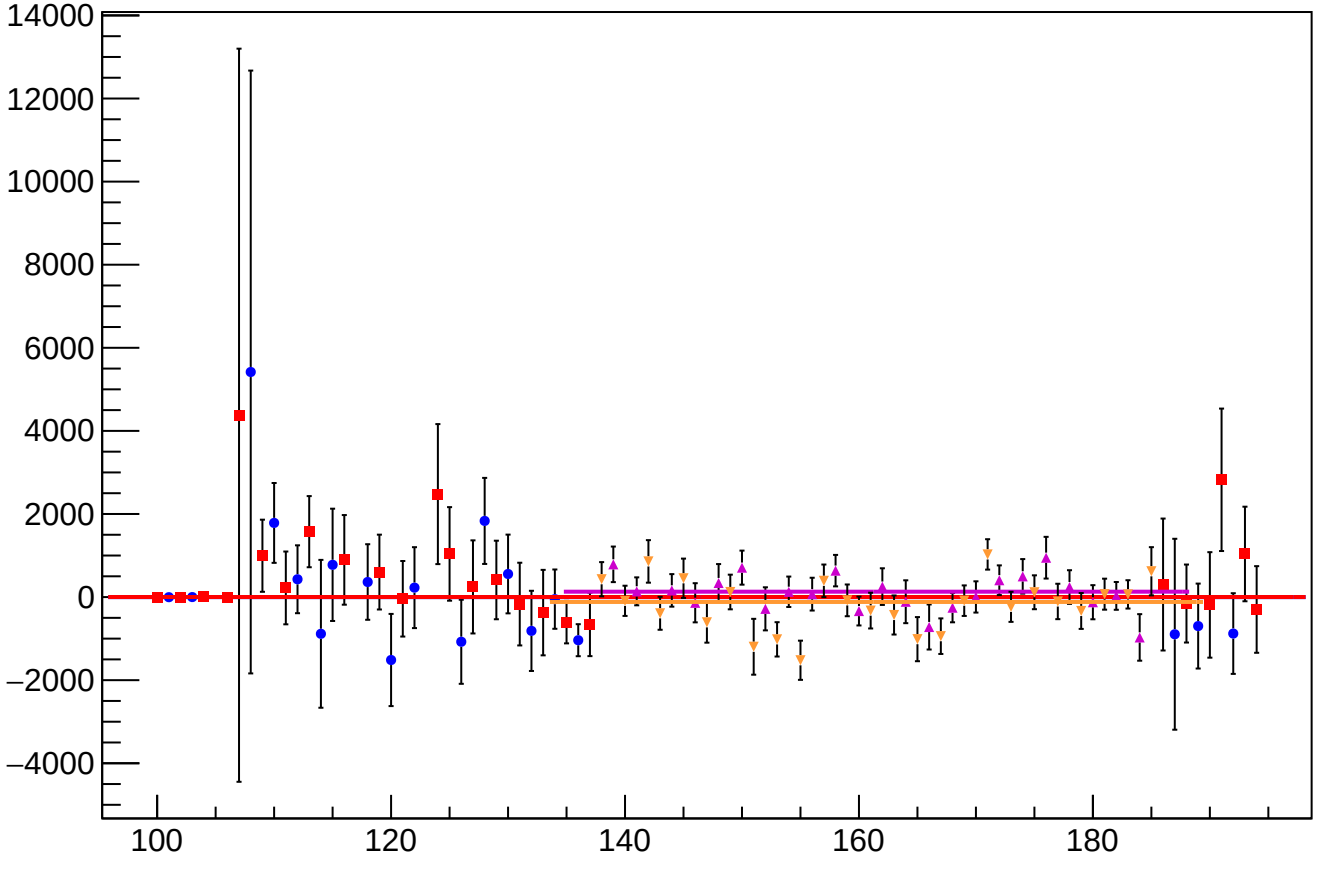
Right: 198.698+/-0.034 χ^2/NDF: 3949505.2/43

In: 190.310+/-0.027 χ^2/NDF:3110294.9/41

Out: 197.359+/-0.027 χ^2/NDF:4236139.9/49

All: 193.889+/-0.019 χ^2/NDF: 7380888.1/91

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.247+/-2.171 χ^2/NDF: 21.3/18

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: 1.383+/-2.022 χ^2/NDF: 20.6/24

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

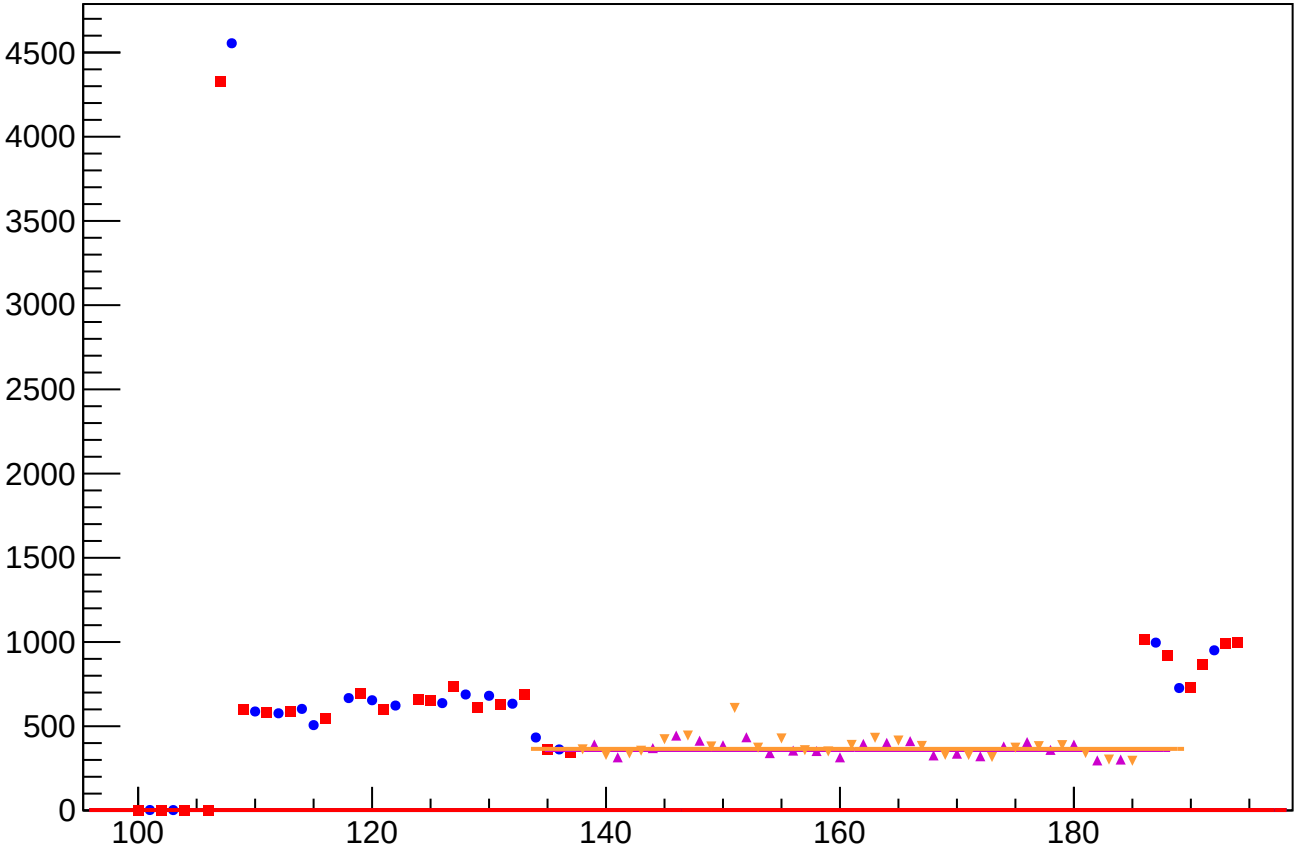
Right: 0.161+/-1.480 χ^2/NDF: 42.7/43

In: -1.162+/-2.170 χ^2/NDF:45.4/41

Out: 1.314+/-2.022 χ^2/NDF:68.9/49

All: 0.164+/-1.479 χ^2/NDF: 115.0/91

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.486+/-0.002 χ^2/NDF: 14913004.3/18

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.478+/-0.001 χ^2/NDF: 18743653.2/24

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

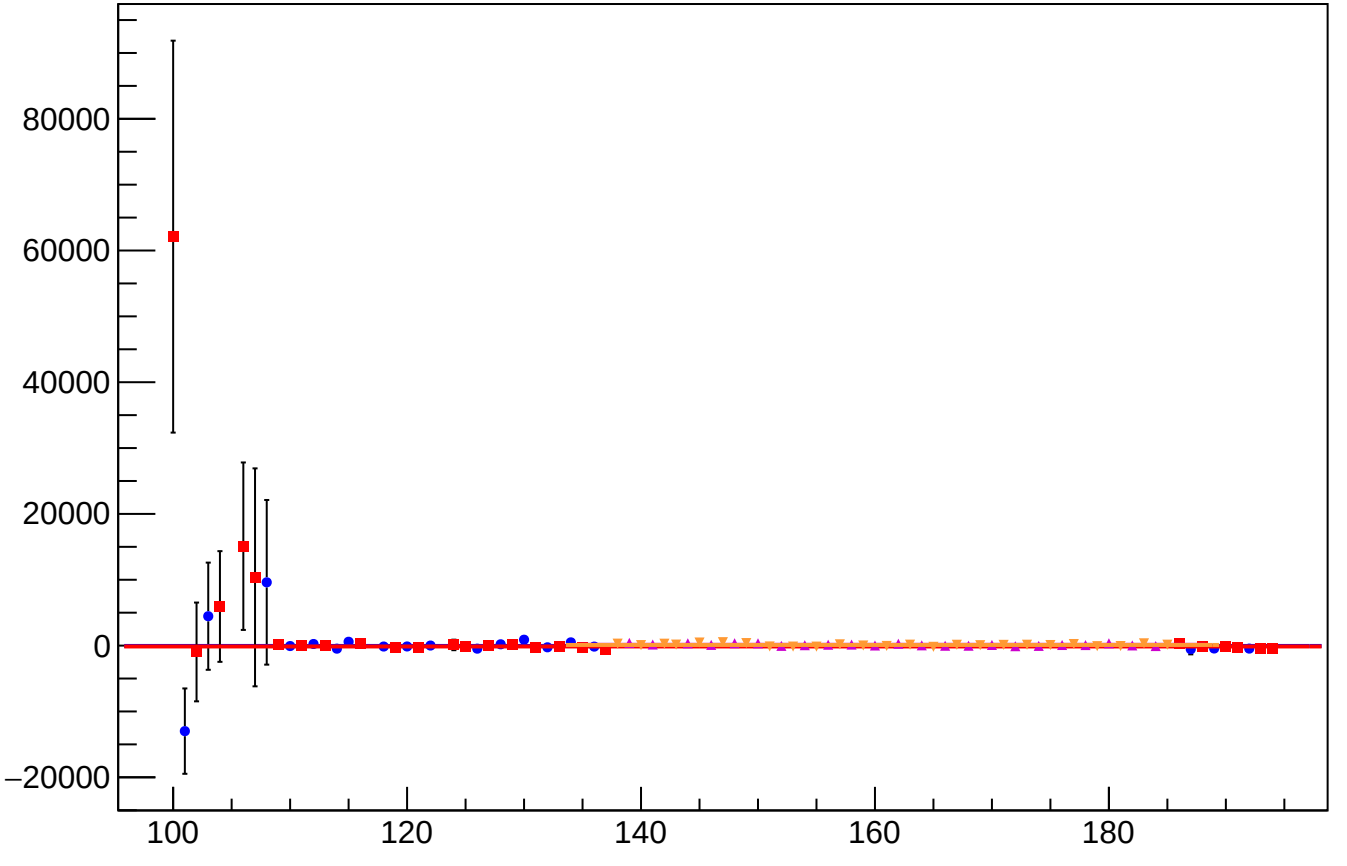
Right: 2.482+/-0.001 χ^2/NDF: 33656670.8/43

In: 2.718+/-0.002 χ^2/NDF:50463482.9/41

Out: 2.687+/-0.001 χ^2/NDF:56581591.6/49

All: 2.701+/-0.001 χ^2/NDF: 107045283.2/91

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: -52.074+/-82.604 χ^2/NDF: 20.0/18

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: -130.112+/-71.114 χ^2/NDF: 18.1/24

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

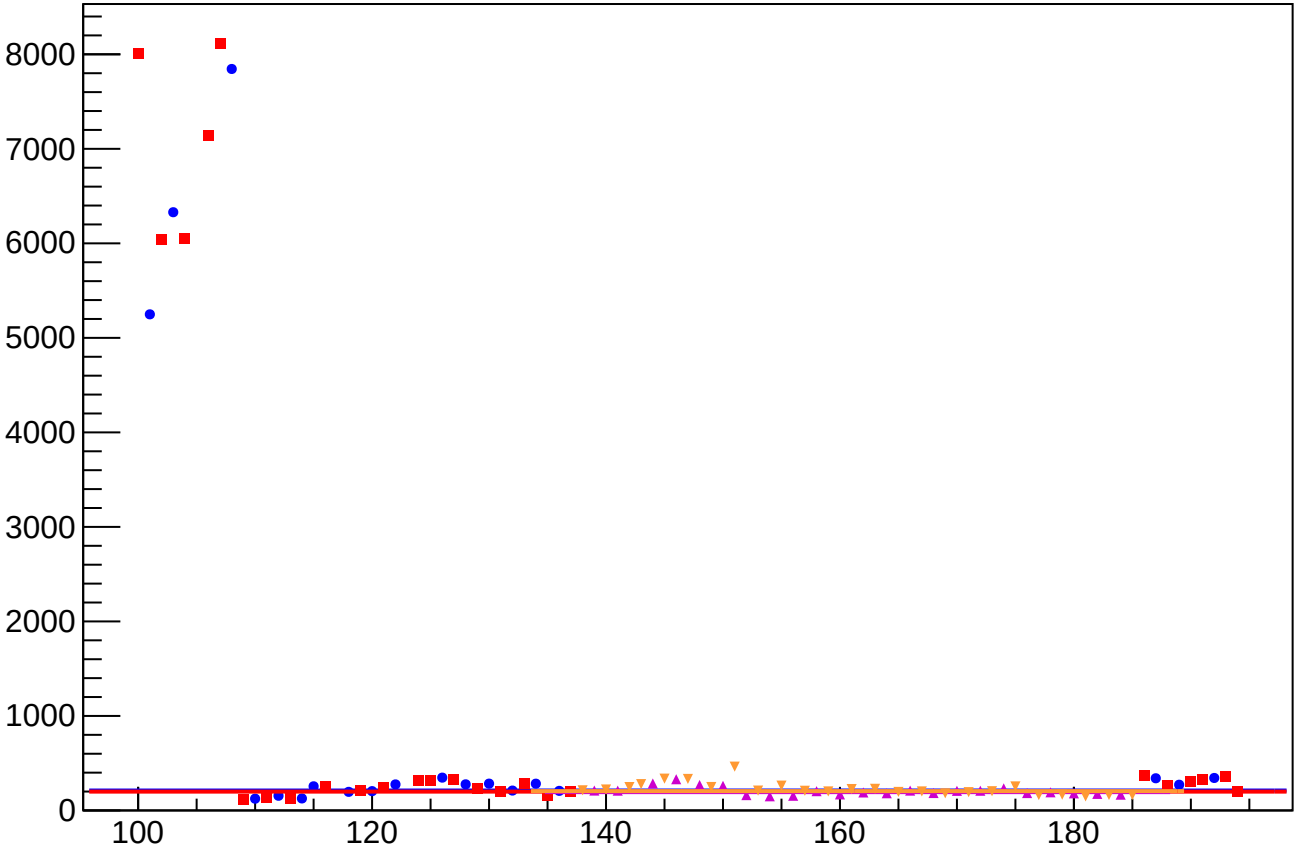
Right: -96.894+/-53.894 χ^2/NDF: 38.6/43

In: 77.481+/-40.822 χ^2/NDF:32.5/41

Out: 27.188+/-39.927 χ^2/NDF:38.0/49

All: 51.777+/-28.544 χ^2/NDF: 71.3/91

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 210.975+/-0.058 χ^2/NDF: 4399847.3/18

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 199.315+/-0.050 χ^2/NDF: 5283438.0/24

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

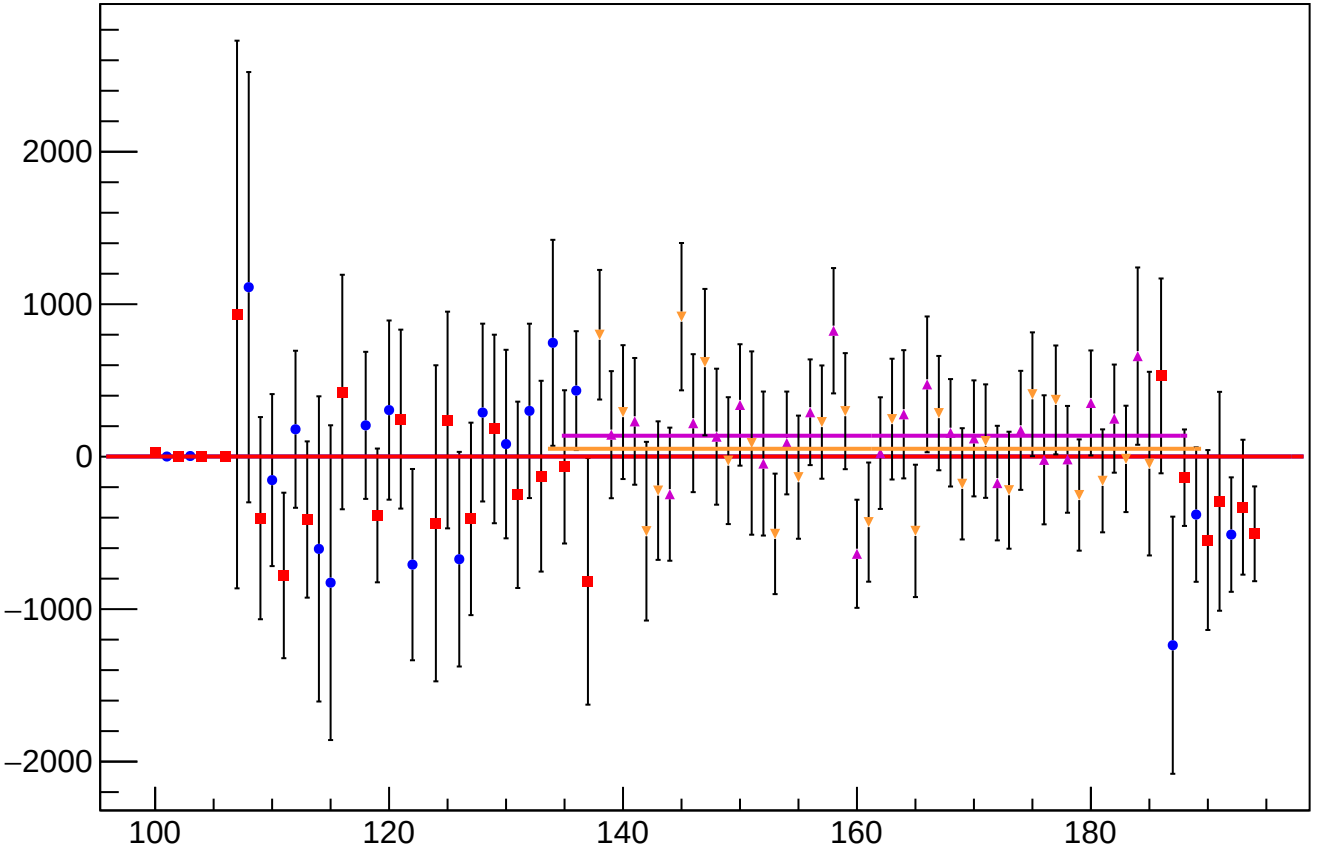
Right: 204.278+/-0.038 χ^2/NDF: 9706171.6/43

In: 198.066+/-0.029 χ^2/NDF:5656057.6/41

Out: 202.921+/-0.028 χ^2/NDF:7266062.8/49

All: 200.548+/-0.020 χ^2/NDF: 12936575.8/91

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.435+/-1.660 χ^2/NDF: 12.7/18

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: 1.072+/-1.528 χ^2/NDF: 14.3/24

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

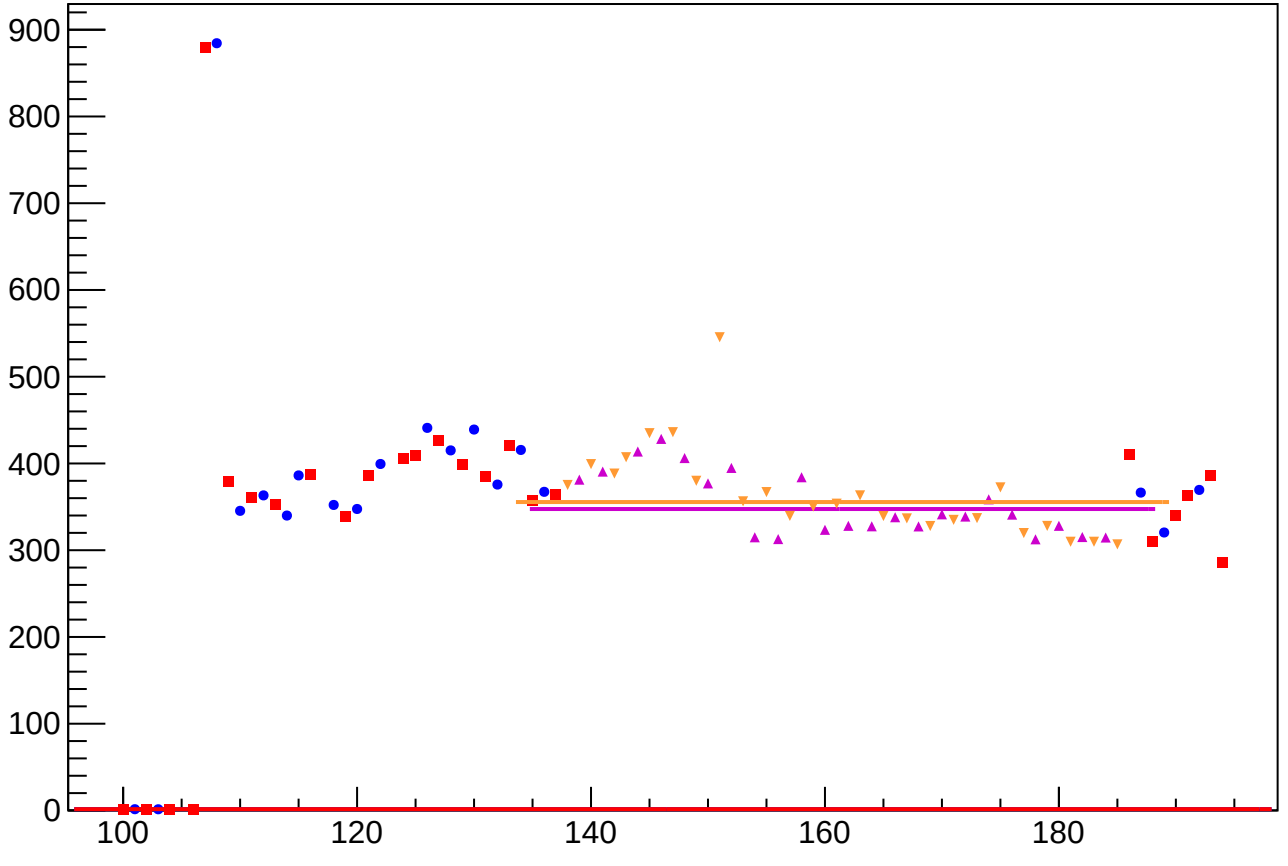
Right: 1.239+/-1.124 χ^2/NDF: 27.0/43

In: 1.491+/-1.660 χ^2/NDF:27.6/41

Out: 1.090+/-1.527 χ^2/NDF:34.1/49

All: 1.274+/-1.124 χ^2/NDF: 61.7/91

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.483+/-0.001 χ^2/NDF: 15078493.0/18

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.492+/-0.001 χ^2/NDF: 18341812.9/24

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

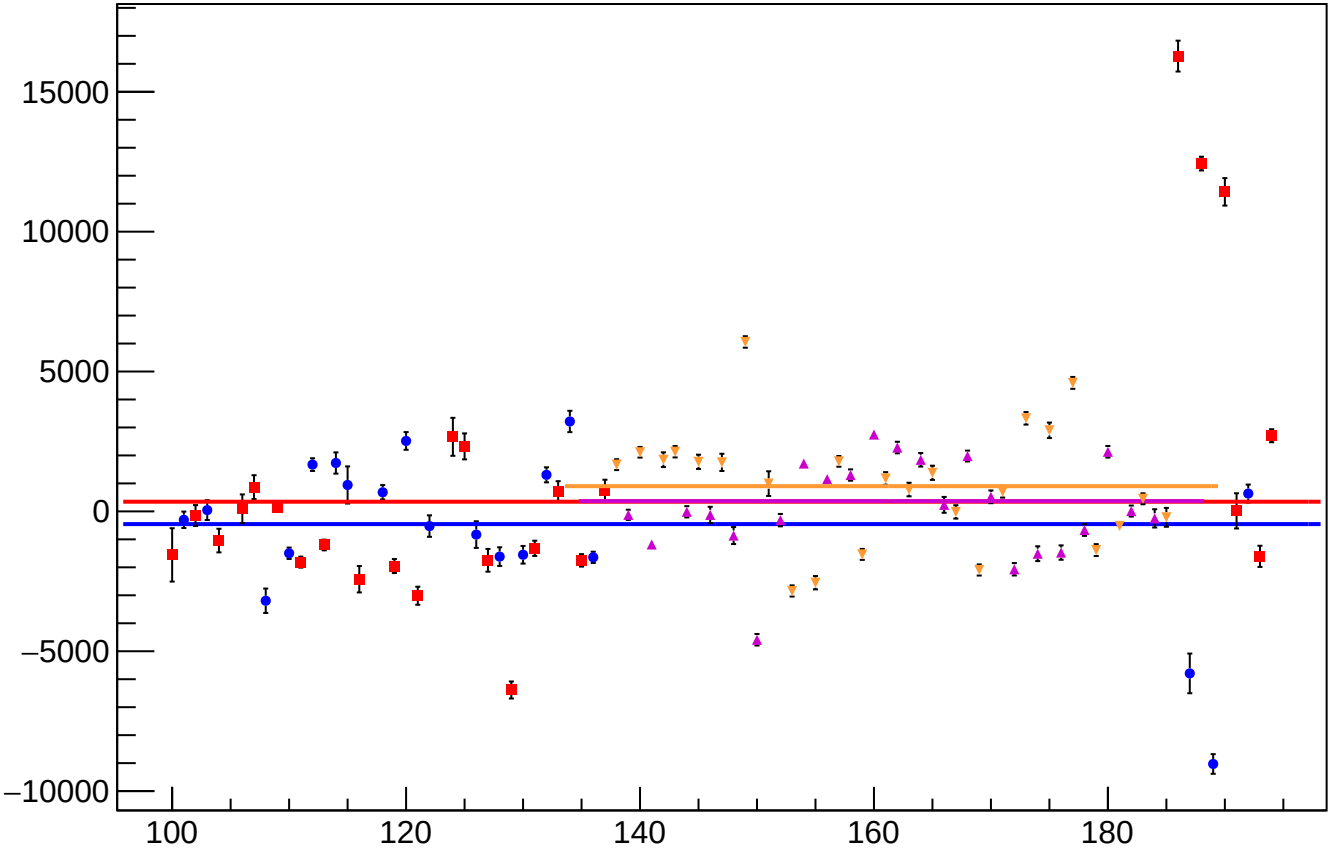
Right: 1.488+/-0.001 χ^2/NDF: 33420335.9/43

In: 1.625+/-0.001 χ^2/NDF:50921073.1/41

Out: 1.616+/-0.001 χ^2/NDF:56548812.1/49

All: 1.620+/-0.001 χ^2/NDF: 107469913.4/91

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -454.807+/-71.050 χ^2/NDF: 1160.8/18

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: 345.751+/-61.788 χ^2/NDF: 5008.1/24

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

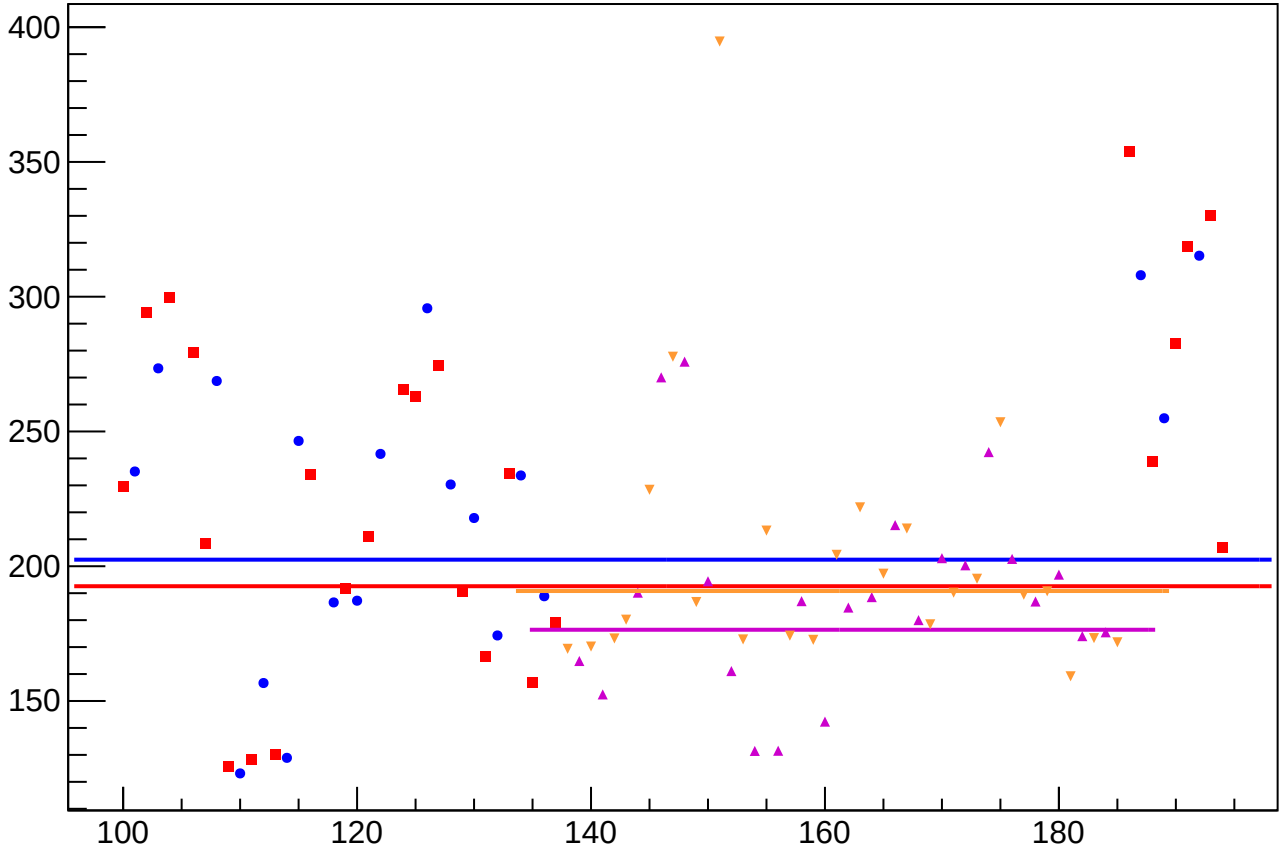
Right: 1.019+/-46.624 χ^2/NDF: 6241.2/43

In: 149.859+/-36.599 χ^2/NDF:2852.4/41

Out: 711.779+/-36.100 χ^2/NDF:7472.3/49

All: 434.677+/-25.701 χ^2/NDF: 10444.2/91

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 202.434+/-0.050 χ^2/NDF: 1129118.2/18

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 192.582+/-0.044 χ^2/NDF: 1986757.5/24

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

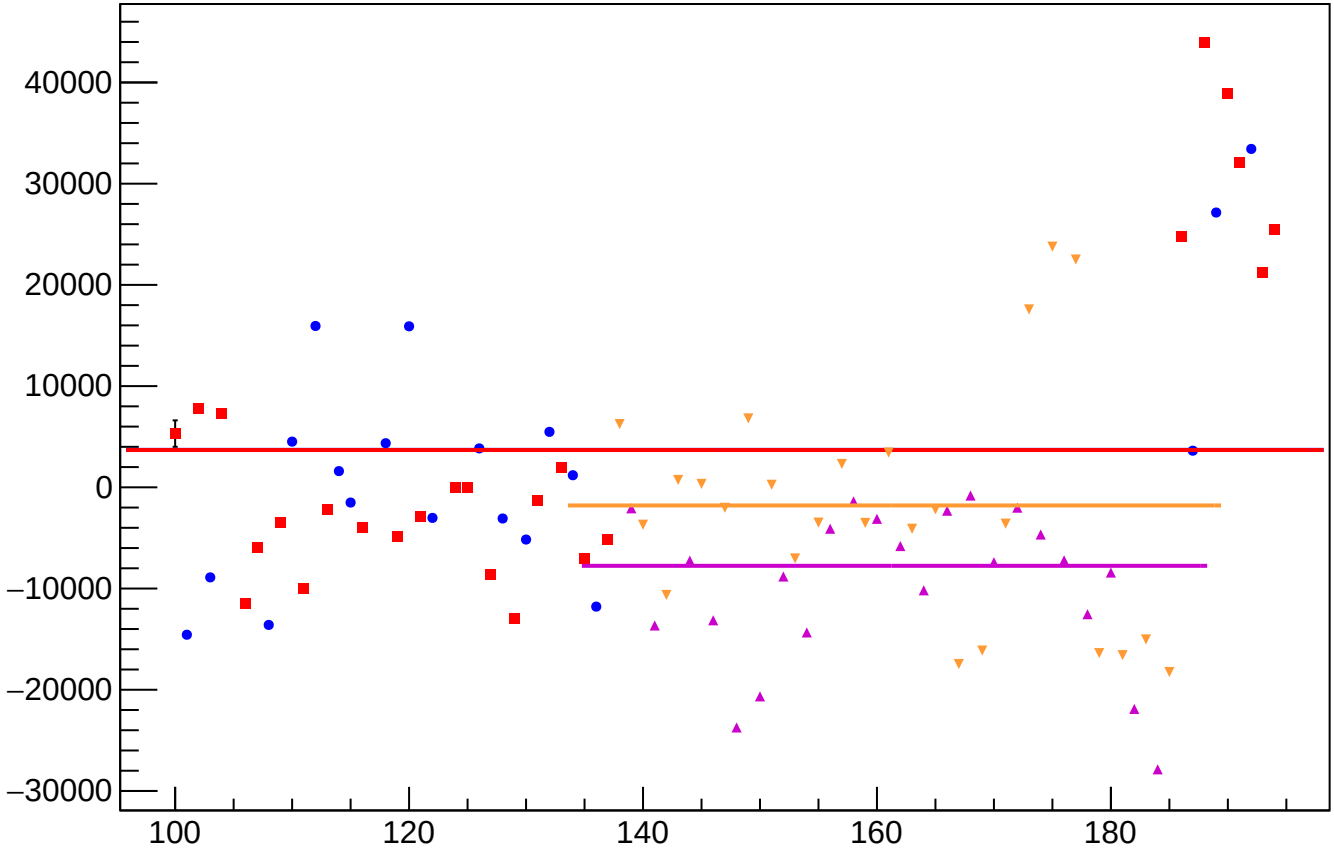
Right: 196.824+/-0.033 χ^2/NDF: 3137773.9/43

In: 183.331+/-0.026 χ^2/NDF:2583583.1/41

Out: 191.409+/-0.026 χ^2/NDF:3007449.6/49

All: 187.425+/-0.018 χ^2/NDF: 5640416.0/91

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 3701.488+/-50.519 χ^2/NDF: 70052.0/18

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 3684.732+/-45.640 χ^2/NDF: 128222.5/24

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

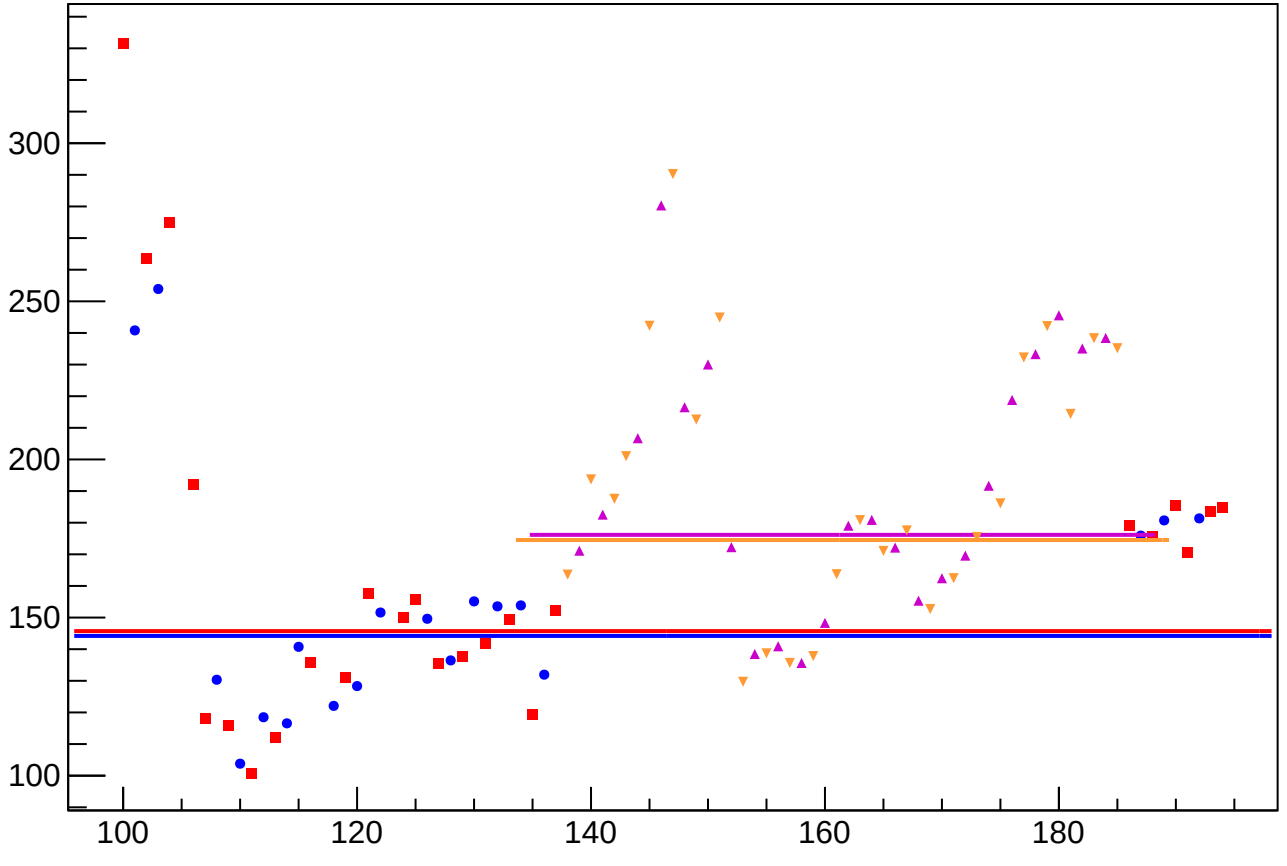
Right: 3692.262+/-33.866 χ^2/NDF: 198274.6/43

In: -2997.463+/-32.554 χ^2/NDF:123400.1/41

Out: 648.930+/-30.463 χ^2/NDF:201948.0/49

All: -1053.416+/-22.243 χ^2/NDF: 332037.1/9

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 144.196+/-0.036 χ^2/NDF: 814191.8/18

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 145.718+/-0.032 χ^2/NDF: 1242826.1/24

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

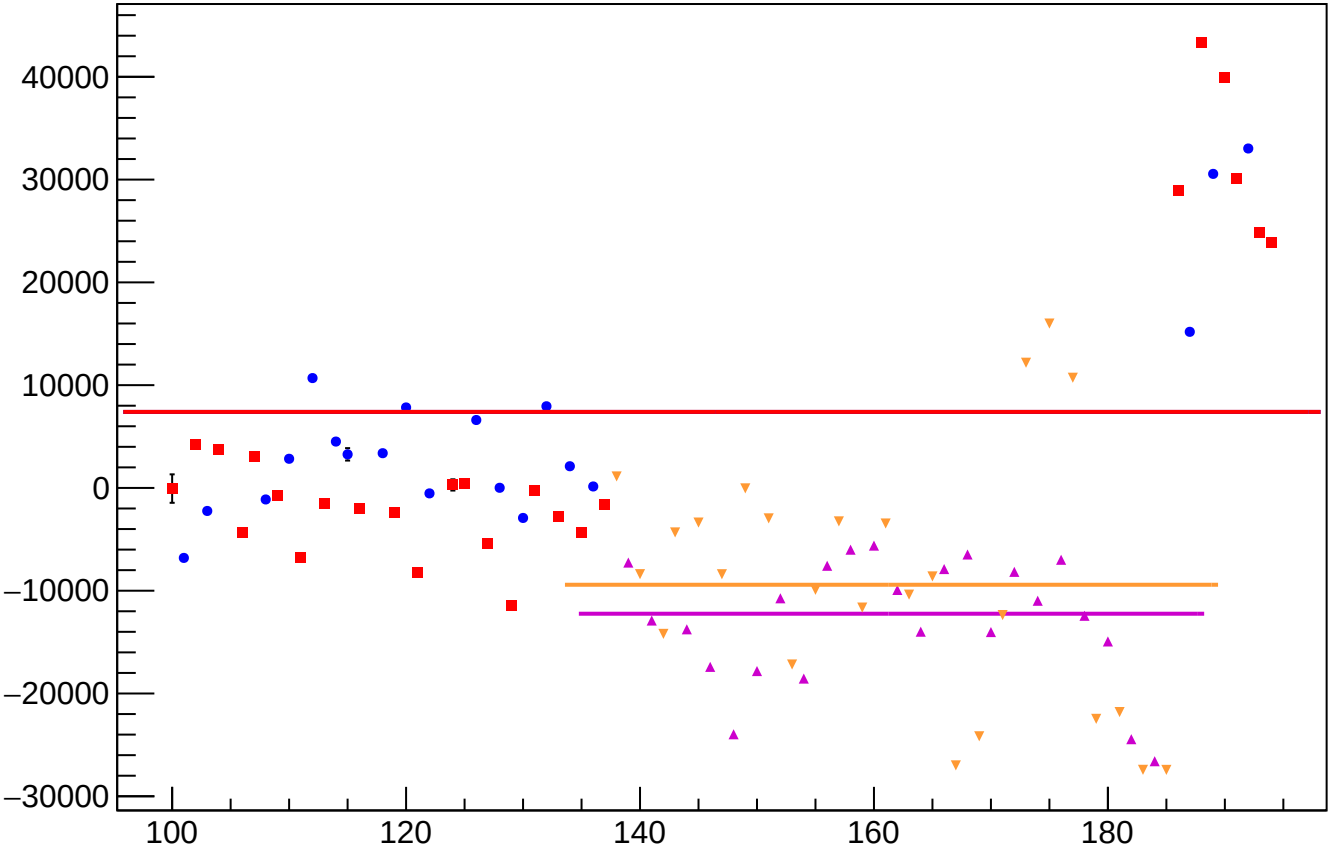
Right: 145.034+/-0.024 χ^2/NDF: 2058016.9/43

In: 162.884+/-0.023 χ^2/NDF:2649275.6/41

Out: 161.688+/-0.022 χ^2/NDF:3343969.4/49

All: 162.247+/-0.016 χ^2/NDF: 5994683.4/91

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 7393.072+/-63.070 χ^2/NDF: 32076.8/18

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 7399.638+/-54.854 χ^2/NDF: 97520.3/24

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

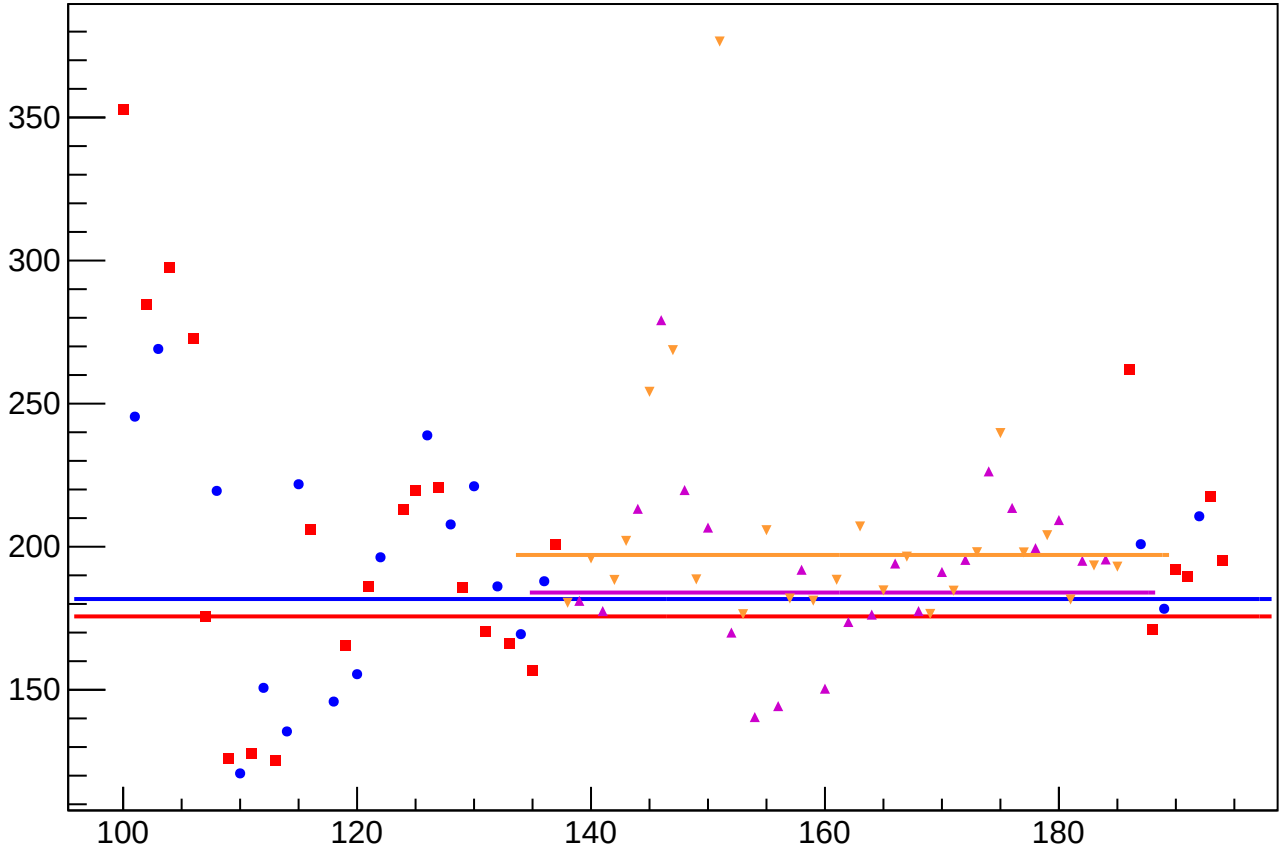
Right: 7396.810+/-41.390 χ^2/NDF: 129597.1/43

In: -5773.570+/-36.194 χ^2/NDF:113073.8/41

Out: -2529.278+/-35.110 χ^2/NDF:217740.9/49

All: -4102.155+/-25.201 χ^2/NDF: 334954.1/9

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 181.721+/-0.045 χ^2/NDF: 719002.3/18

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 175.646+/-0.039 χ^2/NDF: 1176979.0/24

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

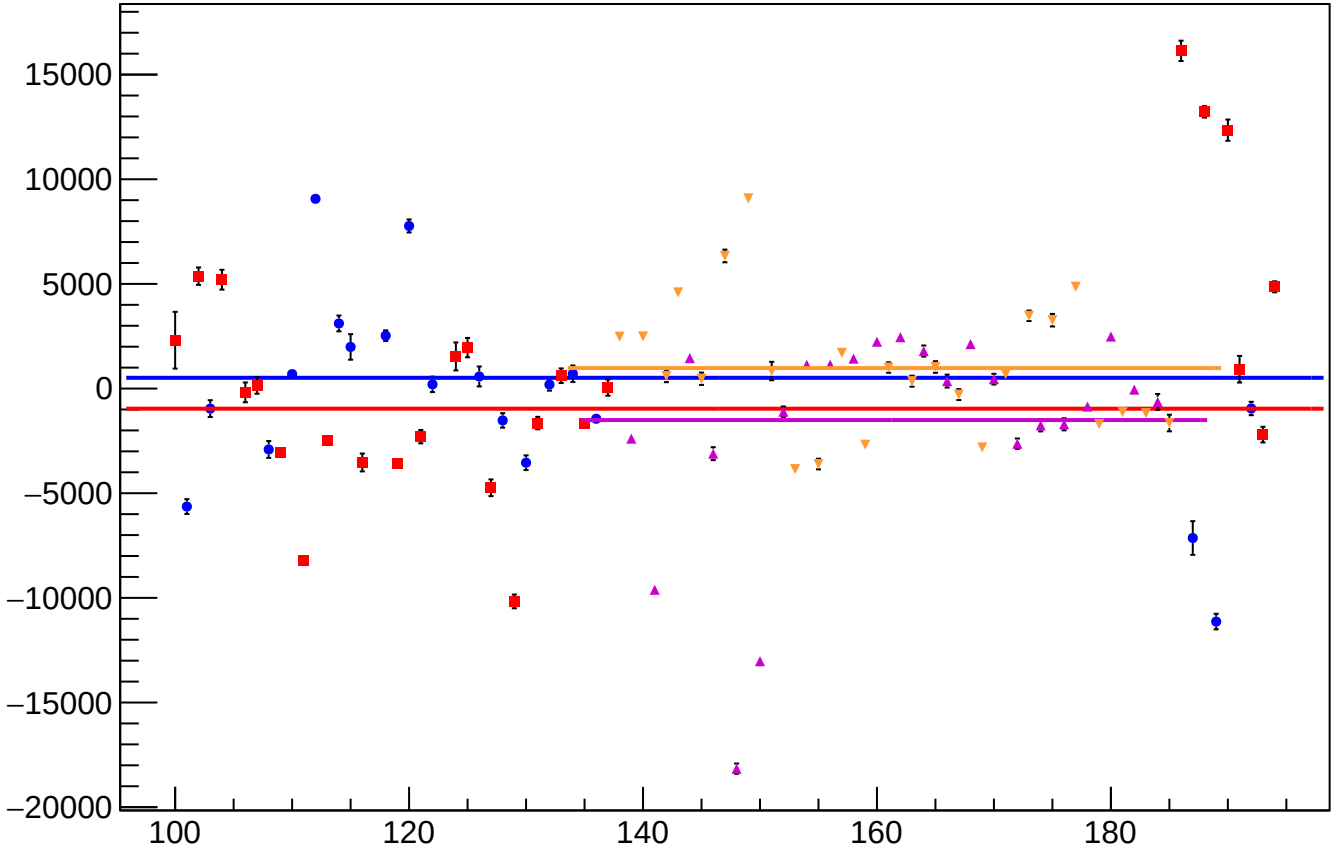
Right: 178.262+/-0.029 χ^2/NDF: 1906545.2/43

In: 183.240+/-0.026 χ^2/NDF:1550509.5/41

Out: 188.324+/-0.025 χ^2/NDF:2090479.7/49

All: 185.859+/-0.018 χ^2/NDF: 3661319.8/91

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 514.355+/-72.178 χ^2/NDF: 3823.4/18

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -962.287+/-62.657 χ^2/NDF: 8316.4/24

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

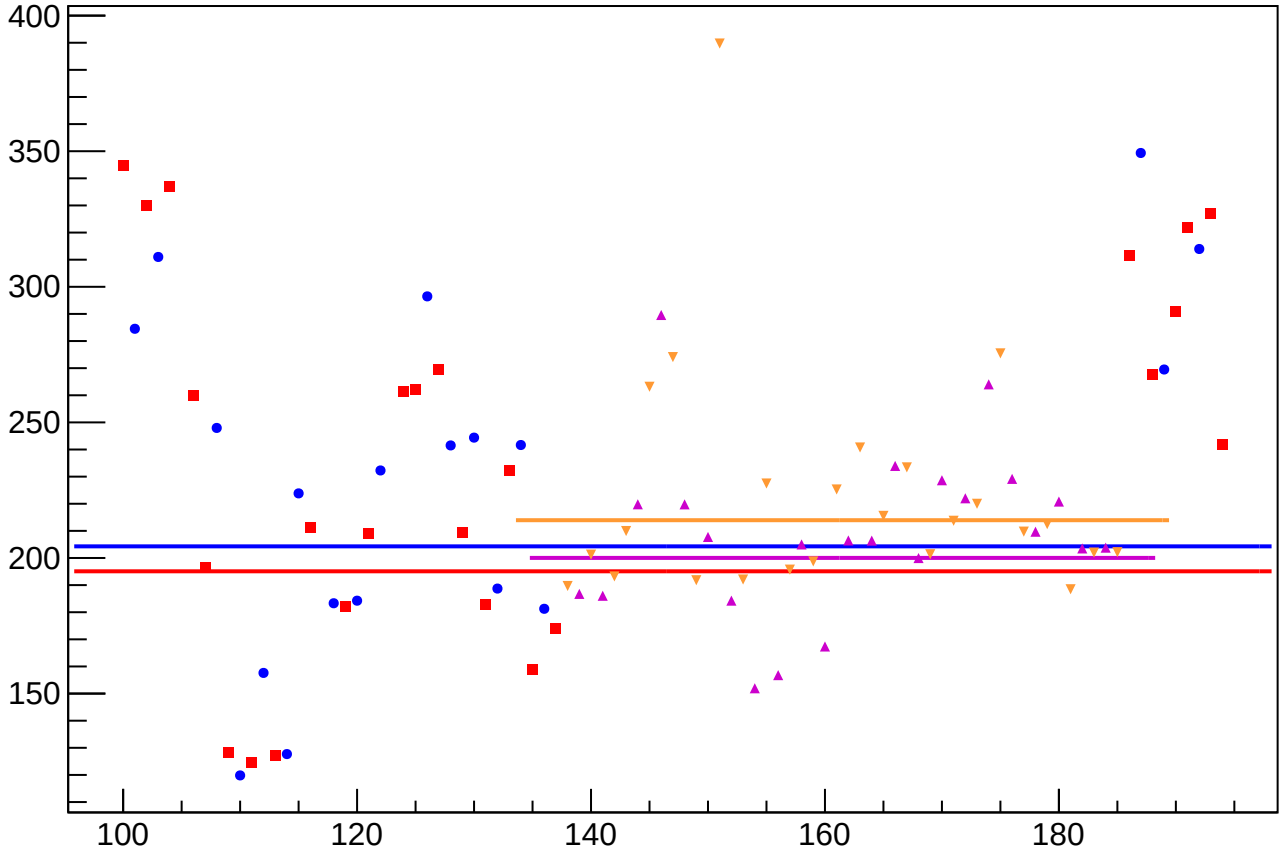
Right: -327.720+/-47.316 χ^2/NDF: 12378.5/43

In: -884.935+/-39.998 χ^2/NDF:15846.4/41

Out: 230.656+/-38.893 χ^2/NDF:13229.0/49

All: -311.516+/-27.884 χ^2/NDF: 29475.3/91

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 204.289+/-0.051 χ^2/NDF: 1364940.3/18

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 195.088+/-0.044 χ^2/NDF: 2211229.9/24

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

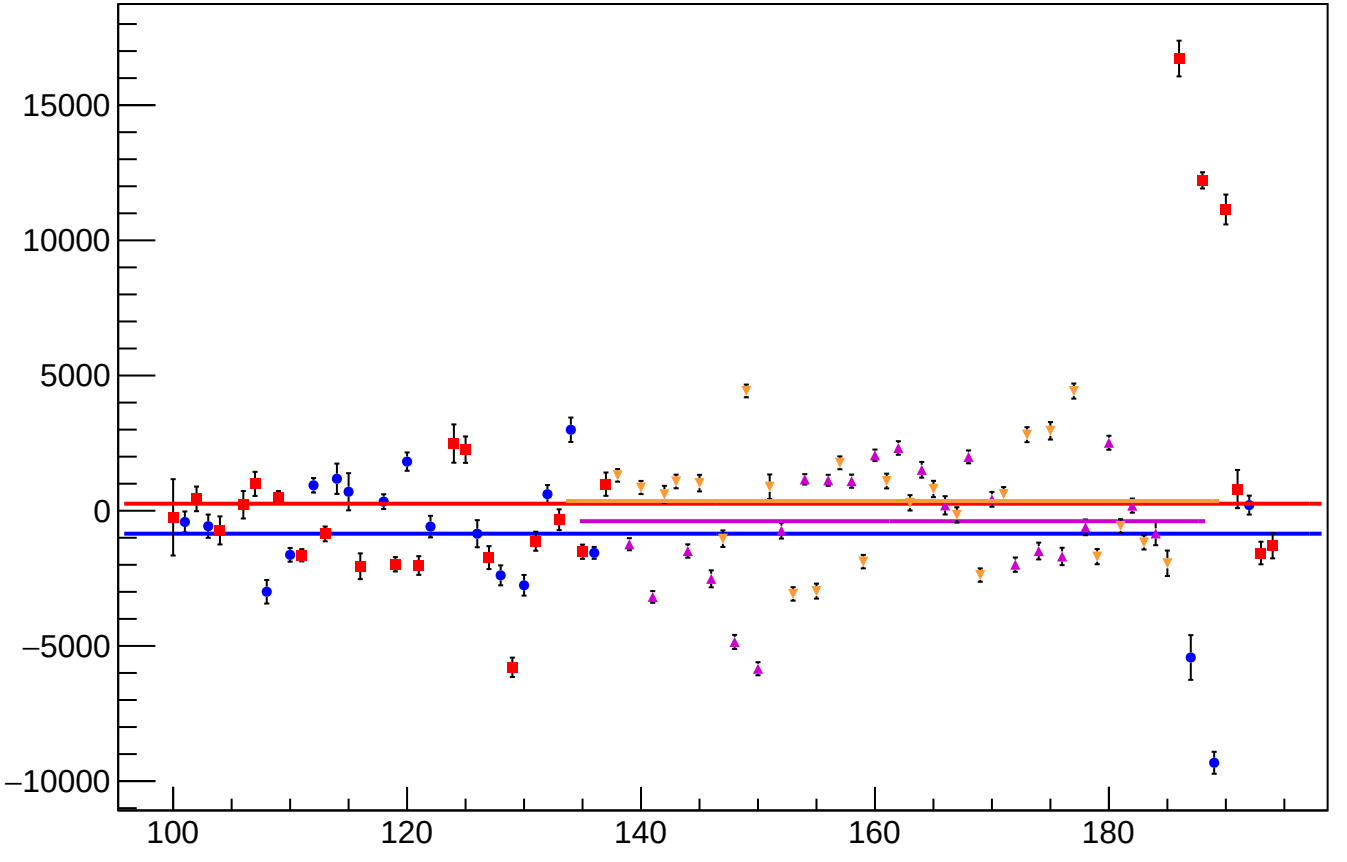
Right: 199.042+/-0.033 χ^2/NDF: 3594701.6/43

In: 201.338+/-0.028 χ^2/NDF:2155289.1/41

Out: 206.671+/-0.028 χ^2/NDF:3056051.8/49

All: 204.079+/-0.020 χ^2/NDF: 5229613.8/91

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -848.803+/-81.998 χ^2/NDF: 796.3/18

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 260.439+/-74.179 χ^2/NDF: 3268.1/24

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

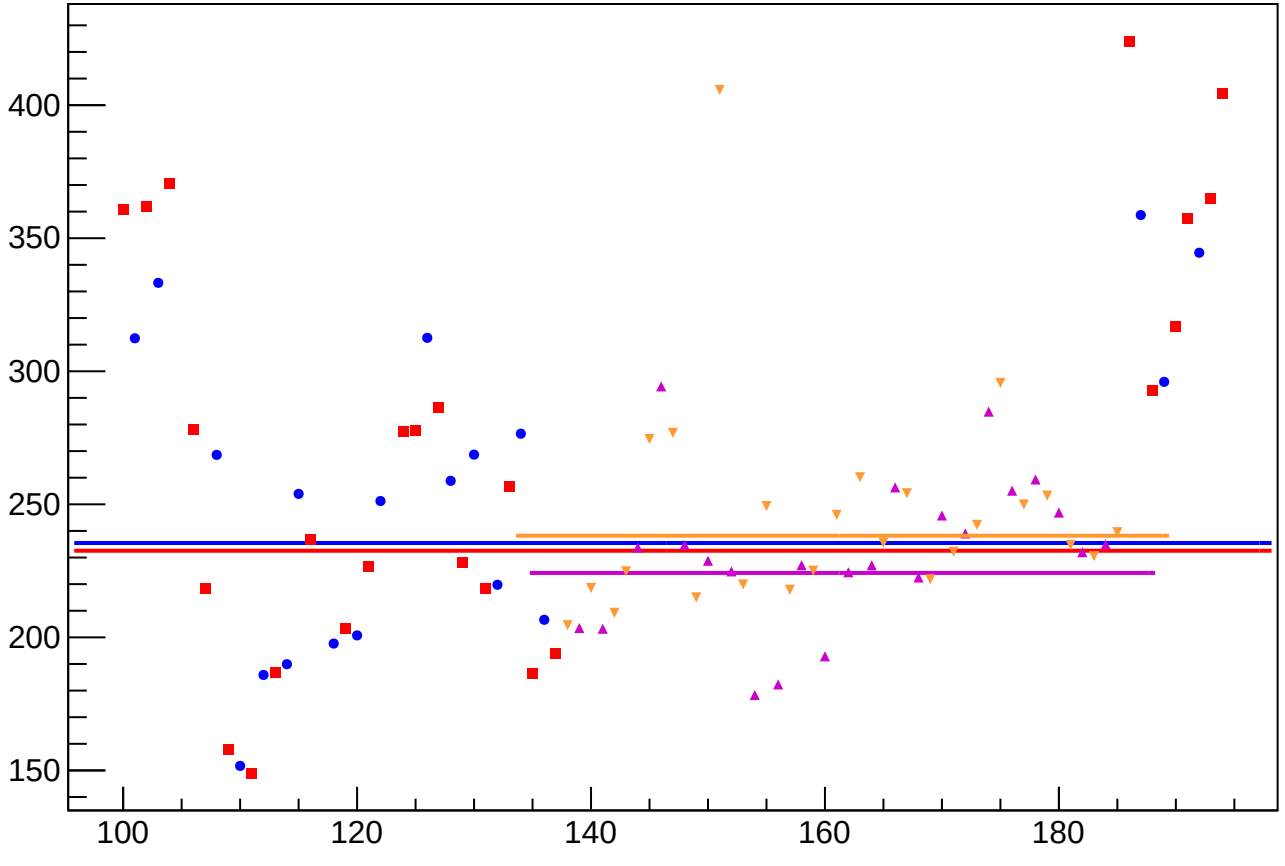
Right: -238.786+/-55.010 χ^2/NDF: 4165.0/43

In: -524.950+/-44.823 χ^2/NDF:2622.7/41

Out: 323.838+/-44.176 χ^2/NDF:4688.1/49

All: -94.389+/-31.463 χ^2/NDF: 7492.6/91

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 235.466+/-0.058 χ^2/NDF: 966882.0/18

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 232.557+/-0.052 χ^2/NDF: 1902032.4/24

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

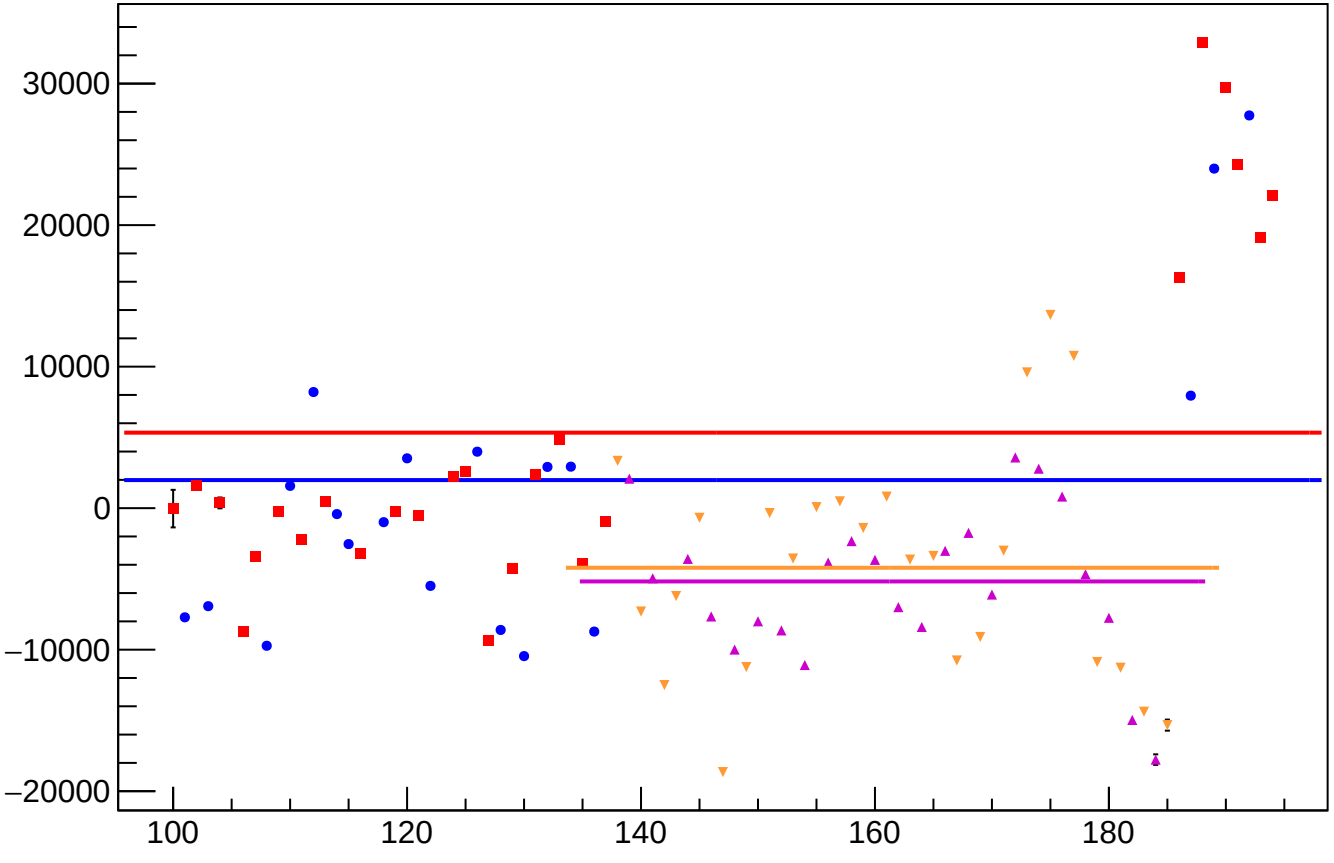
Right: 233.866+/-0.039 χ^2/NDF: 2870299.1/43

In: 227.575+/-0.032 χ^2/NDF:1556530.0/41

Out: 236.198+/-0.031 χ^2/NDF:2477436.0/49

All: 231.949+/-0.022 χ^2/NDF: 4071515.1/91

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 1984.147+/-42.997 χ^2/NDF: 68453.0/18

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5335.781+/-38.499 χ^2/NDF: 101168.4/24

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

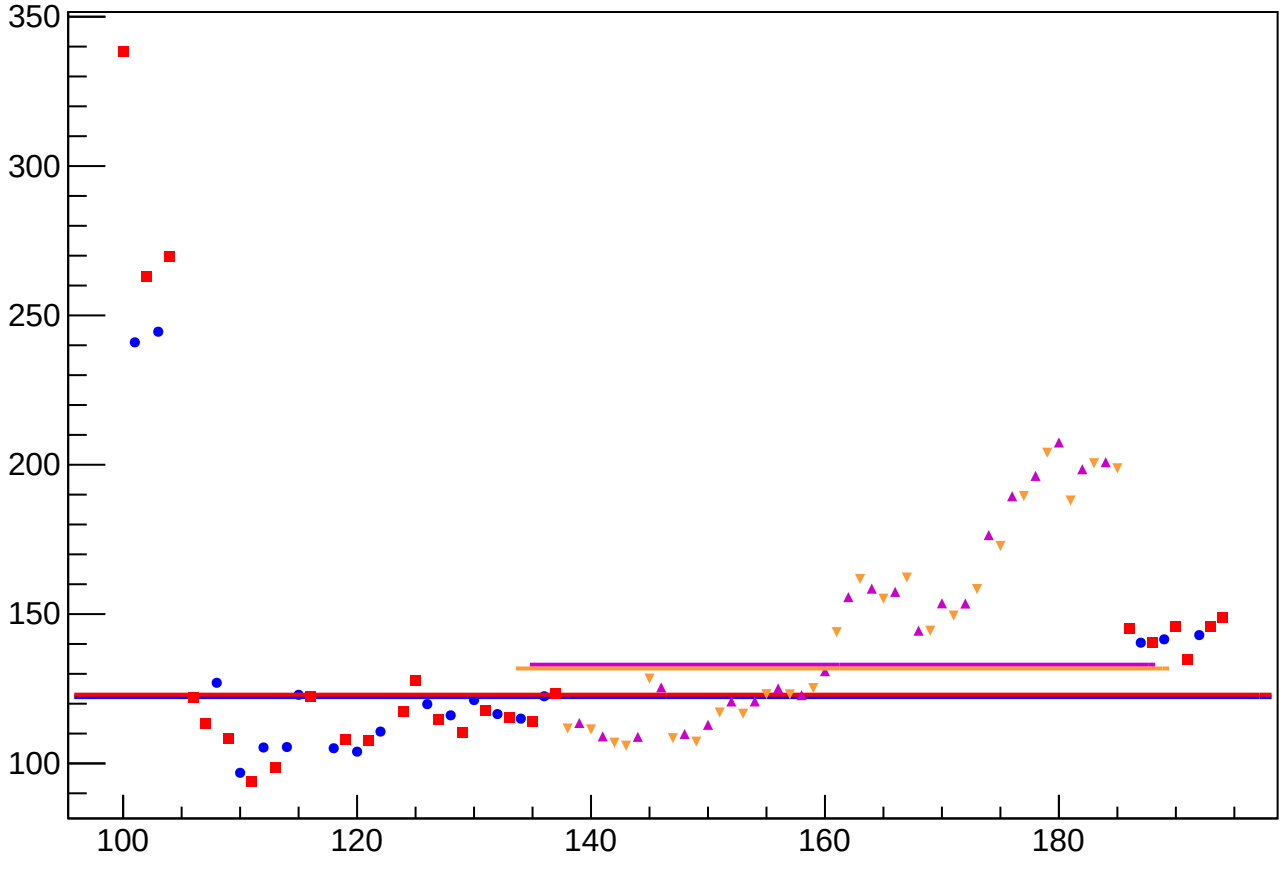
Right: 3844.366+/-28.682 χ^2/NDF: 172993.9/43

In: -2628.279+/-25.655 χ^2/NDF:104864.0/41

Out: -480.911+/-24.064 χ^2/NDF:195435.0/49

All: -1485.955+/-17.551 χ^2/NDF: 304026.0/9

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 122.215+/-0.030 χ^2/NDF: 812656.5/18

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 123.025+/-0.027 χ^2/NDF: 1079246.9/24

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

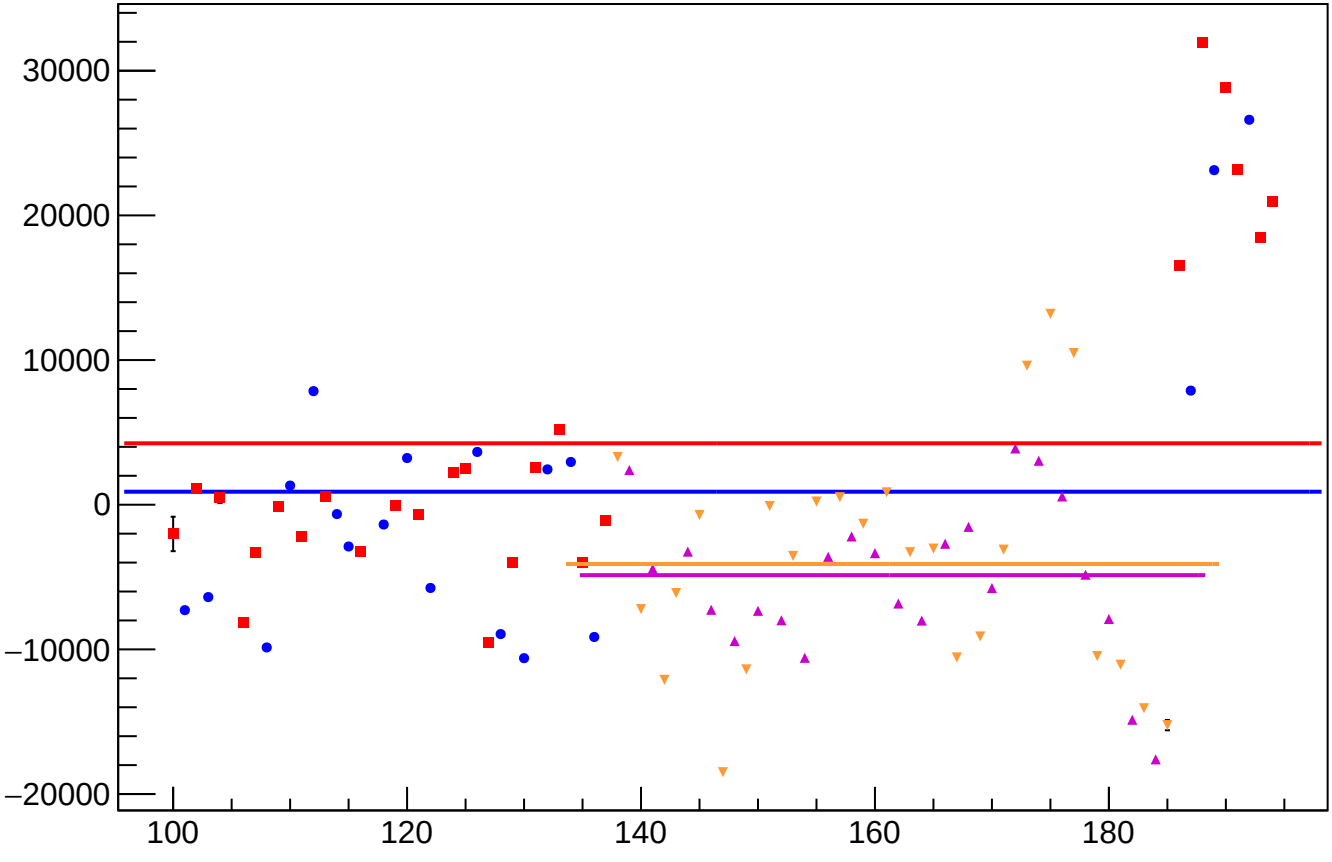
Right: 122.664+/-0.020 χ^2/NDF: 1892297.6/43

In: 129.200+/-0.018 χ^2/NDF:2312874.9/41

Out: 128.370+/-0.017 χ^2/NDF:2686862.2/49

All: 128.758+/-0.012 χ^2/NDF: 5000849.4/91

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 898.712+/-38.097 χ^2/NDF: 74168.8/18

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: 4245.352+/-34.700 χ^2/NDF: 107079.1/24

Left In: -4869.740+/-28.809 χ^2/NDF:21913.6/22

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

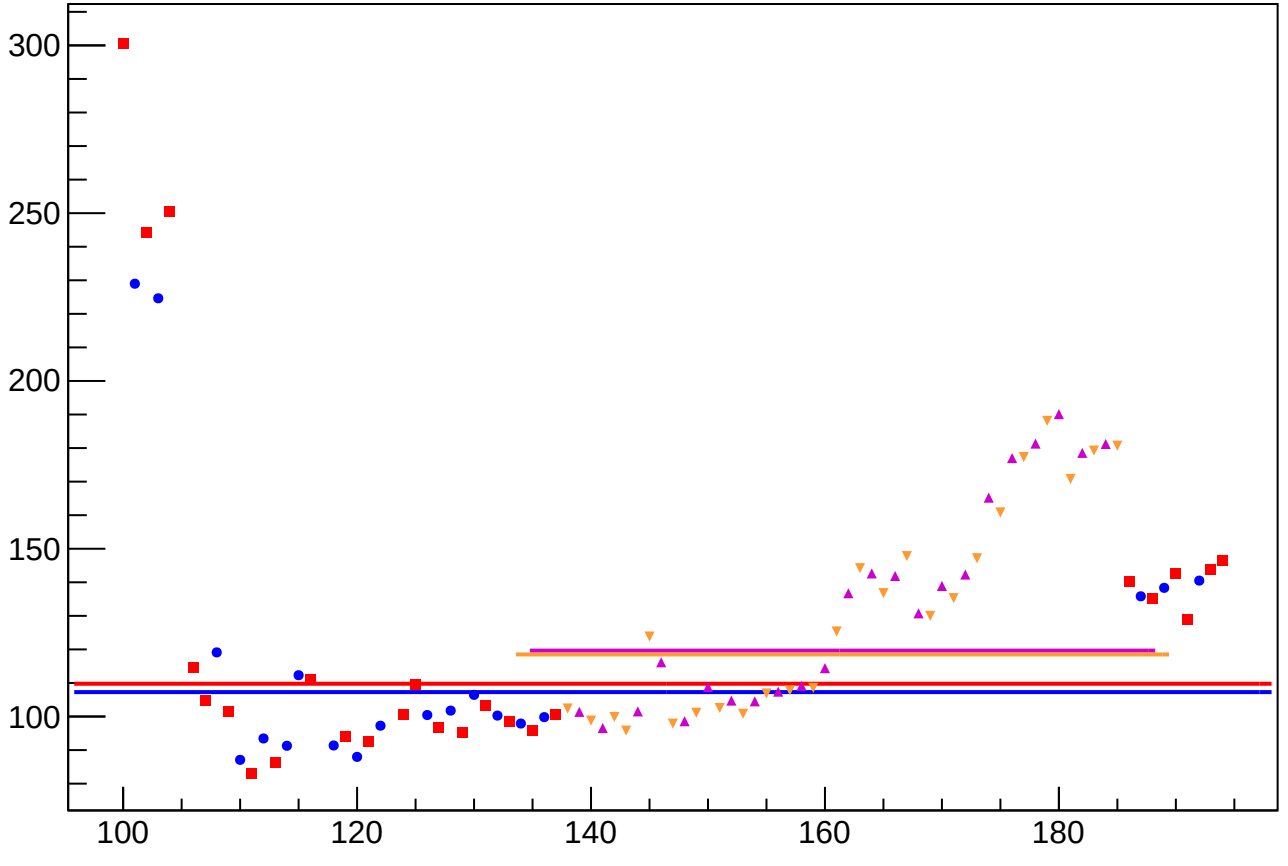
Right: 2727.854+/-25.653 χ^2/NDF: 185465.6/43

In: -2771.151+/-22.978 χ^2/NDF:110668.3/41

Out: -840.943+/-21.682 χ^2/NDF:208598.5/49

All: -1750.077+/-15.770 χ^2/NDF: 322999.5/9

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 107.277+/-0.027 χ^2/NDF: 1028321.6/18

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 109.768+/-0.025 χ^2/NDF: 1382402.5/24

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

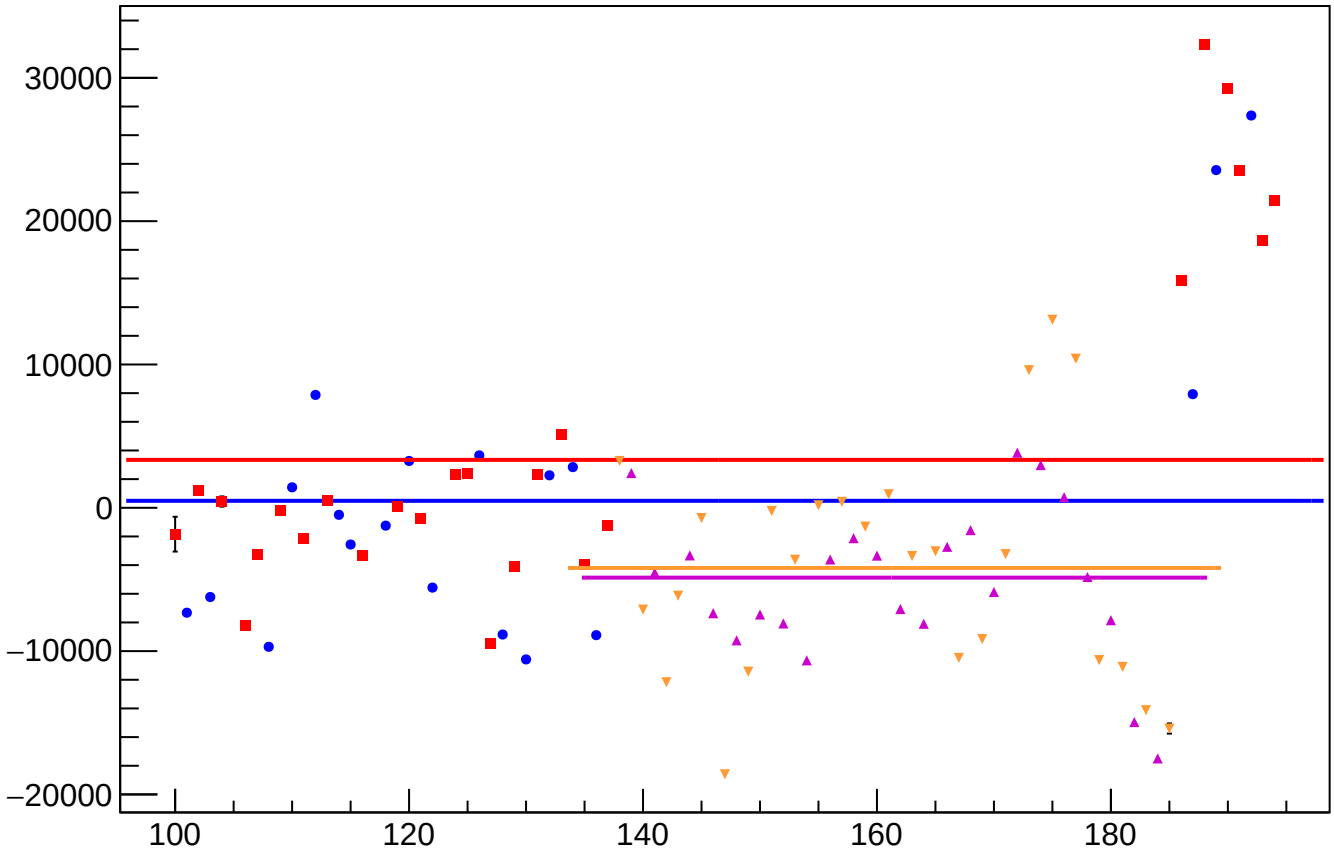
Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

Right: 108.639+/-0.018 χ^2/NDF: 2415397.5/43

In: 115.146+/-0.016 χ^2/NDF:2674794.5/41

Out: 115.092+/-0.015 χ^2/NDF:3086764.0/49

All: 115.117+/-0.011 χ^2/NDF: 5761564.3/91



Right In: 487.177+/-36.964 χ^2/NDF: 72205.8/18

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: 3344.476+/-33.901 χ^2/NDF: 100347.8/24

Left In: -4873.124+/-28.200 χ^2/NDF:22923.8/22

Left: -4523.205+/-19.581 χ^2/NDF: 93636.5/47

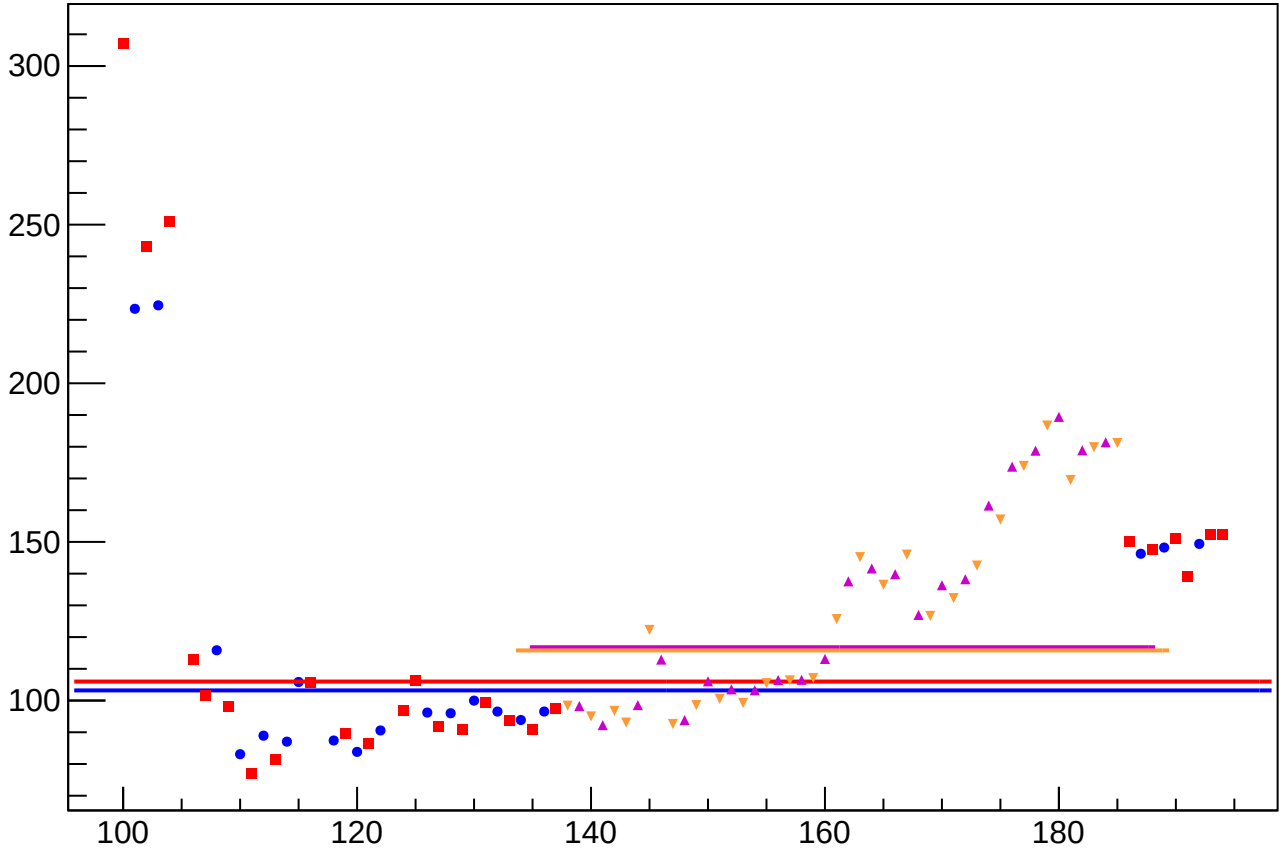
Right: 2039.068+/-24.984 χ^2/NDF: 175799.0/43

In: -2901.032+/-22.420 χ^2/NDF:108422.2/41

Out: -1242.397+/-21.221 χ^2/NDF:200862.8/49

All: -2026.147+/-15.412 χ^2/NDF: 312171.8/9

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 103.191+/-0.026 χ^2/NDF: 1217495.5/18

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 105.984+/-0.024 χ^2/NDF: 1774281.8/24

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

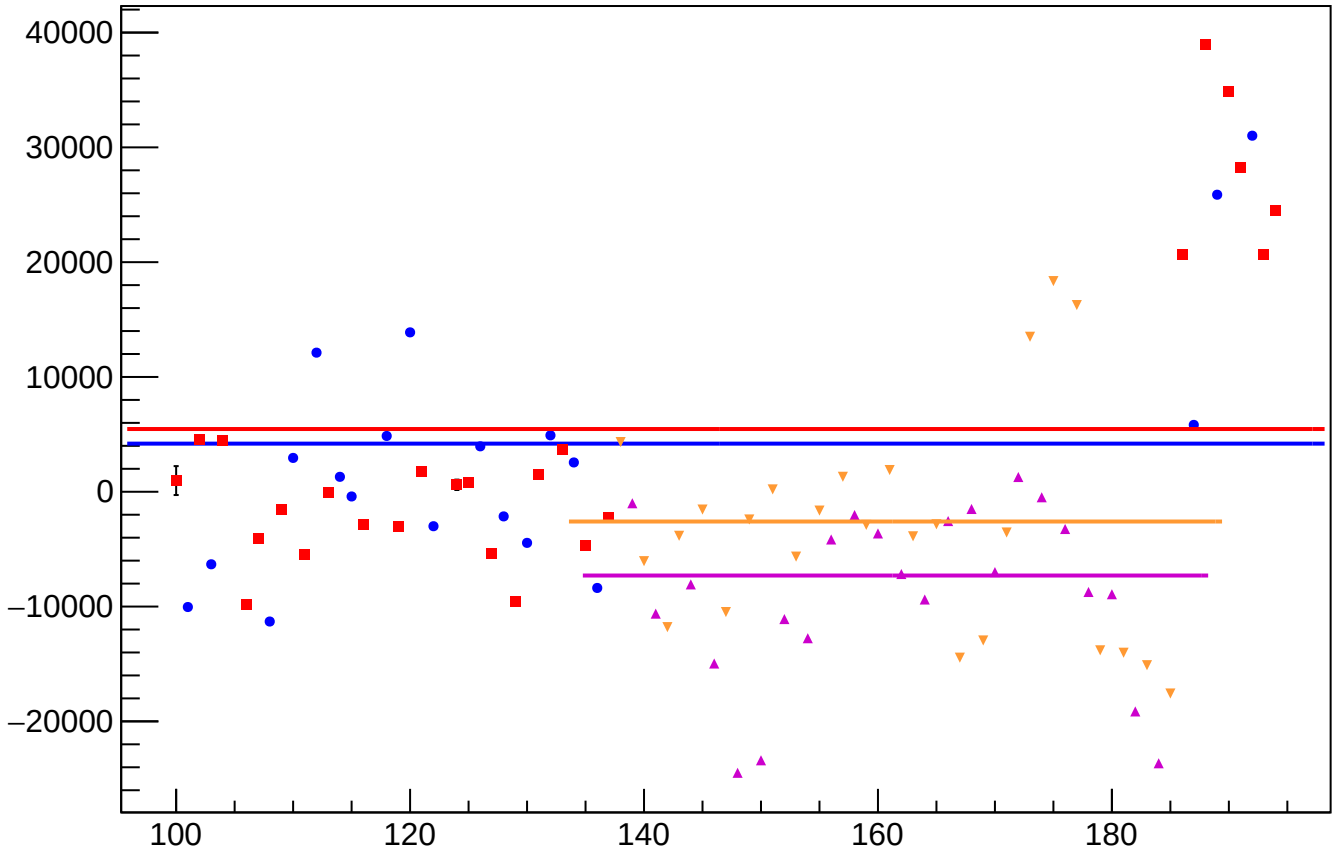
Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

Right: 104.708+/-0.018 χ^2/NDF: 2997979.2/43

In: 111.799+/-0.016 χ^2/NDF:3006715.3/41

Out: 111.953+/-0.015 χ^2/NDF:3625236.2/49

All: 111.880+/-0.011 χ^2/NDF: 6632001.3/91



Right In: 4192.819+/-50.836 χ^2/NDF: 53522.6/18

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: 5465.433+/-46.327 χ^2/NDF: 93371.8/24

Left In: -7296.193+/-39.576 χ^2/NDF:24743.4/22

Left: -4826.123+/-27.275 χ^2/NDF: 80158.0/47

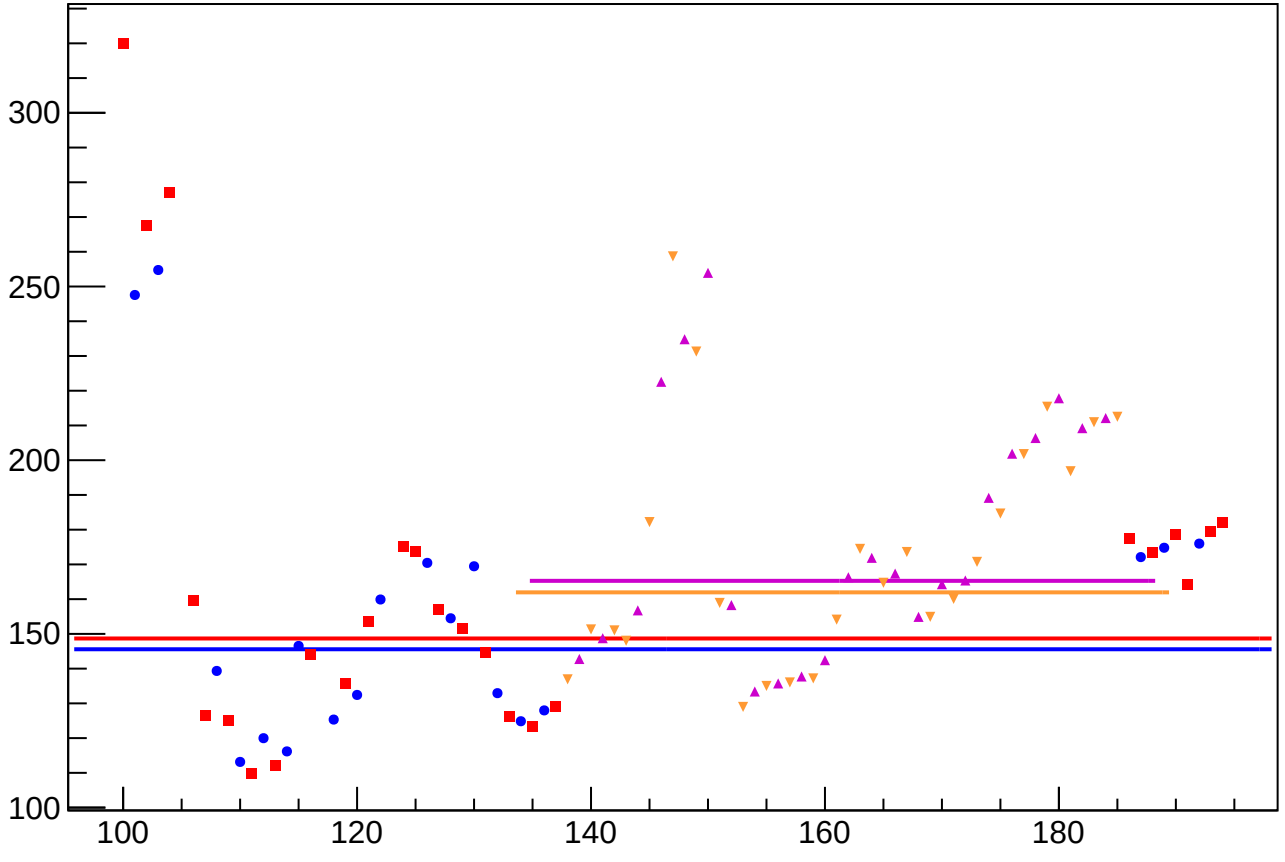
Right: 4888.056+/-34.242 χ^2/NDF: 147236.8/43

In: -2960.778+/-31.228 χ^2/NDF:110068.2/41

Out: 612.616+/-29.215 χ^2/NDF:159583.7/49

All: -1055.171+/-21.334 χ^2/NDF: 276634.5/9

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 145.577+/-0.036 χ^2/NDF: 787104.7/18

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 148.678+/-0.033 χ^2/NDF: 1054440.2/24

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

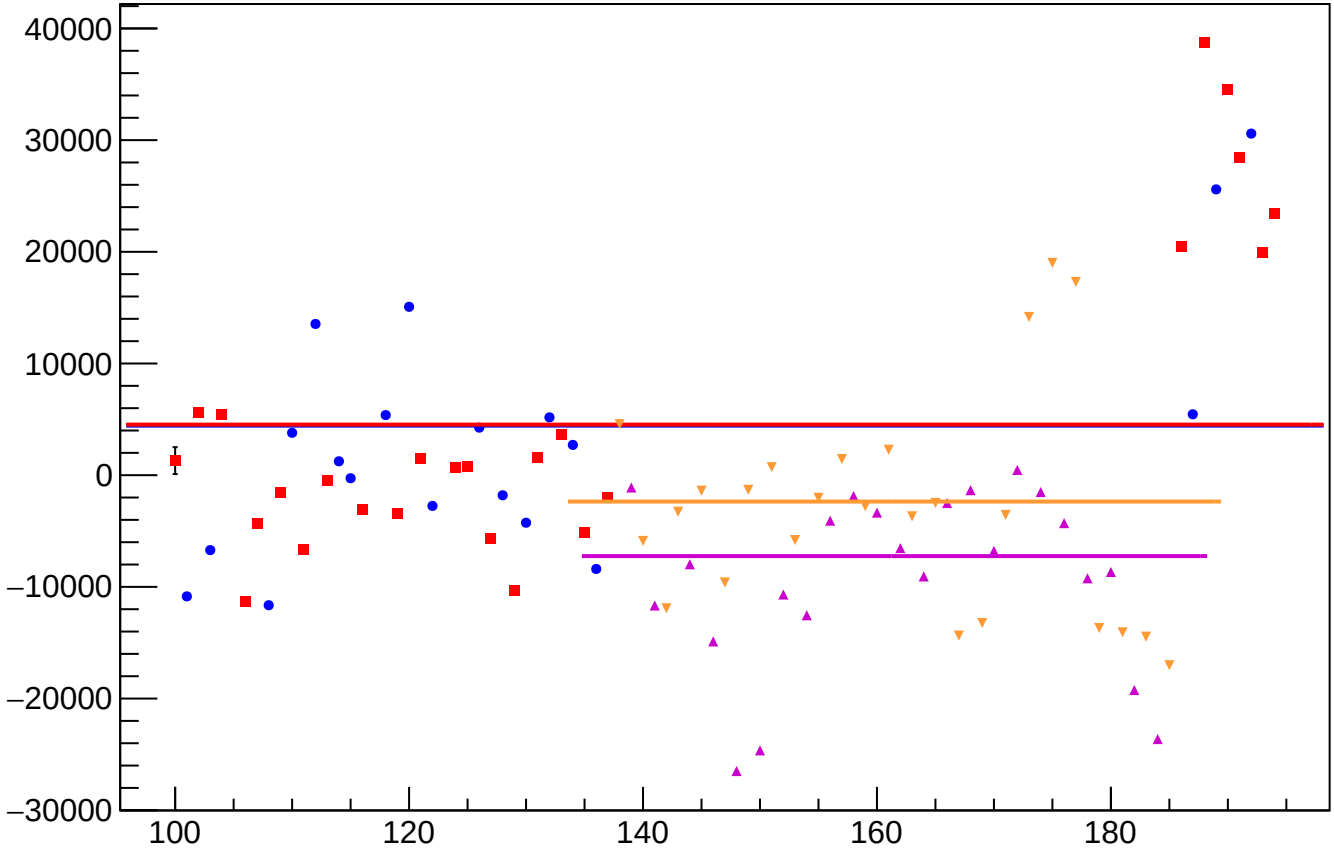
Right: 147.271+/-0.024 χ^2/NDF: 1845610.6/43

In: 157.840+/-0.022 χ^2/NDF:2153111.5/41

Out: 156.676+/-0.021 χ^2/NDF:2298216.0/49

All: 157.220+/-0.015 χ^2/NDF: 4452809.5/91

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 4440.342+/-42.798 χ^2/NDF: 73841.2/18

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: 4527.586+/-38.796 χ^2/NDF: 129061.5/24

Left In: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

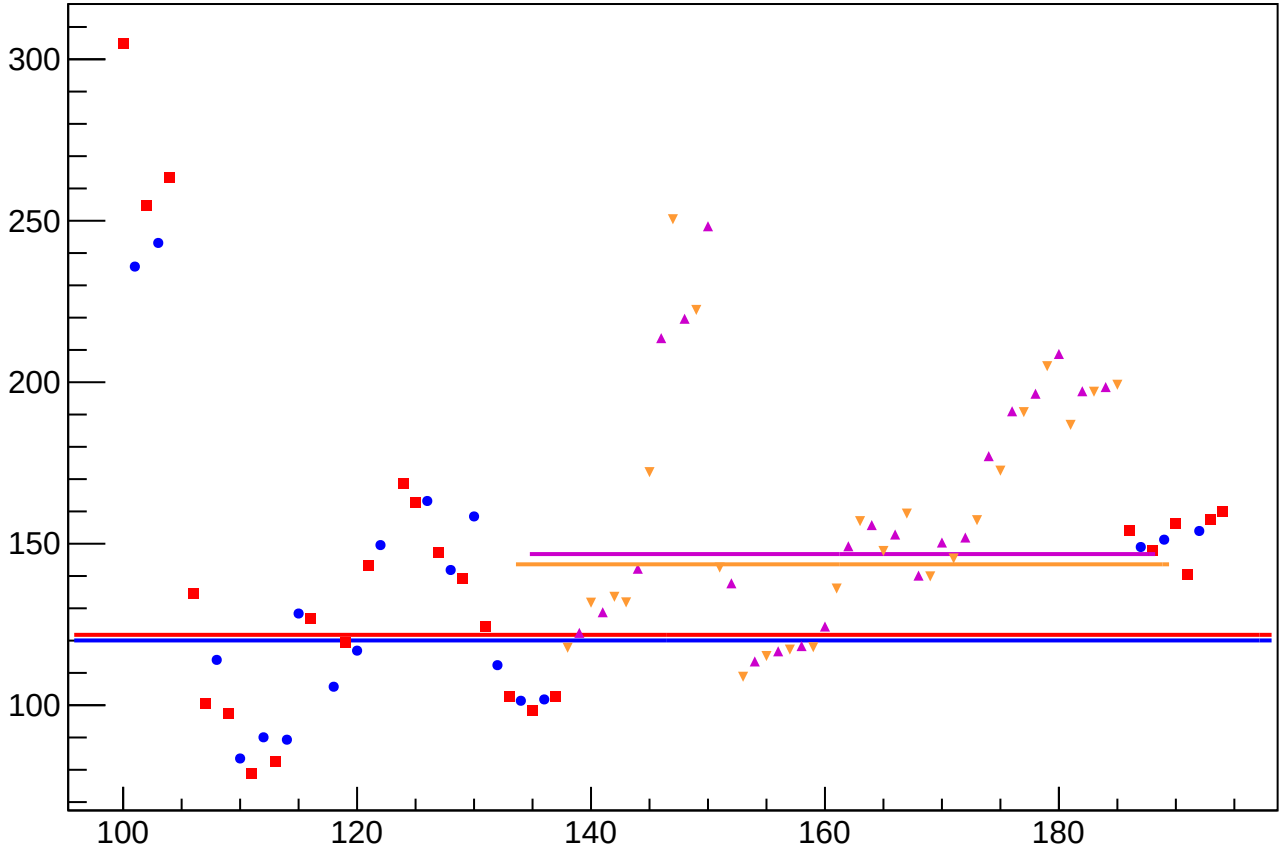
Right: 4488.234+/-28.744 χ^2/NDF: 202904.9/43

In: -2480.894+/-27.327 χ^2/NDF:148442.0/41

Out: 599.602+/-25.433 χ^2/NDF:205604.5/49

All: -830.218+/-18.618 χ^2/NDF: 360855.8/91

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 120.049+/-0.030 χ^2/NDF: 1287944.1/18

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 121.788+/-0.027 χ^2/NDF: 1741278.1/24

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

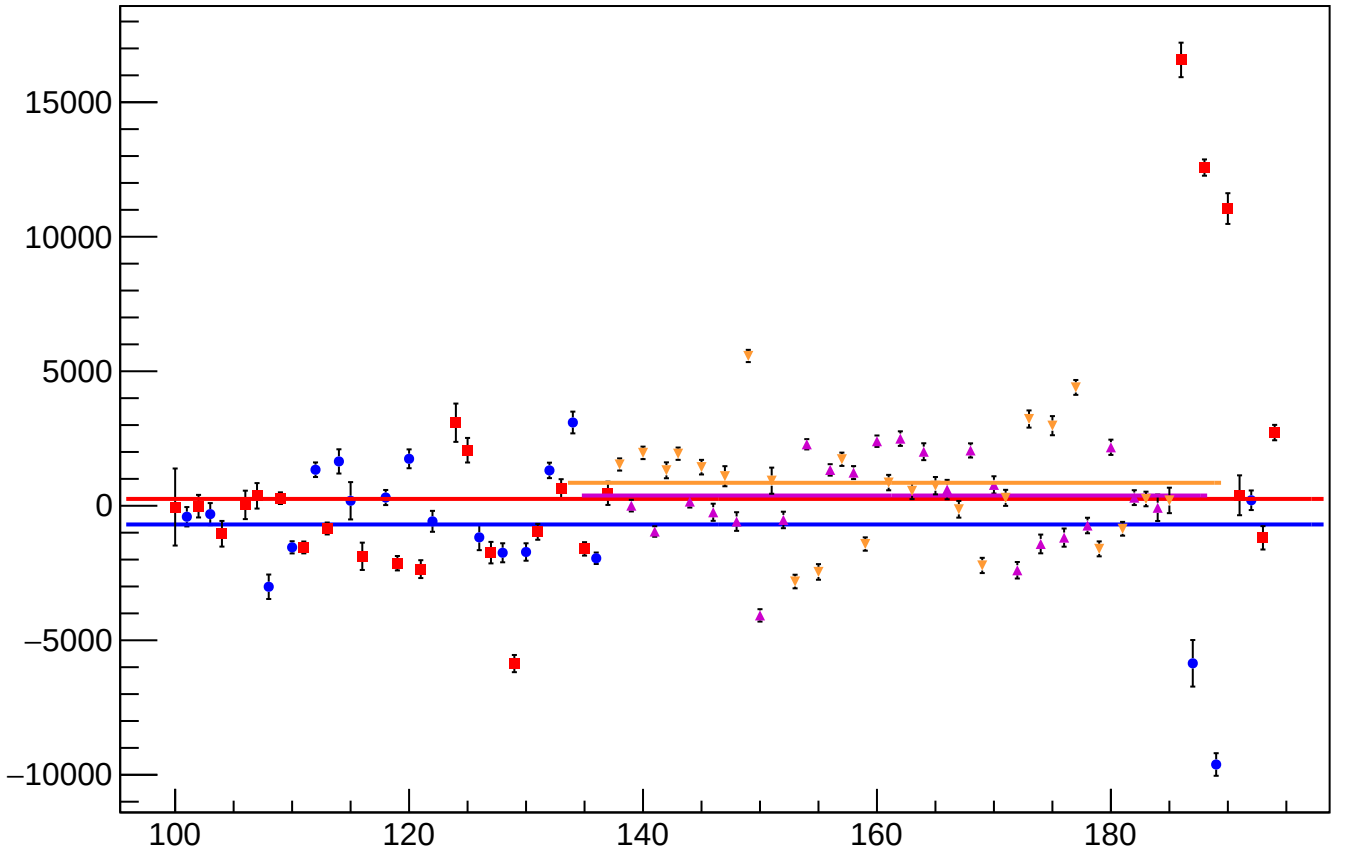
Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

Right: 121.004+/-0.020 χ^2/NDF: 3031033.2/43

In: 135.890+/-0.019 χ^2/NDF:3445036.8/41

Out: 134.239+/-0.018 χ^2/NDF:3765347.5/49

All: 135.005+/-0.013 χ^2/NDF: 7214299.0/91



Right In: -694.790+/-78.381 χ^2/NDF: 871.7/18

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: 254.781+/-69.529 χ^2/NDF: 3502.7/24

Left In: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

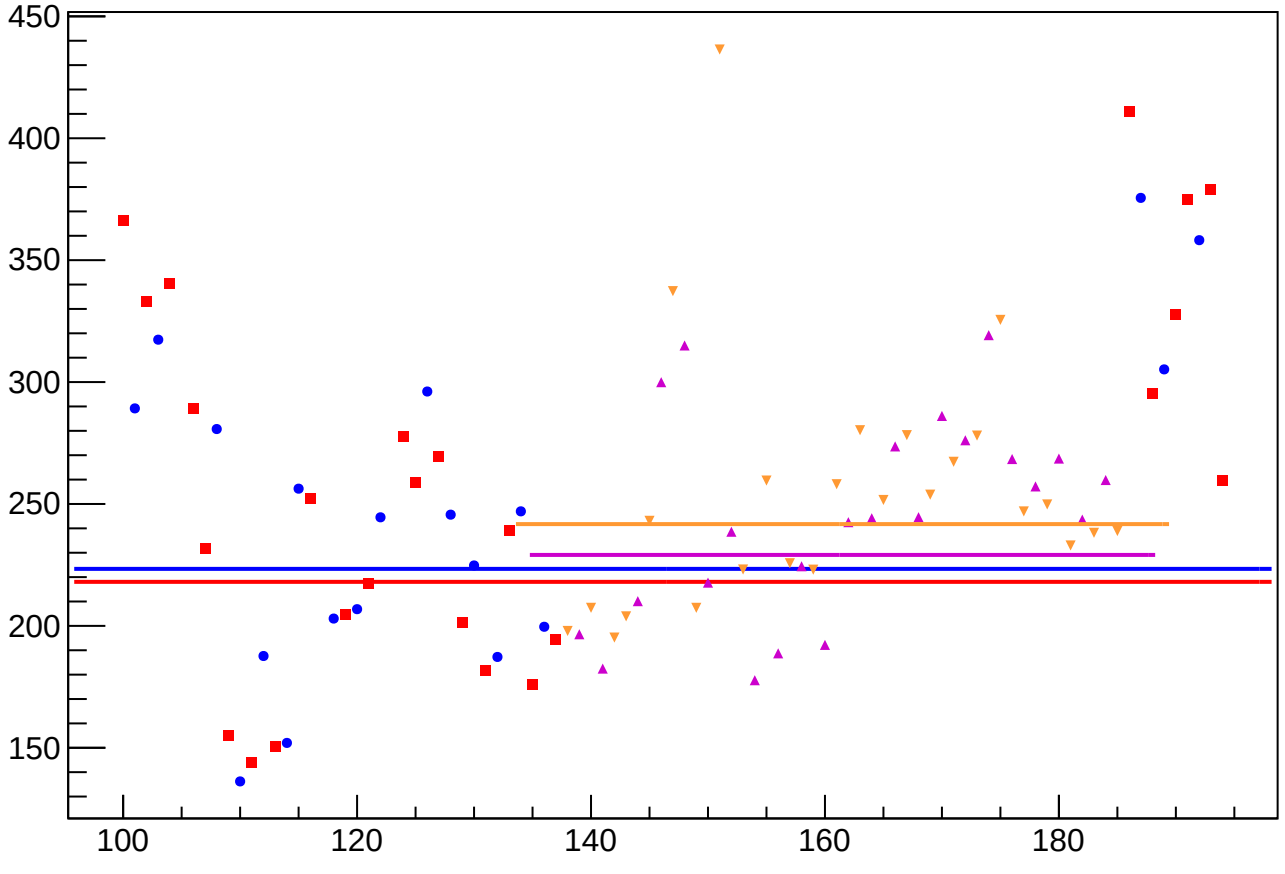
Right: -163.374+/-52.014 χ^2/NDF: 4456.6/43

In: 24.805+/-45.096 χ^2/NDF:1980.1/41

Out: 616.971+/-43.724 χ^2/NDF:4991.4/49

All: 330.029+/-31.392 χ^2/NDF: 7060.4/91

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 223.384+/-0.055 χ^2/NDF: 1140401.7/18

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 218.061+/-0.049 χ^2/NDF: 1893465.8/24

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

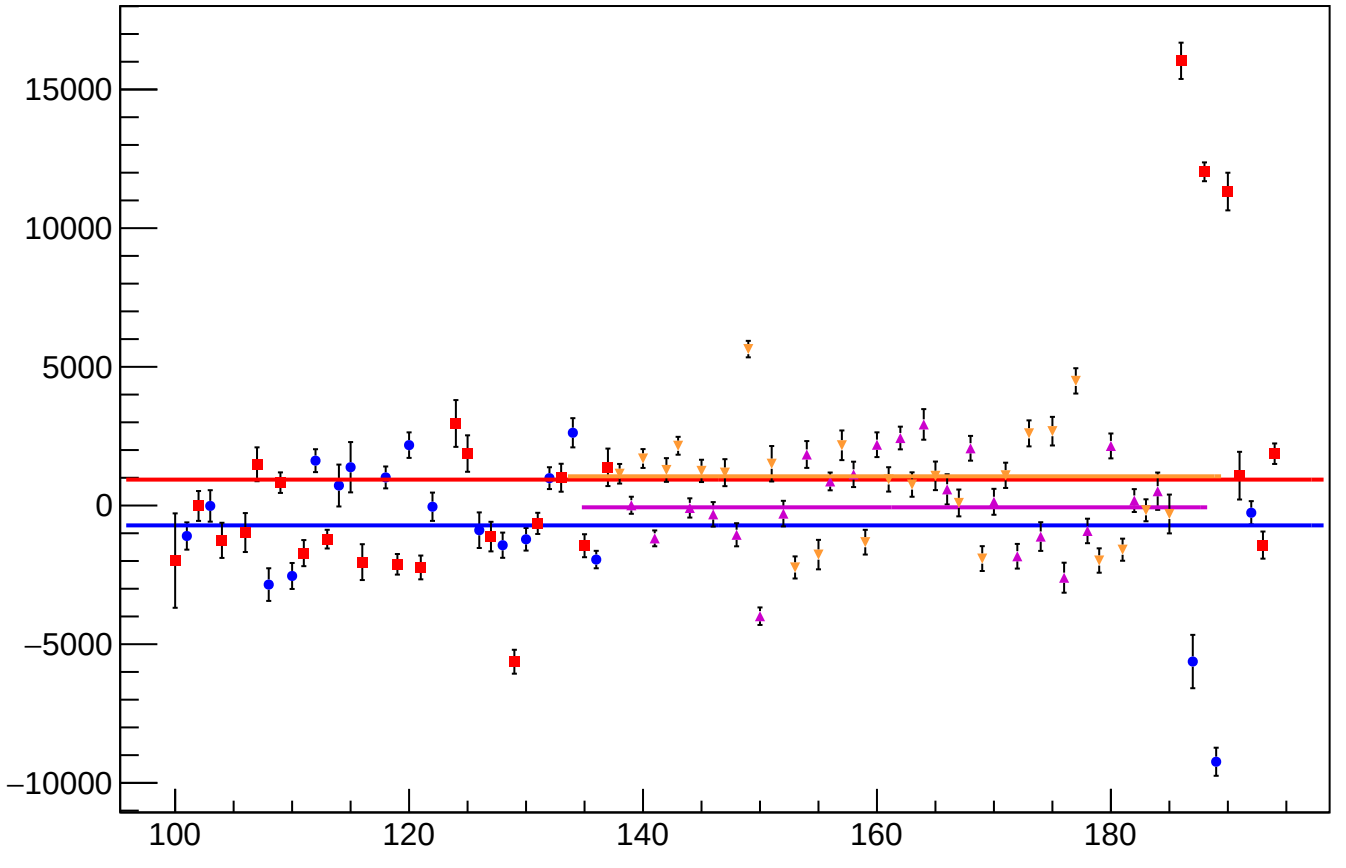
Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

Right: 220.405+/-0.037 χ^2/NDF: 3039029.1/43

In: 227.210+/-0.032 χ^2/NDF:2216486.9/41

Out: 232.379+/-0.031 χ^2/NDF:3020157.2/49

All: 229.874+/-0.022 χ^2/NDF: 5250188.0/91



Right In: -716.149+/-110.000 χ^2/NDF: 520.4/18

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: 934.157+/-97.959 χ^2/NDF: 2414.3/24

Left In: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

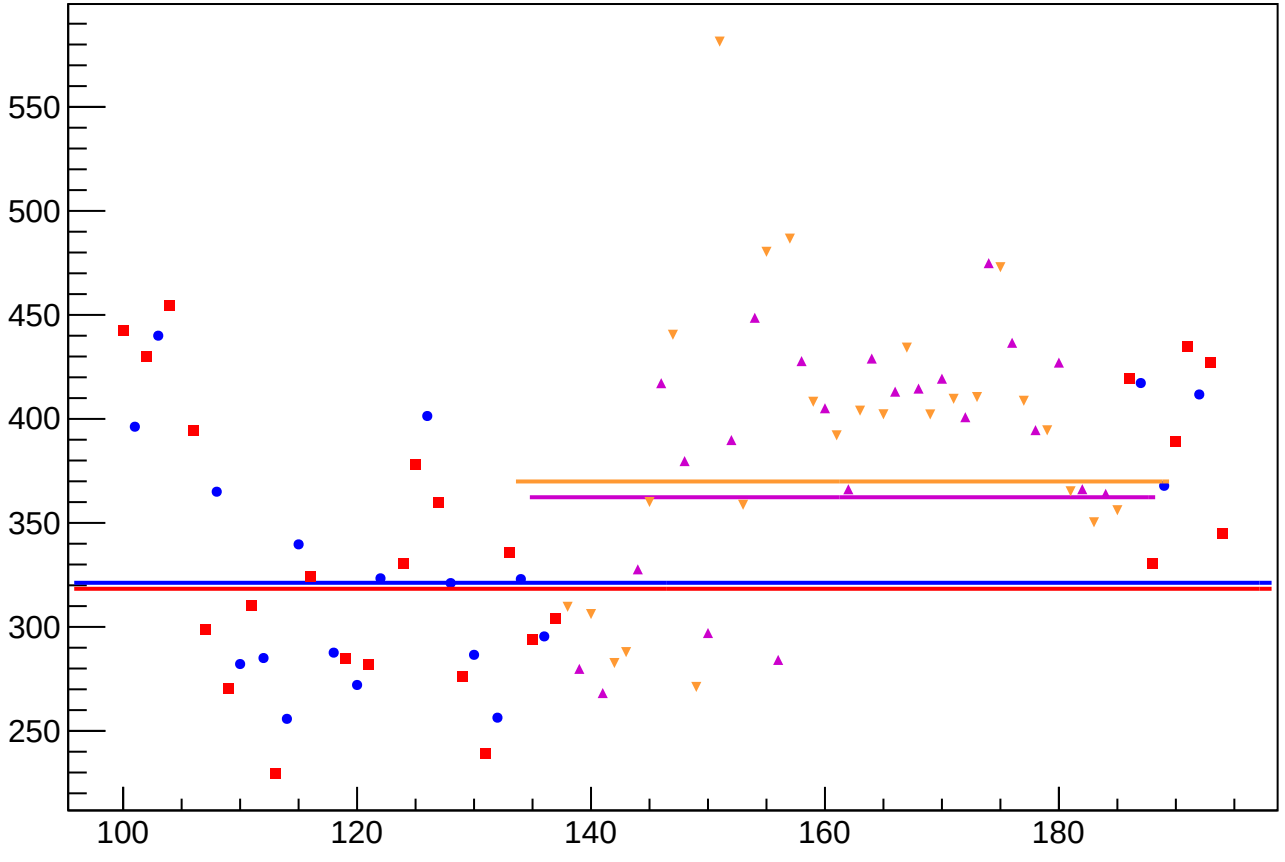
Right: 204.242+/-73.156 χ^2/NDF: 3060.2/43

In: -314.148+/-68.073 χ^2/NDF:936.5/41

Out: 1001.543+/-64.584 χ^2/NDF:3029.8/49

All: 378.278+/-46.852 χ^2/NDF: 4162.8/91

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 321.215+/-0.078 χ^2/NDF: 471683.1/18

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 318.335+/-0.069 χ^2/NDF: 781860.2/24

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

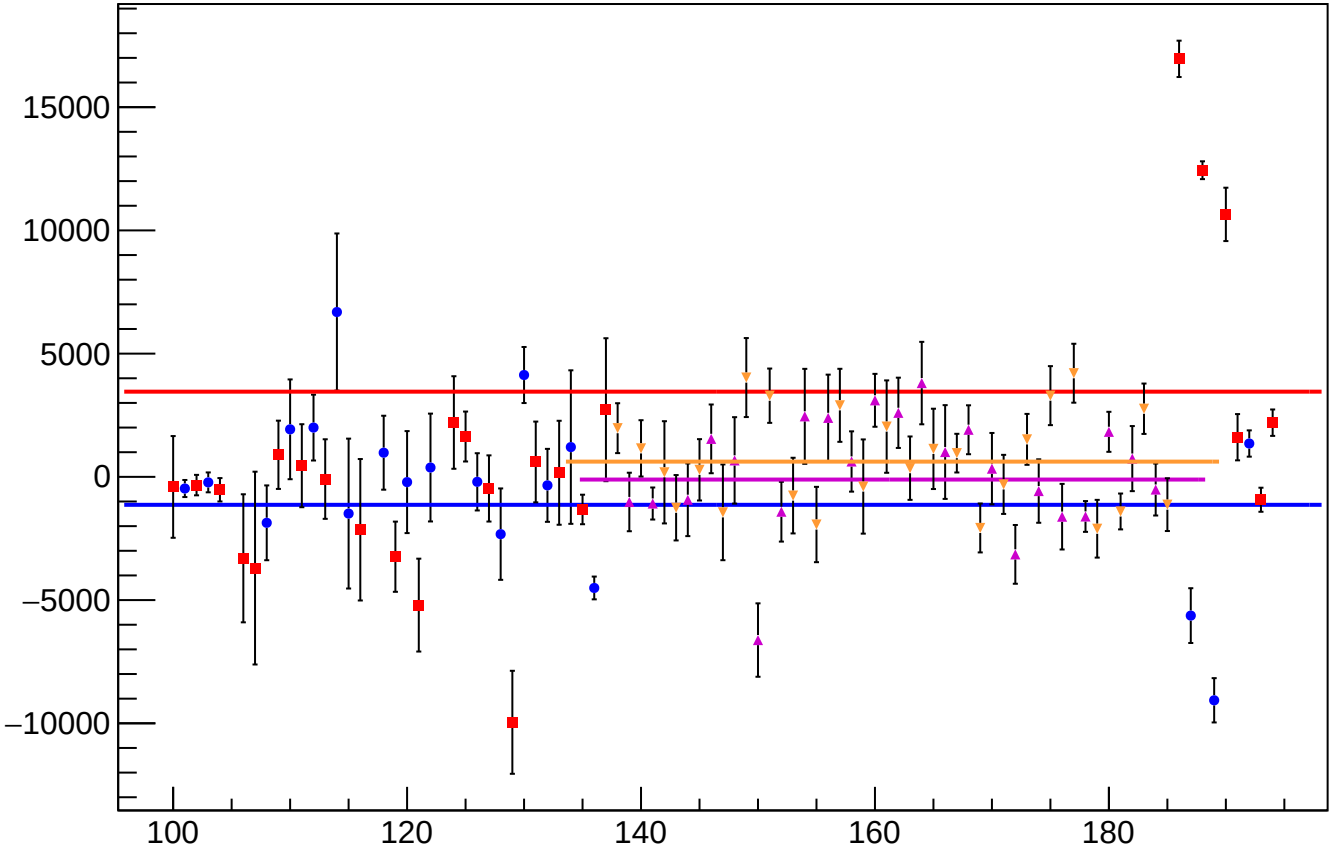
Right: 319.609+/-0.052 χ^2/NDF: 1254307.9/43

In: 346.591+/-0.048 χ^2/NDF:1697579.4/41

Out: 347.500+/-0.046 χ^2/NDF:2325746.8/49

All: 347.069+/-0.033 χ^2/NDF: 4023513.7/91

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -1134.648+/-184.359 χ^2/NDF: 218.1/18

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: 3456.846+/-163.171 χ^2/NDF: 1436.2/24

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

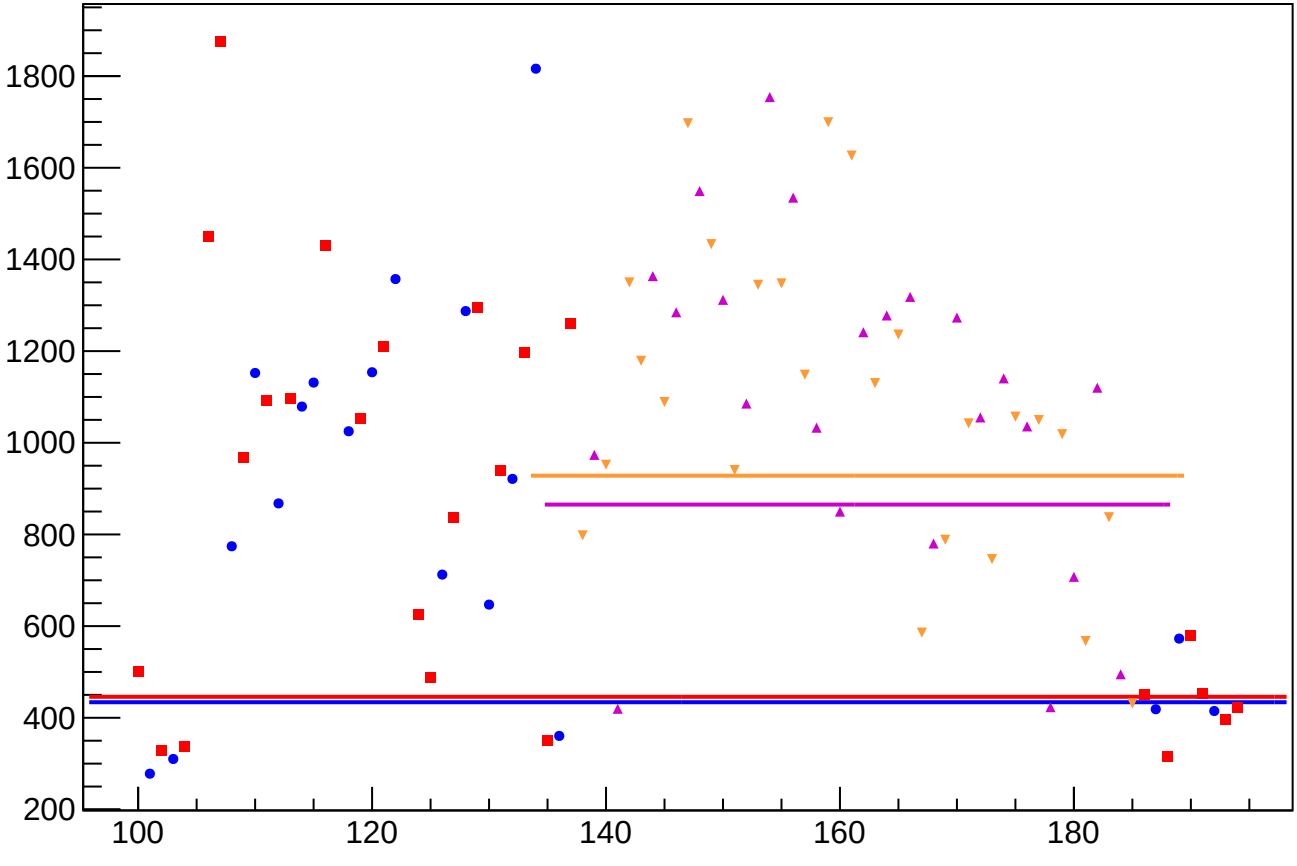
Right: 1439.991+/-122.187 χ^2/NDF: 2002.1/43

In: -749.863+/-145.707 χ^2/NDF:301.4/41

Out: 2550.089+/-134.607 χ^2/NDF:1598.6/49

All: 1030.590+/-98.873 χ^2/NDF: 2176.7/91

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 433.972+/-0.130 χ^2/NDF: 3573189.4/18

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 445.817+/-0.115 χ^2/NDF: 4141443.2/24

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

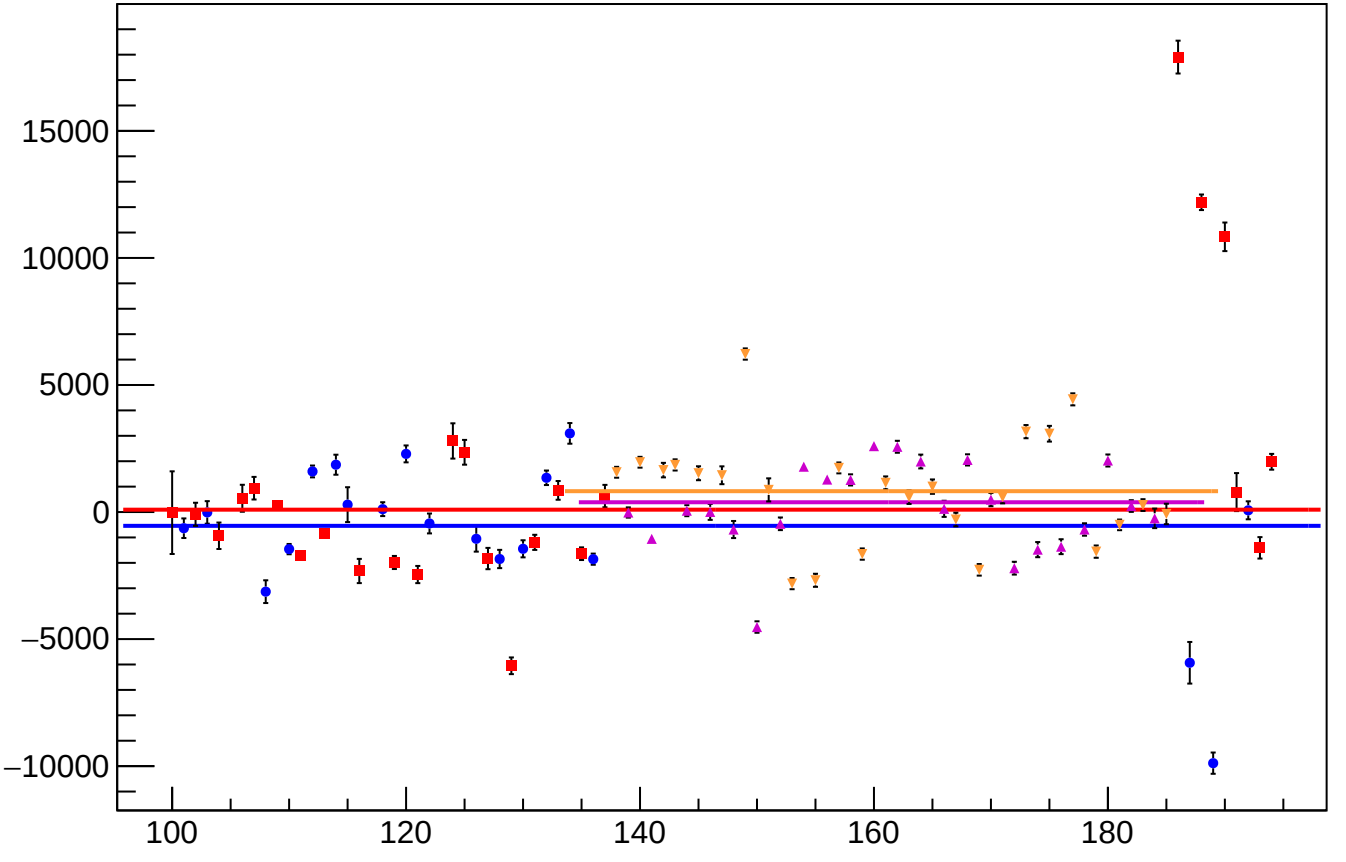
Right: 440.614+/-0.086 χ^2/NDF: 7719261.5/43

In: 595.843+/-0.103 χ^2/NDF:12473590.0/41

Out: 599.937+/-0.095 χ^2/NDF:13021267.9/49

All: 598.052+/-0.070 χ^2/NDF: 25495709.5/91

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -543.155+/-76.261 χ^2/NDF: 982.1/18

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: 93.034+/-67.218 χ^2/NDF: 3479.6/24

Left In: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

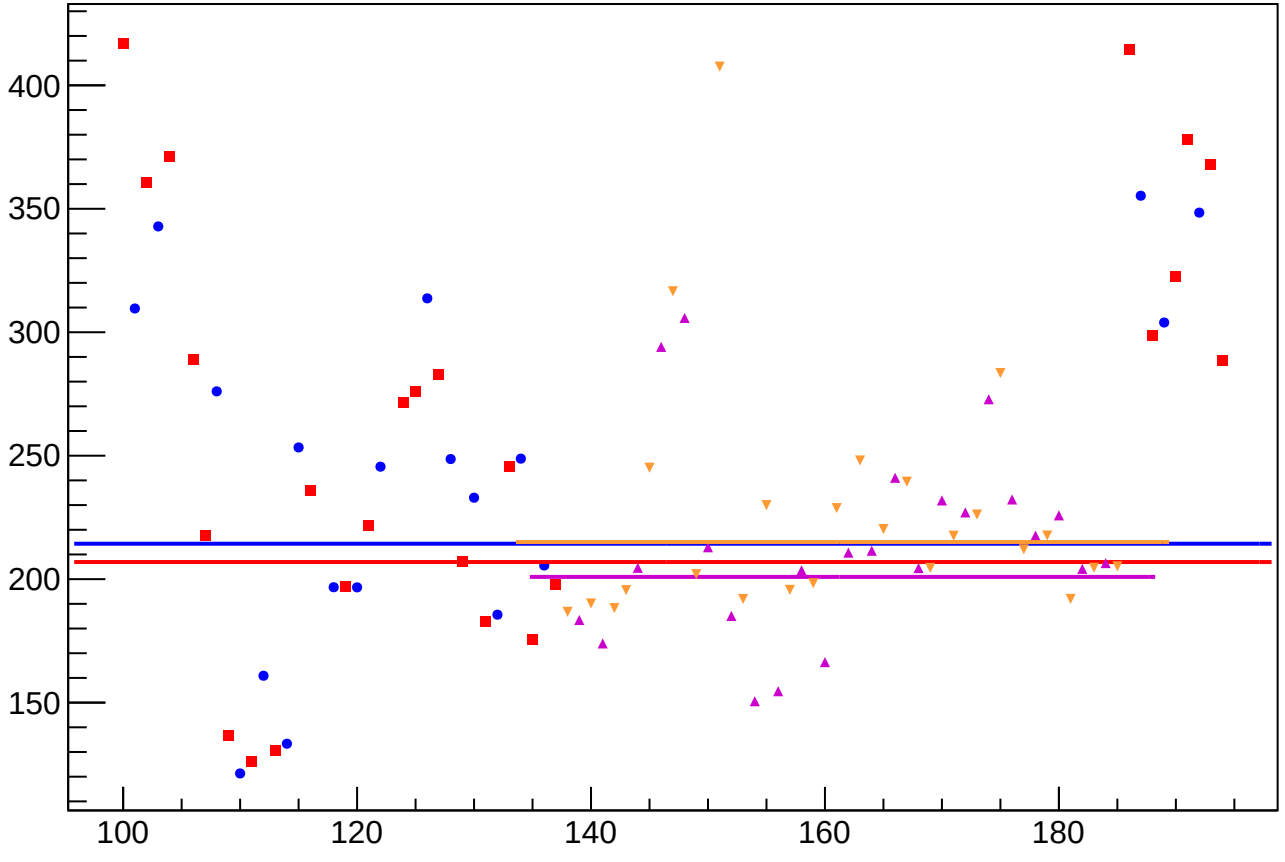
Right: -185.122+/-50.426 χ^2/NDF: 4500.9/43

In: 118.064+/-40.898 χ^2/NDF:2340.9/41

Out: 561.599+/-40.116 χ^2/NDF:5545.9/49

All: 344.109+/-28.639 χ^2/NDF: 7946.8/91

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 214.353+/-0.054 χ^2/NDF: 1549897.4/18

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 206.932+/-0.048 χ^2/NDF: 2648356.2/24

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

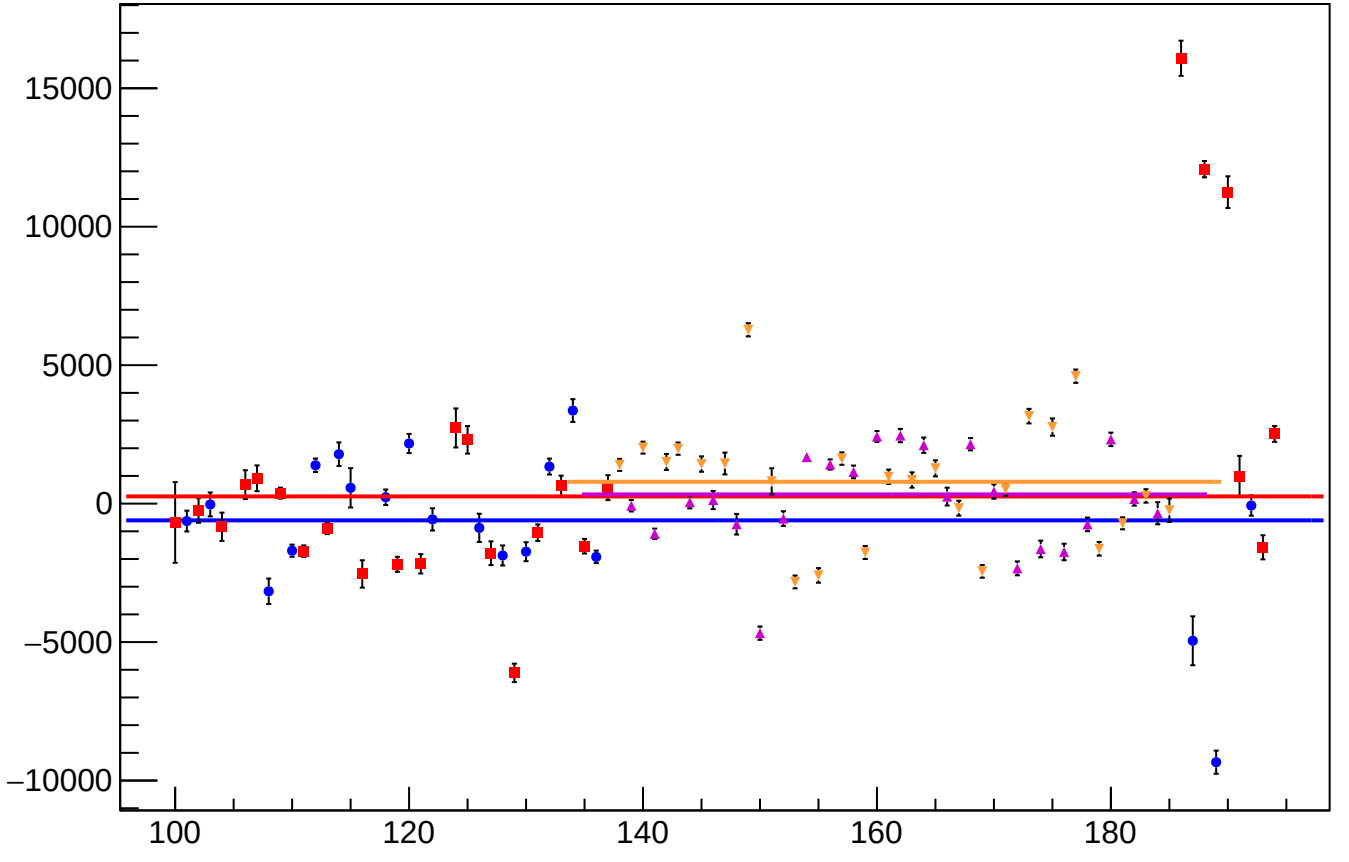
Right: 210.176+/-0.036 χ^2/NDF: 4208913.3/43

In: 204.781+/-0.029 χ^2/NDF:2699968.4/41

Out: 212.143+/-0.028 χ^2/NDF:3564823.4/49

All: 208.533+/-0.020 χ^2/NDF: 6297823.2/91

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -604.249+/-78.715 χ^2/NDF: 888.6/18

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: 260.481+/-69.084 χ^2/NDF: 3453.6/24

Left In: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

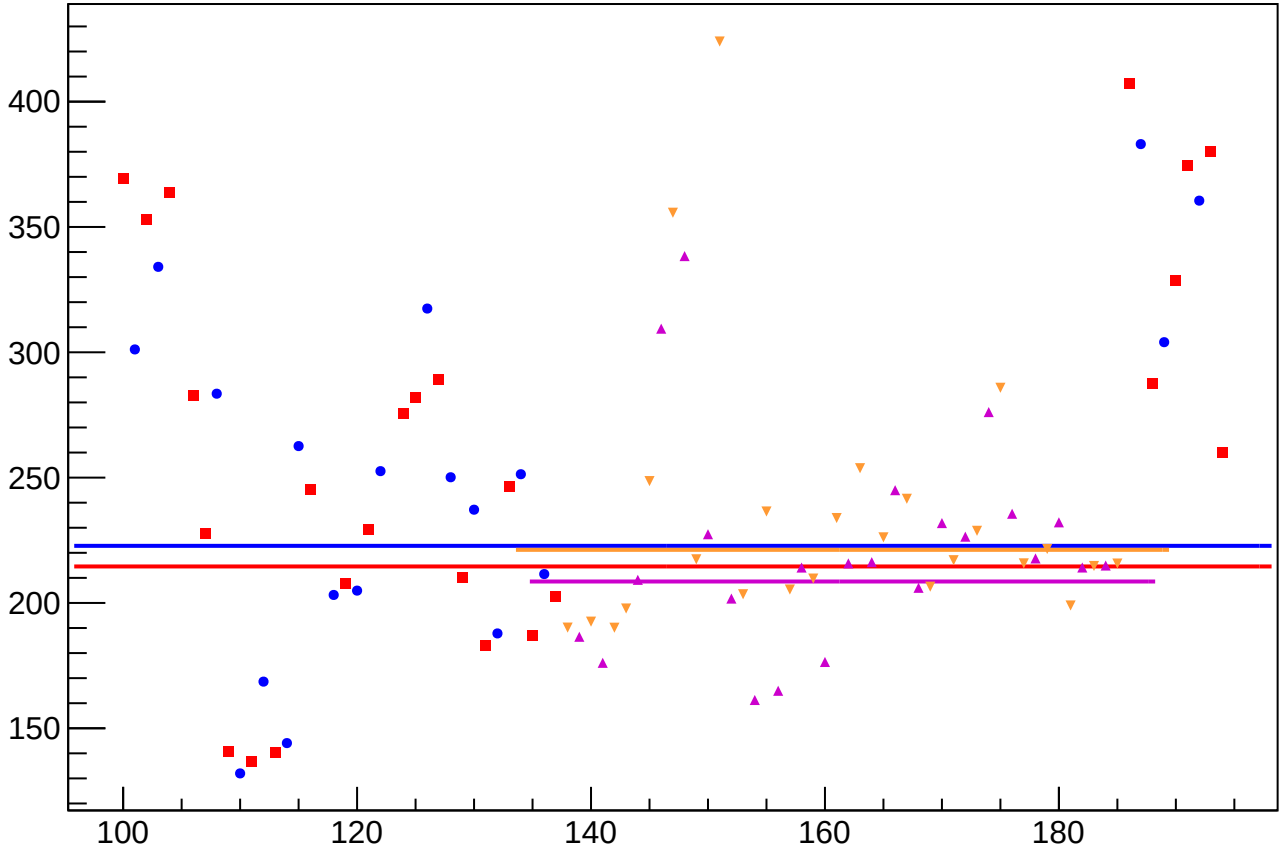
Right: -115.775+/-51.923 χ^2/NDF: 4410.4/43

In: 62.277+/-42.322 χ^2/NDF:2204.7/41

Out: 599.992+/-41.251 χ^2/NDF:5381.3/49

All: 338.026+/-29.540 χ^2/NDF: 7668.8/91

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 222.783+/-0.056 χ^2/NDF: 1347068.4/18

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 214.558+/-0.049 χ^2/NDF: 2234015.4/24

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

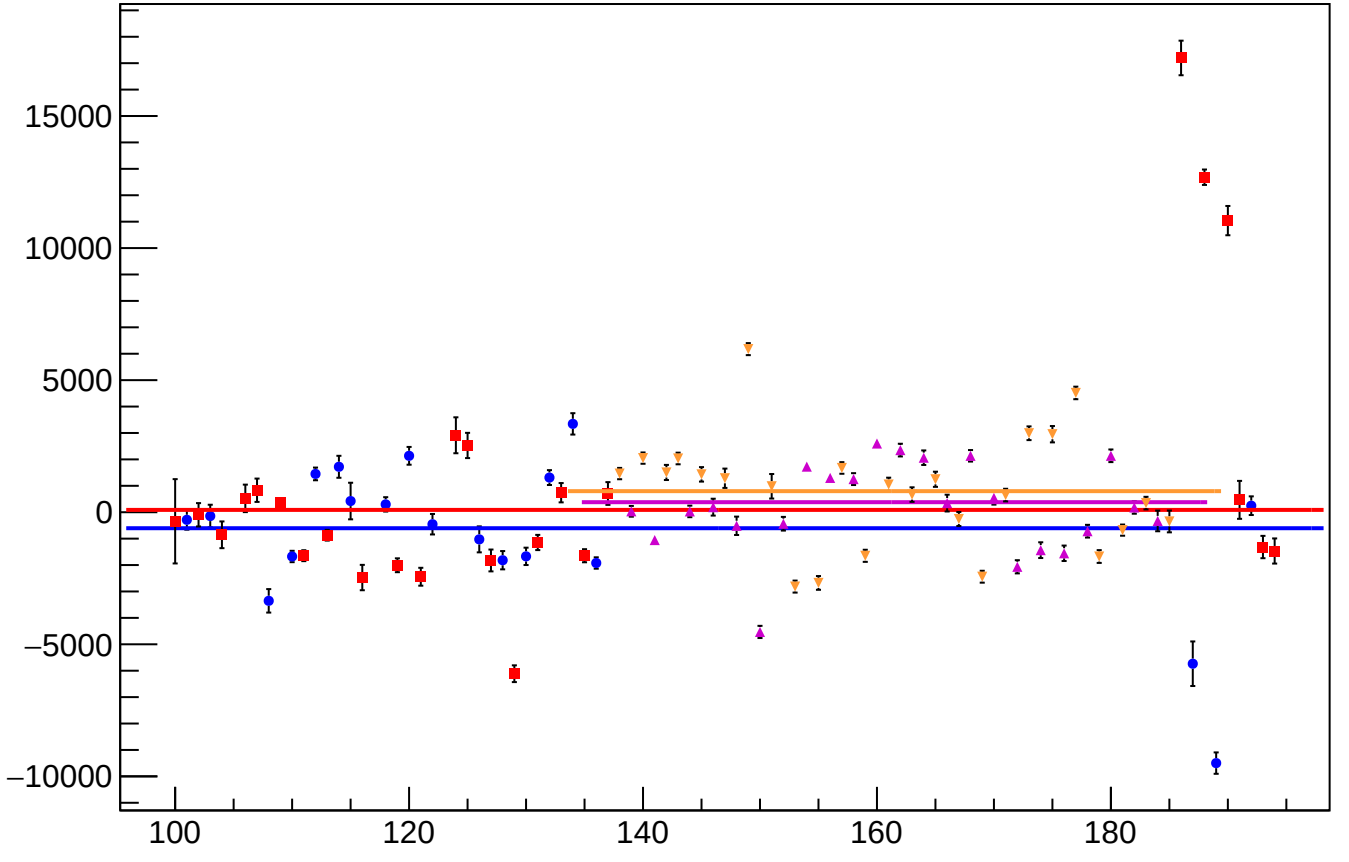
Right: 218.137+/-0.037 χ^2/NDF: 3593419.2/43

In: 212.669+/-0.030 χ^2/NDF:2429153.6/41

Out: 218.822+/-0.029 χ^2/NDF:3185378.4/49

All: 215.825+/-0.021 χ^2/NDF: 5636214.7/91

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -605.605+/-76.494 χ^2/NDF: 976.5/18

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: 87.791+/-68.185 χ^2/NDF: 3730.1/24

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

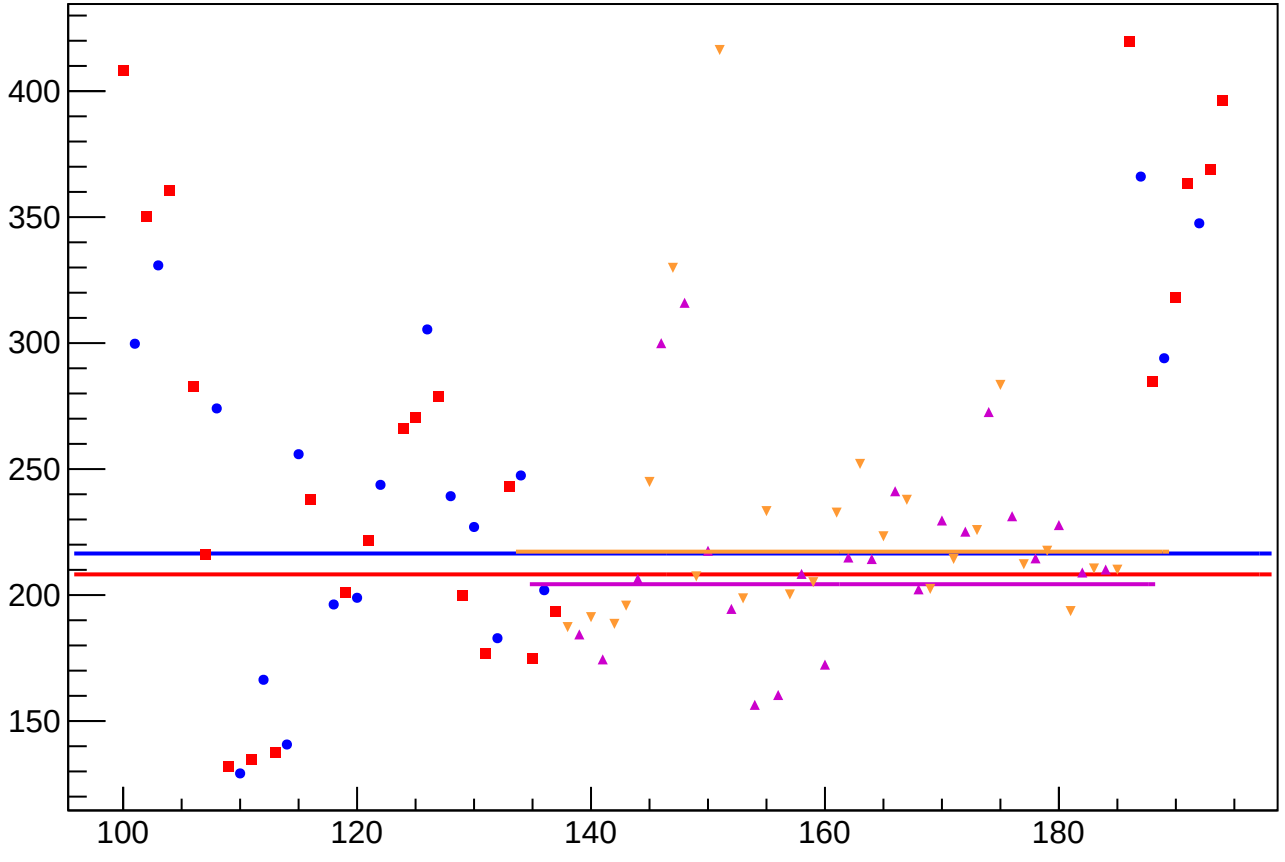
Right: -219.214+/-50.899 χ^2/NDF: 4752.4/43

In: 91.420+/-41.370 χ^2/NDF:2295.1/41

Out: 546.114+/-40.579 χ^2/NDF:5760.9/49

All: 323.155+/-28.969 χ^2/NDF: 8117.6/91

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 216.493+/-0.054 χ^2/NDF: 1327348.4/18

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 208.205+/-0.048 χ^2/NDF: 2611043.4/24

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

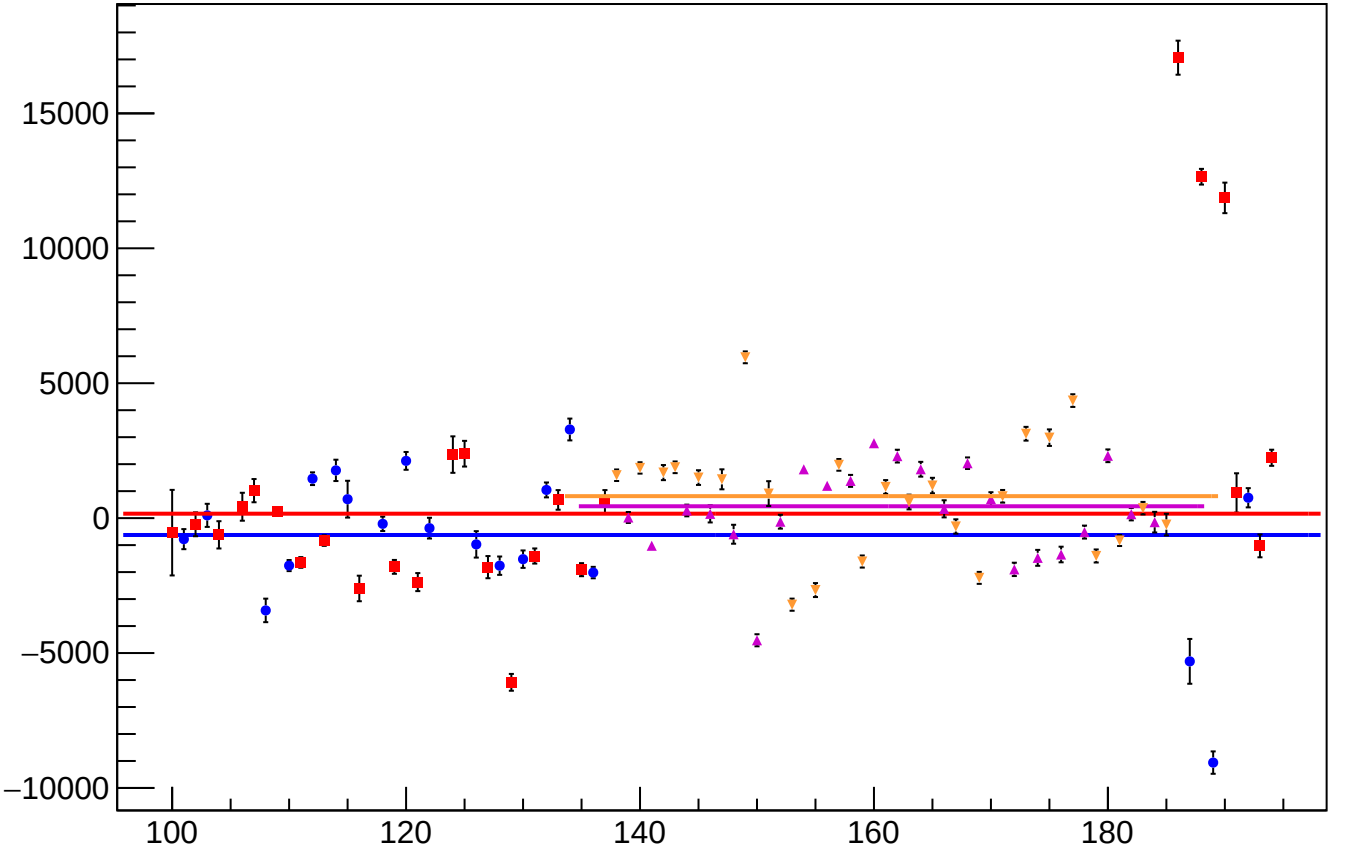
Right: 211.874+/-0.036 χ^2/NDF: 3951475.5/43

In: 207.872+/-0.029 χ^2/NDF:2378301.0/41

Out: 214.030+/-0.029 χ^2/NDF:3544090.8/49

All: 211.010+/-0.020 χ^2/NDF: 5944974.8/91

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -624.897+/-75.137 χ^2/NDF: 918.2/18

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: 164.330+/-65.723 χ^2/NDF: 3876.3/24

Left In: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

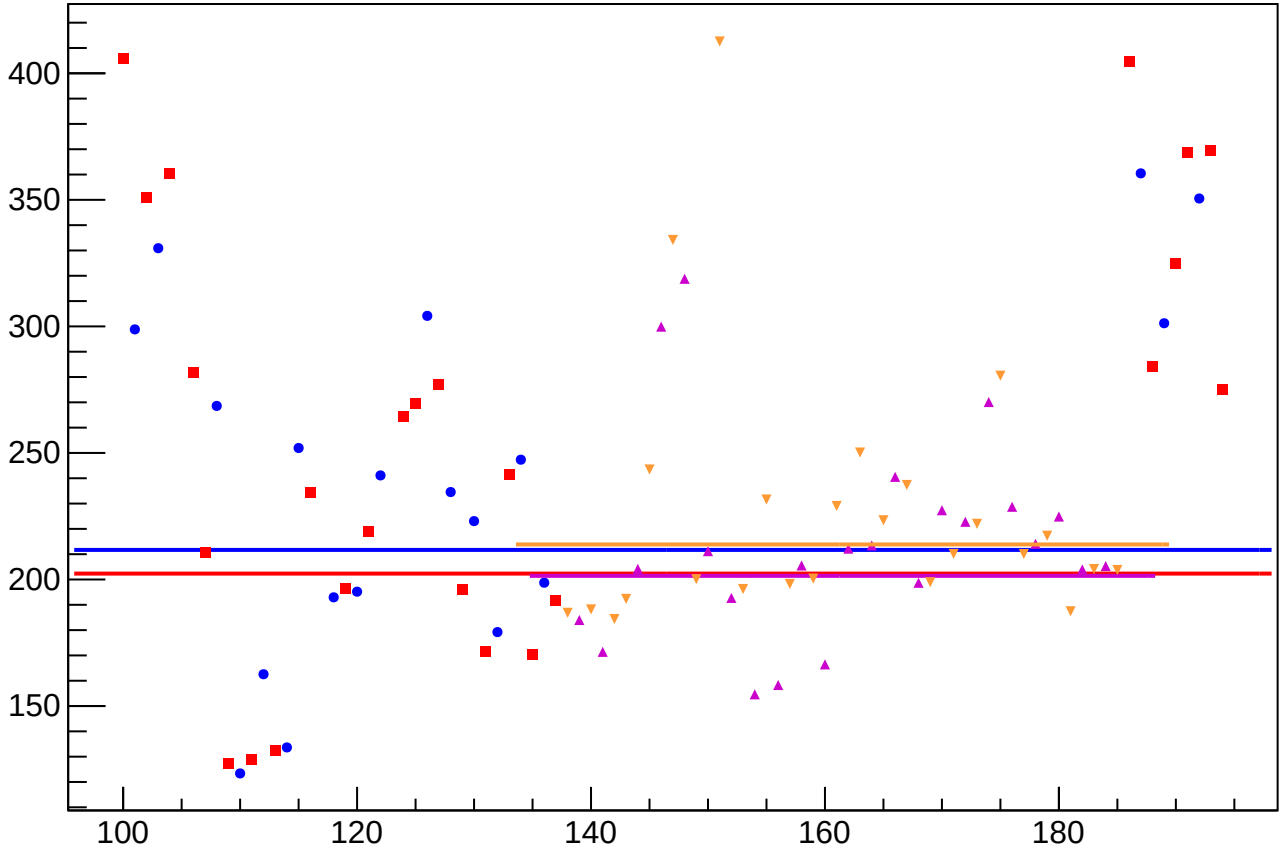
Right: -177.775+/-49.469 χ^2/NDF: 4857.1/43

In: 126.248+/-40.769 χ^2/NDF:2294.8/41

Out: 577.462+/-39.672 χ^2/NDF:5938.9/49

All: 358.009+/-28.432 χ^2/NDF: 8296.6/91

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 211.688+/-0.053 χ^2/NDF: 1461168.7/18

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 202.336+/-0.046 χ^2/NDF: 2595026.7/24

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

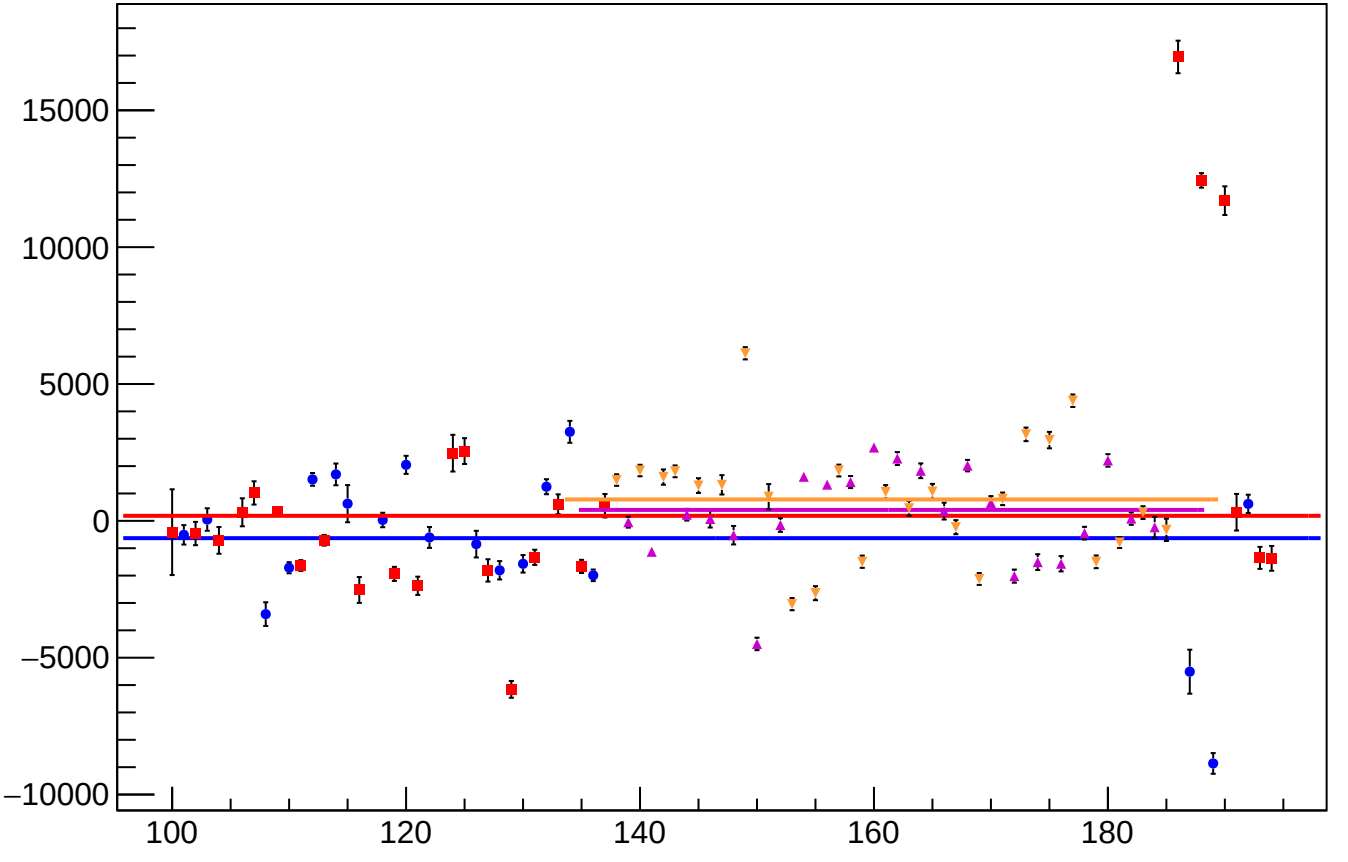
Right: 206.390+/-0.035 χ^2/NDF: 4073749.6/43

In: 204.461+/-0.029 χ^2/NDF:2549363.4/41

Out: 209.653+/-0.028 χ^2/NDF:3597615.7/49

All: 207.128+/-0.020 χ^2/NDF: 6163642.3/91

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -632.200+/-74.066 χ^2/NDF: 992.4/18

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: 184.102+/-65.481 χ^2/NDF: 4271.9/24

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

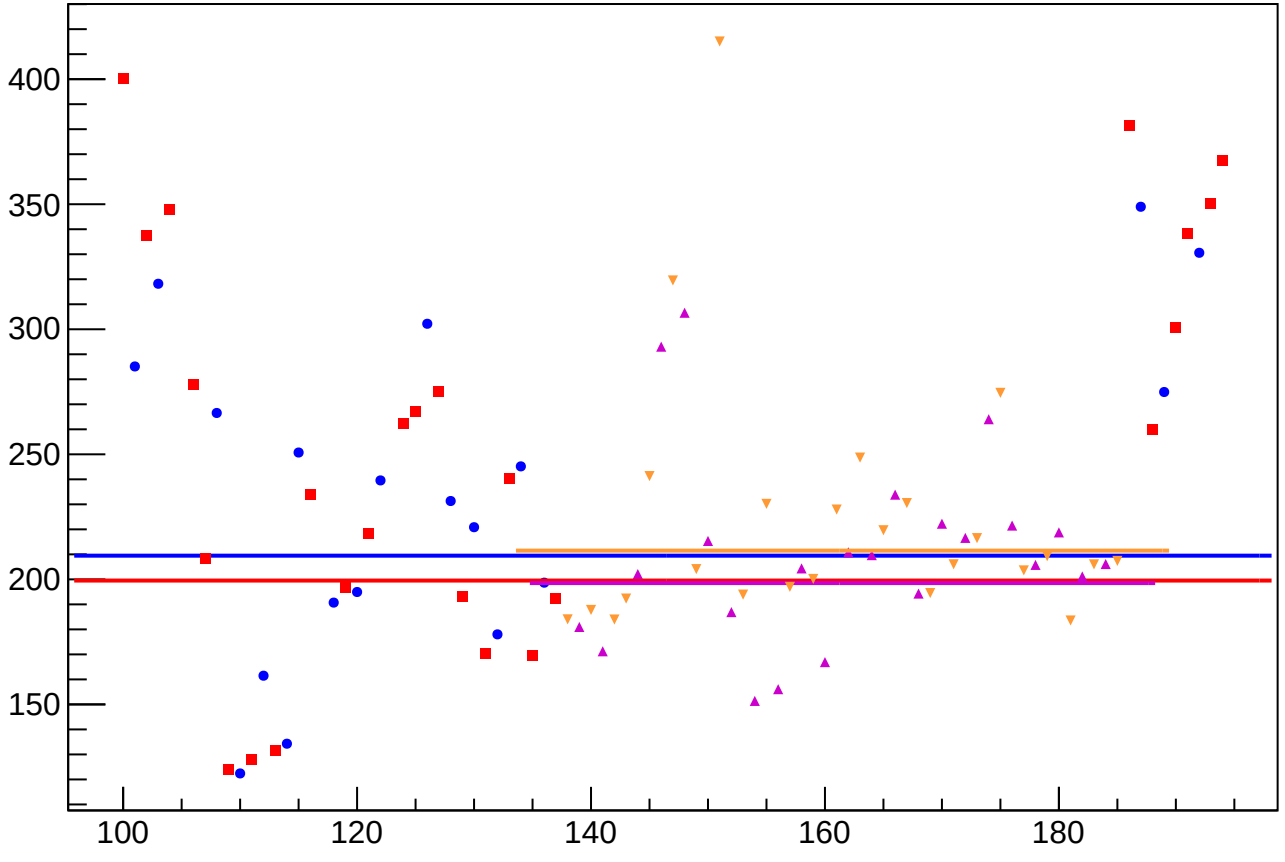
Right: -174.021+/-49.058 χ^2/NDF: 5332.5/43

In: 96.183+/-40.173 χ^2/NDF:2361.5/41

Out: 566.509+/-39.334 χ^2/NDF:6326.6/49

All: 336.313+/-28.105 χ^2/NDF: 8758.0/91

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 209.477+/-0.052 χ^2/NDF: 1329206.9/18

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 199.523+/-0.046 χ^2/NDF: 2587029.5/24

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

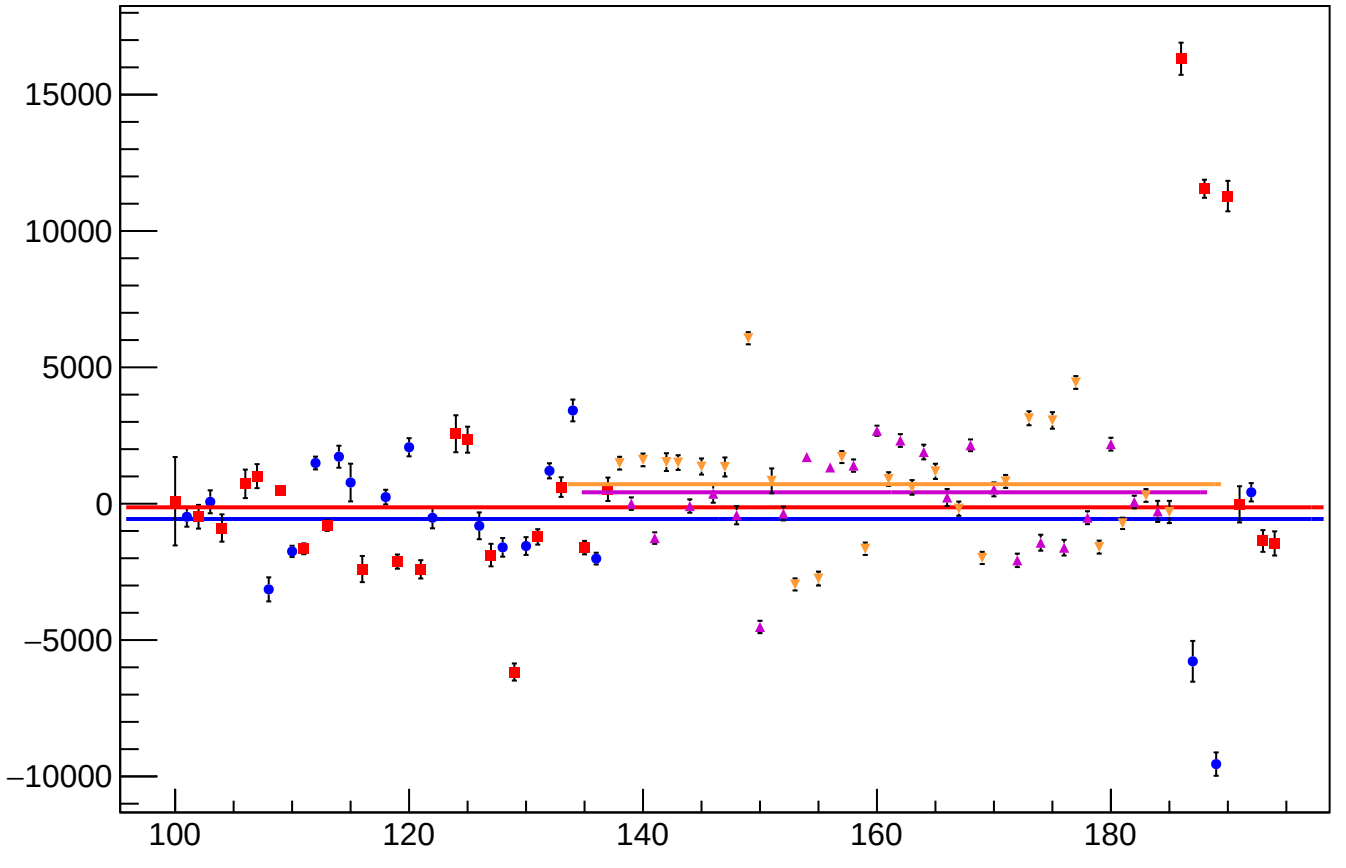
Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

Right: 203.890+/-0.035 χ^2/NDF: 3936510.5/43

In: 201.747+/-0.028 χ^2/NDF:2366533.5/41

Out: 207.176+/-0.028 χ^2/NDF:3564741.3/49

All: 204.519+/-0.020 χ^2/NDF: 5949923.3/91



Right In: -560.895+/-75.294 χ^2/NDF: 953.0/18

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: -132.262+/-67.315 χ^2/NDF: 3158.5/24

Left In: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

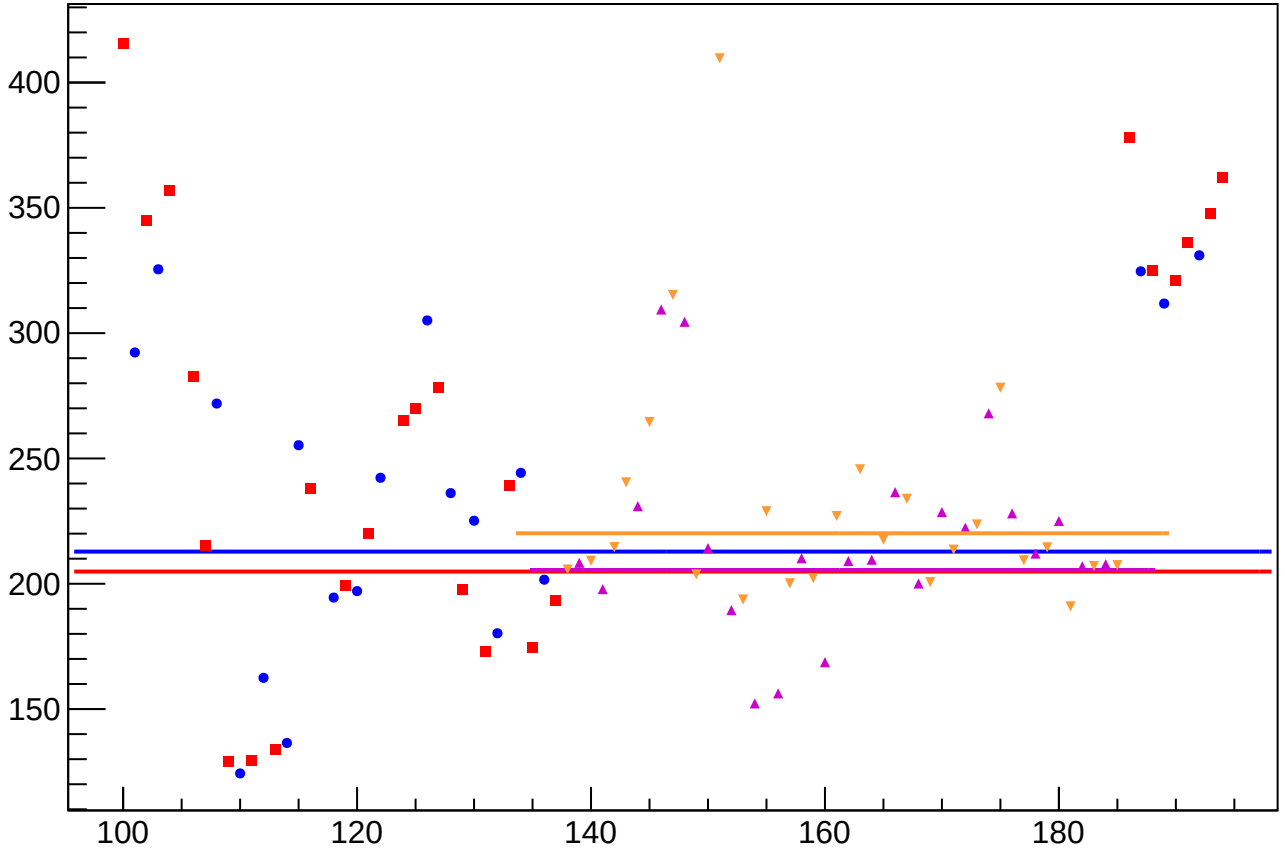
Right: -322.670+/-50.184 χ^2/NDF: 4129.5/43

In: 122.801+/-41.376 χ^2/NDF:2312.1/41

Out: 405.584+/-40.706 χ^2/NDF:5177.1/49

All: 266.499+/-29.017 χ^2/NDF: 7513.0/91

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 212.828+/-0.053 χ^2/NDF: 1361903.9/18

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 204.865+/-0.048 χ^2/NDF: 2674725.1/24

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

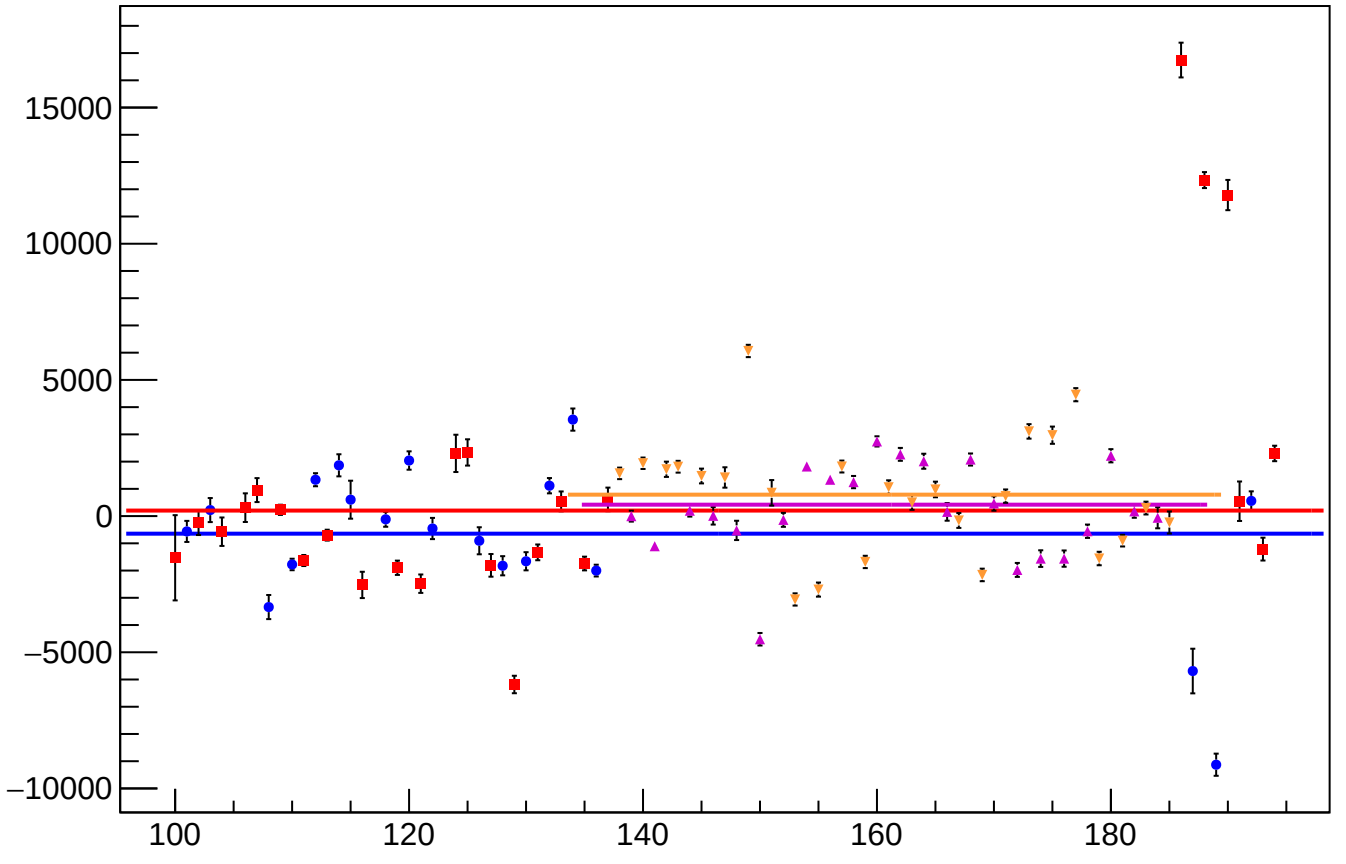
Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

Right: 208.402+/-0.035 χ^2/NDF: 4049059.7/43

In: 207.700+/-0.029 χ^2/NDF:2389159.0/41

Out: 214.558+/-0.029 χ^2/NDF:3539788.6/49

All: 211.185+/-0.021 χ^2/NDF: 5956866.1/91



Right In: -645.754+/-76.590 χ^2/NDF: 936.3/18

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: 202.772+/-66.982 χ^2/NDF: 3689.4/24

Left In: 418.824+/-49.152 χ^2/NDF:1211.0/22

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

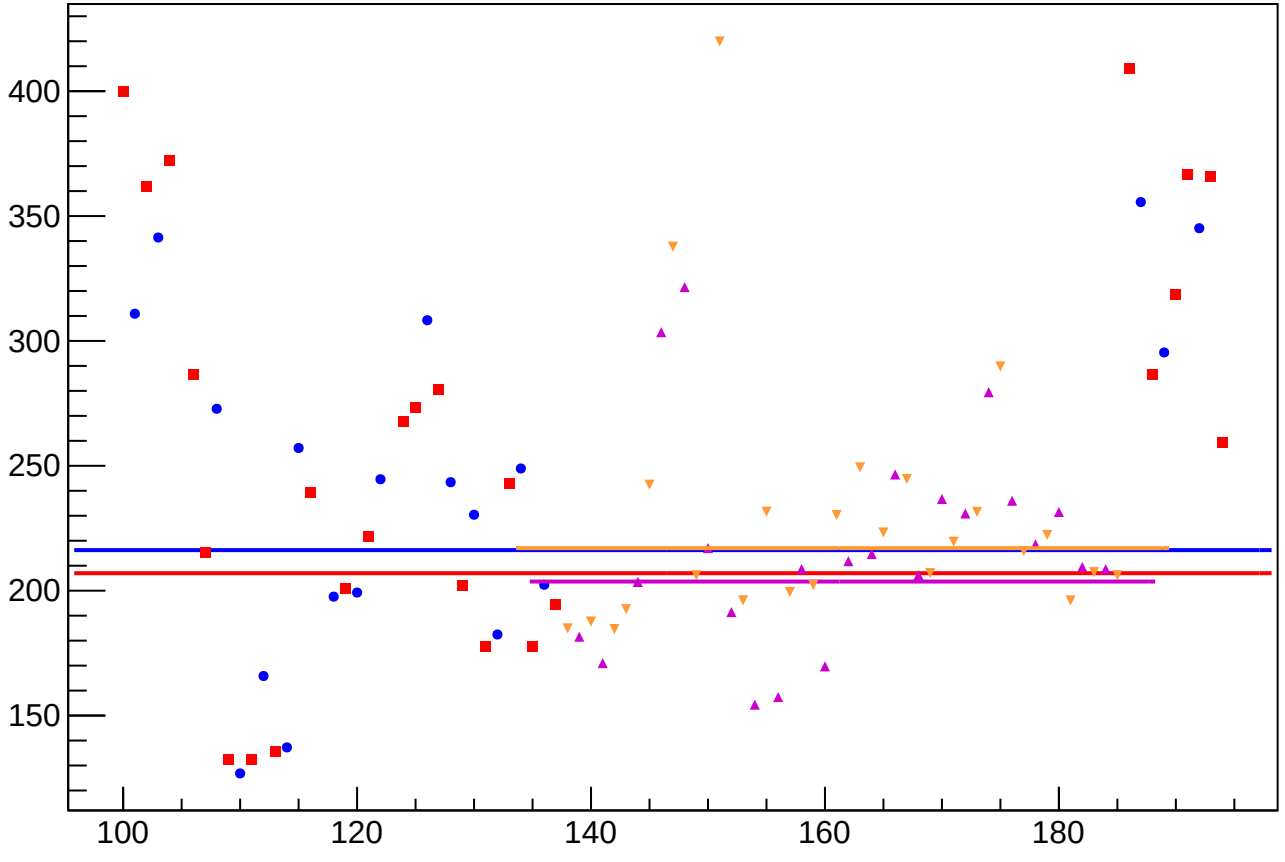
Right: -164.963+/-50.420 χ^2/NDF: 4695.2/43

In: 108.277+/-41.366 χ^2/NDF:2284.1/41

Out: 575.090+/-40.336 χ^2/NDF:5675.4/49

All: 347.568+/-28.879 χ^2/NDF: 8024.8/91

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 216.241+/-0.054 χ^2/NDF: 1405116.0/18

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 207.009+/-0.047 χ^2/NDF: 2431895.3/24

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

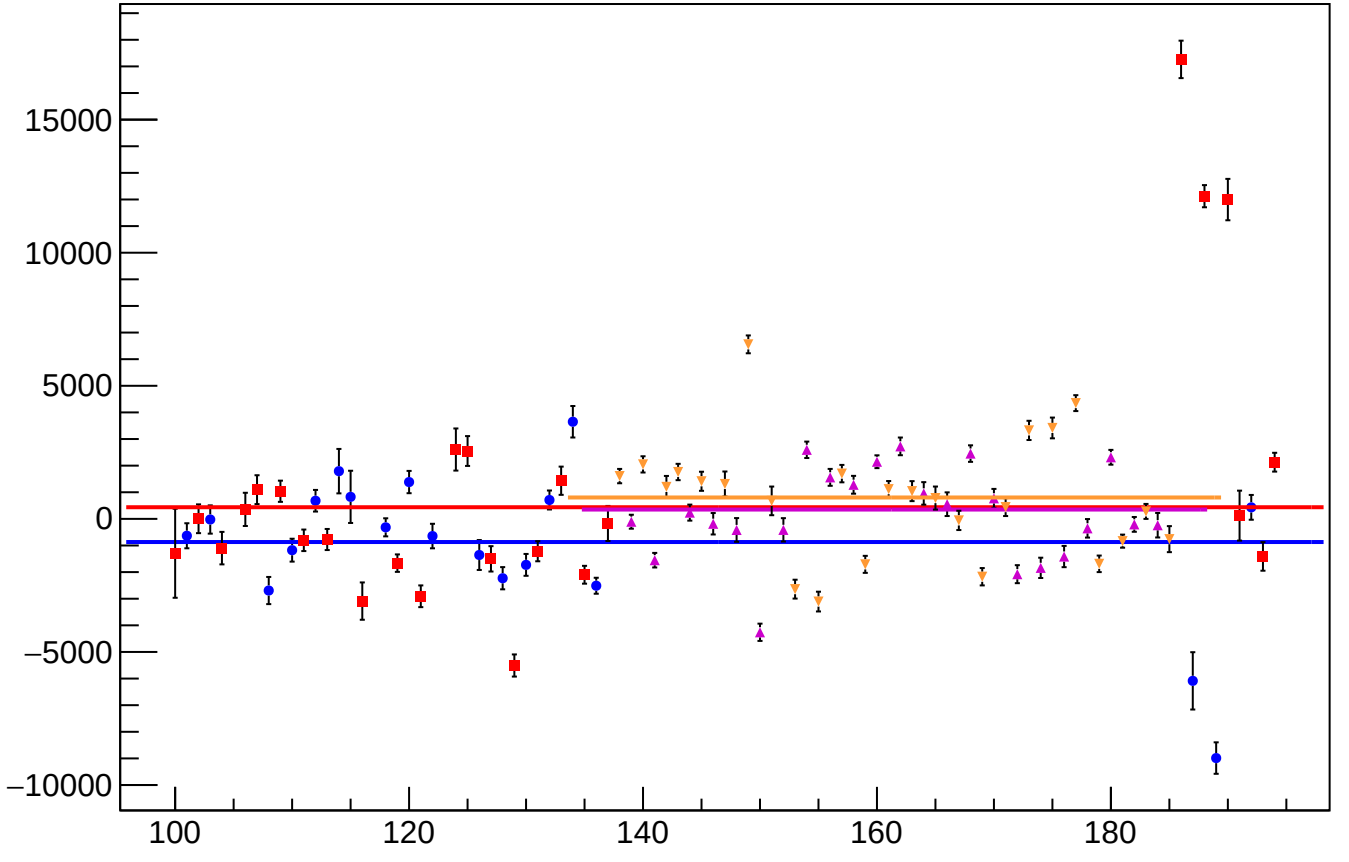
Right: 211.010+/-0.036 χ^2/NDF: 3853476.2/43

In: 207.330+/-0.029 χ^2/NDF:2608672.9/41

Out: 213.402+/-0.029 χ^2/NDF:3443654.6/49

All: 210.443+/-0.020 χ^2/NDF: 6074420.3/91

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -870.046+/-105.439 χ^2/NDF: 419.2/18

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: 437.318+/-96.506 χ^2/NDF: 2103.1/24

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

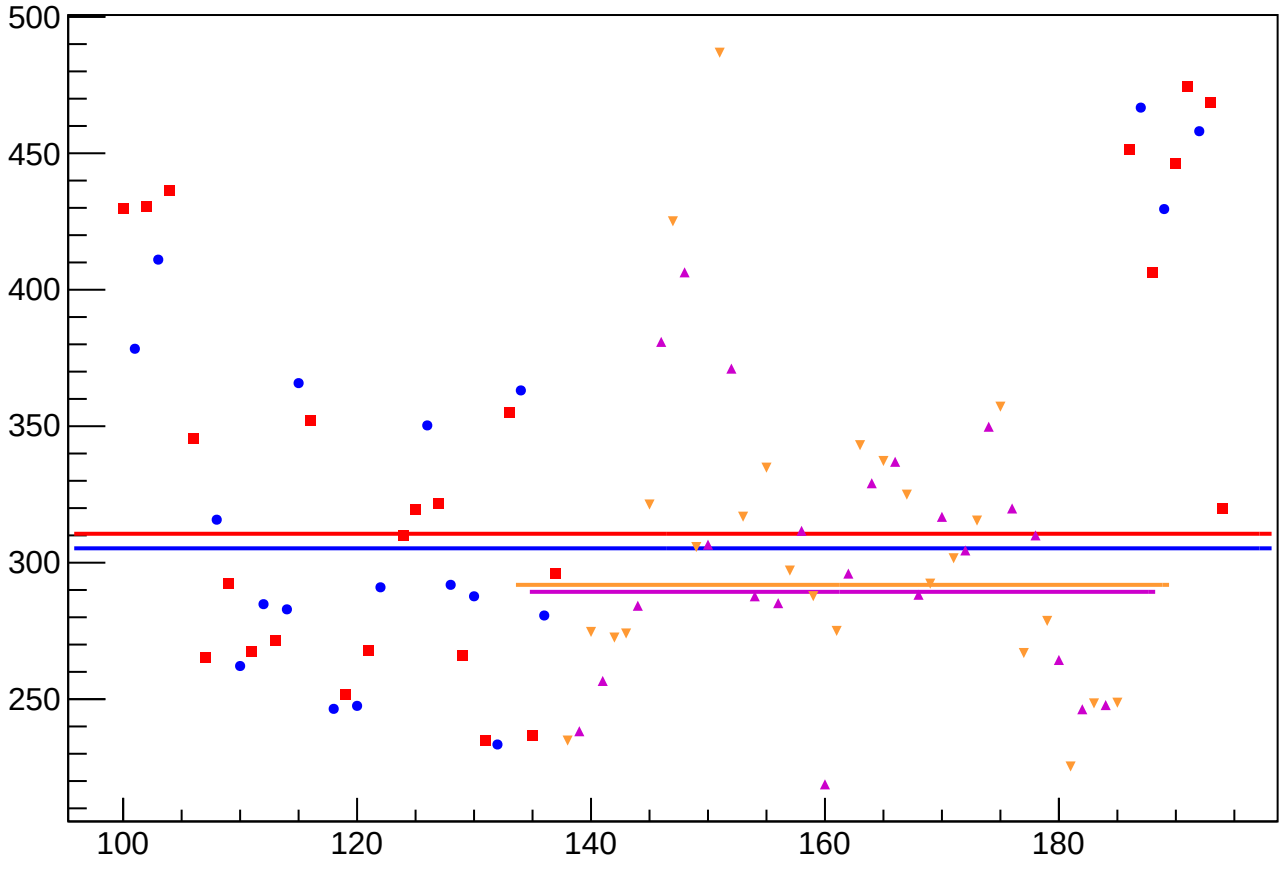
Right: -158.646+/-71.189 χ^2/NDF: 2606.0/43

In: -15.640+/-57.727 χ^2/NDF:1169.1/41

Out: 682.915+/-55.419 χ^2/NDF:3170.5/49

All: 347.883+/-39.978 χ^2/NDF: 4415.8/91

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 305.266+/-0.075 χ^2/NDF: 743843.8/18

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 310.597+/-0.068 χ^2/NDF: 1053847.0/24

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

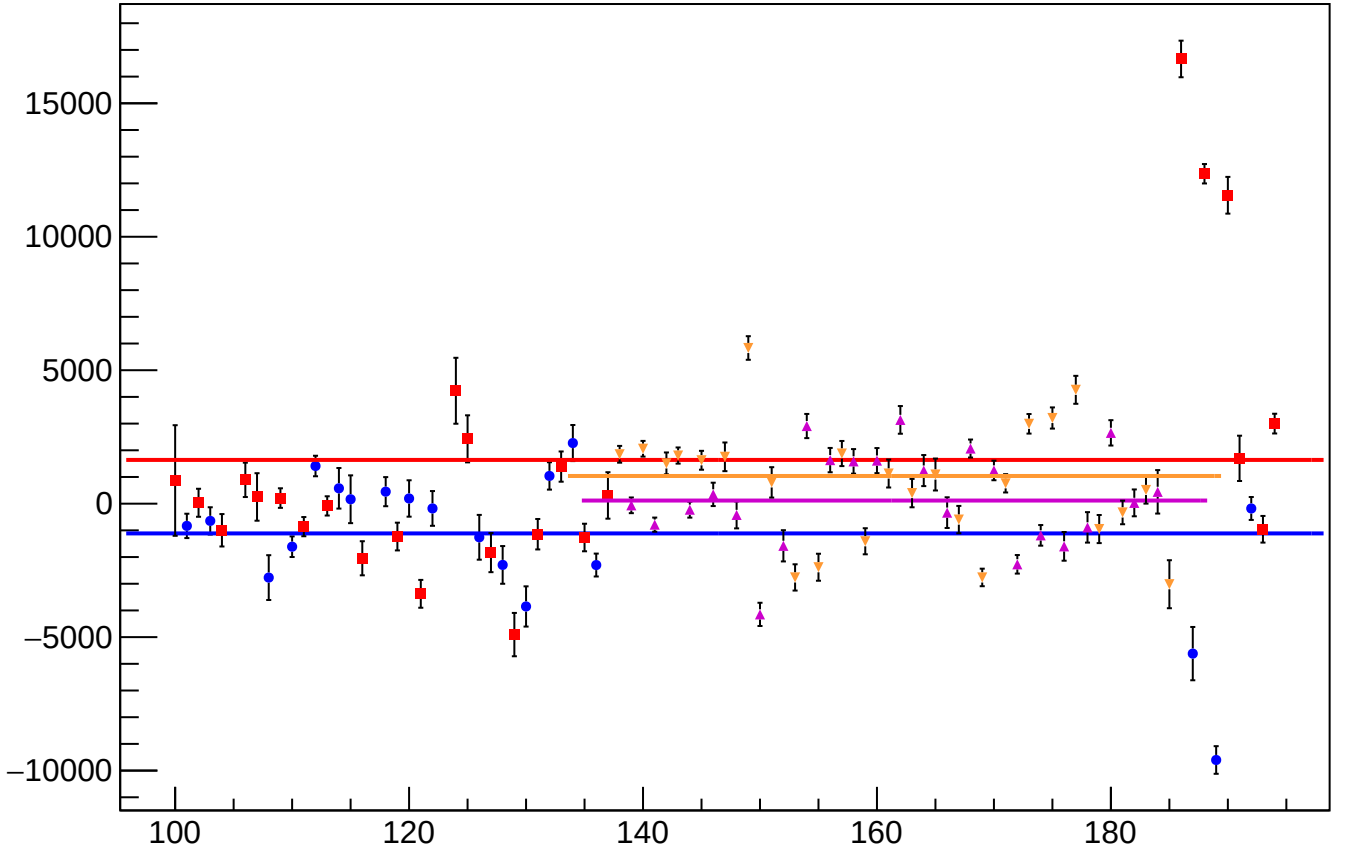
Right: 308.167+/-0.050 χ^2/NDF: 1800473.3/43

In: 294.100+/-0.041 χ^2/NDF:1584475.8/41

Out: 298.054+/-0.039 χ^2/NDF:2064176.2/49

All: 296.158+/-0.028 χ^2/NDF: 3653533.8/91

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -1114.324+/-127.893 χ^2/NDF: 431.2/18

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: 1639.093+/-109.072 χ^2/NDF: 2024.5/24

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

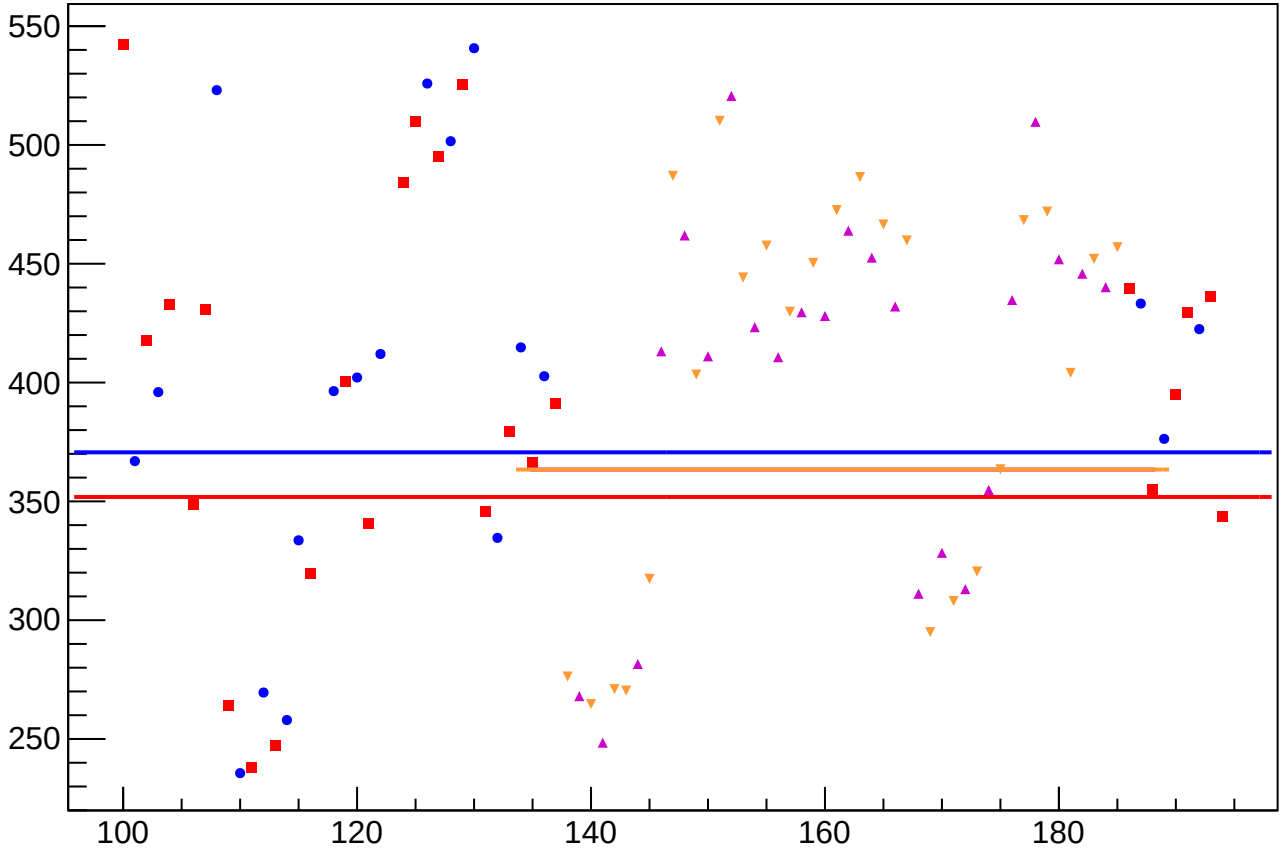
Right: 479.707+/-82.990 χ^2/NDF: 2724.1/43

In: -275.214+/-72.194 χ^2/NDF:864.8/41

Out: 1265.369+/-67.143 χ^2/NDF:2613.6/49

All: 550.846+/-49.166 χ^2/NDF: 3722.6/91

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 370.635+/-0.090 χ^2/NDF: 823399.0/18

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 351.859+/-0.077 χ^2/NDF: 987281.1/24

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

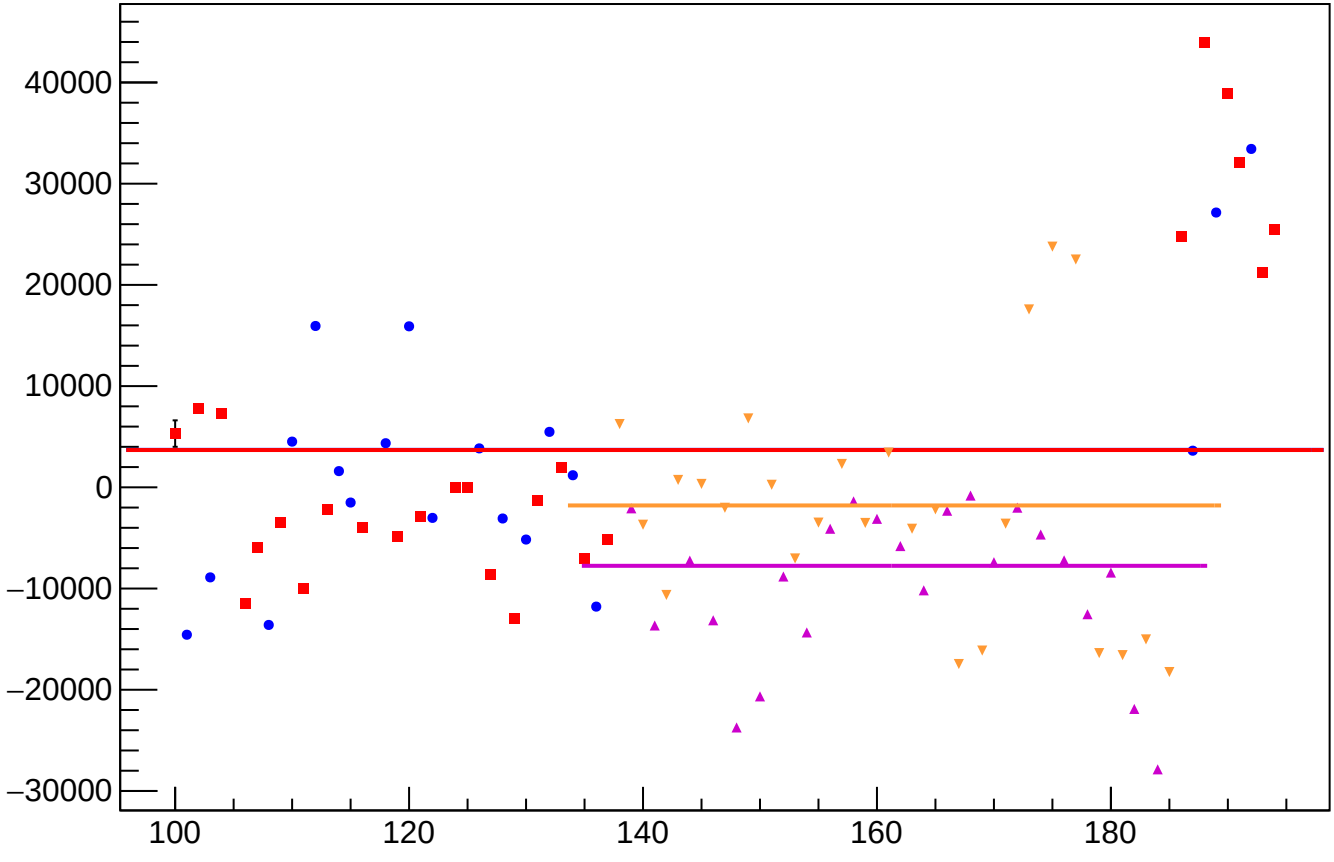
Right: 359.765+/-0.059 χ^2/NDF: 1835637.8/43

In: 365.696+/-0.051 χ^2/NDF:2539376.1/41

Out: 359.018+/-0.047 χ^2/NDF:2941654.7/49

All: 362.116+/-0.035 χ^2/NDF: 5490206.4/91

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 3701.488+/-50.519 χ^2/NDF: 70052.0/18

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 3684.732+/-45.640 χ^2/NDF: 128222.5/24

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

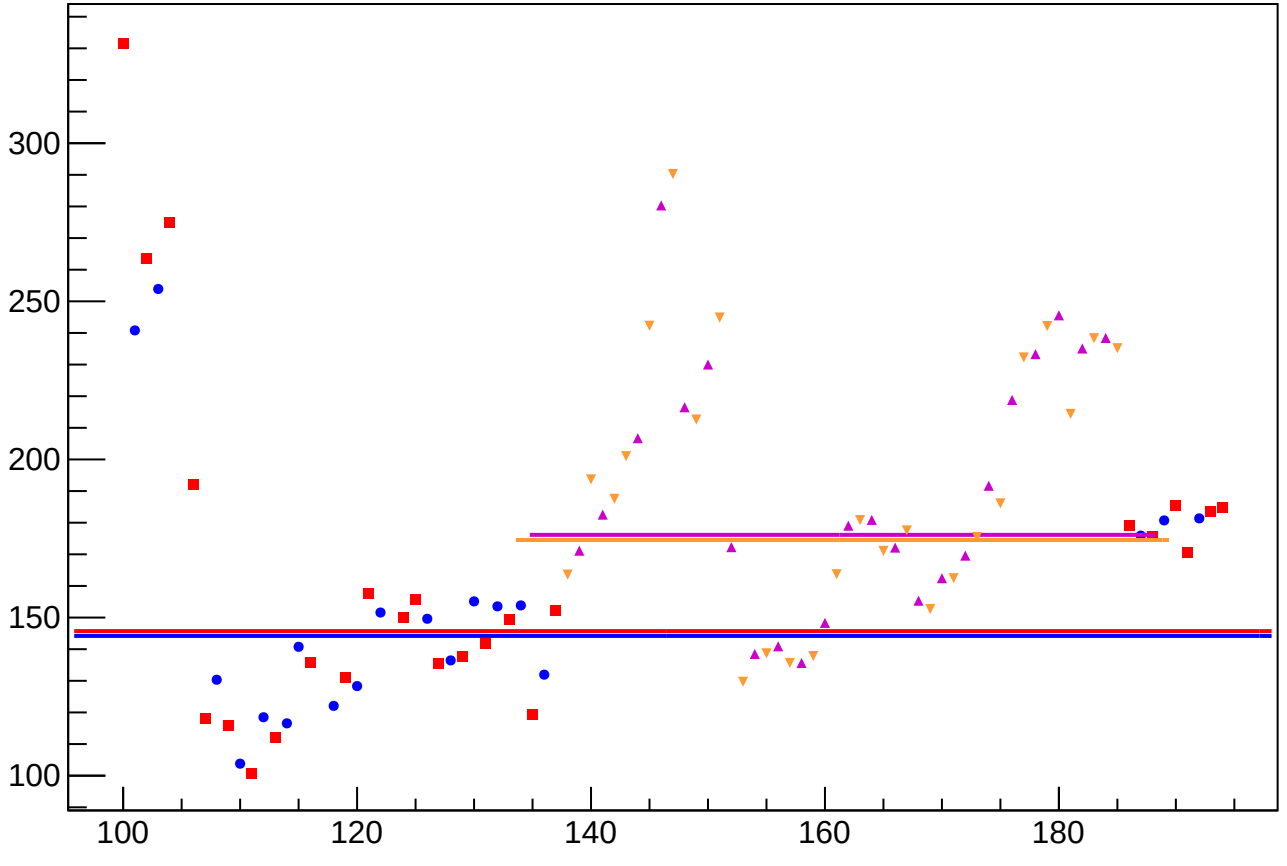
Right: 3692.262+/-33.866 χ^2/NDF: 198274.6/43

In: -2997.463+/-32.554 χ^2/NDF:123400.1/41

Out: 648.930+/-30.463 χ^2/NDF:201948.0/49

All: -1053.416+/-22.243 χ^2/NDF: 332037.1/9

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 144.196+/-0.036 χ^2/NDF: 814191.8/18

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 145.718+/-0.032 χ^2/NDF: 1242826.1/24

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

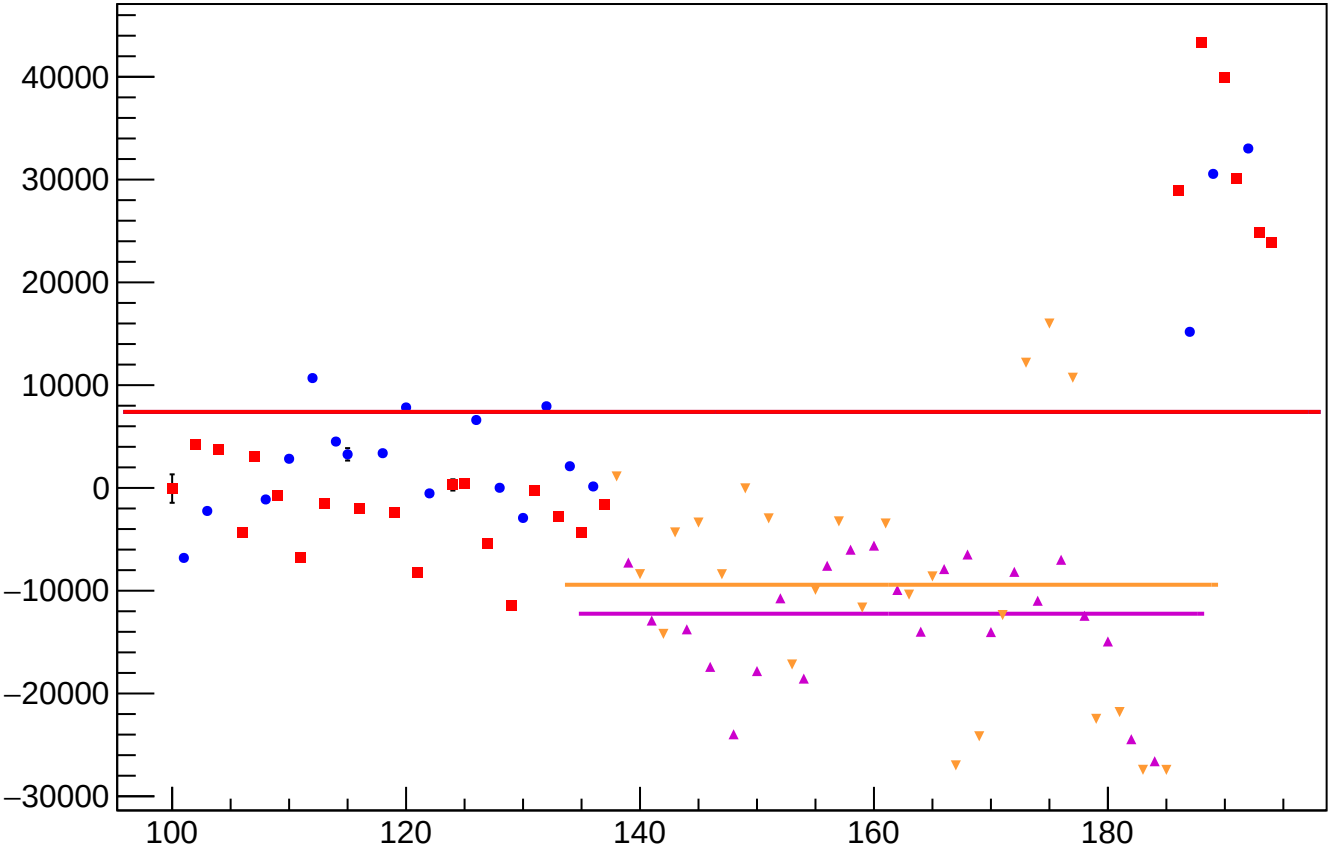
Right: 145.034+/-0.024 χ^2/NDF: 2058016.9/43

In: 162.884+/-0.023 χ^2/NDF:2649275.6/41

Out: 161.688+/-0.022 χ^2/NDF:3343969.4/49

All: 162.247+/-0.016 χ^2/NDF: 5994683.4/91

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 7393.072+/-63.070 χ^2/NDF: 32076.8/18

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 7399.638+/-54.854 χ^2/NDF: 97520.3/24

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

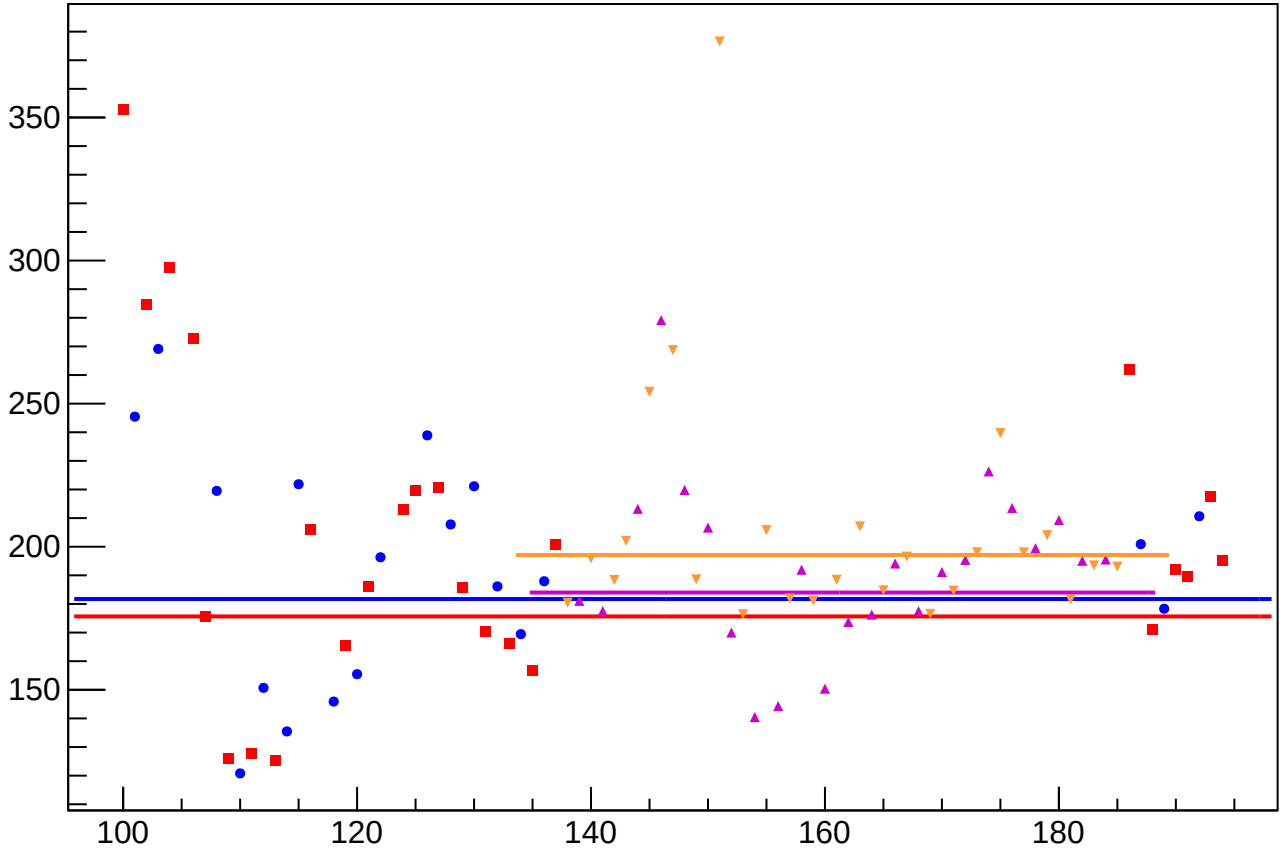
Right: 7396.810+/-41.390 χ^2/NDF: 129597.1/43

In: -5773.570+/-36.194 χ^2/NDF:113073.8/41

Out: -2529.278+/-35.110 χ^2/NDF:217740.9/49

All: -4102.155+/-25.201 χ^2/NDF: 334954.1/9

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 181.721+/-0.045 χ^2/NDF: 719002.3/18

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 175.646+/-0.039 χ^2/NDF: 1176979.0/24

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

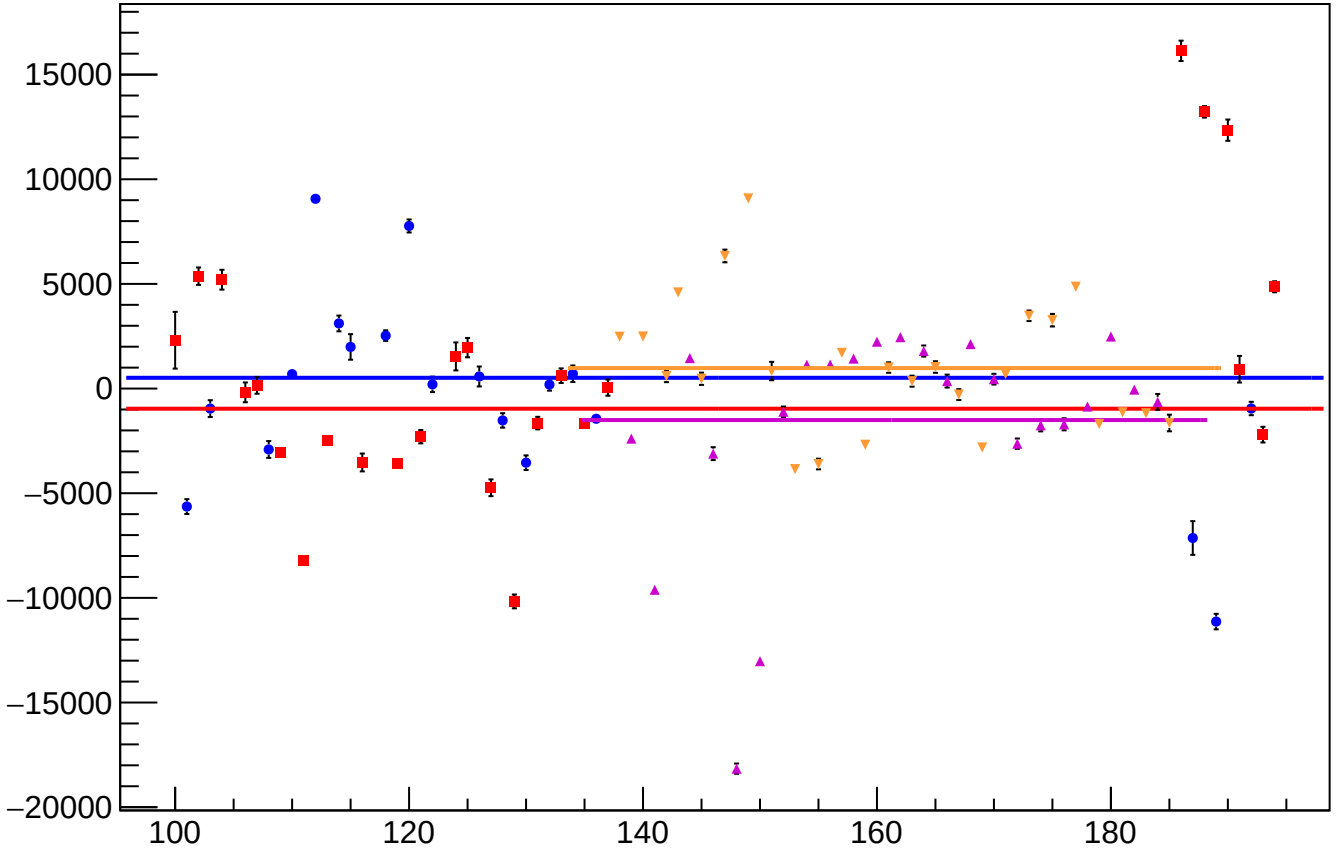
Right: 178.262+/-0.029 χ^2/NDF: 1906545.2/43

In: 183.240+/-0.026 χ^2/NDF:1550509.5/41

Out: 188.324+/-0.025 χ^2/NDF:2090479.7/49

All: 185.859+/-0.018 χ^2/NDF: 3661319.8/91

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 514.355+/-72.178 χ^2/NDF: 3823.4/18

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -962.287+/-62.657 χ^2/NDF: 8316.4/24

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

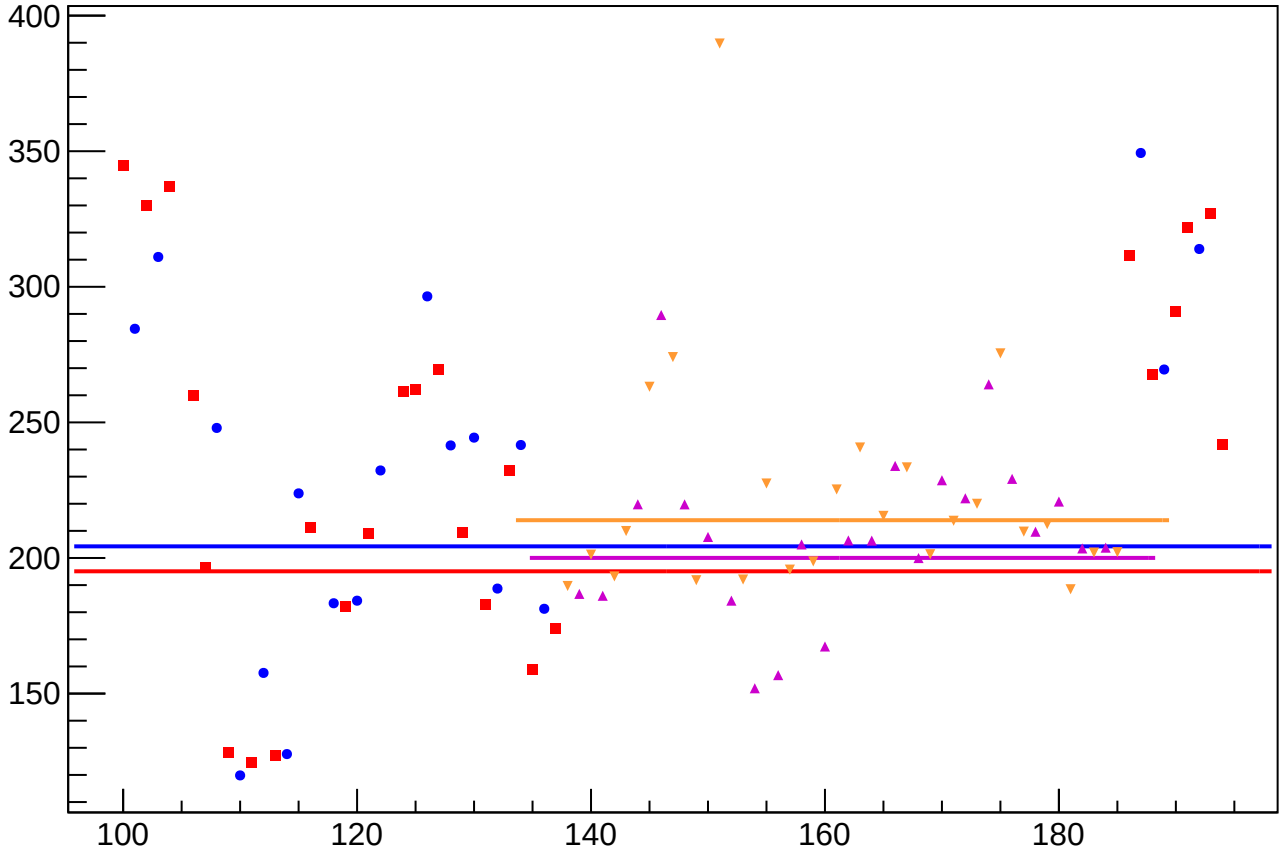
Right: -327.720+/-47.316 χ^2/NDF: 12378.5/43

In: -884.935+/-39.998 χ^2/NDF:15846.4/41

Out: 230.656+/-38.893 χ^2/NDF:13229.0/49

All: -311.516+/-27.884 χ^2/NDF: 29475.3/91

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 204.289+/-0.051 χ^2/NDF: 1364940.3/18

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 195.088+/-0.044 χ^2/NDF: 2211229.9/24

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

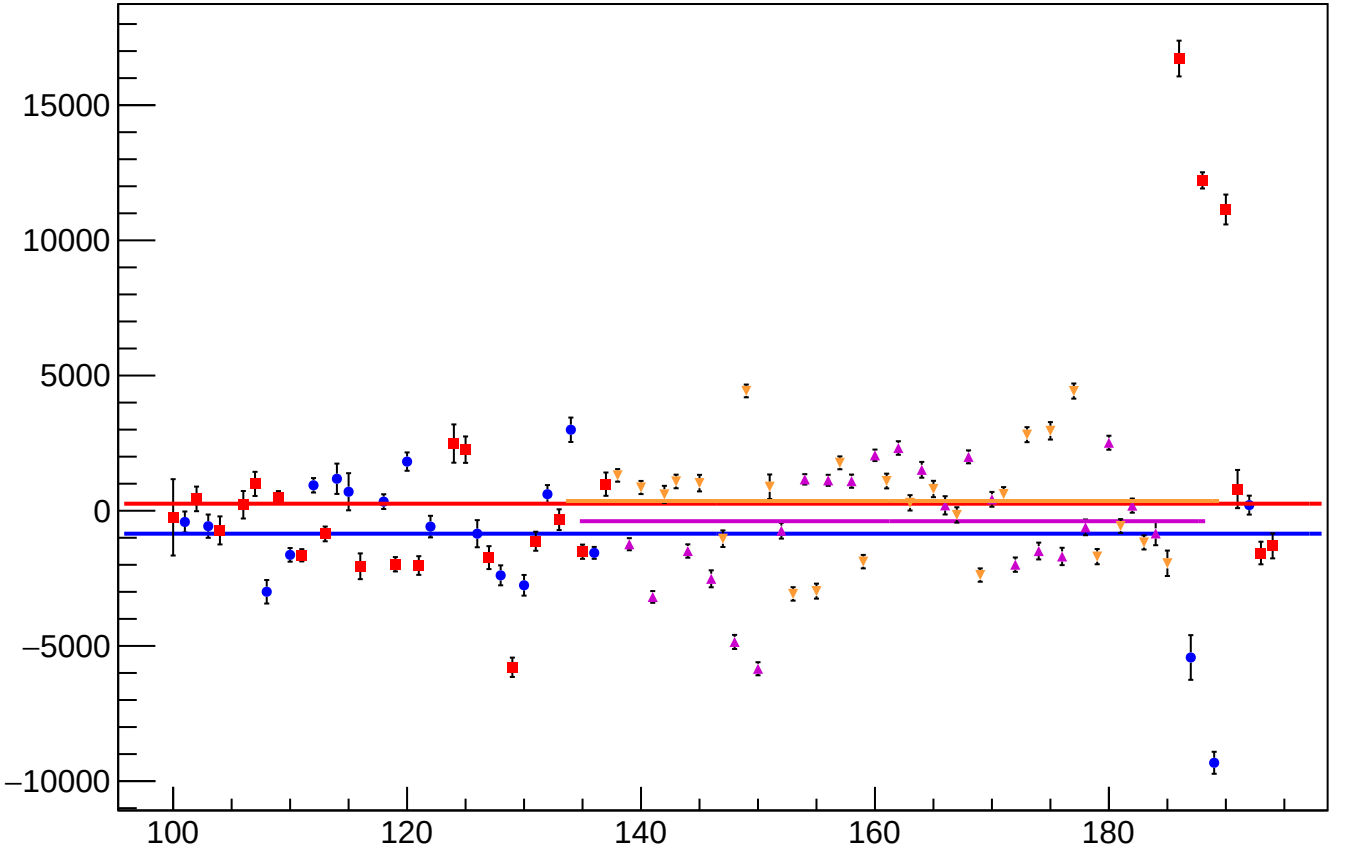
Right: 199.042+/-0.033 χ^2/NDF: 3594701.6/43

In: 201.338+/-0.028 χ^2/NDF:2155289.1/41

Out: 206.671+/-0.028 χ^2/NDF:3056051.8/49

All: 204.079+/-0.020 χ^2/NDF: 5229613.8/91

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -848.803+/-81.998 χ^2/NDF: 796.3/18

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 260.439+/-74.179 χ^2/NDF: 3268.1/24

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

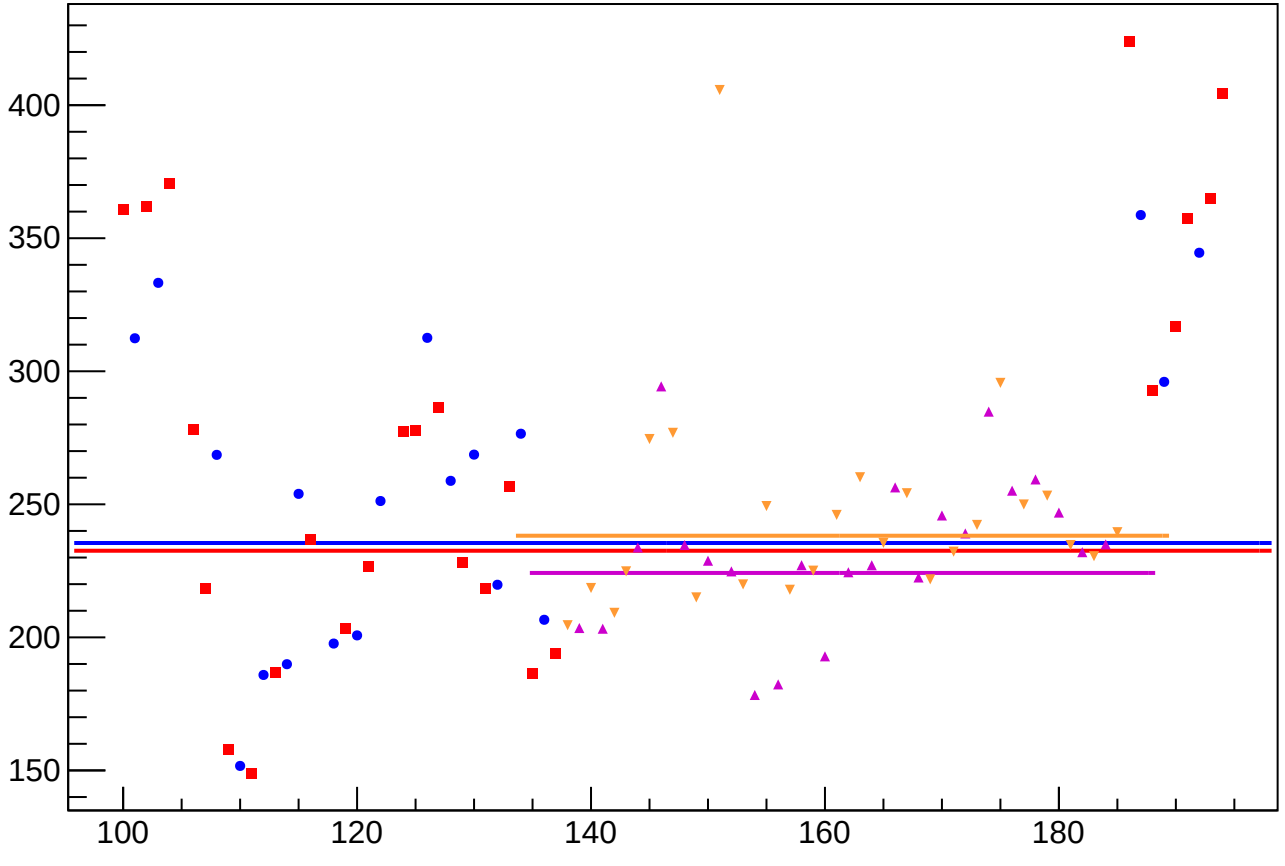
Right: -238.786+/-55.010 χ^2/NDF: 4165.0/43

In: -524.950+/-44.823 χ^2/NDF:2622.7/41

Out: 323.838+/-44.176 χ^2/NDF:4688.1/49

All: -94.389+/-31.463 χ^2/NDF: 7492.6/91

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 235.466+/-0.058 χ^2/NDF: 966882.0/18

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 232.557+/-0.052 χ^2/NDF: 1902032.4/24

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

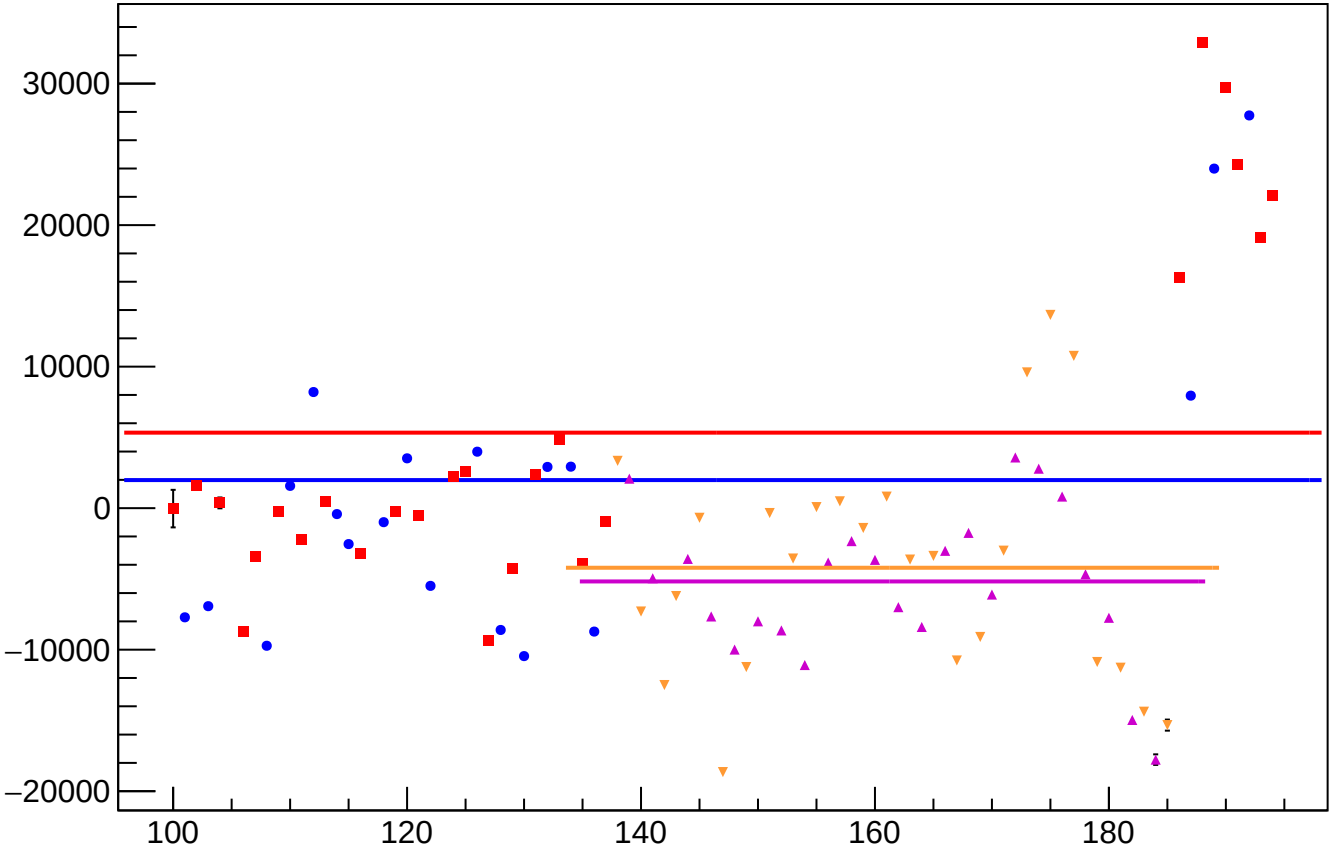
Right: 233.866+/-0.039 χ^2/NDF: 2870299.1/43

In: 227.575+/-0.032 χ^2/NDF:1556530.0/41

Out: 236.198+/-0.031 χ^2/NDF:2477436.0/49

All: 231.949+/-0.022 χ^2/NDF: 4071515.1/91

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 1984.147+/-42.997 χ^2/NDF: 68453.0/18

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5335.781+/-38.499 χ^2/NDF: 101168.4/24

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

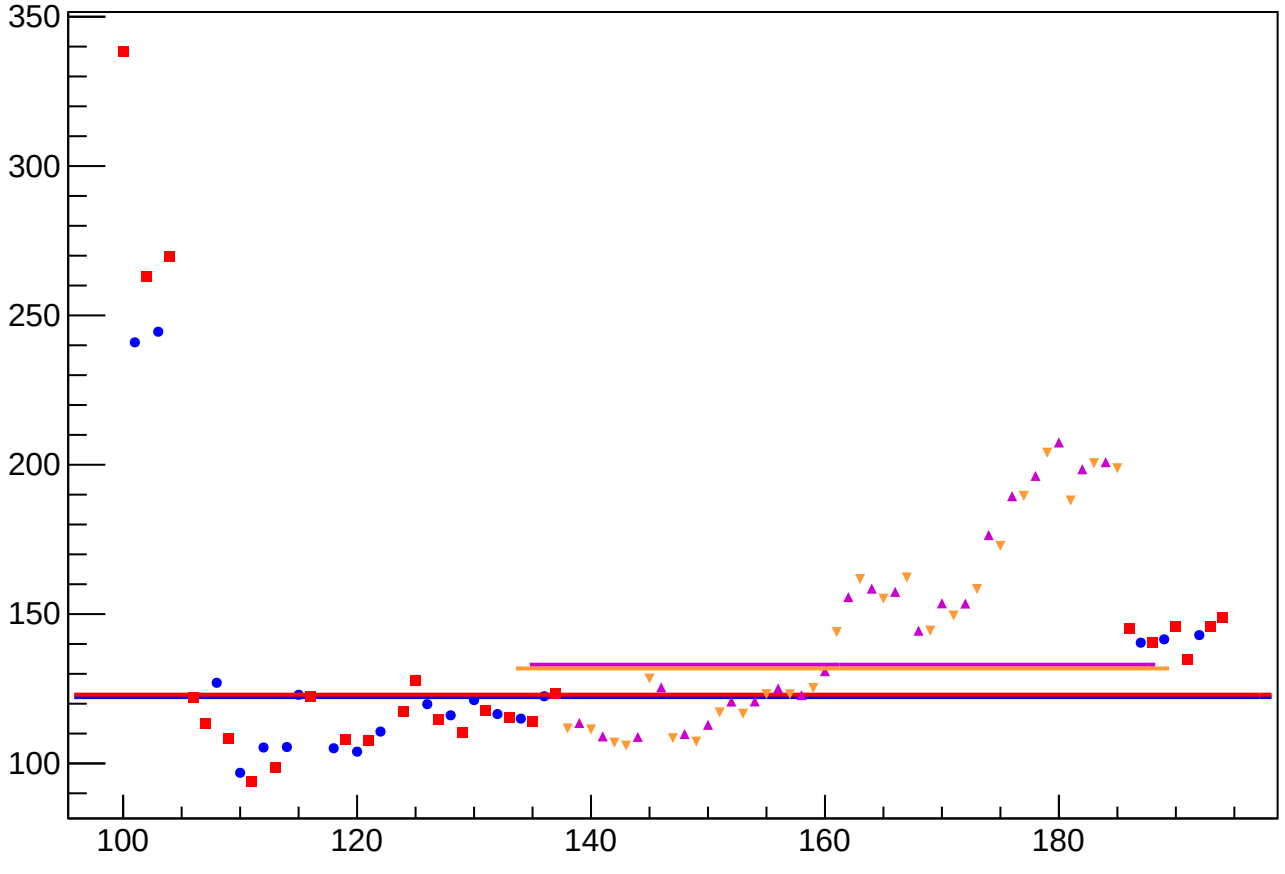
Right: 3844.366+/-28.682 χ^2/NDF: 172993.9/43

In: -2628.279+/-25.655 χ^2/NDF:104864.0/41

Out: -480.911+/-24.064 χ^2/NDF:195435.0/49

All: -1485.955+/-17.551 χ^2/NDF: 304026.0/9

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 122.215+/-0.030 χ^2/NDF: 812656.5/18

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 123.025+/-0.027 χ^2/NDF: 1079246.9/24

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

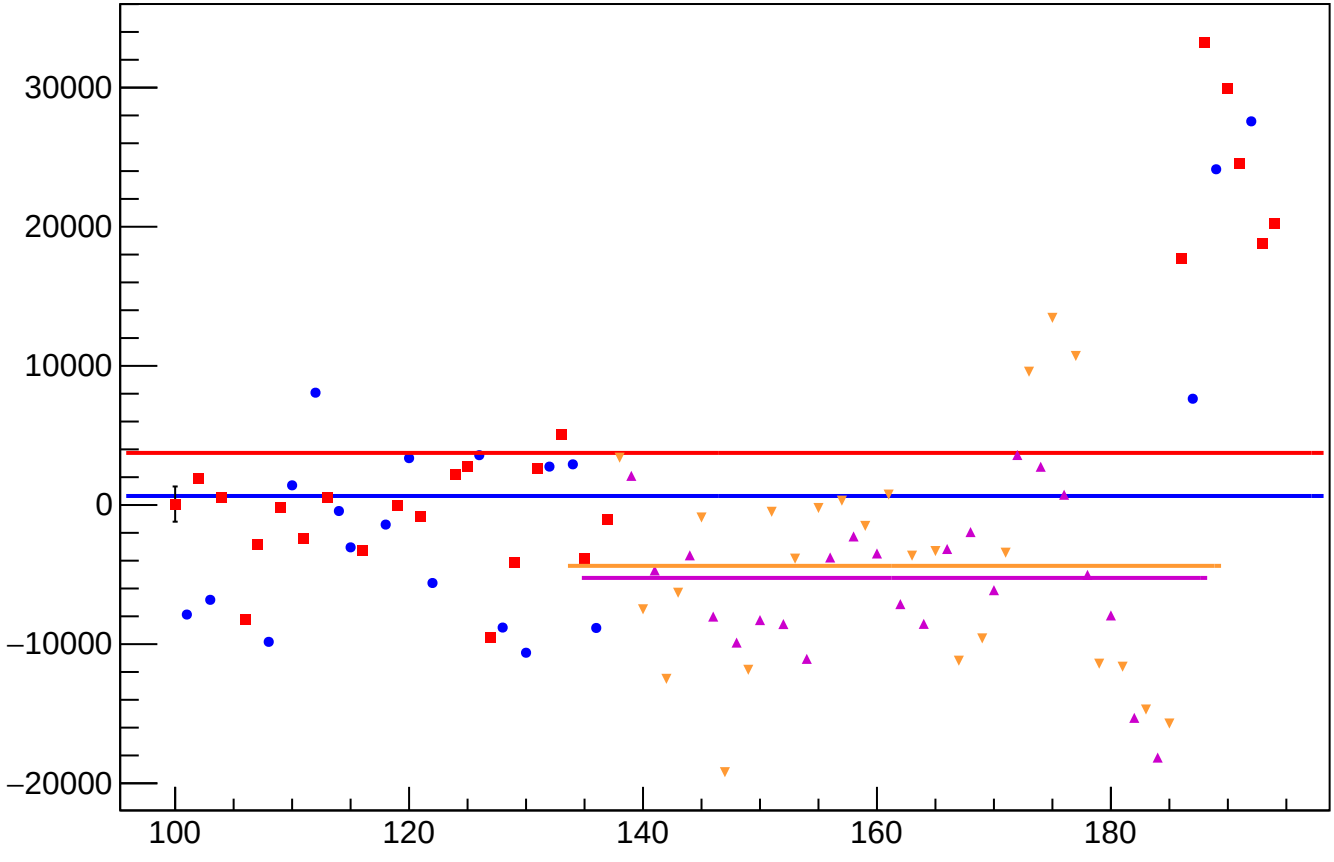
Right: 122.664+/-0.020 χ^2/NDF: 1892297.6/43

In: 129.200+/-0.018 χ^2/NDF:2312874.9/41

Out: 128.370+/-0.017 χ^2/NDF:2686862.2/49

All: 128.758+/-0.012 χ^2/NDF: 5000849.4/91

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 649.564+/-37.439 χ^2/NDF: 72896.0/18

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: 3745.150+/-34.042 χ^2/NDF: 108918.5/24

Left In: -5239.784+/-29.252 χ^2/NDF:22273.2/22

Left: -4786.626+/-20.210 χ^2/NDF: 89950.9/47

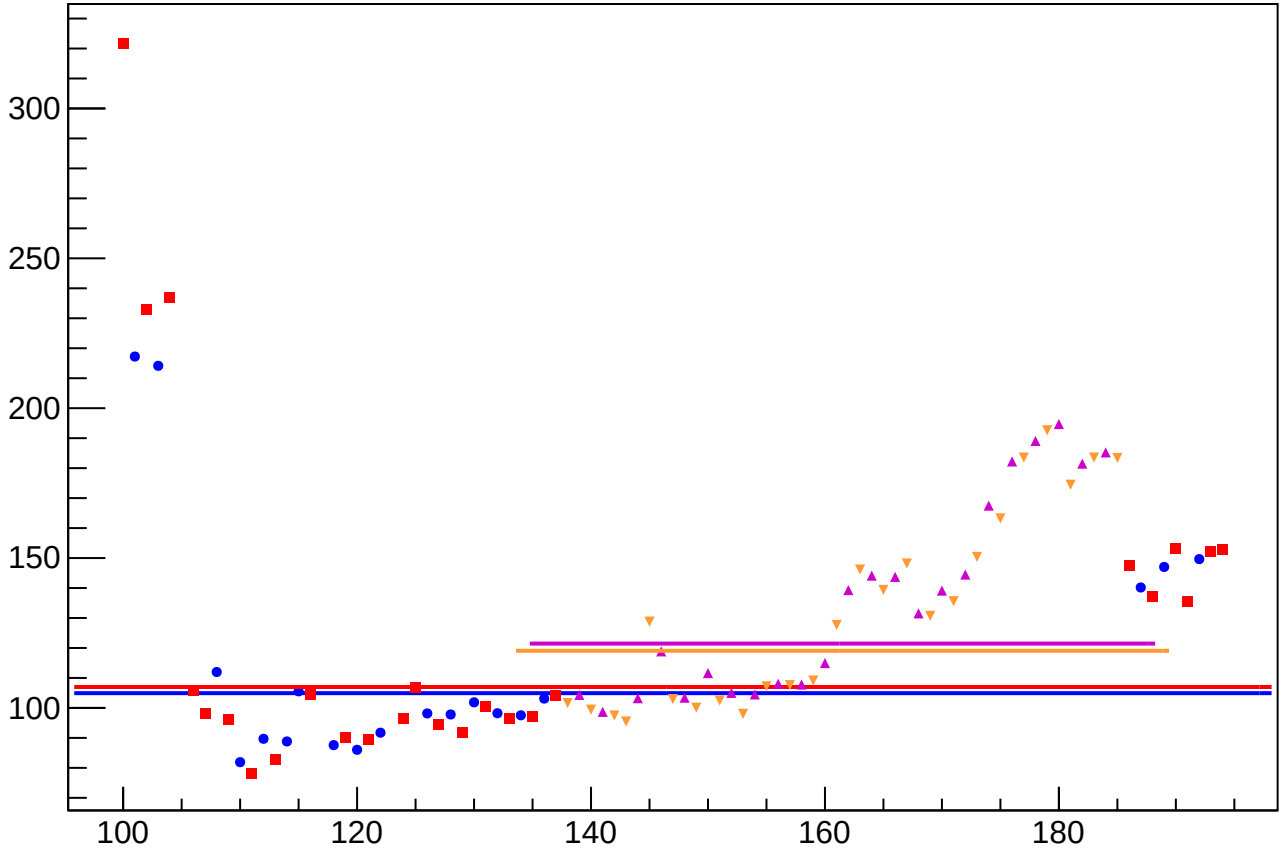
Right: 2344.145+/-25.187 χ^2/NDF: 185556.9/43

In: -3007.417+/-23.050 χ^2/NDF:110534.2/41

Out: -1103.200+/-21.604 χ^2/NDF:210099.9/49

All: -1993.706+/-15.763 χ^2/NDF: 324267.1/9

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 104.925+/-0.026 χ^2/NDF: 1124544.2/18

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 106.985+/-0.024 χ^2/NDF: 1589740.2/24

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

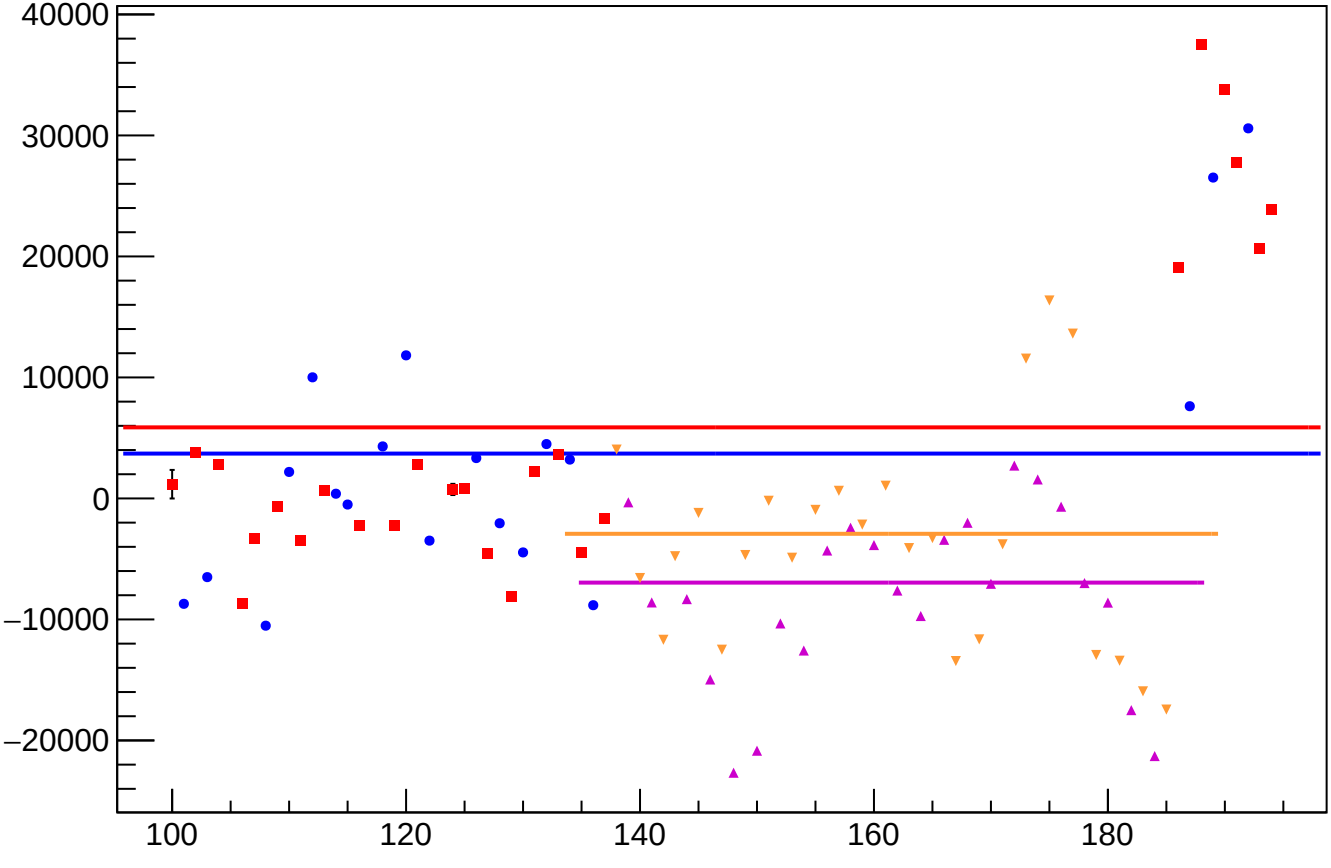
Right: 106.053+/-0.018 χ^2/NDF: 2717600.2/43

In: 115.197+/-0.016 χ^2/NDF:2896390.9/41

Out: 114.199+/-0.015 χ^2/NDF:3495552.2/49

All: 114.666+/-0.011 χ^2/NDF: 6393938.5/91

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 3706.738+/-49.552 χ^2/NDF: 54570.4/18

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: 5873.111+/-44.997 χ^2/NDF: 90417.0/24

Left In: -6956.884+/-40.245 χ^2/NDF:22339.0/22

Left: -4834.088+/-27.700 χ^2/NDF: 65678.3/47

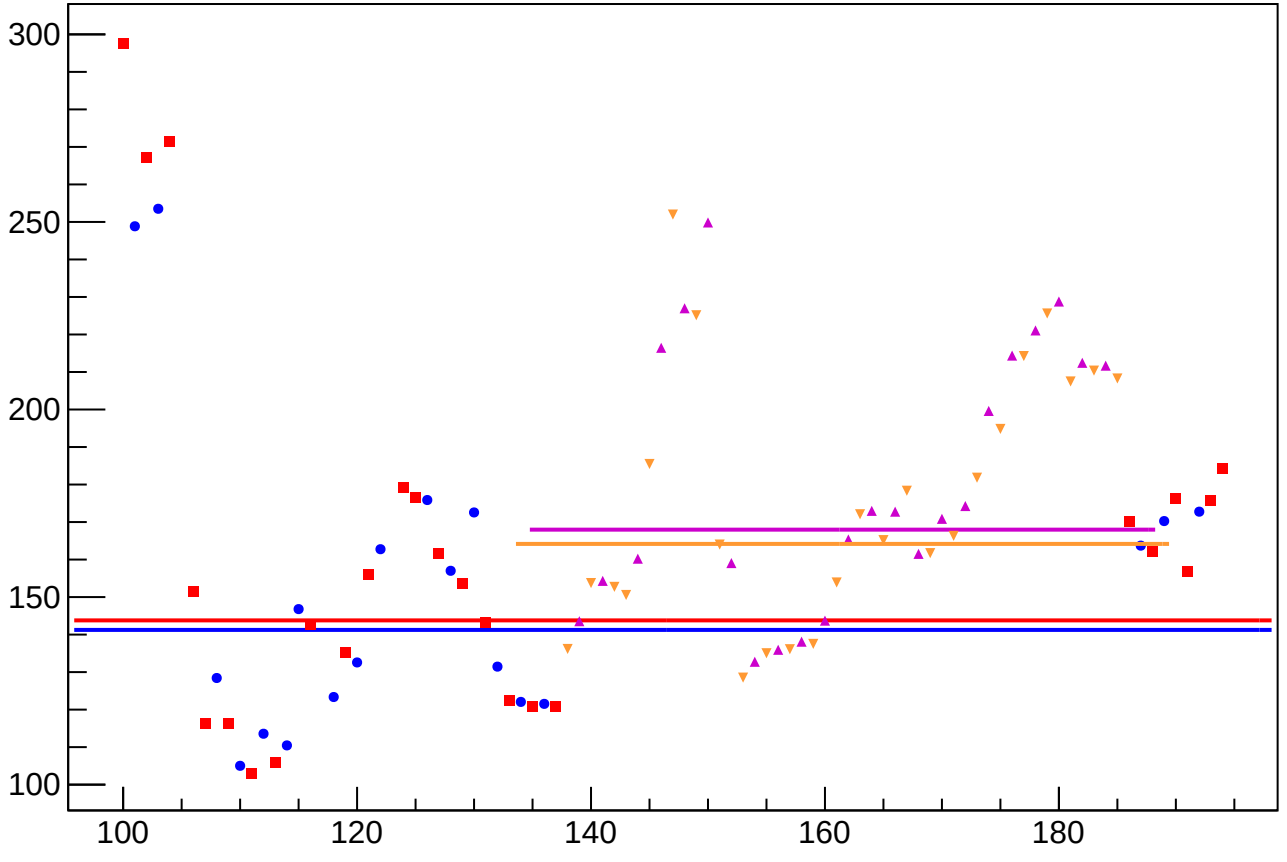
Right: 4894.059+/-33.312 χ^2/NDF: 146034.9/43

In: -2718.555+/-31.240 χ^2/NDF:104814.0/41

Out: 759.503+/-29.114 χ^2/NDF:150685.1/49

All: -857.207+/-21.299 χ^2/NDF: 262132.7/91

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 141.247+/-0.035 χ^2/NDF: 915182.6/18

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 143.787+/-0.032 χ^2/NDF: 1191613.5/24

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

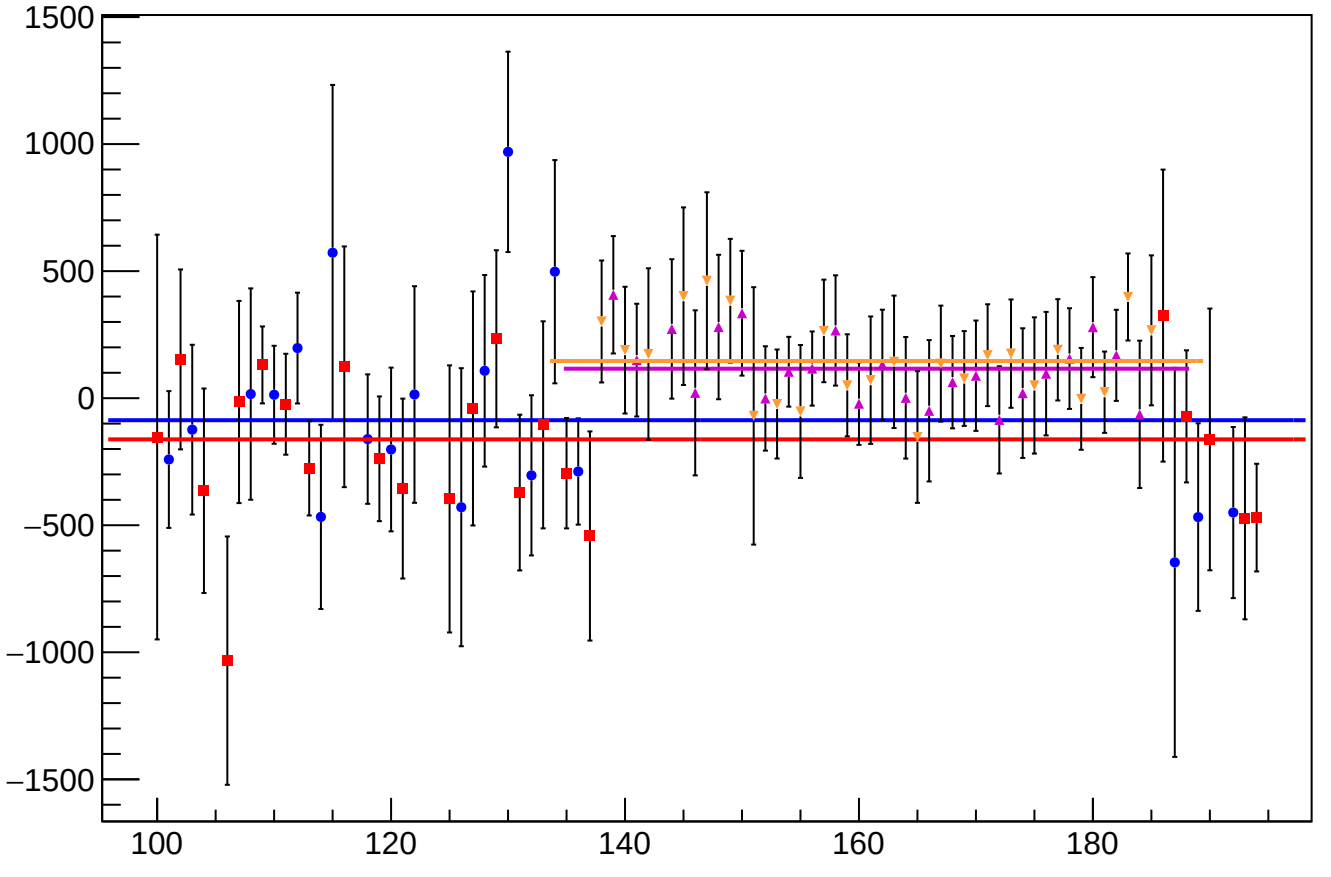
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 142.639+/-0.024 χ^2/NDF: 2109676.6/43

In: 157.352+/-0.022 χ^2/NDF:2488540.3/41

Out: 155.638+/-0.021 χ^2/NDF:2654649.2/49

All: 156.435+/-0.015 χ^2/NDF: 5146411.2/91



Right In: -86.686+/-72.602 χ^2/NDF: 18.5/18

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: -162.066+/-61.561 χ^2/NDF: 16.6/22

Left In: 115.974+/-43.605 χ^2/NDF:7.6/22

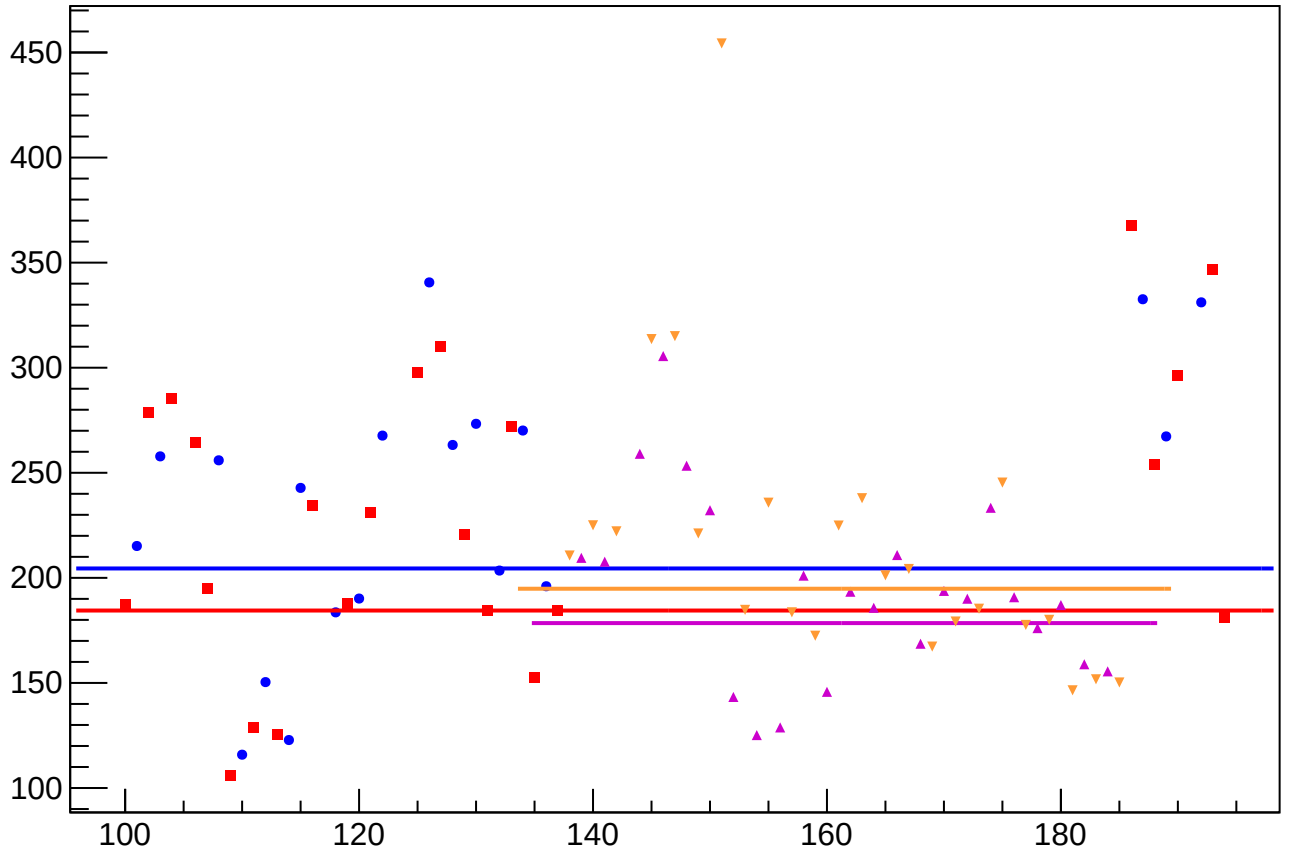
Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

Right: -130.538+/-46.954 χ^2/NDF: 35.7/41

In: 62.251+/-37.381 χ^2/NDF:31.9/41

Out: 32.996+/-37.321 χ^2/NDF:42.4/46

All: 47.600+/-26.411 χ^2/NDF: 74.6/88



Right In: 204.471+/-0.051 χ^2/NDF: 1477953.4/18

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 184.454+/-0.044 χ^2/NDF: 2449173.6/22

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

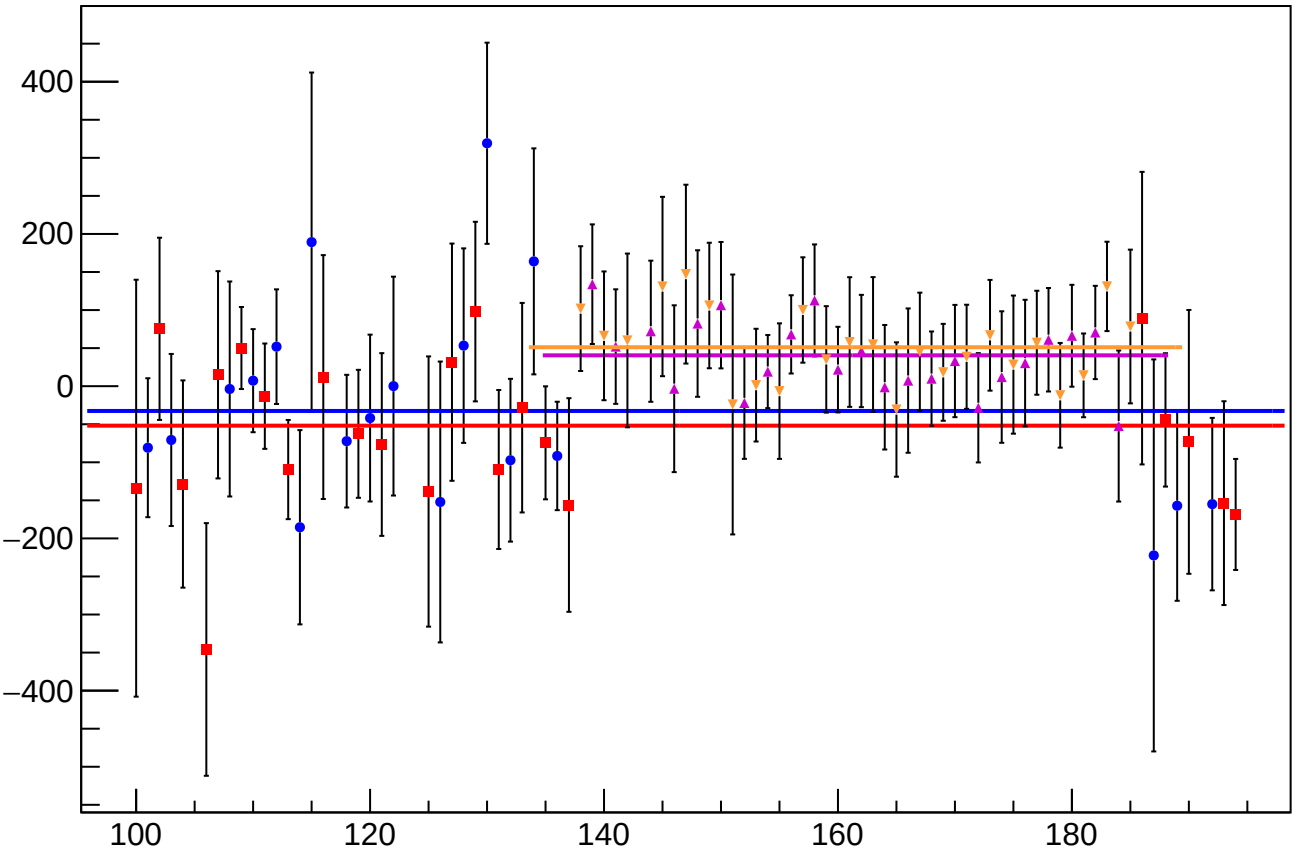
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 192.826+/-0.033 χ^2/NDF: 4015567.8/41

In: 185.367+/-0.026 χ^2/NDF:3342654.5/41

Out: 191.015+/-0.026 χ^2/NDF:4237571.5/46

All: 188.196+/-0.019 χ^2/NDF: 7603098.6/88



Right In: -32.555+/-24.825 χ^2/NDF: 18.2/18

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: -51.870+/-21.214 χ^2/NDF: 16.6/22

Left In: 40.540+/-14.978 χ^2/NDF:7.9/22

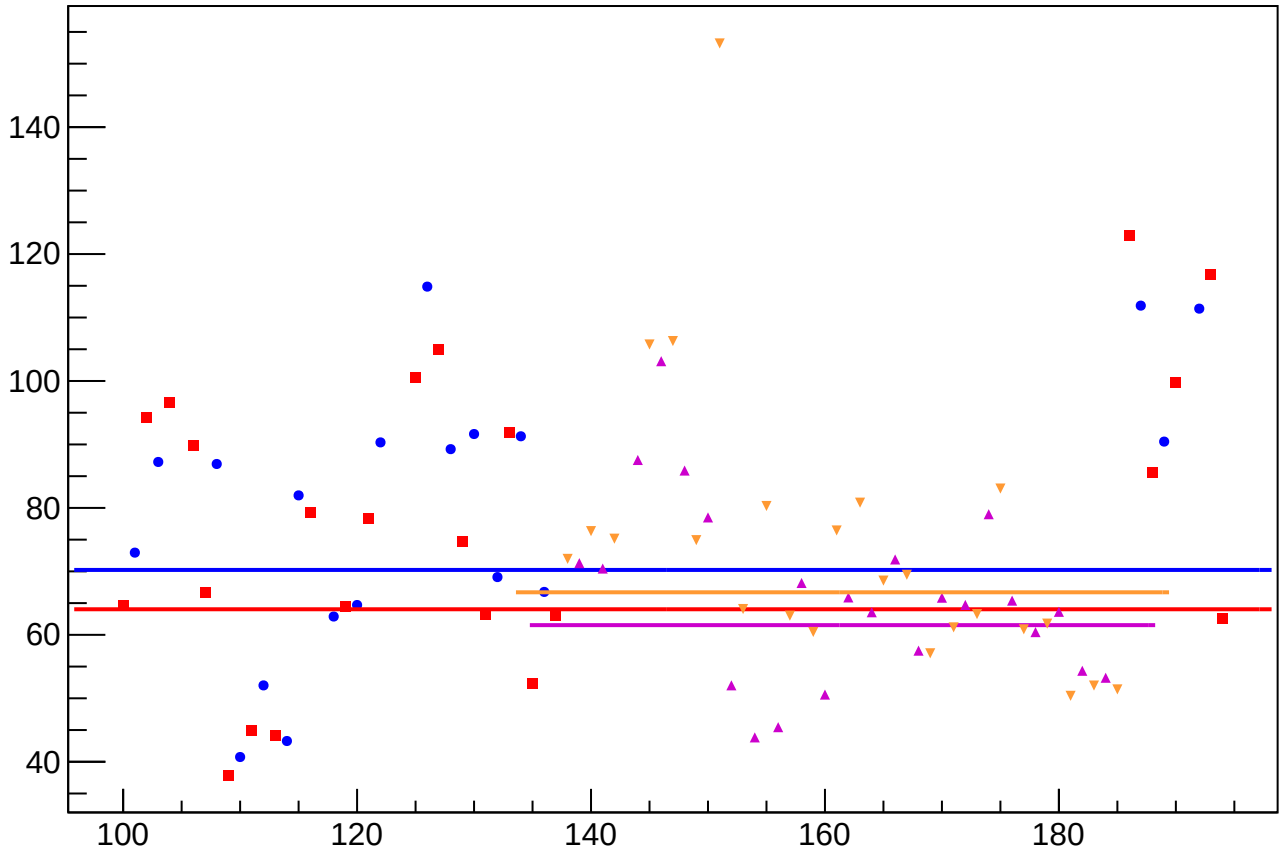
Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

Right: -43.718+/-16.128 χ^2/NDF: 35.2/41

In: 21.034+/-12.824 χ^2/NDF:32.4/41

Out: 13.693+/-12.793 χ^2/NDF:39.8/46

All: 17.354+/-9.057 χ^2/NDF: 72.3/88



Right In: 70.227+/-0.018 χ^2/NDF: 1351914.0/18

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 64.030+/-0.015 χ^2/NDF: 2226716.1/22

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

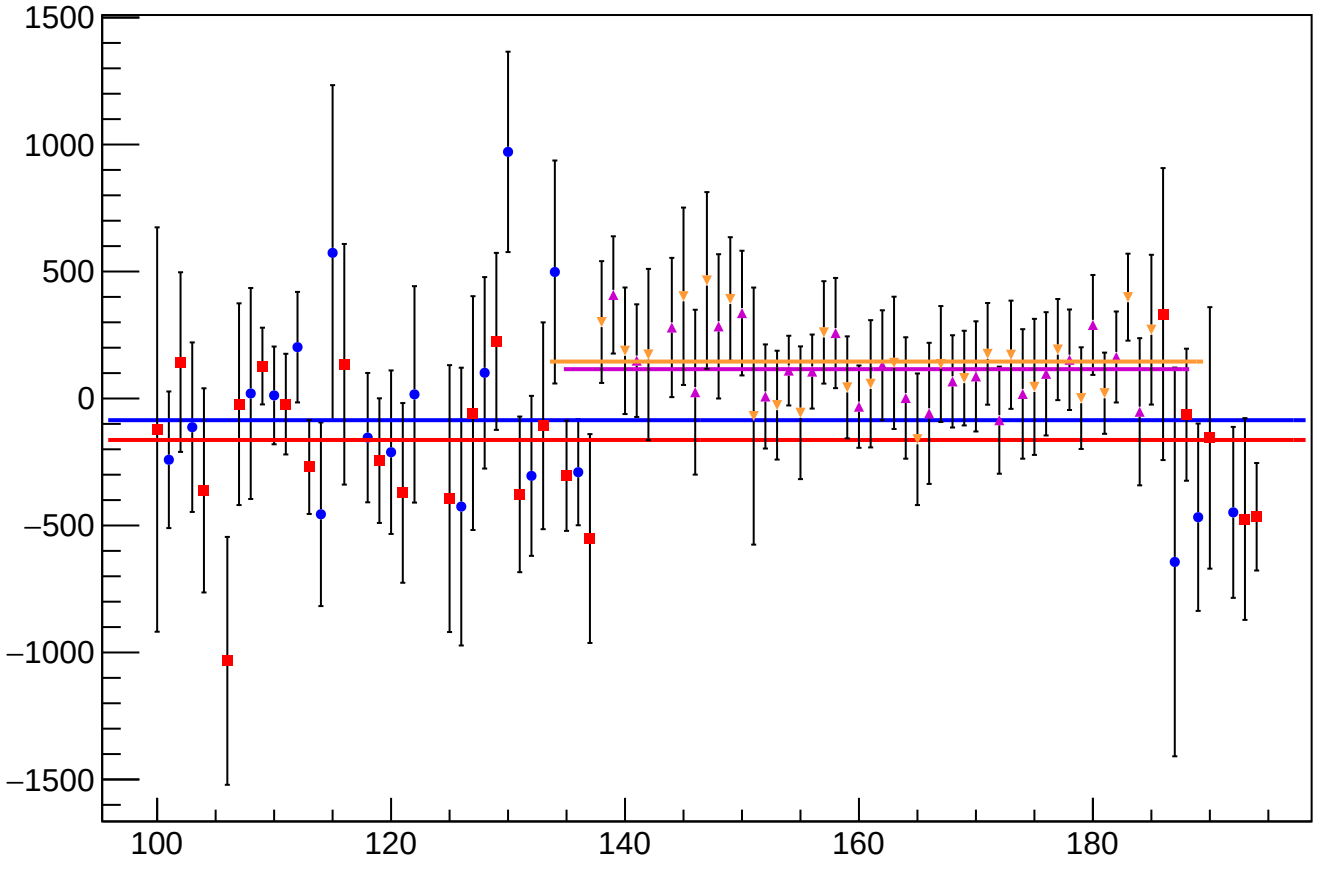
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 66.645+/-0.011 χ^2/NDF: 3650666.6/41

In: 63.850+/-0.009 χ^2/NDF:3021761.6/41

Out: 65.731+/-0.009 χ^2/NDF:3923258.6/46

All: 64.793+/-0.006 χ^2/NDF: 6966581.2/88



Right In: -85.360+/-72.525 χ^2/NDF: 18.5/18

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: -163.279+/-61.488 χ^2/NDF: 16.6/22

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

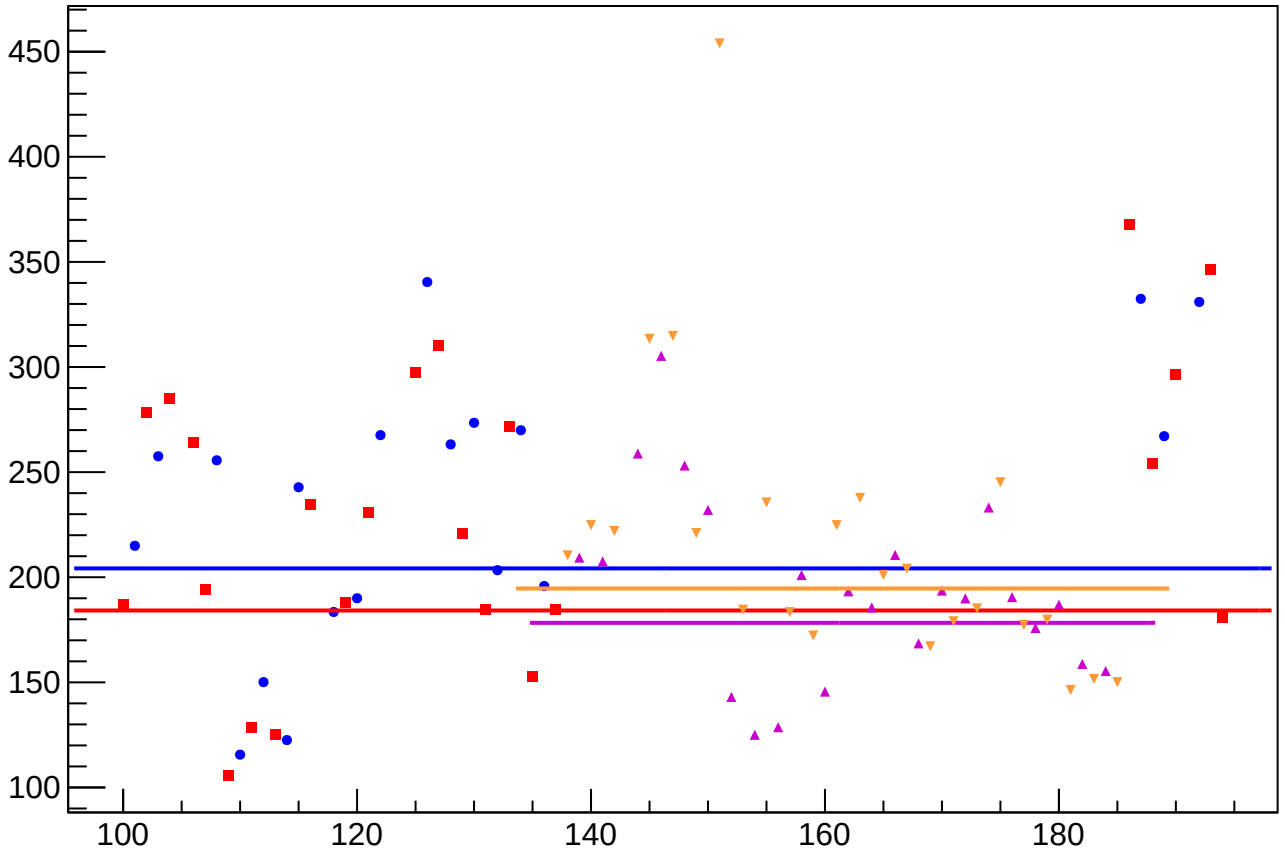
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

Right: -130.694+/-46.901 χ^2/NDF: 35.7/41

In: 62.227+/-37.347 χ^2/NDF:31.9/41

Out: 31.949+/-37.285 χ^2/NDF:42.7/46

All: 47.063+/-26.386 χ^2/NDF: 75.0/88



Right In: 204.218+/-0.051 χ^2/NDF: 1483543.4/18

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 184.193+/-0.043 χ^2/NDF: 2457479.7/22

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

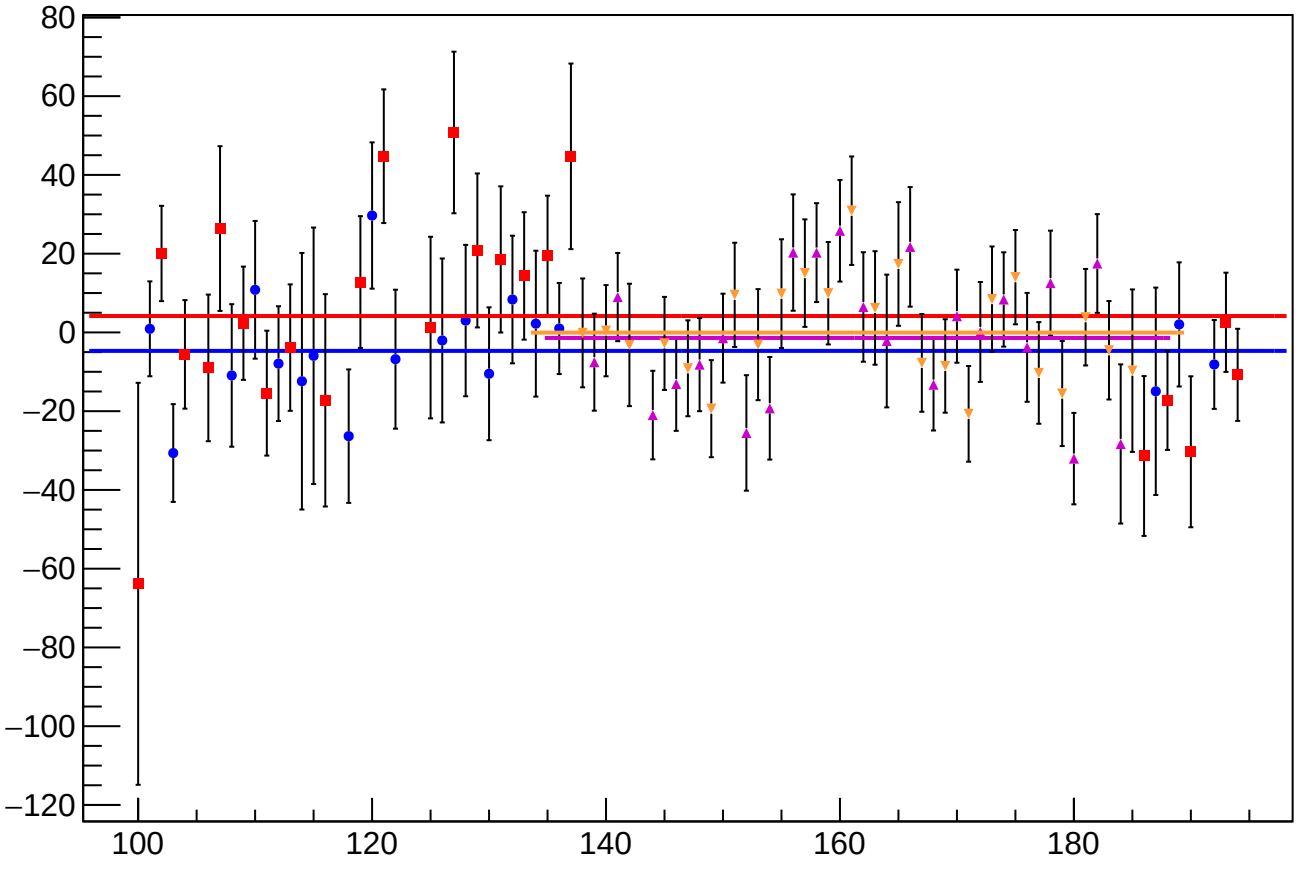
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 192.568+/-0.033 χ^2/NDF: 4029730.3/41

In: 185.186+/-0.026 χ^2/NDF:3349310.1/41

Out: 190.811+/-0.026 χ^2/NDF:4247236.2/46

All: 188.003+/-0.019 χ^2/NDF: 7619268.0/88



Right In: -4.692+/-3.729 χ^2/NDF: 12.4/18

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: 4.165+/-3.459 χ^2/NDF: 35.8/22

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

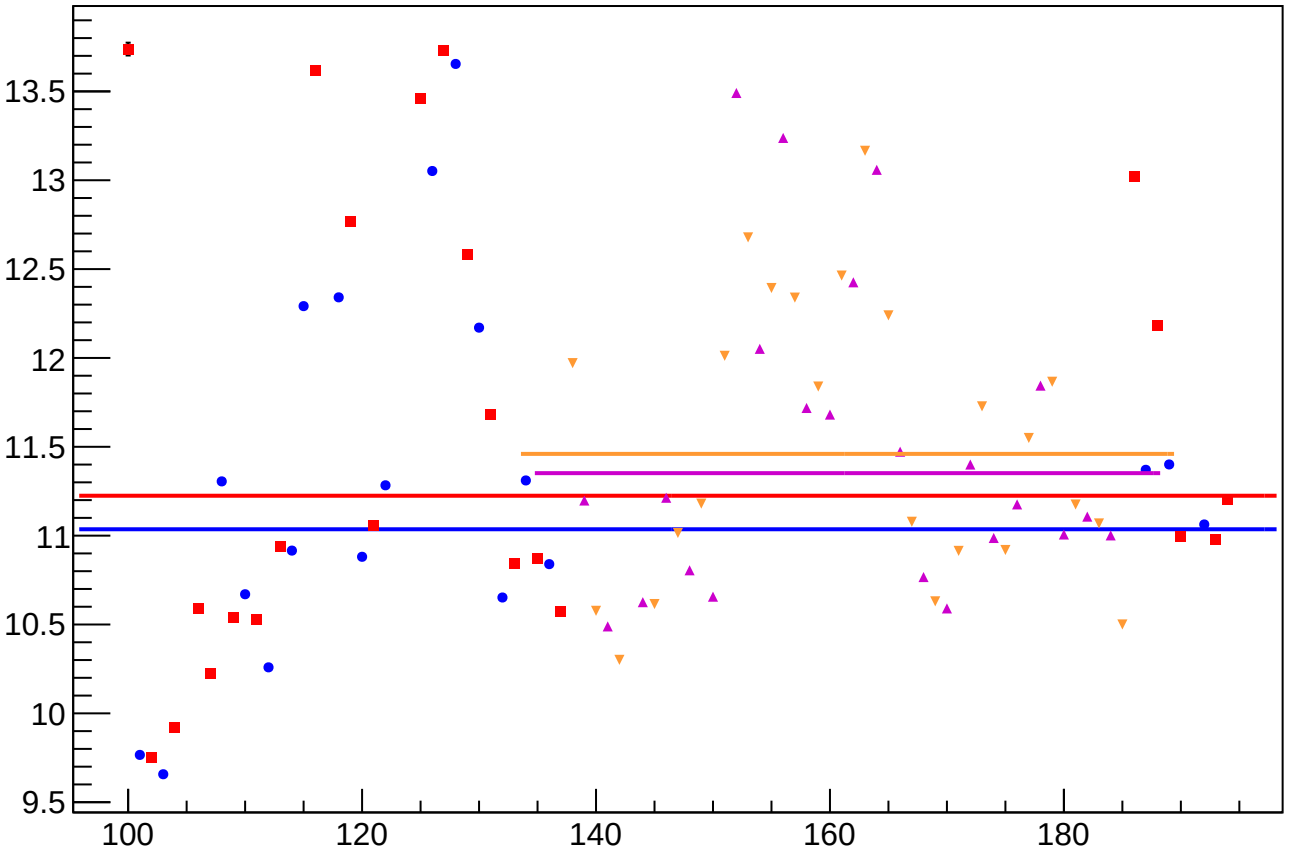
Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

Right: 0.068+/-2.536 χ^2/NDF: 51.2/41

In: -2.522+/-2.173 χ^2/NDF:49.2/41

Out: 1.537+/-2.121 χ^2/NDF:57.2/46

All: -0.444+/-1.518 χ^2/NDF: 108.2/88



Right In: 11.036+/-0.003 χ^2/NDF: 137723.7/18

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 11.225+/-0.002 χ^2/NDF: 192936.0/22

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

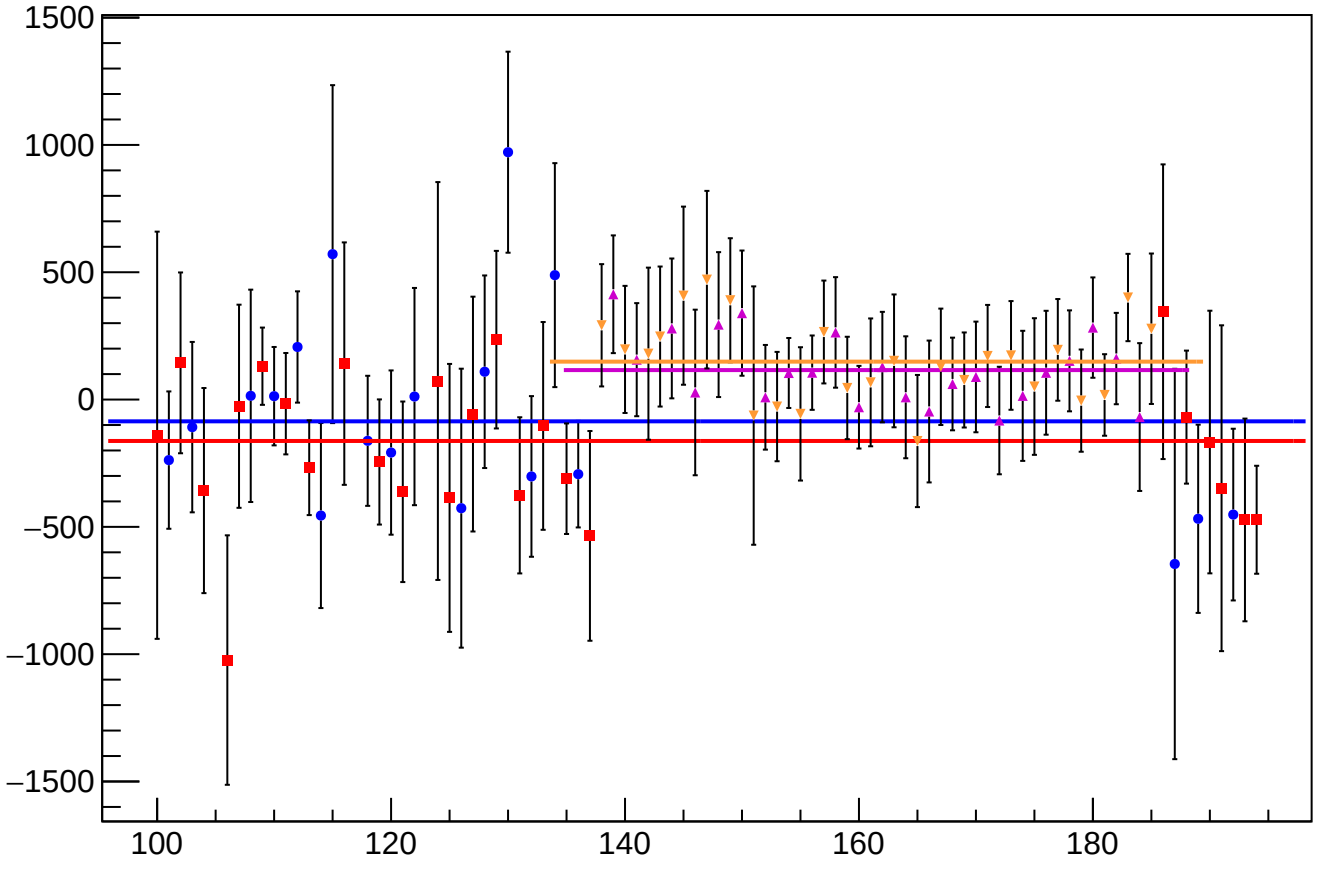
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 11.137+/-0.002 χ^2/NDF: 333412.6/41

In: 11.244+/-0.002 χ^2/NDF:317760.2/41

Out: 11.372+/-0.001 χ^2/NDF:349149.6/46

All: 11.310+/-0.001 χ^2/NDF: 670413.9/88



Right In: -85.538+/-72.733 χ^2/NDF: 18.5/18

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -162.655+/-61.204 χ^2/NDF: 16.8/24

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

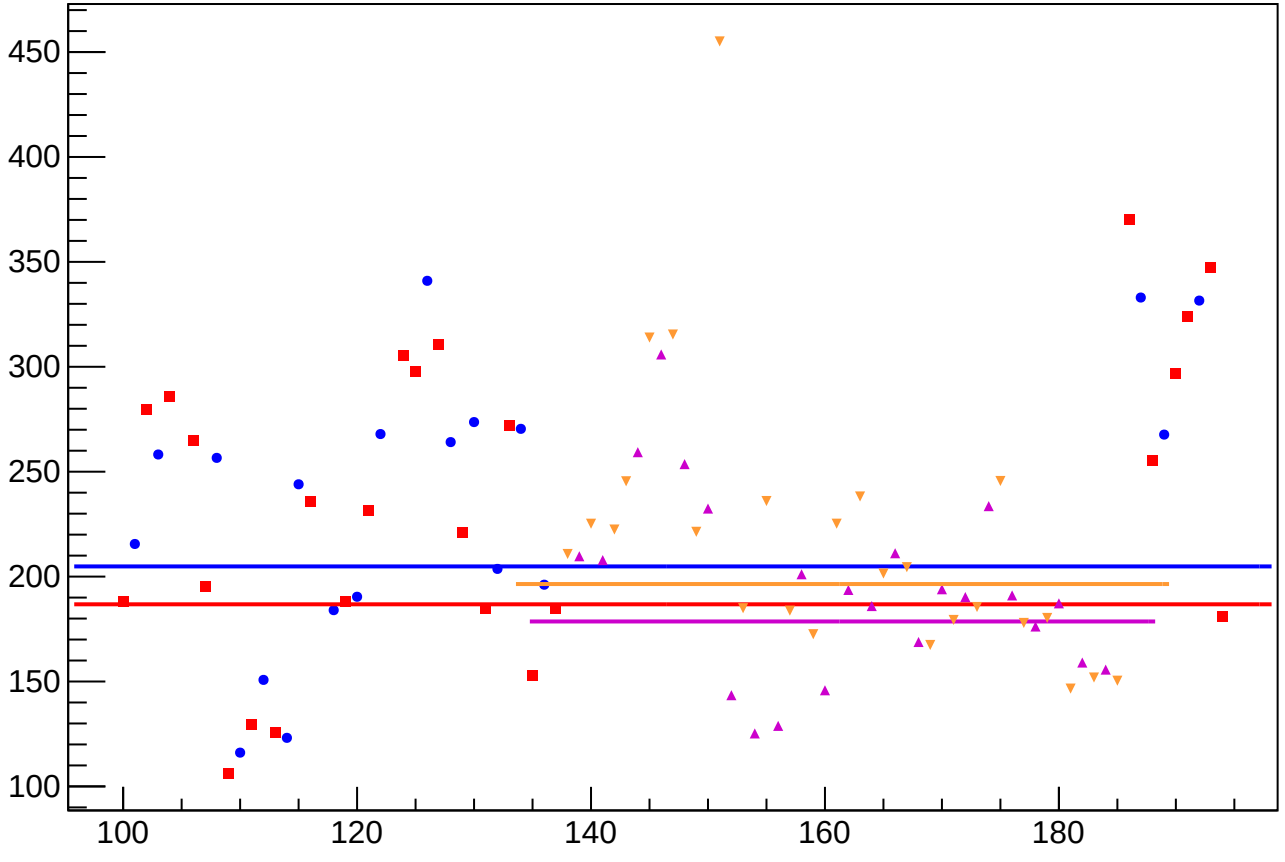
Right: -130.686+/-46.830 χ^2/NDF: 35.9/43

In: 62.436+/-37.421 χ^2/NDF:31.9/41

Out: 35.484+/-36.928 χ^2/NDF:43.7/49

All: 48.781+/-26.285 χ^2/NDF: 75.9/91

asym_bcm_an_us_an_ds3_avg_rms vs Slug, Sign Corrected



Right In: 204.853+/-0.051 χ^2/NDF: 1475586.4/18

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 186.796+/-0.043 χ^2/NDF: 2592538.5/24

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

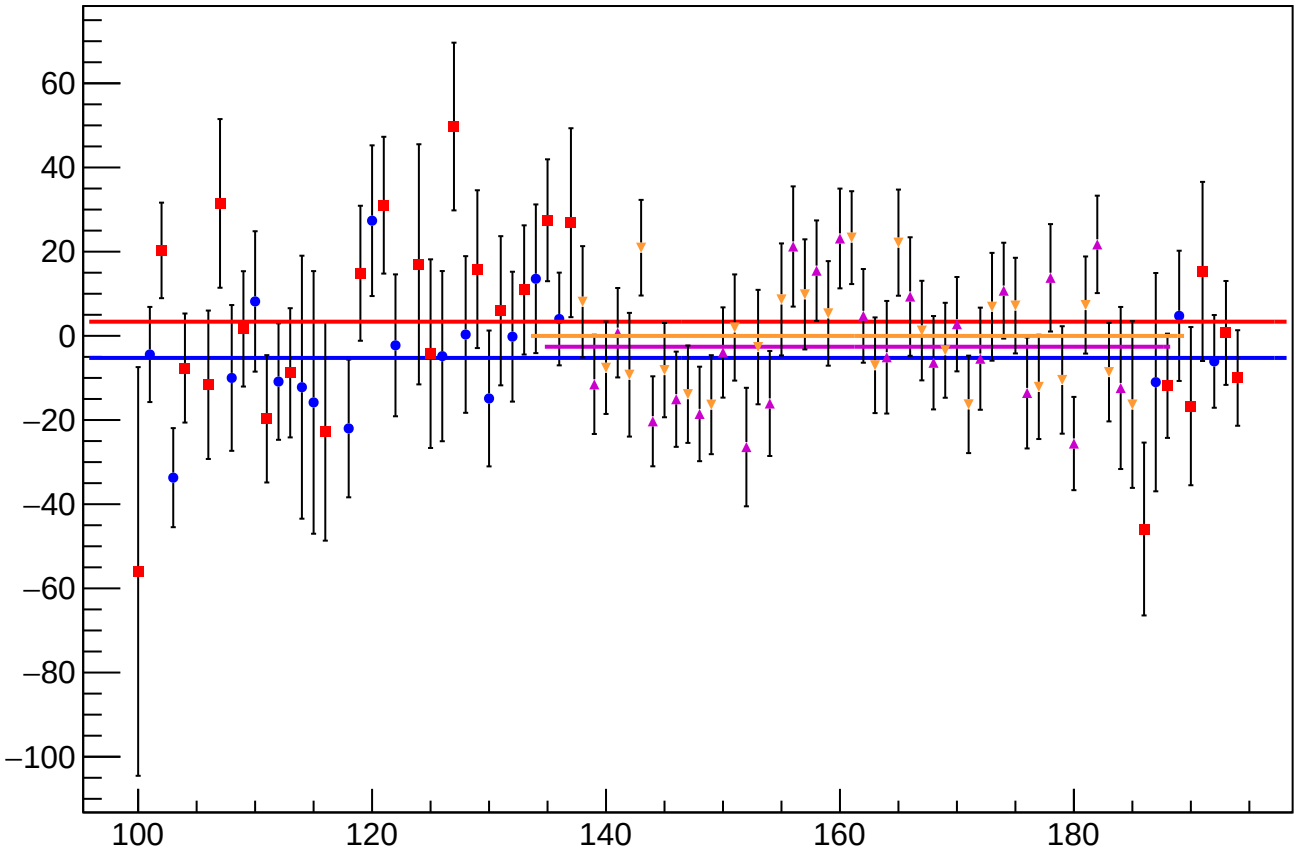
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 194.281+/-0.033 χ^2/NDF: 4140292.5/43

In: 185.560+/-0.026 χ^2/NDF:3345833.7/41

Out: 192.938+/-0.026 χ^2/NDF:4442959.6/49

All: 189.298+/-0.019 χ^2/NDF: 7828186.4/91



Right In: -5.247+/-3.572 χ^2/NDF: 14.2/18

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 3.362+/-3.262 χ^2/NDF: 35.0/24

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

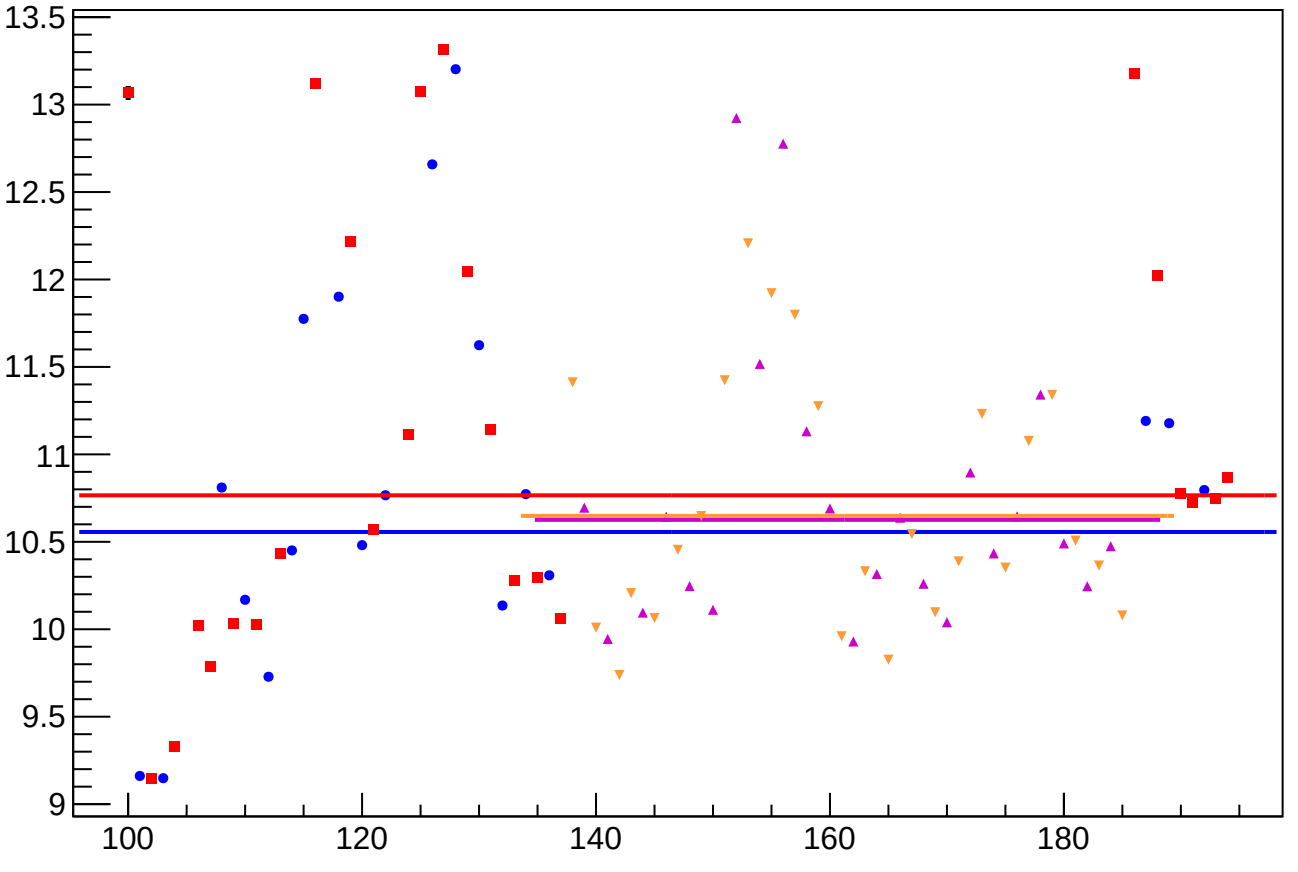
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: -0.553+/-2.409 χ^2/NDF: 52.3/43

In: -3.467+/-2.052 χ^2/NDF:49.3/41

Out: 1.198+/-1.956 χ^2/NDF:59.4/49

All: -1.024+/-1.416 χ^2/NDF: 111.5/91



Right In: 10.556+/-0.003 χ^2/NDF: 163691.3/18

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.766+/-0.002 χ^2/NDF: 241663.7/24

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

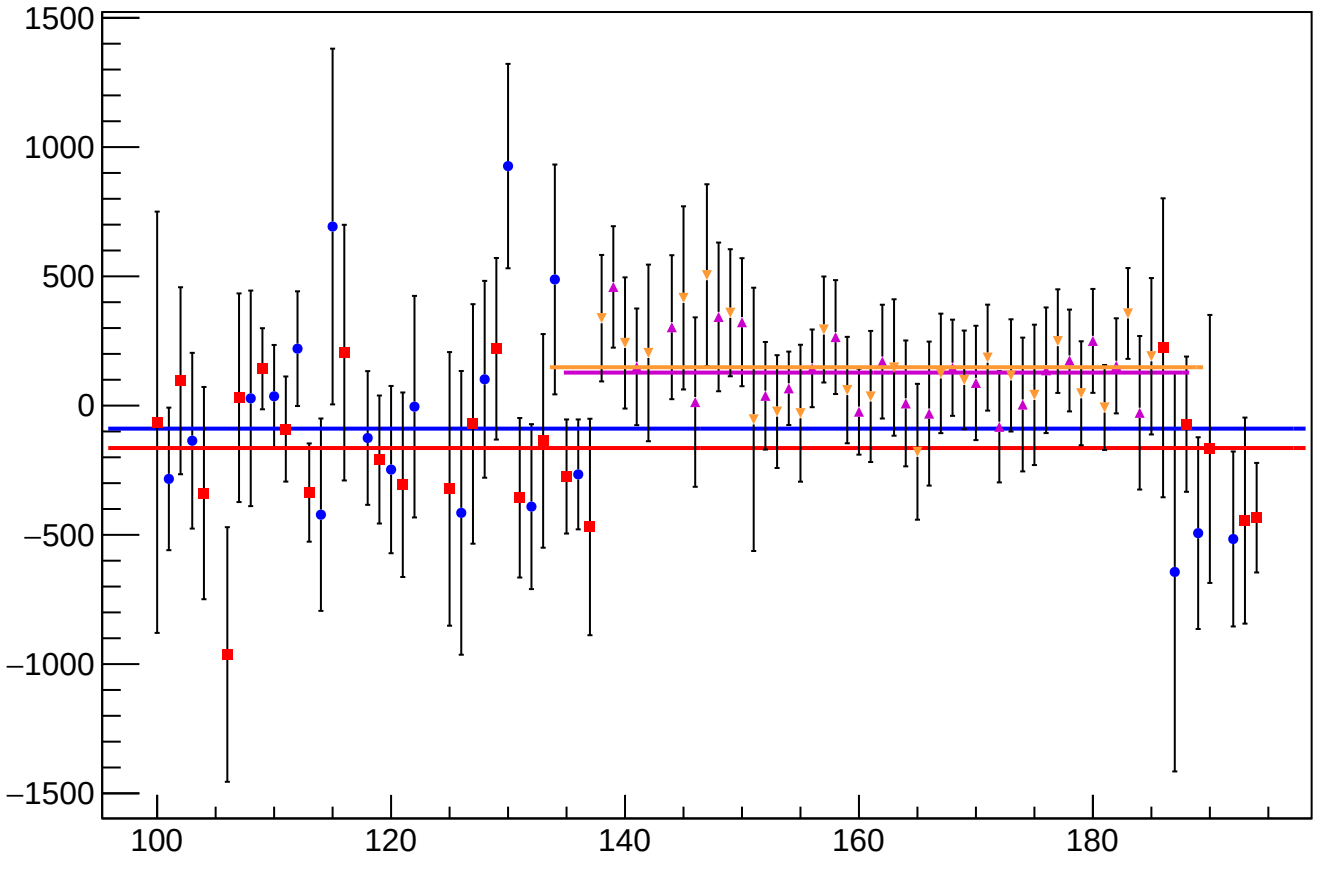
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.671+/-0.002 χ^2/NDF: 409111.3/43

In: 10.603+/-0.001 χ^2/NDF:323740.6/41

Out: 10.691+/-0.001 χ^2/NDF:386865.5/49

All: 10.649+/-0.001 χ^2/NDF: 712524.4/91



Right In: -89.107+/-73.759 χ^2/NDF: 19.1/18

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: -164.157+/-62.629 χ^2/NDF: 14.3/22

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

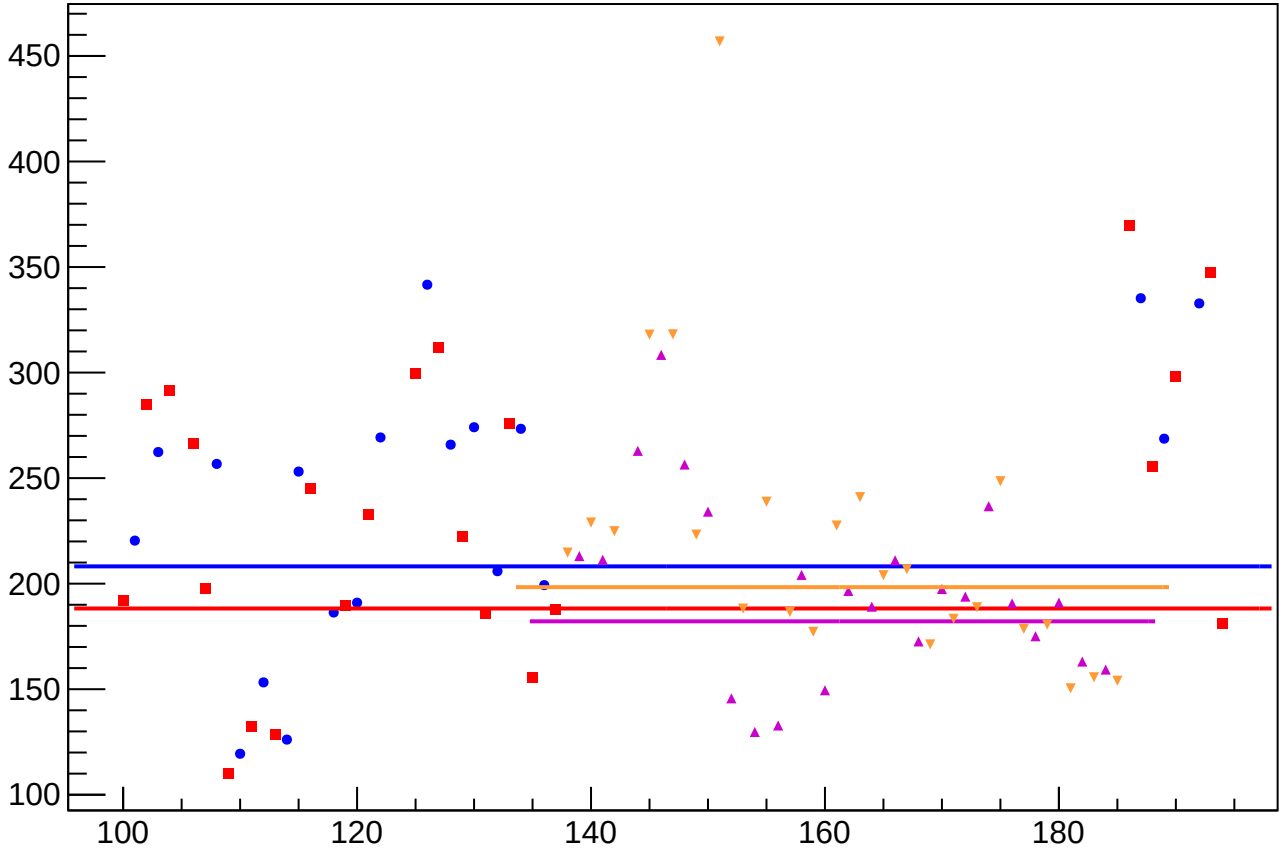
Right: -132.716+/-47.741 χ^2/NDF: 34.0/41

In: 69.991+/-38.056 χ^2/NDF:33.3/41

Out: 33.618+/-37.957 χ^2/NDF:39.9/46

All: 51.757+/-26.875 χ^2/NDF: 73.7/88

asym_bcm_dg_us_dg_ds_avg_rms vs Slug, Sign Corrected



Right In: 208.186+/-0.052 χ^2/NDF: 1415234.9/18

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 188.236+/-0.044 χ^2/NDF: 2352504.3/22

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

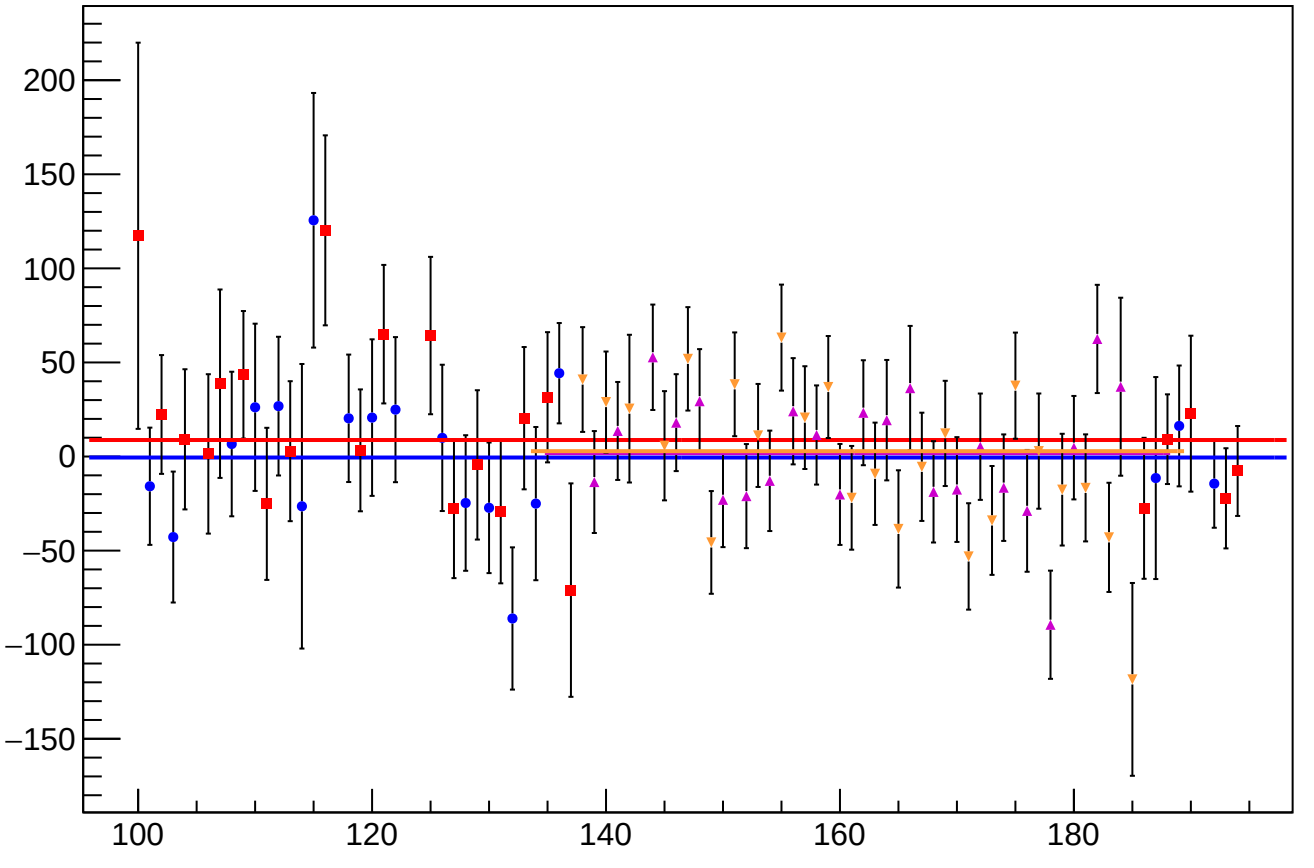
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 196.593+/-0.034 χ^2/NDF: 3852757.7/41

In: 189.081+/-0.027 χ^2/NDF:3182447.8/41

Out: 194.636+/-0.027 χ^2/NDF:4082573.6/46

All: 191.866+/-0.019 χ^2/NDF: 7286380.5/88



Right In: -0.522+/-8.332 χ^2/NDF: 17.4/18

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: 8.781+/-7.503 χ^2/NDF: 20.0/22

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

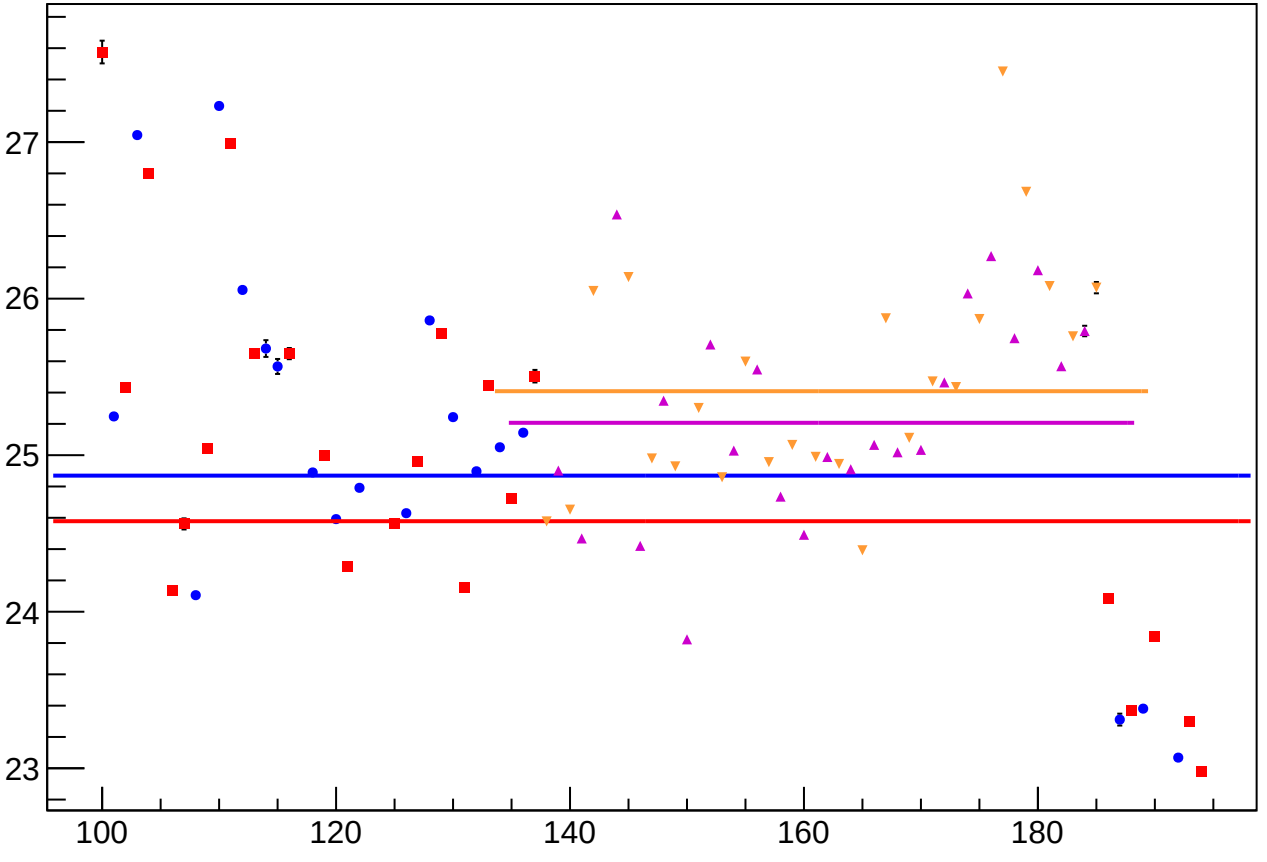
Right: 4.615+/-5.576 χ^2/NDF: 38.1/41

In: 1.059+/-4.811 χ^2/NDF:45.5/41

Out: 5.118+/-4.640 χ^2/NDF:57.2/46

All: 3.162+/-3.340 χ^2/NDF: 103.2/88

asym_bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 24.869+/-0.006 χ^2/NDF: 37055.3/18

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.578+/-0.005 χ^2/NDF: 44621.5/22

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

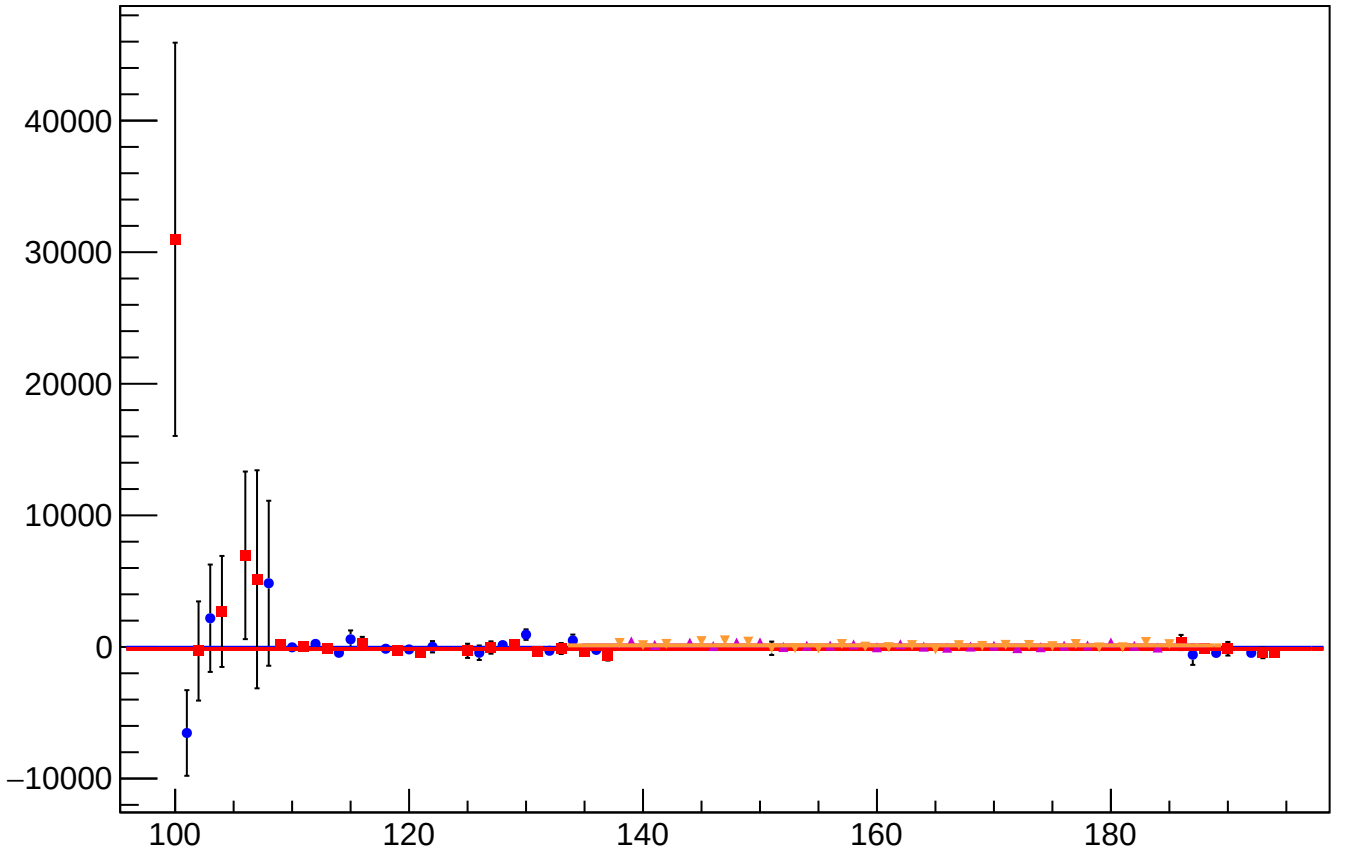
Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

Right: 24.709+/-0.004 χ^2/NDF: 83024.9/41

In: 25.094+/-0.003 χ^2/NDF:65069.5/41

Out: 25.091+/-0.003 χ^2/NDF:86615.3/46

All: 25.093+/-0.002 χ^2/NDF: 151685.2/88



Right In: -63.153+/-79.622 χ^2/NDF: 21.5/18

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: -152.609+/-68.715 χ^2/NDF: 17.7/22

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

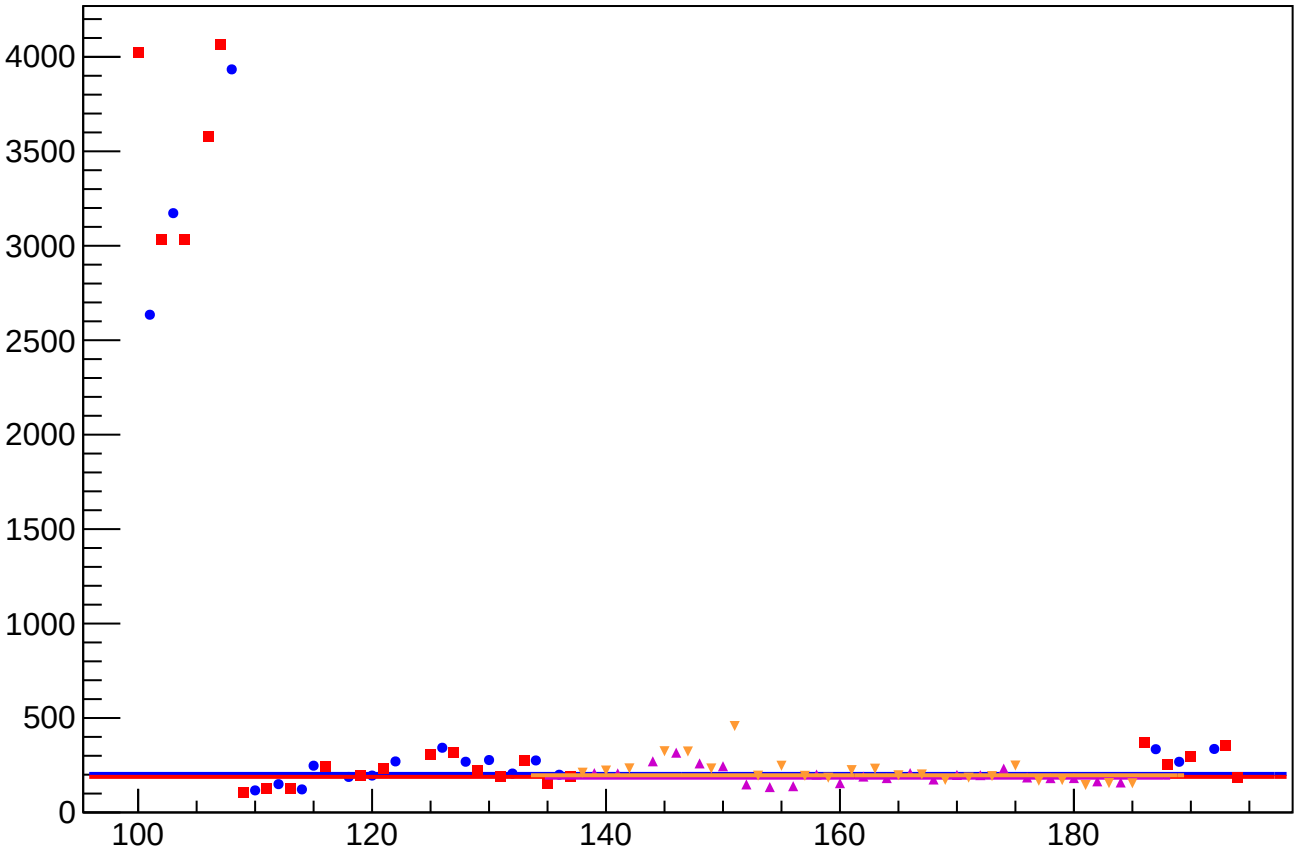
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -114.424+/-52.021 χ^2/NDF: 39.9/41

In: 73.127+/-39.035 χ^2/NDF:33.8/41

Out: 32.155+/-39.040 χ^2/NDF:40.3/46

All: 52.643+/-27.604 χ^2/NDF: 74.6/88



Right In: 204.042+/-0.056 χ^2/NDF: 4297622.2/18

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 188.370+/-0.049 χ^2/NDF: 5106032.1/22

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

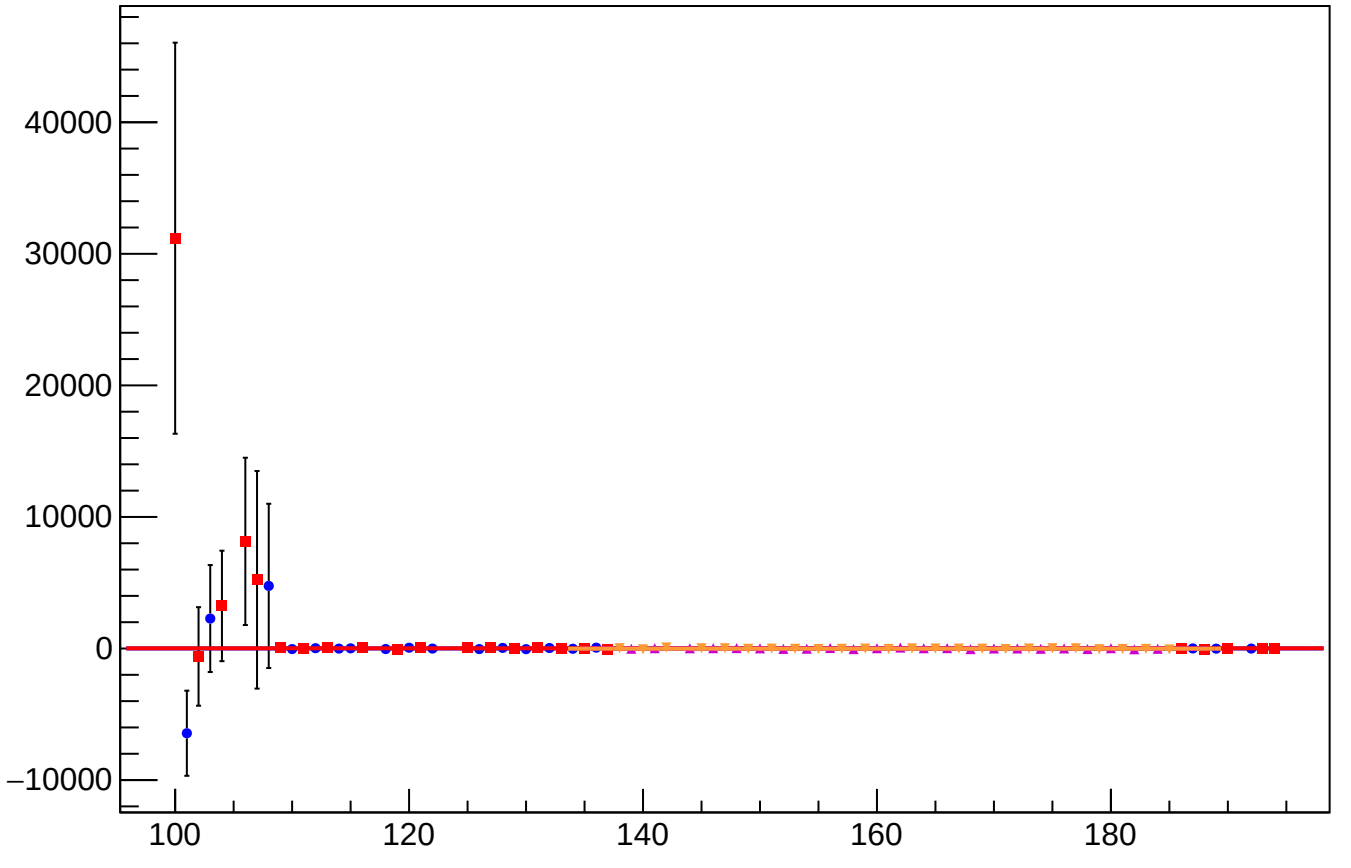
Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

Right: 195.060+/-0.037 χ^2/NDF: 9448062.7/41

In: 188.856+/-0.028 χ^2/NDF:5838820.9/41

Out: 194.170+/-0.028 χ^2/NDF:6936343.2/46

All: 191.513+/-0.020 χ^2/NDF: 12793700.0/88



Right In: 3.313+/-10.222 χ^2/NDF: 18.6/18

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: 16.689+/-9.419 χ^2/NDF: 25.7/22

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

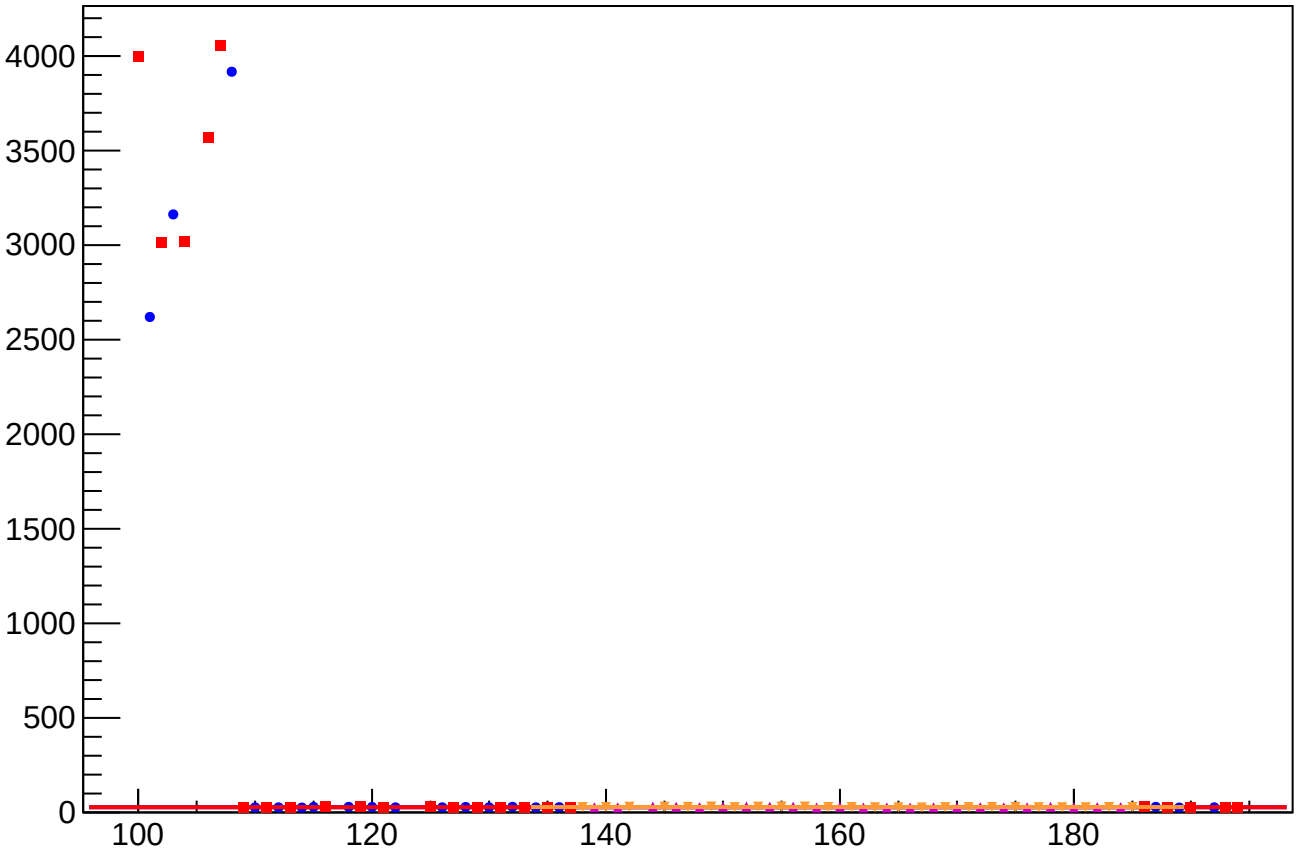
Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

Right: 10.547+/-6.927 χ^2/NDF: 45.3/41

In: 2.799+/-5.622 χ^2/NDF:40.8/41

Out: -1.858+/-5.434 χ^2/NDF:49.1/46

All: 0.391+/-3.907 χ^2/NDF: 90.2/88



Right In: 27.570+/-0.007 χ^2/NDF: 3274729.0/18

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.690+/-0.007 χ^2/NDF: 3575505.8/22

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

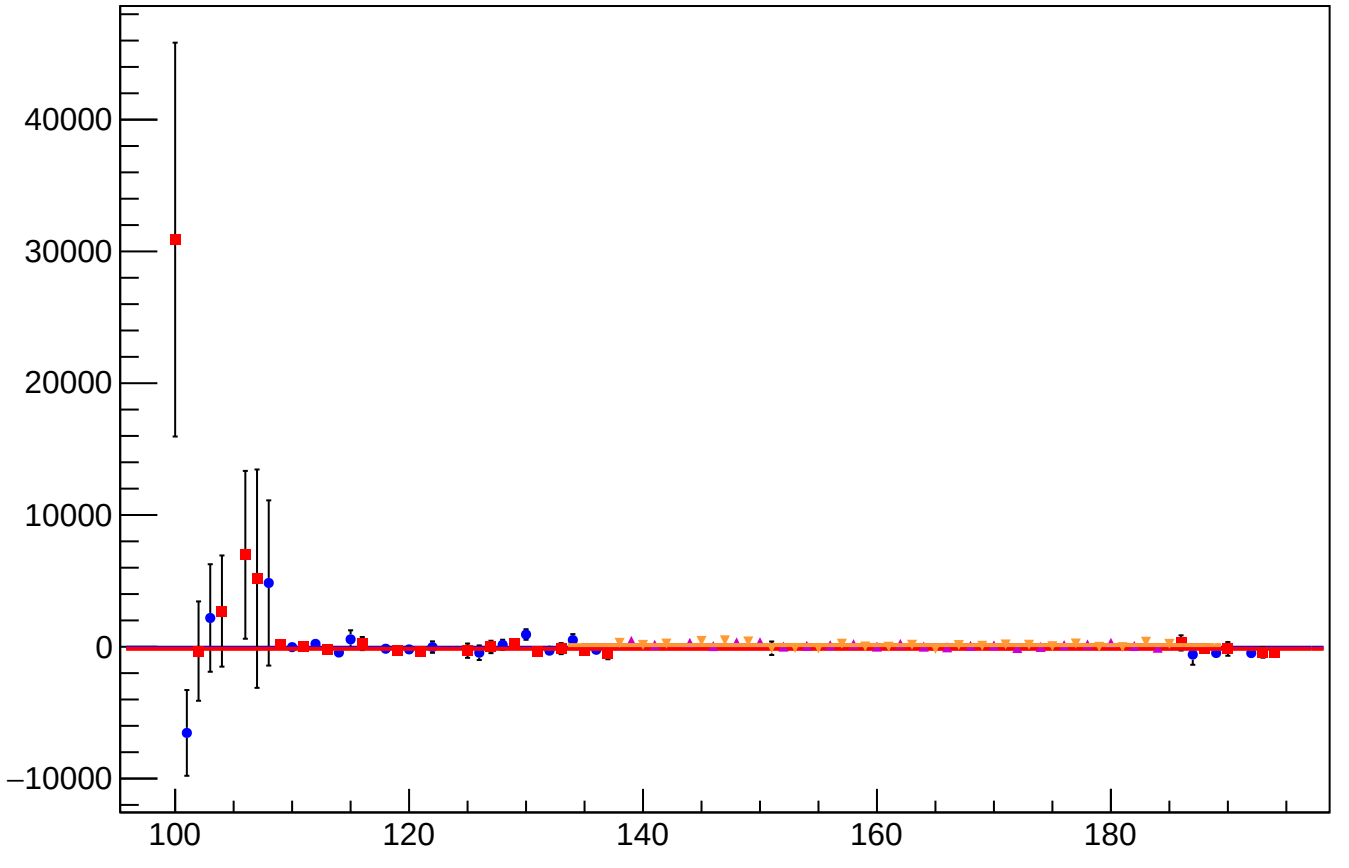
Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

Right: 27.635+/-0.005 χ^2/NDF: 6850382.4/41

In: 28.378+/-0.004 χ^2/NDF:3419989.2/41

Out: 28.292+/-0.004 χ^2/NDF:3668750.5/46

All: 28.333+/-0.003 χ^2/NDF: 7088979.7/88



Right In: -71.844+/-80.157 χ^2/NDF: 21.6/18

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: -155.131+/-69.132 χ^2/NDF: 16.2/22

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

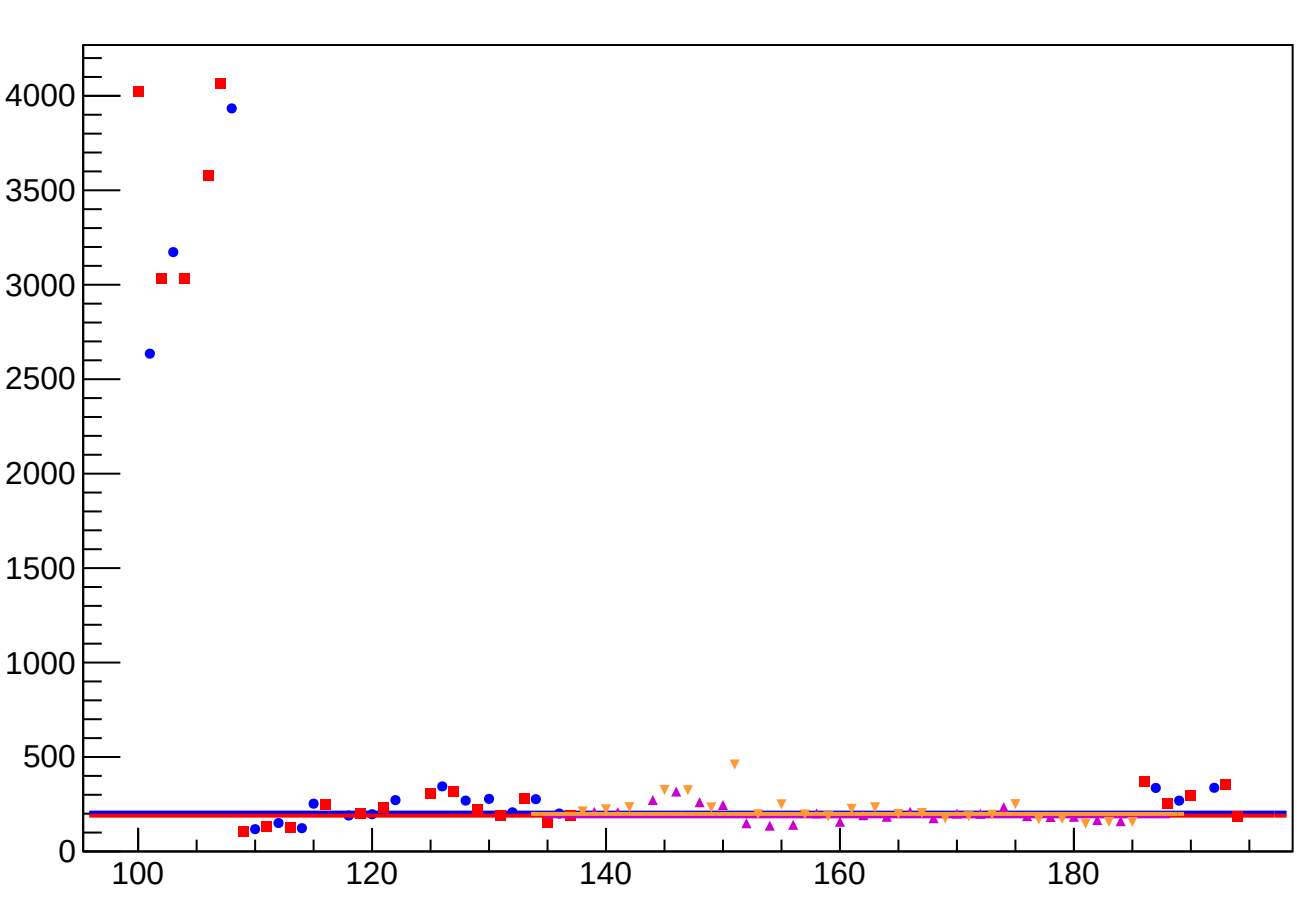
Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

Right: -119.605+/-52.351 χ^2/NDF: 38.4/41

In: 75.849+/-39.371 χ^2/NDF:34.0/41

Out: 35.188+/-39.346 χ^2/NDF:39.0/46

All: 55.505+/-27.831 χ^2/NDF: 73.6/88



Right In: 205.564+/-0.057 χ^2/NDF: 4279141.3/18

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 189.663+/-0.049 χ^2/NDF: 5084897.5/22

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

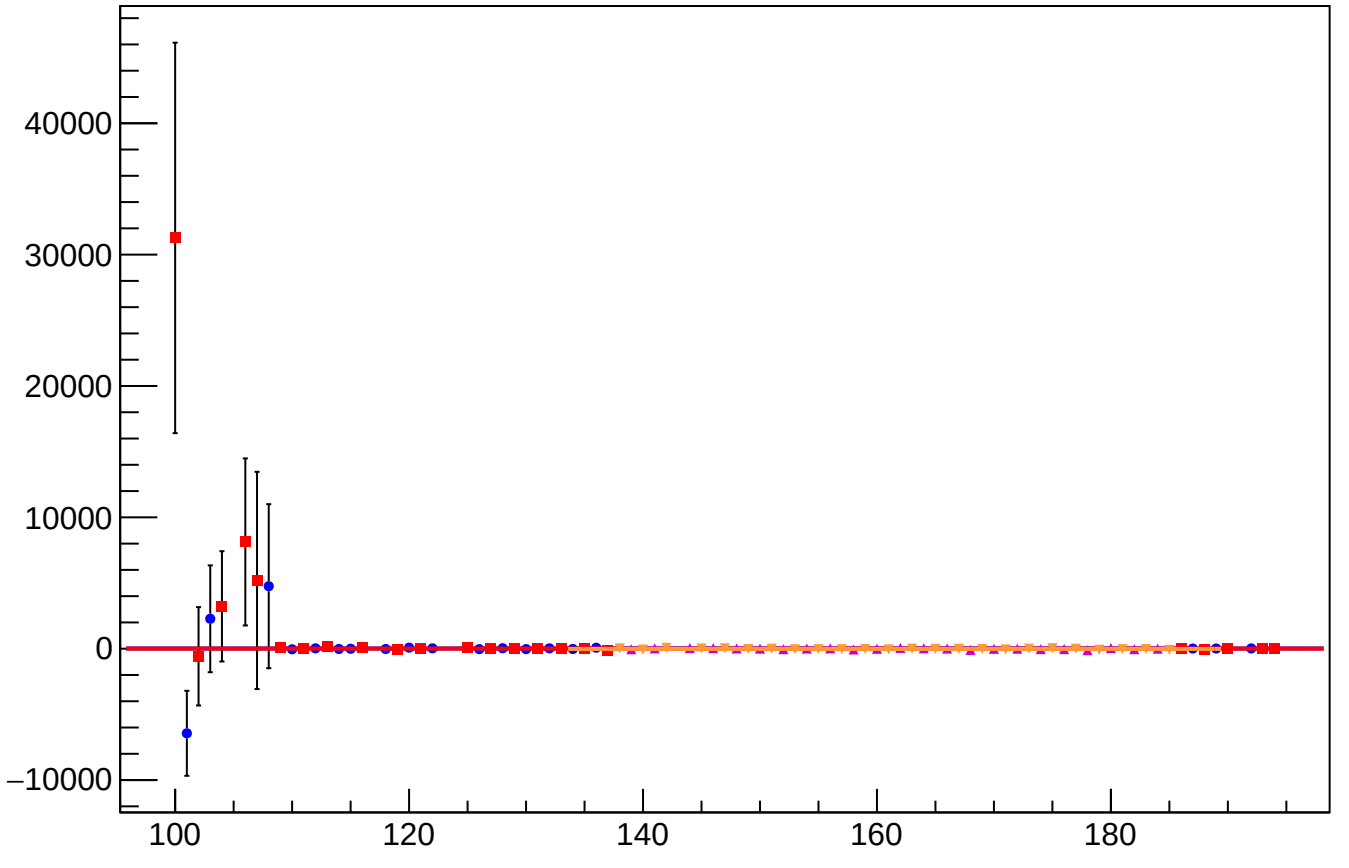
Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

Right: 196.446+/-0.037 χ^2/NDF: 9409169.3/41

In: 190.622+/-0.028 χ^2/NDF:5776255.4/41

Out: 195.797+/-0.028 χ^2/NDF:6894593.7/46

All: 193.211+/-0.020 χ^2/NDF: 12688137.0/88



Right In: 14.982+/-11.328 χ^2/NDF: 15.5/18

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: 11.635+/-10.406 χ^2/NDF: 31.3/22

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

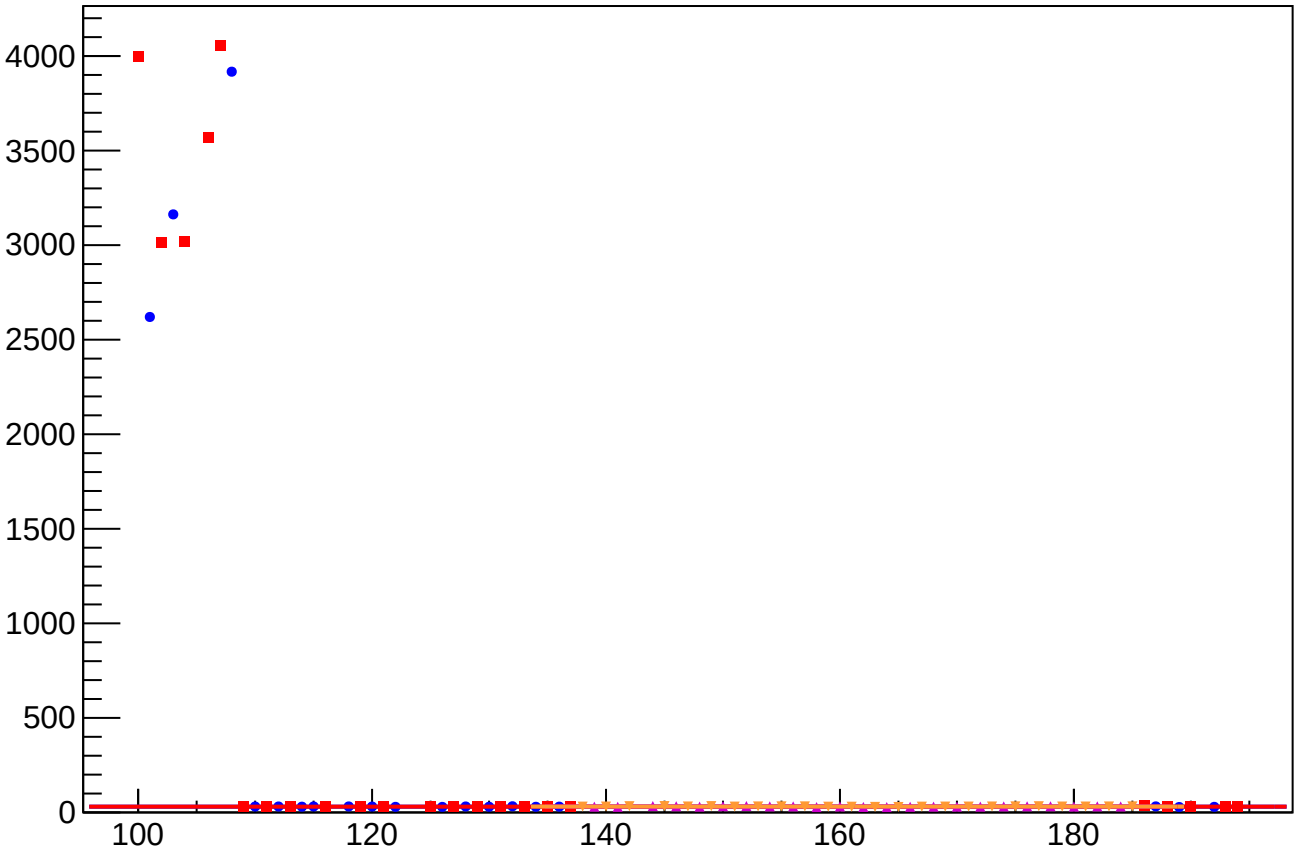
Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

Right: 13.167+/-7.663 χ^2/NDF: 46.9/41

In: 2.530+/-6.165 χ^2/NDF:52.8/41

Out: -8.424+/-5.954 χ^2/NDF:57.1/46

All: -3.137+/-4.283 χ^2/NDF: 111.5/88



Right In: 30.580+/-0.008 χ^2/NDF: 3261564.6/18

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.621+/-0.007 χ^2/NDF: 3551995.9/22

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

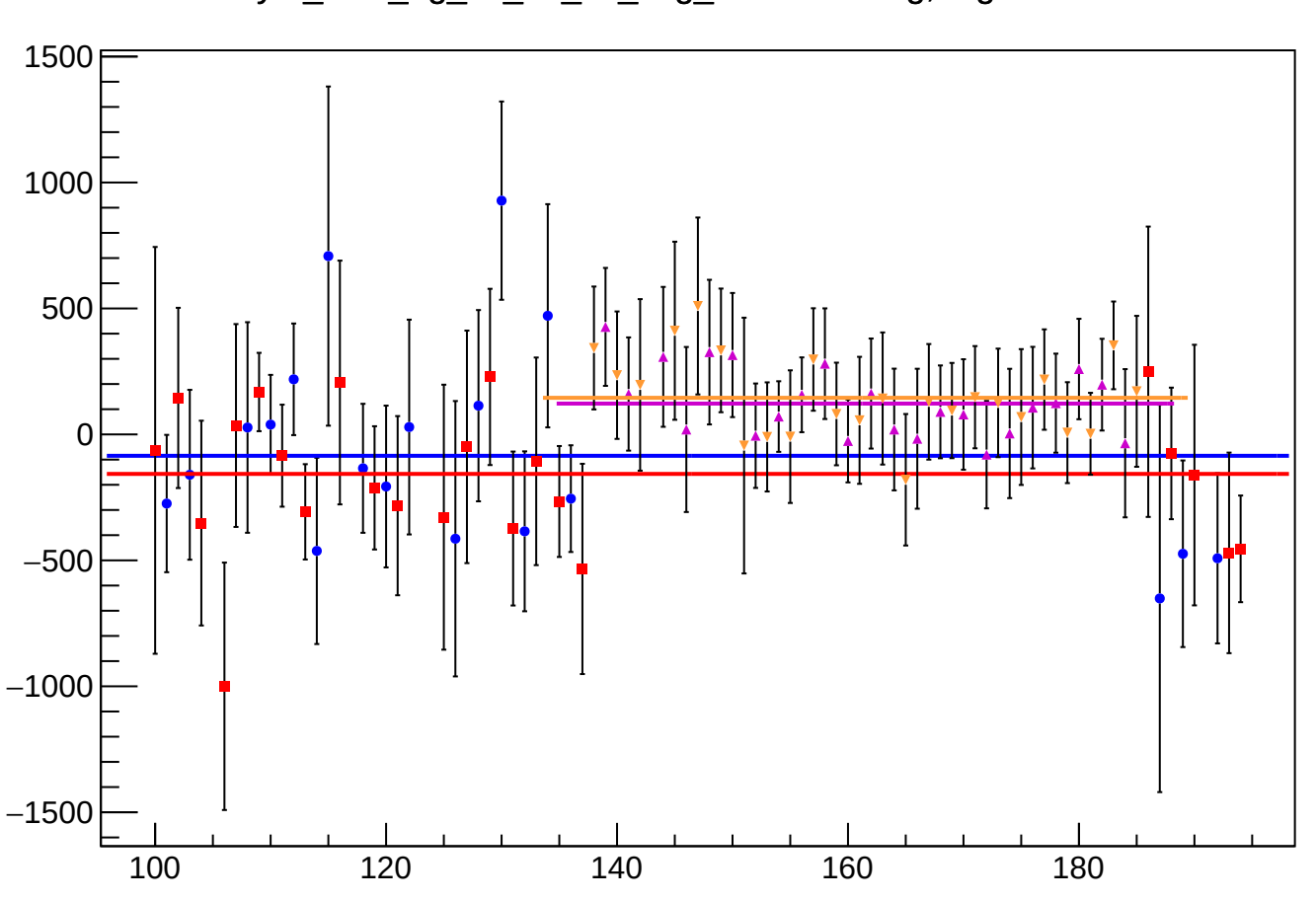
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.602+/-0.005 χ^2/NDF: 6813575.2/41

In: 31.143+/-0.004 χ^2/NDF:3353808.8/41

Out: 31.025+/-0.004 χ^2/NDF:3603891.7/46

All: 31.082+/-0.003 χ^2/NDF: 6958076.8/88



Right In: -84.894+/-73.364 χ^2/NDF: 19.0/18

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: -156.832+/-62.286 χ^2/NDF: 16.1/22

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

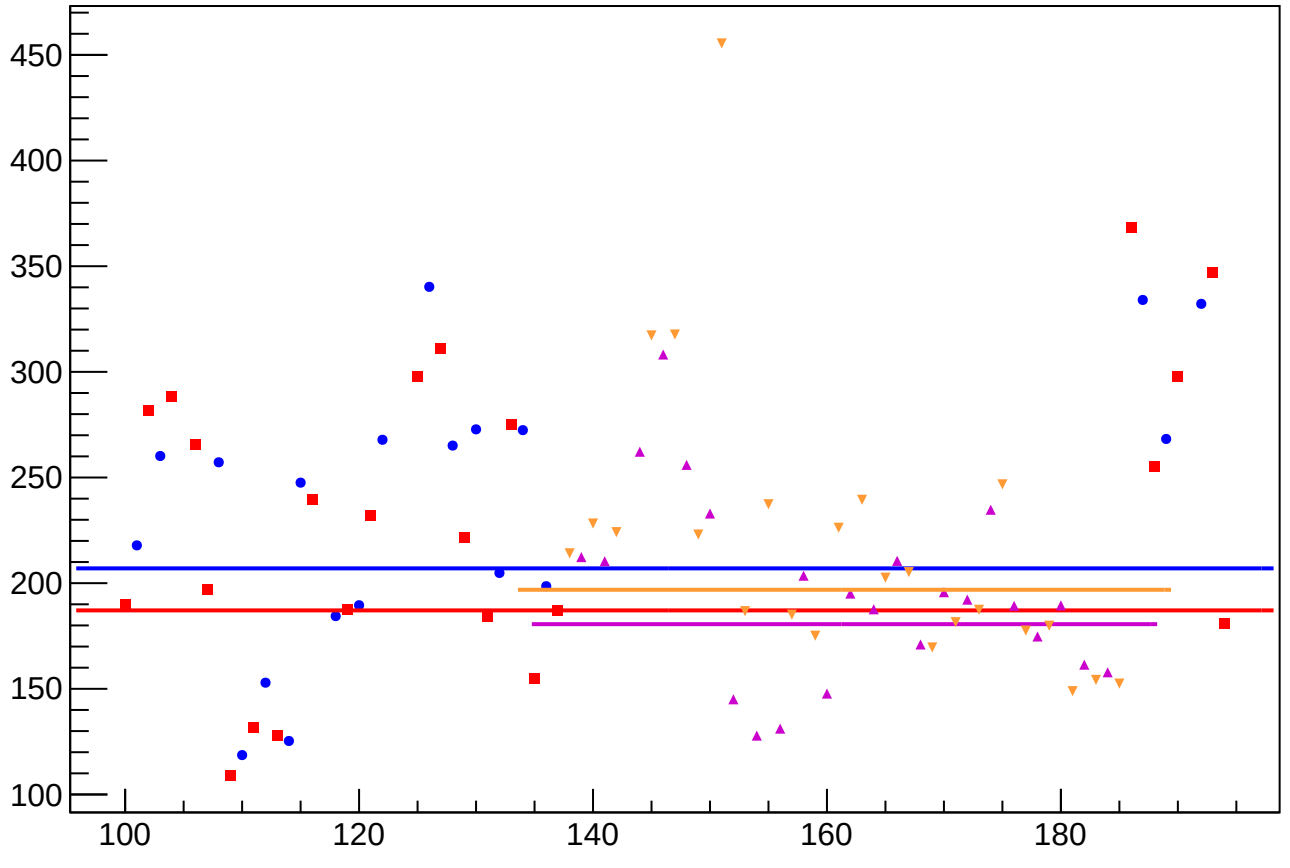
Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

Right: -126.699+/-47.481 χ^2/NDF: 35.7/41

In: 67.395+/-37.785 χ^2/NDF:32.8/41

Out: 34.533+/-37.715 χ^2/NDF:40.4/46

All: 50.934+/-26.693 χ^2/NDF: 73.6/88



Right In: 207.004+/-0.052 χ^2/NDF: 1421493.5/18

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 187.115+/-0.044 χ^2/NDF: 2360253.8/22

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

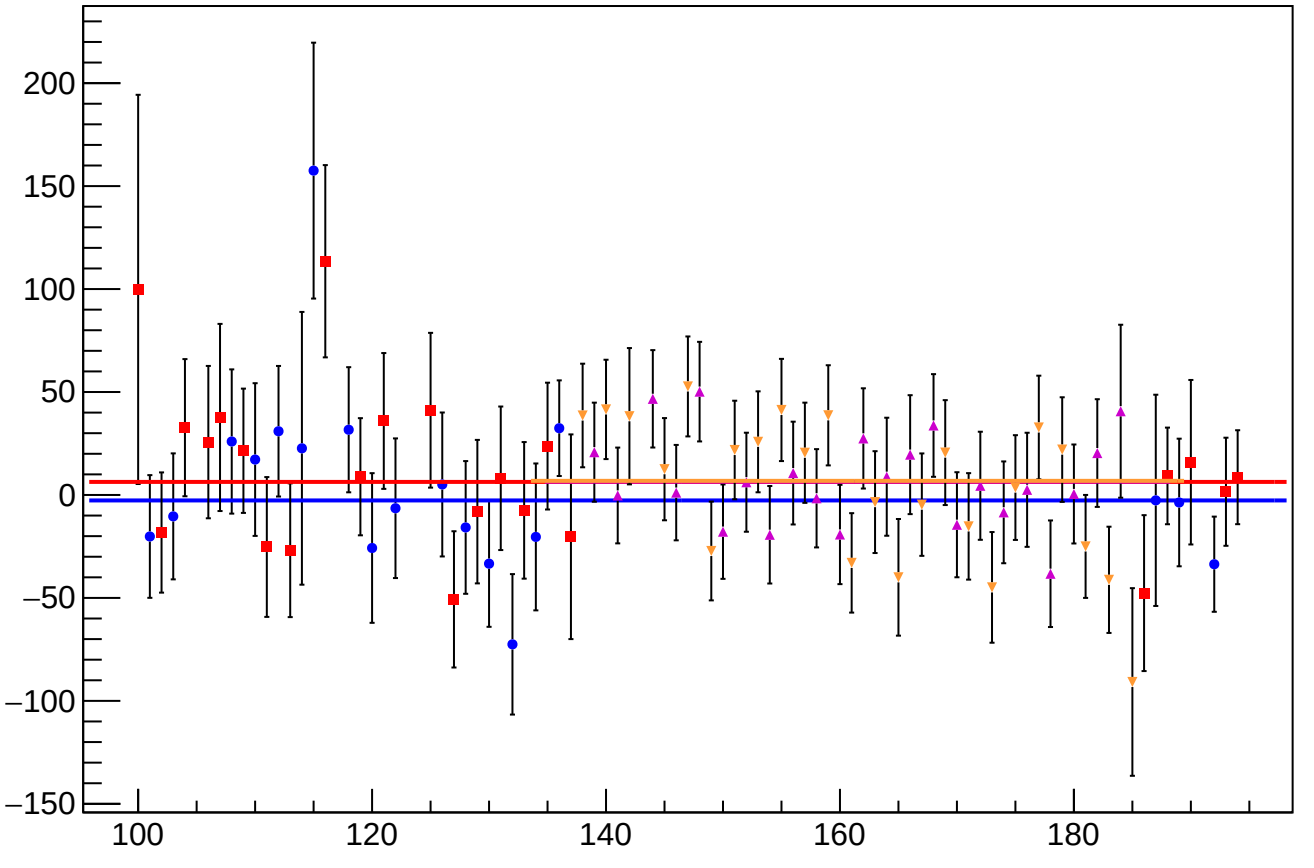
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 195.446+/-0.034 χ^2/NDF: 3867166.3/41

In: 187.605+/-0.027 χ^2/NDF:3239894.5/41

Out: 193.295+/-0.027 χ^2/NDF:4116447.5/46

All: 190.456+/-0.019 χ^2/NDF: 7379063.9/88



Right In: -2.658+/-7.545 χ^2/NDF: 20.7/18

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: 6.340+/-6.888 χ^2/NDF: 18.2/22

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

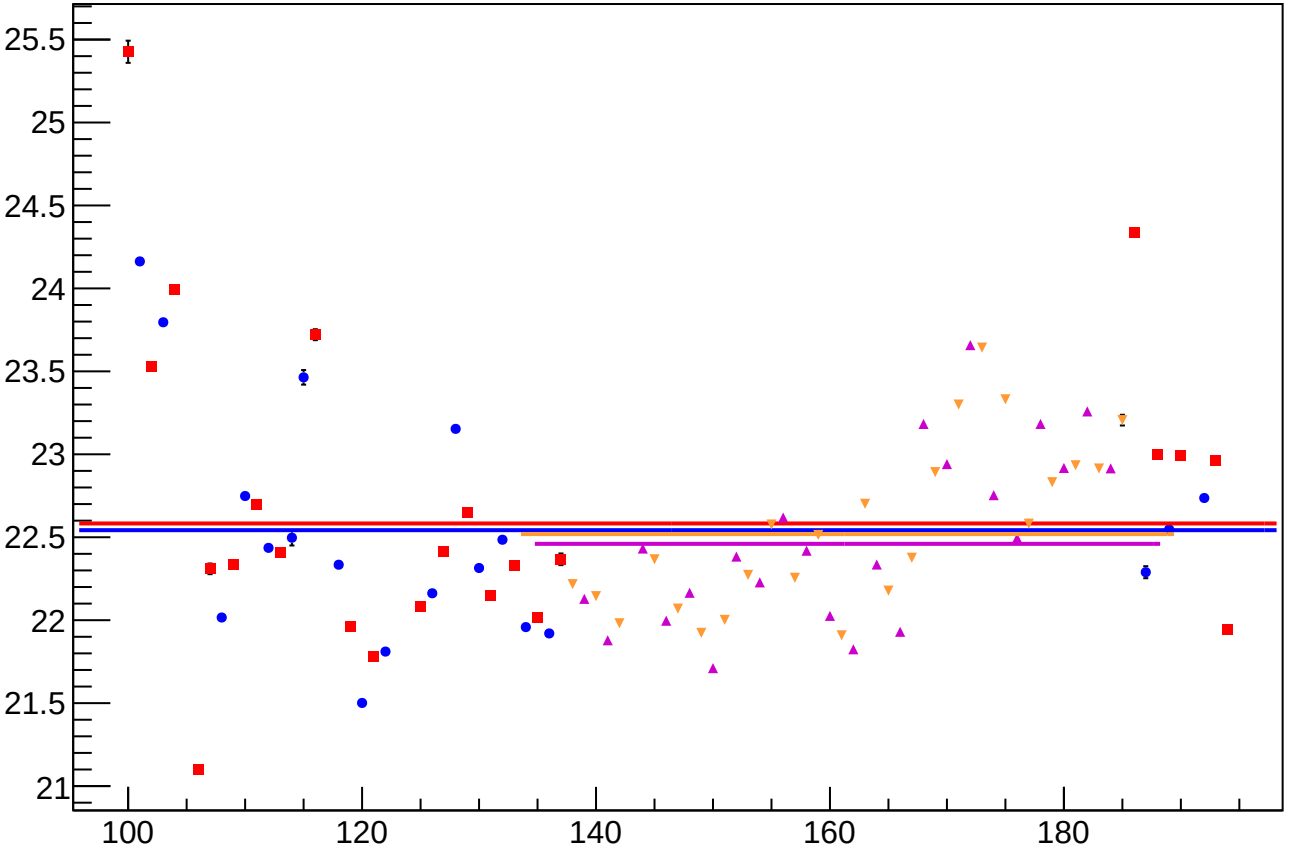
Right: 2.250+/-5.087 χ^2/NDF: 39.7/41

In: 3.503+/-4.307 χ^2/NDF:39.1/41

Out: 6.668+/-4.165 χ^2/NDF:55.1/46

All: 5.139+/-2.994 χ^2/NDF: 94.5/88

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.543+/-0.005 χ^2/NDF: 16147.9/18

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.583+/-0.005 χ^2/NDF: 22996.0/22

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

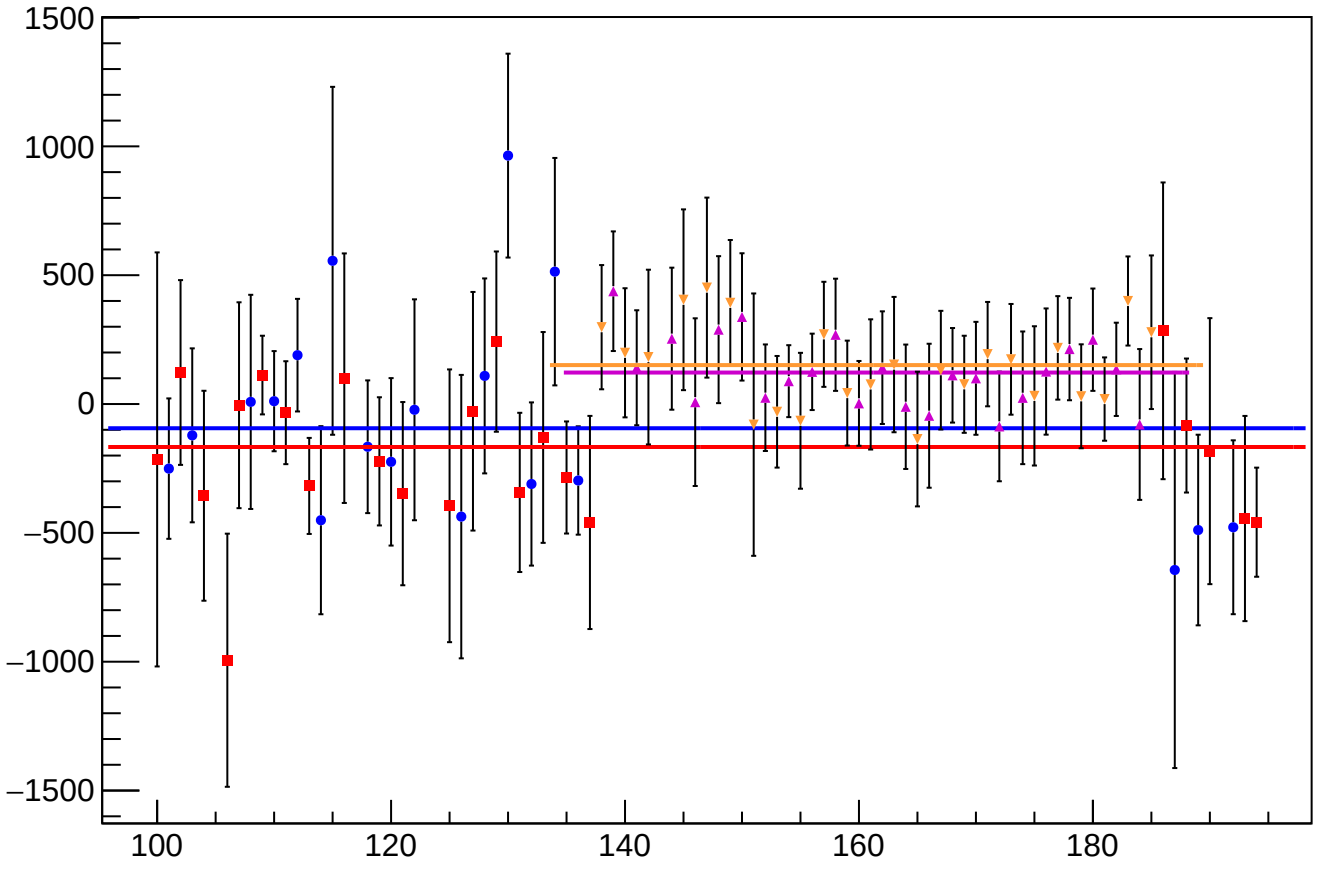
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.565+/-0.004 χ^2/NDF: 39175.3/41

In: 22.487+/-0.003 χ^2/NDF:35425.8/41

Out: 22.542+/-0.003 χ^2/NDF:39104.1/46

All: 22.516+/-0.002 χ^2/NDF: 74700.5/88



Right In: -93.926+/-73.061 χ^2/NDF: 18.6/18

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: -166.737+/-61.911 χ^2/NDF: 14.8/22

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

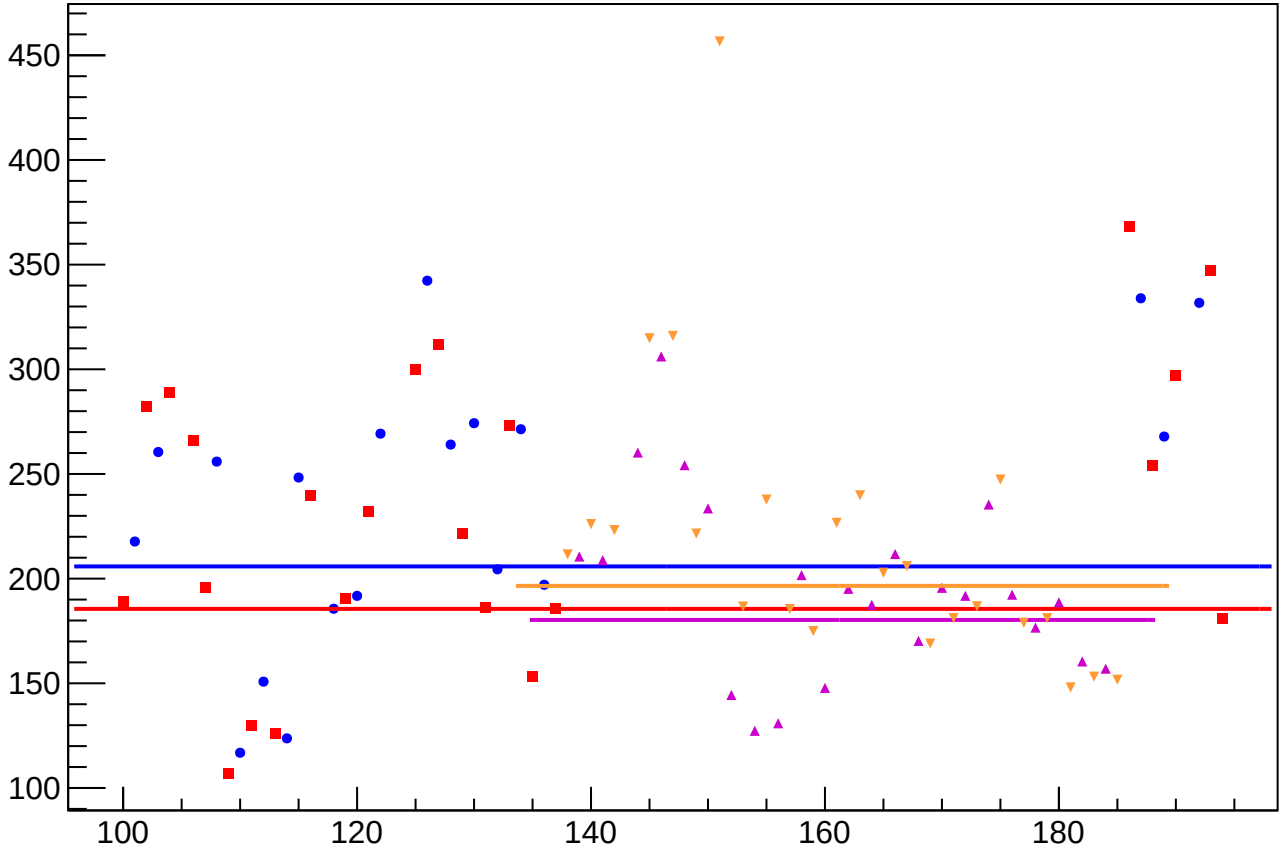
Right: -136.306+/-47.233 χ^2/NDF: 34.0/41

In: 64.640+/-37.696 χ^2/NDF:32.5/41

Out: 33.911+/-37.594 χ^2/NDF:41.4/46

All: 49.234+/-26.619 χ^2/NDF: 74.2/88

asym_bcm_dg_ds_an_us_avg_rms vs Slug, Sign Corrected



Right In: 205.837+/-0.052 χ^2/NDF: 1468979.1/18

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 185.549+/-0.044 χ^2/NDF: 2444708.4/22

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

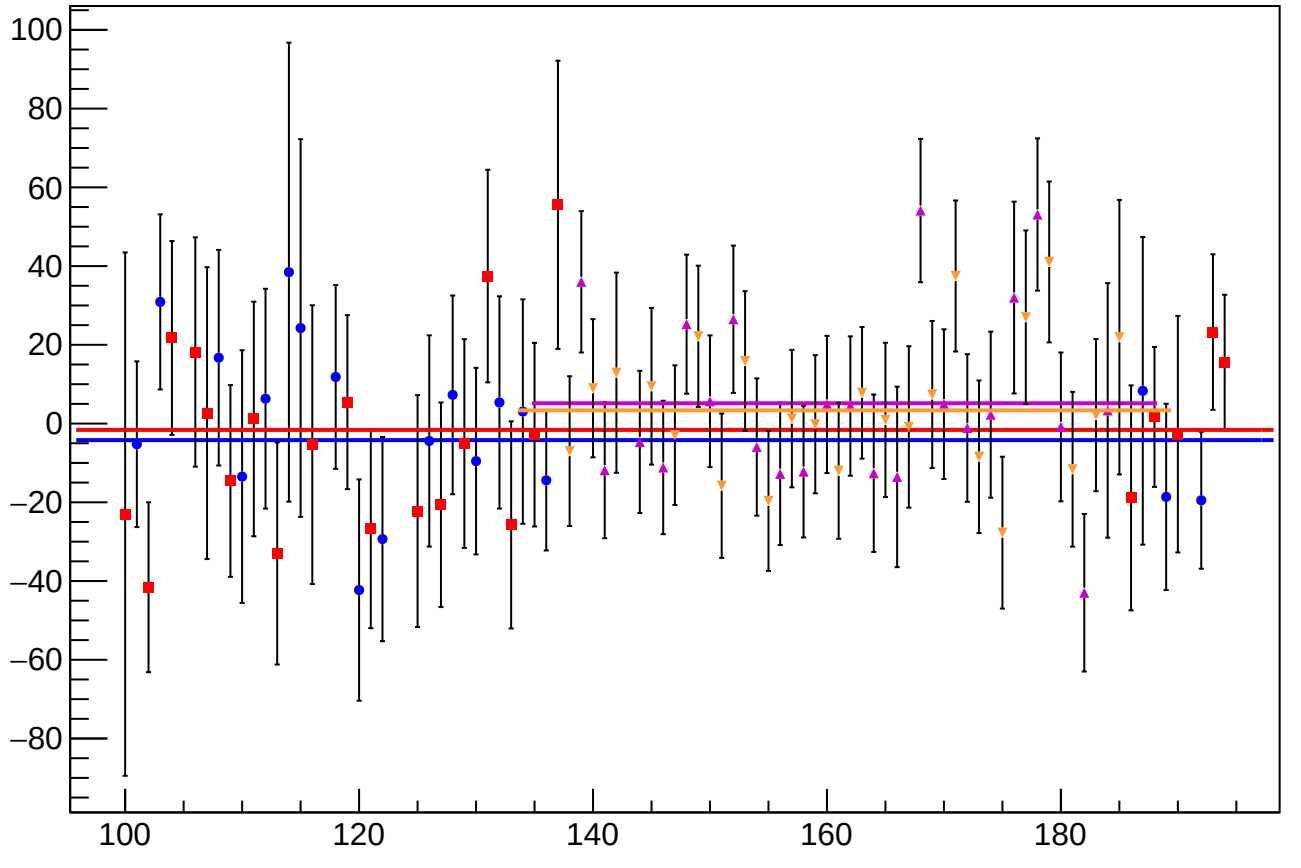
Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

Right: 194.029+/-0.033 χ^2/NDF: 4003449.6/41

In: 187.079+/-0.027 χ^2/NDF:3273322.8/41

Out: 192.483+/-0.027 χ^2/NDF:4212337.0/46

All: 189.789+/-0.019 χ^2/NDF: 7506265.8/88



Right In: -4.207+/-5.829 χ^2/NDF: 9.5/18

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: -1.610+/-5.322 χ^2/NDF: 16.9/22

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

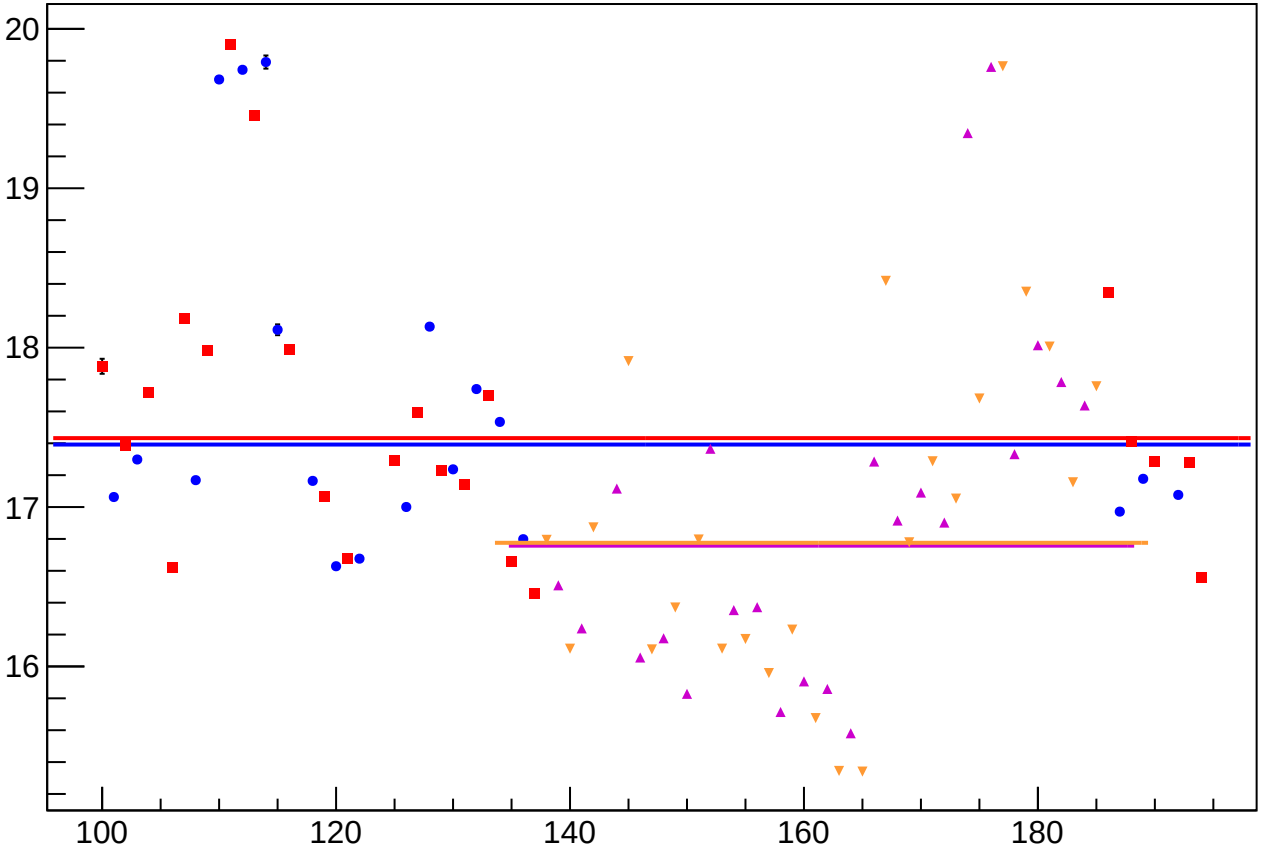
Right: -2.791+/-3.930 χ^2/NDF: 26.5/41

In: 2.232+/-3.255 χ^2/NDF:43.5/41

Out: 1.621+/-3.148 χ^2/NDF:35.2/46

All: 1.916+/-2.263 χ^2/NDF: 78.7/88

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.392+/-0.004 χ^2/NDF: 37953.1/18

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.432+/-0.004 χ^2/NDF: 42348.7/22

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

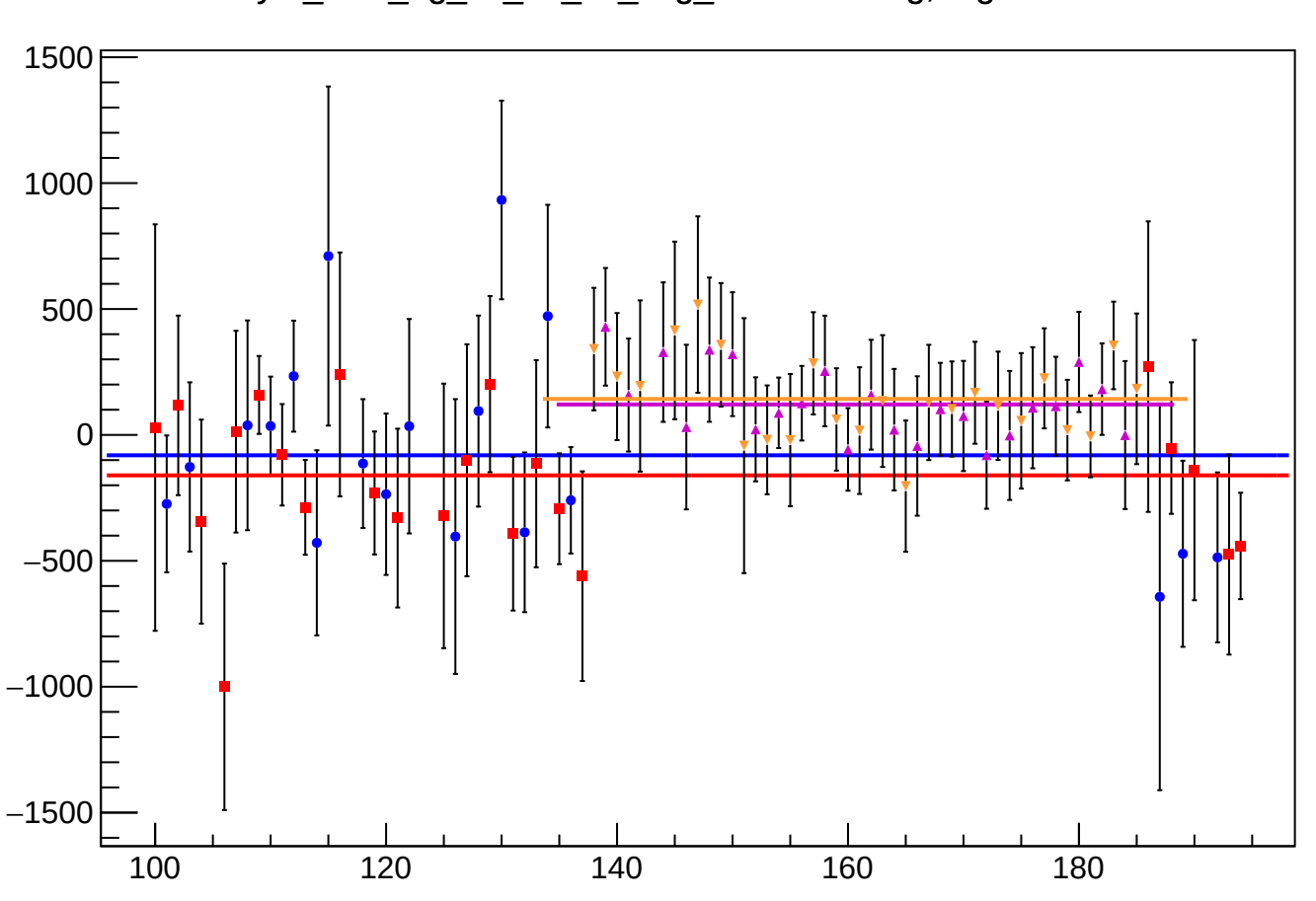
Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

Right: 17.414+/-0.003 χ^2/NDF: 80353.9/41

In: 16.956+/-0.002 χ^2/NDF:177559.7/41

Out: 17.006+/-0.002 χ^2/NDF:198285.7/46

All: 16.981+/-0.002 χ^2/NDF: 376088.1/88



Right In: -80.900+/-73.159 χ^2/NDF: 19.1/18

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: -160.669+/-62.109 χ^2/NDF: 16.1/22

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

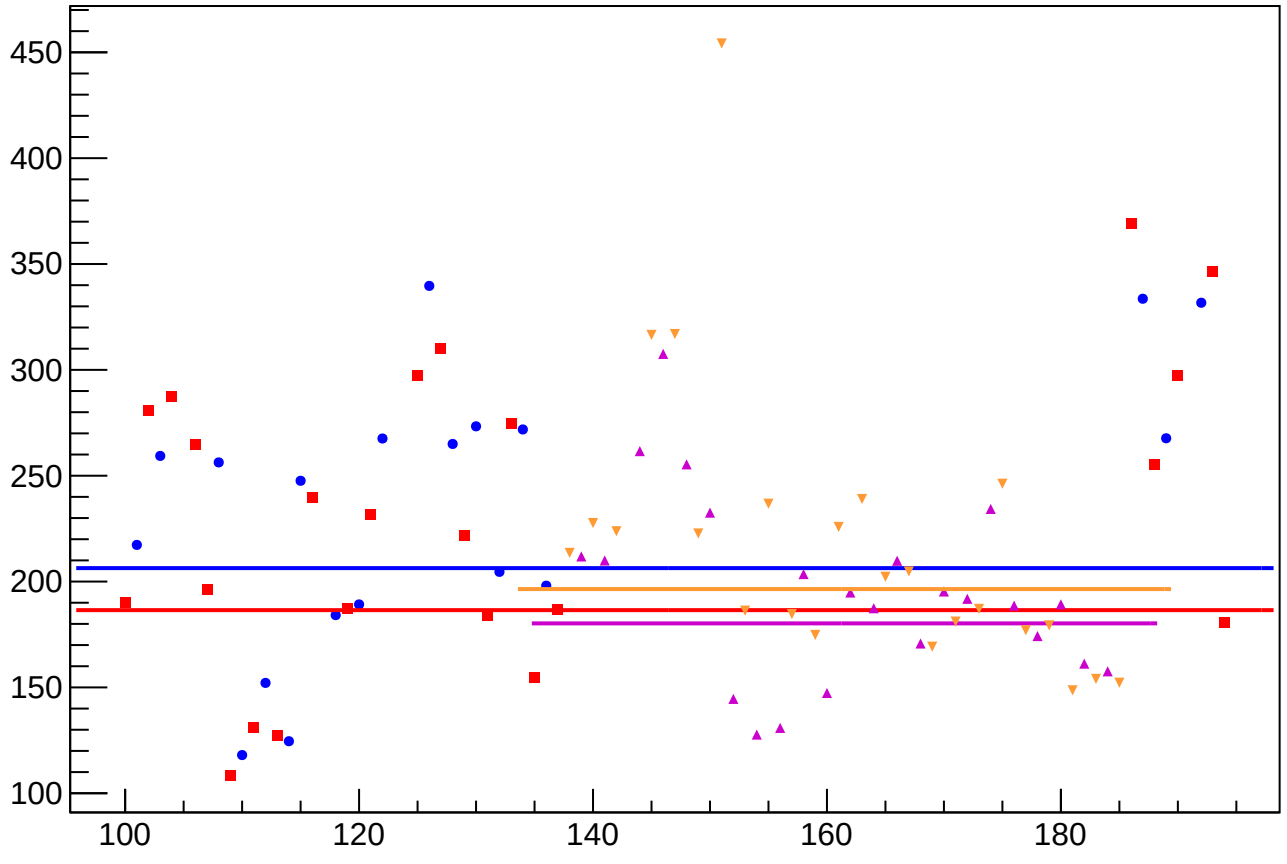
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

Right: -127.258+/-47.347 χ^2/NDF: 35.8/41

In: 67.296+/-37.702 χ^2/NDF:32.9/41

Out: 31.373+/-37.624 χ^2/NDF:41.3/46

All: 49.297+/-26.632 χ^2/NDF: 74.7/88



Right In: 206.349+/-0.052 χ^2/NDF: 1434089.4/18

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 186.500+/-0.044 χ^2/NDF: 2377545.3/22

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

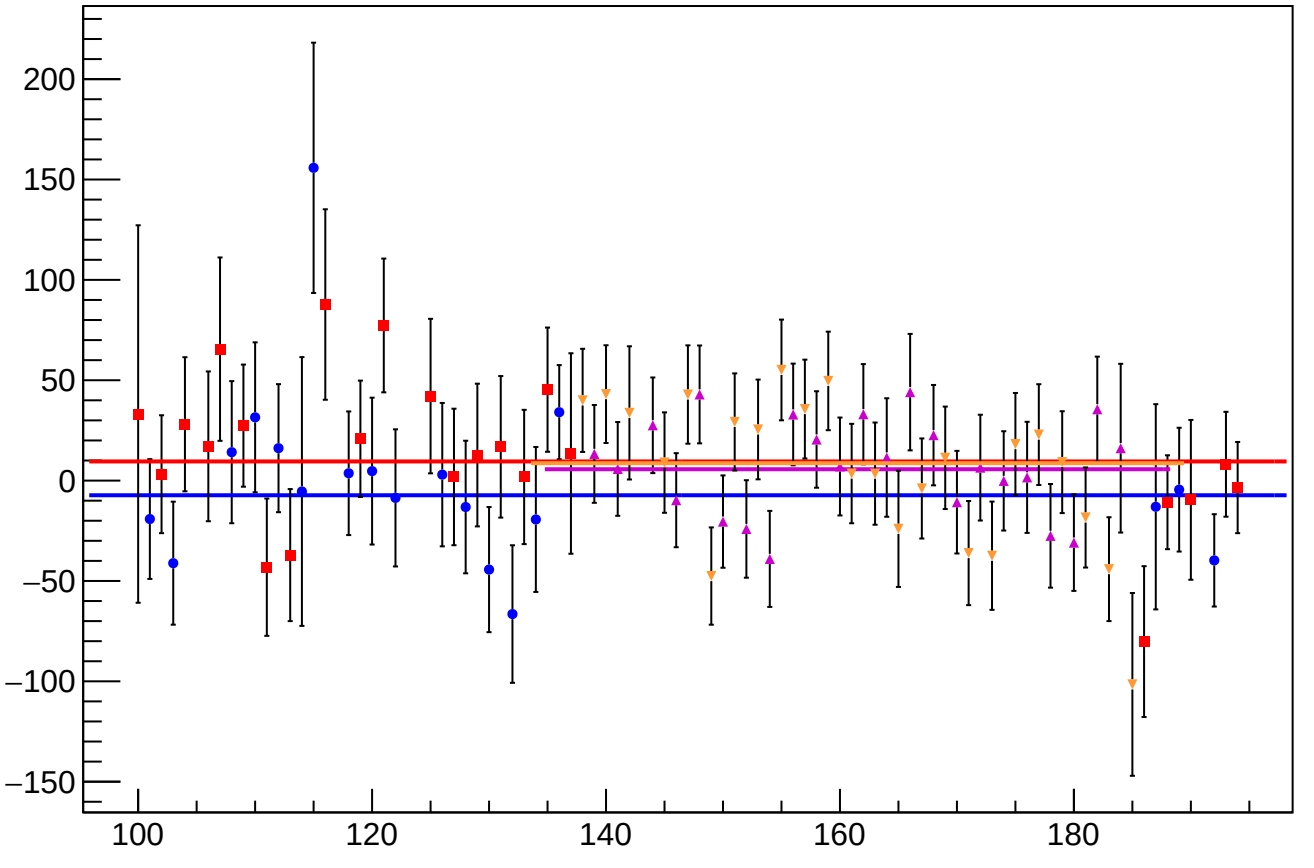
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 194.814+/-0.033 χ^2/NDF: 3897192.0/41

In: 187.180+/-0.027 χ^2/NDF:3248833.2/41

Out: 192.800+/-0.027 χ^2/NDF:4133578.7/46

All: 189.996+/-0.019 χ^2/NDF: 7404678.4/88



Right In: -7.298+/-7.599 χ^2/NDF: 20.2/18

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: 9.549+/-6.933 χ^2/NDF: 22.9/22

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.169+/-3.734 χ^2/NDF: 60.1/46

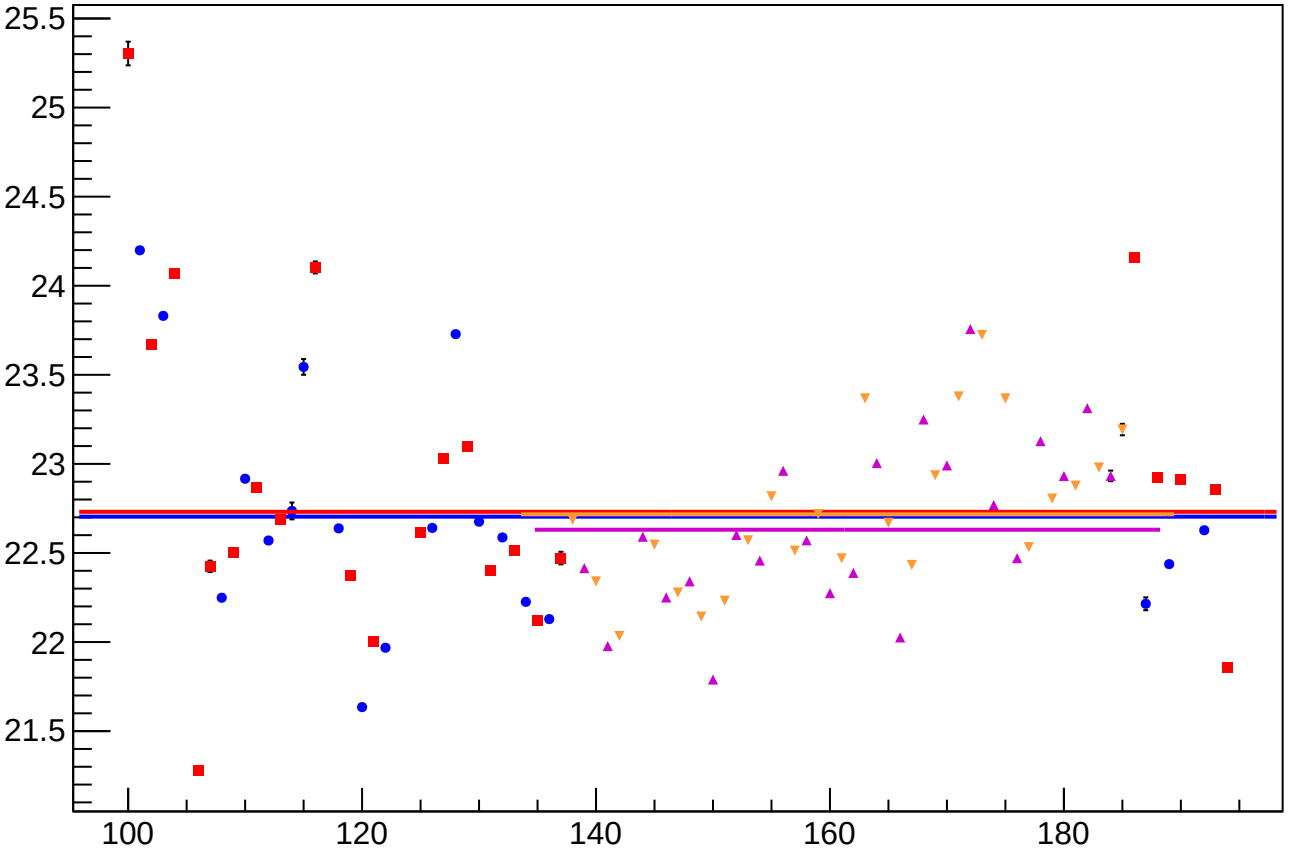
Right: 1.896+/-5.122 χ^2/NDF: 45.8/41

In: 1.440+/-4.340 χ^2/NDF:43.0/41

Out: 8.989+/-4.198 χ^2/NDF:62.1/46

All: 5.339+/-3.017 χ^2/NDF: 106.6/88

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.704+/-0.005 χ^2/NDF: 15030.3/18

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.731+/-0.005 χ^2/NDF: 20453.7/22

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

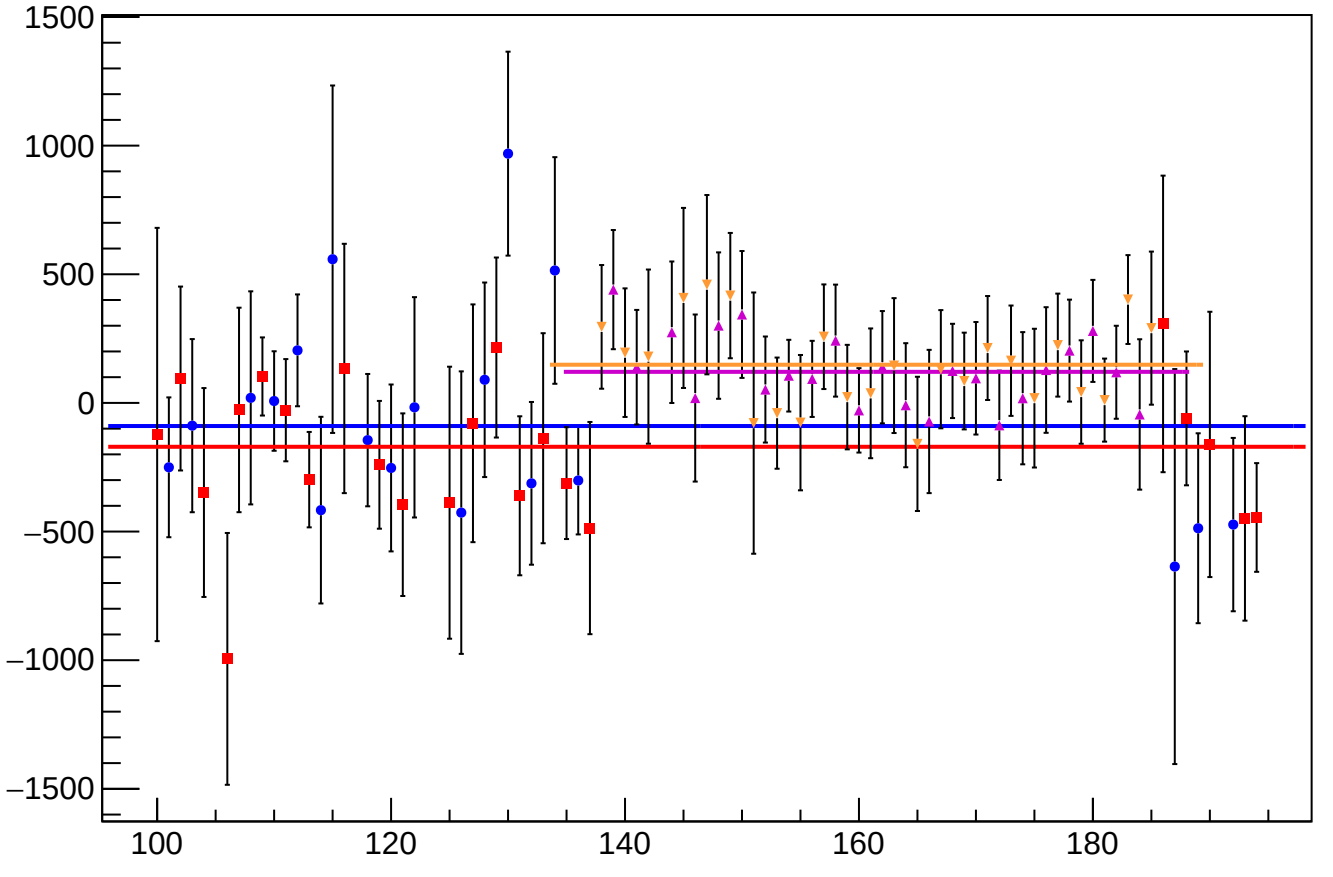
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.719+/-0.004 χ^2/NDF: 35498.1/41

In: 22.654+/-0.003 χ^2/NDF:30547.0/41

Out: 22.722+/-0.003 χ^2/NDF:32636.4/46

All: 22.689+/-0.002 χ^2/NDF: 63435.0/88



Right In: -89.848+/-72.854 χ^2/NDF: 18.7/18

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: -170.517+/-61.731 χ^2/NDF: 14.7/22

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

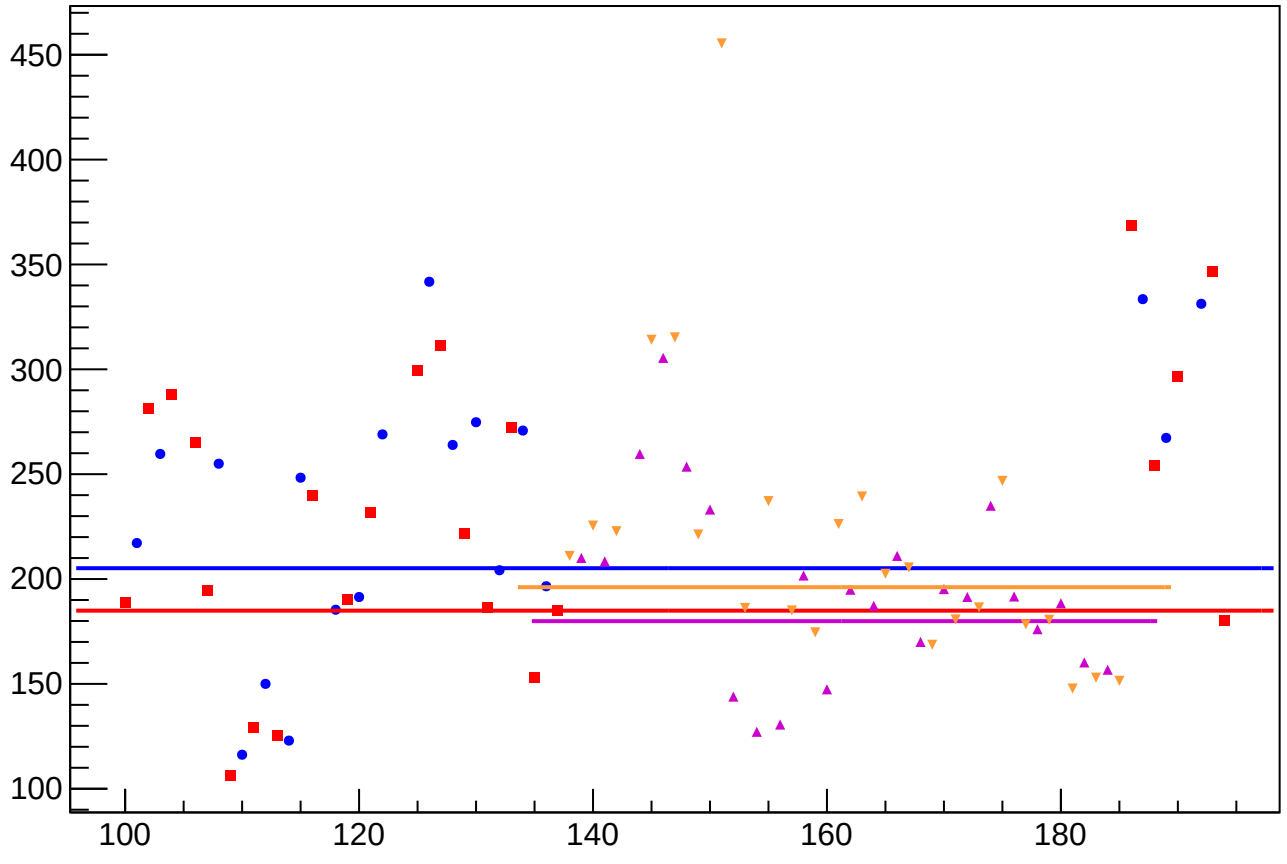
Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

Right: -136.804+/-47.097 χ^2/NDF: 34.1/41

In: 64.621+/-37.614 χ^2/NDF:32.7/41

Out: 30.713+/-37.502 χ^2/NDF:42.5/46

All: 47.617+/-26.557 χ^2/NDF: 75.5/88



Right In: 205.172+/-0.052 χ^2/NDF: 1482286.3/18

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 184.922+/-0.044 χ^2/NDF: 2463015.9/22

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

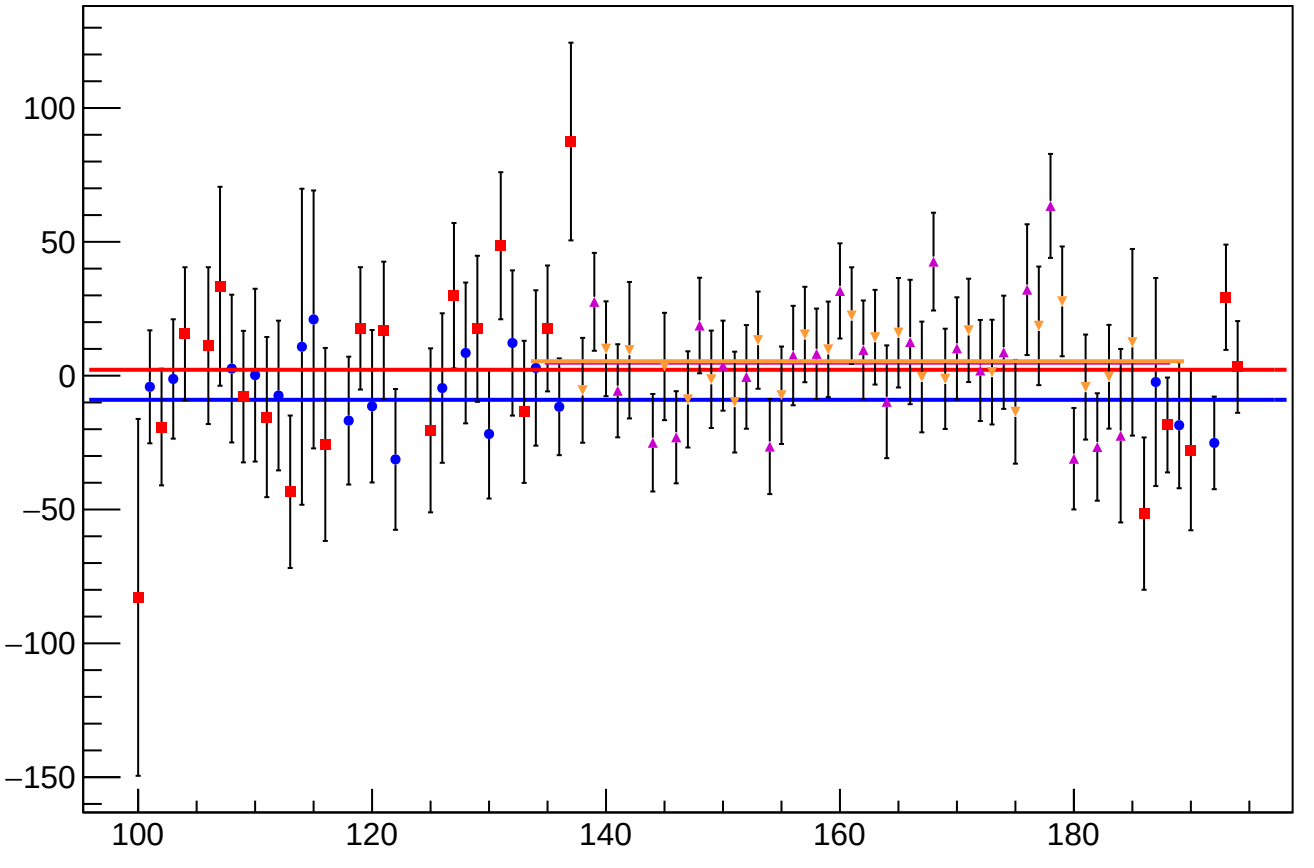
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 193.384+/-0.033 χ^2/NDF: 4035245.2/41

In: 186.653+/-0.027 χ^2/NDF:3282611.0/41

Out: 191.982+/-0.027 χ^2/NDF:4230769.4/46

All: 189.326+/-0.019 χ^2/NDF: 7533510.0/88



Right In: -9.013+/-5.891 χ^2/NDF: 4.4/18

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: 2.208+/-5.374 χ^2/NDF: 26.8/22

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

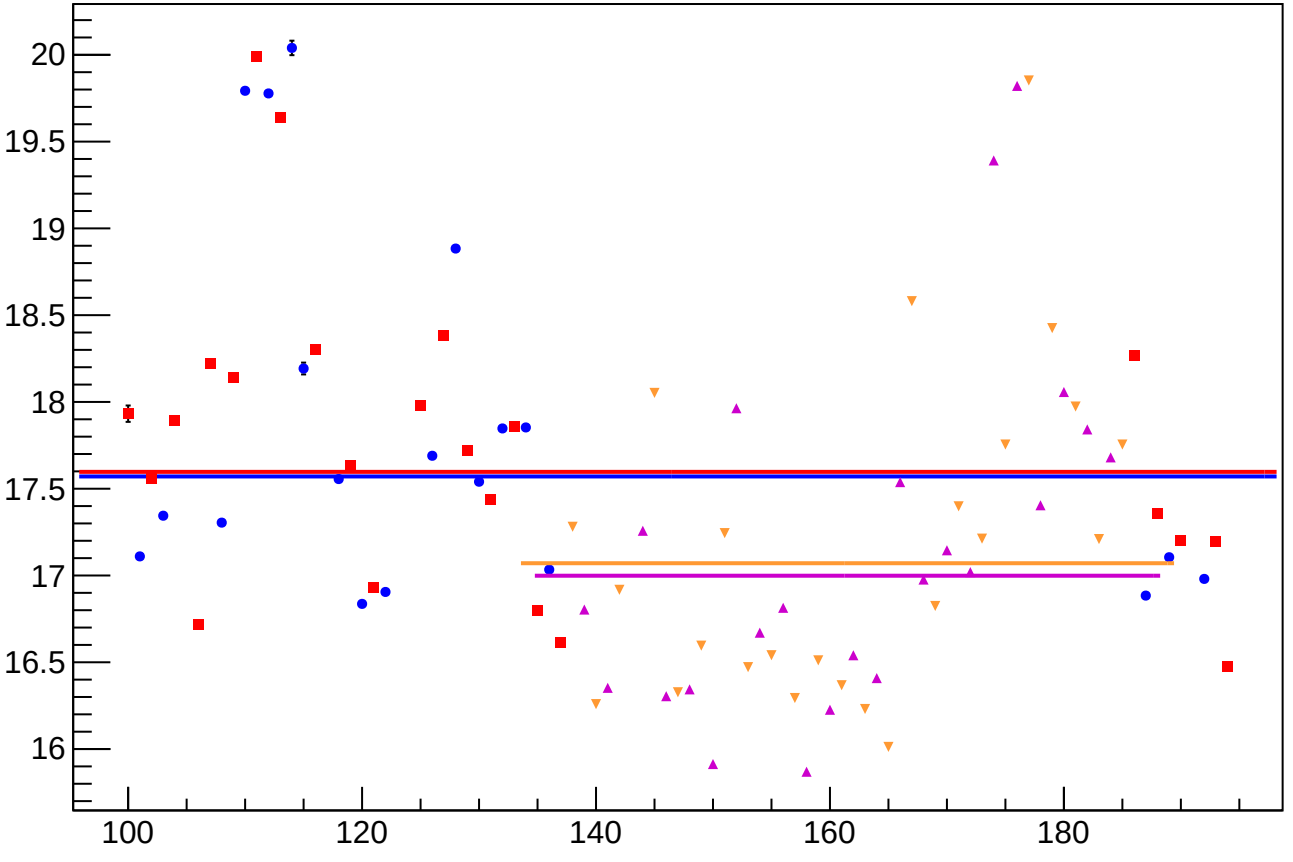
Right: -2.889+/-3.970 χ^2/NDF: 33.2/41

In: 0.510+/-3.298 χ^2/NDF:43.7/41

Out: 4.276+/-3.194 χ^2/NDF:34.8/46

All: 2.454+/-2.294 χ^2/NDF: 79.2/88

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 17.571+/-0.004 χ^2/NDF: 40646.7/18

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.597+/-0.004 χ^2/NDF: 46072.2/22

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

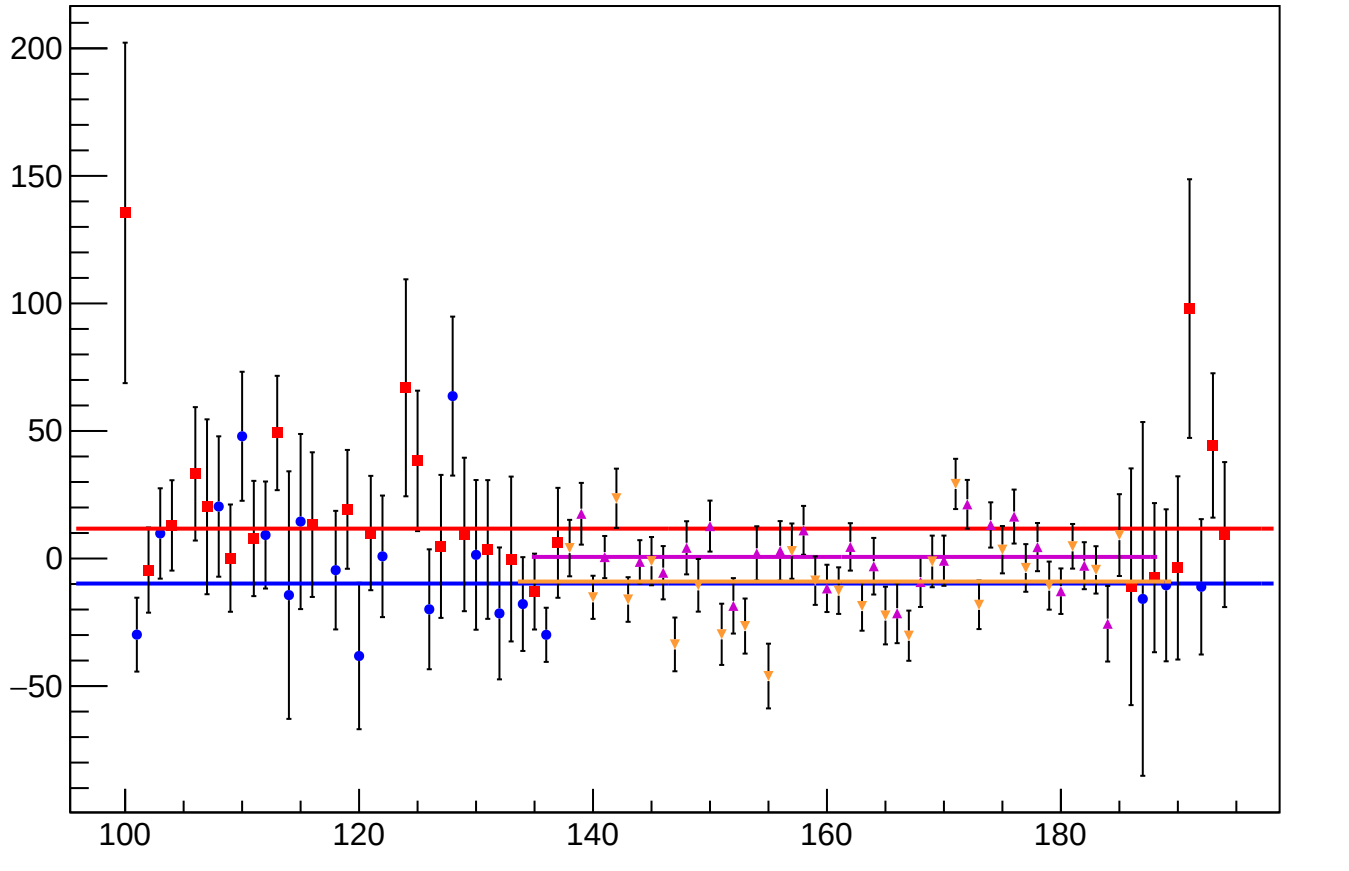
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

Right: 17.585+/-0.003 χ^2/NDF: 86740.9/41

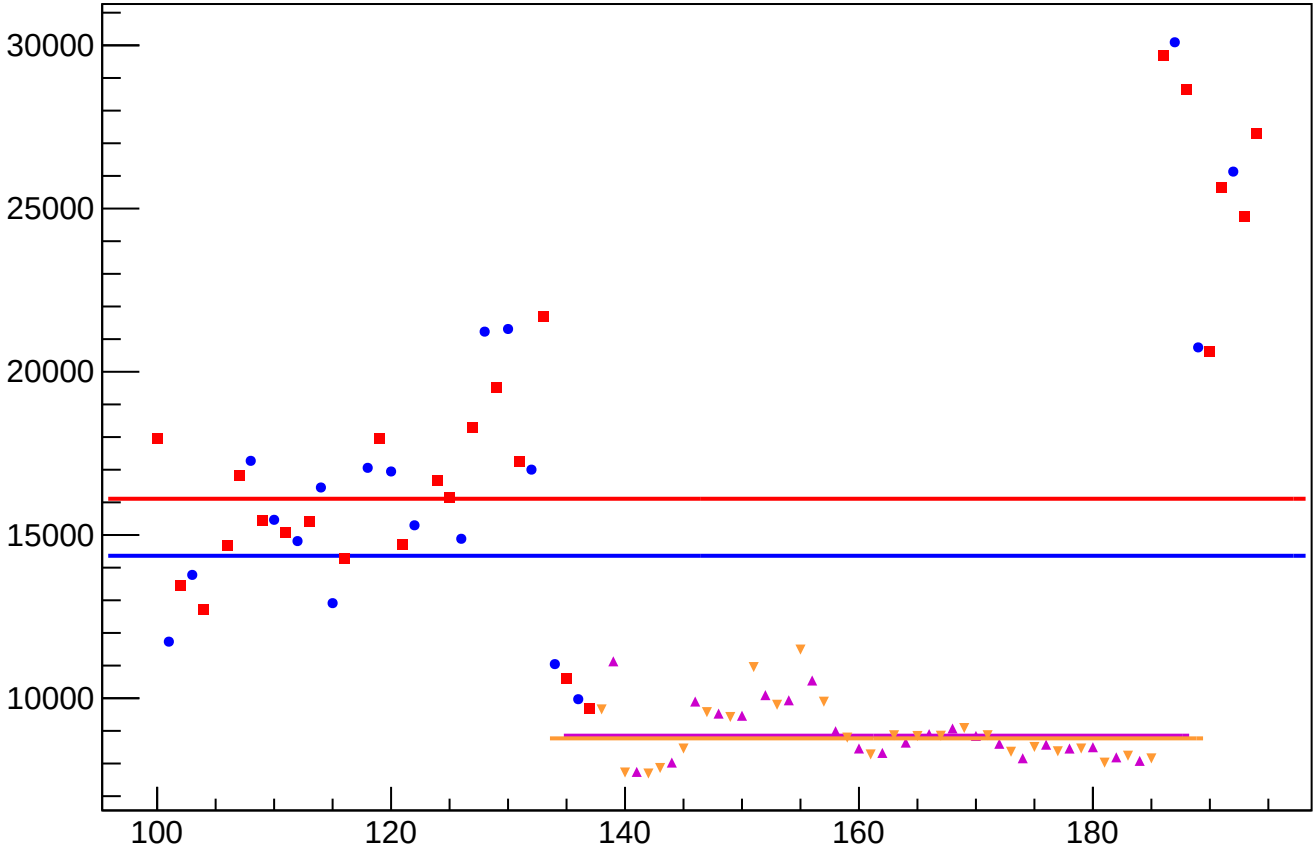
In: 17.178+/-0.002 χ^2/NDF:157611.6/41

Out: 17.257+/-0.002 χ^2/NDF:154796.1/46

All: 17.219+/-0.002 χ^2/NDF: 312995.0/88


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
120
140
160
180
Right In: -9.807+/-5.045 χ²/NDF: 22.0/18
Left Out: -9.027+/-2.006 χ²/NDF:62.0/24
Right Out: 11.718+/-5.056 χ²/NDF: 19.2/24
Left In: 0.628+/-2.079 χ²/NDF:29.5/22
Left: -4.372+/-1.444 χ²/NDF: 102.7/47
Right: 0.932+/-3.571 χ²/NDF: 50.3/43
In: -0.887+/-1.922 χ²/NDF:55.2/41
Out: -6.205+/-1.865 χ²/NDF:95.7/49
All: -3.627+/-1.339 χ²/NDF: 154.8/91

diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected



Right In: 14363.452+/-3.567 χ^2/NDF: 1375402.2/18

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 16110.392+/-3.575 χ^2/NDF: 1857964.0/24

Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

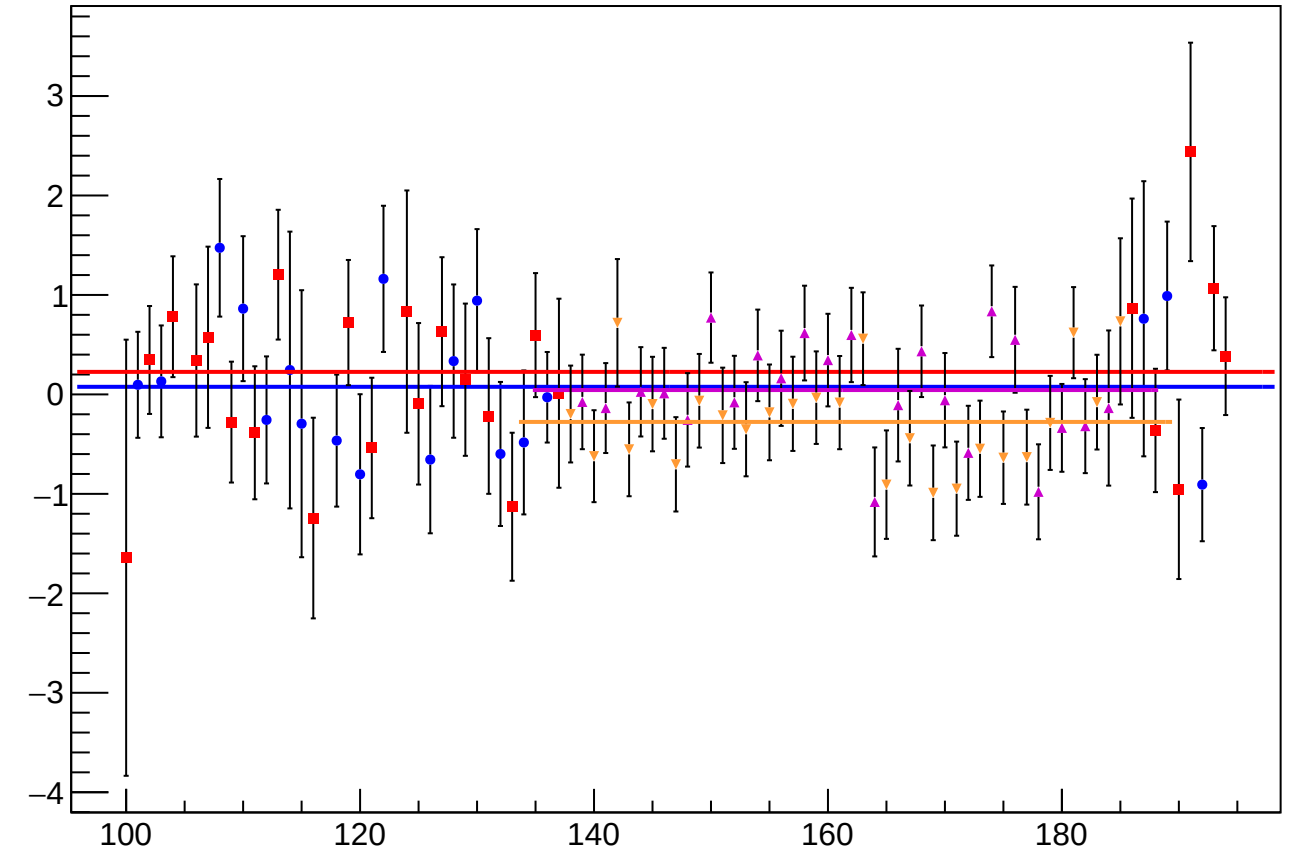
Left: 8810.105+/-1.021 χ^2/NDF: 646671.0/47

Right: 15235.028+/-2.525 χ^2/NDF: 3353023.3/43

In: 9653.034+/-1.359 χ^2/NDF:3715196.8/41

Out: 9769.111+/-1.319 χ^2/NDF:5845214.8/49

All: 9712.832+/-0.947 χ^2/NDF: 9564168.1/91



Right In: 0.076+/-0.159 χ^2/NDF: 18.4/18

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: 0.226+/-0.148 χ^2/NDF: 23.1/24

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

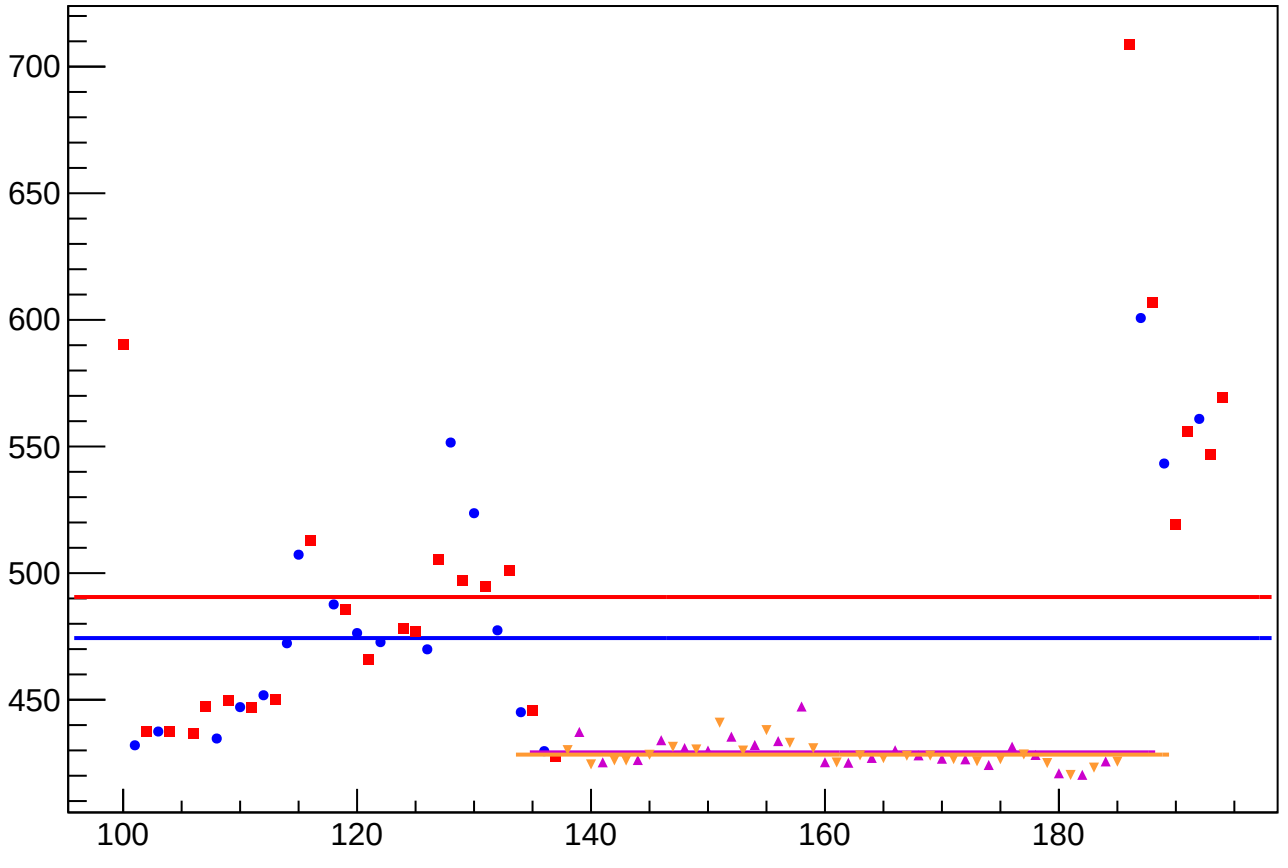
Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

Right: 0.157+/-0.108 χ^2/NDF: 42.0/43

In: 0.053+/-0.085 χ^2/NDF:42.3/41

Out: -0.125+/-0.081 χ^2/NDF:52.2/49

All: -0.040+/-0.059 χ^2/NDF: 96.8/91



Right In: 474.358+/-0.113 χ^2/NDF: 167101.9/18

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 490.565+/-0.105 χ^2/NDF: 312295.0/24

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

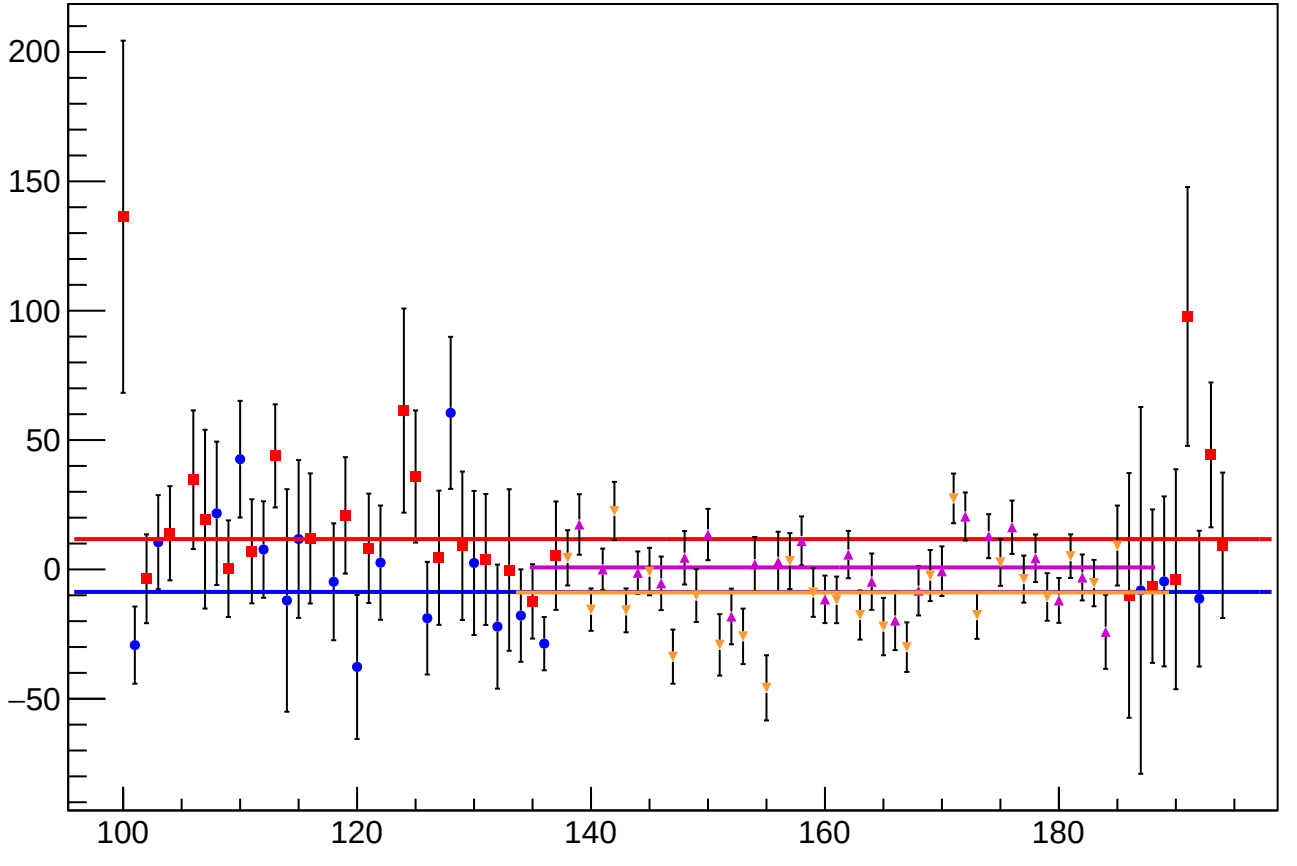
Right: 483.074+/-0.077 χ^2/NDF: 490503.0/43

In: 442.006+/-0.060 χ^2/NDF:288650.1/41

Out: 447.145+/-0.057 χ^2/NDF:563431.8/49

All: 444.686+/-0.042 χ^2/NDF: 855907.0/91

diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected



Right In: -8.704+/-4.879 χ^2/NDF: 22.3/18

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: 11.720+/-4.869 χ^2/NDF: 18.9/24

Left In: 0.773+/-2.034 χ^2/NDF:29.3/22

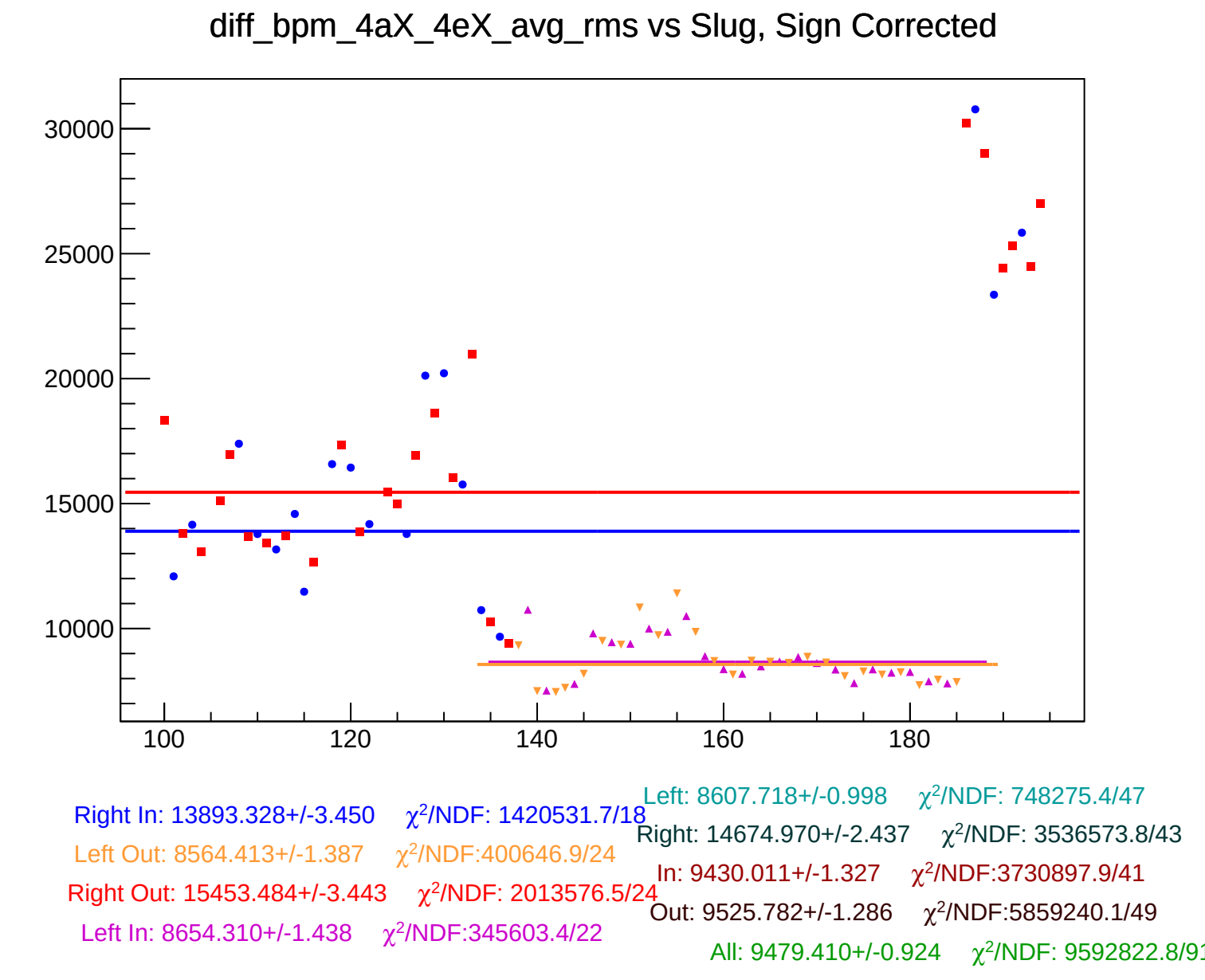
Left: -4.243+/-1.412 χ^2/NDF: 102.6/47

Right: 1.528+/-3.446 χ^2/NDF: 50.0/43

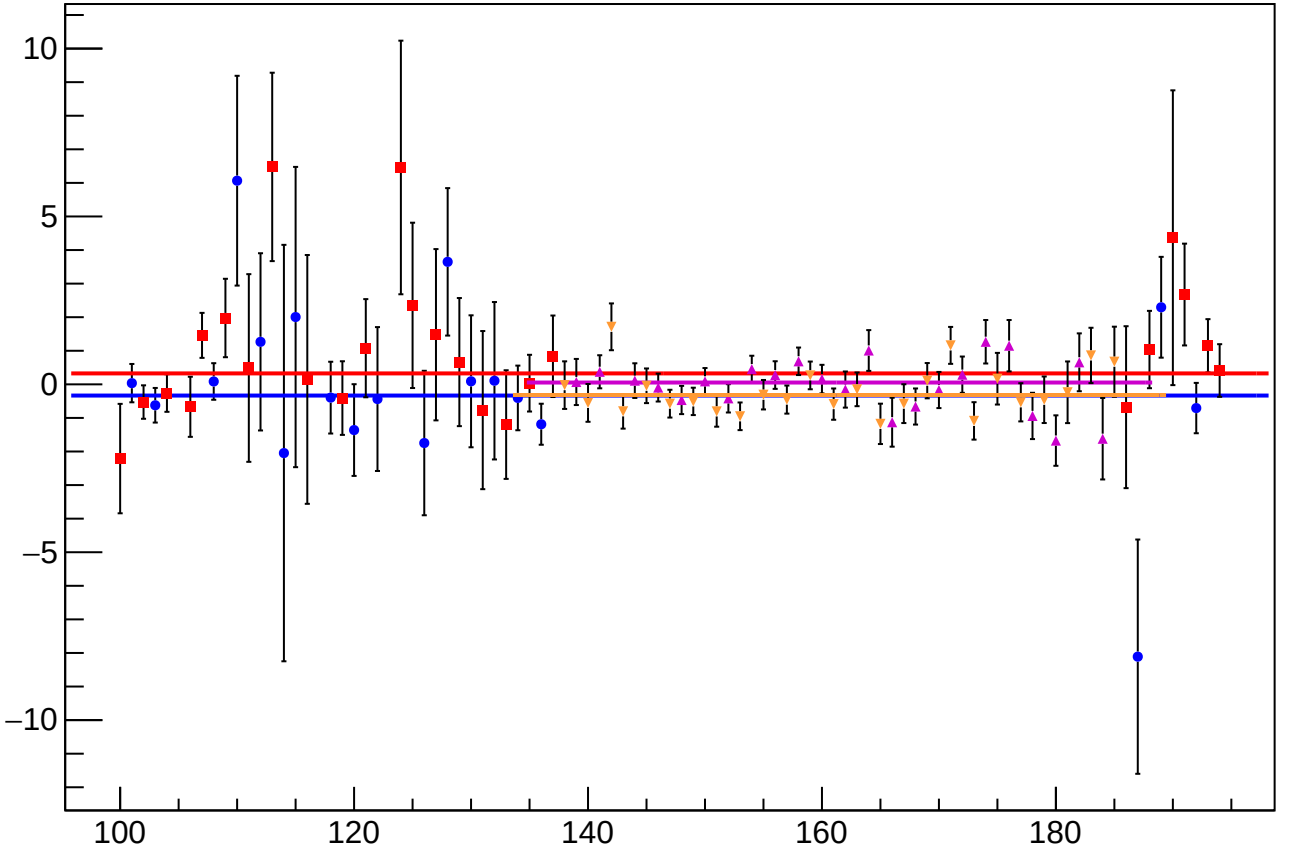
In: -0.631+/-1.877 χ^2/NDF:54.8/41

Out: -6.026+/-1.819 χ^2/NDF:95.9/49

All: -3.414+/-1.306 χ^2/NDF: 155.0/91


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
Right In: 13893.328+/-3.450 χ²/NDF: 1420531.7/18
Left Out: 8564.413+/-1.387 χ²/NDF:400646.9/24
Right Out: 15453.484+/-3.443 χ²/NDF: 2013576.5/24
Left In: 8654.310+/-1.438 χ²/NDF:345603.4/22
Left: 8607.718+/-0.998 χ²/NDF: 748275.4/47
Right: 14674.970+/-2.437 χ²/NDF: 3536573.8/43
In: 9430.011+/-1.327 χ²/NDF:3730897.9/41
Out: 9525.782+/-1.286 χ²/NDF:5859240.1/49
All: 9479.410+/-0.924 χ²/NDF: 9592822.8/91

diff_bpm_4aX_4eX_dd_mean vs Slug, Sign Corrected



Right In: -0.334+/-0.229 χ^2/NDF: 20.9/18

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: 0.326+/-0.216 χ^2/NDF: 27.9/24

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

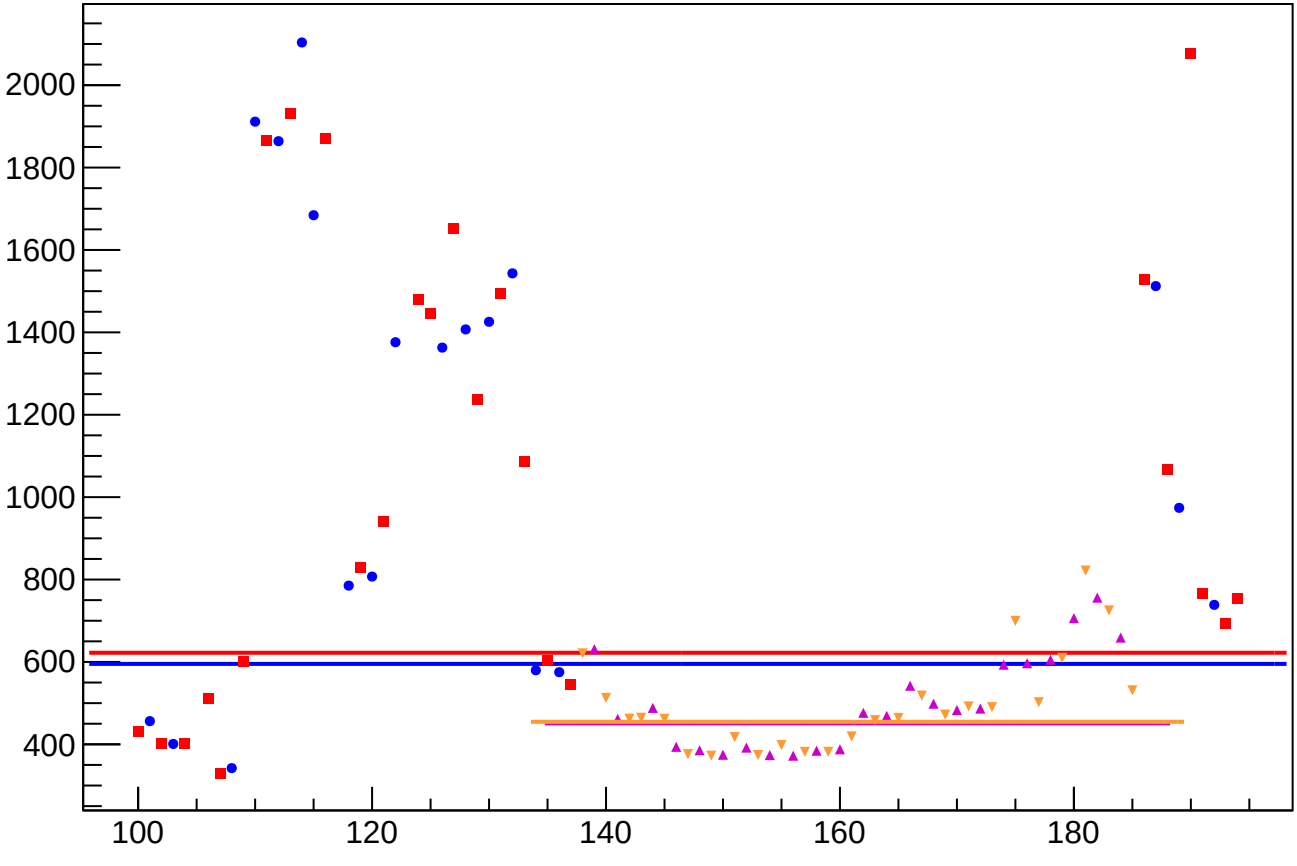
Right: 0.015+/-0.157 χ^2/NDF: 53.2/43

In: -0.017+/-0.098 χ^2/NDF:53.0/41

Out: -0.193+/-0.095 χ^2/NDF:67.3/49

All: -0.107+/-0.068 χ^2/NDF: 122.0/91

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



Right In: 595.229+/-0.162 χ^2/NDF: 3818757.4/18

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 622.292+/-0.153 χ^2/NDF: 4570266.8/24

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

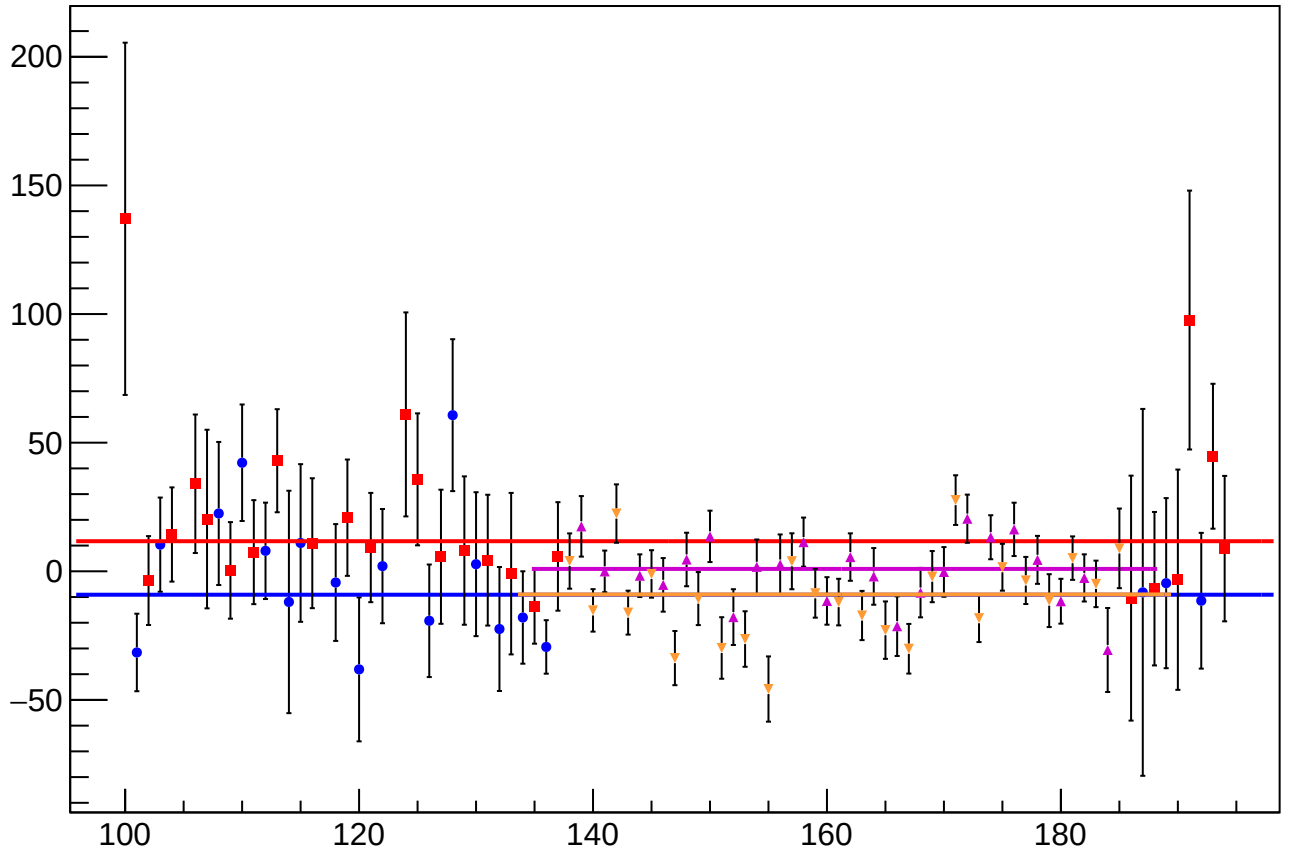
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

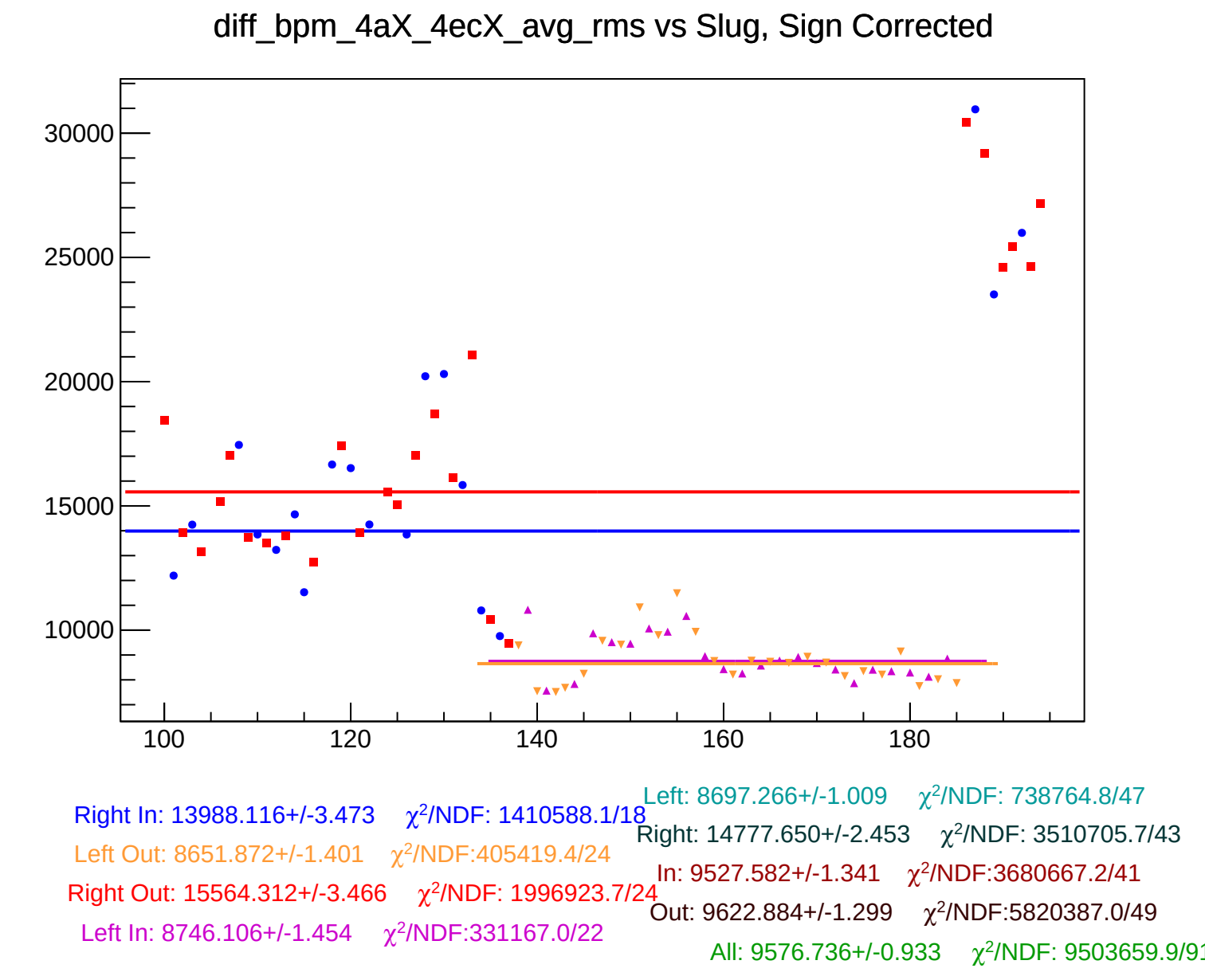
Right: 609.528+/-0.111 χ^2/NDF: 8403792.9/43

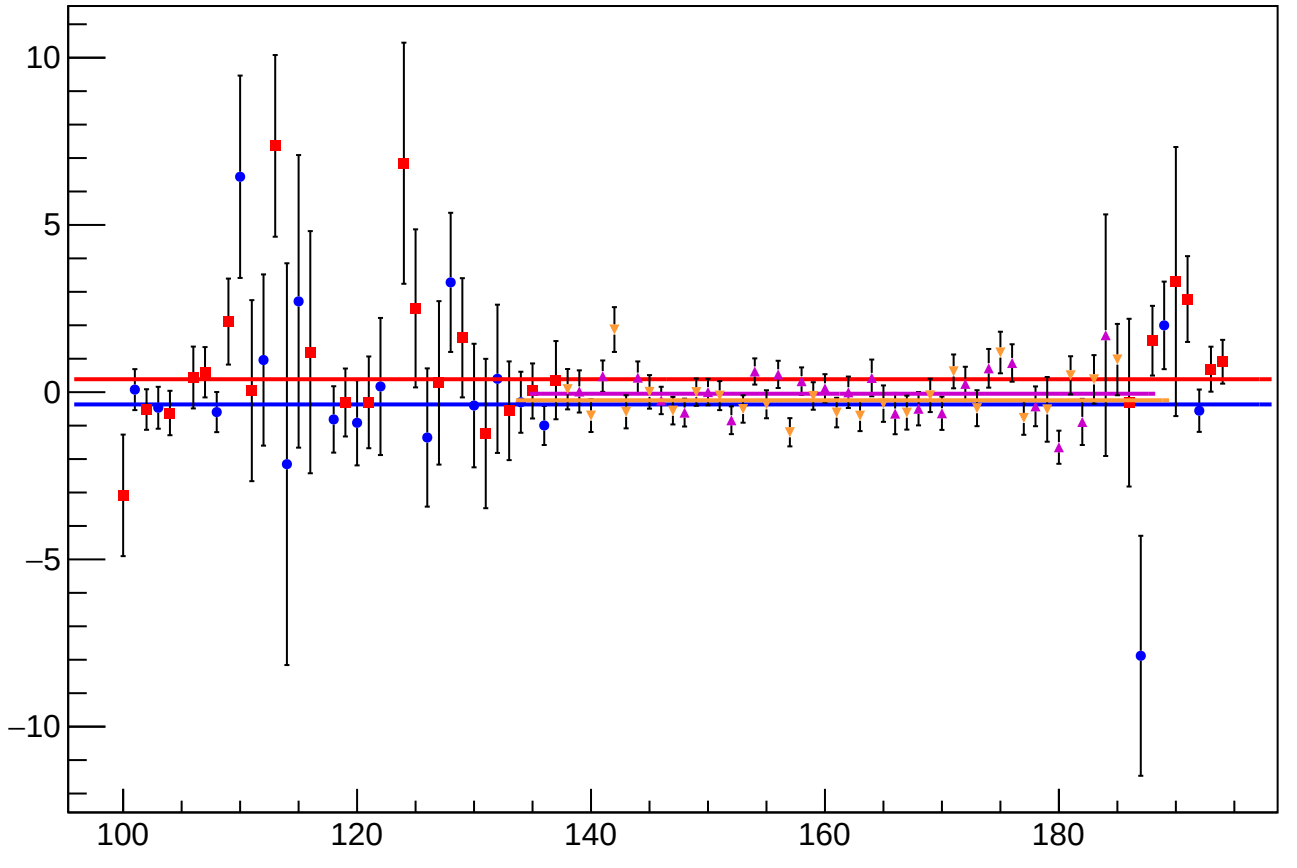
In: 477.123+/-0.069 χ^2/NDF:5941452.6/41

Out: 487.145+/-0.067 χ^2/NDF:6990042.9/49

All: 482.269+/-0.048 χ^2/NDF: 12942285.3/91


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
120
140
160
180
Right In: -9.106+/-4.911 χ²/NDF: 22.8/18
Left Out: -9.001+/-1.982 χ²/NDF:61.3/24
Right Out: 11.698+/-4.902 χ²/NDF: 18.8/24
Left In: 0.925+/-2.056 χ²/NDF:29.9/22
Left: -4.219+/-1.427 χ²/NDF: 103.2/47
Right: 1.315+/-3.470 χ²/NDF: 50.5/43
In: -0.570+/-1.896 χ²/NDF:56.2/41
Out: -6.093+/-1.837 χ²/NDF:95.3/49
All: -3.419+/-1.320 χ²/NDF: 155.9/91


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
Right In: 13988.116+/-3.473 χ²/NDF: 1410588.1/18
Left Out: 8651.872+/-1.401 χ²/NDF:405419.4/24
Right Out: 15564.312+/-3.466 χ²/NDF: 1996923.7/24
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
Left: 8697.266+/-1.009 χ²/NDF: 738764.8/47
Right: 14777.650+/-2.453 χ²/NDF: 3510705.7/43
In: 9527.582+/-1.341 χ²/NDF:3680667.2/41
Out: 9622.884+/-1.299 χ²/NDF:5820387.0/49
All: 9576.736+/-0.933 χ²/NDF: 9503659.9/91



Right In: -0.366+/-0.233 χ^2/NDF: 19.4/18

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: 0.387+/-0.220 χ^2/NDF: 29.2/24

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

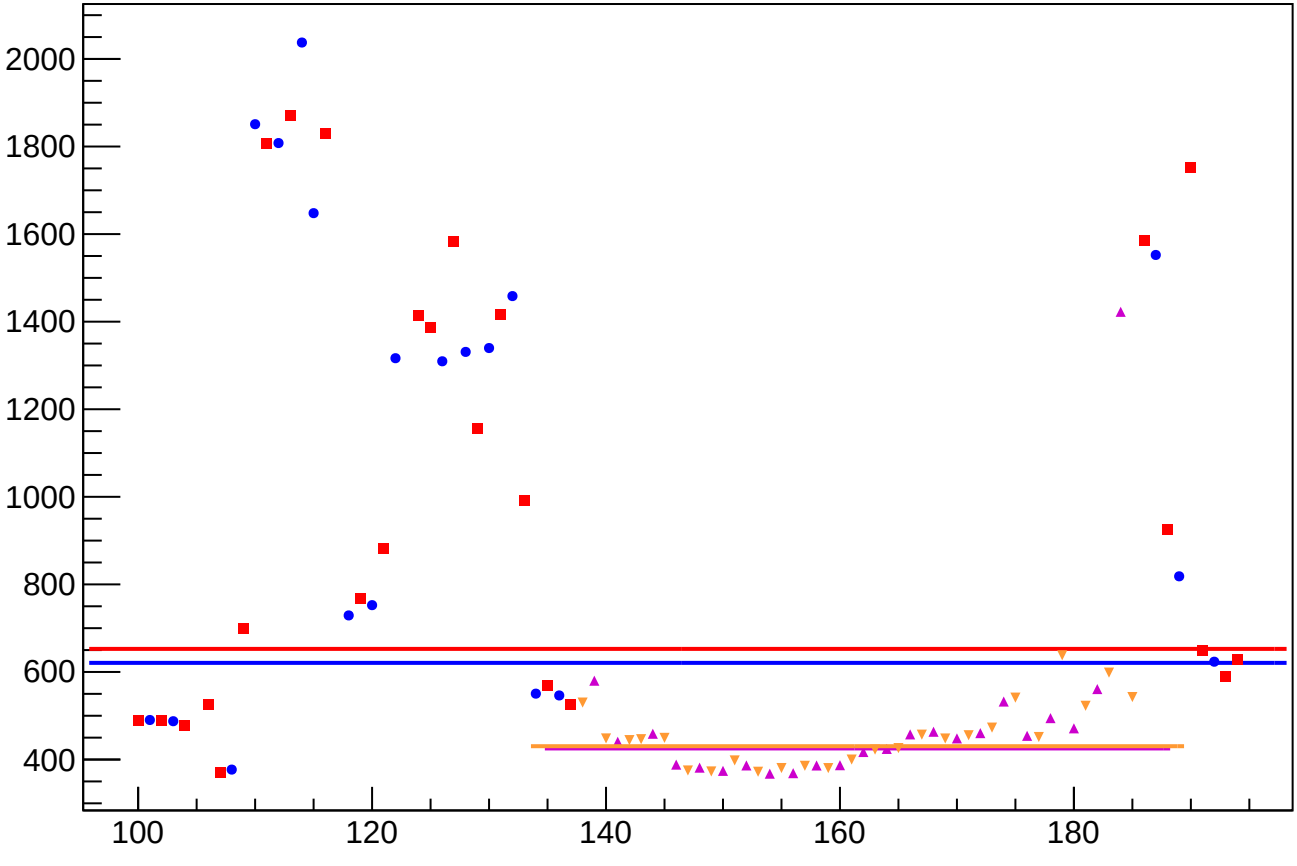
Right: 0.031+/-0.160 χ^2/NDF: 54.2/43

In: -0.098+/-0.093 χ^2/NDF:56.0/41

Out: -0.134+/-0.091 χ^2/NDF:70.3/49

All: -0.116+/-0.065 χ^2/NDF: 126.4/91

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 620.770+/-0.165 χ^2/NDF: 3038132.7/18

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

Right Out: 652.690+/-0.156 χ^2/NDF: 3382879.4/24

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

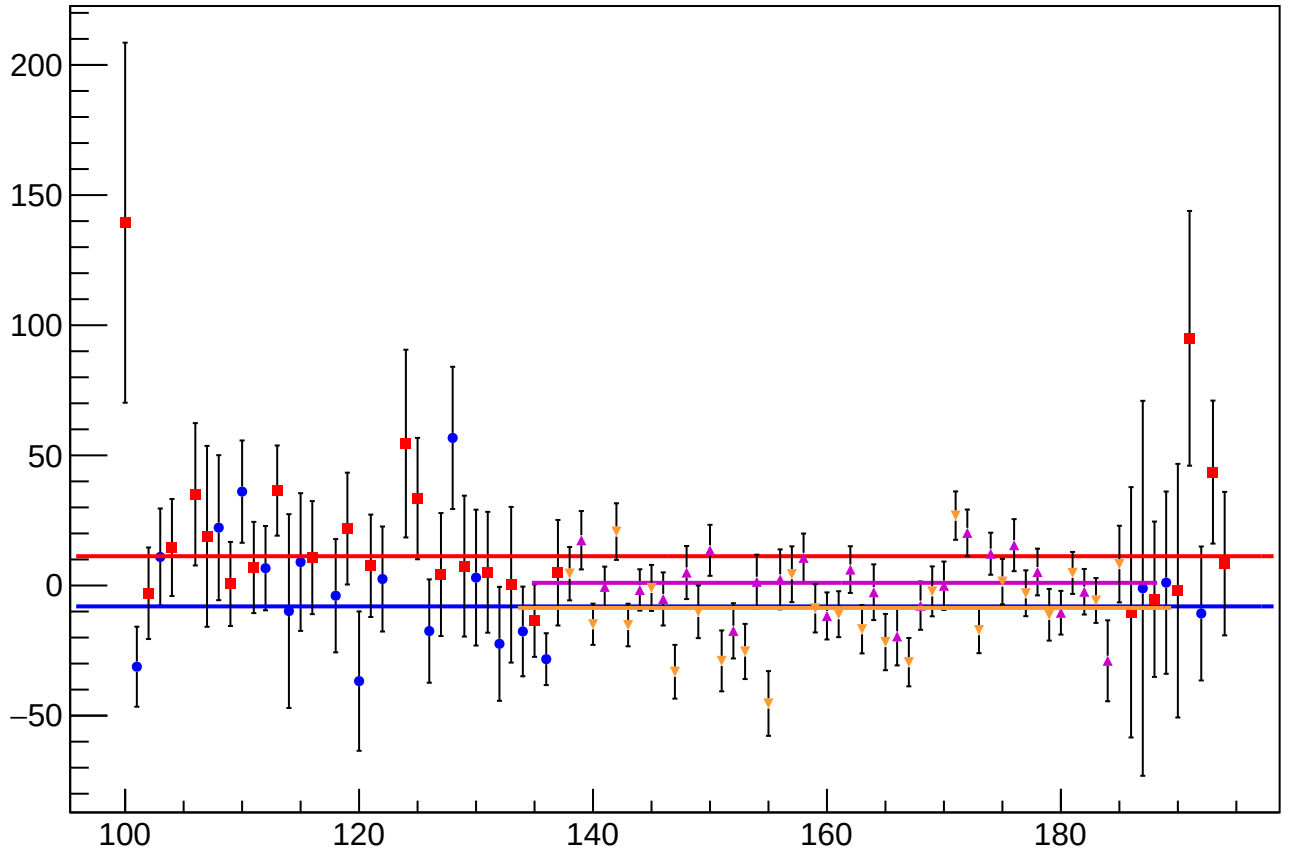
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

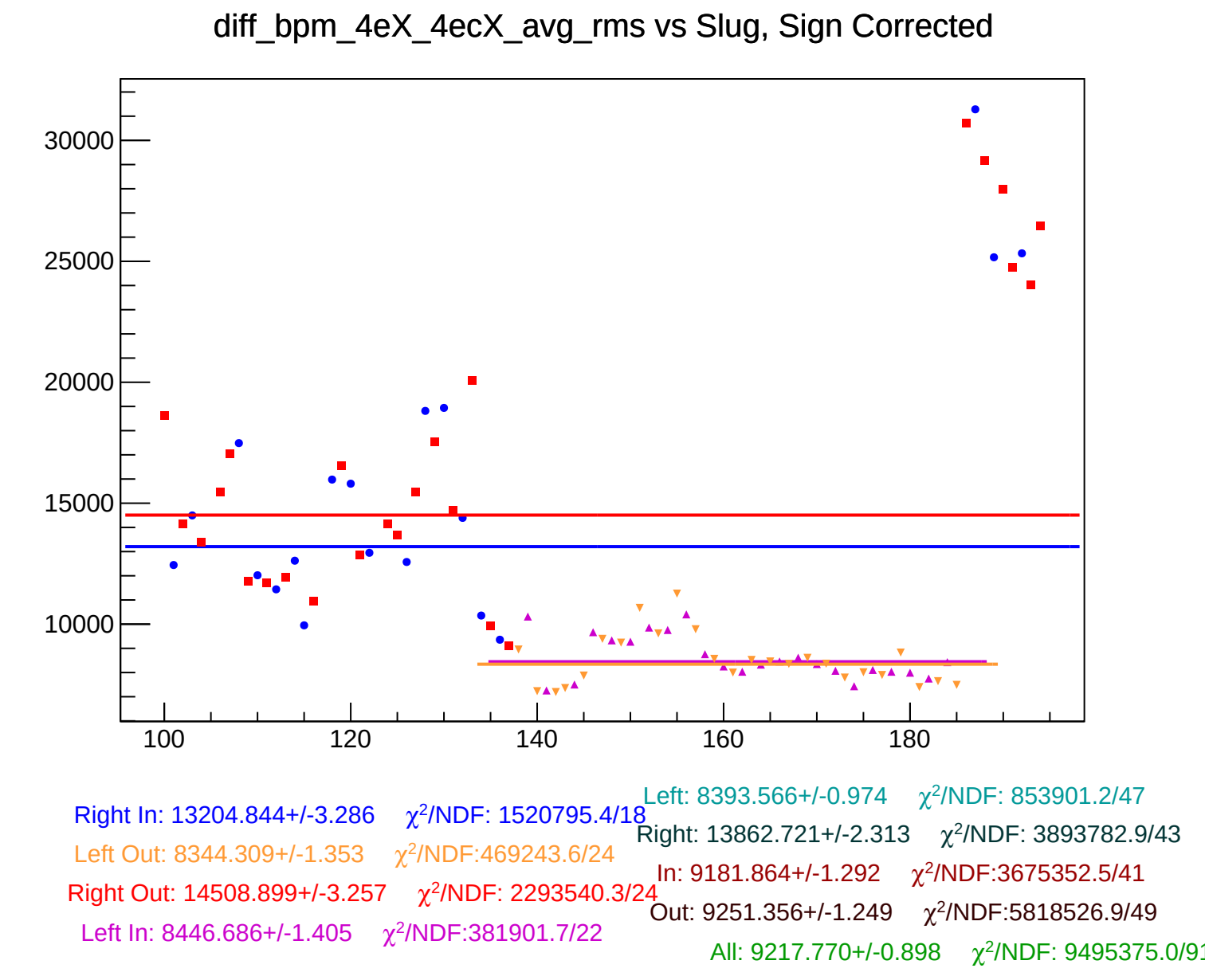
Right: 637.603+/-0.113 χ^2/NDF: 6440839.7/43

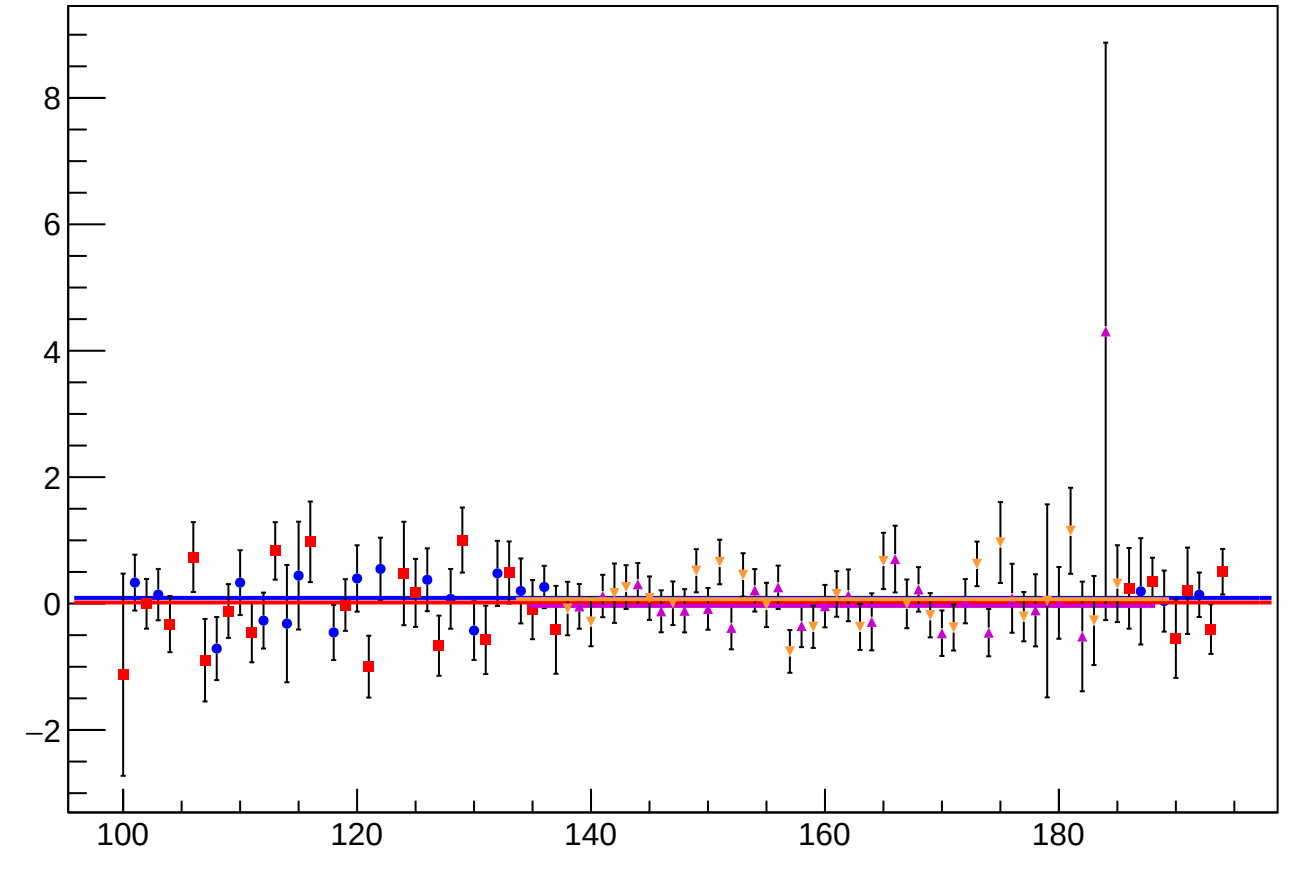
In: 456.576+/-0.066 χ^2/NDF:4939429.5/41

Out: 468.511+/-0.065 χ^2/NDF:5716316.1/49

All: 462.665+/-0.046 χ^2/NDF: 10672512.4/91


diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
120
140
160
180
Right In: -8.026+/-4.647 χ²/NDF: 23.2/18
Left Out: -8.623+/-1.913 χ²/NDF:61.6/24
Right Out: 11.252+/-4.606 χ²/NDF: 18.6/24
Left In: 1.027+/-1.987 χ²/NDF:29.8/22
Left: -3.980+/-1.378 χ²/NDF: 103.6/47
Right: 1.699+/-3.271 χ²/NDF: 50.5/43
In: -0.372+/-1.827 χ²/NDF:56.2/41
Out: -5.698+/-1.767 χ²/NDF:96.1/49
All: -3.124+/-1.270 χ²/NDF: 156.7/91


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
Right In: 13204.844+/-3.286 χ²/NDF: 1520795.4/18
Left Out: 8344.309+/-1.353 χ²/NDF:469243.6/24
Right Out: 14508.899+/-3.257 χ²/NDF: 2293540.3/24
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 13862.721+/-2.313 χ²/NDF: 3893782.9/43
In: 9181.864+/-1.292 χ²/NDF:3675352.5/41
Out: 9251.356+/-1.249 χ²/NDF:5818526.9/49
All: 9217.770+/-0.898 χ²/NDF: 9495375.0/91



Right In: 0.090+/-0.110 χ^2/NDF: 9.4/18

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: 0.017+/-0.100 χ^2/NDF: 29.2/24

Left In: -0.037+/-0.081 χ^2/NDF:11.7/22

Left: 0.017+/-0.057 χ^2/NDF: 40.8/47

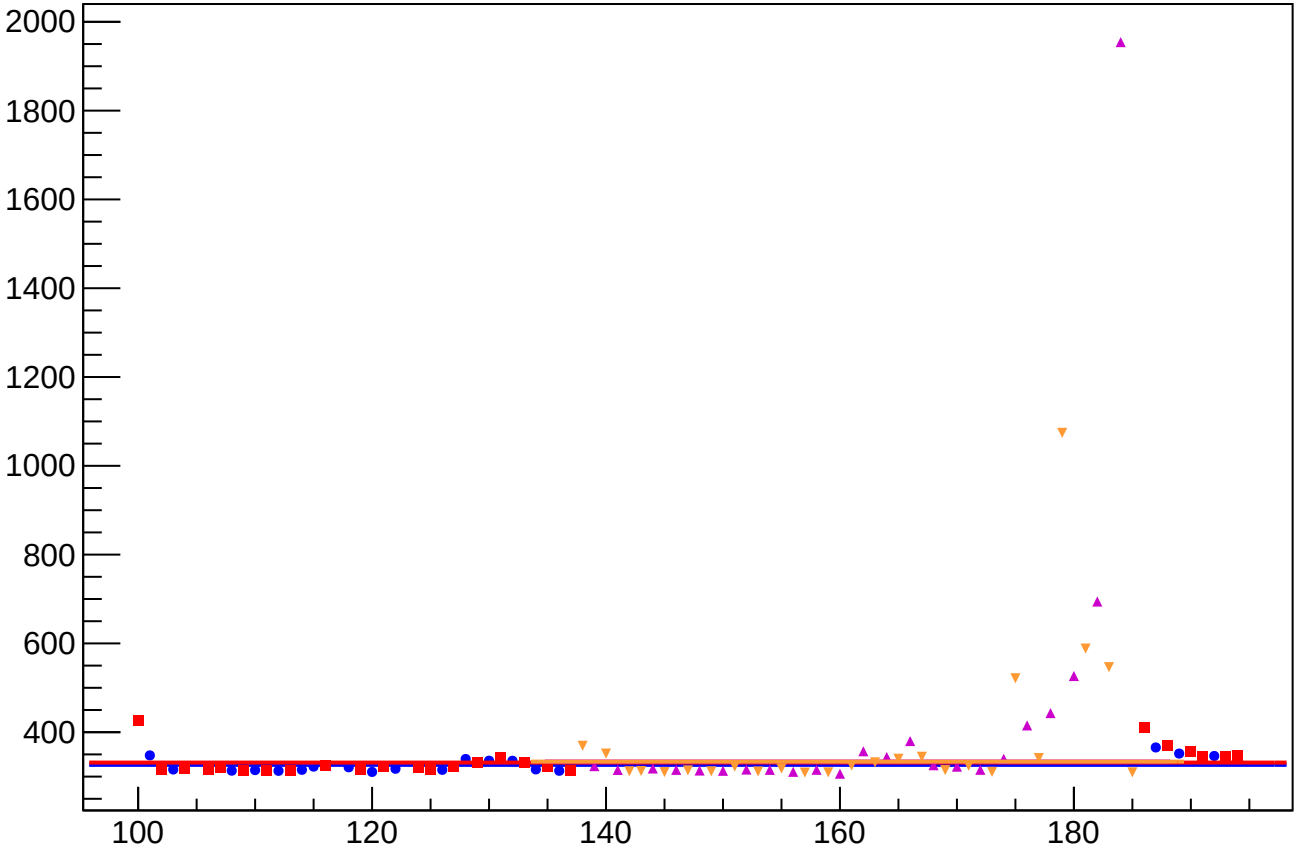
Right: 0.050+/-0.074 χ^2/NDF: 38.8/43

In: 0.007+/-0.065 χ^2/NDF:21.9/41

Out: 0.049+/-0.062 χ^2/NDF:57.6/49

All: 0.029+/-0.045 χ^2/NDF: 79.7/91

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 326.440+/-0.078 χ^2/NDF: 37666.0/18

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 331.599+/-0.070 χ^2/NDF: 93814.1/24

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

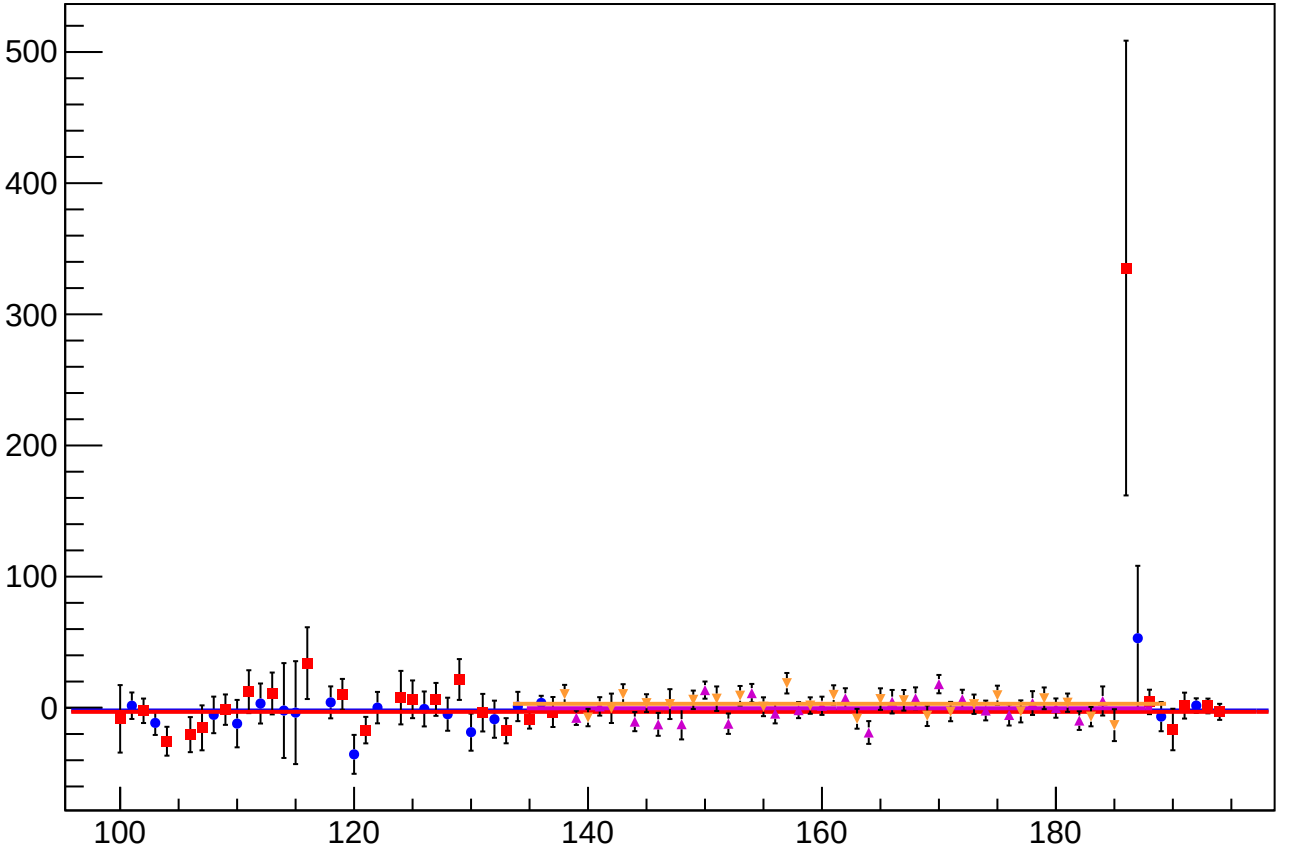
Right: 329.268+/-0.052 χ^2/NDF: 133903.6/43

In: 331.324+/-0.046 χ^2/NDF:1094766.6/41

Out: 332.939+/-0.044 χ^2/NDF:1311661.4/49

All: 332.172+/-0.032 χ^2/NDF: 2407074.2/91

diff_bpm_4aY_4acY_avg_mean vs Slug, Sign Corrected



Right In: -2.061+/-2.509 χ^2/NDF: 11.6/18

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

Right Out: -3.094+/-2.184 χ^2/NDF: 25.9/24

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

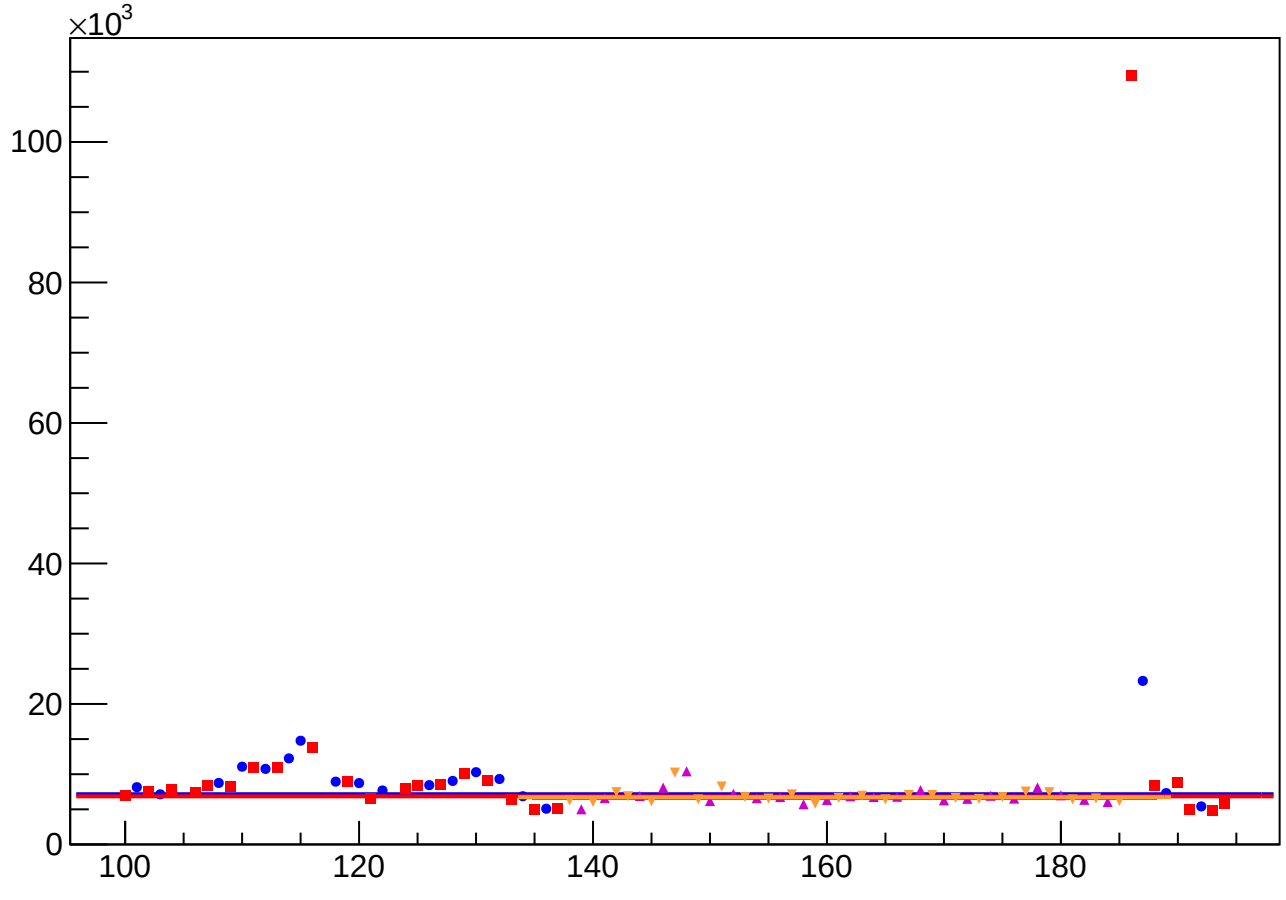
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -2.648+/-1.647 χ^2/NDF: 37.6/43

In: -0.832+/-1.330 χ^2/NDF:45.7/41

Out: 0.989+/-1.259 χ^2/NDF:51.5/49

All: 0.128+/-0.914 χ^2/NDF: 98.1/91



Right In: 7151.619+/-1.774 χ^2/NDF: 1306451.9/18

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6847.702+/-1.544 χ^2/NDF: 2074961.2/24

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

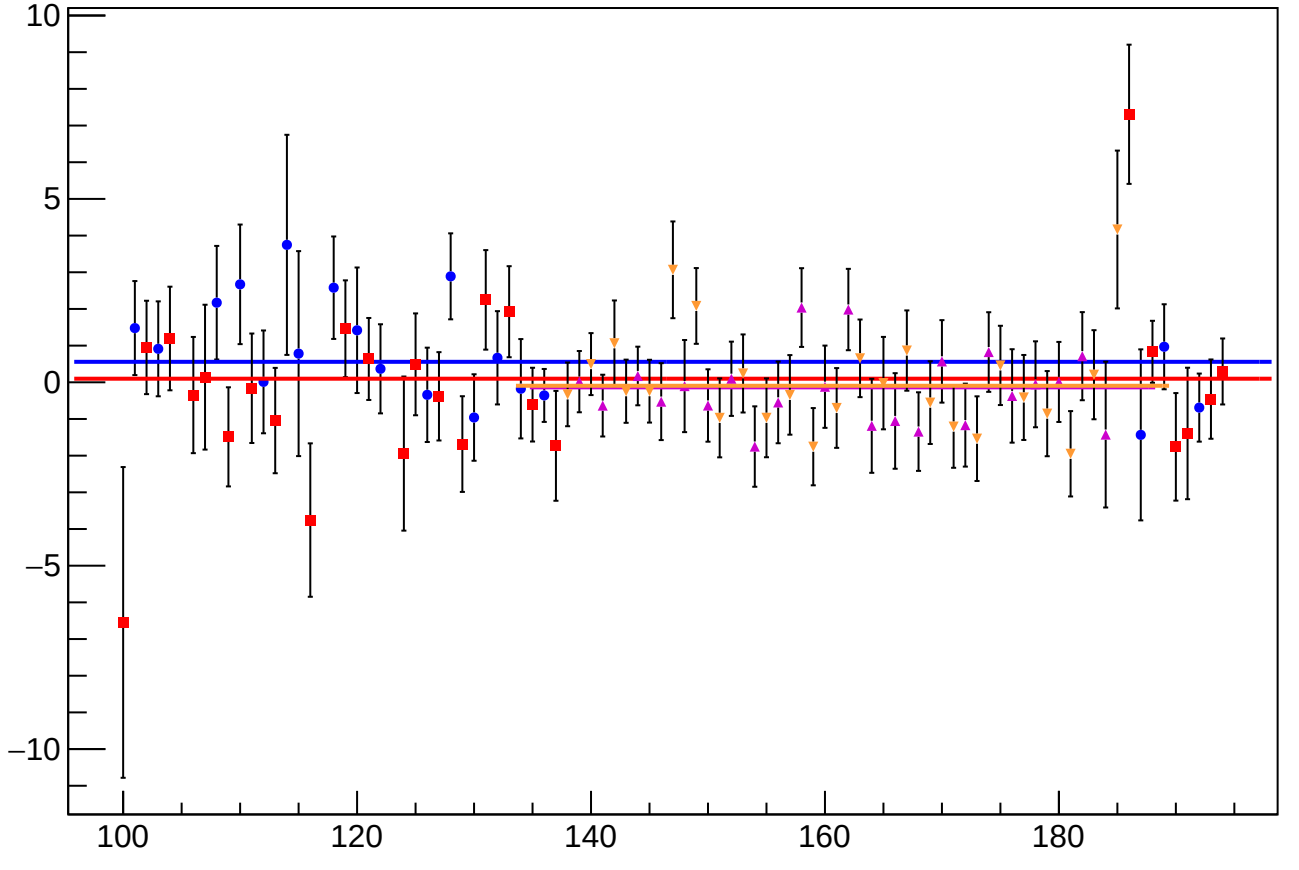
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 6978.739+/-1.165 χ^2/NDF: 3398110.2/43

In: 6778.534+/-0.940 χ^2/NDF:1997463.9/41

Out: 6764.458+/-0.891 χ^2/NDF:2482631.7/49

All: 6771.114+/-0.647 χ^2/NDF: 4480213.7/91



Right In: 0.558+/-0.295 χ^2/NDF: 17.7/18

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: 0.098+/-0.266 χ^2/NDF: 37.8/24

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

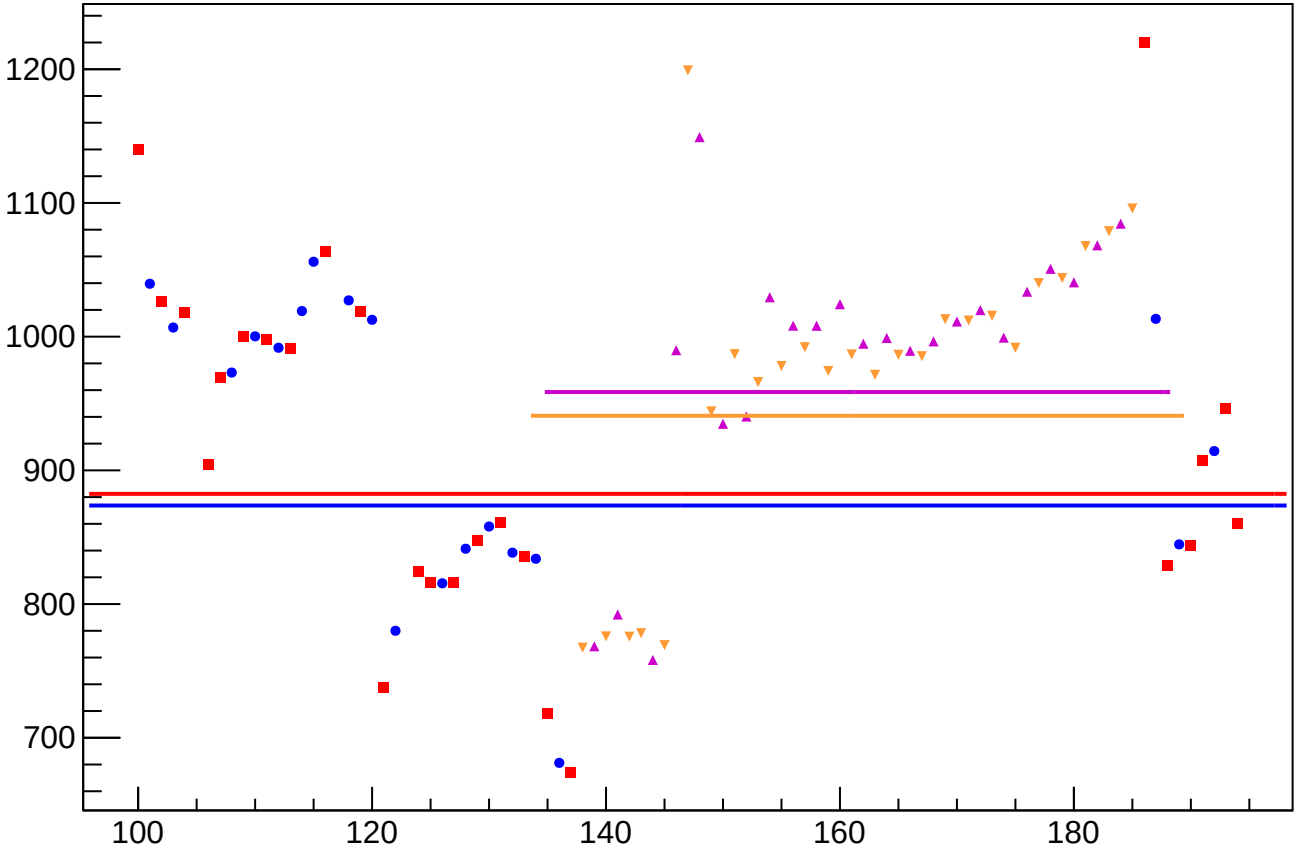
Right: 0.305+/-0.198 χ^2/NDF: 56.9/43

In: 0.119+/-0.179 χ^2/NDF:37.7/41

Out: -0.018+/-0.167 χ^2/NDF:65.5/49

All: 0.046+/-0.122 χ^2/NDF: 103.5/91

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 873.704+/-0.208 χ^2/NDF: 315249.6/18

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 882.422+/-0.188 χ^2/NDF: 354172.1/24

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

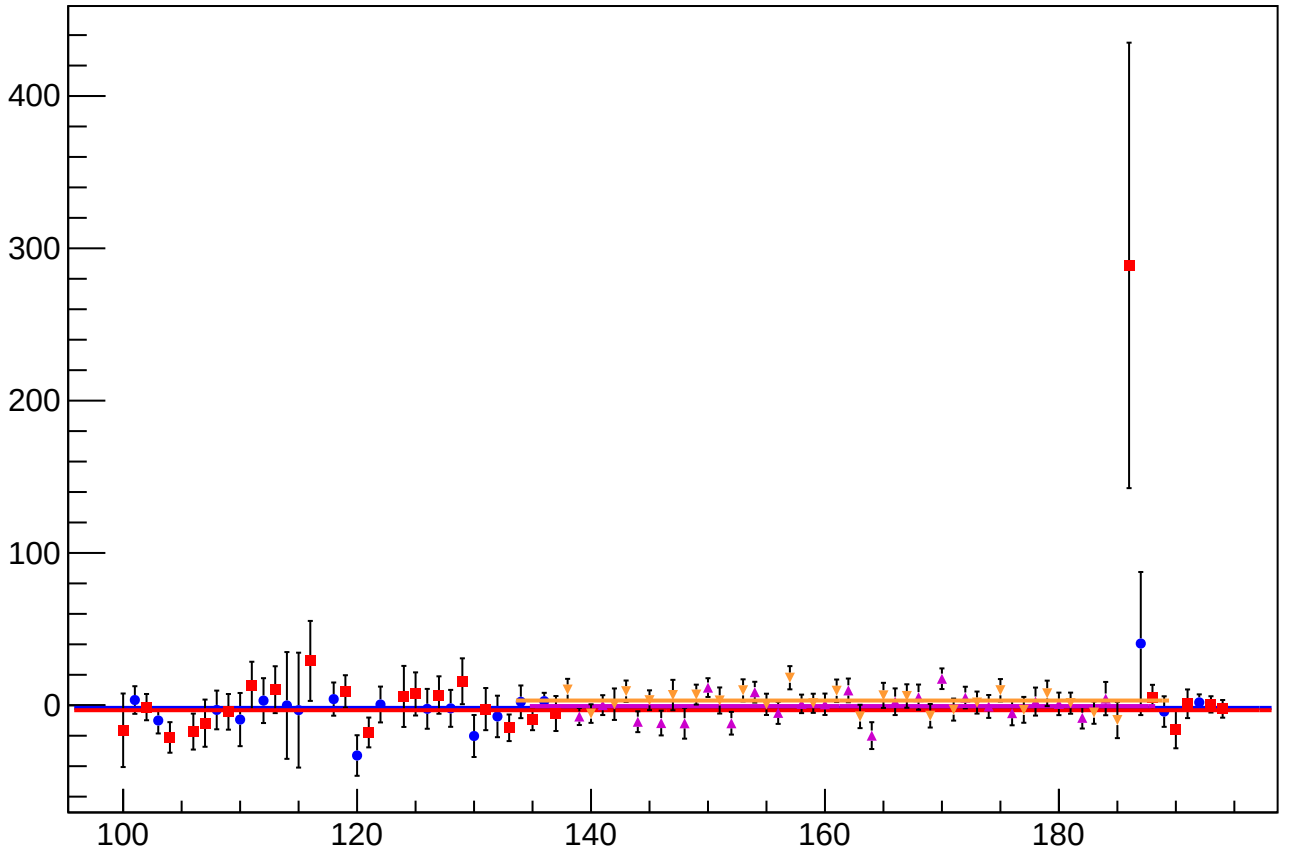
Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

Right: 878.507+/-0.140 χ^2/NDF: 670385.1/43

In: 927.282+/-0.127 χ^2/NDF:876694.3/41

Out: 917.732+/-0.118 χ^2/NDF:981164.2/49

All: 922.188+/-0.086 χ^2/NDF: 1860893.9/91



Right In: -1.723+/-2.392 χ^2/NDF: 11.5/18

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: -3.252+/-2.066 χ^2/NDF: 24.4/24

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

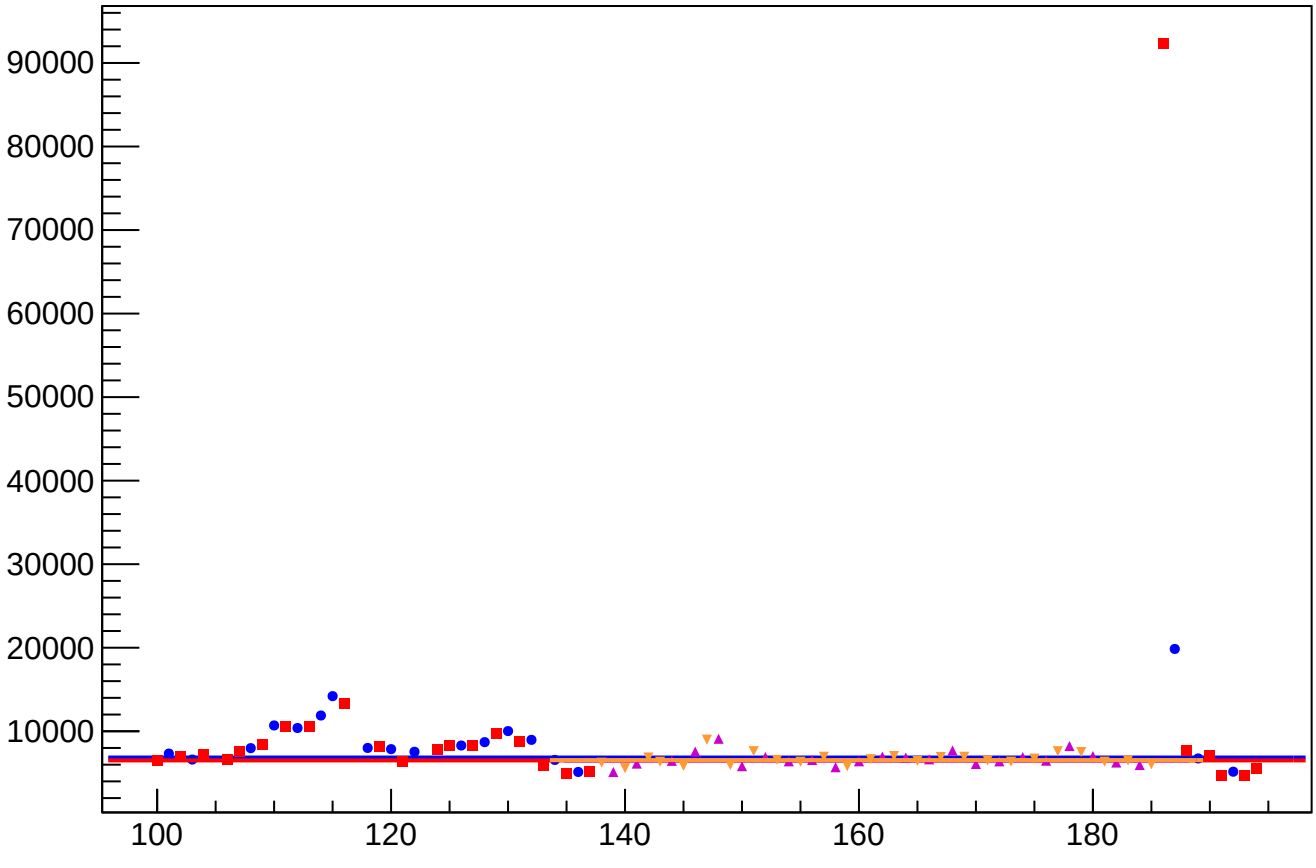
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -2.599+/-1.563 χ^2/NDF: 36.1/43

In: -0.870+/-1.292 χ^2/NDF:43.7/41

Out: 0.906+/-1.214 χ^2/NDF:49.2/49

All: 0.073+/-0.885 χ^2/NDF: 93.9/91



Right In: 6854.980+/-1.691 χ^2/NDF: 1178971.9/18

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6508.764+/-1.461 χ^2/NDF: 1995192.6/24

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

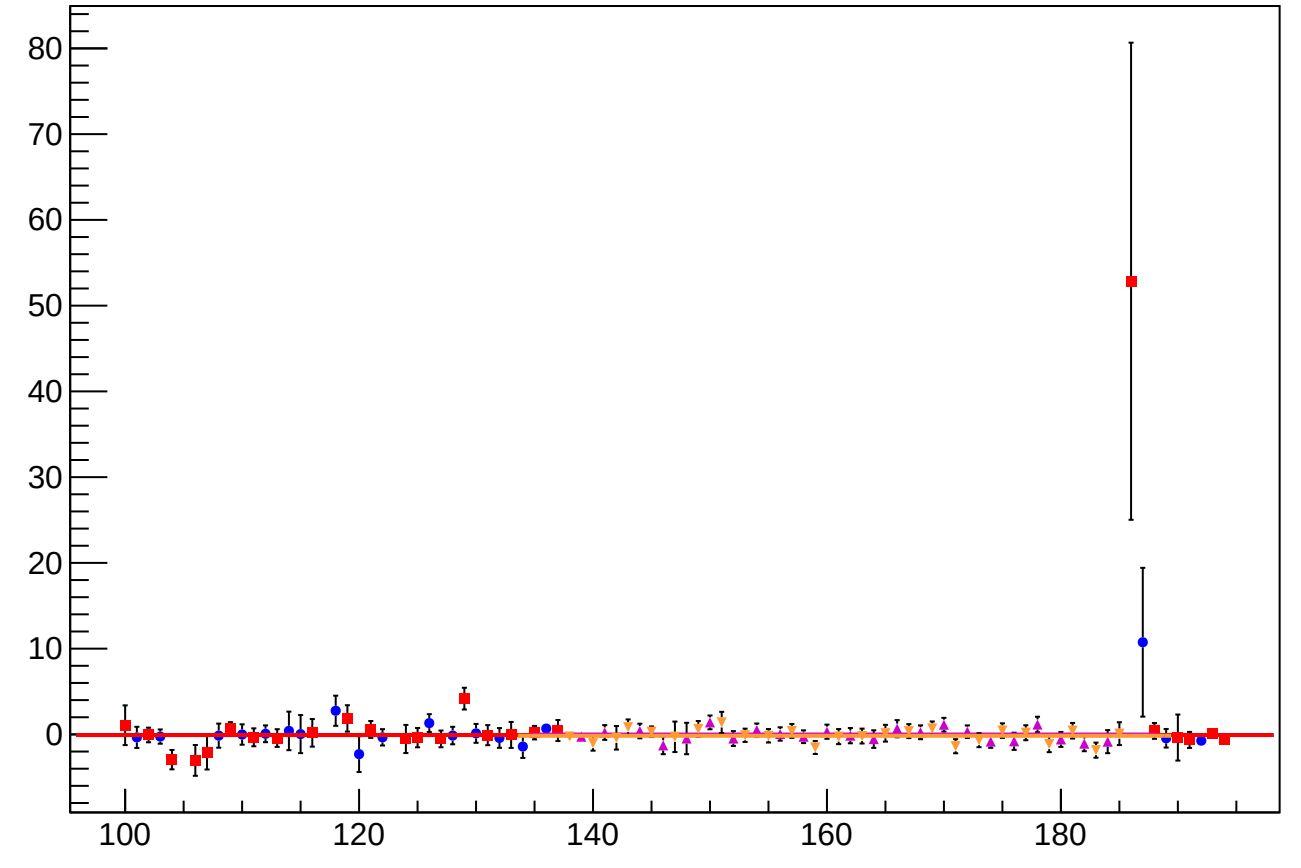
Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

Right: 6656.694+/-1.105 χ^2/NDF: 3198167.5/43

In: 6607.131+/-0.913 χ^2/NDF:1724792.8/41

Out: 6535.039+/-0.858 χ^2/NDF:2361759.2/49

All: 6568.847+/-0.625 χ^2/NDF: 4089860.1/91



Right In: -0.071+/-0.237 χ^2/NDF: 11.8/18

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: -0.076+/-0.207 χ^2/NDF: 30.8/24

Left In: -0.017+/-0.169 χ^2/NDF:15.2/22

Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

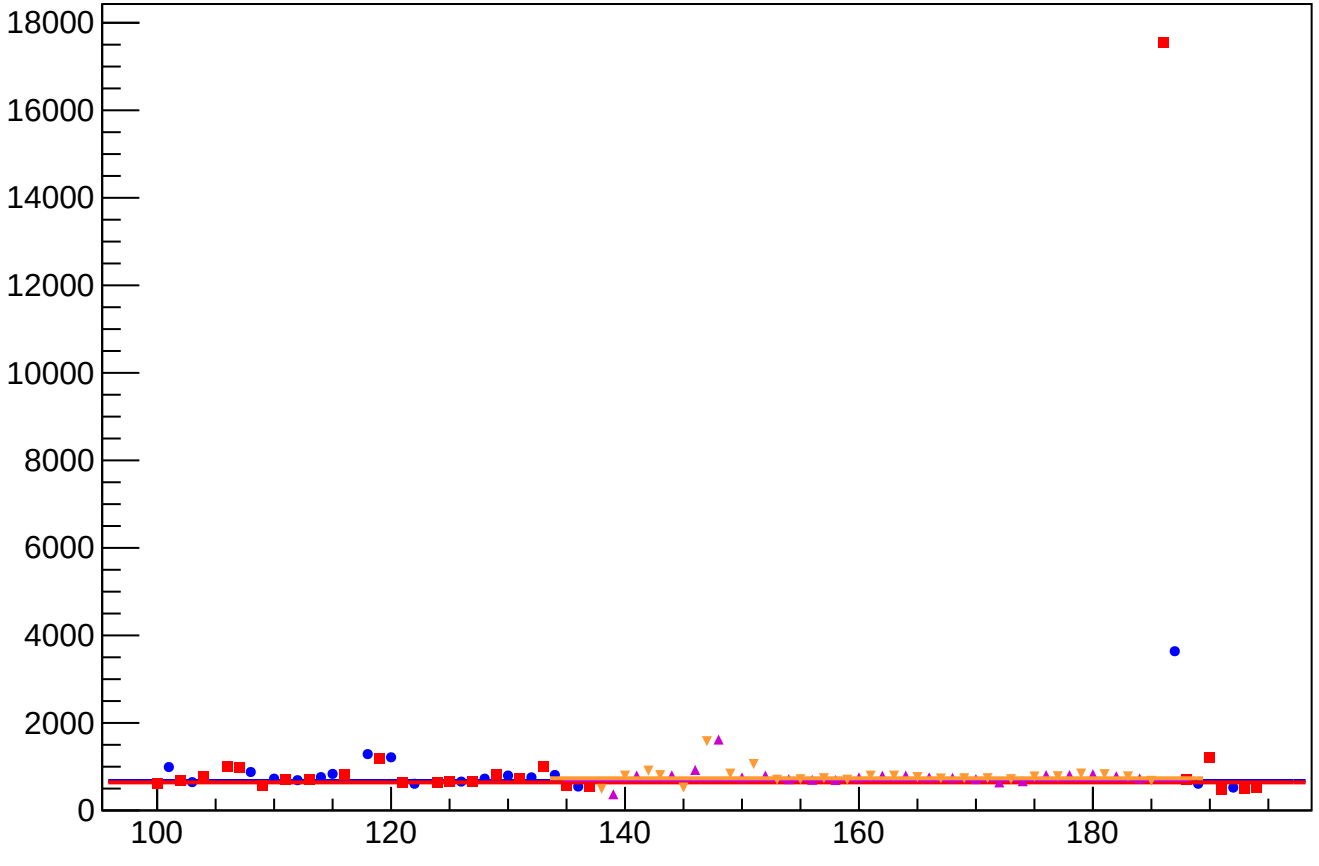
Right: -0.074+/-0.156 χ^2/NDF: 42.6/43

In: -0.035+/-0.138 χ^2/NDF:27.1/41

Out: -0.127+/-0.132 χ^2/NDF:49.8/49

All: -0.083+/-0.095 χ^2/NDF: 77.1/91

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 672.863+/-0.168 χ^2/NDF: 1144368.9/18

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 641.533+/-0.146 χ^2/NDF: 1792334.5/24

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

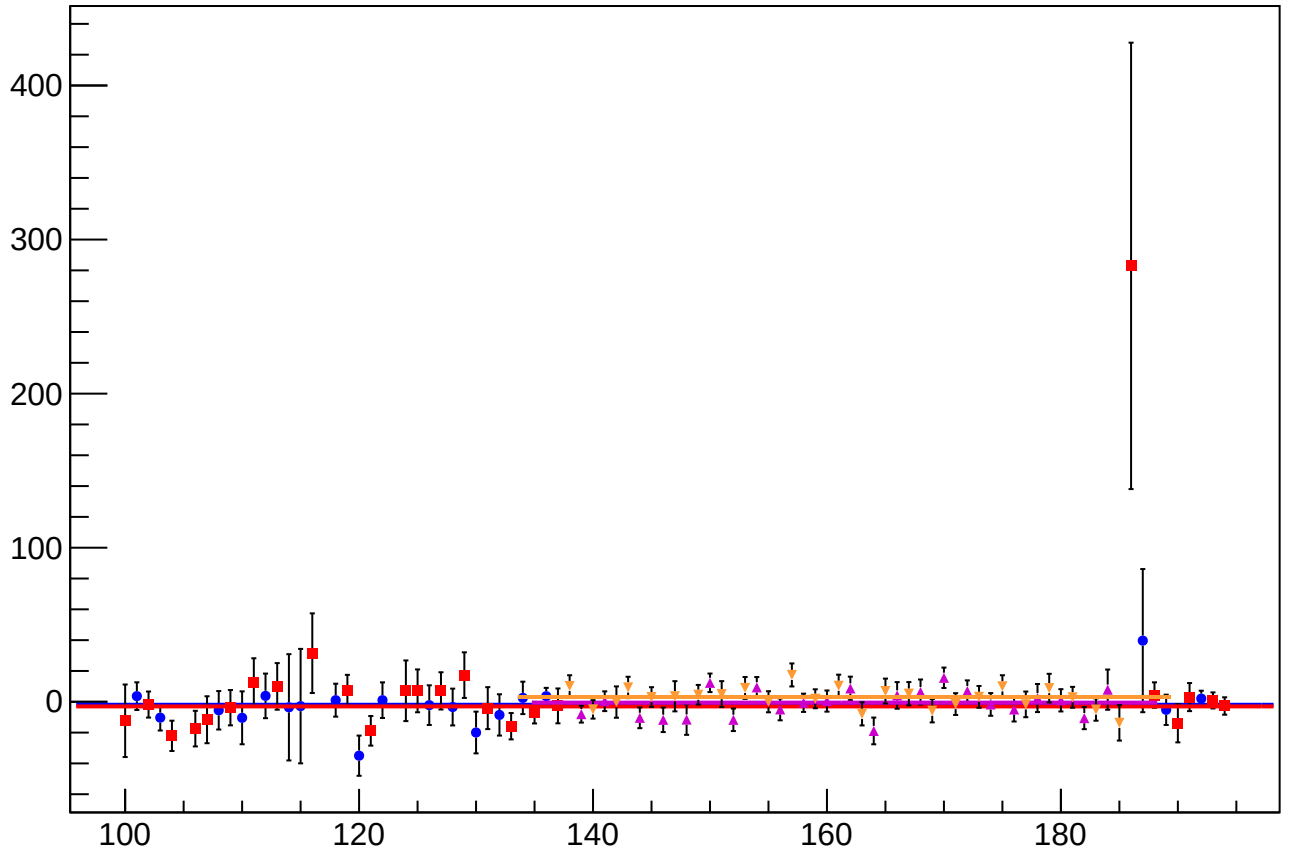
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 655.101+/-0.110 χ^2/NDF: 2956518.0/43

In: 686.970+/-0.097 χ^2/NDF:3380157.6/41

Out: 696.815+/-0.094 χ^2/NDF:3372892.8/49

All: 692.084+/-0.067 χ^2/NDF: 6758365.2/91



Right In: -1.942+/-2.348 χ^2/NDF: 13.2/18

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: -3.013+/-2.026 χ^2/NDF: 25.5/24

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

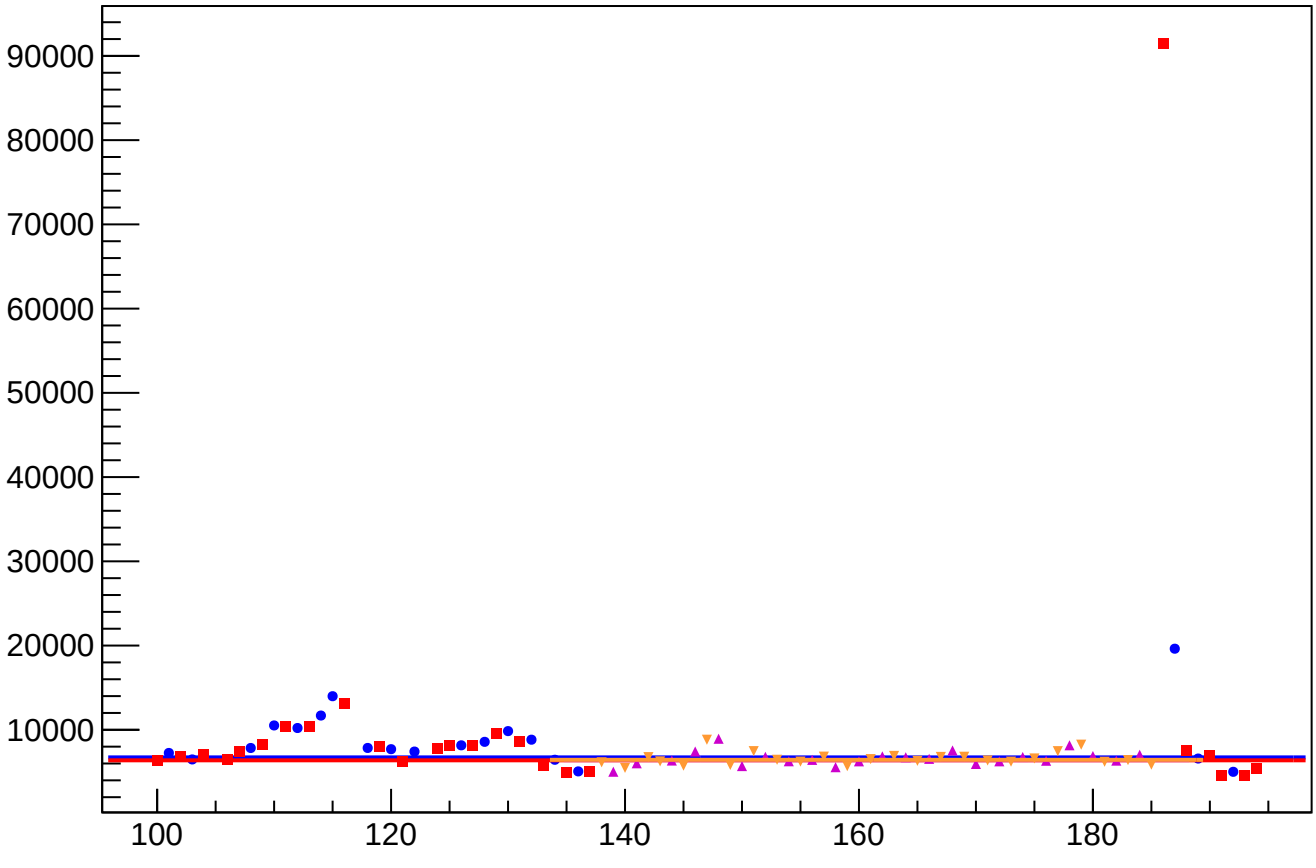
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -2.556+/-1.534 χ^2/NDF: 38.8/43

In: -0.958+/-1.272 χ^2/NDF:47.1/41

Out: 0.988+/-1.193 χ^2/NDF:50.2/49

All: 0.077+/-0.870 χ^2/NDF: 98.5/91



Right In: 6724.430+/-1.661 χ^2/NDF: 1193340.3/18

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6377.661+/-1.433 χ^2/NDF: 2008030.0/24

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

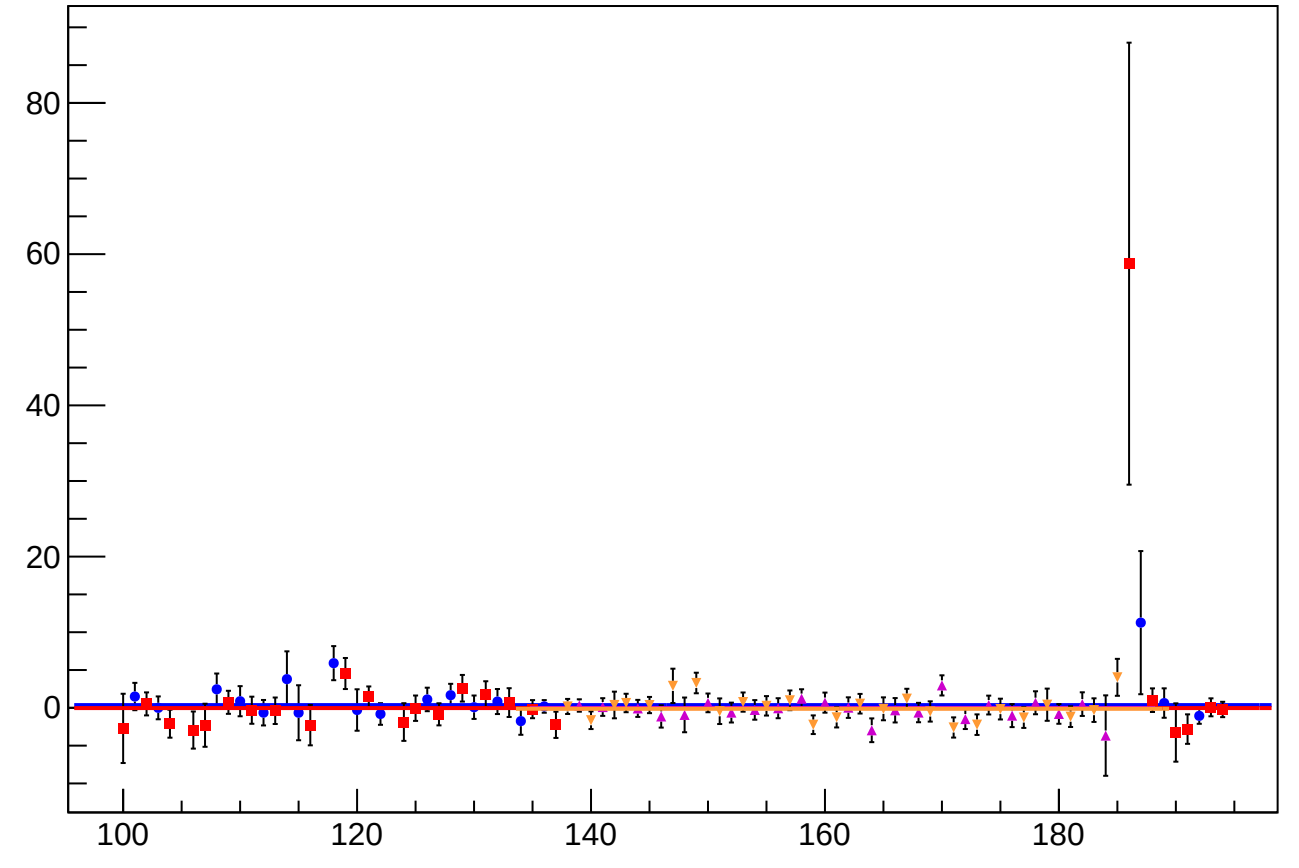
Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

Right: 6525.644+/-1.085 χ^2/NDF: 3226368.2/43

In: 6498.808+/-0.899 χ^2/NDF:1744536.6/41

Out: 6415.355+/-0.844 χ^2/NDF:2426407.9/49

All: 6454.429+/-0.615 χ^2/NDF: 4175525.6/91



Right In: 0.361+/-0.375 χ^2/NDF: 15.3/18

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: -0.034+/-0.345 χ^2/NDF: 24.2/24

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

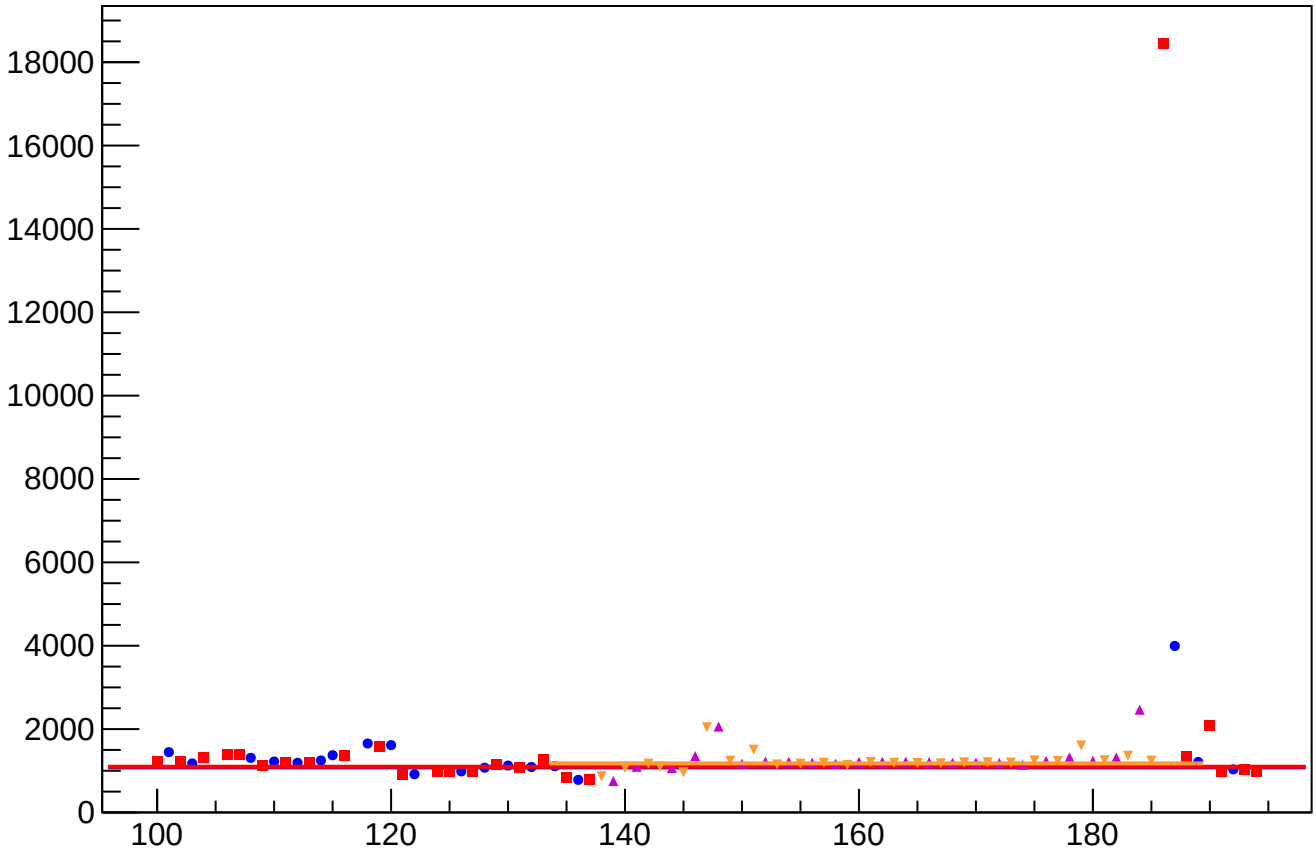
Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

Right: 0.147+/-0.254 χ^2/NDF: 40.1/43

In: 0.110+/-0.224 χ^2/NDF:30.5/41

Out: -0.088+/-0.214 χ^2/NDF:51.2/49

All: 0.006+/-0.155 χ^2/NDF: 82.1/91



Right In: 1081.200+/-0.265 χ^2/NDF: 849146.4/18

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 1097.088+/-0.244 χ^2/NDF: 1412332.9/24

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

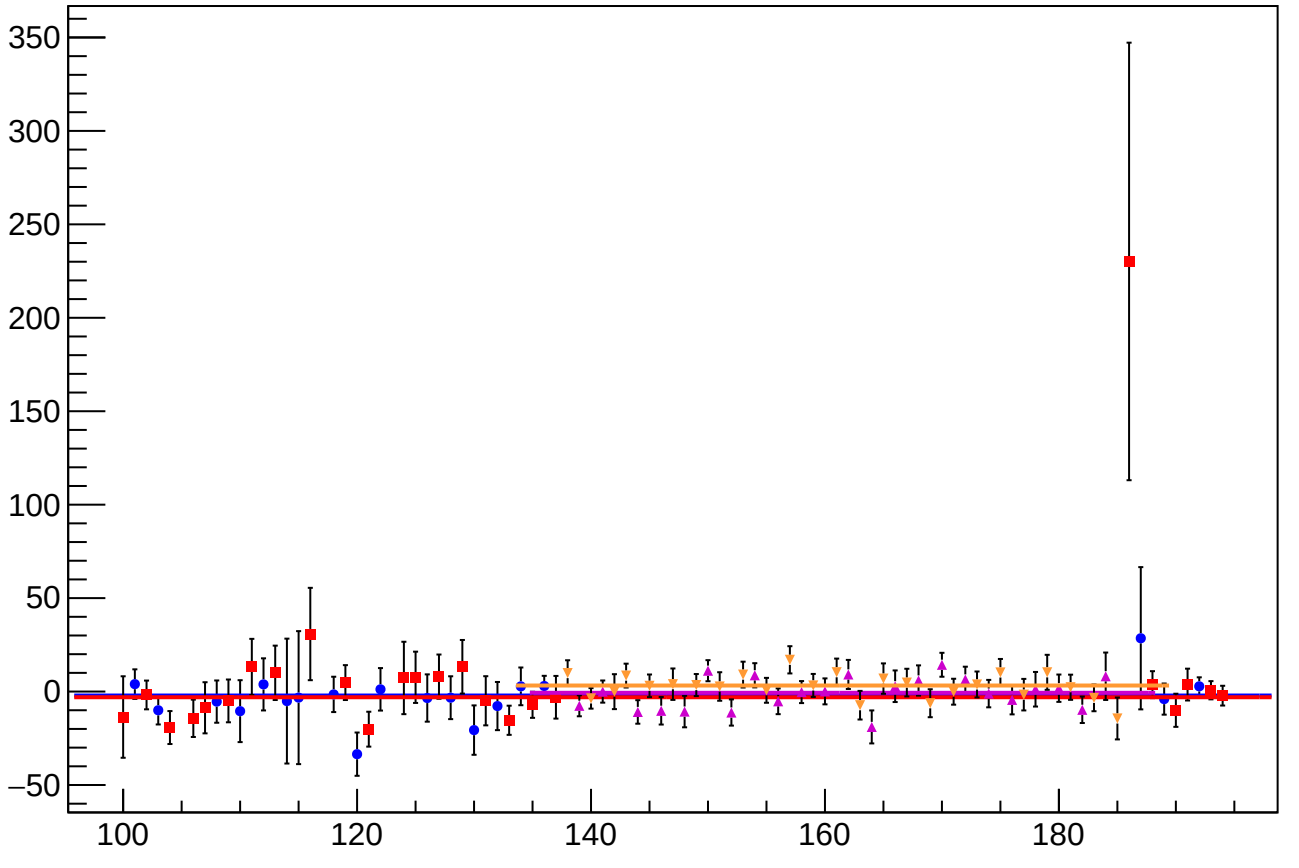
Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

Right: 1089.807+/-0.180 χ^2/NDF: 2263423.2/43

In: 1134.453+/-0.158 χ^2/NDF:1963901.5/41

Out: 1146.631+/-0.152 χ^2/NDF:2280382.8/49

All: 1140.803+/-0.109 χ^2/NDF: 4247376.2/91



Right In: -2.124+/-2.207 χ^2/NDF: 14.7/18

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: -3.043+/-1.881 χ^2/NDF: 25.6/24

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

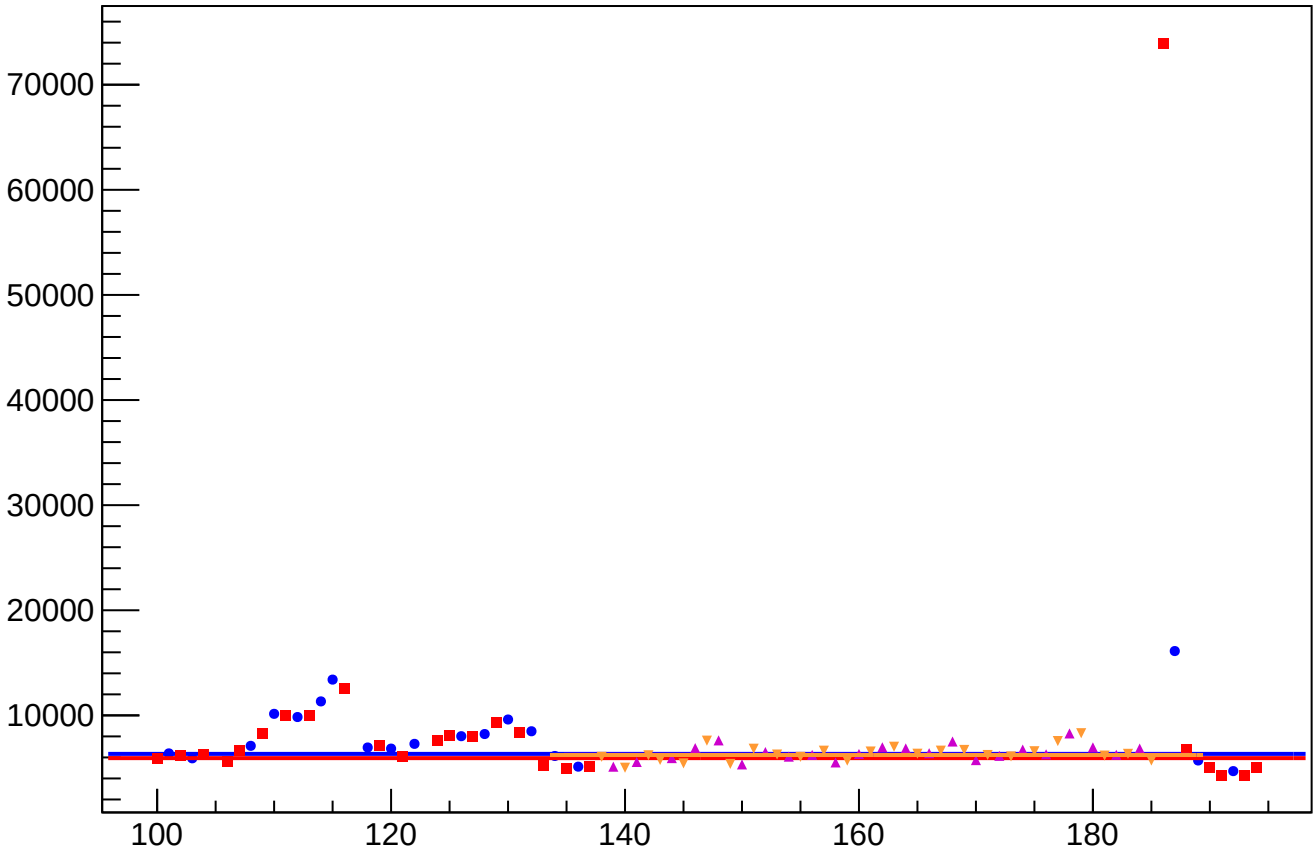
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -2.656+/-1.432 χ^2/NDF: 40.4/43

In: -1.116+/-1.226 χ^2/NDF:47.3/41

Out: 0.936+/-1.138 χ^2/NDF:50.6/49

All: -0.014+/-0.834 χ^2/NDF: 99.4/91



Right In: 6337.470+/-1.561 χ^2/NDF: 1140841.4/18

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5932.837+/-1.330 χ^2/NDF: 2030453.6/24

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

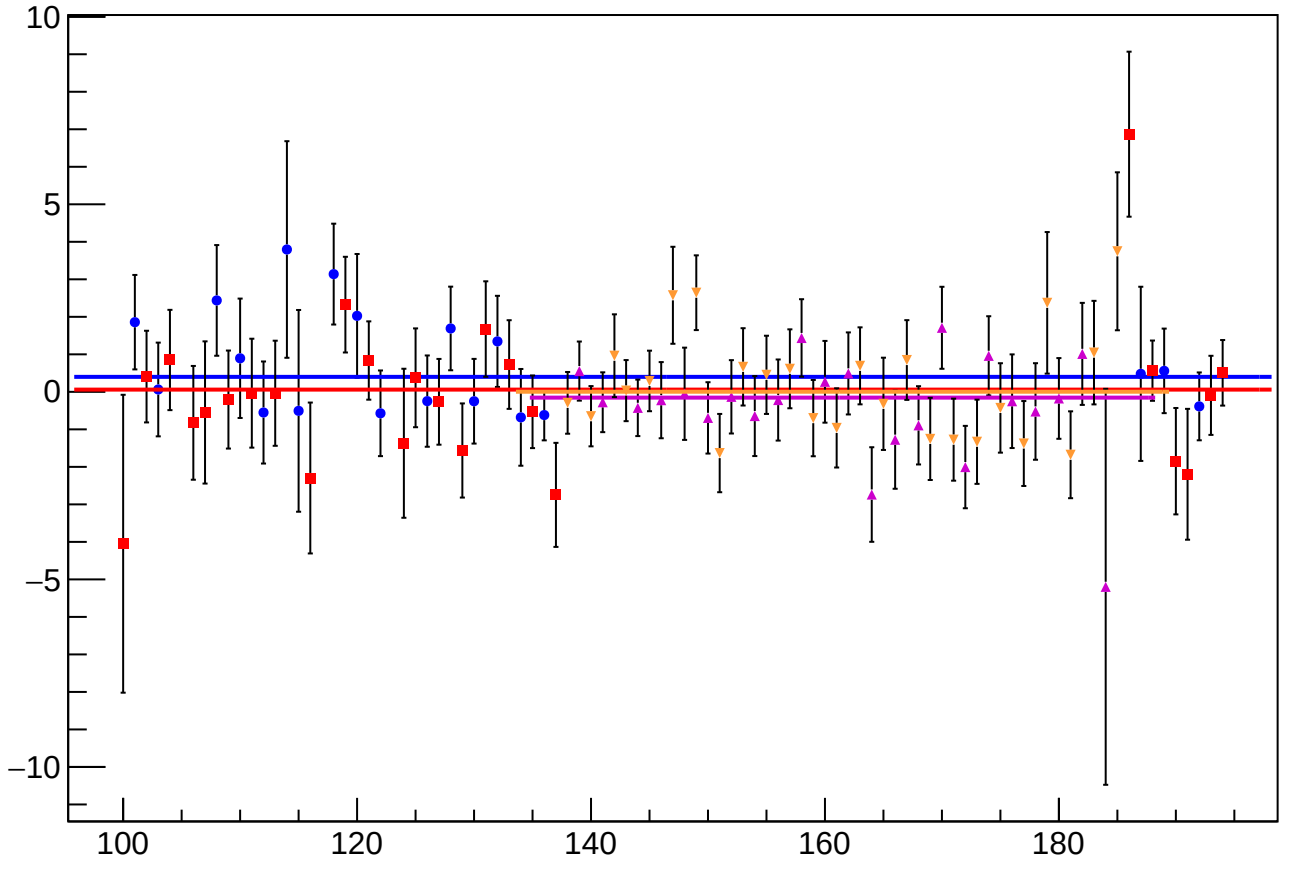
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 6103.068+/-1.012 χ^2/NDF: 3210228.0/43

In: 6274.755+/-0.867 χ^2/NDF:1628158.5/41

Out: 6120.350+/-0.805 χ^2/NDF:2532657.9/49

All: 6191.849+/-0.590 χ^2/NDF: 4177859.7/91



Right In: 0.399+/-0.282 χ^2/NDF: 17.6/18

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: 0.060+/-0.256 χ^2/NDF: 29.5/24

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

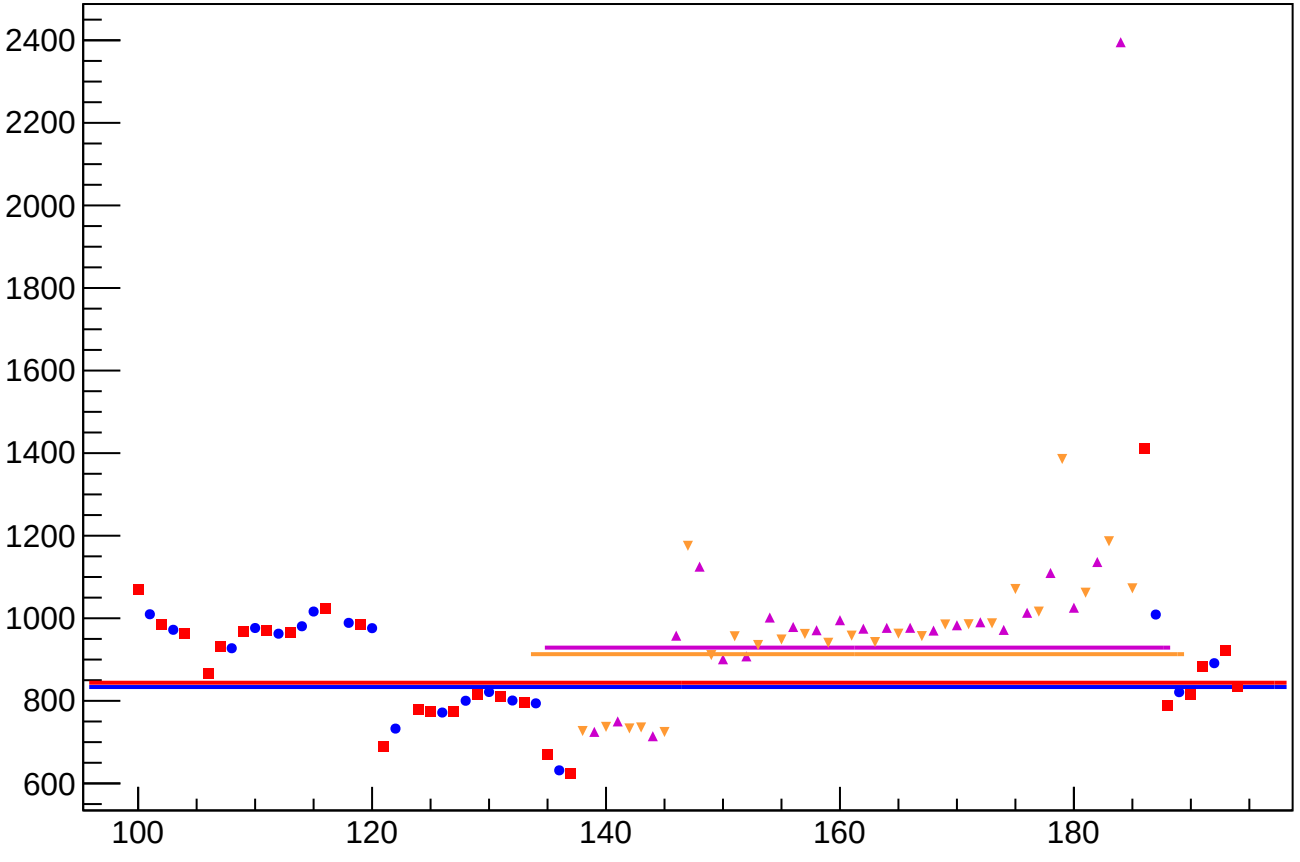
Right: 0.213+/-0.190 χ^2/NDF: 47.9/43

In: 0.056+/-0.174 χ^2/NDF:38.4/41

Out: 0.026+/-0.163 χ^2/NDF:61.2/49

All: 0.040+/-0.119 χ^2/NDF: 99.6/91

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 833.452+/-0.200 χ^2/NDF: 386984.1/18

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 843.894+/-0.181 χ^2/NDF: 477064.7/24

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

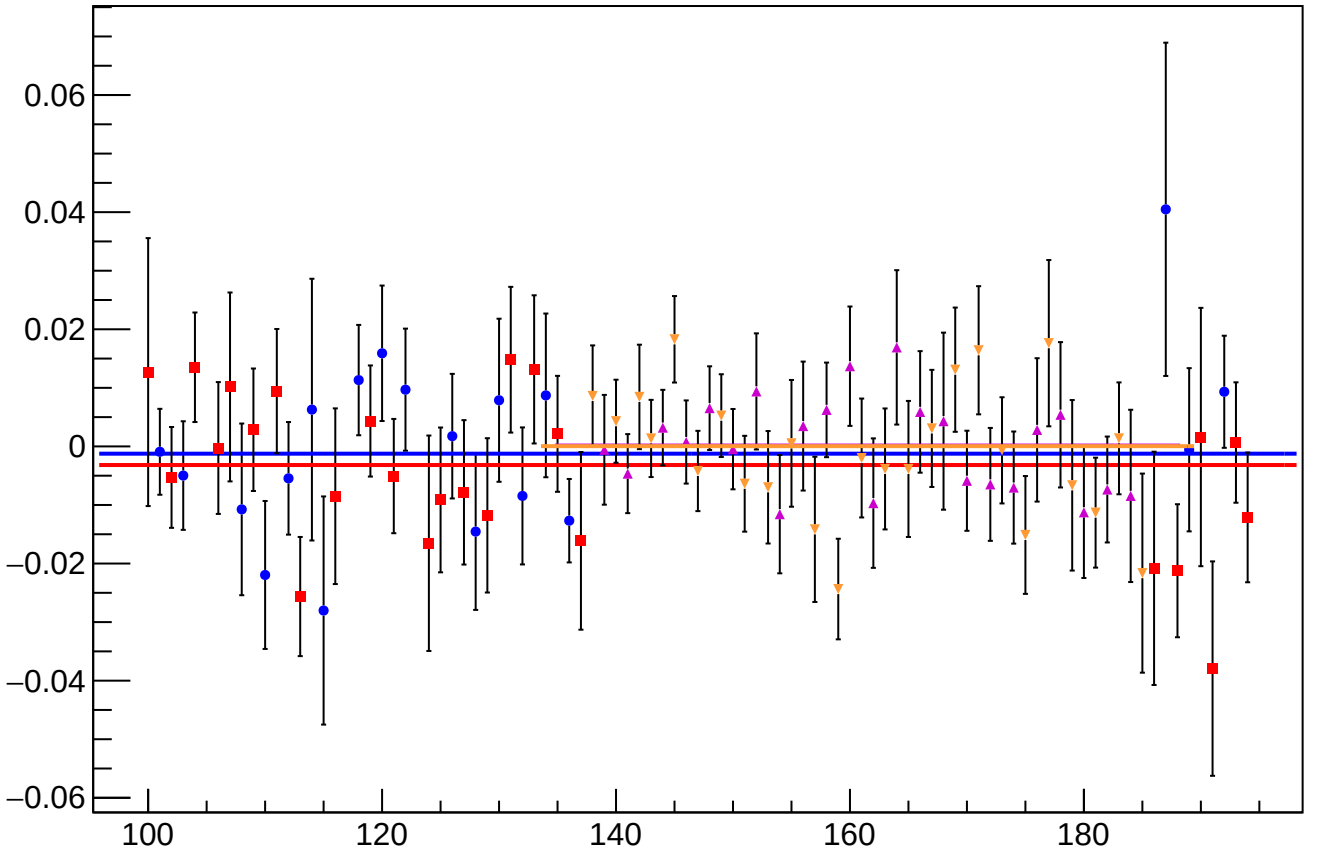
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 839.188+/-0.134 χ^2/NDF: 865552.0/43

In: 892.626+/-0.123 χ^2/NDF:1297809.6/41

Out: 884.901+/-0.115 χ^2/NDF:1453042.1/49

All: 888.514+/-0.084 χ^2/NDF: 2752948.4/91



Right In: -0.001+/-0.003 χ^2/NDF: 18.9/18

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: -0.003+/-0.002 χ^2/NDF: 25.7/24

Left In: 0.000+/-0.002 χ^2/NDF:12.8/22

Left: 0.000+/-0.001 χ^2/NDF: 43.9/47

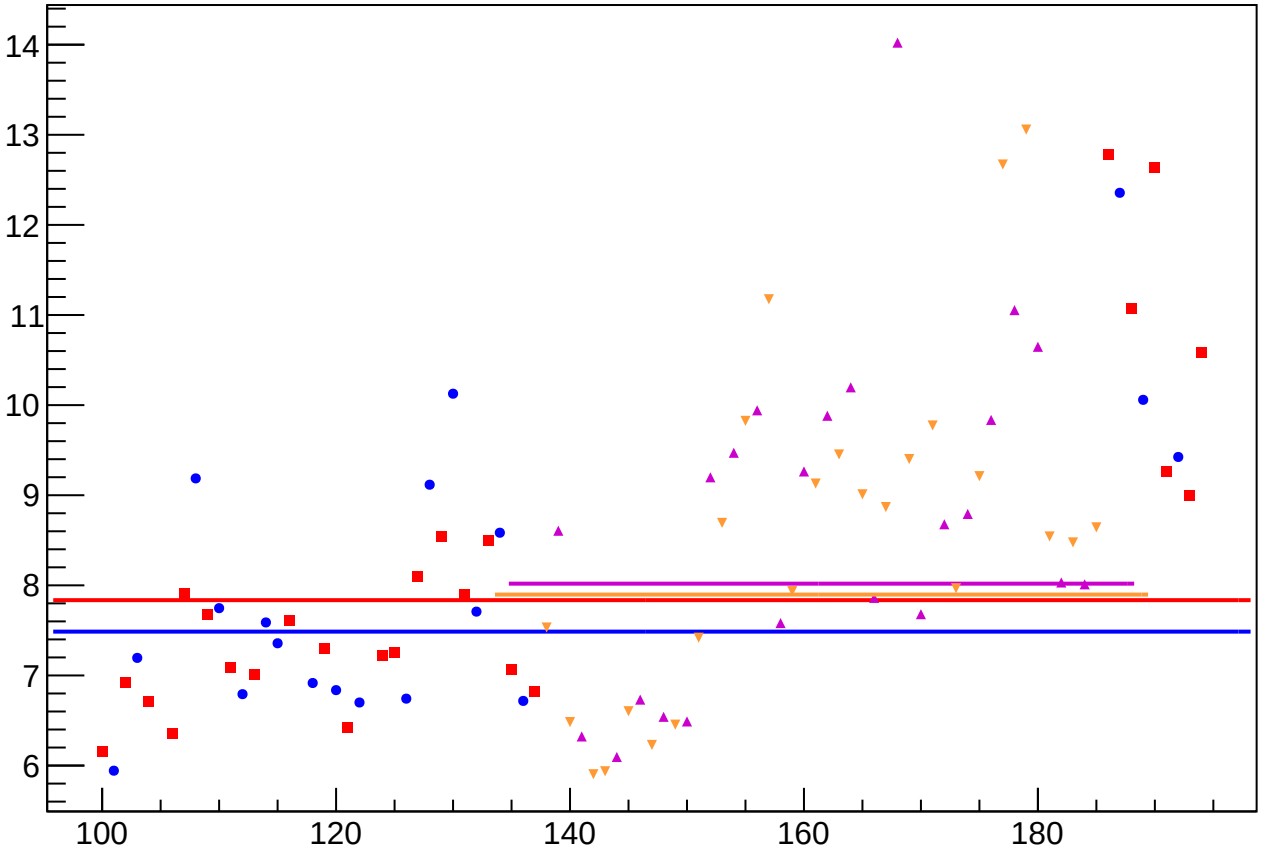
Right: -0.002+/-0.002 χ^2/NDF: 44.9/43

In: -0.000+/-0.002 χ^2/NDF:31.9/41

Out: -0.001+/-0.001 χ^2/NDF:58.0/49

All: -0.001+/-0.001 χ^2/NDF: 90.0/91

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.486+/-0.002 χ^2/NDF: 510370.2/18

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

Right Out: 7.836+/-0.002 χ^2/NDF: 749299.8/24

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

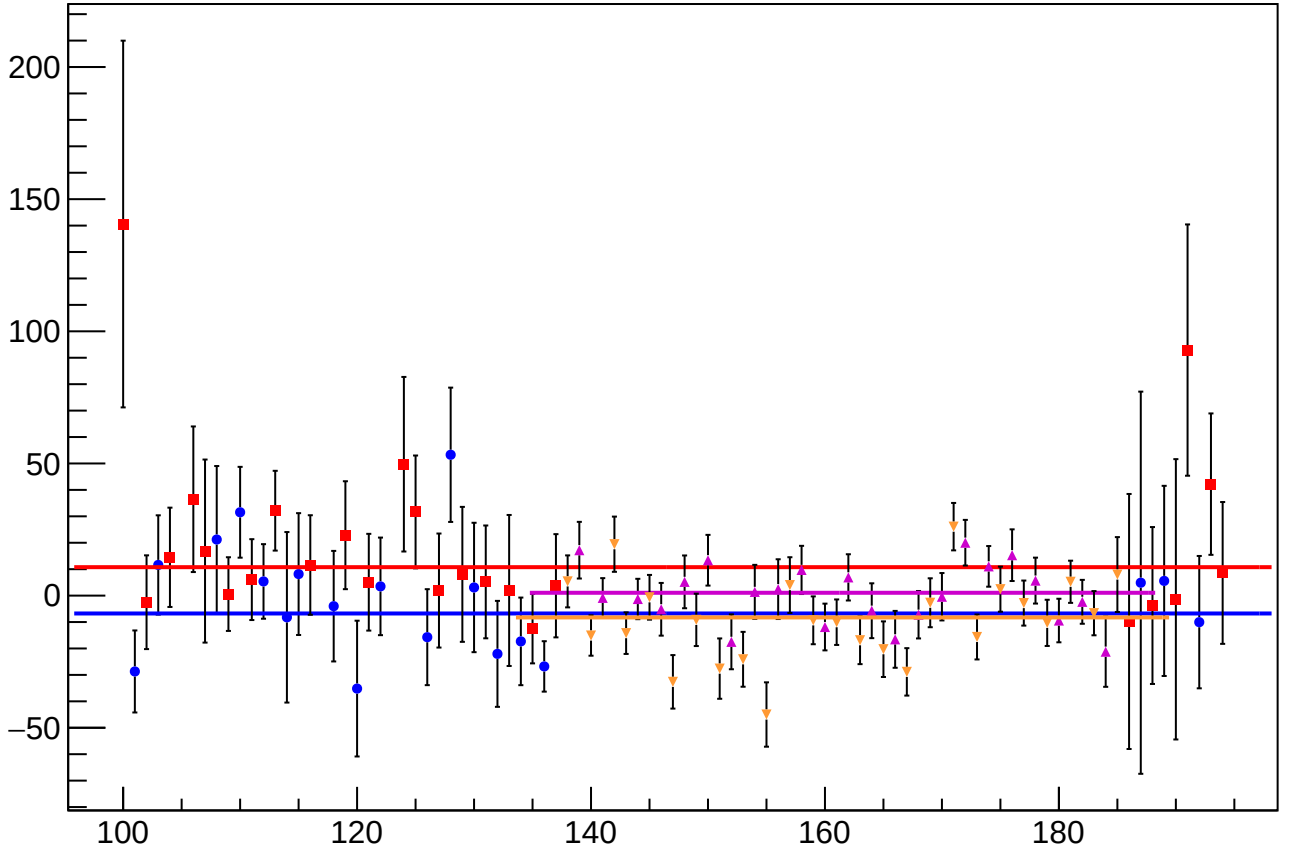
Right: 7.672+/-0.001 χ^2/NDF: 1279574.9/43

In: 7.827+/-0.001 χ^2/NDF:2021729.9/41

Out: 7.874+/-0.001 χ^2/NDF:2341006.9/49

All: 7.852+/-0.001 χ^2/NDF: 4363750.0/91

diff_targ_positionX_mean vs Slug, Sign Corrected



Right In: -6.760+/-4.377 χ^2/NDF: 23.2/18

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: 10.762+/-4.297 χ^2/NDF: 18.9/24

Left In: 1.072+/-1.921 χ^2/NDF:28.8/22

Left: -3.769+/-1.332 χ^2/NDF: 103.2/47

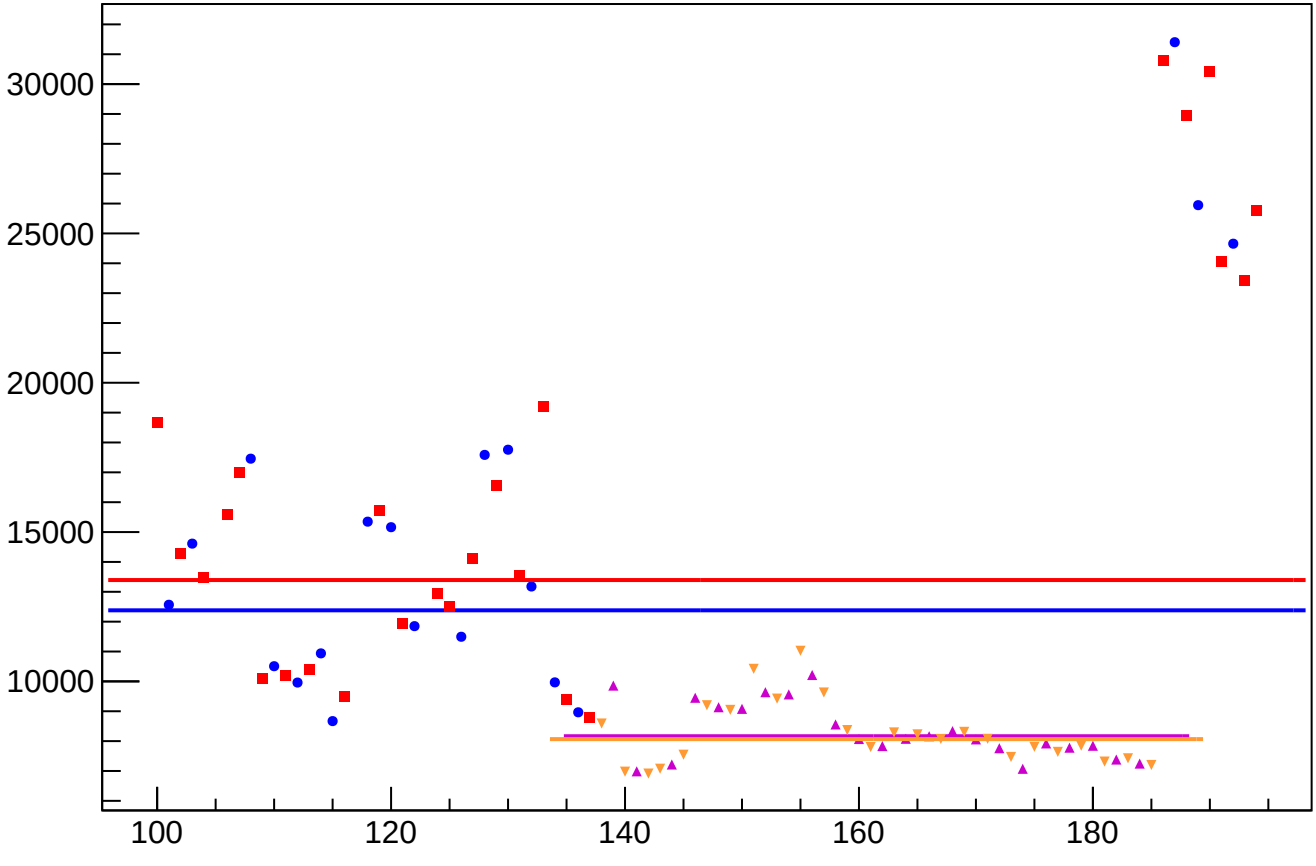
Right: 2.162+/-3.066 χ^2/NDF: 50.2/43

In: -0.193+/-1.759 χ^2/NDF:54.7/41

Out: -5.284+/-1.699 χ^2/NDF:97.6/49

All: -2.827+/-1.222 χ^2/NDF: 156.6/91

diff_targ_positionX_rms vs Slug, Sign Corrected



Right In: 12379.561+/-3.095 χ^2/NDF: 1689609.8/18

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

Right Out: 13393.598+/-3.039 χ^2/NDF: 2691441.3/24

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

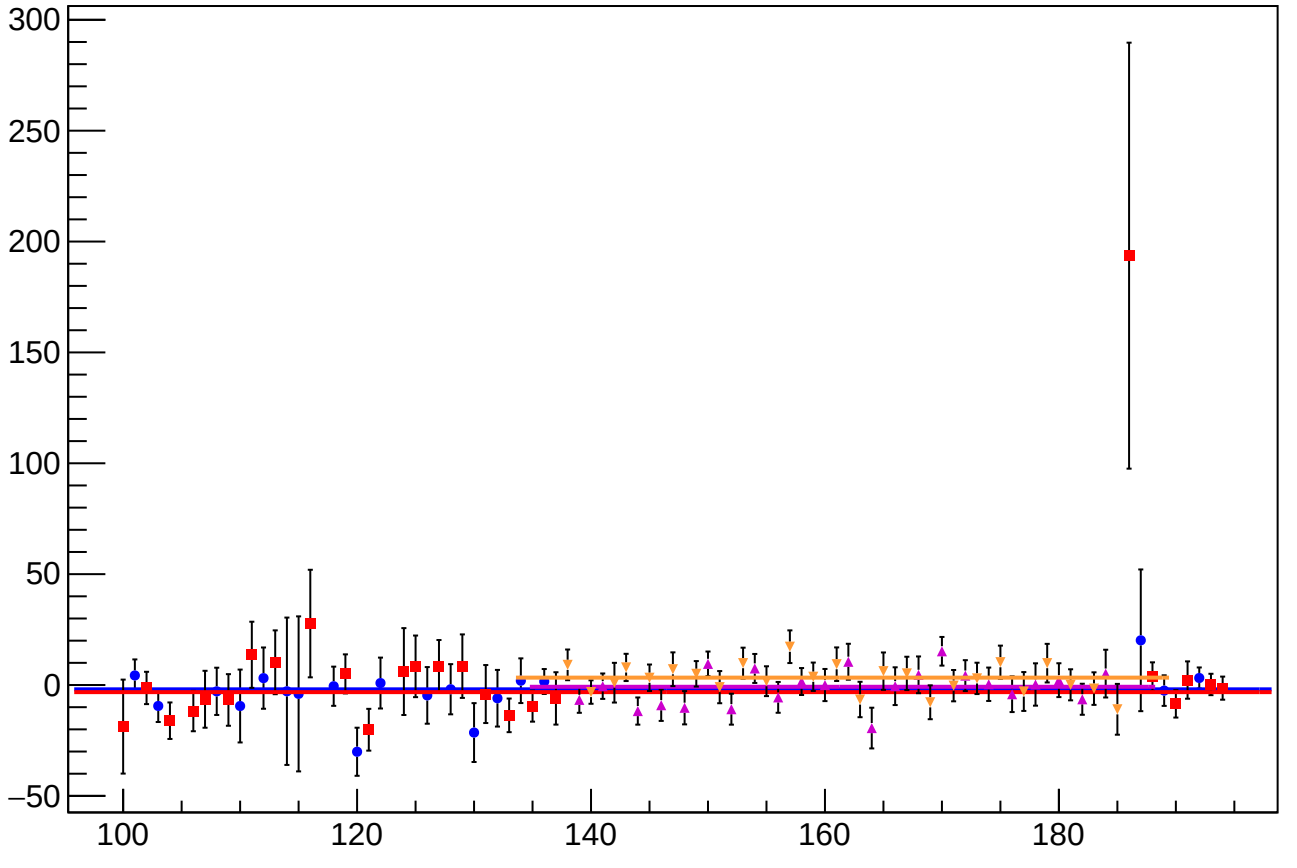
Left: 8113.259+/-0.942 χ^2/NDF: 933130.1/47

Right: 12895.897+/-2.168 χ^2/NDF: 4435711.6/43

In: 8844.324+/-1.244 χ^2/NDF:3677982.2/41

Out: 8899.180+/-1.201 χ^2/NDF:5782564.9/49

All: 8872.706+/-0.864 χ^2/NDF: 9461553.6/91



Right In: -1.948+/-2.131 χ^2/NDF: 13.5/18

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: -3.210+/-1.792 χ^2/NDF: 24.5/24

Left In: -0.797+/-1.479 χ^2/NDF:29.4/22

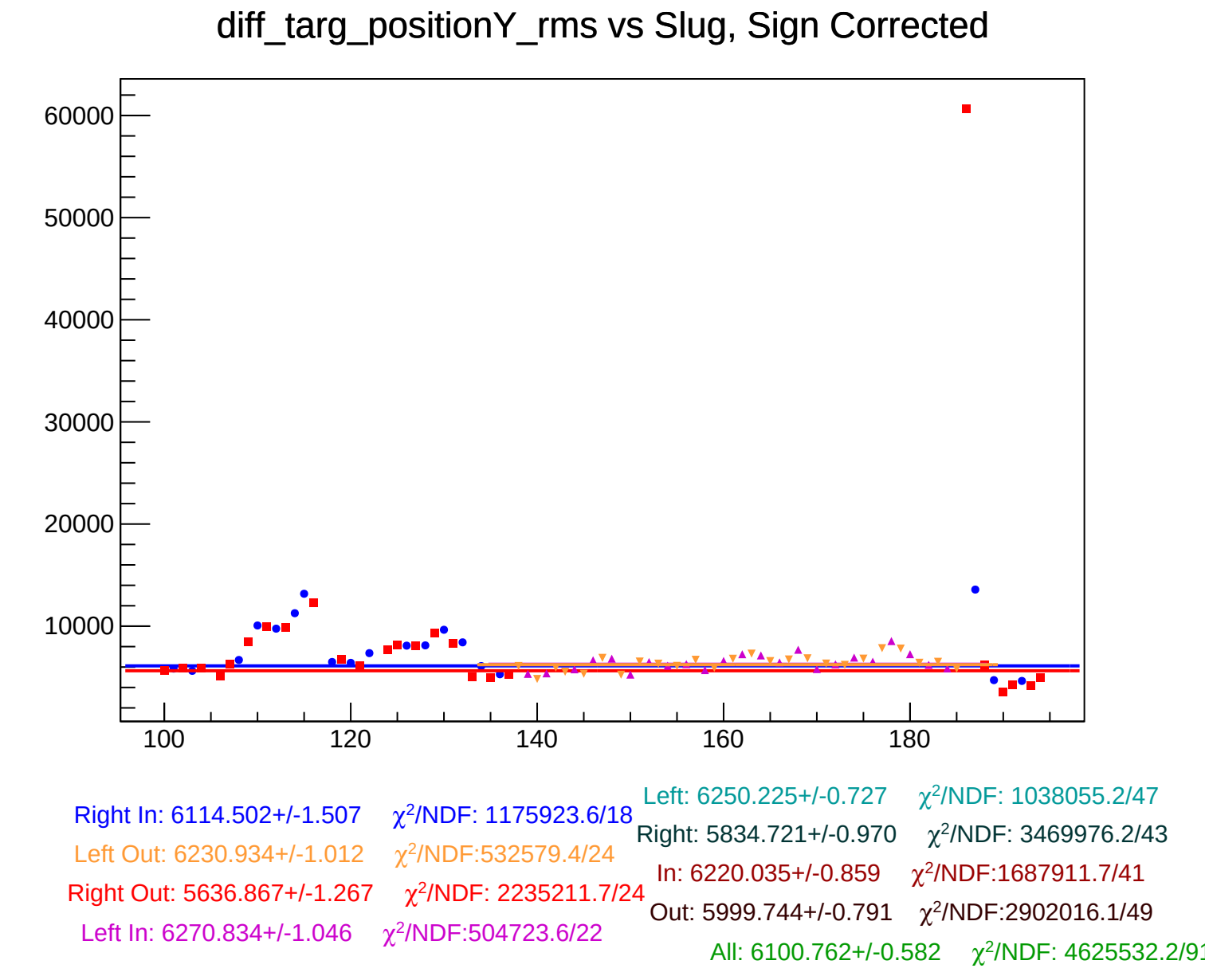
Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

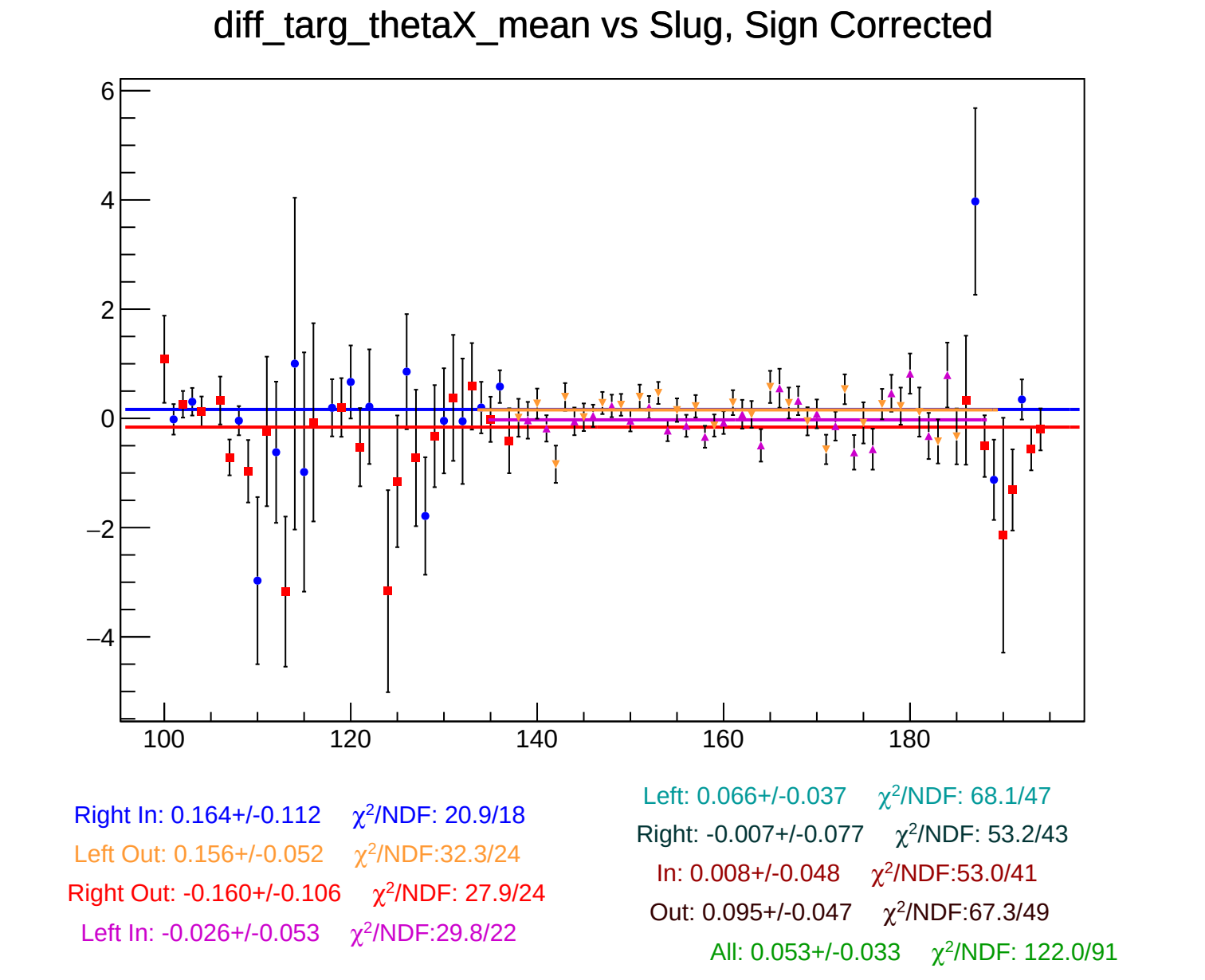
Right: -2.687+/-1.372 χ^2/NDF: 38.2/43

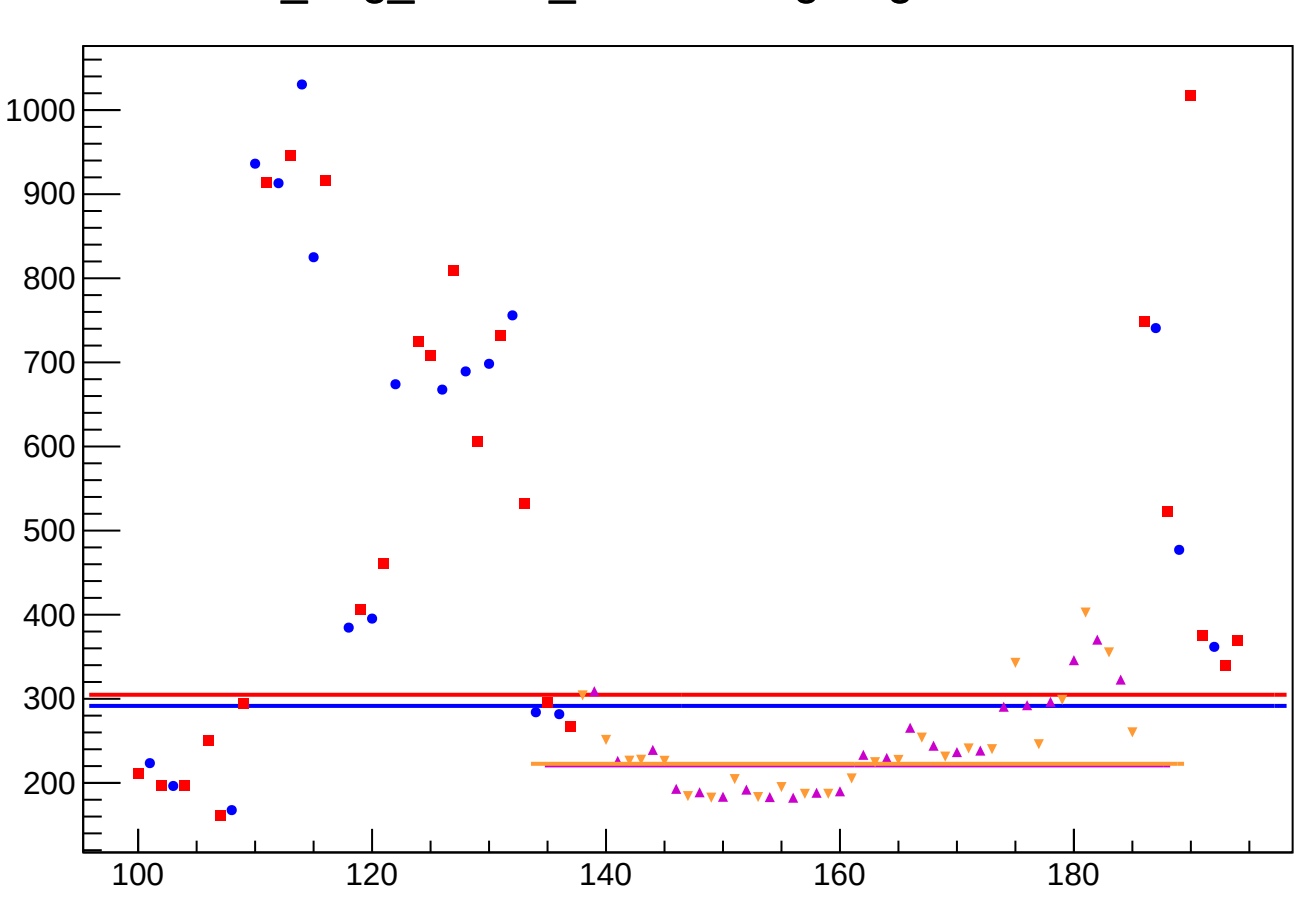
In: -1.171+/-1.215 χ^2/NDF:43.1/41

Out: 0.785+/-1.118 χ^2/NDF:49.5/49

All: -0.112+/-0.823 χ^2/NDF: 94.0/91


diff_targ_positionY_rms vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
100
120
140
160
180
Right In: 6114.502+/-1.507 χ²/NDF: 1175923.6/18
Left Out: 6230.934+/-1.012 χ²/NDF:532579.4/24
Right Out: 5636.867+/-1.267 χ²/NDF: 2235211.7/24
Left In: 6270.834+/-1.046 χ²/NDF:504723.6/22
Left: 6250.225+/-0.727 χ²/NDF: 1038055.2/47
Right: 5834.721+/-0.970 χ²/NDF: 3469976.2/43
In: 6220.035+/-0.859 χ²/NDF:1687911.7/41
Out: 5999.744+/-0.791 χ²/NDF:2902016.1/49
All: 6100.762+/-0.582 χ²/NDF: 4625532.2/91


diff_targ_thetaX_mean vs Slug, Sign Corrected
6
4
2
0
−2
−4
100
120
140
160
180
Right In: 0.164+/-0.112 χ²/NDF: 20.9/18
Left Out: 0.156+/-0.052 χ²/NDF:32.3/24
Right Out: -0.160+/-0.106 χ²/NDF: 27.9/24
Left In: -0.026+/-0.053 χ²/NDF:29.8/22
Left: 0.066+/-0.037 χ²/NDF: 68.1/47
Right: -0.007+/-0.077 χ²/NDF: 53.2/43
In: 0.008+/-0.048 χ²/NDF:53.0/41
Out: 0.095+/-0.047 χ²/NDF:67.3/49
All: 0.053+/-0.033 χ²/NDF: 122.0/91



Right In: 291.565+/-0.079 χ^2/NDF: 3818757.4/18

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 304.821+/-0.075 χ^2/NDF: 4570266.8/24

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

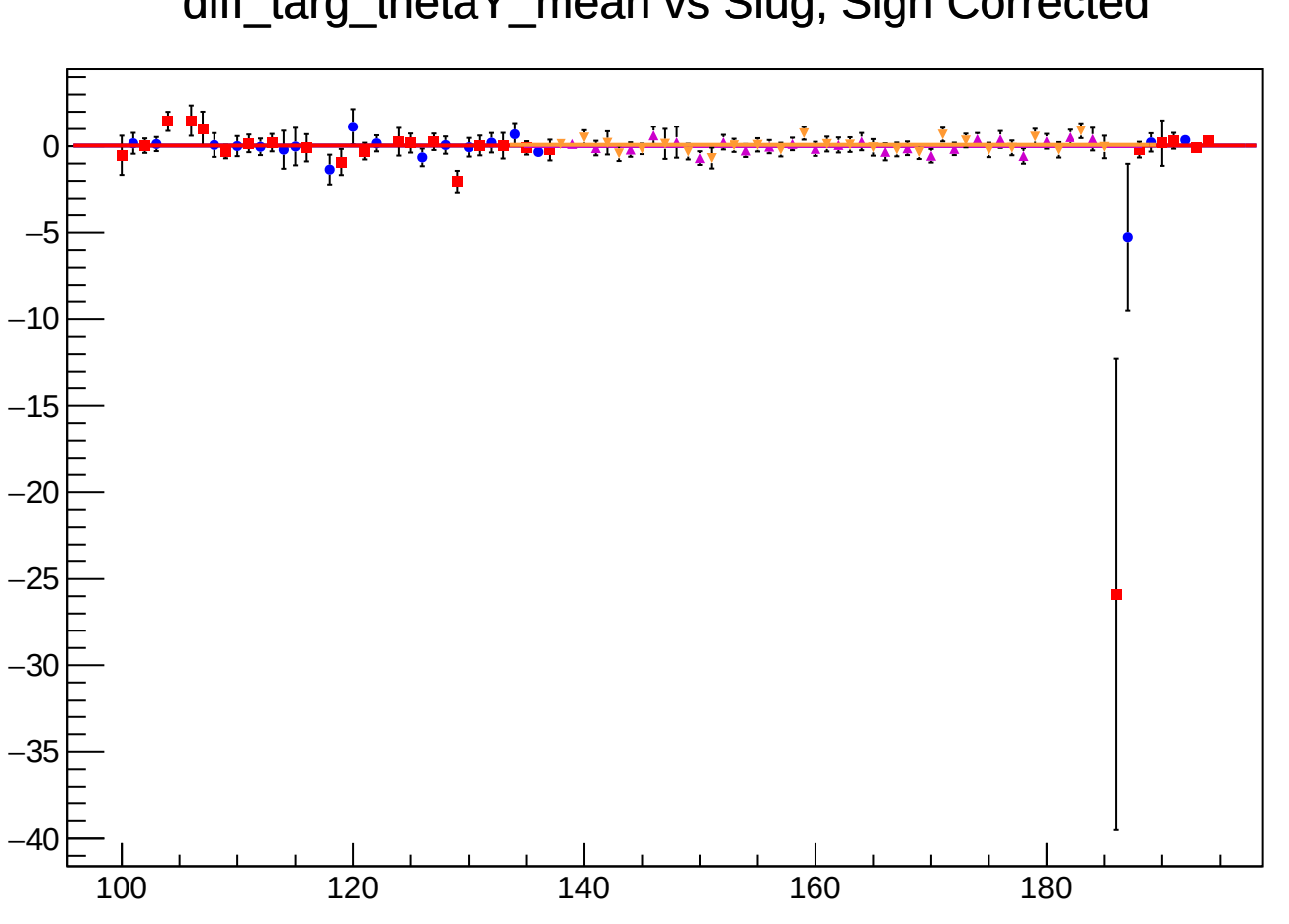
Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

Right: 298.569+/-0.054 χ^2/NDF: 8403792.9/43

In: 233.712+/-0.034 χ^2/NDF:5941452.6/41

Out: 238.621+/-0.033 χ^2/NDF:6990042.9/49

All: 236.233+/-0.024 χ^2/NDF: 12942285.3/91



Right In: 0.035+/-0.116 χ^2/NDF: 11.8/18

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: 0.037+/-0.101 χ^2/NDF: 30.8/24

Left In: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

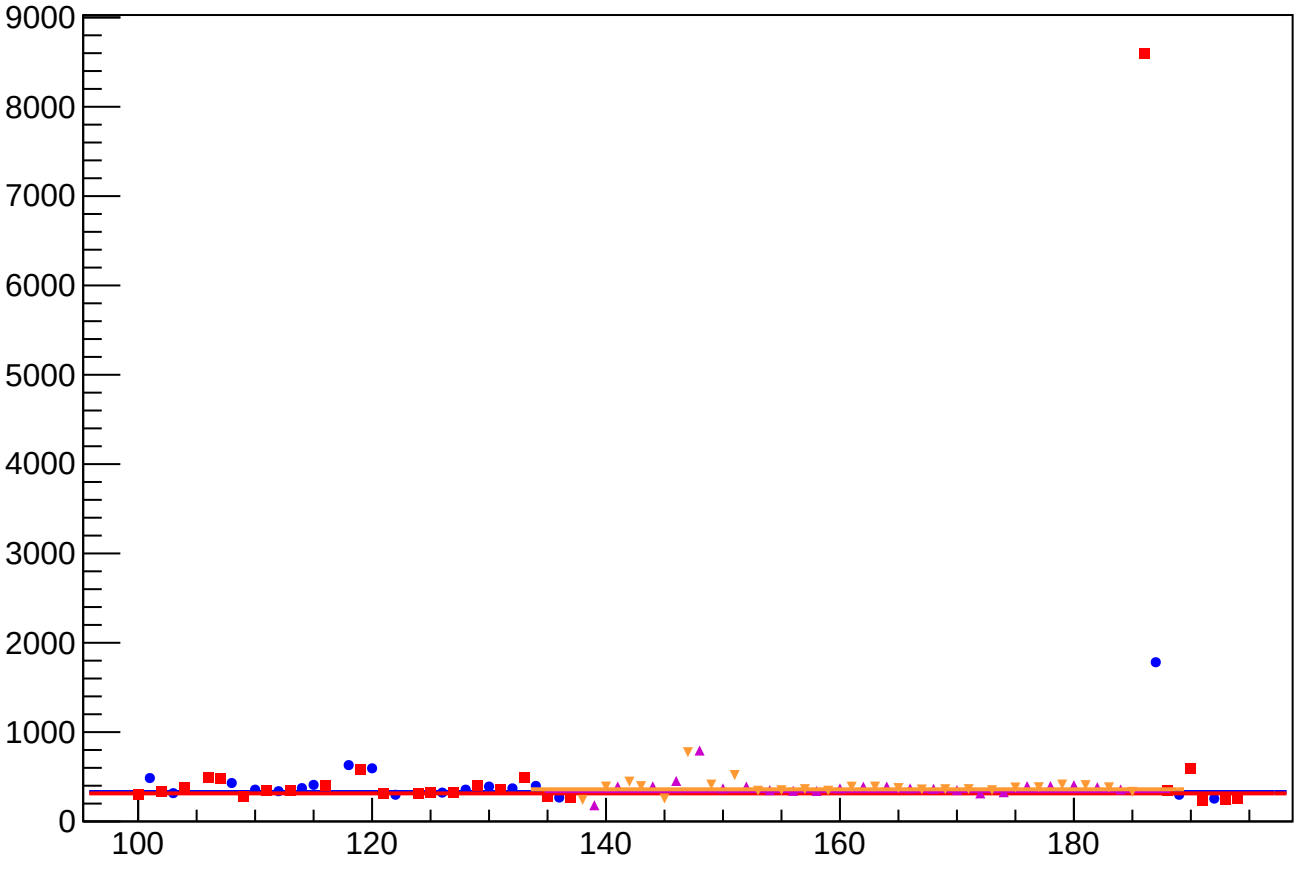
Right: 0.036+/-0.076 χ^2/NDF: 42.6/43

In: 0.017+/-0.067 χ^2/NDF:27.1/41

Out: 0.062+/-0.065 χ^2/NDF:49.8/49

All: 0.041+/-0.047 χ^2/NDF: 77.1/91

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 329.592+/-0.082 χ^2/NDF: 1144368.9/18

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

Right Out: 314.246+/-0.072 χ^2/NDF: 1792334.5/24

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

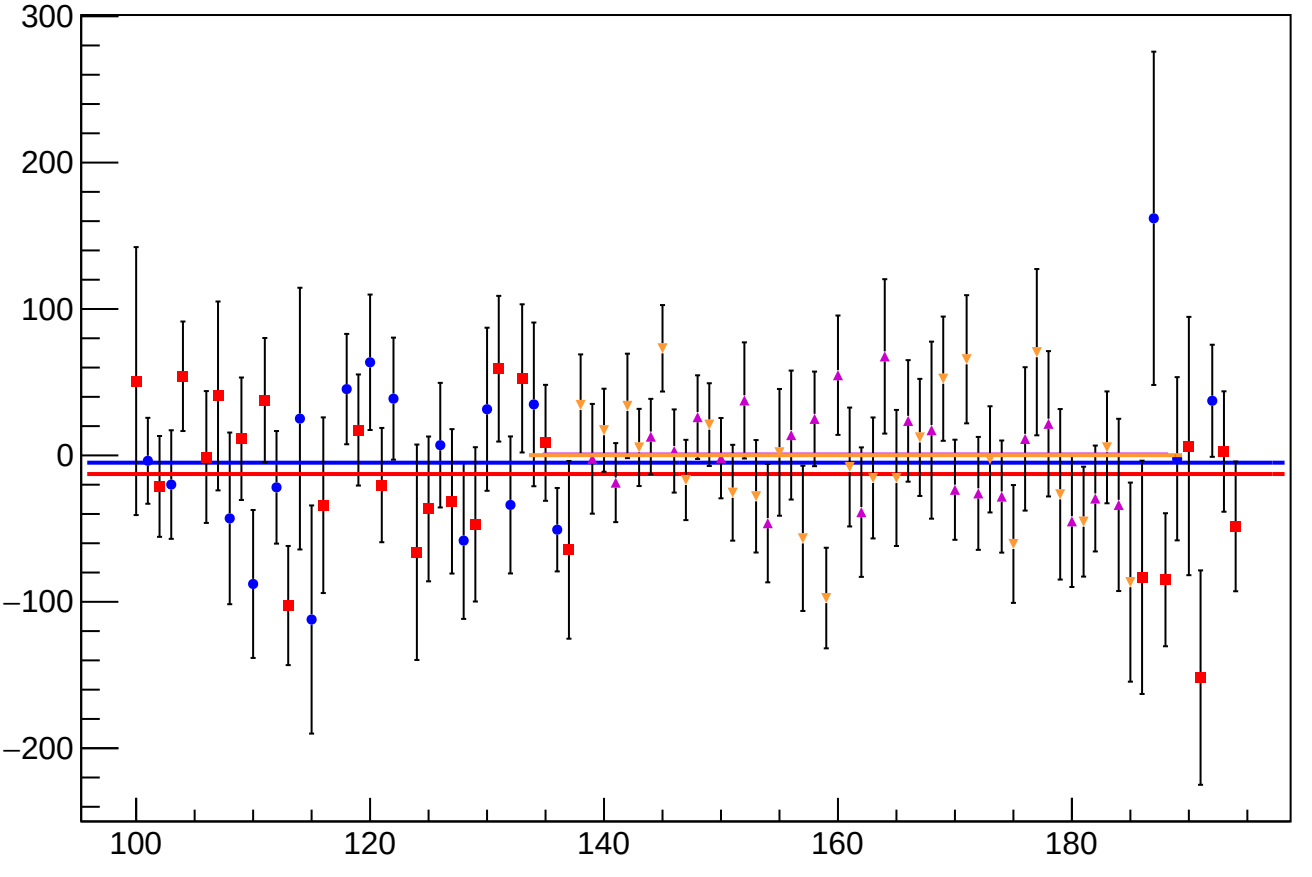
Right: 320.892+/-0.054 χ^2/NDF: 2956518.0/43

In: 336.503+/-0.048 χ^2/NDF:3380157.6/41

Out: 341.325+/-0.046 χ^2/NDF:3372892.8/49

All: 339.008+/-0.033 χ^2/NDF: 6758365.2/91

diff_bpmE_mean vs Slug, Sign Corrected



Right In: -4.967+/-10.208 χ^2/NDF: 18.9/18

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -12.718+/-9.579 χ^2/NDF: 25.7/24

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

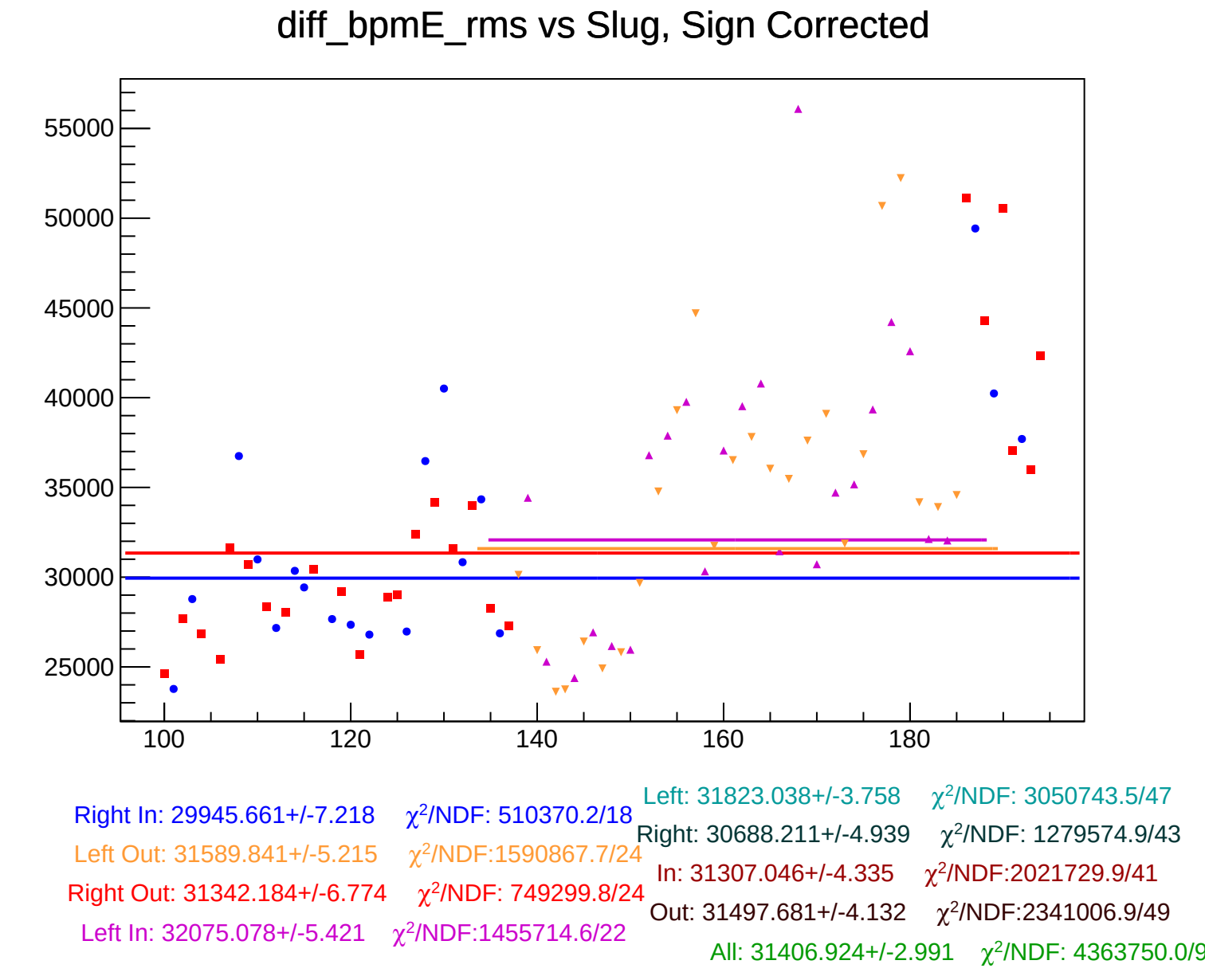
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -9.088+/-6.985 χ^2/NDF: 44.9/43

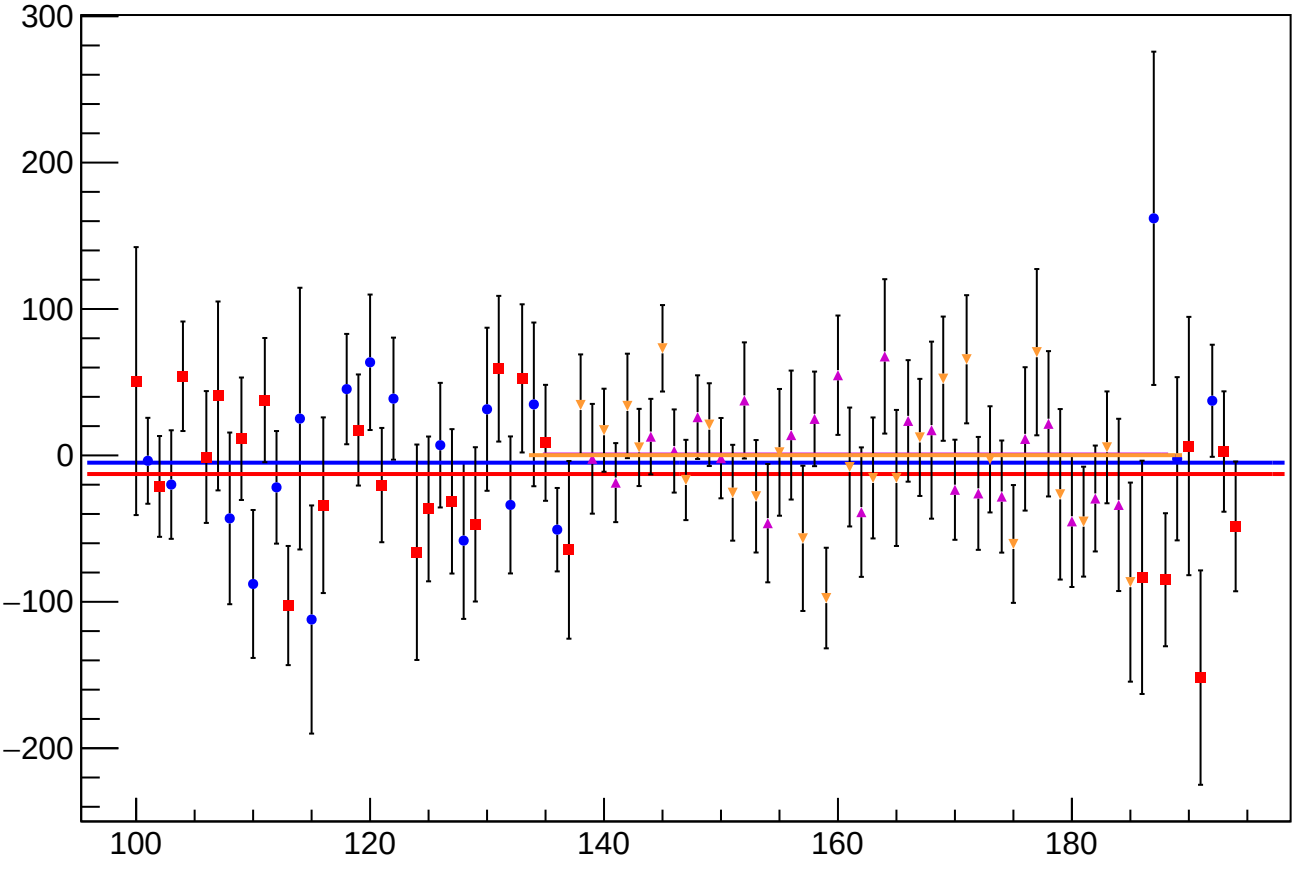
In: -1.417+/-6.130 χ^2/NDF:31.9/41

Out: -4.627+/-5.844 χ^2/NDF:58.0/49

All: -3.099+/-4.230 χ^2/NDF: 90.0/91


diff_bpmE_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
Right In: 29945.661+/-7.218 χ²/NDF: 510370.2/18
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 31342.184+/-6.774 χ²/NDF: 749299.8/24
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 30688.211+/-4.939 χ²/NDF: 1279574.9/43
In: 31307.046+/-4.335 χ²/NDF:2021729.9/41
Out: 31497.681+/-4.132 χ²/NDF:2341006.9/49
All: 31406.924+/-2.991 χ²/NDF: 4363750.0/9

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -4.967+/-10.208 χ^2/NDF: 18.9/18

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -12.718+/-9.579 χ^2/NDF: 25.7/24

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

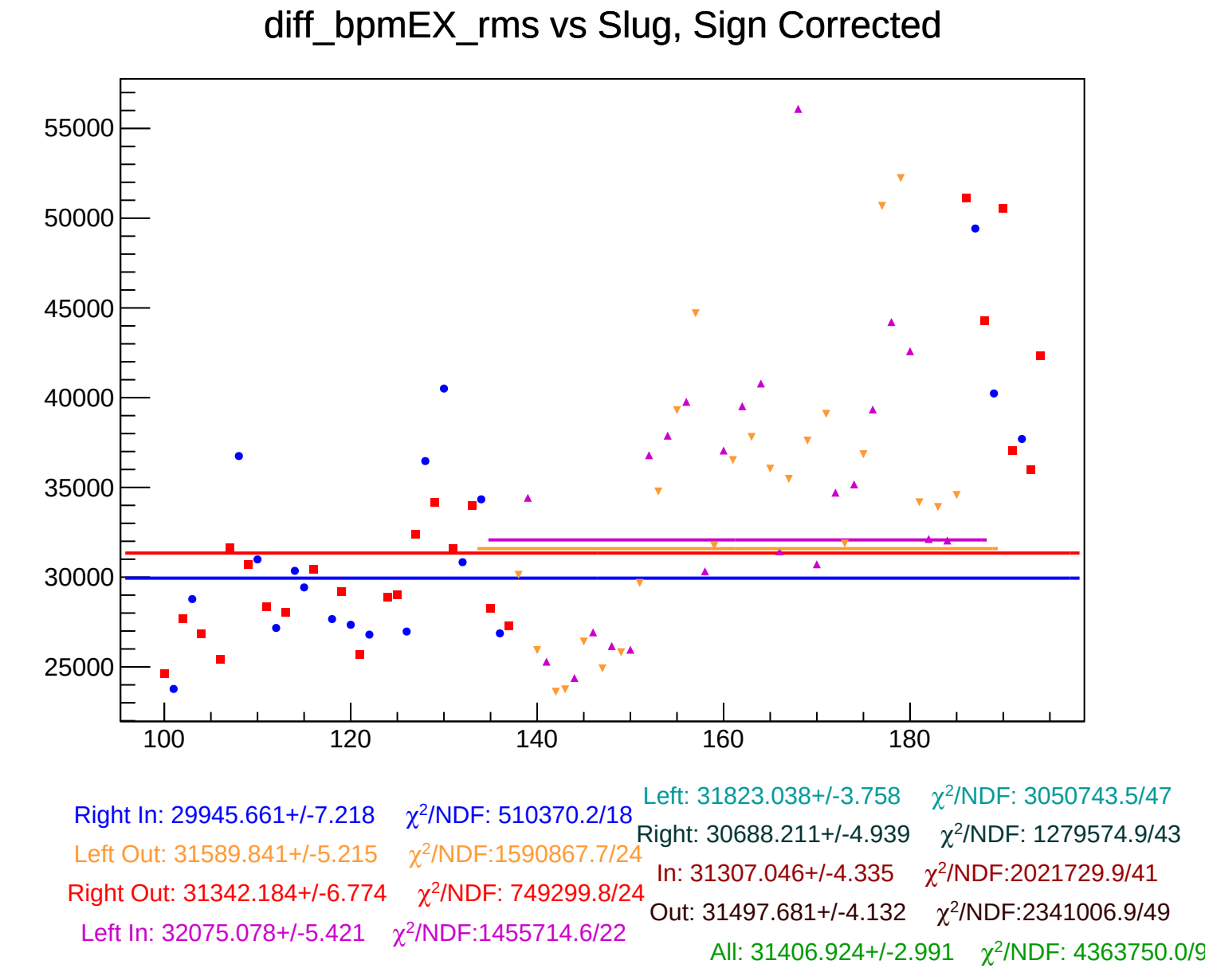
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

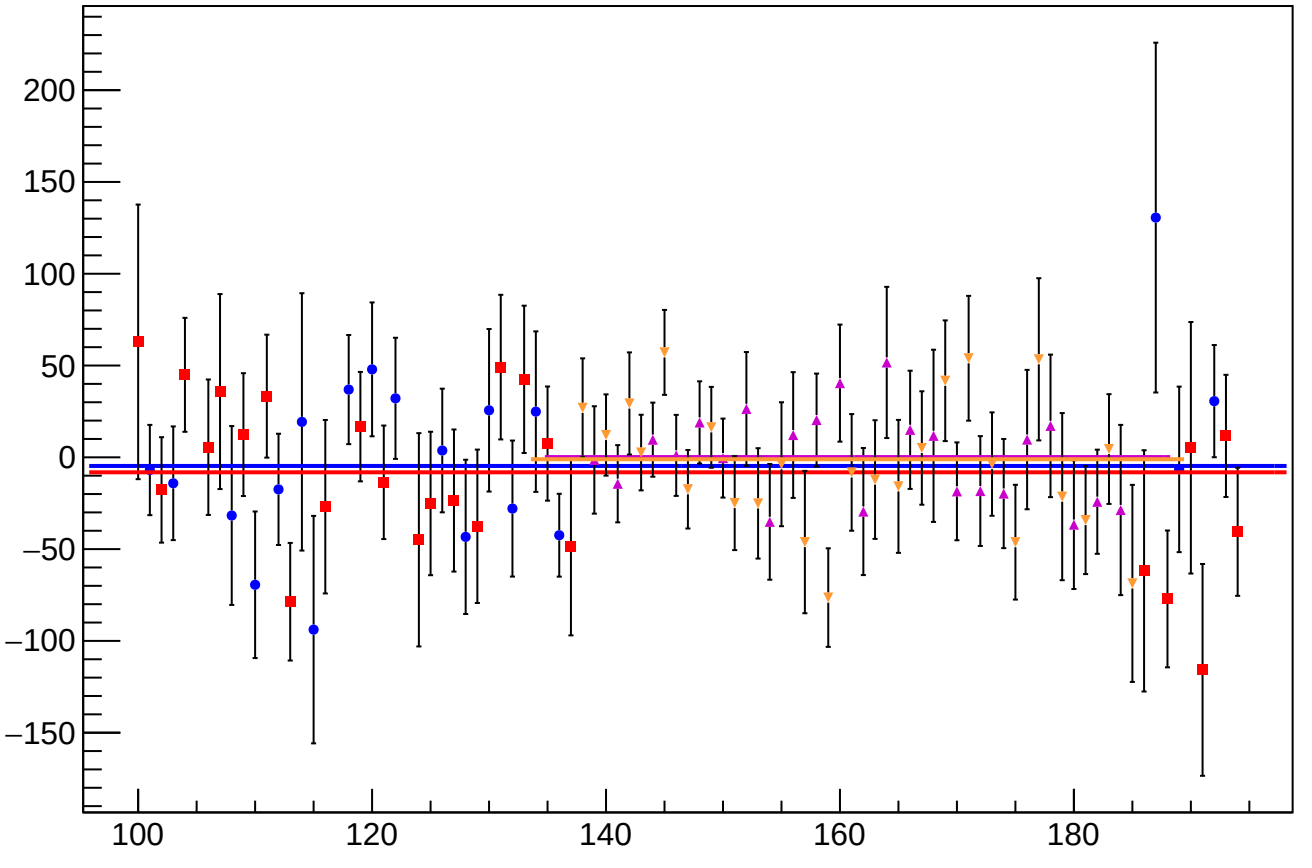
Right: -9.088+/-6.985 χ^2/NDF: 44.9/43

In: -1.417+/-6.130 χ^2/NDF:31.9/41

Out: -4.627+/-5.844 χ^2/NDF:58.0/49

All: -3.099+/-4.230 χ^2/NDF: 90.0/91


diff_bpmEX_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
Right In: 29945.661+/-7.218 χ²/NDF: 510370.2/18
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 31342.184+/-6.774 χ²/NDF: 749299.8/24
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 30688.211+/-4.939 χ²/NDF: 1279574.9/43
In: 31307.046+/-4.335 χ²/NDF:2021729.9/41
Out: 31497.681+/-4.132 χ²/NDF:2341006.9/49
All: 31406.924+/-2.991 χ²/NDF: 4363750.0/9



Right In: -4.700+/-8.179 χ^2/NDF: 19.1/18

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: -8.160+/-7.667 χ^2/NDF: 27.2/24

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

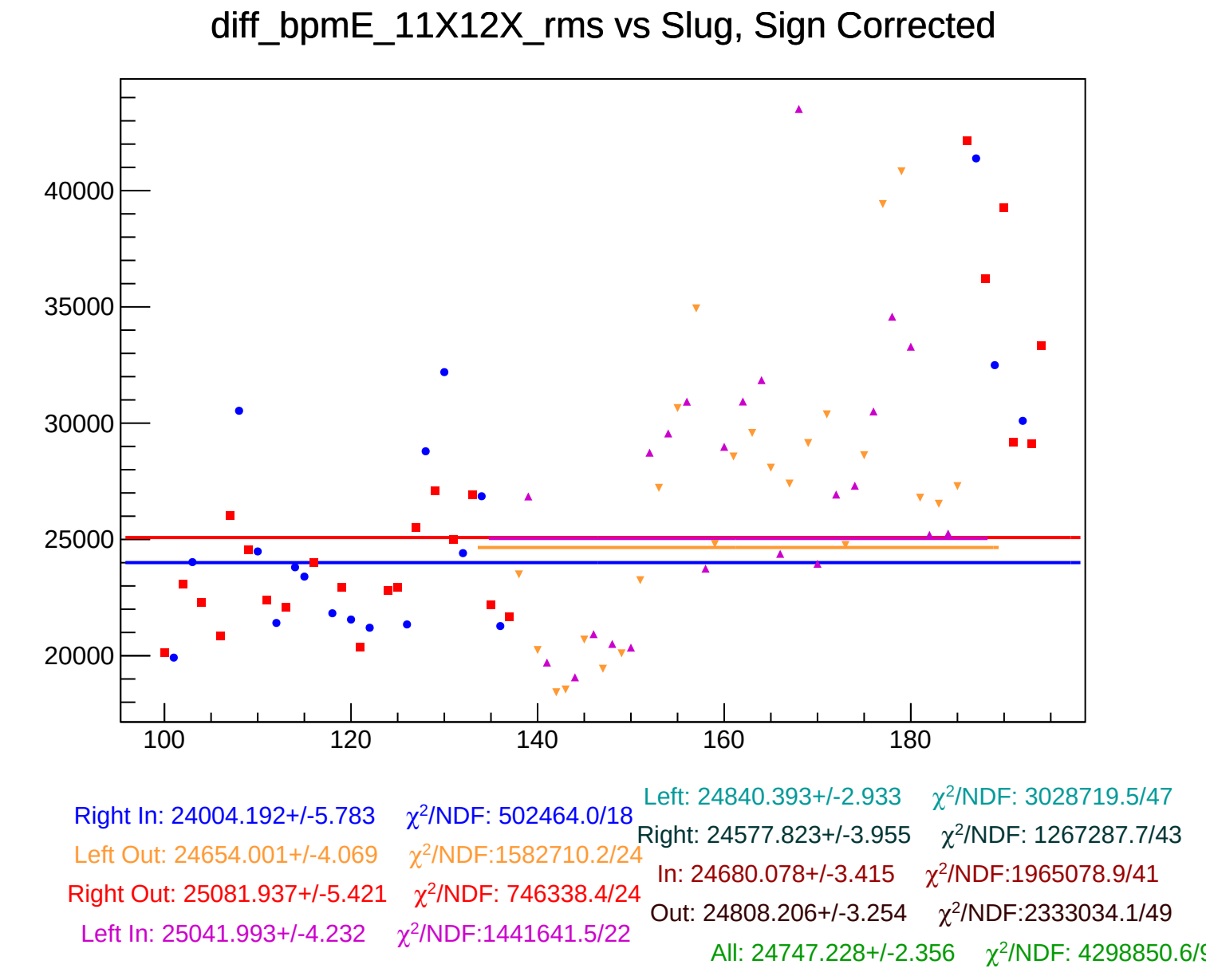
Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

Right: -6.541+/-5.593 χ^2/NDF: 46.3/43

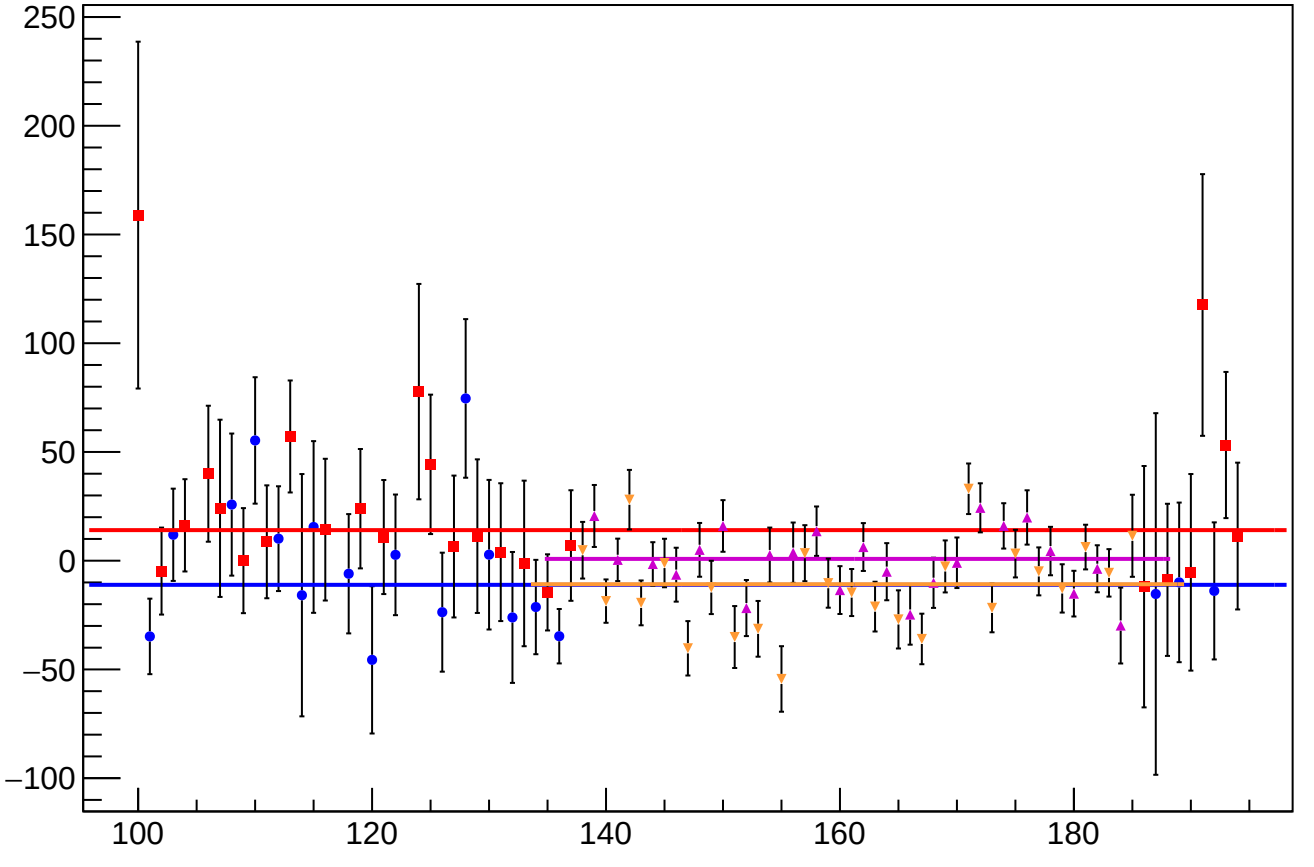
In: -1.543+/-4.830 χ^2/NDF:31.4/41

Out: -3.607+/-4.602 χ^2/NDF:60.0/49

All: -2.625+/-3.332 χ^2/NDF: 91.5/91


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
120
140
160
180
Right In: 24004.192+/-5.783 χ²/NDF: 502464.0/18
Left Out: 24654.001+/-4.069 χ²/NDF:1582710.2/24
Right Out: 25081.937+/-5.421 χ²/NDF: 746338.4/24
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
Left: 24840.393+/-2.933 χ²/NDF: 3028719.5/47
Right: 24577.823+/-3.955 χ²/NDF: 1267287.7/43
In: 24680.078+/-3.415 χ²/NDF:1965078.9/41
Out: 24808.206+/-3.254 χ²/NDF:2333034.1/49
All: 24747.228+/-2.356 χ²/NDF: 4298850.6/9

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.100+/-5.945 χ^2/NDF: 22.0/18

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: 14.057+/-5.952 χ^2/NDF: 19.0/24

Left In: 0.826+/-2.457 χ^2/NDF:29.4/22

Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

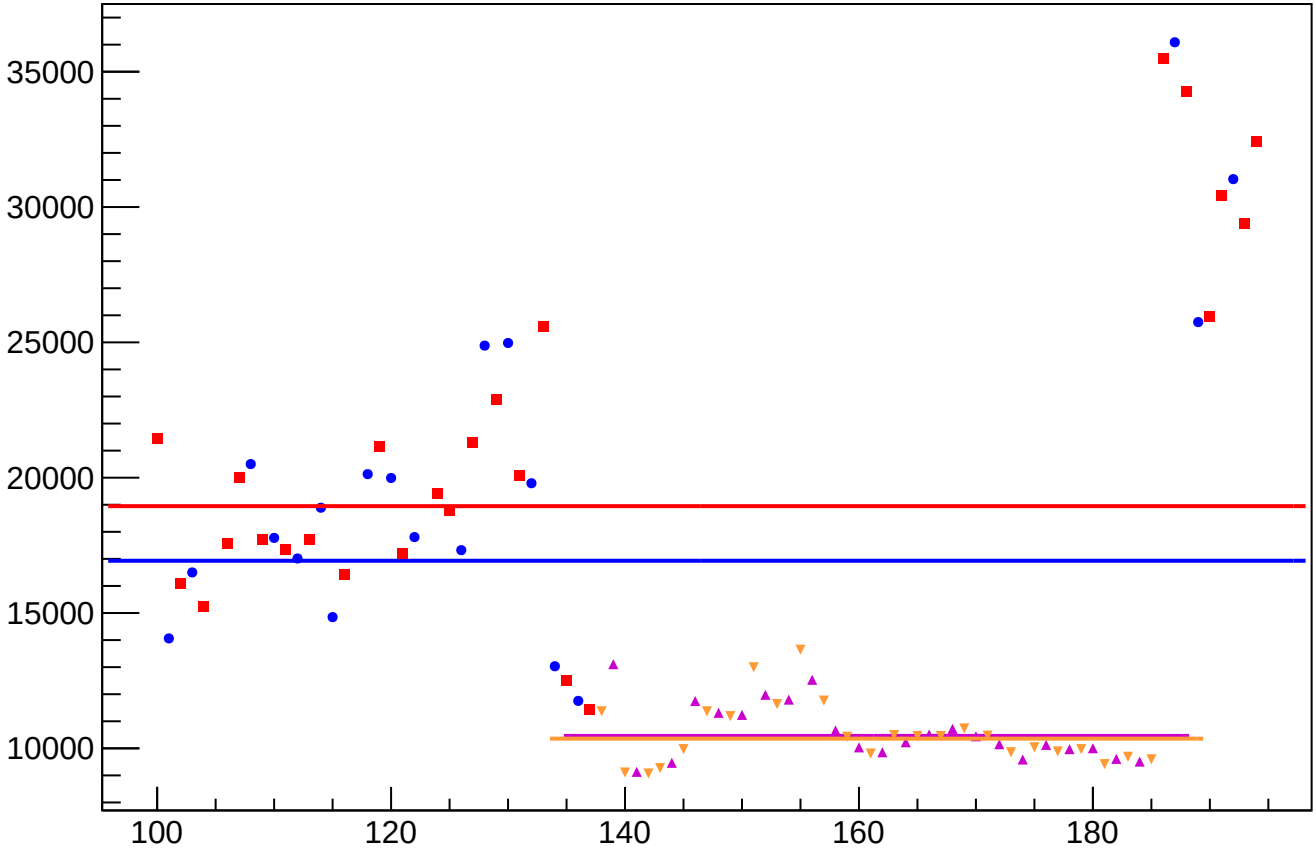
Right: 1.463+/-4.206 χ^2/NDF: 50.0/43

In: -0.913+/-2.271 χ^2/NDF:54.9/41

Out: -7.417+/-2.202 χ^2/NDF:95.4/49

All: -4.265+/-1.581 χ^2/NDF: 154.5/91

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16930.925+/-4.204 χ^2/NDF: 1386606.5/18

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 18948.623+/-4.209 χ^2/NDF: 1898602.8/24

Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

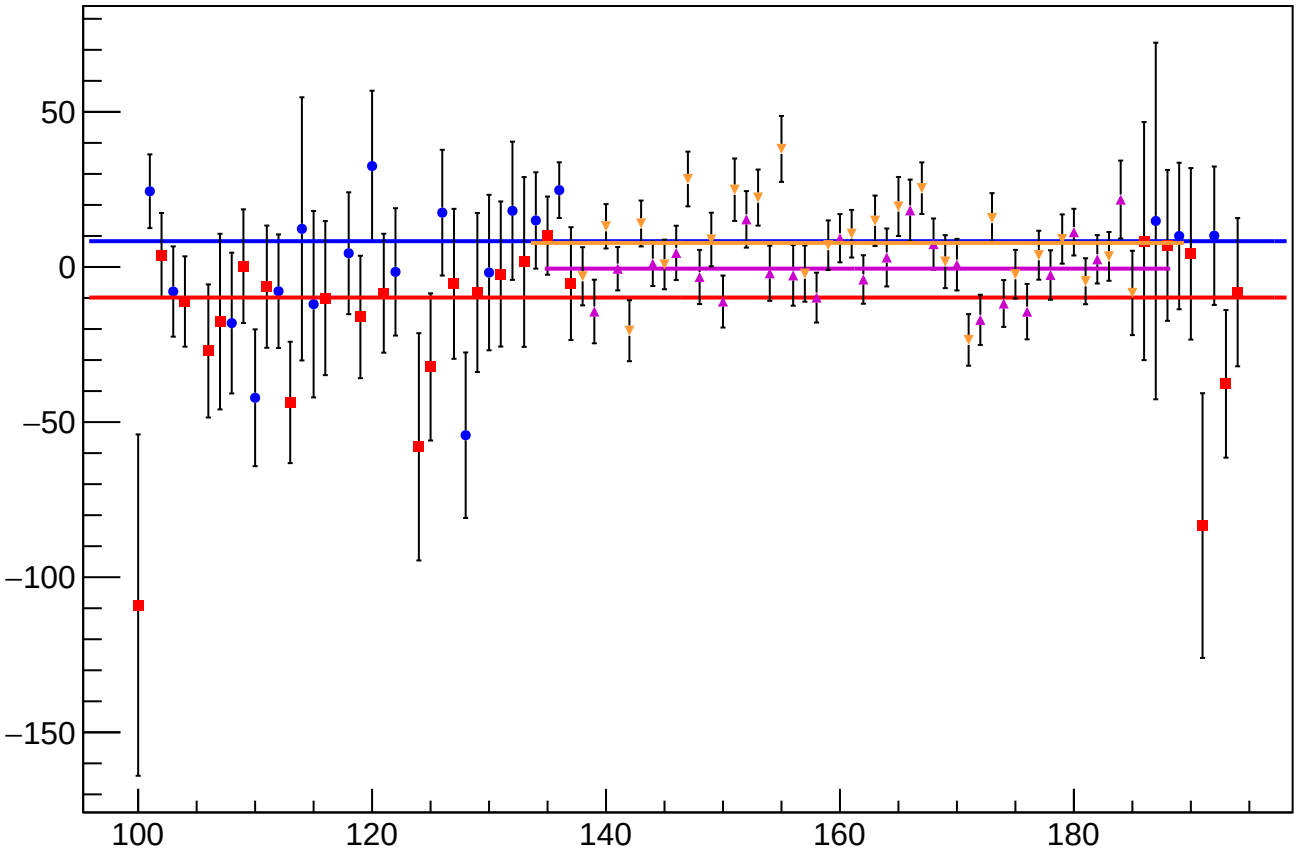
Left: 10406.904+/-1.206 χ^2/NDF: 679454.0/47

Right: 17938.562+/-2.974 χ^2/NDF: 3400247.5/43

In: 11403.169+/-1.606 χ^2/NDF:3725475.5/41

Out: 11534.112+/-1.557 χ^2/NDF:5856911.8/49

All: 11470.648+/-1.118 χ^2/NDF: 9585814.5/9



Right In: 8.316+/-4.255 χ^2/NDF: 21.8/18

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: -9.849+/-4.269 χ^2/NDF: 19.2/24

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

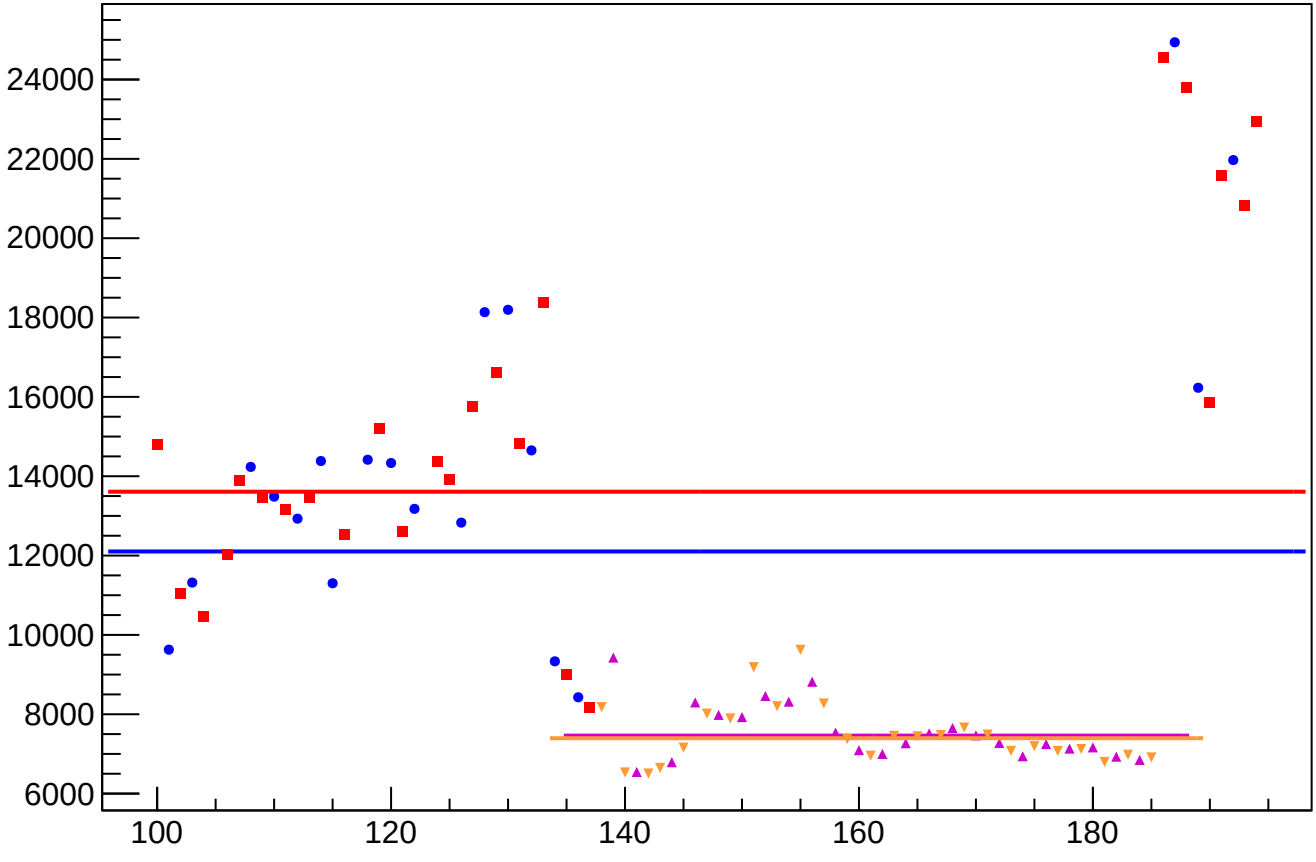
Right: -0.736+/-3.014 χ^2/NDF: 50.1/43

In: 0.751+/-1.620 χ^2/NDF:55.0/41

Out: 5.374+/-1.573 χ^2/NDF:94.8/49

All: 3.131+/-1.128 χ^2/NDF: 154.0/91

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 12103.334+/-3.009 χ^2/NDF: 1379677.0/18

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 13609.644+/-3.019 χ^2/NDF: 1844306.9/24

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

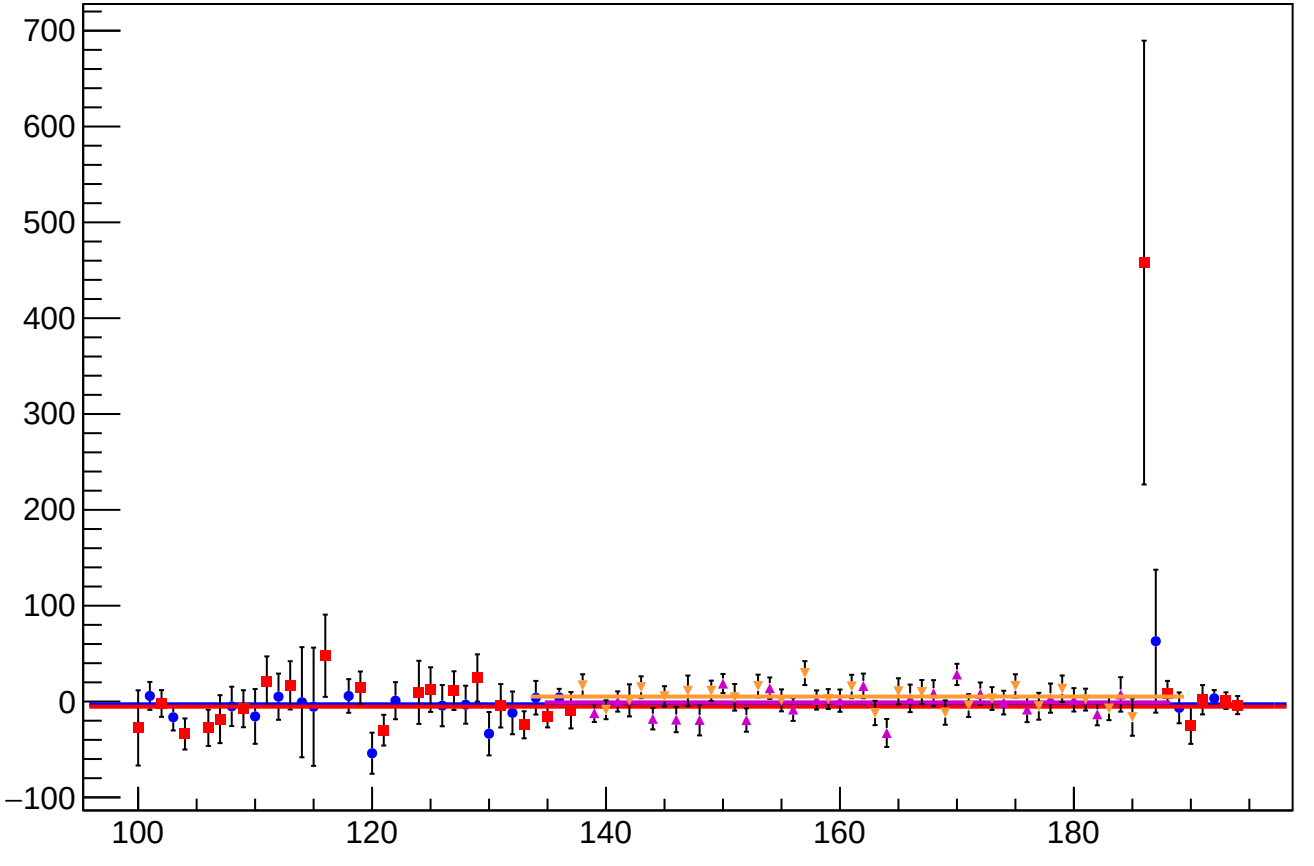
Right: 12854.000+/-2.131 χ^2/NDF: 3348873.2/43

In: 8133.697+/-1.146 χ^2/NDF:3699197.3/41

Out: 8238.694+/-1.112 χ^2/NDF:5830734.3/49

All: 8187.757+/-0.798 χ^2/NDF: 9534257.1/91

diff_bpm4aesumY_mean vs Slug, Sign Corrected



Right In: -2.886+/-3.900 χ^2/NDF: 11.7/18

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: -5.376+/-3.361 χ^2/NDF: 24.4/24

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

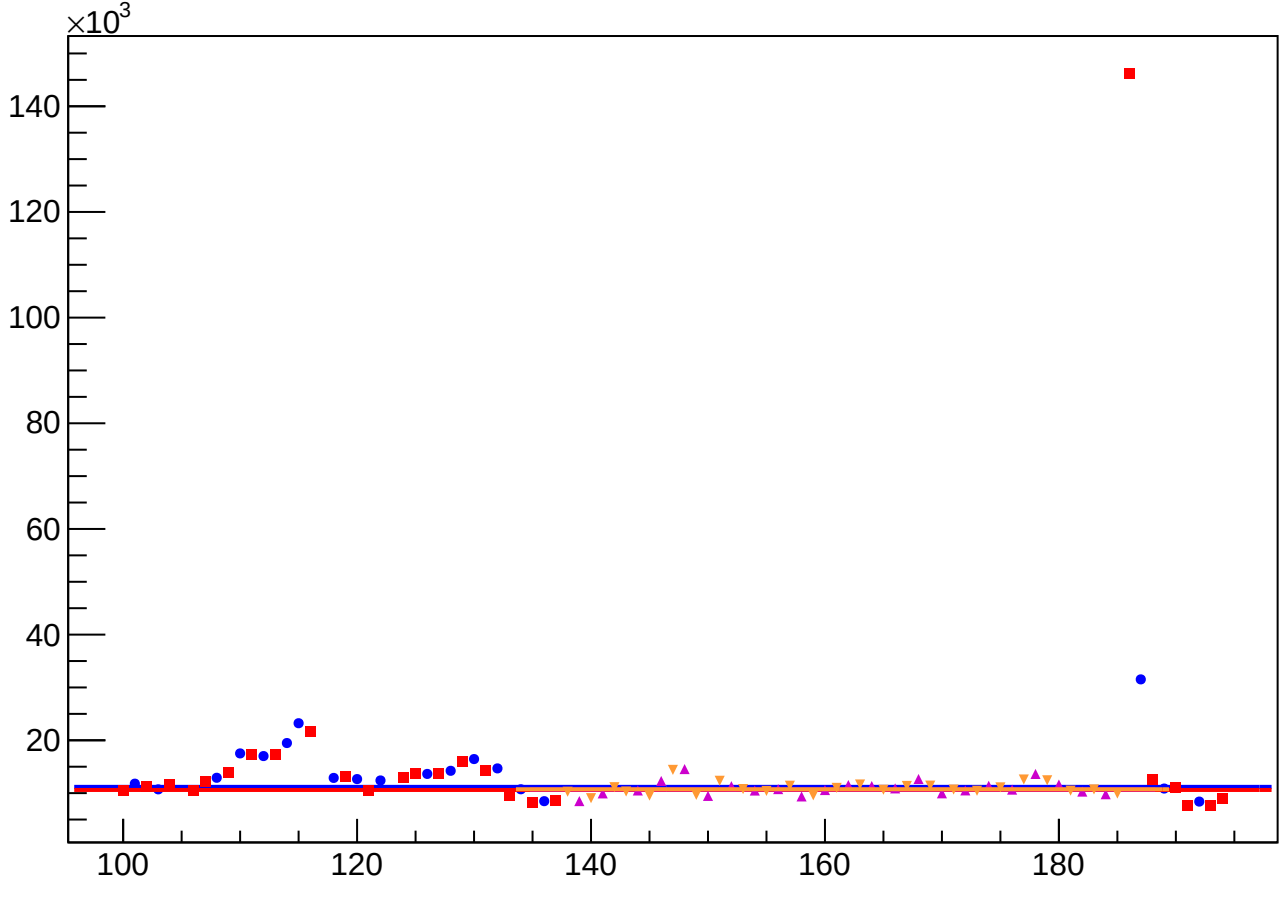
Right: -4.315+/-2.546 χ^2/NDF: 36.4/43

In: -1.479+/-2.116 χ^2/NDF:43.7/41

Out: 1.498+/-1.984 χ^2/NDF:49.2/49

All: 0.105+/-1.447 χ^2/NDF: 94.0/91

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11186.075+/-2.757 χ^2/NDF: 1160669.3/18

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10596.613+/-2.376 χ^2/NDF: 1988329.1/24

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

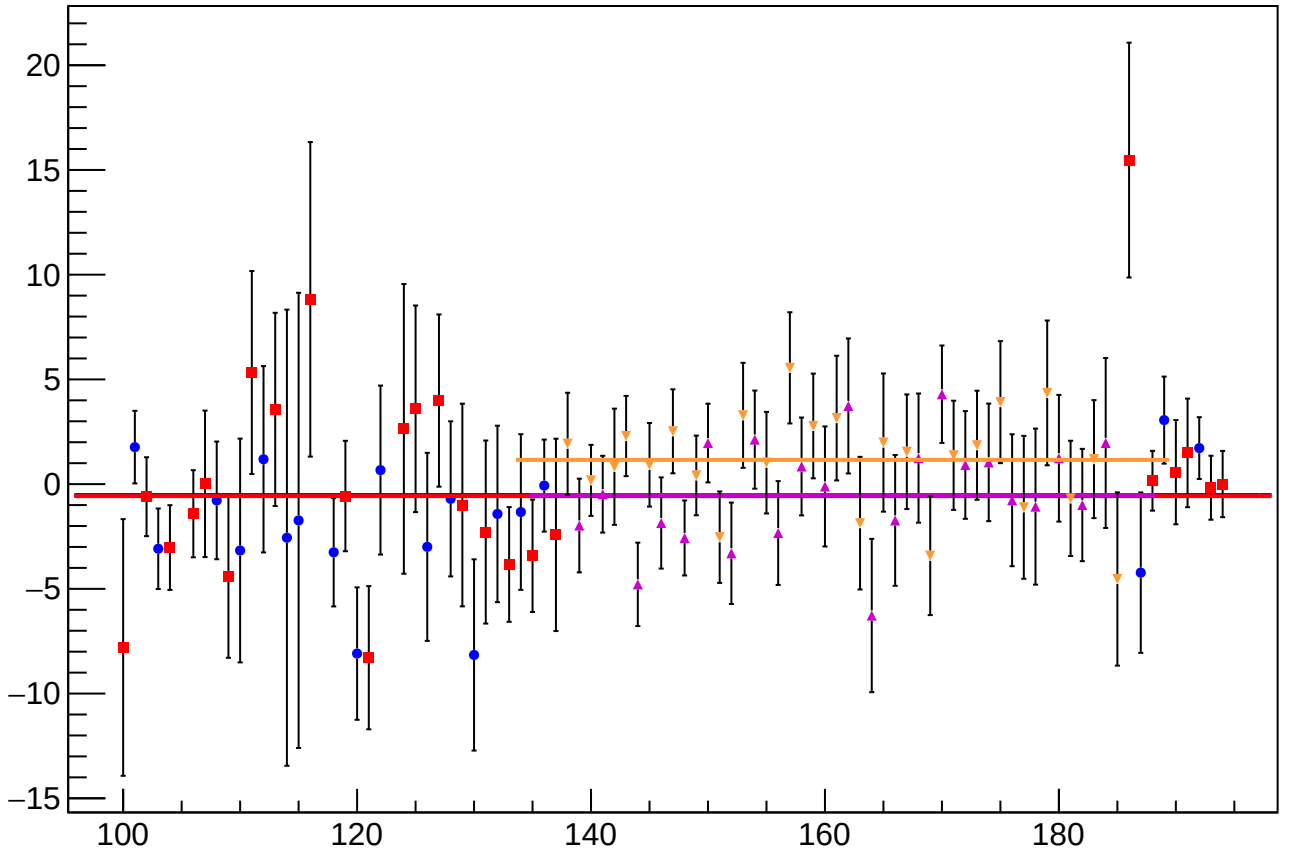
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 10847.840+/-1.800 χ^2/NDF: 3175221.6/43

In: 10826.954+/-1.496 χ^2/NDF:1685282.0/41

Out: 10685.925+/-1.403 χ^2/NDF:2358777.4/49

All: 10751.931+/-1.023 χ^2/NDF: 4048787.1/9



Right In: -0.523+/-0.644 χ^2/NDF: 20.4/18

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: -0.572+/-0.537 χ^2/NDF: 27.5/24

Left In: -0.522+/-0.520 χ^2/NDF:22.3/22

Left: 0.350+/-0.360 χ^2/NDF: 44.6/47

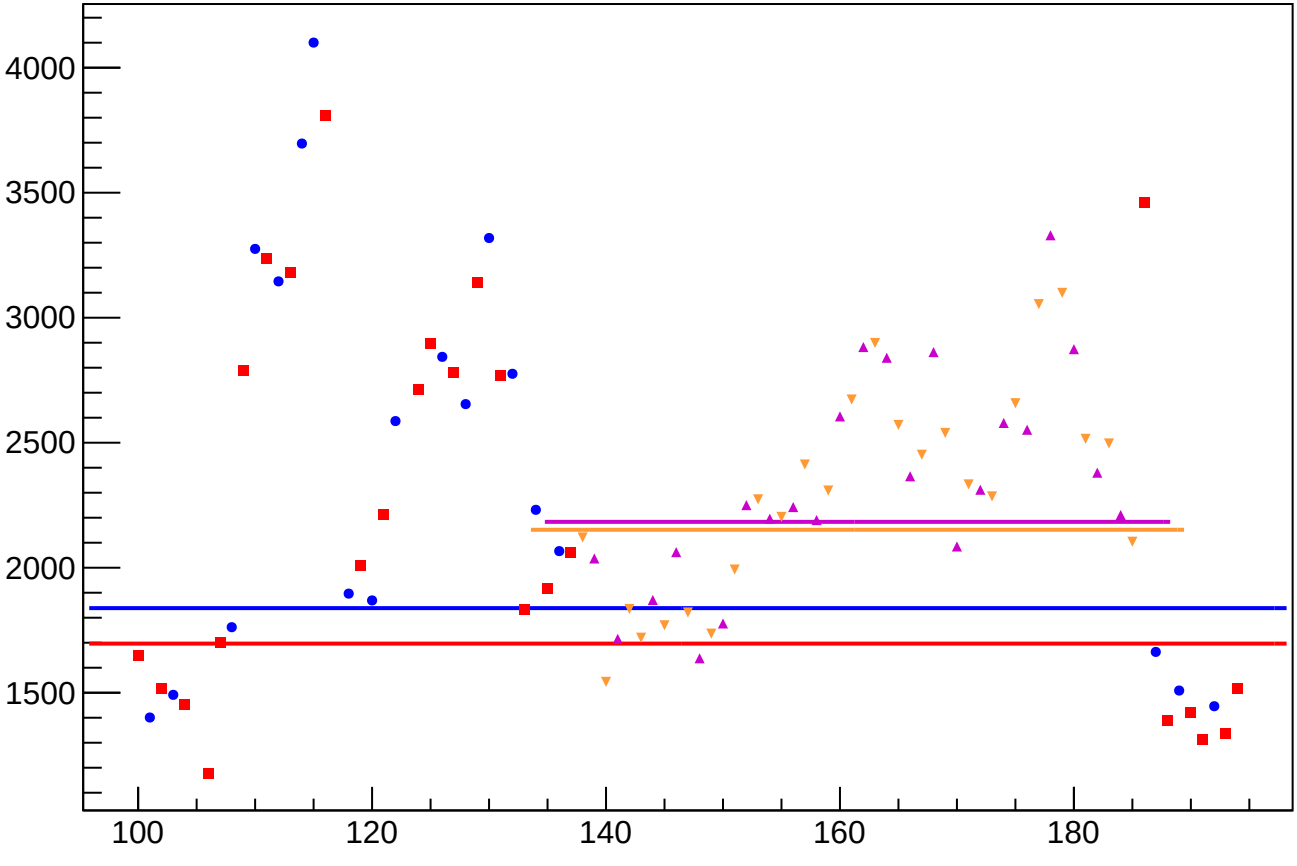
Right: -0.552+/-0.413 χ^2/NDF: 47.9/43

In: -0.522+/-0.405 χ^2/NDF:42.7/41

Out: 0.354+/-0.366 χ^2/NDF:49.9/49

All: -0.040+/-0.271 χ^2/NDF: 95.1/91

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 1838.381+/-0.455 χ^2/NDF: 1473032.0/18

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1696.490+/-0.380 χ^2/NDF: 2096965.6/24

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

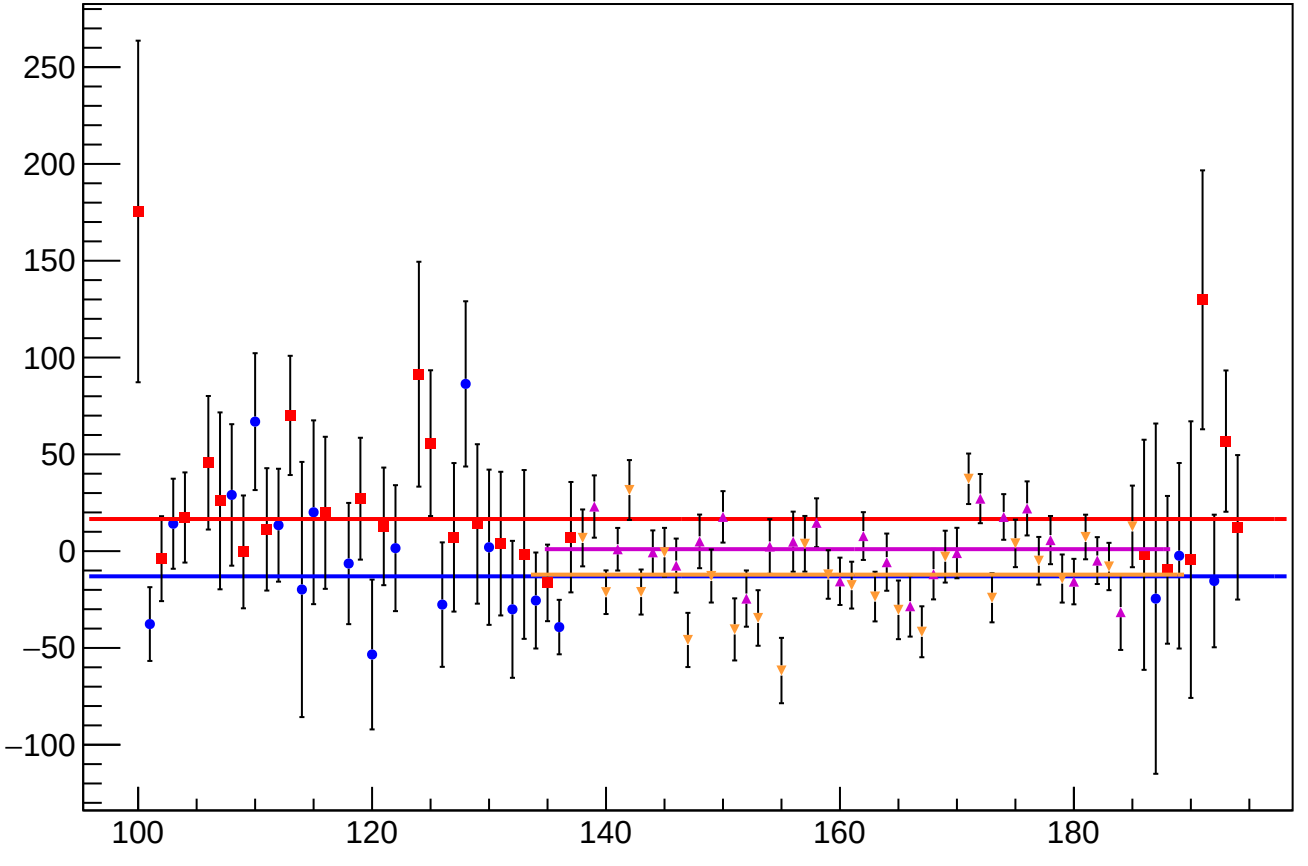
Right: 1754.690+/-0.292 χ^2/NDF: 3627239.1/43

In: 2047.359+/-0.286 χ^2/NDF:2982935.8/41

Out: 1940.348+/-0.259 χ^2/NDF:4216066.5/49

All: 1988.519+/-0.192 χ^2/NDF: 7275950.1/91

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.008+/-6.794 χ^2/NDF: 21.9/18

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

Right Out: 16.598+/-6.817 χ^2/NDF: 19.1/24

Left In: 1.024+/-2.758 χ^2/NDF:28.8/22

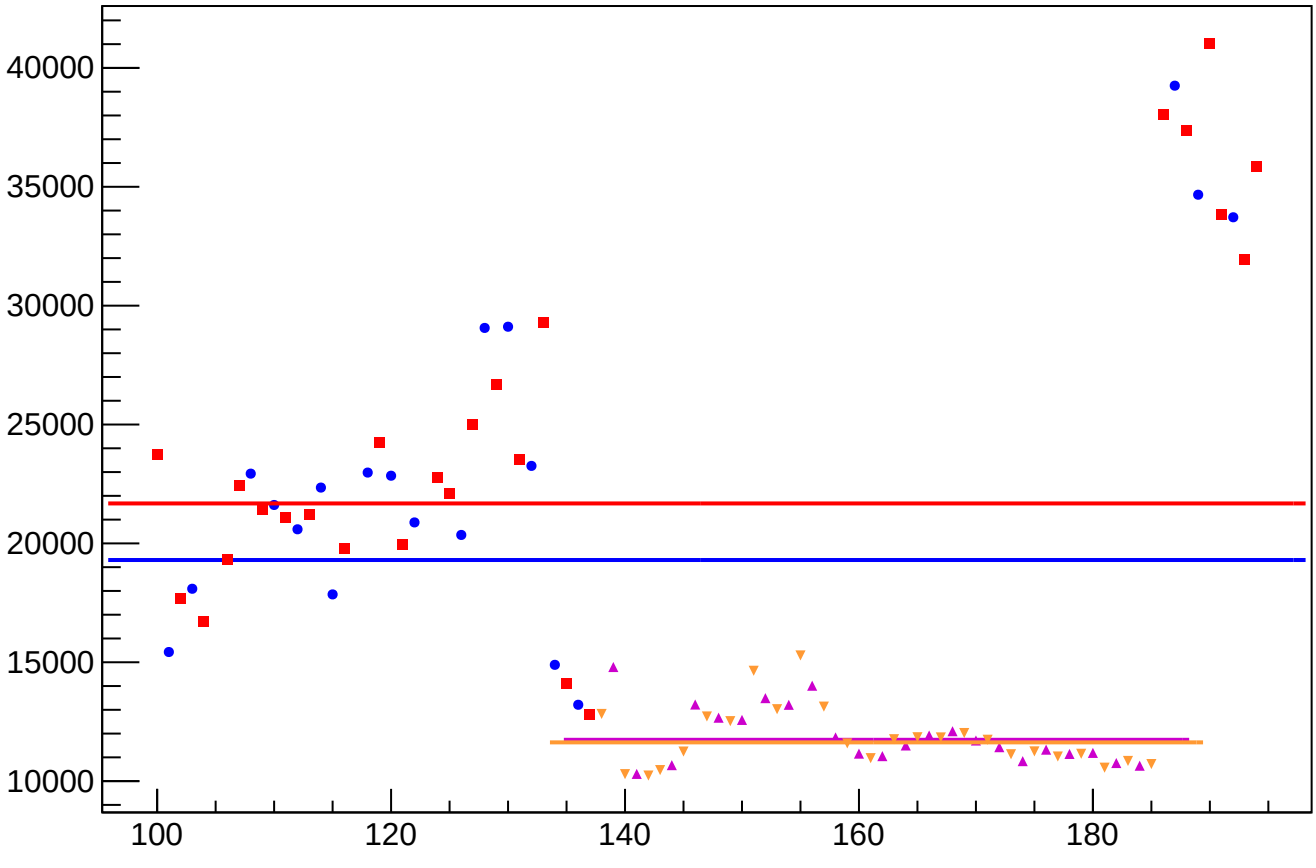
Left: -5.790+/-1.915 χ^2/NDF: 103.2/47

Right: 1.744+/-4.812 χ^2/NDF: 50.5/43

In: -0.961+/-2.555 χ^2/NDF:54.4/41

Out: -8.335+/-2.479 χ^2/NDF:97.2/49

All: -4.760+/-1.779 χ^2/NDF: 155.9/91



Right In: 19301.025+/-4.804 χ^2/NDF: 1522560.0/18

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 21680.698+/-4.820 χ^2/NDF: 1939862.9/24

Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

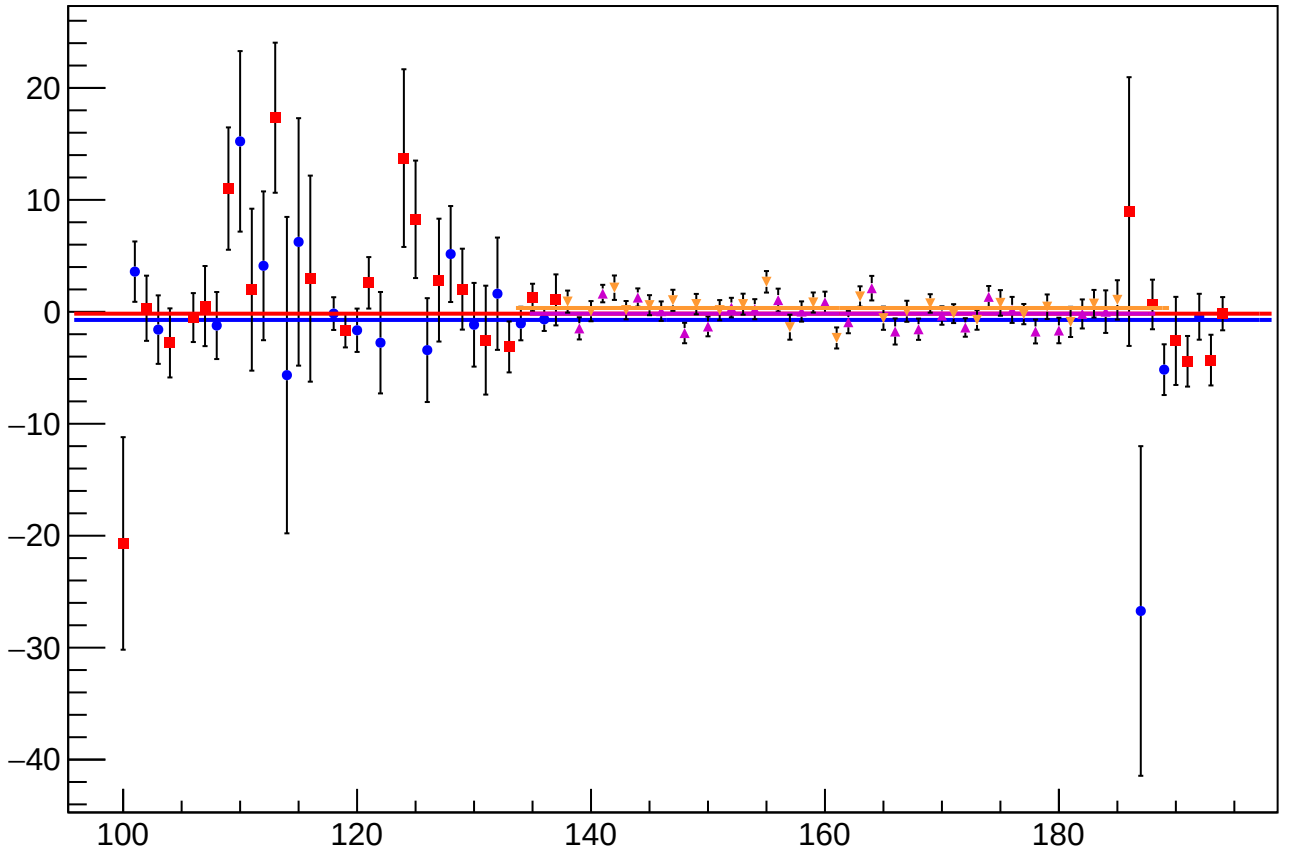
Left: 11682.361+/-1.354 χ^2/NDF: 671157.6/47

Right: 20486.796+/-3.403 χ^2/NDF: 3584692.7/43

In: 12808.074+/-1.807 χ^2/NDF:3963836.8/41

Out: 12959.169+/-1.753 χ^2/NDF:6068246.5/49

All: 12885.908+/-1.258 χ^2/NDF: 10035686.0



Right In: -0.725+/-0.558 χ^2/NDF: 17.7/18

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: -0.166+/-0.526 χ^2/NDF: 37.0/24

Left In: -0.165+/-0.201 χ^2/NDF:36.3/22

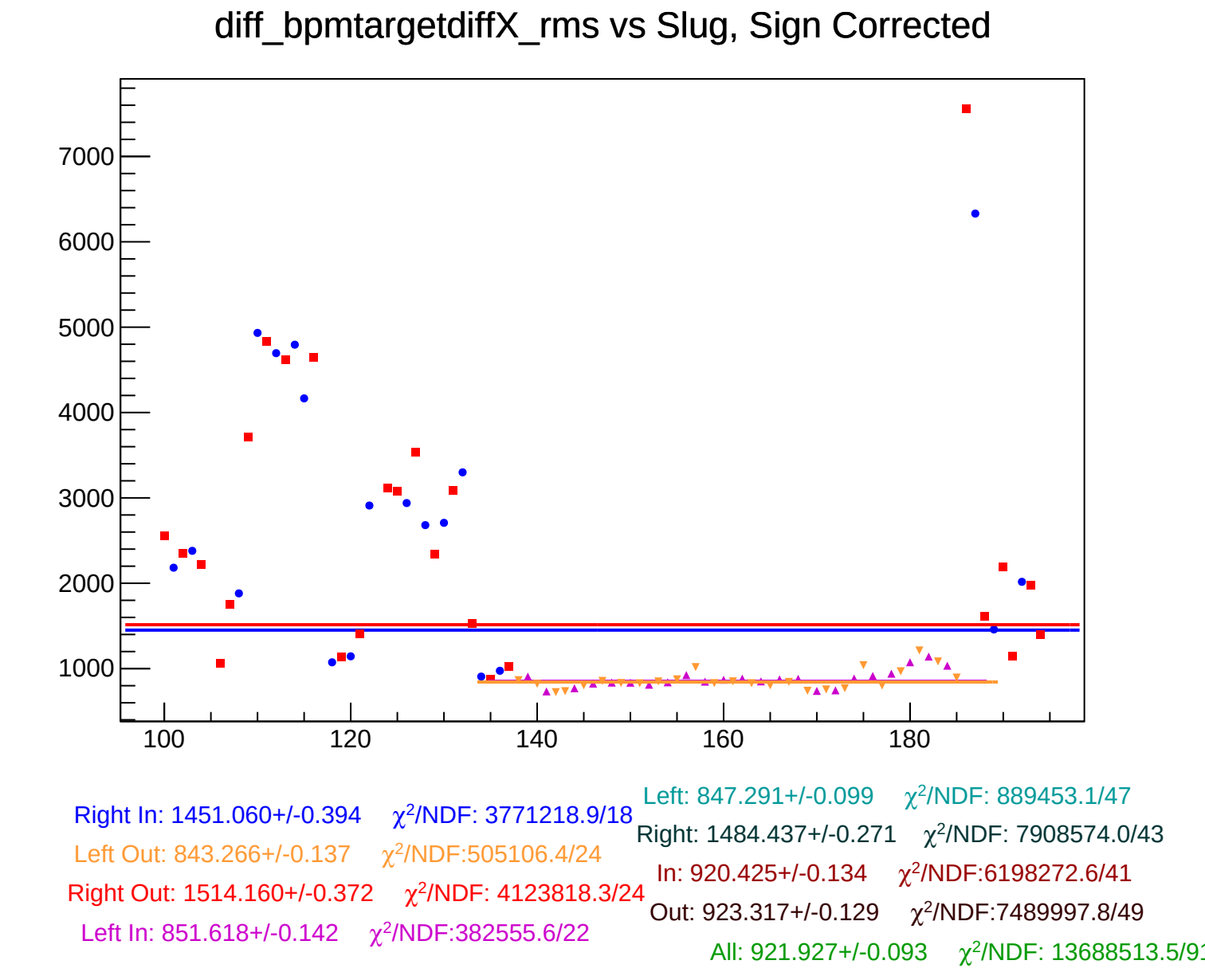
Left: 0.098+/-0.139 χ^2/NDF: 66.4/47

Right: -0.429+/-0.383 χ^2/NDF: 55.2/43

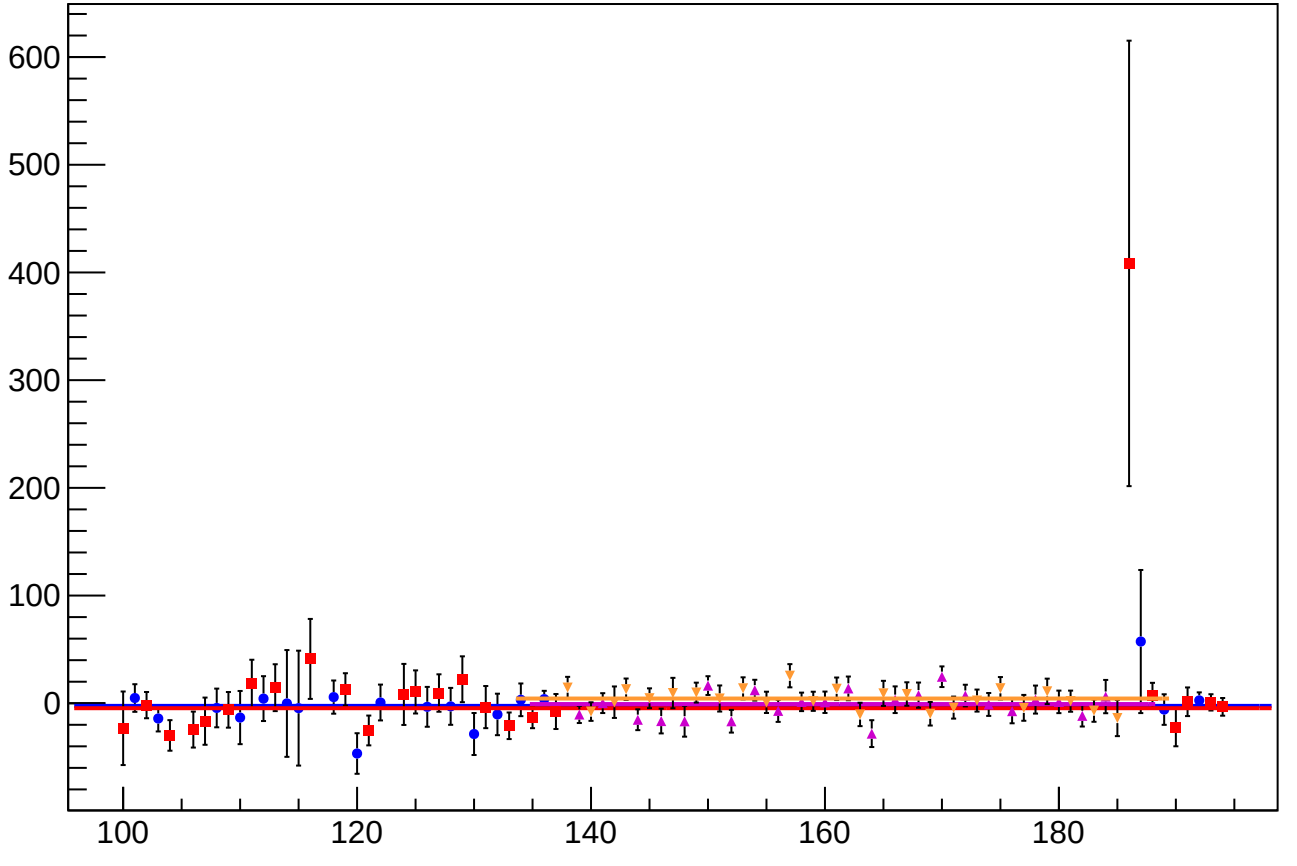
In: -0.229+/-0.189 χ^2/NDF:54.9/41

Out: 0.282+/-0.182 χ^2/NDF:64.6/49

All: 0.036+/-0.131 χ^2/NDF: 123.3/91


diff_bpmtargetdiffX_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
Right In: 1451.060+/-0.394 χ²/NDF: 3771218.9/18
Left Out: 843.266+/-0.137 χ²/NDF:505106.4/24
Right Out: 1514.160+/-0.372 χ²/NDF: 4123818.3/24
Left In: 851.618+/-0.142 χ²/NDF:382555.6/22
Left: 847.291+/-0.099 χ²/NDF: 889453.1/47
Right: 1484.437+/-0.271 χ²/NDF: 7908574.0/43
In: 920.425+/-0.134 χ²/NDF:6198272.6/41
Out: 923.317+/-0.129 χ²/NDF:7489997.8/49
All: 921.927+/-0.093 χ²/NDF: 13688513.5/91

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -2.436+/-3.382 χ^2/NDF: 11.5/18

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: -4.599+/-2.921 χ^2/NDF: 24.4/24

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

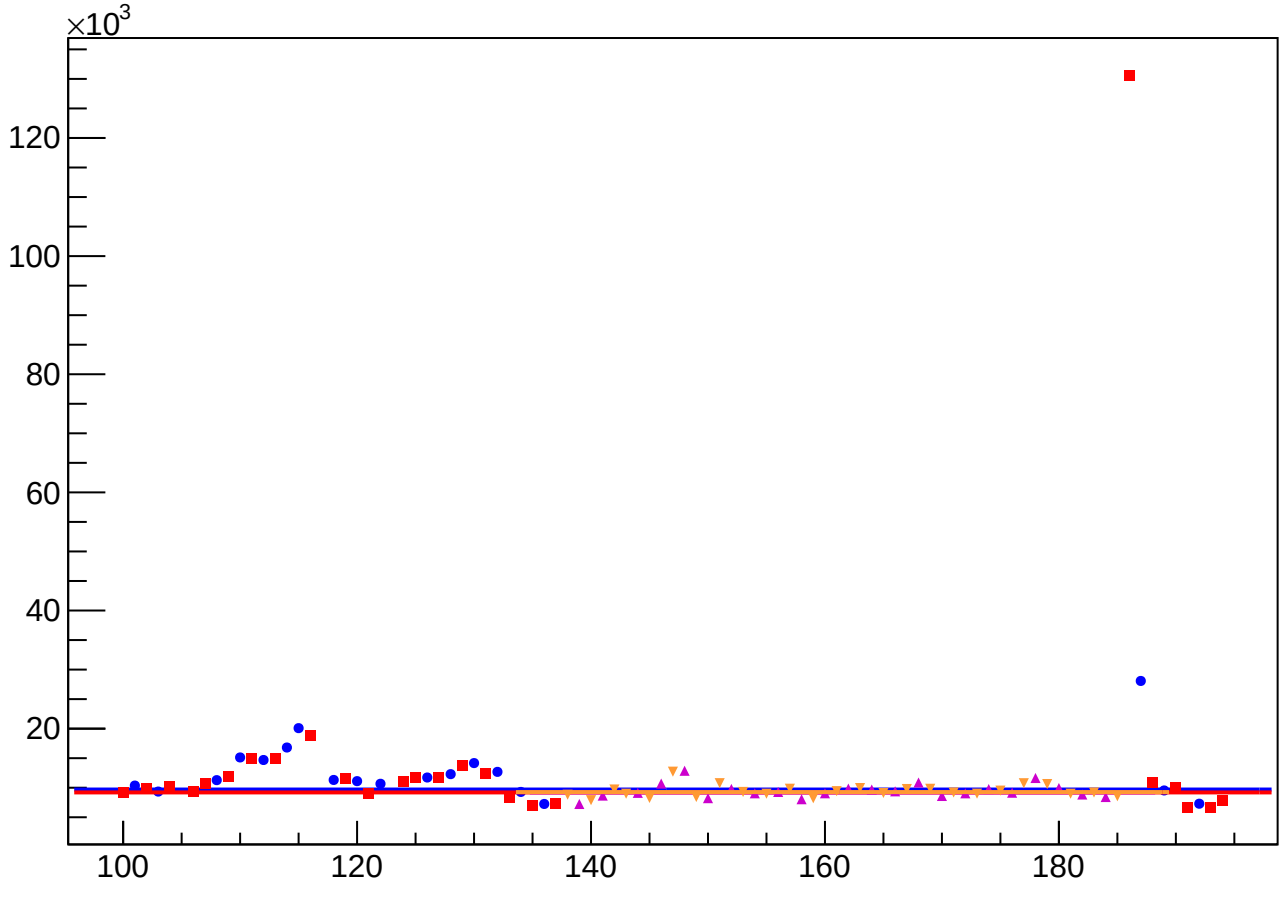
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -3.675+/-2.211 χ^2/NDF: 36.1/43

In: -1.230+/-1.827 χ^2/NDF:43.7/41

Out: 1.281+/-1.717 χ^2/NDF:49.2/49

All: 0.103+/-1.251 χ^2/NDF: 93.9/91



Right In: 9694.409+/-2.392 χ^2/NDF: 1178971.9/18

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 9204.785+/-2.066 χ^2/NDF: 1995192.6/24

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

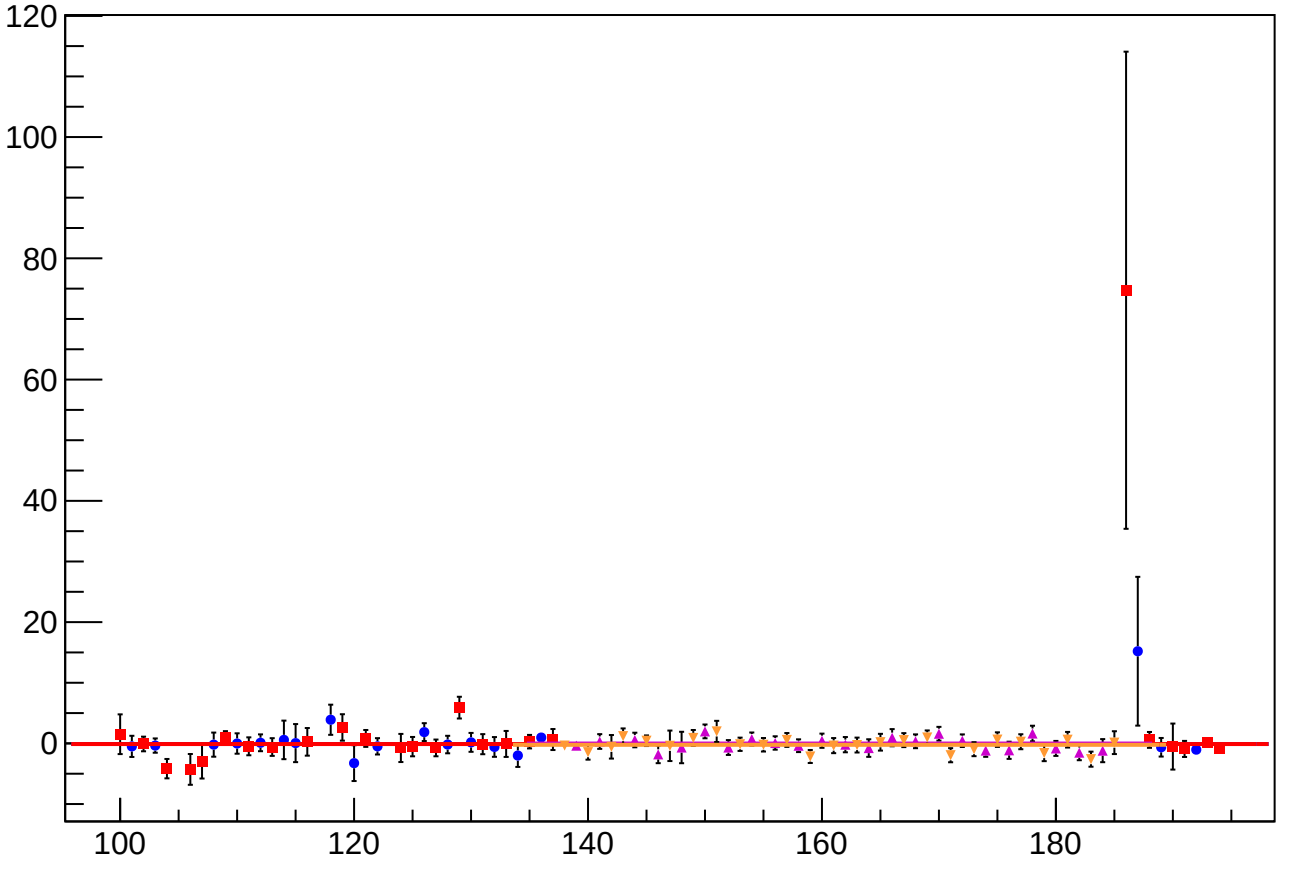
Right: 9413.990+/-1.563 χ^2/NDF: 3198167.5/43

In: 9343.897+/-1.292 χ^2/NDF:1724792.8/41

Out: 9241.944+/-1.214 χ^2/NDF:2361759.2/49

All: 9289.756+/-0.885 χ^2/NDF: 4089860.1/91

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: -0.100+/-0.335 χ^2/NDF: 11.8/18

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: -0.107+/-0.293 χ^2/NDF: 30.8/24

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

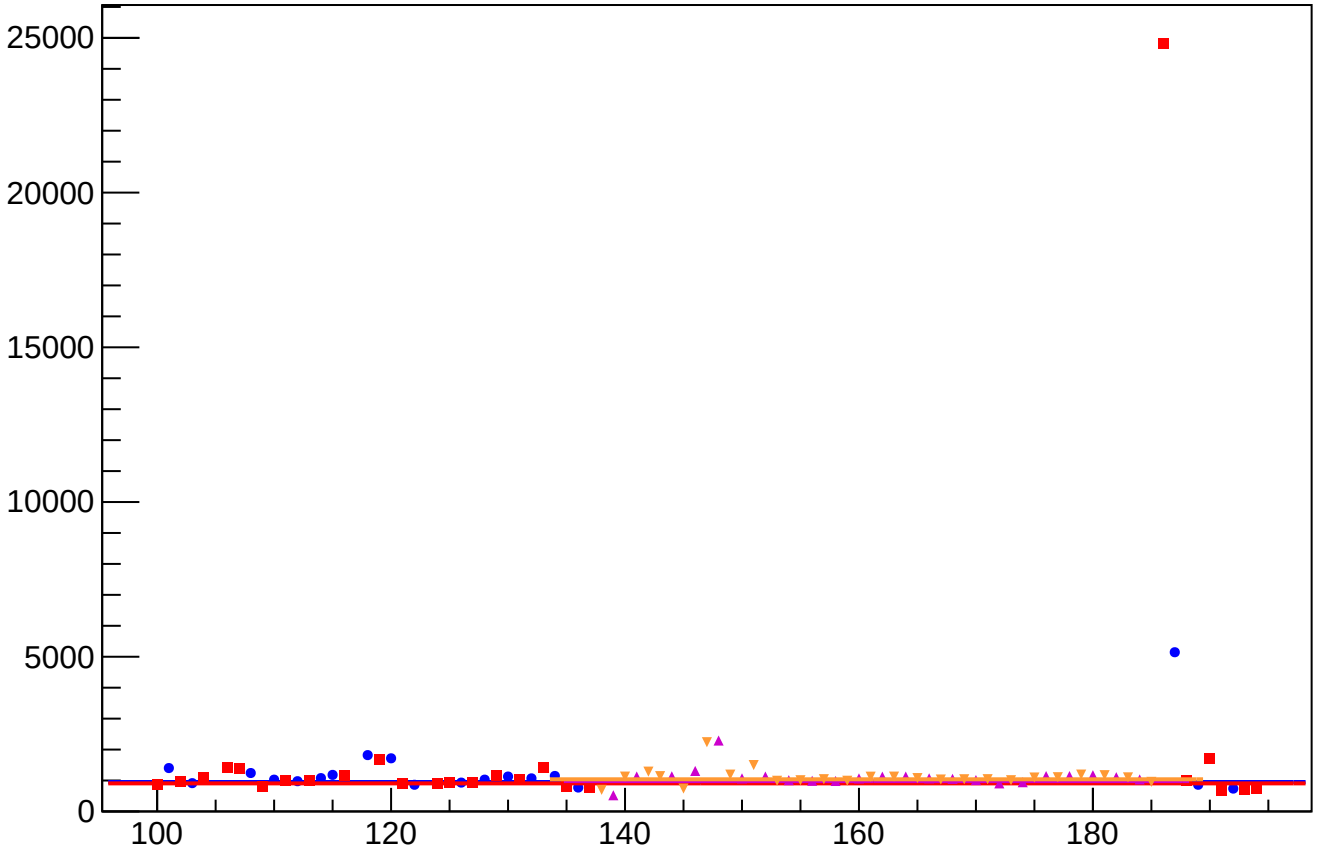
Right: -0.104+/-0.221 χ^2/NDF: 42.6/43

In: -0.050+/-0.195 χ^2/NDF:27.1/41

Out: -0.180+/-0.187 χ^2/NDF:49.8/49

All: -0.117+/-0.135 χ^2/NDF: 77.1/91

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 951.572+/-0.237 χ^2/NDF: 1144368.9/18

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 907.265+/-0.207 χ^2/NDF: 1792334.5/24

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

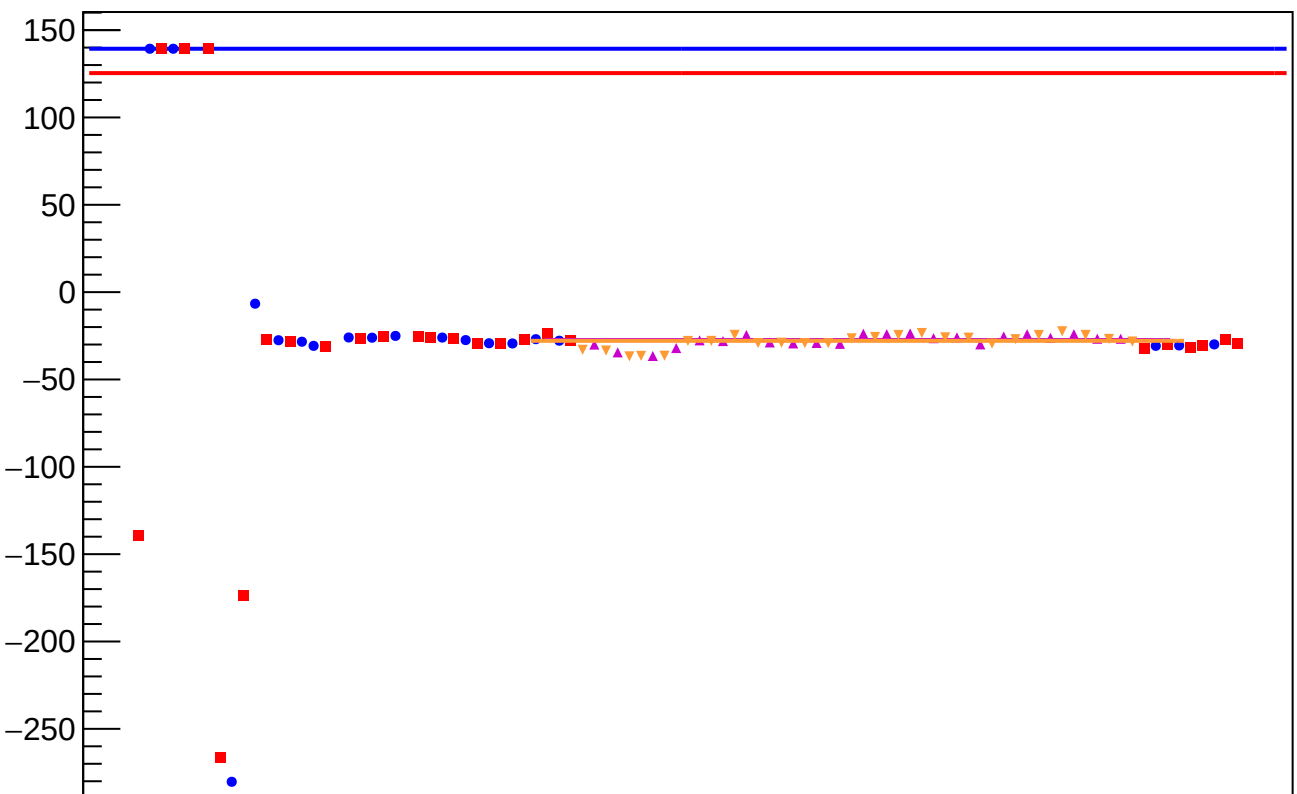
Right: 926.454+/-0.156 χ^2/NDF: 2956518.0/43

In: 971.523+/-0.138 χ^2/NDF:3380157.6/41

Out: 985.445+/-0.132 χ^2/NDF:3372892.8/49

All: 978.755+/-0.095 χ^2/NDF: 6758365.2/91

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 49878453723.8/18

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.392+/-0.000 χ^2/NDF: 774178382307243.5/24

Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

Left: -27.654+/-0.000 χ^2/NDF: 305673778.0/47

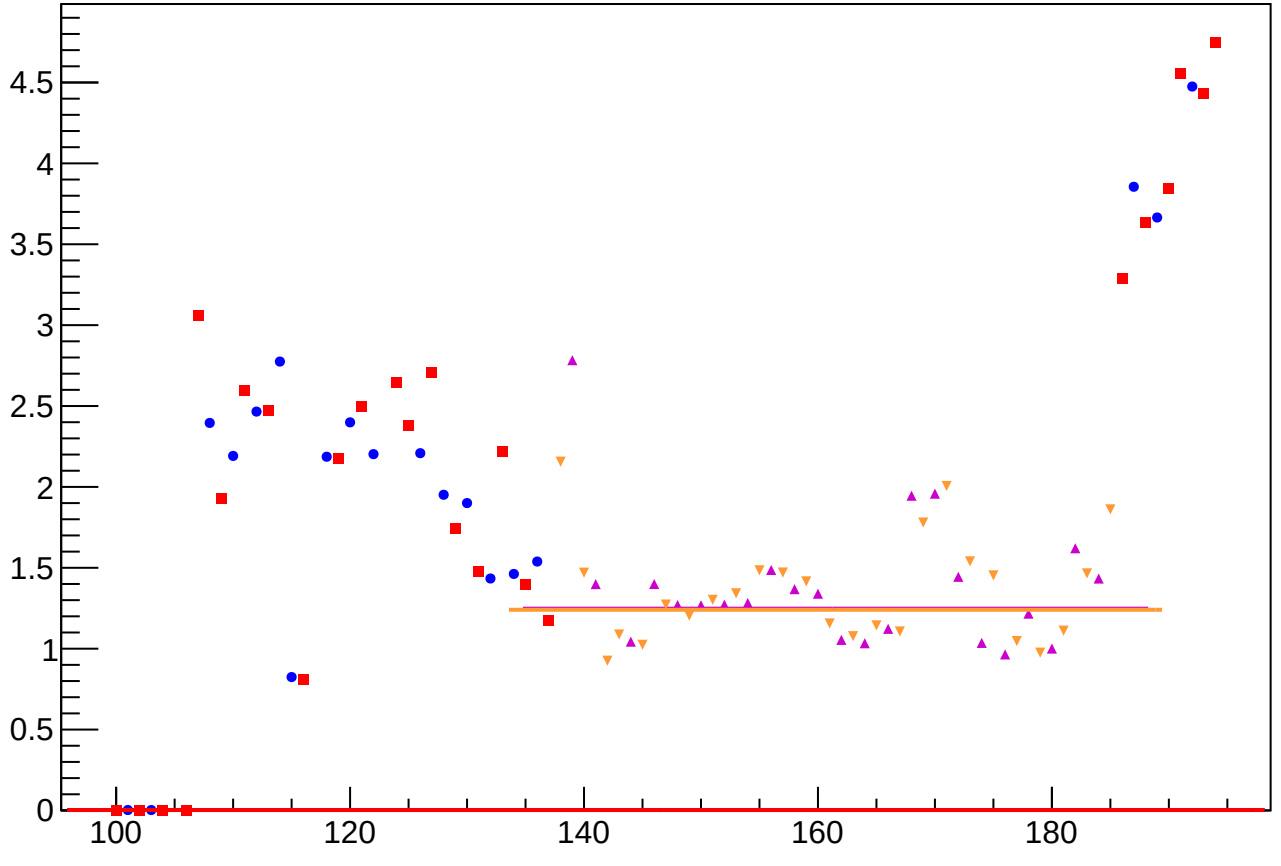
Right: 131.818+/-0.000 χ^2/NDF: 793013254262582

In: 139.328+/-0.000 χ^2/NDF:304278053123.8/41

Out: 125.384+/-0.000 χ^2/NDF:774409071000851.

All: 131.810+/-0.000 χ^2/NDF: 79349566811

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 12836768.6/18

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 16808537.7/24

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

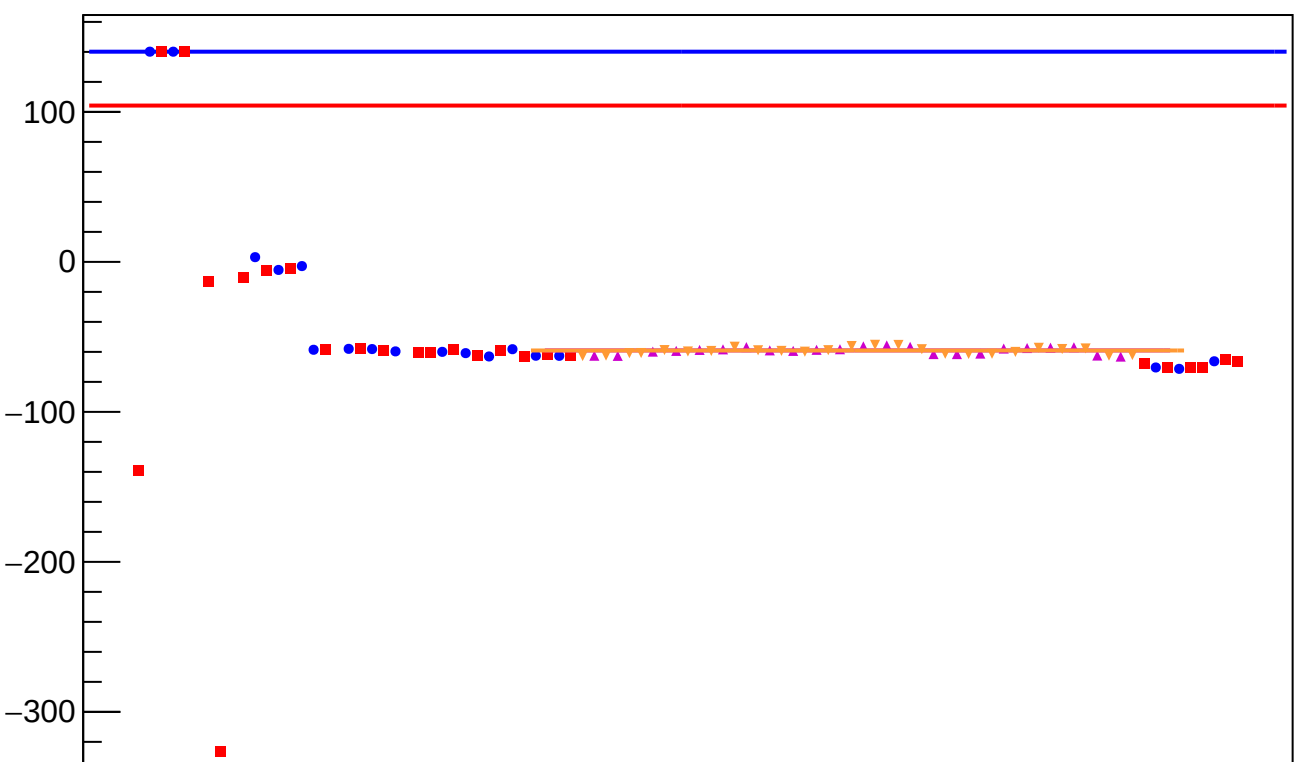
Right: 0.003+/-0.000 χ^2/NDF: 29645467.5/43

In: 0.003+/-0.000 χ^2/NDF:42602432.5/41

Out: 0.003+/-0.000 χ^2/NDF:48108728.5/49

All: 0.003+/-0.000 χ^2/NDF: 90711390.2/91

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 140.142+/-0.000 χ^2/NDF: 236985576130.5/18

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.222+/-0.000 χ^2/NDF: 1257470042405177.0/24

Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

Left: -59.043+/-0.000 χ^2/NDF: 356781901.8/47

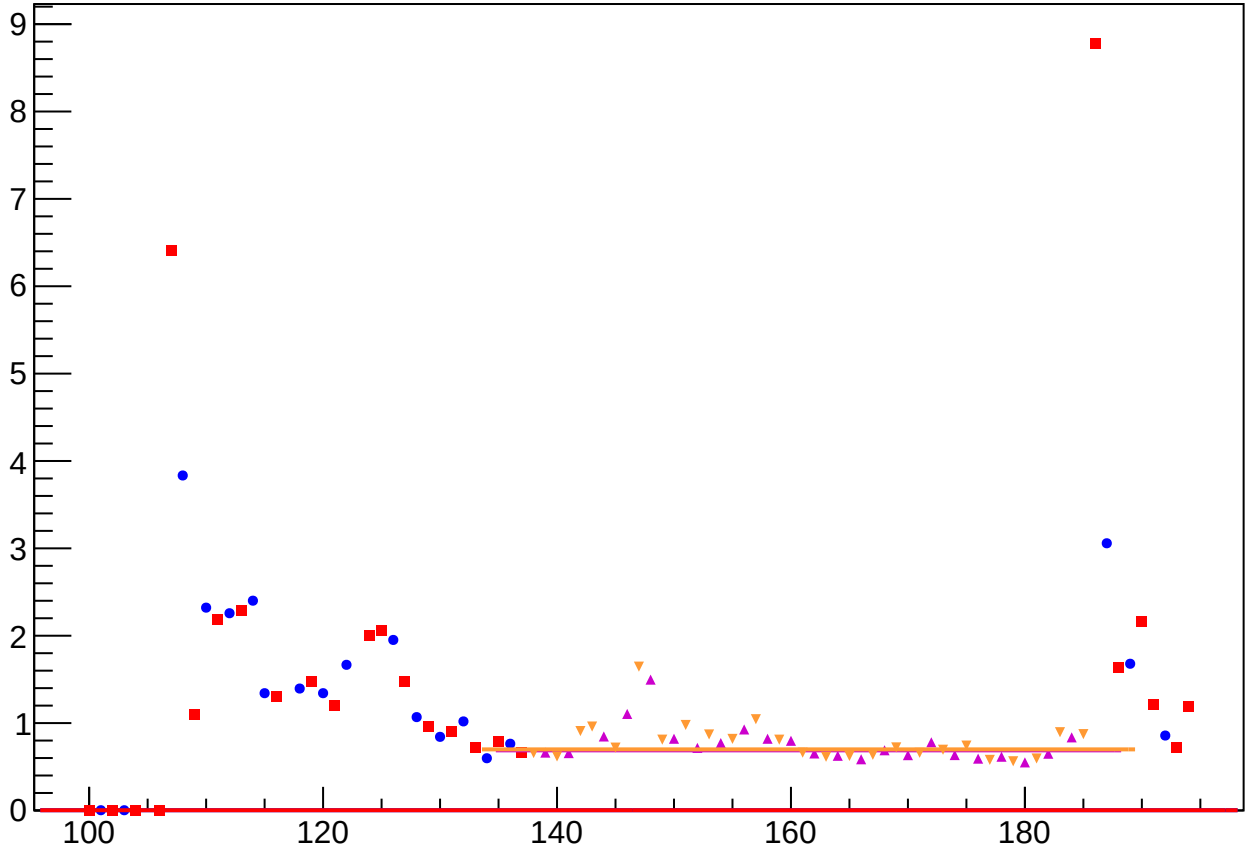
Right: 120.830+/-0.000 χ^2/NDF: 138101848169064

In: 140.106+/-0.000 χ^2/NDF:1512572886749.5/41

Out: 104.197+/-0.000 χ^2/NDF:125834167766536

All: 120.800+/-0.000 χ^2/NDF: 13831166318

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 13285826.4/18

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 16587603.9/24

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

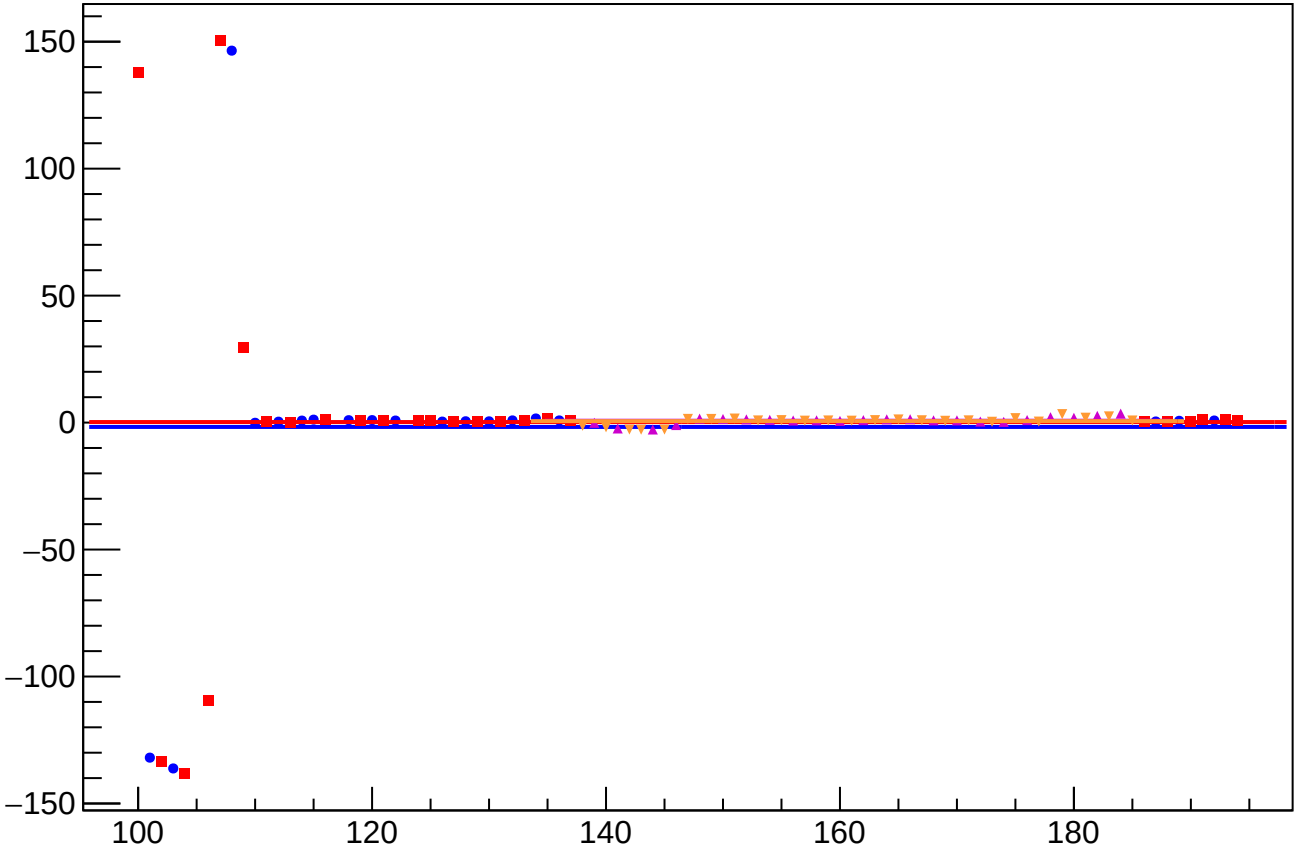
Right: 0.003+/-0.000 χ^2/NDF: 29873577.3/43

In: 0.003+/-0.000 χ^2/NDF:44592149.6/41

Out: 0.003+/-0.000 χ^2/NDF:49644721.9/49

All: 0.003+/-0.000 χ^2/NDF: 94237202.0/91

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.713+/-0.000 χ^2/NDF: 9891462016.3/18

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.213+/-0.000 χ^2/NDF: 3611723800.1/24

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

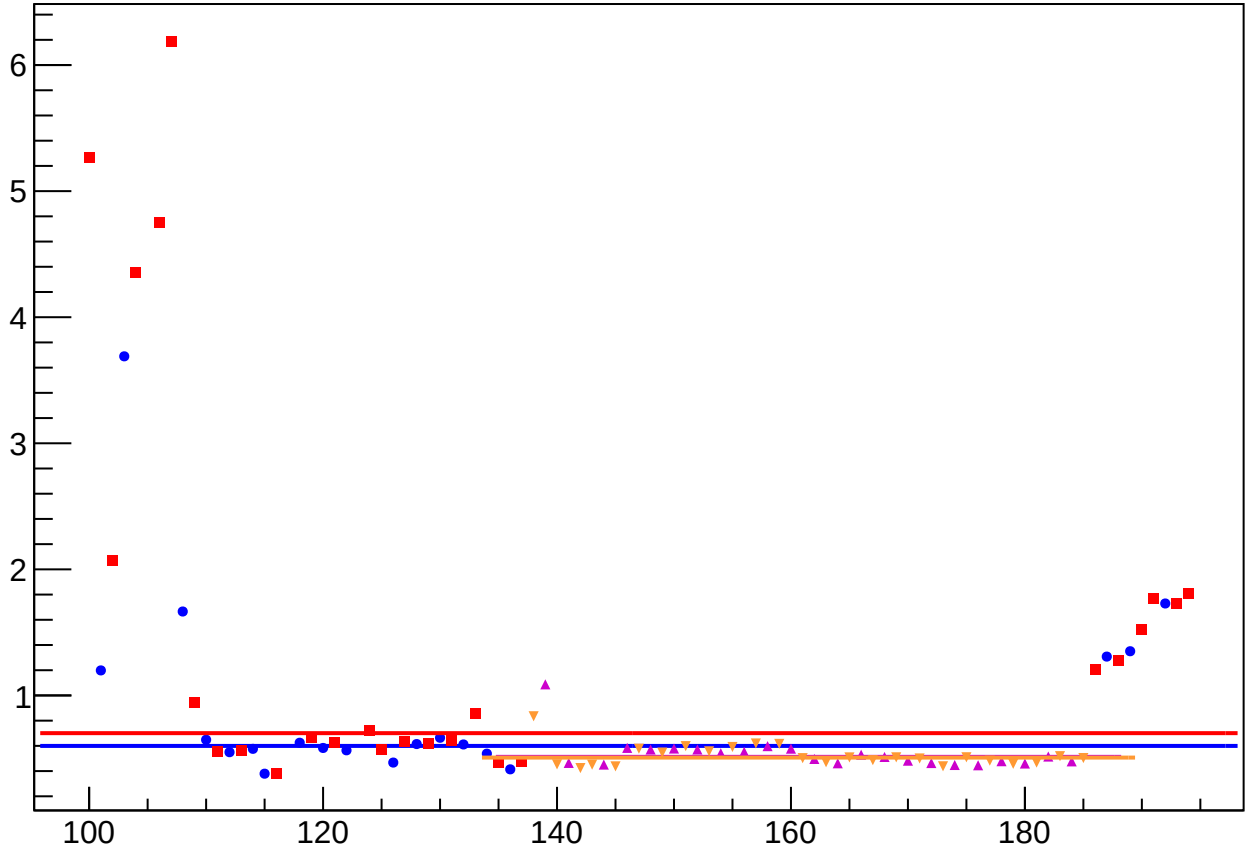
Right: -0.807+/-0.000 χ^2/NDF: 13532559589.6/43

In: 0.167+/-0.000 χ^2/NDF:10073983216.7/41

Out: 0.503+/-0.000 χ^2/NDF:3767661617.9/49

All: 0.339+/-0.000 χ^2/NDF: 13845837827.6/9

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.600+/-0.000 χ^2/NDF: 2883240.9/18

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.701+/-0.000 χ^2/NDF: 4797429.7/24

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

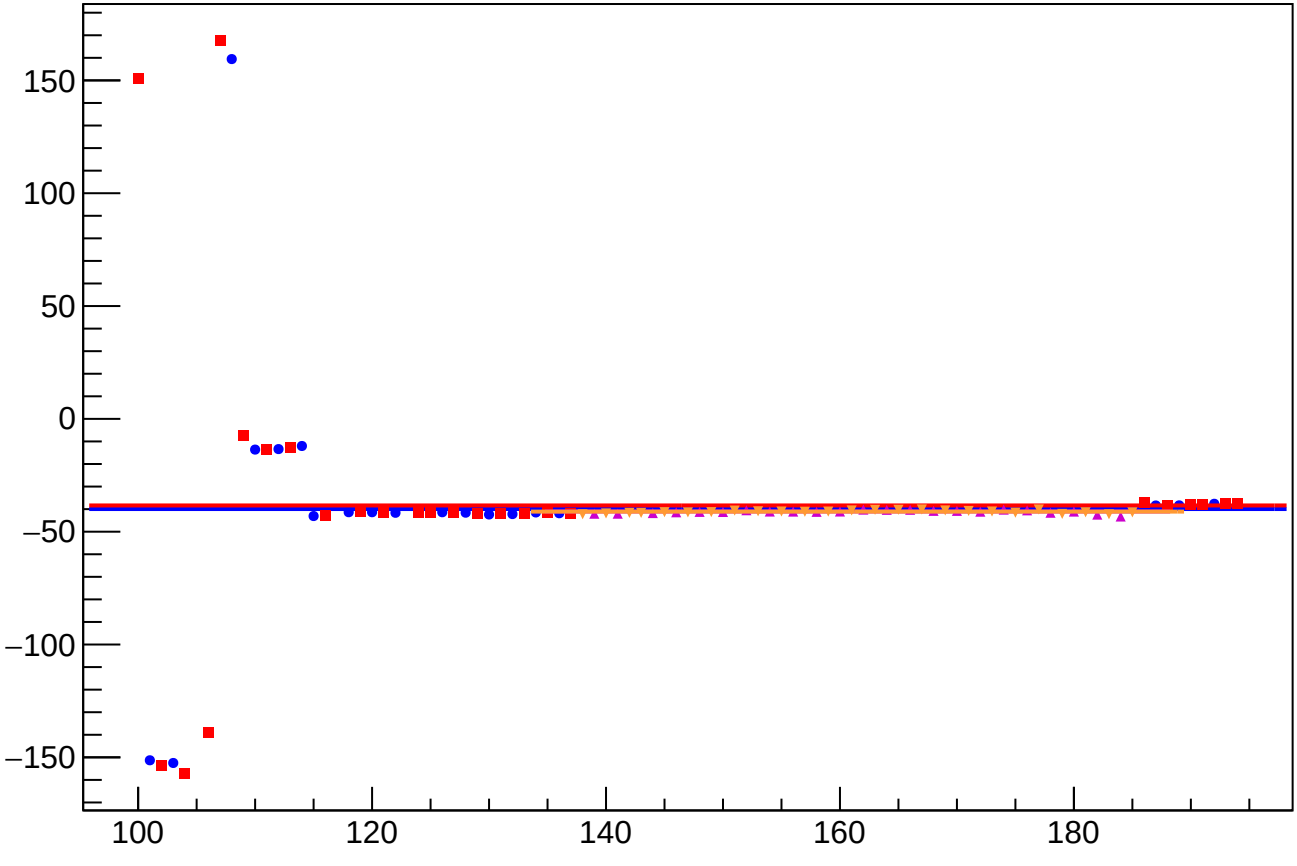
Right: 0.647+/-0.000 χ^2/NDF: 7843163.3/43

In: 0.533+/-0.000 χ^2/NDF:3831525.3/41

Out: 0.545+/-0.000 χ^2/NDF:6254336.1/49

All: 0.539+/-0.000 χ^2/NDF: 10097327.4/91

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -39.955+/-0.000 χ^2/NDF: 3511506052.2/18

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -38.367+/-0.000 χ^2/NDF: 2500884487.3/24

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

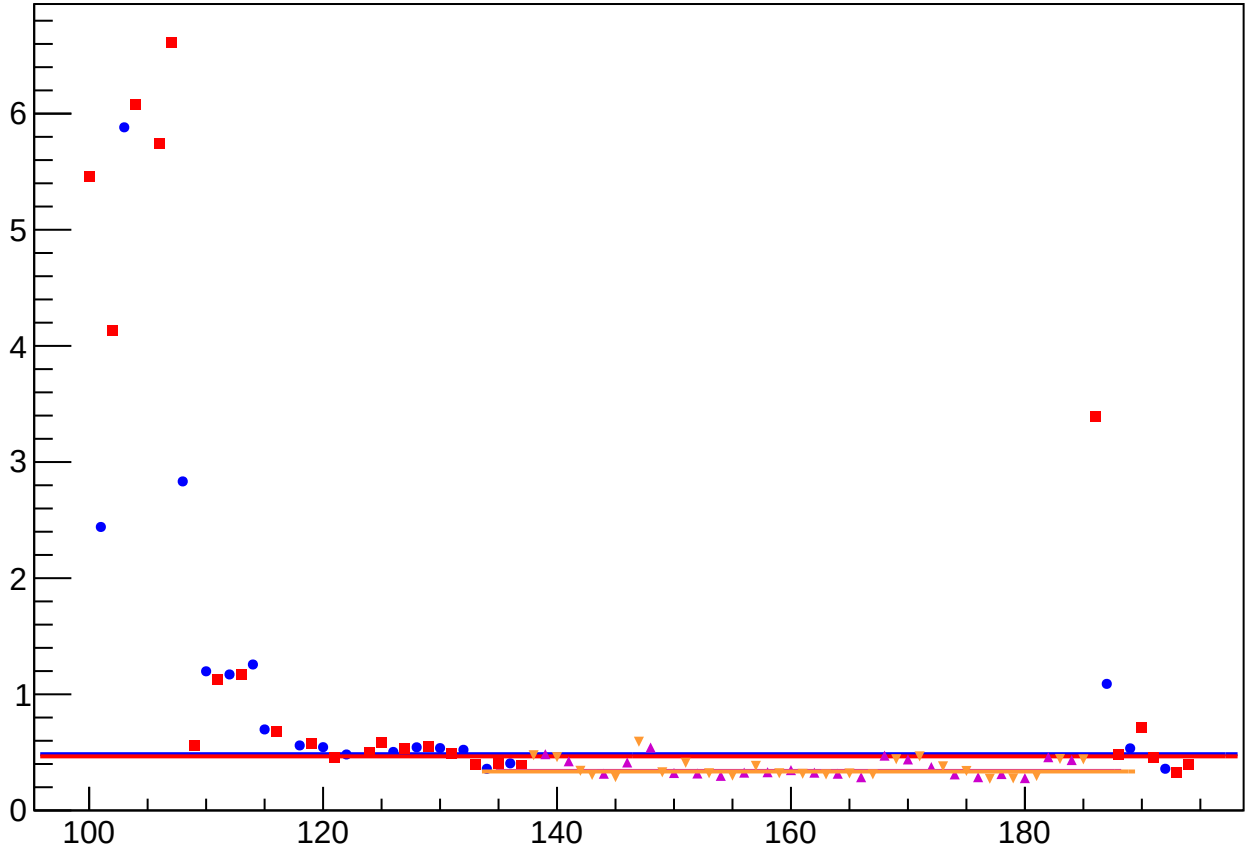
Right: -39.050+/-0.000 χ^2/NDF: 6051445107.7/43

In: -40.860+/-0.000 χ^2/NDF:3589295471.9/41

Out: -40.585+/-0.000 χ^2/NDF:2778652691.4/49

All: -40.715+/-0.000 χ^2/NDF: 6374814248.9/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.484+/-0.000 χ^2/NDF: 3339021.5/18

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.466+/-0.000 χ^2/NDF: 4352835.7/24

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

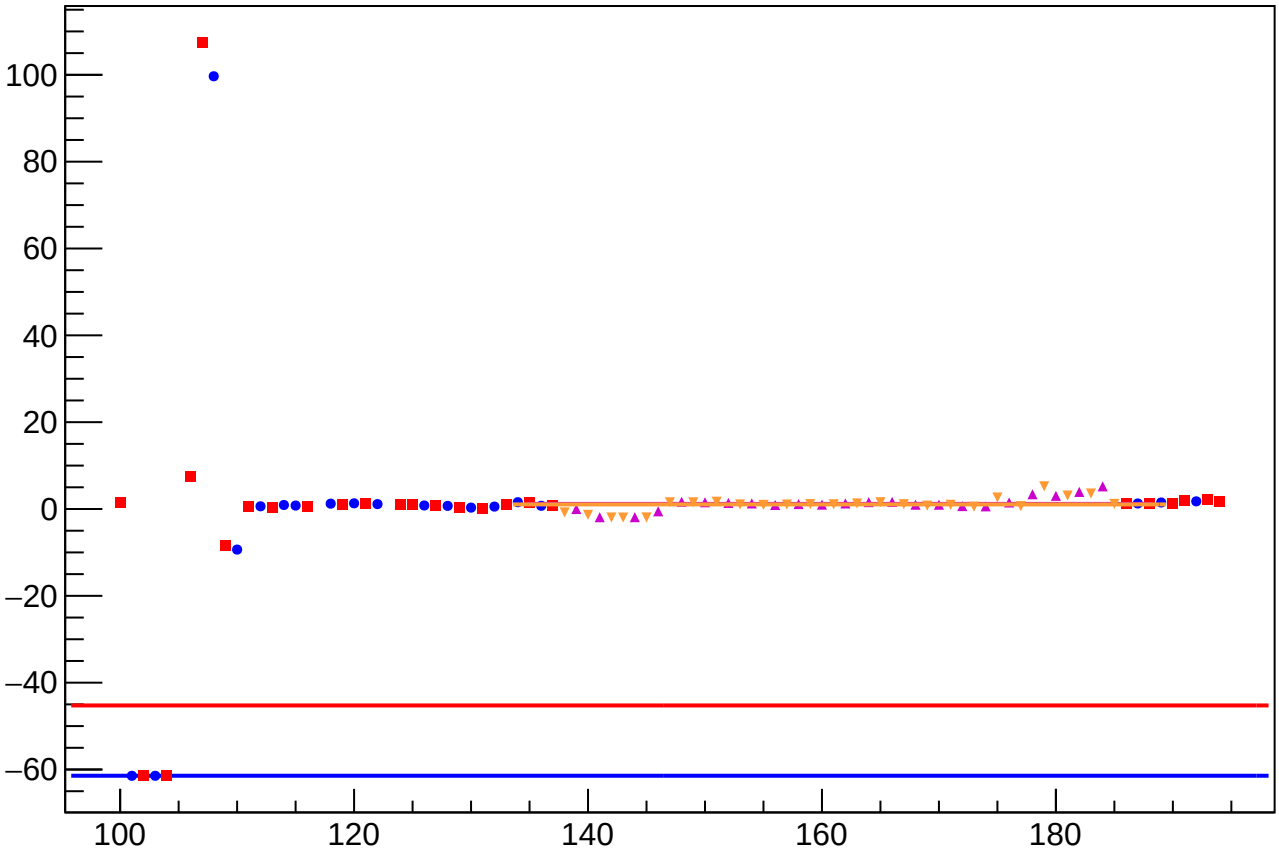
Right: 0.474+/-0.000 χ^2/NDF: 7702707.3/43

In: 0.363+/-0.000 χ^2/NDF:5355626.4/41

Out: 0.360+/-0.000 χ^2/NDF:6581059.4/49

All: 0.361+/-0.000 χ^2/NDF: 11938491.7/91

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 277105896792.8/18

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 357874811477445.5/24

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

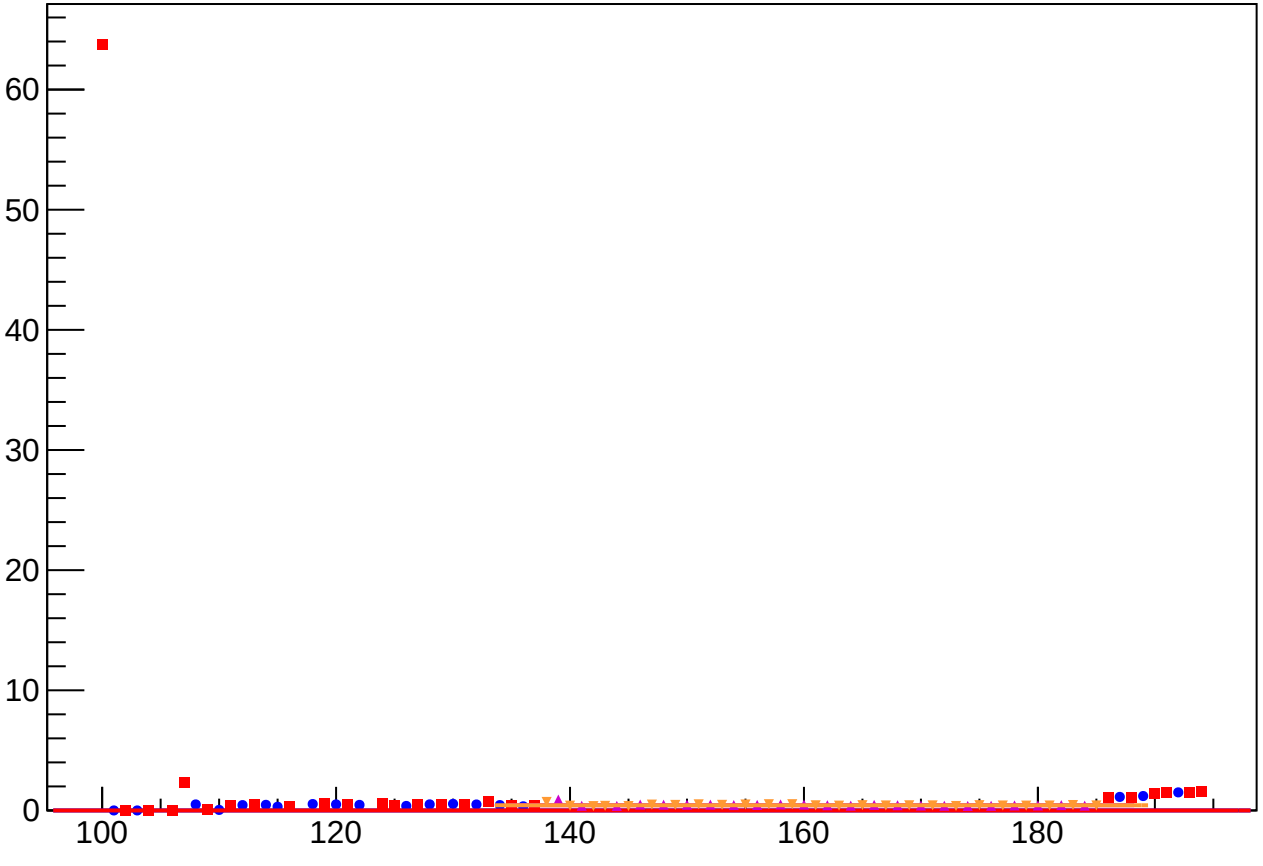
Right: -52.749+/-0.000 χ^2/NDF: 409130639088836

In: -61.422+/-0.000 χ^2/NDF:579971386090.0/41

Out: -45.236+/-0.000 χ^2/NDF:358056094029862.4

All: -52.738+/-0.000 χ^2/NDF: 409600052413

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 12424439.1/18

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

Right Out: 0.001+/-0.000 χ^2/NDF: 16414755.6/24

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

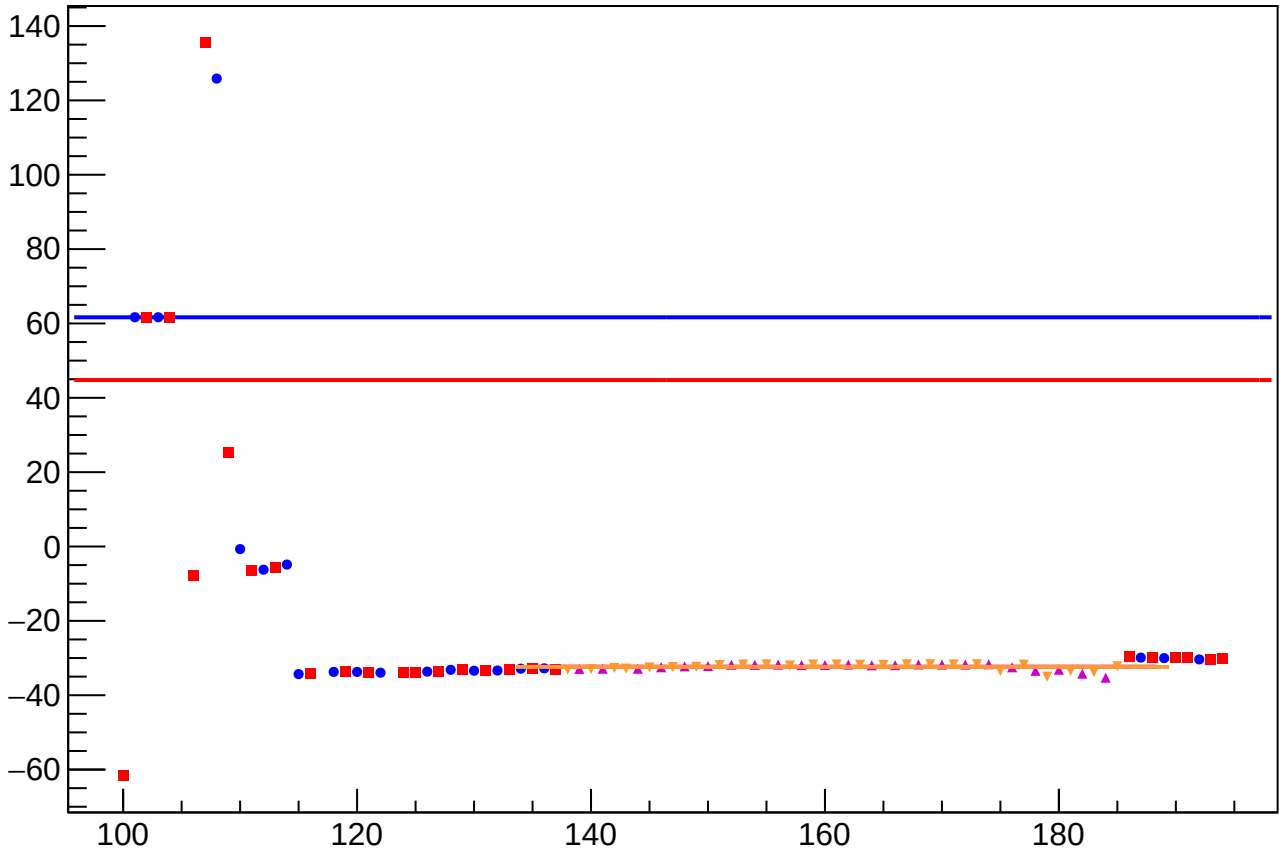
Right: 0.001+/-0.000 χ^2/NDF: 28839194.9/43

In: 0.002+/-0.000 χ^2/NDF:42566150.8/41

Out: 0.002+/-0.000 χ^2/NDF:48180933.7/49

All: 0.002+/-0.000 χ^2/NDF: 90747097.9/91

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.658+/-0.000 χ^2/NDF: 476606965358.4/18

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.781+/-0.000 χ^2/NDF: 3662360433466 27.7/24

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

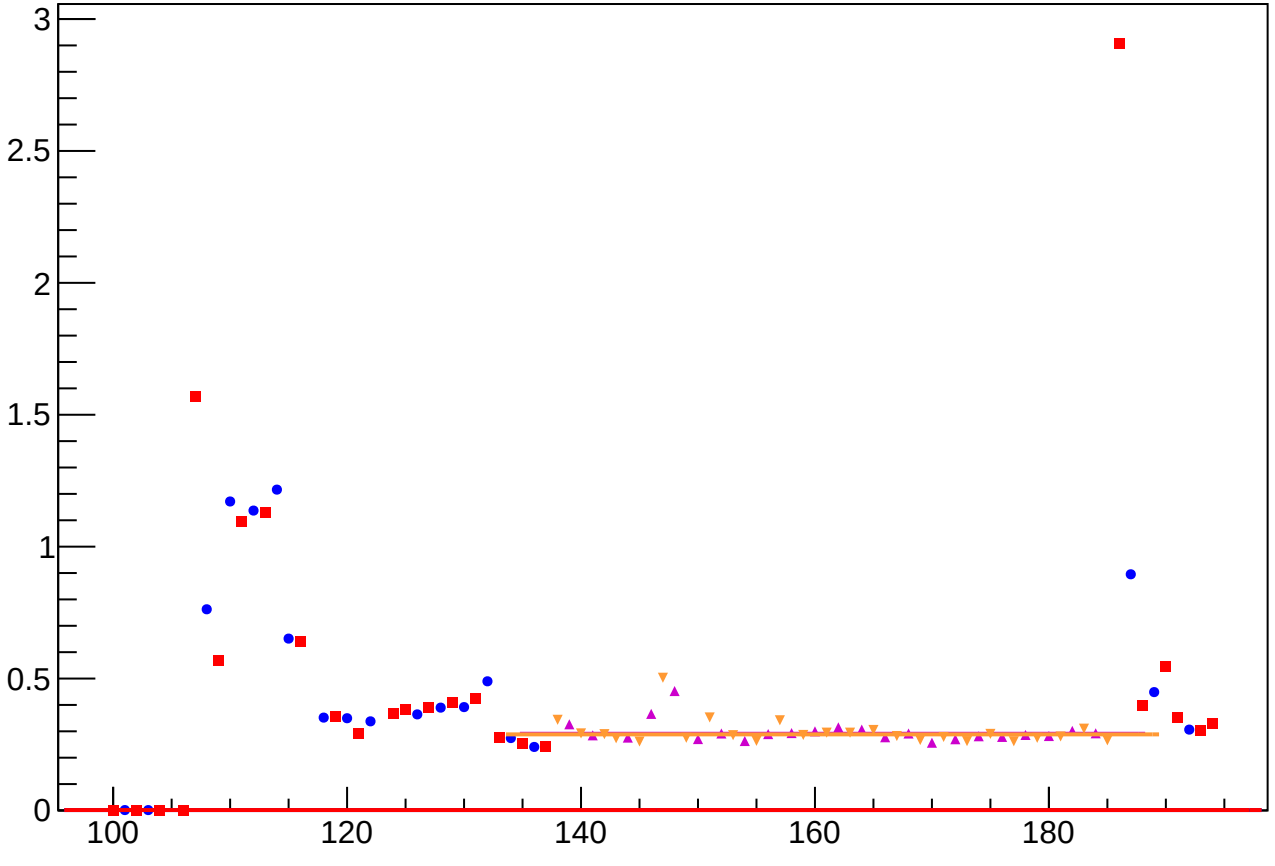
Right: 52.684+/-0.000 χ^2/NDF: 417827978365157.8

In: 61.601+/-0.000 χ^2/NDF:2300351688833.2/41

Out: 44.736+/-0.000 χ^2/NDF:367554469859826.9

All: 52.634+/-0.000 χ^2/NDF: 420922373877

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 14213424.6/18

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 17494845.3/24

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

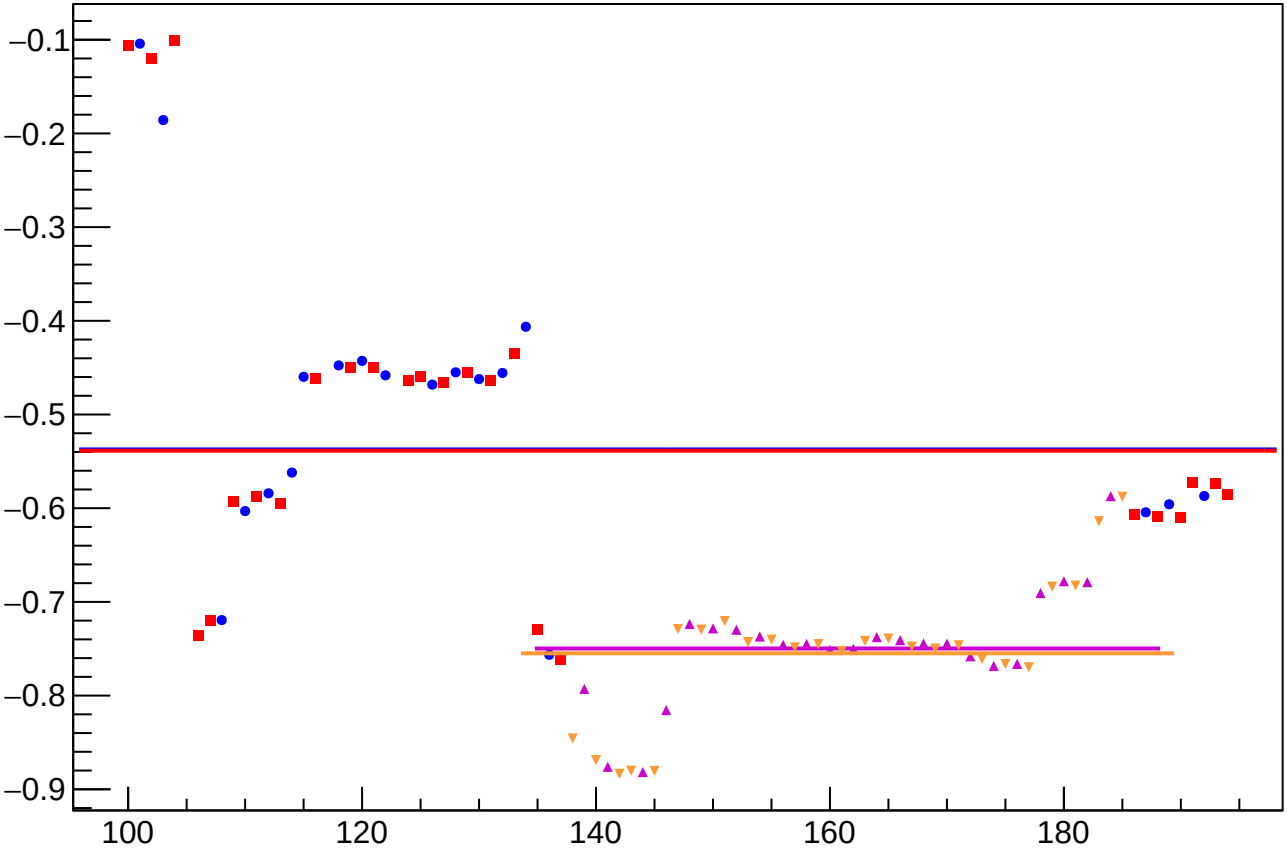
Right: 0.002+/-0.000 χ^2/NDF: 31708573.3/43

In: 0.002+/-0.000 χ^2/NDF:49120729.5/41

Out: 0.002+/-0.000 χ^2/NDF:54450402.1/49

All: 0.002+/-0.000 χ^2/NDF: 103571246.8/91

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.537+/-0.000 χ^2/NDF: 302399464.5/18

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.539+/-0.000 χ^2/NDF: 218468152.3/24

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

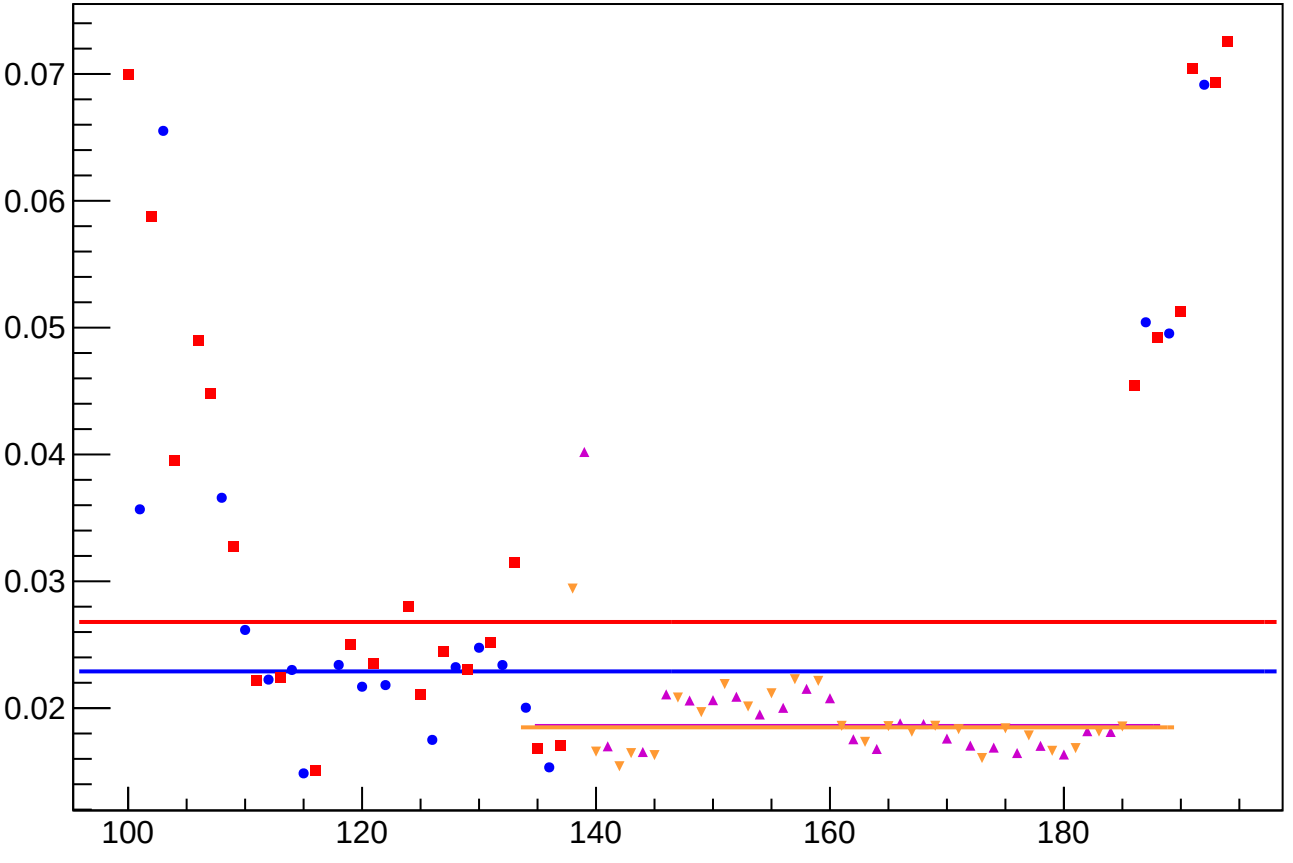
Right: -0.538+/-0.000 χ^2/NDF: 520878462.8/43

In: -0.703+/-0.000 χ^2/NDF:868244596.9/41

Out: -0.713+/-0.000 χ^2/NDF:847415872.8/49

All: -0.708+/-0.000 χ^2/NDF: 1718523965.4/9

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF: 2454414.7/18

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.027+/-0.000 χ^2/NDF: 3619842.9/24

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

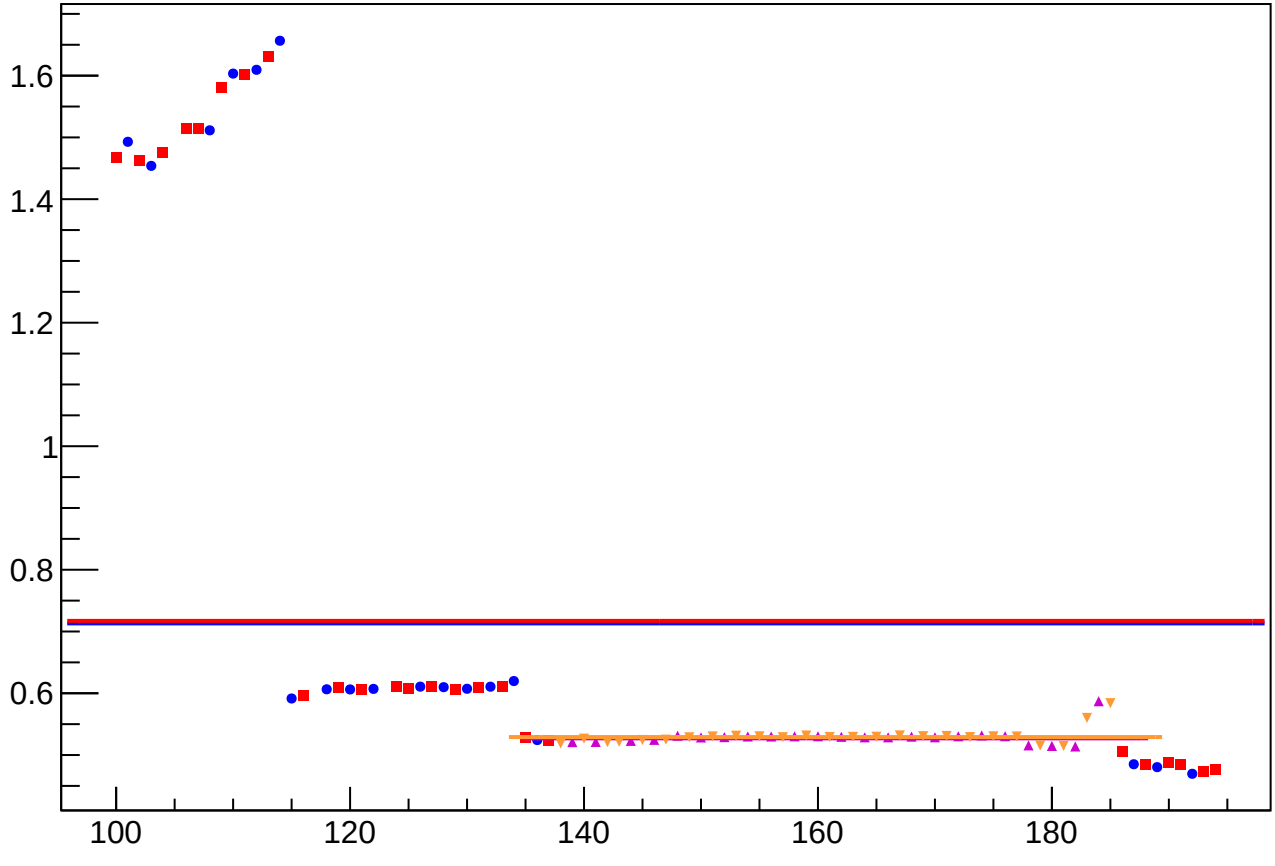
Right: 0.025+/-0.000 χ^2/NDF: 6249687.9/43

In: 0.020+/-0.000 χ^2/NDF:3542162.1/41

Out: 0.020+/-0.000 χ^2/NDF:5340655.0/49

All: 0.020+/-0.000 χ^2/NDF: 8899941.8/91

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.713+/-0.000 χ^2/NDF: 4716616514.0/18

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.717+/-0.000 χ^2/NDF: 5680682461.7/24

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

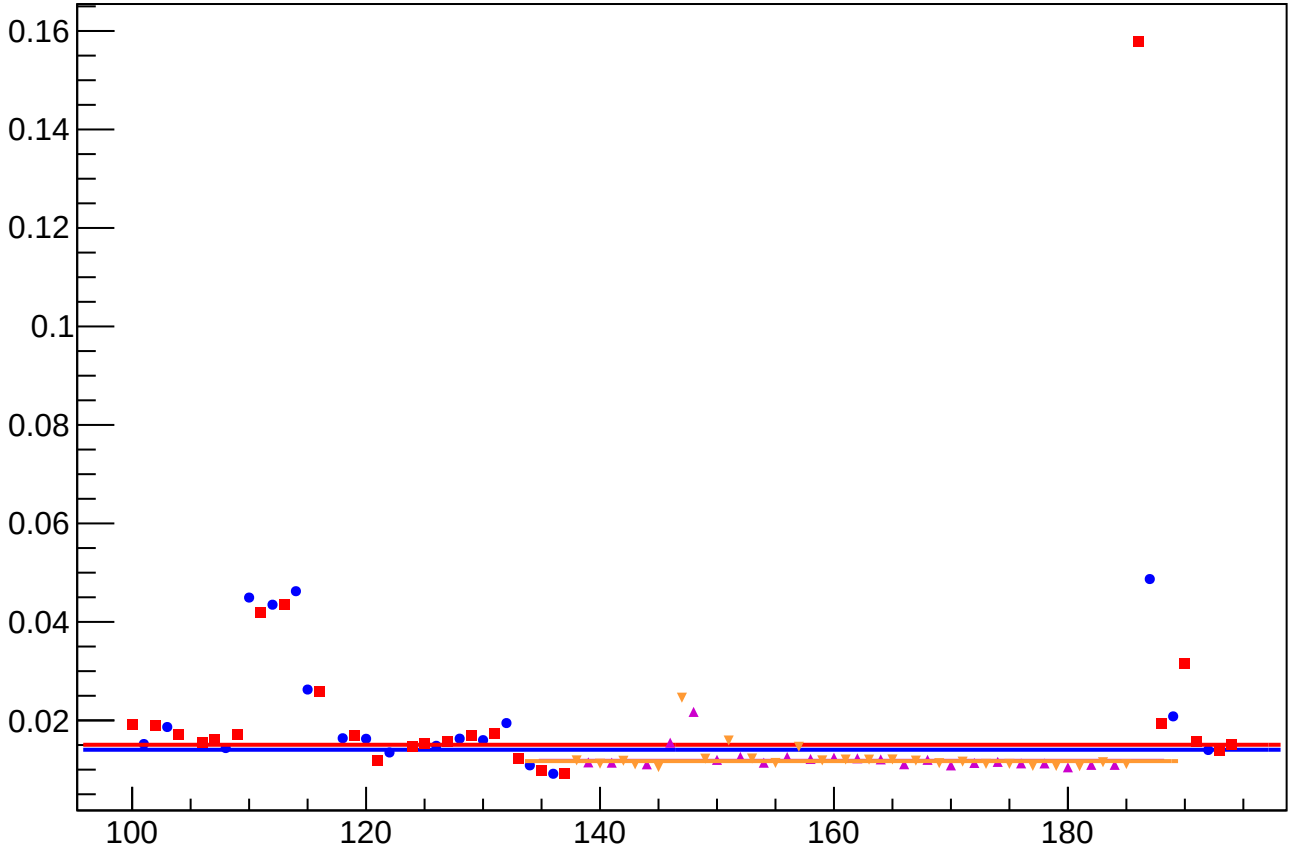
Right: 0.715+/-0.000 χ^2/NDF: 10397622056.3/43

In: 0.570+/-0.000 χ^2/NDF:5731385919.5/41

Out: 0.573+/-0.000 χ^2/NDF:6805634150.4/49

All: 0.571+/-0.000 χ^2/NDF: 12537939753.0/9

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1932001.3/18

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2363202.5/24

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

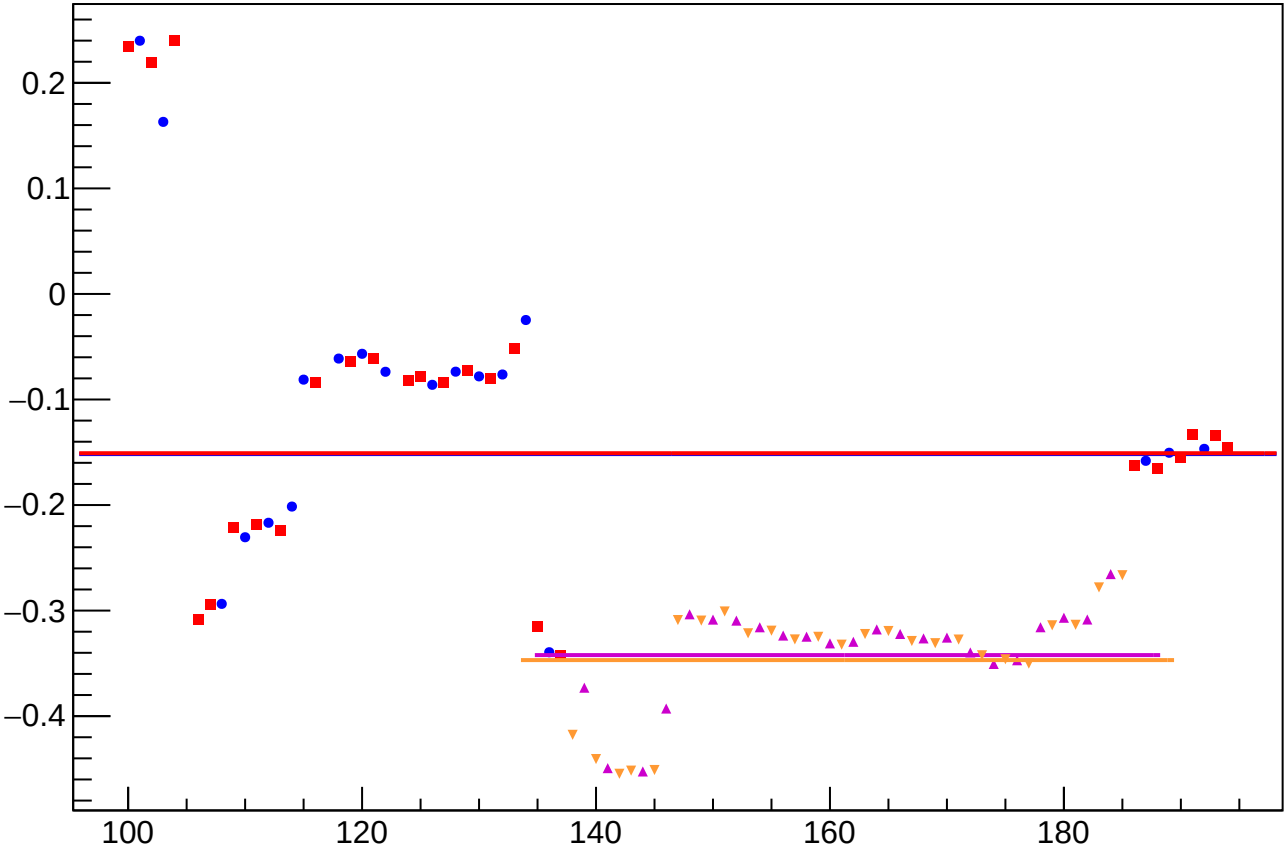
Right: 0.015+/-0.000 χ^2/NDF: 4335390.6/43

In: 0.012+/-0.000 χ^2/NDF:2744133.4/41

Out: 0.013+/-0.000 χ^2/NDF:3753089.3/49

All: 0.012+/-0.000 χ^2/NDF: 6504134.3/91

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276800177.0/18

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.151+/-0.000 χ^2/NDF: 199580726.6/24

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

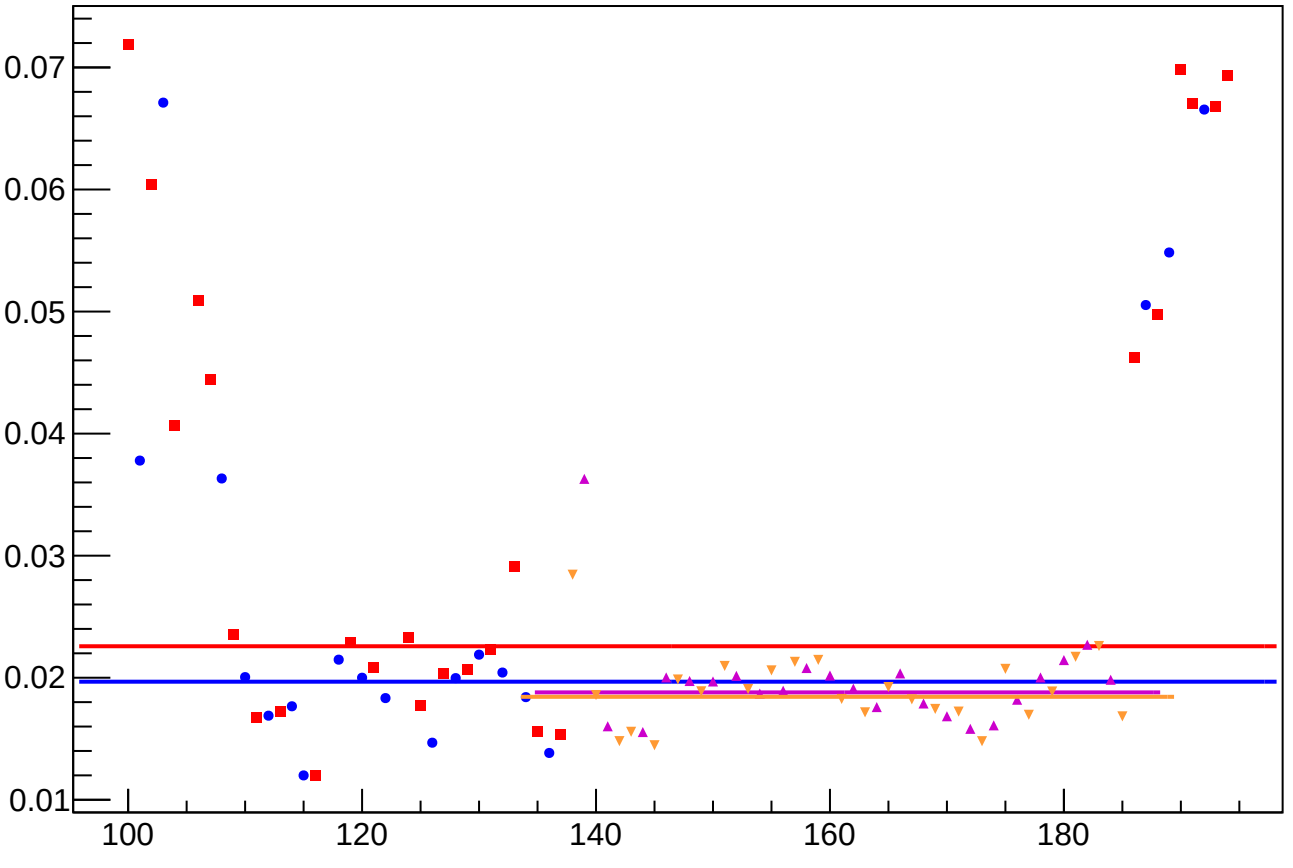
Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

Right: -0.151+/-0.000 χ^2/NDF: 476386042.0/43

In: -0.290+/-0.000 χ^2/NDF:783880064.1/41

Out: -0.300+/-0.000 χ^2/NDF:755791980.0/49

All: -0.295+/-0.000 χ^2/NDF: 1542356813.4/9



Right In: 0.020+/-0.000 χ^2/NDF: 2911279.2/18

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.023+/-0.000 χ^2/NDF: 4501923.3/24

Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

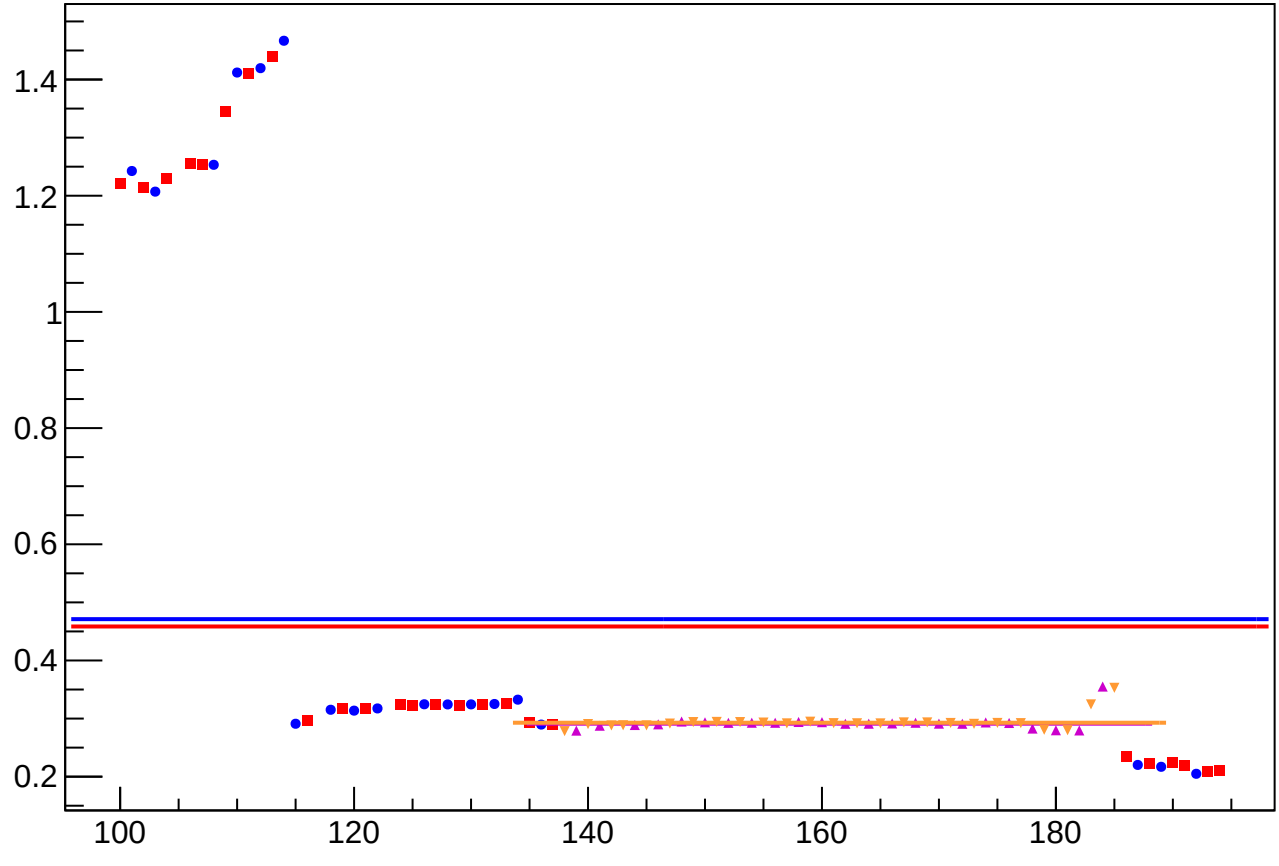
Right: 0.021+/-0.000 χ^2/NDF: 7542019.8/43

In: 0.019+/-0.000 χ^2/NDF:3647746.5/41

Out: 0.019+/-0.000 χ^2/NDF:5526432.8/49

All: 0.019+/-0.000 χ^2/NDF: 9183430.6/91

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.471+/-0.000 χ^2/NDF: 6942177472.8/18

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.459+/-0.000 χ^2/NDF: 8068425190.5/24

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

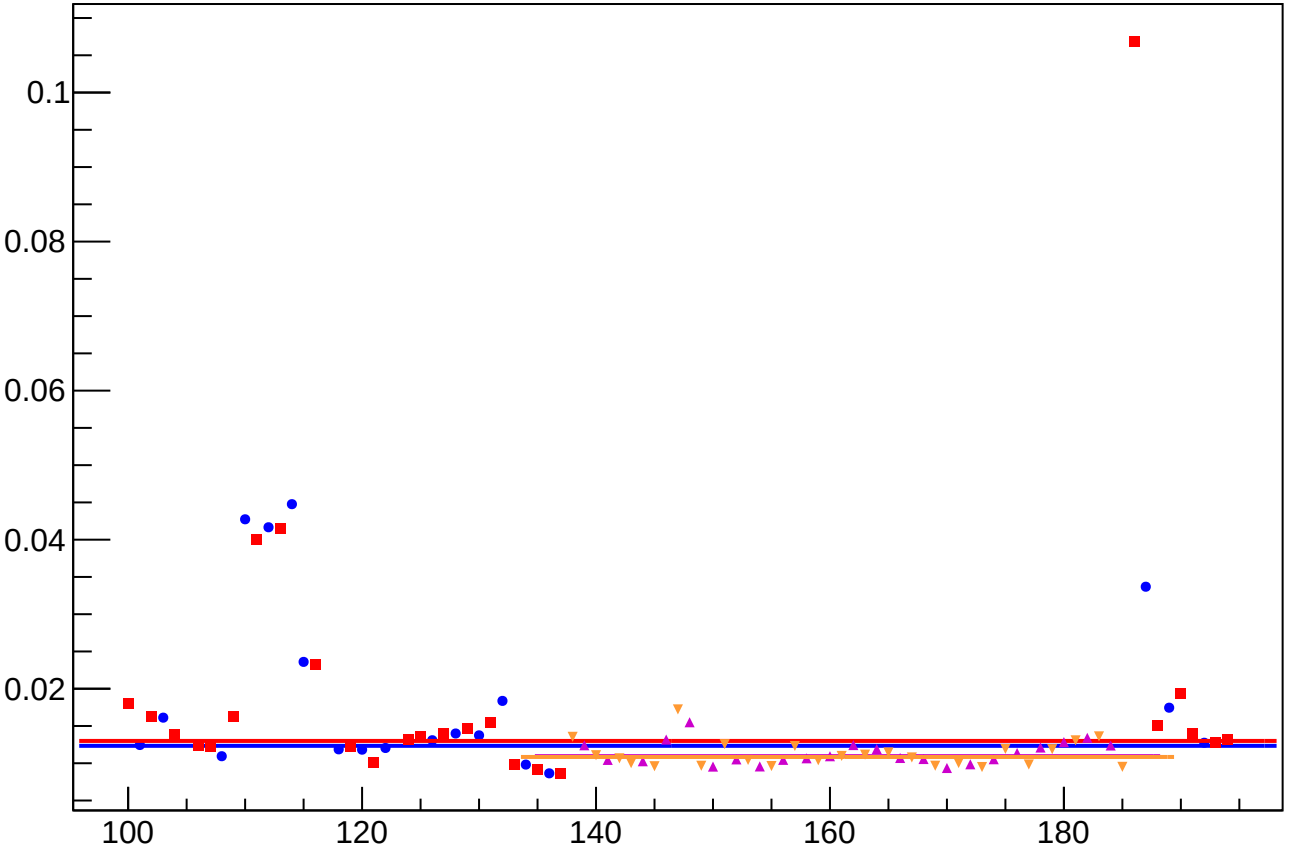
Right: 0.464+/-0.000 χ^2/NDF: 15014734177.2/43

In: 0.337+/-0.000 χ^2/NDF:8138216176.7/41

Out: 0.336+/-0.000 χ^2/NDF:9199118623.5/49

All: 0.336+/-0.000 χ^2/NDF: 17337388450.7/9

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1732613.1/18

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2149091.0/24

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

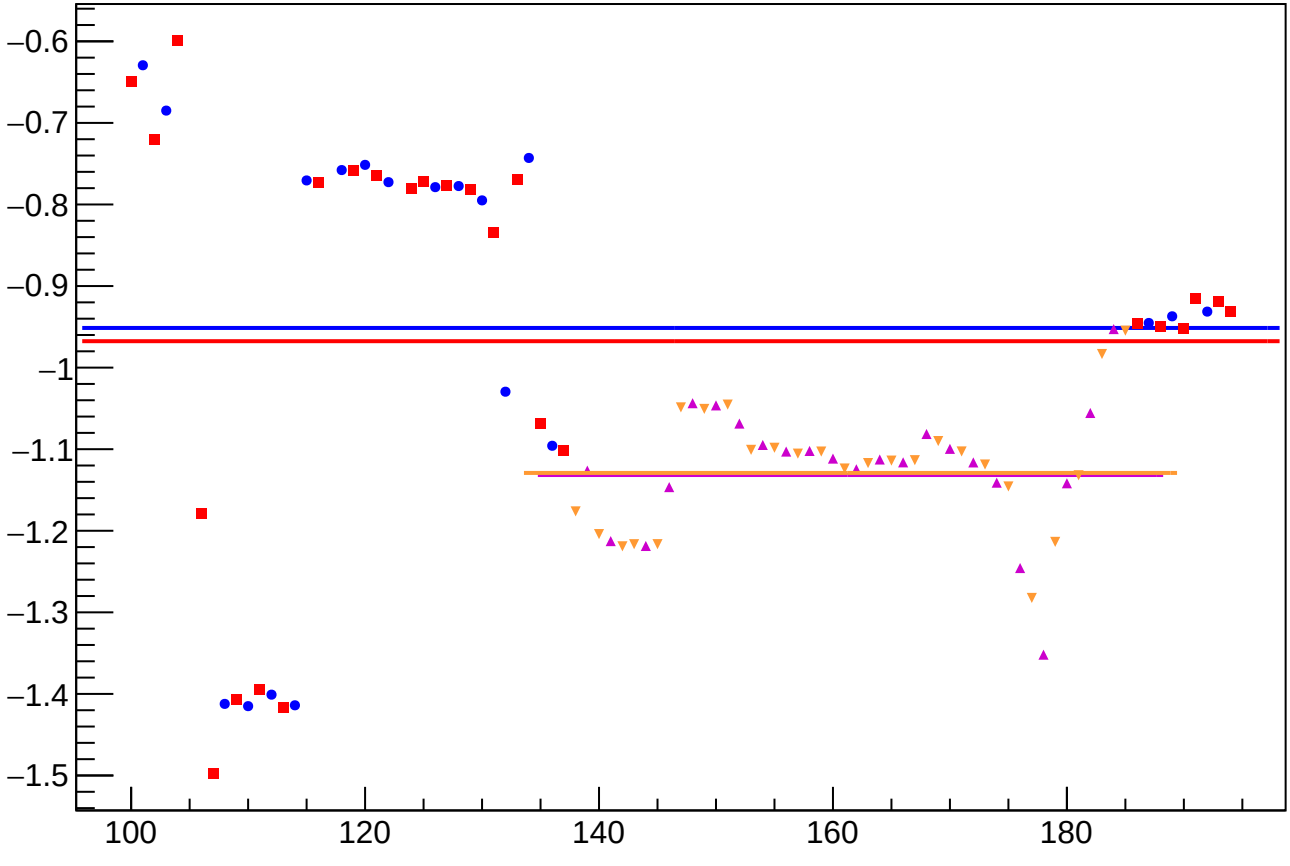
Right: 0.013+/-0.000 χ^2/NDF: 3904030.2/43

In: 0.011+/-0.000 χ^2/NDF:2384737.0/41

Out: 0.011+/-0.000 χ^2/NDF:3178947.2/49

All: 0.011+/-0.000 χ^2/NDF: 5565651.1/91

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.951+/-0.000 χ^2/NDF: 699605194.1/18

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.968+/-0.000 χ^2/NDF: 715645243.6/24

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

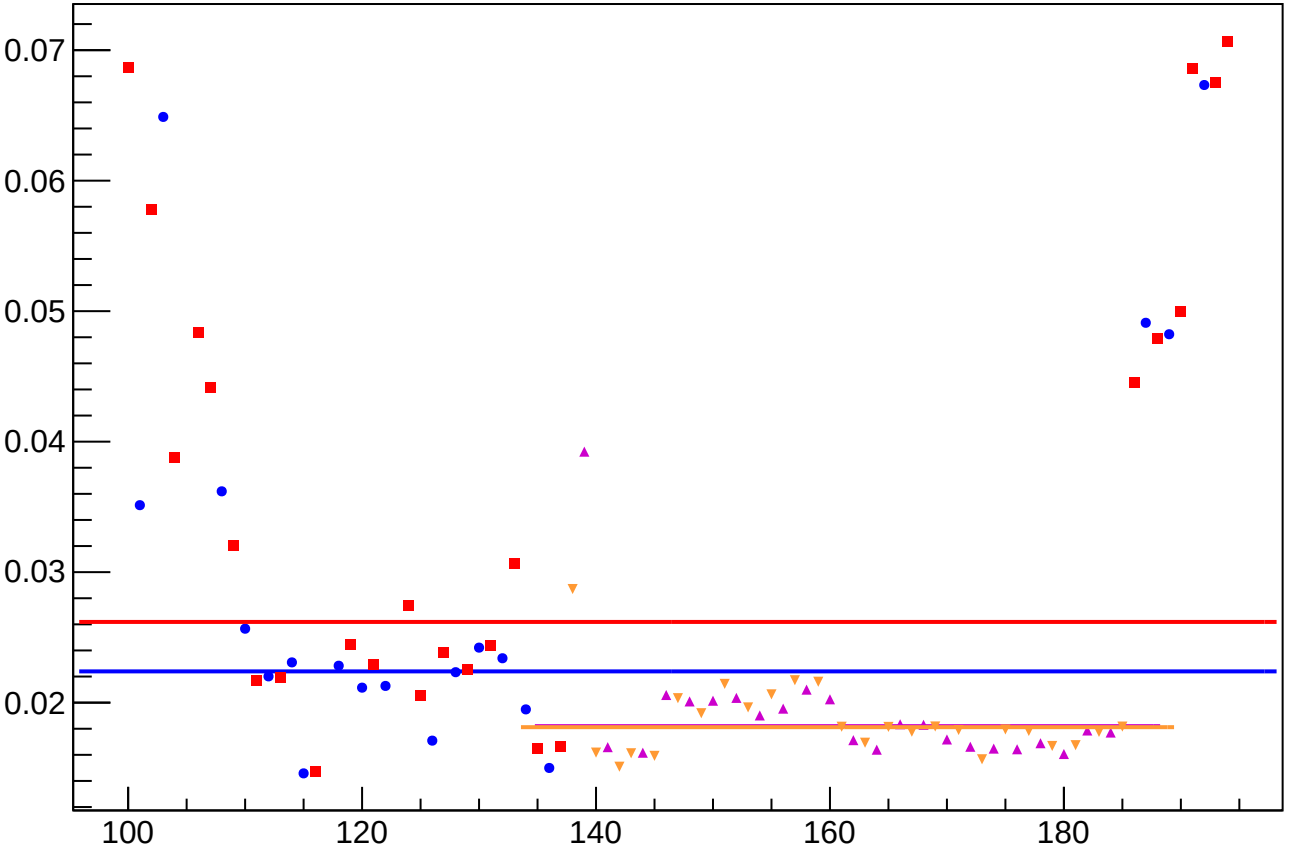
Right: -0.959+/-0.000 χ^2/NDF: 1416841094.8/43

In: -1.092+/-0.000 χ^2/NDF:1279352174.1/41

Out: -1.098+/-0.000 χ^2/NDF:1196256212.4/49

All: -1.095+/-0.000 χ^2/NDF: 2476602178.9/9

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 2460744.3/18

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.026+/-0.000 χ^2/NDF: 3615067.8/24

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

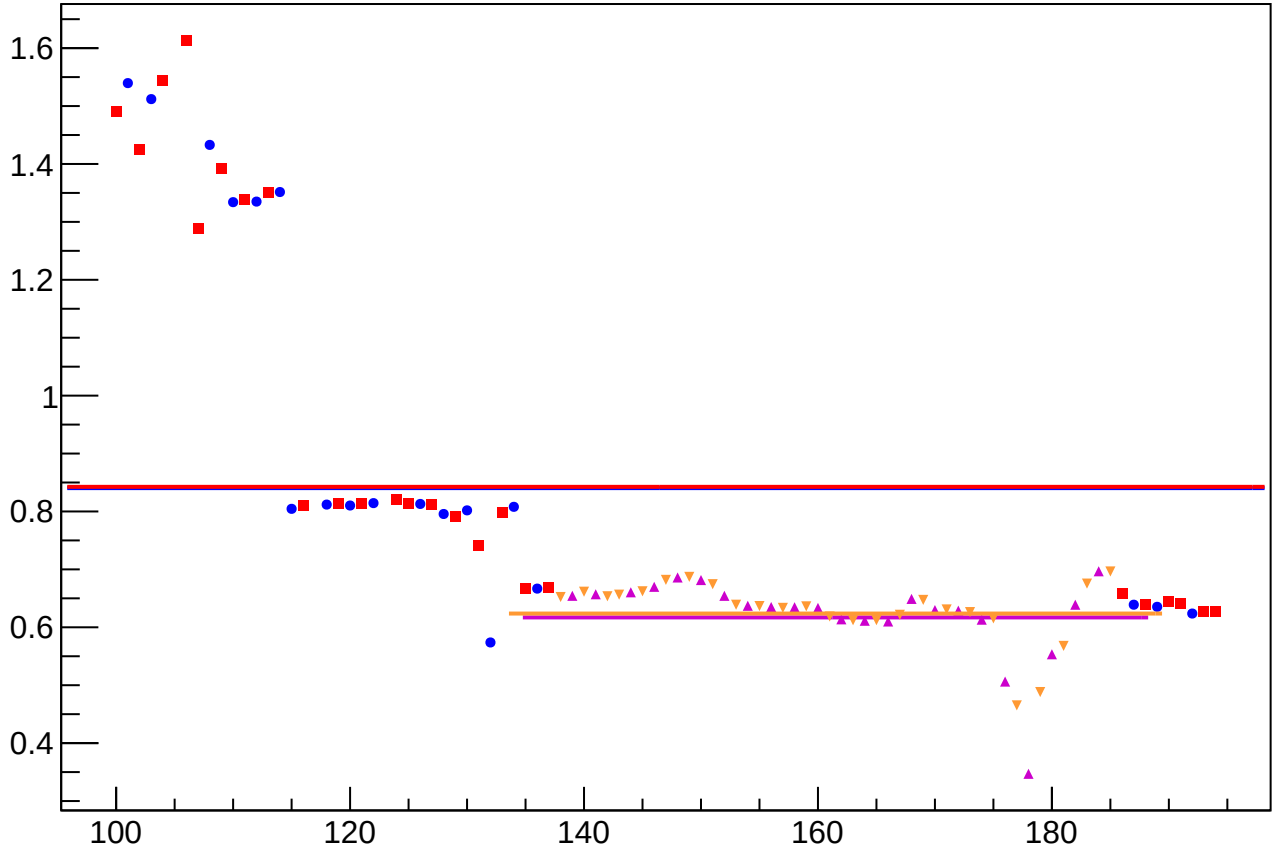
Right: 0.024+/-0.000 χ^2/NDF: 6249147.8/43

In: 0.019+/-0.000 χ^2/NDF:3530792.6/41

Out: 0.020+/-0.000 χ^2/NDF:5298424.9/49

All: 0.019+/-0.000 χ^2/NDF: 8847755.0/91

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.840+/-0.000 χ^2/NDF: 3116271409.1/18

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.843+/-0.000 χ^2/NDF: 3486429711.9/24

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

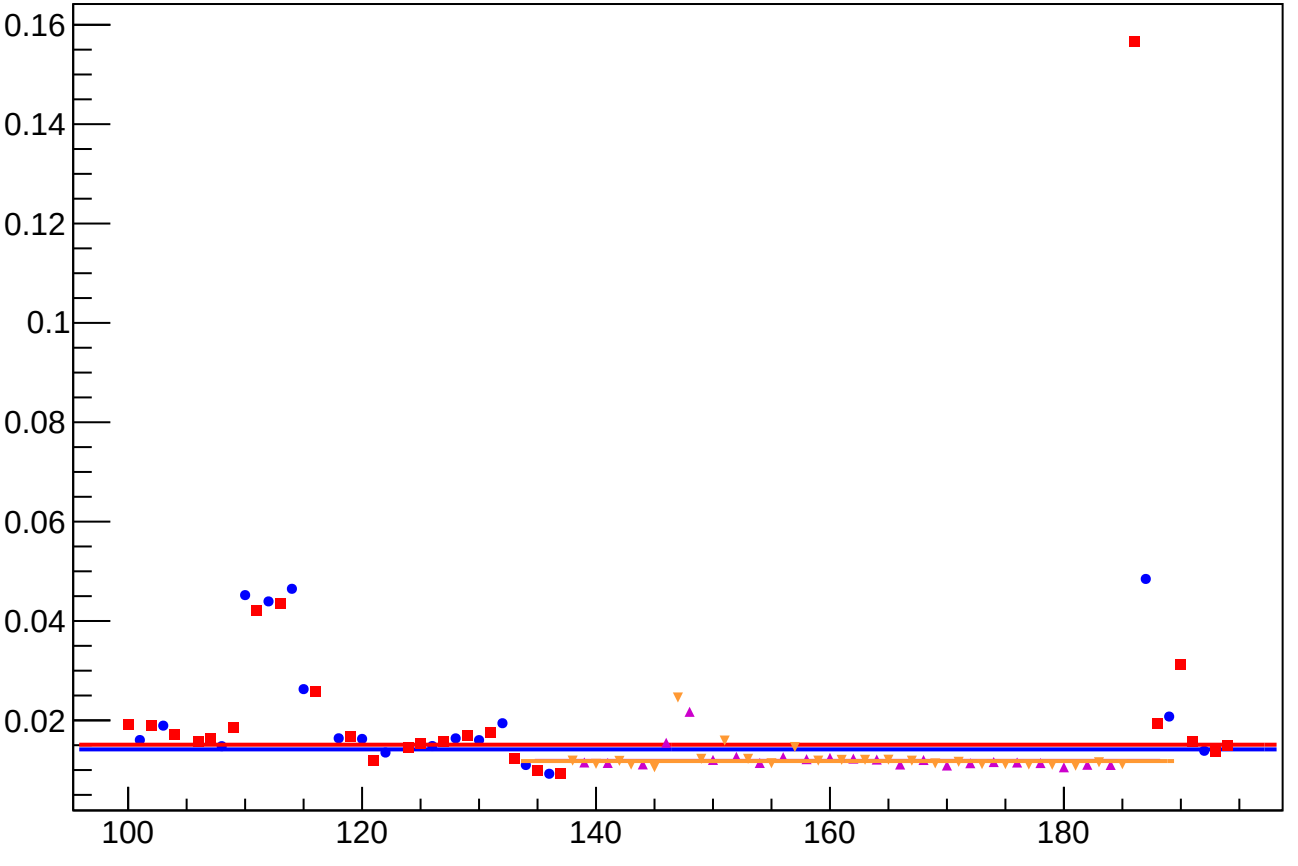
Right: 0.841+/-0.000 χ^2/NDF: 6602793084.3/43

In: 0.668+/-0.000 χ^2/NDF:5178680004.9/41

Out: 0.675+/-0.000 χ^2/NDF:5370294770.3/49

All: 0.671+/-0.000 χ^2/NDF: 10553185188.5/9

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1922244.5/18

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2365476.6/24

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

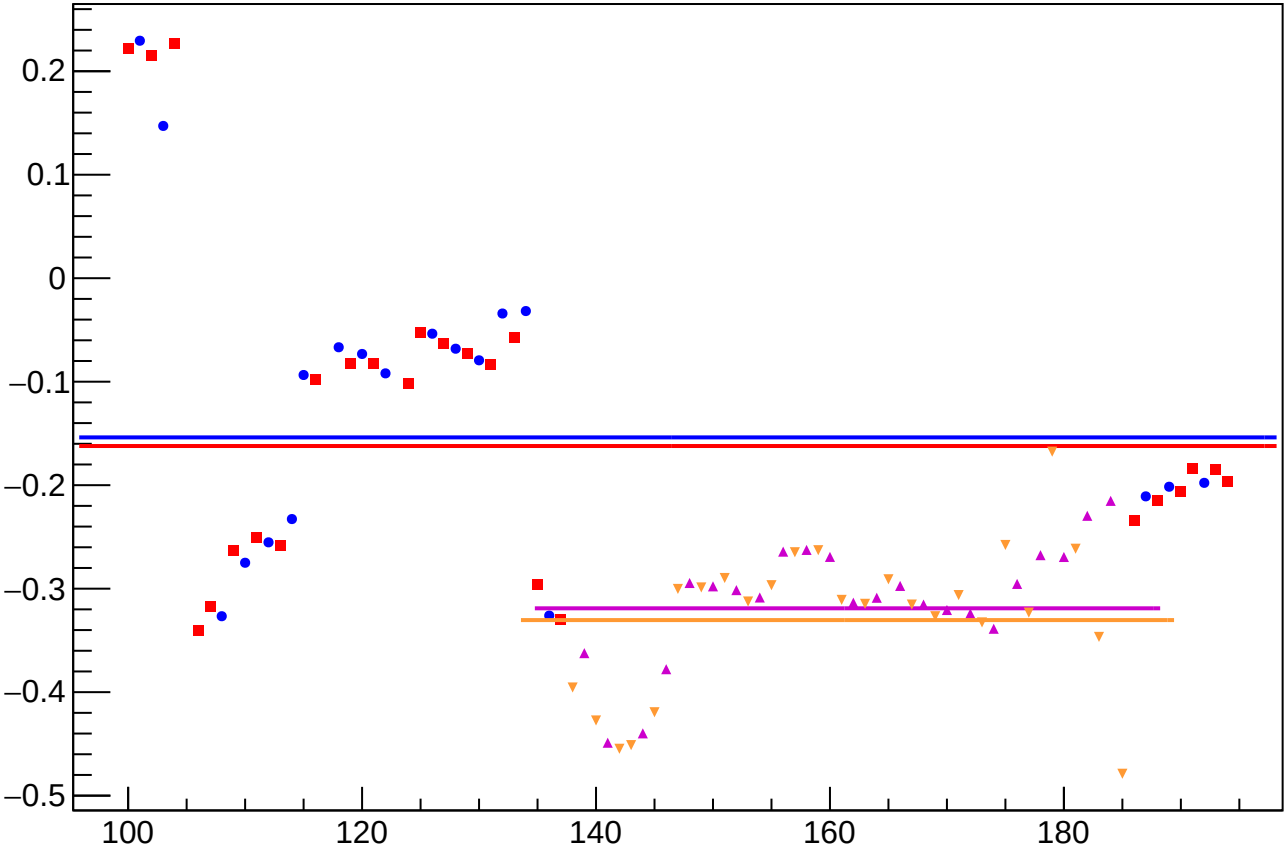
Right: 0.015+/-0.000 χ^2/NDF: 4322190.8/43

In: 0.012+/-0.000 χ^2/NDF:2734345.7/41

Out: 0.013+/-0.000 χ^2/NDF:3711978.9/49

All: 0.012+/-0.000 χ^2/NDF: 6453496.8/91

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.154+/-0.000 χ^2/NDF: 275283339.4/18

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.162+/-0.000 χ^2/NDF: 198127328.4/24

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

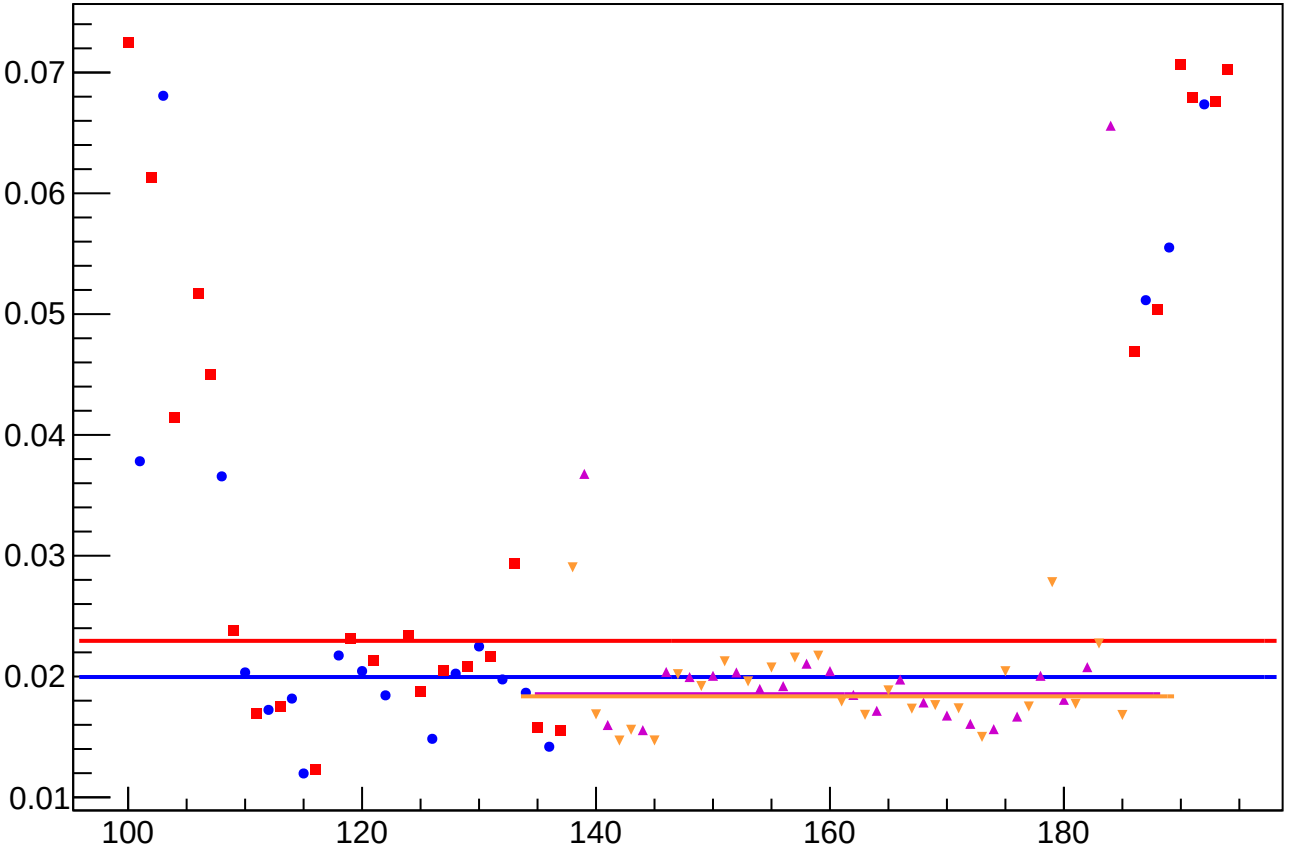
Right: -0.158+/-0.000 χ^2/NDF: 473926431.8/43

In: -0.275+/-0.000 χ^2/NDF:714529985.4/41

Out: -0.290+/-0.000 χ^2/NDF:688460215.1/49

All: -0.283+/-0.000 χ^2/NDF: 1409986196.8/9

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 2885398.4/18

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.023+/-0.000 χ^2/NDF: 4471209.5/24

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

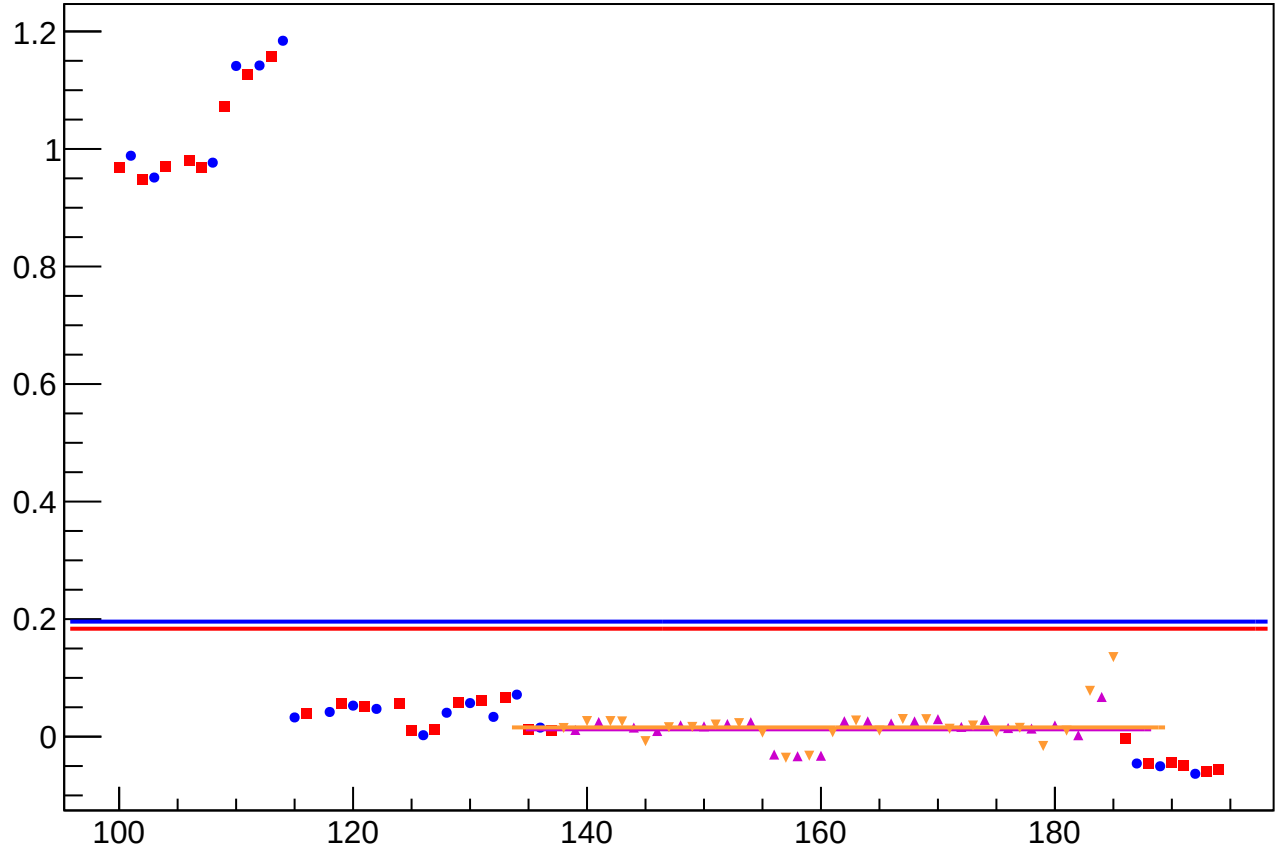
Right: 0.021+/-0.000 χ^2/NDF: 7489557.3/43

In: 0.019+/-0.000 χ^2/NDF:3864918.6/41

Out: 0.019+/-0.000 χ^2/NDF:5667452.5/49

All: 0.019+/-0.000 χ^2/NDF: 9549317.6/91

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.196+/-0.000 χ^2/NDF: 7099439019.8/18

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.184+/-0.000 χ^2/NDF: 8028441078.9/24

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

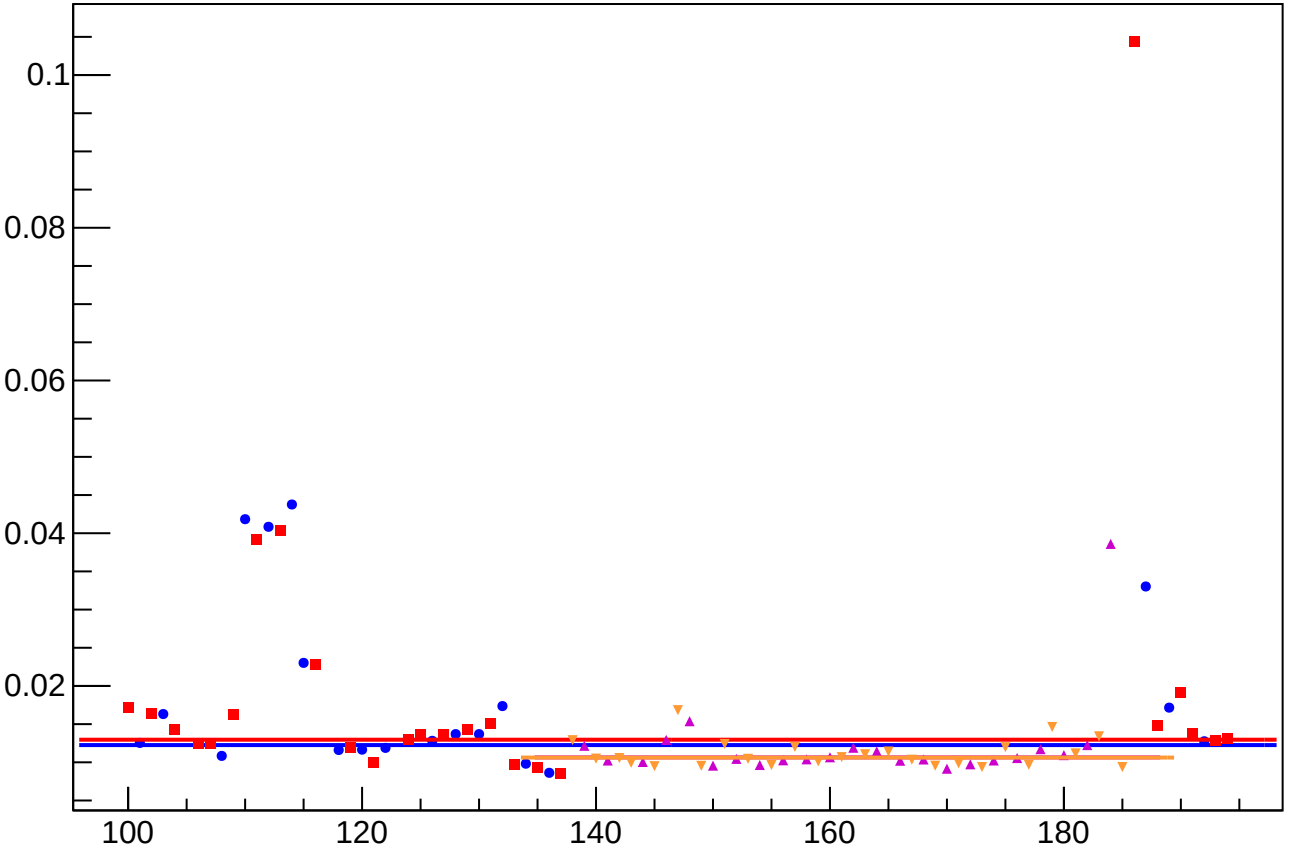
Right: 0.189+/-0.000 χ^2/NDF: 15131705860.1/43

In: 0.058+/-0.000 χ^2/NDF:8413486834.5/41

Out: 0.059+/-0.000 χ^2/NDF:9287589883.4/49

All: 0.059+/-0.000 χ^2/NDF: 17701200483.6/9

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1695383.1/18

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2093193.9/24

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

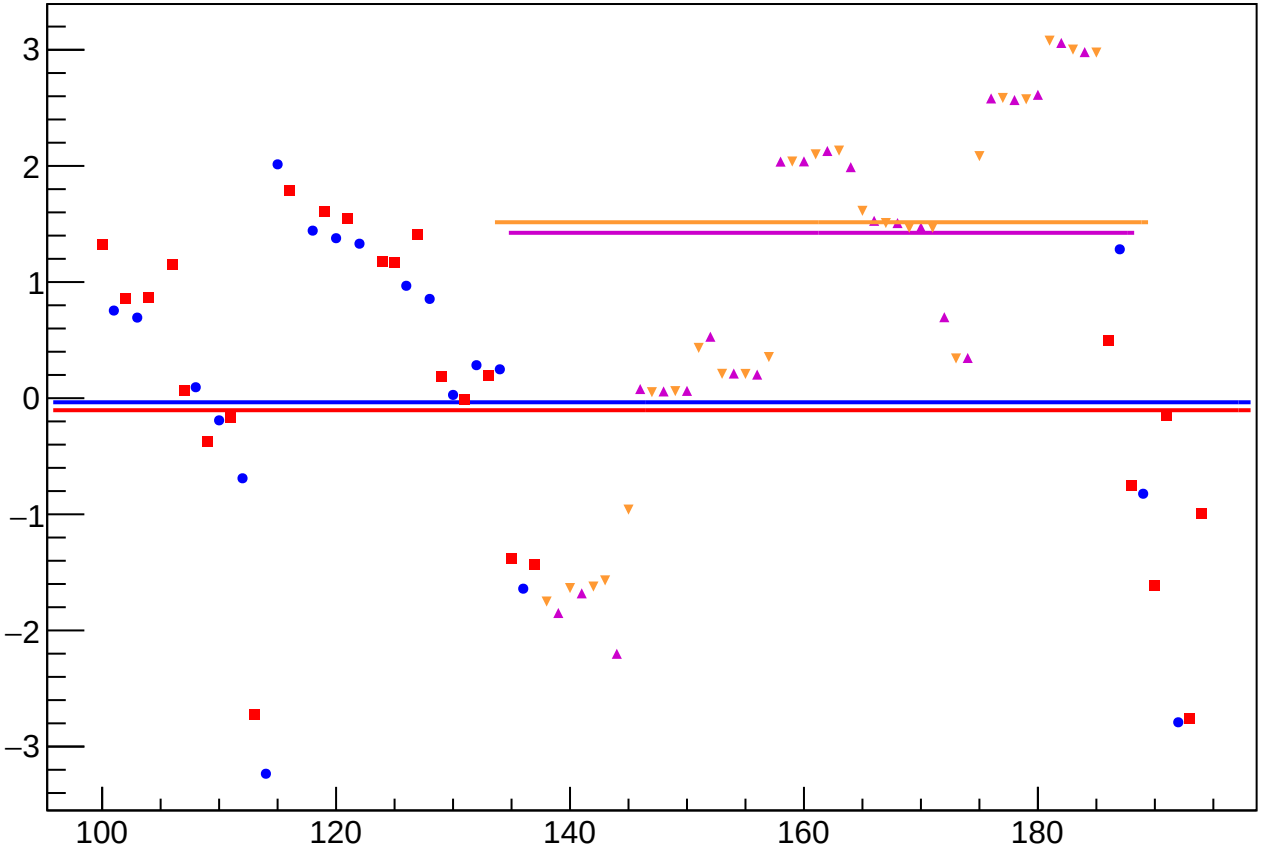
Right: 0.013+/-0.000 χ^2/NDF: 3814516.5/43

In: 0.011+/-0.000 χ^2/NDF:2462223.9/41

Out: 0.011+/-0.000 χ^2/NDF:3163011.3/49

All: 0.011+/-0.000 χ^2/NDF: 5632206.8/91

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.000 χ^2/NDF: 3978950342.3/18

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.104+/-0.000 χ^2/NDF: 4164187930.5/24

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

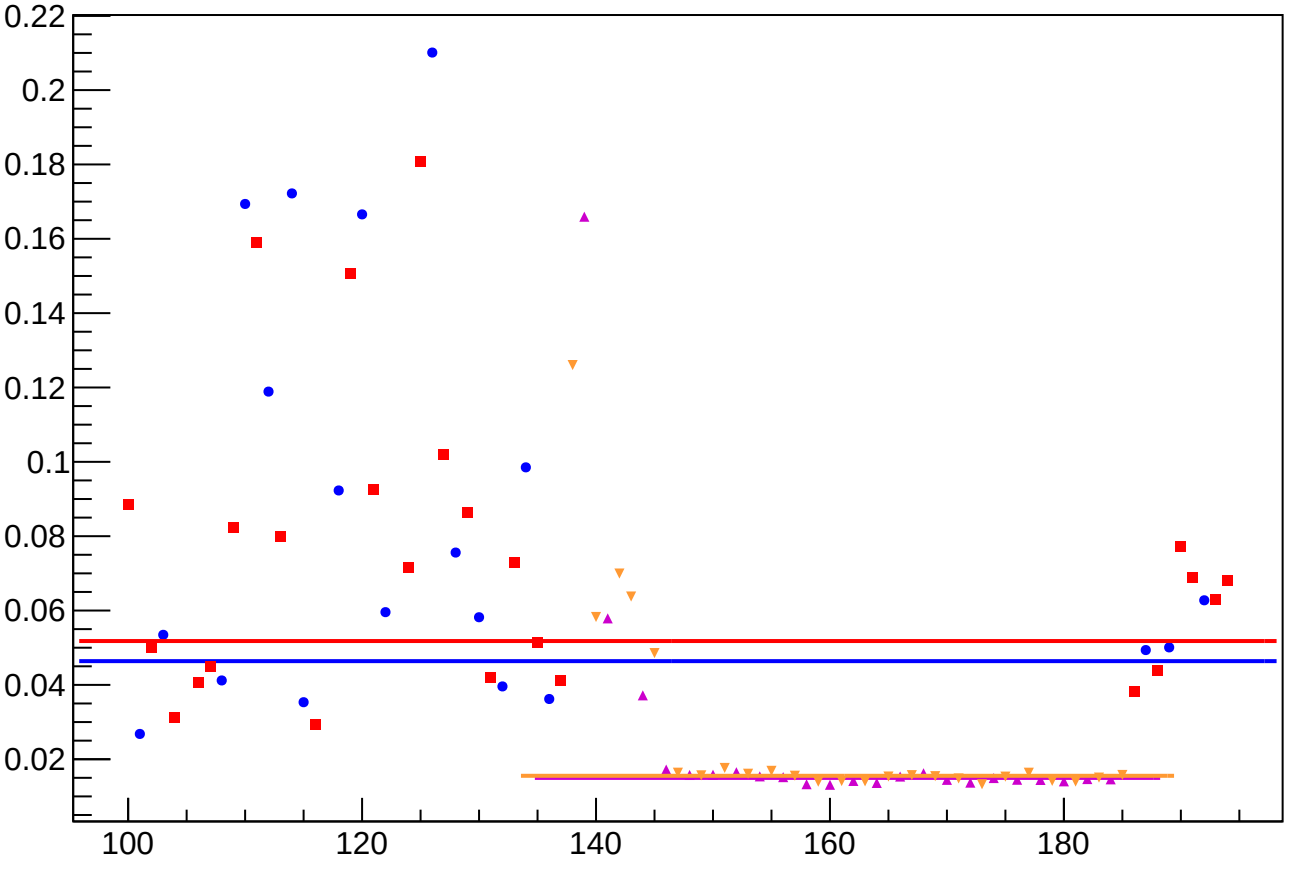
Right: -0.072+/-0.000 χ^2/NDF: 8149325618.2/43

In: 1.368+/-0.000 χ^2/NDF:77084840445.2/41

Out: 1.443+/-0.000 χ^2/NDF:79055463309.9/49

All: 1.405+/-0.000 χ^2/NDF: 156317955356.9

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.046+/-0.000 χ^2/NDF: 2945834.0/18

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

Right Out: 0.052+/-0.000 χ^2/NDF: 2764674.5/24

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

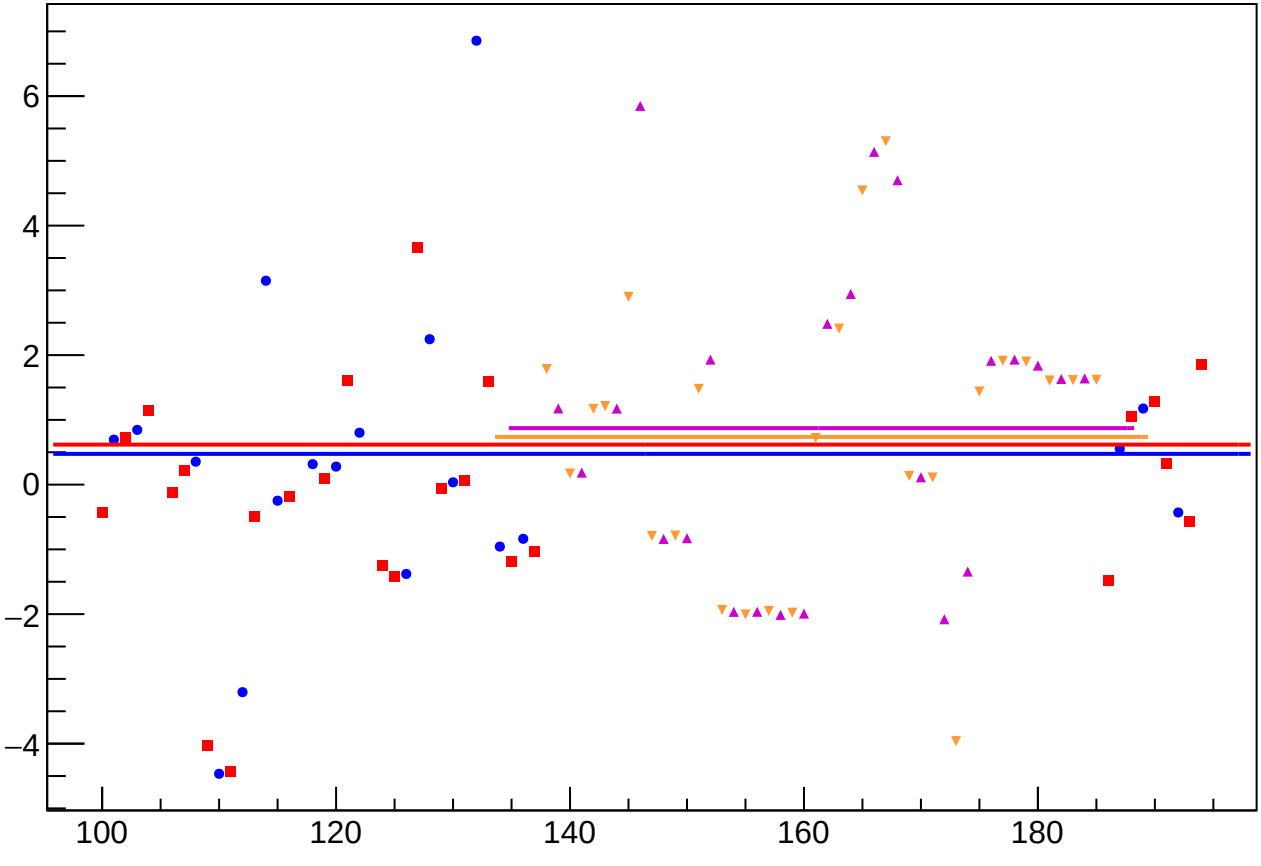
Right: 0.049+/-0.000 χ^2/NDF: 5787697.5/43

In: 0.016+/-0.000 χ^2/NDF:9818657.9/41

Out: 0.017+/-0.000 χ^2/NDF:12872006.3/49

All: 0.017+/-0.000 χ^2/NDF: 22753333.5/91

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.475+/-0.000 χ^2/NDF: 14544389547.0/18

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 0.618+/-0.000 χ^2/NDF: 11491850872.3/24

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

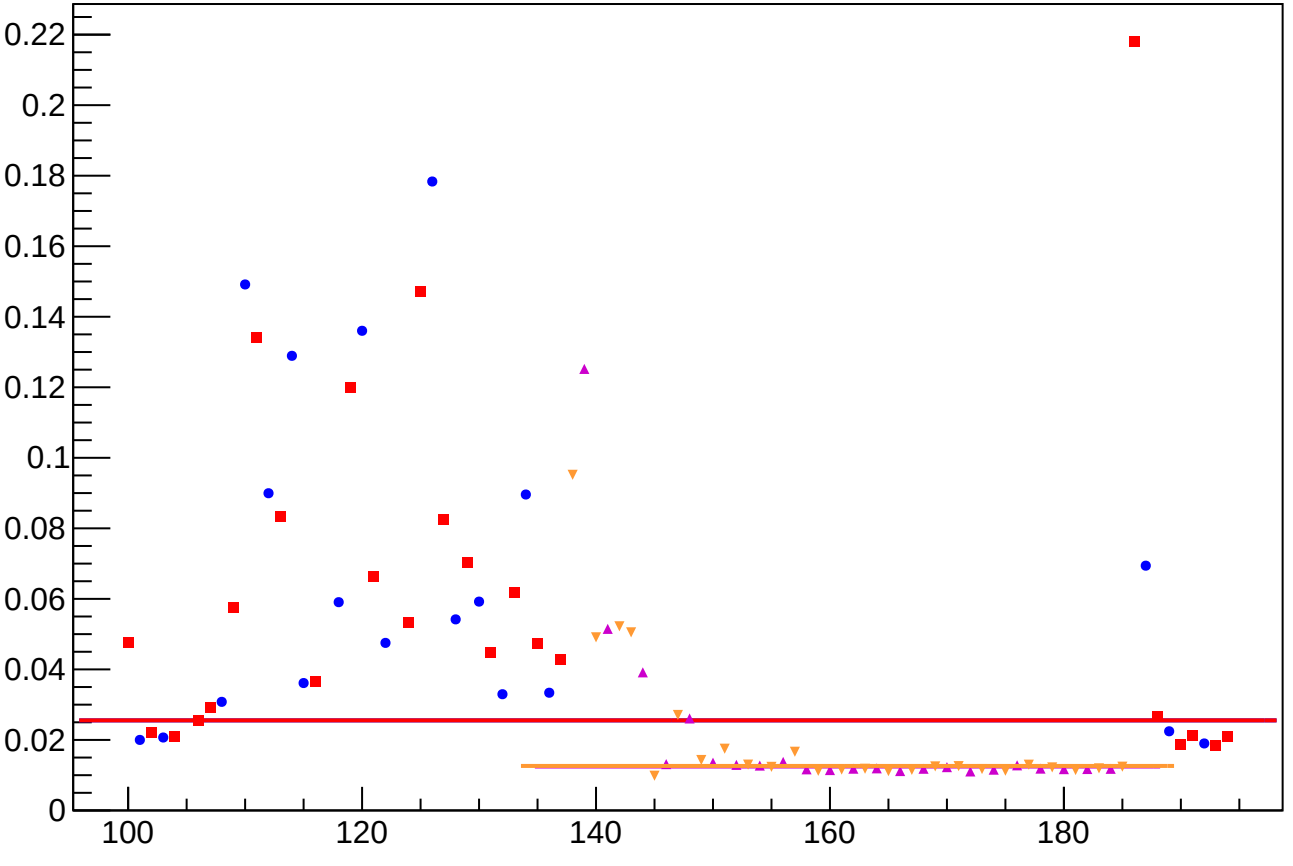
Right: 0.557+/-0.000 χ^2/NDF: 26124393217.5/43

In: 0.845+/-0.000 χ^2/NDF:635806888341.0/41

Out: 0.726+/-0.000 χ^2/NDF:547584035815.3/49

All: 0.784+/-0.000 χ^2/NDF: 1184154717297.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.026+/-0.000 χ^2/NDF: 3681446.0/18

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.026+/-0.000 χ^2/NDF: 4649835.5/24

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

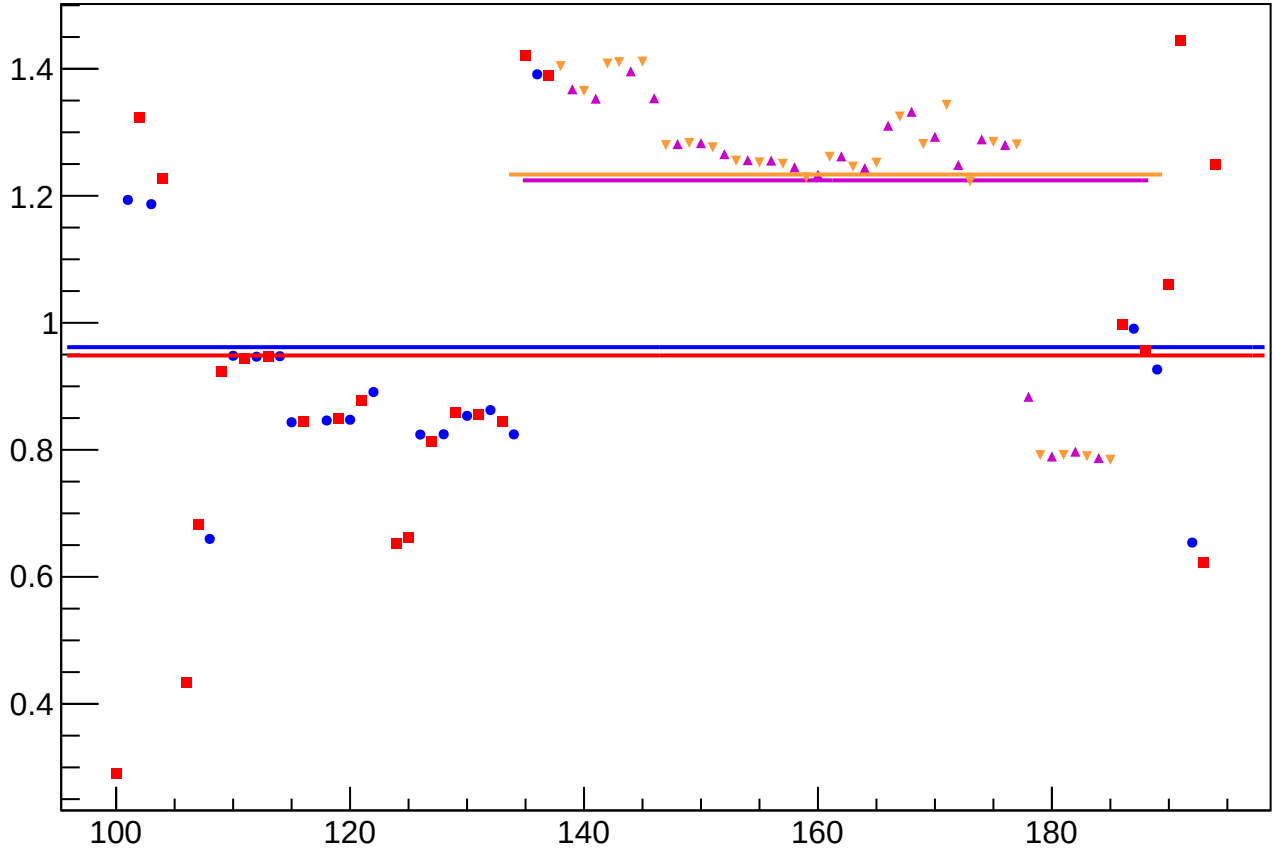
Right: 0.026+/-0.000 χ^2/NDF: 8331282.7/43

In: 0.013+/-0.000 χ^2/NDF:8823249.9/41

Out: 0.014+/-0.000 χ^2/NDF:10920706.9/49

All: 0.014+/-0.000 χ^2/NDF: 19765433.9/91

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.962+/-0.000 χ^2/NDF: 1587381382.8/18

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.949+/-0.000 χ^2/NDF: 1930020969.9/24

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

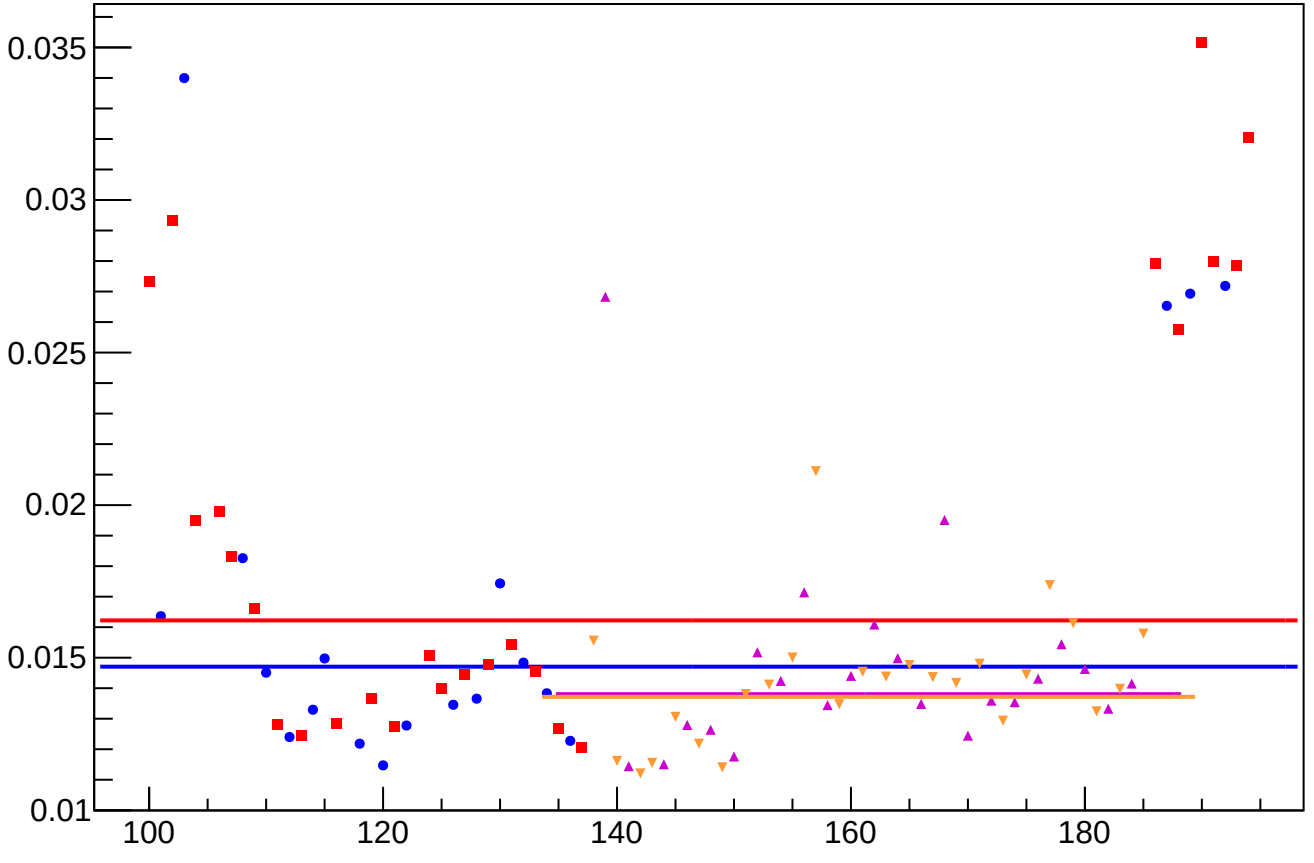
Right: 0.955+/-0.000 χ^2/NDF: 3520372292.3/43

In: 1.148+/-0.000 χ^2/NDF:5938042600.6/41

Out: 1.154+/-0.000 χ^2/NDF:7013749951.9/49

All: 1.151+/-0.000 χ^2/NDF: 12953734158.6/9

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1322170.0/18

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.016+/-0.000 χ^2/NDF: 2087759.9/24

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

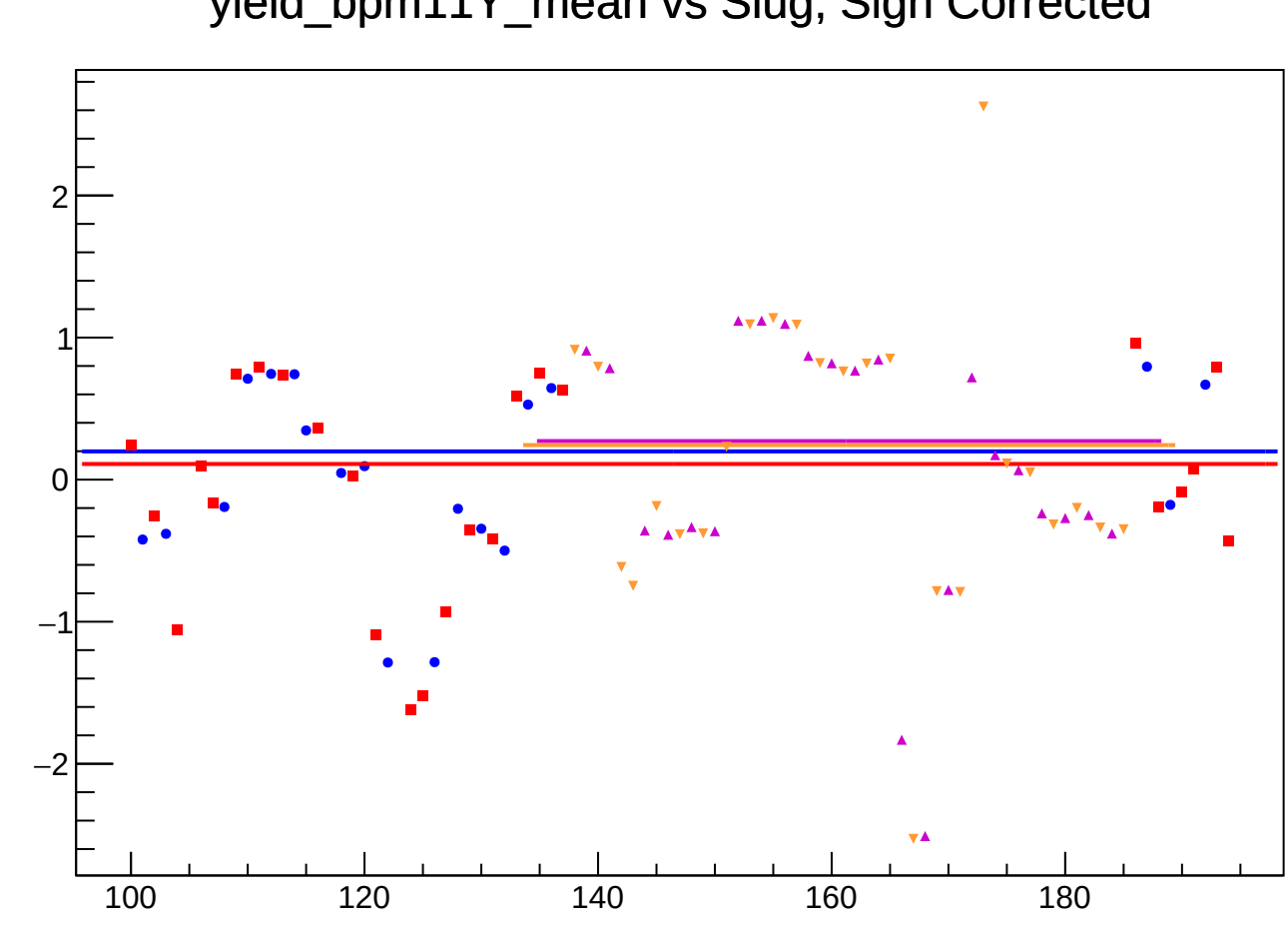
Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

Right: 0.015+/-0.000 χ^2/NDF: 3489687.4/43

In: 0.014+/-0.000 χ^2/NDF:2232209.6/41

Out: 0.014+/-0.000 χ^2/NDF:2953503.9/49

All: 0.014+/-0.000 χ^2/NDF: 5200773.1/91



Right In: 0.199+/-0.000 χ^2/NDF: 13913954654.8/18

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.110+/-0.000 χ^2/NDF: 23076803341.7/24

Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

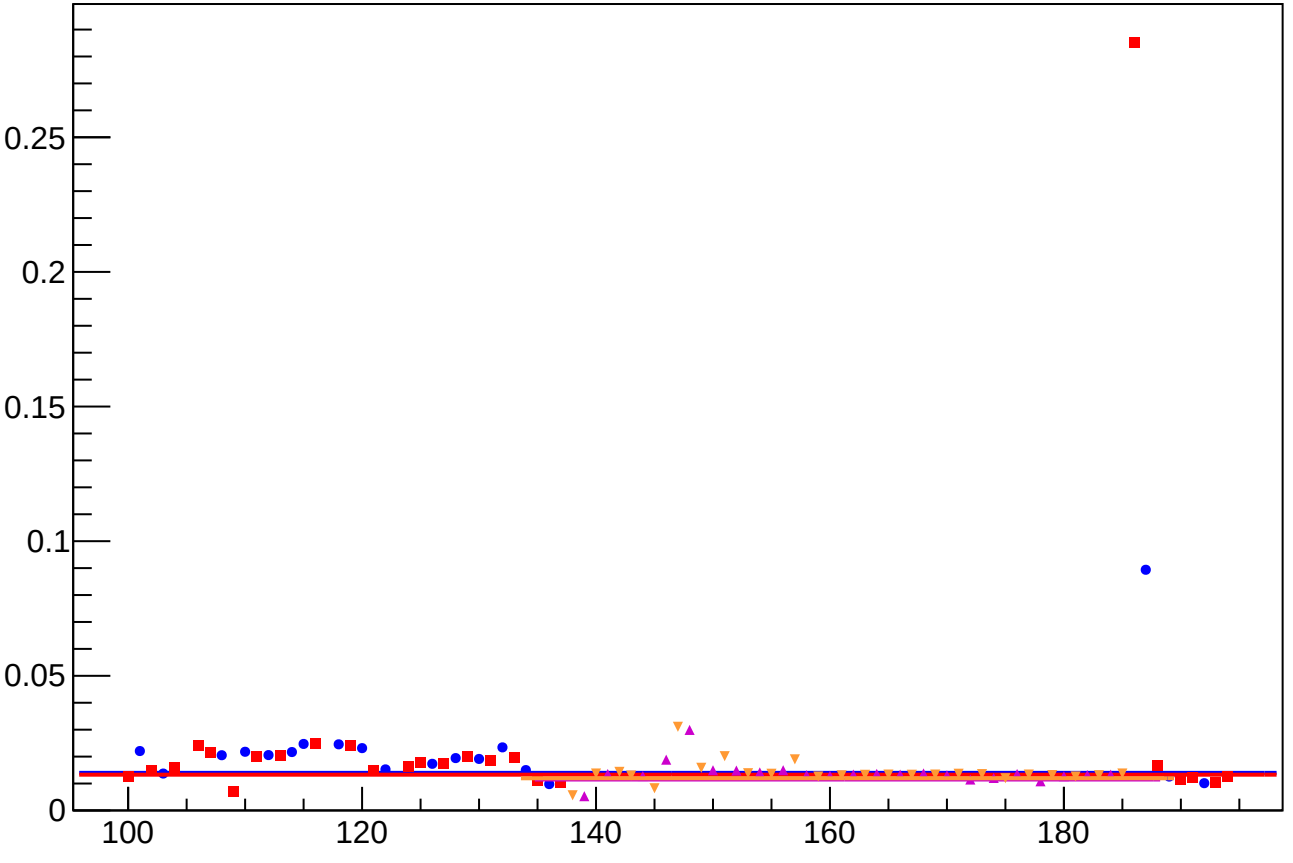
Right: 0.148+/-0.000 χ^2/NDF: 37156150659.2/43

In: 0.254+/-0.000 χ^2/NDF:104563400969.7/41

Out: 0.204+/-0.000 χ^2/NDF:129279675060.7/49

All: 0.228+/-0.000 χ^2/NDF: 234042195298.4

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1940387.0/18

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2614231.8/24

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

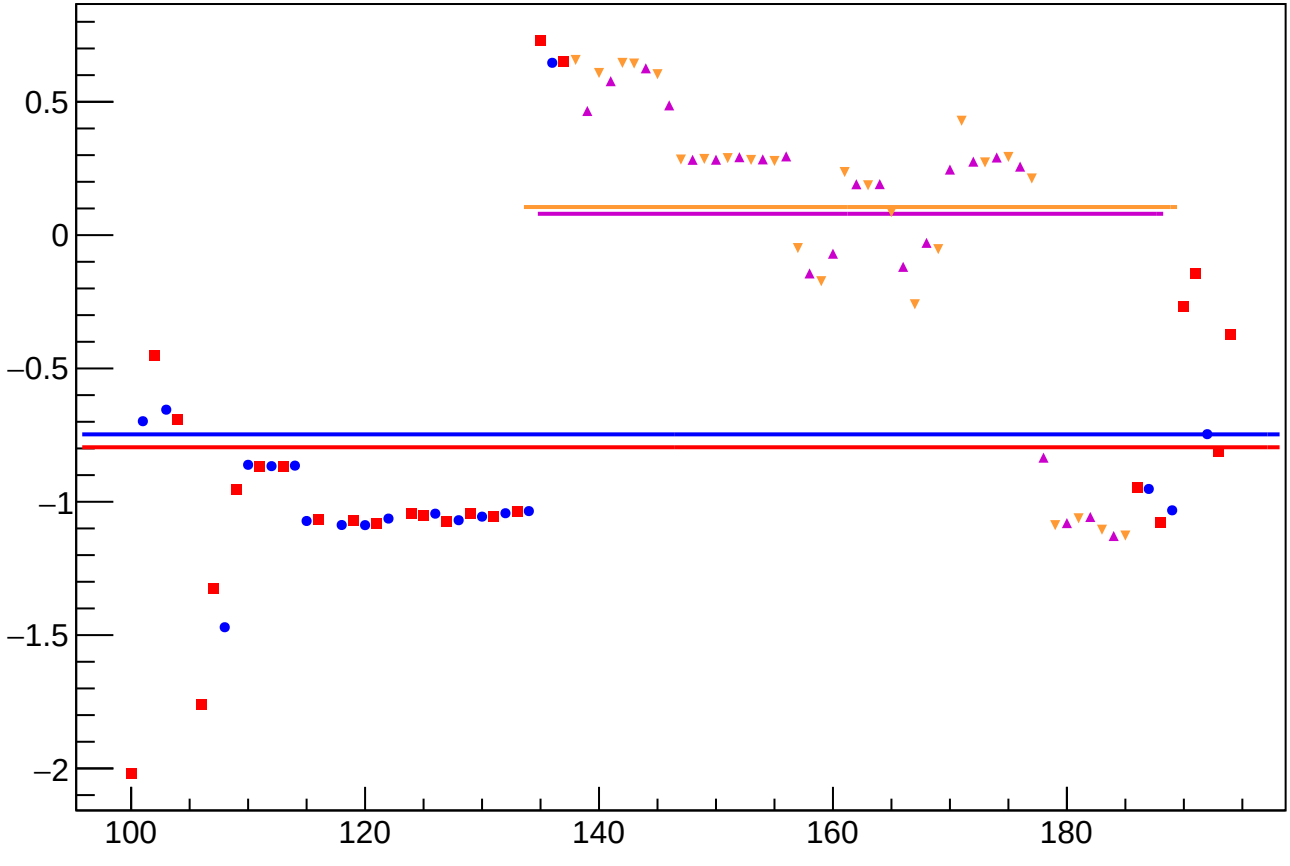
Right: 0.014+/-0.000 χ^2/NDF: 4574087.1/43

In: 0.012+/-0.000 χ^2/NDF:5956725.1/41

Out: 0.012+/-0.000 χ^2/NDF:6003076.9/49

All: 0.012+/-0.000 χ^2/NDF: 11970719.8/91

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.747+/-0.000 χ^2/NDF: 2087352128.8/18

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.796+/-0.000 χ^2/NDF: 1974259682.3/24

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

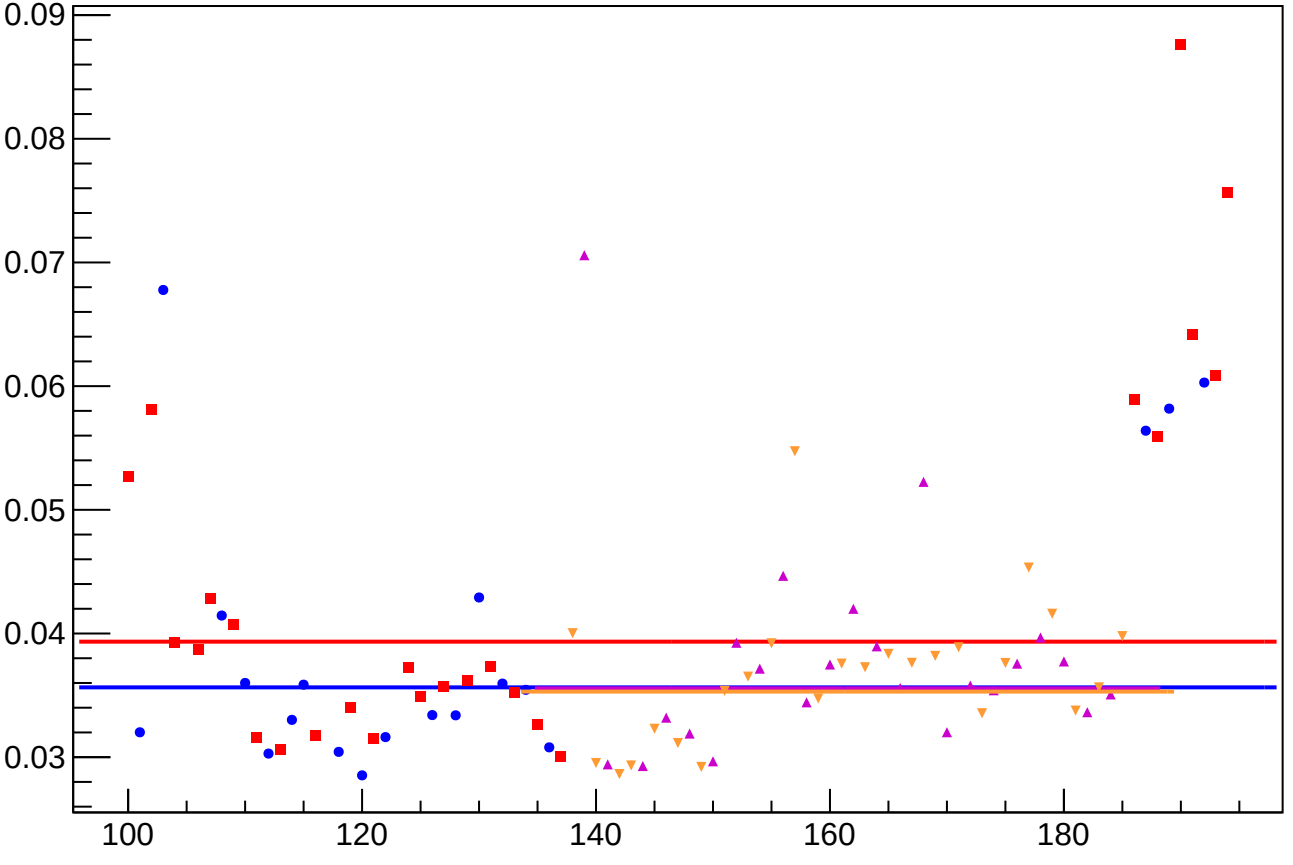
Right: -0.771+/-0.000 χ^2/NDF: 4068667749.6/43

In: -0.186+/-0.000 χ^2/NDF:8152072768.4/41

Out: -0.173+/-0.000 χ^2/NDF:9146260183.3/49

All: -0.179+/-0.000 χ^2/NDF: 17299835847.8/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.036+/-0.000 χ^2/NDF: 976878.0/18

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.039+/-0.000 χ^2/NDF: 1576888.5/24

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

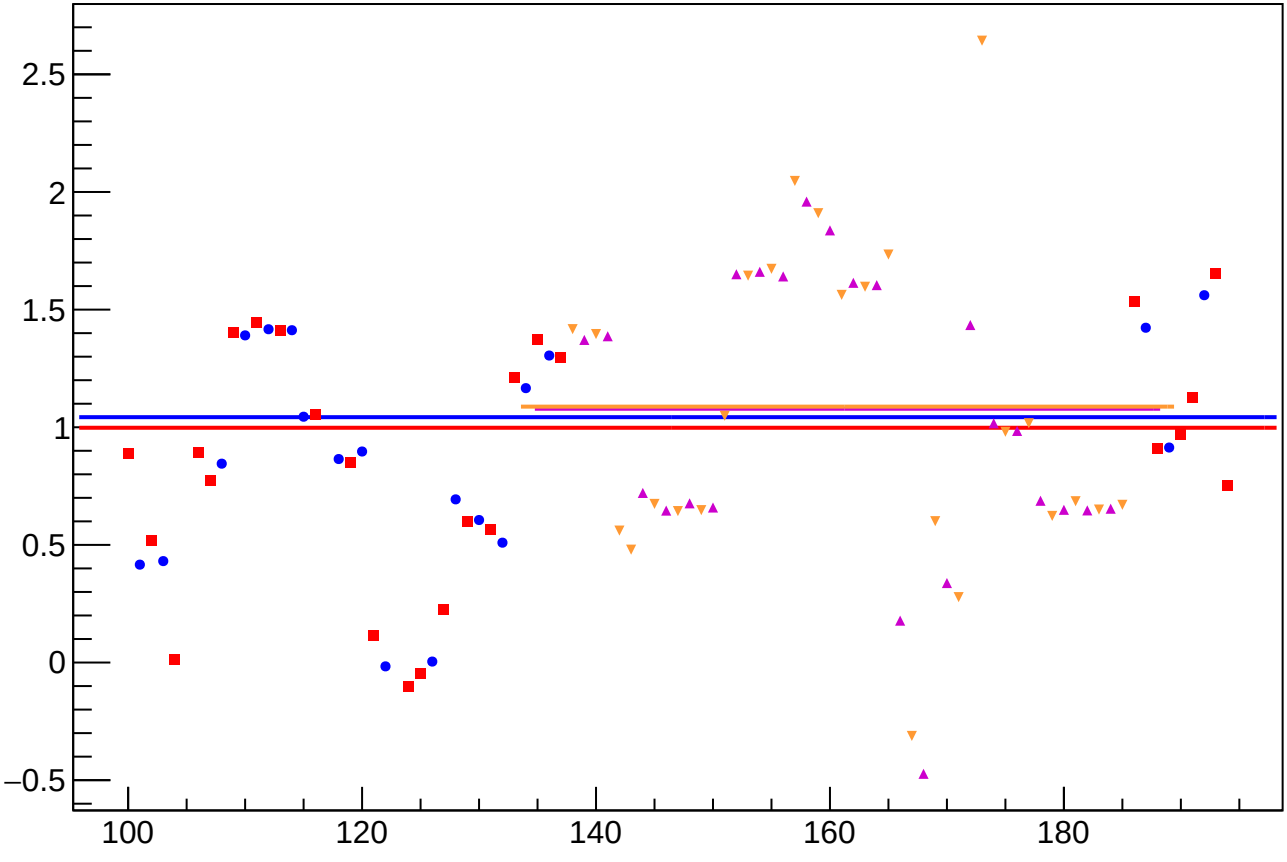
Right: 0.037+/-0.000 χ^2/NDF: 2636057.6/43

In: 0.036+/-0.000 χ^2/NDF:1937316.2/41

Out: 0.037+/-0.000 χ^2/NDF:2325406.5/49

All: 0.036+/-0.000 χ^2/NDF: 4280416.2/91

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 1.043+/-0.000 χ^2/NDF: 18688175452.1/18

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.998+/-0.000 χ^2/NDF: 25154559239.9/24

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

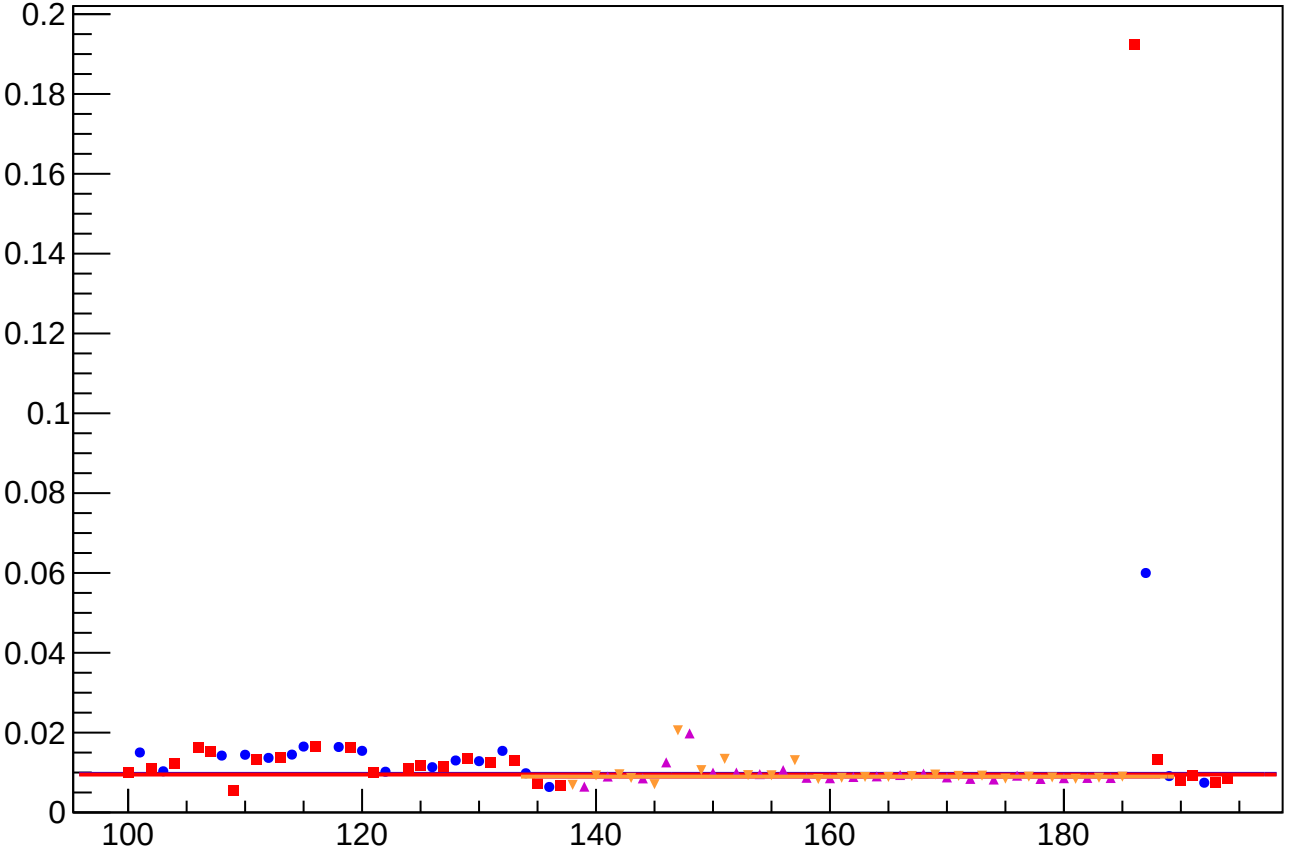
Right: 1.018+/-0.000 χ^2/NDF: 43930596571.0/43

In: 1.069+/-0.000 χ^2/NDF:92842274586.0/41

Out: 1.060+/-0.000 χ^2/NDF:119555188255.6/49

All: 1.064+/-0.000 χ^2/NDF: 212408929026.9

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1822731.0/18

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.010+/-0.000 χ^2/NDF: 2327804.0/24

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

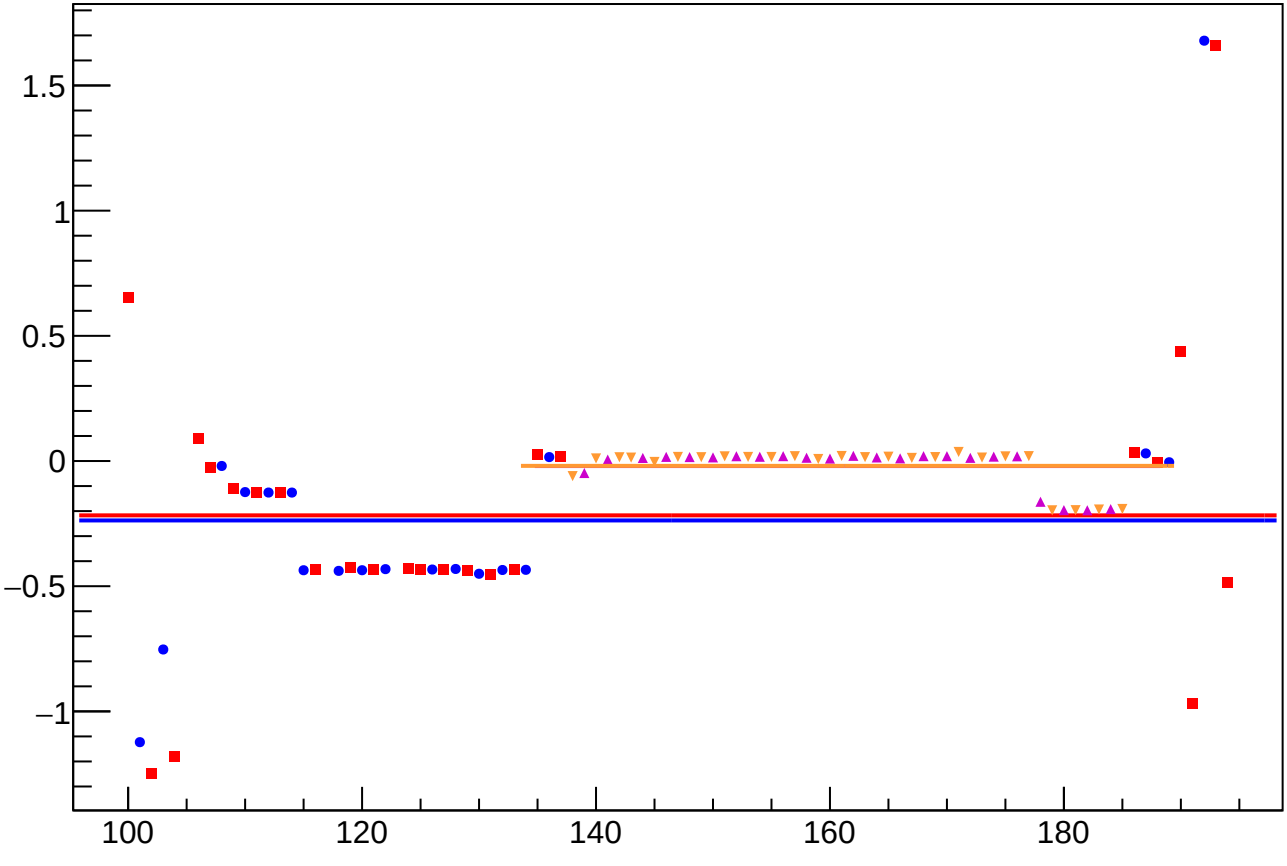
Right: 0.010+/-0.000 χ^2/NDF: 4152535.7/43

In: 0.009+/-0.000 χ^2/NDF:2846738.5/41

Out: 0.009+/-0.000 χ^2/NDF:3512814.3/49

All: 0.009+/-0.000 χ^2/NDF: 6359557.1/91

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.237+/-0.000 χ^2/NDF: 2988029932.3/18

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.217+/-0.000 χ^2/NDF: 2611880830.6/24

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

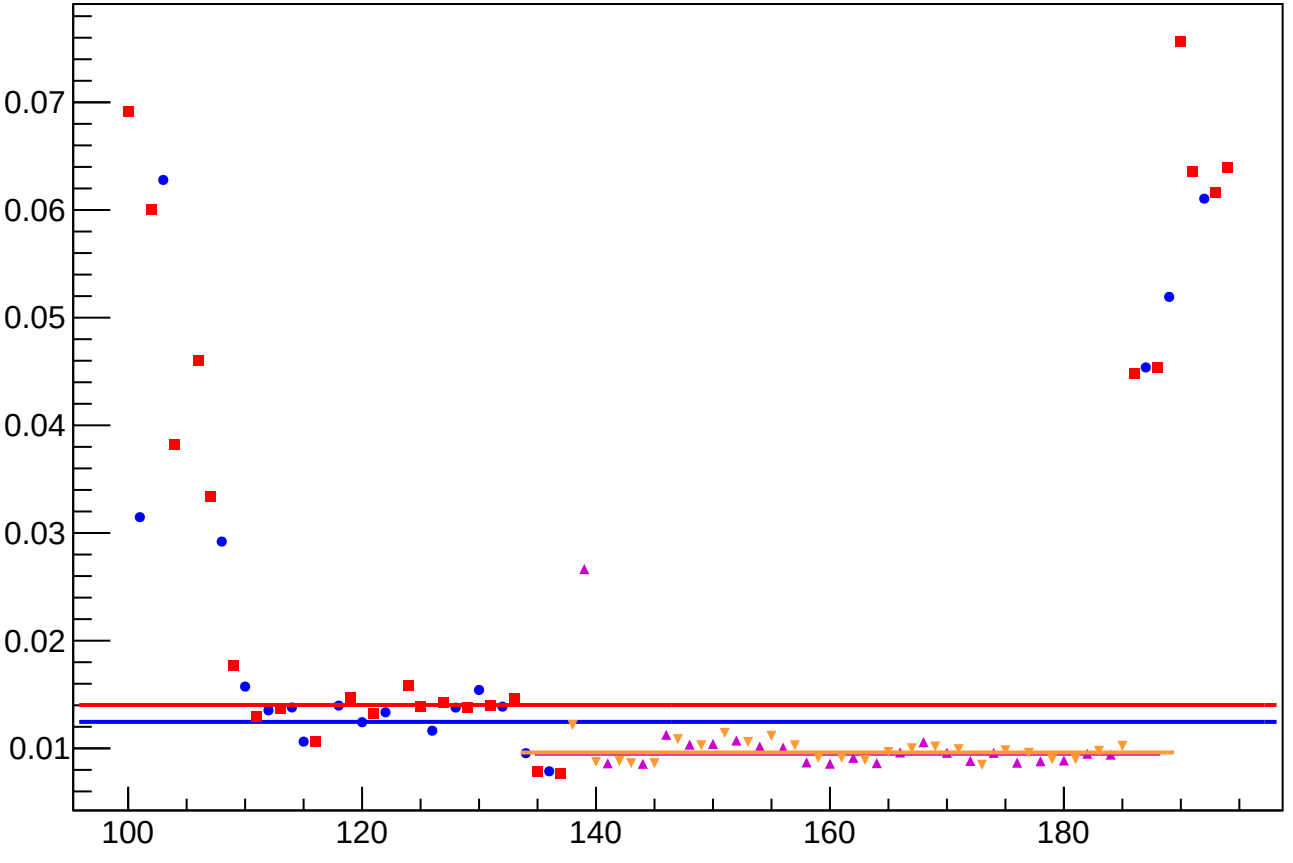
Right: -0.228+/-0.000 χ^2/NDF: 5607016167.1/43

In: -0.058+/-0.000 χ^2/NDF:5373789190.5/41

Out: -0.050+/-0.000 χ^2/NDF:4755417975.7/49

All: -0.054+/-0.000 χ^2/NDF: 10135900527.0/

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 3910177.5/18

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.014+/-0.000 χ^2/NDF: 6298457.3/24

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

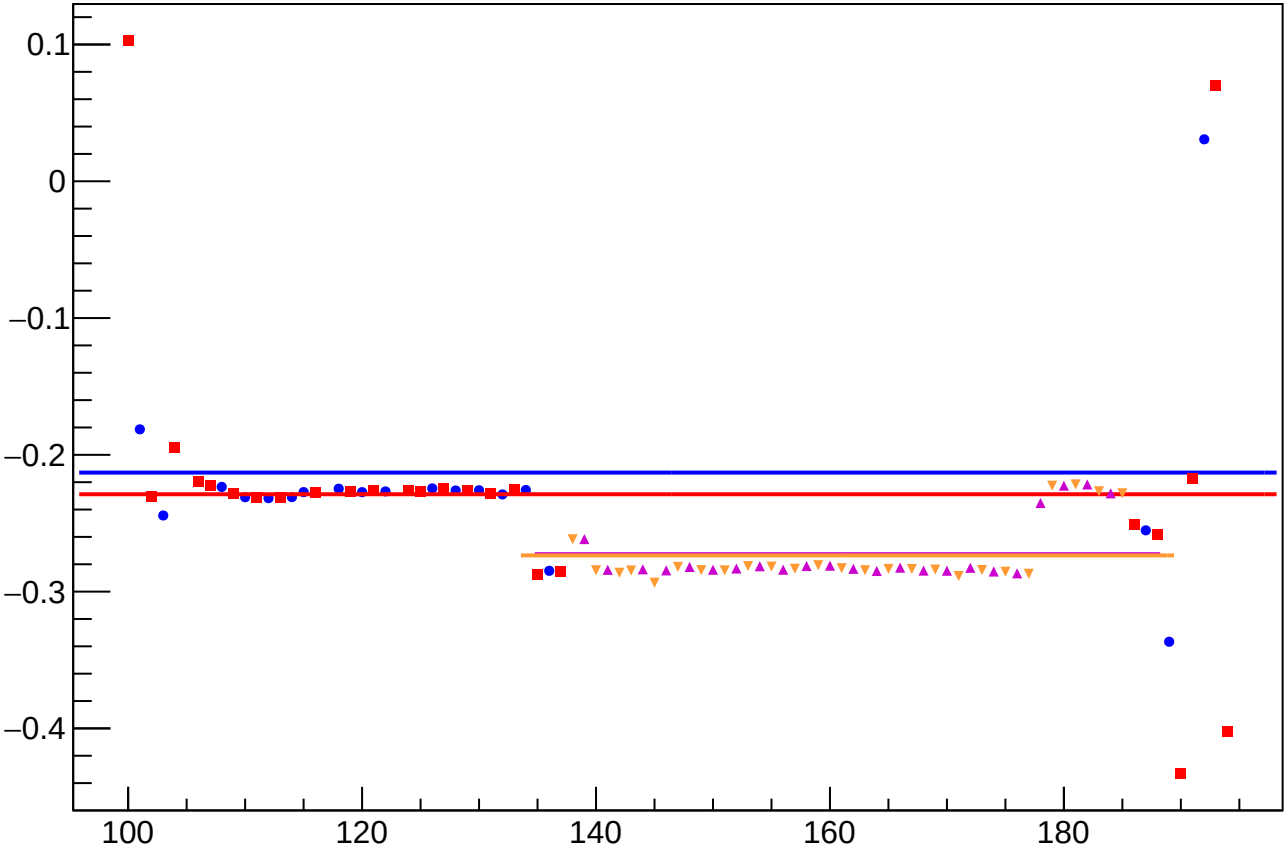
Right: 0.013+/-0.000 χ^2/NDF: 10293165.5/43

In: 0.010+/-0.000 χ^2/NDF:5331082.3/41

Out: 0.010+/-0.000 χ^2/NDF:7650279.3/49

All: 0.010+/-0.000 χ^2/NDF: 12998516.5/91

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.213+/-0.000 χ^2/NDF: 2167671075.3/18

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.229+/-0.000 χ^2/NDF: 3471646345.0/24

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

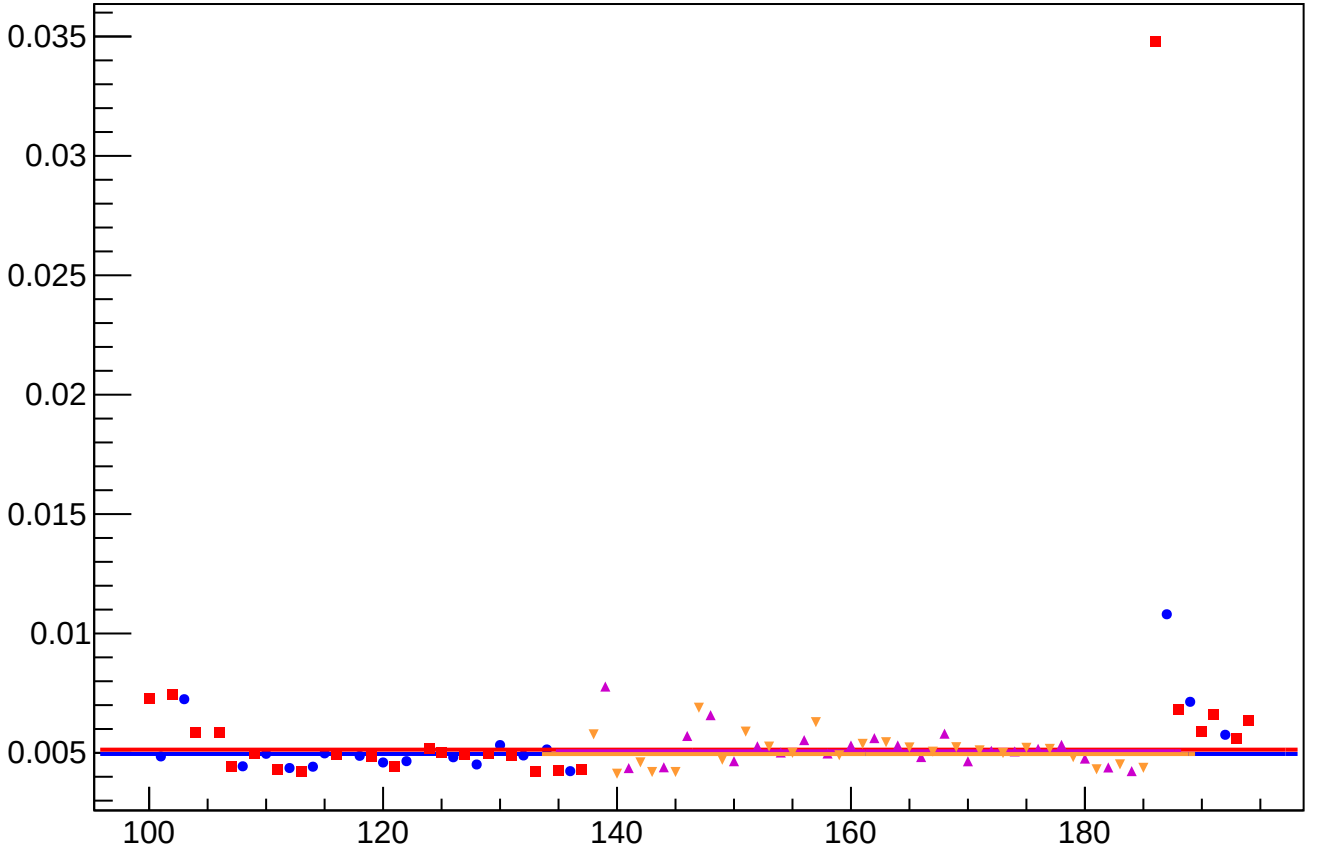
Right: -0.221+/-0.000 χ^2/NDF: 5682644545.7/43

In: -0.253+/-0.000 χ^2/NDF:3278209282.9/41

Out: -0.259+/-0.000 χ^2/NDF:4360348329.3/49

All: -0.256+/-0.000 χ^2/NDF: 7653844934.4/9

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 444550.9/18

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1132849.1/24

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

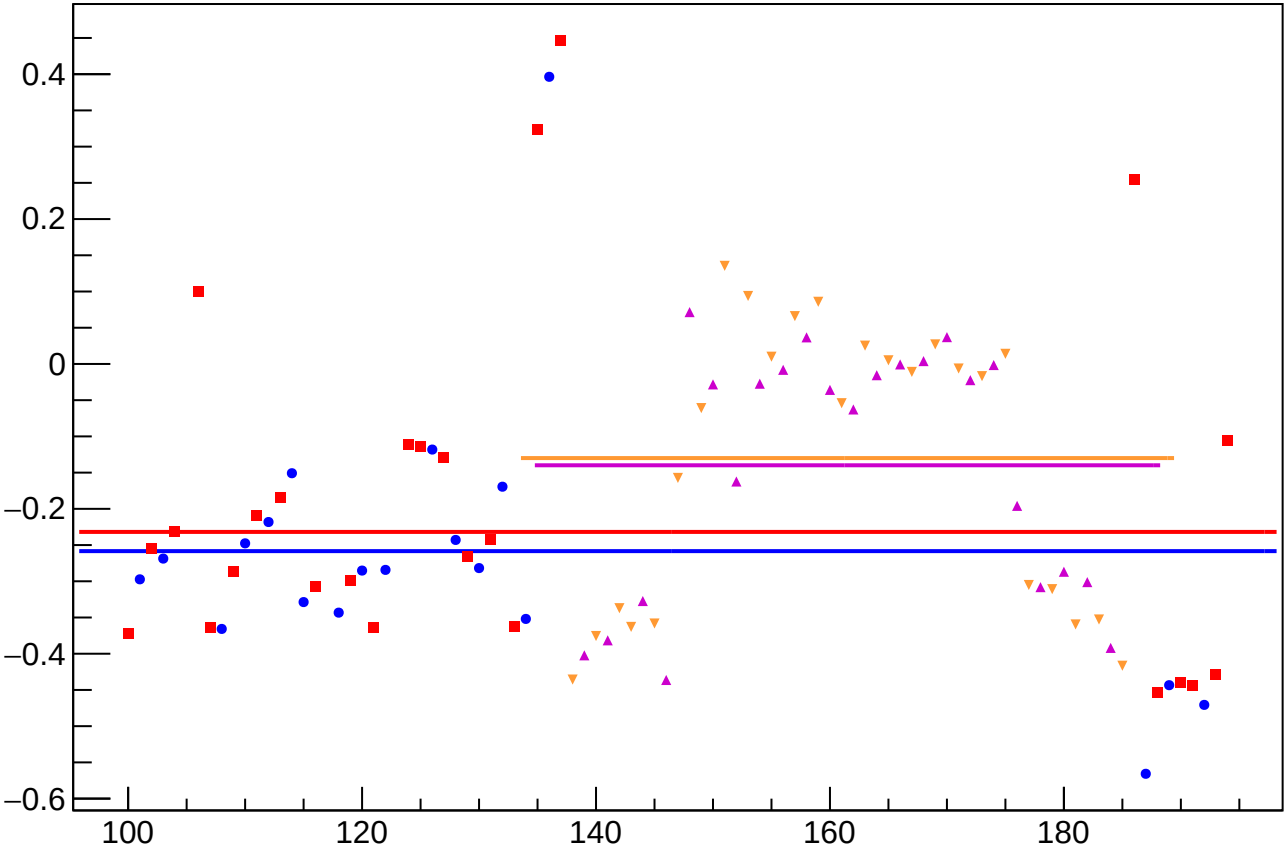
Right: 0.005+/-0.000 χ^2/NDF: 1588750.0/43

In: 0.005+/-0.000 χ^2/NDF:989453.6/41

Out: 0.005+/-0.000 χ^2/NDF:1678565.7/49

All: 0.005+/-0.000 χ^2/NDF: 2668354.1/91

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.258+/-0.000 χ^2/NDF: 8292549982.3/18

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: -0.232+/-0.000 χ^2/NDF: 9814424936.3/24

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

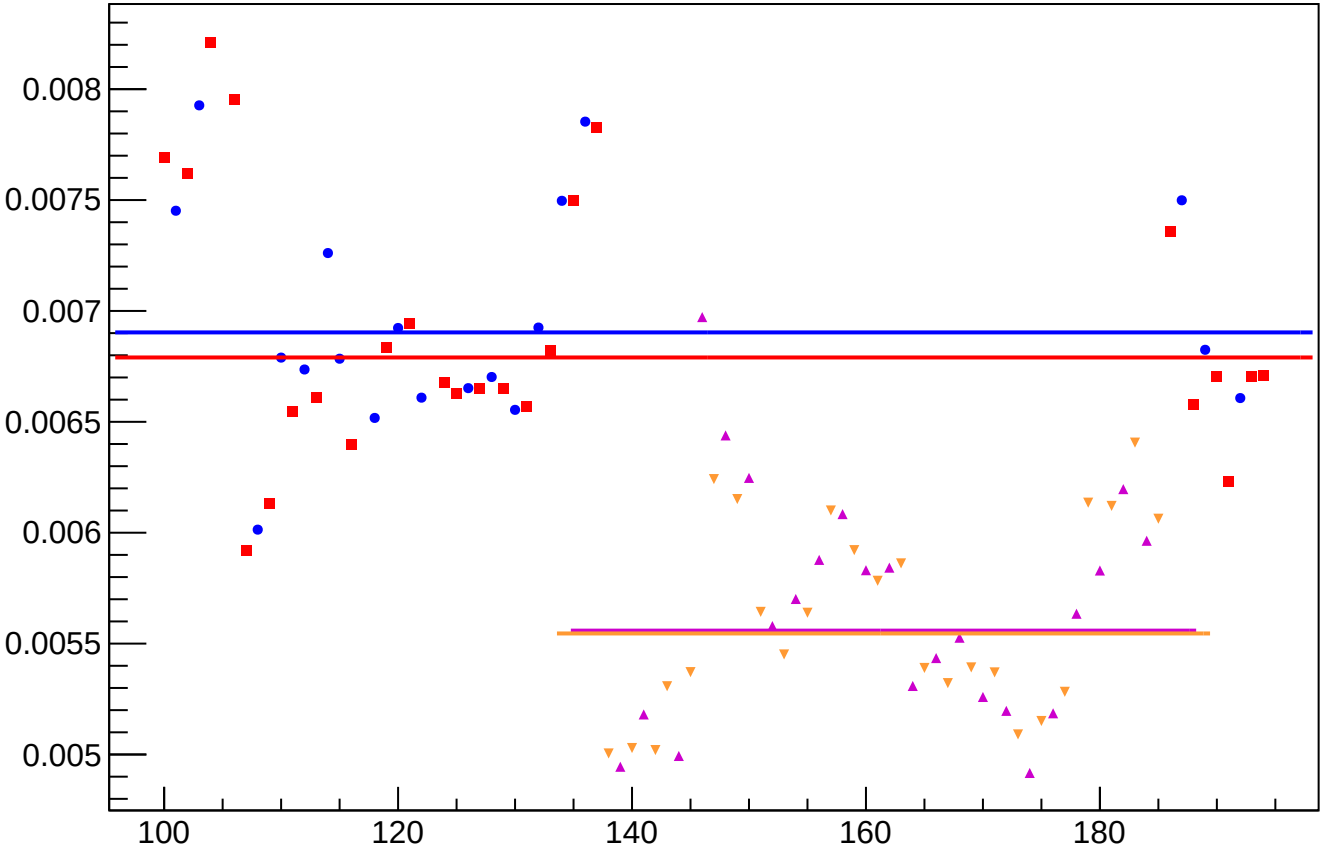
Right: -0.243+/-0.000 χ^2/NDF: 18179226913.2/43

In: -0.169+/-0.000 χ^2/NDF:25374494530.8/41

Out: -0.159+/-0.000 χ^2/NDF:33059271799.6/49

All: -0.164+/-0.000 χ^2/NDF: 58475878223.3/

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 91901.8/18

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 112059.9/24

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

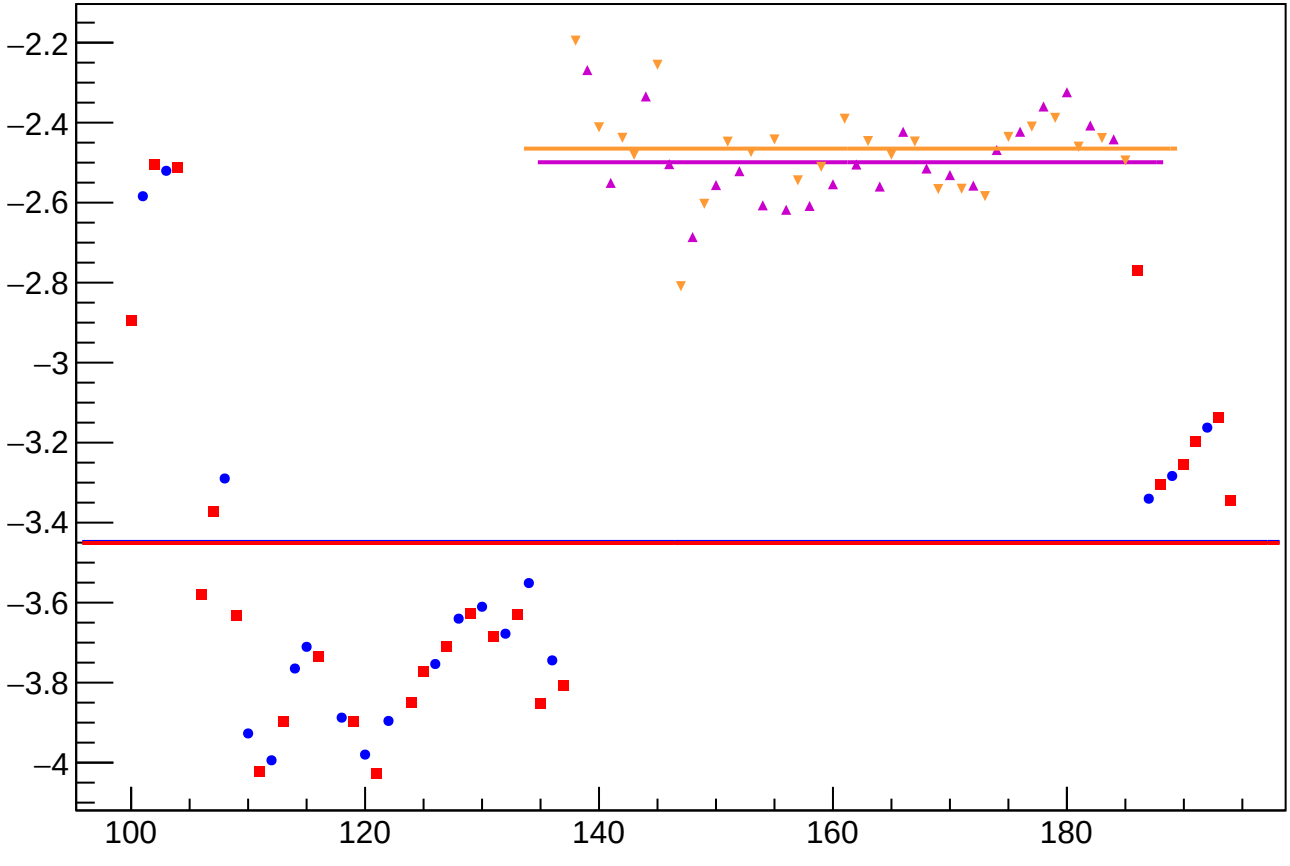
Right: 0.007+/-0.000 χ^2/NDF: 206584.0/43

In: 0.006+/-0.000 χ^2/NDF:850808.9/41

Out: 0.006+/-0.000 χ^2/NDF:835380.4/49

All: 0.006+/-0.000 χ^2/NDF: 1686230.8/91

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.448+/-0.000 χ^2/NDF: 30308007267.6/18

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.451+/-0.000 χ^2/NDF: 32536420079.1/24

Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

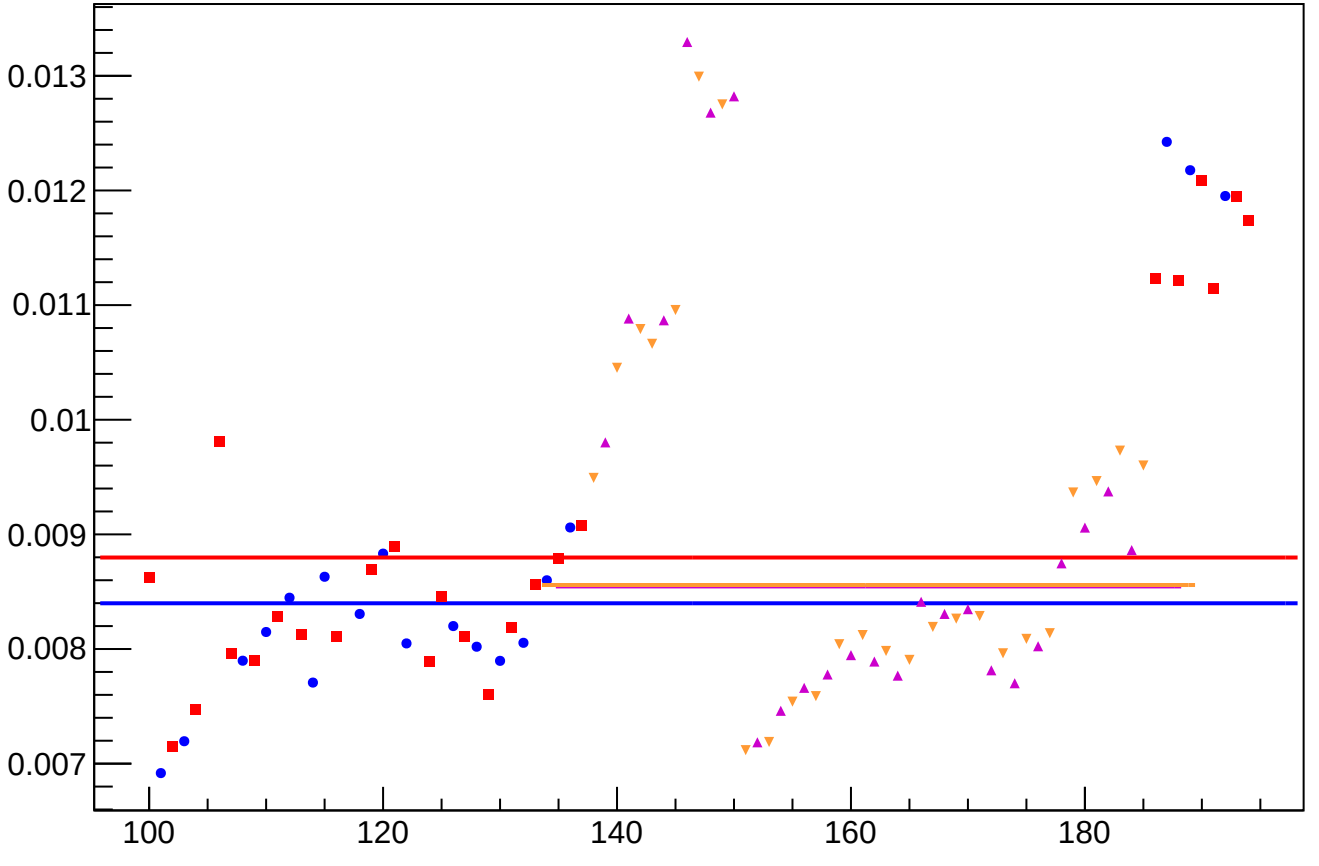
Right: -3.450+/-0.000 χ^2/NDF: 62844882028.2/43

In: -2.821+/-0.000 χ^2/NDF:104080715676.0/41

Out: -2.813+/-0.000 χ^2/NDF:119467823833.7/49

All: -2.817+/-0.000 χ^2/NDF: 223559415040.2

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 424403.1/18

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 585816.5/24

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

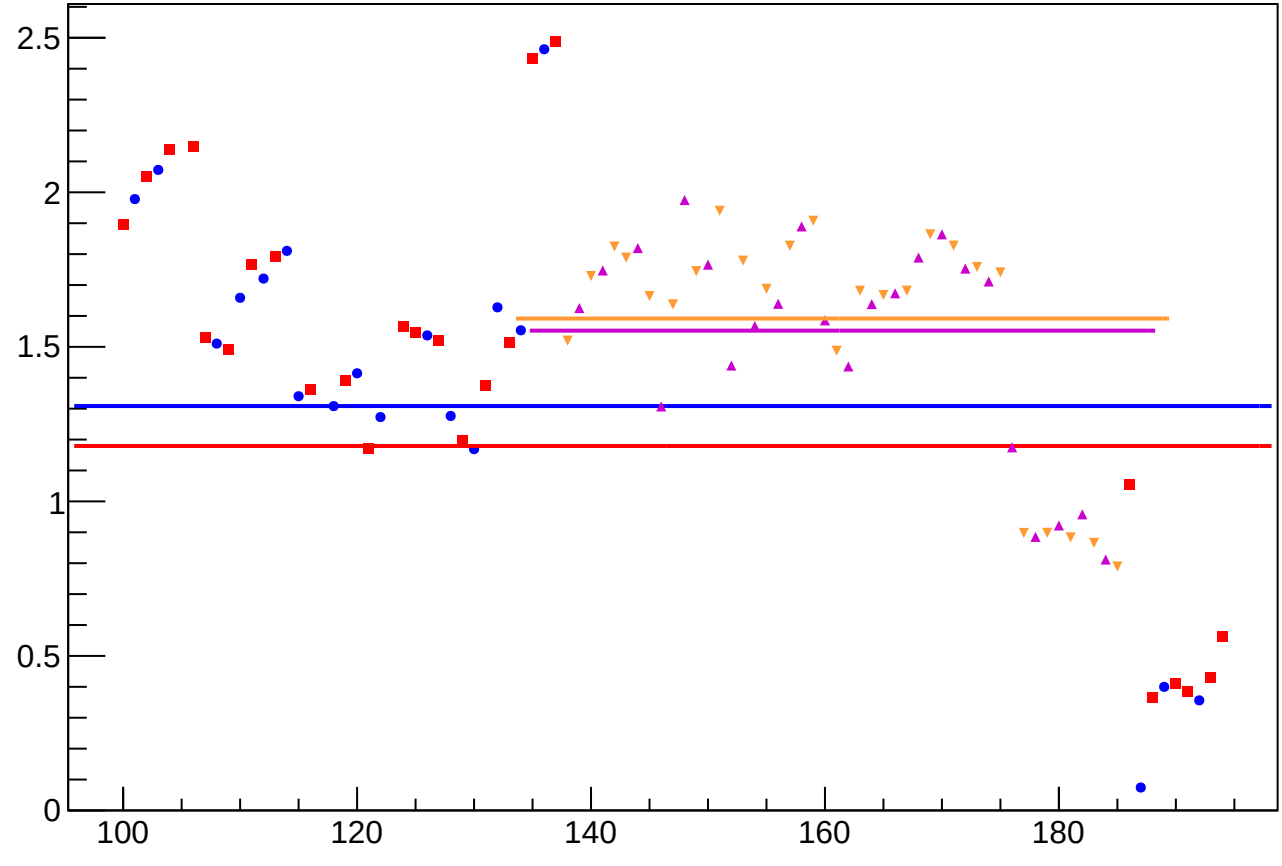
Right: 0.009+/-0.000 χ^2/NDF: 1030463.1/43

In: 0.008+/-0.000 χ^2/NDF:1338589.6/41

Out: 0.009+/-0.000 χ^2/NDF:1419877.9/49

All: 0.009+/-0.000 χ^2/NDF: 2766404.0/91

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.308+/-0.000 χ^2/NDF: 26259805264.6/18

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.179+/-0.000 χ^2/NDF: 33376138530.3/24

Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

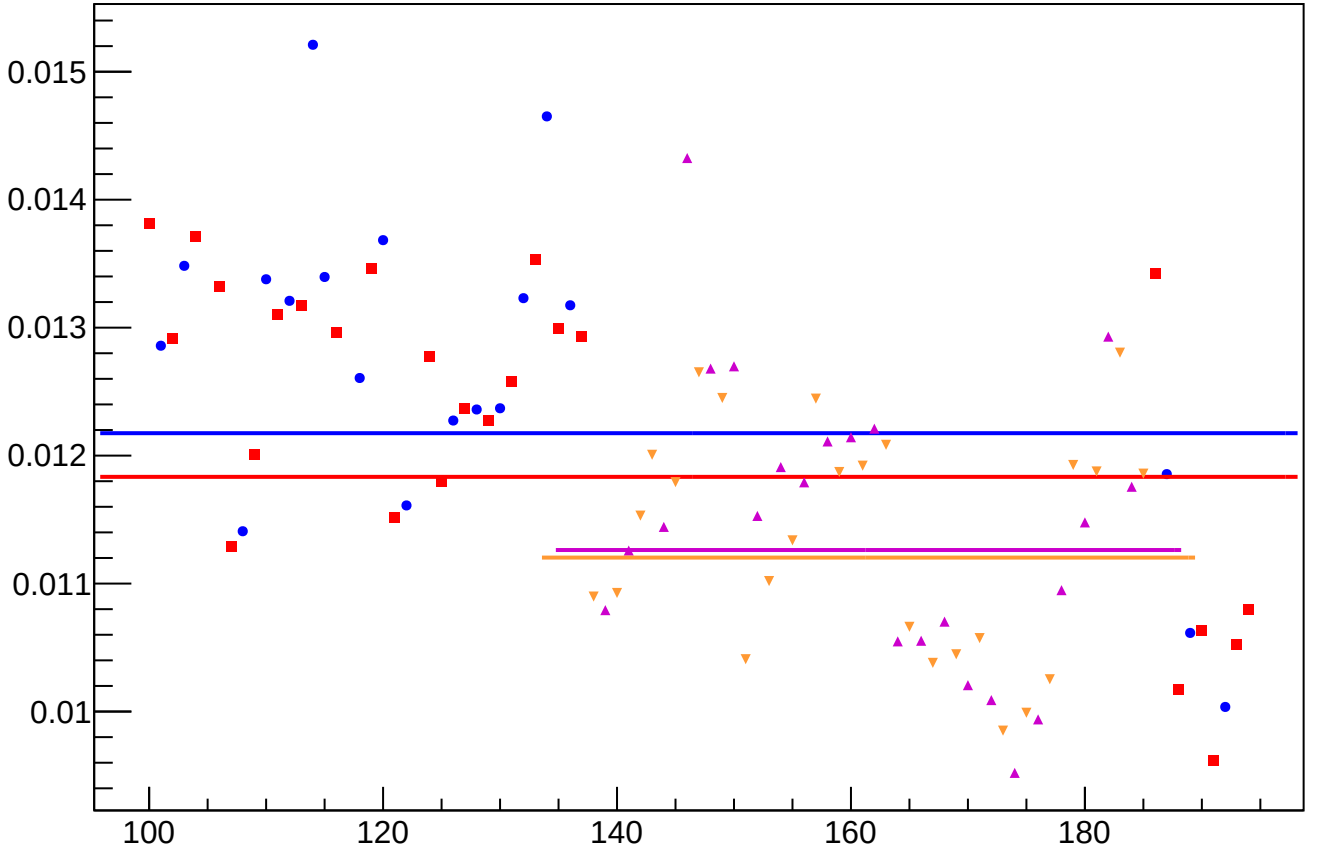
Right: 1.235+/-0.000 χ^2/NDF: 60186981433.1/43

In: 1.480+/-0.000 χ^2/NDF:42740890481.9/41

Out: 1.451+/-0.000 χ^2/NDF:58999996110.6/49

All: 1.464+/-0.000 χ^2/NDF: 101828286312.8

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 199580.1/18

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF: 244996.6/24

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

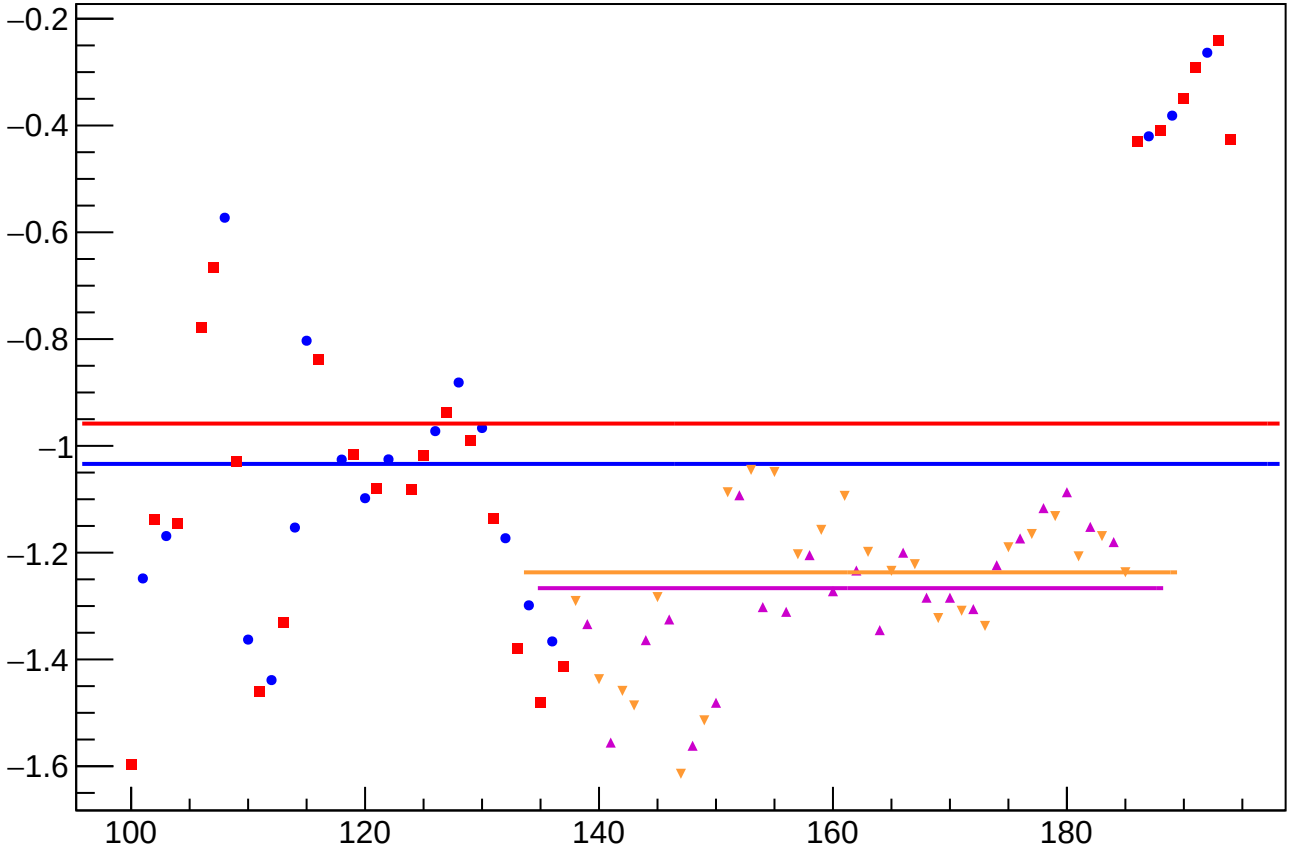
Right: 0.012+/-0.000 χ^2/NDF: 452256.1/43

In: 0.012+/-0.000 χ^2/NDF:579155.0/41

Out: 0.011+/-0.000 χ^2/NDF:508581.2/49

All: 0.011+/-0.000 χ^2/NDF: 1090530.0/91

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -1.034+/-0.000 χ^2/NDF: 10869883092.7/18

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.958+/-0.000 χ^2/NDF: 16339160641.8/24

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

Left: -1.251+/-0.000 χ^2/NDF: 8764581472.4/47

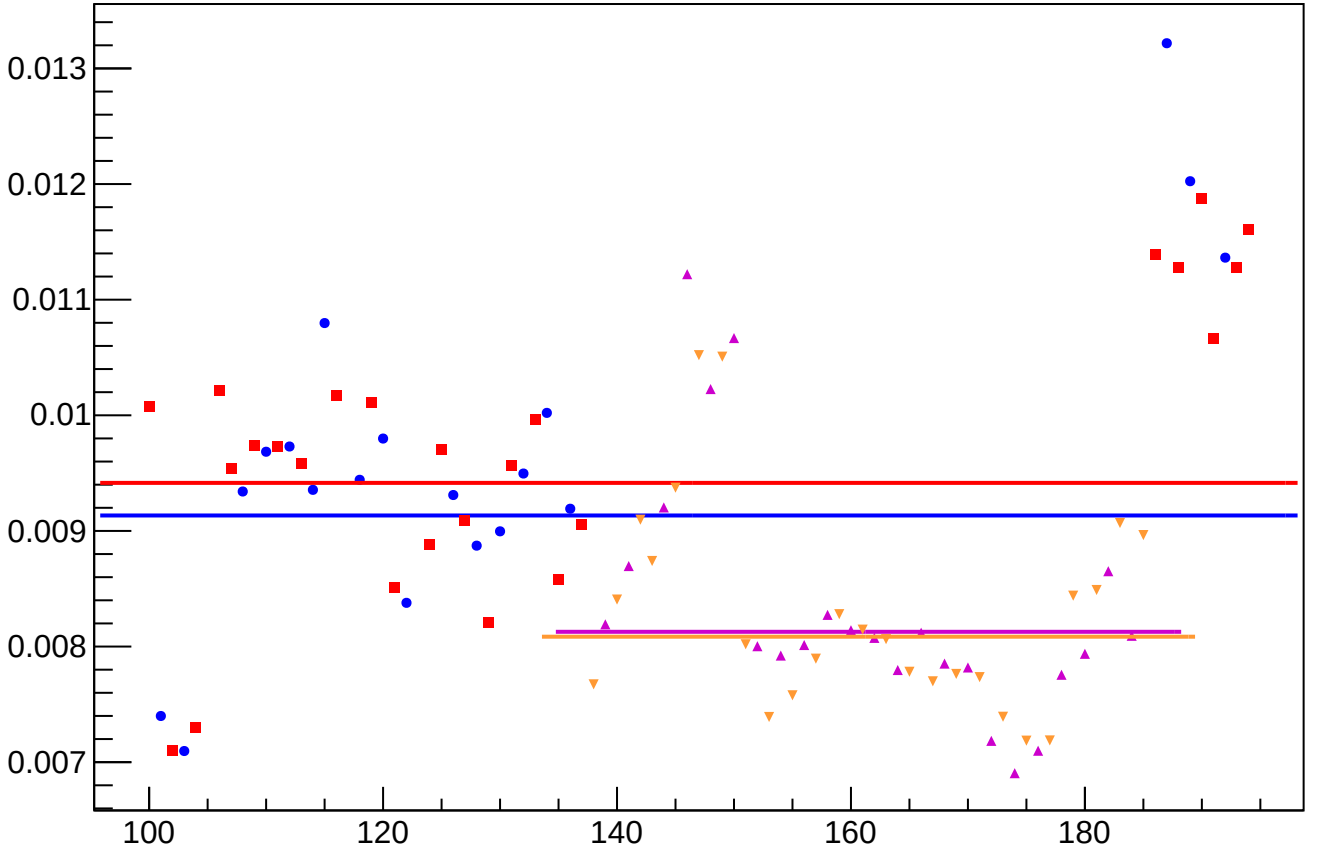
Right: -0.993+/-0.000 χ^2/NDF: 27517648139.5/43

In: -1.201+/-0.000 χ^2/NDF:18470343078.4/41

Out: -1.154+/-0.000 χ^2/NDF:27687410948.4/49

All: -1.177+/-0.000 χ^2/NDF: 46578837955.6/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 361734.3/18

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 484278.9/24

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

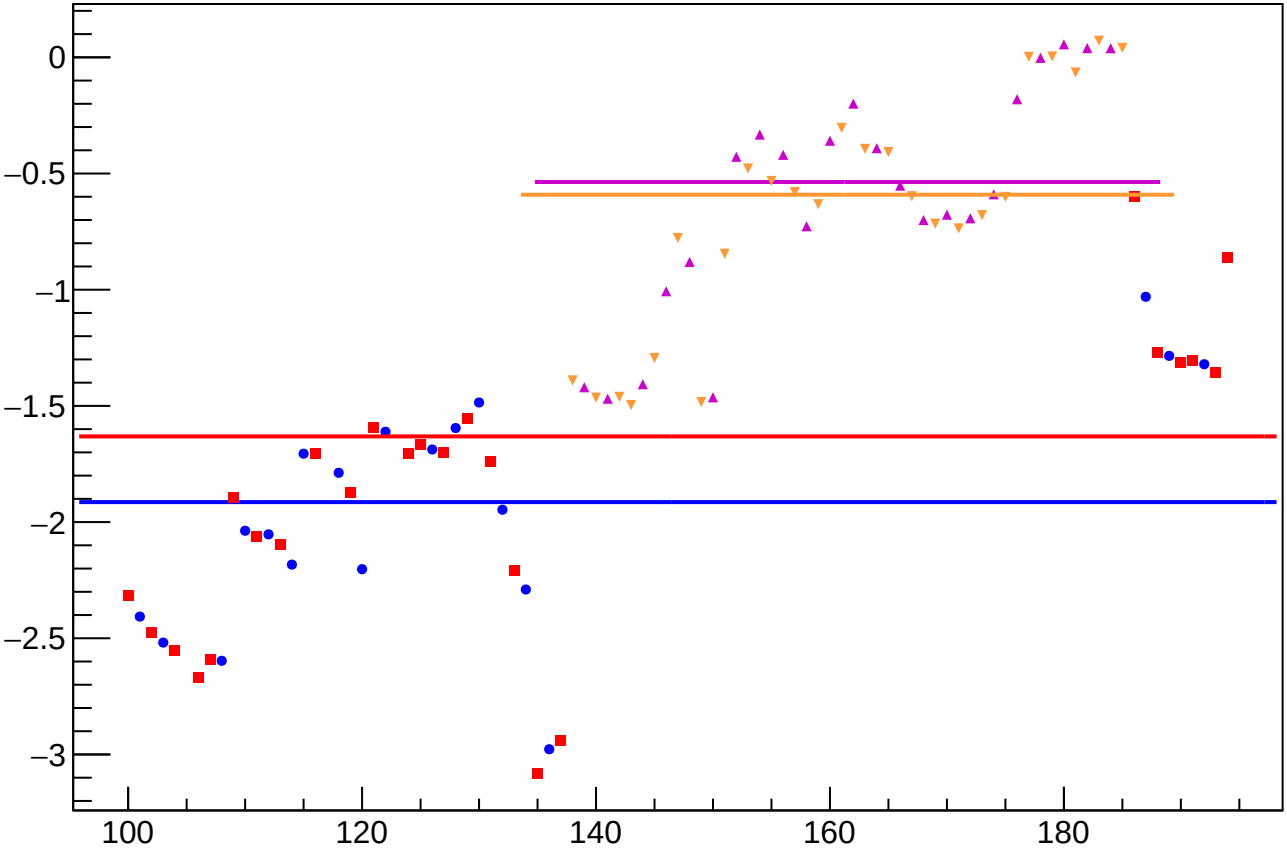
Right: 0.009+/-0.000 χ^2/NDF: 854605.0/43

In: 0.008+/-0.000 χ^2/NDF:917506.9/41

Out: 0.008+/-0.000 χ^2/NDF:1101797.0/49

All: 0.008+/-0.000 χ^2/NDF: 2021226.3/91

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -1.914+/-0.000 χ^2/NDF: 48175796238.1/18

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -1.631+/-0.000 χ^2/NDF: 96425341183.4/24

Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

Left: -0.564+/-0.000 χ^2/NDF: 143410113051.4/47

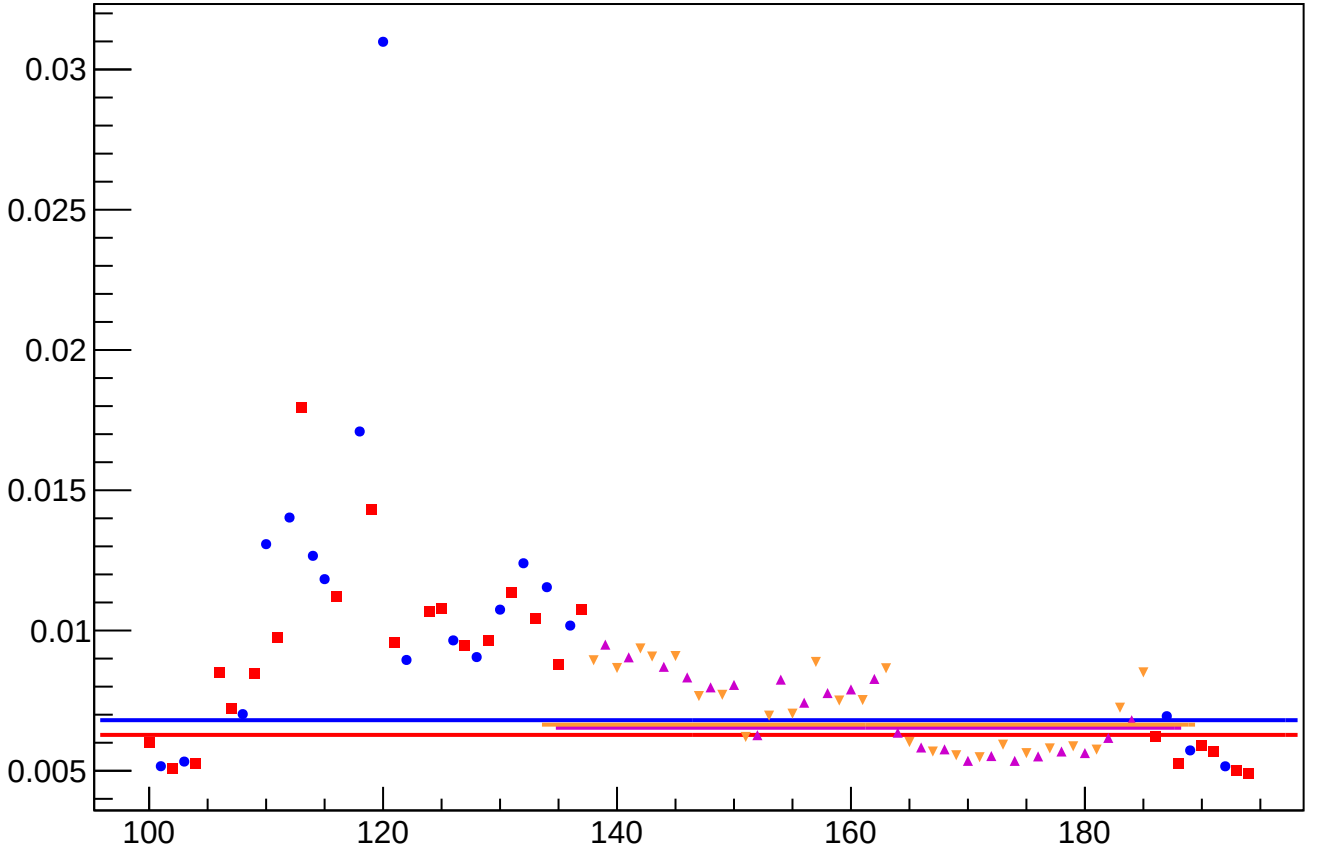
Right: -1.742+/-0.000 χ^2/NDF: 151419474039.4/43

In: -0.914+/-0.000 χ^2/NDF:311229552151.5/41

Out: -0.972+/-0.000 χ^2/NDF:319134842130.2/49

All: -0.945+/-0.000 χ^2/NDF: 631289461090.9

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 2052237.8/18

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1971093.6/24

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

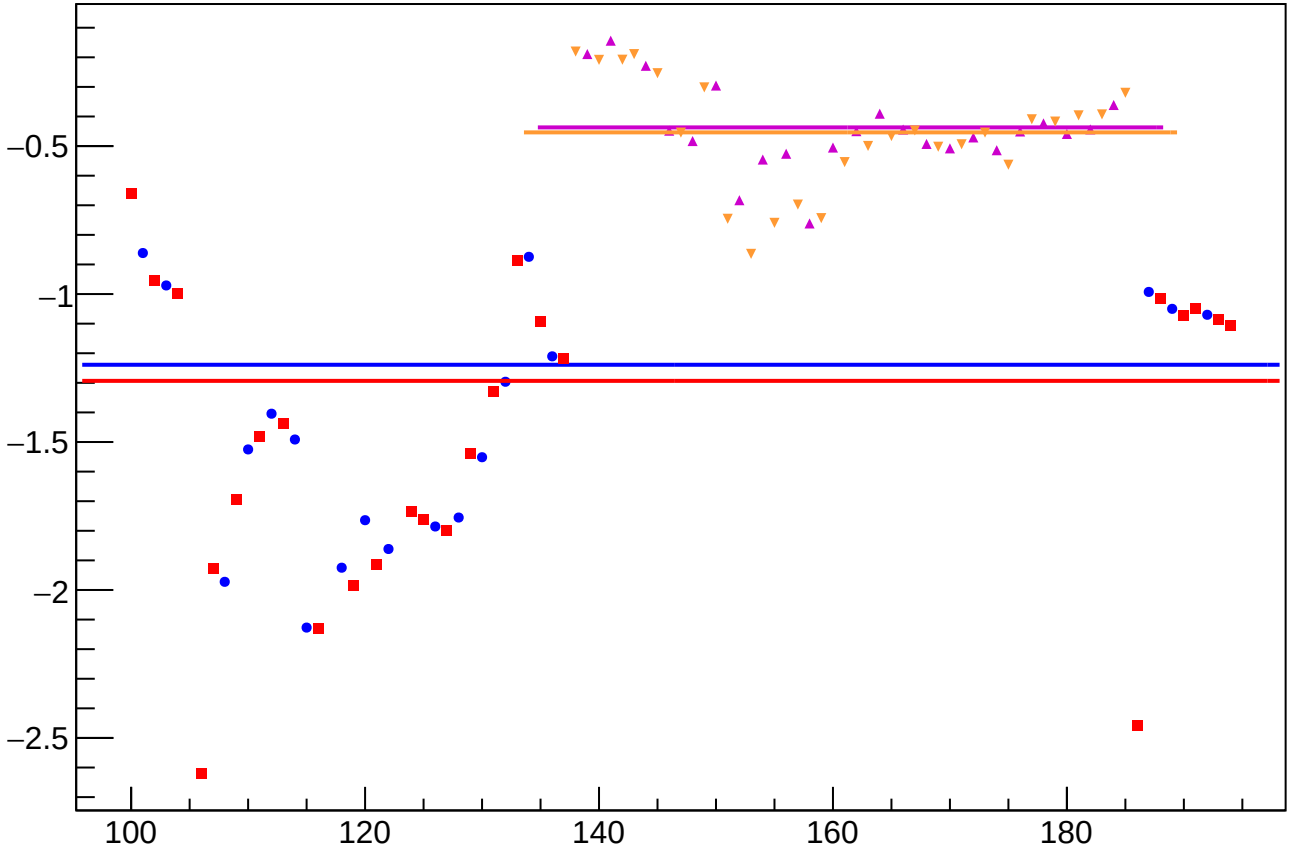
Right: 0.006+/-0.000 χ^2/NDF: 4070291.0/43

In: 0.007+/-0.000 χ^2/NDF:3218088.8/41

Out: 0.007+/-0.000 χ^2/NDF:3100118.6/49

All: 0.007+/-0.000 χ^2/NDF: 6323404.0/91

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.239+/-0.000 χ^2/NDF: 26285458221.4/18

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.293+/-0.000 χ^2/NDF: 70219239054.4/24

Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

Left: -0.446+/-0.000 χ^2/NDF: 45759847773.7/47

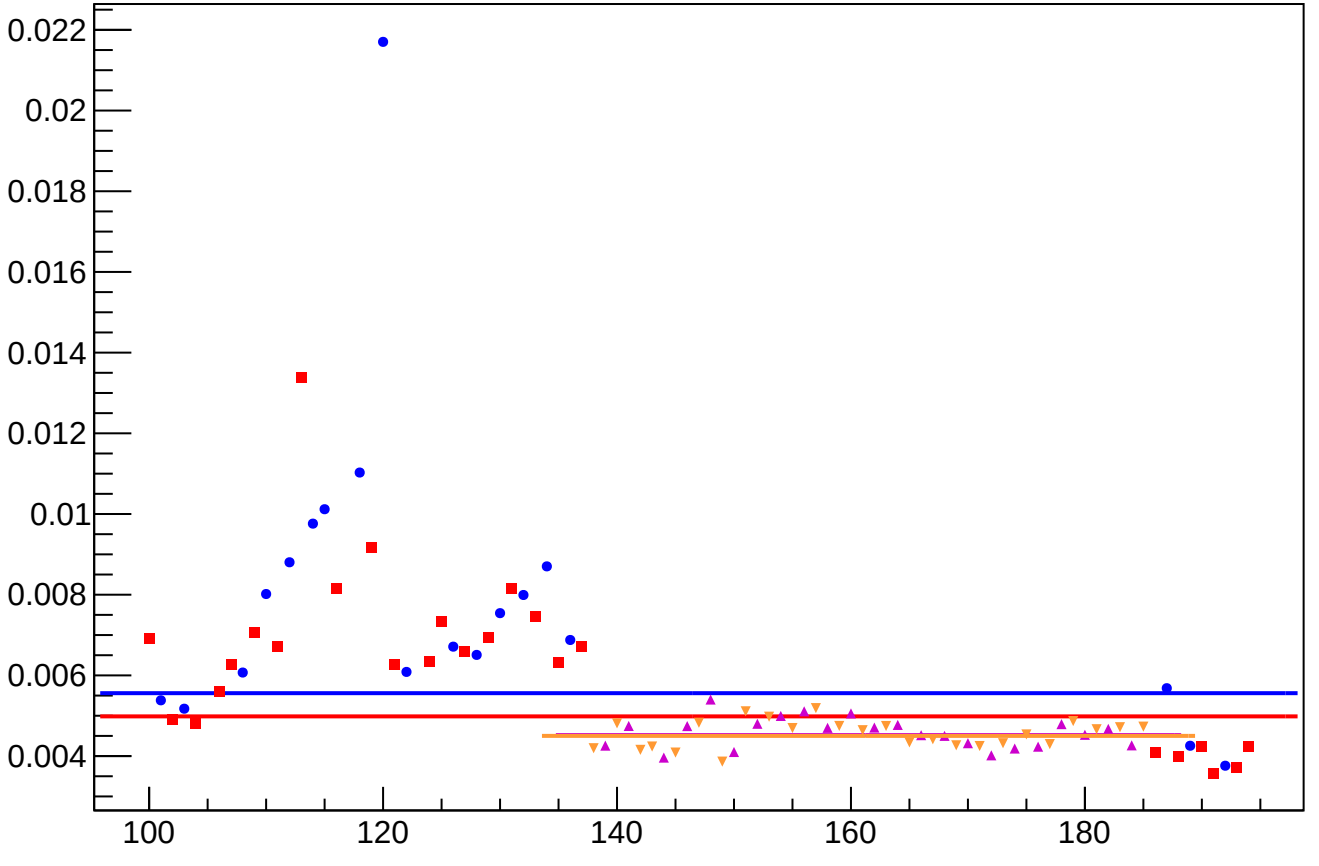
Right: -1.273+/-0.000 χ^2/NDF: 96908959241.9/43

In: -0.608+/-0.000 χ^2/NDF:154854731192.3/41

Out: -0.698+/-0.000 χ^2/NDF:277584114879.0/49

All: -0.657+/-0.000 χ^2/NDF: 436935926031.0

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1467820.9/18

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1531202.6/24

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

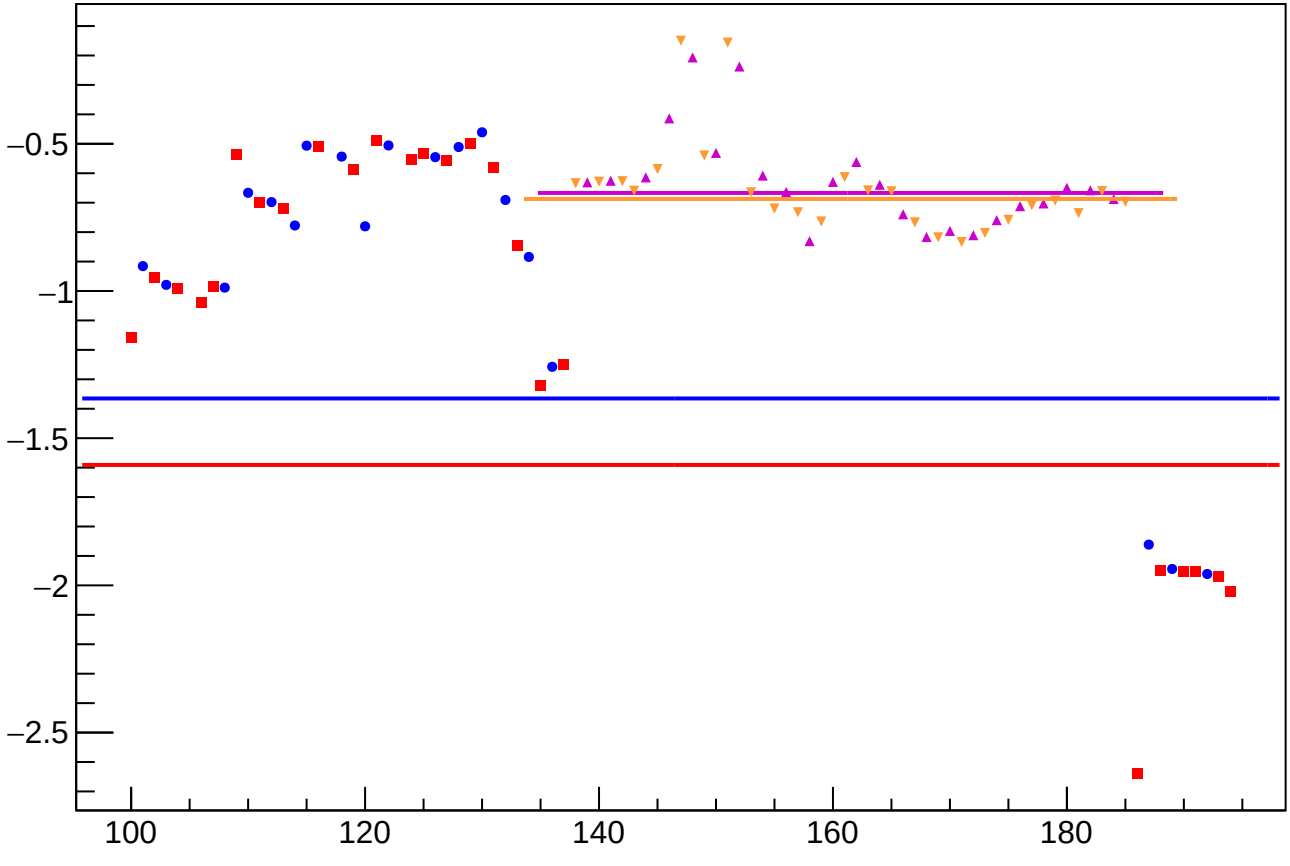
Right: 0.005+/-0.000 χ^2/NDF: 3089418.6/43

In: 0.005+/-0.000 χ^2/NDF:2055725.9/41

Out: 0.005+/-0.000 χ^2/NDF:1838458.7/49

All: 0.005+/-0.000 χ^2/NDF: 3905659.5/91

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -1.365+/-0.000 χ^2/NDF: 125214298345.5/18

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.591+/-0.000 χ^2/NDF: 222045620316.0/24

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

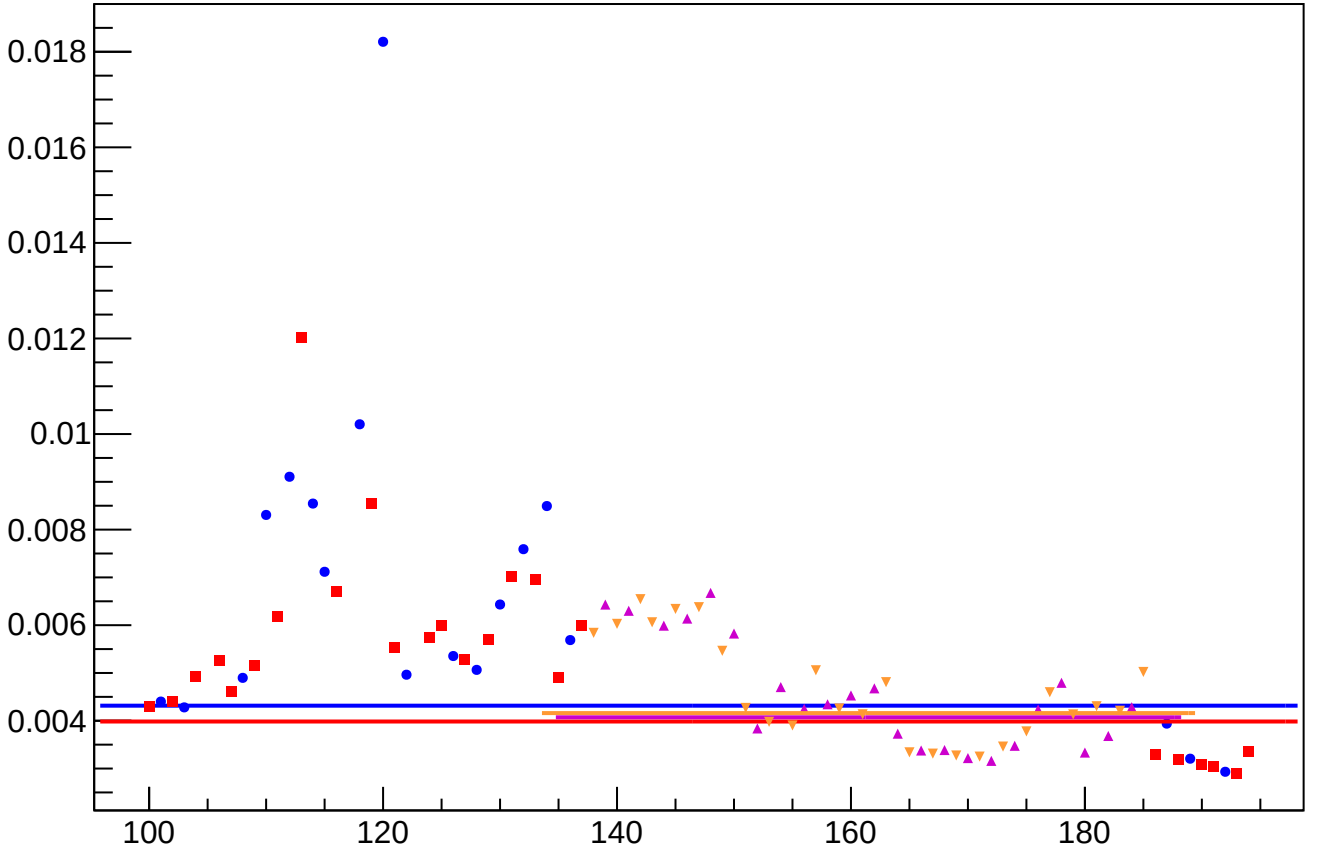
Right: -1.502+/-0.000 χ^2/NDF: 358292696807.3/43

In: -0.857+/-0.000 χ^2/NDF:274041993500.9/41

Out: -1.016+/-0.000 χ^2/NDF:531198727449.1/49

All: -0.942+/-0.000 χ^2/NDF: 823038641277.5

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 1995253.9/18

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1909182.3/24

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

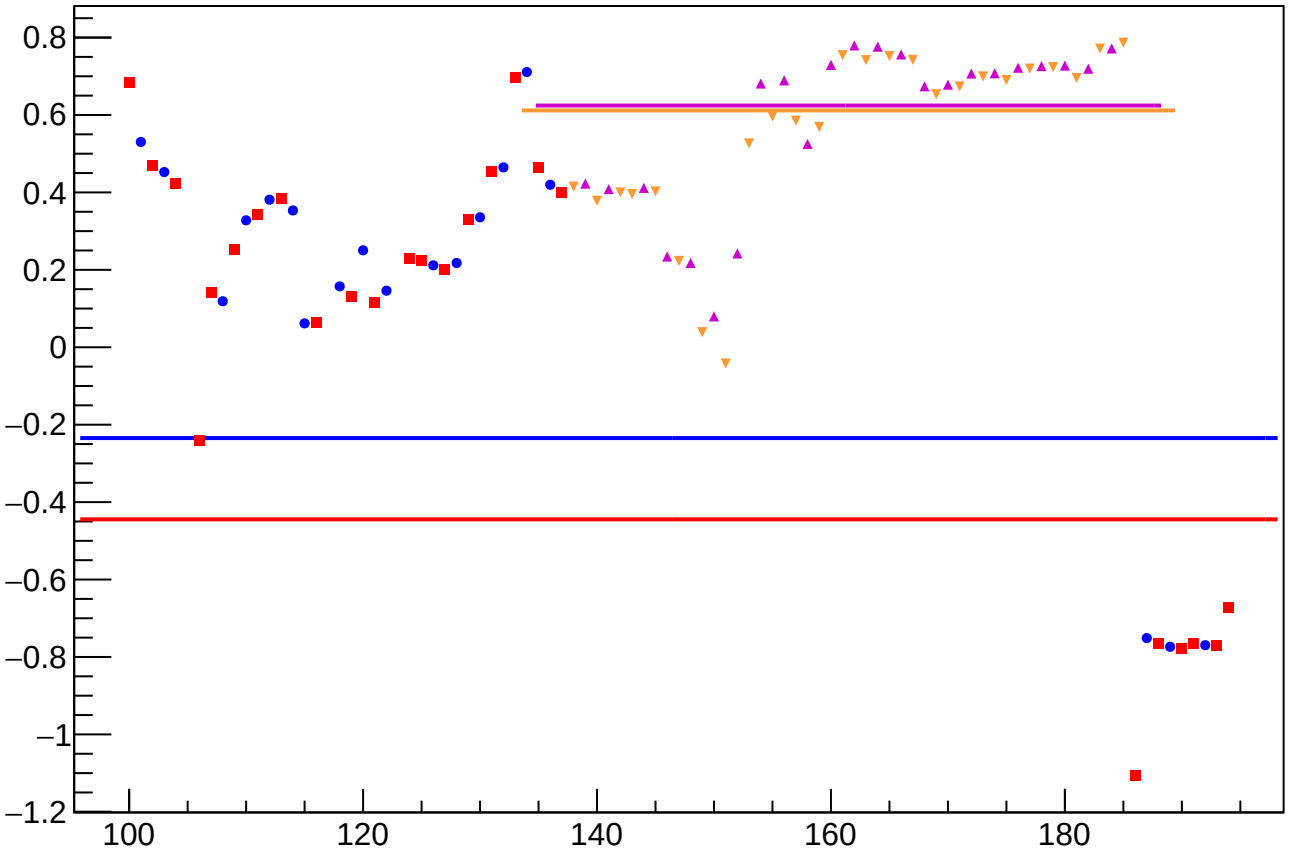
Right: 0.004+/-0.000 χ^2/NDF: 3951941.0/43

In: 0.004+/-0.000 χ^2/NDF:3776117.4/41

Out: 0.004+/-0.000 χ^2/NDF:3451037.0/49

All: 0.004+/-0.000 χ^2/NDF: 7229687.1/91

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: -0.235+/-0.000 χ^2/NDF: 255476105714.3/18

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.444+/-0.000 χ^2/NDF: 380300426501.2/24

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

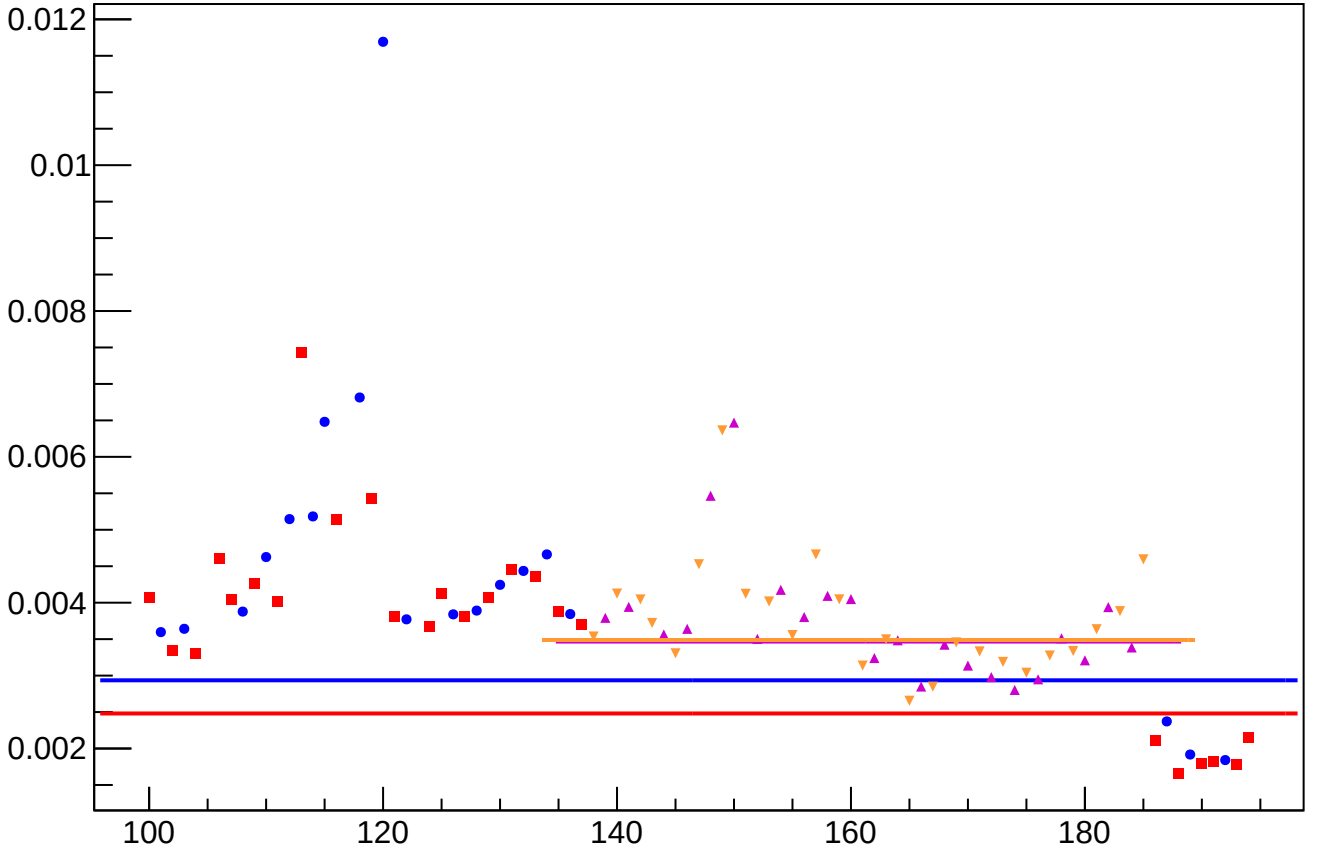
Right: -0.368+/-0.000 χ^2/NDF: 657469131675.7/43

In: 0.299+/-0.000 χ^2/NDF:650041596330.4/41

Out: 0.077+/-0.000 χ^2/NDF:1171449255415.2/49

All: 0.173+/-0.000 χ^2/NDF: 1878590463513.

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 2362928.3/18

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 2963635.2/24

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

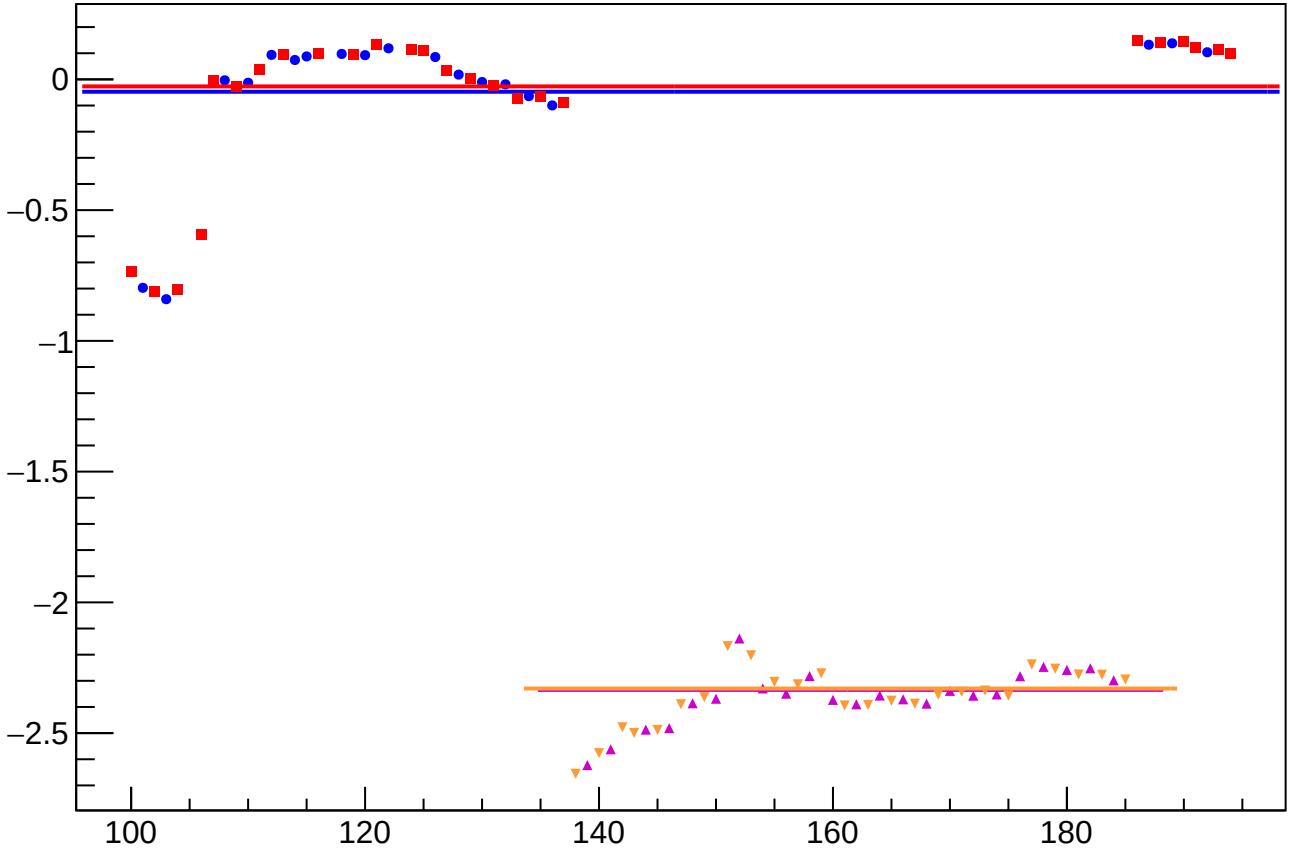
Right: 0.003+/-0.000 χ^2/NDF: 5530213.4/43

In: 0.003+/-0.000 χ^2/NDF:3528257.2/41

Out: 0.003+/-0.000 χ^2/NDF:5170560.7/49

All: 0.003+/-0.000 χ^2/NDF: 8890475.8/91

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.047+/-0.000 χ^2/NDF: 6095290102.0/18

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.027+/-0.000 χ^2/NDF: 7530481698.0/24

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

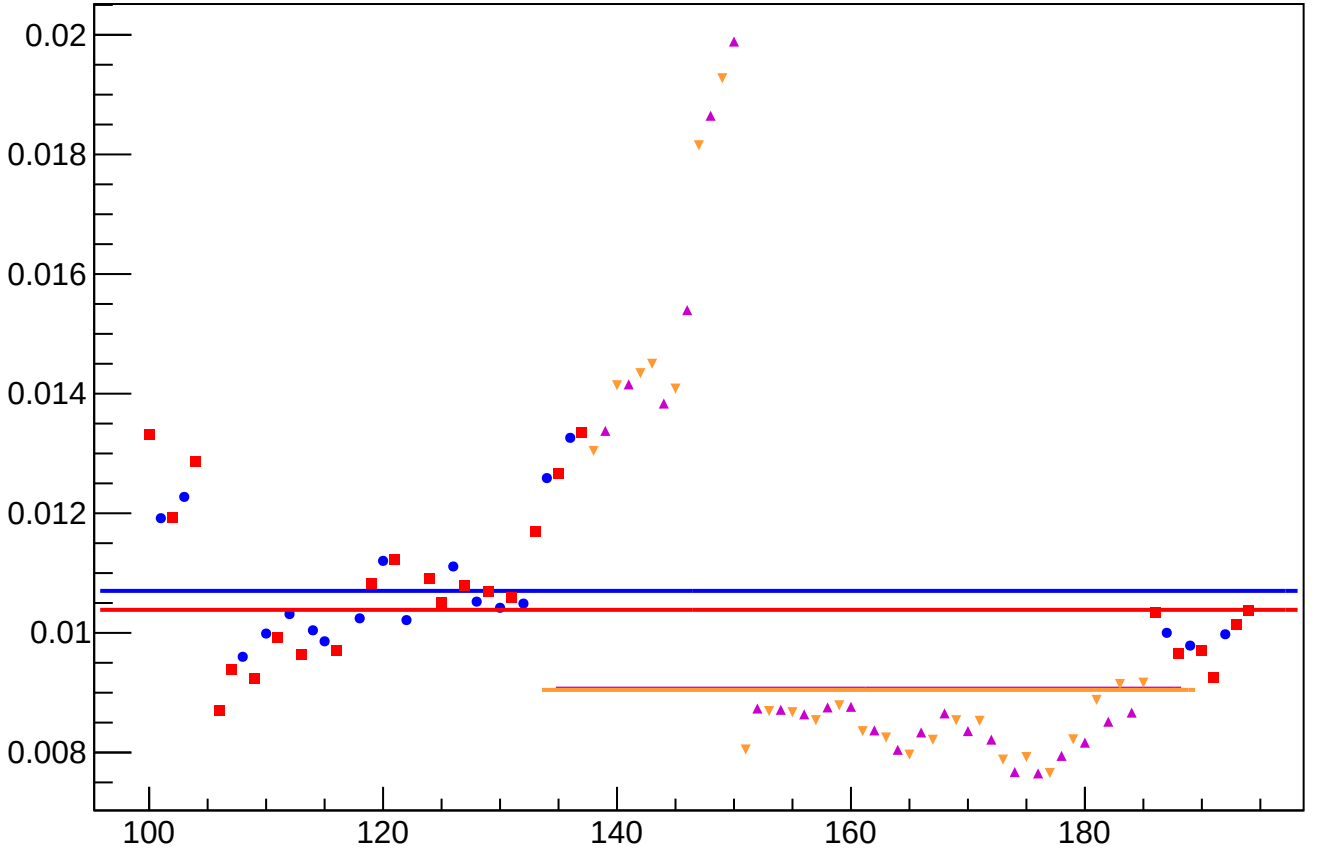
Right: -0.036+/-0.000 χ^2/NDF: 13643872110.4/43

In: -1.719+/-0.000 χ^2/NDF:301406843054.0/41

Out: -1.605+/-0.000 χ^2/NDF:379871605811.4/49

All: -1.659+/-0.000 χ^2/NDF: 683251476584.1

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 163850.8/18

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.010+/-0.000 χ^2/NDF: 220506.9/24

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

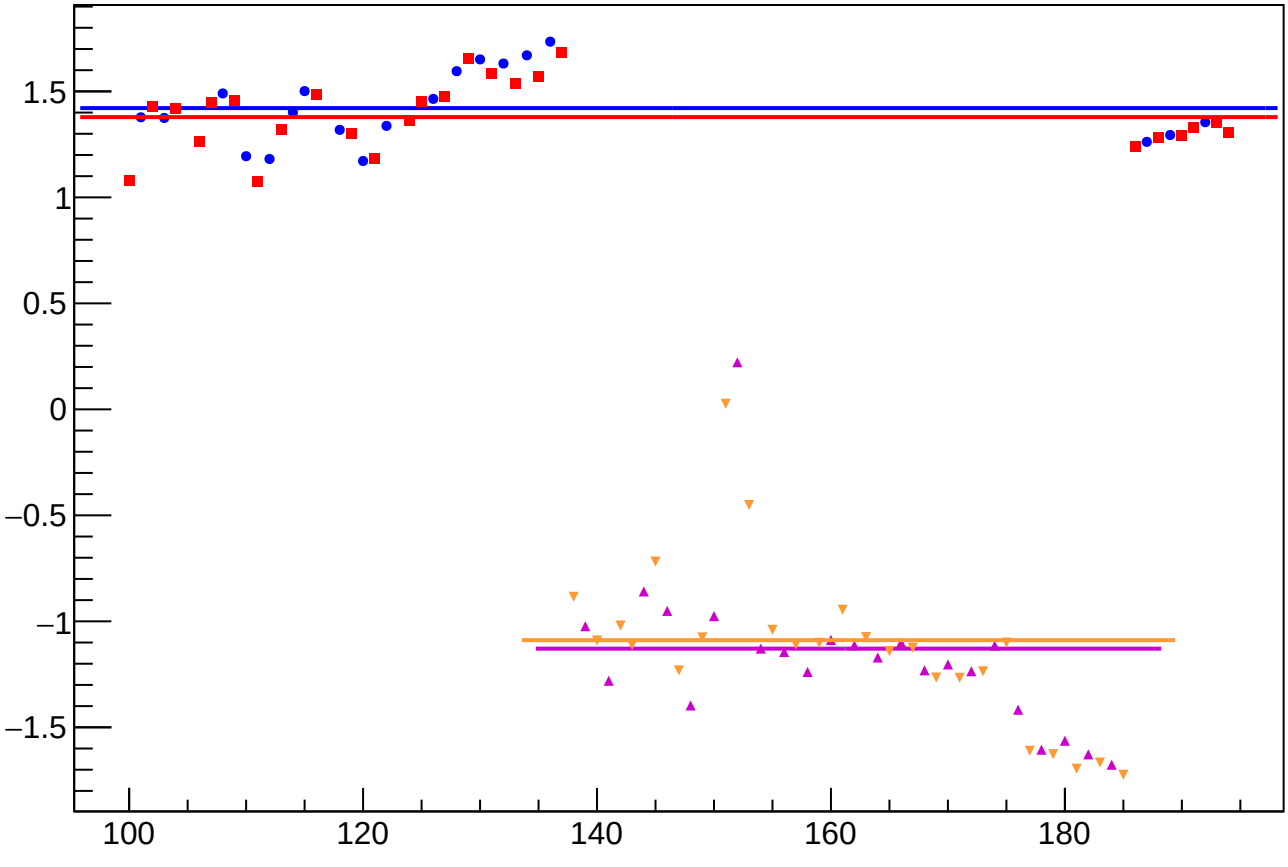
Right: 0.011+/-0.000 χ^2/NDF: 393163.6/43

In: 0.010+/-0.000 χ^2/NDF:2597878.4/41

Out: 0.009+/-0.000 χ^2/NDF:2519529.3/49

All: 0.009+/-0.000 χ^2/NDF: 5117890.7/91

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.421+/-0.000 χ^2/NDF: 4106127452.7/18

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.379+/-0.000 χ^2/NDF: 3449781854.1/24

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

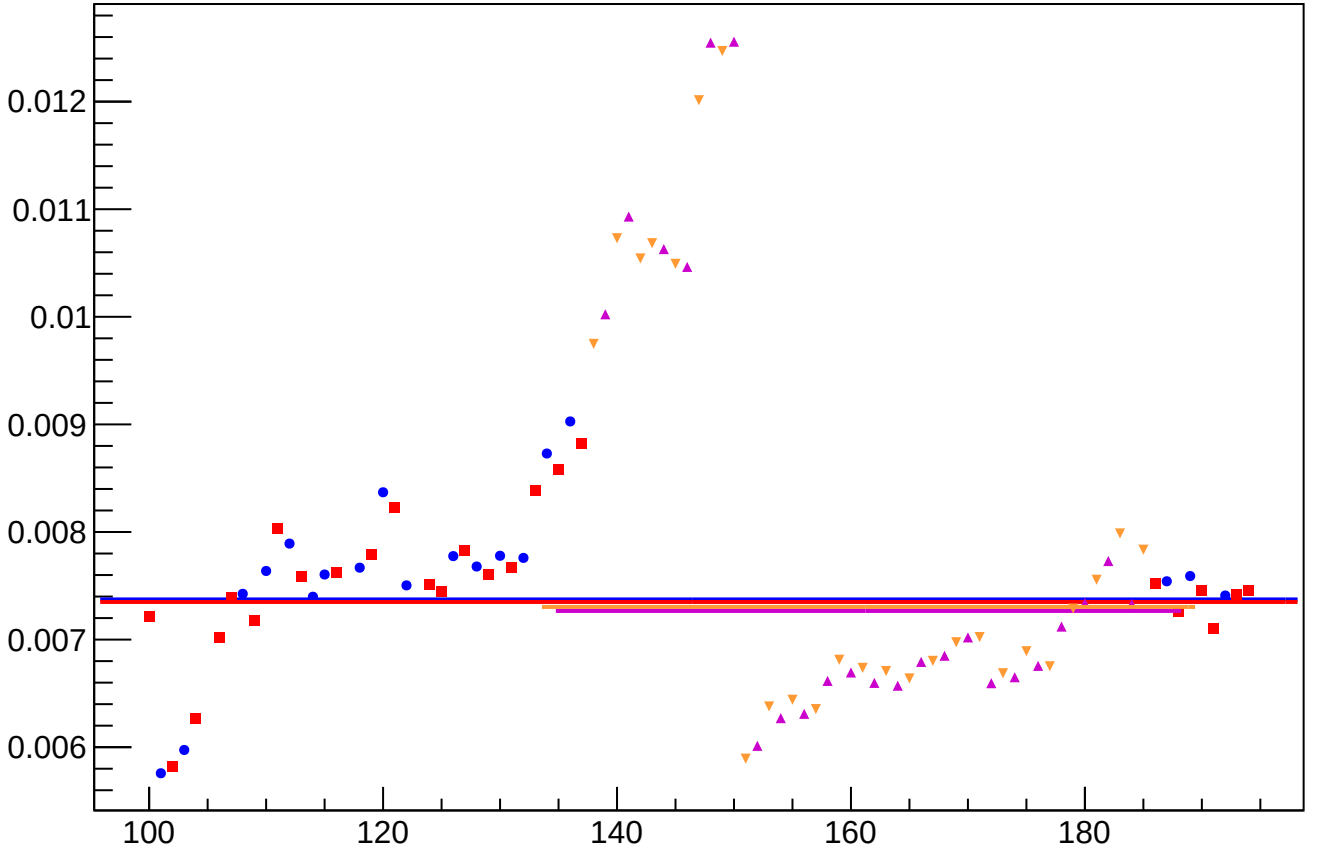
Right: 1.397+/-0.000 χ^2/NDF: 7718172860.7/43

In: -0.295+/-0.000 χ^2/NDF:766044527038.4/41

Out: -0.176+/-0.000 χ^2/NDF:845058055723.4/49

All: -0.232+/-0.000 χ^2/NDF: 1614822707969

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 272095.9/18

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 197406.8/24

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

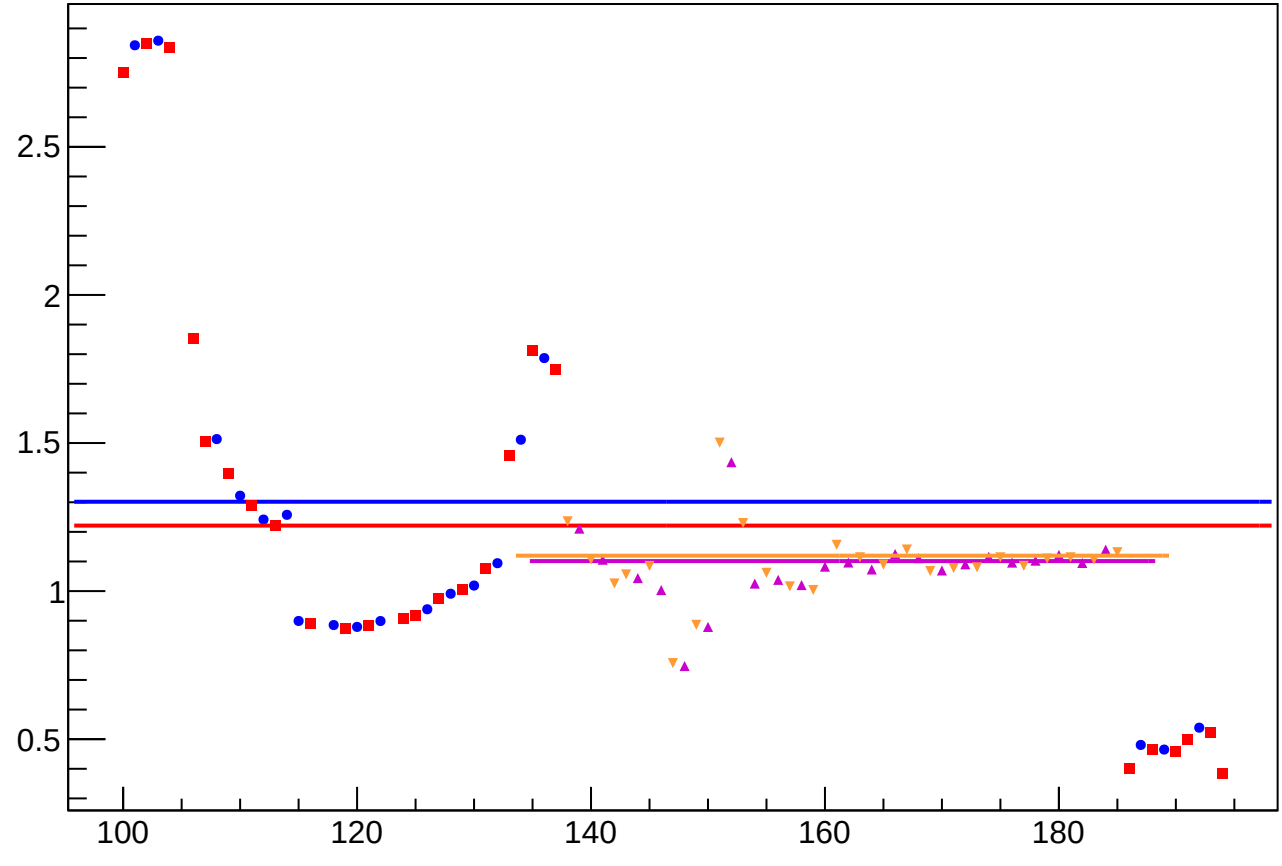
Right: 0.007+/-0.000 χ^2/NDF: 469601.9/43

In: 0.007+/-0.000 χ^2/NDF:1834664.7/41

Out: 0.007+/-0.000 χ^2/NDF:1702059.5/49

All: 0.007+/-0.000 χ^2/NDF: 3536919.7/91

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.302+/-0.000 χ^2/NDF: 70238973476.9/18

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.221+/-0.000 χ^2/NDF: 81637497347.3/24

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

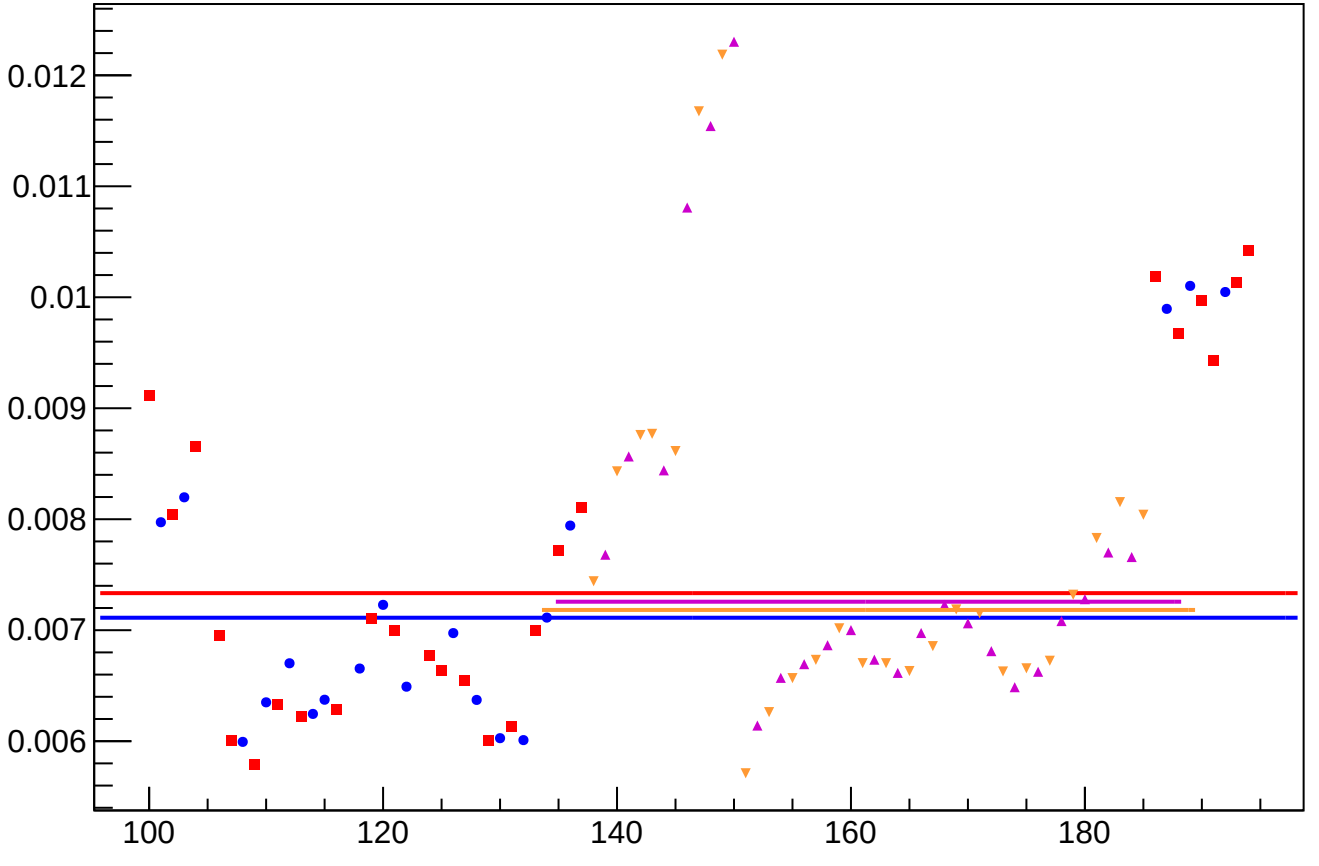
Right: 1.258+/-0.000 χ^2/NDF: 152471221681.8/43

In: 1.169+/-0.000 χ^2/NDF:78965933275.9/41

Out: 1.156+/-0.000 χ^2/NDF:88467969731.0/49

All: 1.162+/-0.000 χ^2/NDF: 167481210302.9

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 482883.1/18

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 840728.2/24

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

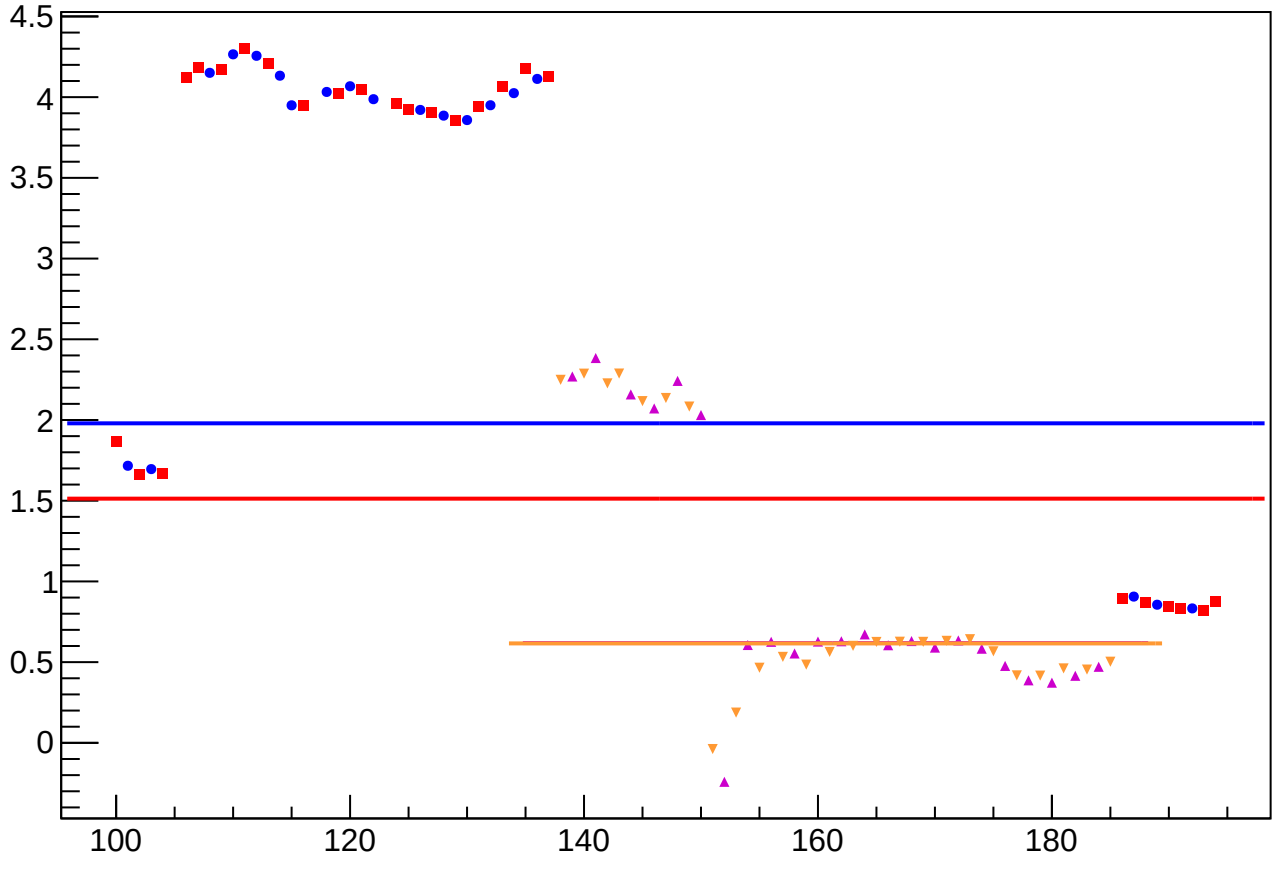
Right: 0.007+/-0.000 χ^2/NDF: 1332615.9/43

In: 0.007+/-0.000 χ^2/NDF:1404271.0/41

Out: 0.007+/-0.000 χ^2/NDF:1740393.7/49

All: 0.007+/-0.000 χ^2/NDF: 3145102.2/91

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 1.979+/-0.000 χ^2/NDF: 1223177554773.6/18

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.513+/-0.000 χ^2/NDF: 1627678553792.7/24

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

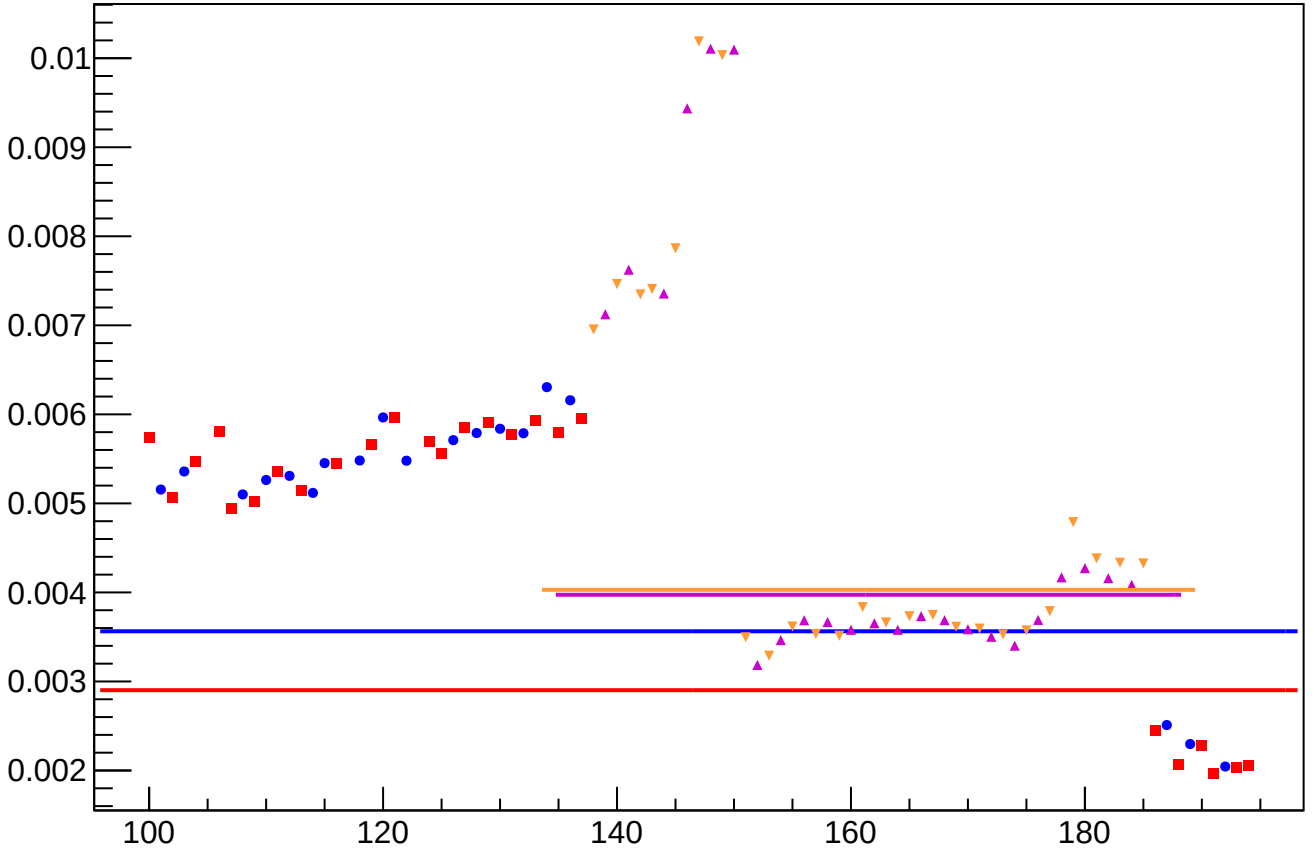
Right: 1.678+/-0.000 χ^2/NDF: 2929333624257.1/43

In: 1.098+/-0.000 χ^2/NDF:2147560046474.4/41

Out: 1.056+/-0.000 χ^2/NDF:2296236889305.3/49

All: 1.074+/-0.000 χ^2/NDF: 4445364540849.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 3251231.6/18

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4362871.5/24

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

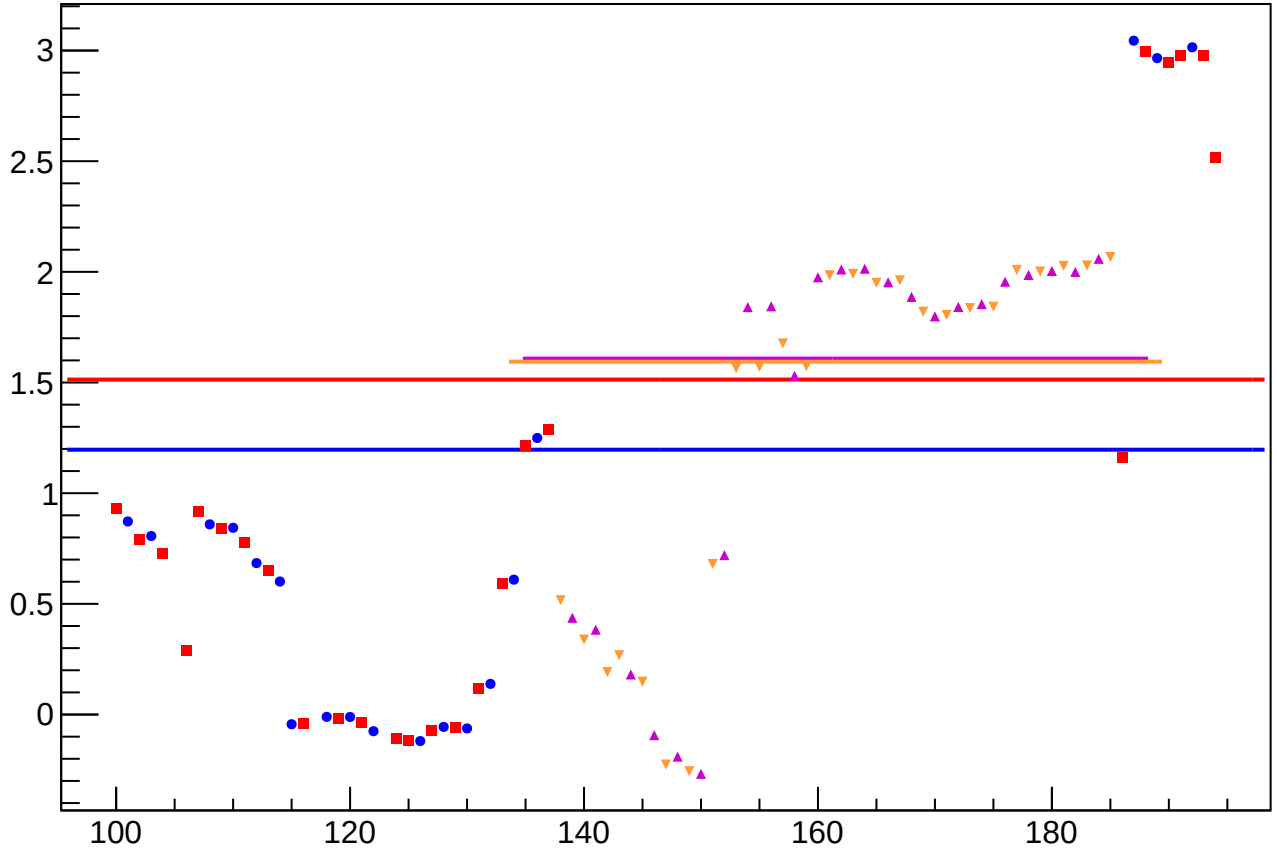
Right: 0.003+/-0.000 χ^2/NDF: 7929612.7/43

In: 0.004+/-0.000 χ^2/NDF:6494905.0/41

Out: 0.003+/-0.000 χ^2/NDF:8644496.9/49

All: 0.004+/-0.000 χ^2/NDF: 15363298.2/91

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 1.196+/-0.000 χ^2/NDF: 77391930340.2/18

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.513+/-0.000 χ^2/NDF: 102477362193.3/24

Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

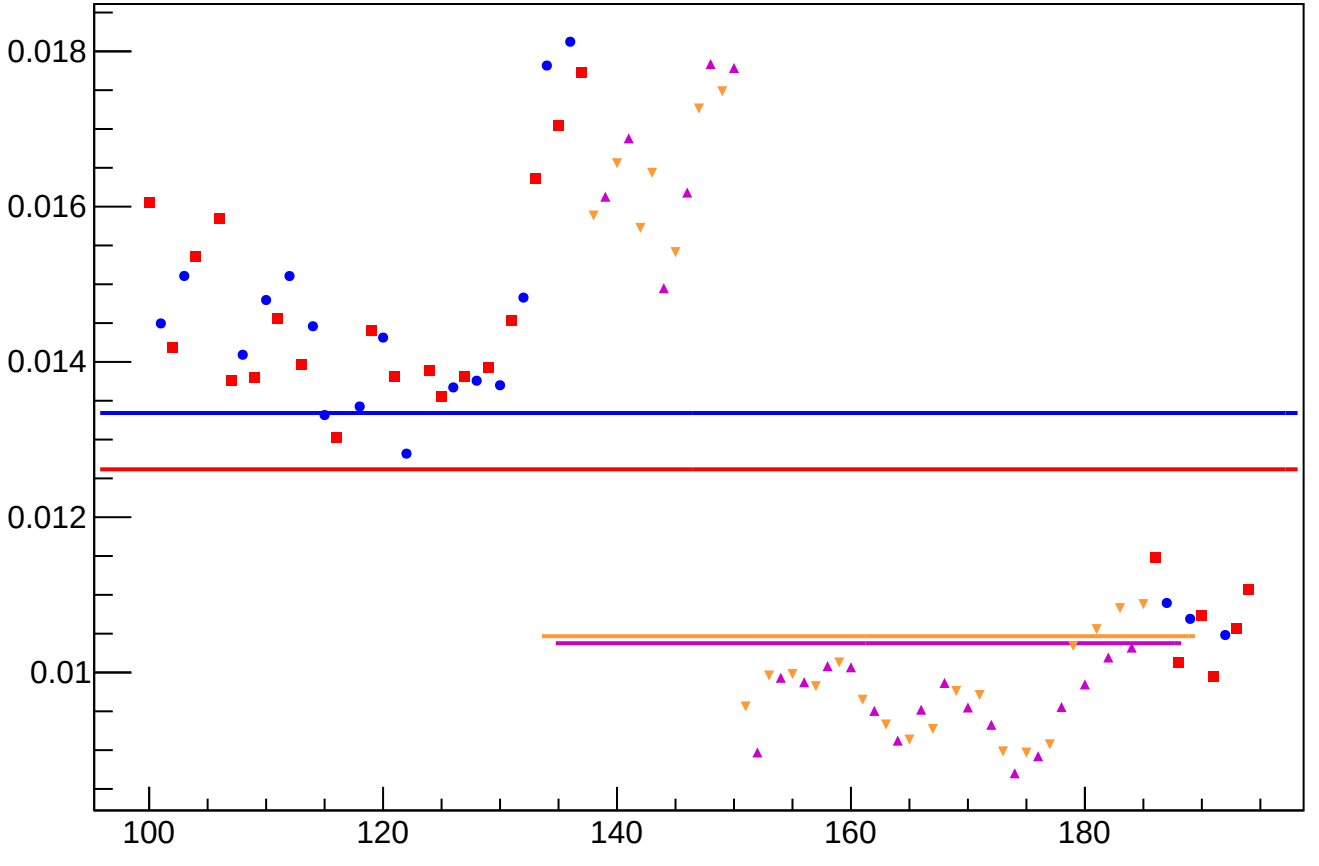
Right: 1.380+/-0.000 χ^2/NDF: 182684300501.5/43

In: 1.513+/-0.000 χ^2/NDF:150085682194.0/41

Out: 1.571+/-0.000 χ^2/NDF:165421442600.1/49

All: 1.544+/-0.000 χ^2/NDF: 315880993303.4

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 458493.7/18

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 587672.1/24

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

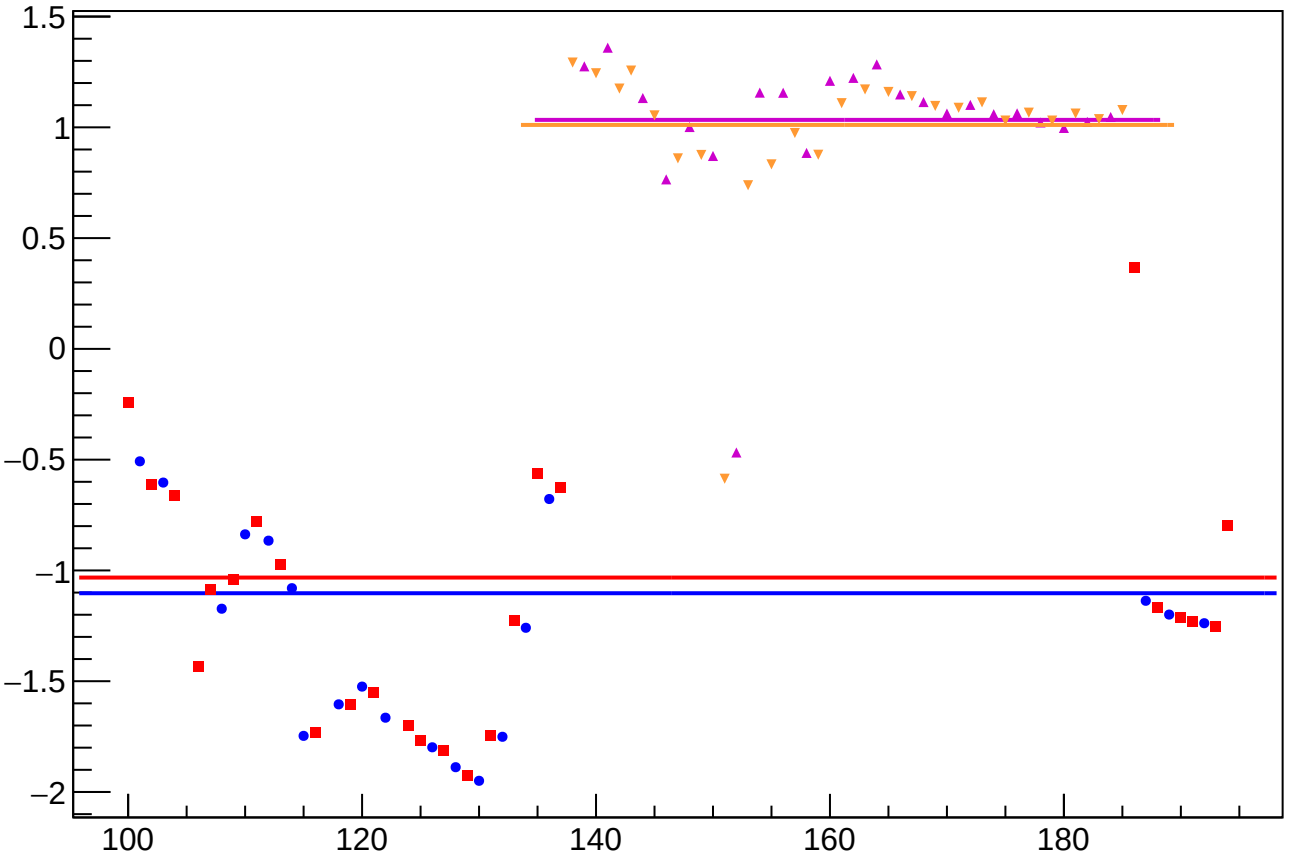
Right: 0.013+/-0.000 χ^2/NDF: 1075655.7/43

In: 0.011+/-0.000 χ^2/NDF:2821989.7/41

Out: 0.011+/-0.000 χ^2/NDF:2689650.5/49

All: 0.011+/-0.000 χ^2/NDF: 5511724.9/91

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.103+/-0.000 χ^2/NDF: 60434807933.9/18

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -1.032+/-0.000 χ^2/NDF: 69374674305.9/24

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

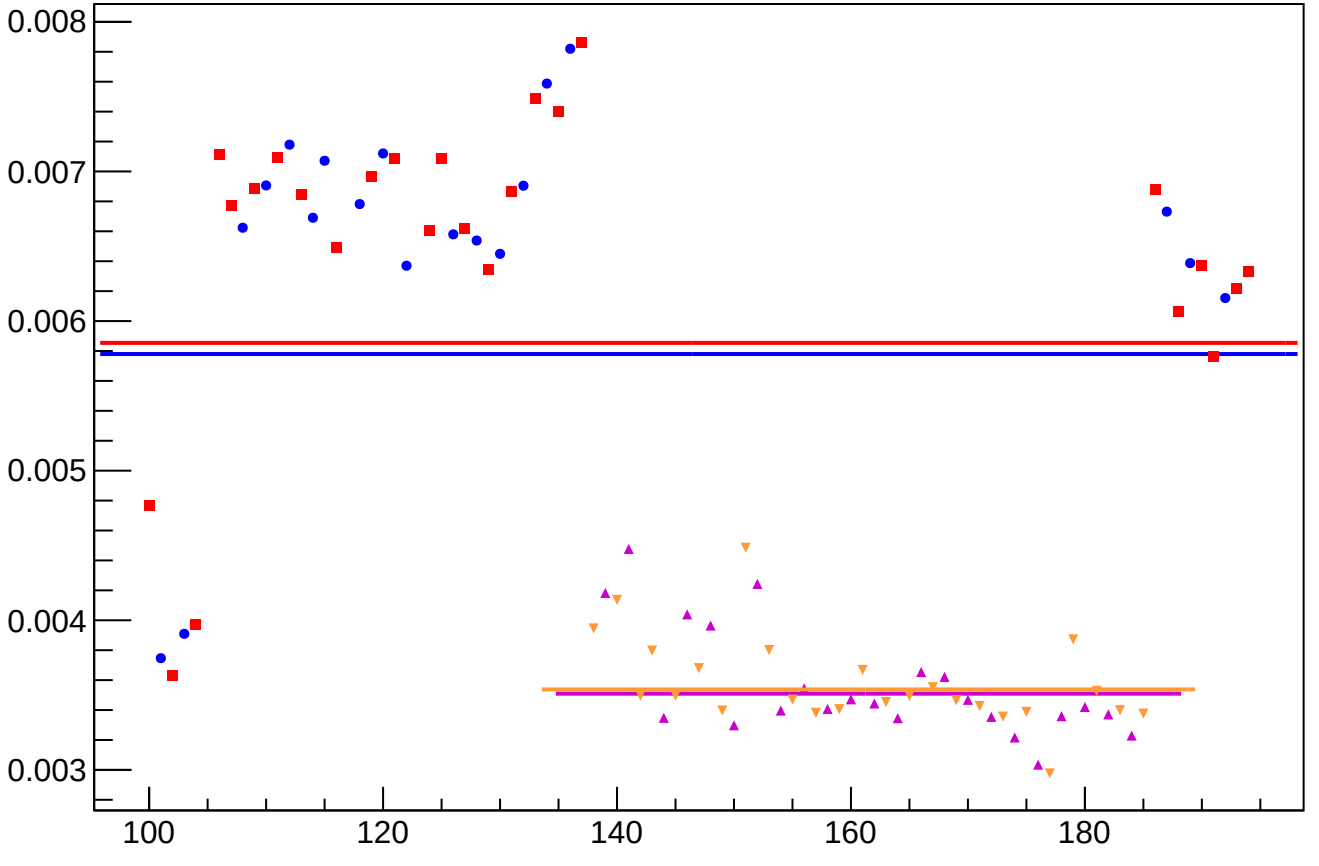
Right: -1.064+/-0.000 χ^2/NDF: 130464808244.4/43

In: 0.712+/-0.000 χ^2/NDF:1110687365879.5/41

Out: 0.661+/-0.000 χ^2/NDF:1185287053174.9/49

All: 0.686+/-0.000 χ^2/NDF: 2298104579165.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 972251.9/18

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1031623.2/24

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

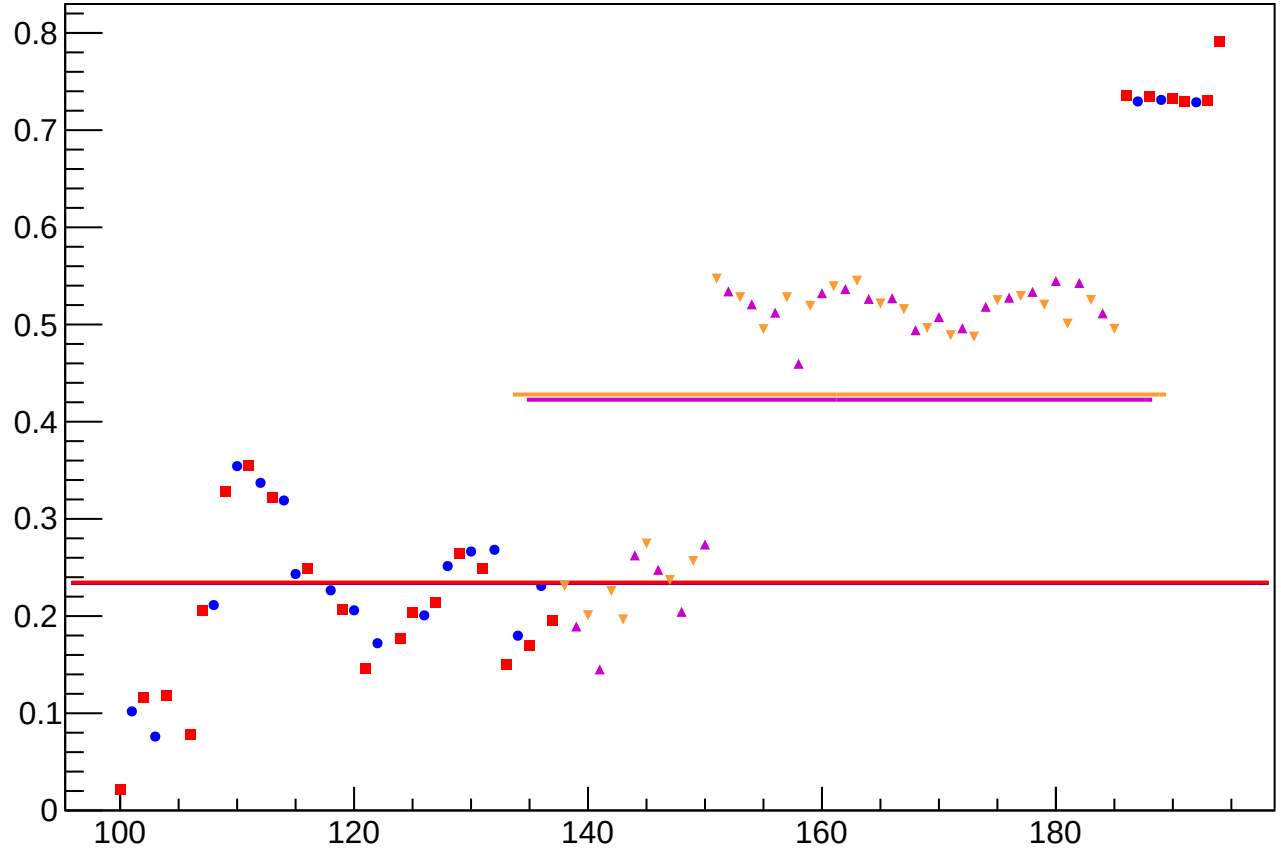
Right: 0.006+/-0.000 χ^2/NDF: 2005334.3/43

In: 0.004+/-0.000 χ^2/NDF:3345447.4/41

Out: 0.004+/-0.000 χ^2/NDF:3830514.5/49

All: 0.004+/-0.000 χ^2/NDF: 7187323.5/91

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.234+/-0.000 χ^2/NDF: 42611629789.2/18

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.234+/-0.000 χ^2/NDF: 84034275051.6/24

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

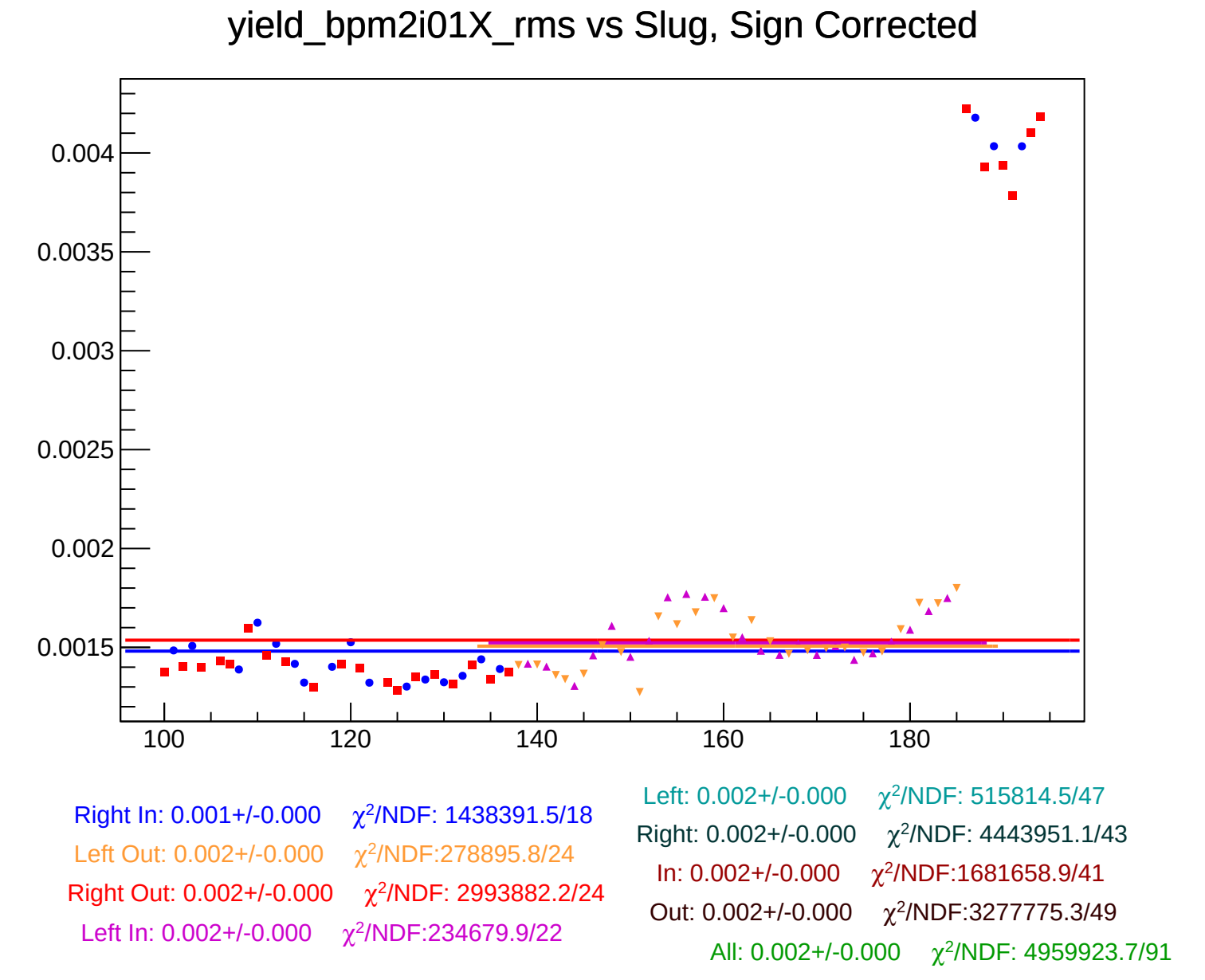
Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

Right: 0.234+/-0.000 χ^2/NDF: 126646351890.9/43

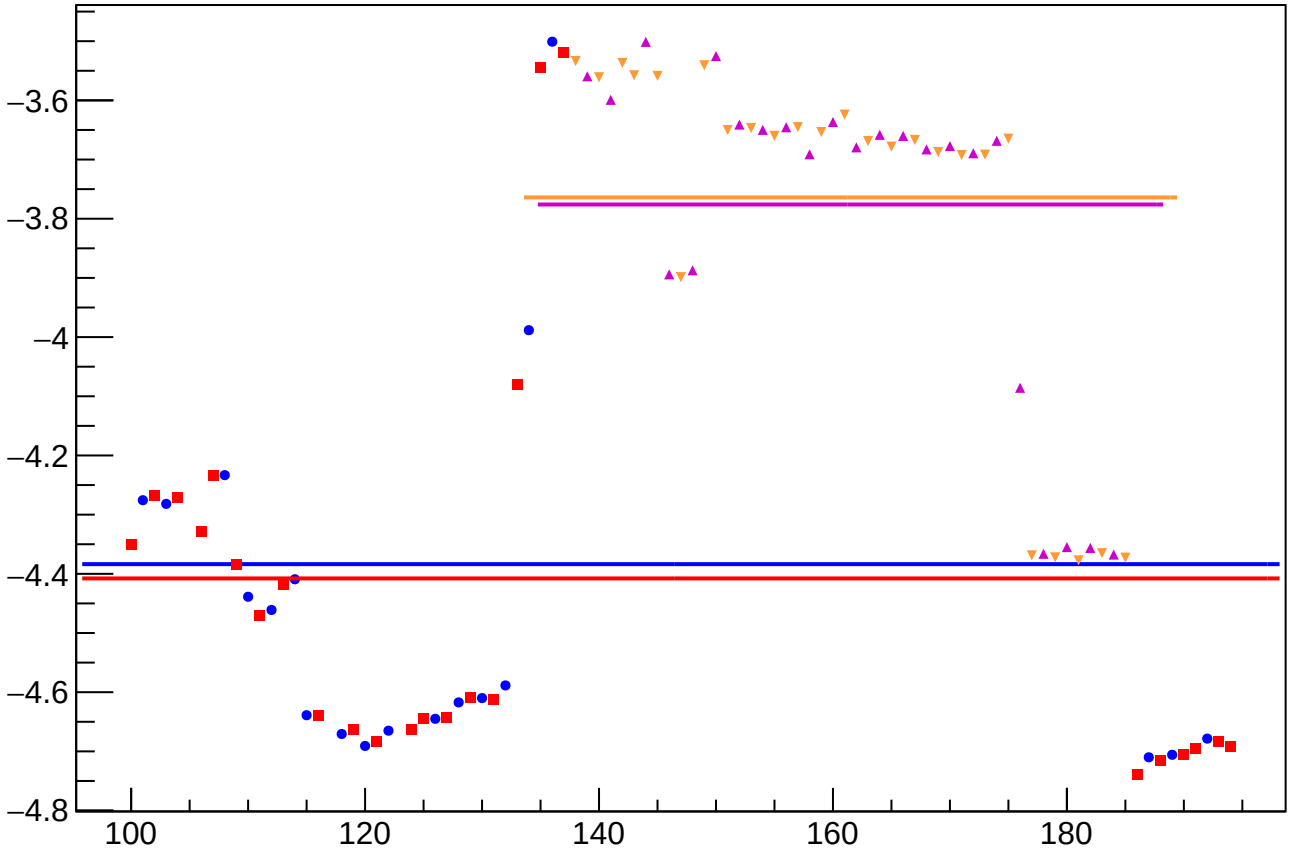
In: 0.363+/-0.000 χ^2/NDF:288401155177.1/41

Out: 0.365+/-0.000 χ^2/NDF:339536246994.5/49

All: 0.364+/-0.000 χ^2/NDF: 627979725779.4


yield_bpm2i01X_rms vs Slug, Sign Corrected
0.004
0.0035
0.003
0.0025
0.002
0.0015
100
120
140
160
180
Right In: 0.001+/-0.000 χ²/NDF: 1438391.5/18
Left Out: 0.002+/-0.000 χ²/NDF:278895.8/24
Right Out: 0.002+/-0.000 χ²/NDF: 2993882.2/24
Left In: 0.002+/-0.000 χ²/NDF:234679.9/22
Left: 0.002+/-0.000 χ²/NDF: 515814.5/47
Right: 0.002+/-0.000 χ²/NDF: 4443951.1/43
In: 0.002+/-0.000 χ²/NDF:1681658.9/41
Out: 0.002+/-0.000 χ²/NDF:3277775.3/49
All: 0.002+/-0.000 χ²/NDF: 4959923.7/91

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.384+/-0.000 χ^2/NDF: 367573770343.0/18

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.408+/-0.000 χ^2/NDF: 330845757255.8/24

Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

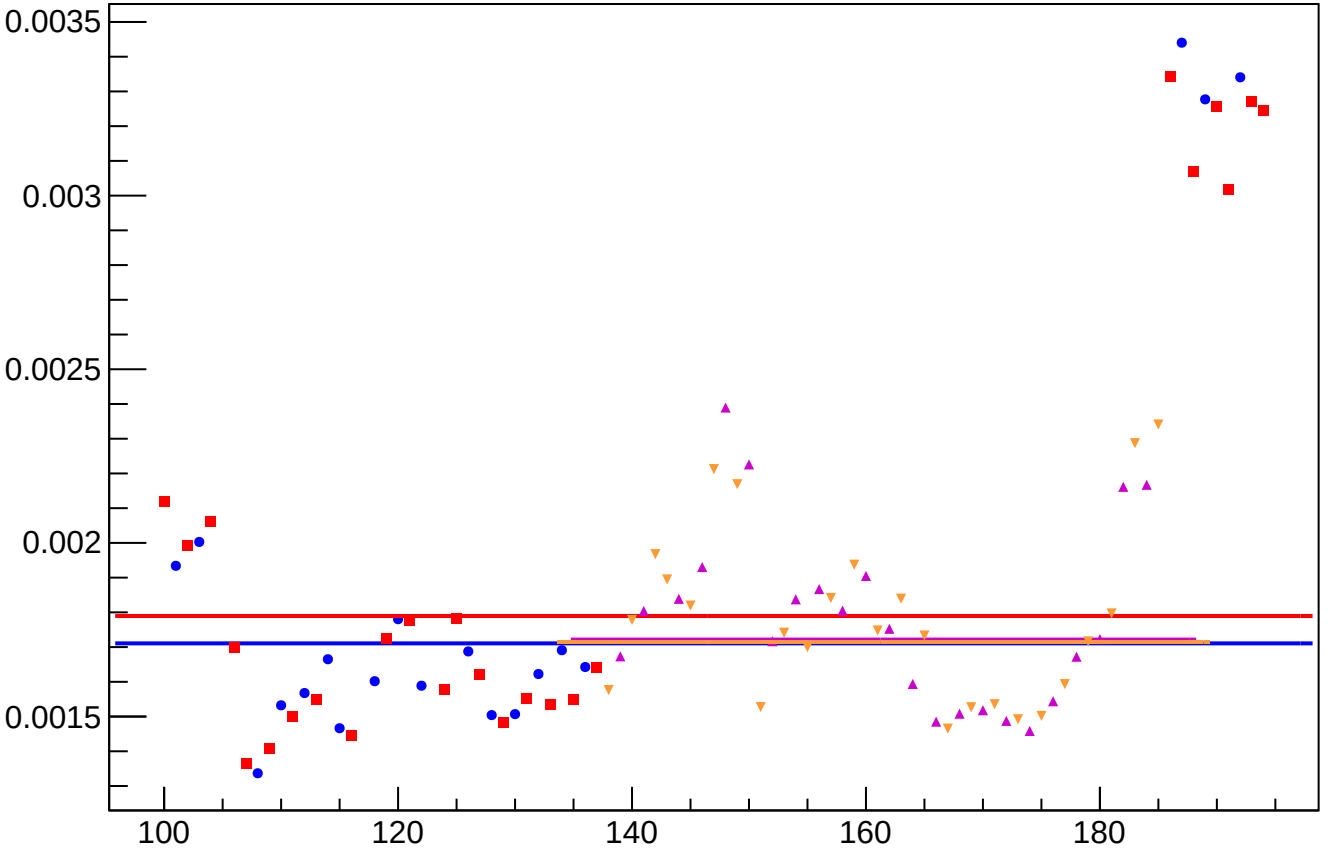
Right: -4.396+/-0.000 χ^2/NDF: 699270579057.5/43

In: -3.969+/-0.000 χ^2/NDF:1466485635348.4/41

Out: -3.976+/-0.000 χ^2/NDF:1675666134224.6/49

All: -3.973+/-0.000 χ^2/NDF: 3142366891909

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 951182.4/18

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 1758611.1/24

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

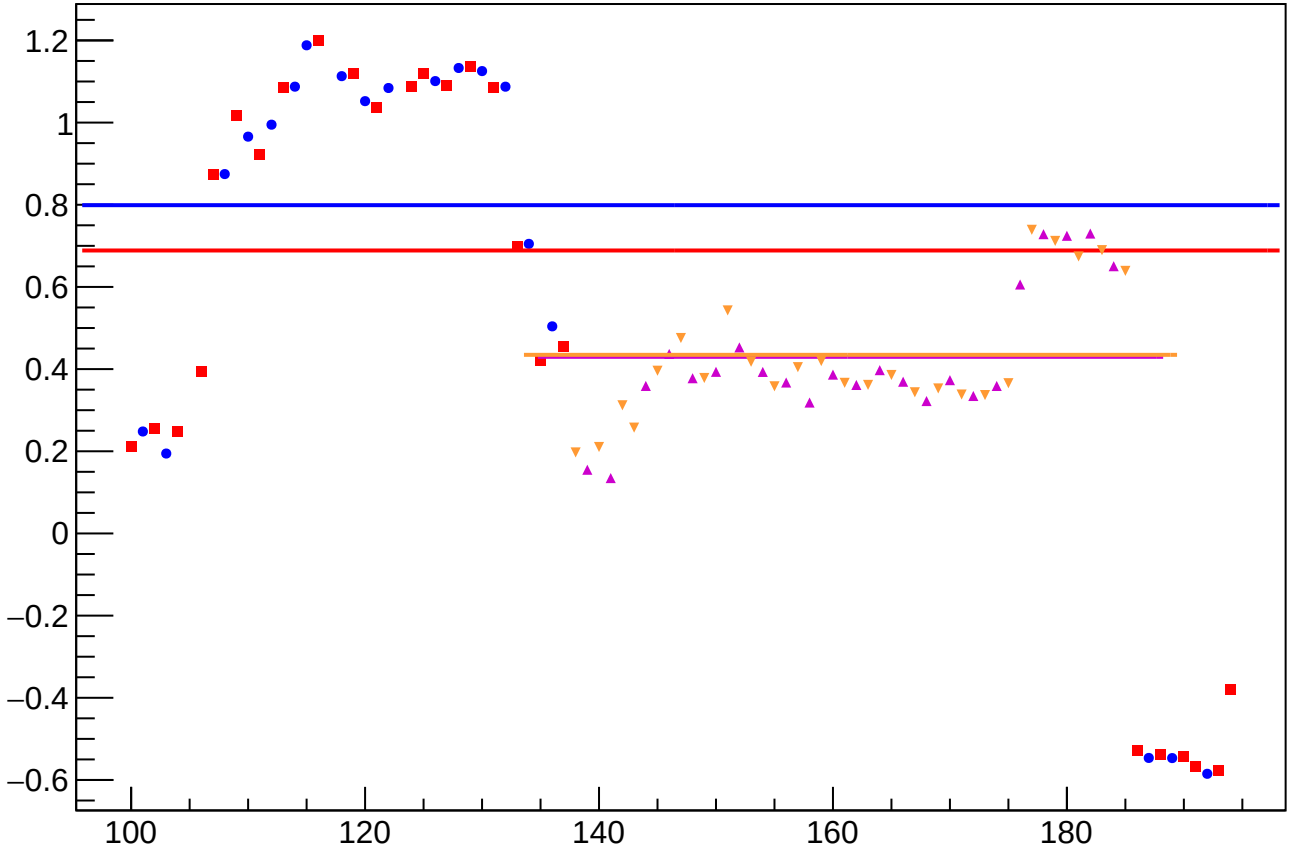
Right: 0.002+/-0.000 χ^2/NDF: 2727940.1/43

In: 0.002+/-0.000 χ^2/NDF:1533508.7/41

Out: 0.002+/-0.000 χ^2/NDF:2344296.4/49

All: 0.002+/-0.000 χ^2/NDF: 3881833.8/91

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.799+/-0.000 χ^2/NDF: 46238735732.0/18

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.689+/-0.000 χ^2/NDF: 73869003148.9/24

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

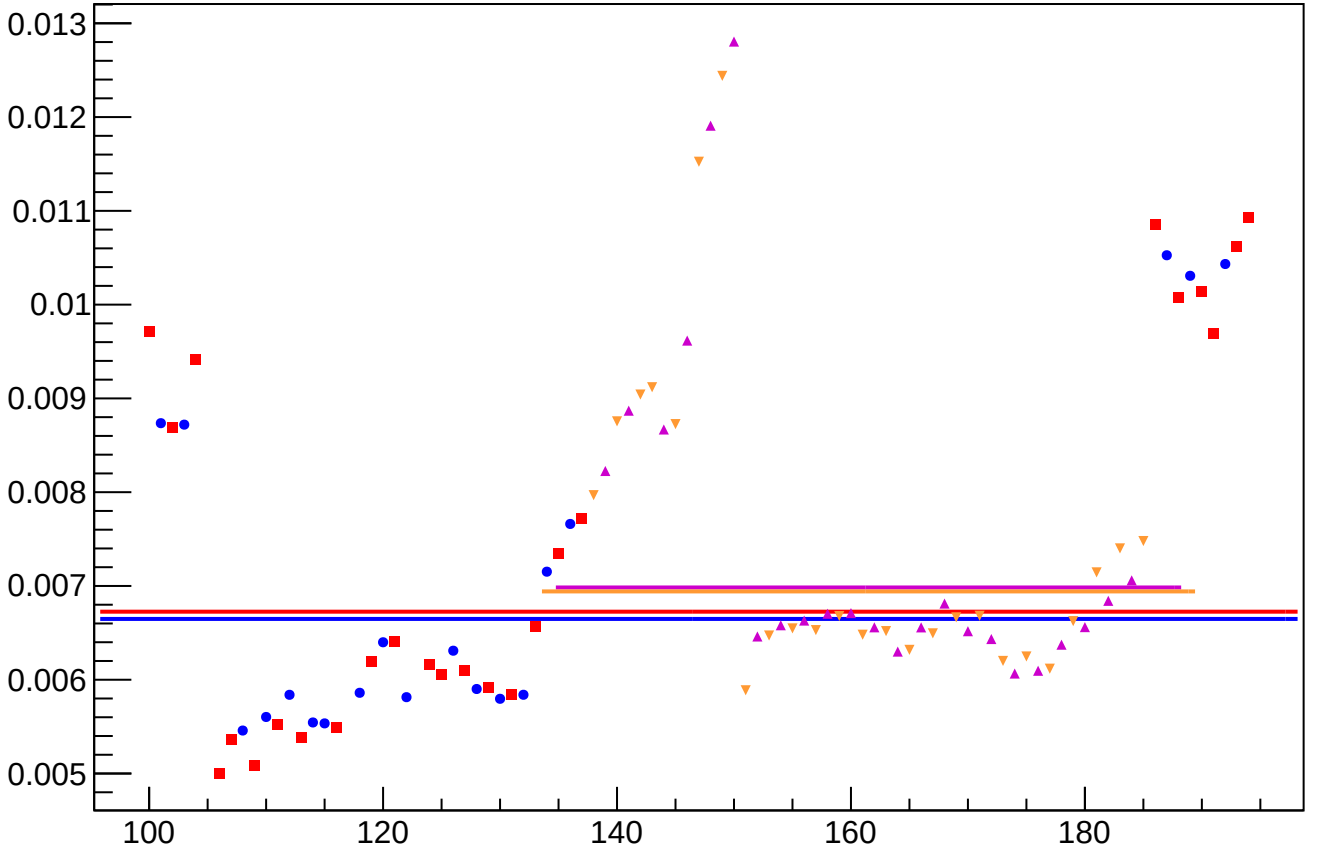
Right: 0.739+/-0.000 χ^2/NDF: 121374501635.2/43

In: 0.557+/-0.000 χ^2/NDF:72335438368.1/41

Out: 0.529+/-0.000 χ^2/NDF:91663821564.8/49

All: 0.542+/-0.000 χ^2/NDF: 164236722628.1

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 813287.8/18

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 1522036.5/24

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

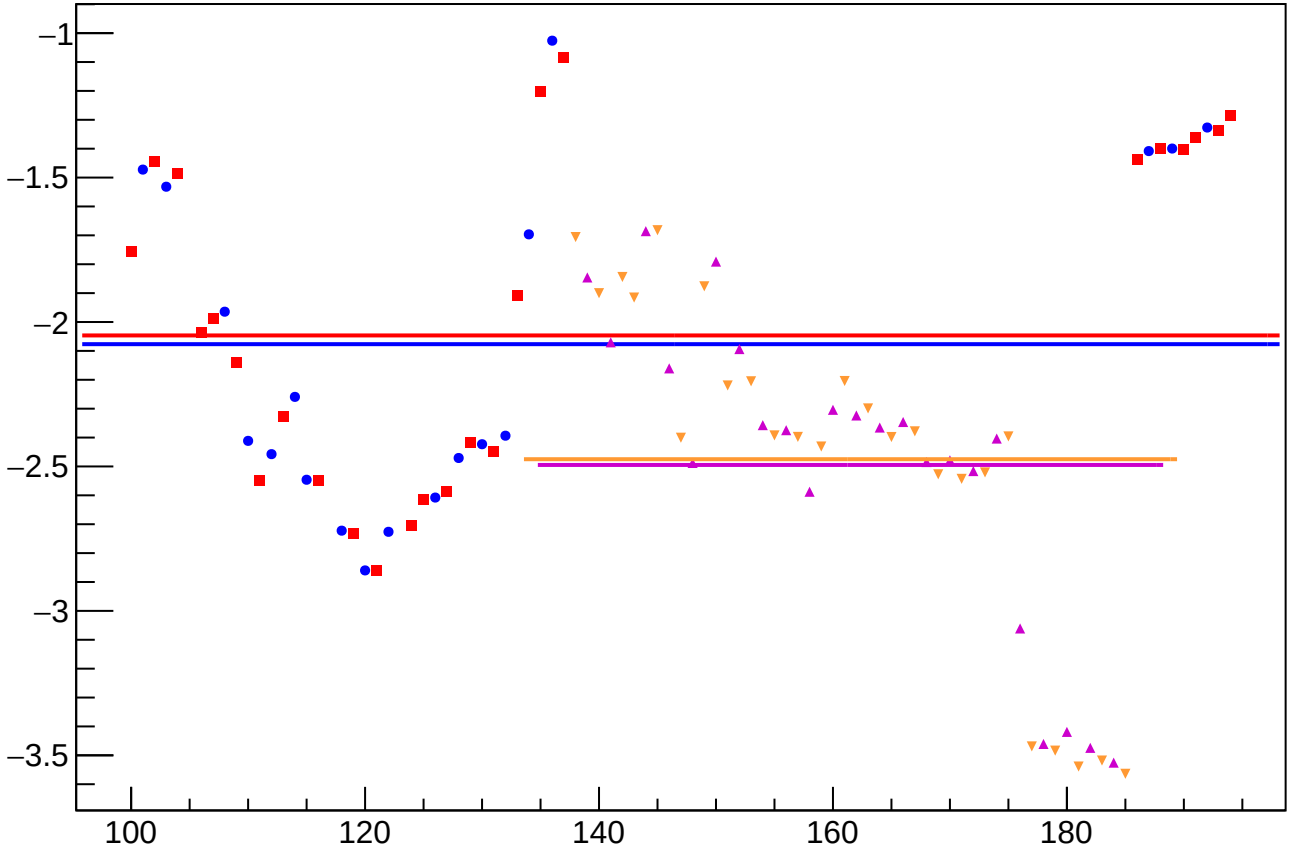
Right: 0.007+/-0.000 χ^2/NDF: 2336572.8/43

In: 0.007+/-0.000 χ^2/NDF:1977996.1/41

Out: 0.007+/-0.000 χ^2/NDF:2626376.6/49

All: 0.007+/-0.000 χ^2/NDF: 4604395.2/91

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.077+/-0.000 χ^2/NDF: 75696684442.4/18

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -2.046+/-0.000 χ^2/NDF: 79585887355.6/24

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

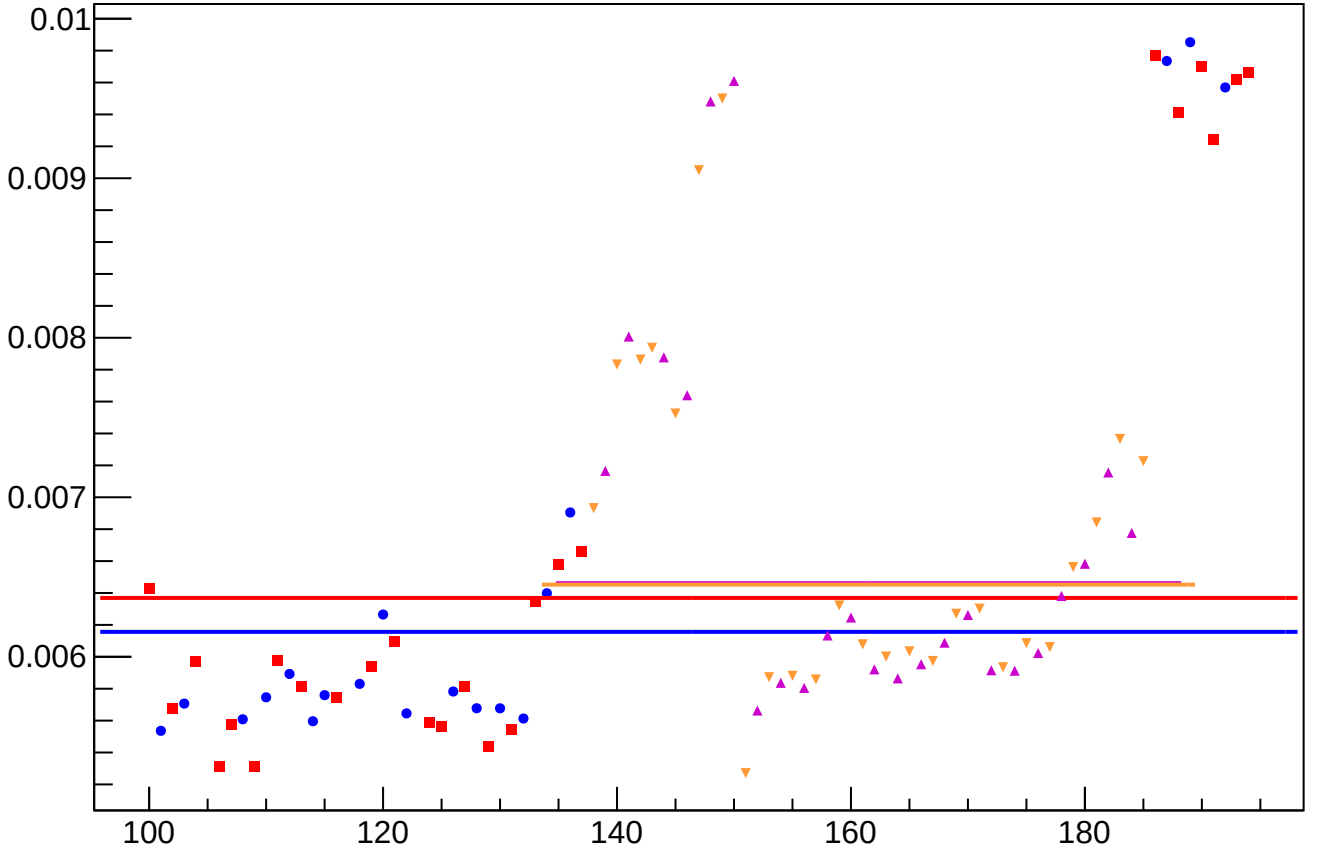
Right: -2.061+/-0.000 χ^2/NDF: 155393751345.6/43

In: -2.350+/-0.000 χ^2/NDF:198460245316.7/41

Out: -2.318+/-0.000 χ^2/NDF:233018821440.3/49

All: -2.334+/-0.000 χ^2/NDF: 431819098178.6

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 540856.2/18

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1014537.9/24

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

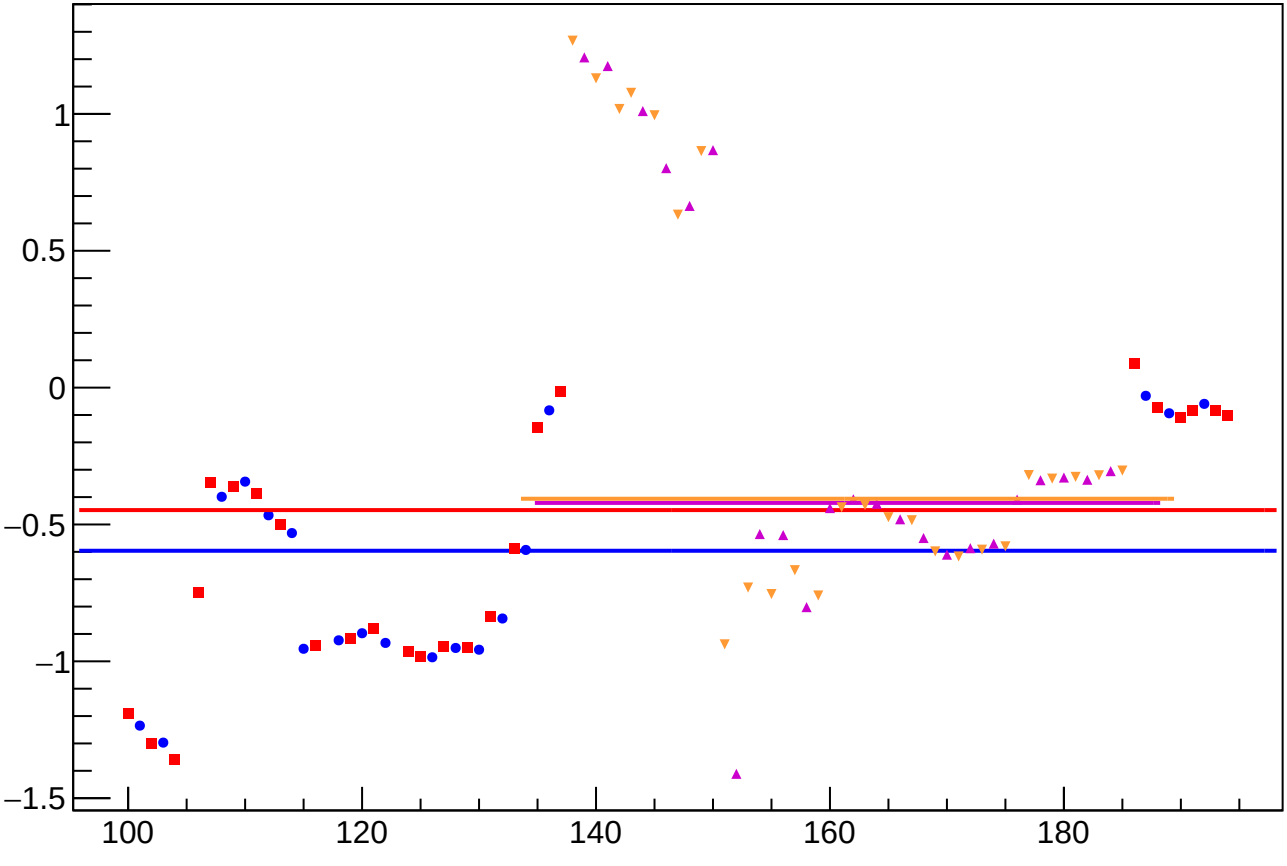
Right: 0.006+/-0.000 χ^2/NDF: 1566396.6/43

In: 0.006+/-0.000 χ^2/NDF:1289175.3/41

Out: 0.006+/-0.000 χ^2/NDF:1730086.5/49

All: 0.006+/-0.000 χ^2/NDF: 3022263.9/91

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.596+/-0.000 χ^2/NDF: 17810756225.3/18

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.447+/-0.000 χ^2/NDF: 24941485832.4/24

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

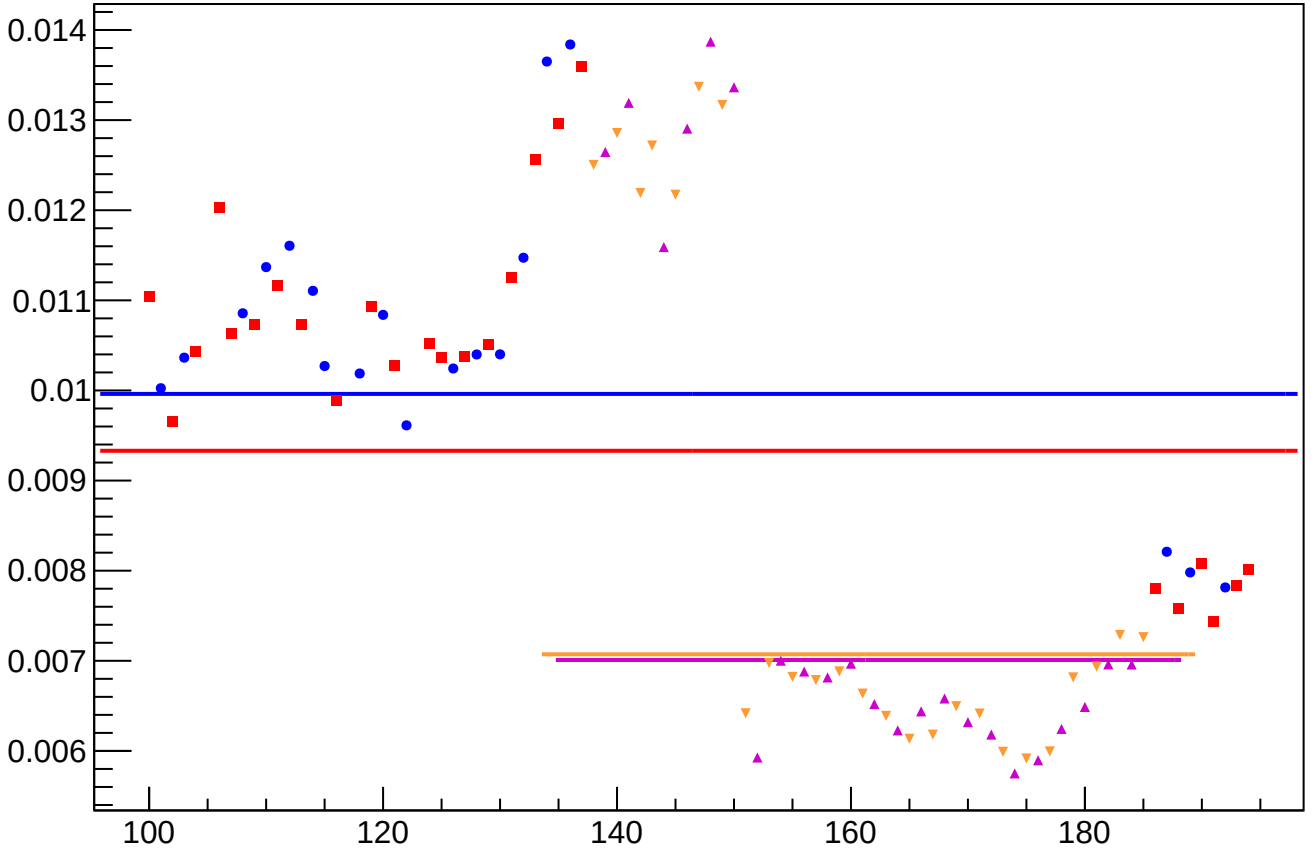
Right: -0.509+/-0.000 χ^2/NDF: 43862305265.5/43

In: -0.456+/-0.000 χ^2/NDF:110151518849.1/41

Out: -0.417+/-0.000 χ^2/NDF:106730648346.9/49

All: -0.435+/-0.000 χ^2/NDF: 217239445253.0

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 480894.7/18

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

Right Out: 0.009+/-0.000 χ^2/NDF: 649699.2/24

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

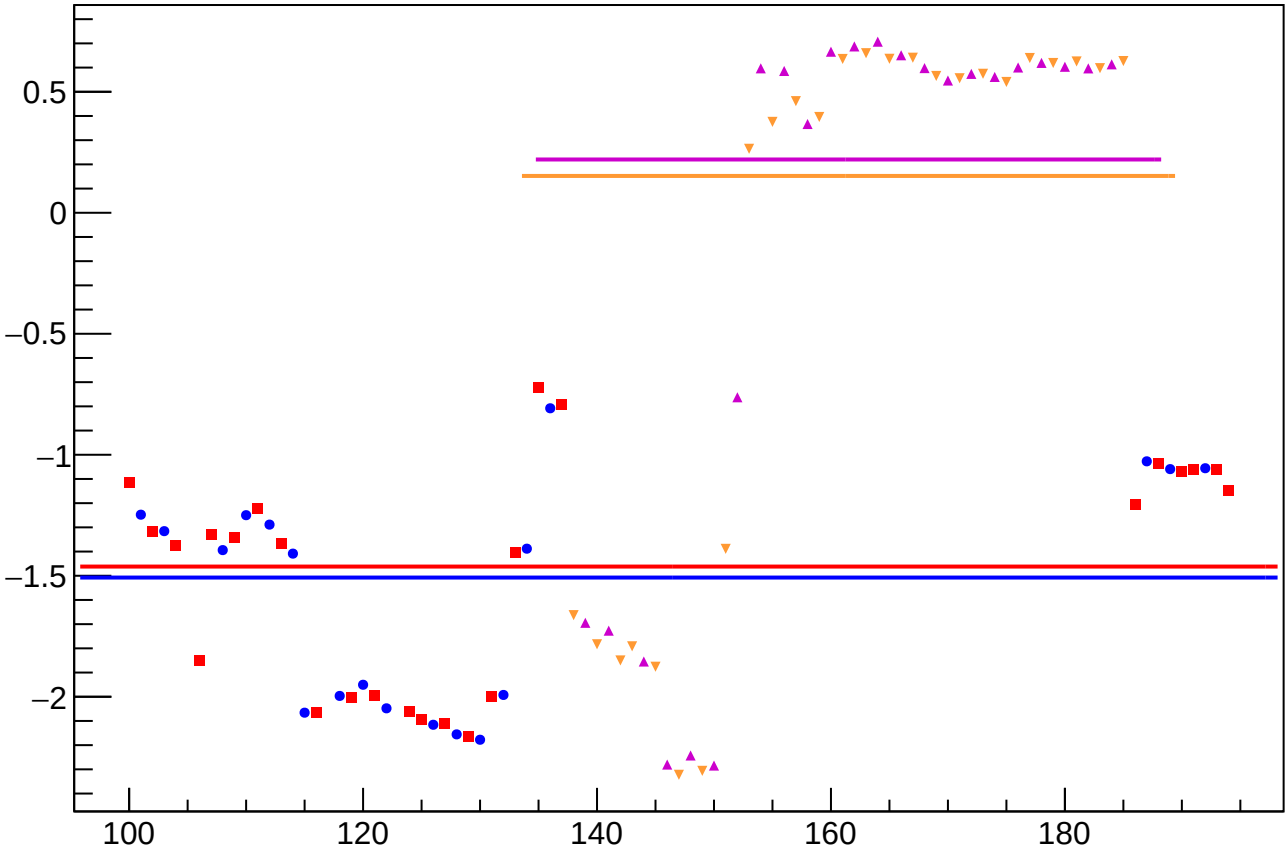
Right: 0.010+/-0.000 χ^2/NDF: 1170645.6/43

In: 0.008+/-0.000 χ^2/NDF:4134258.3/41

Out: 0.008+/-0.000 χ^2/NDF:3955789.8/49

All: 0.008+/-0.000 χ^2/NDF: 8090908.5/91

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.507+/-0.000 χ^2/NDF: 177620736377.1/18

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.462+/-0.000 χ^2/NDF: 170153669288.4/24

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

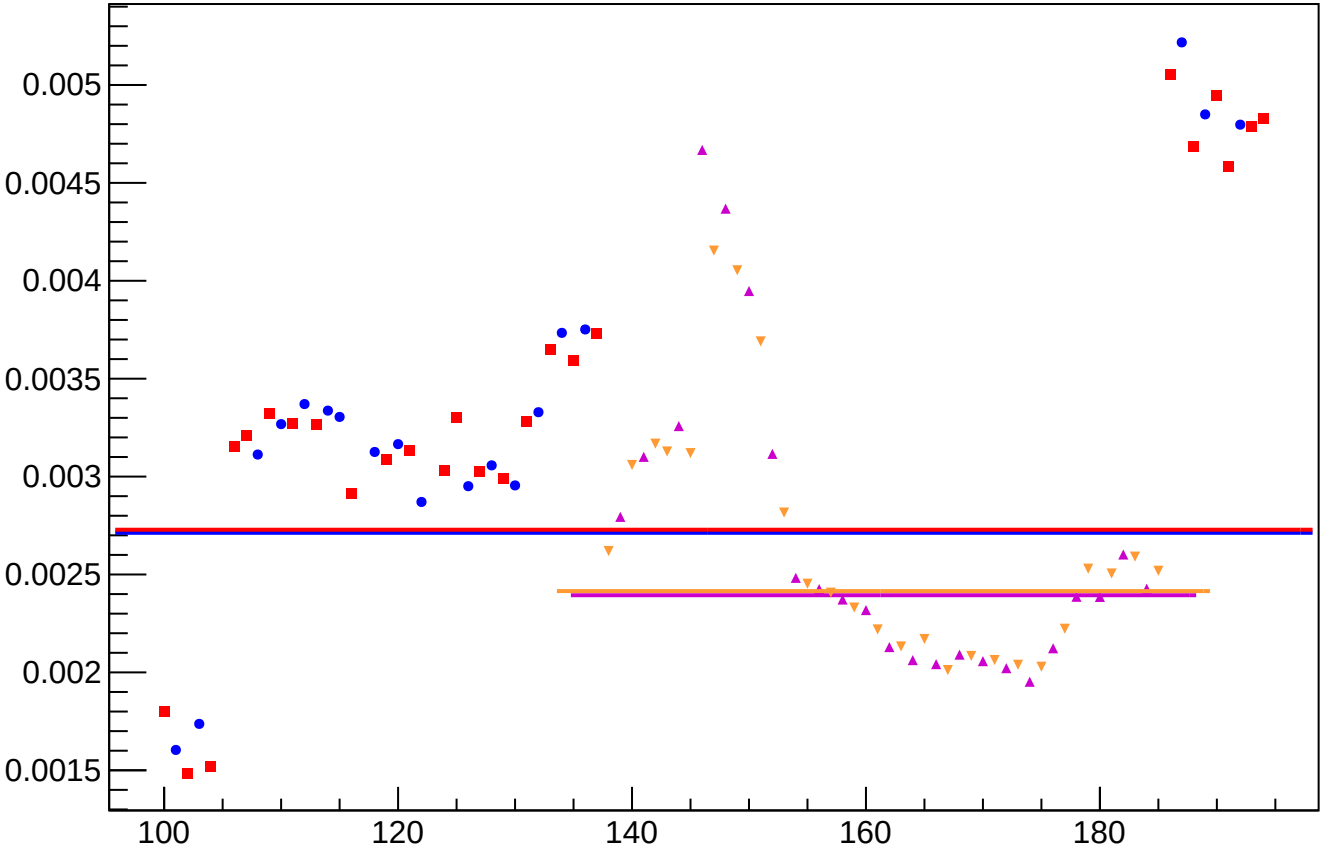
Right: -1.483+/-0.000 χ^2/NDF: 348885719840.8/43

In: -0.235+/-0.000 χ^2/NDF:4492366744358.8/41

Out: -0.309+/-0.000 χ^2/NDF:4749794800449.3/49

All: -0.274+/-0.000 χ^2/NDF: 9253056769742

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1852727.0/18

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3076817.8/24

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

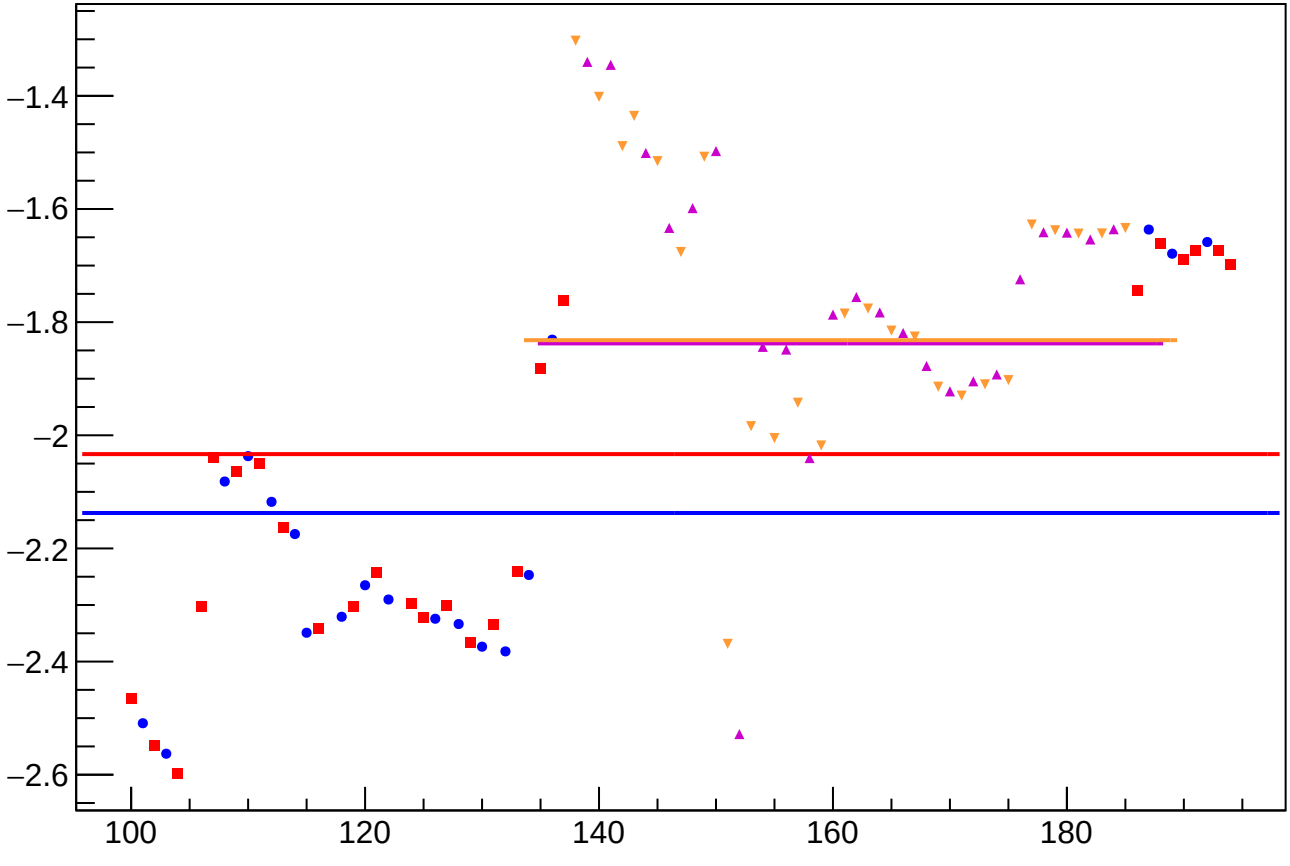
Right: 0.003+/-0.000 χ^2/NDF: 4929809.6/43

In: 0.002+/-0.000 χ^2/NDF:3411753.4/41

Out: 0.003+/-0.000 χ^2/NDF:4461720.7/49

All: 0.002+/-0.000 χ^2/NDF: 7876283.3/91

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.137+/-0.000 χ^2/NDF: 22650445909.8/18

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -2.033+/-0.000 χ^2/NDF: 33097640146.6/24

Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

Left: -1.835+/-0.000 χ^2/NDF: 91818701563.9/47

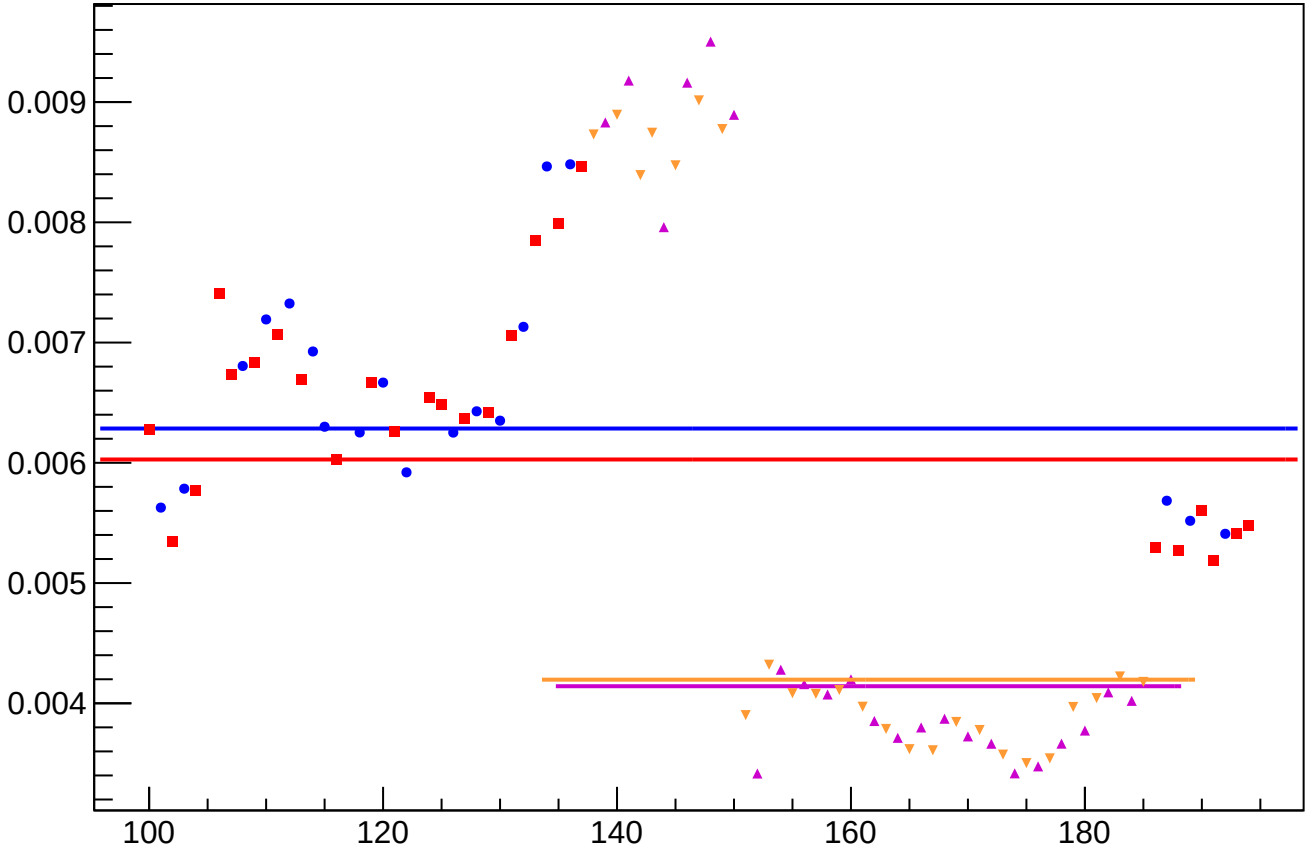
Right: -2.077+/-0.000 χ^2/NDF: 57090071844.6/43

In: -1.893+/-0.000 χ^2/NDF:91834119087.9/41

Out: -1.878+/-0.000 χ^2/NDF:80567436655.9/49

All: -1.885+/-0.000 χ^2/NDF: 172541889672.5

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 319693.0/18

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 372919.7/24

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

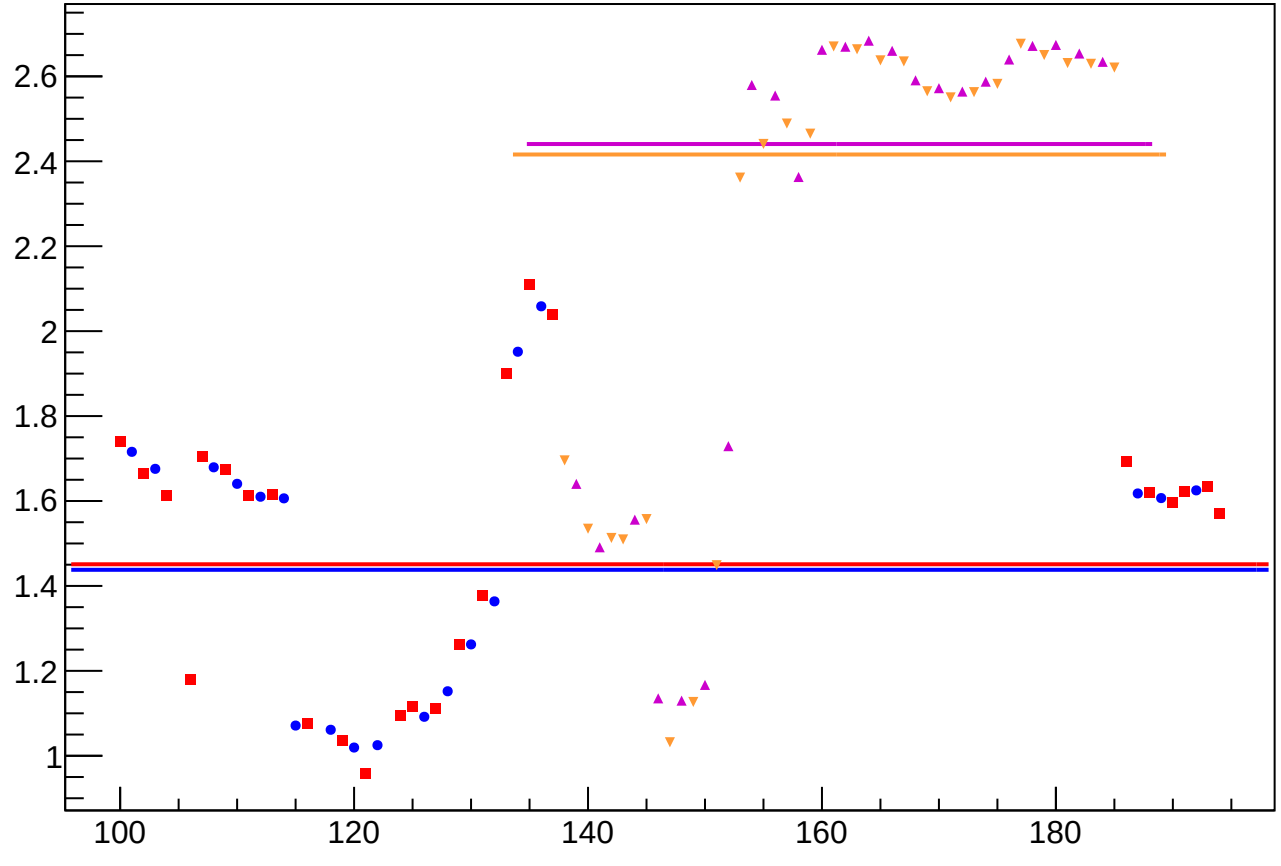
Right: 0.006+/-0.000 χ^2/NDF: 709046.2/43

In: 0.005+/-0.000 χ^2/NDF:5123575.1/41

Out: 0.005+/-0.000 χ^2/NDF:4969449.8/49

All: 0.005+/-0.000 χ^2/NDF: 10100129.3/91

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.438+/-0.000 χ^2/NDF: 191207052618.1/18

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.451+/-0.000 χ^2/NDF: 186300742085.9/24

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

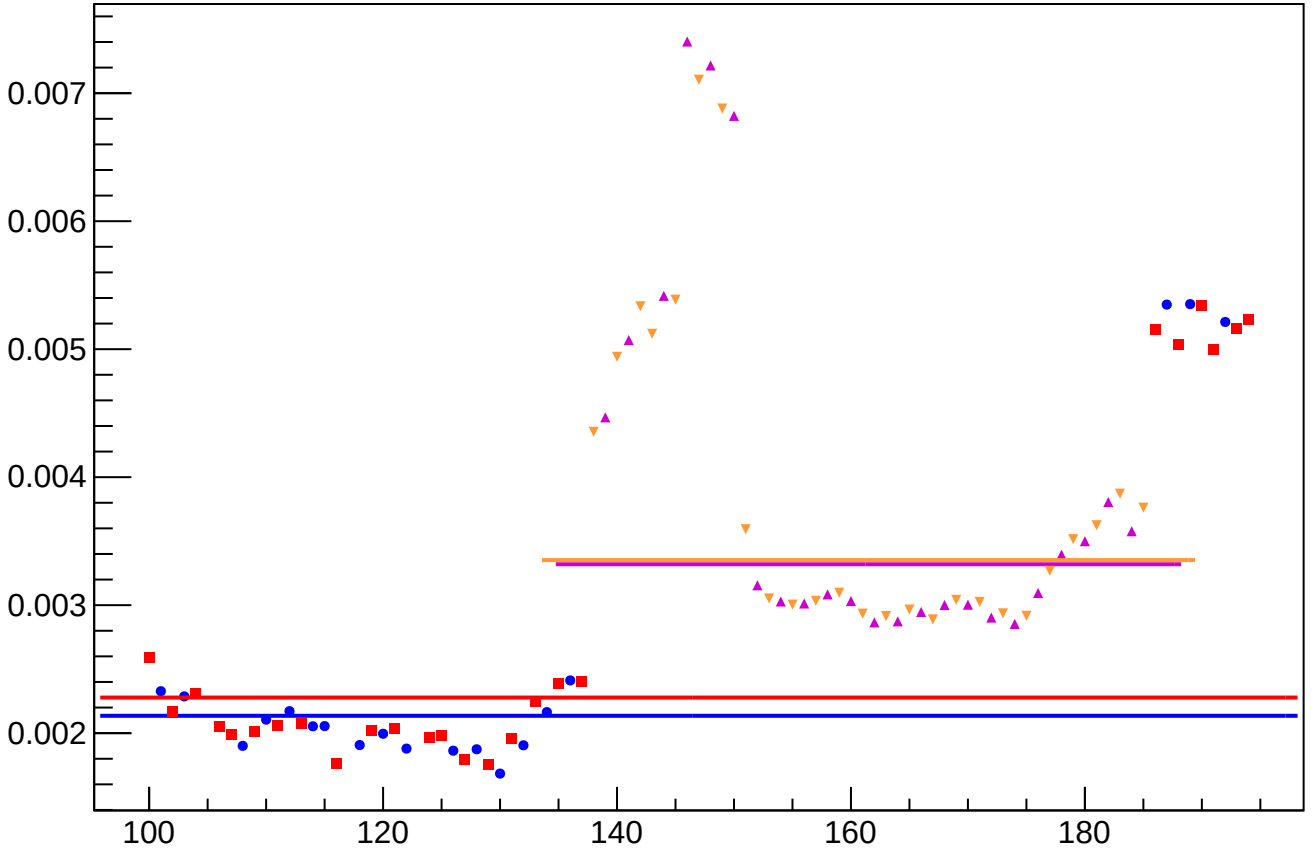
Right: 1.445+/-0.000 χ^2/NDF: 377653630481.4/43

In: 1.907+/-0.000 χ^2/NDF:1215726175843.1/41

Out: 1.902+/-0.000 χ^2/NDF:1199084502551.2/49

All: 1.905+/-0.000 χ^2/NDF: 2414850686047.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1371438.0/18

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 2557677.8/24

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

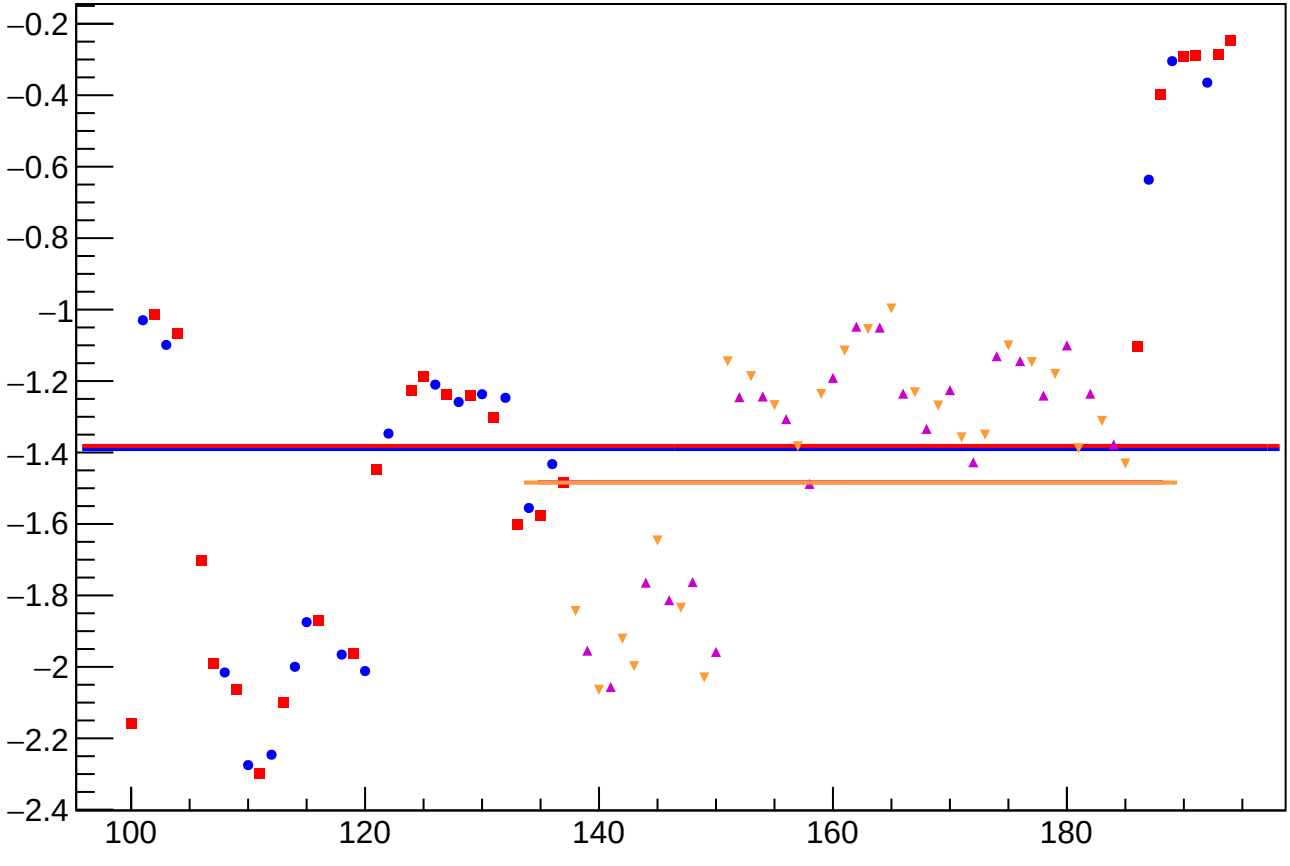
Right: 0.002+/-0.000 χ^2/NDF: 3964132.6/43

In: 0.003+/-0.000 χ^2/NDF:5637711.7/41

Out: 0.003+/-0.000 χ^2/NDF:6285459.3/49

All: 0.003+/-0.000 χ^2/NDF: 11949858.2/91

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.390+/-0.000 χ^2/NDF: 40427153983.3/18

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -1.382+/-0.000 χ^2/NDF: 73978626516.6/24

Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

Left: -1.484+/-0.000 χ^2/NDF: 88792333216.2/47

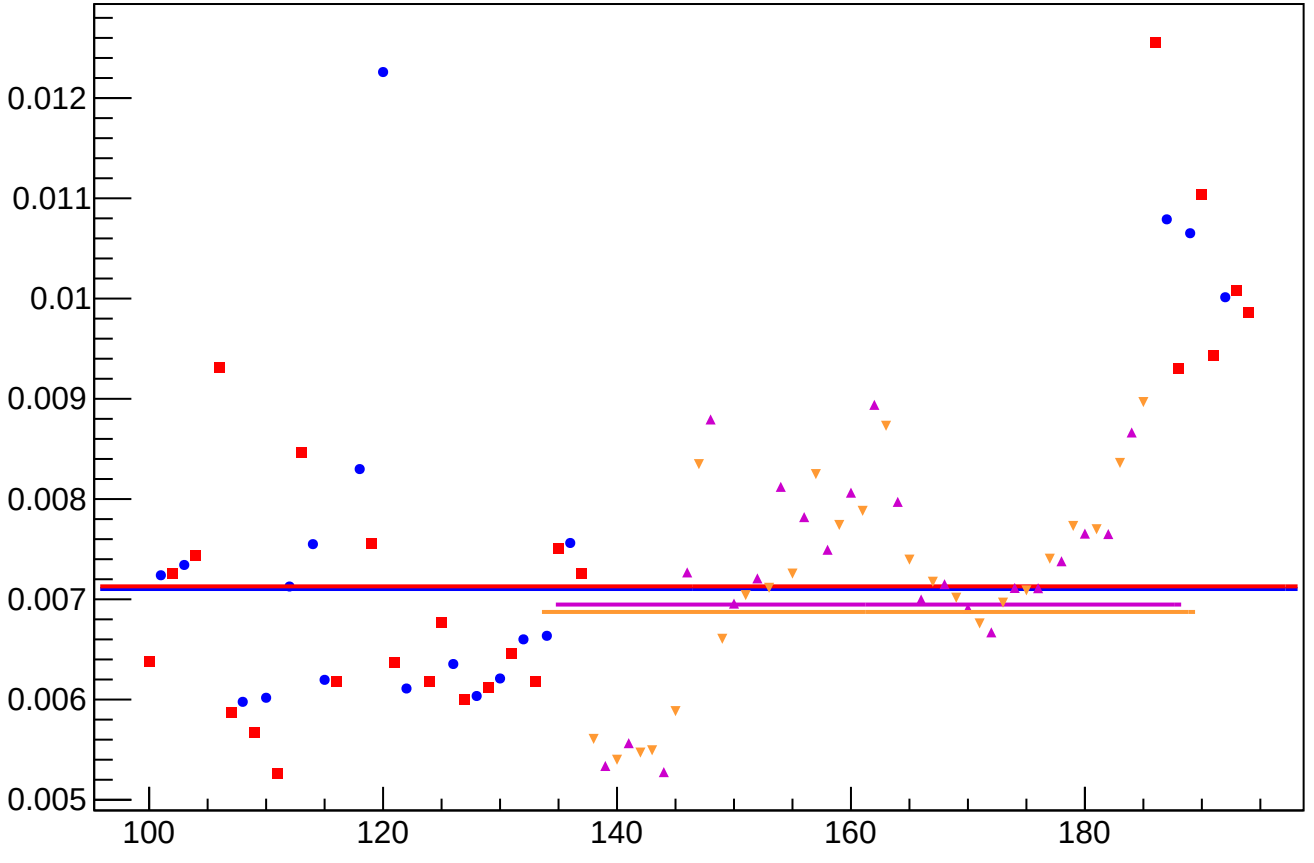
Right: -1.385+/-0.000 χ^2/NDF: 114412481021.5/43

In: -1.455+/-0.000 χ^2/NDF:81719134376.1/41

Out: -1.449+/-0.000 χ^2/NDF:123787825456.3/49

All: -1.452+/-0.000 χ^2/NDF: 205514785508.3

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 577550.6/18

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

Right Out: 0.007+/-0.000 χ^2/NDF: 972741.6/24

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

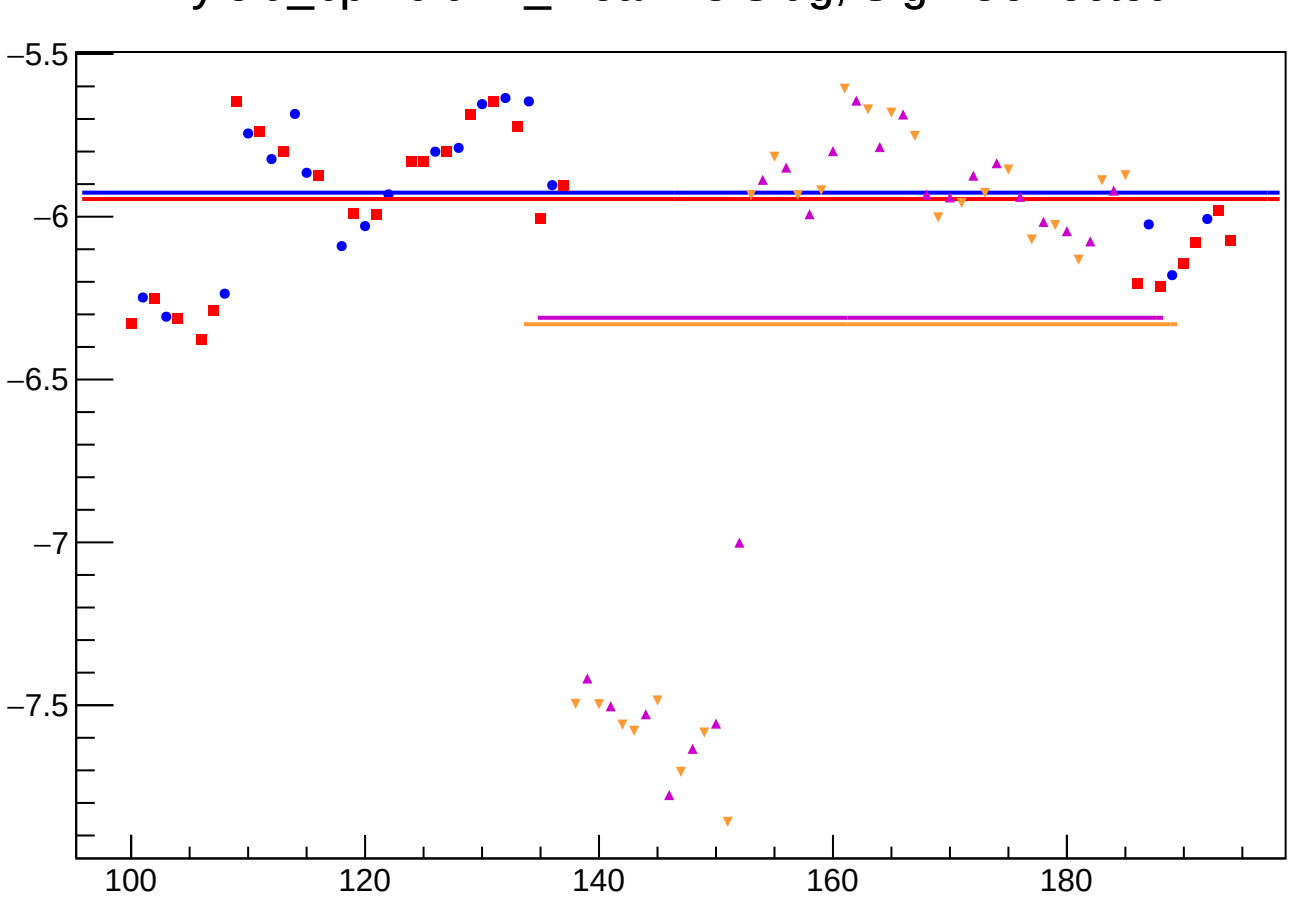
Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

Right: 0.007+/-0.000 χ^2/NDF: 1550414.6/43

In: 0.007+/-0.000 χ^2/NDF:1329506.1/41

Out: 0.007+/-0.000 χ^2/NDF:1735238.5/49

All: 0.007+/-0.000 χ^2/NDF: 3065397.7/91



Right In: -5.926+/-0.000 χ^2/NDF: 11994422246.6/18

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.946+/-0.000 χ^2/NDF: 13505687884.4/24

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

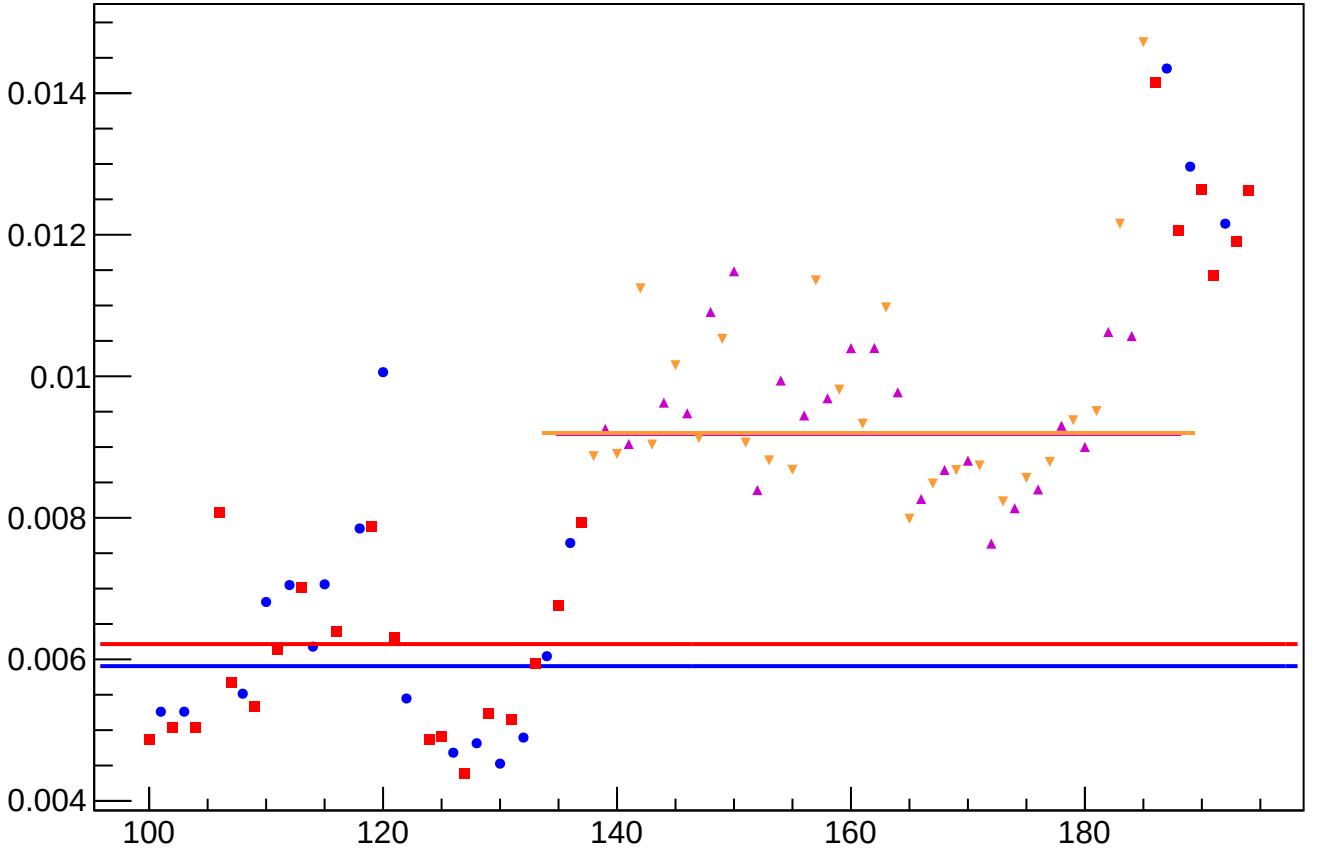
Right: -5.937+/-0.000 χ^2/NDF: 25542651907.1/43

In: -6.106+/-0.000 χ^2/NDF:118047319796.5/41

Out: -6.119+/-0.000 χ^2/NDF:139343106491.7/49

All: -6.112+/-0.000 χ^2/NDF: 257424607828.

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1447441.8/18

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.006+/-0.000 χ^2/NDF: 2277471.7/24

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

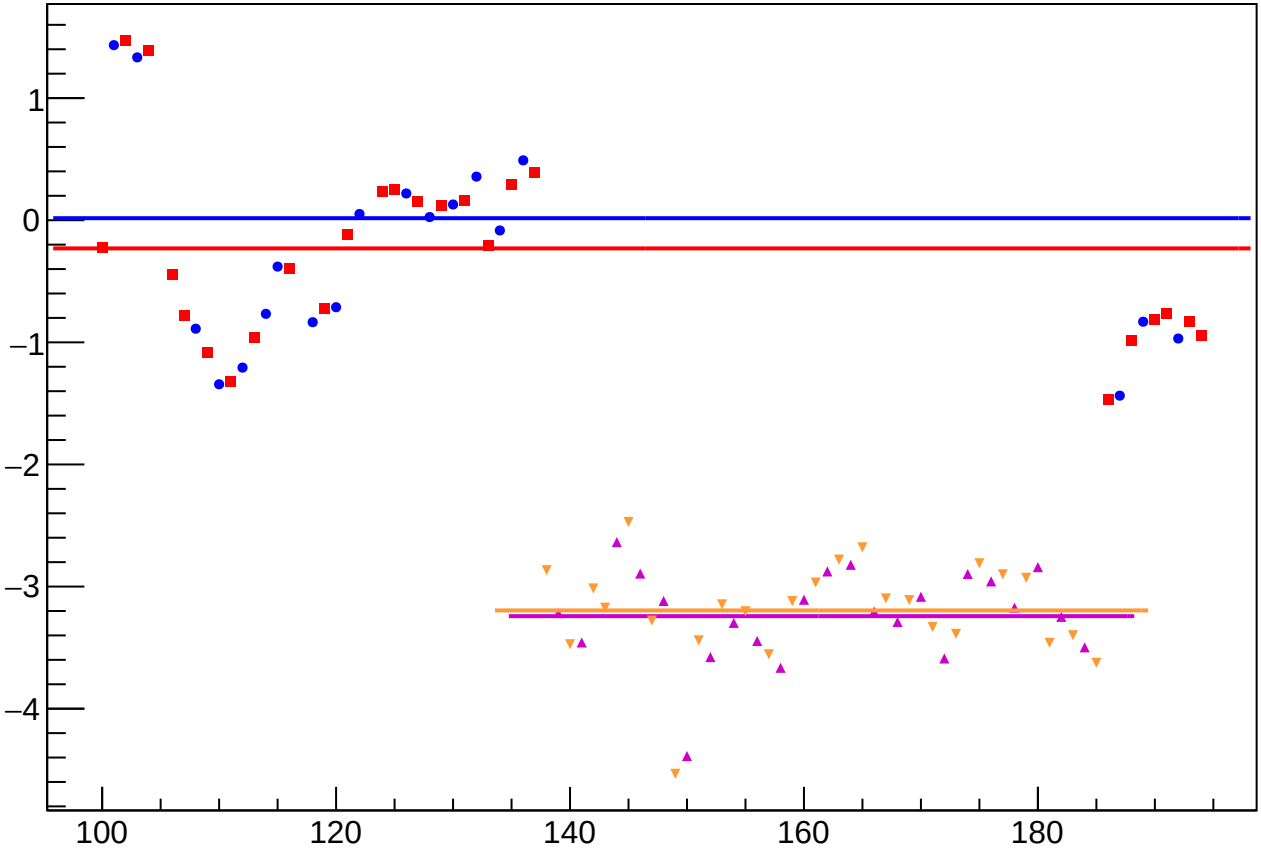
Right: 0.006+/-0.000 χ^2/NDF: 3746268.3/43

In: 0.007+/-0.000 χ^2/NDF:3860268.1/41

Out: 0.008+/-0.000 χ^2/NDF:4512673.6/49

All: 0.007+/-0.000 χ^2/NDF: 8378809.5/91

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.000 χ^2/NDF: 23320540500.8/18

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.231+/-0.000 χ^2/NDF: 30349794531.4/24

Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

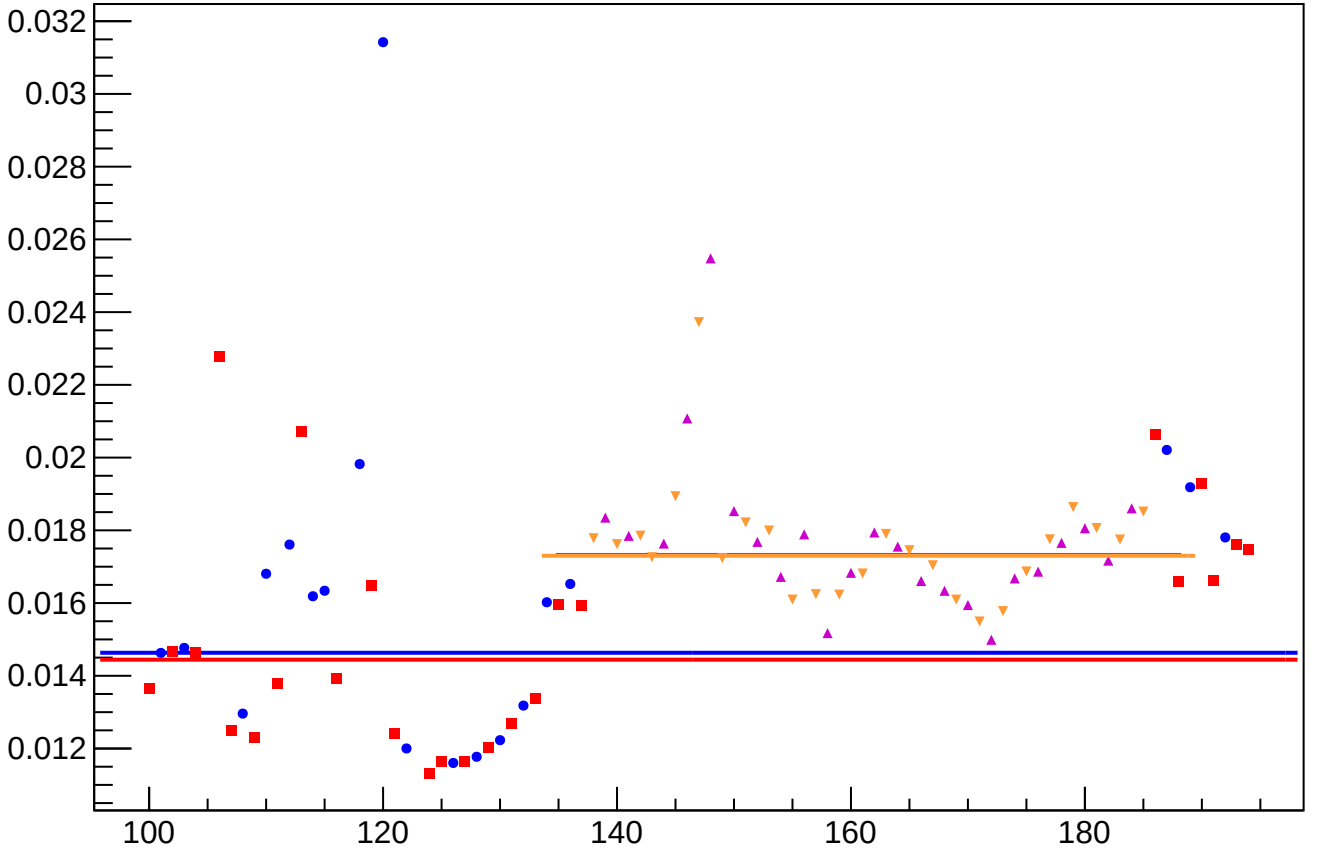
Right: -0.124+/-0.000 χ^2/NDF: 54945239207.0/43

In: -1.988+/-0.000 χ^2/NDF:270045678186.2/41

Out: -1.895+/-0.000 χ^2/NDF:279196498131.3/49

All: -1.938+/-0.000 χ^2/NDF: 549684439570.3

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 626065.0/18

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 628351.7/24

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

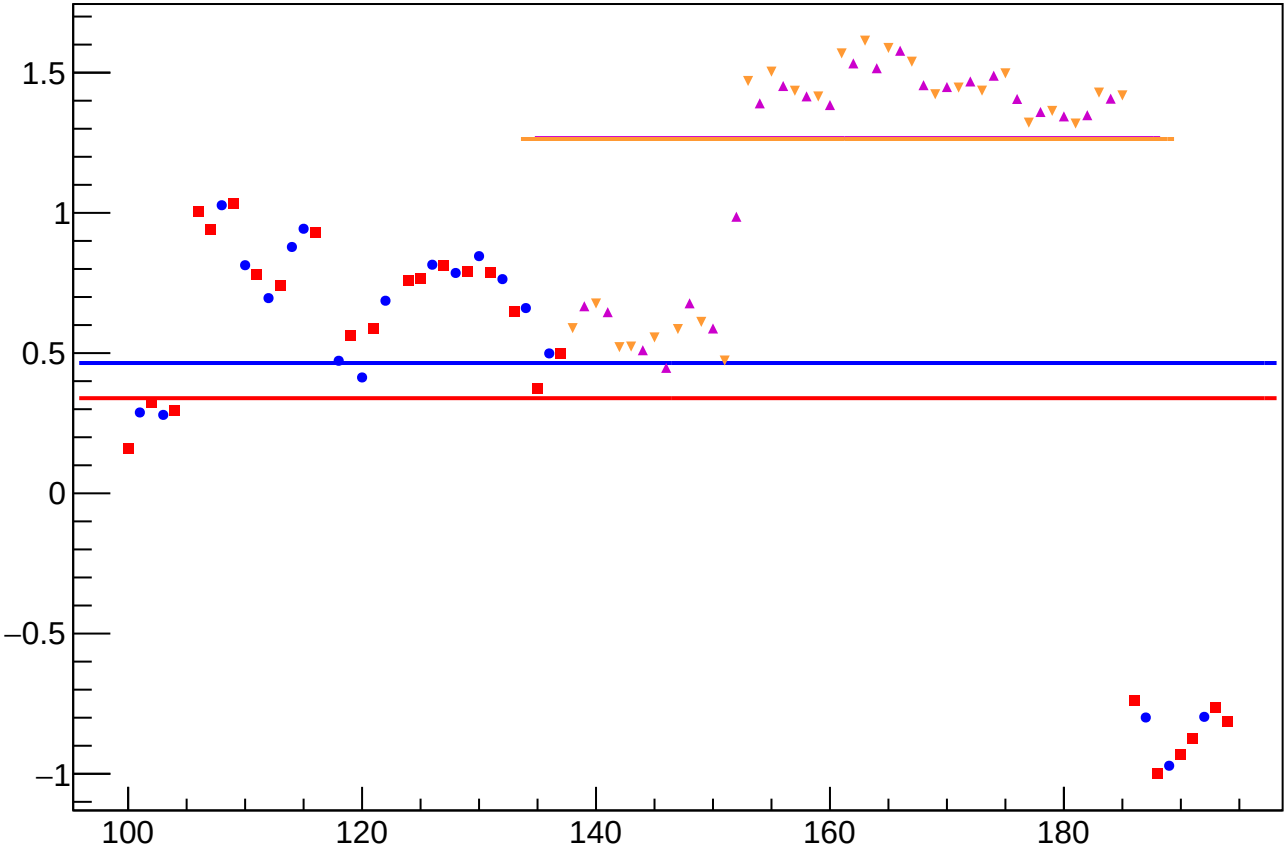
Right: 0.015+/-0.000 χ^2/NDF: 1255920.0/43

In: 0.016+/-0.000 χ^2/NDF:1281173.6/41

Out: 0.016+/-0.000 χ^2/NDF:1291122.9/49

All: 0.016+/-0.000 χ^2/NDF: 2578179.8/91

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.465+/-0.000 χ^2/NDF: 25994679139.8/18

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.339+/-0.000 χ^2/NDF: 49660471618.8/24

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

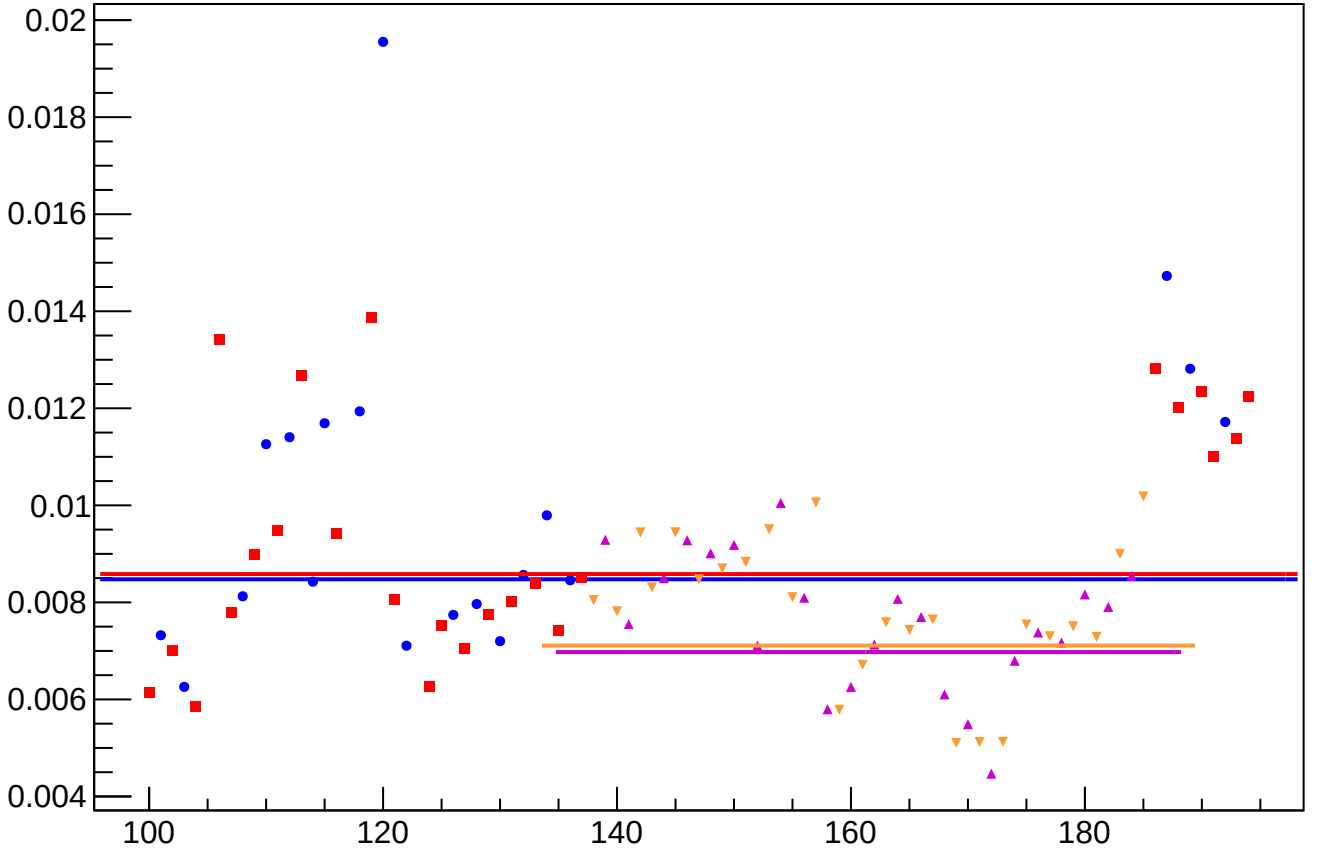
Right: 0.395+/-0.000 χ^2/NDF: 76567291118.2/43

In: 1.075+/-0.000 χ^2/NDF:115029067736.9/41

Out: 1.007+/-0.000 χ^2/NDF:175137218788.4/49

All: 1.040+/-0.000 χ^2/NDF: 291218521575.6

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 949515.8/18

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

Right Out: 0.009+/-0.000 χ^2/NDF: 1275933.1/24

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

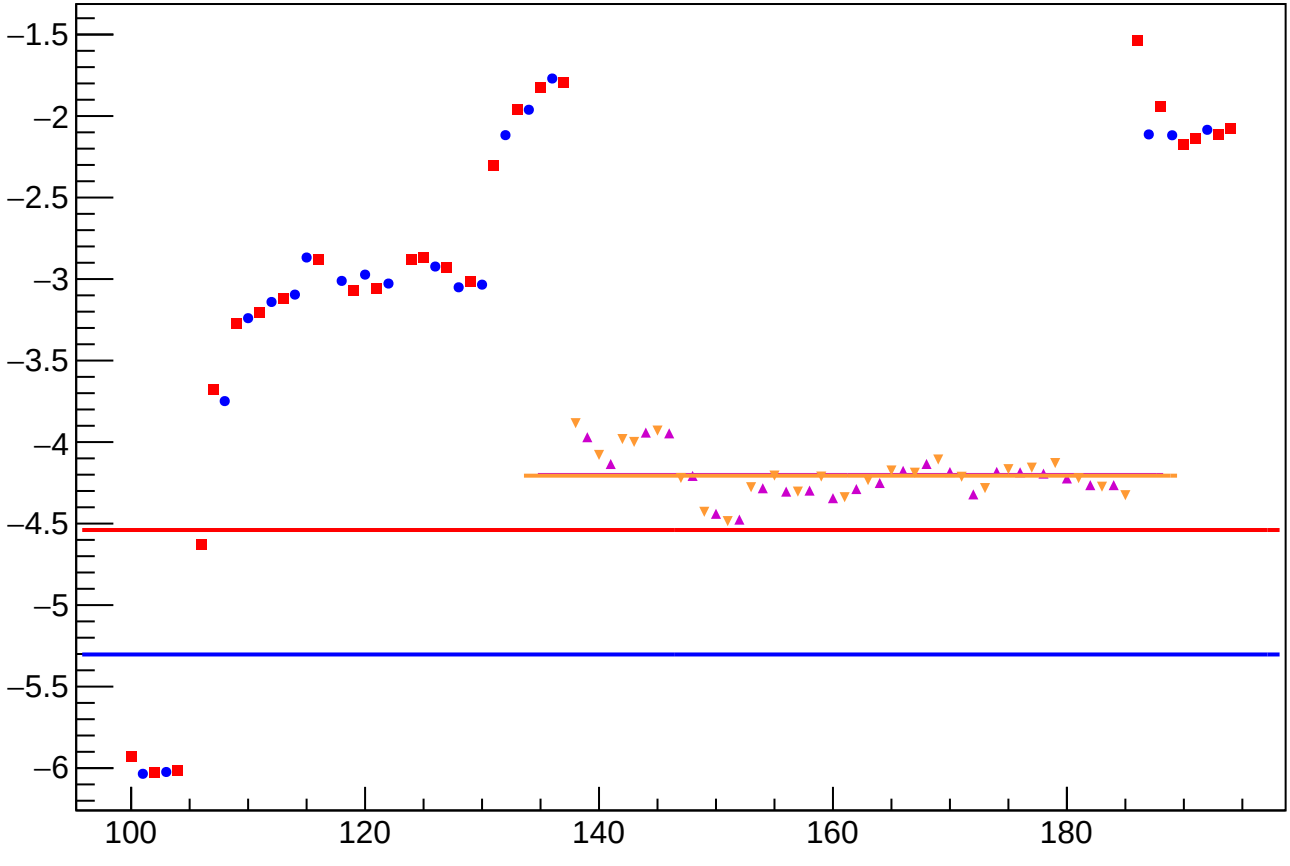
Right: 0.009+/-0.000 χ^2/NDF: 2226801.2/43

In: 0.007+/-0.000 χ^2/NDF:2766011.1/41

Out: 0.008+/-0.000 χ^2/NDF:3202033.4/49

All: 0.007+/-0.000 χ^2/NDF: 5983325.2/91

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.303+/-0.000 χ^2/NDF: 142910273235.0/18

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.539+/-0.000 χ^2/NDF: 245531476593.2/24

Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

Left: -4.203+/-0.000 χ^2/NDF: 104337107.5/47

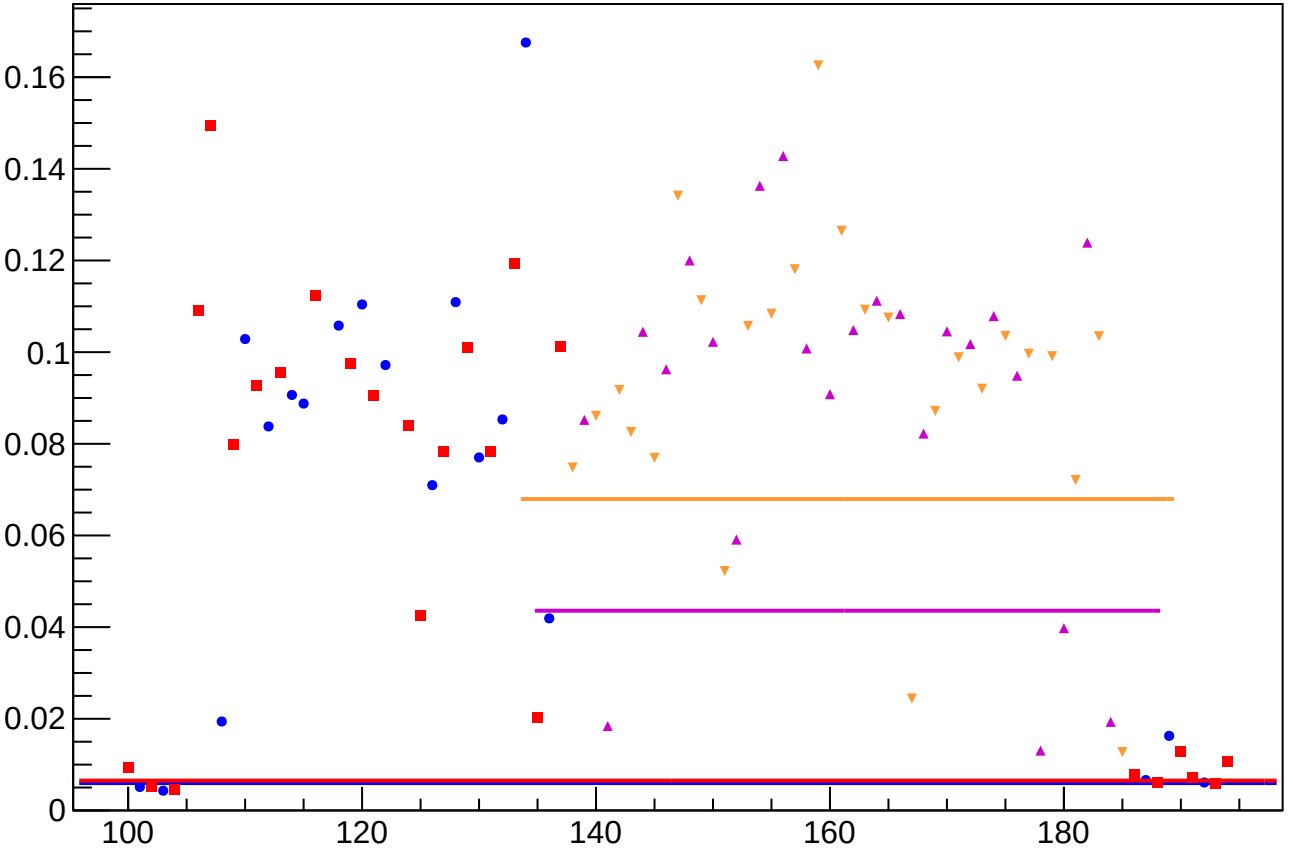
Right: -4.911+/-0.000 χ^2/NDF: 407007474704.1/43

In: -5.235+/-0.000 χ^2/NDF:147607362736.9/41

Out: -4.526+/-0.000 χ^2/NDF:245877102566.4/49

All: -4.875+/-0.000 χ^2/NDF: 410323032243.3

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8796847.2/18

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 8870000.2/24

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

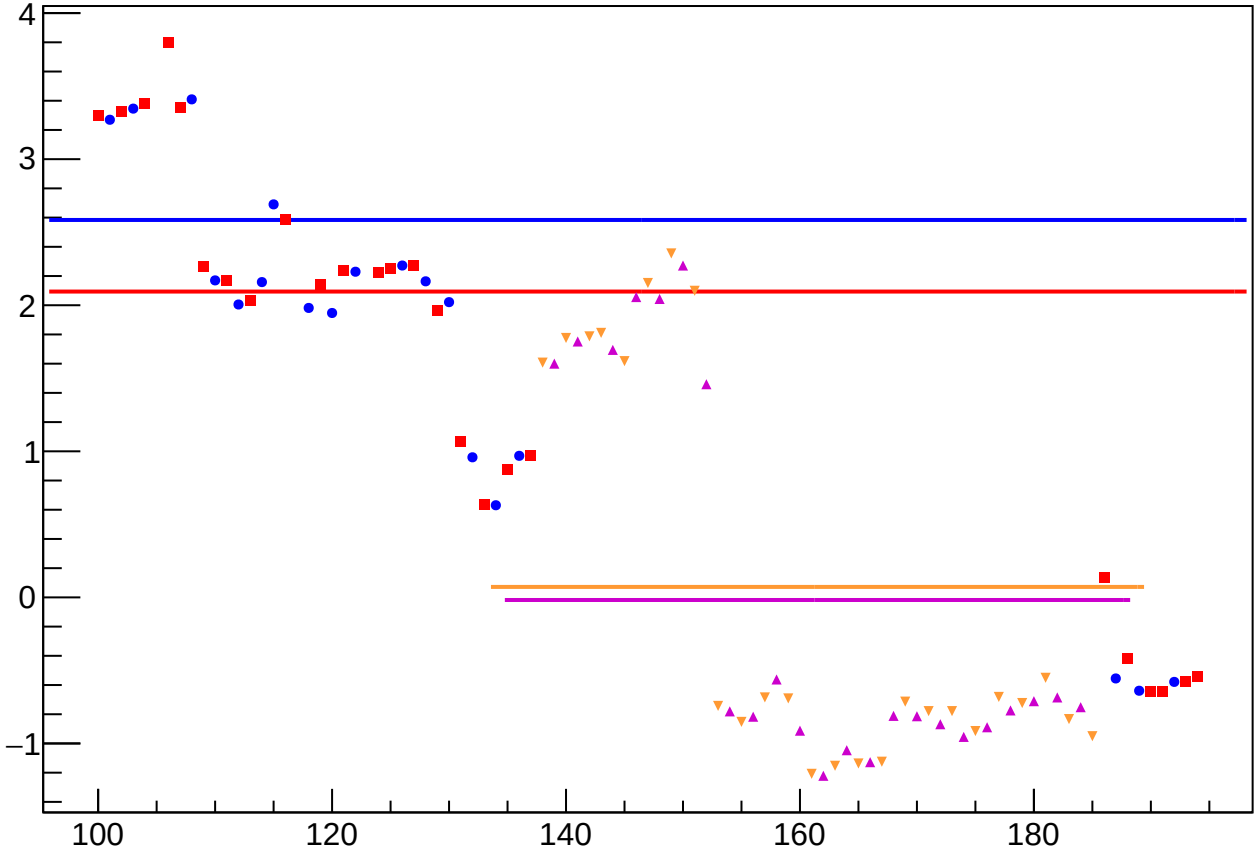
Right: 0.006+/-0.000 χ^2/NDF: 17685104.3/43

In: 0.008+/-0.000 χ^2/NDF:32415996.5/41

Out: 0.009+/-0.000 χ^2/NDF:35807018.4/49

All: 0.009+/-0.000 χ^2/NDF: 68248050.2/91

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 2.584+/-0.000 χ^2/NDF: 83535366555.7/18

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 2.094+/-0.000 χ^2/NDF: 136245951494.2/24

Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

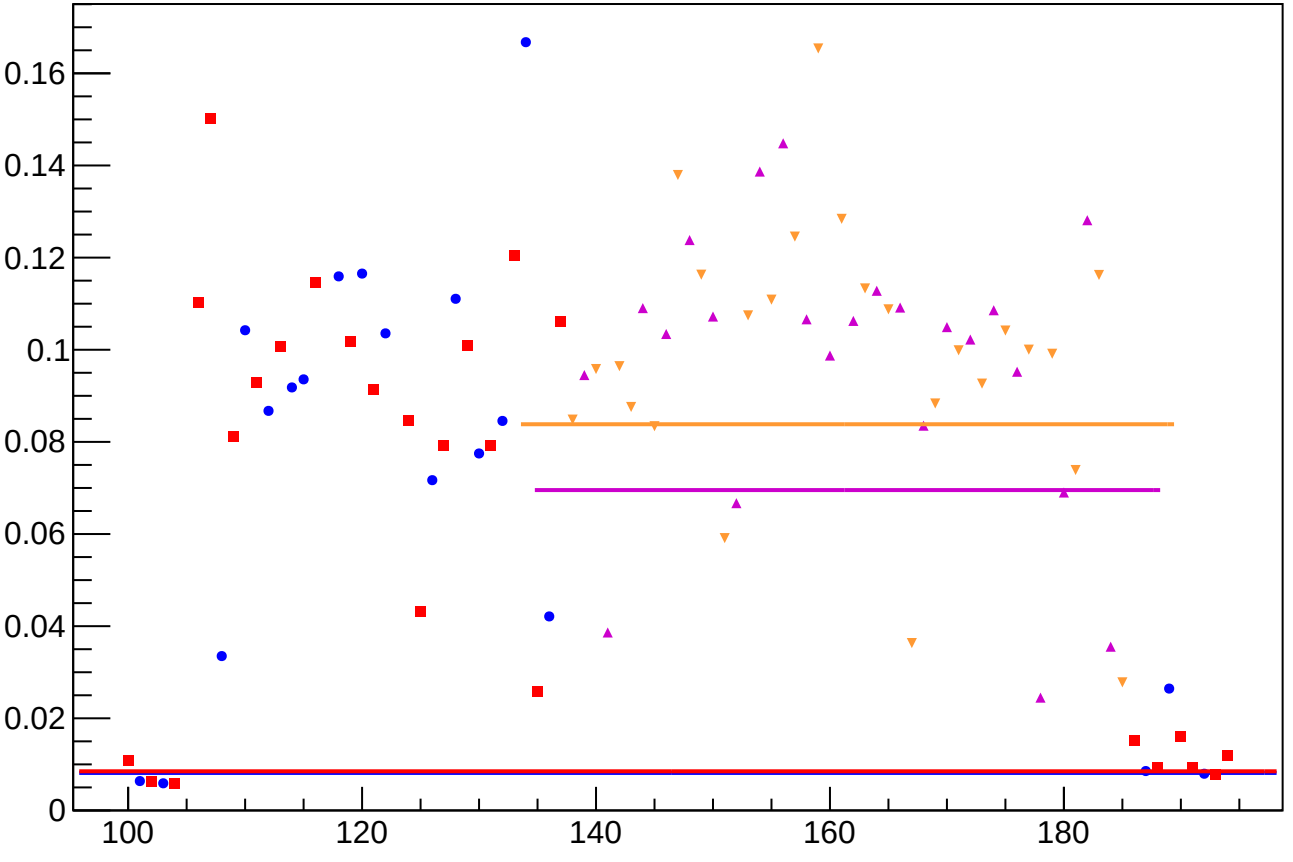
Right: 2.323+/-0.000 χ^2/NDF: 224595681762.0/43

In: 2.429+/-0.000 χ^2/NDF:102130274200.5/41

Out: 2.001+/-0.000 χ^2/NDF:147907447227.0/49

All: 2.203+/-0.000 χ^2/NDF: 253918594914.3

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8576293.7/18

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.009+/-0.000 χ^2/NDF: 8716565.6/24

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

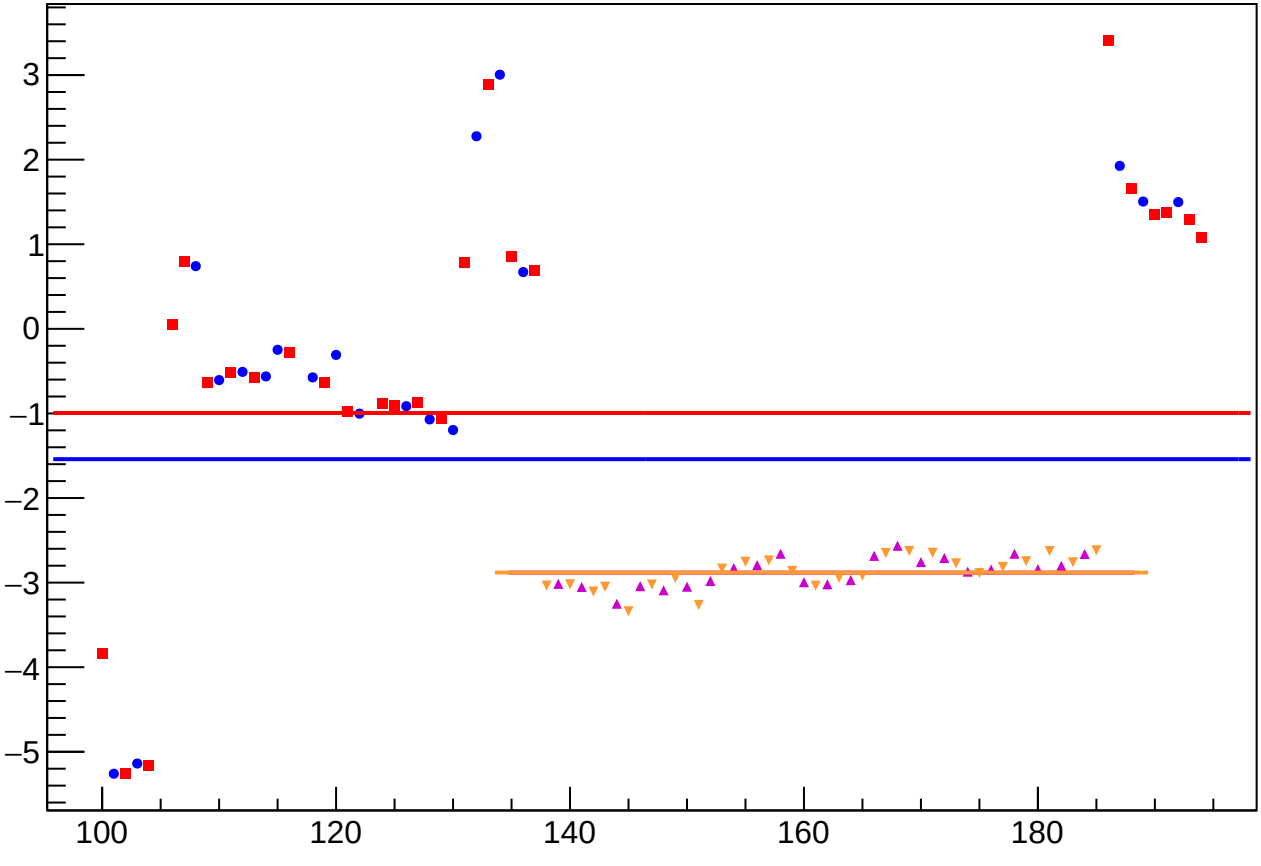
Right: 0.008+/-0.000 χ^2/NDF: 17297874.8/43

In: 0.012+/-0.000 χ^2/NDF:32134734.6/41

Out: 0.012+/-0.000 χ^2/NDF:34826495.4/49

All: 0.012+/-0.000 χ^2/NDF: 66962287.2/91

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.541+/-0.000 χ^2/NDF: 196303517890.3/18

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -0.995+/-0.000 χ^2/NDF: 228818227878.0/24

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

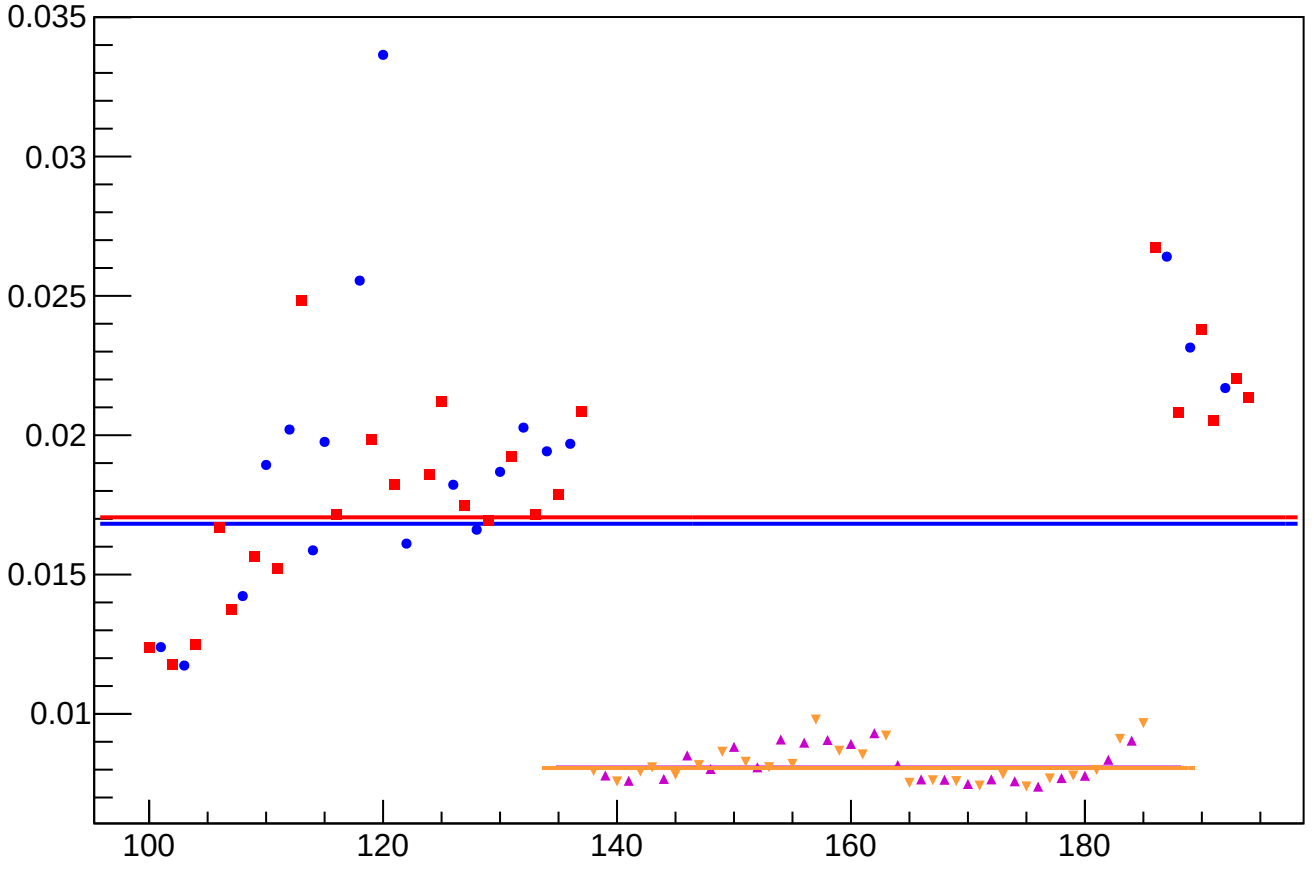
Right: -1.234+/-0.000 χ^2/NDF: 429449967164.1/43

In: -2.764+/-0.000 χ^2/NDF:247022316774.5/41

Out: -2.684+/-0.000 χ^2/NDF:345040890643.5/49

All: -2.723+/-0.000 χ^2/NDF: 593046304274.8

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.017+/-0.000 χ^2/NDF: 977111.8/18

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.017+/-0.000 χ^2/NDF: 968125.4/24

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

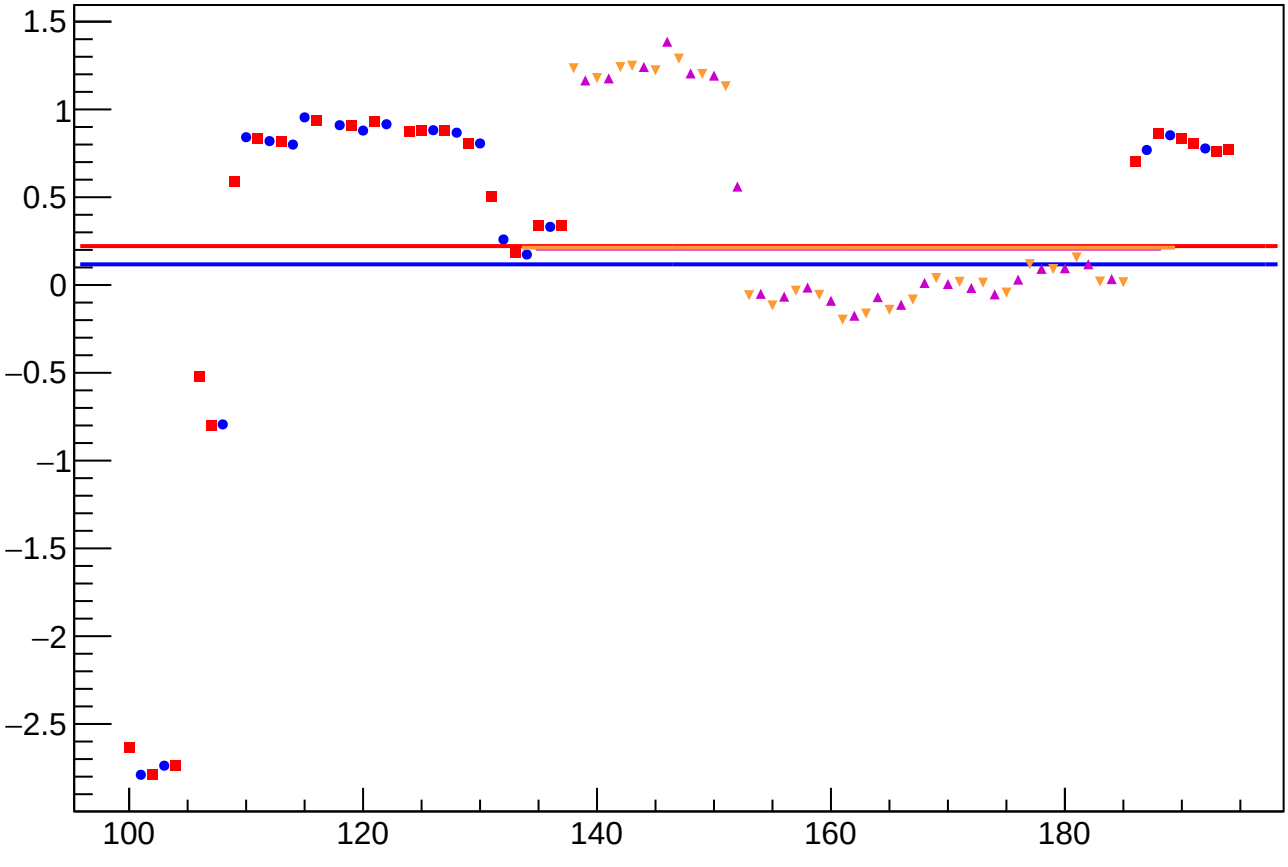
Right: 0.017+/-0.000 χ^2/NDF: 1946792.0/43

In: 0.009+/-0.000 χ^2/NDF:4762572.5/41

Out: 0.009+/-0.000 χ^2/NDF:5959118.8/49

All: 0.009+/-0.000 χ^2/NDF: 10728646.2/91

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.118+/-0.000 χ^2/NDF: 886784629582.2/18

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.222+/-0.000 χ^2/NDF: 999538322199.0/24

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

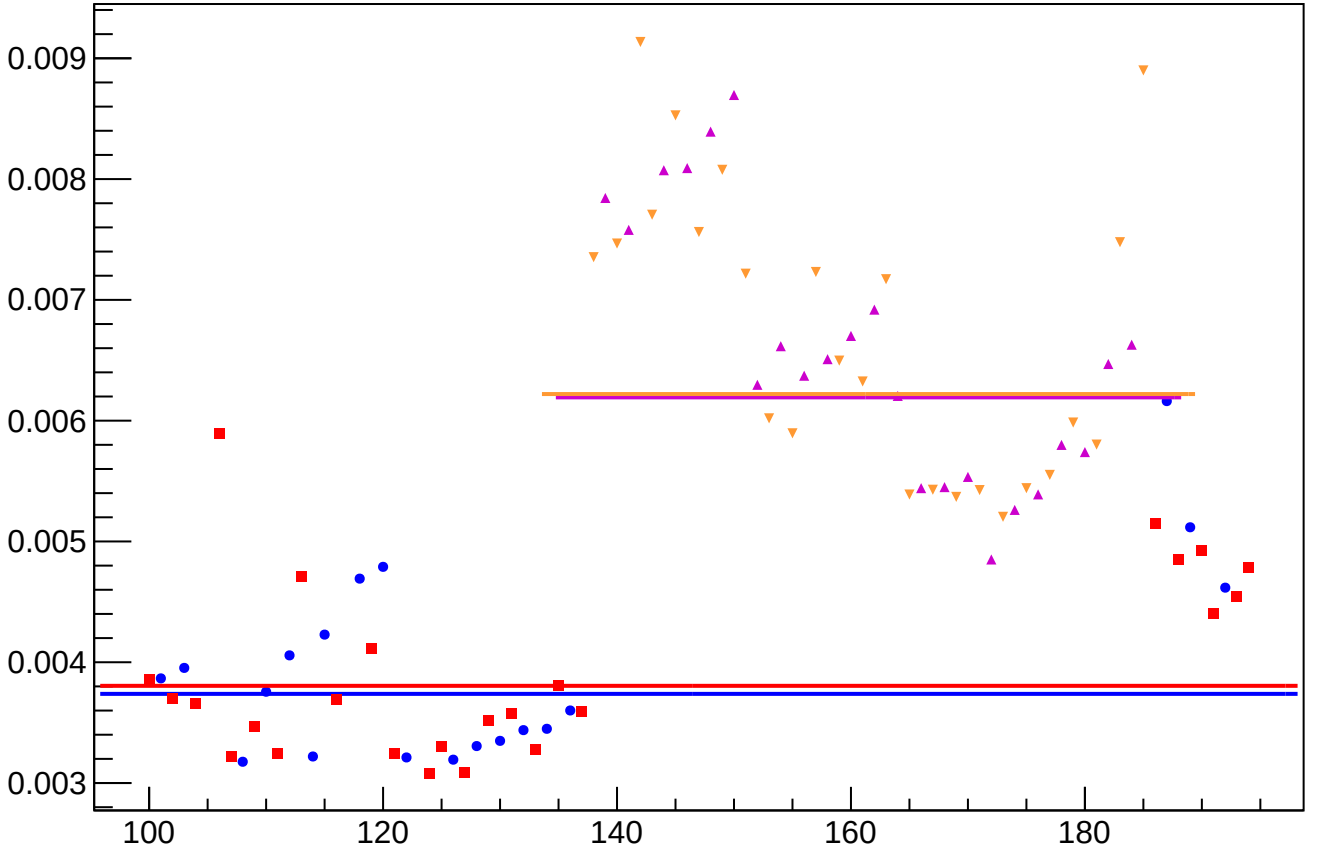
Right: 0.175+/-0.000 χ^2/NDF: 1889799895509.1/43

In: 0.155+/-0.000 χ^2/NDF:975845737754.6/41

Out: 0.218+/-0.000 χ^2/NDF:1102378877737.2/49

All: 0.189+/-0.000 χ^2/NDF: 2080377671399.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 393662.1/18

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 593063.2/24

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

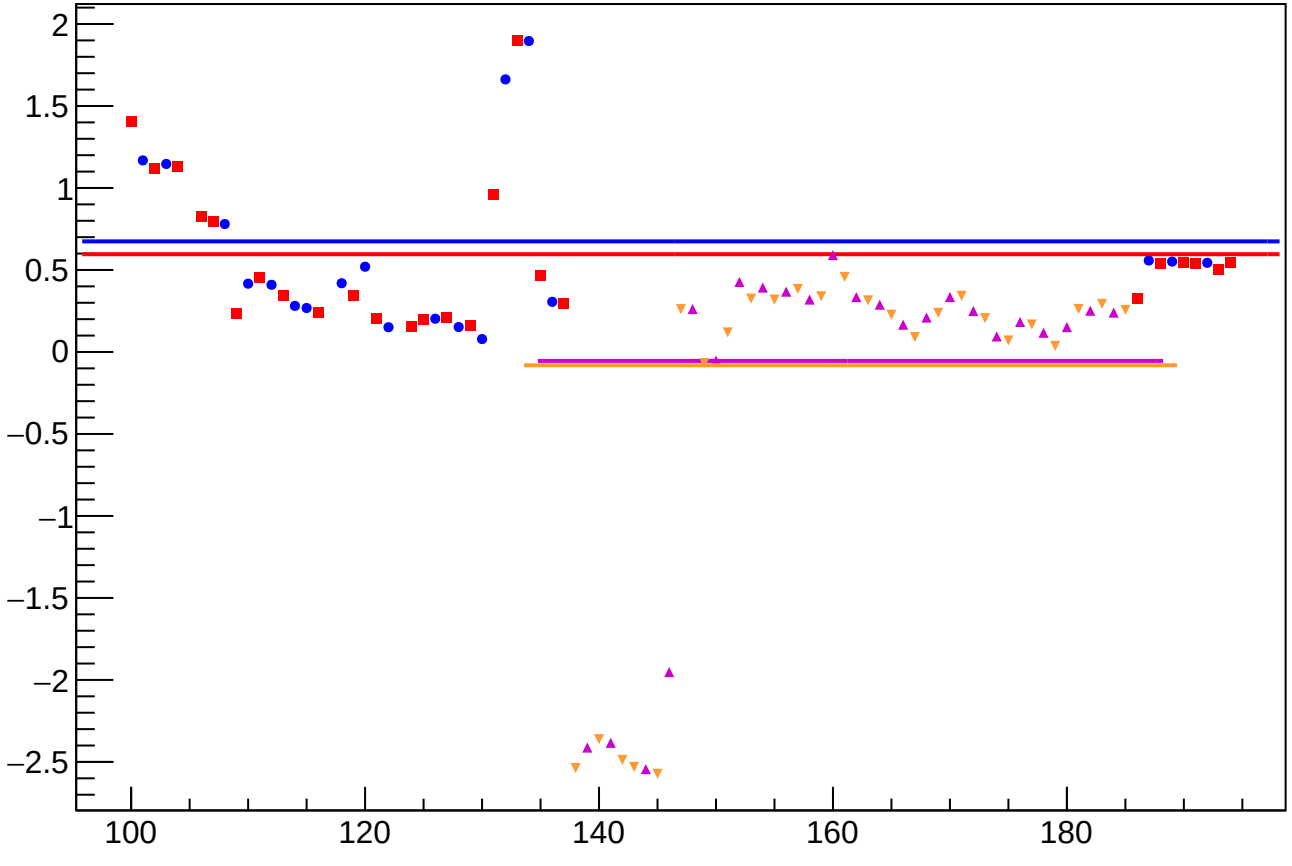
Right: 0.004+/-0.000 χ^2/NDF: 989580.9/43

In: 0.005+/-0.000 χ^2/NDF:4133516.7/41

Out: 0.005+/-0.000 χ^2/NDF:4537982.9/49

All: 0.005+/-0.000 χ^2/NDF: 8672950.5/91

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.674+/-0.000 χ^2/NDF: 40808558538.1/18

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.596+/-0.000 χ^2/NDF: 43262207746.3/24

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

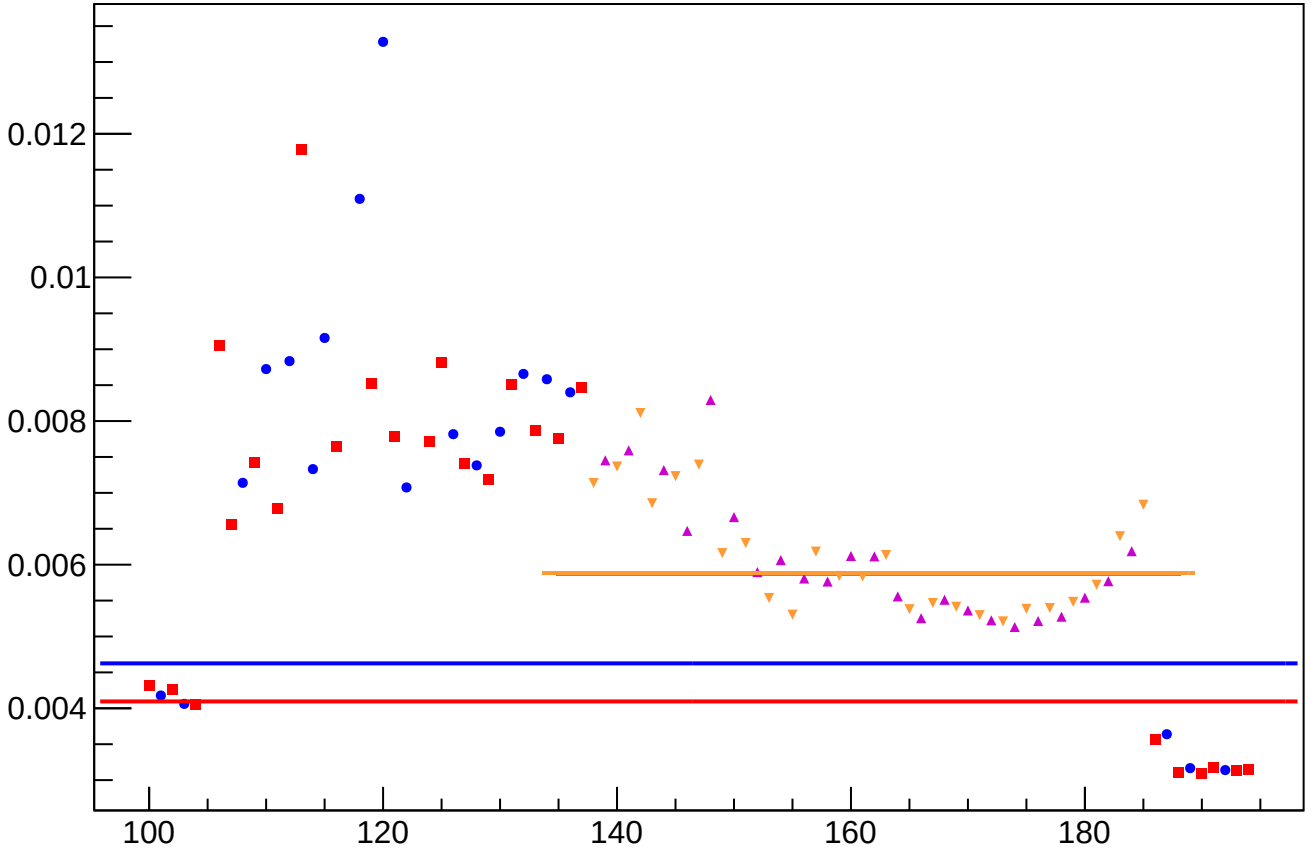
Right: 0.625+/-0.000 χ^2/NDF: 85235319396.5/43

In: 0.226+/-0.000 χ^2/NDF:486969938415.1/41

Out: 0.259+/-0.000 χ^2/NDF:548152702244.6/49

All: 0.244+/-0.000 χ^2/NDF: 1035596007425.

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2805855.4/18

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3183851.0/24

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

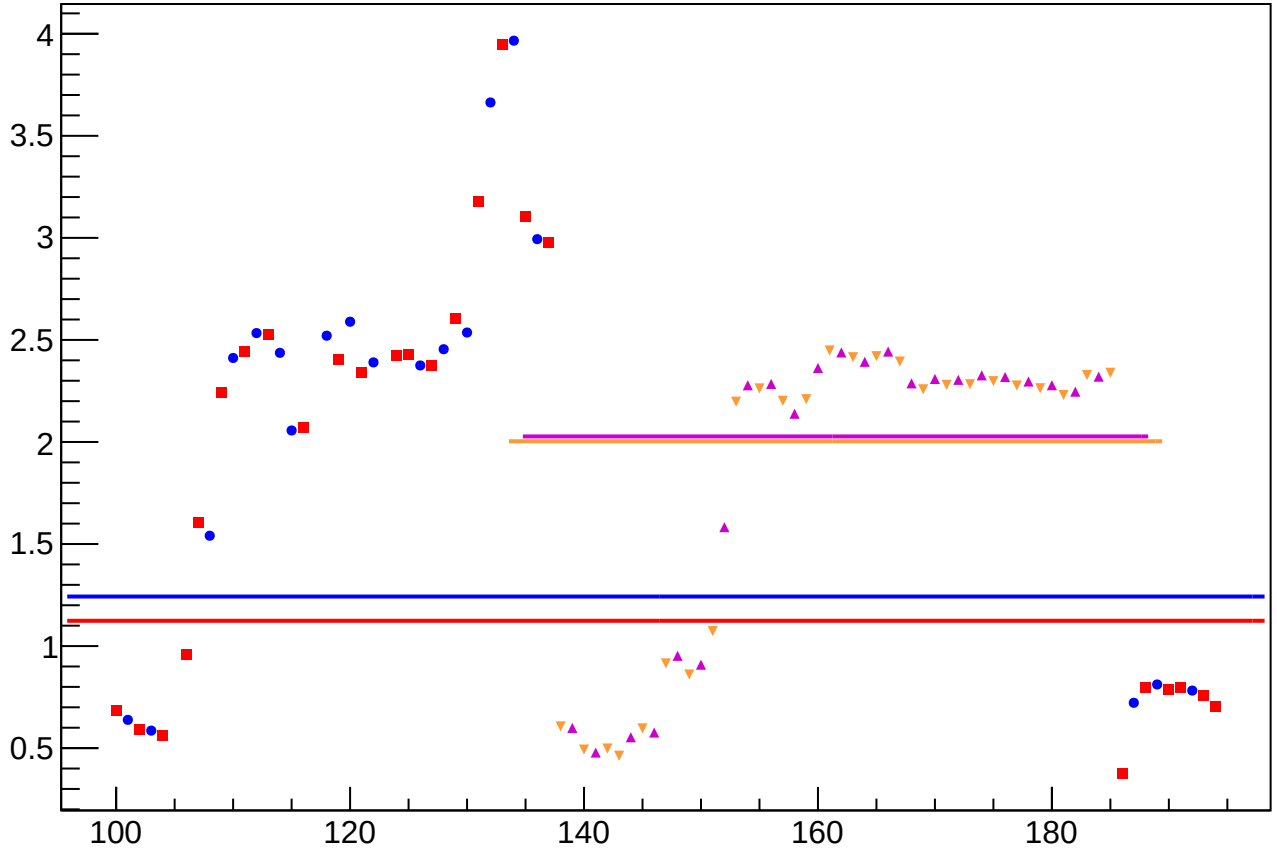
Right: 0.004+/-0.000 χ^2/NDF: 6096490.9/43

In: 0.005+/-0.000 χ^2/NDF:3909628.1/41

Out: 0.005+/-0.000 χ^2/NDF:5266155.8/49

All: 0.005+/-0.000 χ^2/NDF: 9323099.7/91

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.243+/-0.000 χ^2/NDF: 190415561402.8/18

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 1.124+/-0.000 χ^2/NDF: 234251085179.9/24

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

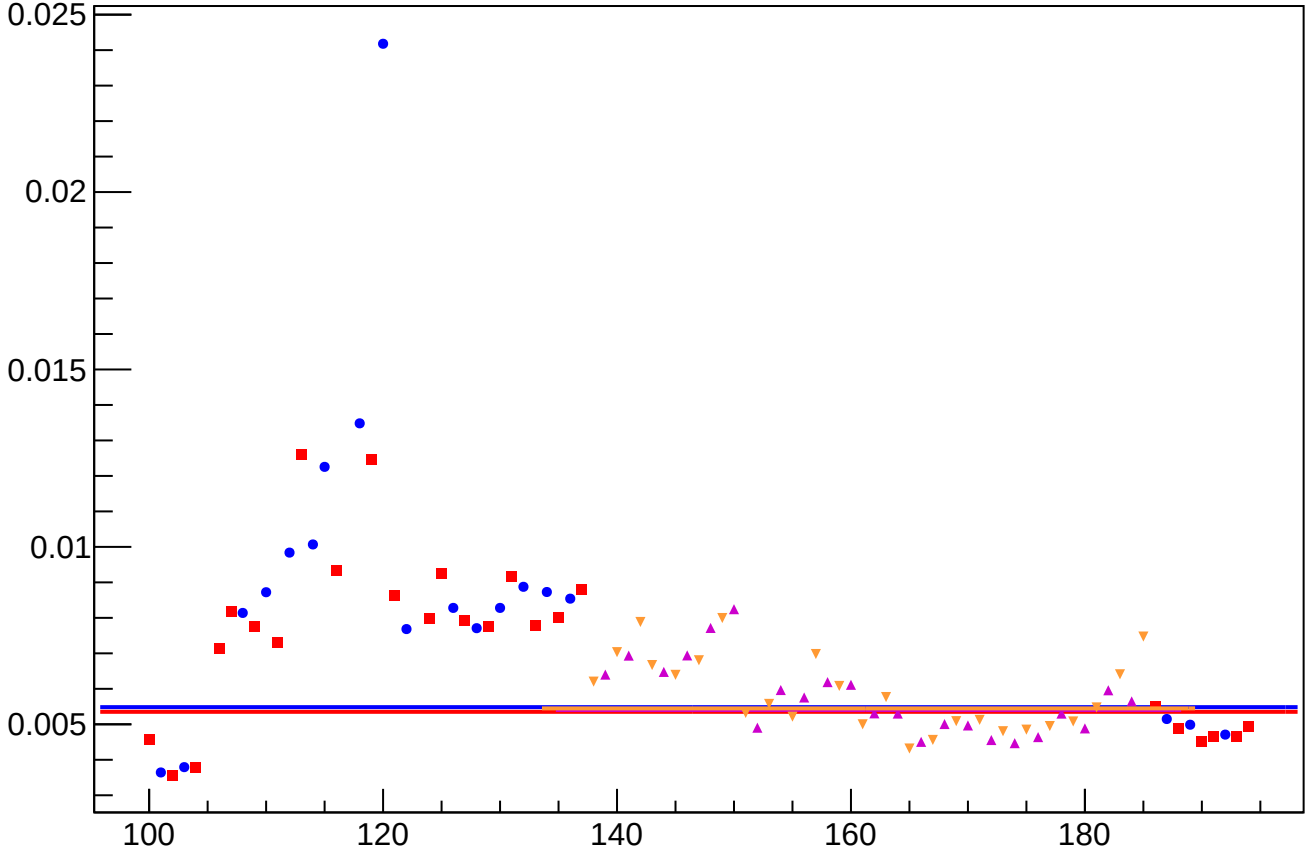
Right: 1.173+/-0.000 χ^2/NDF: 426474959894.9/43

In: 1.799+/-0.000 χ^2/NDF:479995028677.2/41

Out: 1.687+/-0.000 χ^2/NDF:607048212941.6/49

All: 1.739+/-0.000 χ^2/NDF: 1092078779931.

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2301680.0/18

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2124004.6/24

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

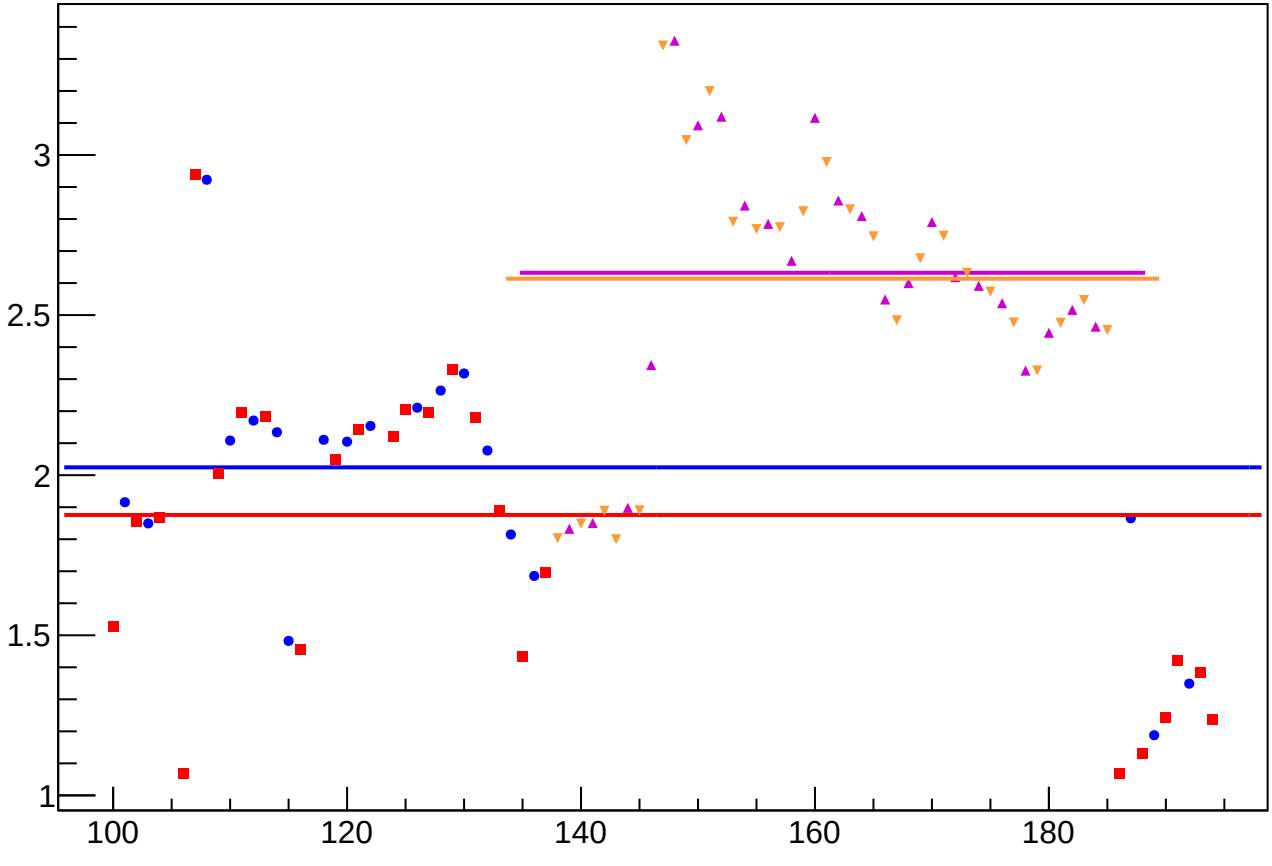
Right: 0.005+/-0.000 χ^2/NDF: 4430117.8/43

In: 0.005+/-0.000 χ^2/NDF:3118732.0/41

Out: 0.005+/-0.000 χ^2/NDF:2899153.5/49

All: 0.005+/-0.000 χ^2/NDF: 6018036.5/91

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.024+/-0.000 χ^2/NDF: 22700246218.4/18

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.876+/-0.000 χ^2/NDF: 37129599451.0/24

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

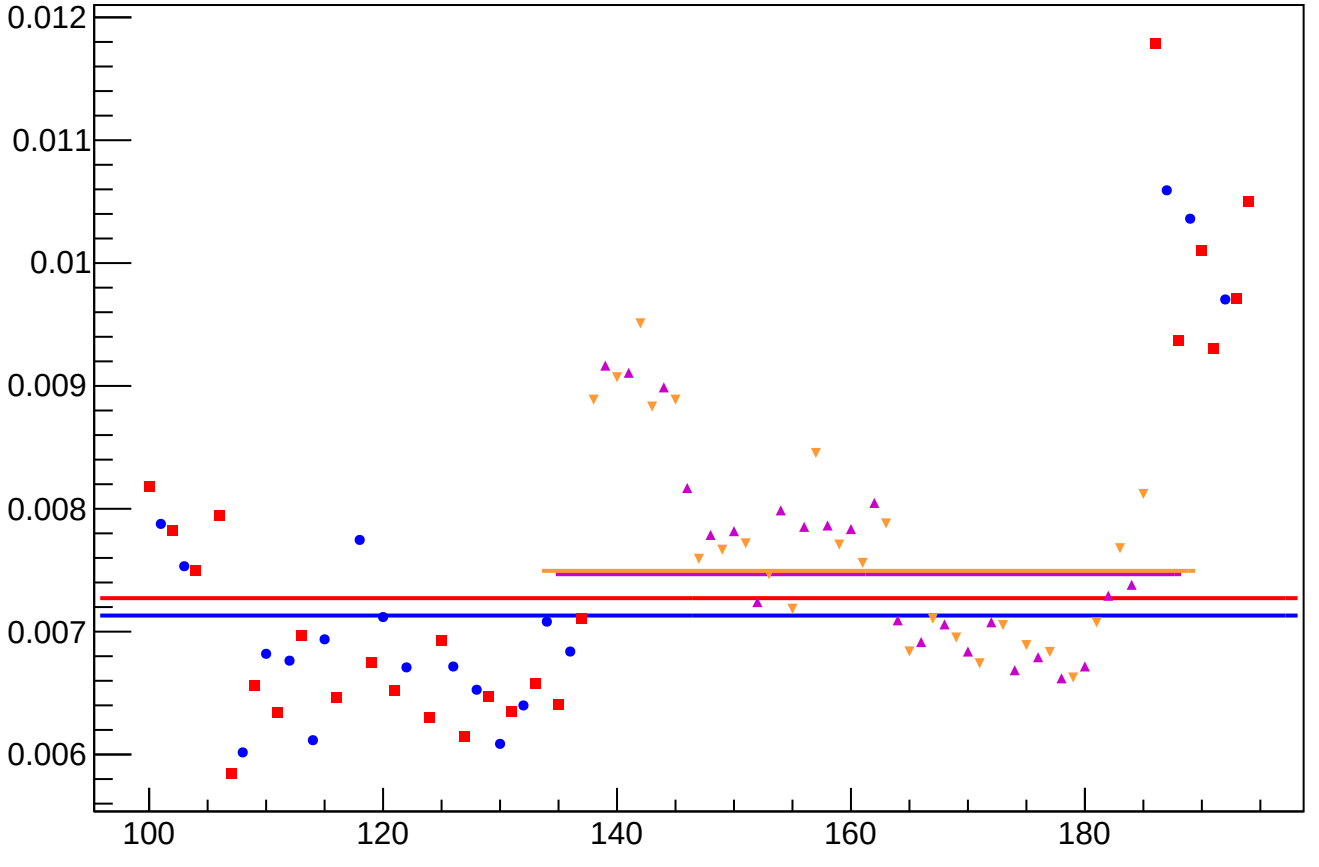
Right: 1.944+/-0.000 χ^2/NDF: 61792874081.8/43

In: 2.423+/-0.000 χ^2/NDF:102769138520.3/41

Out: 2.336+/-0.000 χ^2/NDF:149552532262.2/49

All: 2.378+/-0.000 χ^2/NDF: 254157604524.1

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 383700.4/18

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.007+/-0.000 χ^2/NDF: 719036.9/24

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

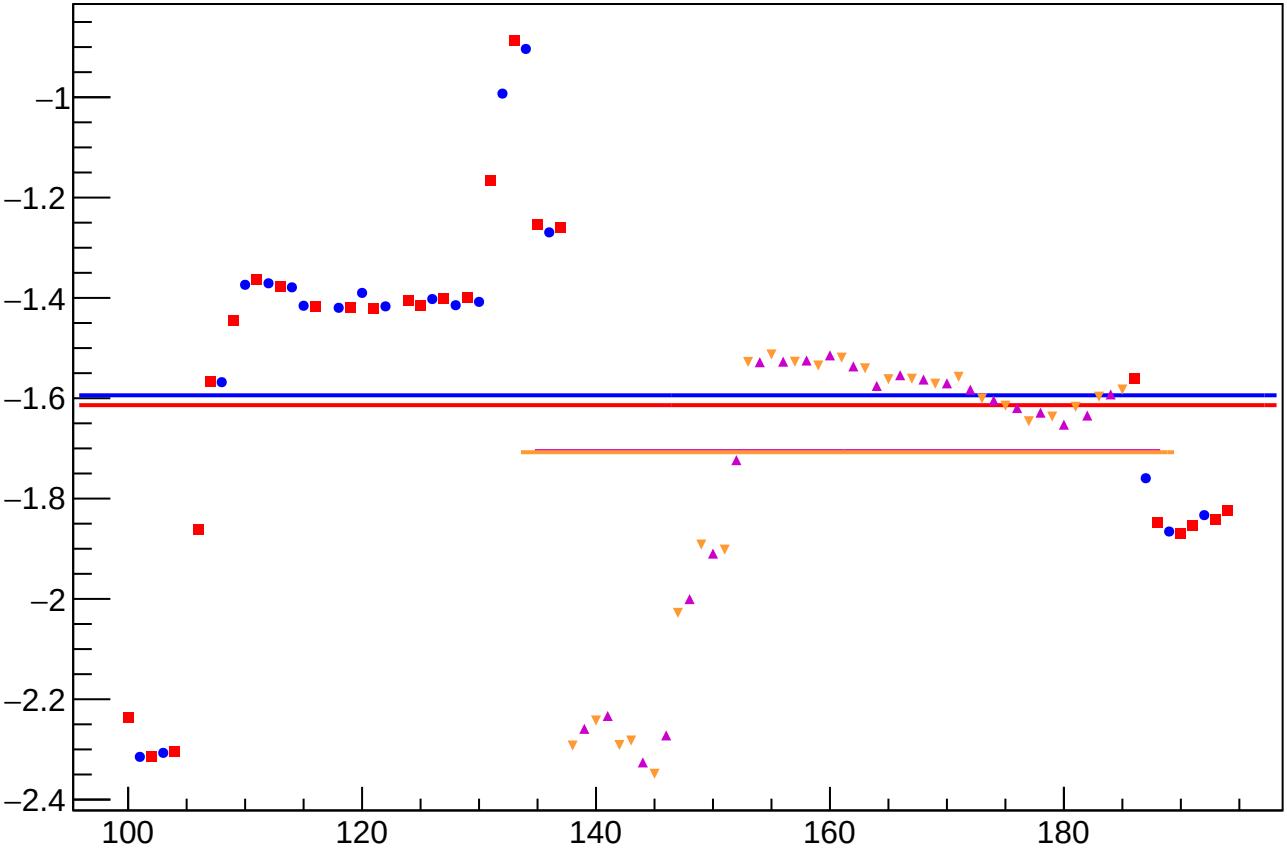
Right: 0.007+/-0.000 χ^2/NDF: 1106293.5/43

In: 0.007+/-0.000 χ^2/NDF:729850.7/41

Out: 0.007+/-0.000 χ^2/NDF:1063703.2/49

All: 0.007+/-0.000 χ^2/NDF: 1795330.5/91

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.594+/-0.000 χ^2/NDF: 185989173069.1/18

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.614+/-0.000 χ^2/NDF: 194679373275.0/24

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

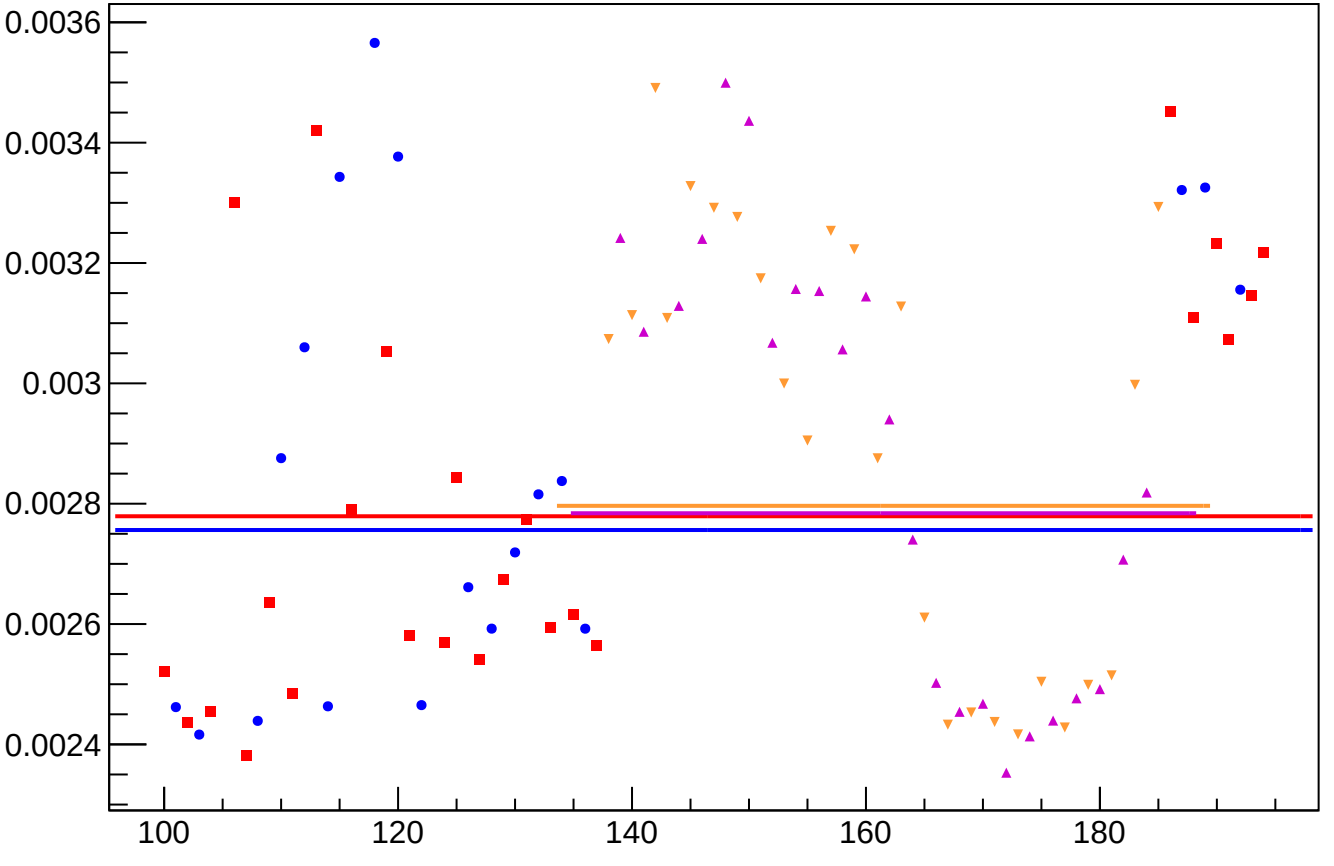
Right: -1.605+/-0.000 χ^2/NDF: 380900518939.0/43

In: -1.668+/-0.000 χ^2/NDF:331571472454.6/41

Out: -1.673+/-0.000 χ^2/NDF:353917269439.0/49

All: -1.671+/-0.000 χ^2/NDF: 685526876168.3

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 239504.2/18

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 263736.3/24

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

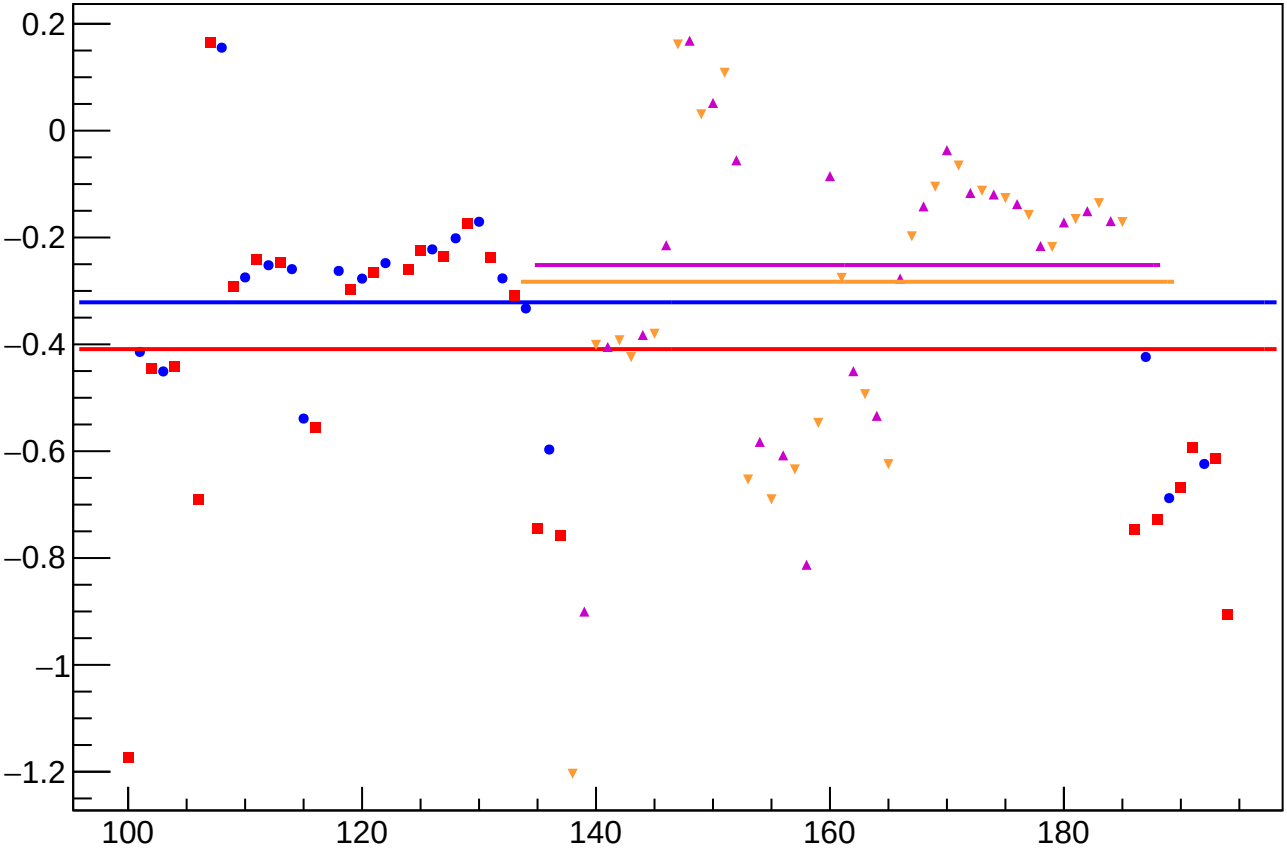
Right: 0.003+/-0.000 χ^2/NDF: 503867.3/43

In: 0.003+/-0.000 χ^2/NDF:797751.3/41

Out: 0.003+/-0.000 χ^2/NDF:811999.0/49

All: 0.003+/-0.000 χ^2/NDF: 1610548.6/91

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.321+/-0.000 χ^2/NDF: 2223700492.5/18

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.409+/-0.000 χ^2/NDF: 4313969497.4/24

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

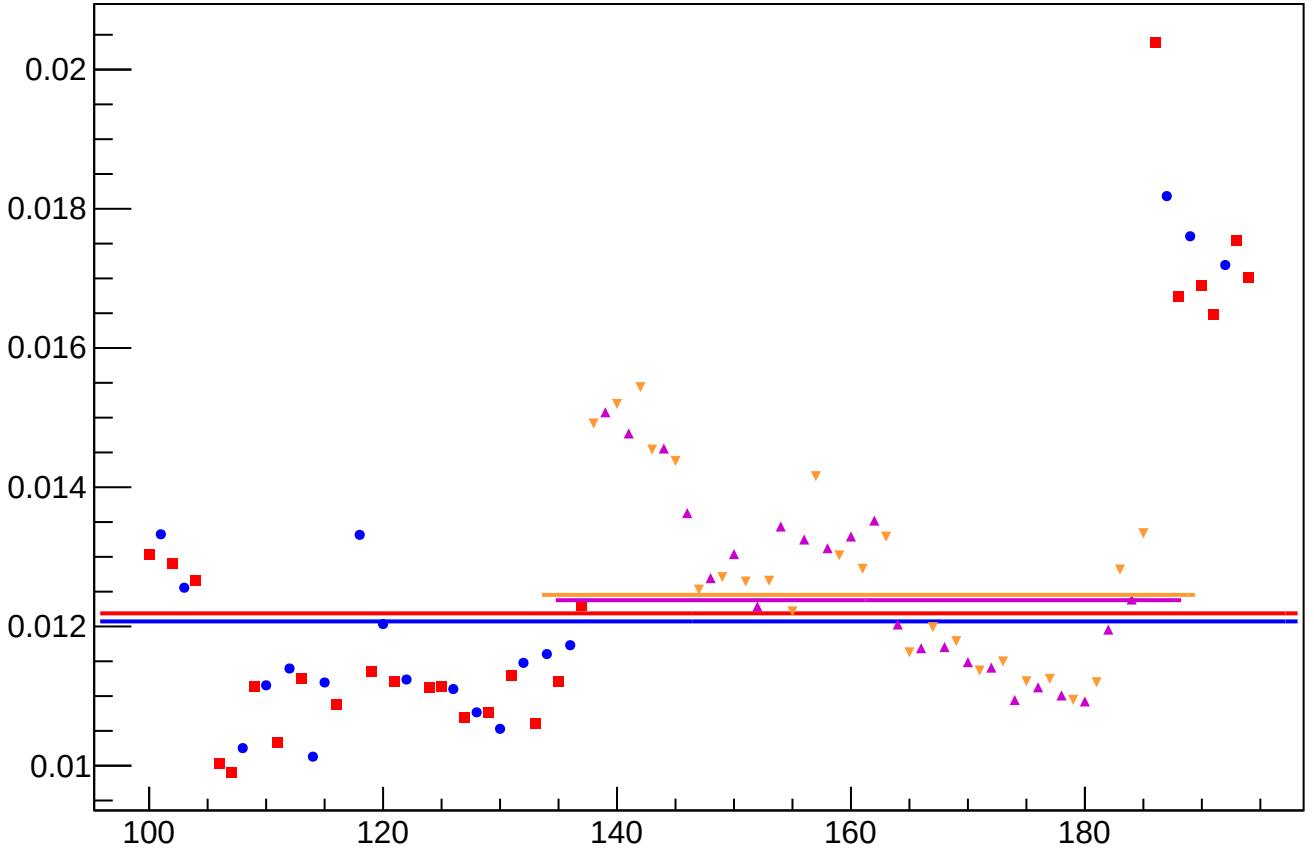
Right: -0.369+/-0.000 χ^2/NDF: 6780552672.8/43

In: -0.275+/-0.000 χ^2/NDF:9576656375.3/41

Out: -0.330+/-0.000 χ^2/NDF:14357394469.0/49

All: -0.304+/-0.000 χ^2/NDF: 24203501430.3/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 427438.3/18

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.012+/-0.000 χ^2/NDF: 830059.1/24

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

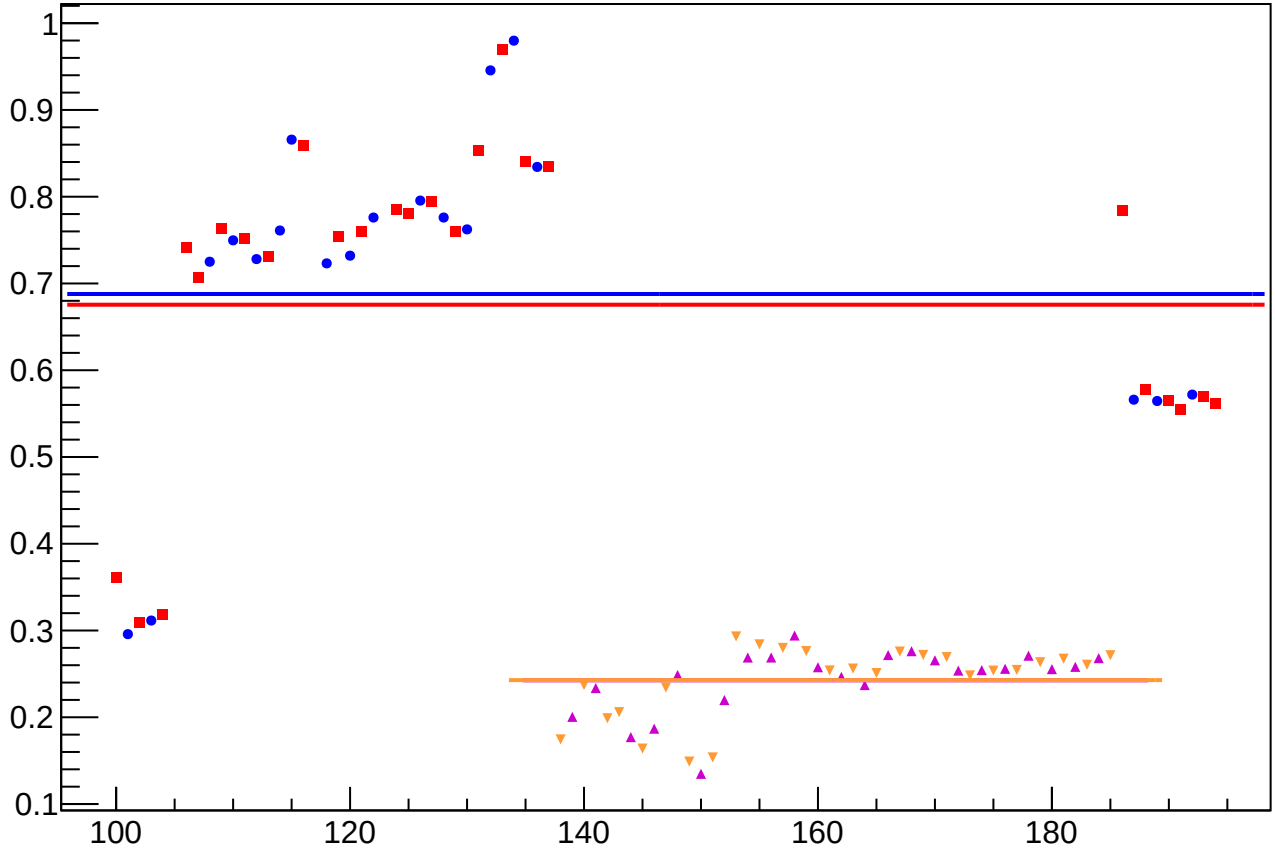
Right: 0.012+/-0.000 χ^2/NDF: 1258345.9/43

In: 0.012+/-0.000 χ^2/NDF:761441.3/41

Out: 0.012+/-0.000 χ^2/NDF:1177702.8/49

All: 0.012+/-0.000 χ^2/NDF: 1940294.8/91

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.688+/-0.000 χ^2/NDF: 52351852667.0/18

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.676+/-0.000 χ^2/NDF: 51084067879.1/24

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

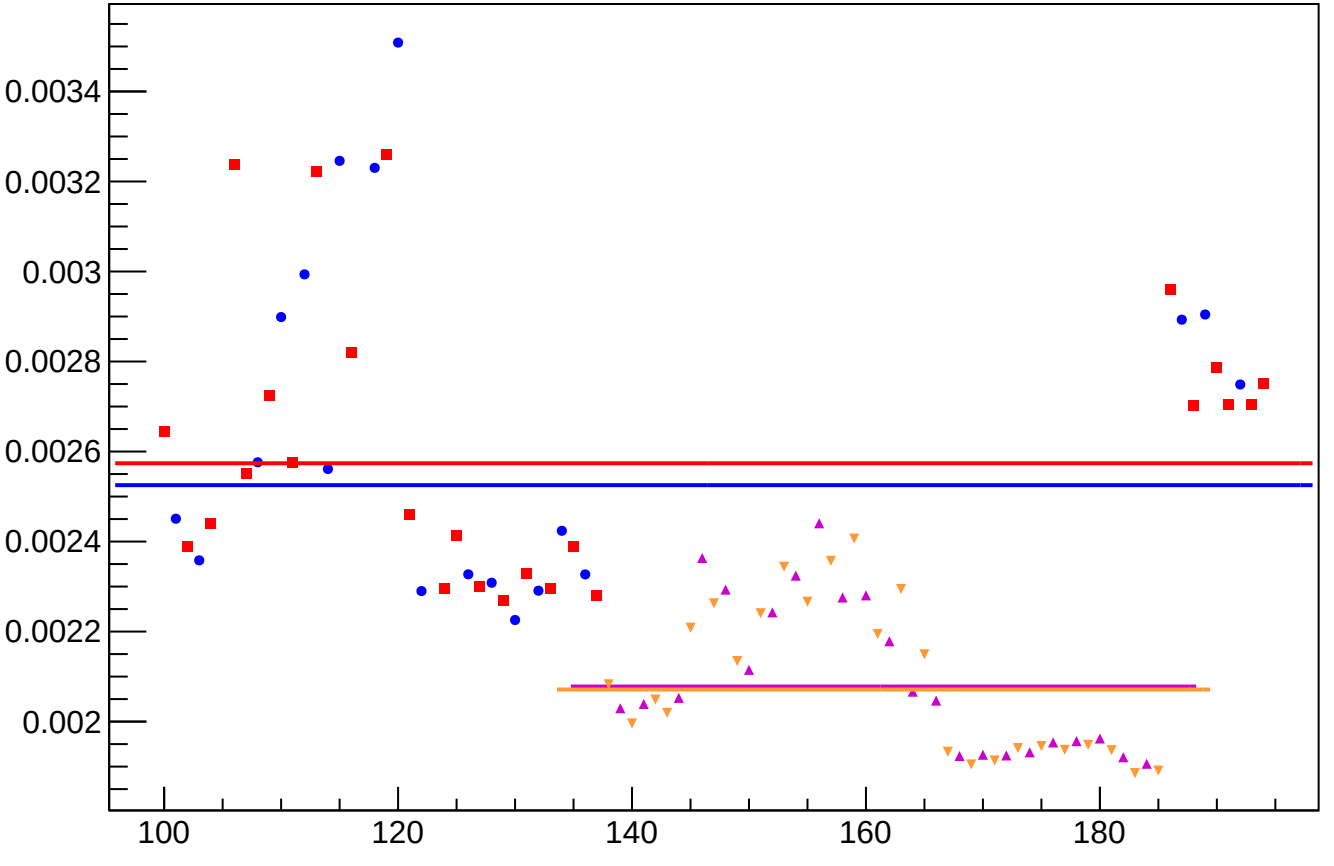
Right: 0.681+/-0.000 χ^2/NDF: 103546156840.3/43

In: 0.349+/-0.000 χ^2/NDF:257158150436.9/41

Out: 0.357+/-0.000 χ^2/NDF:278170412018.0/49

All: 0.353+/-0.000 χ^2/NDF: 535499449758.2

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 249356.0/18

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 222828.4/24

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

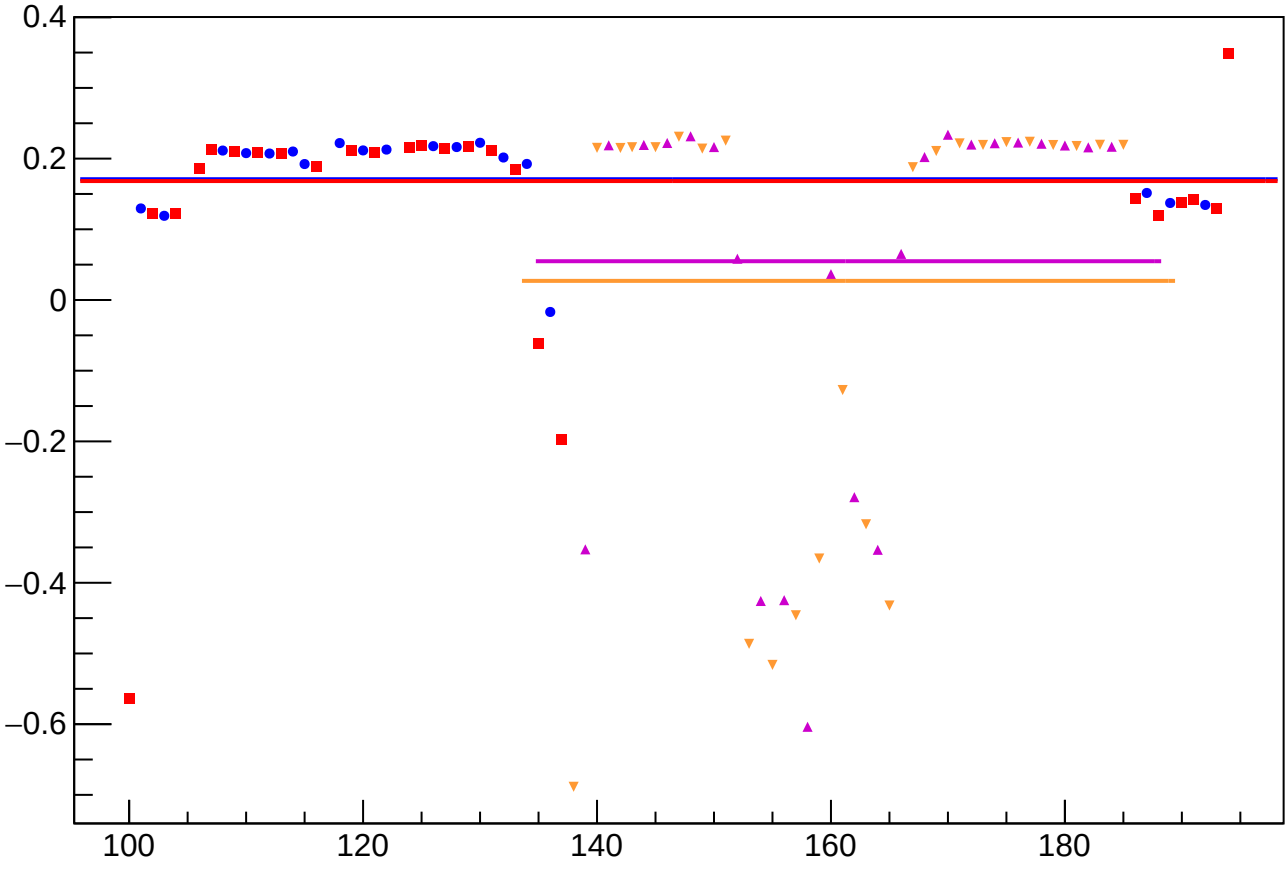
Right: 0.003+/-0.000 χ^2/NDF: 475595.8/43

In: 0.002+/-0.000 χ^2/NDF:862821.0/41

Out: 0.002+/-0.000 χ^2/NDF:1049924.5/49

All: 0.002+/-0.000 χ^2/NDF: 1914777.0/91

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.171+/-0.000 χ^2/NDF: 410476087.9/18

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.168+/-0.000 χ^2/NDF: 1008667764.1/24

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

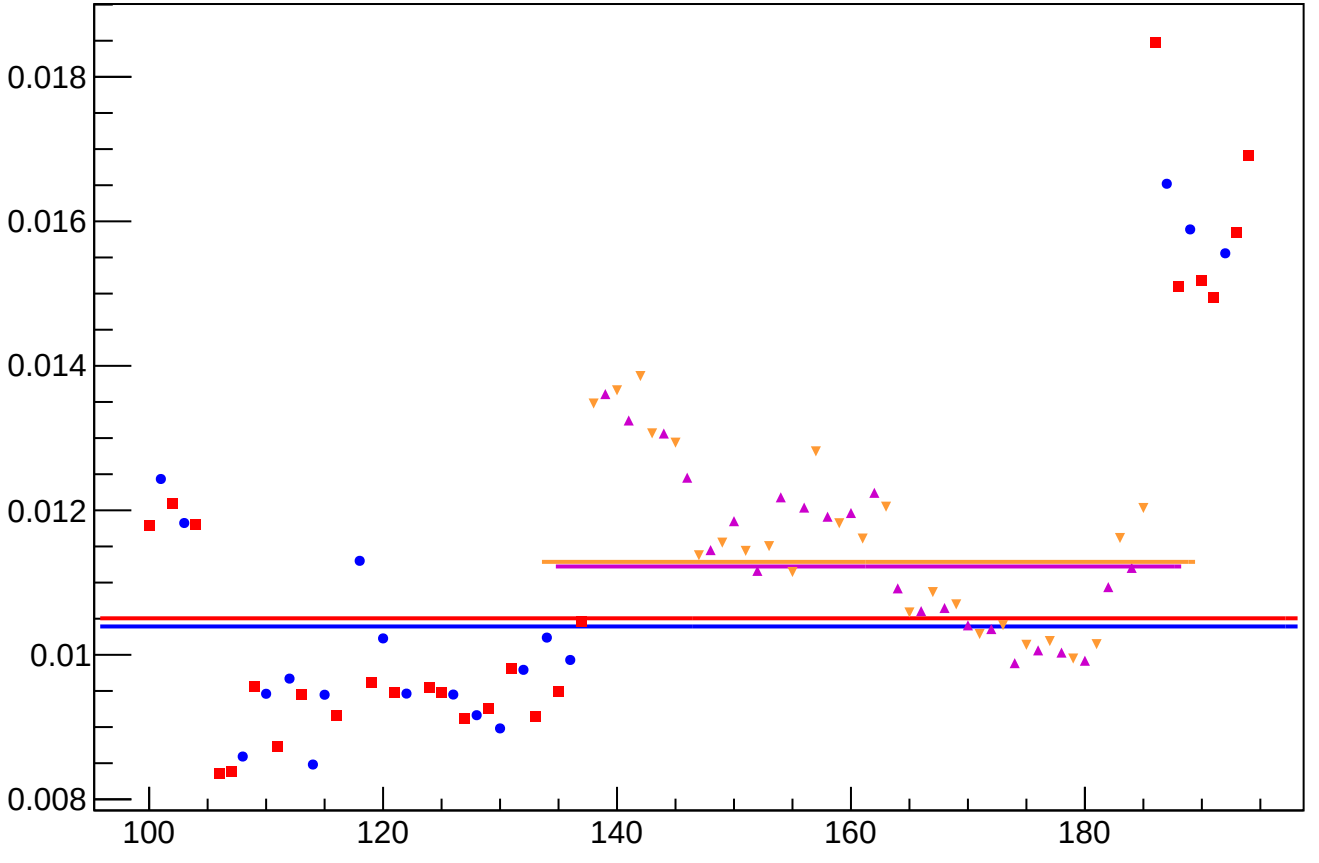
Right: 0.169+/-0.000 χ^2/NDF: 1419426118.9/43

In: 0.096+/-0.000 χ^2/NDF:10778006462.9/41

Out: 0.082+/-0.000 χ^2/NDF:15106185106.5/49

All: 0.089+/-0.000 χ^2/NDF: 25906249113.1/9

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 566921.0/18

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

Right Out: 0.011+/-0.000 χ^2/NDF: 1114187.5/24

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

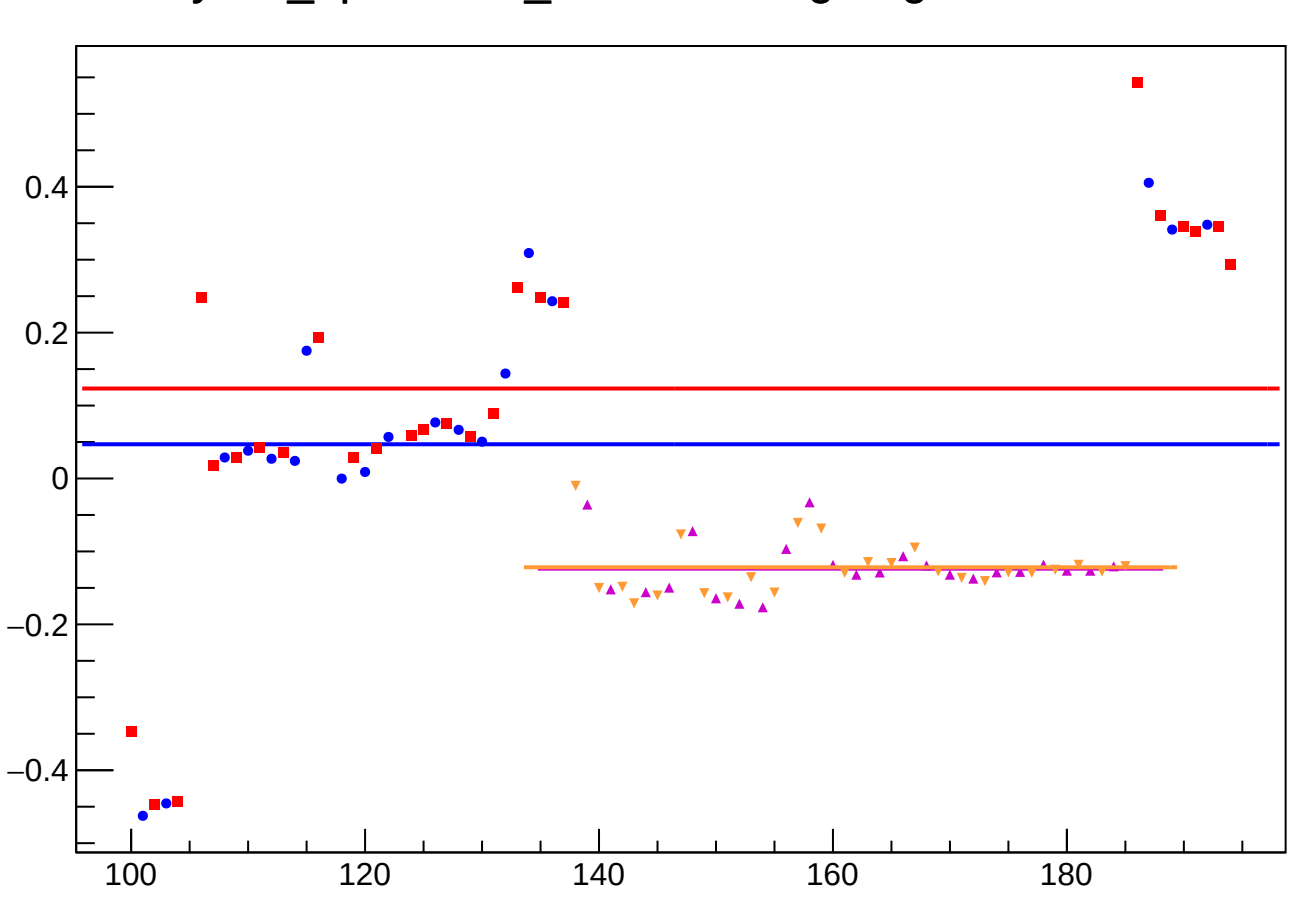
Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

Right: 0.010+/-0.000 χ^2/NDF: 1682179.5/43

In: 0.011+/-0.000 χ^2/NDF:950130.2/41

Out: 0.011+/-0.000 χ^2/NDF:1511148.4/49

All: 0.011+/-0.000 χ^2/NDF: 2461962.8/91



Right In: 0.047+/-0.000 χ^2/NDF: 37418119323.6/18

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.123+/-0.000 χ^2/NDF: 44360981988.0/24

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

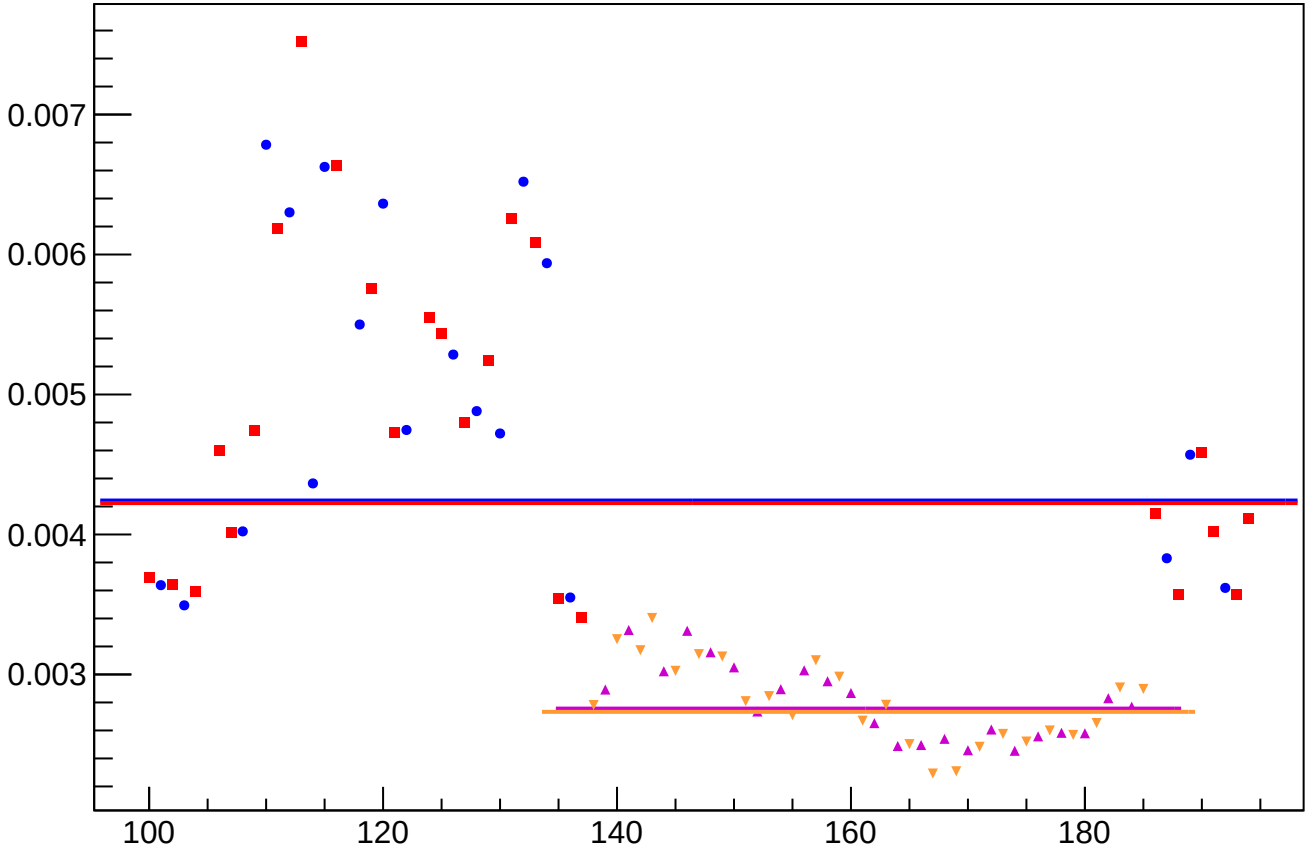
Right: 0.090+/-0.000 χ^2/NDF: 83168558837.3/43

In: -0.097+/-0.000 χ^2/NDF:50680649080.4/41

Out: -0.078+/-0.000 χ^2/NDF:73811178245.2/49

All: -0.087+/-0.000 χ^2/NDF: 125012044179.2

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 735856.1/18

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.004+/-0.000 χ^2/NDF: 872490.9/24

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

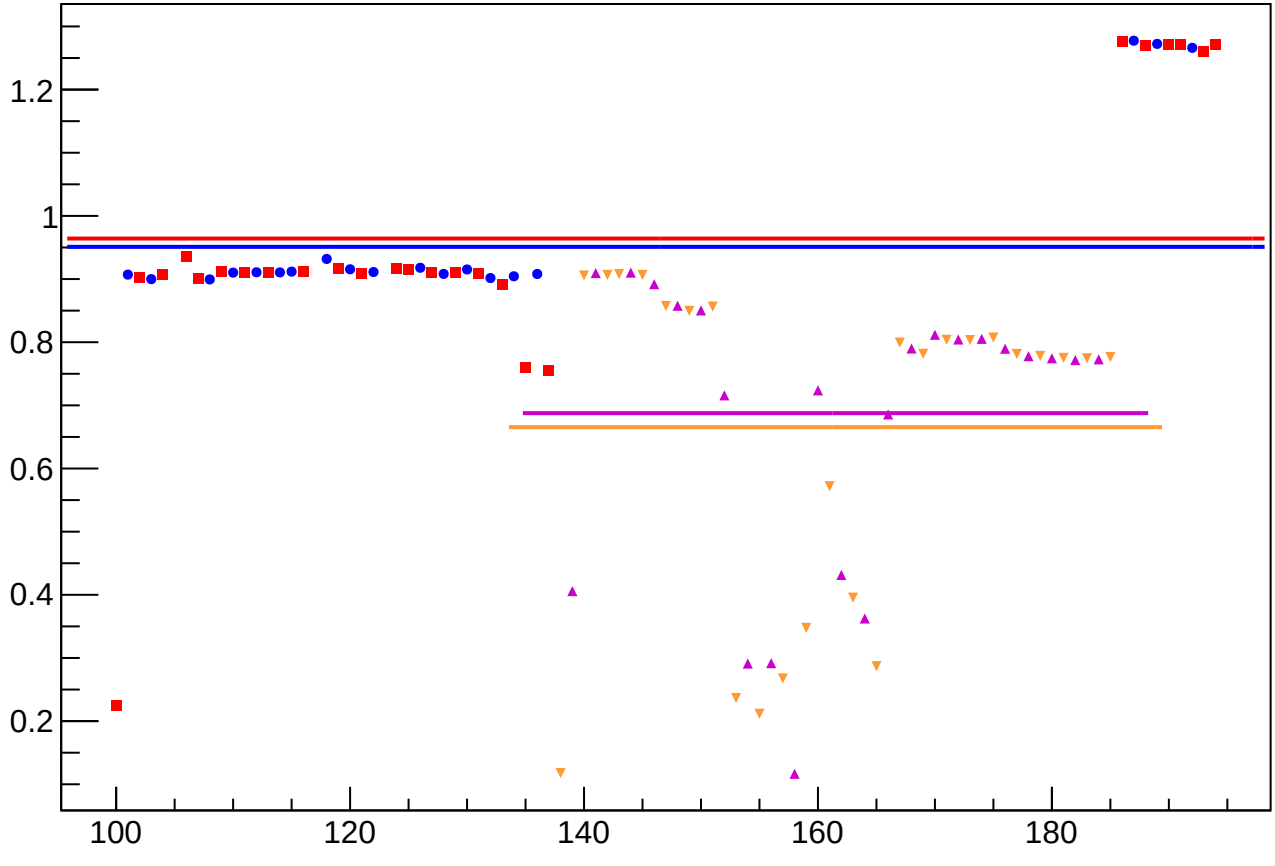
Right: 0.004+/-0.000 χ^2/NDF: 1608502.4/43

In: 0.003+/-0.000 χ^2/NDF:2616326.0/41

Out: 0.003+/-0.000 χ^2/NDF:3228846.8/49

All: 0.003+/-0.000 χ^2/NDF: 5845523.2/91

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.951+/-0.000 χ^2/NDF: 841005822.2/18

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 0.964+/-0.000 χ^2/NDF: 2038090583.5/24

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

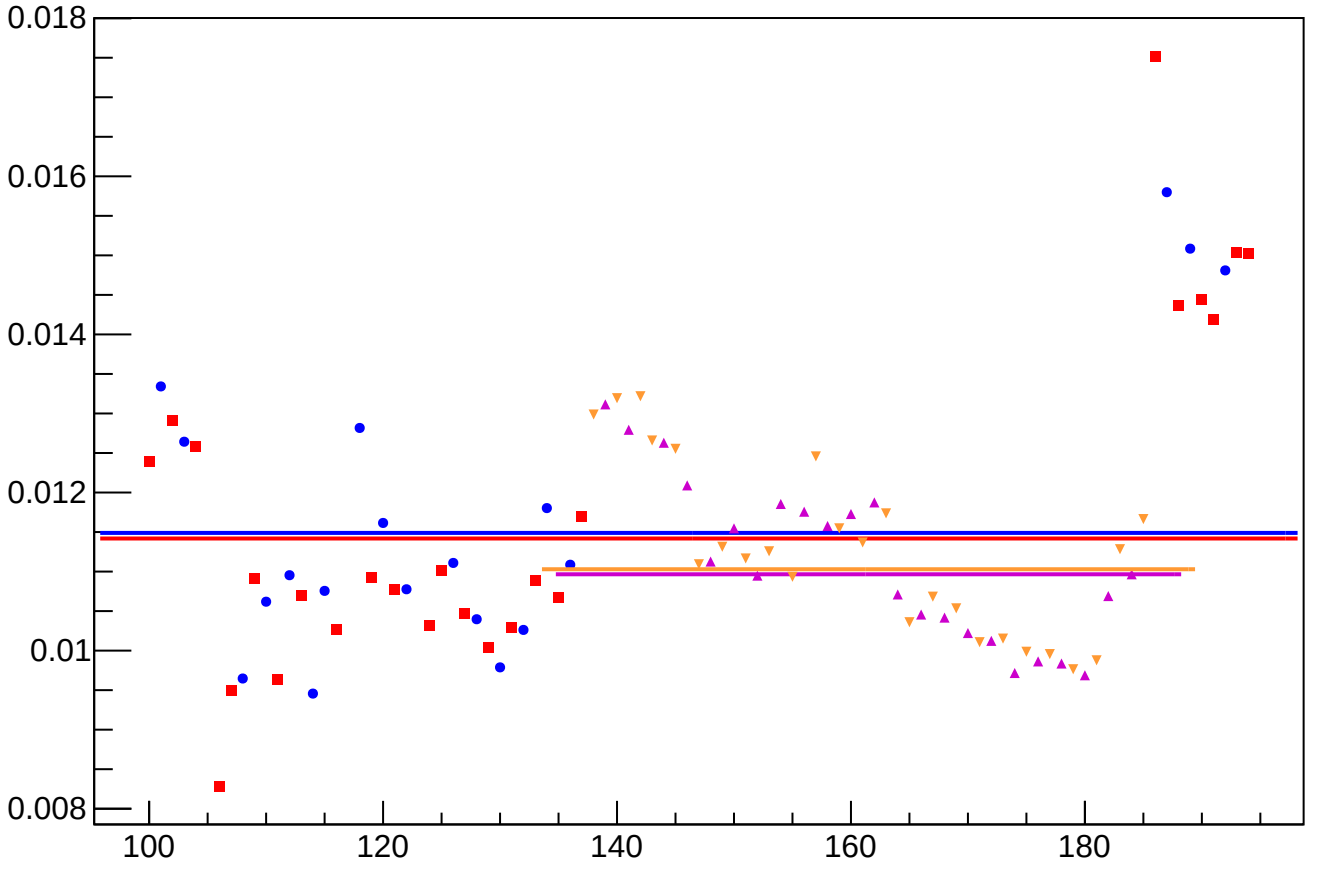
Right: 0.958+/-0.000 χ^2/NDF: 2885190343.9/43

In: 0.768+/-0.000 χ^2/NDF:10909857063.3/41

Out: 0.768+/-0.000 χ^2/NDF:15880395809.5/49

All: 0.768+/-0.000 χ^2/NDF: 26790255107.3/9

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 334187.3/18

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.011+/-0.000 χ^2/NDF: 610656.3/24

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

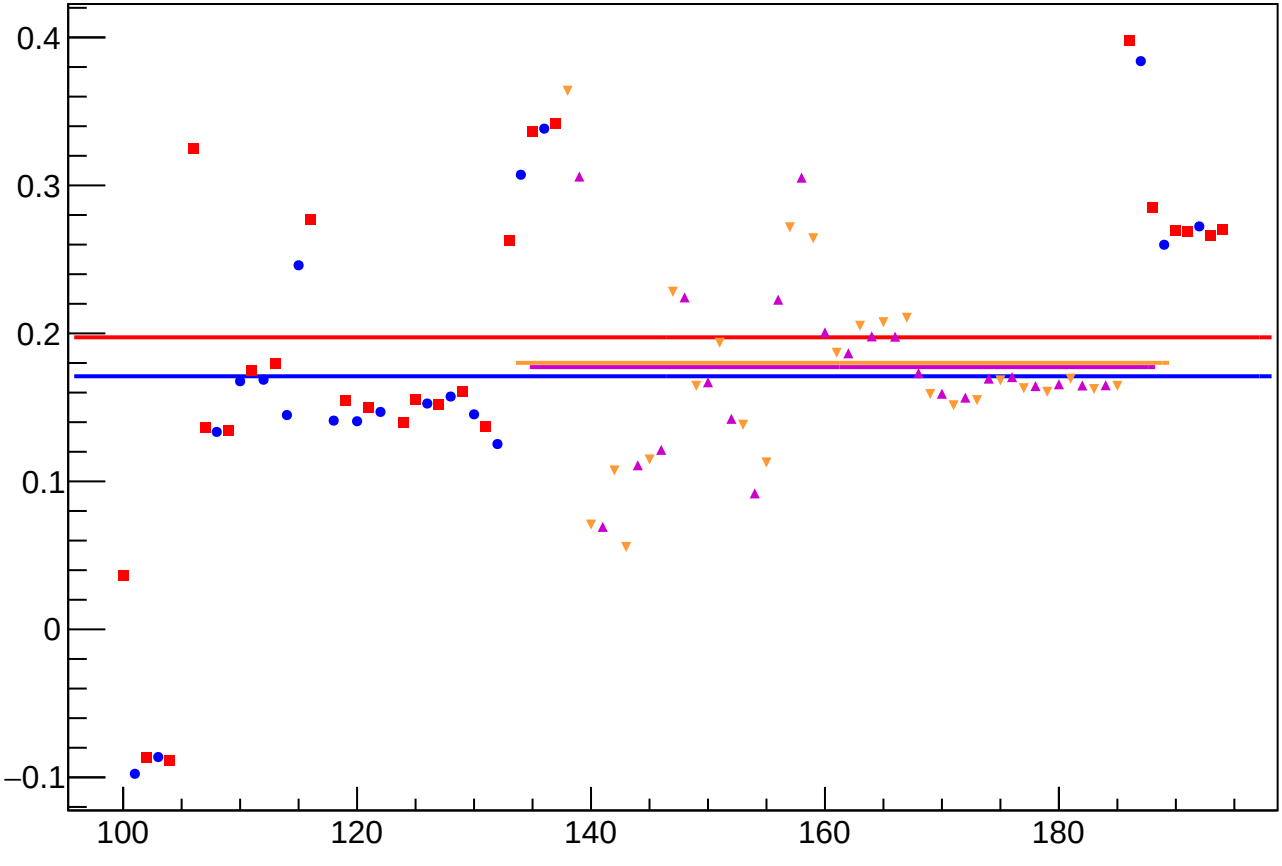
Right: 0.011+/-0.000 χ^2/NDF: 945197.1/43

In: 0.011+/-0.000 χ^2/NDF:646098.3/41

Out: 0.011+/-0.000 χ^2/NDF:925792.9/49

All: 0.011+/-0.000 χ^2/NDF: 1572197.6/91

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.171+/-0.000 χ^2/NDF: 9121403196.6/18

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.197+/-0.000 χ^2/NDF: 9398218742.6/24

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

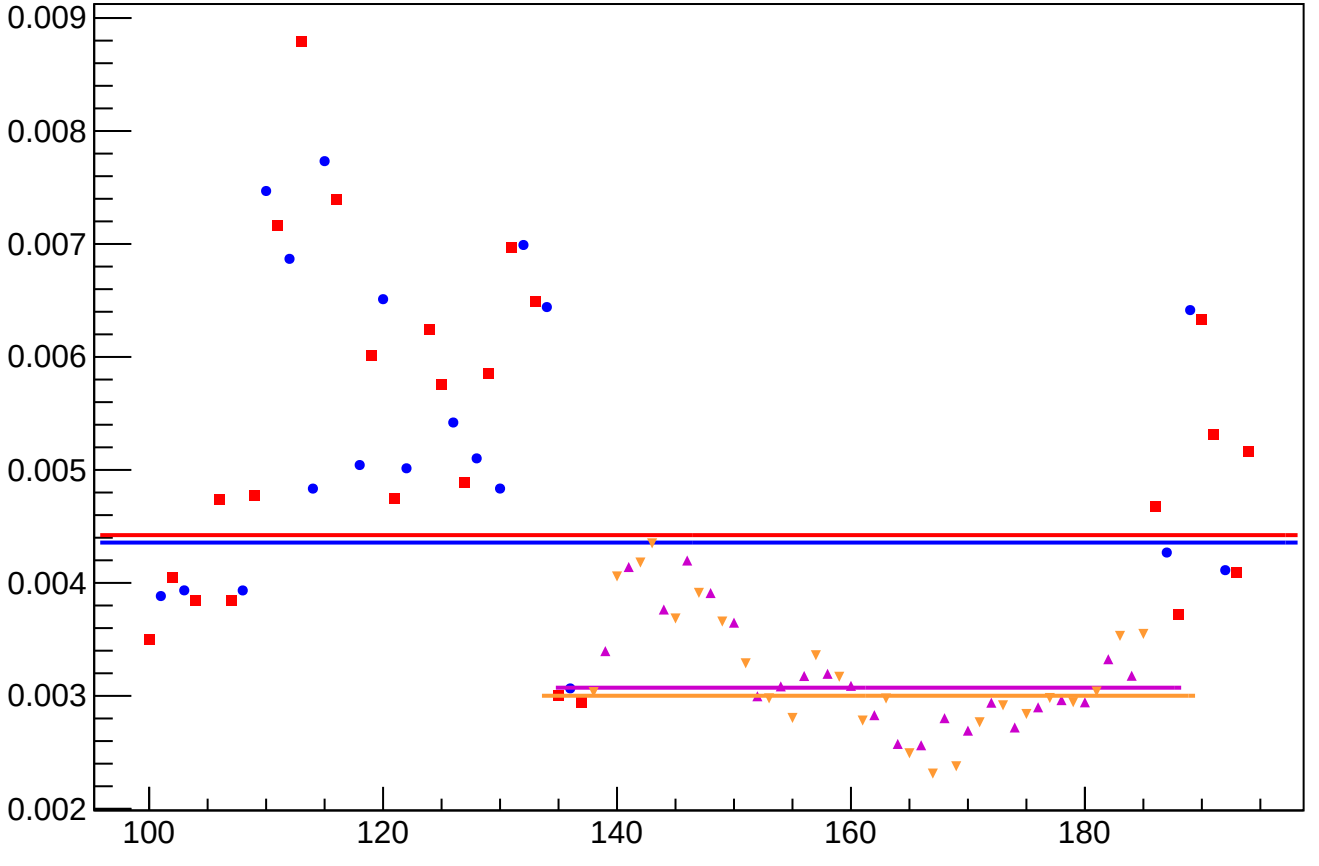
Right: 0.185+/-0.000 χ^2/NDF: 18663866357.6/43

In: 0.176+/-0.000 χ^2/NDF:13754275768.0/41

Out: 0.183+/-0.000 χ^2/NDF:15957387579.9/49

All: 0.180+/-0.000 χ^2/NDF: 29771739037.3/9

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 989278.8/18

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1253845.6/24

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

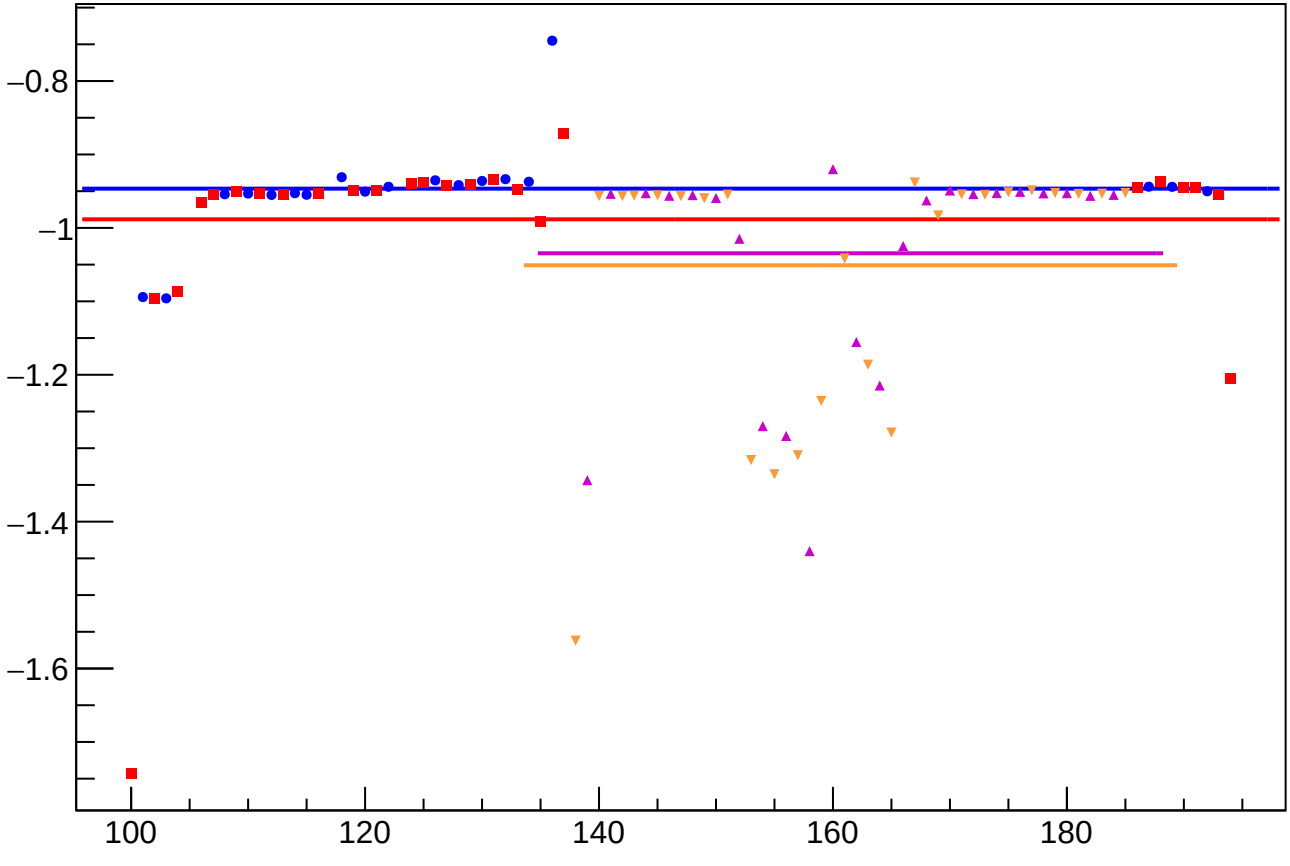
Right: 0.004+/-0.000 χ^2/NDF: 2244931.8/43

In: 0.003+/-0.000 χ^2/NDF:2613427.6/41

Out: 0.003+/-0.000 χ^2/NDF:3643862.2/49

All: 0.003+/-0.000 χ^2/NDF: 6259279.3/91

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.947+/-0.000 χ^2/NDF: 404606864.6/18

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -0.988+/-0.000 χ^2/NDF: 760459713.9/24

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

Left: -1.043+/-0.000 χ^2/NDF: 9032853026.0/47

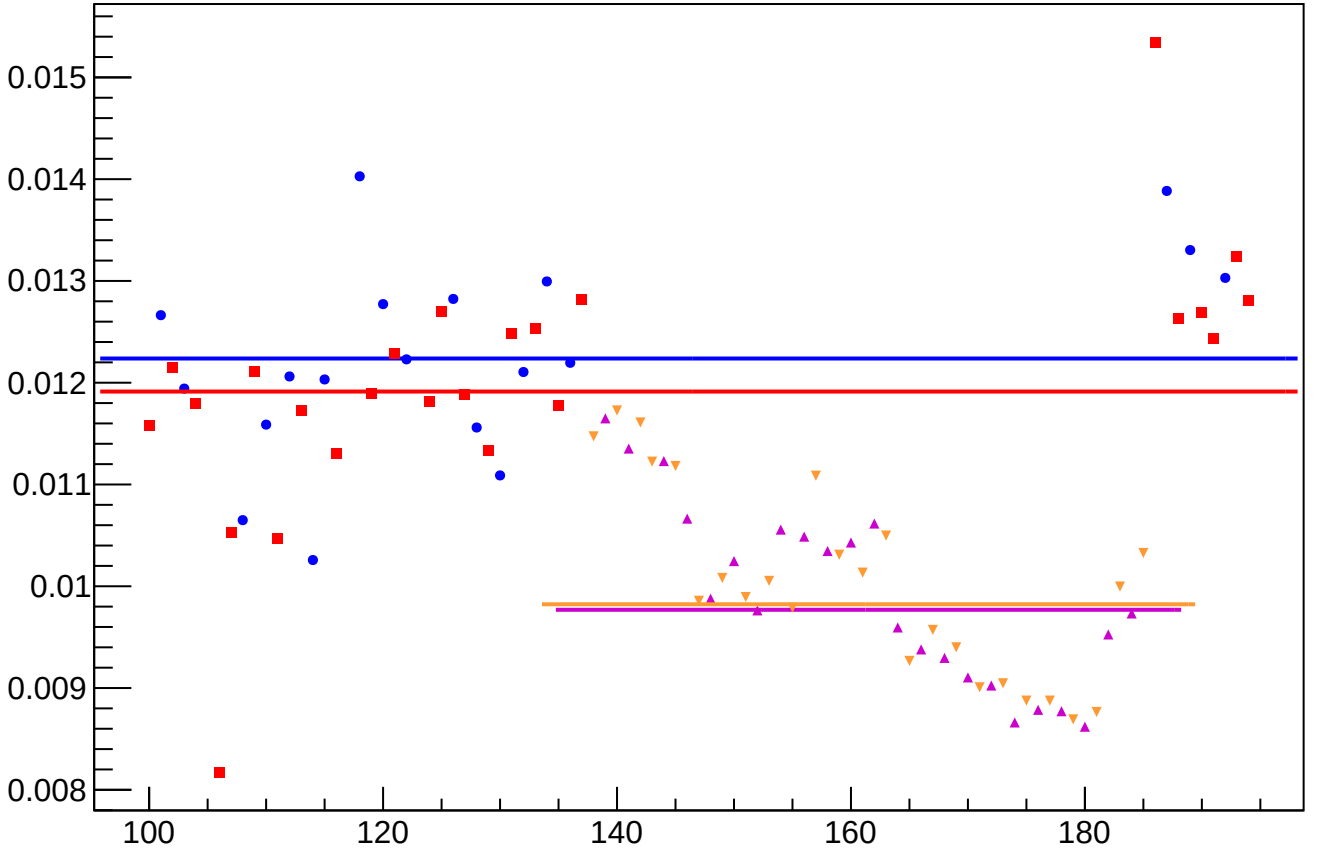
Right: -0.970+/-0.000 χ^2/NDF: 1221513687.6/43

In: -1.014+/-0.000 χ^2/NDF:4666317775.2/41

Out: -1.033+/-0.000 χ^2/NDF:6054233454.4/49

All: -1.024+/-0.000 χ^2/NDF: 10768402227.2/

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 84409.8/18

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 241092.2/24

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

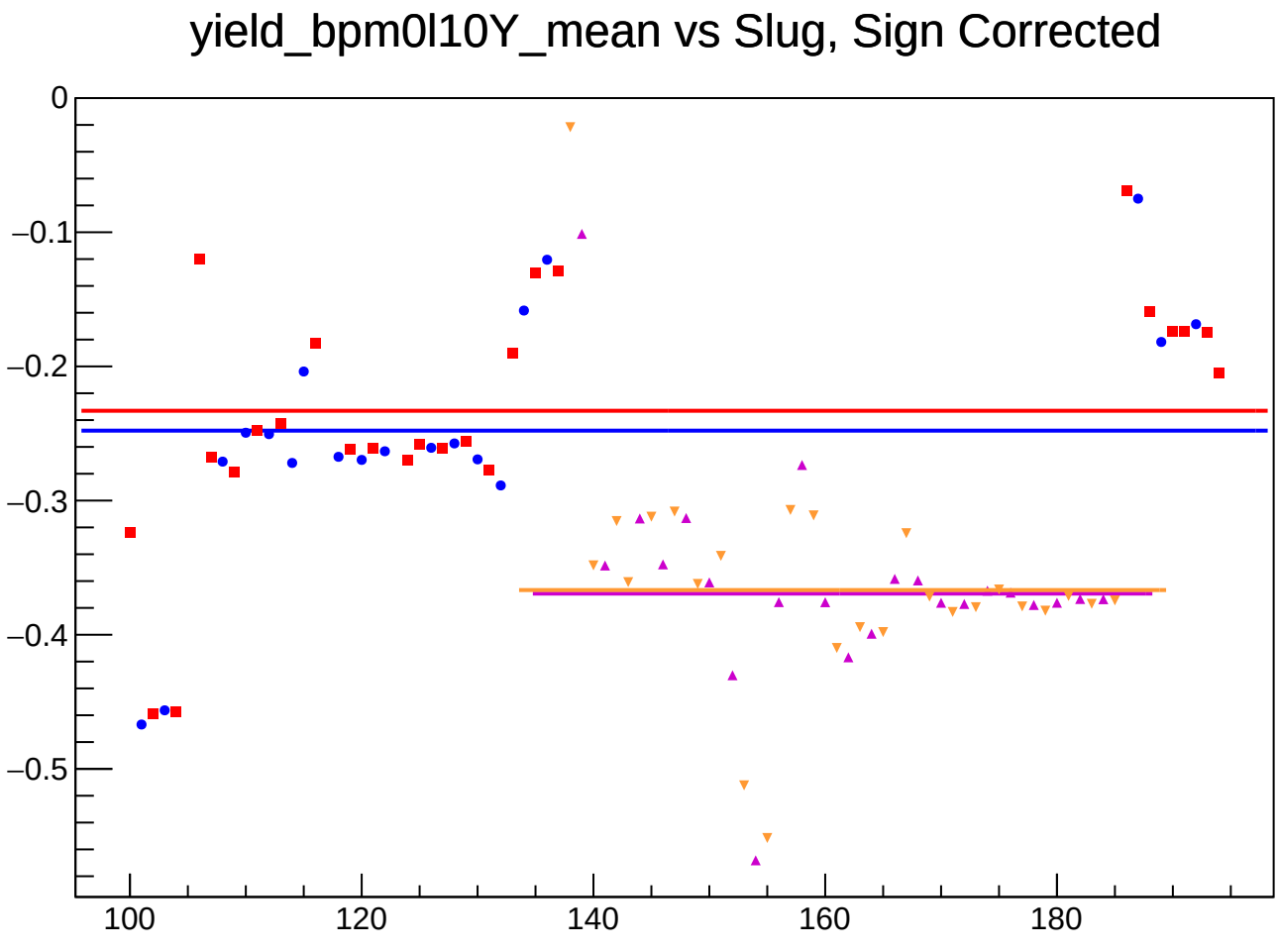
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

Right: 0.012+/-0.000 χ^2/NDF: 332323.6/43

In: 0.010+/-0.000 χ^2/NDF:895075.1/41

Out: 0.010+/-0.000 χ^2/NDF:1007450.2/49

All: 0.010+/-0.000 χ^2/NDF: 1903466.2/91



Right In: -0.248+/-0.000 χ^2/NDF: 6890621172.5/18

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.233+/-0.000 χ^2/NDF: 6659405652.4/24

Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

Left: -0.368+/-0.000 χ^2/NDF: 19531807890.3/47

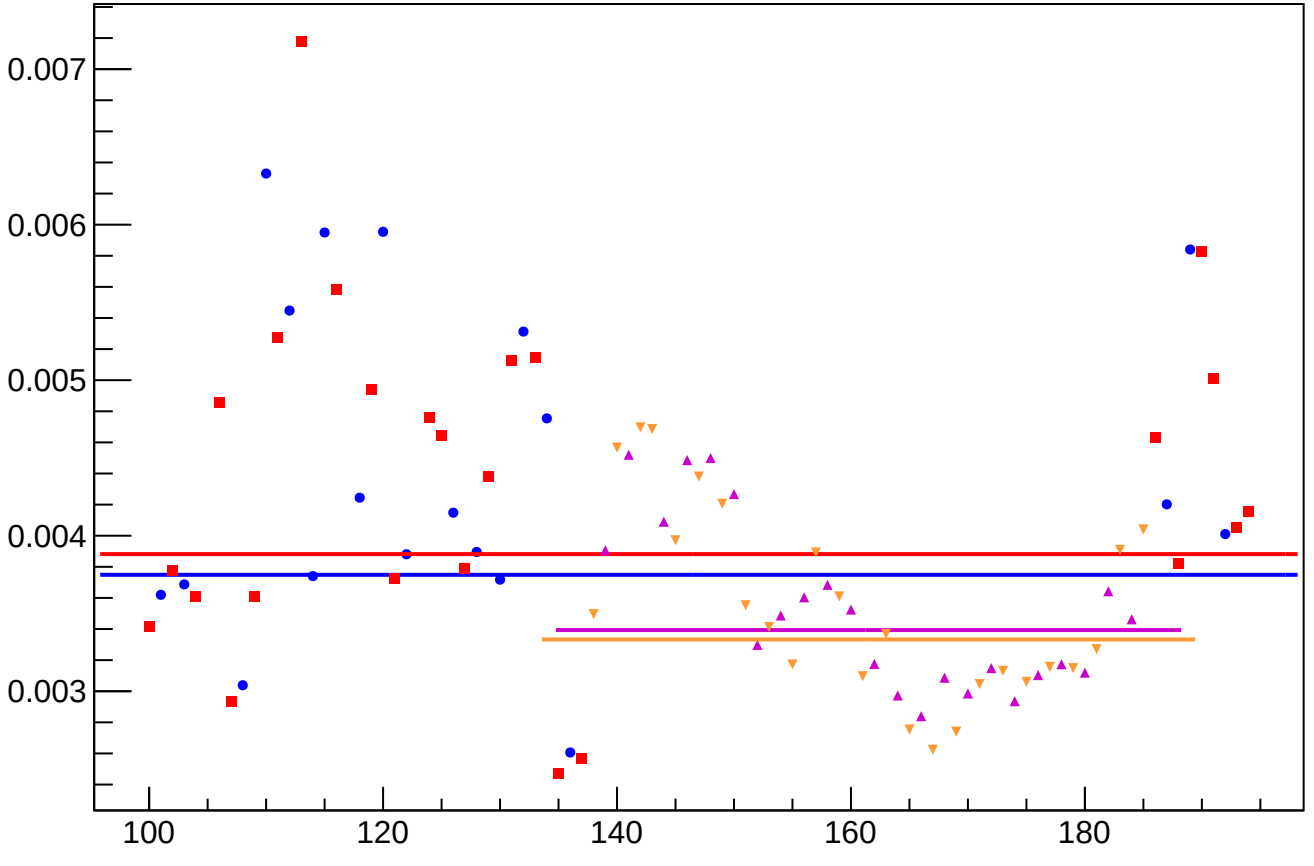
Right: -0.240+/-0.000 χ^2/NDF: 13611916049.8/43

In: -0.337+/-0.000 χ^2/NDF:20083474506.4/41

Out: -0.329+/-0.000 χ^2/NDF:26560874569.2/49

All: -0.333+/-0.000 χ^2/NDF: 46714790999.9/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 879610.4/18

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1035651.2/24

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

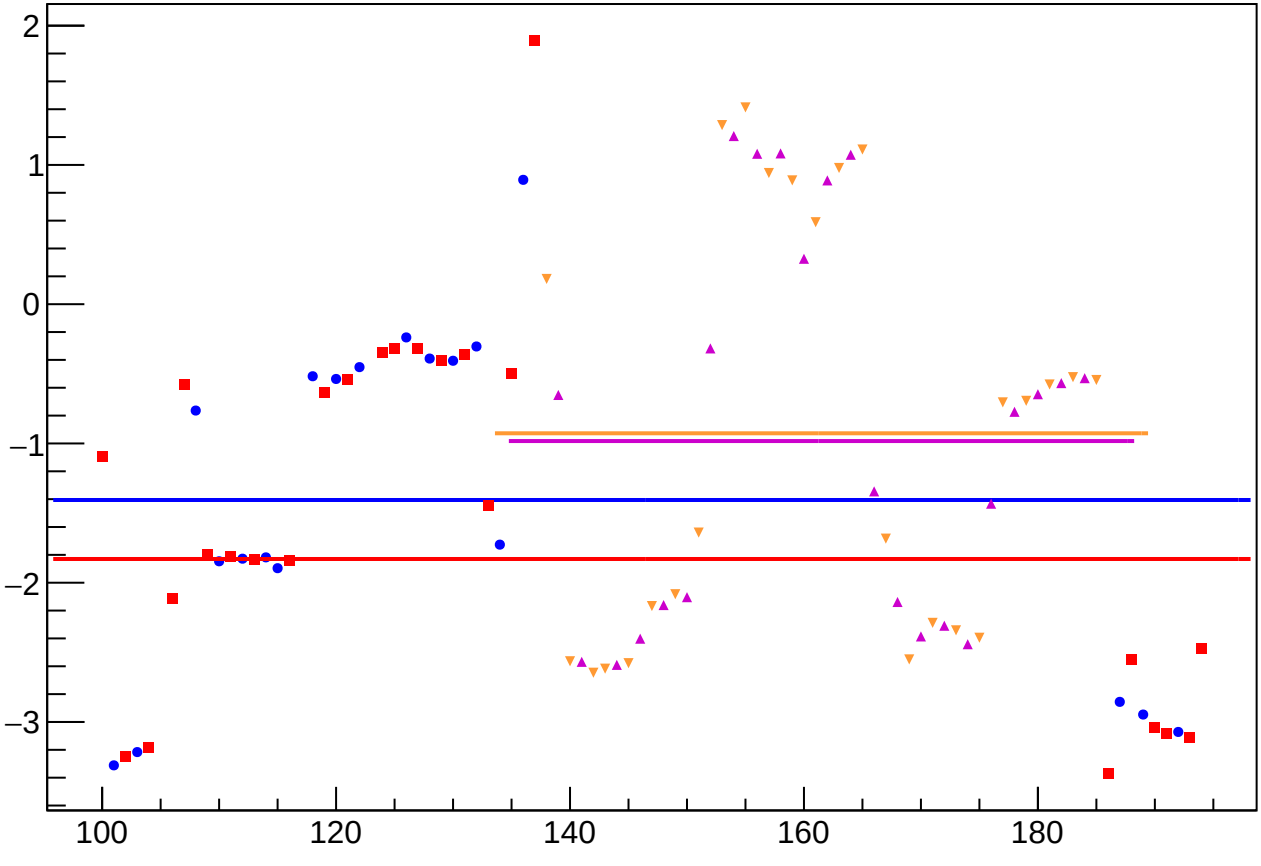
Right: 0.004+/-0.000 χ^2/NDF: 1925252.7/43

In: 0.003+/-0.000 χ^2/NDF:1609283.1/41

Out: 0.003+/-0.000 χ^2/NDF:2161891.4/49

All: 0.003+/-0.000 χ^2/NDF: 3771174.9/91

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.406+/-0.000 χ^2/NDF: 3307178932.5/18

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.830+/-0.000 χ^2/NDF: 3018147609.1/24

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

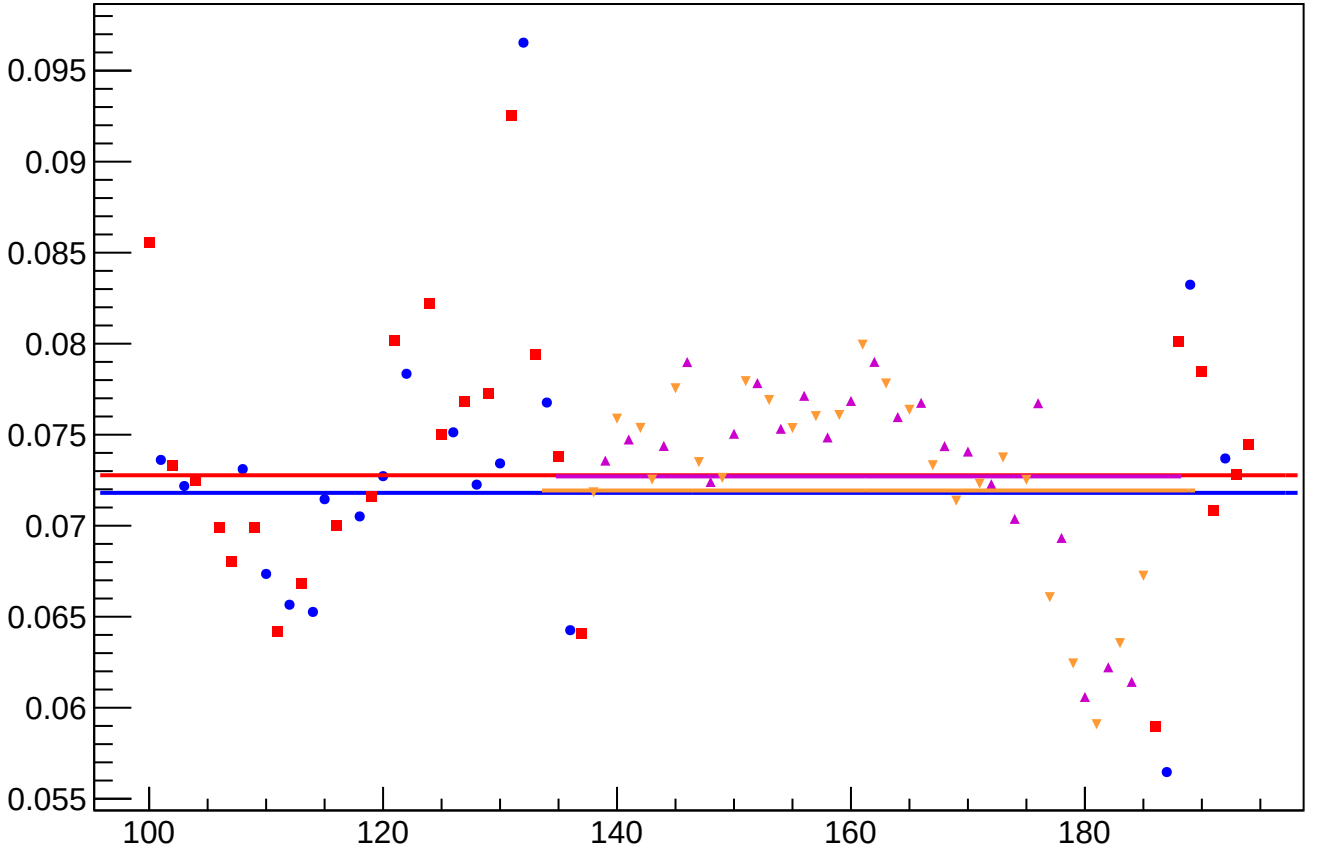
Right: -1.639+/-0.000 χ^2/NDF: 6490669183.0/43

In: -1.123+/-0.000 χ^2/NDF:9427048428.1/41

Out: -1.250+/-0.000 χ^2/NDF:11336938947.7/49

All: -1.190+/-0.000 χ^2/NDF: 20807669885.8/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 148005.5/18

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

Right Out: 0.073+/-0.000 χ^2/NDF: 161335.9/24

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

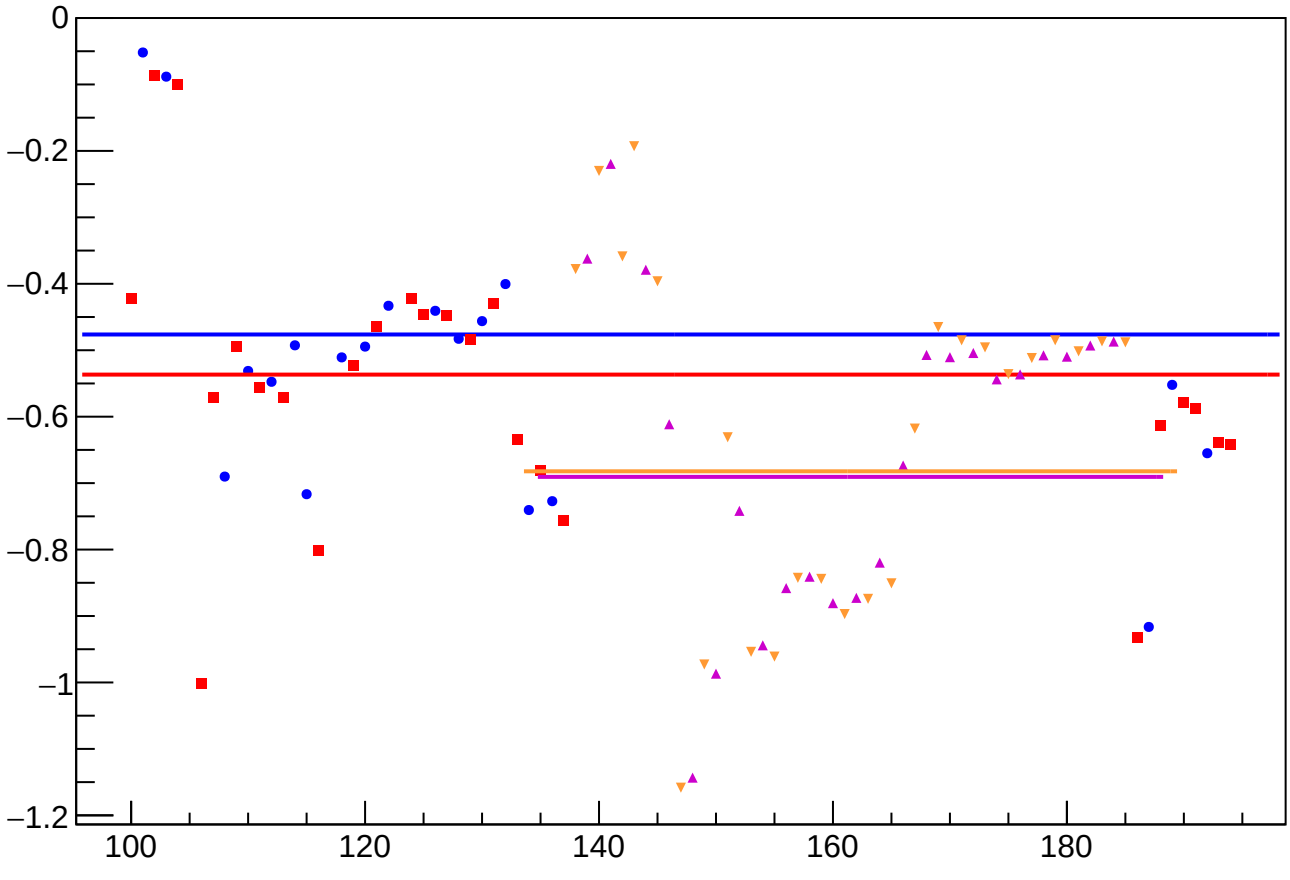
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.072+/-0.000 χ^2/NDF: 311063.0/43

In: 0.072+/-0.000 χ^2/NDF:346847.7/41

Out: 0.072+/-0.000 χ^2/NDF:398711.6/49

All: 0.072+/-0.000 χ^2/NDF: 745724.8/91



Right In: -0.476+/-0.000 χ^2/NDF: 3838570940.5/18

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.537+/-0.000 χ^2/NDF: 4528732796.0/24

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

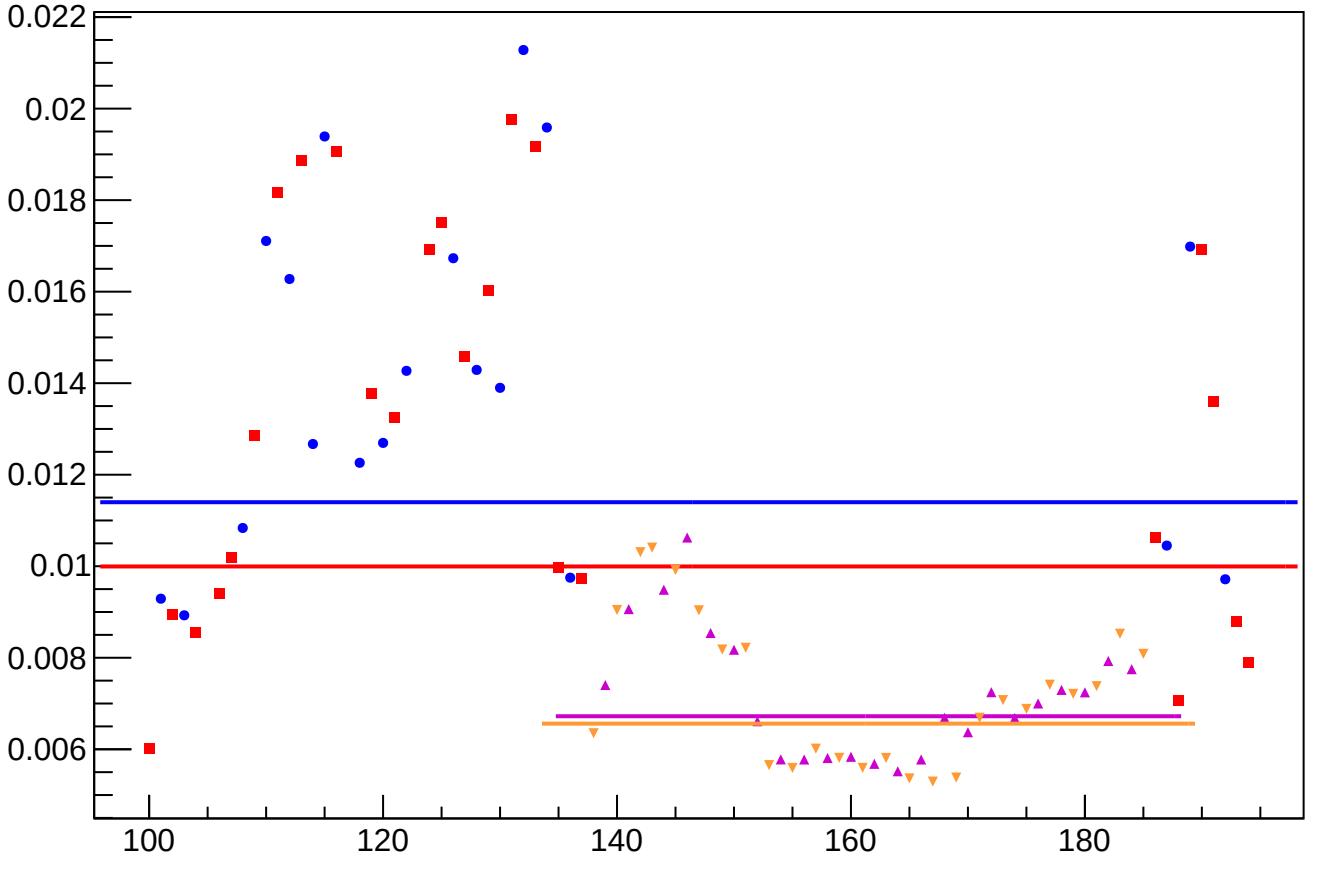
Right: -0.513+/-0.000 χ^2/NDF: 8494142813.0/43

In: -0.662+/-0.000 χ^2/NDF:22991760130.9/41

Out: -0.656+/-0.000 χ^2/NDF:27886416178.4/49

All: -0.659+/-0.000 χ^2/NDF: 50884706491.2/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 956148.2/18

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.010+/-0.000 χ^2/NDF: 1909565.4/24

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

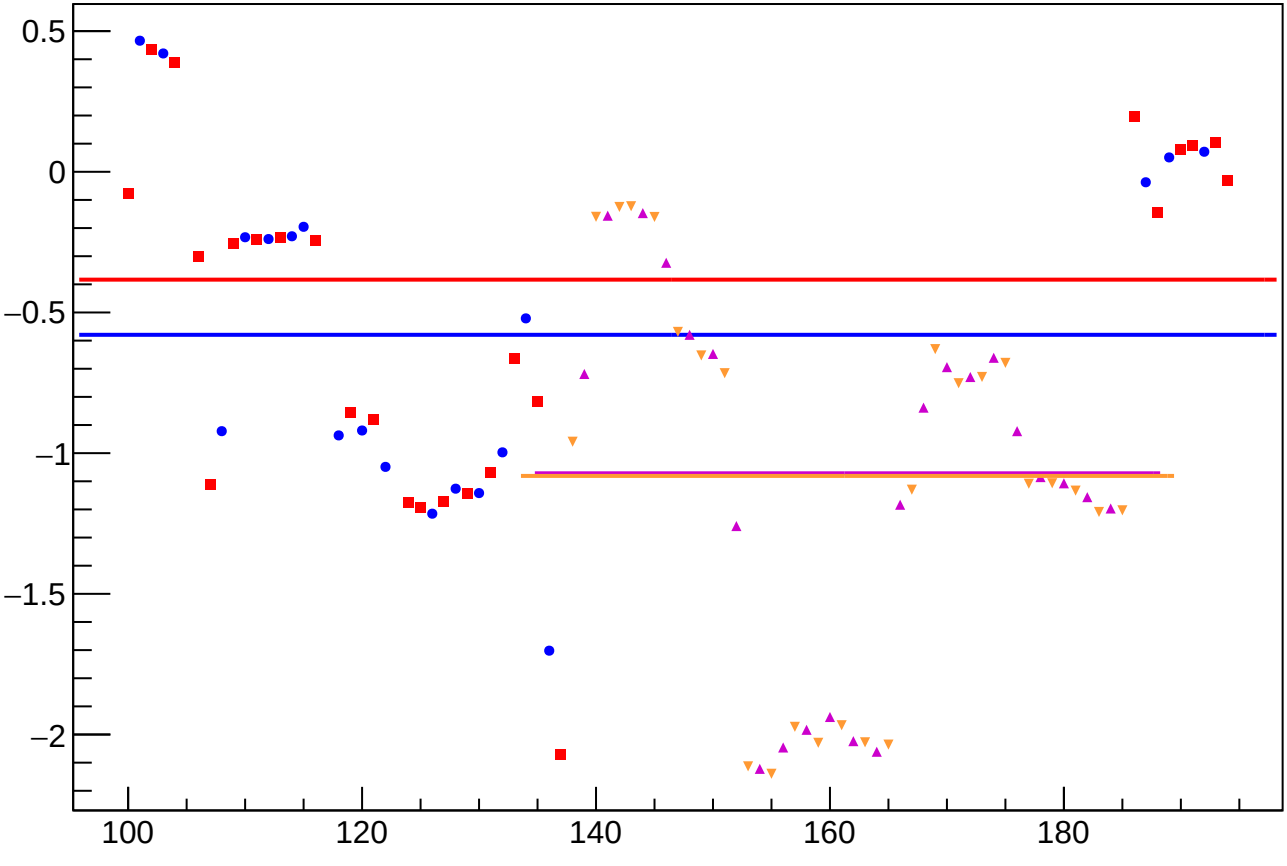
Right: 0.011+/-0.000 χ^2/NDF: 3002882.6/43

In: 0.007+/-0.000 χ^2/NDF:4093966.0/41

Out: 0.007+/-0.000 χ^2/NDF:5022678.6/49

All: 0.007+/-0.000 χ^2/NDF: 9131870.1/91

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.579+/-0.000 χ^2/NDF: 537590768.4/18

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.383+/-0.000 χ^2/NDF: 468365345.0/24

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

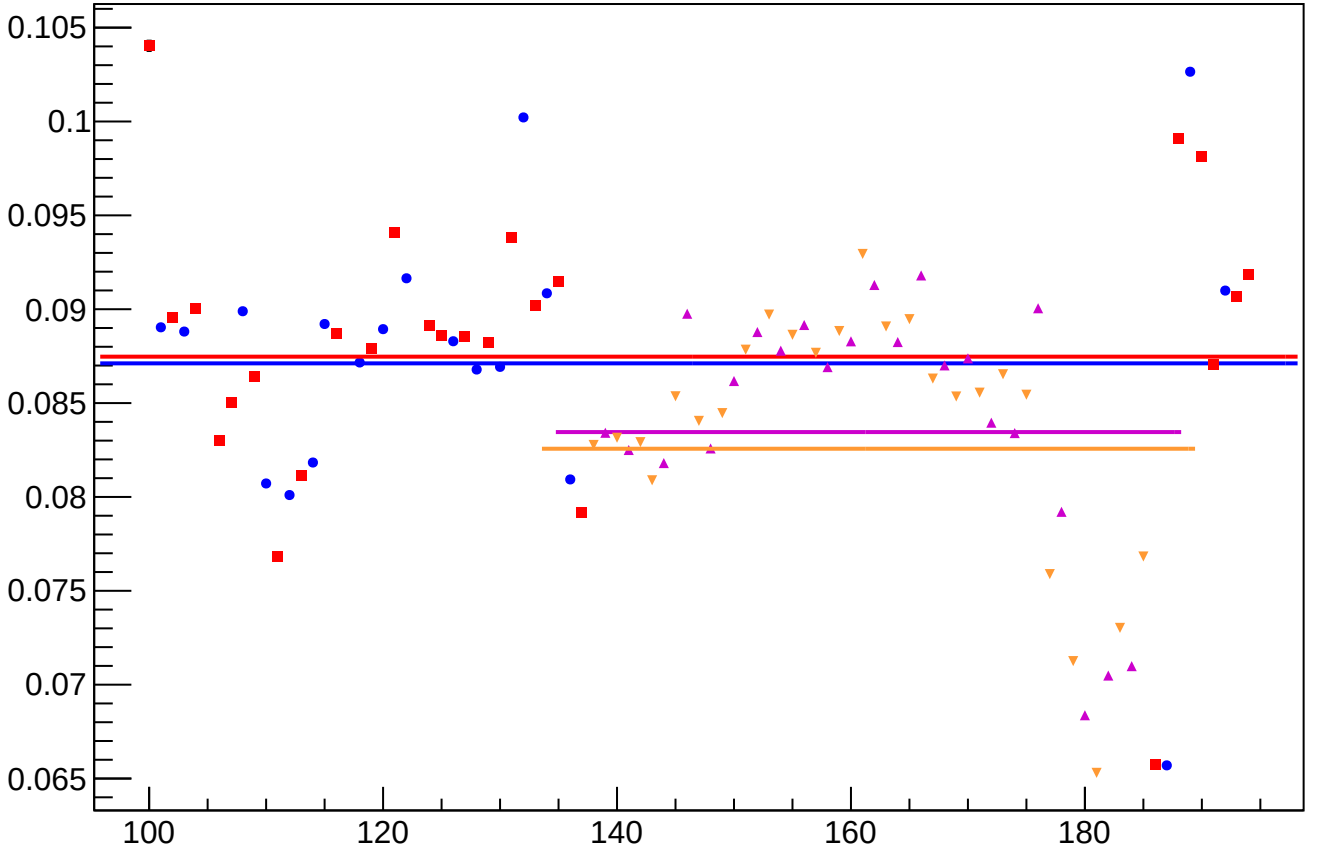
Right: -0.471+/-0.000 χ^2/NDF: 1030675185.6/43

In: -0.919+/-0.000 χ^2/NDF:1707736407.8/41

Out: -0.844+/-0.000 χ^2/NDF:2083445386.5/49

All: -0.880+/-0.000 χ^2/NDF: 3802448215.4/9

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 111039.6/18

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.087+/-0.000 χ^2/NDF: 175795.5/24

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

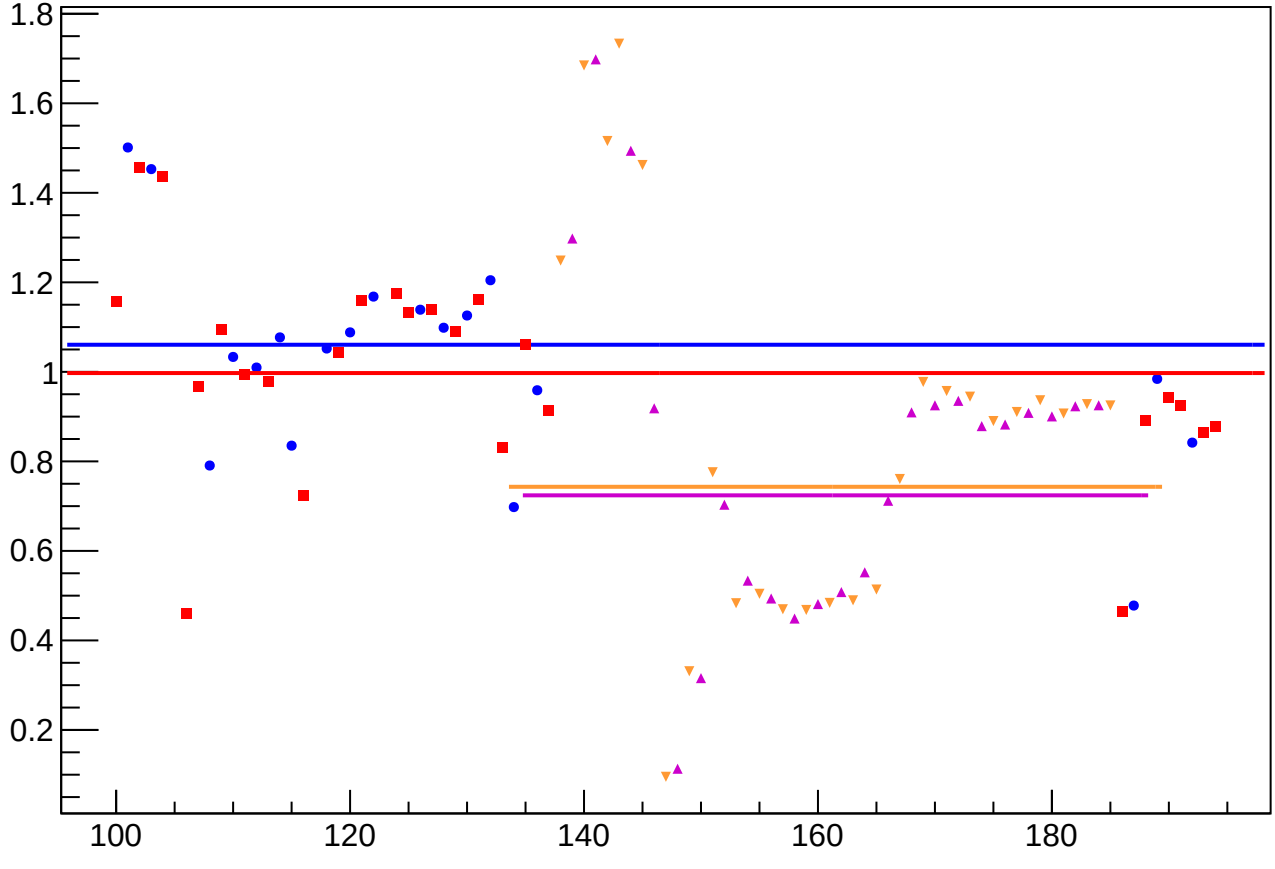
Right: 0.087+/-0.000 χ^2/NDF: 286998.8/43

In: 0.085+/-0.000 χ^2/NDF:370965.9/41

Out: 0.084+/-0.000 χ^2/NDF:512679.7/49

All: 0.084+/-0.000 χ^2/NDF: 884148.2/91

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.061+/-0.000 χ^2/NDF: 2122233700.6/18

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 0.997+/-0.000 χ^2/NDF: 2758836720.9/24

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

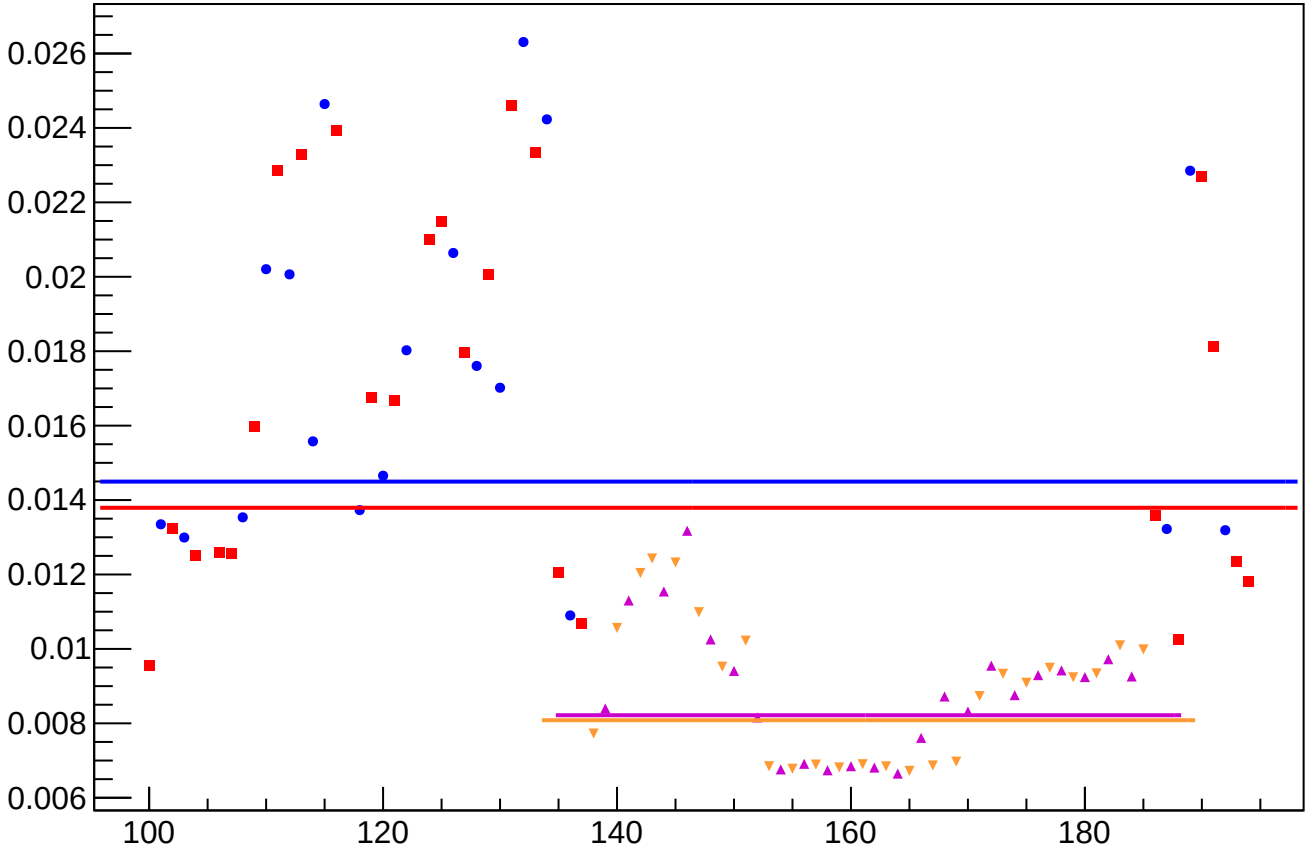
Right: 1.024+/-0.000 χ^2/NDF: 4962753248.9/43

In: 0.766+/-0.000 χ^2/NDF:31299520769.7/41

Out: 0.781+/-0.000 χ^2/NDF:37968959868.9/49

All: 0.774+/-0.000 χ^2/NDF: 69301968342.4/9

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 865668.5/18

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.014+/-0.000 χ^2/NDF: 1340532.2/24

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

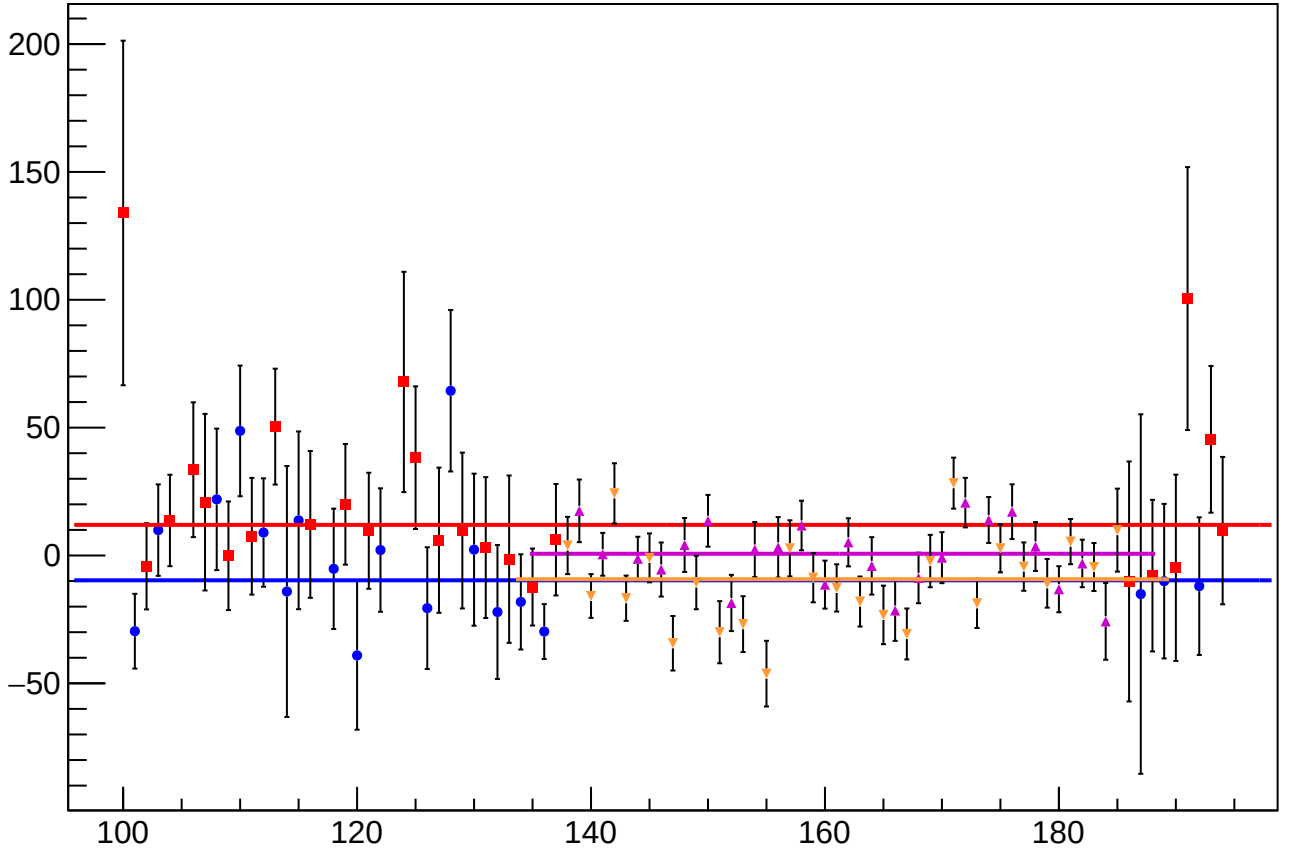
Right: 0.014+/-0.000 χ^2/NDF: 2226404.8/43

In: 0.009+/-0.000 χ^2/NDF:4446847.0/41

Out: 0.009+/-0.000 χ^2/NDF:5400418.5/49

All: 0.009+/-0.000 χ^2/NDF: 9848592.8/91

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.710+/-5.103 χ^2/NDF: 21.9/18

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: 11.967+/-5.114 χ^2/NDF: 19.1/24

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

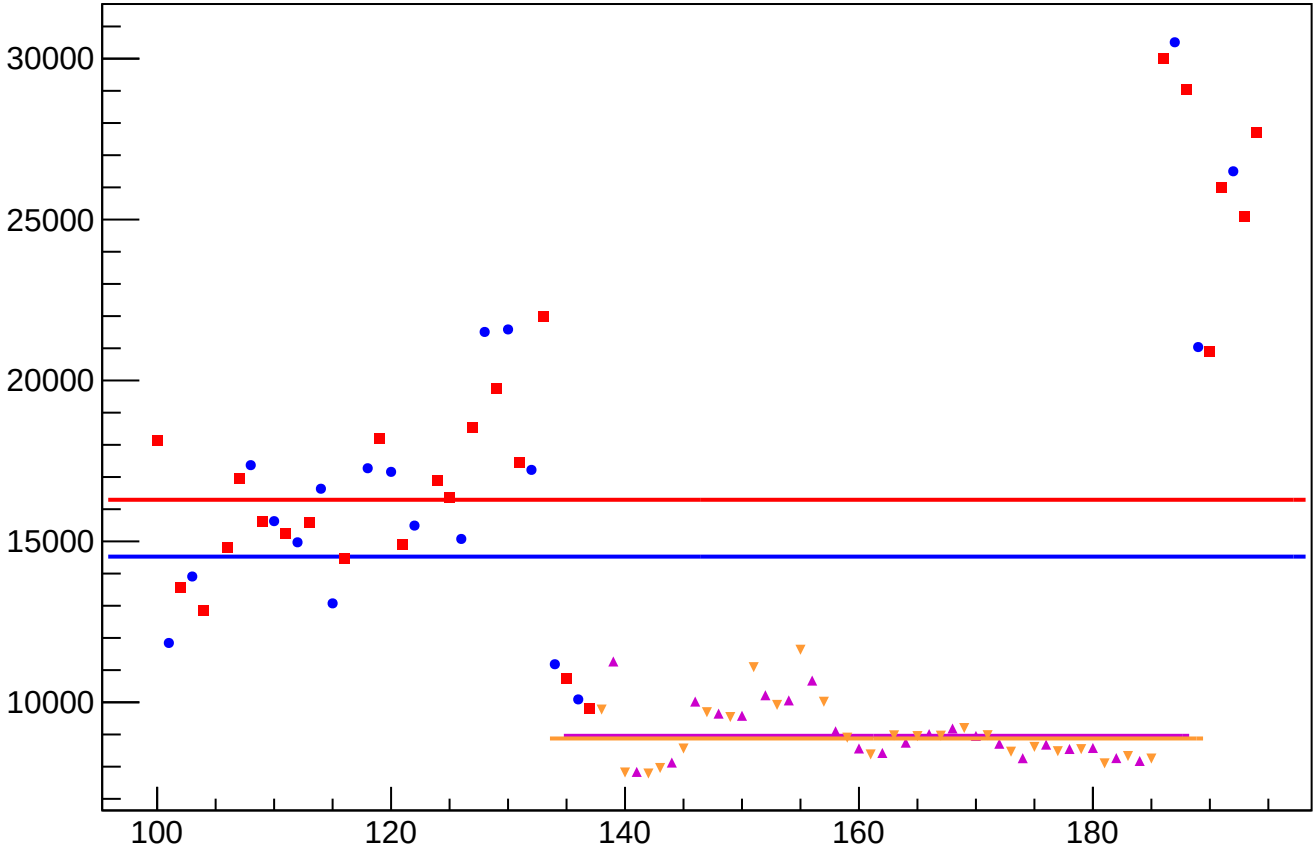
Right: 1.105+/-3.612 χ^2/NDF: 50.0/43

In: -0.833+/-1.945 χ^2/NDF:54.9/41

Out: -6.396+/-1.887 χ^2/NDF:95.2/49

All: -3.699+/-1.355 χ^2/NDF: 154.3/91

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14526.790+/-3.608 χ^2/NDF: 1380209.5/18

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 16292.851+/-3.616 χ^2/NDF: 1868020.1/24

Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

Left: 8915.664+/-1.033 χ^2/NDF: 650301.9/47

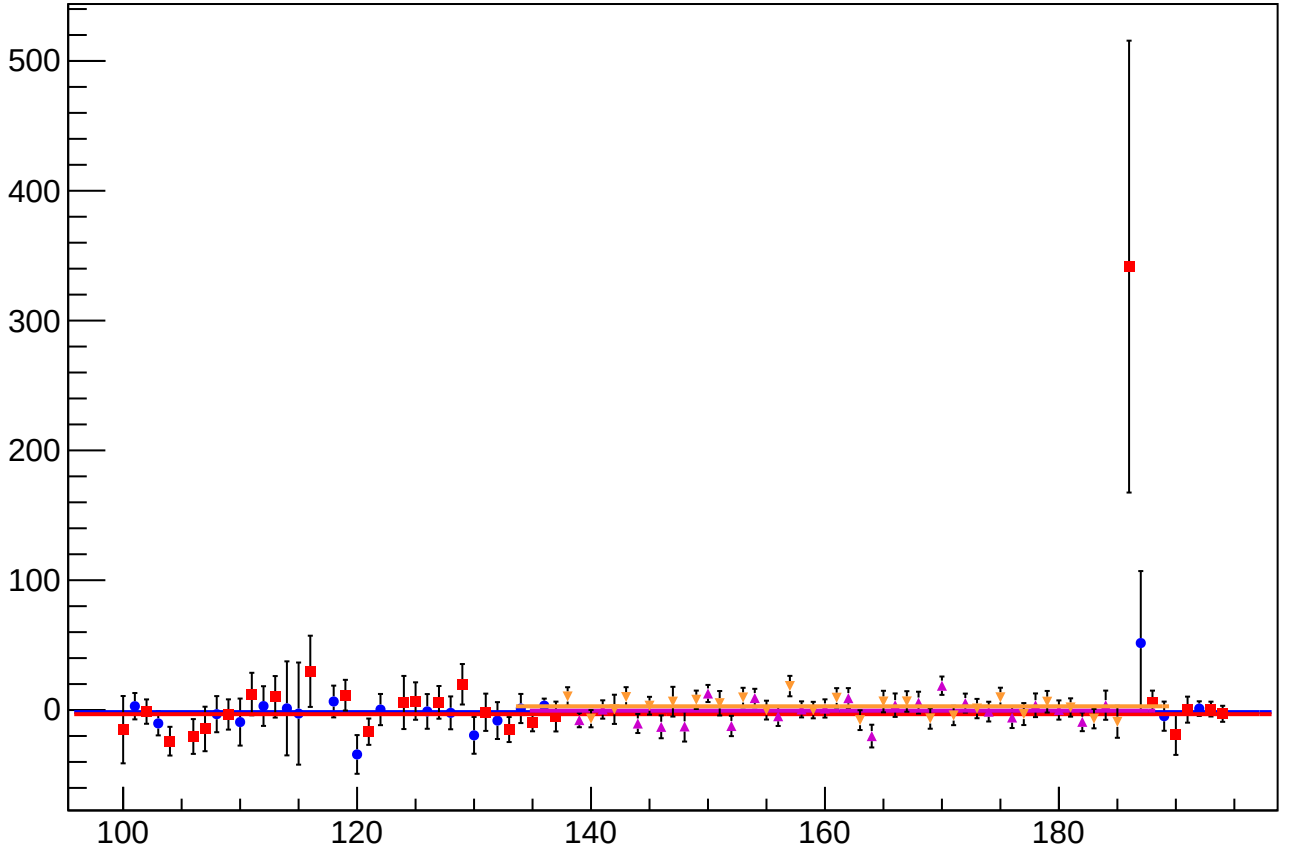
Right: 15407.864+/-2.554 χ^2/NDF: 3367744.4/43

In: 9767.856+/-1.376 χ^2/NDF:3717206.2/41

Out: 9885.707+/-1.334 χ^2/NDF:5848987.7/49

All: 9828.565+/-0.958 χ^2/NDF: 9569975.3/91

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -1.604+/-2.525 χ^2/NDF: 10.6/18

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: -3.198+/-2.201 χ^2/NDF: 24.3/24

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

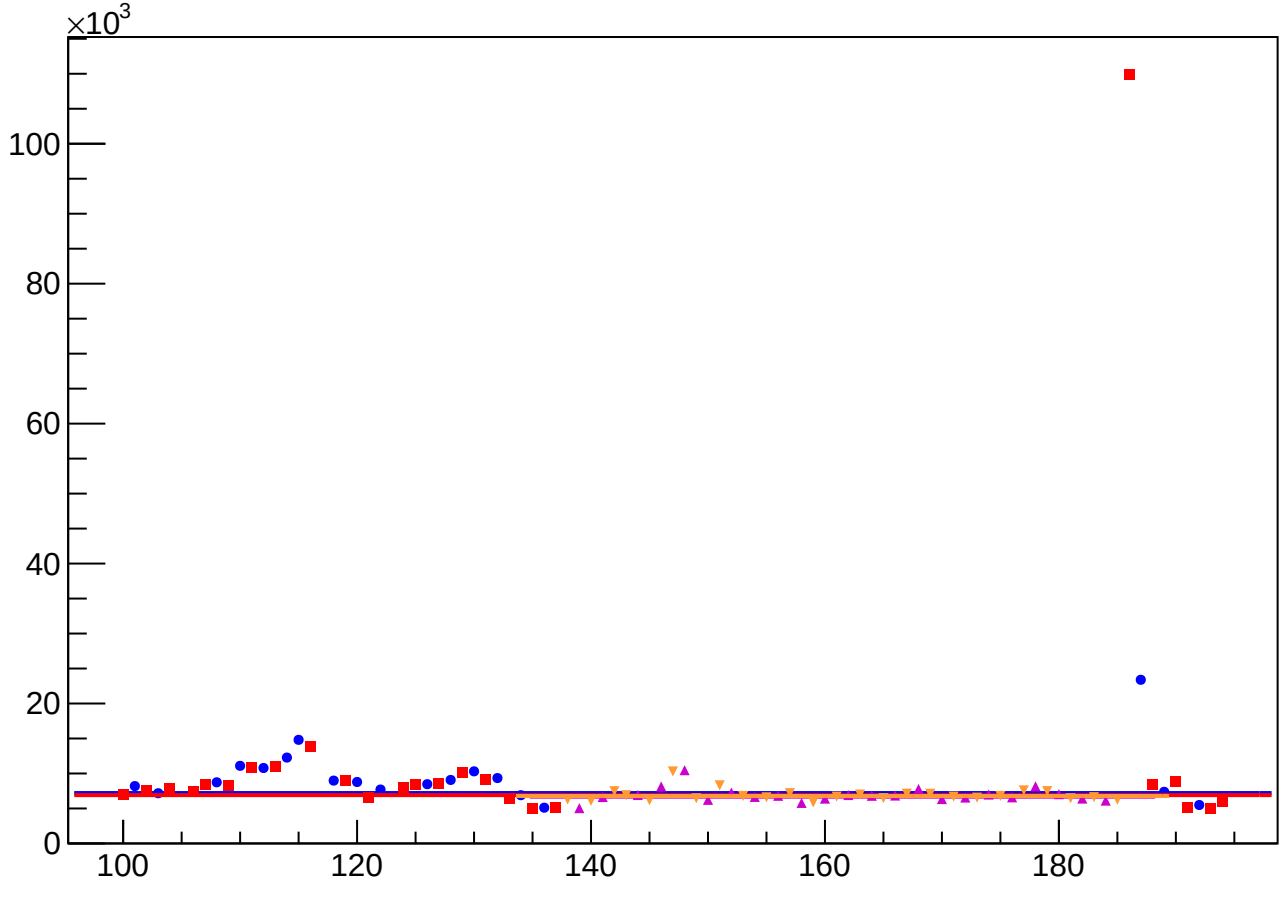
Right: -2.510+/-1.659 χ^2/NDF: 35.1/43

In: -0.779+/-1.340 χ^2/NDF:43.5/41

Out: 0.858+/-1.269 χ^2/NDF:48.8/49

All: 0.084+/-0.922 χ^2/NDF: 93.1/91

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7202.852+/-1.785 χ^2/NDF: 1284502.0/18

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

Right Out: 6907.581+/-1.556 χ^2/NDF: 2042676.8/24

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

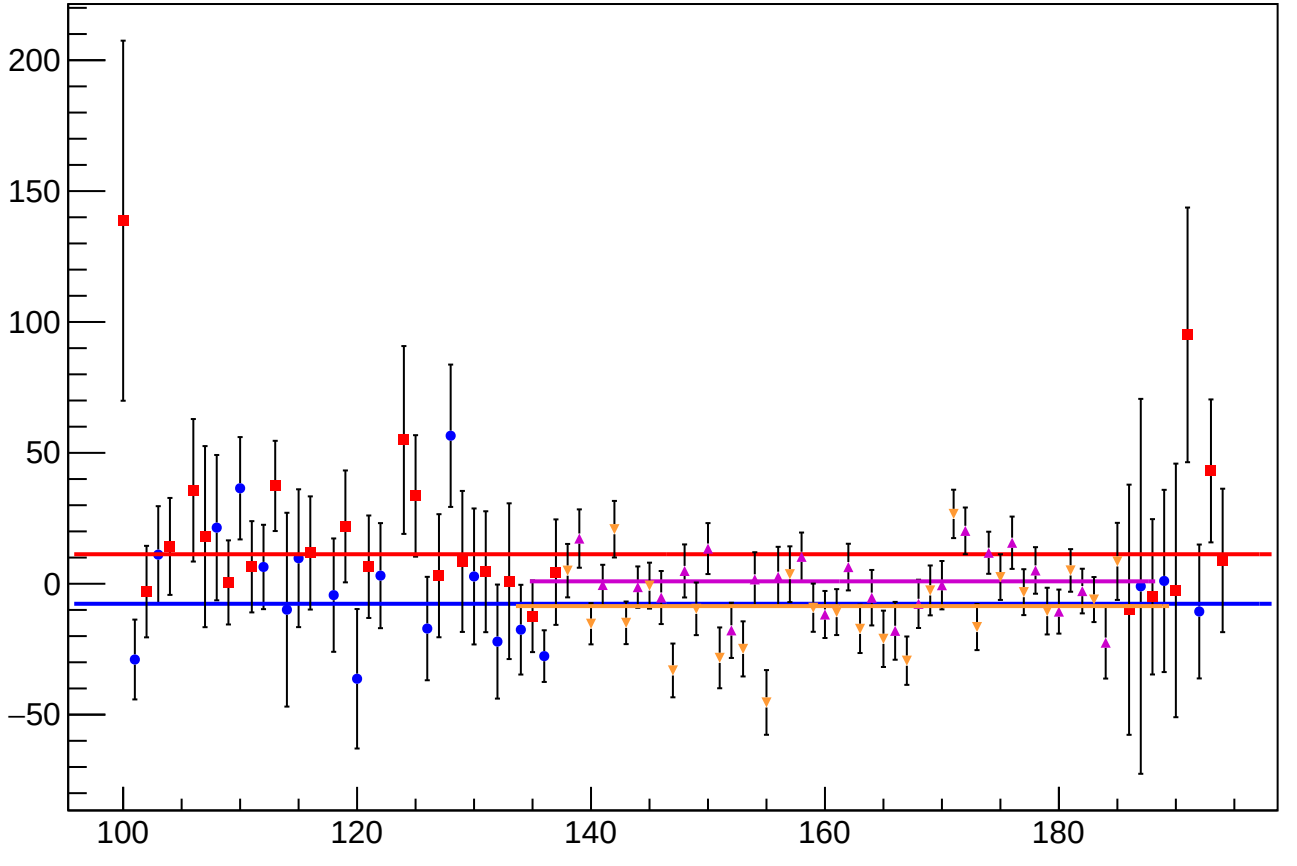
Right: 7035.084+/-1.173 χ^2/NDF: 3342723.2/43

In: 6834.204+/-0.948 χ^2/NDF:1964156.8/41

Out: 6820.259+/-0.898 χ^2/NDF:2447560.9/49

All: 6826.853+/-0.652 χ^2/NDF: 4411831.8/91

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.651+/-4.617 χ^2/NDF: 22.8/18

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: 11.275+/-4.574 χ^2/NDF: 18.9/24

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

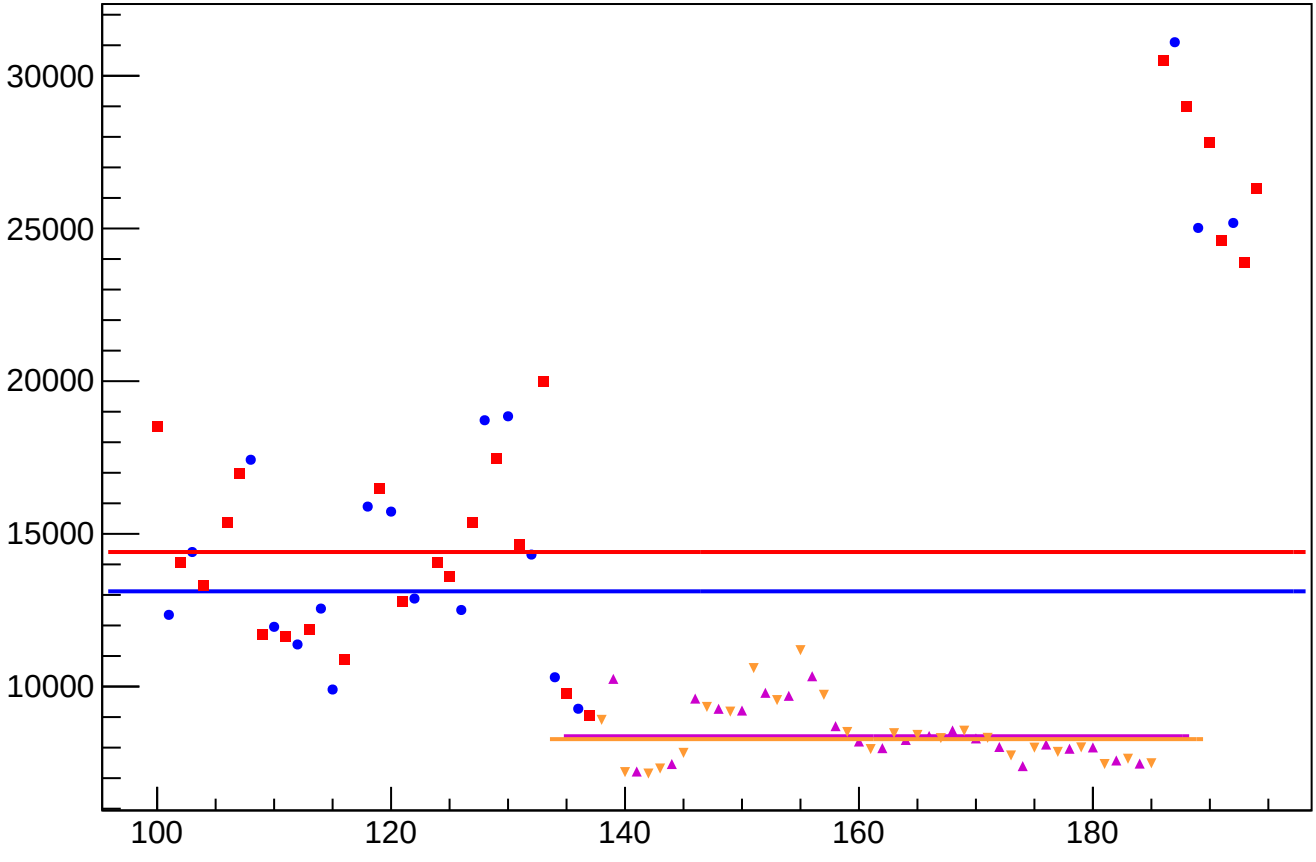
Right: 1.901+/-3.250 χ^2/NDF: 50.1/43

In: -0.399+/-1.811 χ^2/NDF:54.8/41

Out: -5.630+/-1.752 χ^2/NDF:96.8/49

All: -3.101+/-1.259 χ^2/NDF: 155.9/91

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 13118.086+/-3.265 χ^2/NDF: 1528699.5/18

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

Right Out: 14405.430+/-3.235 χ^2/NDF: 2308722.2/24

Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

Left: 8323.298+/-0.966 χ^2/NDF: 850375.1/47

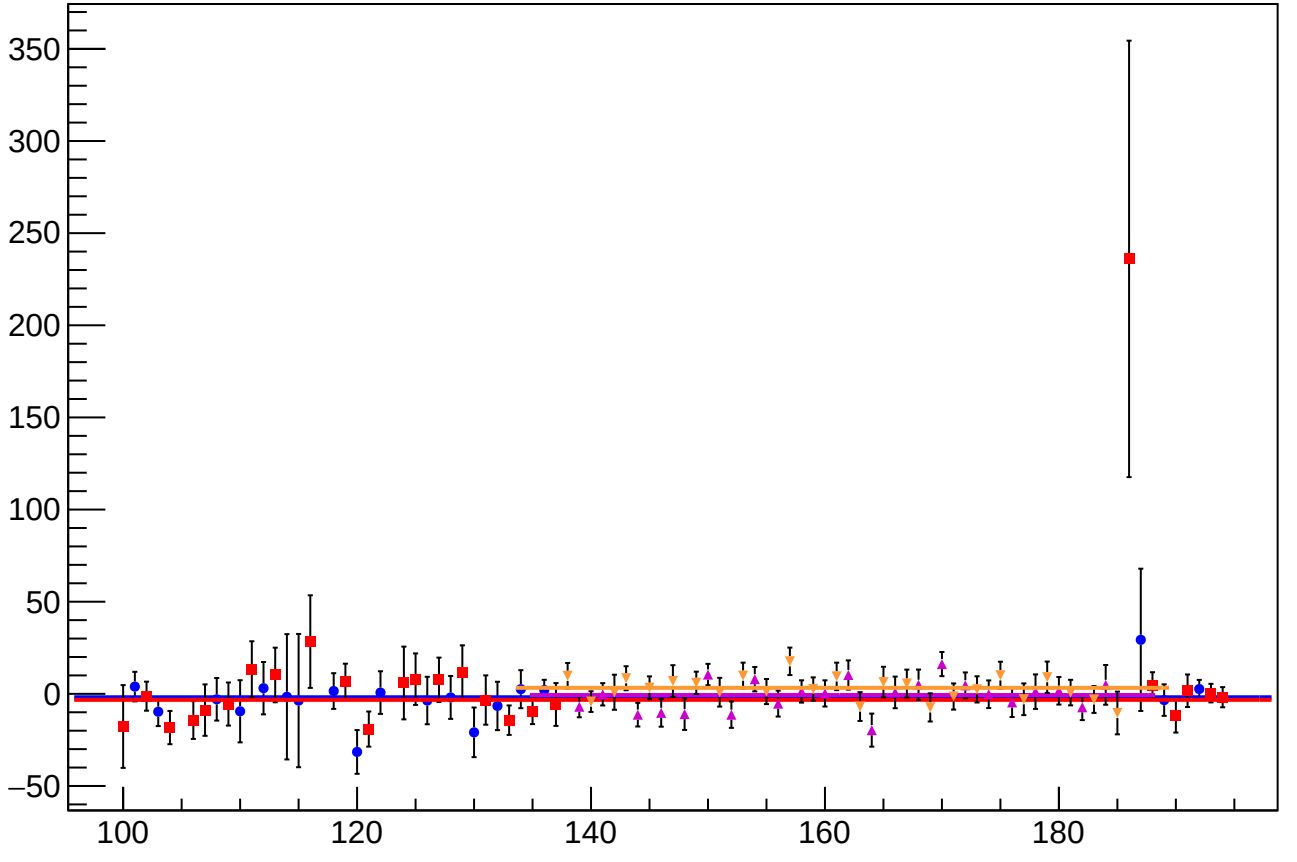
Right: 13767.770+/-2.298 χ^2/NDF: 3915881.1/43

In: 9102.519+/-1.281 χ^2/NDF:3709285.7/41

Out: 9176.662+/-1.239 χ^2/NDF:5826187.6/49

All: 9140.820+/-0.890 χ^2/NDF: 9537204.8/91

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.854+/-2.255 χ^2/NDF: 12.6/18

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: -3.258+/-1.925 χ^2/NDF: 24.5/24

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

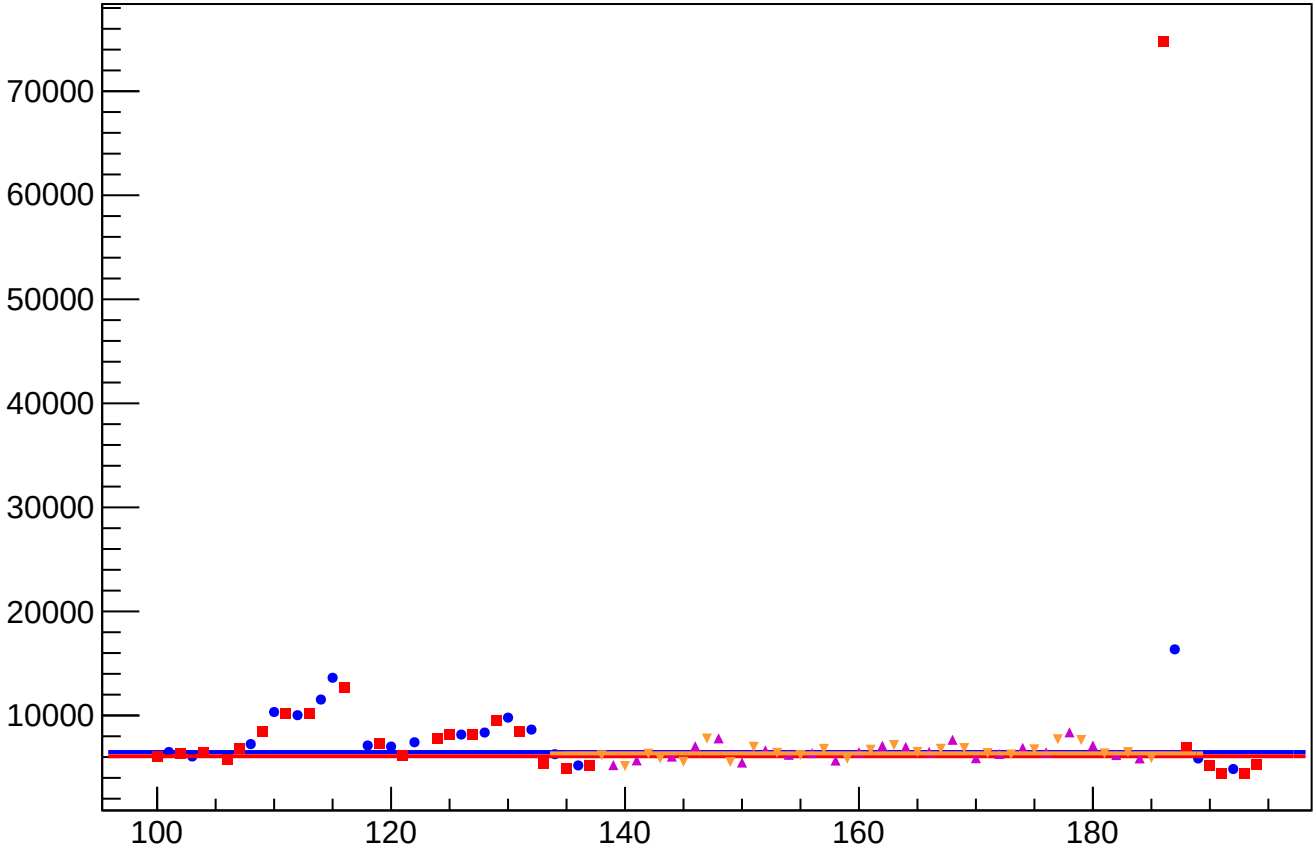
Right: -2.666+/-1.464 χ^2/NDF: 37.3/43

In: -1.016+/-1.249 χ^2/NDF:43.6/41

Out: 0.883+/-1.162 χ^2/NDF:49.4/49

All: 0.002+/-0.851 χ^2/NDF: 94.2/91

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6483.672+/-1.595 χ^2/NDF: 1117335.3/18

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 6080.841+/-1.361 χ^2/NDF: 1999775.0/24

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

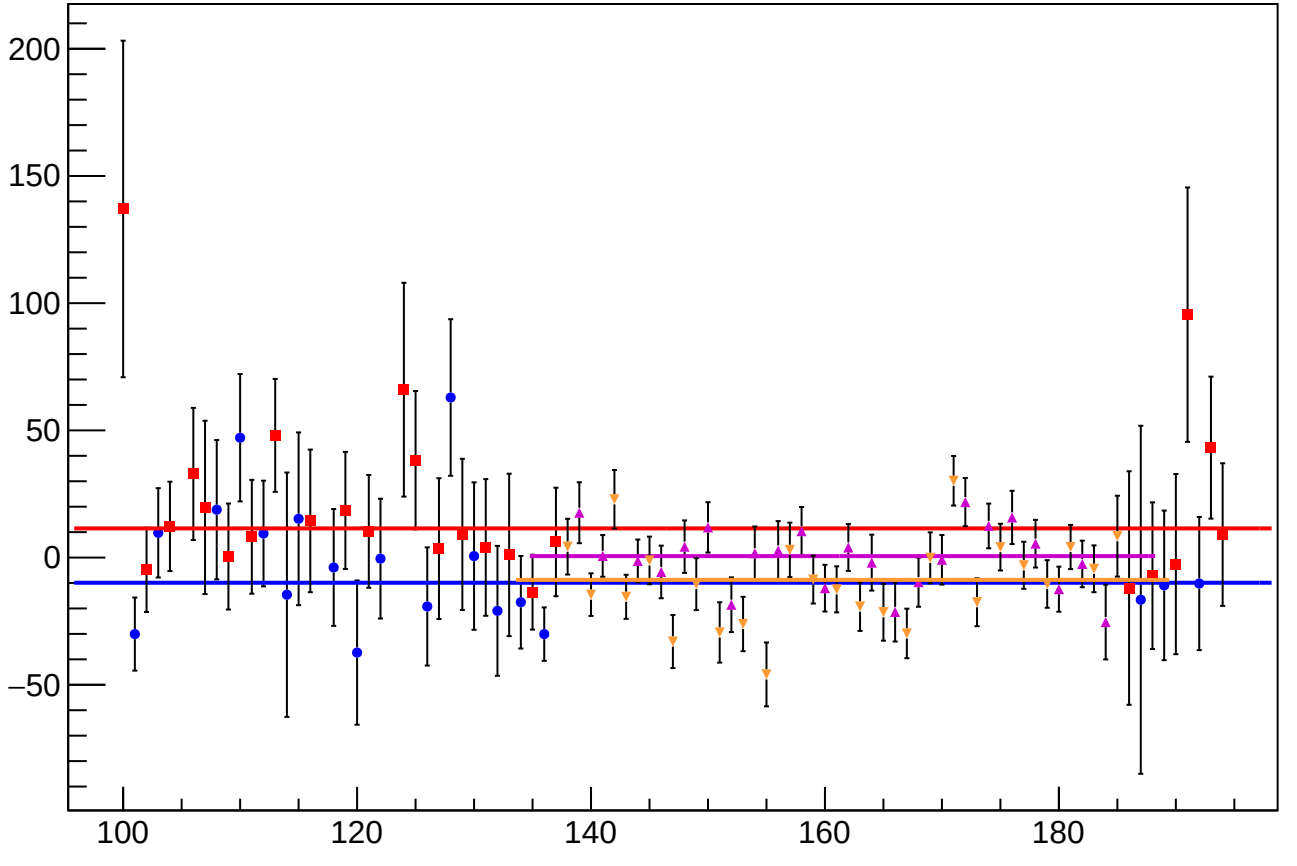
Right: 6250.648+/-1.035 χ^2/NDF: 3154018.6/43

In: 6397.837+/-0.883 χ^2/NDF:1595387.7/41

Out: 6256.807+/-0.822 χ^2/NDF:2440172.3/49

All: 6322.259+/-0.601 χ^2/NDF: 4049234.9/91

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.893+/-4.992 χ^2/NDF: 22.1/18

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: 11.472+/-5.002 χ^2/NDF: 19.3/24

Left In: 0.579+/-2.059 χ^2/NDF:29.6/22

Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

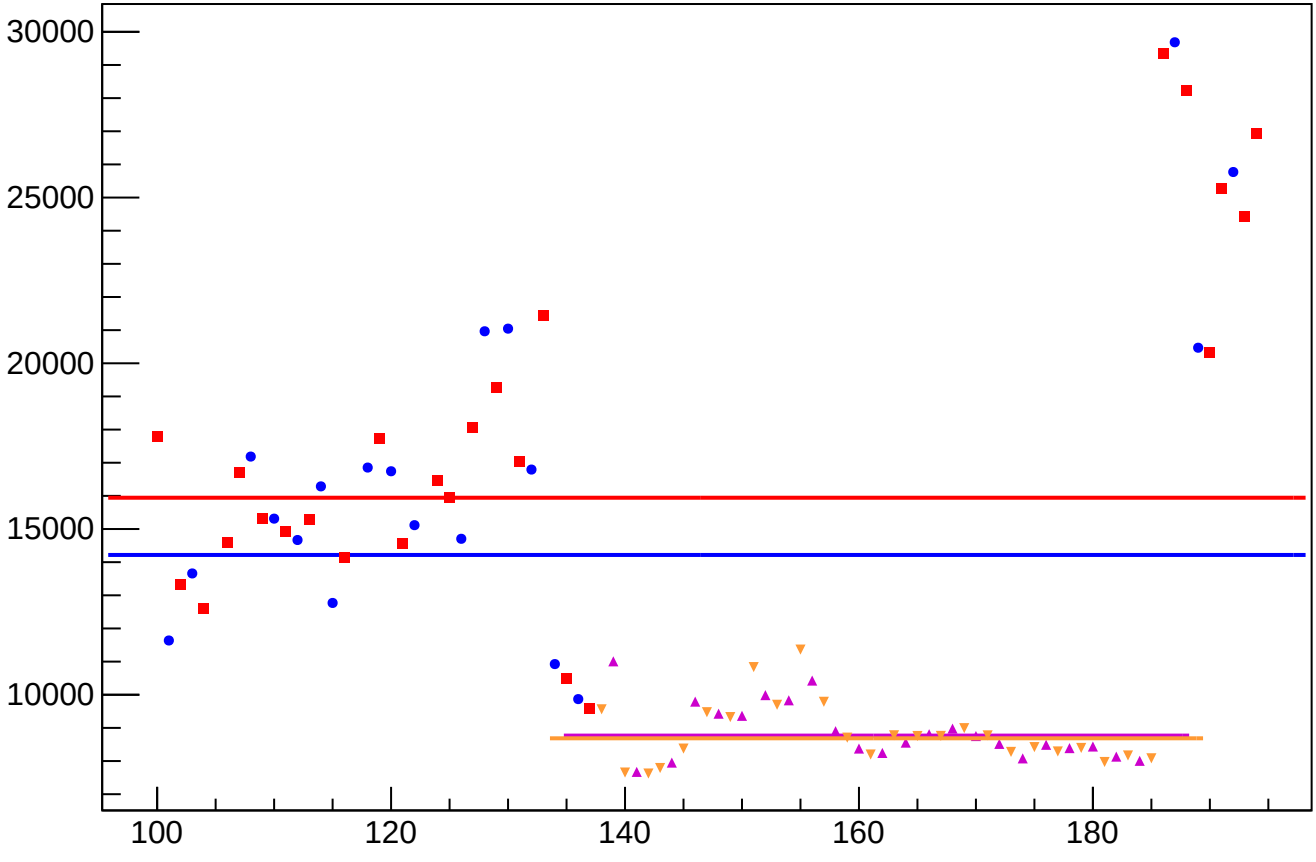
Right: 0.769+/-3.533 χ^2/NDF: 50.5/43

In: -0.944+/-1.904 χ^2/NDF:55.4/41

Out: -6.008+/-1.847 χ^2/NDF:96.1/49

All: -3.553+/-1.325 χ^2/NDF: 155.2/91

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 14217.761+/-3.530 χ^2/NDF: 1366454.9/18

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 15944.267+/-3.537 χ^2/NDF: 1843027.6/24

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

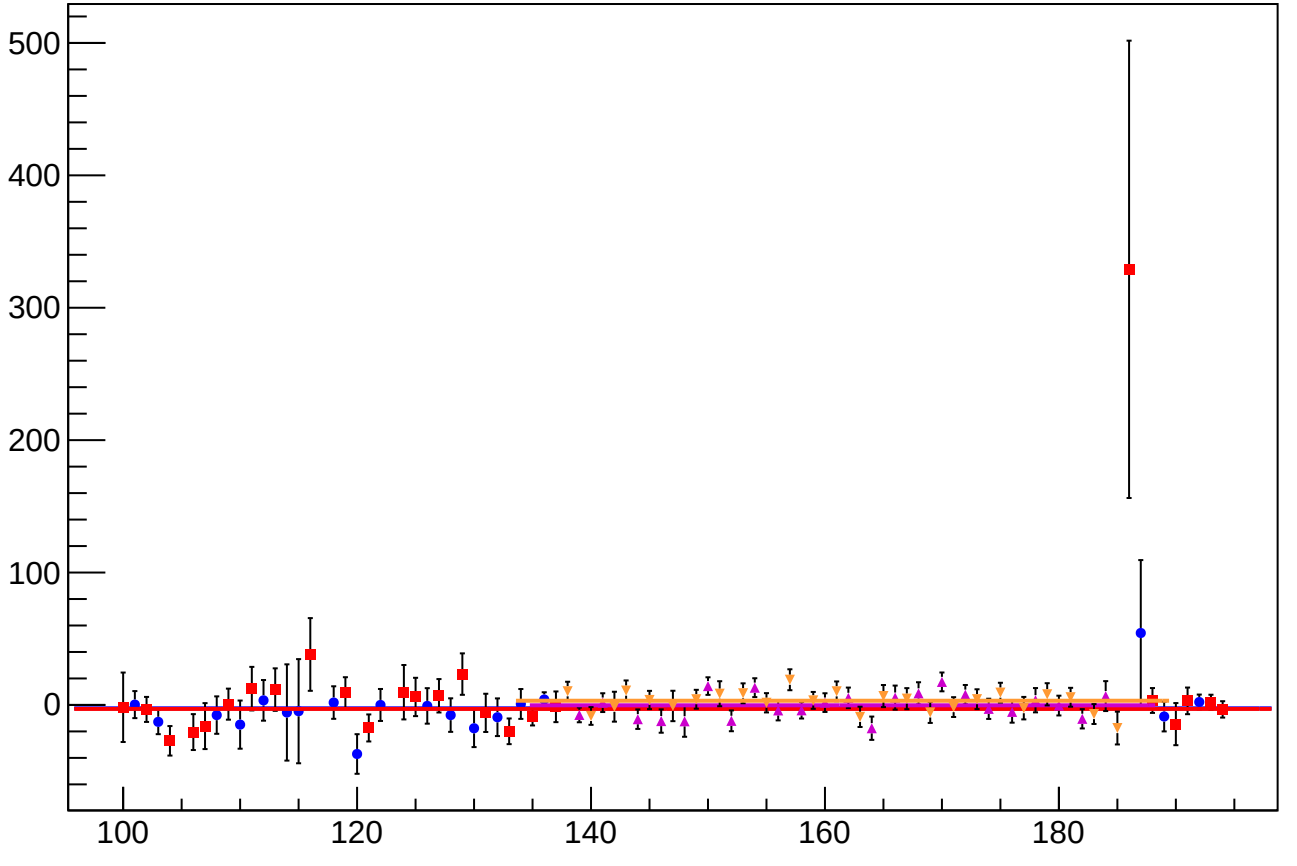
Right: 15079.351+/-2.498 χ^2/NDF: 3328864.7/43

In: 9560.143+/-1.346 χ^2/NDF:3699216.8/41

Out: 9675.384+/-1.306 χ^2/NDF:5821308.7/49

All: 9619.513+/-0.937 χ^2/NDF: 9524301.8/91

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -2.572+/-2.537 χ^2/NDF: 12.7/18

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: -3.007+/-2.212 χ^2/NDF: 27.6/24

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

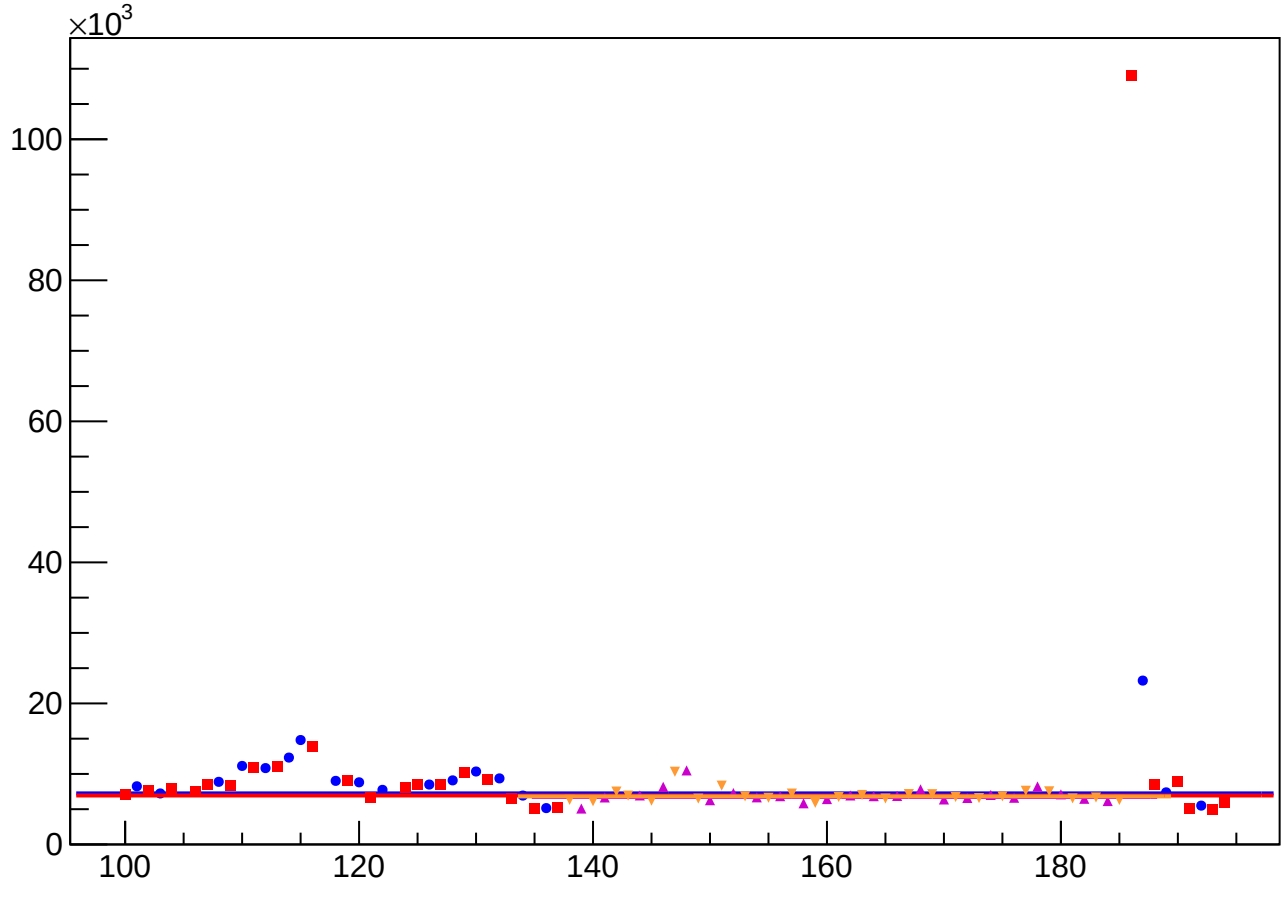
Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

Right: -2.819+/-1.667 χ^2/NDF: 40.4/43

In: -0.919+/-1.347 χ^2/NDF:47.5/41

Out: 1.115+/-1.276 χ^2/NDF:54.5/49

All: 0.154+/-0.926 χ^2/NDF: 103.2/91



Right In: 7240.433+/-1.794 χ^2/NDF: 1277746.0/18

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6944.555+/-1.564 χ^2/NDF: 2034373.3/24

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

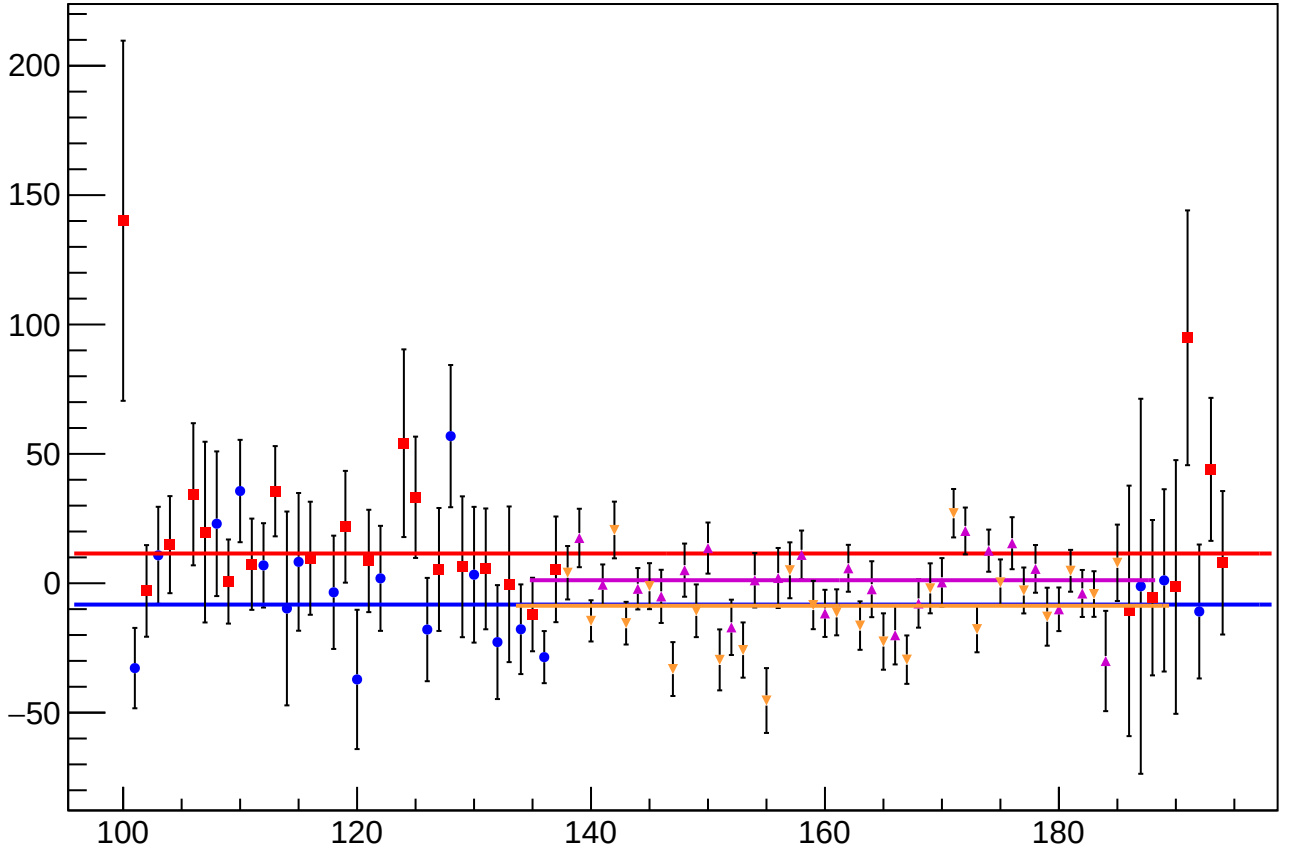
Right: 7072.327+/-1.179 χ^2/NDF: 3327575.1/43

In: 6872.440+/-0.953 χ^2/NDF:1946395.1/41

Out: 6856.748+/-0.902 χ^2/NDF:2433718.0/49

All: 6864.166+/-0.655 χ^2/NDF: 4380256.2/91

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.238+/-4.681 χ^2/NDF: 23.3/18

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: 11.502+/-4.640 χ^2/NDF: 17.8/24

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

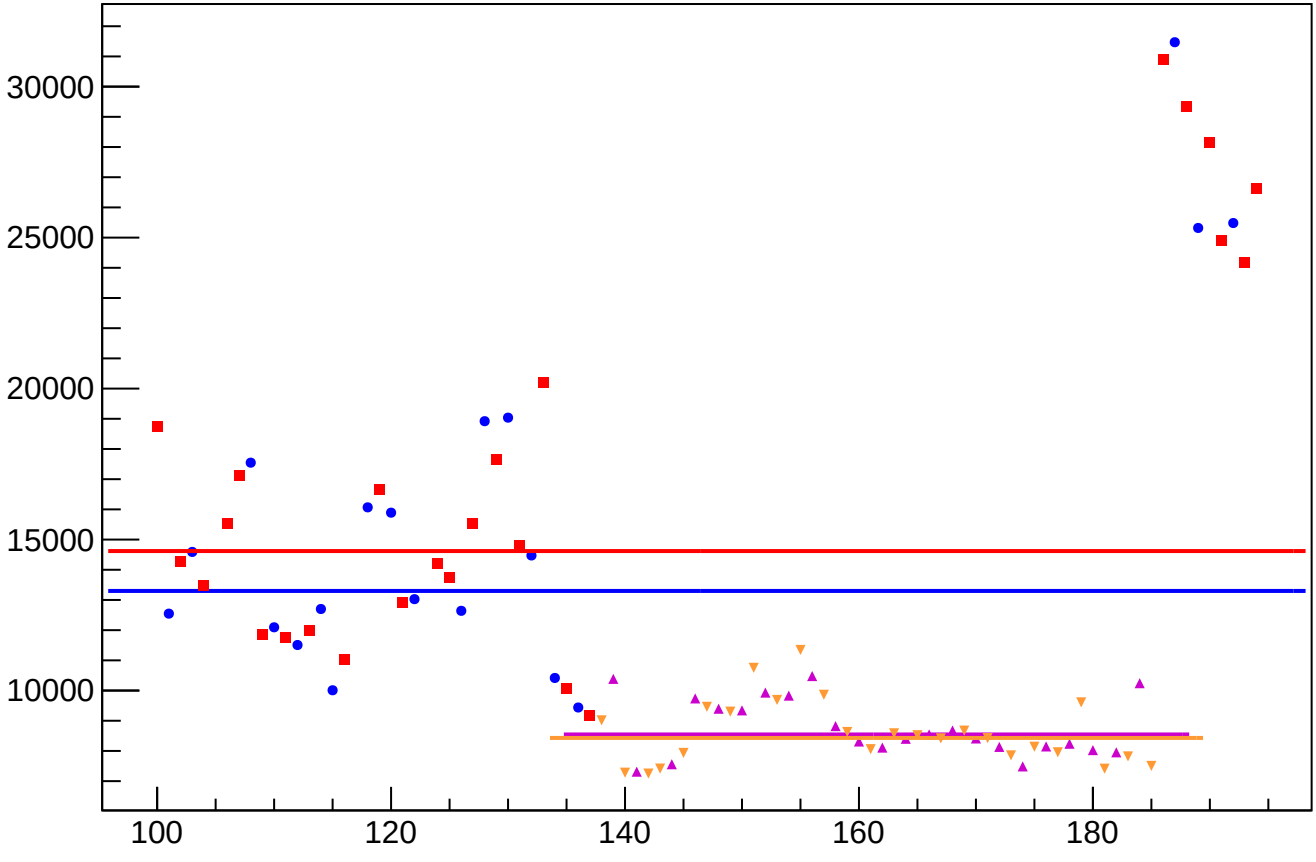
Right: 1.717+/-3.295 χ^2/NDF: 50.1/43

In: -0.294+/-1.849 χ^2/NDF:55.3/41

Out: -5.698+/-1.787 χ^2/NDF:95.4/49

All: -3.088+/-1.285 χ^2/NDF: 155.1/91

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 13298.770+/-3.310 χ^2/NDF: 1512508.8/18

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 14619.807+/-3.281 χ^2/NDF: 2278130.8/24

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8485.892+/-0.987 χ^2/NDF: 877783.2/47

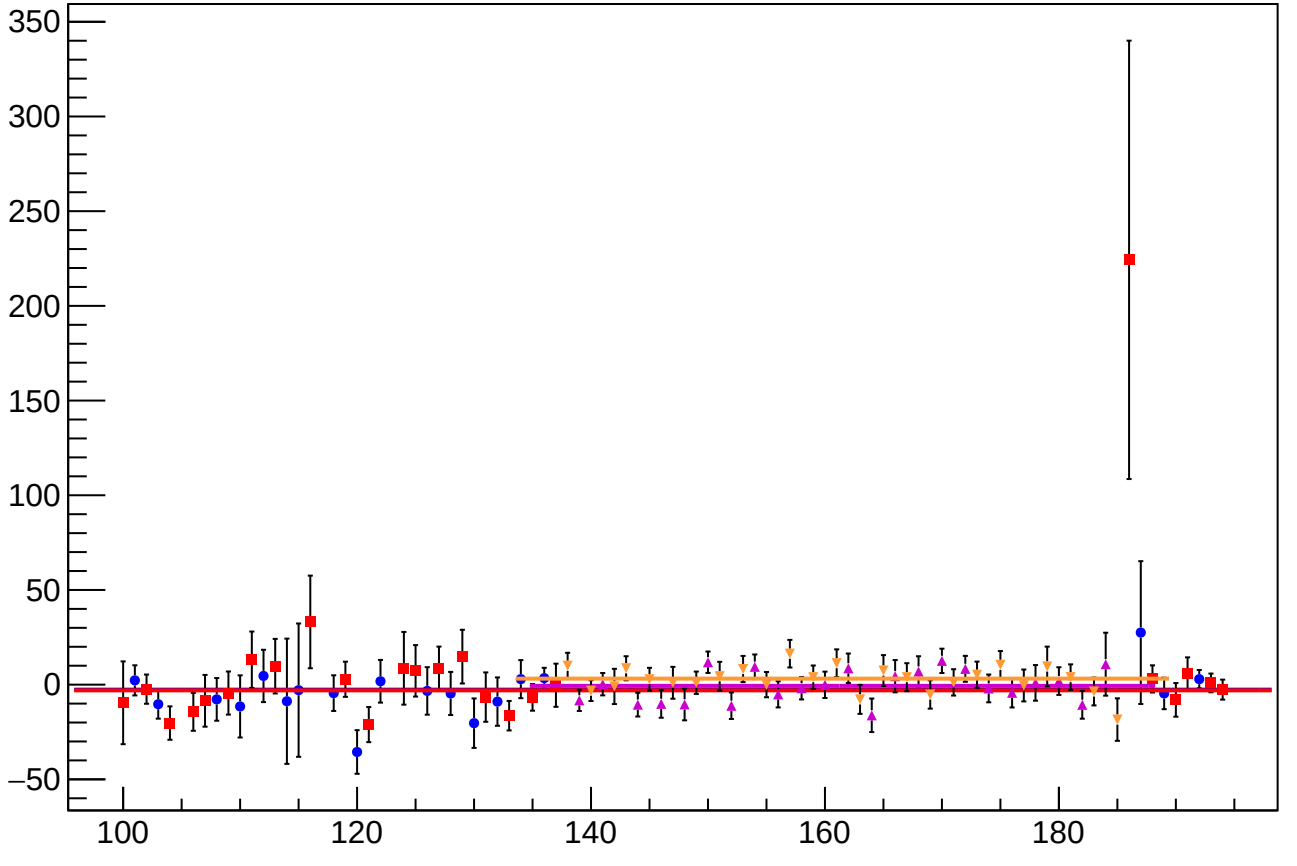
Right: 13964.995+/-2.330 χ^2/NDF: 3870983.7/43

In: 9287.072+/-1.307 χ^2/NDF:3643004.7/41

Out: 9348.382+/-1.263 χ^2/NDF:5793041.7/49

All: 9318.771+/-0.909 χ^2/NDF: 9437183.6/91

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.649+/-2.204 χ^2/NDF: 16.2/18

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: -3.003+/-1.881 χ^2/NDF: 27.2/24

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

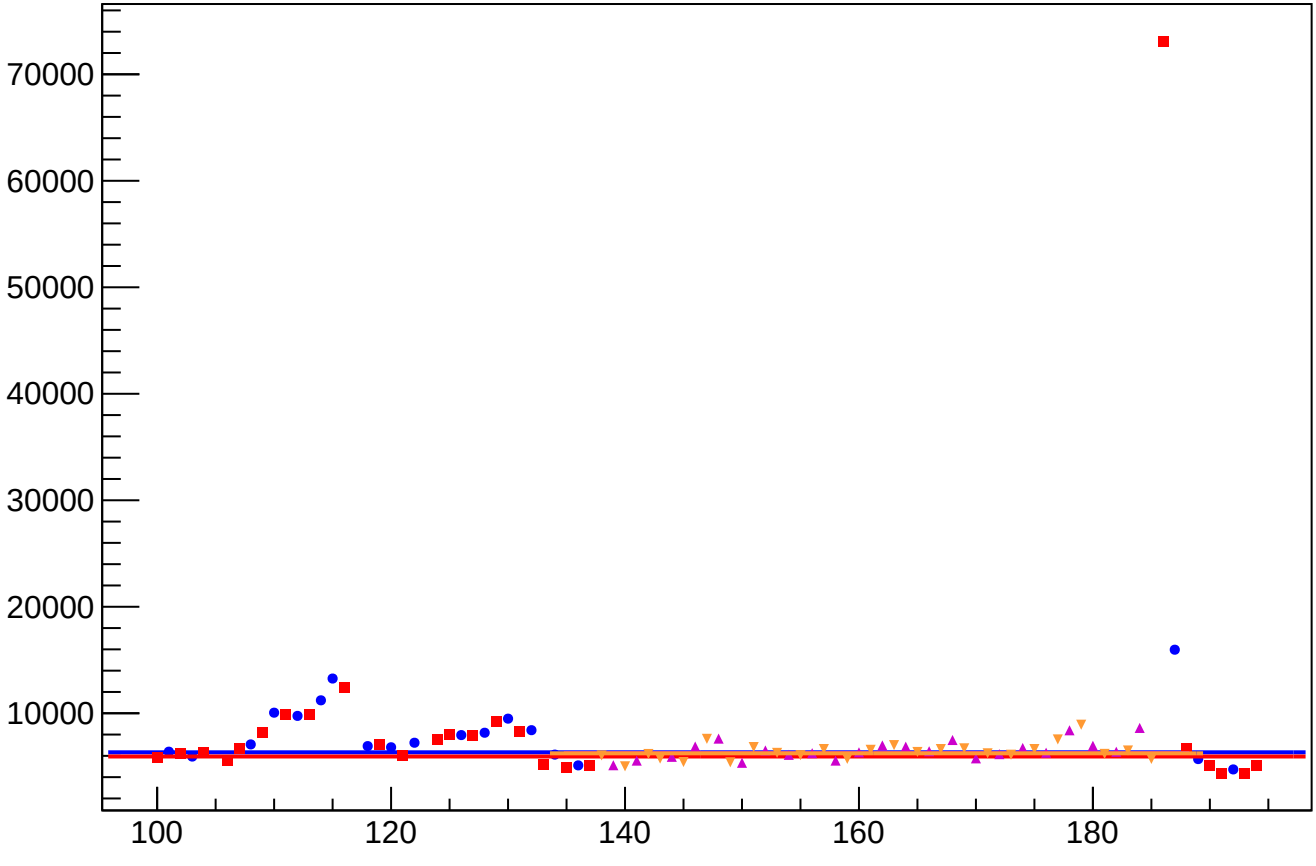
Right: -2.854+/-1.431 χ^2/NDF: 43.4/43

In: -1.260+/-1.230 χ^2/NDF:48.6/41

Out: 0.910+/-1.141 χ^2/NDF:52.7/49

All: -0.094+/-0.836 χ^2/NDF: 103.0/91

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6333.706+/-1.559 χ^2/NDF: 1105435.4/18

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5940.375+/-1.330 χ^2/NDF: 1976064.9/24

Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

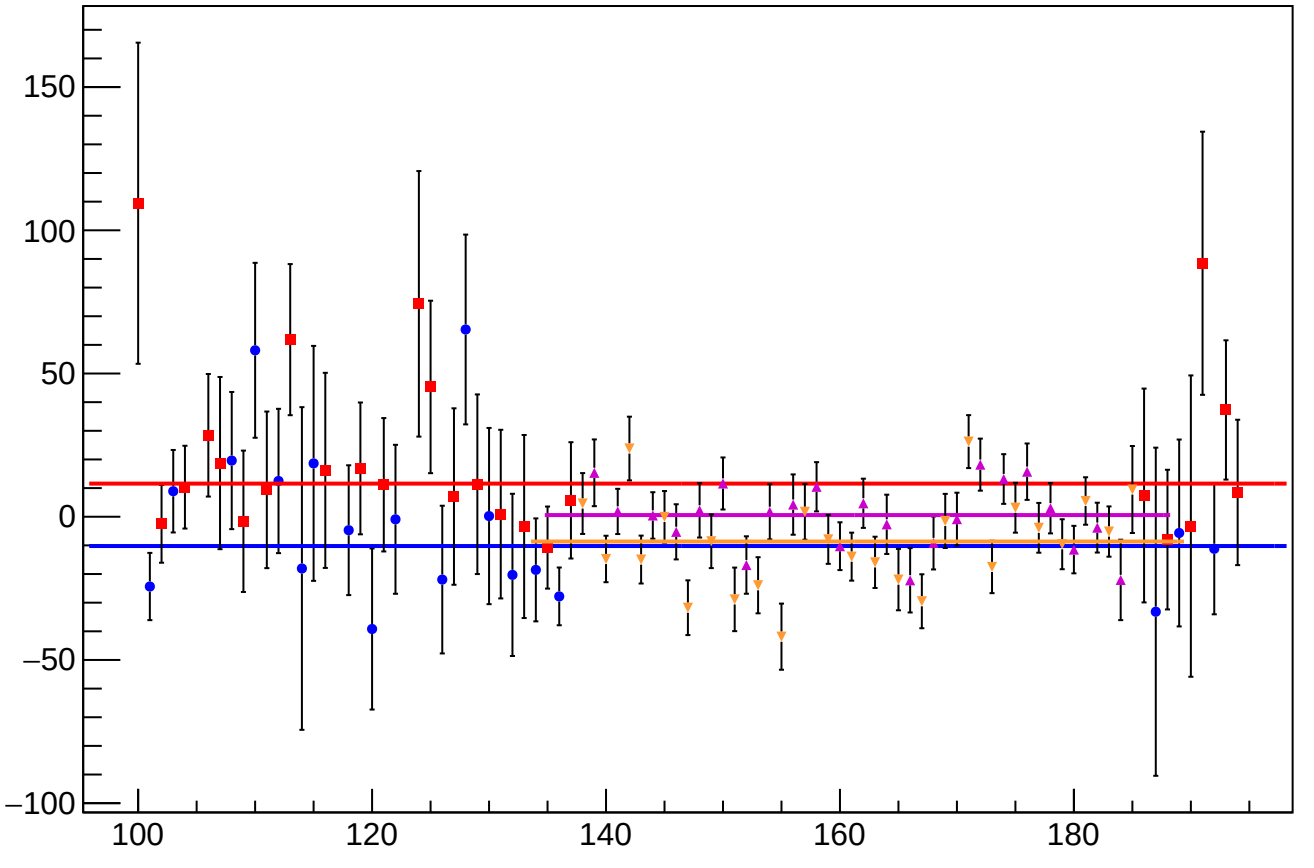
Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

Right: 6106.138+/-1.012 χ^2/NDF: 3118337.9/43

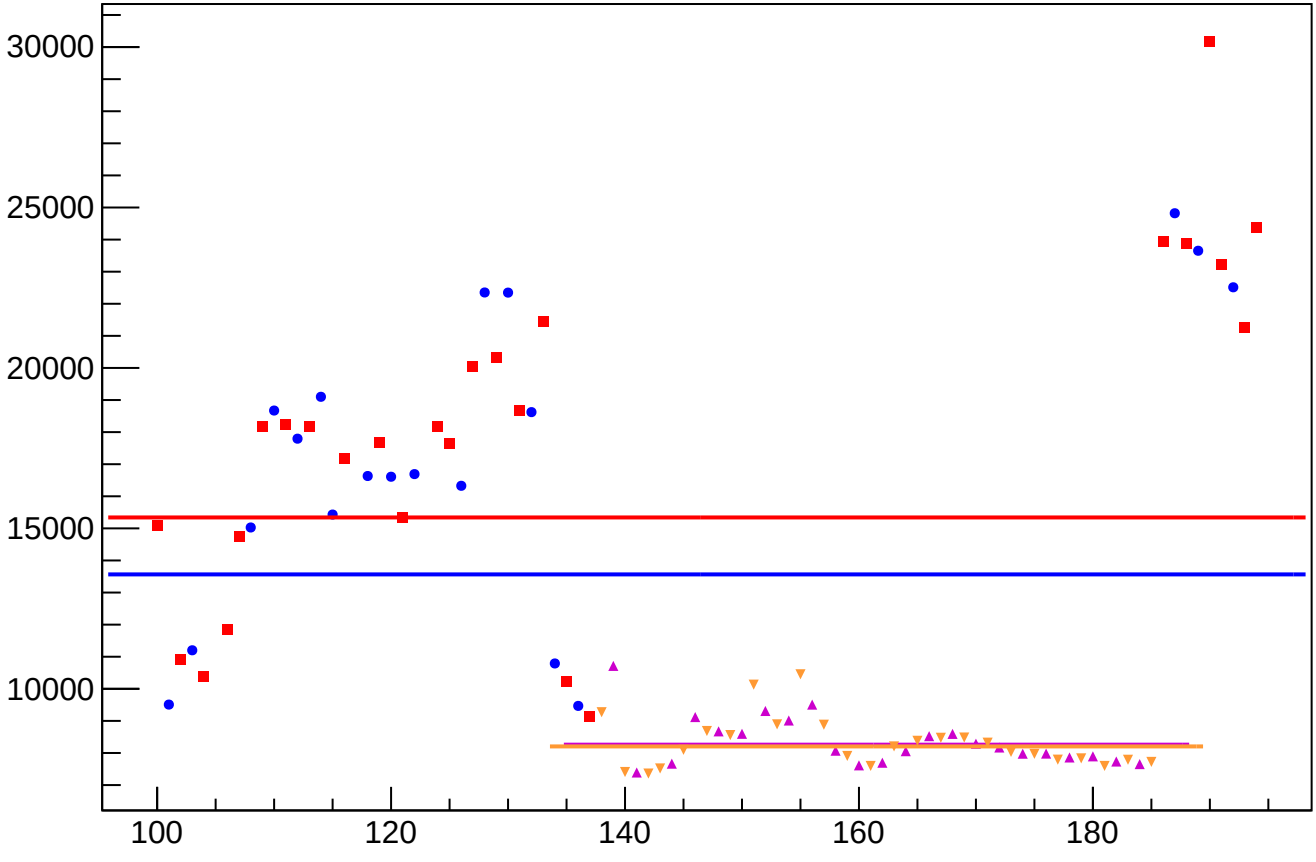
In: 6288.628+/-0.870 χ^2/NDF:1630976.1/41

Out: 6128.516+/-0.807 χ^2/NDF:2515421.5/49

All: 6202.579+/-0.591 χ^2/NDF: 4164618.2/91


diff_bpm1X_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
100
120
140
160
180
Right In: -10.228+/-4.829 χ²/NDF: 21.4/18
Left Out: -8.650+/-1.875 χ²/NDF:63.0/24
Right Out: 11.569+/-4.857 χ²/NDF: 19.4/24
Left In: 0.583+/-1.939 χ²/NDF:28.5/22
Left: -4.188+/-1.348 χ²/NDF: 103.3/47
Right: 0.608+/-3.424 χ²/NDF: 51.0/43
In: -0.918+/-1.799 χ²/NDF:54.3/41
Out: -6.027+/-1.749 χ²/NDF:97.6/49
All: -3.545+/-1.254 χ²/NDF: 156.0/91

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13565.640+/-3.415 χ^2/NDF: 1868267.3/18

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 15340.527+/-3.434 χ^2/NDF: 2198614.4/24

Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

Left: 8230.919+/-0.953 χ^2/NDF: 531113.9/47

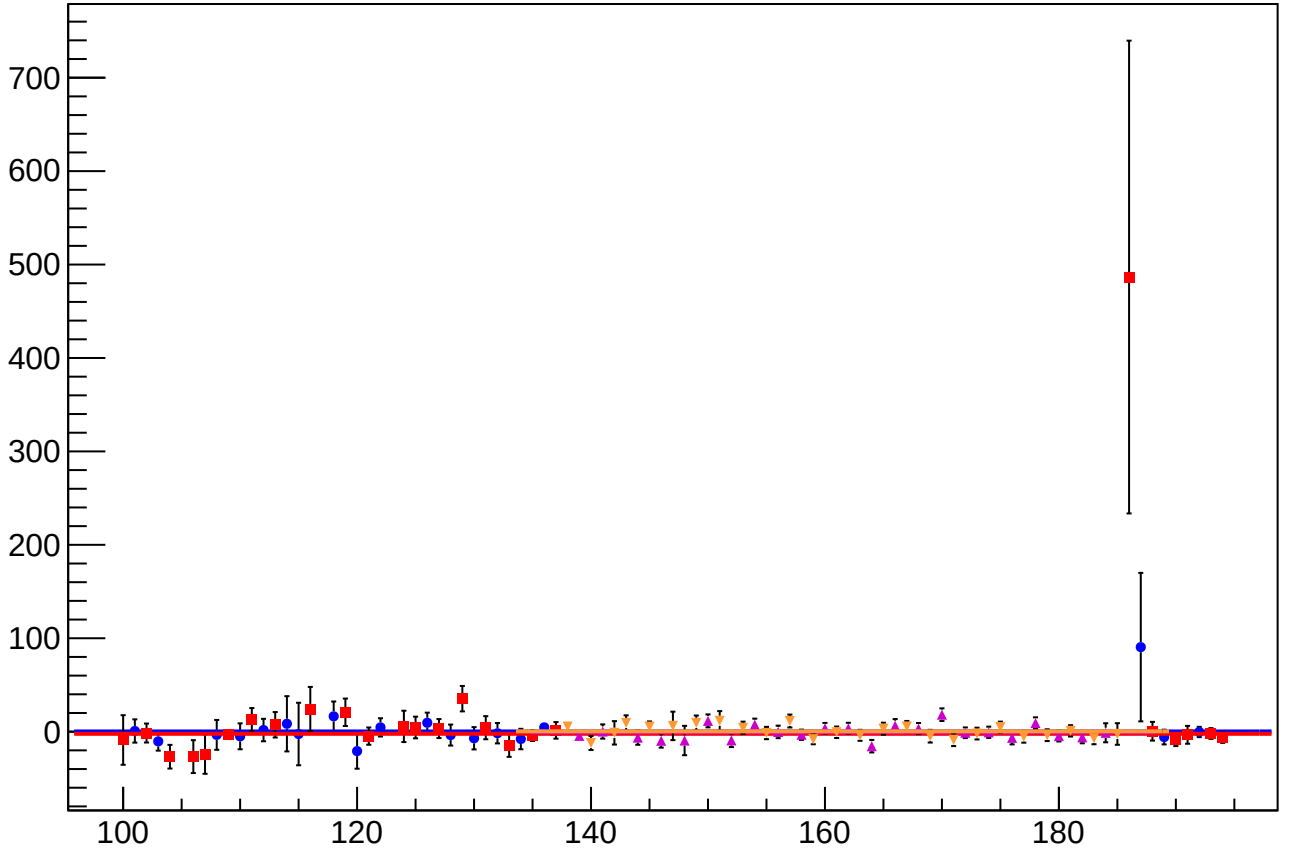
Right: 14448.019+/-2.421 χ^2/NDF: 4201200.5/43

In: 8995.804+/-1.272 χ^2/NDF:4205382.3/41

Out: 9130.214+/-1.237 χ^2/NDF:6229288.3/49

All: 9064.902+/-0.887 χ^2/NDF: 10440408.6/9

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.225+/-2.231 χ^2/NDF: 8.8/18

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: -2.280+/-1.853 χ^2/NDF: 27.9/24

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

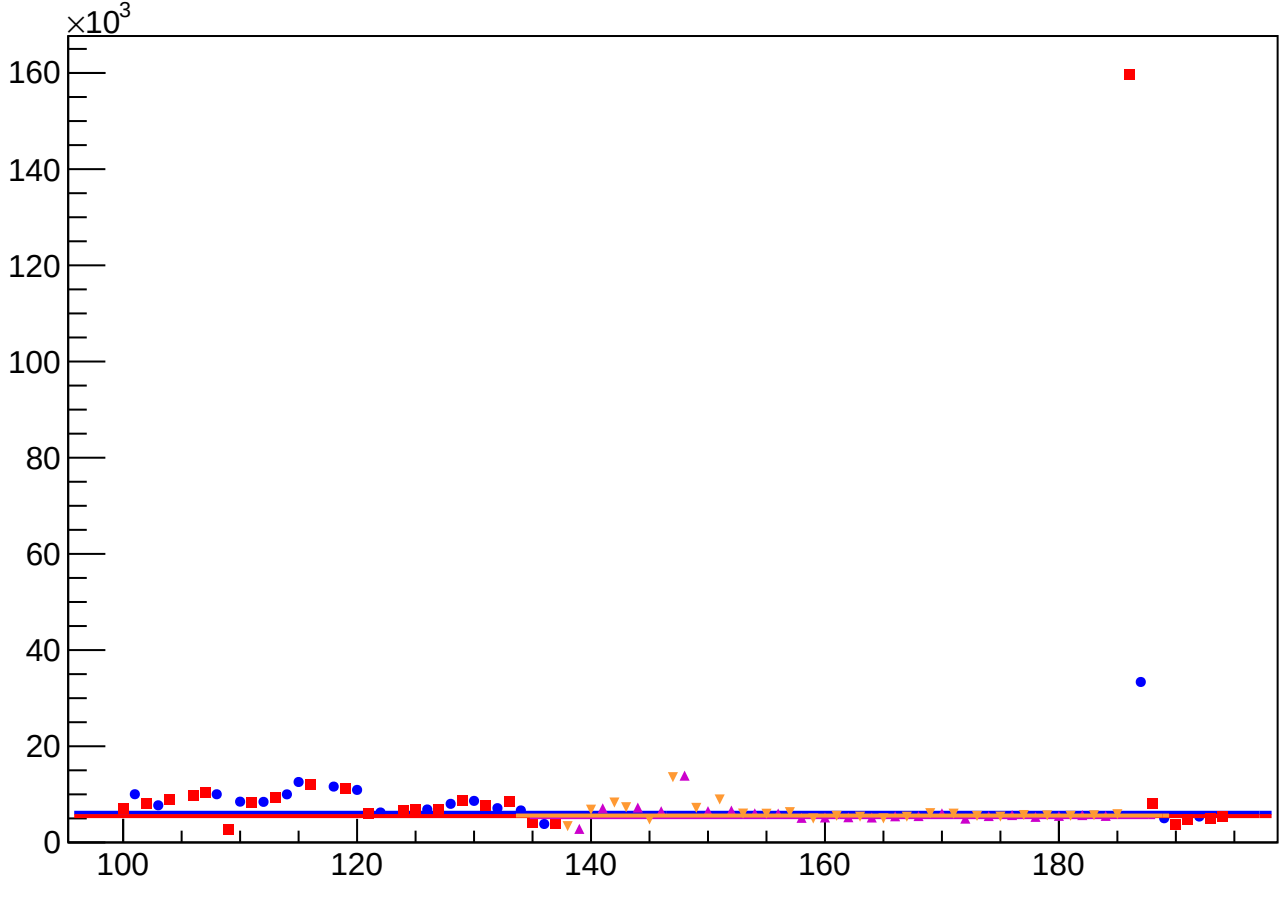
Right: -1.257+/-1.425 χ^2/NDF: 37.4/43

In: -0.475+/-1.117 χ^2/NDF:38.8/41

Out: -0.535+/-1.076 χ^2/NDF:50.7/49

All: -0.506+/-0.775 χ^2/NDF: 89.5/91

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6172.579+/-1.577 χ^2/NDF: 2087845.5/18

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5477.141+/-1.310 χ^2/NDF: 3624702.4/24

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

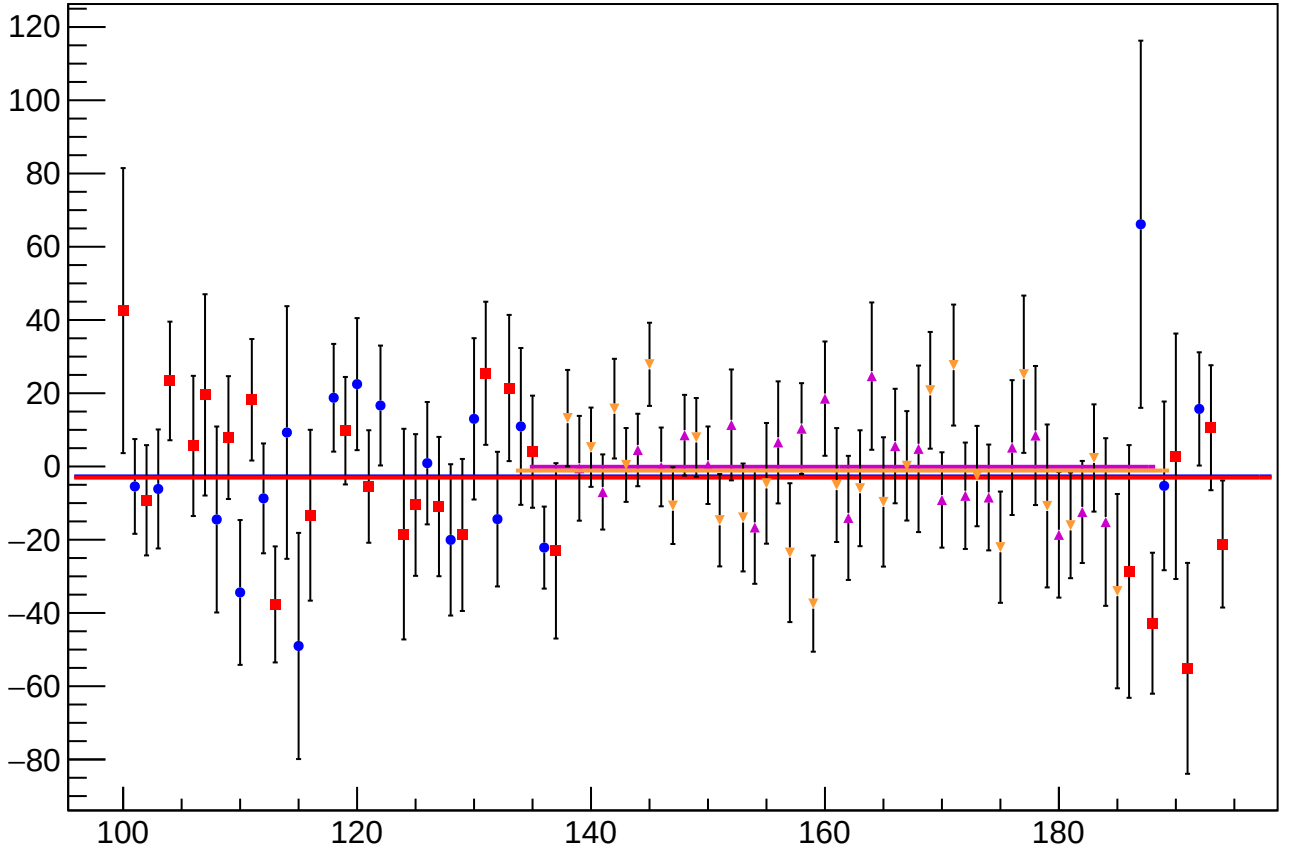
Right: 5761.018+/-1.008 χ^2/NDF: 5827595.1/43

In: 5491.095+/-0.790 χ^2/NDF:4762677.4/41

Out: 5554.919+/-0.761 χ^2/NDF:5414281.0/49

All: 5524.216+/-0.548 χ^2/NDF: 10180344.1/9

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -2.713+/-4.110 χ^2/NDF: 19.3/18

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: -3.039+/-3.854 χ^2/NDF: 28.5/24

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

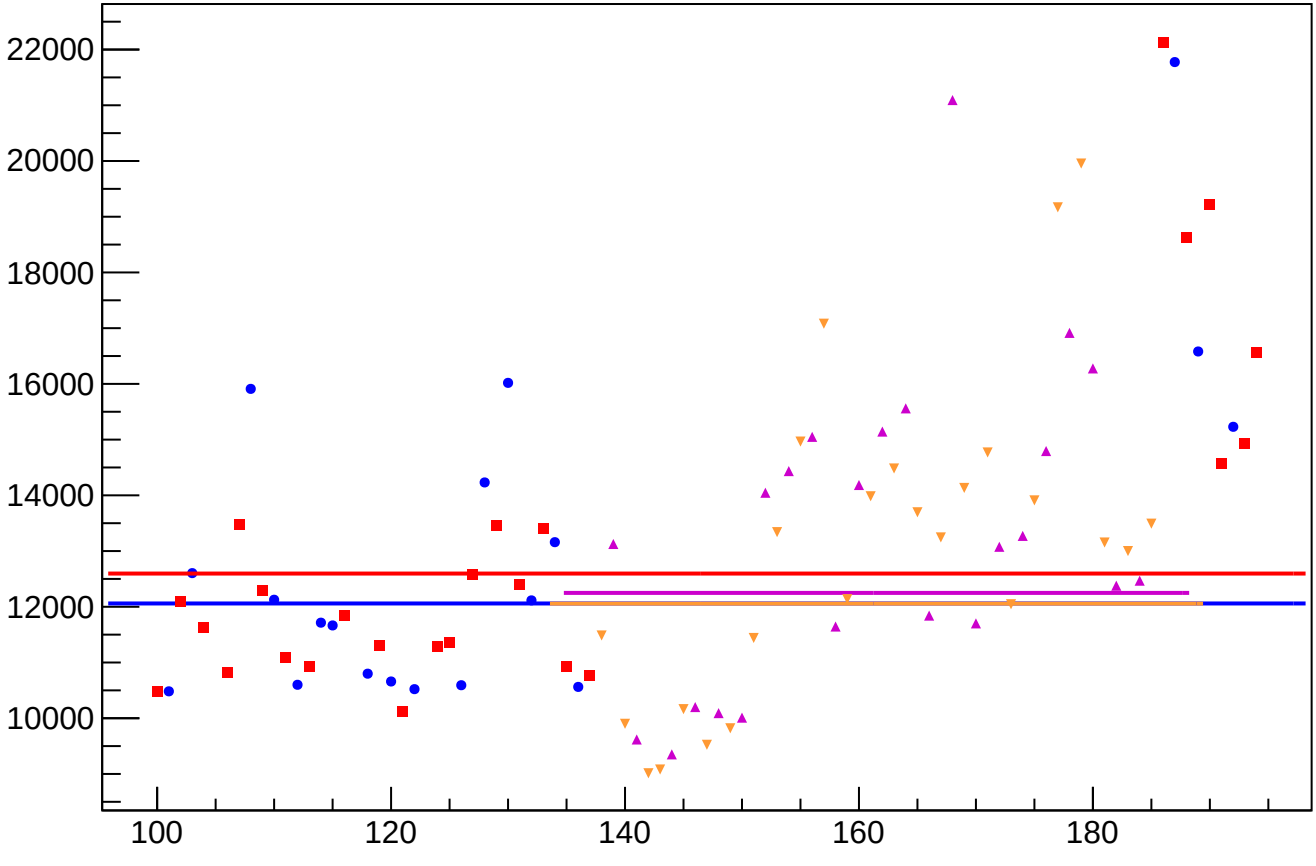
Right: -2.887+/-2.811 χ^2/NDF: 47.8/43

In: -0.969+/-2.384 χ^2/NDF:31.0/41

Out: -1.781+/-2.272 χ^2/NDF:62.4/49

All: -1.394+/-1.645 χ^2/NDF: 93.5/91

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 12059.468+/-2.906 χ^2/NDF: 521310.2/18

Left Out: 12056.714+/-1.989 χ^2/NDF:1561738.9/24

Right Out: 12596.270+/-2.725 χ^2/NDF: 777942.6/24

Left In: 12249.109+/-2.069 χ^2/NDF:1416030.4/22

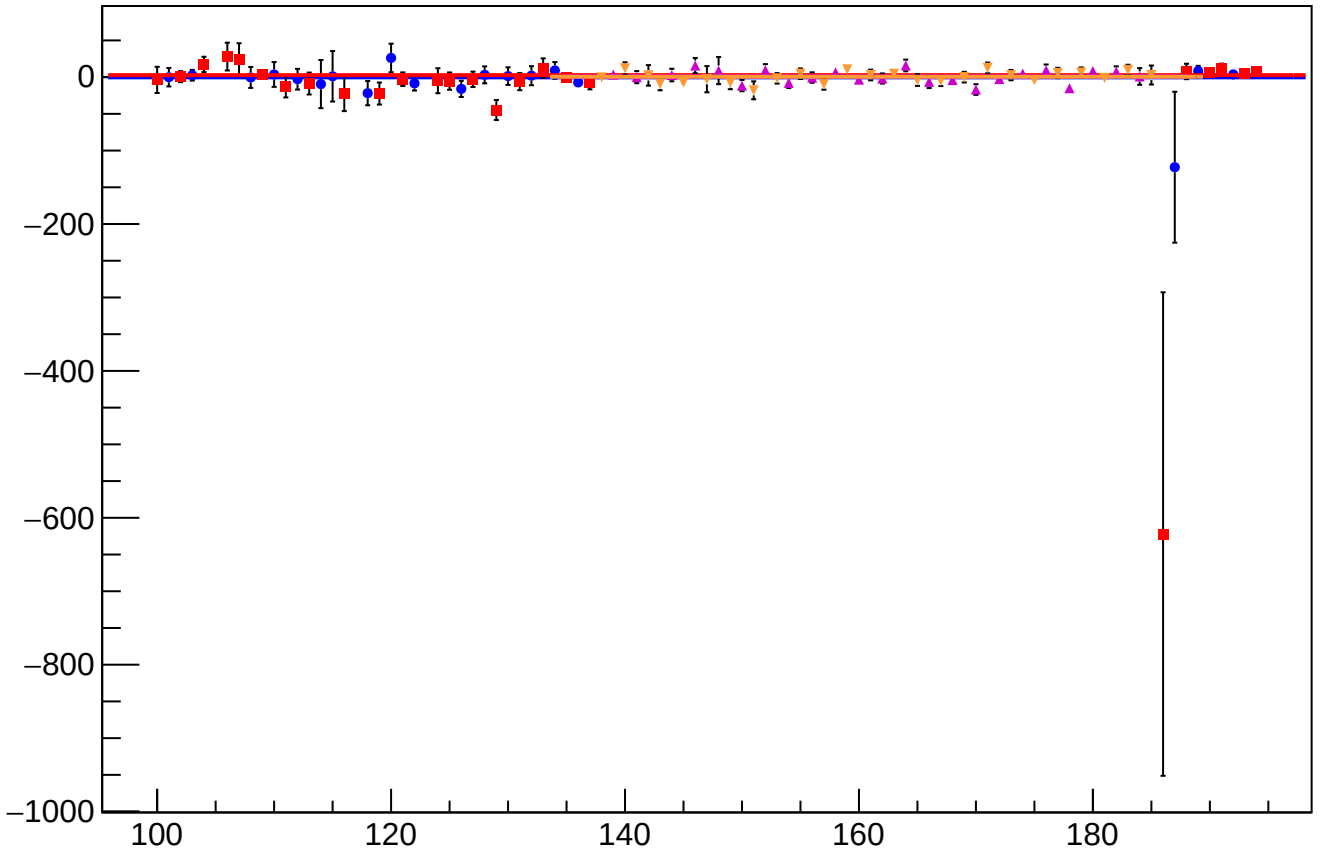
Left: 12149.117+/-1.434 χ^2/NDF: 2982262.4/47

Right: 12345.115+/-1.988 χ^2/NDF: 1317407.1/43

In: 12185.314+/-1.686 χ^2/NDF:1940166.2/41

Out: 12244.261+/-1.607 χ^2/NDF:2365256.4/49

All: 12216.200+/-1.163 χ^2/NDF: 4306063.4/9



Right In: -0.284+/-2.132 χ^2/NDF: 13.5/18

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: 2.693+/-1.749 χ^2/NDF: 33.0/24

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

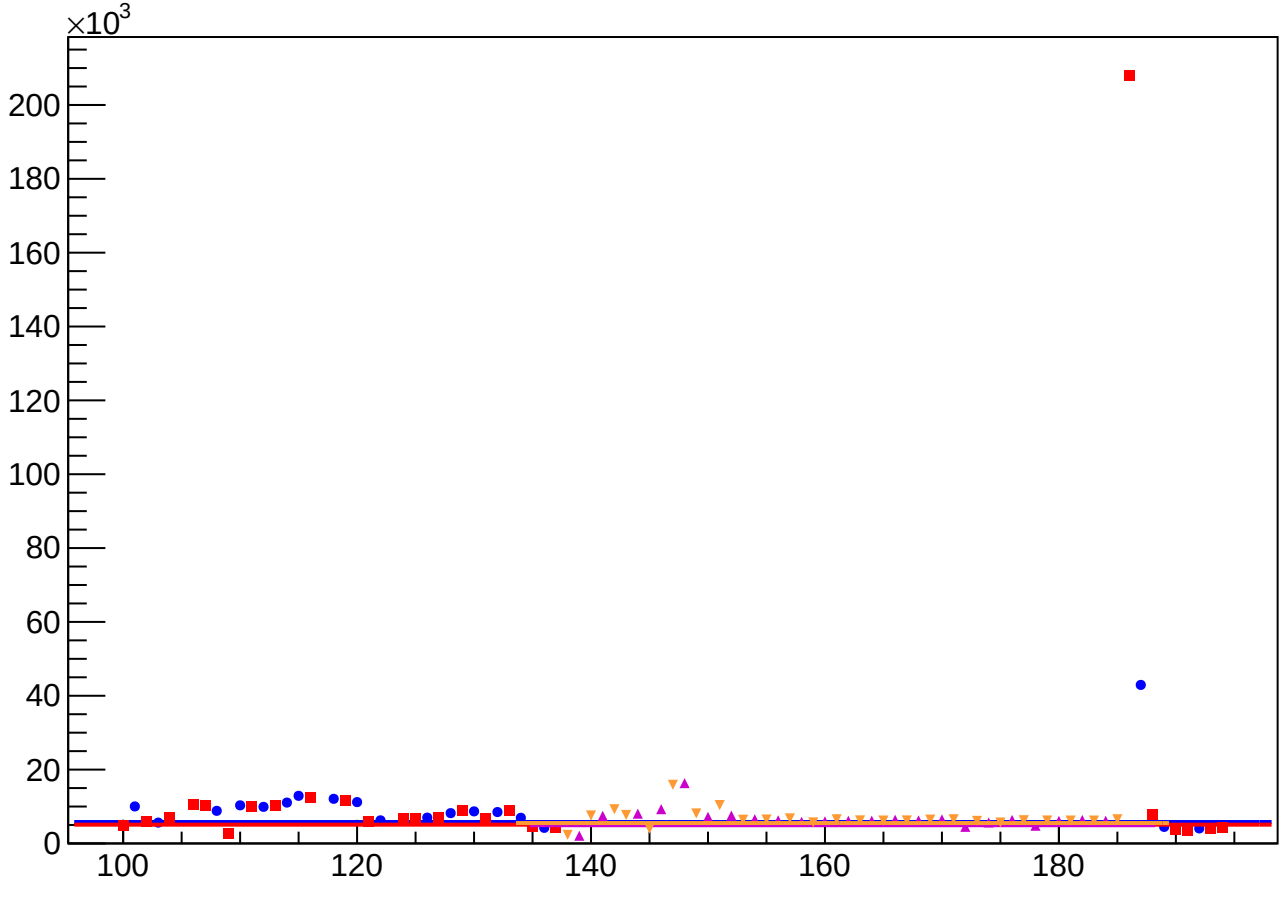
Right: 1.495+/-1.352 χ^2/NDF: 47.6/43

In: 0.615+/-1.106 χ^2/NDF:45.9/41

Out: 1.349+/-1.078 χ^2/NDF:55.4/49

All: 0.991+/-0.772 χ^2/NDF: 101.5/91

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 5805.695+/-1.507 χ^2/NDF: 2469622.3/18

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

Right Out: 5086.911+/-1.237 χ^2/NDF: 3640410.1/24

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

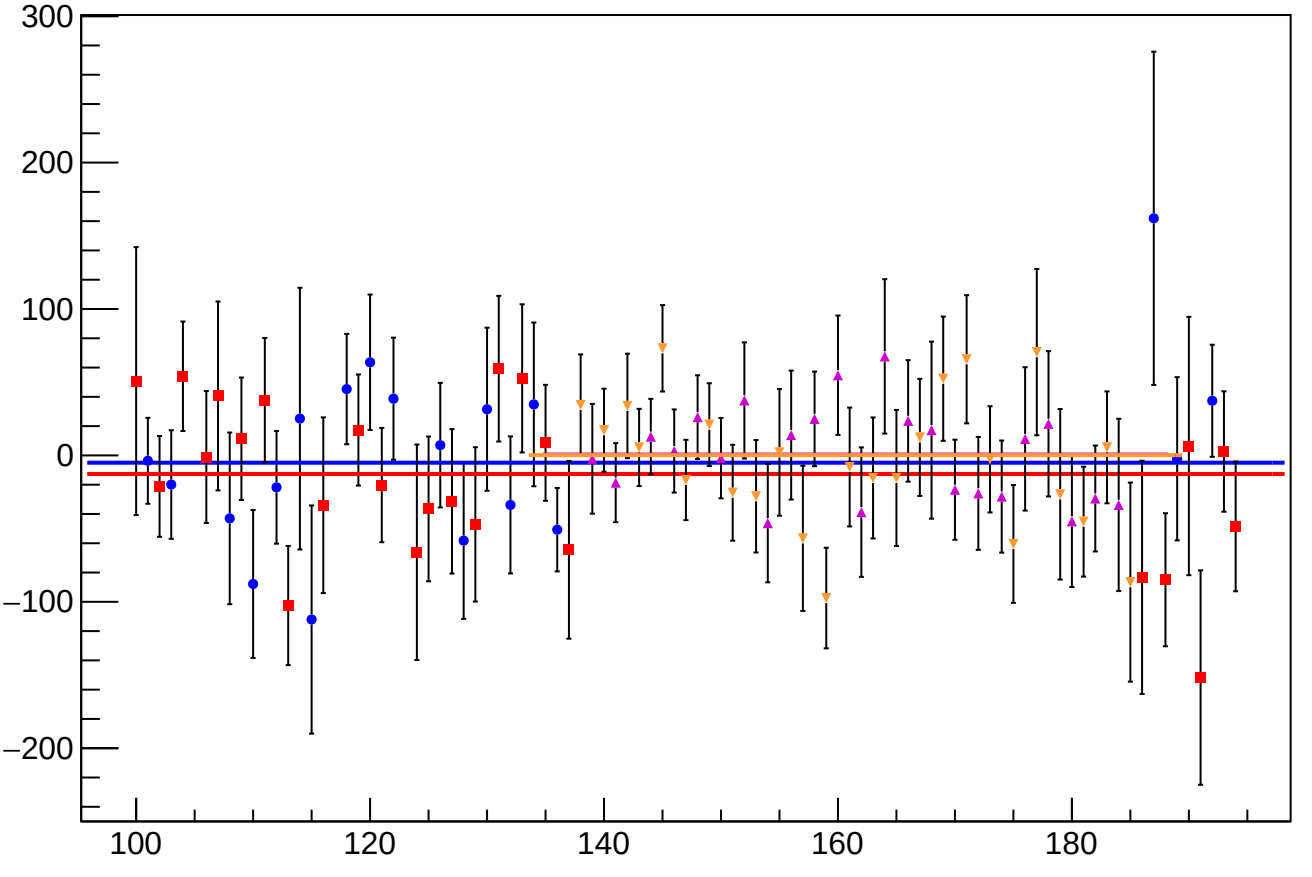
Right: 5376.188+/-0.956 χ^2/NDF: 6245904.0/43

In: 5174.629+/-0.782 χ^2/NDF:8645613.4/41

Out: 5360.505+/-0.762 χ^2/NDF:8094985.5/49

All: 5269.979+/-0.546 χ^2/NDF: 16769558.3/9

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -4.967+/-10.208 χ^2/NDF: 18.9/18

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -12.718+/-9.579 χ^2/NDF: 25.7/24

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

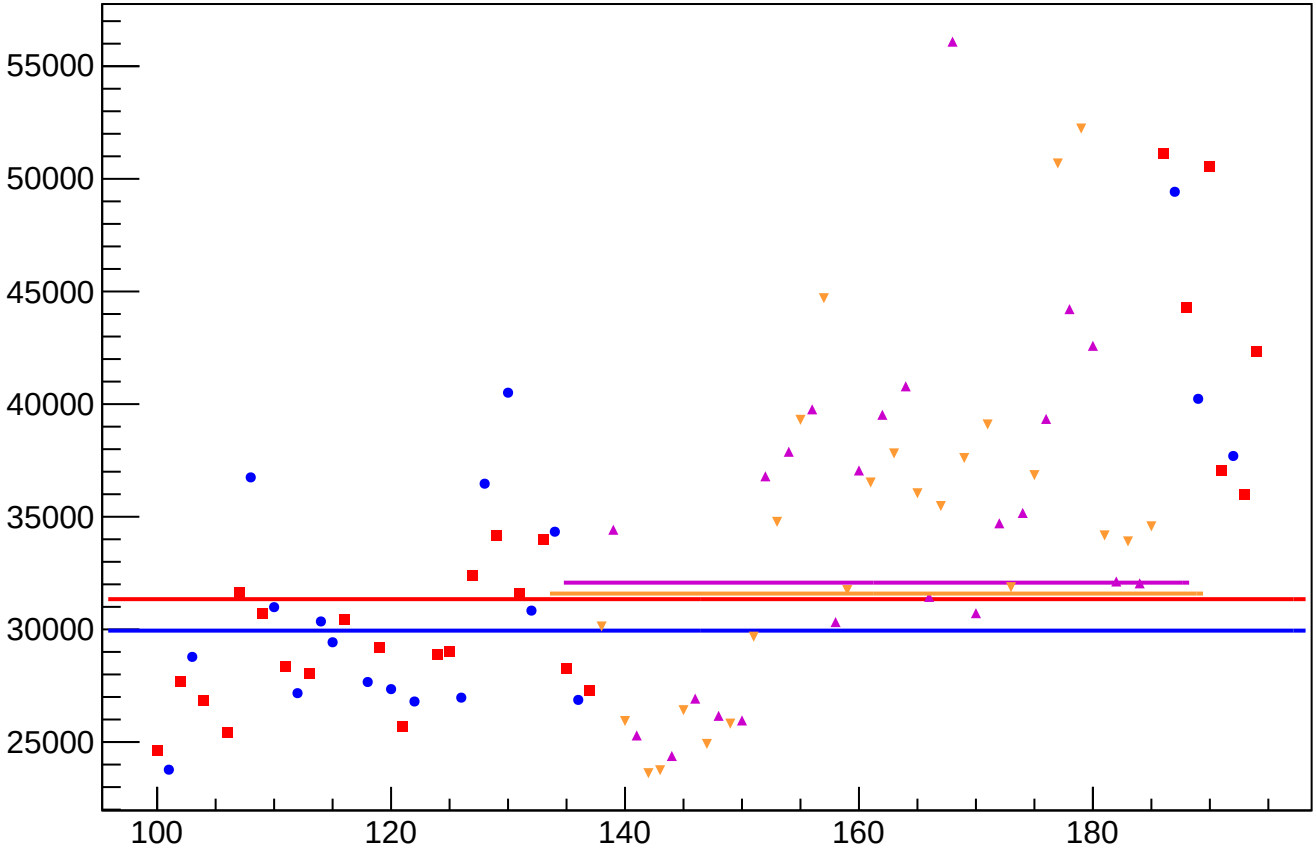
Right: -9.088+/-6.985 χ^2/NDF: 44.9/43

In: -1.417+/-6.130 χ^2/NDF:31.9/41

Out: -4.627+/-5.844 χ^2/NDF:58.0/49

All: -3.099+/-4.230 χ^2/NDF: 90.0/91

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 29945.661+/-7.218 χ^2/NDF: 510370.2/18

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 31342.184+/-6.774 χ^2/NDF: 749299.8/24

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

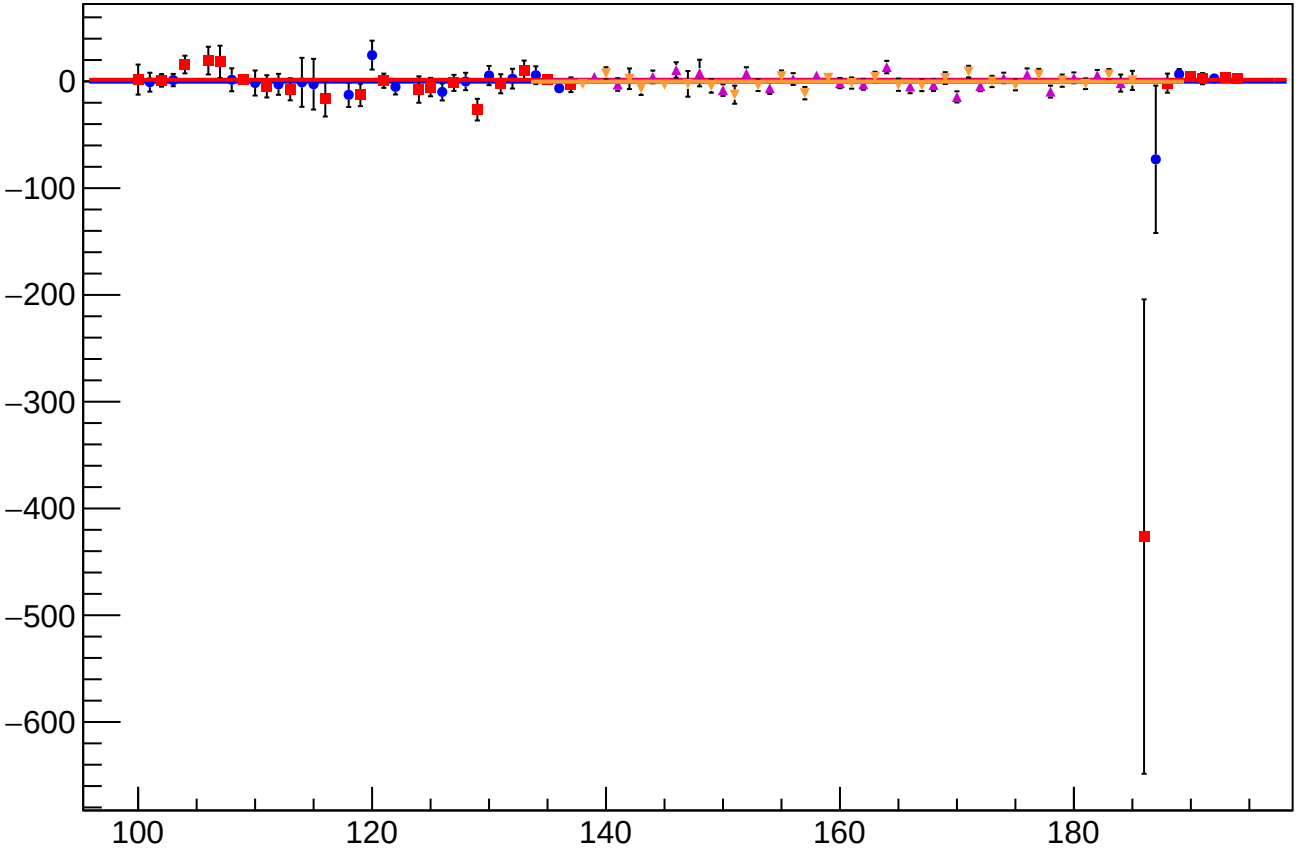
Right: 30688.211+/-4.939 χ^2/NDF: 1279574.9/43

In: 31307.046+/-4.335 χ^2/NDF:2021729.9/41

Out: 31497.681+/-4.132 χ^2/NDF:2341006.9/49

All: 31406.924+/-2.991 χ^2/NDF: 4363750.0/9

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -0.246+/-1.536 χ^2/NDF: 15.5/18

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: 1.532+/-1.291 χ^2/NDF: 25.5/24

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

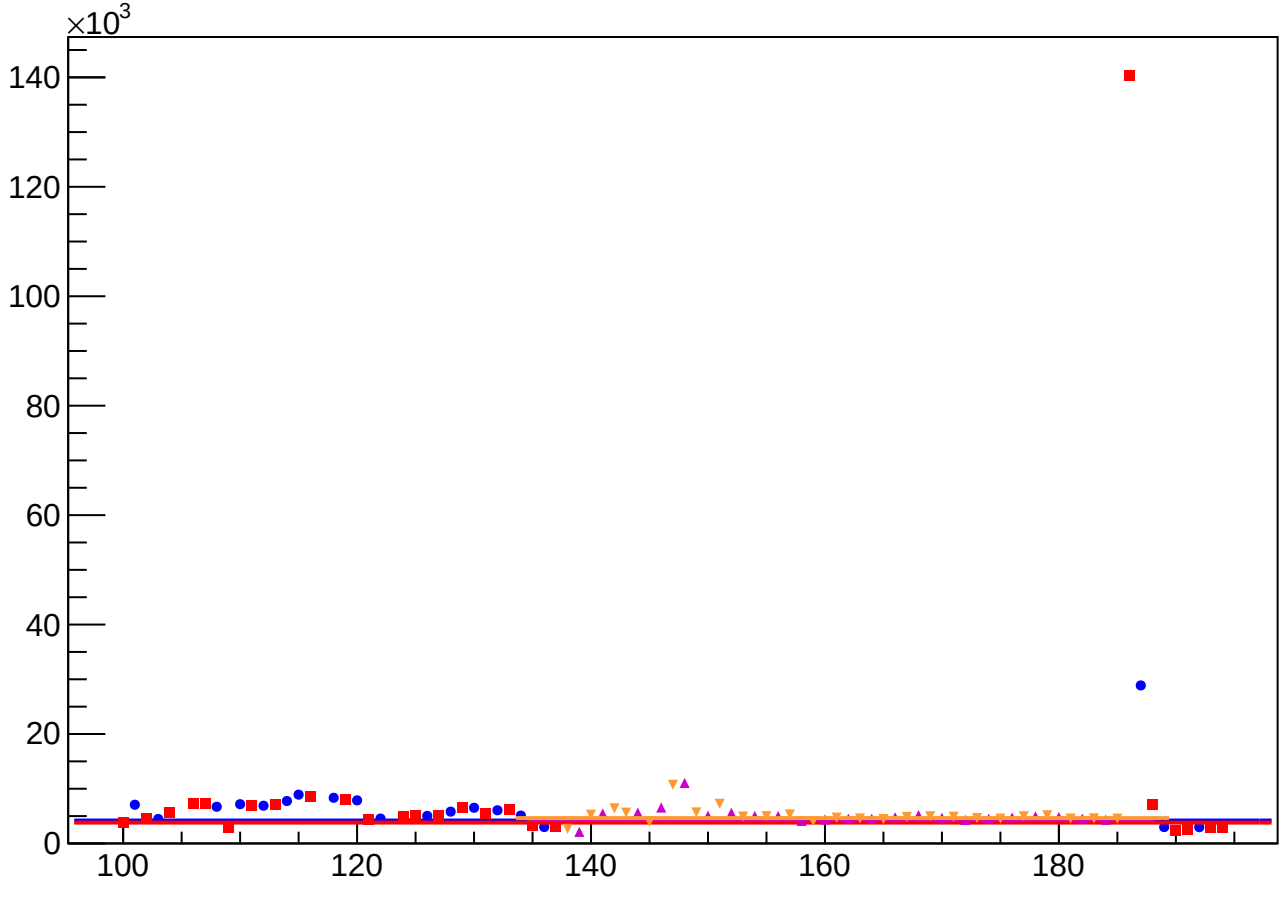
Right: 0.796+/-0.988 χ^2/NDF: 41.8/43

In: 0.454+/-0.873 χ^2/NDF:49.6/41

Out: 0.509+/-0.835 χ^2/NDF:46.5/49

All: 0.483+/-0.603 χ^2/NDF: 96.1/91

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4186.280+/-1.086 χ^2/NDF: 2475667.5/18

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 3813.777+/-0.913 χ^2/NDF: 3508948.7/24

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

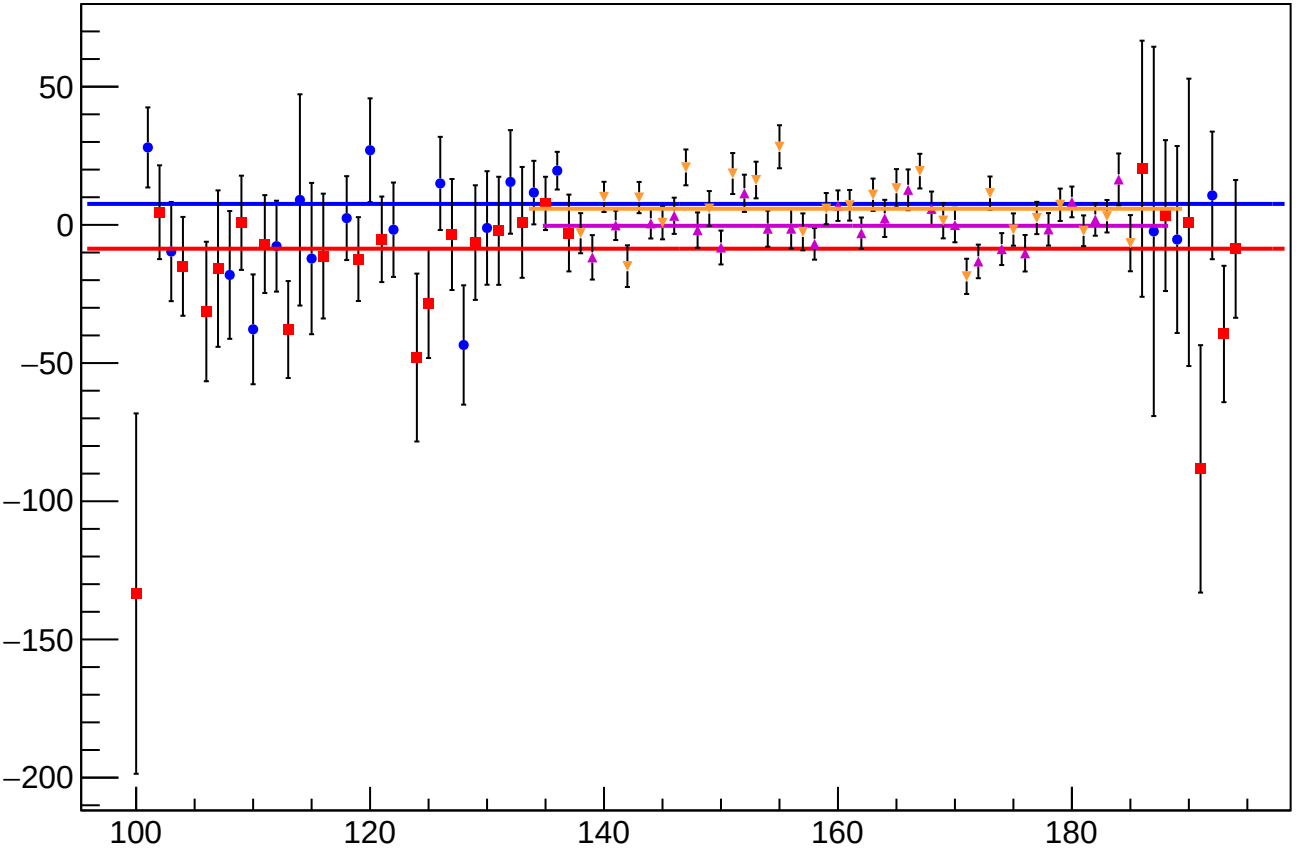
Right: 3967.954+/-0.699 χ^2/NDF: 6053559.1/43

In: 4259.948+/-0.617 χ^2/NDF:5578071.7/41

Out: 4293.110+/-0.590 χ^2/NDF:5745971.3/49

All: 4277.271+/-0.427 χ^2/NDF: 11325551.4/9

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.586+/-3.740 χ^2/NDF: 21.8/18

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: -8.616+/-3.909 χ^2/NDF: 20.0/24

Left In: -0.337+/-1.301 χ^2/NDF:29.4/22

Left: 2.861+/-0.904 χ^2/NDF: 101.1/47

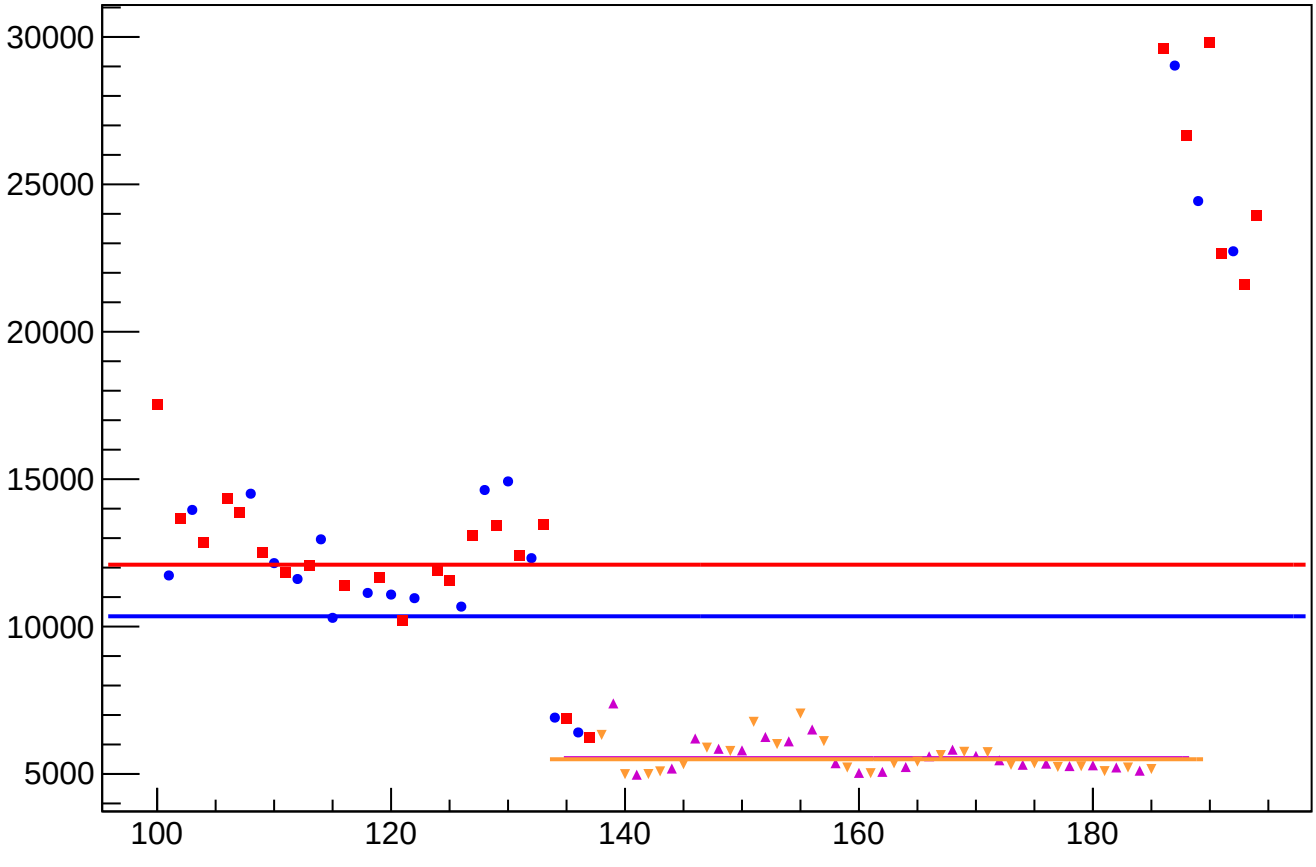
Right: -0.156+/-2.702 χ^2/NDF: 50.8/43

In: 0.518+/-1.229 χ^2/NDF:55.2/41

Out: 4.493+/-1.197 χ^2/NDF:92.4/49

All: 2.557+/-0.857 χ^2/NDF: 153.0/91

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10348.324+/-2.644 χ^2/NDF: 2338013.9/18

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 12098.842+/-2.764 χ^2/NDF: 3003476.5/24

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

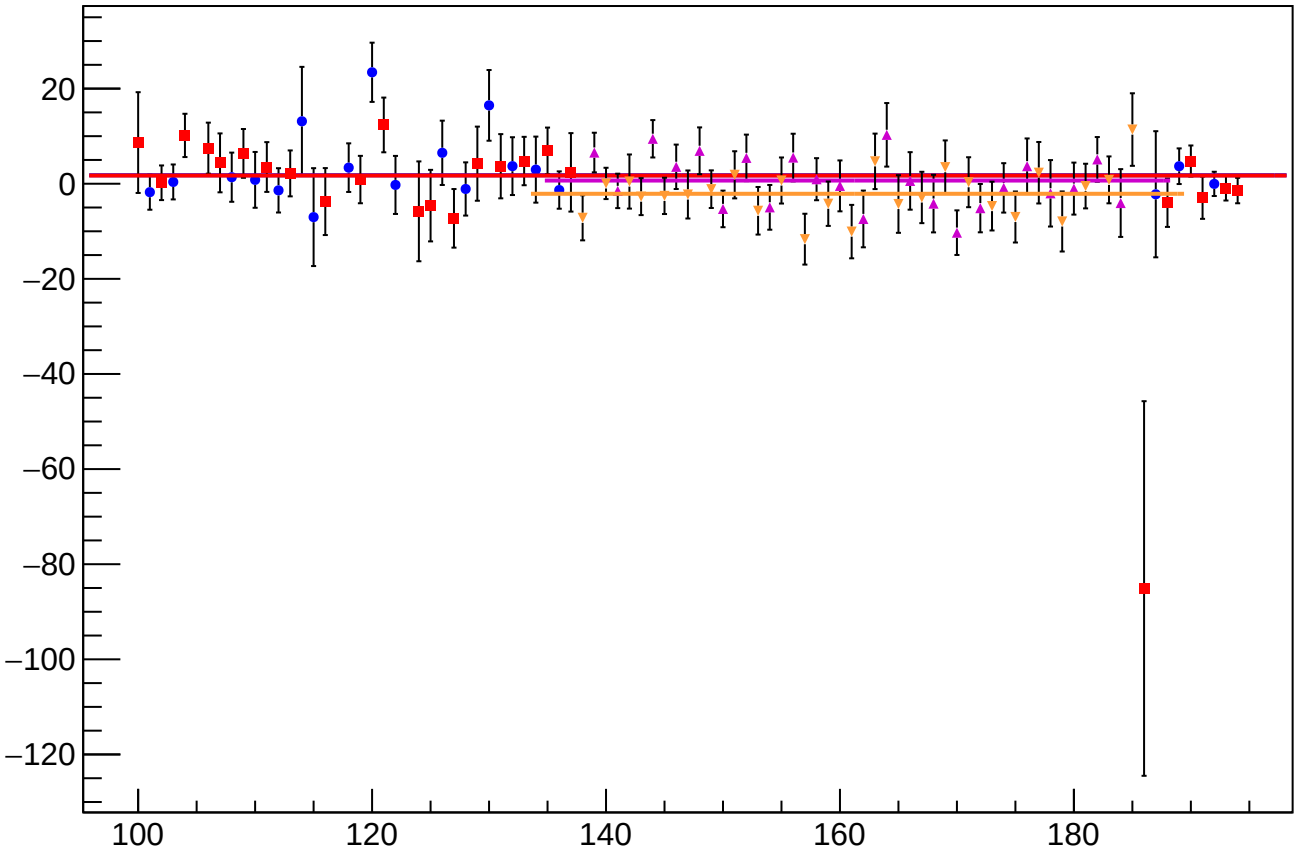
Left: 5517.842+/-0.639 χ^2/NDF: 602690.2/47

Right: 11184.776+/-1.911 χ^2/NDF: 5550906.6/43

In: 6057.020+/-0.869 χ^2/NDF:5594549.2/41

Out: 6118.011+/-0.846 χ^2/NDF:8467107.1/49

All: 6088.309+/-0.606 χ^2/NDF: 14064184.9/9



Right In: 1.781+/-1.130 χ^2/NDF: 21.9/18

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: 1.725+/-0.970 χ^2/NDF: 26.0/24

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

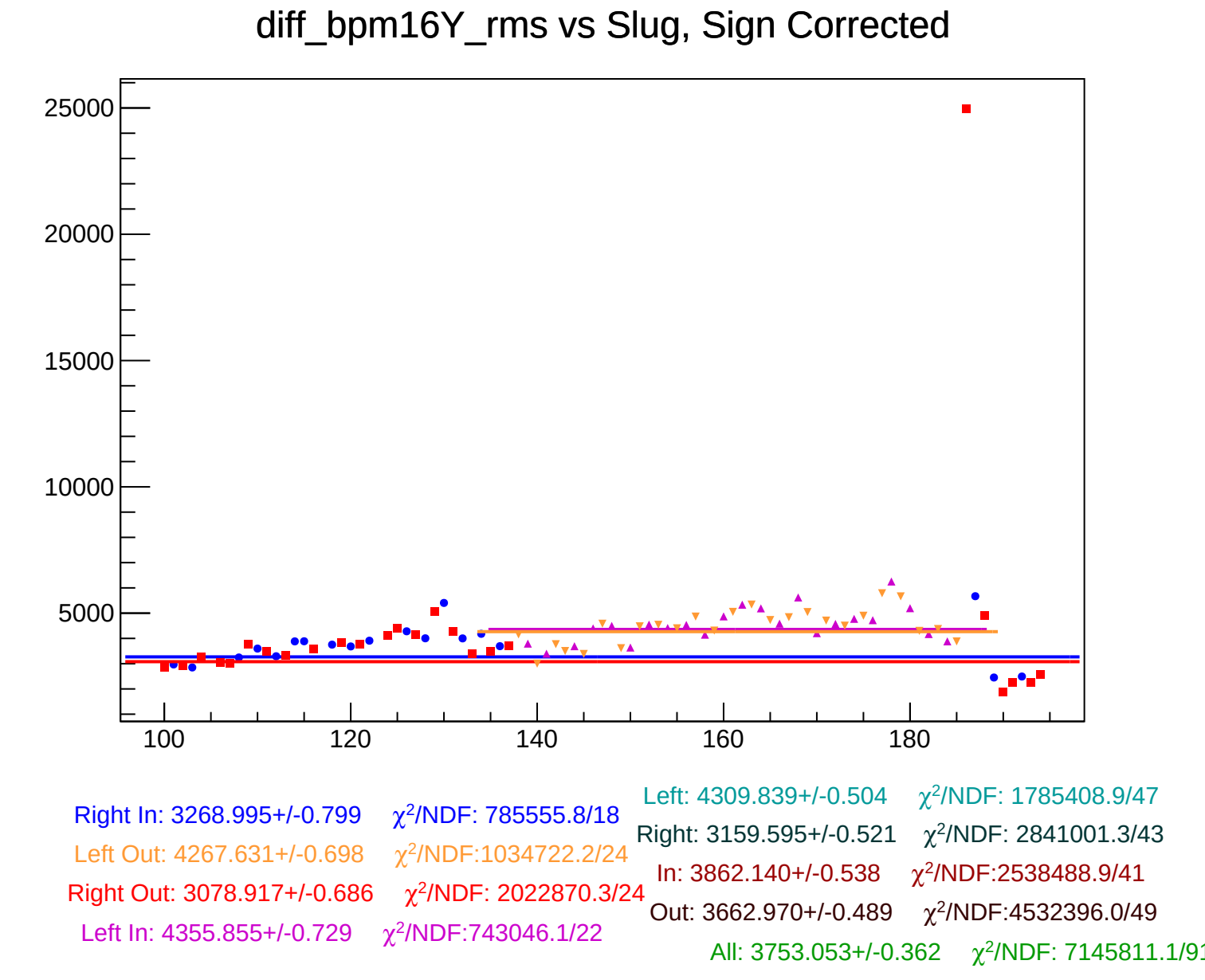
Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

Right: 1.749+/-0.736 χ^2/NDF: 47.8/43

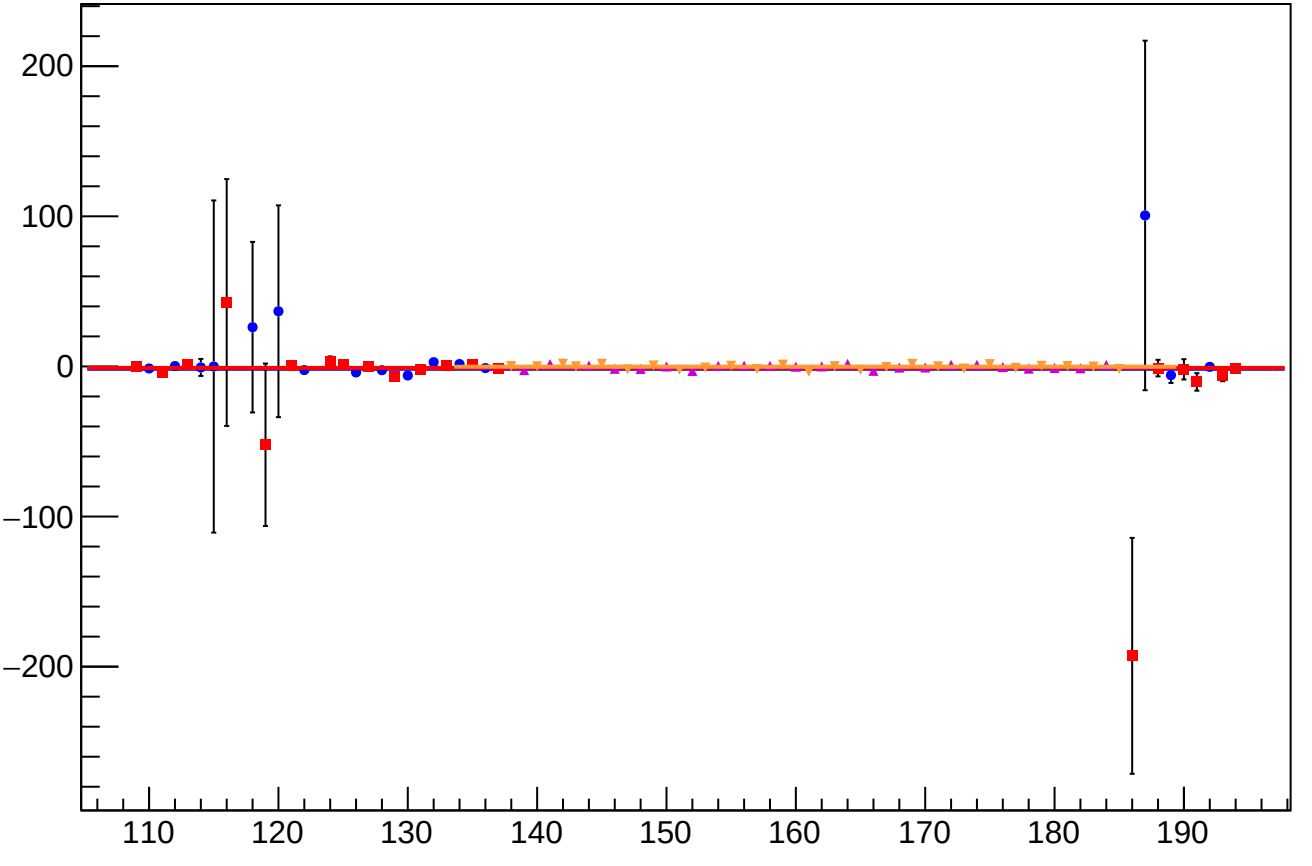
In: 1.175+/-0.762 χ^2/NDF:50.7/41

Out: -0.162+/-0.692 χ^2/NDF:51.2/49

All: 0.443+/-0.512 χ^2/NDF: 103.6/91


diff_bpm16Y_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
Right In: 3268.995+/-0.799 χ²/NDF: 785555.8/18
Left Out: 4267.631+/-0.698 χ²/NDF:1034722.2/24
Right Out: 3078.917+/-0.686 χ²/NDF: 2022870.3/24
Left In: 4355.855+/-0.729 χ²/NDF:743046.1/22
Left: 4309.839+/-0.504 χ²/NDF: 1785408.9/47
Right: 3159.595+/-0.521 χ²/NDF: 2841001.3/43
In: 3862.140+/-0.538 χ²/NDF:2538488.9/41
Out: 3662.970+/-0.489 χ²/NDF:4532396.0/49
All: 3753.053+/-0.362 χ²/NDF: 7145811.1/91

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.550+/-0.707 χ^2/NDF: 12.7/15

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: -0.987+/-0.673 χ^2/NDF: 23.9/19

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

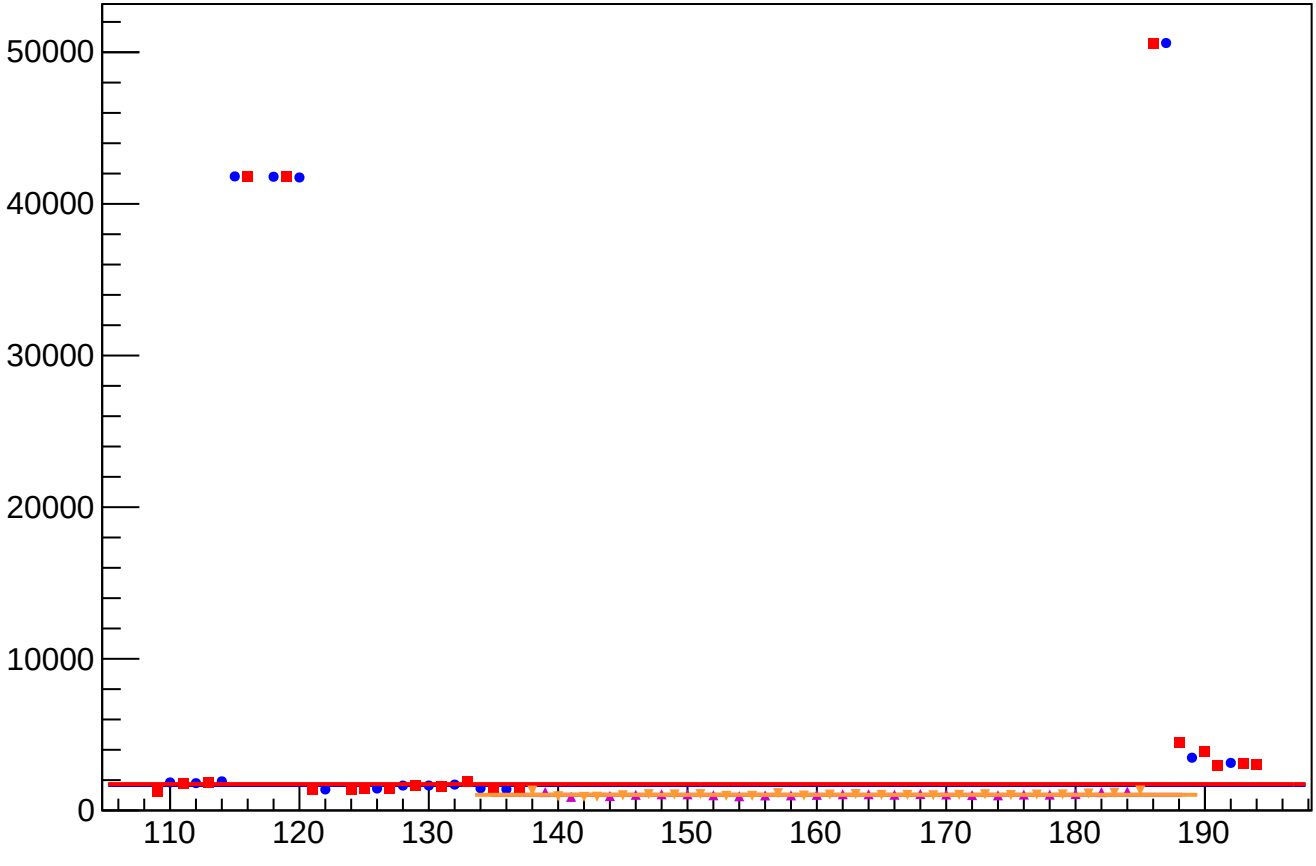
Right: -1.255+/-0.488 χ^2/NDF: 36.9/35

In: -0.461+/-0.229 χ^2/NDF:44.8/38

Out: -0.287+/-0.222 χ^2/NDF:59.0/44

All: -0.371+/-0.160 χ^2/NDF: 104.1/83

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1679.304+/-0.500 χ^2/NDF: 3078788.4/15

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1738.449+/-0.476 χ^2/NDF: 4093808.8/19

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

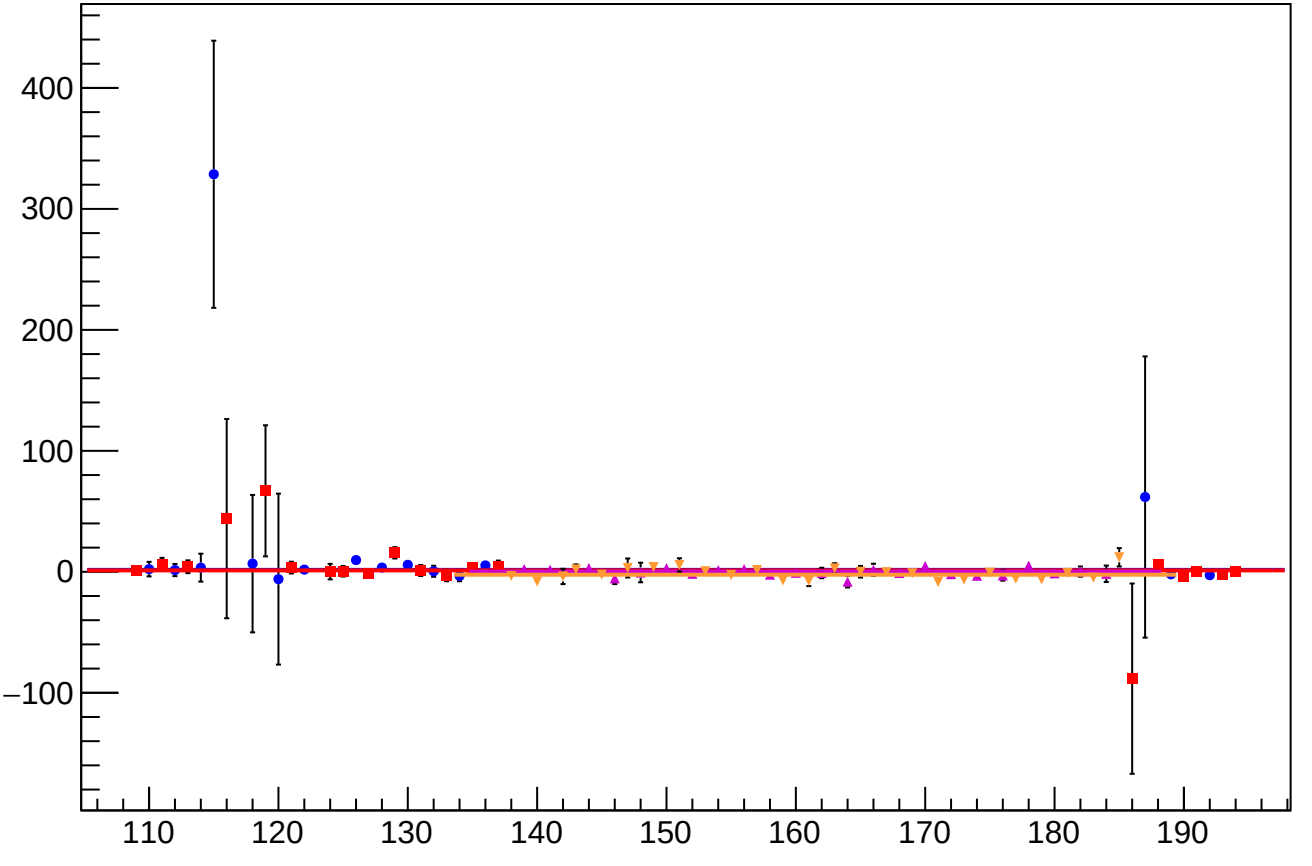
Right: 1710.351+/-0.345 χ^2/NDF: 7179937.0/35

In: 1100.545+/-0.162 χ^2/NDF:4761735.4/38

Out: 1108.614+/-0.157 χ^2/NDF:6304592.7/44

All: 1104.702+/-0.113 χ^2/NDF: 11067606.2/8

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 1.597+/-1.010 χ^2/NDF: 24.3/15

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: 1.198+/-0.871 χ^2/NDF: 23.4/19

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

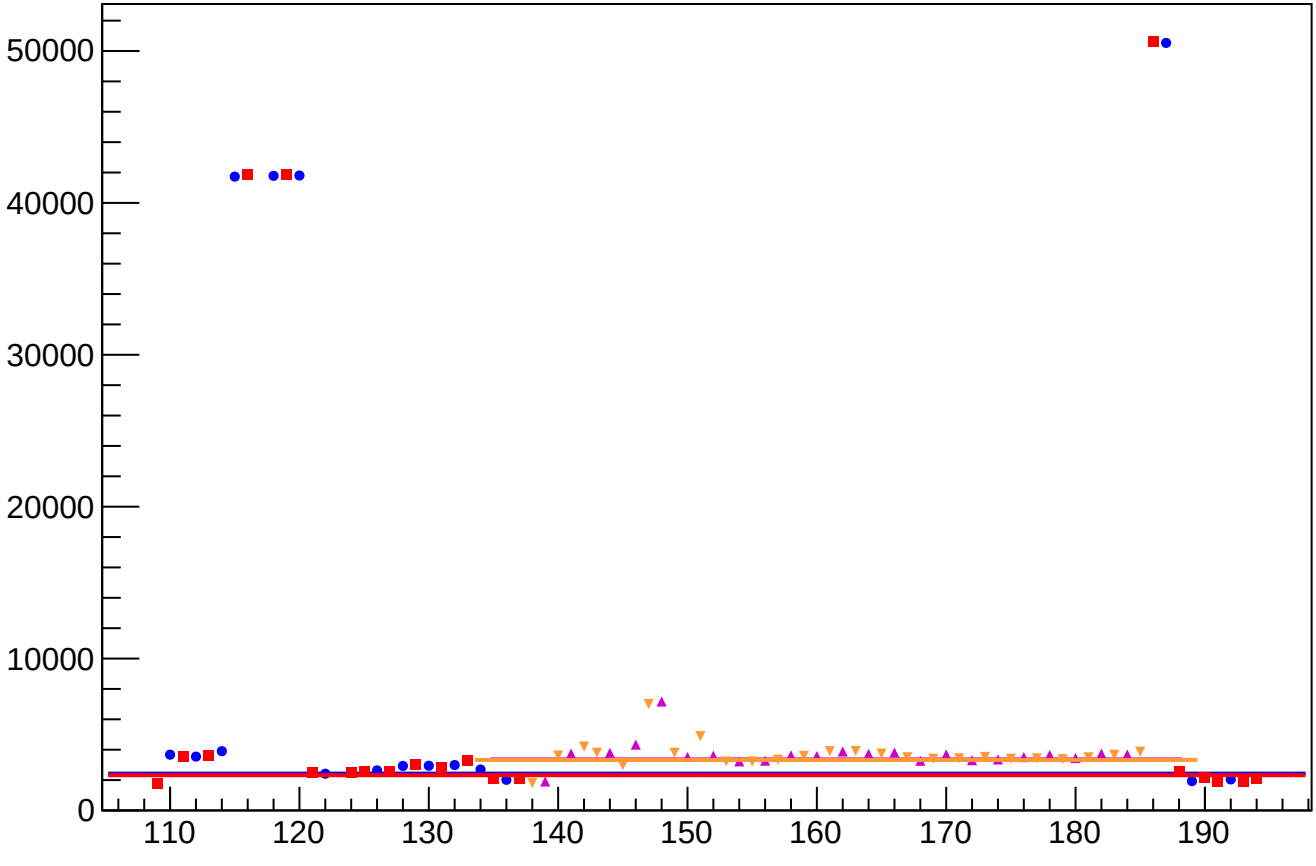
Right: 1.368+/-0.660 χ^2/NDF: 47.8/35

In: 0.729+/-0.632 χ^2/NDF:38.2/38

Out: -0.783+/-0.582 χ^2/NDF:57.0/44

All: -0.089+/-0.428 χ^2/NDF: 98.4/83

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2425.353+/-0.714 χ^2/NDF: 2694814.5/15

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 2320.168+/-0.616 χ^2/NDF: 2890680.5/19

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

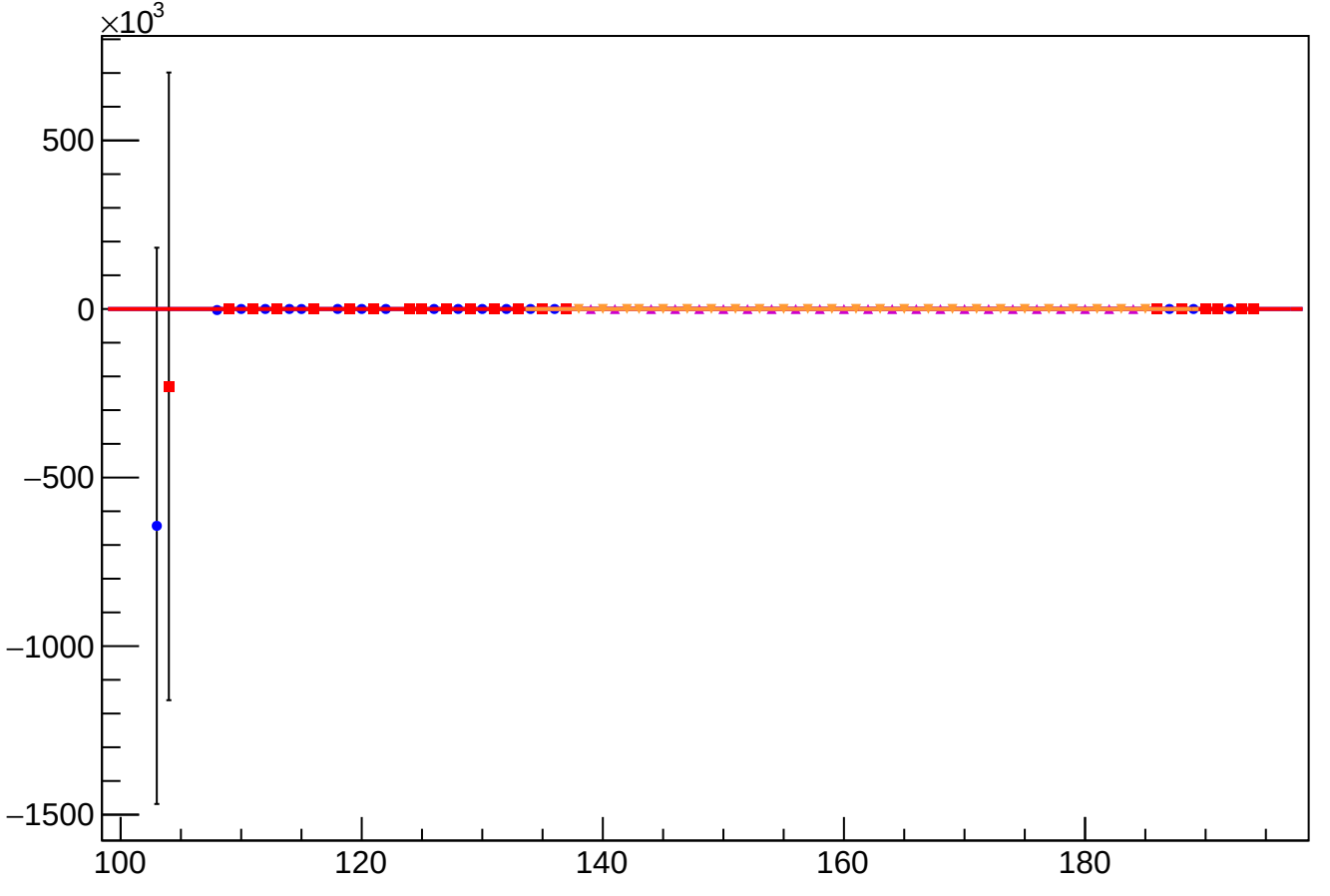
Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

Right: 2365.021+/-0.466 χ^2/NDF: 5597931.5/35

In: 2994.959+/-0.447 χ^2/NDF:5388413.9/38

Out: 2878.293+/-0.411 χ^2/NDF:6289394.5/44

All: 2931.845+/-0.303 χ^2/NDF: 11714705.4/8



Right In: -1.255+/-0.925 χ^2/NDF: 18.9/17

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: 2.508+/-0.851 χ^2/NDF: 21.6/20

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

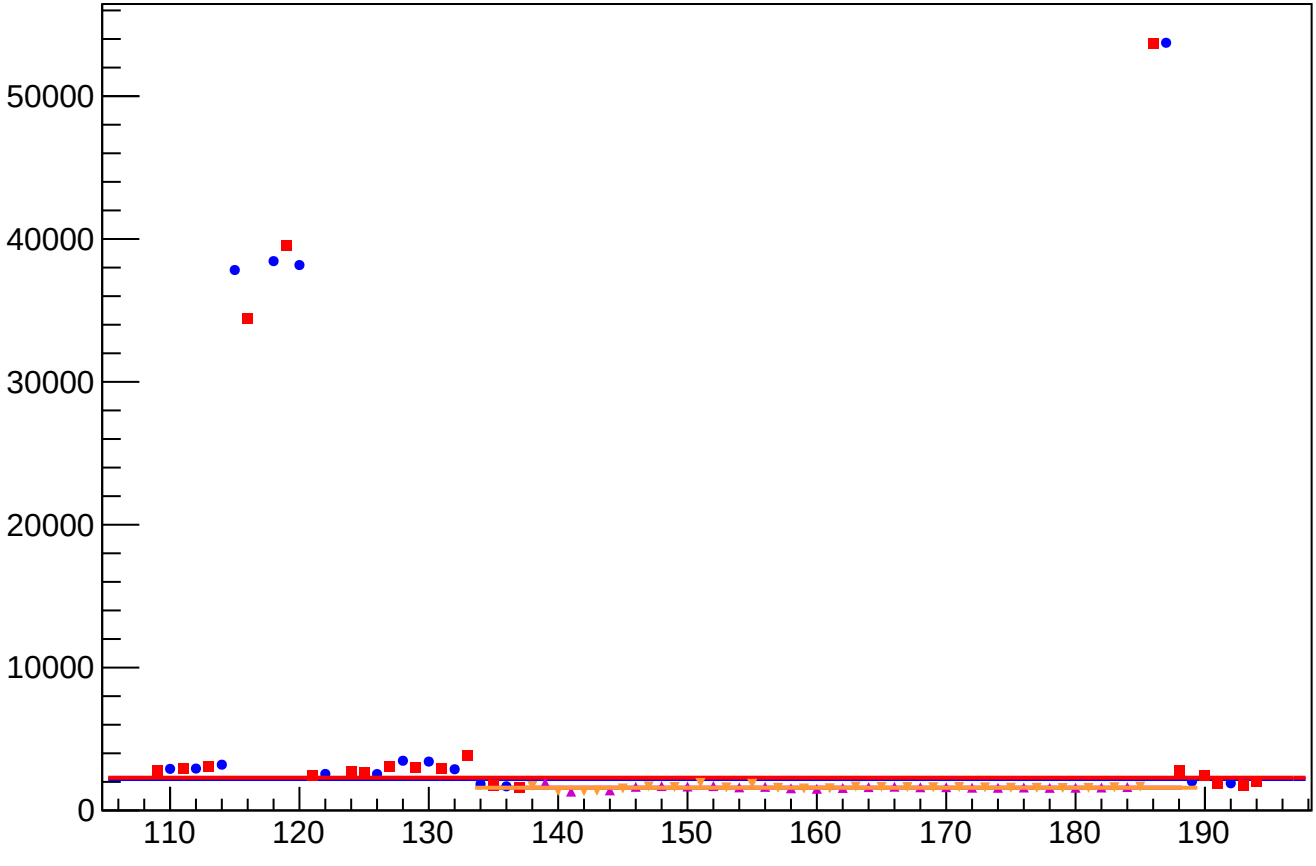
Right: 0.783+/-0.627 χ^2/NDF: 49.4/38

In: -0.192+/-0.347 χ^2/NDF:47.7/40

Out: -0.945+/-0.334 χ^2/NDF:91.3/45

All: -0.583+/-0.241 χ^2/NDF: 141.5/86

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2200.292+/-0.654 χ^2/NDF: 2885625.9/15

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2292.478+/-0.602 χ^2/NDF: 3136539.7/19

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

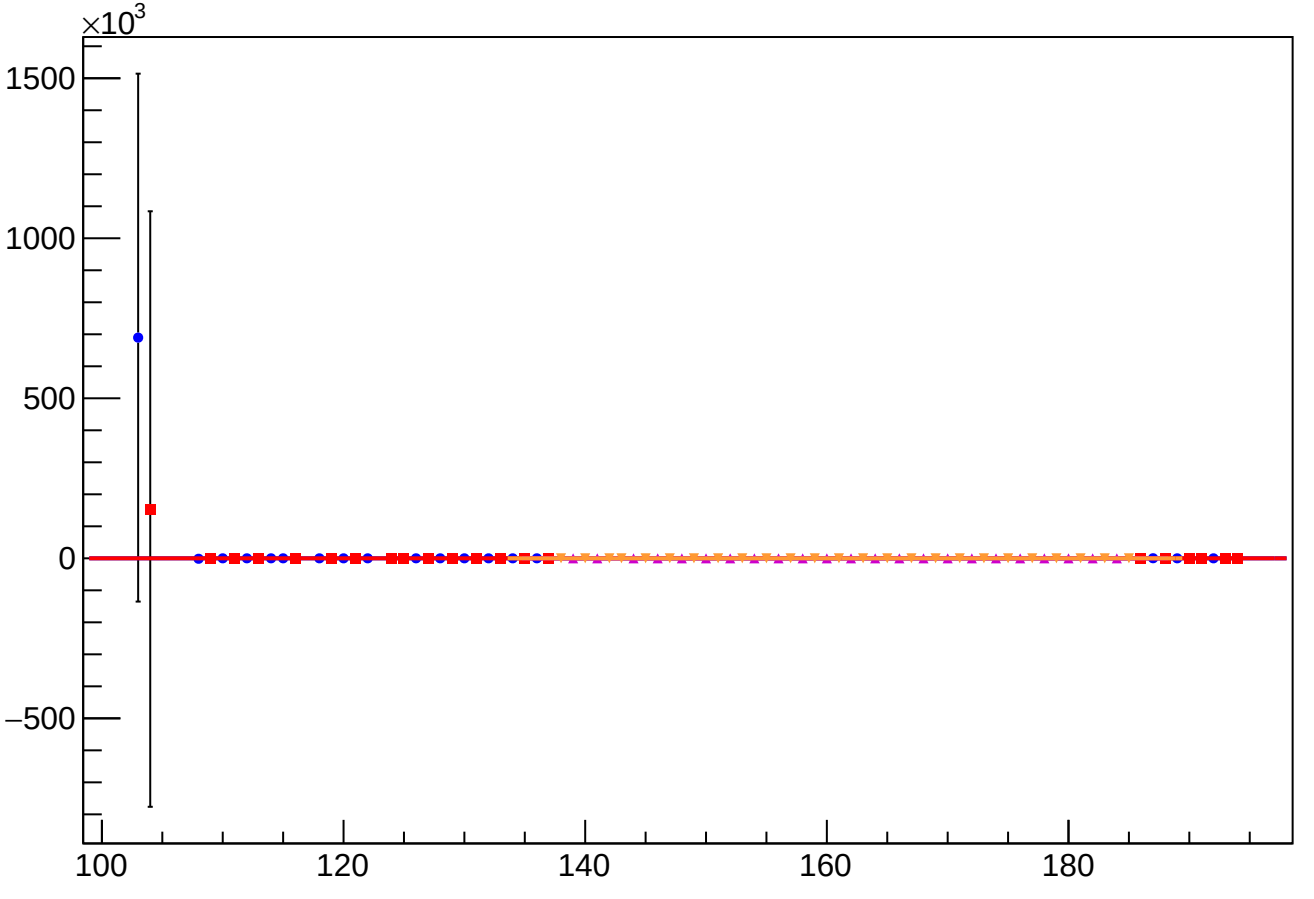
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2250.213+/-0.443 χ^2/NDF: 6032914.2/35

In: 1681.179+/-0.245 χ^2/NDF:3814915.8/38

Out: 1697.560+/-0.236 χ^2/NDF:4522795.0/44

All: 1689.688+/-0.170 χ^2/NDF: 8340024.7/83



Right In: 0.503+/-0.855 χ^2/NDF: 12.6/17

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: 0.475+/-0.726 χ^2/NDF: 24.4/20

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

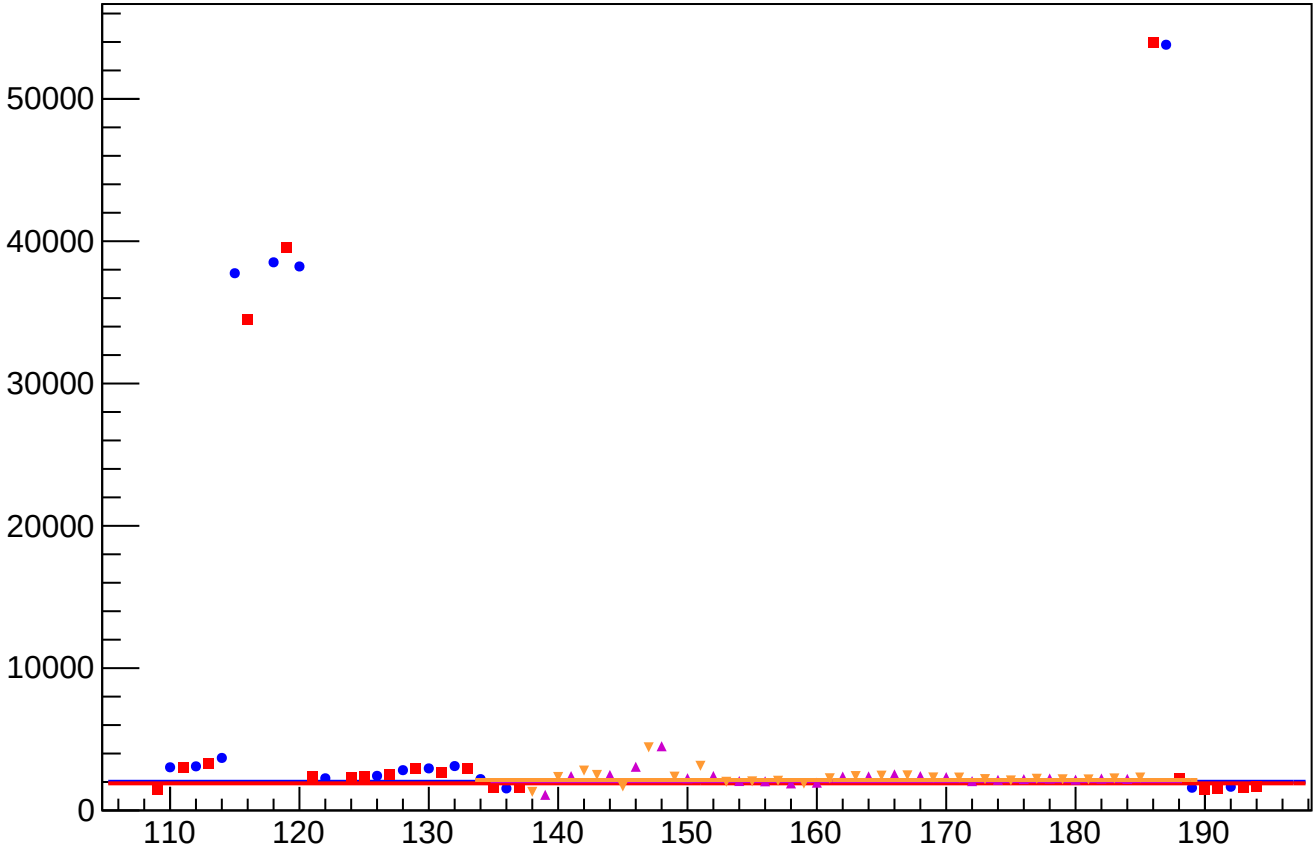
Right: 0.487+/-0.553 χ^2/NDF: 36.9/38

In: 0.036+/-0.432 χ^2/NDF:29.9/40

Out: -0.643+/-0.413 χ^2/NDF:52.3/45

All: -0.319+/-0.299 χ^2/NDF: 83.4/86

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2014.191+/-0.604 χ^2/NDF: 3089858.9/15

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1905.271+/-0.513 χ^2/NDF: 3313999.6/19

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

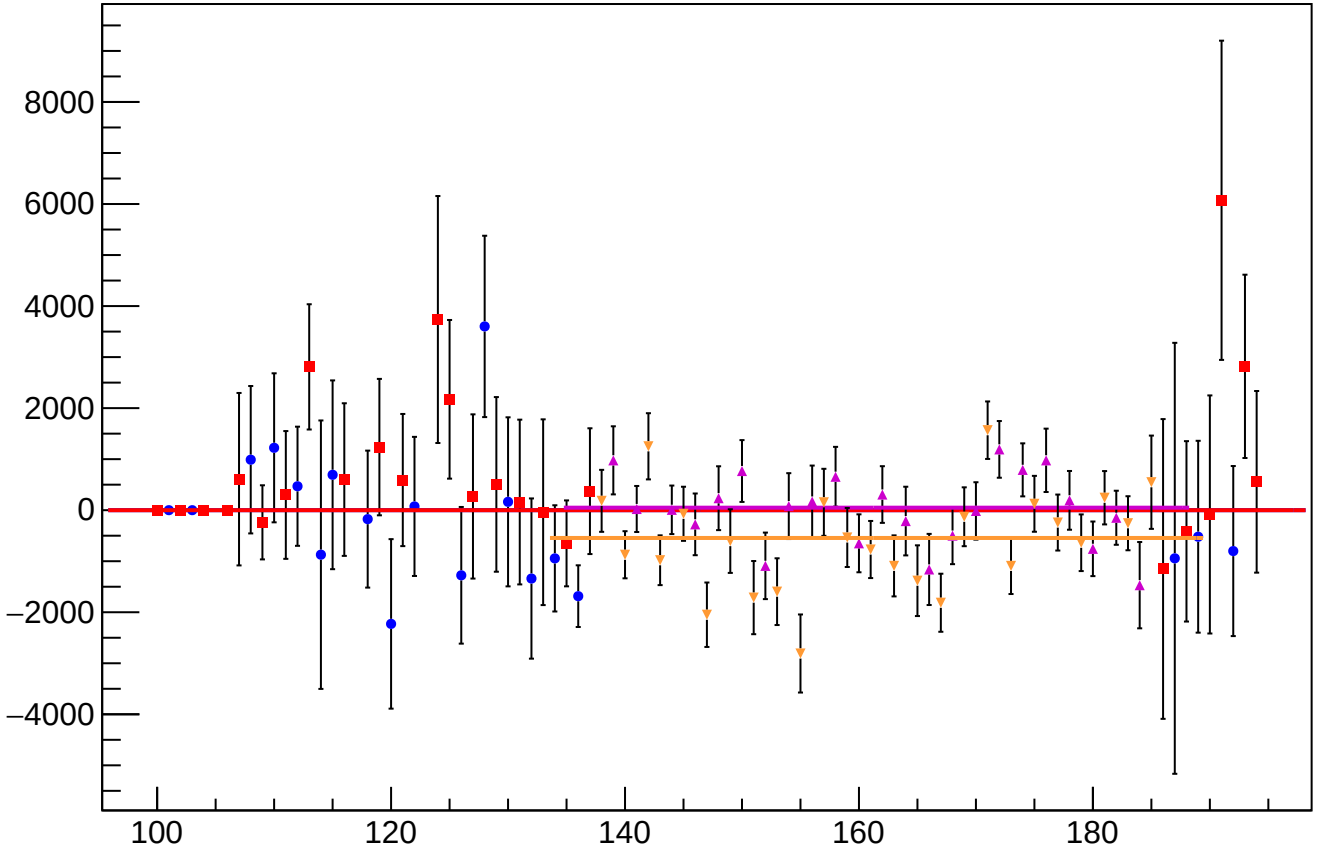
Right: 1950.924+/-0.391 χ^2/NDF: 6422724.7/35

In: 2046.949+/-0.306 χ^2/NDF:5387409.0/38

Out: 2063.475+/-0.292 χ^2/NDF:4934443.8/44

All: 2055.587+/-0.211 χ^2/NDF: 10323379.9/8

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.255+/-0.356 χ^2/NDF: 18.1/18

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: -0.096+/-0.328 χ^2/NDF: 22.0/24

Left In: 49.119+/-121.932 χ^2/NDF:28.0/22

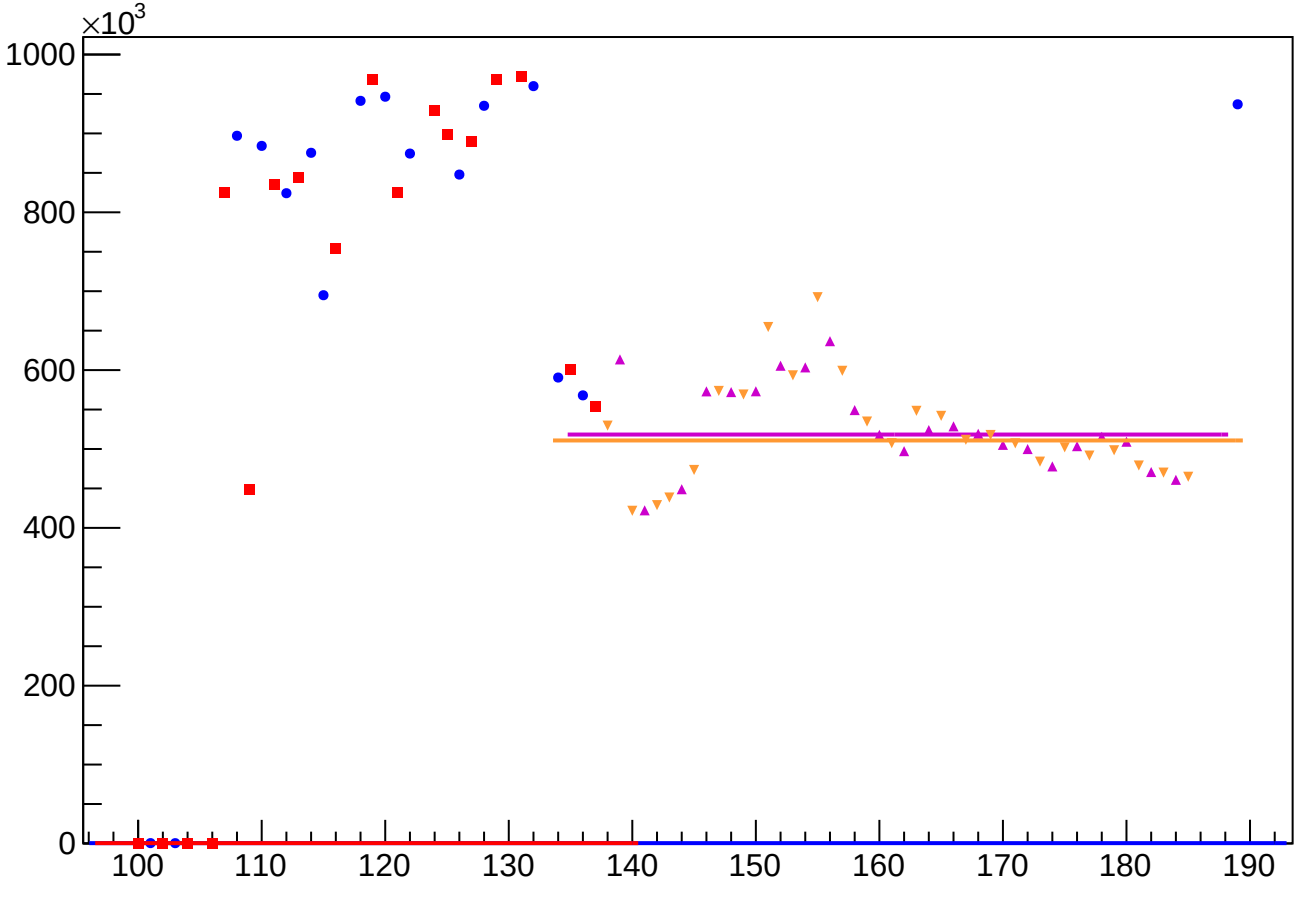
Left: -259.505+/-84.479 χ^2/NDF: 101.1/47

Right: 0.065+/-0.241 χ^2/NDF: 40.6/43

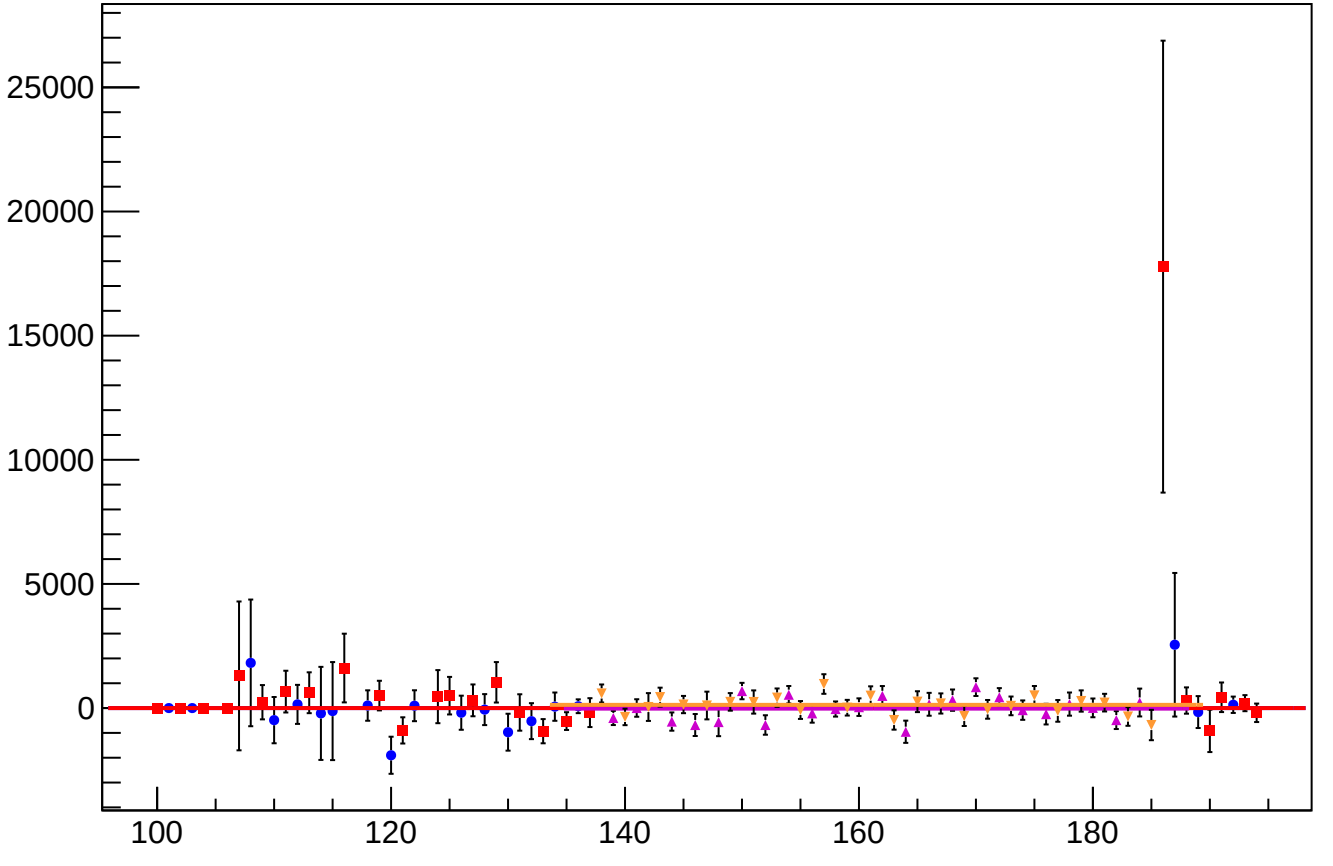
In: 0.256+/-0.356 χ^2/NDF:46.2/41

Out: -0.100+/-0.328 χ^2/NDF:104.4/49

All: 0.063+/-0.241 χ^2/NDF: 151.2/91


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: 11.5/18

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: -0.599+/-0.324 χ^2/NDF: 21.5/24

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

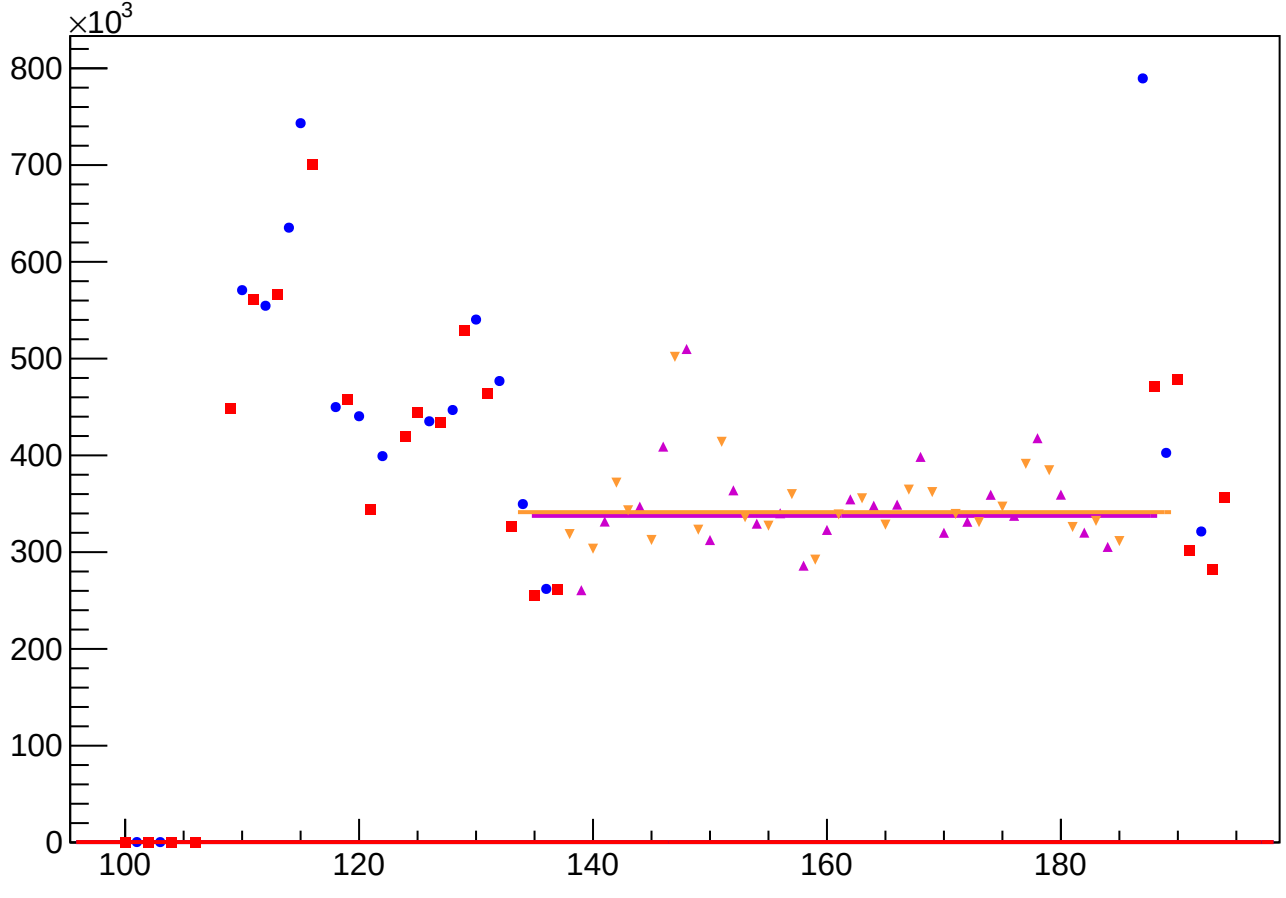
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.330+/-0.237 χ^2/NDF: 34.4/43

In: -0.021+/-0.347 χ^2/NDF:45.2/41

Out: -0.596+/-0.324 χ^2/NDF:44.3/49

All: -0.328+/-0.237 χ^2/NDF: 91.0/91



Right In: 390.748+/-0.245 χ^2/NDF: 13823153.1/17

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 388.866+/-0.229 χ^2/NDF: 17100786.6/22

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

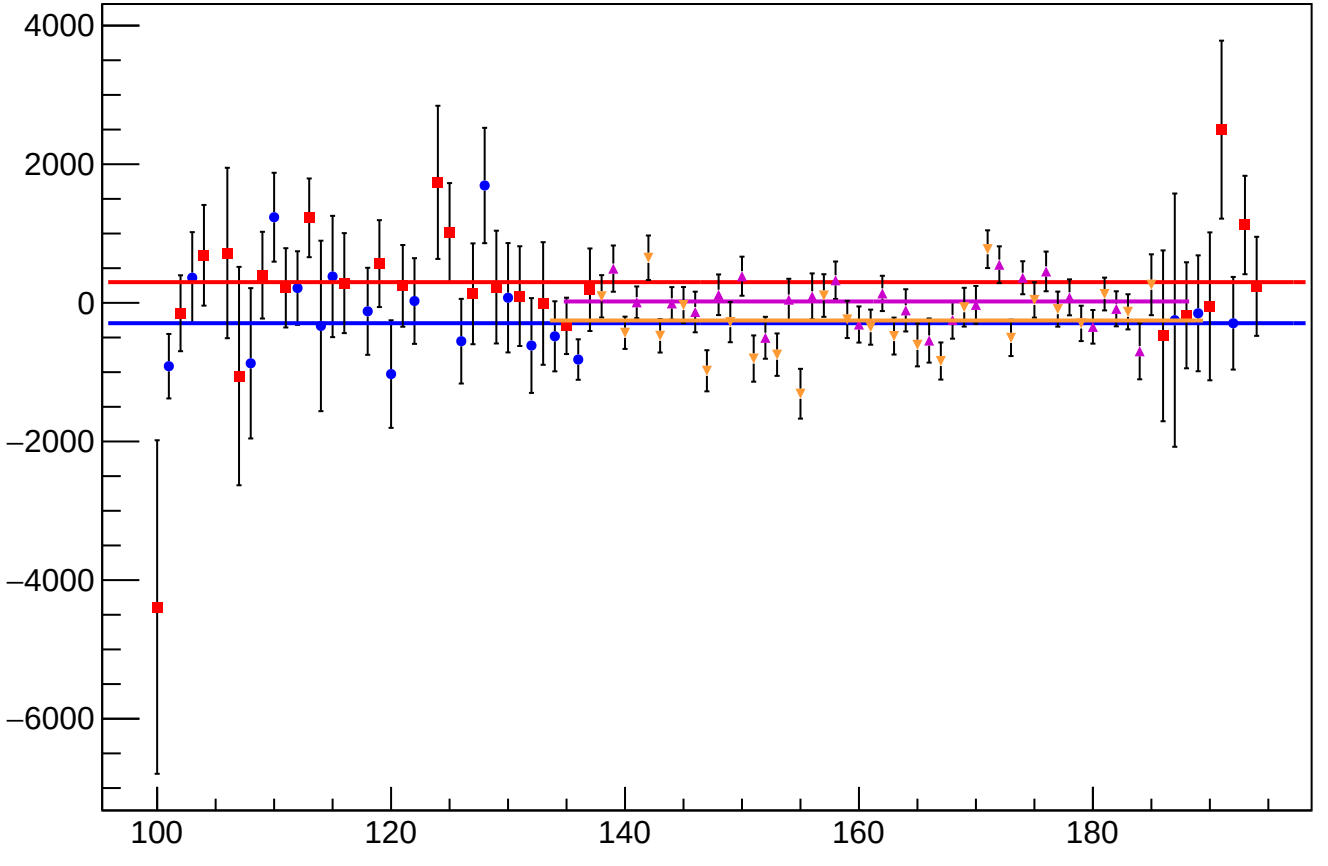
Right: 389.741+/-0.167 χ^2/NDF: 30923971.1/40

In: 397.131+/-0.245 χ^2/NDF:50141673.6/40

Out: 394.704+/-0.229 χ^2/NDF:55472108.1/47

All: 395.833+/-0.167 χ^2/NDF: 105613834.0/8

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -293.580+/-141.399 χ^2/NDF: 21.2/18

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: 298.759+/-143.472 χ^2/NDF: 19.1/24

Left In: 20.176+/-57.484 χ^2/NDF:28.6/22

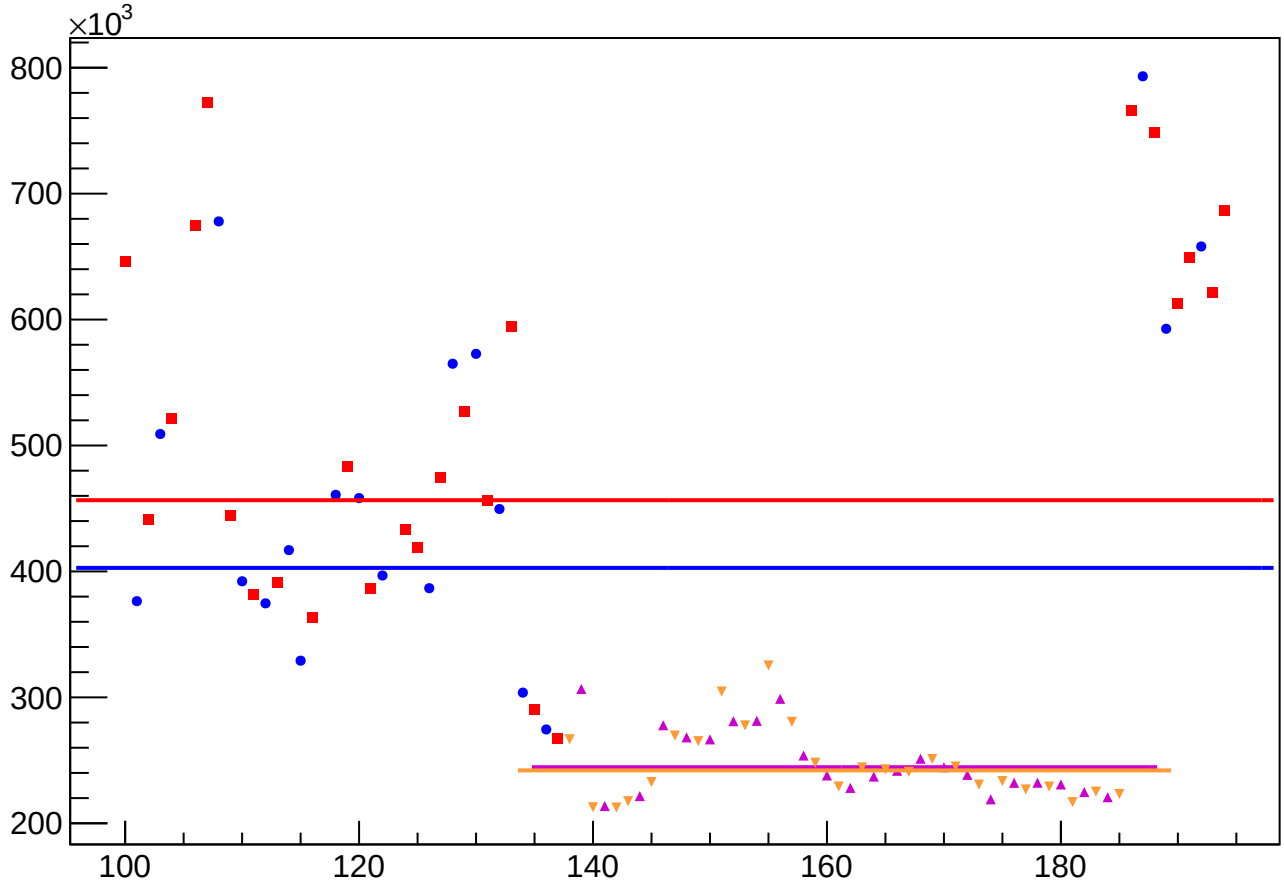
Left: -122.121+/-39.897 χ^2/NDF: 101.7/47

Right: -1.720+/-100.709 χ^2/NDF: 48.9/43

In: -24.325+/-53.252 χ^2/NDF:54.0/41

Out: -182.560+/-51.695 χ^2/NDF:93.3/49

All: -105.788+/-37.092 χ^2/NDF: 151.9/91



Right In: 402816.663+/-100.001 χ^2/NDF: 1362651.8/18

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 456555.383+/-101.521 χ^2/NDF: 1716204.9/24

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

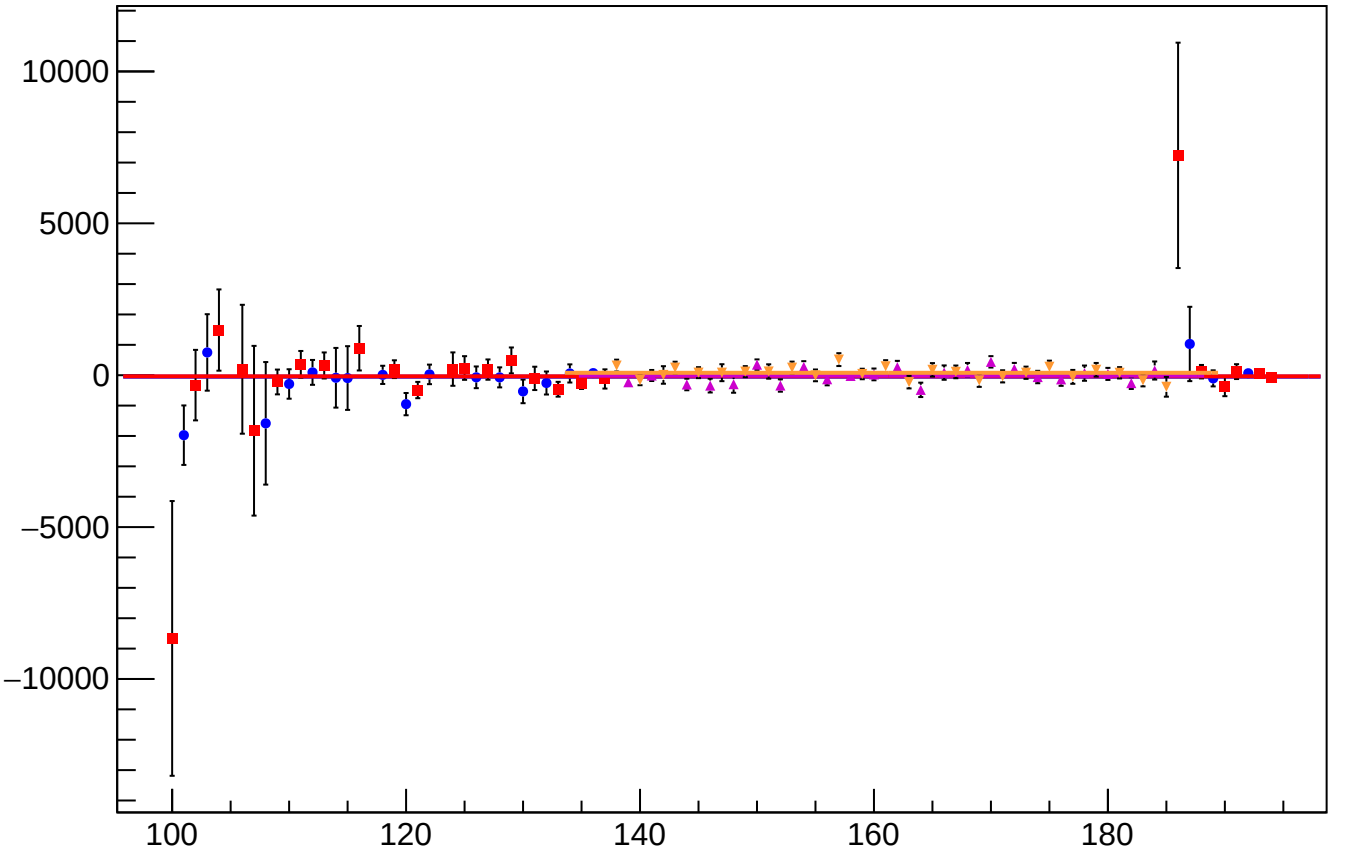
Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

Right: 429280.650+/-71.243 χ^2/NDF: 3221068.1/43

In: 266984.413+/-37.655 χ^2/NDF:3874009.8/41

Out: 269828.707+/-36.557 χ^2/NDF:6016442.2/49

All: 268448.638+/-26.230 χ^2/NDF: 9893389.



Right In: -47.726+/-70.896 χ^2/NDF: 15.5/18

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: -36.852+/-59.869 χ^2/NDF: 25.6/24

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

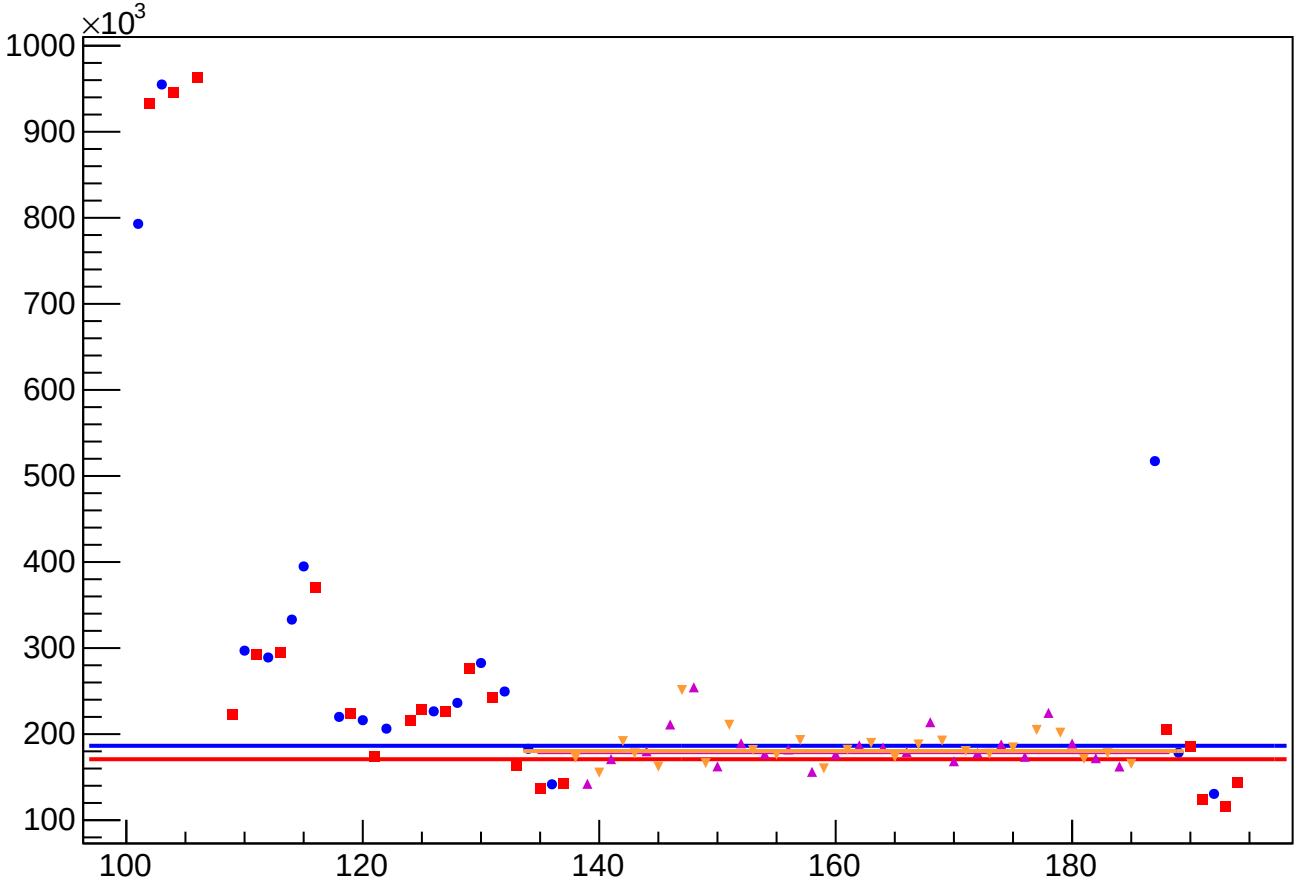
Right: -41.379+/-45.741 χ^2/NDF: 41.1/43

In: -22.857+/-36.283 χ^2/NDF:48.9/41

Out: 41.979+/-33.996 χ^2/NDF:47.9/49

All: 11.669+/-24.808 χ^2/NDF: 98.4/91

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 186444.357+/-50.188 χ^2/NDF: 2596799.7/17

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 170832.650+/-42.389 χ^2/NDF: 2891839.9/21

Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

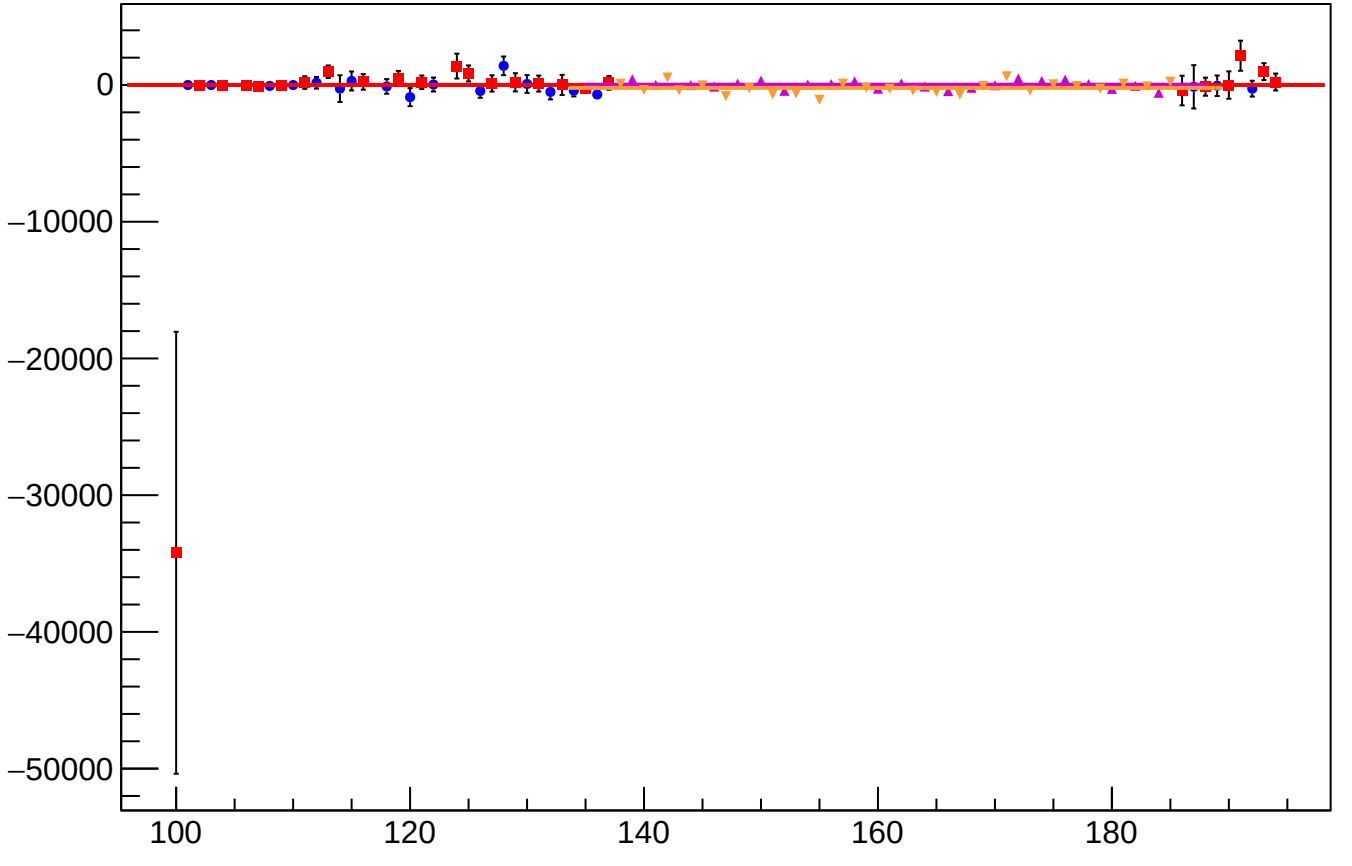
Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

Right: 177332.560+/-32.384 χ^2/NDF: 5545115.1/39

In: 180964.444+/-25.664 χ^2/NDF:3114343.7/40

Out: 177281.726+/-24.049 χ^2/NDF:3272571.0/46

All: 179003.587+/-17.548 χ^2/NDF: 6397878.



Right In: -0.035+/-0.172 χ^2/NDF: 18.4/18

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: 0.355+/-0.160 χ^2/NDF: 23.1/24

Left In: 21.095+/-48.037 χ^2/NDF:28.6/22

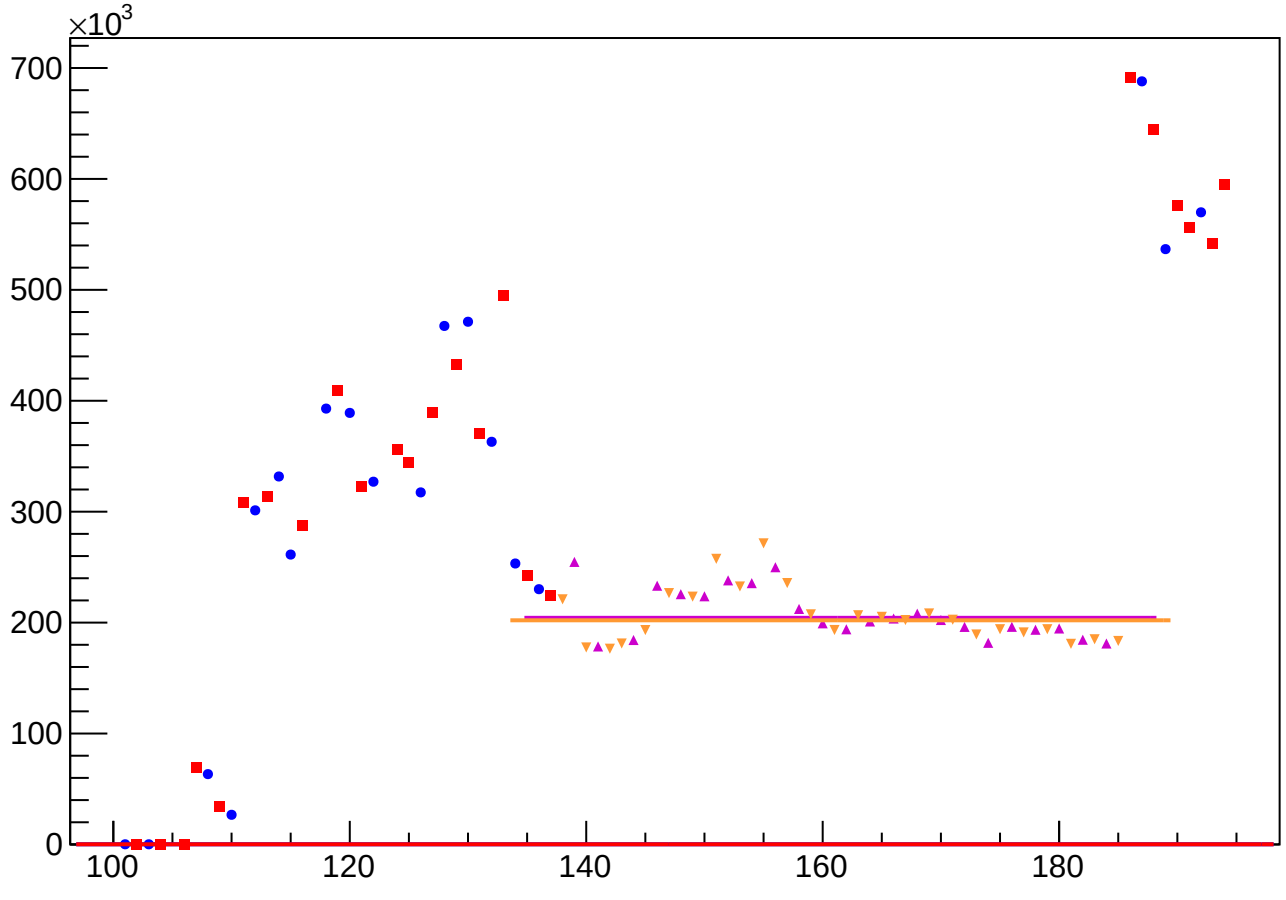
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 44.2/43

In: -0.035+/-0.172 χ^2/NDF:47.1/41

Out: 0.353+/-0.160 χ^2/NDF:104.9/49

All: 0.173+/-0.117 χ^2/NDF: 154.8/91



Right In: 149.179+/-0.122 χ^2/NDF: 14638754.1/18

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.534+/-0.113 χ^2/NDF: 18563167.2/23

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

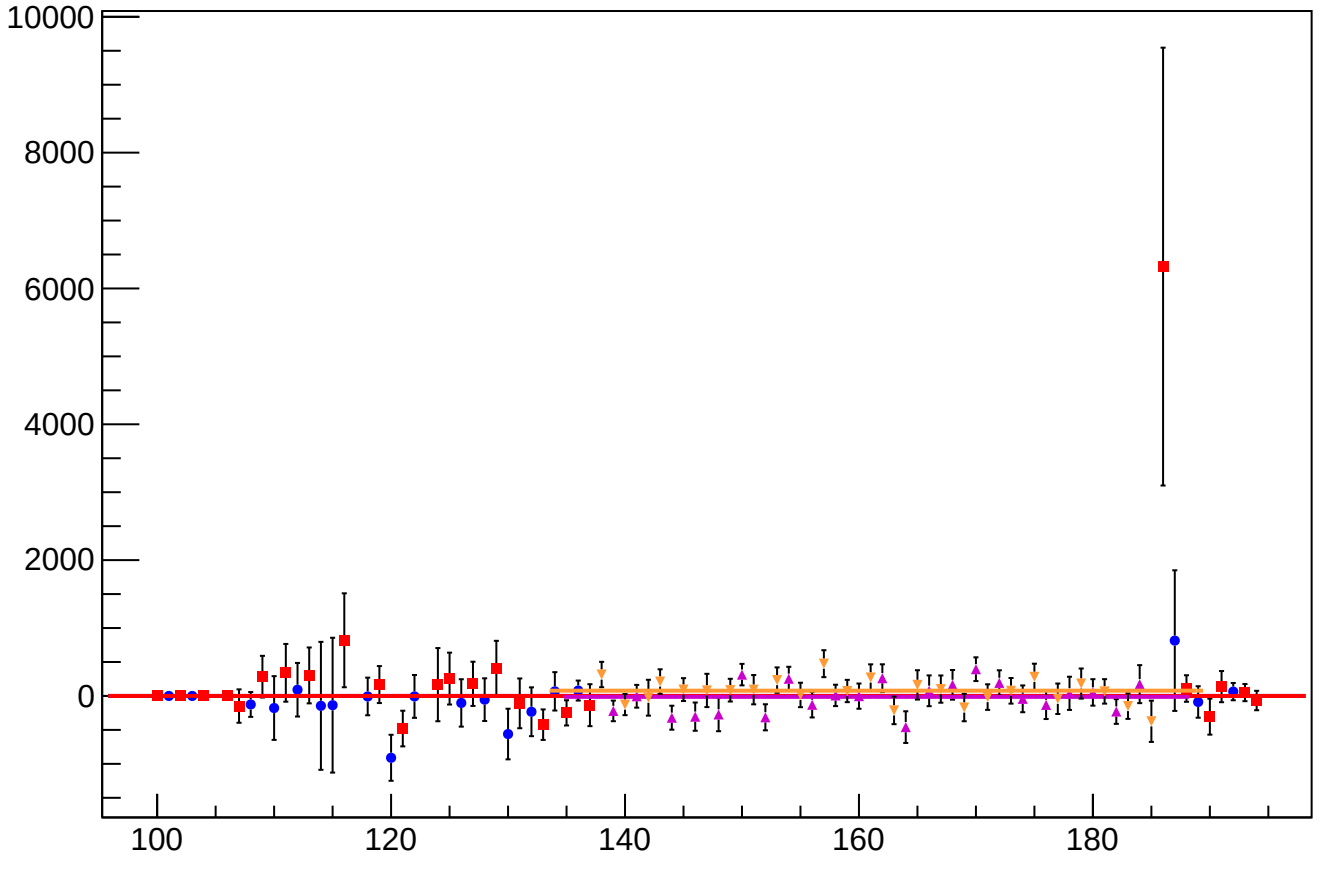
Right: 149.370+/-0.083 χ^2/NDF: 33201925.9/42

In: 151.804+/-0.122 χ^2/NDF:51141543.3/41

Out: 151.951+/-0.113 χ^2/NDF:57058945.7/48

All: 151.883+/-0.083 χ^2/NDF: 108200489.8/9

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.177 χ^2/NDF: 12.2/18

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: -0.126+/-0.166 χ^2/NDF: 21.5/24

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

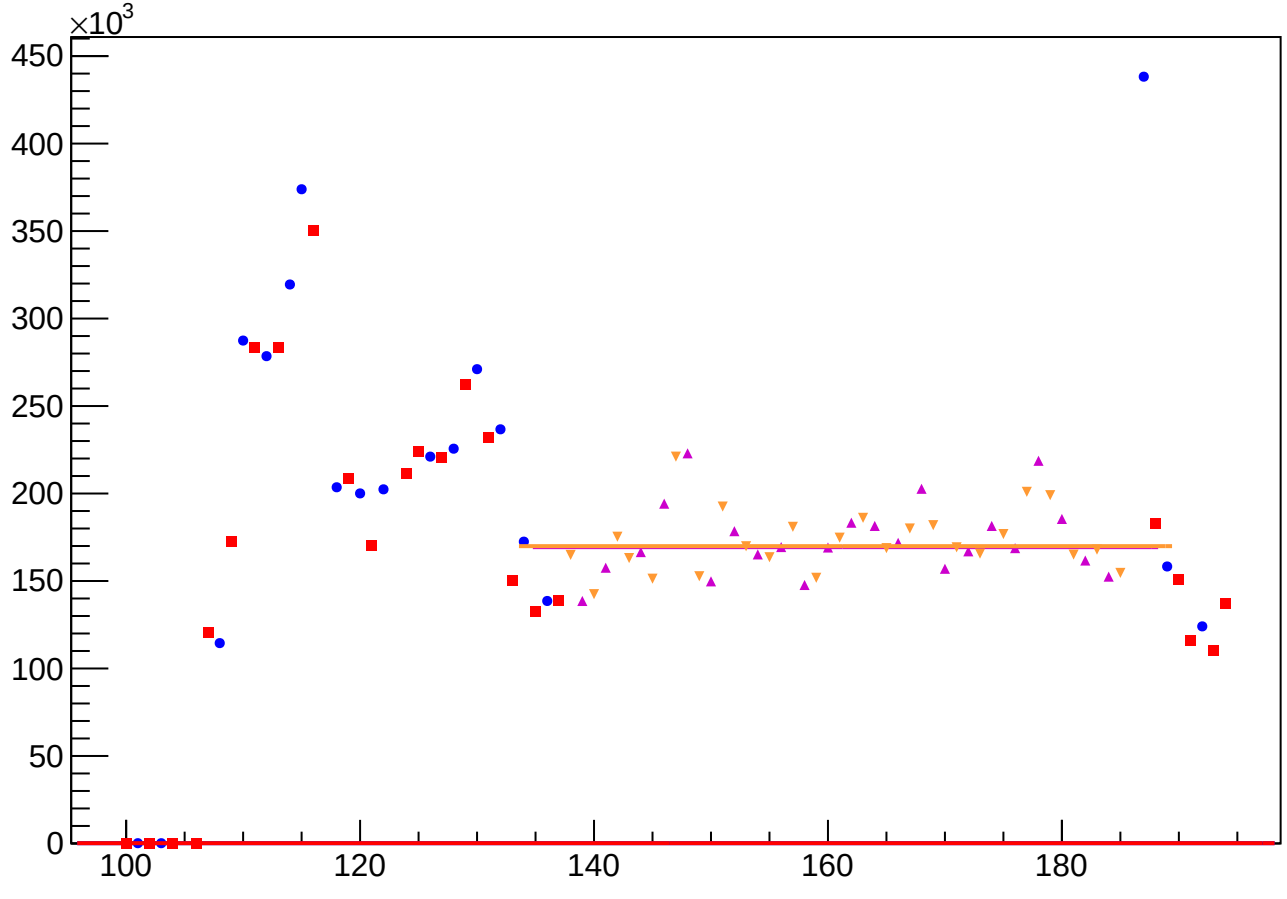
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.099+/-0.121 χ^2/NDF: 33.7/43

In: -0.068+/-0.177 χ^2/NDF:45.0/41

Out: -0.125+/-0.166 χ^2/NDF:44.5/49

All: -0.098+/-0.121 χ^2/NDF: 89.6/91



Right In: 153.805+/-0.125 χ^2/NDF: 15088838.9/18

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 156.788+/-0.118 χ^2/NDF: 17587161.8/23

Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

Left: 169641.366+/-19.708 χ^2/NDF: 839022.8/47

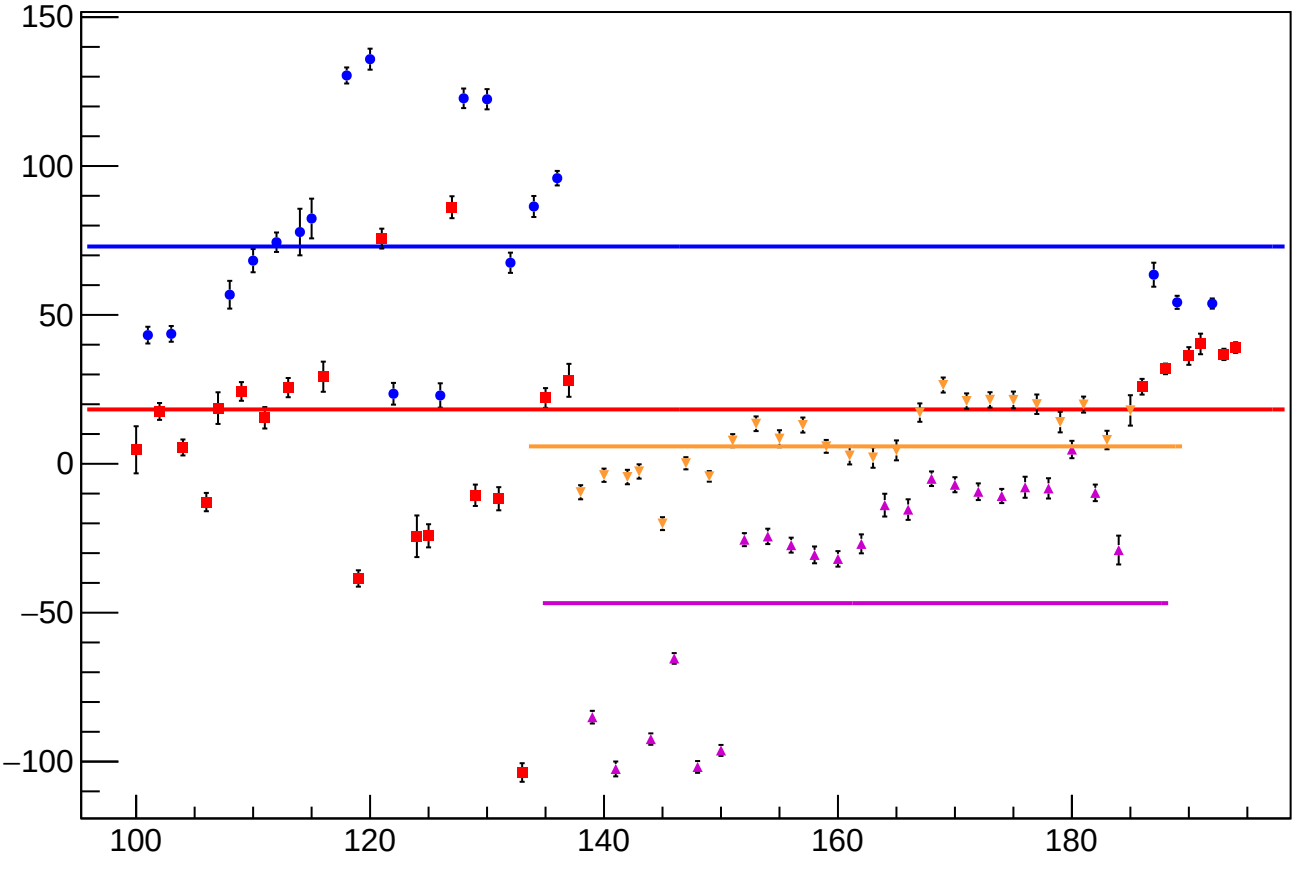
Right: 155.390+/-0.086 χ^2/NDF: 32676301.6/42

In: 157.139+/-0.125 χ^2/NDF:51474768.3/41

Out: 159.894+/-0.118 χ^2/NDF:55997891.7/48

All: 158.602+/-0.086 χ^2/NDF: 107472916.7/9

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 72.973+/-0.709 χ^2/NDF: 2105.5/18

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: 18.256+/-0.605 χ^2/NDF: 3388.3/24

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

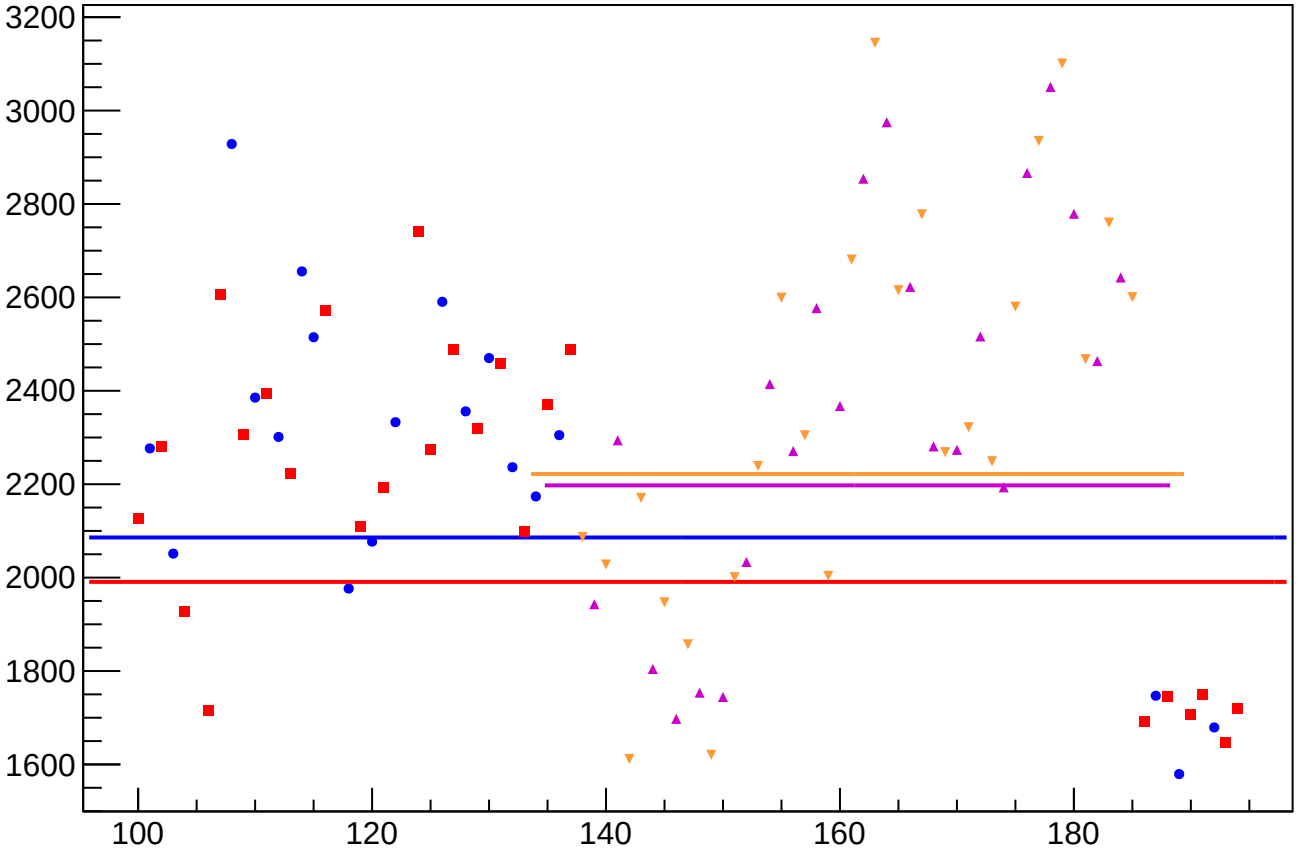
Right: 41.298+/-0.460 χ^2/NDF: 8942.2/43

In: -4.431+/-0.422 χ^2/NDF:25726.1/41

Out: 11.055+/-0.392 χ^2/NDF:4167.9/49

All: 3.883+/-0.287 χ^2/NDF: 30618.3/91

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2085.937+/-0.501 χ^2/NDF: 450888.0/18

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1990.861+/-0.428 χ^2/NDF: 523043.9/24

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

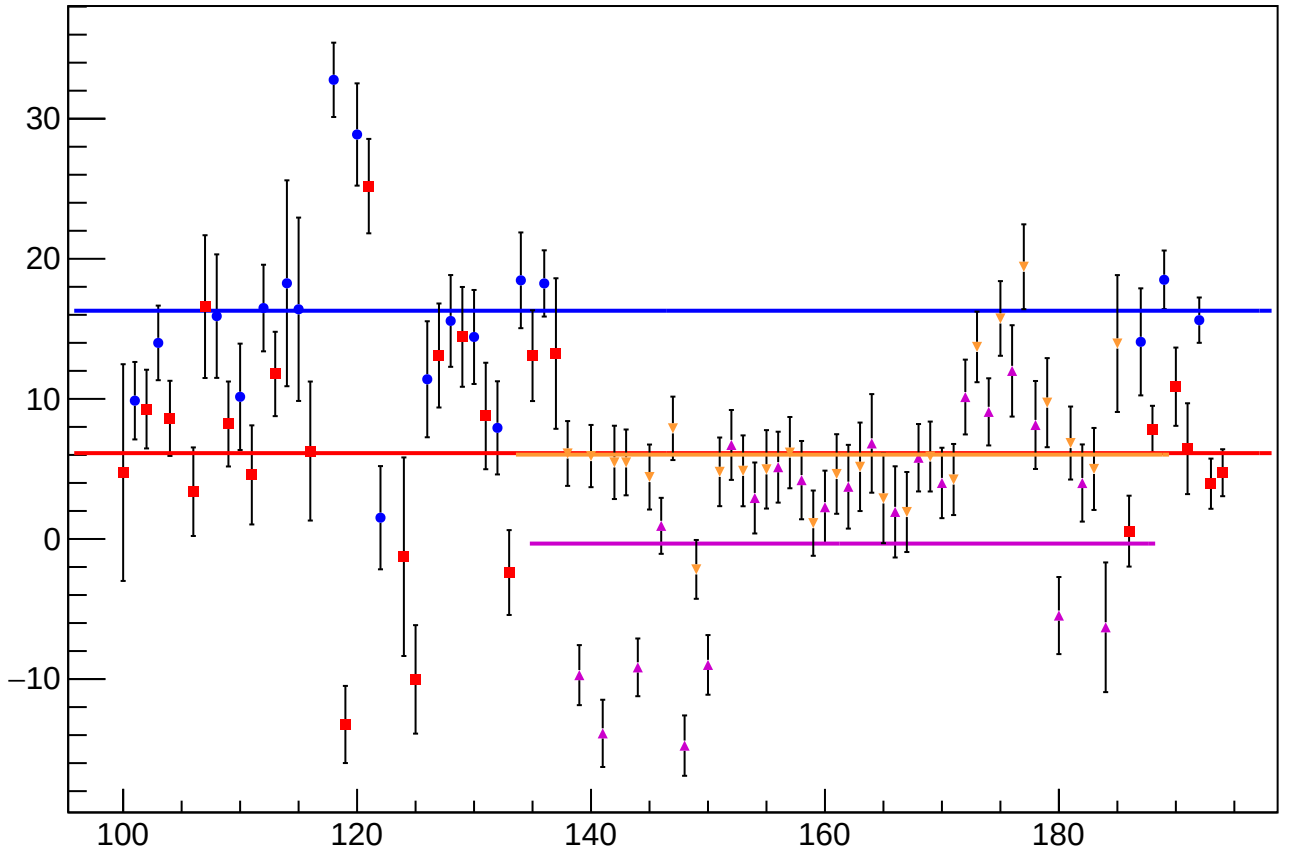
Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

Right: 2030.898+/-0.325 χ^2/NDF: 994755.6/43

In: 2158.019+/-0.298 χ^2/NDF:1587543.7/41

Out: 2124.909+/-0.277 χ^2/NDF:1876415.2/49

All: 2140.243+/-0.203 χ^2/NDF: 3470580.1/91



Right In: 16.293+/-0.689 χ^2/NDF: 86.2/18

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: 6.128+/-0.584 χ^2/NDF: 145.9/24

Left In: -0.329+/-0.535 χ^2/NDF:224.9/22

Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

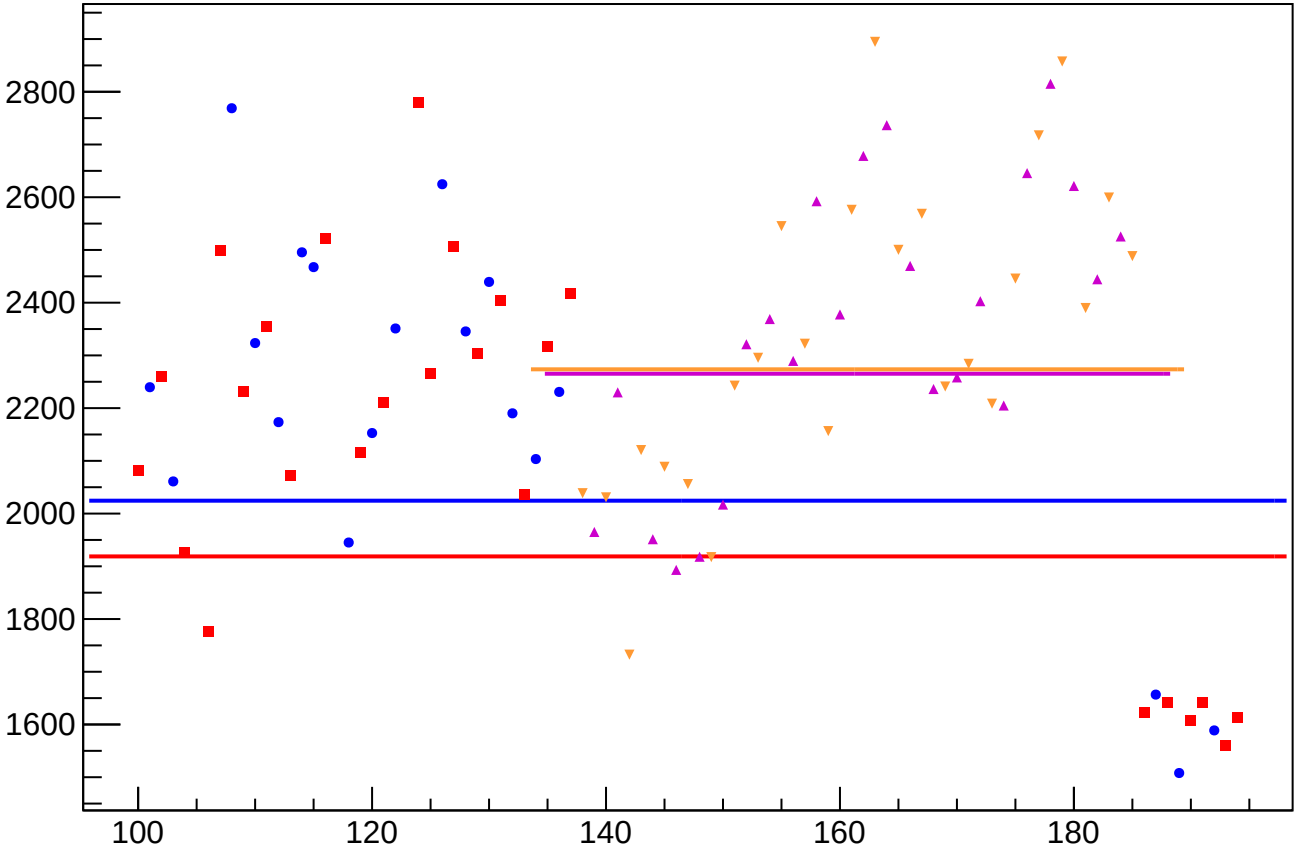
Right: 10.377+/-0.446 χ^2/NDF: 358.7/43

In: 5.914+/-0.422 χ^2/NDF:674.2/41

Out: 6.069+/-0.389 χ^2/NDF:217.7/49

All: 5.998+/-0.286 χ^2/NDF: 892.0/91

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2024.448+/-0.487 χ^2/NDF: 522699.7/18

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1918.761+/-0.413 χ^2/NDF: 642796.3/24

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

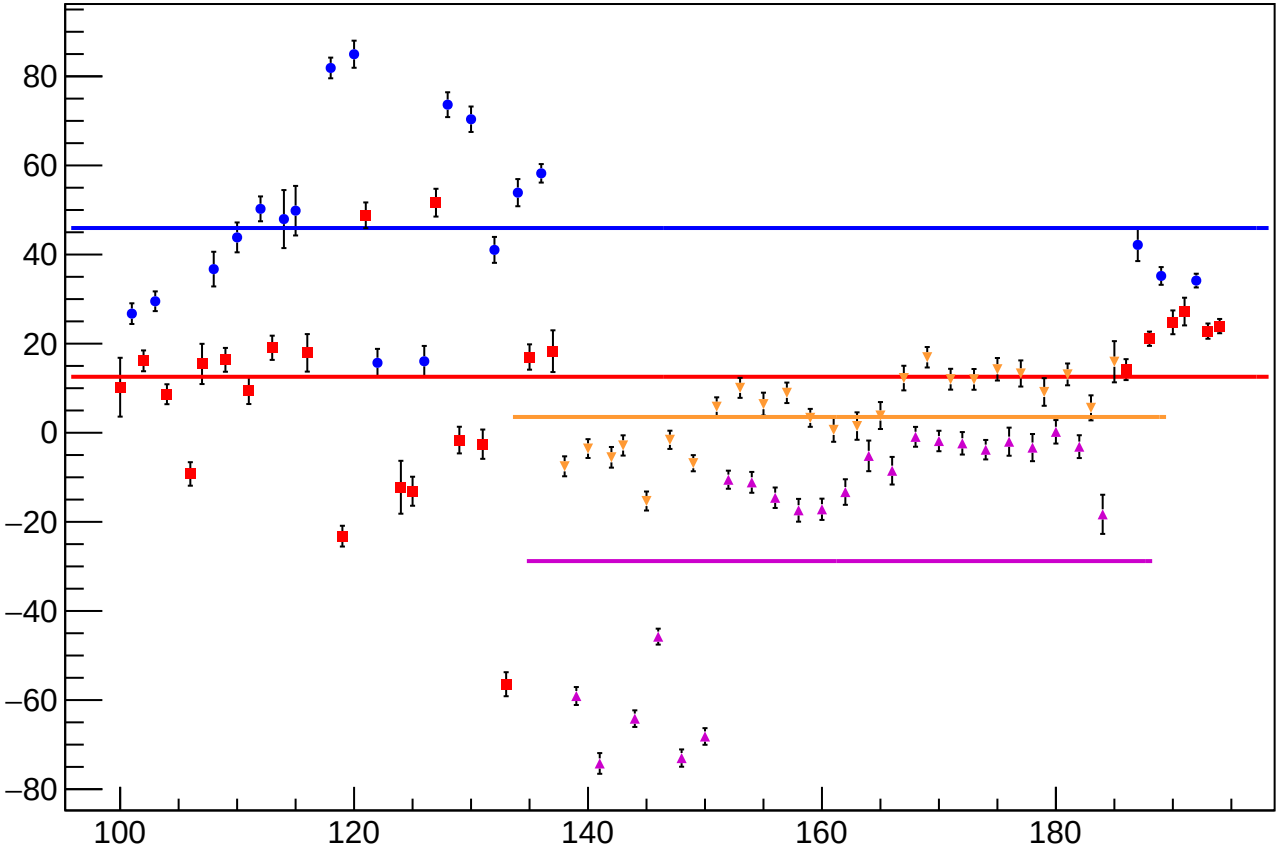
Right: 1962.937+/-0.315 χ^2/NDF: 1192863.3/43

In: 2174.812+/-0.299 χ^2/NDF:1170945.5/41

Out: 2116.448+/-0.275 χ^2/NDF:1590829.1/49

All: 2143.211+/-0.202 χ^2/NDF: 2782446.4/91

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 45.953+/-0.612 χ^2/NDF: 1010.3/18

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: 12.565+/-0.526 χ^2/NDF: 1575.0/24

Left In: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

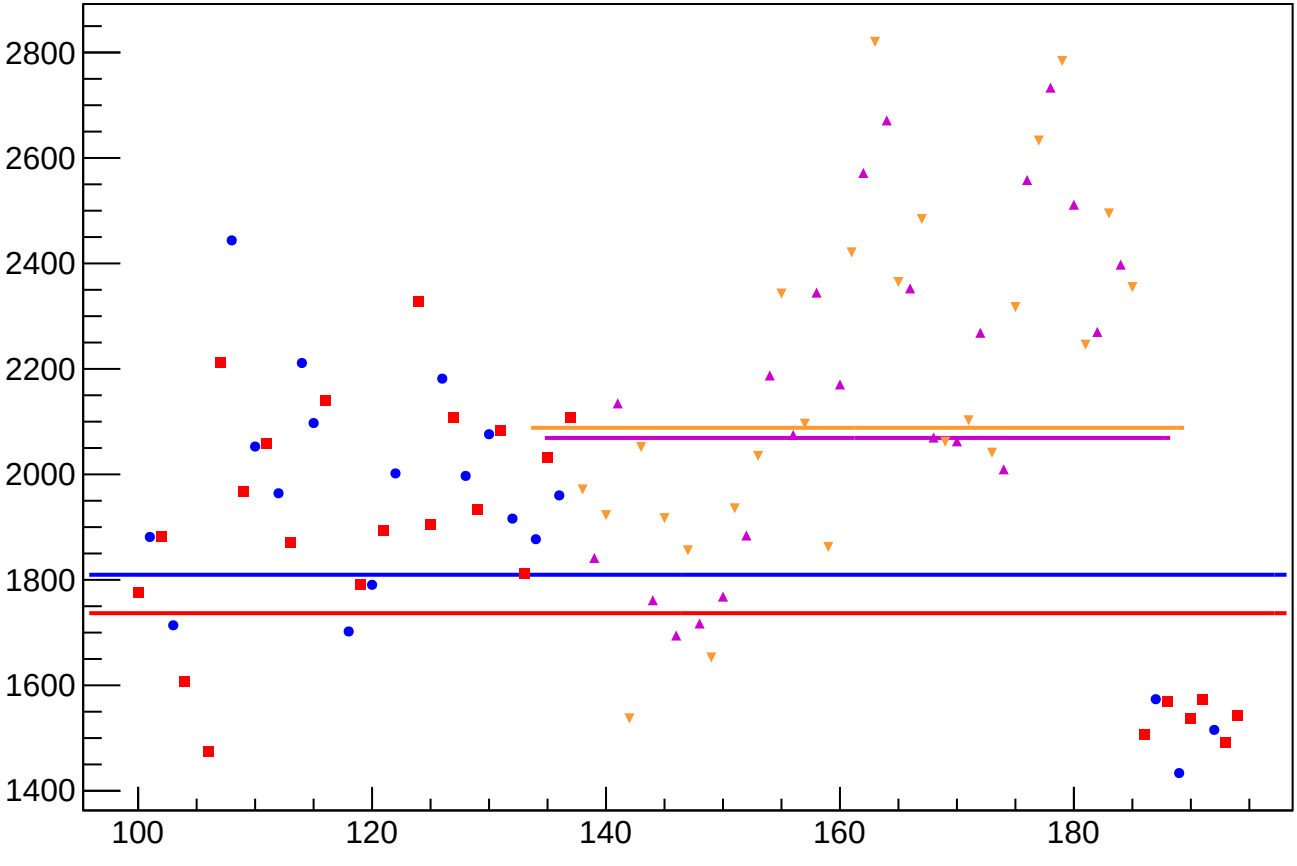
Right: 26.724+/-0.399 χ^2/NDF: 4296.8/43

In: 0.433+/-0.383 χ^2/NDF:13344.4/41

Out: 7.649+/-0.355 χ^2/NDF:2055.3/49

All: 4.319+/-0.260 χ^2/NDF: 15590.9/91

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1809.675+/-0.433 χ^2/NDF: 316691.3/18

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1736.827+/-0.372 χ^2/NDF: 371794.7/24

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

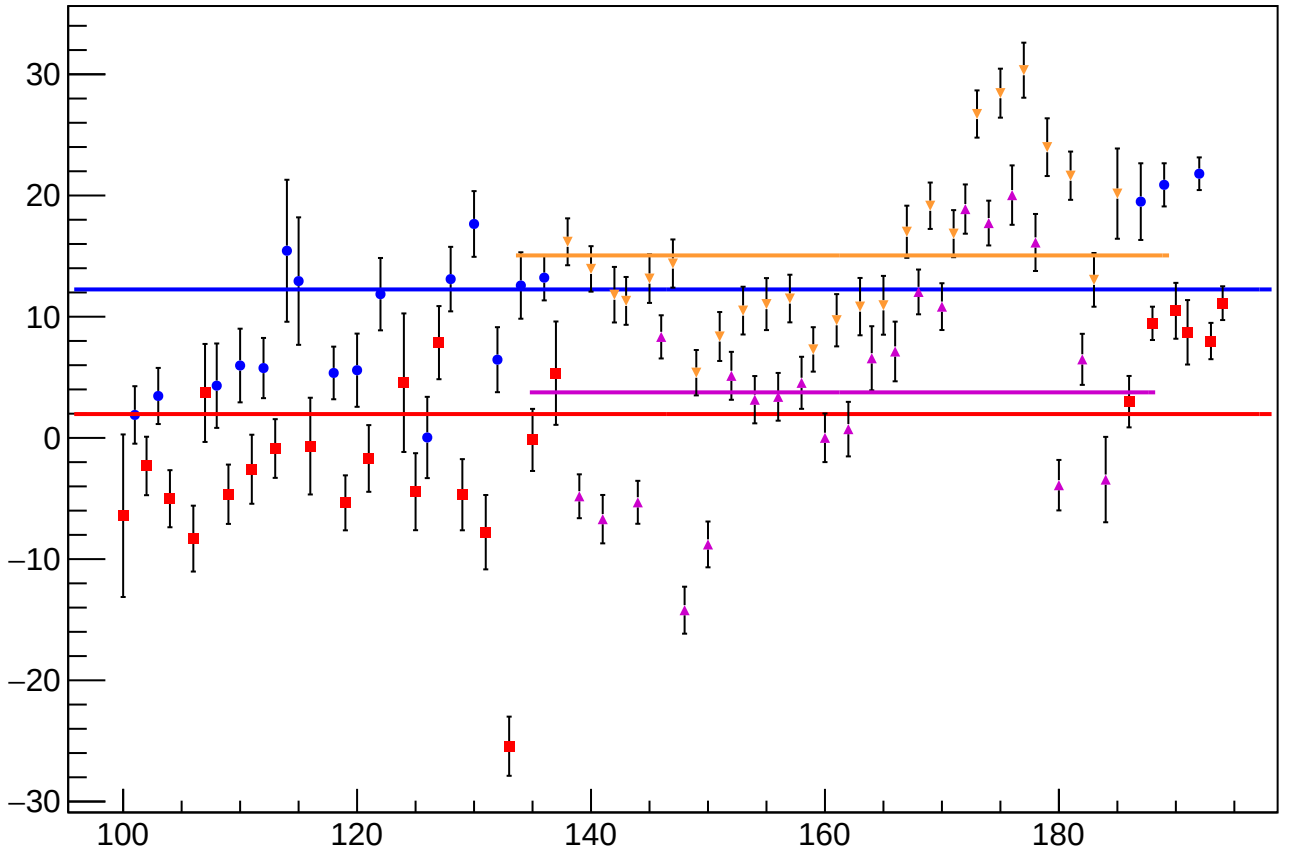
Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

Right: 1767.721+/-0.282 χ^2/NDF: 704780.9/43

In: 1967.650+/-0.271 χ^2/NDF:1246705.4/41

Out: 1928.388+/-0.251 χ^2/NDF:1646788.4/49

All: 1946.505+/-0.184 χ^2/NDF: 2904811.2/91



Right In: 12.250+/-0.567 χ^2/NDF: 166.3/18

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: 1.968+/-0.482 χ^2/NDF: 311.9/24

Left In: 3.758+/-0.428 χ^2/NDF:459.1/22

Left: 9.570+/-0.298 χ^2/NDF: 1064.0/47

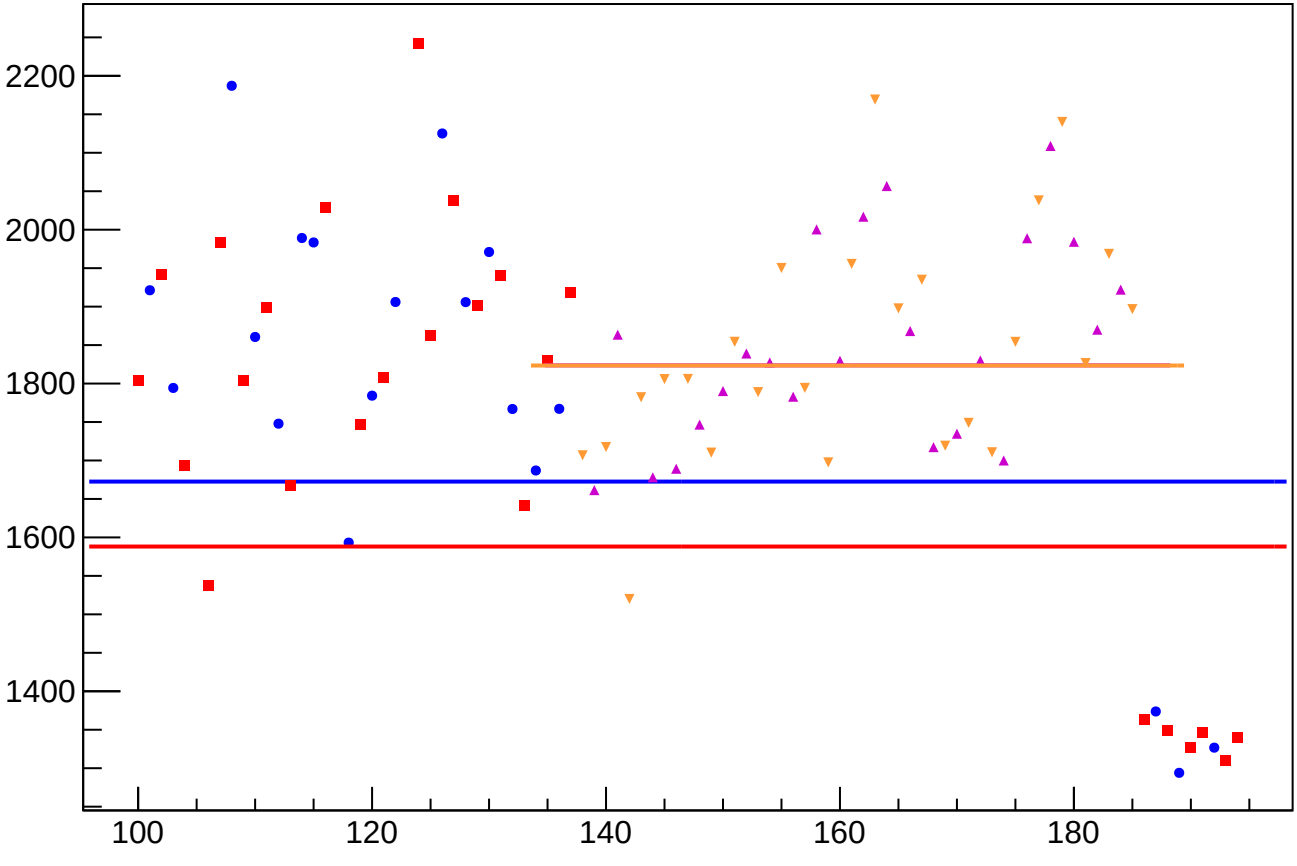
Right: 6.280+/-0.367 χ^2/NDF: 668.8/43

In: 6.836+/-0.342 χ^2/NDF:768.2/41

Out: 9.477+/-0.315 χ^2/NDF:980.7/49

All: 8.264+/-0.232 χ^2/NDF: 1781.2/91

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1672.572+/-0.401 χ^2/NDF: 434911.1/18

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1588.147+/-0.341 χ^2/NDF: 580367.5/24

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

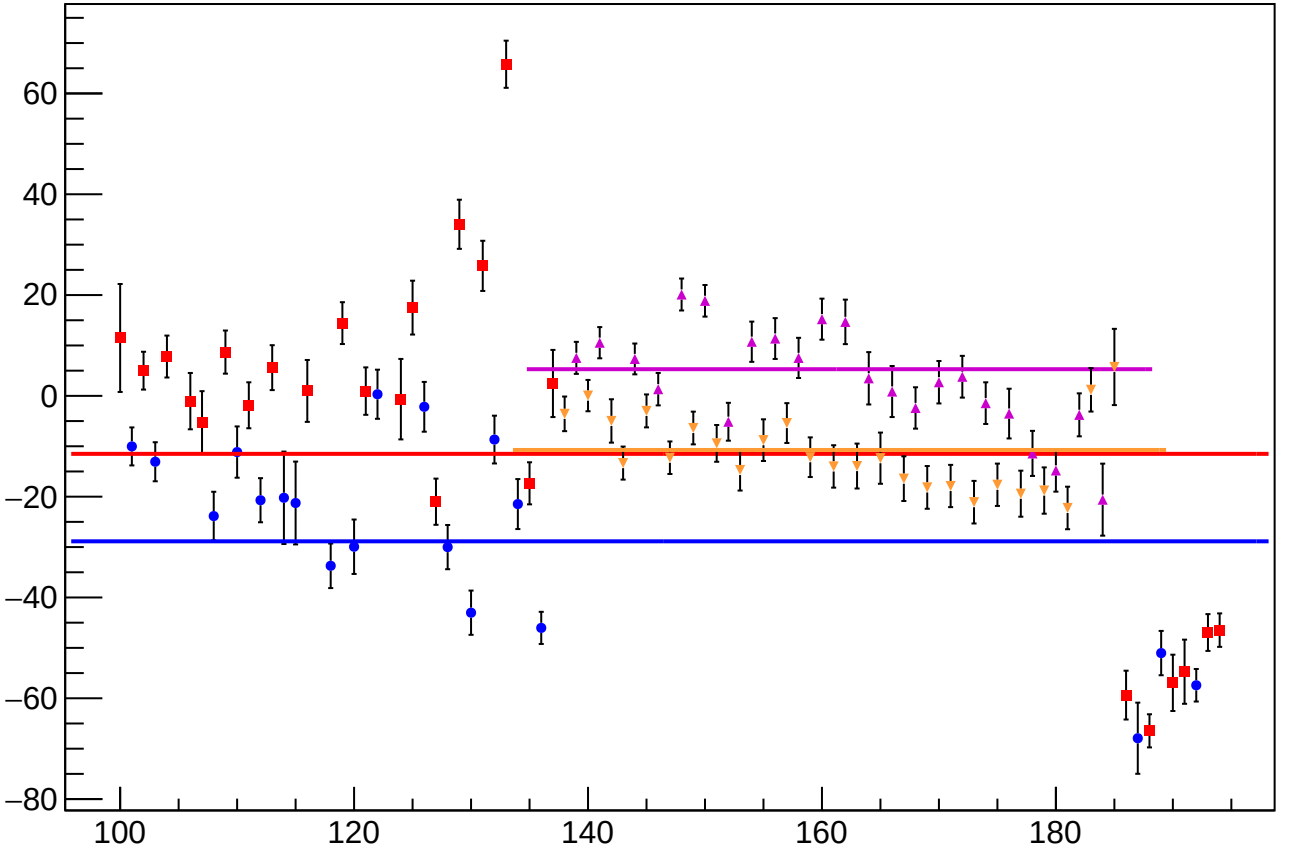
Right: 1623.556+/-0.260 χ^2/NDF: 1040988.8/43

In: 1768.873+/-0.242 χ^2/NDF:689055.4/41

Out: 1723.141+/-0.223 χ^2/NDF:1064836.6/49

All: 1744.147+/-0.164 χ^2/NDF: 1773273.3/91

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -28.858+/-1.042 χ^2/NDF: 320.4/18

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: -11.505+/-0.936 χ^2/NDF: 1295.0/24

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

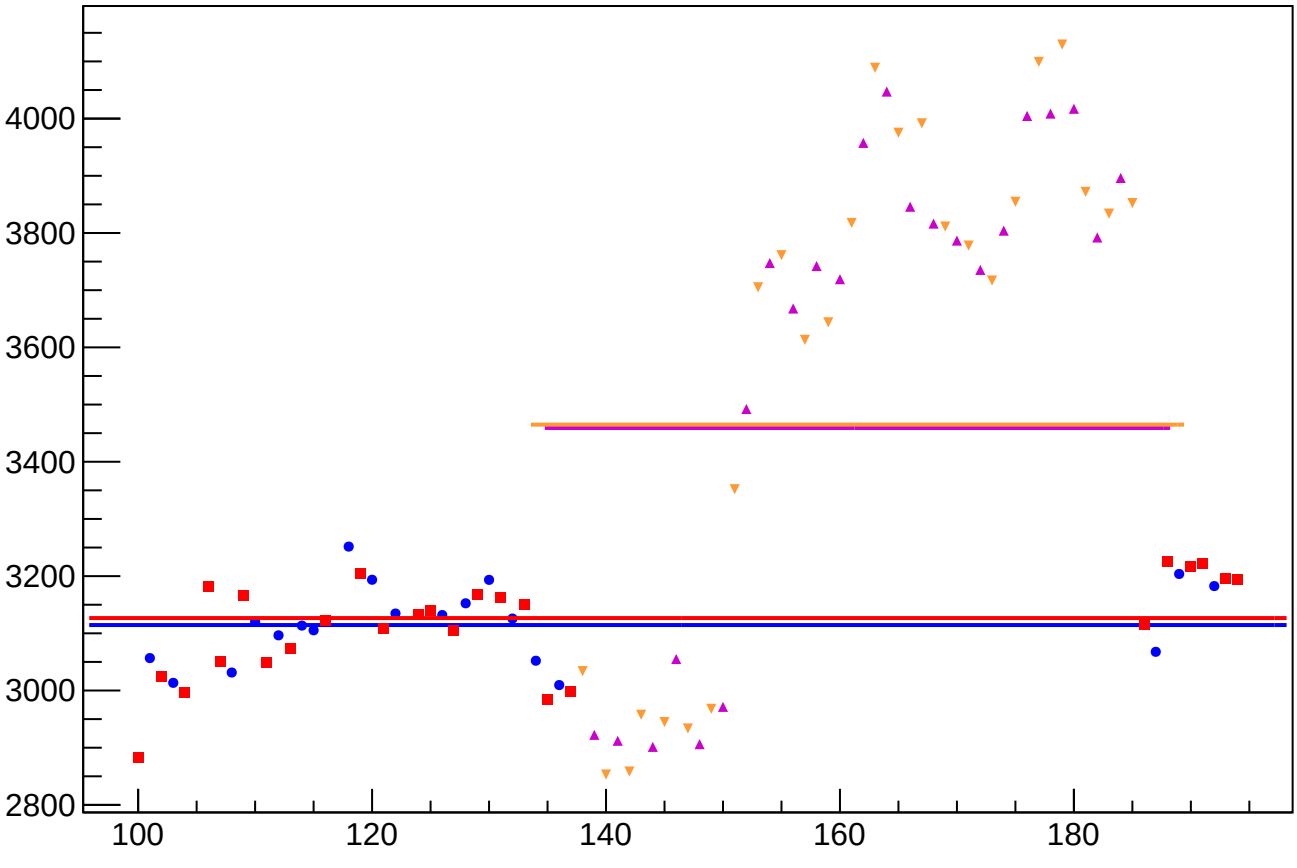
Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

Right: -19.251+/-0.696 χ^2/NDF: 1768.9/43

In: -7.660+/-0.642 χ^2/NDF:1120.9/41

Out: -11.056+/-0.605 χ^2/NDF:1369.2/49

All: -9.456+/-0.440 χ^2/NDF: 2504.9/91



Right In: 3114.490+/-0.737 χ^2/NDF: 9973.6/18

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3126.684+/-0.662 χ^2/NDF: 14494.0/24

Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

Left: 3462.053+/-0.402 χ^2/NDF: 1227385.7/47

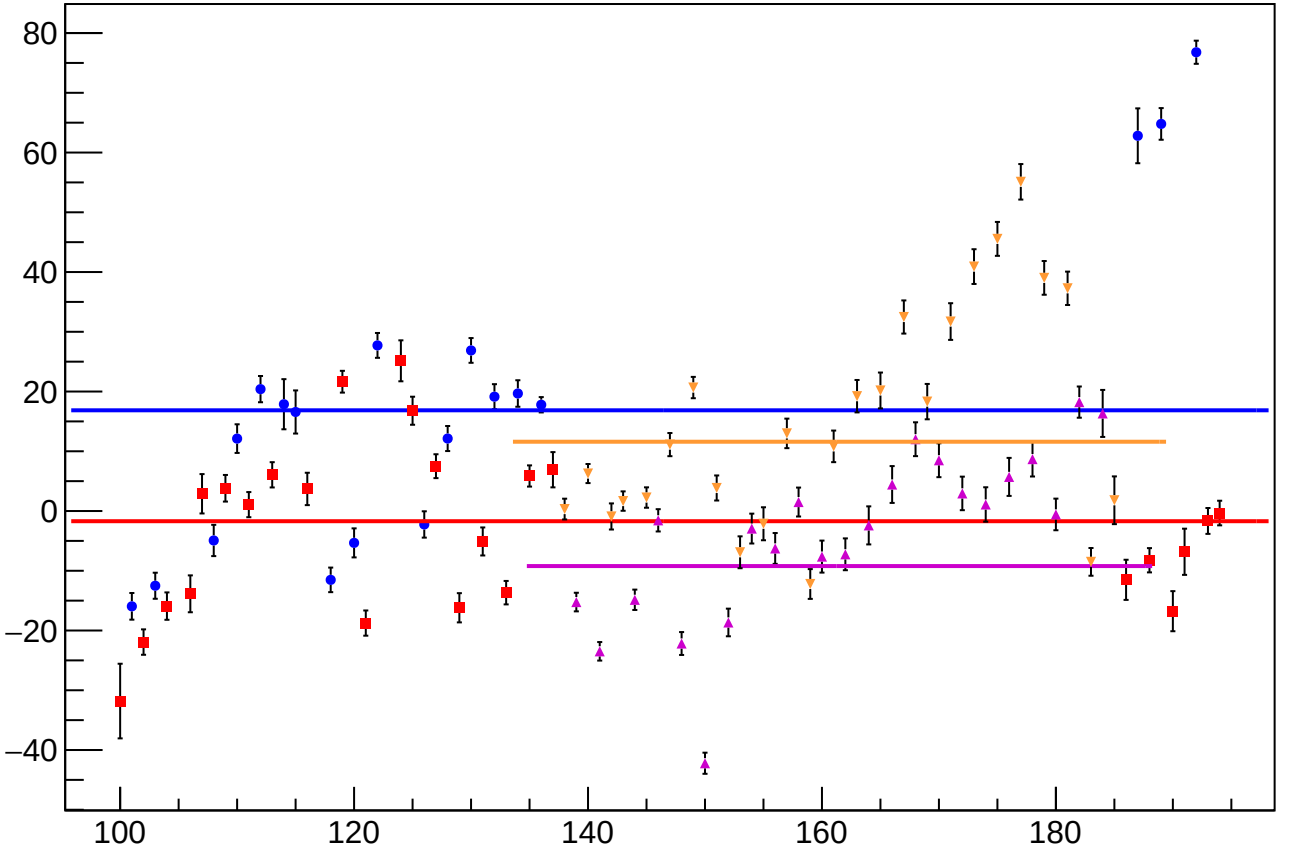
Right: 3121.241+/-0.492 χ^2/NDF: 24619.2/43

In: 3328.383+/-0.454 χ^2/NDF:729077.7/41

Out: 3323.330+/-0.428 χ^2/NDF:810496.1/49

All: 3325.710+/-0.311 χ^2/NDF: 1539639.4/91

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 16.858+/-0.508 χ^2/NDF: 2265.9/18

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: -1.704+/-0.475 χ^2/NDF: 711.2/24

Left In: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

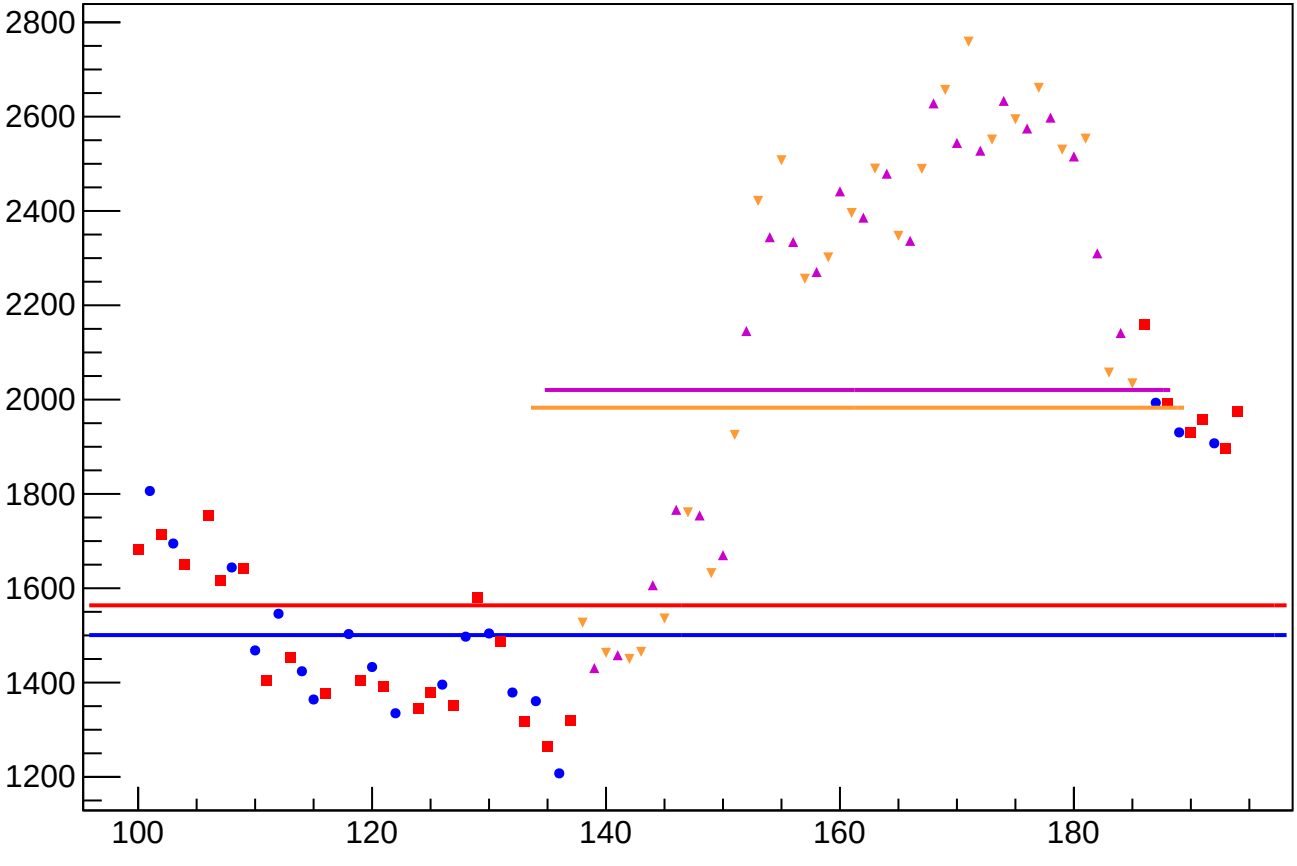
Right: 6.938+/-0.347 χ^2/NDF: 3689.5/43

In: 3.177+/-0.350 χ^2/NDF:4586.5/41

Out: 5.105+/-0.332 χ^2/NDF:2310.4/49

All: 4.195+/-0.241 χ^2/NDF: 6912.9/91

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1500.714+/-0.359 χ^2/NDF: 365702.8/18

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1563.765+/-0.336 χ^2/NDF: 549578.3/24

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

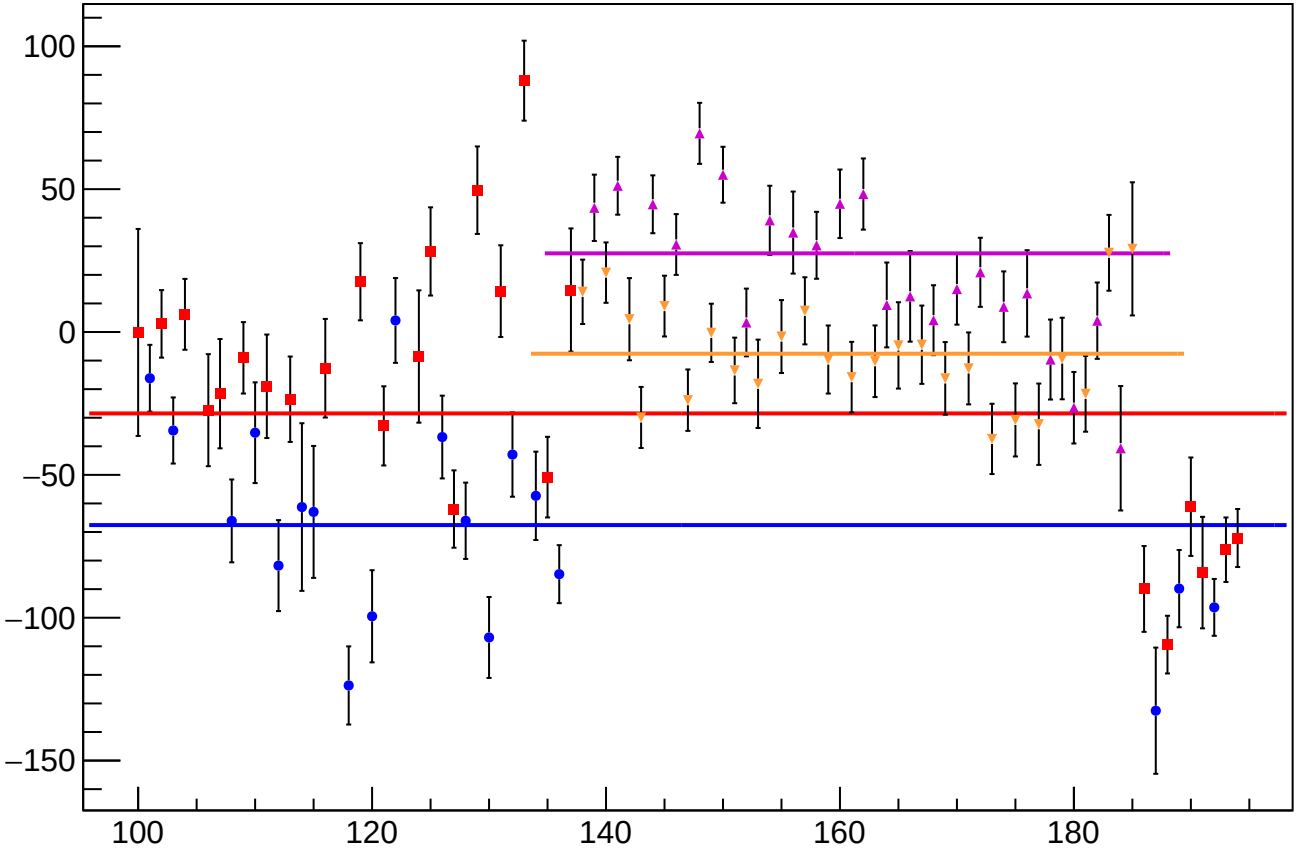
Right: 1534.409+/-0.245 χ^2/NDF: 931721.2/43

In: 1773.456+/-0.248 χ^2/NDF:3077369.3/41

Out: 1778.280+/-0.234 χ^2/NDF:3325789.9/49

All: 1776.002+/-0.170 χ^2/NDF: 6403359.2/91

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -67.572+/-3.246 χ^2/NDF: 113.9/18

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: -28.493+/-2.918 χ^2/NDF: 289.2/24

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

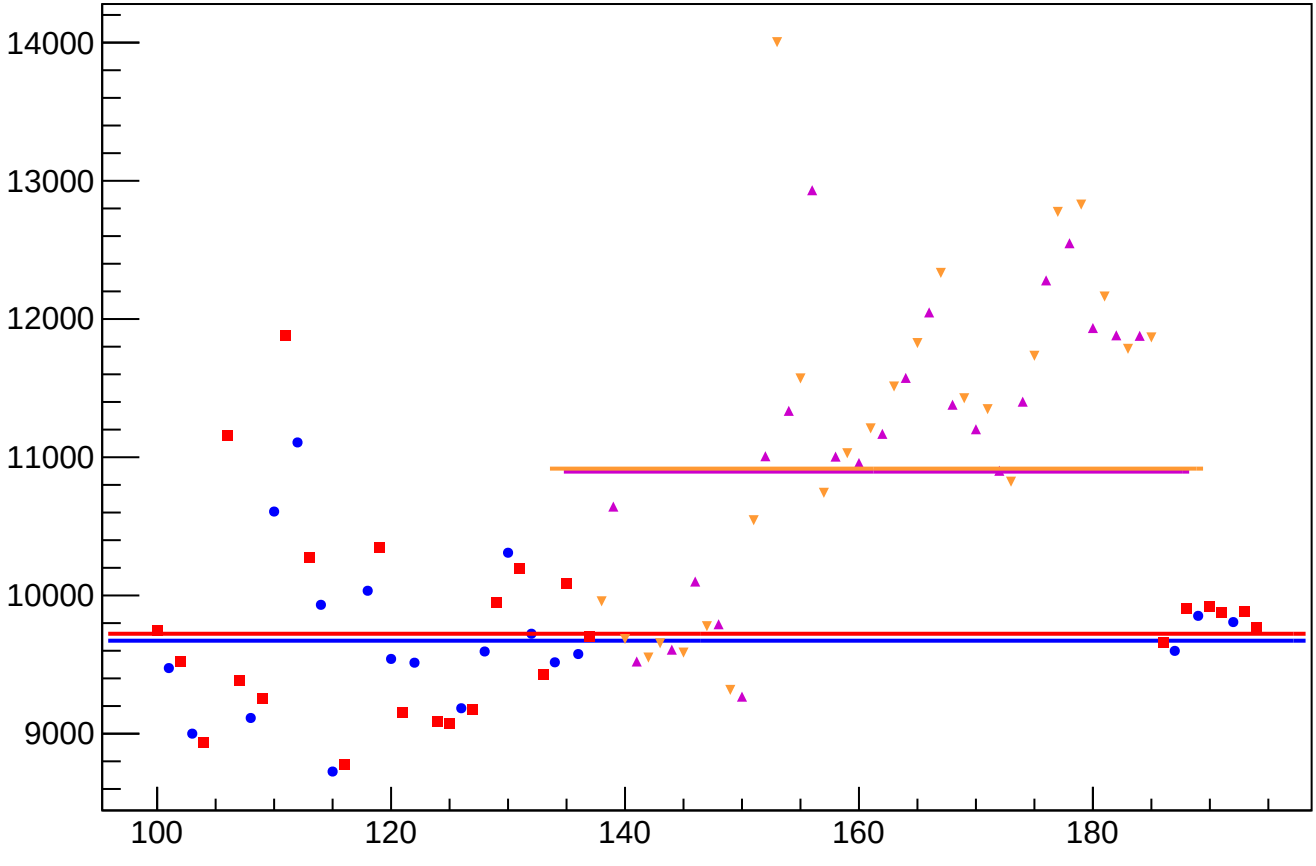
Right: -45.961+/-2.170 χ^2/NDF: 483.3/43

In: -8.885+/-2.008 χ^2/NDF:736.8/41

Out: -16.421+/-1.896 χ^2/NDF:366.7/49

All: -12.869+/-1.379 χ^2/NDF: 1110.9/91

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9672.750+/-2.295 χ^2/NDF: 44968.3/18

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9722.997+/-2.063 χ^2/NDF: 81867.9/24

Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

Left: 10907.115+/-1.263 χ^2/NDF: 723974.2/47

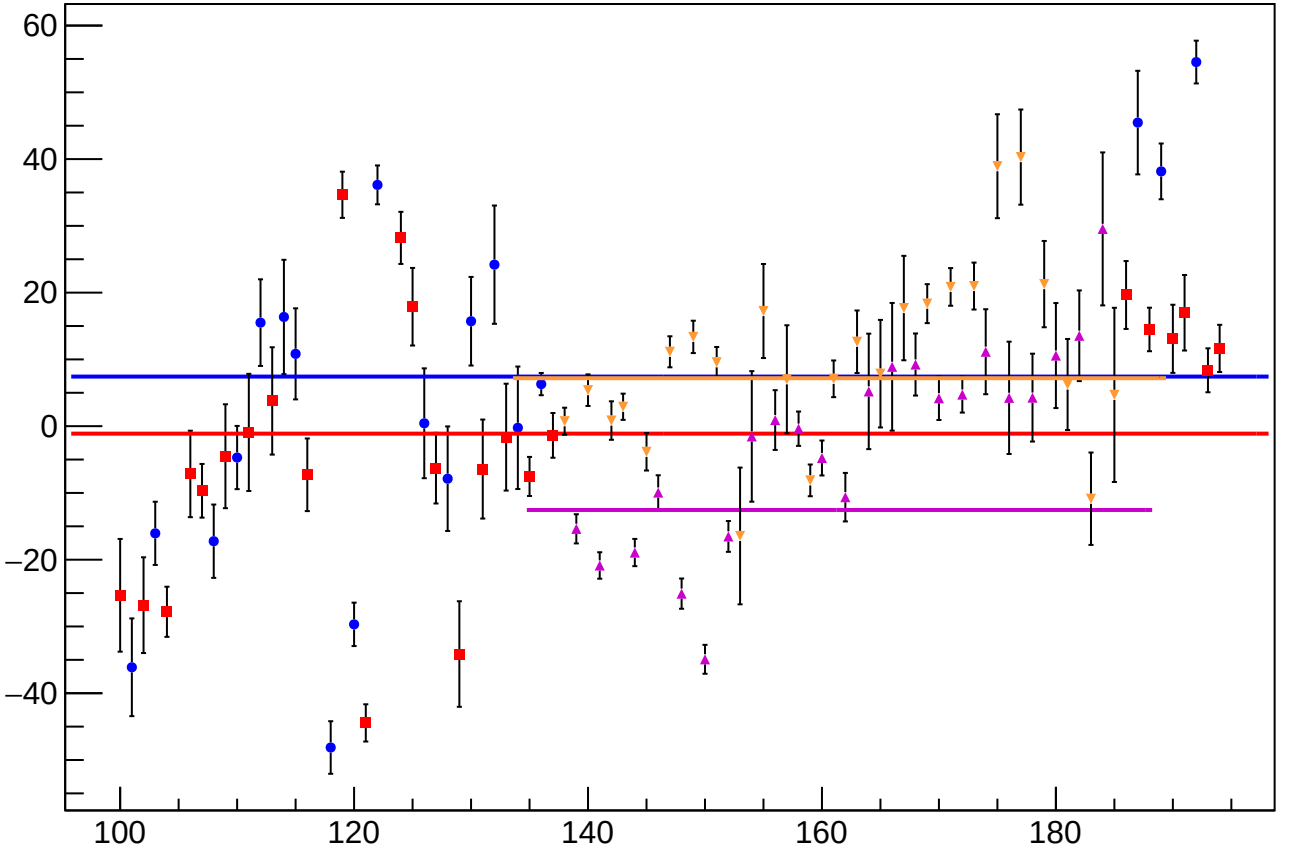
Right: 9700.537+/-1.534 χ^2/NDF: 127101.3/43

In: 10427.629+/-1.420 χ^2/NDF:518351.5/41

Out: 10413.131+/-1.341 χ^2/NDF:701381.4/49

All: 10419.965+/-0.975 χ^2/NDF: 1219788.0/9

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 7.428+/-0.959 χ^2/NDF: 821.5/18

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: -1.119+/-0.897 χ^2/NDF: 596.7/24

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

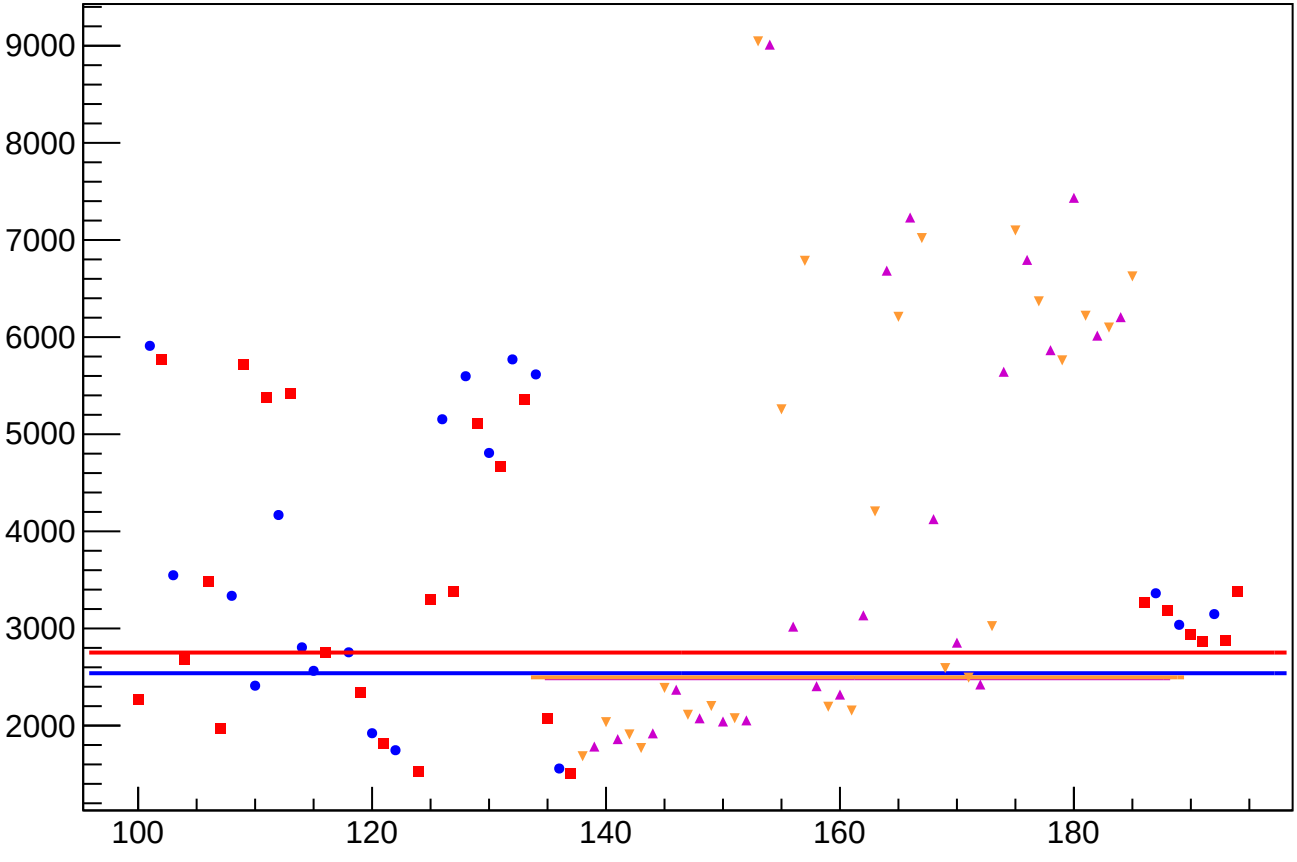
Right: 2.868+/-0.655 χ^2/NDF: 1460.6/43

In: -6.127+/-0.544 χ^2/NDF:1487.9/41

Out: 4.306+/-0.528 χ^2/NDF:854.4/49

All: -0.758+/-0.379 χ^2/NDF: 2531.5/91

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2539.114+/-0.678 χ^2/NDF: 2961195.2/18

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2751.907+/-0.634 χ^2/NDF: 2682119.0/24

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

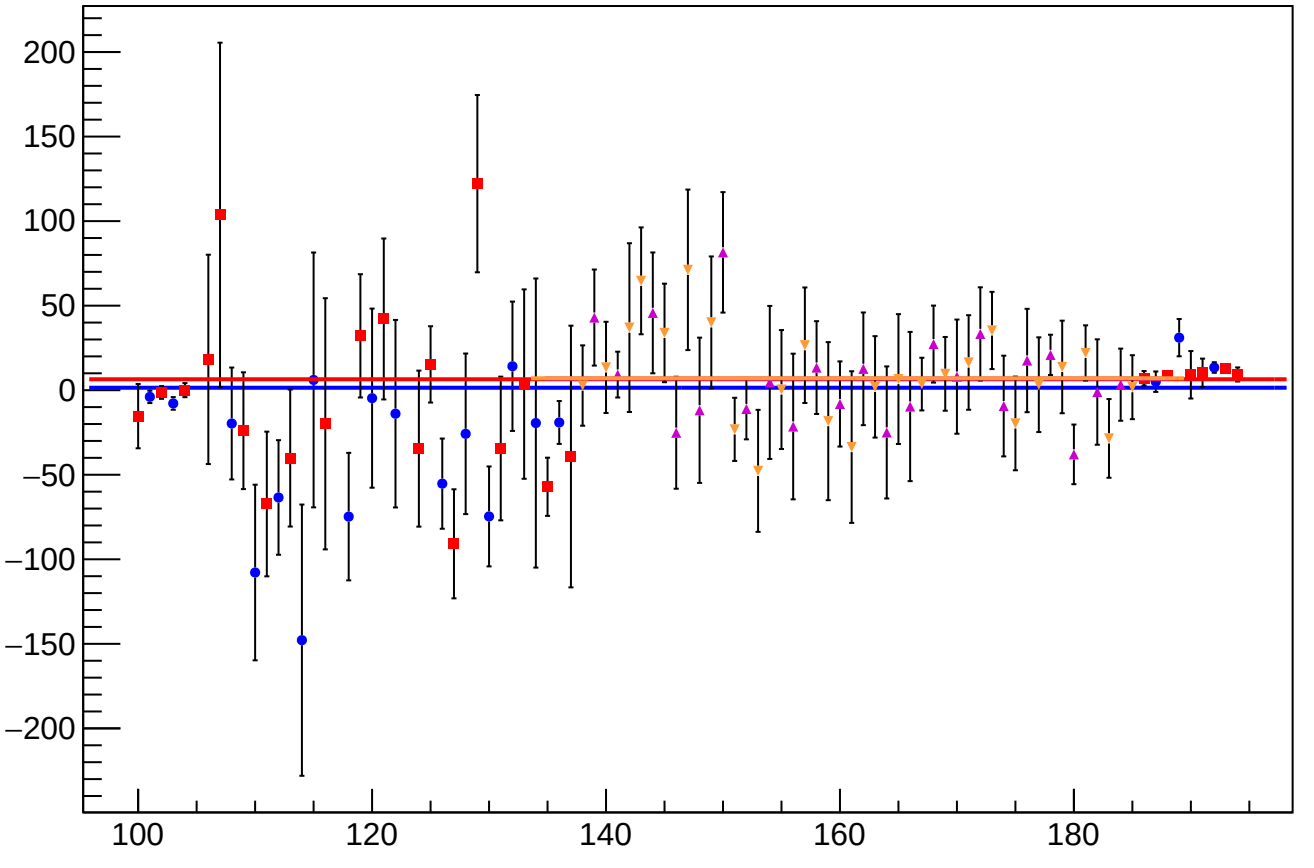
Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

Right: 2652.628+/-0.463 χ^2/NDF: 5695804.7/43

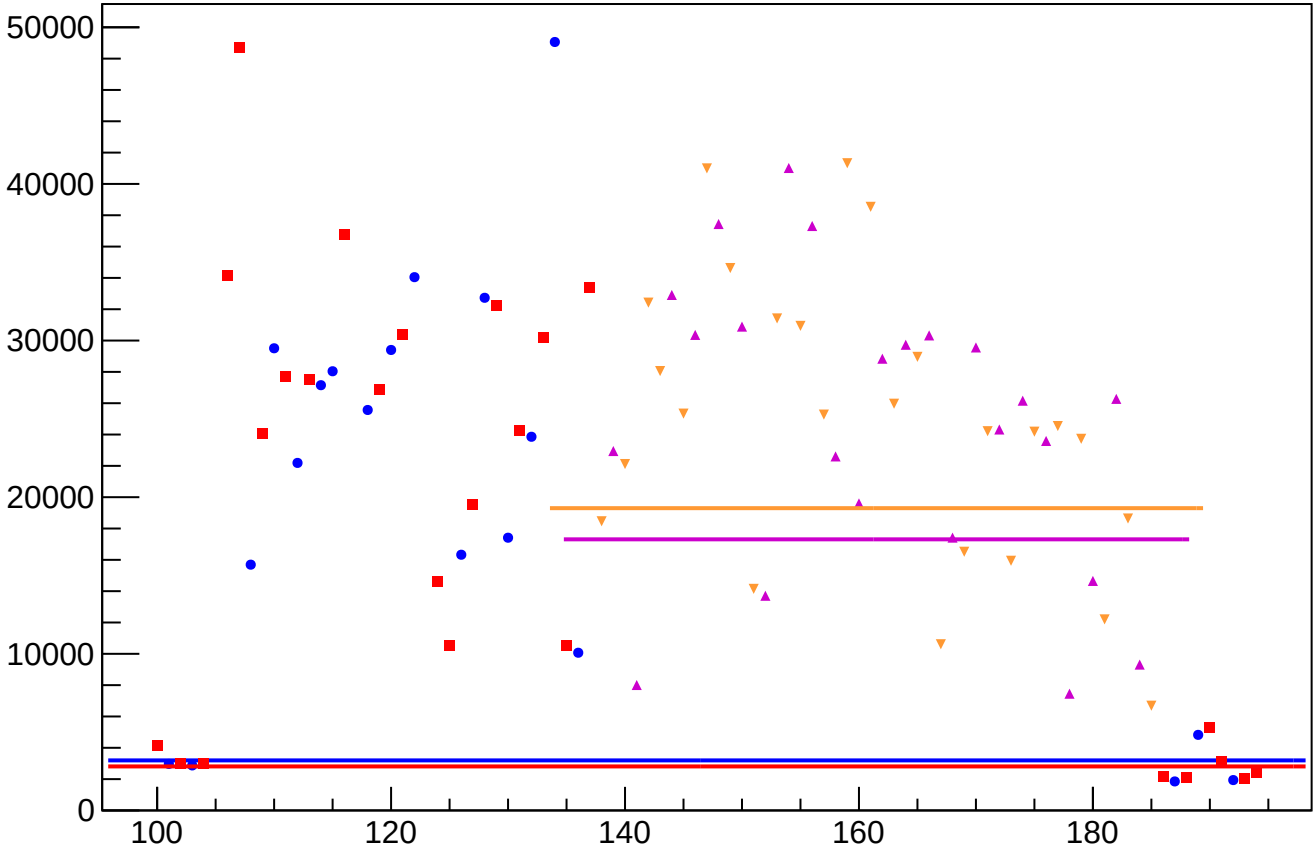
In: 2504.249+/-0.385 χ^2/NDF:9068555.5/41

Out: 2585.253+/-0.374 χ^2/NDF:9993580.9/49

All: 2545.941+/-0.268 χ^2/NDF: 19084956.4/9


diff_bpm0l03X_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
−150
−200
100
120
140
160
180
Right In: 1.461+/-1.831 χ²/NDF: 61.0/18
Left Out: 7.059+/-5.227 χ²/NDF:19.6/24
Right Out: 6.476+/-1.387 χ²/NDF: 51.6/24
Left In: 6.944+/-5.090 χ²/NDF:21.1/22
Left: 7.000+/-3.647 χ²/NDF: 40.7/47
Right: 4.647+/-1.106 χ²/NDF: 117.4/43
In: 2.089+/-1.723 χ²/NDF:83.1/41
Out: 6.515+/-1.341 χ²/NDF:71.2/49
All: 4.846+/-1.058 χ²/NDF: 158.4/91

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 3196.027+/-1.295 χ^2/NDF: 7591553.5/18

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2810.960+/-0.981 χ^2/NDF: 8706111.3/24

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

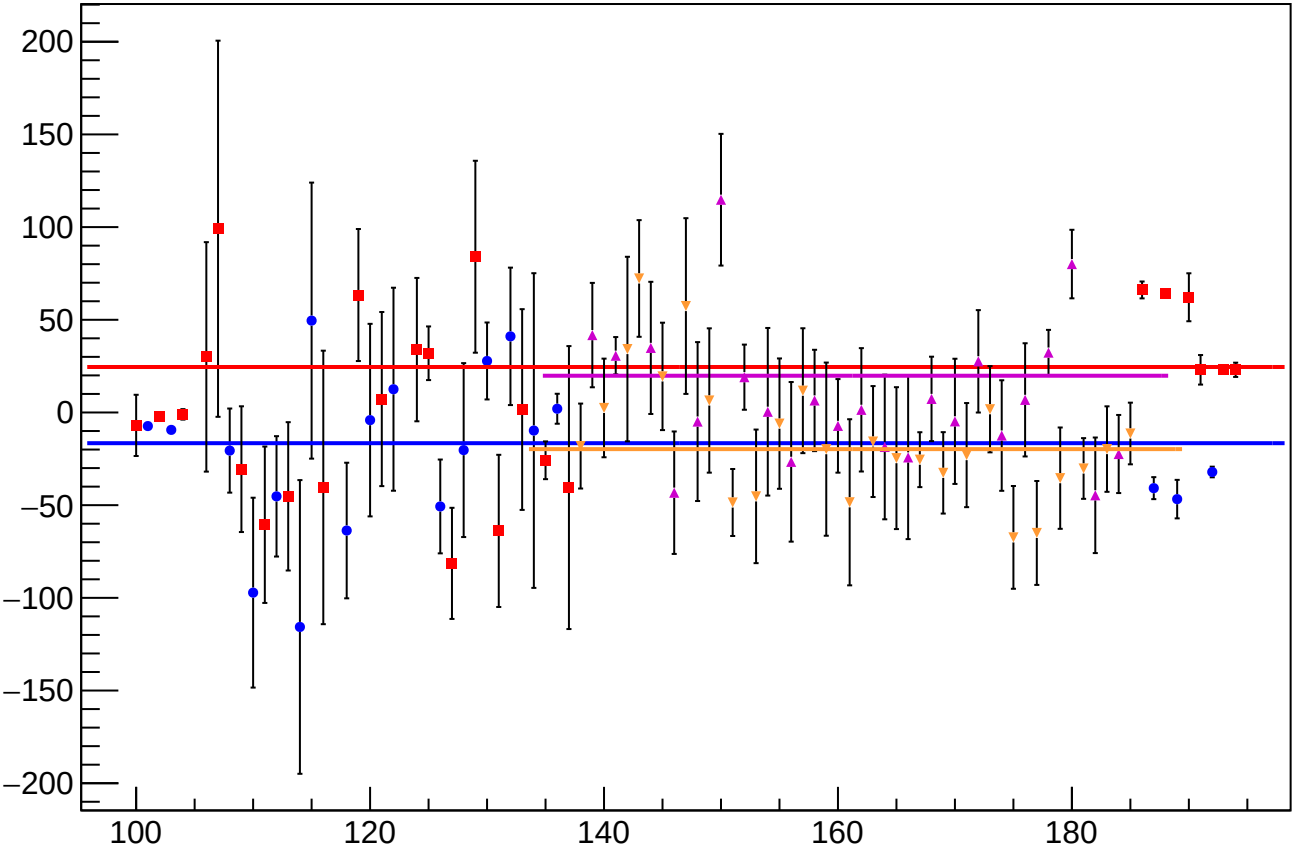
Right: 2951.360+/-0.782 χ^2/NDF: 16353849.3/43

In: 4813.256+/-1.218 χ^2/NDF:27922768.5/41

Out: 3895.761+/-0.948 χ^2/NDF:32331575.6/49

All: 4241.773+/-0.748 χ^2/NDF: 60607500.4/9

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -16.566+/-1.419 χ^2/NDF: 97.5/18

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: 24.534+/-1.170 χ^2/NDF: 585.3/24

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

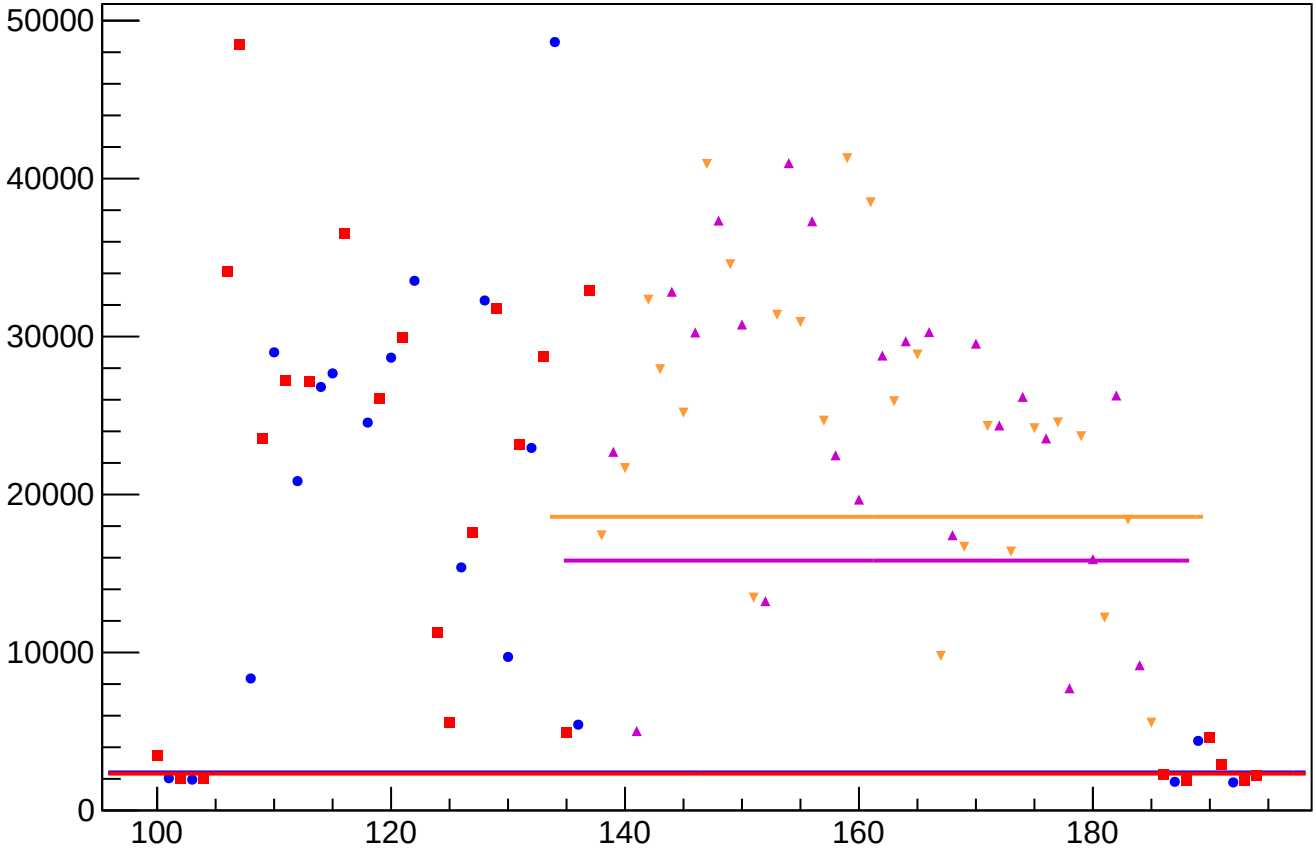
Right: 7.907+/-0.903 χ^2/NDF: 1182.2/43

In: -13.691+/-1.362 χ^2/NDF:189.7/41

Out: 22.333+/-1.140 χ^2/NDF:684.3/49

All: 7.487+/-0.874 χ^2/NDF: 1285.4/91

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2405.346+/-1.003 χ^2/NDF: 7004399.8/18

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2332.597+/-0.827 χ^2/NDF: 8278932.2/24

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

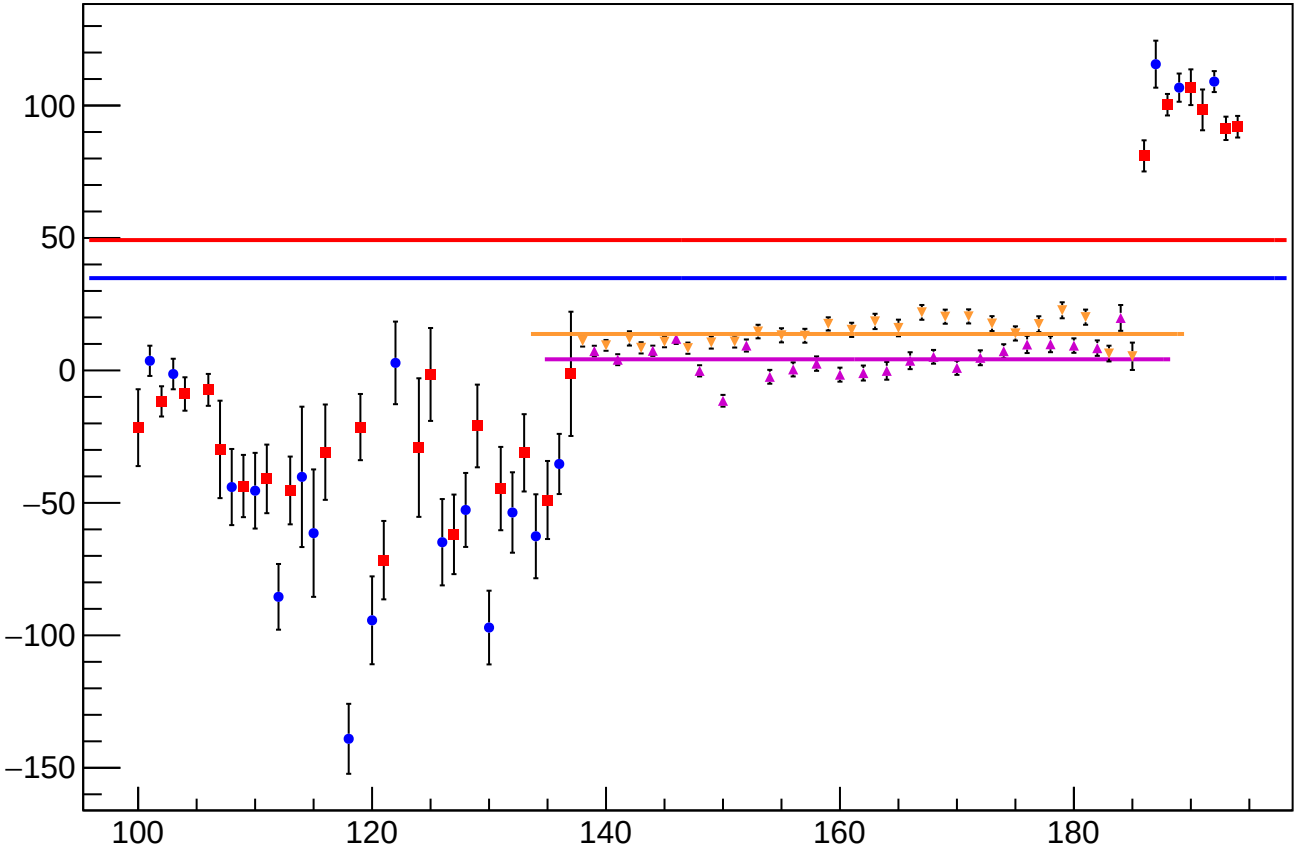
Right: 2362.028+/-0.638 χ^2/NDF: 15286461.7/43

In: 3464.823+/-0.963 χ^2/NDF:29523889.0/41

Out: 3139.974+/-0.806 χ^2/NDF:33163435.4/49

All: 3273.854+/-0.618 χ^2/NDF: 62754219.7/9

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: 34.844+/-2.060 χ^2/NDF: 1380.5/18

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: 49.203+/-1.595 χ^2/NDF: 1323.0/24

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

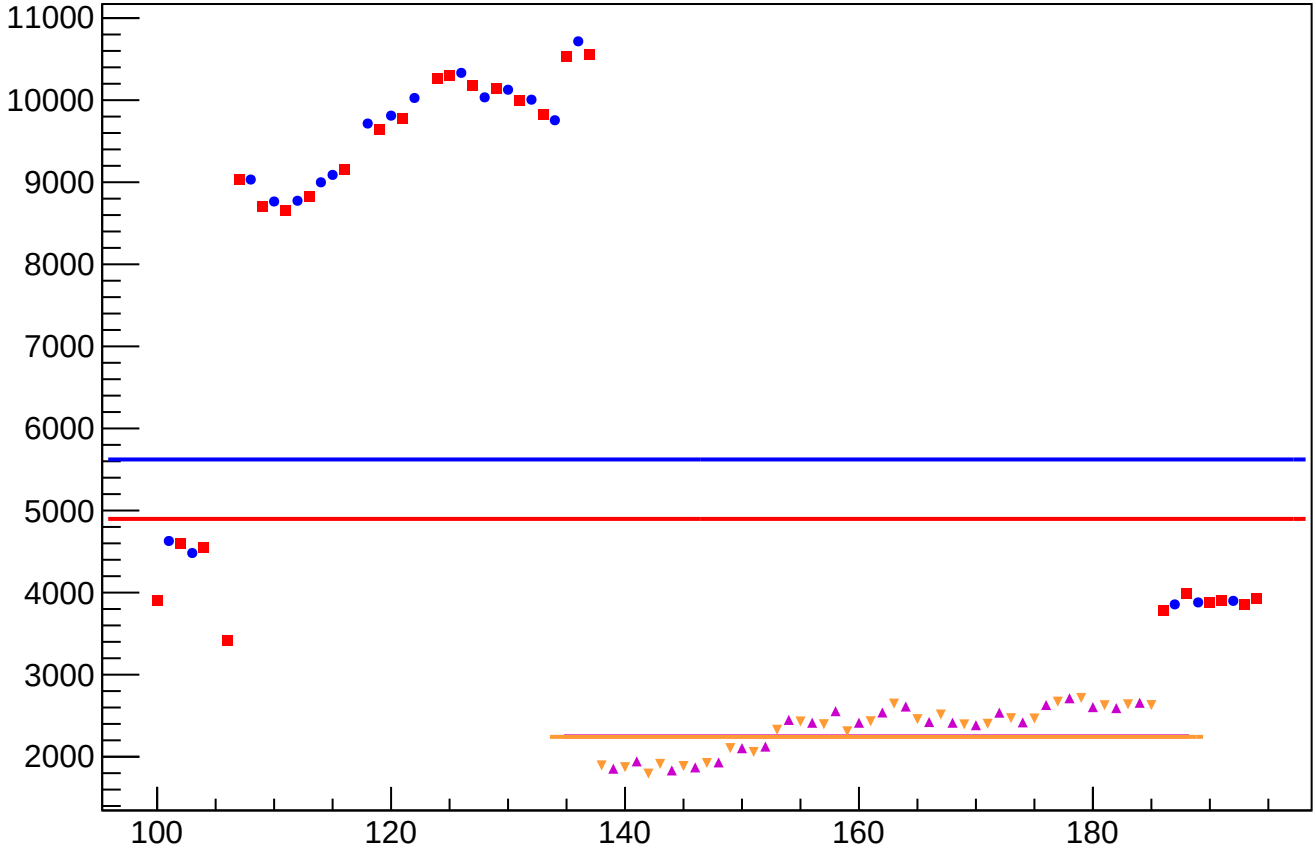
Right: 43.820+/-1.261 χ^2/NDF: 2733.9/43

In: 6.105+/-0.513 χ^2/NDF:1711.9/41

Out: 17.094+/-0.489 χ^2/NDF:1847.4/49

All: 11.863+/-0.354 χ^2/NDF: 3799.4/91

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 5622.100+/-1.457 χ^2/NDF: 2984874.0/18

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4897.922+/-1.128 χ^2/NDF: 3498998.5/24

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

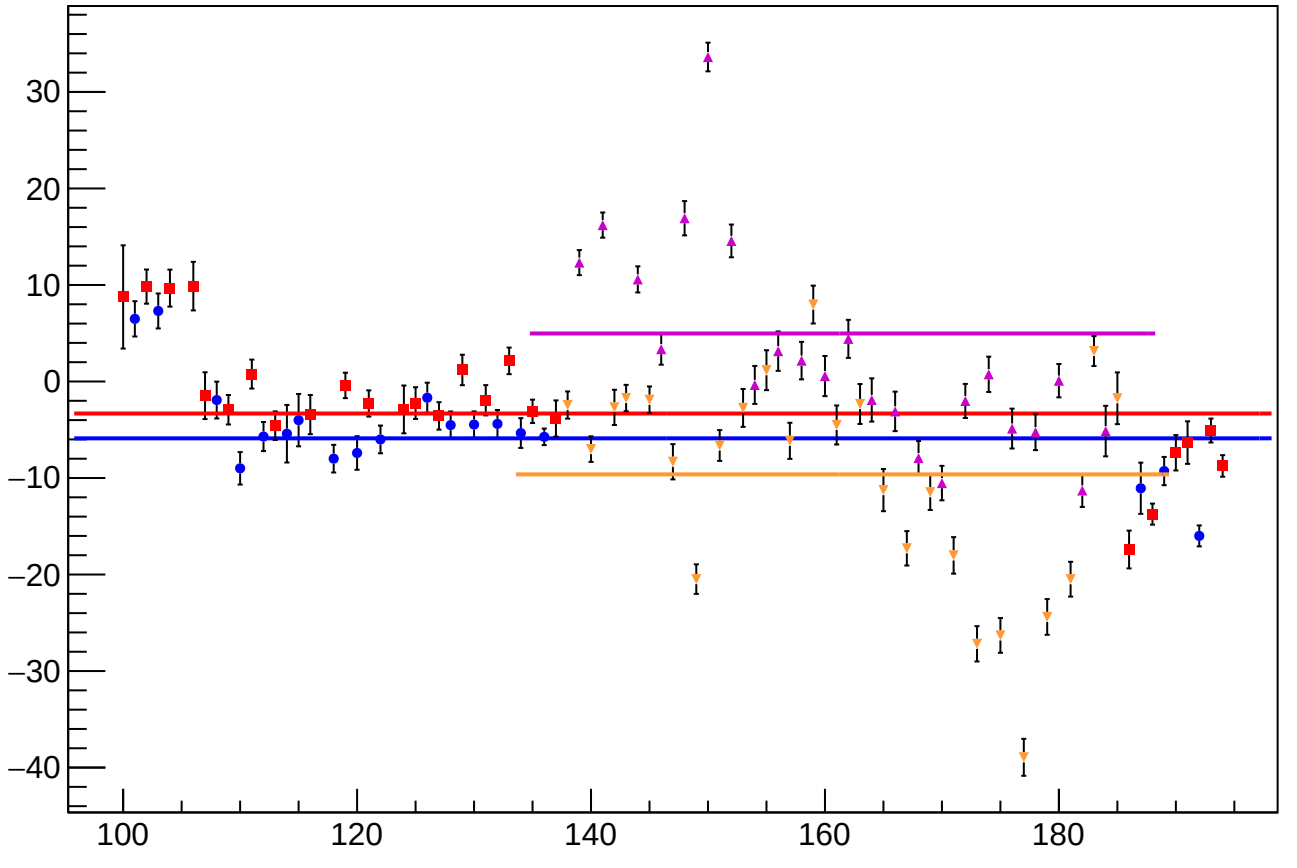
Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

Right: 5169.432+/-0.892 χ^2/NDF: 6638364.0/43

In: 2458.065+/-0.363 χ^2/NDF:8657532.1/41

Out: 2492.052+/-0.346 χ^2/NDF:9176888.5/49

All: 2475.875+/-0.250 χ^2/NDF: 17839014.5/9



Right In: -5.889+/-0.345 χ^2/NDF: 216.6/18

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: -3.318+/-0.316 χ^2/NDF: 349.0/24

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

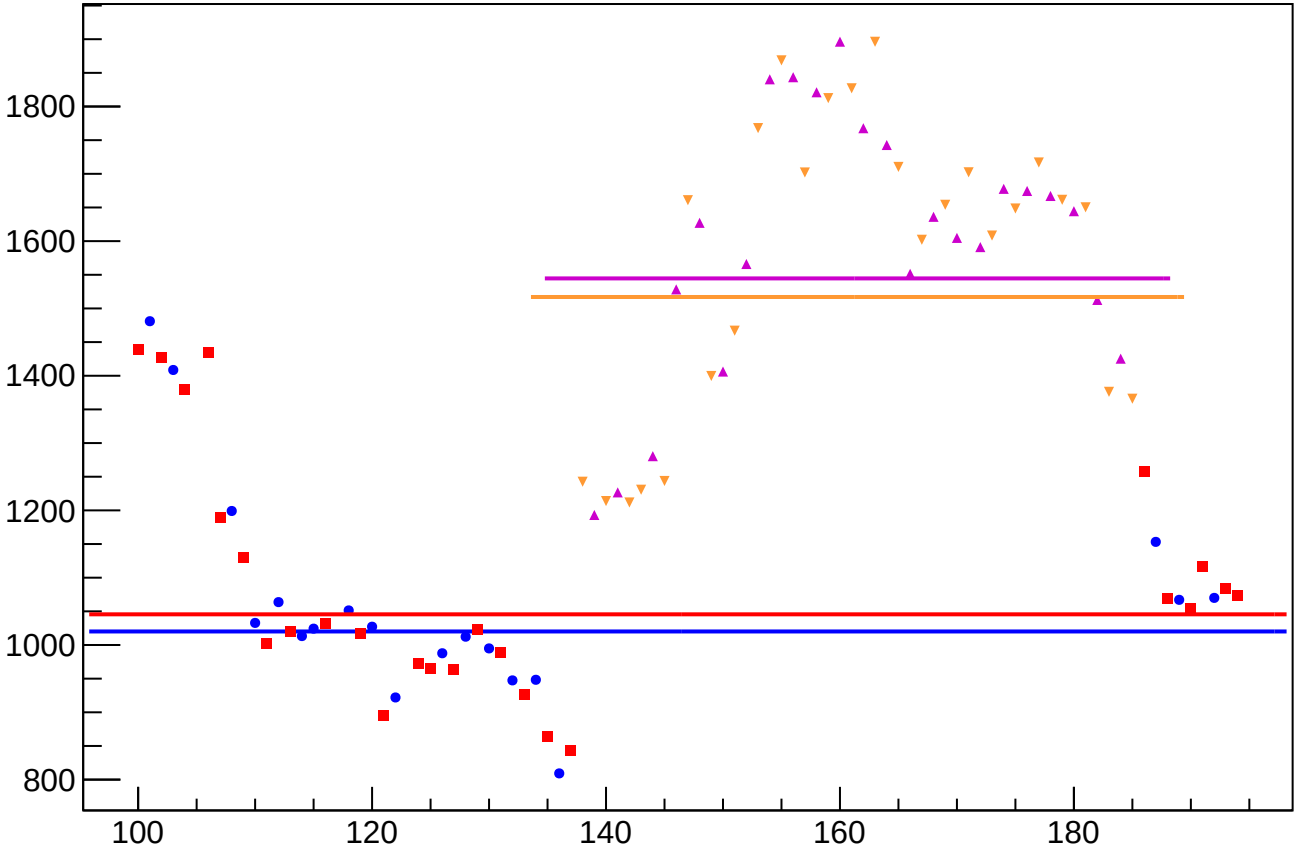
Right: -4.489+/-0.233 χ^2/NDF: 595.8/43

In: -0.754+/-0.251 χ^2/NDF:1614.5/41

Out: -6.154+/-0.234 χ^2/NDF:1462.7/49

All: -3.638+/-0.171 χ^2/NDF: 3324.9/91

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1020.101+/-0.244 χ^2/NDF: 392140.4/18

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1045.562+/-0.223 χ^2/NDF: 381418.0/24

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

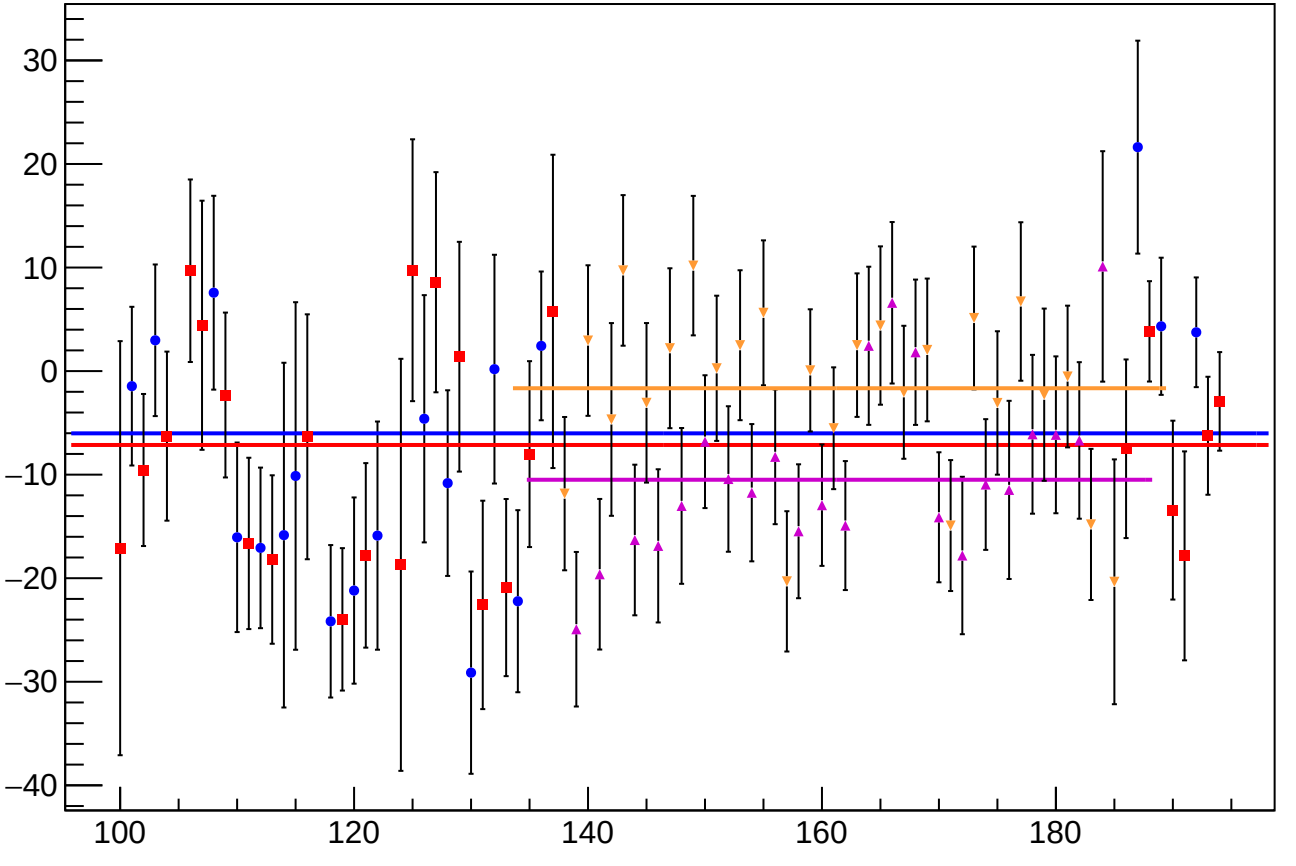
Right: 1033.968+/-0.165 χ^2/NDF: 779483.3/43

In: 1268.042+/-0.177 χ^2/NDF:3213236.0/41

Out: 1257.637+/-0.166 χ^2/NDF:3221067.7/49

All: 1262.485+/-0.121 χ^2/NDF: 6436143.9/91

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -6.011+/-1.960 χ^2/NDF: 41.4/18

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: -7.134+/-1.661 χ^2/NDF: 34.1/24

Left In: -10.492+/-1.480 χ^2/NDF:24.9/22

Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

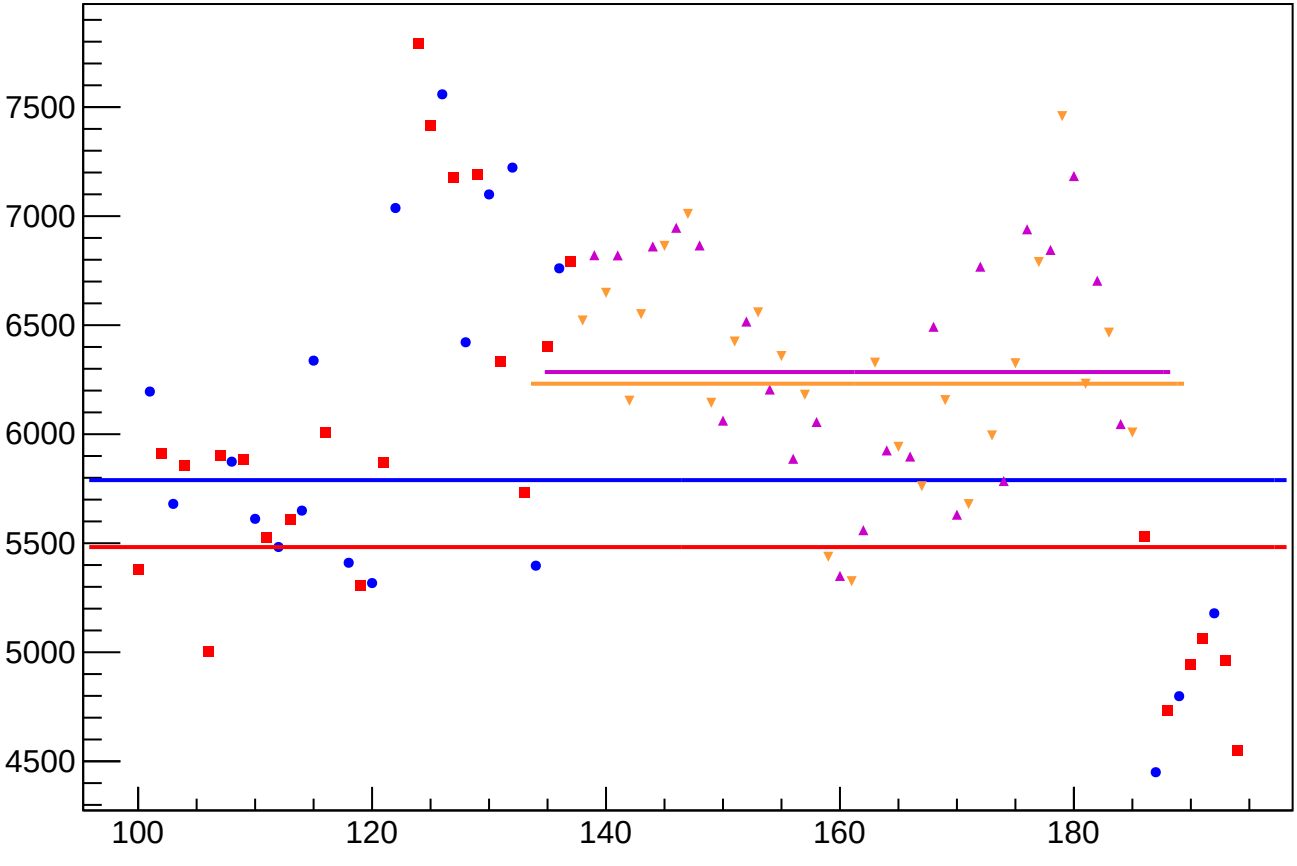
Right: -6.665+/-1.267 χ^2/NDF: 75.7/43

In: -8.866+/-1.181 χ^2/NDF:69.7/41

Out: -3.981+/-1.082 χ^2/NDF:71.8/49

All: -6.210+/-0.798 χ^2/NDF: 150.8/91

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 5789.424+/-1.386 χ^2/NDF: 318228.4/18

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5482.356+/-1.174 χ^2/NDF: 410183.9/24

Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

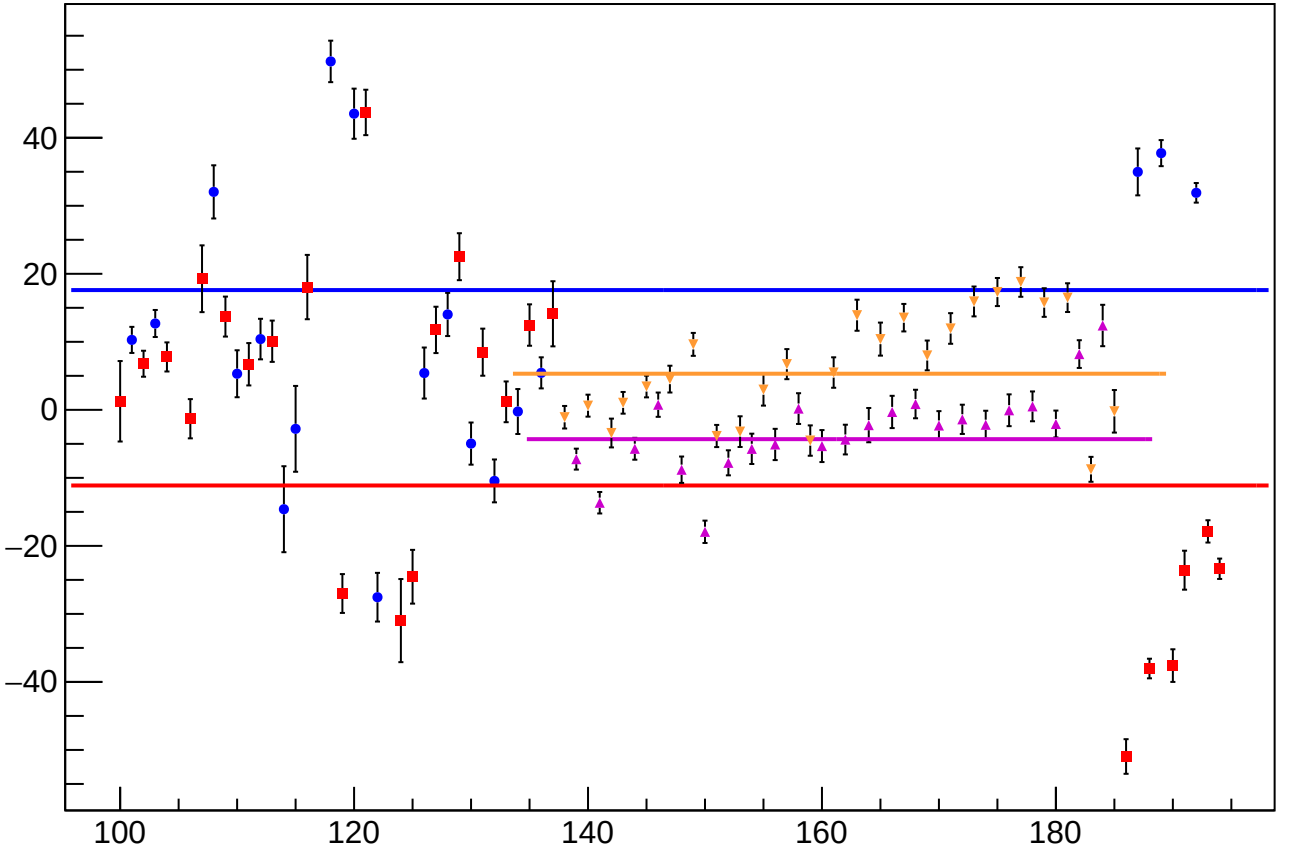
Right: 5610.675+/-0.896 χ^2/NDF: 756982.4/43

In: 6105.144+/-0.835 χ^2/NDF:665049.4/41

Out: 5913.555+/-0.765 χ^2/NDF:871387.9/49

All: 6000.987+/-0.564 χ^2/NDF: 1565051.6/91

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 17.608+/-0.621 χ^2/NDF: 855.2/18

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: -11.121+/-0.525 χ^2/NDF: 1828.7/24

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

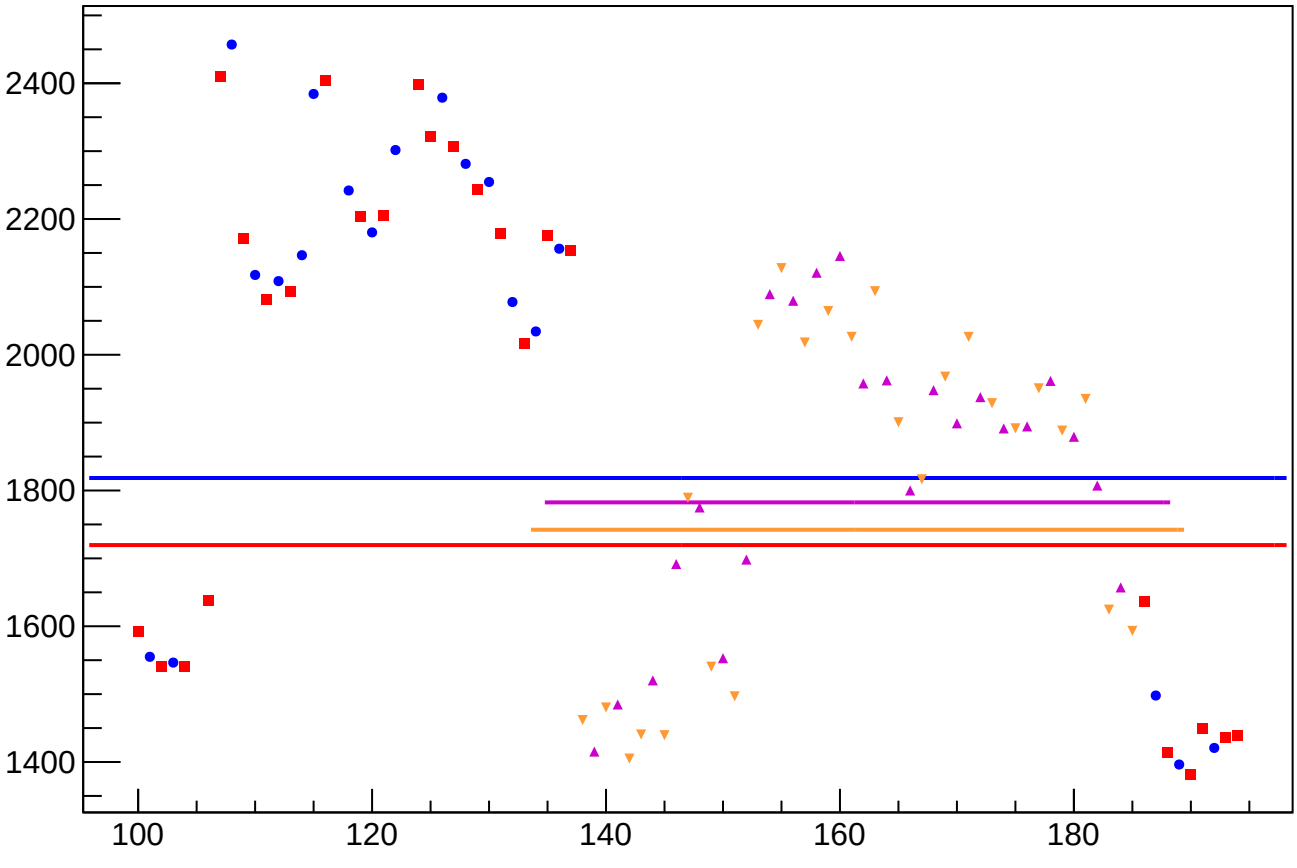
Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

Right: 0.859+/-0.401 χ^2/NDF: 3931.0/43

In: 2.569+/-0.348 χ^2/NDF:1930.0/41

Out: -0.725+/-0.318 χ^2/NDF:2825.8/49

All: 0.776+/-0.235 χ^2/NDF: 4804.5/91



Right In: 1818.443+/-0.439 χ^2/NDF: 737299.9/18

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1719.621+/-0.371 χ^2/NDF: 892454.8/24

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

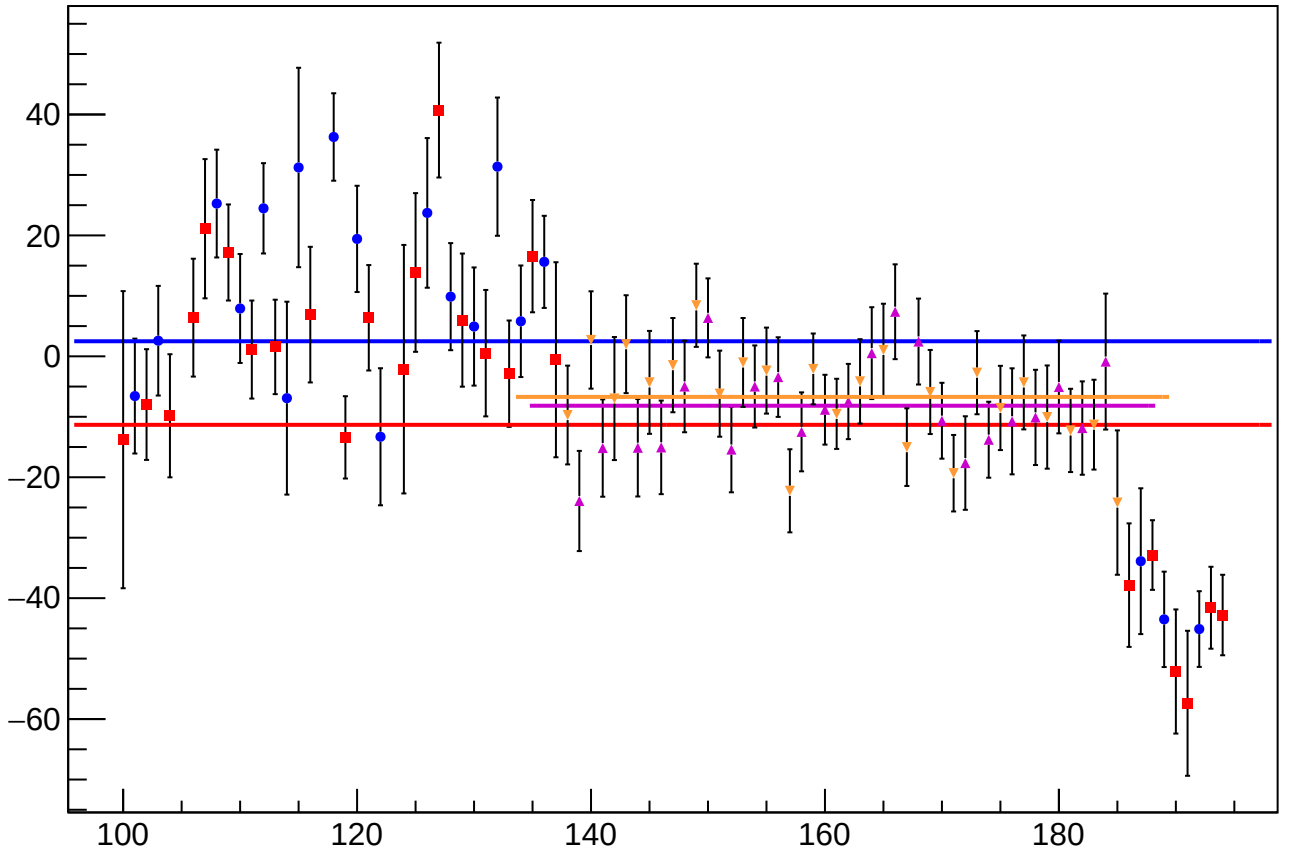
Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

Right: 1760.830+/-0.284 χ^2/NDF: 1659267.9/43

In: 1793.782+/-0.246 χ^2/NDF:1276269.2/41

Out: 1733.915+/-0.225 χ^2/NDF:1662459.5/49

All: 1761.199+/-0.166 χ^2/NDF: 2970947.7/91



Right In: 2.493+/-2.093 χ^2/NDF: 161.4/18

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: -11.331+/-1.844 χ^2/NDF: 169.6/24

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

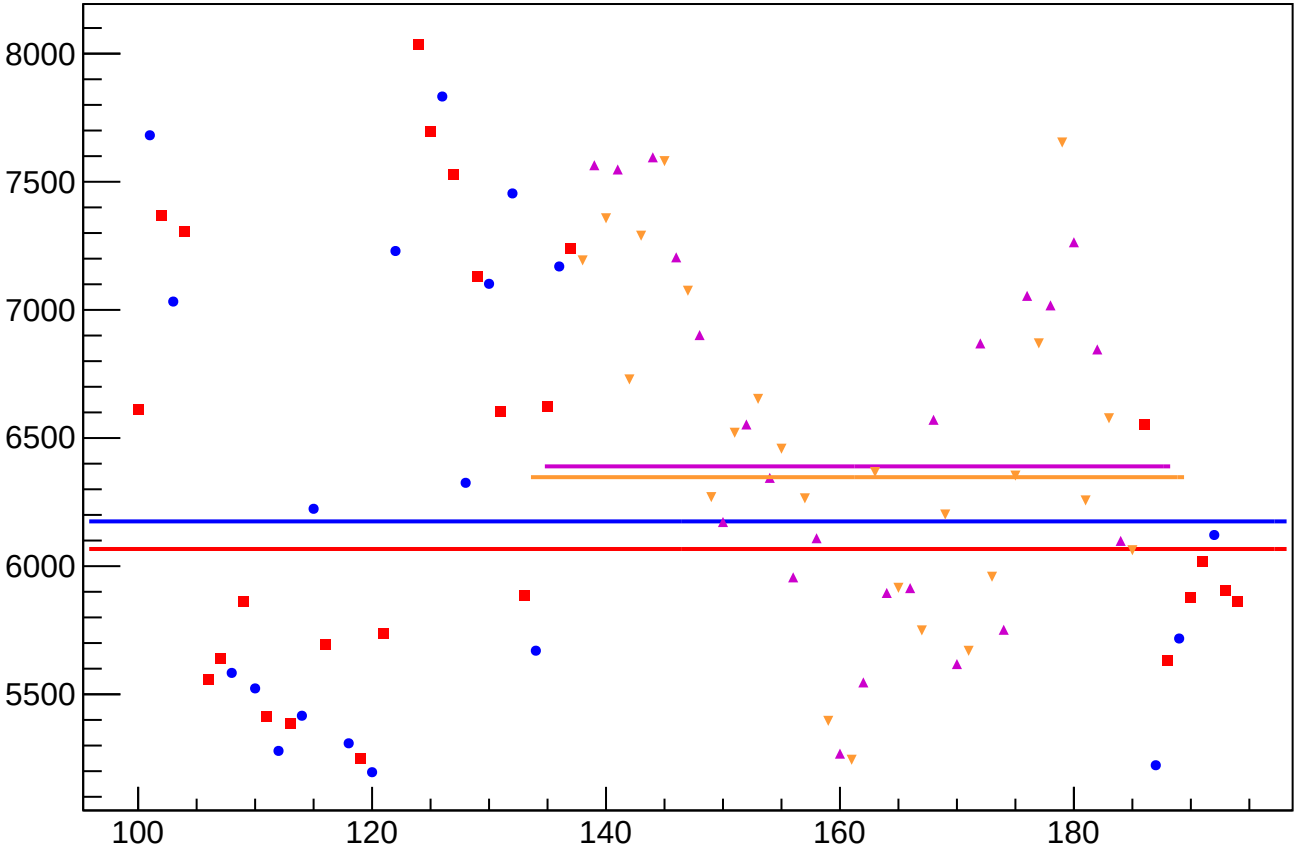
Right: -5.287+/-1.384 χ^2/NDF: 355.5/43

In: -4.520+/-1.224 χ^2/NDF:202.6/41

Out: -8.488+/-1.144 χ^2/NDF:199.1/49

All: -6.639+/-0.836 χ^2/NDF: 407.4/91

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6174.727+/-1.480 χ^2/NDF: 330490.2/18

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6067.024+/-1.304 χ^2/NDF: 288414.8/24

Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

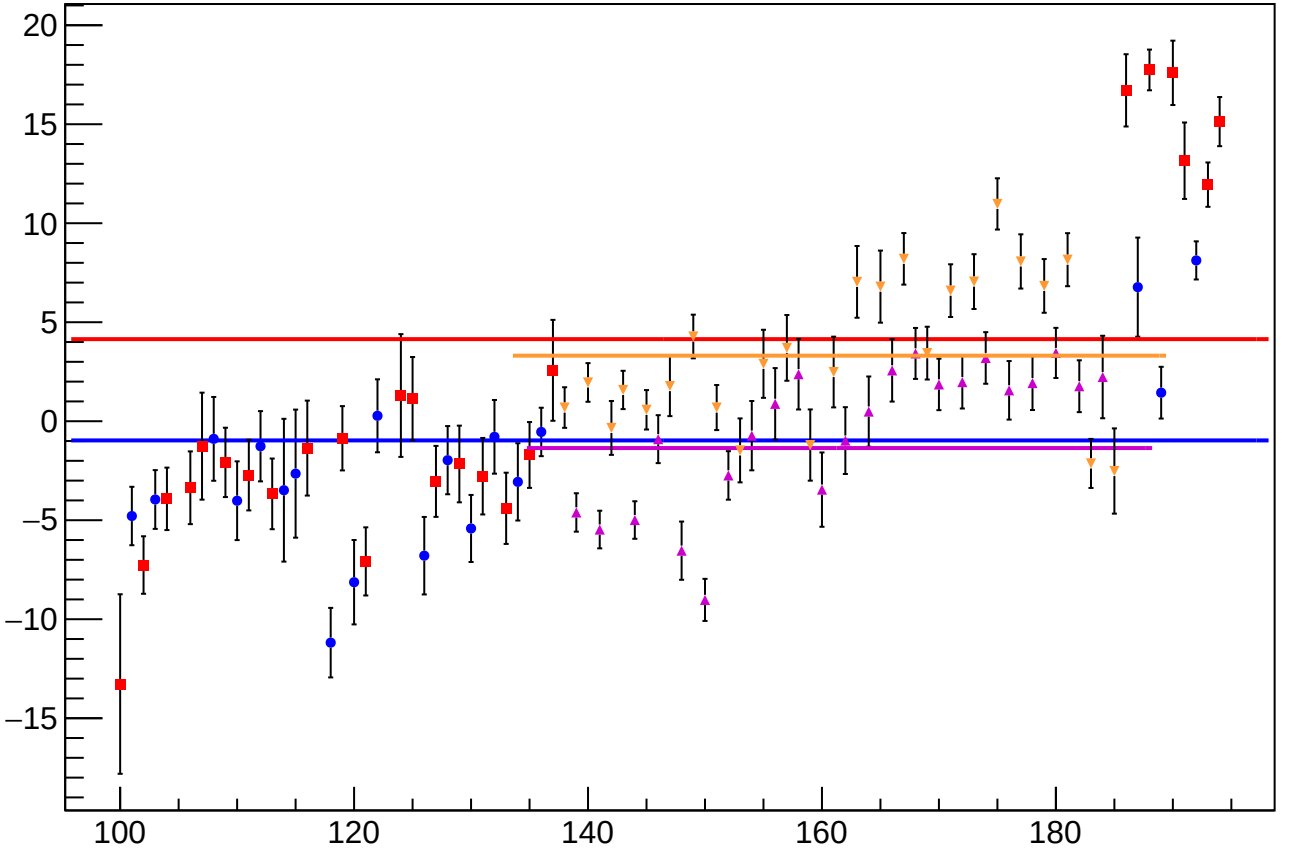
Right: 6114.114+/-0.978 χ^2/NDF: 621886.5/43

In: 6315.916+/-0.866 χ^2/NDF:764090.8/41

Out: 6239.533+/-0.809 χ^2/NDF:702862.4/49

All: 6275.122+/-0.591 χ^2/NDF: 1471109.6/91

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -0.970+/-0.386 χ^2/NDF: 178.9/18

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: 4.146+/-0.342 χ^2/NDF: 744.4/24

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

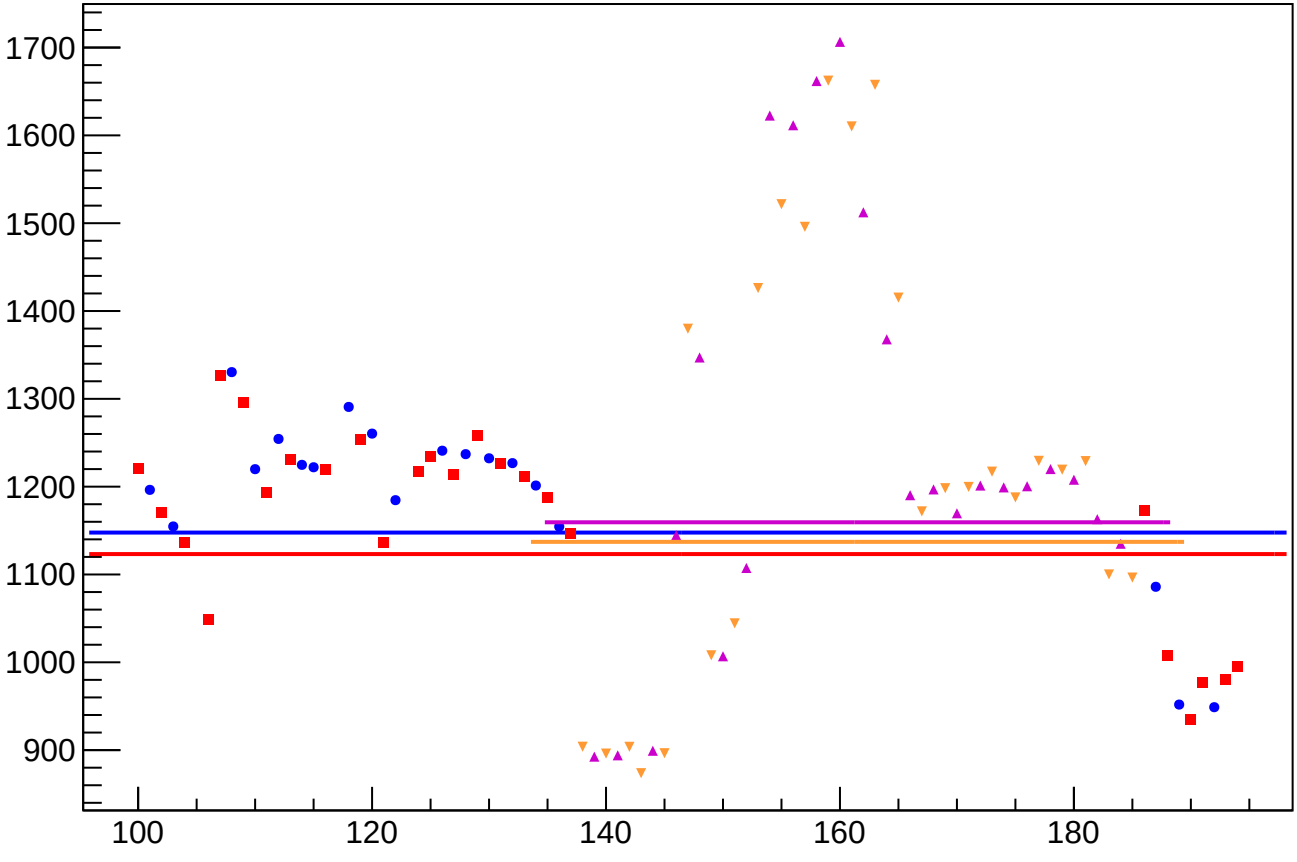
Right: 1.896+/-0.256 χ^2/NDF: 1021.6/43

In: -1.224+/-0.225 χ^2/NDF:375.8/41

Out: 3.623+/-0.209 χ^2/NDF:926.0/49

All: 1.374+/-0.153 χ^2/NDF: 1550.9/91

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1147.726+/-0.273 χ^2/NDF: 200103.6/18

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1123.238+/-0.242 χ^2/NDF: 218627.4/24

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

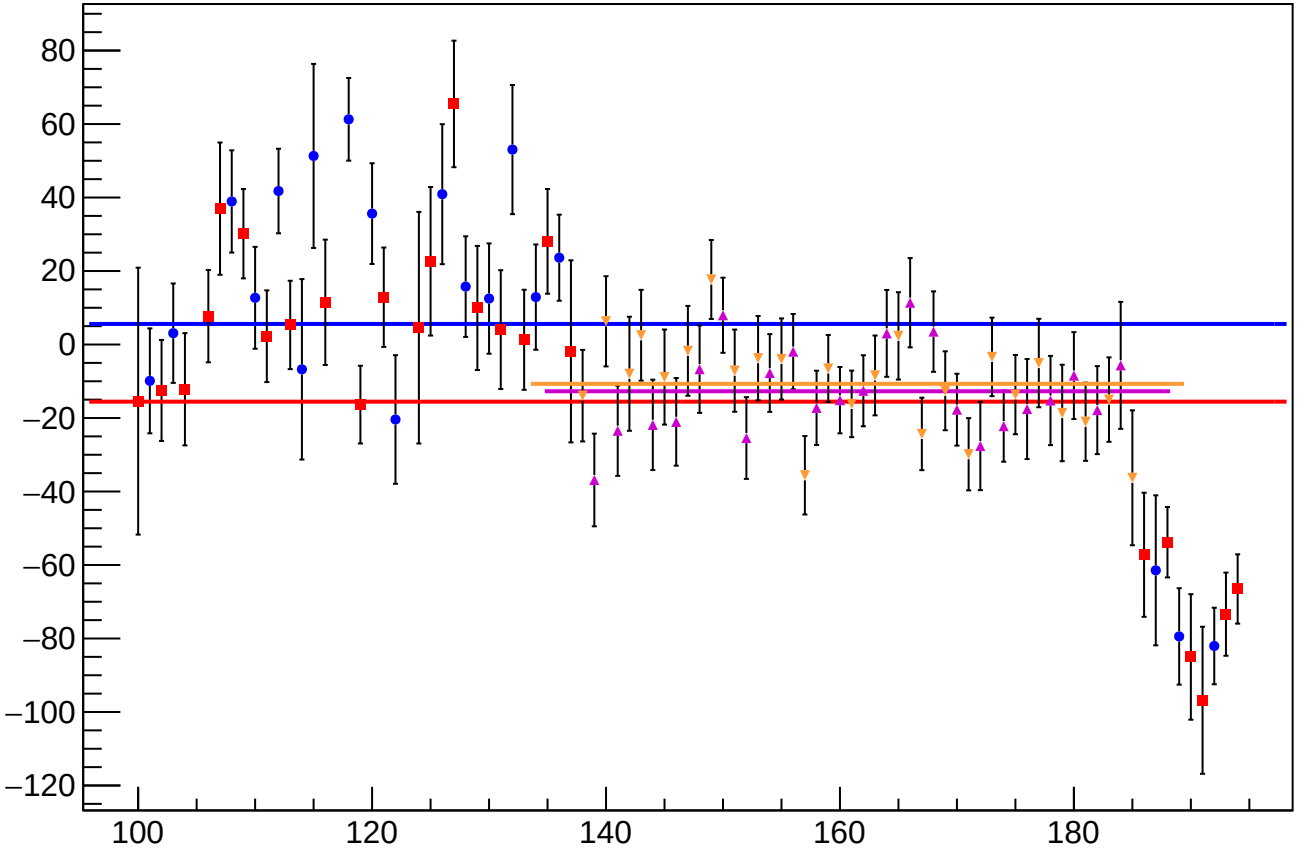
Right: 1134.009+/-0.181 χ^2/NDF: 423238.1/43

In: 1155.460+/-0.159 χ^2/NDF:1461112.0/41

Out: 1131.947+/-0.148 χ^2/NDF:1690384.0/49

All: 1142.856+/-0.108 χ^2/NDF: 3163215.9/91

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 5.598+/-3.272 χ^2/NDF: 190.0/18

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: -15.550+/-2.849 χ^2/NDF: 189.7/24

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

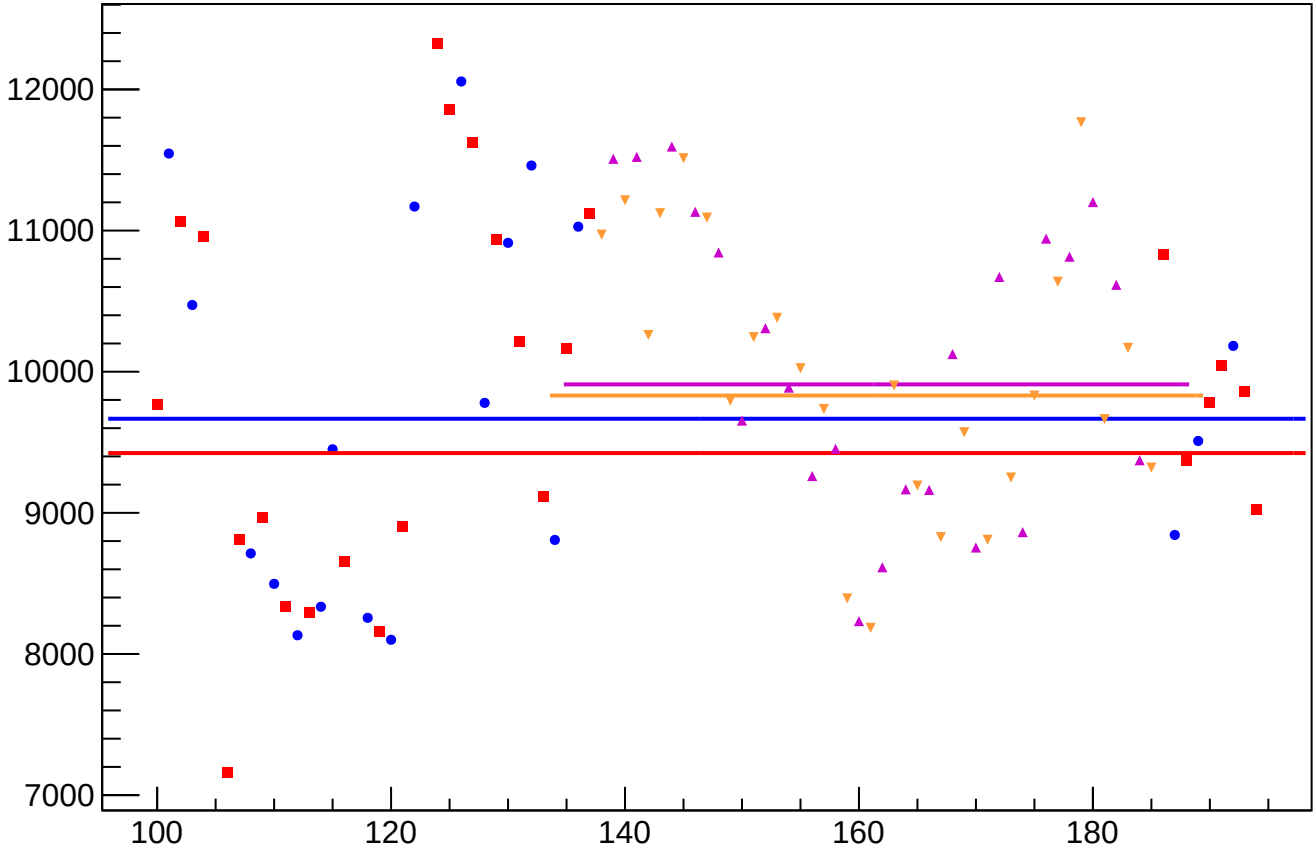
Right: -6.432+/-2.148 χ^2/NDF: 403.5/43

In: -6.517+/-1.904 χ^2/NDF:234.8/41

Out: -12.569+/-1.769 χ^2/NDF:220.2/49

All: -9.765+/-1.296 χ^2/NDF: 460.4/91

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9666.725+/-2.314 χ^2/NDF: 288208.4/18

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9423.635+/-2.014 χ^2/NDF: 325892.1/24

Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

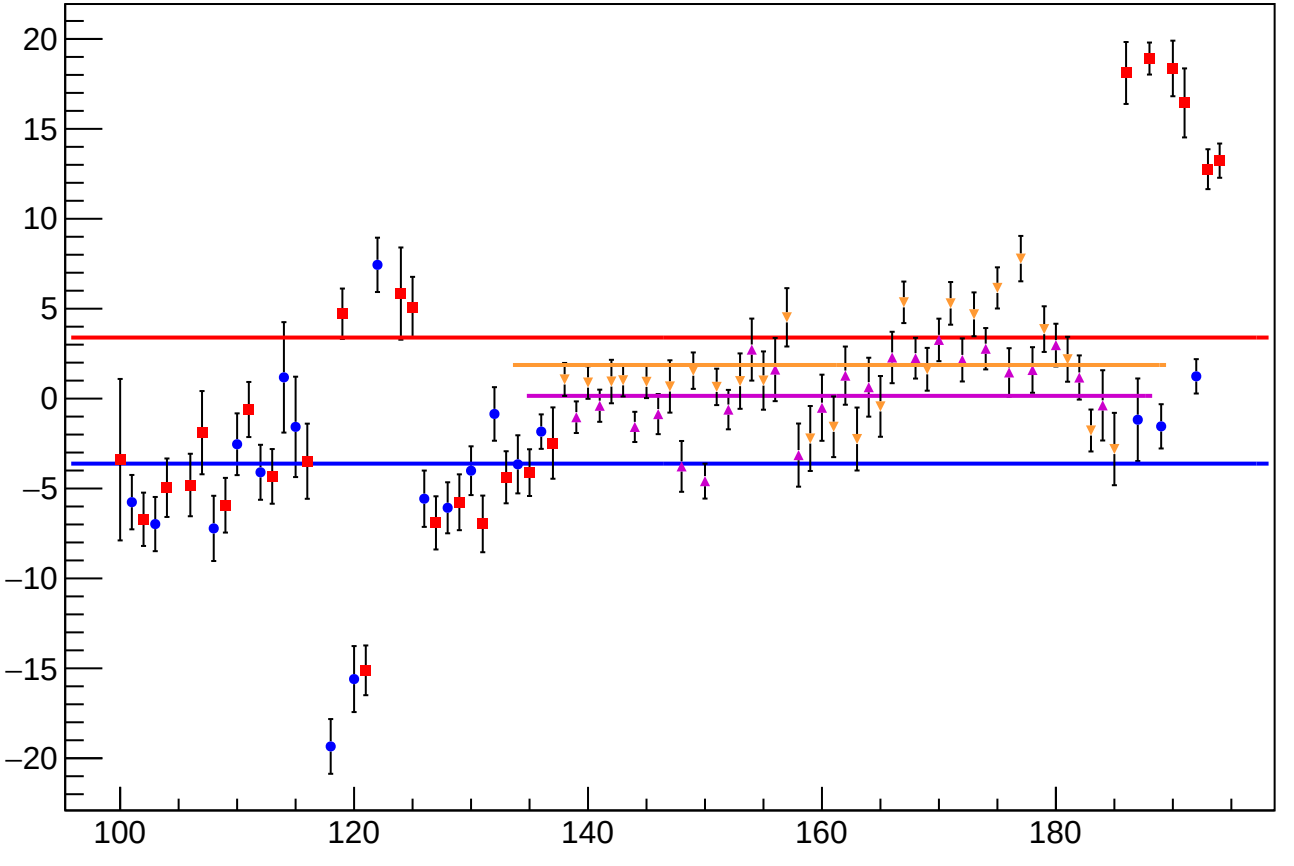
Right: 9528.449+/-1.519 χ^2/NDF: 620380.2/43

In: 9827.834+/-1.346 χ^2/NDF:684907.8/41

Out: 9674.062+/-1.251 χ^2/NDF:707178.9/49

All: 9745.318+/-0.916 χ^2/NDF: 1399088.5/91

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -3.617+/-0.340 χ^2/NDF: 258.6/18

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: 3.395+/-0.298 χ^2/NDF: 1258.0/24

Left In: 0.152+/-0.254 χ^2/NDF:75.7/22

Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

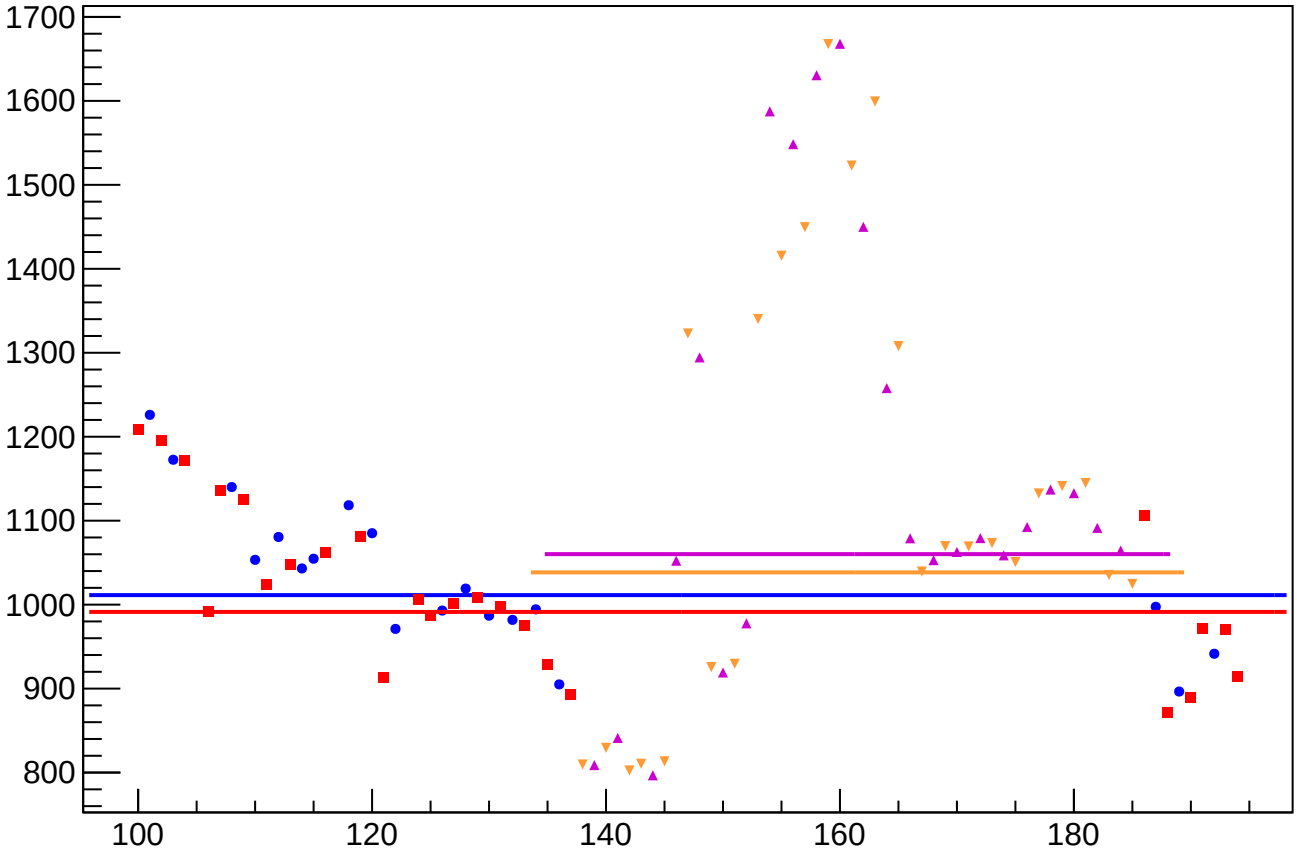
Right: 0.347+/-0.224 χ^2/NDF: 1757.4/43

In: -1.203+/-0.204 χ^2/NDF:413.0/41

Out: 2.478+/-0.188 χ^2/NDF:1377.0/49

All: 0.783+/-0.138 χ^2/NDF: 1966.2/91

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1011.346+/-0.240 χ^2/NDF: 148586.6/18

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 991.335+/-0.211 χ^2/NDF: 189043.4/24

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

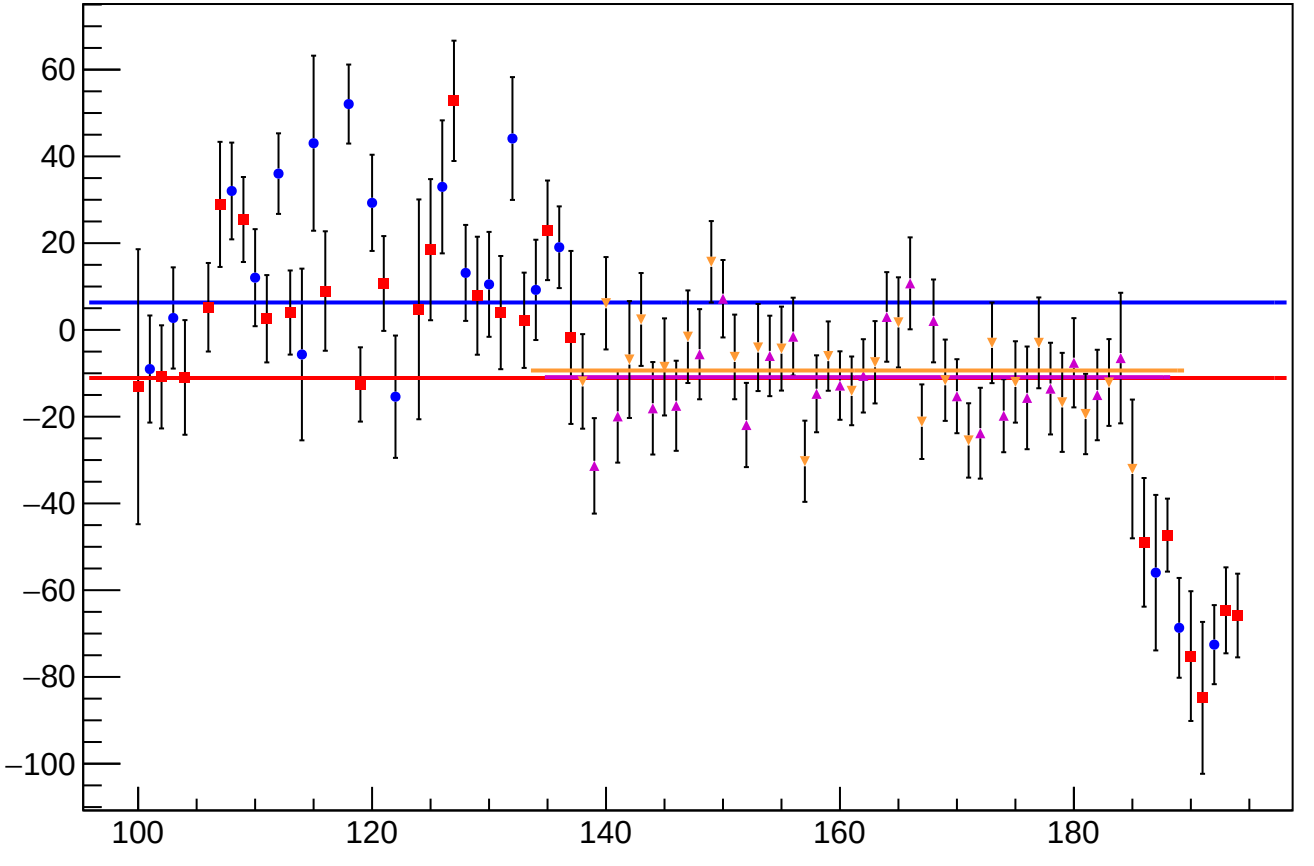
Right: 1000.035+/-0.158 χ^2/NDF: 341552.1/43

In: 1042.616+/-0.144 χ^2/NDF:1698257.9/41

Out: 1019.636+/-0.133 χ^2/NDF:1925737.9/49

All: 1030.217+/-0.098 χ^2/NDF: 3637733.6/91

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 6.323+/-2.697 χ^2/NDF: 195.0/18

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: -11.086+/-2.398 χ^2/NDF: 195.8/24

Left In: -10.892+/-2.043 χ^2/NDF:23.6/22

Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

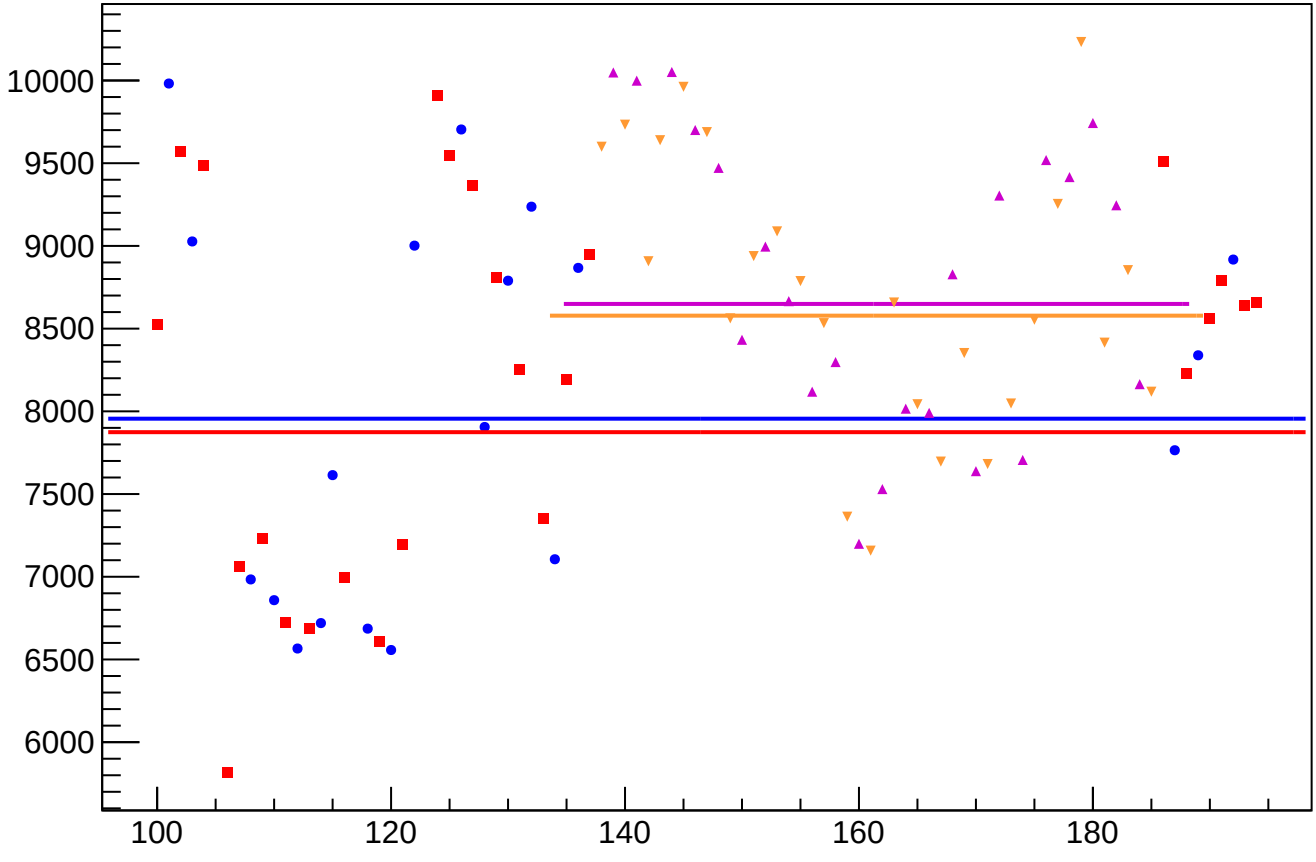
Right: -3.401+/-1.792 χ^2/NDF: 414.1/43

In: -4.617+/-1.628 χ^2/NDF:244.5/41

Out: -10.052+/-1.522 χ^2/NDF:224.7/49

All: -7.518+/-1.112 χ^2/NDF: 475.1/91

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7955.557+/-1.907 χ^2/NDF: 346168.6/18

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 7874.060+/-1.695 χ^2/NDF: 426152.5/24

Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

Left: 8612.520+/-1.002 χ^2/NDF: 722899.8/47

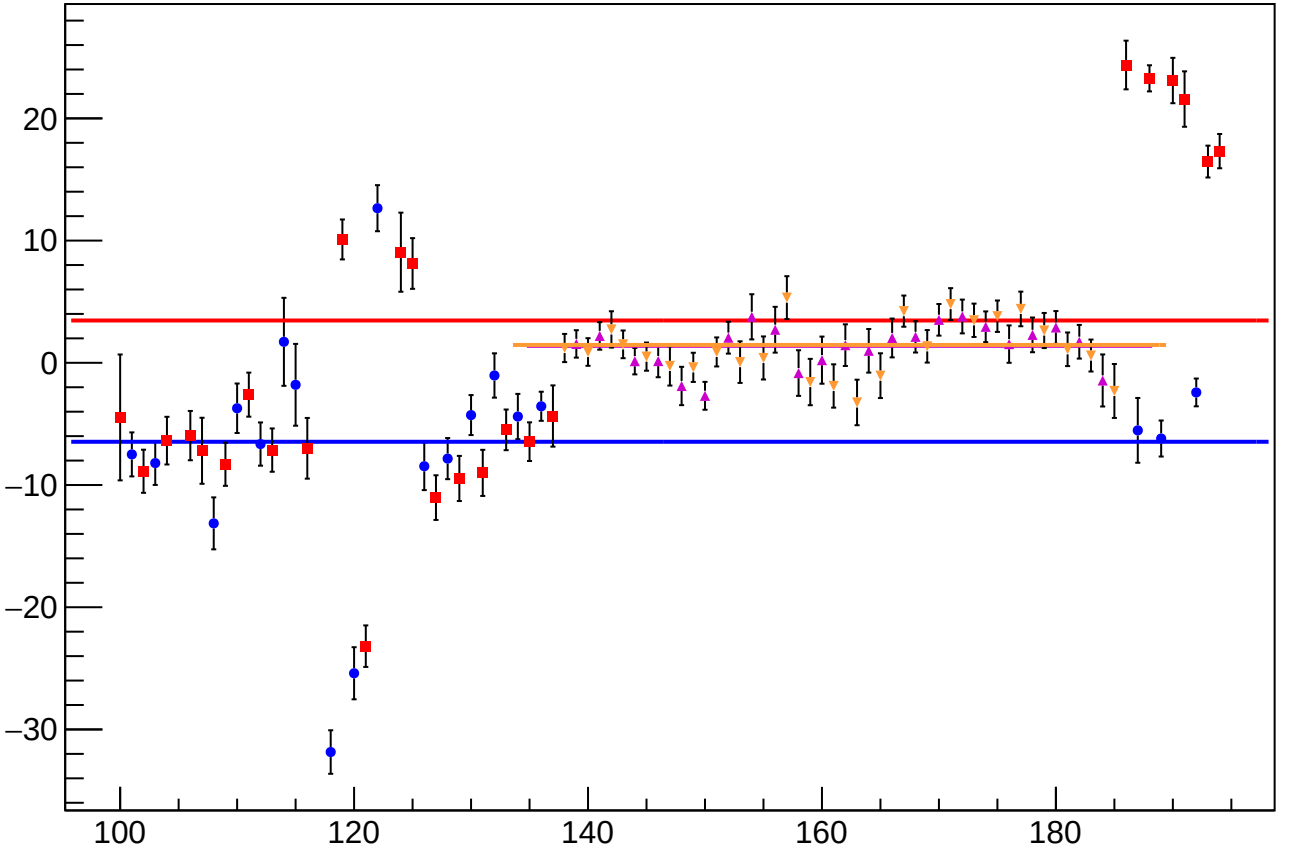
Right: 7910.035+/-1.267 χ^2/NDF: 773341.1/43

In: 8396.401+/-1.151 χ^2/NDF:808180.1/41

Out: 8294.671+/-1.076 χ^2/NDF:872943.8/49

All: 8342.100+/-0.786 χ^2/NDF: 1685291.1/91

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -6.461+/-0.406 χ^2/NDF: 437.4/18

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: 3.462+/-0.361 χ^2/NDF: 1554.2/24

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

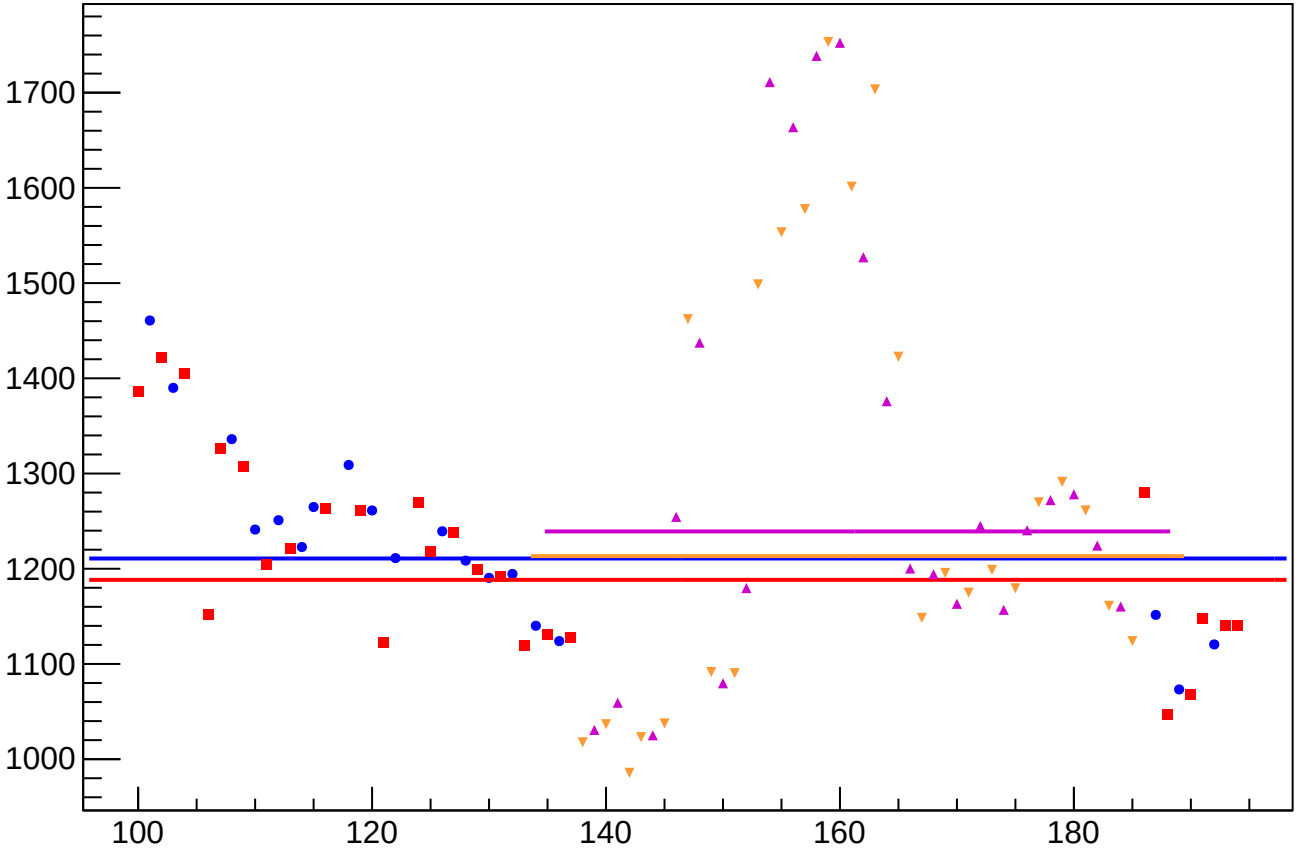
Right: -0.916+/-0.270 χ^2/NDF: 2324.8/43

In: -1.310+/-0.238 χ^2/NDF:717.8/41

Out: 2.214+/-0.222 χ^2/NDF:1624.4/49

All: 0.580+/-0.162 χ^2/NDF: 2459.5/91

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1210.765+/-0.287 χ^2/NDF: 120213.4/18

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1188.349+/-0.255 χ^2/NDF: 150989.0/24

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

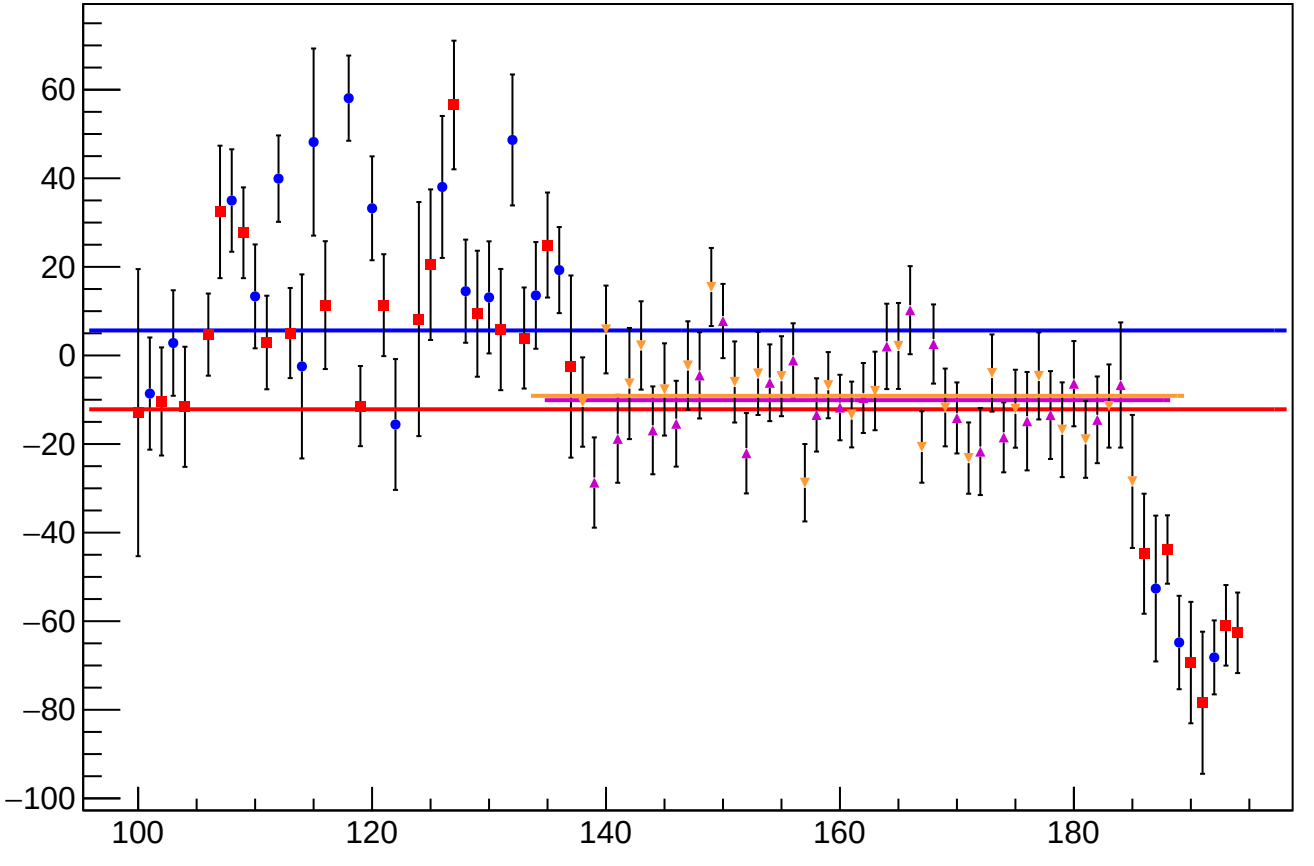
Right: 1198.239+/-0.191 χ^2/NDF: 274601.8/43

In: 1229.403+/-0.169 χ^2/NDF:1012221.0/41

Out: 1203.887+/-0.157 χ^2/NDF:1169687.7/49

All: 1215.714+/-0.115 χ^2/NDF: 2194204.8/91

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 5.646+/-2.749 χ^2/NDF: 213.2/18

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: -12.156+/-2.393 χ^2/NDF: 198.4/24

Left In: -10.095+/-1.911 χ^2/NDF:24.3/22

Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

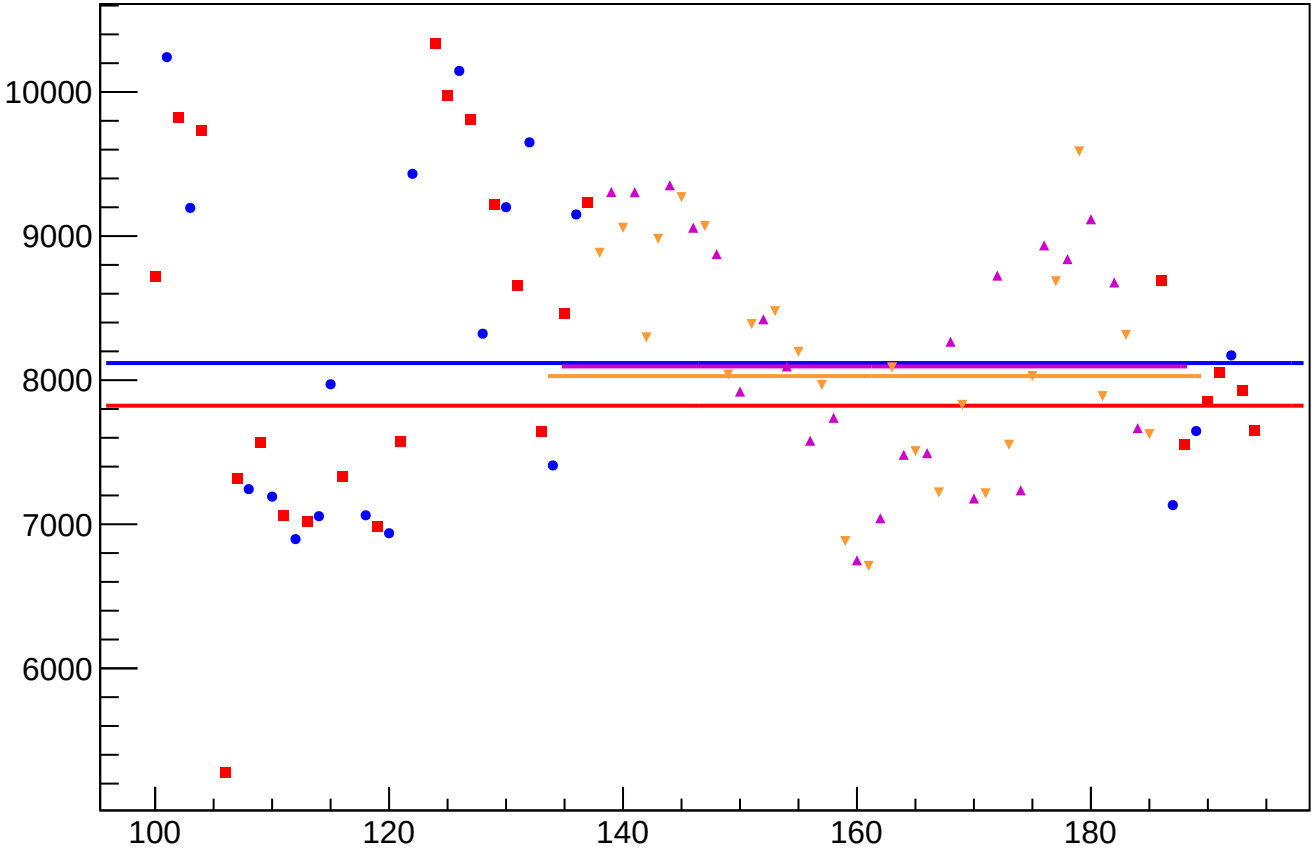
Right: -4.481+/-1.805 χ^2/NDF: 435.5/43

In: -4.965+/-1.569 χ^2/NDF:259.6/41

Out: -10.246+/-1.460 χ^2/NDF:228.2/49

All: -7.796+/-1.069 χ^2/NDF: 493.9/91

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8118.805+/-1.944 χ^2/NDF: 302850.1/18

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 7822.863+/-1.692 χ^2/NDF: 435114.5/24

Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

Left: 8060.478+/-0.938 χ^2/NDF: 701195.2/47

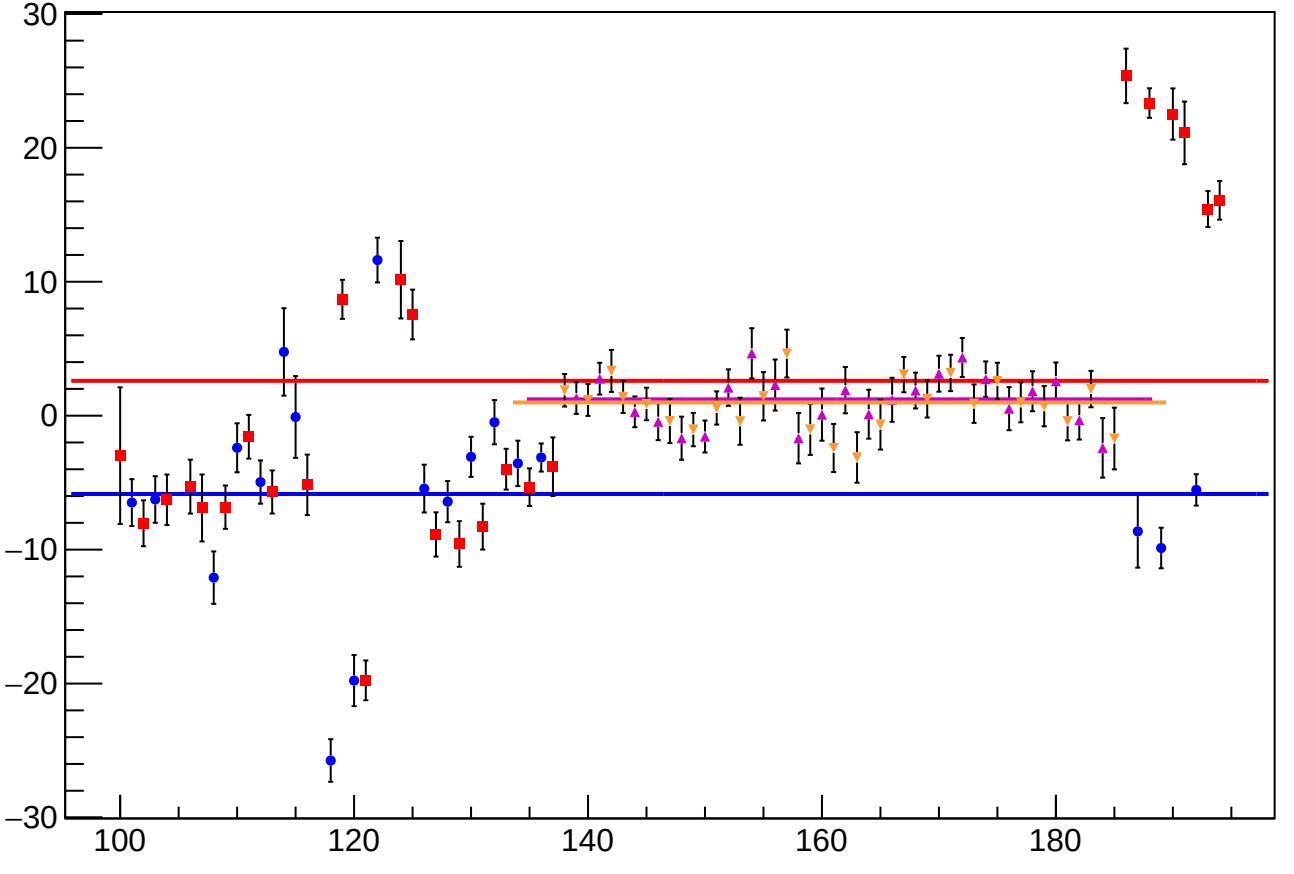
Right: 7950.455+/-1.276 χ^2/NDF: 751150.7/43

In: 8103.005+/-1.110 χ^2/NDF:670399.6/41

Out: 7951.694+/-1.032 χ^2/NDF:776803.8/49

All: 8021.896+/-0.756 χ^2/NDF: 1457171.1/91

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.845+/-0.379 χ^2/NDF: 378.7/18

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: 2.604+/-0.343 χ^2/NDF: 1456.1/24

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

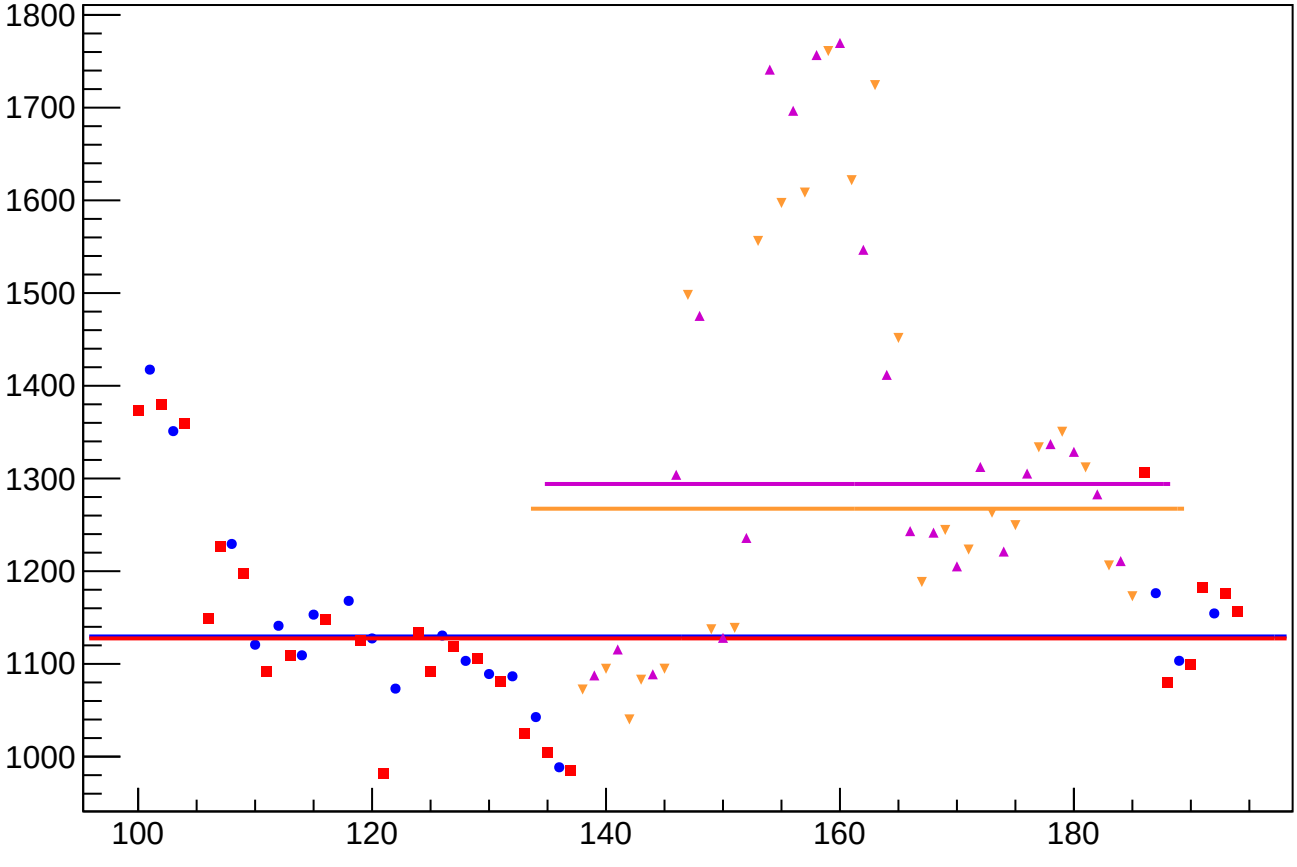
Right: -1.197+/-0.255 χ^2/NDF: 2107.5/43

In: -1.571+/-0.238 χ^2/NDF:621.5/41

Out: 1.668+/-0.223 χ^2/NDF:1499.9/49

All: 0.160+/-0.163 χ^2/NDF: 2220.0/91

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1129.597+/-0.268 χ^2/NDF: 142768.3/18

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1127.503+/-0.243 χ^2/NDF: 165637.9/24

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

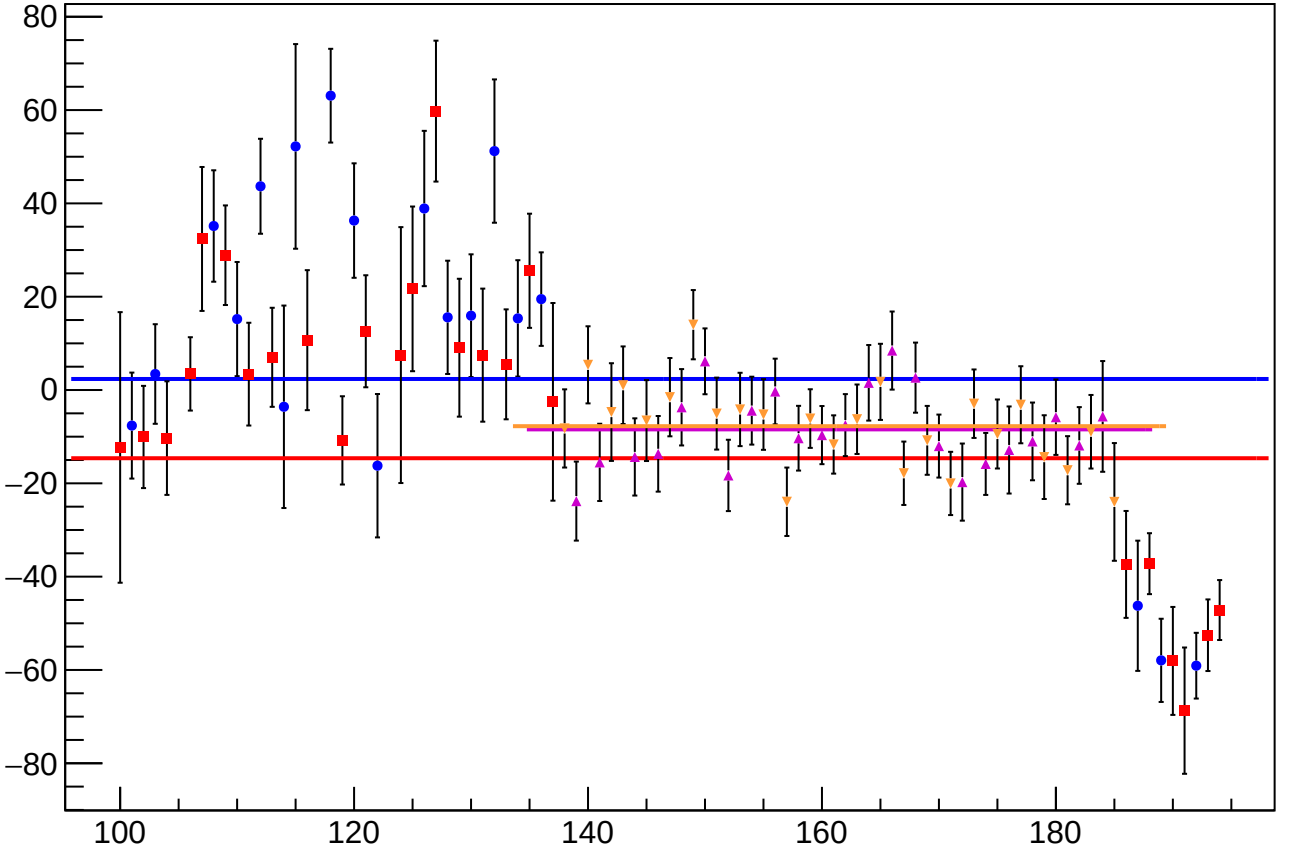
Right: 1128.445+/-0.180 χ^2/NDF: 308439.8/43

In: 1229.115+/-0.169 χ^2/NDF:1128331.8/41

Out: 1208.561+/-0.157 χ^2/NDF:1236704.6/49

All: 1218.128+/-0.115 χ^2/NDF: 2372978.7/91

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 2.366+/-2.677 χ^2/NDF: 232.0/18

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: -14.620+/-2.209 χ^2/NDF: 190.7/24

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

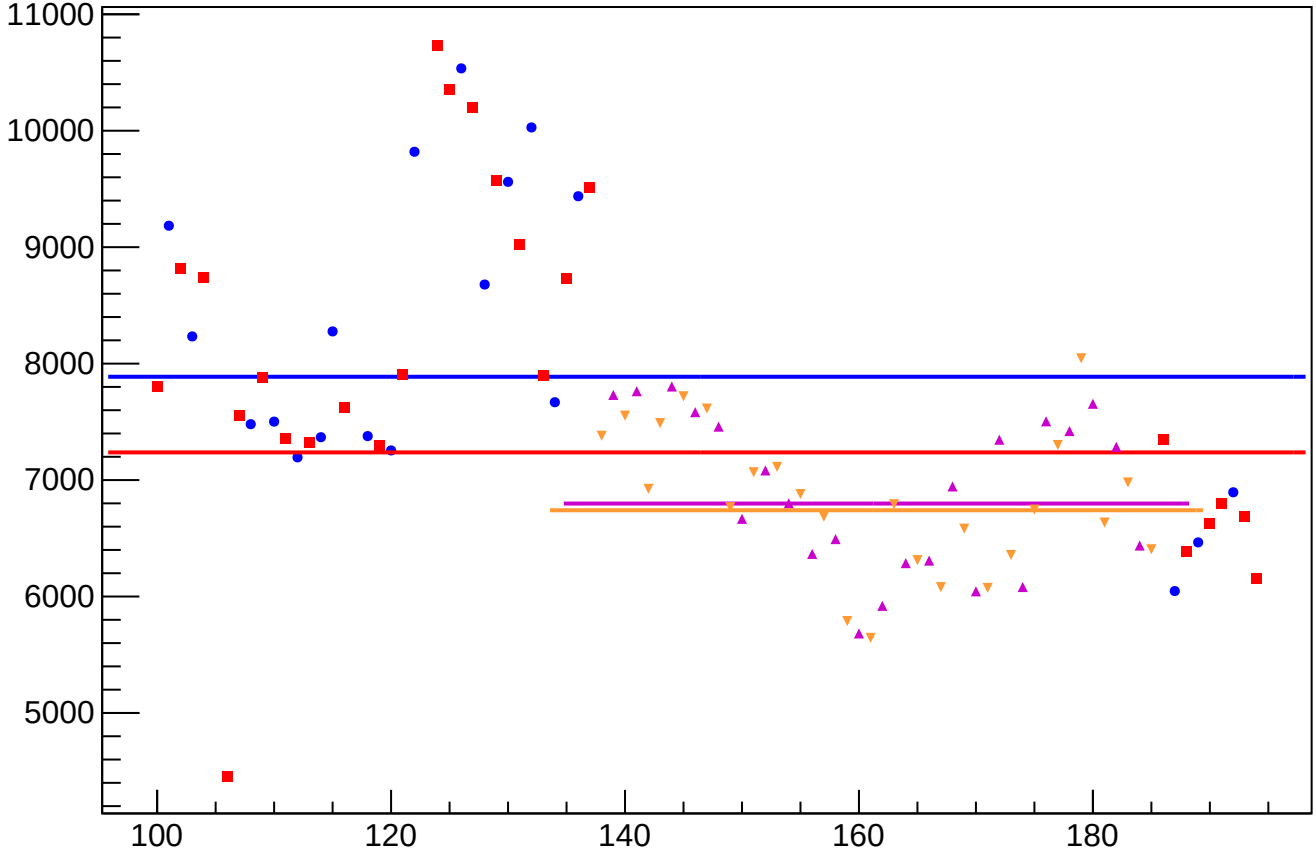
Right: -7.738+/-1.704 χ^2/NDF: 446.6/43

In: -5.582+/-1.376 χ^2/NDF:268.8/41

Out: -10.011+/-1.267 χ^2/NDF:227.6/49

All: -7.979+/-0.932 χ^2/NDF: 502.0/91

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 7887.176+/-1.893 χ^2/NDF: 389846.5/18

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 7237.600+/-1.562 χ^2/NDF: 760606.9/24

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

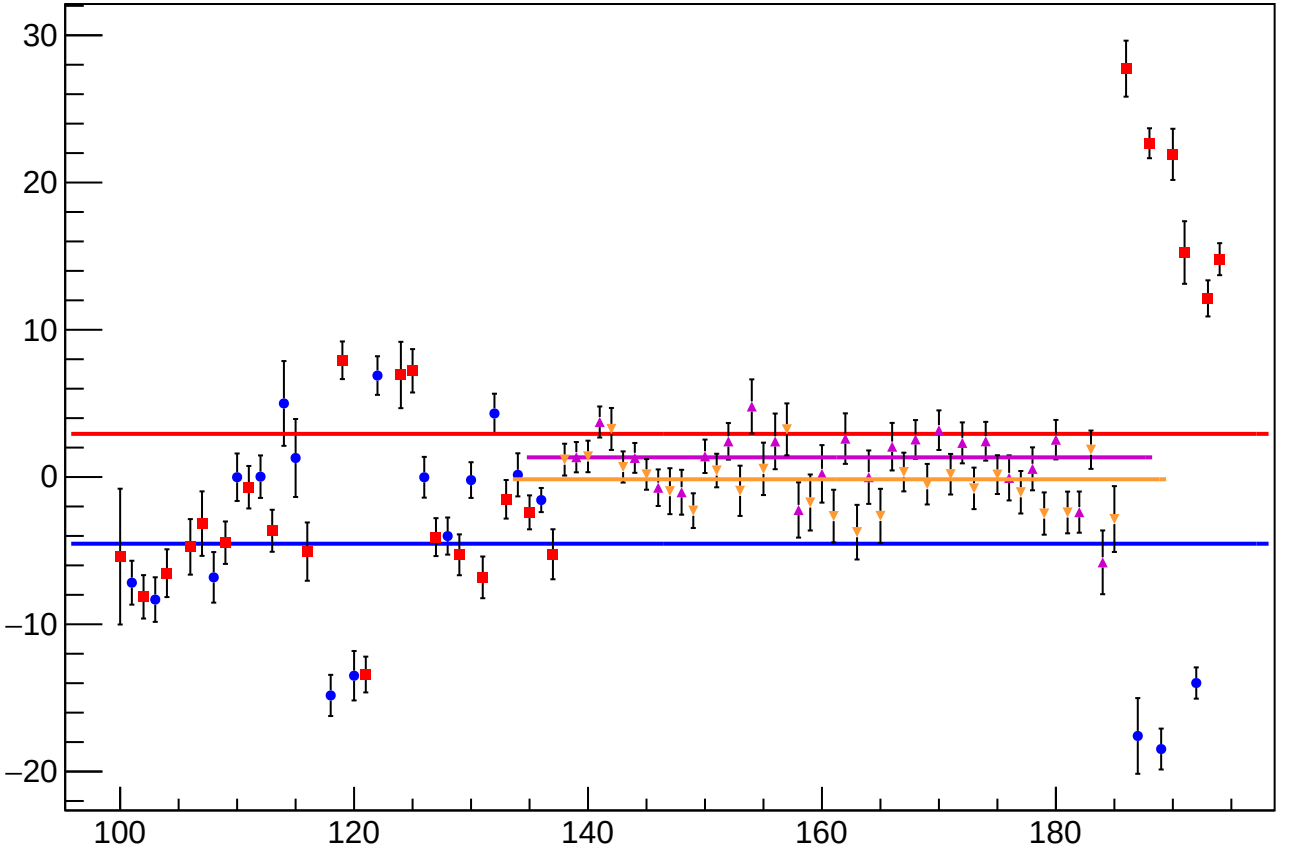
Right: 7500.789+/-1.205 χ^2/NDF: 1220499.9/43

In: 7086.285+/-0.973 χ^2/NDF:986454.9/41

Out: 6904.206+/-0.896 χ^2/NDF:1145171.7/49

All: 6987.730+/-0.659 χ^2/NDF: 2150573.3/91

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -4.529+/-0.321 χ^2/NDF: 499.6/18

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: 2.931+/-0.293 χ^2/NDF: 1439.4/24

Left In: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

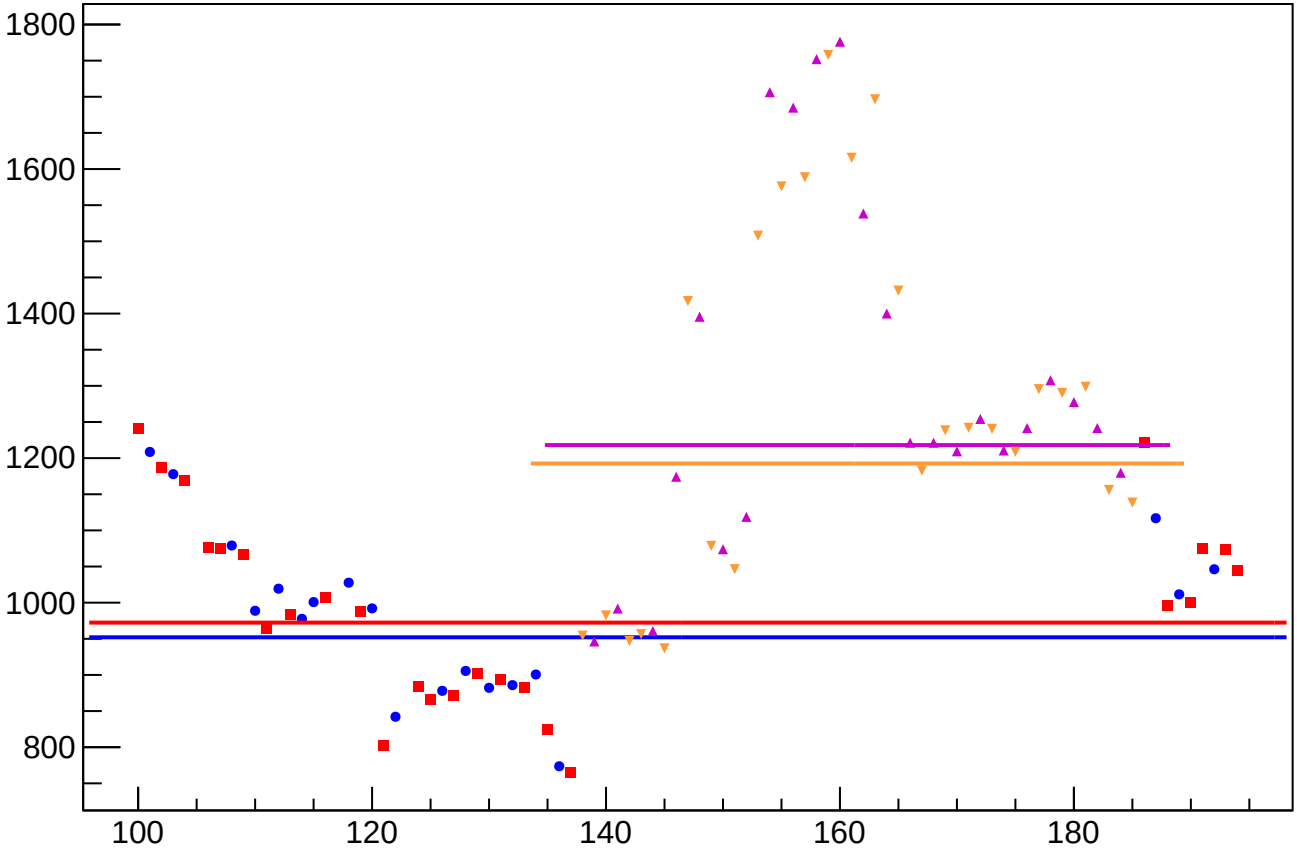
Right: -0.459+/-0.216 χ^2/NDF: 2233.5/43

In: -1.300+/-0.215 χ^2/NDF:727.4/41

Out: 1.301+/-0.201 χ^2/NDF:1534.0/49

All: 0.088+/-0.147 χ^2/NDF: 2339.2/91

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 952.078+/-0.227 χ^2/NDF: 286730.9/18

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 972.400+/-0.207 χ^2/NDF: 311012.8/24

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

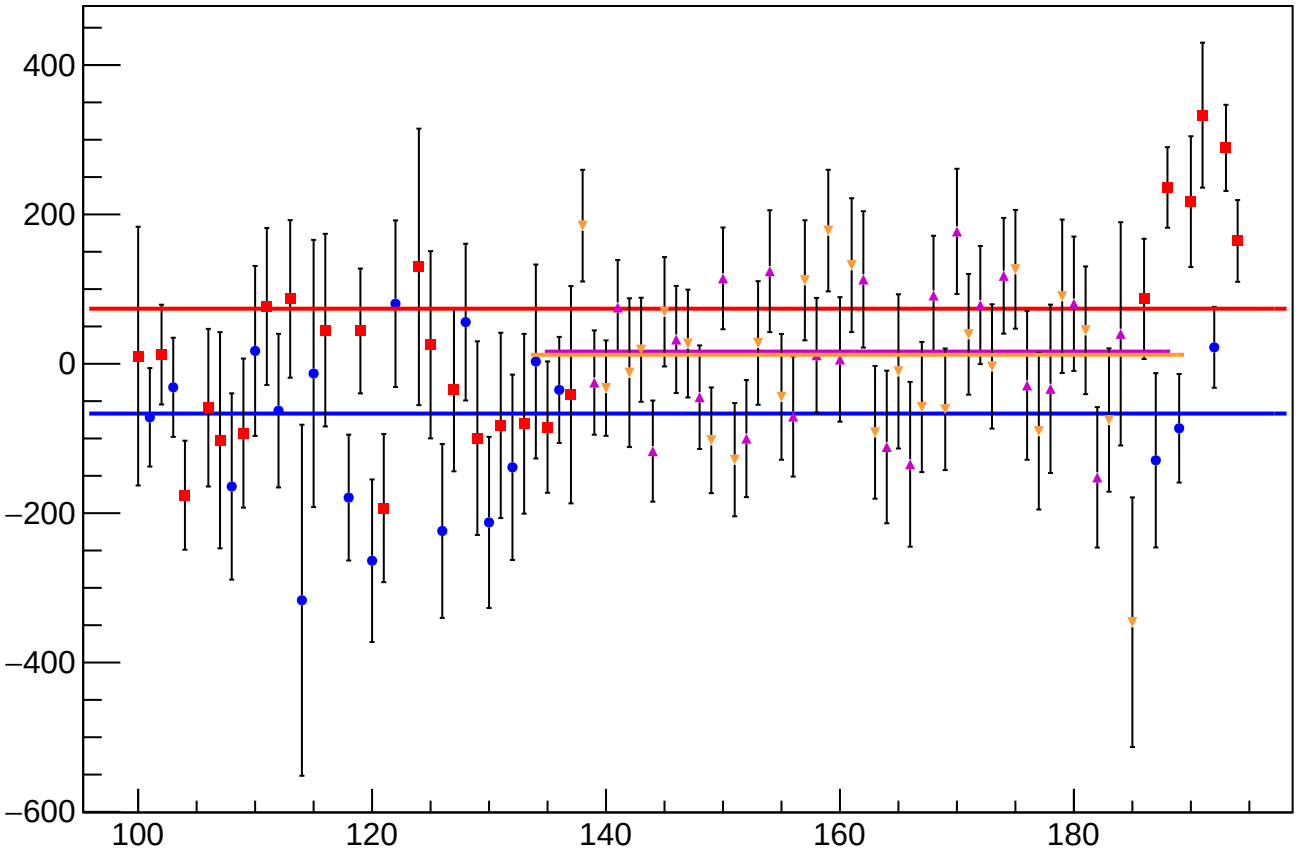
Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

Right: 963.165+/-0.153 χ^2/NDF: 602114.3/43

In: 1098.496+/-0.152 χ^2/NDF:2170084.0/41

Out: 1088.805+/-0.142 χ^2/NDF:2228036.9/49

All: 1093.323+/-0.104 χ^2/NDF: 4400284.3/91



Right In: -66.634+/-21.243 χ^2/NDF: 18.1/18

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

Right Out: 73.787+/-18.005 χ^2/NDF: 71.7/24

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

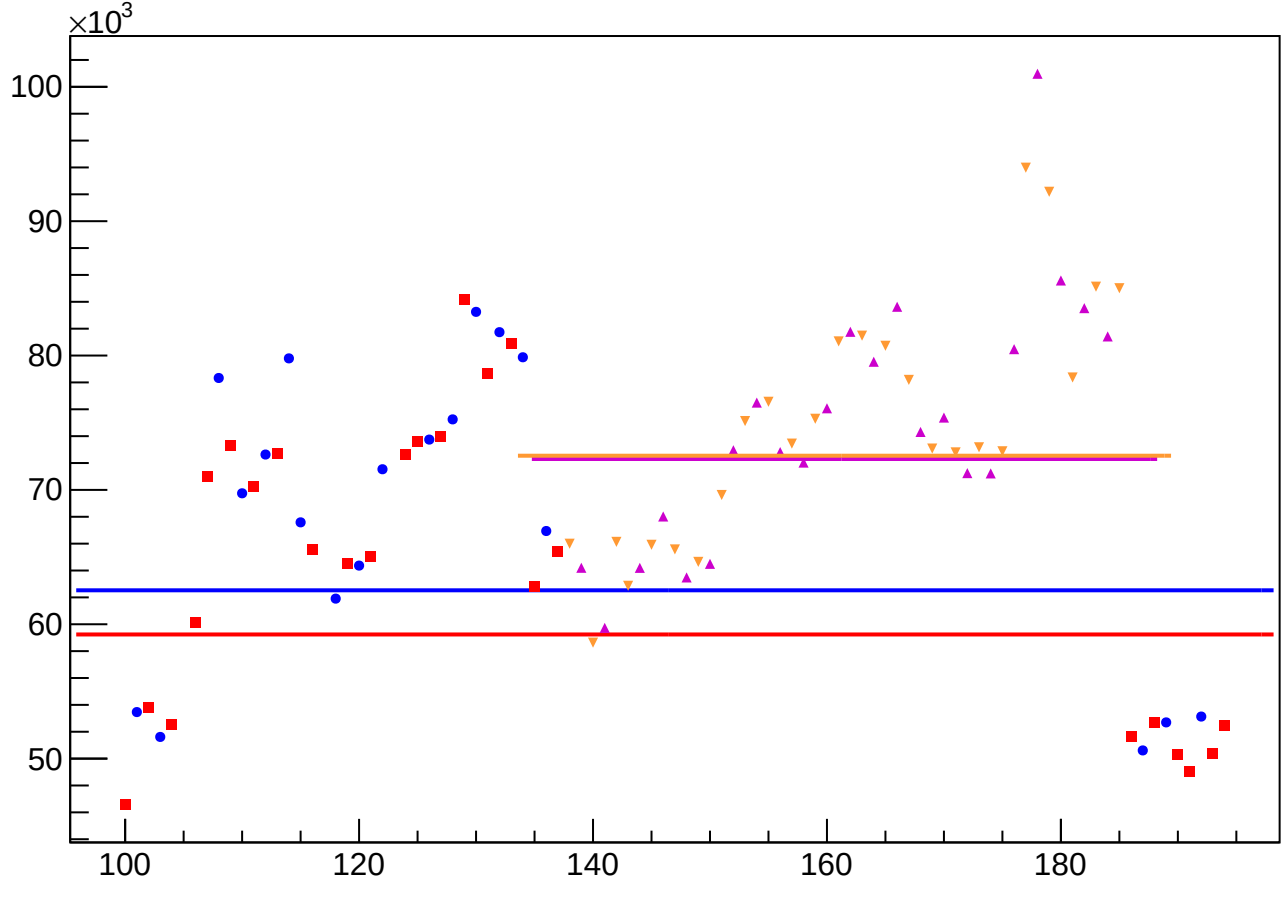
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 15.083+/-13.735 χ^2/NDF: 115.2/43

In: -16.095+/-13.282 χ^2/NDF:56.1/41

Out: 40.447+/-12.208 χ^2/NDF:110.8/49

All: 14.554+/-8.988 χ^2/NDF: 176.8/91



Right In: 62527.288+/-15.021 χ^2/NDF: 500003.0/18

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 59240.161+/-12.732 χ^2/NDF: 603532.2/24

Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

Left: 72425.429+/-8.405 χ^2/NDF: 989056.6/47

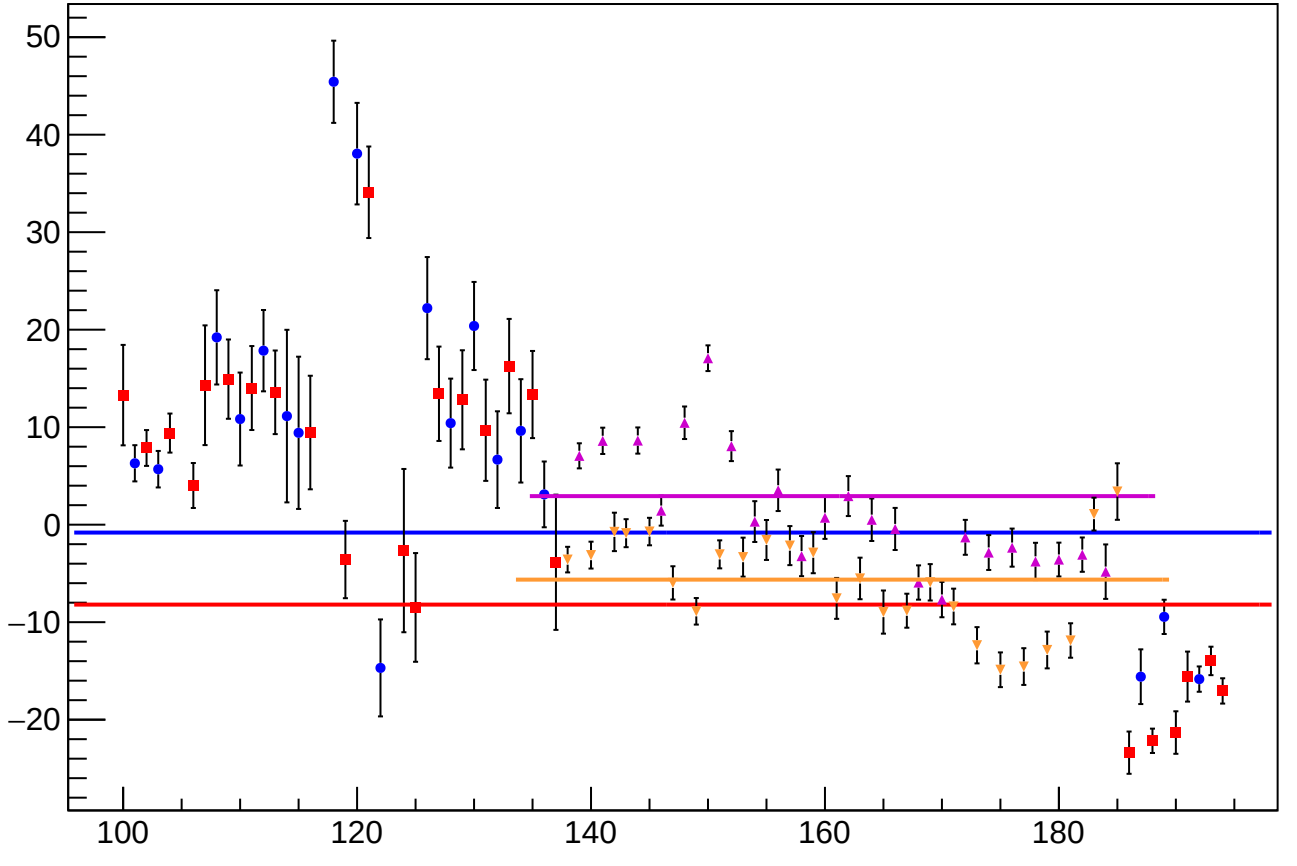
Right: 60614.368+/-9.712 χ^2/NDF: 1131403.2/43

In: 68480.253+/-9.391 χ^2/NDF:1246633.8/41

Out: 66428.409+/-8.632 χ^2/NDF:1693593.7/49

All: 67368.040+/-6.355 χ^2/NDF: 2966101.7/9

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -0.810+/-0.671 χ^2/NDF: 497.8/18

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: -8.197+/-0.522 χ^2/NDF: 768.5/24

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

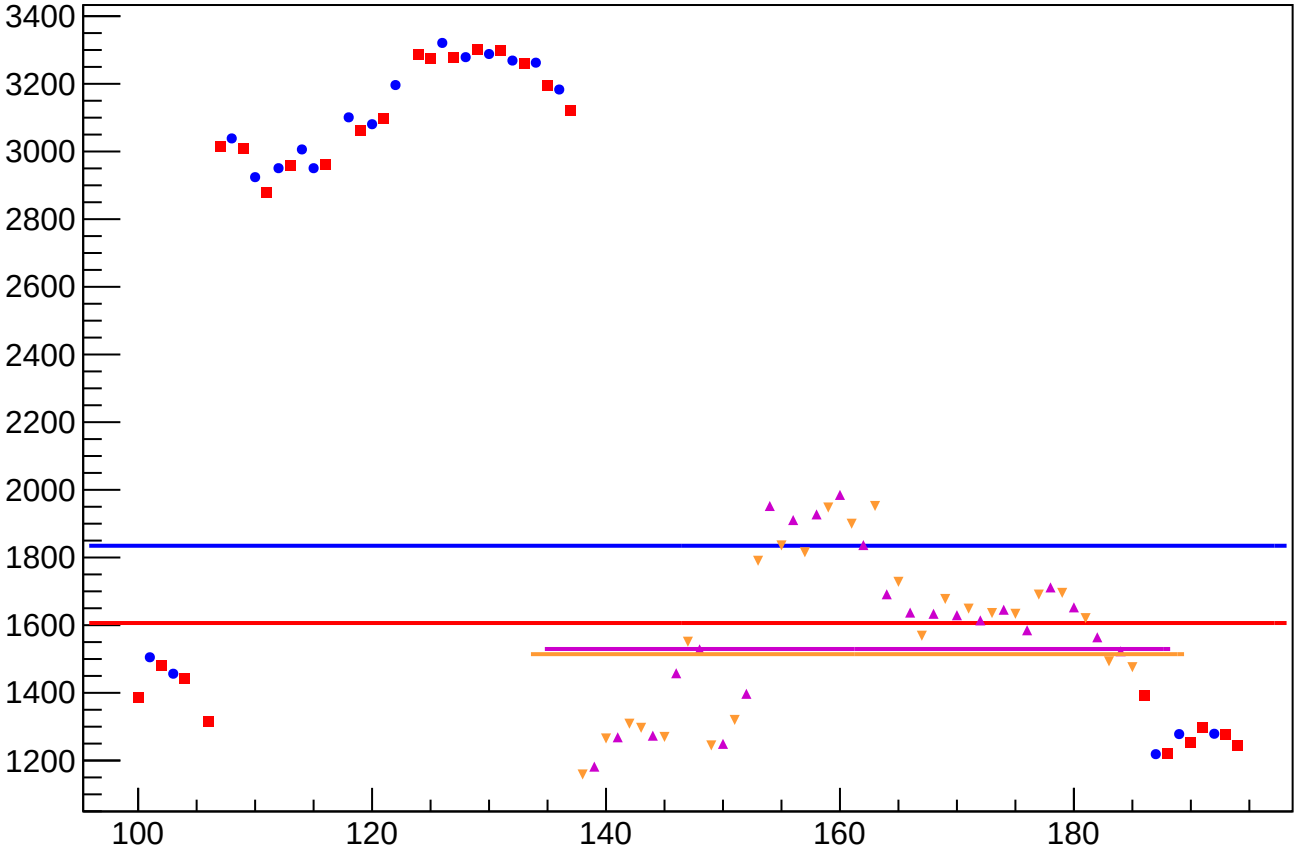
Right: -5.407+/-0.412 χ^2/NDF: 1341.9/43

In: 2.084+/-0.319 χ^2/NDF:859.3/41

Out: -6.426+/-0.290 χ^2/NDF:963.3/49

All: -2.569+/-0.215 χ^2/NDF: 2212.4/91

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 1834.735+/-0.474 χ^2/NDF: 2900651.7/18

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1606.376+/-0.369 χ^2/NDF: 3417334.4/24

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

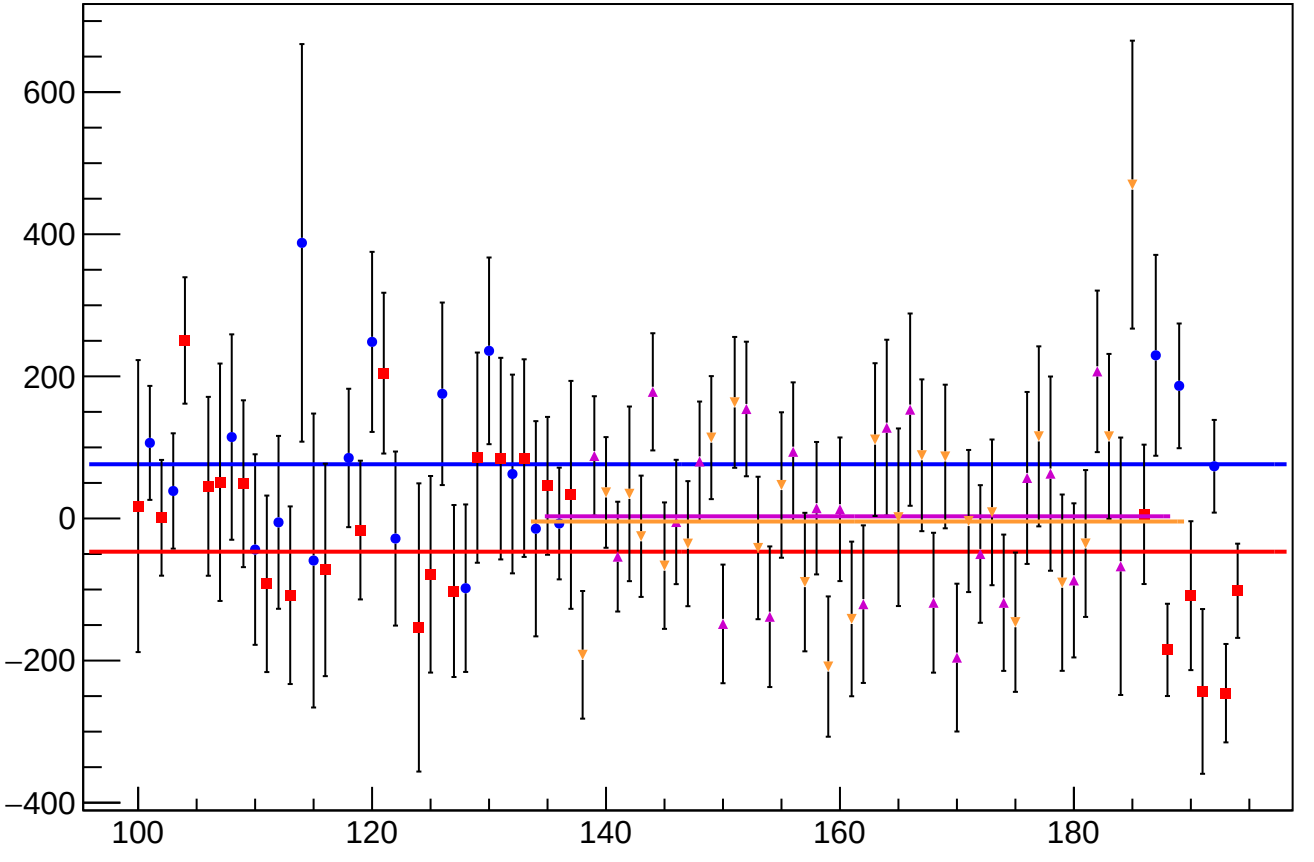
Right: 1692.632+/-0.291 χ^2/NDF: 6462321.8/43

In: 1598.567+/-0.225 χ^2/NDF:4049624.6/41

Out: 1542.738+/-0.205 χ^2/NDF:4393586.8/49

All: 1568.044+/-0.152 χ^2/NDF: 8476758.2/91

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 76.288+/-24.916 χ^2/NDF: 14.4/18

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

Right Out: -46.764+/-21.278 χ^2/NDF: 39.8/24

Left In: 3.017+/-20.720 χ^2/NDF:30.7/22

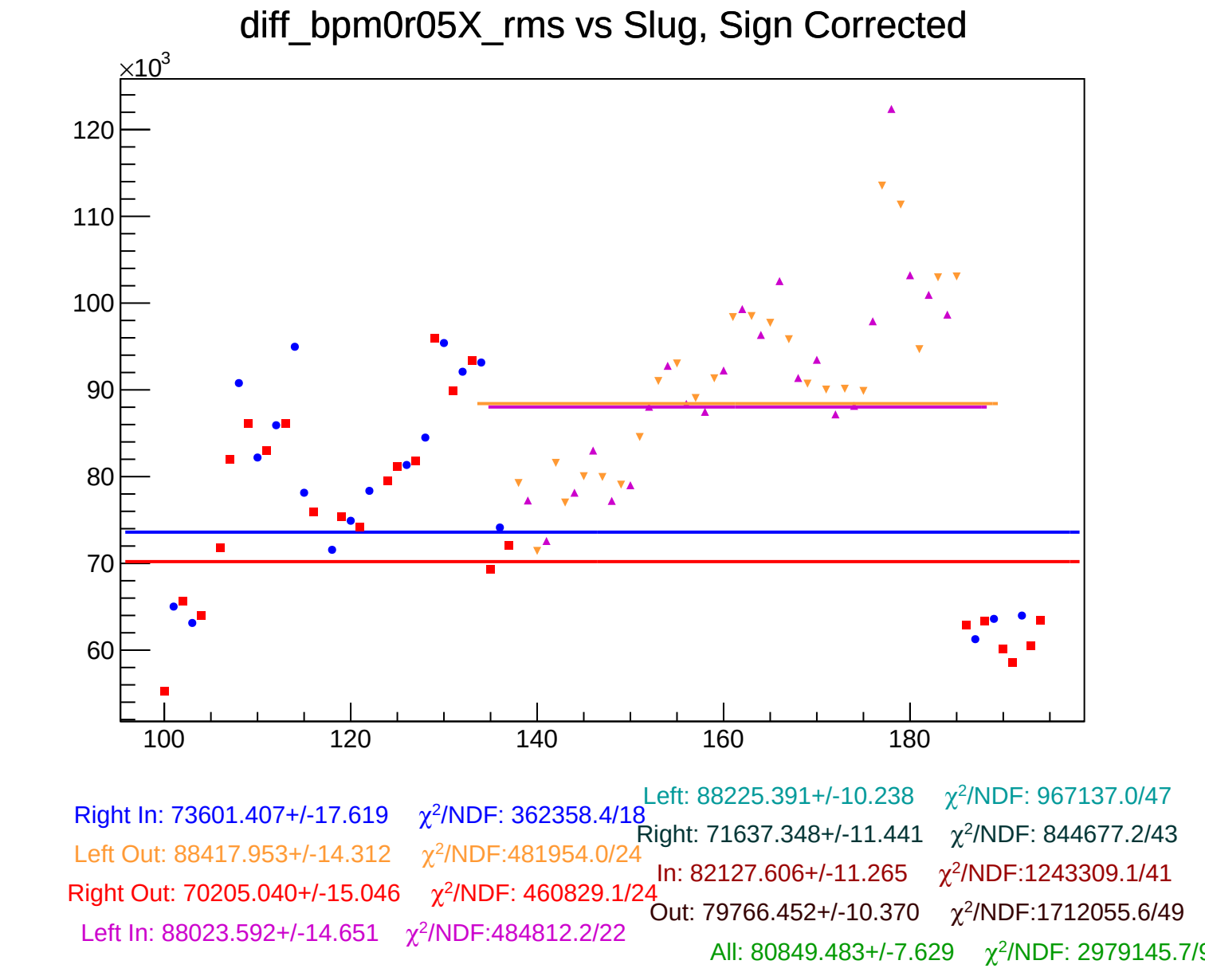
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 5.129+/-16.181 χ^2/NDF: 68.4/43

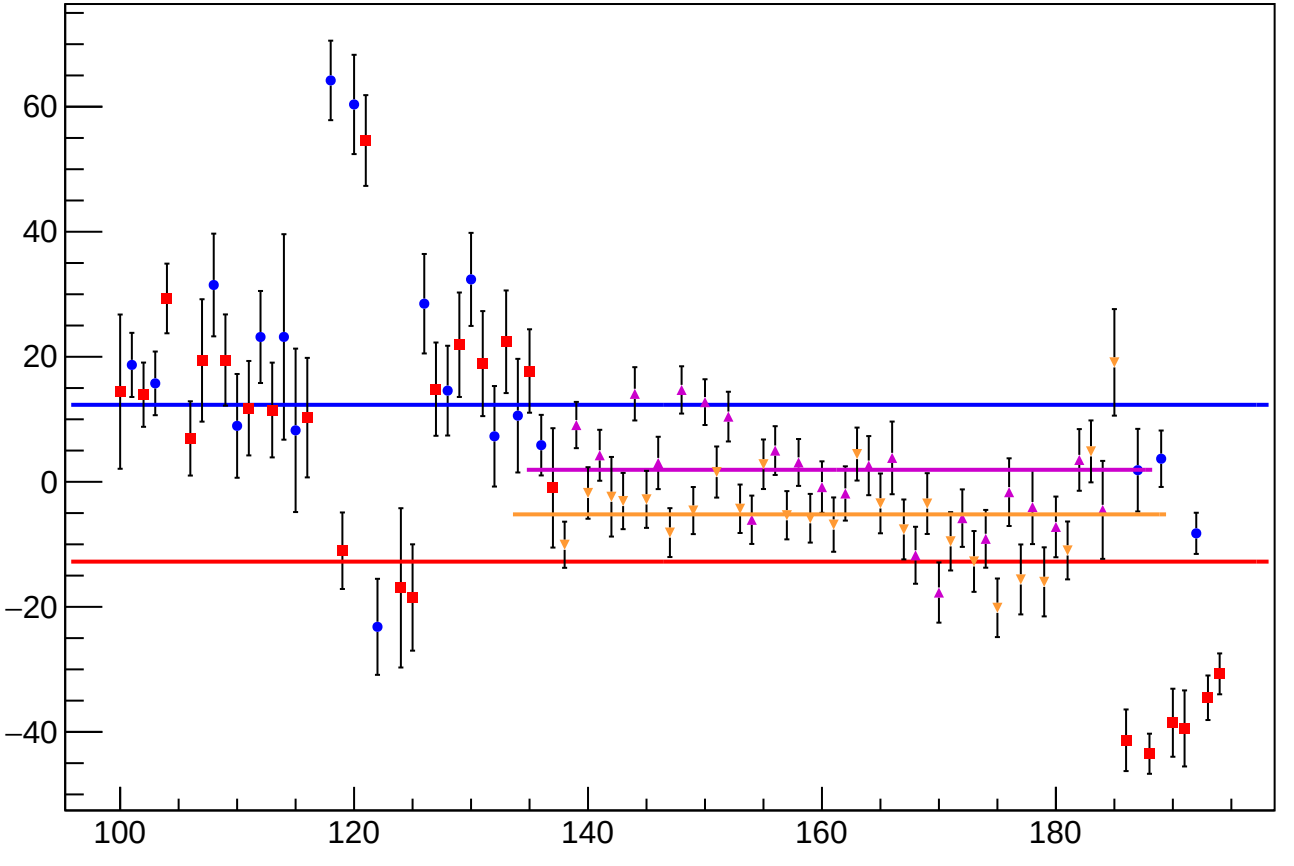
In: 32.971+/-15.931 χ^2/NDF:50.3/41

Out: -24.458+/-14.665 χ^2/NDF:72.4/49

All: 1.884+/-10.790 χ^2/NDF: 129.7/91


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
120
110
100
90
80
70
60
100
120
140
160
180
Right In: 73601.407+/-17.619 χ²/NDF: 362358.4/18
Left Out: 88417.953+/-14.312 χ²/NDF:481954.0/24
Right Out: 70205.040+/-15.046 χ²/NDF: 460829.1/24
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
Left: 88225.391+/-10.238 χ²/NDF: 967137.0/47
Right: 71637.348+/-11.441 χ²/NDF: 844677.2/43
In: 82127.606+/-11.265 χ²/NDF:1243309.1/41
Out: 79766.452+/-10.370 χ²/NDF:1712055.6/49
All: 80849.483+/-7.629 χ²/NDF: 2979145.7/9

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 12.317+/-1.445 χ^2/NDF: 193.7/18

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: -12.765+/-1.185 χ^2/NDF: 564.2/24

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

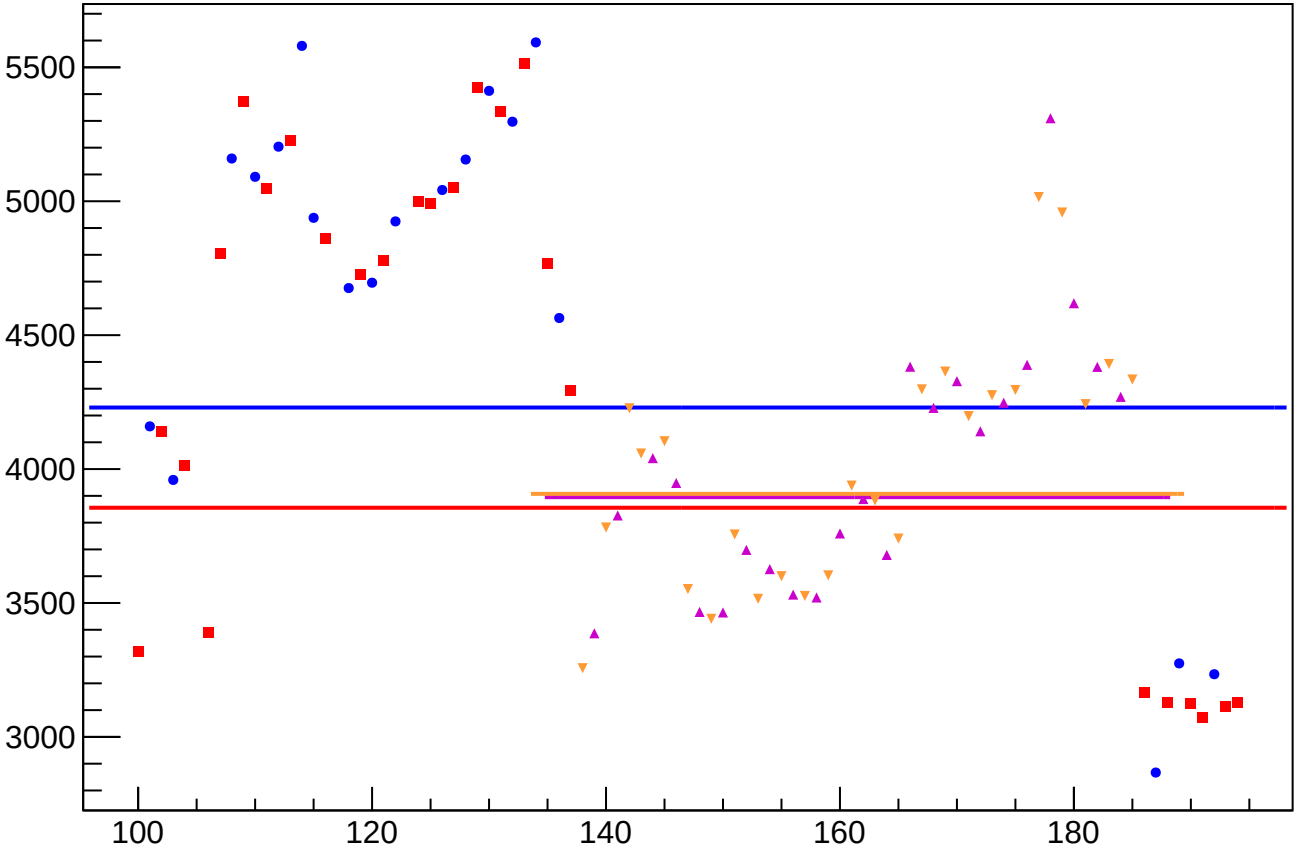
Right: -2.676+/-0.916 χ^2/NDF: 938.1/43

In: 4.905+/-0.774 χ^2/NDF:313.9/41

Out: -7.947+/-0.714 χ^2/NDF:641.1/49

All: -2.040+/-0.525 χ^2/NDF: 1104.1/91

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4229.785+/-1.022 χ^2/NDF: 692597.0/18

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3855.629+/-0.838 χ^2/NDF: 1095297.2/24

Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

Left: 3901.439+/-0.452 χ^2/NDF: 851302.8/47

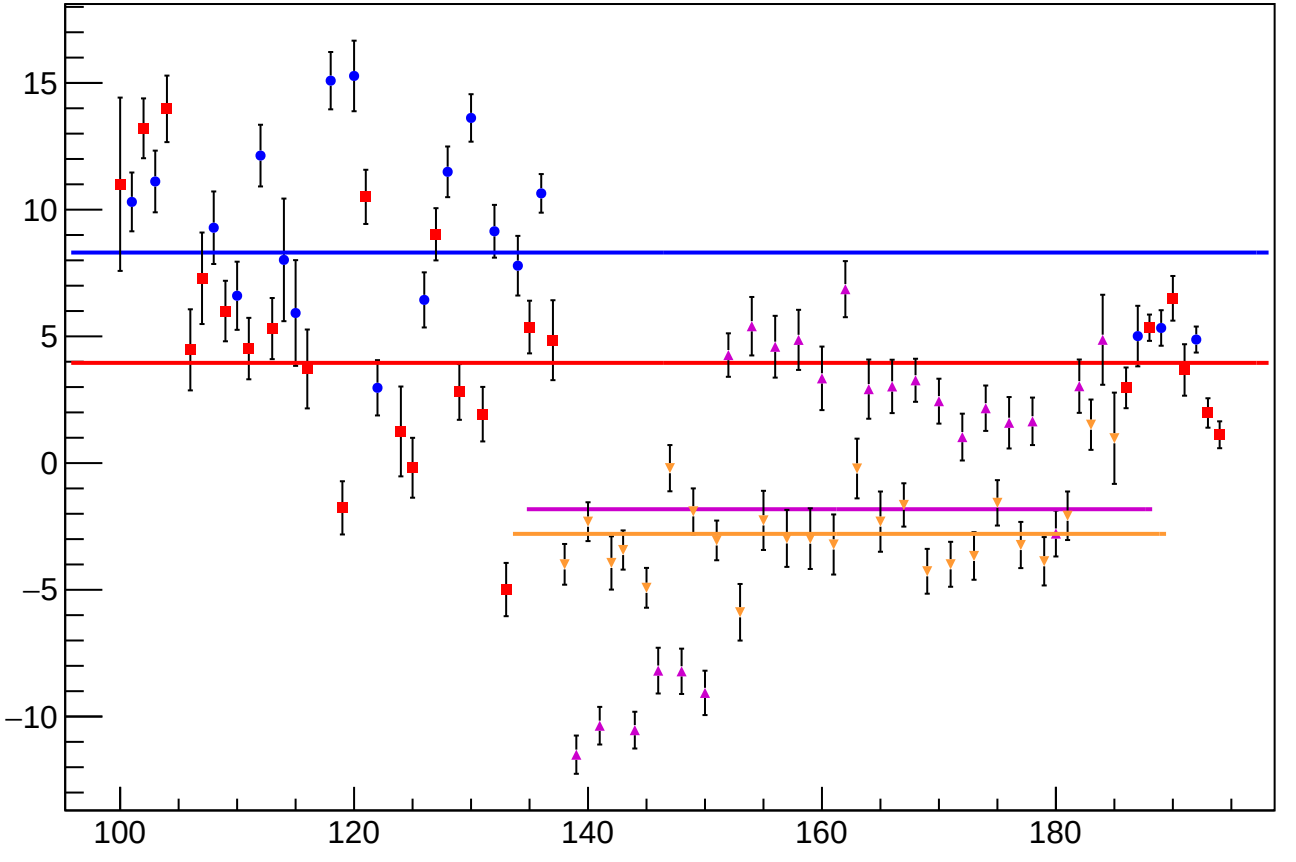
Right: 4006.124+/-0.648 χ^2/NDF: 1868085.2/43

In: 3991.114+/-0.547 χ^2/NDF:1179054.2/41

Out: 3888.668+/-0.505 χ^2/NDF:1538938.7/49

All: 3935.755+/-0.371 χ^2/NDF: 2736937.9/91

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 8.308+/-0.232 χ^2/NDF: 232.3/18

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: 3.955+/-0.195 χ^2/NDF: 374.6/24

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

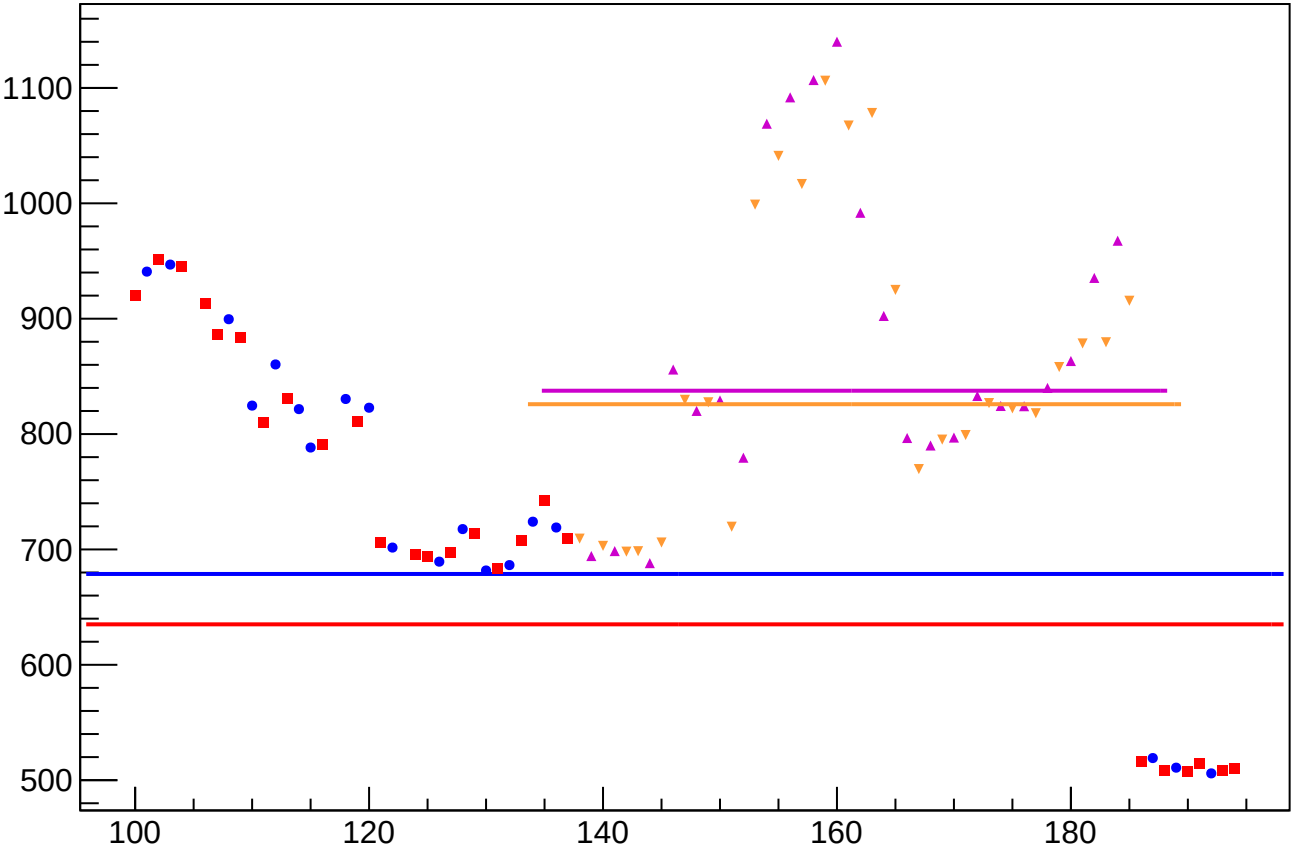
Right: 5.756+/-0.149 χ^2/NDF: 813.0/43

In: 2.449+/-0.151 χ^2/NDF:2359.3/41

Out: 0.494+/-0.136 χ^2/NDF:1056.8/49

All: 1.372+/-0.101 χ^2/NDF: 3508.7/91

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 678.738+/-0.164 χ^2/NDF: 774577.2/18

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 635.076+/-0.138 χ^2/NDF: 1138492.9/24

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

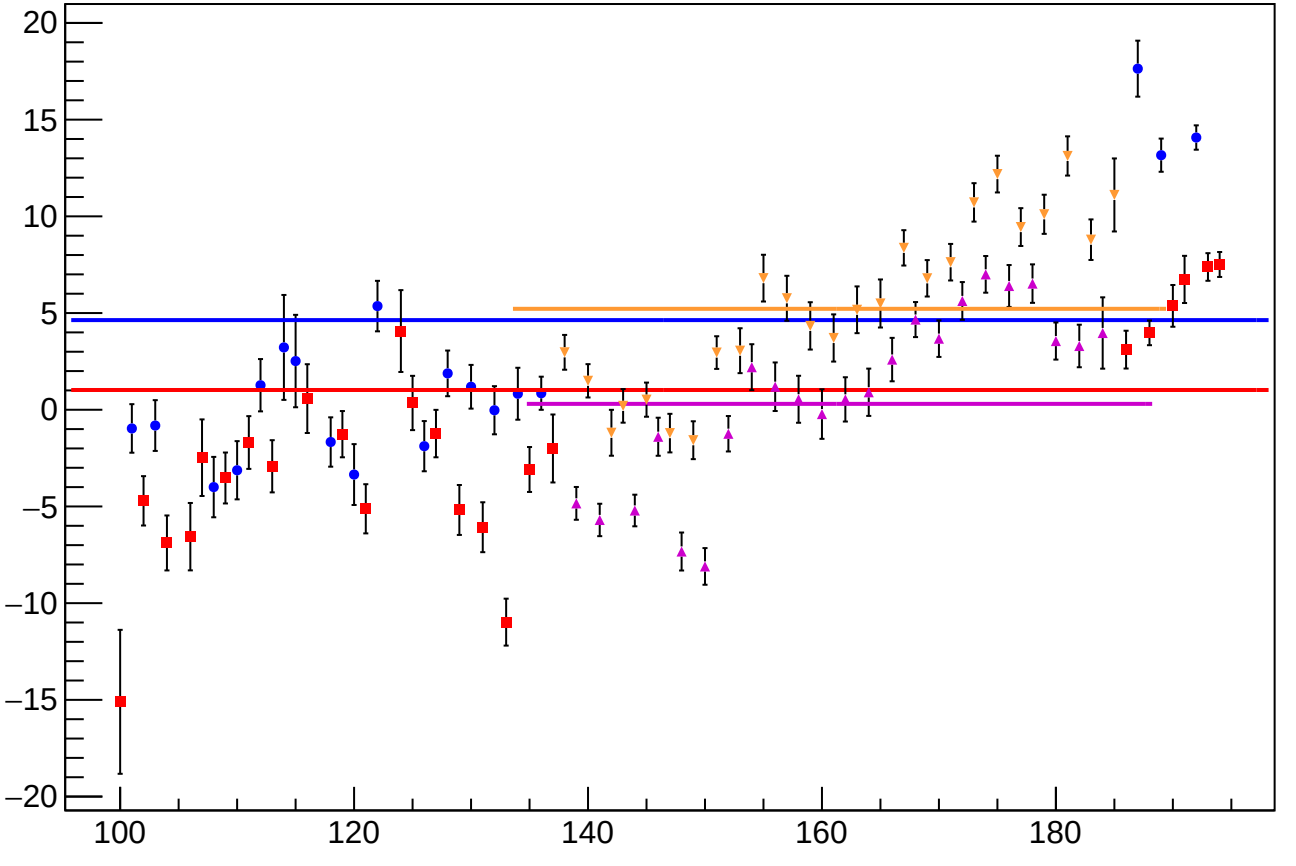
Right: 653.141+/-0.106 χ^2/NDF: 1954543.0/43

In: 770.621+/-0.107 χ^2/NDF:2030286.6/41

Out: 732.938+/-0.096 χ^2/NDF:2885330.8/49

All: 749.866+/-0.071 χ^2/NDF: 4984468.7/91

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 4.635+/-0.272 χ^2/NDF: 637.7/18

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: 1.022+/-0.231 χ^2/NDF: 560.7/24

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

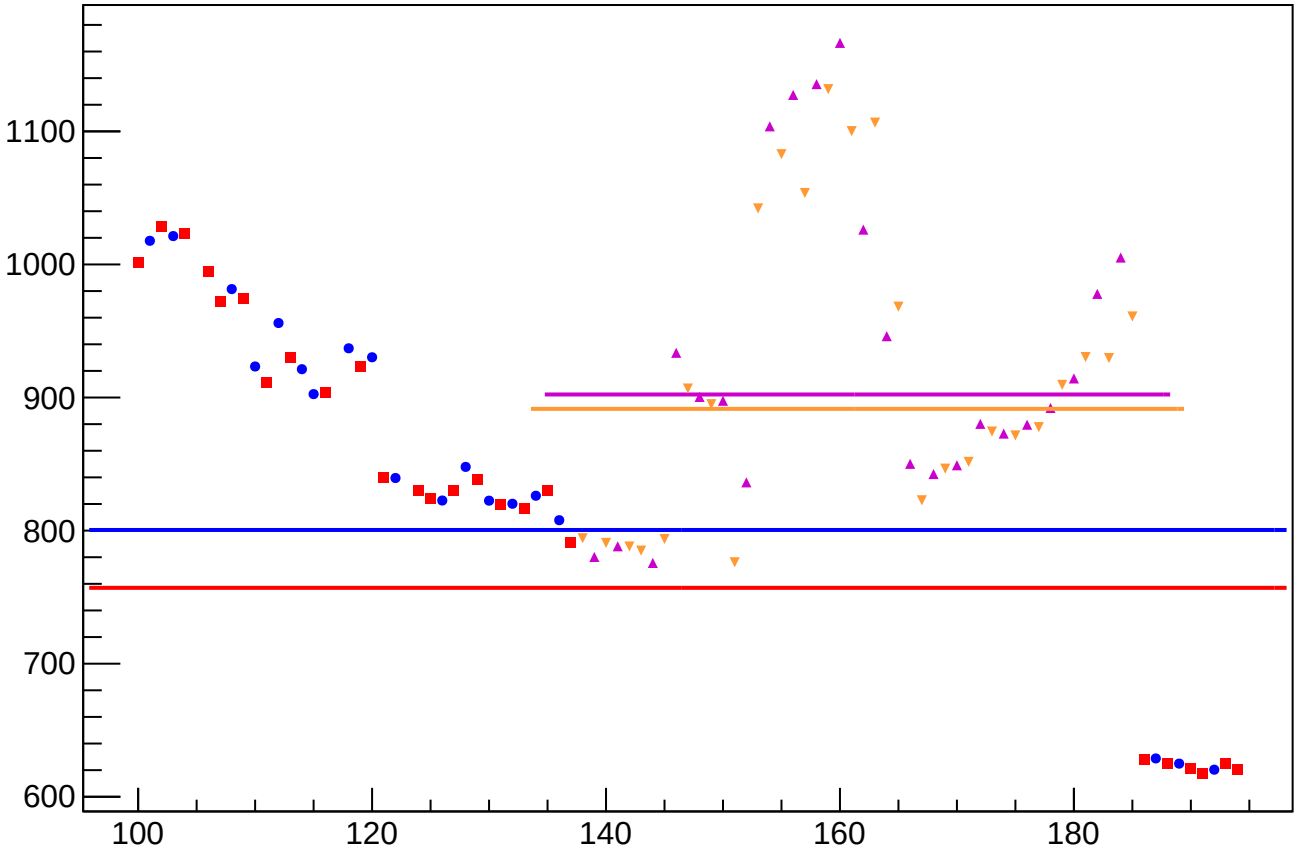
Right: 2.535+/-0.176 χ^2/NDF: 1301.3/43

In: 1.950+/-0.167 χ^2/NDF:1290.5/41

Out: 3.372+/-0.153 χ^2/NDF:1196.2/49

All: 2.725+/-0.113 χ^2/NDF: 2526.1/91

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 800.473+/-0.192 χ^2/NDF: 510557.3/18

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 757.006+/-0.163 χ^2/NDF: 781619.2/24

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

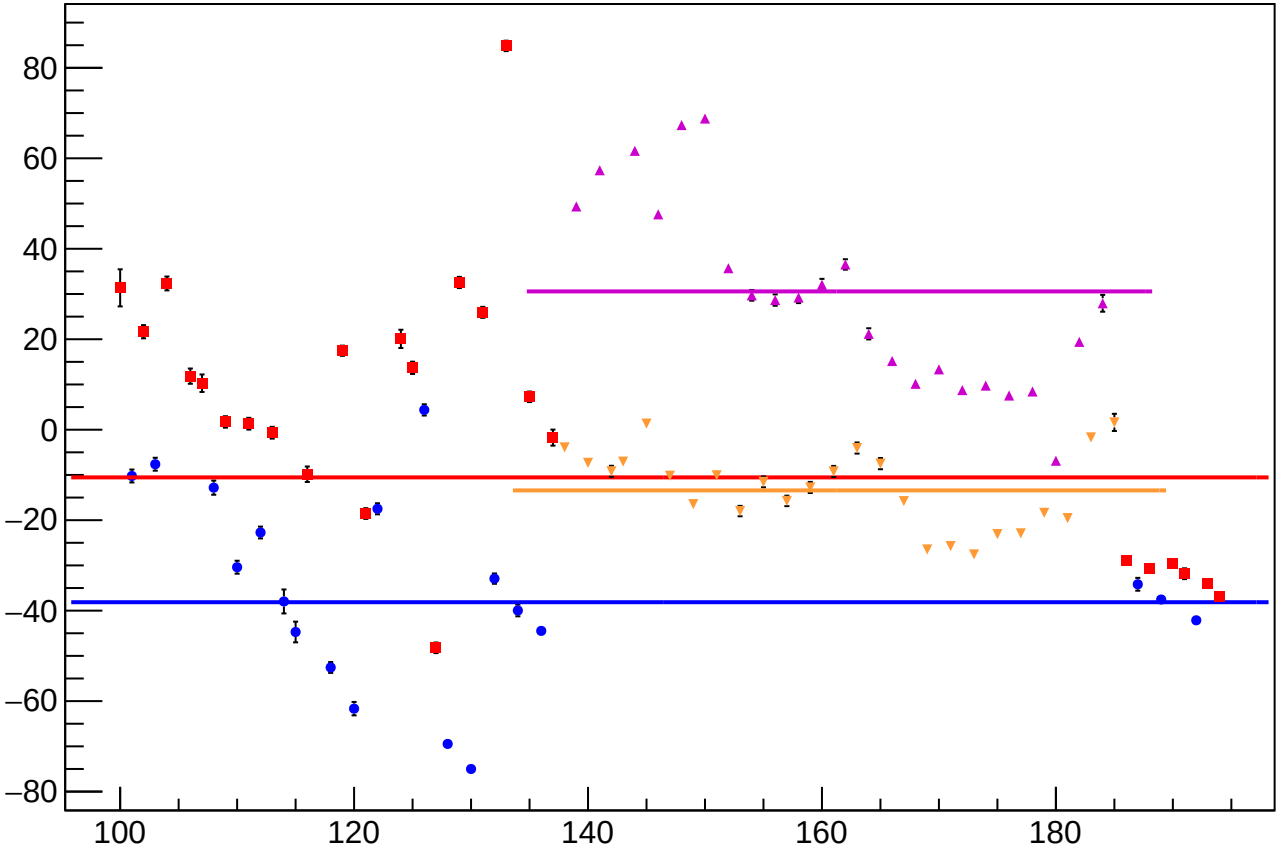
Right: 775.203+/-0.124 χ^2/NDF: 1321933.1/43

In: 863.614+/-0.118 χ^2/NDF:1169641.8/41

Out: 832.320+/-0.108 χ^2/NDF:1680461.8/49

All: 846.551+/-0.080 χ^2/NDF: 2888183.8/91

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -38.135+/-0.265 χ^2/NDF: 5241.7/18

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: -10.541+/-0.224 χ^2/NDF: 18314.0/24

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

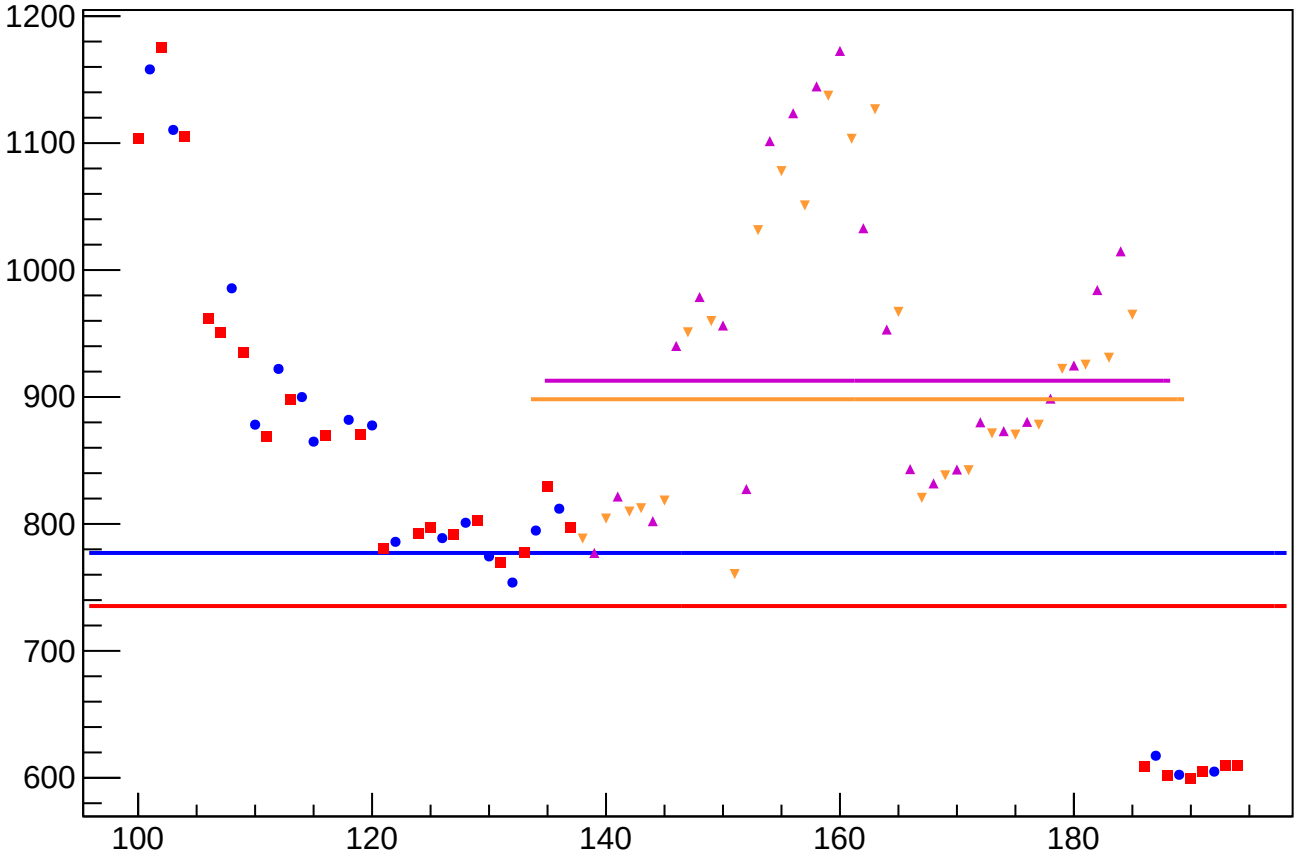
Right: -22.086+/-0.171 χ^2/NDF: 29876.6/43

In: 3.233+/-0.167 χ^2/NDF:56196.1/41

Out: -12.105+/-0.152 χ^2/NDF:20066.7/49

All: -5.165+/-0.112 χ^2/NDF: 80883.8/91

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 777.145+/-0.187 χ^2/NDF: 630708.8/18

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 735.321+/-0.159 χ^2/NDF: 889922.0/24

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

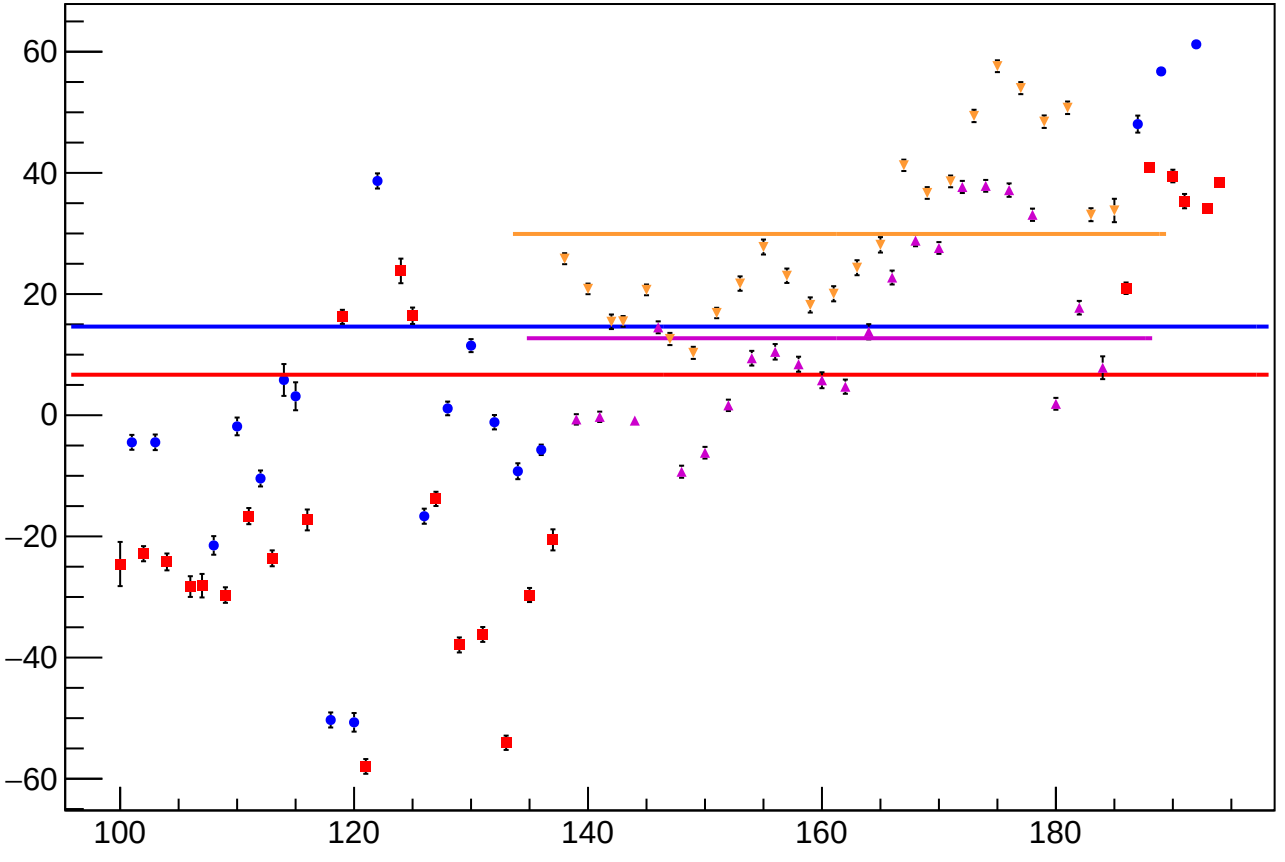
Right: 752.820+/-0.121 χ^2/NDF: 1549673.8/43

In: 858.834+/-0.118 χ^2/NDF:1427100.2/41

Out: 823.778+/-0.107 χ^2/NDF:1980149.7/49

All: 839.638+/-0.079 χ^2/NDF: 3455526.7/91

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: 14.633+/-0.264 χ^2/NDF: 17344.6/18

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: 6.687+/-0.223 χ^2/NDF: 22496.3/24

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

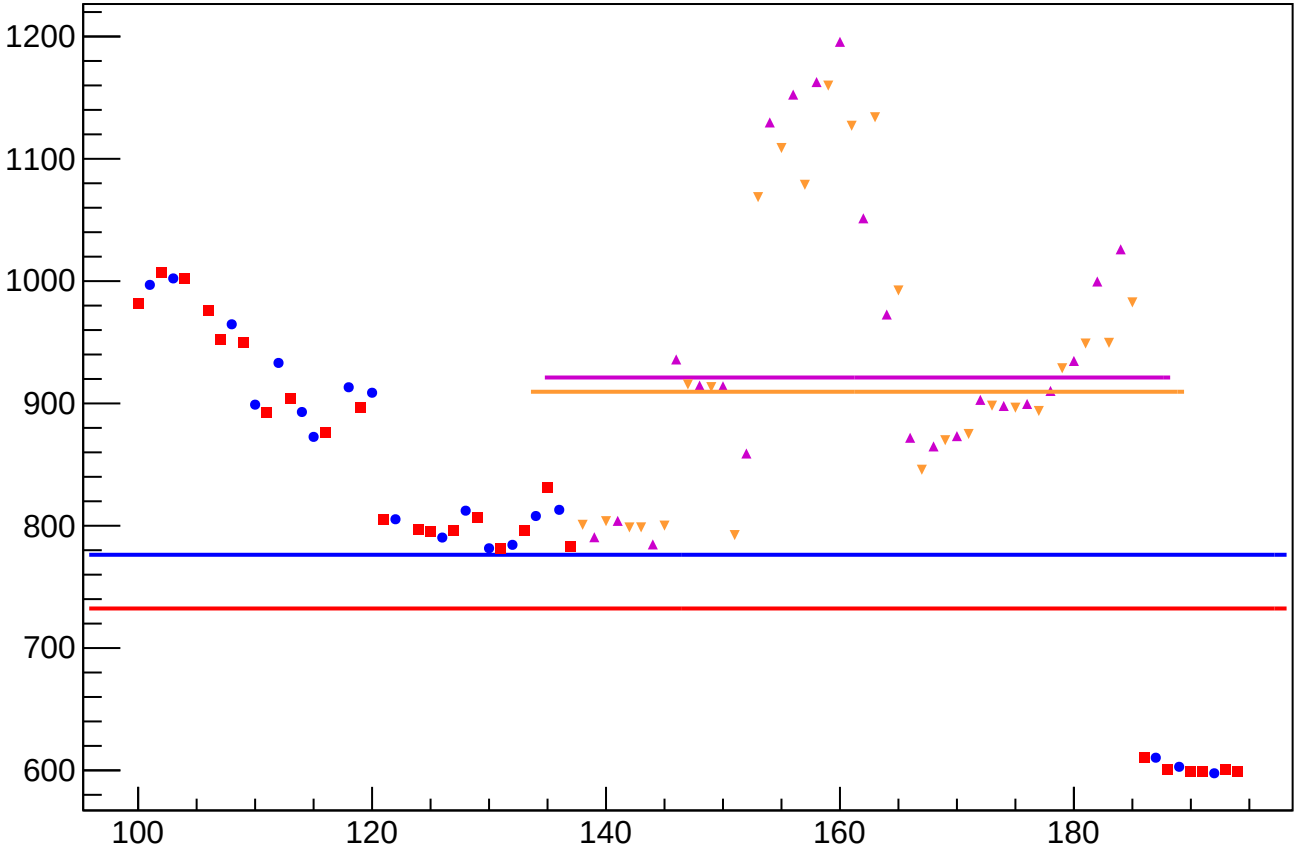
Right: 10.004+/-0.170 χ^2/NDF: 40369.7/43

In: 13.486+/-0.168 χ^2/NDF:22167.5/41

Out: 19.093+/-0.152 χ^2/NDF:32861.3/49

All: 16.555+/-0.113 χ^2/NDF: 55641.5/91

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 776.263+/-0.186 χ^2/NDF: 542533.1/18

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 732.348+/-0.158 χ^2/NDF: 822687.9/24

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

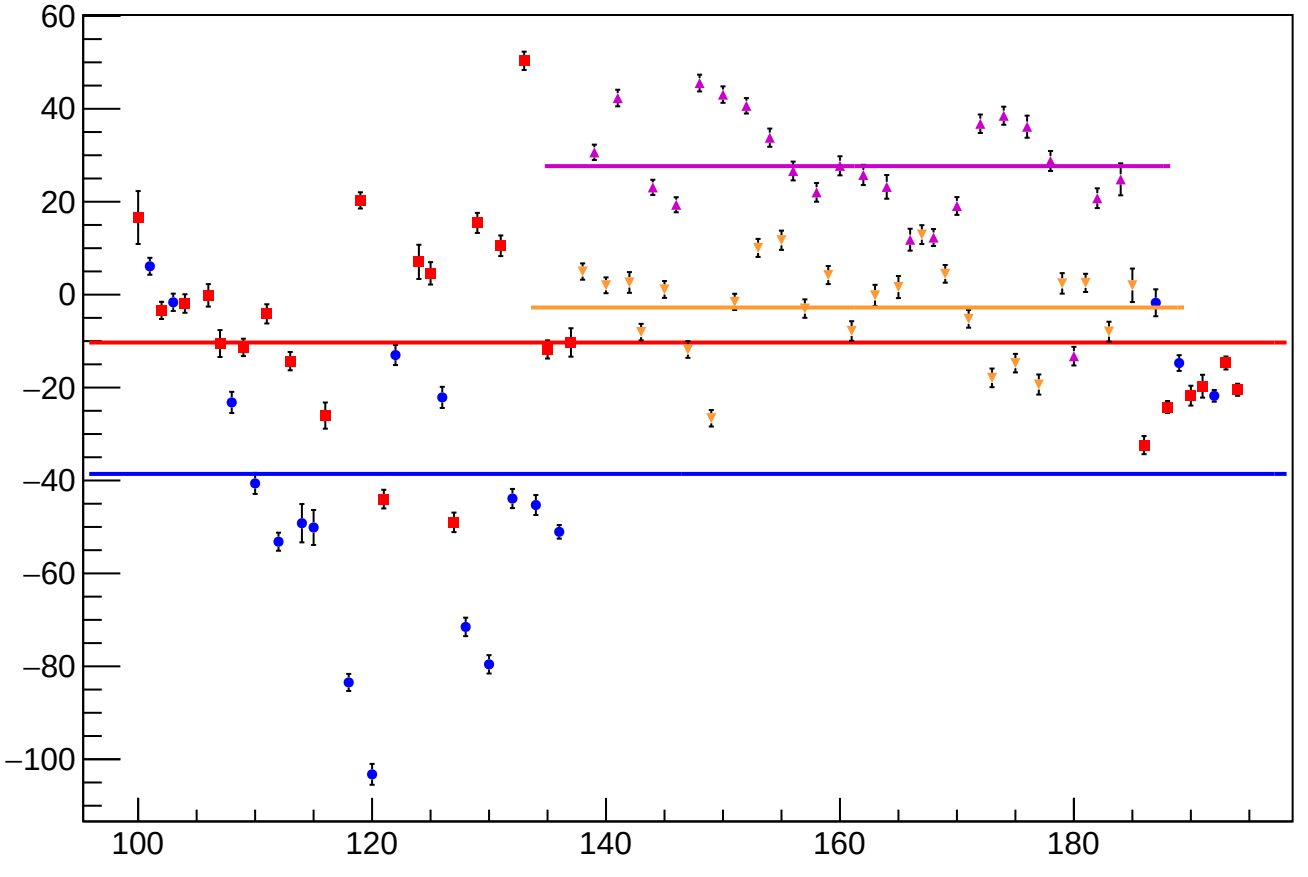
Right: 750.680+/-0.120 χ^2/NDF: 1397531.4/43

In: 862.640+/-0.119 χ^2/NDF:1399917.8/41

Out: 826.963+/-0.108 χ^2/NDF:2037333.2/49

All: 843.108+/-0.080 χ^2/NDF: 3486856.7/91

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -38.582+/-0.456 χ^2/NDF: 4064.9/18

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: -10.304+/-0.401 χ^2/NDF: 2644.9/24

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

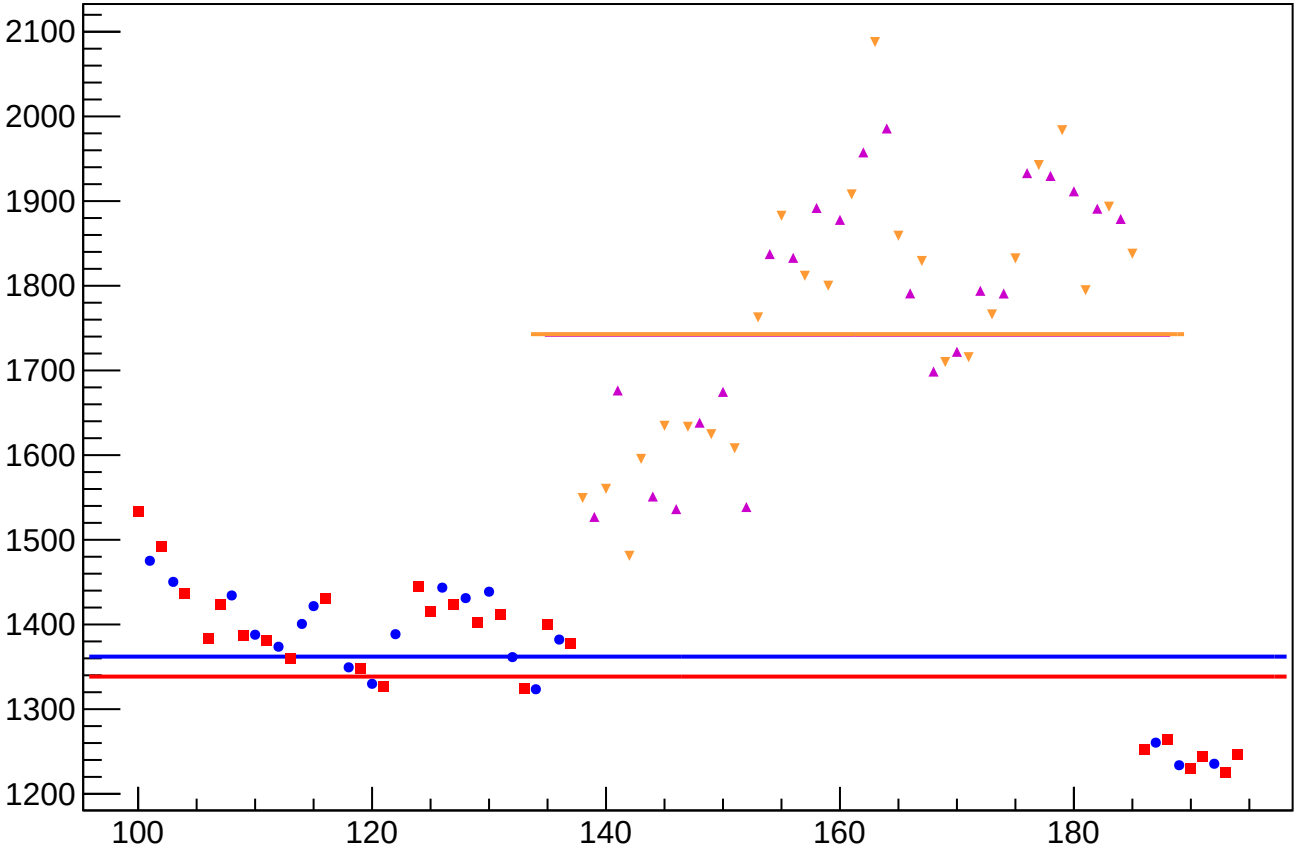
Right: -22.631+/-0.301 χ^2/NDF: 8876.5/43

In: -1.830+/-0.304 χ^2/NDF:16750.0/41

Out: -6.501+/-0.282 χ^2/NDF:3439.2/49

All: -4.341+/-0.207 χ^2/NDF: 20315.8/91

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1362.052+/-0.323 χ^2/NDF: 59347.7/18

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1338.467+/-0.284 χ^2/NDF: 83482.6/24

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

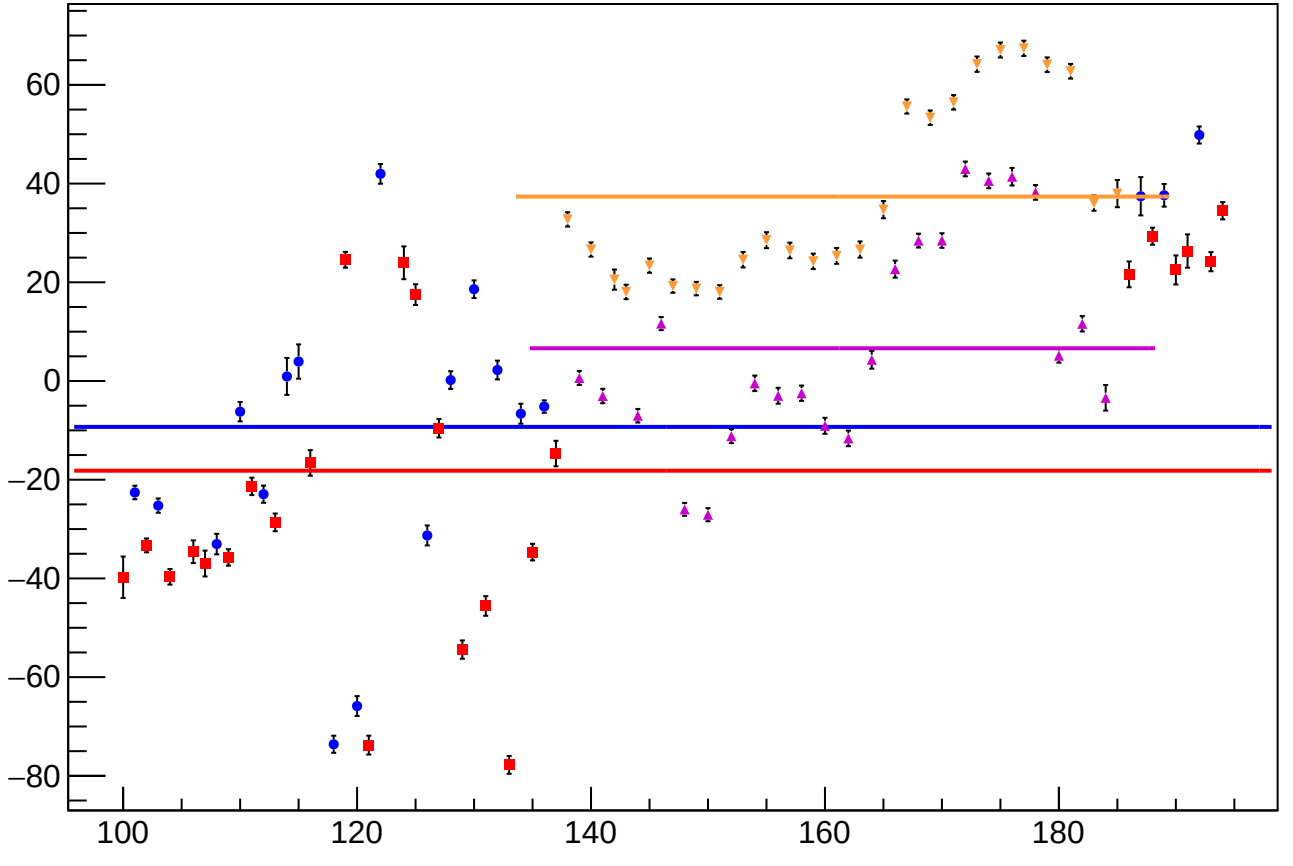
Right: 1348.748+/-0.213 χ^2/NDF: 145844.8/43

In: 1572.929+/-0.215 χ^2/NDF:1091017.2/41

Out: 1542.523+/-0.200 χ^2/NDF:1372392.1/49

All: 1556.581+/-0.146 χ^2/NDF: 2474136.1/91

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -9.297+/-0.430 χ^2/NDF: 5417.6/18

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: -18.172+/-0.397 χ^2/NDF: 7106.4/24

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

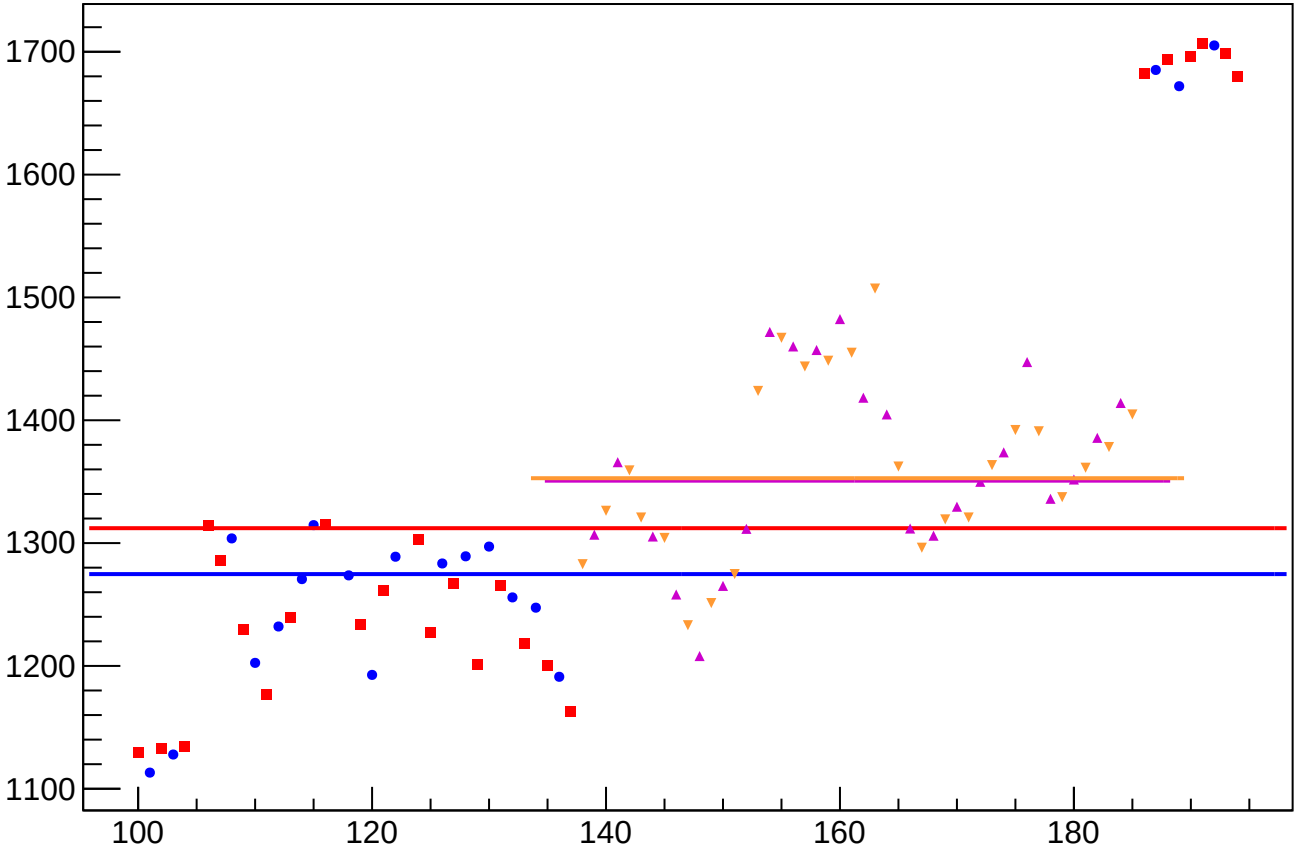
Right: -14.085+/-0.292 χ^2/NDF: 12754.2/43

In: 1.039+/-0.255 χ^2/NDF:10719.5/41

Out: 16.515+/-0.243 χ^2/NDF:22722.4/49

All: 9.129+/-0.176 χ^2/NDF: 35372.9/91

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1274.758+/-0.304 χ^2/NDF: 272008.0/18

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1312.139+/-0.281 χ^2/NDF: 488848.0/24

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

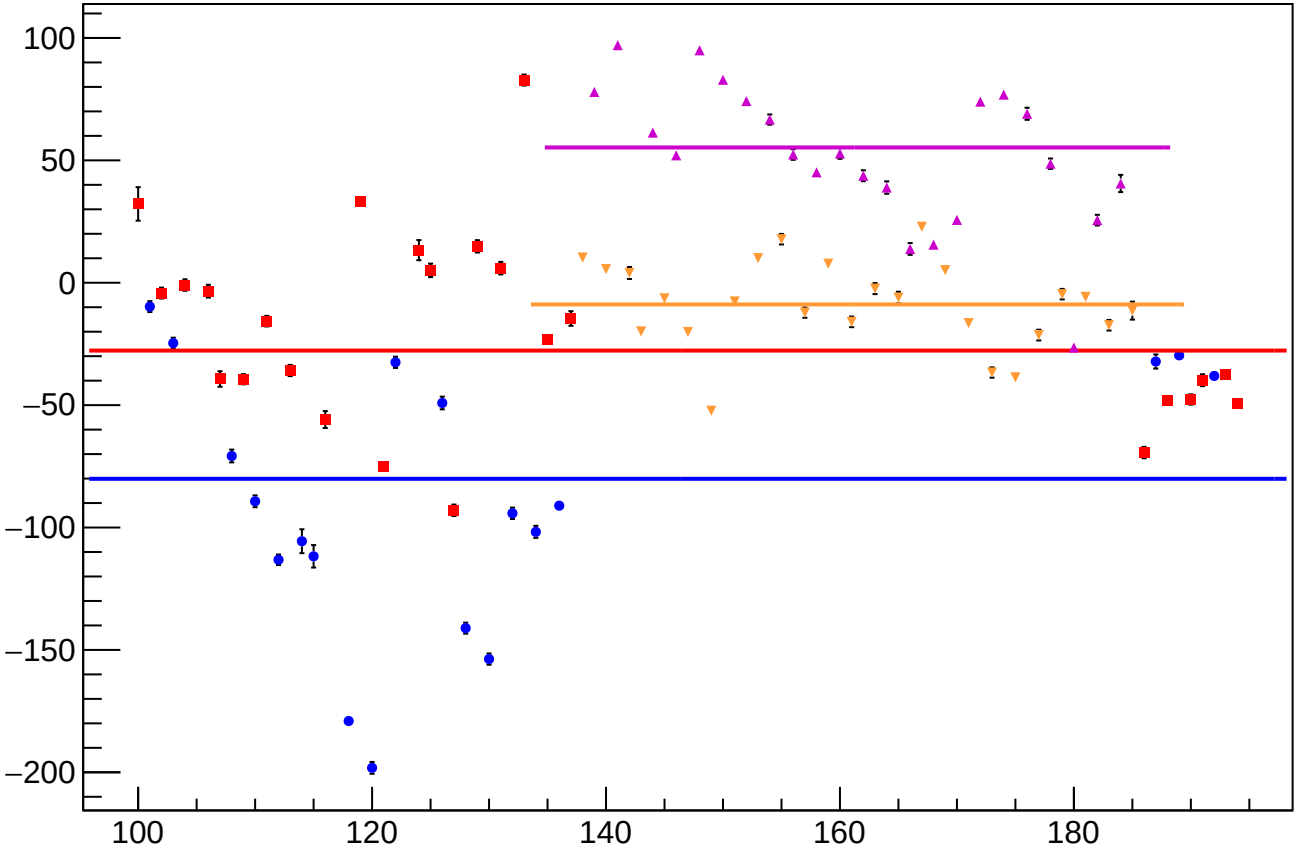
Right: 1294.923+/-0.206 χ^2/NDF: 769020.3/43

In: 1324.123+/-0.180 χ^2/NDF:421298.6/41

Out: 1337.546+/-0.172 χ^2/NDF:606805.3/49

All: 1331.139+/-0.124 χ^2/NDF: 1031009.4/91

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -80.095+/-0.493 χ^2/NDF: 11554.2/18

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: -27.709+/-0.432 χ^2/NDF: 6948.3/24

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

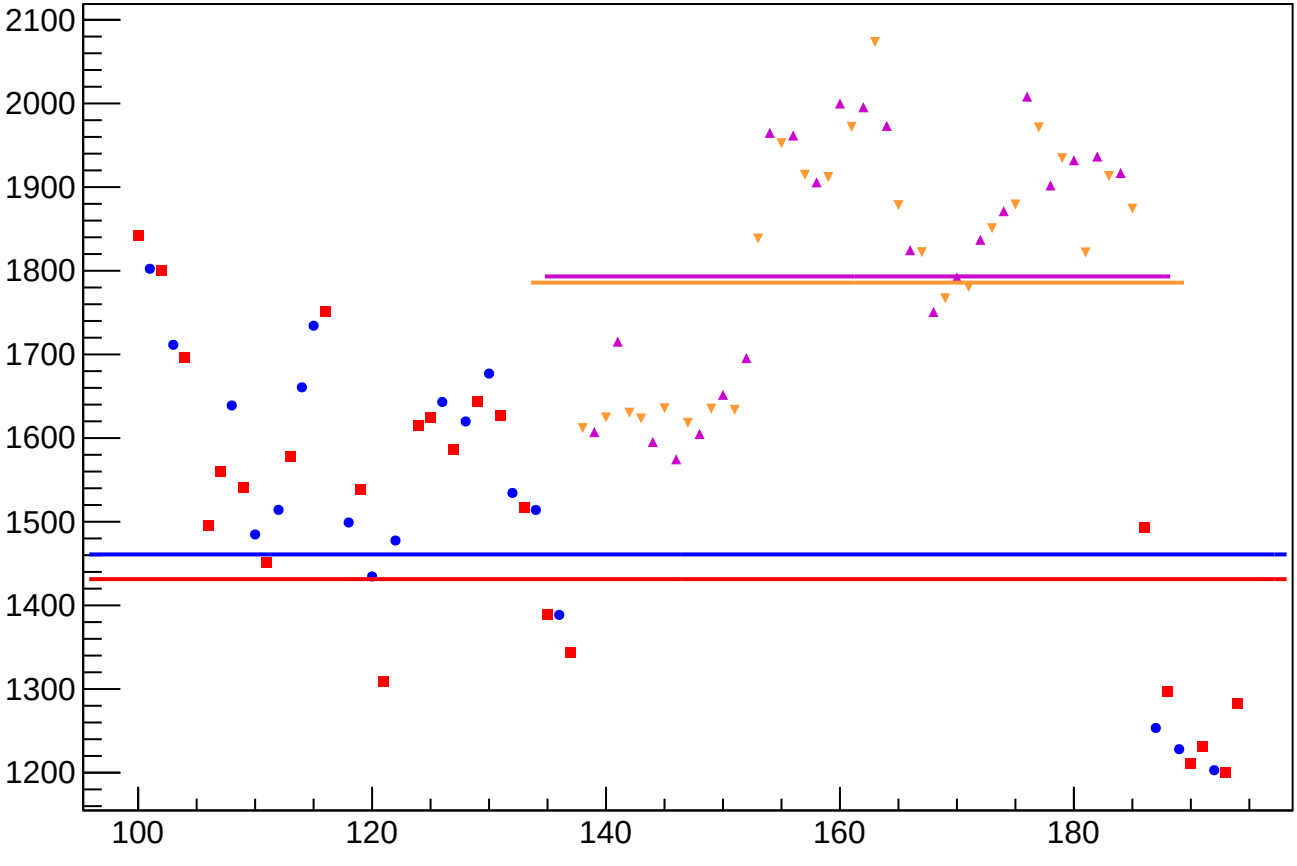
Right: -50.460+/-0.325 χ^2/NDF: 24901.4/43

In: -1.794+/-0.320 χ^2/NDF:59976.2/41

Out: -17.736+/-0.296 χ^2/NDF:9910.8/49

All: -10.376+/-0.217 χ^2/NDF: 71224.7/91

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1460.915+/-0.348 χ^2/NDF: 278352.2/18

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1431.371+/-0.305 χ^2/NDF: 329579.6/24

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

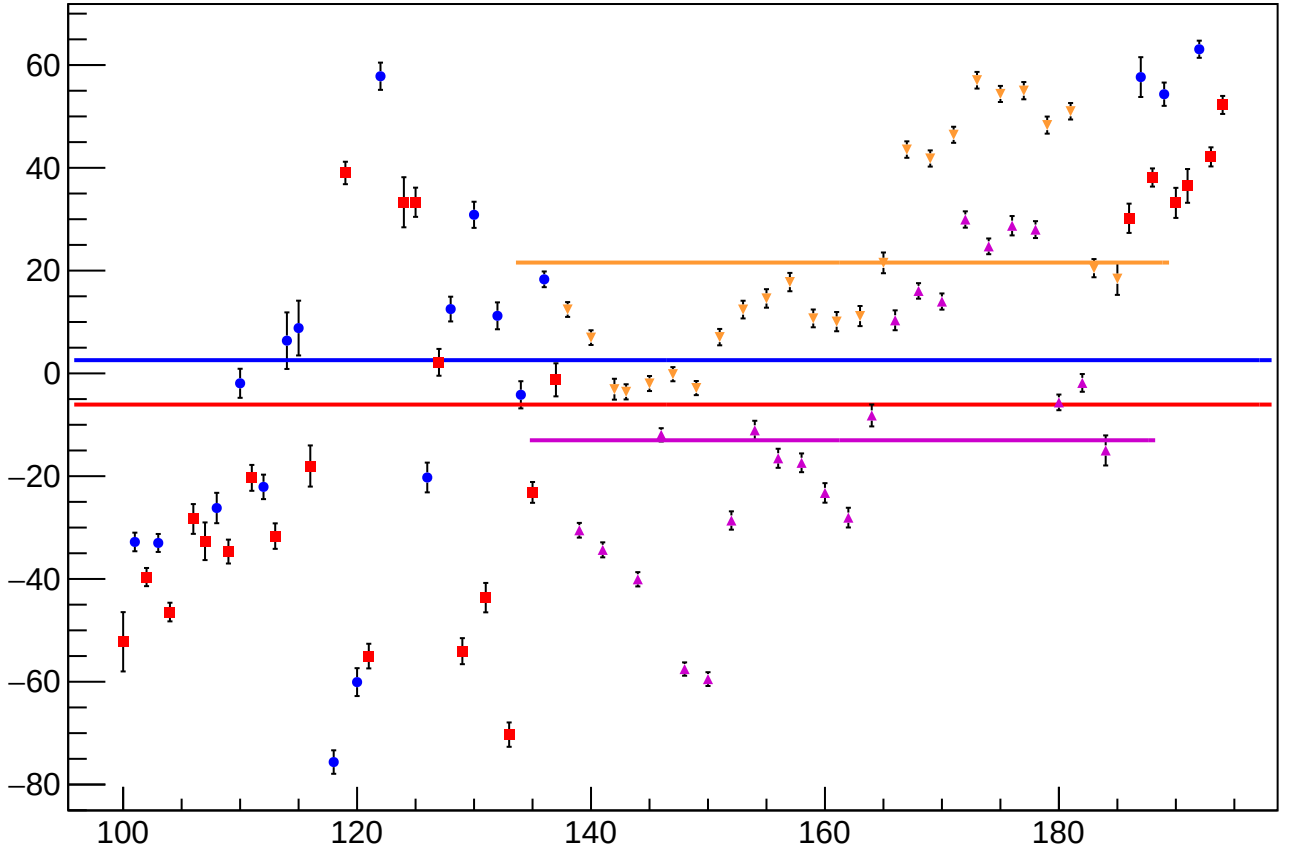
Right: 1444.202+/-0.230 χ^2/NDF: 612002.1/43

In: 1653.156+/-0.226 χ^2/NDF:1057804.6/41

Out: 1618.905+/-0.209 χ^2/NDF:1280611.5/49

All: 1634.719+/-0.154 χ^2/NDF: 2350765.6/91

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: 2.574+/-0.545 χ^2/NDF: 5506.2/18

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: -6.067+/-0.489 χ^2/NDF: 6692.1/24

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

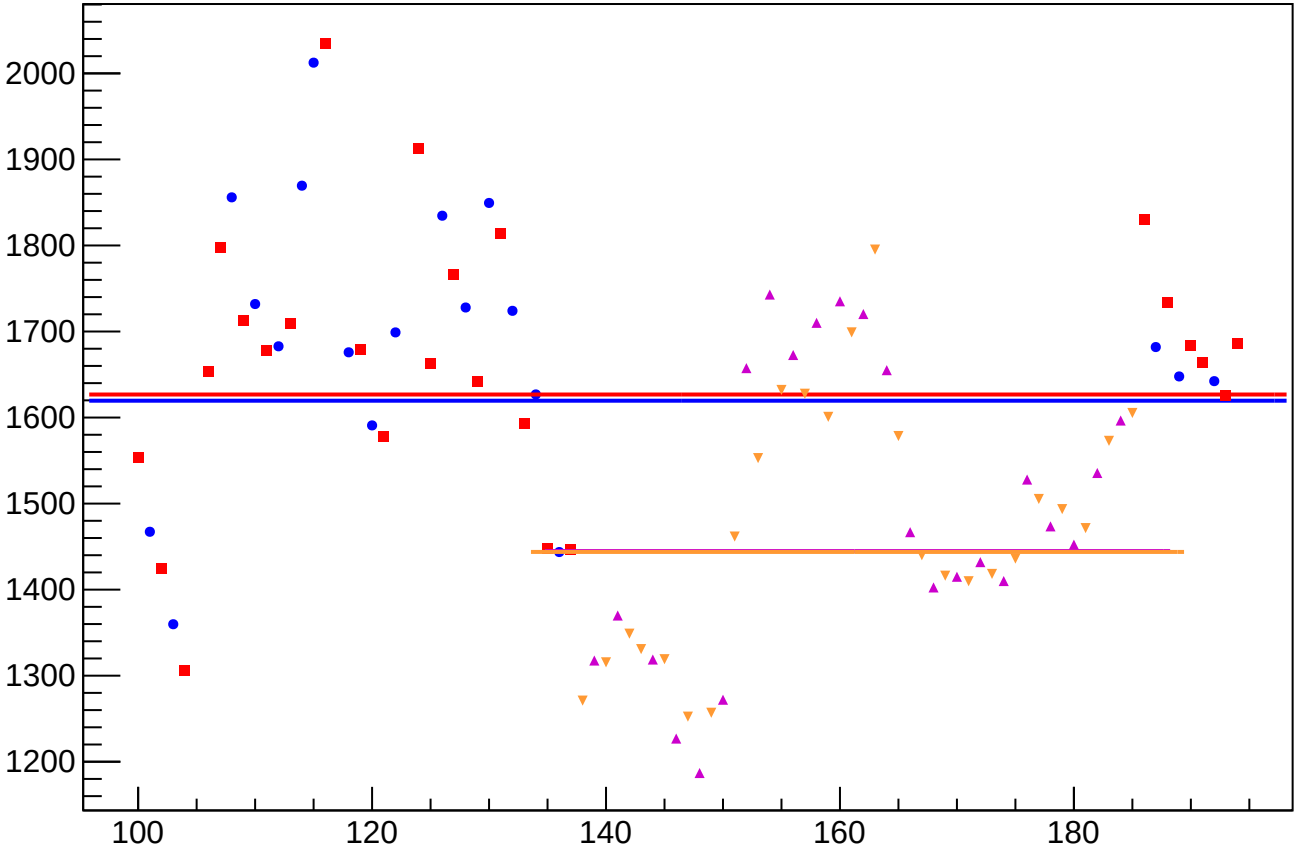
Right: -2.208+/-0.364 χ^2/NDF: 12337.6/43

In: -8.643+/-0.288 χ^2/NDF:12722.7/41

Out: 12.932+/-0.274 χ^2/NDF:13045.1/49

All: 2.716+/-0.198 χ^2/NDF: 28713.1/91

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1619.579+/-0.385 χ^2/NDF: 156141.9/18

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1626.780+/-0.346 χ^2/NDF: 186882.9/24

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

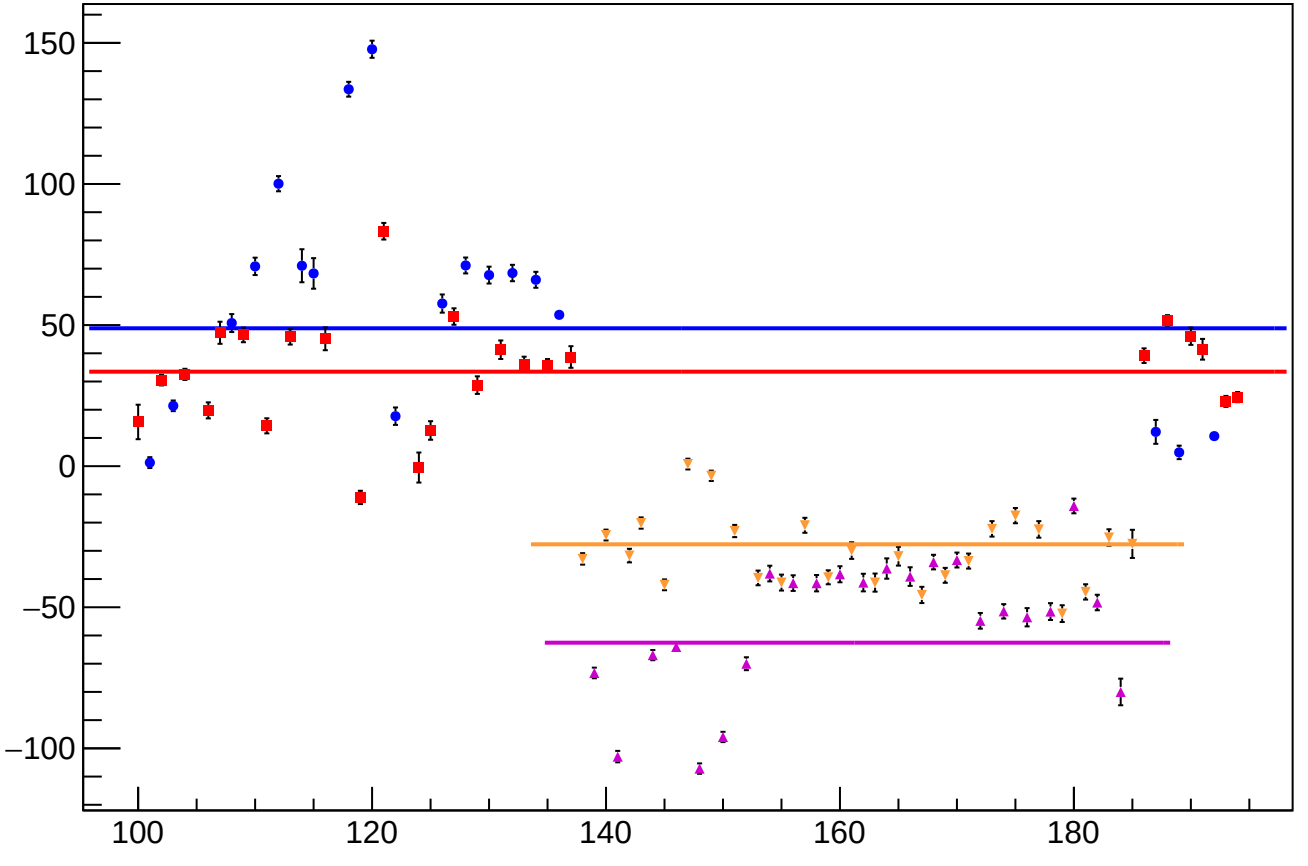
Right: 1623.564+/-0.257 χ^2/NDF: 343218.2/43

In: 1493.820+/-0.204 χ^2/NDF:789507.8/41

Out: 1500.997+/-0.193 χ^2/NDF:731471.4/49

All: 1497.599+/-0.140 χ^2/NDF: 1521631.0/91

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 48.866+/-0.602 χ^2/NDF: 4537.4/18

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: 33.489+/-0.530 χ^2/NDF: 1107.5/24

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

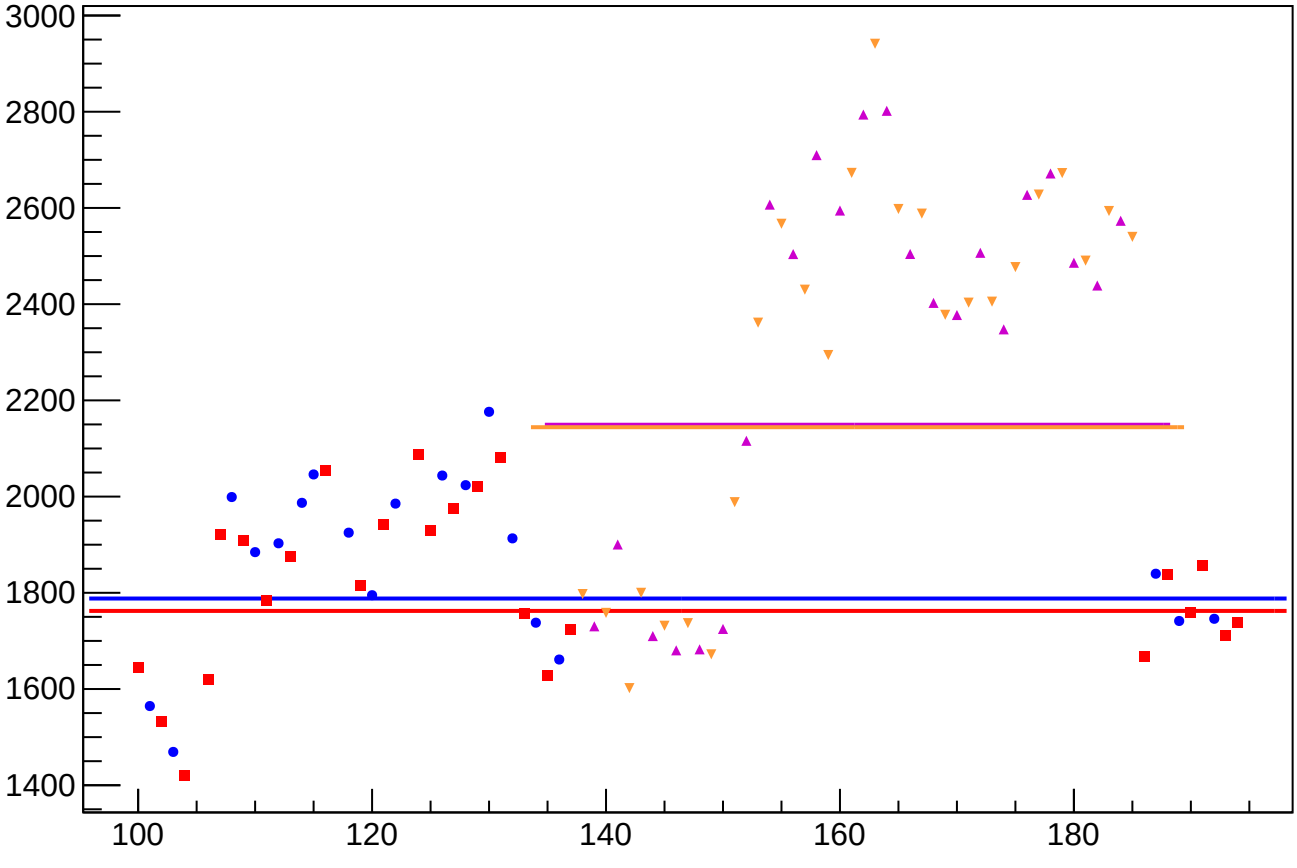
Right: 40.204+/-0.398 χ^2/NDF: 6012.5/43

In: -15.810+/-0.390 χ^2/NDF:26884.7/41

Out: 0.874+/-0.362 χ^2/NDF:8976.9/49

All: -6.854+/-0.265 χ^2/NDF: 36844.7/91

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1788.112+/-0.426 χ^2/NDF: 195672.6/18

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1762.344+/-0.375 χ^2/NDF: 198901.2/24

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

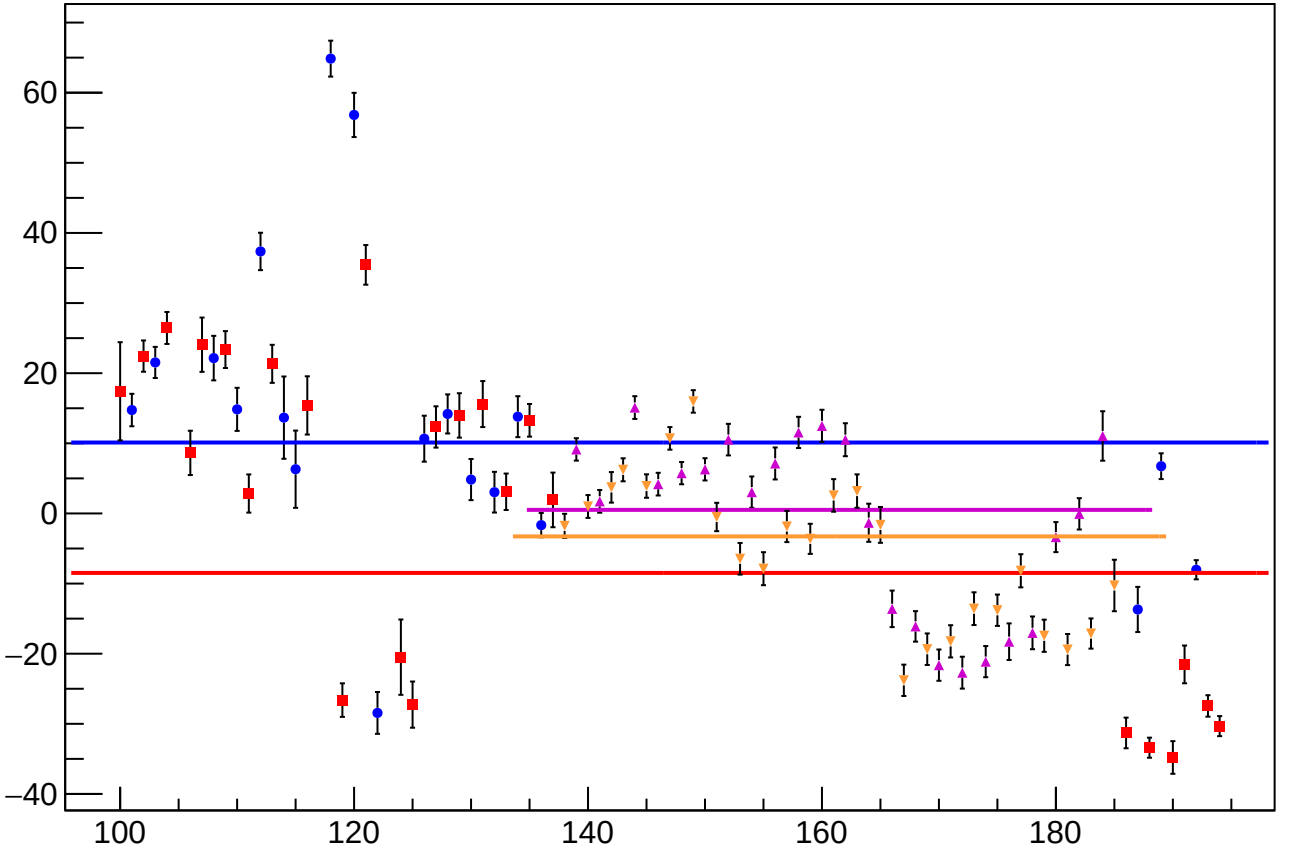
Right: 1773.597+/-0.281 χ^2/NDF: 396638.4/43

In: 1997.797+/-0.276 χ^2/NDF:1879506.8/41

Out: 1965.913+/-0.256 χ^2/NDF:2032238.6/49

All: 1980.681+/-0.188 χ^2/NDF: 3918925.0/91

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 10.114+/-0.577 χ^2/NDF: 1289.1/18

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: -8.482+/-0.493 χ^2/NDF: 2413.5/24

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

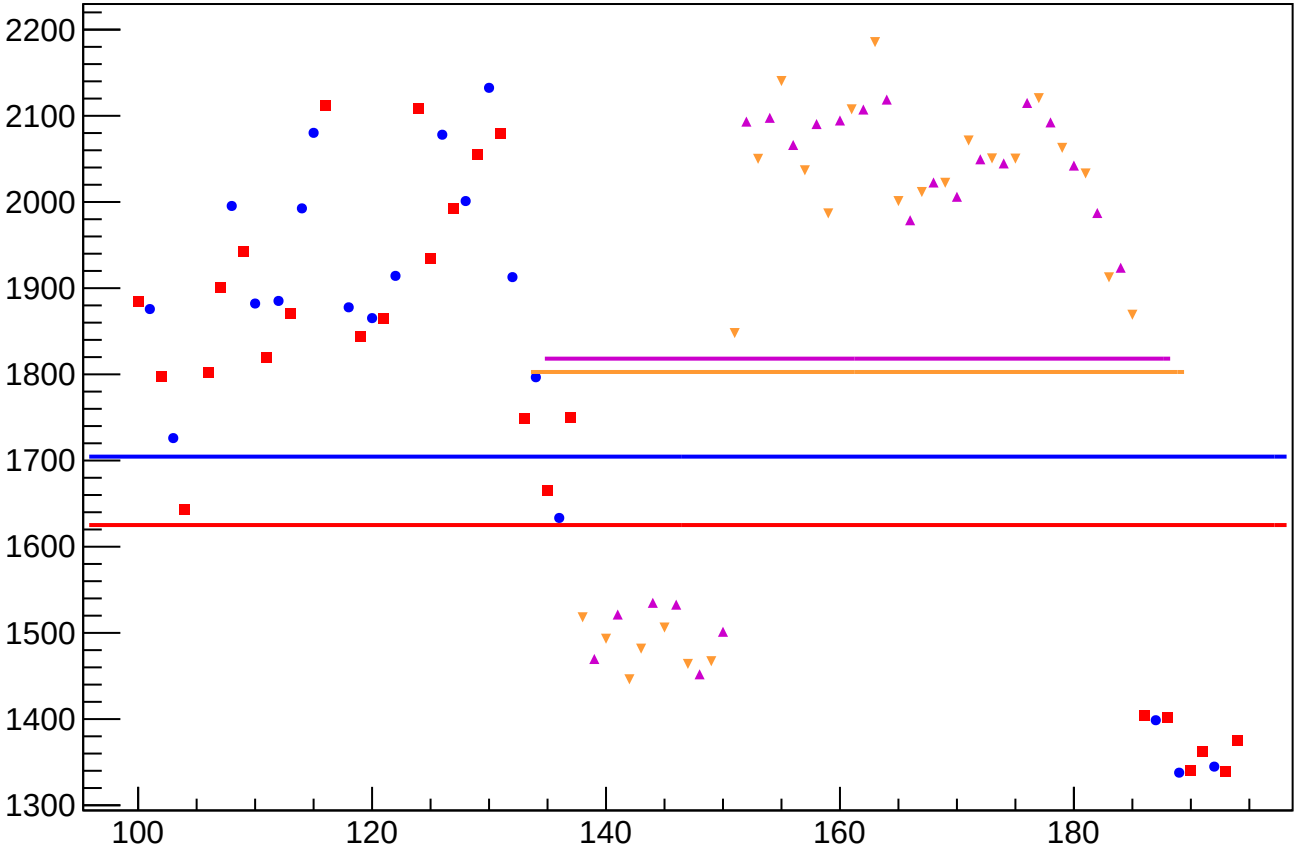
Right: -0.651+/-0.375 χ^2/NDF: 4303.0/43

In: 3.934+/-0.345 χ^2/NDF:2212.9/41

Out: -5.435+/-0.317 χ^2/NDF:3150.0/49

All: -1.140+/-0.233 χ^2/NDF: 5762.9/91

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1704.537+/-0.408 χ^2/NDF: 425421.9/18

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1625.142+/-0.348 χ^2/NDF: 541325.2/24

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

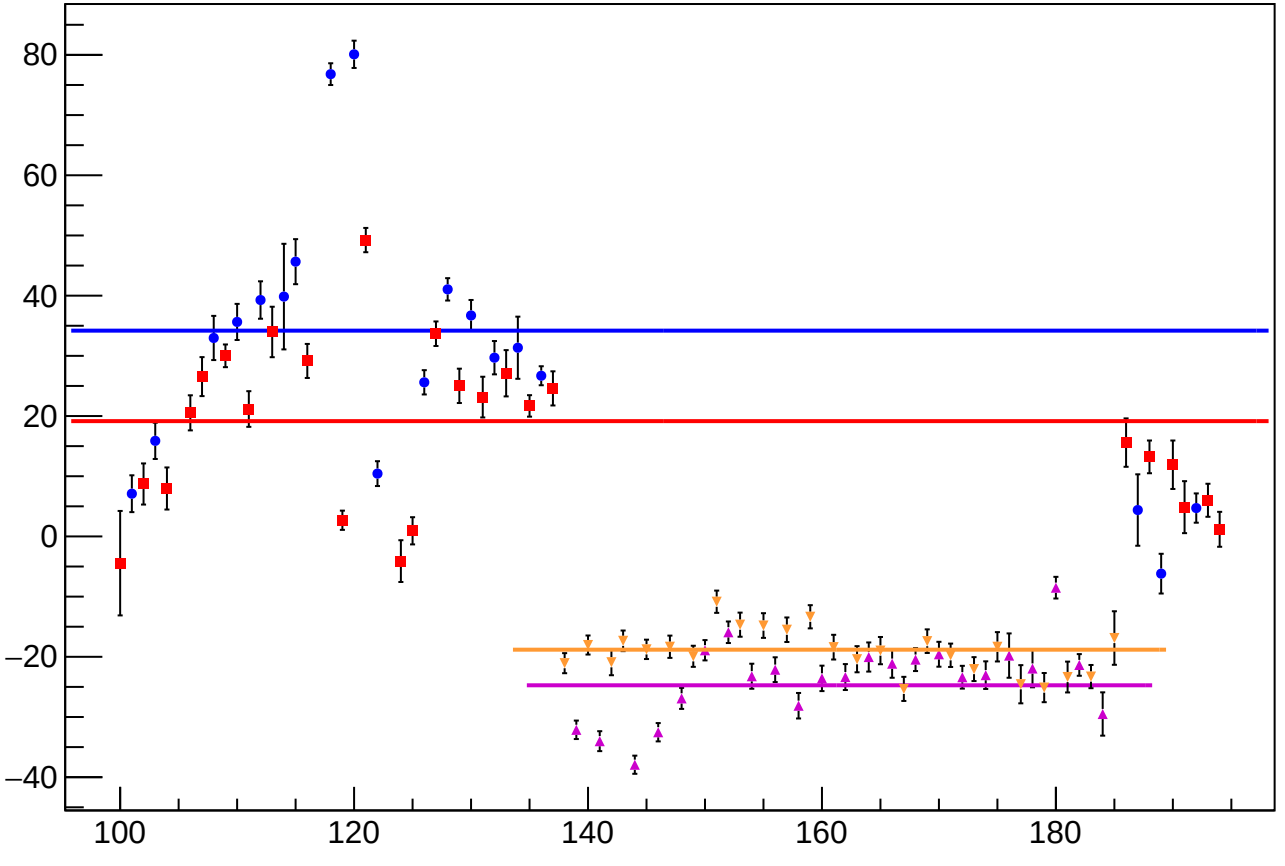
Right: 1658.576+/-0.265 χ^2/NDF: 988632.9/43

In: 1777.699+/-0.244 χ^2/NDF:1315662.6/41

Out: 1729.081+/-0.224 χ^2/NDF:1590902.2/49

All: 1751.368+/-0.165 χ^2/NDF: 2928103.1/91

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 34.188+/-0.590 χ^2/NDF: 1606.6/18

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: 19.155+/-0.542 χ^2/NDF: 676.9/24

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

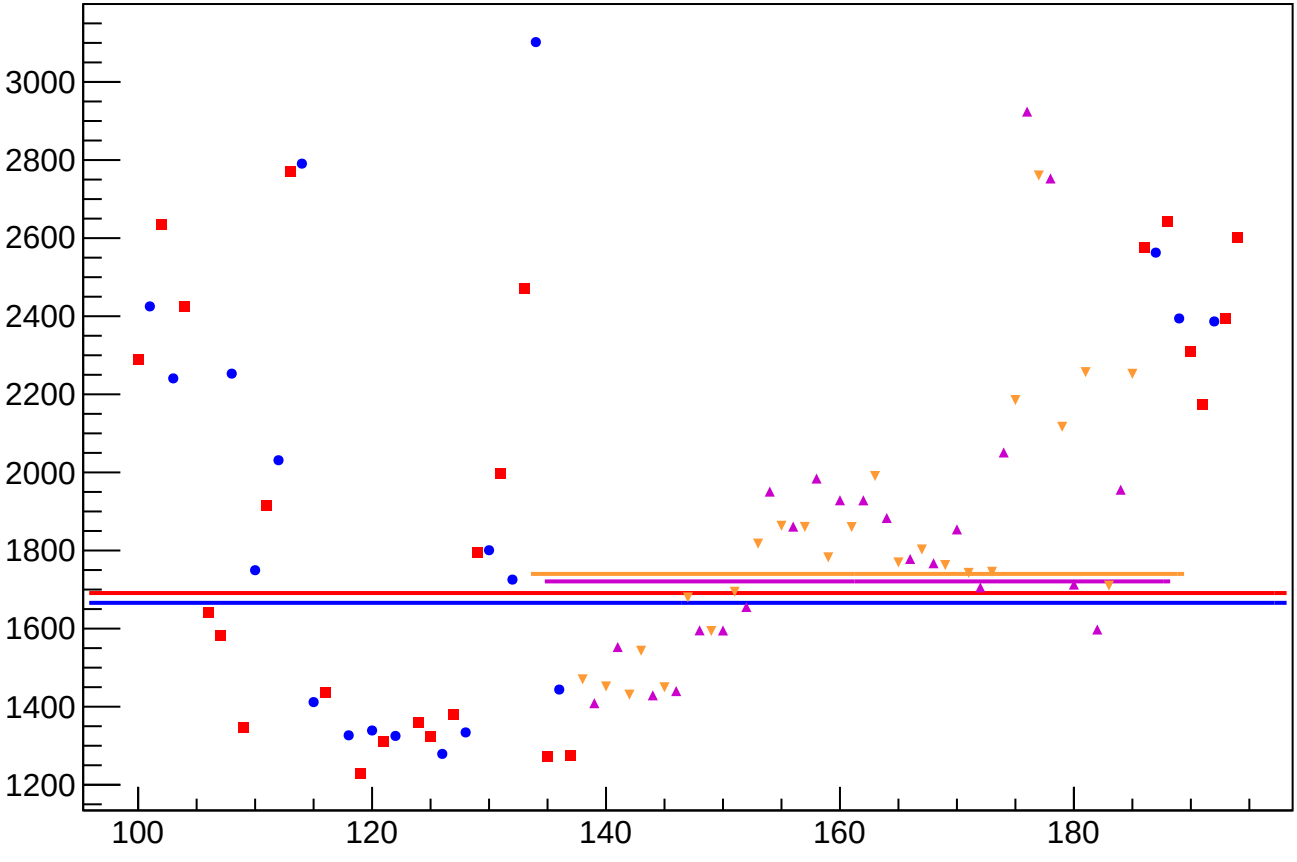
Right: 26.028+/-0.399 χ^2/NDF: 2635.6/43

In: -5.630+/-0.336 χ^2/NDF:8649.9/41

Out: -5.333+/-0.323 χ^2/NDF:3920.9/49

All: -5.475+/-0.233 χ^2/NDF: 12571.2/91

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1665.981+/-0.417 χ^2/NDF: 1141794.9/18

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1691.094+/-0.383 χ^2/NDF: 1835456.3/24

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

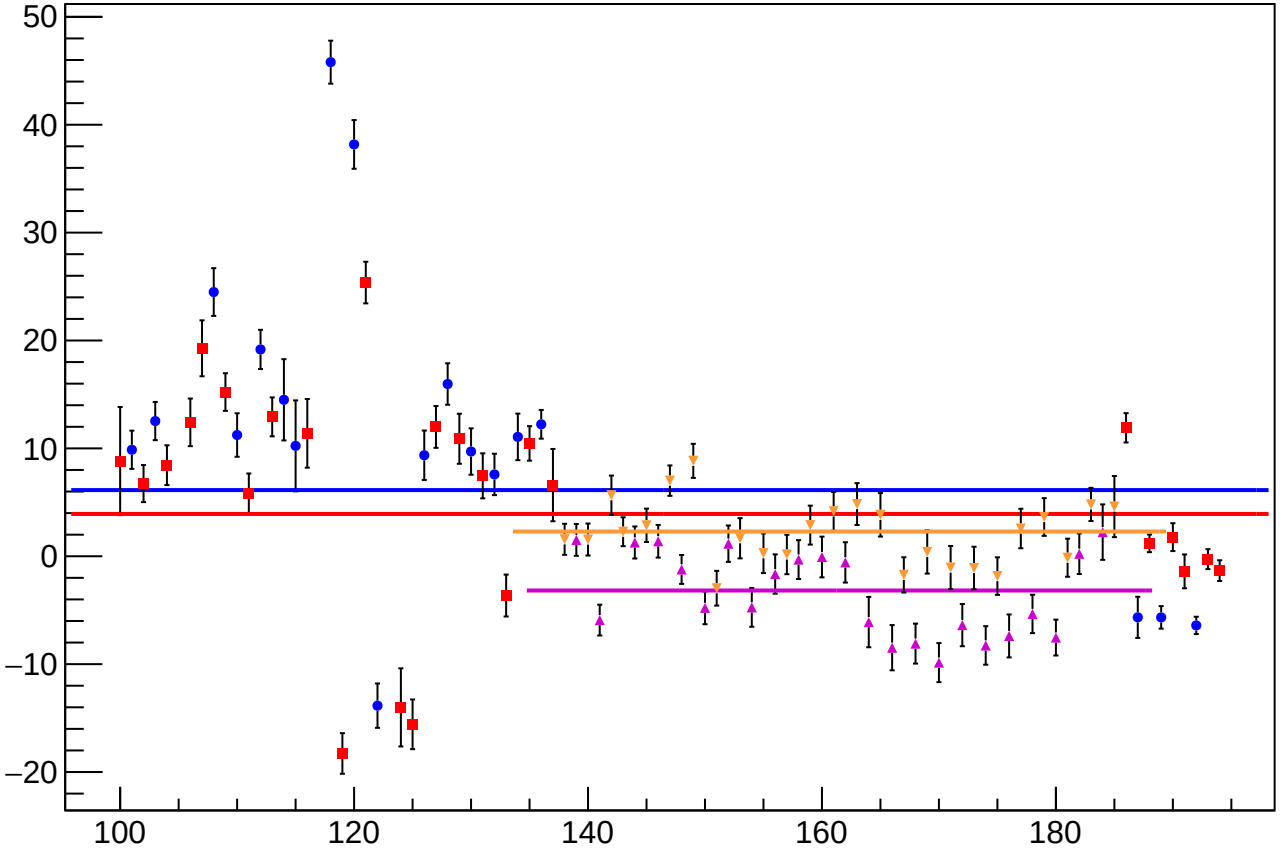
Right: 1679.612+/-0.282 χ^2/NDF: 2979216.5/43

In: 1703.072+/-0.238 χ^2/NDF:2037473.4/41

Out: 1722.692+/-0.228 χ^2/NDF:2599387.1/49

All: 1713.277+/-0.165 χ^2/NDF: 4640406.7/91

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 6.133+/-0.387 χ^2/NDF: 1309.9/18

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: 3.922+/-0.323 χ^2/NDF: 663.8/24

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

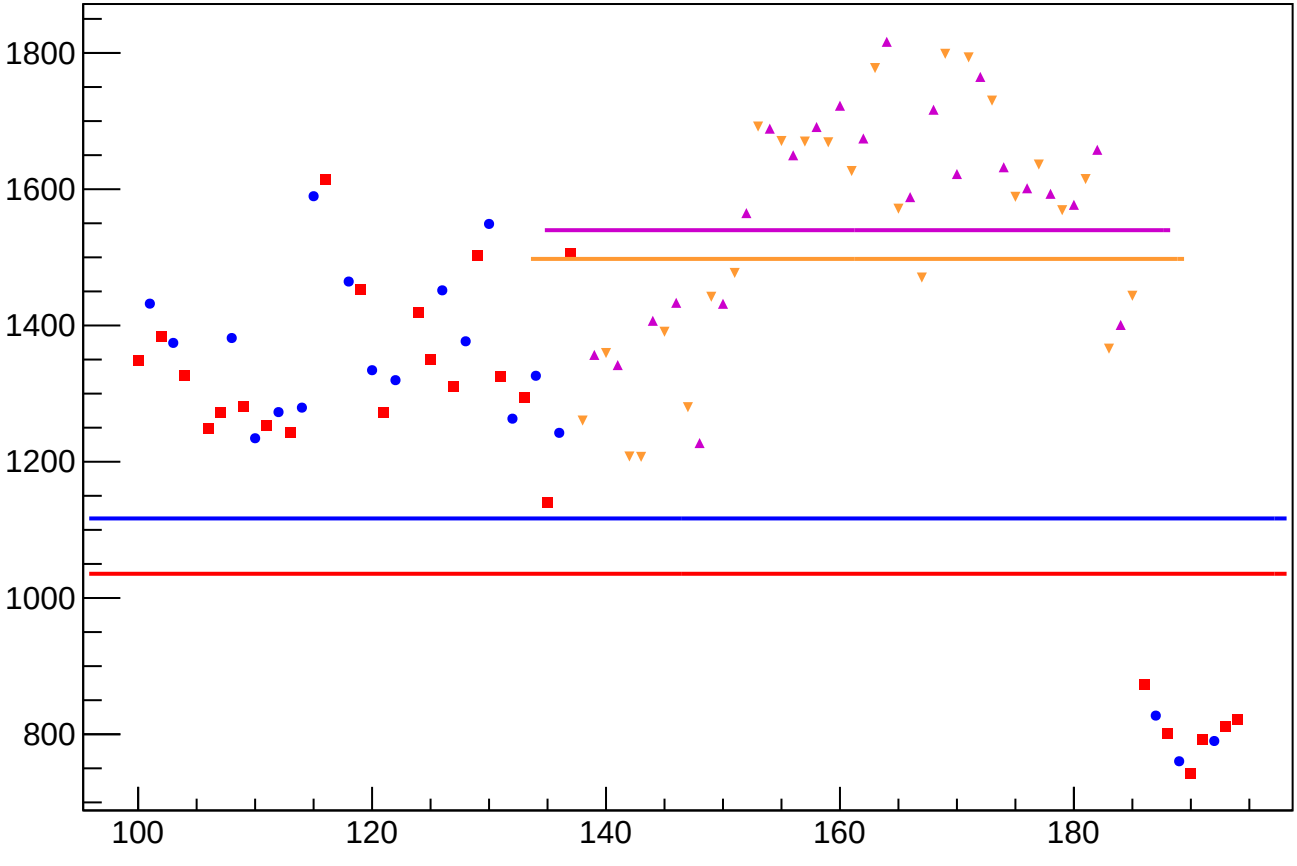
Right: 4.830+/-0.248 χ^2/NDF: 1992.9/43

In: 1.173+/-0.265 χ^2/NDF:1728.2/41

Out: 3.157+/-0.235 χ^2/NDF:749.2/49

All: 2.280+/-0.176 χ^2/NDF: 2508.7/91

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1116.771+/-0.274 χ^2/NDF: 1101764.0/18

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1035.558+/-0.229 χ^2/NDF: 1325344.5/24

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

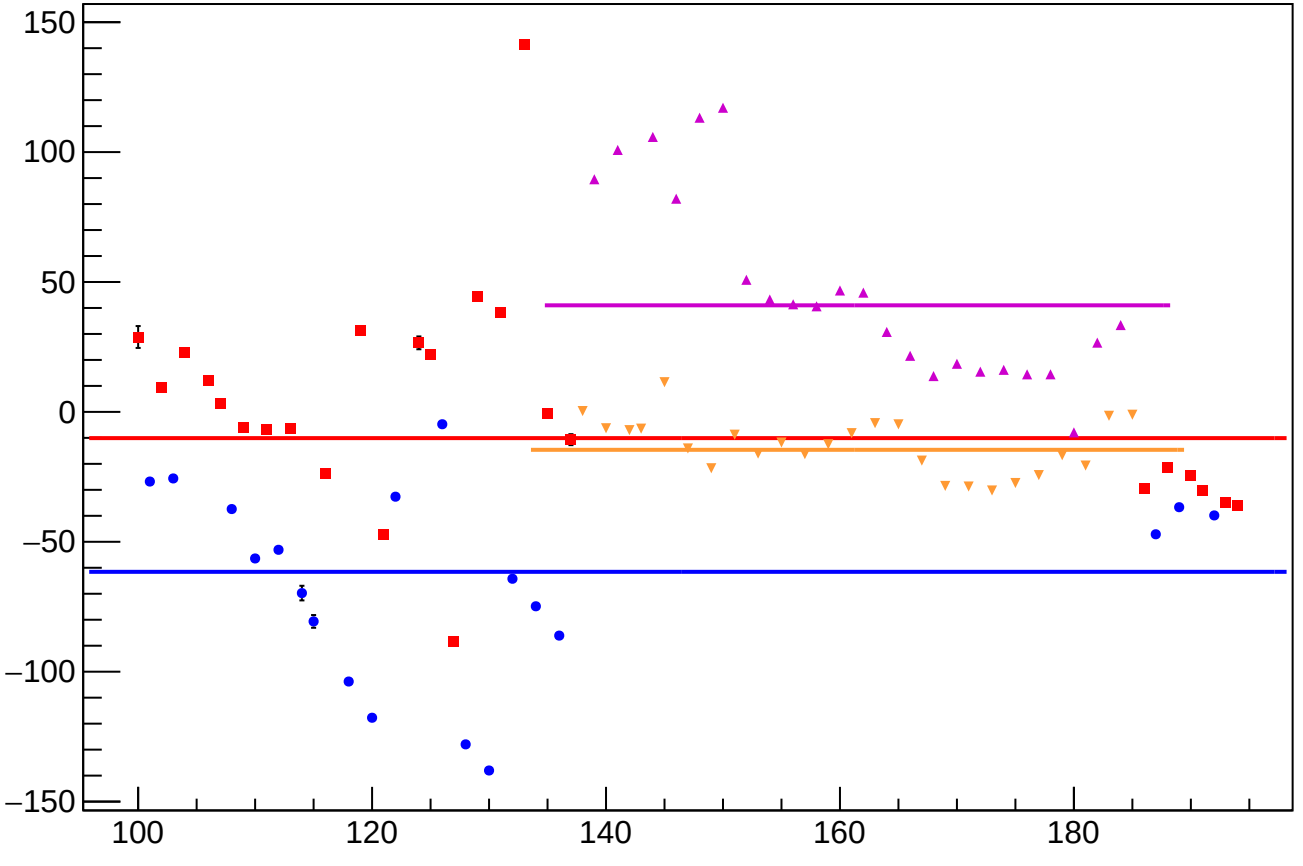
Right: 1068.916+/-0.175 χ^2/NDF: 2478956.9/43

In: 1342.286+/-0.187 χ^2/NDF:2755022.9/41

Out: 1252.642+/-0.166 χ^2/NDF:3814081.8/49

All: 1292.247+/-0.124 χ^2/NDF: 6697242.1/91

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -61.561+/-0.286 χ^2/NDF: 15060.2/18

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: -10.094+/-0.241 χ^2/NDF: 26144.5/24

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

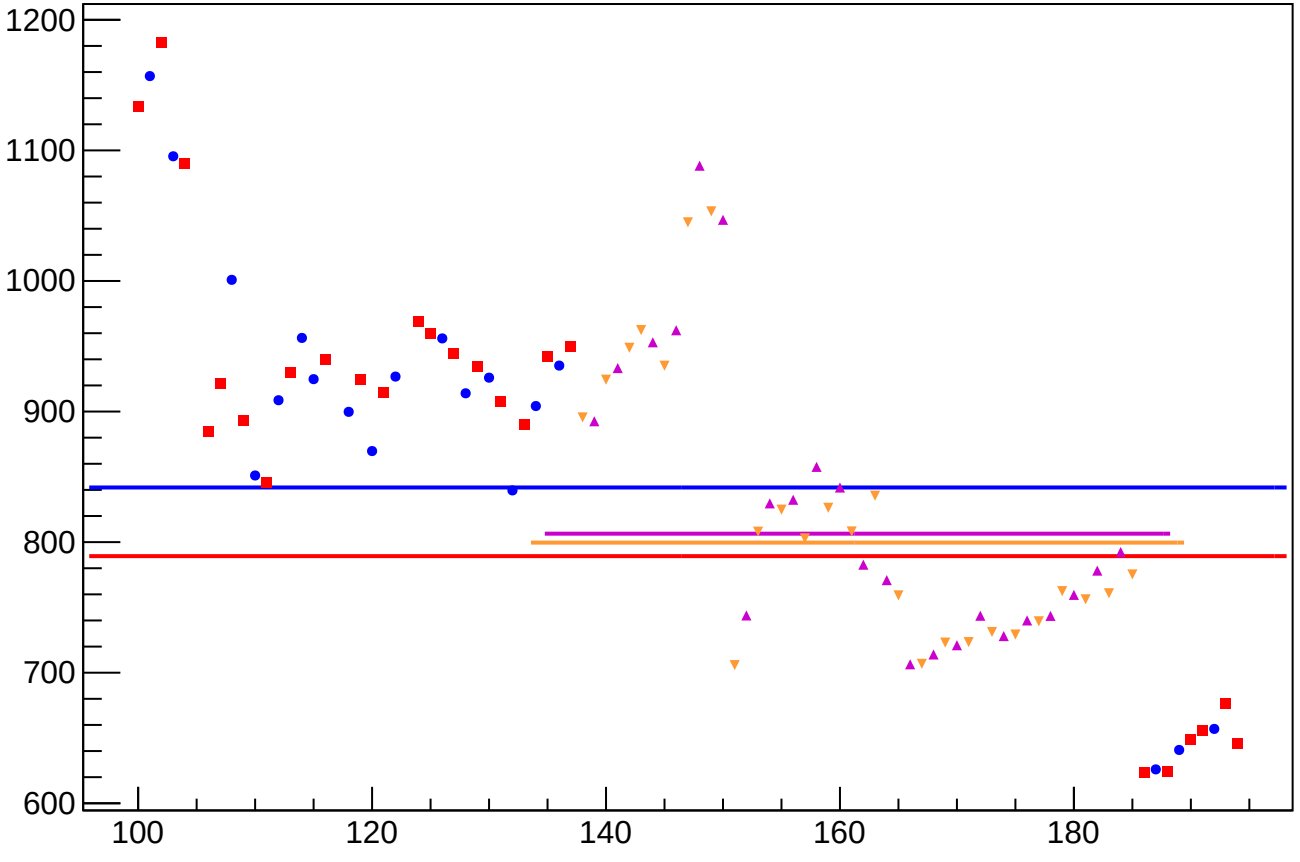
Right: -31.439+/-0.184 χ^2/NDF: 60138.4/43

In: 9.682+/-0.158 χ^2/NDF:135385.5/41

Out: -12.950+/-0.146 χ^2/NDF:29525.4/49

All: -2.561+/-0.107 χ^2/NDF: 175988.8/91

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 841.856+/-0.202 χ^2/NDF: 556446.3/18

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 789.267+/-0.170 χ^2/NDF: 869471.0/24

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

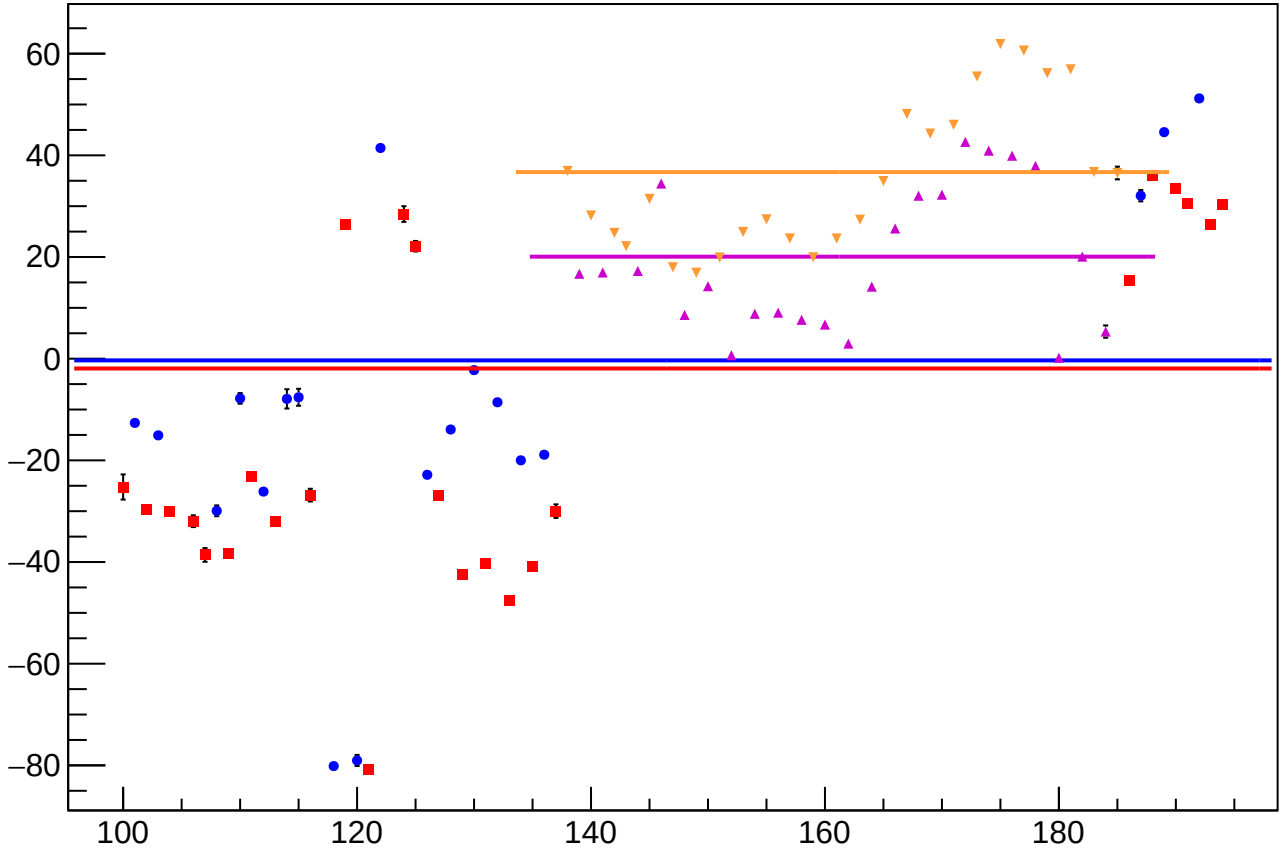
Right: 811.078+/-0.130 χ^2/NDF: 1465454.8/43

In: 817.286+/-0.112 χ^2/NDF:1088973.6/41

Out: 795.845+/-0.103 χ^2/NDF:1369253.5/49

All: 805.687+/-0.076 χ^2/NDF: 2478112.1/91

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -0.335+/-0.197 χ^2/NDF: 36867.2/18

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: -1.928+/-0.169 χ^2/NDF: 42827.2/24

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

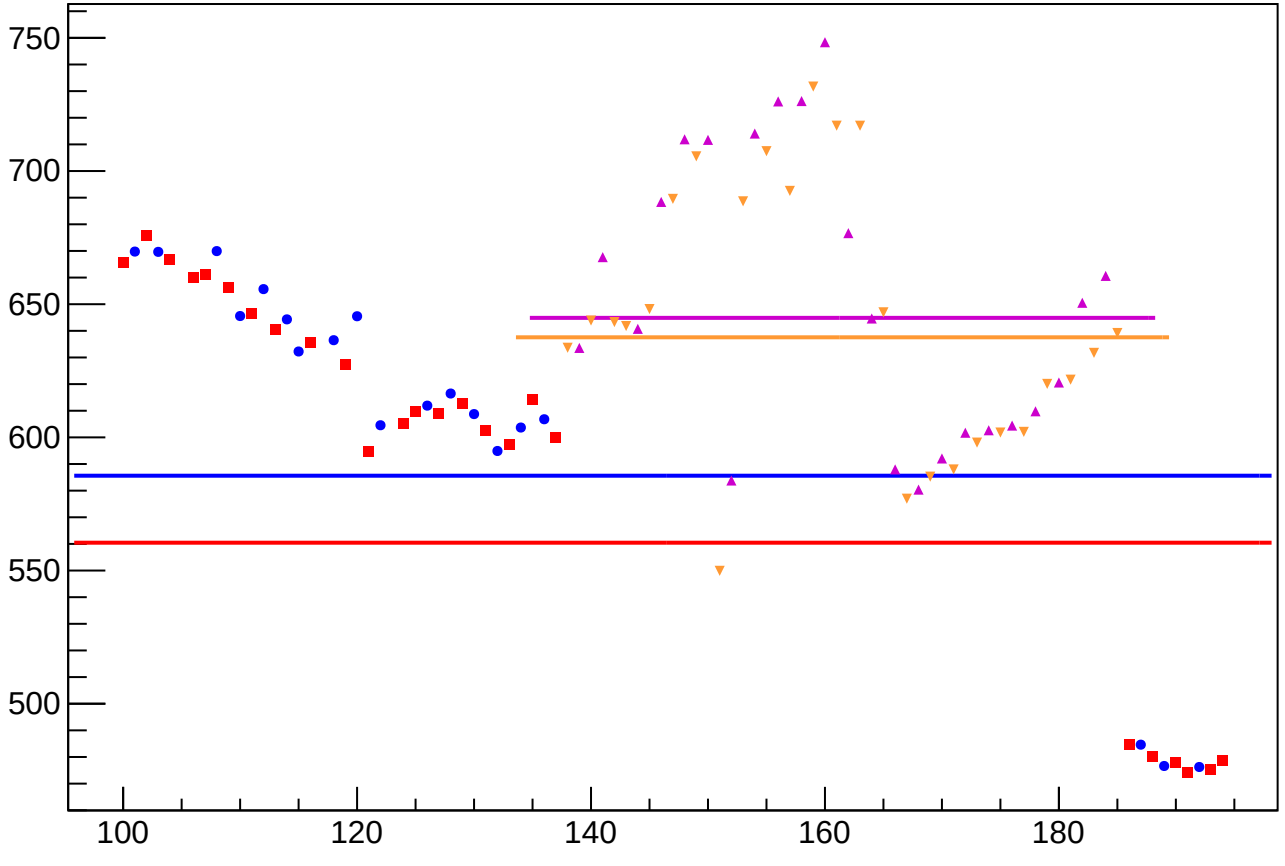
Right: -1.253+/-0.128 χ^2/NDF: 79732.0/43

In: 12.520+/-0.120 χ^2/NDF:52162.8/41

Out: 20.294+/-0.110 χ^2/NDF:83035.0/49

All: 16.735+/-0.081 χ^2/NDF: 137472.2/91

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 585.609+/-0.140 χ^2/NDF: 270498.5/18

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 560.456+/-0.120 χ^2/NDF: 420872.7/24

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

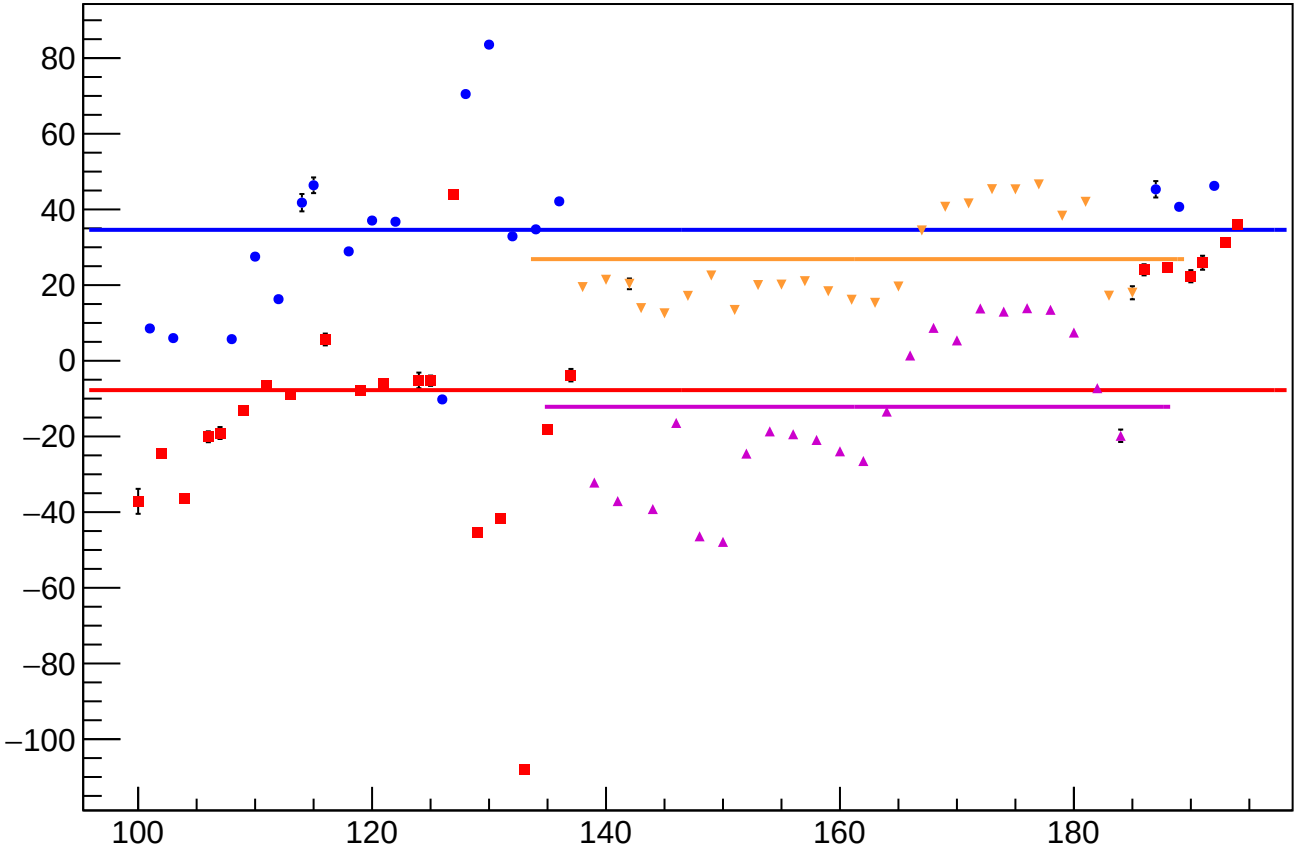
Right: 571.115+/-0.091 χ^2/NDF: 710092.8/43

In: 622.945+/-0.085 χ^2/NDF:613690.9/41

Out: 604.813+/-0.078 χ^2/NDF:896283.7/49

All: 613.114+/-0.057 χ^2/NDF: 1534717.8/91

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 34.608+/-0.268 χ^2/NDF: 6926.3/18

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: -7.754+/-0.247 χ^2/NDF: 19440.2/24

Left In: -12.159+/-0.214 χ^2/NDF:8547.0/22

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

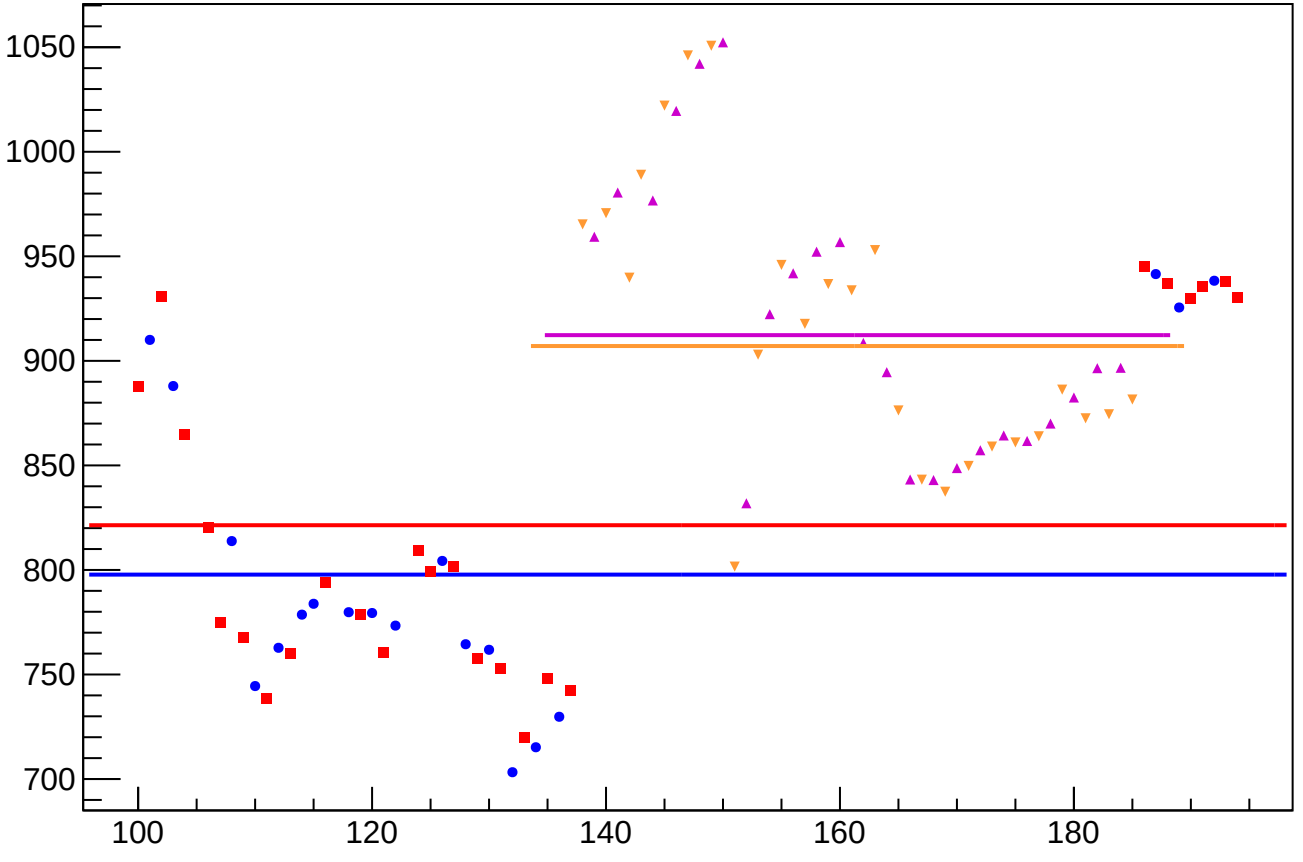
Right: 11.689+/-0.182 χ^2/NDF: 39878.6/43

In: 6.012+/-0.167 χ^2/NDF:34084.7/41

Out: 12.602+/-0.158 χ^2/NDF:34392.0/49

All: 9.481+/-0.115 χ^2/NDF: 69295.5/91

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 797.769+/-0.190 χ^2/NDF: 158983.8/18

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 821.392+/-0.175 χ^2/NDF: 211132.5/24

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

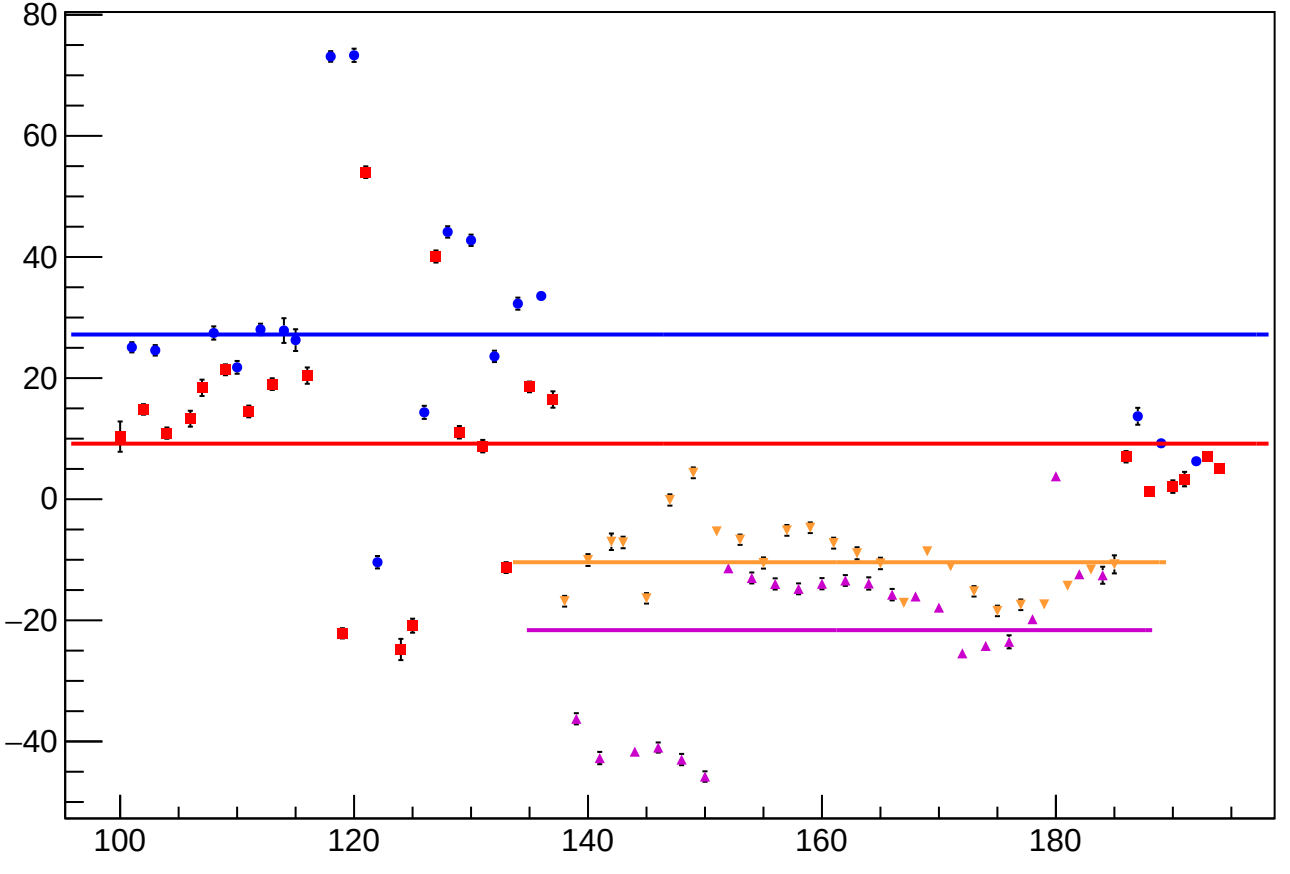
Right: 810.550+/-0.128 χ^2/NDF: 378519.6/43

In: 867.800+/-0.118 χ^2/NDF:556940.0/41

Out: 871.780+/-0.112 χ^2/NDF:547421.2/49

All: 869.895+/-0.081 χ^2/NDF: 1104958.6/91

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 27.198+/-0.214 χ^2/NDF: 8629.2/18

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: 9.178+/-0.191 χ^2/NDF: 6982.8/24

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

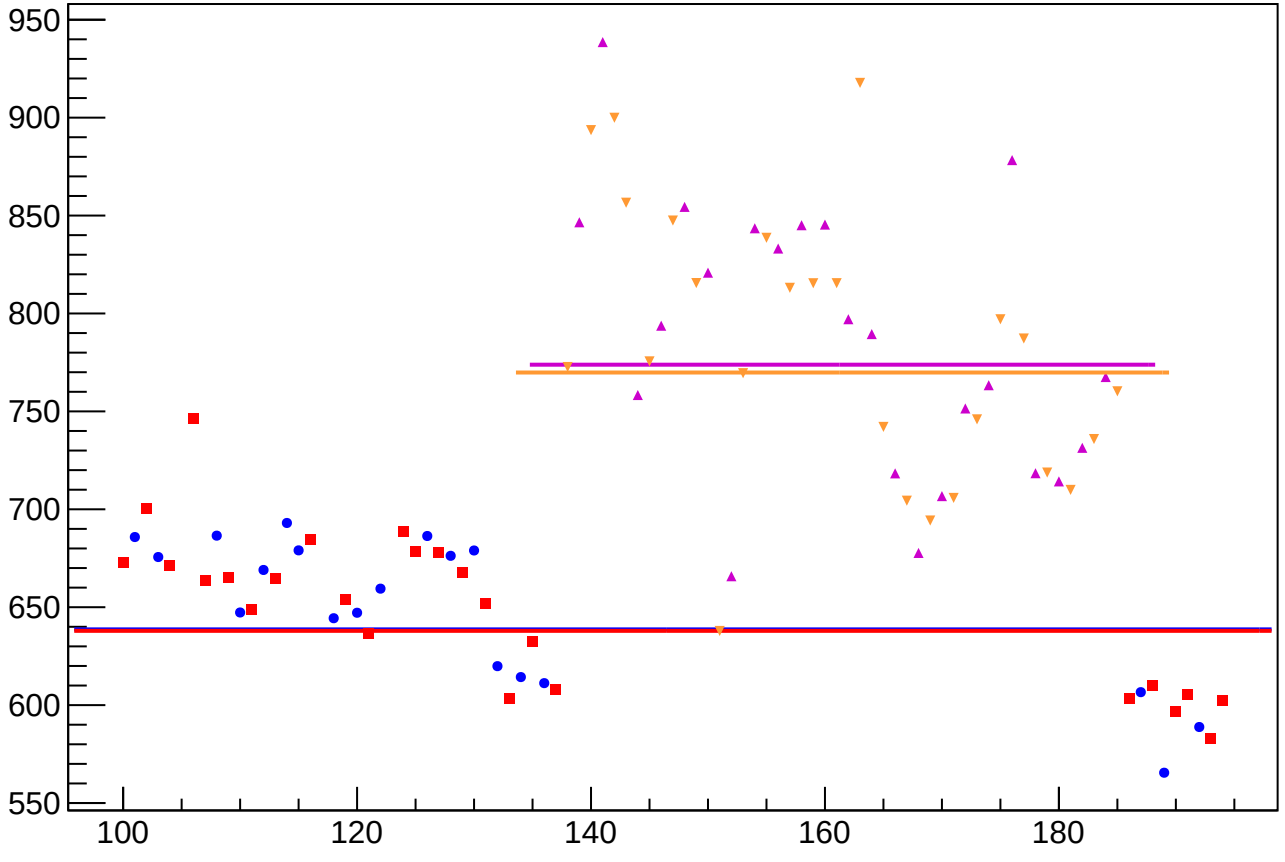
Right: 17.171+/-0.143 χ^2/NDF: 19549.6/43

In: -1.163+/-0.139 χ^2/NDF:44044.2/41

Out: -1.427+/-0.130 χ^2/NDF:13702.0/49

All: -1.304+/-0.095 χ^2/NDF: 57748.2/91

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 638.678+/-0.151 χ^2/NDF: 68081.1/18

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 637.938+/-0.135 χ^2/NDF: 78962.5/24

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

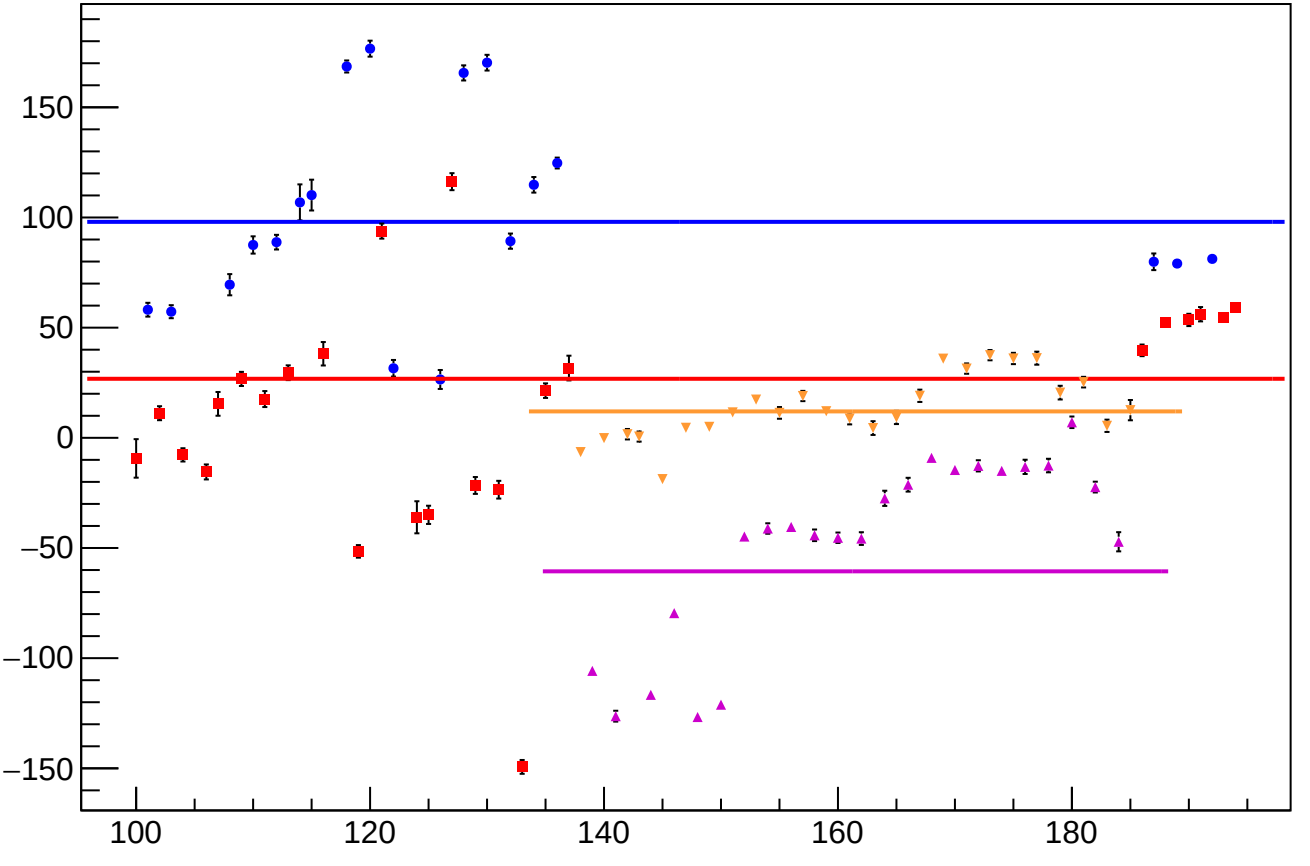
Right: 638.266+/-0.101 χ^2/NDF: 147056.8/43

In: 717.201+/-0.098 χ^2/NDF:813534.3/41

Out: 709.366+/-0.092 χ^2/NDF:898631.3/49

All: 713.016+/-0.067 χ^2/NDF: 1715576.0/91

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 98.016+/-0.713 χ^2/NDF: 3287.0/18

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: 26.794+/-0.605 χ^2/NDF: 6831.2/24

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

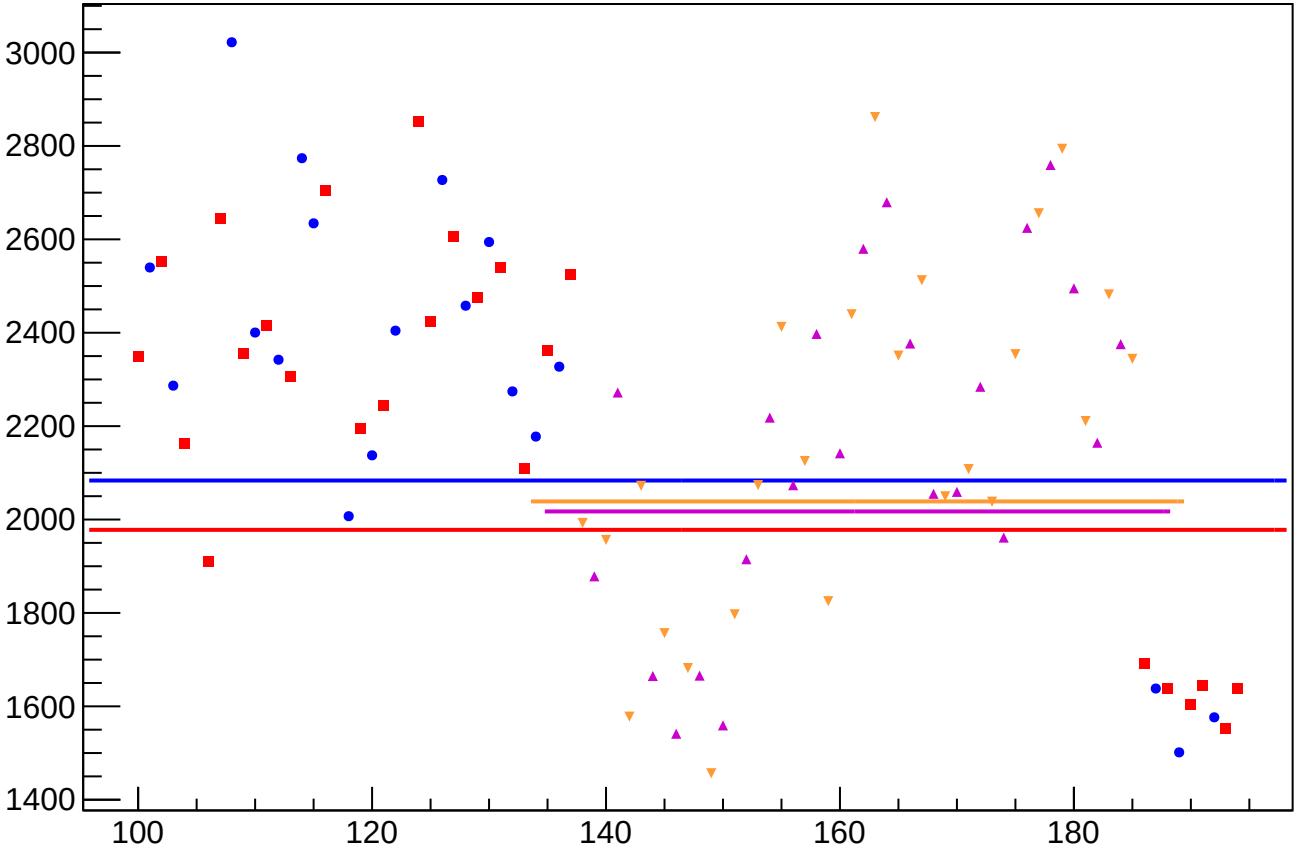
Right: 56.572+/-0.461 χ^2/NDF: 15918.0/43

In: -11.041+/-0.399 χ^2/NDF:45913.0/41

Out: 17.587+/-0.372 χ^2/NDF:8151.0/49

All: 4.272+/-0.272 χ^2/NDF: 56820.8/91

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2083.566+/-0.504 χ^2/NDF: 716537.3/18

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1977.932+/-0.428 χ^2/NDF: 830105.6/24

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

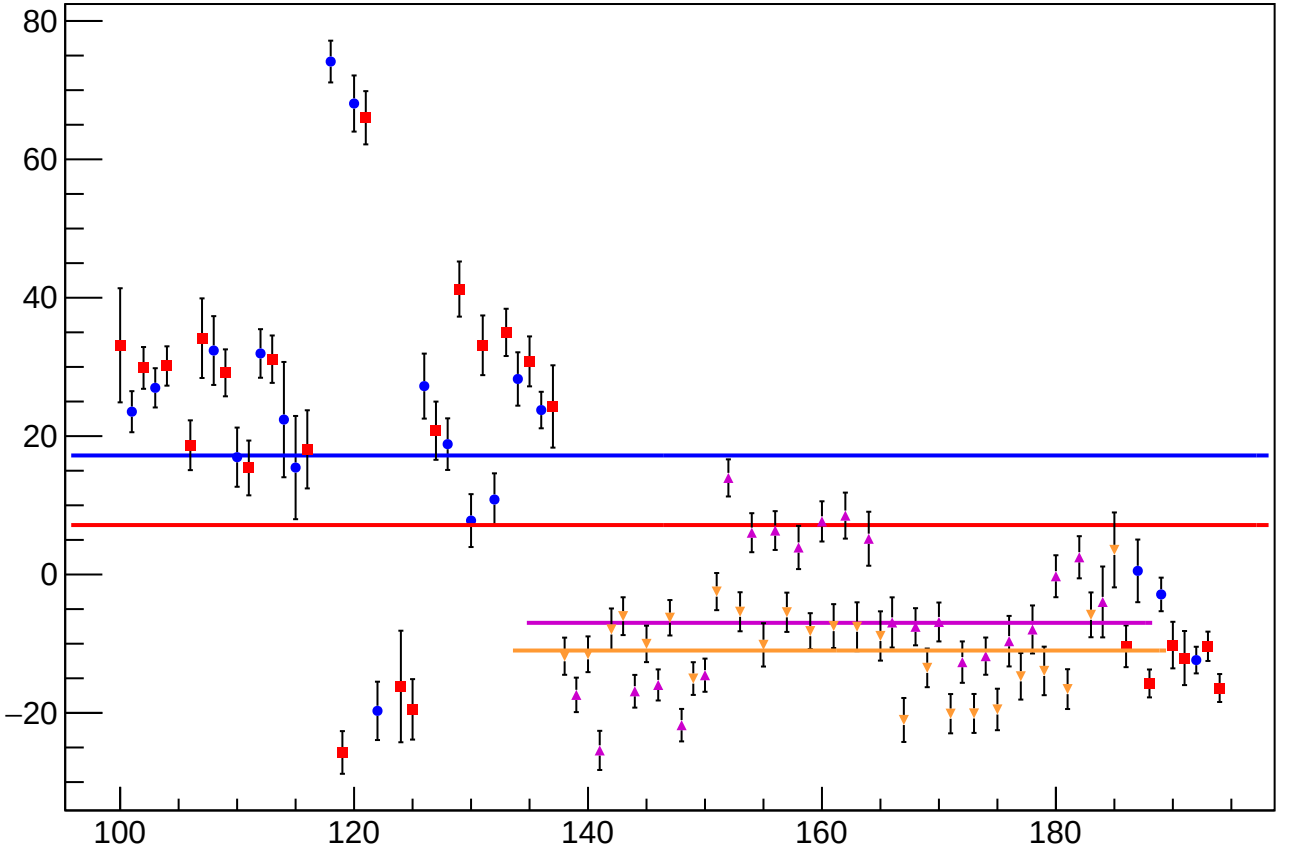
Right: 2022.097+/-0.326 χ^2/NDF: 1572159.0/43

In: 2038.023+/-0.282 χ^2/NDF:1778435.0/41

Out: 2015.773+/-0.263 χ^2/NDF:1966218.4/49

All: 2026.122+/-0.192 χ^2/NDF: 3747983.7/91

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 17.204+/-0.784 χ^2/NDF: 979.5/18

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: 7.147+/-0.673 χ^2/NDF: 1312.1/24

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

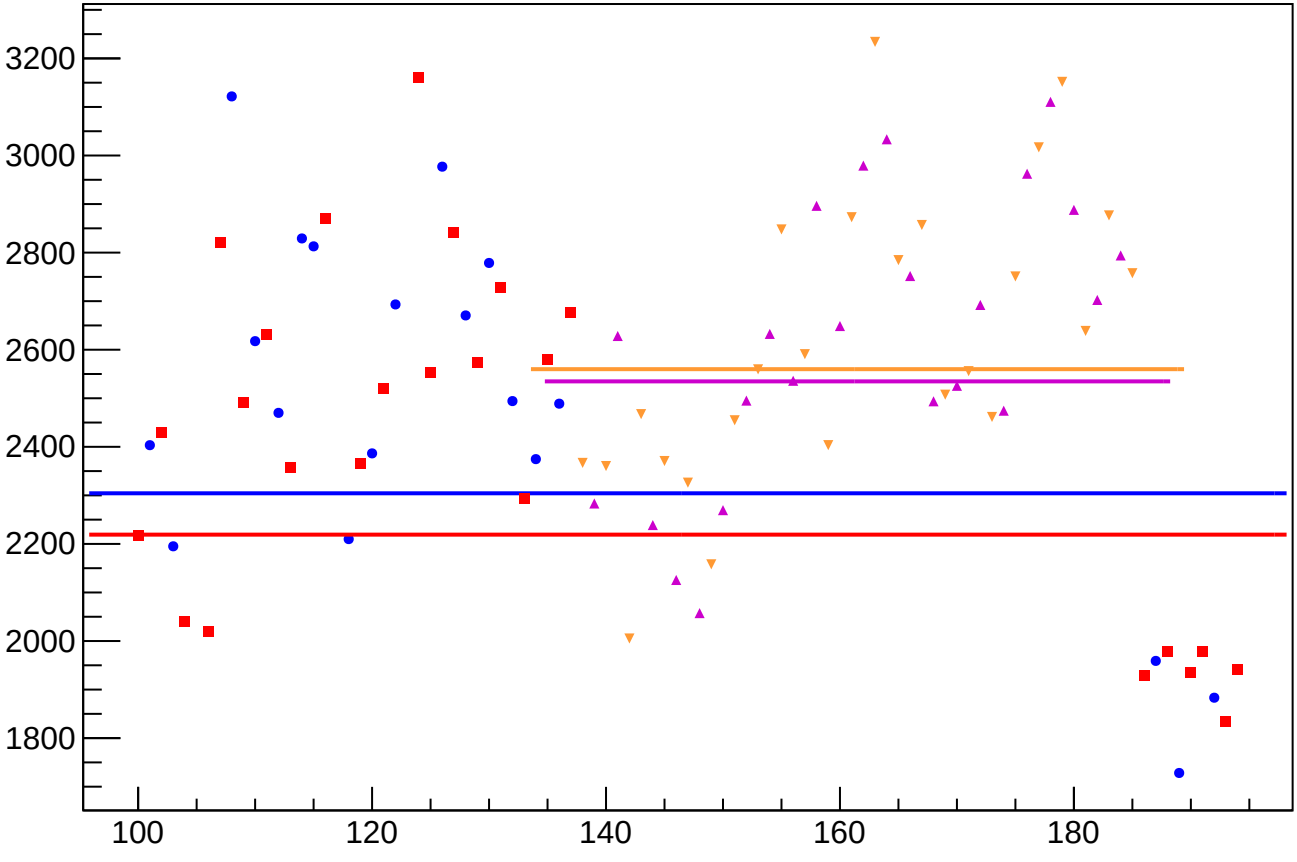
Right: 11.419+/-0.511 χ^2/NDF: 2386.4/43

In: 1.925+/-0.476 χ^2/NDF:1920.8/41

Out: -3.174+/-0.442 χ^2/NDF:1812.3/49

All: -0.811+/-0.324 χ^2/NDF: 3794.8/91

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2304.279+/-0.554 χ^2/NDF: 438168.5/18

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

Right Out: 2219.124+/-0.476 χ^2/NDF: 458895.8/24

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

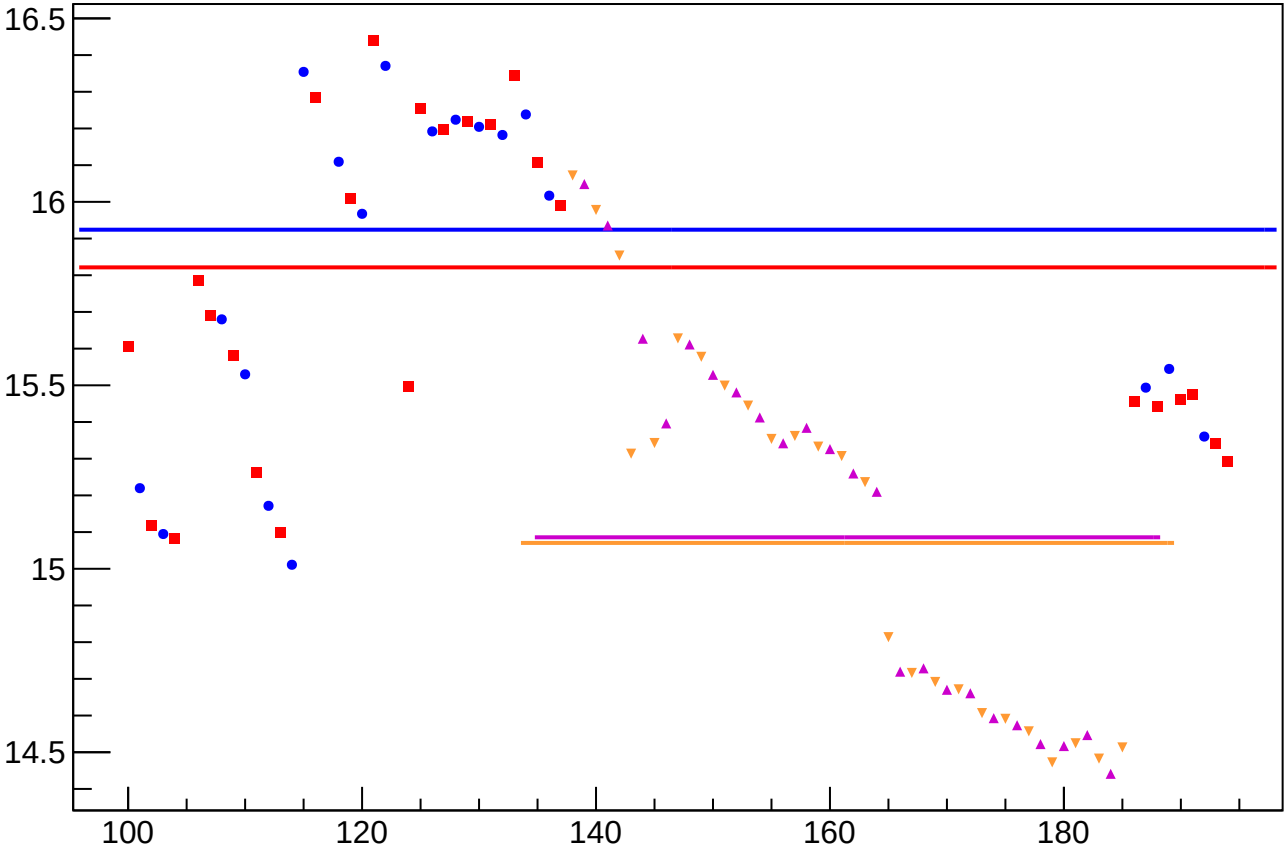
Right: 2255.296+/-0.361 χ^2/NDF: 910647.0/43

In: 2449.877+/-0.336 χ^2/NDF:1011073.1/41

Out: 2413.115+/-0.313 χ^2/NDF:1200611.8/49

All: 2430.152+/-0.229 χ^2/NDF: 2218095.4/91

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.924+/-0.000 χ^2/NDF: 5646166519.8/18

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.821+/-0.000 χ^2/NDF: 8265094559.6/24

Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

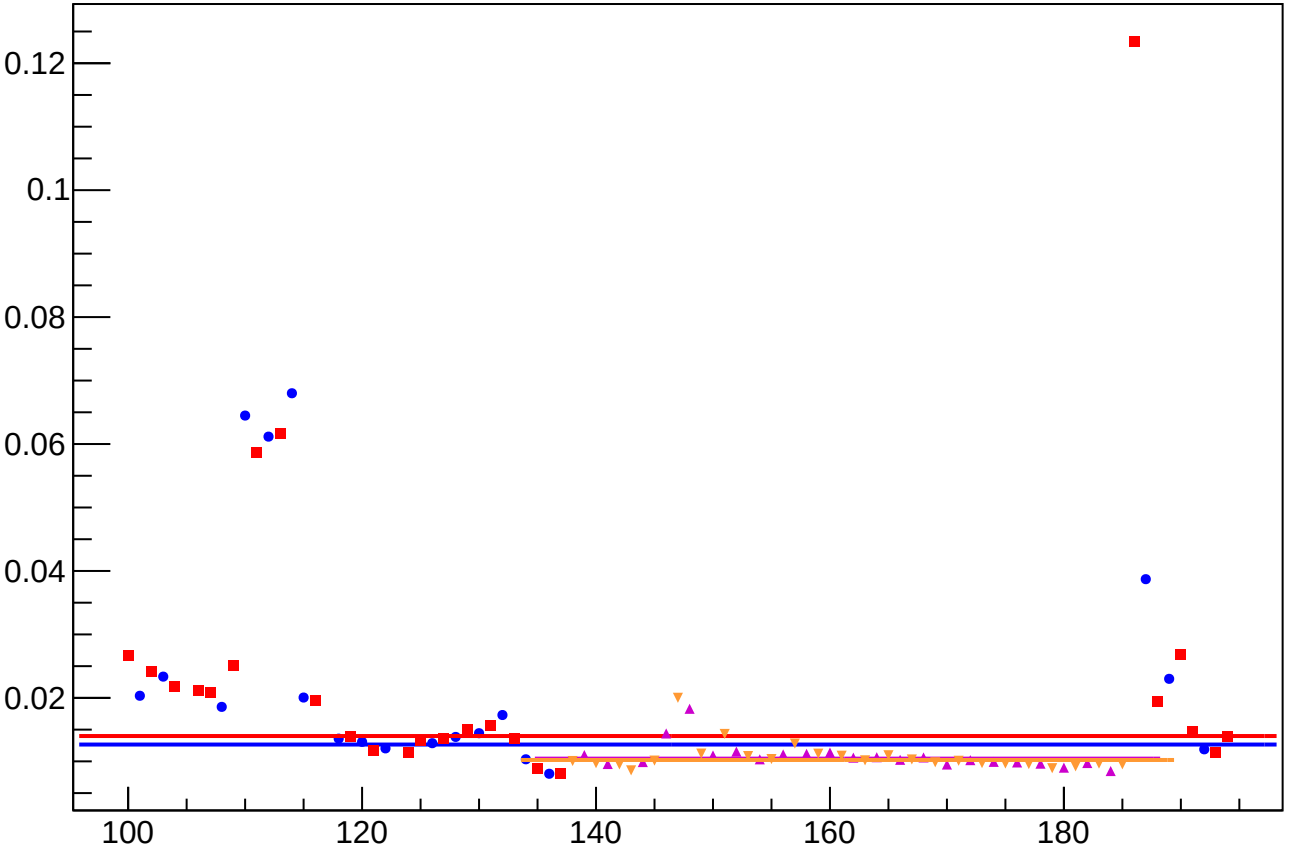
Right: 15.872+/-0.000 χ^2/NDF: 14143371631.5/43

In: 15.267+/-0.000 χ^2/NDF:69090719714.6/41

Out: 15.224+/-0.000 χ^2/NDF:72010547665.8/49

All: 15.244+/-0.000 χ^2/NDF: 141292498777.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2692423.3/18

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 3220592.8/24

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

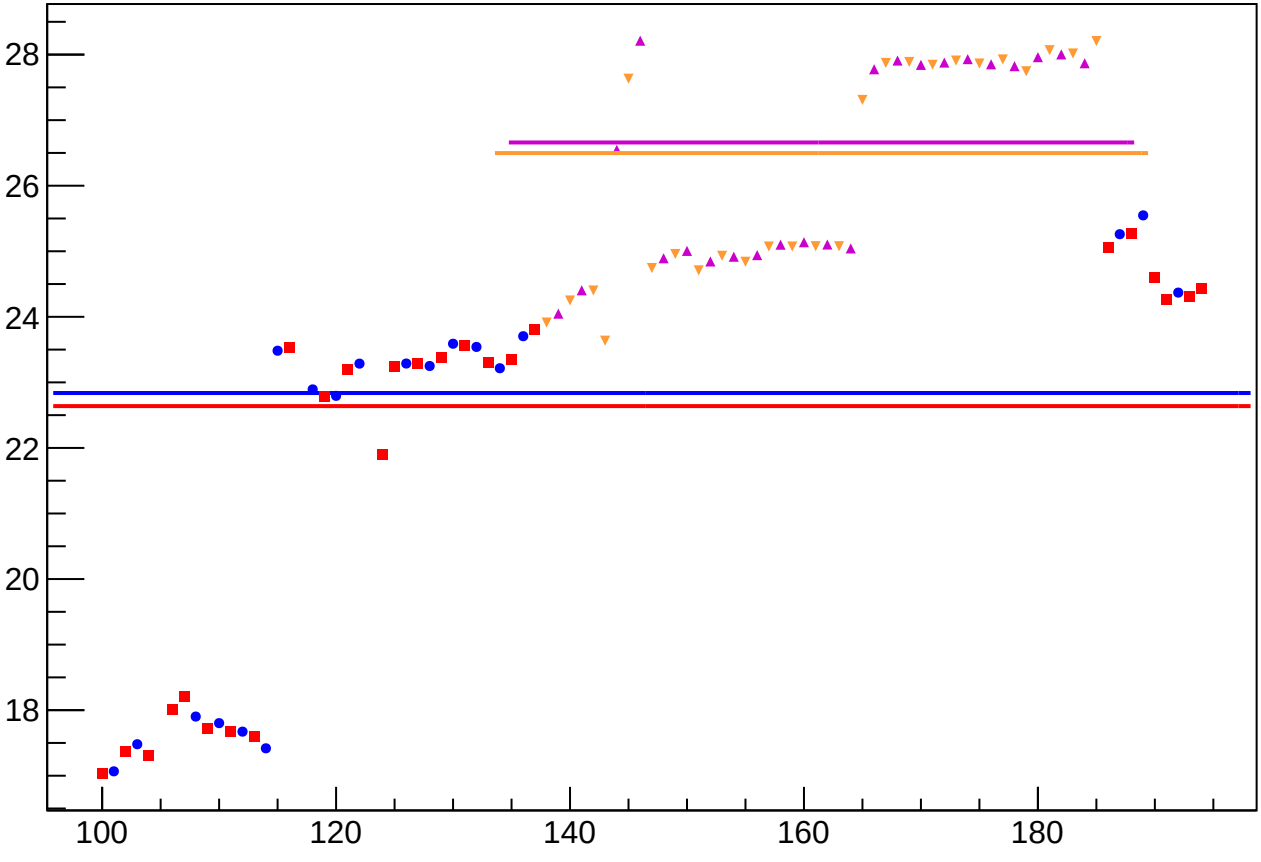
Right: 0.013+/-0.000 χ^2/NDF: 5992264.9/43

In: 0.011+/-0.000 χ^2/NDF:3626290.7/41

Out: 0.011+/-0.000 χ^2/NDF:4992492.3/49

All: 0.011+/-0.000 χ^2/NDF: 8620154.5/91

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.838+/-0.000 χ^2/NDF: 1301499504.5/18

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.638+/-0.000 χ^2/NDF: 1399135159.2/24

Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

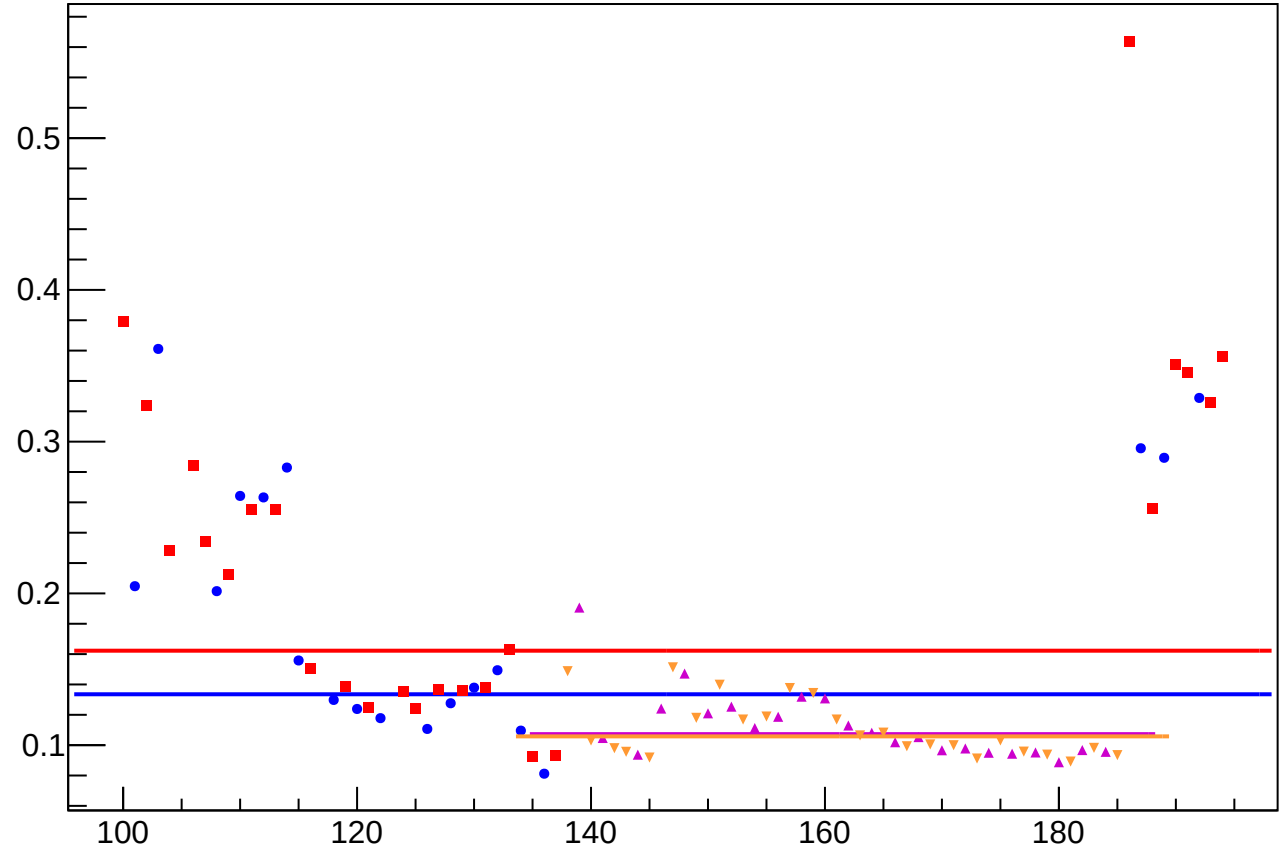
Right: 22.745+/-0.000 χ^2/NDF: 2707324850.3/43

In: 25.859+/-0.000 χ^2/NDF:8351084342.2/41

Out: 25.823+/-0.000 χ^2/NDF:9168262507.4/49

All: 25.841+/-0.000 χ^2/NDF: 17520454212.8

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.134+/-0.000 χ^2/NDF: 2883860.4/18

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.162+/-0.000 χ^2/NDF: 3676101.6/24

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

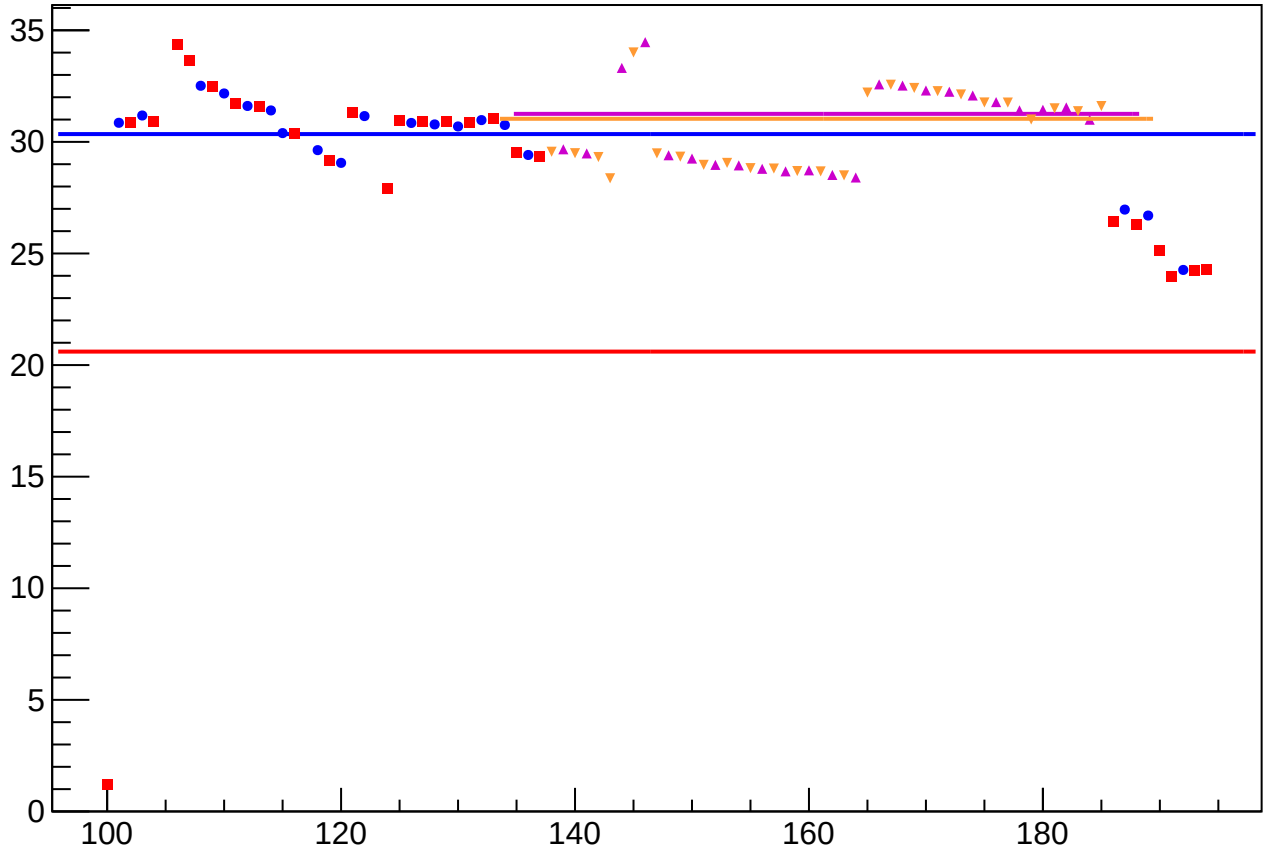
Right: 0.147+/-0.000 χ^2/NDF: 6836703.6/43

In: 0.113+/-0.000 χ^2/NDF:4136751.5/41

Out: 0.116+/-0.000 χ^2/NDF:6084441.7/49

All: 0.114+/-0.000 χ^2/NDF: 10235811.4/91

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.349+/-0.000 χ^2/NDF: 1601541582.5/18

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.604+/-0.000 χ^2/NDF: 223511238654.1/24

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

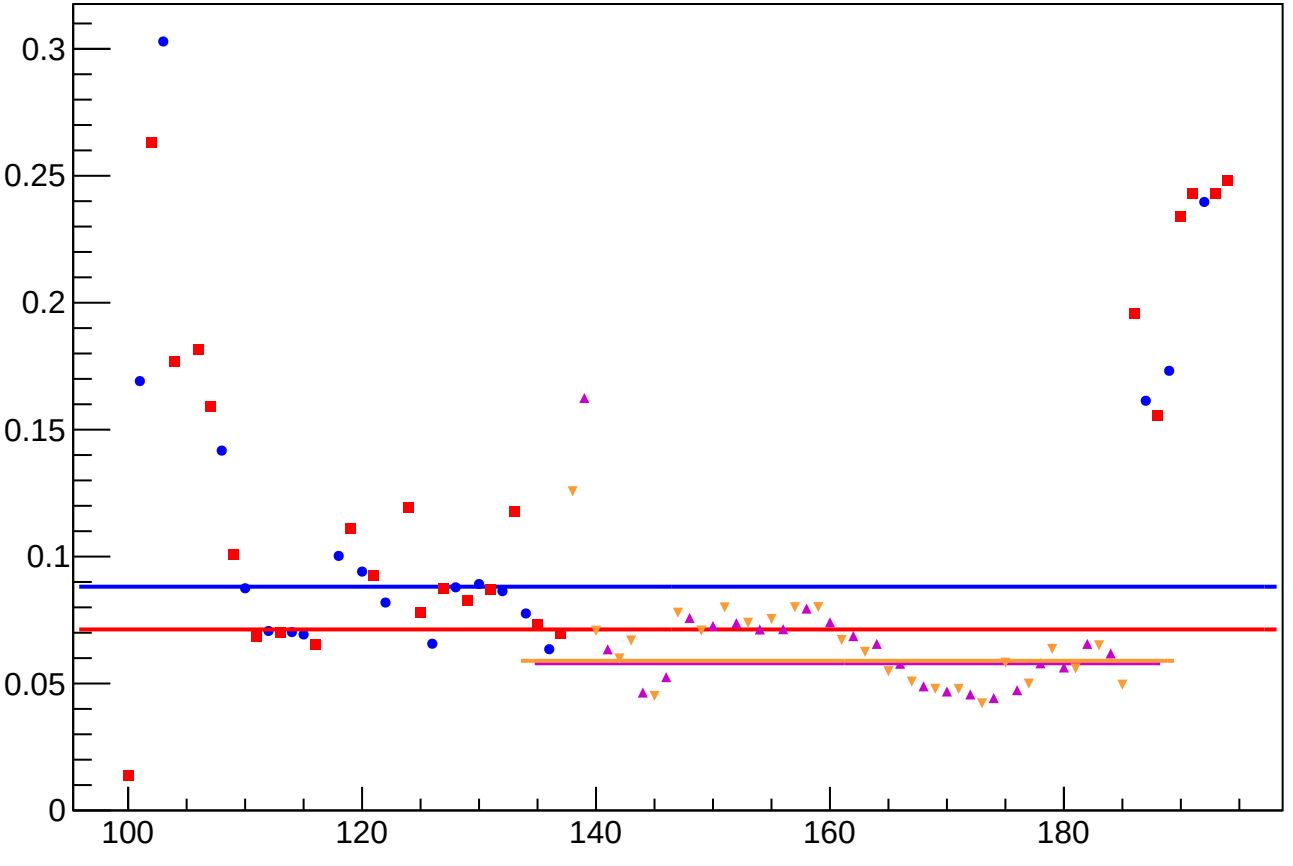
Right: 24.593+/-0.000 χ^2/NDF: 270726048854.4/43

In: 31.106+/-0.000 χ^2/NDF:14749044004.8/41

Out: 28.792+/-0.000 χ^2/NDF:335618069184.7/49

All: 29.892+/-0.000 χ^2/NDF: 364254936736.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.088+/-0.000 χ^2/NDF: 2379779.7/18

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.071+/-0.000 χ^2/NDF: 7326321.6/24

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

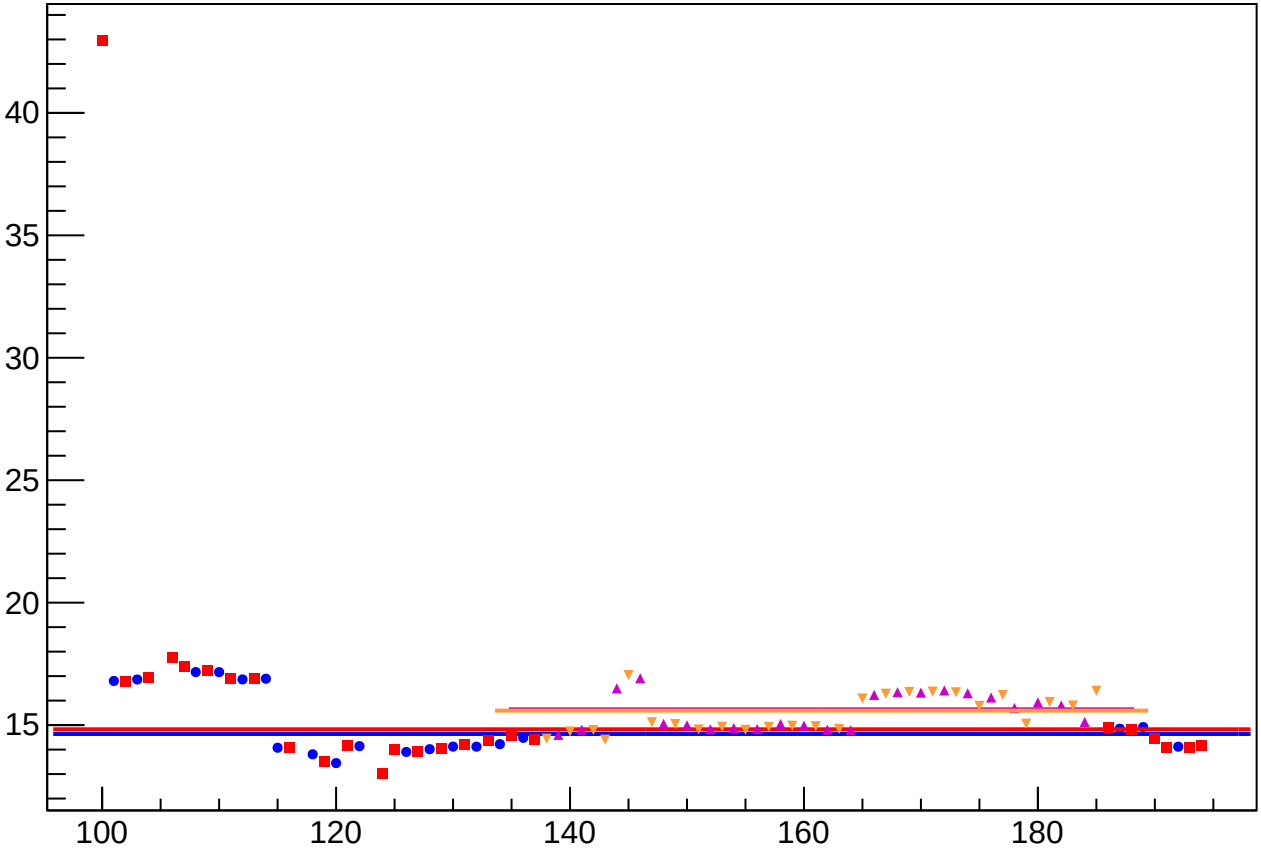
Right: 0.078+/-0.000 χ^2/NDF: 9978499.4/43

In: 0.063+/-0.000 χ^2/NDF:5331491.6/41

Out: 0.062+/-0.000 χ^2/NDF:9144054.1/49

All: 0.062+/-0.000 χ^2/NDF: 14484970.6/91

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.638+/-0.000 χ^2/NDF: 1201209025.6/18

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.829+/-0.000 χ^2/NDF: 1753621417.9/24

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

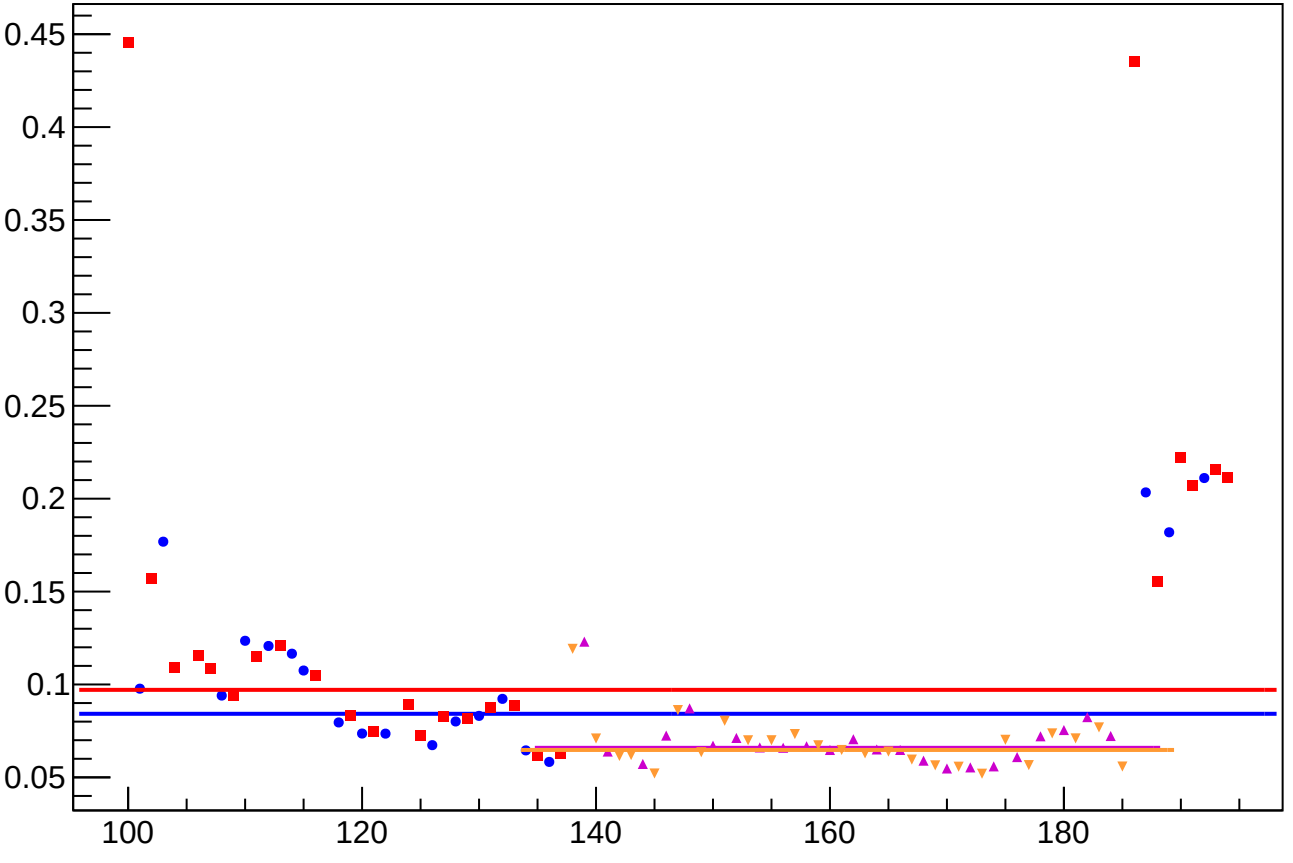
Right: 14.730+/-0.000 χ^2/NDF: 2971959220.9/43

In: 15.428+/-0.000 χ^2/NDF:3839172361.2/41

Out: 15.447+/-0.000 χ^2/NDF:4440256223.9/49

All: 15.438+/-0.000 χ^2/NDF: 8280256840.8/9

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.084+/-0.000 χ^2/NDF: 2082576.6/18

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.097+/-0.000 χ^2/NDF: 3045751.0/24

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

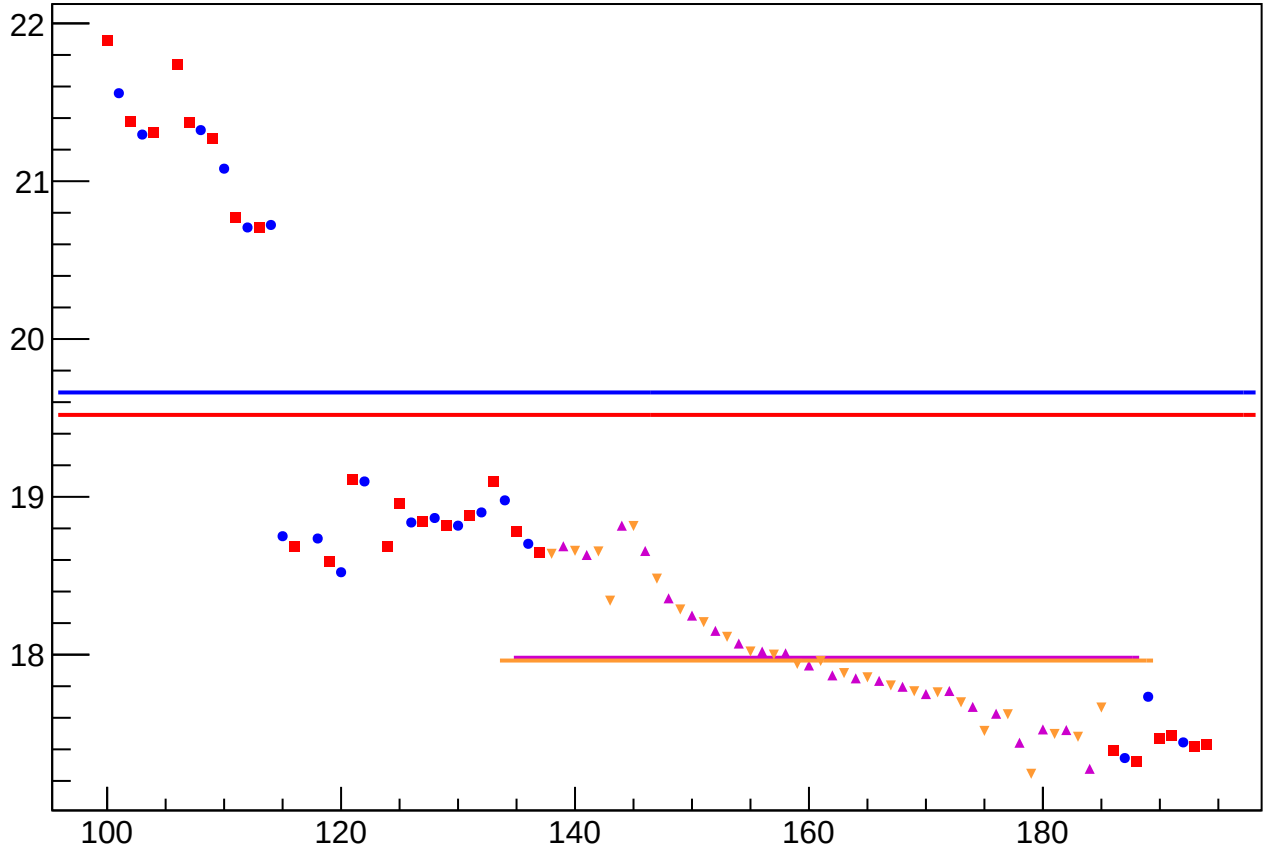
Right: 0.090+/-0.000 χ^2/NDF: 5285046.1/43

In: 0.070+/-0.000 χ^2/NDF:3387256.3/41

Out: 0.071+/-0.000 χ^2/NDF:5446165.5/49

All: 0.070+/-0.000 χ^2/NDF: 8838413.5/91

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.661+/-0.000 χ^2/NDF: 16412608736.9/18

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 19.519+/-0.000 χ^2/NDF: 22231864761.0/24

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

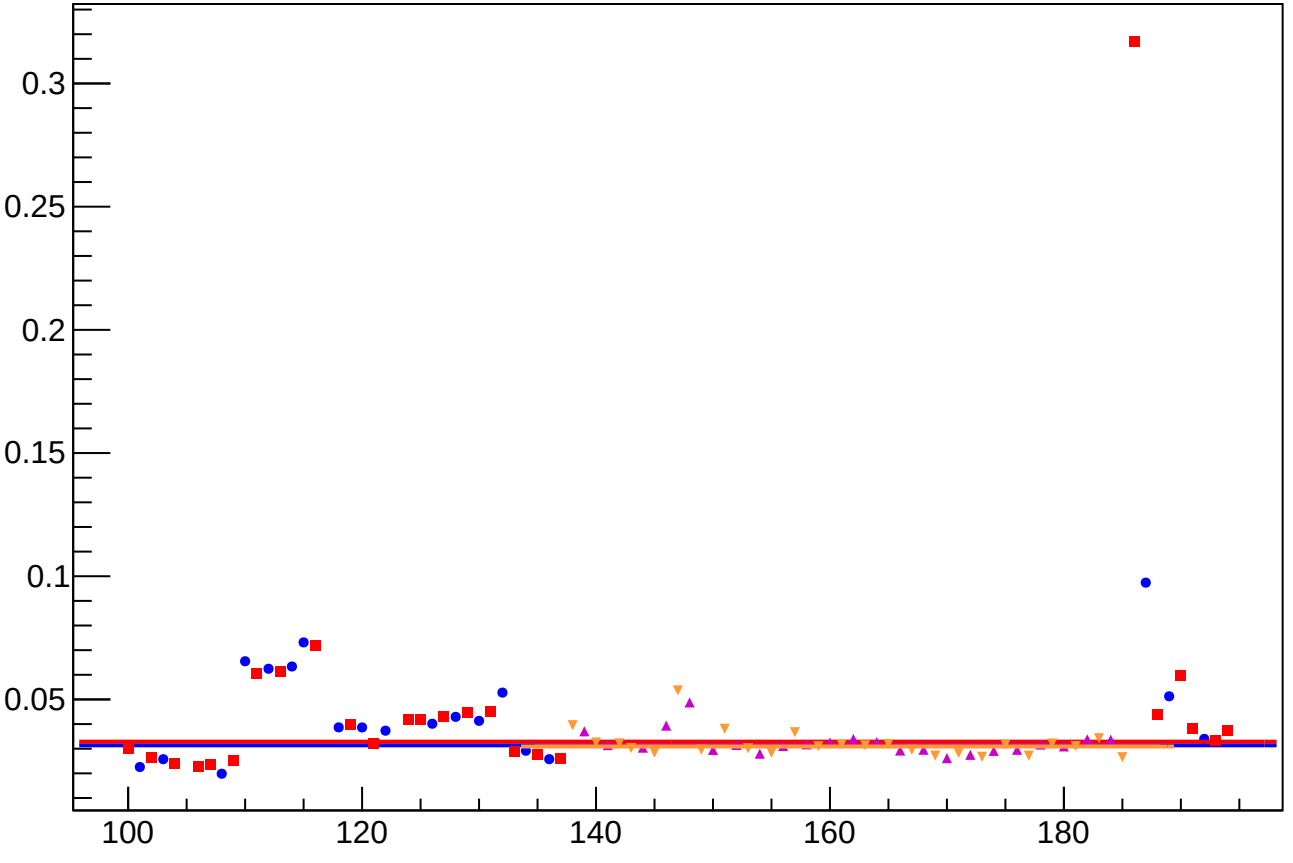
Right: 19.586+/-0.000 χ^2/NDF: 38725321948.5/43

In: 18.478+/-0.000 χ^2/NDF:34083573441.7/41

Out: 18.442+/-0.000 χ^2/NDF:39594755187.5/49

All: 18.459+/-0.000 χ^2/NDF: 73695339868.3

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.031+/-0.000 χ^2/NDF: 1786418.6/18

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.033+/-0.000 χ^2/NDF: 2151014.7/24

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

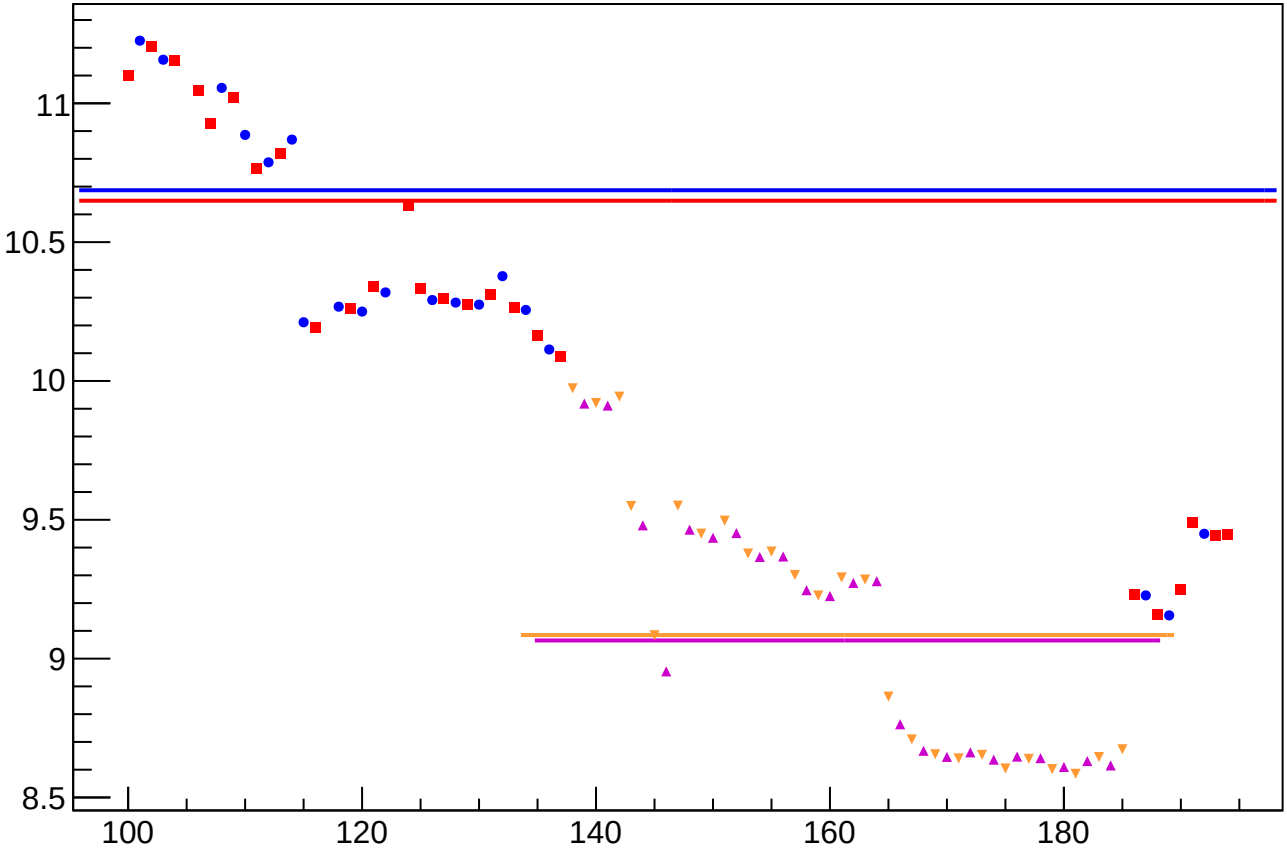
Right: 0.032+/-0.000 χ^2/NDF: 3955197.1/43

In: 0.031+/-0.000 χ^2/NDF:2269962.5/41

Out: 0.032+/-0.000 χ^2/NDF:2830893.0/49

All: 0.031+/-0.000 χ^2/NDF: 5103105.8/91

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.687+/-0.000 χ^2/NDF: 7706997189.4/18

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.649+/-0.000 χ^2/NDF: 8118269951.2/24

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

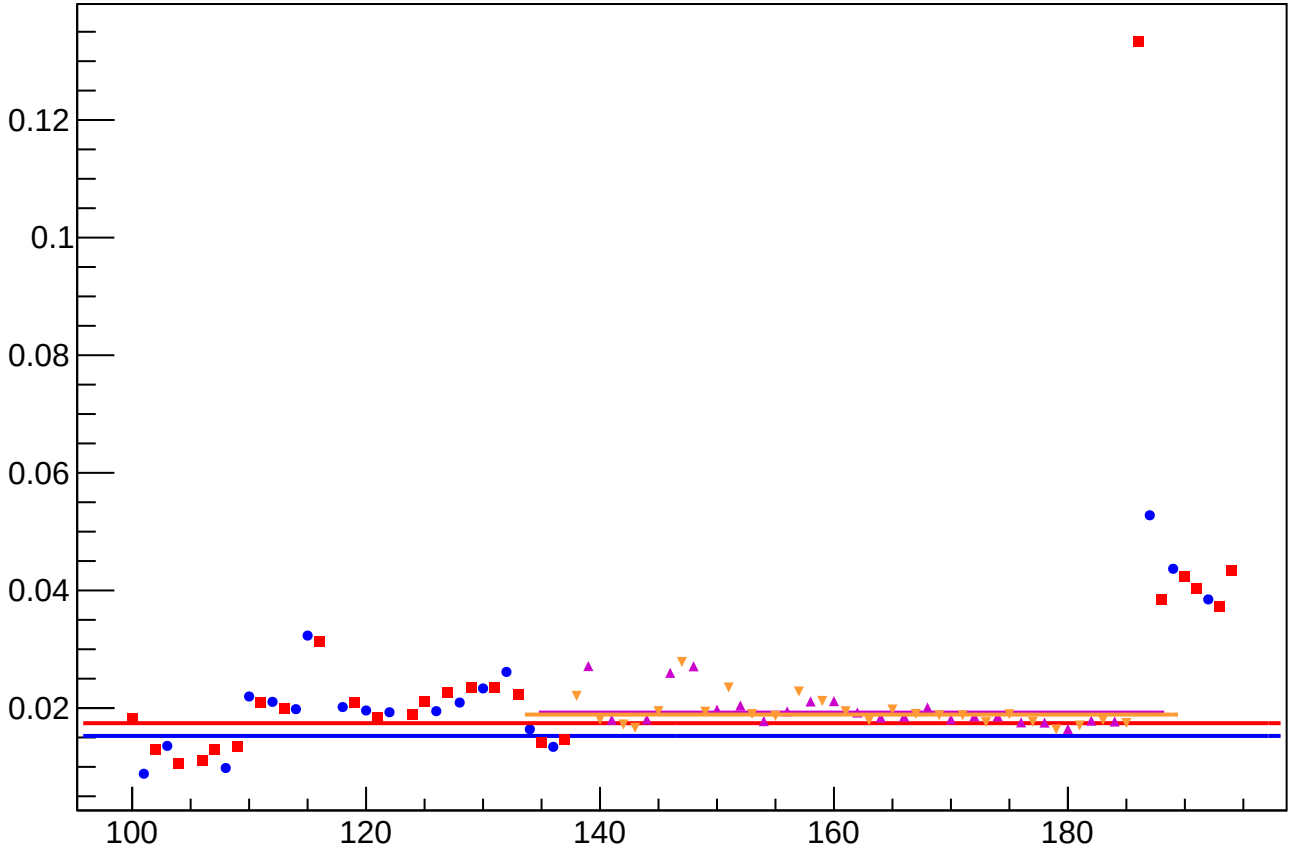
Right: 10.668+/-0.000 χ^2/NDF: 15845192406.9/43

In: 9.697+/-0.000 χ^2/NDF:61662590892.4/41

Out: 9.646+/-0.000 χ^2/NDF:61540401504.8/49

All: 9.671+/-0.000 χ^2/NDF: 123304029249.5

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 2846896.9/18

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.017+/-0.000 χ^2/NDF: 3867192.8/24

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

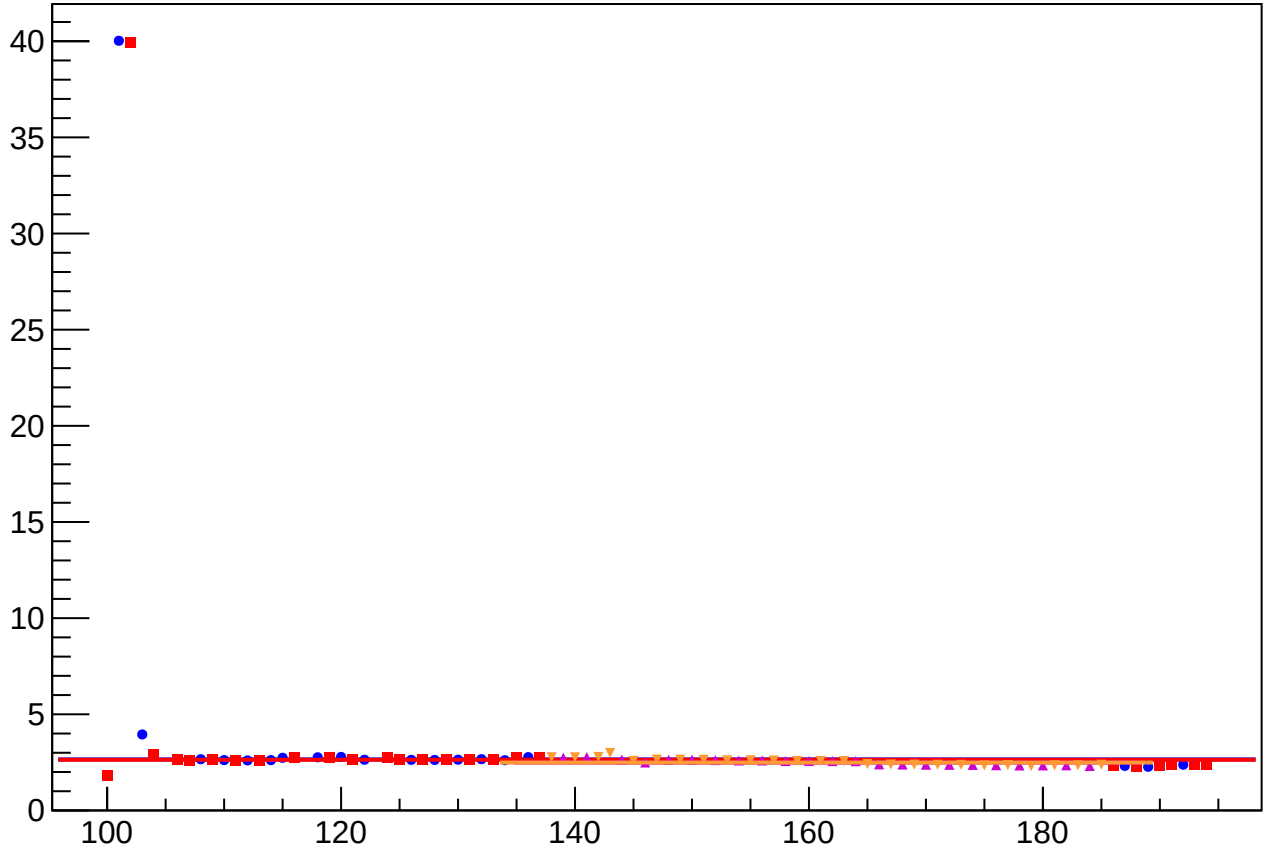
Right: 0.016+/-0.000 χ^2/NDF: 6846103.8/43

In: 0.018+/-0.000 χ^2/NDF:3937886.5/41

Out: 0.018+/-0.000 χ^2/NDF:4384216.7/49

All: 0.018+/-0.000 χ^2/NDF: 8357399.0/91

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.654+/-0.000 χ^2/NDF: 72528547813.6/18

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.636+/-0.000 χ^2/NDF: 74311773063.6/24

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

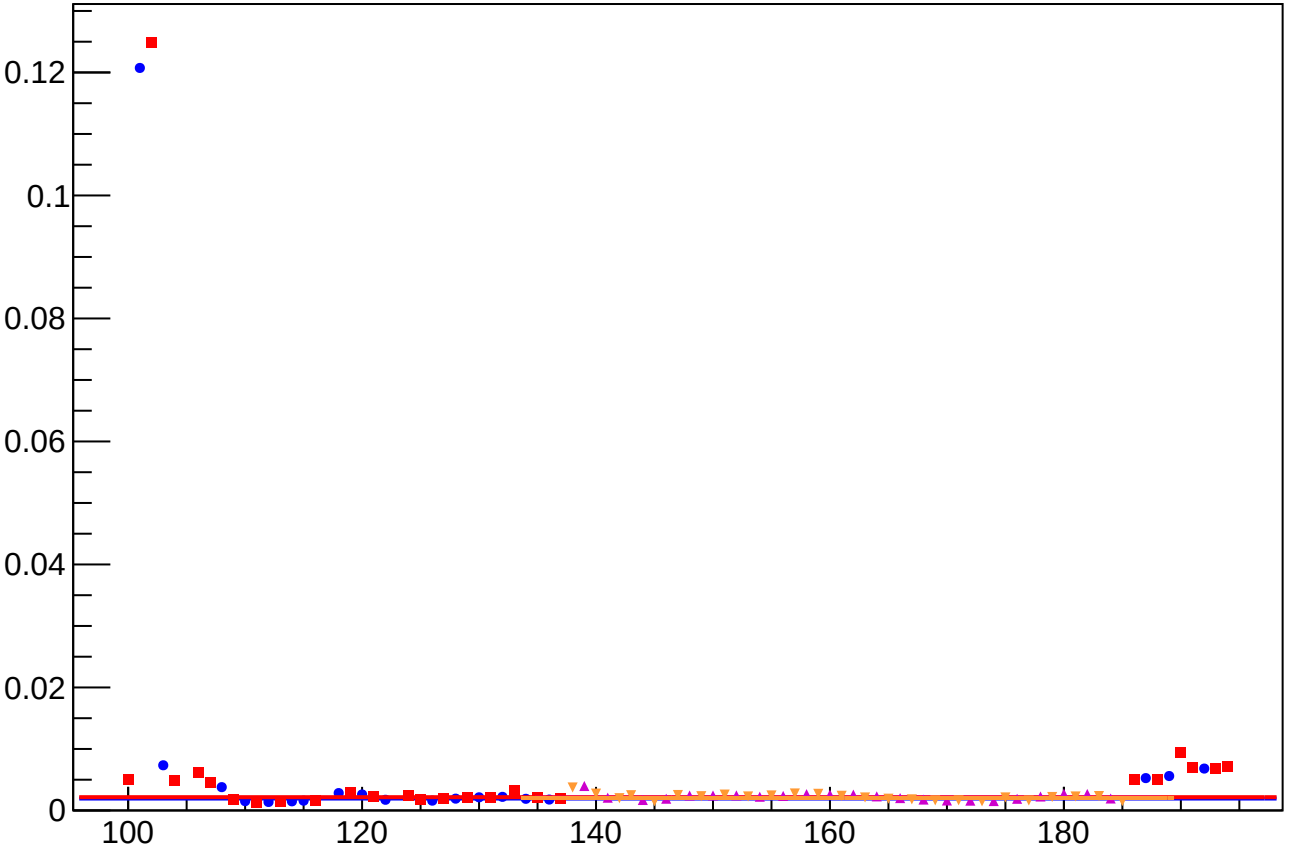
Right: 2.645+/-0.000 χ^2/NDF: 147084408325.4/43

In: 2.539+/-0.000 χ^2/NDF:162211118891.4/41

Out: 2.532+/-0.000 χ^2/NDF:189167860312.1/49

All: 2.535+/-0.000 χ^2/NDF: 351473803117.5

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3405548.6/18

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5766753.6/24

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

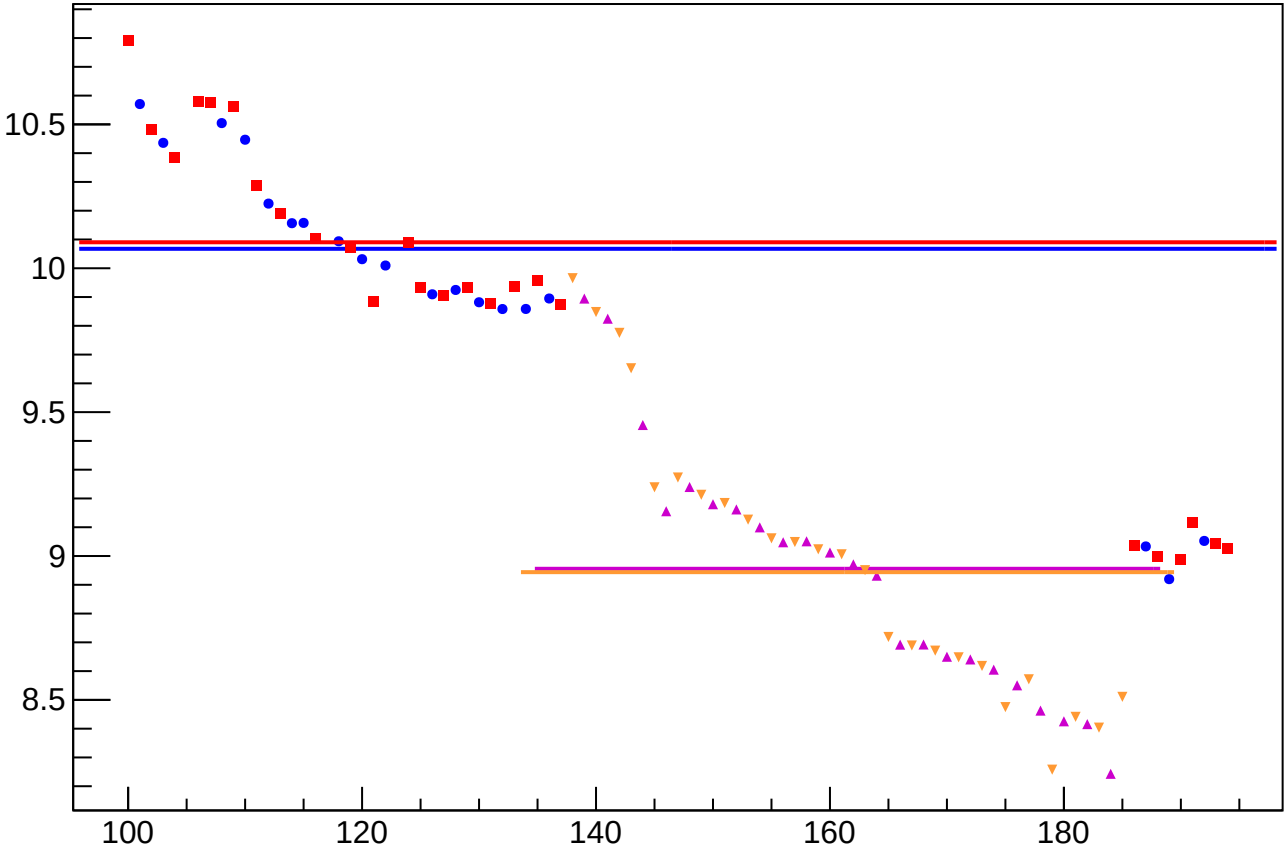
Right: 0.002+/-0.000 χ^2/NDF: 9245062.9/43

In: 0.002+/-0.000 χ^2/NDF:4841811.4/41

Out: 0.002+/-0.000 χ^2/NDF:7362126.4/49

All: 0.002+/-0.000 χ^2/NDF: 12210212.3/91

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.068+/-0.000 χ^2/NDF: 17161897661.0/18

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 10.090+/-0.000 χ^2/NDF: 27036756839.5/24

Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

Left: 8.949+/-0.000 χ^2/NDF: 117486228855.1/47

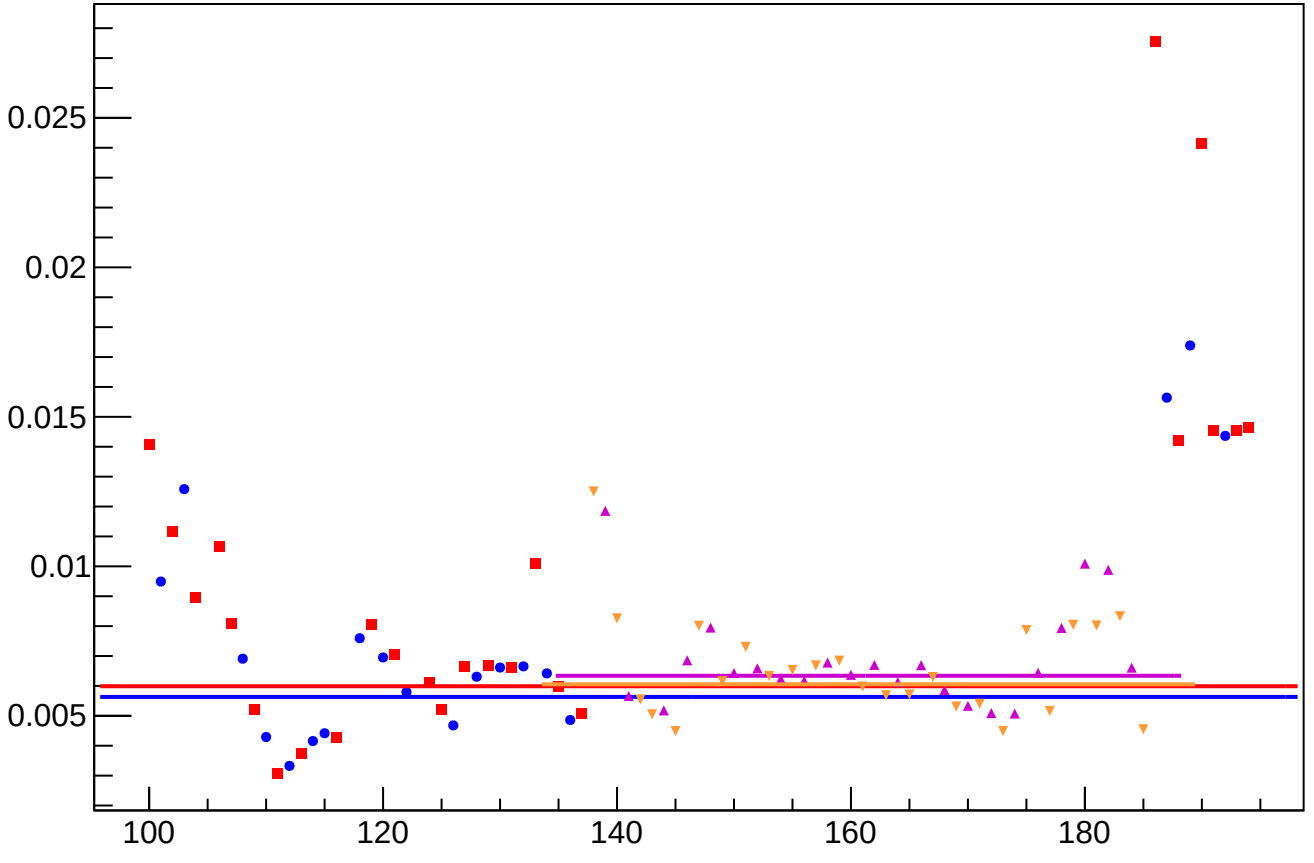
Right: 10.079+/-0.000 χ^2/NDF: 44251689912.2/43

In: 9.352+/-0.000 χ^2/NDF:228299820986.6/41

Out: 9.330+/-0.000 χ^2/NDF:277306335209.3/49

All: 9.340+/-0.000 χ^2/NDF: 505745971336.3

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2632655.6/18

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 4801256.0/24

Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

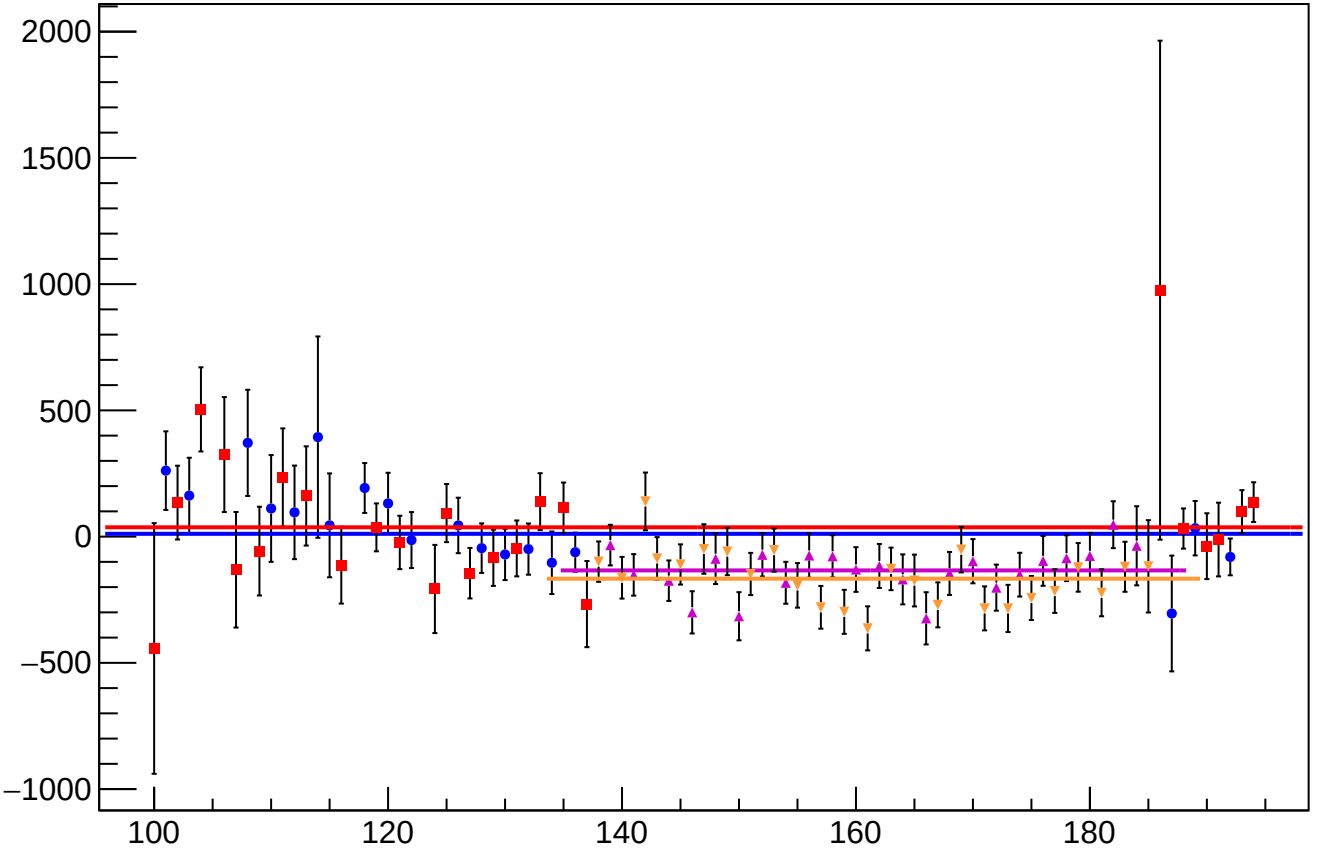
Right: 0.006+/-0.000 χ^2/NDF: 7460197.3/43

In: 0.006+/-0.000 χ^2/NDF:3936856.4/41

Out: 0.006+/-0.000 χ^2/NDF:6263415.7/49

All: 0.006+/-0.000 χ^2/NDF: 10202096.0/91

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 11.038+/-27.230 χ^2/NDF: 19.0/18

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: 36.876+/-25.009 χ^2/NDF: 29.7/24

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

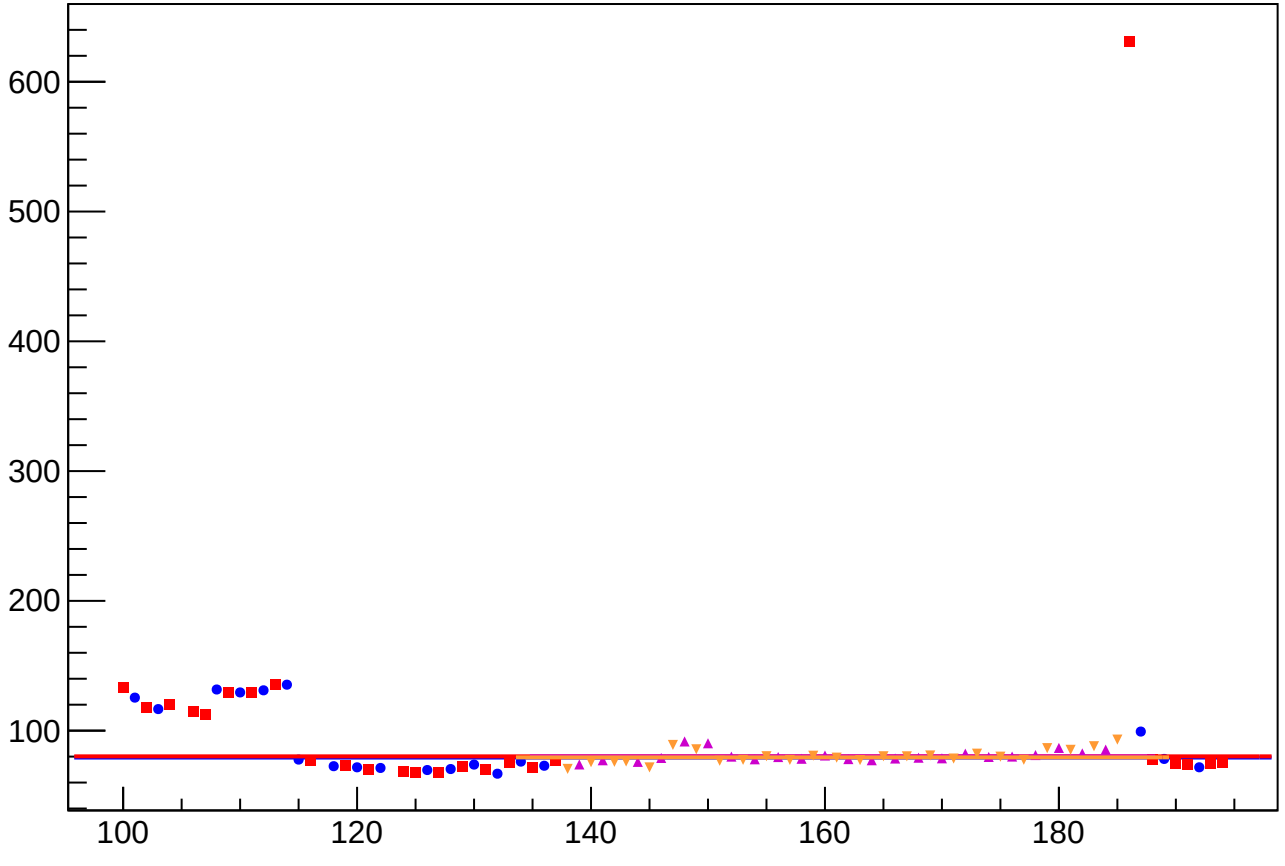
Right: 25.054+/-18.420 χ^2/NDF: 49.2/43

In: -87.225+/-15.446 χ^2/NDF:59.0/41

Out: -96.814+/-14.652 χ^2/NDF:104.8/49

All: -92.273+/-10.630 χ^2/NDF: 164.0/91

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 79.284+/-0.019 χ^2/NDF: 879172.0/18

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 80.192+/-0.018 χ^2/NDF: 1583458.5/24

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

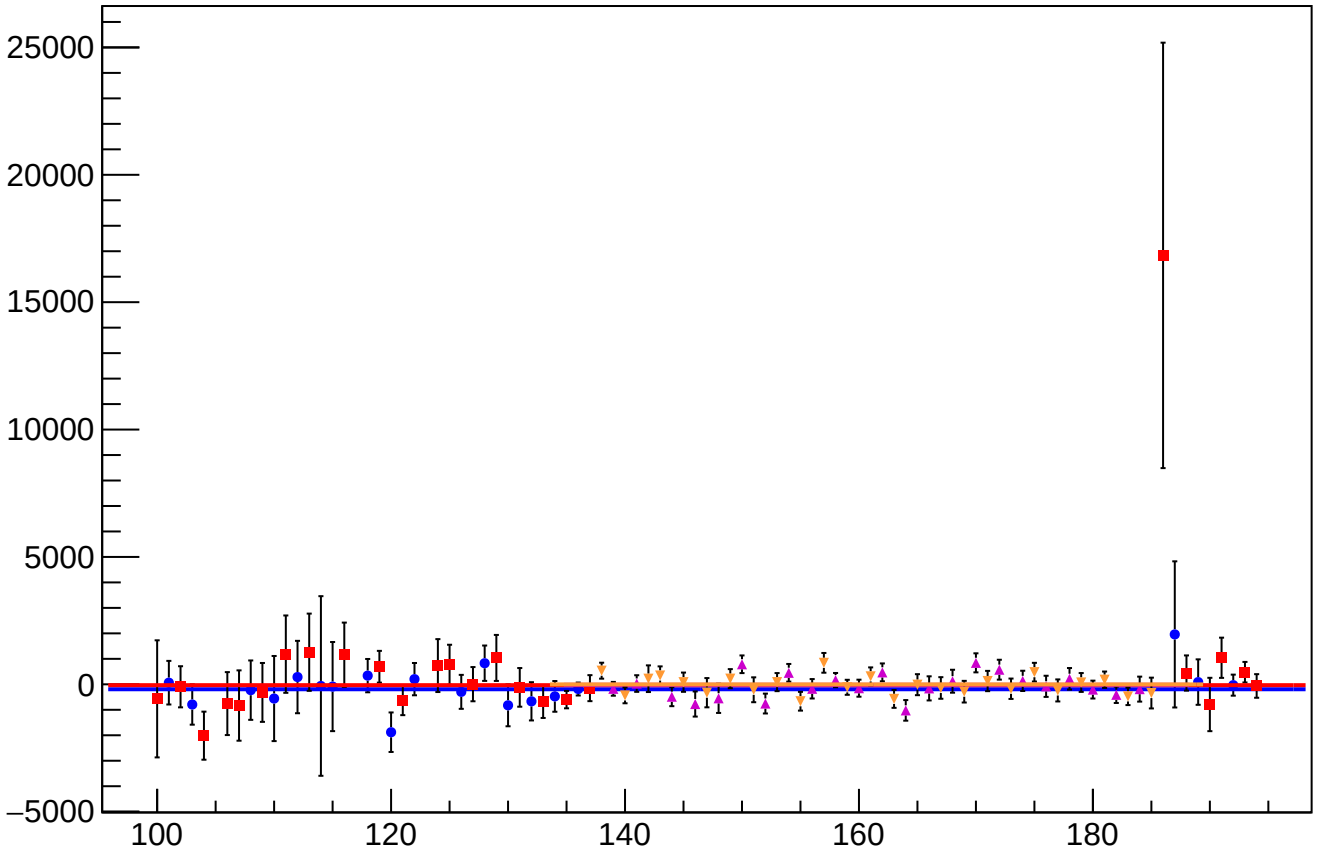
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 79.777+/-0.013 χ^2/NDF: 2463835.8/43

In: 79.878+/-0.011 χ^2/NDF:972044.5/41

Out: 79.679+/-0.010 χ^2/NDF:1719537.8/49

All: 79.773+/-0.008 χ^2/NDF: 2691758.2/91



Right In: -193.696+/-149.861 χ^2/NDF: 10.8/18

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -33.487+/-141.574 χ^2/NDF: 25.3/24

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

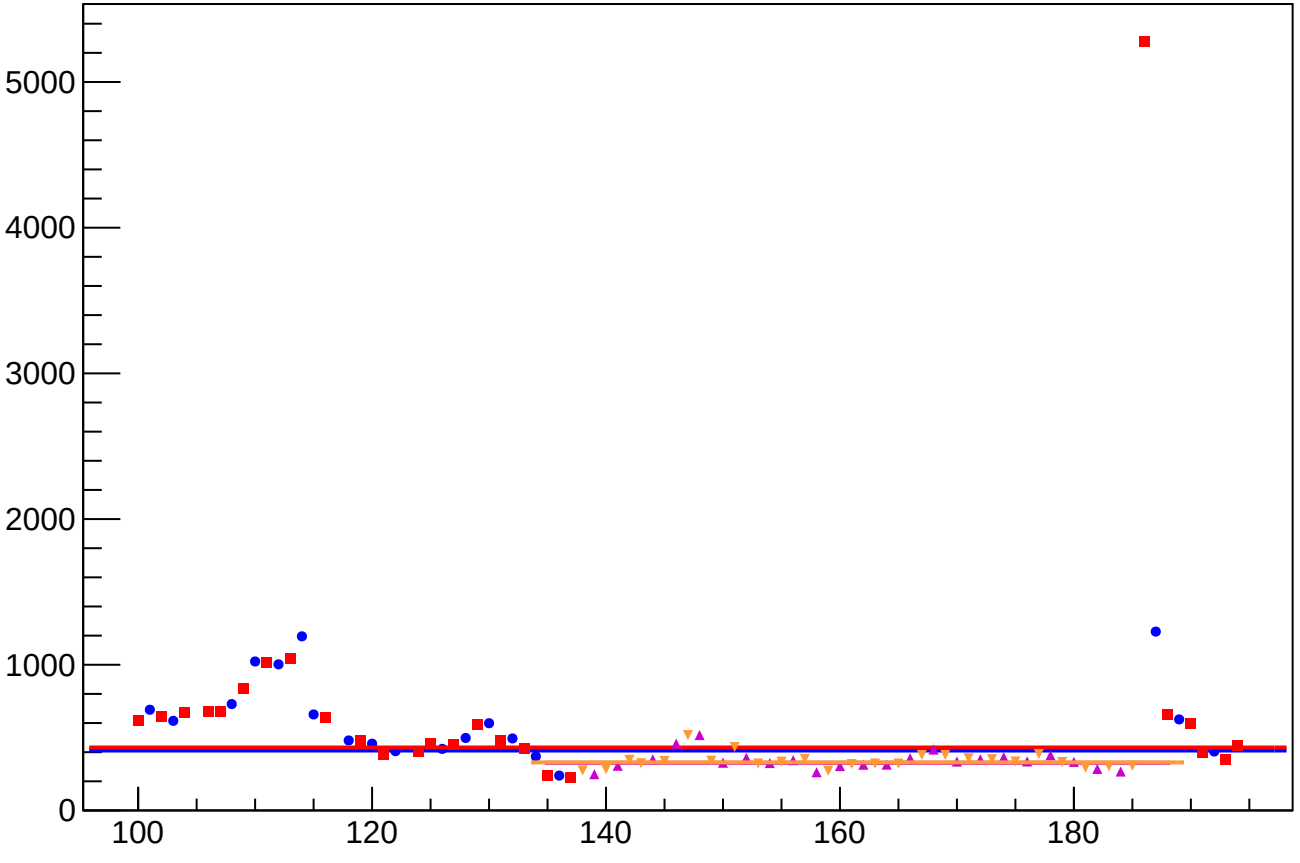
Right: -109.039+/-102.913 χ^2/NDF: 36.7/43

In: -56.128+/-68.868 χ^2/NDF:46.9/41

Out: -10.169+/-66.868 χ^2/NDF:49.4/49

All: -32.472+/-47.974 χ^2/NDF: 96.5/91

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 411.441+/-0.106 χ^2/NDF: 2642823.5/18

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 432.067+/-0.100 χ^2/NDF: 3399864.0/24

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

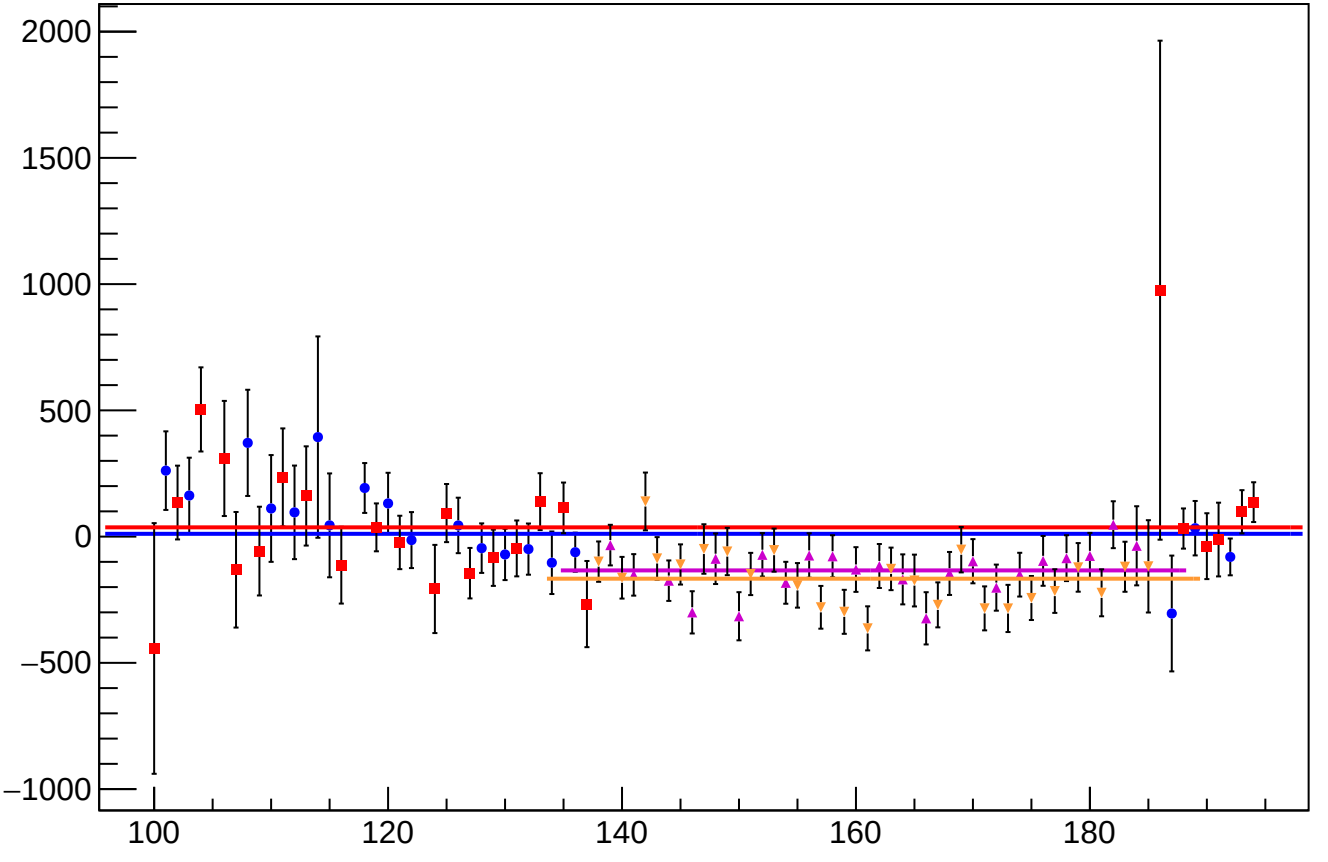
Right: 422.340+/-0.073 χ^2/NDF: 6062706.3/43

In: 344.804+/-0.049 χ^2/NDF:4043472.3/41

Out: 352.744+/-0.047 χ^2/NDF:4867235.3/49

All: 348.891+/-0.034 χ^2/NDF: 8924394.3/91

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 11.045+/-27.230 χ^2/NDF: 19.0/18

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 36.683+/-25.010 χ^2/NDF: 29.5/24

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

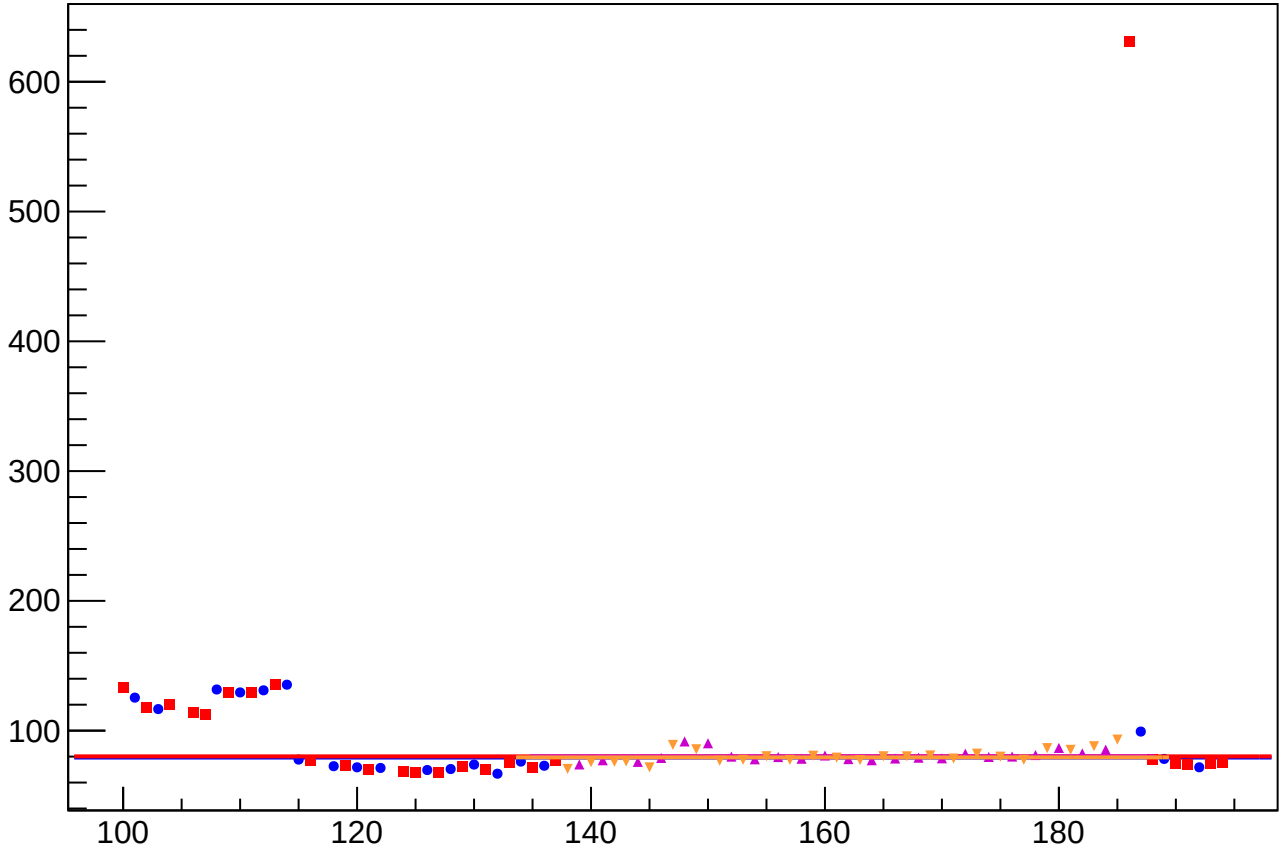
Right: 24.952+/-18.420 χ^2/NDF: 49.0/43

In: -87.227+/-15.446 χ^2/NDF:59.0/41

Out: -96.881+/-14.652 χ^2/NDF:104.6/49

All: -92.309+/-10.630 χ^2/NDF: 163.7/91

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 79.284+/-0.019 χ^2/NDF: 879172.2/18

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 80.182+/-0.018 χ^2/NDF: 1581474.7/24

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

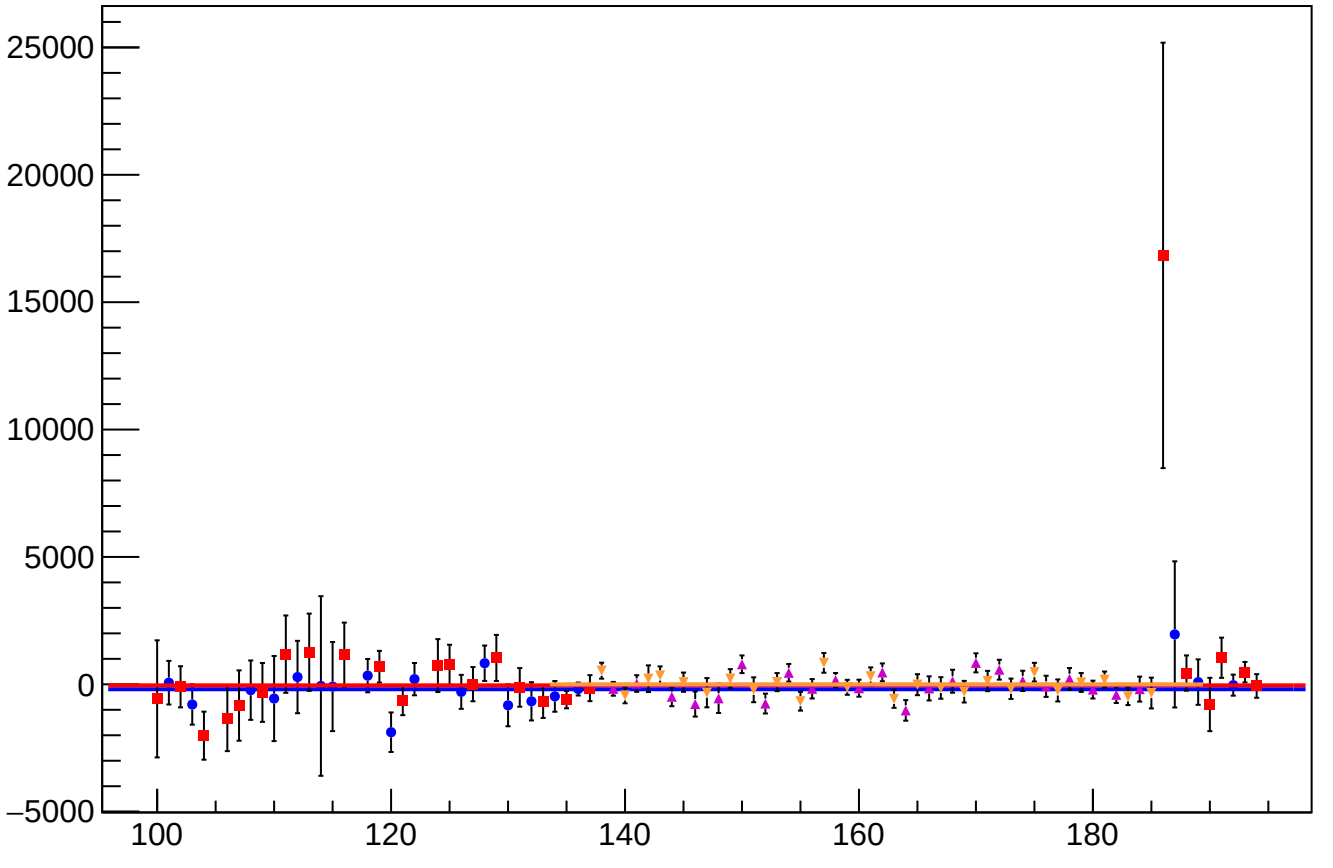
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 79.771+/-0.013 χ^2/NDF: 2461826.2/43

In: 79.878+/-0.011 χ^2/NDF:972044.7/41

Out: 79.675+/-0.010 χ^2/NDF:1717521.9/49

All: 79.771+/-0.008 χ^2/NDF: 2689748.6/91



Right In: -193.694+/-149.861 χ^2/NDF: 10.8/18

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -40.236+/-141.630 χ^2/NDF: 26.0/24

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

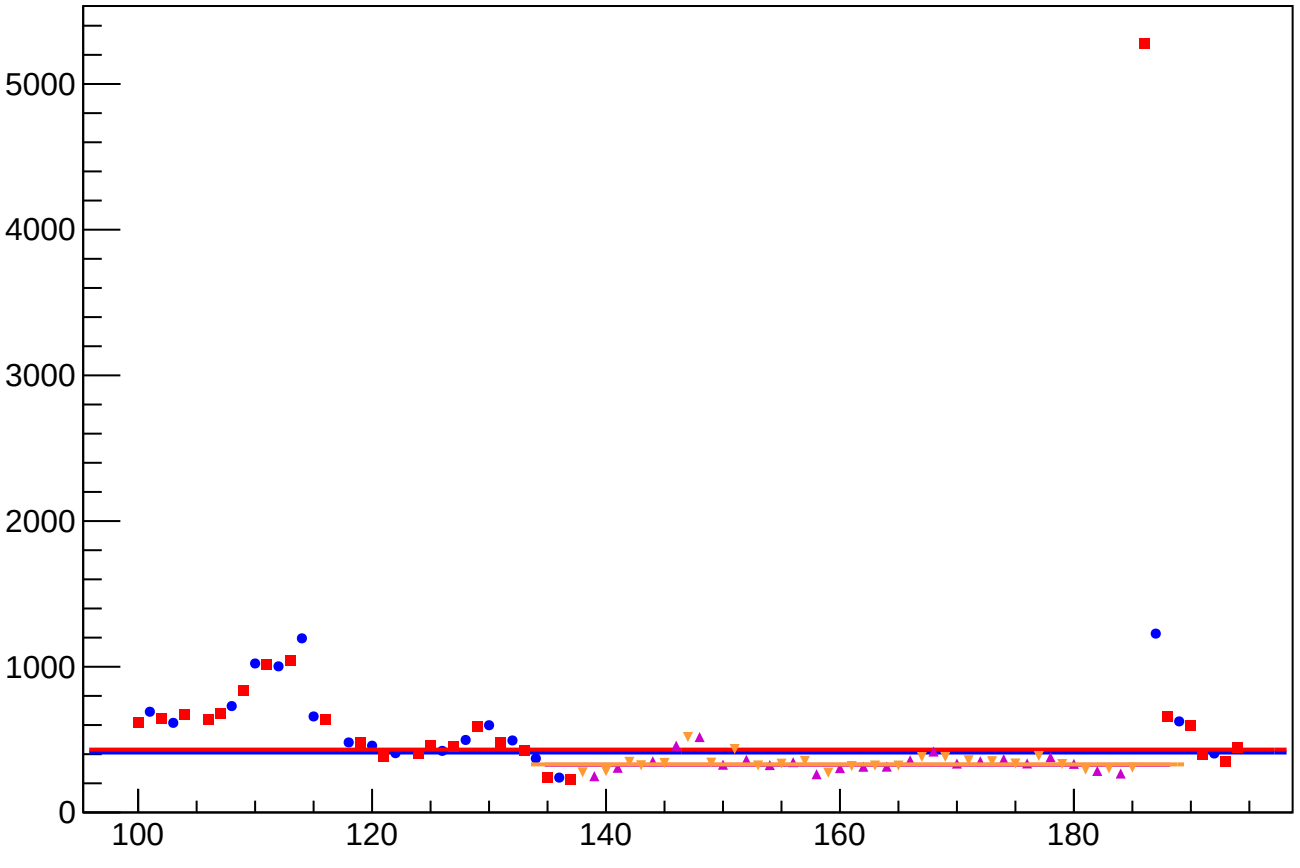
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -112.635+/-102.934 χ^2/NDF: 37.4/43

In: -56.133+/-68.868 χ^2/NDF:46.9/41

Out: -11.670+/-66.874 χ^2/NDF:50.1/49

All: -33.248+/-47.976 χ^2/NDF: 97.3/91



Right In: 411.441+/-0.106 χ^2/NDF: 2642818.0/18

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 431.387+/-0.100 χ^2/NDF: 3372947.1/24

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

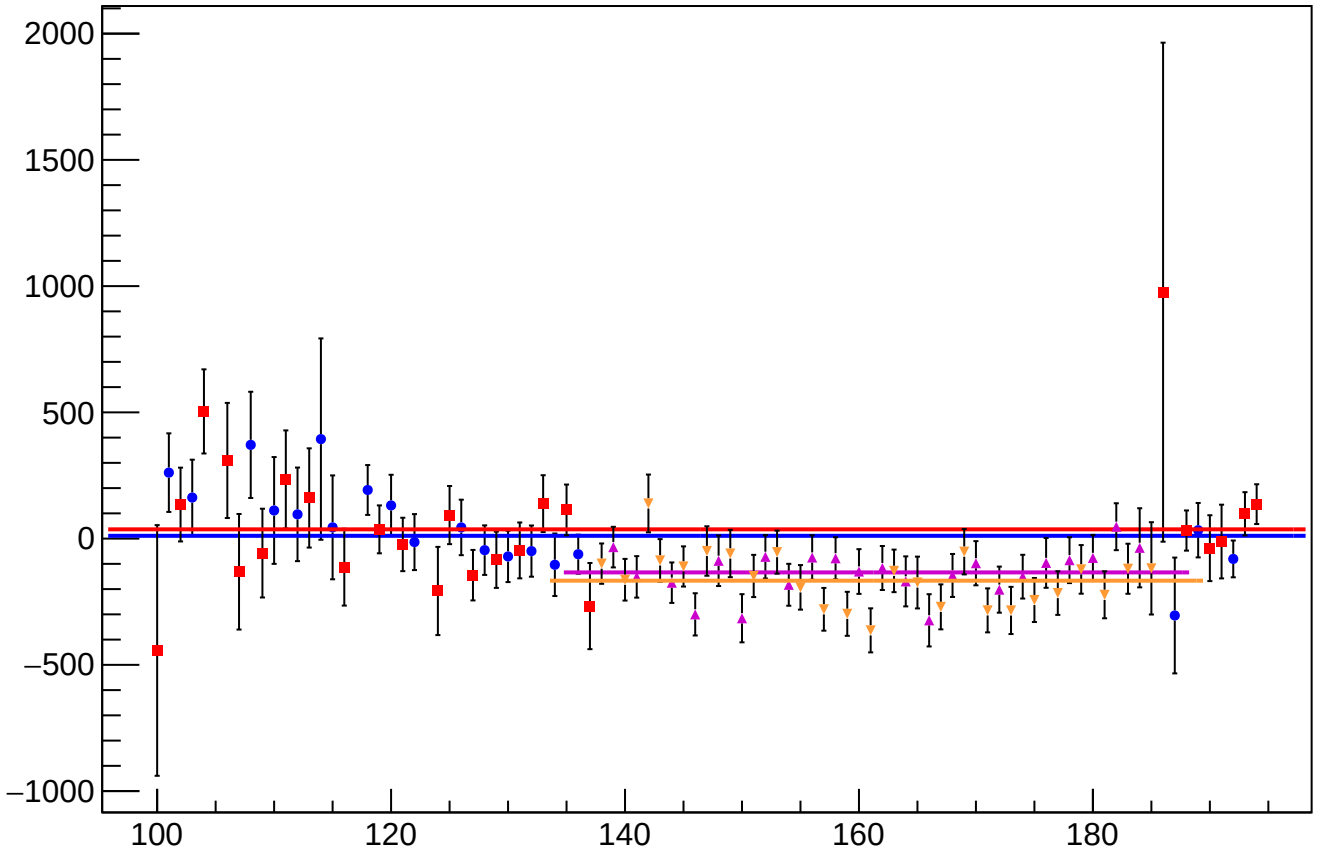
Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

Right: 421.977+/-0.073 χ^2/NDF: 6034478.8/43

In: 344.804+/-0.049 χ^2/NDF:4043472.1/41

Out: 352.579+/-0.047 χ^2/NDF:4829114.7/49

All: 348.805+/-0.034 χ^2/NDF: 8885707.3/91



Right In: 11.045+/-27.230 χ^2/NDF: 19.0/18

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 36.683+/-25.010 χ^2/NDF: 29.5/24

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

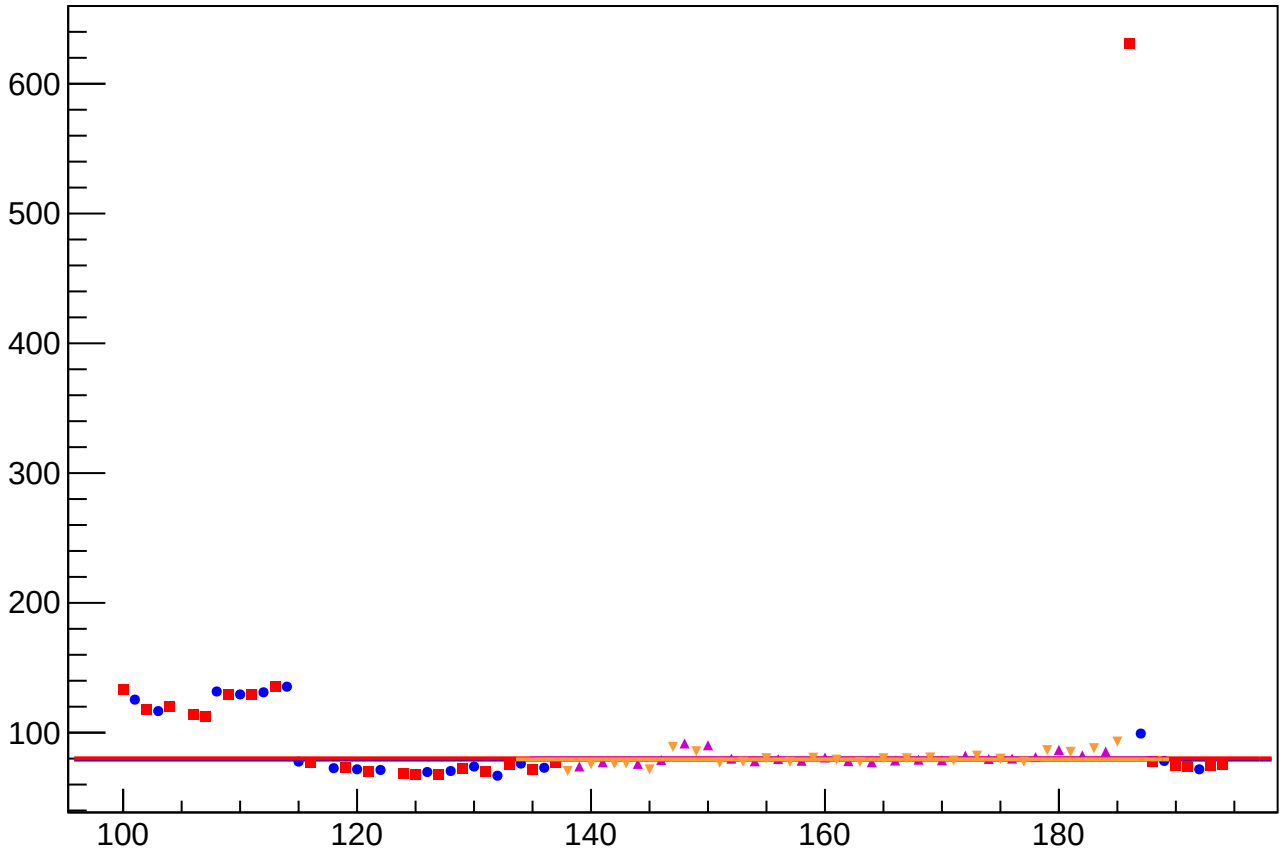
Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

Right: 24.952+/-18.420 χ^2/NDF: 49.0/43

In: -87.227+/-15.446 χ^2/NDF:59.0/41

Out: -96.881+/-14.652 χ^2/NDF:104.6/49

All: -92.309+/-10.630 χ^2/NDF: 163.7/91



Right In: 79.284+/-0.019 χ^2/NDF: 879172.2/18

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 80.182+/-0.018 χ^2/NDF: 1581474.7/24

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

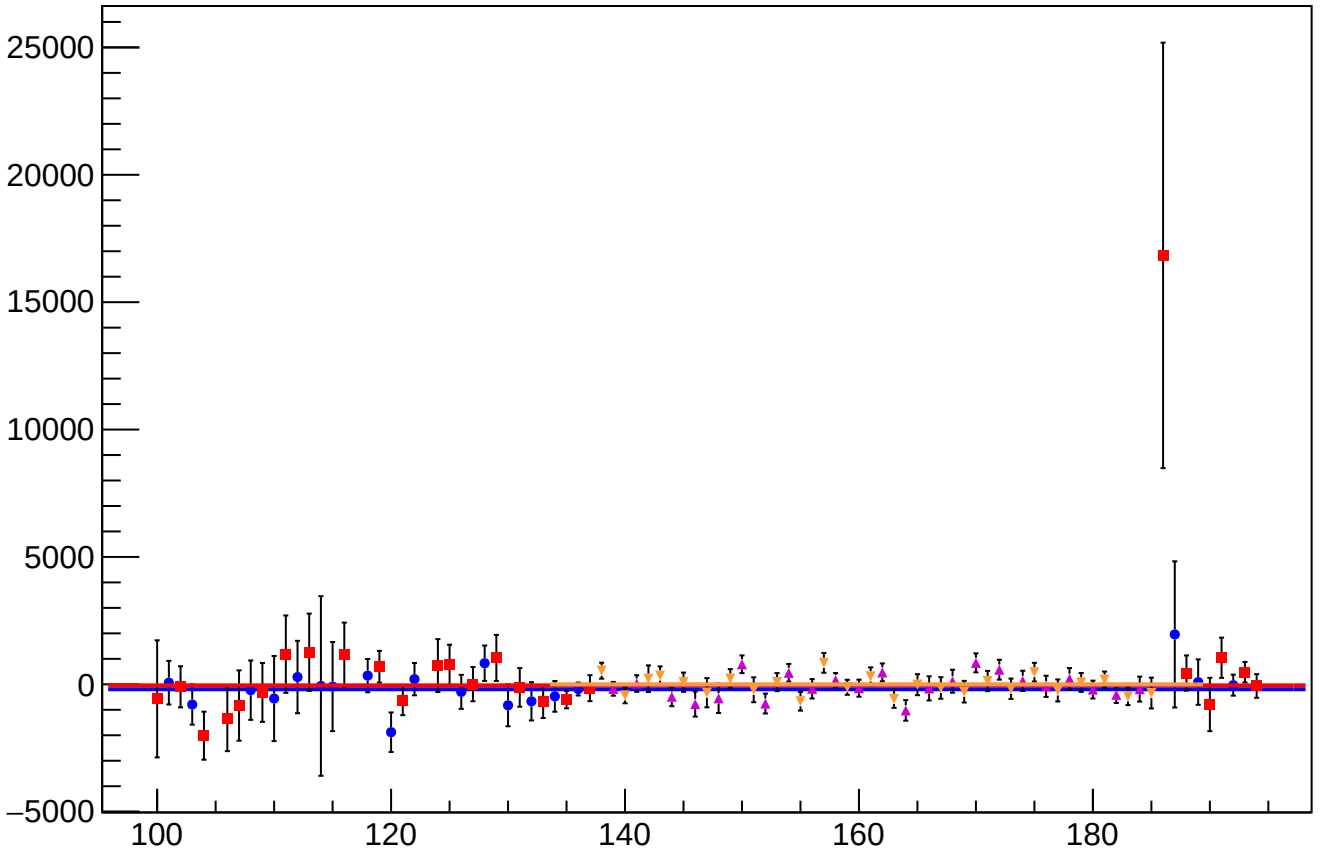
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 79.771+/-0.013 χ^2/NDF: 2461826.2/43

In: 79.878+/-0.011 χ^2/NDF:972044.7/41

Out: 79.675+/-0.010 χ^2/NDF:1717521.9/49

All: 79.771+/-0.008 χ^2/NDF: 2689748.6/91



Right In: -193.694+/-149.861 χ^2/NDF: 10.8/18

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -40.236+/-141.630 χ^2/NDF: 26.0/24

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

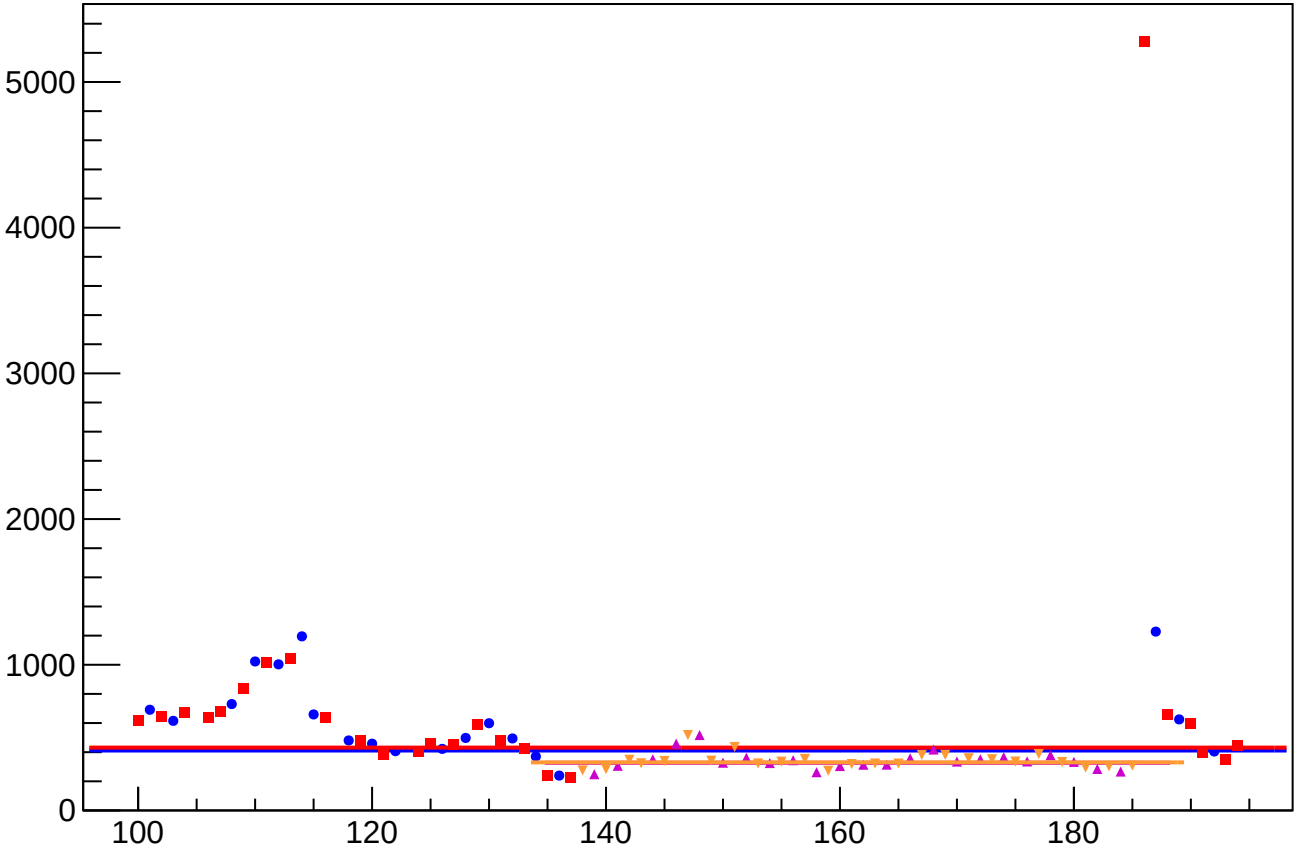
Right: -112.635+/-102.934 χ^2/NDF: 37.4/43

In: -56.133+/-68.868 χ^2/NDF:46.9/41

Out: -11.670+/-66.874 χ^2/NDF:50.1/49

All: -33.248+/-47.976 χ^2/NDF: 97.3/91

asym_sam1_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 411.441+/-0.106 χ^2/NDF: 2642818.0/18

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 431.387+/-0.100 χ^2/NDF: 3372947.1/24

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

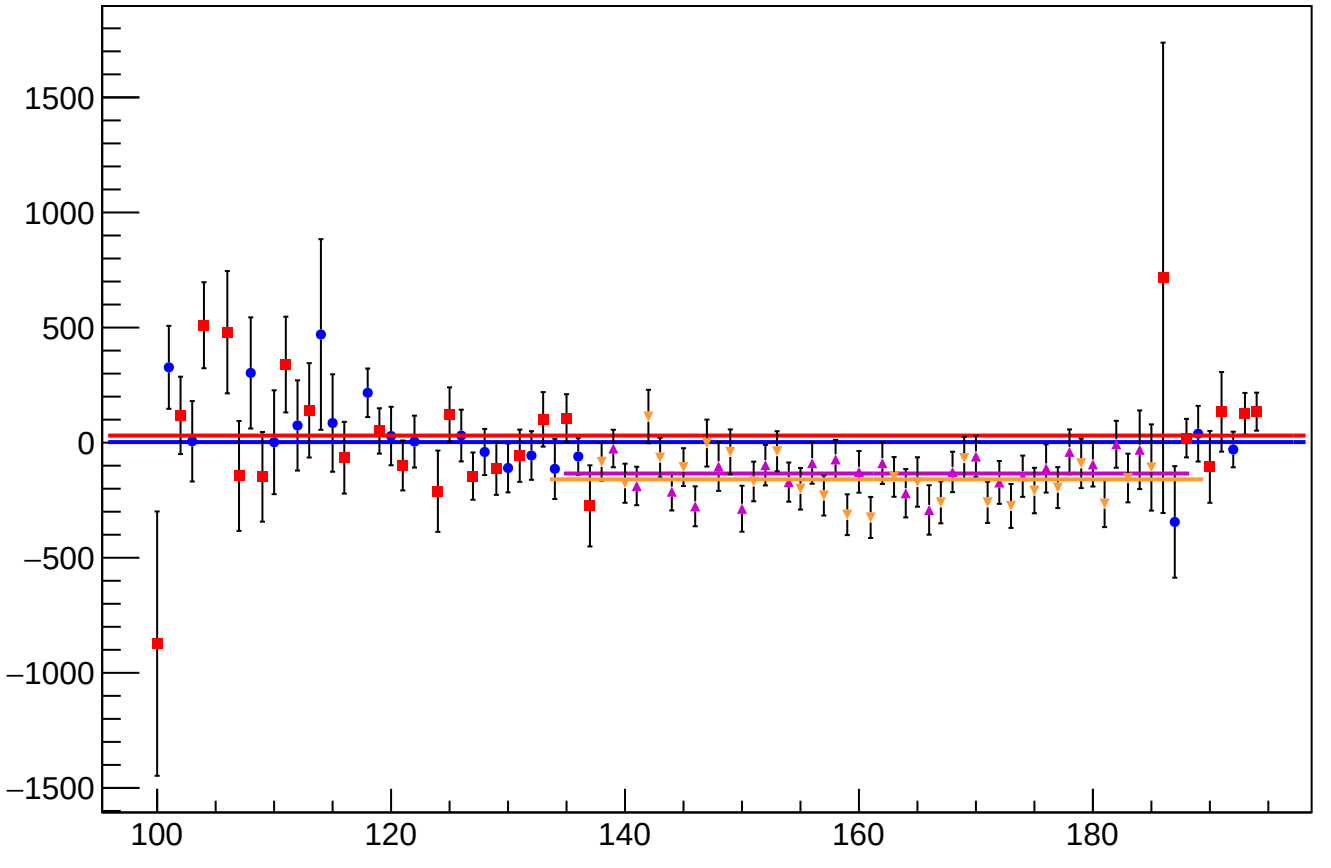
Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

Right: 421.977+/-0.073 χ^2/NDF: 6034478.8/43

In: 344.804+/-0.049 χ^2/NDF:4043472.1/41

Out: 352.579+/-0.047 χ^2/NDF:4829114.7/49

All: 348.805+/-0.034 χ^2/NDF: 8885707.3/91



Right In: 2.456+/-28.731 χ^2/NDF: 15.9/18

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 30.796+/-26.381 χ^2/NDF: 33.6/24

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

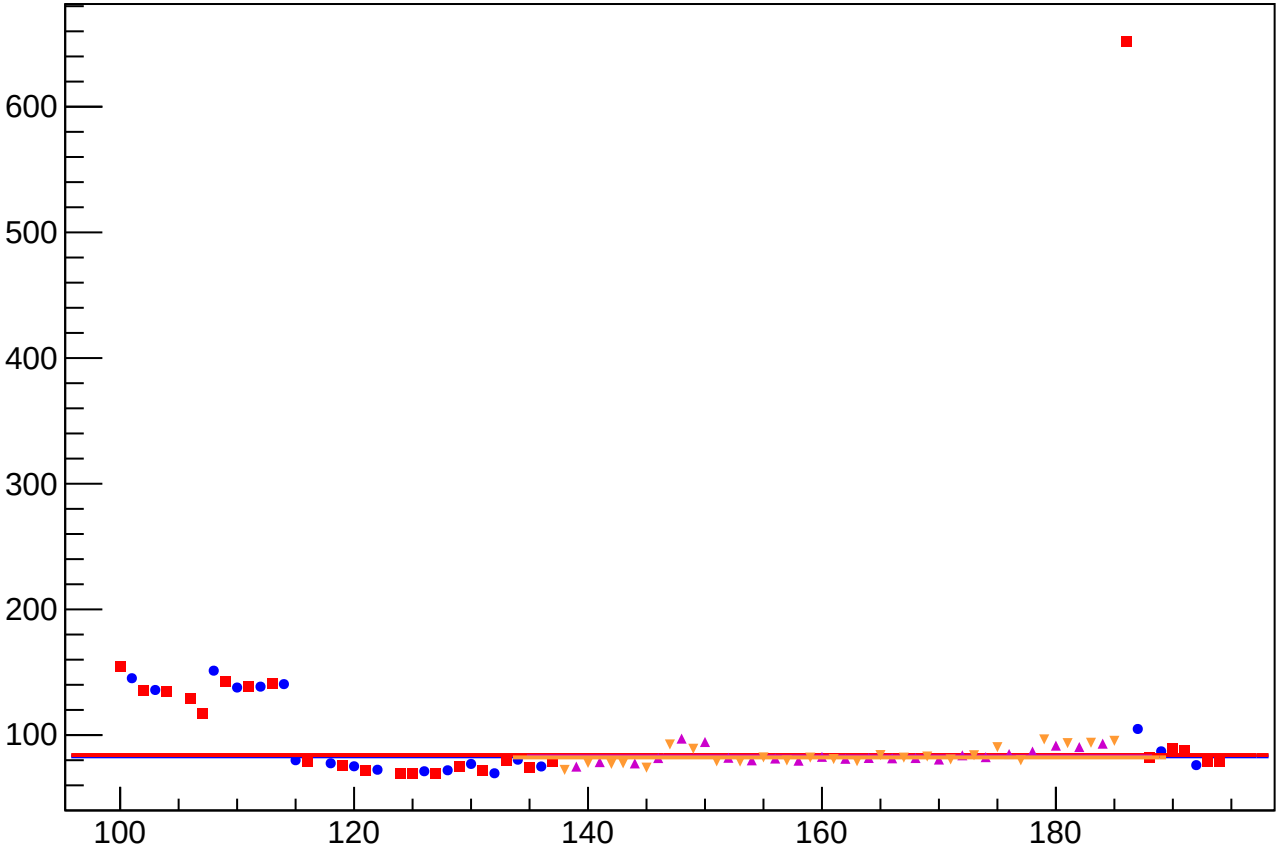
Right: 17.832+/-19.432 χ^2/NDF: 50.1/43

In: -91.152+/-16.101 χ^2/NDF:47.8/41

Out: -95.454+/-15.283 χ^2/NDF:96.3/49

All: -93.415+/-11.085 χ^2/NDF: 144.1/91

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.101+/-0.020 χ^2/NDF: 1070123.5/18

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 84.119+/-0.019 χ^2/NDF: 1757855.1/24

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

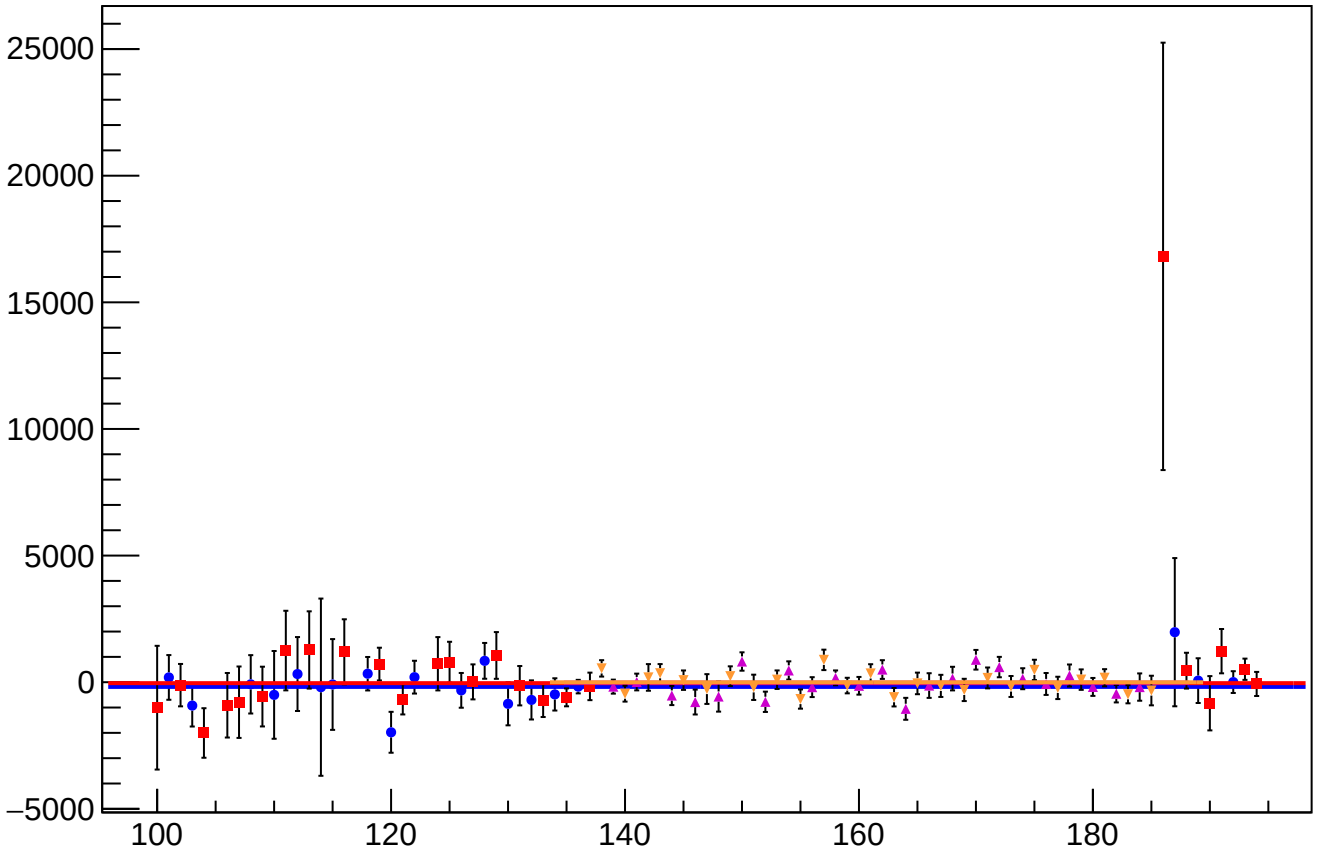
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 83.653+/-0.014 χ^2/NDF: 2829340.0/43

In: 83.027+/-0.011 χ^2/NDF:1215751.5/41

Out: 82.875+/-0.011 χ^2/NDF:1981091.2/49

All: 82.947+/-0.008 χ^2/NDF: 3196936.0/91



Right In: -185.180+/-155.502 χ^2/NDF: 11.3/18

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: -37.154+/-146.577 χ^2/NDF: 25.5/24

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

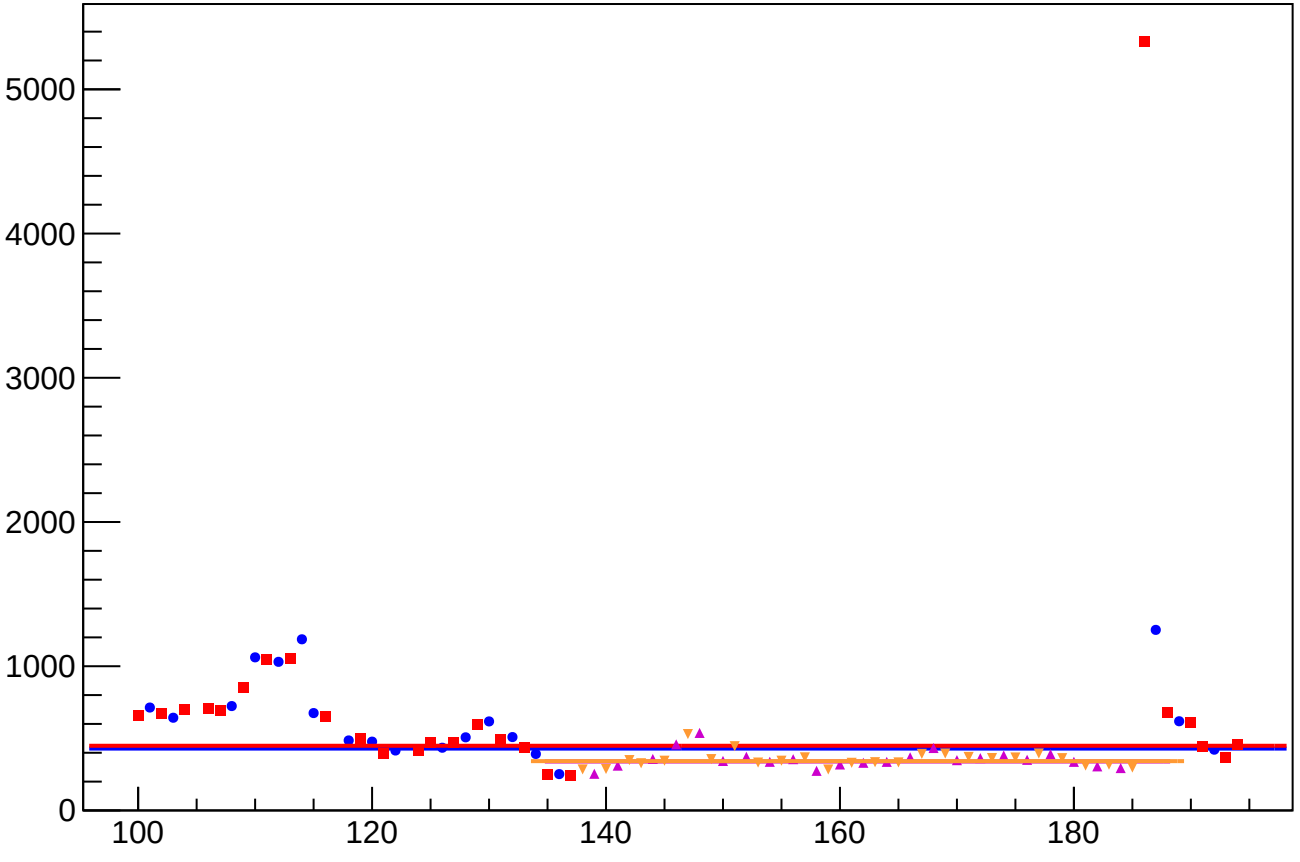
Right: -106.797+/-106.661 χ^2/NDF: 37.3/43

In: -52.102+/-71.425 χ^2/NDF:47.1/41

Out: -10.698+/-69.257 χ^2/NDF:49.1/49

All: -30.762+/-49.721 χ^2/NDF: 96.4/91

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



Right In: 428.969+/-0.110 χ^2/NDF: 2510704.9/18

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 448.549+/-0.104 χ^2/NDF: 3312461.9/24

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

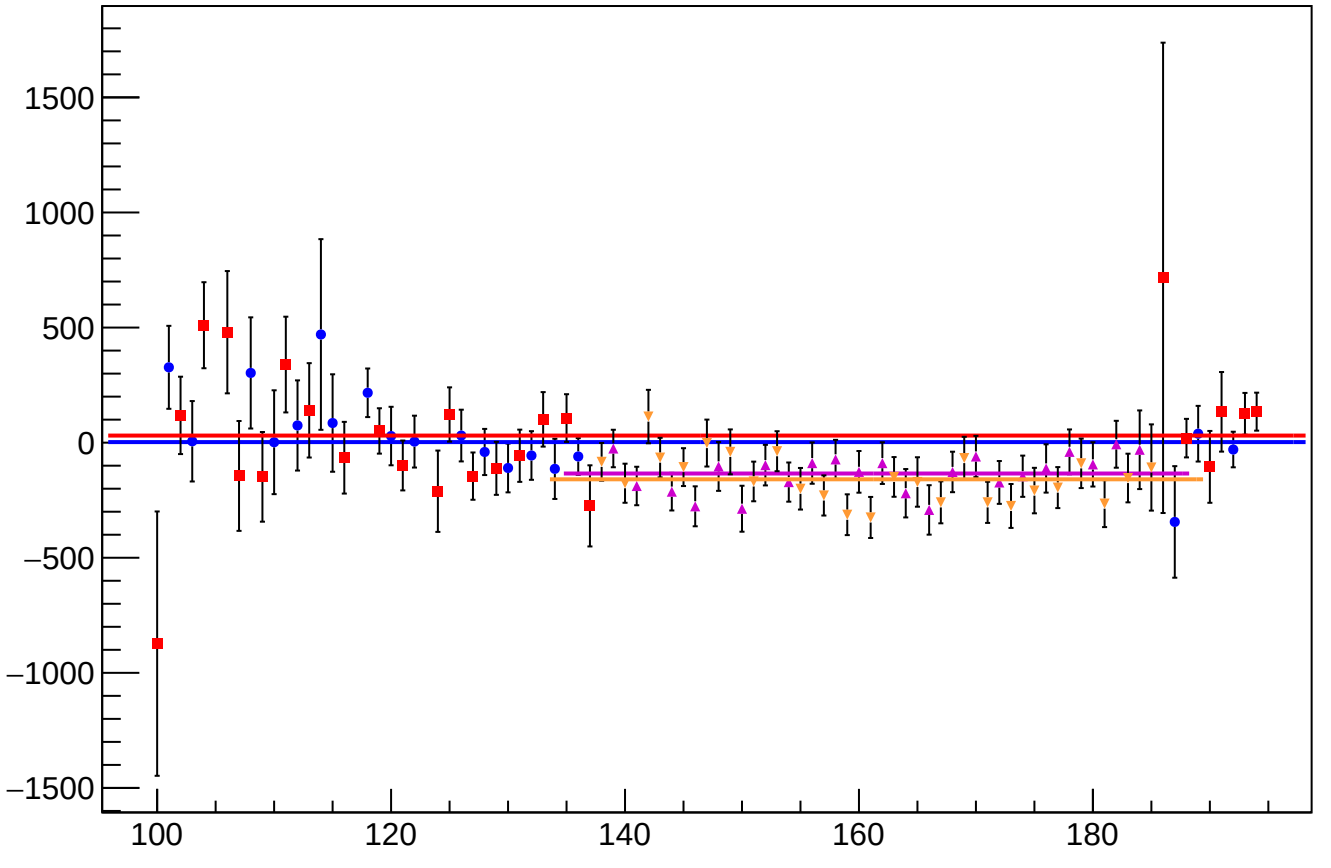
Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

Right: 439.337+/-0.075 χ^2/NDF: 5839956.1/43

In: 358.320+/-0.051 χ^2/NDF:3880626.1/41

Out: 365.723+/-0.049 χ^2/NDF:4788534.6/49

All: 362.136+/-0.035 χ^2/NDF: 8680233.5/91



Right In: 2.456+/-28.731 χ^2/NDF: 15.9/18

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 30.796+/-26.381 χ^2/NDF: 33.6/24

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

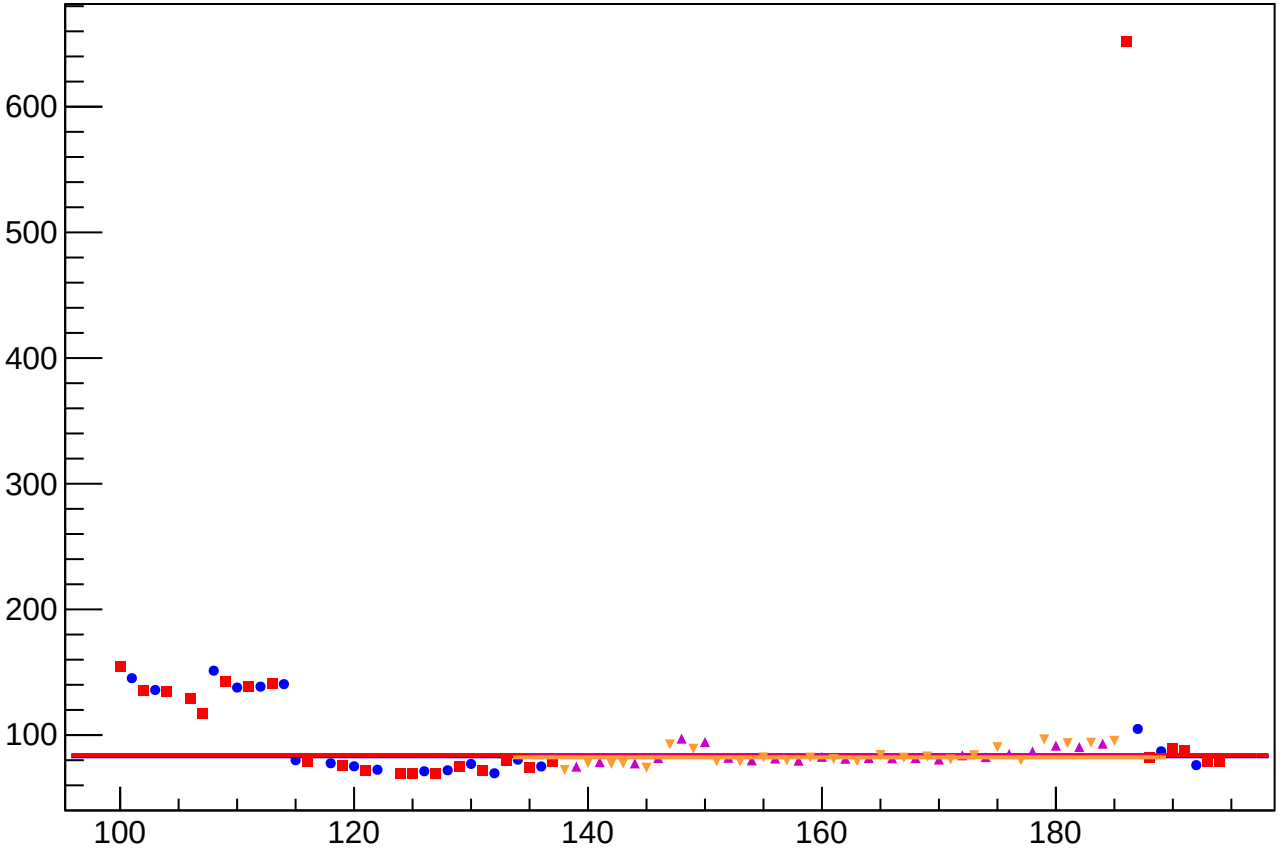
Right: 17.832+/-19.432 χ^2/NDF: 50.1/43

In: -91.152+/-16.101 χ^2/NDF:47.8/41

Out: -95.454+/-15.283 χ^2/NDF:96.3/49

All: -93.415+/-11.085 χ^2/NDF: 144.1/91

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.101+/-0.020 χ^2/NDF: 1070124.1/18

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 84.119+/-0.019 χ^2/NDF: 1757854.7/24

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

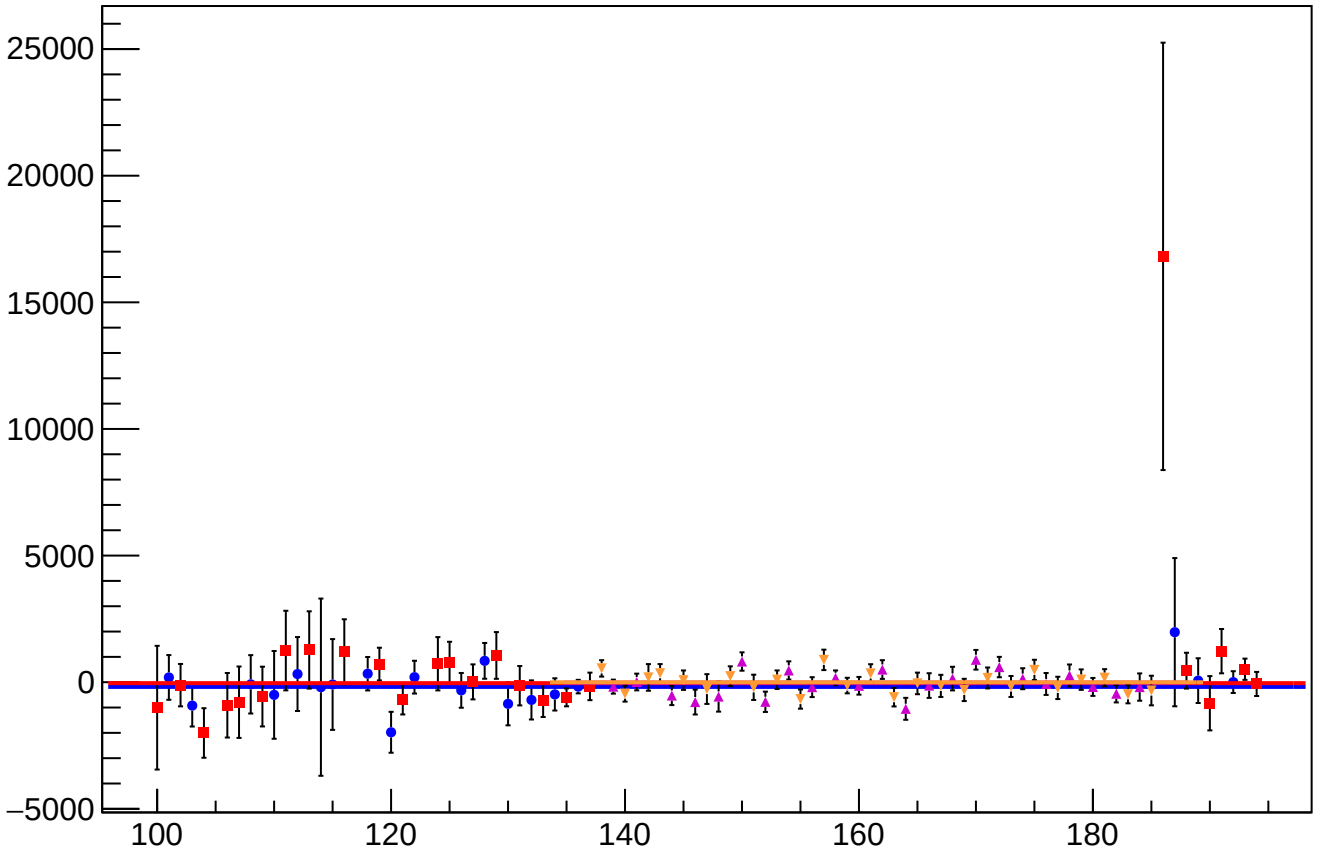
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 83.653+/-0.014 χ^2/NDF: 2829340.1/43

In: 83.027+/-0.011 χ^2/NDF:1215750.5/41

Out: 82.875+/-0.011 χ^2/NDF:1981090.2/49

All: 82.947+/-0.008 χ^2/NDF: 3196934.1/91



Right In: -185.178+/-155.502 χ^2/NDF: 11.3/18

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: -37.154+/-146.577 χ^2/NDF: 25.5/24

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

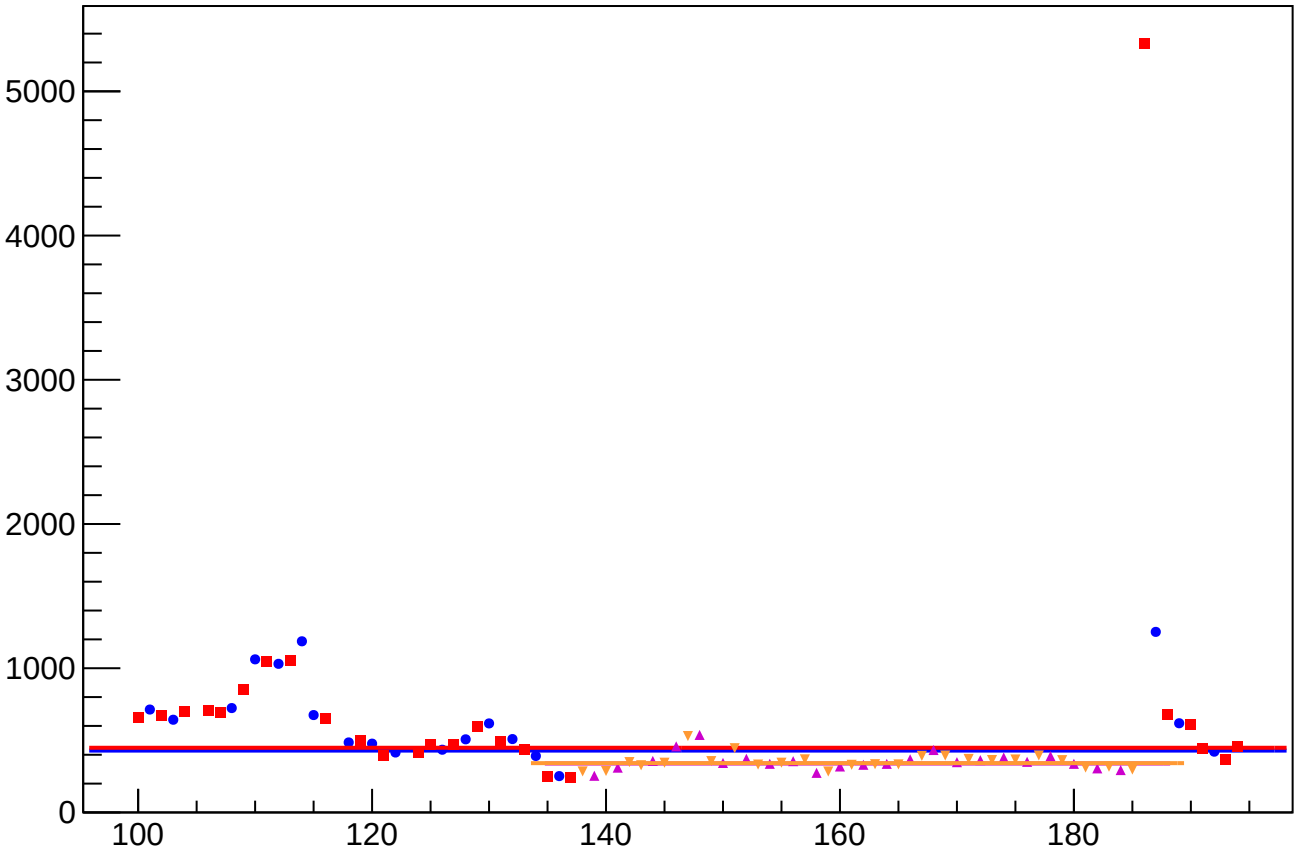
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -106.797+/-106.661 χ^2/NDF: 37.3/43

In: -52.102+/-71.425 χ^2/NDF:47.1/41

Out: -10.698+/-69.257 χ^2/NDF:49.1/49

All: -30.762+/-49.721 χ^2/NDF: 96.4/91



Right In: 428.969+/-0.110 χ^2/NDF: 2510710.0/18

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 448.548+/-0.104 χ^2/NDF: 3312469.8/24

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

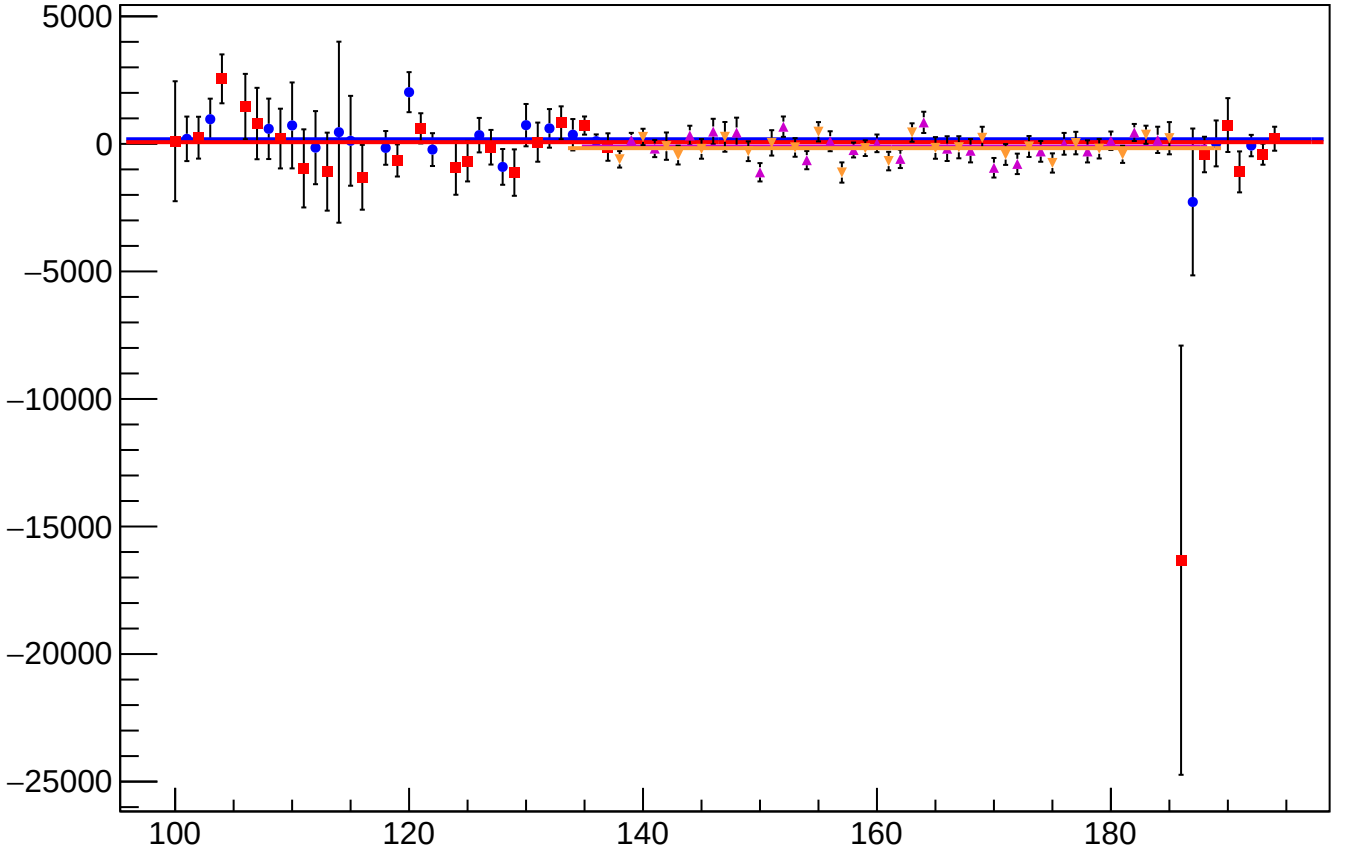
Right: 439.336+/-0.075 χ^2/NDF: 5839968.9/43

In: 358.320+/-0.051 χ^2/NDF:3880627.6/41

Out: 365.723+/-0.049 χ^2/NDF:4788532.1/49

All: 362.136+/-0.035 χ^2/NDF: 8680232.3/91

asym_sam1_mean vs Slug, Sign Corrected



Right In: 181.246+/-153.610 χ^2/NDF: 11.9/18

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: 67.391+/-144.792 χ^2/NDF: 29.2/24

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

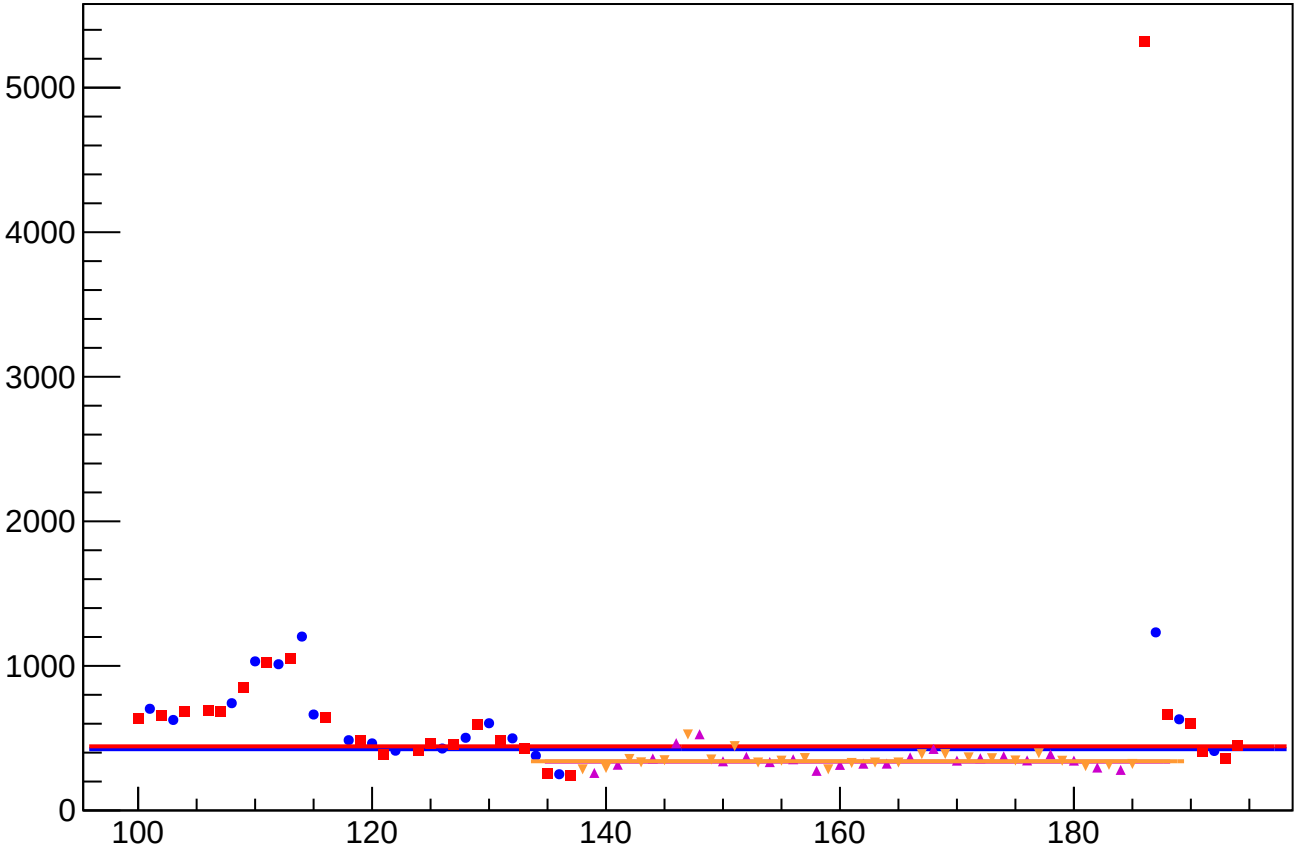
Right: 120.956+/-105.363 χ^2/NDF: 41.4/43

In: -43.158+/-70.951 χ^2/NDF:52.1/41

Out: -114.386+/-68.792 χ^2/NDF:56.8/49

All: -79.872+/-49.389 χ^2/NDF: 109.4/91

asym_sam1_rms vs Slug, Sign Corrected



Right In: 423.821+/-0.109 χ^2/NDF: 2493475.8/18

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 443.516+/-0.102 χ^2/NDF: 3246321.3/24

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

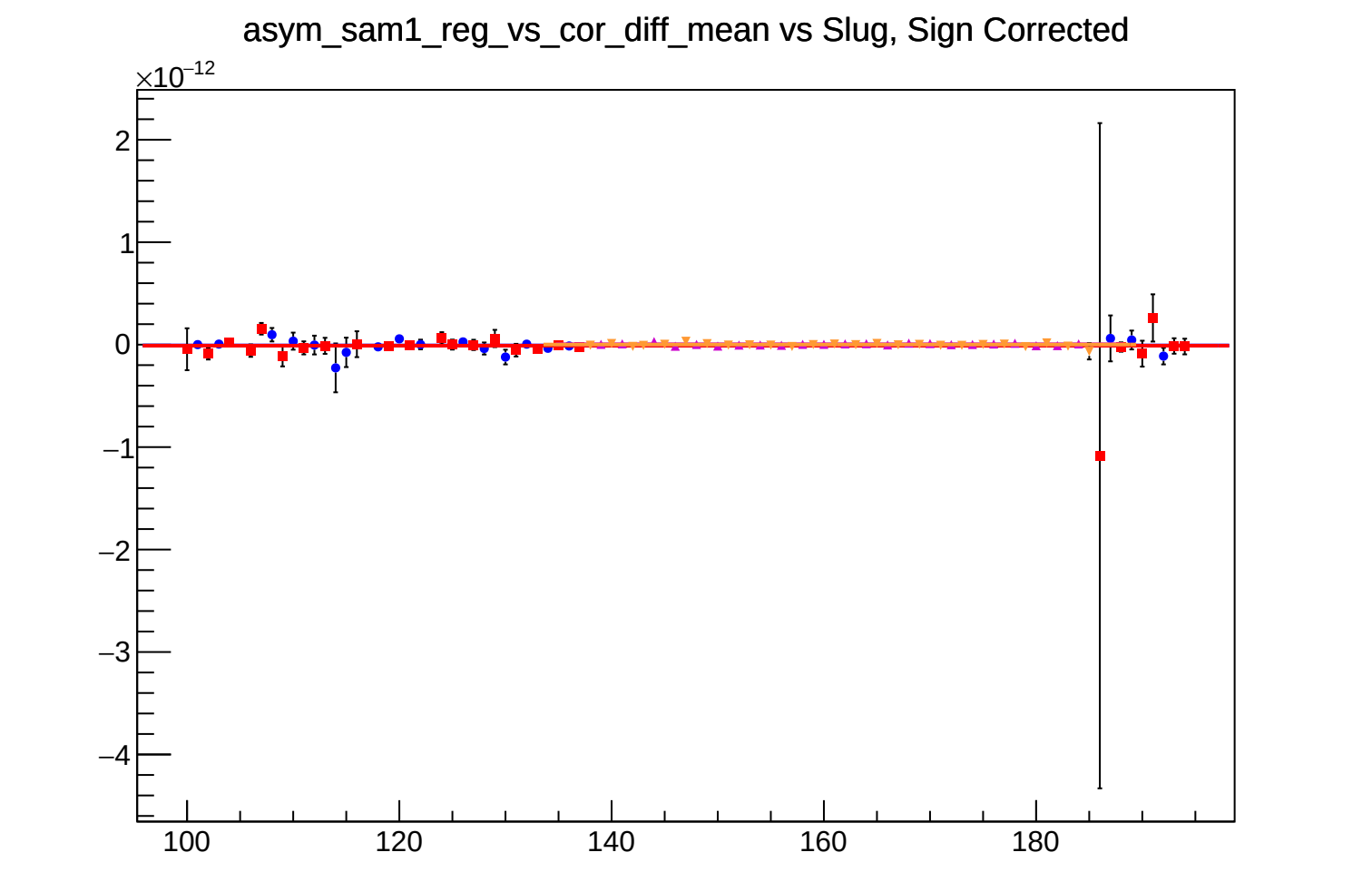
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

Right: 434.250+/-0.075 χ^2/NDF: 5757205.7/43

In: 356.119+/-0.050 χ^2/NDF:3808010.4/41

Out: 363.669+/-0.049 χ^2/NDF:4636000.2/49

All: 360.011+/-0.035 χ^2/NDF: 8455683.2/91



Right In: -0.000+/-0.000 χ^2/NDF: 16.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/24

Left In: 0.000+/-0.000 χ^2/NDF:11.9/22

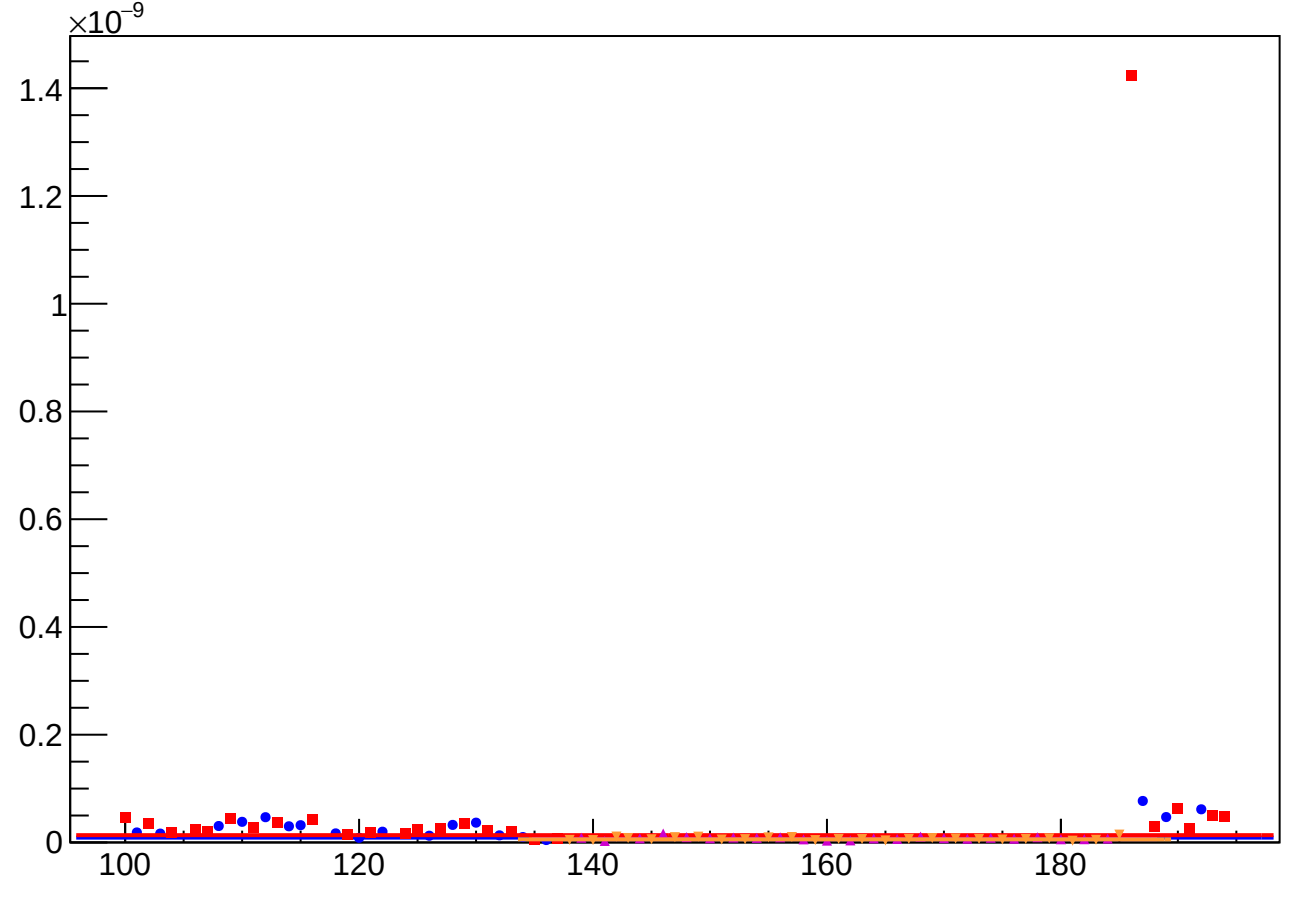
Left: 0.000+/-0.000 χ^2/NDF: 28.7/47

Right: -0.000+/-0.000 χ^2/NDF: 35.2/43

In: 0.000+/-0.000 χ^2/NDF:31.9/41

Out: 0.000+/-0.000 χ^2/NDF:36.3/49

All: 0.000+/-0.000 χ^2/NDF: 68.5/91



Right In: 0.000+/-0.000 χ^2/NDF: 4143562.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4667223.3/24

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

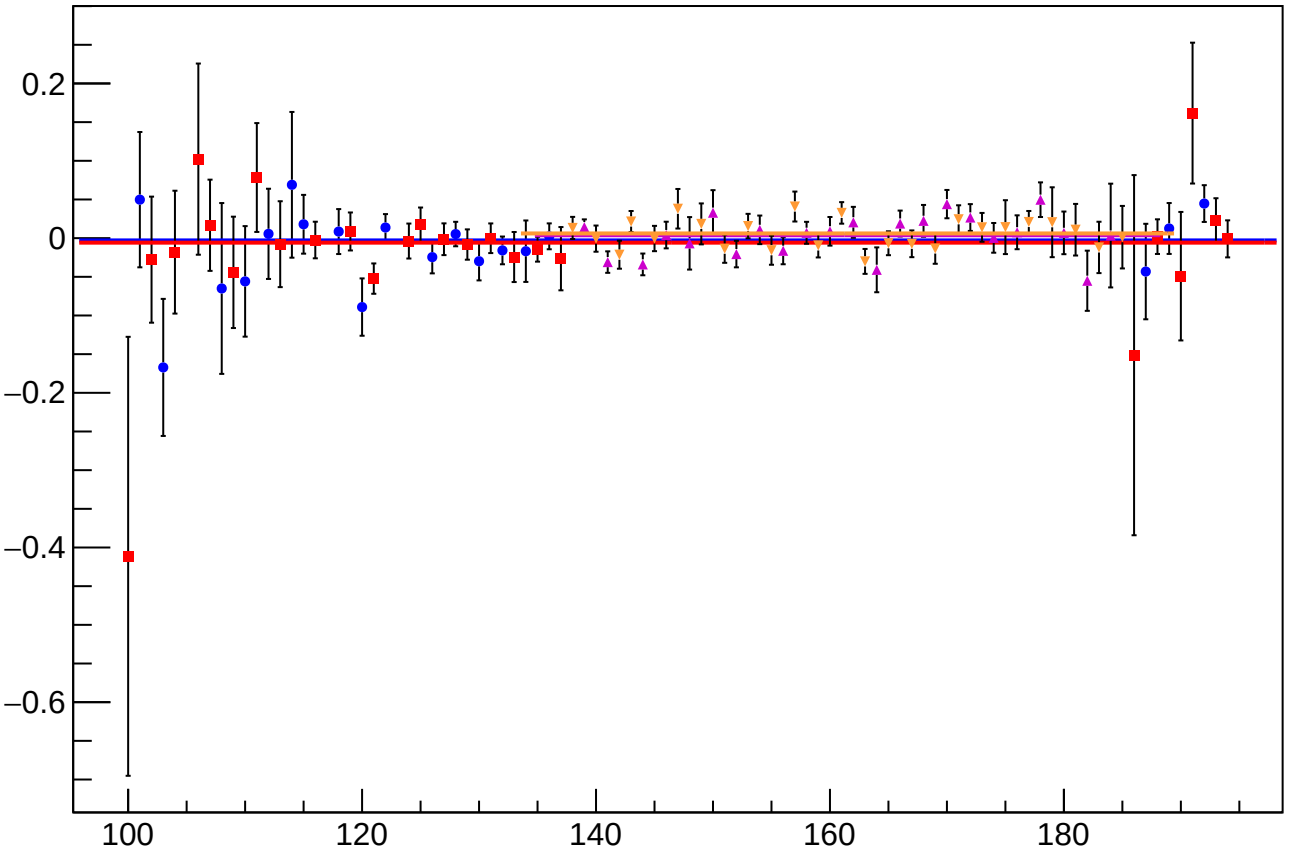
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 9225855.7/43

In: 0.000+/-0.000 χ^2/NDF:6451923.9/41

Out: 0.000+/-0.000 χ^2/NDF:7575696.6/49

All: 0.000+/-0.000 χ^2/NDF: 14037153.9/91



Right In: -0.003+/-0.006 χ^2/NDF: 20.0/18

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.006+/-0.006 χ^2/NDF: 18.1/24

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

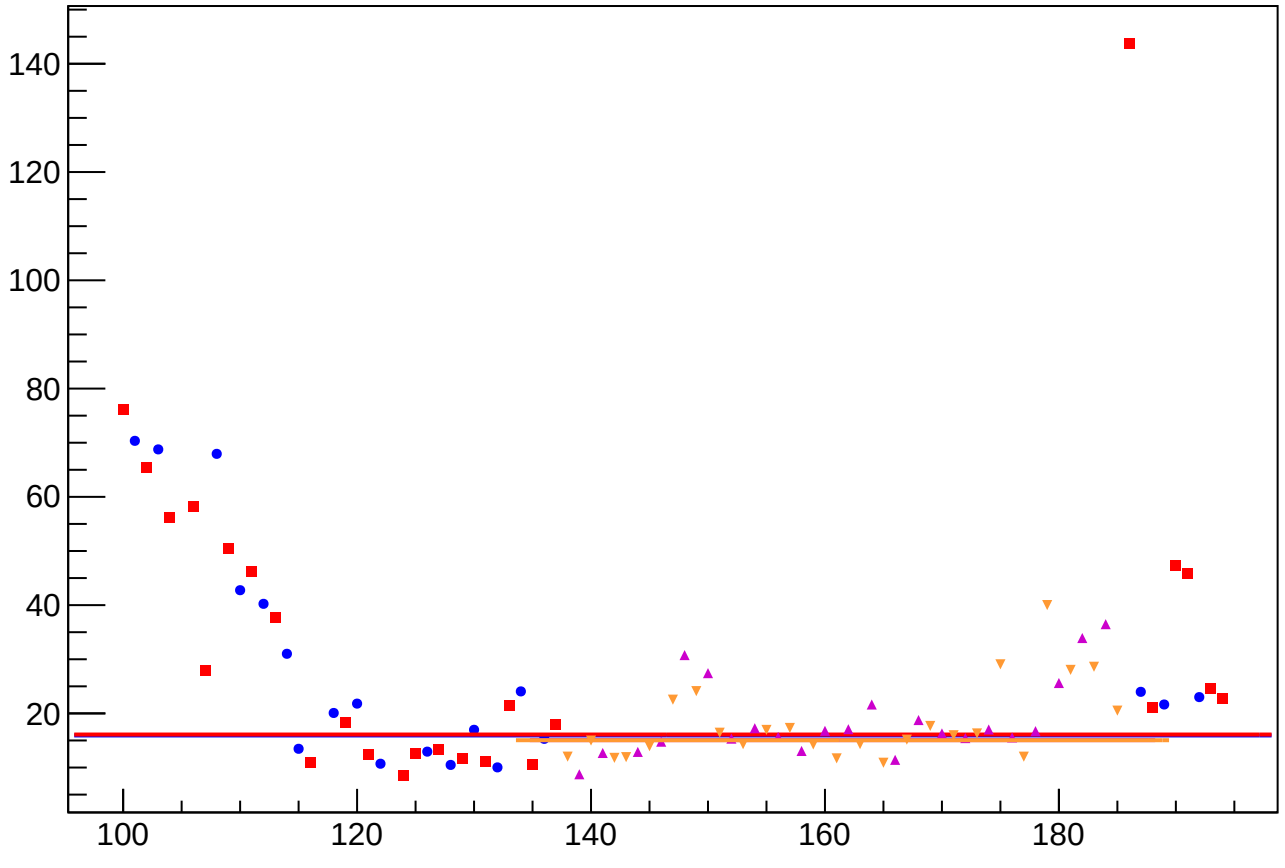
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.005+/-0.004 χ^2/NDF: 38.2/43

In: 0.002+/-0.003 χ^2/NDF:57.9/41

Out: 0.003+/-0.003 χ^2/NDF:47.8/49

All: 0.002+/-0.002 χ^2/NDF: 105.7/91



Right In: 15.929+/-0.004 χ^2/NDF: 3746142.1/18

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.098+/-0.004 χ^2/NDF: 5317756.2/24

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

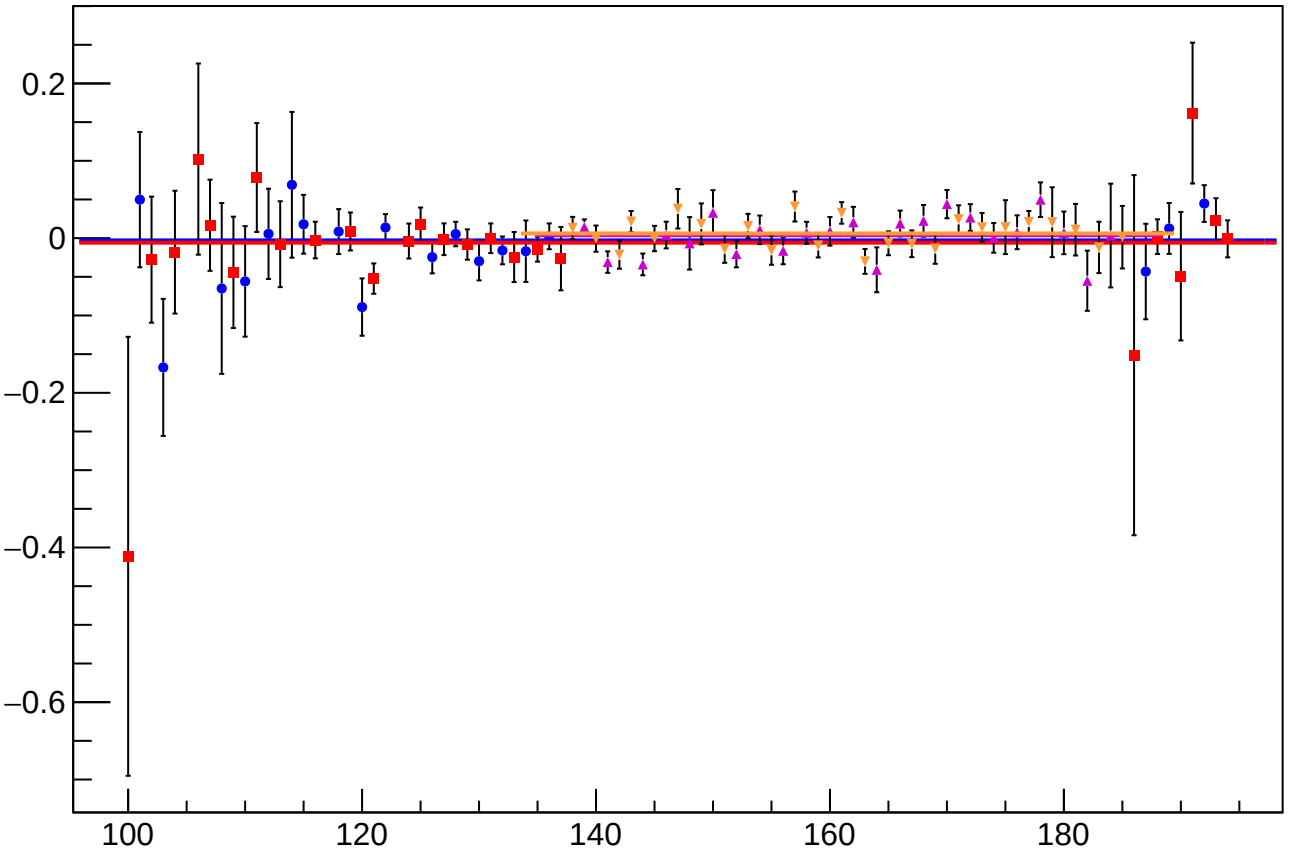
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 16.021+/-0.003 χ^2/NDF: 9064677.8/43

In: 15.299+/-0.002 χ^2/NDF:6839849.1/41

Out: 15.349+/-0.002 χ^2/NDF:8122763.2/49

All: 15.325+/-0.002 χ^2/NDF: 14962852.8/91



Right In: -0.003+/-0.006 χ^2/NDF: 20.0/18

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.006+/-0.006 χ^2/NDF: 18.1/24

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

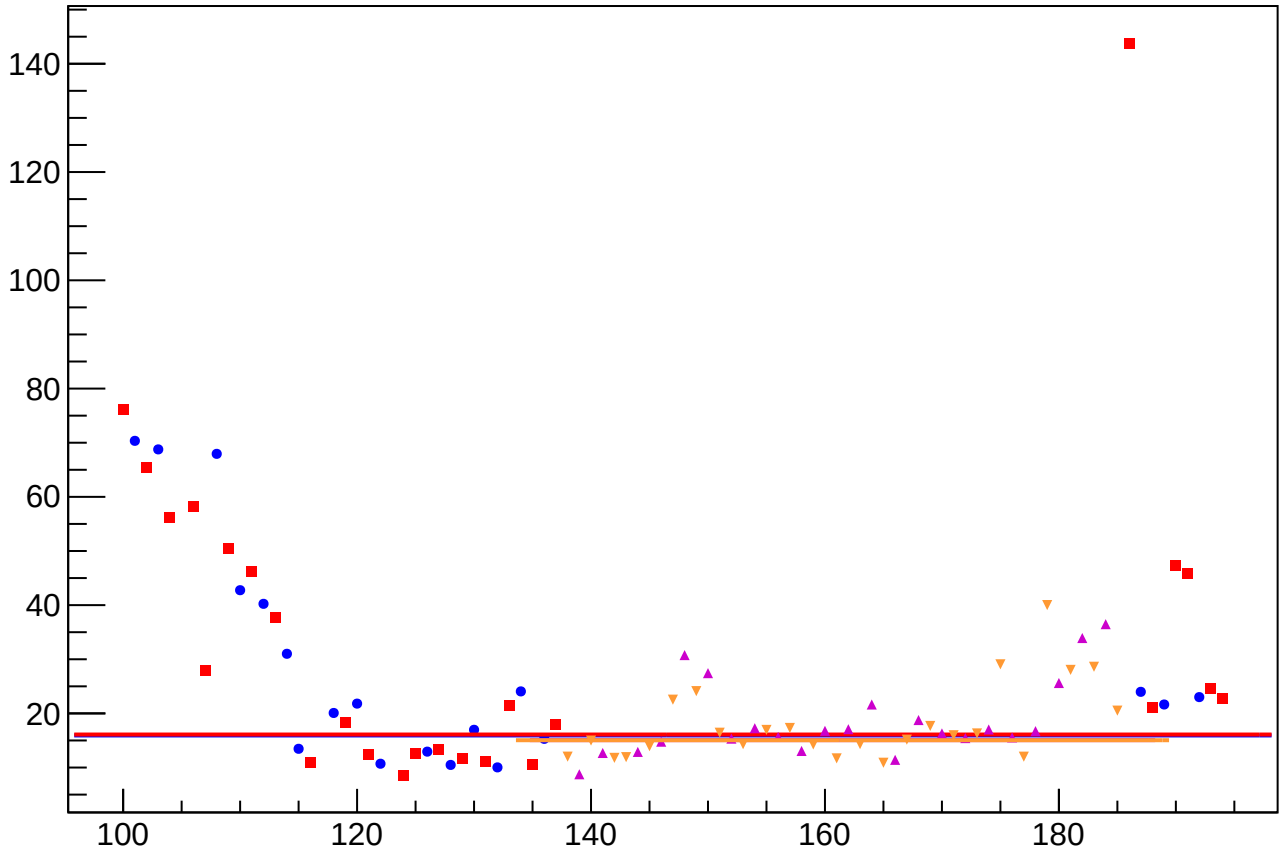
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.005+/-0.004 χ^2/NDF: 38.2/43

In: 0.002+/-0.003 χ^2/NDF:57.9/41

Out: 0.003+/-0.003 χ^2/NDF:47.8/49

All: 0.002+/-0.002 χ^2/NDF: 105.7/91



Right In: 15.929+/-0.004 χ^2/NDF: 3746142.1/18

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.098+/-0.004 χ^2/NDF: 5317756.2/24

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

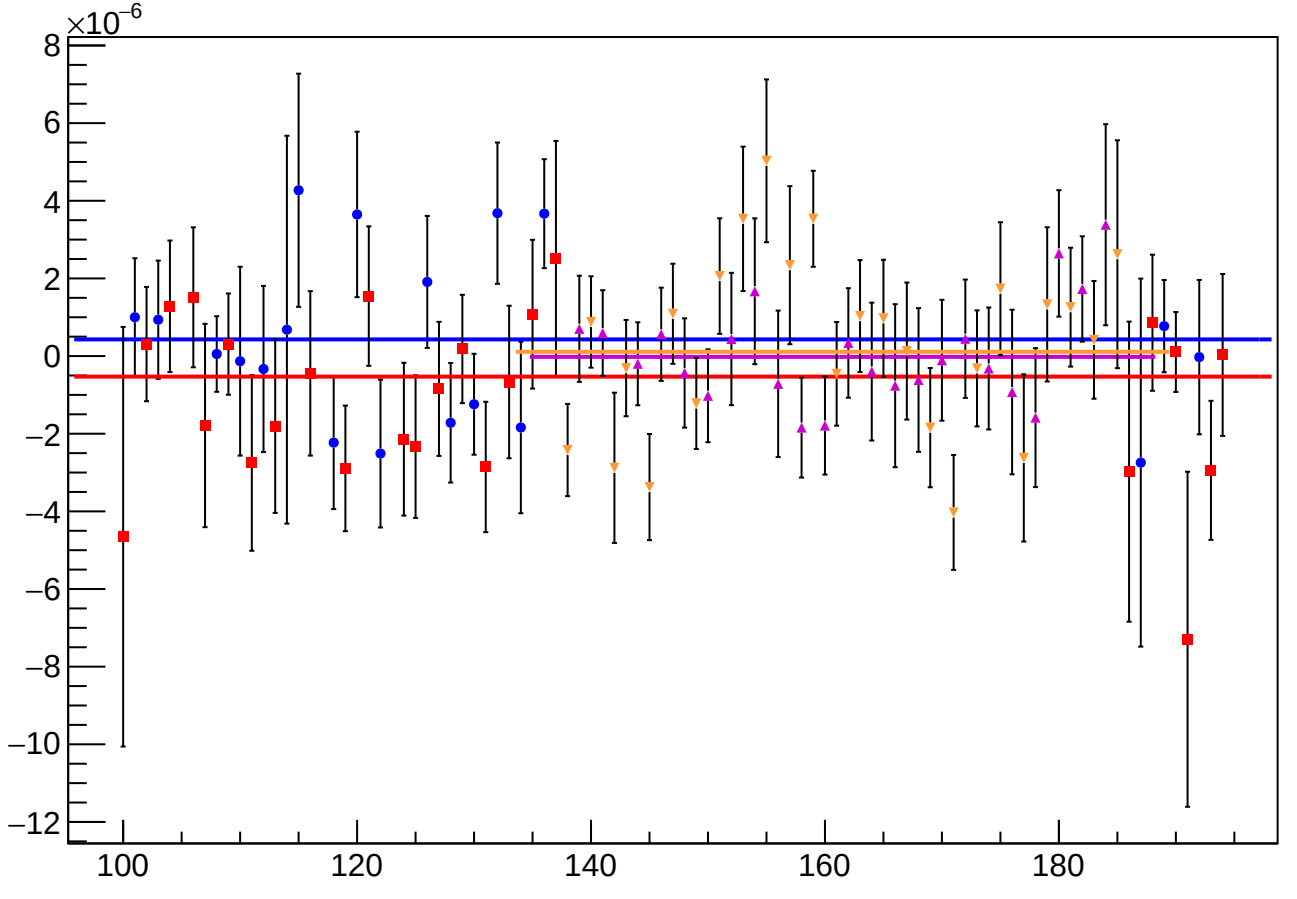
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 16.021+/-0.003 χ^2/NDF: 9064677.8/43

In: 15.299+/-0.002 χ^2/NDF:6839849.1/41

Out: 15.349+/-0.002 χ^2/NDF:8122763.2/49

All: 15.325+/-0.002 χ^2/NDF: 14962852.8/91



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/24

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

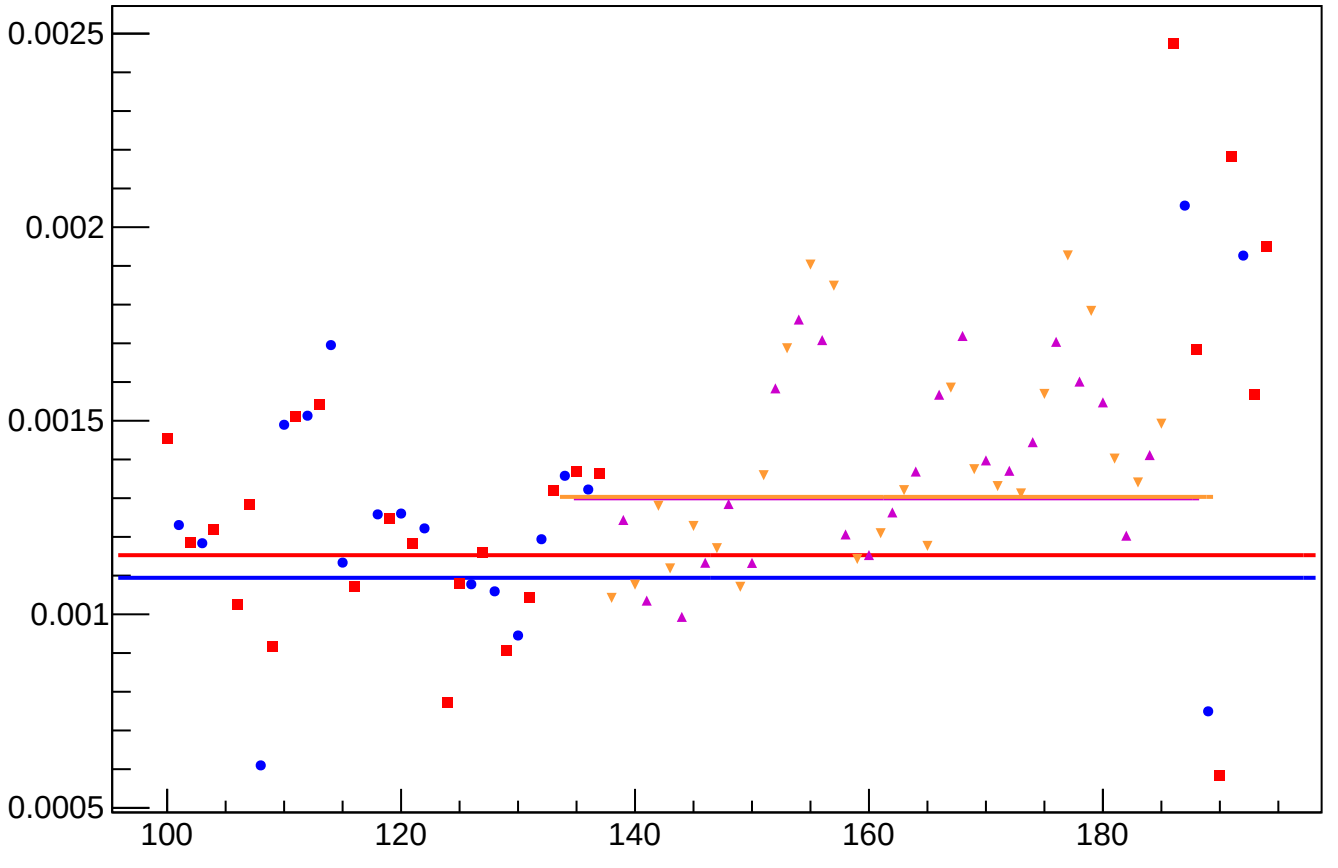
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

Right: -0.000+/-0.000 χ^2/NDF: 47.1/43

In: 0.000+/-0.000 χ^2/NDF:38.7/41

Out: -0.000+/-0.000 χ^2/NDF:71.9/49

All: -0.000+/-0.000 χ^2/NDF: 111.4/91



Right In: 0.001+/-0.000 χ^2/NDF: 1433272.0/18

Left Out: 0.001+/-0.000 χ^2/NDF:1181536.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 1952655.7/24

Left In: 0.001+/-0.000 χ^2/NDF:1026052.2/22

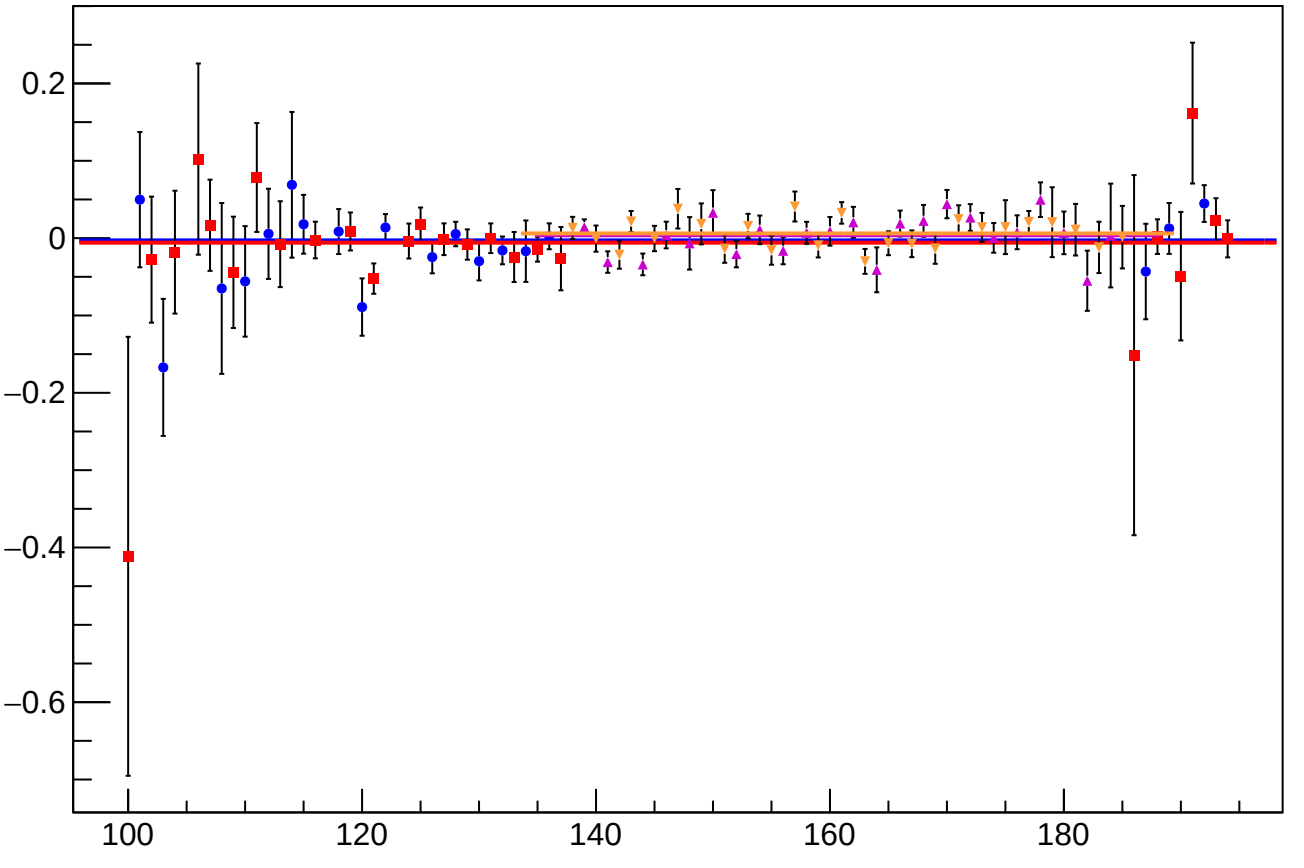
Left: 0.001+/-0.000 χ^2/NDF: 2207739.6/47

Right: 0.001+/-0.000 χ^2/NDF: 3410094.6/43

In: 0.001+/-0.000 χ^2/NDF:2802843.4/41

Out: 0.001+/-0.000 χ^2/NDF:3336837.4/49

All: 0.001+/-0.000 χ^2/NDF: 6148740.4/91



Right In: -0.003+/-0.006 χ^2/NDF: 20.0/18

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.006+/-0.006 χ^2/NDF: 18.1/24

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

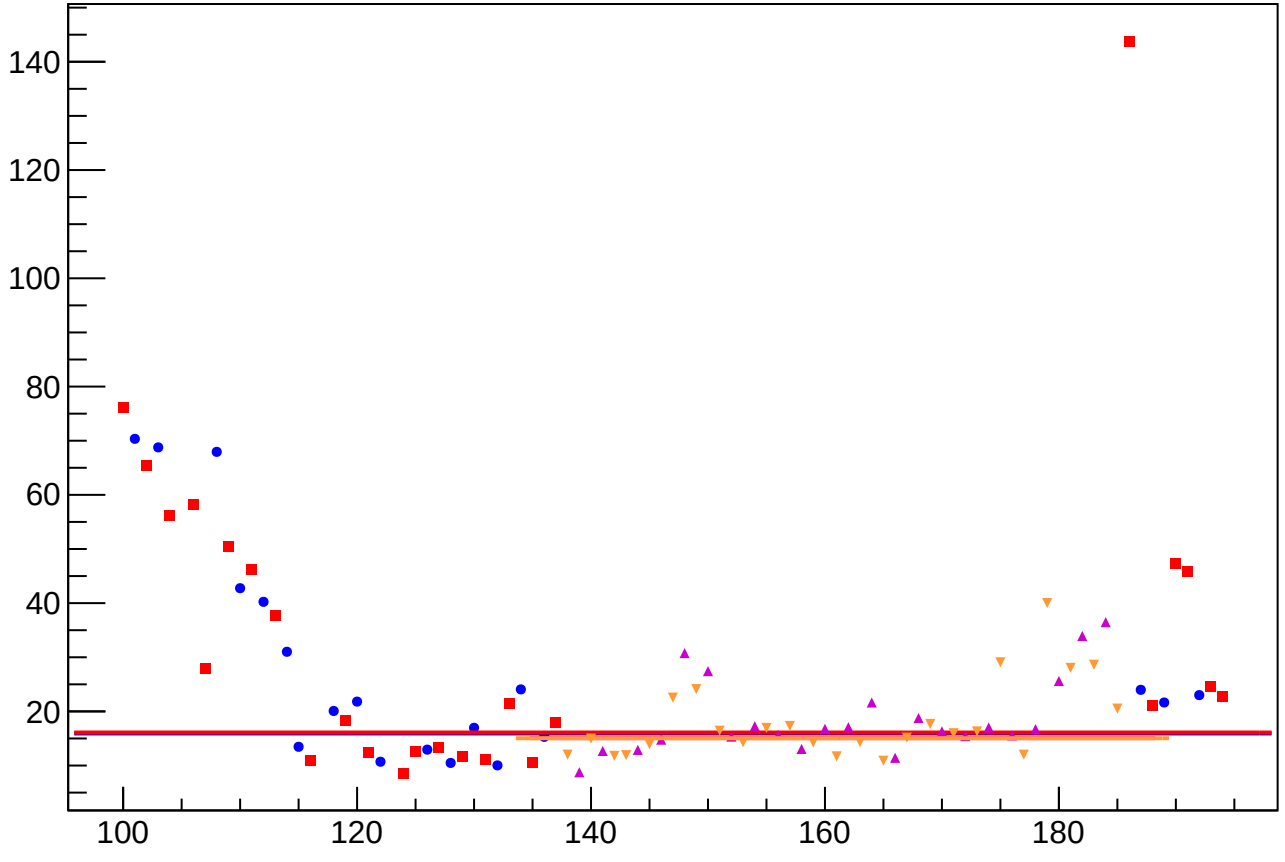
Right: -0.005+/-0.004 χ^2/NDF: 38.2/43

In: 0.002+/-0.003 χ^2/NDF:57.9/41

Out: 0.003+/-0.003 χ^2/NDF:47.8/49

All: 0.002+/-0.002 χ^2/NDF: 105.7/91

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.928+/-0.004 χ^2/NDF: 3746153.5/18

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.098+/-0.004 χ^2/NDF: 5317722.0/24

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

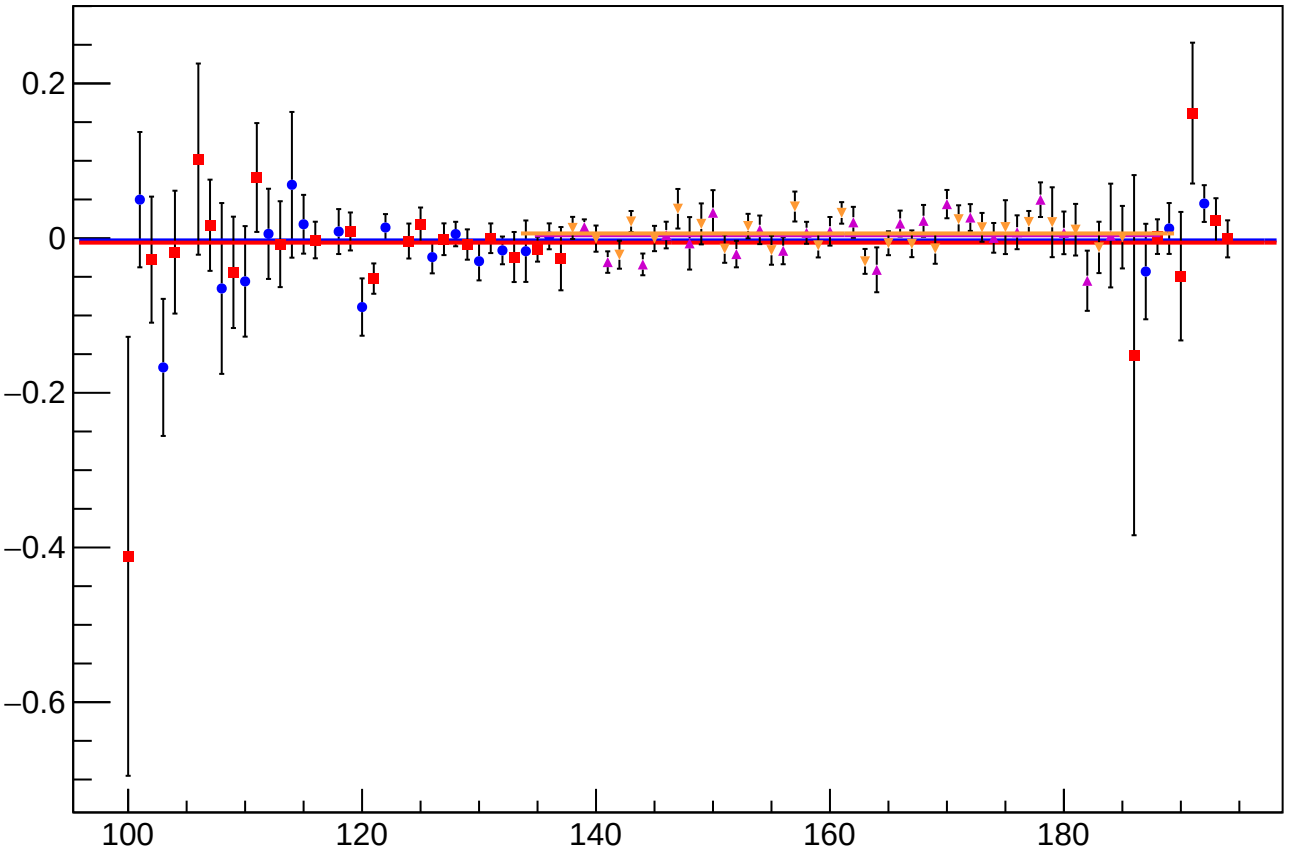
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 16.020+/-0.003 χ^2/NDF: 9064655.7/43

In: 15.299+/-0.002 χ^2/NDF:6839903.0/41

Out: 15.348+/-0.002 χ^2/NDF:8122949.7/49

All: 15.325+/-0.002 χ^2/NDF: 14963093.0/91



Right In: -0.003+/-0.006 χ^2/NDF: 20.0/18

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.006+/-0.006 χ^2/NDF: 18.1/24

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

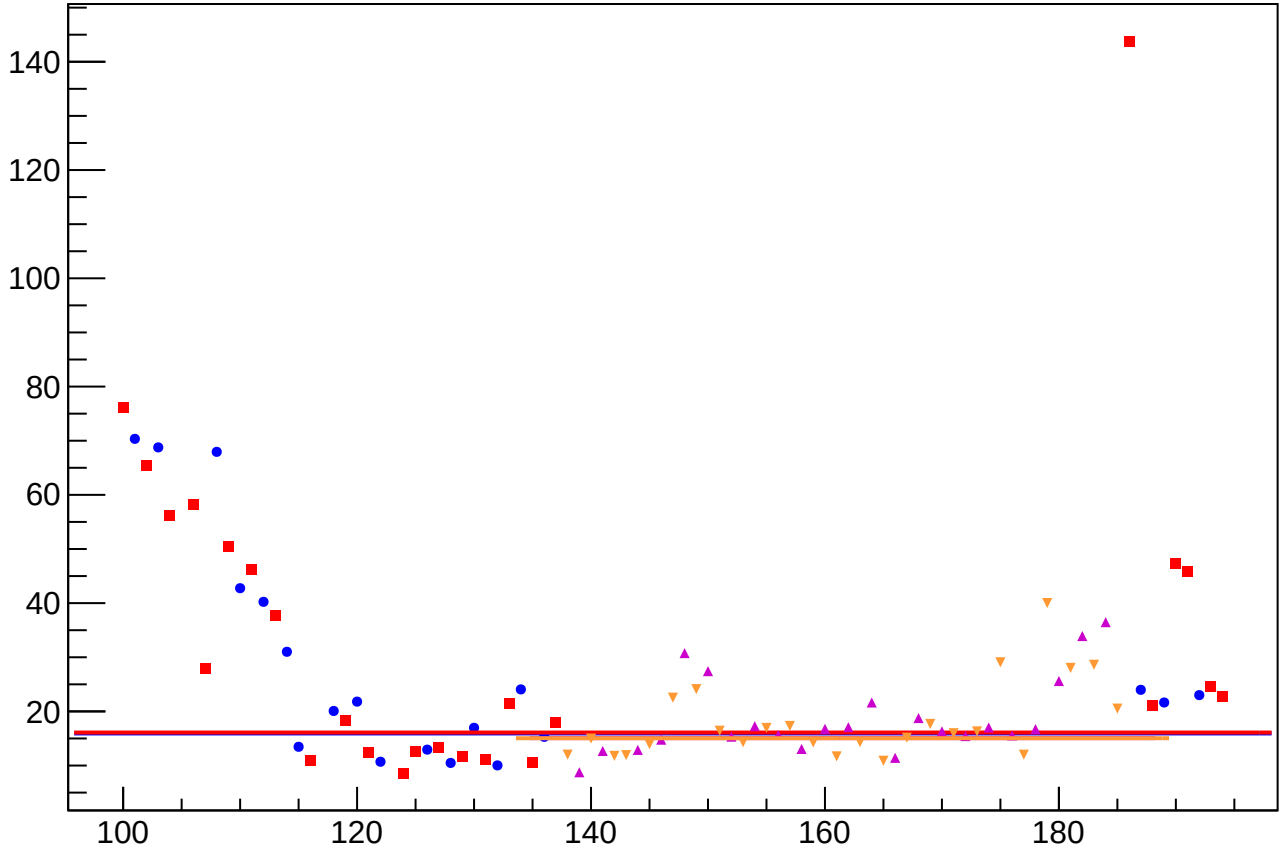
Right: -0.005+/-0.004 χ^2/NDF: 38.2/43

In: 0.002+/-0.003 χ^2/NDF:57.9/41

Out: 0.003+/-0.003 χ^2/NDF:47.8/49

All: 0.002+/-0.002 χ^2/NDF: 105.7/91

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.928+/-0.004 χ^2/NDF: 3746153.5/18

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.098+/-0.004 χ^2/NDF: 5317722.0/24

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

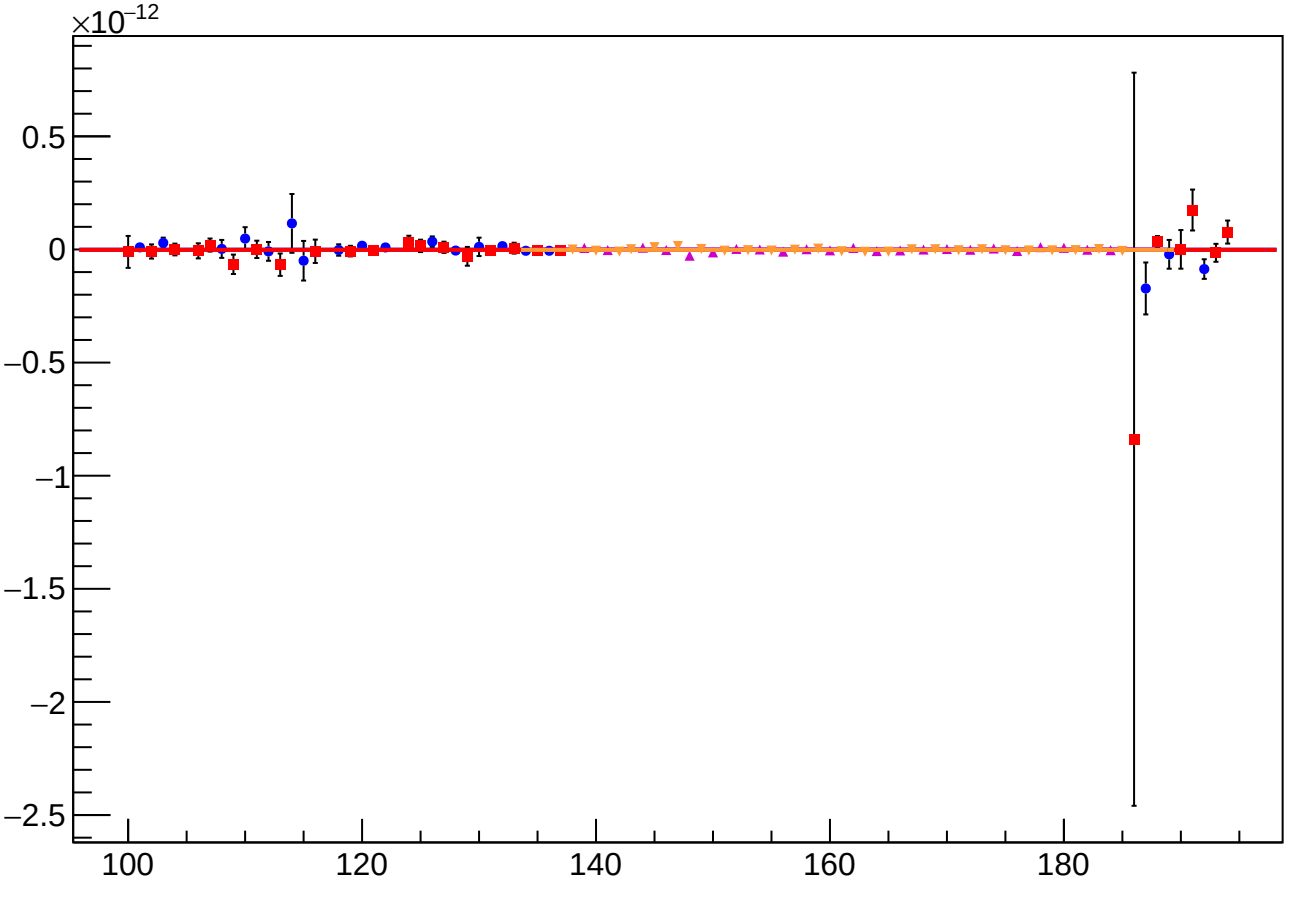
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 16.020+/-0.003 χ^2/NDF: 9064655.7/43

In: 15.299+/-0.002 χ^2/NDF:6839903.0/41

Out: 15.348+/-0.002 χ^2/NDF:8122949.7/49

All: 15.325+/-0.002 χ^2/NDF: 14963093.0/91



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/24

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

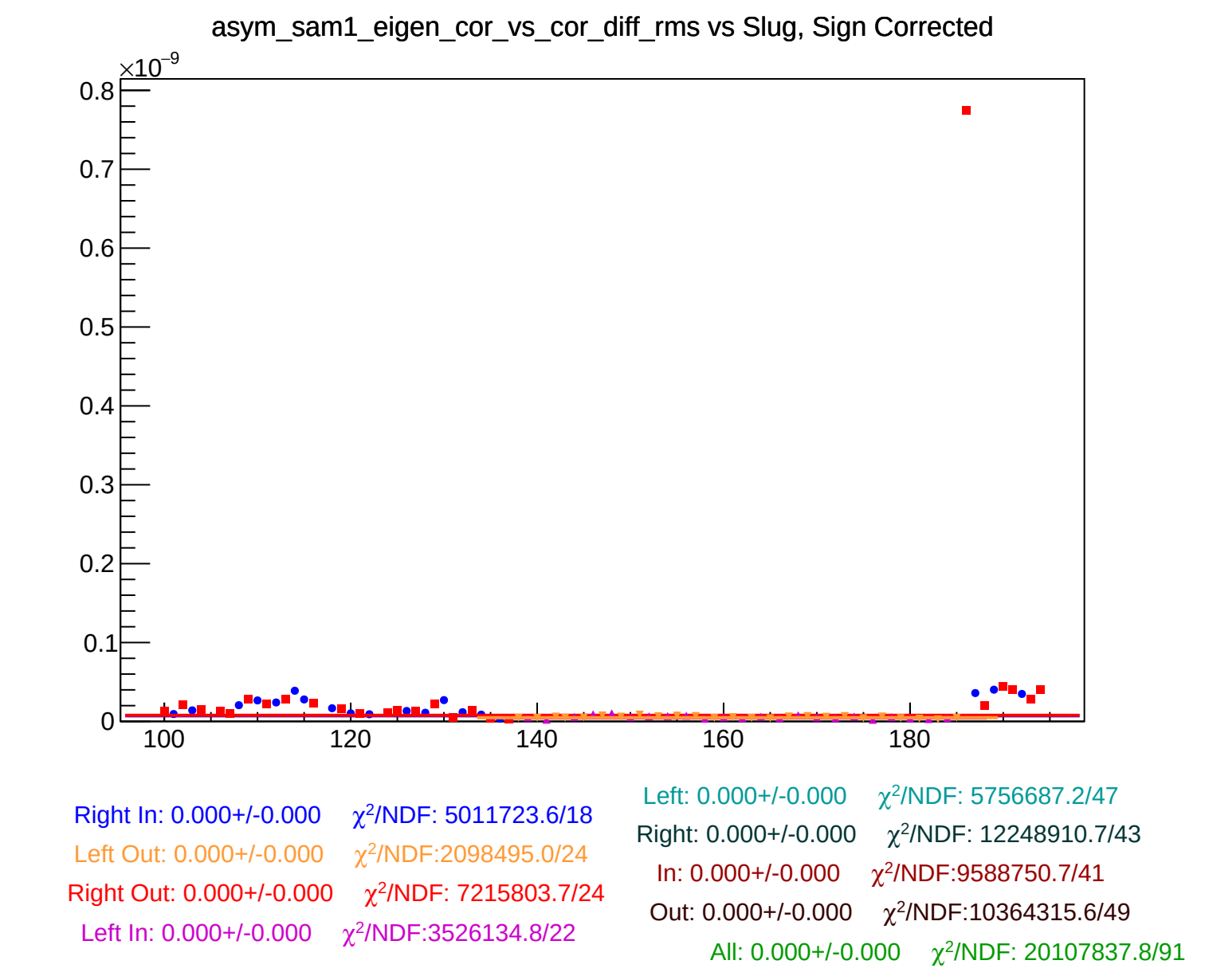
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 31.2/43

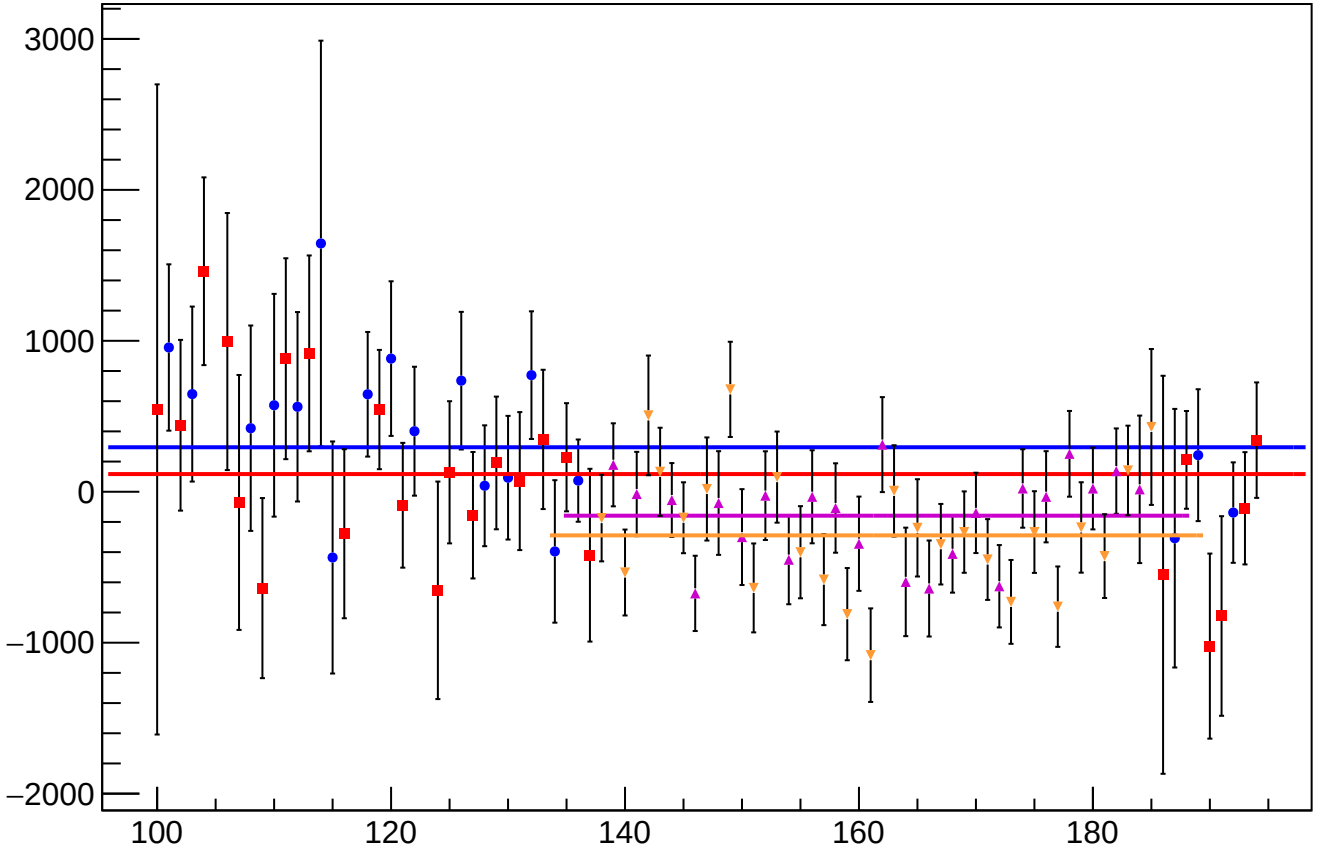
In: -0.000+/-0.000 χ^2/NDF:37.0/41

Out: -0.000+/-0.000 χ^2/NDF:30.7/49

All: -0.000+/-0.000 χ^2/NDF: 68.1/91


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
Right In: 0.000+/-0.000 χ²/NDF: 5011723.6/18
Left Out: 0.000+/-0.000 χ²/NDF:2098495.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 7215803.7/24
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: 12248910.7/43
In: 0.000+/-0.000 χ²/NDF:9588750.7/41
Out: 0.000+/-0.000 χ²/NDF:10364315.6/49
All: 0.000+/-0.000 χ²/NDF: 20107837.8/91

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 294.809+/-107.581 χ^2/NDF: 14.0/18

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: 117.187+/-100.836 χ^2/NDF: 21.9/24

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

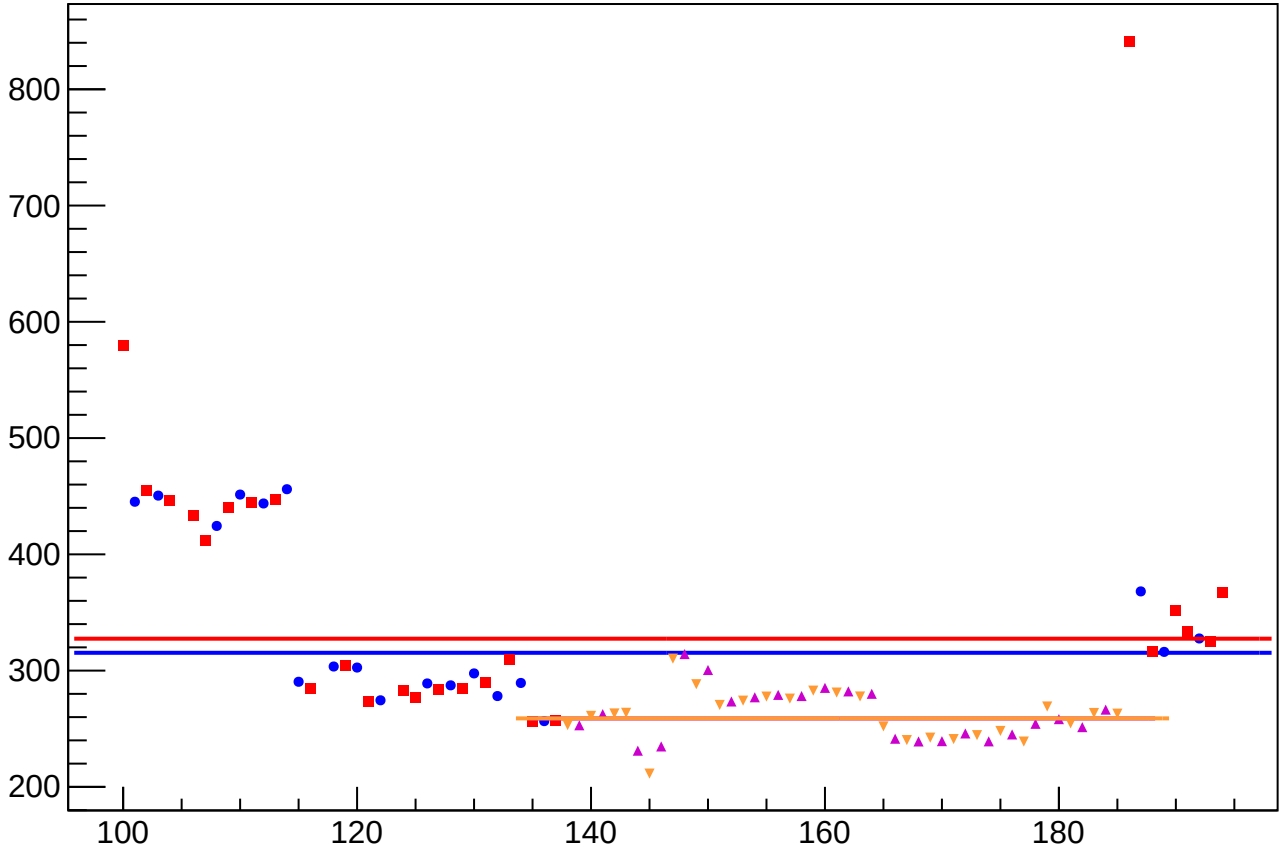
Right: 200.255+/-73.571 χ^2/NDF: 37.4/43

In: -49.093+/-52.871 χ^2/NDF:50.0/41

Out: -185.258+/-50.946 χ^2/NDF:76.4/49

All: -119.699+/-36.686 χ^2/NDF: 129.8/91

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 315.329+/-0.076 χ^2/NDF: 613541.9/18

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 327.463+/-0.071 χ^2/NDF: 1036567.6/24

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

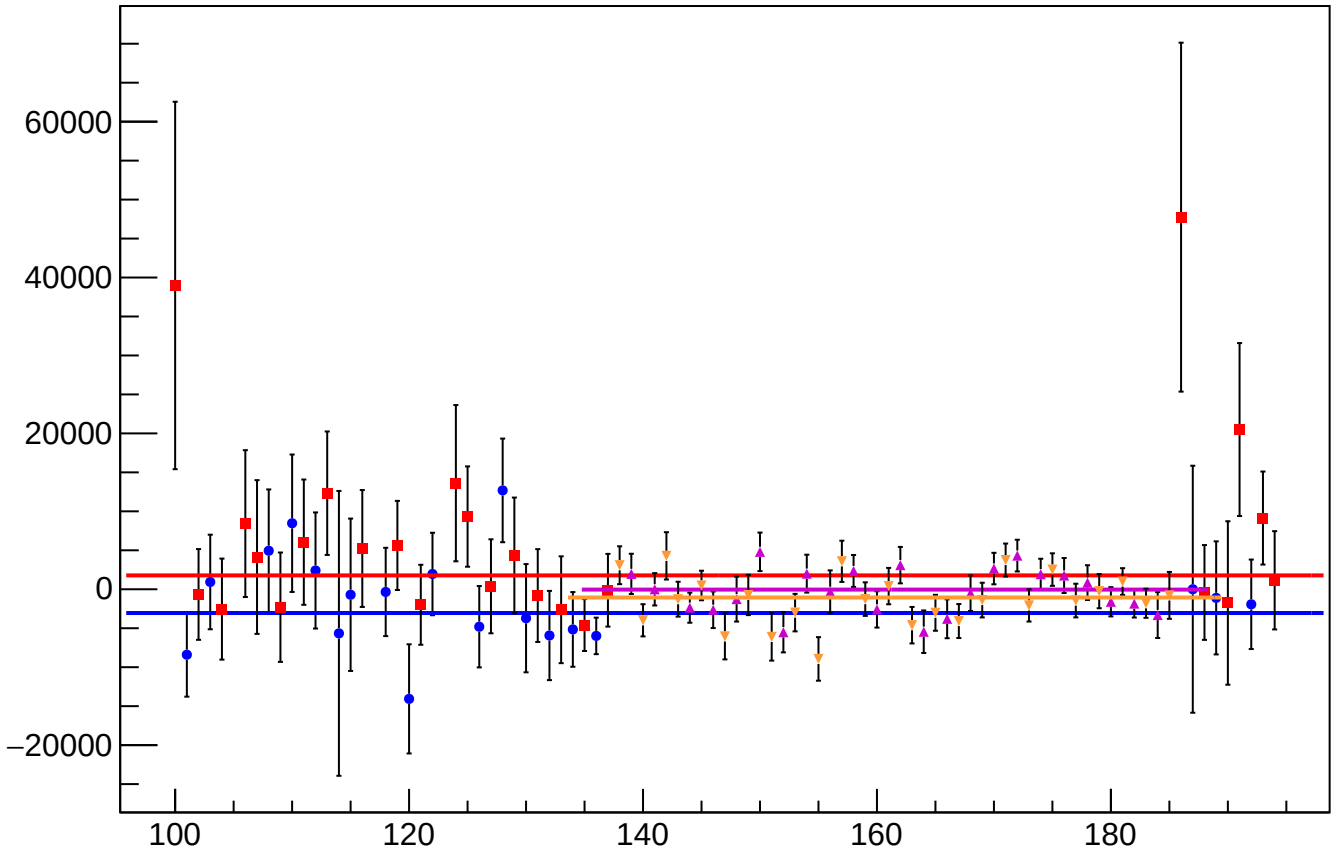
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 321.788+/-0.052 χ^2/NDF: 1663654.2/43

In: 272.485+/-0.037 χ^2/NDF:1276686.4/41

Out: 276.411+/-0.036 χ^2/NDF:1973693.3/49

All: 274.521+/-0.026 χ^2/NDF: 3256095.9/91



Right In: -3046.834+/-1292.157 χ^2/NDF: 16.3/18

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: 1780.486+/-1313.634 χ^2/NDF: 23.5/24

Left In: -44.352+/-470.700 χ^2/NDF:34.2/22

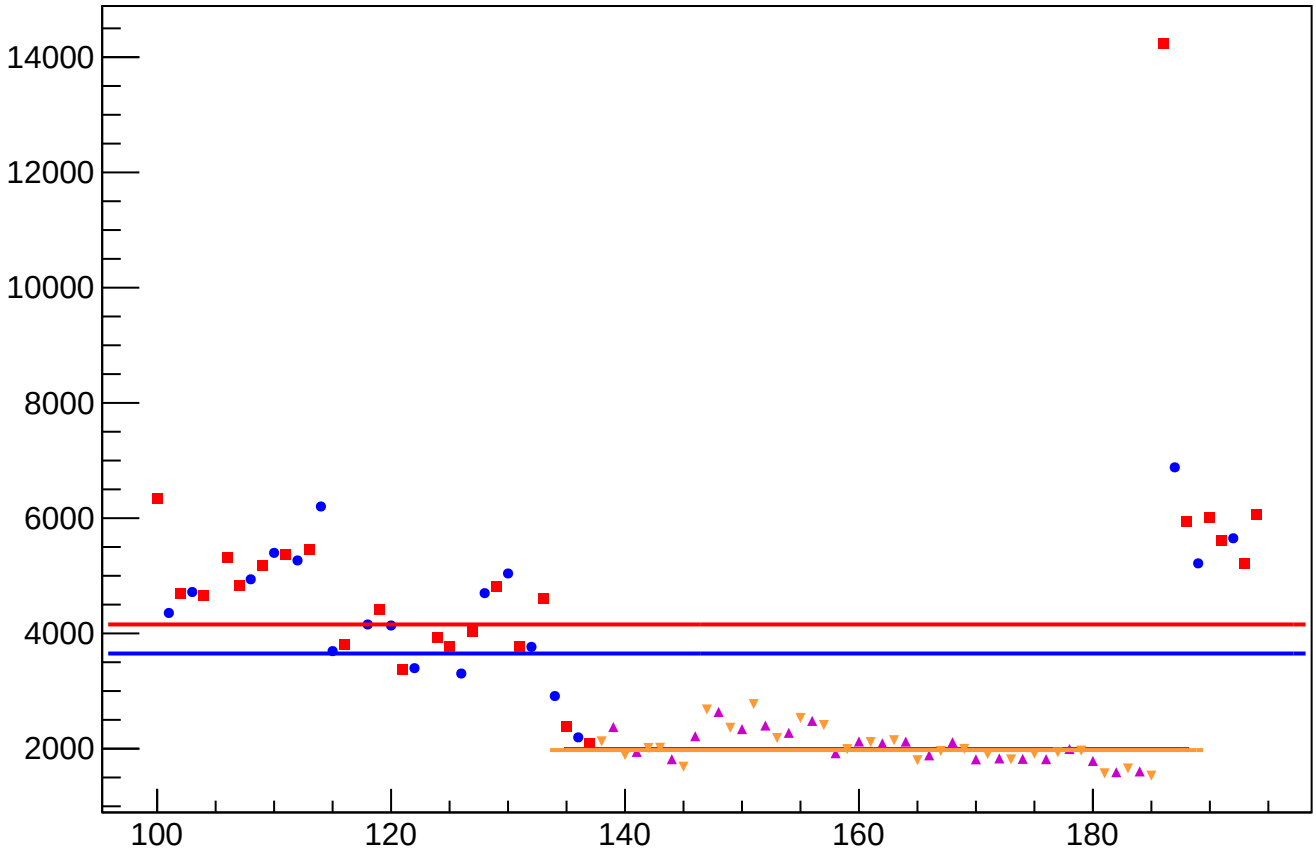
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -672.959+/-921.192 χ^2/NDF: 46.6/43

In: -396.095+/-442.270 χ^2/NDF:55.2/41

Out: -755.455+/-429.647 χ^2/NDF:69.1/49

All: -580.976+/-308.172 χ^2/NDF: 124.7/91



Right In: 3651.171+/-0.914 χ^2/NDF: 1767459.5/18

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4155.620+/-0.929 χ^2/NDF: 2204609.5/24

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

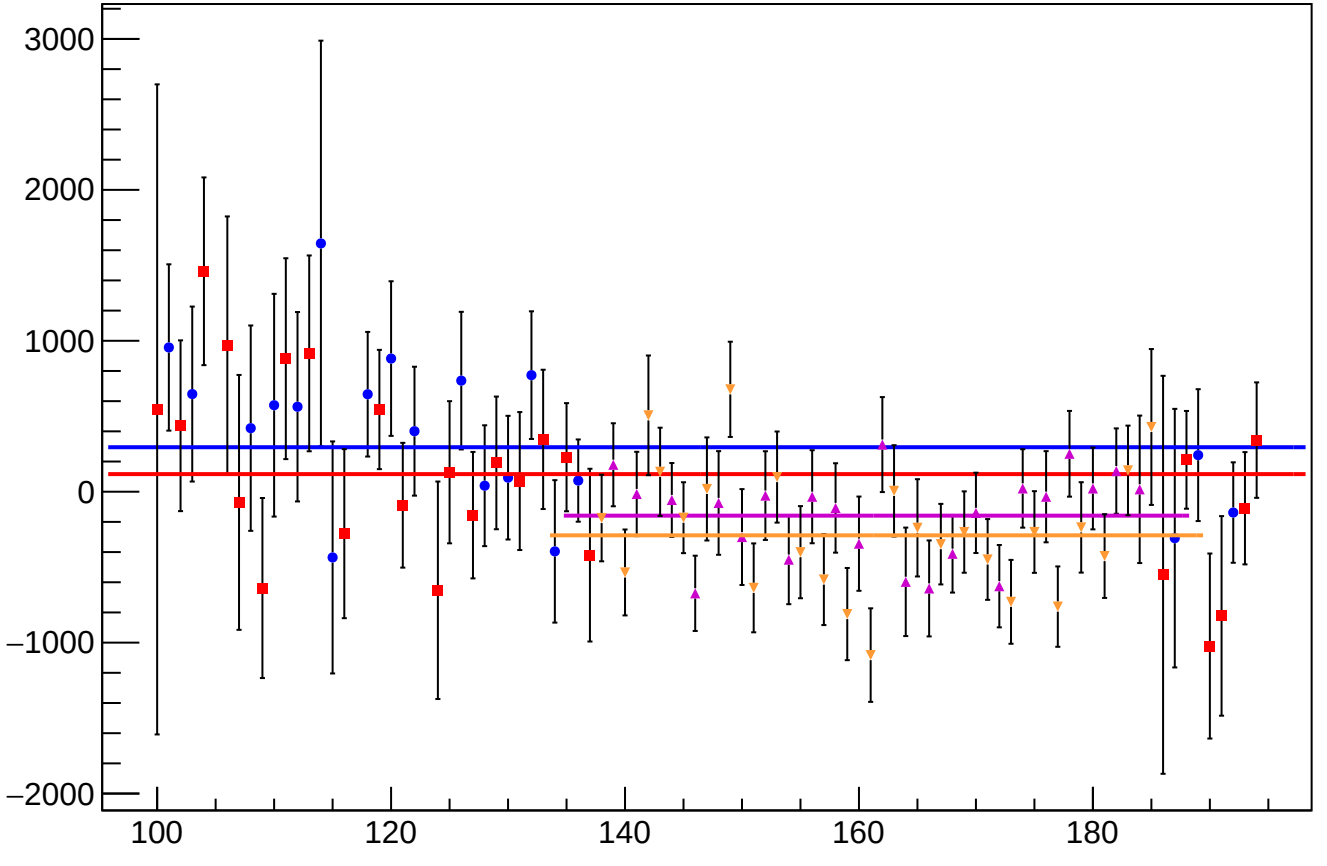
Right: 3899.238+/-0.651 χ^2/NDF: 4121963.8/43

In: 2188.810+/-0.313 χ^2/NDF:5268953.7/41

Out: 2209.132+/-0.304 χ^2/NDF:7885165.8/49

All: 2199.265+/-0.218 χ^2/NDF: 13156291.9/9

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 294.788+/-107.582 χ^2/NDF: 14.0/18

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 116.599+/-100.842 χ^2/NDF: 21.8/24

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

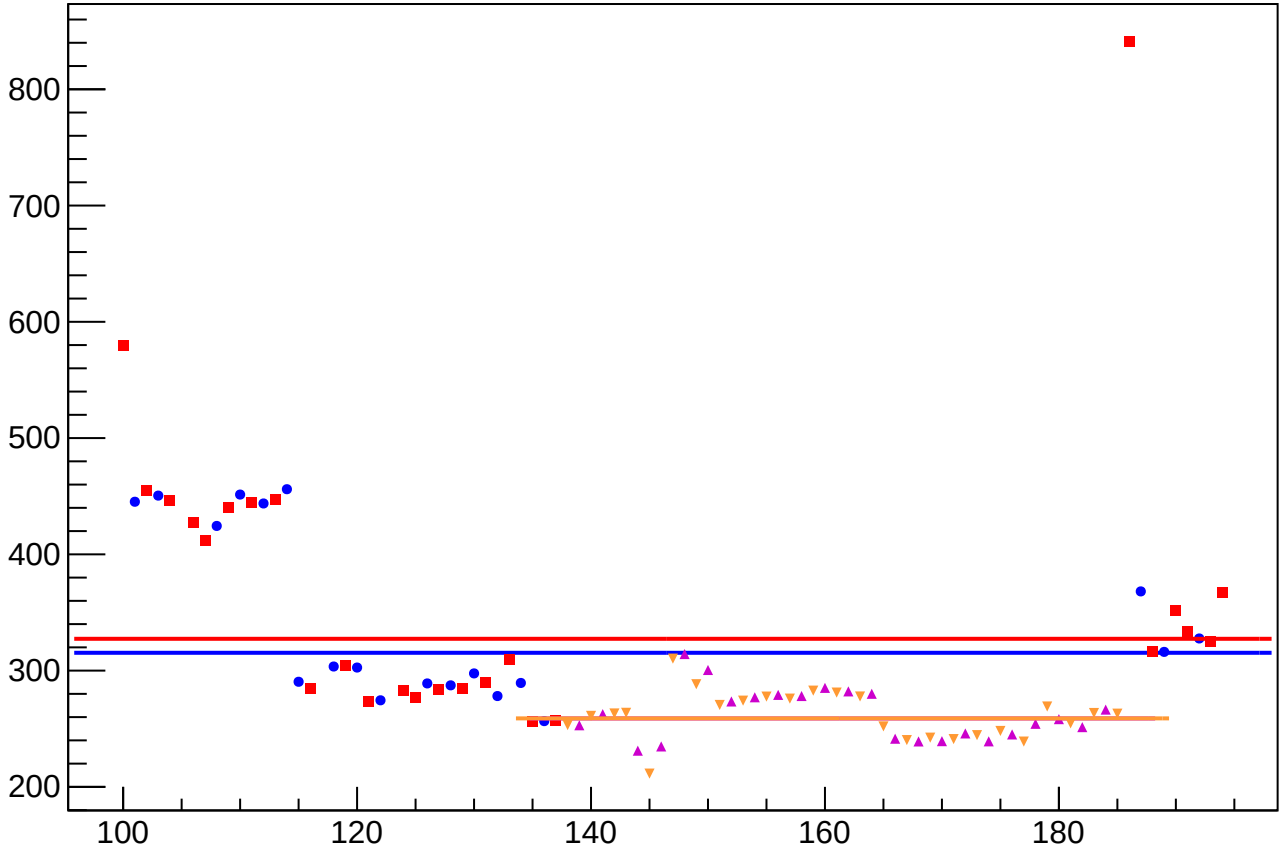
Right: 199.938+/-73.573 χ^2/NDF: 37.3/43

In: -49.107+/-52.871 χ^2/NDF:50.0/41

Out: -185.421+/-50.947 χ^2/NDF:76.2/49

All: -119.789+/-36.686 χ^2/NDF: 129.7/91

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 315.329+/-0.076 χ^2/NDF: 613543.3/18

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 327.360+/-0.071 χ^2/NDF: 1032715.6/24

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

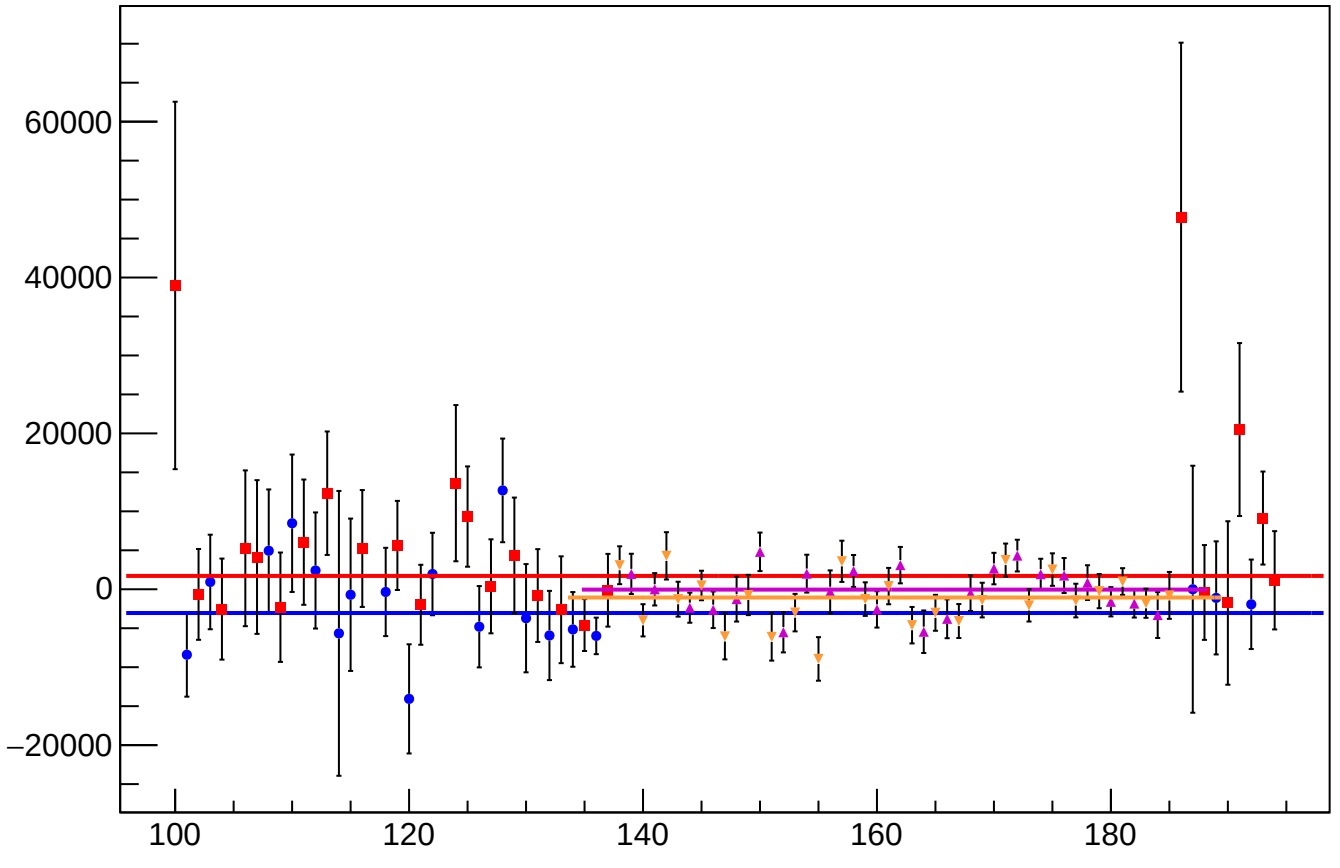
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 321.733+/-0.052 χ^2/NDF: 1659573.2/43

In: 272.485+/-0.037 χ^2/NDF:1276688.0/41

Out: 276.383+/-0.036 χ^2/NDF:1967702.1/49

All: 274.506+/-0.026 χ^2/NDF: 3250024.8/91



Right In: -3046.771+/-1292.159 χ^2/NDF: 16.3/18

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1711.702+/-1315.096 χ^2/NDF: 23.1/24

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

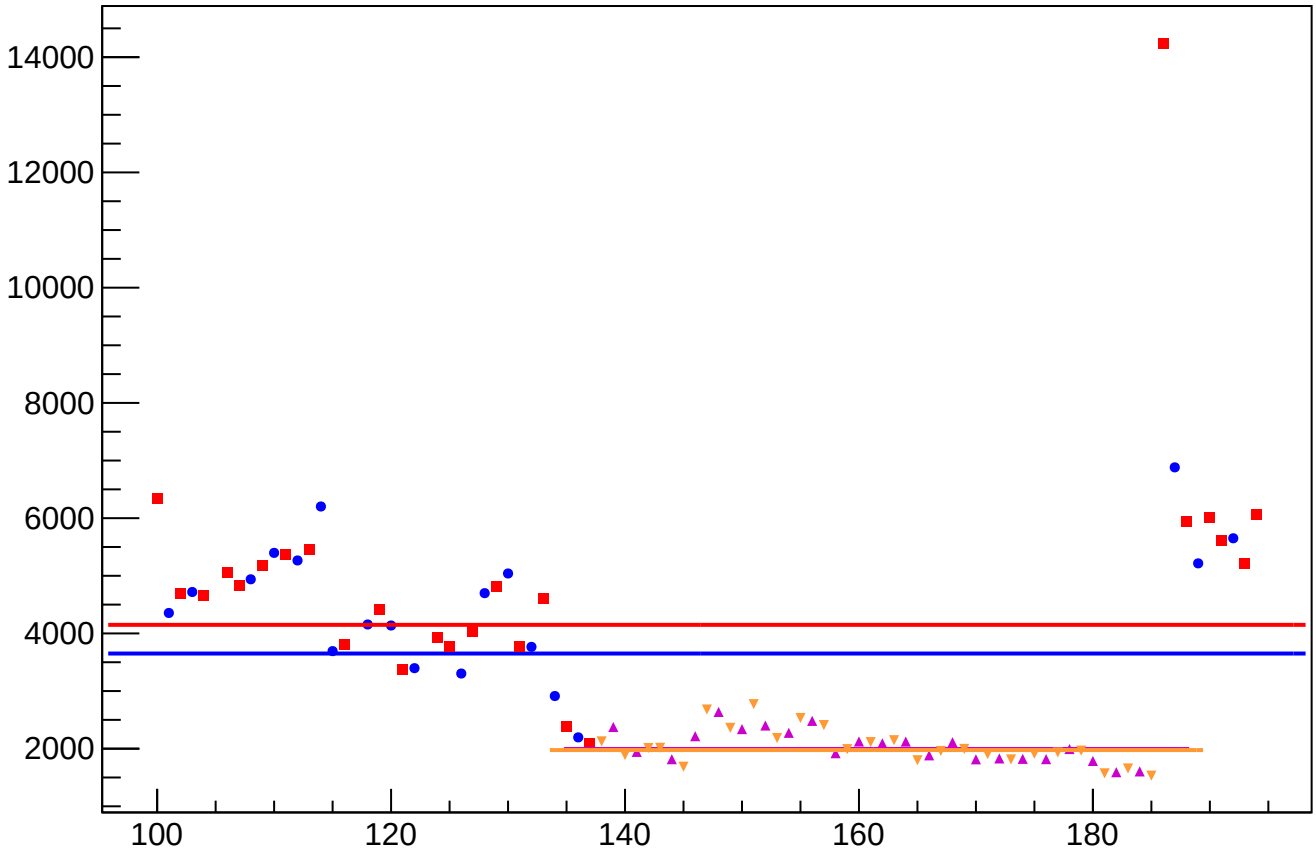
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -709.392+/-921.697 χ^2/NDF: 46.0/43

In: -396.083+/-442.270 χ^2/NDF:55.2/41

Out: -763.405+/-429.698 χ^2/NDF:68.6/49

All: -585.039+/-308.191 χ^2/NDF: 124.1/91



Right In: 3651.176+/-0.914 χ^2/NDF: 1767473.9/18

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4148.954+/-0.930 χ^2/NDF: 2191184.1/24

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

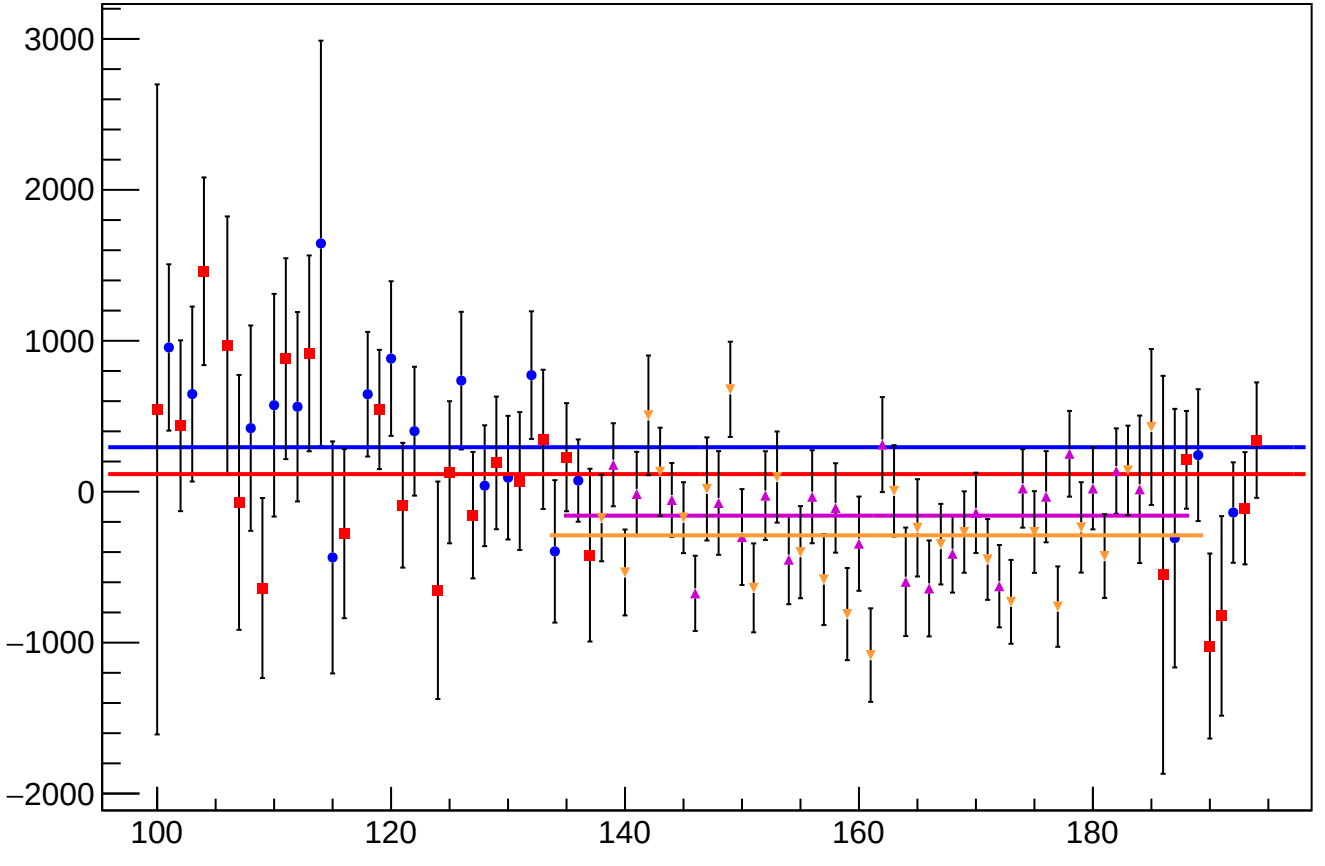
Right: 3895.686+/-0.652 χ^2/NDF: 4104449.4/43

In: 2188.810+/-0.313 χ^2/NDF:5268974.5/41

Out: 2207.958+/-0.304 χ^2/NDF:7832013.0/49

All: 2198.660+/-0.218 χ^2/NDF: 13102915.9/9

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 294.788+/-107.582 χ^2/NDF: 14.0/18

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 116.599+/-100.842 χ^2/NDF: 21.8/24

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

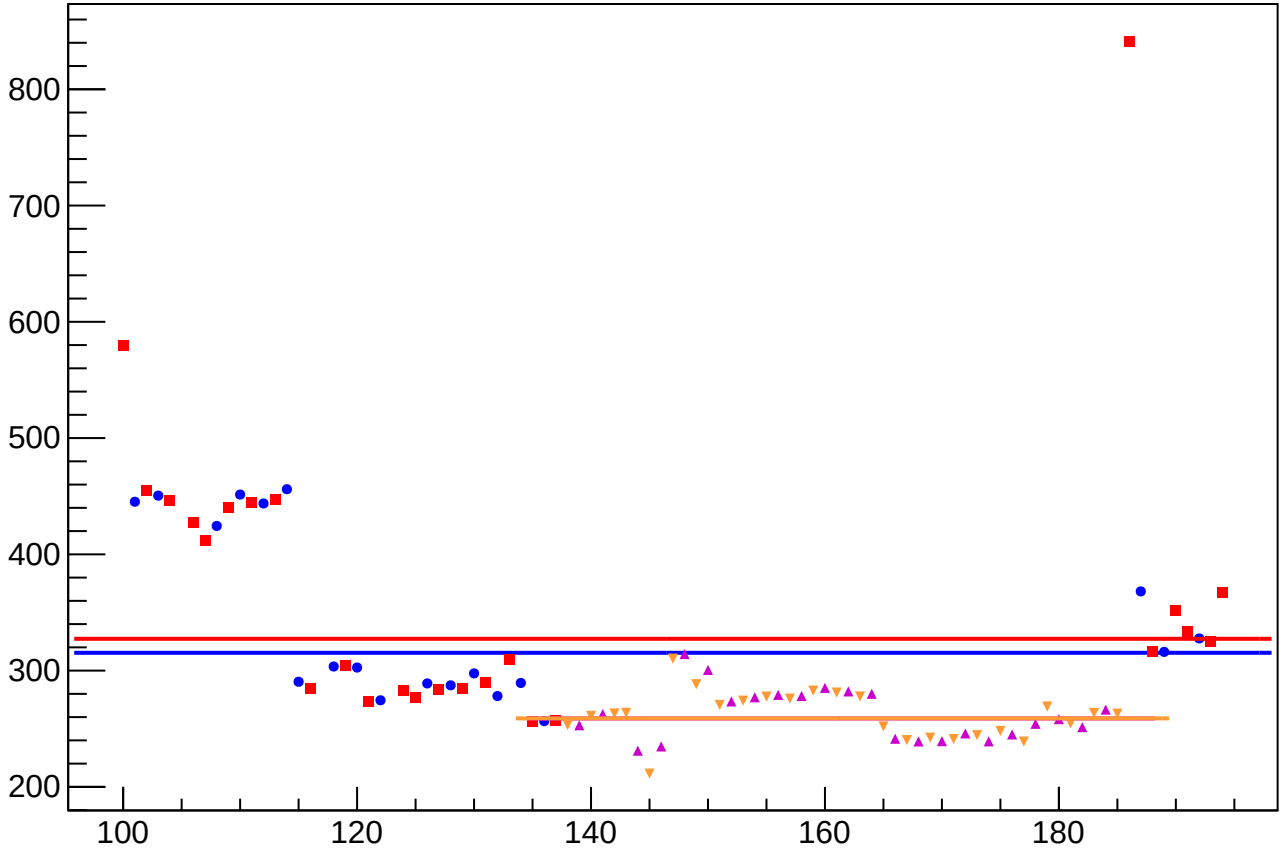
Right: 199.938+/-73.573 χ^2/NDF: 37.3/43

In: -49.107+/-52.871 χ^2/NDF:50.0/41

Out: -185.421+/-50.947 χ^2/NDF:76.2/49

All: -119.789+/-36.686 χ^2/NDF: 129.7/91

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 315.329+/-0.076 χ^2/NDF: 613543.3/18

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 327.360+/-0.071 χ^2/NDF: 1032715.6/24

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

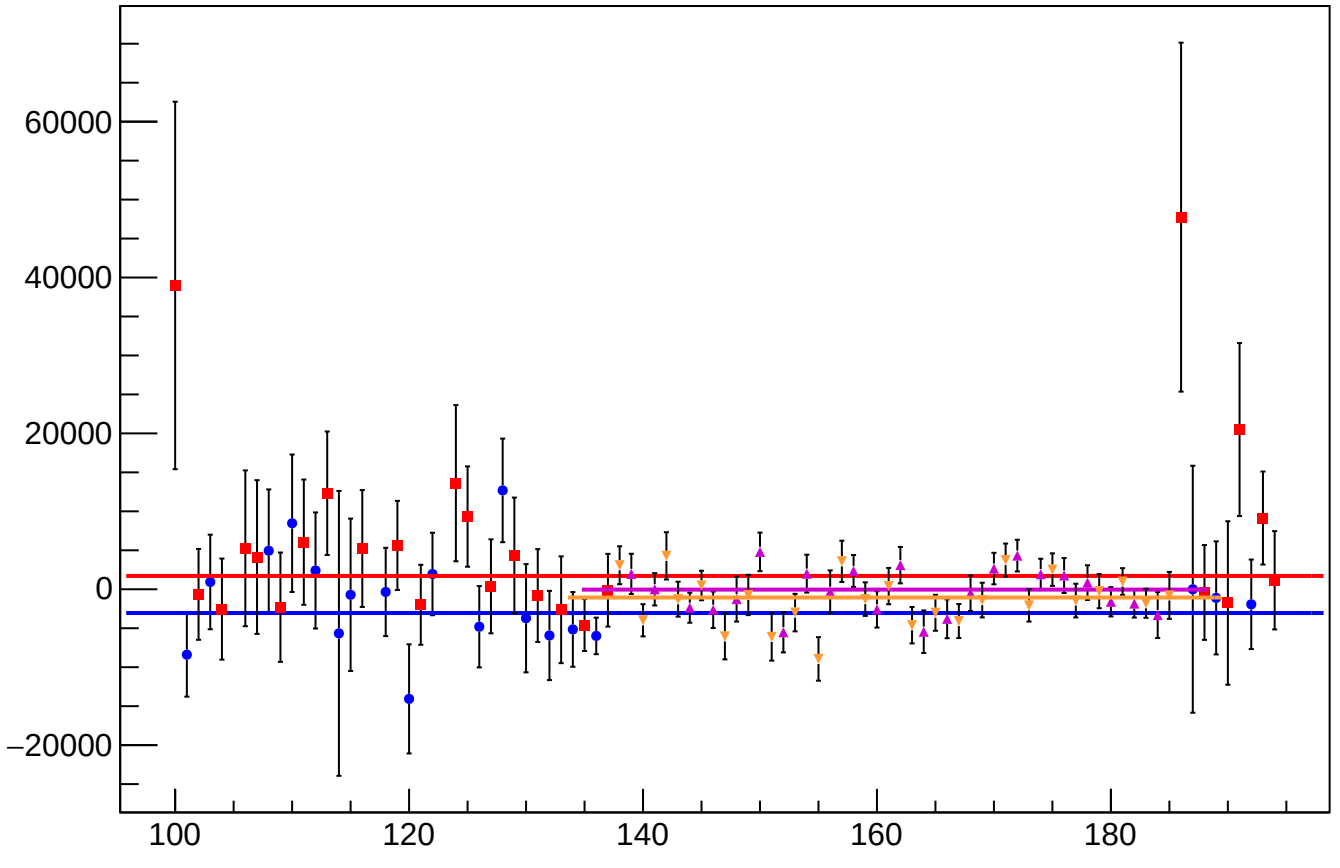
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 321.733+/-0.052 χ^2/NDF: 1659573.2/43

In: 272.485+/-0.037 χ^2/NDF:1276688.0/41

Out: 276.383+/-0.036 χ^2/NDF:1967702.1/49

All: 274.506+/-0.026 χ^2/NDF: 3250024.8/91



Right In: -3046.771+/-1292.159 χ^2/NDF: 16.3/18

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1711.702+/-1315.096 χ^2/NDF: 23.1/24

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

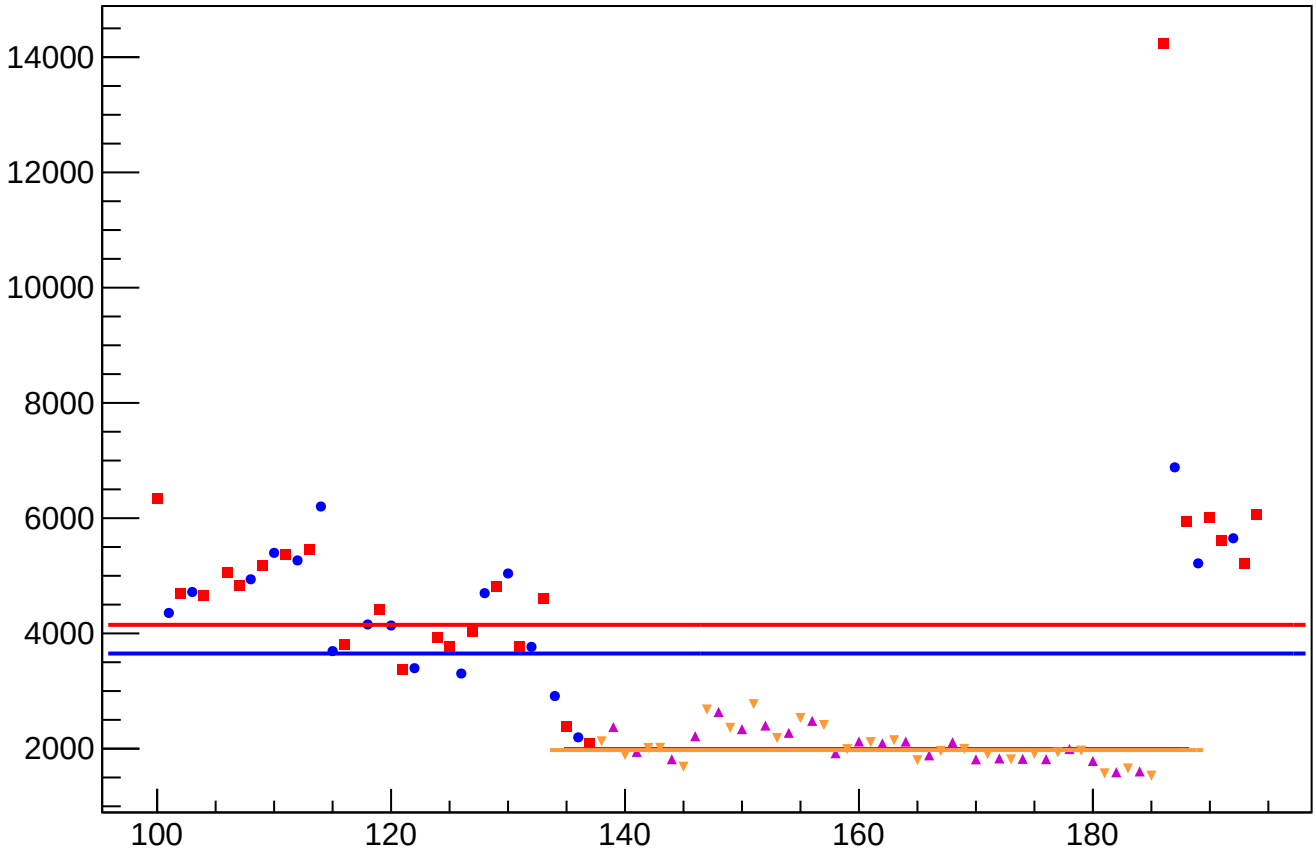
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -709.392+/-921.697 χ^2/NDF: 46.0/43

In: -396.083+/-442.270 χ^2/NDF:55.2/41

Out: -763.405+/-429.698 χ^2/NDF:68.6/49

All: -585.039+/-308.191 χ^2/NDF: 124.1/91



Right In: 3651.176+/-0.914 χ^2/NDF: 1767473.9/18

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4148.954+/-0.930 χ^2/NDF: 2191184.1/24

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

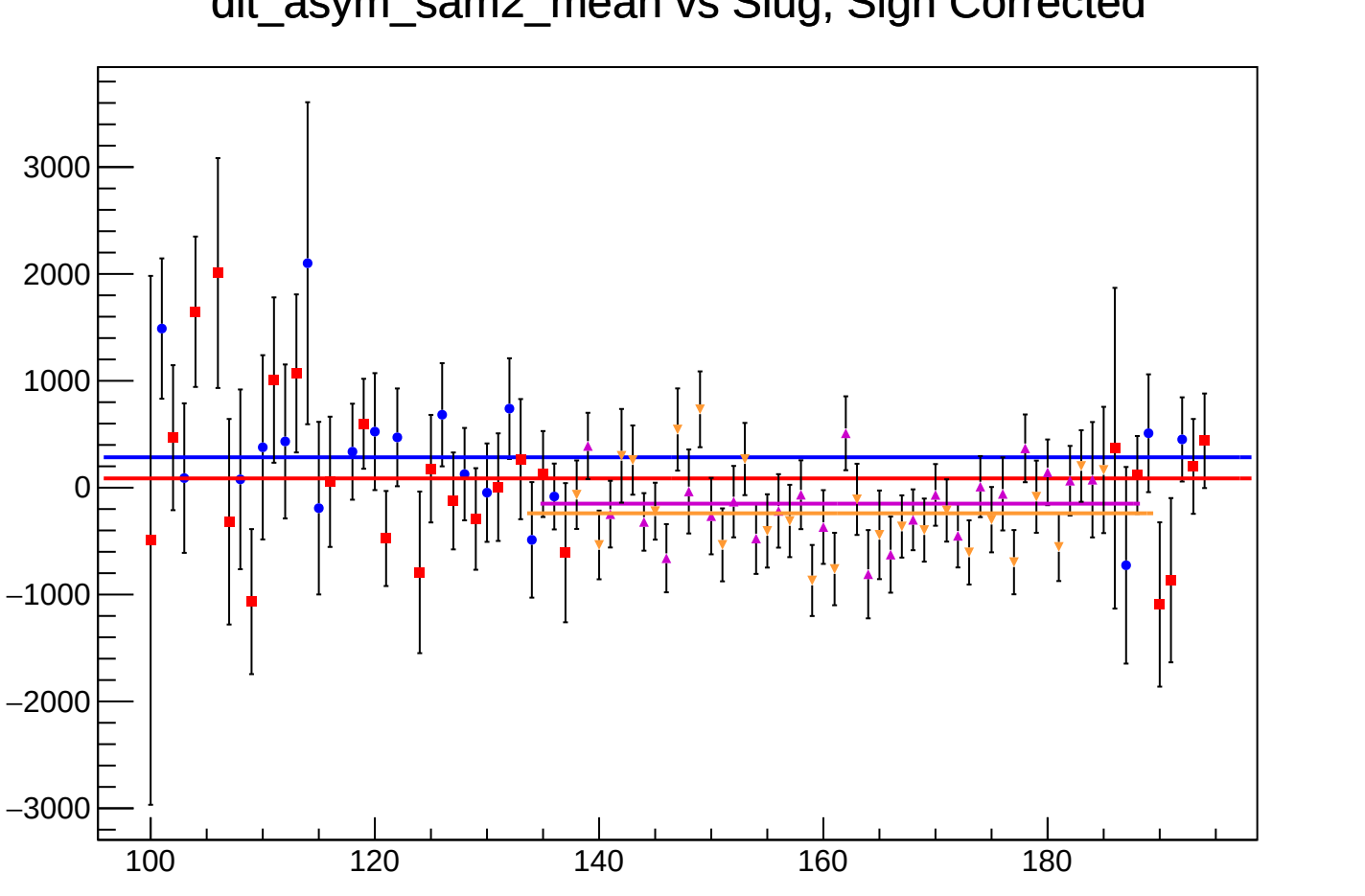
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 3895.686+/-0.652 χ^2/NDF: 4104449.4/43

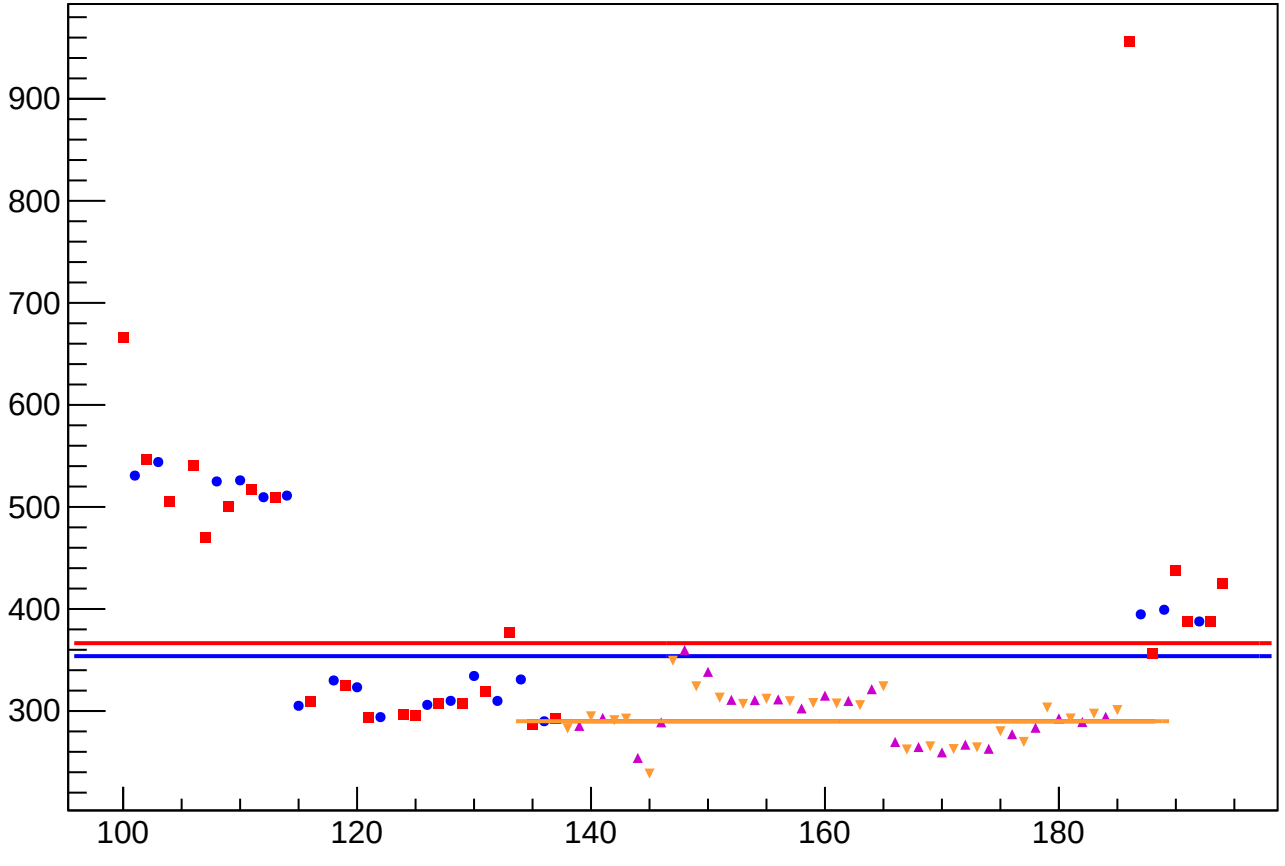
In: 2188.810+/-0.313 χ^2/NDF:5268974.5/41

Out: 2207.958+/-0.304 χ^2/NDF:7832013.0/49

All: 2198.660+/-0.218 χ^2/NDF: 13102915.9/9


dit_asym_sam2_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
−3000
100
120
140
160
180
Right In: 284.519+/-121.403 χ²/NDF: 13.0/18
Left Out: -239.549+/-66.167 χ²/NDF:34.0/24
Right Out: 86.859+/-113.532 χ²/NDF: 26.0/24
Left In: -149.516+/-68.160 χ²/NDF:21.7/22
Left: -195.868+/-47.476 χ²/NDF: 56.6/47
Right: 179.074+/-82.922 χ²/NDF: 40.4/43
In: -45.495+/-59.433 χ²/NDF:44.4/41
Out: -156.790+/-57.167 χ²/NDF:66.2/49
All: -103.305+/-41.201 χ²/NDF: 112.4/91

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 353.781+/-0.086 χ^2/NDF: 807326.5/18

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 366.500+/-0.080 χ^2/NDF: 1254722.1/24

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

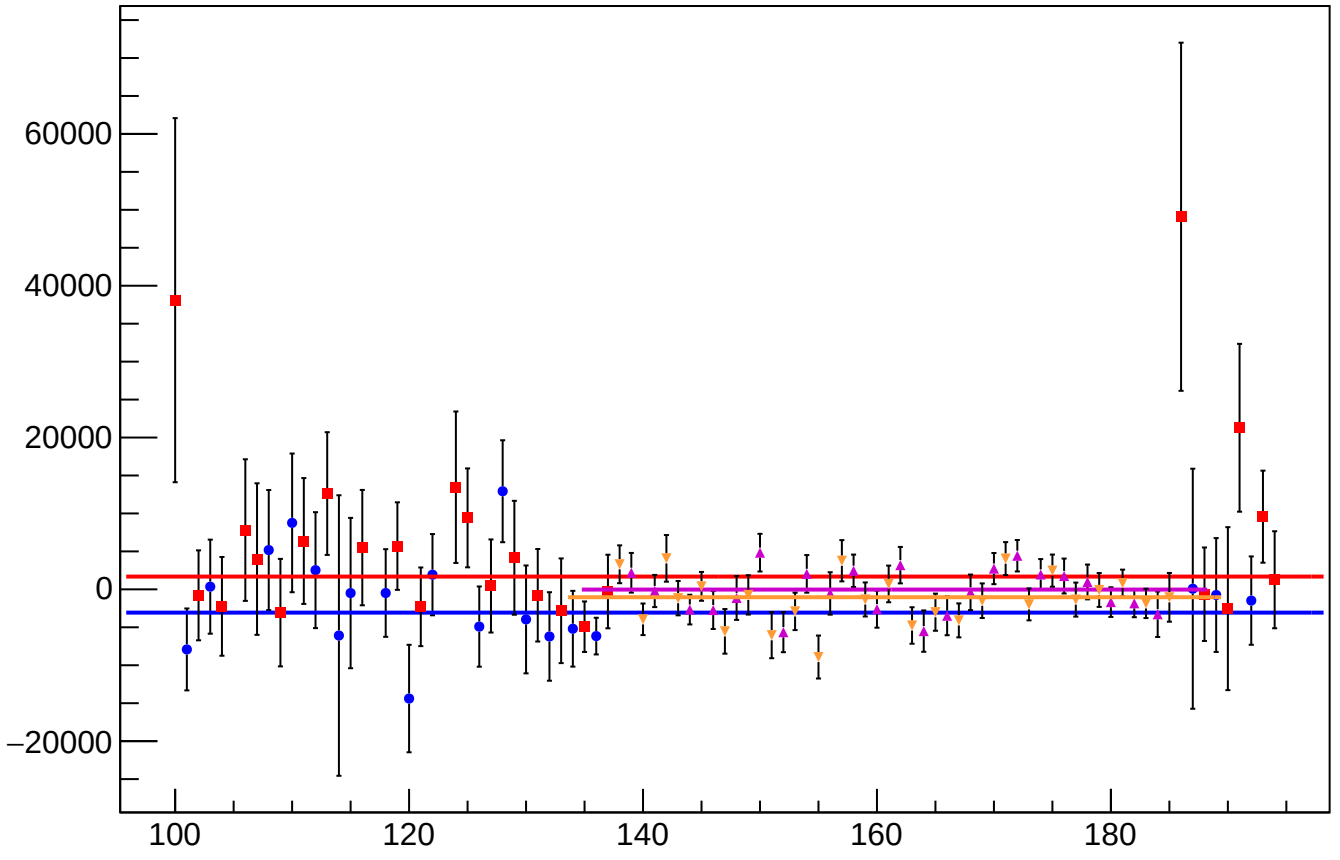
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 360.566+/-0.059 χ^2/NDF: 2073759.7/43

In: 305.241+/-0.042 χ^2/NDF:1497488.6/41

Out: 309.413+/-0.040 χ^2/NDF:2212801.2/49

All: 307.408+/-0.029 χ^2/NDF: 3715409.1/91



Right In: -3066.273+/-1320.768 χ^2/NDF: 16.3/18

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: 1682.772+/-1329.810 χ^2/NDF: 24.3/24

Left In: -30.393+/-482.280 χ^2/NDF:34.1/22

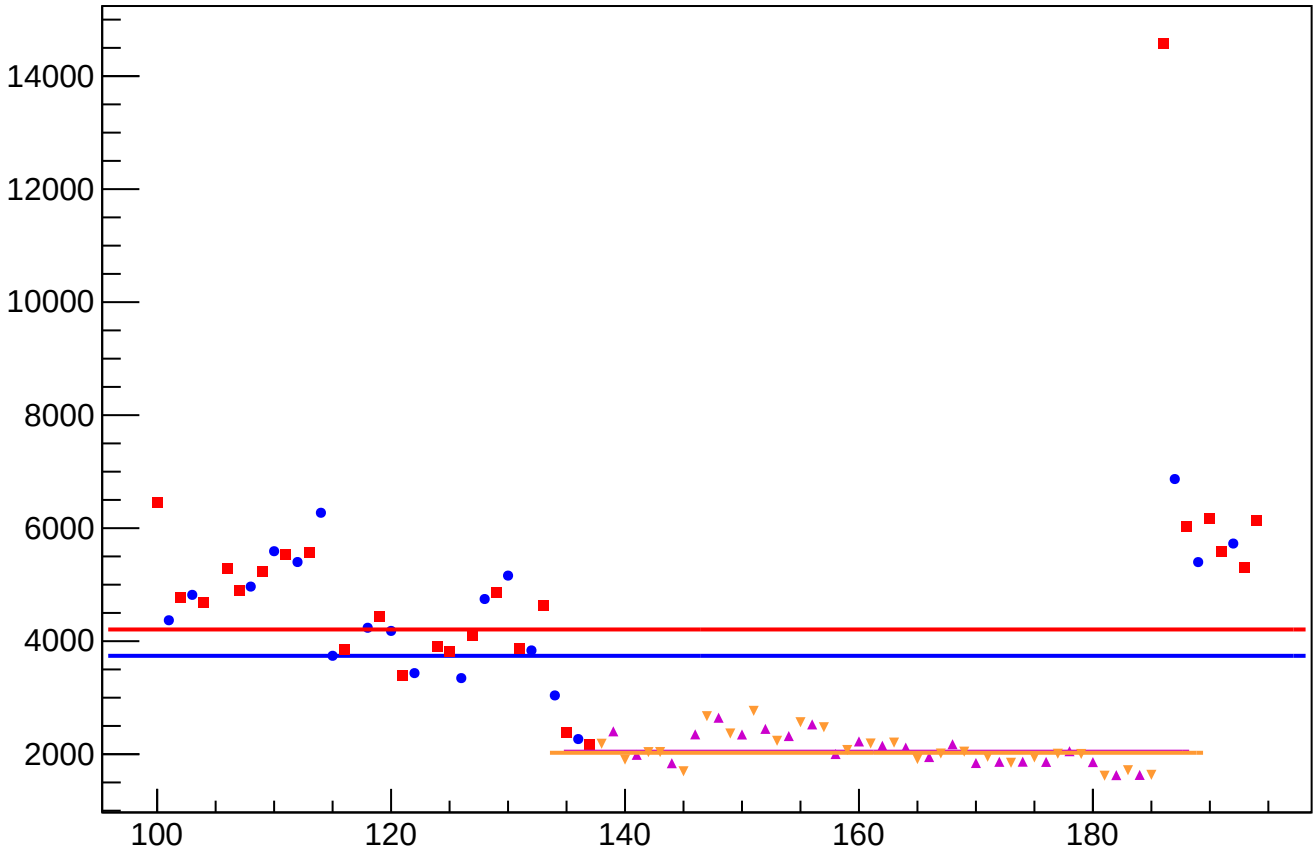
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

Right: -707.951+/-937.105 χ^2/NDF: 47.0/43

In: -387.561+/-453.023 χ^2/NDF:55.0/41

Out: -739.949+/-439.211 χ^2/NDF:68.3/49

All: -569.209+/-315.339 χ^2/NDF: 123.7/91



Right In: 3740.801+/-0.934 χ^2/NDF: 1706531.6/18

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4207.238+/-0.940 χ^2/NDF: 2212573.6/24

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

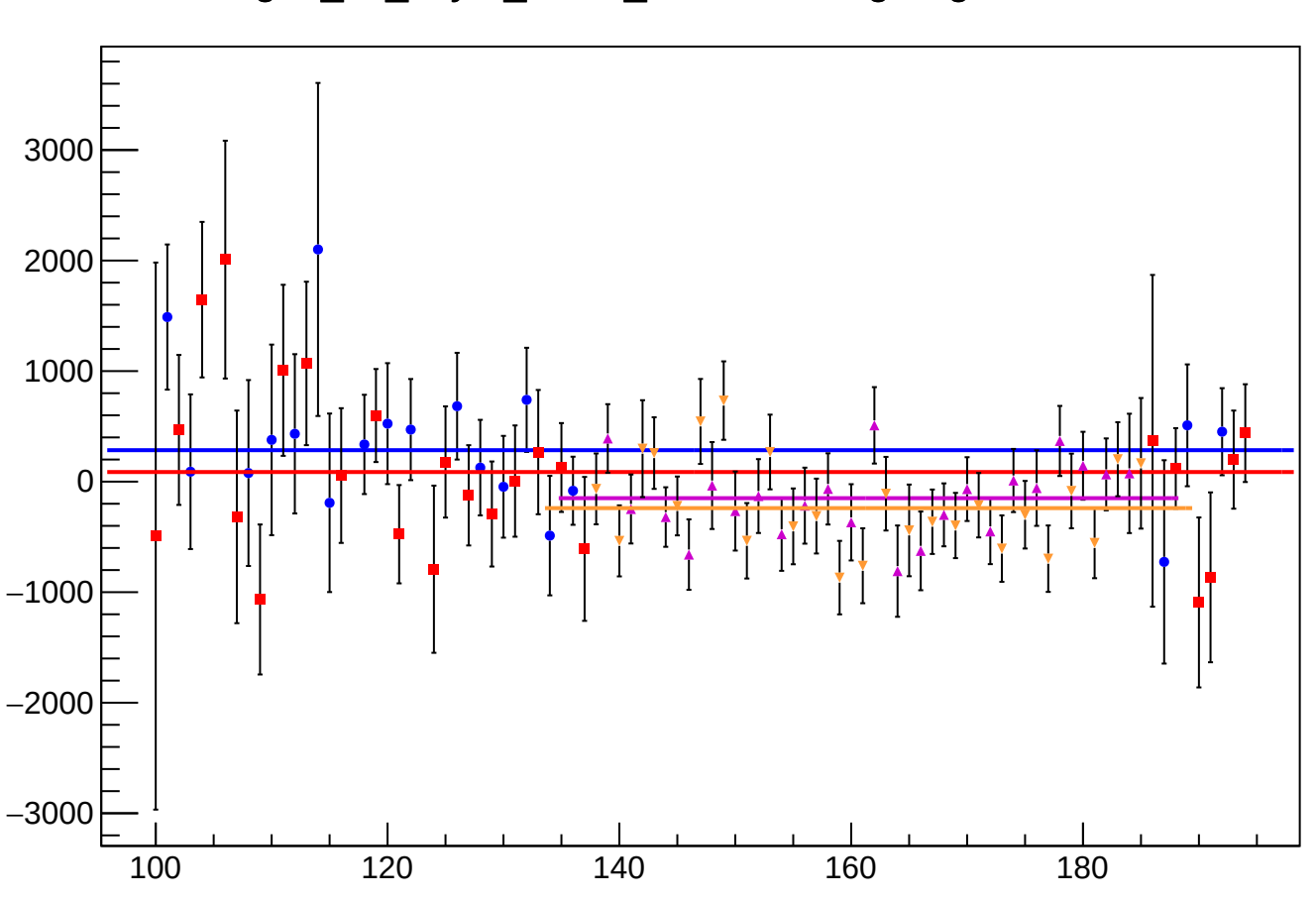
Left: 2034.456+/-0.237 χ^2/NDF: 1287422.7/47

Right: 3972.428+/-0.663 χ^2/NDF: 4042973.4/43

In: 2244.088+/-0.320 χ^2/NDF:5202250.0/41

Out: 2263.126+/-0.311 χ^2/NDF:7711359.6/49

All: 2253.902+/-0.223 χ^2/NDF: 12915430.5/9



Right In: 284.521+/-121.403 χ^2/NDF: 13.0/18

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: 86.859+/-113.532 χ^2/NDF: 25.9/24

Left In: -149.517+/-68.160 χ^2/NDF:21.7/22

Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

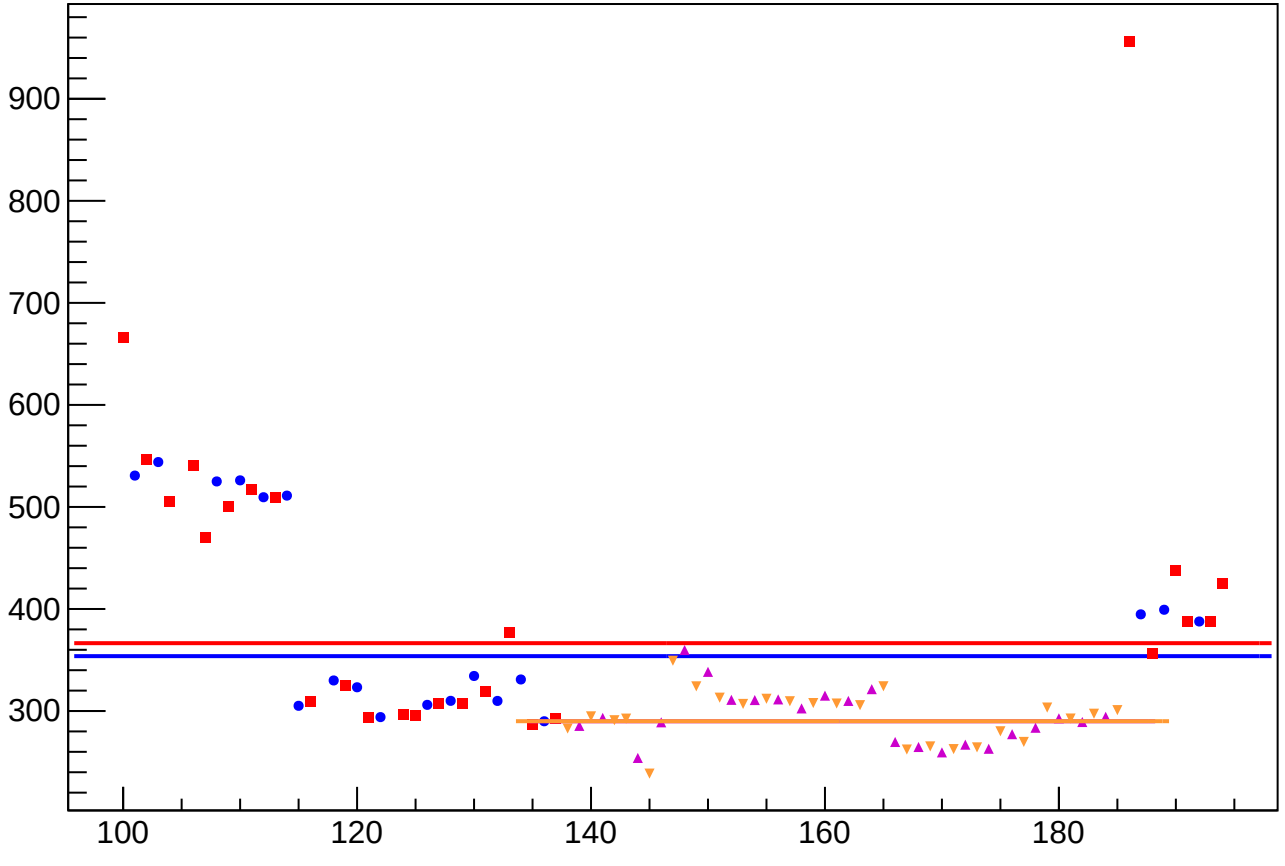
Right: 179.075+/-82.922 χ^2/NDF: 40.4/43

In: -45.494+/-59.433 χ^2/NDF:44.4/41

Out: -156.792+/-57.167 χ^2/NDF:66.2/49

All: -103.306+/-41.201 χ^2/NDF: 112.4/91

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 353.779+/-0.086 χ^2/NDF: 807322.5/18

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 366.499+/-0.080 χ^2/NDF: 1254712.6/24

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

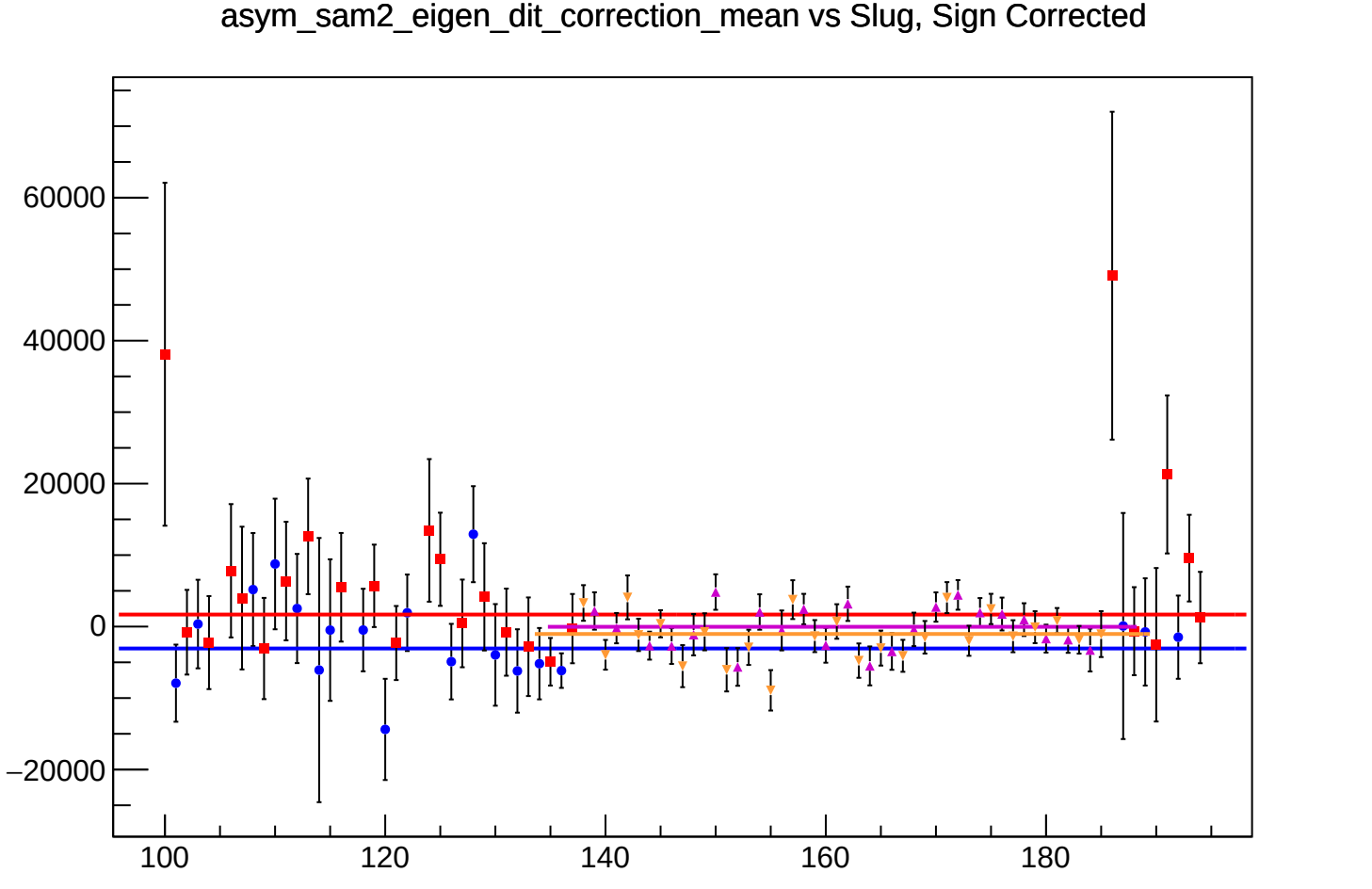
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 360.565+/-0.059 χ^2/NDF: 2073747.9/43

In: 305.241+/-0.042 χ^2/NDF:1497467.7/41

Out: 309.413+/-0.040 χ^2/NDF:2212782.8/49

All: 307.408+/-0.029 χ^2/NDF: 3715370.3/91



Right In: -3066.266+/-1320.767 χ^2/NDF: 16.3/18

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: 1682.774+/-1329.808 χ^2/NDF: 24.3/24

Left In: -30.392+/-482.280 χ^2/NDF:34.1/22

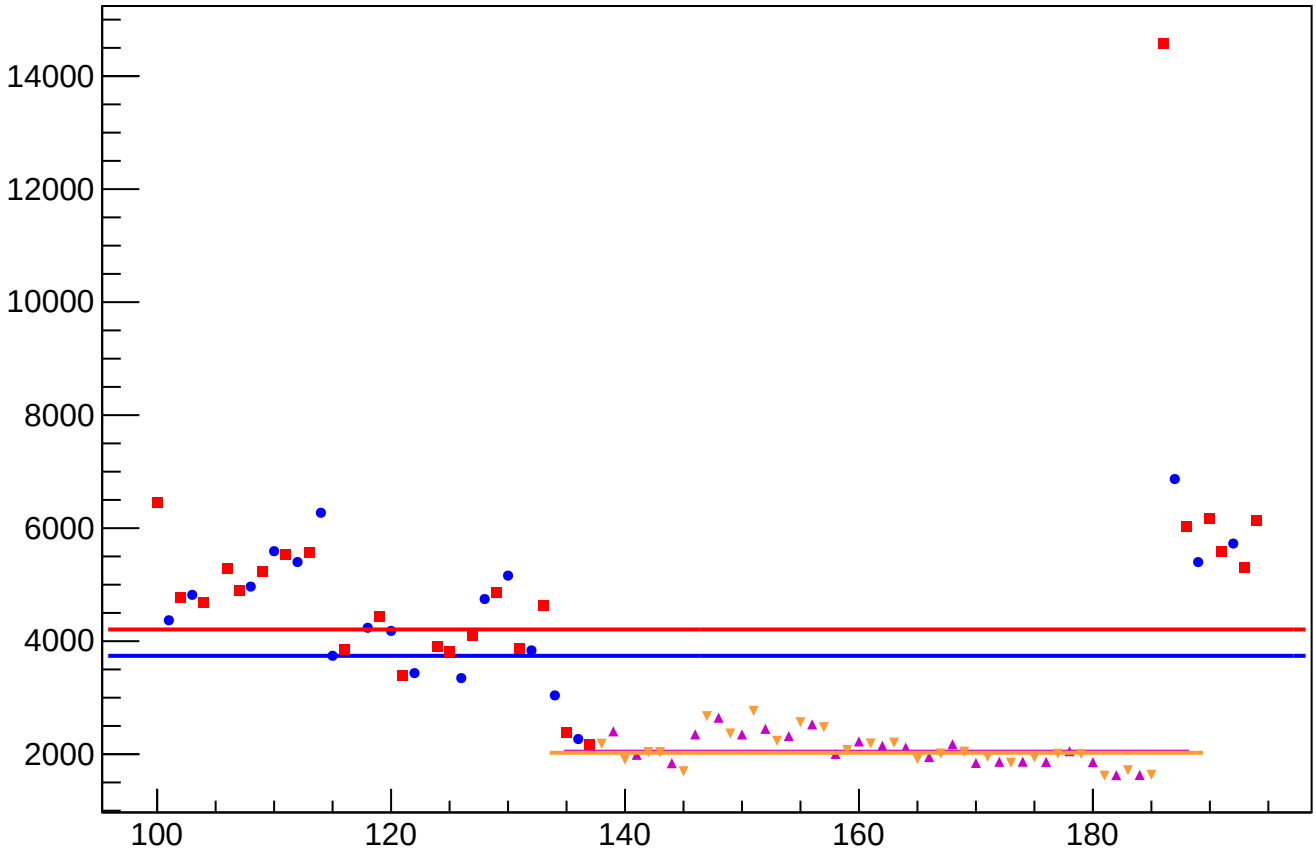
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -707.946+/-937.103 χ^2/NDF: 47.0/43

In: -387.560+/-453.023 χ^2/NDF:55.0/41

Out: -739.947+/-439.211 χ^2/NDF:68.3/49

All: -569.207+/-315.339 χ^2/NDF: 123.7/91



Right In: 3740.797+/-0.934 χ^2/NDF: 1706519.2/18

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4207.233+/-0.940 χ^2/NDF: 2212567.1/24

Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

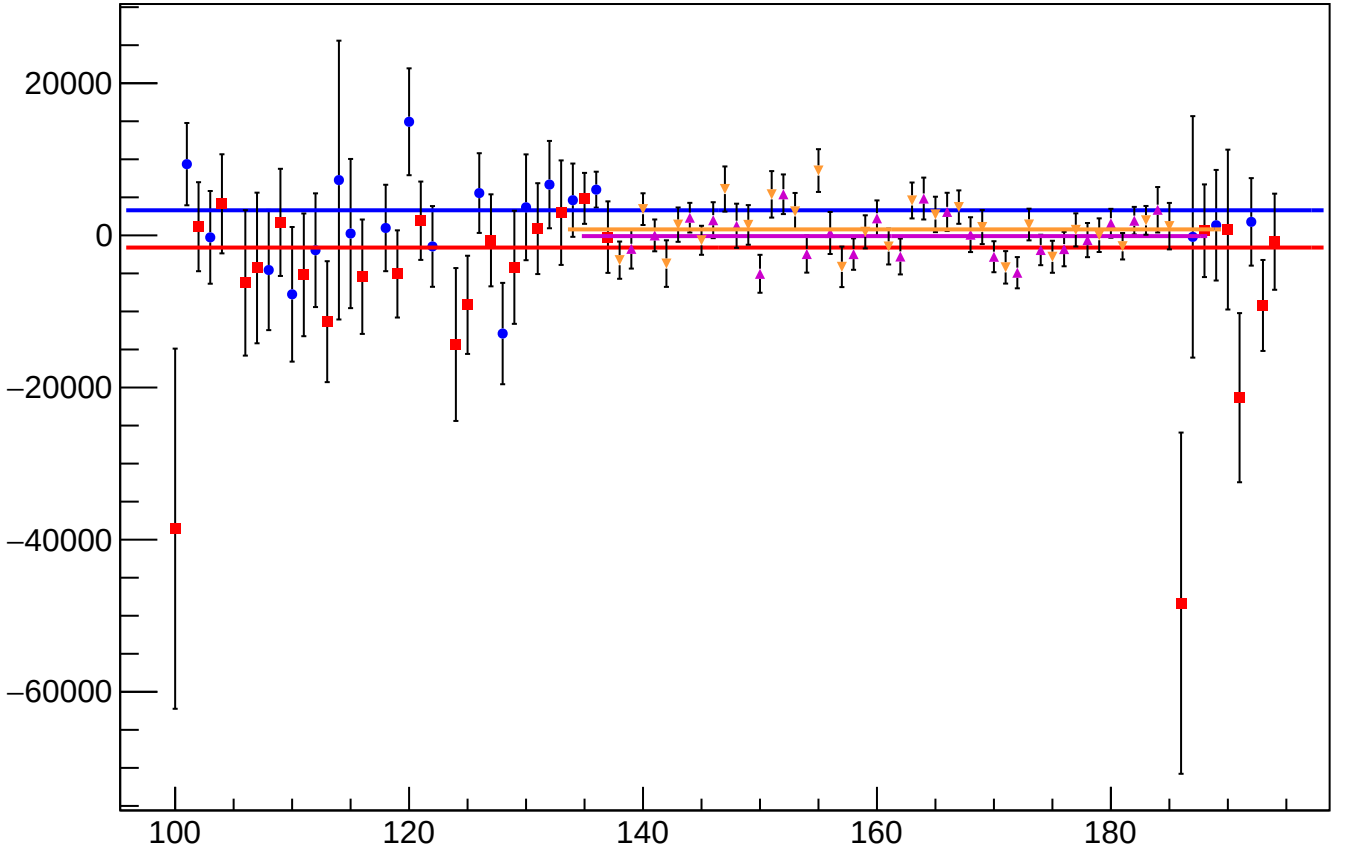
Right: 3972.424+/-0.663 χ^2/NDF: 4042954.2/43

In: 2244.087+/-0.320 χ^2/NDF:5202237.1/41

Out: 2263.127+/-0.311 χ^2/NDF:7711345.7/49

All: 2253.902+/-0.223 χ^2/NDF: 12915403.7/9

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3298.676+/-1298.046 χ^2/NDF: 16.5/18

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: -1600.282+/-1318.800 χ^2/NDF: 23.6/24

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

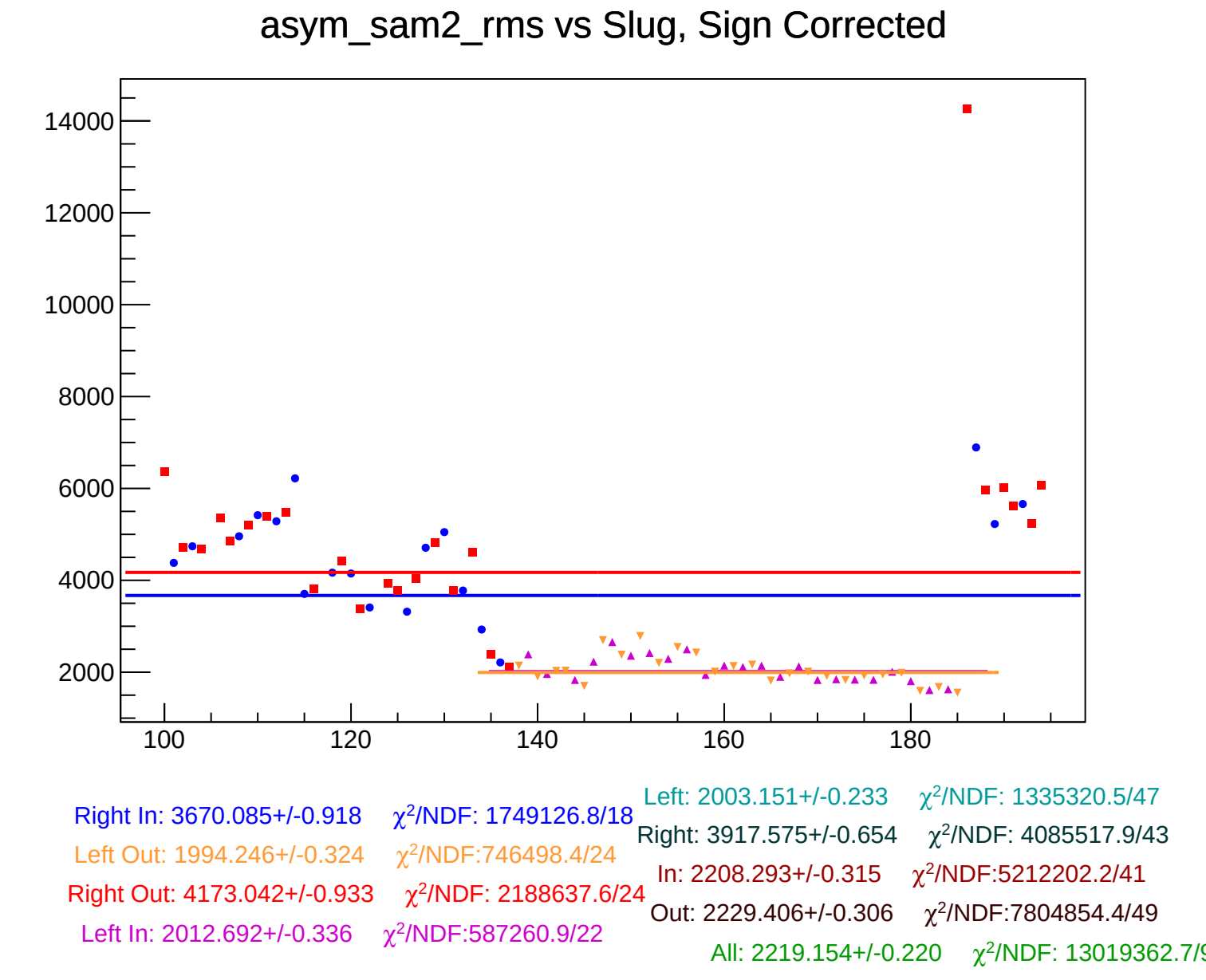
Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

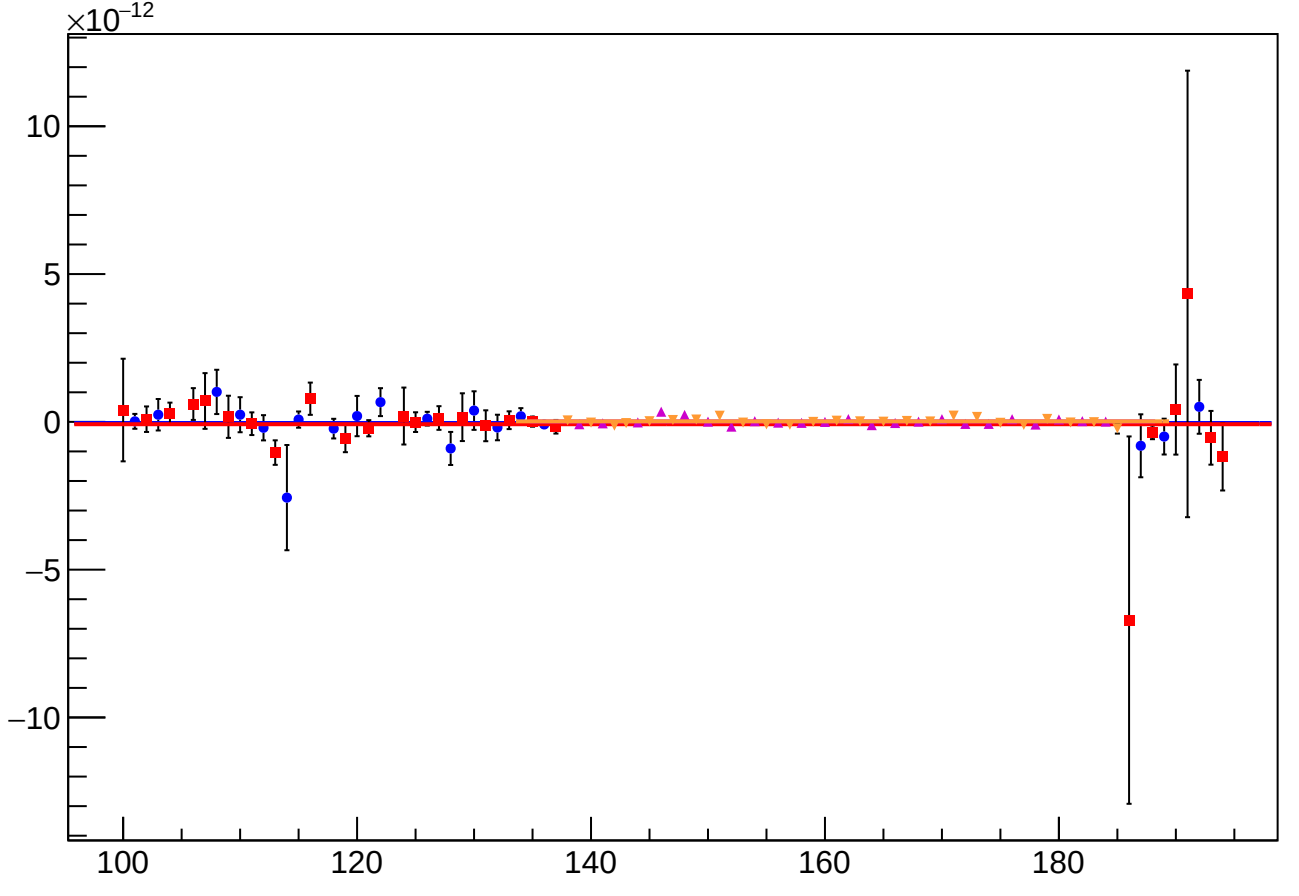
Right: 888.048+/-925.108 χ^2/NDF: 47.2/43

In: 303.988+/-445.927 χ^2/NDF:55.4/41

Out: 530.516+/-433.264 χ^2/NDF:67.9/49

All: 420.514+/-310.744 χ^2/NDF: 123.4/91


asym_sam2_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
Right In: 3670.085+/-0.918 χ²/NDF: 1749126.8/18
Left Out: 1994.246+/-0.324 χ²/NDF:746498.4/24
Right Out: 4173.042+/-0.933 χ²/NDF: 2188637.6/24
Left In: 2012.692+/-0.336 χ²/NDF:587260.9/22
Left: 2003.151+/-0.233 χ²/NDF: 1335320.5/47
Right: 3917.575+/-0.654 χ²/NDF: 4085517.9/43
In: 2208.293+/-0.315 χ²/NDF:5212202.2/41
Out: 2229.406+/-0.306 χ²/NDF:7804854.4/49
All: 2219.154+/-0.220 χ²/NDF: 13019362.7/9



Right In: -0.000+/-0.000 χ^2/NDF: 13.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/24

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

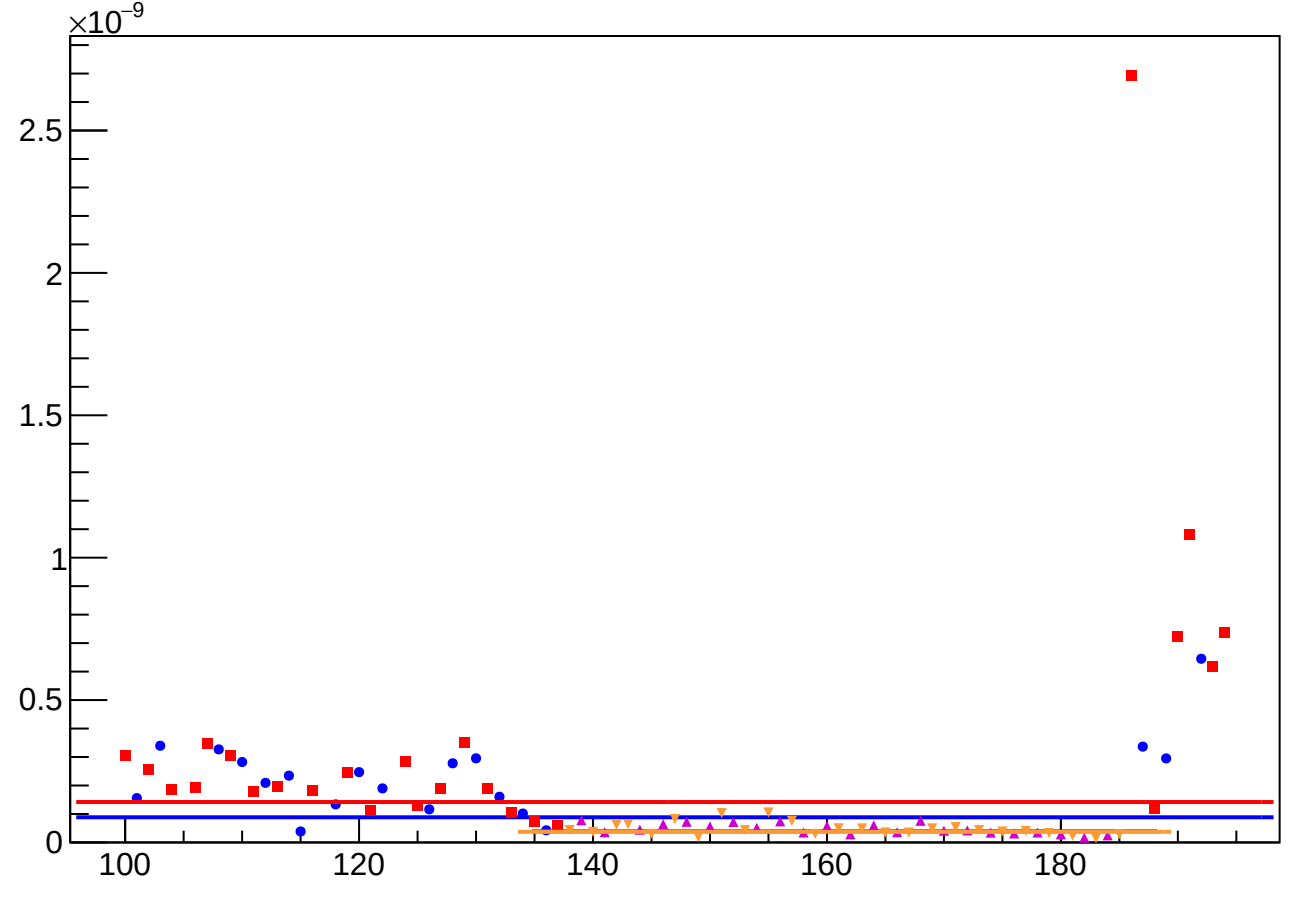
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 31.5/43

In: 0.000+/-0.000 χ^2/NDF:44.8/41

Out: 0.000+/-0.000 χ^2/NDF:40.7/49

All: 0.000+/-0.000 χ^2/NDF: 85.5/91



Right In: 0.000+/-0.000 χ^2/NDF: 3806201.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3187406.0/24

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

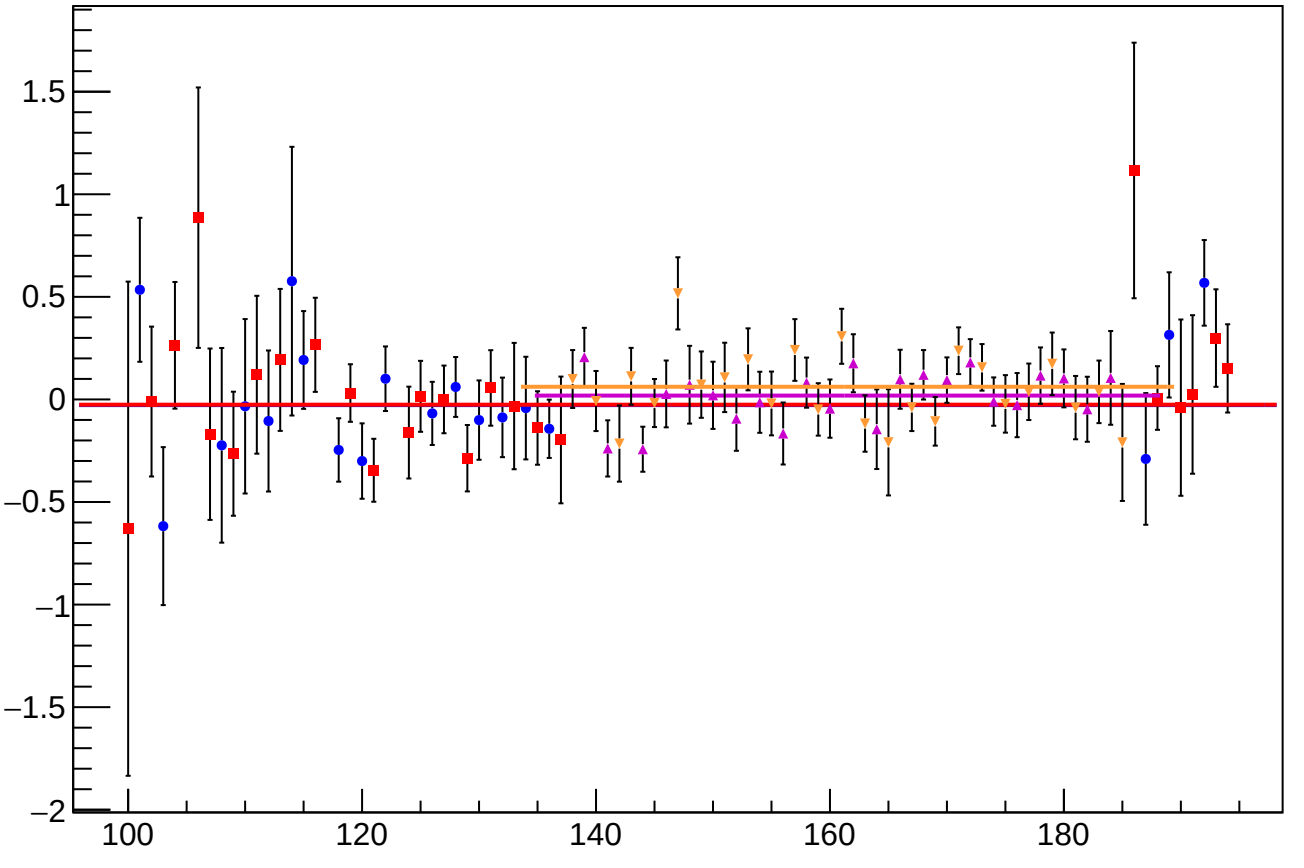
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 7575950.2/43

In: 0.000+/-0.000 χ^2/NDF:6976846.4/41

Out: 0.000+/-0.000 χ^2/NDF:8886613.3/49

All: 0.000+/-0.000 χ^2/NDF: 15872628.6/91



Right In: -0.028+/-0.049 χ^2/NDF: 23.1/18

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.026+/-0.046 χ^2/NDF: 20.5/24

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

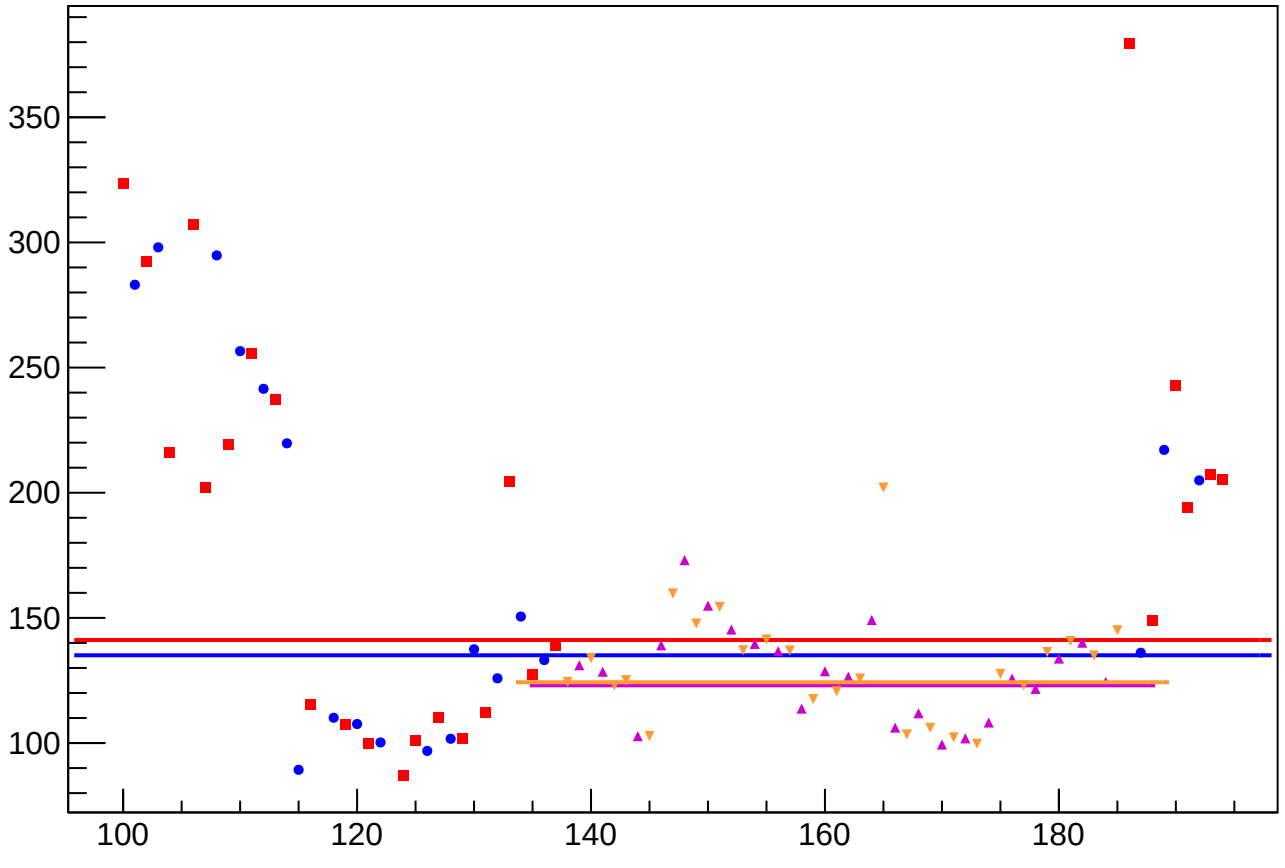
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.027+/-0.034 χ^2/NDF: 43.7/43

In: 0.007+/-0.025 χ^2/NDF:44.1/41

Out: 0.037+/-0.024 χ^2/NDF:50.5/49

All: 0.022+/-0.017 χ^2/NDF: 95.4/91



Right In: 135.068+/-0.035 χ^2/NDF: 2207347.6/18

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 141.162+/-0.033 χ^2/NDF: 2773673.3/24

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

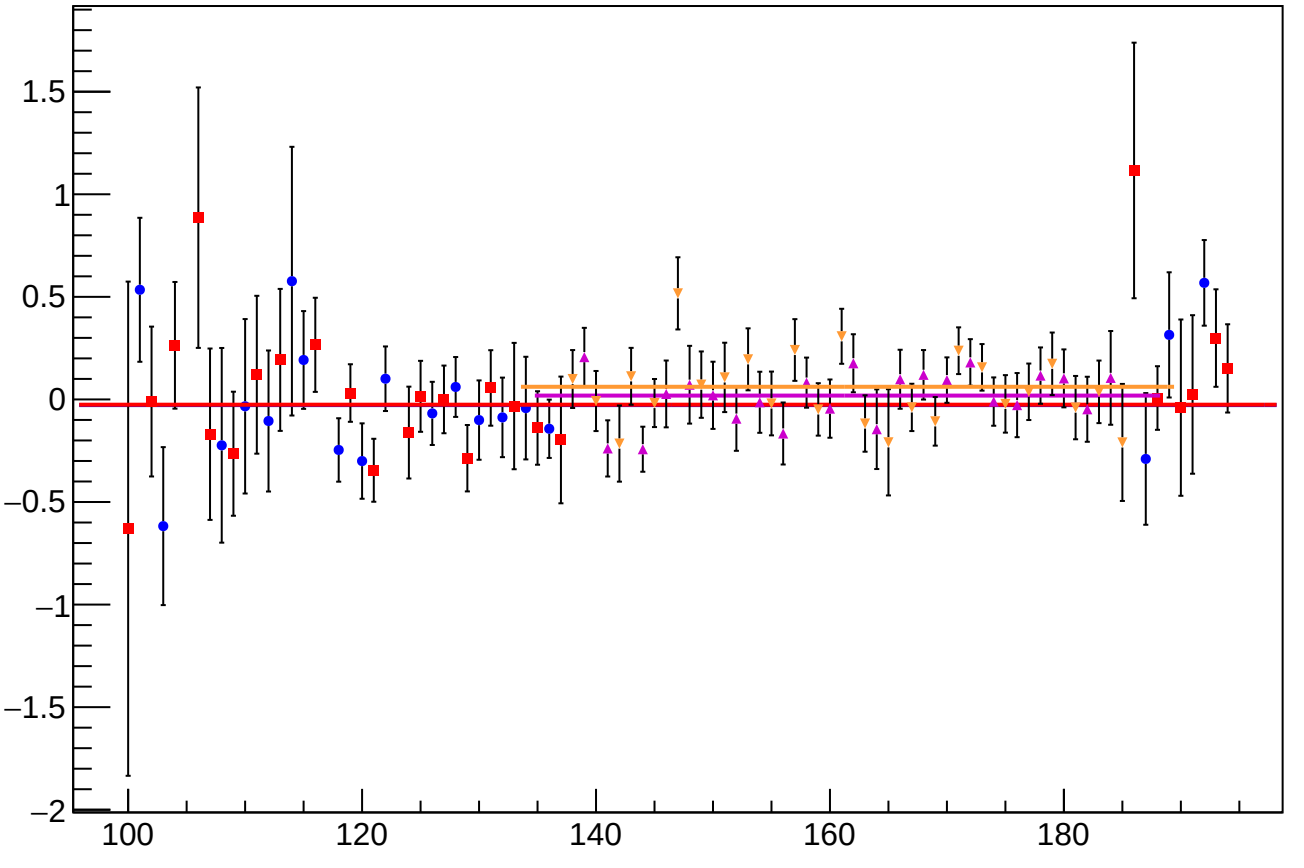
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 138.302+/-0.024 χ^2/NDF: 4997437.3/43

In: 126.229+/-0.018 χ^2/NDF:3014579.8/41

Out: 129.002+/-0.017 χ^2/NDF:3807871.1/49

All: 127.661+/-0.012 χ^2/NDF: 6834994.0/91



Right In: -0.028+/-0.049 χ^2/NDF: 23.1/18

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.026+/-0.046 χ^2/NDF: 20.5/24

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

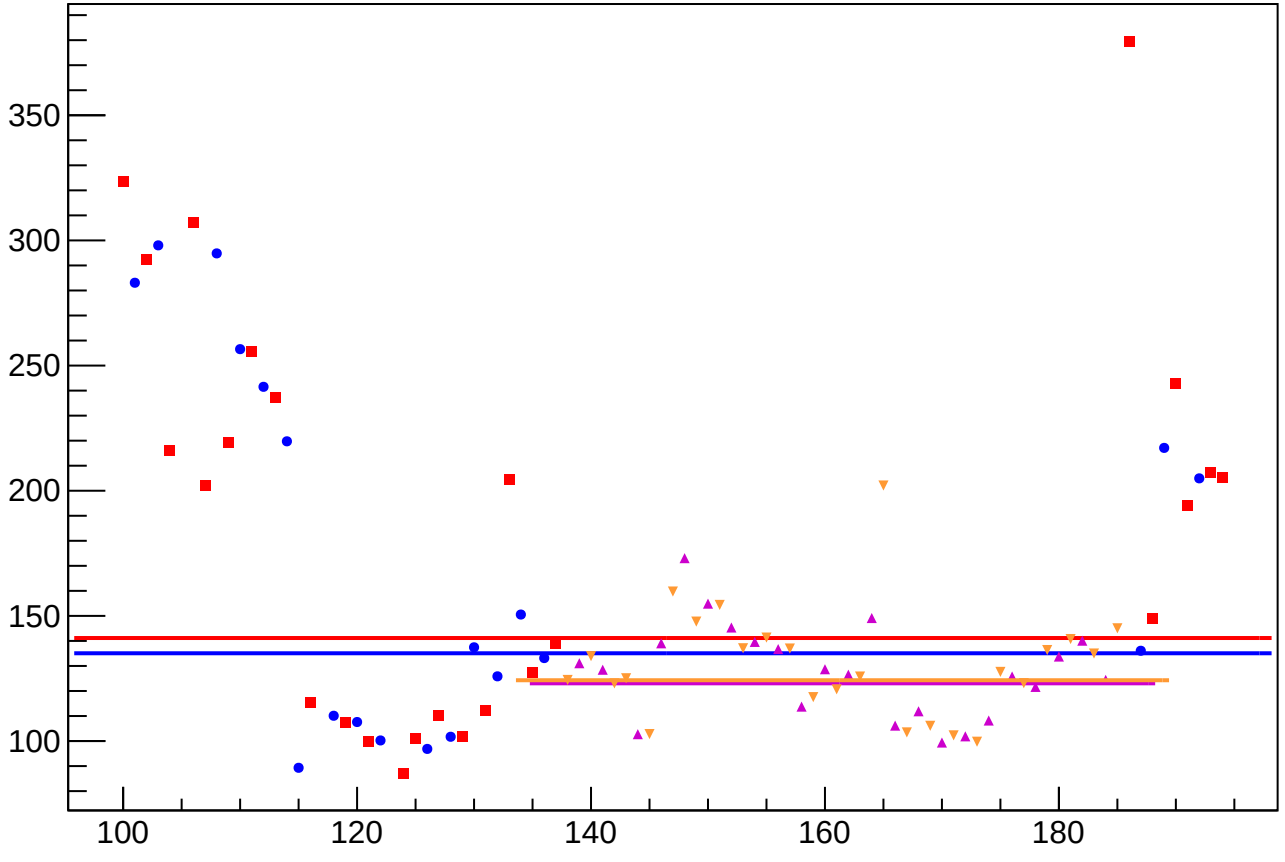
Right: -0.027+/-0.034 χ^2/NDF: 43.7/43

In: 0.007+/-0.025 χ^2/NDF:44.1/41

Out: 0.037+/-0.024 χ^2/NDF:50.5/49

All: 0.022+/-0.017 χ^2/NDF: 95.4/91

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 135.068+/-0.035 χ^2/NDF: 2207347.6/18

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 141.162+/-0.033 χ^2/NDF: 2773673.3/24

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

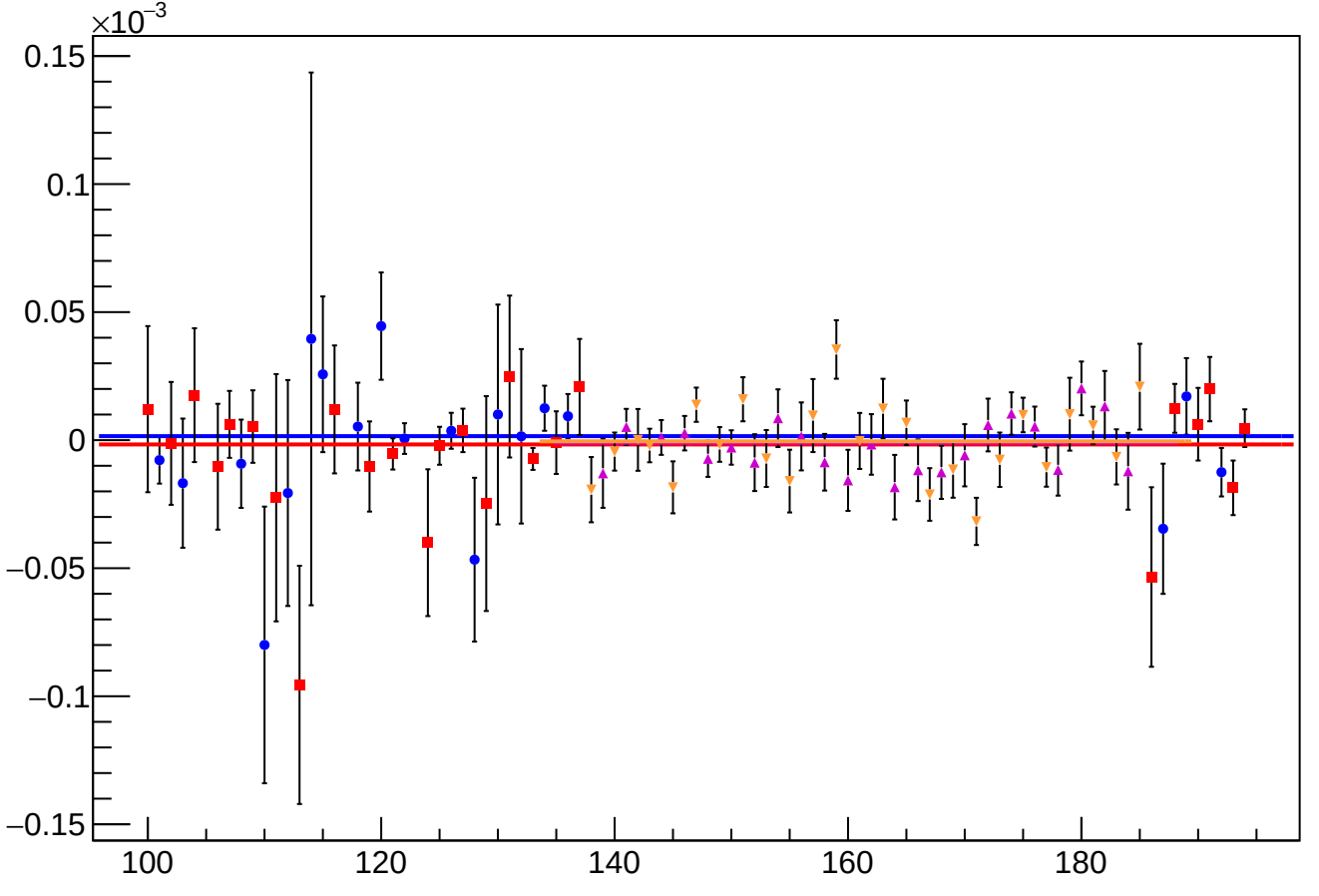
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 138.302+/-0.024 χ^2/NDF: 4997437.3/43

In: 126.229+/-0.018 χ^2/NDF:3014579.8/41

Out: 129.002+/-0.017 χ^2/NDF:3807871.1/49

All: 127.661+/-0.012 χ^2/NDF: 6834994.0/91



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.9/24

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

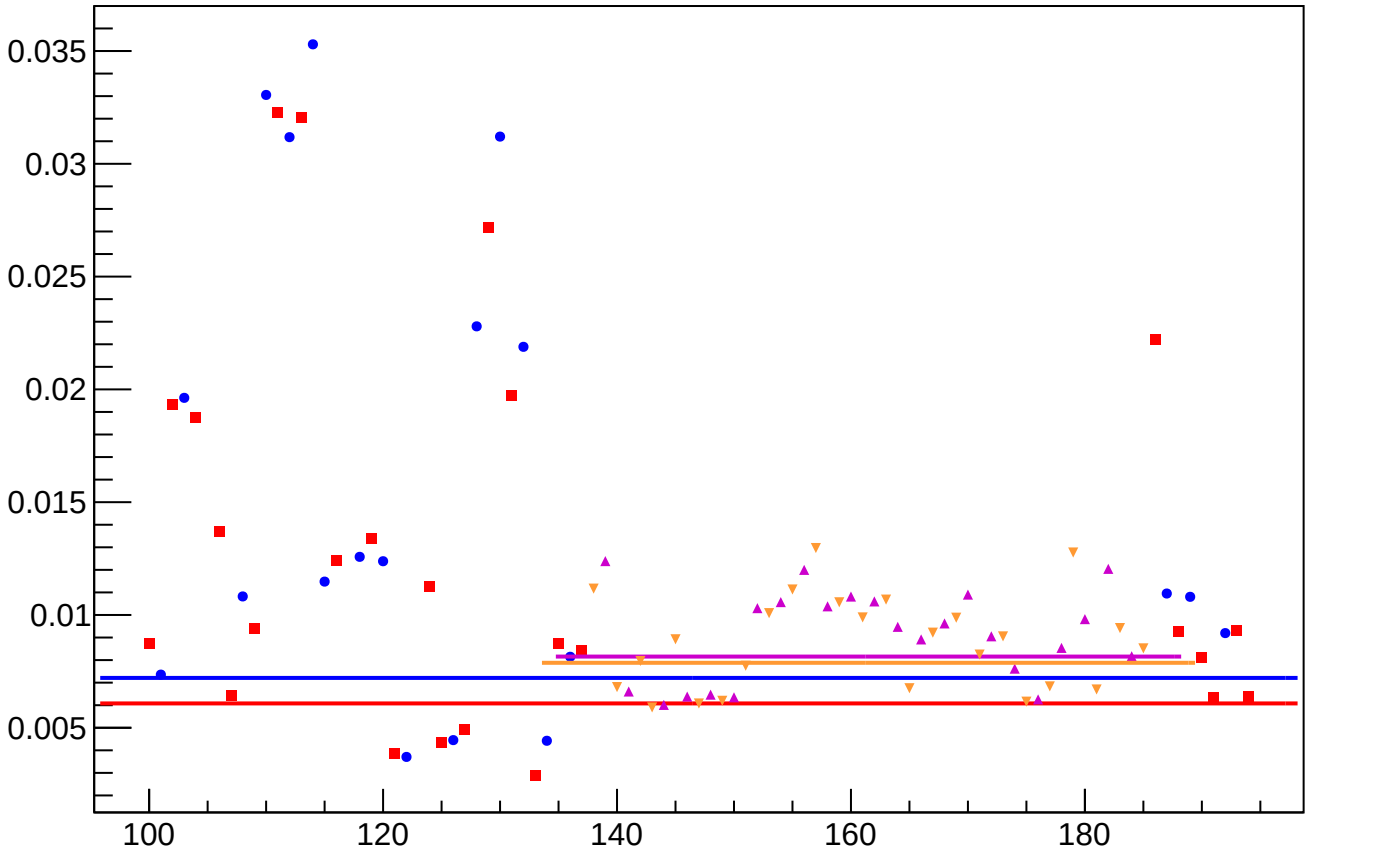
Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

Right: -0.000+/-0.000 χ^2/NDF: 44.3/43

In: -0.000+/-0.000 χ^2/NDF:40.1/41

Out: -0.000+/-0.000 χ^2/NDF:76.6/49

All: -0.000+/-0.000 χ^2/NDF: 116.8/91



Right In: 0.007+/-0.000 χ^2/NDF: 5057461.4/18

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 6569479.4/24

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

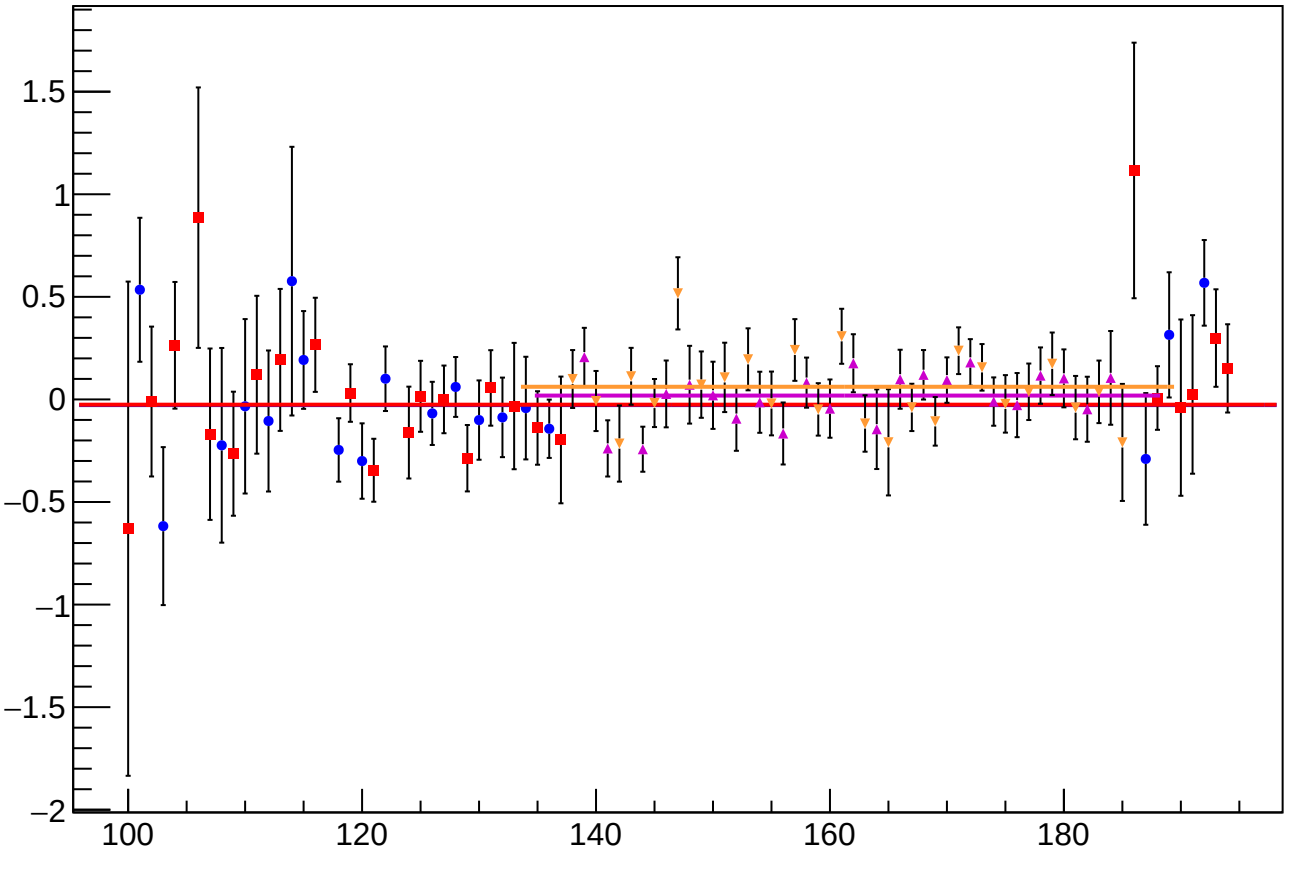
Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

Right: 0.007+/-0.000 χ^2/NDF: 11816836.6/43

In: 0.008+/-0.000 χ^2/NDF:7219768.3/41

Out: 0.007+/-0.000 χ^2/NDF:9412932.3/49

All: 0.007+/-0.000 χ^2/NDF: 16843506.1/91



Right In: -0.028+/-0.049 χ^2/NDF: 23.1/18

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.026+/-0.046 χ^2/NDF: 20.5/24

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

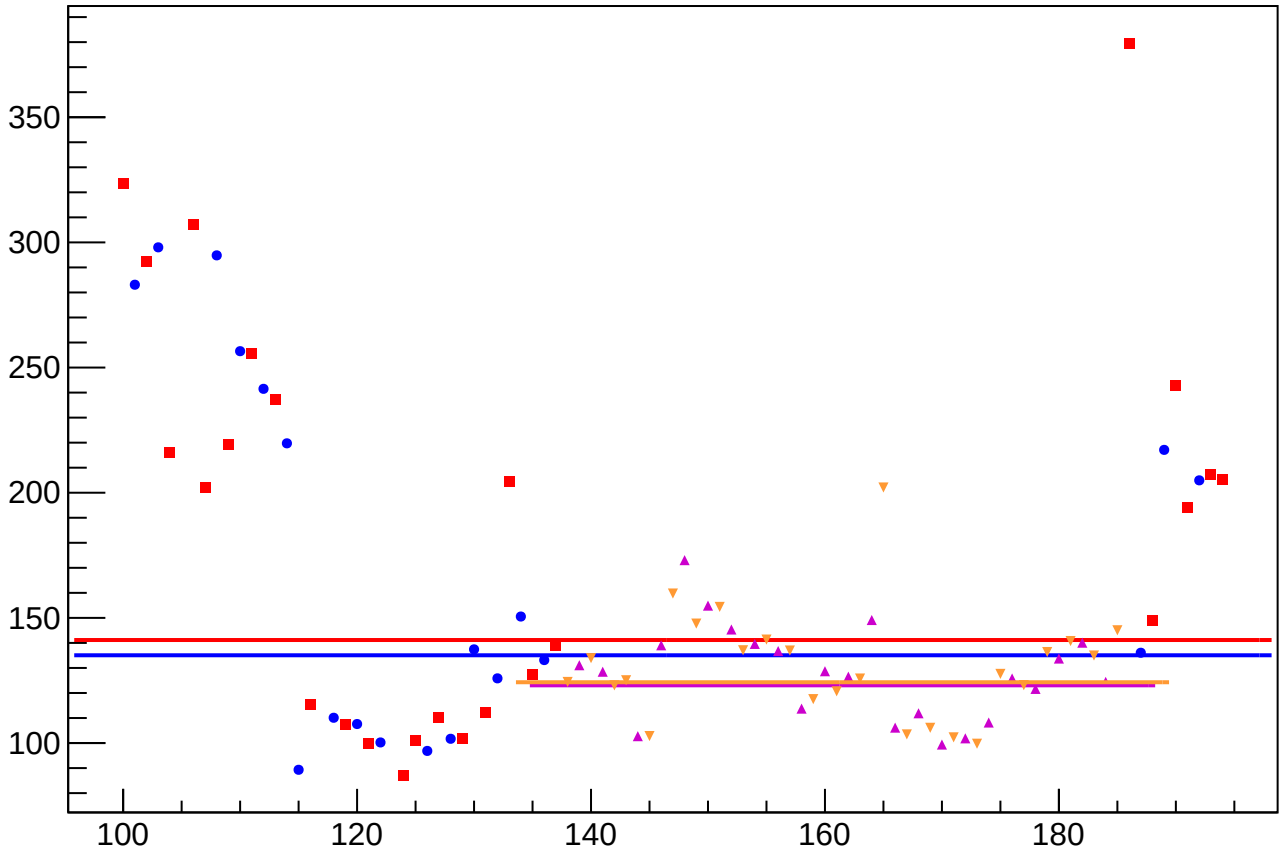
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.027+/-0.034 χ^2/NDF: 43.7/43

In: 0.007+/-0.025 χ^2/NDF:44.1/41

Out: 0.037+/-0.024 χ^2/NDF:50.5/49

All: 0.022+/-0.017 χ^2/NDF: 95.4/91



Right In: 135.066+/-0.035 χ^2/NDF: 2207333.8/18

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 141.160+/-0.033 χ^2/NDF: 2773721.6/24

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

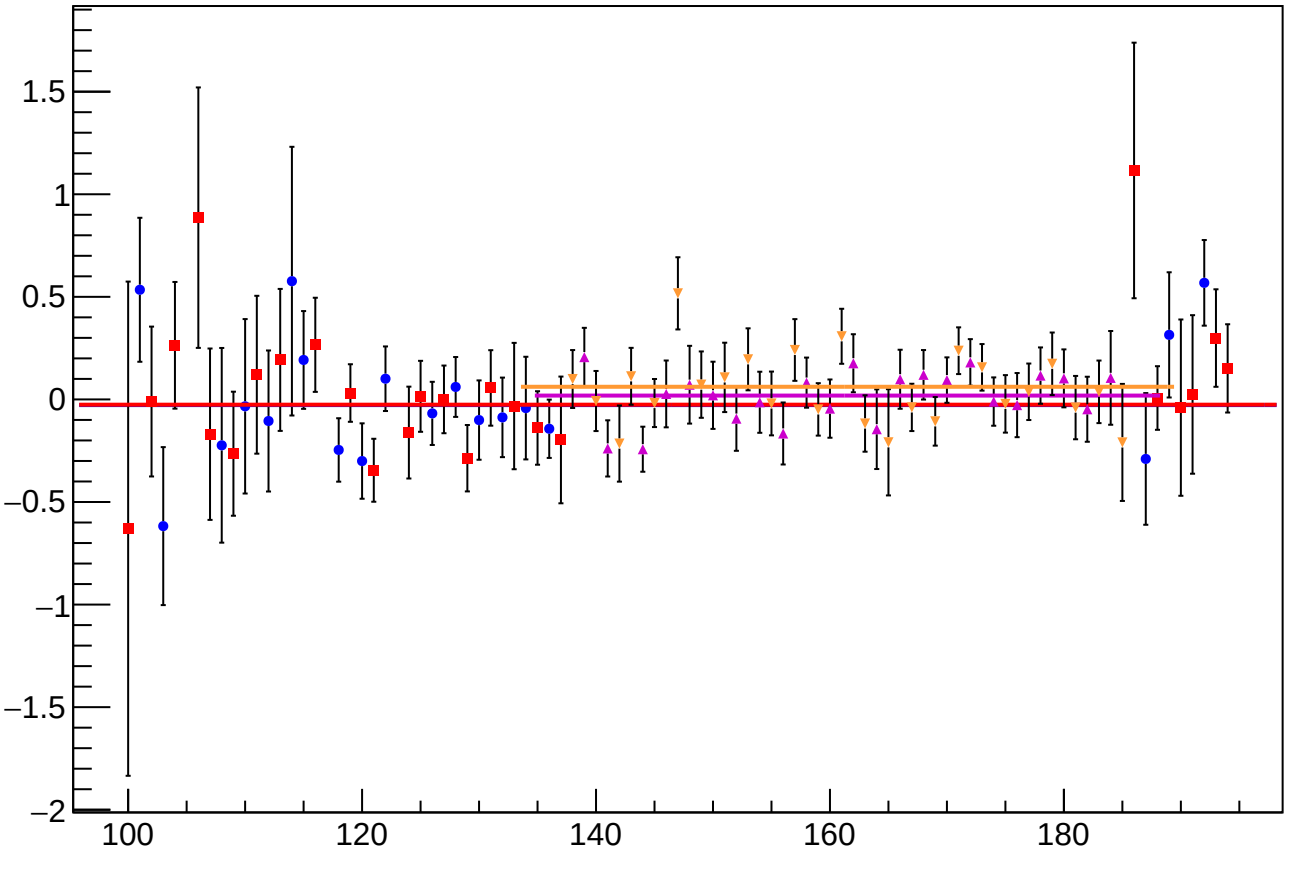
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 138.299+/-0.024 χ^2/NDF: 4997473.1/43

In: 126.228+/-0.018 χ^2/NDF:3014552.9/41

Out: 129.002+/-0.017 χ^2/NDF:3807916.0/49

All: 127.661+/-0.012 χ^2/NDF: 6835012.9/91



Right In: -0.028+/-0.049 χ^2/NDF: 23.1/18

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.026+/-0.046 χ^2/NDF: 20.5/24

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

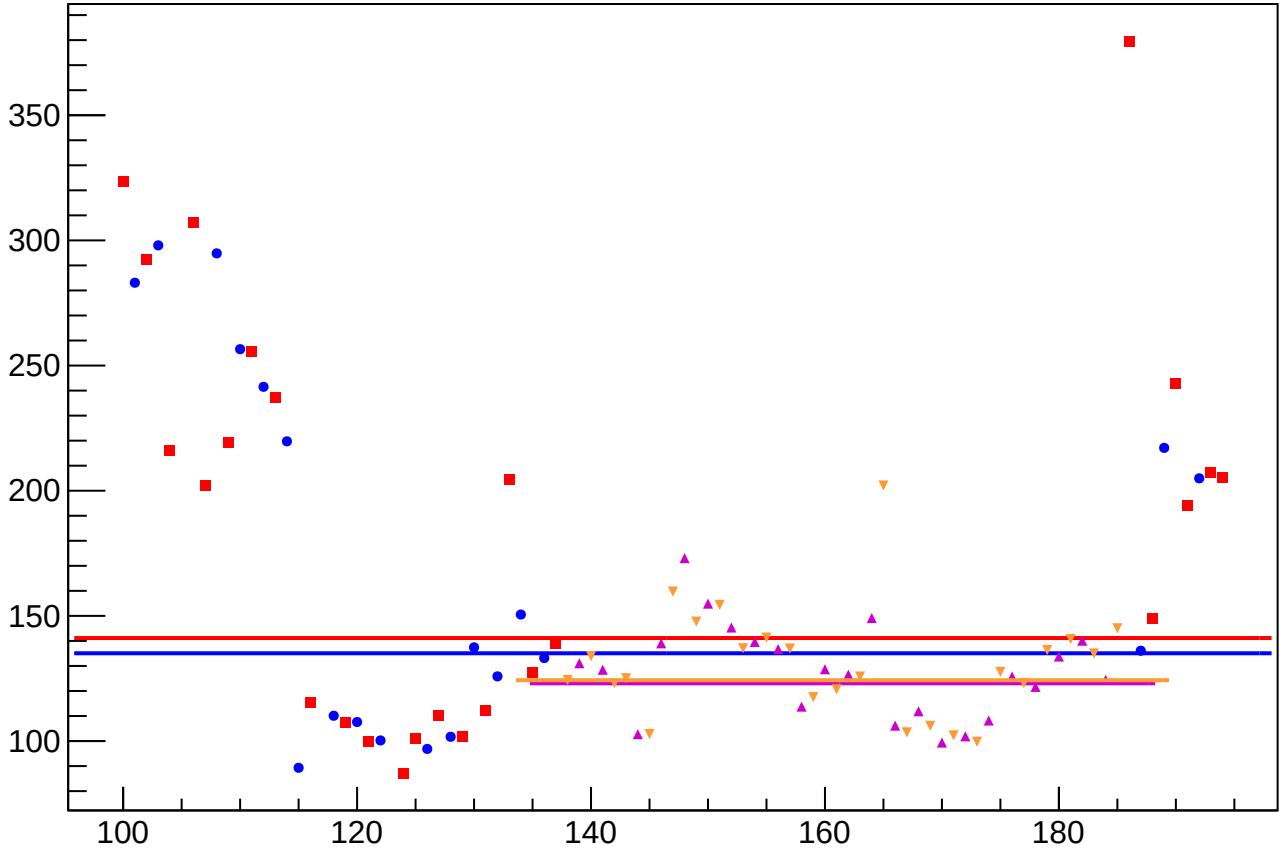
Right: -0.027+/-0.034 χ^2/NDF: 43.7/43

In: 0.007+/-0.025 χ^2/NDF:44.1/41

Out: 0.037+/-0.024 χ^2/NDF:50.5/49

All: 0.022+/-0.017 χ^2/NDF: 95.4/91

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 135.066+/-0.035 χ^2/NDF: 2207333.8/18

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 141.160+/-0.033 χ^2/NDF: 2773721.6/24

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

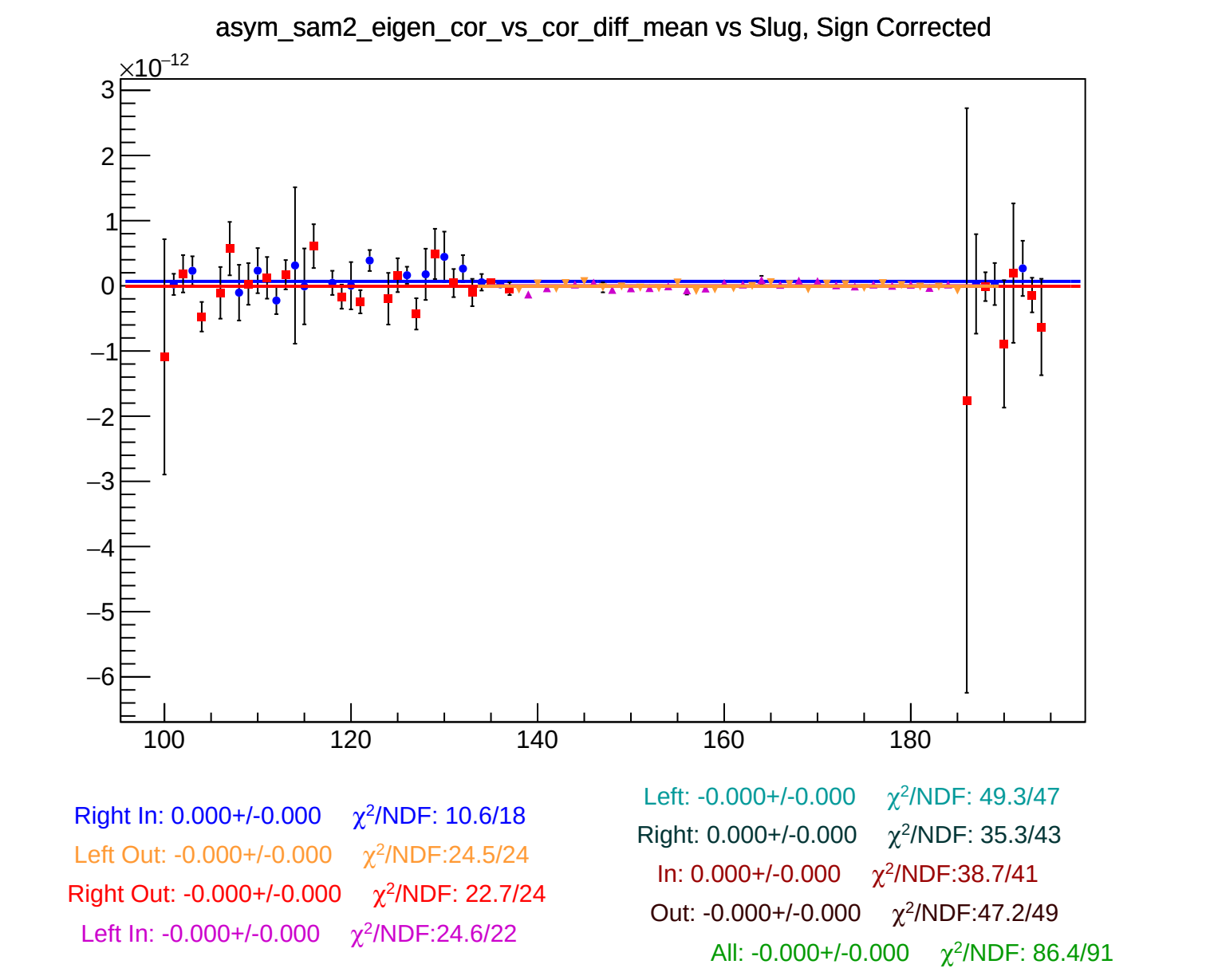
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 138.299+/-0.024 χ^2/NDF: 4997473.1/43

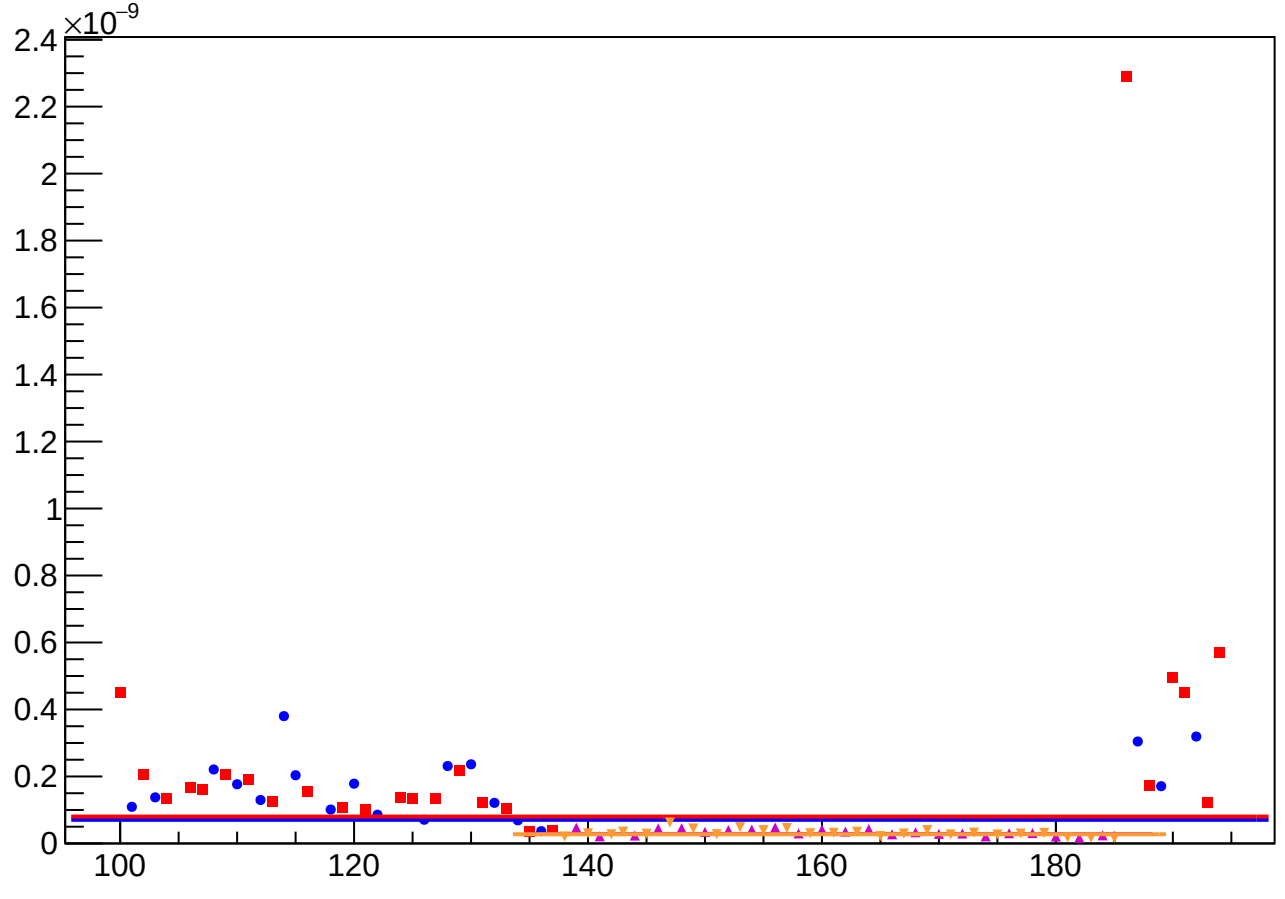
In: 126.228+/-0.018 χ^2/NDF:3014552.9/41

Out: 129.002+/-0.017 χ^2/NDF:3807916.0/49

All: 127.661+/-0.012 χ^2/NDF: 6835012.9/91


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
Right In: 0.000+/-0.000 χ²/NDF: 10.6/18
Left Out: -0.000+/-0.000 χ²/NDF:24.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 22.7/24
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: 35.3/43
In: 0.000+/-0.000 χ²/NDF:38.7/41
Out: -0.000+/-0.000 χ²/NDF:47.2/49
All: -0.000+/-0.000 χ²/NDF: 86.4/91

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4271087.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6073316.8/24

Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

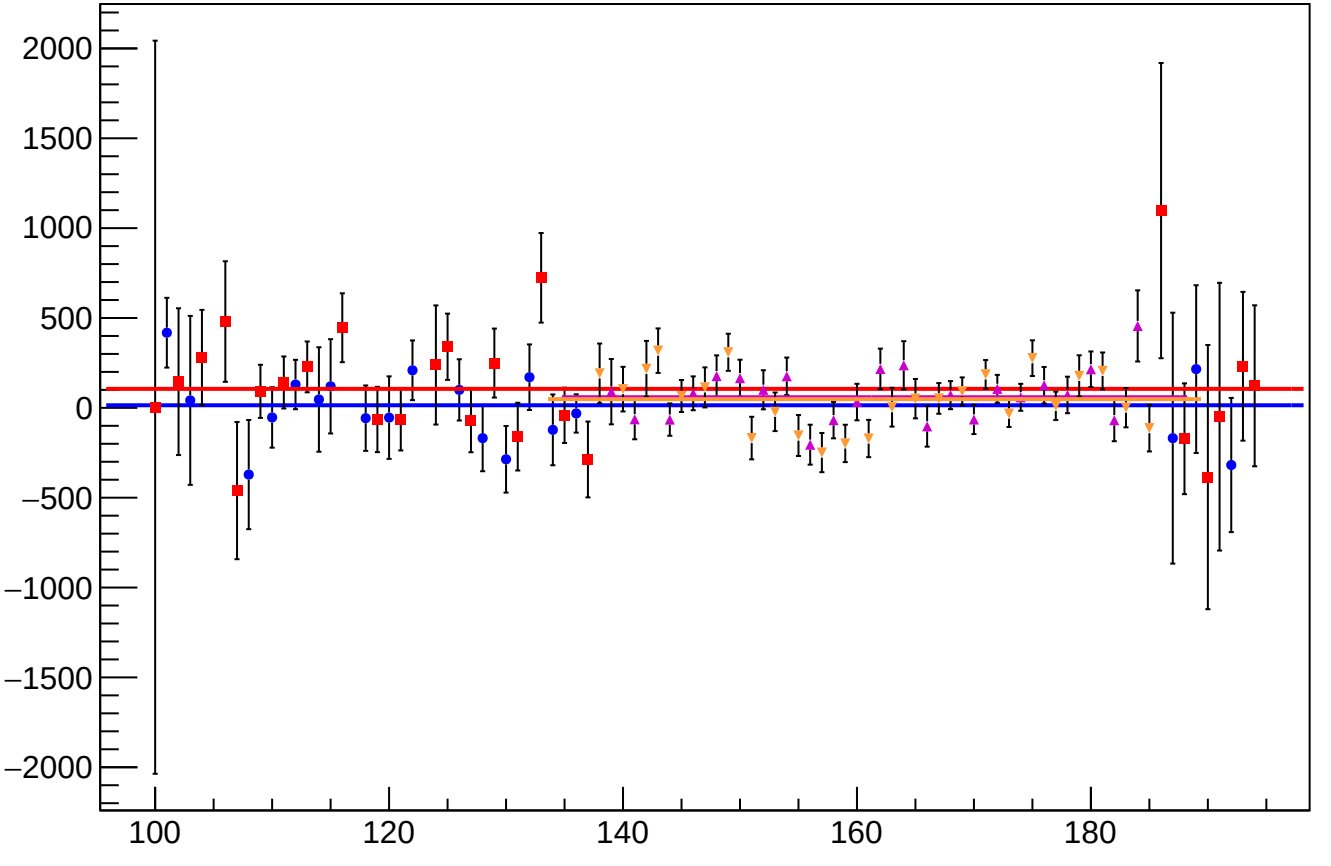
Right: 0.000+/-0.000 χ^2/NDF: 10412394.8/43

In: 0.000+/-0.000 χ^2/NDF:9127609.5/41

Out: 0.000+/-0.000 χ^2/NDF:12117003.3/49

All: 0.000+/-0.000 χ^2/NDF: 21253209.1/91

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 14.370+/-45.059 χ^2/NDF: 14.9/18

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: 105.612+/-44.601 χ^2/NDF: 28.3/24

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

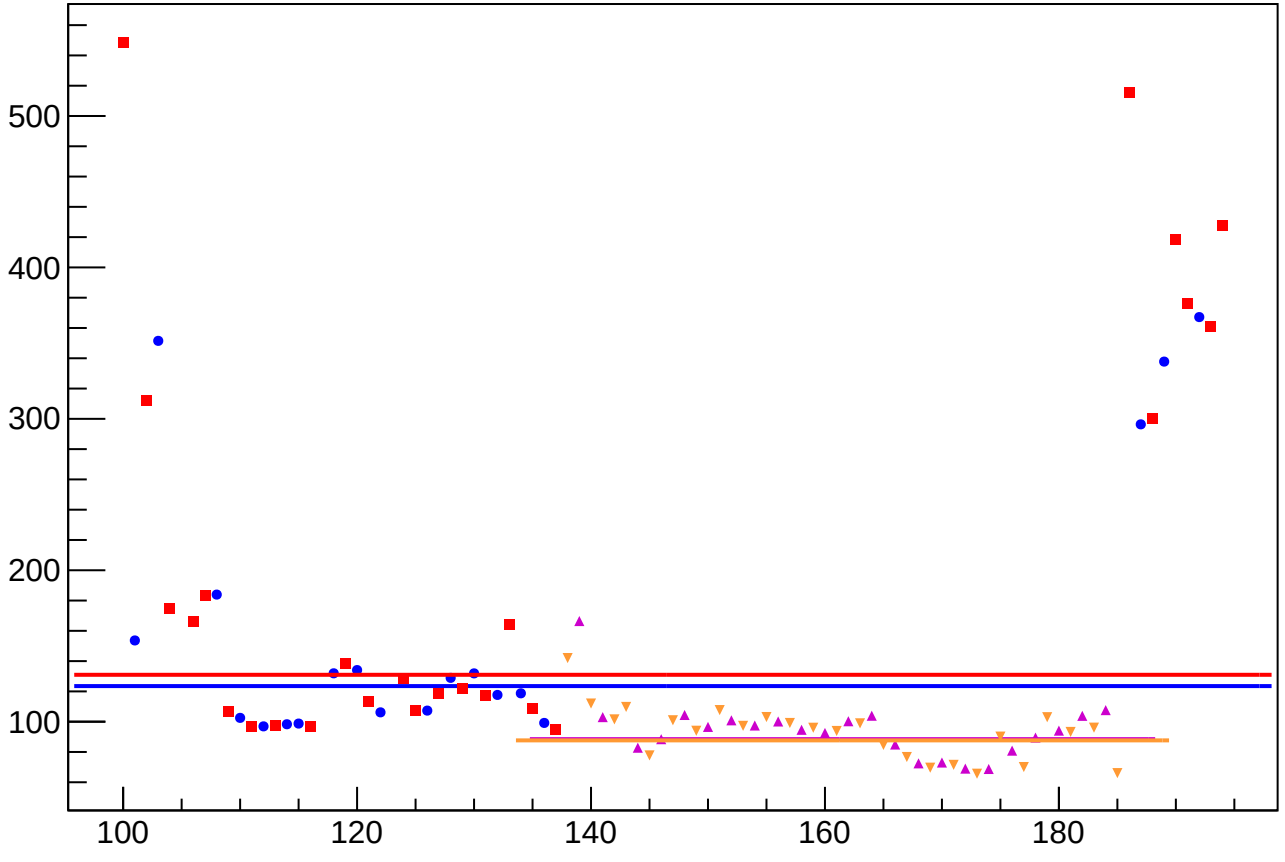
Right: 60.456+/-31.698 χ^2/NDF: 45.3/43

In: 50.949+/-19.150 χ^2/NDF:46.3/41

Out: 58.310+/-18.569 χ^2/NDF:83.3/49

All: 54.743+/-13.331 χ^2/NDF: 129.7/91

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 123.509+/-0.032 χ^2/NDF: 2294194.9/18

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 130.964+/-0.032 χ^2/NDF: 4208551.6/24

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

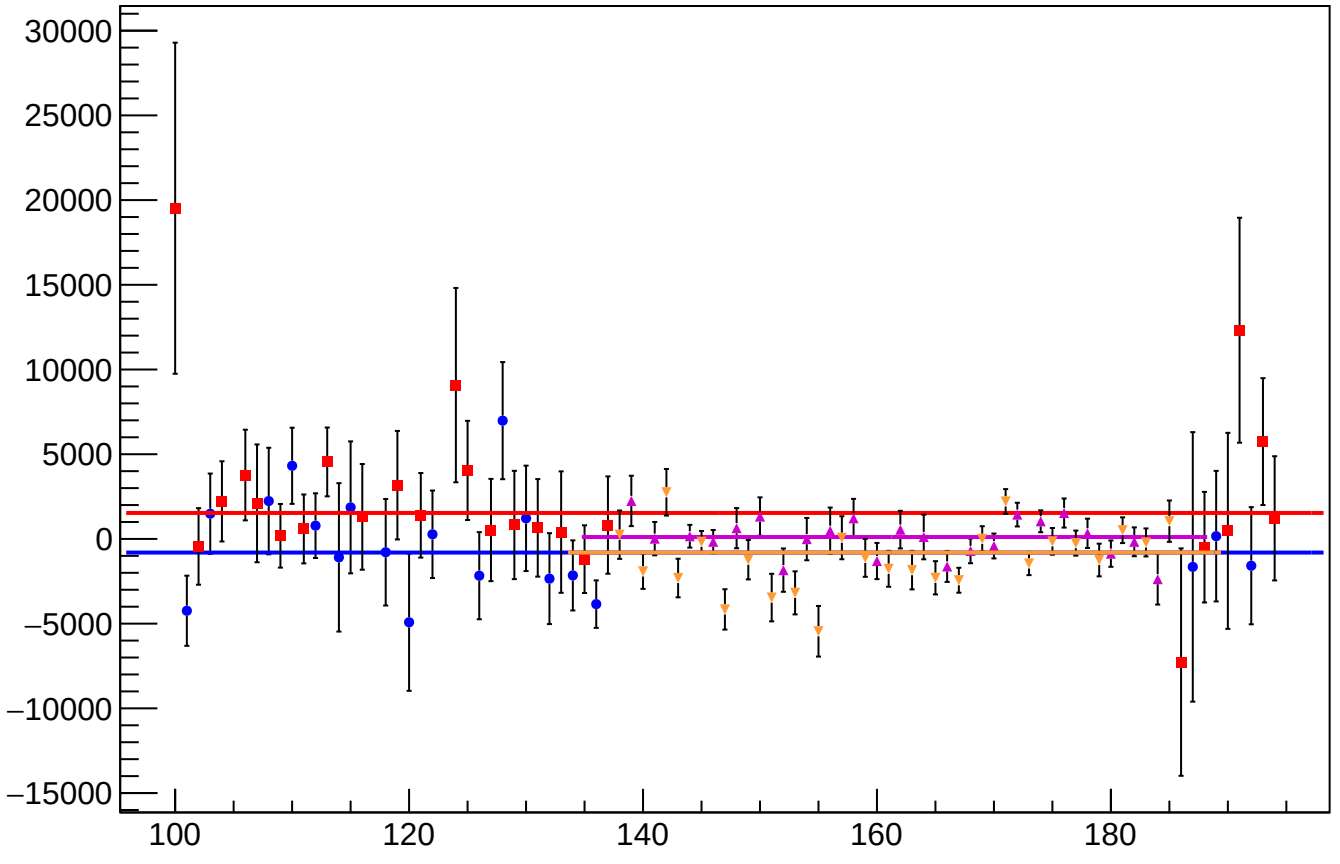
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 127.275+/-0.022 χ^2/NDF: 6530403.0/43

In: 94.809+/-0.014 χ^2/NDF:4360137.7/41

Out: 95.163+/-0.013 χ^2/NDF:6980702.8/49

All: 94.991+/-0.009 χ^2/NDF: 11341191.0/91



Right In: -804.167+/-597.397 χ^2/NDF: 23.6/18

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: 1533.302+/-579.801 χ^2/NDF: 19.0/24

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

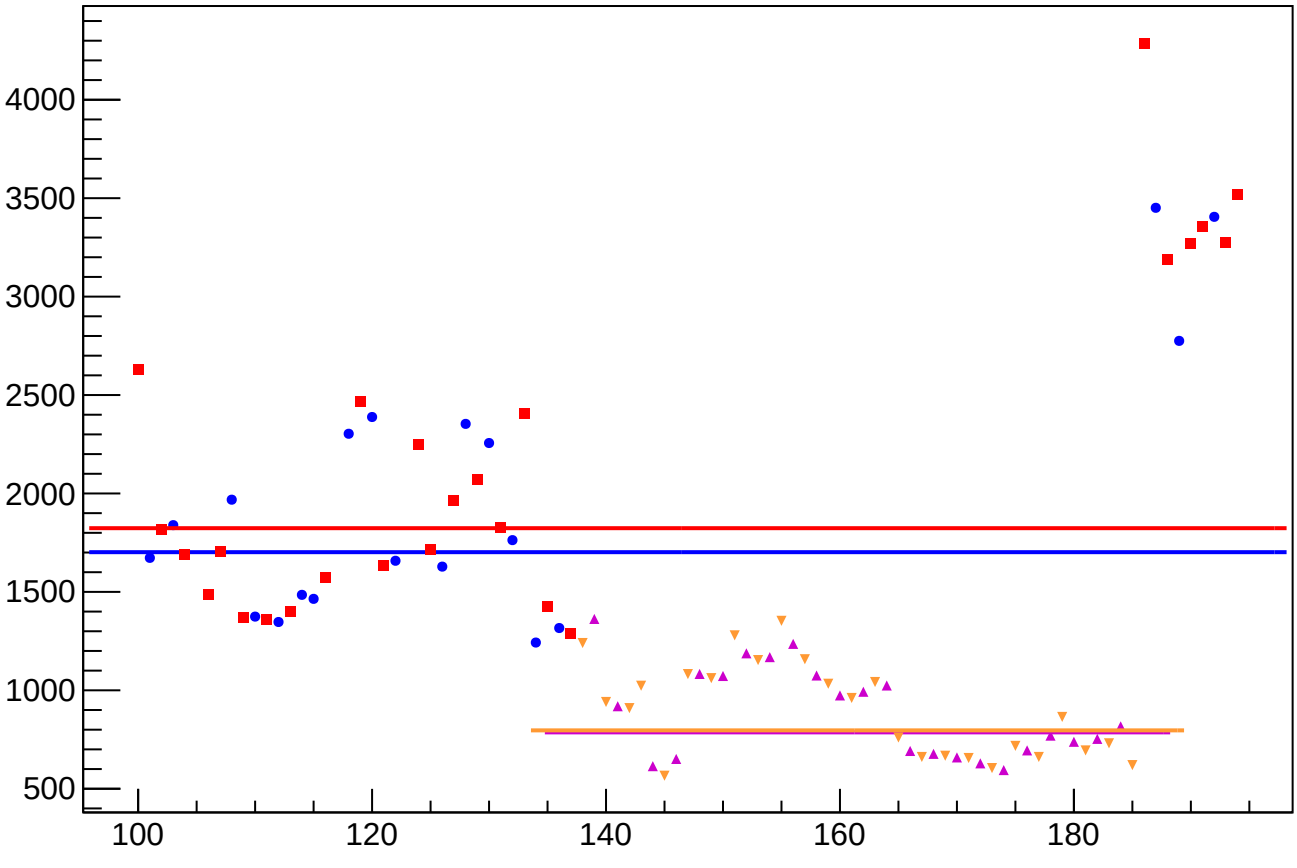
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 399.499+/-416.063 χ^2/NDF: 50.4/43

In: 28.061+/-181.296 χ^2/NDF:52.8/41

Out: -579.907+/-178.623 χ^2/NDF:105.5/49

All: -280.438+/-127.240 χ^2/NDF: 164.0/91



Right In: 1701.756+/-0.422 χ^2/NDF: 1400955.1/18

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1823.636+/-0.410 χ^2/NDF: 2280780.3/24

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

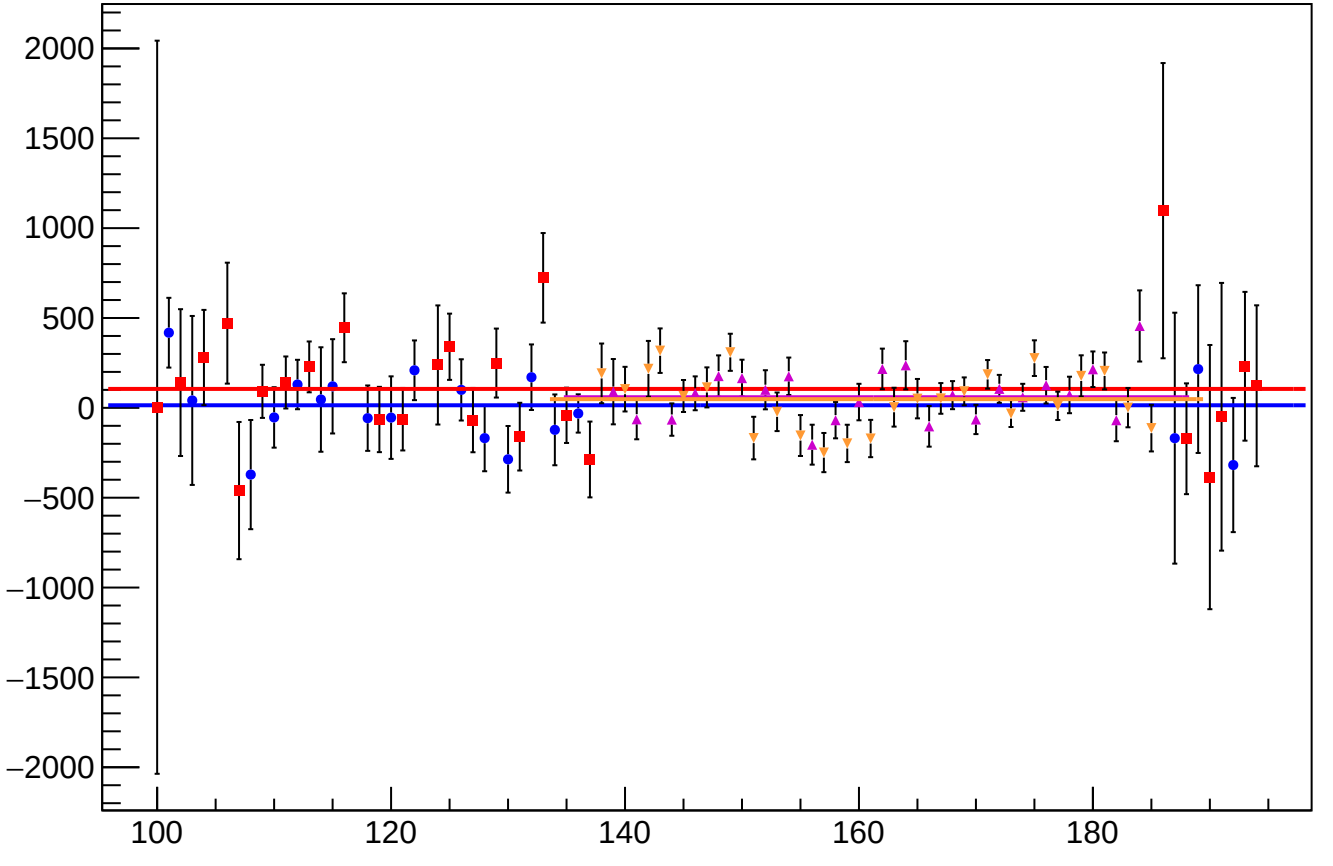
Right: 1764.518+/-0.294 χ^2/NDF: 3724602.9/43

In: 870.644+/-0.128 χ^2/NDF:7821214.1/41

Out: 894.008+/-0.126 χ^2/NDF:10379325.6/49

All: 882.500+/-0.090 χ^2/NDF: 18217394.2/91

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 14.356+/-45.059 χ^2/NDF: 14.9/18

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 105.340+/-44.604 χ^2/NDF: 28.3/24

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

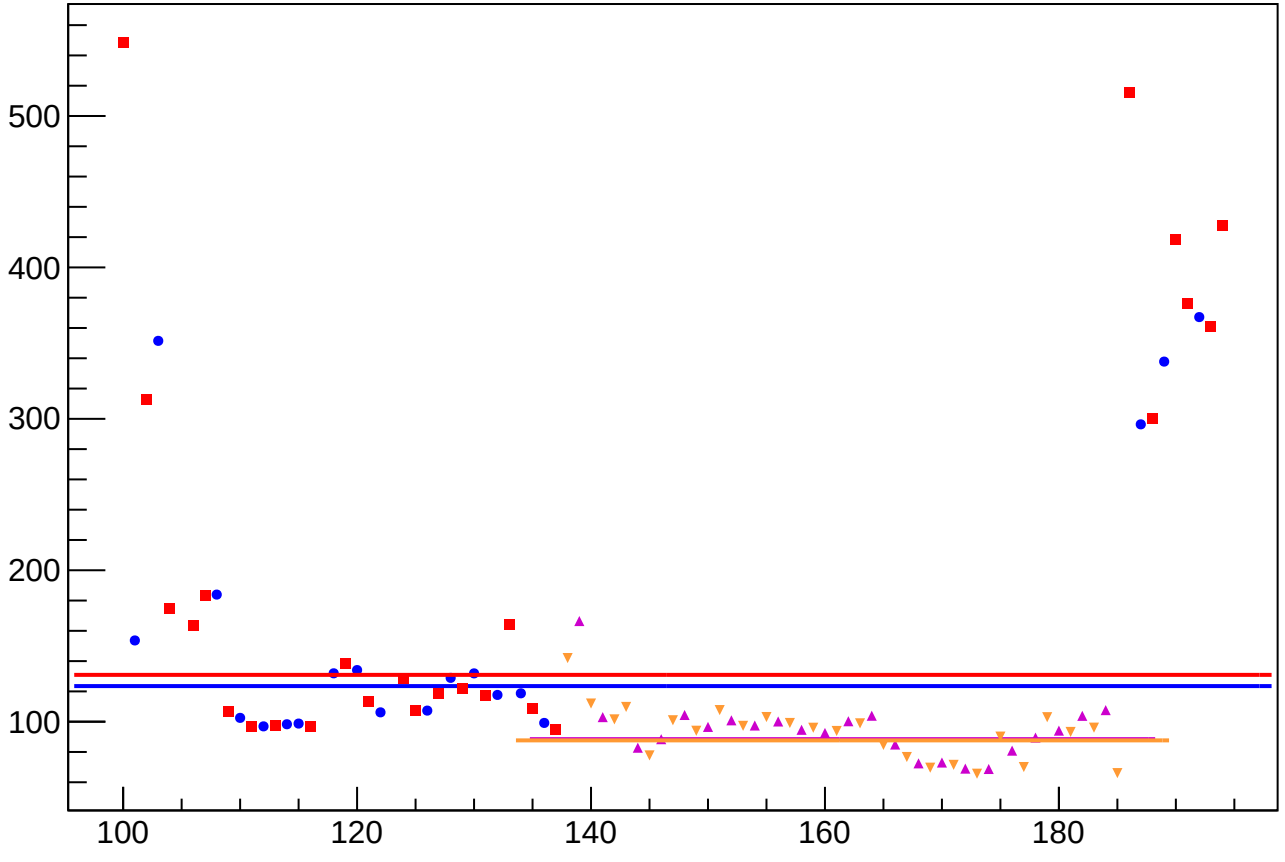
Right: 60.309+/-31.699 χ^2/NDF: 45.2/43

In: 50.949+/-19.150 χ^2/NDF:46.3/41

Out: 58.268+/-18.569 χ^2/NDF:83.2/49

All: 54.721+/-13.331 χ^2/NDF: 129.6/91

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 123.509+/-0.032 χ^2/NDF: 2294197.1/18

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 130.917+/-0.032 χ^2/NDF: 4205610.1/24

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

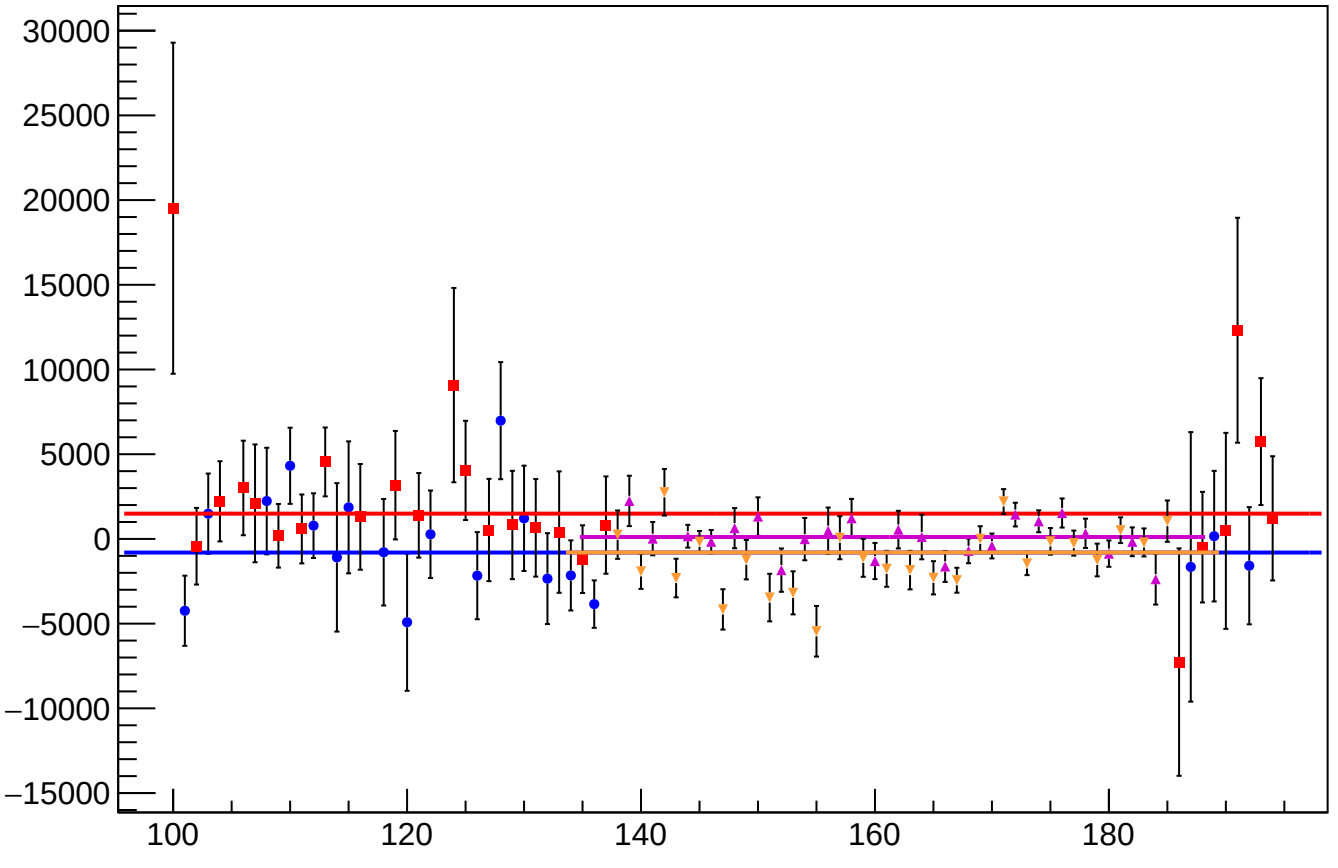
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 127.250+/-0.022 χ^2/NDF: 6527111.0/43

In: 94.809+/-0.014 χ^2/NDF:4360139.3/41

Out: 95.154+/-0.013 χ^2/NDF:6974186.8/49

All: 94.987+/-0.009 χ^2/NDF: 11334659.1/91



Right In: -804.151+/-597.401 χ^2/NDF: 23.6/18

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1492.811+/-580.939 χ^2/NDF: 18.5/24

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

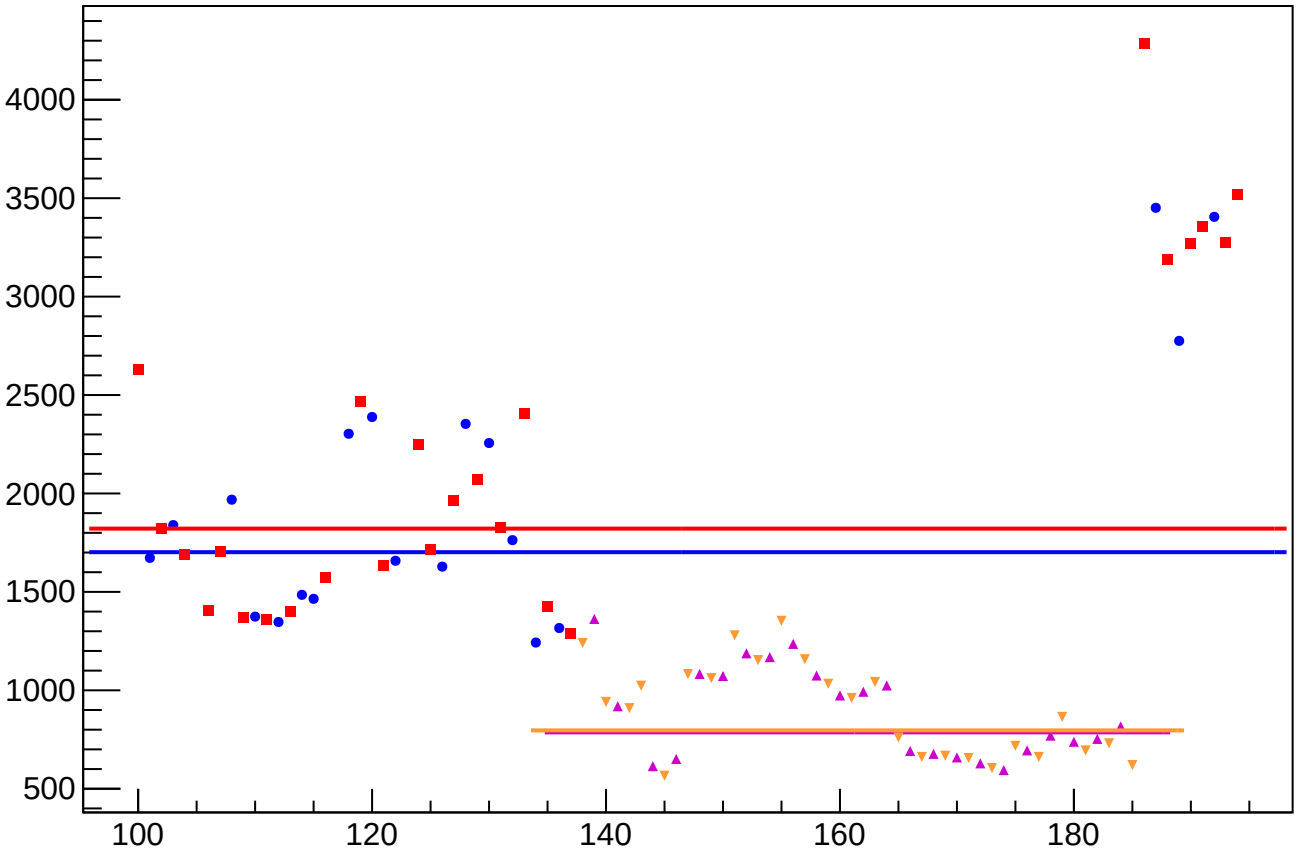
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 376.415+/-416.484 χ^2/NDF: 49.7/43

In: 28.066+/-181.296 χ^2/NDF:52.8/41

Out: -584.515+/-178.656 χ^2/NDF:104.5/49

All: -282.717+/-127.252 χ^2/NDF: 163.1/91



Right In: 1701.766+/-0.422 χ^2/NDF: 1400975.6/18

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1821.505+/-0.411 χ^2/NDF: 2293885.8/24

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

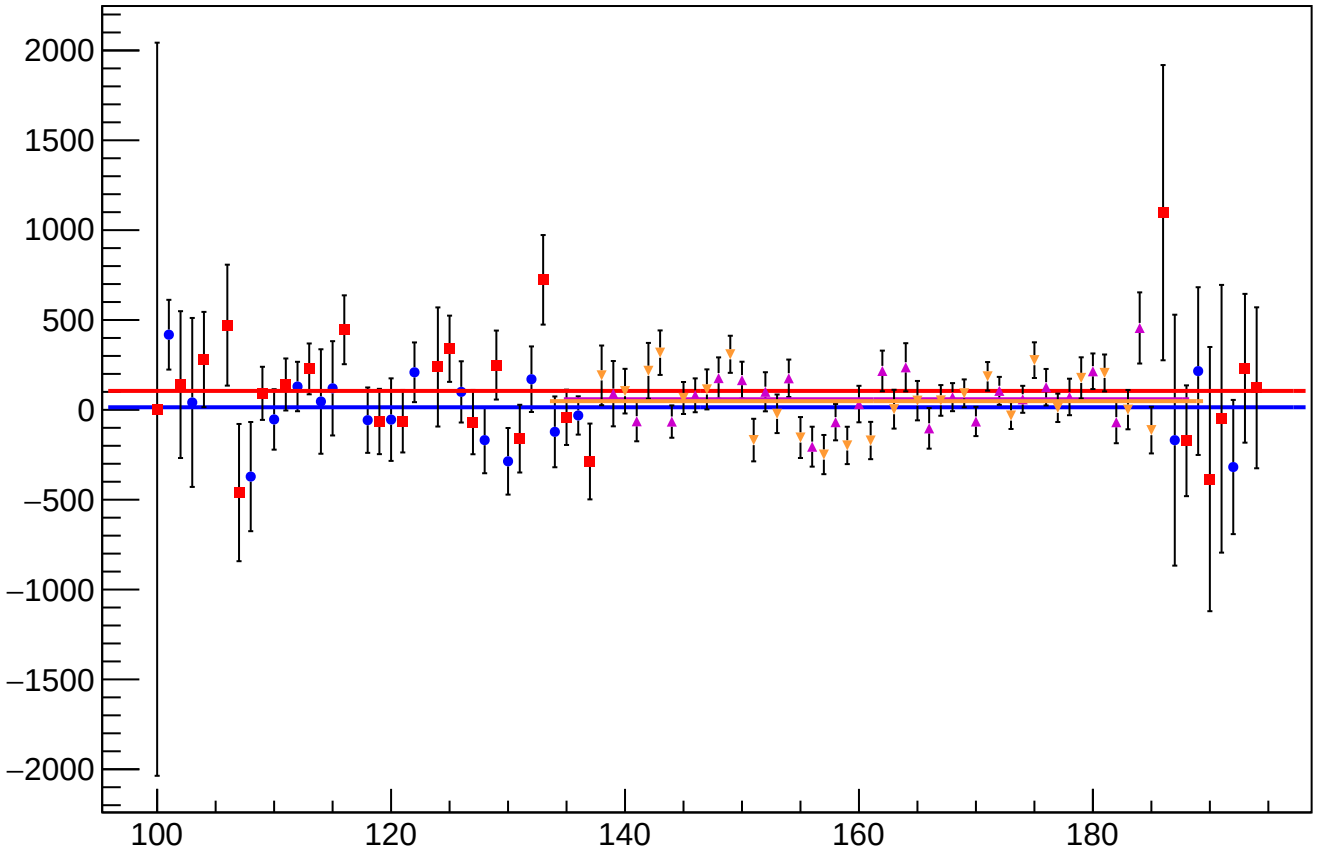
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 1763.308+/-0.294 χ^2/NDF: 3736156.6/43

In: 870.644+/-0.128 χ^2/NDF:7821271.4/41

Out: 893.461+/-0.126 χ^2/NDF:10348828.2/49

All: 882.220+/-0.090 χ^2/NDF: 18186170.9/91



Right In: 14.356+/-45.059 χ^2/NDF: 14.9/18

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 105.340+/-44.604 χ^2/NDF: 28.3/24

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

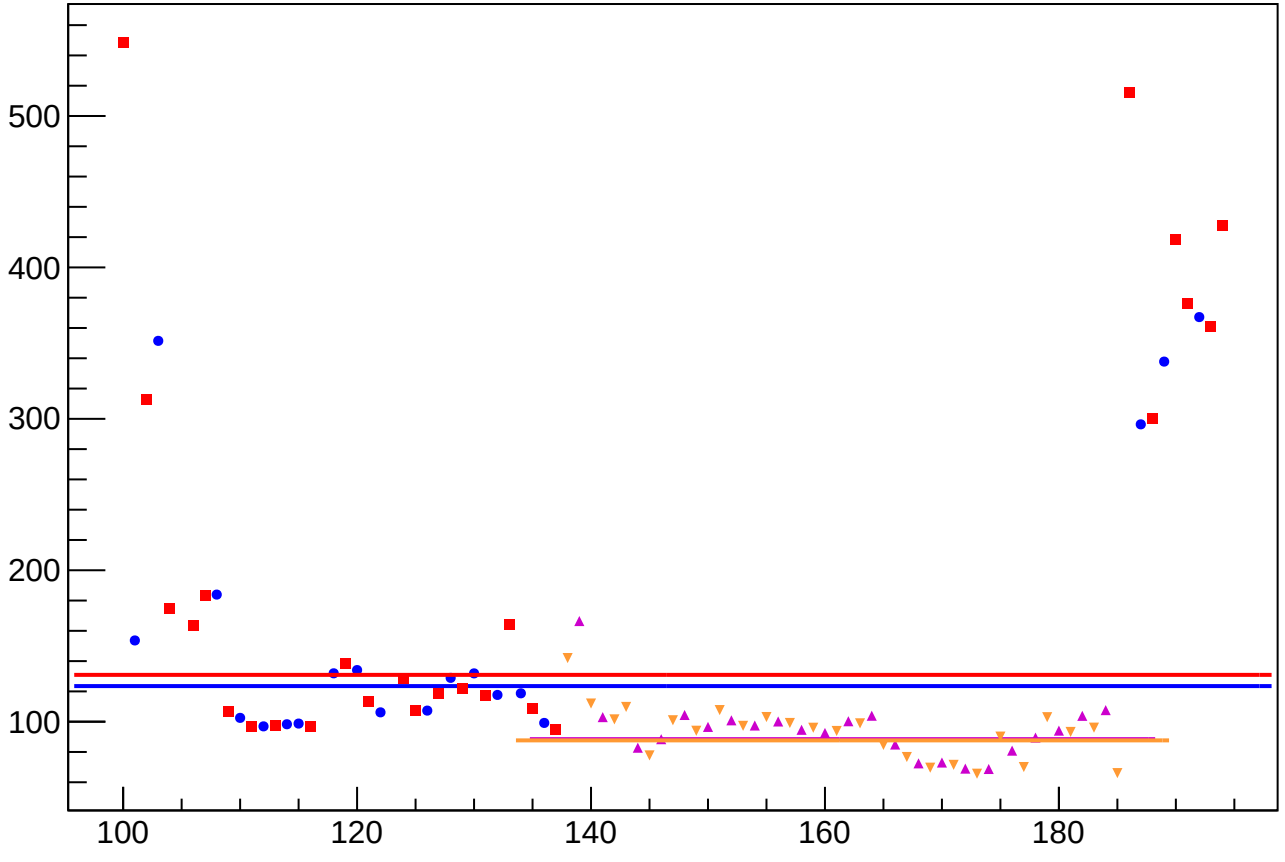
Right: 60.309+/-31.699 χ^2/NDF: 45.2/43

In: 50.949+/-19.150 χ^2/NDF:46.3/41

Out: 58.268+/-18.569 χ^2/NDF:83.2/49

All: 54.721+/-13.331 χ^2/NDF: 129.6/91

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 123.509+/-0.032 χ^2/NDF: 2294197.1/18

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 130.917+/-0.032 χ^2/NDF: 4205610.1/24

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

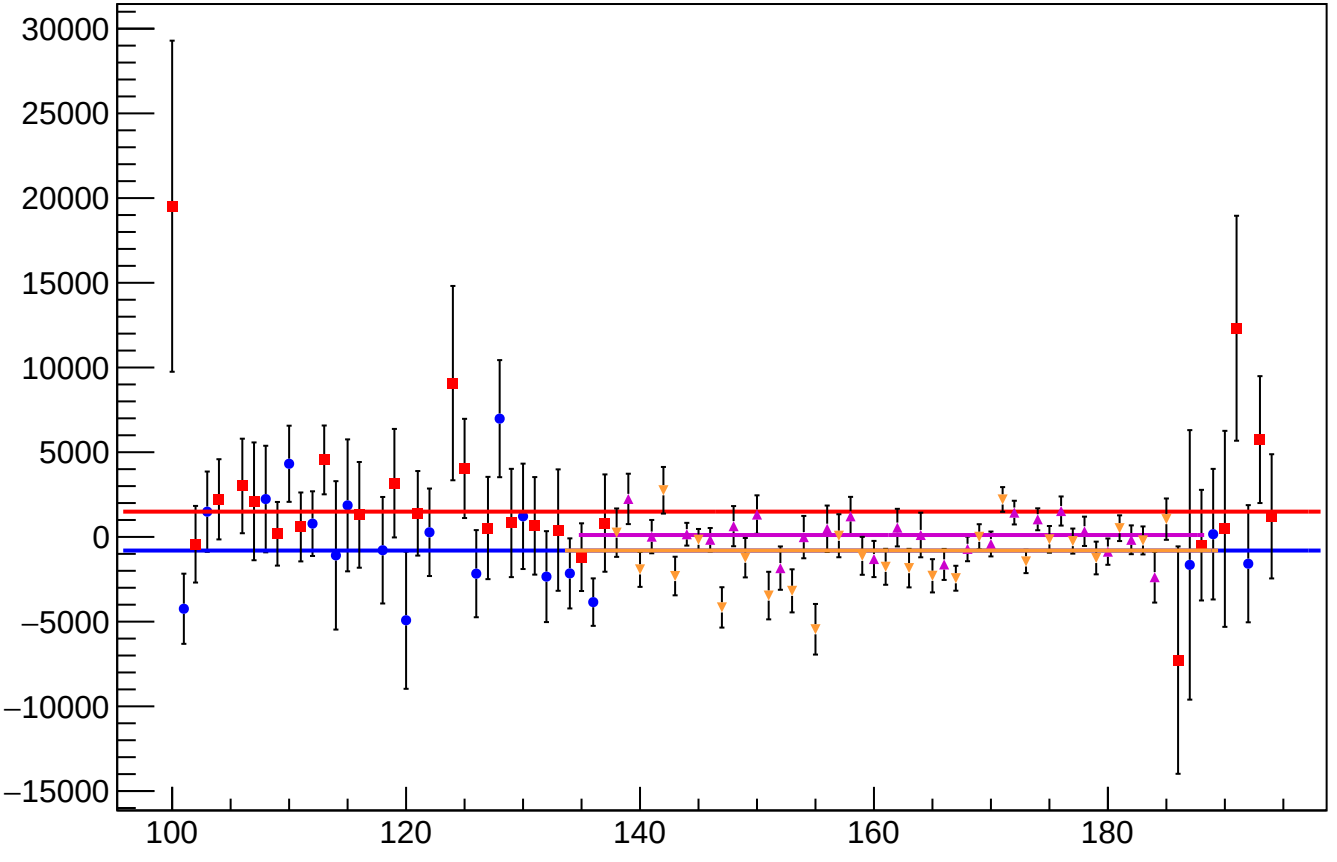
Right: 127.250+/-0.022 χ^2/NDF: 6527111.0/43

In: 94.809+/-0.014 χ^2/NDF:4360139.3/41

Out: 95.154+/-0.013 χ^2/NDF:6974186.8/49

All: 94.987+/-0.009 χ^2/NDF: 11334659.1/91

asym_sam3_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -804.151+/-597.401 χ^2/NDF: 23.6/18

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1492.811+/-580.939 χ^2/NDF: 18.5/24

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

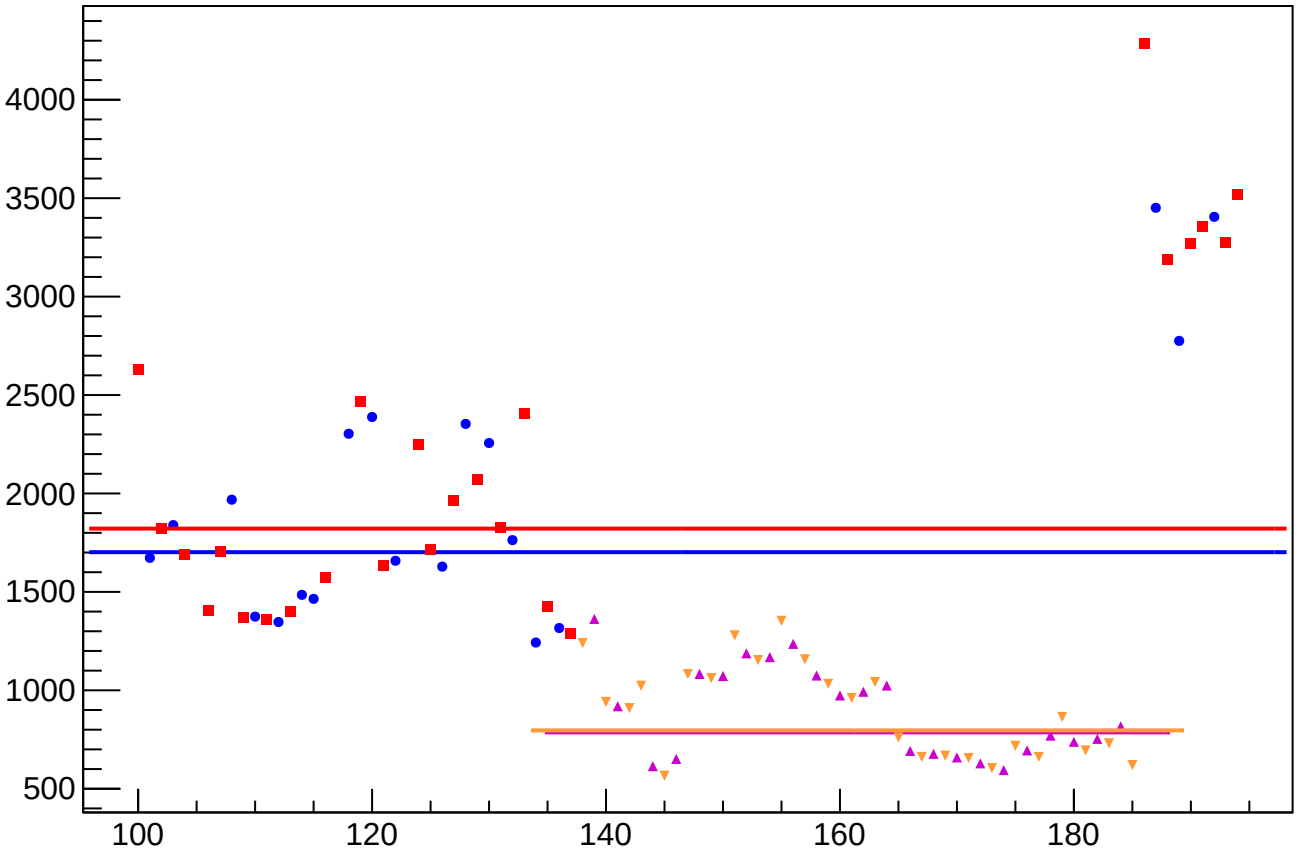
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 376.415+/-416.484 χ^2/NDF: 49.7/43

In: 28.066+/-181.296 χ^2/NDF:52.8/41

Out: -584.515+/-178.656 χ^2/NDF:104.5/49

All: -282.717+/-127.252 χ^2/NDF: 163.1/91



Right In: 1701.766+/-0.422 χ^2/NDF: 1400975.6/18

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1821.505+/-0.411 χ^2/NDF: 2293885.8/24

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

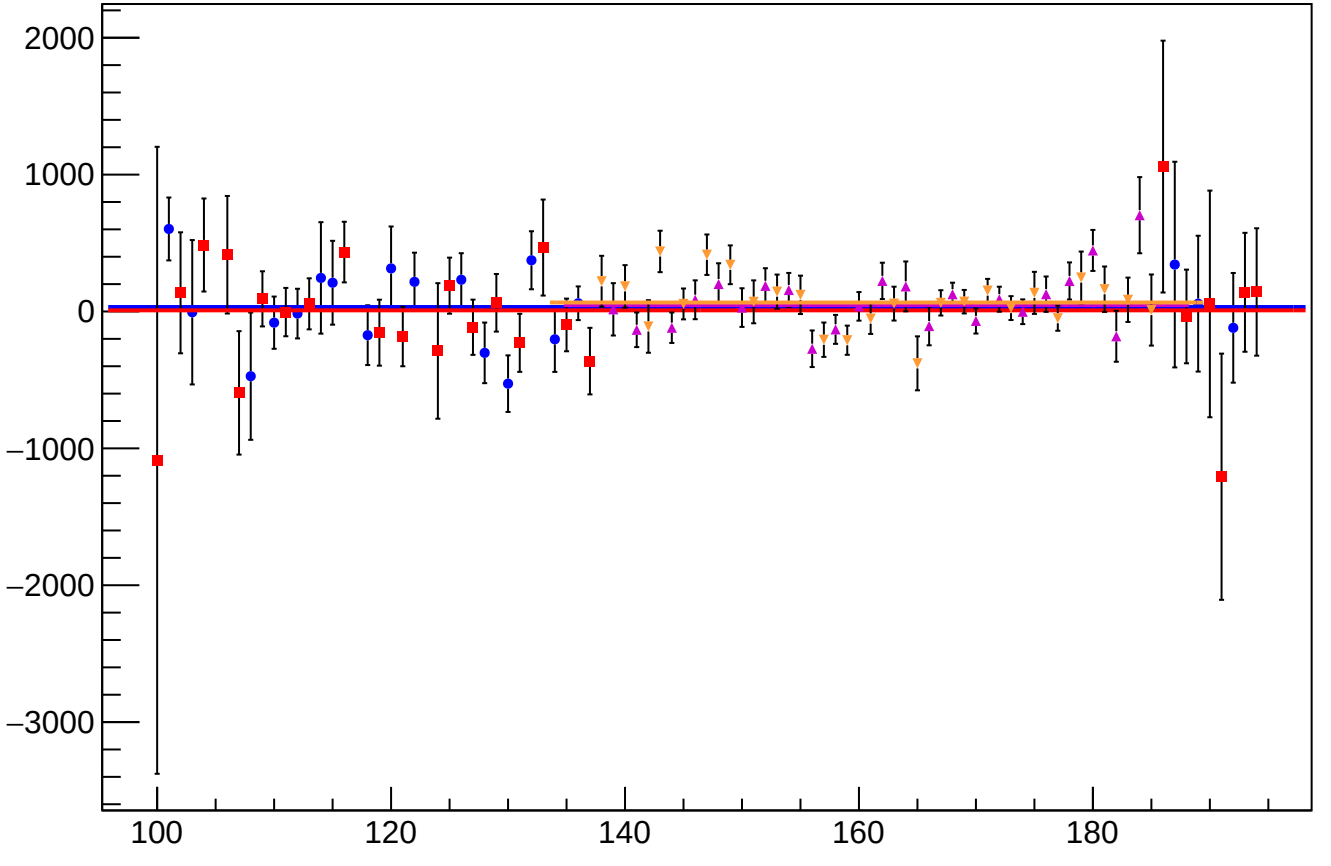
Right: 1763.308+/-0.294 χ^2/NDF: 3736156.6/43

In: 870.644+/-0.128 χ^2/NDF:7821271.4/41

Out: 893.461+/-0.126 χ^2/NDF:10348828.2/49

All: 882.220+/-0.090 χ^2/NDF: 18186170.9/91

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 32.577+/-53.936 χ^2/NDF: 25.5/18

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: 8.440+/-54.218 χ^2/NDF: 20.6/24

Left In: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

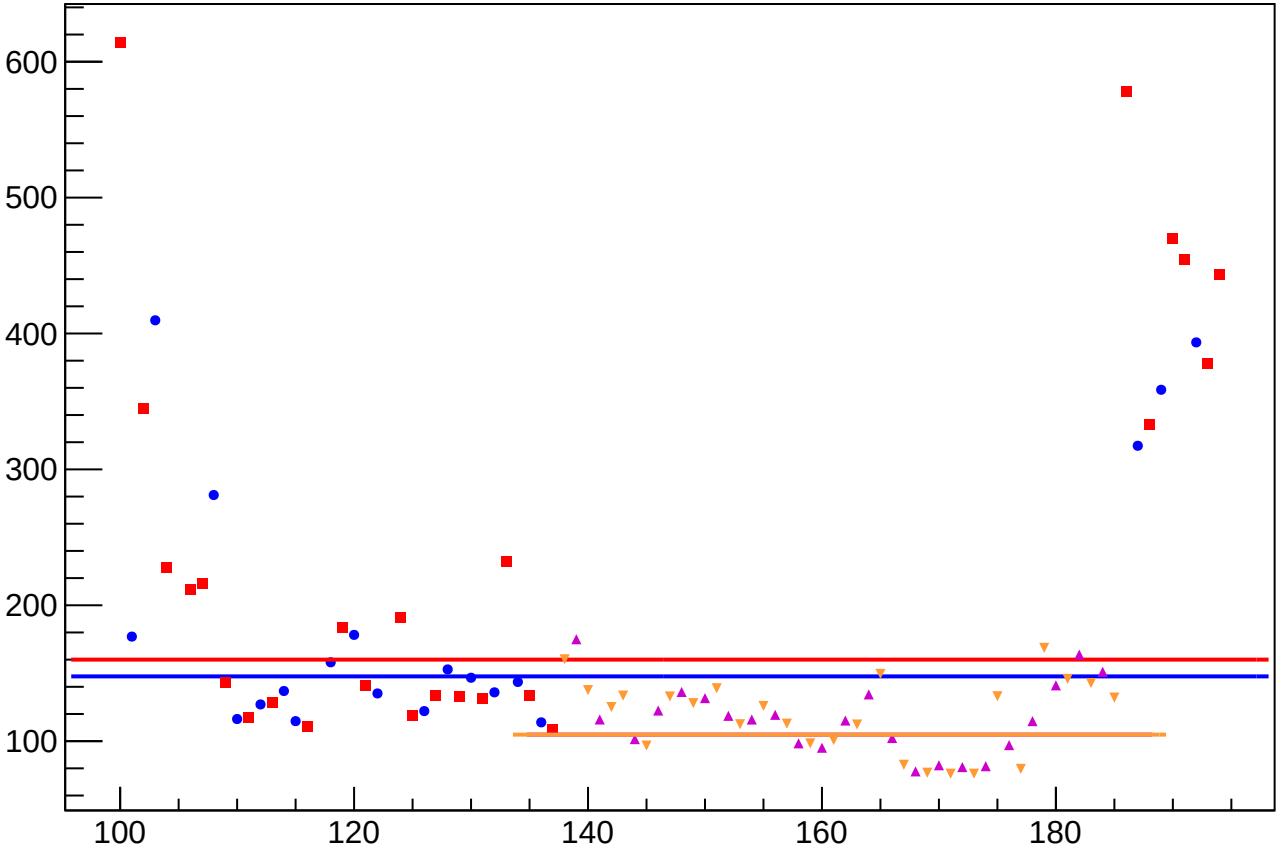
Right: 20.571+/-38.238 χ^2/NDF: 46.2/43

In: 44.364+/-23.198 χ^2/NDF:64.2/41

Out: 55.622+/-22.747 χ^2/NDF:61.6/49

All: 50.104+/-16.242 χ^2/NDF: 125.9/91

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 147.669+/-0.038 χ^2/NDF: 2236022.7/18

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 160.007+/-0.038 χ^2/NDF: 3956442.4/24

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

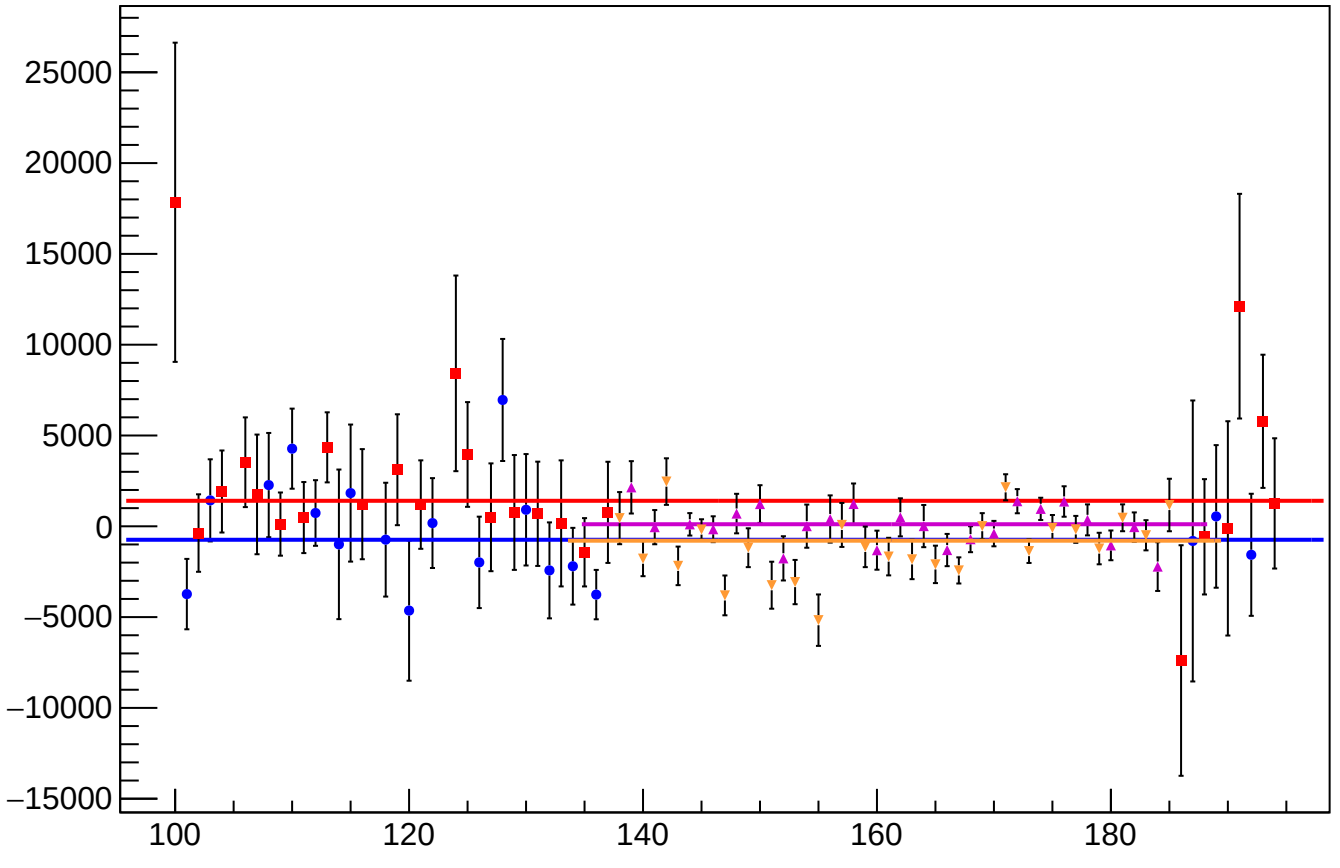
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 153.806+/-0.027 χ^2/NDF: 6244517.9/43

In: 112.758+/-0.016 χ^2/NDF:4878578.6/41

Out: 114.526+/-0.016 χ^2/NDF:7907259.3/49

All: 113.660+/-0.011 χ^2/NDF: 12791757.1/91



Right In: -741.499+/-578.597 χ^2/NDF: 23.6/18

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: 1404.458+/-555.128 χ^2/NDF: 20.3/24

Left In: 113.680+/-183.126 χ^2/NDF:26.3/22

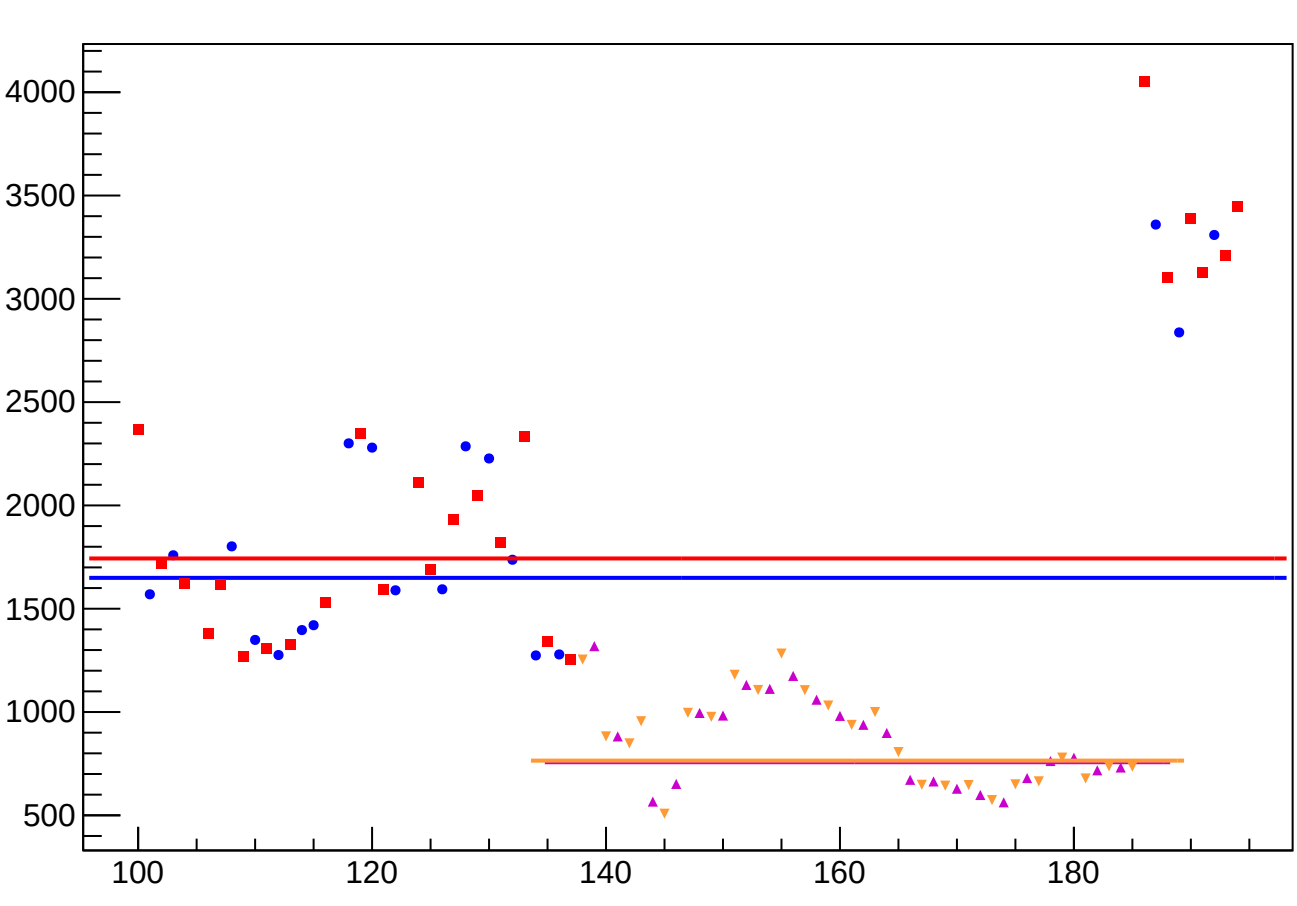
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 375.884+/-400.575 χ^2/NDF: 51.1/43

In: 35.815+/-174.590 χ^2/NDF:51.9/41

Out: -584.225+/-171.135 χ^2/NDF:104.6/49

All: -280.401+/-122.214 χ^2/NDF: 162.9/91



Right In: 1649.393+/-0.409 χ^2/NDF: 1418047.3/18

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1743.275+/-0.393 χ^2/NDF: 2405470.1/24

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

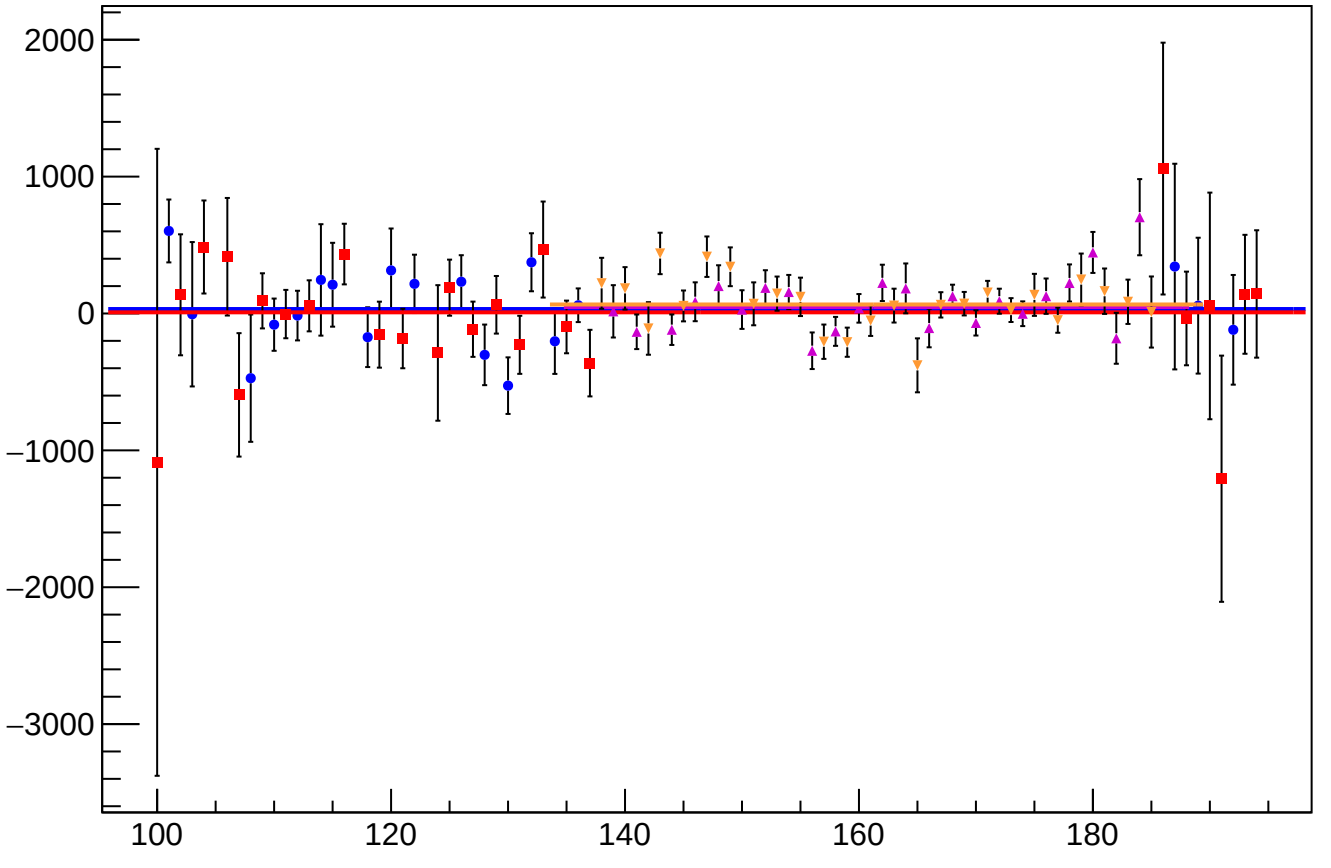
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 1698.276+/-0.283 χ^2/NDF: 3850934.3/43

In: 838.187+/-0.123 χ^2/NDF:7858475.8/41

Out: 857.731+/-0.121 χ^2/NDF:10454864.1/49

All: 848.154+/-0.086 χ^2/NDF: 18326122.2/91



Right In: 32.576+/-53.936 χ^2/NDF: 25.5/18

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: 8.436+/-54.218 χ^2/NDF: 20.6/24

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

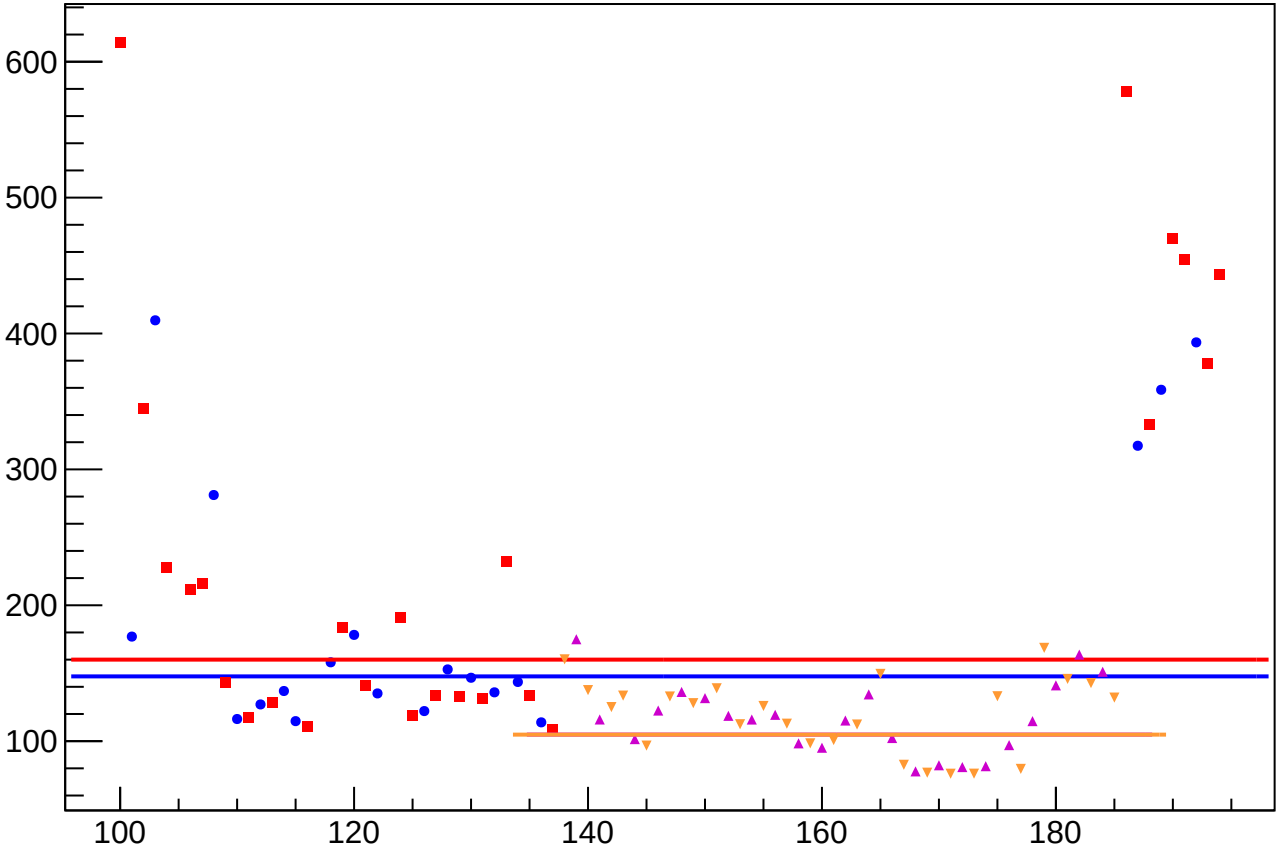
Right: 20.569+/-38.238 χ^2/NDF: 46.2/43

In: 44.363+/-23.198 χ^2/NDF:64.2/41

Out: 55.623+/-22.747 χ^2/NDF:61.6/49

All: 50.103+/-16.242 χ^2/NDF: 125.9/91

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 147.670+/-0.038 χ^2/NDF: 2236026.3/18

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 160.008+/-0.038 χ^2/NDF: 3956445.6/24

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

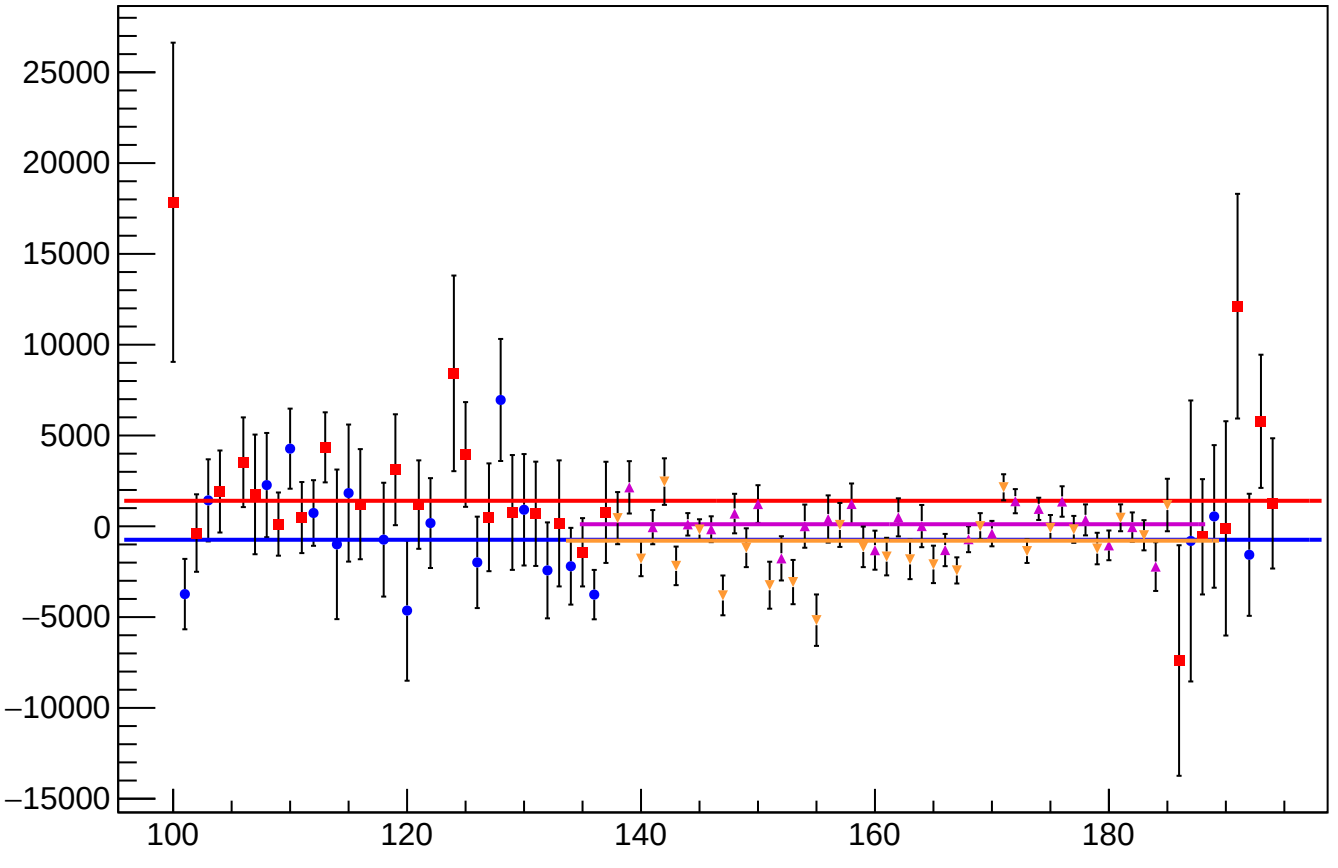
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 153.806+/-0.027 χ^2/NDF: 6244526.5/43

In: 112.759+/-0.016 χ^2/NDF:4878585.1/41

Out: 114.526+/-0.016 χ^2/NDF:7907284.1/49

All: 113.660+/-0.011 χ^2/NDF: 12791788.7/91



Right In: -741.496+/-578.596 χ^2/NDF: 23.6/18

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: 1404.457+/-555.127 χ^2/NDF: 20.3/24

Left In: 113.680+/-183.125 χ^2/NDF:26.3/22

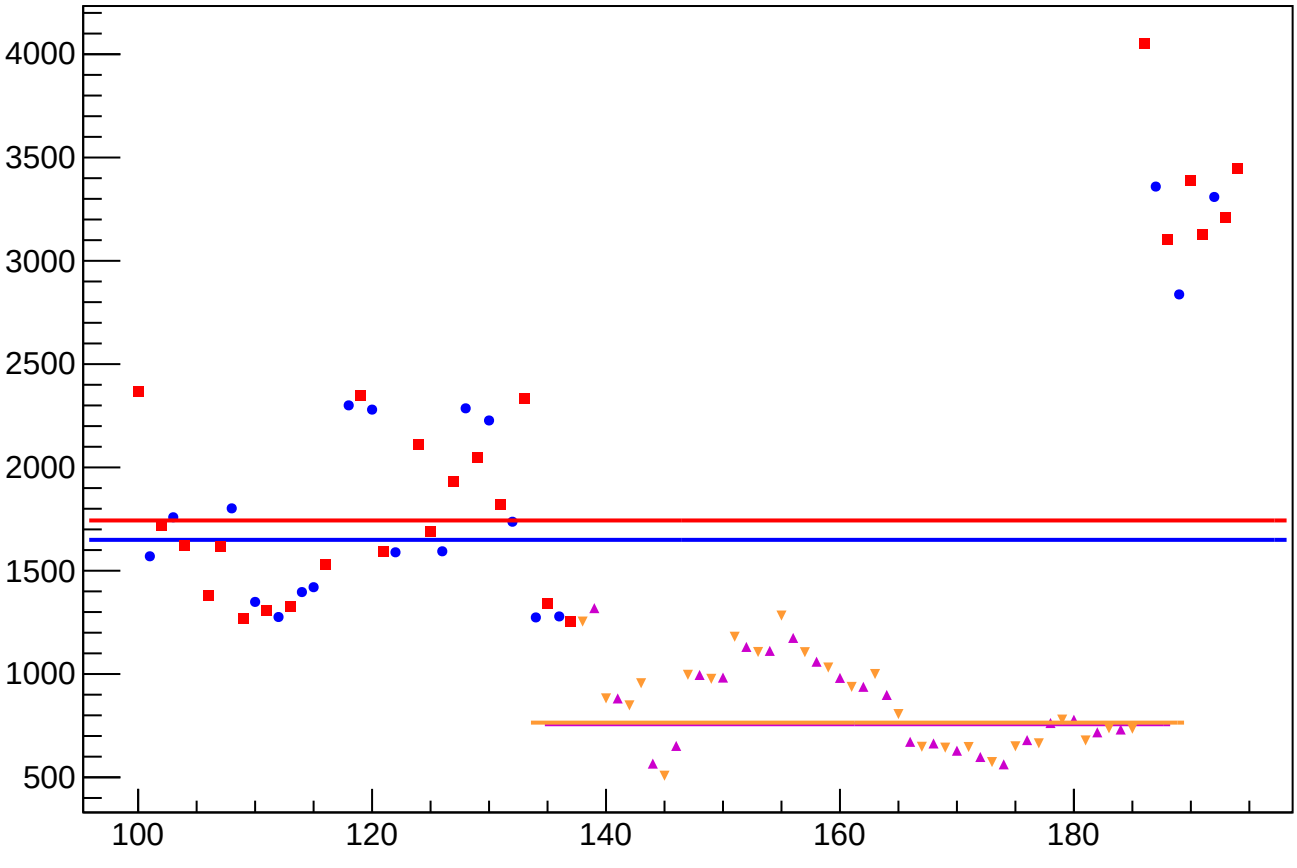
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 375.885+/-400.574 χ^2/NDF: 51.1/43

In: 35.815+/-174.590 χ^2/NDF:51.9/41

Out: -584.225+/-171.135 χ^2/NDF:104.6/49

All: -280.401+/-122.214 χ^2/NDF: 162.9/91



Right In: 1649.391+/-0.409 χ^2/NDF: 1418046.7/18

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1743.272+/-0.393 χ^2/NDF: 2405467.5/24

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

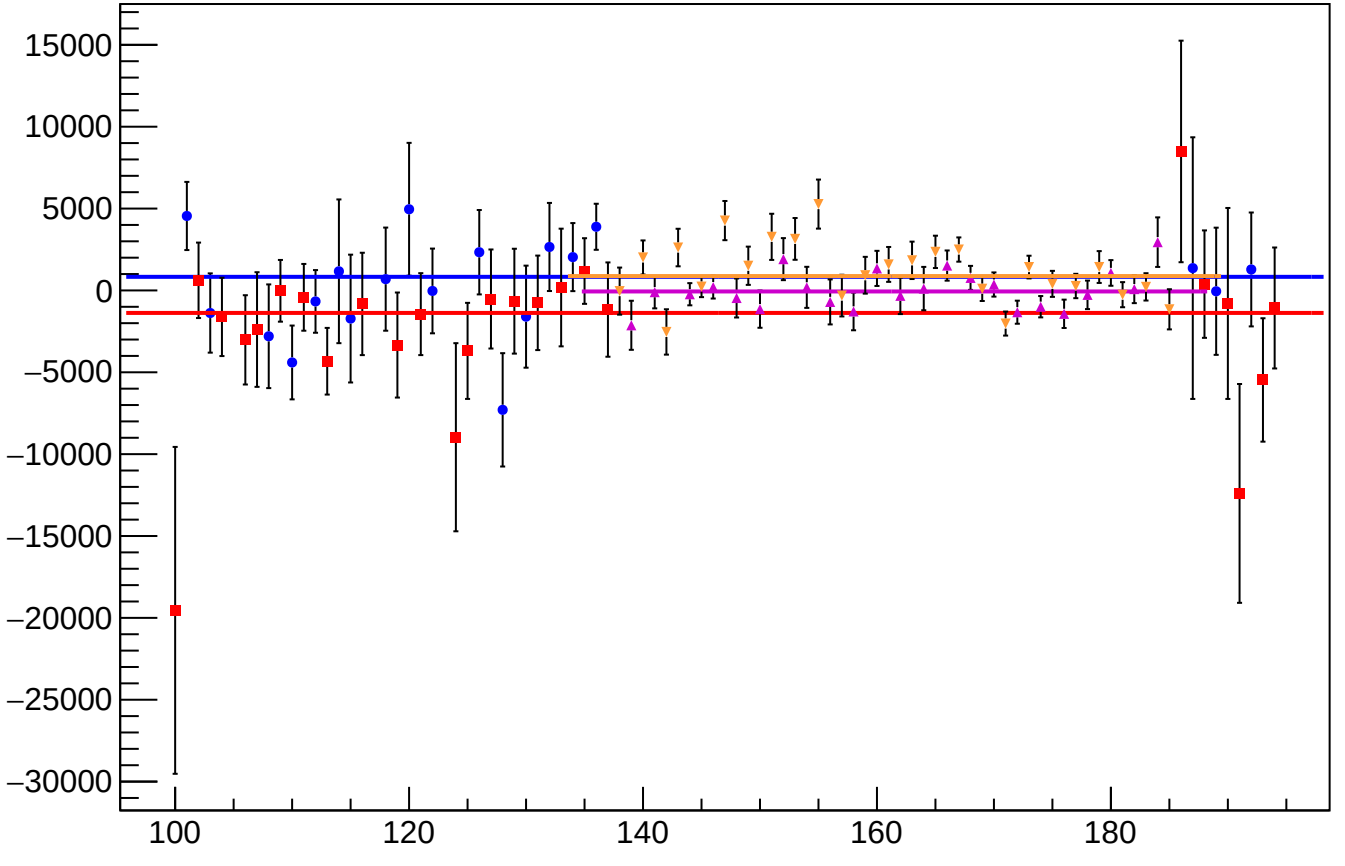
Right: 1698.274+/-0.283 χ^2/NDF: 3850930.8/43

In: 838.186+/-0.123 χ^2/NDF:7858469.1/41

Out: 857.731+/-0.121 χ^2/NDF:10454849.3/49

All: 848.154+/-0.086 χ^2/NDF: 18326100.8/91

asym_sam3_mean vs Slug, Sign Corrected



Right In: 830.581+/-600.158 χ^2/NDF: 25.0/18

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: -1374.045+/-583.023 χ^2/NDF: 18.5/24

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

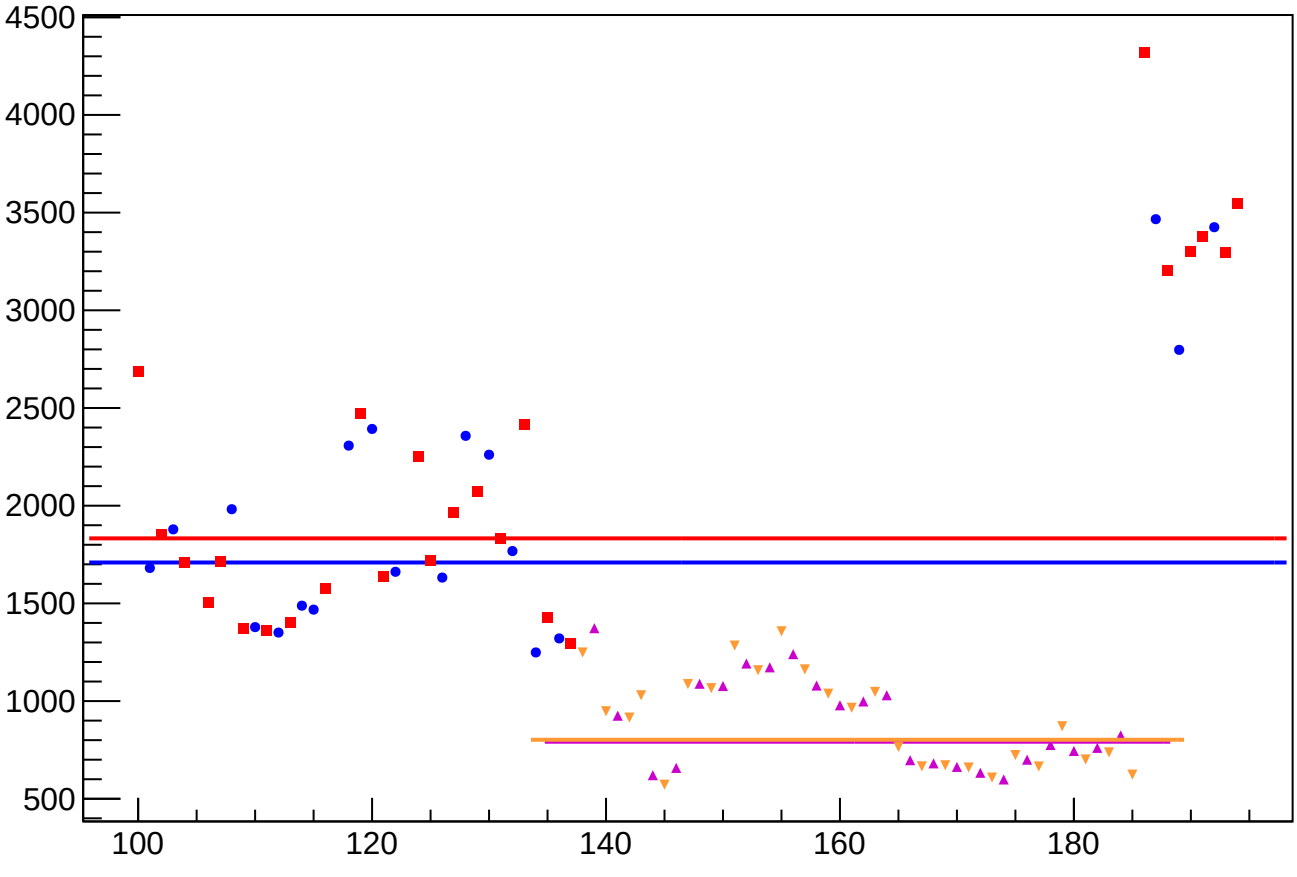
Right: -303.654+/-418.186 χ^2/NDF: 50.4/43

In: 19.871+/-182.521 χ^2/NDF:54.1/41

Out: 662.473+/-179.788 χ^2/NDF:99.2/49

All: 346.019+/-128.085 χ^2/NDF: 159.6/91

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1709.267+/-0.424 χ^2/NDF: 1407436.2/18

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 1832.742+/-0.412 χ^2/NDF: 2291014.6/24

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

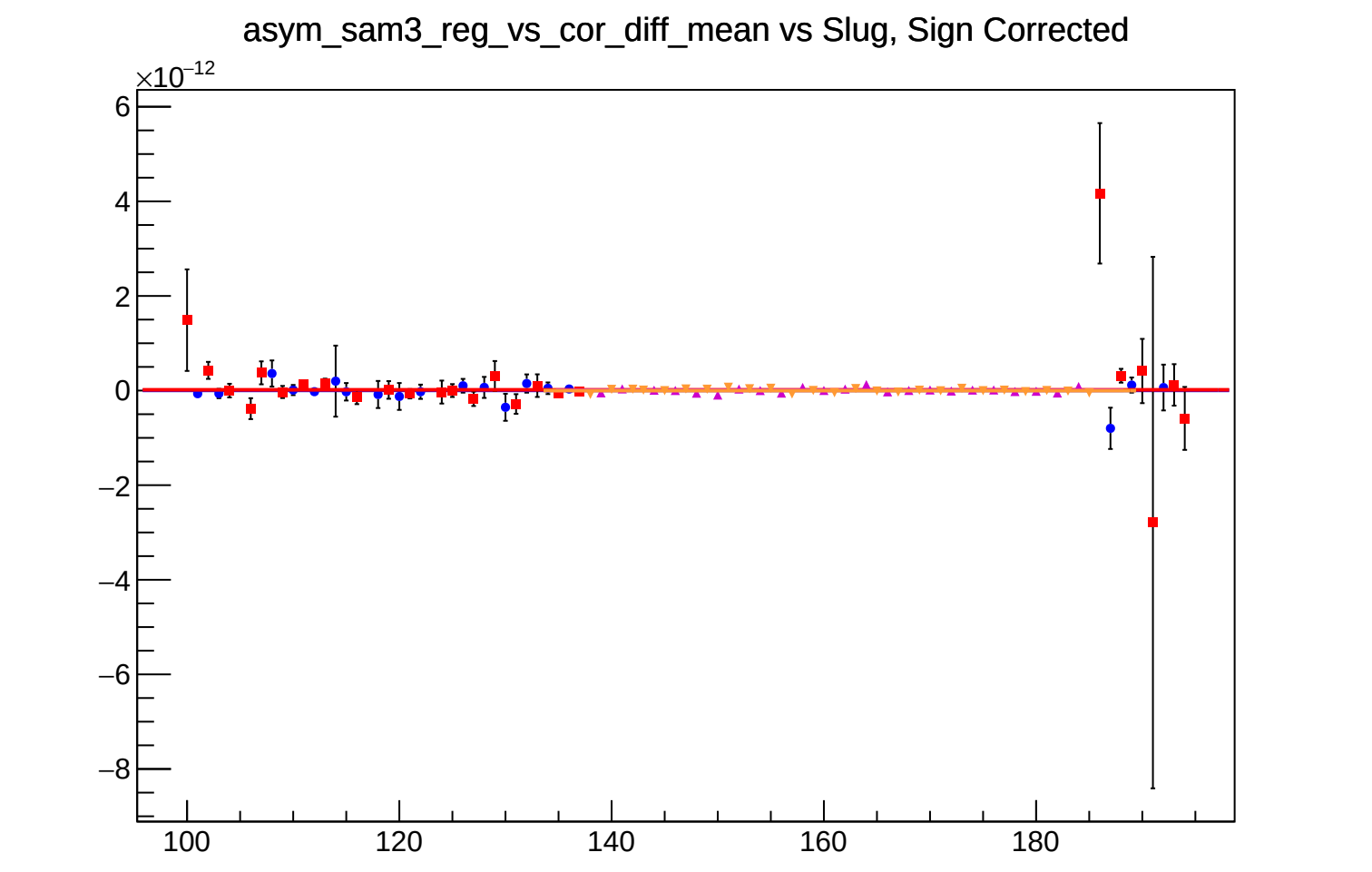
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

Right: 1772.793+/-0.296 χ^2/NDF: 3742004.5/43

In: 876.893+/-0.129 χ^2/NDF:7782220.4/41

Out: 900.029+/-0.127 χ^2/NDF:10343581.5/49

All: 888.636+/-0.091 χ^2/NDF: 18142112.7/91



Right In: 0.000+/-0.000 χ^2/NDF: 10.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.1/24

Left In: 0.000+/-0.000 χ^2/NDF:31.5/22

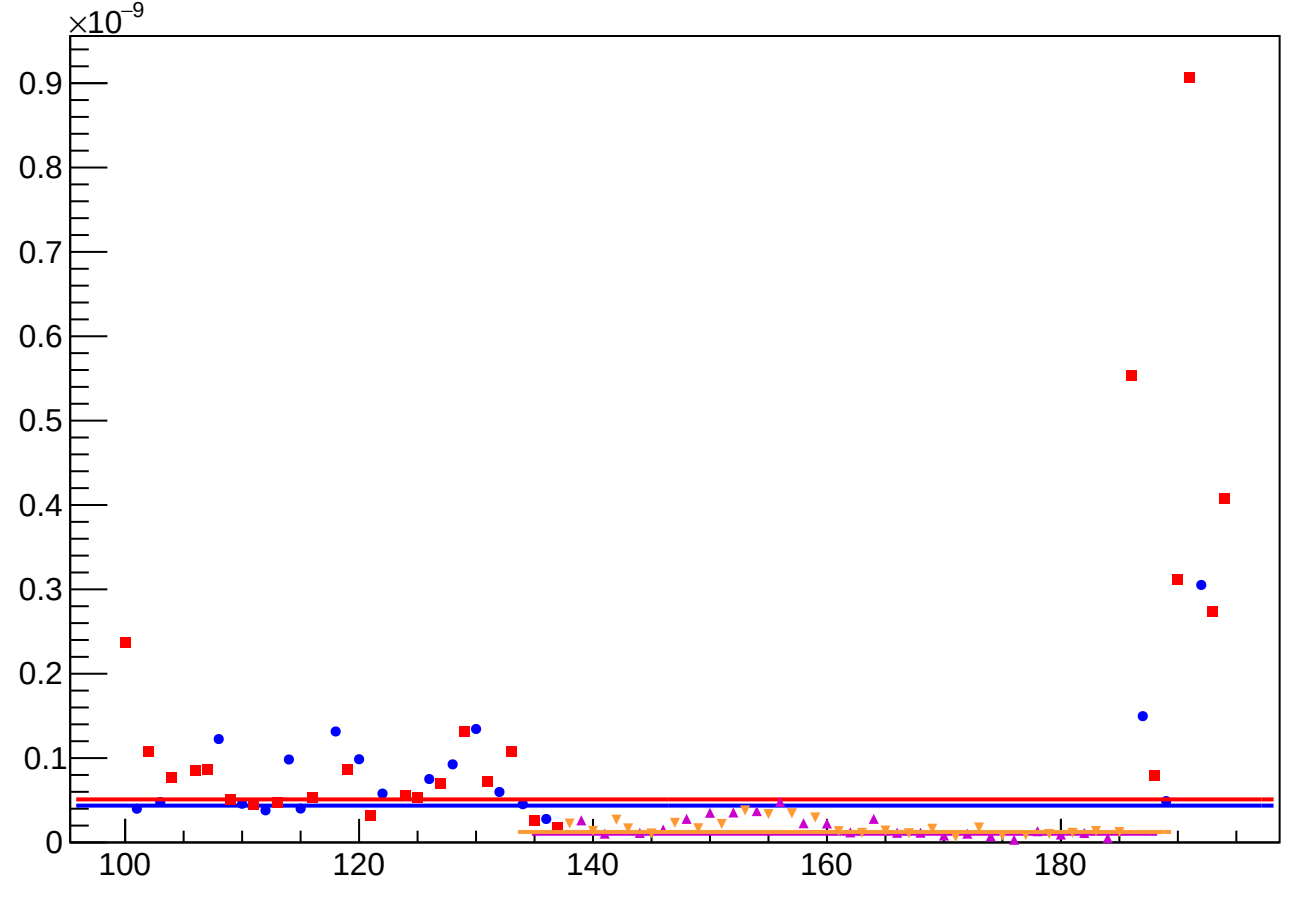
Left: 0.000+/-0.000 χ^2/NDF: 56.6/47

Right: 0.000+/-0.000 χ^2/NDF: 48.0/43

In: 0.000+/-0.000 χ^2/NDF:42.3/41

Out: -0.000+/-0.000 χ^2/NDF:61.4/49

All: 0.000+/-0.000 χ^2/NDF: 104.7/91



Right In: 0.000+/-0.000 χ^2/NDF: 1857897.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3183147.7/24

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

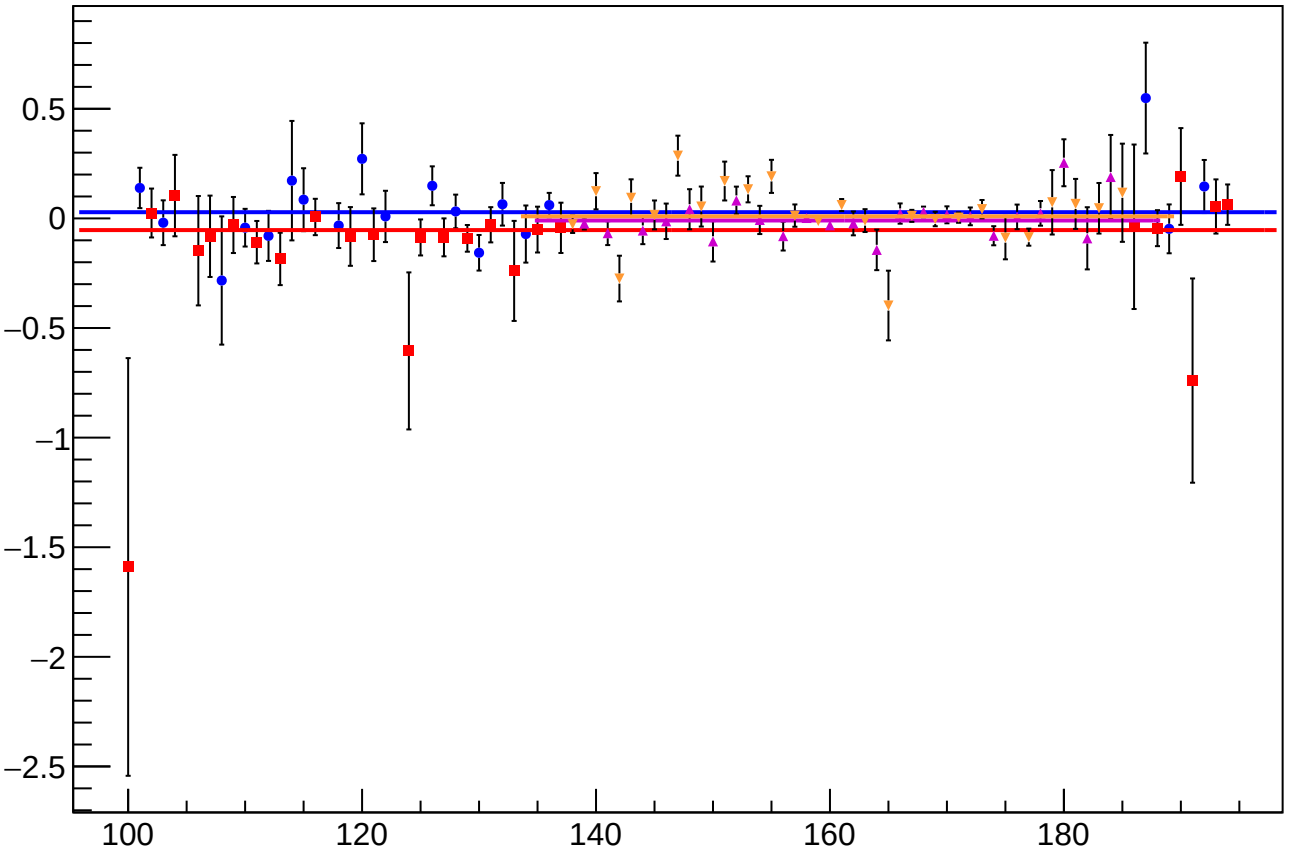
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 5109576.9/43

In: 0.000+/-0.000 χ^2/NDF:8539929.3/41

Out: 0.000+/-0.000 χ^2/NDF:8693801.4/49

All: 0.000+/-0.000 χ^2/NDF: 17435426.3/91



Right In: 0.028+/-0.024 χ^2/NDF: 21.2/18

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.053+/-0.023 χ^2/NDF: 15.7/24

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

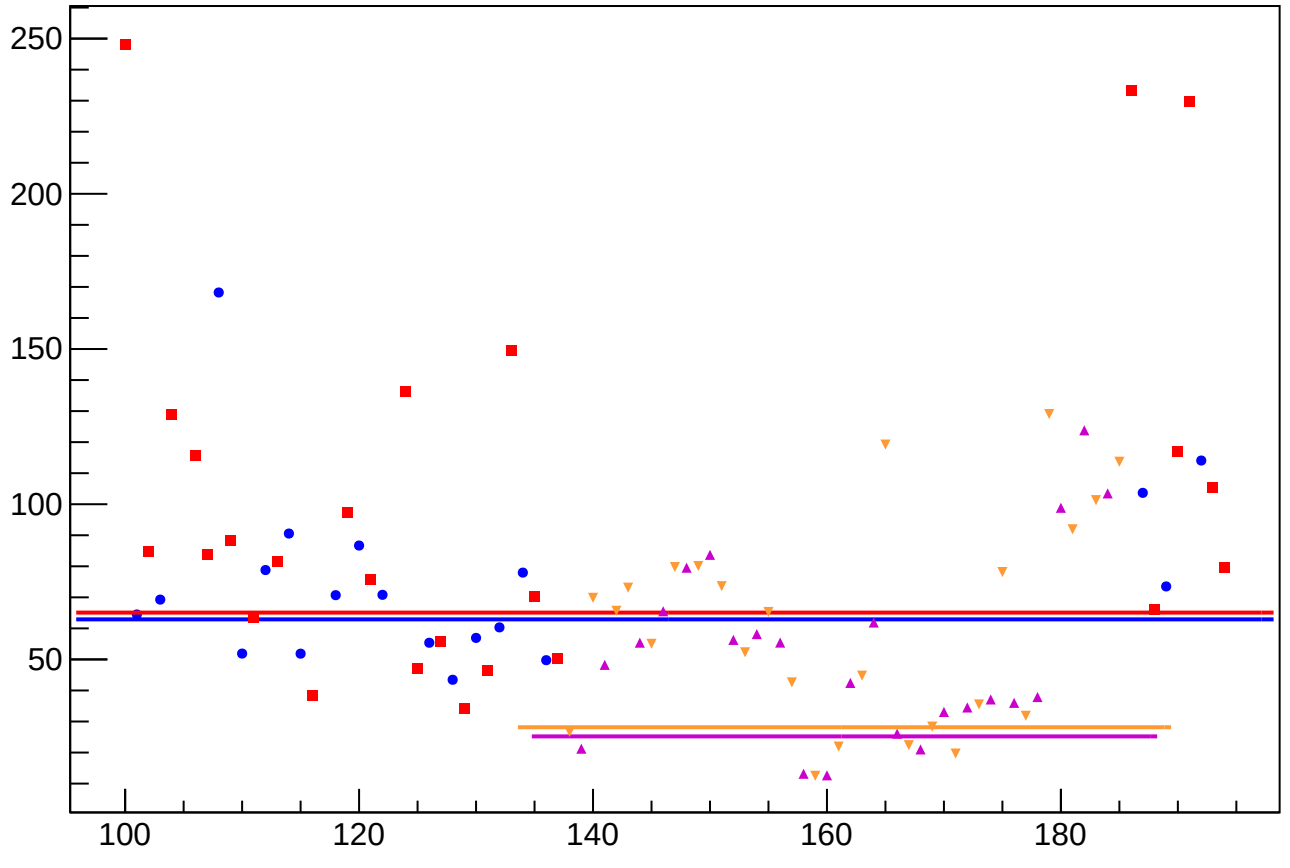
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.014+/-0.016 χ^2/NDF: 43.1/43

In: -0.006+/-0.008 χ^2/NDF:48.7/41

Out: 0.002+/-0.008 χ^2/NDF:77.1/49

All: -0.002+/-0.005 χ^2/NDF: 126.3/91



Right In: 62.903+/-0.017 χ^2/NDF: 1156942.6/18

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 65.088+/-0.016 χ^2/NDF: 3075130.0/24

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

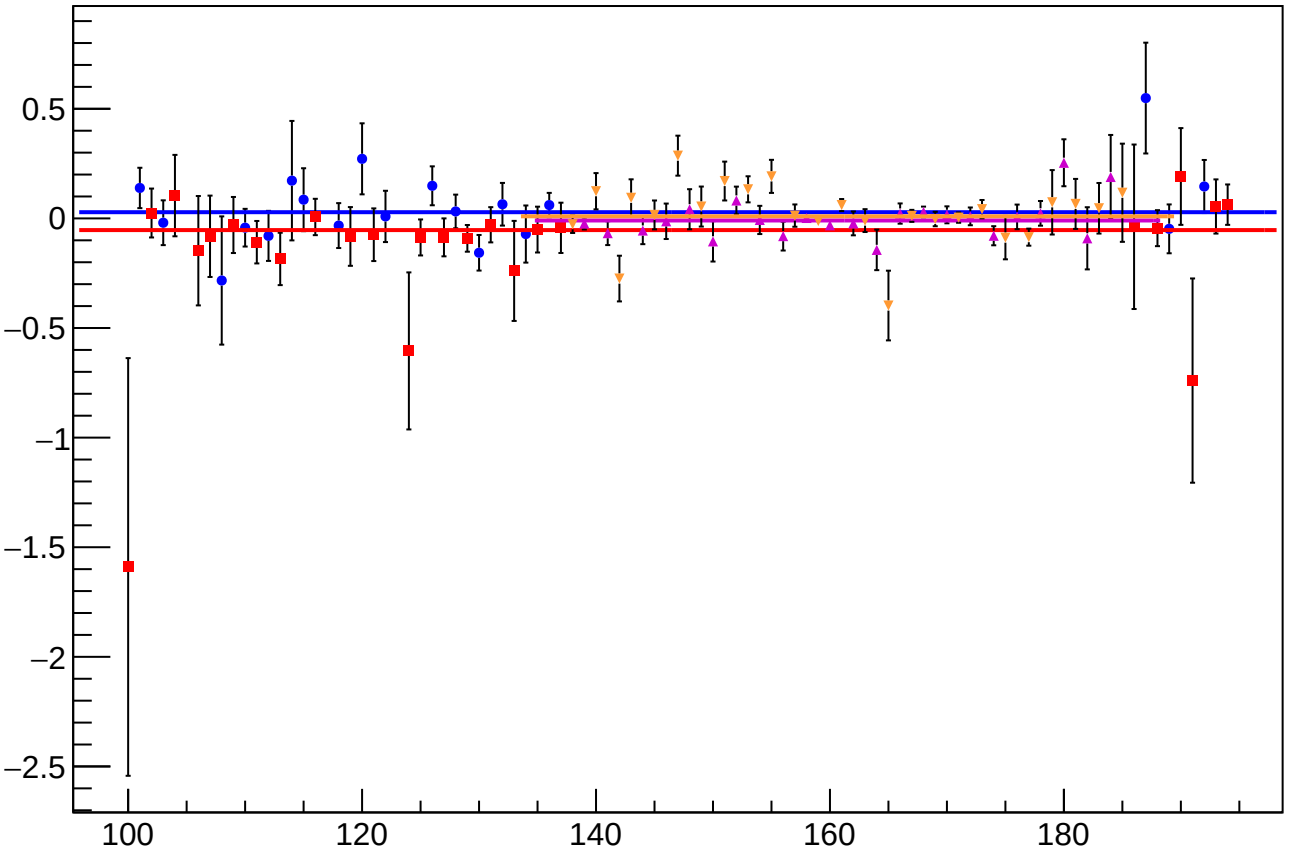
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 64.031+/-0.012 χ^2/NDF: 4240974.9/43

In: 29.047+/-0.005 χ^2/NDF:15733558.9/41

Out: 32.630+/-0.006 χ^2/NDF:18771288.5/49

All: 30.741+/-0.004 χ^2/NDF: 34720148.8/91



Right In: 0.028+/-0.024 χ^2/NDF: 21.2/18

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.053+/-0.023 χ^2/NDF: 15.7/24

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

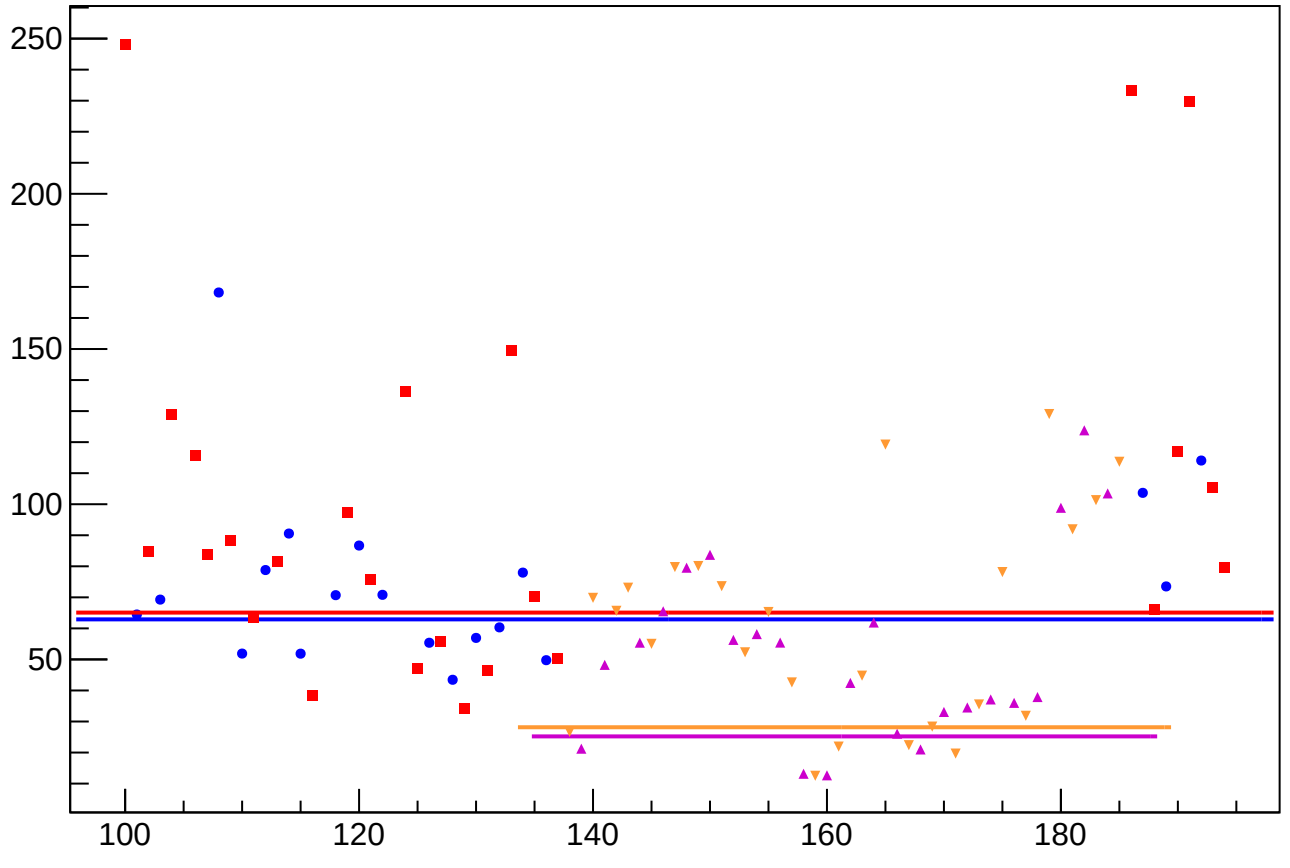
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.014+/-0.016 χ^2/NDF: 43.1/43

In: -0.006+/-0.008 χ^2/NDF:48.7/41

Out: 0.002+/-0.008 χ^2/NDF:77.1/49

All: -0.002+/-0.005 χ^2/NDF: 126.3/91



Right In: 62.903+/-0.017 χ^2/NDF: 1156942.6/18

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 65.088+/-0.016 χ^2/NDF: 3075130.0/24

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

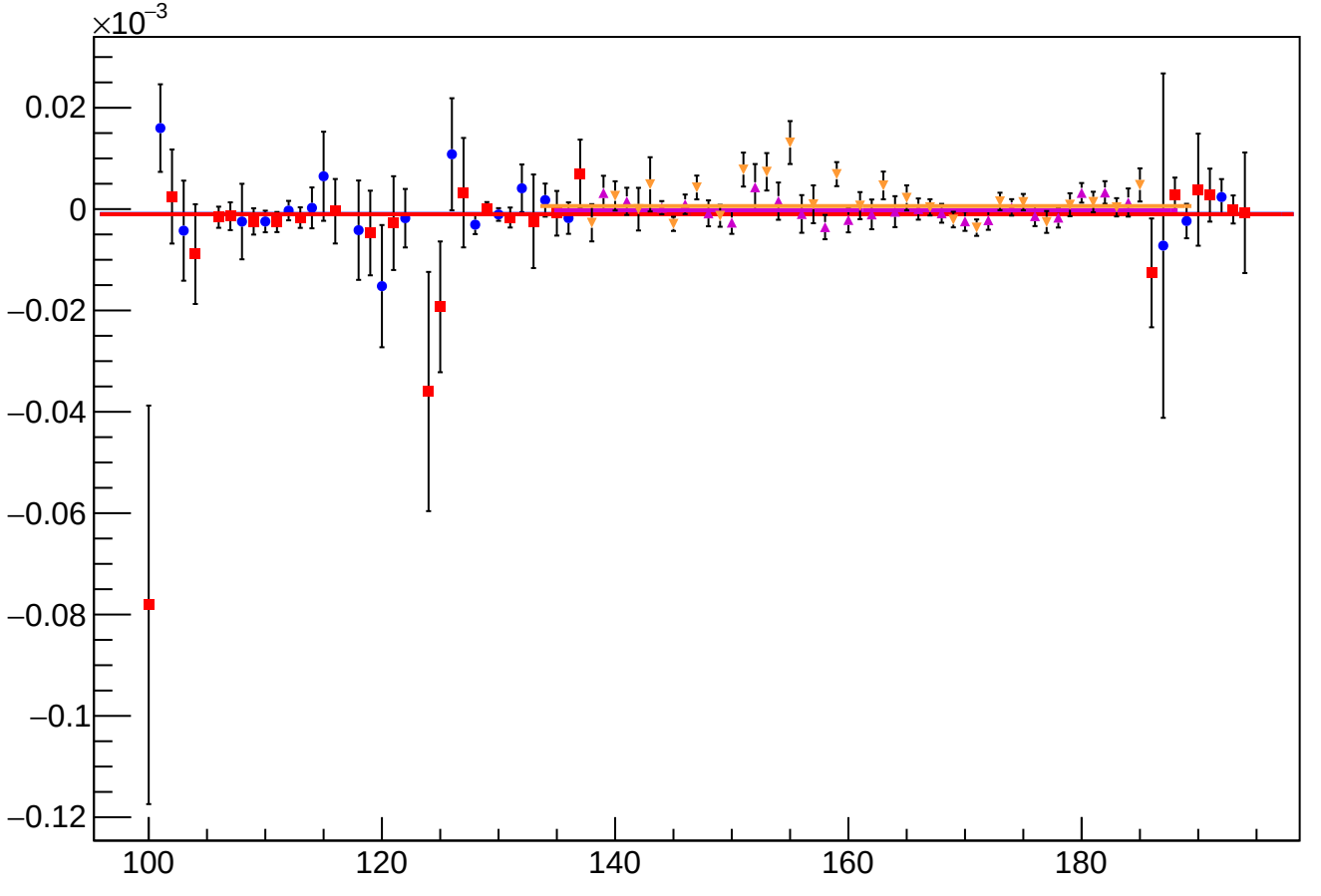
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 64.031+/-0.012 χ^2/NDF: 4240974.9/43

In: 29.047+/-0.005 χ^2/NDF:15733558.9/41

Out: 32.630+/-0.006 χ^2/NDF:18771288.5/49

All: 30.741+/-0.004 χ^2/NDF: 34720148.8/91



Right In: -0.000+/-0.000 χ^2/NDF: 12.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/24

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

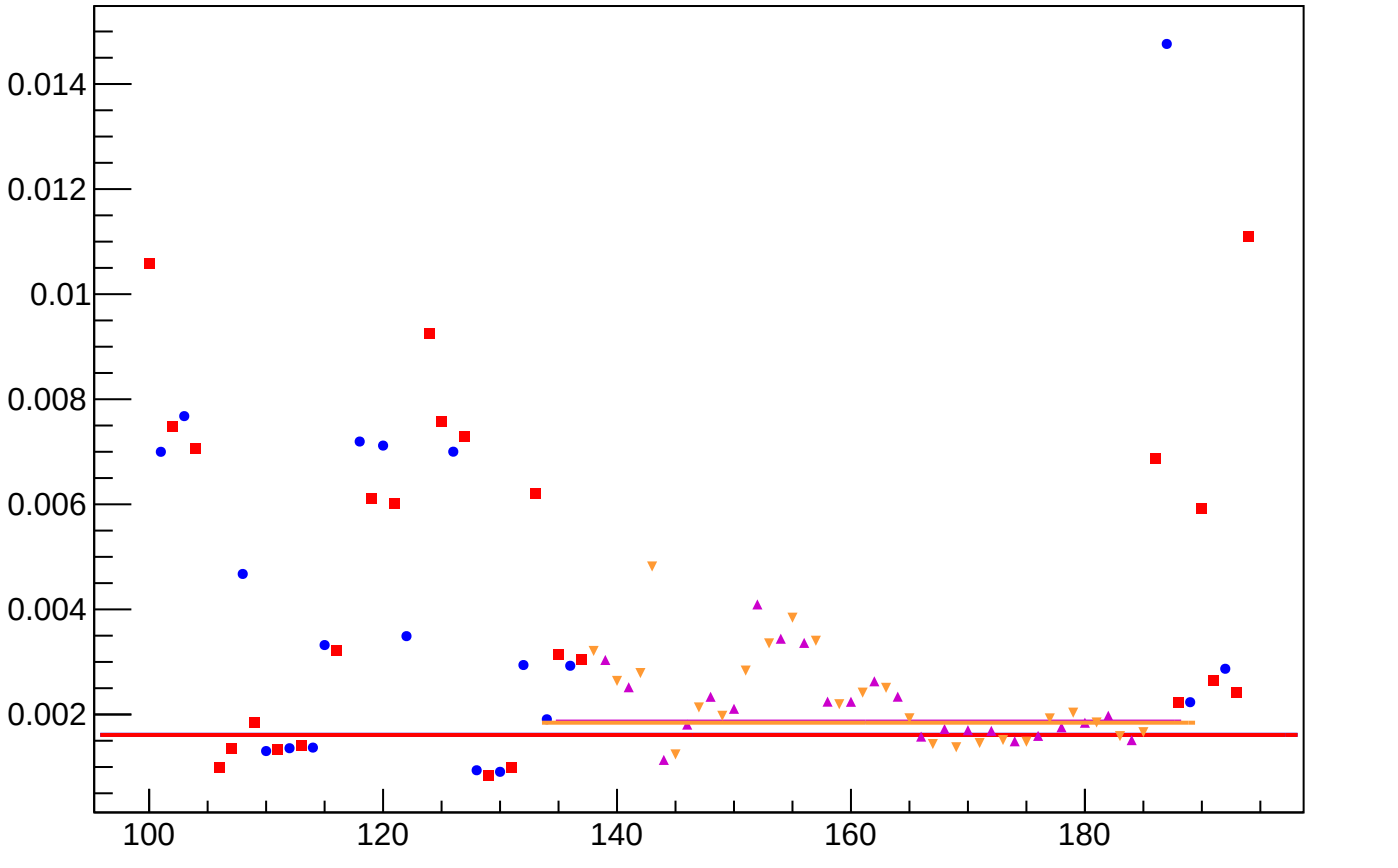
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 28.4/43

In: -0.000+/-0.000 χ^2/NDF:29.6/41

Out: 0.000+/-0.000 χ^2/NDF:72.5/49

All: -0.000+/-0.000 χ^2/NDF: 103.1/91



Right In: 0.002+/-0.000 χ^2/NDF: 5830594.7/18

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8285494.0/24

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

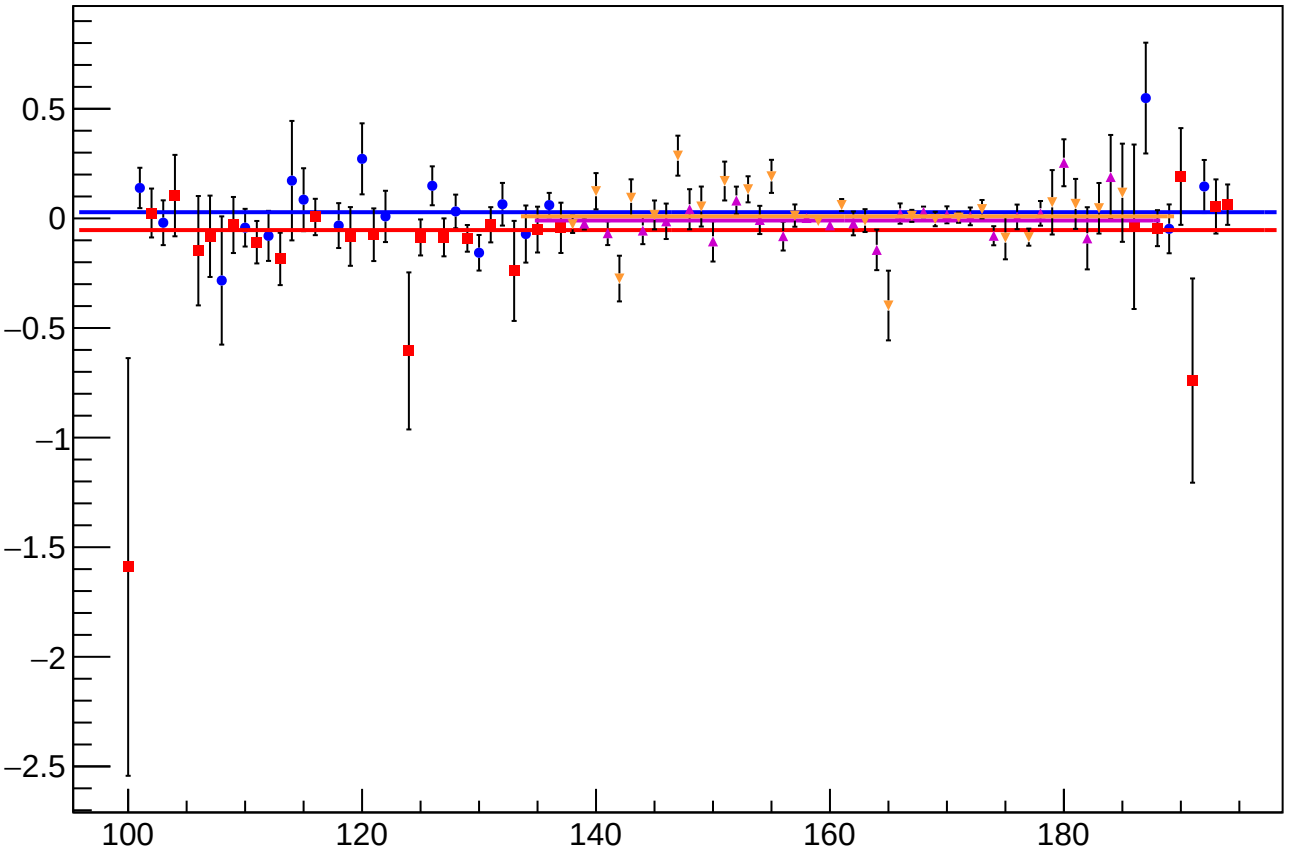
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 14116103.7/43

In: 0.002+/-0.000 χ^2/NDF:8803341.1/41

Out: 0.002+/-0.000 χ^2/NDF:12241579.5/49

All: 0.002+/-0.000 χ^2/NDF: 21047861.7/91



Right In: 0.028+/-0.024 χ^2/NDF: 21.2/18

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.053+/-0.023 χ^2/NDF: 15.7/24

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

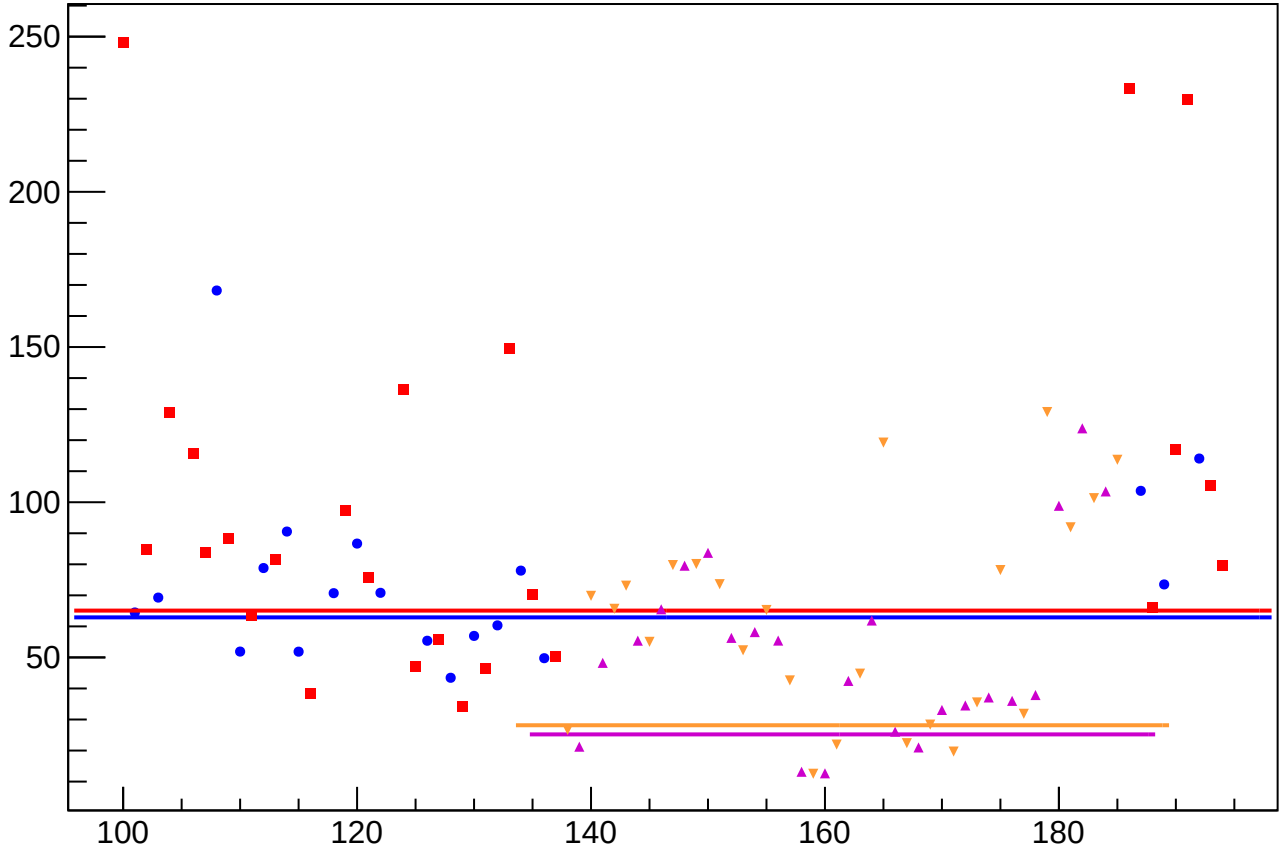
Right: -0.014+/-0.016 χ^2/NDF: 43.1/43

In: -0.006+/-0.008 χ^2/NDF:48.7/41

Out: 0.002+/-0.008 χ^2/NDF:77.1/49

All: -0.002+/-0.005 χ^2/NDF: 126.3/91

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.904+/-0.017 χ^2/NDF: 1157000.5/18

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 65.089+/-0.016 χ^2/NDF: 3075190.7/24

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

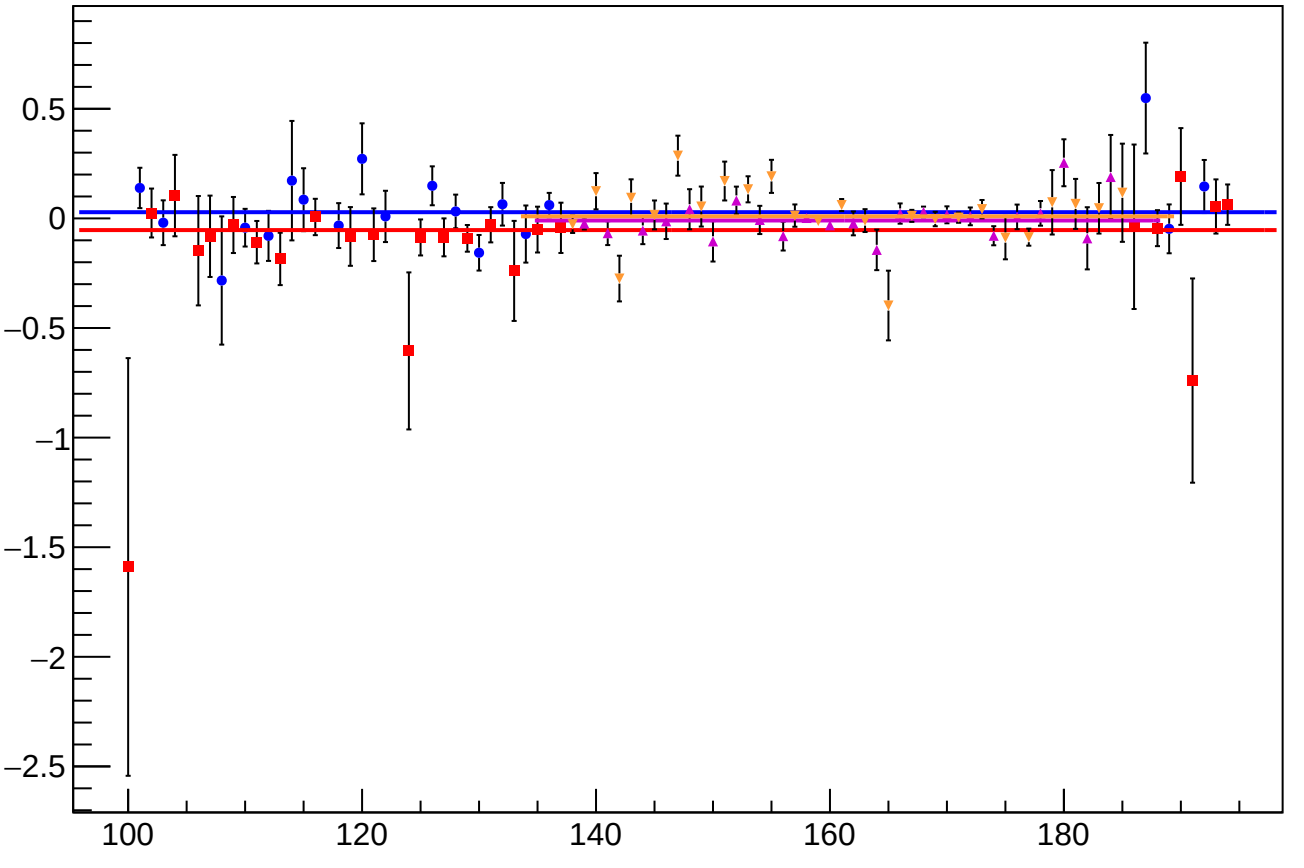
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 64.032+/-0.012 χ^2/NDF: 4241096.1/43

In: 29.047+/-0.005 χ^2/NDF:15734278.0/41

Out: 32.629+/-0.006 χ^2/NDF:18772886.8/49

All: 30.741+/-0.004 χ^2/NDF: 34722371.4/91



Right In: 0.028+/-0.024 χ^2/NDF: 21.2/18

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.053+/-0.023 χ^2/NDF: 15.7/24

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

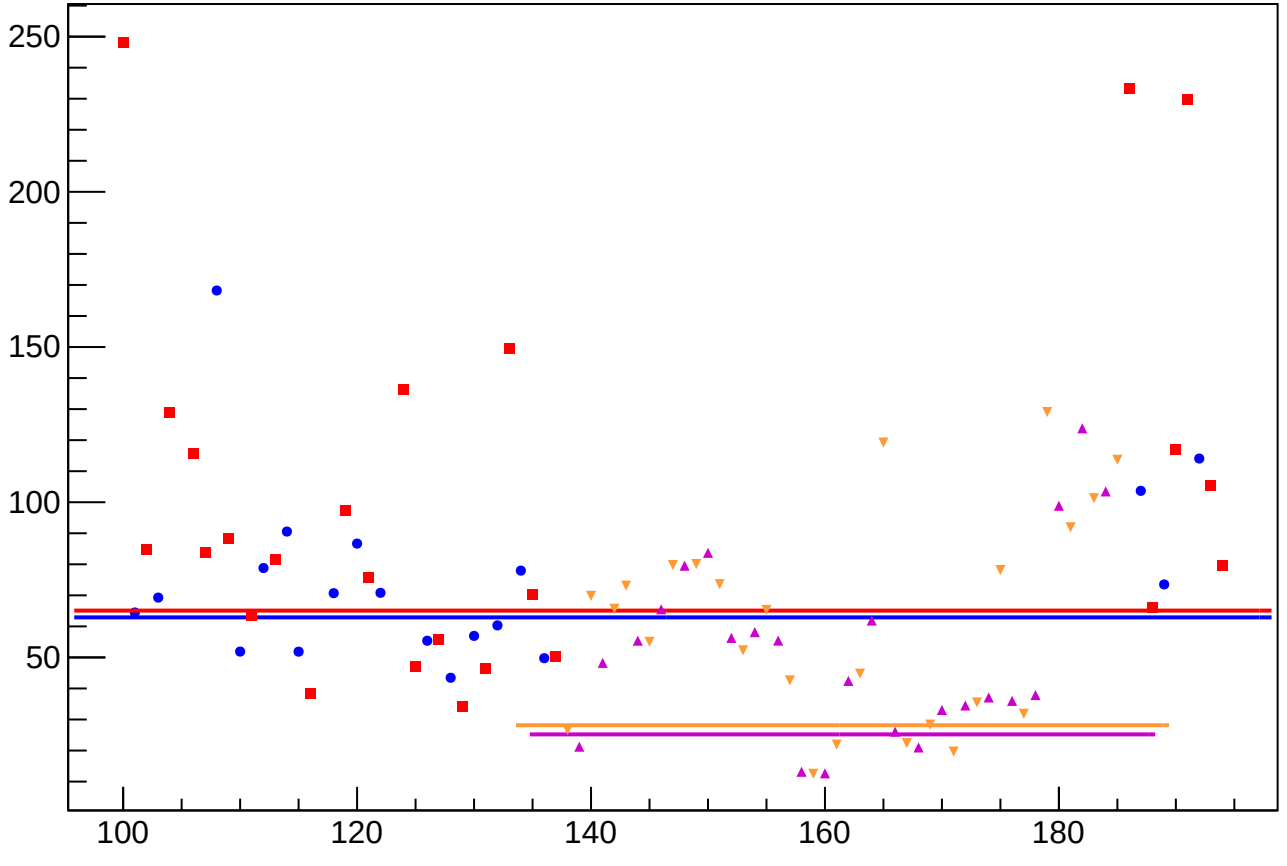
Right: -0.014+/-0.016 χ^2/NDF: 43.1/43

In: -0.006+/-0.008 χ^2/NDF:48.7/41

Out: 0.002+/-0.008 χ^2/NDF:77.1/49

All: -0.002+/-0.005 χ^2/NDF: 126.3/91

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.904+/-0.017 χ^2/NDF: 1157000.5/18

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 65.089+/-0.016 χ^2/NDF: 3075190.7/24

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

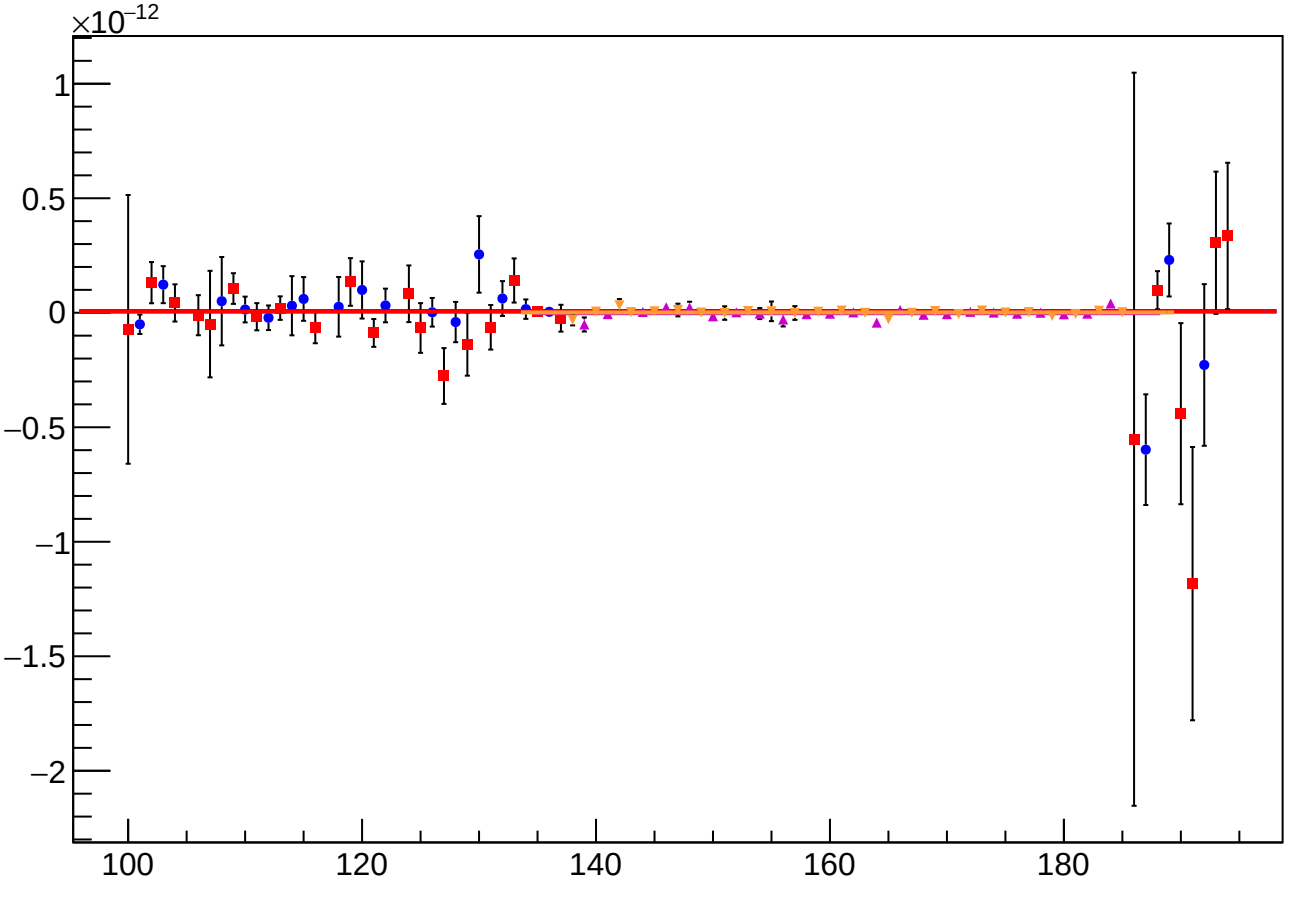
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 64.032+/-0.012 χ^2/NDF: 4241096.1/43

In: 29.047+/-0.005 χ^2/NDF:15734278.0/41

Out: 32.629+/-0.006 χ^2/NDF:18772886.8/49

All: 30.741+/-0.004 χ^2/NDF: 34722371.4/91



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/24

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

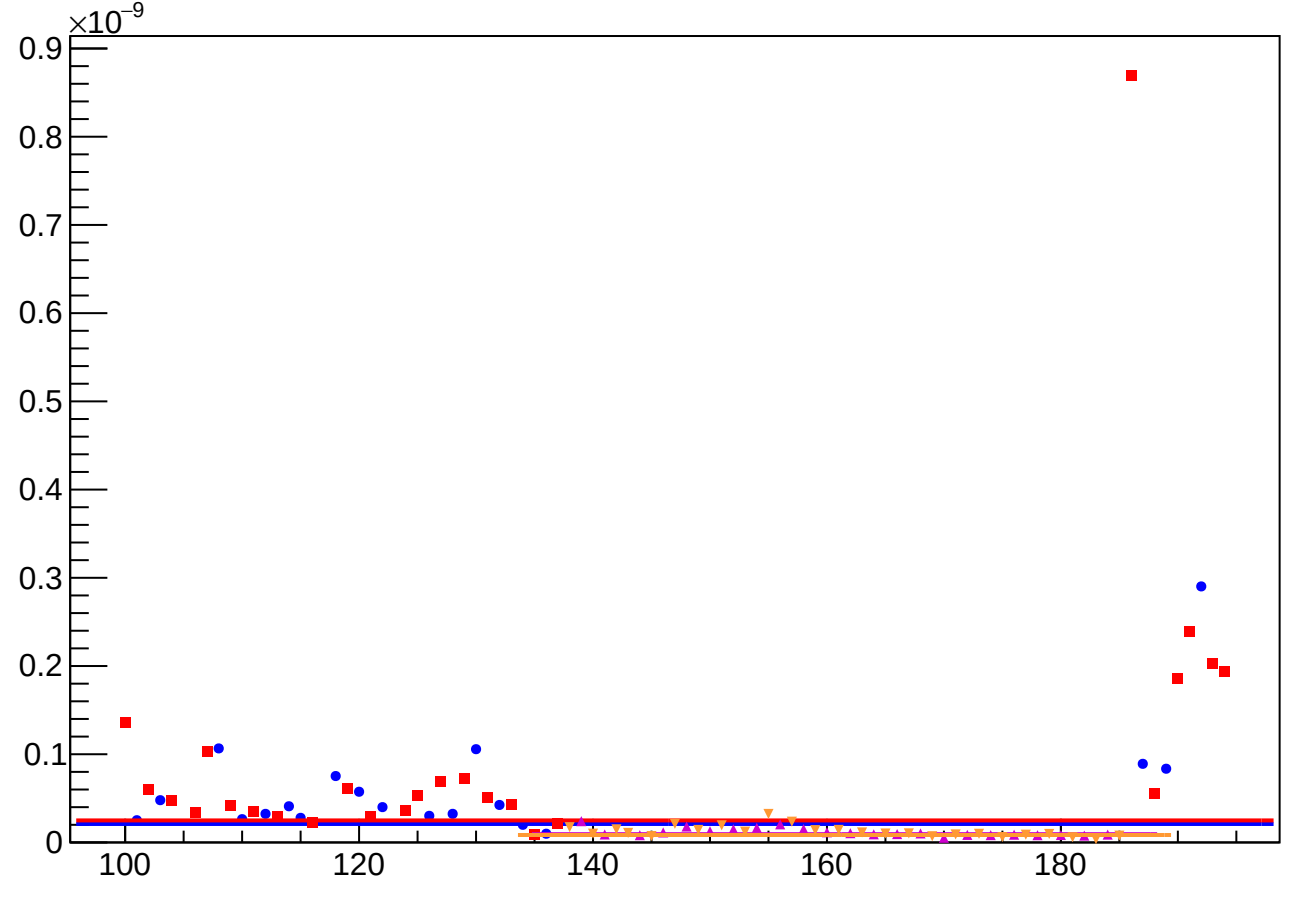
Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

Right: 0.000+/-0.000 χ^2/NDF: 45.4/43

In: -0.000+/-0.000 χ^2/NDF:38.4/41

Out: 0.000+/-0.000 χ^2/NDF:39.7/49

All: 0.000+/-0.000 χ^2/NDF: 78.6/91



Right In: 0.000+/-0.000 χ^2/NDF: 4764440.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6193650.8/24

Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6595432.2/47

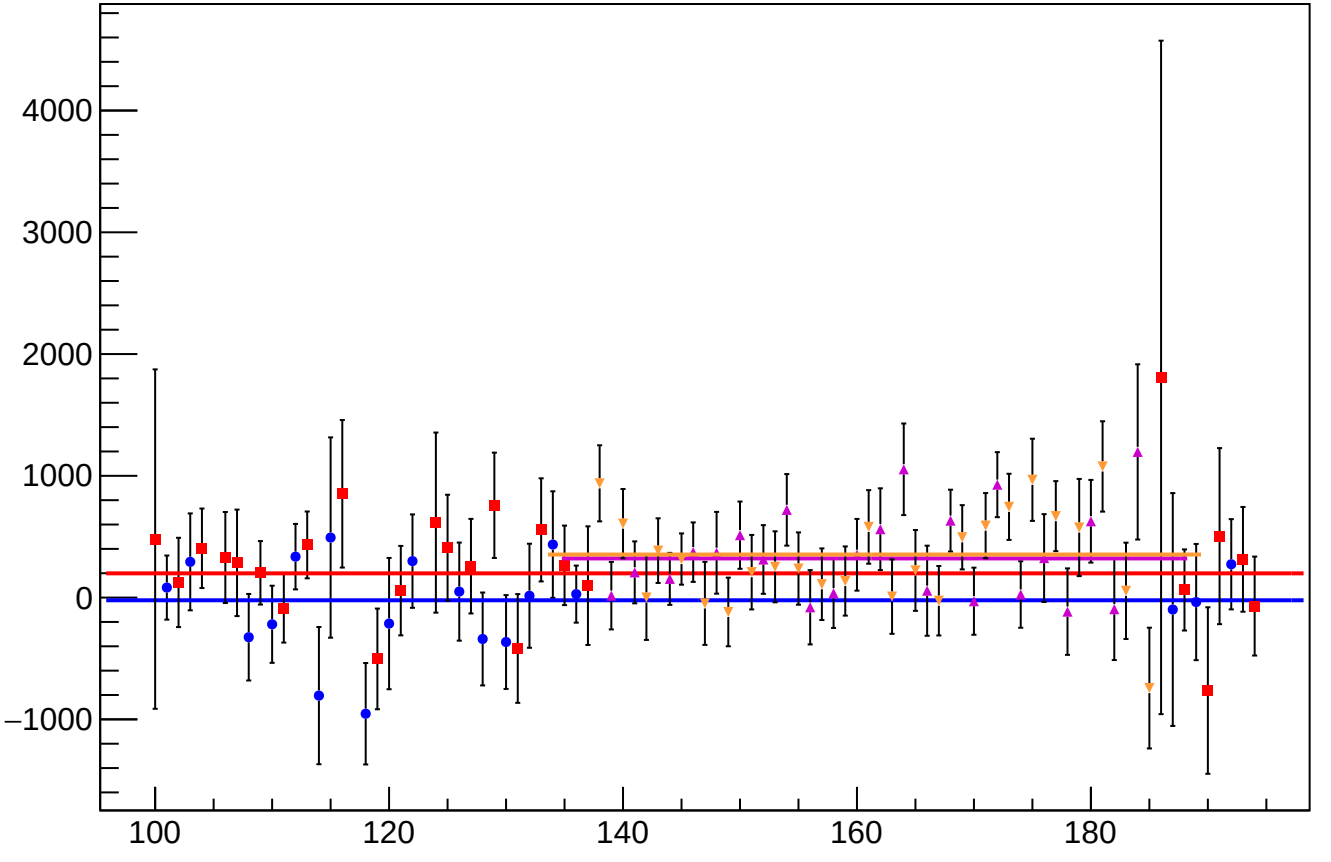
Right: 0.000+/-0.000 χ^2/NDF: 11058209.0/43

In: 0.000+/-0.000 χ^2/NDF:8638857.3/41

Out: 0.000+/-0.000 χ^2/NDF:13490269.6/49

All: 0.000+/-0.000 χ^2/NDF: 22235477.5/91

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -22.018+/-86.212 χ^2/NDF: 15.1/18

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: 199.121+/-80.566 χ^2/NDF: 14.7/24

Left In: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

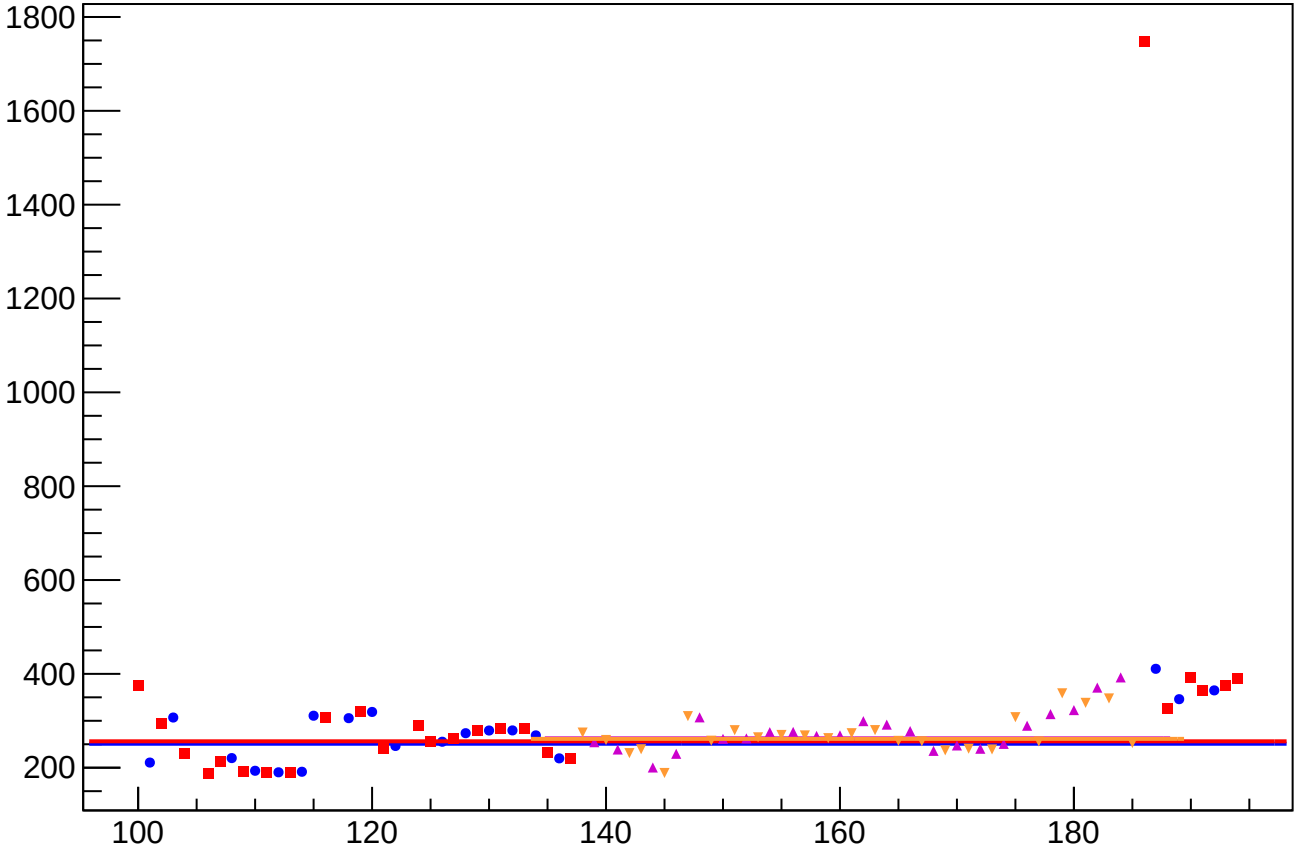
Right: 96.029+/-58.863 χ^2/NDF: 33.4/43

In: 204.124+/-50.396 χ^2/NDF:51.8/41

Out: 298.323+/-48.198 χ^2/NDF:49.4/49

All: 253.322+/-34.832 χ^2/NDF: 103.0/91

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 251.106+/-0.061 χ^2/NDF: 757273.1/18

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 256.266+/-0.057 χ^2/NDF: 1761691.6/24

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

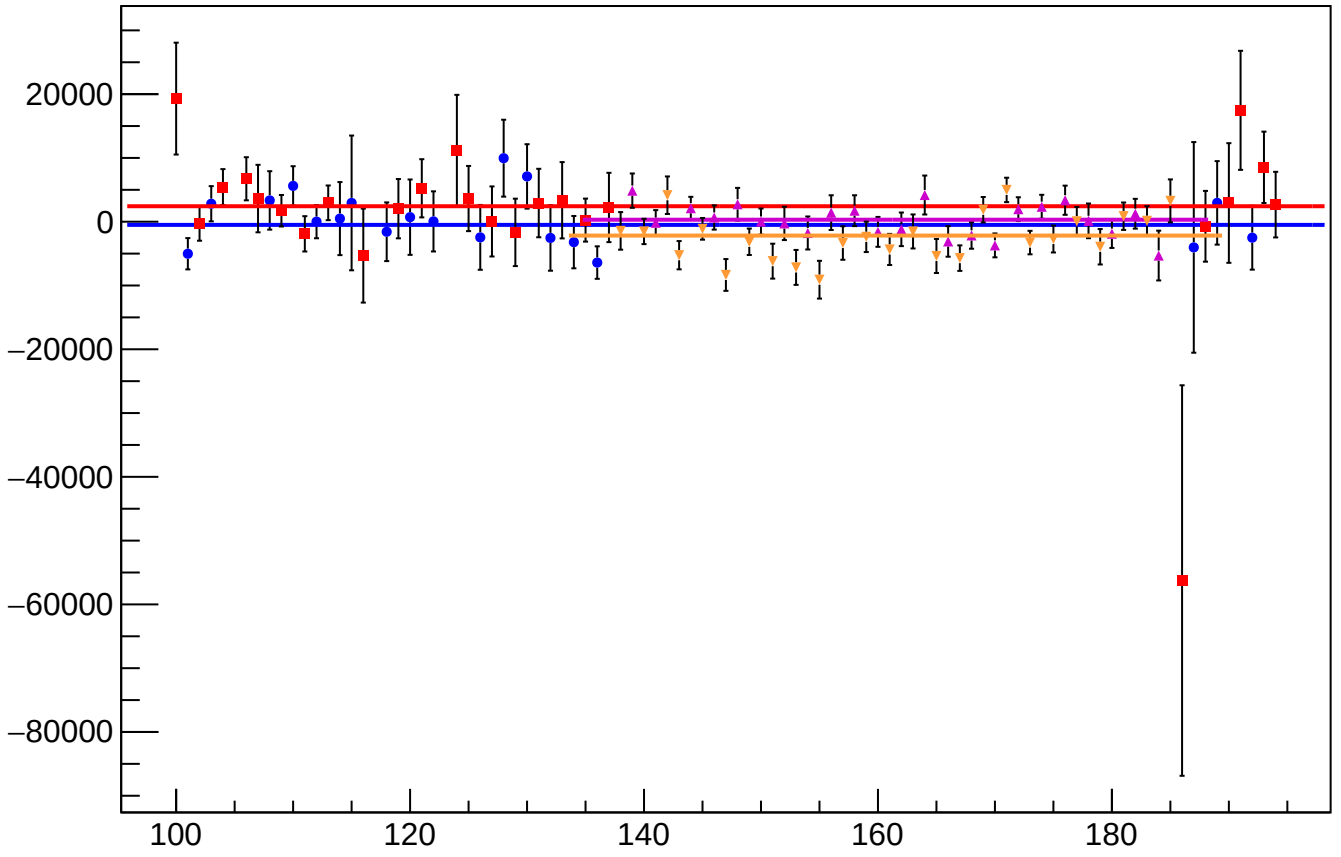
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 253.861+/-0.042 χ^2/NDF: 2522789.2/43

In: 258.683+/-0.036 χ^2/NDF:1451386.1/41

Out: 259.607+/-0.034 χ^2/NDF:2482516.2/49

All: 259.166+/-0.025 χ^2/NDF: 3934253.6/91



Right In: -497.161+/-920.245 χ^2/NDF: 21.6/18

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: 2426.509+/-852.218 χ^2/NDF: 21.7/24

Left In: 313.739+/-474.086 χ^2/NDF:23.7/22

Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

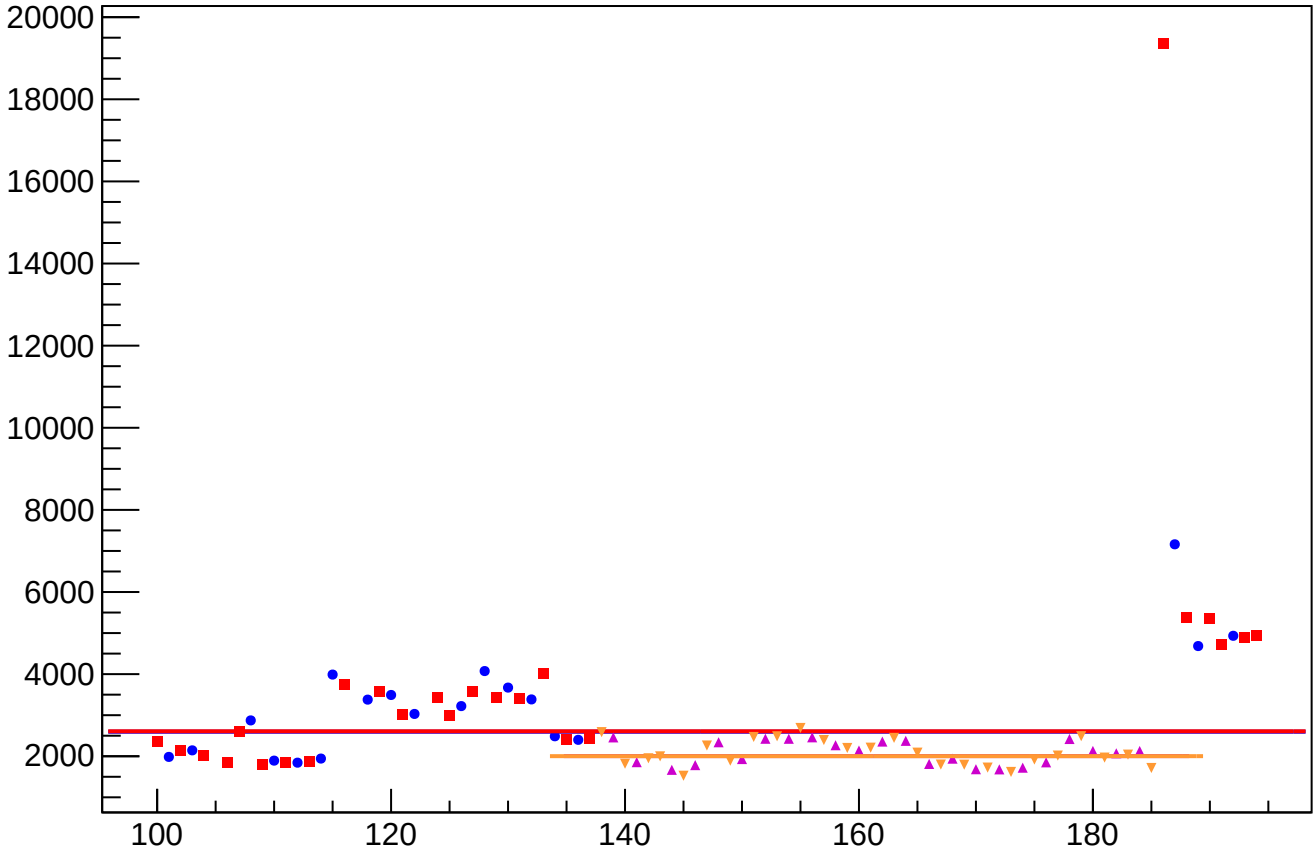
Right: 1076.720+/-625.277 χ^2/NDF: 48.8/43

In: 143.662+/-421.446 χ^2/NDF:45.9/41

Out: -1128.617+/-405.918 χ^2/NDF:99.7/49

All: -516.348+/-292.363 χ^2/NDF: 150.3/91

asym_sam4_reg_correction_rms vs Slug, Sign Corrected



Right In: 2597.432+/-0.651 χ^2/NDF: 1730663.6/18

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2608.119+/-0.603 χ^2/NDF: 3339749.5/24

Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.7/47

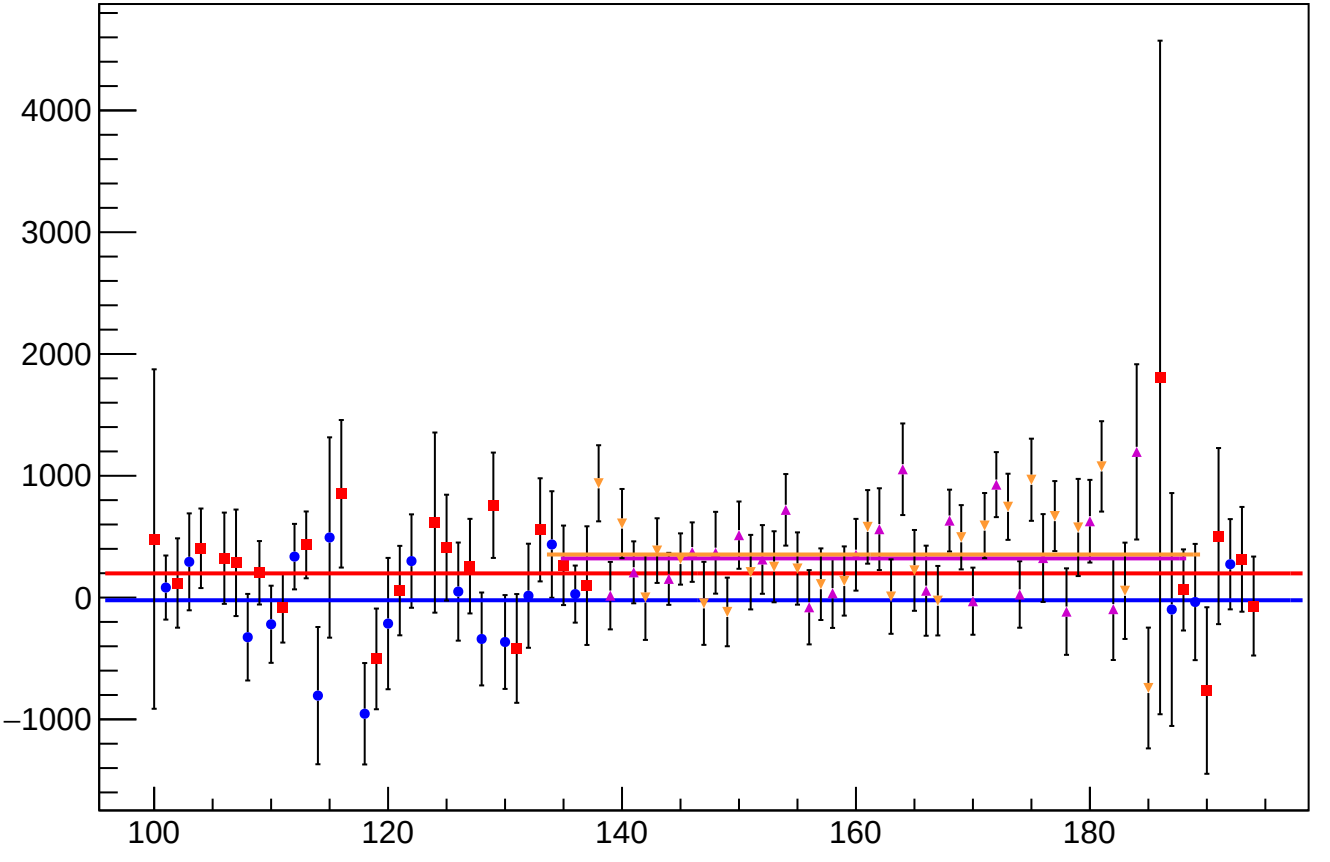
Right: 2603.185+/-0.442 χ^2/NDF: 5070558.3/43

In: 2128.658+/-0.298 χ^2/NDF:3092302.6/41

Out: 2139.687+/-0.287 χ^2/NDF:5014028.8/49

All: 2134.379+/-0.207 χ^2/NDF: 8107041.8/91

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -22.036+/-86.212 χ^2/NDF: 15.1/18

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 198.565+/-80.576 χ^2/NDF: 14.7/24

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

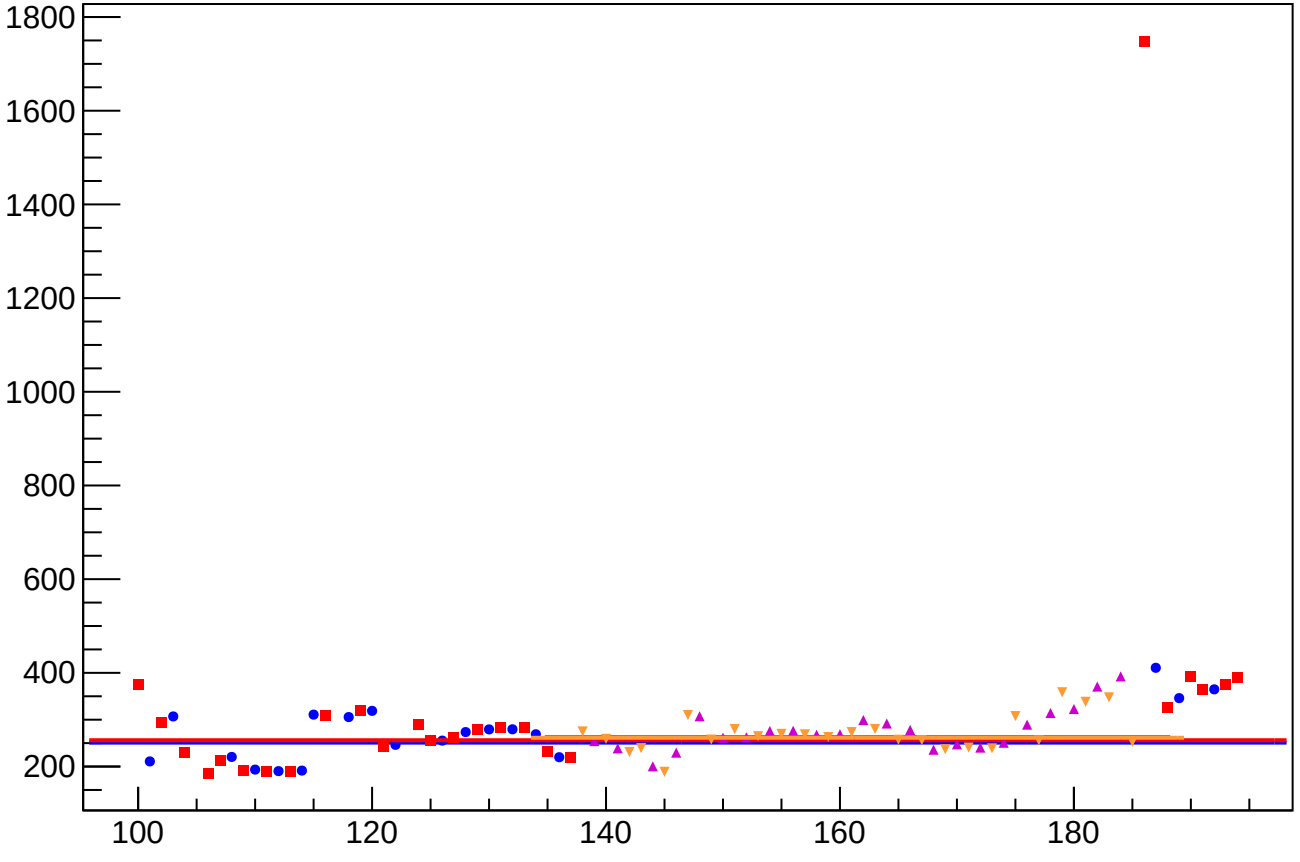
Right: 95.710+/-58.868 χ^2/NDF: 33.3/43

In: 204.121+/-50.396 χ^2/NDF:51.8/41

Out: 298.149+/-48.200 χ^2/NDF:49.4/49

All: 253.227+/-34.833 χ^2/NDF: 103.0/91

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 251.106+/-0.061 χ^2/NDF: 757275.1/18

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 256.170+/-0.057 χ^2/NDF: 1766527.2/24

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

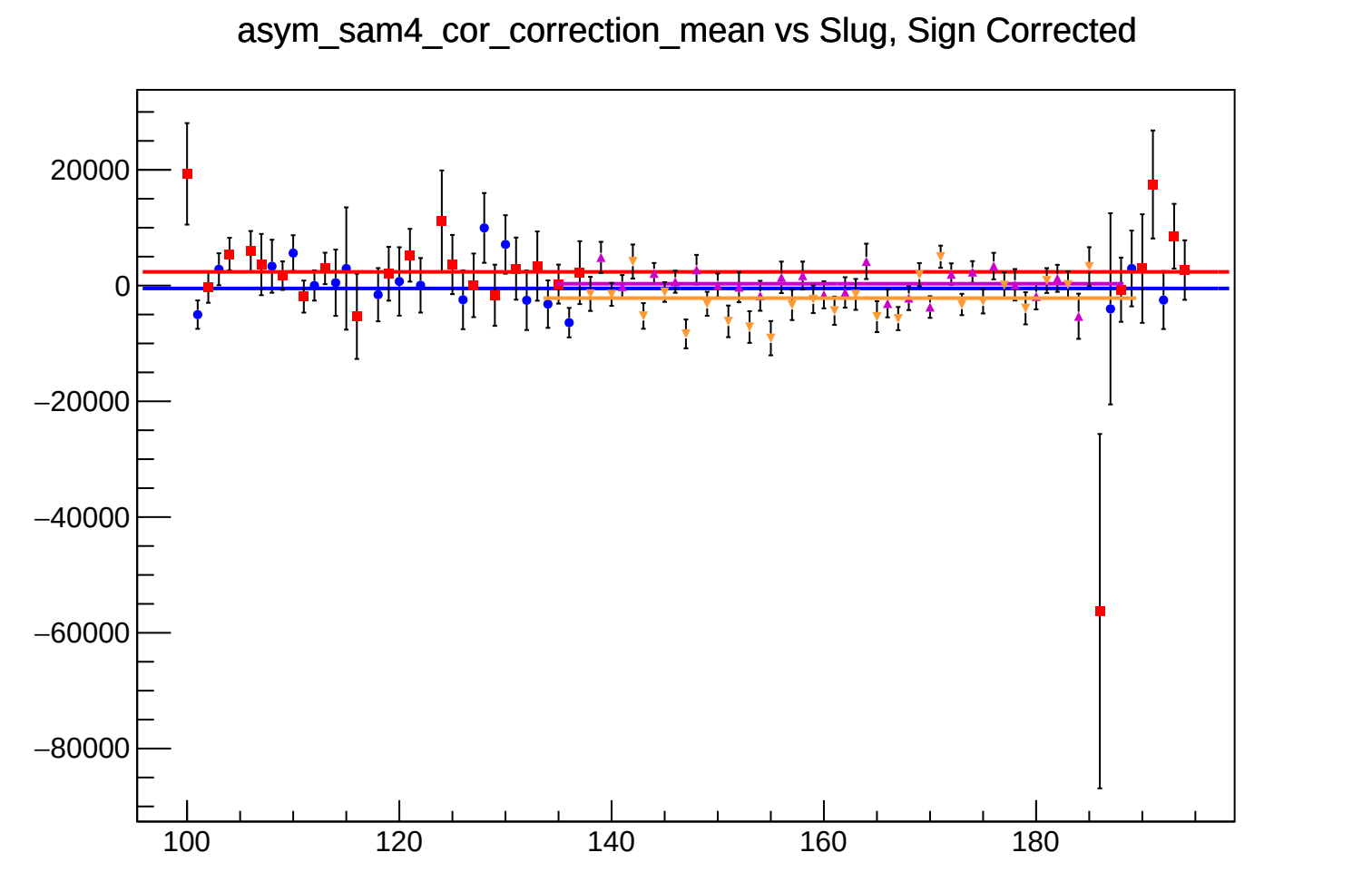
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 253.809+/-0.042 χ^2/NDF: 2527484.5/43

In: 258.683+/-0.036 χ^2/NDF:1451388.0/41

Out: 259.573+/-0.034 χ^2/NDF:2487551.7/49

All: 259.148+/-0.025 χ^2/NDF: 3939265.4/91



Right In: -497.319+/-920.252 χ^2/NDF: 21.6/18

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2366.209+/-853.682 χ^2/NDF: 21.1/24

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

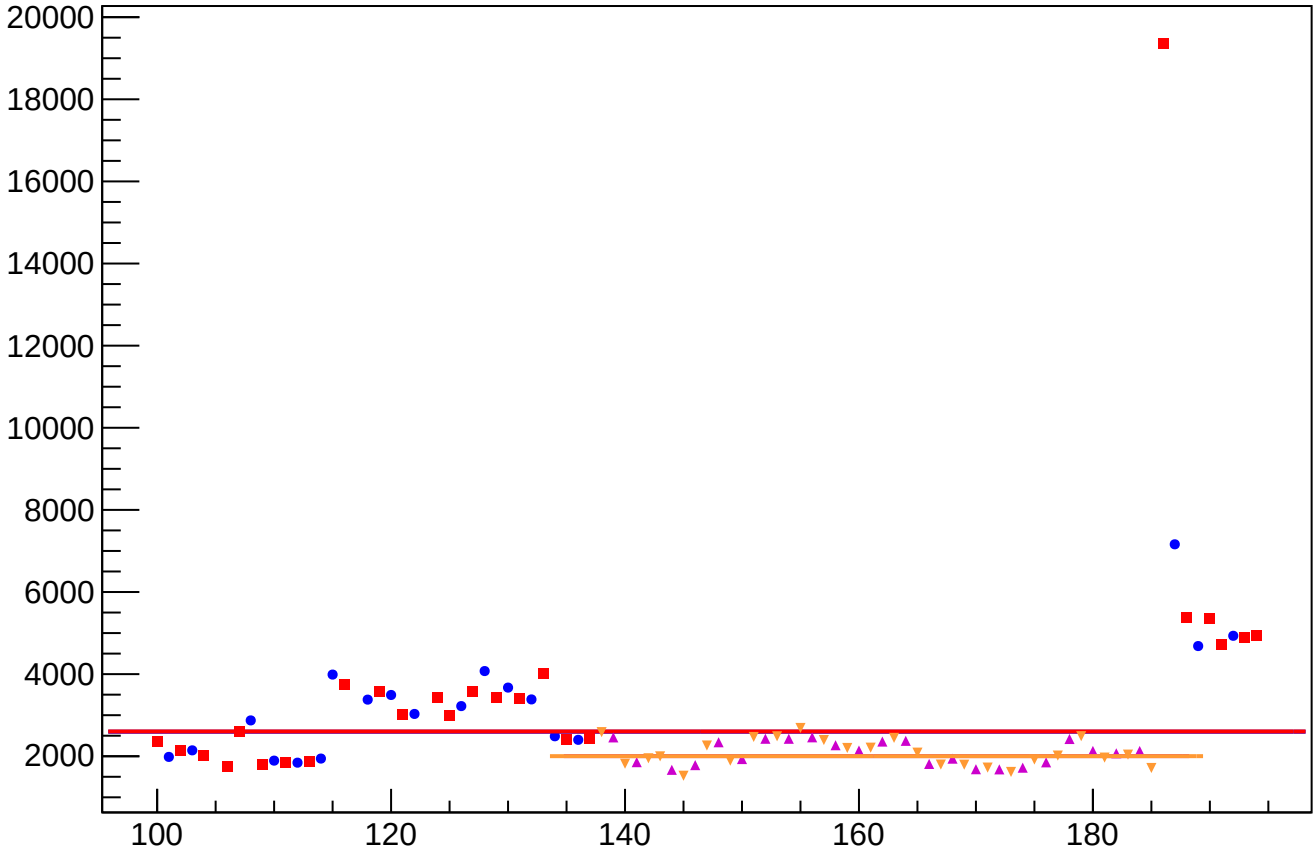
Right: 1041.754+/-625.857 χ^2/NDF: 47.9/43

In: 143.635+/-421.447 χ^2/NDF:45.9/41

Out: -1145.004+/-406.076 χ^2/NDF:98.5/49

All: -524.613+/-292.422 χ^2/NDF: 149.2/91

asym_sam4_cor_correction_rms vs Slug, Sign Corrected



Right In: 2597.458+/-0.651 χ^2/NDF: 1730616.5/18

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2604.026+/-0.604 χ^2/NDF: 3364216.0/24

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

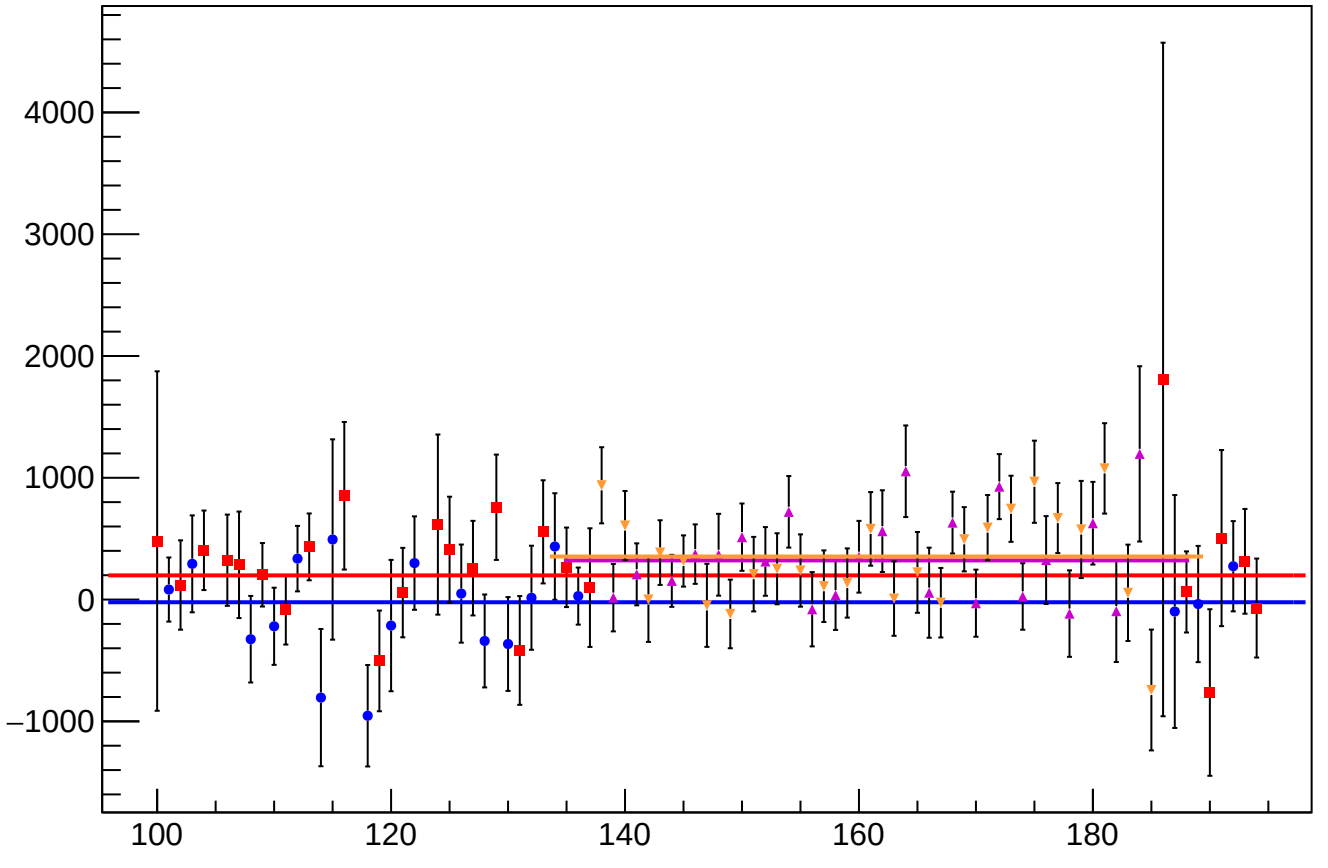
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

Right: 2600.988+/-0.443 χ^2/NDF: 5094887.2/43

In: 2128.662+/-0.298 χ^2/NDF:3092302.8/41

Out: 2138.396+/-0.287 χ^2/NDF:5025926.4/49

All: 2133.710+/-0.207 χ^2/NDF: 8118782.4/91



Right In: -22.036+/-86.212 χ^2/NDF: 15.1/18

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 198.565+/-80.576 χ^2/NDF: 14.7/24

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

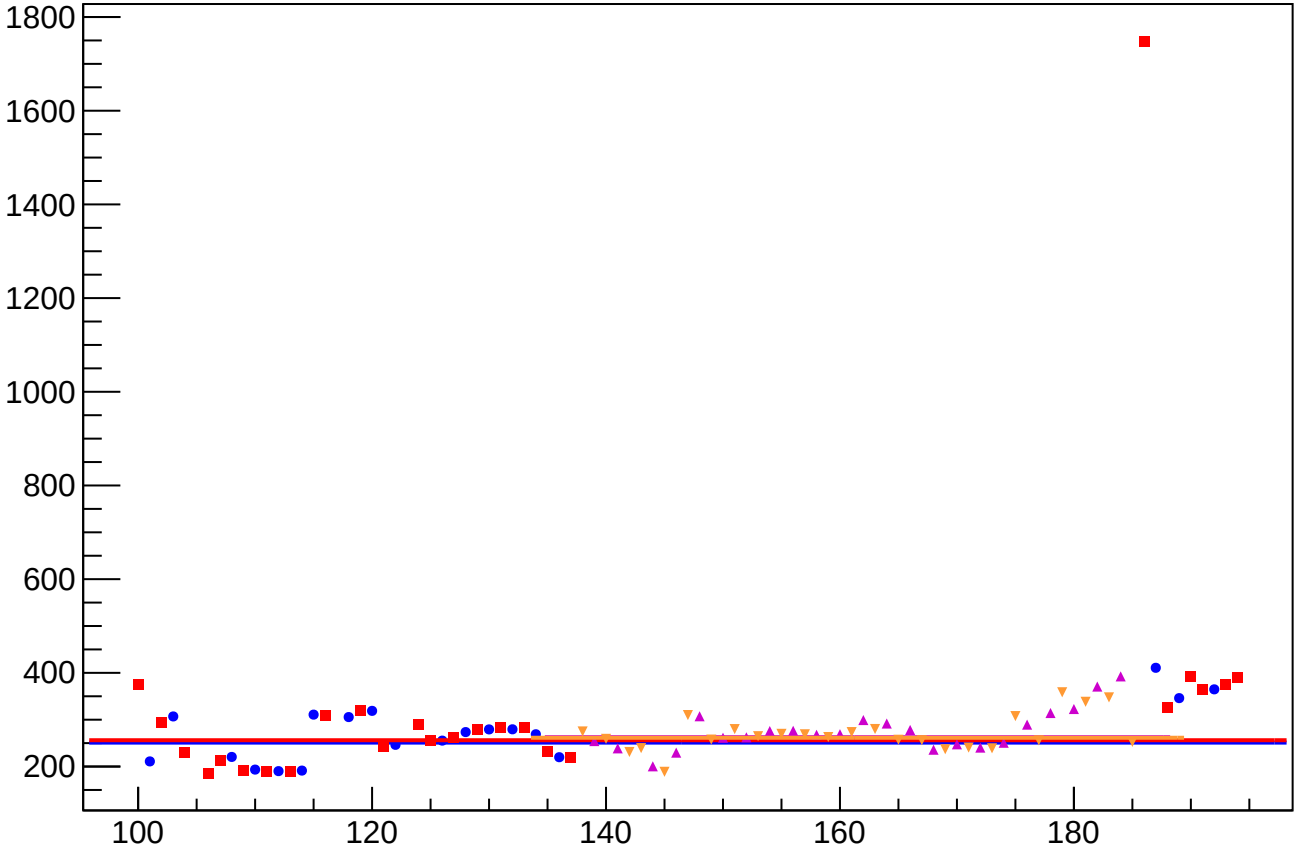
Right: 95.710+/-58.868 χ^2/NDF: 33.3/43

In: 204.121+/-50.396 χ^2/NDF:51.8/41

Out: 298.149+/-48.200 χ^2/NDF:49.4/49

All: 253.227+/-34.833 χ^2/NDF: 103.0/91

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 251.106+/-0.061 χ^2/NDF: 757275.1/18

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 256.170+/-0.057 χ^2/NDF: 1766527.2/24

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

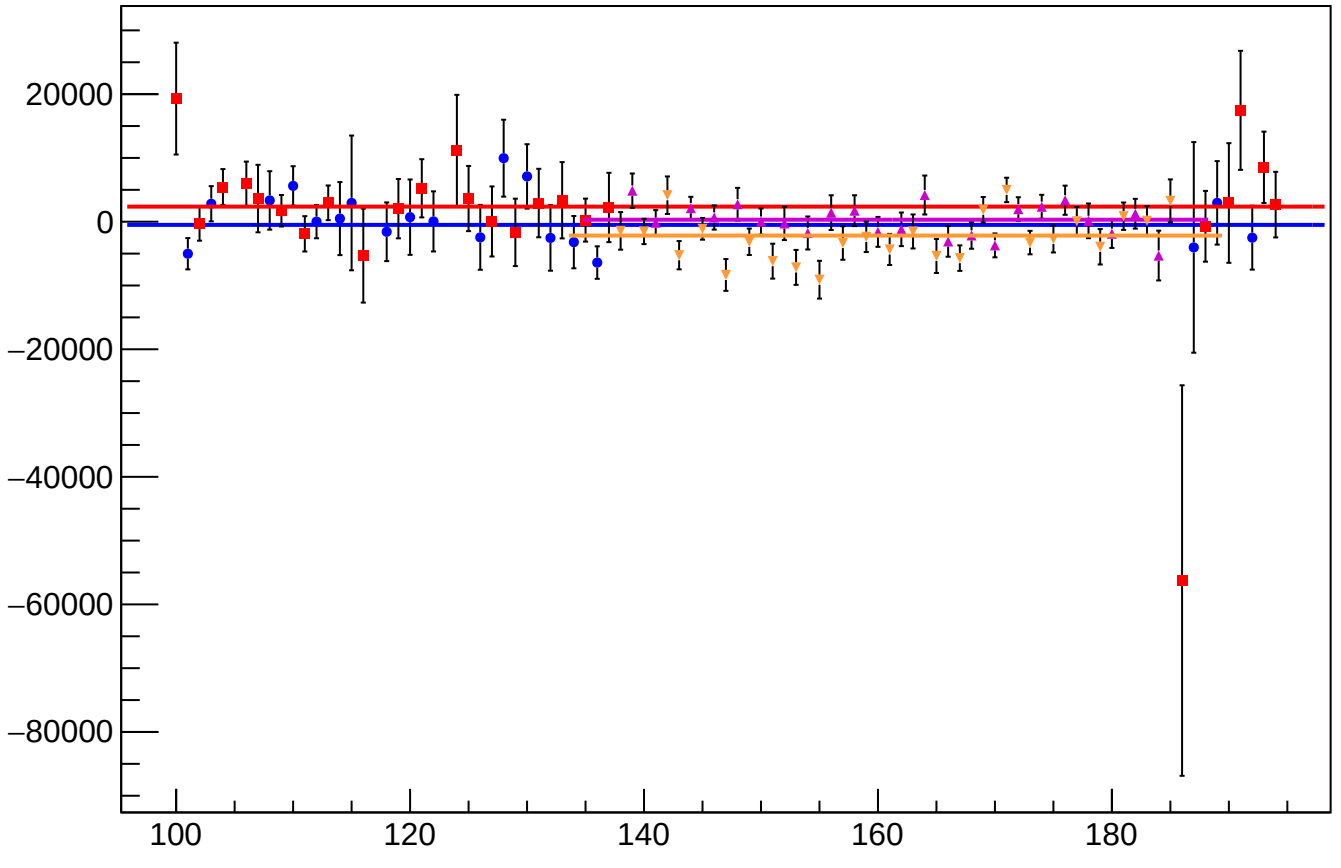
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 253.809+/-0.042 χ^2/NDF: 2527484.5/43

In: 258.683+/-0.036 χ^2/NDF:1451388.0/41

Out: 259.573+/-0.034 χ^2/NDF:2487551.7/49

All: 259.148+/-0.025 χ^2/NDF: 3939265.4/91



Right In: -497.319+/-920.252 χ^2/NDF: 21.6/18

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2366.209+/-853.682 χ^2/NDF: 21.1/24

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

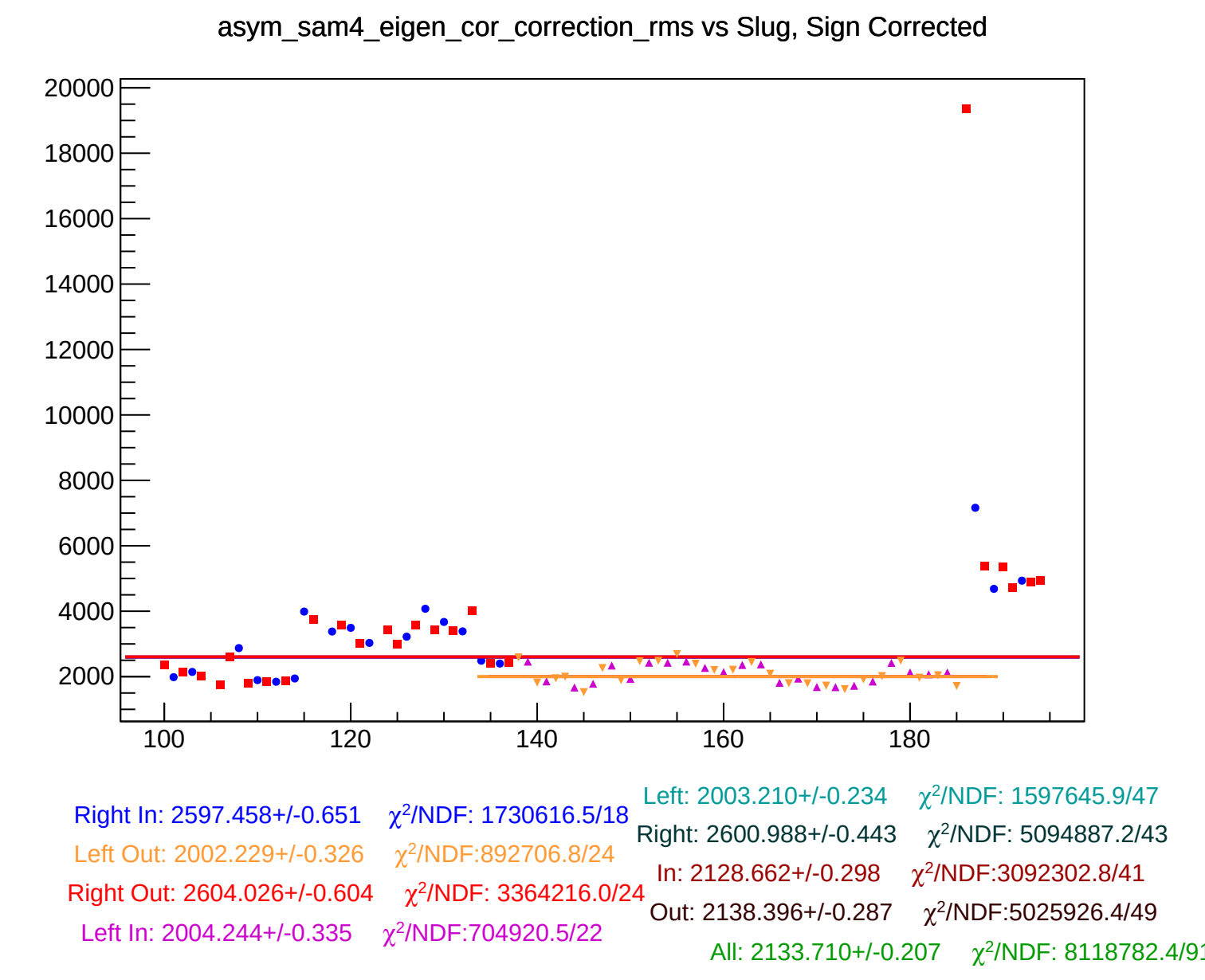
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

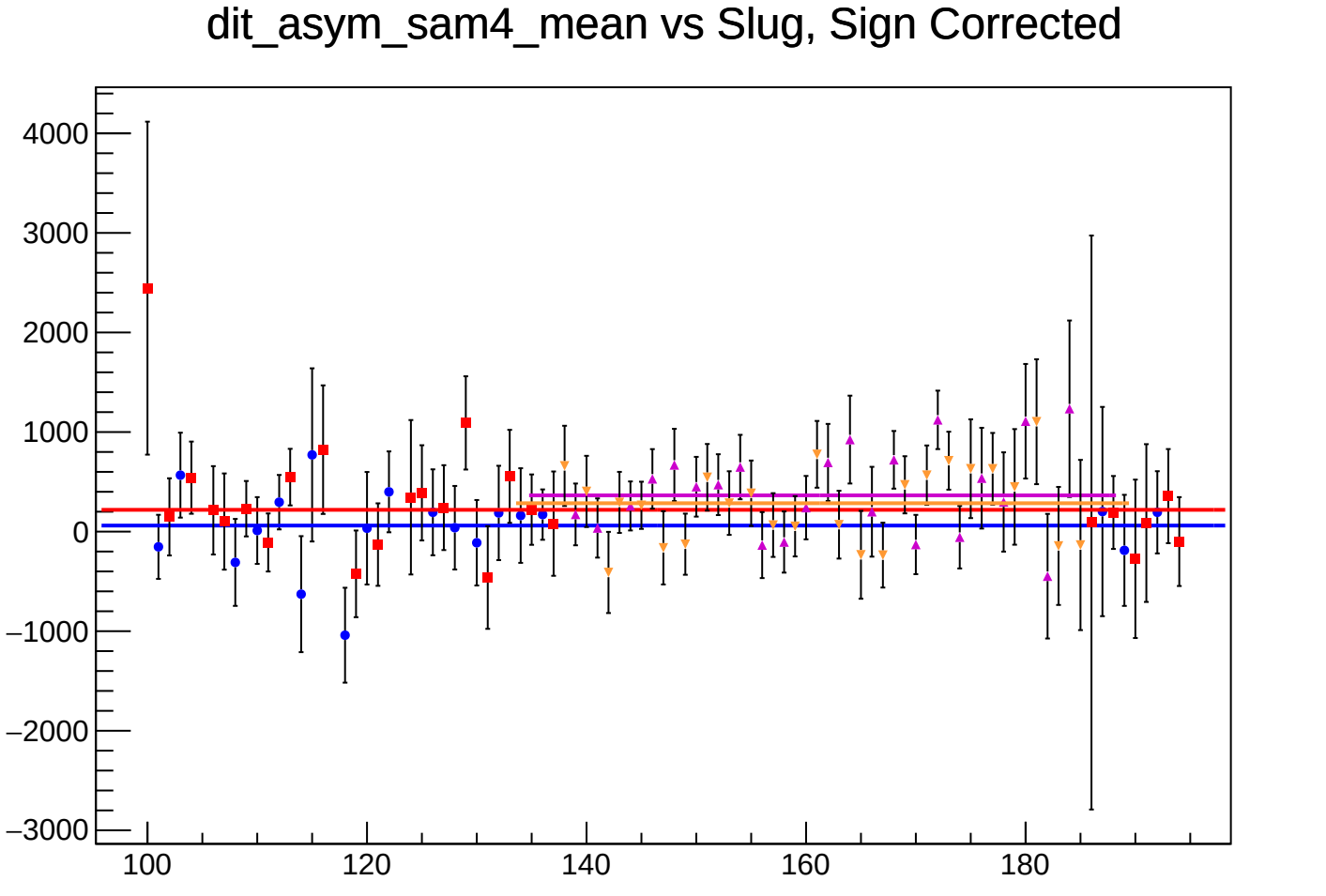
Right: 1041.754+/-625.857 χ^2/NDF: 47.9/43

In: 143.635+/-421.447 χ^2/NDF:45.9/41

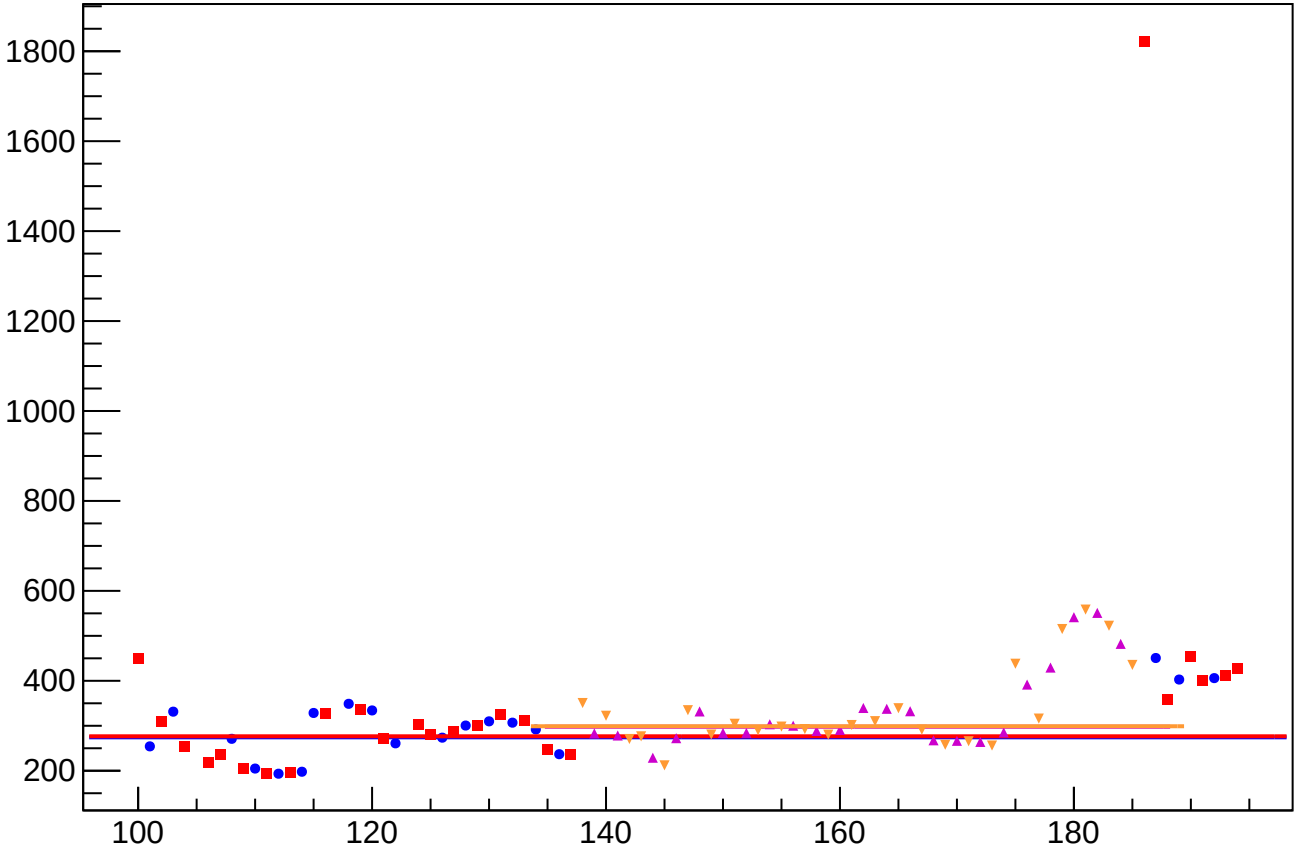
Out: -1145.004+/-406.076 χ^2/NDF:98.5/49

All: -524.613+/-292.422 χ^2/NDF: 149.2/91


asym_sam4_eigen_cor_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
Right In: 2597.458+/-0.651 χ²/NDF: 1730616.5/18
Left Out: 2002.229+/-0.326 χ²/NDF:892706.8/24
Right Out: 2604.026+/-0.604 χ²/NDF: 3364216.0/24
Left In: 2004.244+/-0.335 χ²/NDF:704920.5/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.9/47
Right: 2600.988+/-0.443 χ²/NDF: 5094887.2/43
In: 2128.662+/-0.298 χ²/NDF:3092302.8/41
Out: 2138.396+/-0.287 χ²/NDF:5025926.4/49
All: 2133.710+/-0.207 χ²/NDF: 8118782.4/91


dit_asym_sam4_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
−3000
100
120
140
160
180
Right In: 60.792+/-94.682 χ²/NDF: 12.3/18
Left Out: 284.913+/-70.036 χ²/NDF:22.8/24
Right Out: 218.772+/-87.402 χ²/NDF: 16.0/24
Left In: 364.163+/-71.714 χ²/NDF:28.2/22
Left: 323.600+/-50.106 χ²/NDF: 51.7/47
Right: 146.088+/-64.222 χ²/NDF: 29.8/43
In: 253.571+/-57.167 χ²/NDF:47.0/41
Out: 259.050+/-54.654 χ²/NDF:39.2/49
All: 256.434+/-39.505 χ²/NDF: 86.2/91

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 274.337+/-0.067 χ^2/NDF: 864235.0/18

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 276.604+/-0.062 χ^2/NDF: 1877956.6/24

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

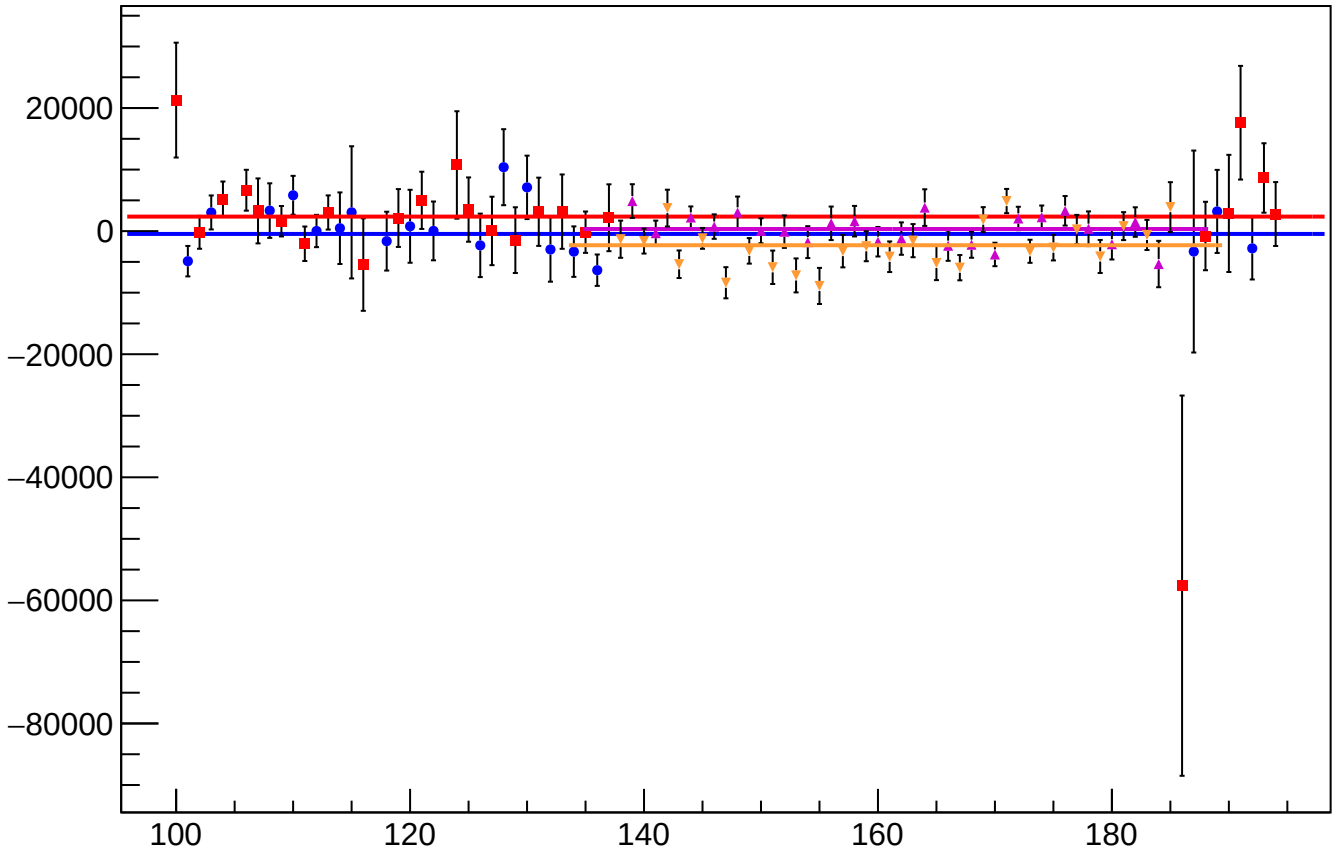
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 275.561+/-0.045 χ^2/NDF: 2742810.9/43

In: 289.301+/-0.040 χ^2/NDF:2261912.7/41

Out: 290.205+/-0.039 χ^2/NDF:3570561.1/49

All: 289.773+/-0.028 χ^2/NDF: 5832735.2/91



Right In: -456.597+/-928.119 χ^2/NDF: 21.7/18

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: 2360.762+/-858.684 χ^2/NDF: 22.1/24

Left In: 342.609+/-483.605 χ^2/NDF:22.8/22

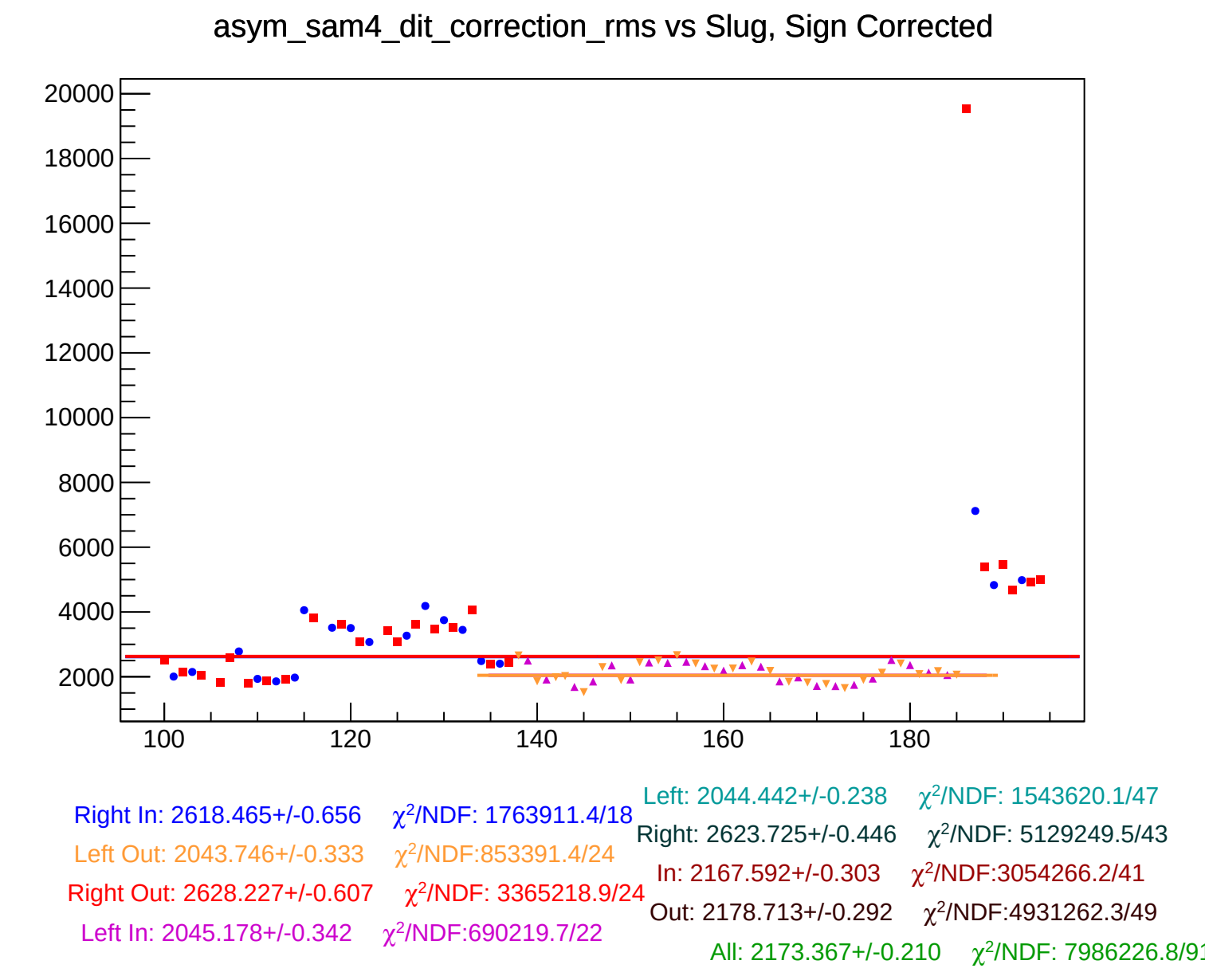
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

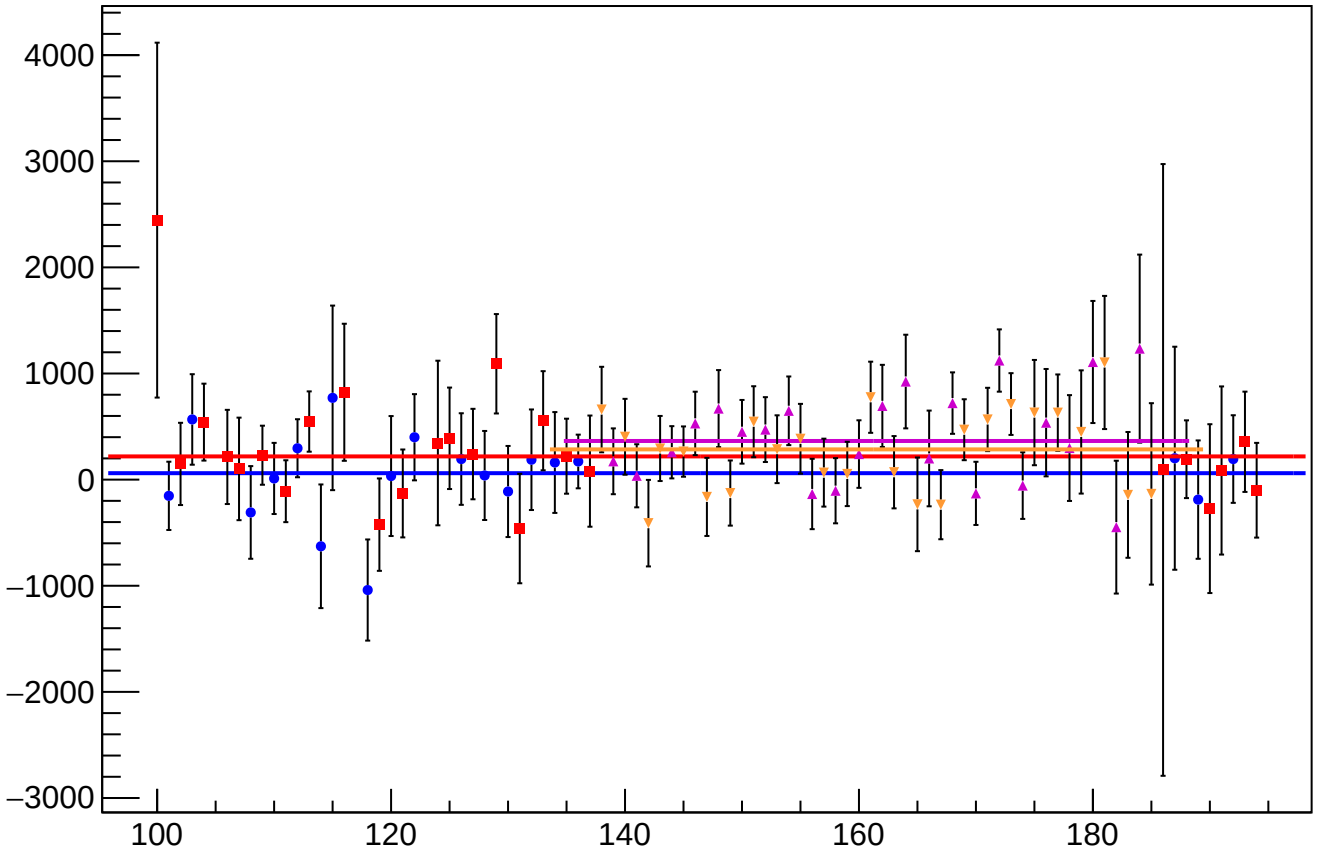
Right: 1061.401+/-630.300 χ^2/NDF: 48.8/43

In: 171.955+/-428.876 χ^2/NDF:45.2/41

Out: -1216.818+/-412.631 χ^2/NDF:96.4/49

All: -549.231+/-297.352 χ^2/NDF: 147.0/91


asym_sam4_dit_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
Right In: 2618.465+/-0.656 χ²/NDF: 1763911.4/18
Left Out: 2043.746+/-0.333 χ²/NDF:853391.4/24
Right Out: 2628.227+/-0.607 χ²/NDF: 3365218.9/24
Left In: 2045.178+/-0.342 χ²/NDF:690219.7/22
Left: 2044.442+/-0.238 χ²/NDF: 1543620.1/47
Right: 2623.725+/-0.446 χ²/NDF: 5129249.5/43
In: 2167.592+/-0.303 χ²/NDF:3054266.2/41
Out: 2178.713+/-0.292 χ²/NDF:4931262.3/49
All: 2173.367+/-0.210 χ²/NDF: 7986226.8/91



Right In: 60.796+/-94.682 χ^2/NDF: 12.3/18

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: 218.771+/-87.402 χ^2/NDF: 16.0/24

Left In: 364.164+/-71.714 χ^2/NDF:28.2/22

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

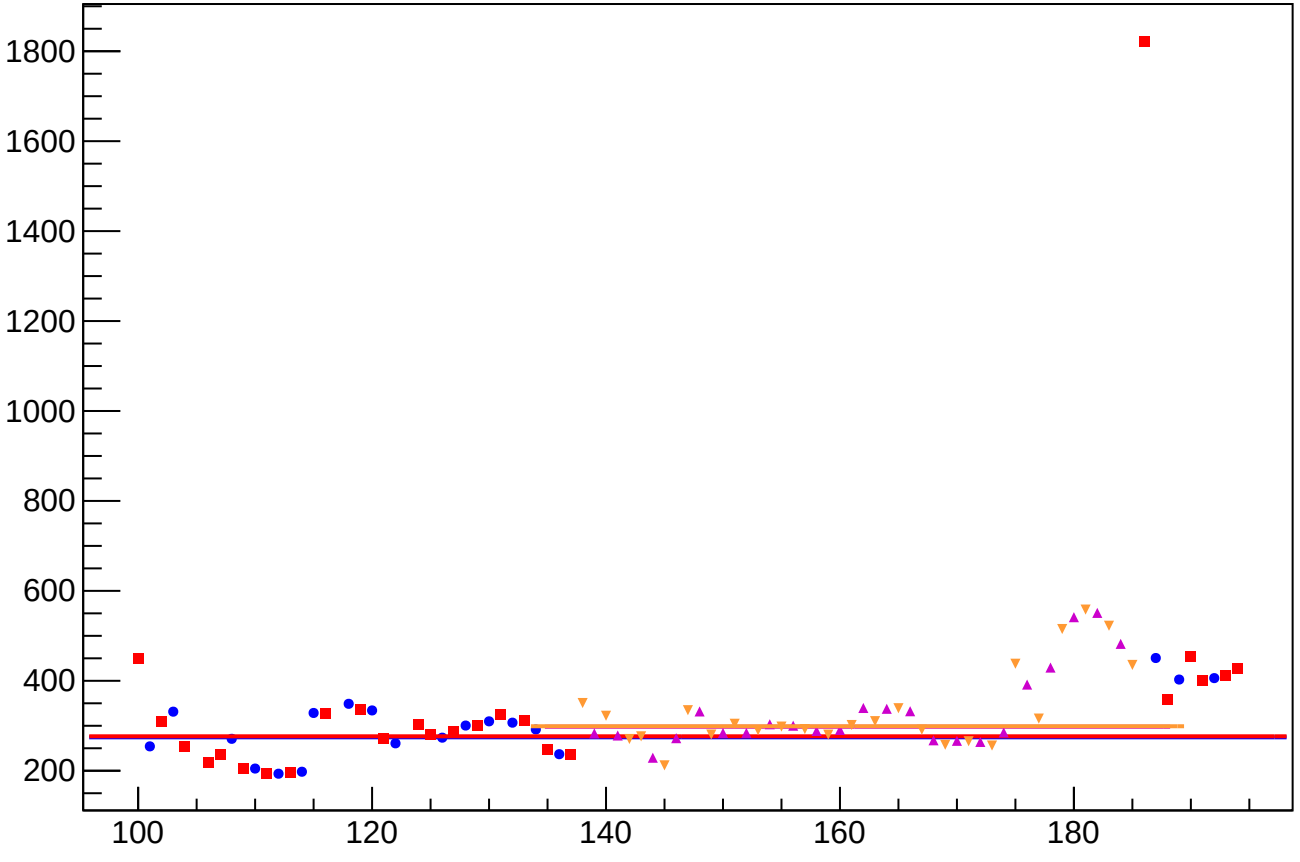
Right: 146.090+/-64.222 χ^2/NDF: 29.8/43

In: 253.573+/-57.167 χ^2/NDF:47.0/41

Out: 259.053+/-54.654 χ^2/NDF:39.2/49

All: 256.436+/-39.505 χ^2/NDF: 86.2/91

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 274.337+/-0.067 χ^2/NDF: 864231.0/18

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 276.604+/-0.062 χ^2/NDF: 1877958.4/24

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

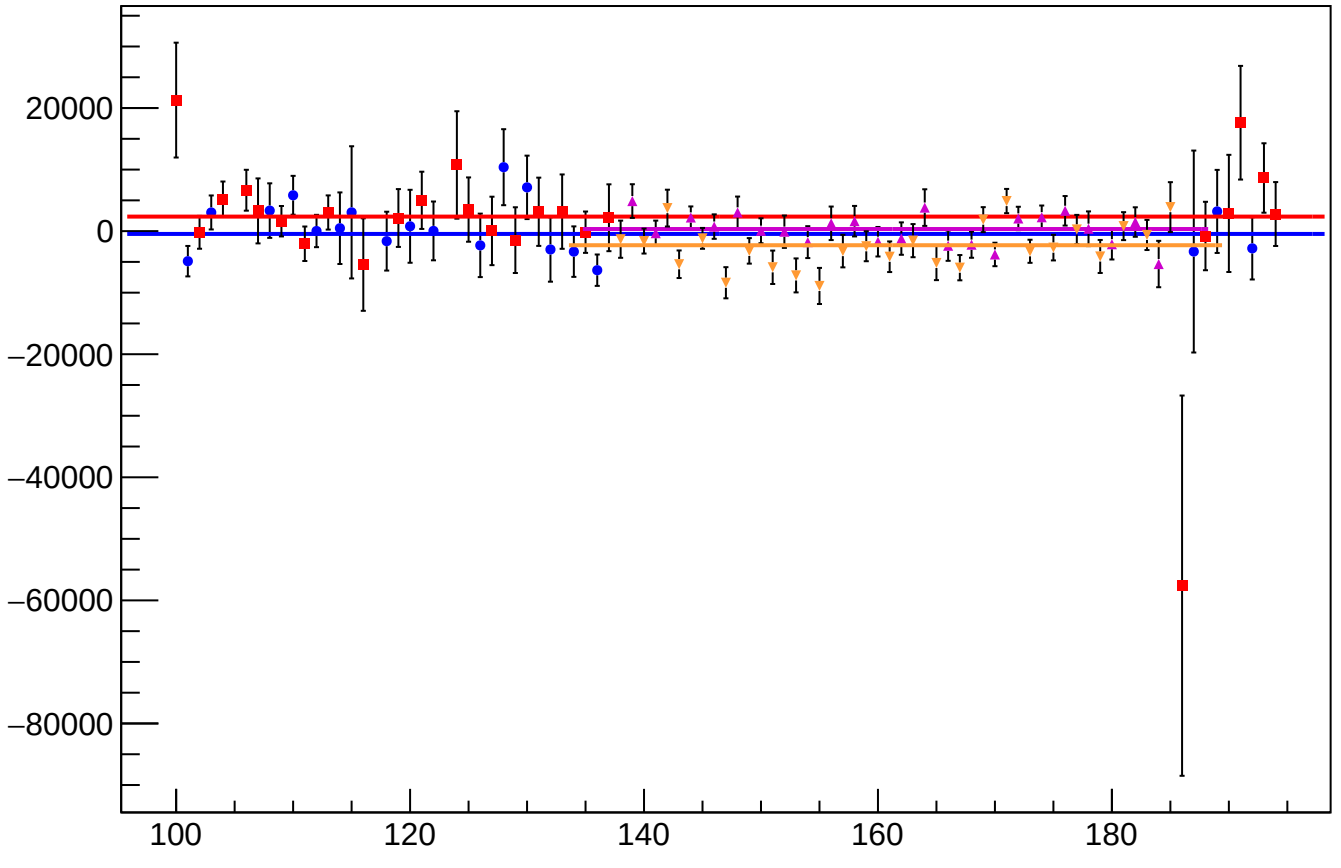
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 275.561+/-0.045 χ^2/NDF: 2742808.7/43

In: 289.301+/-0.040 χ^2/NDF:2261892.0/41

Out: 290.205+/-0.039 χ^2/NDF:3570562.2/49

All: 289.773+/-0.028 χ^2/NDF: 5832715.7/91



Right In: -456.595+/-928.119 χ^2/NDF: 21.7/18

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: 2360.760+/-858.683 χ^2/NDF: 22.1/24

Left In: 342.606+/-483.604 χ^2/NDF:22.8/22

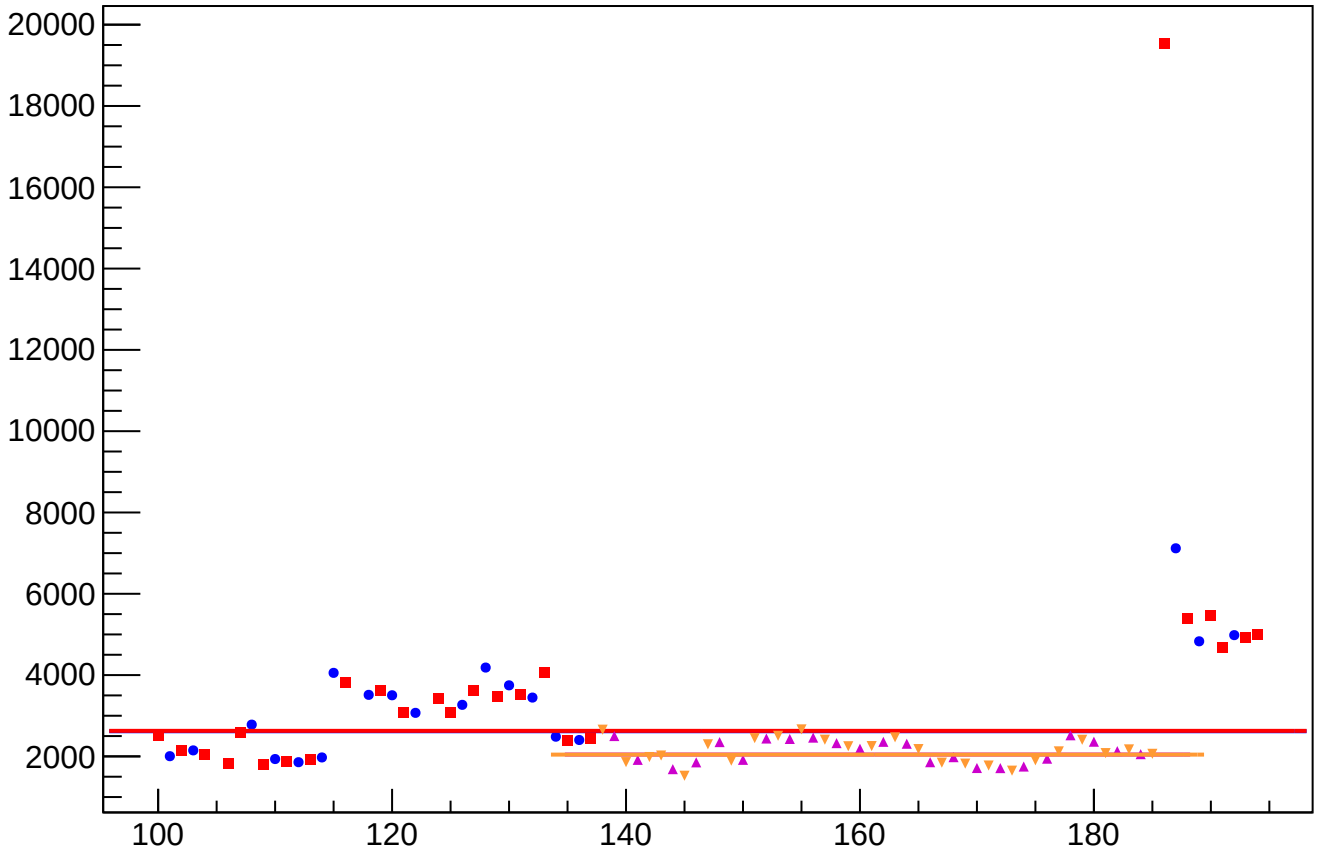
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 1061.400+/-630.300 χ^2/NDF: 48.8/43

In: 171.954+/-428.876 χ^2/NDF:45.2/41

Out: -1216.815+/-412.631 χ^2/NDF:96.4/49

All: -549.231+/-297.351 χ^2/NDF: 147.0/91



Right In: 2618.463+/-0.656 χ^2/NDF: 1763911.9/18

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2628.225+/-0.607 χ^2/NDF: 3365216.2/24

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

Left: 2044.439+/-0.238 χ^2/NDF: 1543620.9/47

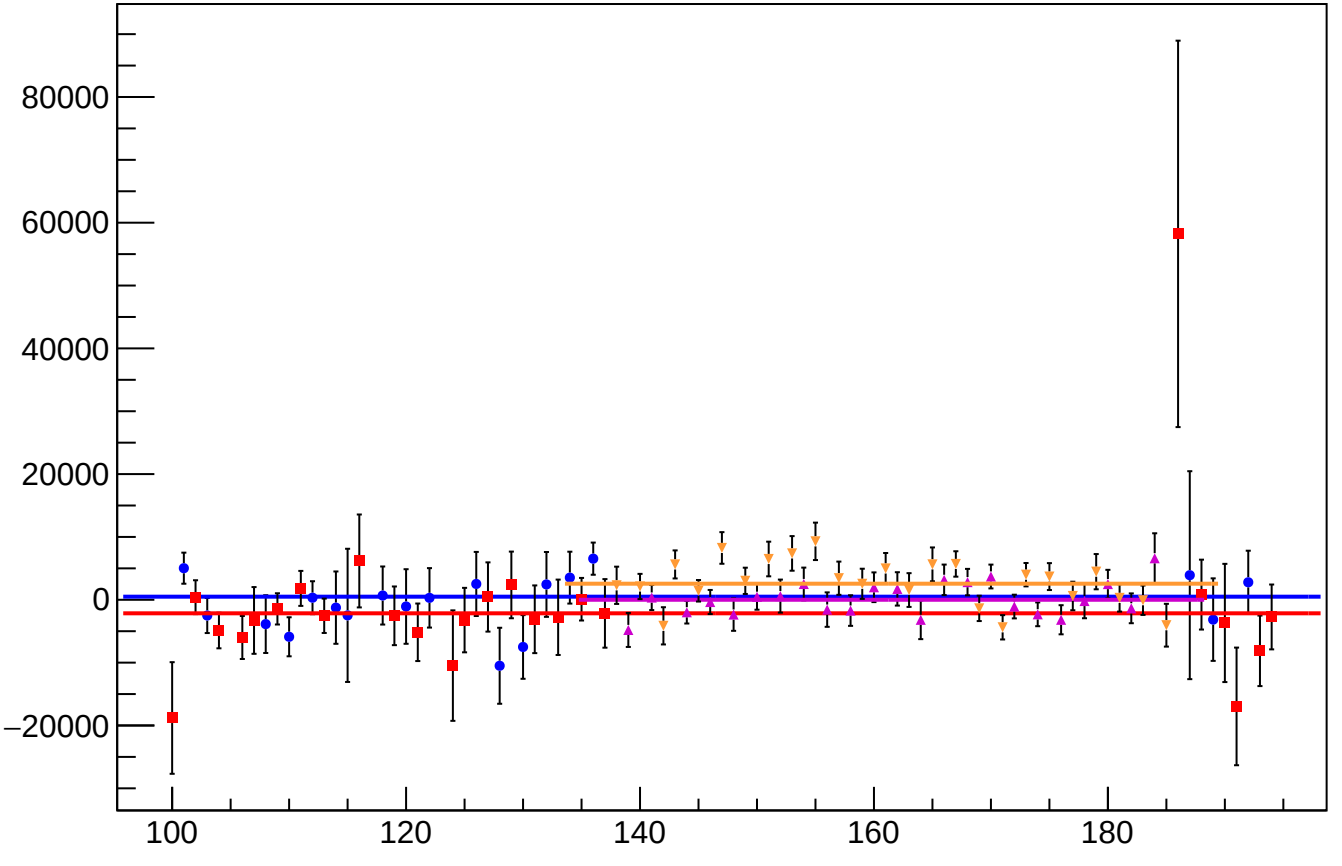
Right: 2623.723+/-0.446 χ^2/NDF: 5129247.3/43

In: 2167.589+/-0.303 χ^2/NDF:3054268.6/41

Out: 2178.710+/-0.292 χ^2/NDF:4931266.3/49

All: 2173.364+/-0.210 χ^2/NDF: 7986233.3/91

asym_sam4_mean vs Slug, Sign Corrected



Right In: 494.261+/-925.237 χ^2/NDF: 22.7/18

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: -2151.894+/-857.226 χ^2/NDF: 20.7/24

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

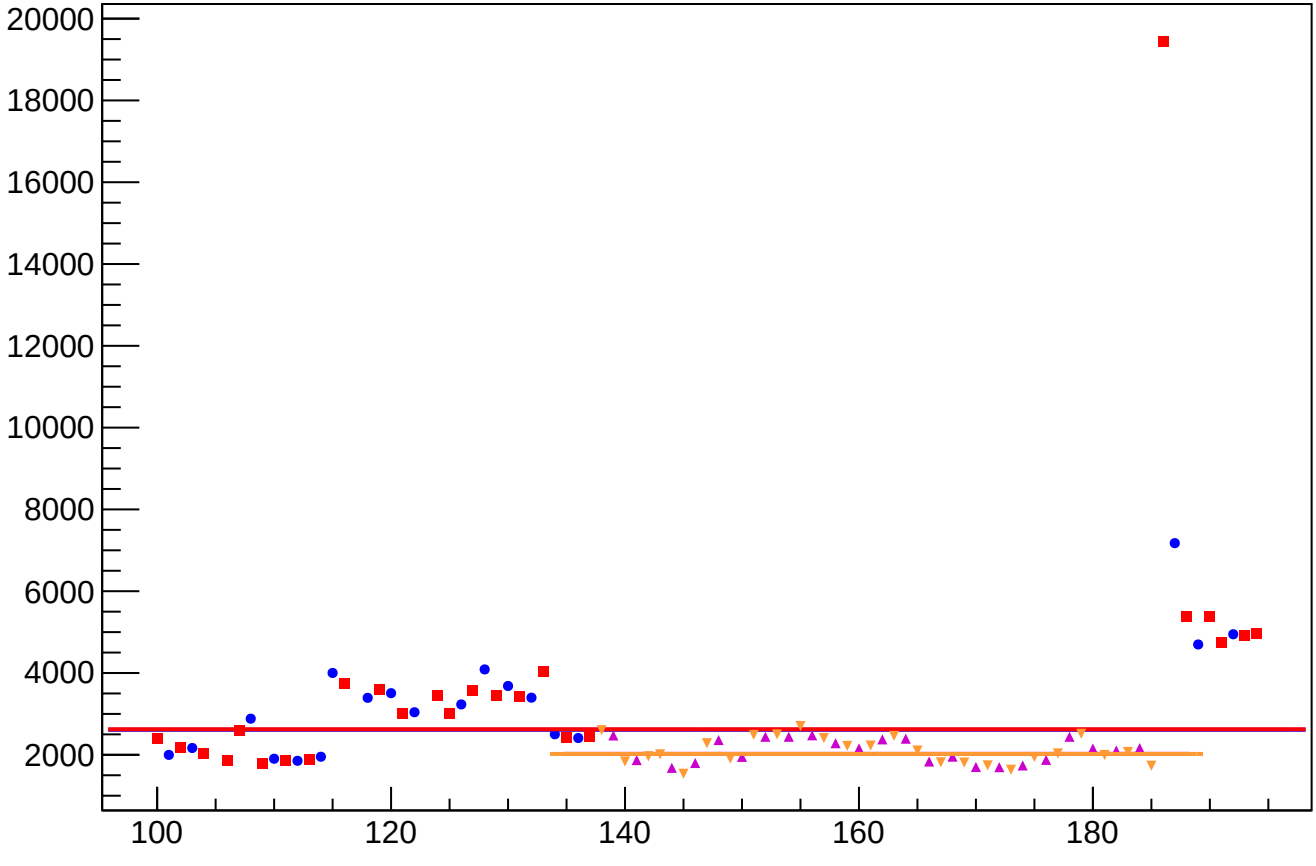
Right: -929.637+/-628.821 χ^2/NDF: 47.8/43

In: 107.045+/-425.035 χ^2/NDF:47.6/41

Out: 1484.648+/-409.378 χ^2/NDF:96.7/49

All: 821.687+/-294.854 χ^2/NDF: 149.7/91

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2612.695+/-0.654 χ^2/NDF: 1717289.0/18

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 2624.319+/-0.606 χ^2/NDF: 3319599.3/24

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

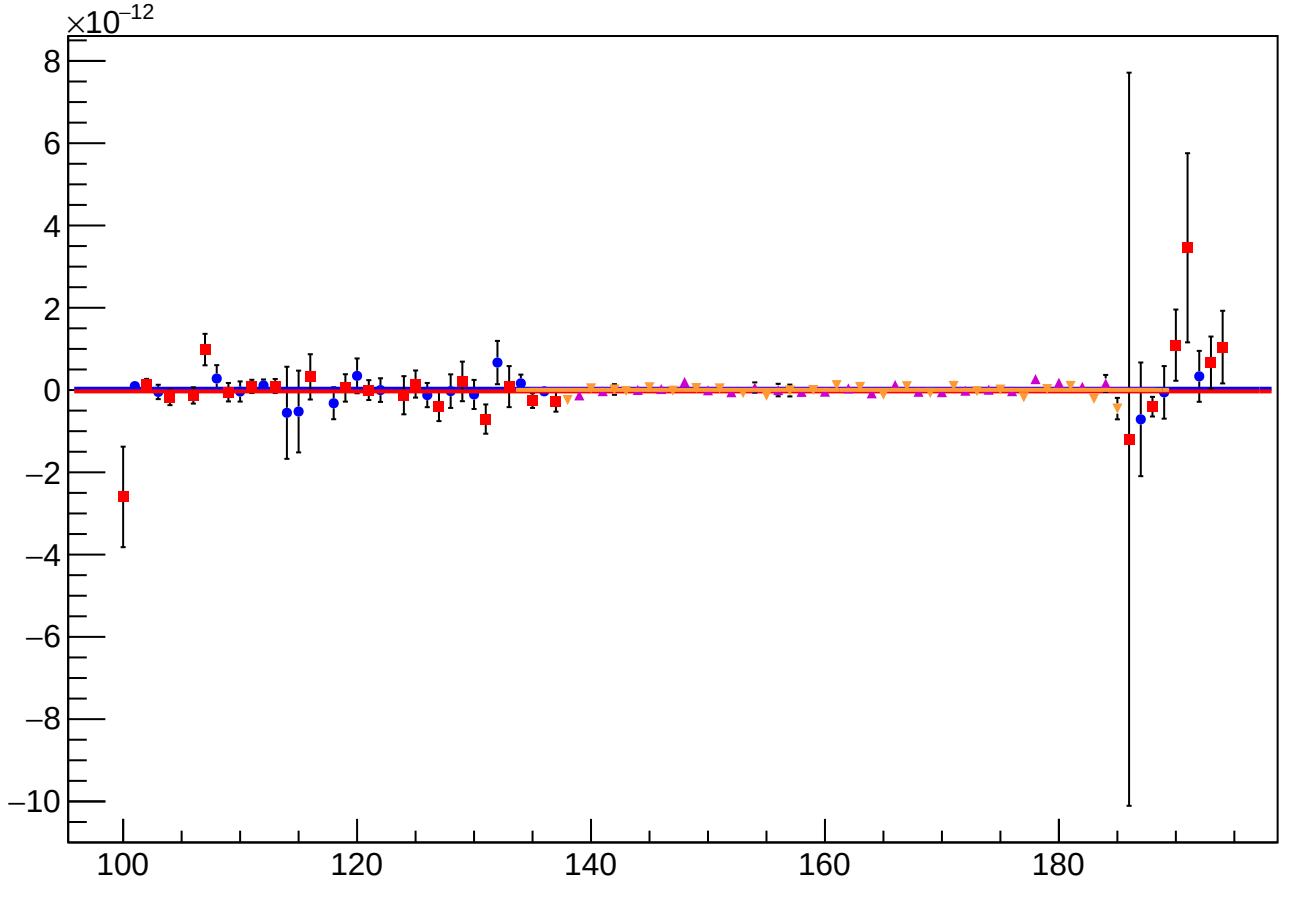
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 2618.950+/-0.445 χ^2/NDF: 5037058.2/43

In: 2147.667+/-0.301 χ^2/NDF:3053701.4/41

Out: 2158.801+/-0.289 χ^2/NDF:4965038.3/49

All: 2153.443+/-0.208 χ^2/NDF: 8019451.6/91



Right In: 0.000+/-0.000 χ^2/NDF: 6.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/24

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

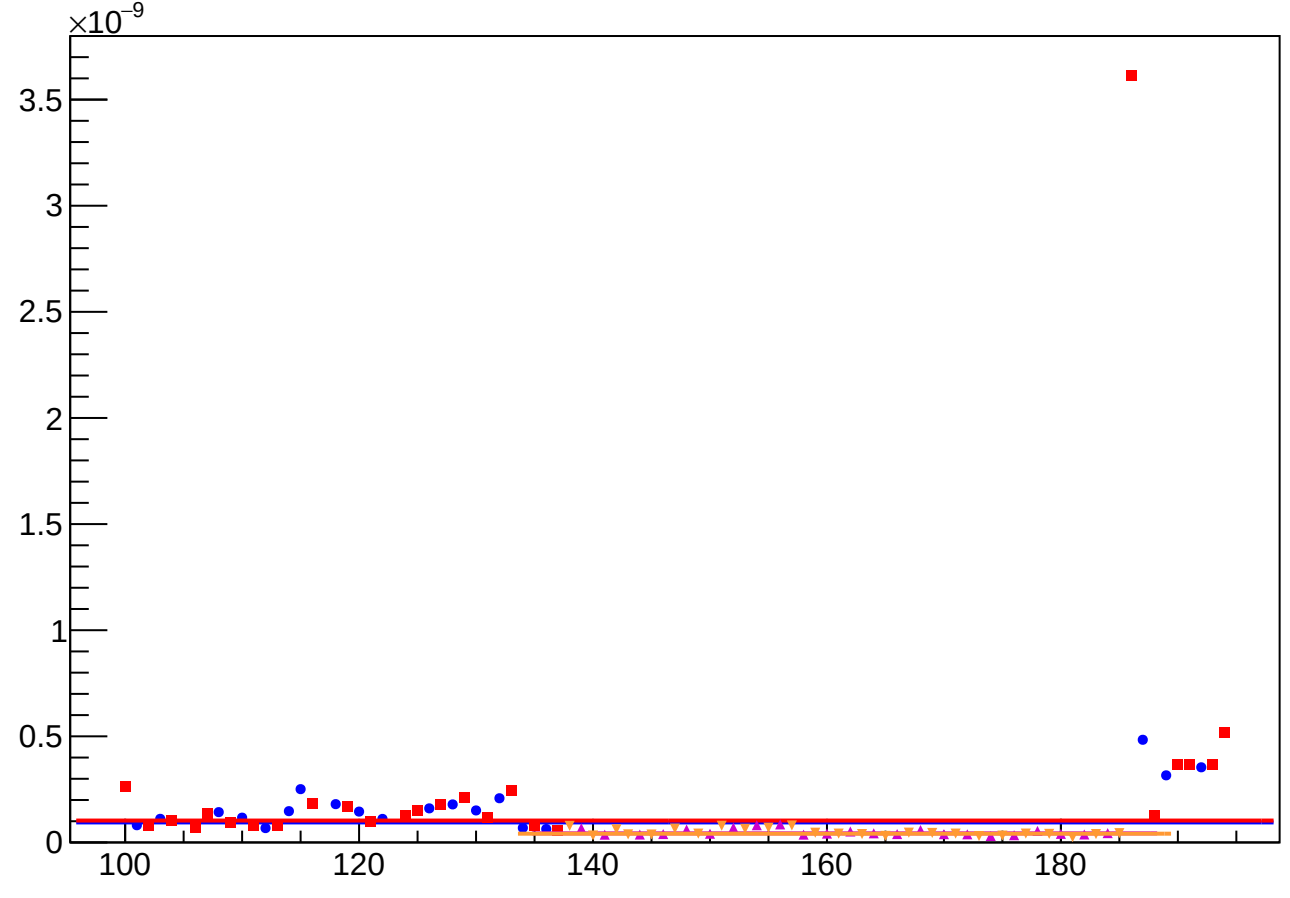
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 39.7/43

In: 0.000+/-0.000 χ^2/NDF:27.7/41

Out: 0.000+/-0.000 χ^2/NDF:64.8/49

All: 0.000+/-0.000 χ^2/NDF: 92.8/91



Right In: 0.000+/-0.000 χ^2/NDF: 1689727.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2195083.6/24

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

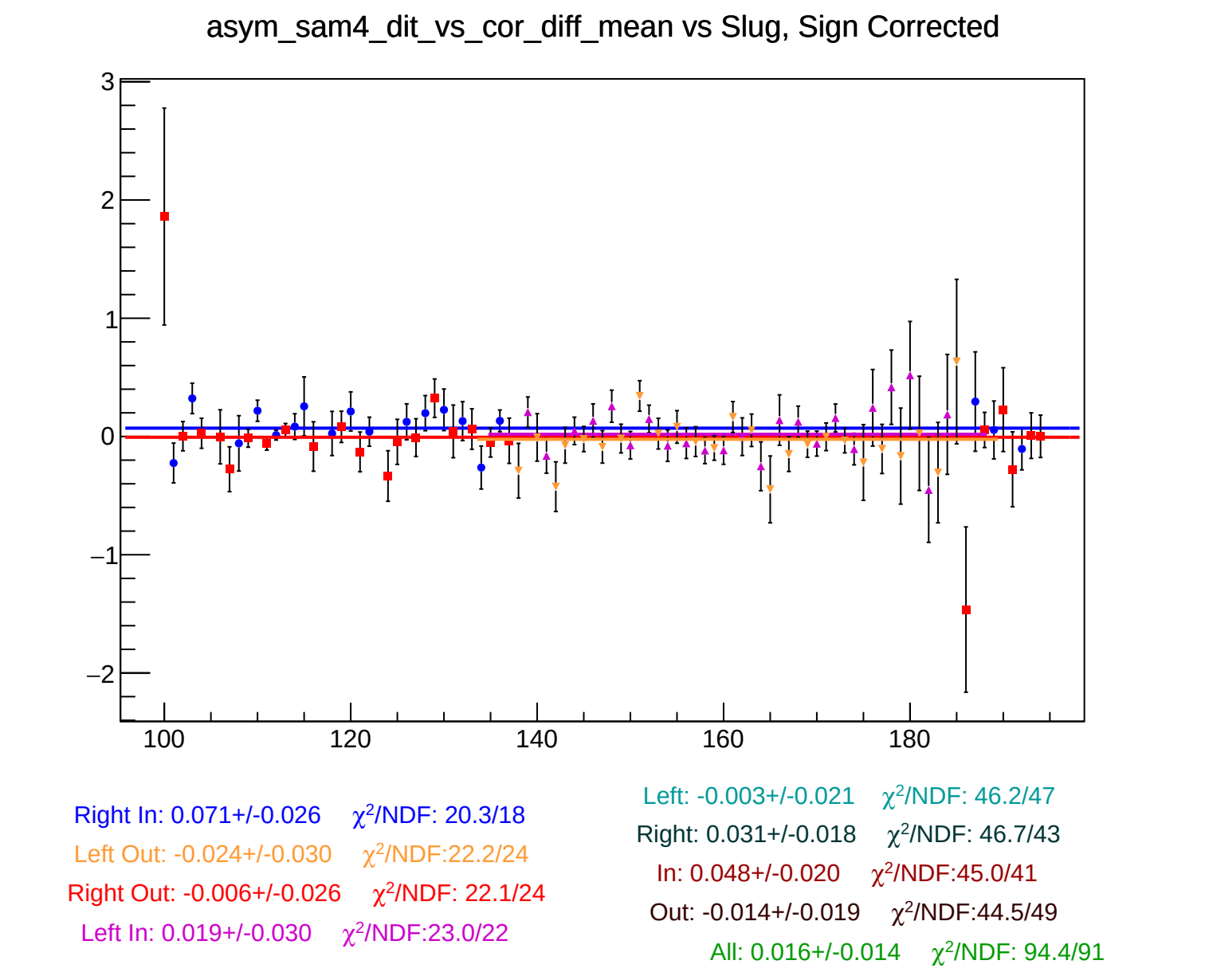
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 3912487.0/43

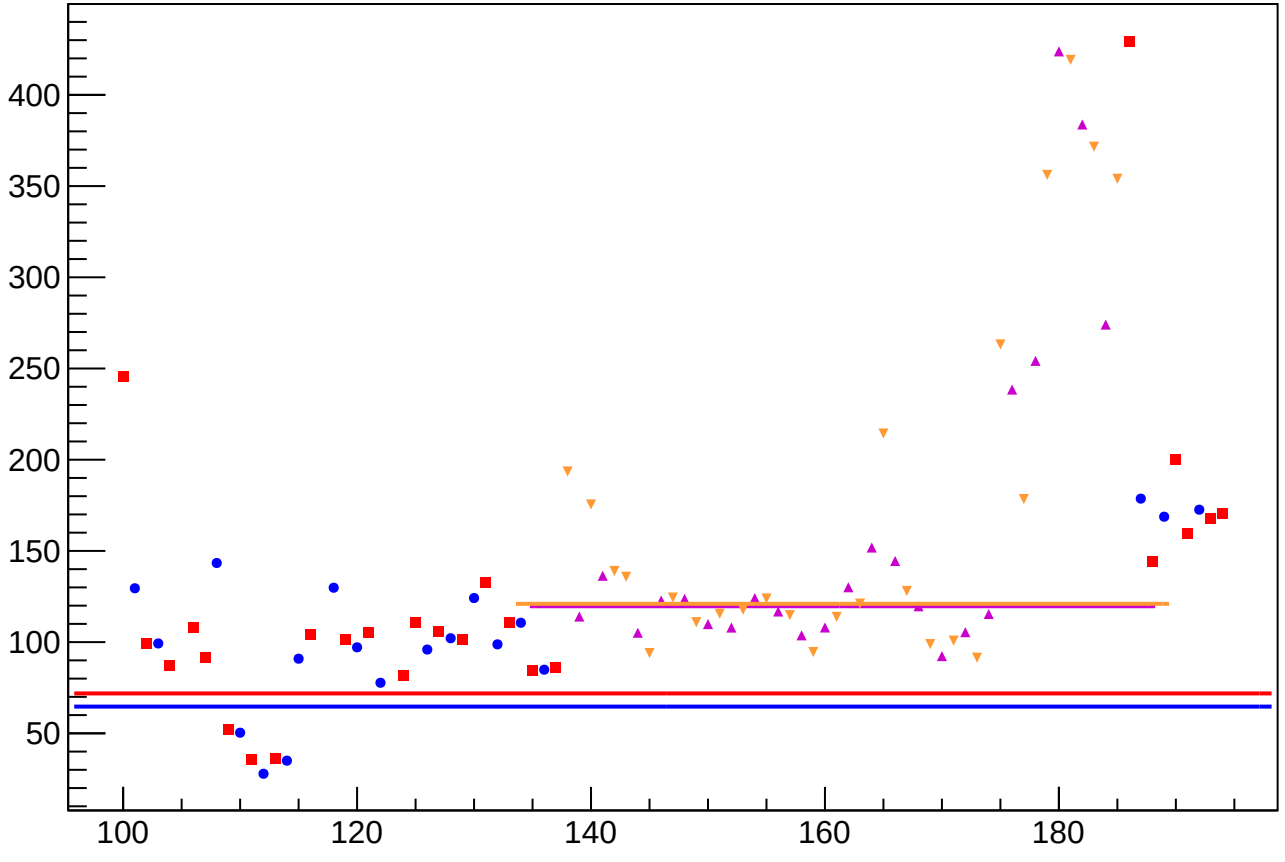
In: 0.000+/-0.000 χ^2/NDF:4383201.5/41

Out: 0.000+/-0.000 χ^2/NDF:5848225.9/49

All: 0.000+/-0.000 χ^2/NDF: 10242242.4/91


asym_sam4_dit_vs_cor_diff_mean vs Slug, Sign Corrected
3
2
1
0
−1
−2
100
120
140
160
180
Right In: 0.071+/-0.026 χ²/NDF: 20.3/18
Left Out: -0.024+/-0.030 χ²/NDF:22.2/24
Right Out: -0.006+/-0.026 χ²/NDF: 22.1/24
Left In: 0.019+/-0.030 χ²/NDF:23.0/22
Left: -0.003+/-0.021 χ²/NDF: 46.2/47
Right: 0.031+/-0.018 χ²/NDF: 46.7/43
In: 0.048+/-0.020 χ²/NDF:45.0/41
Out: -0.014+/-0.019 χ²/NDF:44.5/49
All: 0.016+/-0.014 χ²/NDF: 94.4/91

asym_sam4_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 64.659+/-0.019 χ^2/NDF: 4842009.4/18

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 71.879+/-0.018 χ^2/NDF: 5361921.8/24

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

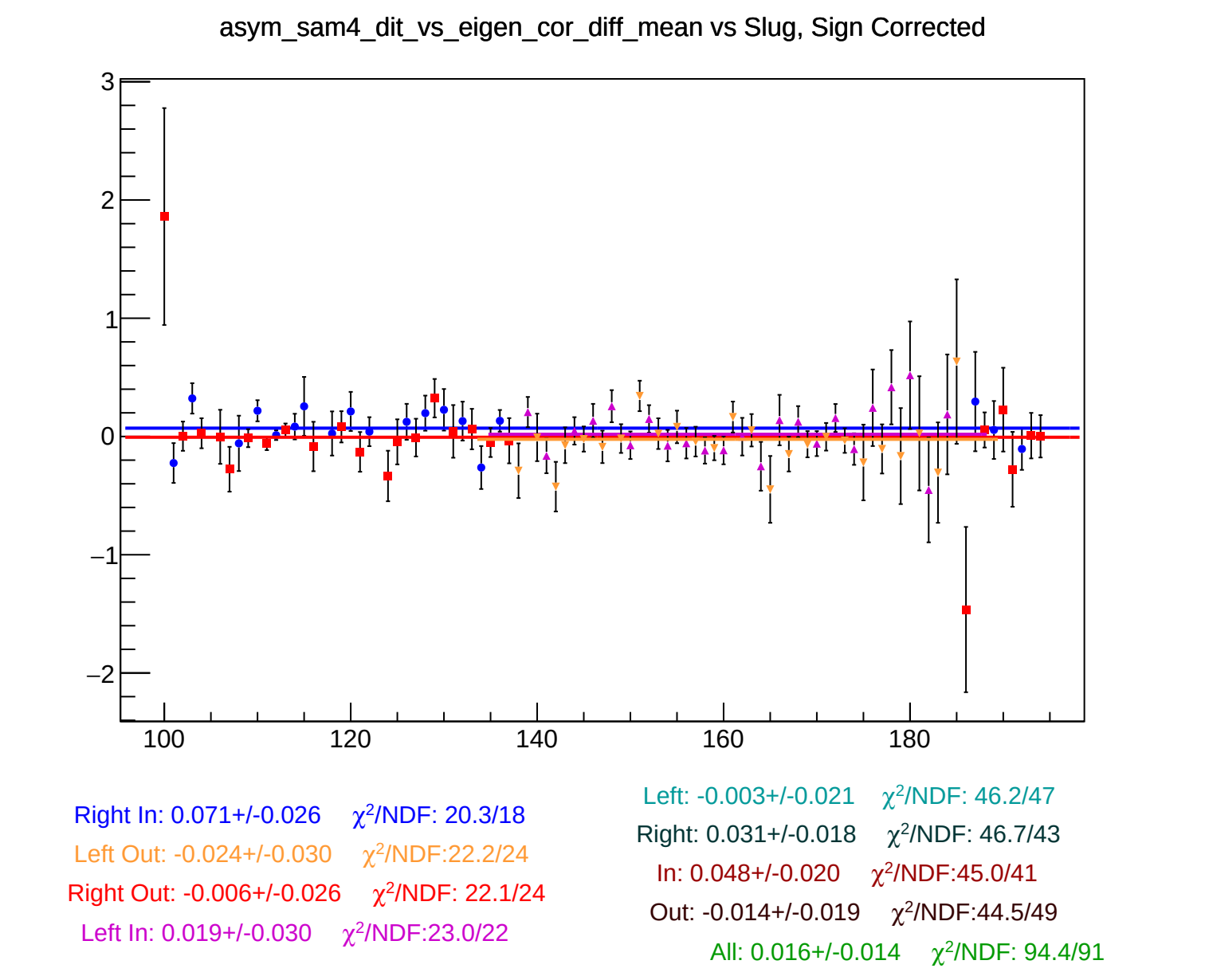
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 68.377+/-0.013 χ^2/NDF: 10280438.1/43

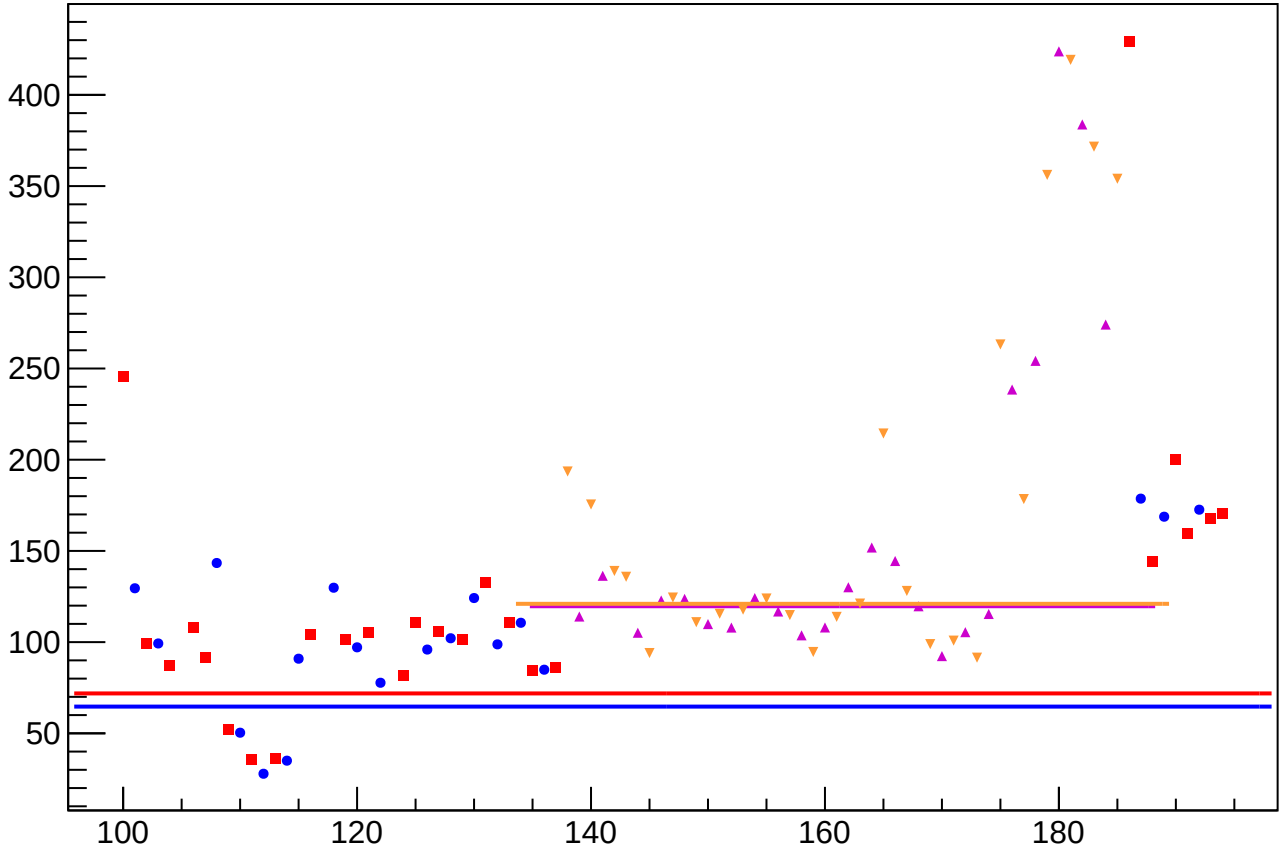
In: 88.563+/-0.014 χ^2/NDF:11428276.3/41

Out: 92.759+/-0.014 χ^2/NDF:12559743.0/49

All: 90.707+/-0.010 χ^2/NDF: 24033345.0/91


asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
3
2
1
0
−1
−2
100
120
140
160
180
Right In: 0.071+/-0.026 χ²/NDF: 20.3/18
Left Out: -0.024+/-0.030 χ²/NDF:22.2/24
Right Out: -0.006+/-0.026 χ²/NDF: 22.1/24
Left In: 0.019+/-0.030 χ²/NDF:23.0/22
Left: -0.003+/-0.021 χ²/NDF: 46.2/47
Right: 0.031+/-0.018 χ²/NDF: 46.7/43
In: 0.048+/-0.020 χ²/NDF:45.0/41
Out: -0.014+/-0.019 χ²/NDF:44.5/49
All: 0.016+/-0.014 χ²/NDF: 94.4/91

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 64.659+/-0.019 χ^2/NDF: 4842009.4/18

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 71.879+/-0.018 χ^2/NDF: 5361921.8/24

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

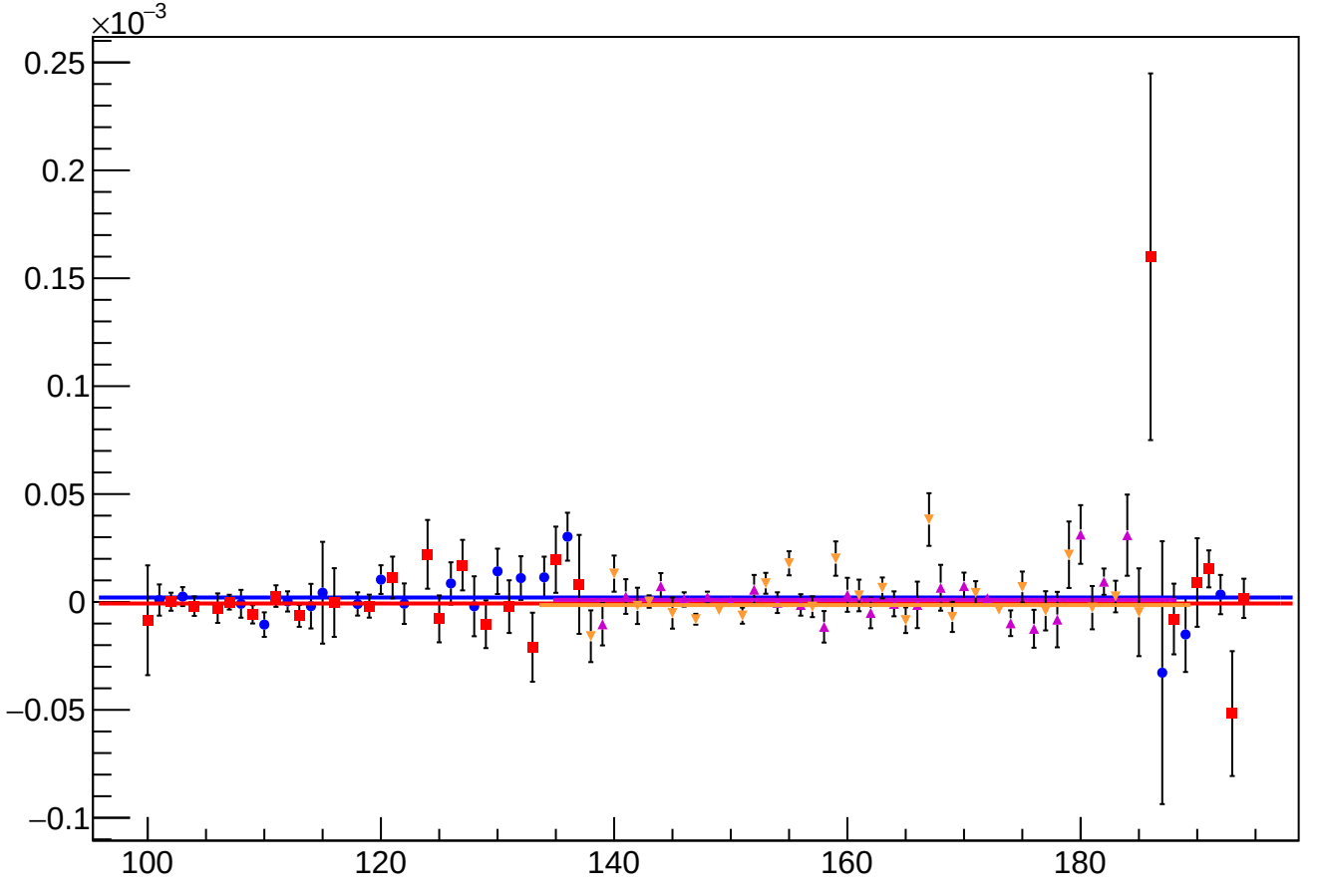
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 68.377+/-0.013 χ^2/NDF: 10280438.1/43

In: 88.563+/-0.014 χ^2/NDF:11428276.3/41

Out: 92.759+/-0.014 χ^2/NDF:12559743.0/49

All: 90.707+/-0.010 χ^2/NDF: 24033345.0/91



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.9/24

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

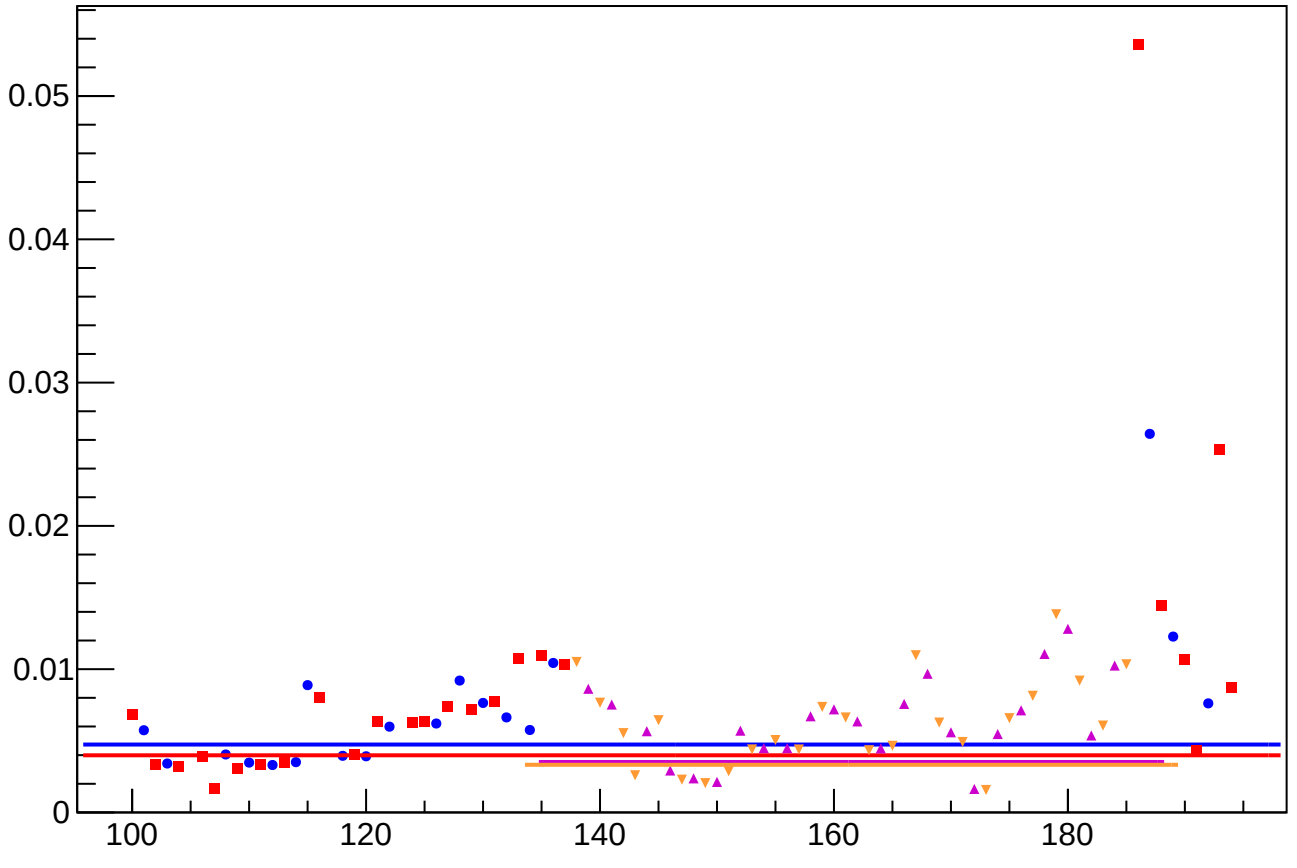
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: 0.000+/-0.000 χ^2/NDF: 45.1/43

In: 0.000+/-0.000 χ^2/NDF:43.5/41

Out: -0.000+/-0.000 χ^2/NDF:85.5/49

All: -0.000+/-0.000 χ^2/NDF: 133.7/91



Right In: 0.005+/-0.000 χ^2/NDF: 2577918.5/18

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 6374364.3/24

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

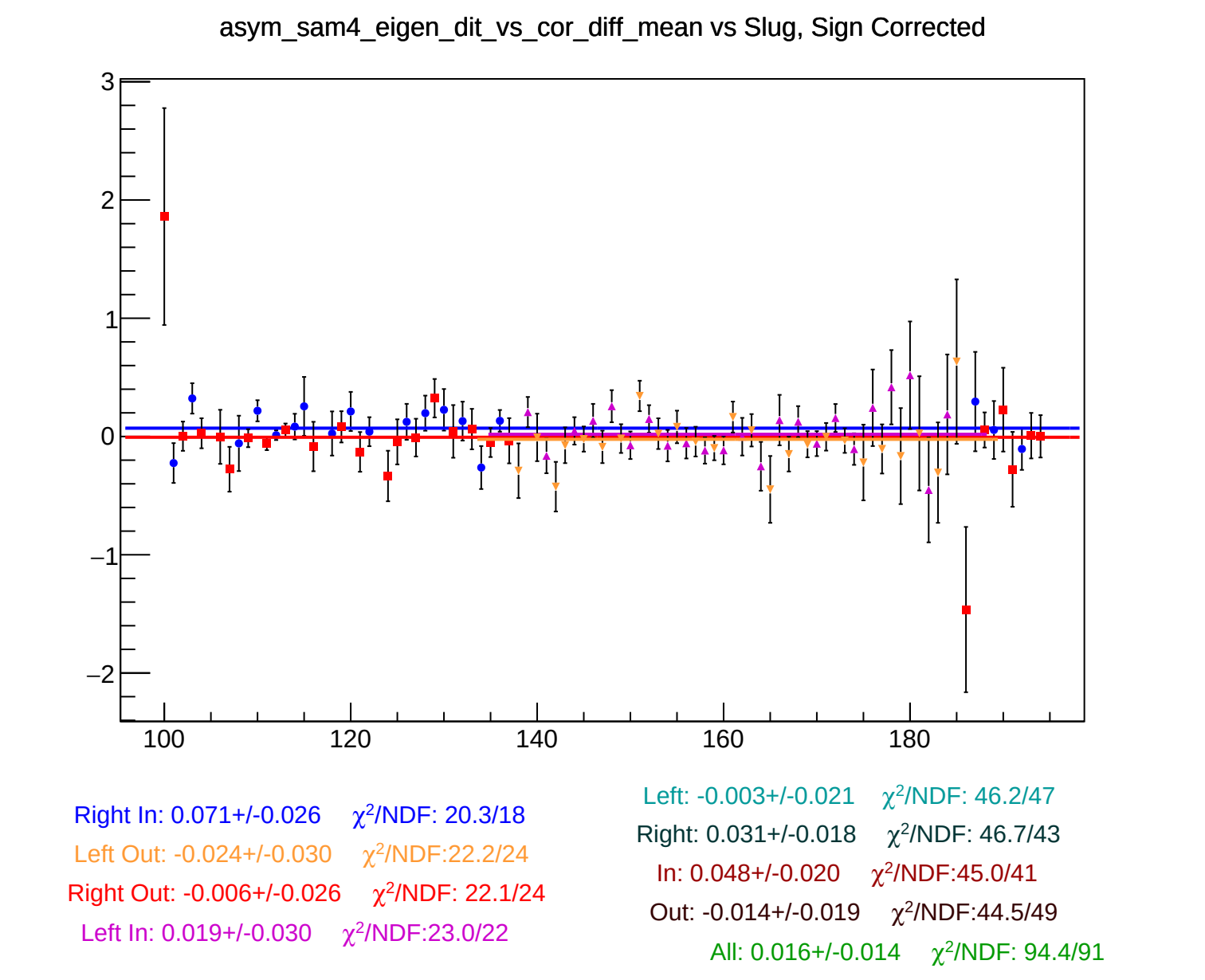
Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

Right: 0.004+/-0.000 χ^2/NDF: 9168034.9/43

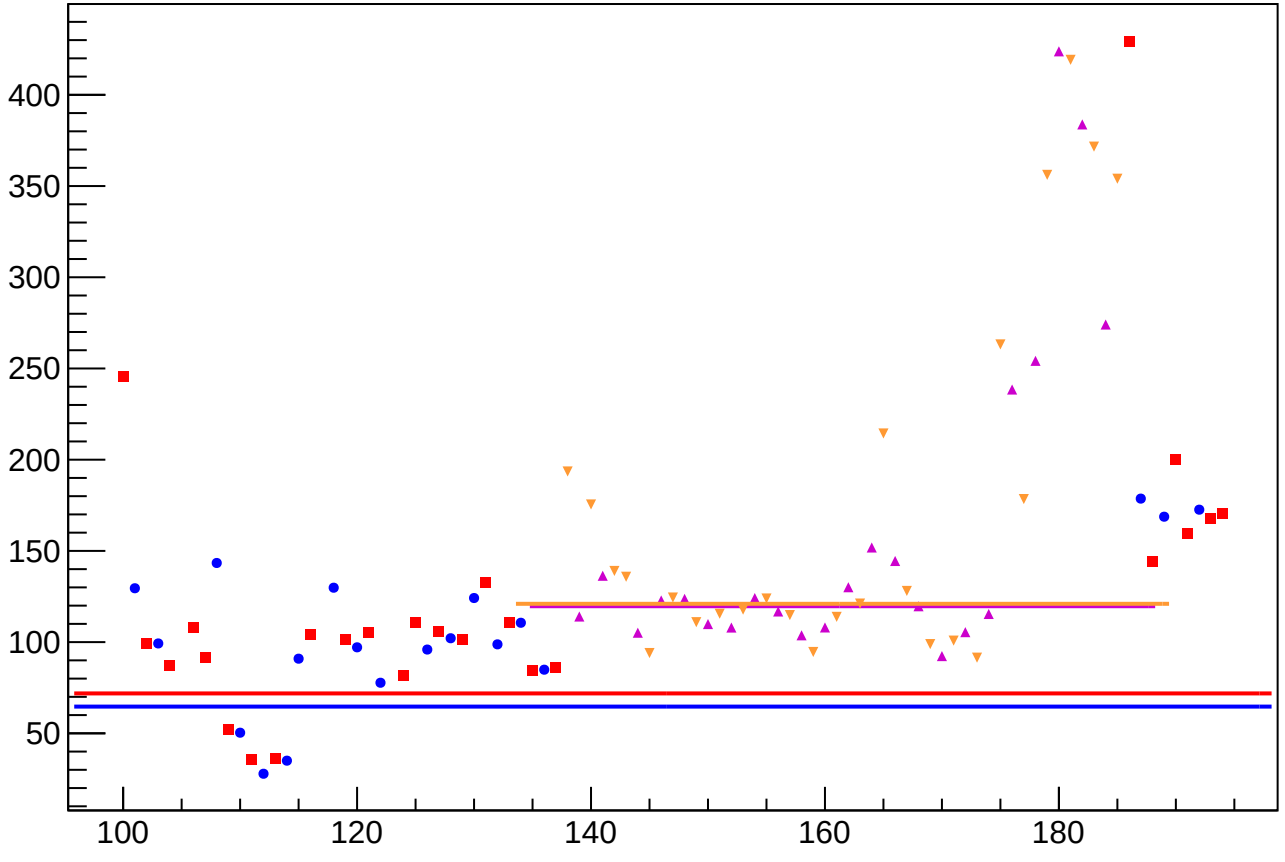
In: 0.004+/-0.000 χ^2/NDF:12727631.8/41

Out: 0.004+/-0.000 χ^2/NDF:17162378.6/49

All: 0.004+/-0.000 χ^2/NDF: 30024968.5/91


asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
3
2
1
0
−1
−2
100
120
140
160
180
Right In: 0.071+/-0.026 χ²/NDF: 20.3/18
Left Out: -0.024+/-0.030 χ²/NDF:22.2/24
Right Out: -0.006+/-0.026 χ²/NDF: 22.1/24
Left In: 0.019+/-0.030 χ²/NDF:23.0/22
Left: -0.003+/-0.021 χ²/NDF: 46.2/47
Right: 0.031+/-0.018 χ²/NDF: 46.7/43
In: 0.048+/-0.020 χ²/NDF:45.0/41
Out: -0.014+/-0.019 χ²/NDF:44.5/49
All: 0.016+/-0.014 χ²/NDF: 94.4/91

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 64.657+/-0.019 χ^2/NDF: 4842297.1/18

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 71.877+/-0.018 χ^2/NDF: 5362268.8/24

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

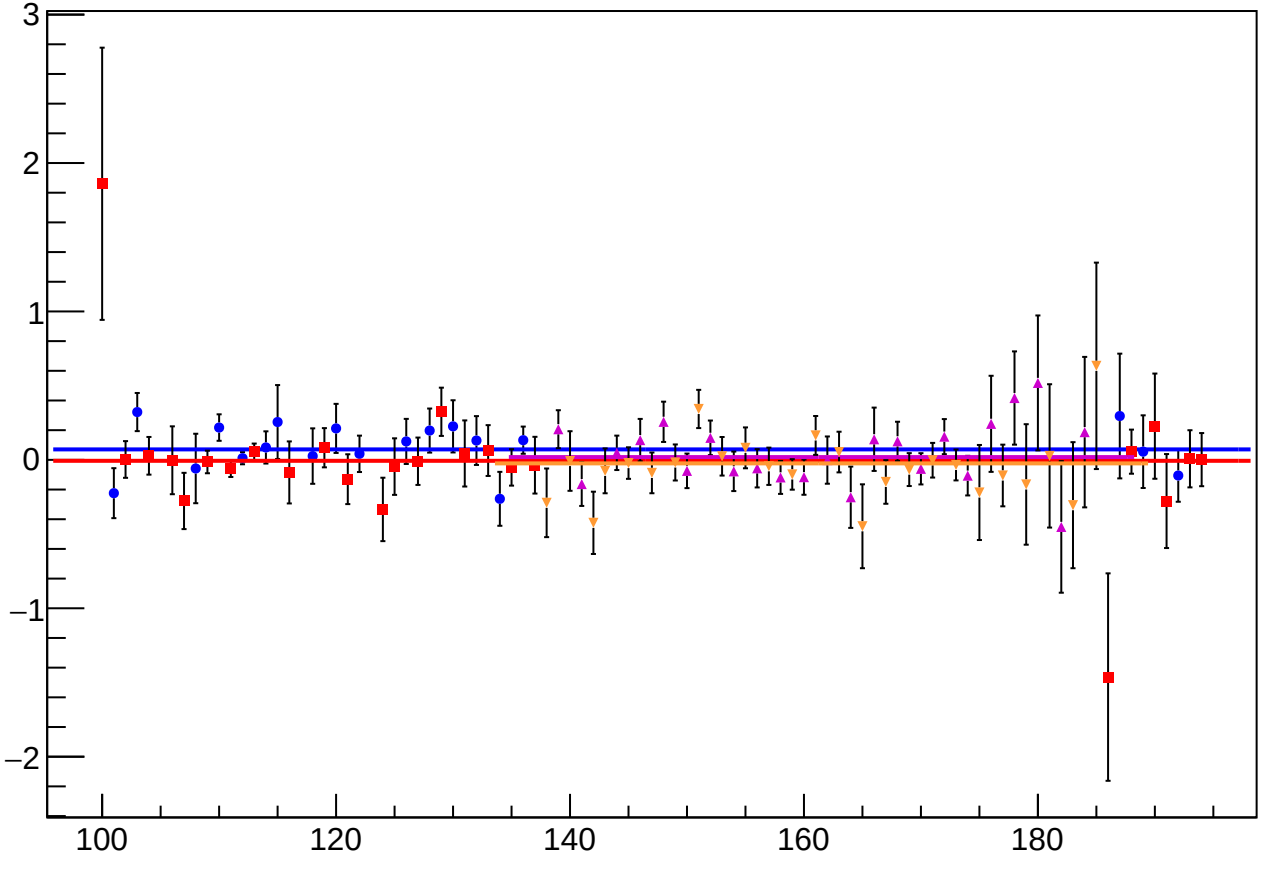
Right: 68.375+/-0.013 χ^2/NDF: 10281081.1/43

In: 88.561+/-0.014 χ^2/NDF:11428964.8/41

Out: 92.758+/-0.014 χ^2/NDF:12560414.7/49

All: 90.705+/-0.010 χ^2/NDF: 24034713.6/91

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.071+/-0.026 χ^2/NDF: 20.3/18

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.006+/-0.026 χ^2/NDF: 22.1/24

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

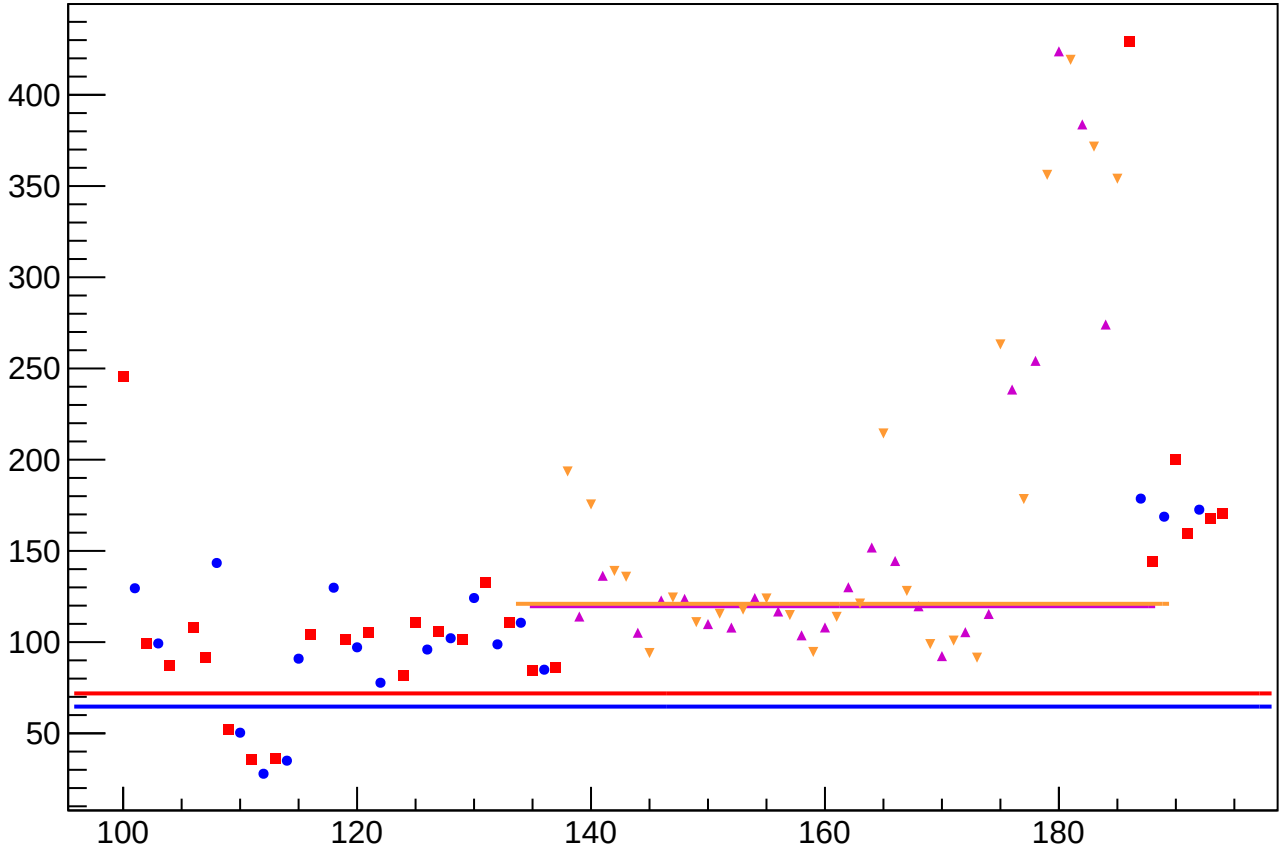
Right: 0.031+/-0.018 χ^2/NDF: 46.7/43

In: 0.048+/-0.020 χ^2/NDF:45.0/41

Out: -0.014+/-0.019 χ^2/NDF:44.5/49

All: 0.016+/-0.014 χ^2/NDF: 94.4/91

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 64.657+/-0.019 χ^2/NDF: 4842297.1/18

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 71.877+/-0.018 χ^2/NDF: 5362268.8/24

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

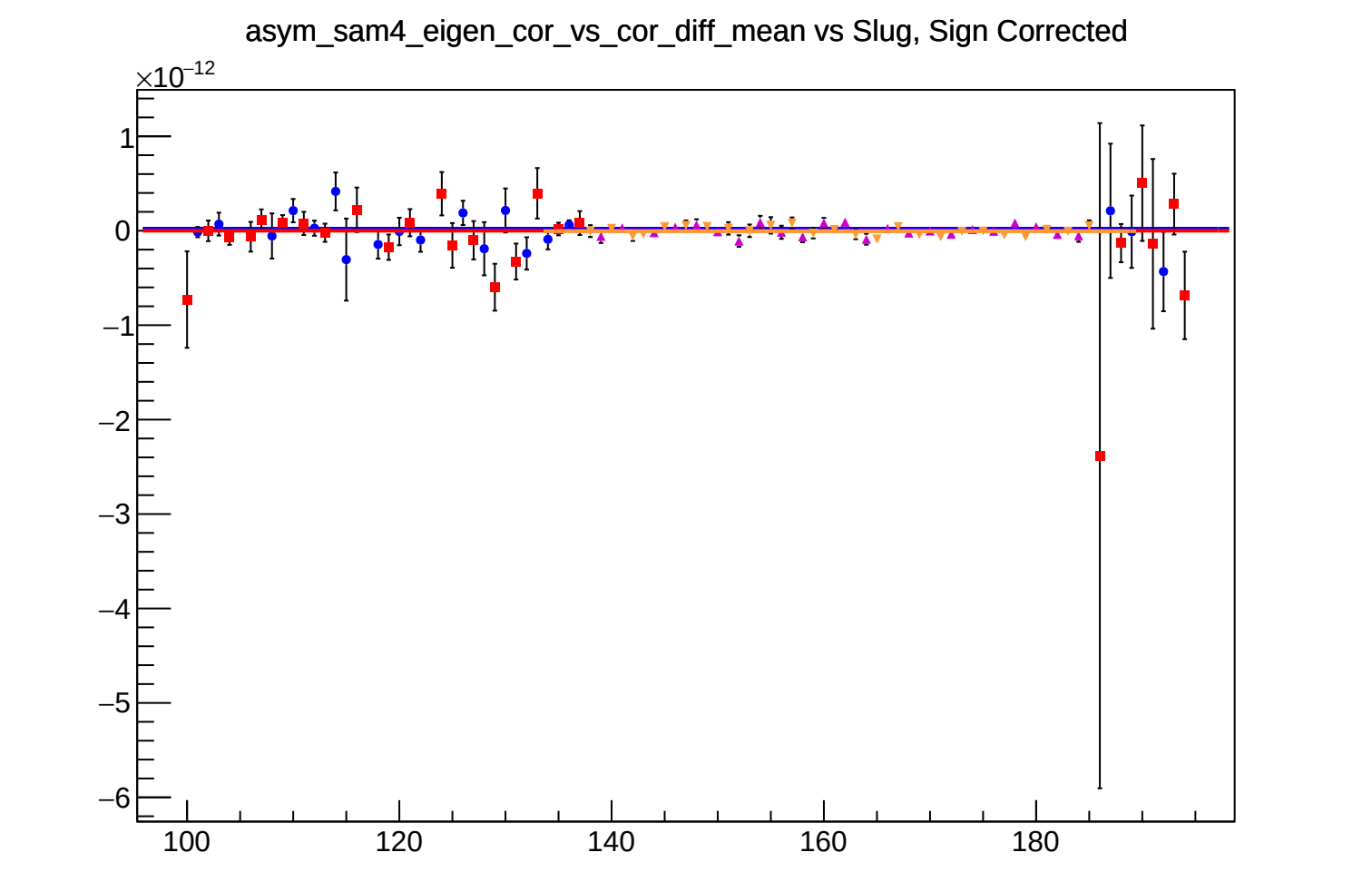
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 68.375+/-0.013 χ^2/NDF: 10281081.1/43

In: 88.561+/-0.014 χ^2/NDF:11428964.8/41

Out: 92.758+/-0.014 χ^2/NDF:12560414.7/49

All: 90.705+/-0.010 χ^2/NDF: 24034713.6/91



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/24

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

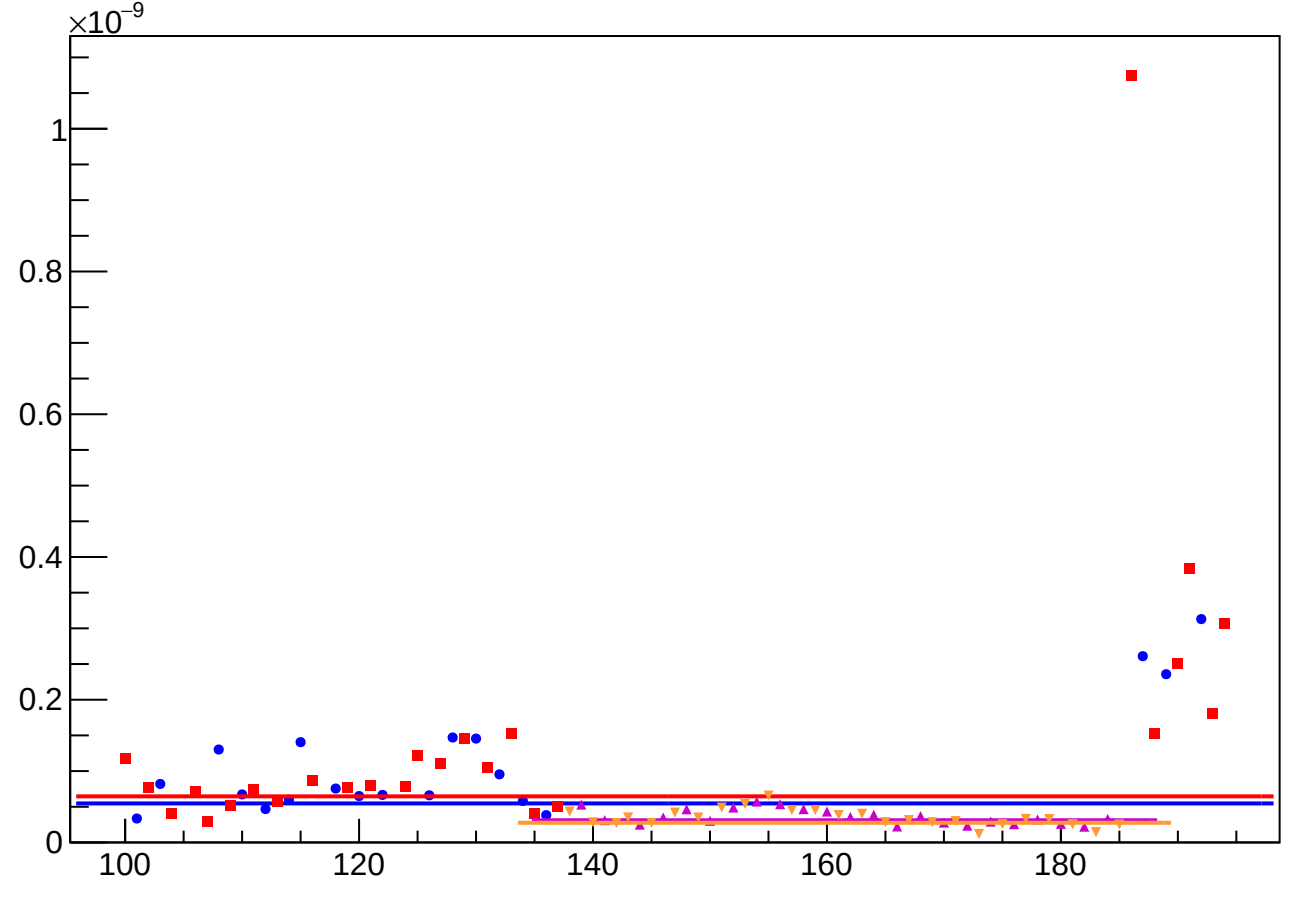
Left: -0.000+/-0.000 χ^2/NDF: 50.3/47

Right: 0.000+/-0.000 χ^2/NDF: 46.1/43

In: 0.000+/-0.000 χ^2/NDF:46.1/41

Out: -0.000+/-0.000 χ^2/NDF:50.0/49

All: -0.000+/-0.000 χ^2/NDF: 96.9/91



Right In: 0.000+/-0.000 χ^2/NDF: 3032597.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3375342.3/24

Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

Left: 0.000+/-0.000 χ^2/NDF: 5803061.5/47

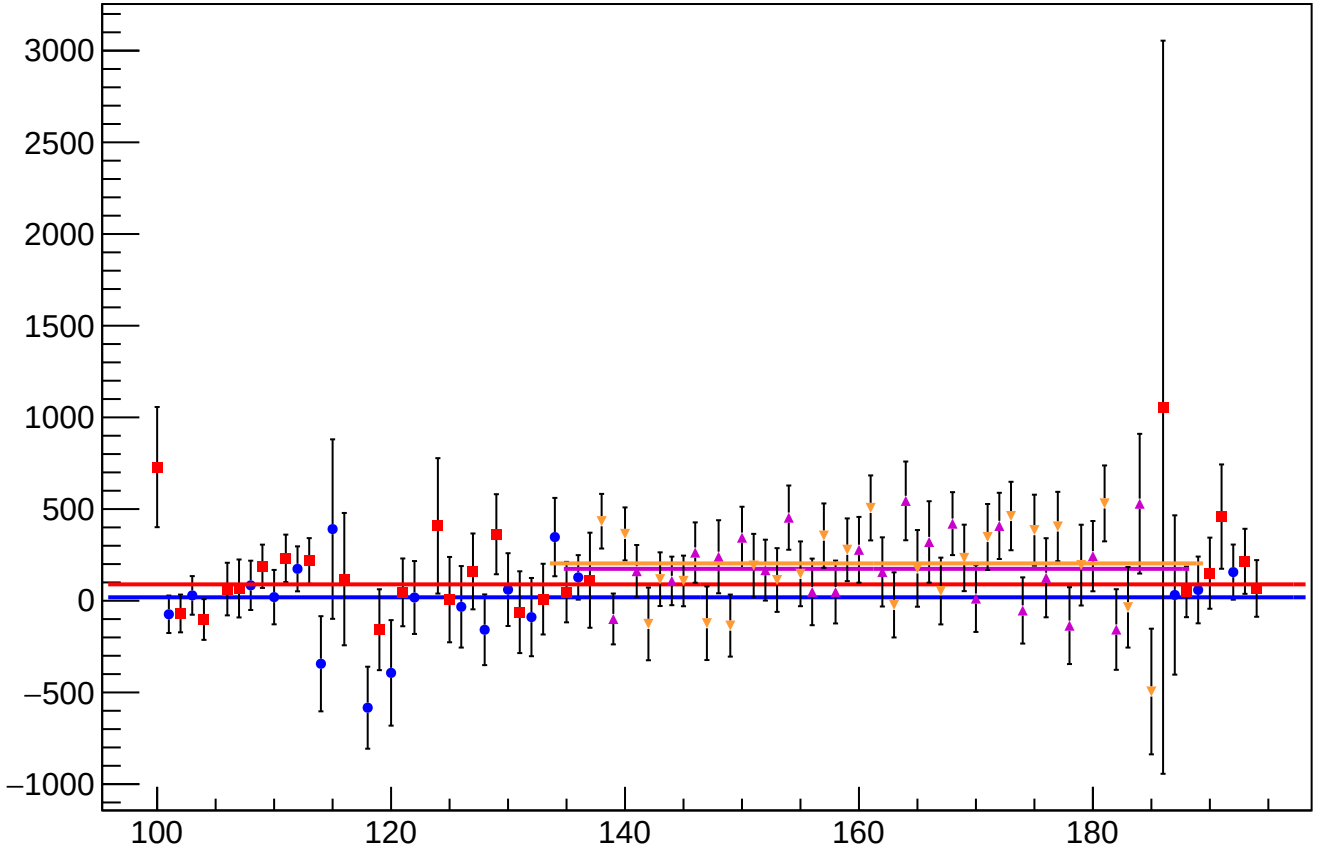
Right: 0.000+/-0.000 χ^2/NDF: 6540445.9/43

In: 0.000+/-0.000 χ^2/NDF:6433619.9/41

Out: 0.000+/-0.000 χ^2/NDF:10217616.4/49

All: 0.000+/-0.000 χ^2/NDF: 16811321.7/91

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 18.806+/-37.962 χ^2/NDF: 19.8/18

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: 89.403+/-34.068 χ^2/NDF: 19.4/24

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

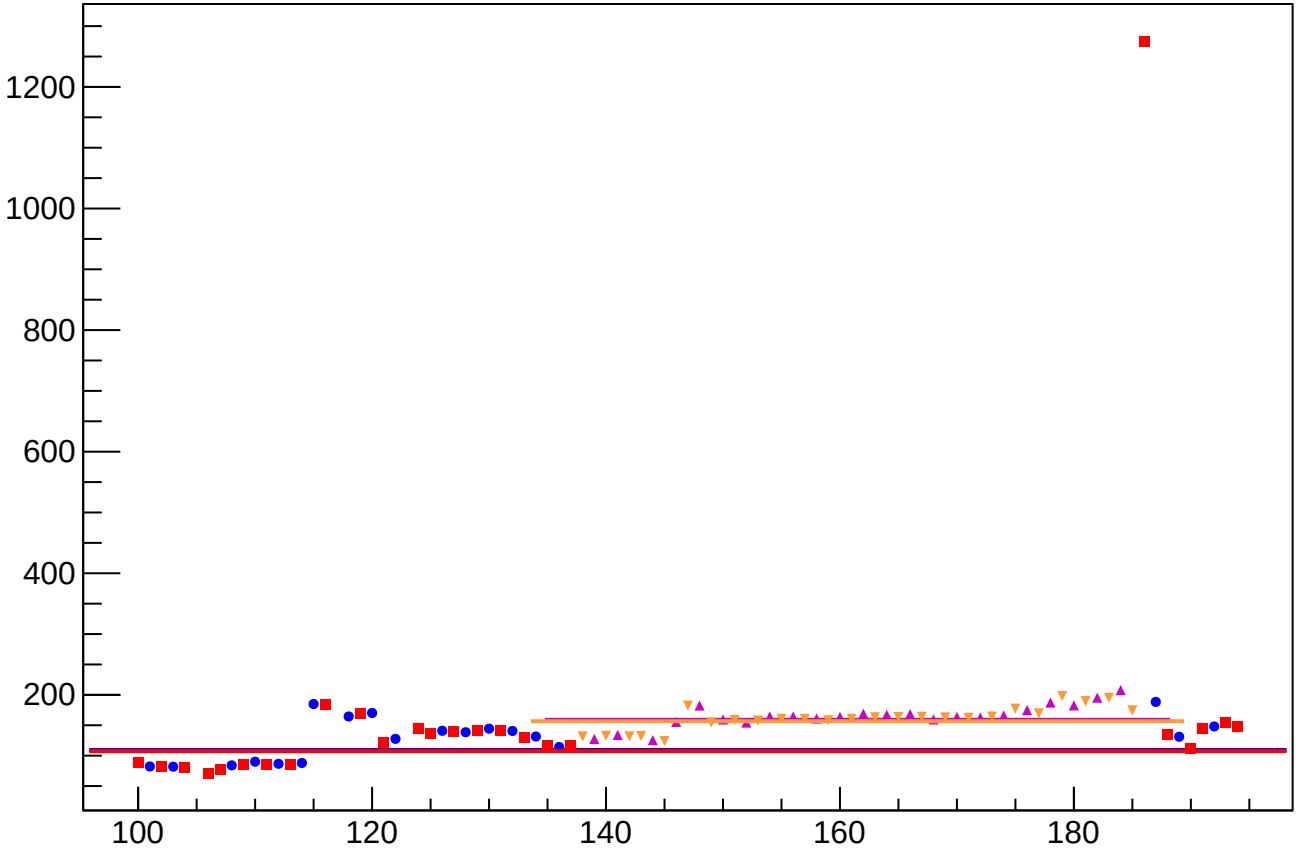
Right: 57.910+/-25.355 χ^2/NDF: 41.1/43

In: 97.536+/-26.644 χ^2/NDF:52.7/41

Out: 143.625+/-24.705 χ^2/NDF:57.6/49

All: 122.319+/-18.116 χ^2/NDF: 112.0/91

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 109.398+/-0.027 χ^2/NDF: 1183568.5/18

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 107.424+/-0.024 χ^2/NDF: 2203898.0/24

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

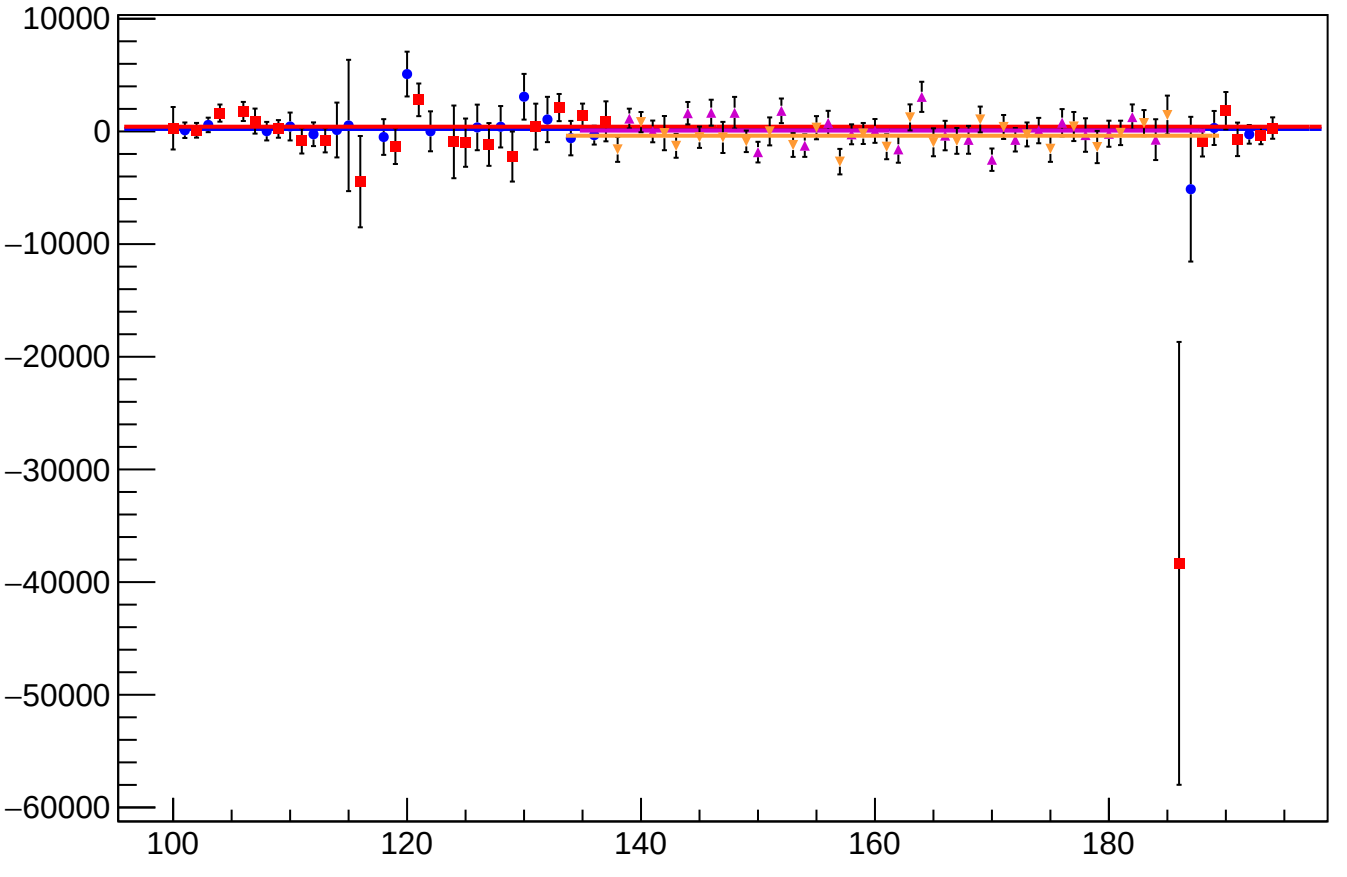
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 108.305+/-0.018 χ^2/NDF: 3390461.3/43

In: 134.541+/-0.019 χ^2/NDF:3423985.5/41

Out: 130.759+/-0.017 χ^2/NDF:4765172.6/49

All: 132.507+/-0.013 χ^2/NDF: 8210829.2/91



Right In: 218.902+/-271.812 χ^2/NDF: 10.8/18

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: 419.896+/-236.827 χ^2/NDF: 26.3/24

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

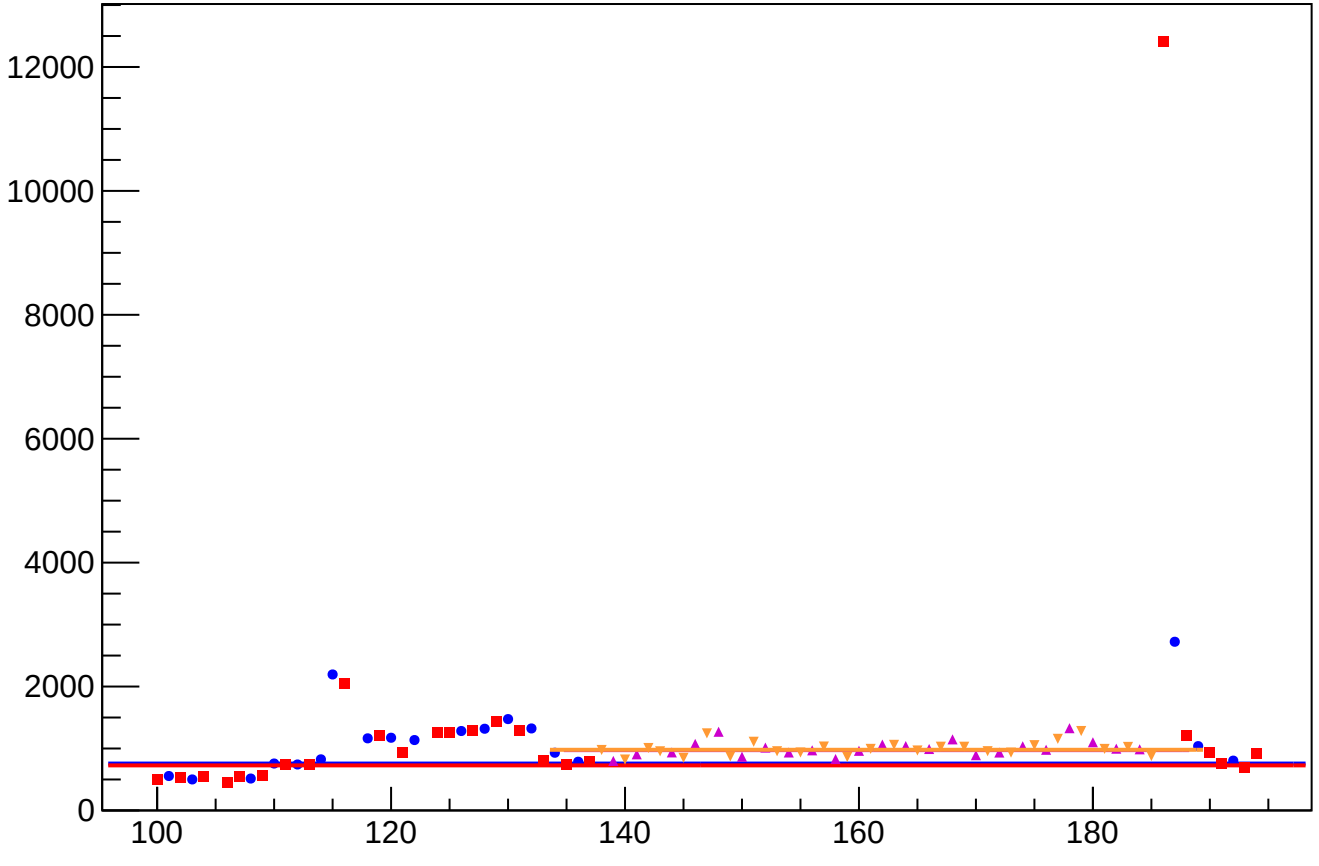
Right: 333.159+/-178.558 χ^2/NDF: 37.4/43

In: 134.652+/-175.483 χ^2/NDF:44.0/41

Out: -1.678+/-162.950 χ^2/NDF:51.1/49

All: 61.445+/-119.408 χ^2/NDF: 95.4/91

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 756.786+/-0.192 χ^2/NDF: 2117905.8/18

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 727.562+/-0.167 χ^2/NDF: 2970541.9/24

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

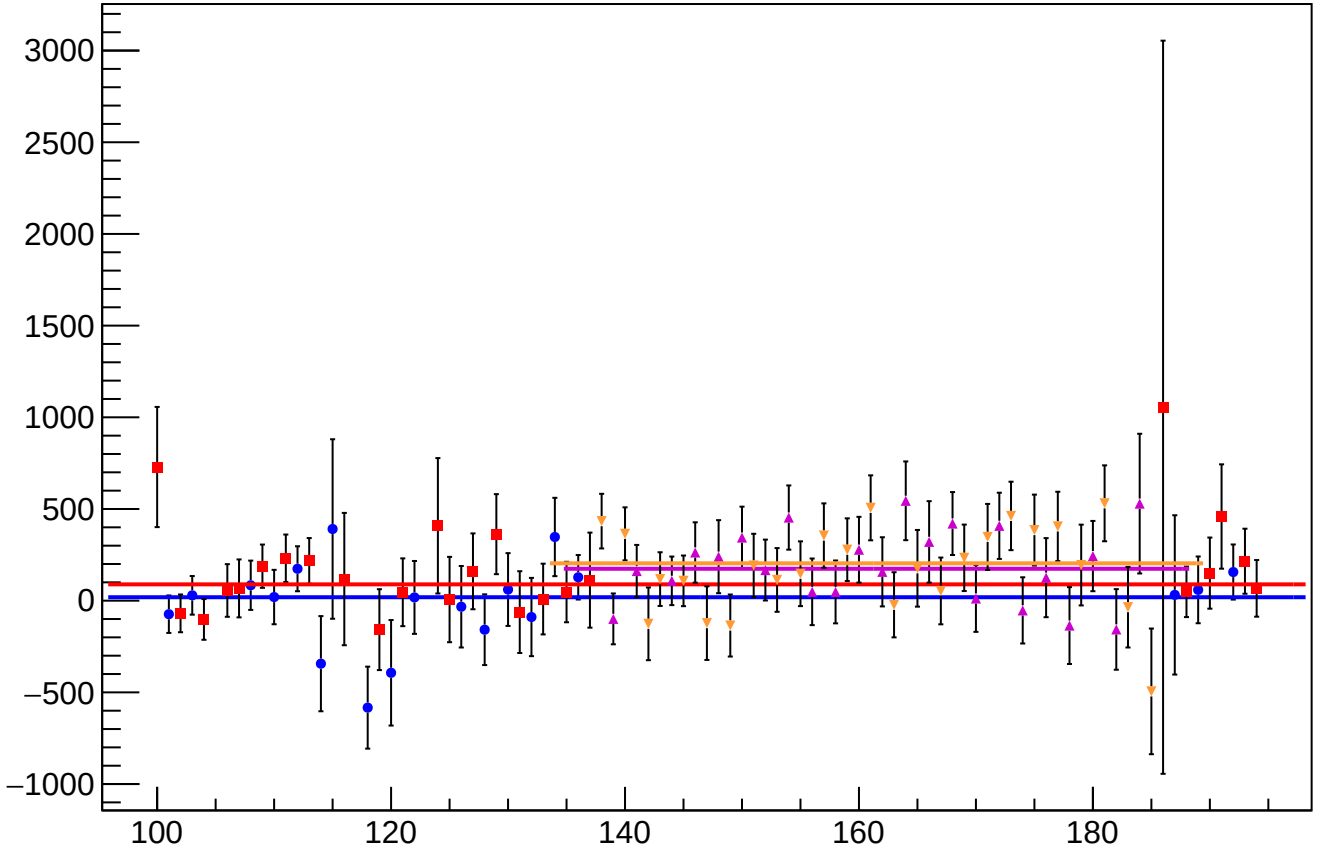
Right: 740.173+/-0.126 χ^2/NDF: 5101589.7/43

In: 883.358+/-0.124 χ^2/NDF:3360144.9/41

Out: 860.024+/-0.115 χ^2/NDF:4588509.9/49

All: 870.828+/-0.084 χ^2/NDF: 7967644.1/91

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 18.797+/-37.962 χ^2/NDF: 19.8/18

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 88.974+/-34.070 χ^2/NDF: 19.4/24

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

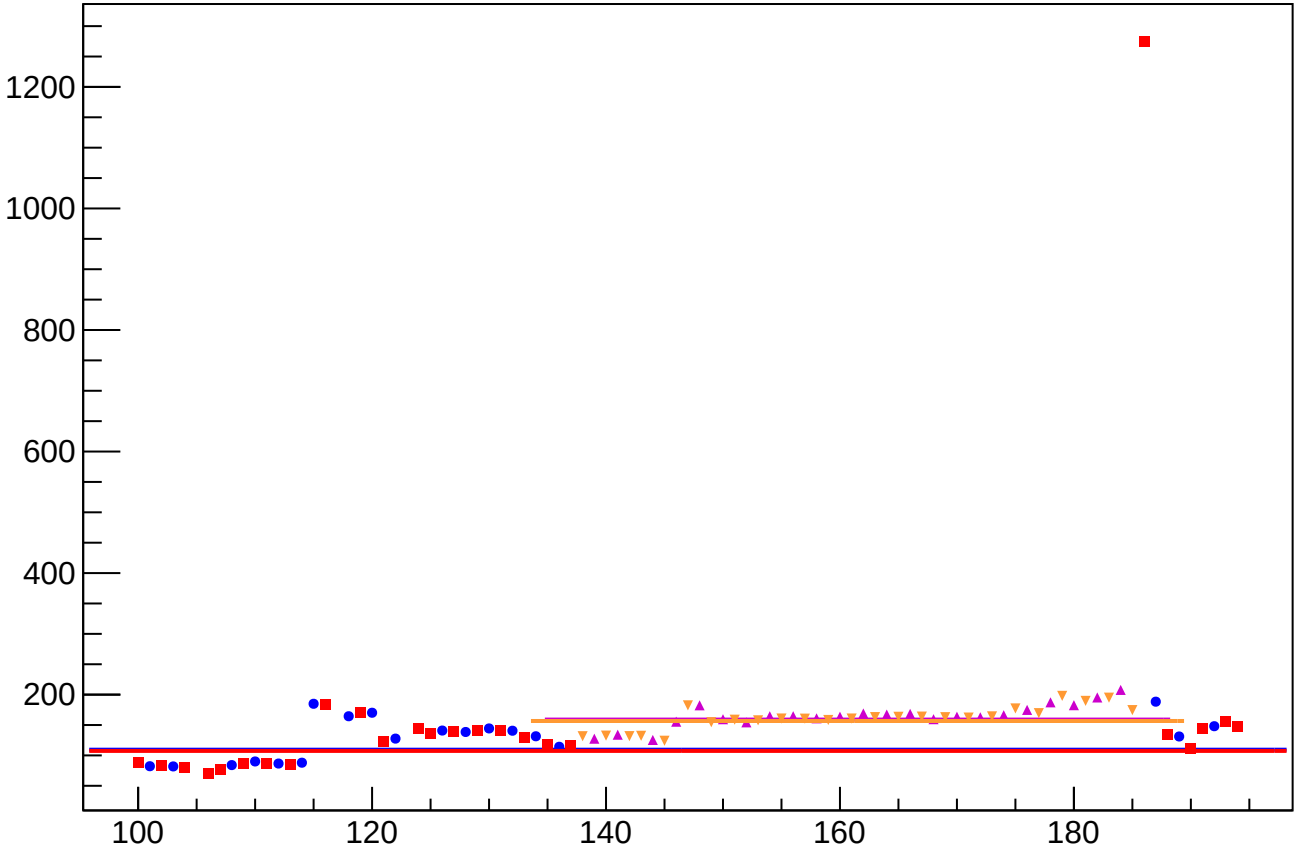
Right: 57.666+/-25.356 χ^2/NDF: 41.1/43

In: 97.534+/-26.644 χ^2/NDF:52.8/41

Out: 143.406+/-24.706 χ^2/NDF:57.7/49

All: 122.199+/-18.116 χ^2/NDF: 112.0/91

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 109.398+/-0.027 χ^2/NDF: 1183567.6/18

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 107.406+/-0.024 χ^2/NDF: 2206599.1/24

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

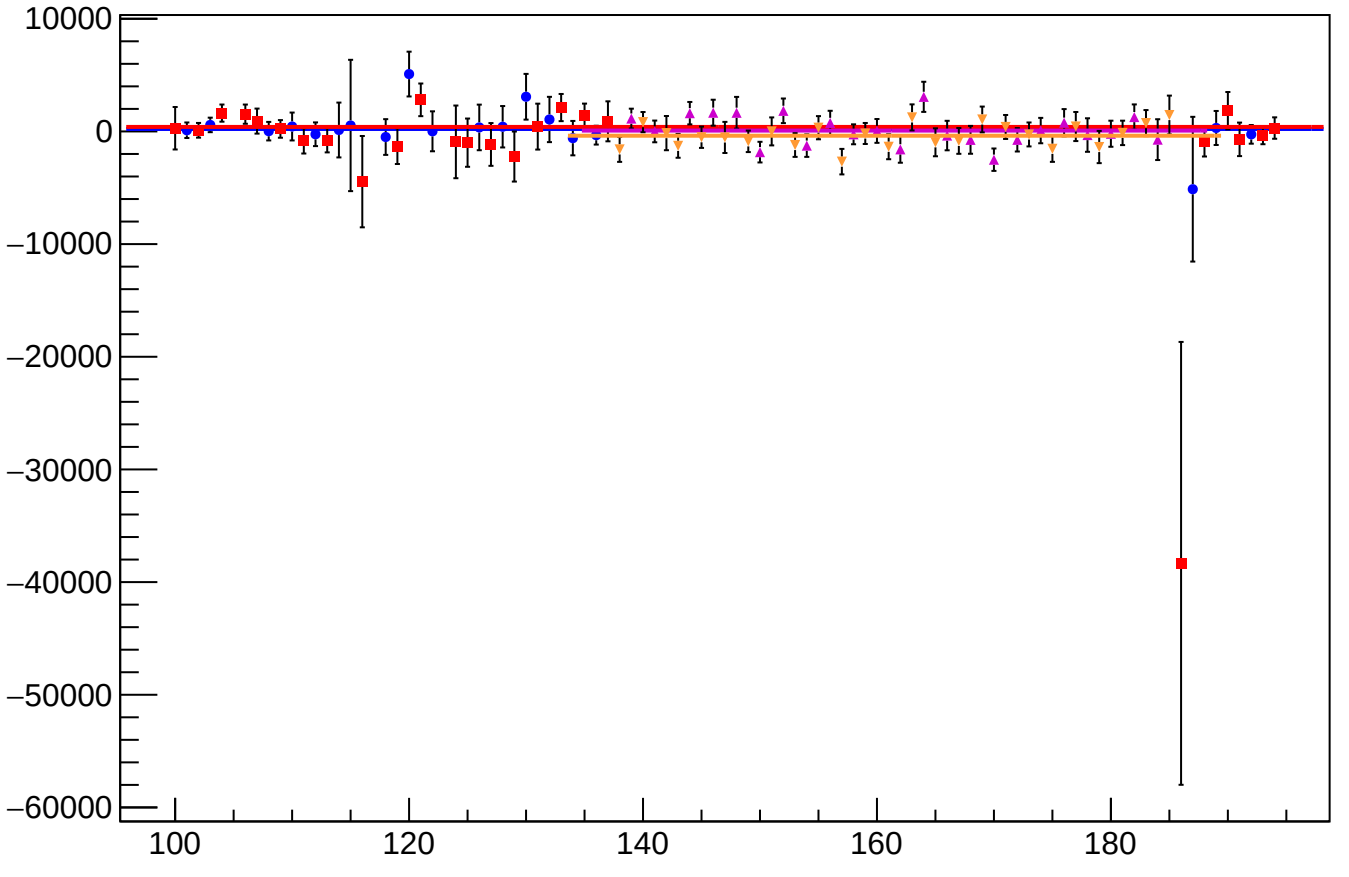
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 108.295+/-0.018 χ^2/NDF: 3393217.5/43

In: 134.541+/-0.019 χ^2/NDF:3423983.5/41

Out: 130.750+/-0.017 χ^2/NDF:4769245.8/49

All: 132.503+/-0.013 χ^2/NDF: 8214994.8/91



Right In: 218.905+/-271.811 χ^2/NDF: 10.8/18

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 399.861+/-236.948 χ^2/NDF: 25.5/24

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

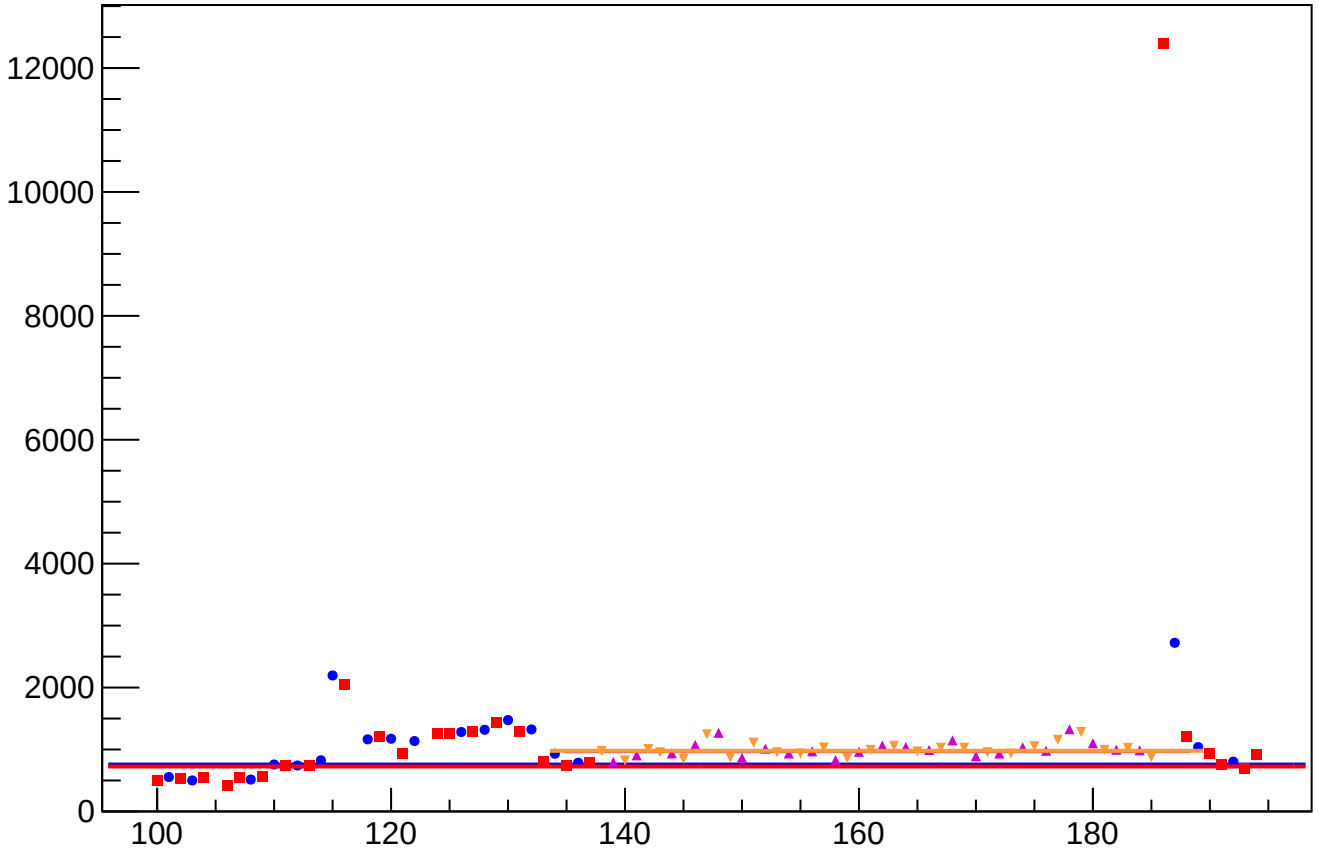
Right: 321.725+/-178.610 χ^2/NDF: 36.5/43

In: 134.653+/-175.483 χ^2/NDF:44.0/41

Out: -11.355+/-162.989 χ^2/NDF:49.9/49

All: 56.267+/-119.423 χ^2/NDF: 94.3/91

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 756.786+/-0.192 χ^2/NDF: 2117908.2/18

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 725.965+/-0.168 χ^2/NDF: 3006579.0/24

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

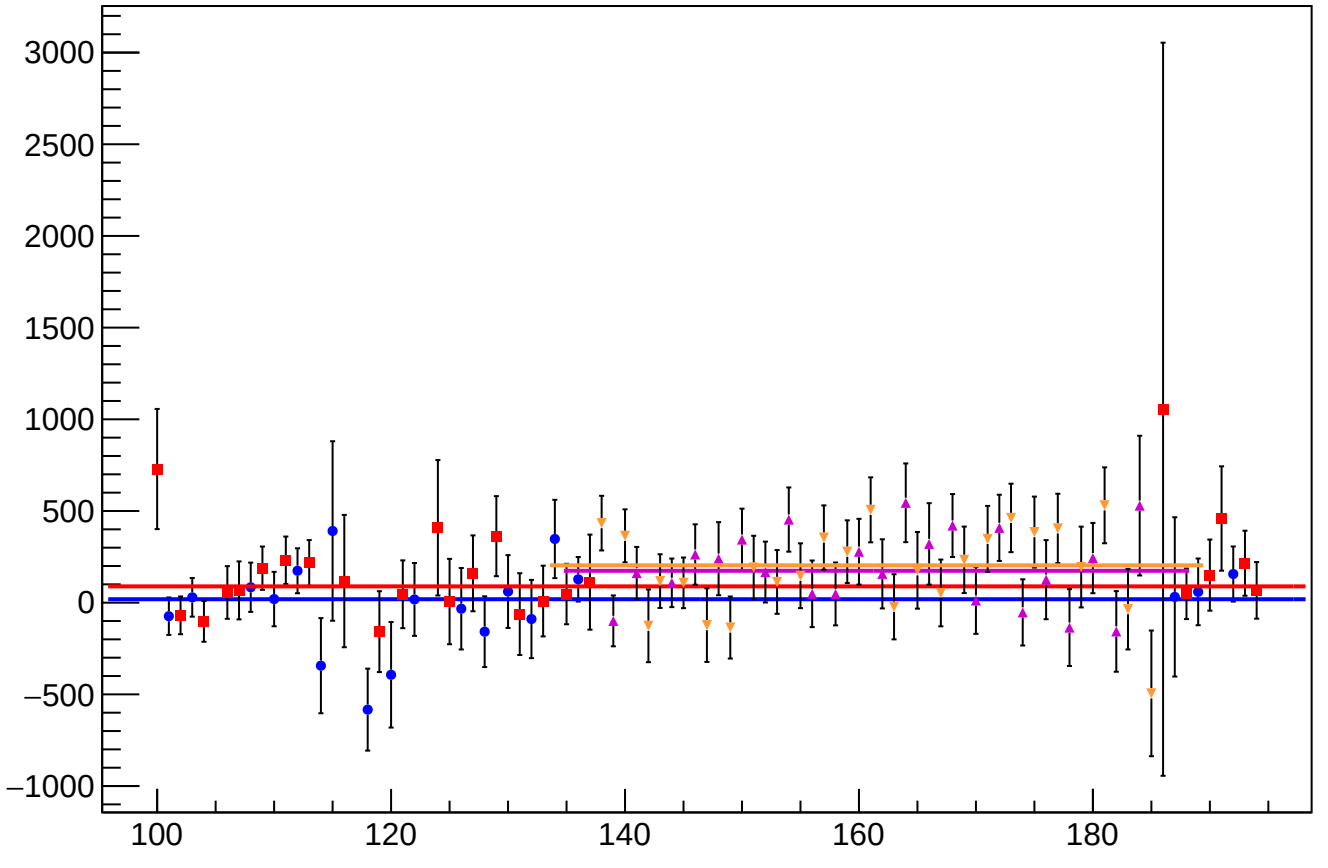
Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

Right: 739.273+/-0.126 χ^2/NDF: 5139098.1/43

In: 883.358+/-0.124 χ^2/NDF:3360152.4/41

Out: 859.332+/-0.115 χ^2/NDF:4639037.5/49

All: 870.459+/-0.084 χ^2/NDF: 8019316.7/91



Right In: 18.797+/-37.962 χ^2/NDF: 19.8/18

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 88.974+/-34.070 χ^2/NDF: 19.4/24

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

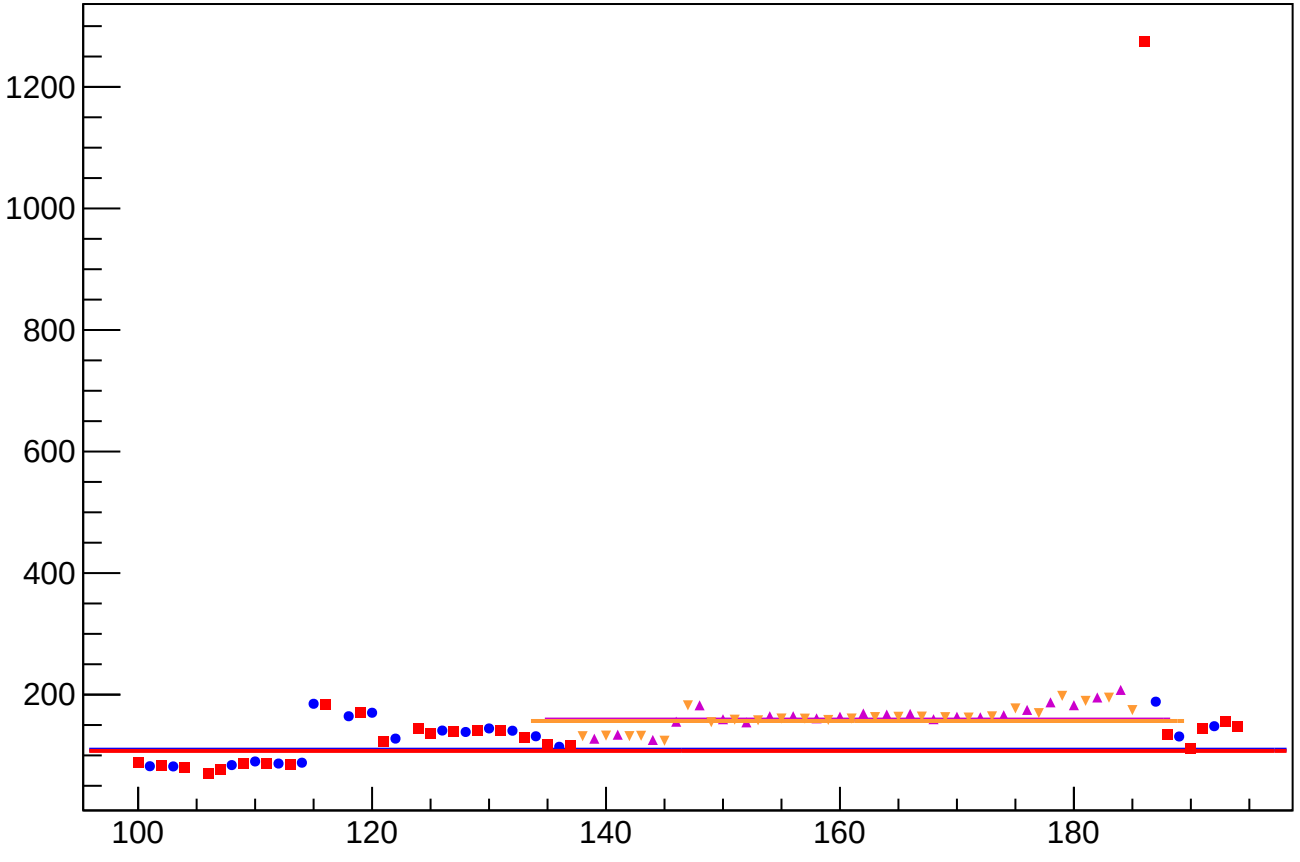
Right: 57.666+/-25.356 χ^2/NDF: 41.1/43

In: 97.534+/-26.644 χ^2/NDF:52.8/41

Out: 143.406+/-24.706 χ^2/NDF:57.7/49

All: 122.199+/-18.116 χ^2/NDF: 112.0/91

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 109.398+/-0.027 χ^2/NDF: 1183567.6/18

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 107.406+/-0.024 χ^2/NDF: 2206599.1/24

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

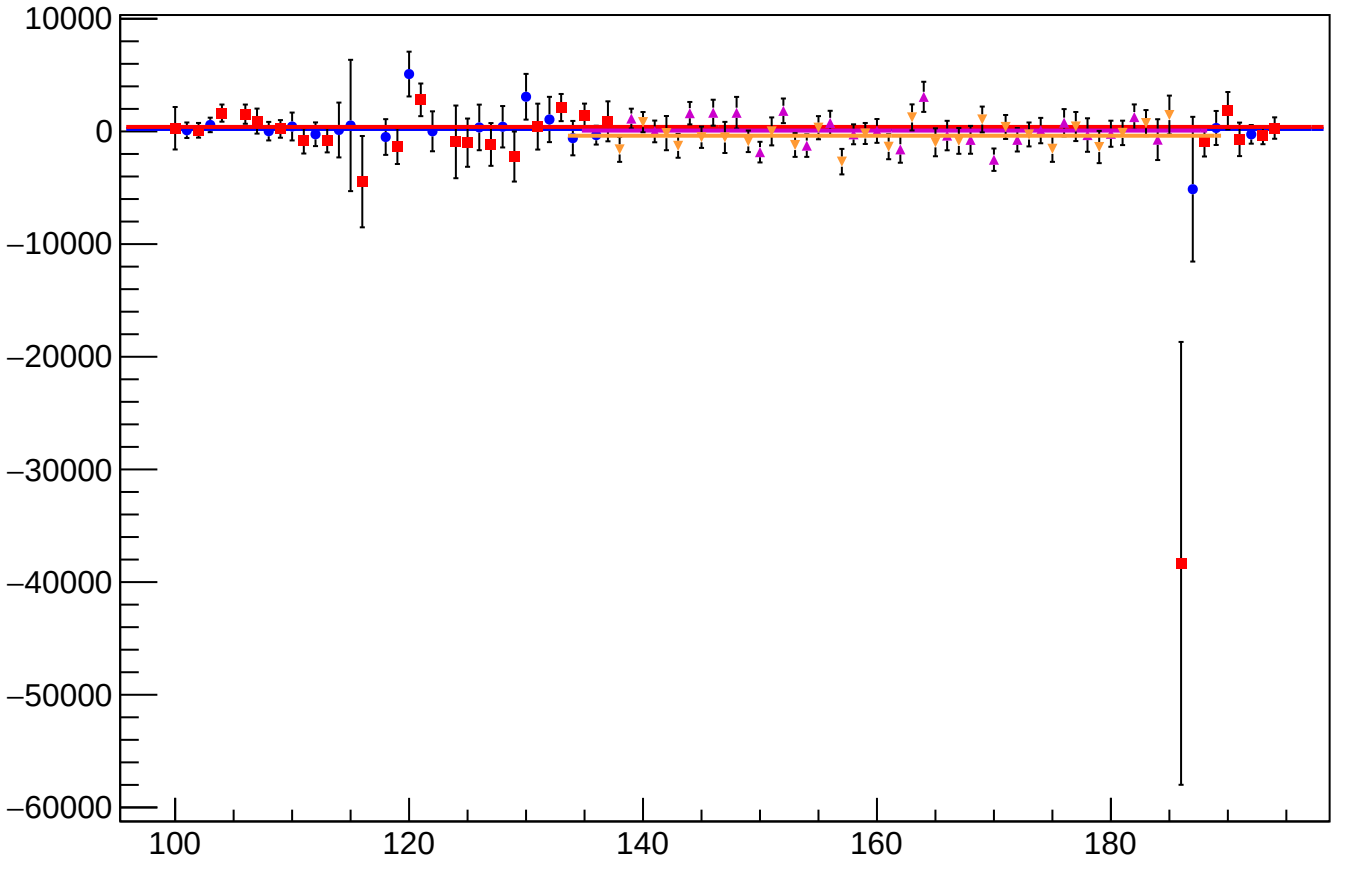
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 108.295+/-0.018 χ^2/NDF: 3393217.5/43

In: 134.541+/-0.019 χ^2/NDF:3423983.5/41

Out: 130.750+/-0.017 χ^2/NDF:4769245.8/49

All: 132.503+/-0.013 χ^2/NDF: 8214994.8/91



Right In: 218.905+/-271.811 χ^2/NDF: 10.8/18

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 399.861+/-236.948 χ^2/NDF: 25.5/24

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

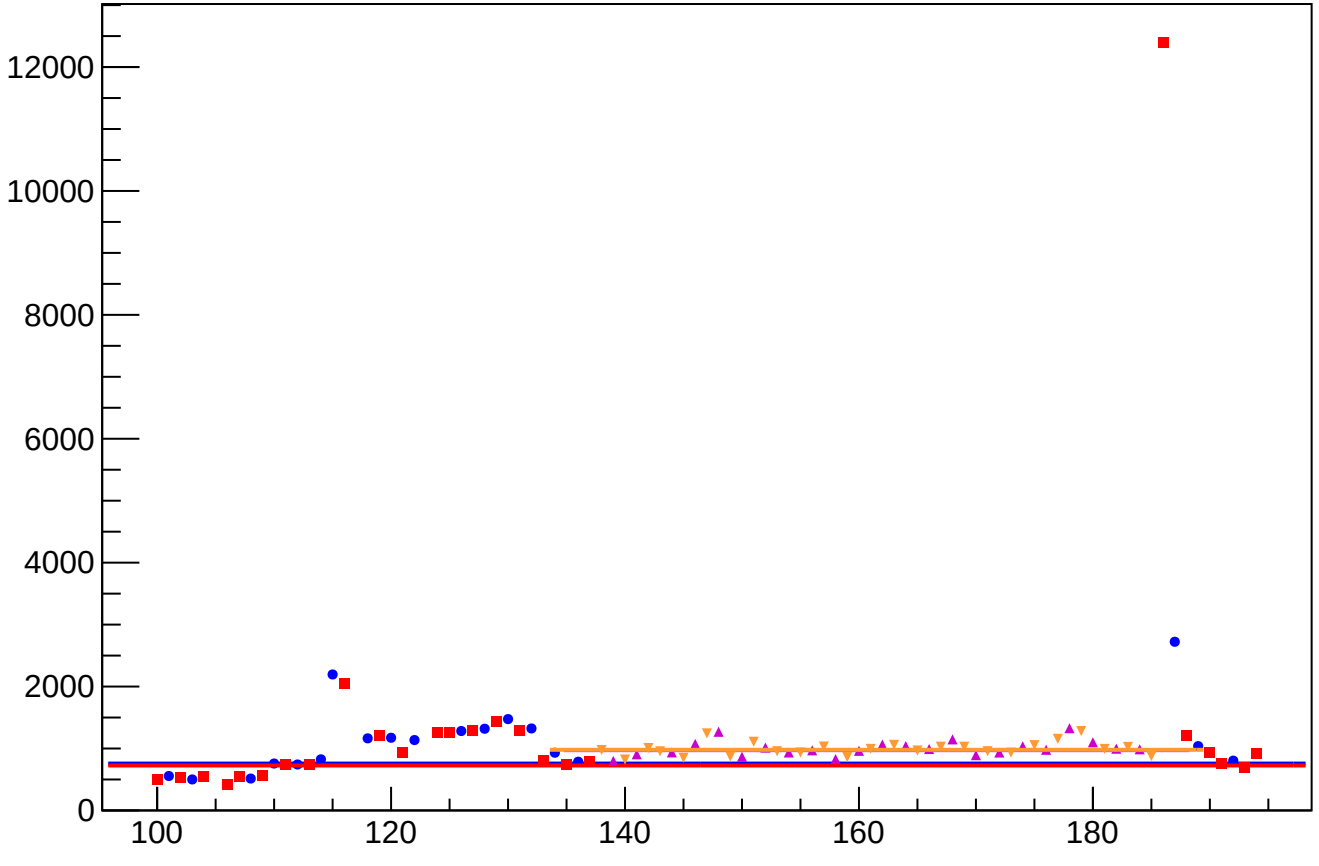
Right: 321.725+/-178.610 χ^2/NDF: 36.5/43

In: 134.653+/-175.483 χ^2/NDF:44.0/41

Out: -11.355+/-162.989 χ^2/NDF:49.9/49

All: 56.267+/-119.423 χ^2/NDF: 94.3/91

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 756.786+/-0.192 χ^2/NDF: 2117908.2/18

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 725.965+/-0.168 χ^2/NDF: 3006579.0/24

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

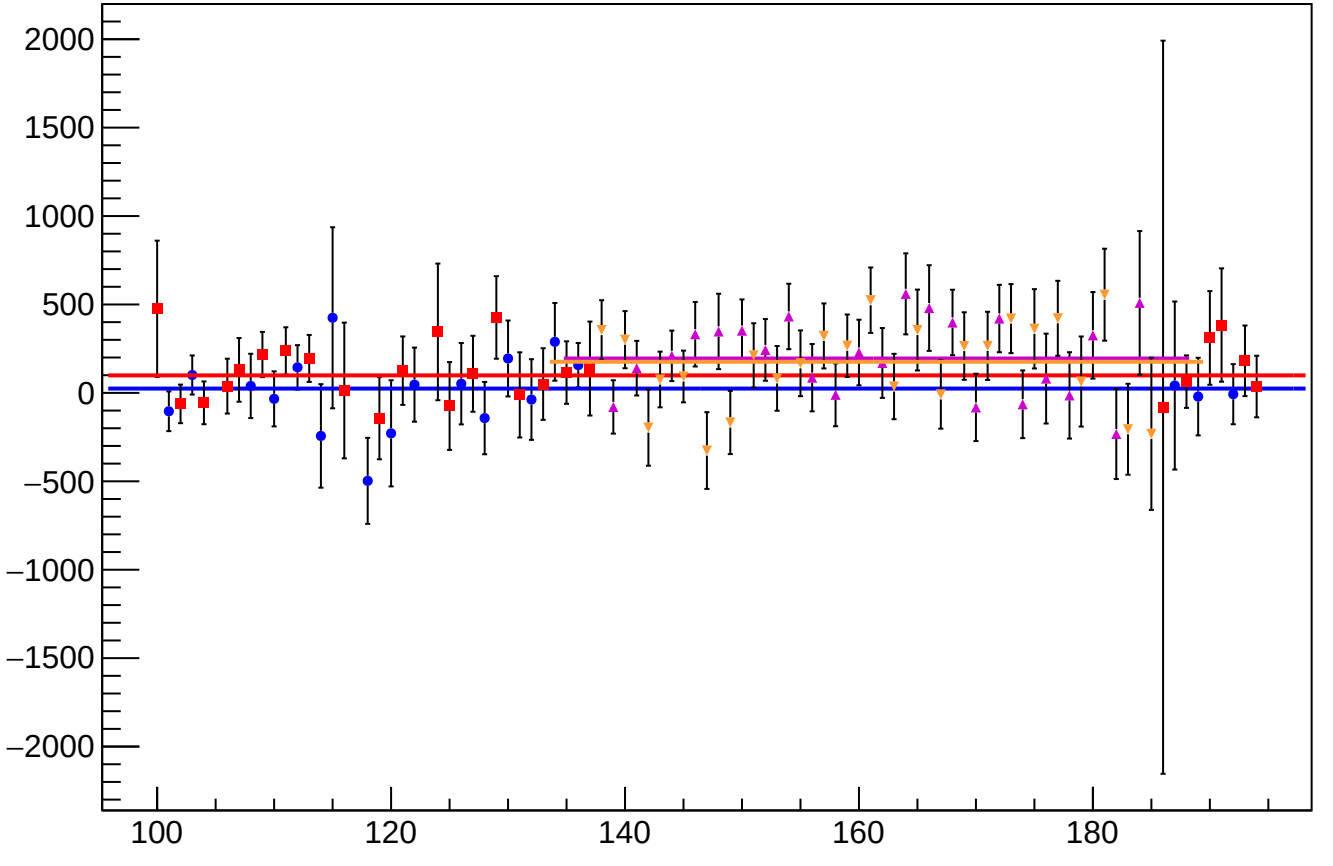
Right: 739.273+/-0.126 χ^2/NDF: 5139098.1/43

In: 883.358+/-0.124 χ^2/NDF:3360152.4/41

Out: 859.332+/-0.115 χ^2/NDF:4639037.5/49

All: 870.459+/-0.084 χ^2/NDF: 8019316.7/91

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 24.388+/-41.177 χ^2/NDF: 13.6/18

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: 99.015+/-36.855 χ^2/NDF: 13.5/24

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

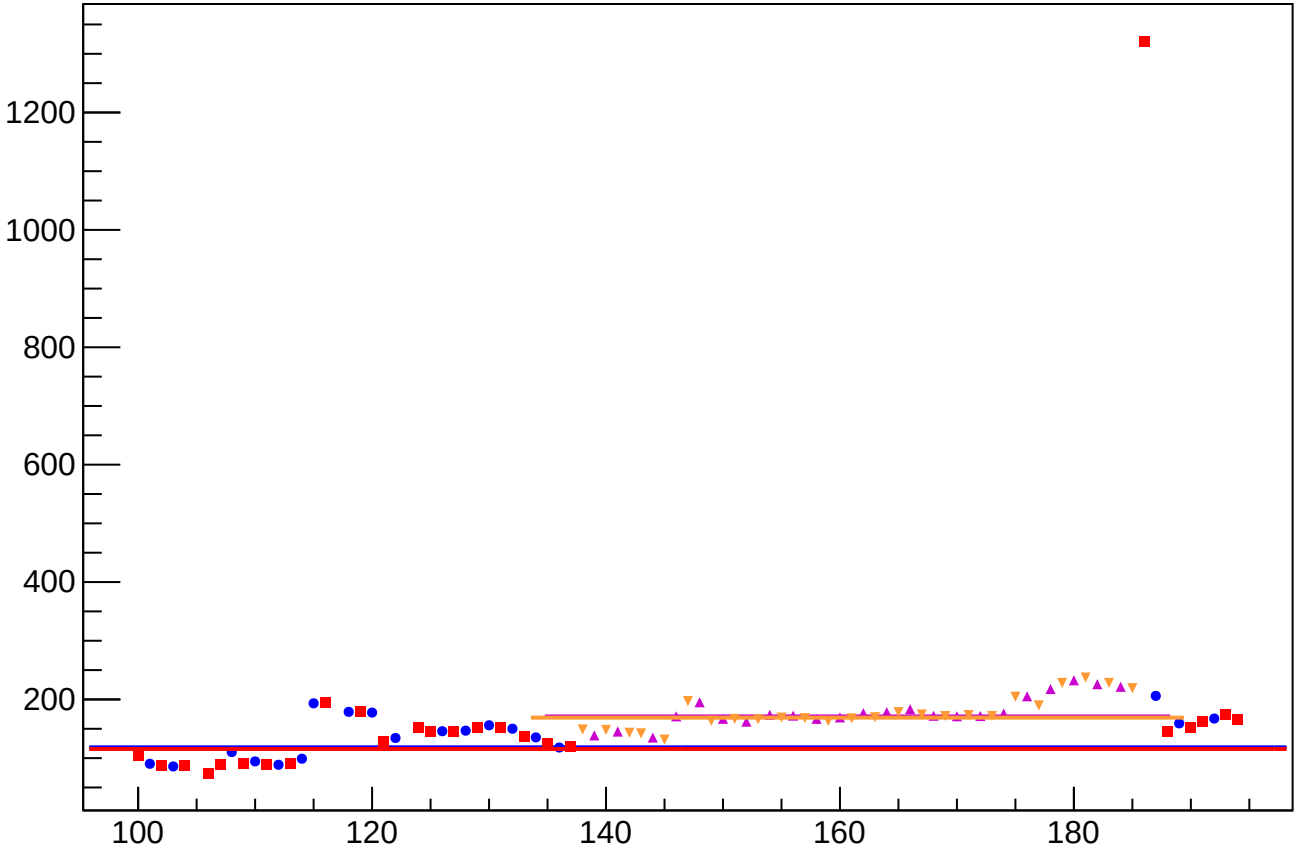
Right: 65.823+/-27.462 χ^2/NDF: 29.0/43

In: 111.010+/-28.832 χ^2/NDF:46.2/41

Out: 135.497+/-26.734 χ^2/NDF:46.4/49

All: 124.177+/-19.603 χ^2/NDF: 92.9/91

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 118.382+/-0.029 χ^2/NDF: 1209016.1/18

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 115.630+/-0.026 χ^2/NDF: 2294036.4/24

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

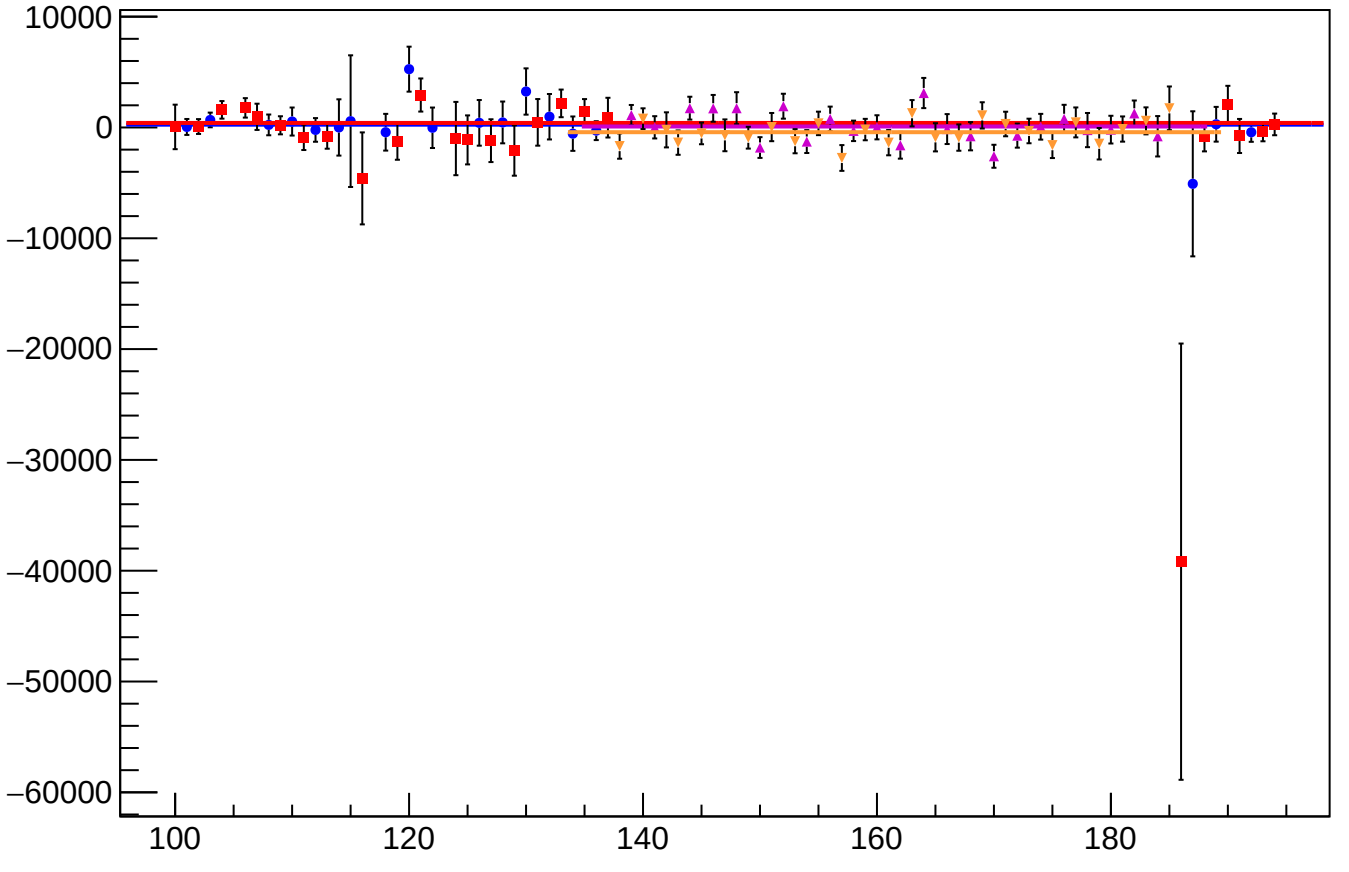
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 116.854+/-0.019 χ^2/NDF: 3508012.4/43

In: 145.214+/-0.020 χ^2/NDF:3553075.2/41

Out: 140.922+/-0.019 χ^2/NDF:5055889.3/49

All: 142.906+/-0.014 χ^2/NDF: 8632791.1/91



Right In: 253.060+/-282.833 χ^2/NDF: 11.2/18

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: 408.510+/-245.332 χ^2/NDF: 26.0/24

Left In: 86.486+/-238.155 χ^2/NDF:32.4/22

Left: -175.754+/-166.388 χ^2/NDF: 53.2/47

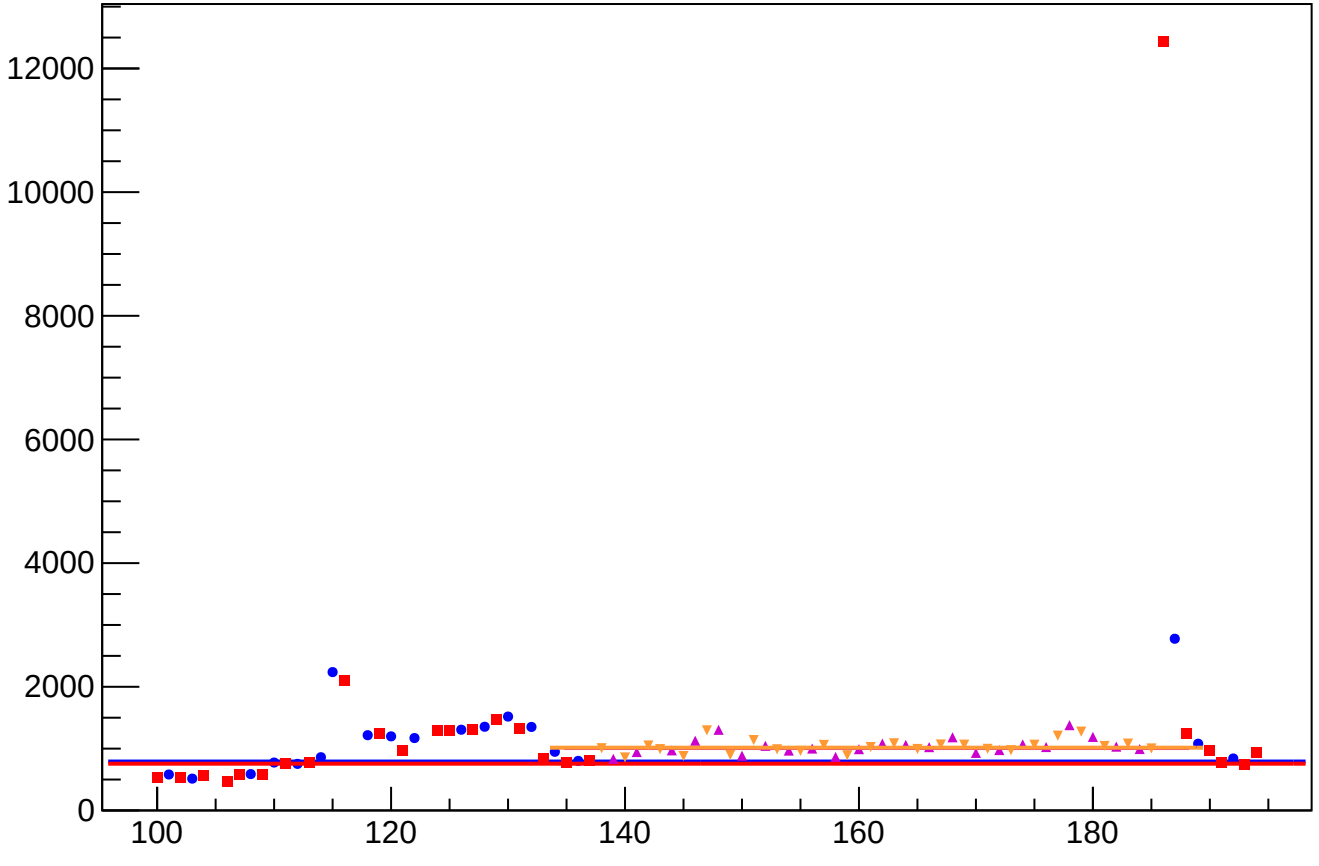
Right: 341.767+/-185.326 χ^2/NDF: 37.4/43

In: 155.593+/-182.174 χ^2/NDF:43.8/41

Out: -30.935+/-168.780 χ^2/NDF:50.5/49

All: 55.220+/-123.810 χ^2/NDF: 94.9/91

asym_sam5_dit_correction_rms vs Slug, Sign Corrected



Right In: 791.019+/-0.200 χ^2/NDF: 2008137.6/18

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 756.329+/-0.173 χ^2/NDF: 2891213.0/24

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

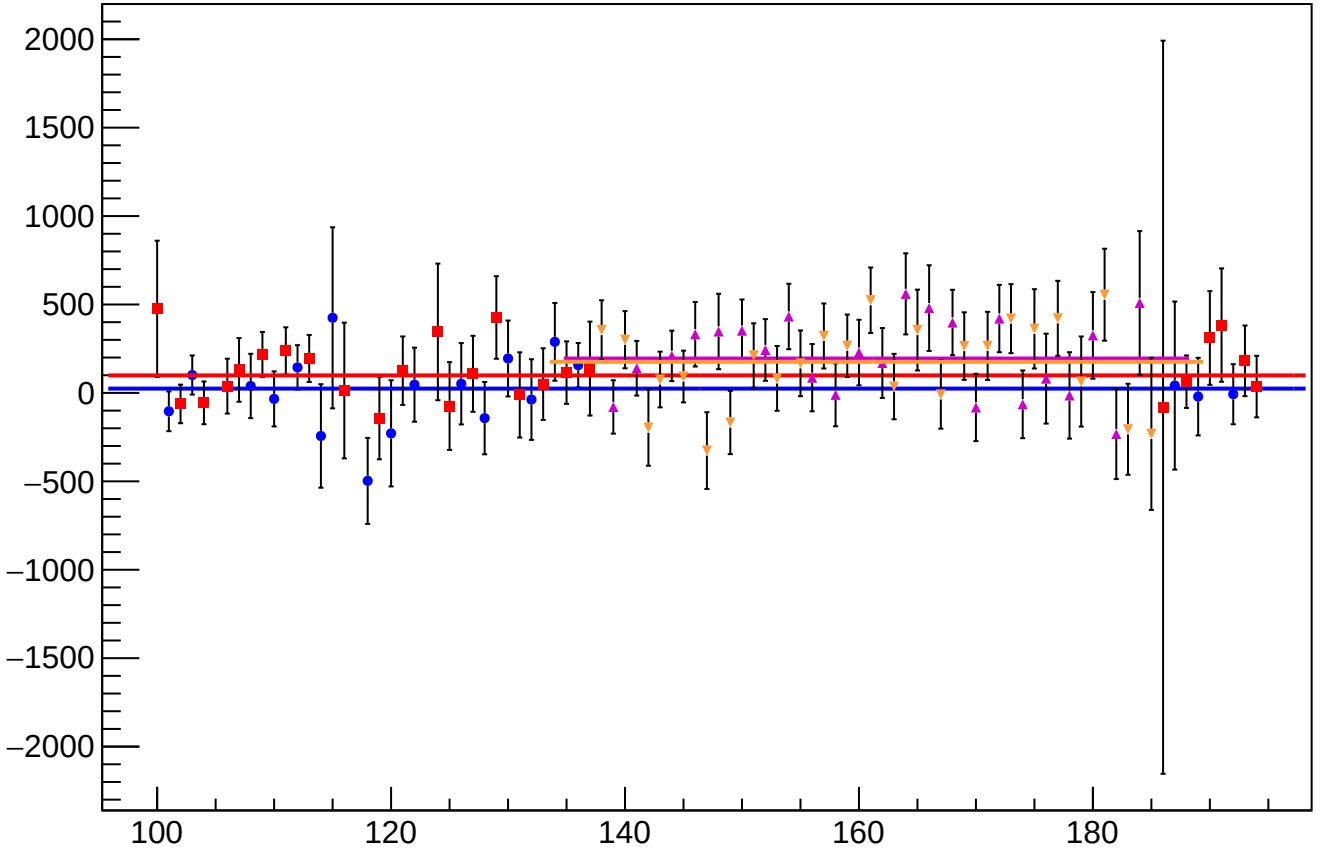
Right: 771.223+/-0.131 χ^2/NDF: 4916520.2/43

In: 918.960+/-0.129 χ^2/NDF:3206333.4/41

Out: 892.596+/-0.119 χ^2/NDF:4460677.2/49

All: 904.773+/-0.088 χ^2/NDF: 7689549.4/91

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 24.387+/-41.177 χ^2/NDF: 13.6/18

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: 99.015+/-36.855 χ^2/NDF: 13.5/24

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

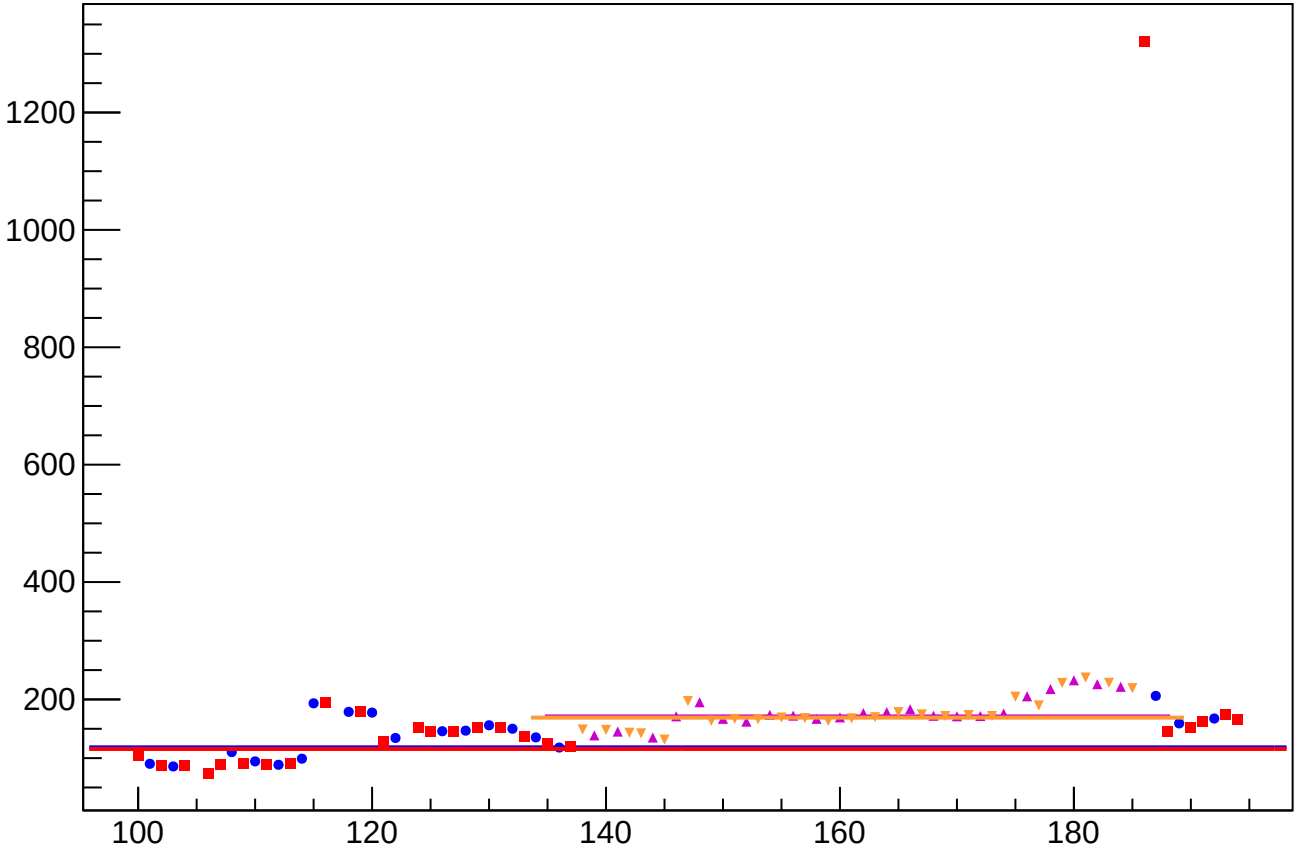
Right: 65.823+/-27.462 χ^2/NDF: 29.0/43

In: 111.009+/-28.832 χ^2/NDF:46.2/41

Out: 135.497+/-26.734 χ^2/NDF:46.4/49

All: 124.177+/-19.603 χ^2/NDF: 92.9/91

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 118.382+/-0.029 χ^2/NDF: 1209020.3/18

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 115.630+/-0.026 χ^2/NDF: 2294033.8/24

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

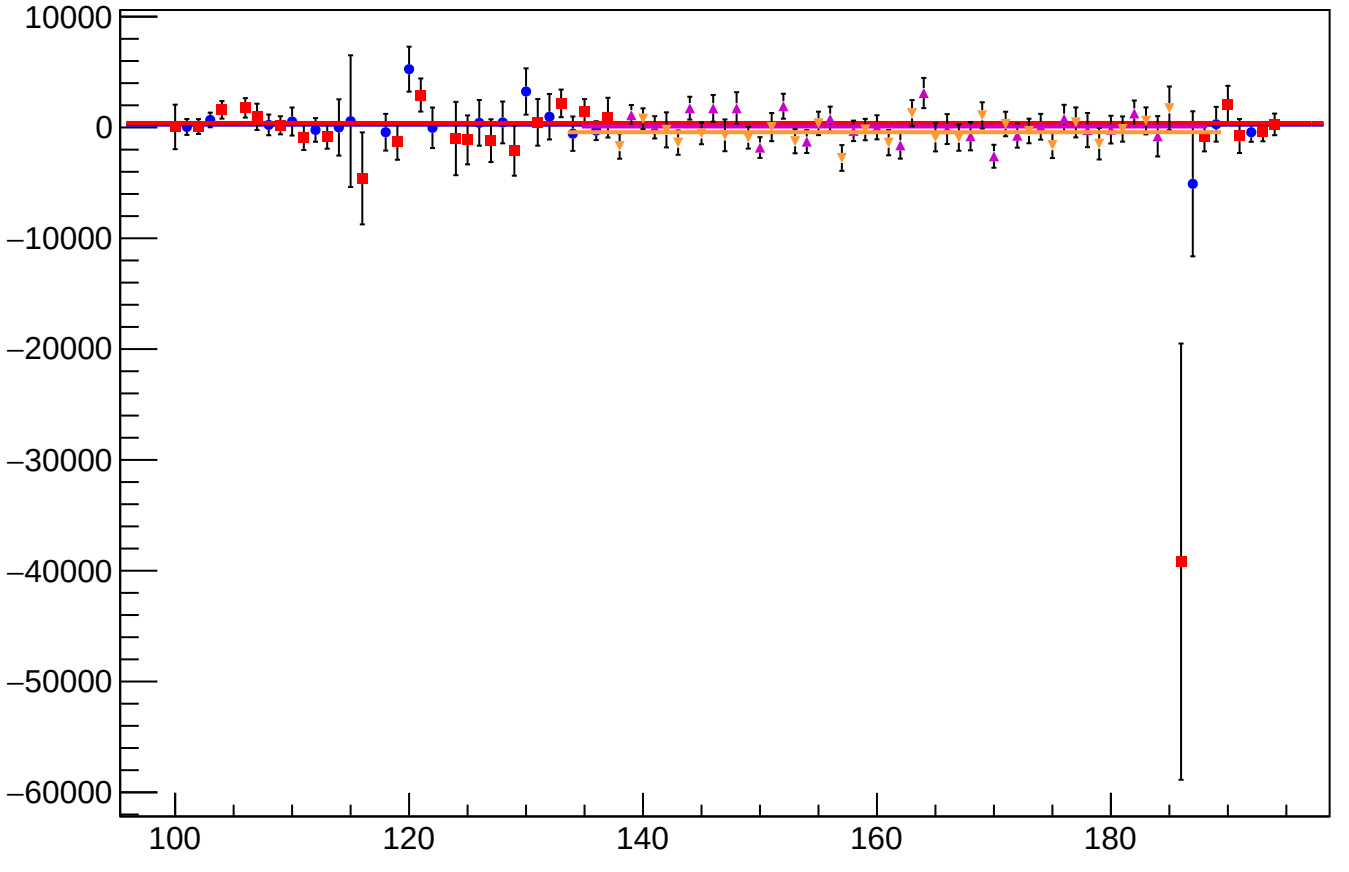
Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

Right: 116.854+/-0.019 χ^2/NDF: 3508013.8/43

In: 145.214+/-0.020 χ^2/NDF:3553104.3/41

Out: 140.922+/-0.019 χ^2/NDF:5055898.6/49

All: 142.906+/-0.014 χ^2/NDF: 8632829.7/91



Right In: 253.060+/-282.833 χ^2/NDF: 11.2/18

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: 408.511+/-245.331 χ^2/NDF: 26.0/24

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

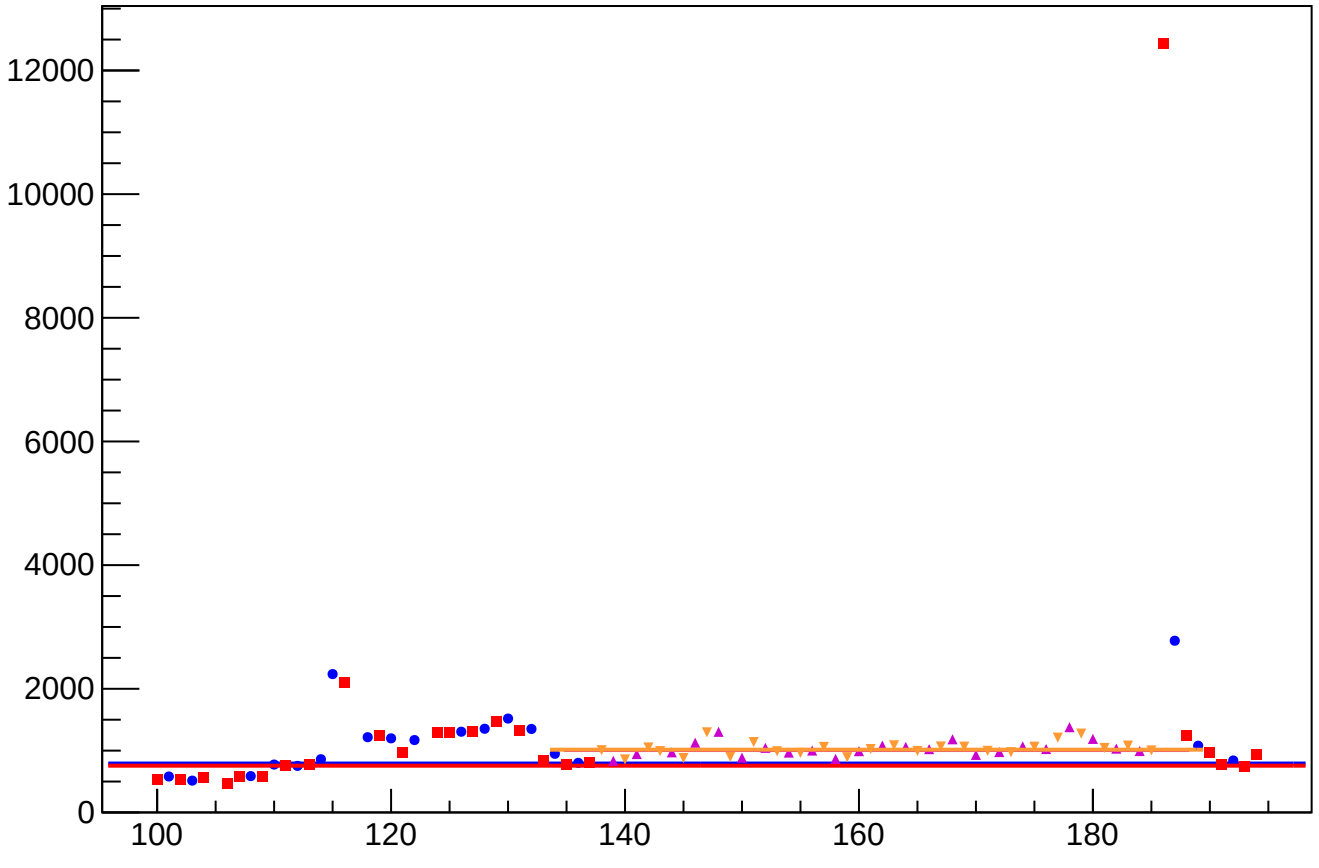
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 341.767+/-185.326 χ^2/NDF: 37.4/43

In: 155.593+/-182.174 χ^2/NDF:43.8/41

Out: -30.933+/-168.780 χ^2/NDF:50.5/49

All: 55.221+/-123.810 χ^2/NDF: 94.9/91



Right In: 791.018+/-0.200 χ^2/NDF: 2008137.6/18

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 756.328+/-0.173 χ^2/NDF: 2891214.6/24

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

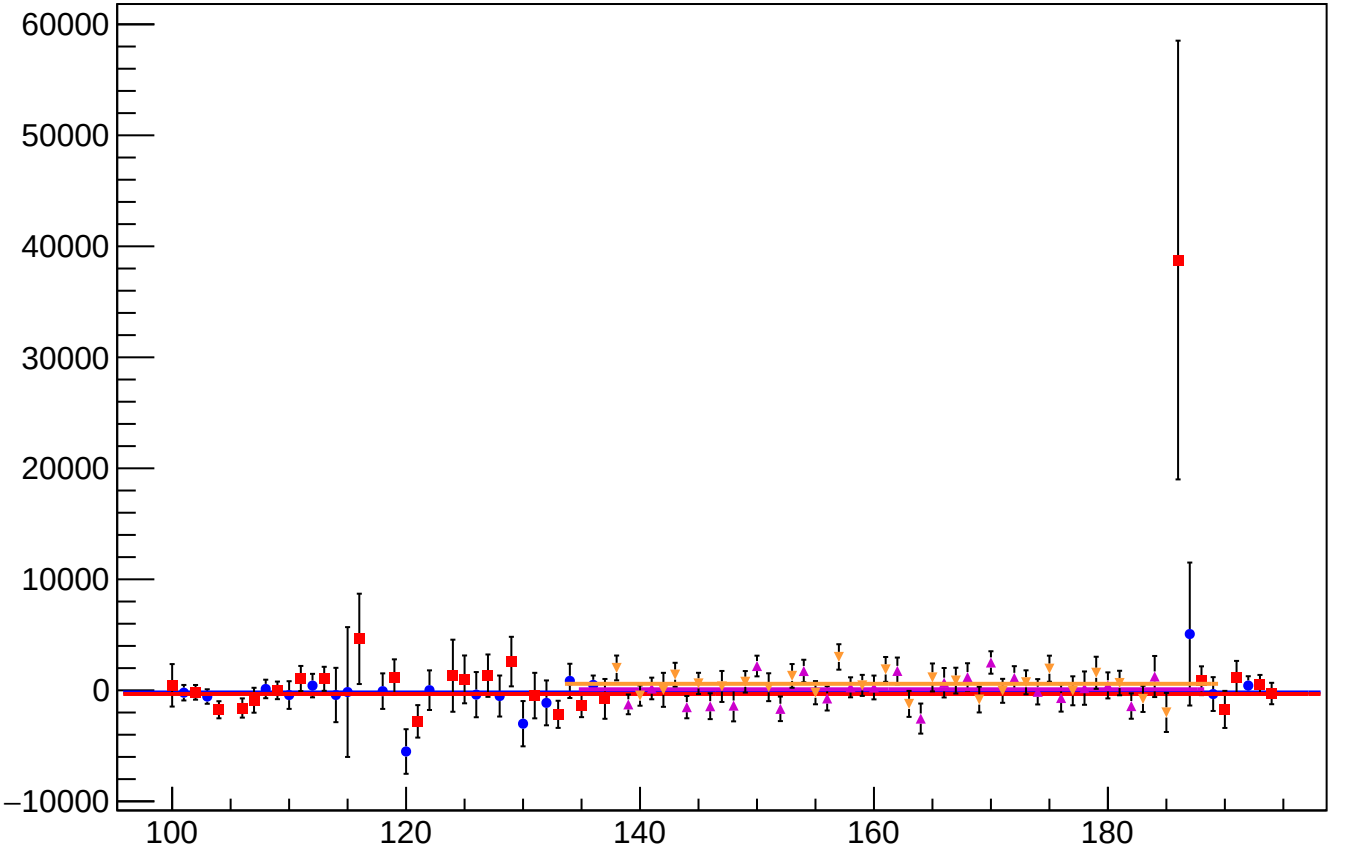
Right: 771.222+/-0.131 χ^2/NDF: 4916521.7/43

In: 918.960+/-0.129 χ^2/NDF:3206347.9/41

Out: 892.596+/-0.119 χ^2/NDF:4460693.8/49

All: 904.773+/-0.088 χ^2/NDF: 7689580.8/91

asym_sam5_mean vs Slug, Sign Corrected



Right In: -193.271+/-274.994 χ^2/NDF: 12.4/18

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: -328.966+/-239.934 χ^2/NDF: 28.5/24

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

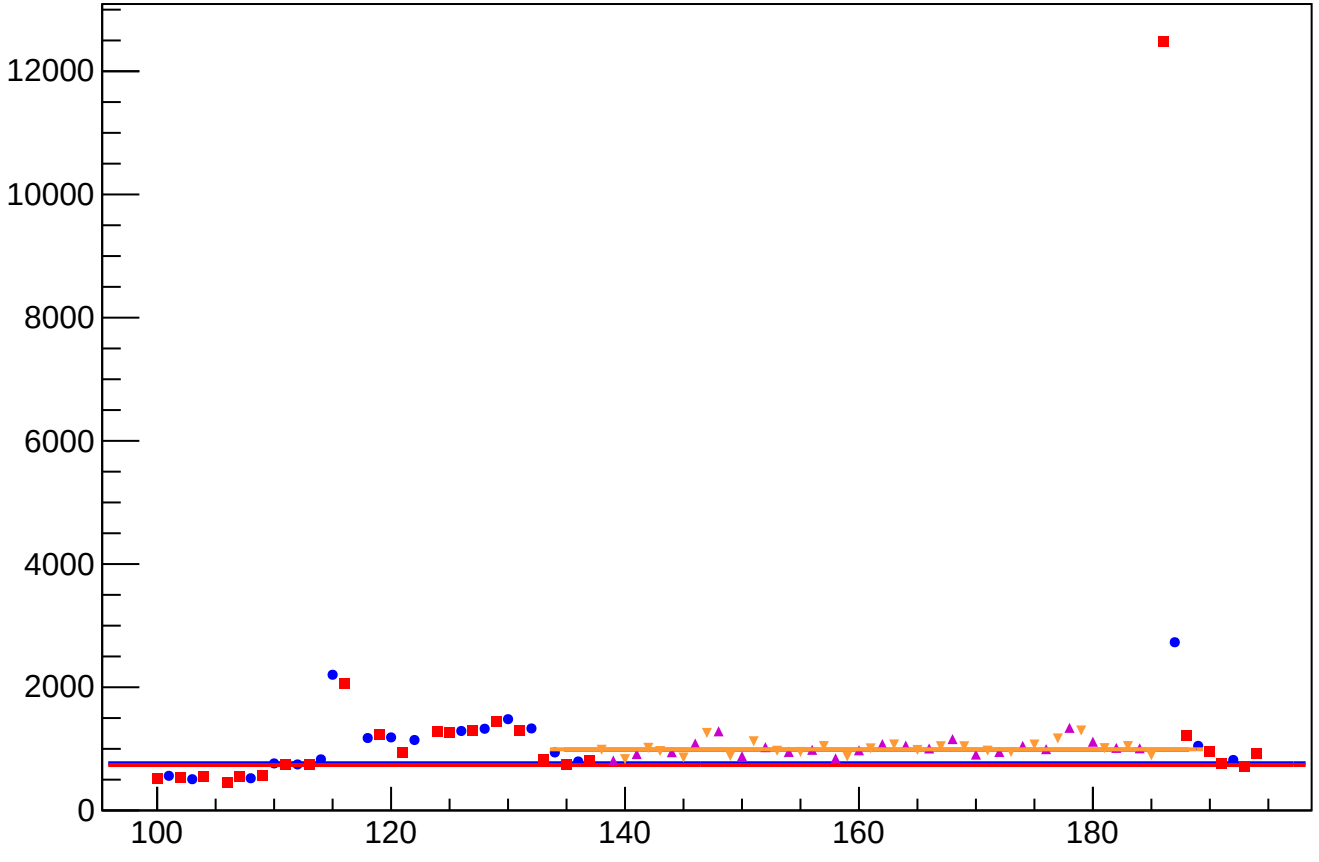
Right: -270.315+/-180.792 χ^2/NDF: 41.0/43

In: -26.825+/-177.778 χ^2/NDF:47.6/41

Out: 152.767+/-165.120 χ^2/NDF:56.9/49

All: 69.592+/-120.985 χ^2/NDF: 105.0/91

asym_sam5_rms vs Slug, Sign Corrected



Right In: 766.259+/-0.194 χ^2/NDF: 2095766.7/18

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 737.342+/-0.170 χ^2/NDF: 2950958.2/24

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

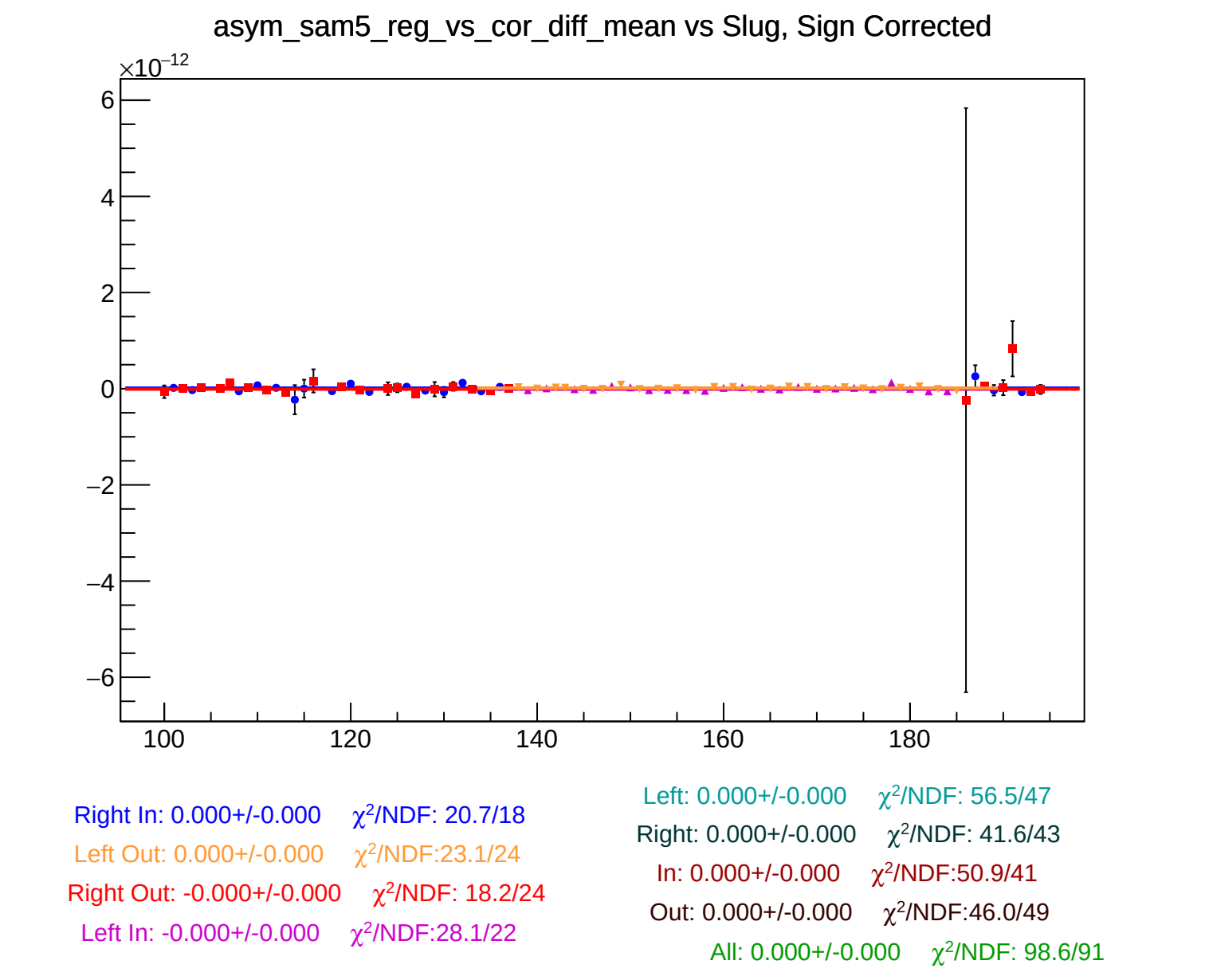
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

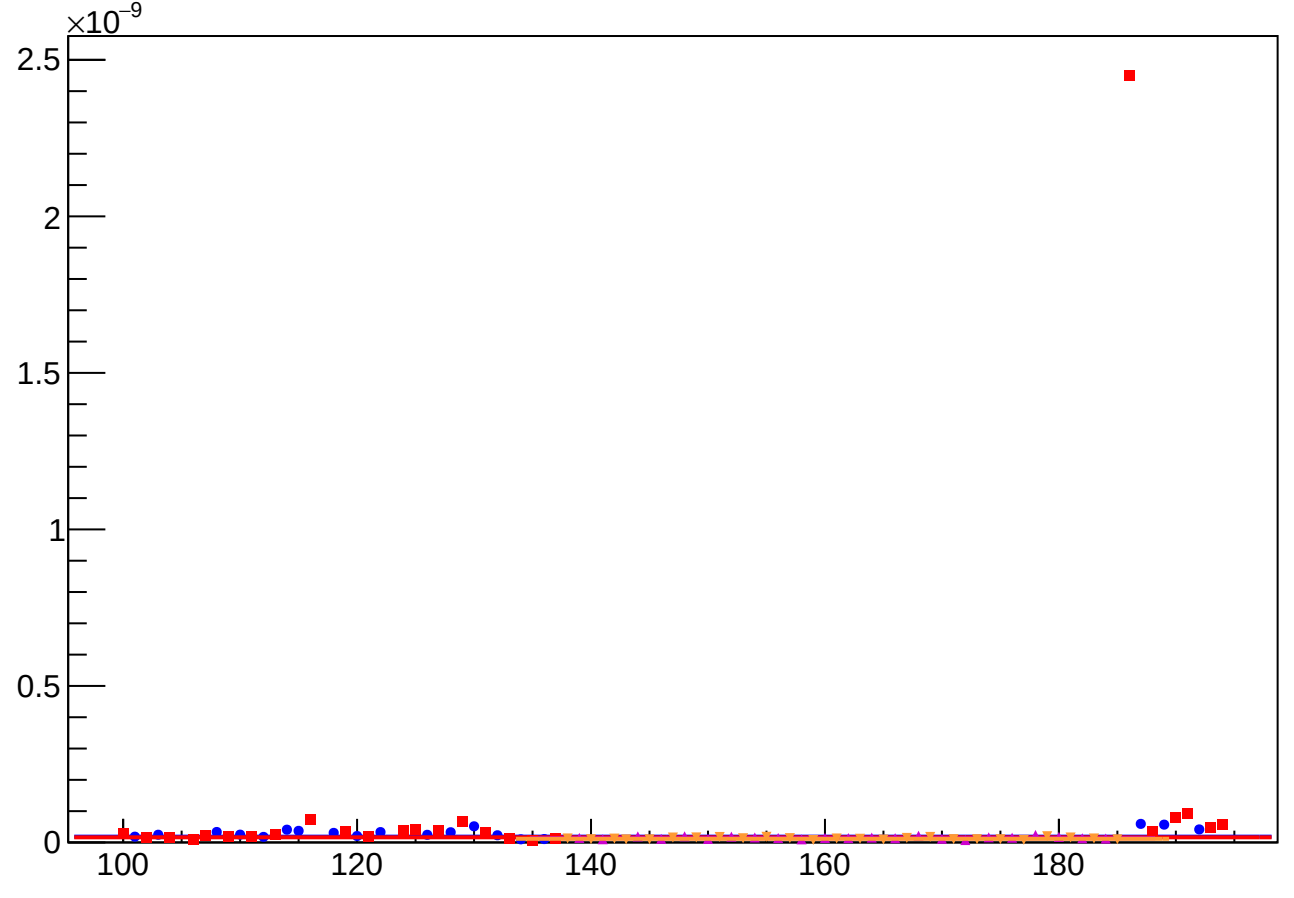
Right: 749.841+/-0.128 χ^2/NDF: 5059281.2/43

In: 895.201+/-0.126 χ^2/NDF:3338942.2/41

Out: 871.682+/-0.117 χ^2/NDF:4566945.9/49

All: 882.574+/-0.086 χ^2/NDF: 7924680.7/91


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
Right In: 0.000+/-0.000 χ²/NDF: 20.7/18
Left Out: 0.000+/-0.000 χ²/NDF:23.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 18.2/24
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: 41.6/43
In: 0.000+/-0.000 χ²/NDF:50.9/41
Out: 0.000+/-0.000 χ²/NDF:46.0/49
All: 0.000+/-0.000 χ²/NDF: 98.6/91



Right In: 0.000+/-0.000 χ^2/NDF: 1704518.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3450303.2/24

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

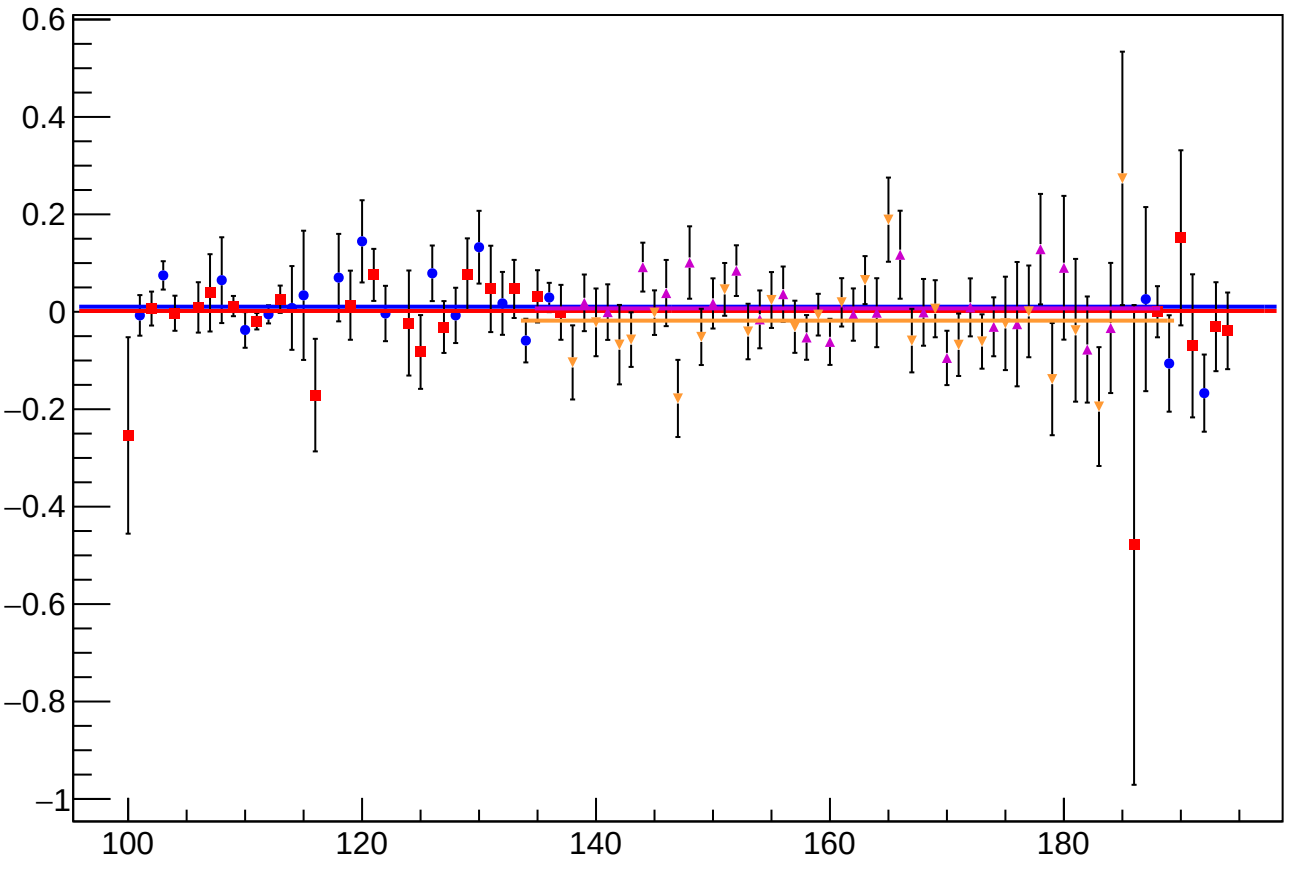
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 5202736.6/43

In: 0.000+/-0.000 χ^2/NDF:2940423.6/41

Out: 0.000+/-0.000 χ^2/NDF:4637631.6/49

All: 0.000+/-0.000 χ^2/NDF: 7740069.7/91



Right In: 0.010+/-0.010 χ^2/NDF: 24.4/18

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 14.7/24

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

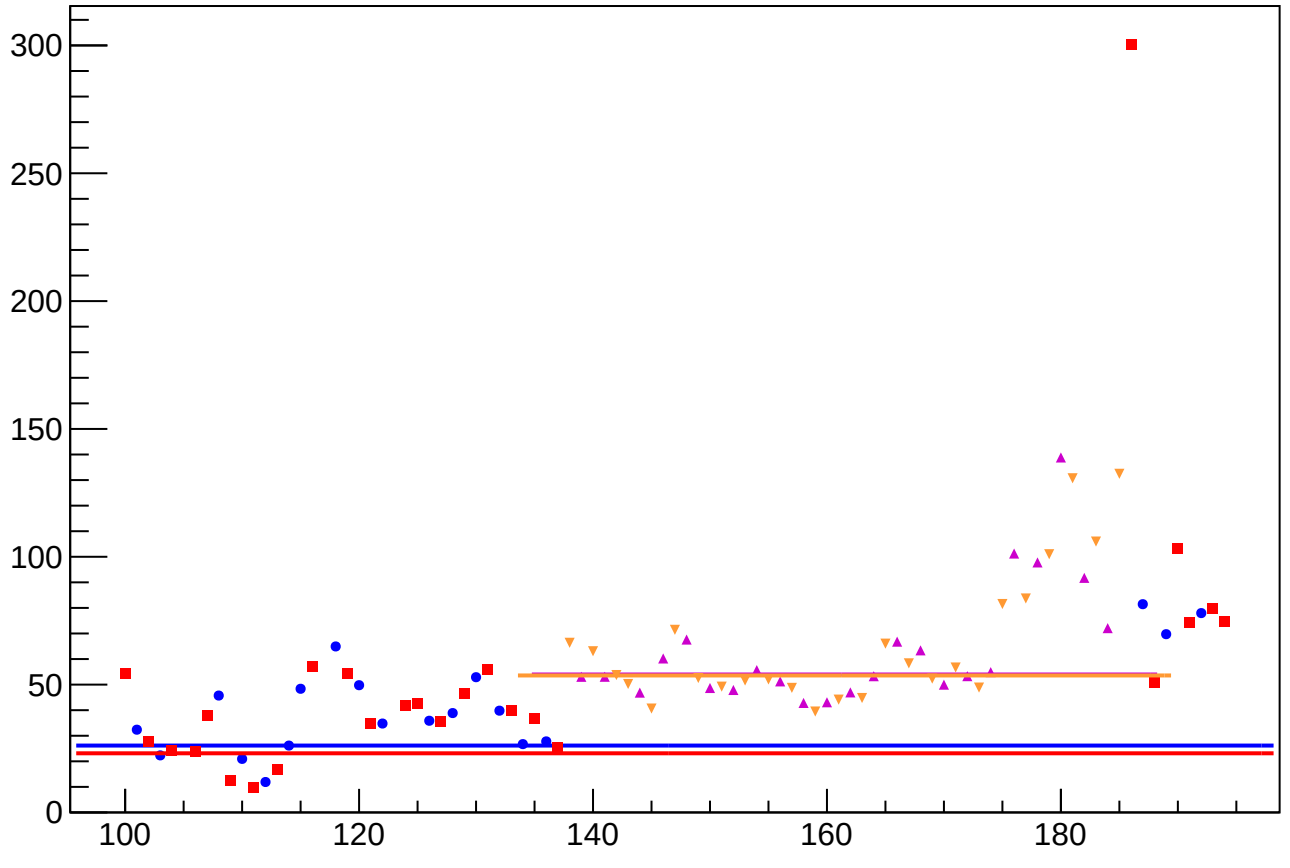
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.005+/-0.007 χ^2/NDF: 39.5/43

In: 0.009+/-0.008 χ^2/NDF:43.1/41

Out: -0.005+/-0.007 χ^2/NDF:40.7/49

All: 0.001+/-0.005 χ^2/NDF: 85.4/91



Right In: 26.164+/-0.007 χ^2/NDF: 3944620.4/18

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 23.138+/-0.006 χ^2/NDF: 7203426.6/24

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

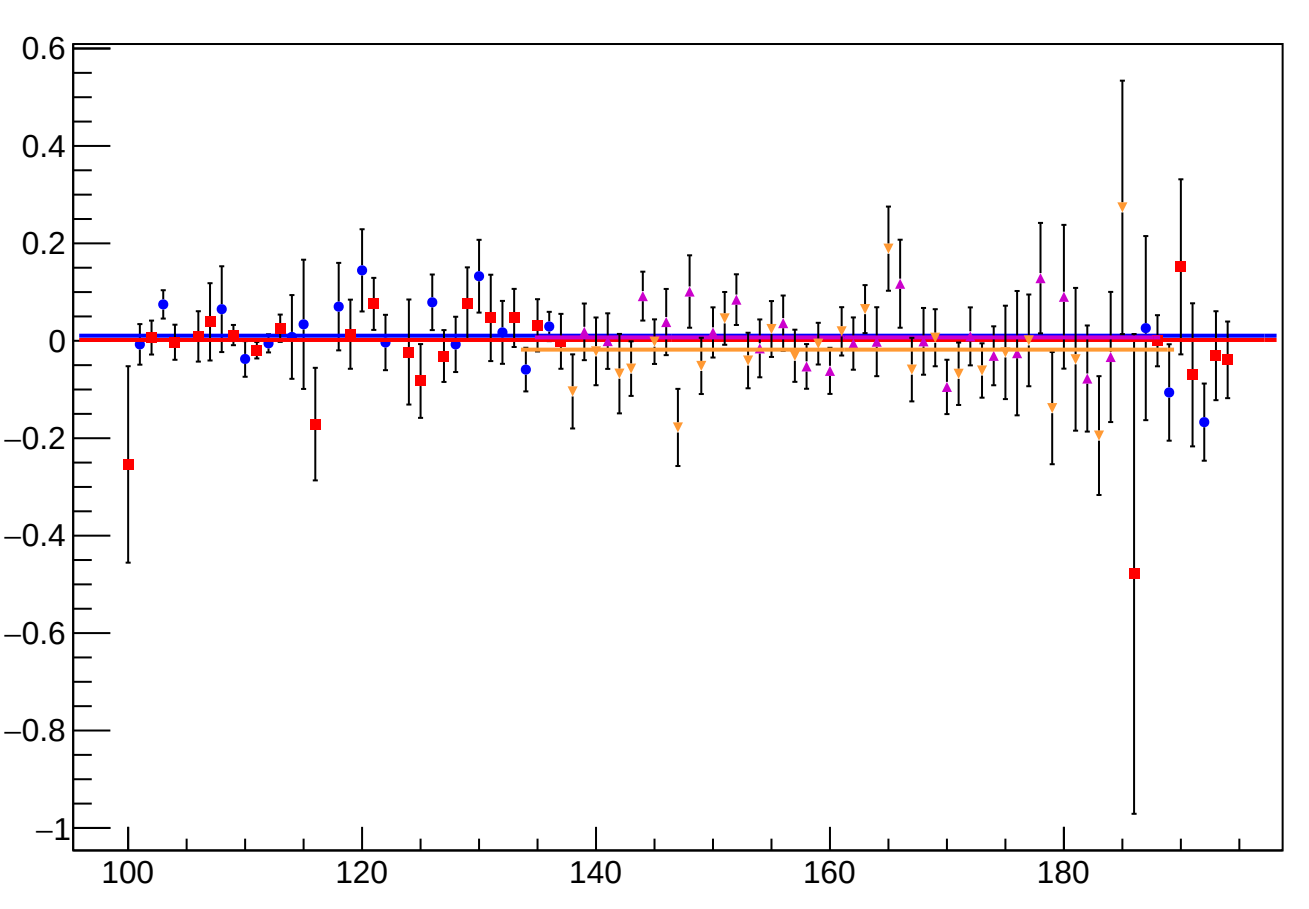
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 24.423+/-0.005 χ^2/NDF: 11245074.5/43

In: 36.842+/-0.006 χ^2/NDF:11452052.9/41

Out: 33.139+/-0.005 χ^2/NDF:17442216.3/49

All: 34.791+/-0.004 χ^2/NDF: 29121438.2/91



Right In: 0.010+/-0.010 χ^2/NDF: 24.4/18

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 14.7/24

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

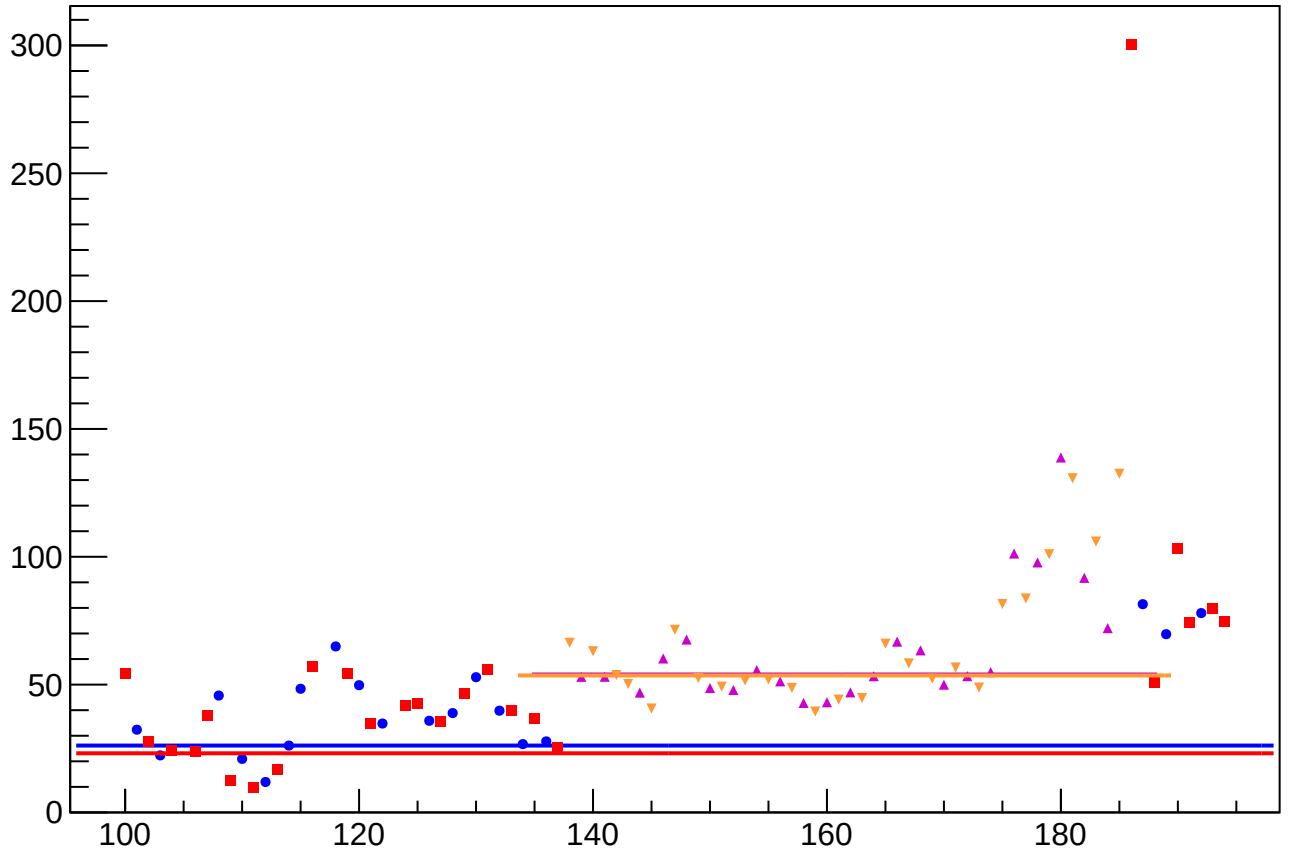
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.005+/-0.007 χ^2/NDF: 39.5/43

In: 0.009+/-0.008 χ^2/NDF:43.1/41

Out: -0.005+/-0.007 χ^2/NDF:40.7/49

All: 0.001+/-0.005 χ^2/NDF: 85.4/91



Right In: 26.164+/-0.007 χ^2/NDF: 3944620.4/18

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 23.138+/-0.006 χ^2/NDF: 7203426.6/24

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

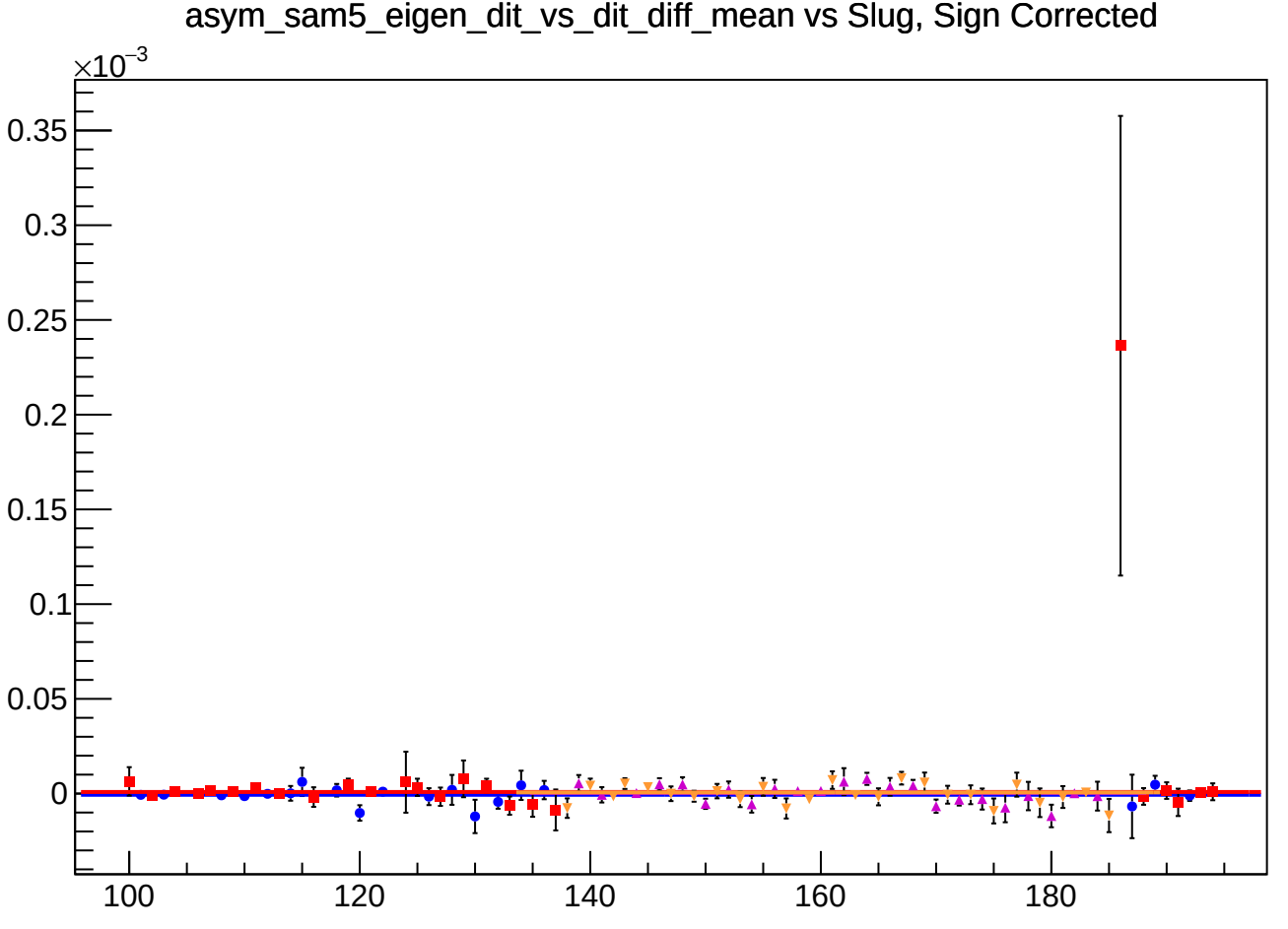
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 24.423+/-0.005 χ^2/NDF: 11245074.5/43

In: 36.842+/-0.006 χ^2/NDF:11452052.9/41

Out: 33.139+/-0.005 χ^2/NDF:17442216.3/49

All: 34.791+/-0.004 χ^2/NDF: 29121438.2/91



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/24

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

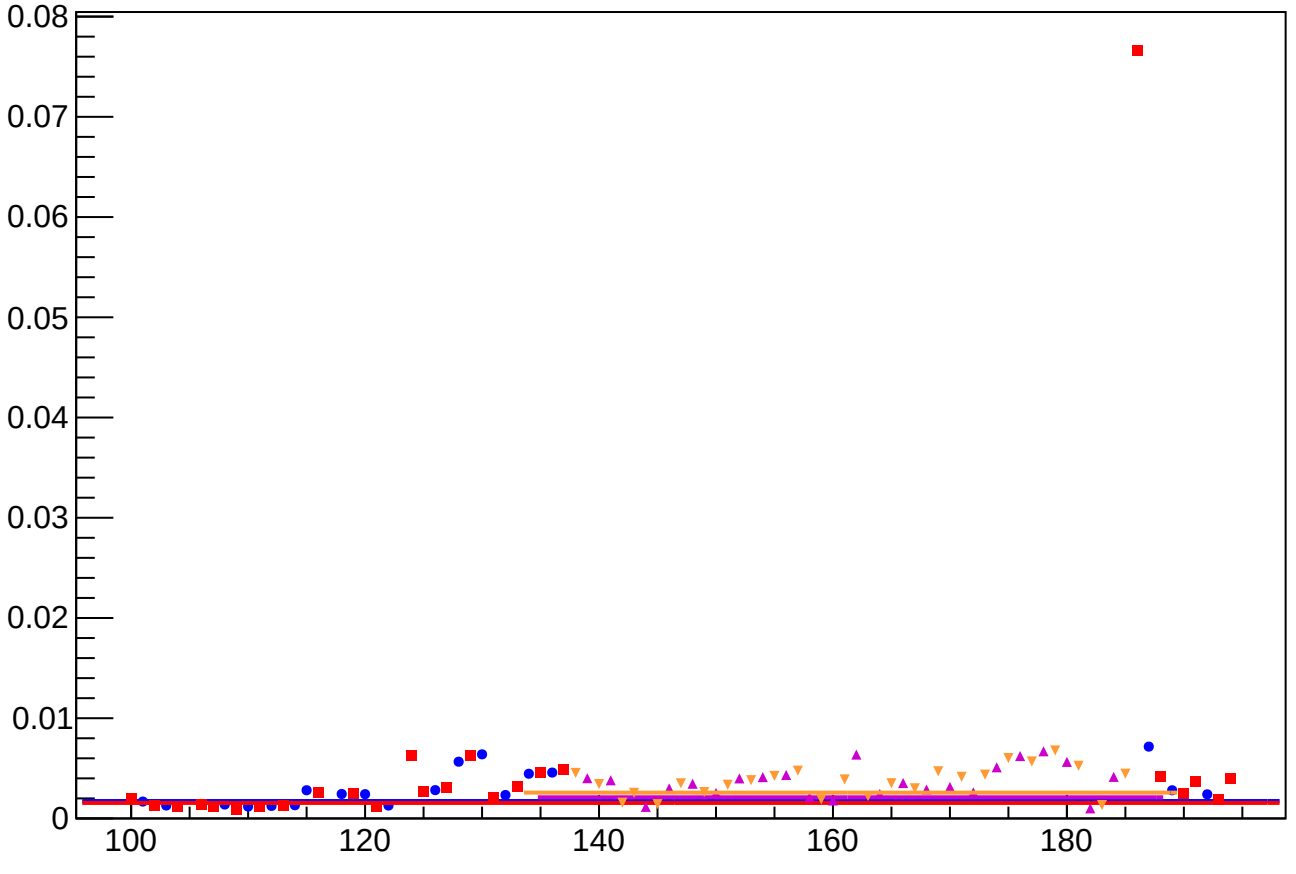
Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

Right: 0.000+/-0.000 χ^2/NDF: 32.2/43

In: -0.000+/-0.000 χ^2/NDF:44.9/41

Out: 0.000+/-0.000 χ^2/NDF:47.6/49

All: 0.000+/-0.000 χ^2/NDF: 94.3/91



Right In: 0.002+/-0.000 χ^2/NDF: 3398801.9/18

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5449885.6/24

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

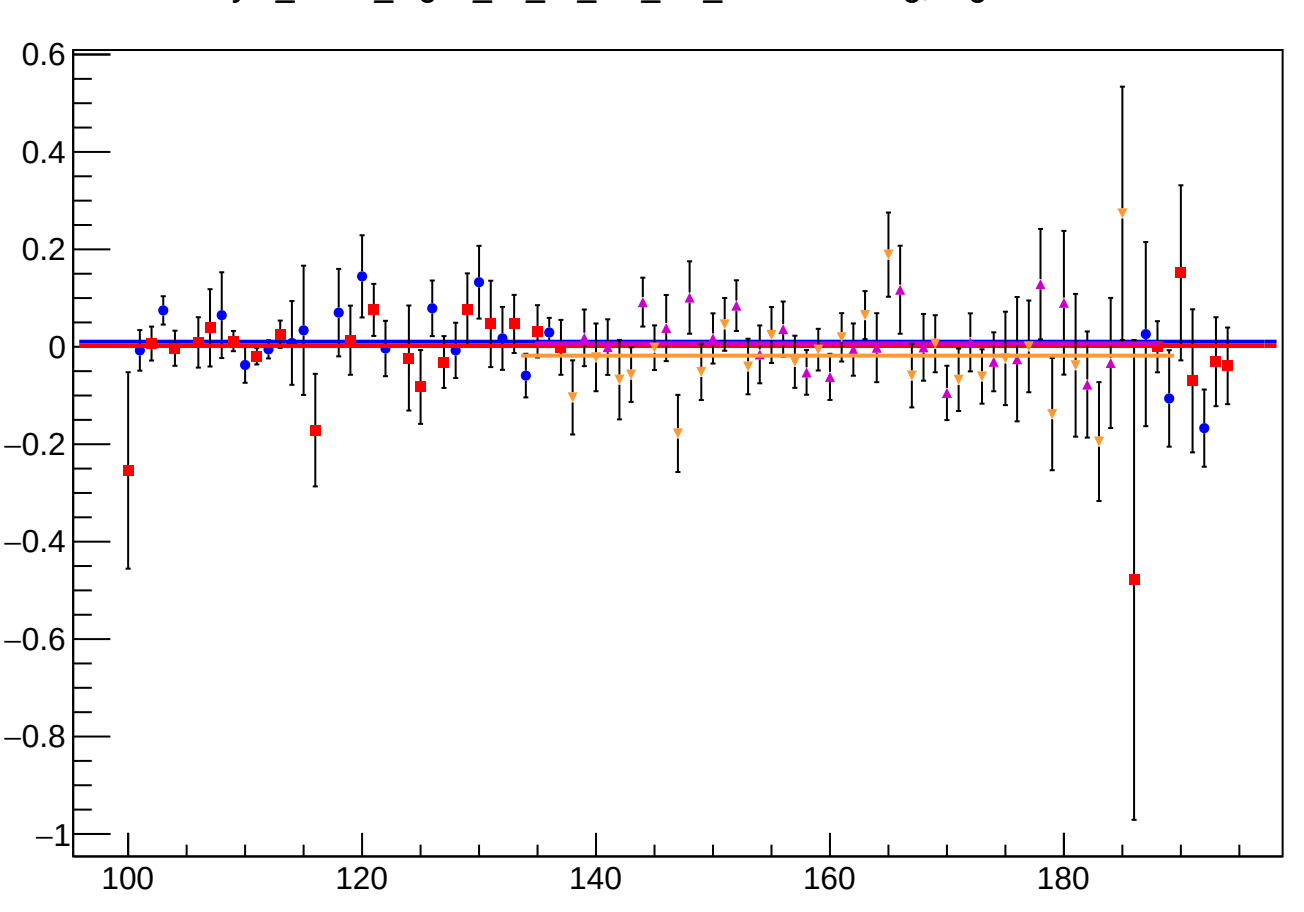
Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

Right: 0.002+/-0.000 χ^2/NDF: 8944554.9/43

In: 0.002+/-0.000 χ^2/NDF:13242492.0/41

Out: 0.002+/-0.000 χ^2/NDF:15409512.9/49

All: 0.002+/-0.000 χ^2/NDF: 28653373.7/91



Right In: 0.010+/-0.010 χ^2/NDF: 24.4/18

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 14.7/24

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

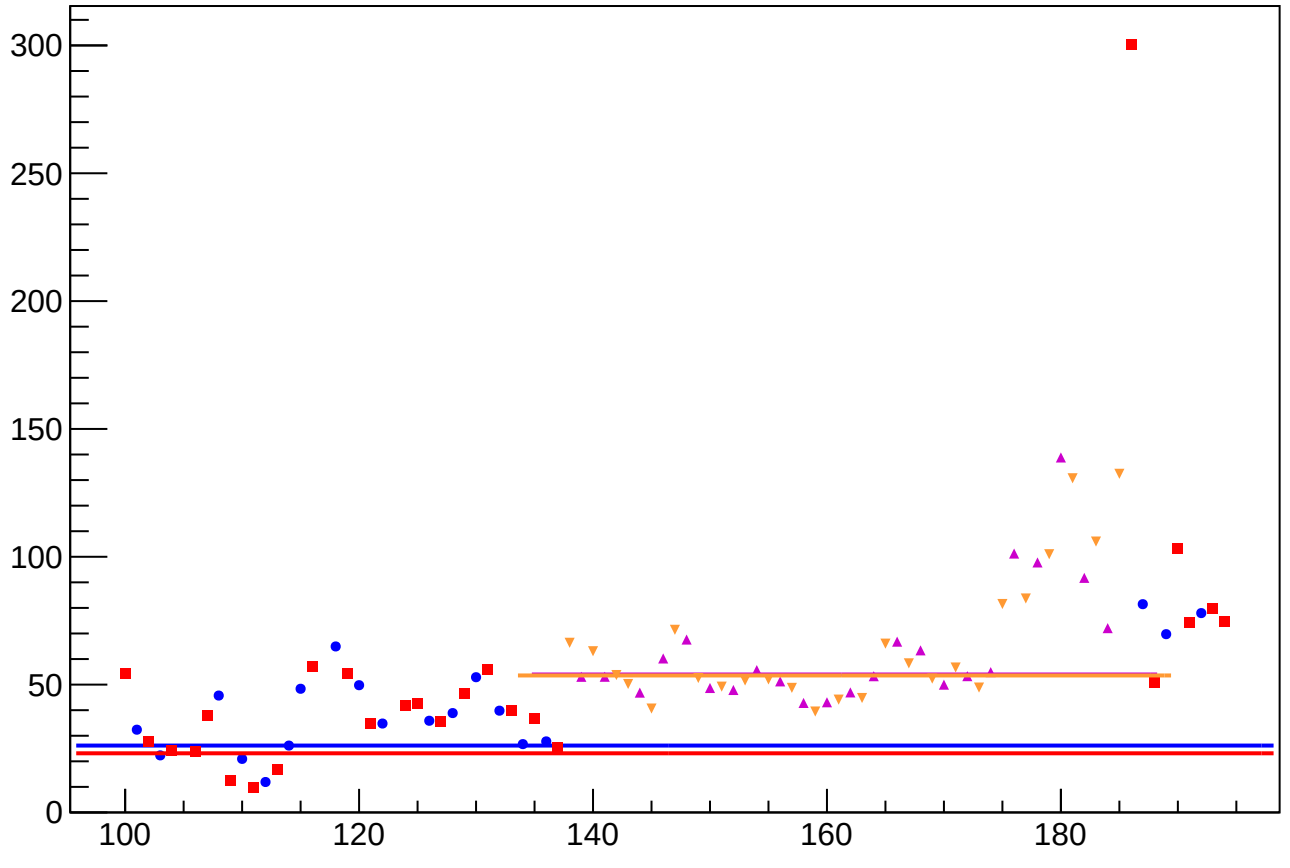
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.005+/-0.007 χ^2/NDF: 39.5/43

In: 0.009+/-0.008 χ^2/NDF:43.1/41

Out: -0.005+/-0.007 χ^2/NDF:40.7/49

All: 0.001+/-0.005 χ^2/NDF: 85.4/91



Right In: 26.163+/-0.007 χ^2/NDF: 3944611.7/18

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 23.137+/-0.006 χ^2/NDF: 7203486.9/24

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

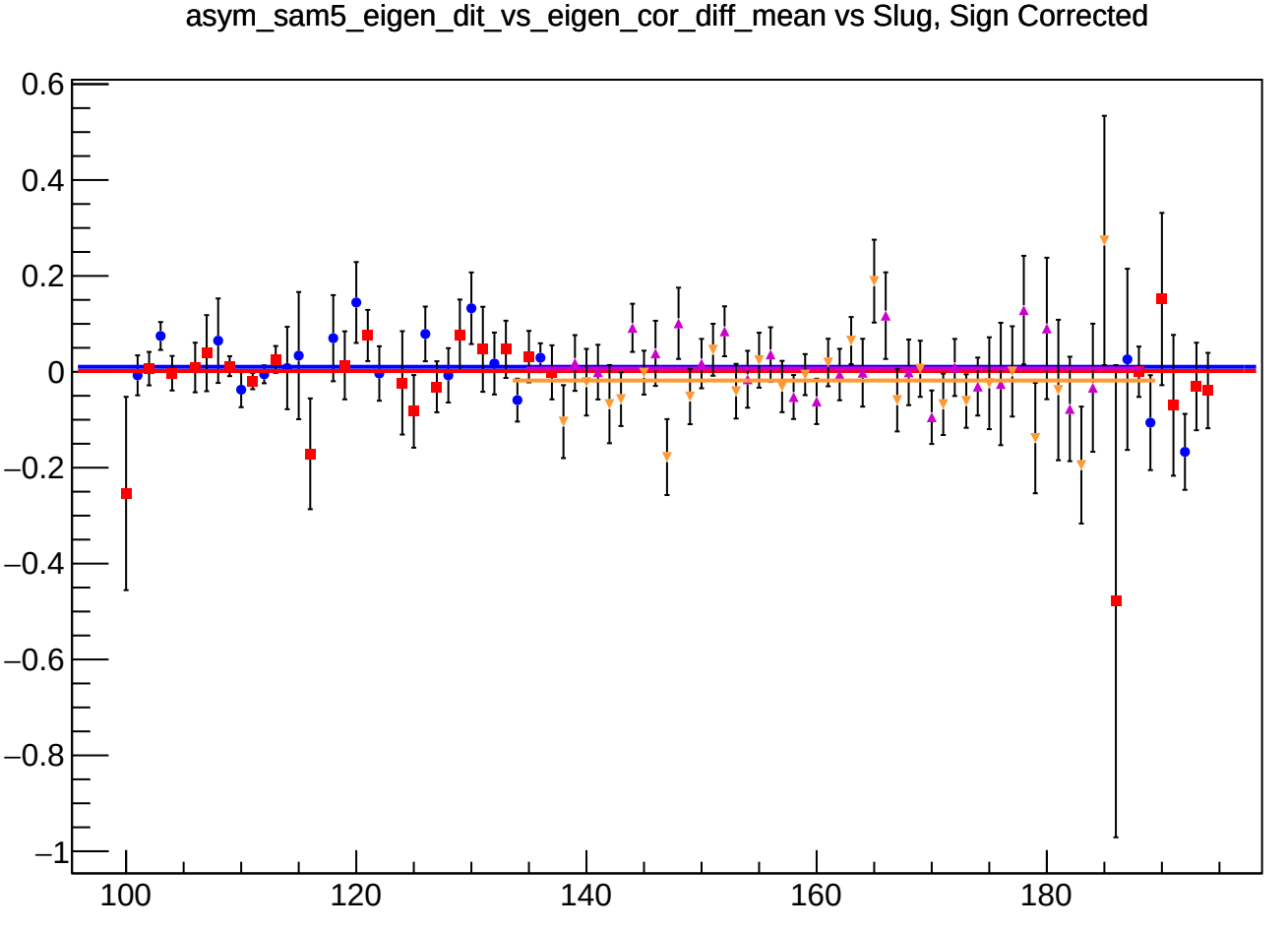
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 24.423+/-0.005 χ^2/NDF: 11245133.1/43

In: 36.841+/-0.006 χ^2/NDF:11452467.2/41

Out: 33.139+/-0.005 χ^2/NDF:17442807.9/49

All: 34.790+/-0.004 χ^2/NDF: 29122459.6/91



Right In: 0.010+/-0.010 χ^2/NDF: 24.4/18

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 14.7/24

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

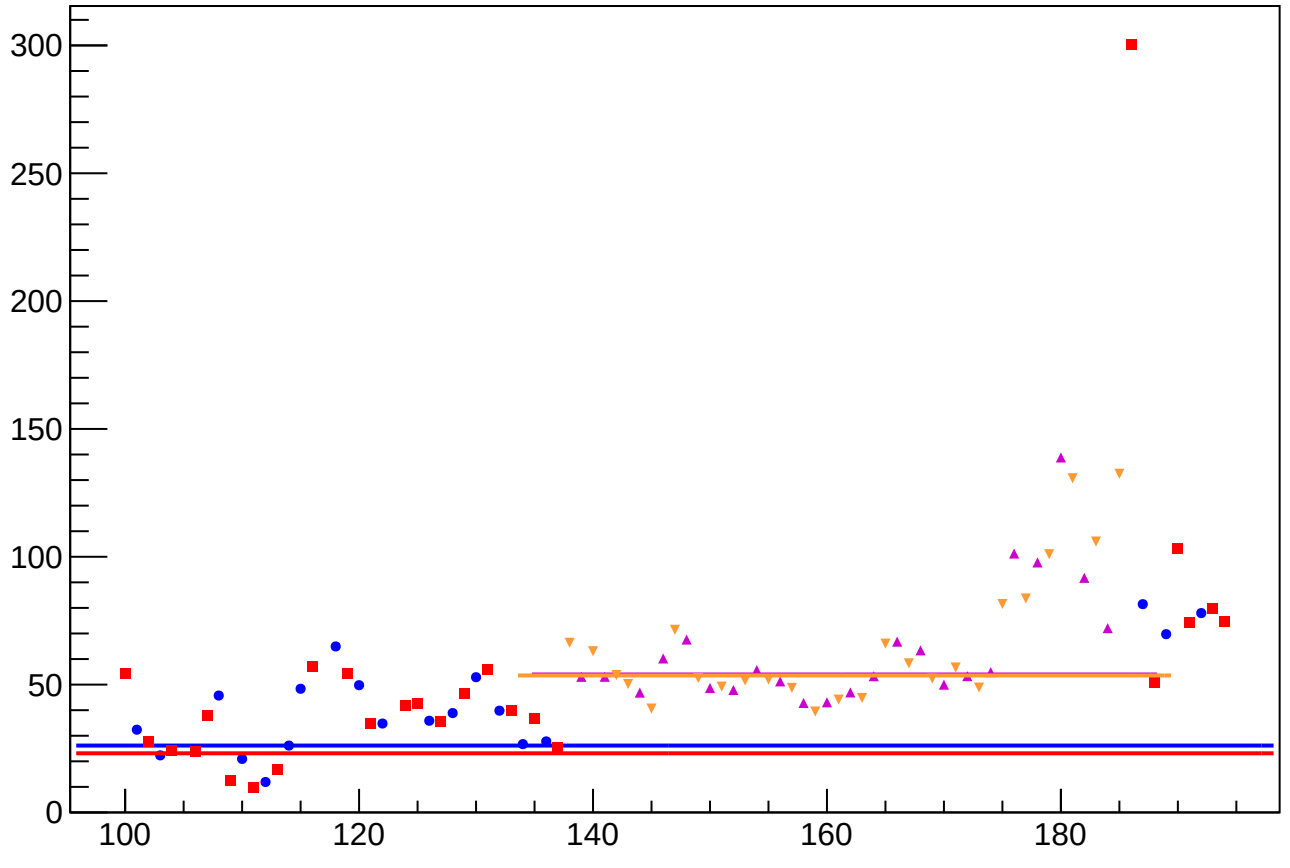
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.005+/-0.007 χ^2/NDF: 39.5/43

In: 0.009+/-0.008 χ^2/NDF:43.1/41

Out: -0.005+/-0.007 χ^2/NDF:40.7/49

All: 0.001+/-0.005 χ^2/NDF: 85.4/91



Right In: 26.163+/-0.007 χ^2/NDF: 3944611.7/18

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 23.137+/-0.006 χ^2/NDF: 7203486.9/24

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

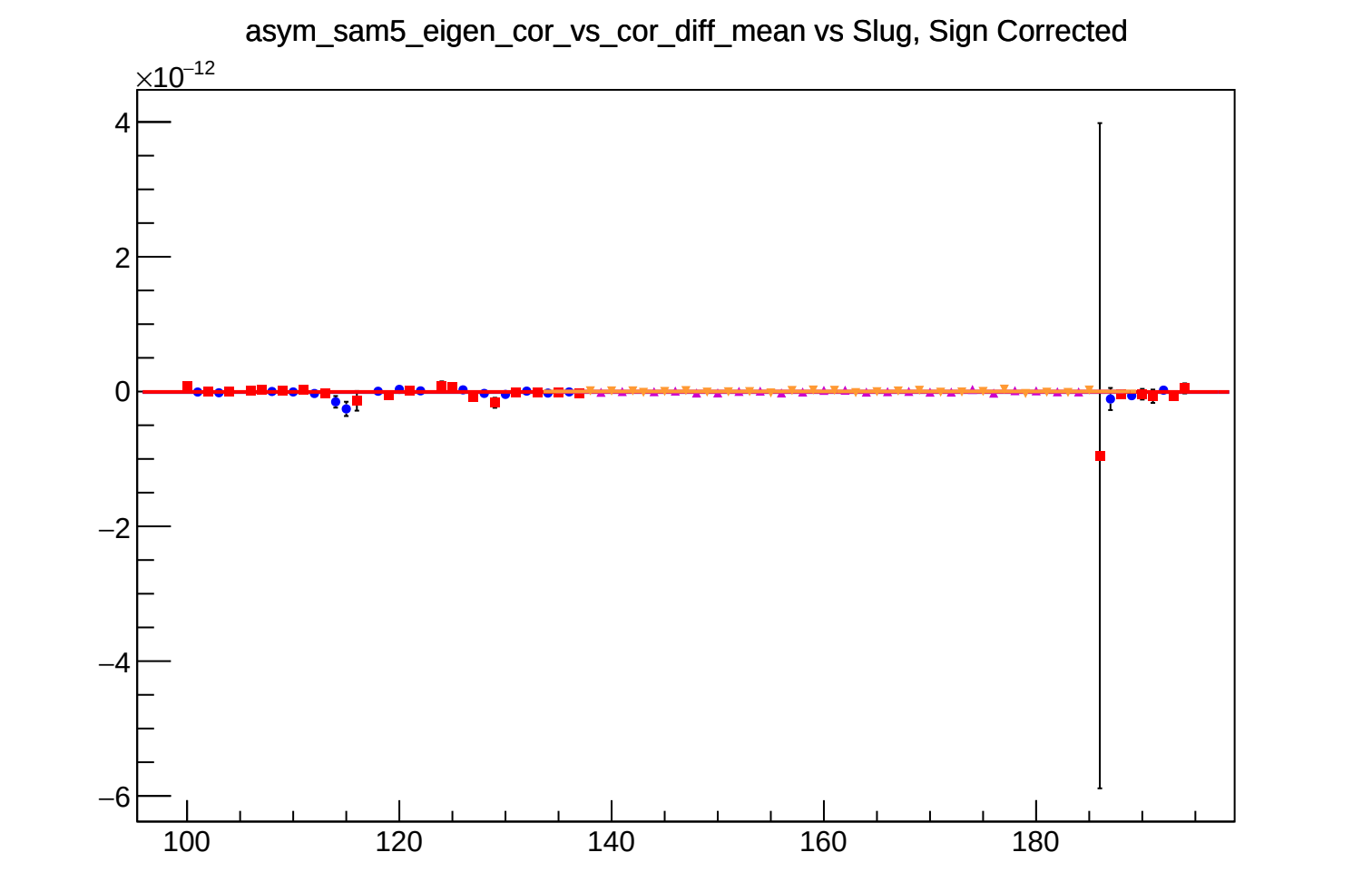
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 24.423+/-0.005 χ^2/NDF: 11245133.1/43

In: 36.841+/-0.006 χ^2/NDF:11452467.2/41

Out: 33.139+/-0.005 χ^2/NDF:17442807.9/49

All: 34.790+/-0.004 χ^2/NDF: 29122459.6/91



Right In: -0.000+/-0.000 χ^2/NDF: 16.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.1/24

Left In: -0.000+/-0.000 χ^2/NDF:18.1/22

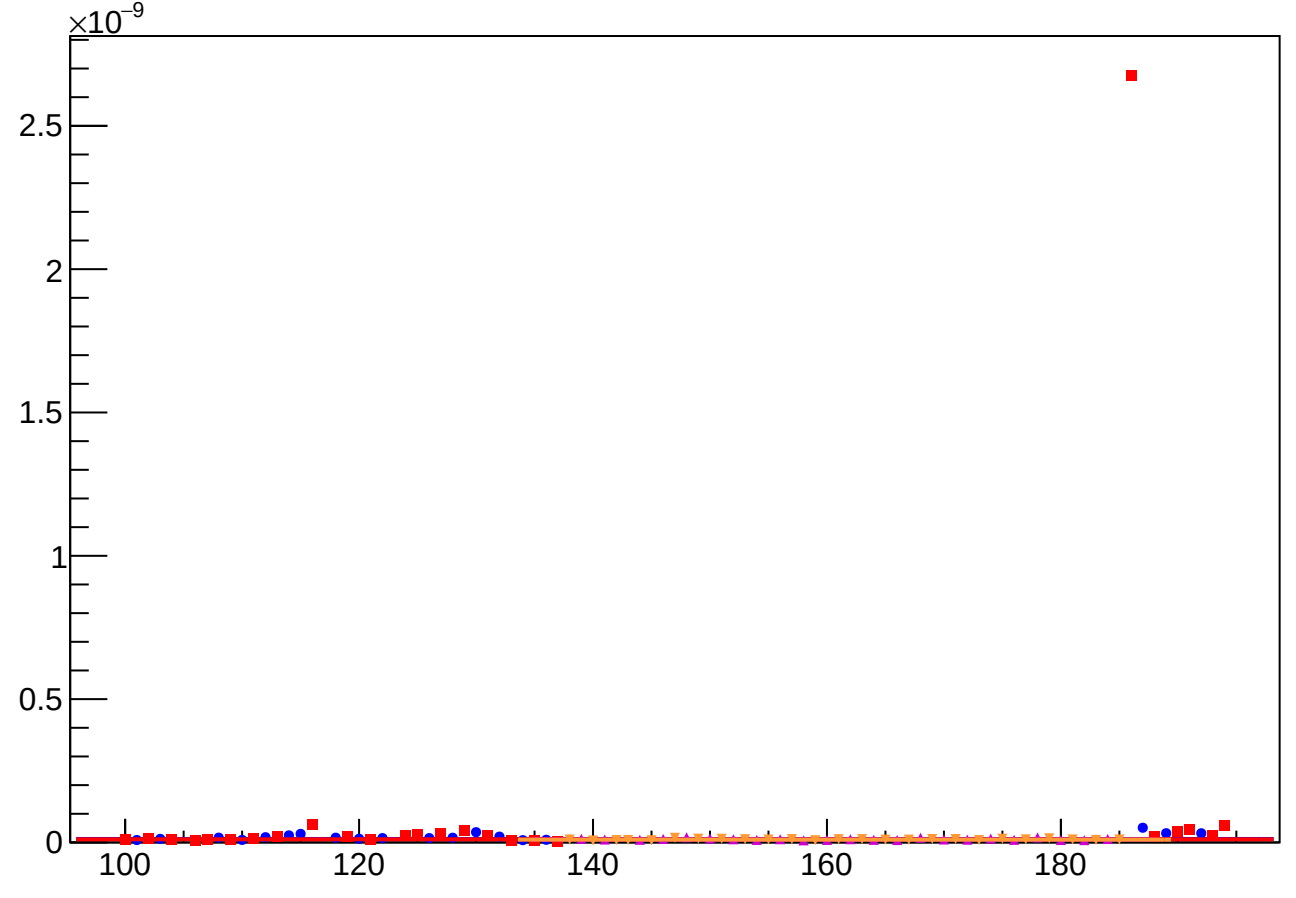
Left: 0.000+/-0.000 χ^2/NDF: 45.7/47

Right: -0.000+/-0.000 χ^2/NDF: 48.5/43

In: -0.000+/-0.000 χ^2/NDF:35.7/41

Out: -0.000+/-0.000 χ^2/NDF:60.9/49

All: -0.000+/-0.000 χ^2/NDF: 96.9/91



Right In: 0.000+/-0.000 χ^2/NDF: 2001654.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5149121.3/24

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

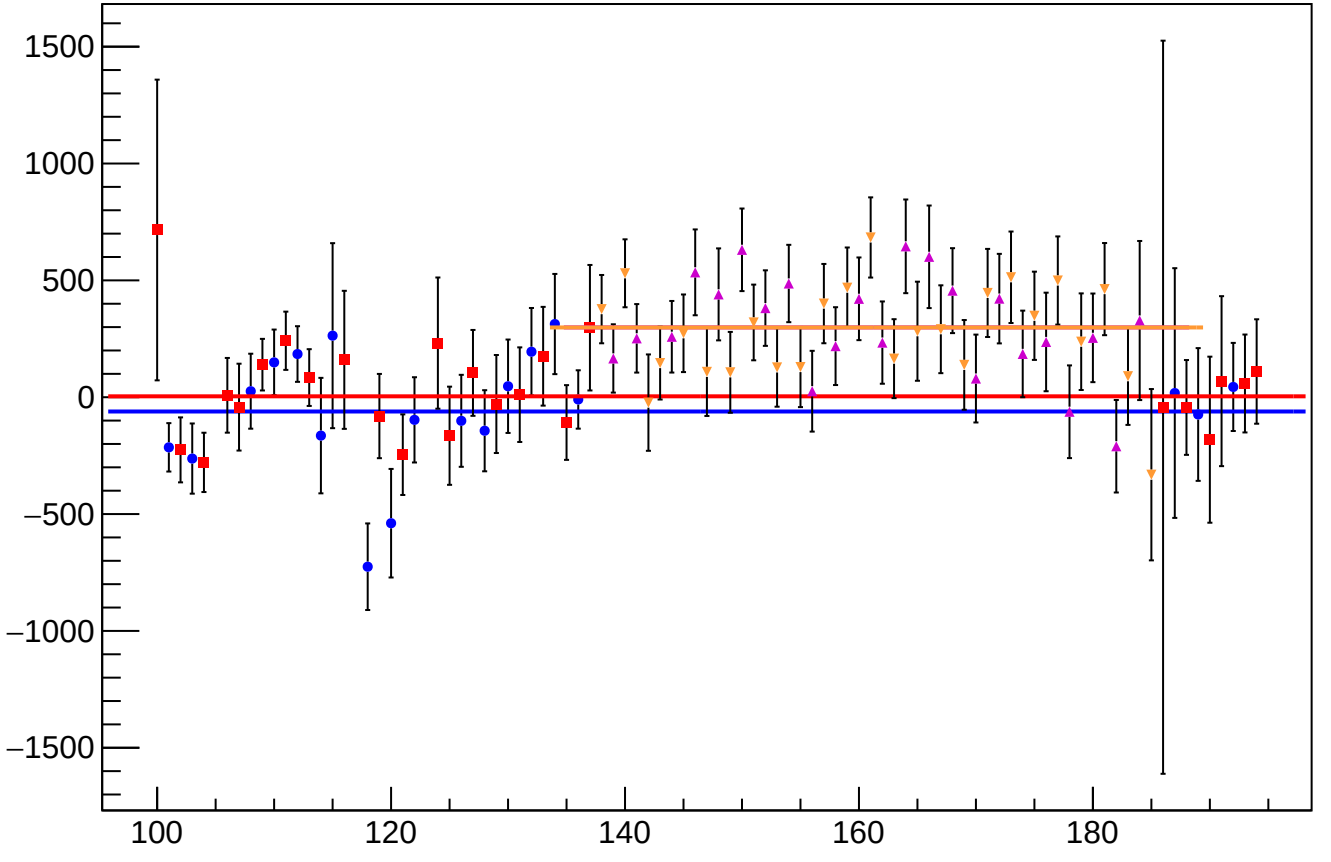
Right: 0.000+/-0.000 χ^2/NDF: 7200458.0/43

In: 0.000+/-0.000 χ^2/NDF:3500108.3/41

Out: 0.000+/-0.000 χ^2/NDF:6417708.2/49

All: 0.000+/-0.000 χ^2/NDF: 9957253.3/91

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -61.080+/-39.505 χ^2/NDF: 34.7/18

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: 3.863+/-36.637 χ^2/NDF: 21.8/24

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

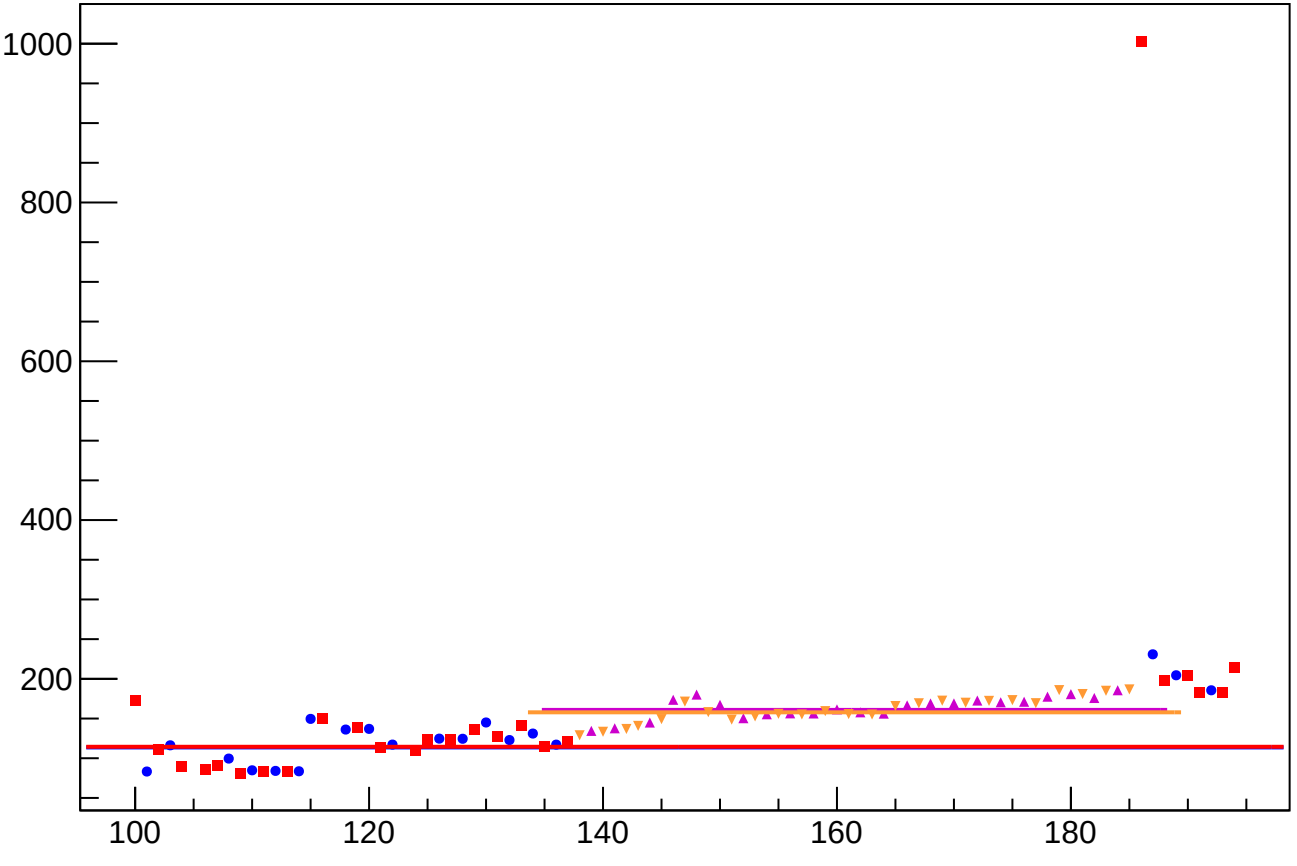
Right: -26.166+/-26.863 χ^2/NDF: 58.0/43

In: 127.077+/-27.284 χ^2/NDF:107.6/41

Out: 153.567+/-25.697 χ^2/NDF:80.6/49

All: 141.115+/-18.706 χ^2/NDF: 188.7/91

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 113.615+/-0.028 χ^2/NDF: 1168201.2/18

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 114.424+/-0.026 χ^2/NDF: 2571900.3/24

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

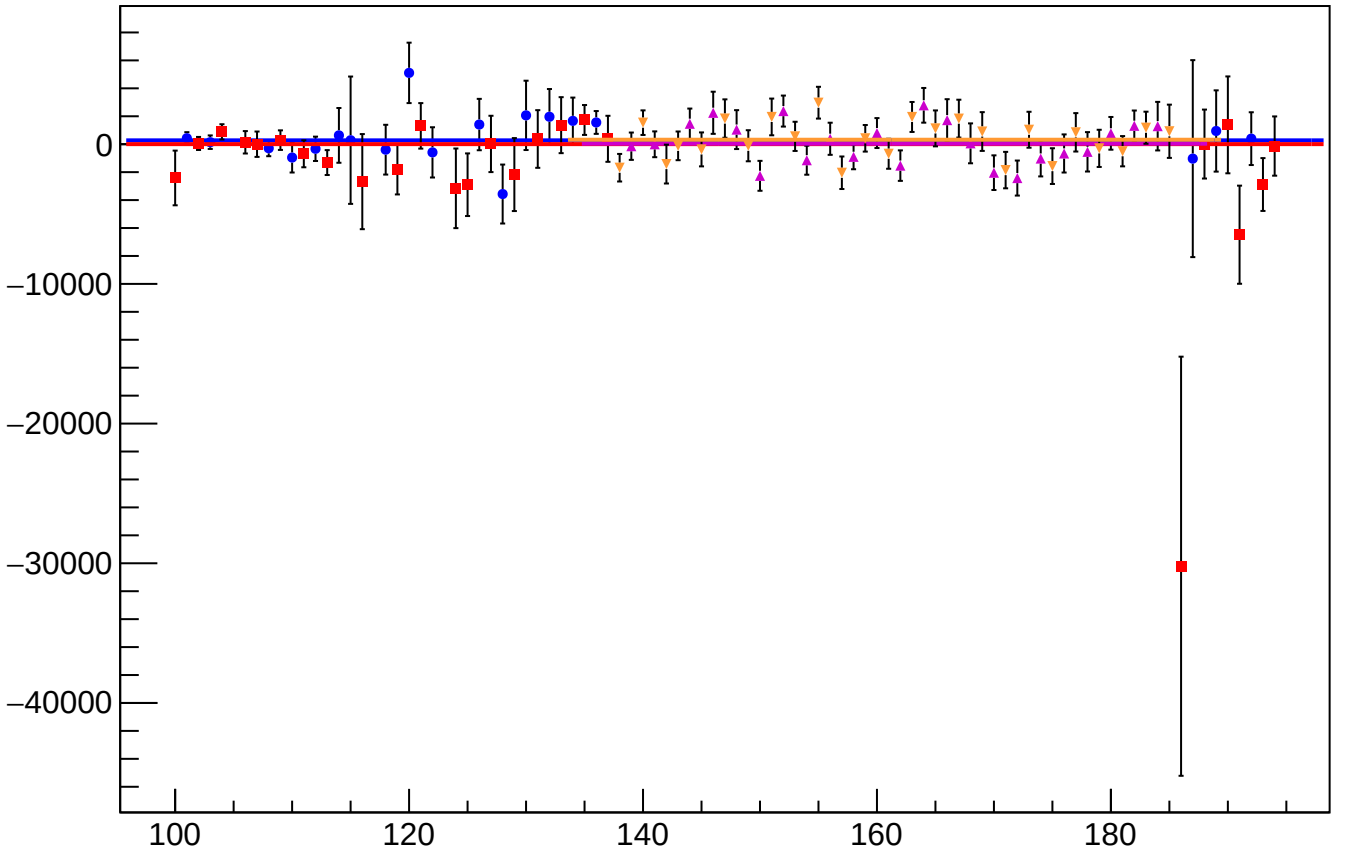
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 114.050+/-0.019 χ^2/NDF: 3740552.2/43

In: 138.333+/-0.019 χ^2/NDF:2933455.2/41

Out: 136.481+/-0.018 χ^2/NDF:4375789.3/49

All: 137.351+/-0.013 χ^2/NDF: 7314127.8/91



Right In: 276.142+/-228.137 χ^2/NDF: 16.6/18

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: 5.555+/-227.102 χ^2/NDF: 26.1/24

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

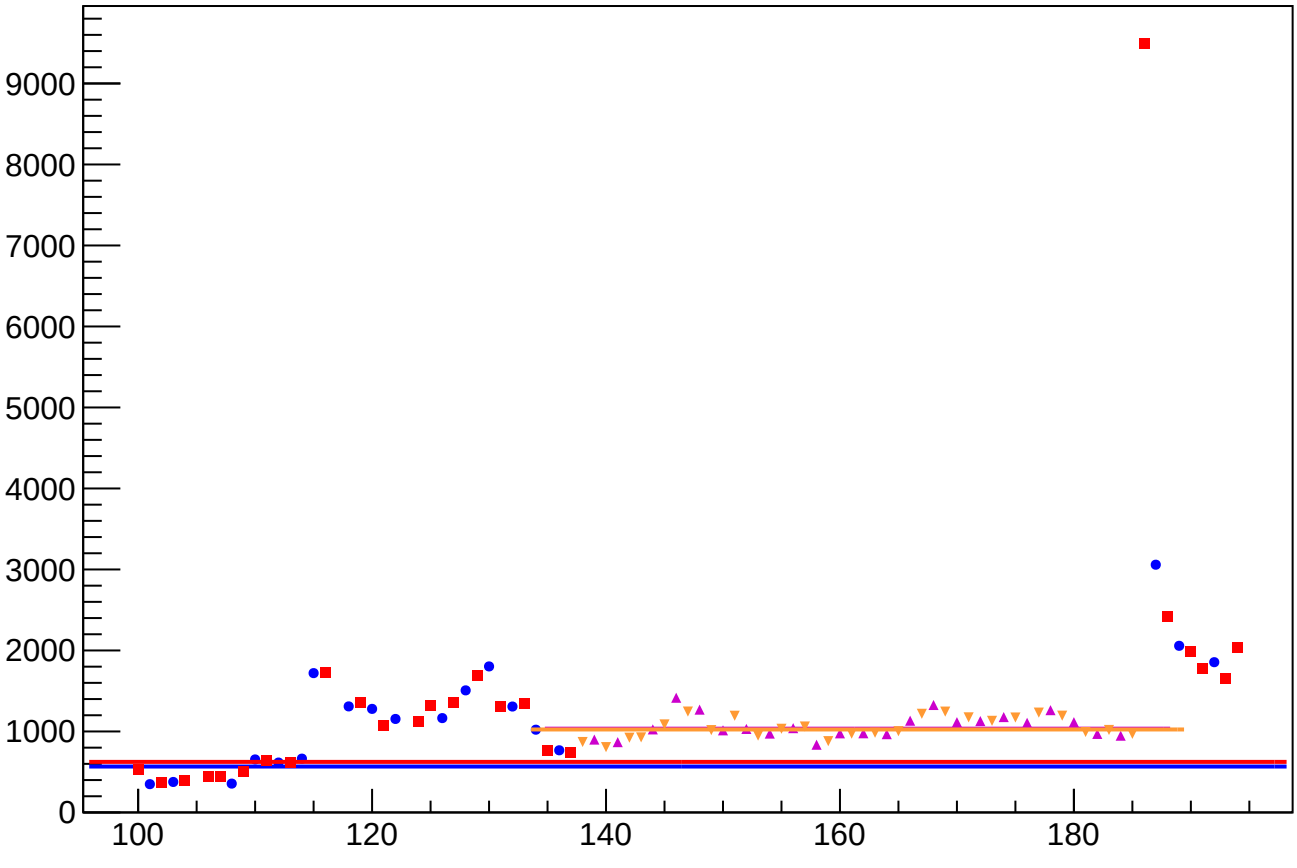
Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

Right: 140.234+/-160.950 χ^2/NDF: 43.4/43

In: 165.697+/-166.693 χ^2/NDF:51.9/41

Out: 157.323+/-163.334 χ^2/NDF:59.5/49

All: 161.425+/-116.664 χ^2/NDF: 111.4/91



Right In: 566.929+/-0.161 χ^2/NDF: 5374126.8/18

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 624.372+/-0.161 χ^2/NDF: 7004470.8/24

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

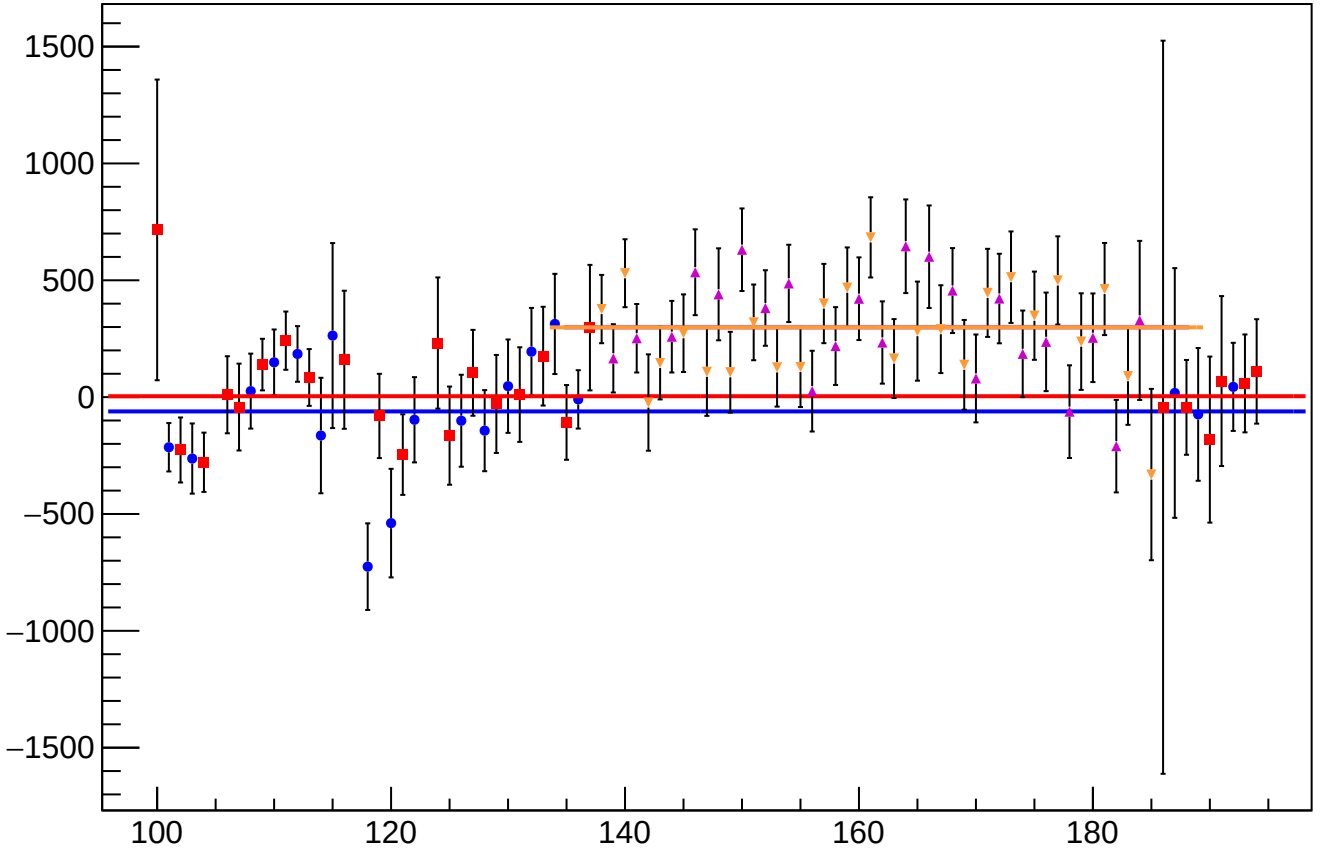
Right: 595.781+/-0.114 χ^2/NDF: 12442286.1/43

In: 784.839+/-0.118 χ^2/NDF:9917310.0/41

Out: 817.525+/-0.115 χ^2/NDF:10599046.7/49

All: 801.515+/-0.082 χ^2/NDF: 20555587.1/91

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -61.105+/-39.505 χ^2/NDF: 34.8/18

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 3.908+/-36.696 χ^2/NDF: 21.8/24

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

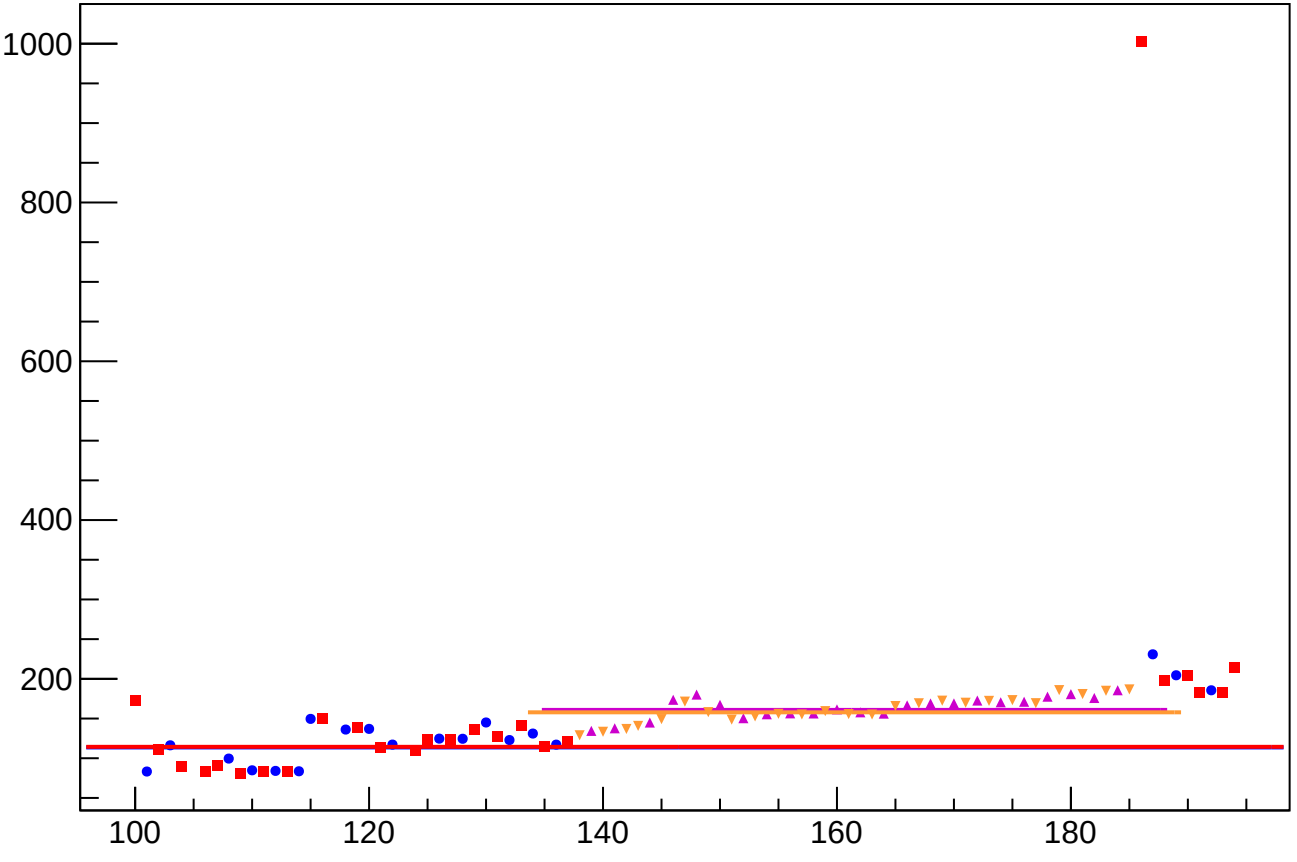
Right: -26.205+/-26.886 χ^2/NDF: 58.0/43

In: 127.069+/-27.284 χ^2/NDF:107.6/41

Out: 153.826+/-25.717 χ^2/NDF:80.6/49

All: 141.238+/-18.714 χ^2/NDF: 188.6/91

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 113.616+/-0.028 χ^2/NDF: 1168201.5/18

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 114.360+/-0.026 χ^2/NDF: 2581967.3/24

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

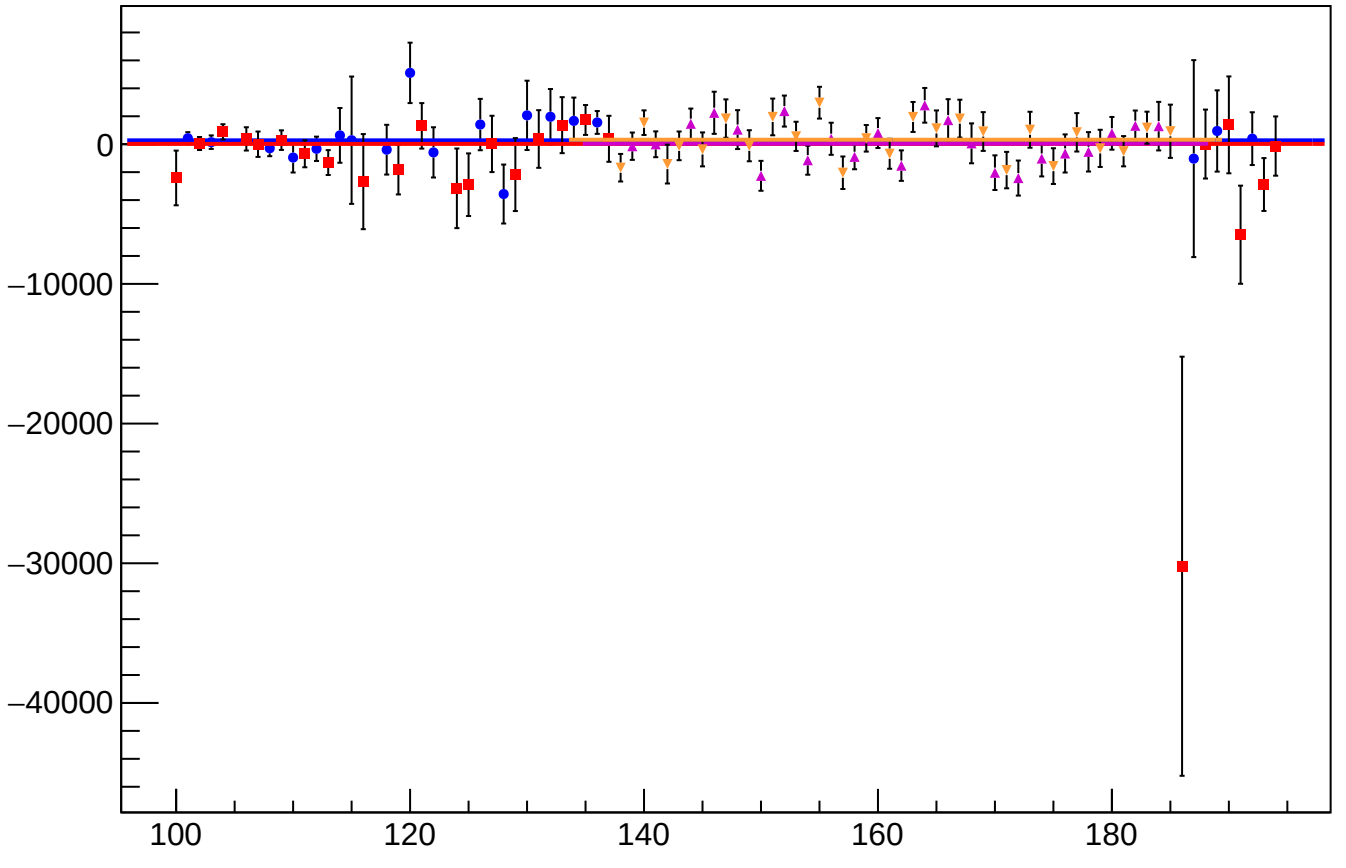
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 114.015+/-0.019 χ^2/NDF: 3750549.7/43

In: 138.333+/-0.019 χ^2/NDF:2933451.8/41

Out: 136.484+/-0.018 χ^2/NDF:4387778.5/49

All: 137.353+/-0.013 χ^2/NDF: 7326094.3/91



Right In: 276.280+/-228.130 χ^2/NDF: 16.6/18

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 22.152+/-227.689 χ^2/NDF: 26.3/24

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

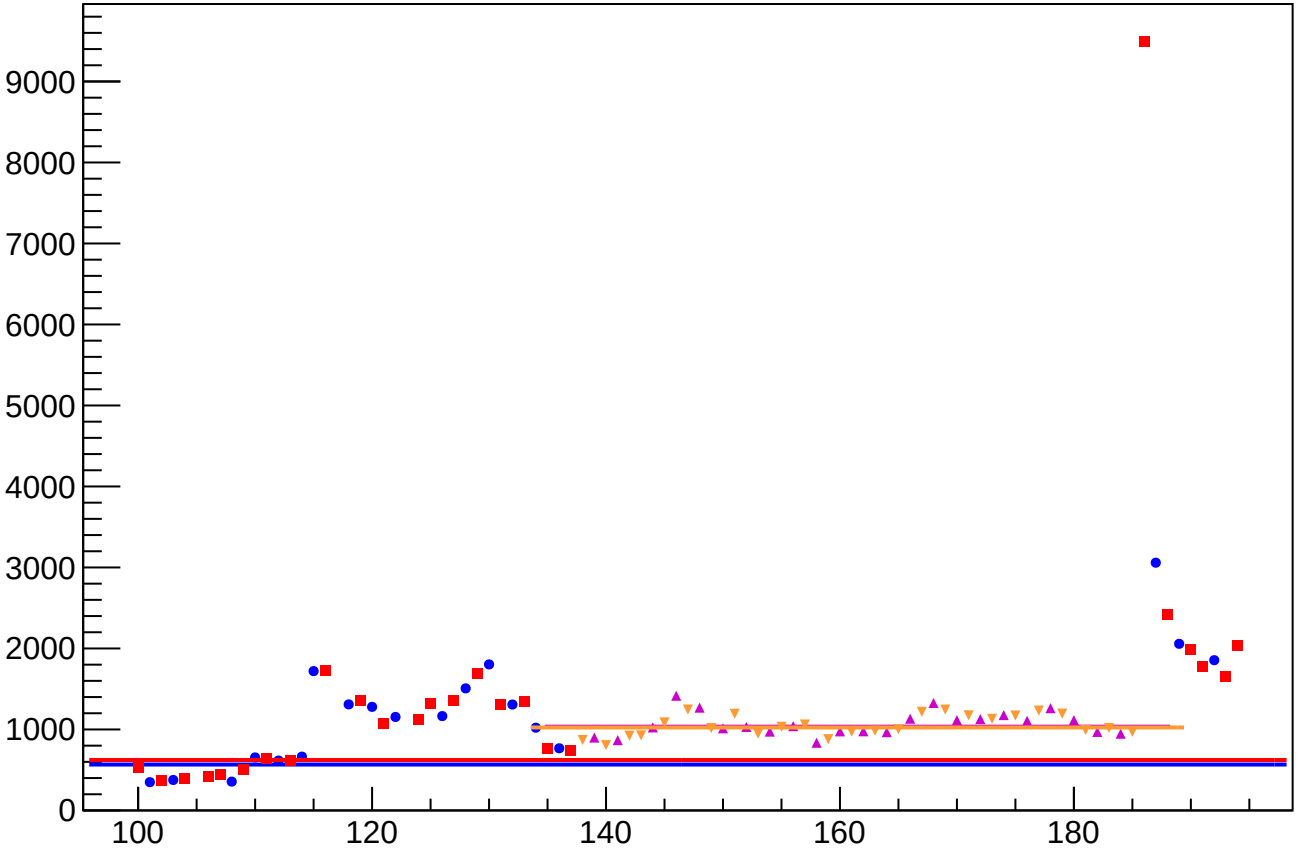
Right: 148.970+/-161.156 χ^2/NDF: 43.4/43

In: 165.775+/-166.690 χ^2/NDF:51.9/41

Out: 166.295+/-163.552 χ^2/NDF:59.6/49

All: 166.040+/-116.742 χ^2/NDF: 111.5/91

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



Right In: 566.906+/-0.161 χ^2/NDF: 5374379.4/18

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 623.183+/-0.161 χ^2/NDF: 7030635.9/24

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

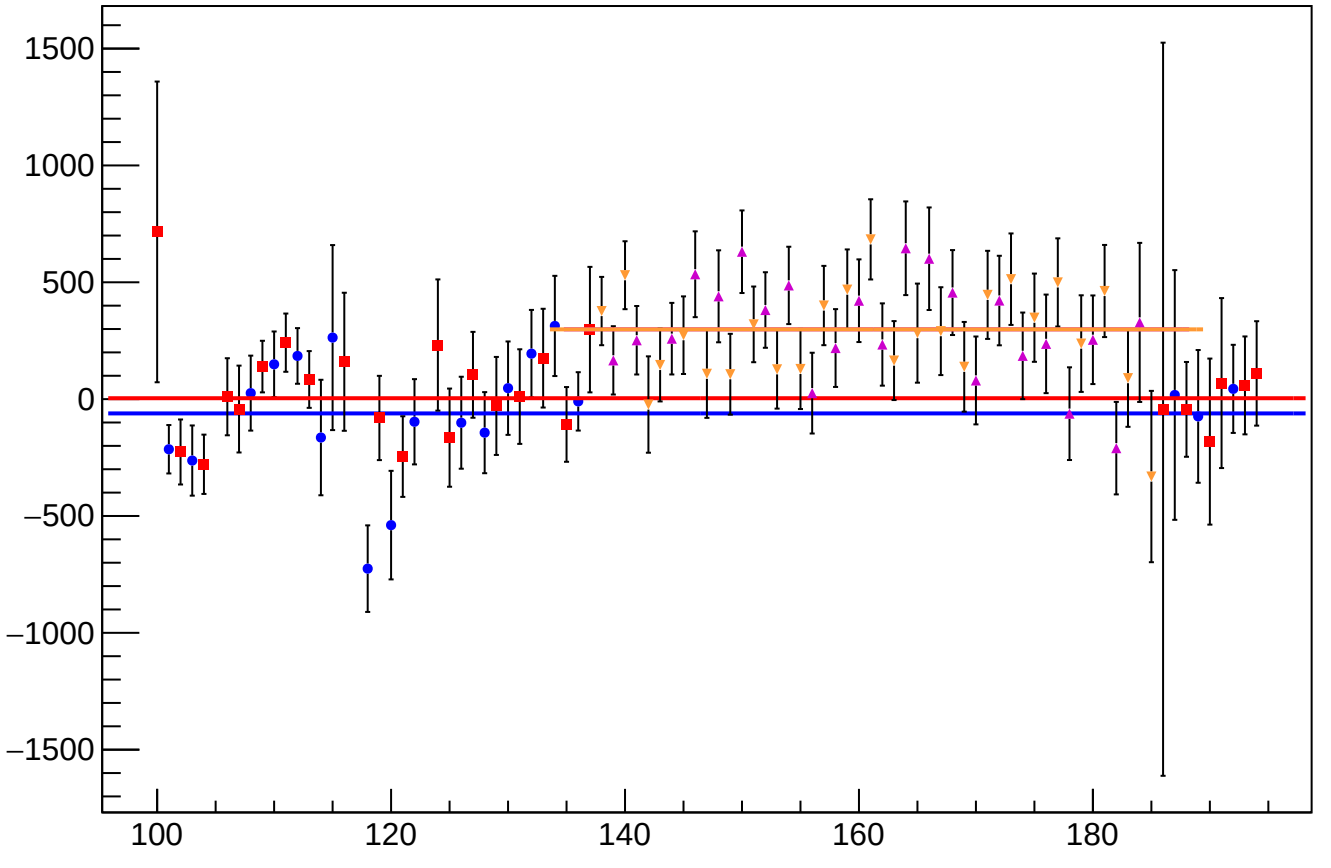
Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

Right: 595.099+/-0.114 χ^2/NDF: 12465990.1/43

In: 784.820+/-0.118 χ^2/NDF:9918059.0/41

Out: 817.427+/-0.116 χ^2/NDF:10635540.5/49

All: 801.433+/-0.083 χ^2/NDF: 20592591.2/91



Right In: -61.105+/-39.505 χ^2/NDF: 34.8/18

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 3.908+/-36.696 χ^2/NDF: 21.8/24

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

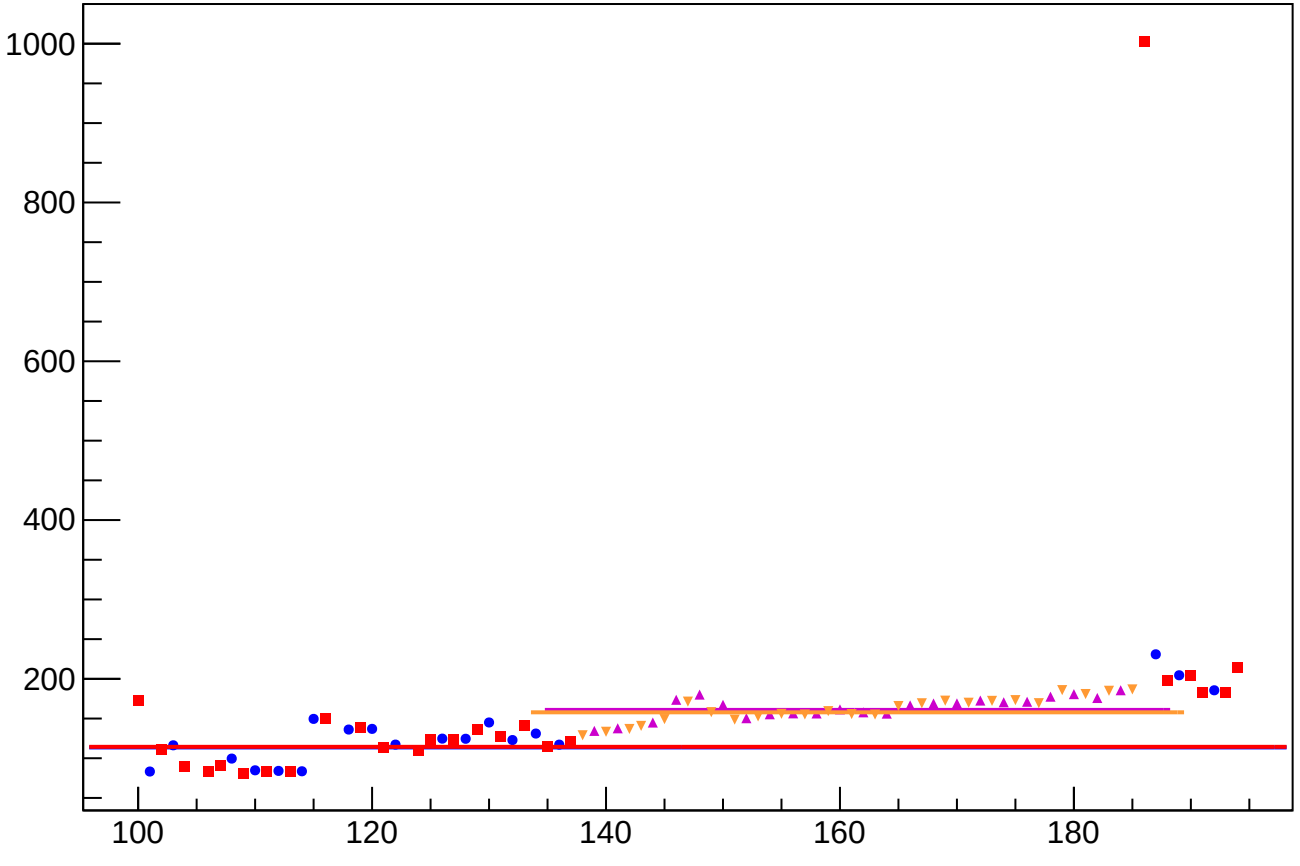
Right: -26.205+/-26.886 χ^2/NDF: 58.0/43

In: 127.069+/-27.284 χ^2/NDF:107.6/41

Out: 153.826+/-25.717 χ^2/NDF:80.6/49

All: 141.238+/-18.714 χ^2/NDF: 188.6/91

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 113.616+/-0.028 χ^2/NDF: 1168201.5/18

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 114.360+/-0.026 χ^2/NDF: 2581967.3/24

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

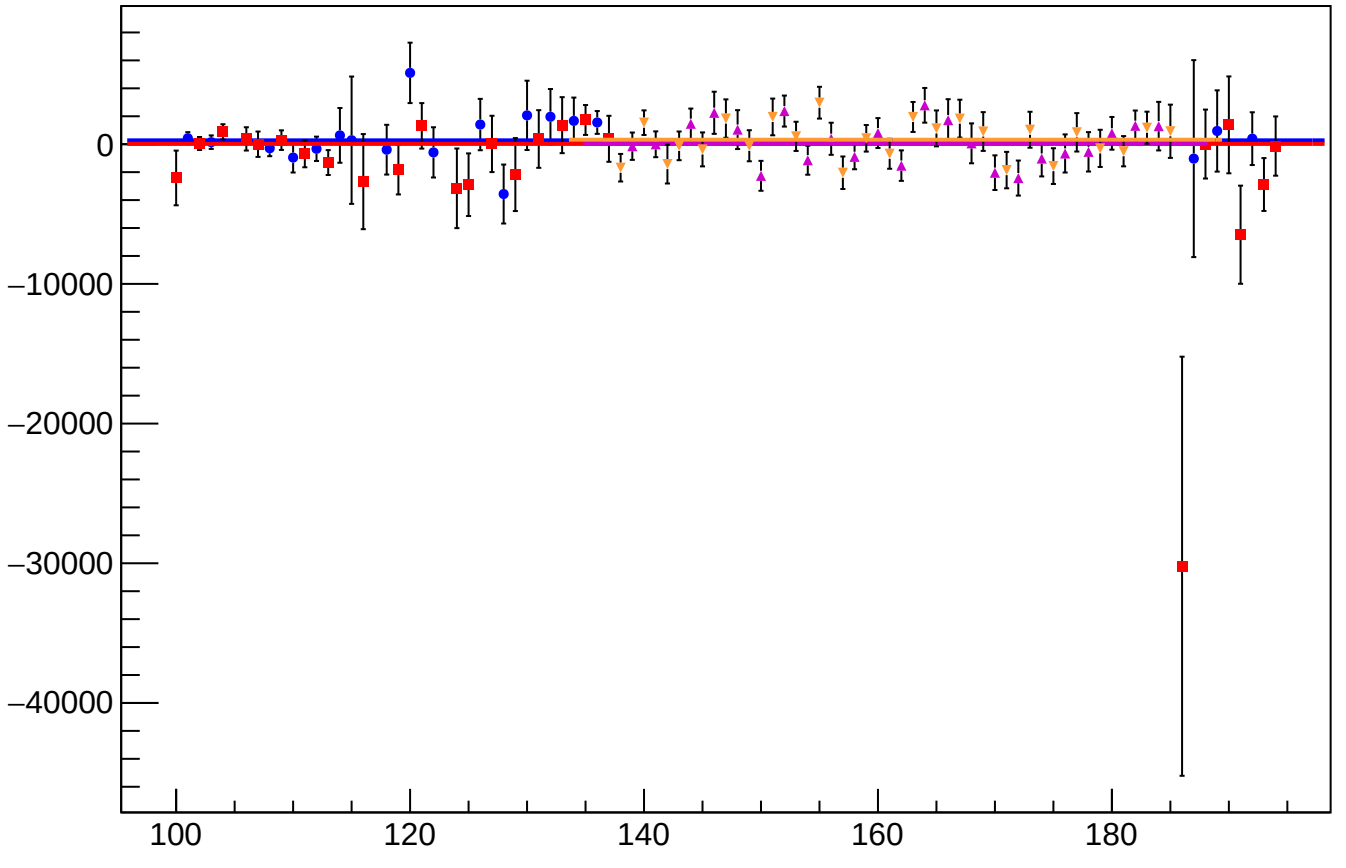
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 114.015+/-0.019 χ^2/NDF: 3750549.7/43

In: 138.333+/-0.019 χ^2/NDF:2933451.8/41

Out: 136.484+/-0.018 χ^2/NDF:4387778.5/49

All: 137.353+/-0.013 χ^2/NDF: 7326094.3/91



Right In: 276.280+/-228.130 χ^2/NDF: 16.6/18

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 22.152+/-227.689 χ^2/NDF: 26.3/24

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

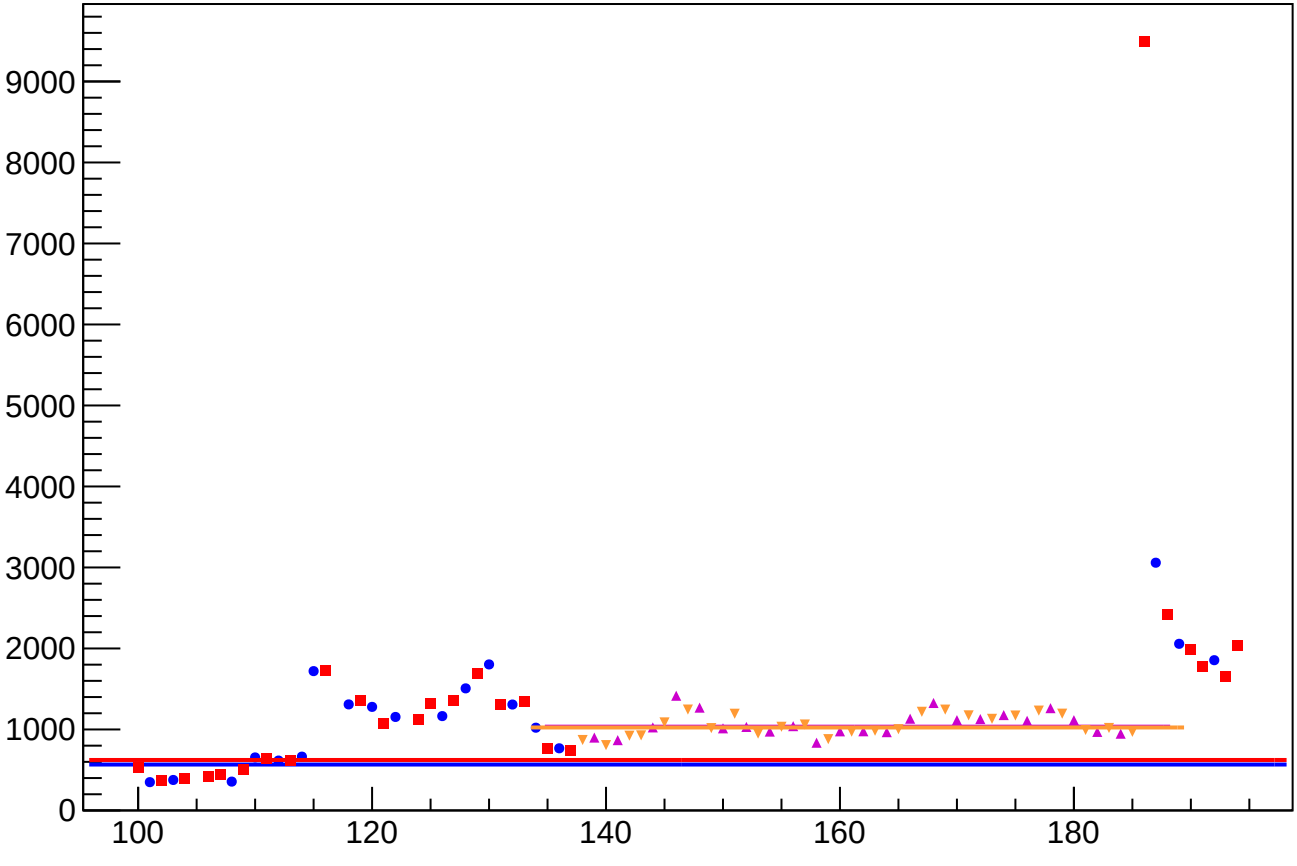
Right: 148.970+/-161.156 χ^2/NDF: 43.4/43

In: 165.775+/-166.690 χ^2/NDF:51.9/41

Out: 166.295+/-163.552 χ^2/NDF:59.6/49

All: 166.040+/-116.742 χ^2/NDF: 111.5/91

asym_sam6_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 566.906+/-0.161 χ^2/NDF: 5374379.4/18

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 623.183+/-0.161 χ^2/NDF: 7030635.9/24

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

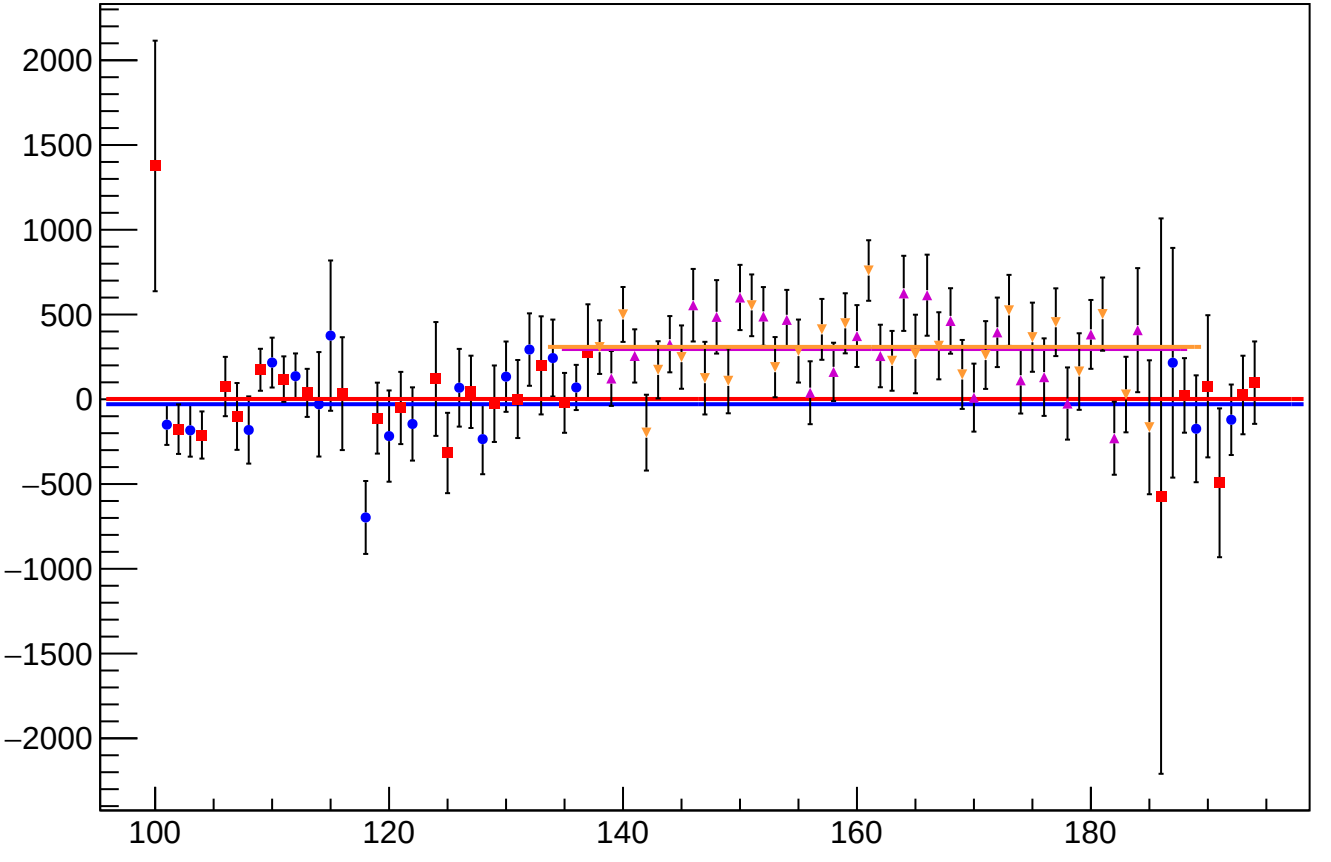
Right: 595.099+/-0.114 χ^2/NDF: 12465990.1/43

In: 784.820+/-0.118 χ^2/NDF:9918059.0/41

Out: 817.427+/-0.116 χ^2/NDF:10635540.5/49

All: 801.433+/-0.083 χ^2/NDF: 20592591.2/91

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -29.105+/-44.287 χ^2/NDF: 24.7/18

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: 1.870+/-41.016 χ^2/NDF: 15.9/24

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

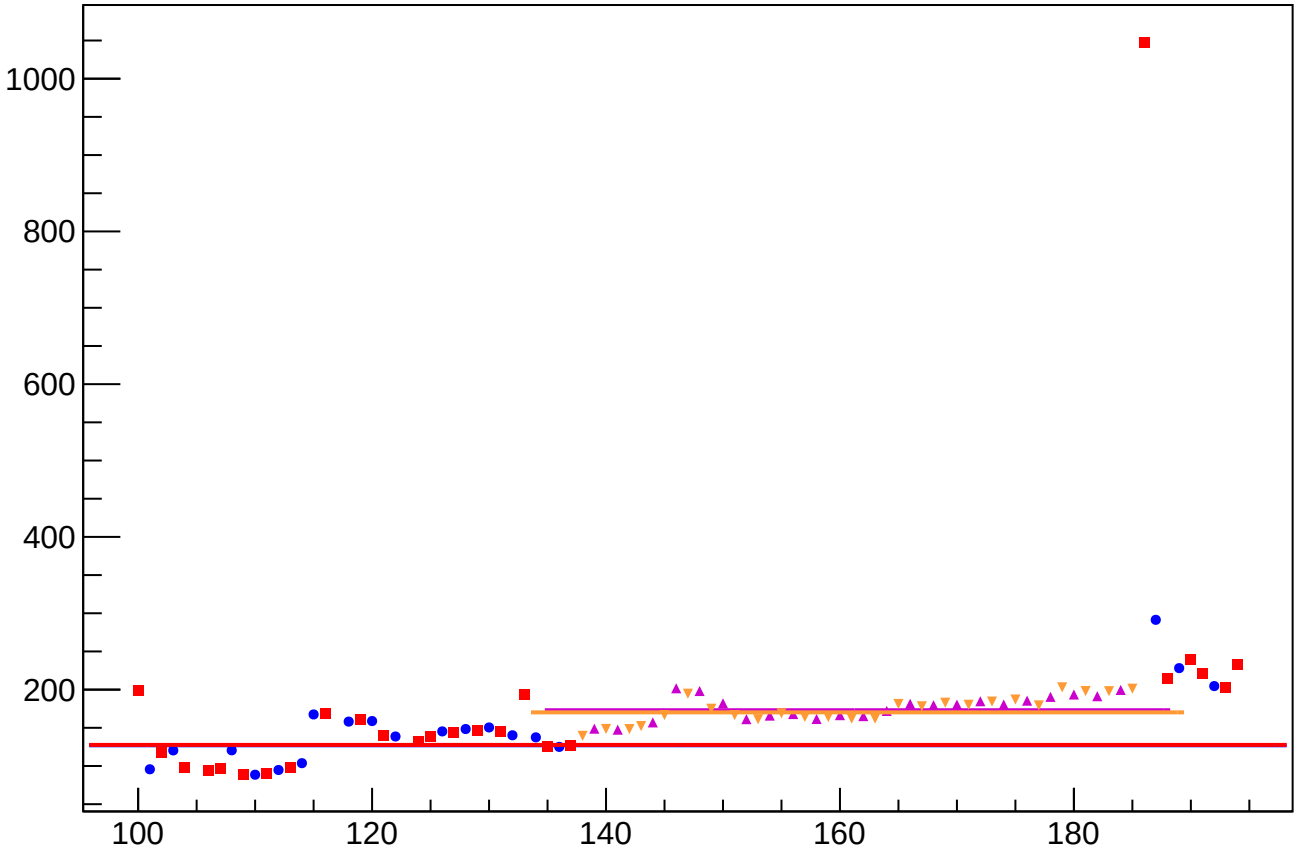
Right: -12.431+/-30.093 χ^2/NDF: 40.9/43

In: 147.784+/-29.930 χ^2/NDF:81.9/41

Out: 163.576+/-28.225 χ^2/NDF:71.0/49

All: 156.143+/-20.534 χ^2/NDF: 153.0/91

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 127.135+/-0.031 χ^2/NDF: 1173631.0/18

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 127.612+/-0.029 χ^2/NDF: 2693073.0/24

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

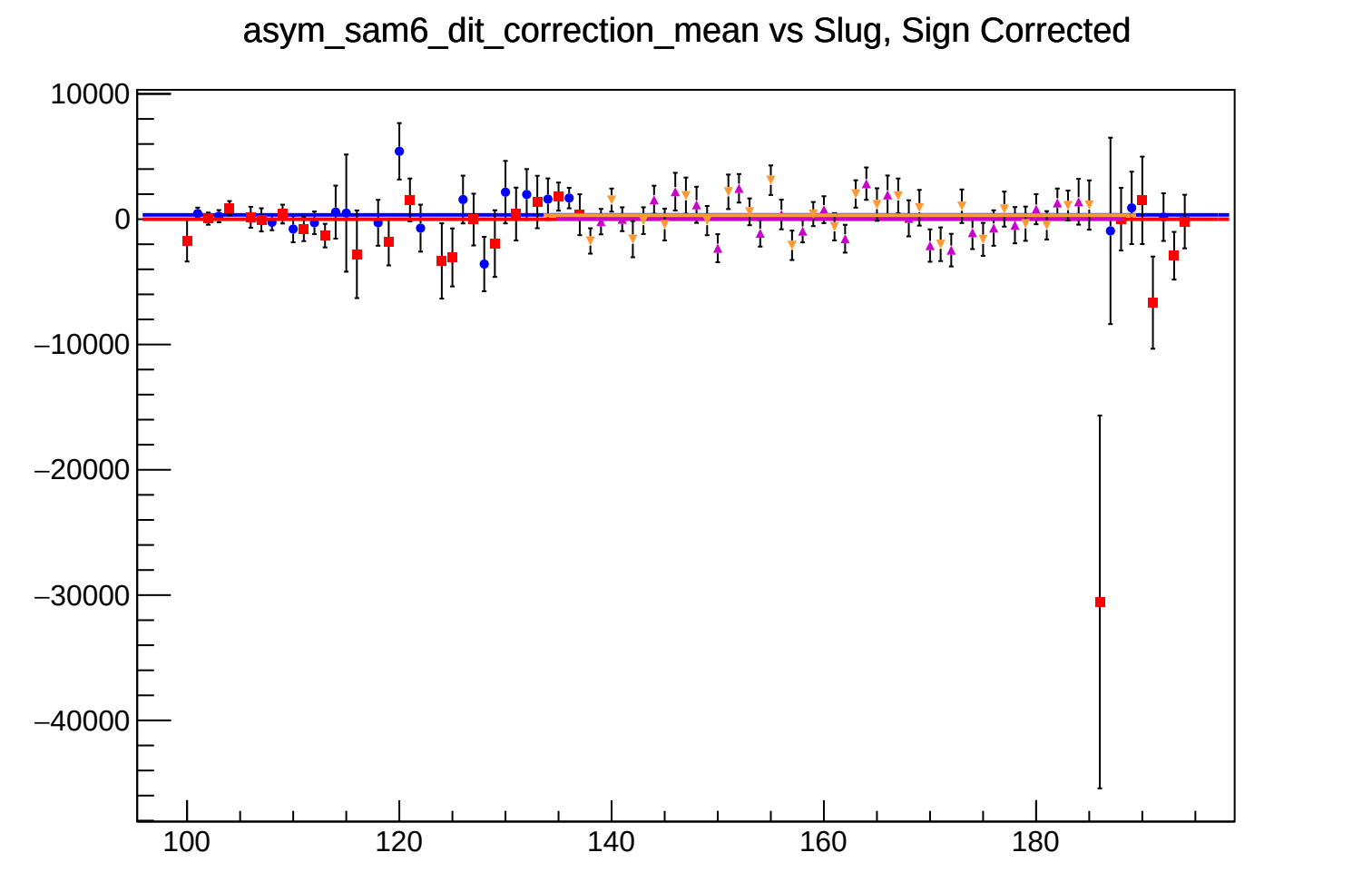
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

Right: 127.392+/-0.021 χ^2/NDF: 3866828.7/43

In: 152.065+/-0.021 χ^2/NDF:2633893.6/41

Out: 150.054+/-0.020 χ^2/NDF:4196697.2/49

All: 151.000+/-0.015 χ^2/NDF: 6835370.8/91



Right In: 344.125+/-238.671 χ^2/NDF: 16.3/18

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -2.665+/-235.004 χ^2/NDF: 25.4/24

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

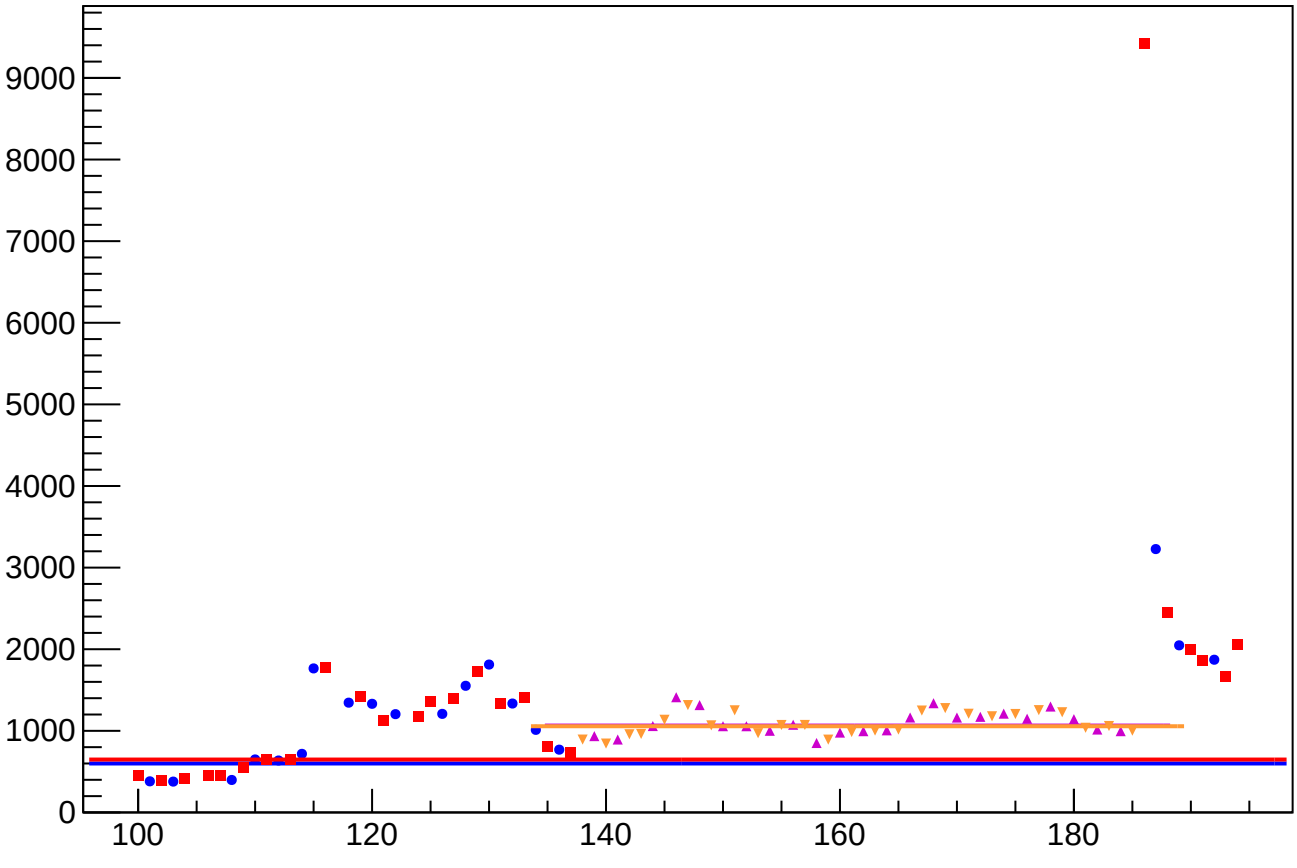
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 168.046+/-167.454 χ^2/NDF: 42.8/43

In: 203.297+/-173.043 χ^2/NDF:51.5/41

Out: 150.587+/-168.728 χ^2/NDF:59.2/49

All: 176.277+/-120.805 χ^2/NDF: 110.7/91



Right In: 599.925+/-0.169 χ^2/NDF: 5112753.0/18

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 648.302+/-0.166 χ^2/NDF: 6930976.7/24

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

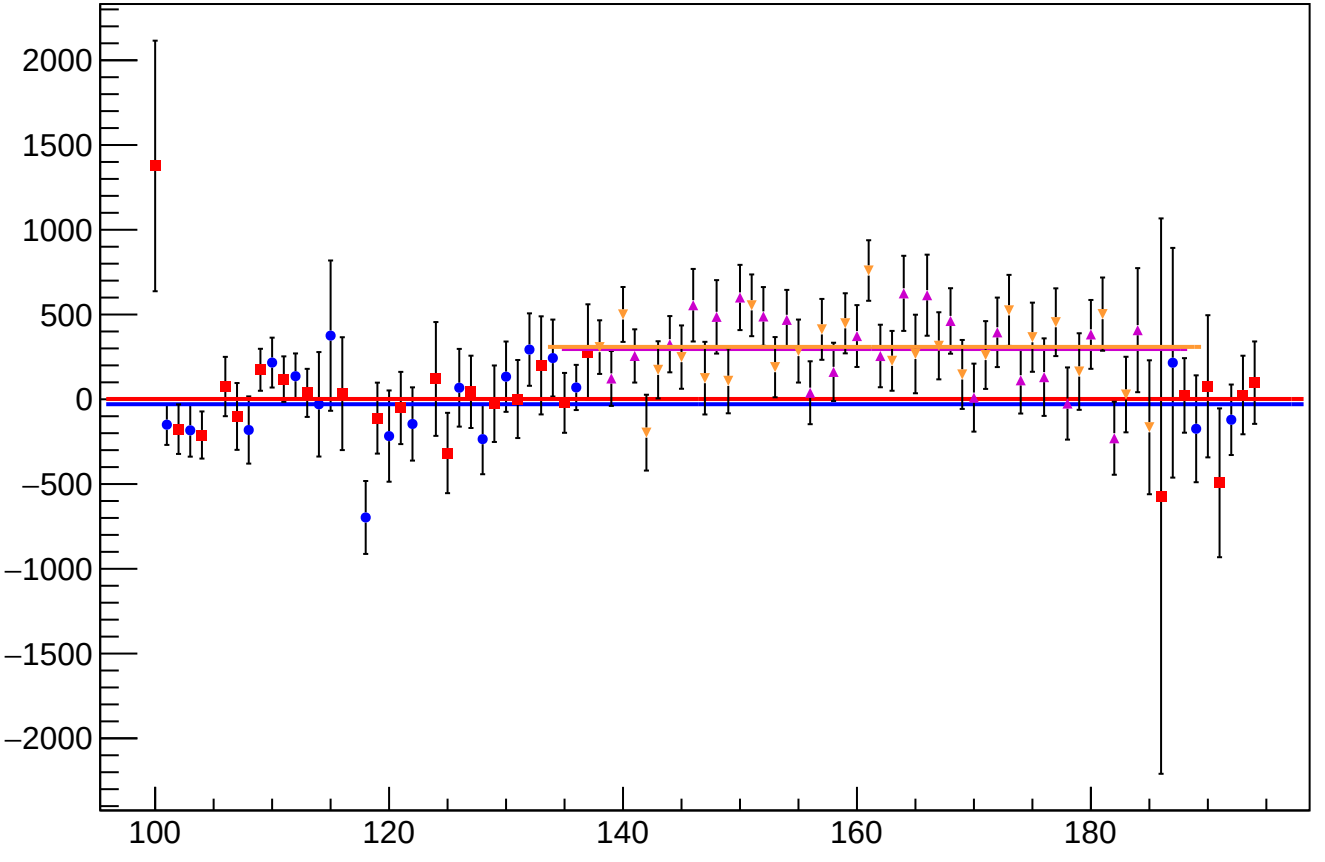
Right: 624.488+/-0.118 χ^2/NDF: 12085450.2/43

In: 820.381+/-0.122 χ^2/NDF:9321203.4/41

Out: 845.994+/-0.119 χ^2/NDF:10462848.7/49

All: 833.511+/-0.085 χ^2/NDF: 19806513.3/91

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -29.106+/-44.287 χ^2/NDF: 24.7/18

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: 1.871+/-41.016 χ^2/NDF: 15.9/24

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

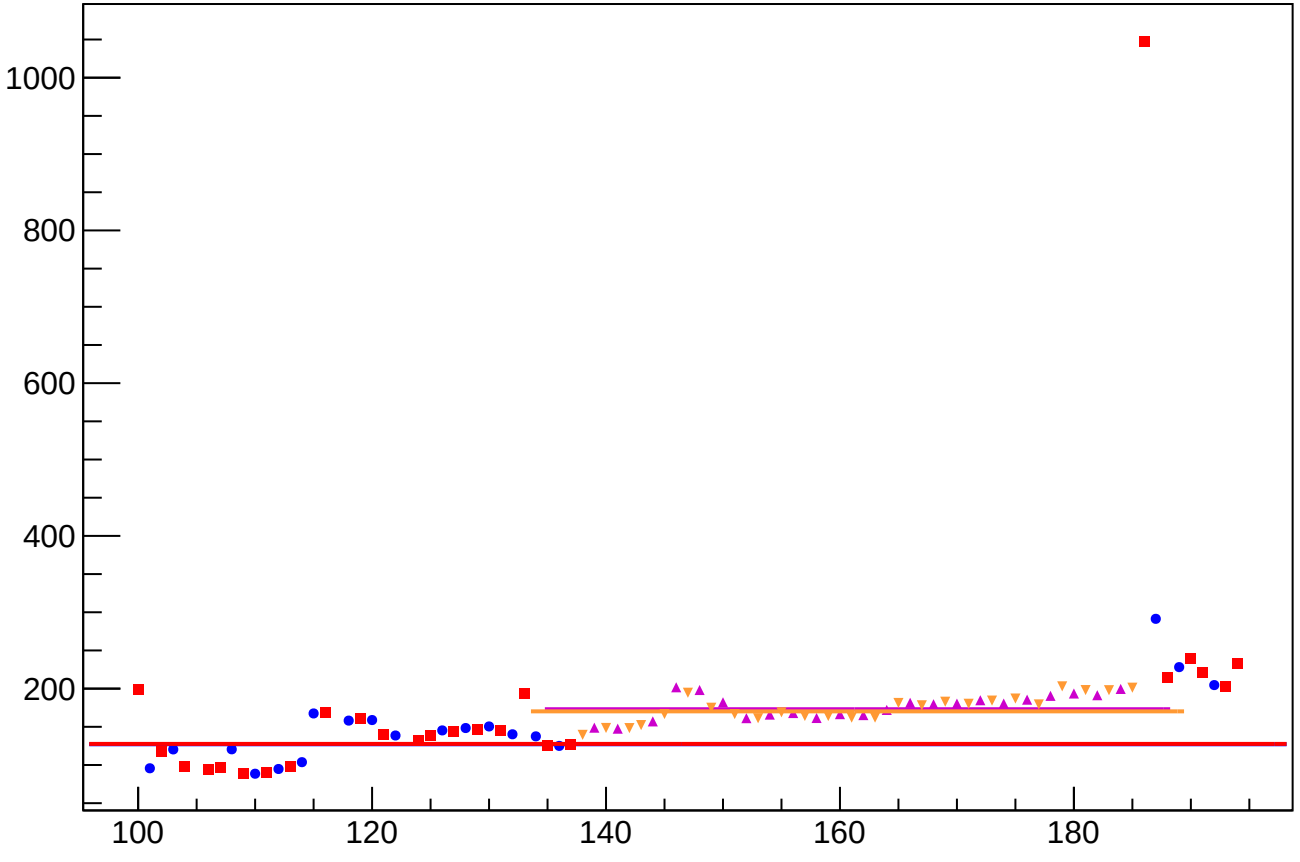
Right: -12.432+/-30.093 χ^2/NDF: 40.9/43

In: 147.784+/-29.930 χ^2/NDF:81.9/41

Out: 163.577+/-28.225 χ^2/NDF:71.0/49

All: 156.143+/-20.534 χ^2/NDF: 153.0/91

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 127.135+/-0.031 χ^2/NDF: 1173636.6/18

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 127.611+/-0.029 χ^2/NDF: 2693070.9/24

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

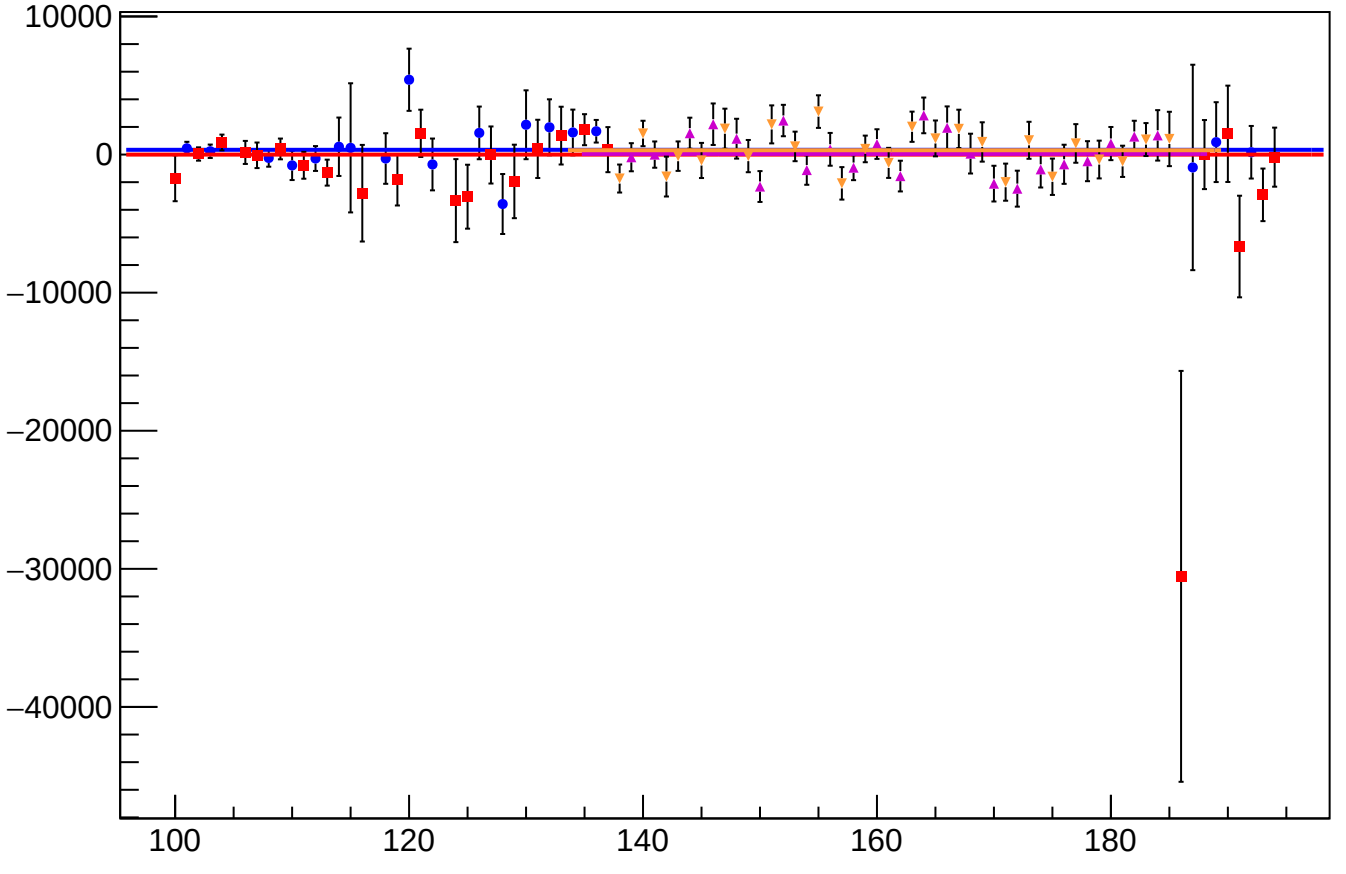
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

Right: 127.391+/-0.021 χ^2/NDF: 3866832.2/43

In: 152.065+/-0.021 χ^2/NDF:2633907.9/41

Out: 150.053+/-0.020 χ^2/NDF:4196700.3/49

All: 151.000+/-0.015 χ^2/NDF: 6835388.2/91



Right In: 344.124+/-238.671 χ^2/NDF: 16.3/18

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -2.664+/-235.004 χ^2/NDF: 25.4/24

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

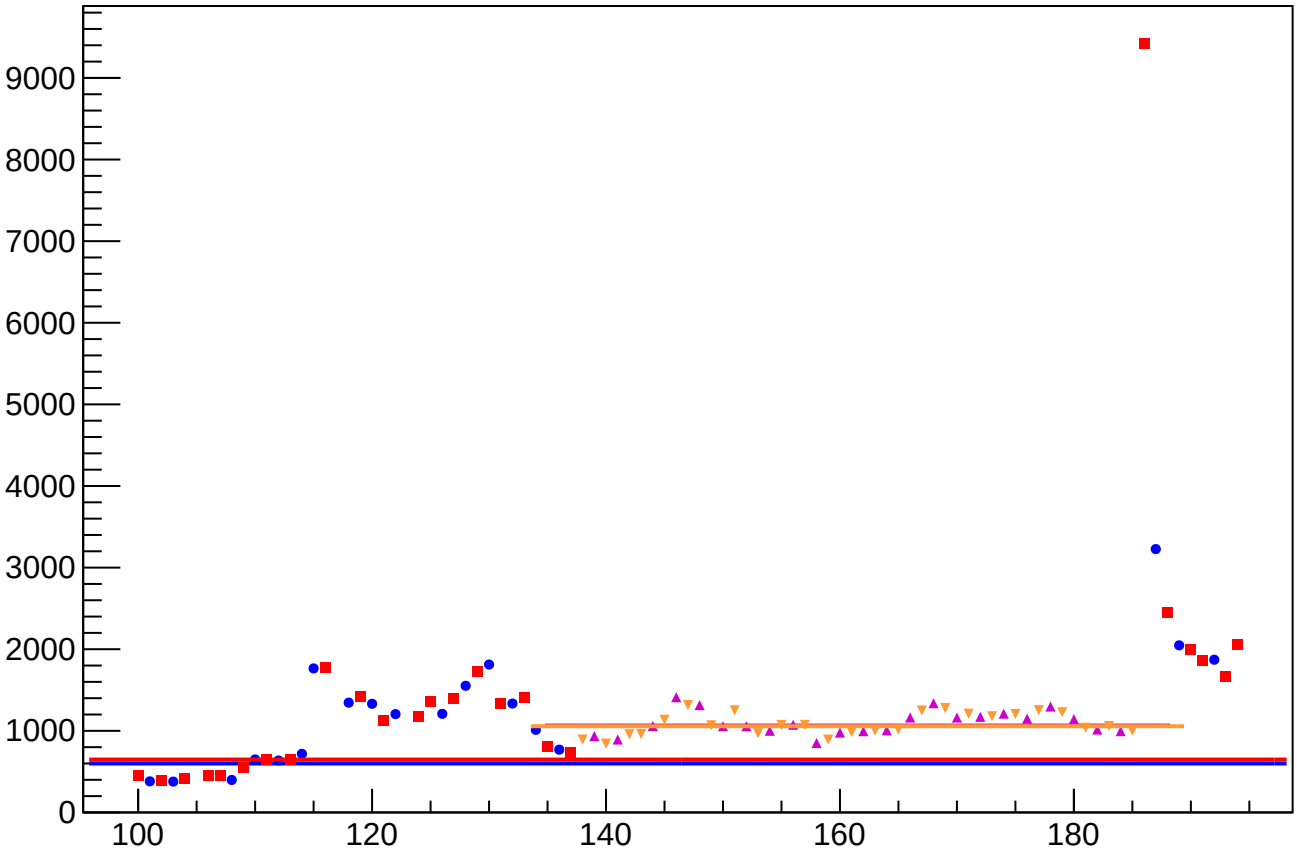
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 168.046+/-167.454 χ^2/NDF: 42.8/43

In: 203.297+/-173.042 χ^2/NDF:51.5/41

Out: 150.588+/-168.728 χ^2/NDF:59.2/49

All: 176.277+/-120.805 χ^2/NDF: 110.7/91



Right In: 599.924+/-0.169 χ^2/NDF: 5112758.8/18

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 648.301+/-0.166 χ^2/NDF: 6930979.0/24

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

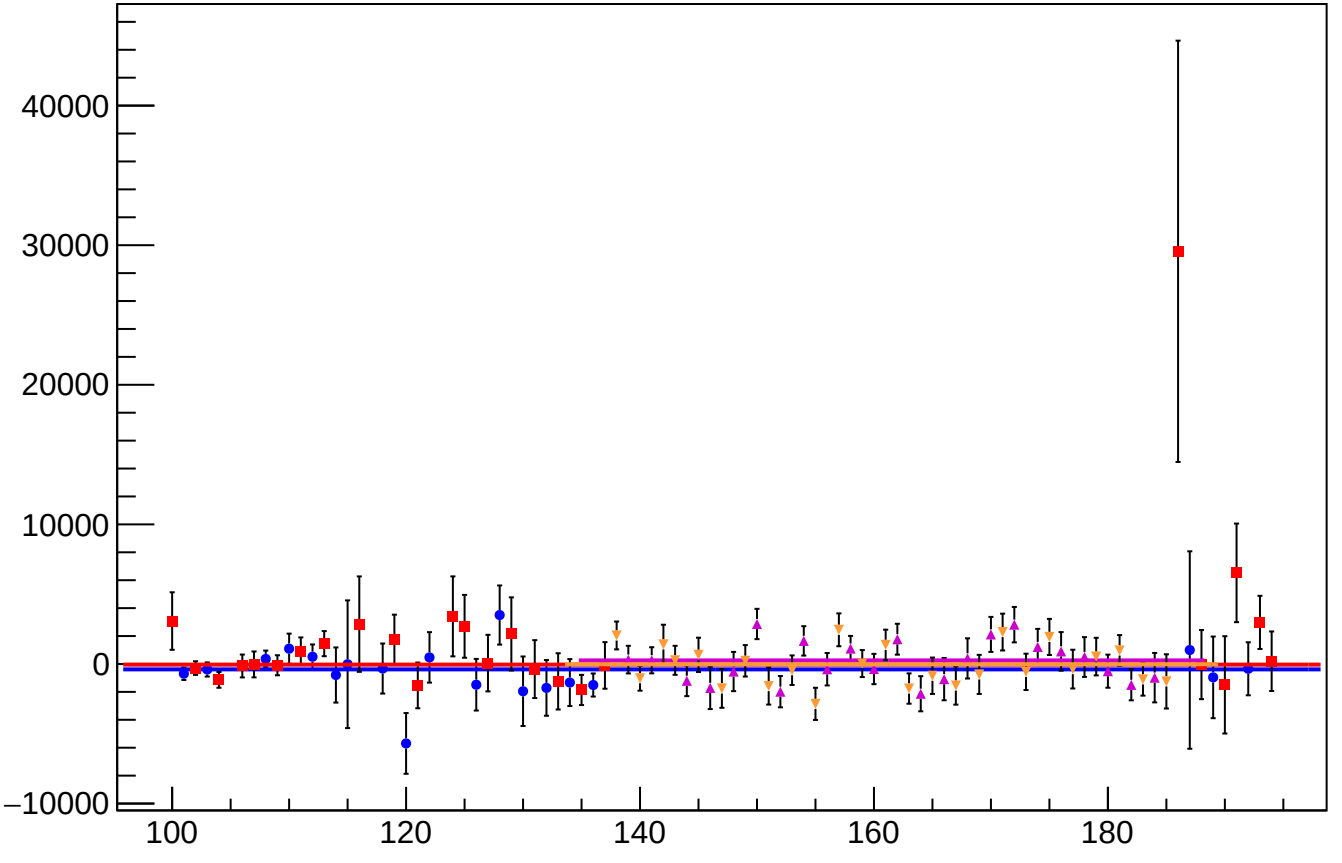
Right: 624.487+/-0.118 χ^2/NDF: 12085458.8/43

In: 820.380+/-0.122 χ^2/NDF:9321228.4/41

Out: 845.993+/-0.119 χ^2/NDF:10462868.6/49

All: 833.510+/-0.085 χ^2/NDF: 19806558.6/91

asym_sam6_mean vs Slug, Sign Corrected



Right In: -388.069+/-234.796 χ^2/NDF: 18.0/18

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: -47.576+/-232.846 χ^2/NDF: 29.5/24

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

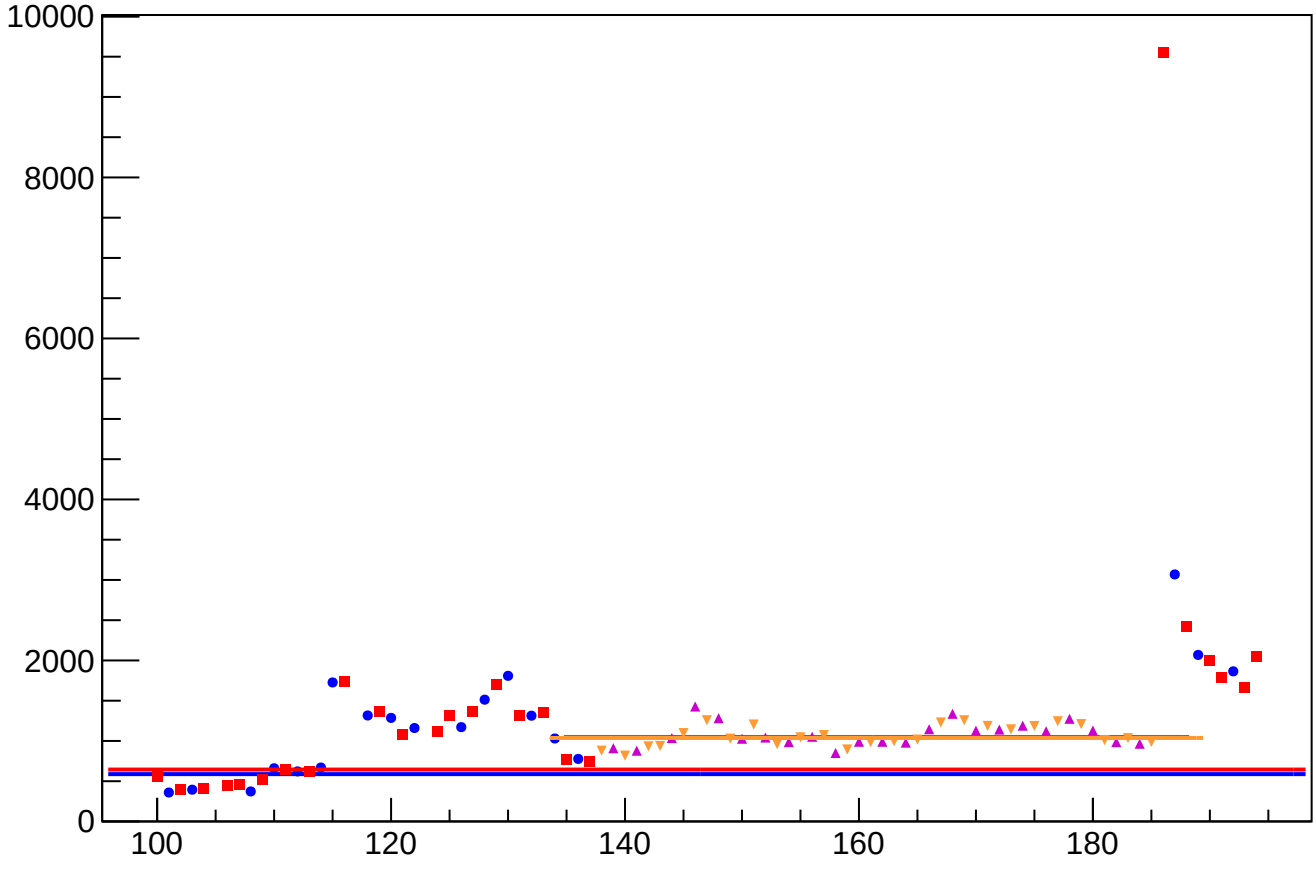
Right: -216.403+/-165.332 χ^2/NDF: 48.6/43

In: -82.886+/-170.243 χ^2/NDF:55.1/41

Out: -34.999+/-166.430 χ^2/NDF:64.0/49

All: -58.400+/-119.009 χ^2/NDF: 119.2/91

asym_sam6_rms vs Slug, Sign Corrected



Right In: 587.844+/-0.166 χ^2/NDF: 5183590.1/18

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 644.665+/-0.165 χ^2/NDF: 6803103.7/24

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

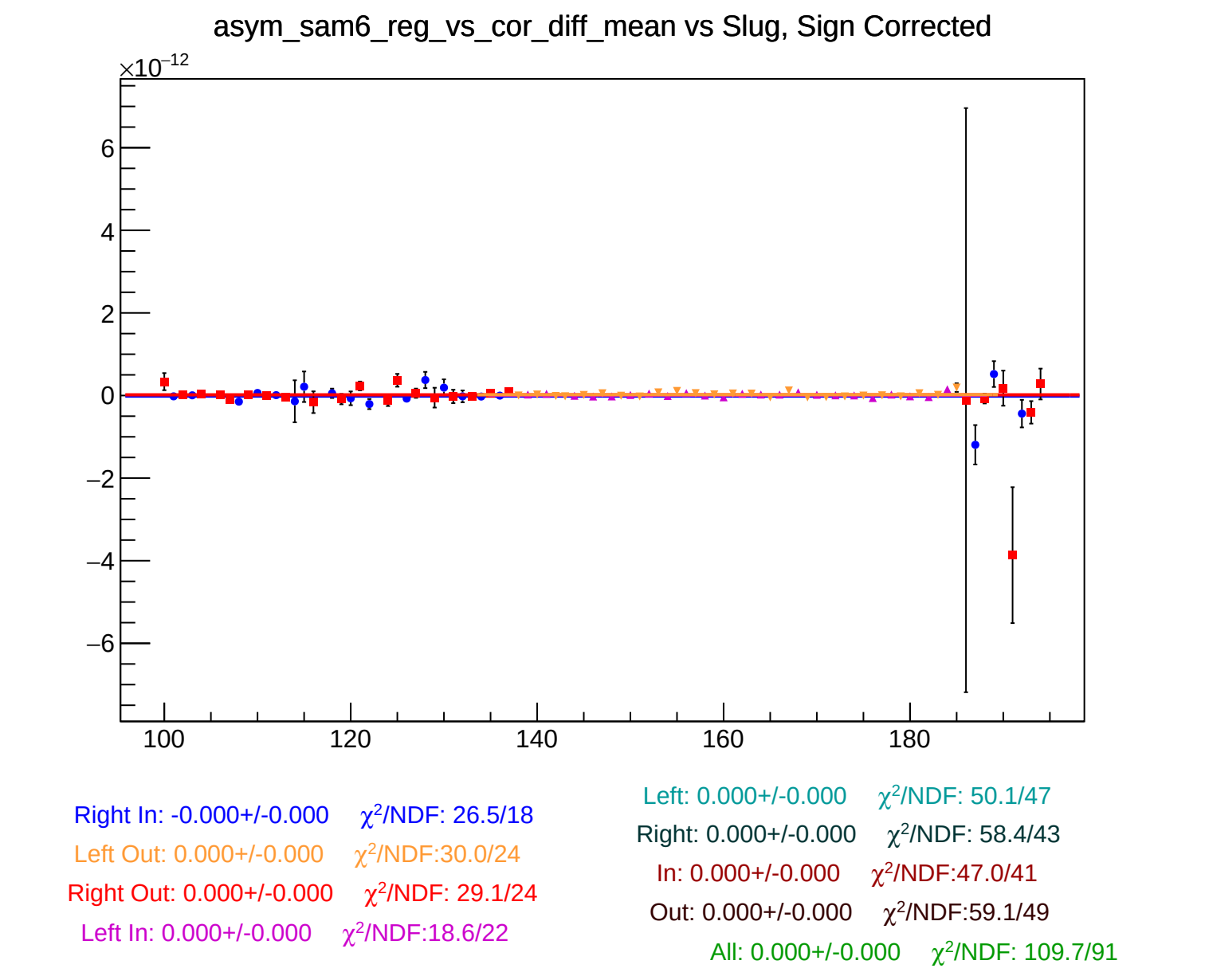
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

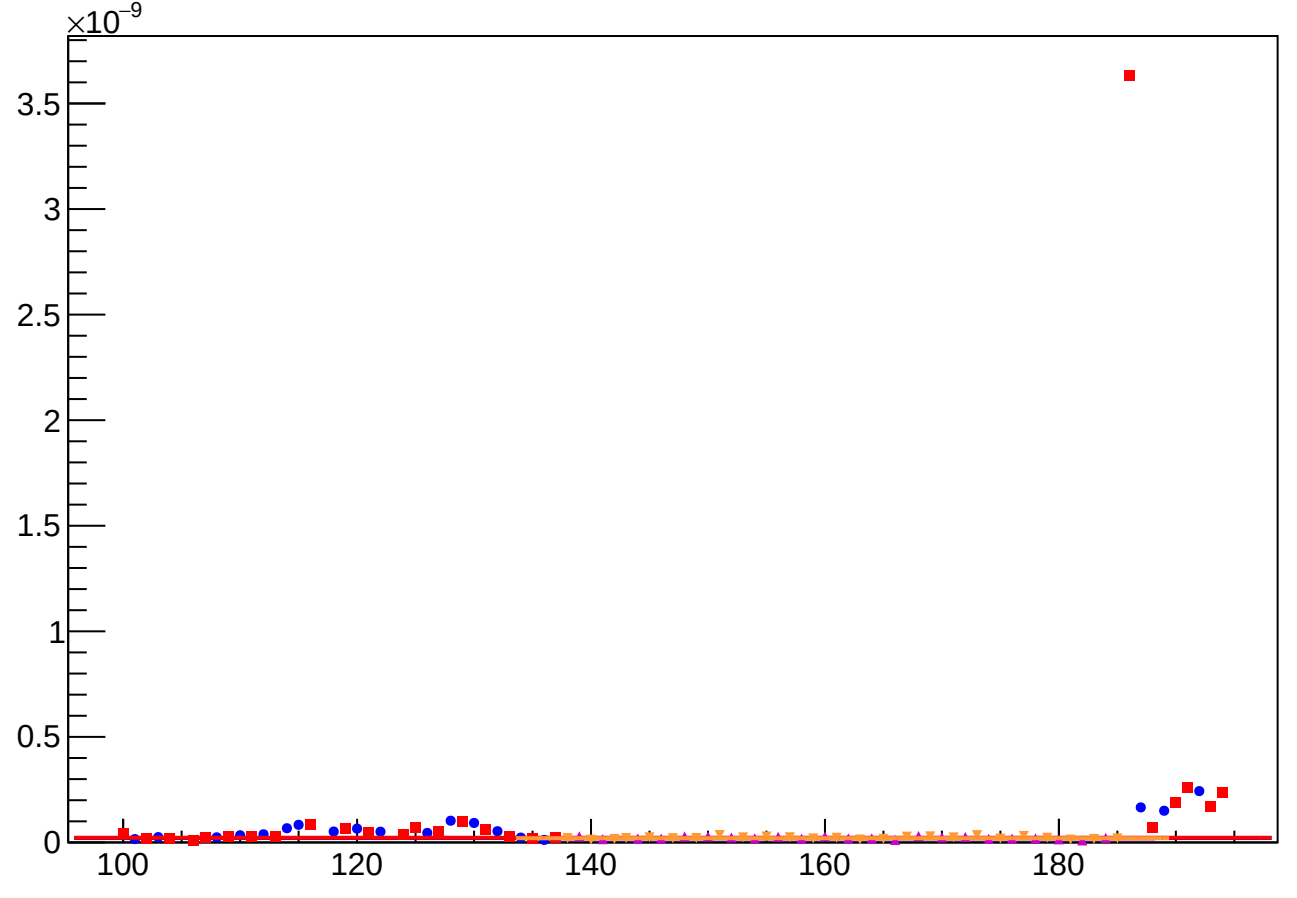
Right: 616.491+/-0.117 χ^2/NDF: 12045745.6/43

In: 805.910+/-0.120 χ^2/NDF:9434336.1/41

Out: 836.720+/-0.118 χ^2/NDF:10170469.8/49

All: 821.664+/-0.084 χ^2/NDF: 19638301.3/91


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
Right In: -0.000+/-0.000 χ²/NDF: 26.5/18
Left Out: 0.000+/-0.000 χ²/NDF:30.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 29.1/24
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: 58.4/43
In: 0.000+/-0.000 χ²/NDF:47.0/41
Out: 0.000+/-0.000 χ²/NDF:59.1/49
All: 0.000+/-0.000 χ²/NDF: 109.7/91



Right In: 0.000+/-0.000 χ^2/NDF: 3425761.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4328410.4/24

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

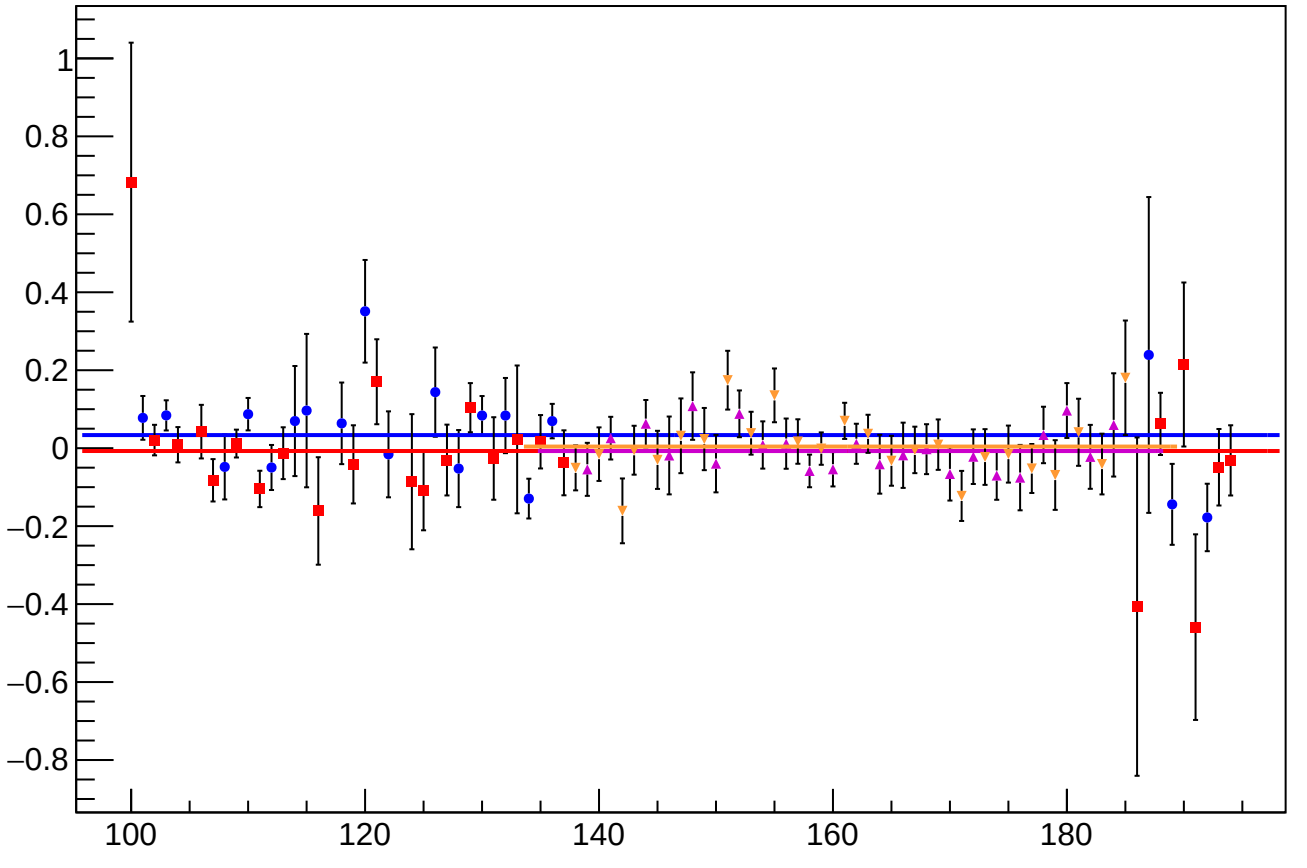
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 7765510.9/43

In: 0.000+/-0.000 χ^2/NDF:4500352.4/41

Out: 0.000+/-0.000 χ^2/NDF:5359678.5/49

All: 0.000+/-0.000 χ^2/NDF: 9883879.2/91



Right In: 0.034+/-0.016 χ^2/NDF: 36.3/18

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.007+/-0.014 χ^2/NDF: 26.7/24

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

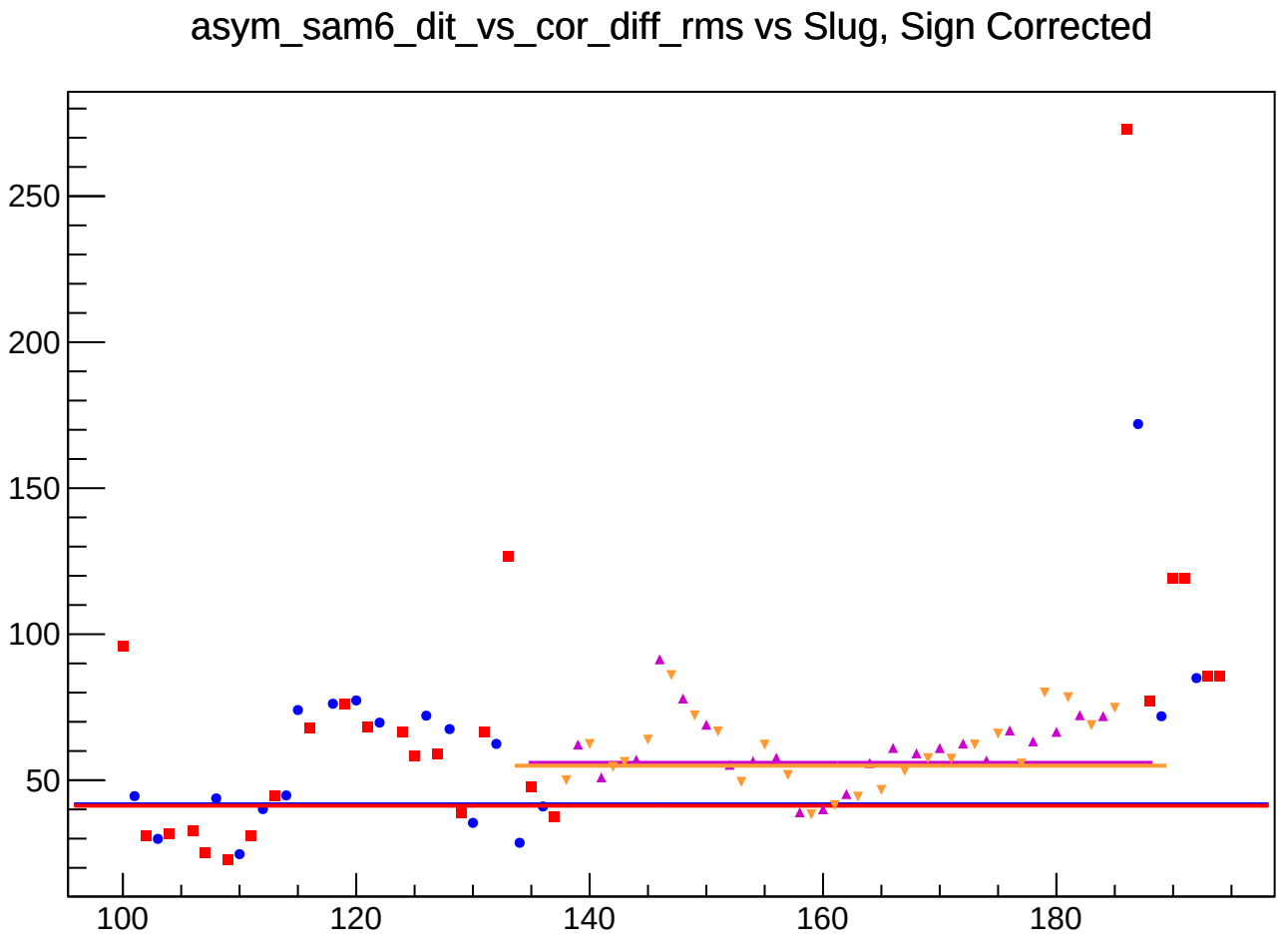
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.012+/-0.011 χ^2/NDF: 66.7/43

In: 0.010+/-0.010 χ^2/NDF:55.3/41

Out: -0.001+/-0.010 χ^2/NDF:51.9/49

All: 0.004+/-0.007 χ^2/NDF: 107.8/91



Right In: 41.738+/-0.011 χ^2/NDF: 2486217.2/18

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 41.277+/-0.010 χ^2/NDF: 4632609.9/24

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

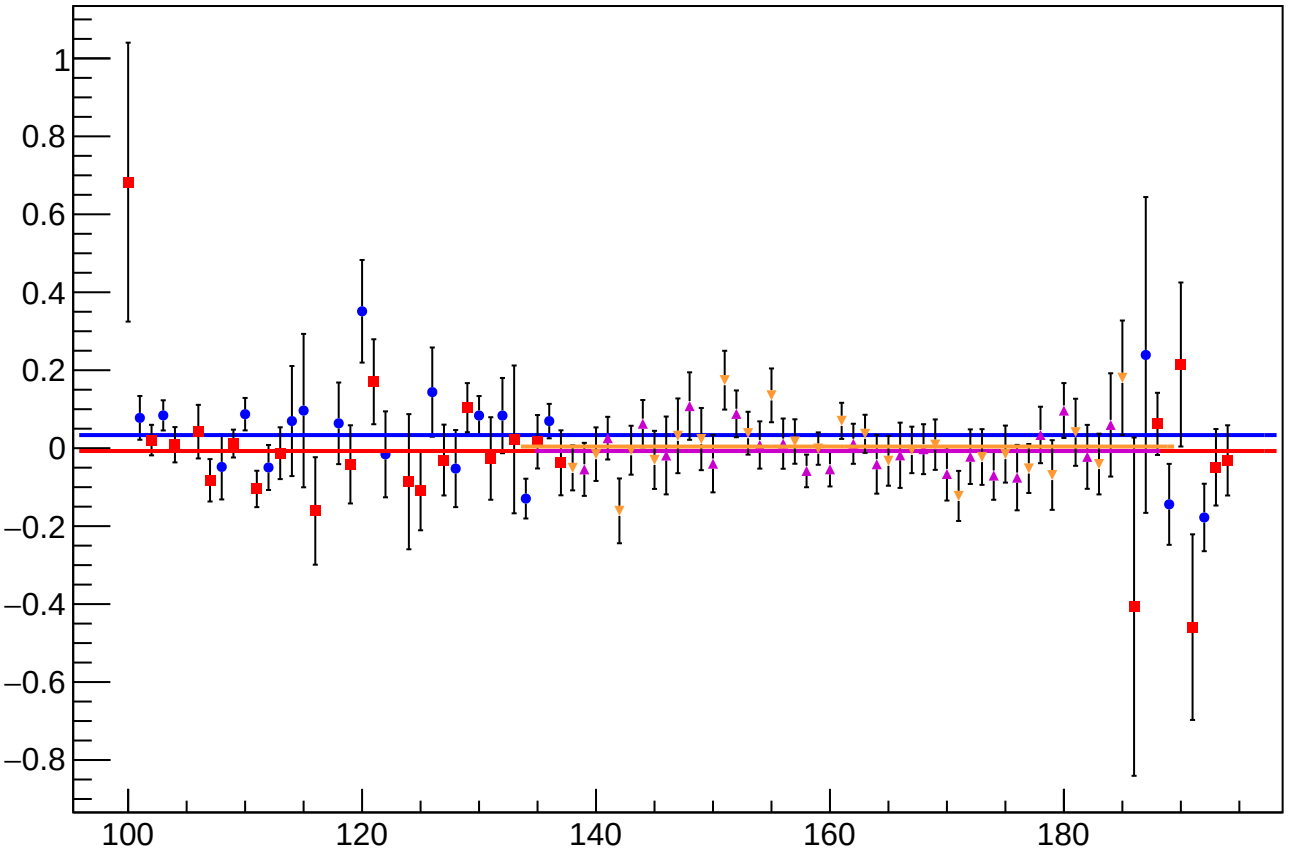
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 41.490+/-0.007 χ^2/NDF: 7119773.3/43

In: 49.843+/-0.007 χ^2/NDF:4843639.2/41

Out: 48.863+/-0.007 χ^2/NDF:7199821.6/49

All: 49.325+/-0.005 χ^2/NDF: 12053189.7/91



Right In: 0.034+/-0.016 χ^2/NDF: 36.3/18

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.007+/-0.014 χ^2/NDF: 26.7/24

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

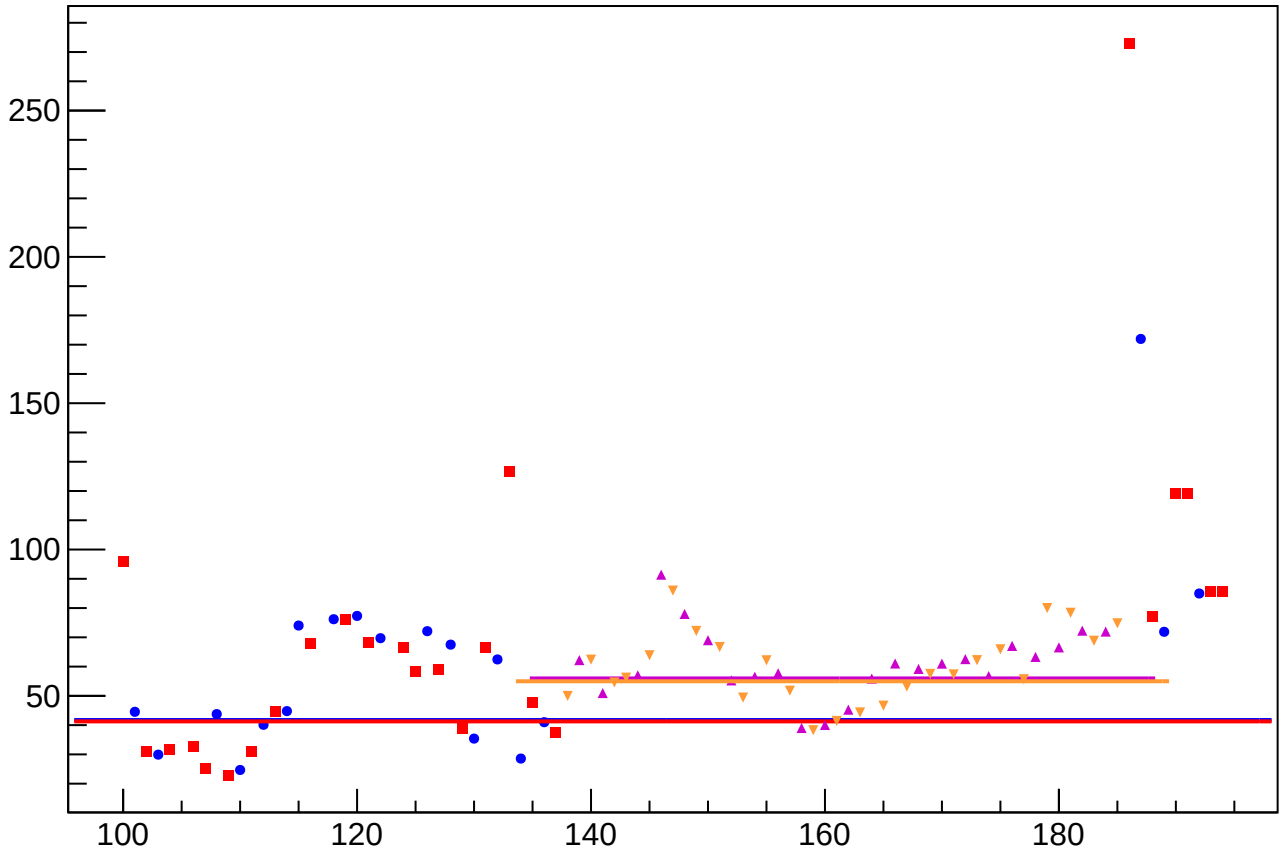
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.012+/-0.011 χ^2/NDF: 66.7/43

In: 0.010+/-0.010 χ^2/NDF:55.3/41

Out: -0.001+/-0.010 χ^2/NDF:51.9/49

All: 0.004+/-0.007 χ^2/NDF: 107.8/91



Right In: 41.738+/-0.011 χ^2/NDF: 2486217.2/18

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 41.277+/-0.010 χ^2/NDF: 4632609.9/24

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

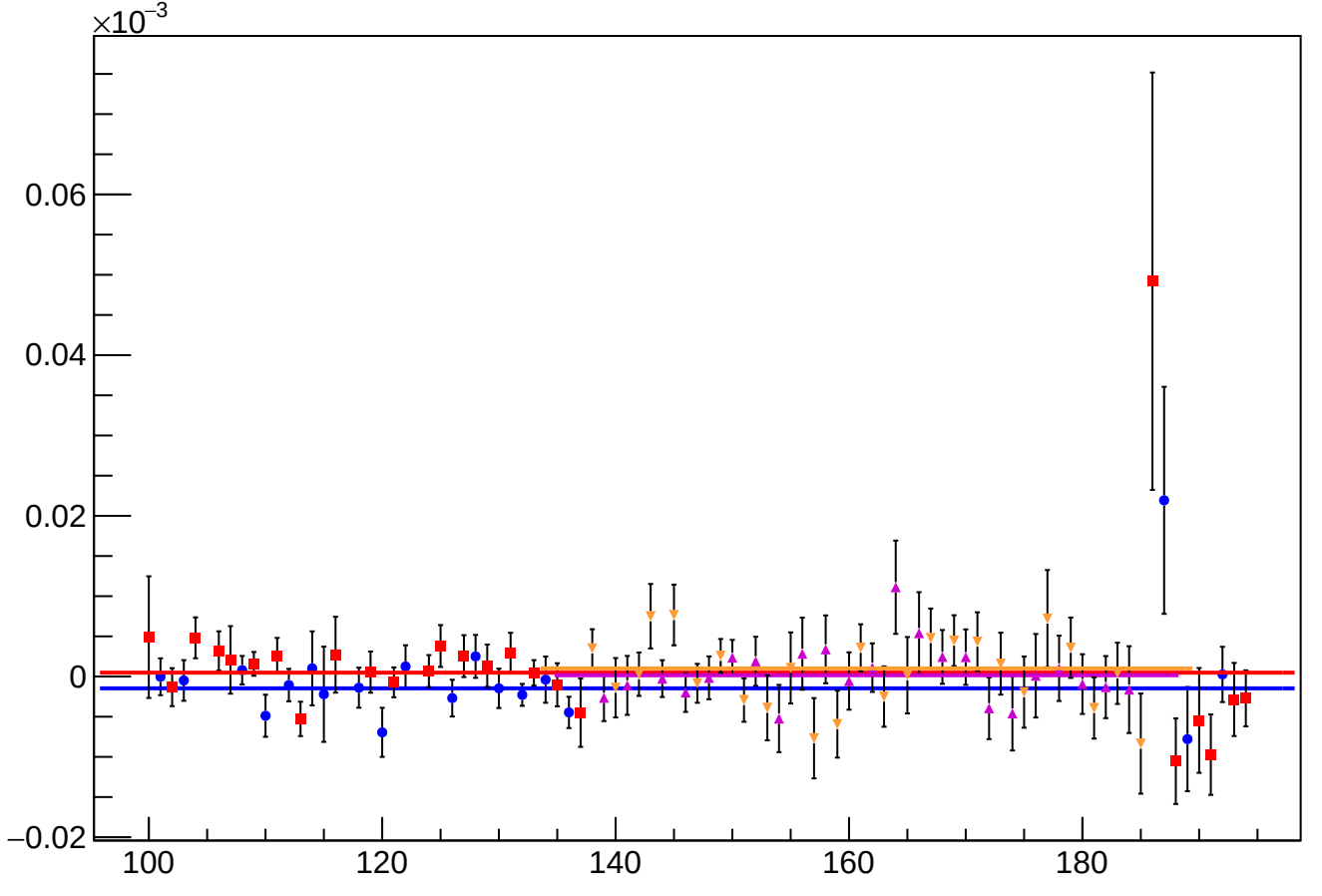
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 41.490+/-0.007 χ^2/NDF: 7119773.3/43

In: 49.843+/-0.007 χ^2/NDF:4843639.2/41

Out: 48.863+/-0.007 χ^2/NDF:7199821.6/49

All: 49.325+/-0.005 χ^2/NDF: 12053189.7/91



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.8/24

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

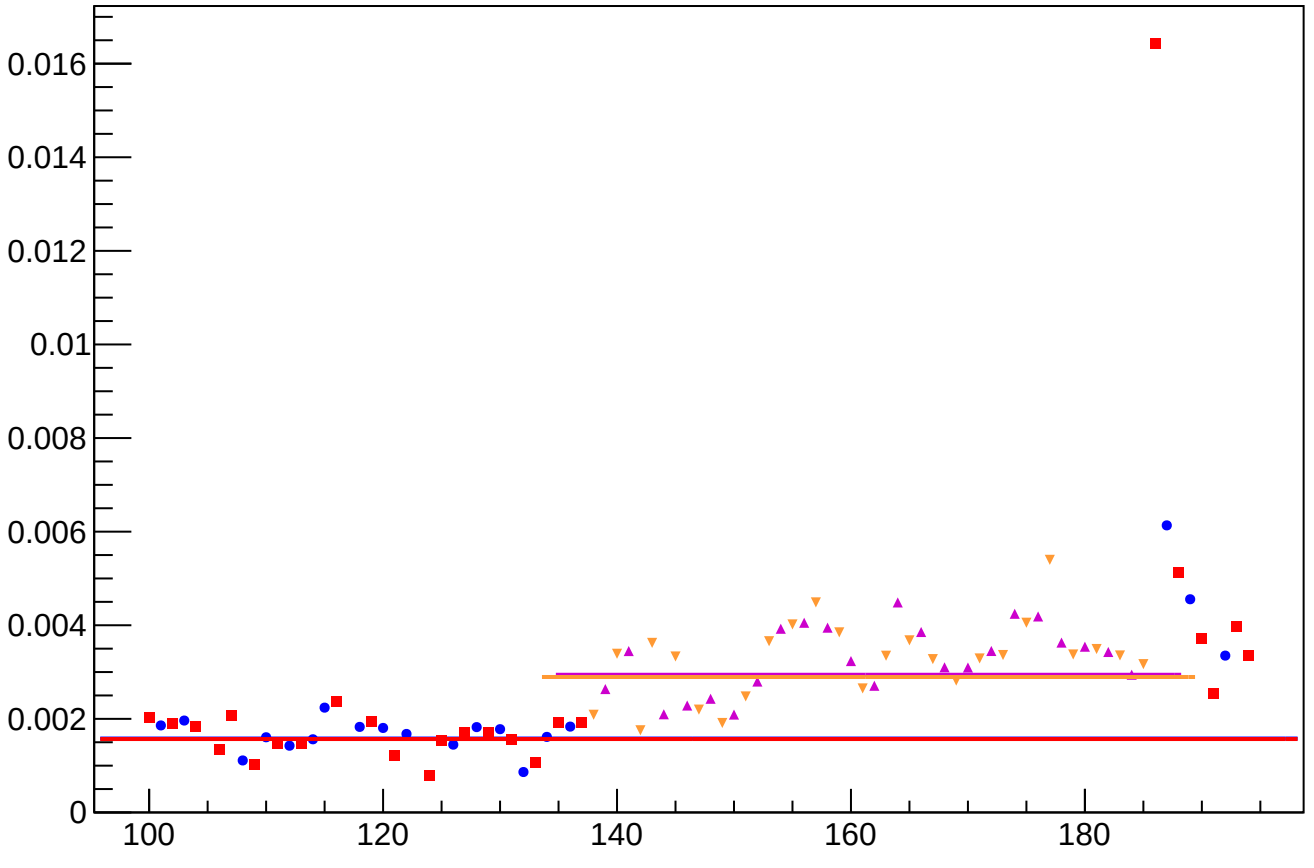
Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

Right: -0.000+/-0.000 χ^2/NDF: 57.9/43

In: -0.000+/-0.000 χ^2/NDF:35.0/41

Out: 0.000+/-0.000 χ^2/NDF:62.7/49

All: -0.000+/-0.000 χ^2/NDF: 103.8/91



Right In: 0.002+/-0.000 χ^2/NDF: 2067196.9/18

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4068142.7/24

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

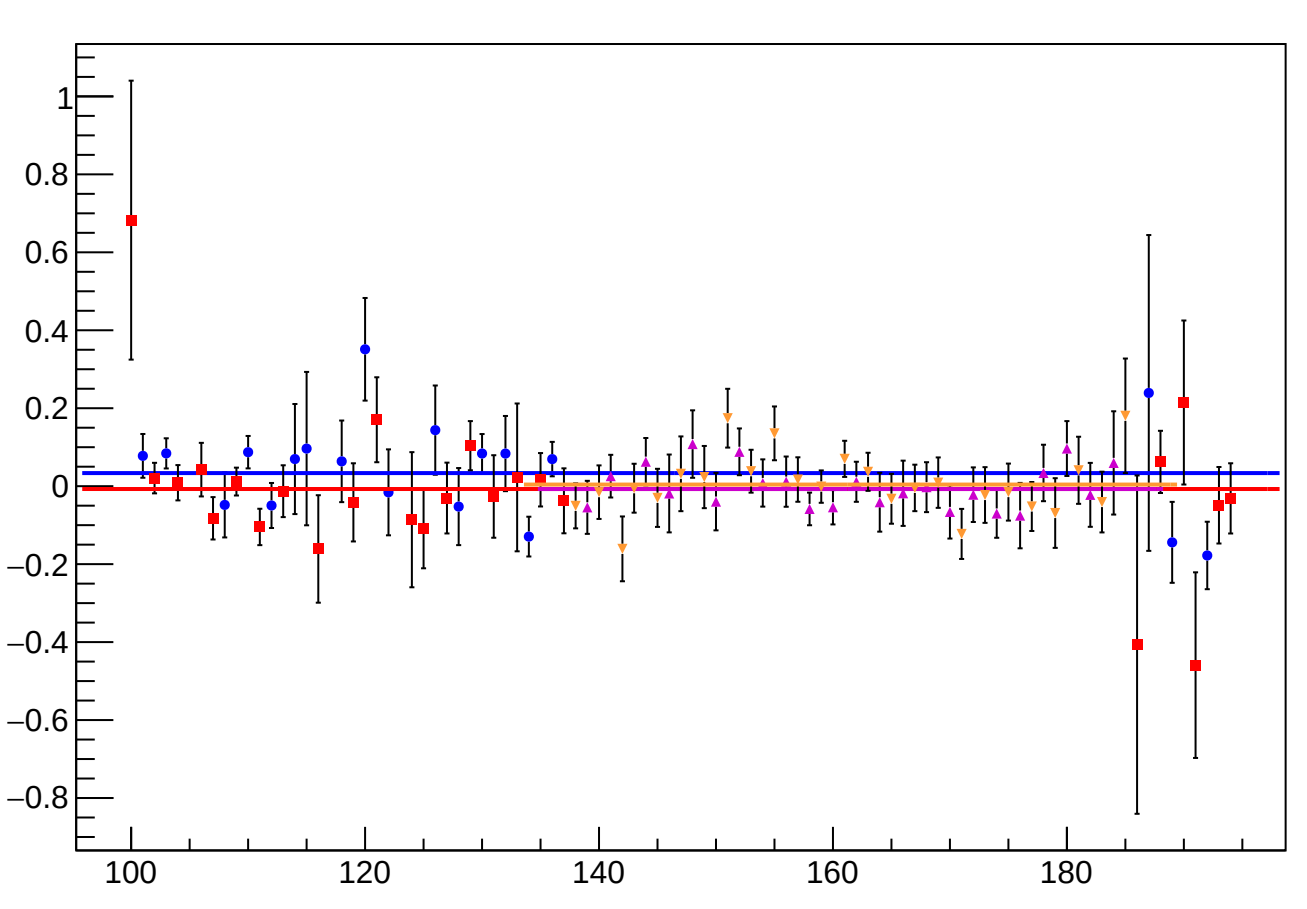
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.002+/-0.000 χ^2/NDF: 6135702.5/43

In: 0.002+/-0.000 χ^2/NDF:8438233.3/41

Out: 0.002+/-0.000 χ^2/NDF:11414942.1/49

All: 0.002+/-0.000 χ^2/NDF: 19869057.1/91



Right In: 0.034+/-0.016 χ^2/NDF: 36.3/18

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.007+/-0.014 χ^2/NDF: 26.7/24

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

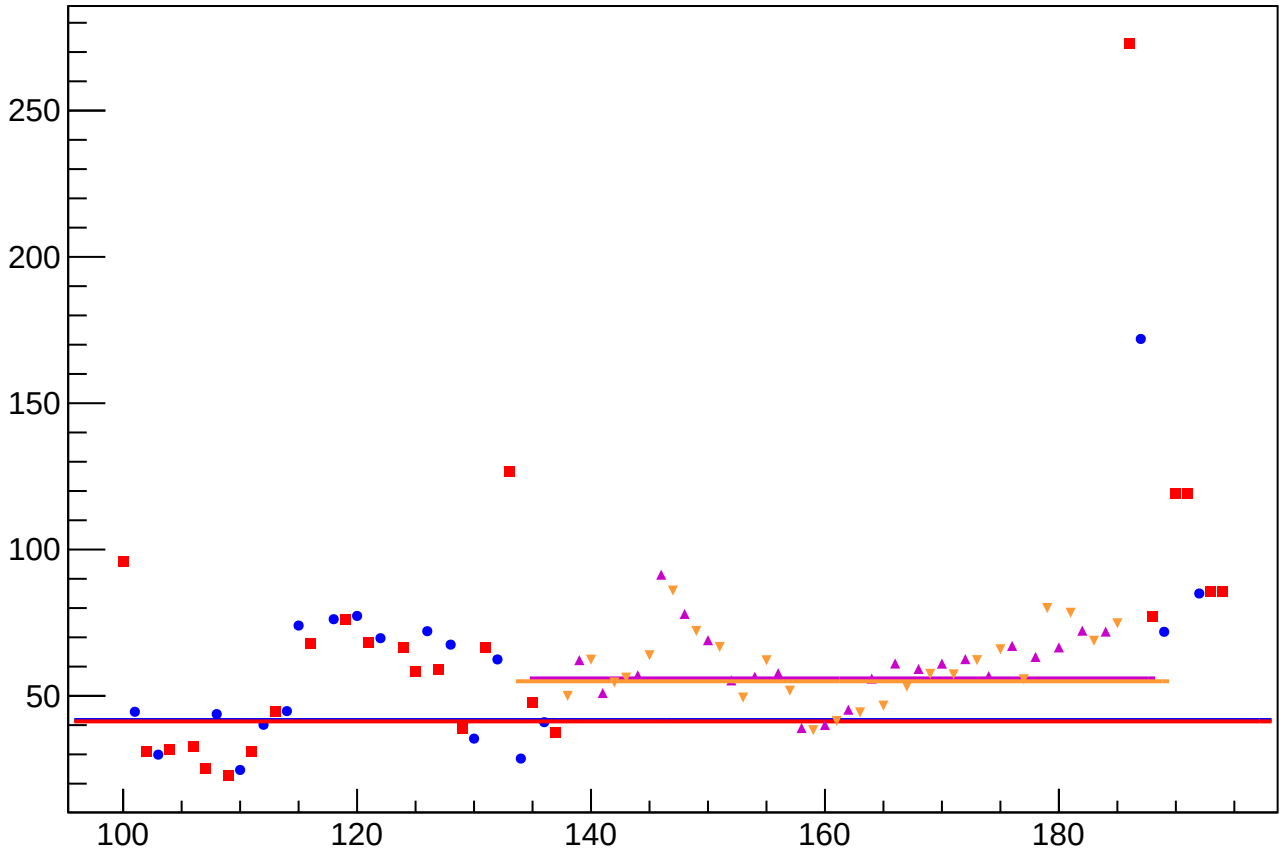
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.012+/-0.011 χ^2/NDF: 66.7/43

In: 0.010+/-0.010 χ^2/NDF:55.3/41

Out: -0.001+/-0.010 χ^2/NDF:51.9/49

All: 0.004+/-0.007 χ^2/NDF: 107.8/91



Right In: 41.738+/-0.011 χ^2/NDF: 2486253.4/18

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 41.276+/-0.010 χ^2/NDF: 4632578.6/24

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

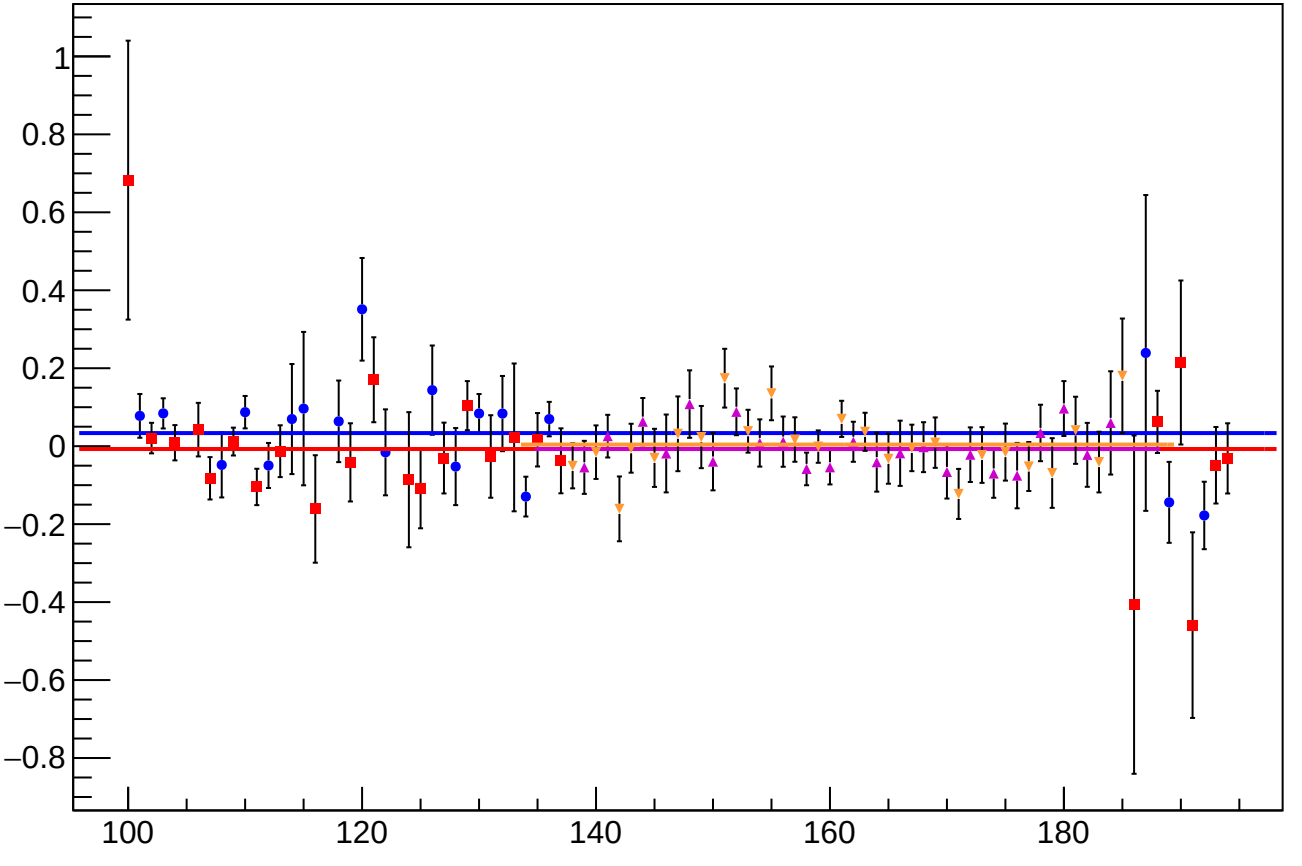
Right: 41.490+/-0.007 χ^2/NDF: 7119777.3/43

In: 49.842+/-0.007 χ^2/NDF:4843788.6/41

Out: 48.863+/-0.007 χ^2/NDF:7199833.6/49

All: 49.324+/-0.005 χ^2/NDF: 12053346.9/91

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.016 χ^2/NDF: 36.3/18

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.007+/-0.014 χ^2/NDF: 26.7/24

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

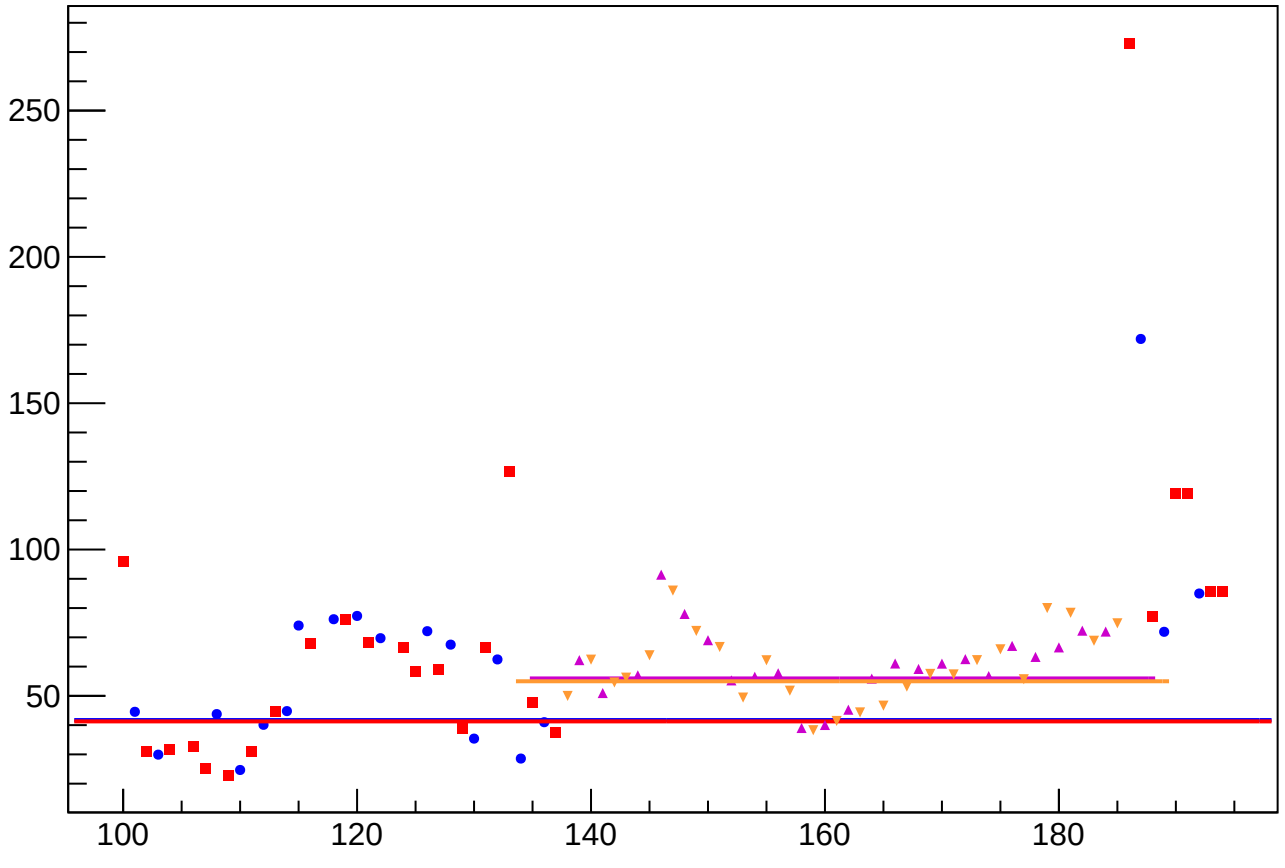
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.012+/-0.011 χ^2/NDF: 66.7/43

In: 0.010+/-0.010 χ^2/NDF:55.3/41

Out: -0.001+/-0.010 χ^2/NDF:51.9/49

All: 0.004+/-0.007 χ^2/NDF: 107.8/91



Right In: 41.738+/-0.011 χ^2/NDF: 2486253.4/18

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 41.276+/-0.010 χ^2/NDF: 4632578.6/24

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

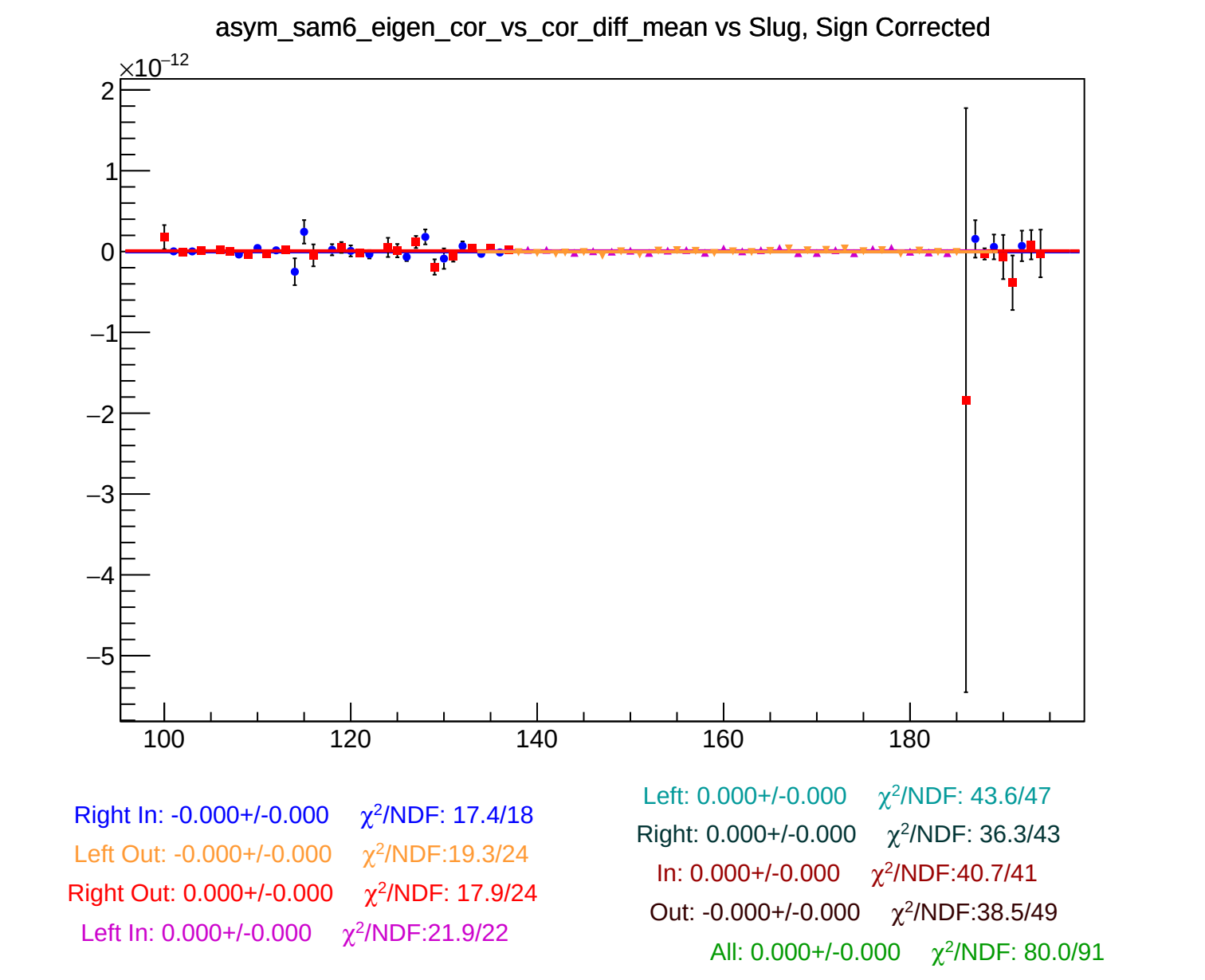
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

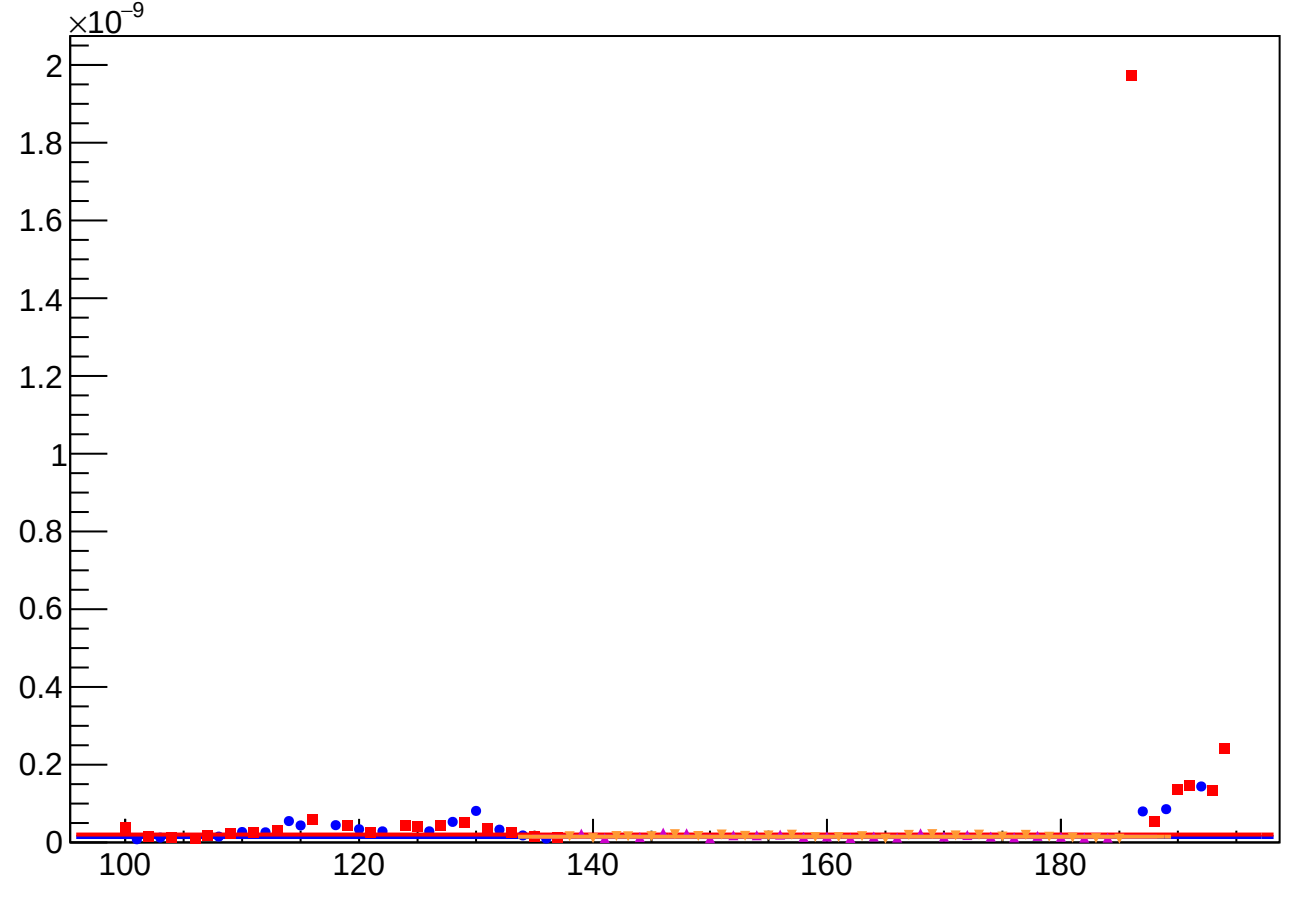
Right: 41.490+/-0.007 χ^2/NDF: 7119777.3/43

In: 49.842+/-0.007 χ^2/NDF:4843788.6/41

Out: 48.863+/-0.007 χ^2/NDF:7199833.6/49

All: 49.324+/-0.005 χ^2/NDF: 12053346.9/91


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
Right In: -0.000+/-0.000 χ²/NDF: 17.4/18
Left Out: -0.000+/-0.000 χ²/NDF:19.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 17.9/24
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: 36.3/43
In: 0.000+/-0.000 χ²/NDF:40.7/41
Out: -0.000+/-0.000 χ²/NDF:38.5/49
All: 0.000+/-0.000 χ²/NDF: 80.0/91



Right In: 0.000+/-0.000 χ^2/NDF: 4738200.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5702975.6/24

Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

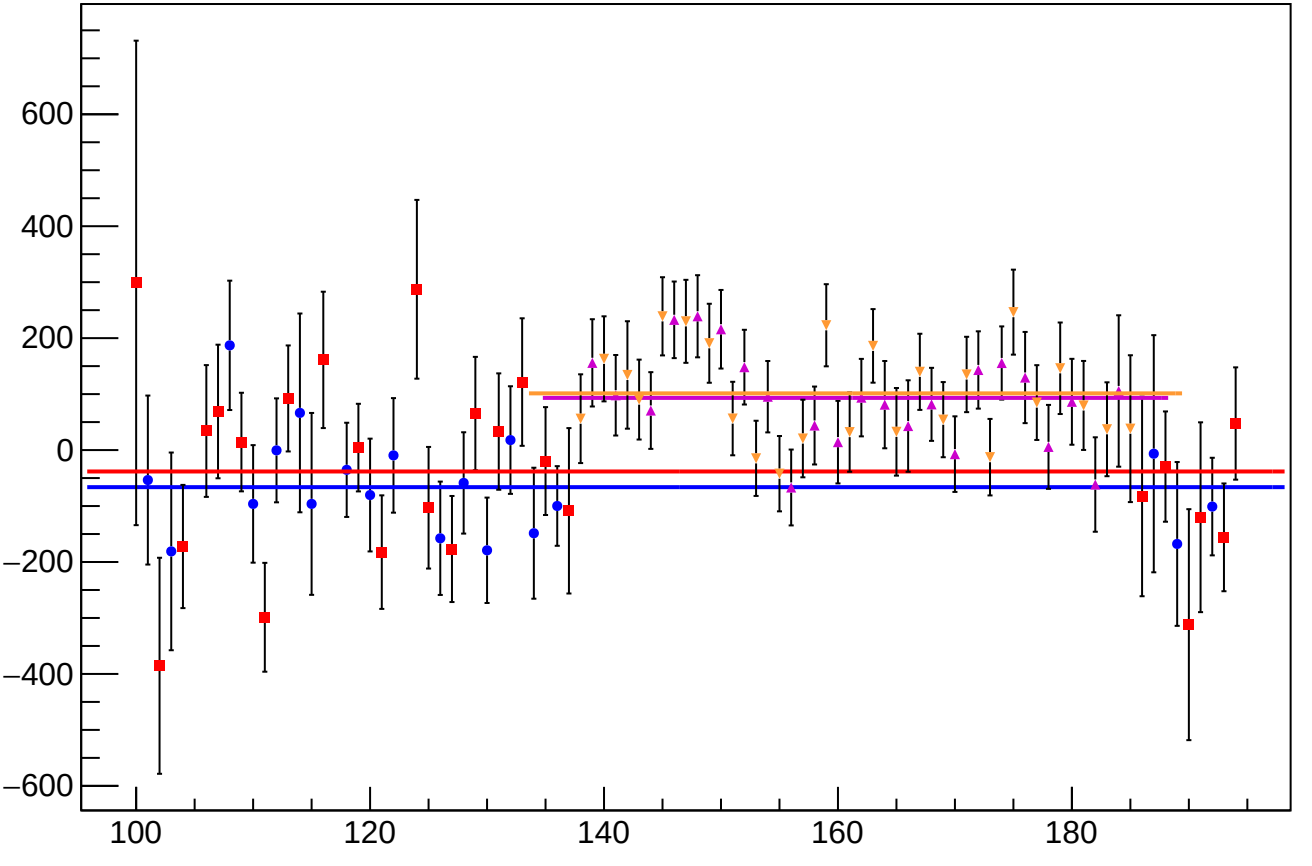
Right: 0.000+/-0.000 χ^2/NDF: 11044880.1/43

In: 0.000+/-0.000 χ^2/NDF:6190460.8/41

Out: 0.000+/-0.000 χ^2/NDF:7736443.2/49

All: 0.000+/-0.000 χ^2/NDF: 14004744.7/91

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -66.257+/-24.443 χ^2/NDF: 11.3/18

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -38.247+/-22.436 χ^2/NDF: 35.6/24

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

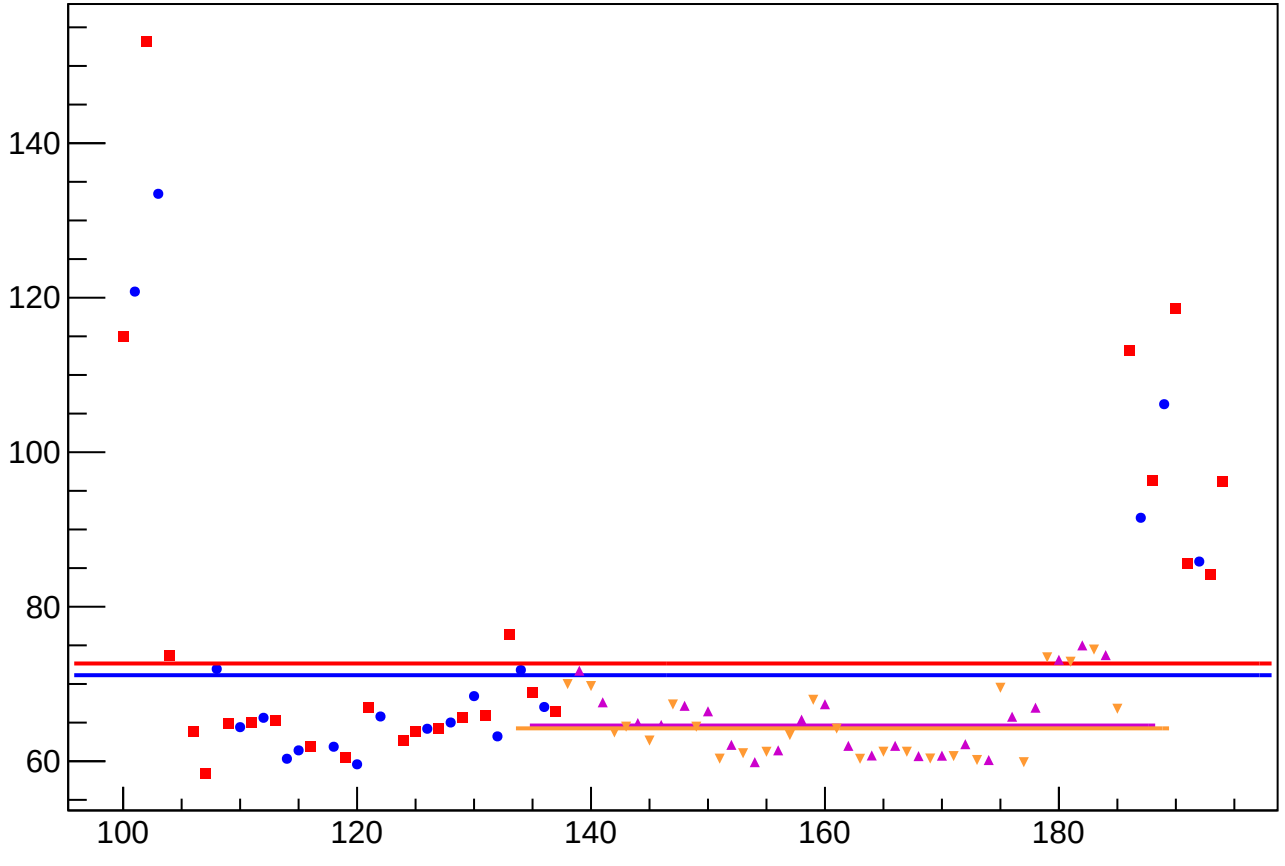
Right: -51.055+/-16.529 χ^2/NDF: 47.7/43

In: 49.027+/-12.869 χ^2/NDF:70.9/41

Out: 59.638+/-12.262 χ^2/NDF:96.6/49

All: 54.589+/-8.877 χ^2/NDF: 167.9/91

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 71.137+/-0.017 χ^2/NDF: 781927.6/18

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 72.652+/-0.016 χ^2/NDF: 1049335.4/24

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

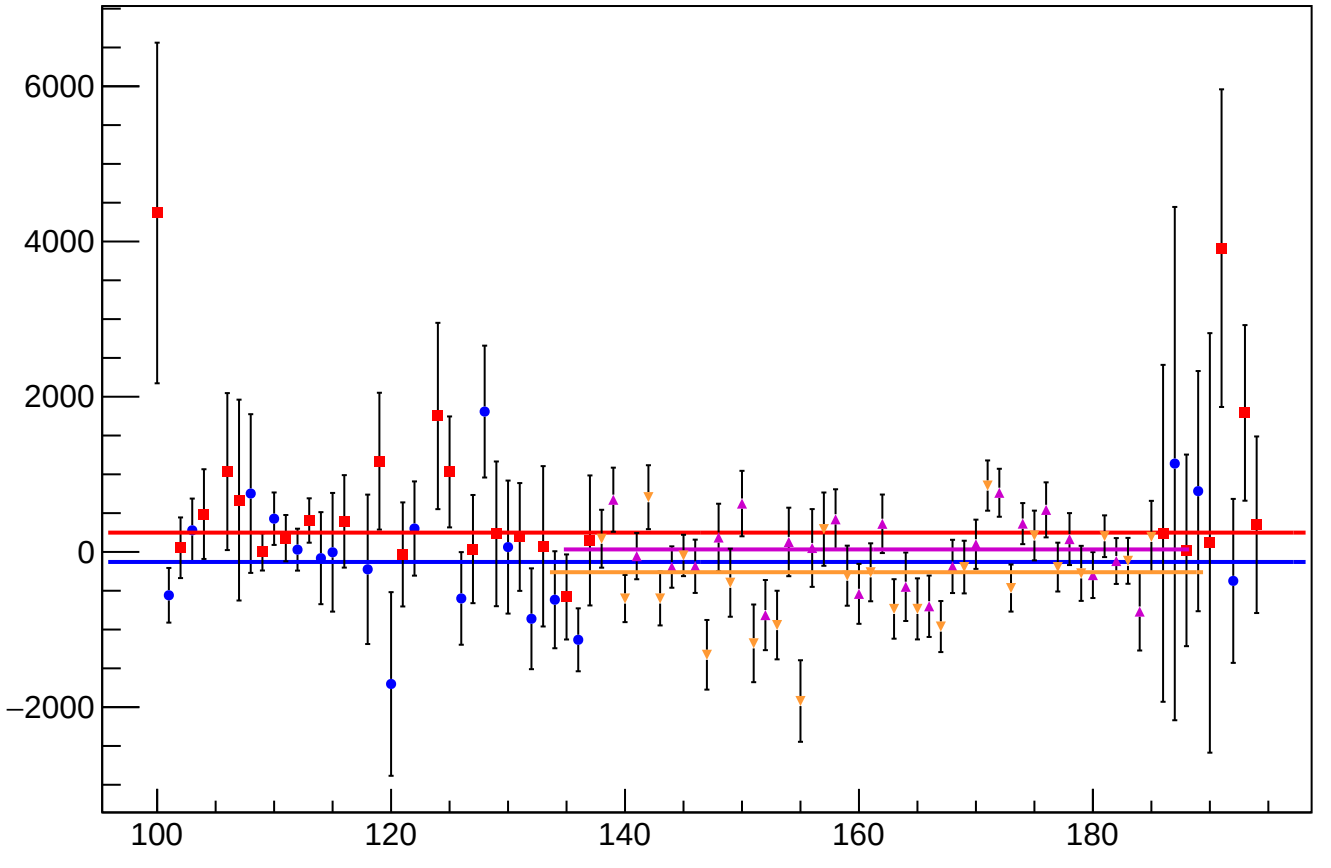
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 71.959+/-0.012 χ^2/NDF: 1835435.5/43

In: 66.427+/-0.009 χ^2/NDF:1031853.7/41

Out: 66.764+/-0.009 χ^2/NDF:1423492.8/49

All: 66.604+/-0.006 χ^2/NDF: 2456062.2/91



Right In: -129.176+/-124.524 χ^2/NDF: 23.0/18

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 248.911+/-115.561 χ^2/NDF: 17.7/24

Left In: 32.423+/-73.837 χ^2/NDF:31.7/22

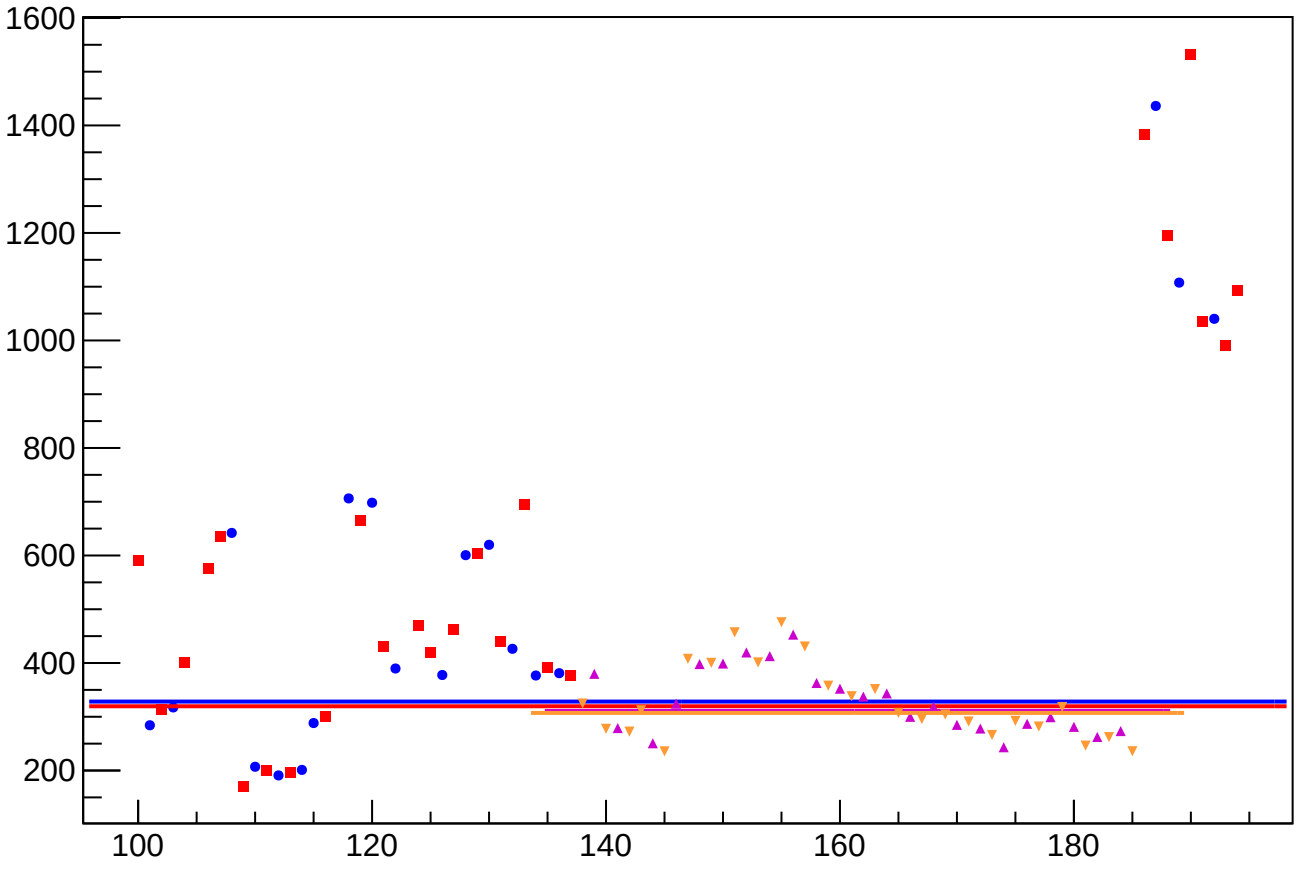
Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

Right: 73.963+/-84.706 χ^2/NDF: 45.7/43

In: -9.614+/-63.511 χ^2/NDF:56.0/41

Out: -120.589+/-60.660 χ^2/NDF:90.6/49

All: -67.648+/-43.867 χ^2/NDF: 148.2/91



Right In: 328.263+/-0.088 χ^2/NDF: 3799872.0/18

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 319.528+/-0.082 χ^2/NDF: 6614900.6/24

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

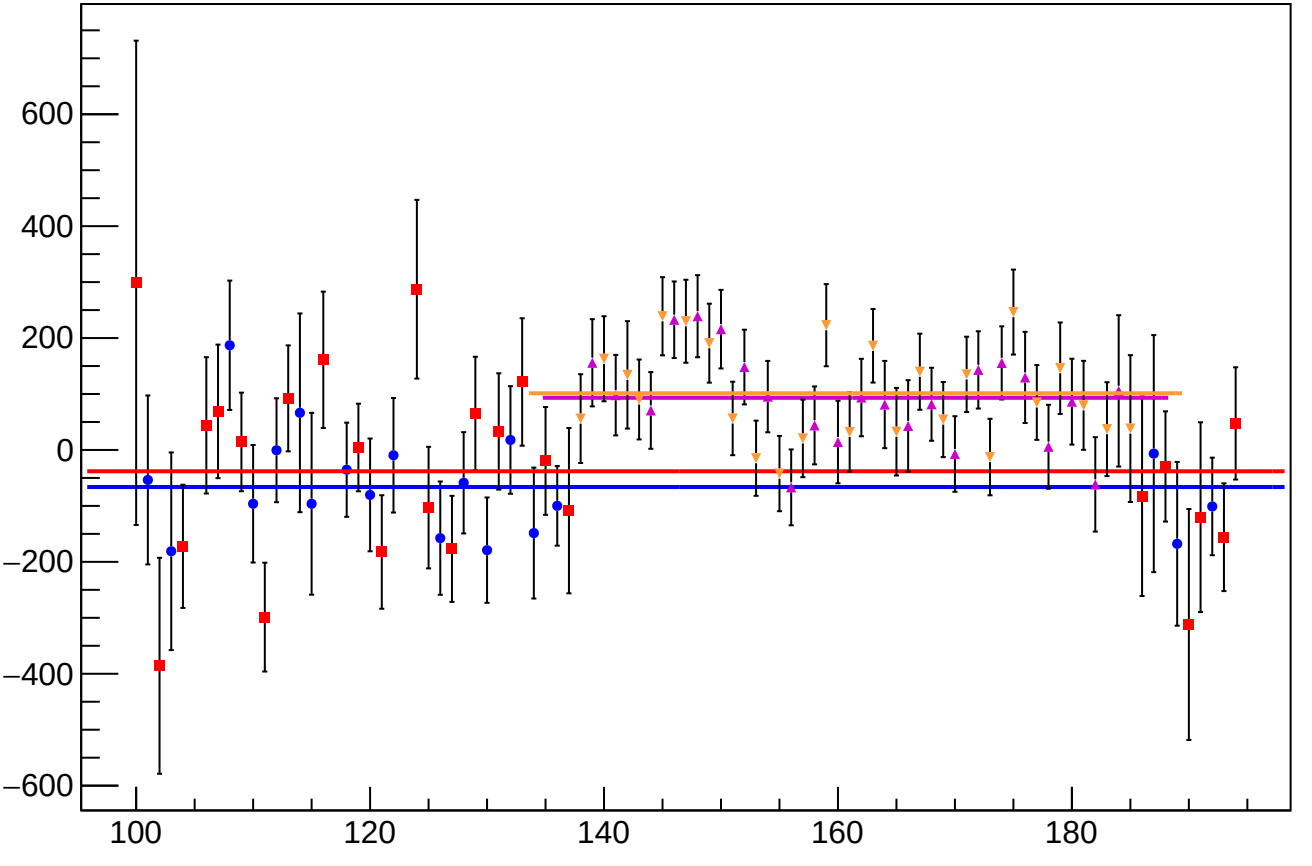
Right: 323.570+/-0.060 χ^2/NDF: 10420059.8/43

In: 315.267+/-0.045 χ^2/NDF:4908792.9/41

Out: 310.556+/-0.043 χ^2/NDF:7951694.7/49

All: 312.803+/-0.031 χ^2/NDF: 12866242.3/91

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -66.259+/-24.443 χ^2/NDF: 11.3/18

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -38.085+/-22.463 χ^2/NDF: 35.7/24

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

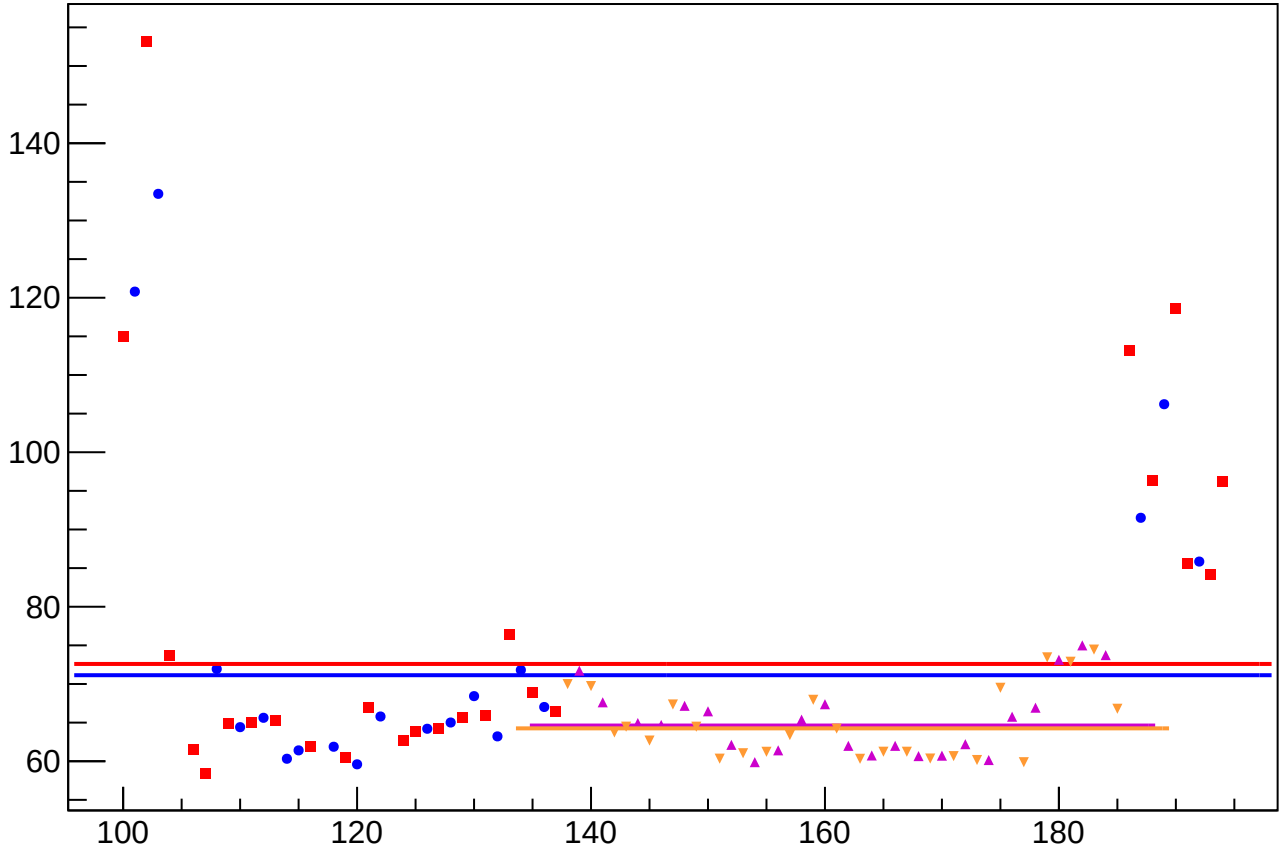
Right: -50.985+/-16.540 χ^2/NDF: 47.7/43

In: 49.026+/-12.869 χ^2/NDF:70.9/41

Out: 59.756+/-12.266 χ^2/NDF:96.6/49

All: 54.648+/-8.879 χ^2/NDF: 167.9/91

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 71.137+/-0.017 χ^2/NDF: 781928.0/18

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 72.593+/-0.016 χ^2/NDF: 1054935.6/24

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

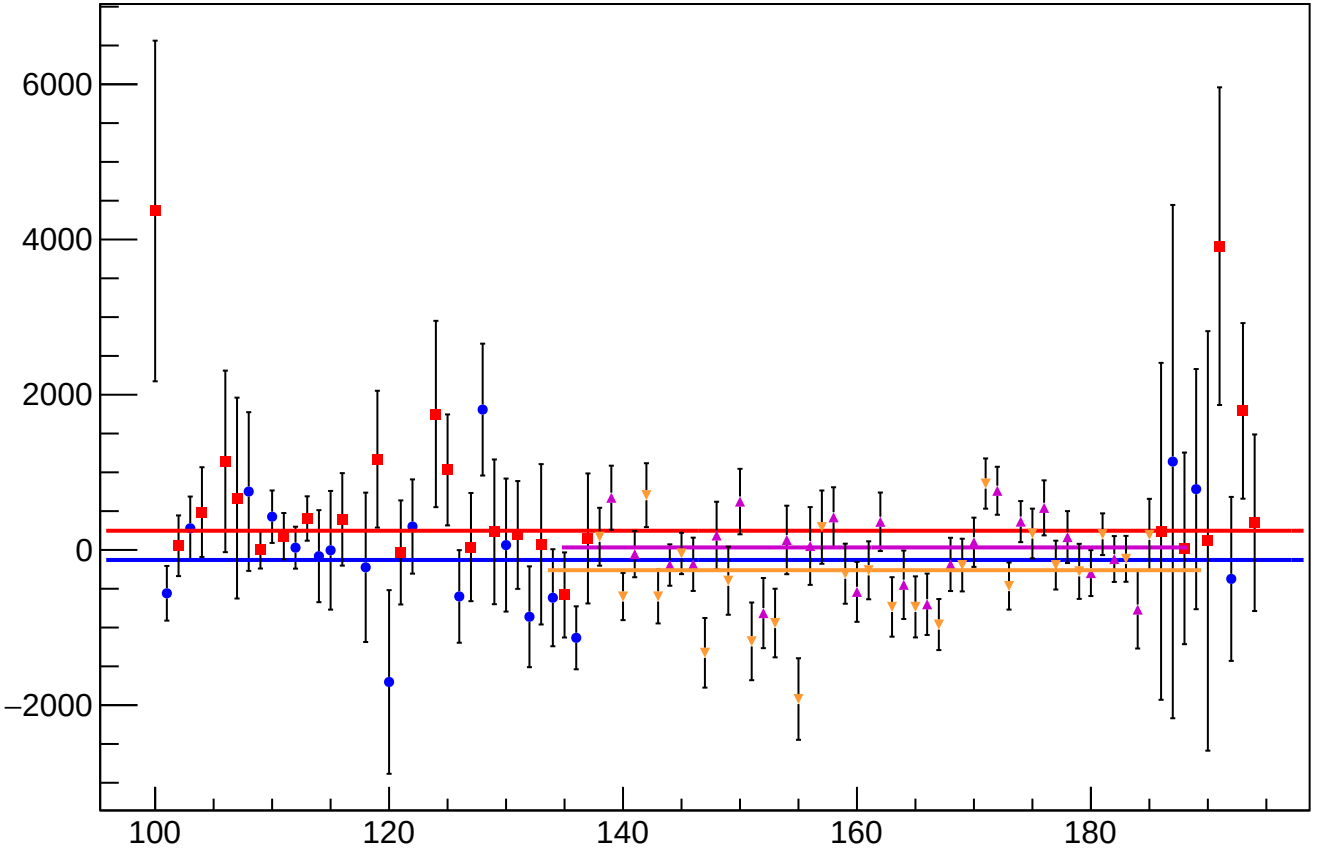
Right: 71.926+/-0.012 χ^2/NDF: 1840711.1/43

In: 66.427+/-0.009 χ^2/NDF:1031854.0/41

Out: 66.742+/-0.009 χ^2/NDF:1425998.6/49

All: 66.592+/-0.006 χ^2/NDF: 2458477.8/91

asym_sam7_cor_correction_mean vs Slug, Sign Corrected



Right In: -129.173+/-124.525 χ^2/NDF: 23.0/18

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 247.359+/-115.757 χ^2/NDF: 17.7/24

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

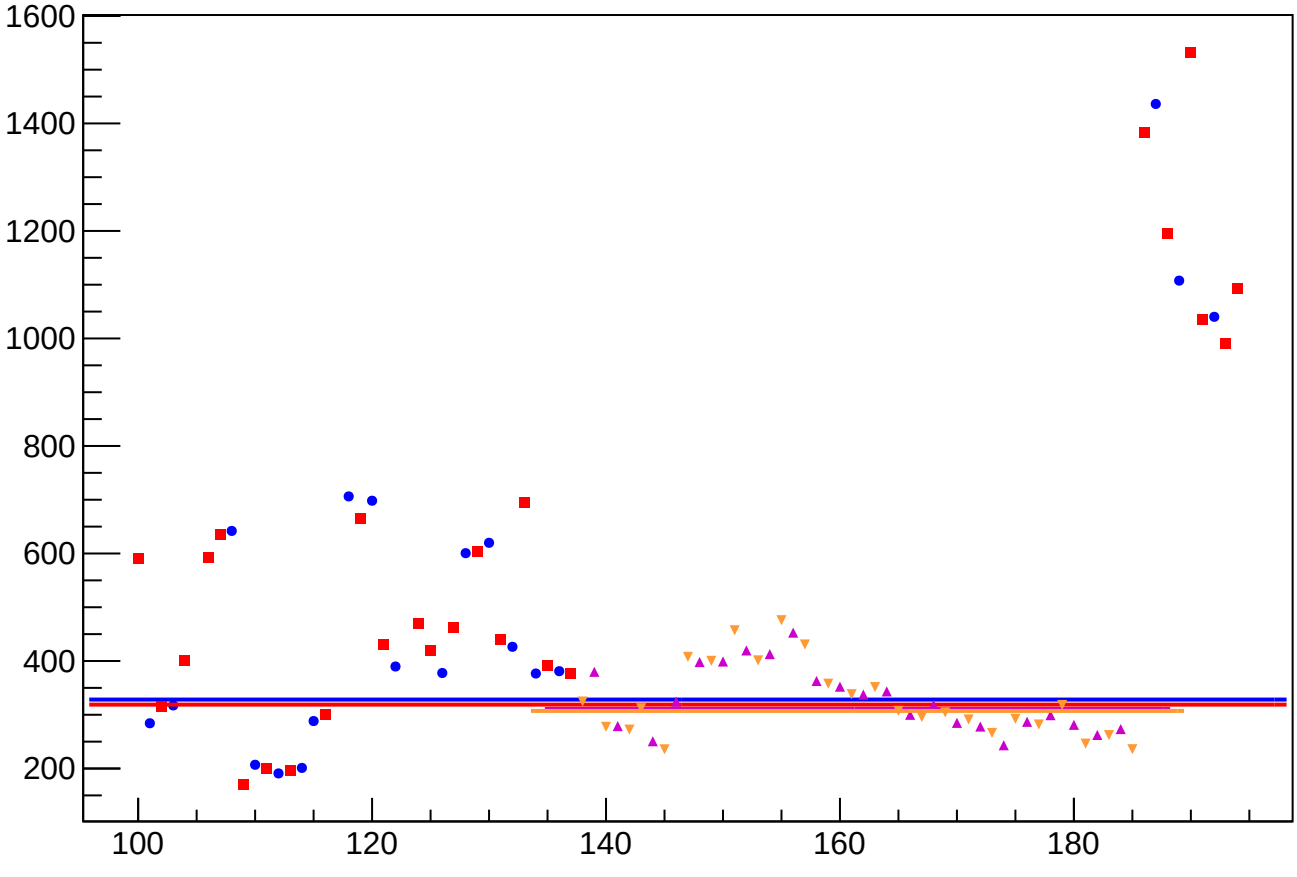
Right: 72.816+/-84.783 χ^2/NDF: 45.6/43

In: -9.615+/-63.512 χ^2/NDF:56.0/41

Out: -121.360+/-60.688 χ^2/NDF:90.5/49

All: -68.026+/-43.877 χ^2/NDF: 148.1/91

asym_sam7_cor_correction_rms vs Slug, Sign Corrected



Right In: 328.265+/-0.088 χ^2/NDF: 3799865.2/18

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 318.872+/-0.082 χ^2/NDF: 6596431.7/24

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

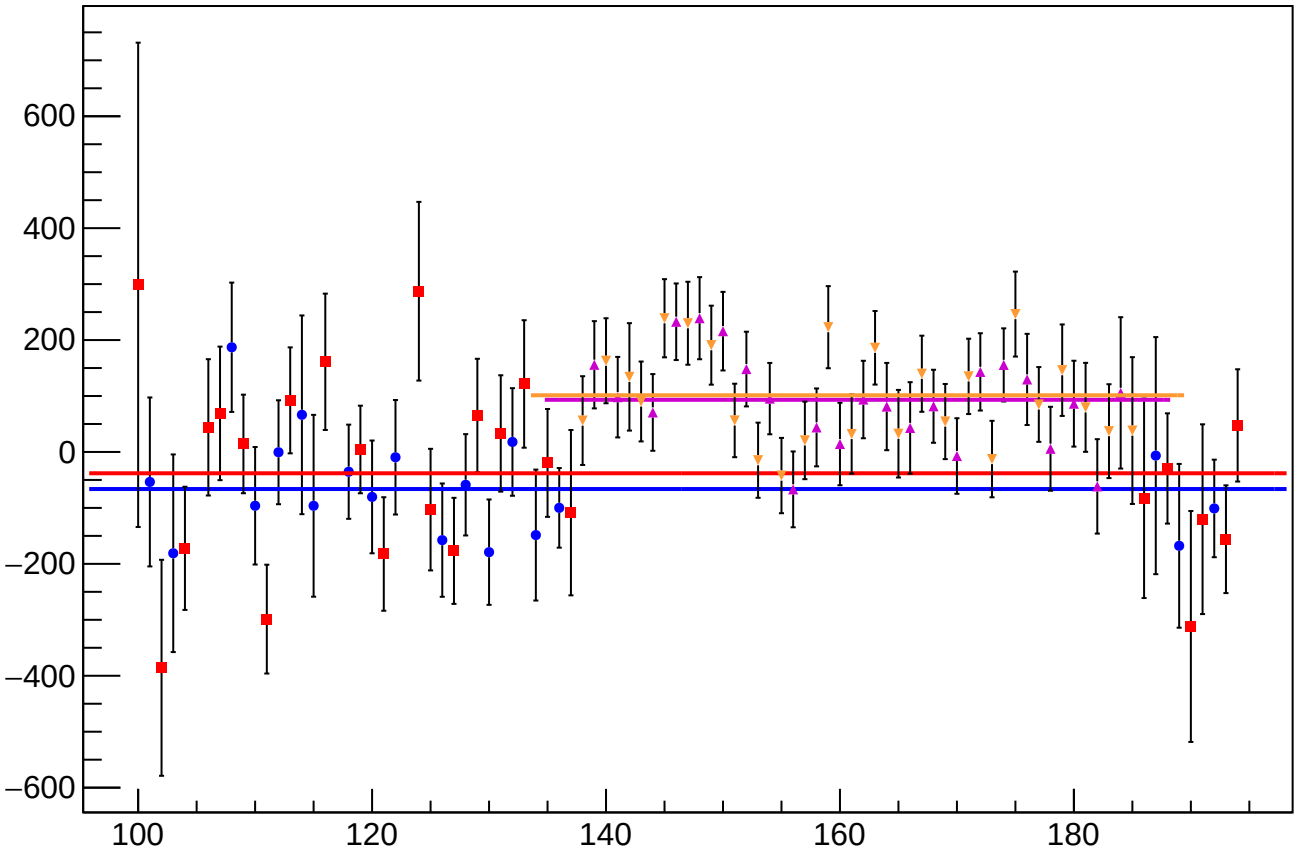
Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

Right: 323.227+/-0.060 χ^2/NDF: 10402401.2/43

In: 315.267+/-0.045 χ^2/NDF:4908795.9/41

Out: 310.367+/-0.043 χ^2/NDF:7931469.4/49

All: 312.706+/-0.031 χ^2/NDF: 12846489.1/91



Right In: -66.259+/-24.443 χ^2/NDF: 11.3/18

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -38.085+/-22.463 χ^2/NDF: 35.7/24

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

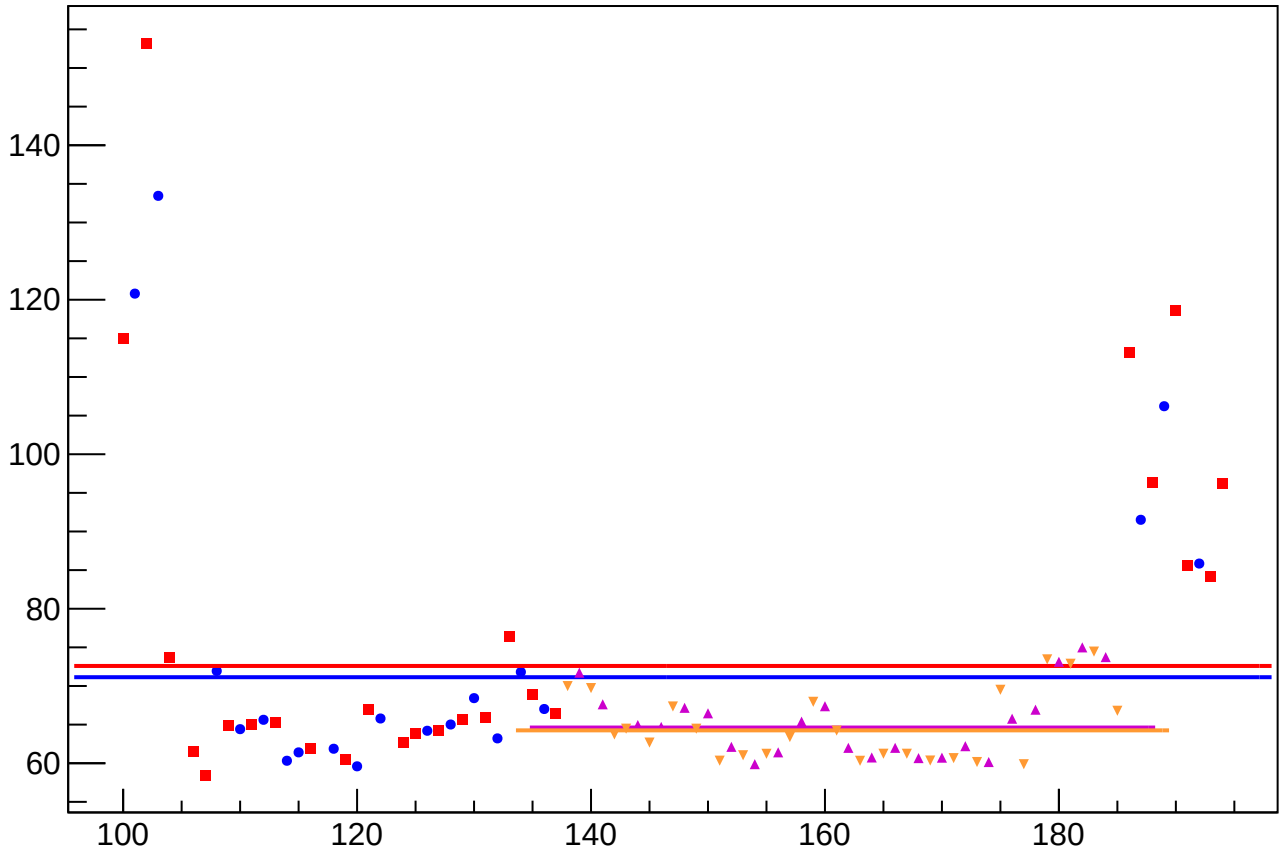
Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

Right: -50.985+/-16.540 χ^2/NDF: 47.7/43

In: 49.026+/-12.869 χ^2/NDF:70.9/41

Out: 59.756+/-12.266 χ^2/NDF:96.6/49

All: 54.648+/-8.879 χ^2/NDF: 167.9/91



Right In: 71.137+/-0.017 χ^2/NDF: 781928.0/18

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 72.593+/-0.016 χ^2/NDF: 1054935.6/24

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

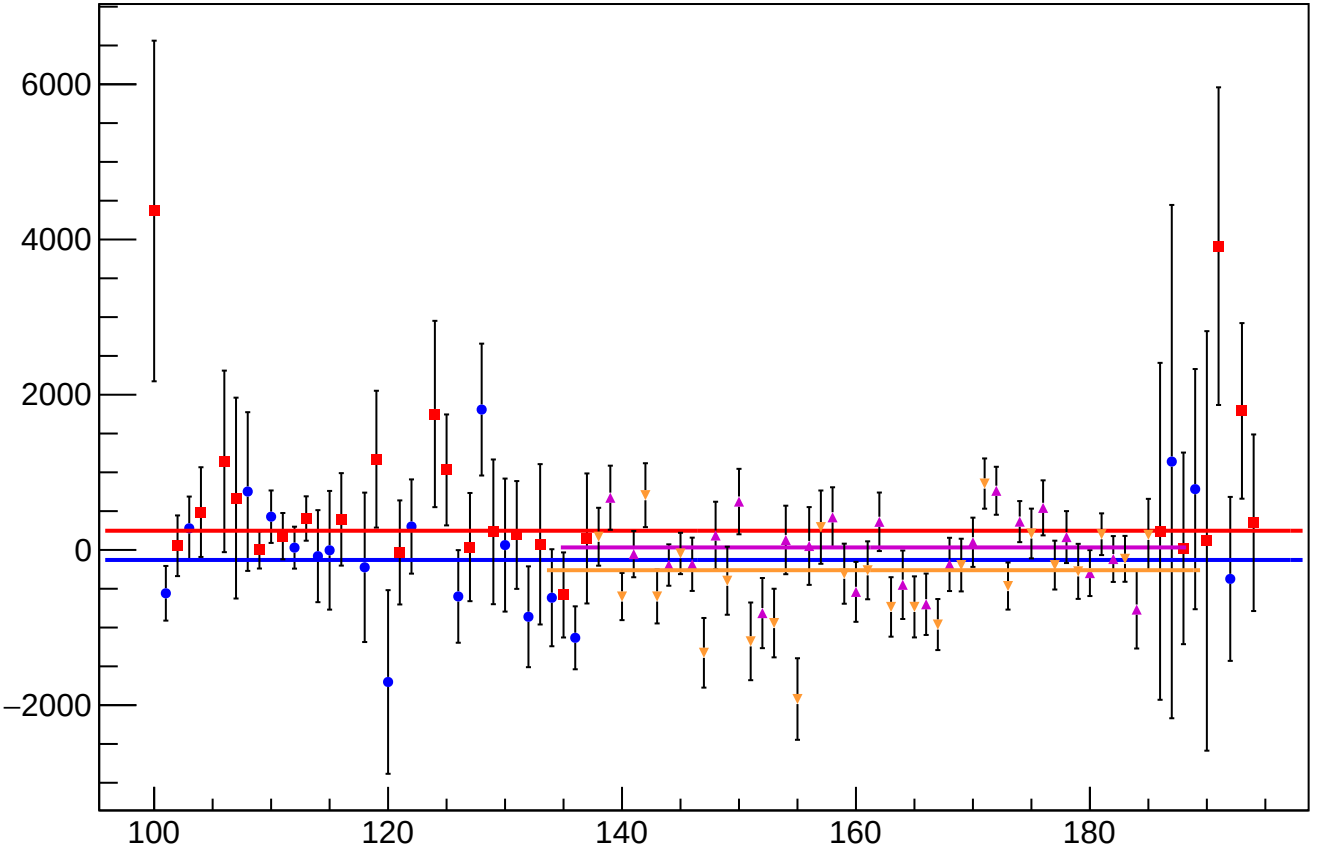
Right: 71.926+/-0.012 χ^2/NDF: 1840711.1/43

In: 66.427+/-0.009 χ^2/NDF:1031854.0/41

Out: 66.742+/-0.009 χ^2/NDF:1425998.6/49

All: 66.592+/-0.006 χ^2/NDF: 2458477.8/91

asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -129.173+/-124.525 χ^2/NDF: 23.0/18

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 247.359+/-115.757 χ^2/NDF: 17.7/24

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

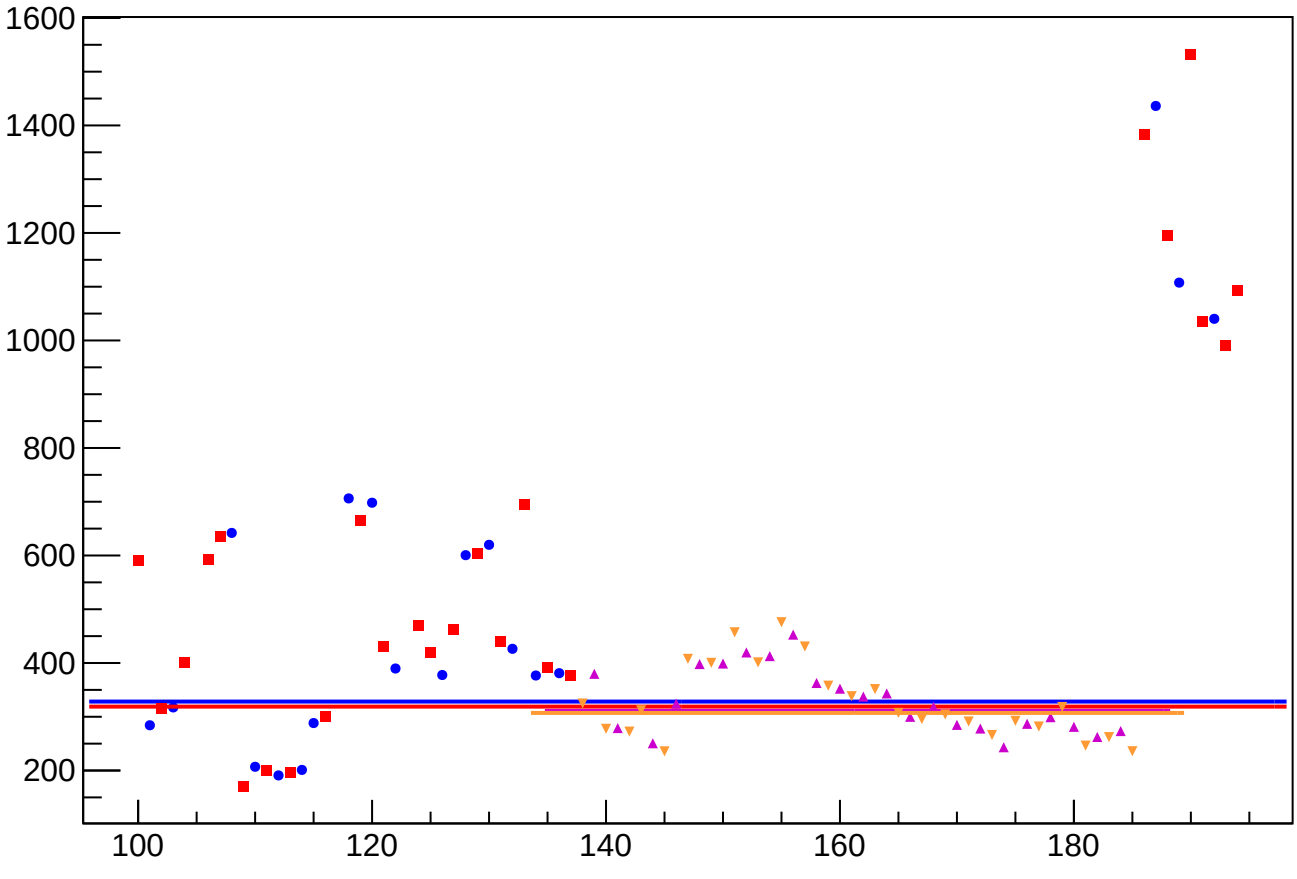
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 72.816+/-84.783 χ^2/NDF: 45.6/43

In: -9.615+/-63.512 χ^2/NDF:56.0/41

Out: -121.360+/-60.688 χ^2/NDF:90.5/49

All: -68.026+/-43.877 χ^2/NDF: 148.1/91



Right In: 328.265+/-0.088 χ^2/NDF: 3799865.2/18

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 318.872+/-0.082 χ^2/NDF: 6596431.7/24

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

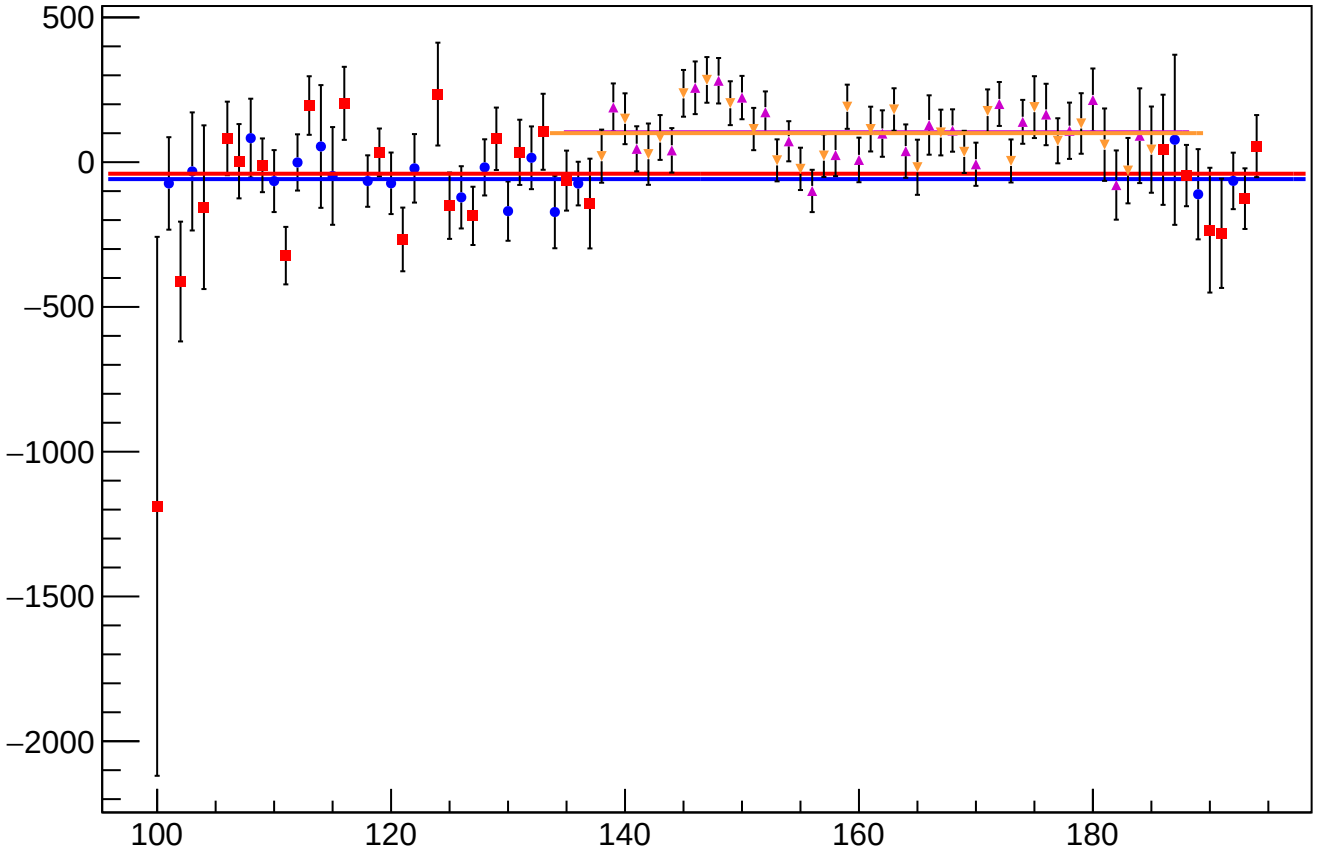
Right: 323.227+/-0.060 χ^2/NDF: 10402401.2/43

In: 315.267+/-0.045 χ^2/NDF:4908795.9/41

Out: 310.367+/-0.043 χ^2/NDF:7931469.4/49

All: 312.706+/-0.031 χ^2/NDF: 12846489.1/91

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -58.507+/-26.486 χ^2/NDF: 5.2/18

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: -39.895+/-24.421 χ^2/NDF: 40.9/24

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

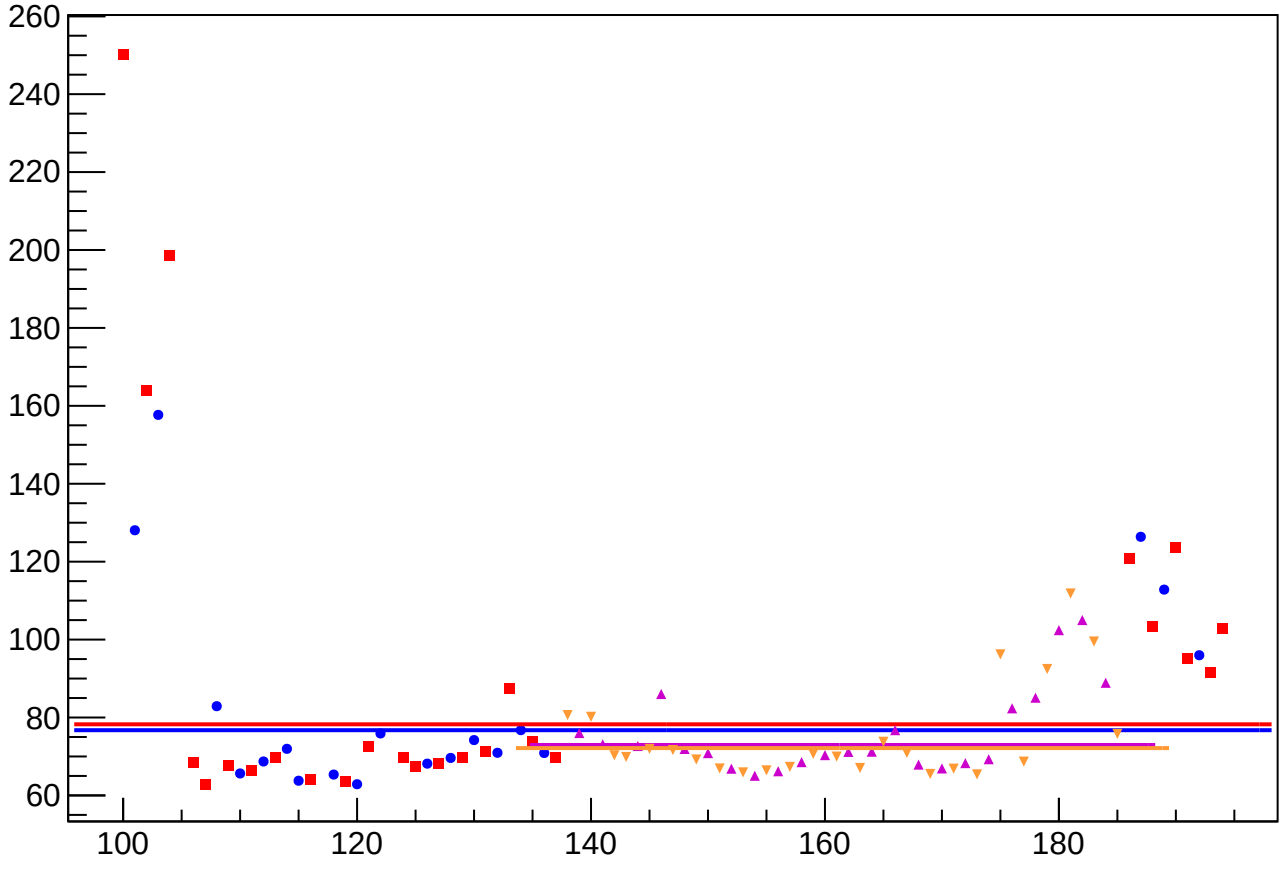
Right: -48.447+/-17.954 χ^2/NDF: 46.3/43

In: 55.110+/-14.461 χ^2/NDF:64.2/41

Out: 55.886+/-13.743 χ^2/NDF:91.1/49

All: 55.518+/-9.962 χ^2/NDF: 155.2/91

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 76.741+/-0.019 χ^2/NDF: 925417.9/18

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 78.252+/-0.017 χ^2/NDF: 1516132.2/24

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

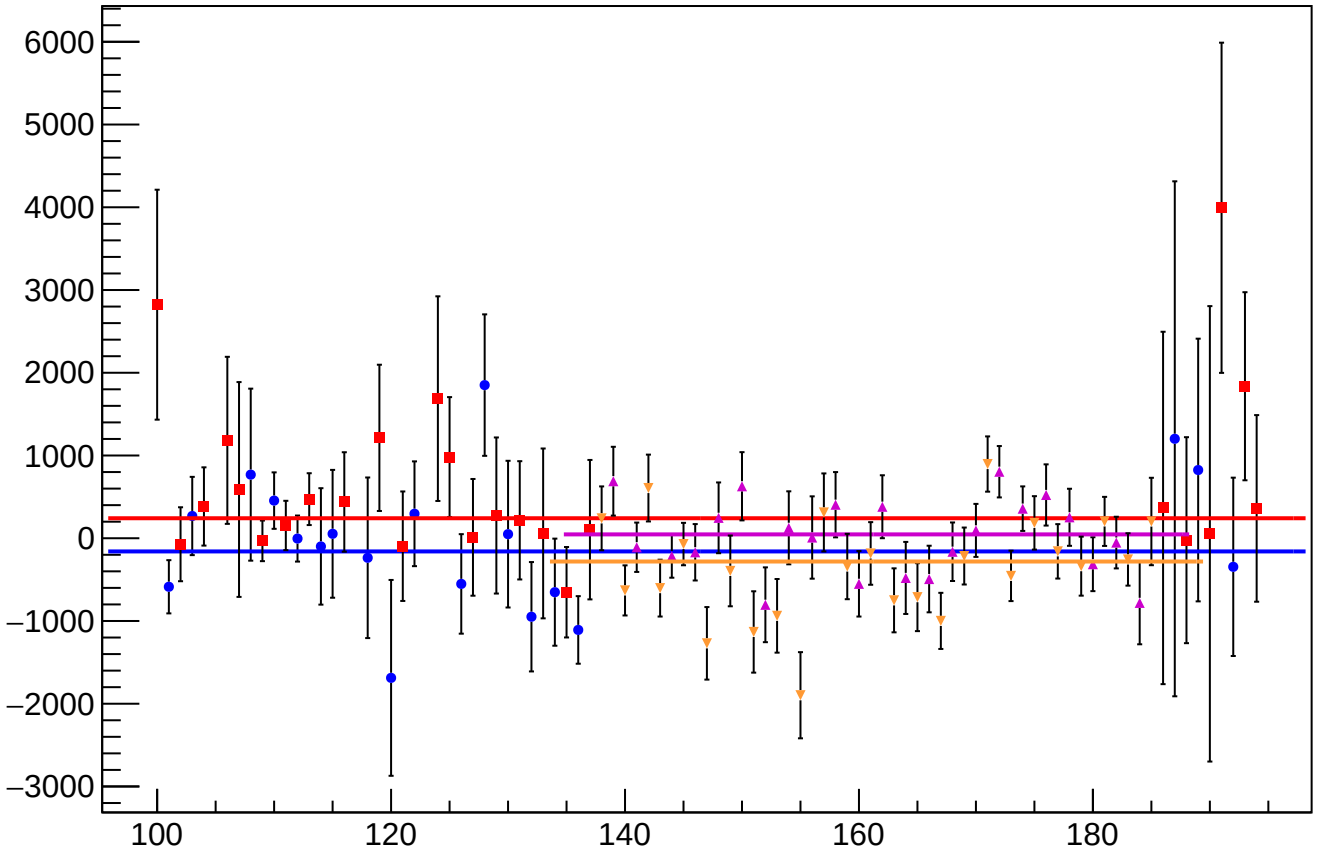
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 77.558+/-0.013 χ^2/NDF: 2445065.8/43

In: 74.079+/-0.010 χ^2/NDF:1463236.1/41

Out: 74.082+/-0.010 χ^2/NDF:2243426.1/49

All: 74.081+/-0.007 χ^2/NDF: 3706662.3/91



Right In: -159.386+/-127.019 χ^2/NDF: 23.2/18

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 241.682+/-117.758 χ^2/NDF: 19.2/24

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

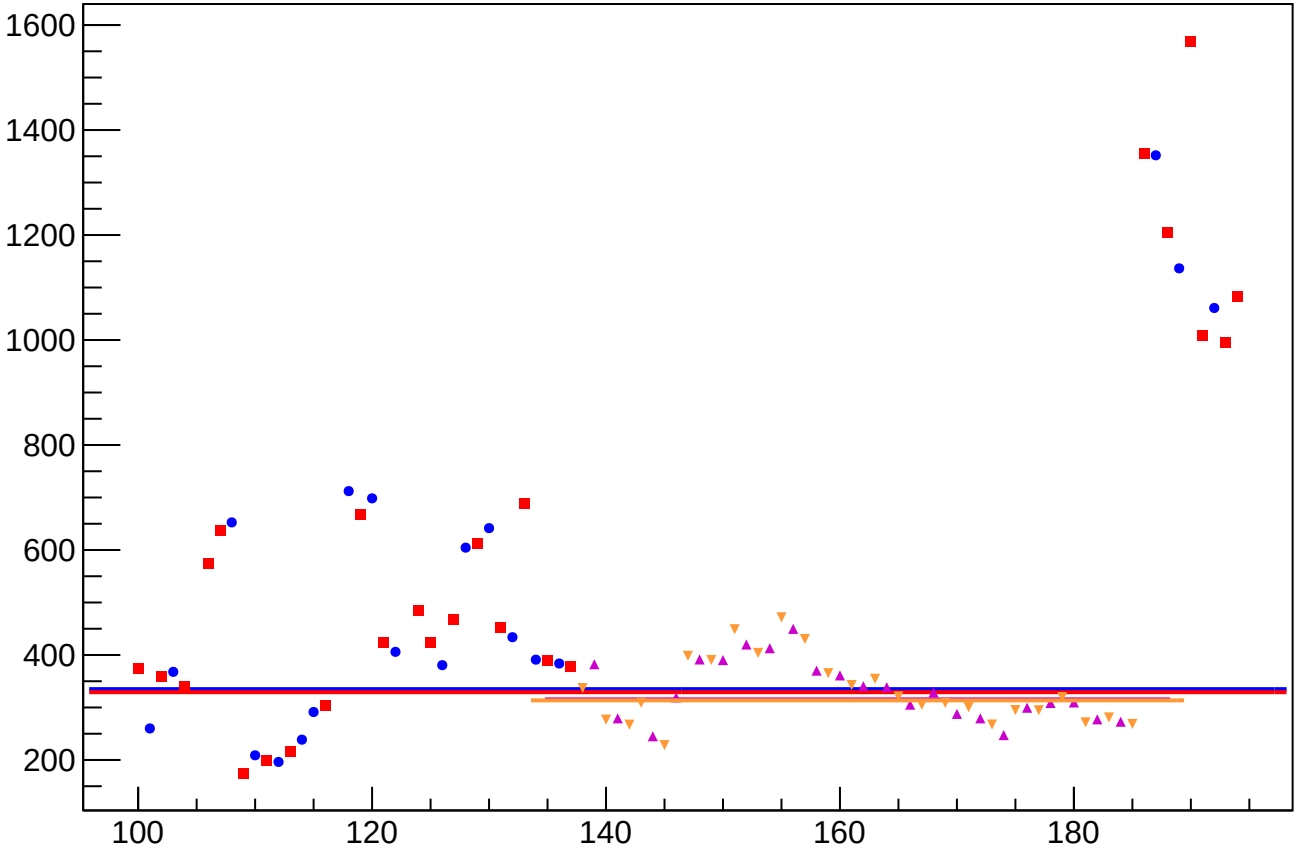
Right: 56.301+/-86.356 χ^2/NDF: 47.8/43

In: -6.565+/-64.516 χ^2/NDF:55.9/41

Out: -137.375+/-61.761 χ^2/NDF:90.4/49

All: -74.823+/-44.614 χ^2/NDF: 148.4/91

asym_sam7_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.957+/-0.090 χ^2/NDF: 3803853.9/18

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 329.129+/-0.083 χ^2/NDF: 6358545.7/24

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

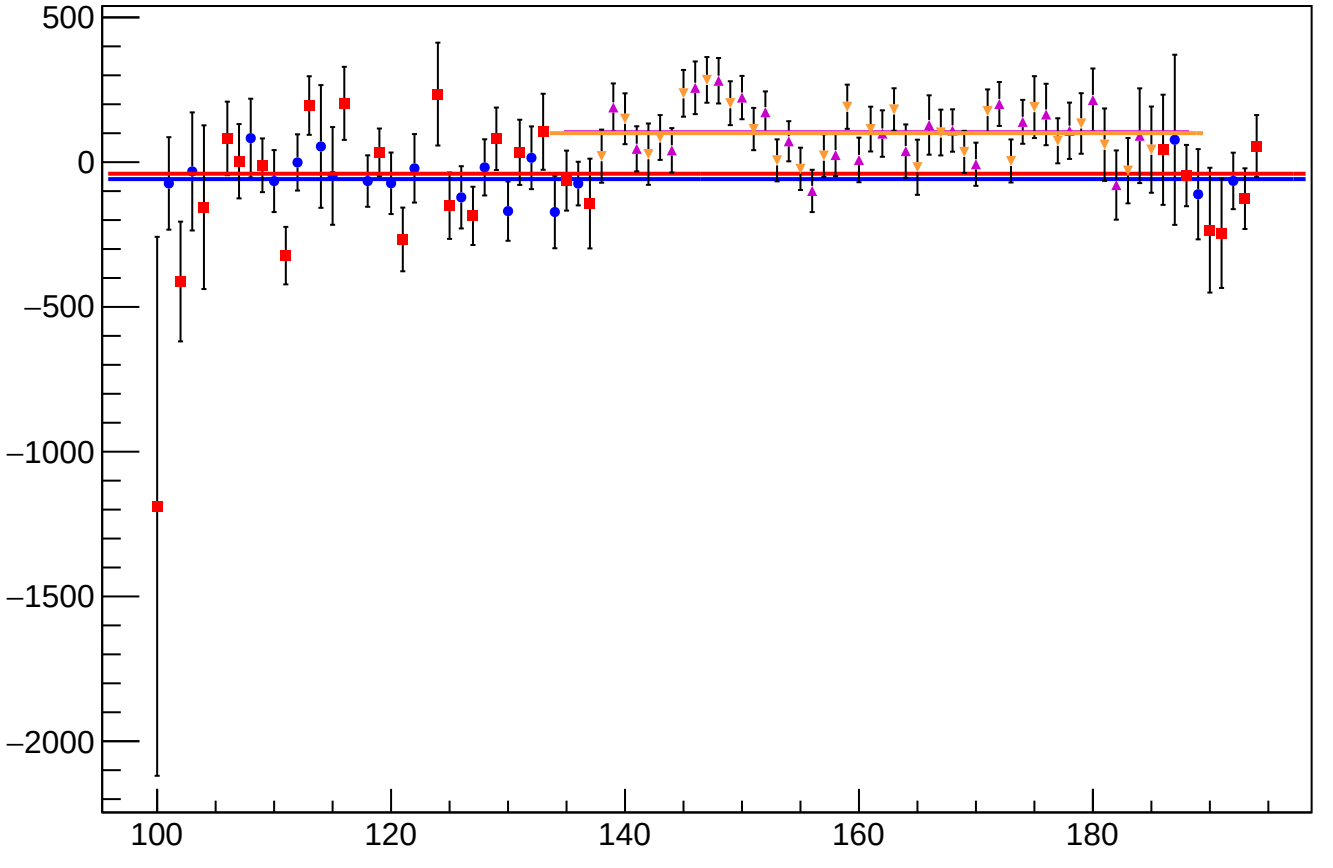
Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

Right: 331.823+/-0.061 χ^2/NDF: 10164664.2/43

In: 320.487+/-0.046 χ^2/NDF:4847359.1/41

Out: 317.799+/-0.044 χ^2/NDF:7559612.5/49

All: 319.084+/-0.032 χ^2/NDF: 12408782.4/91



Right In: -58.507+/-26.486 χ^2/NDF: 5.2/18

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: -39.896+/-24.421 χ^2/NDF: 40.9/24

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

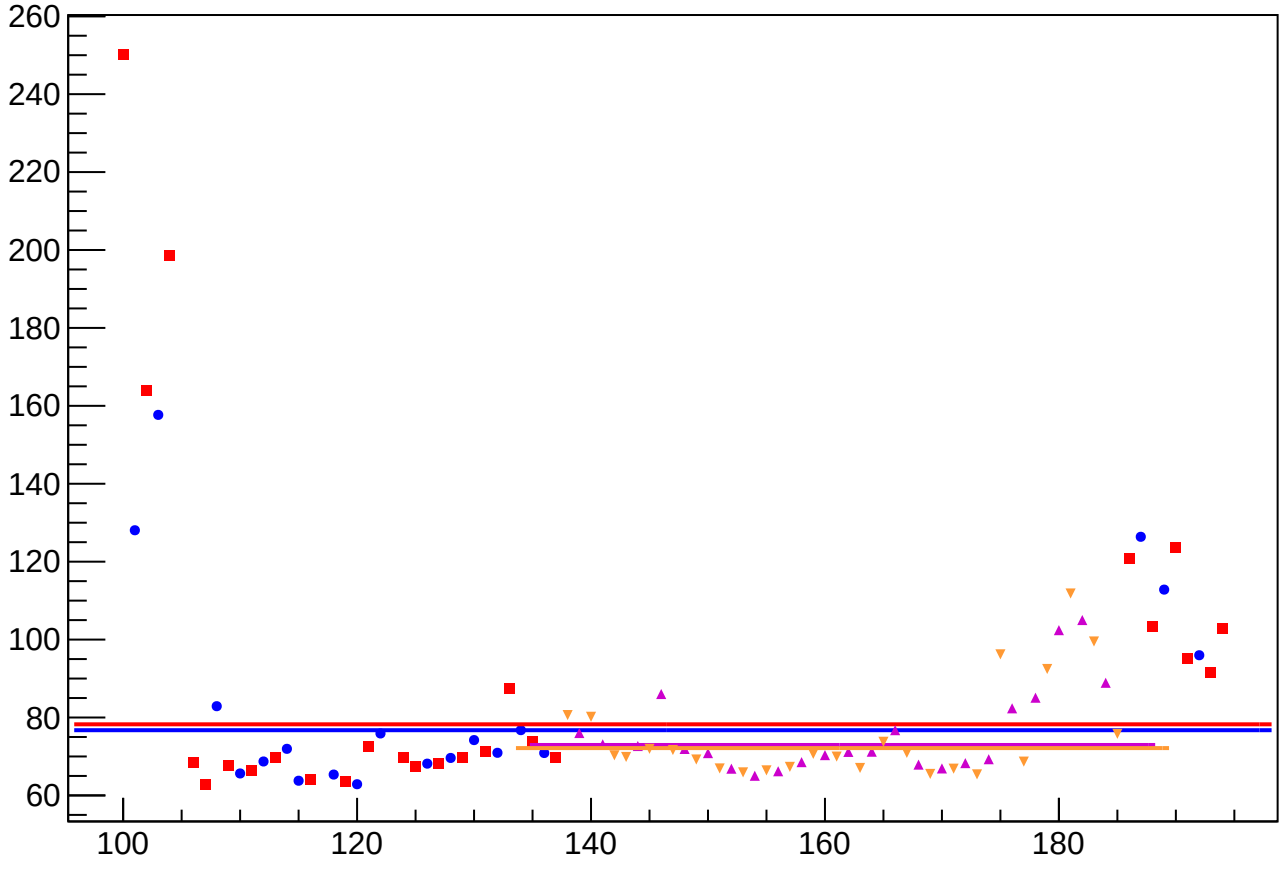
Right: -48.448+/-17.954 χ^2/NDF: 46.3/43

In: 55.110+/-14.461 χ^2/NDF:64.2/41

Out: 55.886+/-13.743 χ^2/NDF:91.1/49

All: 55.517+/-9.962 χ^2/NDF: 155.2/91

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 76.741+/-0.019 χ^2/NDF: 925425.1/18

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 78.251+/-0.017 χ^2/NDF: 1516128.7/24

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

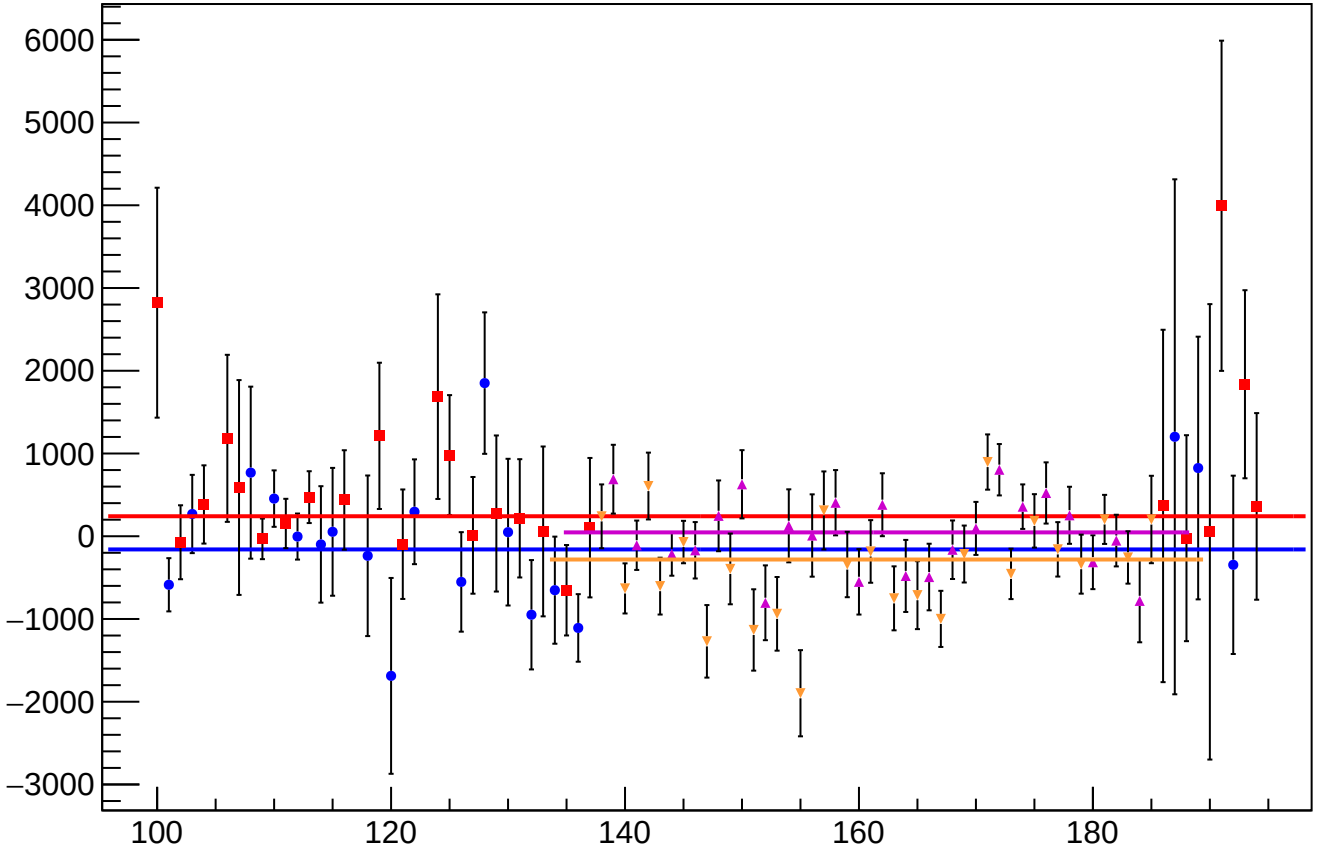
Right: 77.557+/-0.013 χ^2/NDF: 2445069.4/43

In: 74.079+/-0.010 χ^2/NDF:1463241.6/41

Out: 74.082+/-0.010 χ^2/NDF:2243416.3/49

All: 74.081+/-0.007 χ^2/NDF: 3706657.9/91

asym_sam7_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -159.384+/-127.019 χ^2/NDF: 23.2/18

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 241.681+/-117.758 χ^2/NDF: 19.2/24

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

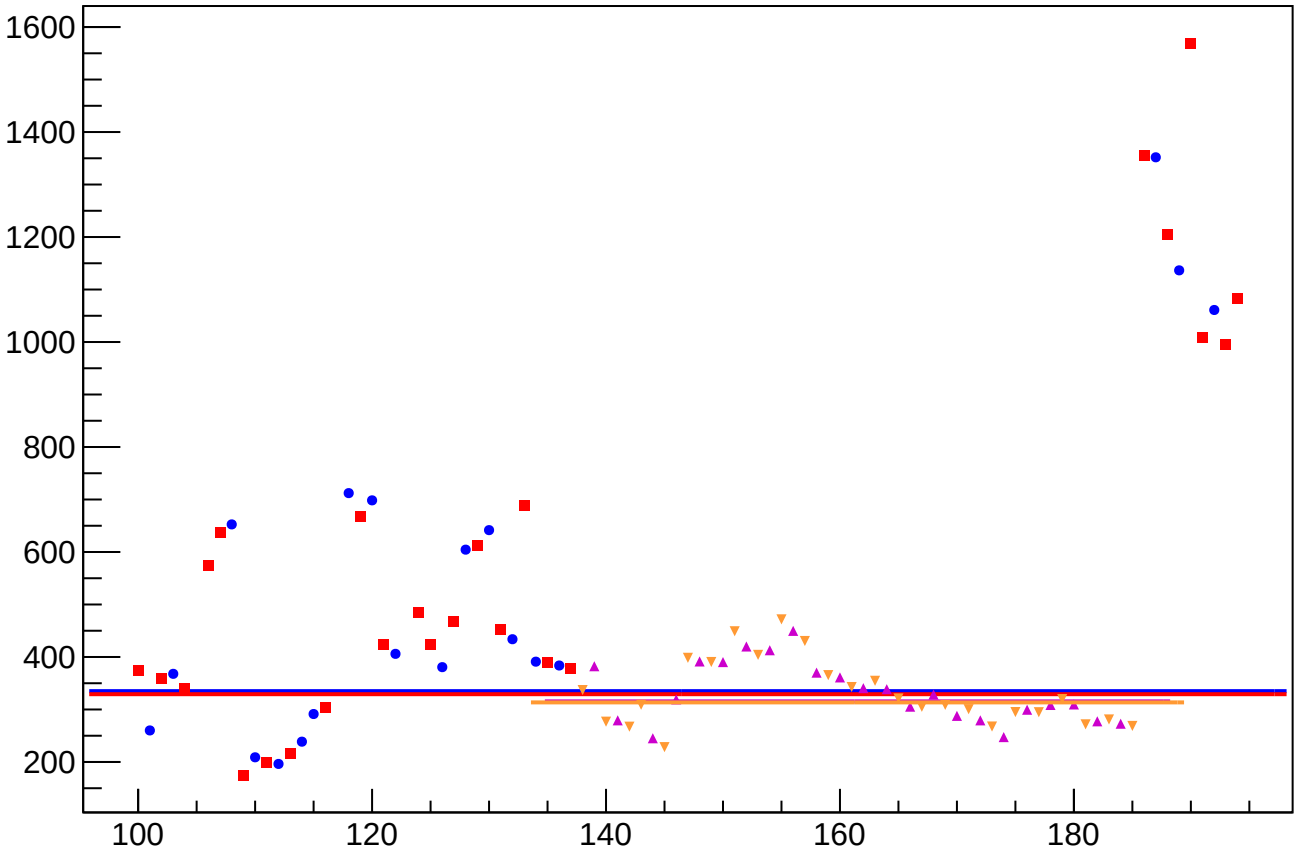
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 56.300+/-86.356 χ^2/NDF: 47.8/43

In: -6.566+/-64.516 χ^2/NDF:55.9/41

Out: -137.374+/-61.761 χ^2/NDF:90.4/49

All: -74.823+/-44.614 χ^2/NDF: 148.4/91



Right In: 334.954+/-0.090 χ^2/NDF: 3803895.6/18

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 329.127+/-0.083 χ^2/NDF: 6358571.1/24

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

Left: 314.447+/-0.037 χ^2/NDF: 2184760.0/47

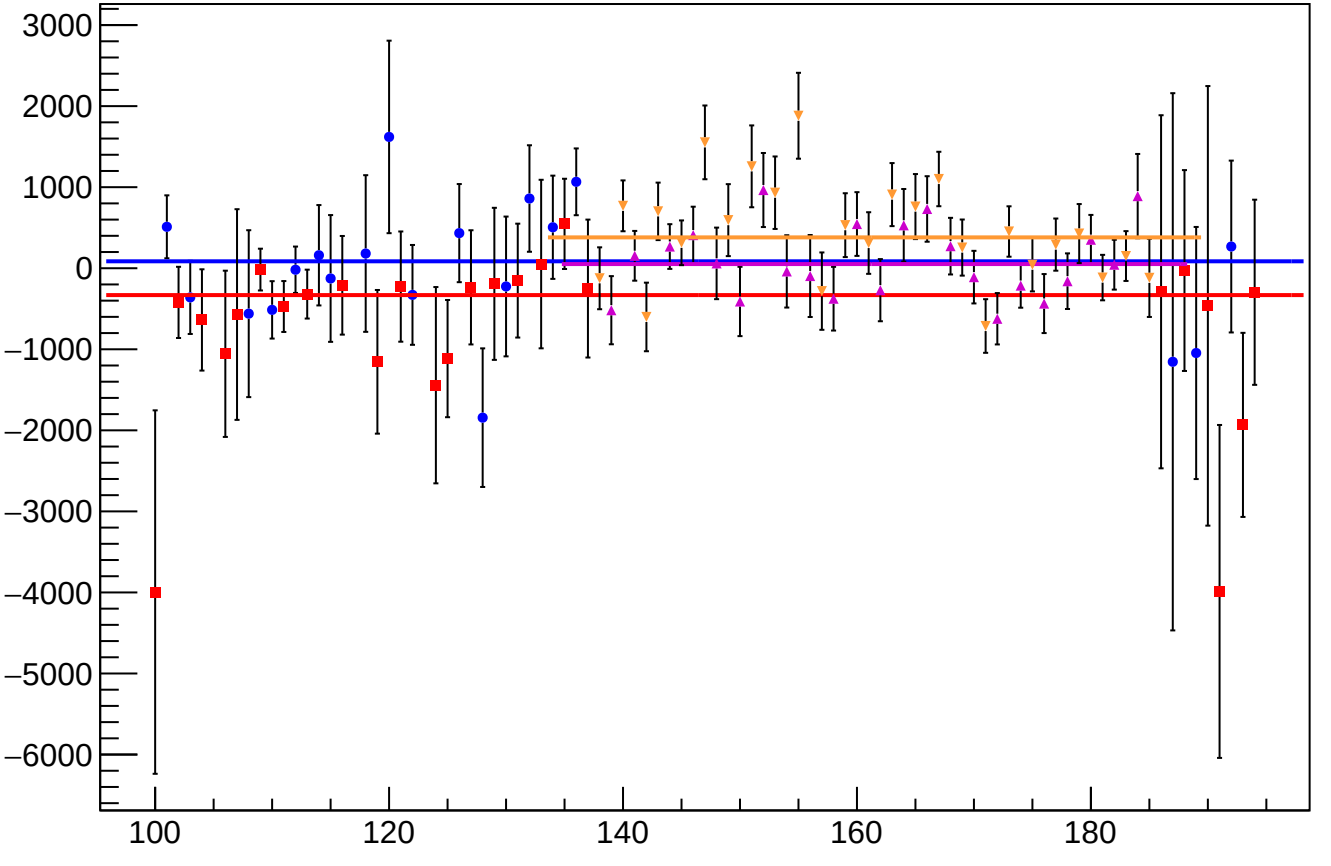
Right: 331.821+/-0.061 χ^2/NDF: 10164730.7/43

In: 320.486+/-0.046 χ^2/NDF:4847389.7/41

Out: 317.799+/-0.044 χ^2/NDF:7559637.7/49

All: 319.084+/-0.032 χ^2/NDF: 12408838.2/91

asym_sam7_mean vs Slug, Sign Corrected



Right In: 85.519+/-130.355 χ^2/NDF: 21.5/18

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: -331.354+/-121.356 χ^2/NDF: 16.1/24

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

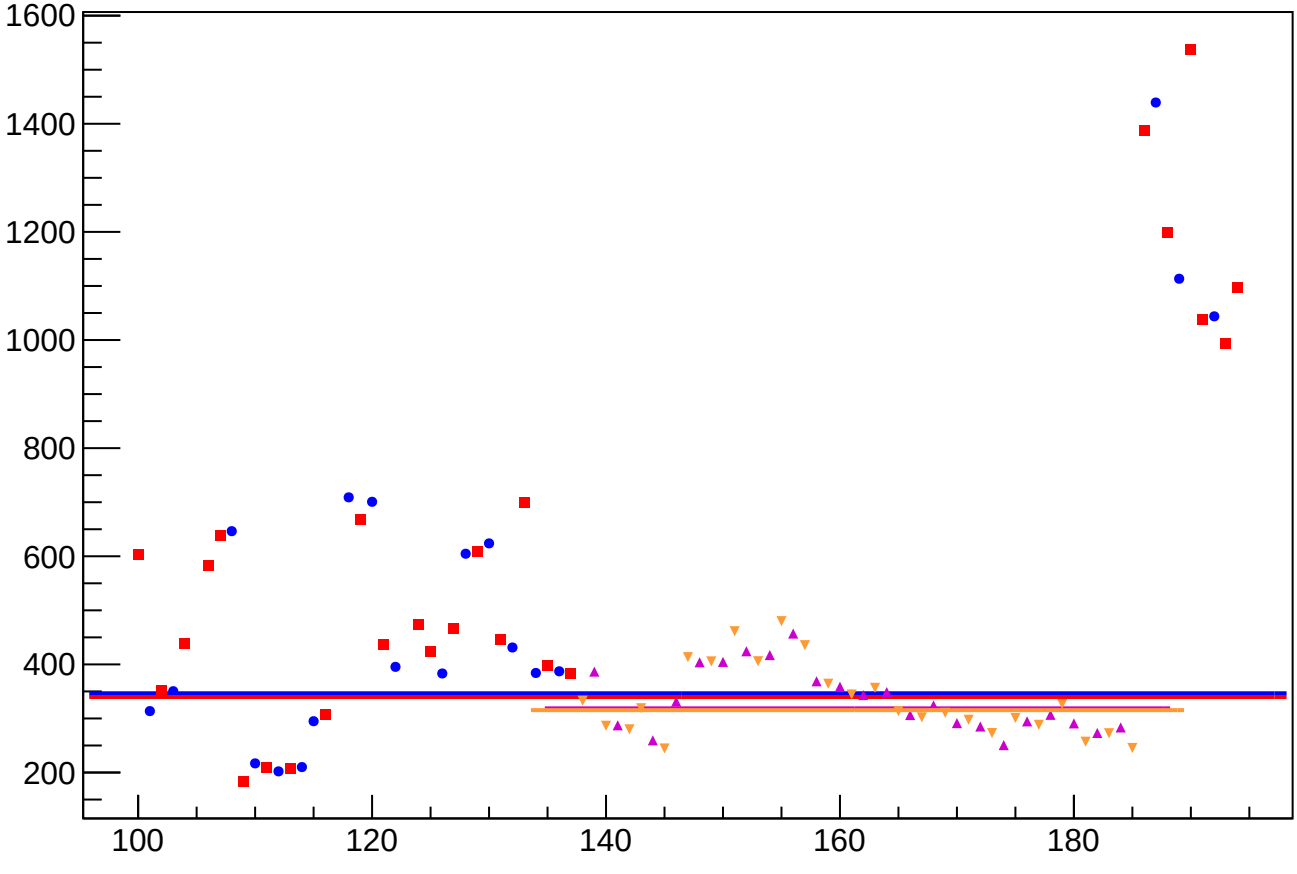
Right: -137.802+/-88.823 χ^2/NDF: 43.1/43

In: 60.048+/-65.417 χ^2/NDF:49.8/41

Out: 191.234+/-62.590 χ^2/NDF:96.8/49

All: 128.536+/-45.224 χ^2/NDF: 148.6/91

asym_sam7_rms vs Slug, Sign Corrected



Right In: 346.614+/-0.092 χ^2/NDF: 3565000.0/18

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 339.724+/-0.086 χ^2/NDF: 6265630.5/24

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

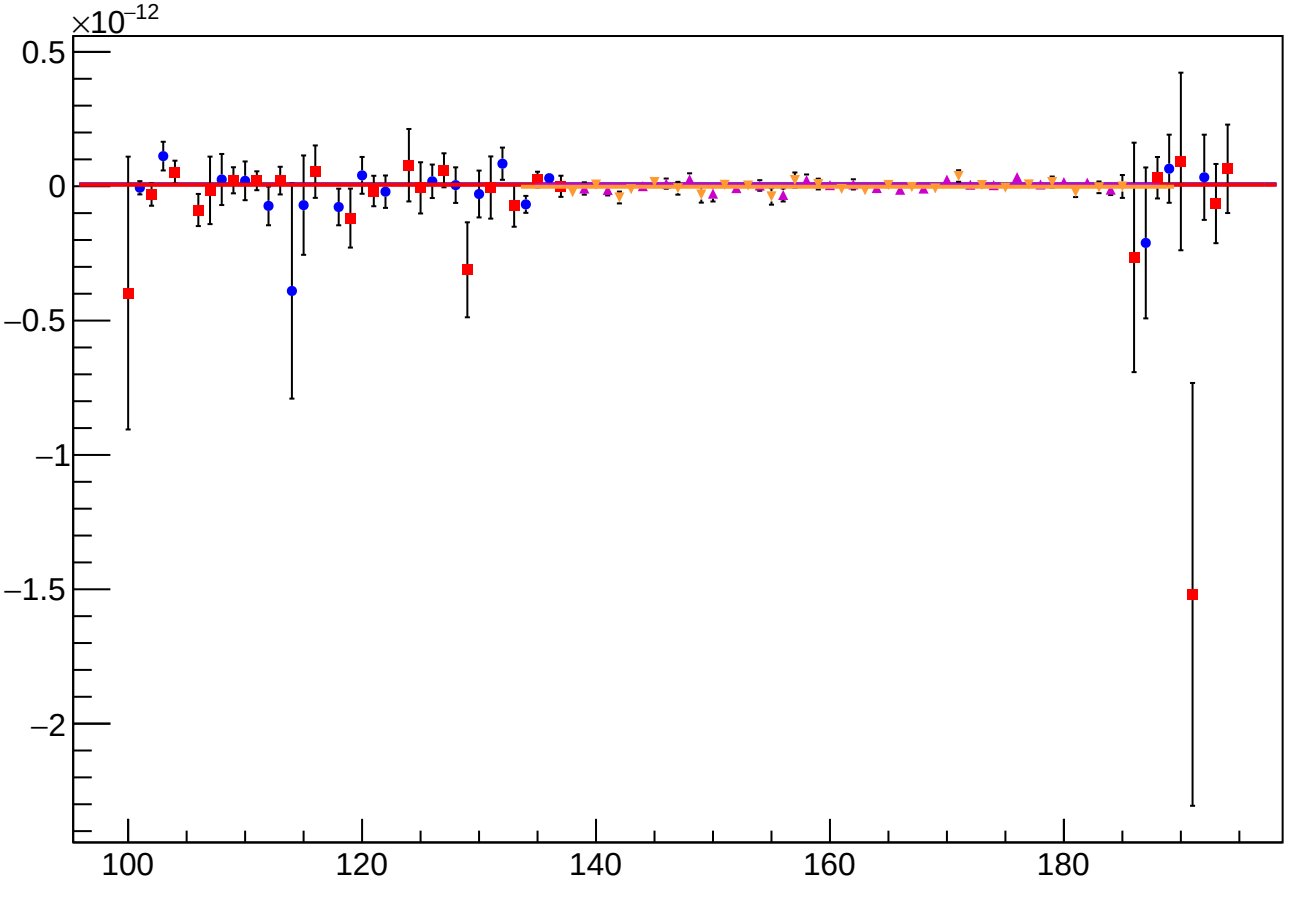
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 342.923+/-0.063 χ^2/NDF: 9833623.7/43

In: 325.721+/-0.046 χ^2/NDF:4625278.2/41

Out: 321.867+/-0.044 χ^2/NDF:7534735.2/49

All: 323.709+/-0.032 χ^2/NDF: 12163637.5/91



Right In: 0.000+/-0.000 χ^2/NDF: 18.5/18

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.5/24

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

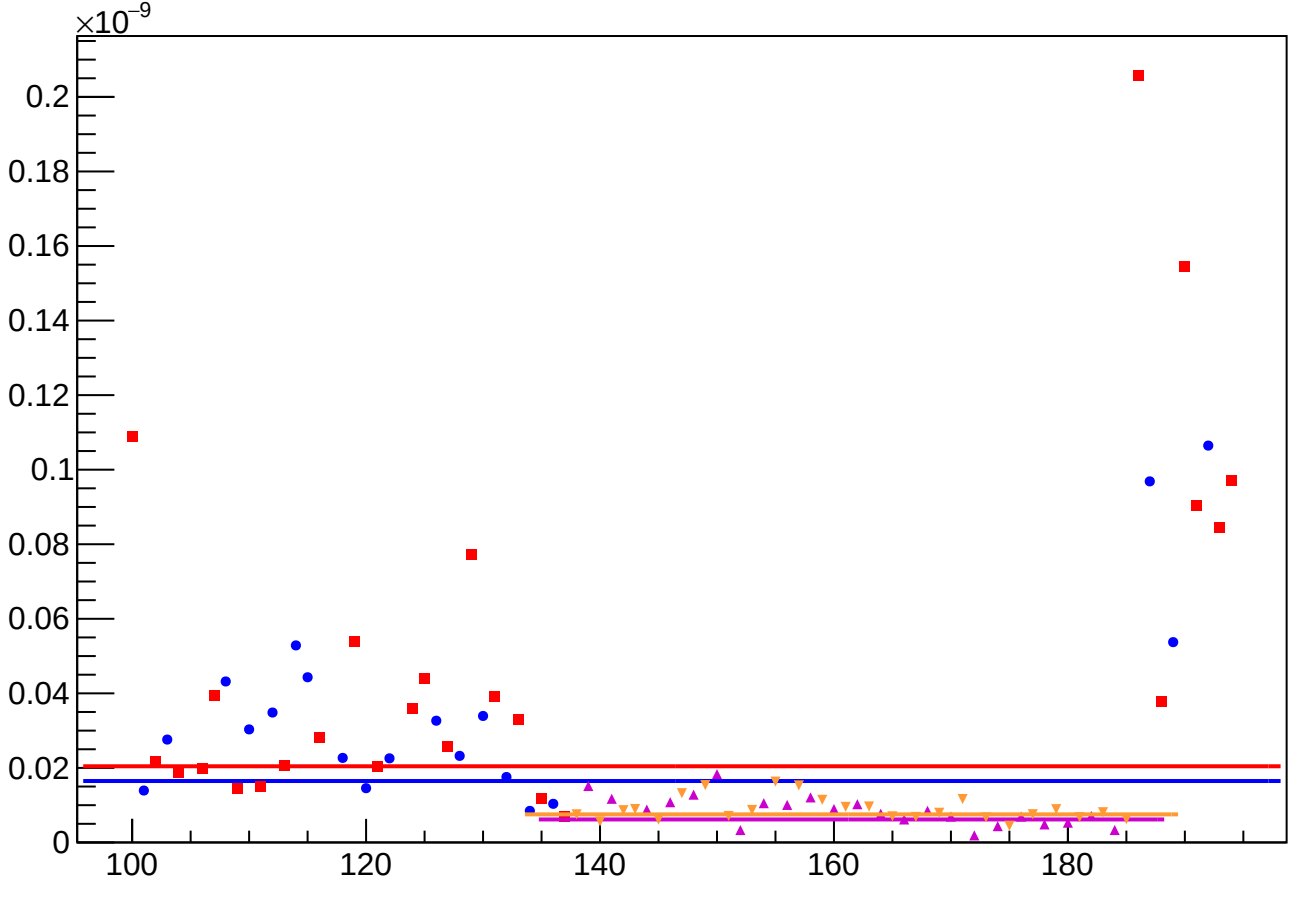
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 36.1/43

In: 0.000+/-0.000 χ^2/NDF:36.3/41

Out: -0.000+/-0.000 χ^2/NDF:36.8/49

All: 0.000+/-0.000 χ^2/NDF: 75.2/91



Right In: 0.000+/-0.000 χ^2/NDF: 2156855.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2904004.8/24

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

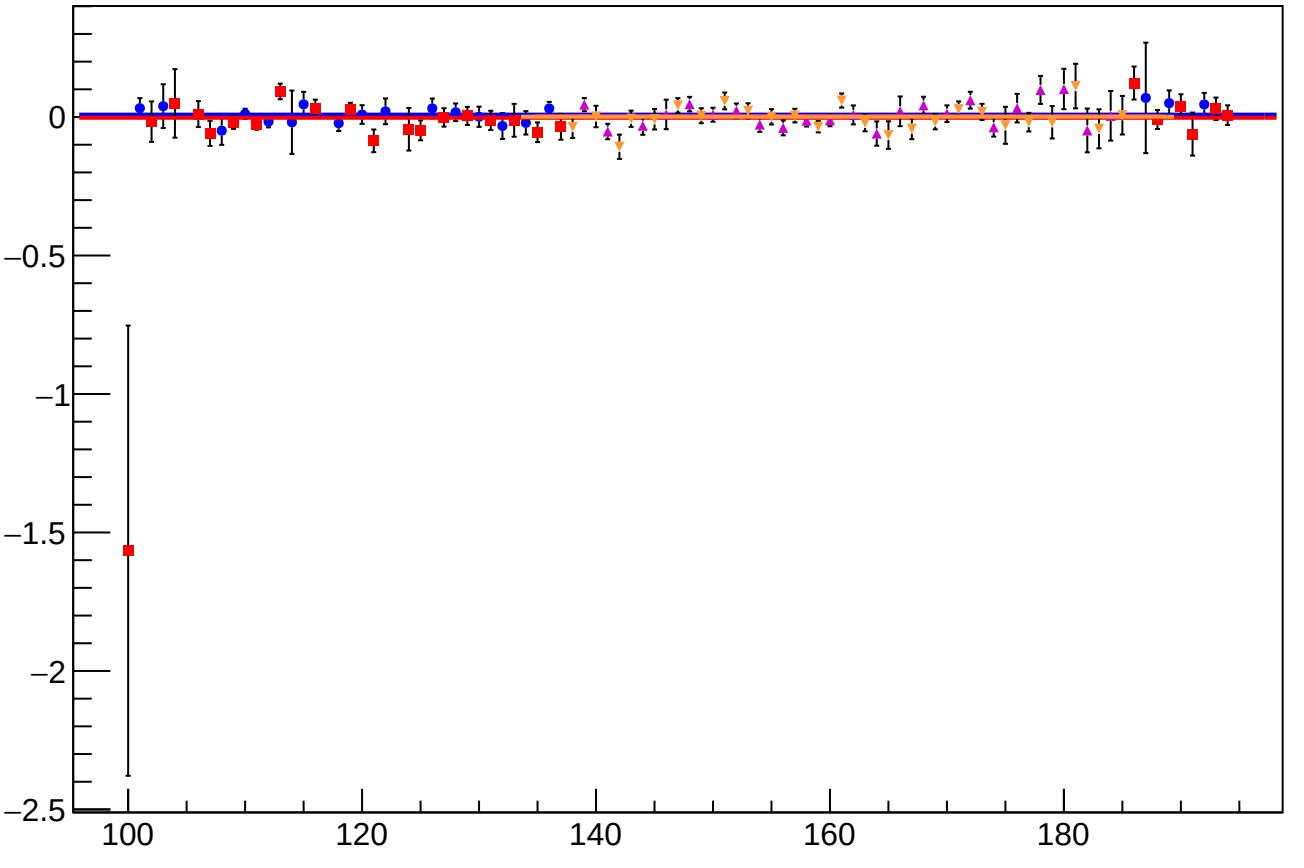
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 5174017.5/43

In: 0.000+/-0.000 χ^2/NDF:6611142.3/41

Out: 0.000+/-0.000 χ^2/NDF:6092229.3/49

All: 0.000+/-0.000 χ^2/NDF: 12925782.8/91



Right In: 0.009+/-0.008 χ^2/NDF: 9.7/18

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.003+/-0.007 χ^2/NDF: 36.8/24

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

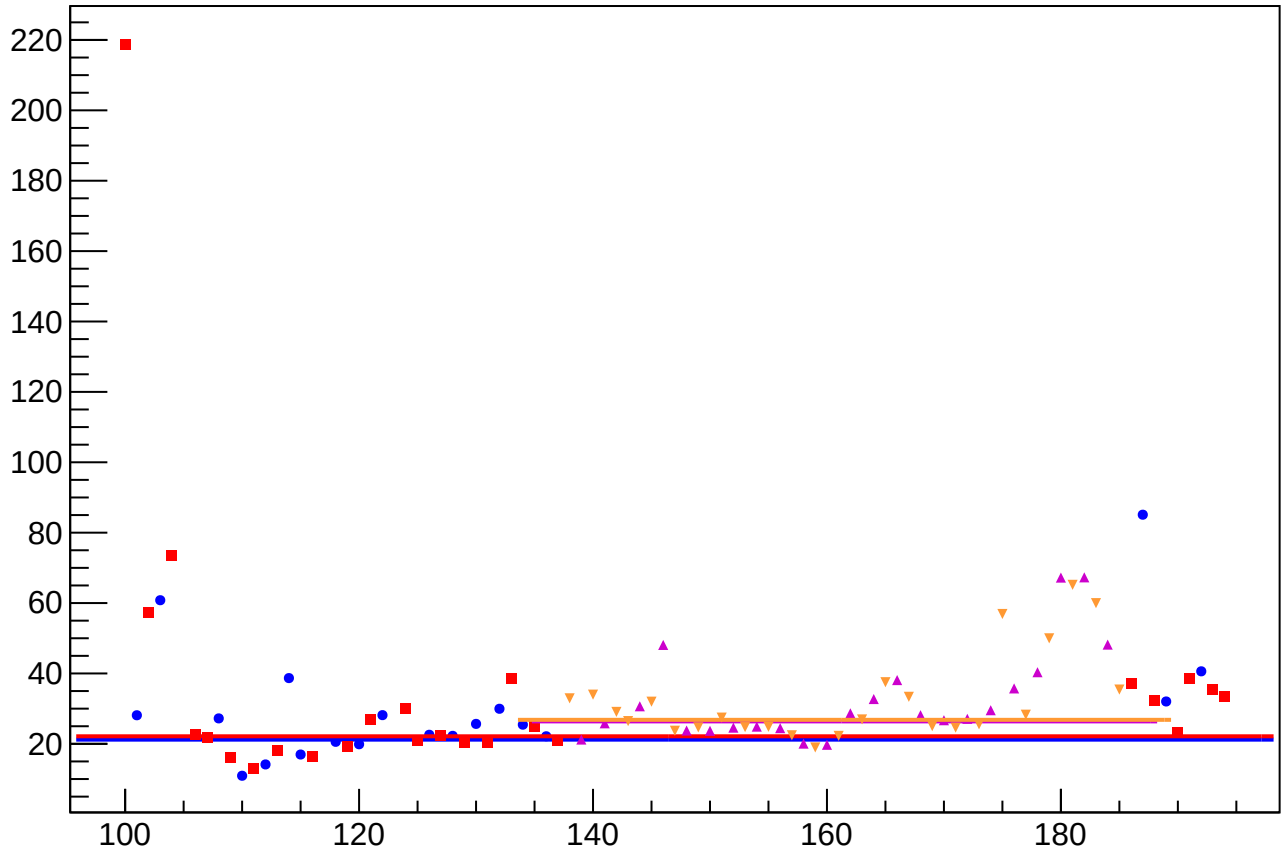
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.003+/-0.005 χ^2/NDF: 47.6/43

In: 0.006+/-0.005 χ^2/NDF:41.0/41

Out: -0.001+/-0.005 χ^2/NDF:67.2/49

All: 0.003+/-0.004 χ^2/NDF: 109.1/91



Right In: 21.192+/-0.006 χ^2/NDF: 2432765.4/18

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 22.143+/-0.005 χ^2/NDF: 2675738.6/24

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

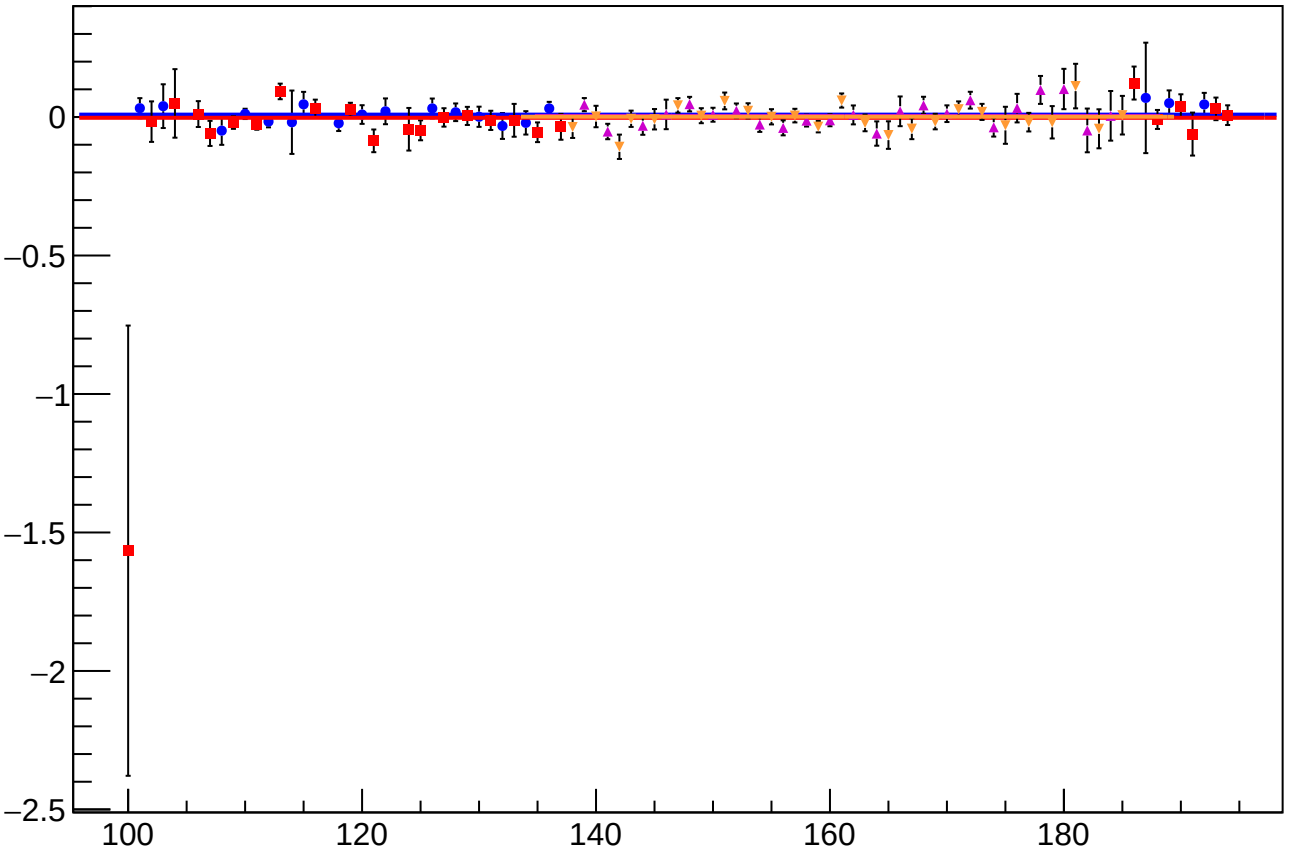
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 21.701+/-0.004 χ^2/NDF: 5124076.3/43

In: 24.241+/-0.004 χ^2/NDF:5506907.2/41

Out: 24.771+/-0.003 χ^2/NDF:5600011.0/49

All: 24.517+/-0.002 χ^2/NDF: 11118290.3/91



Right In: 0.009+/-0.008 χ^2/NDF: 9.7/18

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.003+/-0.007 χ^2/NDF: 36.8/24

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

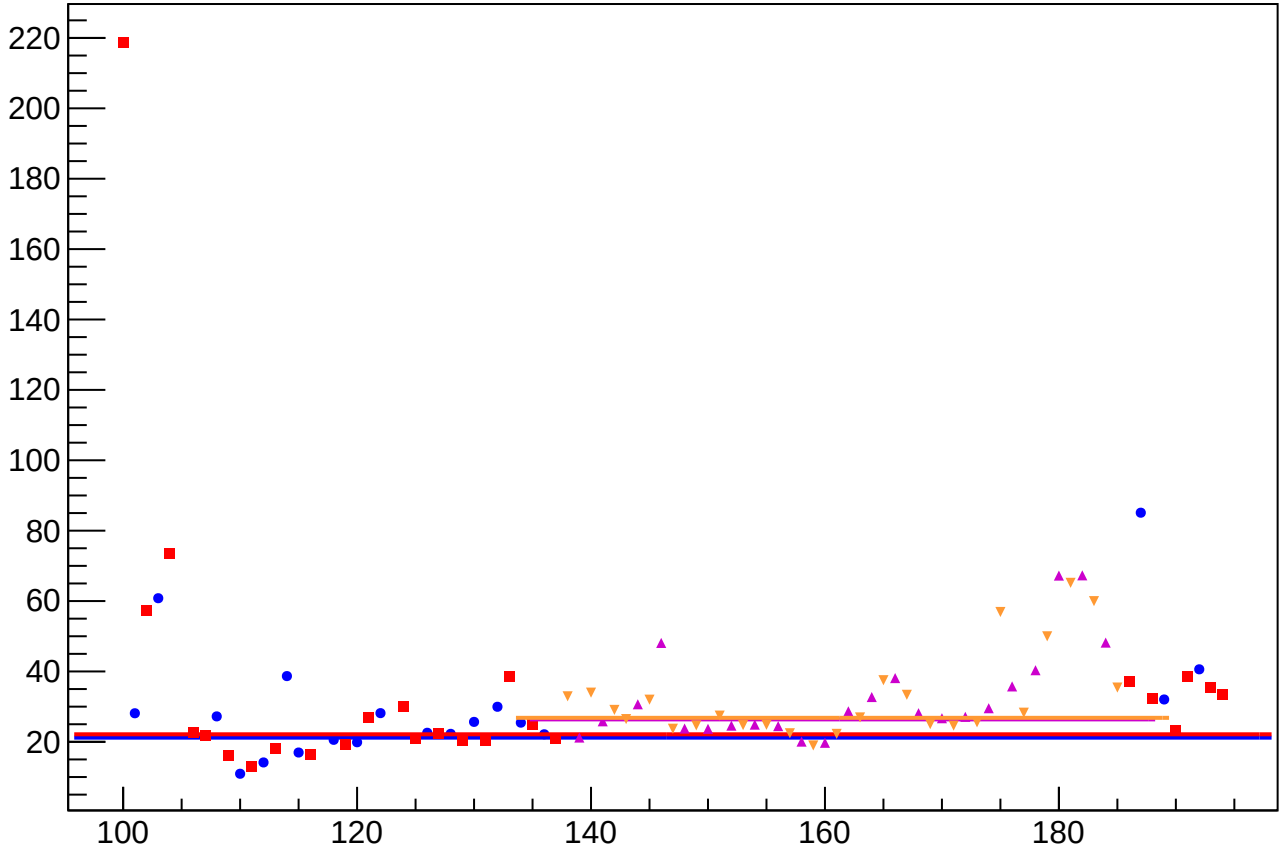
Right: 0.003+/-0.005 χ^2/NDF: 47.6/43

In: 0.006+/-0.005 χ^2/NDF:41.0/41

Out: -0.001+/-0.005 χ^2/NDF:67.2/49

All: 0.003+/-0.004 χ^2/NDF: 109.1/91

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.192+/-0.006 χ^2/NDF: 2432765.4/18

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 22.143+/-0.005 χ^2/NDF: 2675738.6/24

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

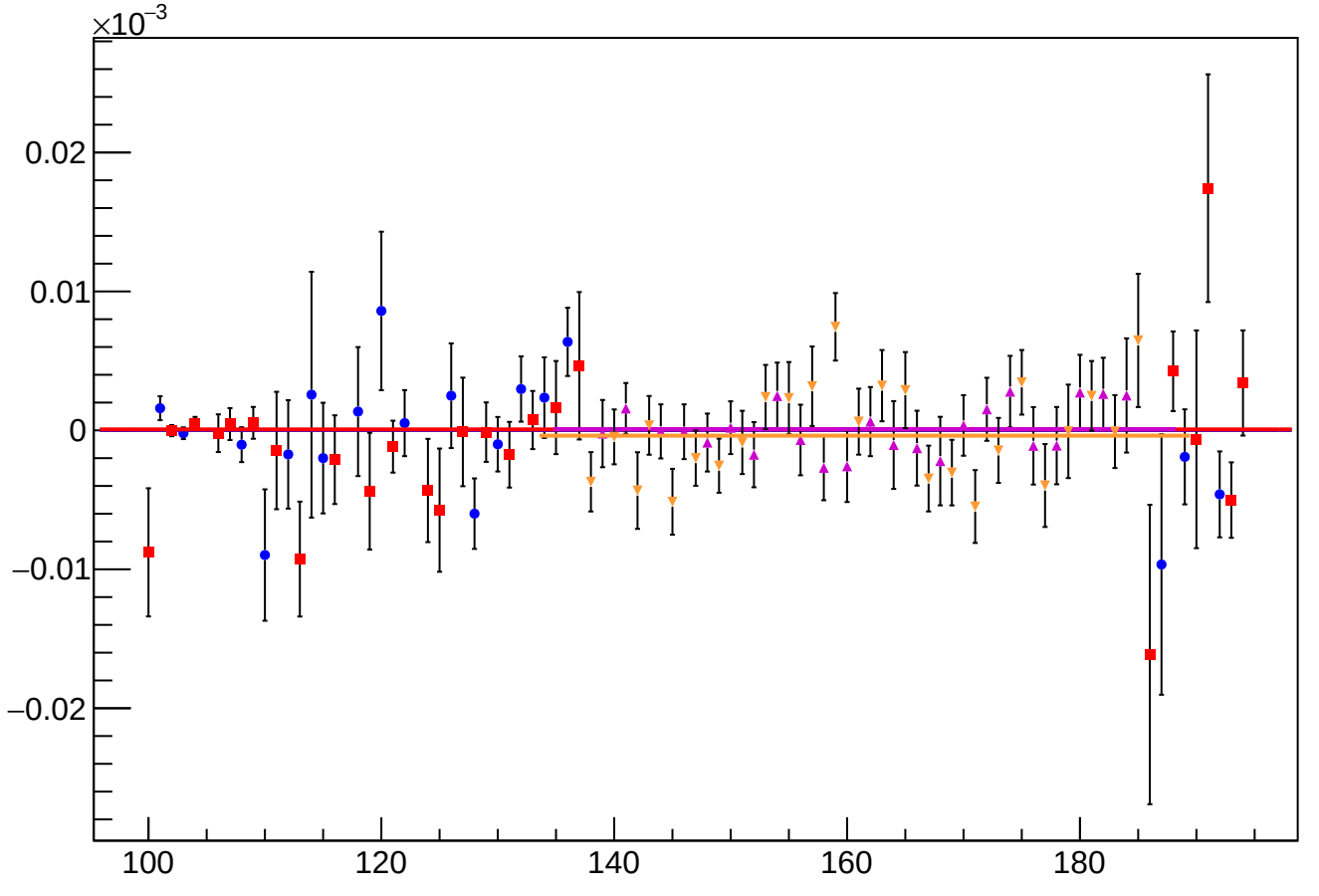
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 21.701+/-0.004 χ^2/NDF: 5124076.3/43

In: 24.241+/-0.004 χ^2/NDF:5506907.2/41

Out: 24.771+/-0.003 χ^2/NDF:5600011.0/49

All: 24.517+/-0.002 χ^2/NDF: 11118290.3/91



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/24

Left In: 0.000+/-0.000 χ^2/NDF:10.2/22

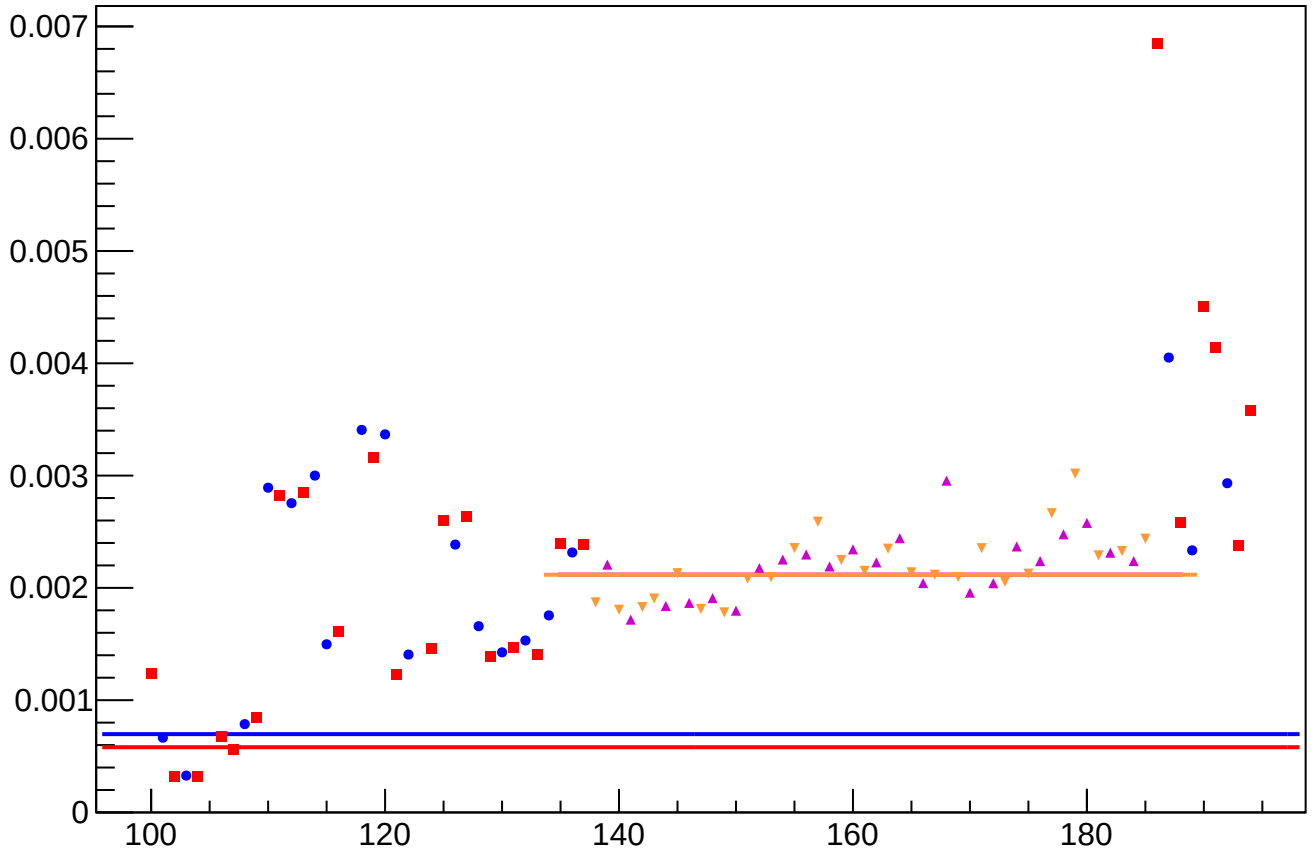
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

Right: 0.000+/-0.000 χ^2/NDF: 60.0/43

In: 0.000+/-0.000 χ^2/NDF:39.9/41

Out: -0.000+/-0.000 χ^2/NDF:74.1/49

All: 0.000+/-0.000 χ^2/NDF: 114.0/91



Right In: 0.001+/-0.000 χ^2/NDF: 8153753.3/18

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11437965.4/24

Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

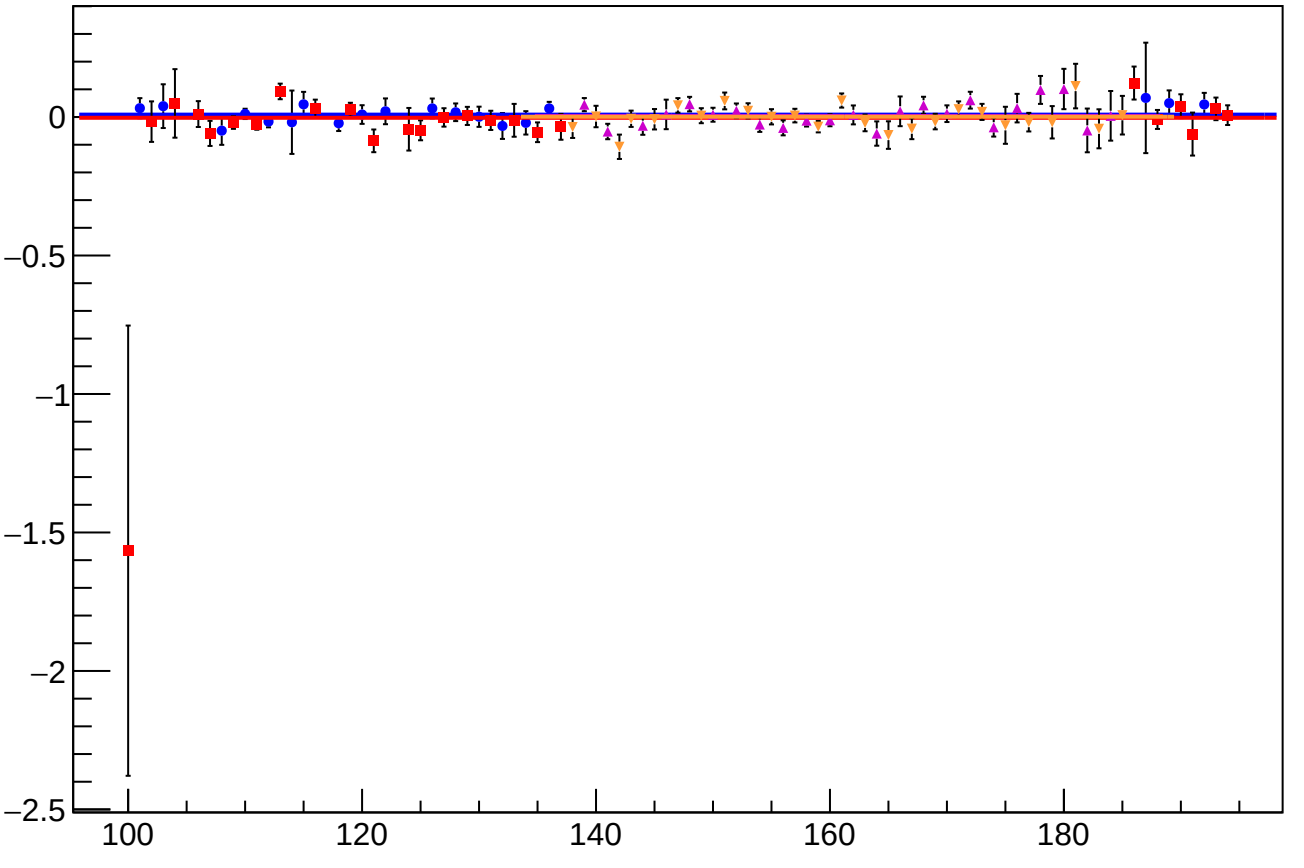
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 19747180.6/43

In: 0.001+/-0.000 χ^2/NDF:19987604.2/41

Out: 0.001+/-0.000 χ^2/NDF:27608986.3/49

All: 0.001+/-0.000 χ^2/NDF: 48297973.2/91



Right In: 0.009+/-0.008 χ^2/NDF: 9.7/18

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.003+/-0.007 χ^2/NDF: 36.8/24

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

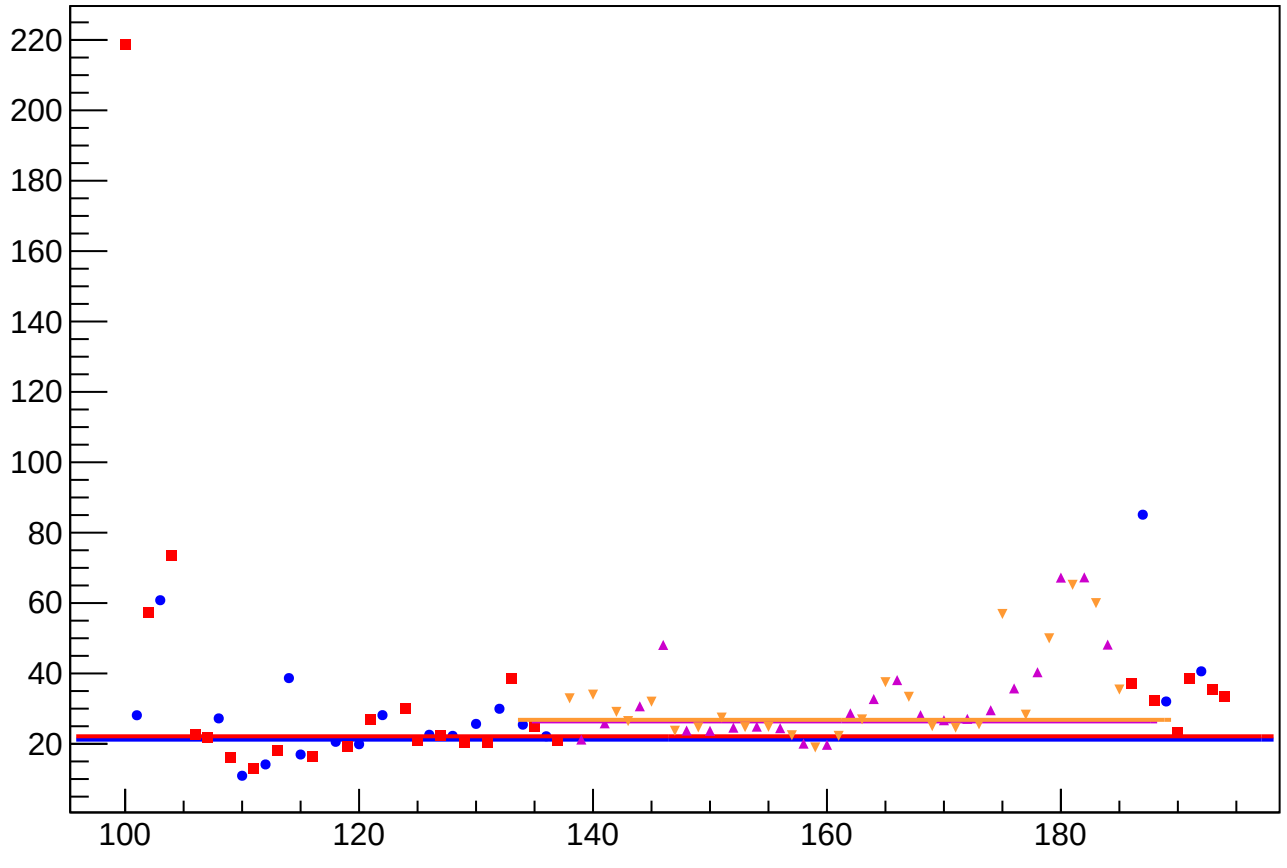
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.003+/-0.005 χ^2/NDF: 47.6/43

In: 0.006+/-0.005 χ^2/NDF:41.0/41

Out: -0.001+/-0.005 χ^2/NDF:67.2/49

All: 0.003+/-0.004 χ^2/NDF: 109.1/91



Right In: 21.192+/-0.006 χ^2/NDF: 2432565.7/18

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 22.144+/-0.005 χ^2/NDF: 2675574.6/24

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

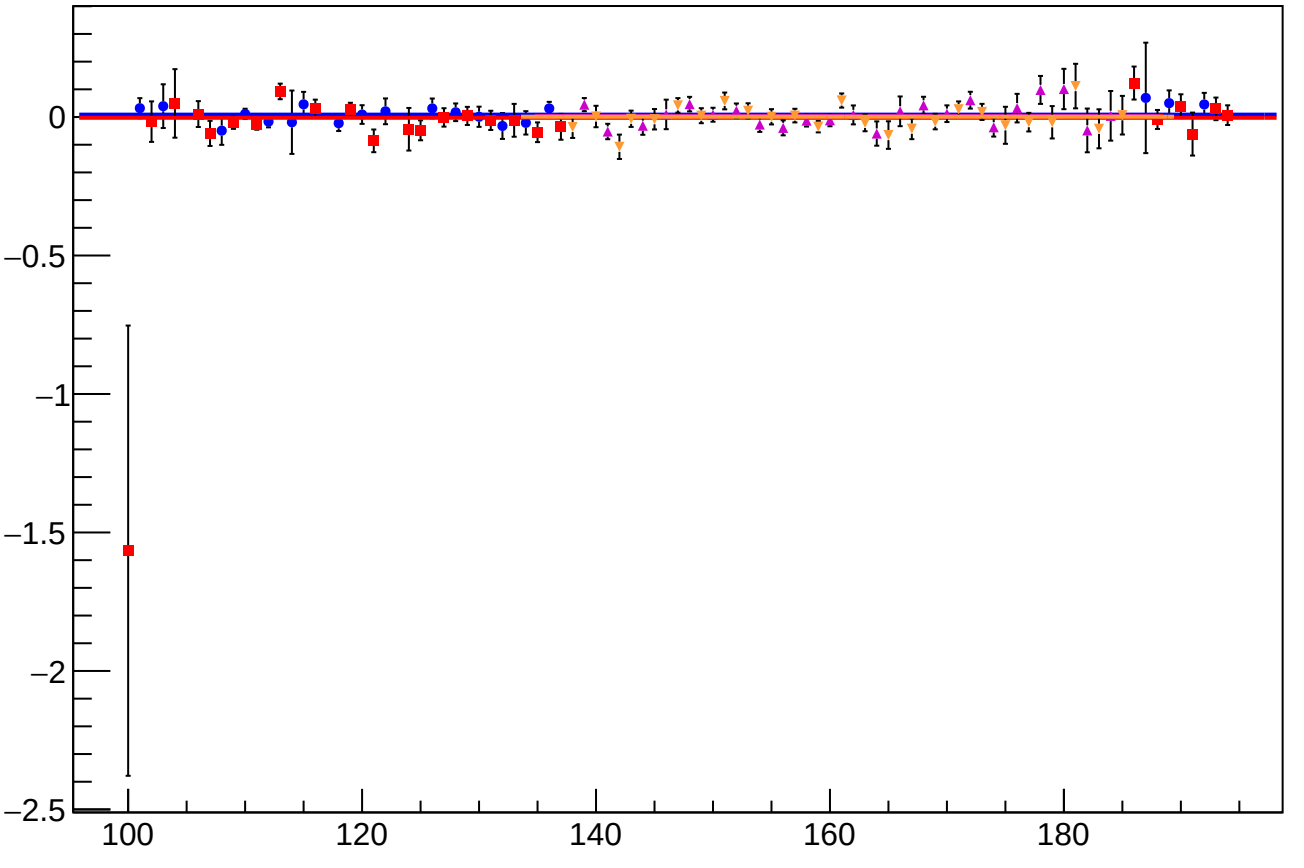
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 21.701+/-0.004 χ^2/NDF: 5123700.3/43

In: 24.242+/-0.004 χ^2/NDF:5506679.5/41

Out: 24.771+/-0.003 χ^2/NDF:5599875.4/49

All: 24.517+/-0.002 χ^2/NDF: 11117920.0/91



Right In: 0.009+/-0.008 χ^2/NDF: 9.7/18

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.003+/-0.007 χ^2/NDF: 36.8/24

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

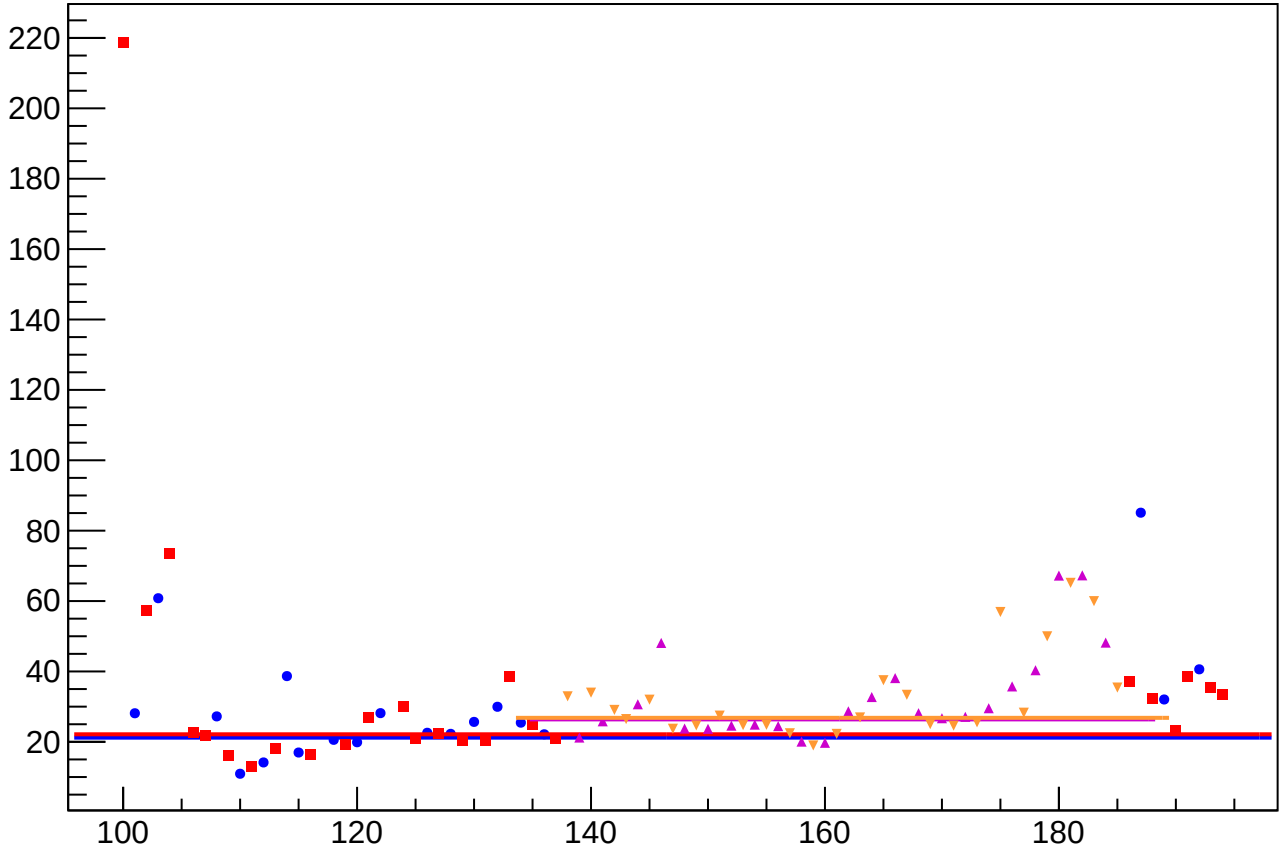
Right: 0.003+/-0.005 χ^2/NDF: 47.6/43

In: 0.006+/-0.005 χ^2/NDF:41.0/41

Out: -0.001+/-0.005 χ^2/NDF:67.2/49

All: 0.003+/-0.004 χ^2/NDF: 109.1/91

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.192+/-0.006 χ^2/NDF: 2432565.7/18

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 22.144+/-0.005 χ^2/NDF: 2675574.6/24

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

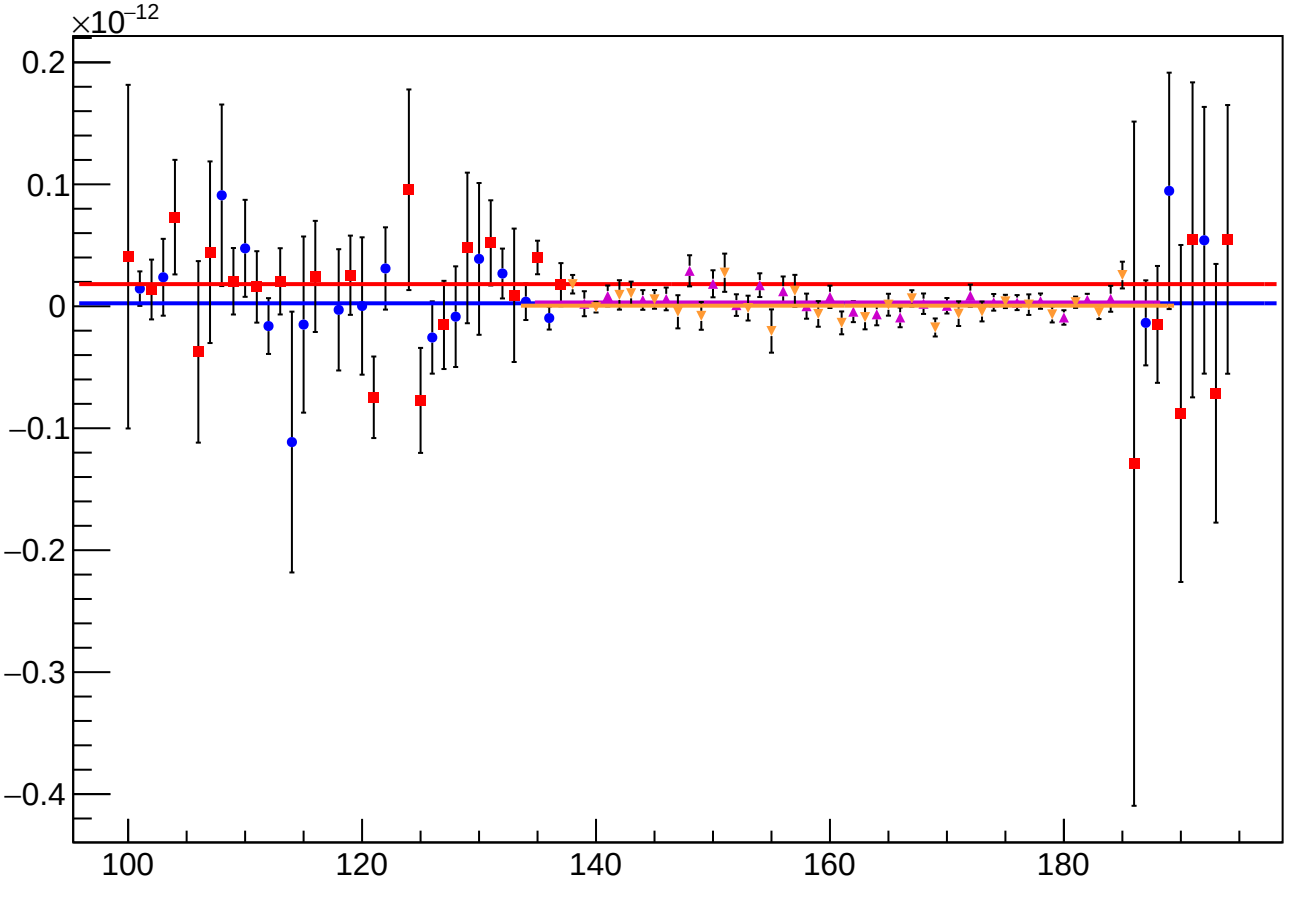
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 21.701+/-0.004 χ^2/NDF: 5123700.3/43

In: 24.242+/-0.004 χ^2/NDF:5506679.5/41

Out: 24.771+/-0.003 χ^2/NDF:5599875.4/49

All: 24.517+/-0.002 χ^2/NDF: 11117920.0/91



Right In: 0.000+/-0.000 χ^2/NDF: 12.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.5/24

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

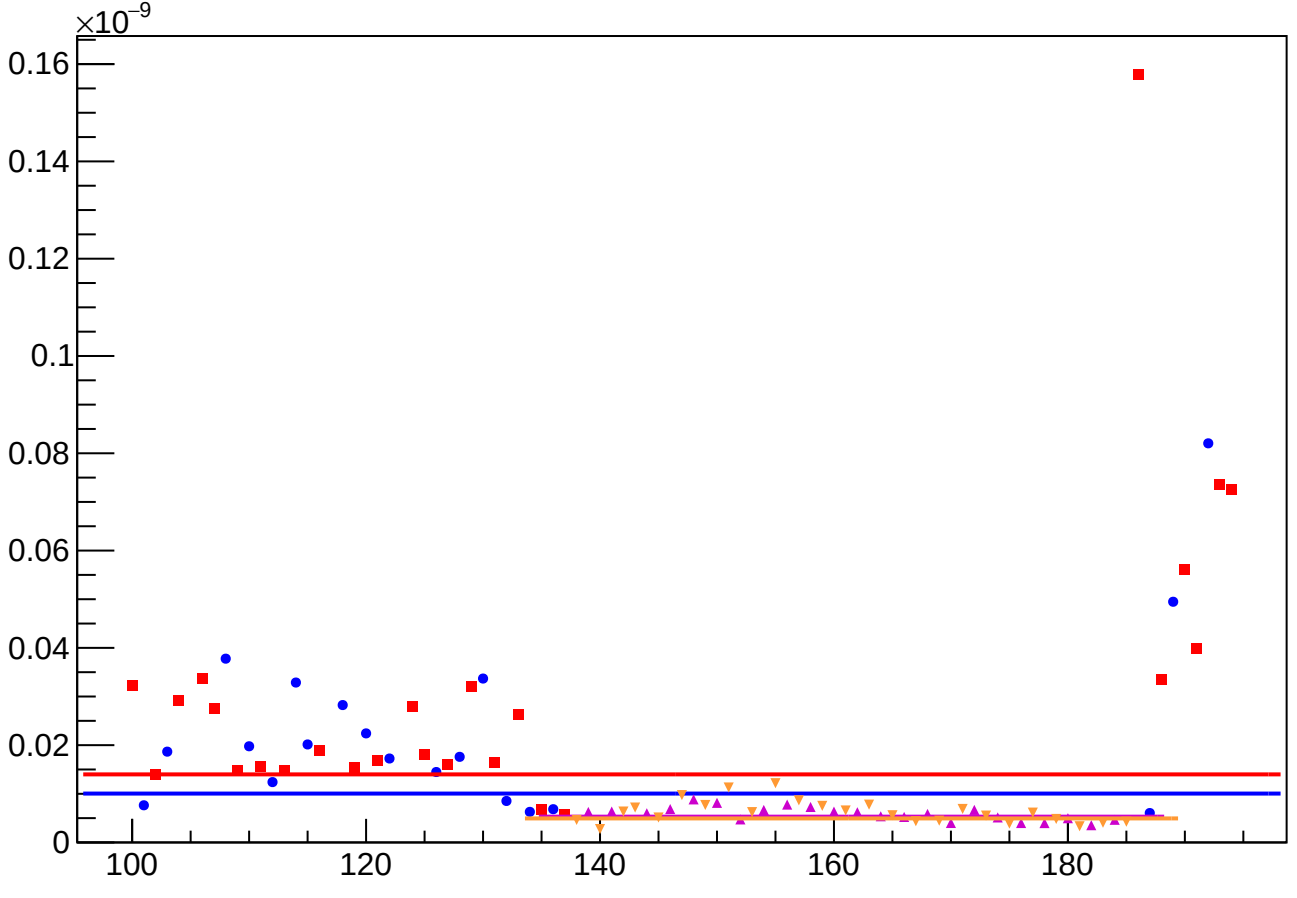
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 37.8/43

In: 0.000+/-0.000 χ^2/NDF:31.3/41

Out: 0.000+/-0.000 χ^2/NDF:61.3/49

All: 0.000+/-0.000 χ^2/NDF: 93.2/91



Right In: 0.000+/-0.000 χ^2/NDF: 3204597.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4180119.7/24

Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

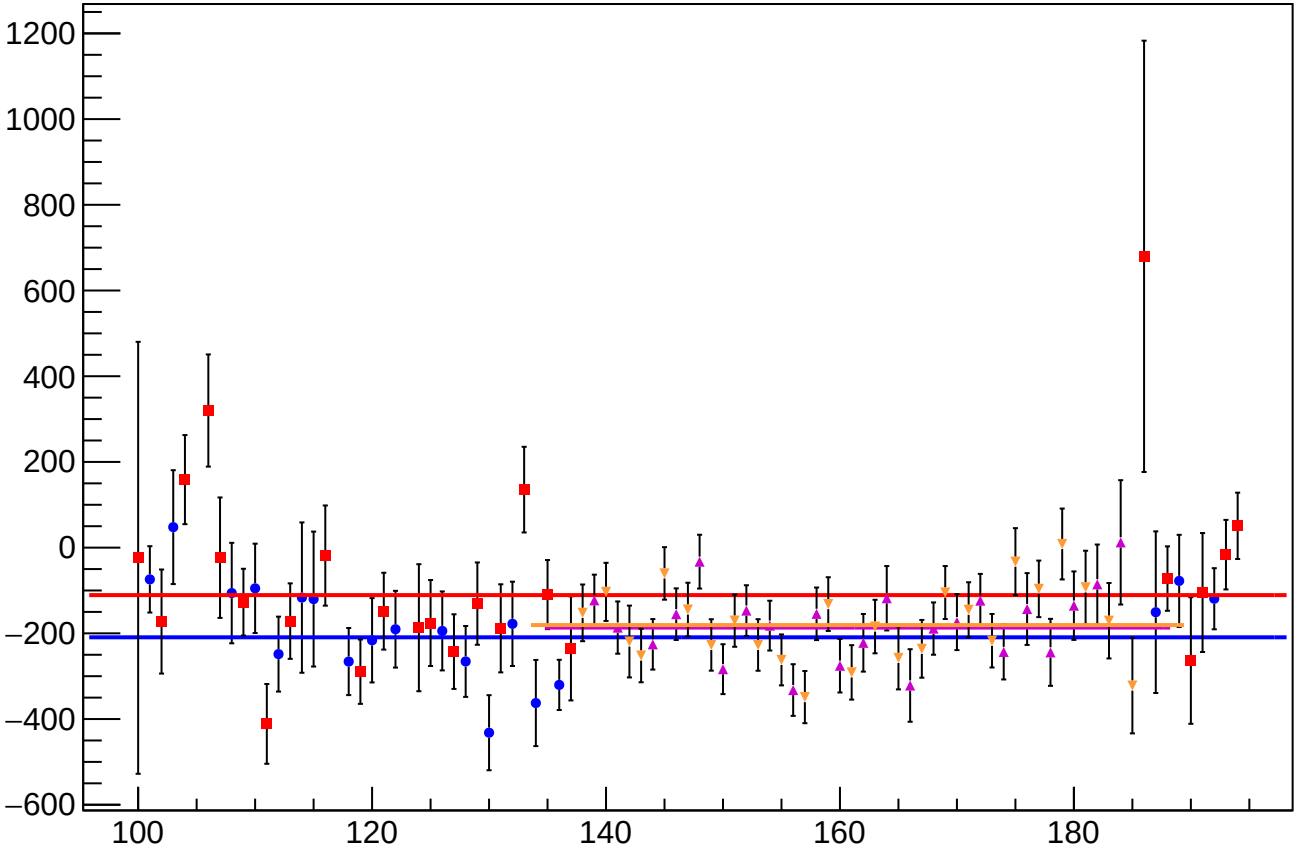
Right: 0.000+/-0.000 χ^2/NDF: 7775331.7/43

In: 0.000+/-0.000 χ^2/NDF:5761966.8/41

Out: 0.000+/-0.000 χ^2/NDF:10171677.2/49

All: 0.000+/-0.000 χ^2/NDF: 15972032.1/91

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -209.266+/-21.407 χ^2/NDF: 26.3/18

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: -110.768+/-20.175 χ^2/NDF: 55.8/24

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

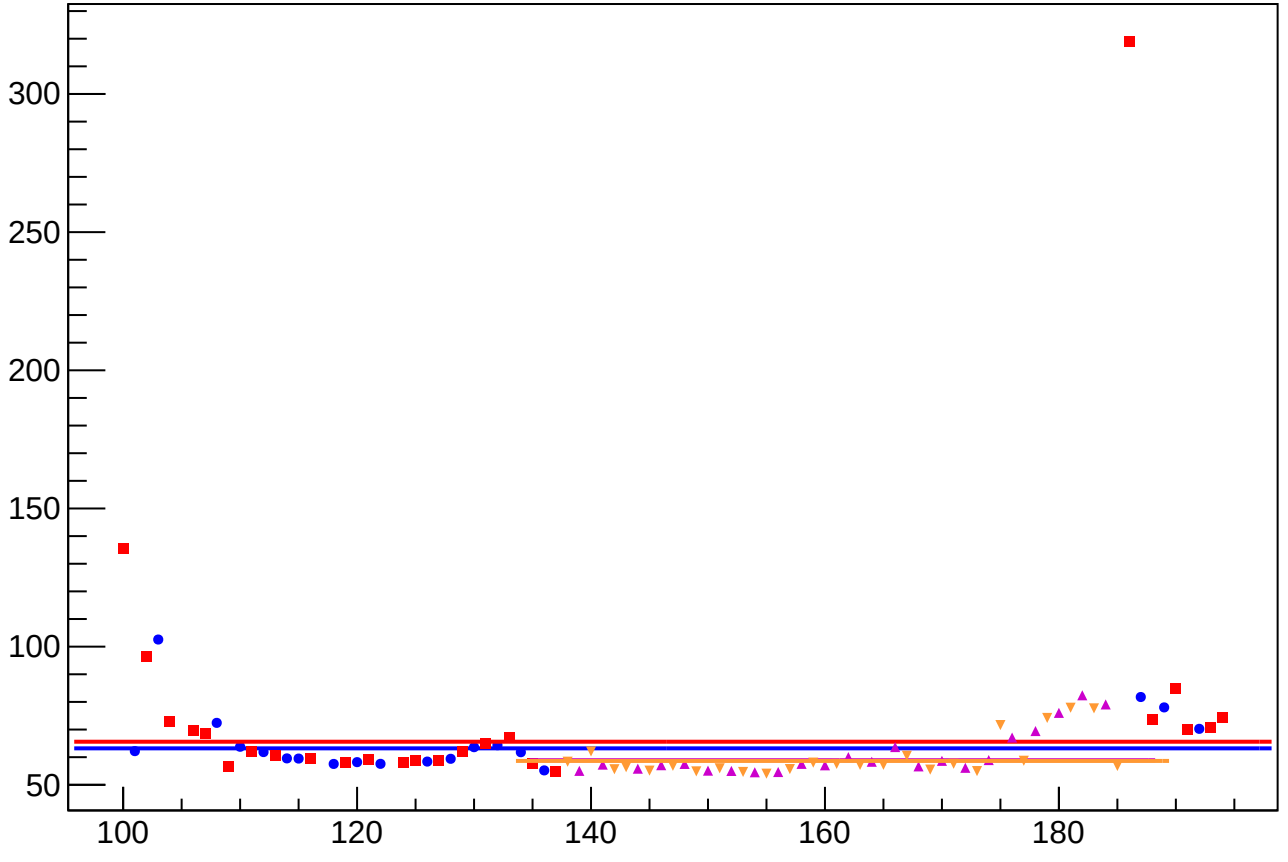
Right: -157.102+/-14.682 χ^2/NDF: 93.4/43

In: -193.272+/-11.634 χ^2/NDF:56.1/41

Out: -159.241+/-11.173 χ^2/NDF:102.8/49

All: -175.569+/-8.059 χ^2/NDF: 163.3/91

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.192+/-0.015 χ^2/NDF: 338570.8/18

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 65.595+/-0.014 χ^2/NDF: 917351.6/24

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

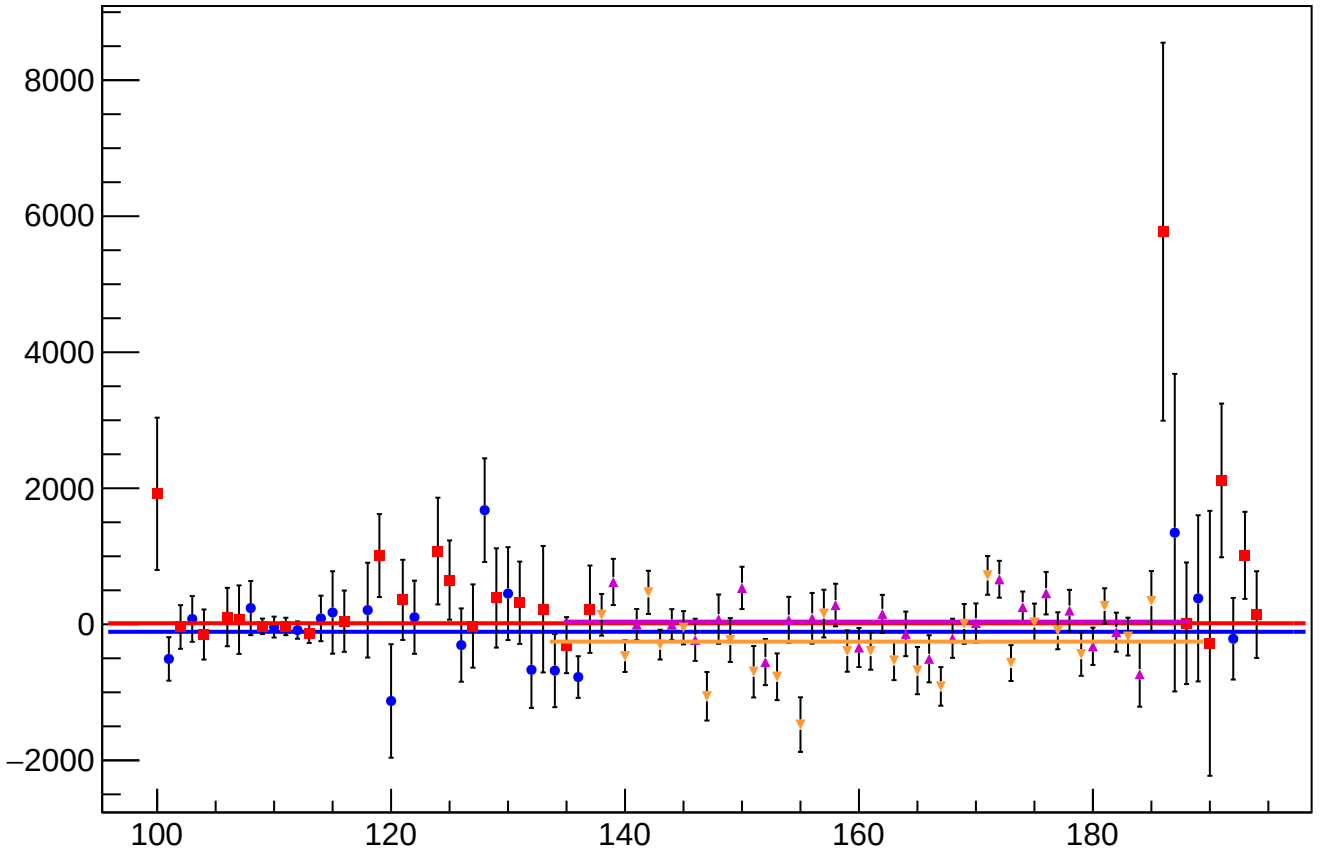
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 64.465+/-0.010 χ^2/NDF: 1269267.8/43

In: 60.172+/-0.008 χ^2/NDF:781886.0/41

Out: 60.776+/-0.008 χ^2/NDF:1475840.0/49

All: 60.486+/-0.006 χ^2/NDF: 2260526.9/91



Right In: -110.065+/-75.421 χ^2/NDF: 19.0/18

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: 15.791+/-62.996 χ^2/NDF: 22.0/24

Left In: 39.147+/-61.883 χ^2/NDF:28.3/22

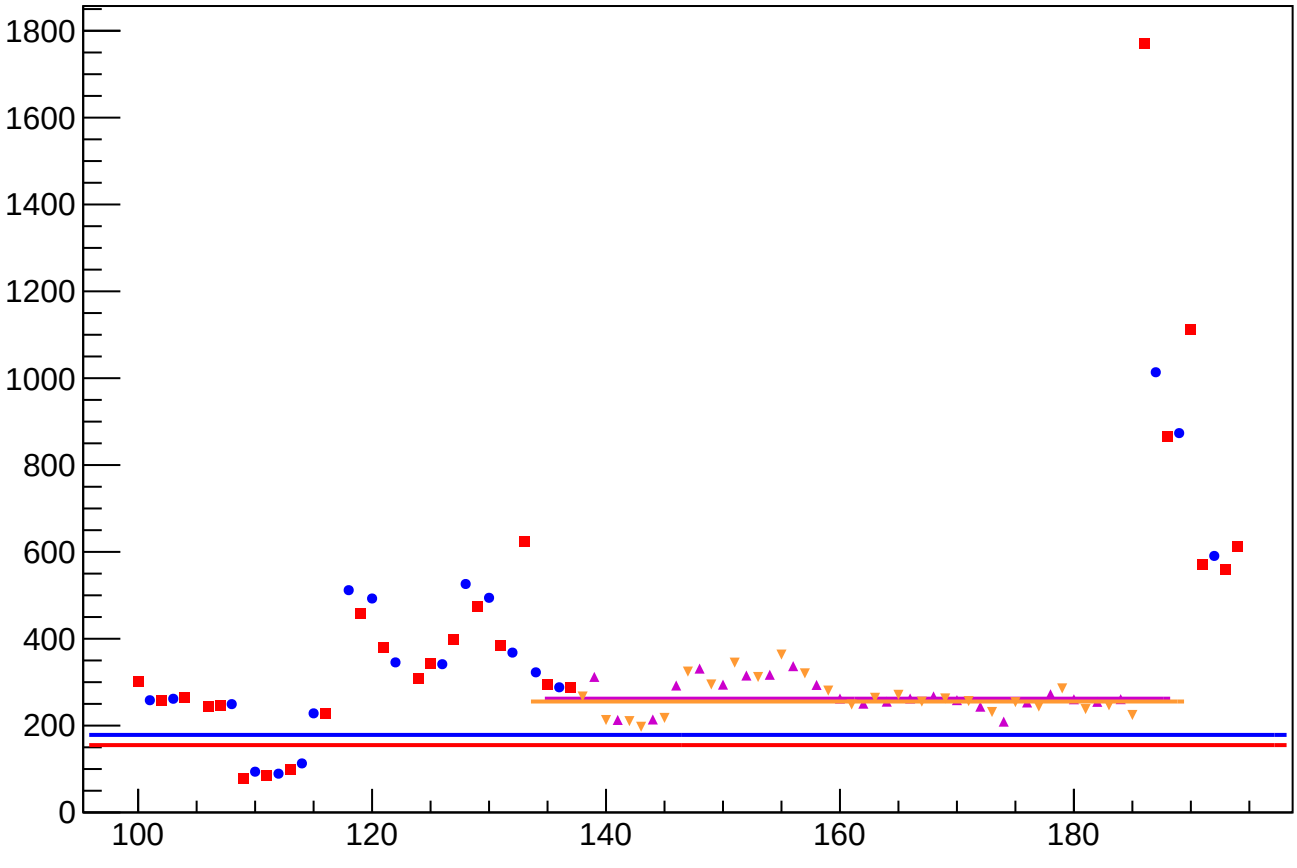
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -35.929+/-48.349 χ^2/NDF: 42.7/43

In: -20.889+/-47.840 χ^2/NDF:49.7/41

Out: -128.548+/-43.015 χ^2/NDF:89.5/49

All: -80.421+/-31.986 χ^2/NDF: 142.0/91



Right In: 178.574+/-0.053 χ^2/NDF: 6427083.8/18

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 155.093+/-0.045 χ^2/NDF: 9799036.4/24

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

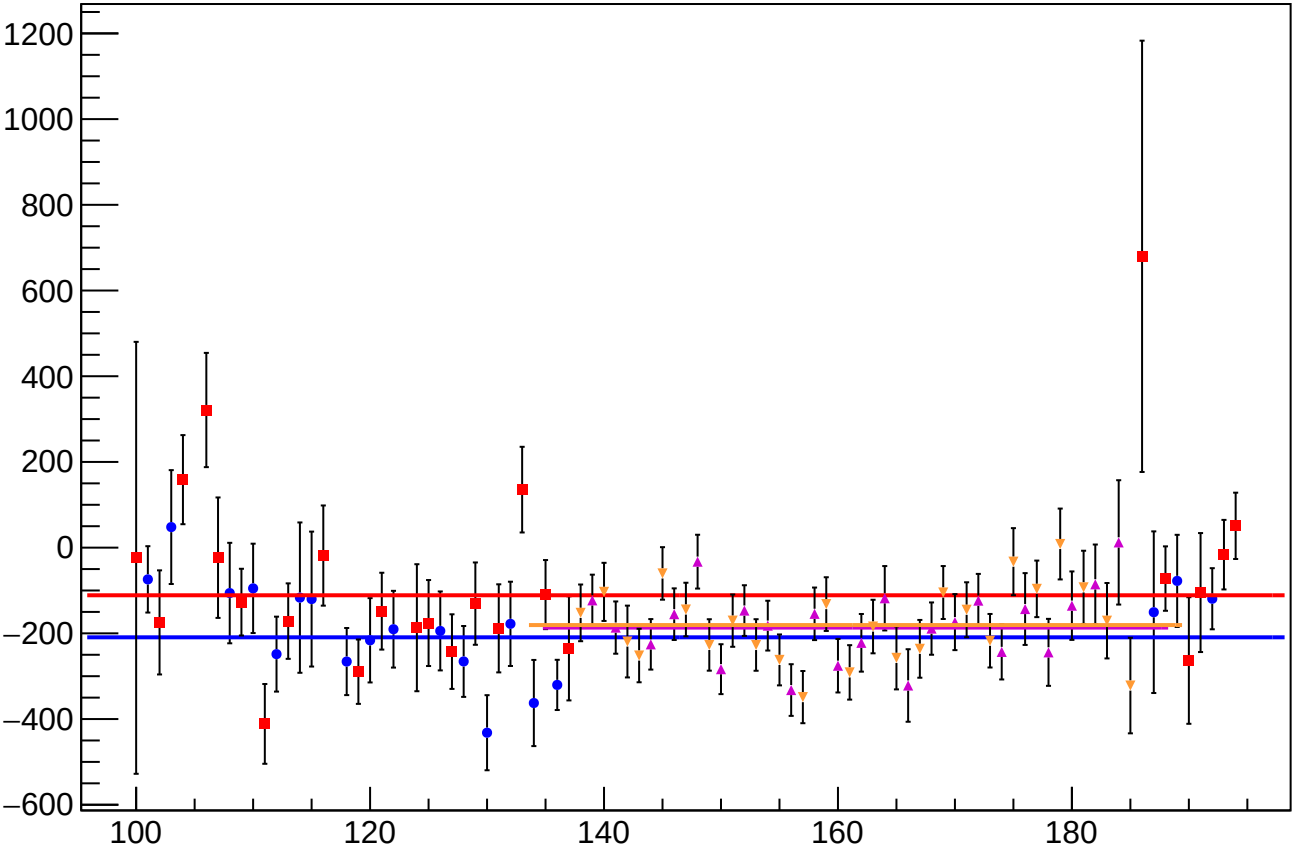
Right: 164.743+/-0.034 χ^2/NDF: 16340306.9/43

In: 228.438+/-0.034 χ^2/NDF:8560403.7/41

Out: 208.670+/-0.030 χ^2/NDF:13373179.4/49

All: 217.507+/-0.023 χ^2/NDF: 22122405.7/91

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -209.266+/-21.407 χ^2/NDF: 26.3/18

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -111.164+/-20.184 χ^2/NDF: 55.5/24

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

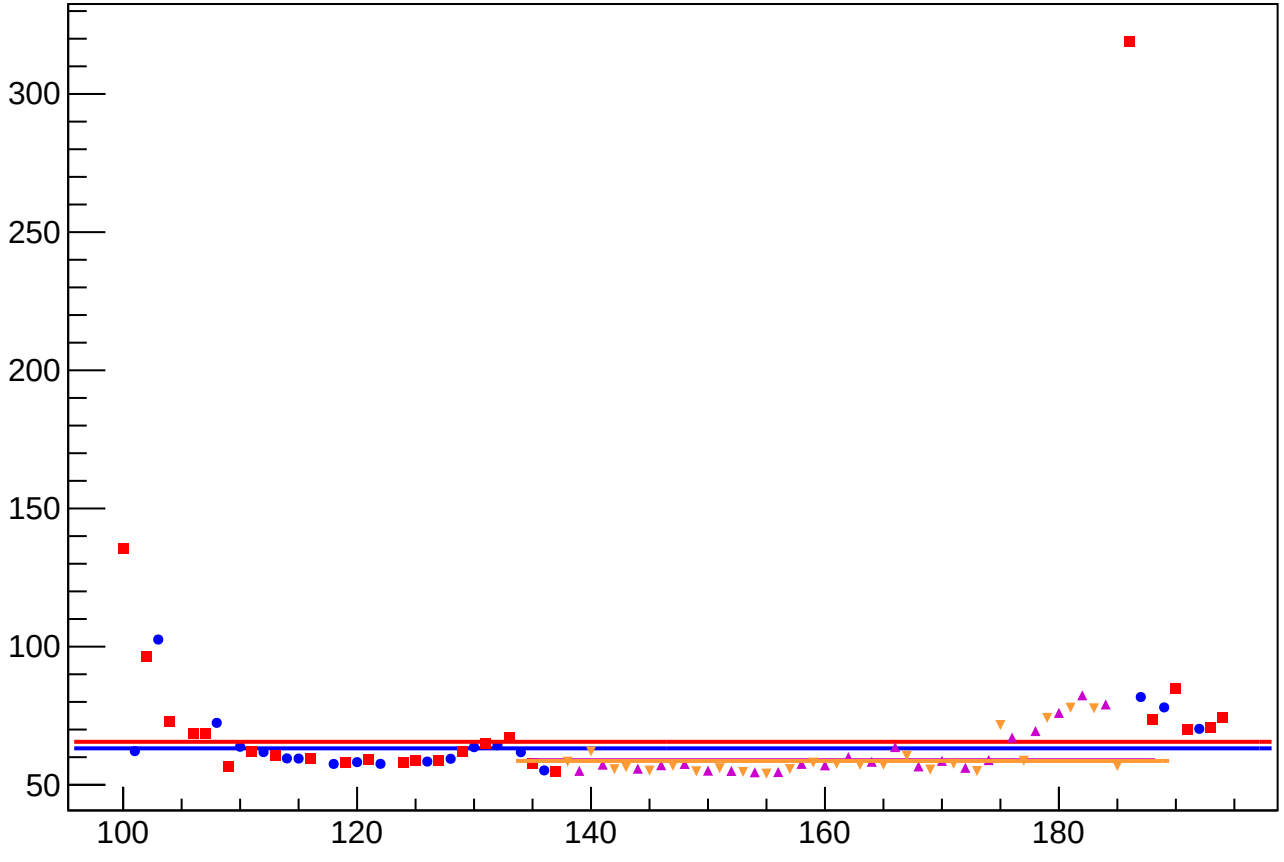
Right: -157.333+/-14.685 χ^2/NDF: 93.0/43

In: -193.272+/-11.634 χ^2/NDF:56.1/41

Out: -159.372+/-11.174 χ^2/NDF:102.4/49

All: -175.639+/-8.059 χ^2/NDF: 162.9/91

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.192+/-0.015 χ^2/NDF: 338573.3/18

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 65.565+/-0.014 χ^2/NDF: 916570.9/24

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

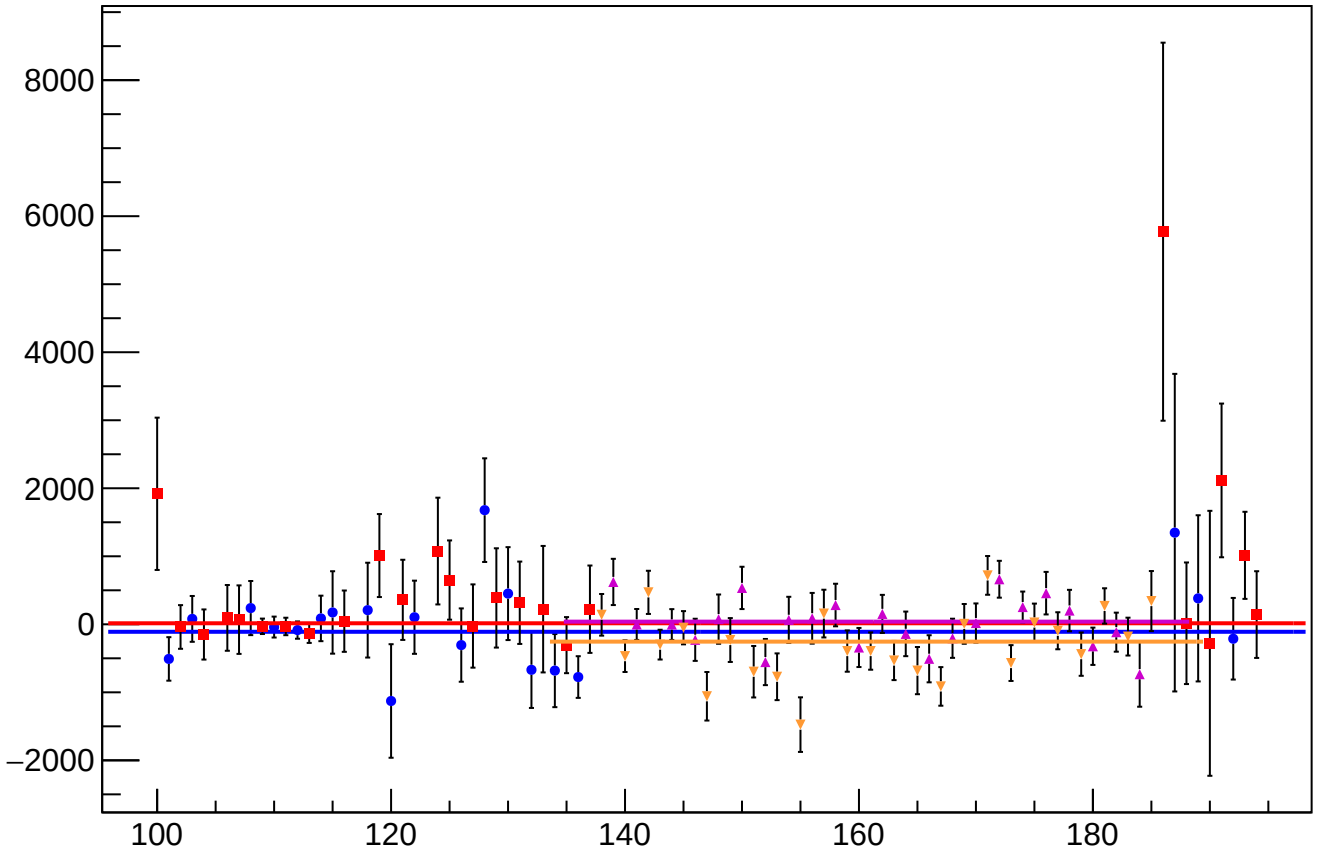
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 64.448+/-0.010 χ^2/NDF: 1268154.5/43

In: 60.172+/-0.008 χ^2/NDF:781888.6/41

Out: 60.765+/-0.008 χ^2/NDF:1473549.2/49

All: 60.481+/-0.006 χ^2/NDF: 2258142.3/91



Right In: -110.047+/-75.422 χ^2/NDF: 19.0/18

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 15.185+/-63.141 χ^2/NDF: 22.0/24

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

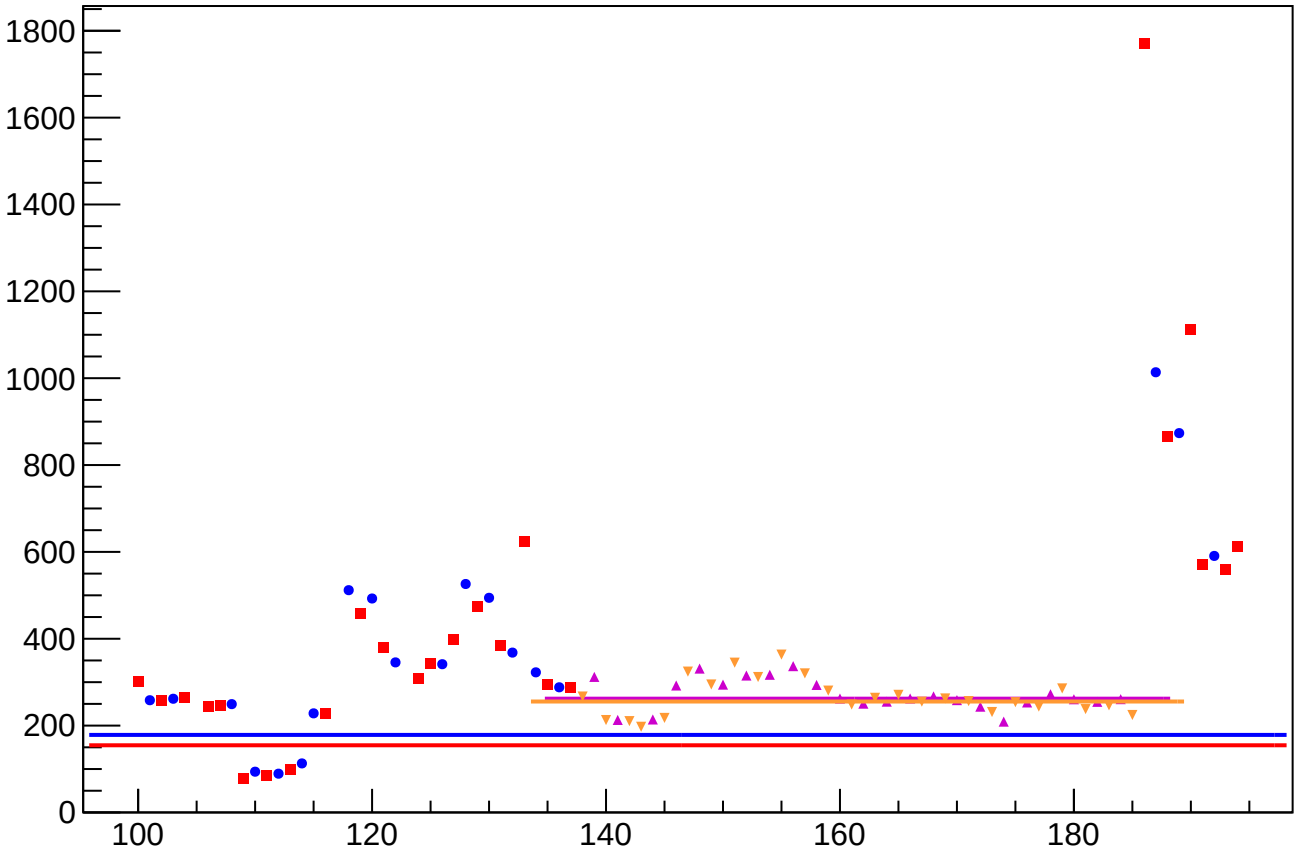
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -36.419+/-48.415 χ^2/NDF: 42.6/43

In: -20.882+/-47.840 χ^2/NDF:49.7/41

Out: -129.139+/-43.061 χ^2/NDF:89.4/49

All: -80.687+/-32.005 χ^2/NDF: 141.9/91



Right In: 178.574+/-0.053 χ^2/NDF: 6427135.8/18

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 154.691+/-0.045 χ^2/NDF: 9781750.8/24

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

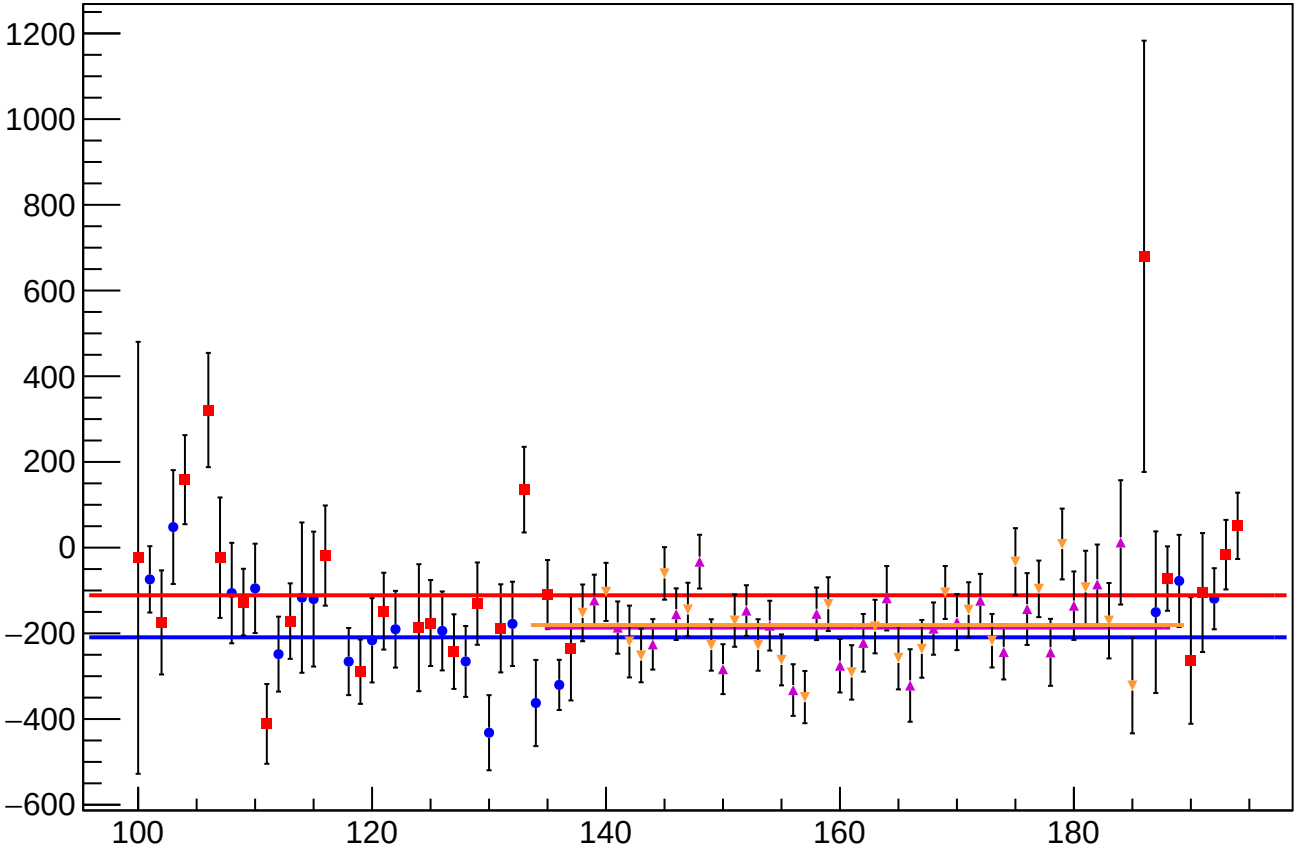
Right: 164.532+/-0.034 χ^2/NDF: 16326803.5/43

In: 228.438+/-0.034 χ^2/NDF:8560432.7/41

Out: 208.598+/-0.030 χ^2/NDF:13370954.4/49

All: 217.478+/-0.023 χ^2/NDF: 22121413.5/91

eigen_cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -209.266+/-21.407 χ^2/NDF: 26.3/18

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -111.164+/-20.184 χ^2/NDF: 55.5/24

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

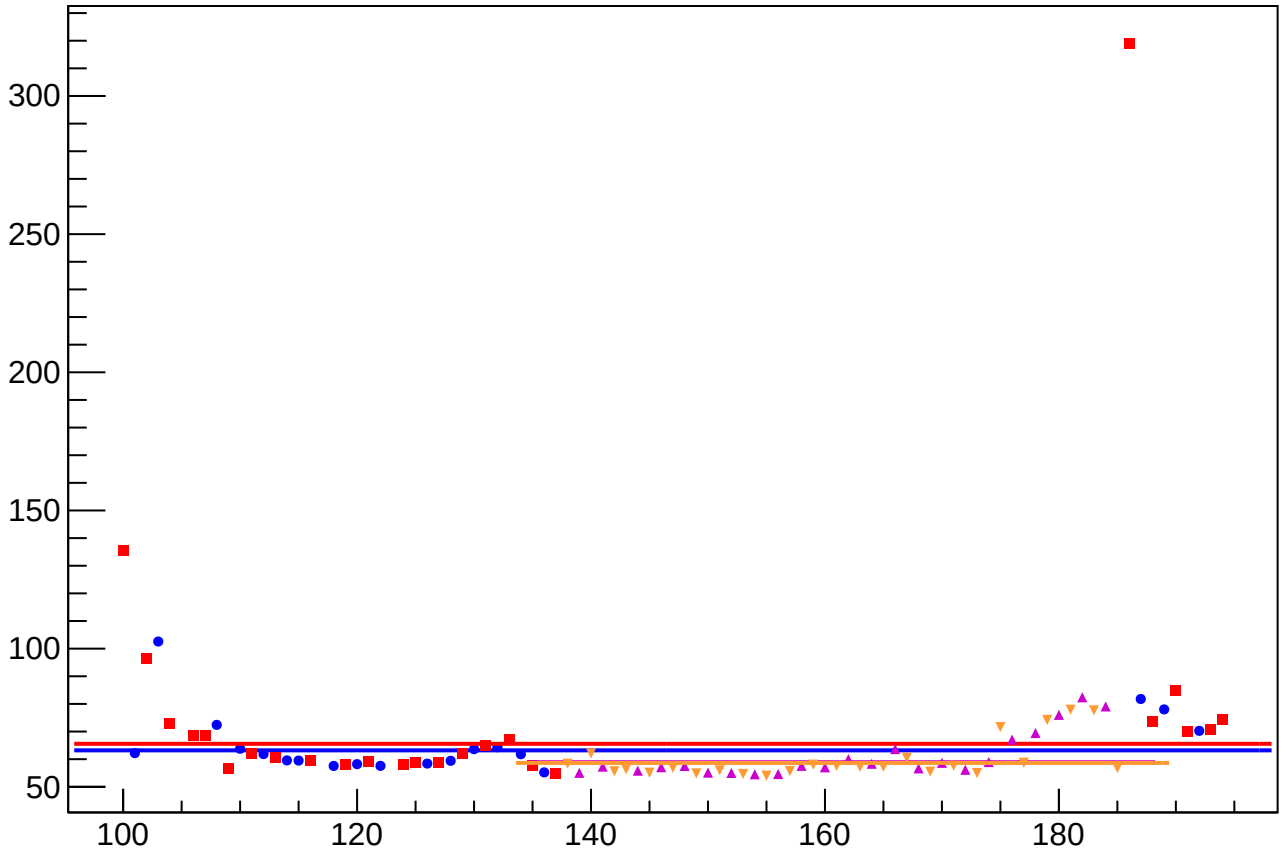
Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

Right: -157.333+/-14.685 χ^2/NDF: 93.0/43

In: -193.272+/-11.634 χ^2/NDF:56.1/41

Out: -159.372+/-11.174 χ^2/NDF:102.4/49

All: -175.639+/-8.059 χ^2/NDF: 162.9/91



Right In: 63.192+/-0.015 χ^2/NDF: 338573.3/18

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 65.565+/-0.014 χ^2/NDF: 916570.9/24

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

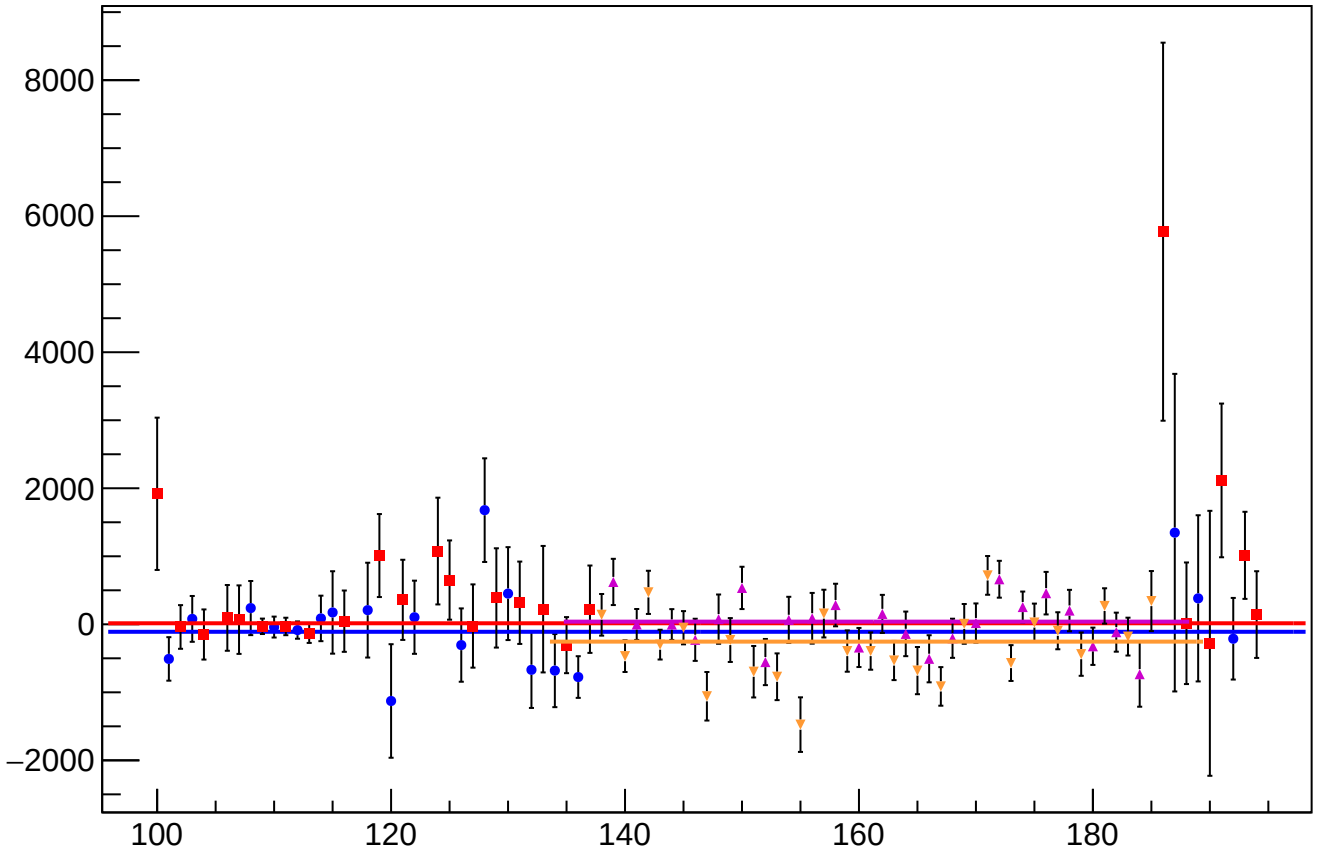
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 64.448+/-0.010 χ^2/NDF: 1268154.5/43

In: 60.172+/-0.008 χ^2/NDF:781888.6/41

Out: 60.765+/-0.008 χ^2/NDF:1473549.2/49

All: 60.481+/-0.006 χ^2/NDF: 2258142.3/91



Right In: -110.047+/-75.422 χ^2/NDF: 19.0/18

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 15.185+/-63.141 χ^2/NDF: 22.0/24

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

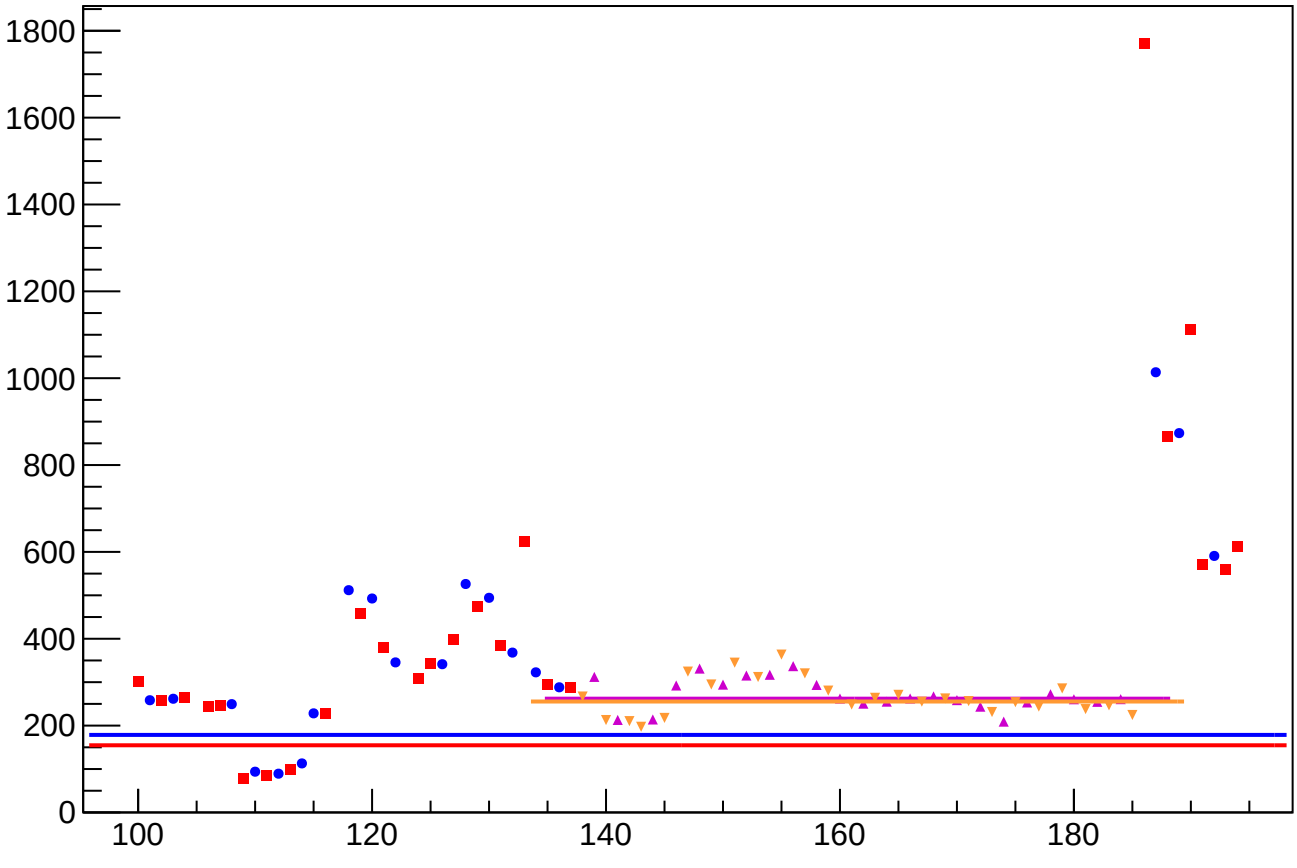
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -36.419+/-48.415 χ^2/NDF: 42.6/43

In: -20.882+/-47.840 χ^2/NDF:49.7/41

Out: -129.139+/-43.061 χ^2/NDF:89.4/49

All: -80.687+/-32.005 χ^2/NDF: 141.9/91



Right In: 178.574+/-0.053 χ^2/NDF: 6427135.8/18

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 154.691+/-0.045 χ^2/NDF: 9781750.8/24

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

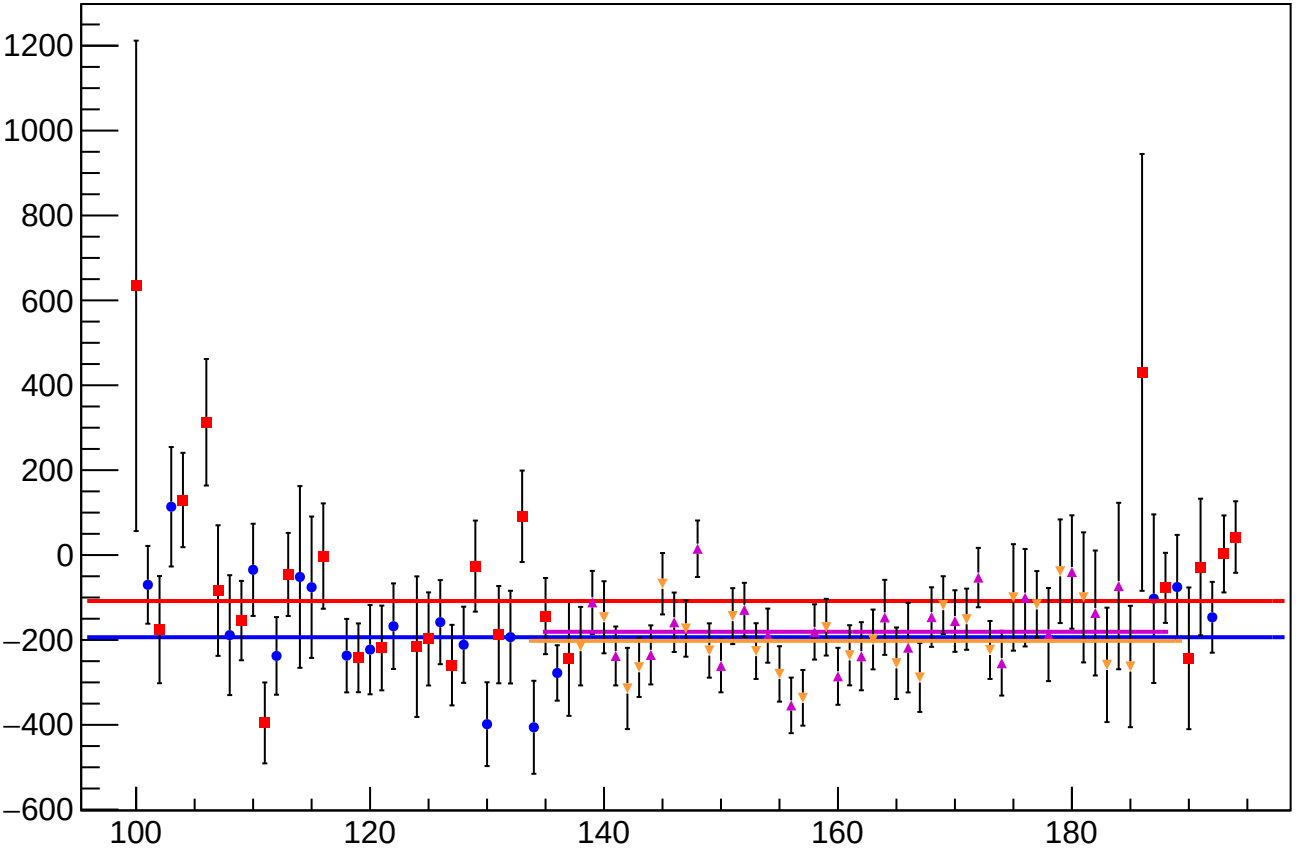
Right: 164.532+/-0.034 χ^2/NDF: 16326803.5/43

In: 228.438+/-0.034 χ^2/NDF:8560432.7/41

Out: 208.598+/-0.030 χ^2/NDF:13370954.4/49

All: 217.478+/-0.023 χ^2/NDF: 22121413.5/91

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -193.582+/-23.767 χ^2/NDF: 21.6/18

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -108.260+/-22.210 χ^2/NDF: 45.1/24

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

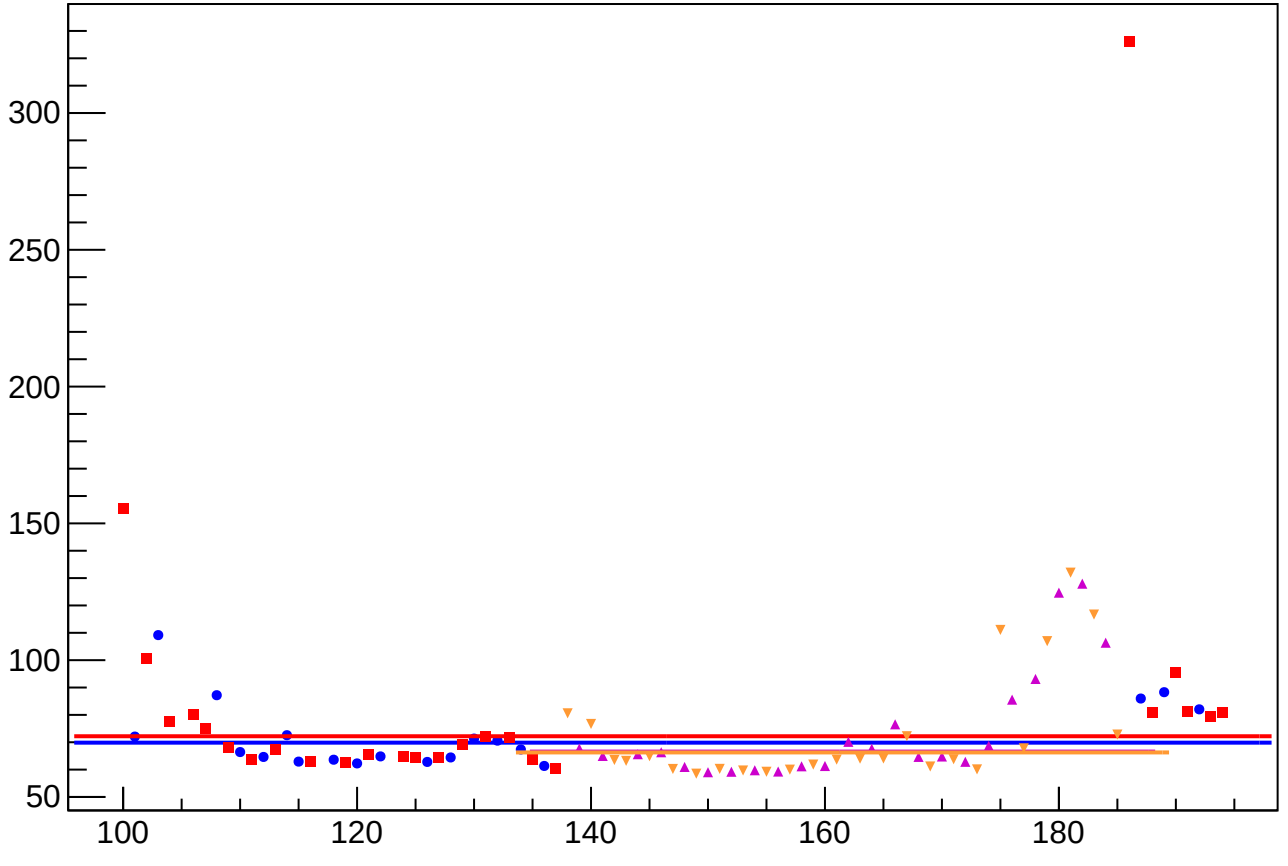
Right: -148.034+/-16.227 χ^2/NDF: 73.6/43

In: -184.781+/-13.283 χ^2/NDF:52.0/41

Out: -171.257+/-12.732 χ^2/NDF:78.6/49

All: -177.732+/-9.192 χ^2/NDF: 131.1/91

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 69.850+/-0.017 χ^2/NDF: 379447.0/18

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 72.192+/-0.016 χ^2/NDF: 874559.2/24

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

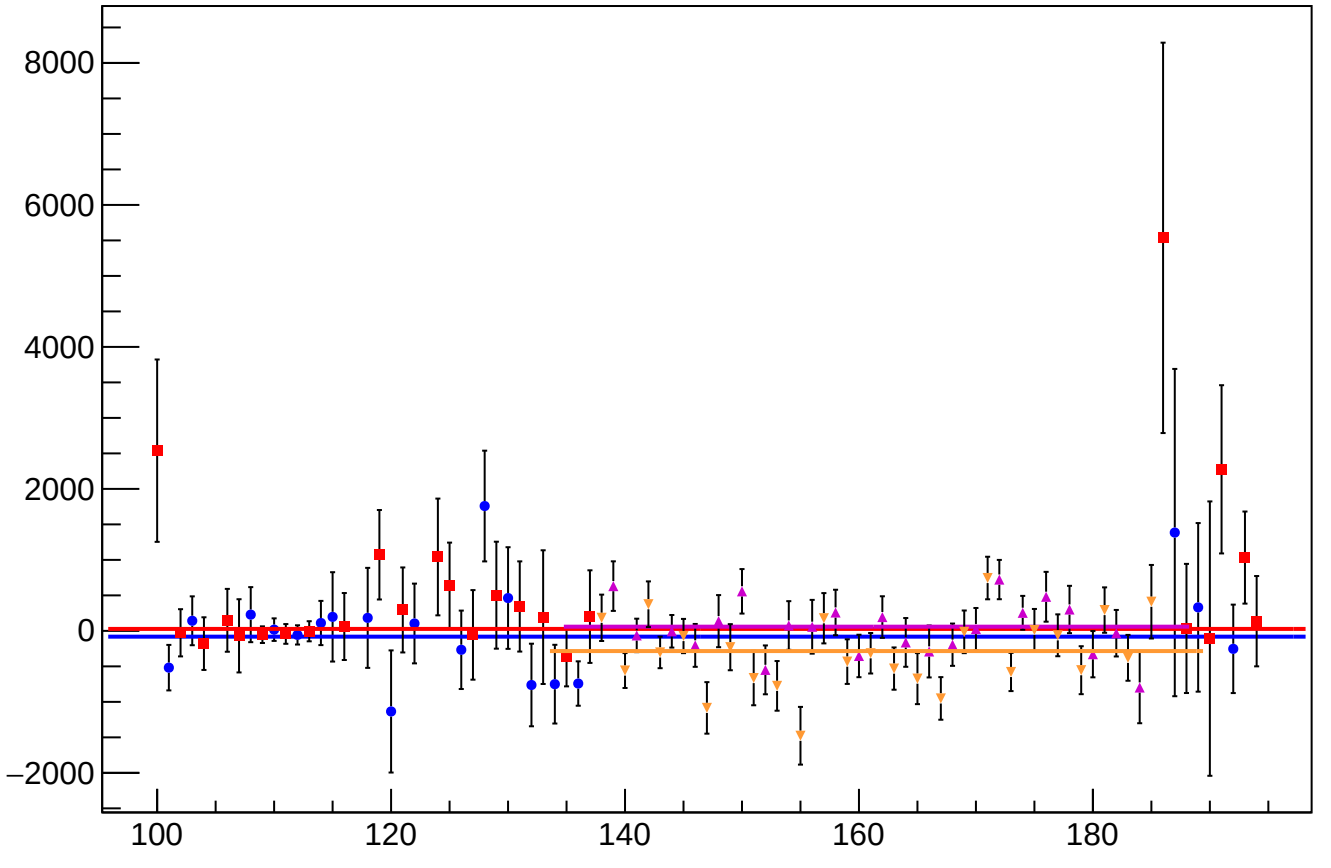
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 71.100+/-0.011 χ^2/NDF: 1264373.6/43

In: 67.605+/-0.009 χ^2/NDF:1563626.6/41

Out: 68.222+/-0.009 χ^2/NDF:2363605.2/49

All: 67.926+/-0.006 χ^2/NDF: 3929480.0/91



Right In: -81.448+/-77.843 χ^2/NDF: 19.8/18

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 27.609+/-64.907 χ^2/NDF: 22.2/24

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

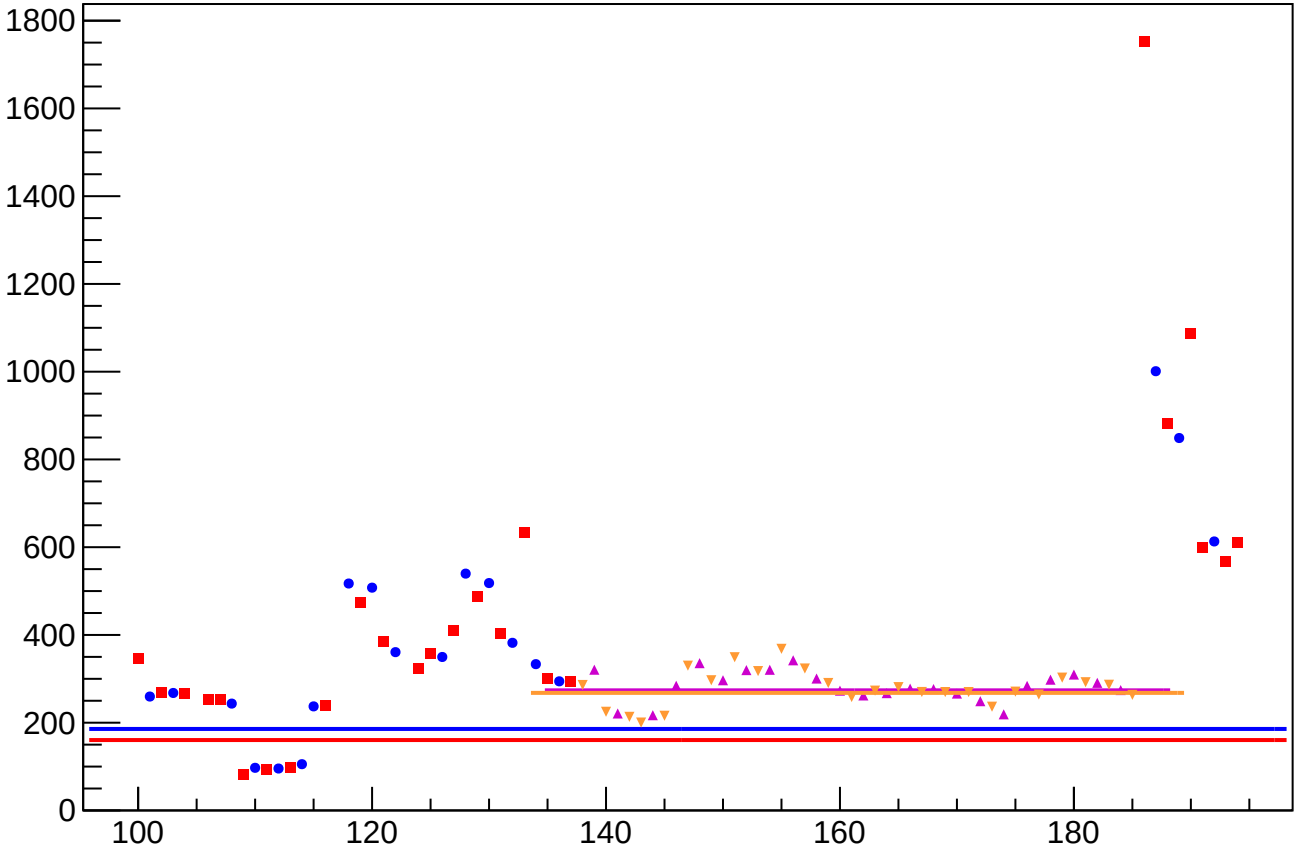
Right: -17.117+/-49.851 χ^2/NDF: 43.2/43

In: 1.779+/-49.728 χ^2/NDF:48.6/41

Out: -136.251+/-44.730 χ^2/NDF:89.0/49

All: -74.520+/-33.256 χ^2/NDF: 141.8/91

asym_sam8_dit_correction_rms vs Slug, Sign Corrected



Right In: 185.776+/-0.055 χ^2/NDF: 6280692.6/18

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 160.462+/-0.046 χ^2/NDF: 9711075.1/24

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

Left: 270.736+/-0.032 χ^2/NDF: 1521404.4/47

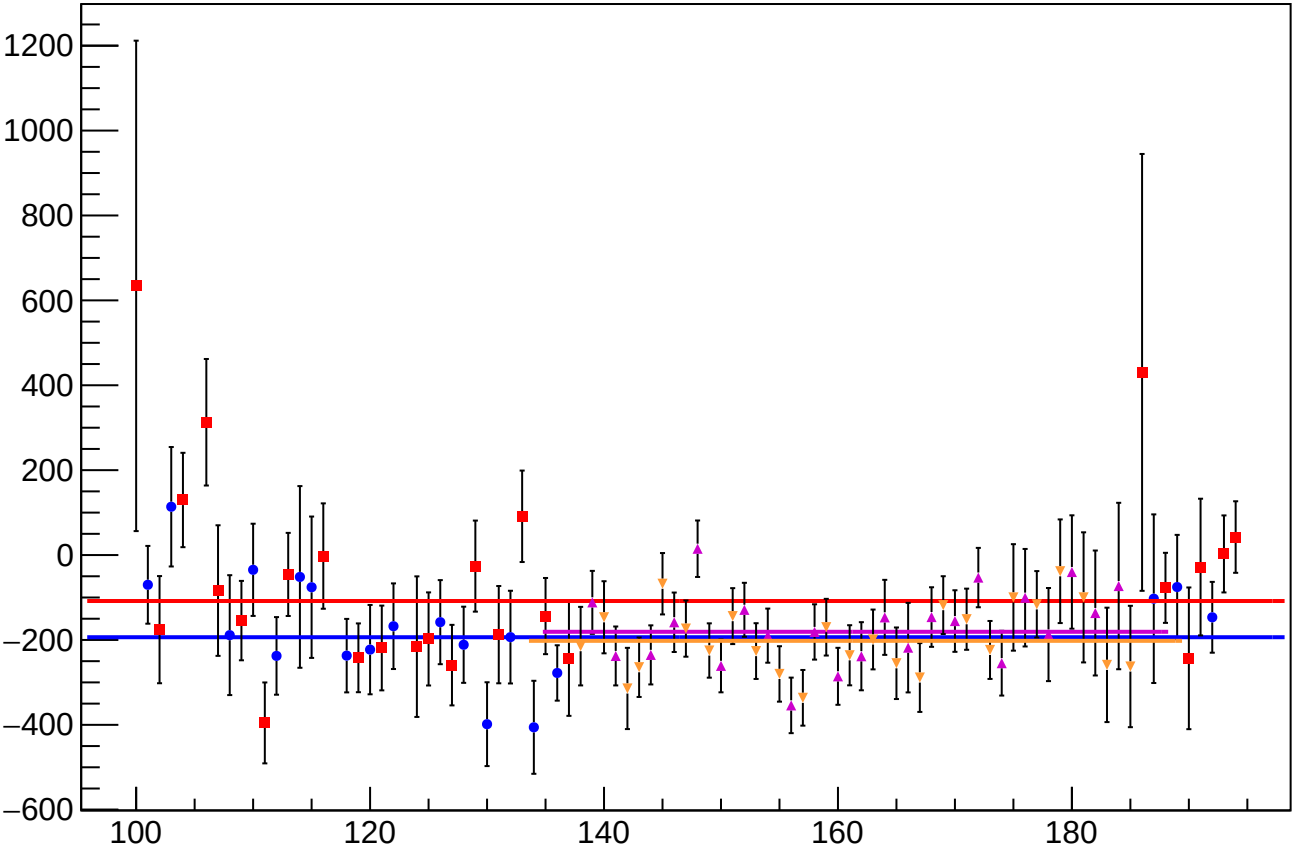
Right: 170.843+/-0.035 χ^2/NDF: 16116525.7/43

In: 237.848+/-0.035 χ^2/NDF:8443010.2/41

Out: 216.922+/-0.032 χ^2/NDF:13455827.7/49

All: 226.281+/-0.024 χ^2/NDF: 22094617.0/91

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -193.582+/-23.767 χ^2/NDF: 21.6/18

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -108.261+/-22.210 χ^2/NDF: 45.1/24

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

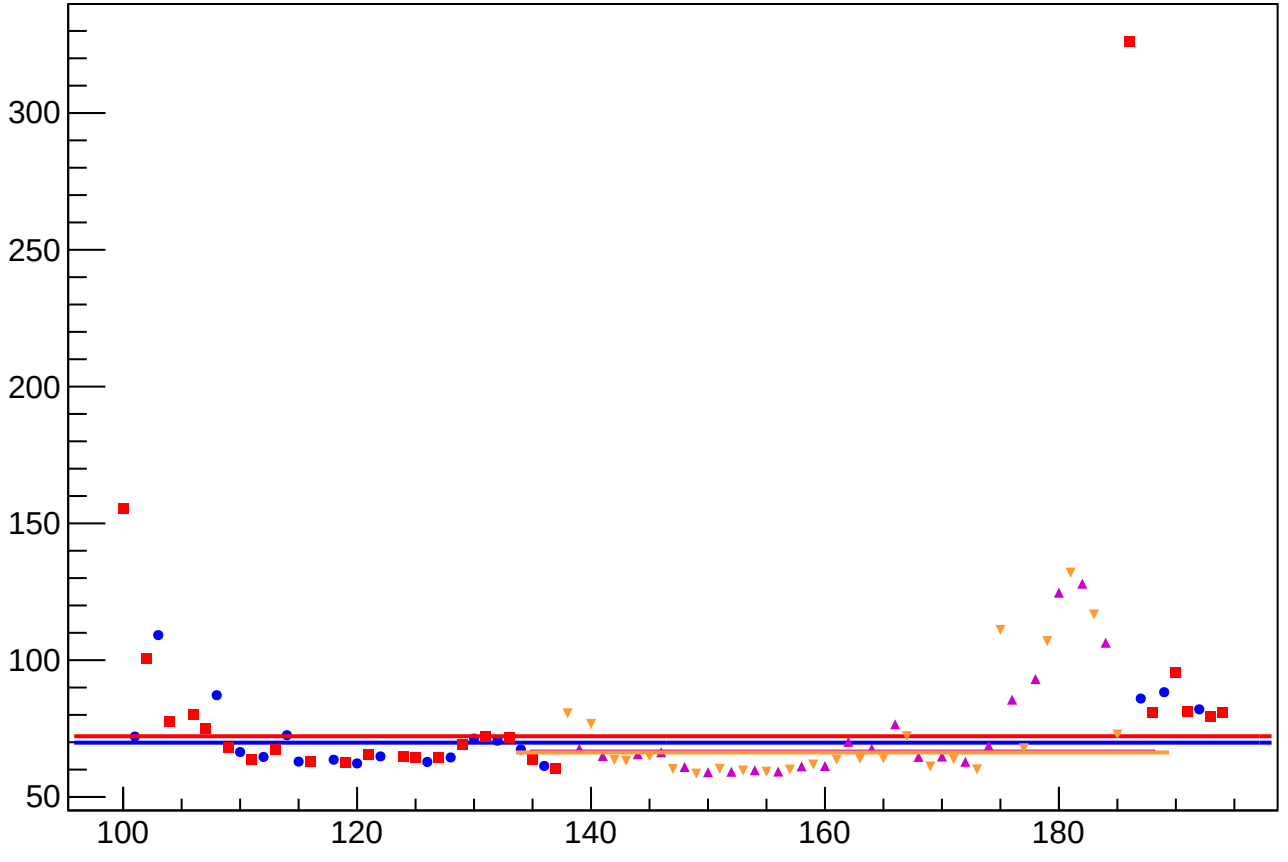
Right: -148.035+/-16.227 χ^2/NDF: 73.6/43

In: -184.782+/-13.283 χ^2/NDF:52.0/41

Out: -171.257+/-12.732 χ^2/NDF:78.6/49

All: -177.733+/-9.192 χ^2/NDF: 131.1/91

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 69.849+/-0.017 χ^2/NDF: 379448.7/18

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 72.191+/-0.016 χ^2/NDF: 874561.4/24

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

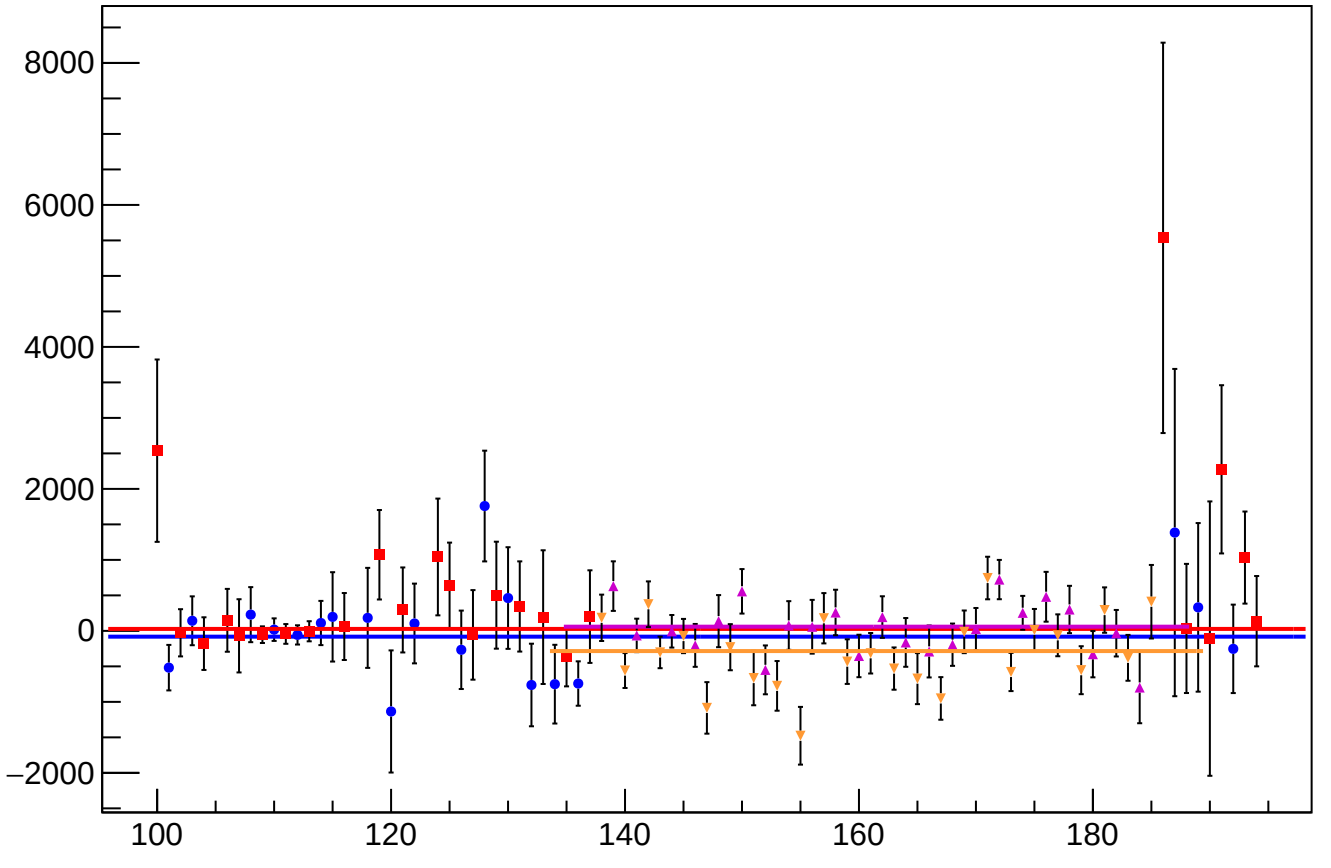
Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

Right: 71.100+/-0.011 χ^2/NDF: 1264377.1/43

In: 67.605+/-0.009 χ^2/NDF:1563618.7/41

Out: 68.222+/-0.009 χ^2/NDF:2363602.1/49

All: 67.926+/-0.006 χ^2/NDF: 3929468.8/91



Right In: -81.446+/-77.843 χ^2/NDF: 19.8/18

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 27.608+/-64.907 χ^2/NDF: 22.2/24

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

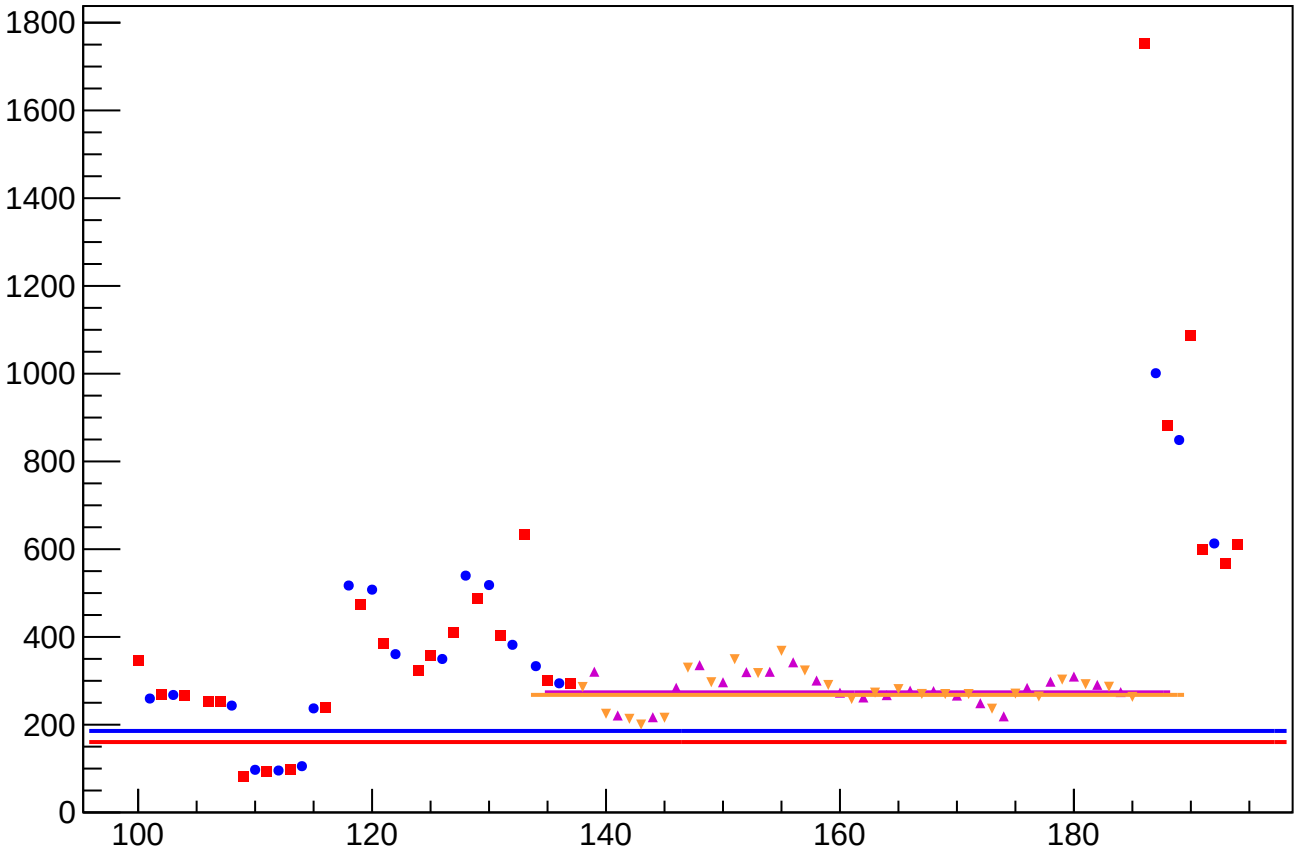
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -17.117+/-49.851 χ^2/NDF: 43.2/43

In: 1.779+/-49.728 χ^2/NDF:48.6/41

Out: -136.252+/-44.730 χ^2/NDF:89.0/49

All: -74.520+/-33.256 χ^2/NDF: 141.8/91



Right In: 185.774+/-0.055 χ^2/NDF: 6280720.3/18

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 160.461+/-0.046 χ^2/NDF: 9711054.0/24

Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

Left: 270.735+/-0.032 χ^2/NDF: 1521420.2/47

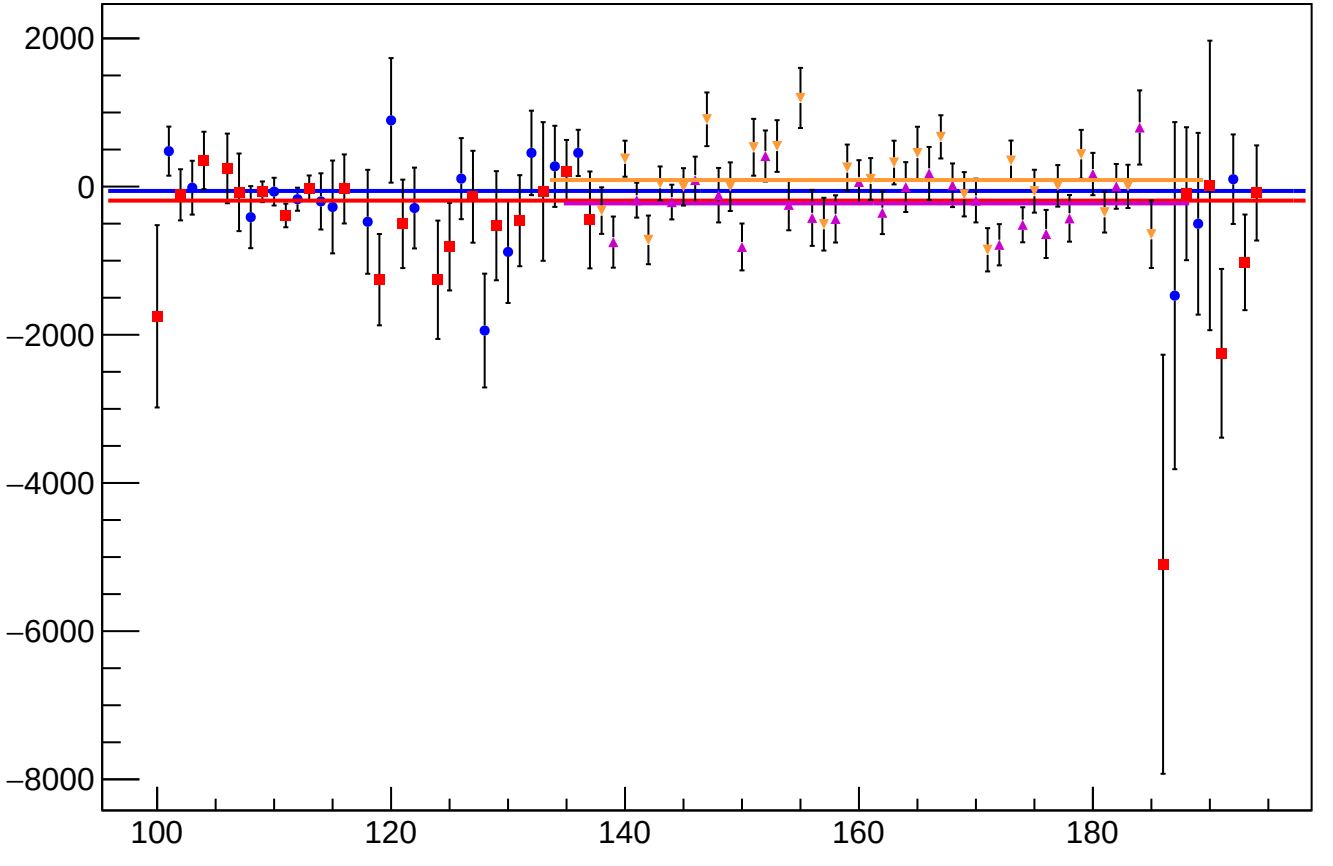
Right: 170.843+/-0.035 χ^2/NDF: 16116522.6/43

In: 237.847+/-0.035 χ^2/NDF:8443076.6/41

Out: 216.921+/-0.032 χ^2/NDF:13455801.3/49

All: 226.280+/-0.024 χ^2/NDF: 22094646.5/91

asym_sam8_mean vs Slug, Sign Corrected



Right In: -58.860+/-85.738 χ^2/NDF: 17.9/18

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: -189.368+/-73.142 χ^2/NDF: 23.6/24

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

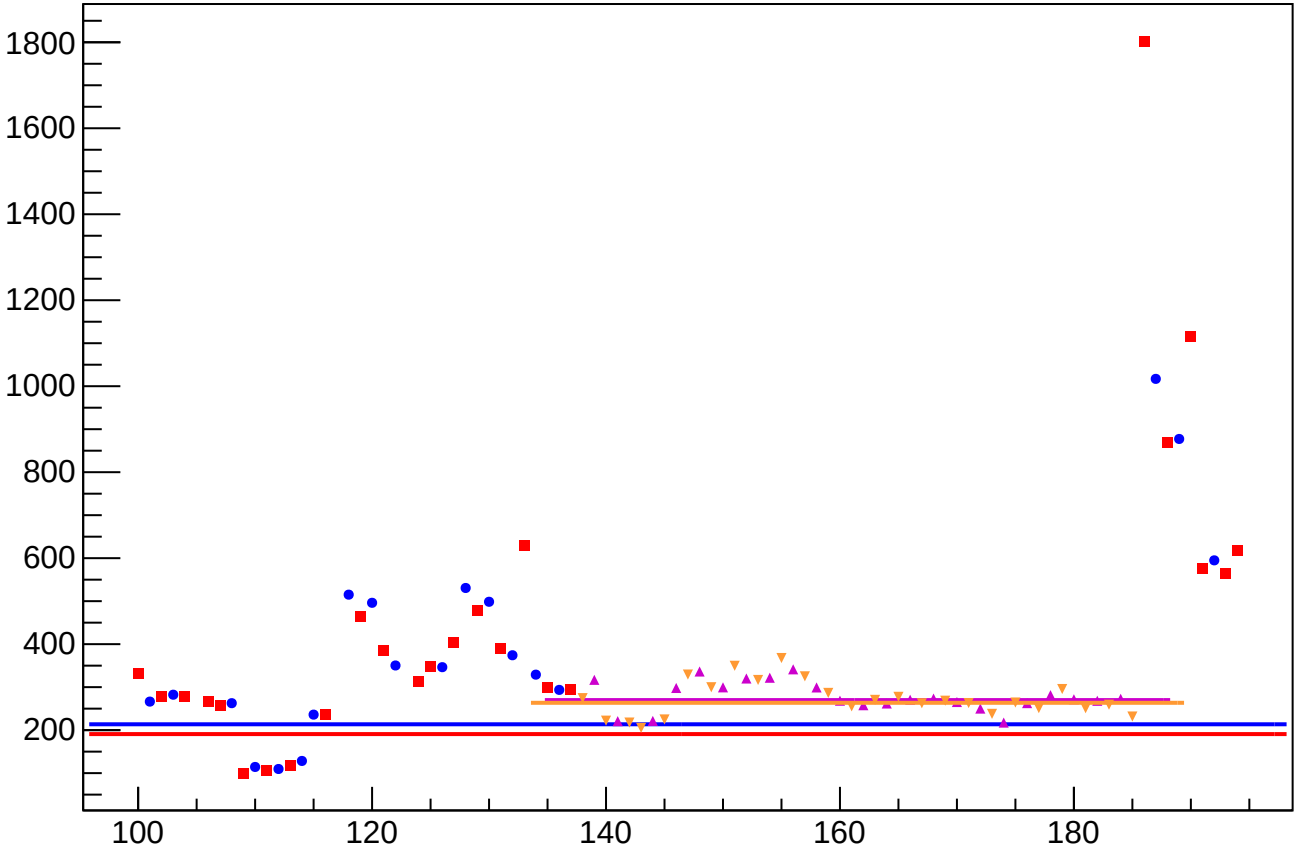
Right: -134.396+/-55.645 χ^2/NDF: 42.9/43

In: -167.140+/-51.120 χ^2/NDF:49.3/41

Out: -24.811+/-46.694 χ^2/NDF:84.3/49

All: -89.549+/-34.477 χ^2/NDF: 137.8/91

asym_sam8_rms vs Slug, Sign Corrected



Right In: 213.621+/-0.061 χ^2/NDF: 5229589.7/18

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 190.815+/-0.052 χ^2/NDF: 8354139.6/24

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

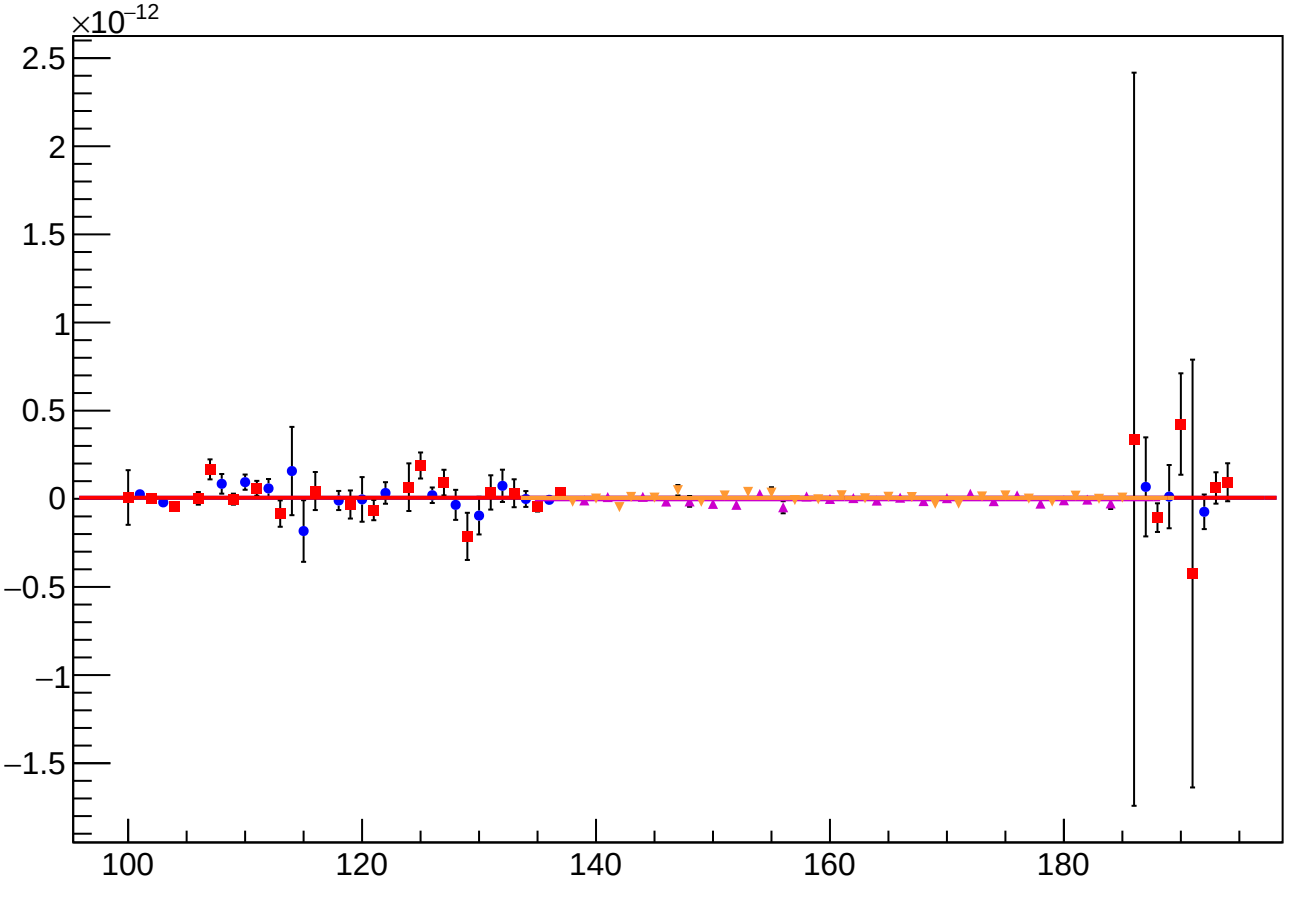
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 200.421+/-0.039 χ^2/NDF: 13665634.1/43

In: 249.891+/-0.036 χ^2/NDF:6387174.4/41

Out: 233.931+/-0.033 χ^2/NDF:10307090.8/49

All: 241.190+/-0.024 χ^2/NDF: 16800545.8/91



Right In: 0.000+/-0.000 χ^2/NDF: 14.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.8/24

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

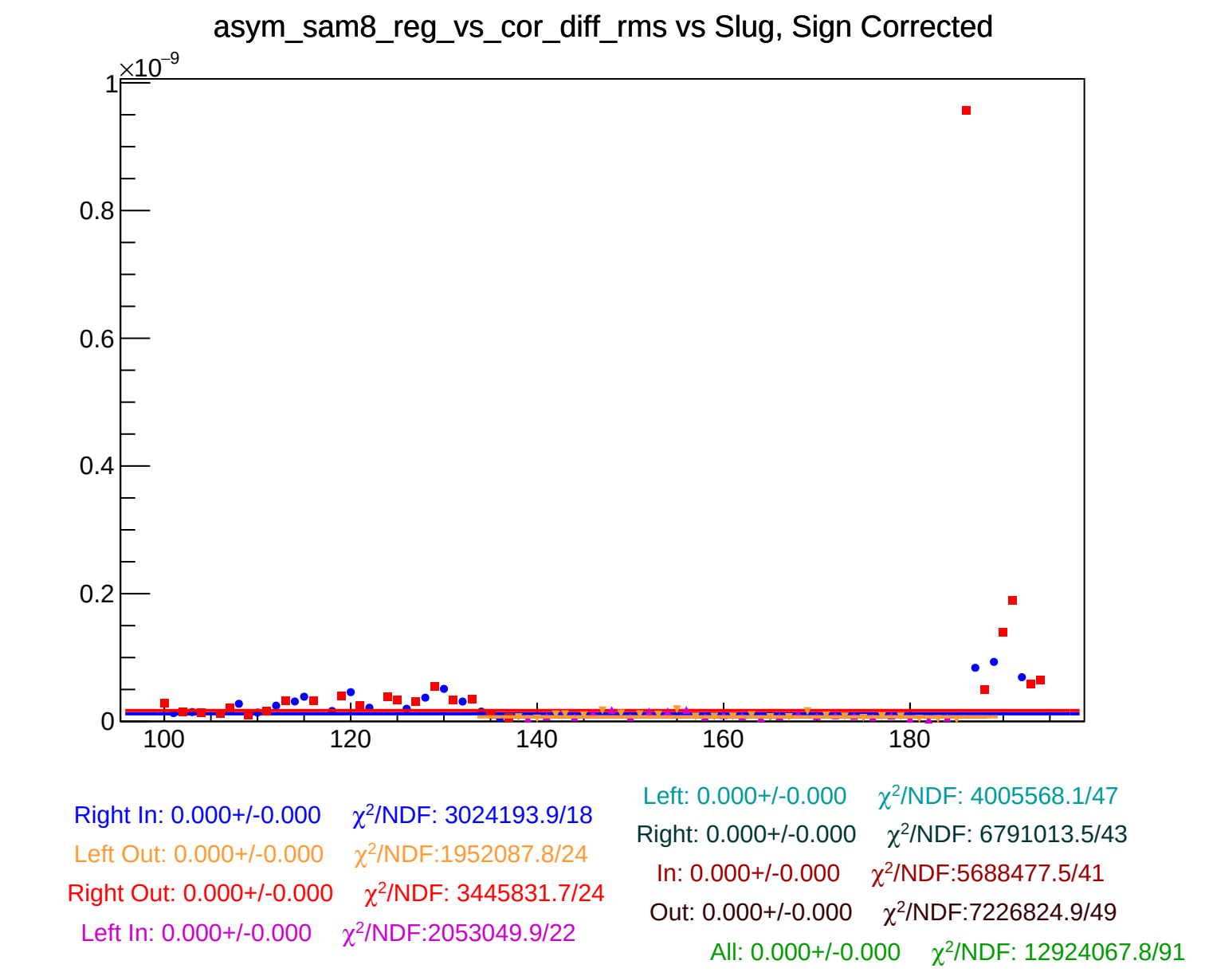
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

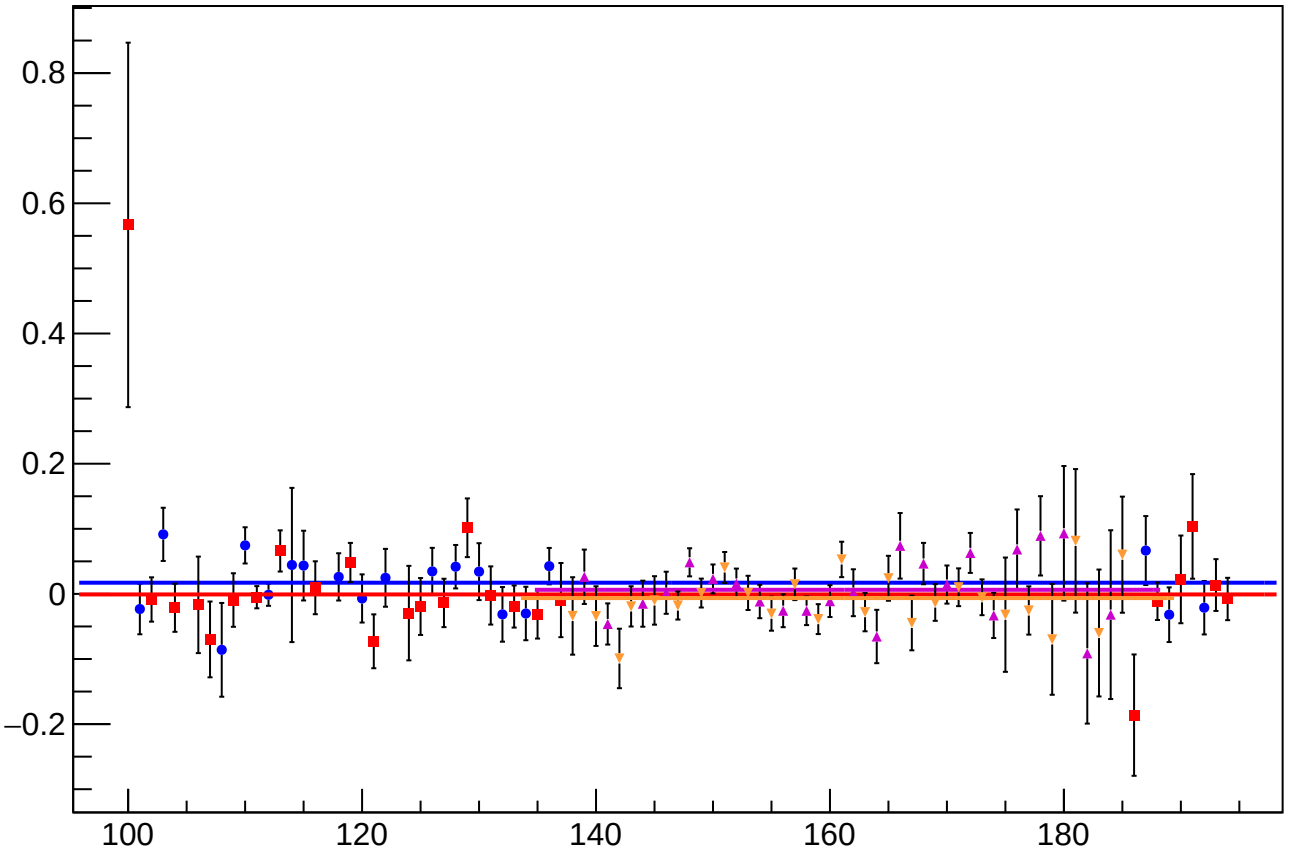
Right: 0.000+/-0.000 χ^2/NDF: 50.3/43

In: -0.000+/-0.000 χ^2/NDF:37.0/41

Out: 0.000+/-0.000 χ^2/NDF:63.7/49

All: 0.000+/-0.000 χ^2/NDF: 103.3/91


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 3024193.9/18
Left Out: 0.000+/-0.000 χ²/NDF:1952087.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 3445831.7/24
Left In: 0.000+/-0.000 χ²/NDF:2053049.9/22
Left: 0.000+/-0.000 χ²/NDF: 4005568.1/47
Right: 0.000+/-0.000 χ²/NDF: 6791013.5/43
In: 0.000+/-0.000 χ²/NDF:5688477.5/41
Out: 0.000+/-0.000 χ²/NDF:7226824.9/49
All: 0.000+/-0.000 χ²/NDF: 12924067.8/91



Right In: 0.017+/-0.008 χ^2/NDF: 20.2/18

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.001+/-0.008 χ^2/NDF: 28.9/24

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

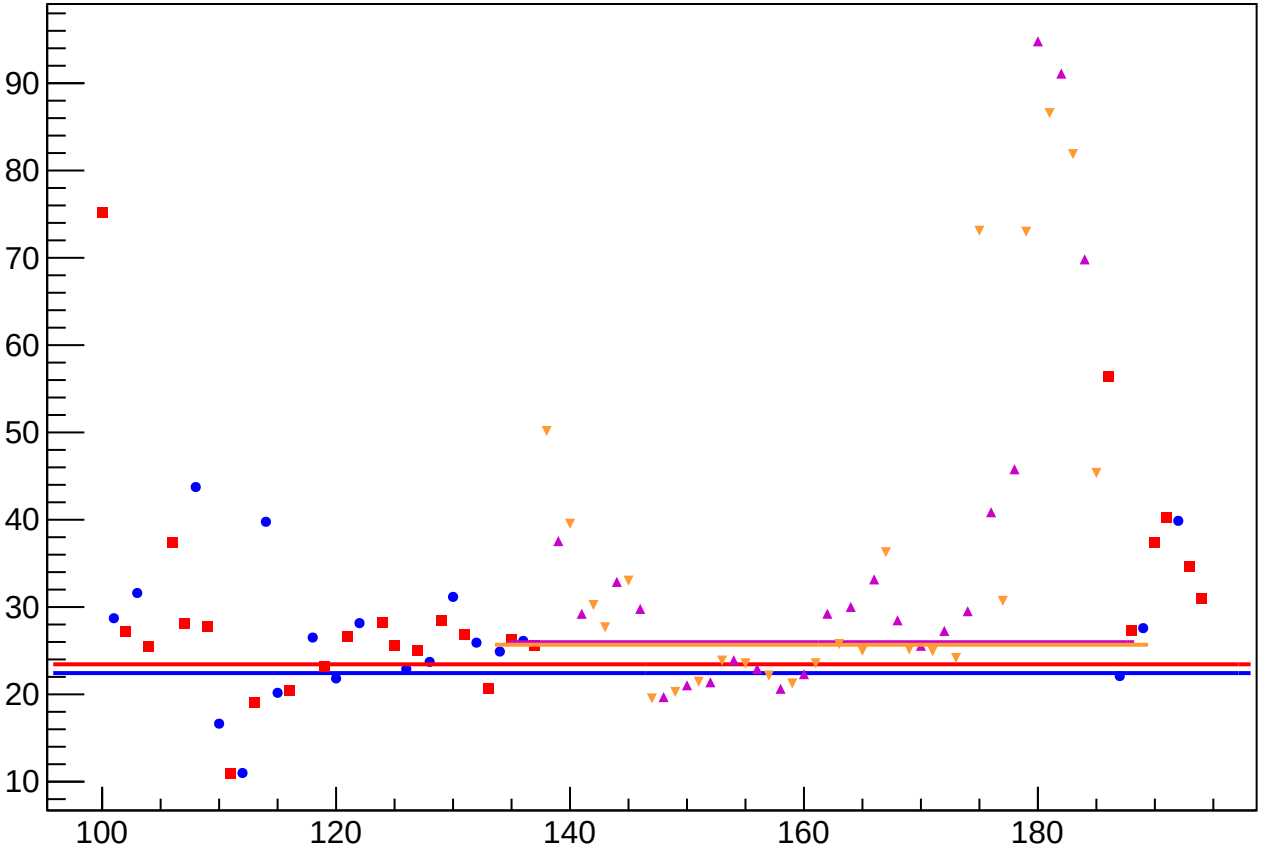
Right: 0.008+/-0.006 χ^2/NDF: 51.7/43

In: 0.011+/-0.005 χ^2/NDF:49.7/41

Out: -0.004+/-0.005 χ^2/NDF:51.8/49

All: 0.003+/-0.004 χ^2/NDF: 105.8/91

asym_sam8_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.435+/-0.006 χ^2/NDF: 1957512.5/18

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 23.443+/-0.005 χ^2/NDF: 2155107.9/24

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

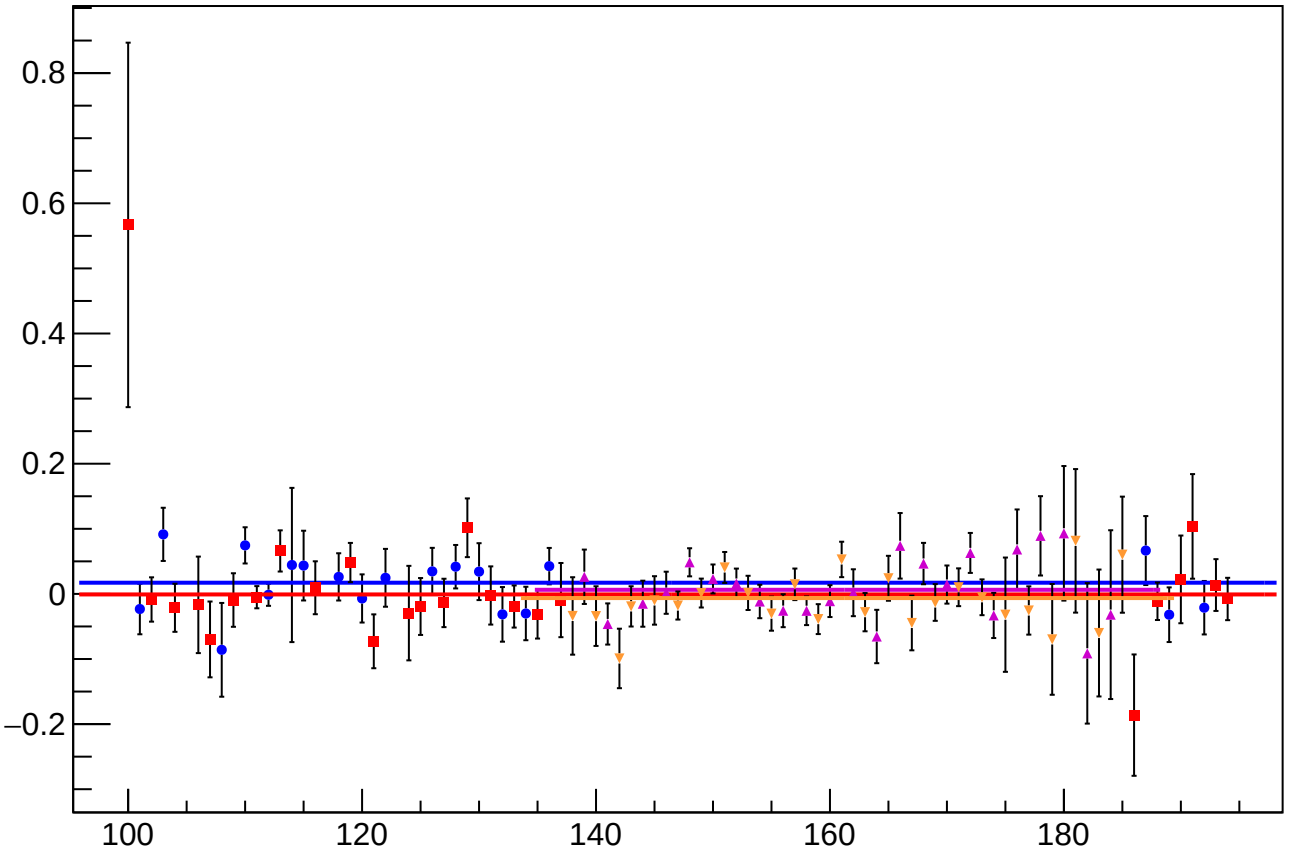
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 22.975+/-0.004 χ^2/NDF: 4128716.5/43

In: 24.580+/-0.004 χ^2/NDF:5300044.2/41

Out: 24.762+/-0.003 χ^2/NDF:6127829.0/49

All: 24.676+/-0.003 χ^2/NDF: 11429182.4/91



Right In: 0.017+/-0.008 χ^2/NDF: 20.2/18

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.001+/-0.008 χ^2/NDF: 28.9/24

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

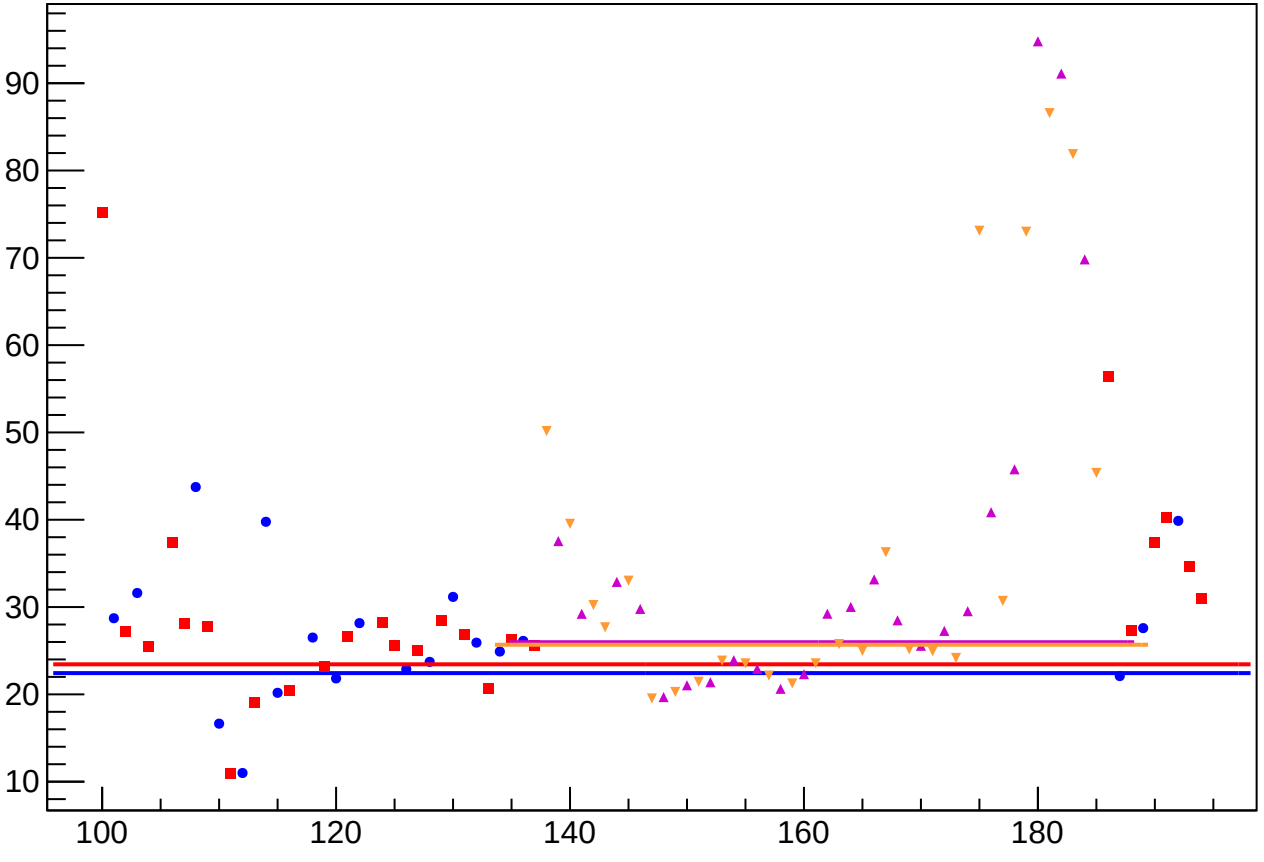
Right: 0.008+/-0.006 χ^2/NDF: 51.7/43

In: 0.011+/-0.005 χ^2/NDF:49.7/41

Out: -0.004+/-0.005 χ^2/NDF:51.8/49

All: 0.003+/-0.004 χ^2/NDF: 105.8/91

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.435+/-0.006 χ^2/NDF: 1957512.5/18

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 23.443+/-0.005 χ^2/NDF: 2155107.9/24

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

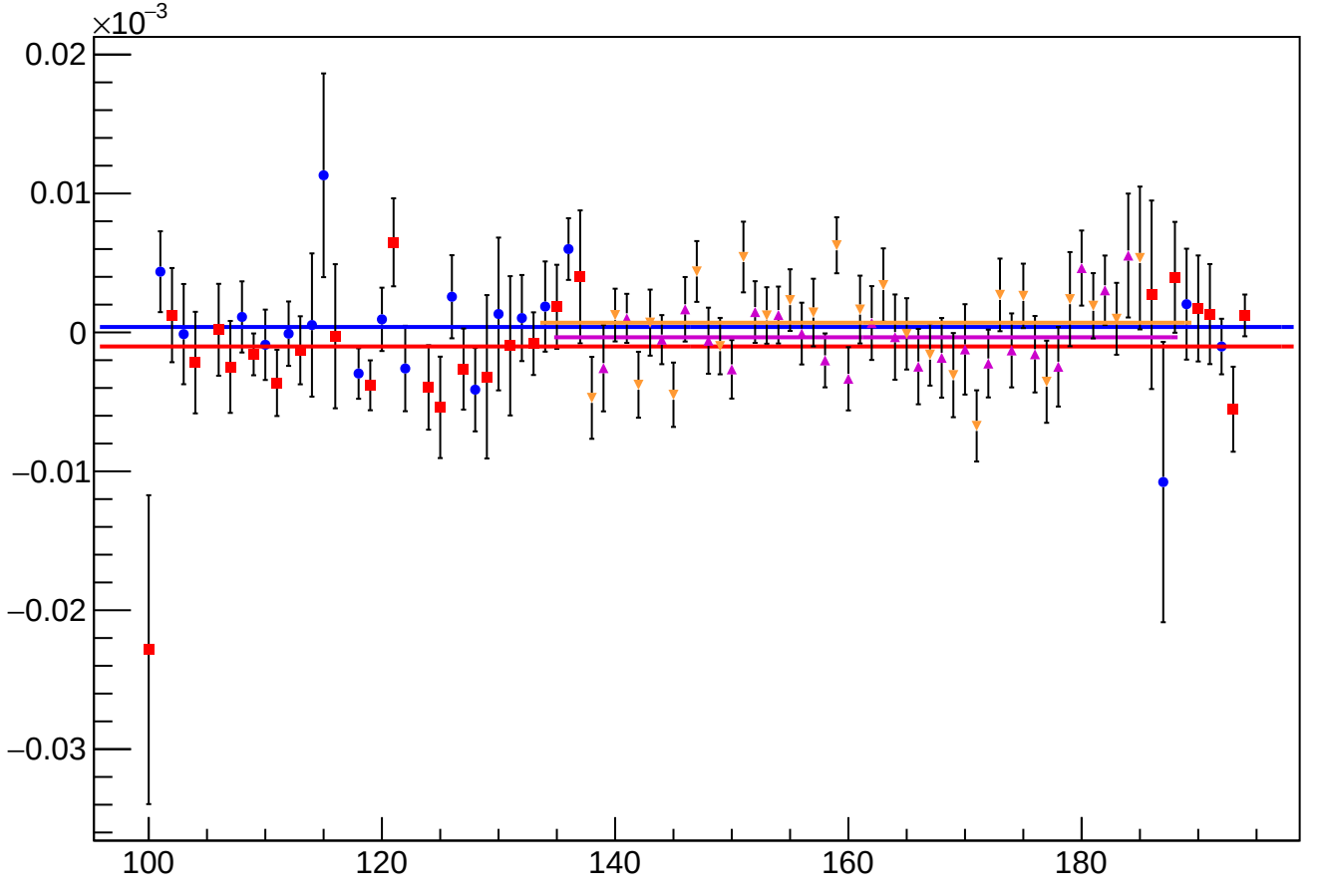
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 22.975+/-0.004 χ^2/NDF: 4128716.5/43

In: 24.580+/-0.004 χ^2/NDF:5300044.2/41

Out: 24.762+/-0.003 χ^2/NDF:6127829.0/49

All: 24.676+/-0.003 χ^2/NDF: 11429182.4/91



Right In: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.2/24

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

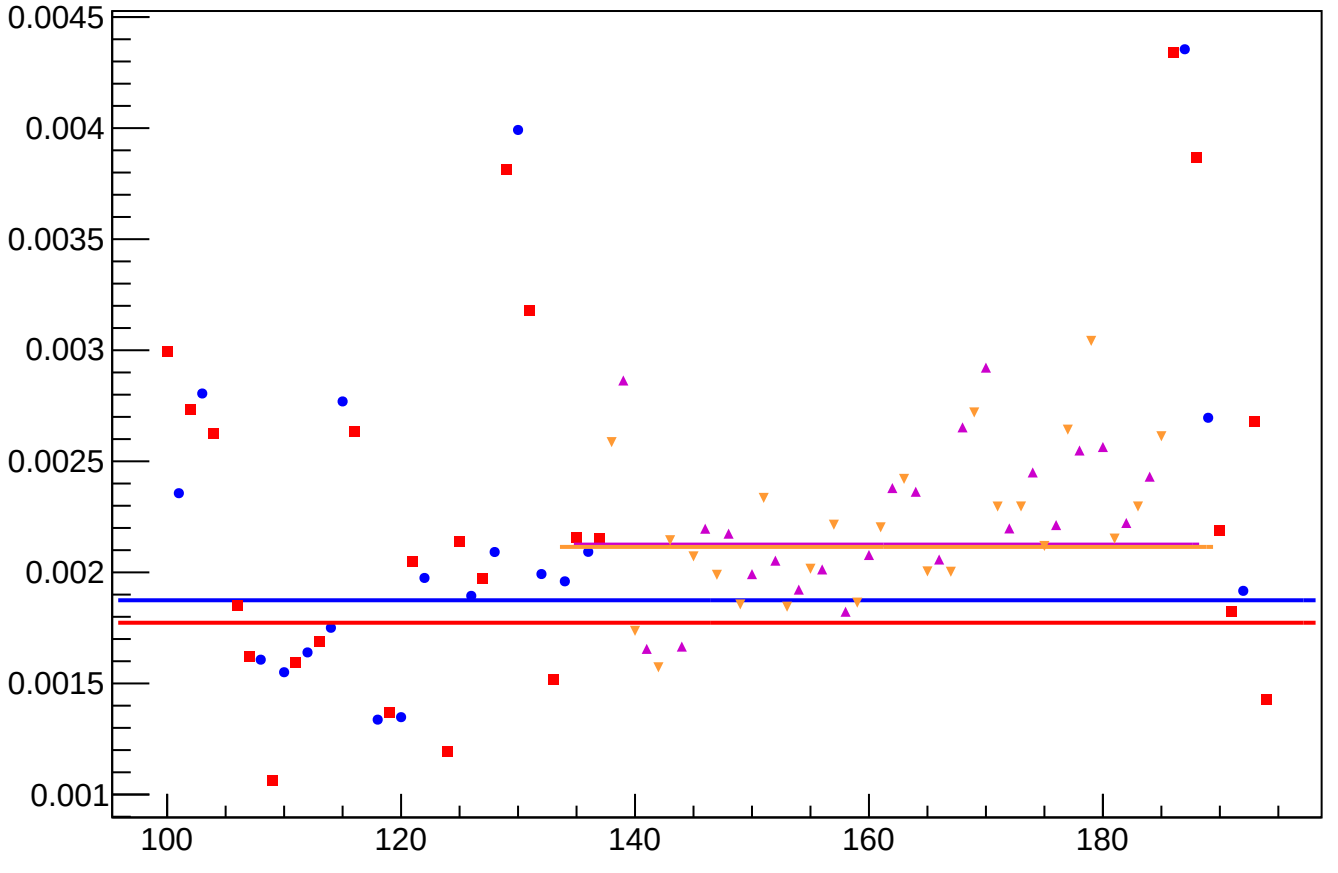
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

Right: -0.000+/-0.000 χ^2/NDF: 49.0/43

In: -0.000+/-0.000 χ^2/NDF:37.4/41

Out: -0.000+/-0.000 χ^2/NDF:75.7/49

All: -0.000+/-0.000 χ^2/NDF: 113.1/91



Right In: 0.002+/-0.000 χ^2/NDF: 1114375.2/18

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 2642321.3/24

Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

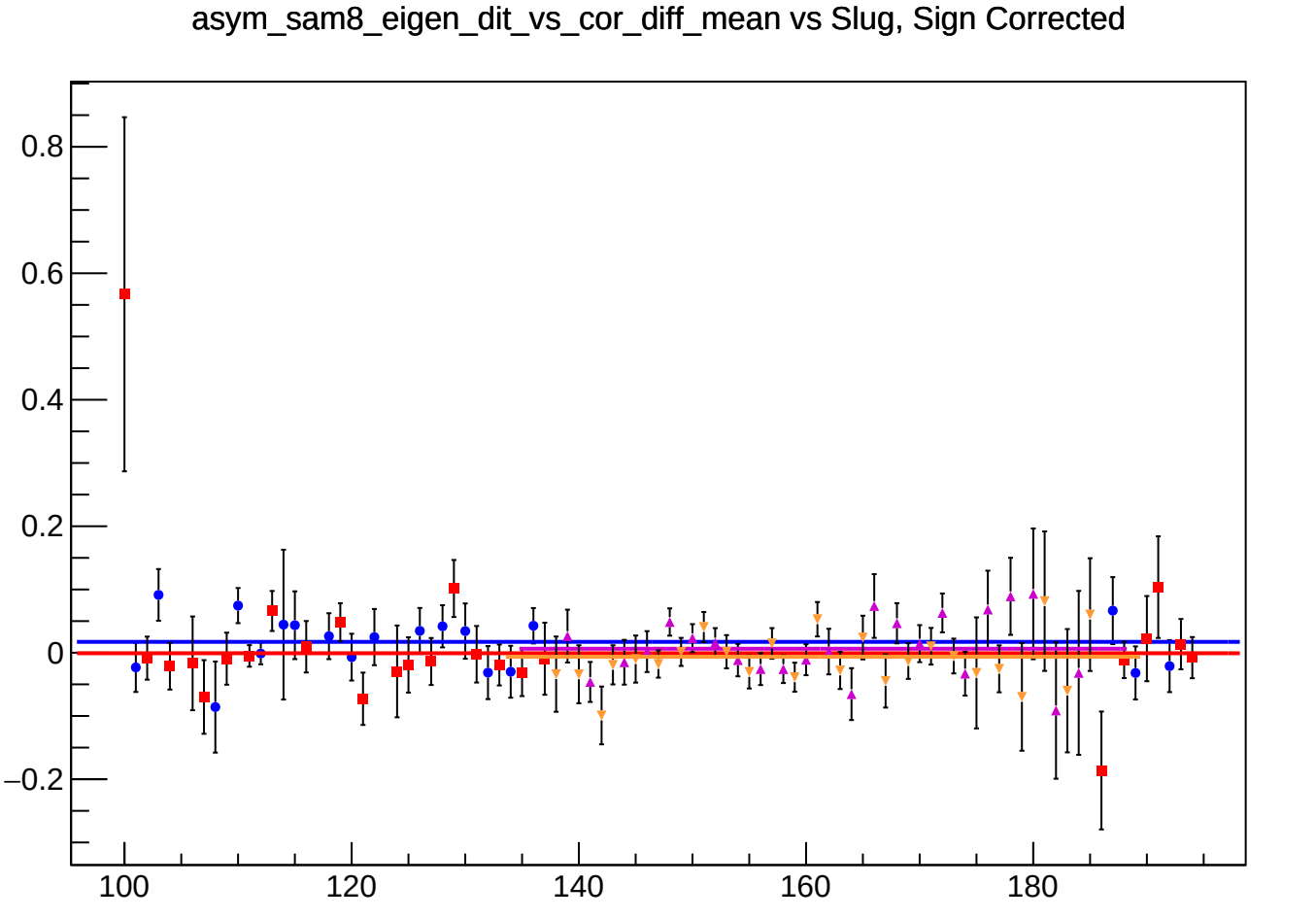
Left: 0.002+/-0.000 χ^2/NDF: 1581867.2/47

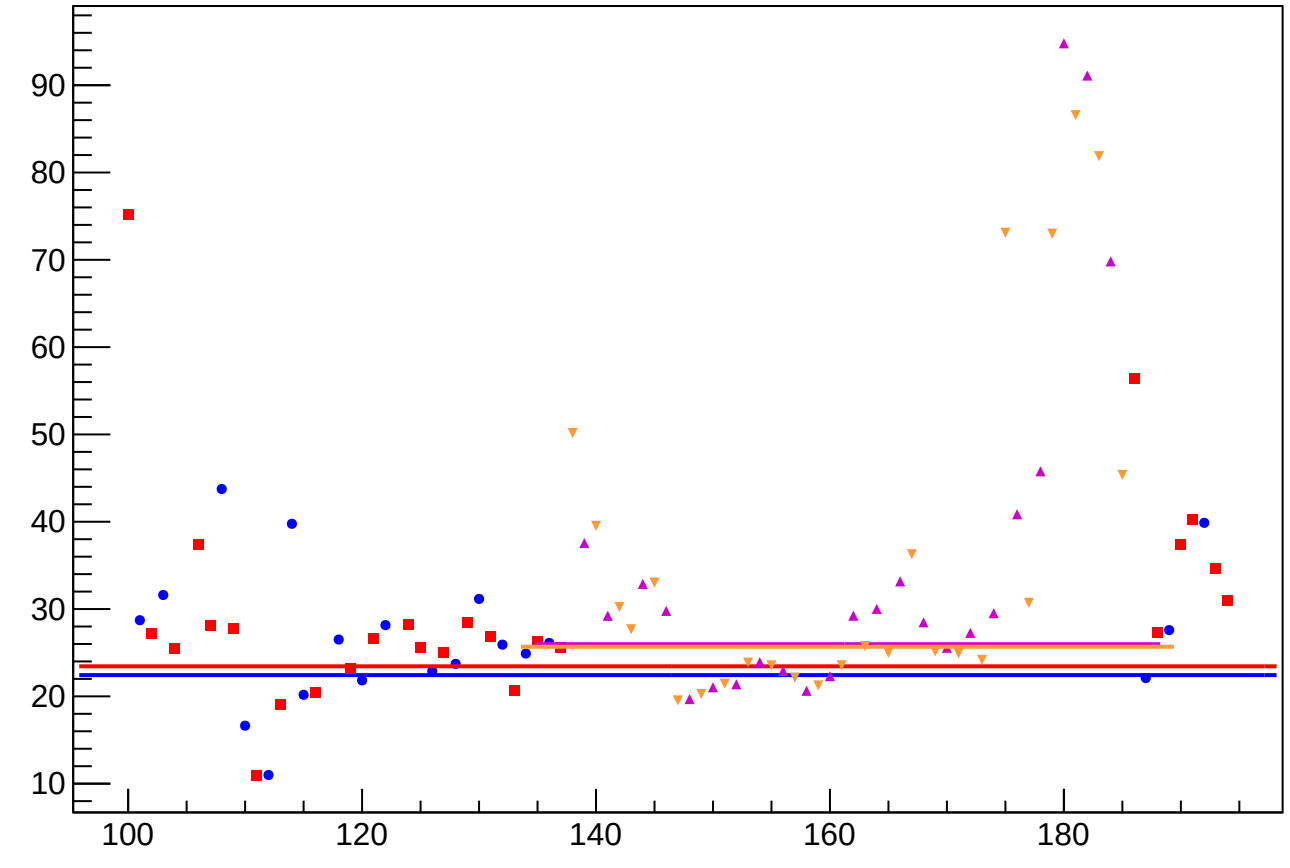
Right: 0.002+/-0.000 χ^2/NDF: 3783828.5/43

In: 0.002+/-0.000 χ^2/NDF:2135895.2/41

Out: 0.002+/-0.000 χ^2/NDF:3801416.1/49

All: 0.002+/-0.000 χ^2/NDF: 5962714.7/91


asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
Right In: 0.017+/-0.008 χ²/NDF: 20.2/18
Left Out: -0.006+/-0.006 χ²/NDF:22.6/24
Right Out: -0.001+/-0.008 χ²/NDF: 28.9/24
Left In: 0.006+/-0.007 χ²/NDF:28.4/22
Left: -0.000+/-0.005 χ²/NDF: 52.9/47
Right: 0.008+/-0.006 χ²/NDF: 51.7/43
In: 0.011+/-0.005 χ²/NDF:49.7/41
Out: -0.004+/-0.005 χ²/NDF:51.8/49
All: 0.003+/-0.004 χ²/NDF: 105.8/91



Right In: 22.434+/-0.006 χ^2/NDF: 1957691.0/18

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 23.442+/-0.005 χ^2/NDF: 2155285.1/24

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

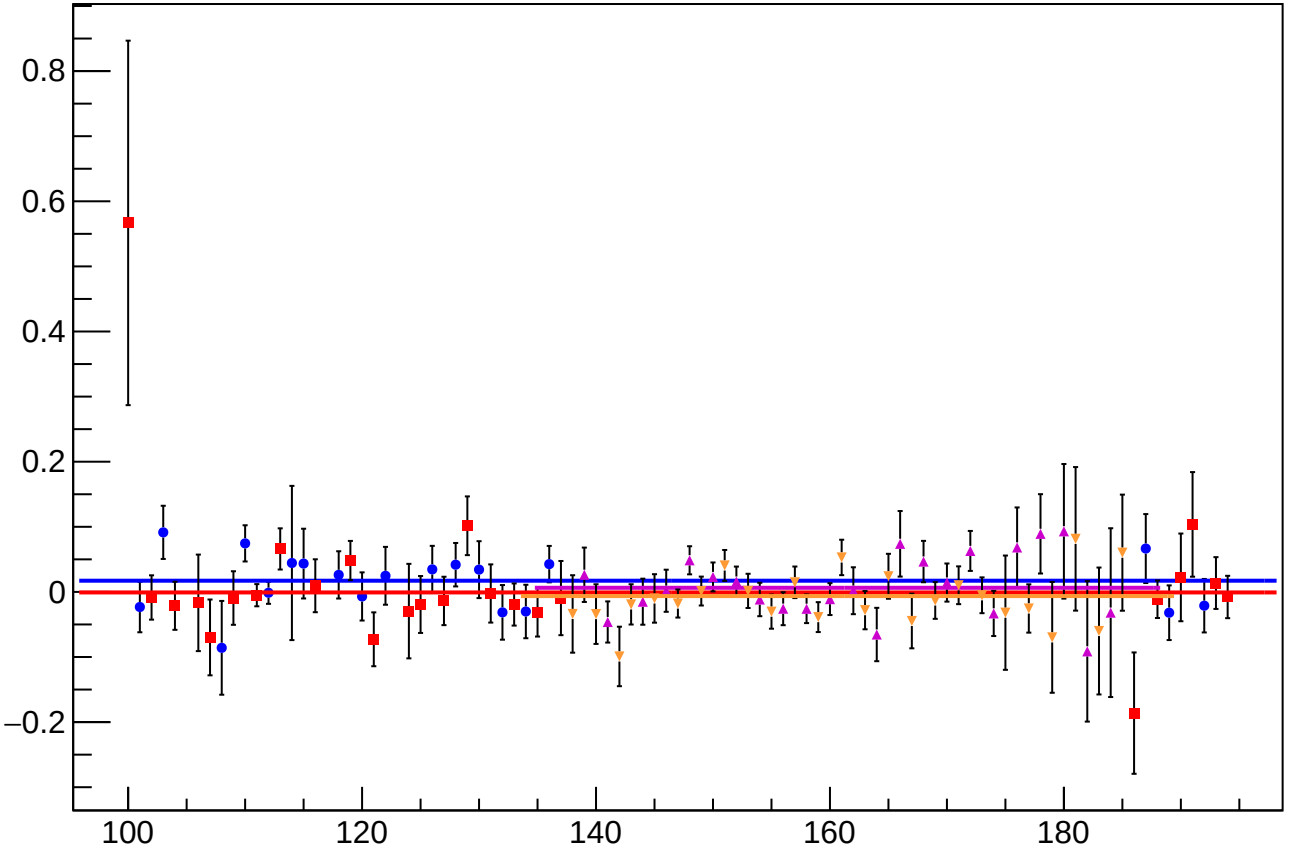
Right: 22.975+/-0.004 χ^2/NDF: 4129070.2/43

In: 24.580+/-0.004 χ^2/NDF:5300295.9/41

Out: 24.762+/-0.003 χ^2/NDF:6128079.7/49

All: 24.676+/-0.003 χ^2/NDF: 11429684.0/91

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.008 χ^2/NDF: 20.2/18

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.001+/-0.008 χ^2/NDF: 28.9/24

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

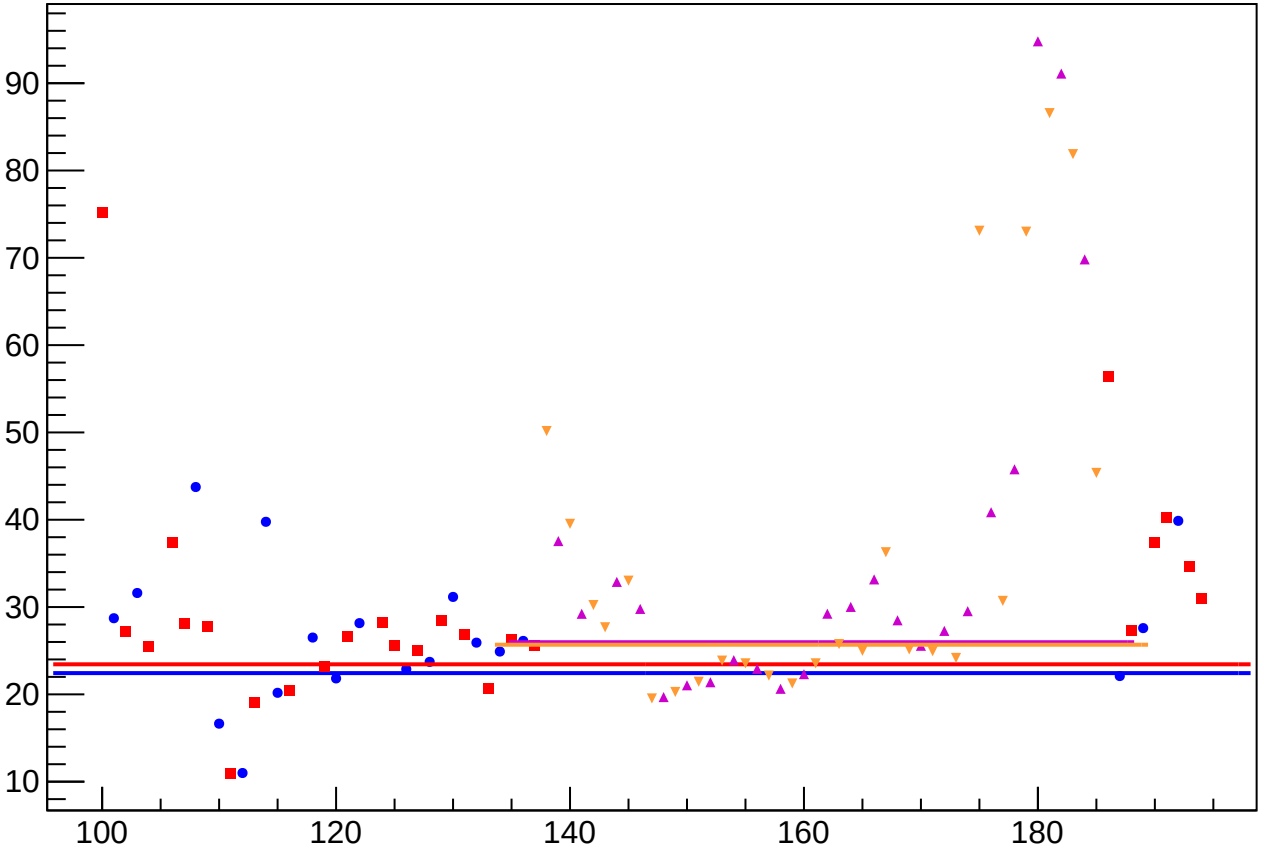
Right: 0.008+/-0.006 χ^2/NDF: 51.7/43

In: 0.011+/-0.005 χ^2/NDF:49.7/41

Out: -0.004+/-0.005 χ^2/NDF:51.8/49

All: 0.003+/-0.004 χ^2/NDF: 105.8/91

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.434+/-0.006 χ^2/NDF: 1957691.0/18

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 23.442+/-0.005 χ^2/NDF: 2155285.1/24

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

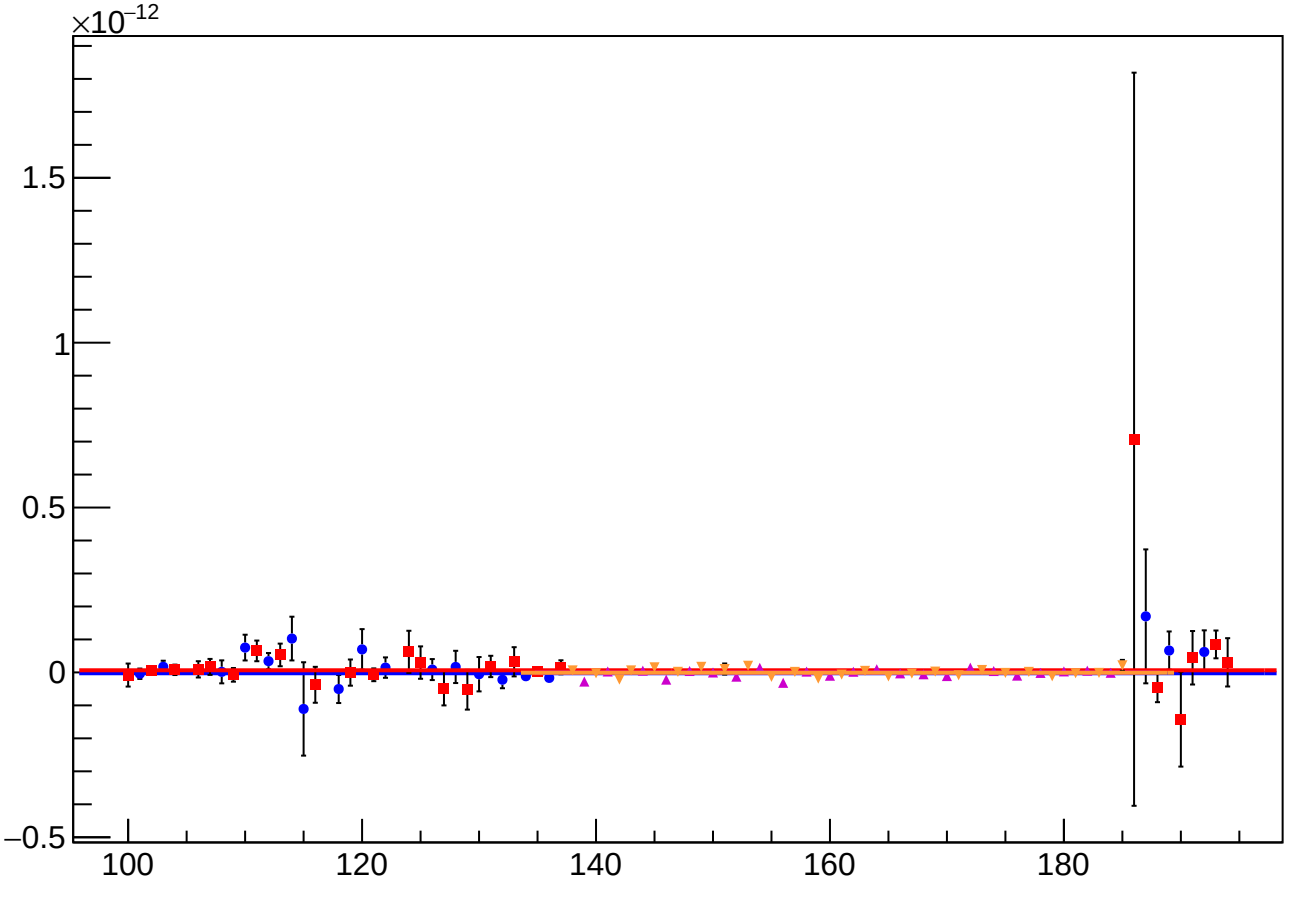
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 22.975+/-0.004 χ^2/NDF: 4129070.2/43

In: 24.580+/-0.004 χ^2/NDF:5300295.9/41

Out: 24.762+/-0.003 χ^2/NDF:6128079.7/49

All: 24.676+/-0.003 χ^2/NDF: 11429684.0/91



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/24

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

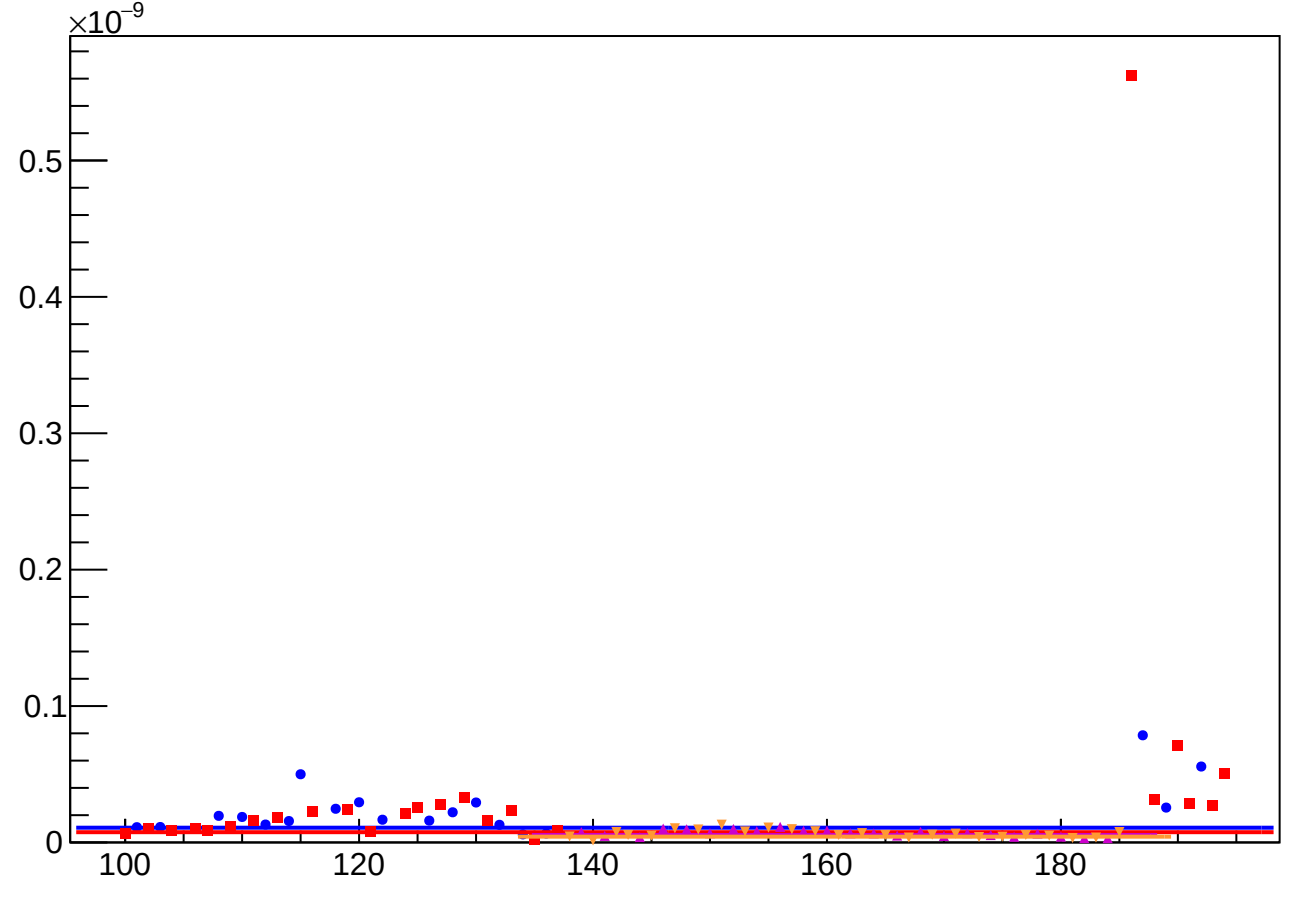
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 40.0/43

In: -0.000+/-0.000 χ^2/NDF:50.1/41

Out: -0.000+/-0.000 χ^2/NDF:49.5/49

All: -0.000+/-0.000 χ^2/NDF: 99.7/91



Right In: 0.000+/-0.000 χ^2/NDF: 3256106.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6796541.6/24

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

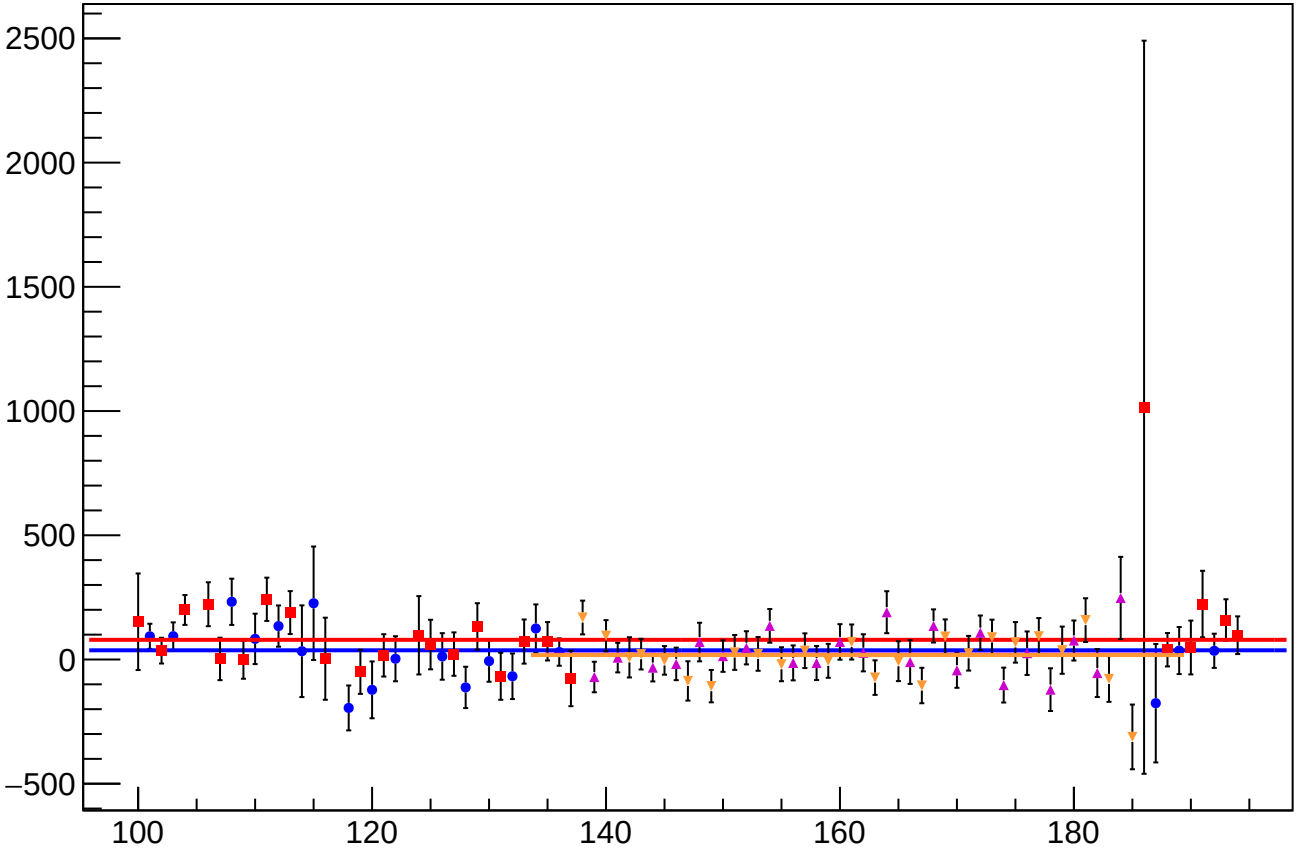
Right: 0.000+/-0.000 χ^2/NDF: 10503359.9/43

In: 0.000+/-0.000 χ^2/NDF:7835039.2/41

Out: 0.000+/-0.000 χ^2/NDF:13254006.9/49

All: 0.000+/-0.000 χ^2/NDF: 21929068.7/91

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 36.997+/-19.104 χ^2/NDF: 24.1/18

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: 79.171+/-17.596 χ^2/NDF: 25.5/24

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

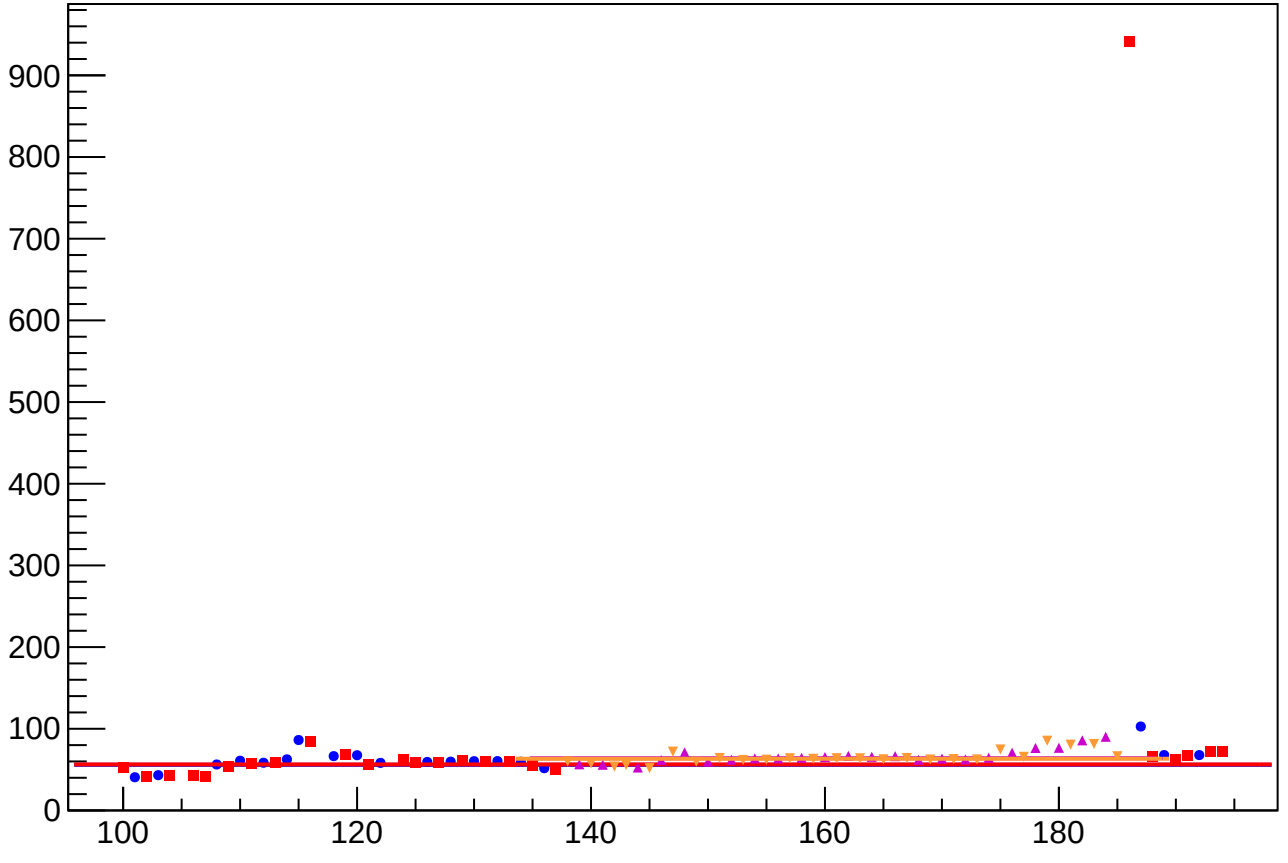
Right: 59.813+/-12.943 χ^2/NDF: 52.2/43

In: 26.283+/-11.817 χ^2/NDF:50.9/41

Out: 42.610+/-11.188 χ^2/NDF:64.3/49

All: 34.893+/-8.124 χ^2/NDF: 116.1/91

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 55.861+/-0.014 χ^2/NDF: 580793.0/18

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 56.326+/-0.012 χ^2/NDF: 1432409.9/24

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

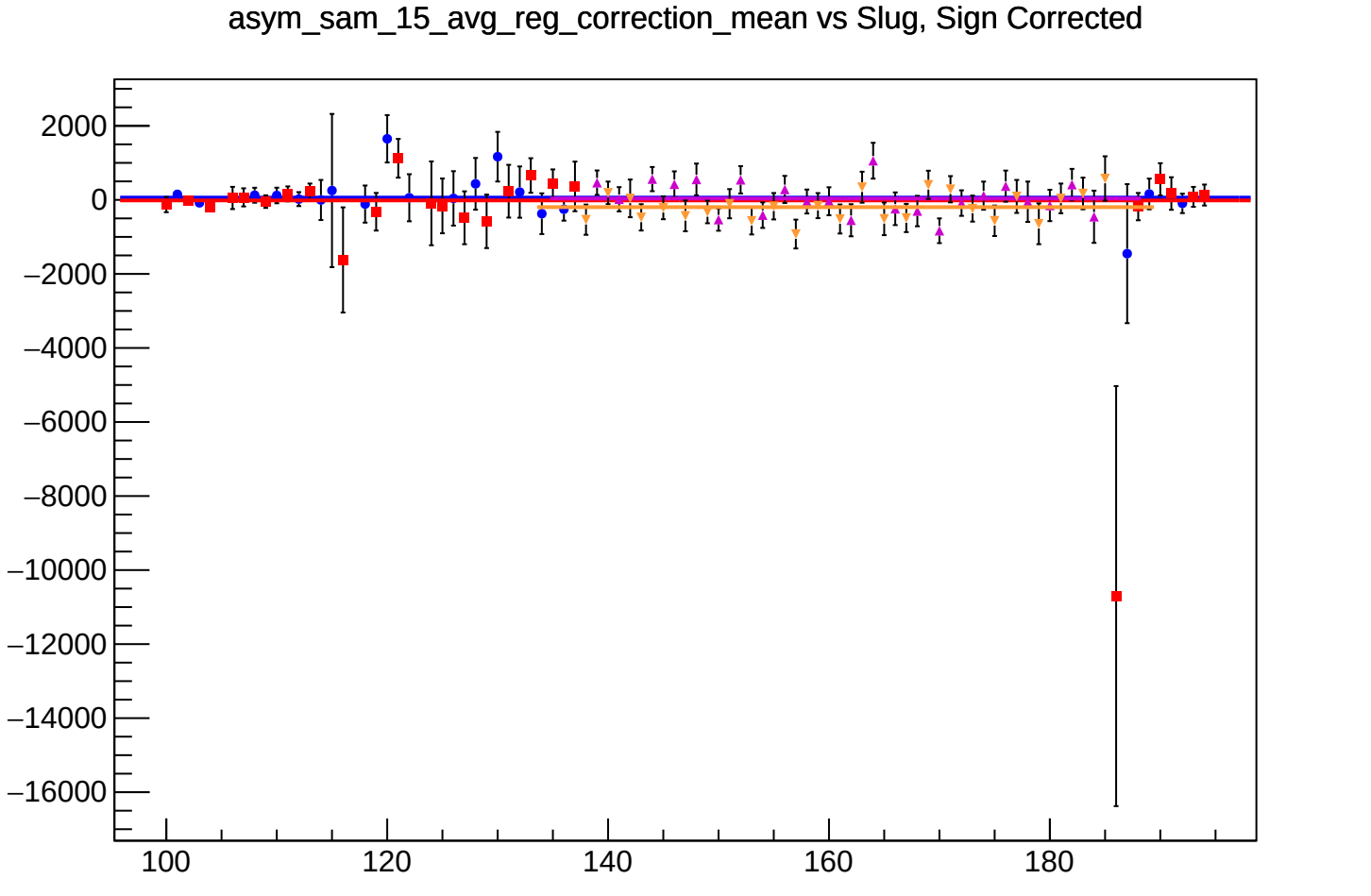
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 56.112+/-0.009 χ^2/NDF: 2013844.1/43

In: 60.835+/-0.008 χ^2/NDF:1245747.5/41

Out: 60.488+/-0.008 χ^2/NDF:2117674.4/49

All: 60.652+/-0.006 χ^2/NDF: 3364331.2/91



Right In: 61.277+/-45.477 χ^2/NDF: 16.8/18

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: -13.879+/-47.701 χ^2/NDF: 24.1/24

Left In: 36.417+/-79.210 χ^2/NDF:31.1/22

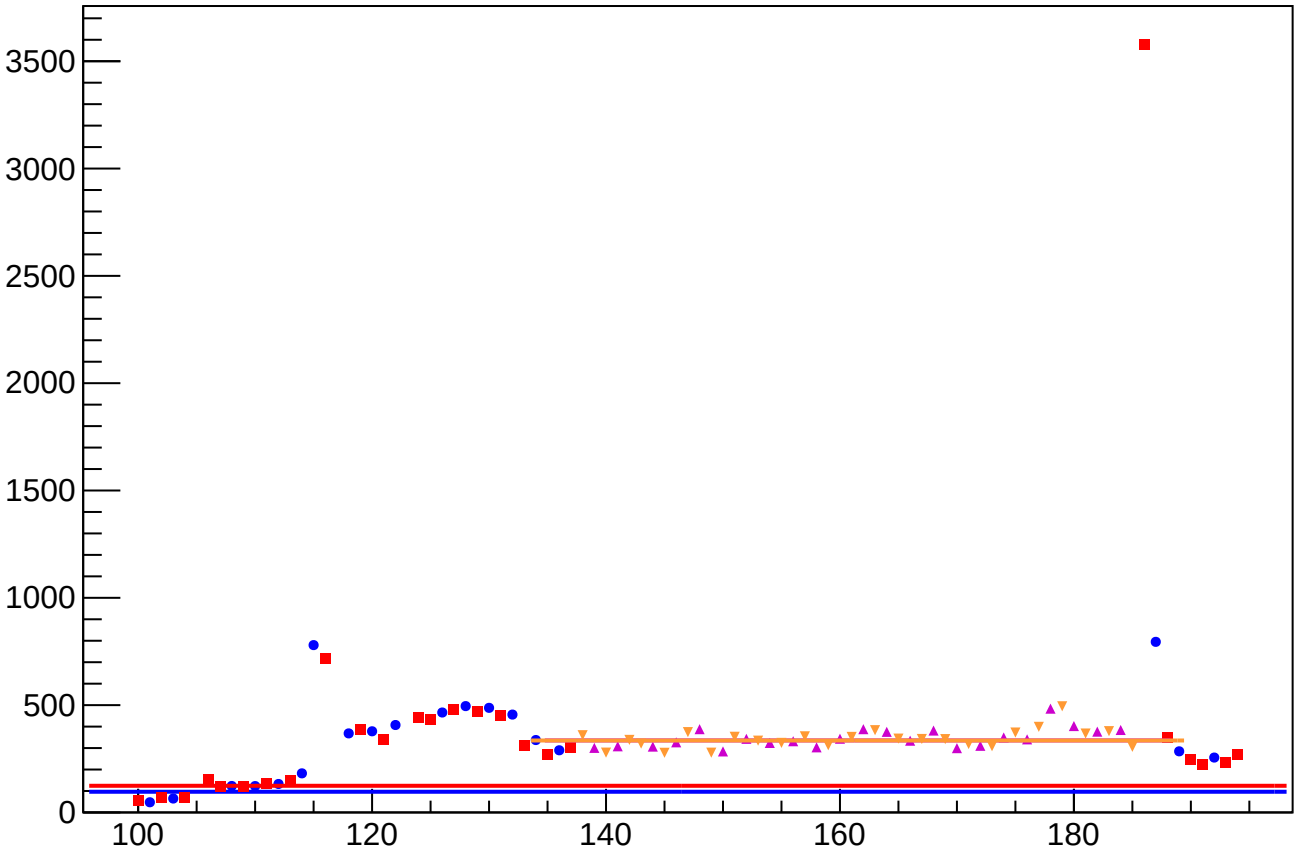
Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

Right: 25.491+/-32.915 χ^2/NDF: 42.2/43

In: 55.114+/-39.439 χ^2/NDF:47.9/41

Out: -64.289+/-40.563 χ^2/NDF:48.7/49

All: -2.911+/-28.277 χ^2/NDF: 101.1/91



Right In: 96.446+/-0.032 χ^2/NDF: 8130238.8/18

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 124.278+/-0.034 χ^2/NDF: 8182253.1/24

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

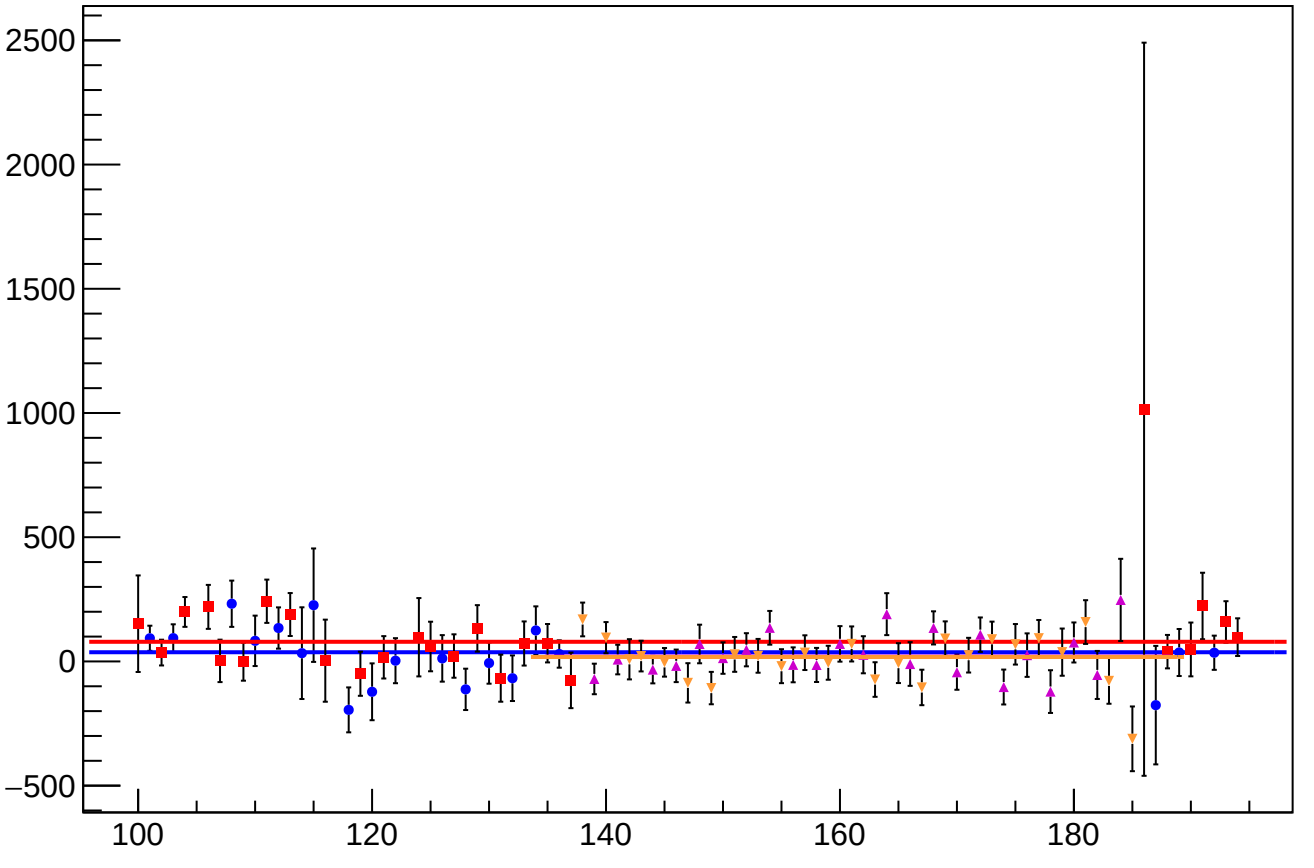
Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

Right: 109.698+/-0.023 χ^2/NDF: 16669168.1/43

In: 155.717+/-0.028 χ^2/NDF:22328732.8/41

Out: 182.697+/-0.029 χ^2/NDF:19580403.1/49

All: 168.828+/-0.020 χ^2/NDF: 42363980.8/91



Right In: 37.007+/-19.104 χ^2/NDF: 24.1/18

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 79.064+/-17.597 χ^2/NDF: 25.4/24

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

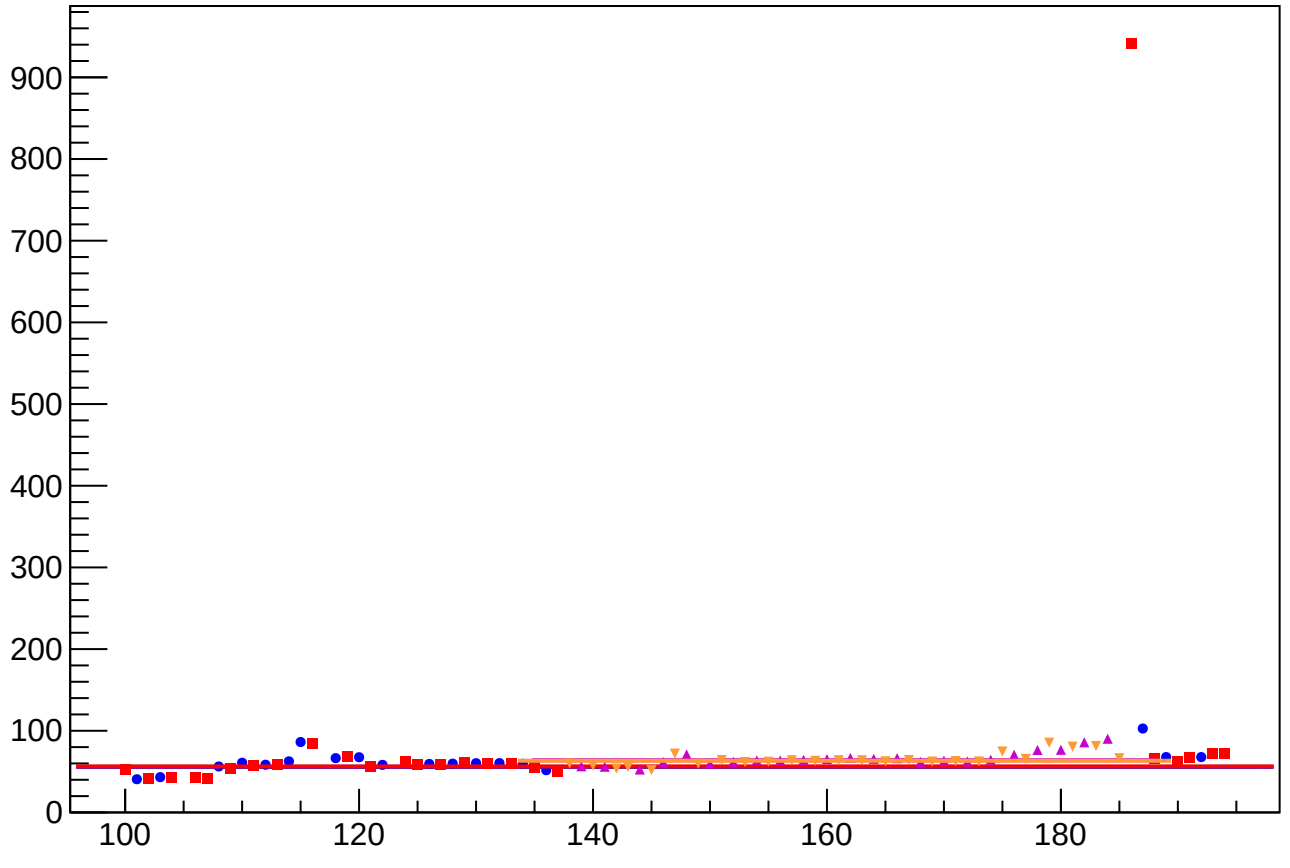
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 59.759+/-12.943 χ^2/NDF: 52.1/43

In: 26.287+/-11.817 χ^2/NDF:50.9/41

Out: 42.568+/-11.188 χ^2/NDF:64.1/49

All: 34.872+/-8.125 χ^2/NDF: 116.0/91



Right In: 55.861+/-0.014 χ^2/NDF: 580792.2/18

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 56.324+/-0.012 χ^2/NDF: 1432787.7/24

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

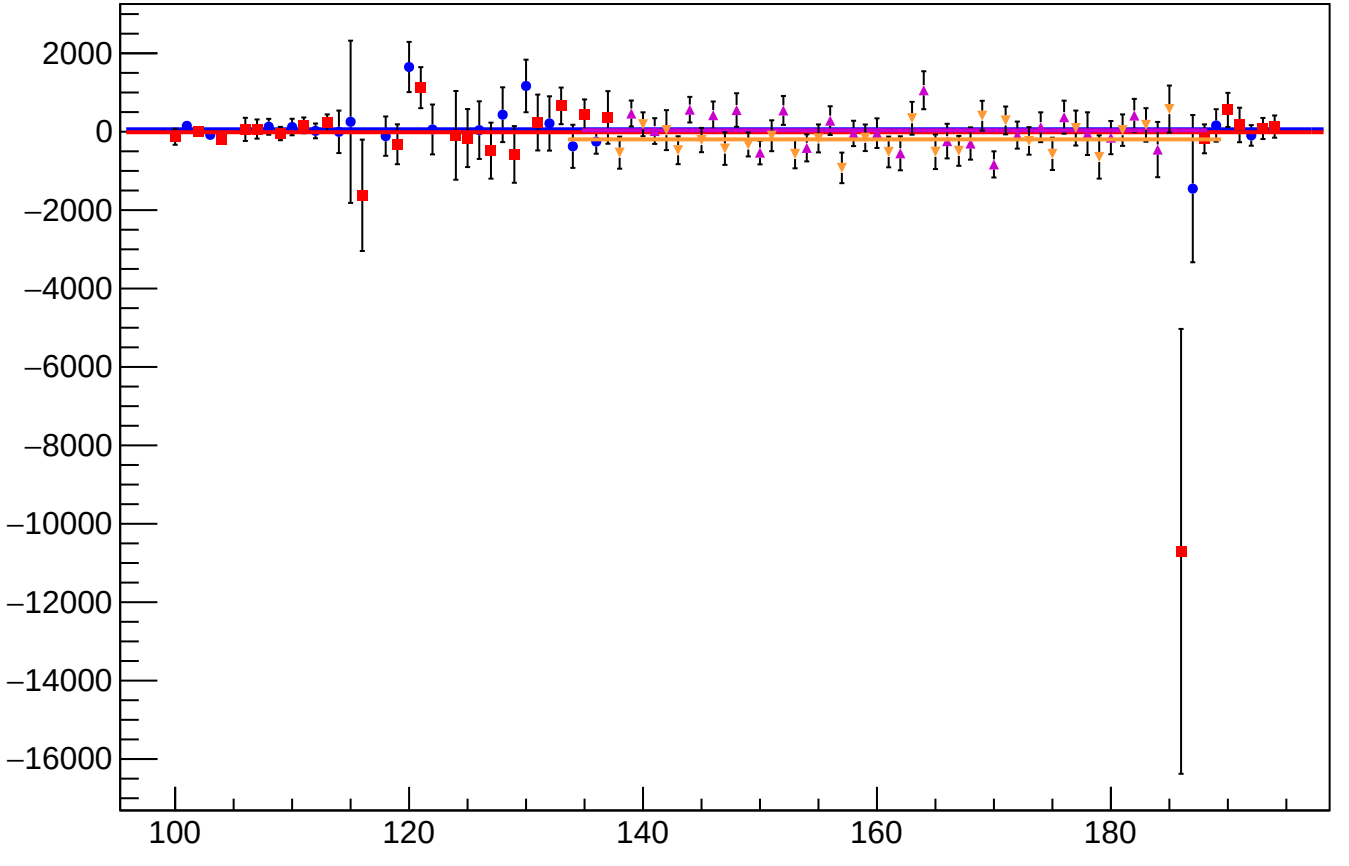
Right: 56.112+/-0.009 χ^2/NDF: 2014217.2/43

In: 60.835+/-0.008 χ^2/NDF:1245746.4/41

Out: 60.488+/-0.008 χ^2/NDF:2118114.5/49

All: 60.652+/-0.006 χ^2/NDF: 3364772.2/91

asym_sam_15_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 61.281+/-45.476 χ^2/NDF: 16.8/18

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -13.502+/-47.664 χ^2/NDF: 24.1/24

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

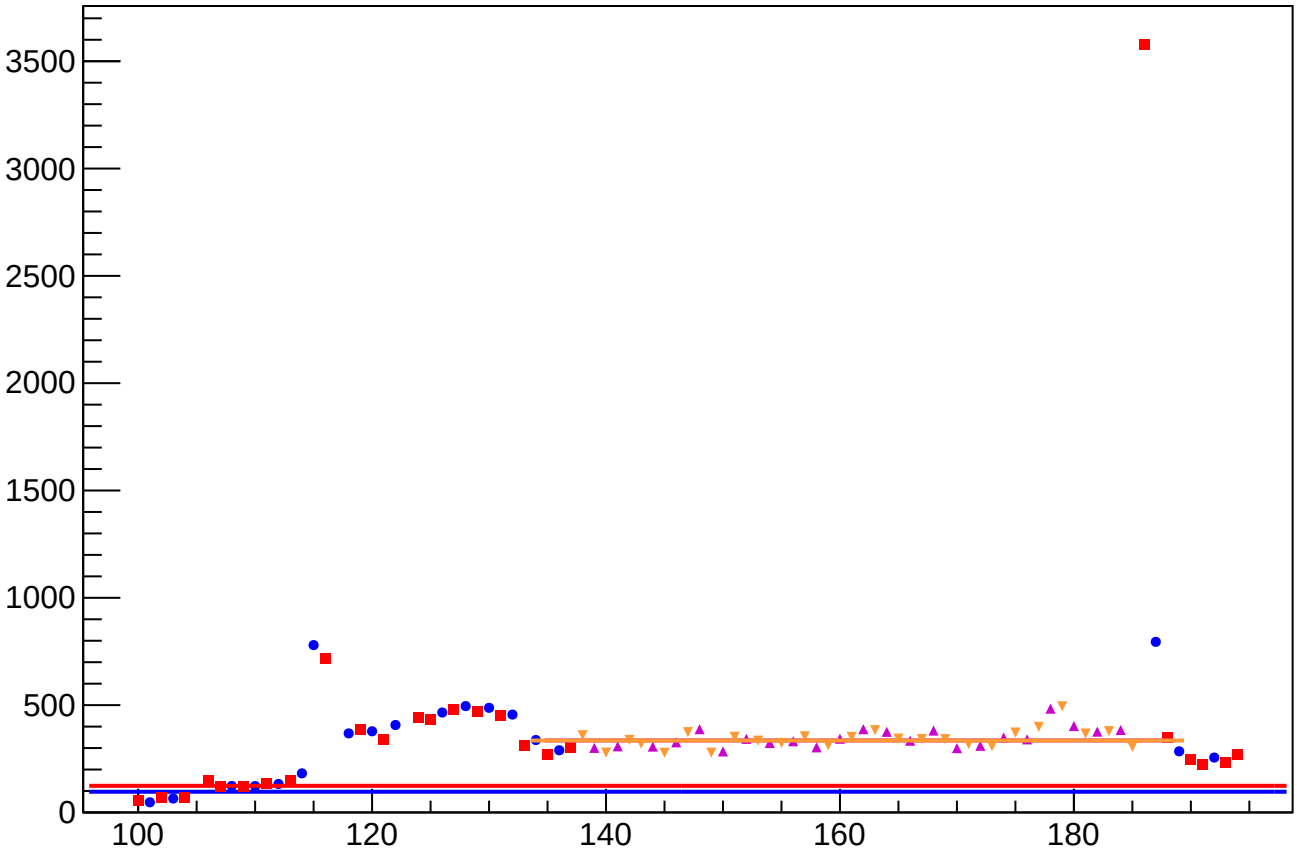
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 25.645+/-32.903 χ^2/NDF: 42.2/43

In: 55.116+/-39.439 χ^2/NDF:47.9/41

Out: -63.959+/-40.541 χ^2/NDF:48.8/49

All: -2.781+/-28.269 χ^2/NDF: 101.1/91



Right In: 96.444+/-0.032 χ^2/NDF: 8130360.3/18

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 124.093+/-0.034 χ^2/NDF: 8179100.6/24

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

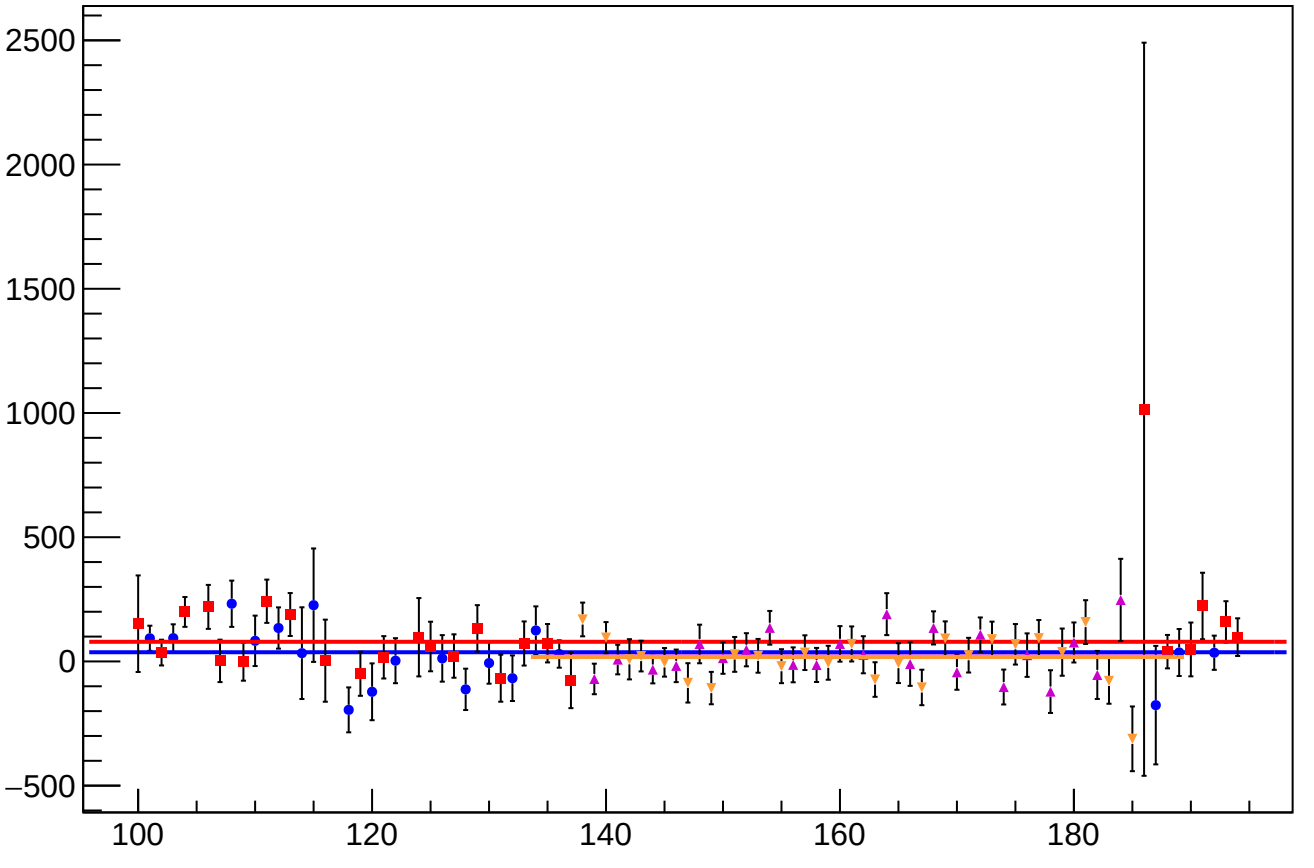
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 109.619+/-0.023 χ^2/NDF: 16661771.1/43

In: 155.713+/-0.028 χ^2/NDF:22329307.7/41

Out: 182.499+/-0.029 χ^2/NDF:19600861.6/49

All: 168.737+/-0.020 χ^2/NDF: 42378741.2/91



Right In: 37.007+/-19.104 χ^2/NDF: 24.1/18

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 79.064+/-17.597 χ^2/NDF: 25.4/24

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

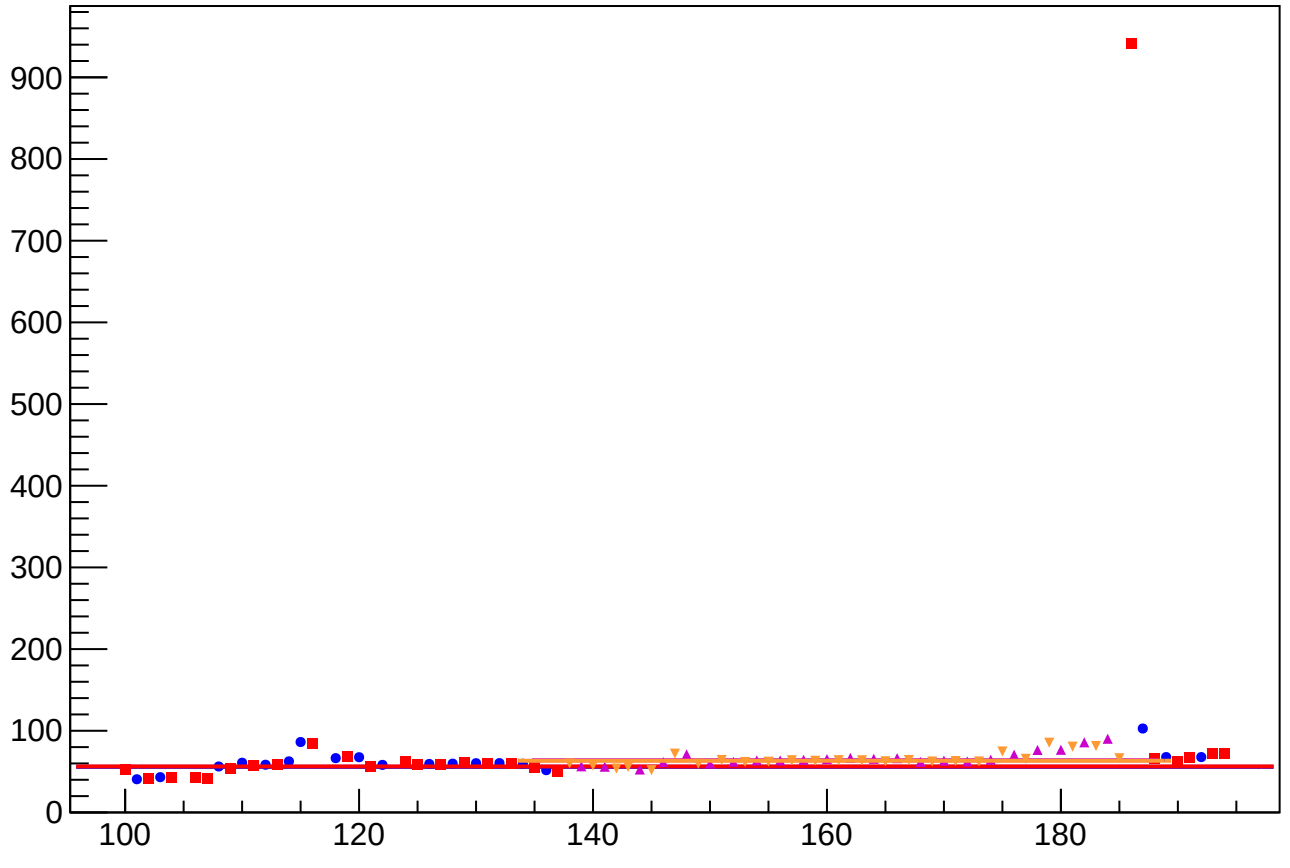
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 59.759+/-12.943 χ^2/NDF: 52.1/43

In: 26.287+/-11.817 χ^2/NDF:50.9/41

Out: 42.568+/-11.188 χ^2/NDF:64.1/49

All: 34.872+/-8.125 χ^2/NDF: 116.0/91



Right In: 55.861+/-0.014 χ^2/NDF: 580792.2/18

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 56.324+/-0.012 χ^2/NDF: 1432787.7/24

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

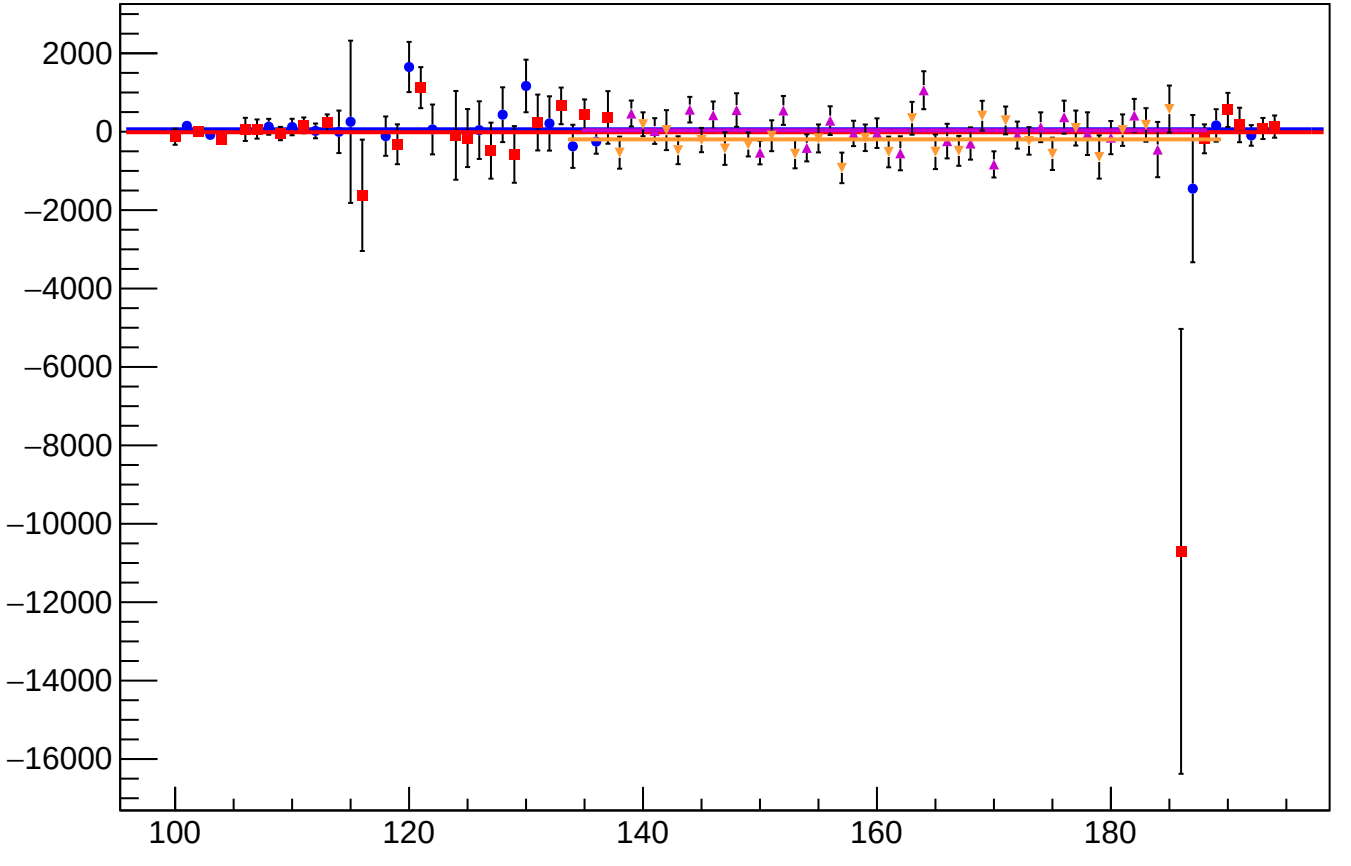
Right: 56.112+/-0.009 χ^2/NDF: 2014217.2/43

In: 60.835+/-0.008 χ^2/NDF:1245746.4/41

Out: 60.488+/-0.008 χ^2/NDF:2118114.5/49

All: 60.652+/-0.006 χ^2/NDF: 3364772.2/91

asym_sam_15_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 61.281+/-45.476 χ^2/NDF: 16.8/18

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -13.502+/-47.664 χ^2/NDF: 24.1/24

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

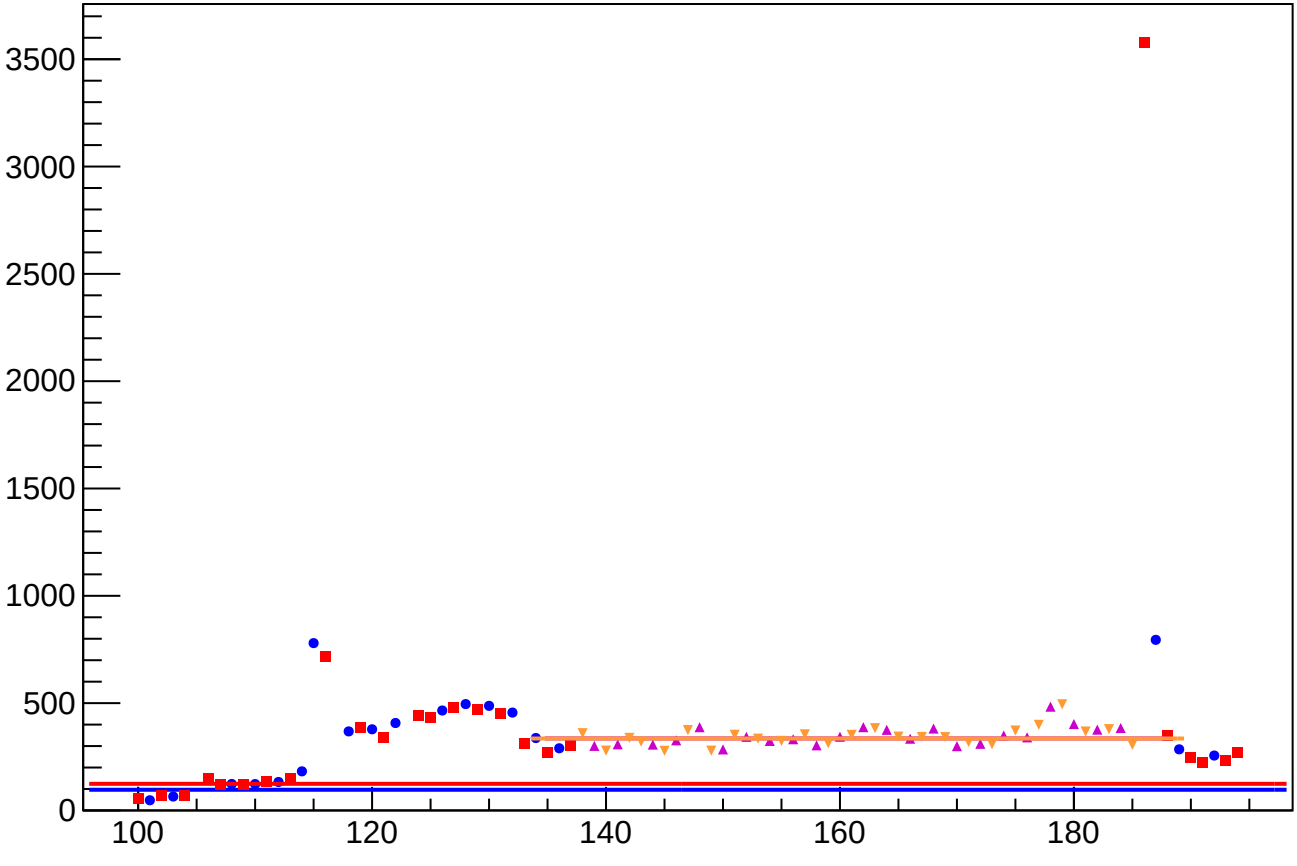
Right: 25.645+/-32.903 χ^2/NDF: 42.2/43

In: 55.116+/-39.439 χ^2/NDF:47.9/41

Out: -63.959+/-40.541 χ^2/NDF:48.8/49

All: -2.781+/-28.269 χ^2/NDF: 101.1/91

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 96.444+/-0.032 χ^2/NDF: 8130360.3/18

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 124.093+/-0.034 χ^2/NDF: 8179100.6/24

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

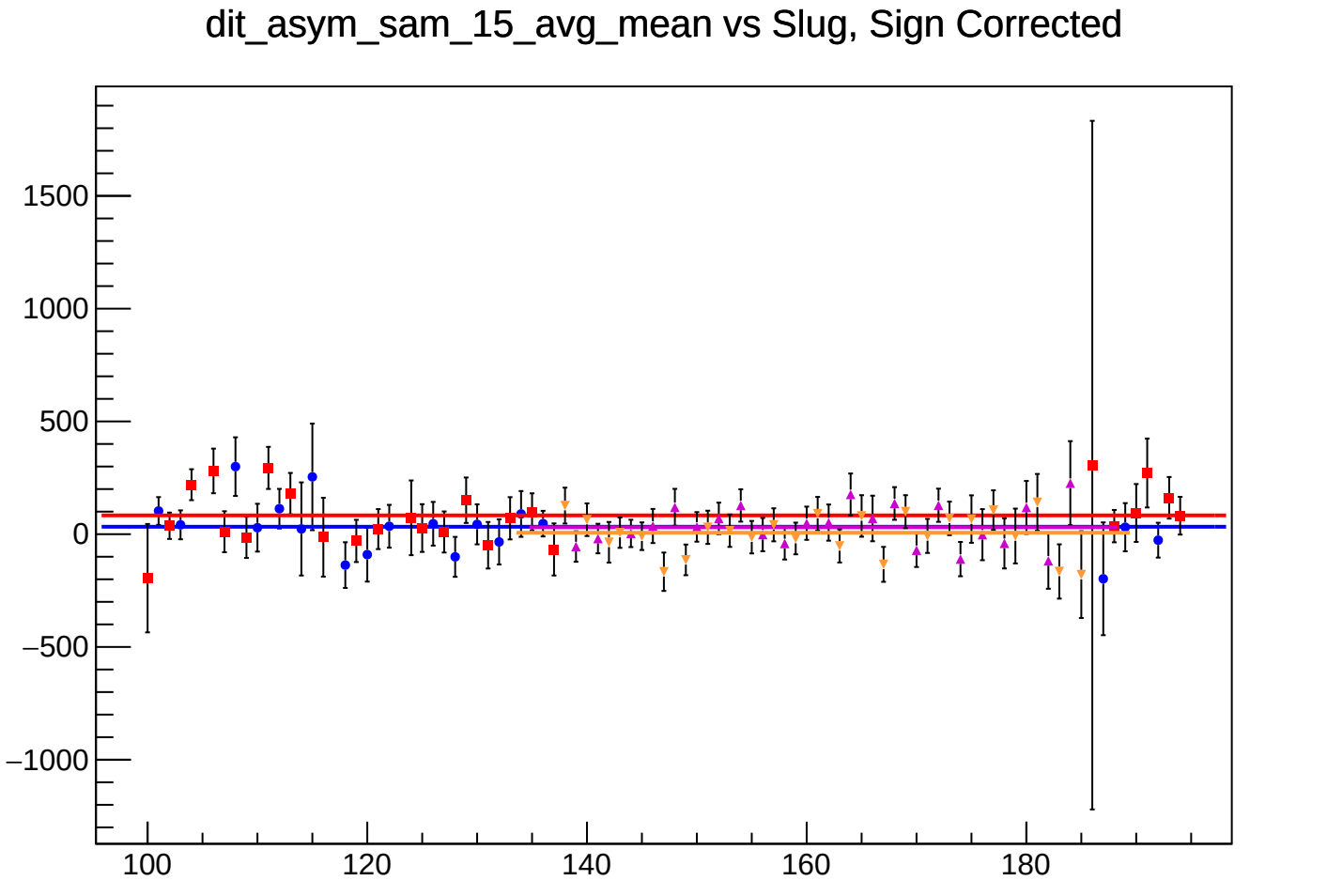
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 109.619+/-0.023 χ^2/NDF: 16661771.1/43

In: 155.713+/-0.028 χ^2/NDF:22329307.7/41

Out: 182.499+/-0.029 χ^2/NDF:19600861.6/49

All: 168.737+/-0.020 χ^2/NDF: 42378741.2/91



Right In: 33.009+/-21.111 χ^2/NDF: 15.7/18

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 83.337+/-19.222 χ^2/NDF: 27.5/24

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

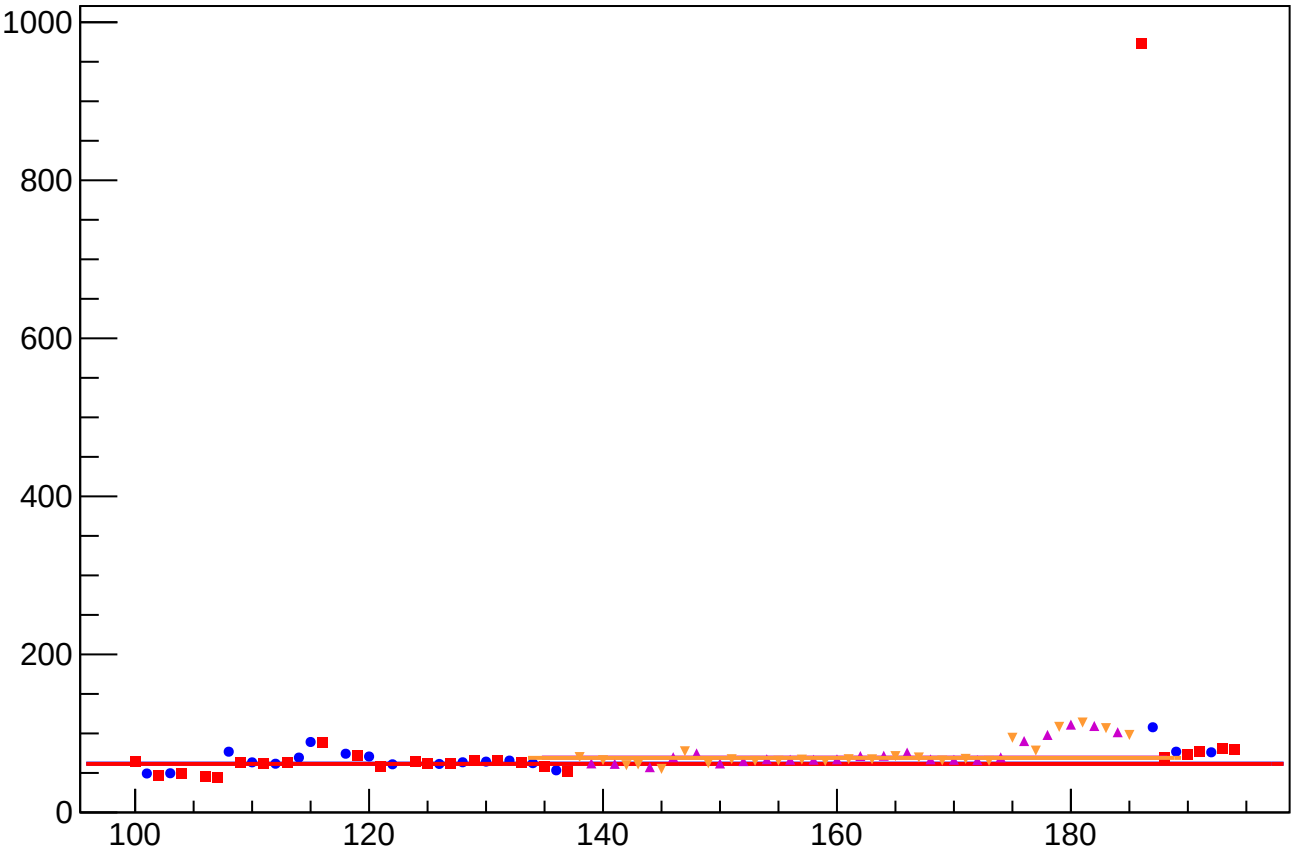
Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

Right: 60.526+/-14.213 χ^2/NDF: 46.3/43

In: 31.552+/-13.002 χ^2/NDF:38.1/41

Out: 37.878+/-12.287 χ^2/NDF:62.1/49

All: 34.894+/-8.930 χ^2/NDF: 100.3/91



Right In: 61.772+/-0.015 χ^2/NDF: 480251.8/18

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 61.447+/-0.014 χ^2/NDF: 1376364.6/24

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

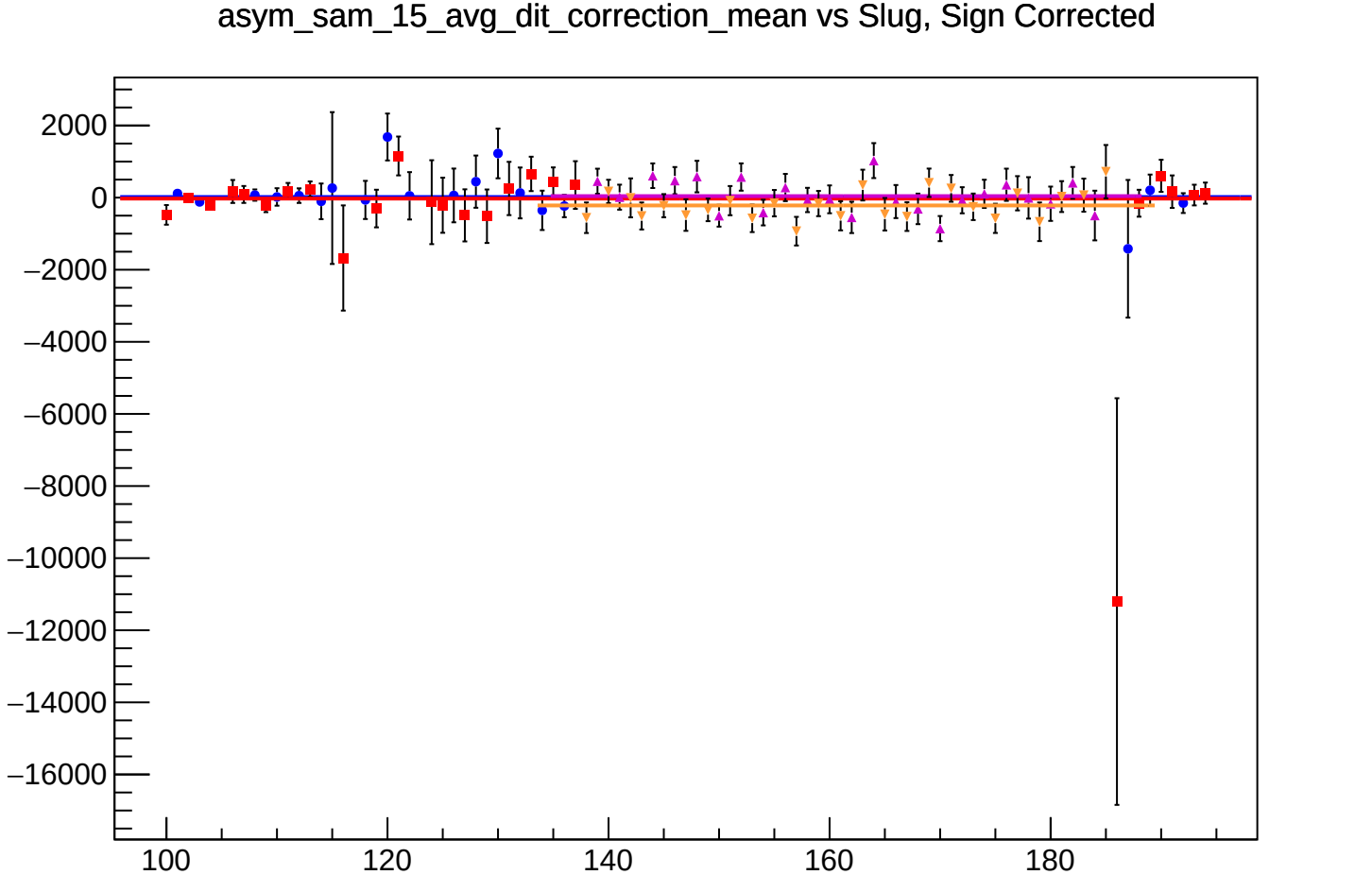
Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

Right: 61.594+/-0.010 χ^2/NDF: 1856876.0/43

In: 66.529+/-0.009 χ^2/NDF:1568487.2/41

Out: 65.960+/-0.009 χ^2/NDF:2636829.6/49

All: 66.228+/-0.006 χ^2/NDF: 4207340.5/91



Right In: 16.170+/-52.193 χ^2/NDF: 15.8/18

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: -26.846+/-50.370 χ^2/NDF: 28.2/24

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

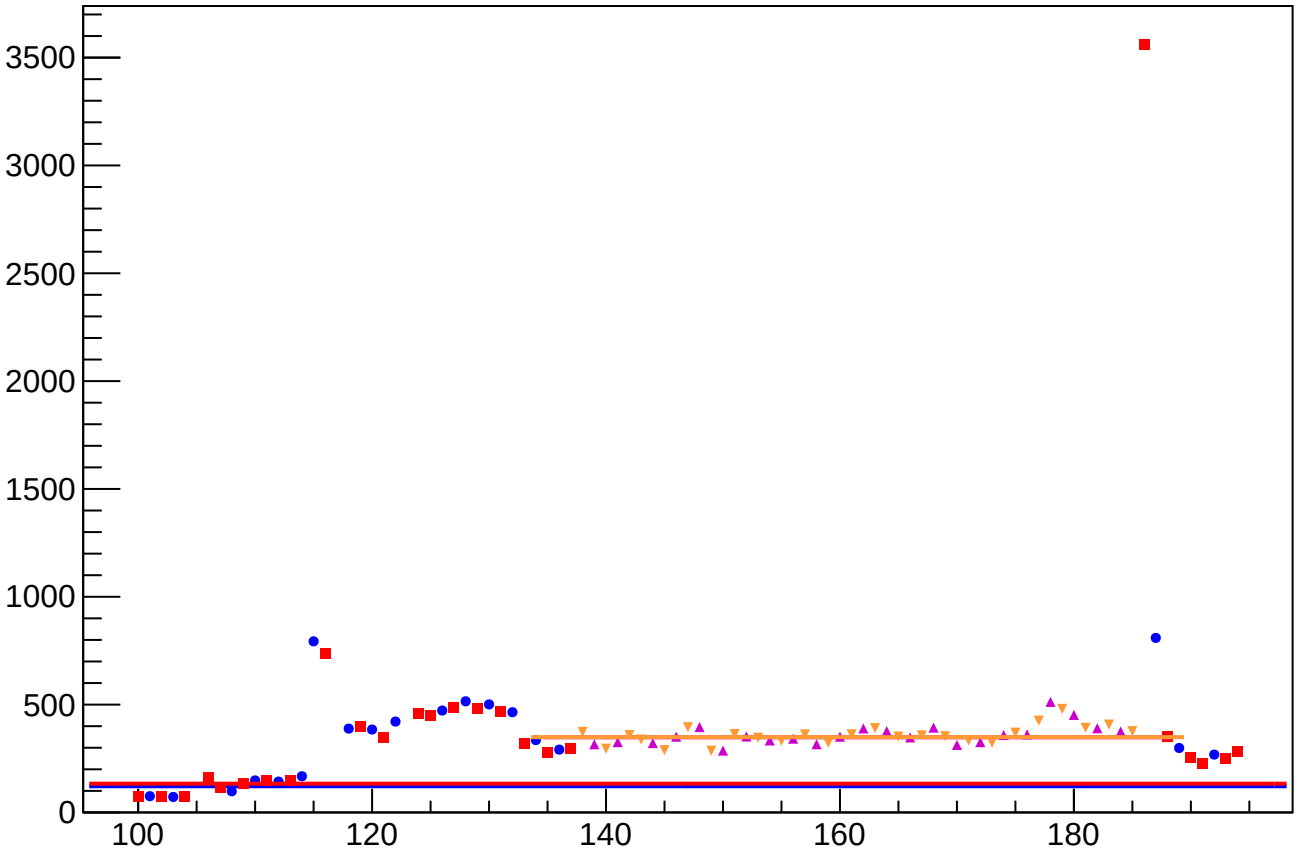
Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

Right: -6.103+/-36.244 χ^2/NDF: 44.3/43

In: 23.444+/-44.070 χ^2/NDF:45.8/41

Out: -80.798+/-42.645 χ^2/NDF:51.6/49

All: -30.390+/-30.646 χ^2/NDF: 100.3/91



Right In: 121.495+/-0.037 χ^2/NDF: 6818262.3/18

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 133.455+/-0.036 χ^2/NDF: 7848884.4/24

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

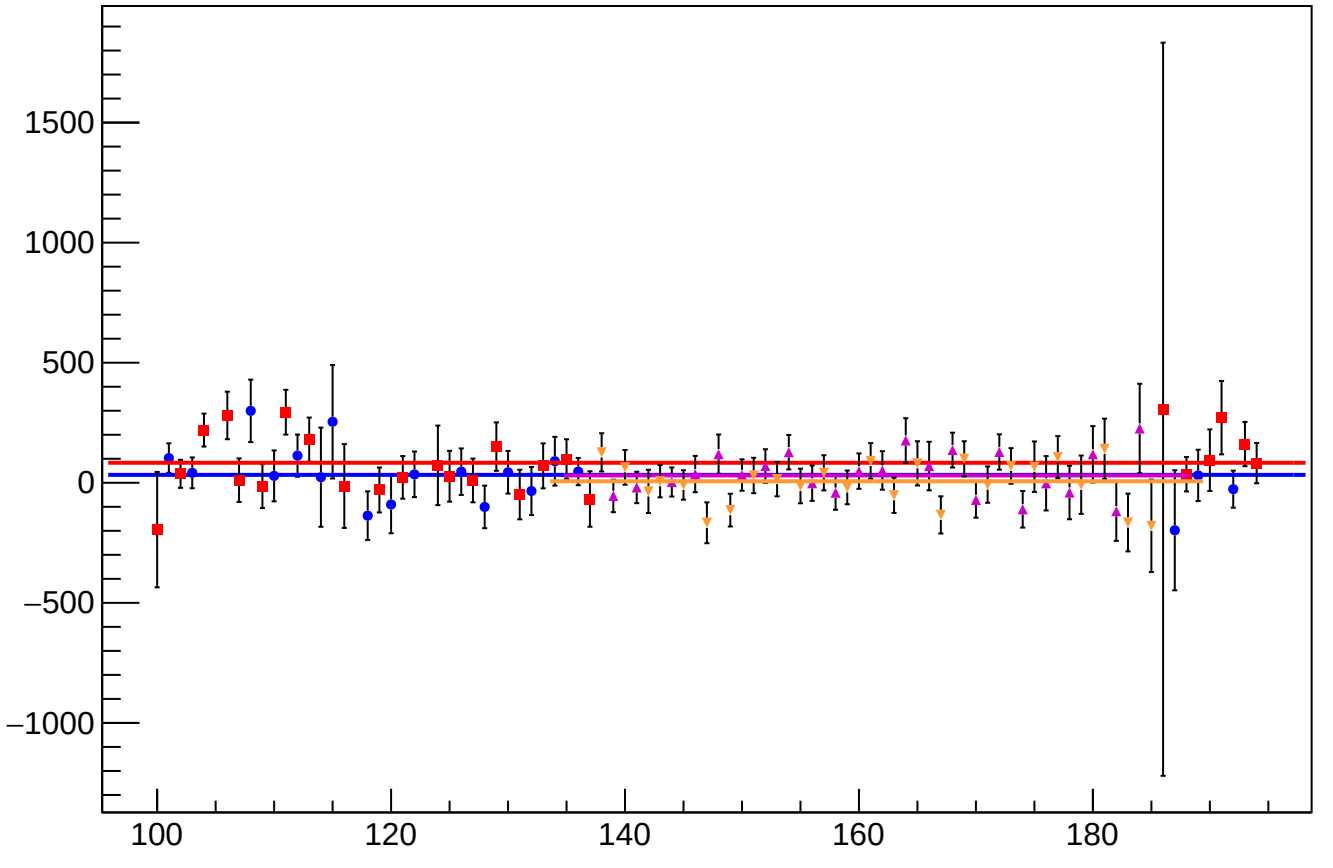
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 127.688+/-0.026 χ^2/NDF: 14721516.4/43

In: 186.673+/-0.031 χ^2/NDF:18209582.3/41

Out: 194.549+/-0.030 χ^2/NDF:18762251.3/49

All: 190.741+/-0.022 χ^2/NDF: 37004820.7/91



Right In: 33.009+/-21.111 χ^2/NDF: 15.7/18

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 83.337+/-19.222 χ^2/NDF: 27.5/24

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

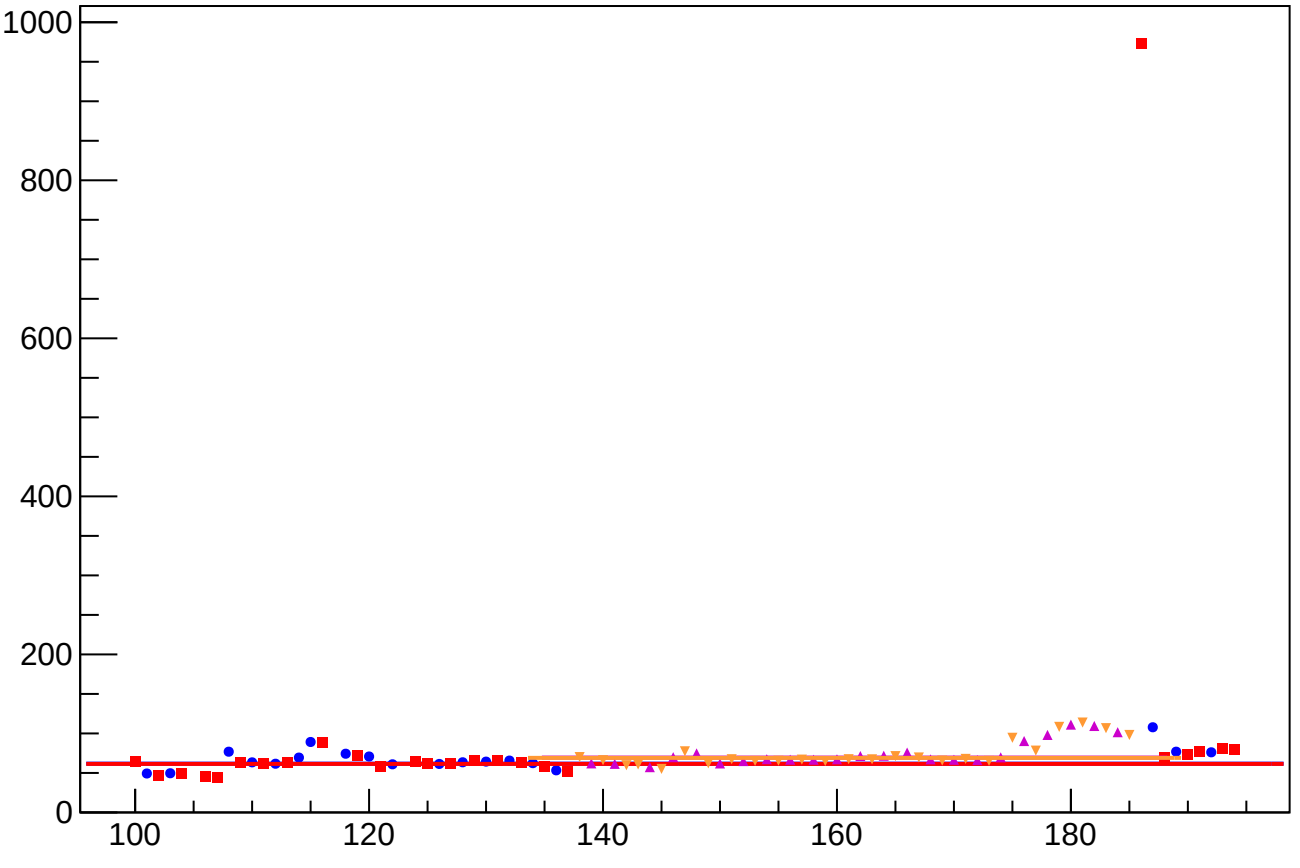
Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

Right: 60.526+/-14.213 χ^2/NDF: 46.3/43

In: 31.552+/-13.002 χ^2/NDF:38.1/41

Out: 37.878+/-12.287 χ^2/NDF:62.1/49

All: 34.894+/-8.930 χ^2/NDF: 100.3/91



Right In: 61.772+/-0.015 χ^2/NDF: 480254.8/18

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 61.447+/-0.014 χ^2/NDF: 1376362.9/24

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

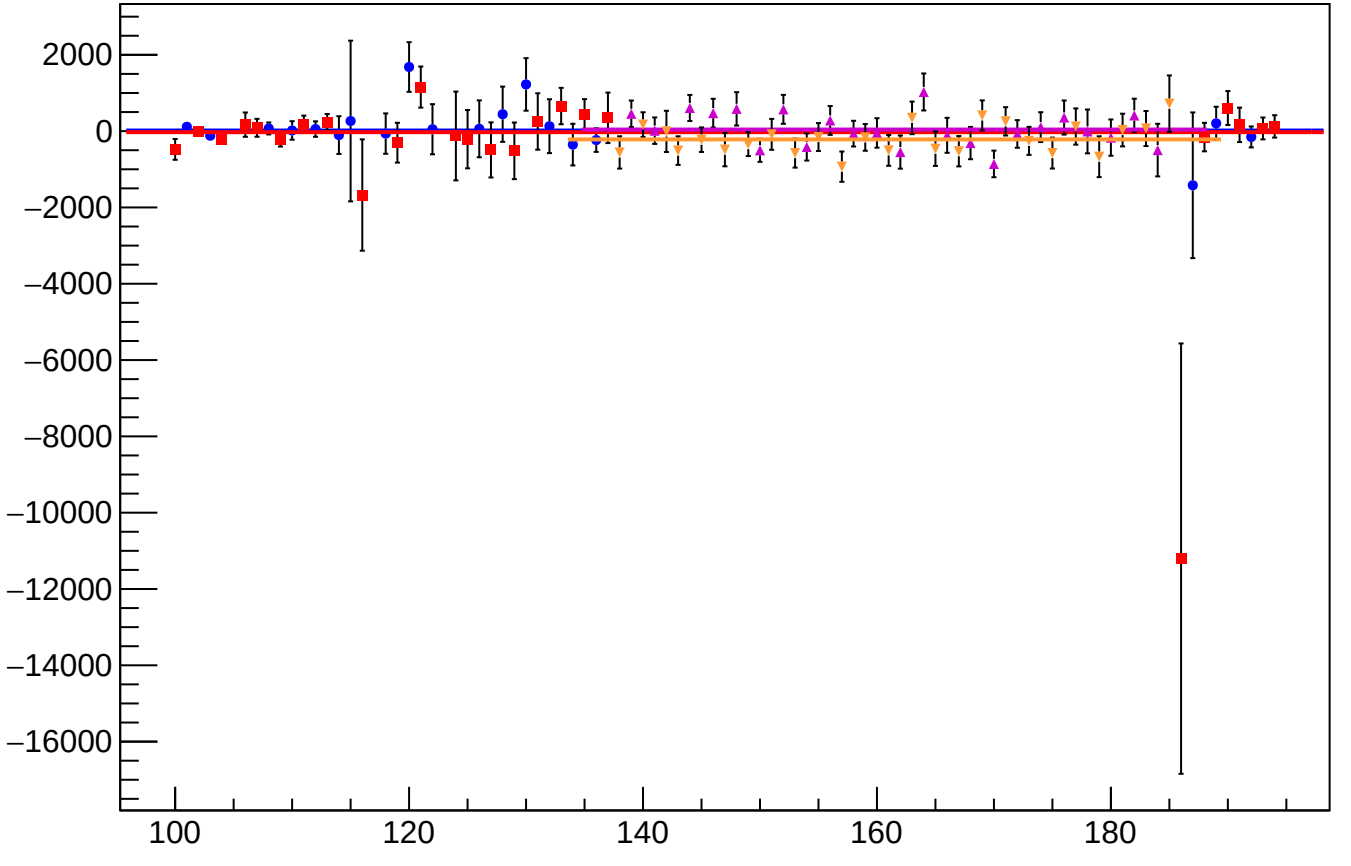
Right: 61.594+/-0.010 χ^2/NDF: 1856877.3/43

In: 66.529+/-0.009 χ^2/NDF:1568483.3/41

Out: 65.960+/-0.009 χ^2/NDF:2636817.7/49

All: 66.229+/-0.006 χ^2/NDF: 4207324.9/91

asym_sam_15_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 16.170+/-52.193 χ^2/NDF: 15.8/18

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: -26.846+/-50.370 χ^2/NDF: 28.2/24

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

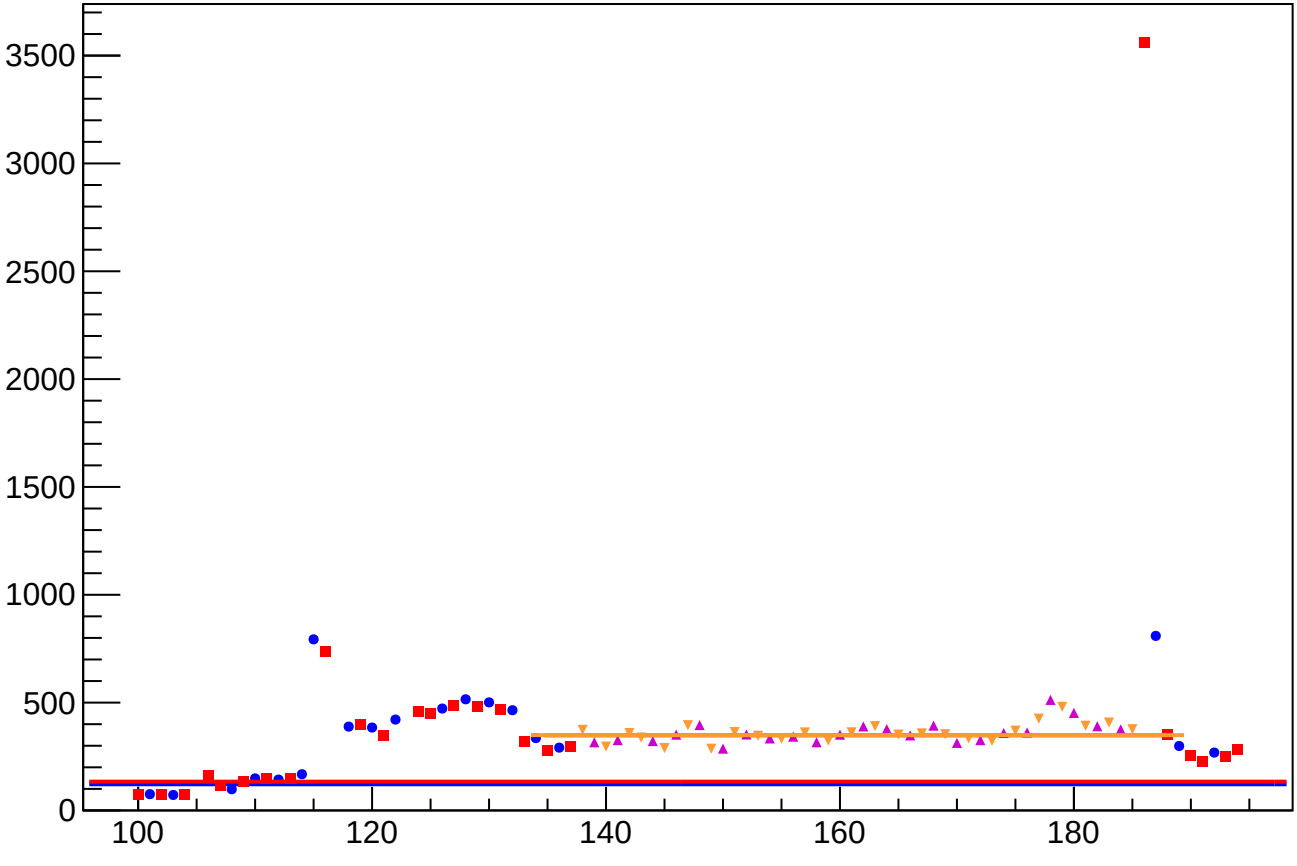
Right: -6.103+/-36.244 χ^2/NDF: 44.3/43

In: 23.444+/-44.070 χ^2/NDF:45.8/41

Out: -80.798+/-42.645 χ^2/NDF:51.6/49

All: -30.390+/-30.646 χ^2/NDF: 100.3/91

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 121.495+/-0.037 χ^2/NDF: 6818267.6/18

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 133.454+/-0.036 χ^2/NDF: 7848906.6/24

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

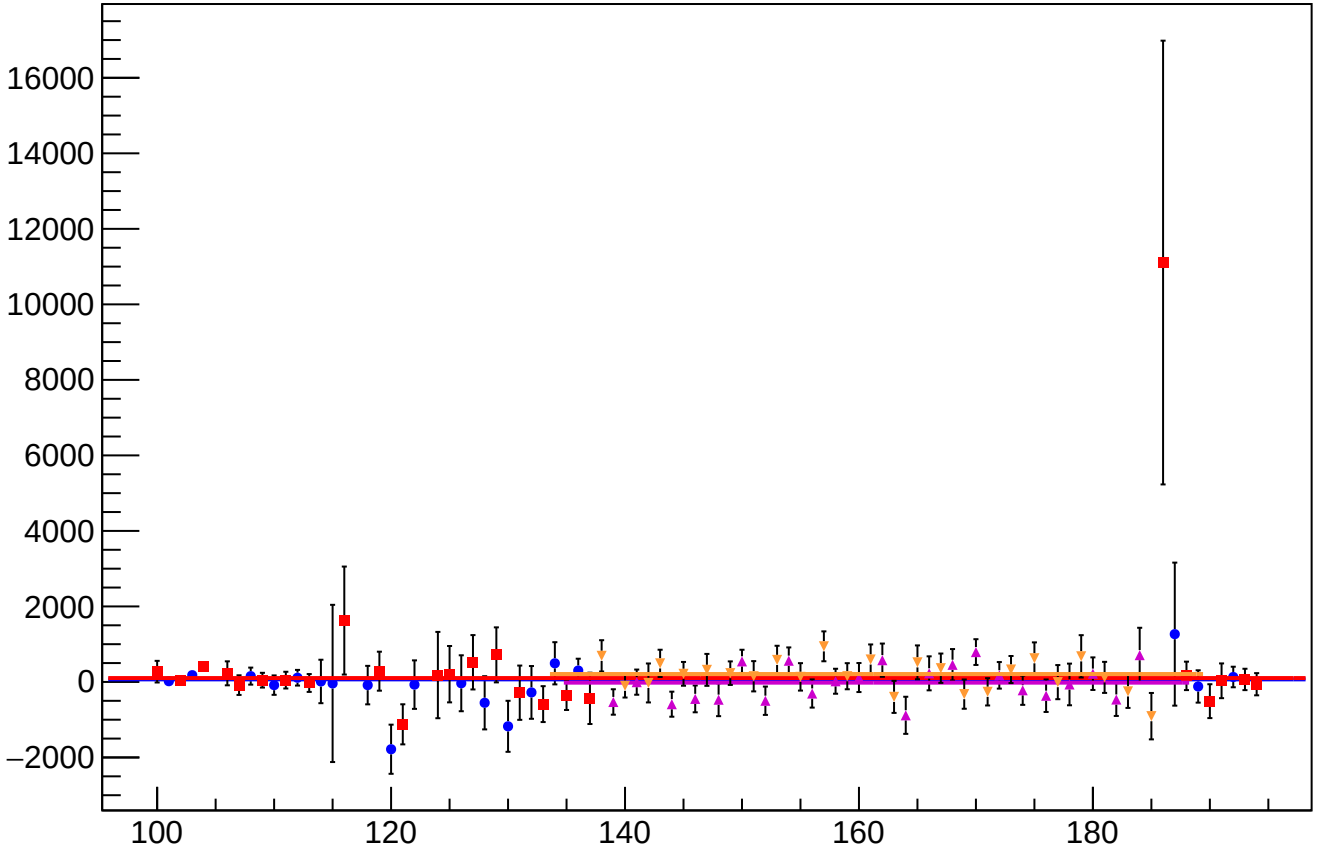
Right: 127.687+/-0.026 χ^2/NDF: 14721542.8/43

In: 186.673+/-0.031 χ^2/NDF:18209648.4/41

Out: 194.549+/-0.030 χ^2/NDF:18762347.0/49

All: 190.740+/-0.022 χ^2/NDF: 37004981.4/91

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 68.175+/-57.274 χ^2/NDF: 16.4/18

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: 102.834+/-54.335 χ^2/NDF: 27.0/24

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

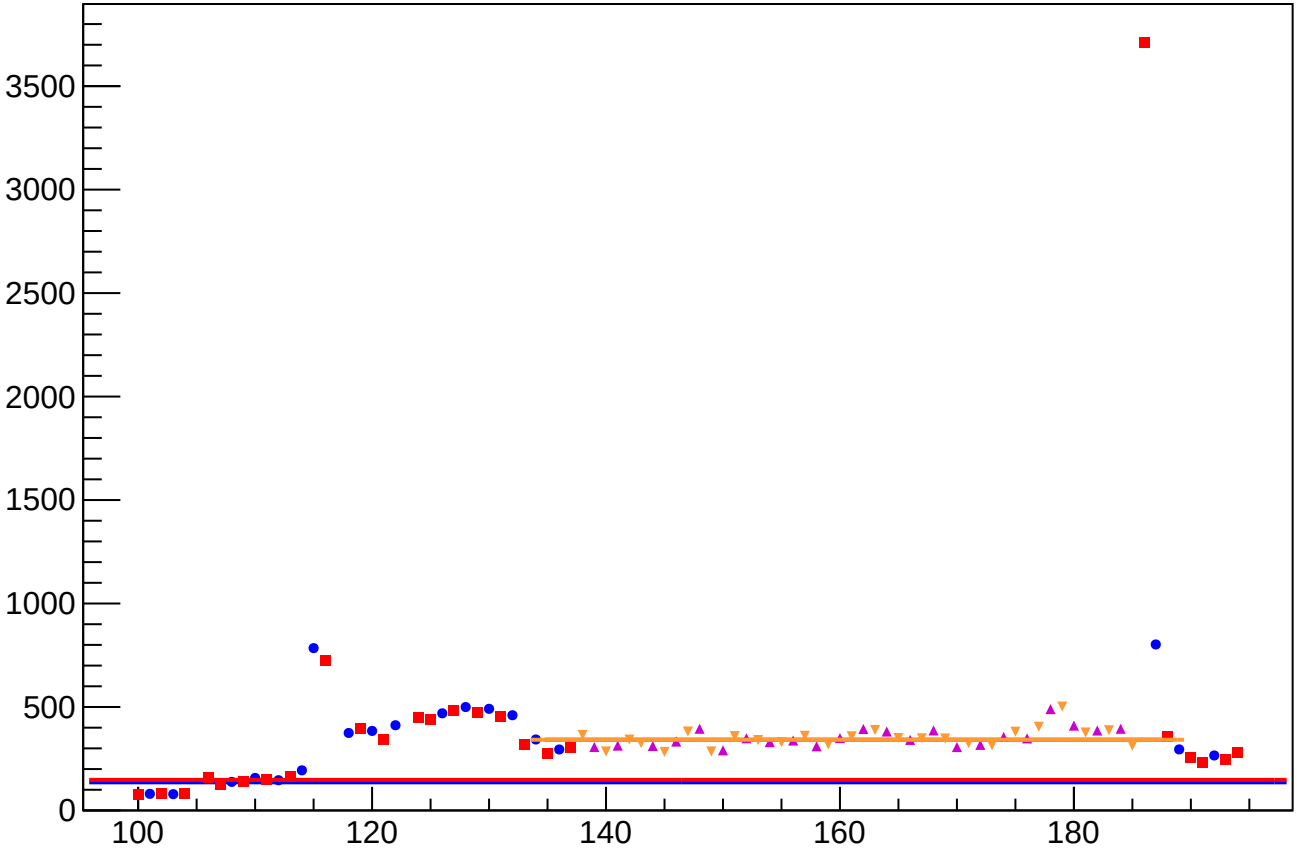
Right: 86.416+/-39.419 χ^2/NDF: 43.6/43

In: 39.061+/-46.706 χ^2/NDF:49.2/41

Out: 137.481+/-44.679 χ^2/NDF:49.6/49

All: 90.453+/-32.286 χ^2/NDF: 101.2/91

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 135.961+/-0.040 χ^2/NDF: 6251750.2/18

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

Right Out: 147.745+/-0.038 χ^2/NDF: 7034626.3/24

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

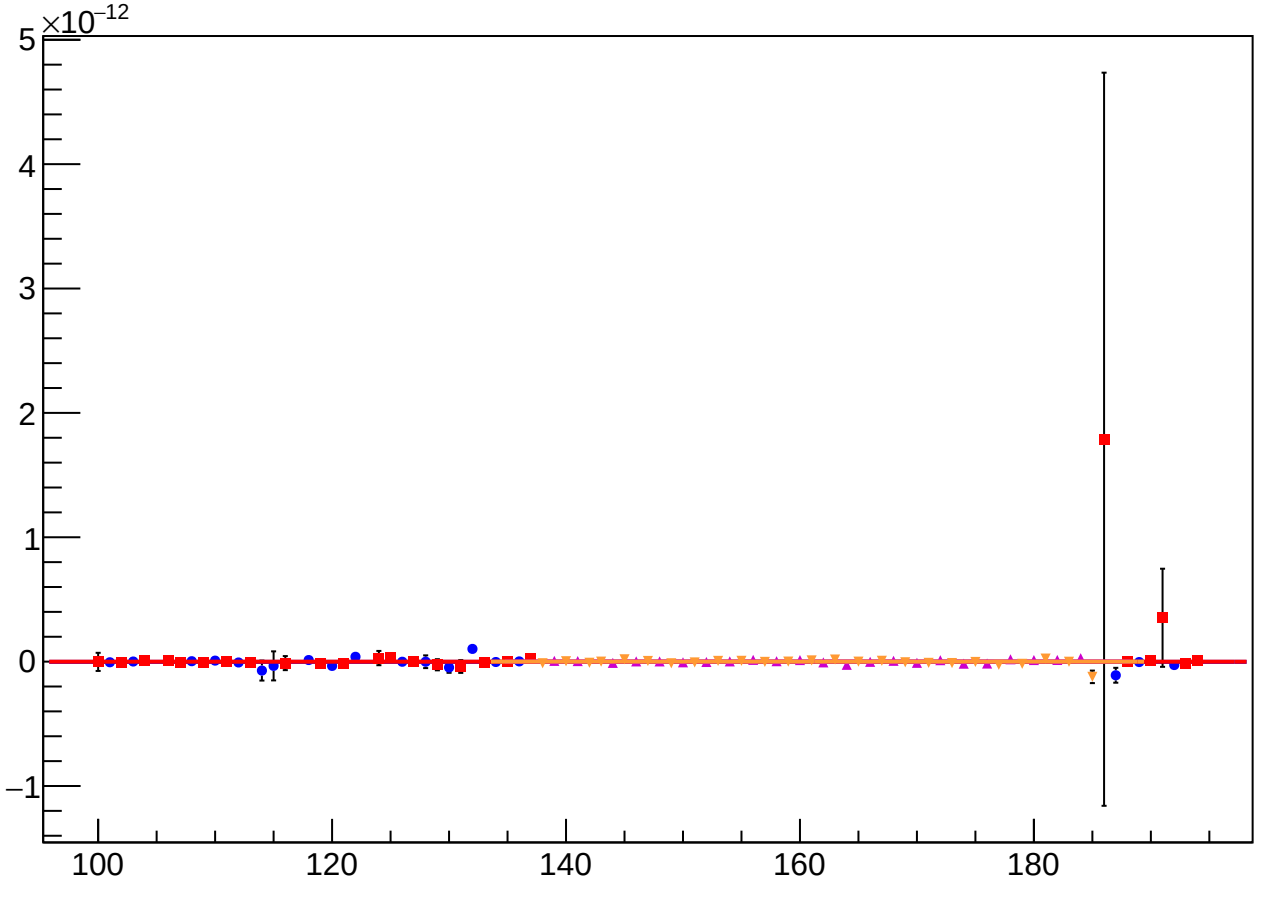
Right: 142.163+/-0.028 χ^2/NDF: 13330930.8/43

In: 204.960+/-0.033 χ^2/NDF:15402605.6/41

Out: 210.519+/-0.032 χ^2/NDF:15832126.0/49

All: 207.863+/-0.023 χ^2/NDF: 31249527.5/91

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 12.1/24

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

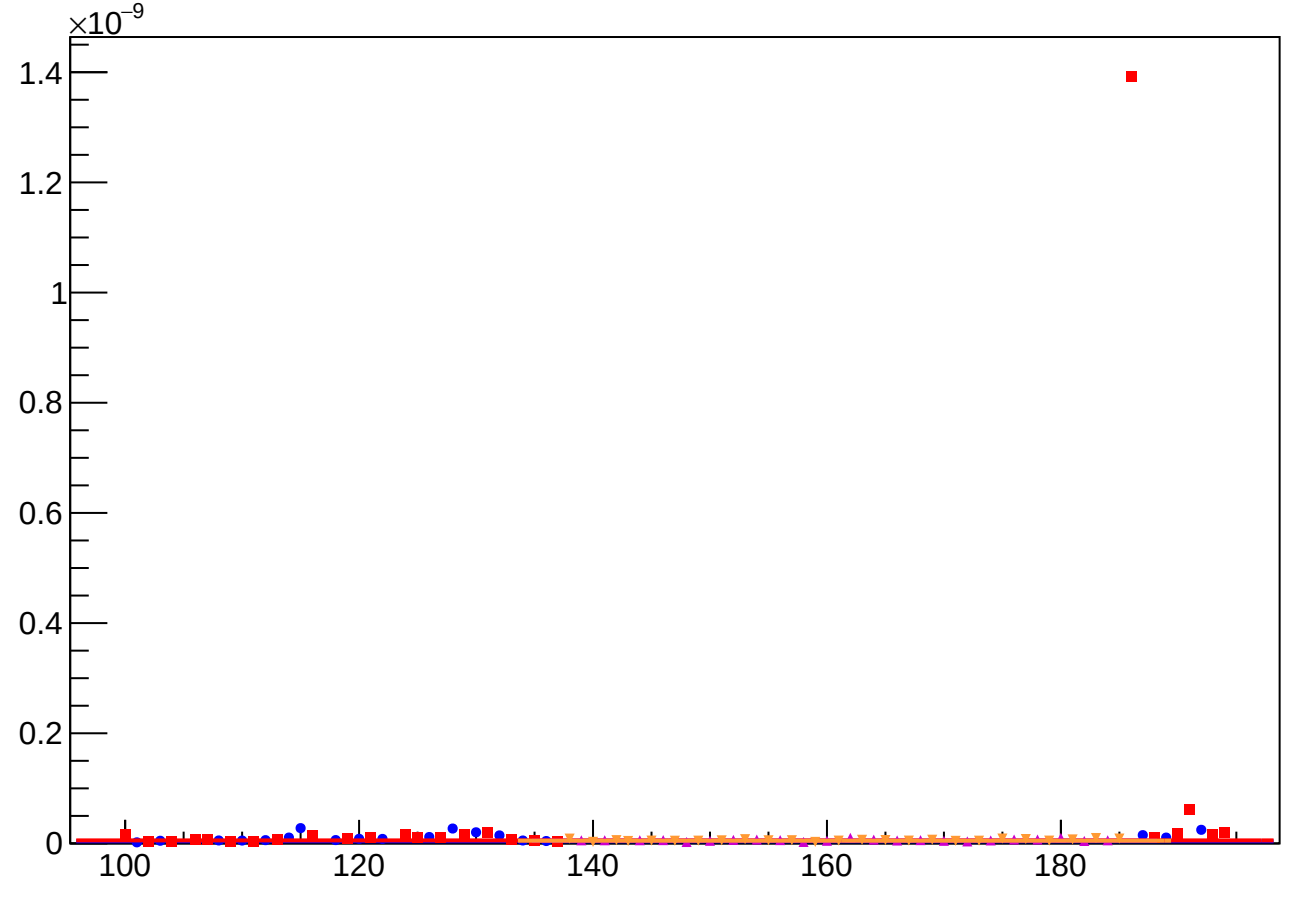
Left: 0.000+/-0.000 χ^2/NDF: 49.1/47

Right: -0.000+/-0.000 χ^2/NDF: 33.8/43

In: -0.000+/-0.000 χ^2/NDF:42.9/41

Out: 0.000+/-0.000 χ^2/NDF:40.7/49

All: -0.000+/-0.000 χ^2/NDF: 83.7/91



Right In: 0.000+/-0.000 χ^2/NDF: 3104709.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2951039.5/24

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

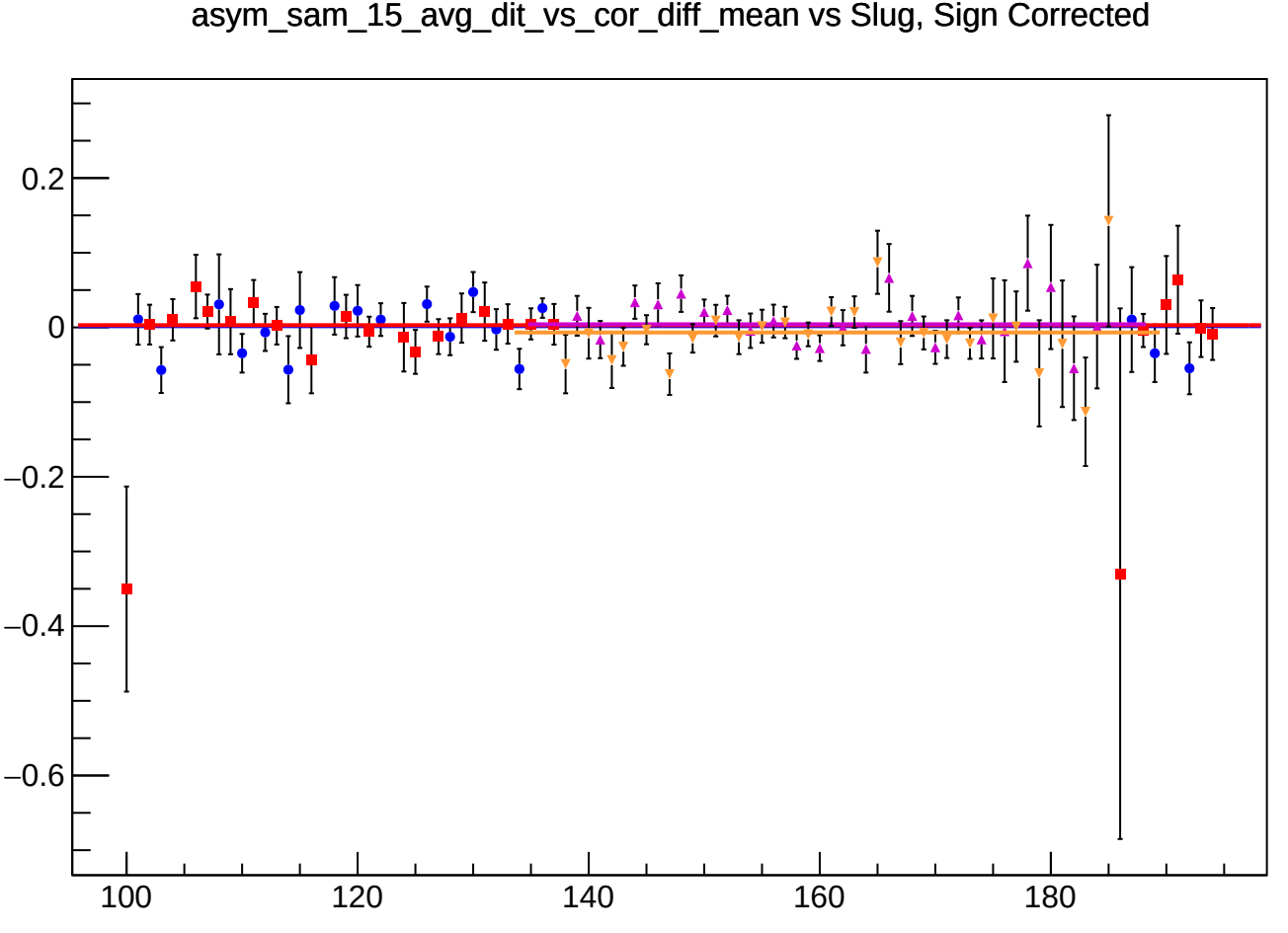
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 6395340.1/43

In: 0.000+/-0.000 χ^2/NDF:4550994.7/41

Out: 0.000+/-0.000 χ^2/NDF:4283684.5/49

All: 0.000+/-0.000 χ^2/NDF: 8986855.0/91



Right In: 0.002+/-0.006 χ^2/NDF: 25.2/18

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 15.6/24

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

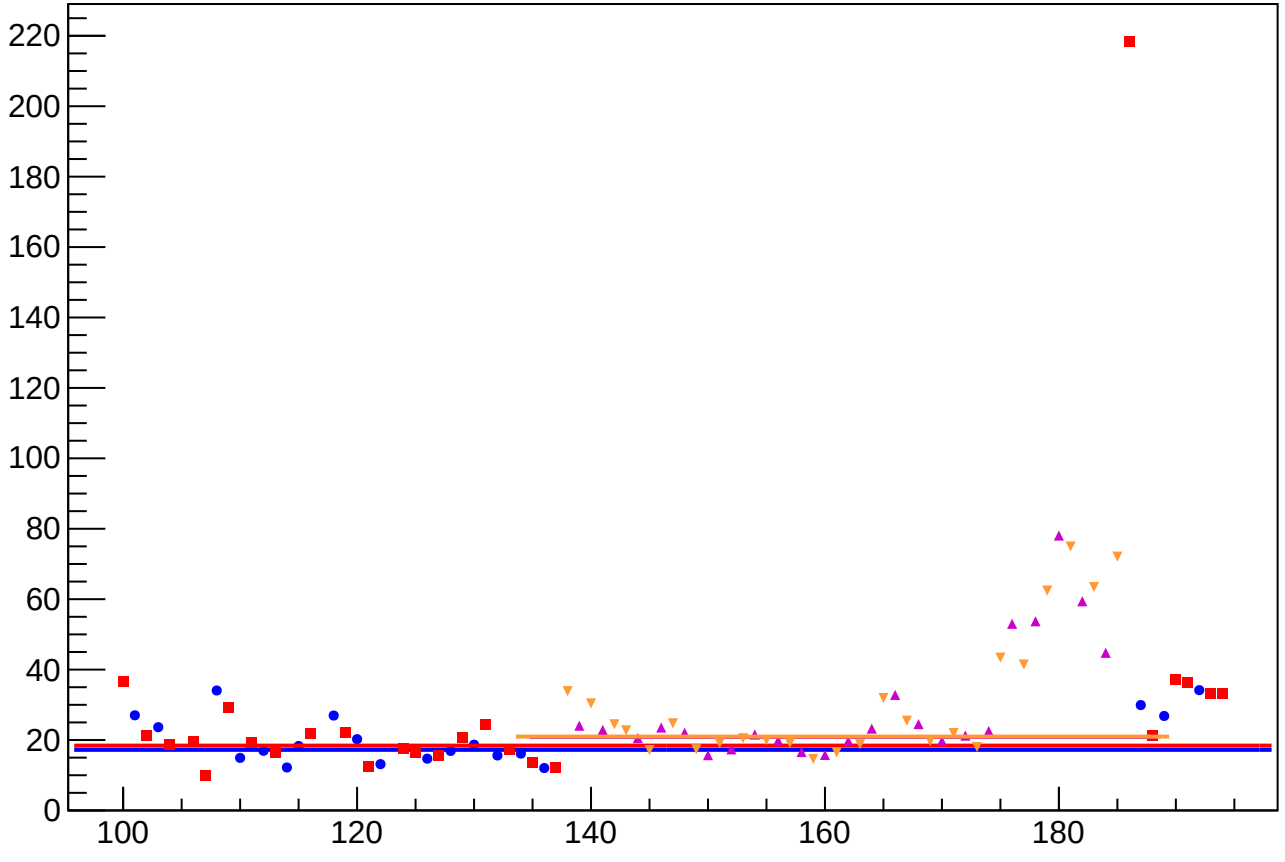
Right: 0.002+/-0.004 χ^2/NDF: 40.8/43

In: 0.003+/-0.004 χ^2/NDF:48.5/41

Out: -0.003+/-0.004 χ^2/NDF:38.9/49

All: 0.000+/-0.003 χ^2/NDF: 88.4/91

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.213+/-0.004 χ^2/NDF: 1656735.8/18

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 18.413+/-0.004 χ^2/NDF: 2608713.2/24

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

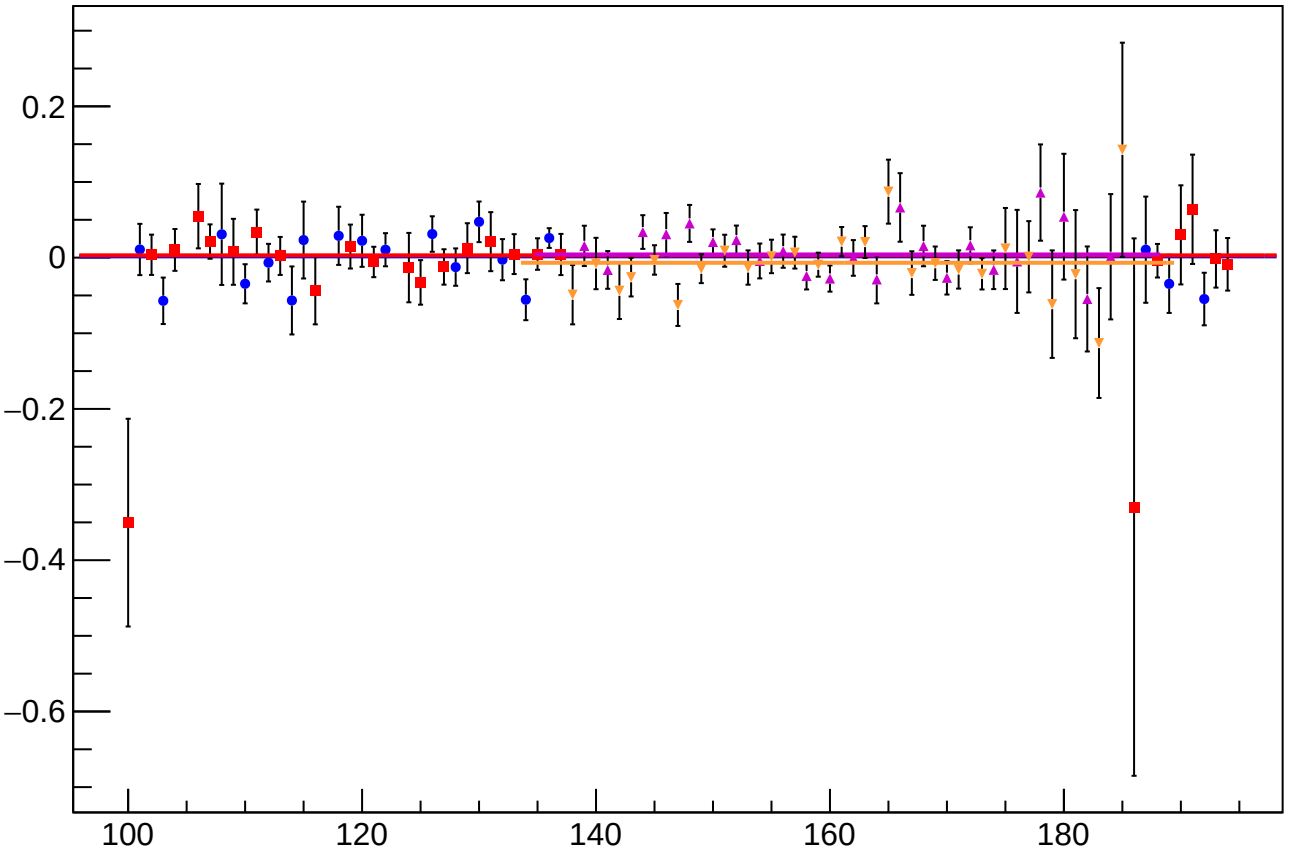
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 17.835+/-0.003 χ^2/NDF: 4302596.1/43

In: 19.366+/-0.003 χ^2/NDF:5583567.9/41

Out: 19.902+/-0.003 χ^2/NDF:7280295.7/49

All: 19.641+/-0.002 χ^2/NDF: 12881693.4/91



Right In: 0.002+/-0.006 χ^2/NDF: 25.2/18

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 15.6/24

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

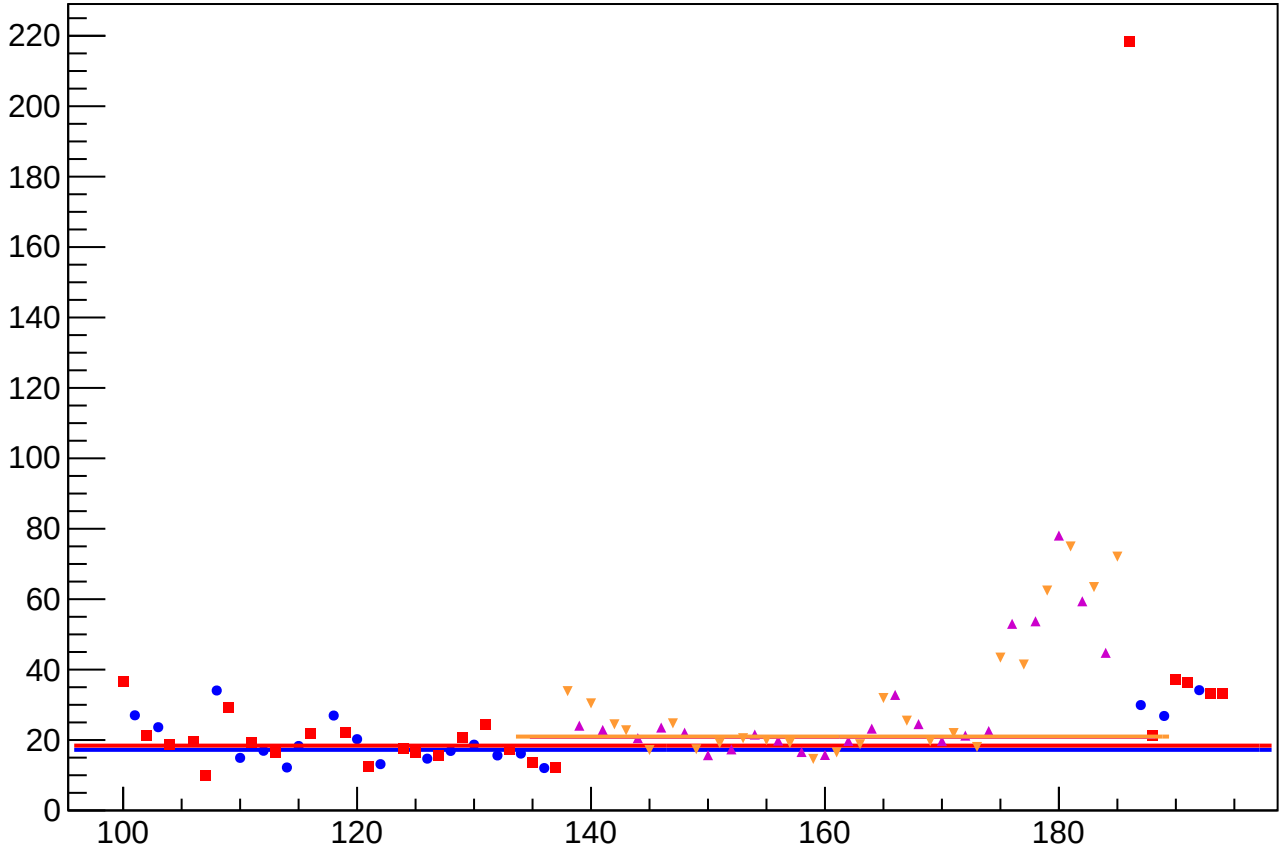
Right: 0.002+/-0.004 χ^2/NDF: 40.8/43

In: 0.003+/-0.004 χ^2/NDF:48.5/41

Out: -0.003+/-0.004 χ^2/NDF:38.9/49

All: 0.000+/-0.003 χ^2/NDF: 88.4/91

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.213+/-0.004 χ^2/NDF: 1656735.8/18

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 18.413+/-0.004 χ^2/NDF: 2608713.2/24

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

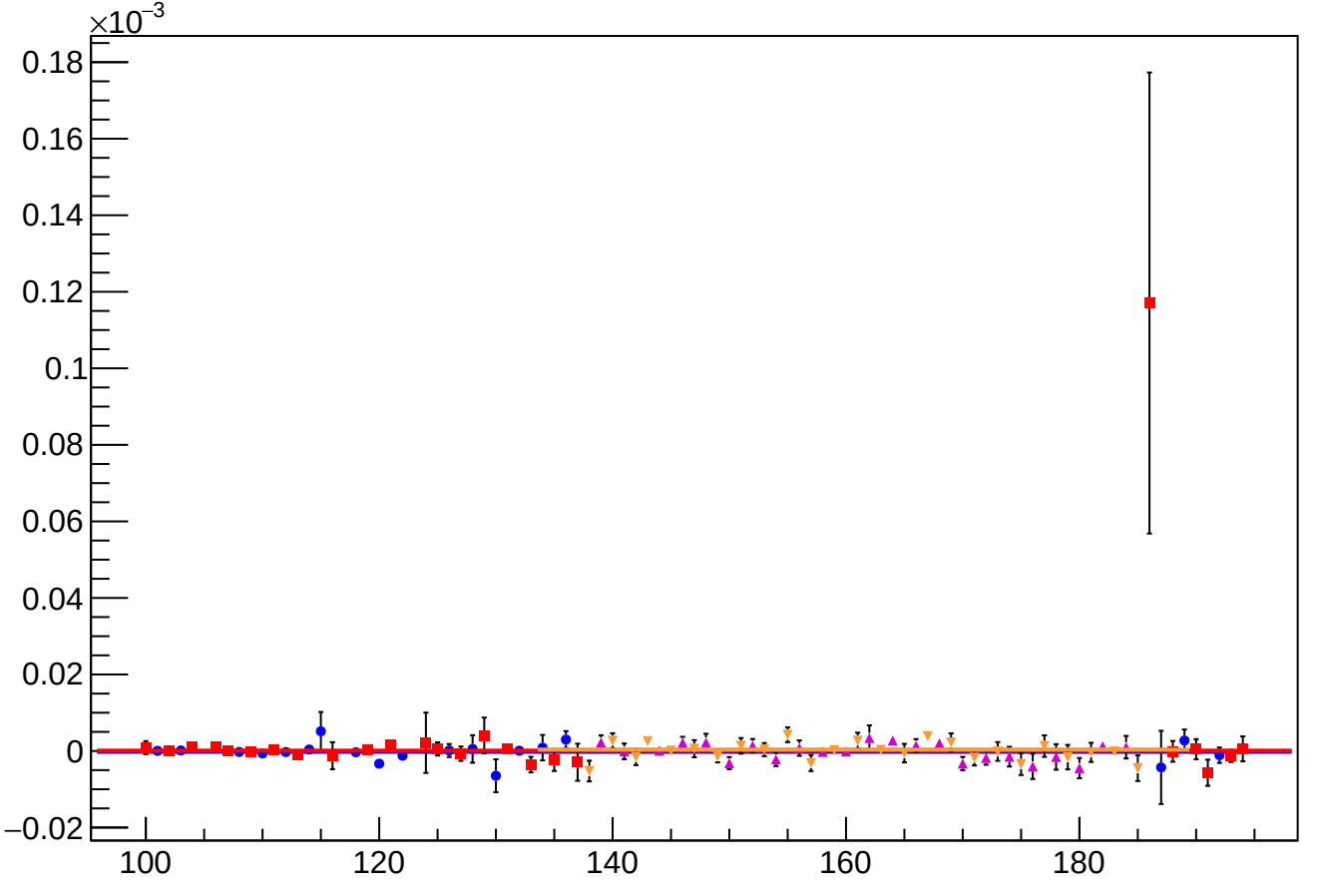
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 17.835+/-0.003 χ^2/NDF: 4302596.1/43

In: 19.366+/-0.003 χ^2/NDF:5583567.9/41

Out: 19.902+/-0.003 χ^2/NDF:7280295.7/49

All: 19.641+/-0.002 χ^2/NDF: 12881693.4/91



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/24

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

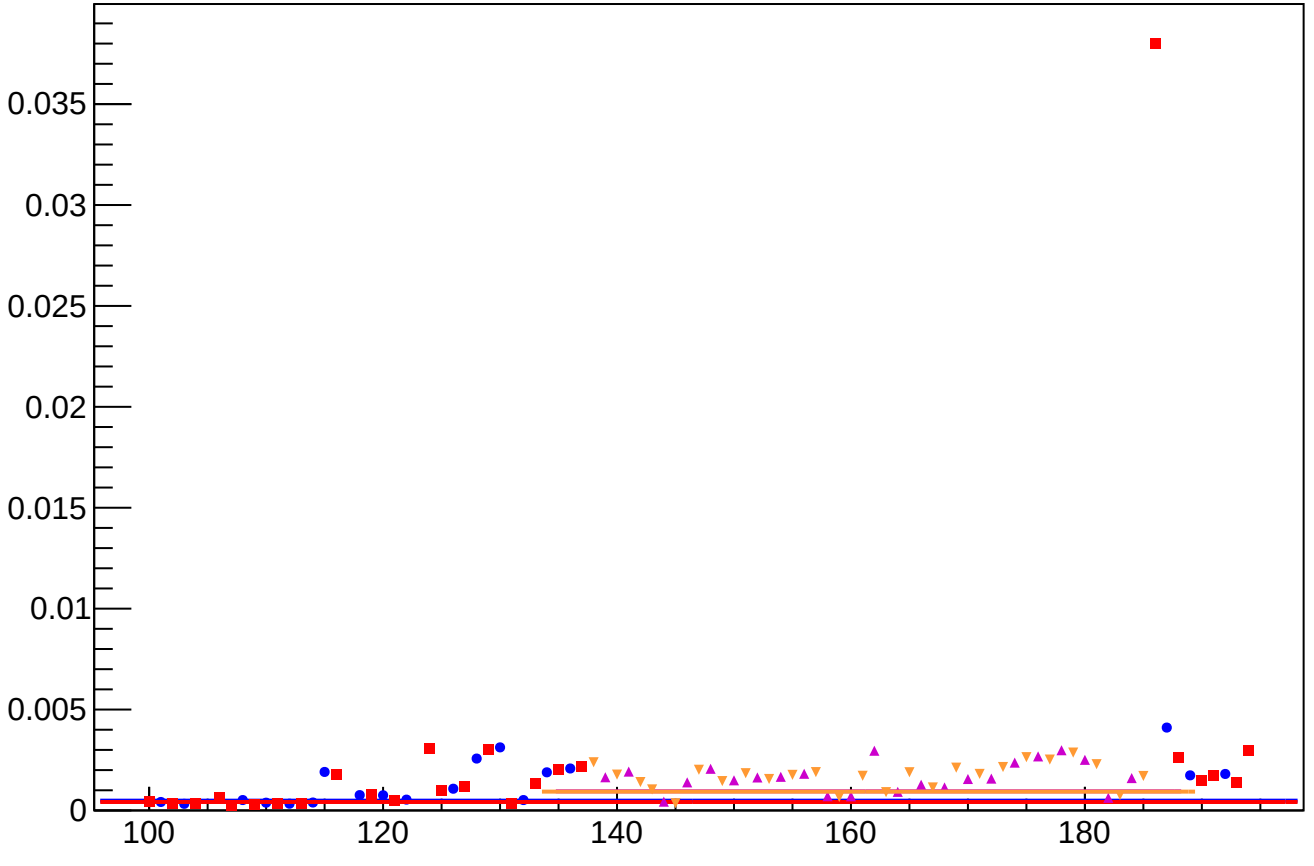
Right: -0.000+/-0.000 χ^2/NDF: 44.9/43

In: -0.000+/-0.000 χ^2/NDF:49.6/41

Out: 0.000+/-0.000 χ^2/NDF:62.7/49

All: 0.000+/-0.000 χ^2/NDF: 113.1/91

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5567659.5/18

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8833348.2/24

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

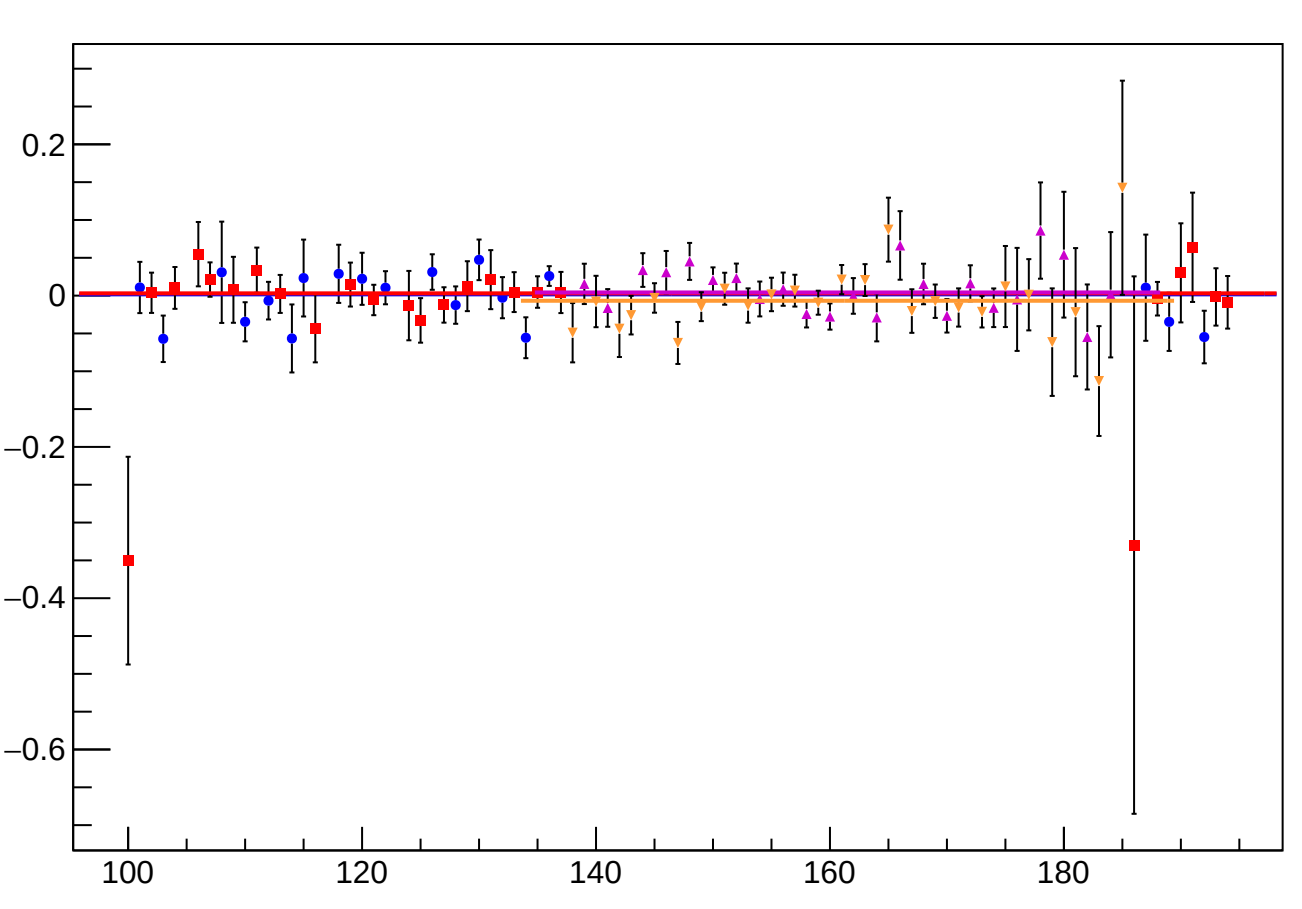
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.000+/-0.000 χ^2/NDF: 14520190.9/43

In: 0.001+/-0.000 χ^2/NDF:18879989.1/41

Out: 0.001+/-0.000 χ^2/NDF:26244683.4/49

All: 0.001+/-0.000 χ^2/NDF: 45456127.7/91



Right In: 0.002+/-0.006 χ^2/NDF: 25.2/18

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 15.6/24

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

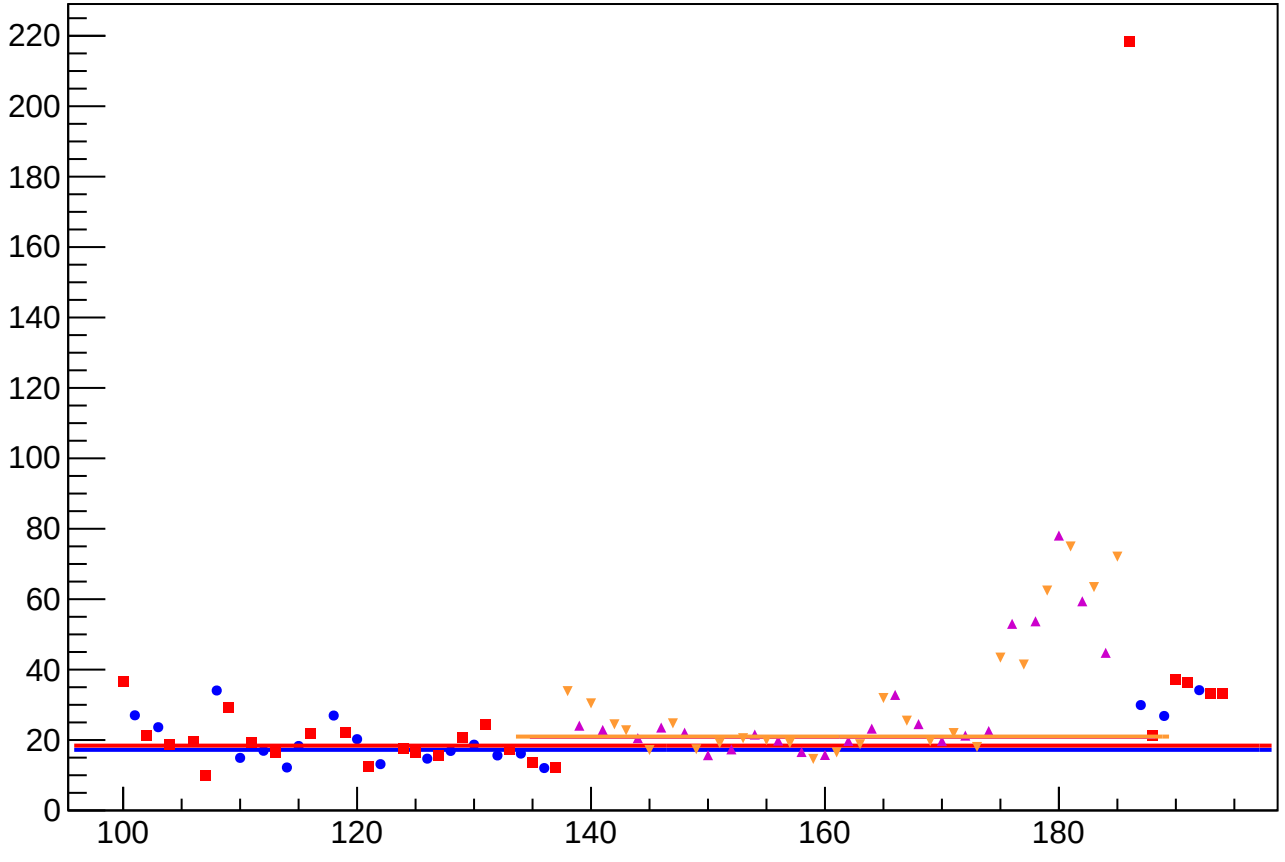
Right: 0.002+/-0.004 χ^2/NDF: 40.8/43

In: 0.003+/-0.004 χ^2/NDF:48.5/41

Out: -0.003+/-0.004 χ^2/NDF:38.9/49

All: 0.000+/-0.003 χ^2/NDF: 88.4/91

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.213+/-0.004 χ^2/NDF: 1656781.0/18

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 18.413+/-0.004 χ^2/NDF: 2608731.5/24

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

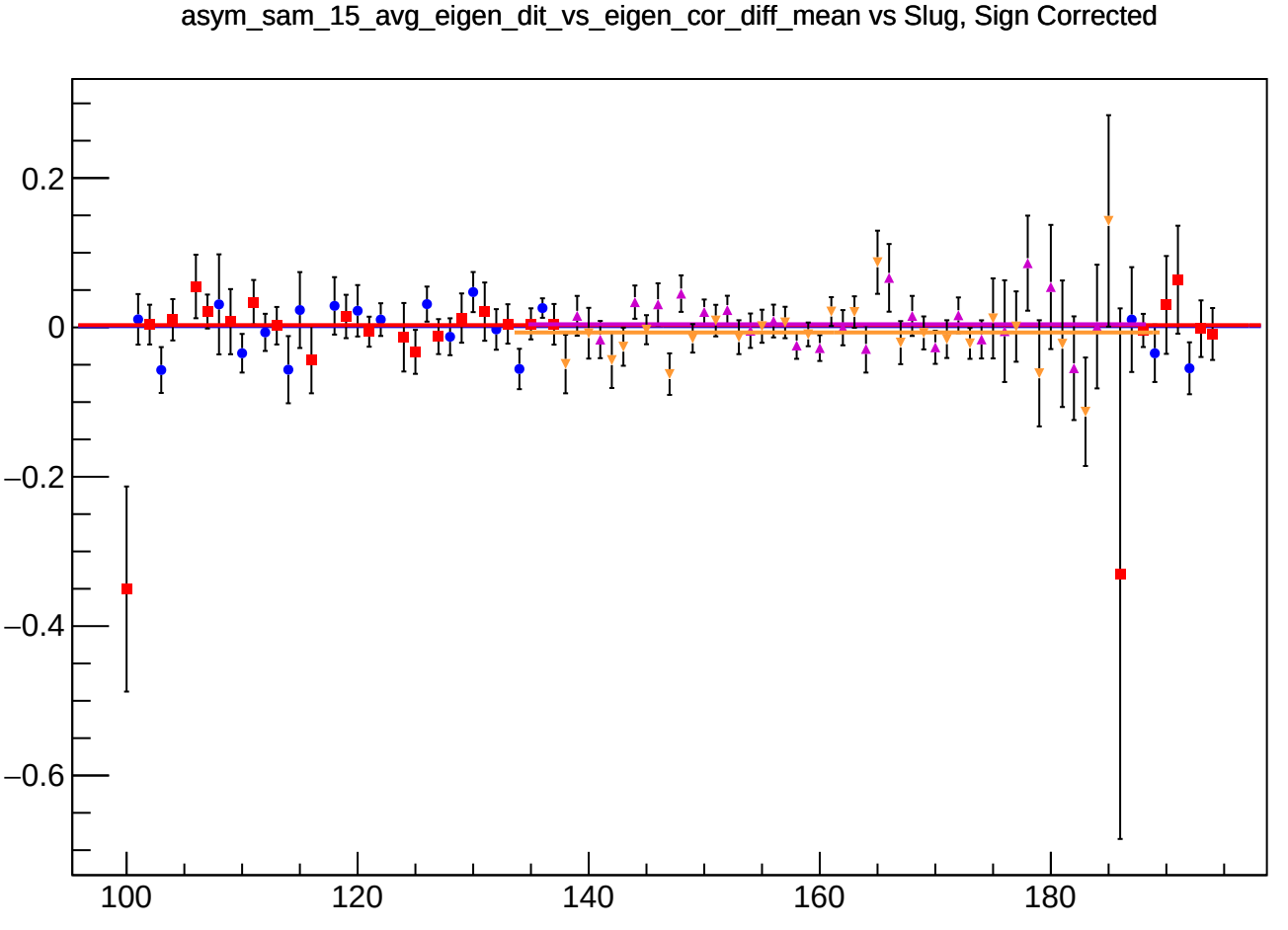
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 17.835+/-0.003 χ^2/NDF: 4302656.1/43

In: 19.366+/-0.003 χ^2/NDF:5583710.3/41

Out: 19.902+/-0.003 χ^2/NDF:7280347.3/49

All: 19.641+/-0.002 χ^2/NDF: 12881888.2/91



Right In: 0.002+/-0.006 χ^2/NDF: 25.2/18

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 15.6/24

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

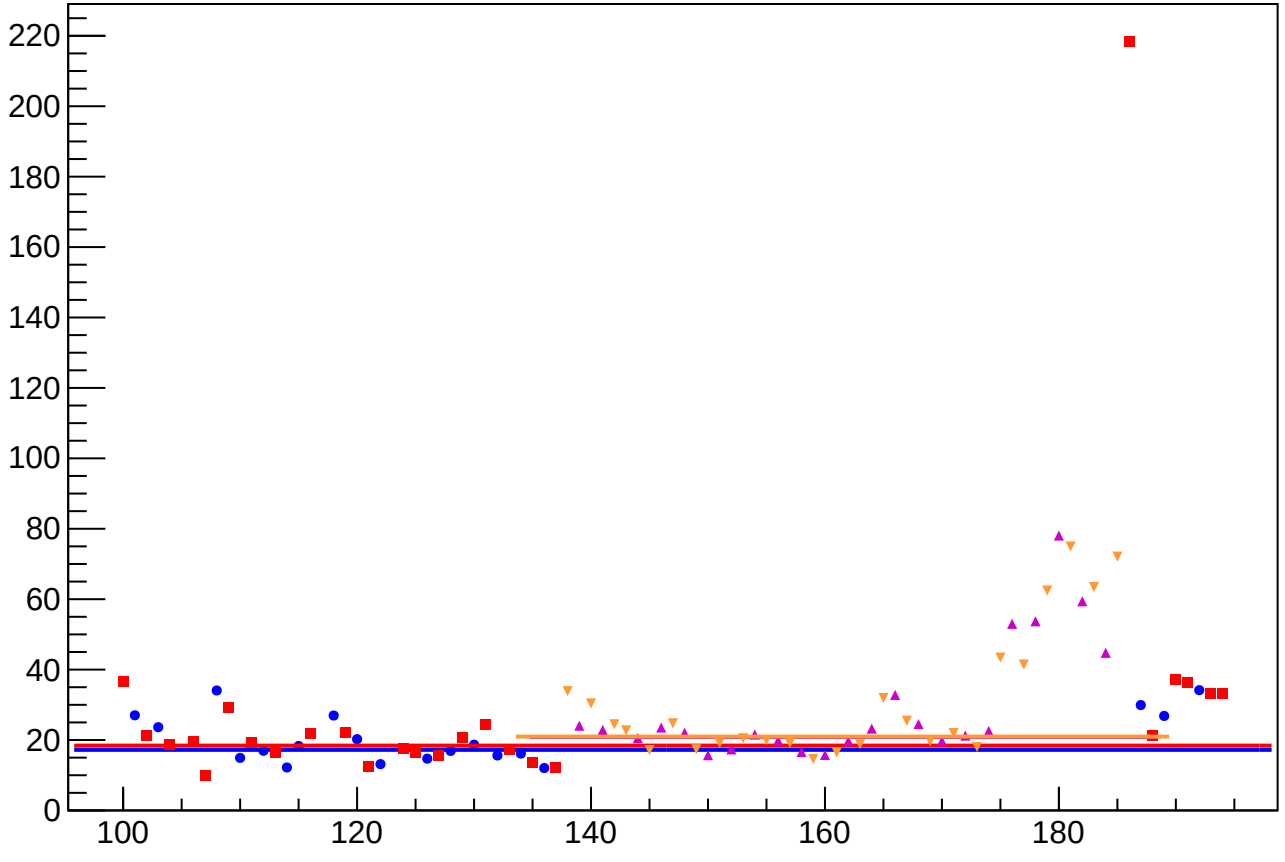
Right: 0.002+/-0.004 χ^2/NDF: 40.8/43

In: 0.003+/-0.004 χ^2/NDF:48.5/41

Out: -0.003+/-0.004 χ^2/NDF:38.9/49

All: 0.000+/-0.003 χ^2/NDF: 88.4/91

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.213+/-0.004 χ^2/NDF: 1656781.0/18

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 18.413+/-0.004 χ^2/NDF: 2608731.5/24

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

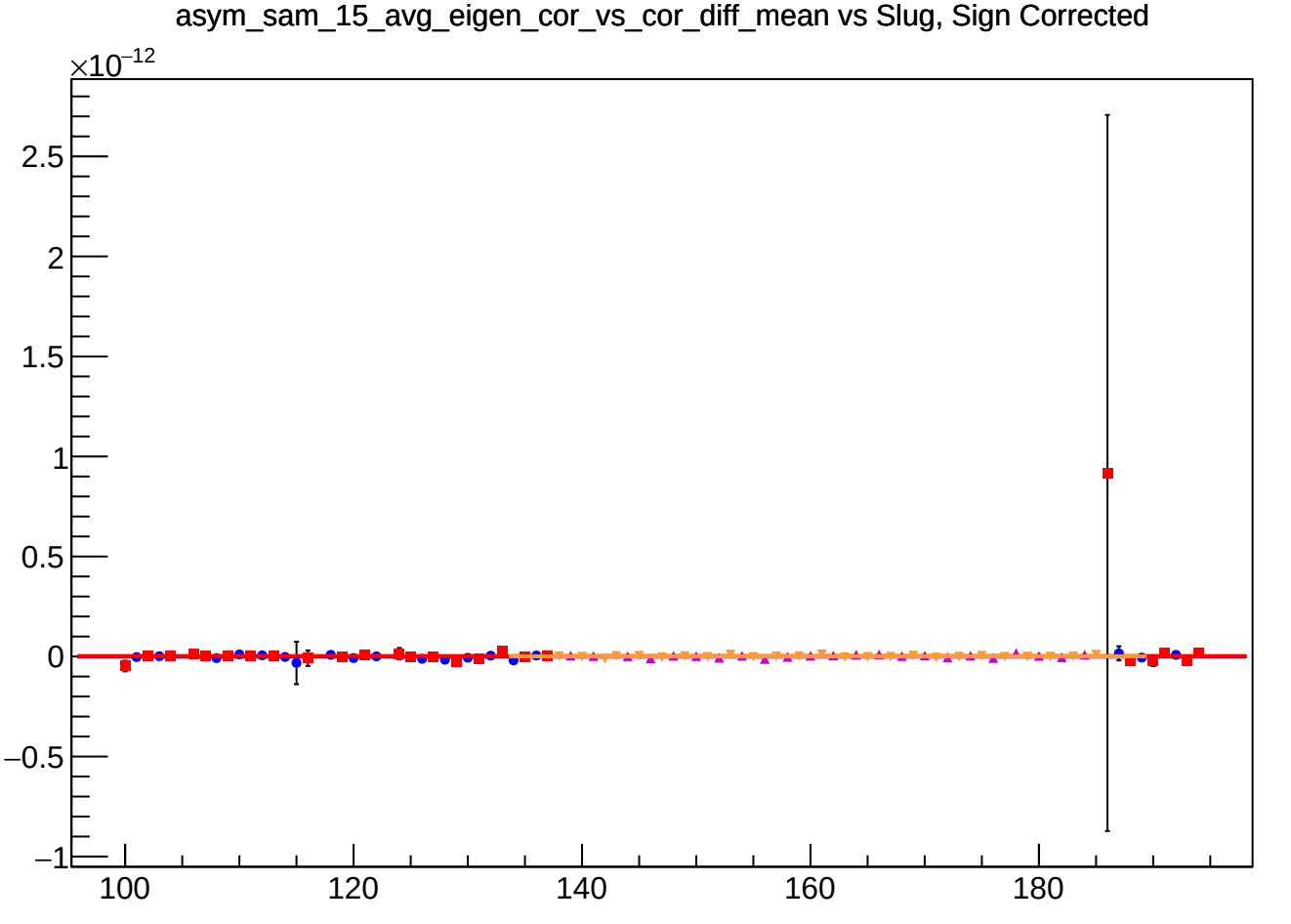
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 17.835+/-0.003 χ^2/NDF: 4302656.1/43

In: 19.366+/-0.003 χ^2/NDF:5583710.3/41

Out: 19.902+/-0.003 χ^2/NDF:7280347.3/49

All: 19.641+/-0.002 χ^2/NDF: 12881888.2/91



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/24

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

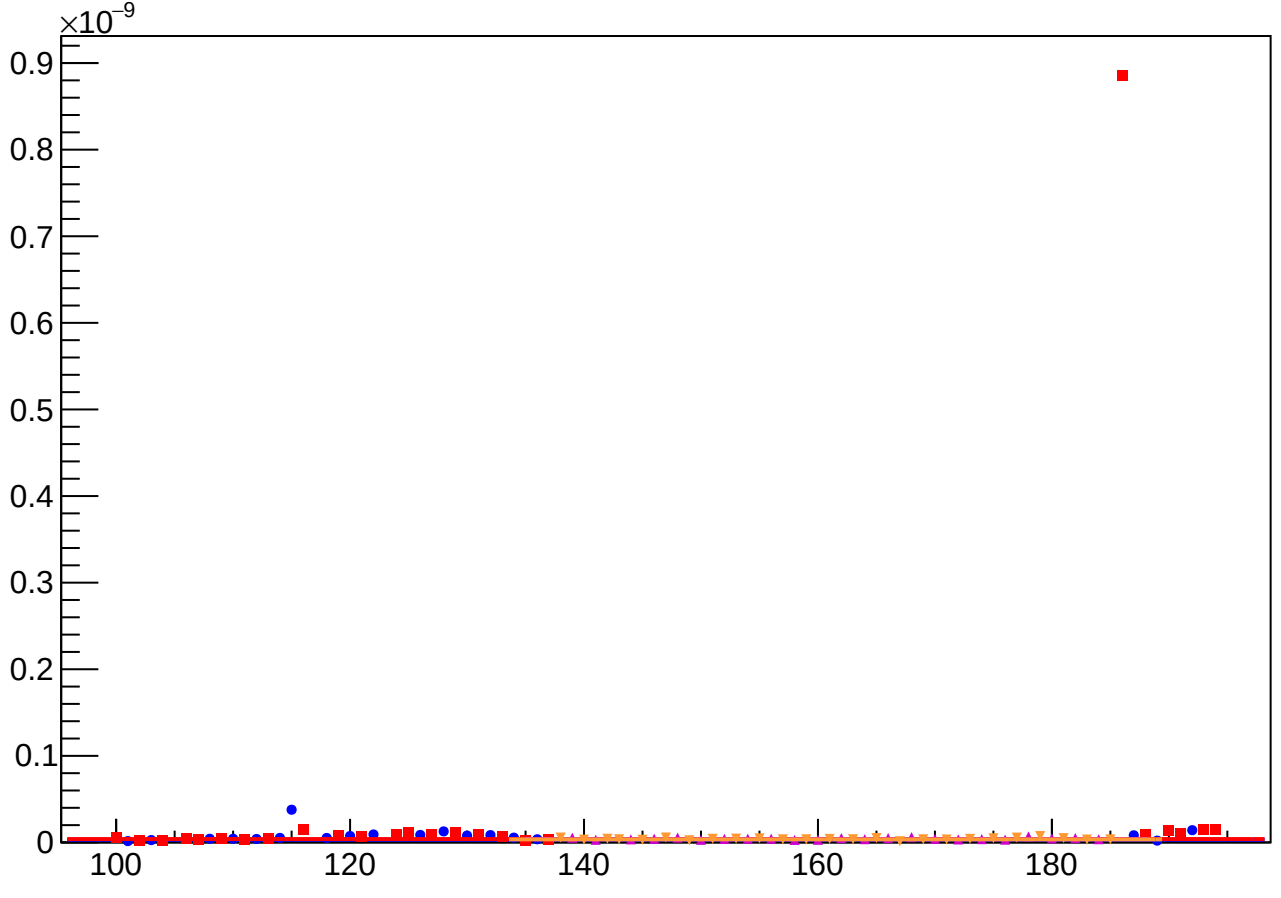
Right: 0.000+/-0.000 χ^2/NDF: 35.2/43

In: 0.000+/-0.000 χ^2/NDF:40.1/41

Out: 0.000+/-0.000 χ^2/NDF:35.7/49

All: 0.000+/-0.000 χ^2/NDF: 76.2/91

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3693400.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5082528.3/24

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

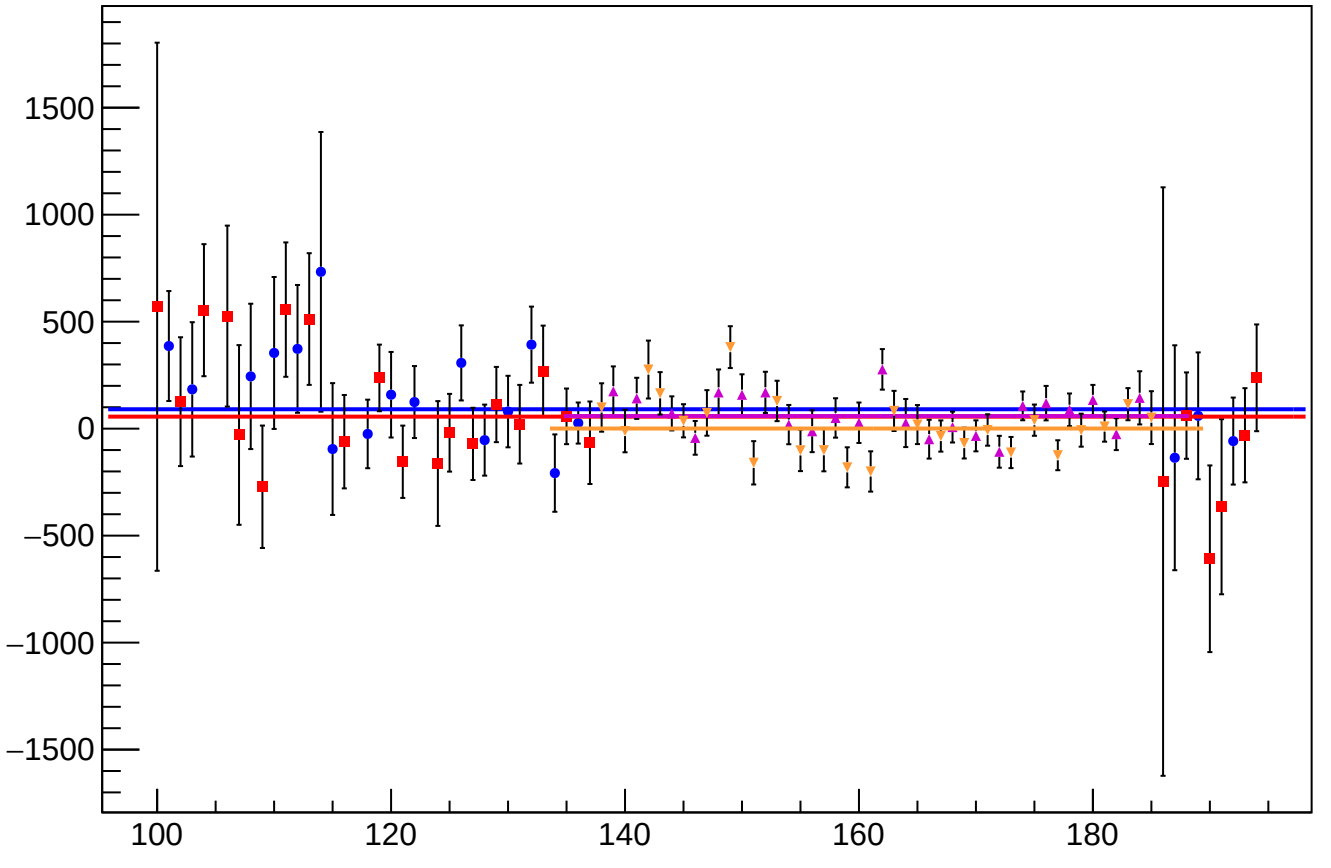
Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

Right: 0.000+/-0.000 χ^2/NDF: 9006460.5/43

In: 0.000+/-0.000 χ^2/NDF:5246322.4/41

Out: 0.000+/-0.000 χ^2/NDF:7669165.1/49

All: 0.000+/-0.000 χ^2/NDF: 12915488.1/91



Right In: 90.633+/-45.645 χ^2/NDF: 14.1/18

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 56.112+/-45.455 χ^2/NDF: 20.3/24

Left In: 58.907+/-17.879 χ^2/NDF:25.8/22

Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

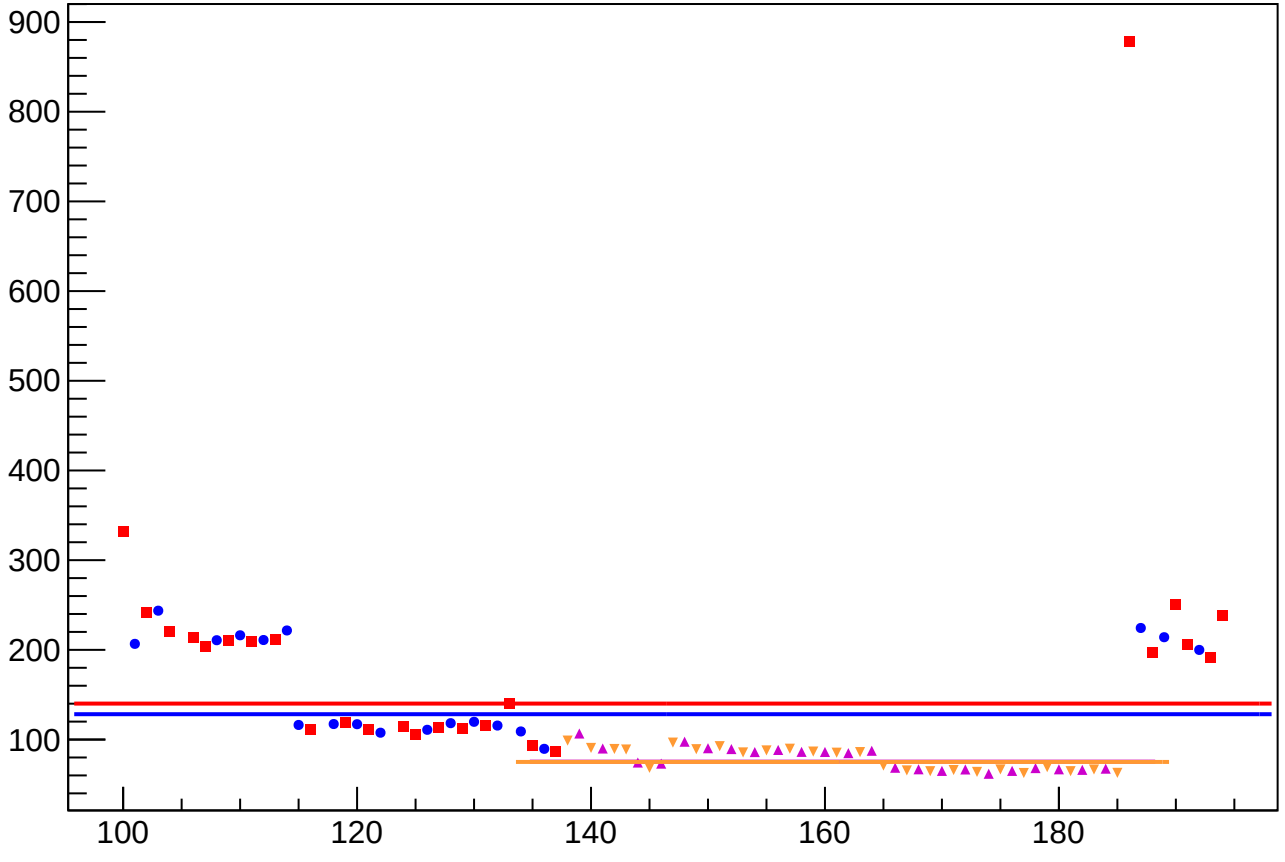
Right: 73.301+/-32.208 χ^2/NDF: 34.7/43

In: 63.127+/-16.647 χ^2/NDF:40.4/41

Out: 7.636+/-16.184 χ^2/NDF:70.2/49

All: 34.599+/-11.604 χ^2/NDF: 116.3/91

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 128.264+/-0.032 χ^2/NDF: 1812188.8/18

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 140.096+/-0.032 χ^2/NDF: 2949784.2/24

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

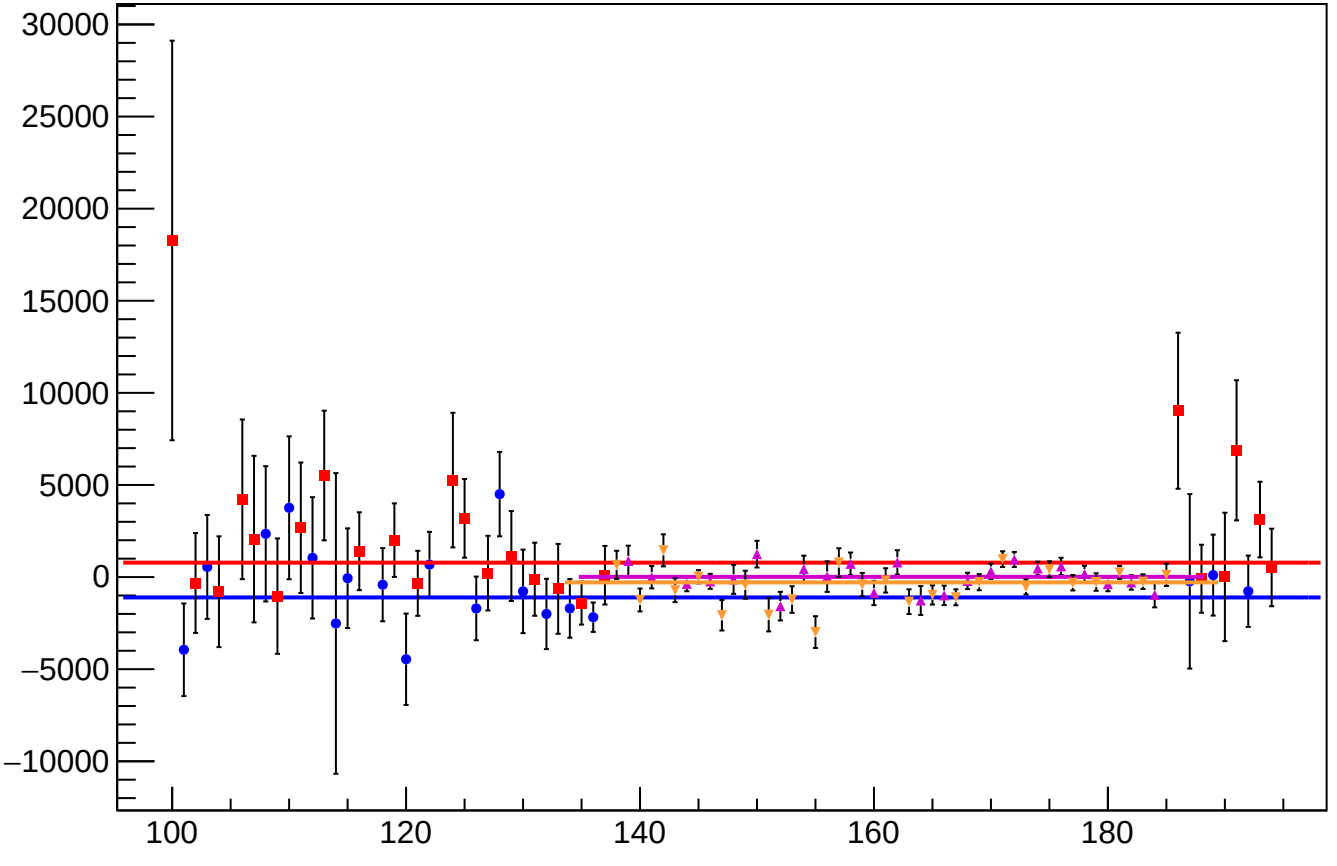
Right: 134.205+/-0.023 χ^2/NDF: 4829444.9/43

In: 82.390+/-0.012 χ^2/NDF:4979912.2/41

Out: 83.288+/-0.011 χ^2/NDF:7455174.0/49

All: 82.852+/-0.008 χ^2/NDF: 12438078.1/91

asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1105.094+/-452.758 χ^2/NDF: 16.3/18

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 782.715+/-464.381 χ^2/NDF: 22.1/24

Left In: 10.643+/-107.669 χ^2/NDF:33.4/22

Left: -142.139+/-75.257 χ^2/NDF: 90.6/47

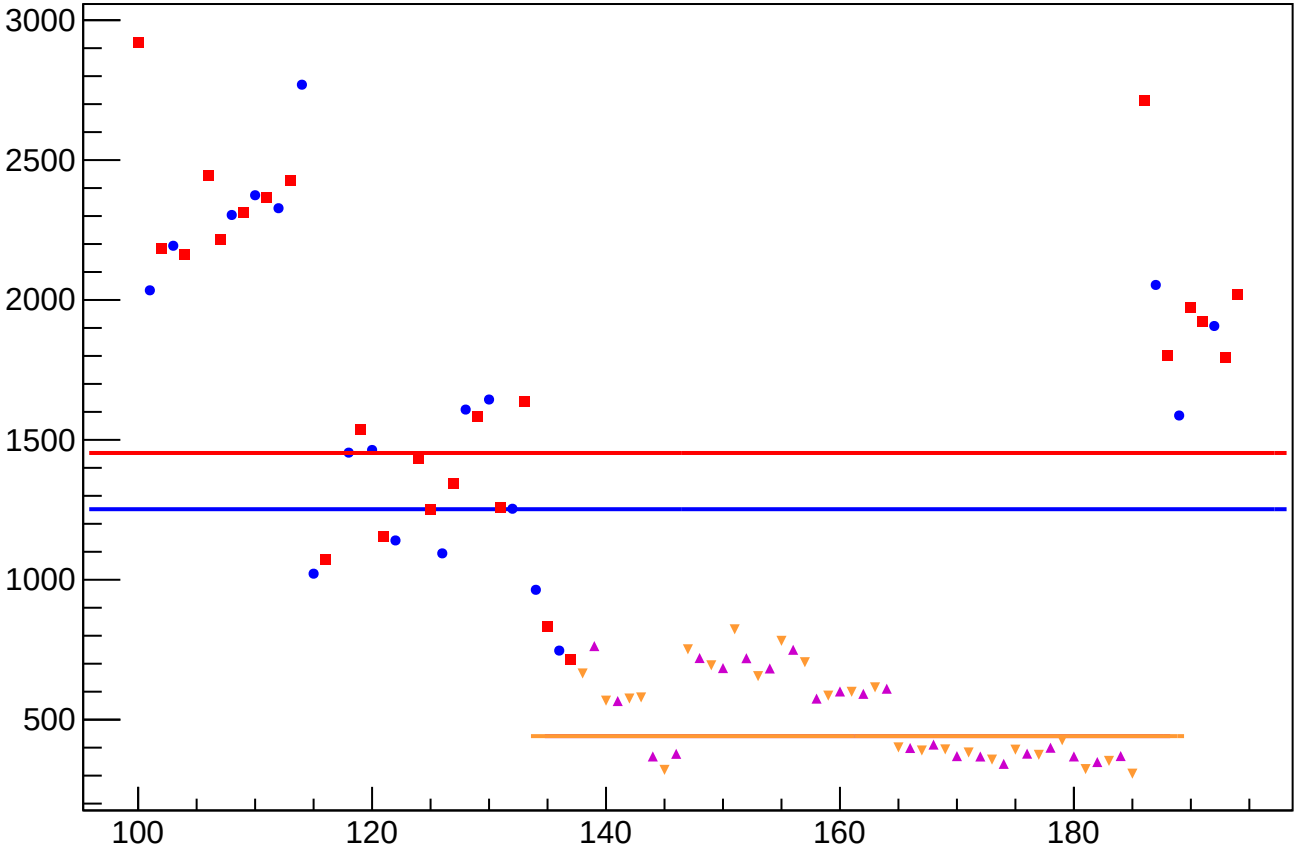
Right: -185.110+/-324.179 χ^2/NDF: 46.9/43

In: -49.077+/-104.748 χ^2/NDF:55.5/41

Out: -235.779+/-102.629 χ^2/NDF:80.5/49

All: -144.336+/-73.308 χ^2/NDF: 137.6/91

asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1252.196+/-0.320 χ^2/NDF: 2412767.4/18

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1453.139+/-0.328 χ^2/NDF: 2594634.1/24

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

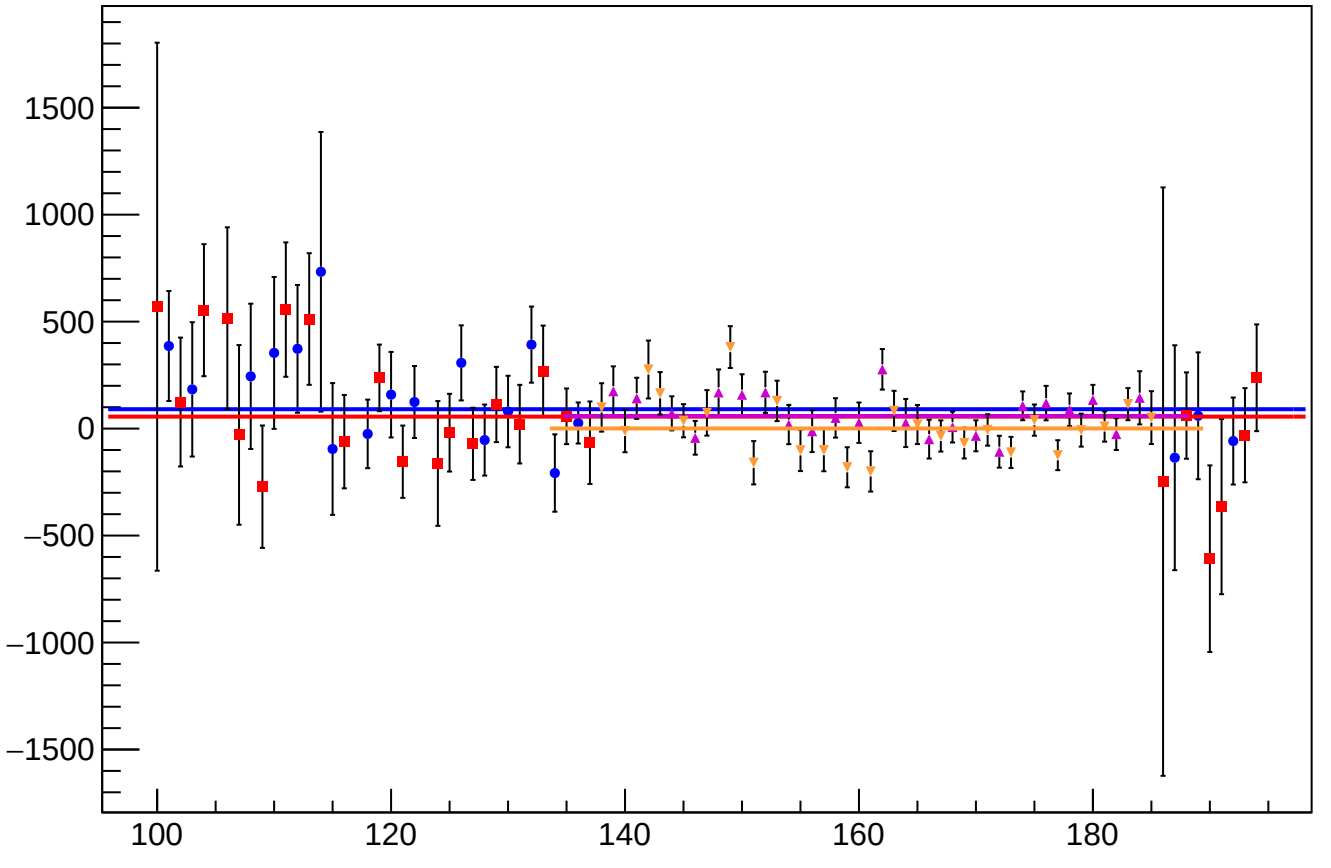
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1350.121+/-0.229 χ^2/NDF: 5199385.4/43

In: 484.605+/-0.074 χ^2/NDF:11168481.5/41

Out: 490.557+/-0.073 χ^2/NDF:14863767.6/49

All: 487.642+/-0.052 χ^2/NDF: 26035543.6/91



Right In: 90.618+/-45.645 χ^2/NDF: 14.1/18

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 55.916+/-45.457 χ^2/NDF: 20.2/24

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

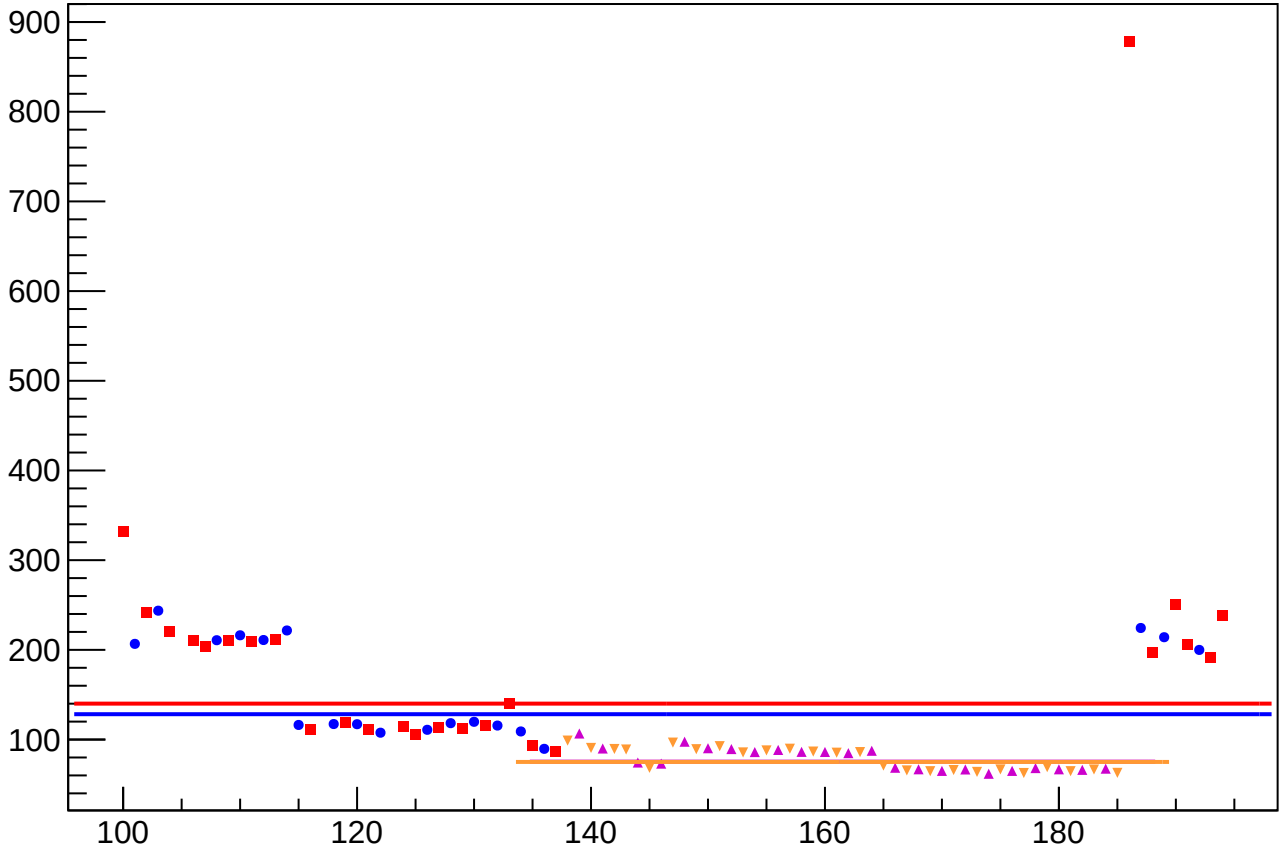
Right: 73.196+/-32.209 χ^2/NDF: 34.7/43

In: 63.123+/-16.647 χ^2/NDF:40.4/41

Out: 7.610+/-16.184 χ^2/NDF:70.1/49

All: 34.584+/-11.604 χ^2/NDF: 116.2/91

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 128.264+/-0.032 χ^2/NDF: 1812191.3/18

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 140.055+/-0.032 χ^2/NDF: 2944734.4/24

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

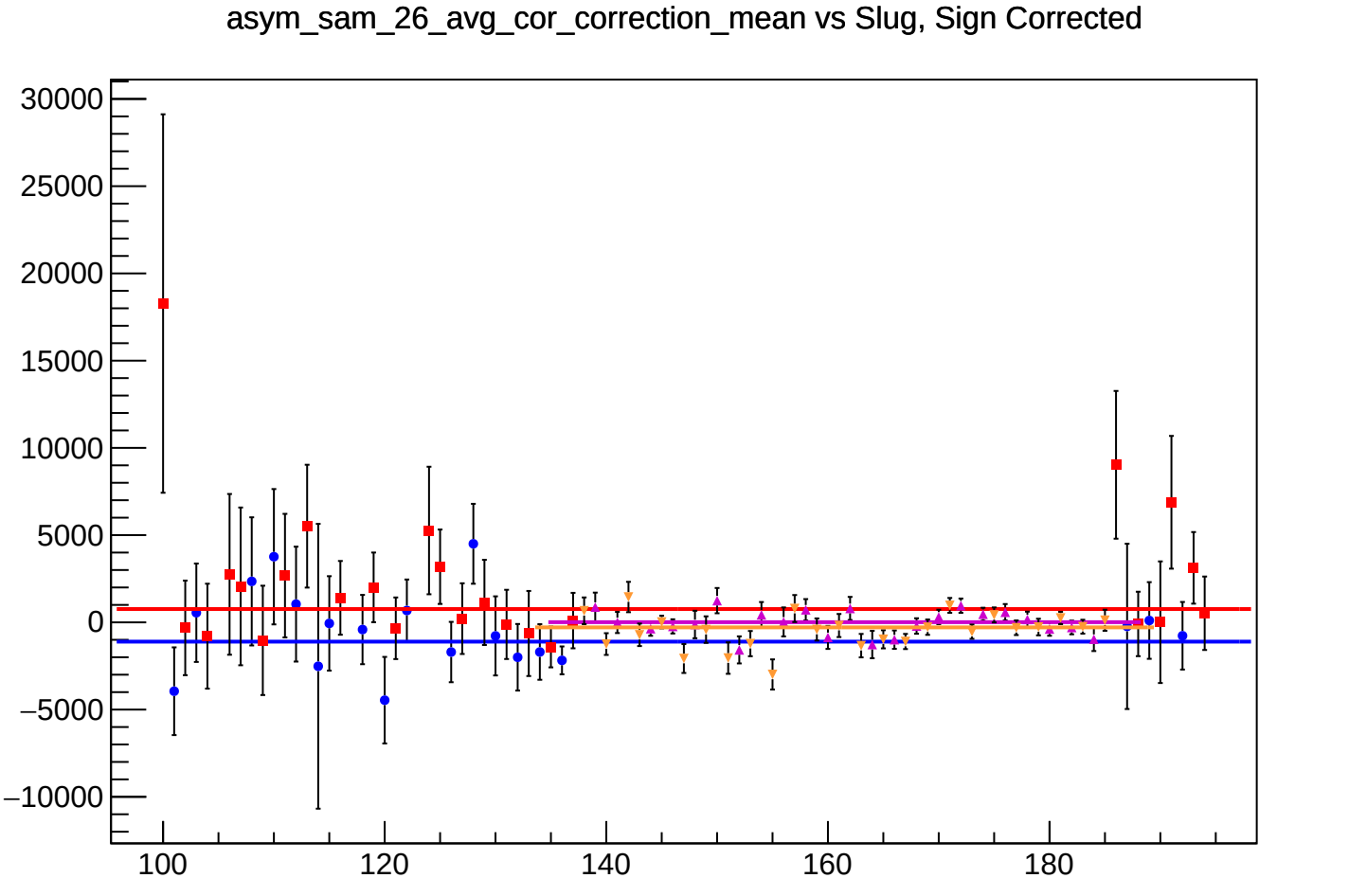
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 134.184+/-0.023 χ^2/NDF: 4823926.5/43

In: 82.390+/-0.012 χ^2/NDF:4979914.2/41

Out: 83.282+/-0.011 χ^2/NDF:7445277.4/49

All: 82.849+/-0.008 χ^2/NDF: 12428143.8/91



Right In: -1105.072+/-452.758 χ^2/NDF: 16.3/18

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 763.392+/-464.696 χ^2/NDF: 21.7/24

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

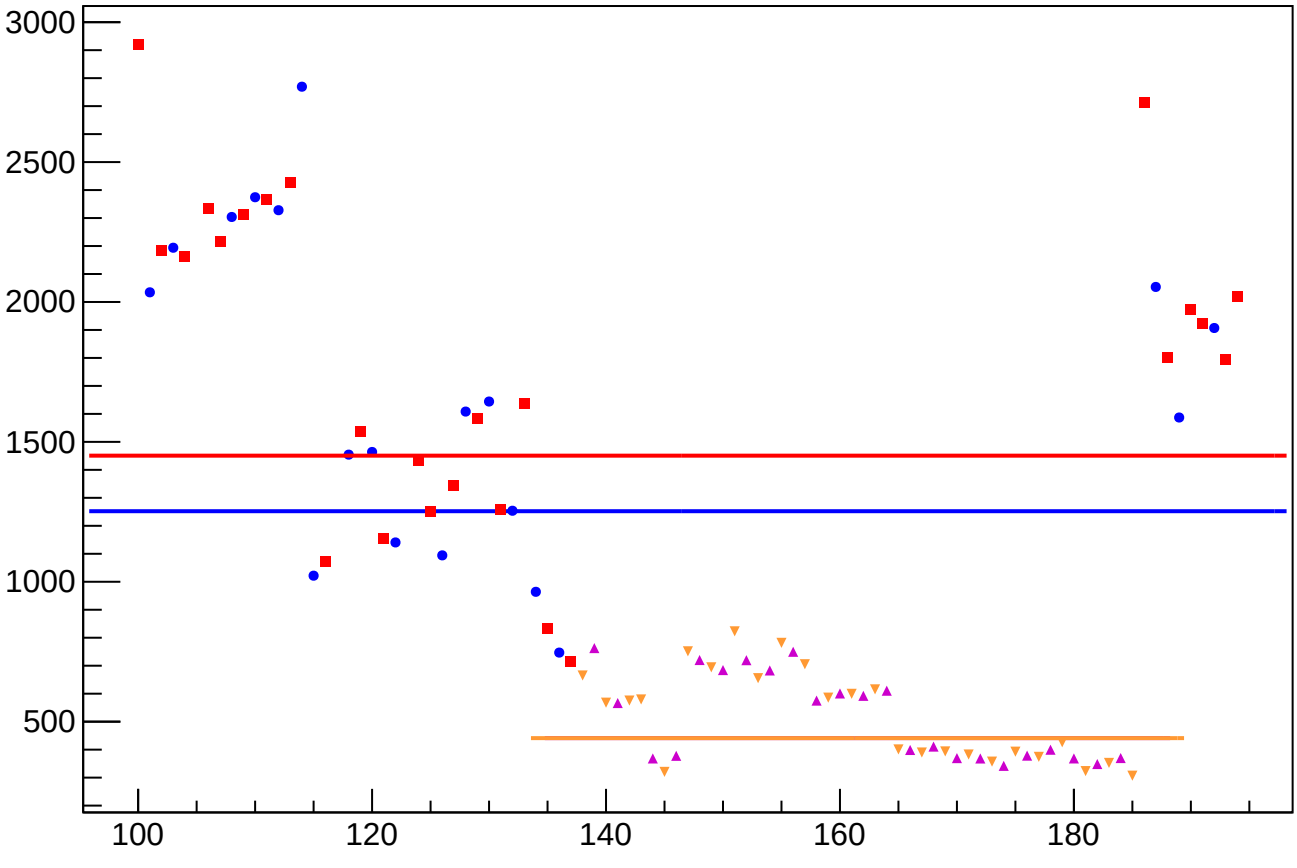
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -195.149+/-324.287 χ^2/NDF: 46.3/43

In: -49.075+/-104.748 χ^2/NDF:55.5/41

Out: -236.789+/-102.633 χ^2/NDF:79.8/49

All: -144.847+/-73.309 χ^2/NDF: 137.0/91



Right In: 1252.196+/-0.320 χ^2/NDF: 2412798.8/18

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1450.733+/-0.329 χ^2/NDF: 2563622.6/24

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

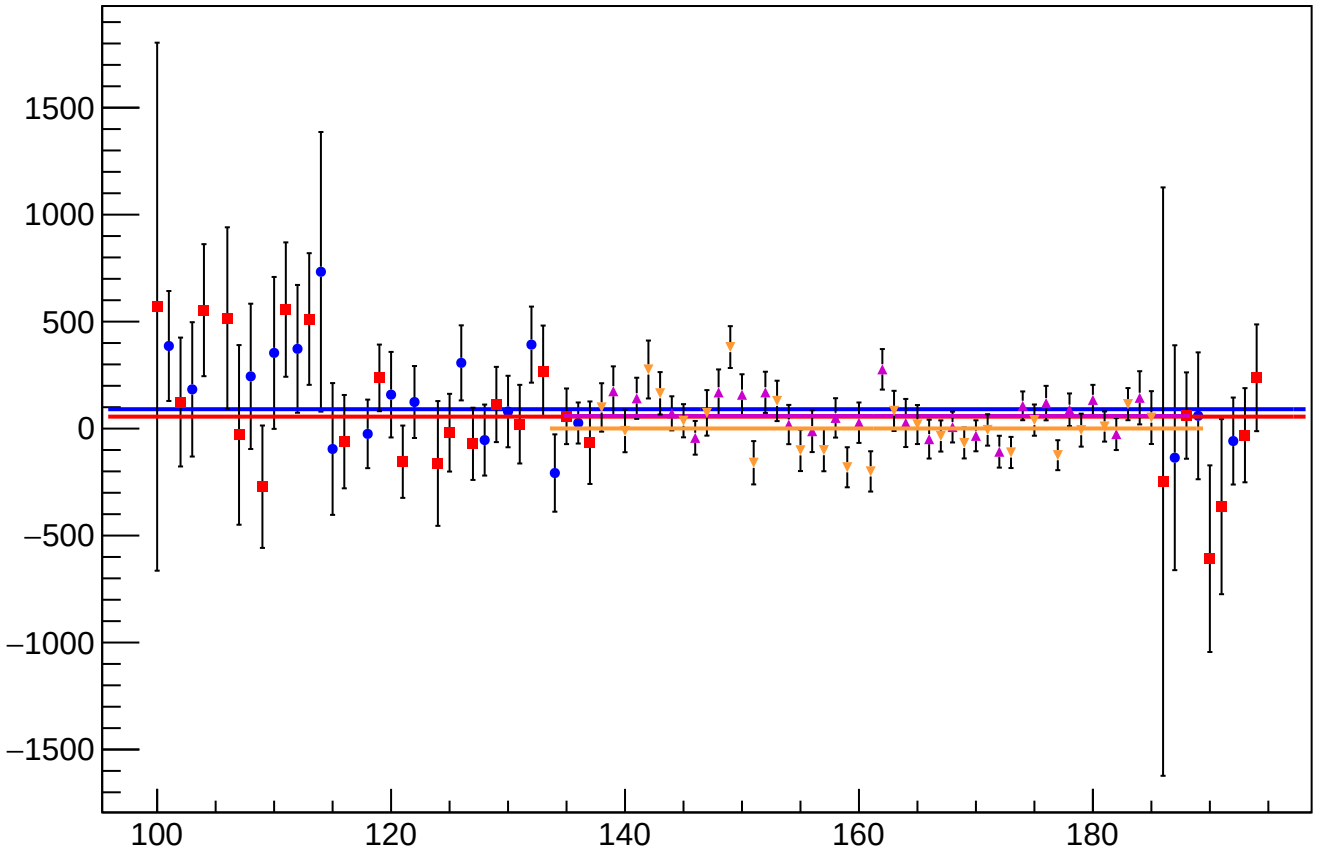
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1348.881+/-0.229 χ^2/NDF: 5163704.2/43

In: 484.605+/-0.074 χ^2/NDF:11168492.1/41

Out: 490.376+/-0.073 χ^2/NDF:14778224.7/49

All: 487.550+/-0.052 χ^2/NDF: 25949813.5/91



Right In: 90.618+/-45.645 χ^2/NDF: 14.1/18

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 55.916+/-45.457 χ^2/NDF: 20.2/24

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

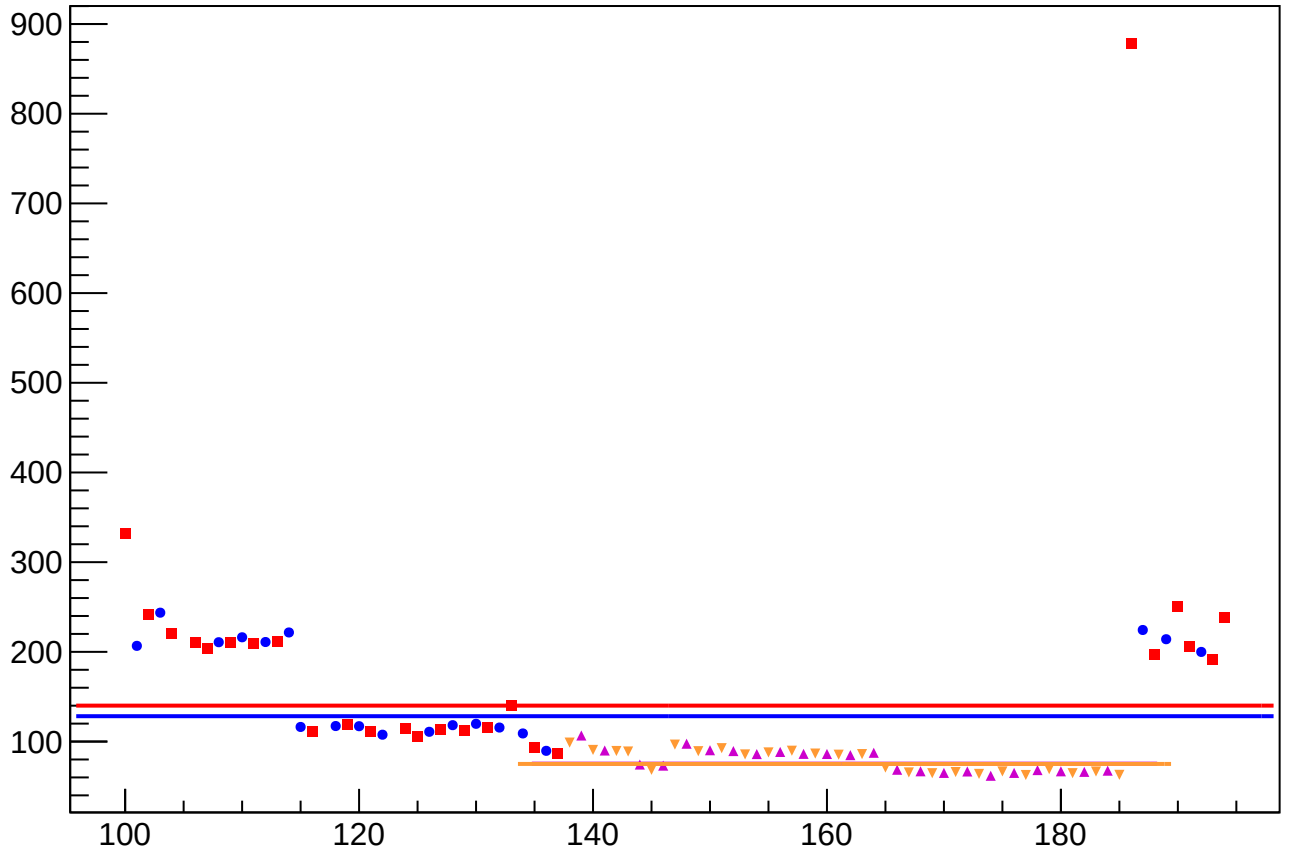
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 73.196+/-32.209 χ^2/NDF: 34.7/43

In: 63.123+/-16.647 χ^2/NDF:40.4/41

Out: 7.610+/-16.184 χ^2/NDF:70.1/49

All: 34.584+/-11.604 χ^2/NDF: 116.2/91



Right In: 128.264+/-0.032 χ^2/NDF: 1812191.3/18

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 140.055+/-0.032 χ^2/NDF: 2944734.4/24

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

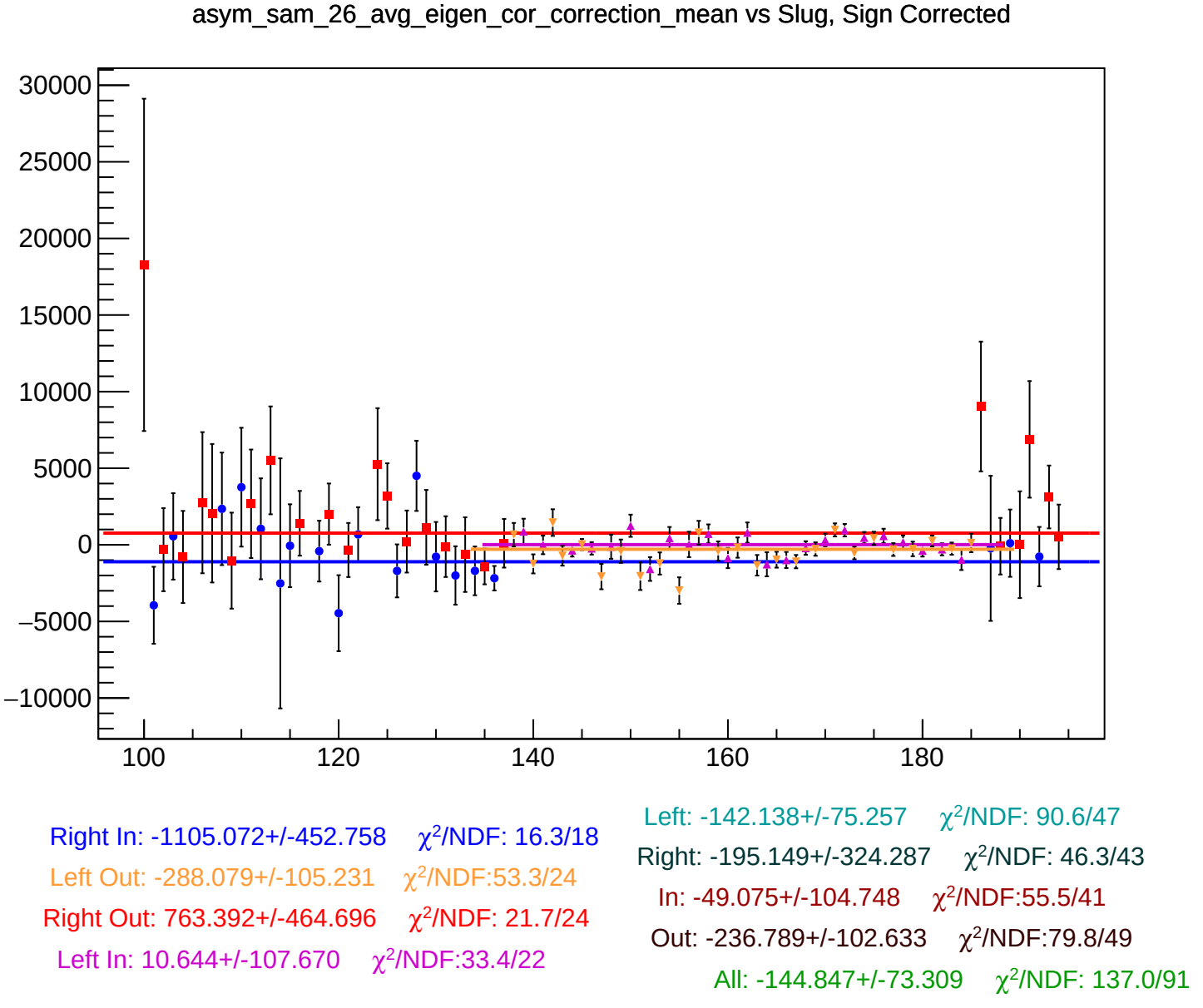
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 134.184+/-0.023 χ^2/NDF: 4823926.5/43

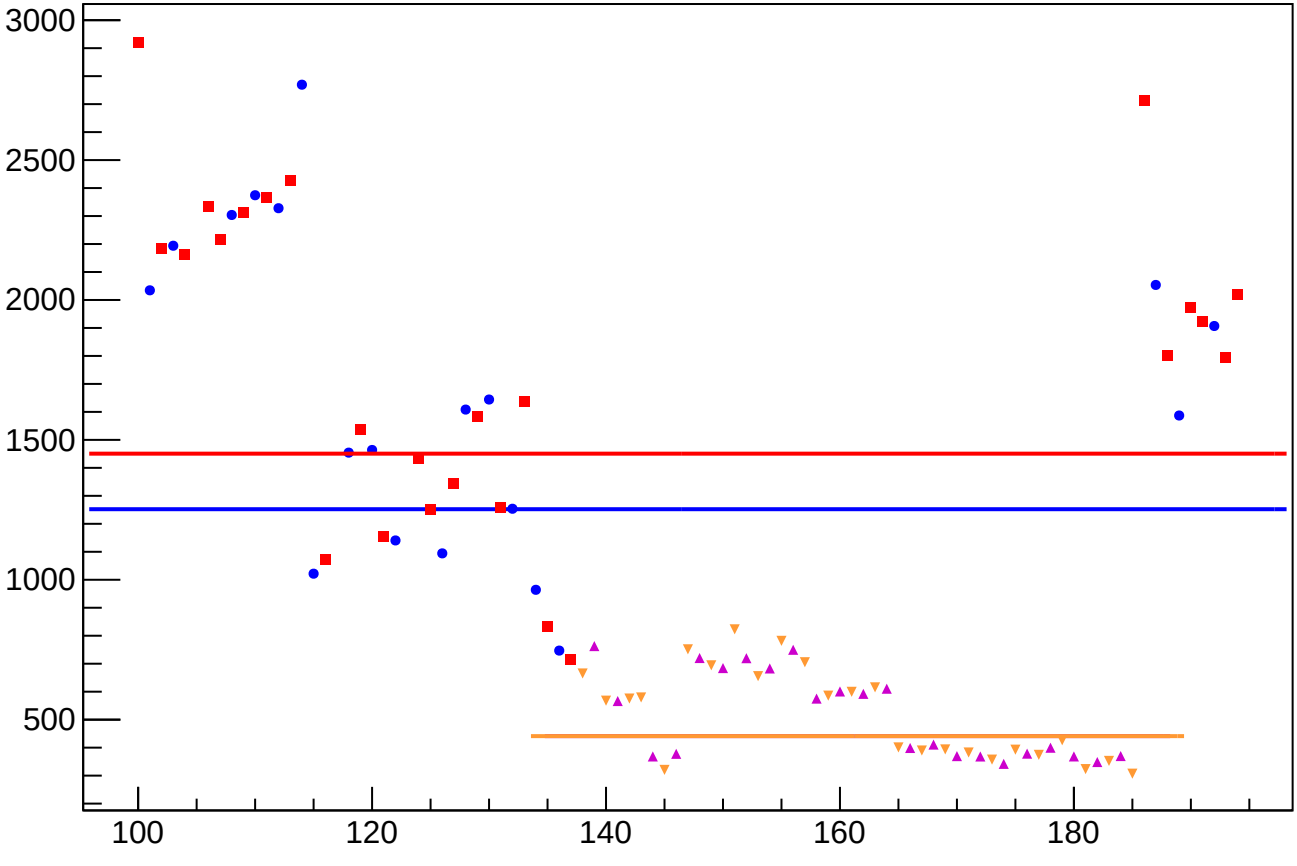
In: 82.390+/-0.012 χ^2/NDF:4979914.2/41

Out: 83.282+/-0.011 χ^2/NDF:7445277.4/49

All: 82.849+/-0.008 χ^2/NDF: 12428143.8/91


asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
Right In: -1105.072+/-452.758 χ²/NDF: 16.3/18
Left Out: -288.079+/-105.231 χ²/NDF:53.3/24
Right Out: 763.392+/-464.696 χ²/NDF: 21.7/24
Left In: 10.644+/-107.670 χ²/NDF:33.4/22
Left: -142.138+/-75.257 χ²/NDF: 90.6/47
Right: -195.149+/-324.287 χ²/NDF: 46.3/43
In: -49.075+/-104.748 χ²/NDF:55.5/41
Out: -236.789+/-102.633 χ²/NDF:79.8/49
All: -144.847+/-73.309 χ²/NDF: 137.0/91

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1252.196+/-0.320 χ^2/NDF: 2412798.8/18

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1450.733+/-0.329 χ^2/NDF: 2563622.6/24

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

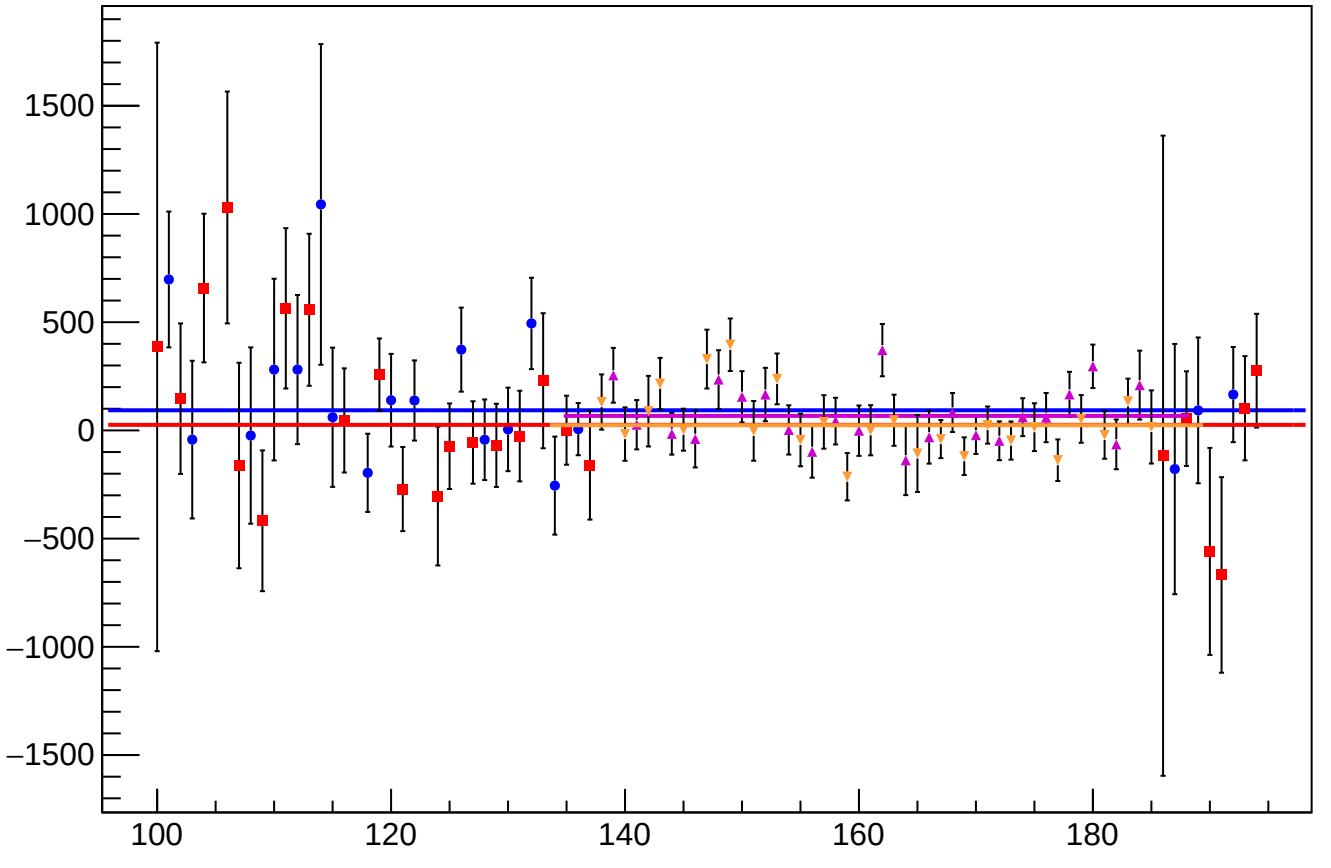
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1348.881+/-0.229 χ^2/NDF: 5163704.2/43

In: 484.605+/-0.074 χ^2/NDF:11168492.1/41

Out: 490.376+/-0.073 χ^2/NDF:14778224.7/49

All: 487.550+/-0.052 χ^2/NDF: 25949813.5/91



Right In: 93.024+/-52.972 χ^2/NDF: 18.4/18

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: 25.664+/-51.988 χ^2/NDF: 25.4/24

Left In: 67.086+/-23.121 χ^2/NDF:28.6/22

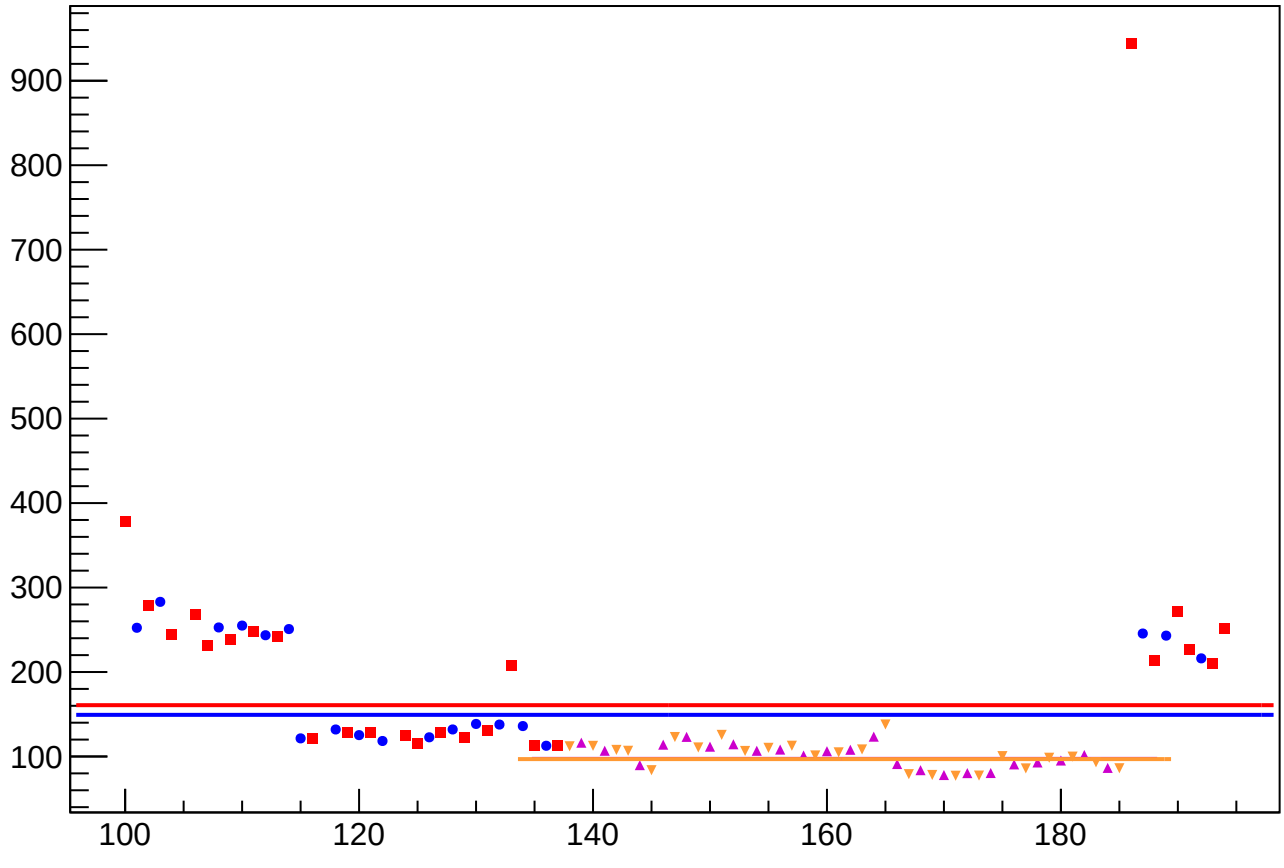
Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

Right: 58.712+/-37.104 χ^2/NDF: 44.7/43

In: 71.236+/-21.190 χ^2/NDF:47.3/41

Out: 24.154+/-20.583 χ^2/NDF:60.6/49

All: 47.010+/-14.764 χ^2/NDF: 110.4/91



Right In: 149.295+/-0.037 χ^2/NDF: 1696196.2/18

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

Right Out: 160.750+/-0.037 χ^2/NDF: 2787883.1/24

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

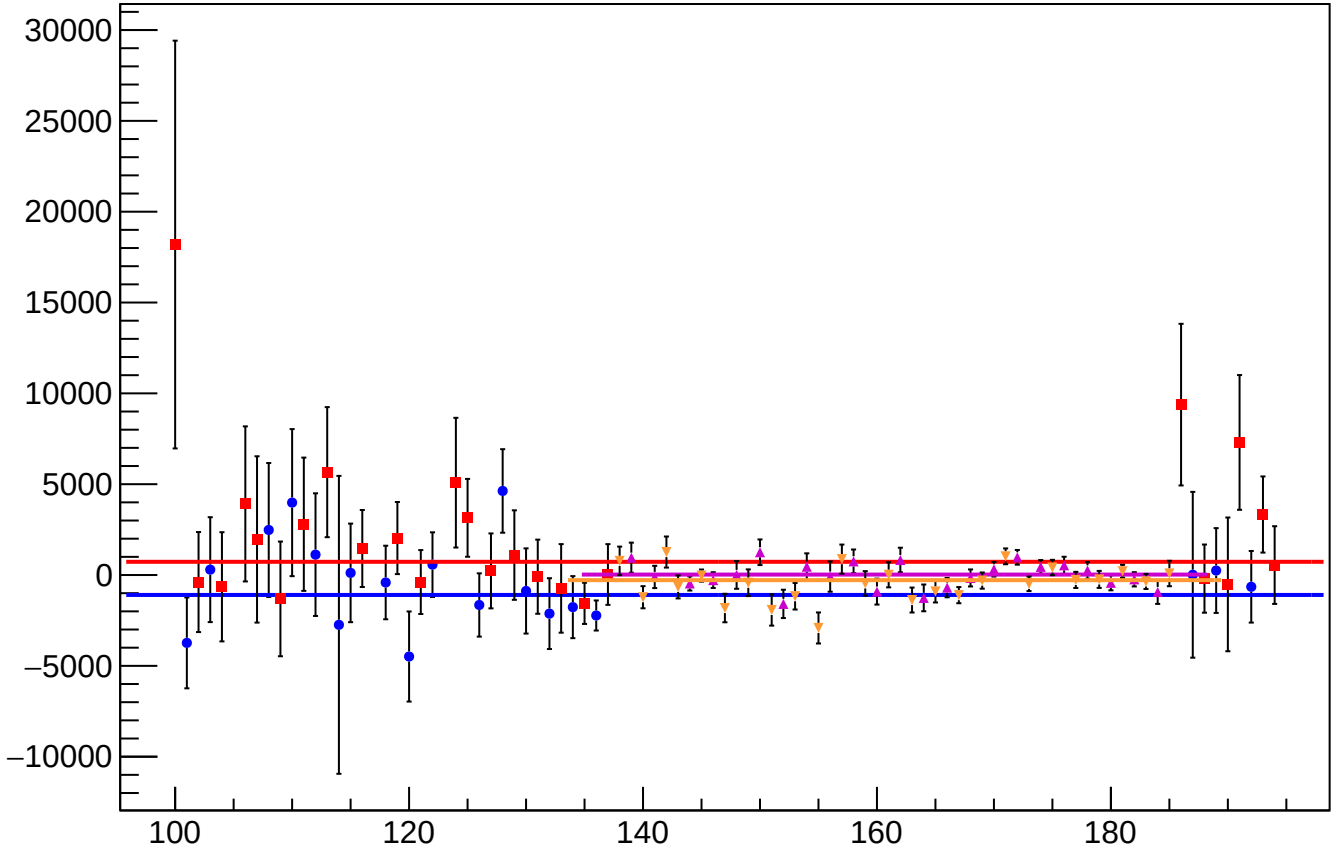
Right: 155.130+/-0.026 χ^2/NDF: 4531712.9/43

In: 105.509+/-0.015 χ^2/NDF:3997622.8/41

Out: 106.914+/-0.015 χ^2/NDF:6265216.8/49

All: 106.232+/-0.010 χ^2/NDF: 10267365.4/91

asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1096.363+/-464.714 χ^2/NDF: 16.4/18

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: 727.721+/-467.686 χ^2/NDF: 23.4/24

Left In: 24.625+/-108.884 χ^2/NDF:32.9/22

Left: -132.449+/-76.097 χ^2/NDF: 87.4/47

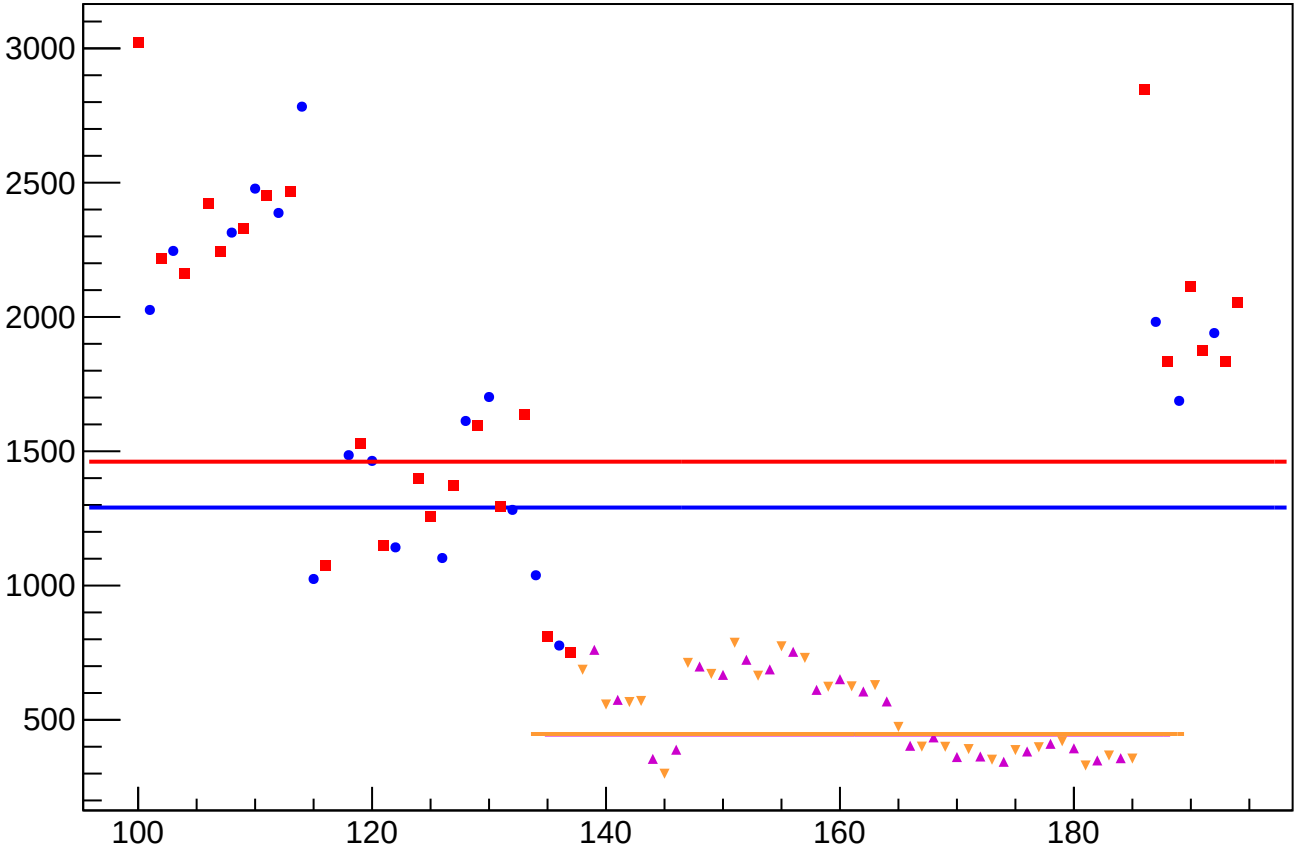
Right: -190.136+/-329.648 χ^2/NDF: 47.5/43

In: -33.712+/-106.013 χ^2/NDF:54.9/41

Out: -232.718+/-103.744 χ^2/NDF:78.3/49

All: -135.367+/-74.147 χ^2/NDF: 135.0/91

asym_sam_26_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1290.472+/-0.329 χ^2/NDF: 2316559.3/18

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1461.256+/-0.331 χ^2/NDF: 2692050.8/24

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

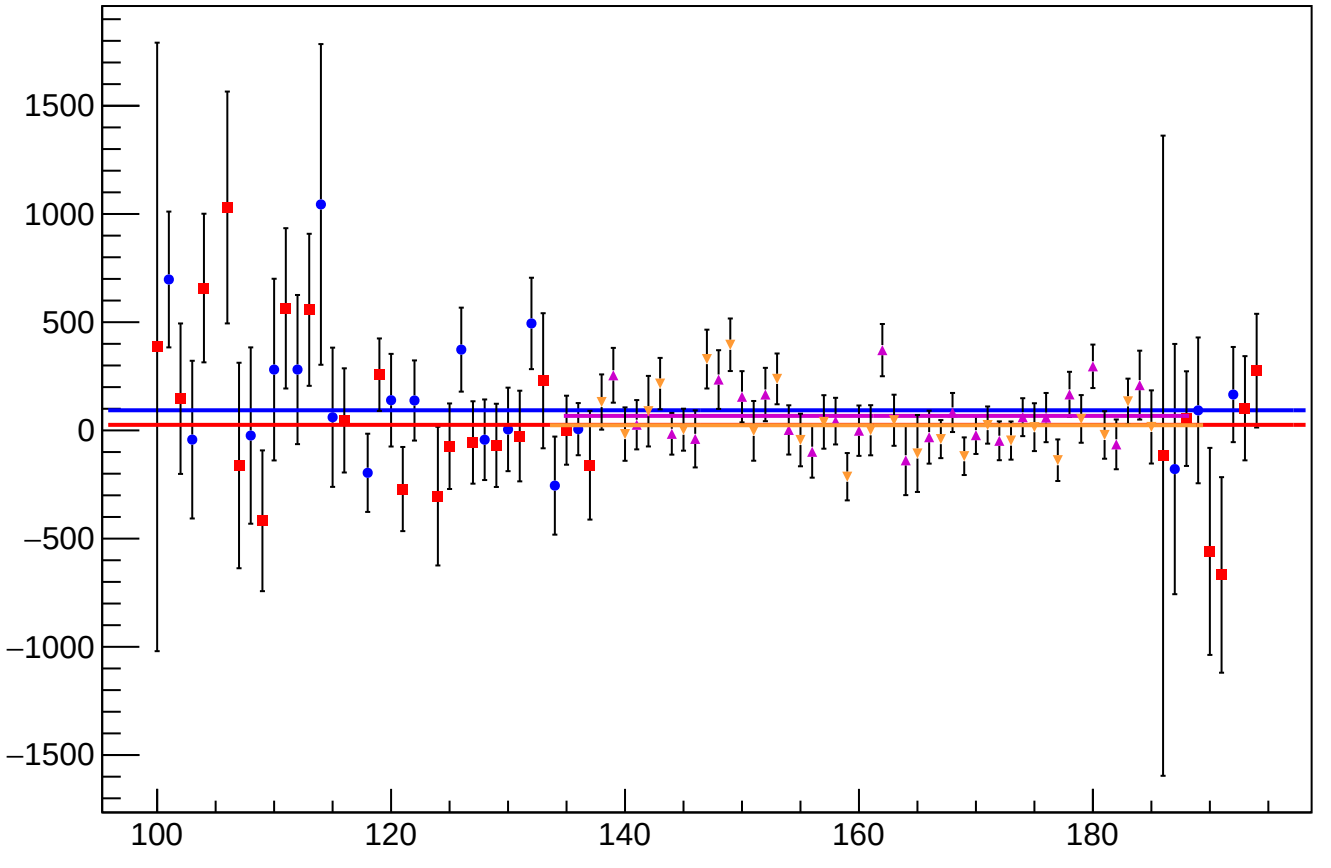
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1375.320+/-0.233 χ^2/NDF: 5142807.7/43

In: 489.465+/-0.075 χ^2/NDF:11298056.3/41

Out: 497.274+/-0.073 χ^2/NDF:14826436.8/49

All: 493.454+/-0.052 χ^2/NDF: 26130036.5/91



Right In: 93.026+/-52.972 χ^2/NDF: 18.4/18

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: 25.664+/-51.987 χ^2/NDF: 25.4/24

Left In: 67.085+/-23.121 χ^2/NDF:28.6/22

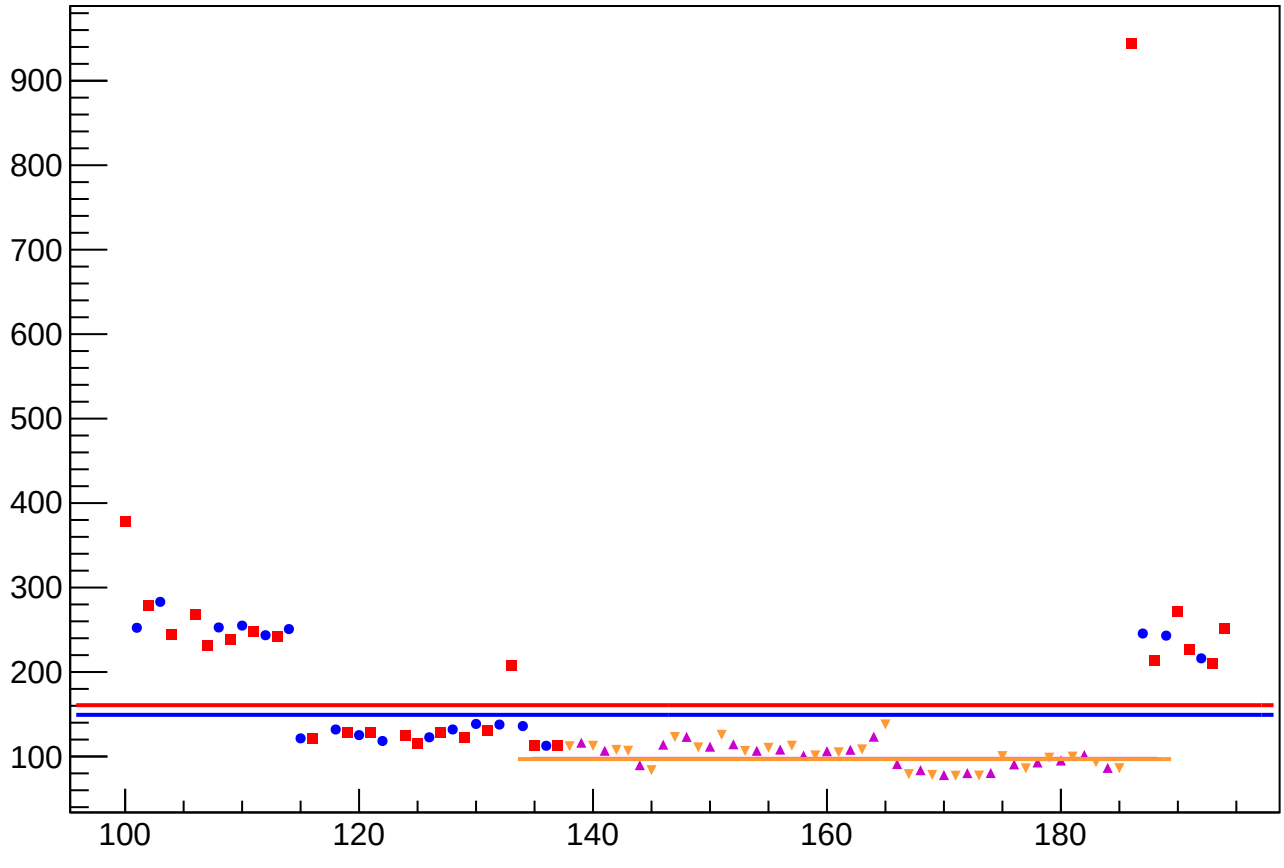
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: 58.714+/-37.104 χ^2/NDF: 44.7/43

In: 71.236+/-21.190 χ^2/NDF:47.3/41

Out: 24.153+/-20.583 χ^2/NDF:60.6/49

All: 47.010+/-14.764 χ^2/NDF: 110.4/91



Right In: 149.295+/-0.037 χ^2/NDF: 1696190.7/18

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

Right Out: 160.749+/-0.037 χ^2/NDF: 2787877.0/24

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

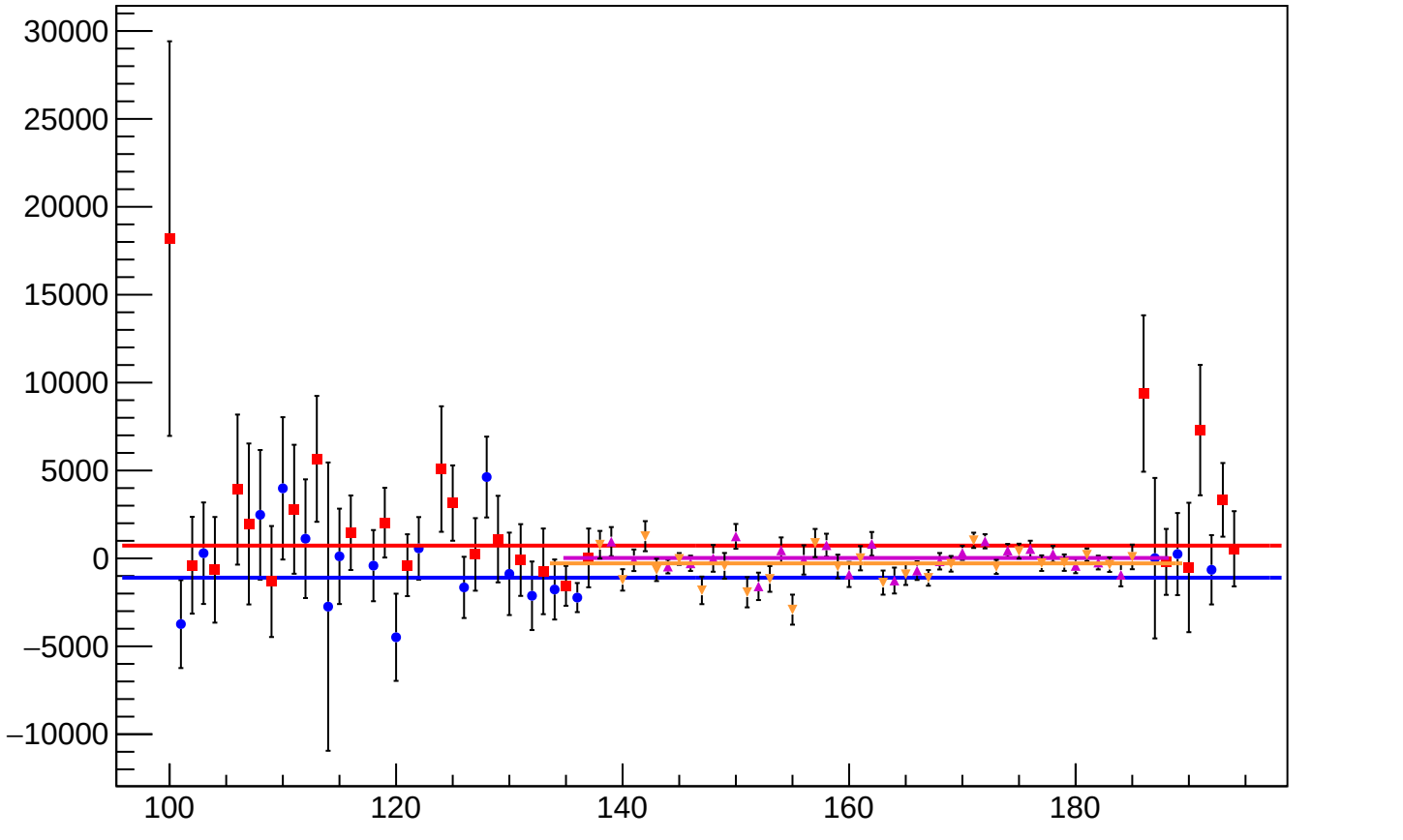
Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

Right: 155.129+/-0.026 χ^2/NDF: 4531704.3/43

In: 105.509+/-0.015 χ^2/NDF:3997553.4/41

Out: 106.915+/-0.015 χ^2/NDF:6265165.9/49

All: 106.232+/-0.010 χ^2/NDF: 10267244.6/91



Right In: -1096.360+/-464.713 χ^2/NDF: 16.4/18

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: 727.723+/-467.685 χ^2/NDF: 23.4/24

Left In: 24.626+/-108.884 χ^2/NDF:32.9/22

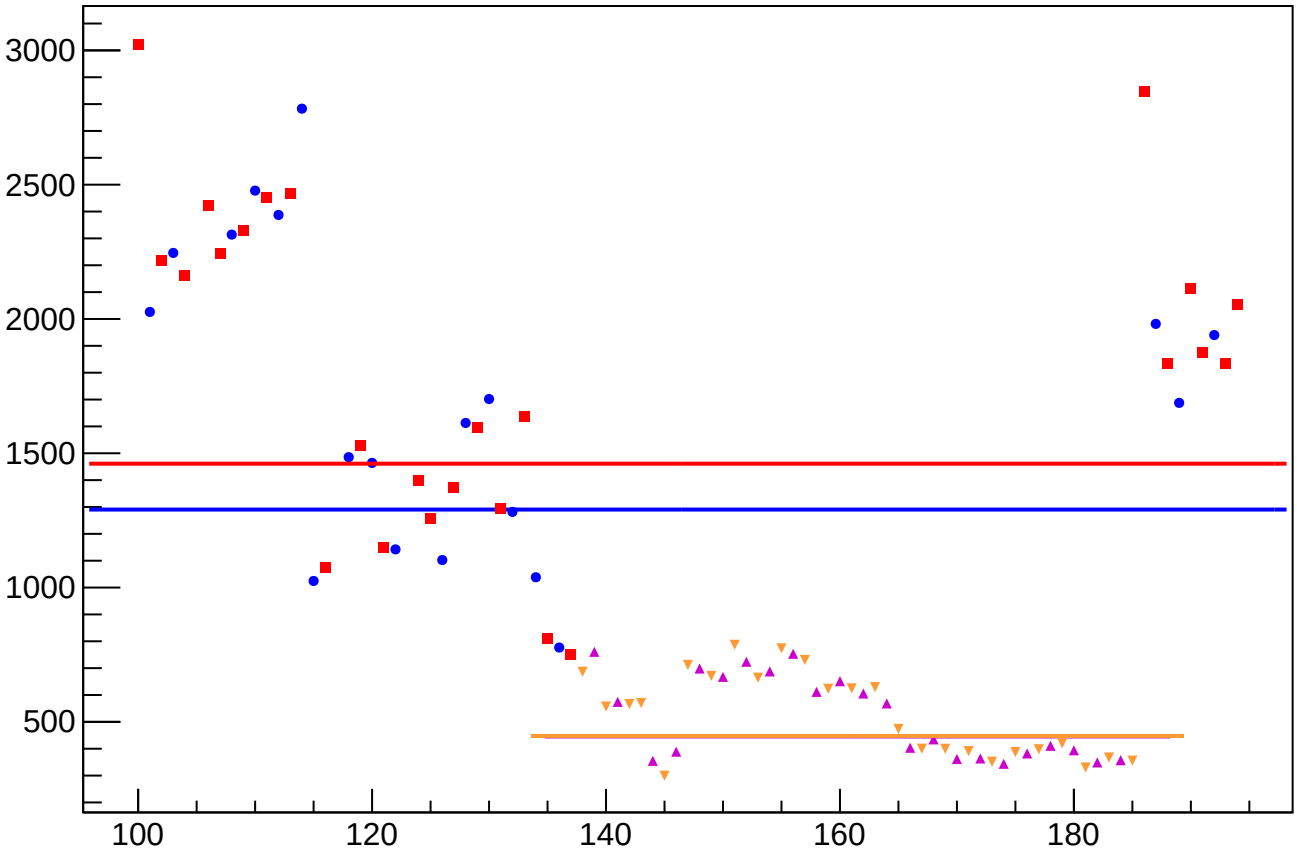
Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

Right: -190.133+/-329.648 χ^2/NDF: 47.5/43

In: -33.711+/-106.013 χ^2/NDF:54.9/41

Out: -232.717+/-103.743 χ^2/NDF:78.3/49

All: -135.366+/-74.147 χ^2/NDF: 135.0/91



Right In: 1290.472+/-0.329 χ^2/NDF: 2316539.8/18

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1461.255+/-0.331 χ^2/NDF: 2692036.5/24

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

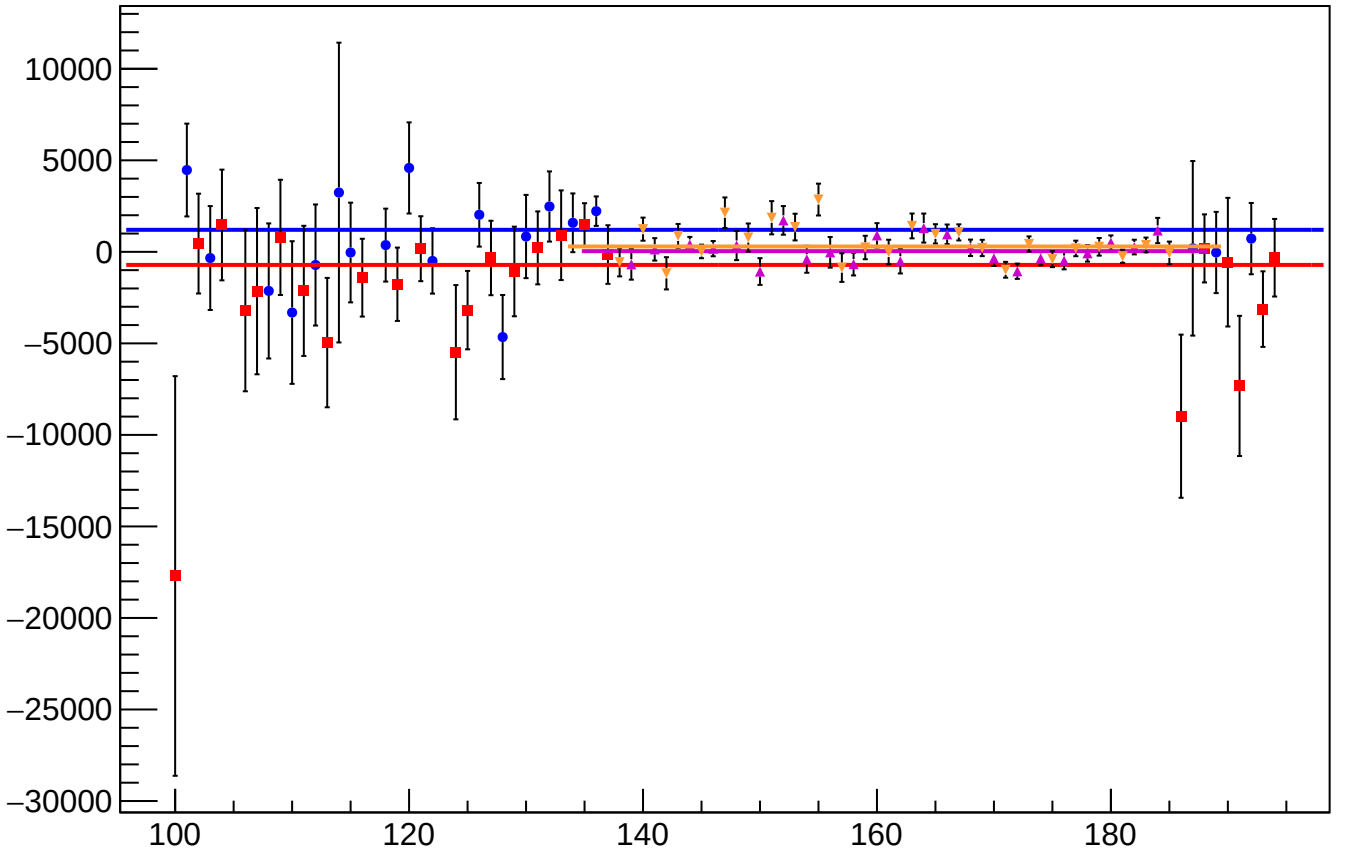
Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

Right: 1375.319+/-0.233 χ^2/NDF: 5142773.8/43

In: 489.464+/-0.075 χ^2/NDF:11298054.9/41

Out: 497.273+/-0.073 χ^2/NDF:14826454.6/49

All: 493.453+/-0.052 χ^2/NDF: 26130052.7/91



Right In: 1203.423+/-455.683 χ^2/NDF: 16.9/18

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: -713.550+/-467.223 χ^2/NDF: 21.4/24

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

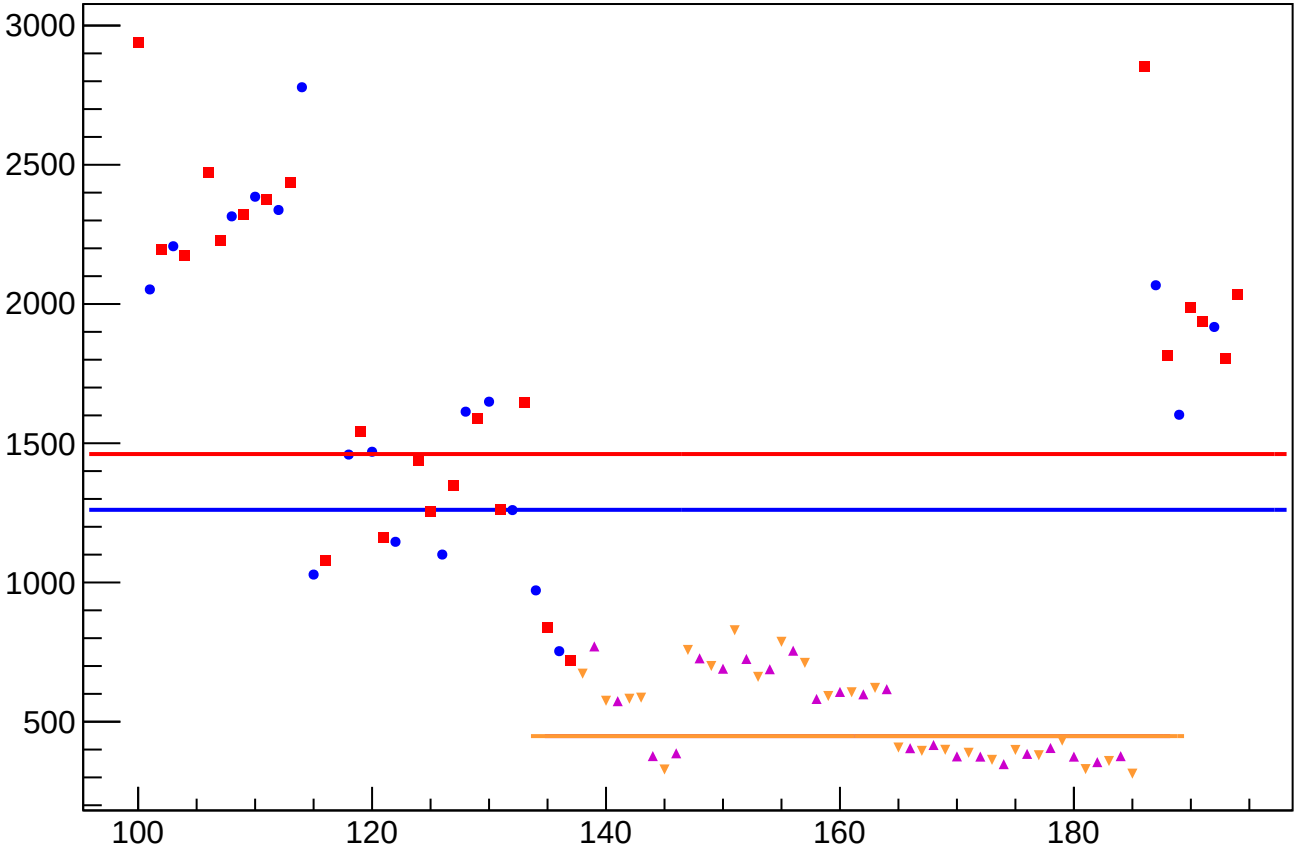
Right: 268.904+/-326.220 χ^2/NDF: 47.0/43

In: 101.520+/-106.300 χ^2/NDF:56.0/41

Out: 244.917+/-104.124 χ^2/NDF:76.4/49

All: 174.701+/-74.384 χ^2/NDF: 133.3/91

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1260.911+/-0.322 χ^2/NDF: 2399480.7/18

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1461.211+/-0.330 χ^2/NDF: 2611187.7/24

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

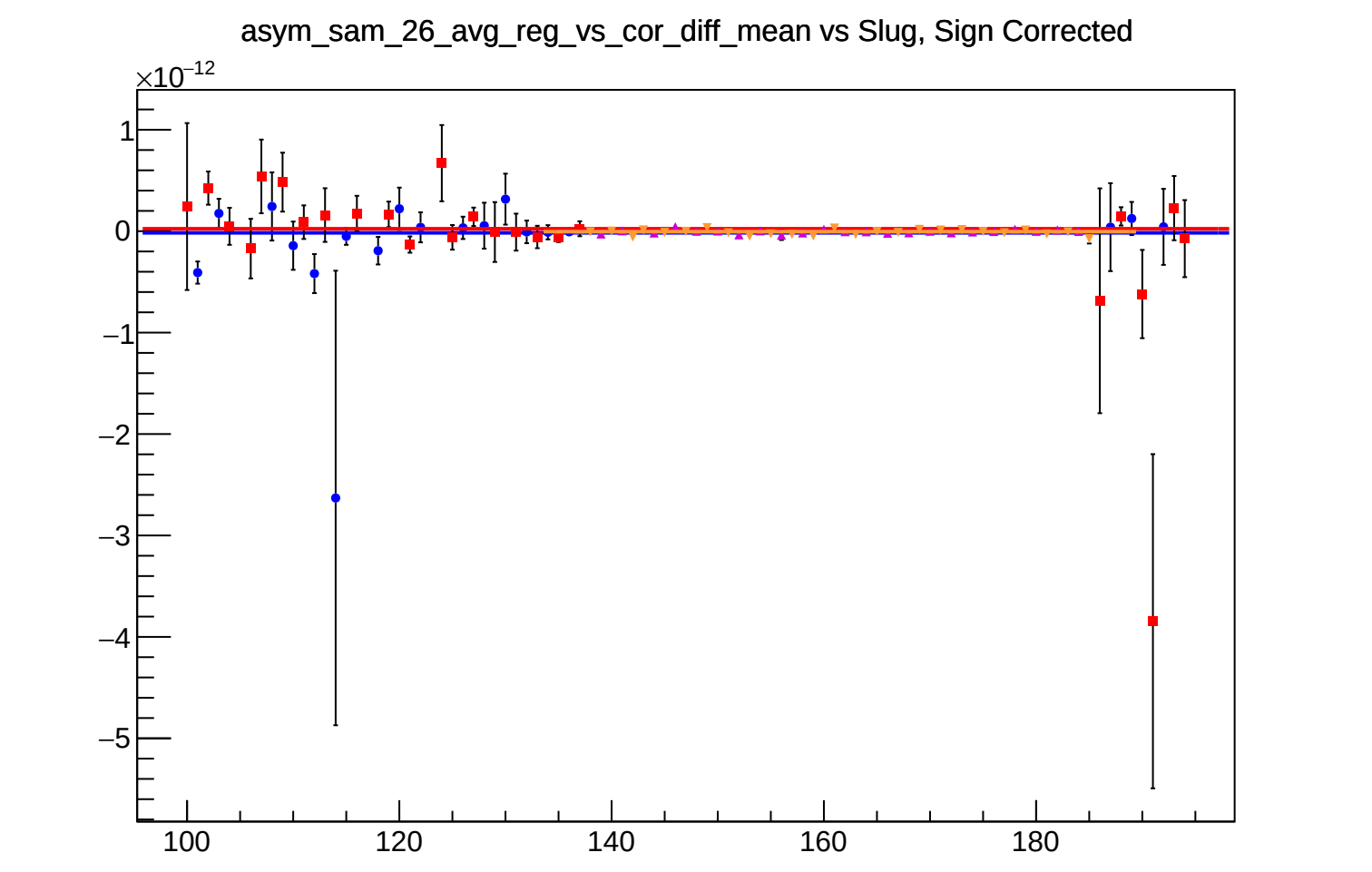
Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

Right: 1358.556+/-0.231 χ^2/NDF: 5199050.2/43

In: 492.612+/-0.075 χ^2/NDF:11032881.9/41

Out: 498.585+/-0.074 χ^2/NDF:14701531.1/49

All: 495.660+/-0.053 χ^2/NDF: 25737636.2/91



Right In: -0.000+/-0.000 χ^2/NDF: 27.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.1/24

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

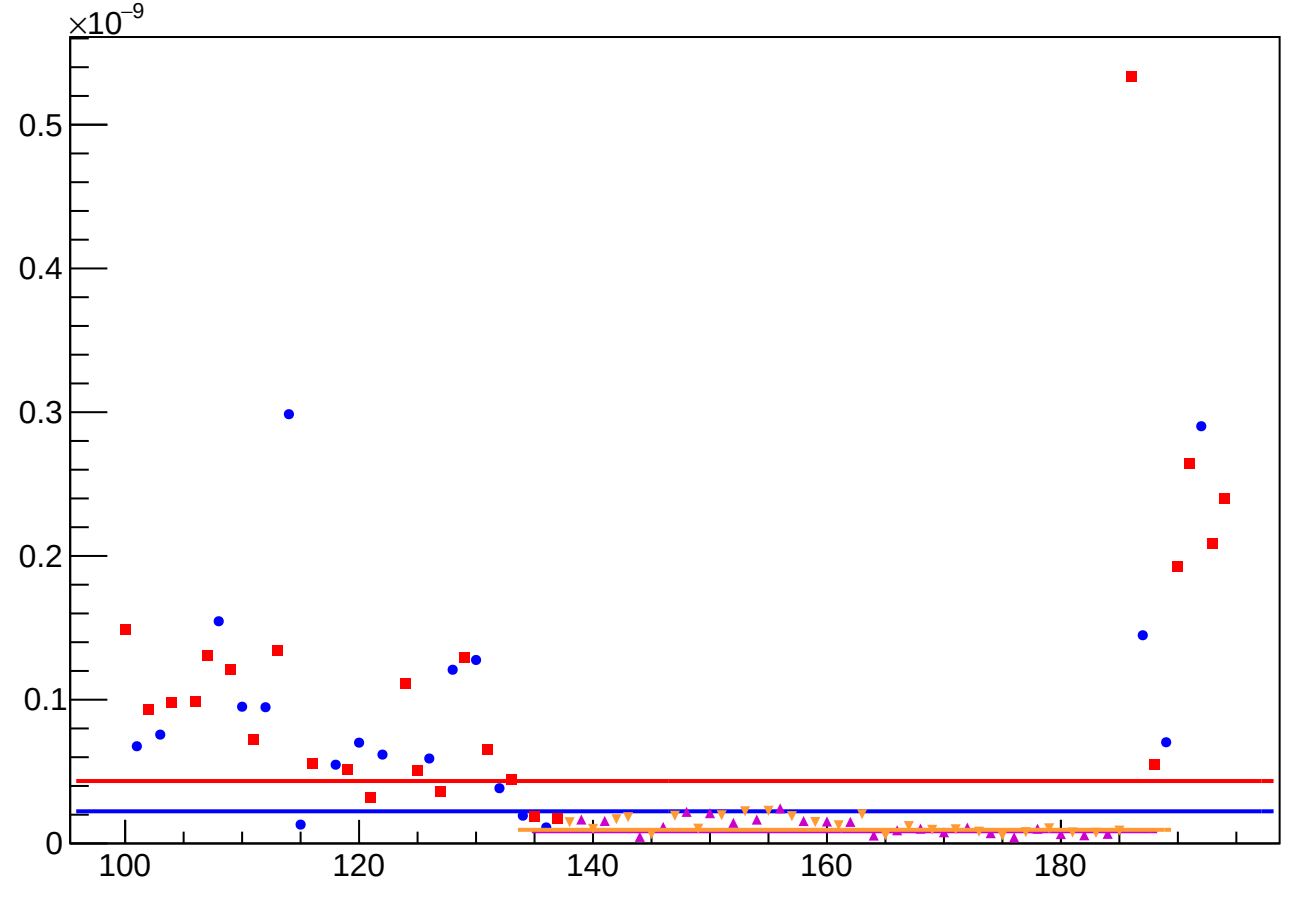
Left: -0.000+/-0.000 χ^2/NDF: 39.9/47

Right: -0.000+/-0.000 χ^2/NDF: 65.3/43

In: -0.000+/-0.000 χ^2/NDF:44.8/41

Out: -0.000+/-0.000 χ^2/NDF:60.4/49

All: -0.000+/-0.000 χ^2/NDF: 105.2/91



Right In: 0.000+/-0.000 χ^2/NDF: 4747756.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3900570.7/24

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

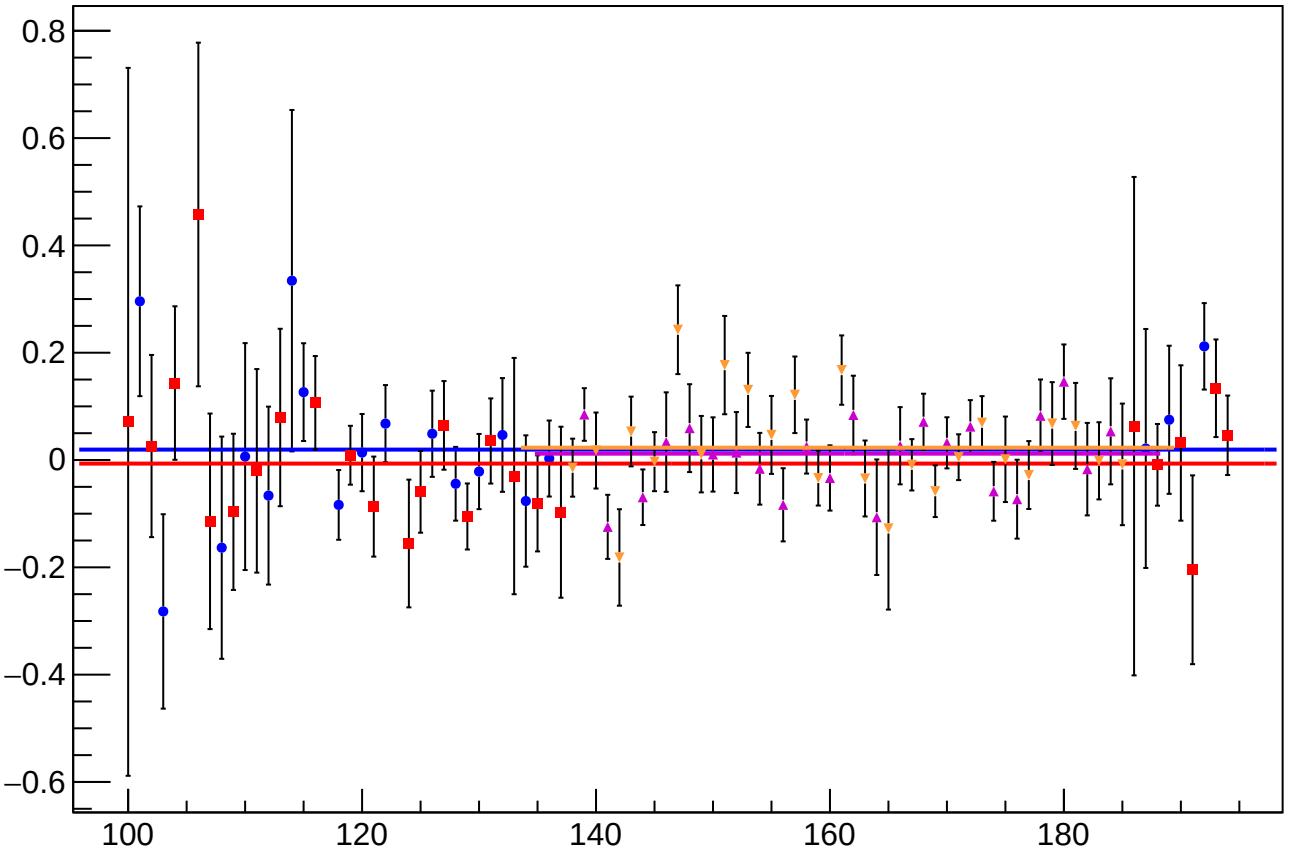
Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

Right: 0.000+/-0.000 χ^2/NDF: 9538155.2/43

In: 0.000+/-0.000 χ^2/NDF:8670343.3/41

Out: 0.000+/-0.000 χ^2/NDF:9613314.5/49

All: 0.000+/-0.000 χ^2/NDF: 18375979.5/91



Right In: 0.019+/-0.022 χ^2/NDF: 19.5/18

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.007+/-0.021 χ^2/NDF: 17.6/24

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

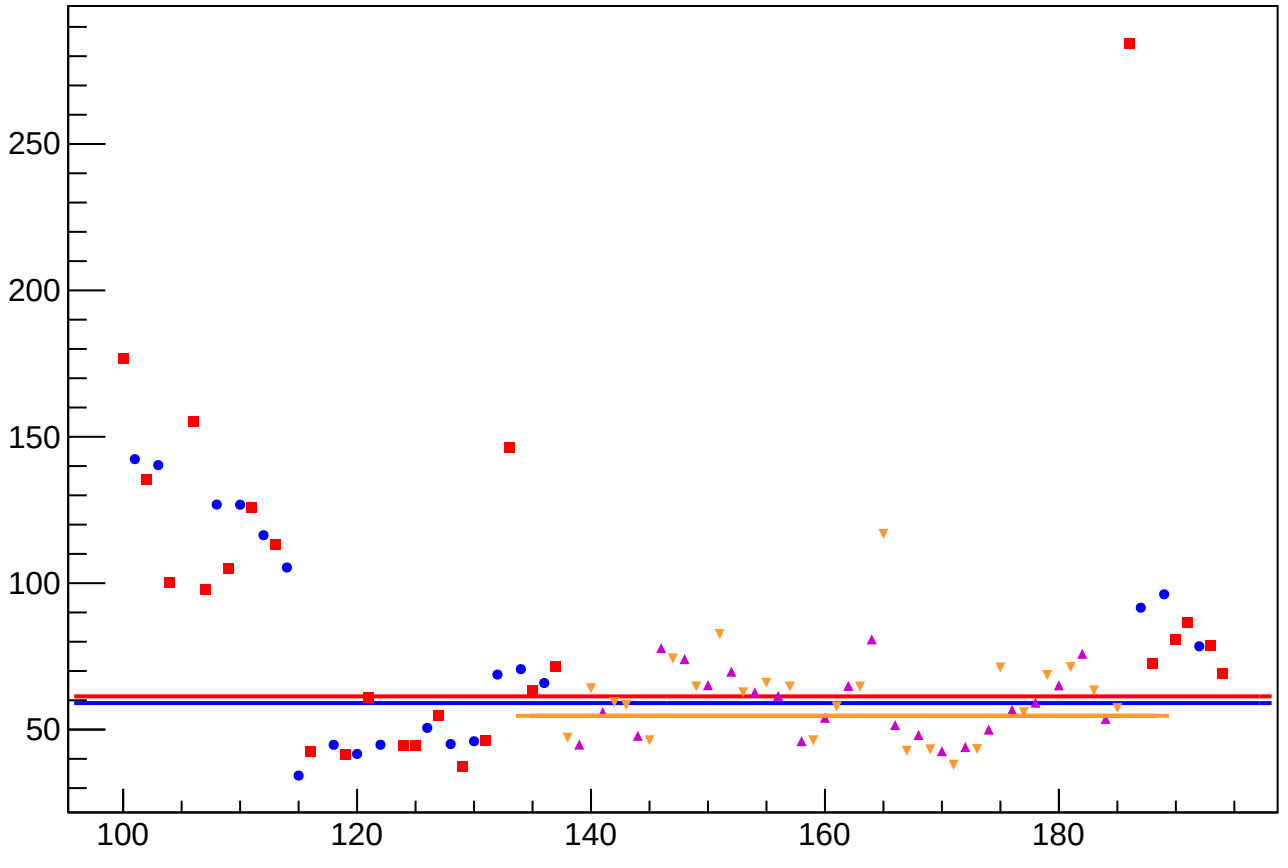
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: 0.005+/-0.015 χ^2/NDF: 37.9/43

In: 0.014+/-0.011 χ^2/NDF:45.5/41

Out: 0.015+/-0.011 χ^2/NDF:53.3/49

All: 0.014+/-0.008 χ^2/NDF: 98.8/91



Right In: 59.038+/-0.016 χ^2/NDF: 2518067.5/18

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 61.332+/-0.015 χ^2/NDF: 3305895.2/24

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

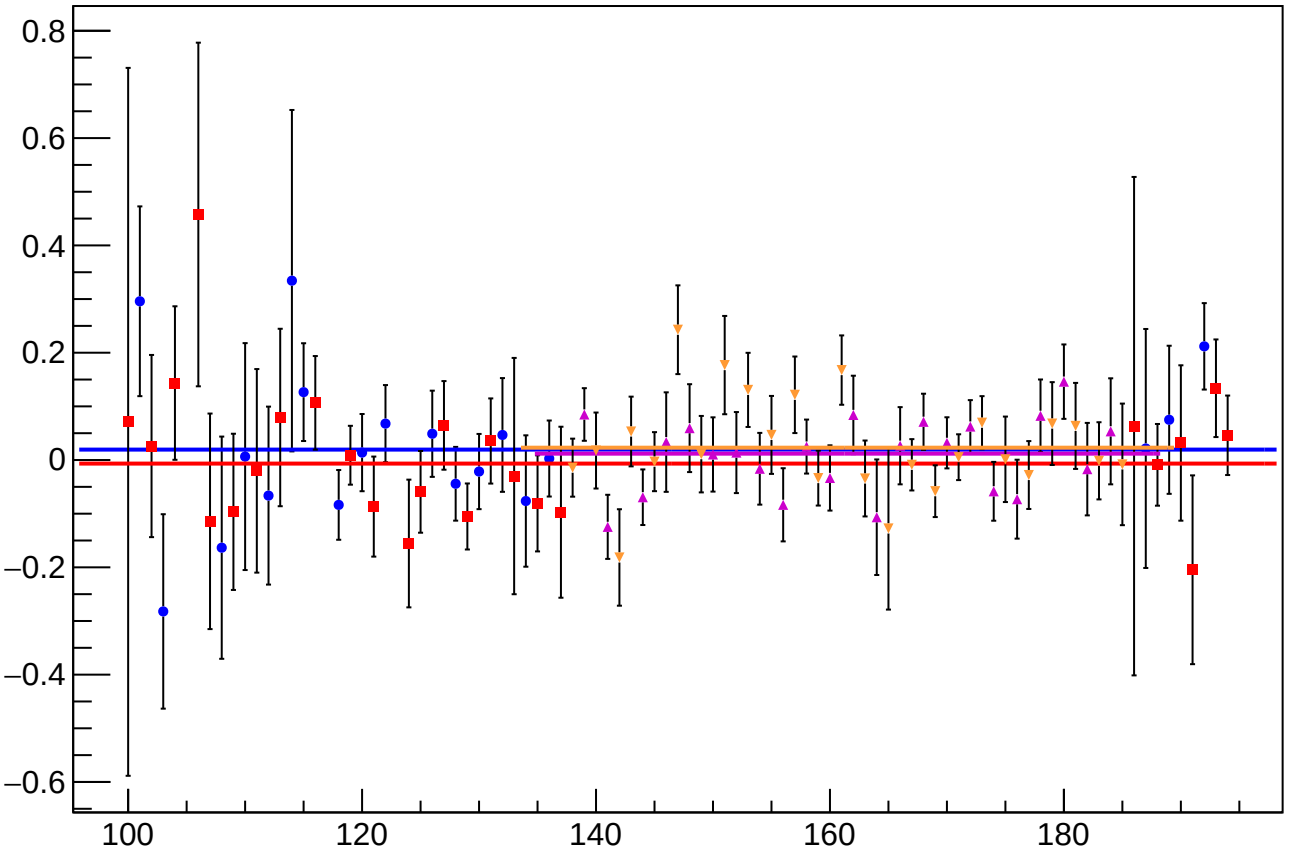
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 60.268+/-0.011 χ^2/NDF: 5835527.3/43

In: 55.841+/-0.008 χ^2/NDF:3765897.4/41

Out: 56.571+/-0.008 χ^2/NDF:5392344.9/49

All: 56.220+/-0.006 χ^2/NDF: 9162528.9/91



Right In: 0.019+/-0.022 χ^2/NDF: 19.5/18

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.007+/-0.021 χ^2/NDF: 17.6/24

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

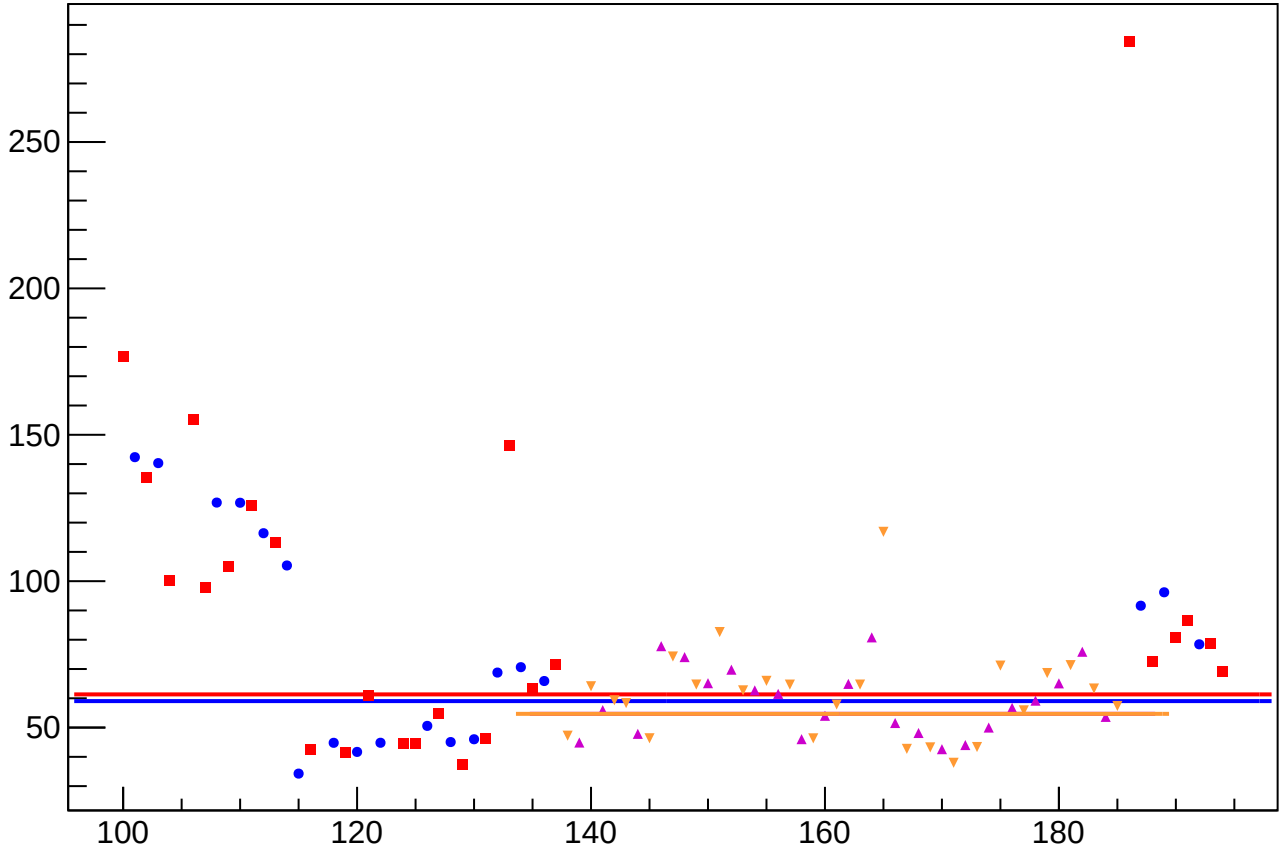
Right: 0.005+/-0.015 χ^2/NDF: 37.9/43

In: 0.014+/-0.011 χ^2/NDF:45.5/41

Out: 0.015+/-0.011 χ^2/NDF:53.3/49

All: 0.014+/-0.008 χ^2/NDF: 98.8/91

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.038+/-0.016 χ^2/NDF: 2518067.5/18

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 61.332+/-0.015 χ^2/NDF: 3305895.2/24

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

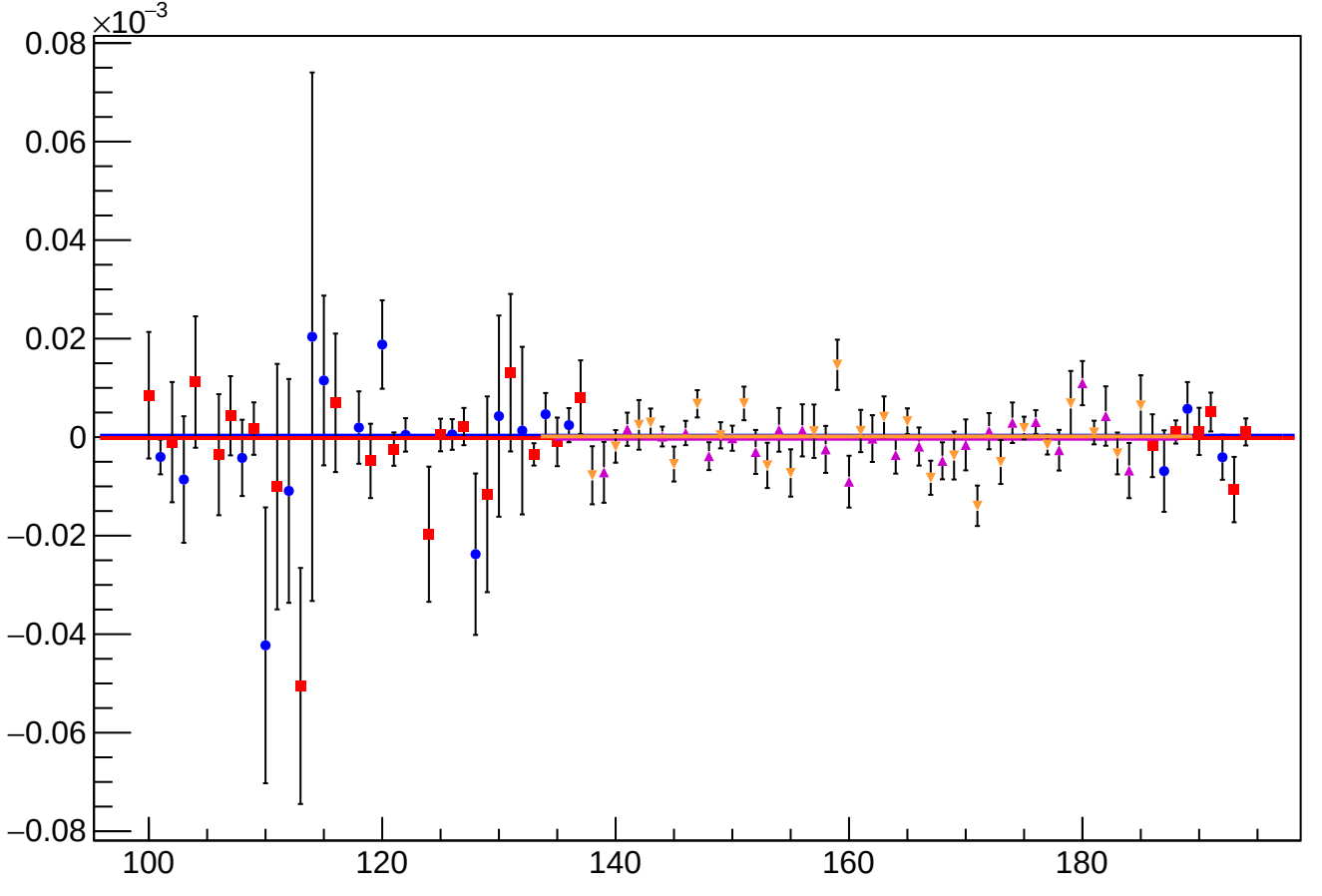
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 60.268+/-0.011 χ^2/NDF: 5835527.3/43

In: 55.841+/-0.008 χ^2/NDF:3765897.4/41

Out: 56.571+/-0.008 χ^2/NDF:5392344.9/49

All: 56.220+/-0.006 χ^2/NDF: 9162528.9/91



Right In: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/24

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

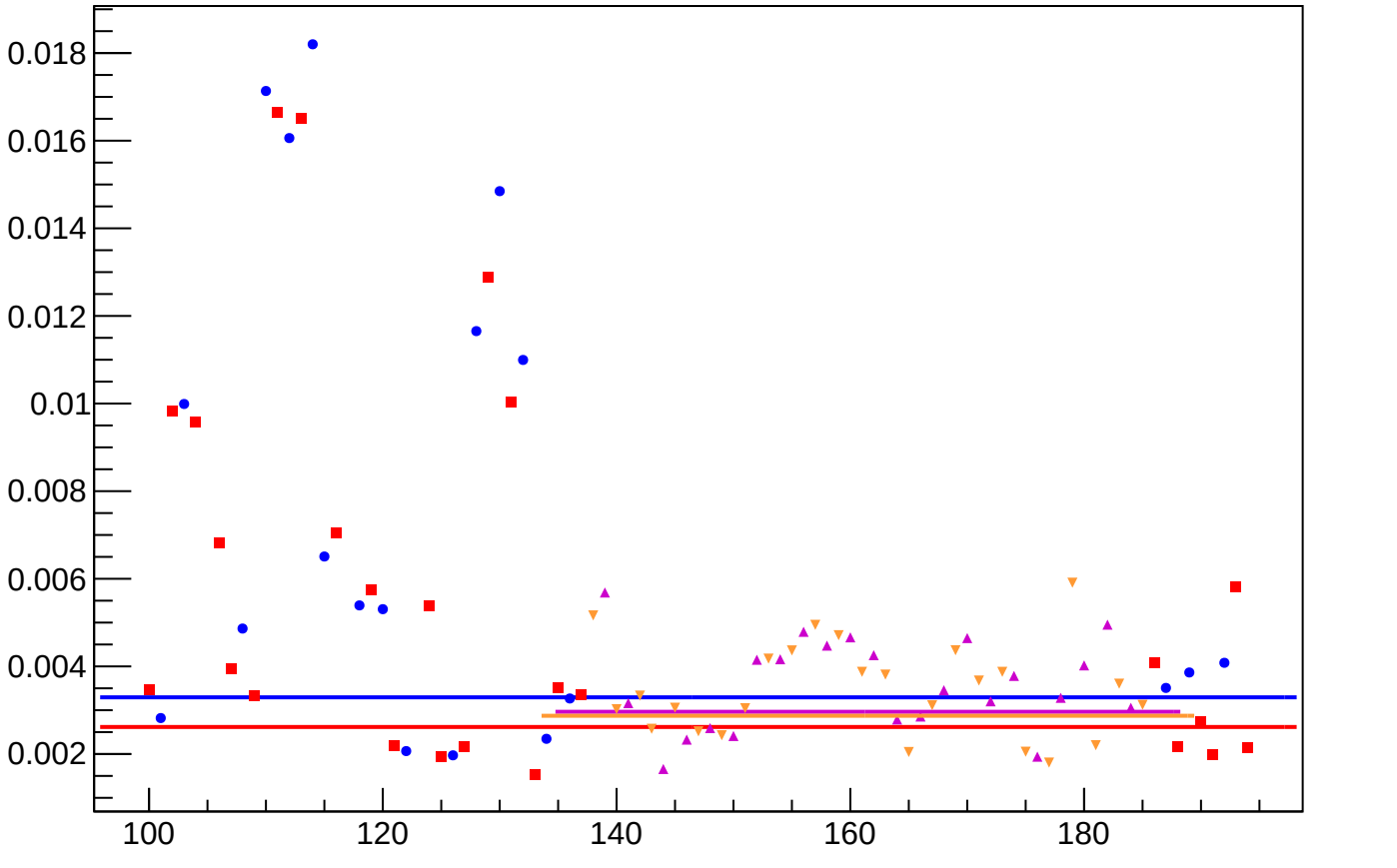
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

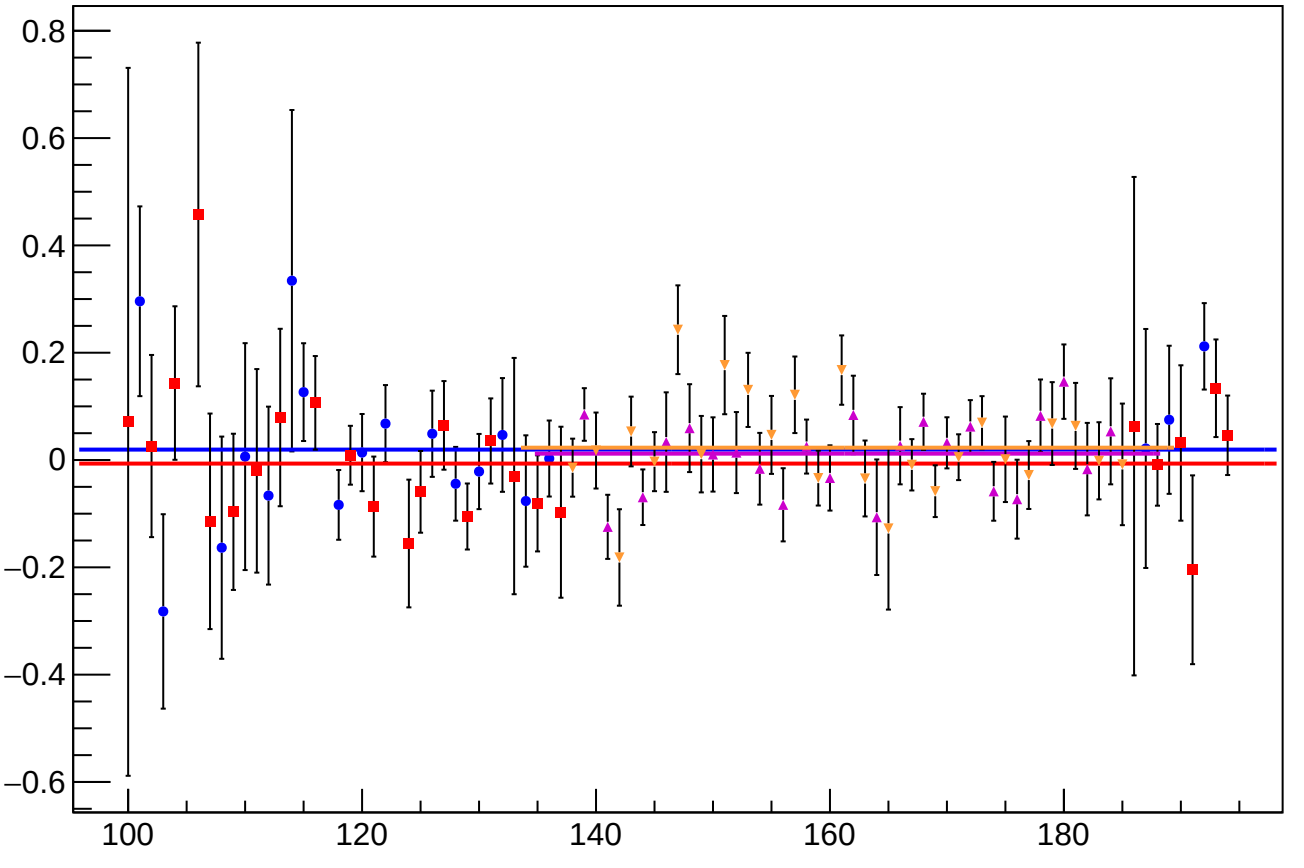
Right: -0.000+/-0.000 χ^2/NDF: 35.2/43

In: -0.000+/-0.000 χ^2/NDF:36.9/41

Out: 0.000+/-0.000 χ^2/NDF:72.9/49

All: -0.000+/-0.000 χ^2/NDF: 109.8/91


asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
Right In: 0.003+/-0.000 χ²/NDF: 4643216.0/18
Left Out: 0.003+/-0.000 χ²/NDF:3602368.5/24
Right Out: 0.003+/-0.000 χ²/NDF: 5913979.4/24
Left In: 0.003+/-0.000 χ²/NDF:3619016.3/22
Left: 0.003+/-0.000 χ²/NDF: 7237301.1/47
Right: 0.003+/-0.000 χ²/NDF: 10900971.3/43
In: 0.003+/-0.000 χ²/NDF:8356860.9/41
Out: 0.003+/-0.000 χ²/NDF:9609728.3/49
All: 0.003+/-0.000 χ²/NDF: 18147573.2/91



Right In: 0.019+/-0.022 χ^2/NDF: 19.5/18

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.007+/-0.021 χ^2/NDF: 17.6/24

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

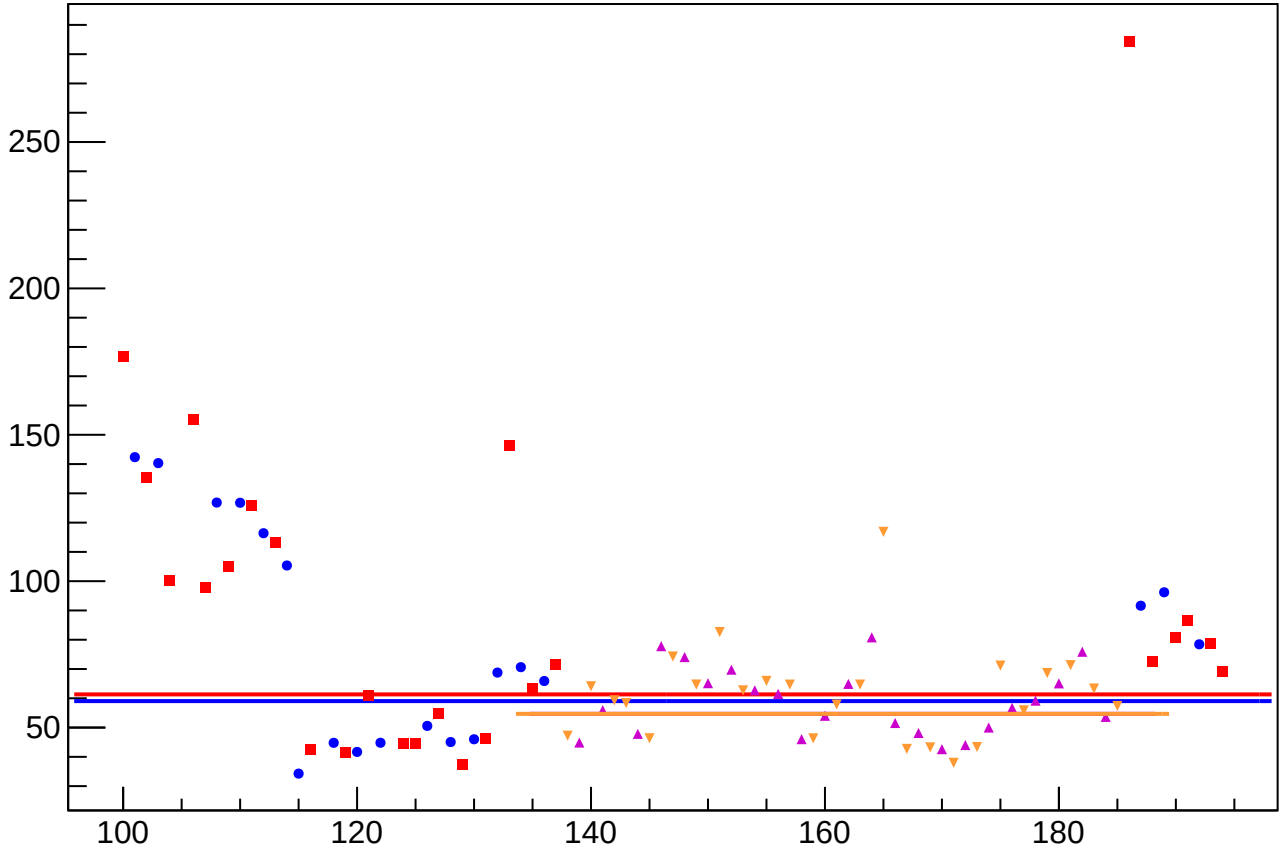
Right: 0.005+/-0.015 χ^2/NDF: 37.9/43

In: 0.014+/-0.011 χ^2/NDF:45.5/41

Out: 0.015+/-0.011 χ^2/NDF:53.3/49

All: 0.014+/-0.008 χ^2/NDF: 98.8/91

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.038+/-0.016 χ^2/NDF: 2518027.3/18

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 61.332+/-0.015 χ^2/NDF: 3305864.0/24

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

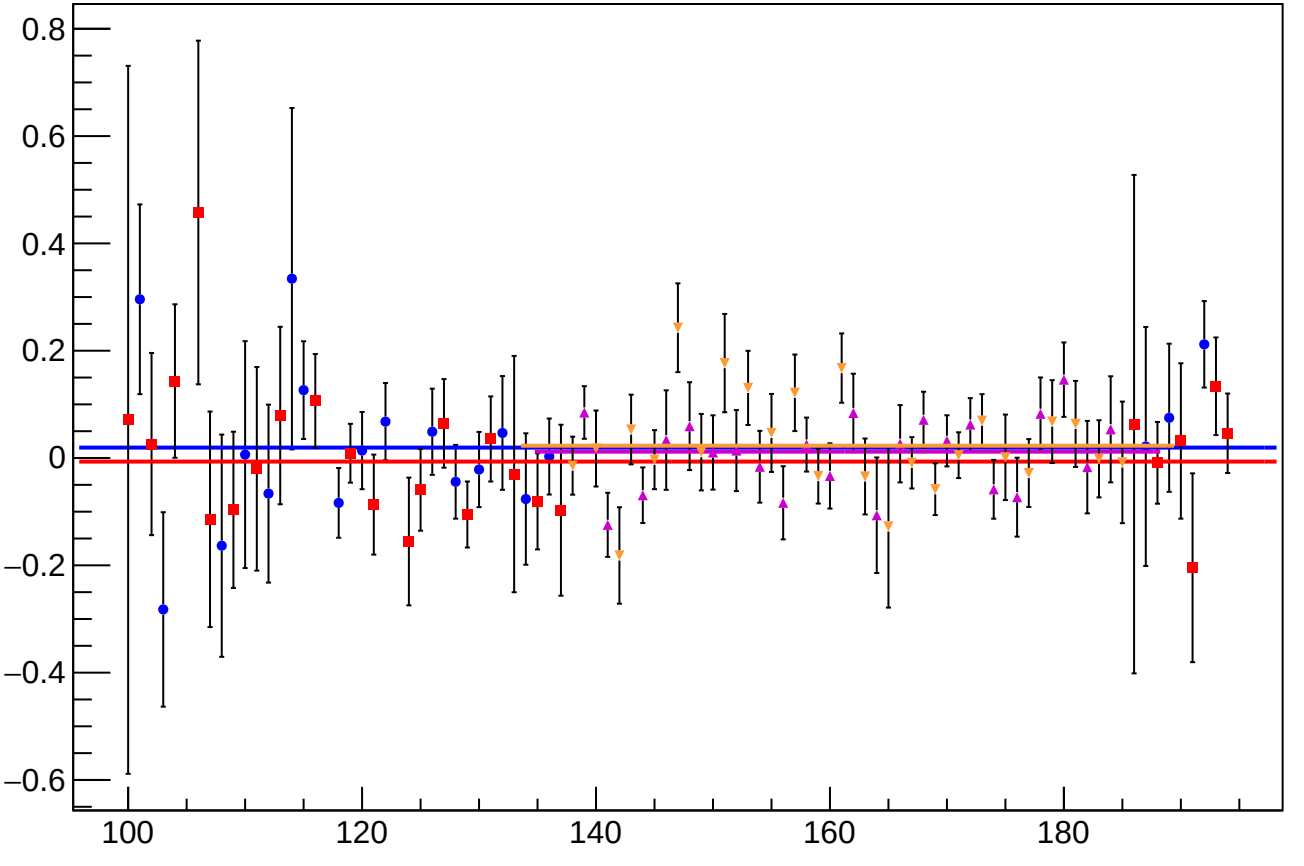
Right: 60.267+/-0.011 χ^2/NDF: 5835455.0/43

In: 55.841+/-0.008 χ^2/NDF:3765802.8/41

Out: 56.571+/-0.008 χ^2/NDF:5392271.2/49

All: 56.220+/-0.006 χ^2/NDF: 9162358.9/91

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.022 χ^2/NDF: 19.5/18

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.007+/-0.021 χ^2/NDF: 17.6/24

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

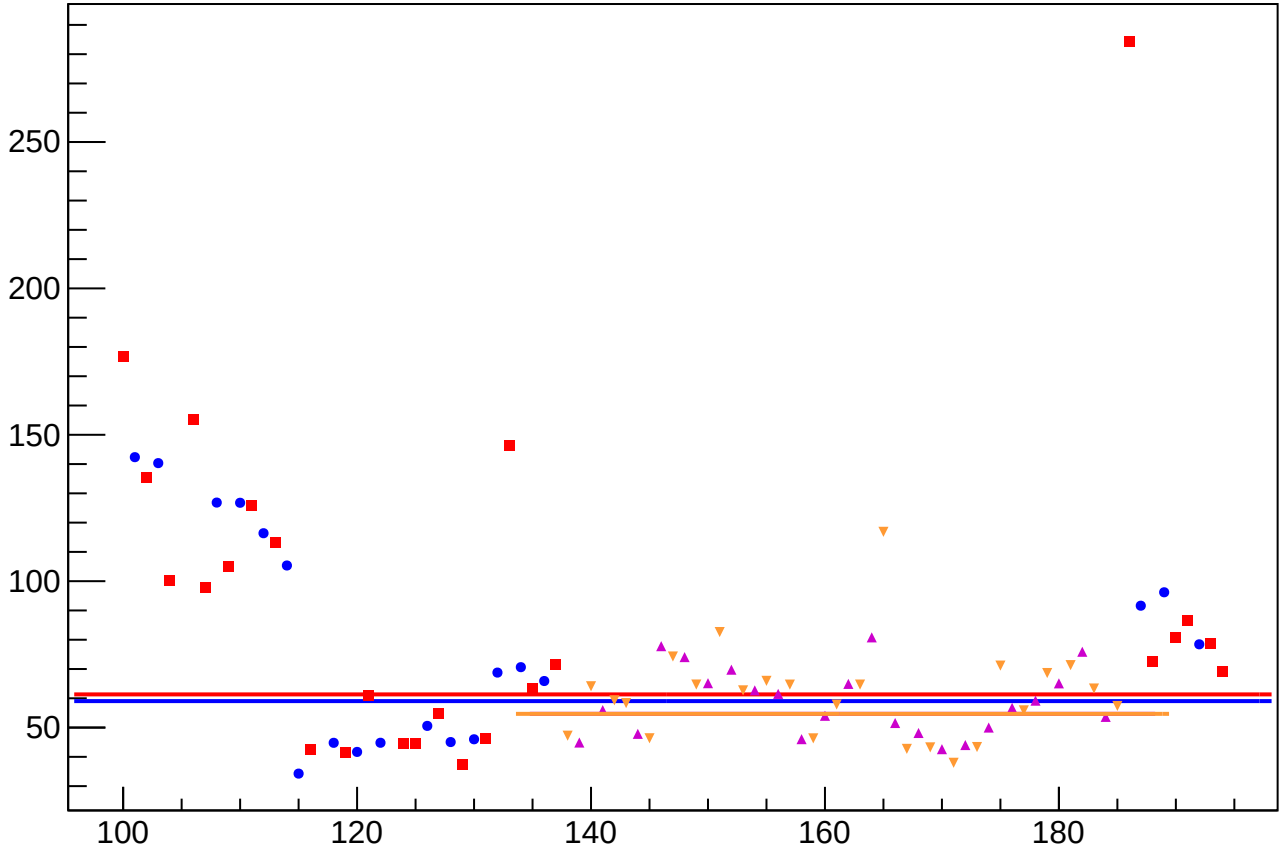
Right: 0.005+/-0.015 χ^2/NDF: 37.9/43

In: 0.014+/-0.011 χ^2/NDF:45.5/41

Out: 0.015+/-0.011 χ^2/NDF:53.3/49

All: 0.014+/-0.008 χ^2/NDF: 98.8/91

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.038+/-0.016 χ^2/NDF: 2518027.3/18

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 61.332+/-0.015 χ^2/NDF: 3305864.0/24

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

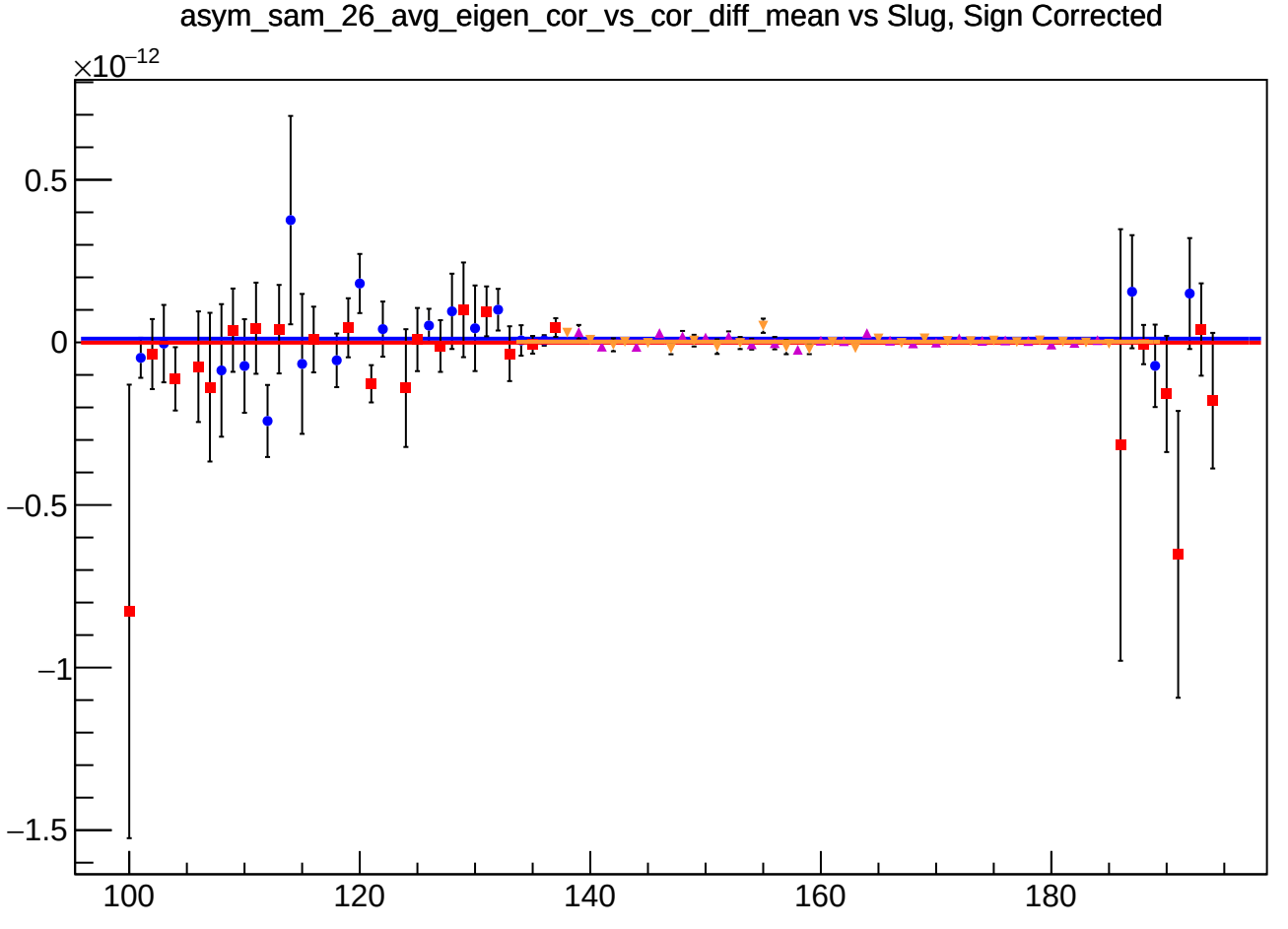
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 60.267+/-0.011 χ^2/NDF: 5835455.0/43

In: 55.841+/-0.008 χ^2/NDF:3765802.8/41

Out: 56.571+/-0.008 χ^2/NDF:5392271.2/49

All: 56.220+/-0.006 χ^2/NDF: 9162358.9/91



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/24

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

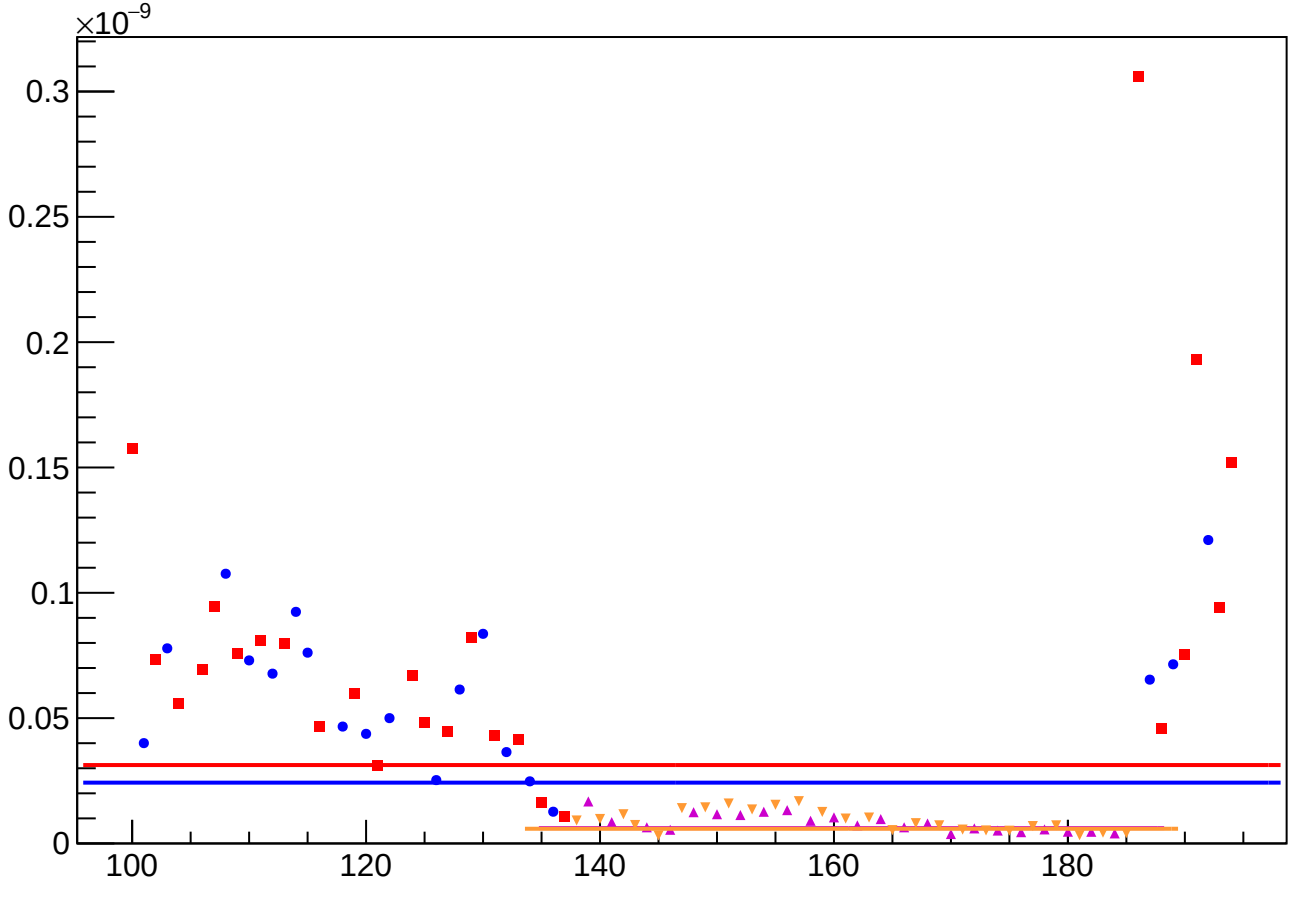
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 36.1/43

In: 0.000+/-0.000 χ^2/NDF:51.0/41

Out: 0.000+/-0.000 χ^2/NDF:39.1/49

All: 0.000+/-0.000 χ^2/NDF: 90.2/91



Right In: 0.000+/-0.000 χ^2/NDF: 4784545.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5810148.3/24

Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

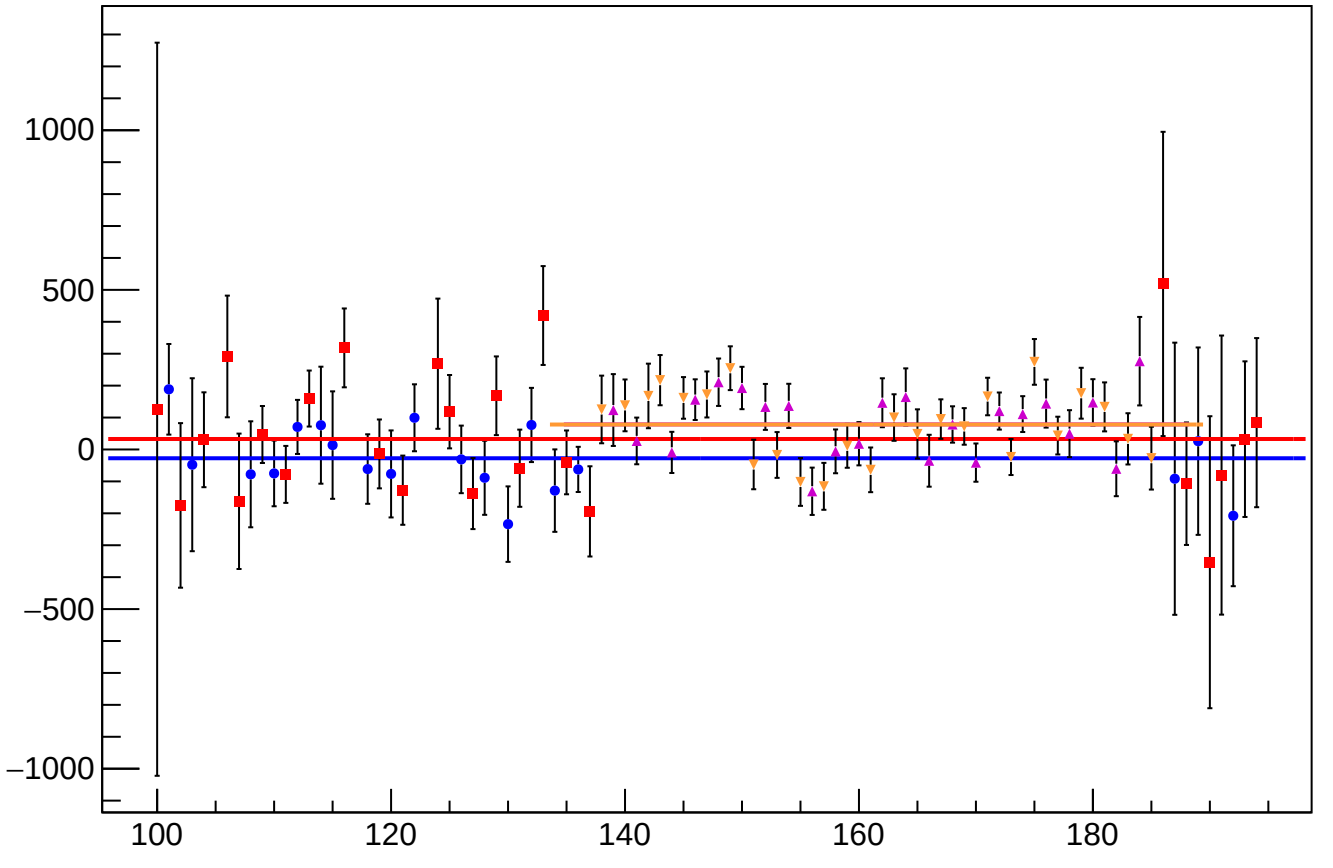
Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

Right: 0.000+/-0.000 χ^2/NDF: 10851051.1/43

In: 0.000+/-0.000 χ^2/NDF:12006608.4/41

Out: 0.000+/-0.000 χ^2/NDF:17135058.8/49

All: 0.000+/-0.000 χ^2/NDF: 29162457.8/91



Right In: -27.501+/-28.468 χ^2/NDF: 11.7/18

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: 32.843+/-27.653 χ^2/NDF: 32.5/24

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

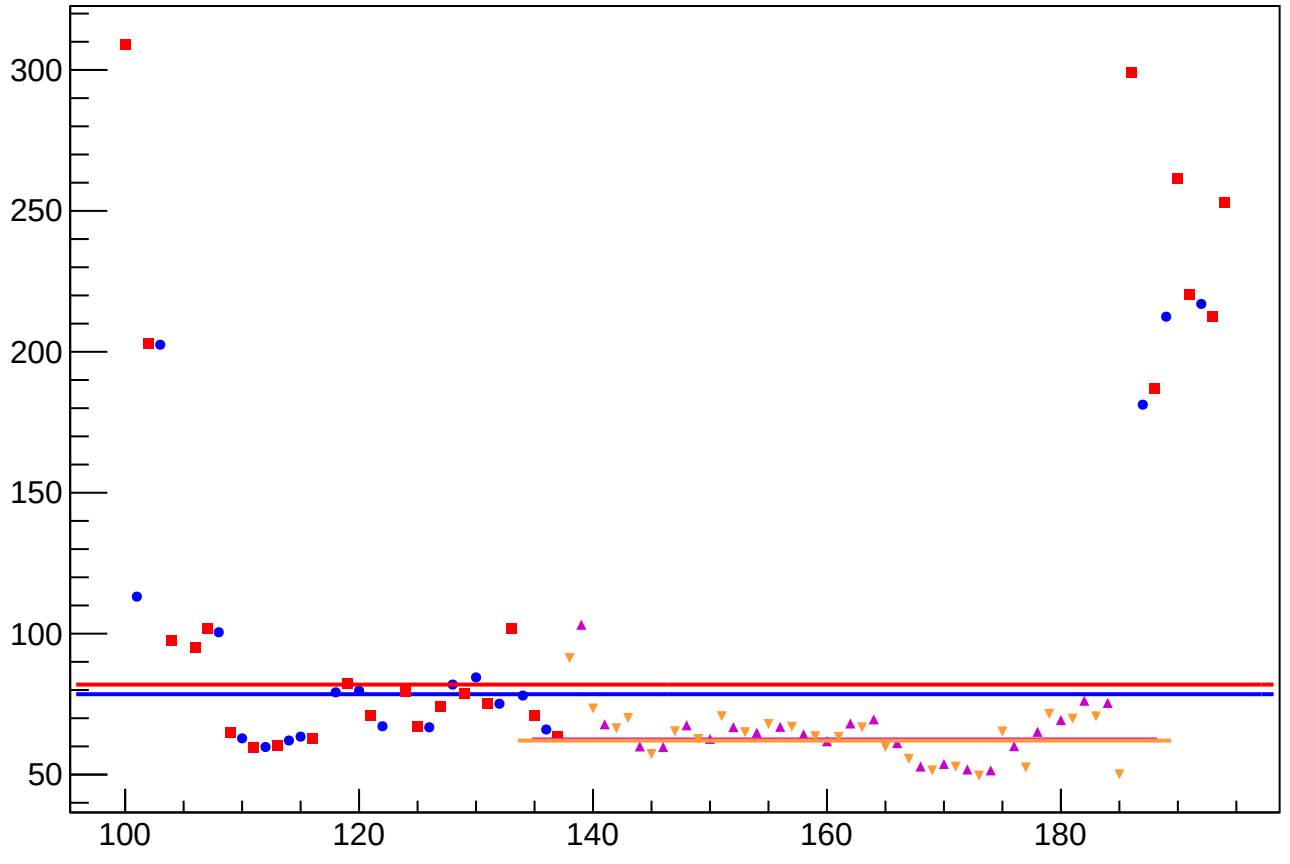
Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

Right: 3.547+/-19.835 χ^2/NDF: 46.5/43

In: 55.924+/-13.139 χ^2/NDF:59.3/41

Out: 68.570+/-12.720 χ^2/NDF:88.5/49

All: 62.452+/-9.139 χ^2/NDF: 148.3/91



Right In: 78.519+/-0.020 χ^2/NDF: 2189064.8/18

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 81.934+/-0.020 χ^2/NDF: 4026647.0/24

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

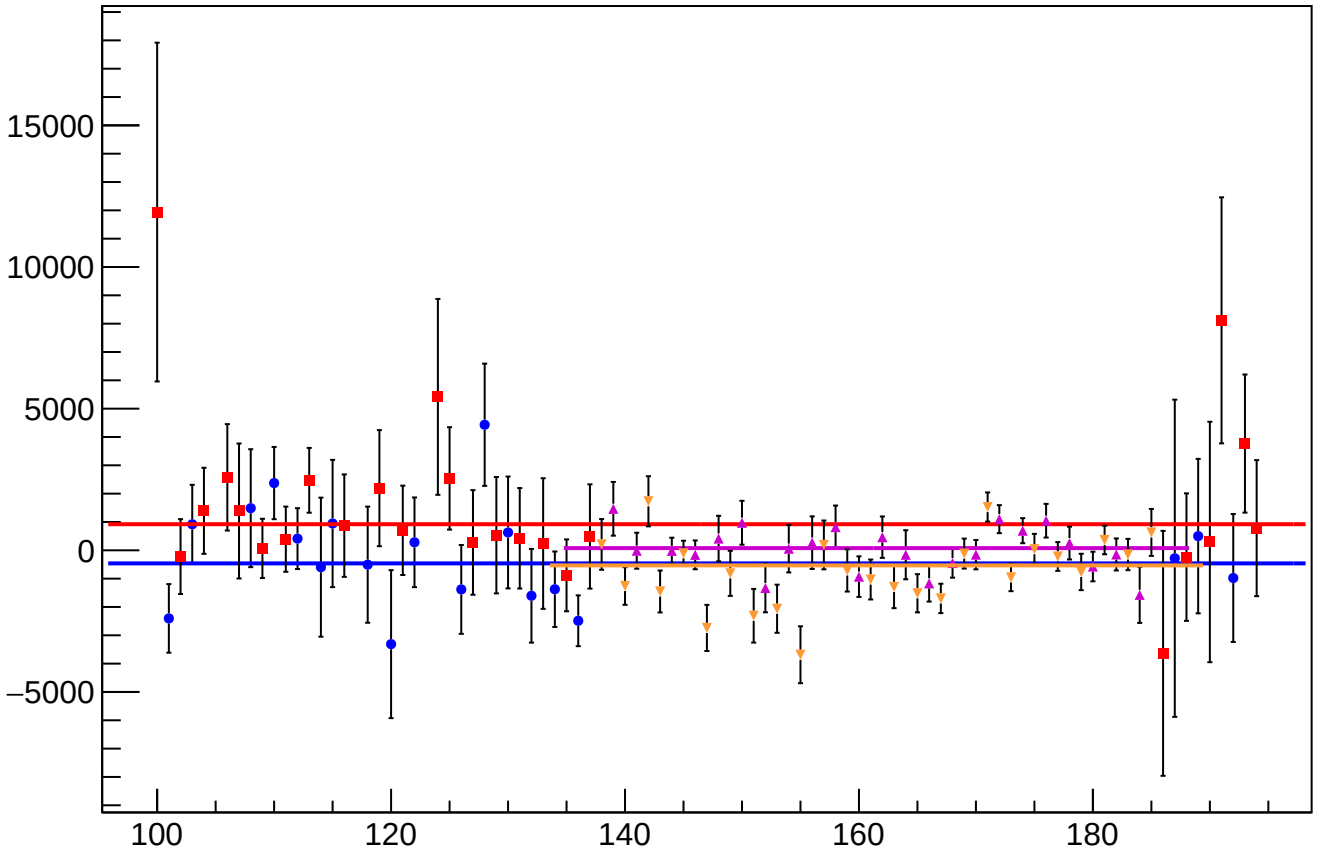
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 80.276+/-0.014 χ^2/NDF: 6230519.4/43

In: 65.869+/-0.009 χ^2/NDF:3355477.3/41

Out: 66.267+/-0.009 χ^2/NDF:5527410.9/49

All: 66.075+/-0.006 χ^2/NDF: 8883835.2/91



Right In: -461.737+/-365.813 χ^2/NDF: 23.9/18

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: 920.917+/-355.373 χ^2/NDF: 18.6/24

Left In: 77.393+/-130.317 χ^2/NDF:28.4/22

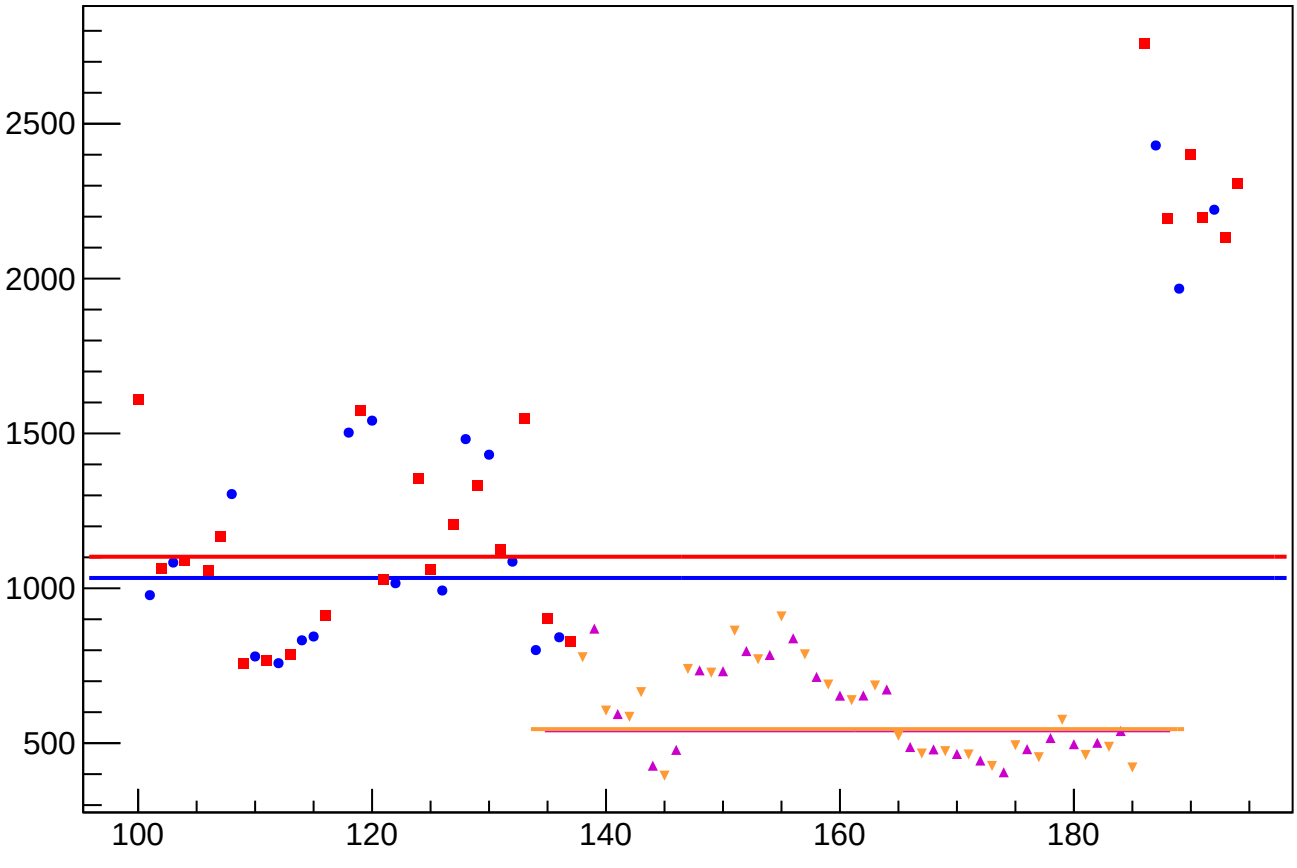
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 249.601+/-254.897 χ^2/NDF: 49.8/43

In: 16.678+/-122.760 χ^2/NDF:54.2/41

Out: -366.013+/-120.365 χ^2/NDF:102.5/49

All: -178.437+/-85.945 χ^2/NDF: 161.6/91



Right In: 1033.365+/-0.259 χ^2/NDF: 1696906.8/18

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1101.960+/-0.251 χ^2/NDF: 2841072.1/24

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

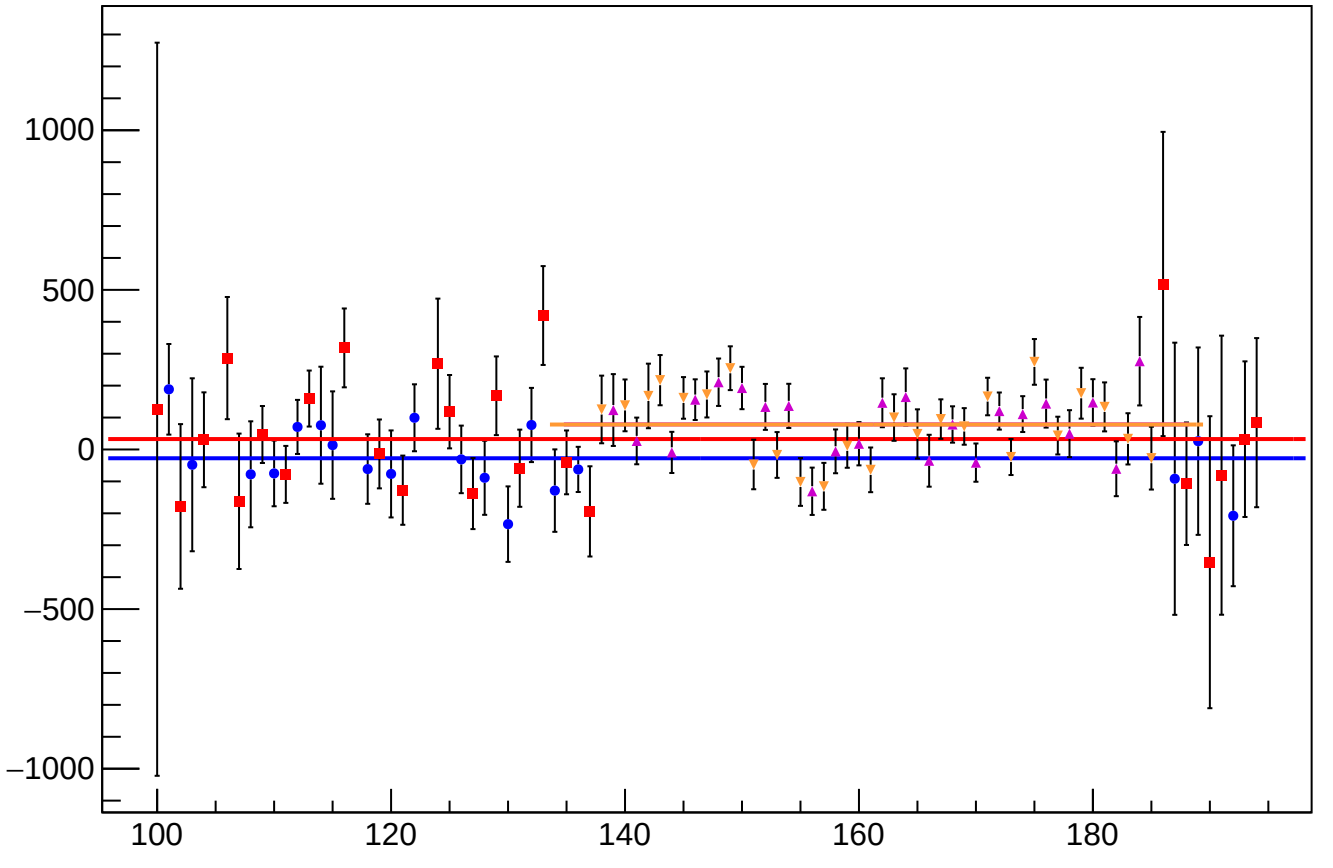
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1068.655+/-0.180 χ^2/NDF: 4574157.7/43

In: 596.854+/-0.087 χ^2/NDF:6746409.6/41

Out: 609.163+/-0.085 χ^2/NDF:9269020.6/49

All: 603.130+/-0.061 χ^2/NDF: 16025681.7/91



Right In: -27.509+/-28.468 χ^2/NDF: 11.7/18

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 32.652+/-27.655 χ^2/NDF: 32.4/24

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

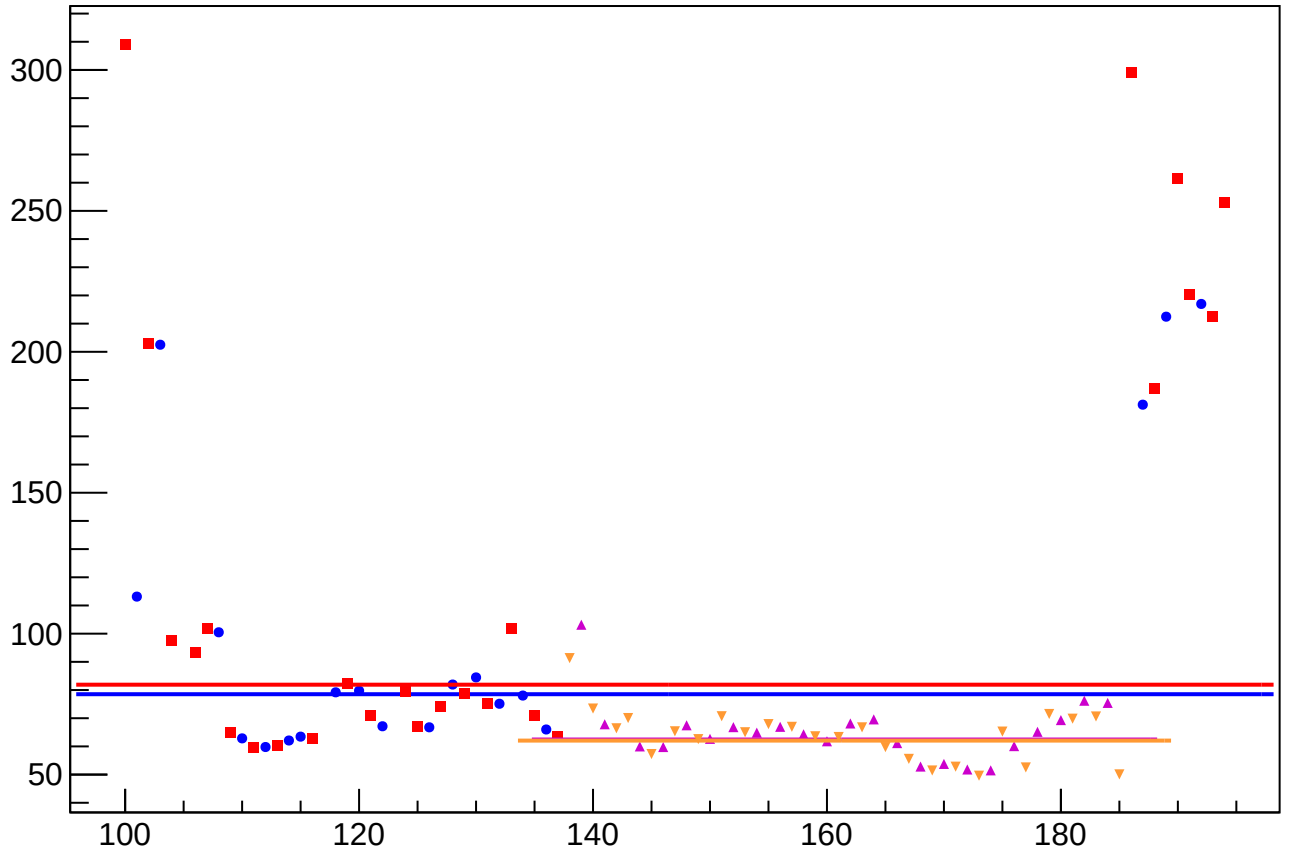
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: 3.442+/-19.836 χ^2/NDF: 46.5/43

In: 55.922+/-13.139 χ^2/NDF:59.3/41

Out: 68.534+/-12.720 χ^2/NDF:88.4/49

All: 62.433+/-9.139 χ^2/NDF: 148.2/91



Right In: 78.519+/-0.020 χ^2/NDF: 2189067.0/18

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 81.896+/-0.020 χ^2/NDF: 4024508.4/24

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

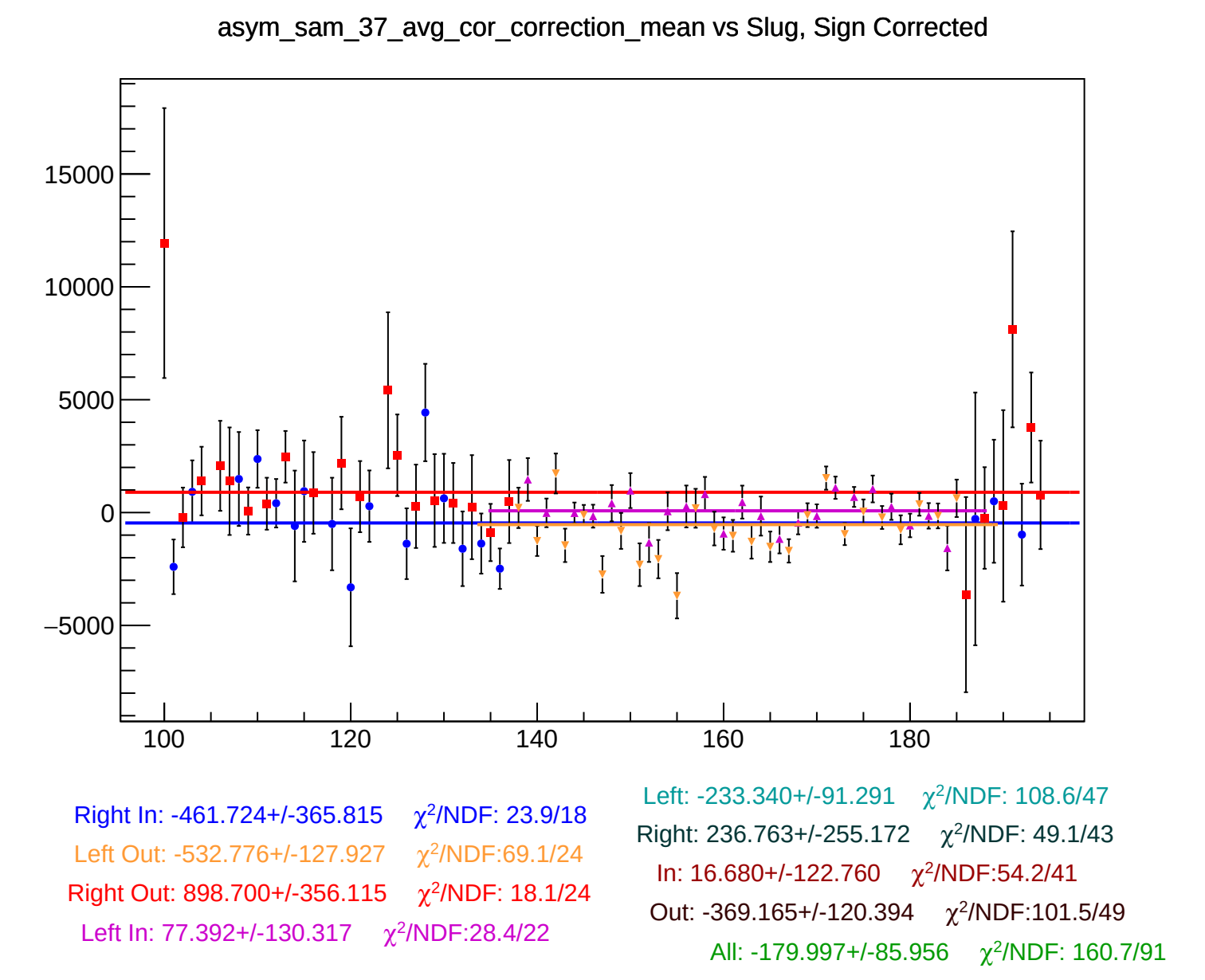
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

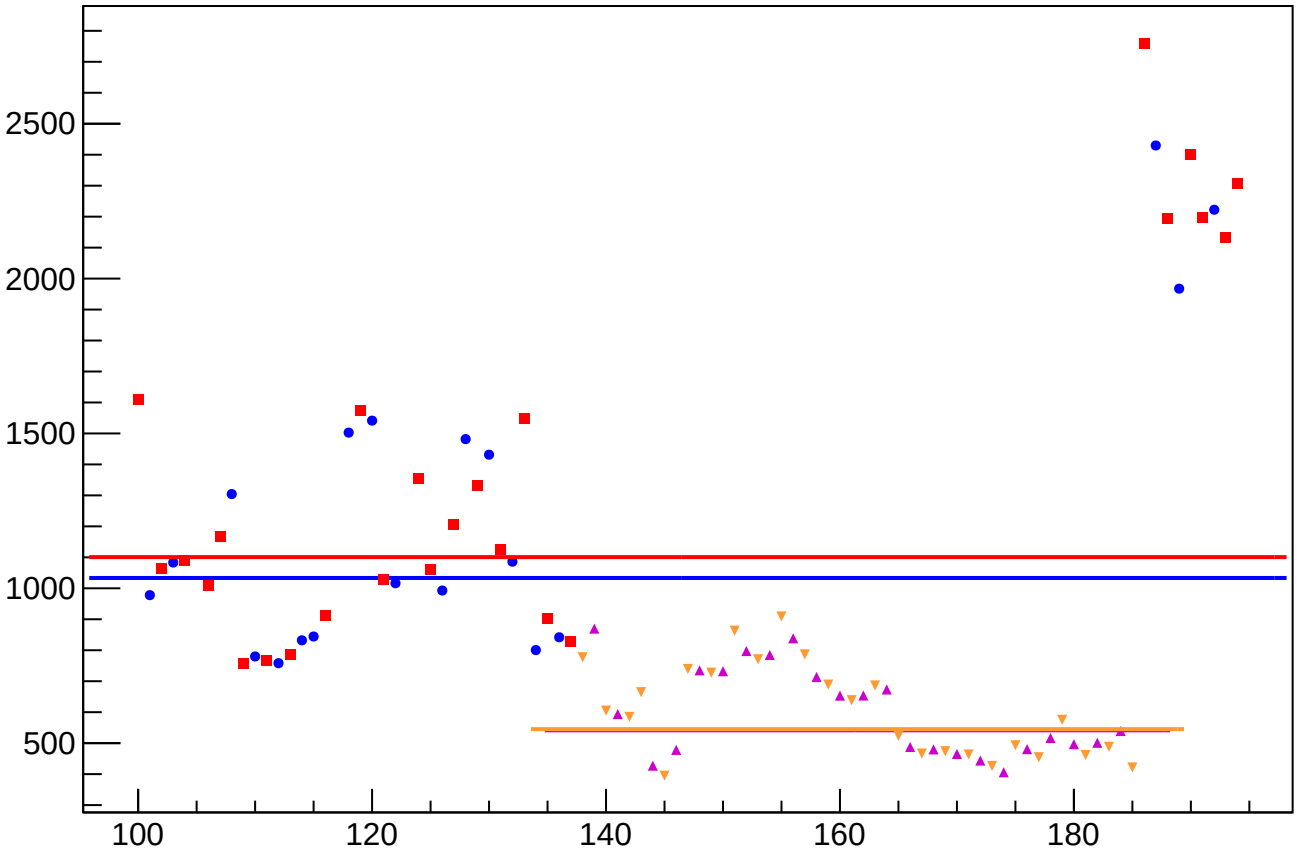
Right: 80.256+/-0.014 χ^2/NDF: 6228054.0/43

In: 65.869+/-0.009 χ^2/NDF:3355479.2/41

Out: 66.259+/-0.009 χ^2/NDF:5522040.0/49

All: 66.070+/-0.006 χ^2/NDF: 8878425.4/91


asym_sam_37_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
Right In: -461.724+/-365.815 χ²/NDF: 23.9/18
Left Out: -532.776+/-127.927 χ²/NDF:69.1/24
Right Out: 898.700+/-356.115 χ²/NDF: 18.1/24
Left In: 77.392+/-130.317 χ²/NDF:28.4/22
Left: -233.340+/-91.291 χ²/NDF: 108.6/47
Right: 236.763+/-255.172 χ²/NDF: 49.1/43
In: 16.680+/-122.760 χ²/NDF:54.2/41
Out: -369.165+/-120.394 χ²/NDF:101.5/49
All: -179.997+/-85.956 χ²/NDF: 160.7/91



Right In: 1033.372+/-0.259 χ^2/NDF: 1696920.8/18

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1100.666+/-0.252 χ^2/NDF: 2844176.8/24

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

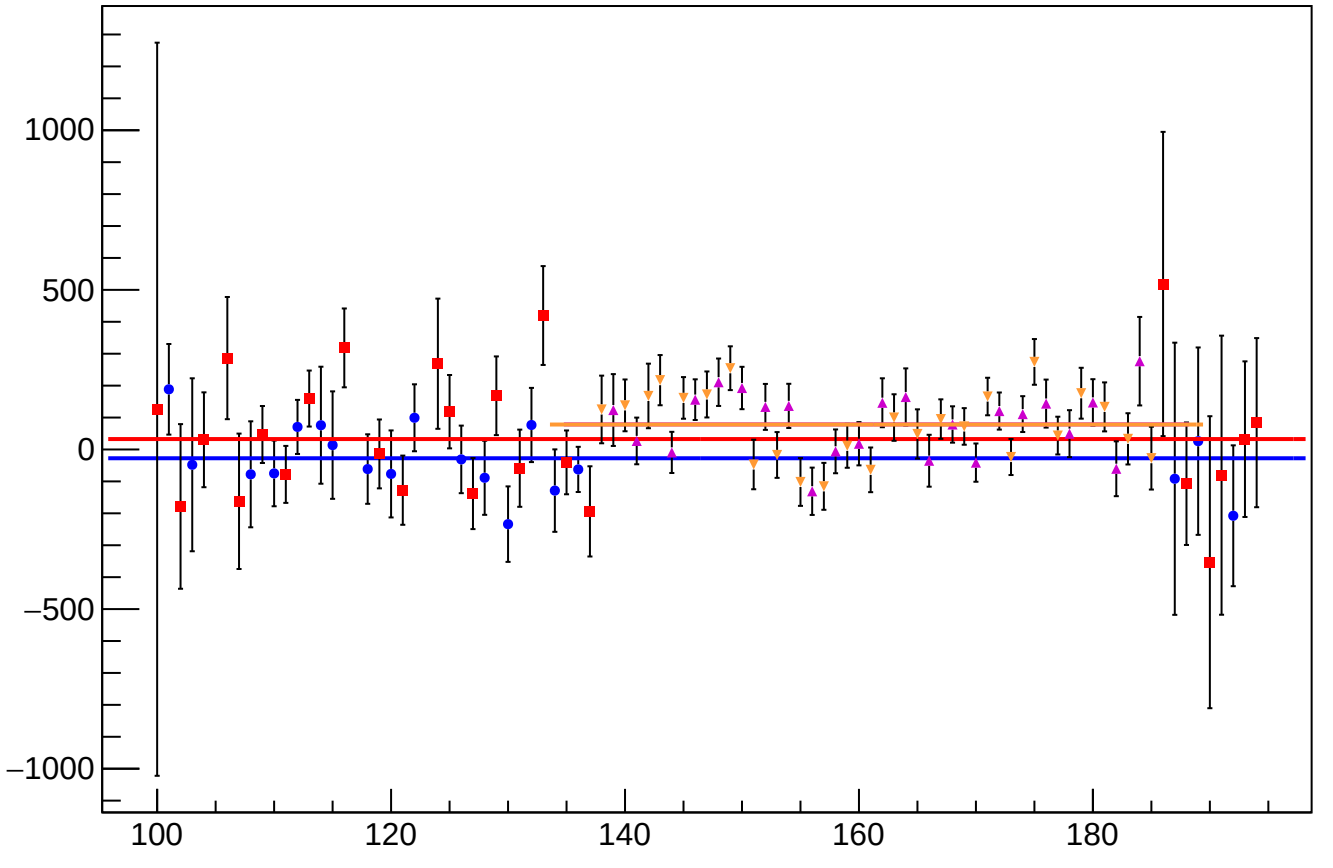
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1067.923+/-0.180 χ^2/NDF: 4575846.9/43

In: 596.854+/-0.087 χ^2/NDF:6746467.2/41

Out: 608.779+/-0.085 χ^2/NDF:9236000.2/49

All: 602.933+/-0.061 χ^2/NDF: 15992087.6/91



Right In: -27.509+/-28.468 χ^2/NDF: 11.7/18

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 32.652+/-27.655 χ^2/NDF: 32.4/24

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

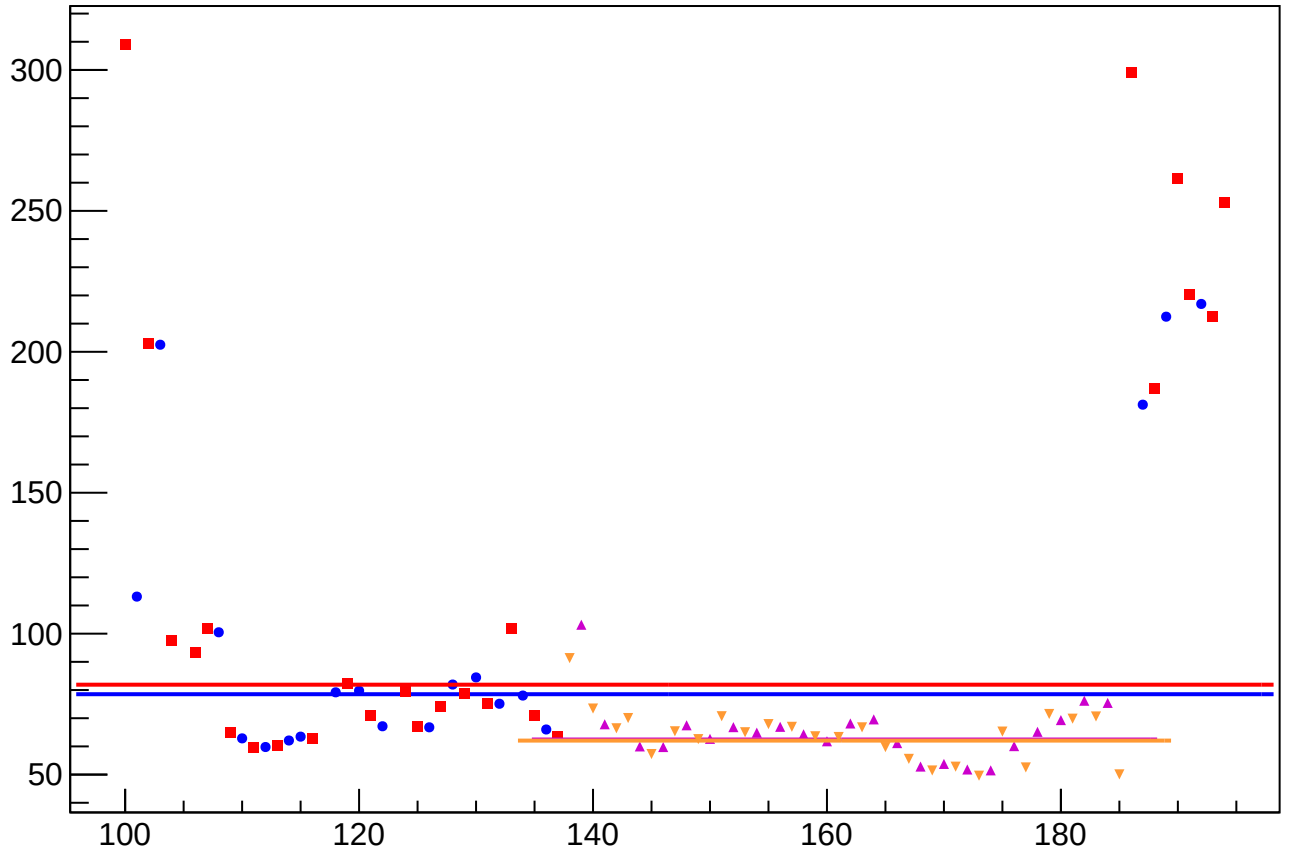
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: 3.442+/-19.836 χ^2/NDF: 46.5/43

In: 55.922+/-13.139 χ^2/NDF:59.3/41

Out: 68.534+/-12.720 χ^2/NDF:88.4/49

All: 62.433+/-9.139 χ^2/NDF: 148.2/91



Right In: 78.519+/-0.020 χ^2/NDF: 2189067.0/18

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 81.896+/-0.020 χ^2/NDF: 4024508.4/24

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

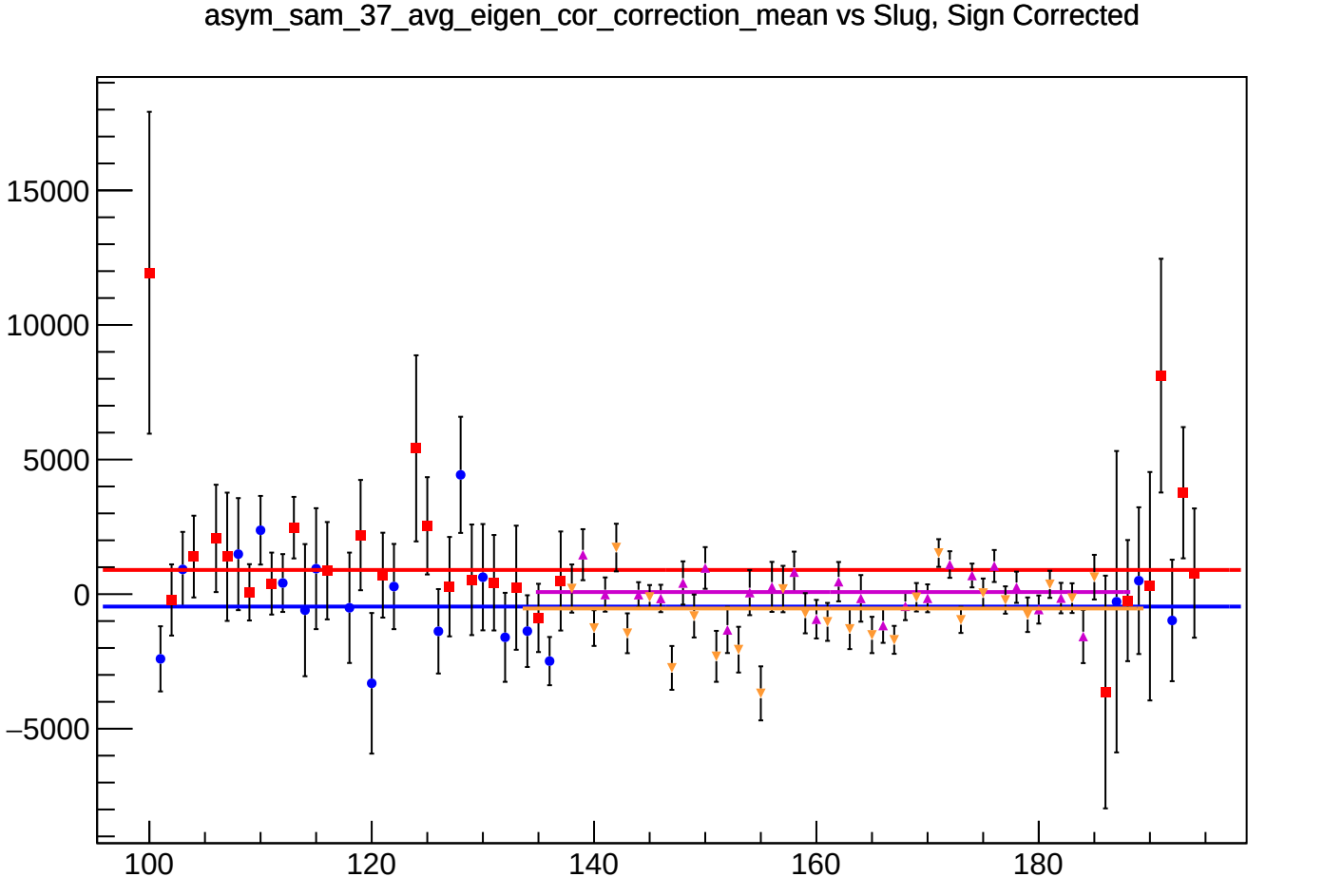
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 80.256+/-0.014 χ^2/NDF: 6228054.0/43

In: 65.869+/-0.009 χ^2/NDF:3355479.2/41

Out: 66.259+/-0.009 χ^2/NDF:5522040.0/49

All: 66.070+/-0.006 χ^2/NDF: 8878425.4/91



Right In: -461.724+/-365.815 χ^2/NDF: 23.9/18

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 898.700+/-356.115 χ^2/NDF: 18.1/24

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

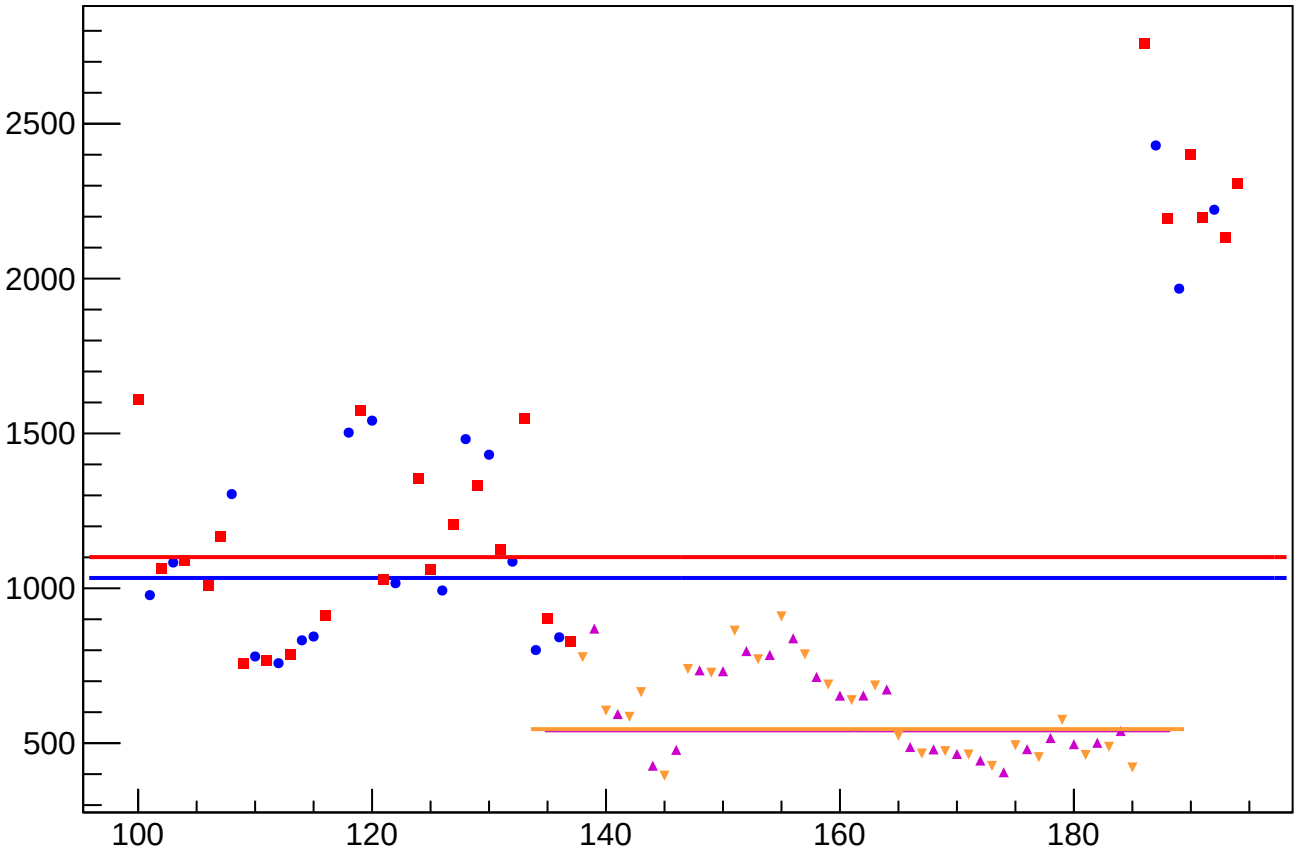
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 236.763+/-255.172 χ^2/NDF: 49.1/43

In: 16.680+/-122.760 χ^2/NDF:54.2/41

Out: -369.165+/-120.394 χ^2/NDF:101.5/49

All: -179.997+/-85.956 χ^2/NDF: 160.7/91



Right In: 1033.372+/-0.259 χ^2/NDF: 1696920.8/18

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1100.666+/-0.252 χ^2/NDF: 2844176.8/24

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

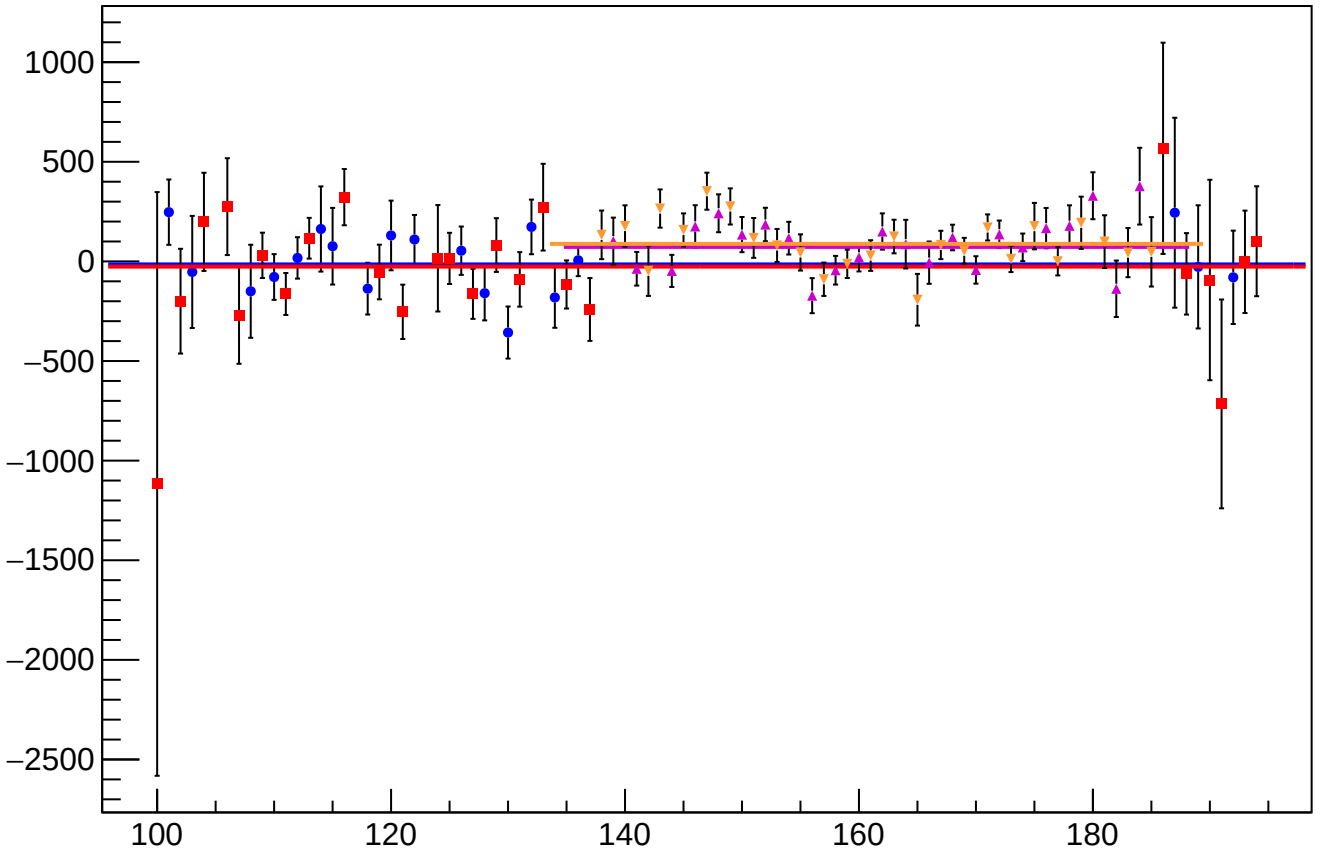
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1067.923+/-0.180 χ^2/NDF: 4575846.9/43

In: 596.854+/-0.087 χ^2/NDF:6746467.2/41

Out: 608.779+/-0.085 χ^2/NDF:9236000.2/49

All: 602.933+/-0.061 χ^2/NDF: 15992087.6/91



Right In: -15.142+/-33.142 χ^2/NDF: 18.6/18

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -26.073+/-32.885 χ^2/NDF: 26.9/24

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

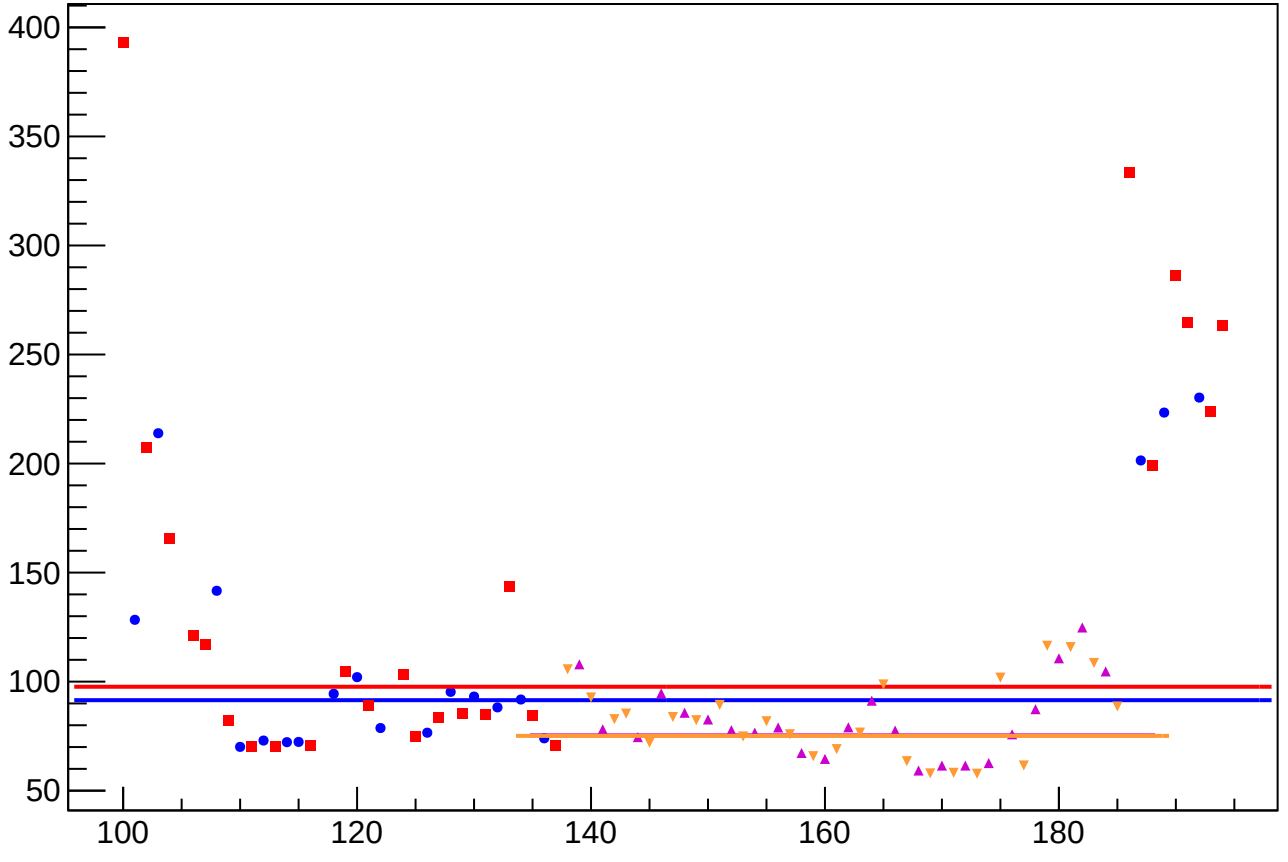
Right: -20.650+/-23.344 χ^2/NDF: 45.6/43

In: 52.331+/-16.004 χ^2/NDF:62.5/41

Out: 62.307+/-15.616 χ^2/NDF:73.1/49

All: 57.442+/-11.177 χ^2/NDF: 135.8/91

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 91.492+/-0.023 χ^2/NDF: 2071455.8/18

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 97.654+/-0.023 χ^2/NDF: 3877092.0/24

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

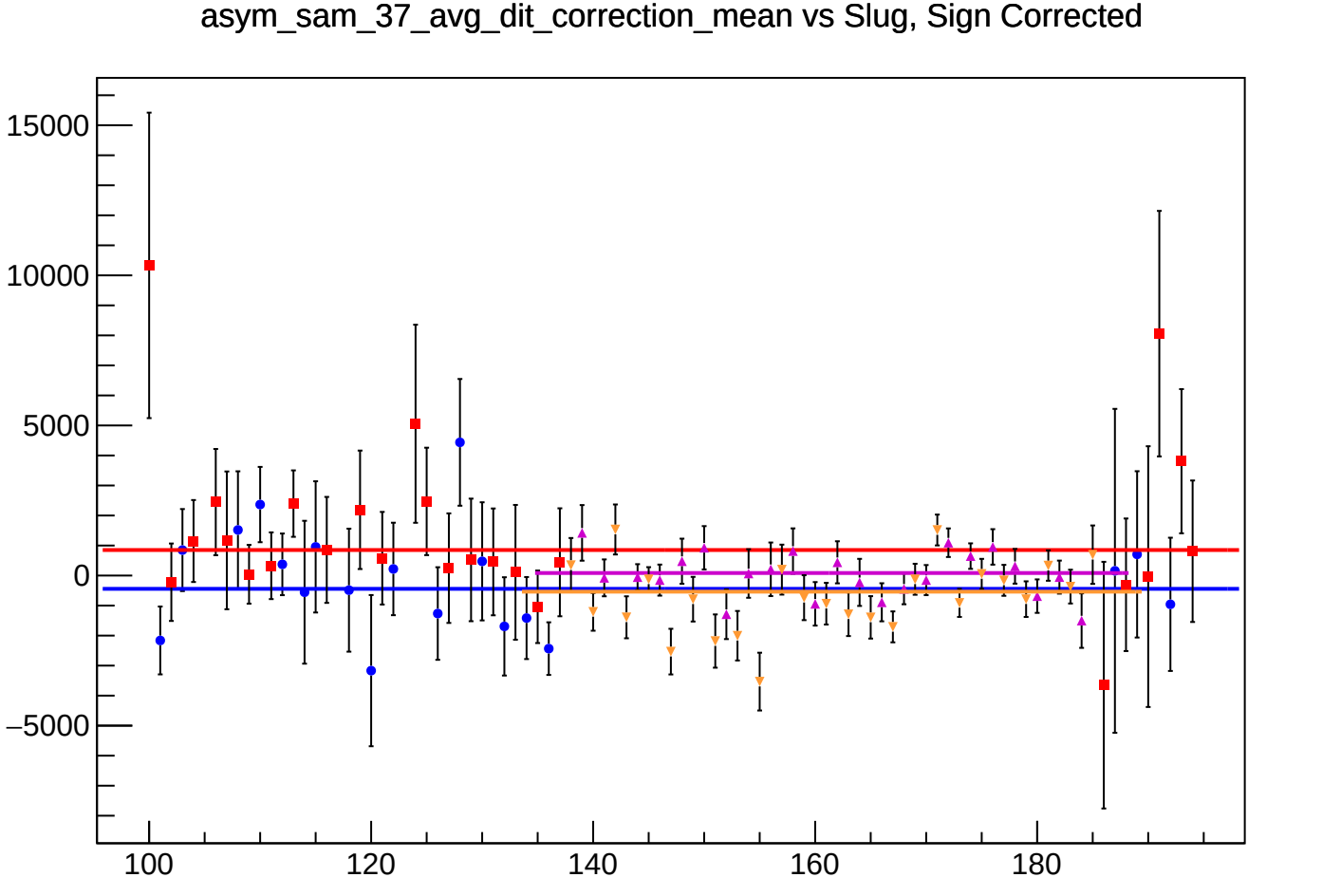
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

Right: 94.597+/-0.017 χ^2/NDF: 5983380.1/43

In: 79.124+/-0.011 χ^2/NDF:3660005.1/41

Out: 80.208+/-0.011 χ^2/NDF:6205334.1/49

All: 79.679+/-0.008 χ^2/NDF: 9870036.1/91



Right In: -442.635+/-356.939 χ^2/NDF: 24.0/18

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: 850.595+/-342.212 χ^2/NDF: 19.8/24

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

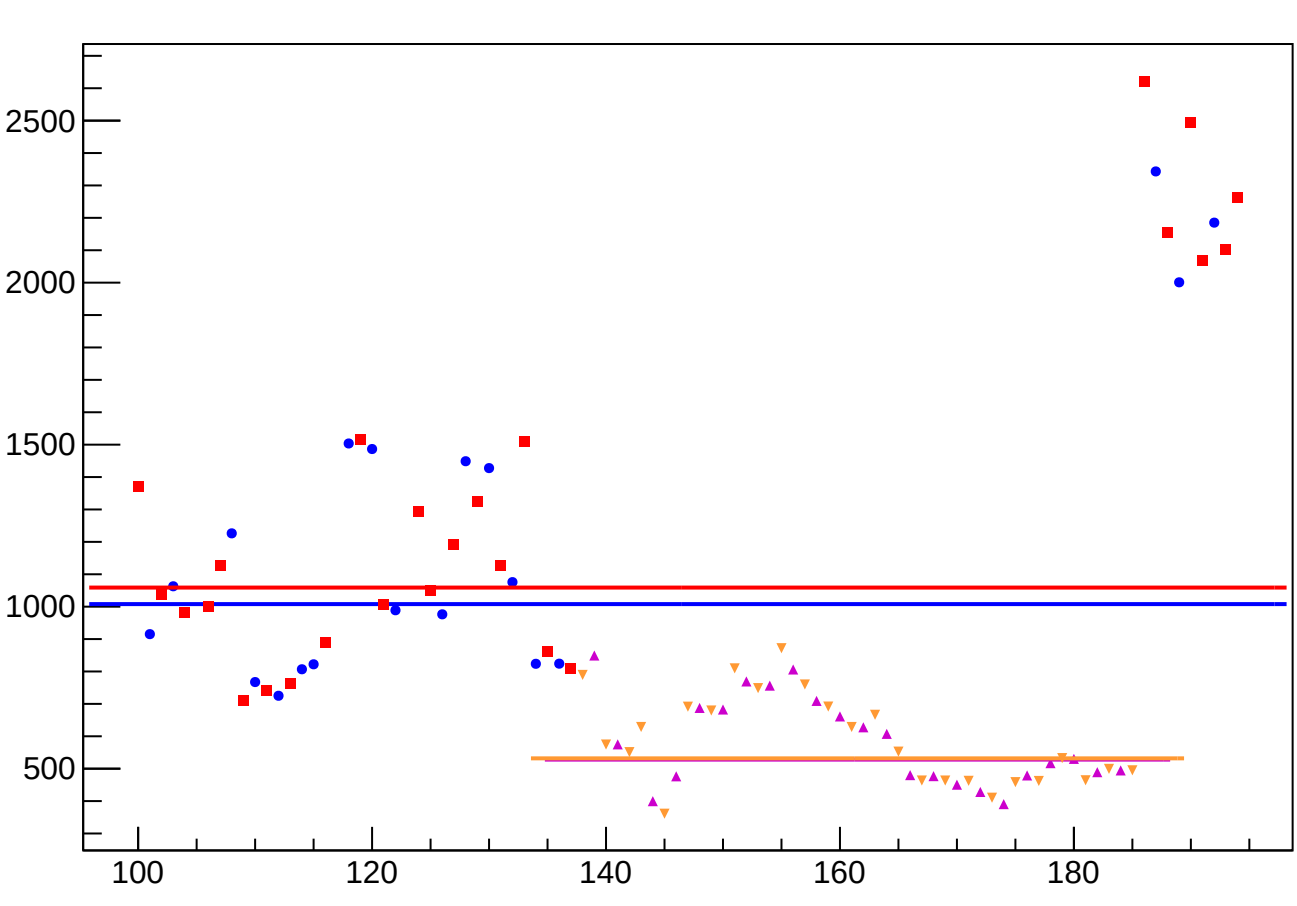
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 231.208+/-247.023 χ^2/NDF: 50.6/43

In: 25.382+/-119.685 χ^2/NDF:53.4/41

Out: -374.688+/-116.974 χ^2/NDF:101.3/49

All: -179.235+/-83.655 χ^2/NDF: 160.4/91



Right In: 1007.933+/-0.252 χ^2/NDF: 1734625.8/18

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1058.938+/-0.242 χ^2/NDF: 2958806.8/24

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

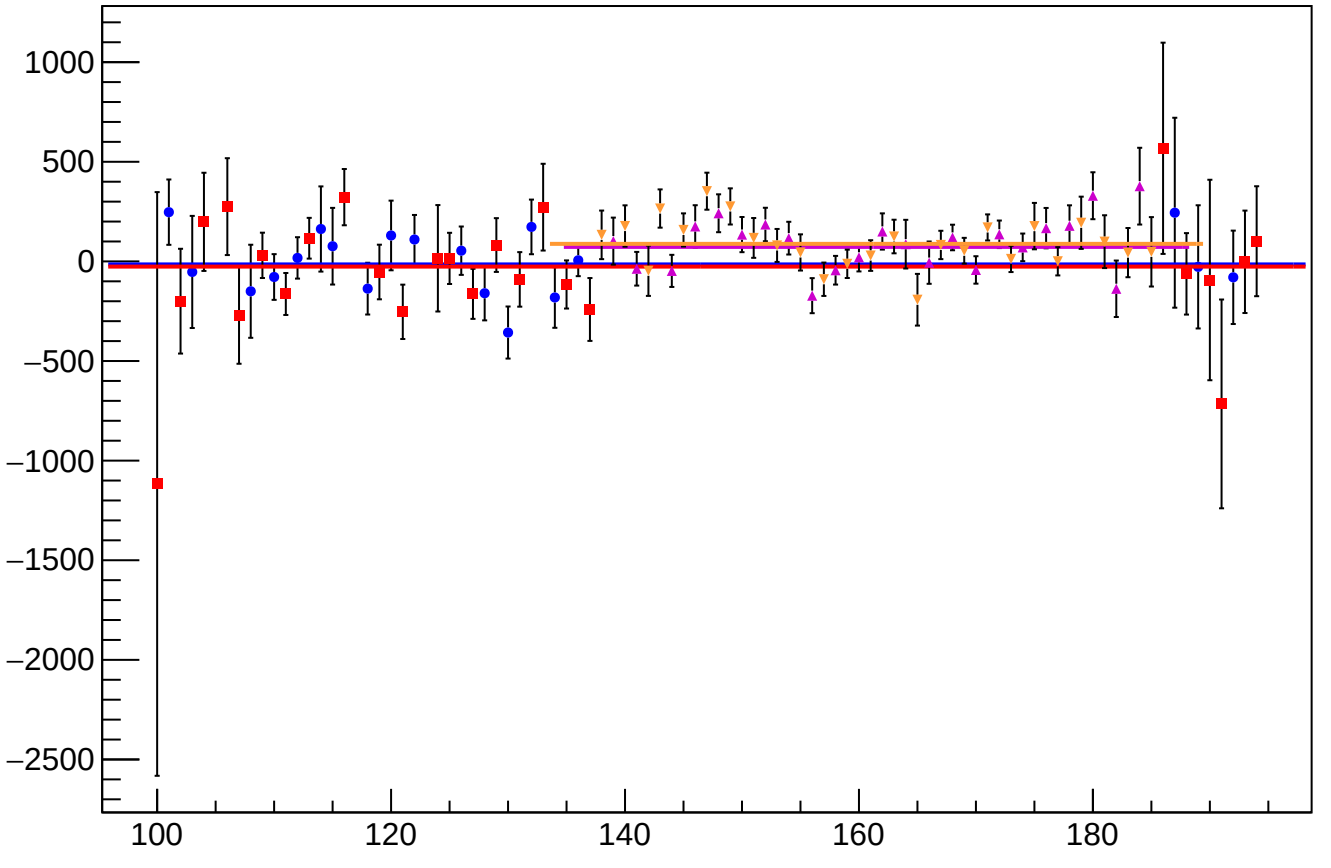
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1034.509+/-0.175 χ^2/NDF: 4714712.0/43

In: 581.947+/-0.085 χ^2/NDF:6744537.0/41

Out: 593.454+/-0.083 χ^2/NDF:9186518.0/49

All: 587.833+/-0.059 χ^2/NDF: 15940510.4/91



Right In: -15.142+/-33.142 χ^2/NDF: 18.6/18

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -26.075+/-32.885 χ^2/NDF: 26.9/24

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

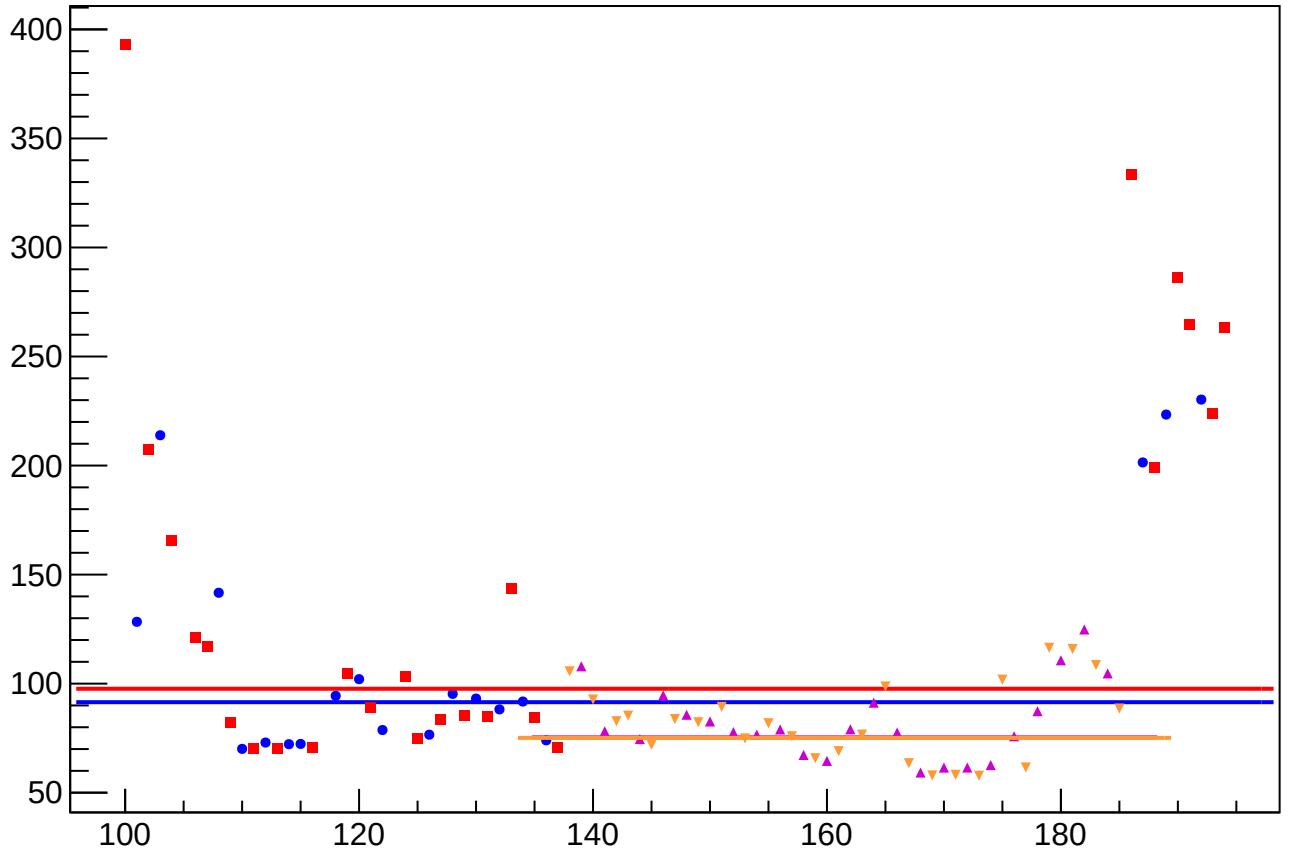
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -20.651+/-23.344 χ^2/NDF: 45.6/43

In: 52.331+/-16.004 χ^2/NDF:62.5/41

Out: 62.307+/-15.616 χ^2/NDF:73.1/49

All: 57.441+/-11.177 χ^2/NDF: 135.8/91



Right In: 91.492+/-0.023 χ^2/NDF: 2071444.3/18

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

Right Out: 97.654+/-0.023 χ^2/NDF: 3877080.8/24

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

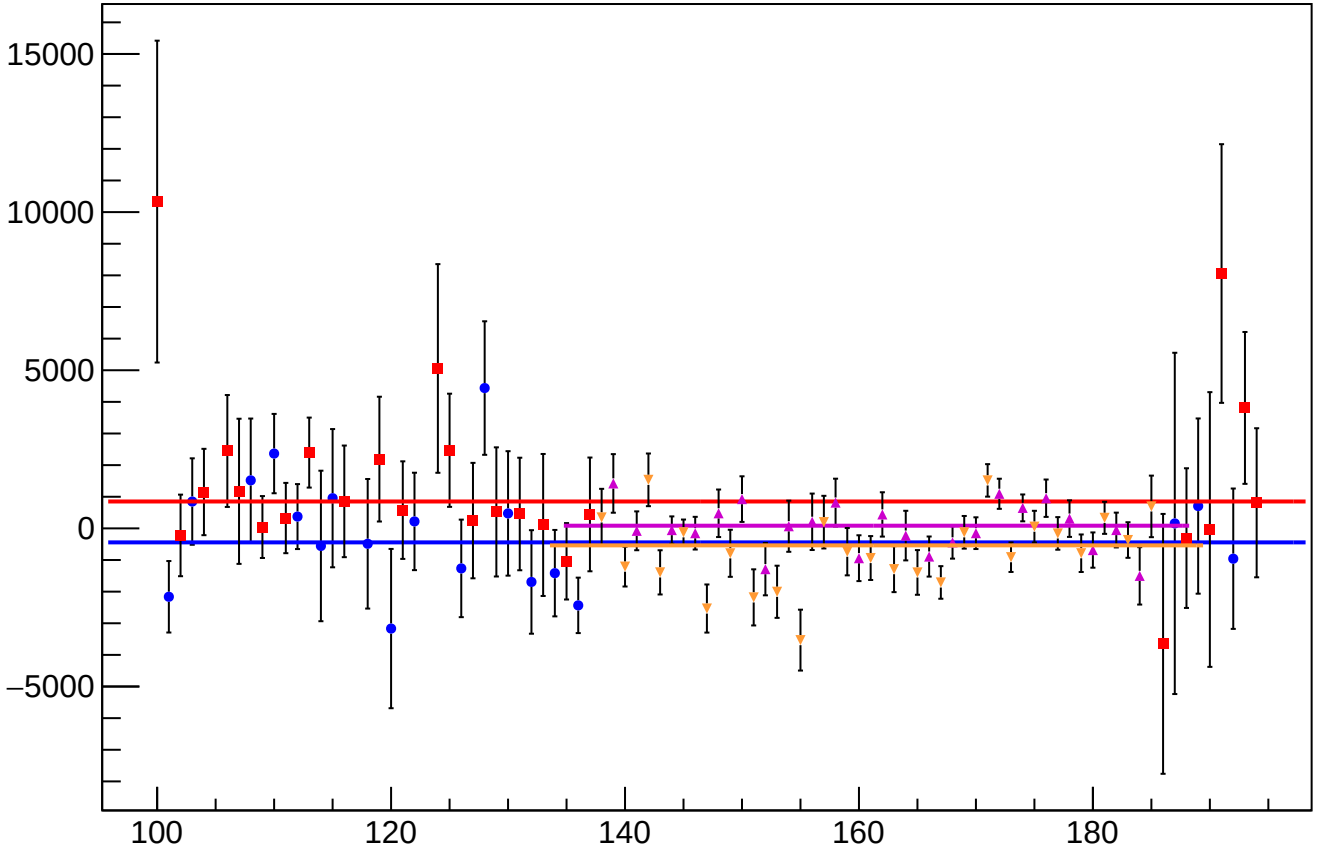
Right: 94.597+/-0.017 χ^2/NDF: 5983358.4/43

In: 79.124+/-0.011 χ^2/NDF:3659999.4/41

Out: 80.208+/-0.011 χ^2/NDF:6205334.1/49

All: 79.679+/-0.008 χ^2/NDF: 9870030.8/91

asym_sam_37_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -442.633+/-356.938 χ^2/NDF: 24.0/18

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

Right Out: 850.594+/-342.211 χ^2/NDF: 19.8/24

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

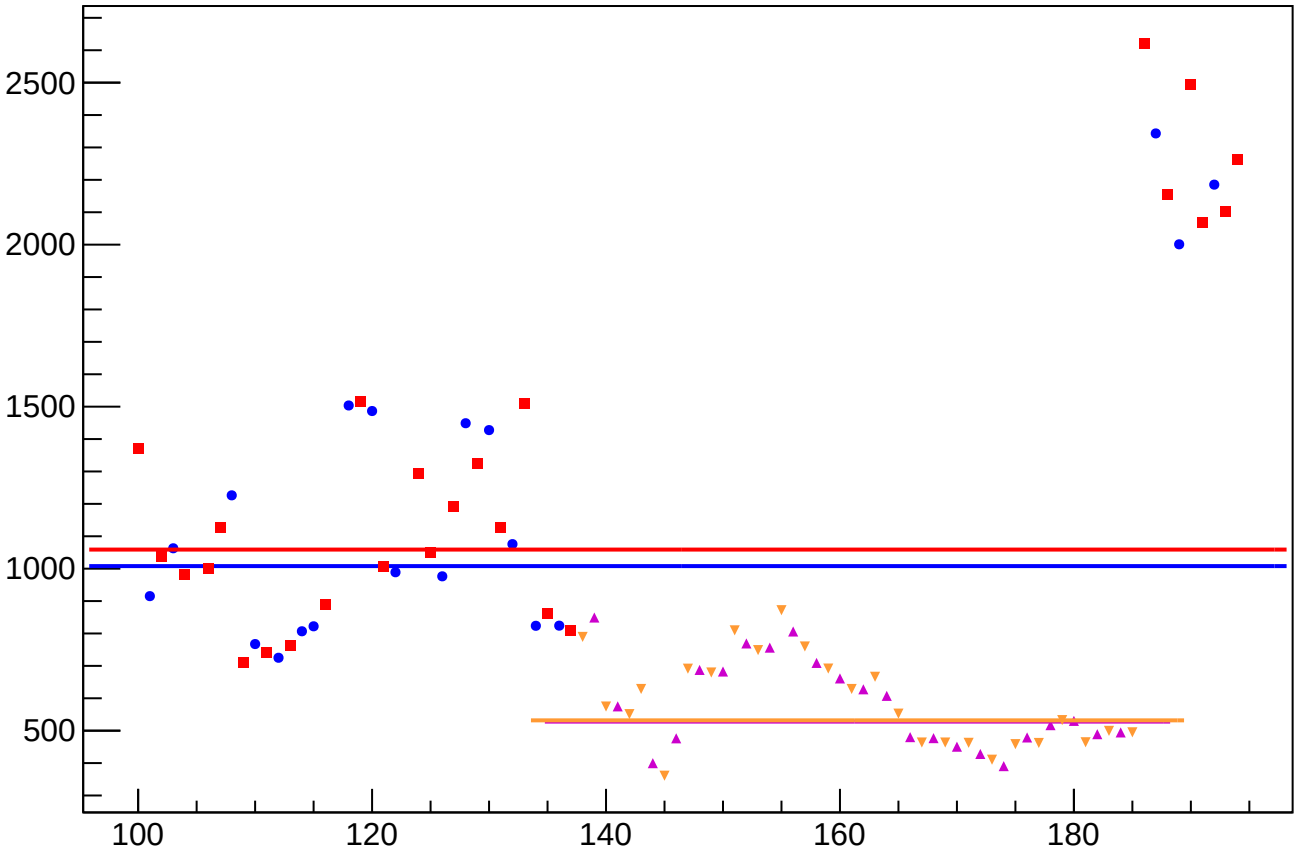
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 231.209+/-247.022 χ^2/NDF: 50.6/43

In: 25.382+/-119.685 χ^2/NDF:53.4/41

Out: -374.688+/-116.974 χ^2/NDF:101.3/49

All: -179.235+/-83.655 χ^2/NDF: 160.4/91



Right In: 1007.931+/-0.252 χ^2/NDF: 1734629.9/18

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1058.936+/-0.242 χ^2/NDF: 2958809.2/24

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

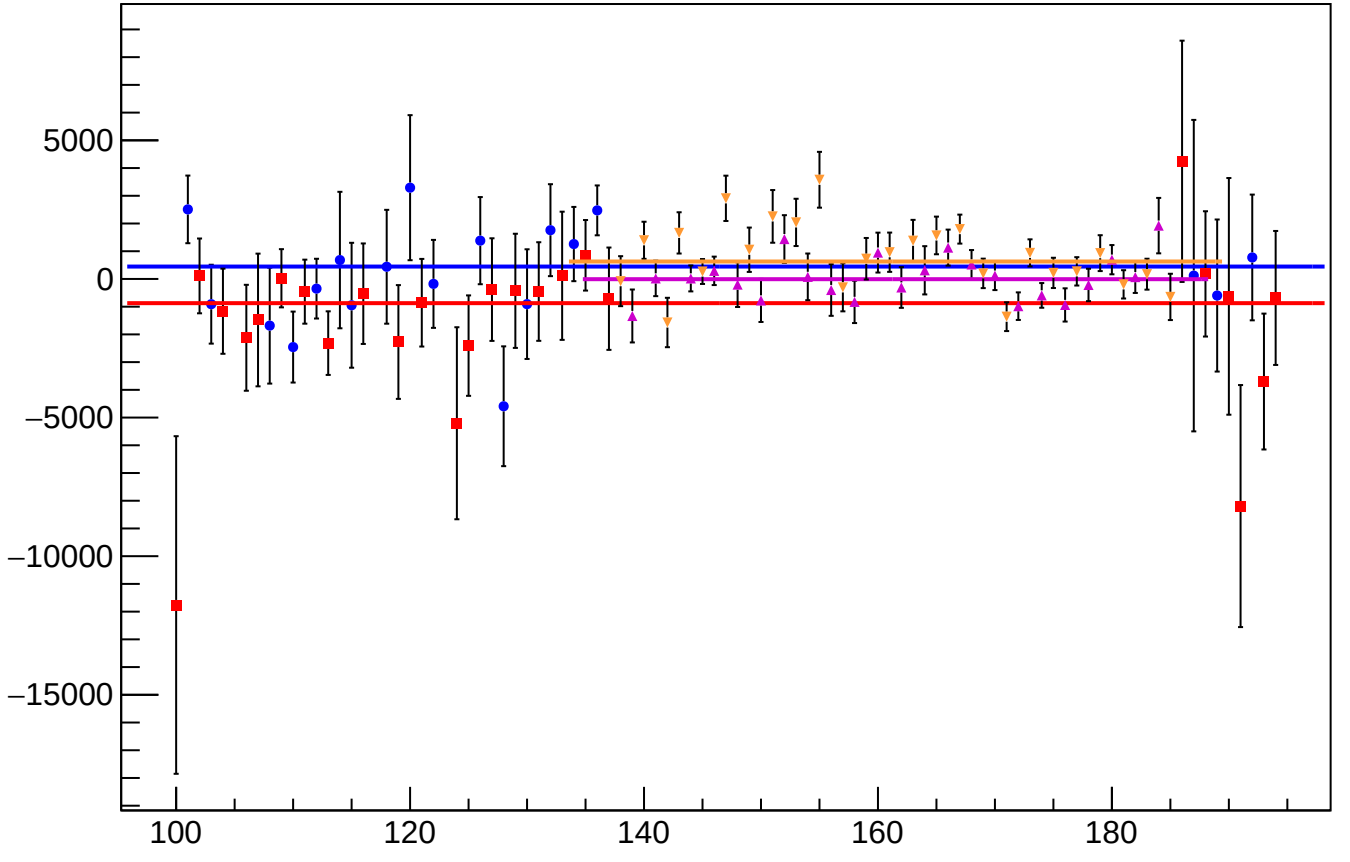
Right: 1034.507+/-0.175 χ^2/NDF: 4714718.6/43

In: 581.947+/-0.085 χ^2/NDF:6744523.0/41

Out: 593.454+/-0.083 χ^2/NDF:9186502.0/49

All: 587.832+/-0.059 χ^2/NDF: 15940480.3/91

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 446.991+/-367.615 χ^2/NDF: 24.7/18

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: -873.094+/-357.286 χ^2/NDF: 17.4/24

Left In: -8.460+/-131.289 χ^2/NDF:27.3/22

Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

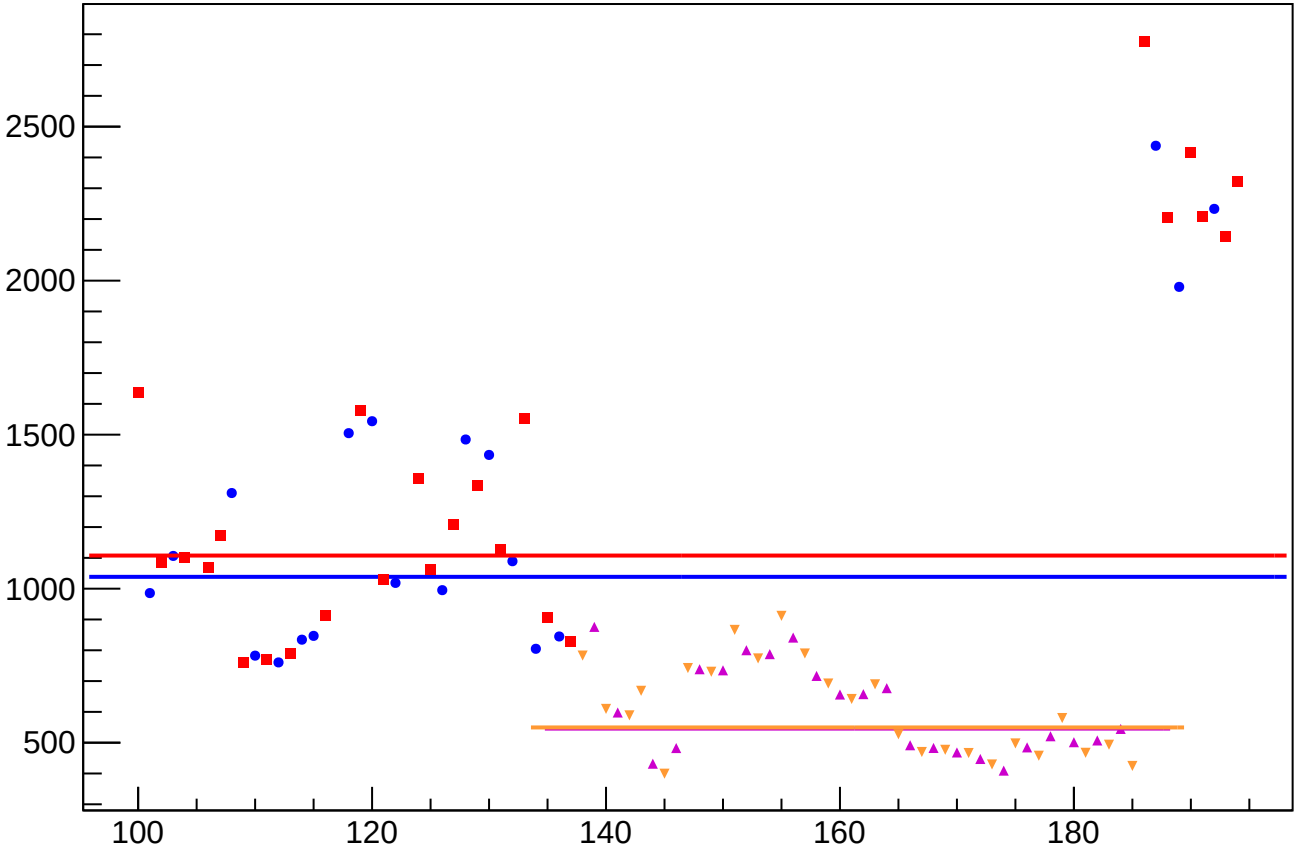
Right: -231.857+/-256.213 χ^2/NDF: 48.8/43

In: 43.060+/-123.641 χ^2/NDF:53.4/41

Out: 456.452+/-121.211 χ^2/NDF:98.0/49

All: 253.857+/-86.556 χ^2/NDF: 157.1/91

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 1038.420+/-0.260 χ^2/NDF: 1698338.2/18

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1107.526+/-0.253 χ^2/NDF: 2846870.4/24

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

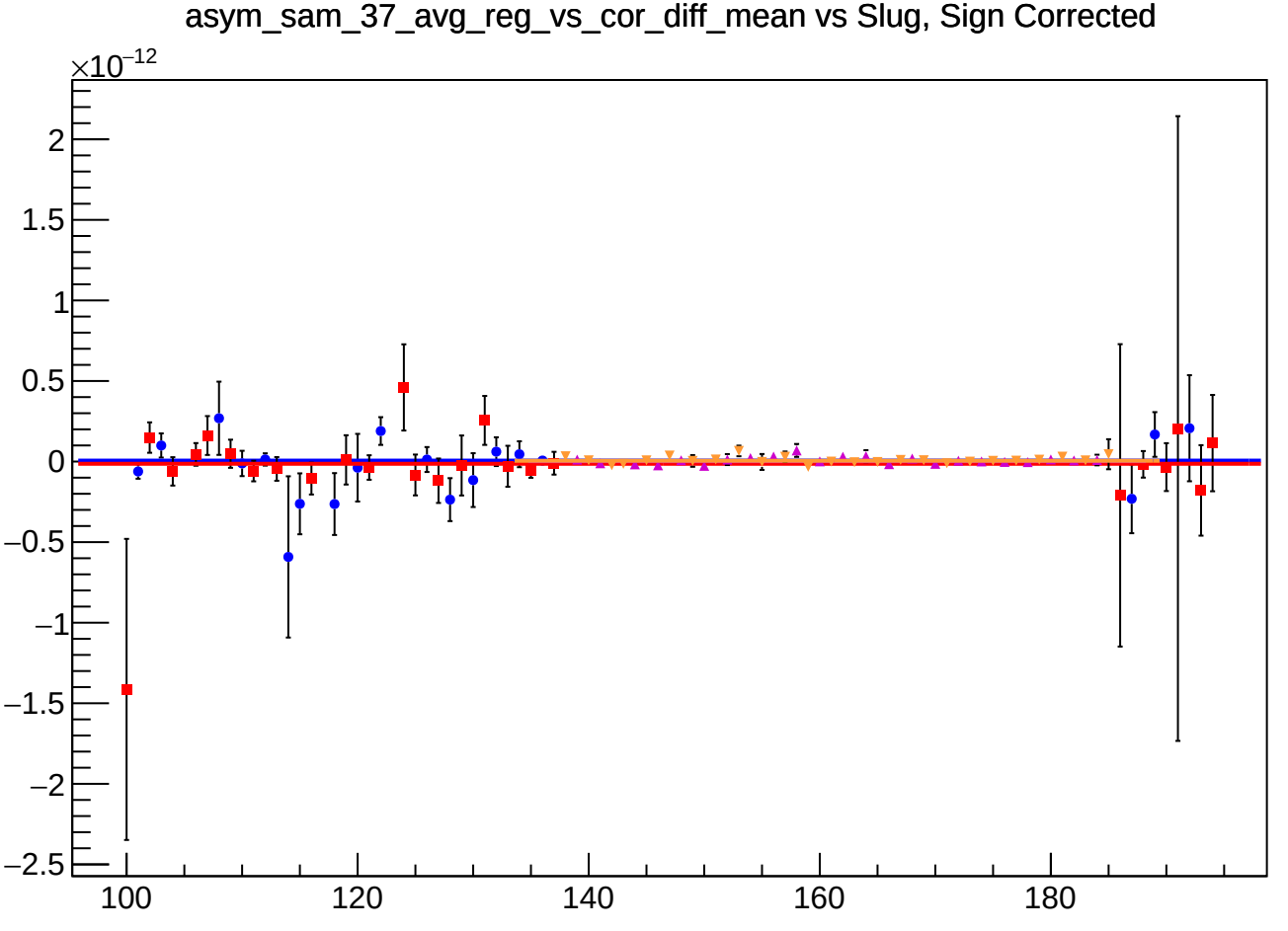
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1073.957+/-0.181 χ^2/NDF: 4581554.3/43

In: 601.443+/-0.087 χ^2/NDF:6699201.5/41

Out: 613.703+/-0.086 χ^2/NDF:9218379.4/49

All: 607.695+/-0.061 χ^2/NDF: 15927608.6/91



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.0/24

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

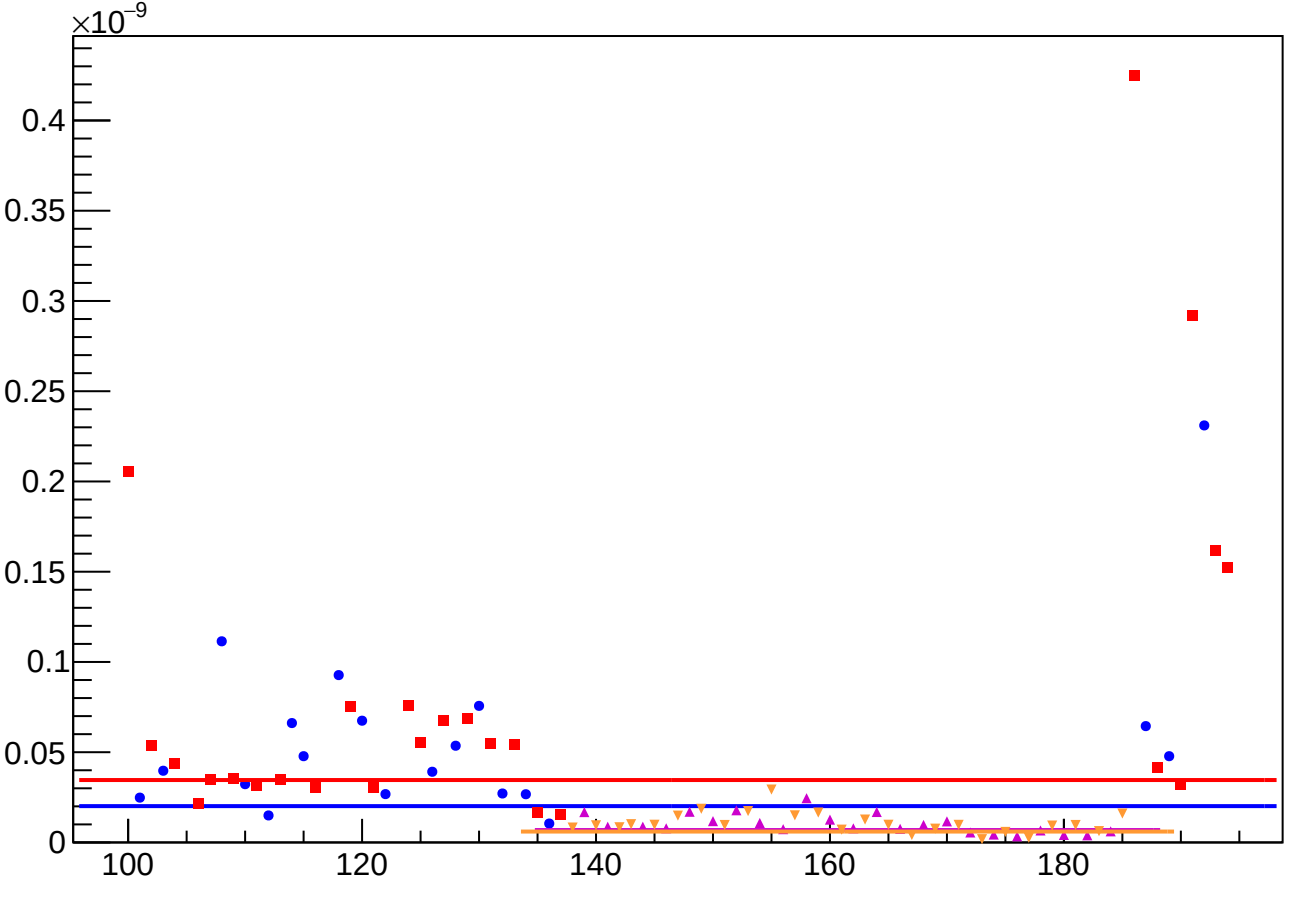
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: -0.000+/-0.000 χ^2/NDF: 42.3/43

In: 0.000+/-0.000 χ^2/NDF:42.7/41

Out: 0.000+/-0.000 χ^2/NDF:35.5/49

All: 0.000+/-0.000 χ^2/NDF: 78.4/91



Right In: 0.000+/-0.000 χ^2/NDF: 2972681.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2314414.2/24

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

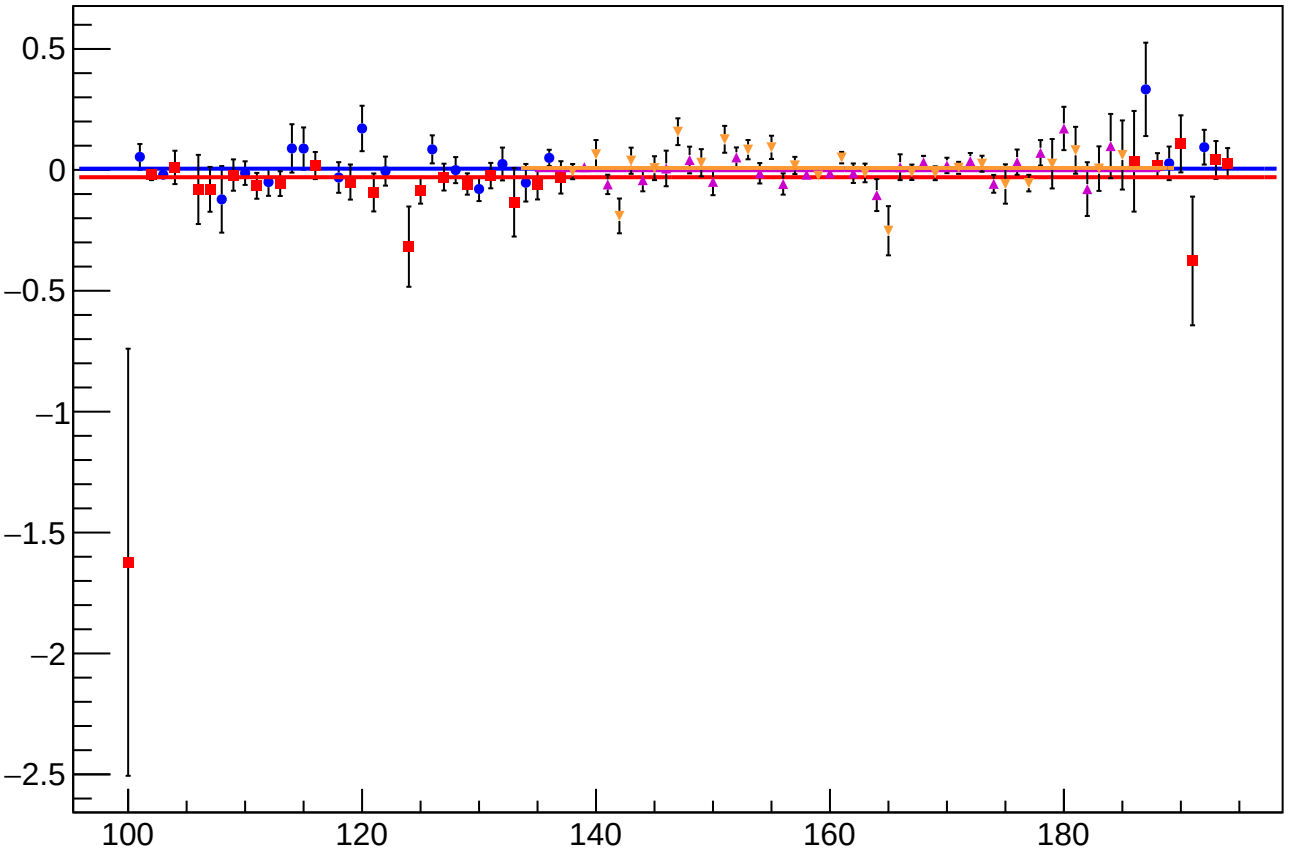
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 5985256.3/43

In: 0.000+/-0.000 χ^2/NDF:7018426.4/41

Out: 0.000+/-0.000 χ^2/NDF:9983961.7/49

All: 0.000+/-0.000 χ^2/NDF: 17075190.0/91



Right In: 0.005+/-0.012 χ^2/NDF: 21.2/18

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.030+/-0.012 χ^2/NDF: 17.4/24

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

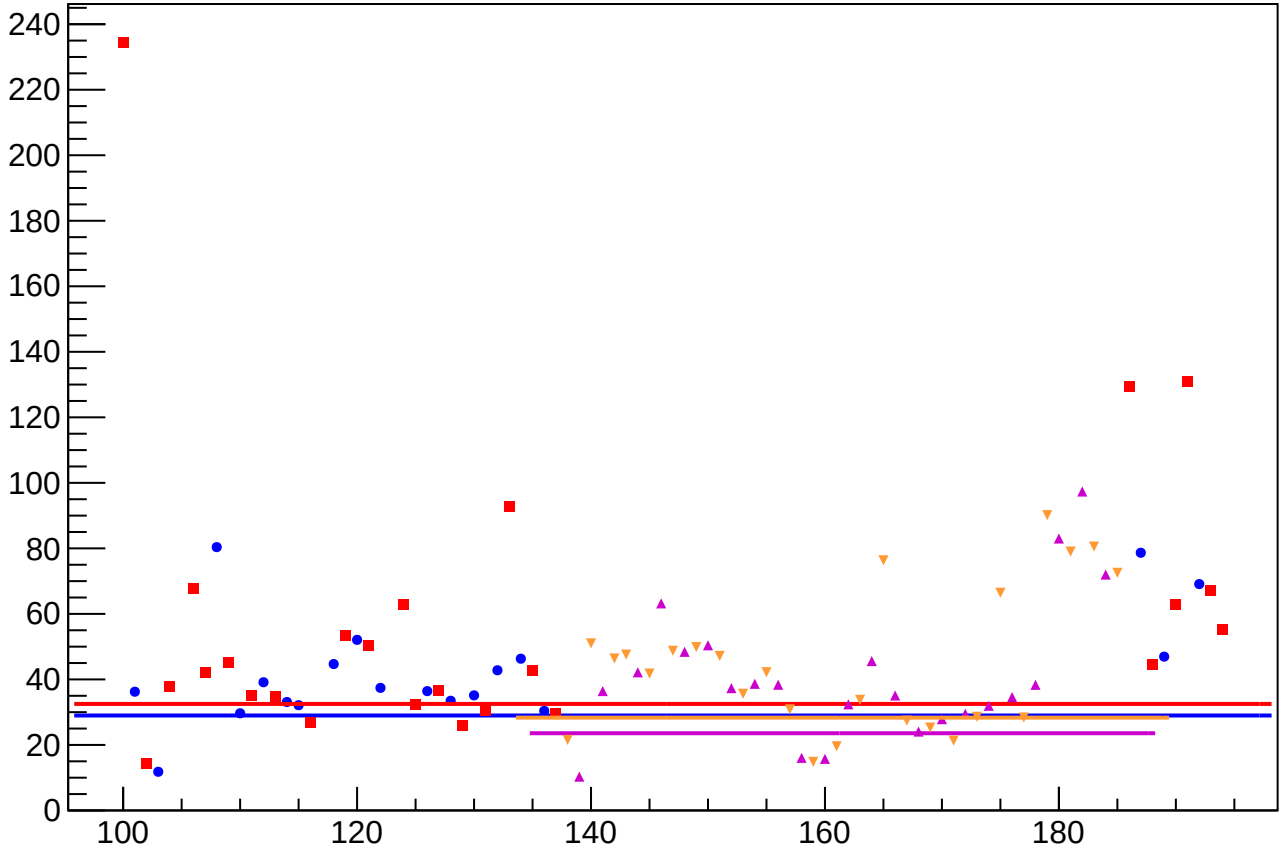
Right: -0.013+/-0.008 χ^2/NDF: 43.0/43

In: 0.000+/-0.006 χ^2/NDF:46.5/41

Out: -0.003+/-0.006 χ^2/NDF:72.4/49

All: -0.001+/-0.004 χ^2/NDF: 119.1/91

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.986+/-0.008 χ^2/NDF: 3353148.5/18

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 32.517+/-0.008 χ^2/NDF: 4227516.5/24

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

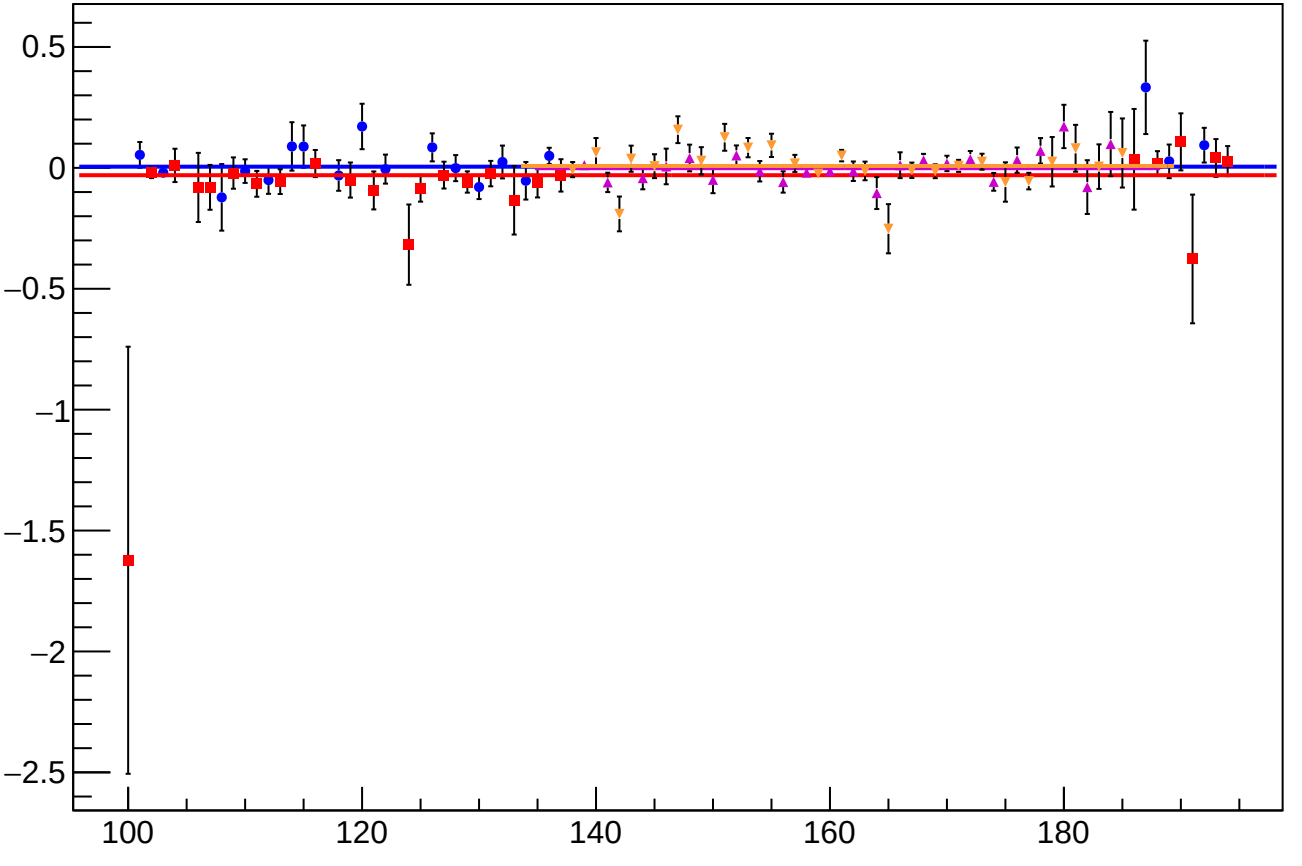
Right: 30.734+/-0.006 χ^2/NDF: 7671216.5/43

In: 24.945+/-0.004 χ^2/NDF:11937872.0/41

Out: 29.550+/-0.005 χ^2/NDF:11194733.9/49

All: 27.062+/-0.003 χ^2/NDF: 23696445.2/91

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.012 χ^2/NDF: 21.2/18

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.030+/-0.012 χ^2/NDF: 17.4/24

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

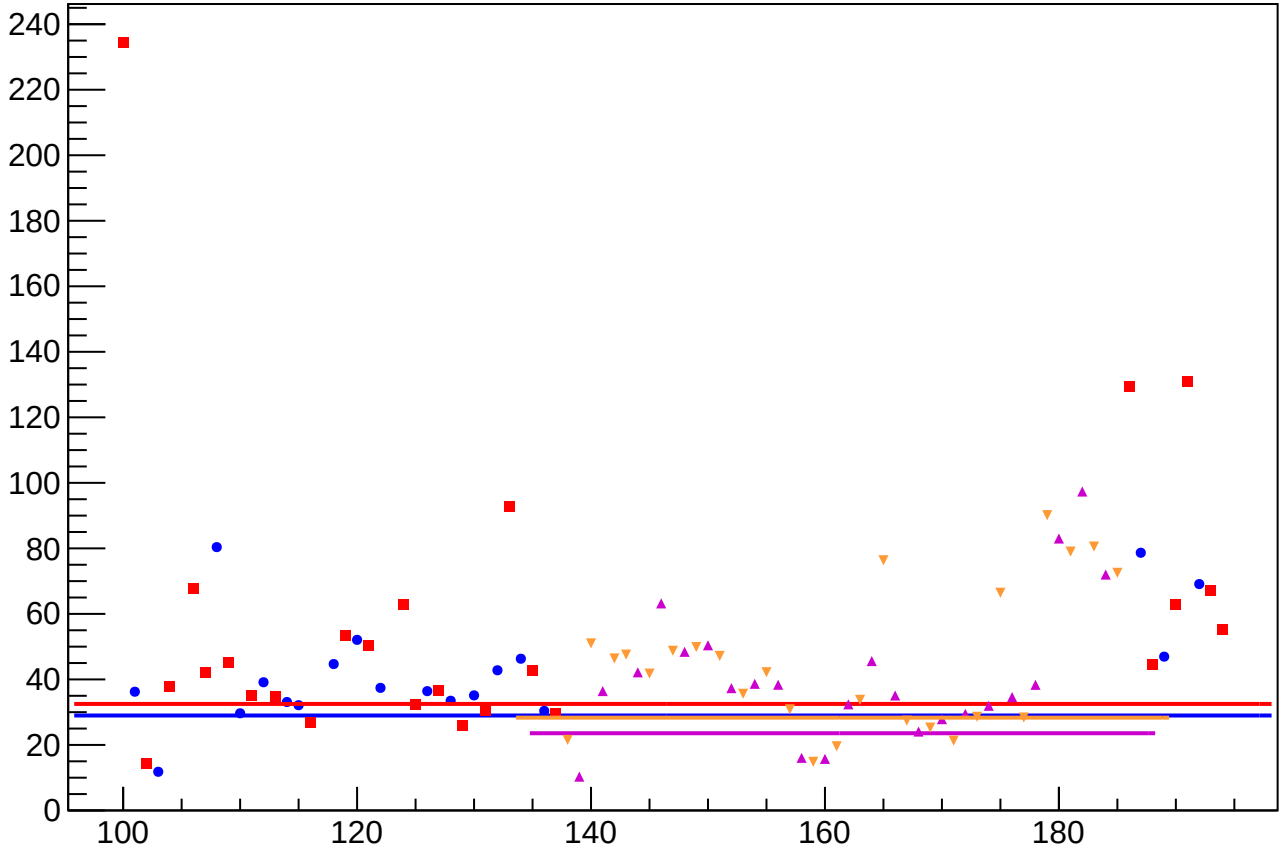
Right: -0.013+/-0.008 χ^2/NDF: 43.0/43

In: 0.000+/-0.006 χ^2/NDF:46.5/41

Out: -0.003+/-0.006 χ^2/NDF:72.4/49

All: -0.001+/-0.004 χ^2/NDF: 119.1/91

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.986+/-0.008 χ^2/NDF: 3353148.5/18

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 32.517+/-0.008 χ^2/NDF: 4227516.5/24

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

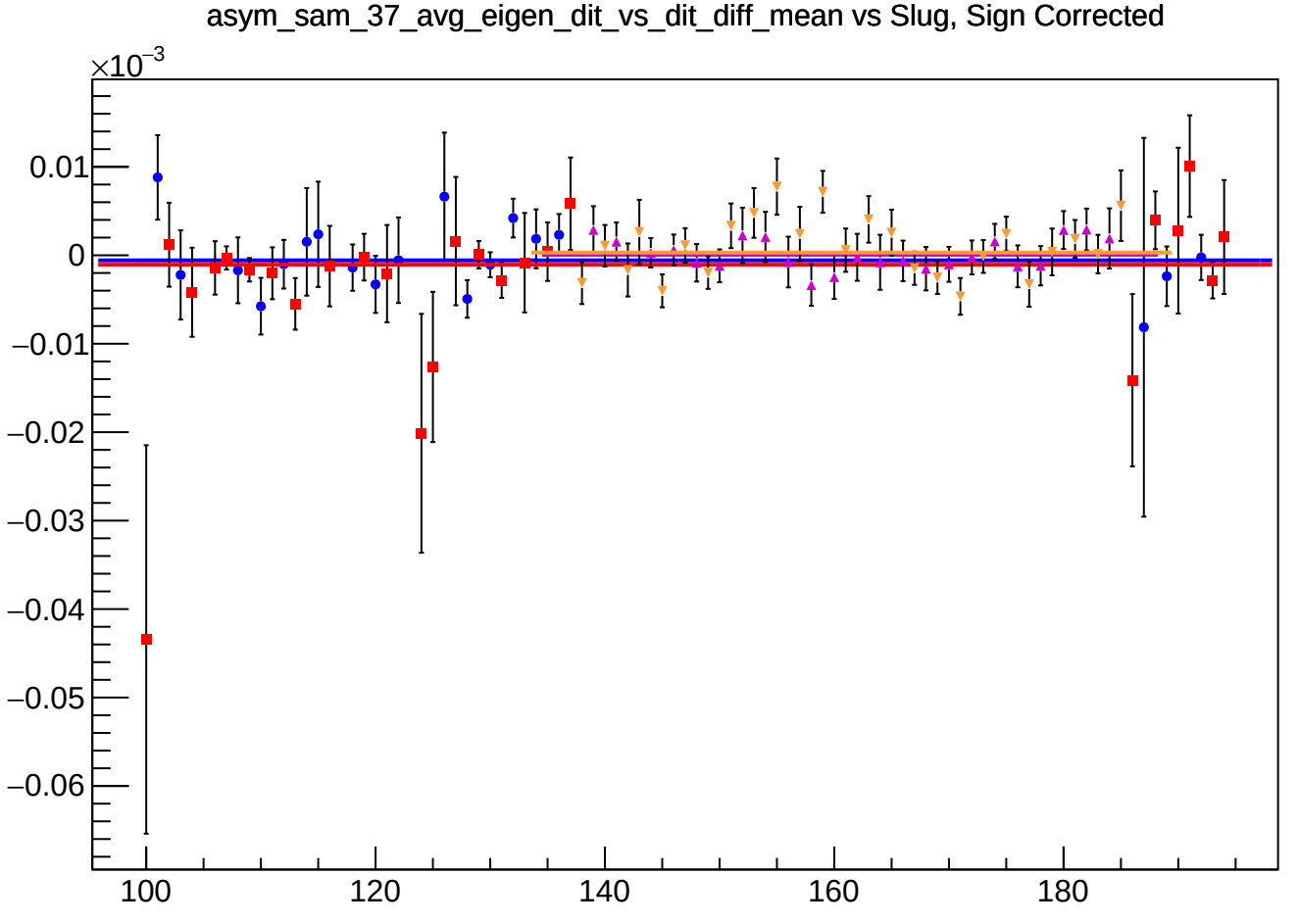
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 30.734+/-0.006 χ^2/NDF: 7671216.5/43

In: 24.945+/-0.004 χ^2/NDF:11937872.0/41

Out: 29.550+/-0.005 χ^2/NDF:11194733.9/49

All: 27.062+/-0.003 χ^2/NDF: 23696445.2/91



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/24

Left In: 0.000+/-0.000 χ^2/NDF:12.1/22

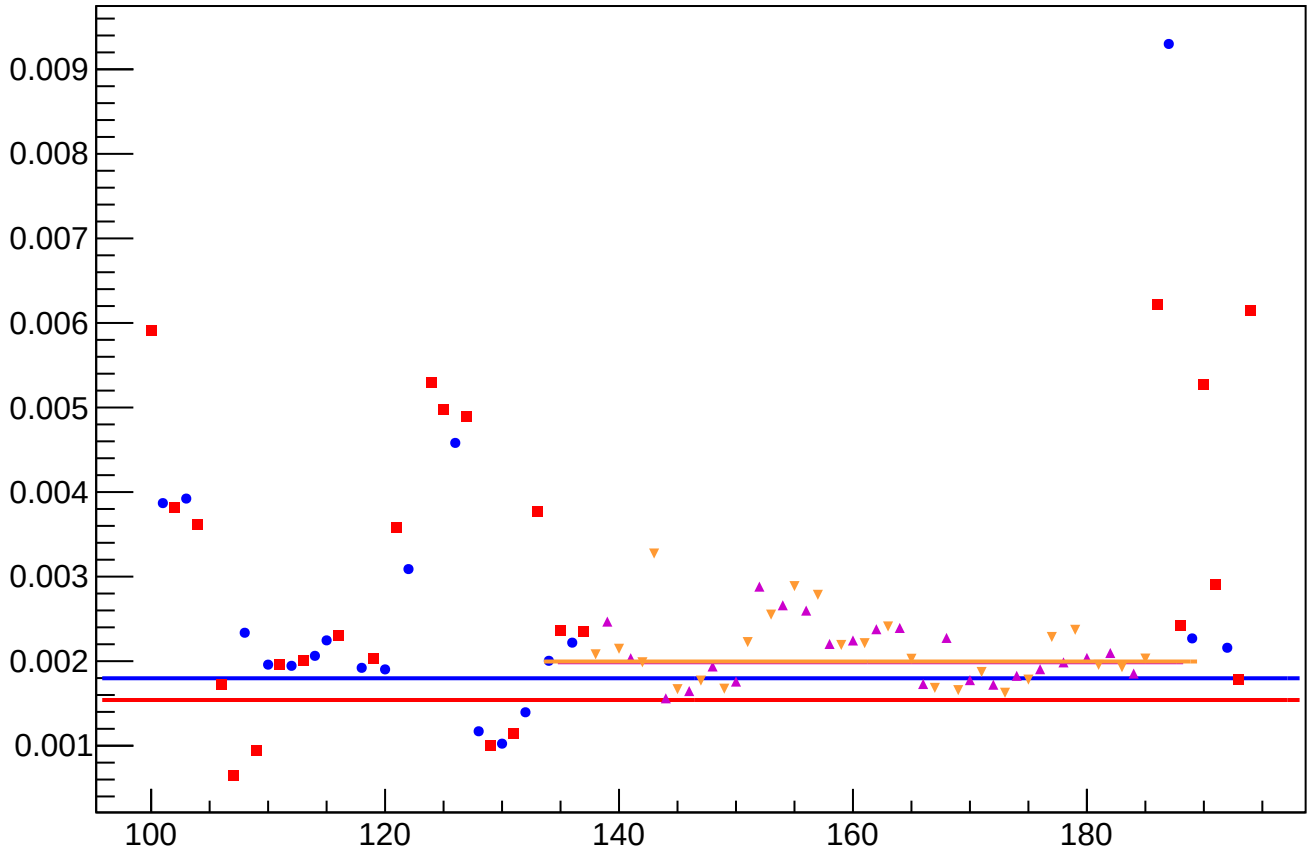
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 44.5/43

In: -0.000+/-0.000 χ^2/NDF:33.1/41

Out: -0.000+/-0.000 χ^2/NDF:72.9/49

All: -0.000+/-0.000 χ^2/NDF: 106.1/91



Right In: 0.002+/-0.000 χ^2/NDF: 2484389.6/18

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6524993.2/24

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

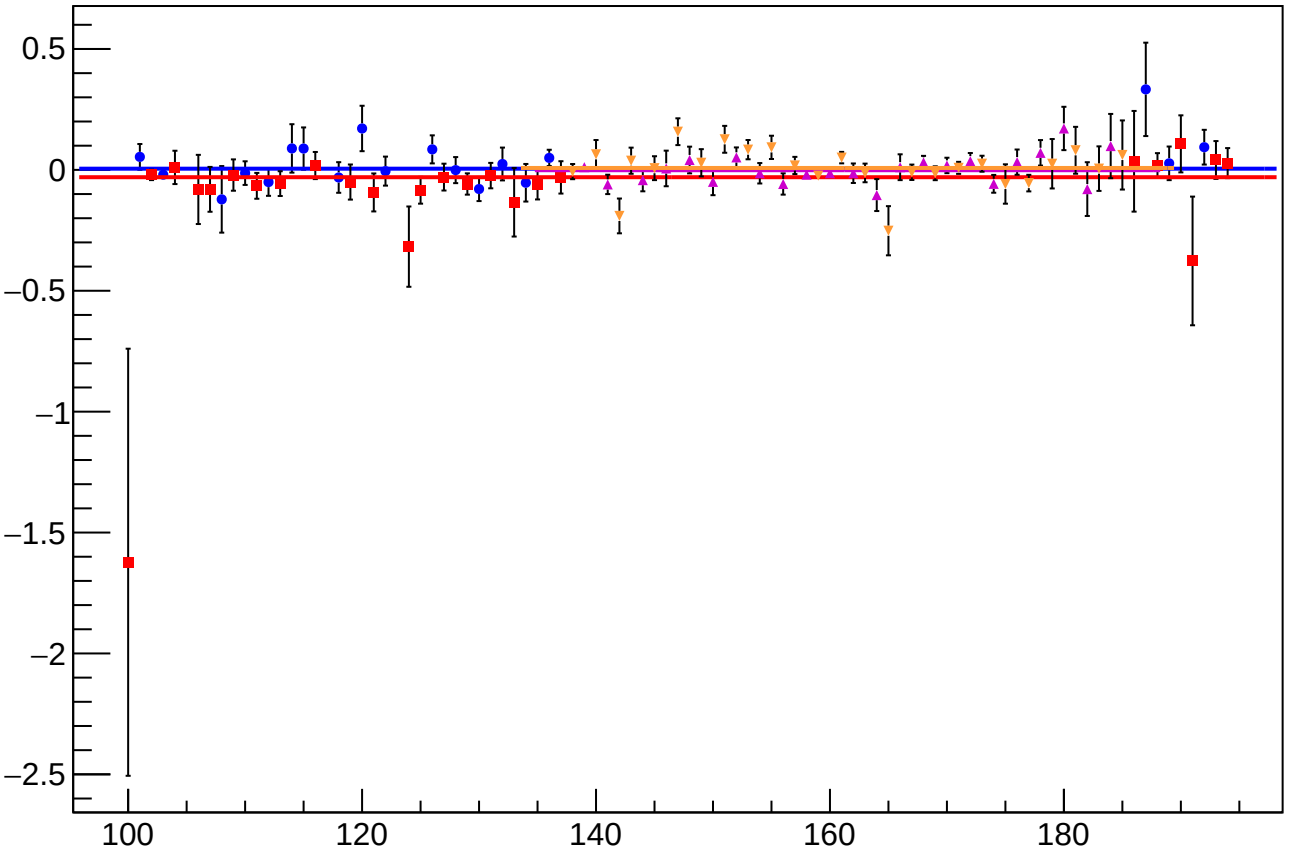
Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

Right: 0.002+/-0.000 χ^2/NDF: 9178593.9/43

In: 0.002+/-0.000 χ^2/NDF:3513805.2/41

Out: 0.002+/-0.000 χ^2/NDF:8468079.1/49

All: 0.002+/-0.000 χ^2/NDF: 12068564.3/91



Right In: 0.005+/-0.012 χ^2/NDF: 21.1/18

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.030+/-0.012 χ^2/NDF: 17.4/24

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

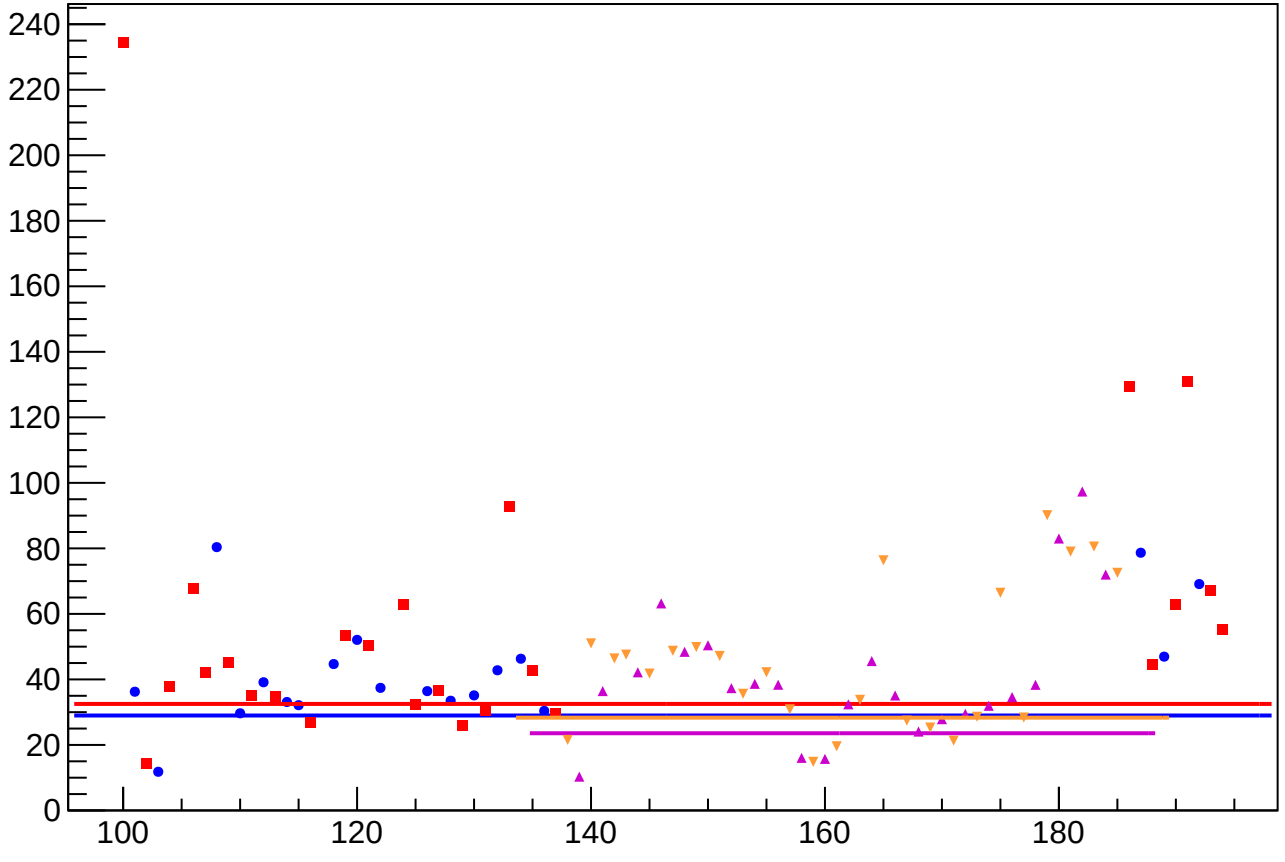
Right: -0.013+/-0.008 χ^2/NDF: 43.0/43

In: 0.000+/-0.006 χ^2/NDF:46.5/41

Out: -0.003+/-0.006 χ^2/NDF:72.4/49

All: -0.001+/-0.004 χ^2/NDF: 119.1/91

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.985+/-0.008 χ^2/NDF: 3353529.8/18

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 32.519+/-0.008 χ^2/NDF: 4226649.8/24

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

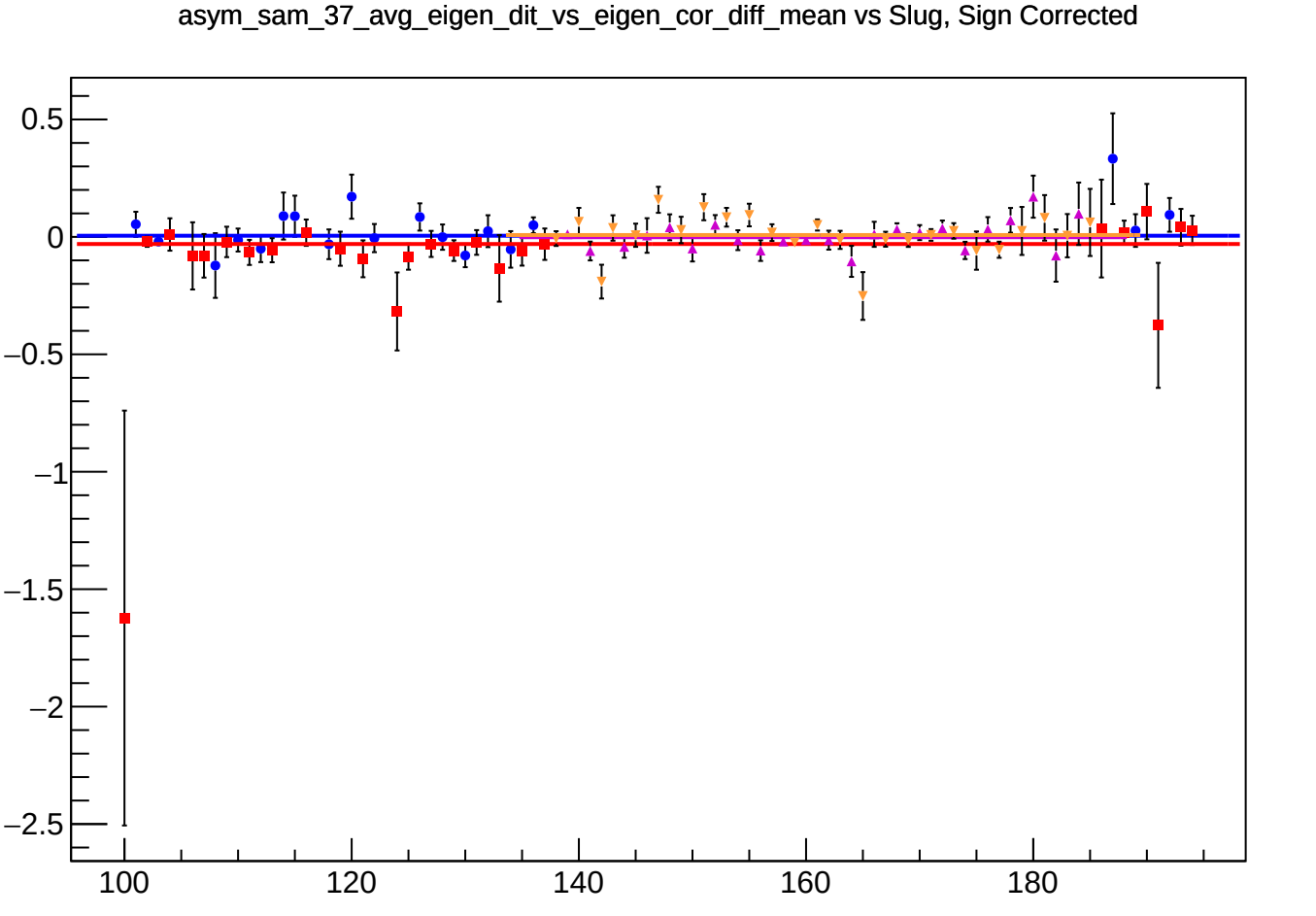
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 30.735+/-0.006 χ^2/NDF: 7670903.9/43

In: 24.944+/-0.004 χ^2/NDF:11939366.1/41

Out: 29.550+/-0.005 χ^2/NDF:11194577.0/49

All: 27.062+/-0.003 χ^2/NDF: 23698157.1/91



Right In: 0.005+/-0.012 χ^2/NDF: 21.1/18

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.030+/-0.012 χ^2/NDF: 17.4/24

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

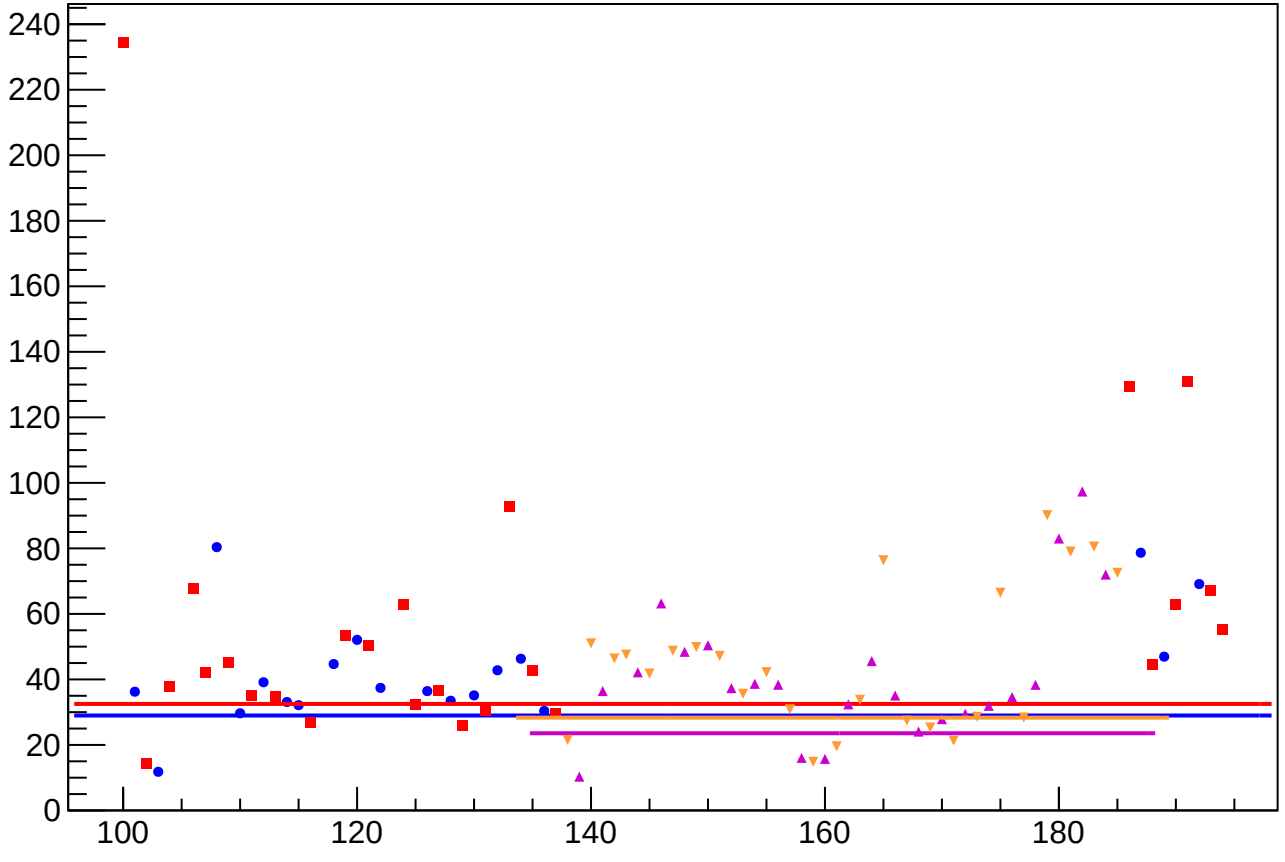
Right: -0.013+/-0.008 χ^2/NDF: 43.0/43

In: 0.000+/-0.006 χ^2/NDF:46.5/41

Out: -0.003+/-0.006 χ^2/NDF:72.4/49

All: -0.001+/-0.004 χ^2/NDF: 119.1/91

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.985+/-0.008 χ^2/NDF: 3353529.8/18

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 32.519+/-0.008 χ^2/NDF: 4226649.8/24

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

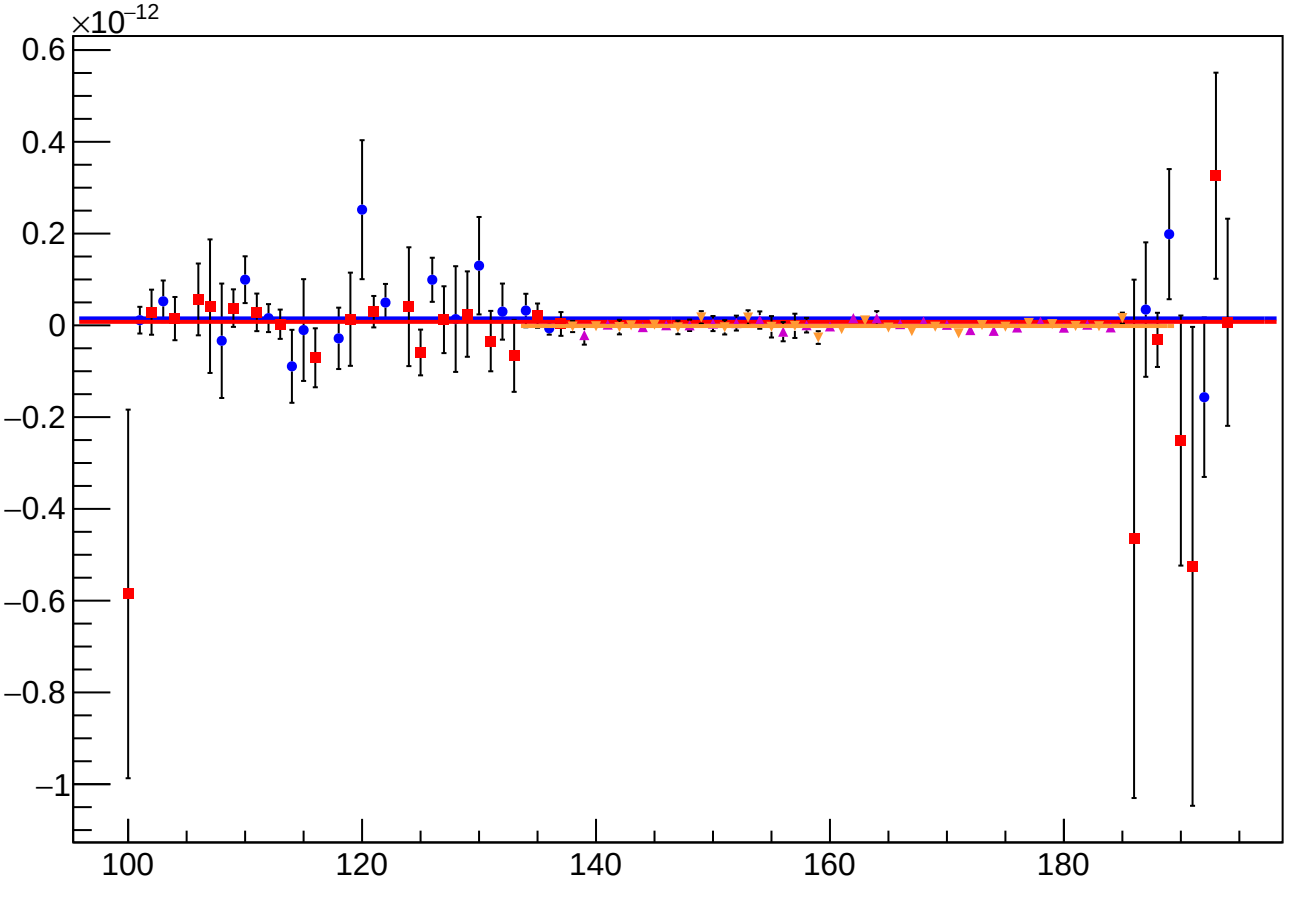
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 30.735+/-0.006 χ^2/NDF: 7670903.9/43

In: 24.944+/-0.004 χ^2/NDF:11939366.1/41

Out: 29.550+/-0.005 χ^2/NDF:11194577.0/49

All: 27.062+/-0.003 χ^2/NDF: 23698157.1/91



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/24

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

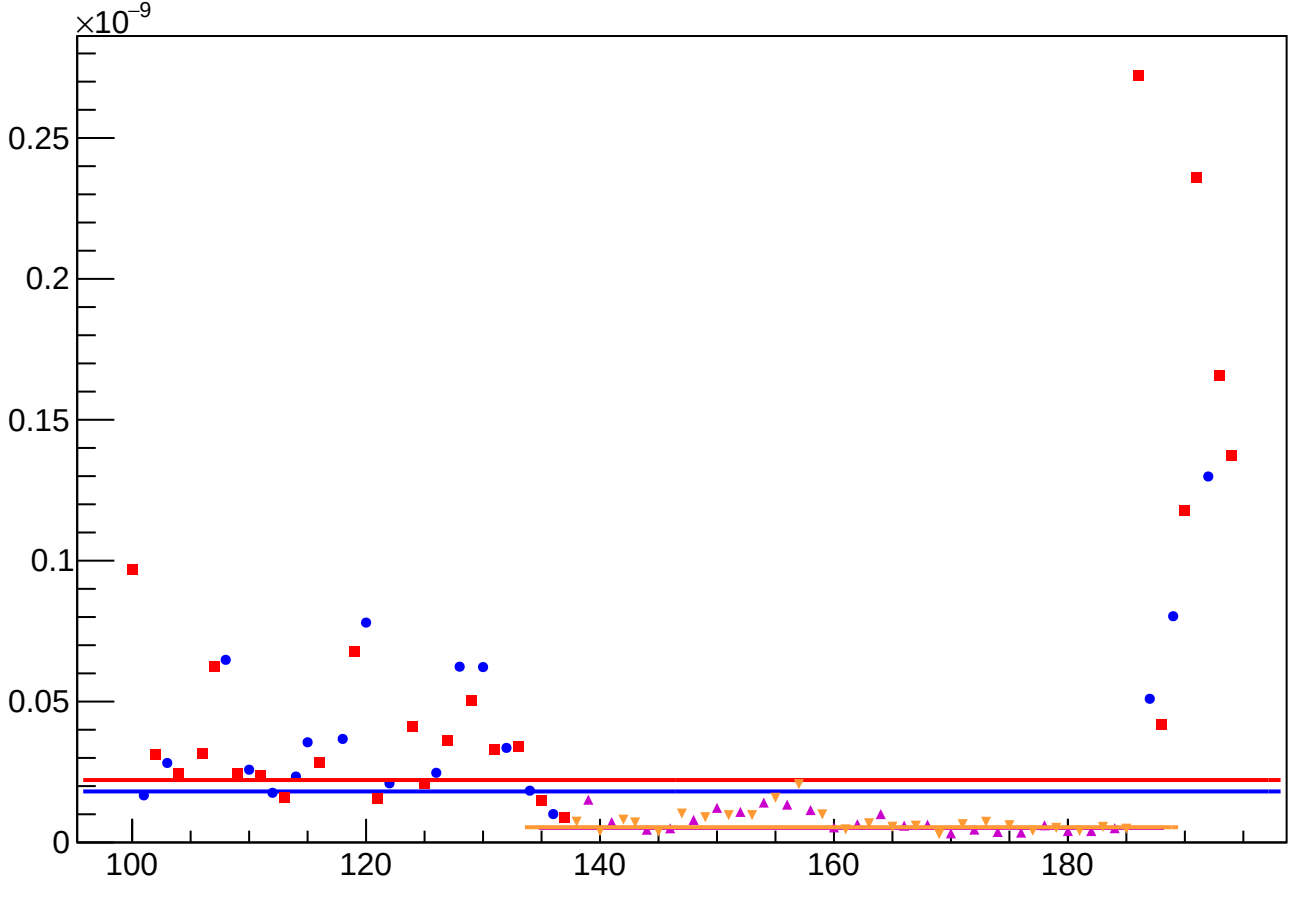
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 33.0/43

In: -0.000+/-0.000 χ^2/NDF:37.5/41

Out: -0.000+/-0.000 χ^2/NDF:32.4/49

All: -0.000+/-0.000 χ^2/NDF: 70.0/91



Right In: 0.000+/-0.000 χ^2/NDF: 3767360.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4503062.7/24

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

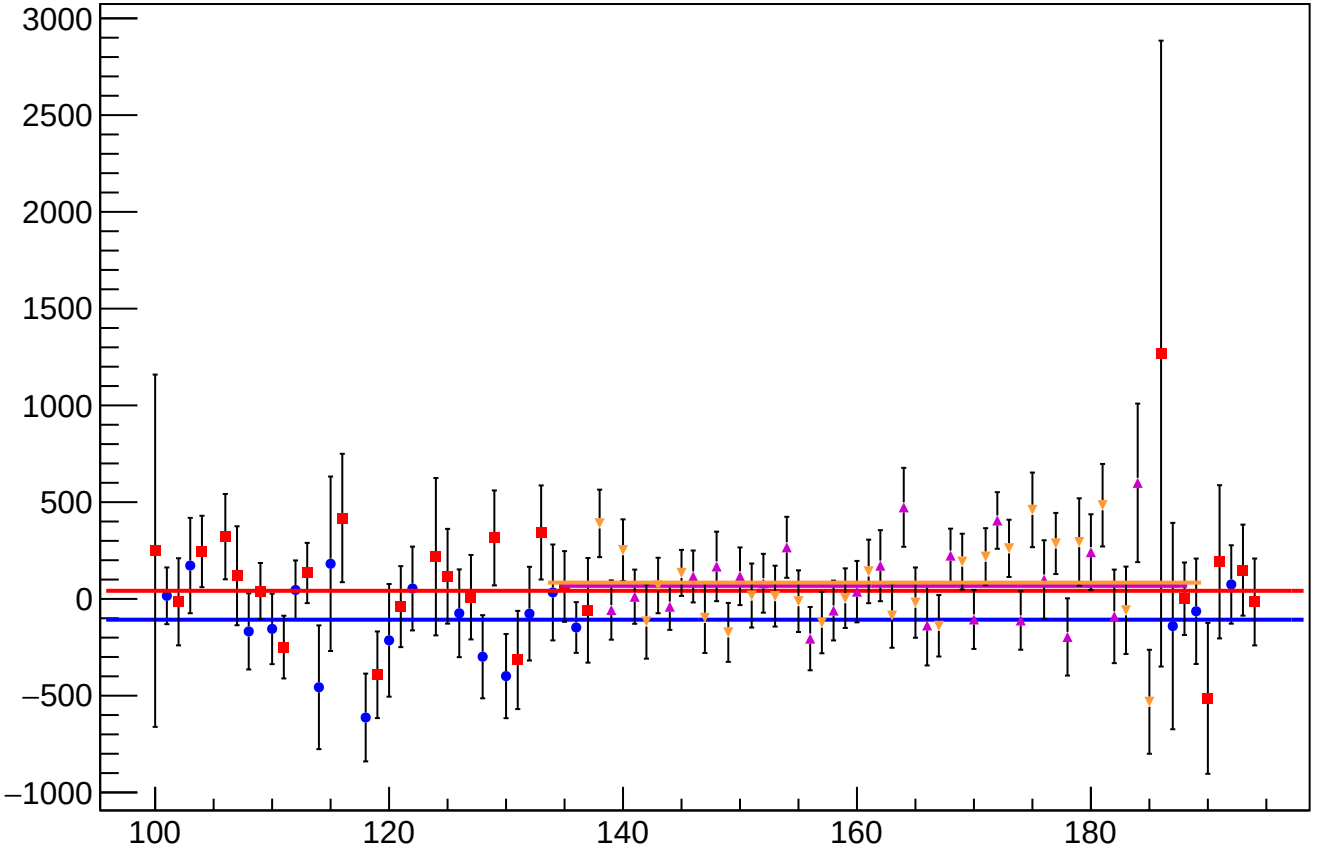
Right: 0.000+/-0.000 χ^2/NDF: 8433946.3/43

In: 0.000+/-0.000 χ^2/NDF:10823008.6/41

Out: 0.000+/-0.000 χ^2/NDF:12413177.9/49

All: 0.000+/-0.000 χ^2/NDF: 23260199.6/91

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -107.341+/-48.548 χ^2/NDF: 14.3/18

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: 41.944+/-45.584 χ^2/NDF: 20.1/24

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

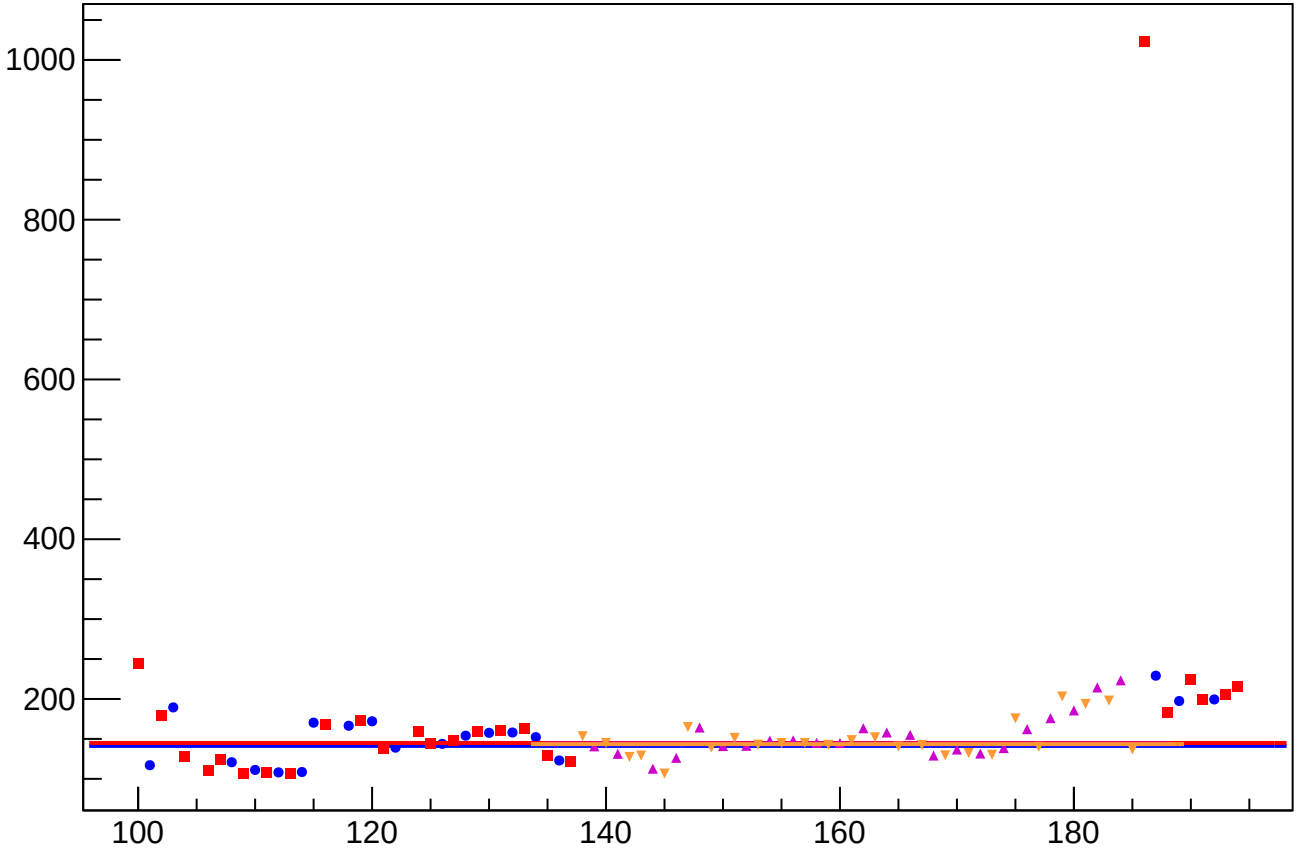
Right: -28.002+/-33.231 χ^2/NDF: 39.4/43

In: 9.752+/-27.925 χ^2/NDF:49.5/41

Out: 69.730+/-26.749 χ^2/NDF:54.5/49

All: 41.030+/-19.317 χ^2/NDF: 106.4/91

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 141.256+/-0.034 χ^2/NDF: 753209.0/18

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 144.910+/-0.032 χ^2/NDF: 1728573.4/24

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

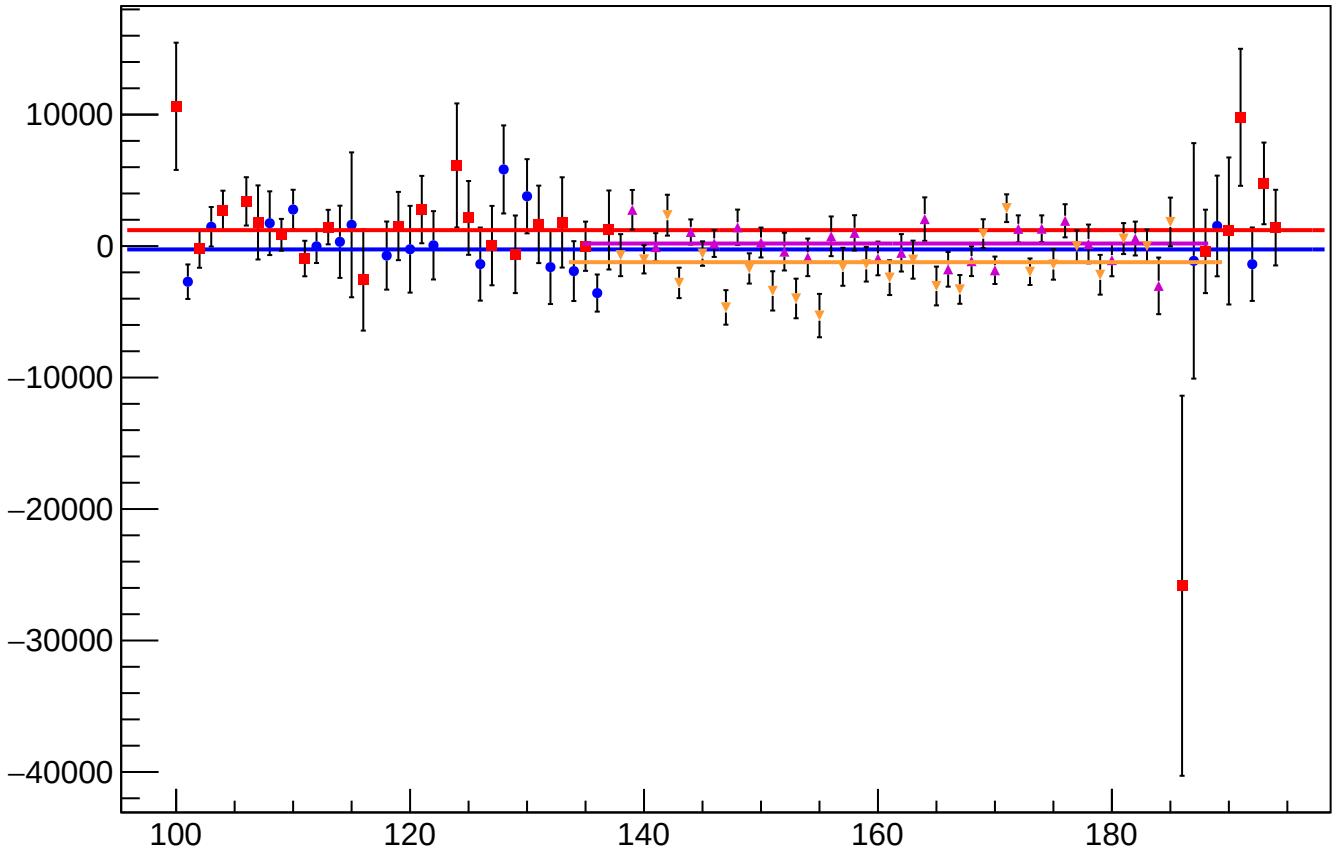
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 143.198+/-0.023 χ^2/NDF: 2487801.6/43

In: 143.206+/-0.020 χ^2/NDF:1460745.0/41

Out: 143.948+/-0.019 χ^2/NDF:2476970.7/49

All: 143.593+/-0.014 χ^2/NDF: 3938452.2/91



Right In: -254.741+/-488.742 χ^2/NDF: 22.0/18

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: 1210.703+/-449.222 χ^2/NDF: 21.2/24

Left In: 193.805+/-258.922 χ^2/NDF:23.3/22

Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

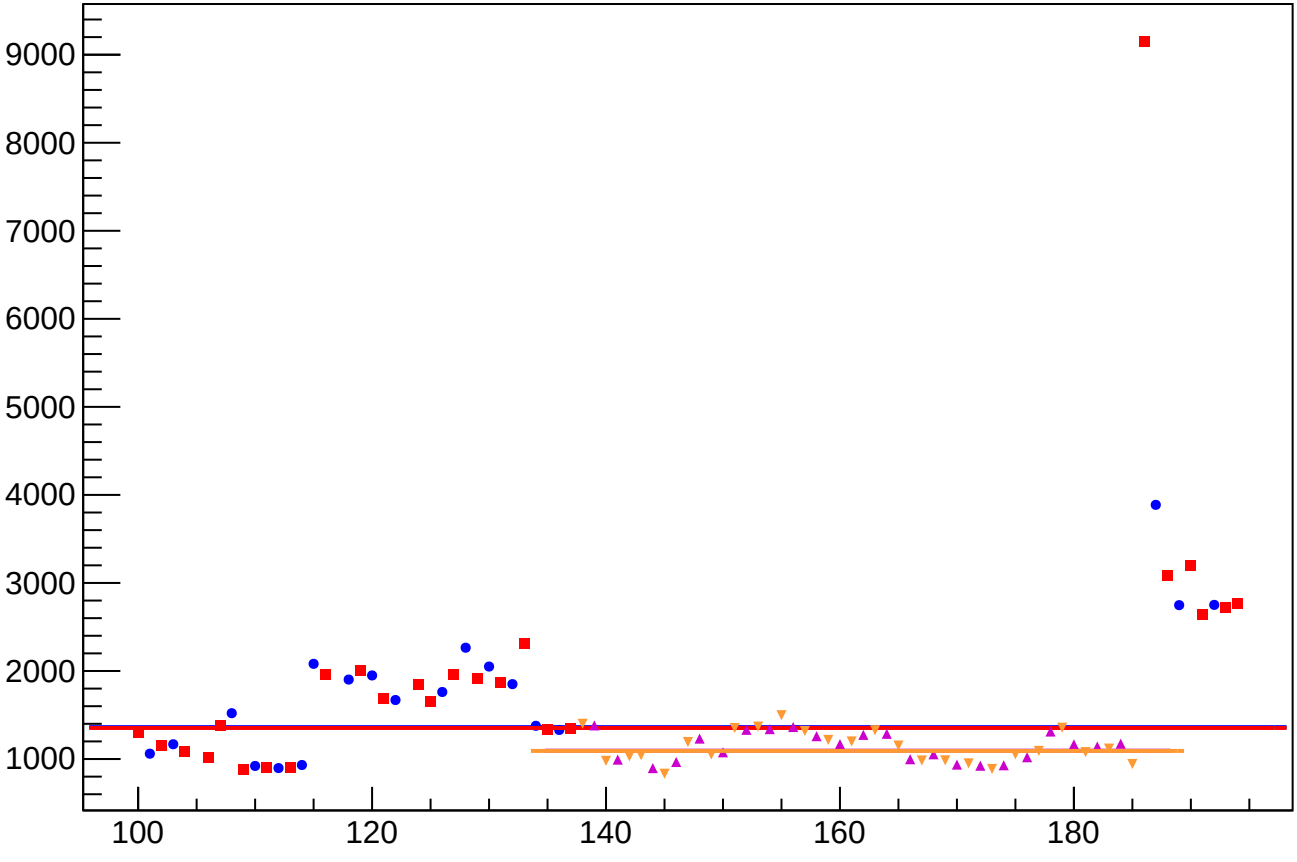
Right: 539.616+/-330.738 χ^2/NDF: 48.1/43

In: 95.506+/-228.798 χ^2/NDF:45.9/41

Out: -642.841+/-219.626 χ^2/NDF:102.9/49

All: -288.762+/-158.442 χ^2/NDF: 154.2/91

asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1362.112+/-0.346 χ^2/NDF: 2132336.3/18

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1352.868+/-0.318 χ^2/NDF: 3940852.8/24

Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

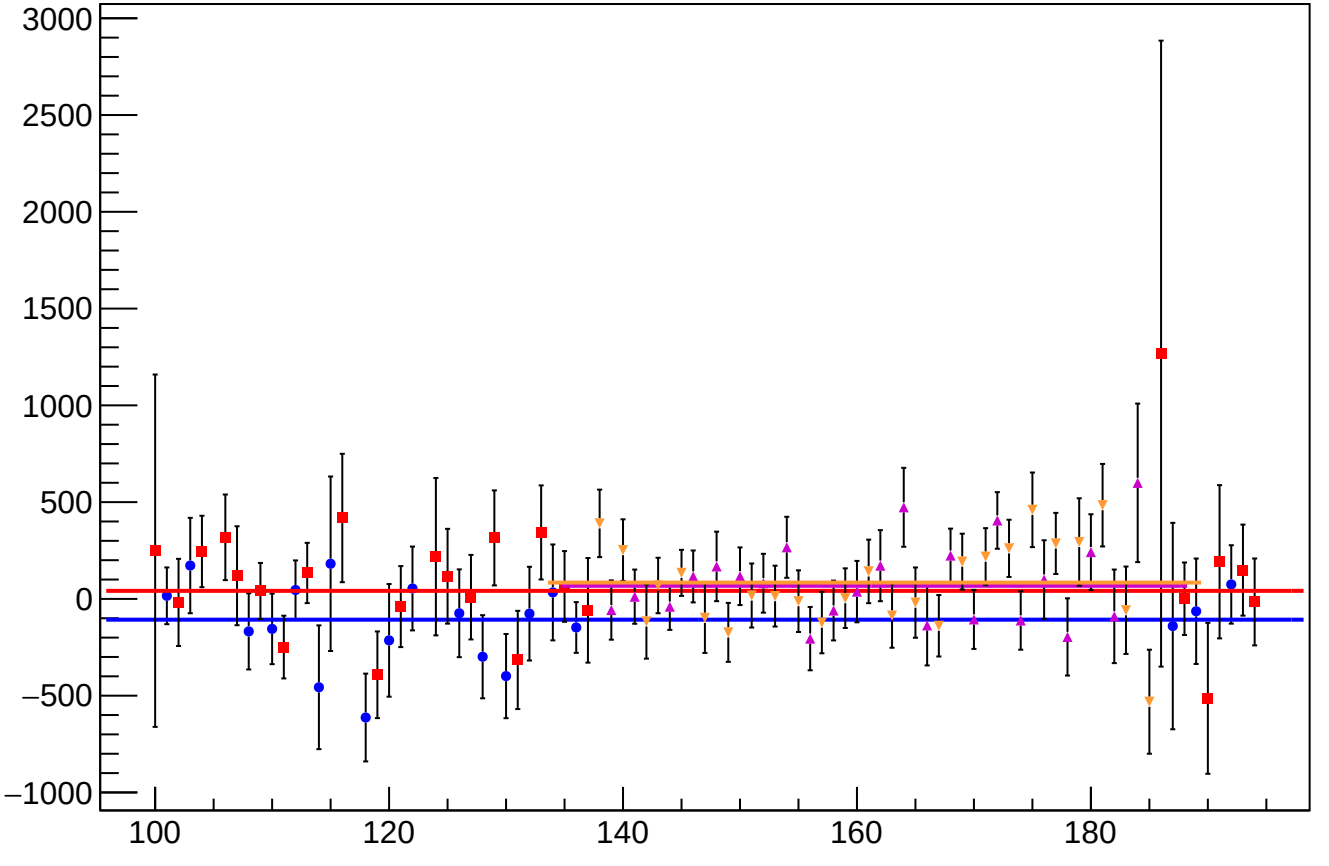
Right: 1357.101+/-0.234 χ^2/NDF: 6073577.0/43

In: 1153.131+/-0.162 χ^2/NDF:3333606.4/41

Out: 1154.339+/-0.155 χ^2/NDF:5346612.5/49

All: 1153.759+/-0.112 χ^2/NDF: 8680248.0/91

cor_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -107.350+/-48.548 χ^2/NDF: 14.3/18

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 41.578+/-45.591 χ^2/NDF: 20.0/24

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

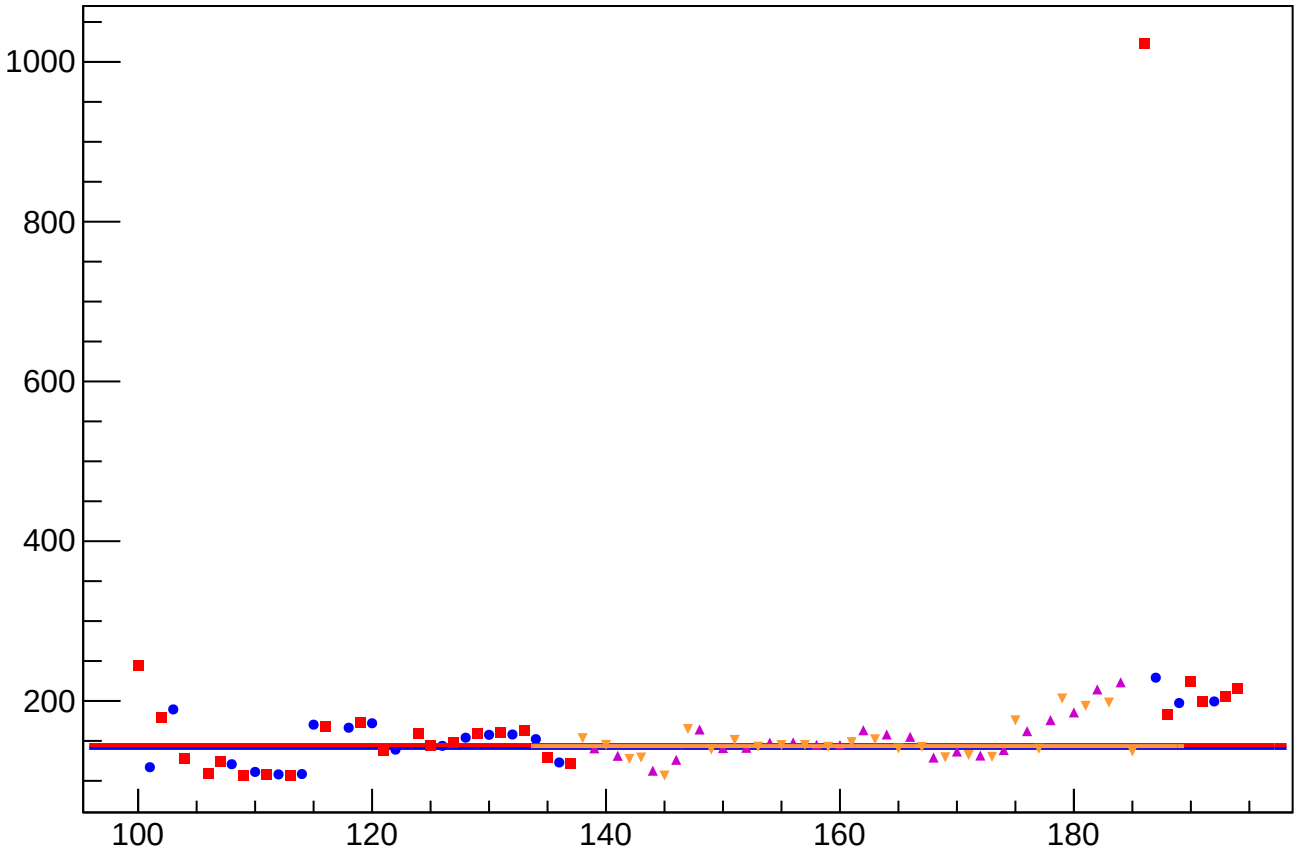
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -28.211+/-33.234 χ^2/NDF: 39.4/43

In: 9.751+/-27.925 χ^2/NDF:49.5/41

Out: 69.616+/-26.751 χ^2/NDF:54.4/49

All: 40.968+/-19.317 χ^2/NDF: 106.4/91



Right In: 141.256+/-0.034 χ^2/NDF: 753211.8/18

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 144.853+/-0.032 χ^2/NDF: 1733048.1/24

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

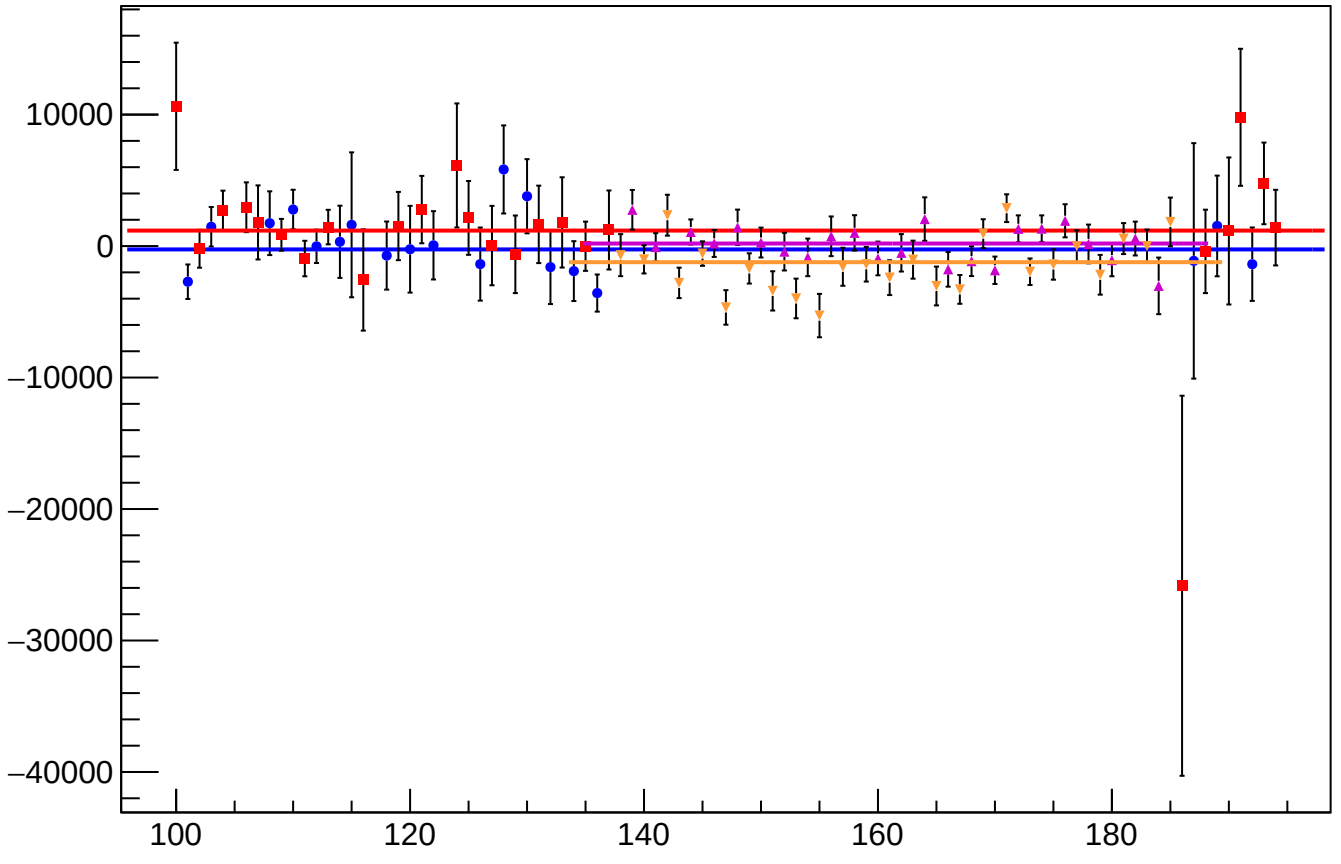
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 143.167+/-0.023 χ^2/NDF: 2492092.6/43

In: 143.206+/-0.020 χ^2/NDF:1460747.7/41

Out: 143.929+/-0.019 χ^2/NDF:2481342.2/49

All: 143.583+/-0.014 χ^2/NDF: 3942788.0/91



Right In: -254.806+/-488.747 χ^2/NDF: 22.0/18

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1178.551+/-450.037 χ^2/NDF: 20.6/24

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

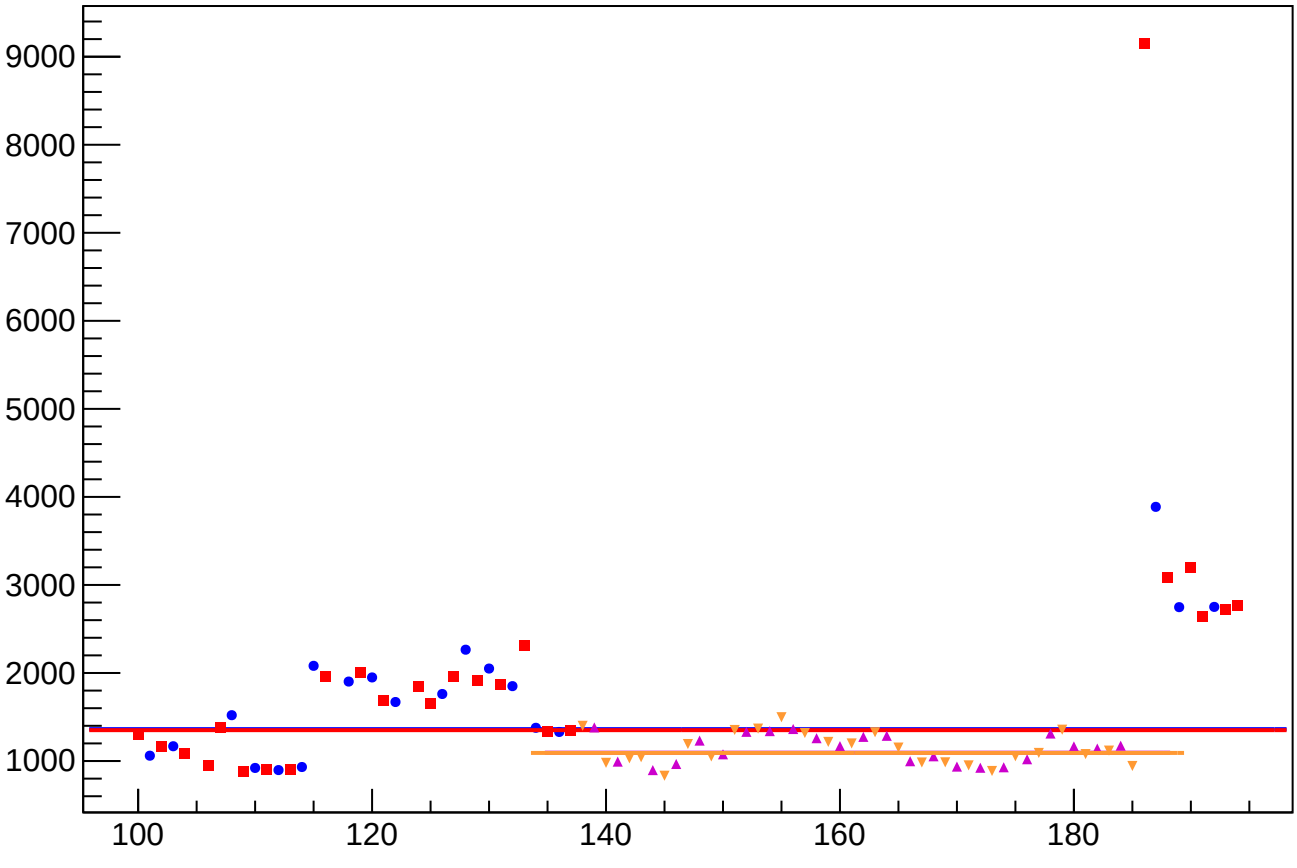
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 520.875+/-331.065 χ^2/NDF: 47.3/43

In: 95.495+/-228.798 χ^2/NDF:45.9/41

Out: -652.095+/-219.721 χ^2/NDF:101.6/49

All: -293.424+/-158.478 χ^2/NDF: 153.1/91



Right In: 1362.127+/-0.346 χ^2/NDF: 2132294.4/18

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1350.644+/-0.318 χ^2/NDF: 3961952.5/24

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

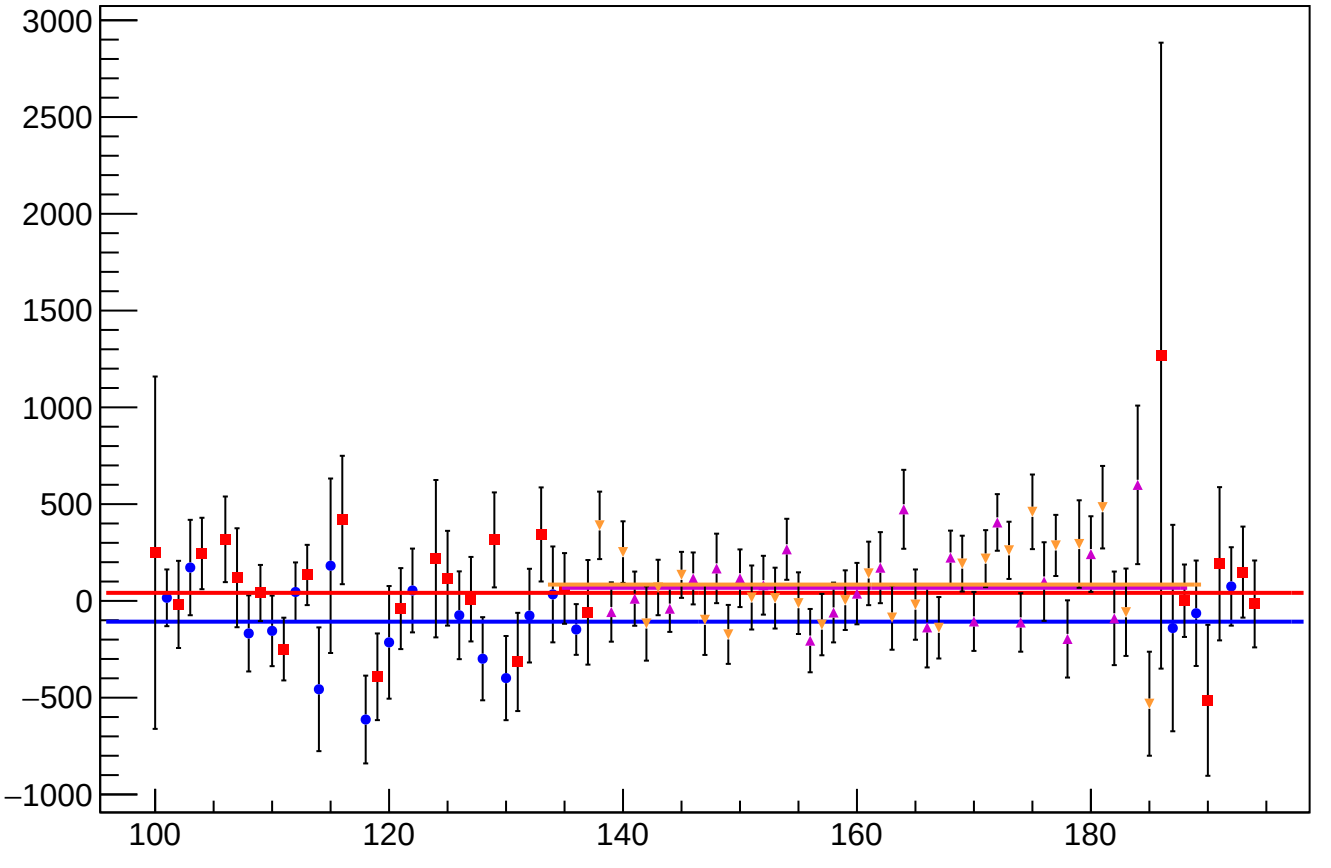
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1355.913+/-0.234 χ^2/NDF: 6094844.3/43

In: 1153.133+/-0.162 χ^2/NDF:3333607.7/41

Out: 1153.637+/-0.155 χ^2/NDF:5357609.3/49

All: 1153.395+/-0.112 χ^2/NDF: 8691222.1/91



Right In: -107.350+/-48.548 χ^2/NDF: 14.3/18

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 41.578+/-45.591 χ^2/NDF: 20.0/24

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

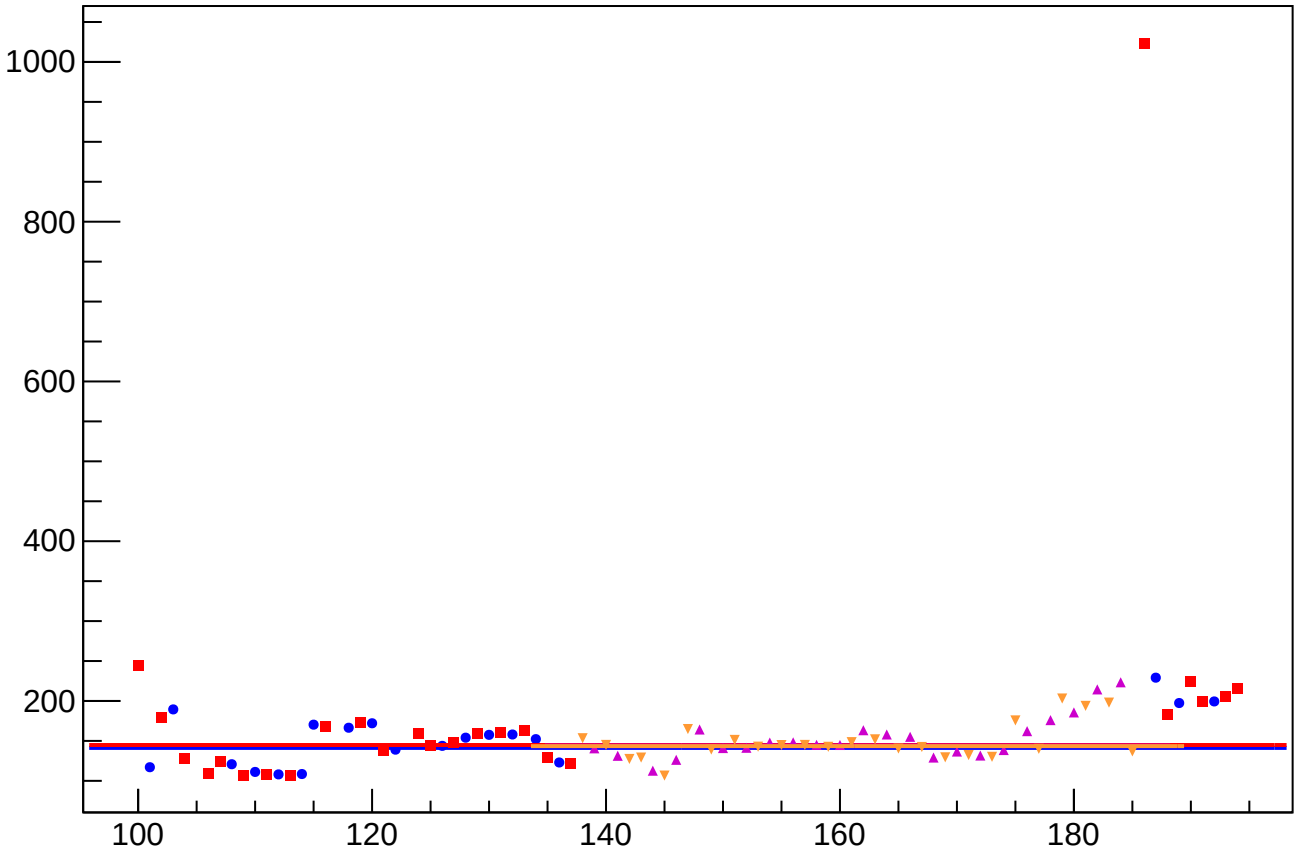
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -28.211+/-33.234 χ^2/NDF: 39.4/43

In: 9.751+/-27.925 χ^2/NDF:49.5/41

Out: 69.616+/-26.751 χ^2/NDF:54.4/49

All: 40.968+/-19.317 χ^2/NDF: 106.4/91



Right In: 141.256+/-0.034 χ^2/NDF: 753211.8/18

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 144.853+/-0.032 χ^2/NDF: 1733048.1/24

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

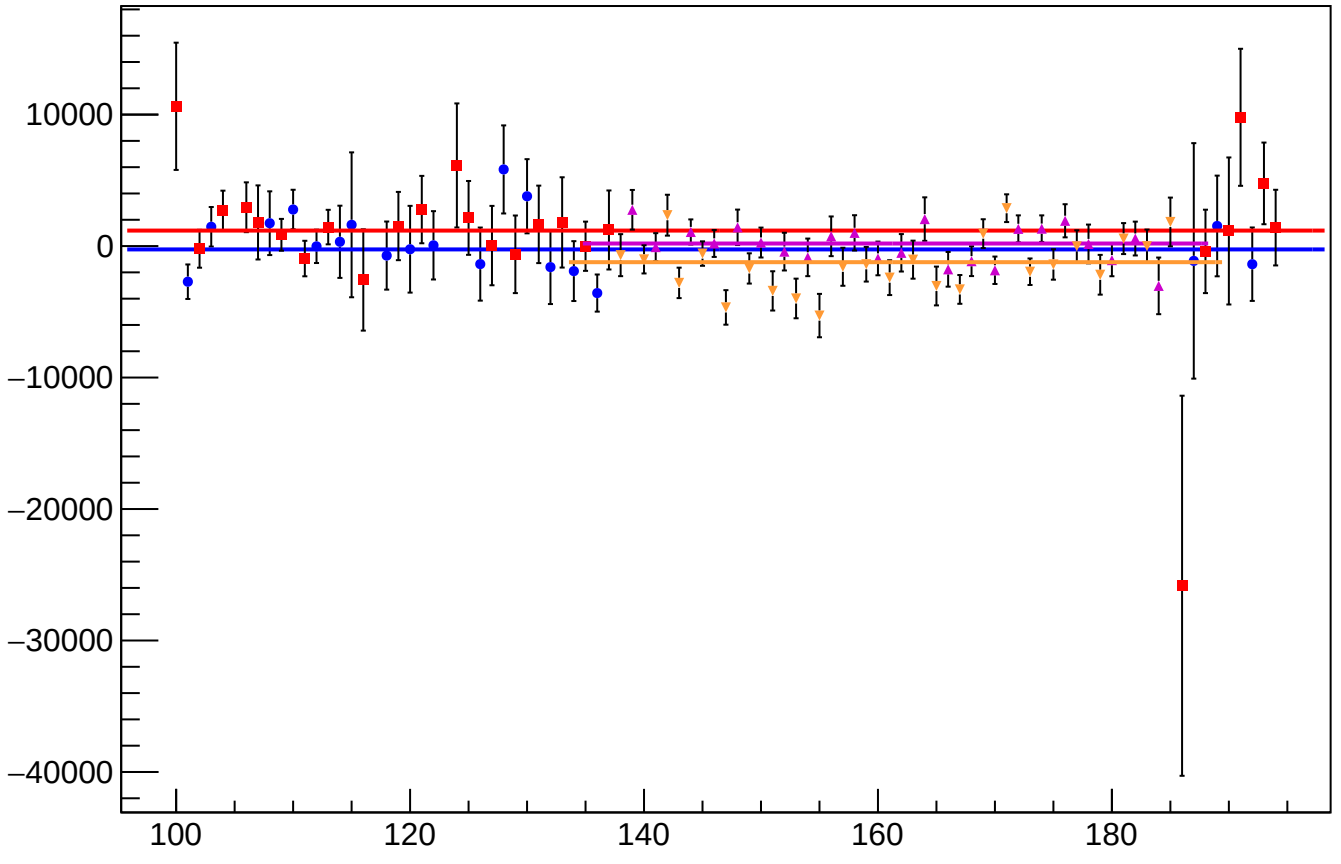
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 143.167+/-0.023 χ^2/NDF: 2492092.6/43

In: 143.206+/-0.020 χ^2/NDF:1460747.7/41

Out: 143.929+/-0.019 χ^2/NDF:2481342.2/49

All: 143.583+/-0.014 χ^2/NDF: 3942788.0/91



Right In: -254.806+/-488.747 χ^2/NDF: 22.0/18

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1178.551+/-450.037 χ^2/NDF: 20.6/24

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

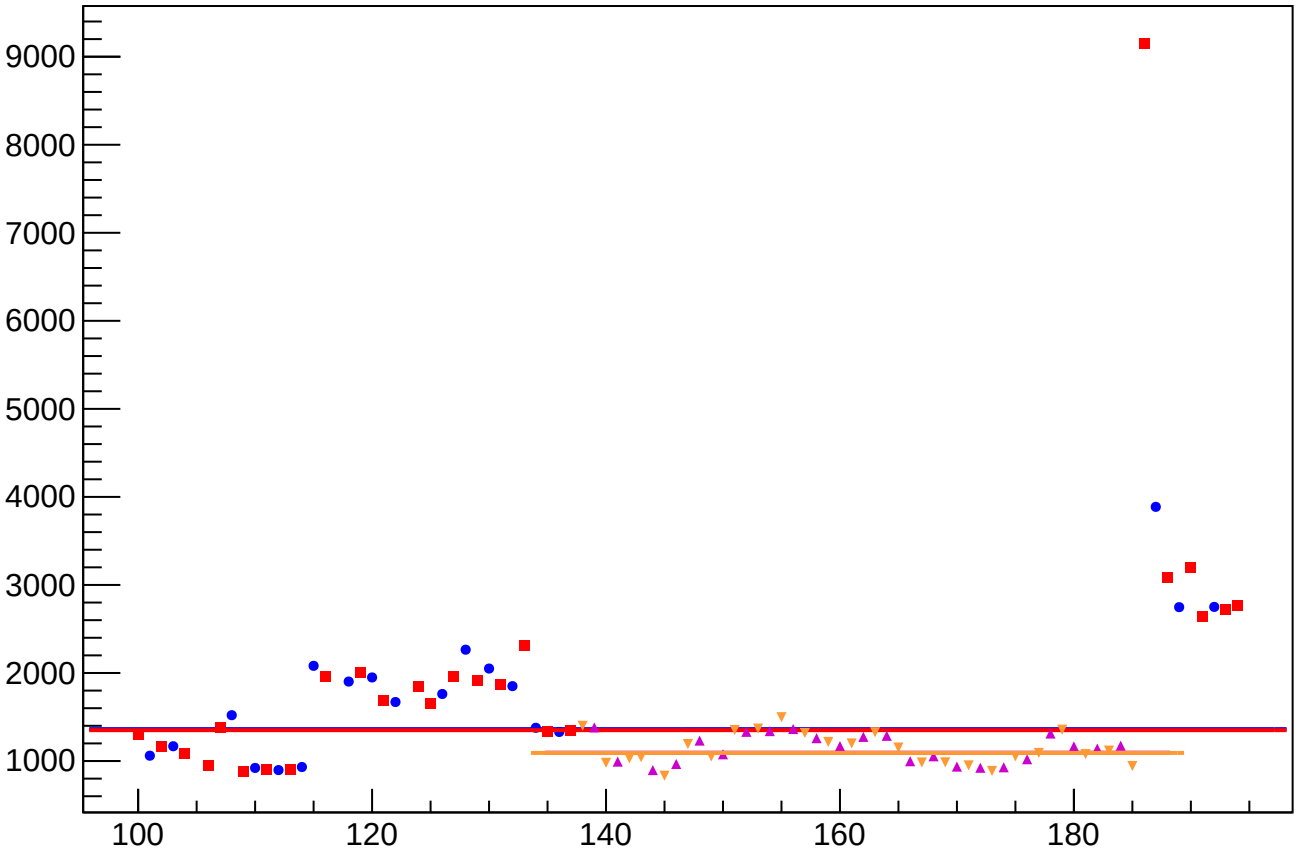
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 520.875+/-331.065 χ^2/NDF: 47.3/43

In: 95.495+/-228.798 χ^2/NDF:45.9/41

Out: -652.095+/-219.721 χ^2/NDF:101.6/49

All: -293.424+/-158.478 χ^2/NDF: 153.1/91



Right In: 1362.127+/-0.346 χ^2/NDF: 2132294.4/18

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1350.644+/-0.318 χ^2/NDF: 3961952.5/24

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

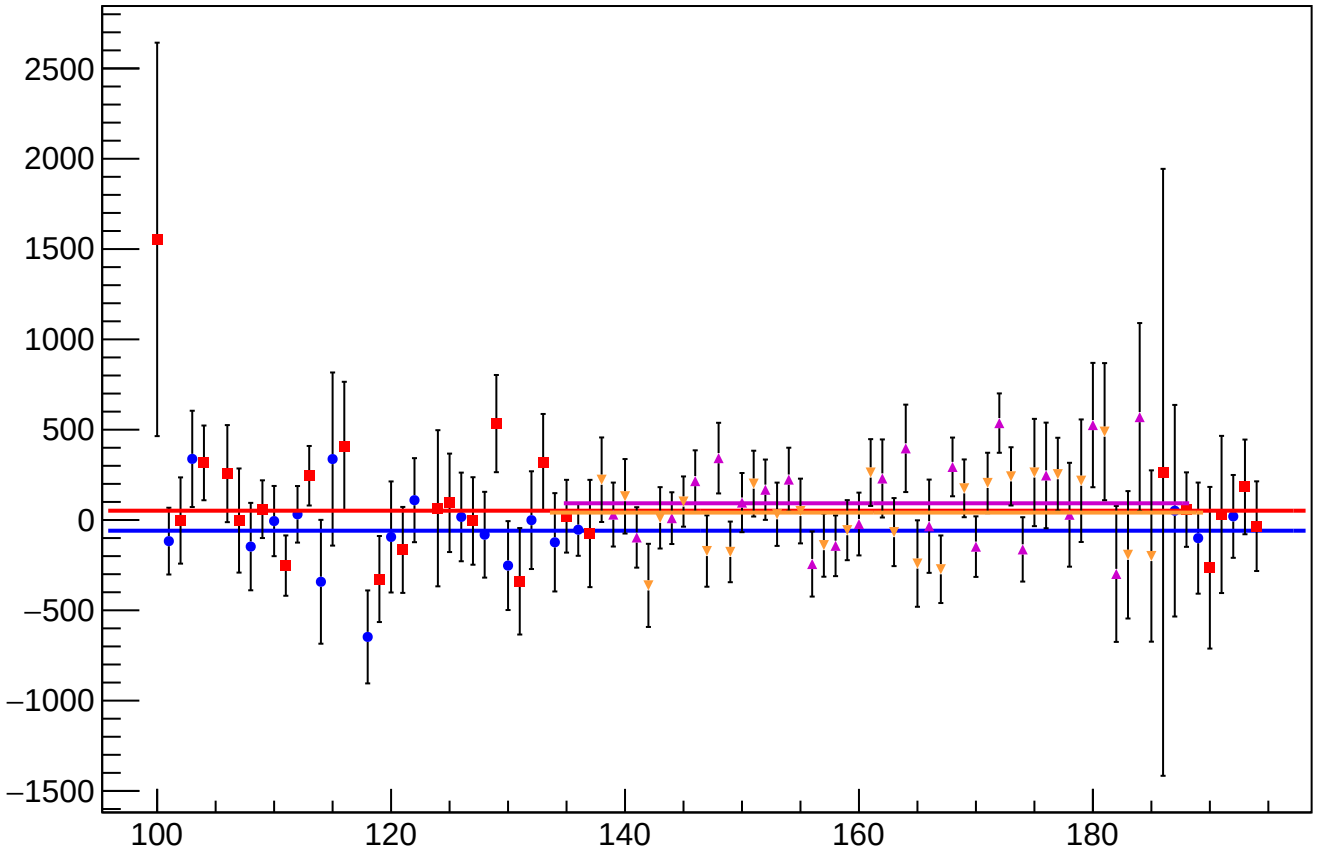
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1355.913+/-0.234 χ^2/NDF: 6094844.3/43

In: 1153.133+/-0.162 χ^2/NDF:3333607.7/41

Out: 1153.637+/-0.155 χ^2/NDF:5357609.3/49

All: 1153.395+/-0.112 χ^2/NDF: 8691222.1/91



Right In: -59.292+/-53.981 χ^2/NDF: 11.0/18

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: 51.484+/-50.086 χ^2/NDF: 20.4/24

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

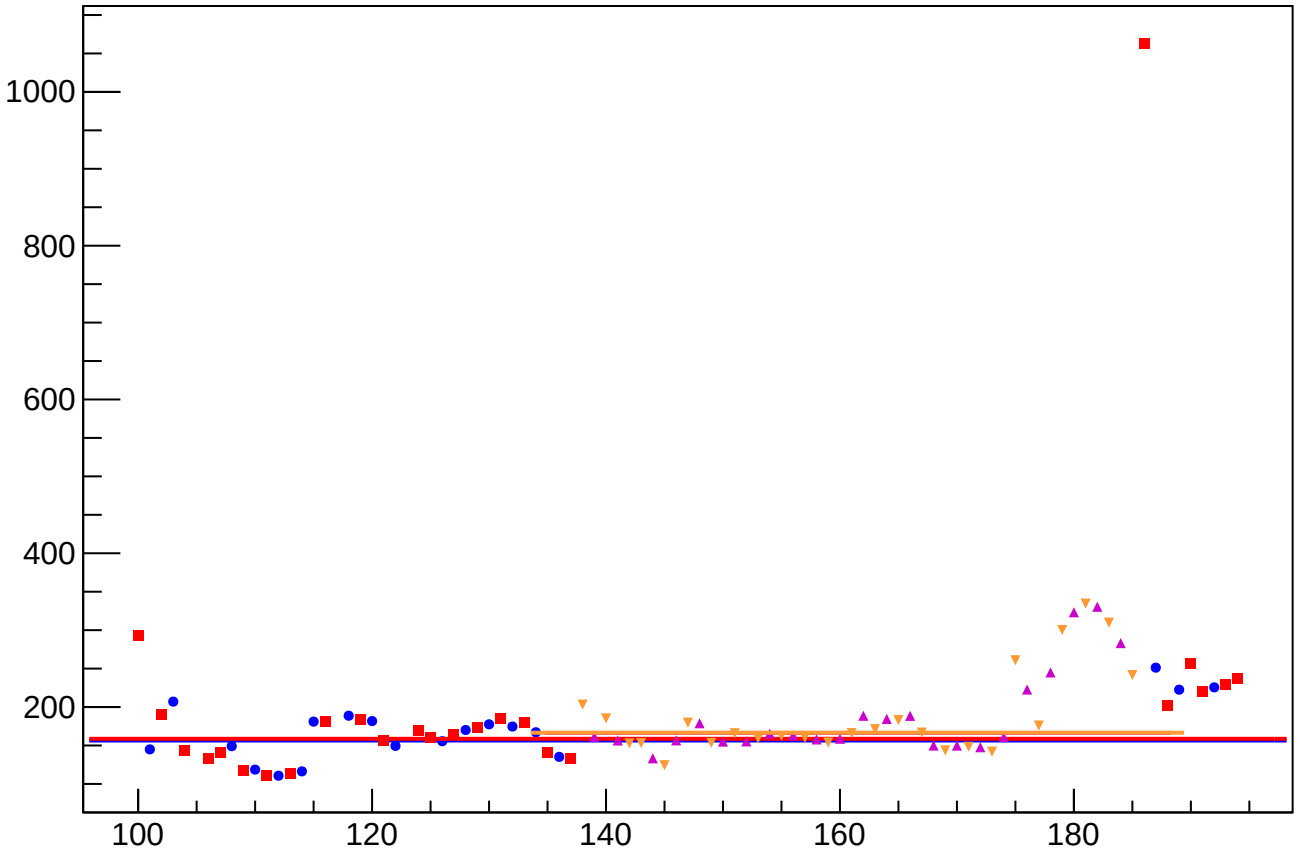
Left: 66.180+/-28.045 χ^2/NDF: 52.7/47

Right: 0.236+/-36.716 χ^2/NDF: 33.7/43

In: 38.445+/-32.224 χ^2/NDF:45.6/41

Out: 45.033+/-30.858 χ^2/NDF:42.7/49

All: 41.882+/-22.287 χ^2/NDF: 88.3/91



Right In: 156.495+/-0.038 χ^2/NDF: 810830.3/18

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 158.696+/-0.035 χ^2/NDF: 1788618.6/24

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

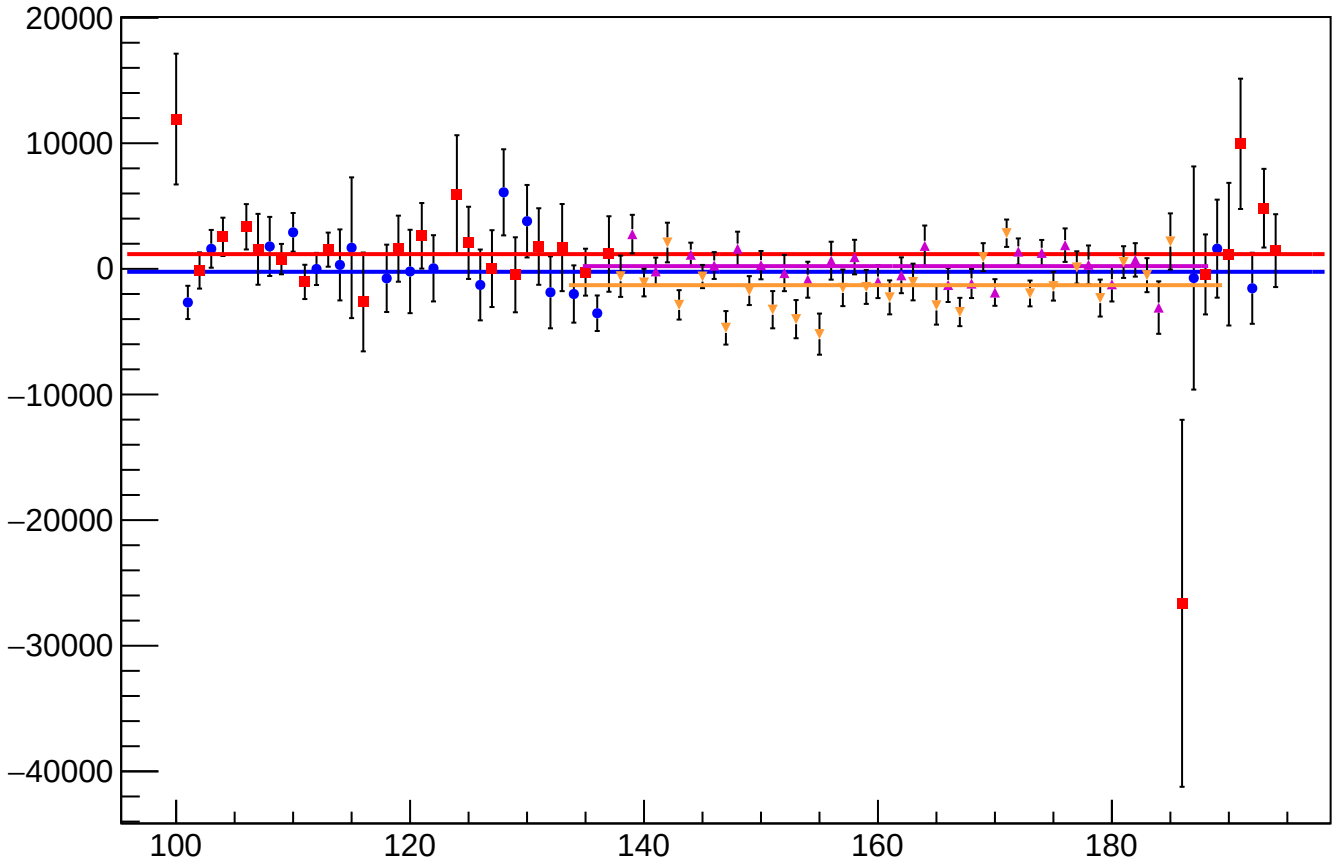
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 157.678+/-0.026 χ^2/NDF: 2601235.7/43

In: 162.811+/-0.023 χ^2/NDF:2245838.3/41

Out: 163.599+/-0.022 χ^2/NDF:3539343.7/49

All: 163.222+/-0.016 χ^2/NDF: 5785805.4/91



Right In: -233.835+/-493.505 χ^2/NDF: 22.3/18

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: 1173.280+/-453.351 χ^2/NDF: 21.8/24

Left In: 217.285+/-264.388 χ^2/NDF:22.2/22

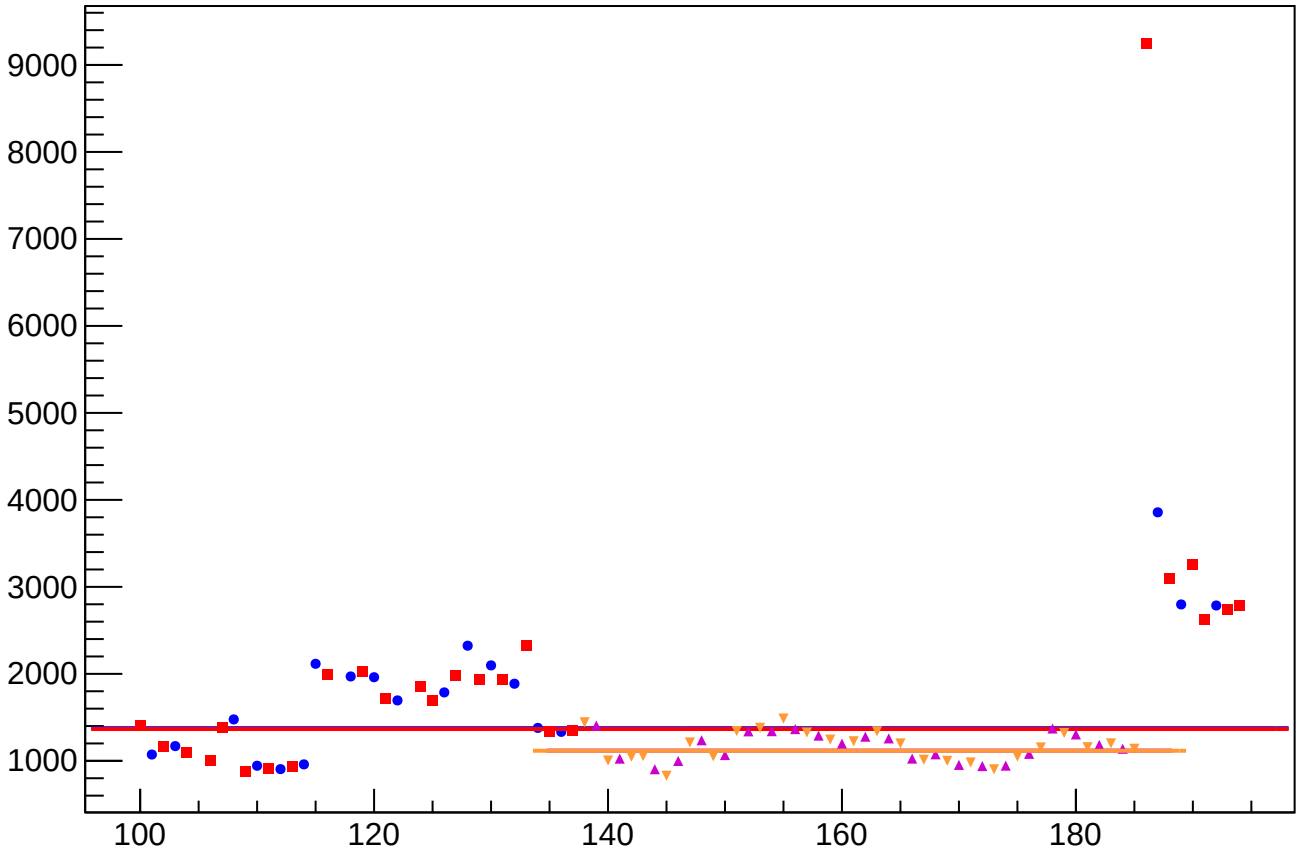
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

Right: 529.288+/-333.862 χ^2/NDF: 48.5/43

In: 116.682+/-233.051 χ^2/NDF:45.2/41

Out: -697.359+/-223.549 χ^2/NDF:99.4/49

All: -307.271+/-161.328 χ^2/NDF: 150.9/91



Right In: 1375.482+/-0.349 χ^2/NDF: 2148032.9/18

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1365.806+/-0.321 χ^2/NDF: 3955129.1/24

Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

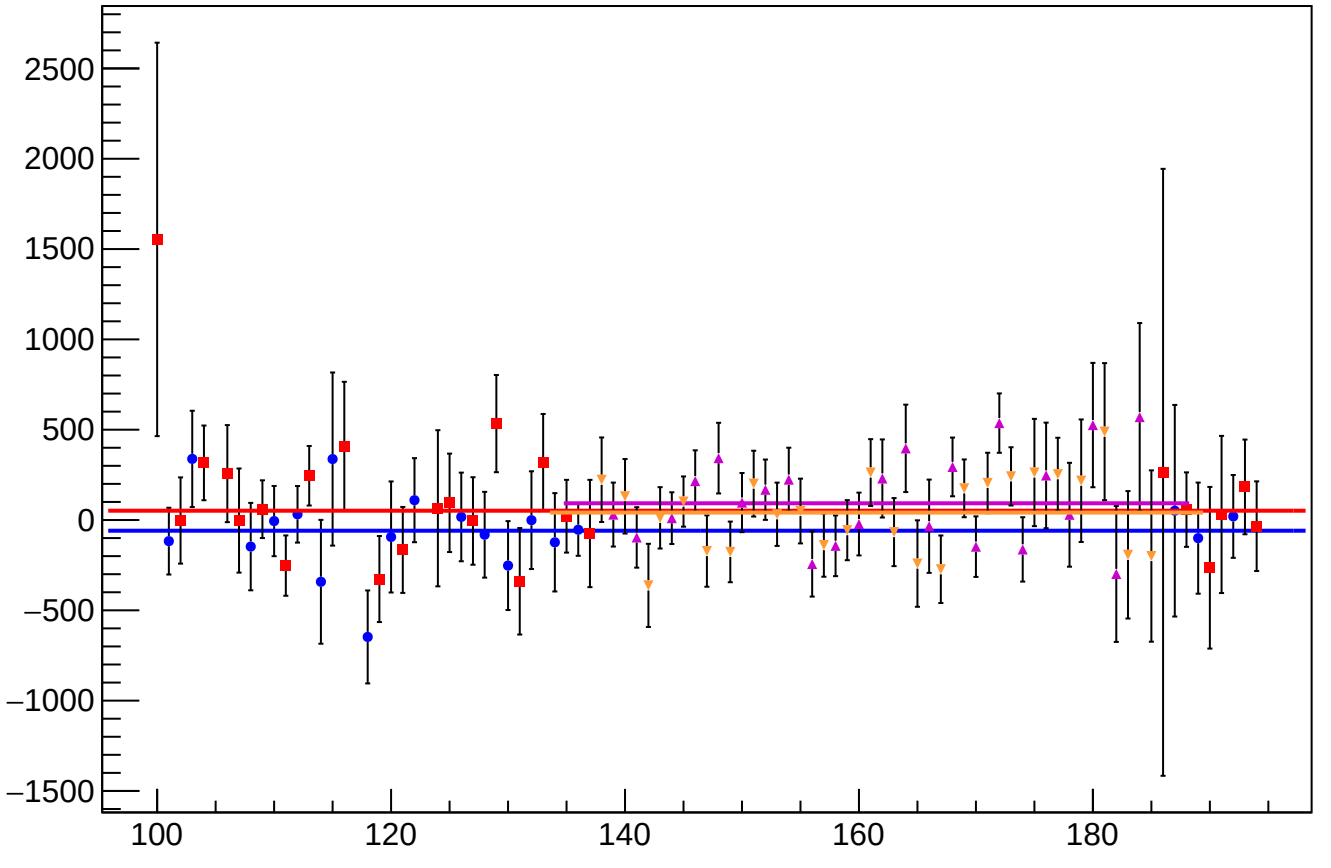
Left: 1116.907+/-0.130 χ^2/NDF: 1596924.0/47

Right: 1370.234+/-0.236 χ^2/NDF: 6103579.0/43

In: 1175.289+/-0.165 χ^2/NDF:3300990.6/41

Out: 1176.766+/-0.158 χ^2/NDF:5282091.2/49

All: 1176.058+/-0.114 χ^2/NDF: 8583123.6/91



Right In: -59.289+/-53.981 χ^2/NDF: 11.0/18

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: 51.483+/-50.086 χ^2/NDF: 20.4/24

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

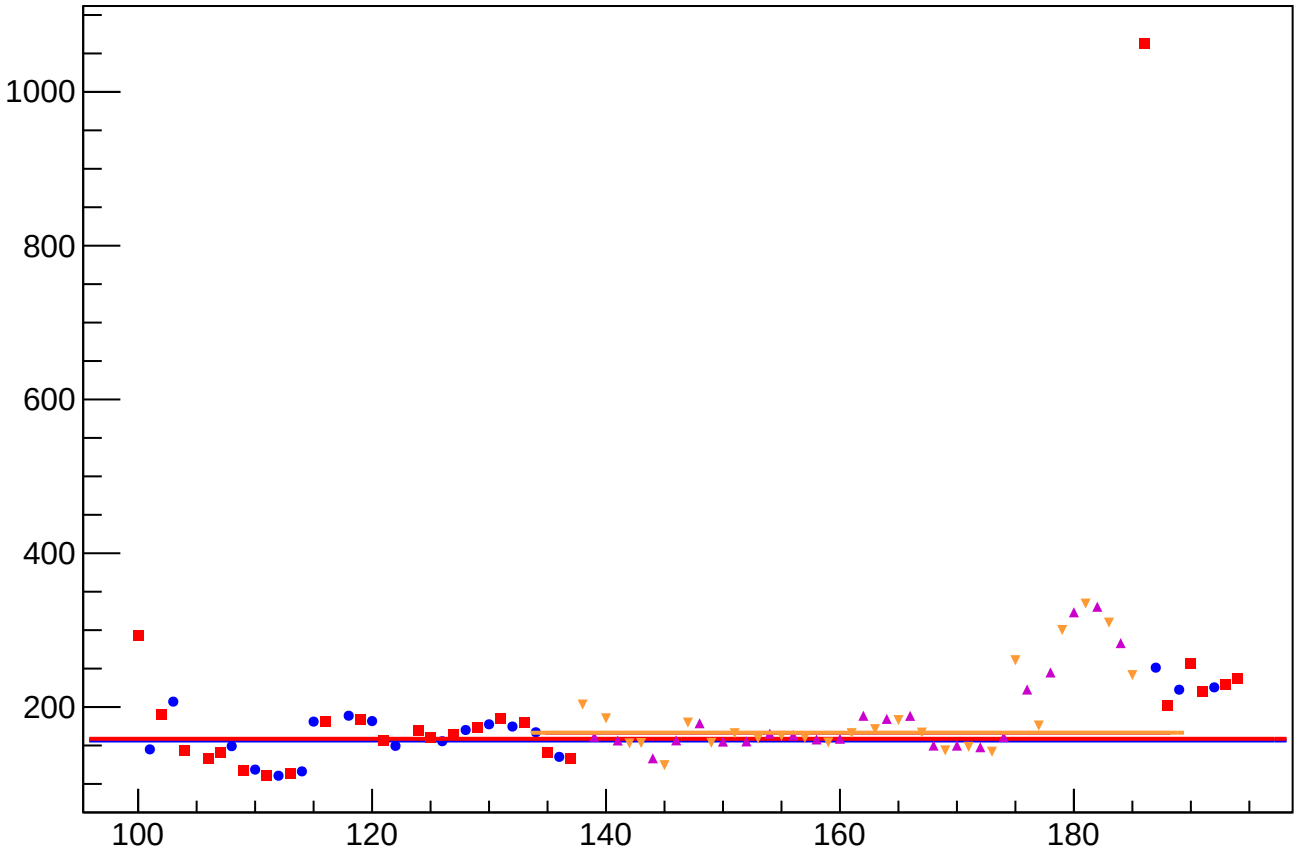
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: 0.237+/-36.716 χ^2/NDF: 33.7/43

In: 38.446+/-32.224 χ^2/NDF:45.6/41

Out: 45.034+/-30.858 χ^2/NDF:42.7/49

All: 41.883+/-22.287 χ^2/NDF: 88.3/91



Right In: 156.495+/-0.038 χ^2/NDF: 810826.1/18

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

Right Out: 158.696+/-0.035 χ^2/NDF: 1788619.5/24

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

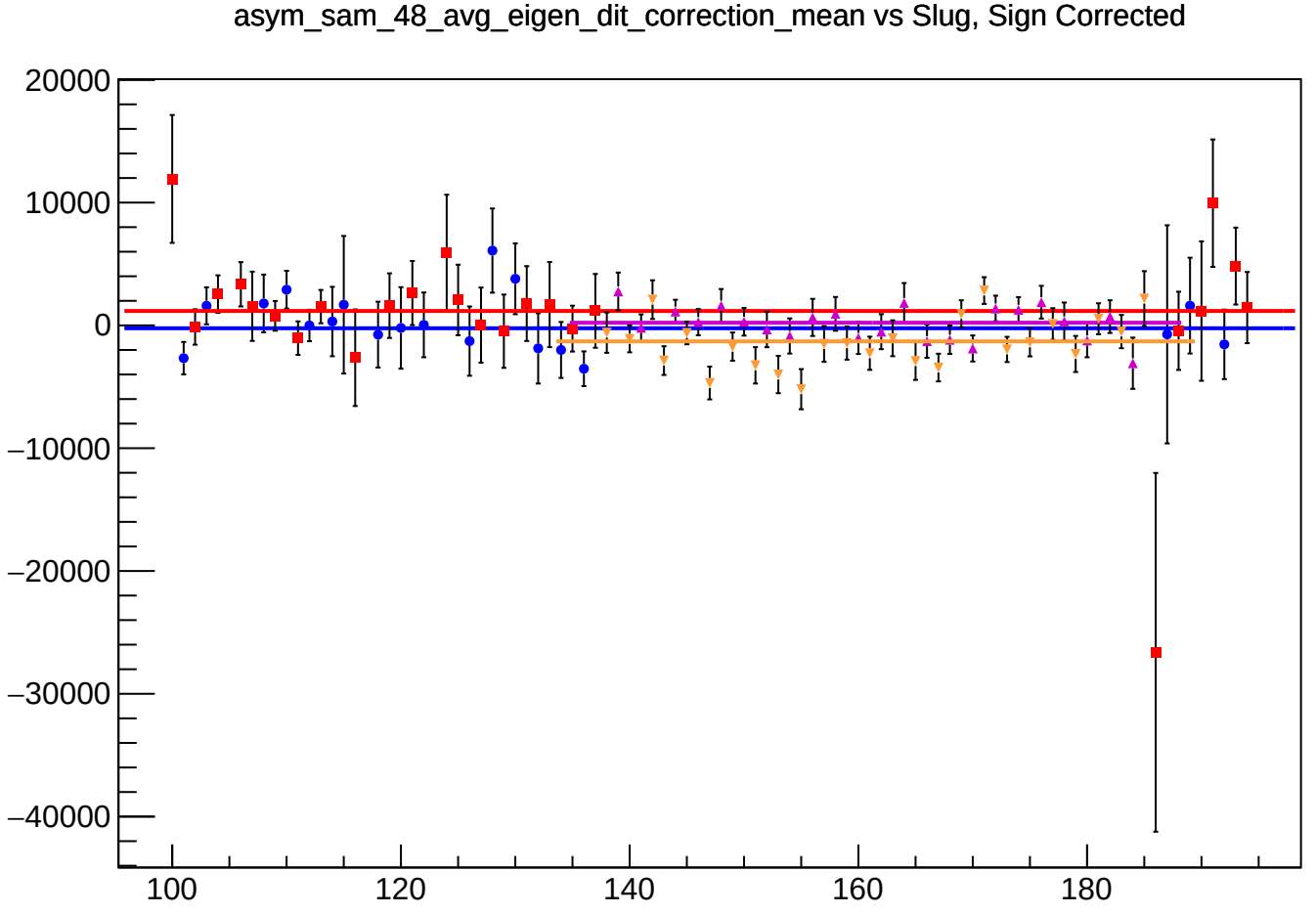
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 157.678+/-0.026 χ^2/NDF: 2601232.4/43

In: 162.811+/-0.023 χ^2/NDF:2245816.4/41

Out: 163.599+/-0.022 χ^2/NDF:3539340.9/49

All: 163.222+/-0.016 χ^2/NDF: 5785780.5/91



Right In: -233.834+/-493.505 χ^2/NDF: 22.3/18

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: 1173.279+/-453.351 χ^2/NDF: 21.8/24

Left In: 217.283+/-264.388 χ^2/NDF:22.2/22

Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

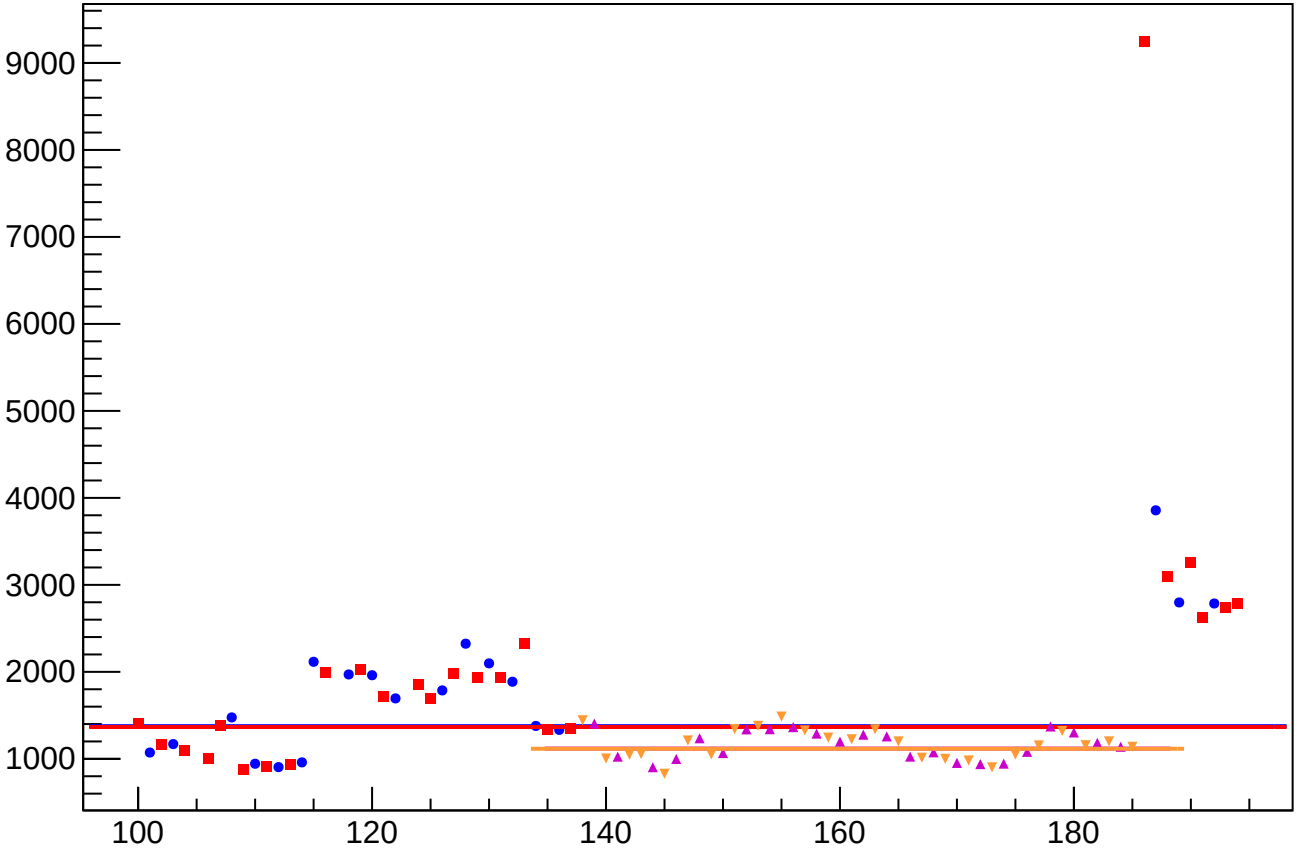
Right: 529.287+/-333.862 χ^2/NDF: 48.5/43

In: 116.681+/-233.050 χ^2/NDF:45.2/41

Out: -697.358+/-223.549 χ^2/NDF:99.4/49

All: -307.271+/-161.327 χ^2/NDF: 150.9/91

asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1375.480+/-0.349 χ^2/NDF: 2148035.0/18

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1365.805+/-0.321 χ^2/NDF: 3955128.0/24

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

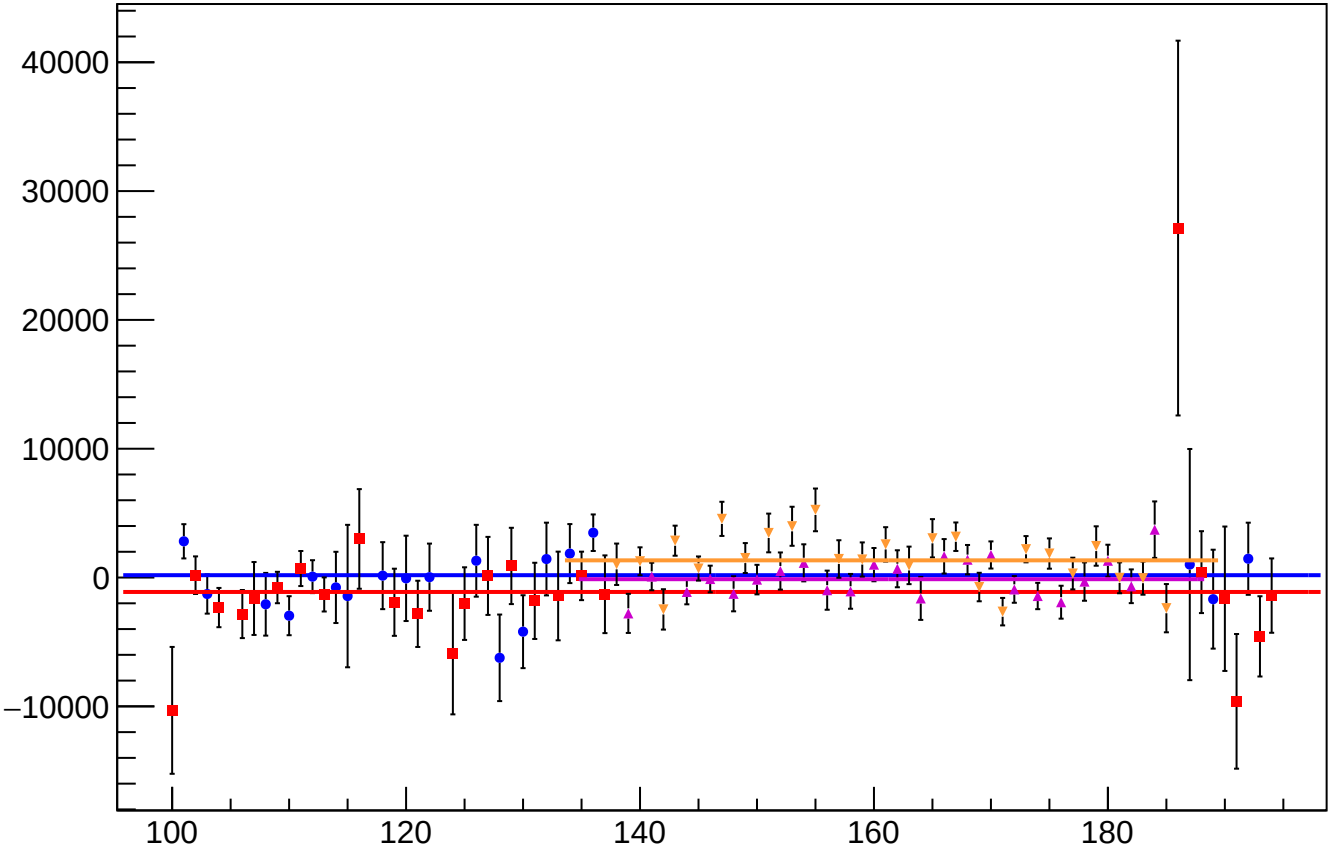
Right: 1370.233+/-0.236 χ^2/NDF: 6103579.9/43

In: 1175.287+/-0.165 χ^2/NDF:3300993.9/41

Out: 1176.764+/-0.158 χ^2/NDF:5282095.2/49

All: 1176.056+/-0.114 χ^2/NDF: 8583130.9/91

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 182.963+/-492.253 χ^2/NDF: 23.0/18

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: -1119.673+/-452.505 χ^2/NDF: 19.5/24

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

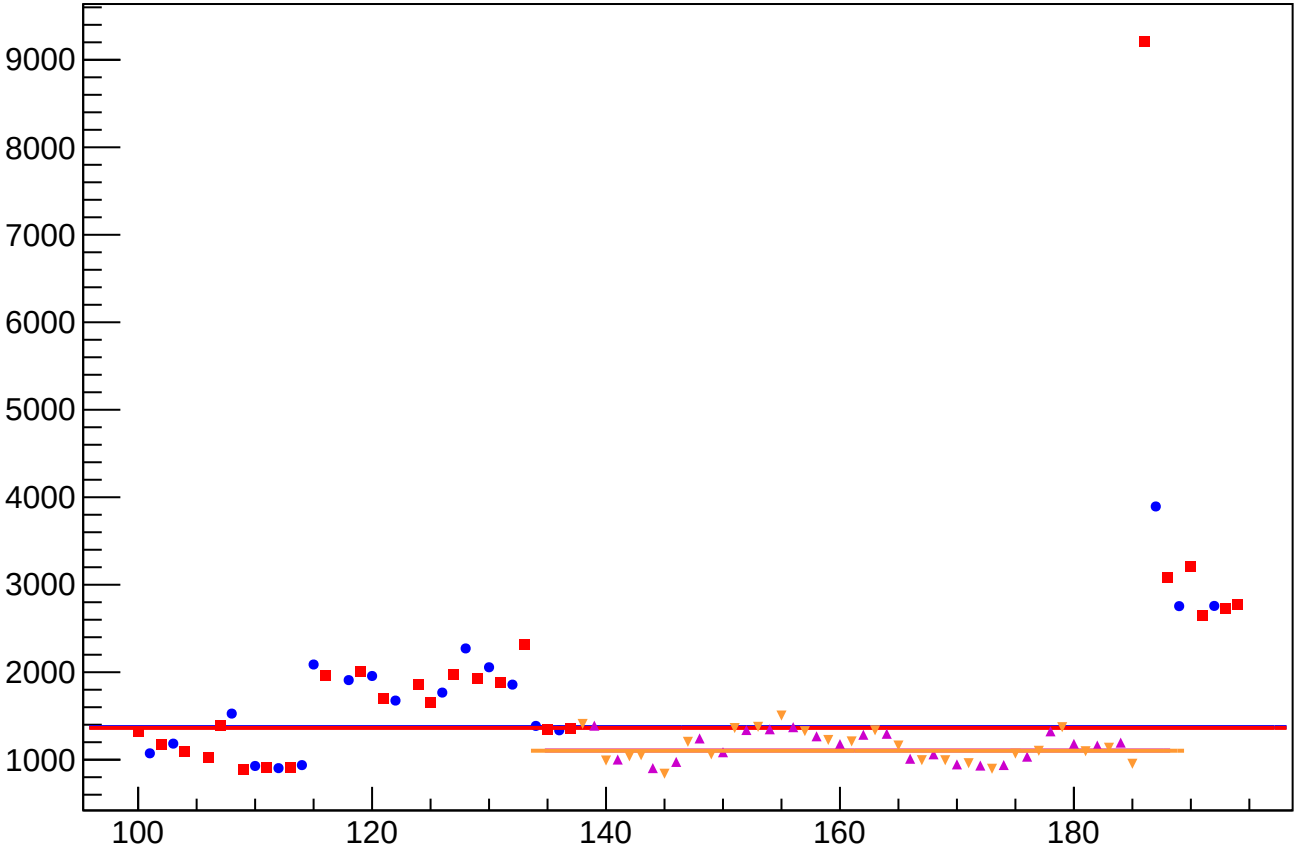
Right: -523.064+/-333.136 χ^2/NDF: 46.3/43

In: -59.880+/-230.878 χ^2/NDF:47.3/41

Out: 746.001+/-221.616 χ^2/NDF:97.5/49

All: 359.550+/-159.880 χ^2/NDF: 151.2/91

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1372.987+/-0.348 χ^2/NDF: 2107267.1/18

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

Right Out: 1363.618+/-0.320 χ^2/NDF: 3909208.8/24

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

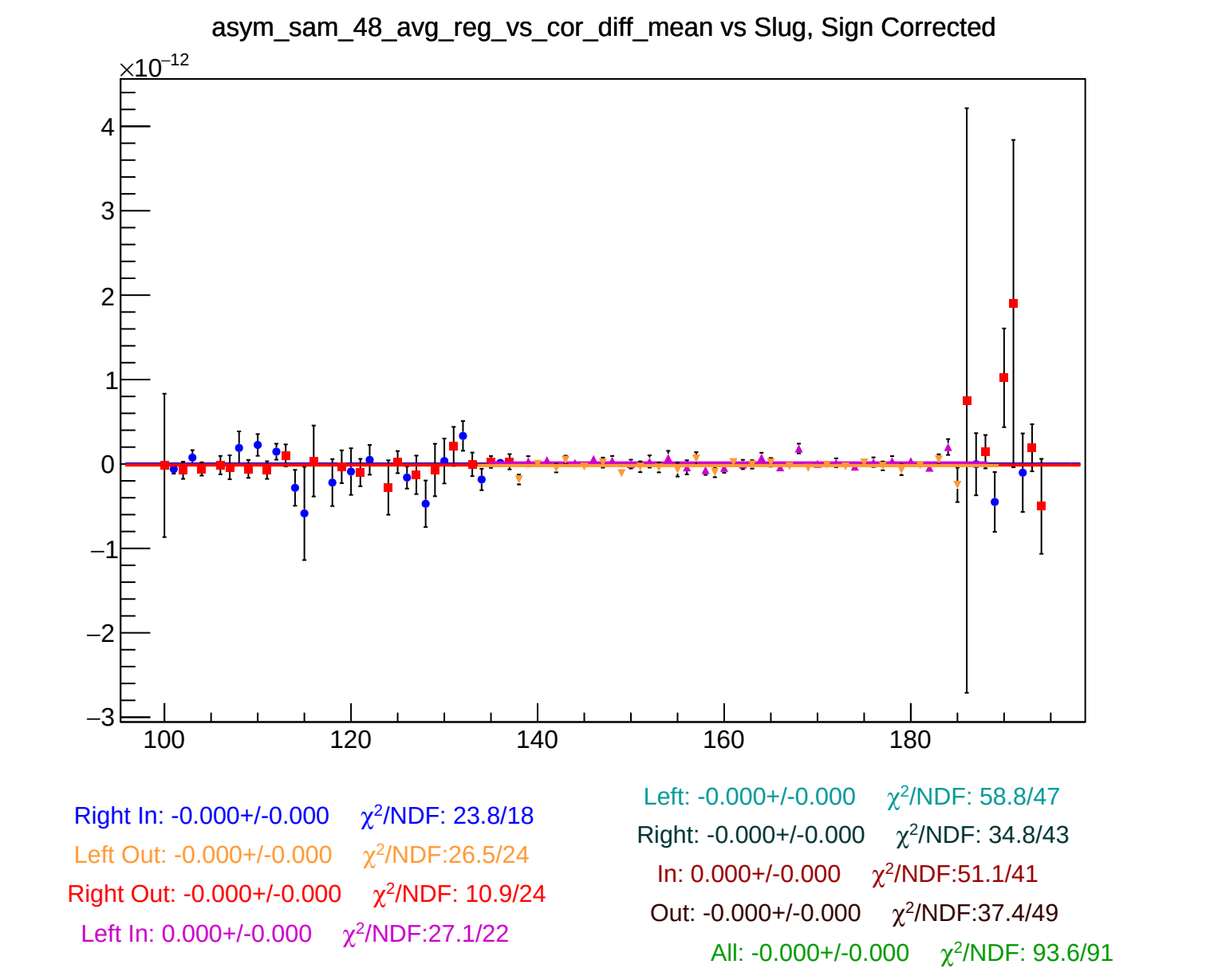
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

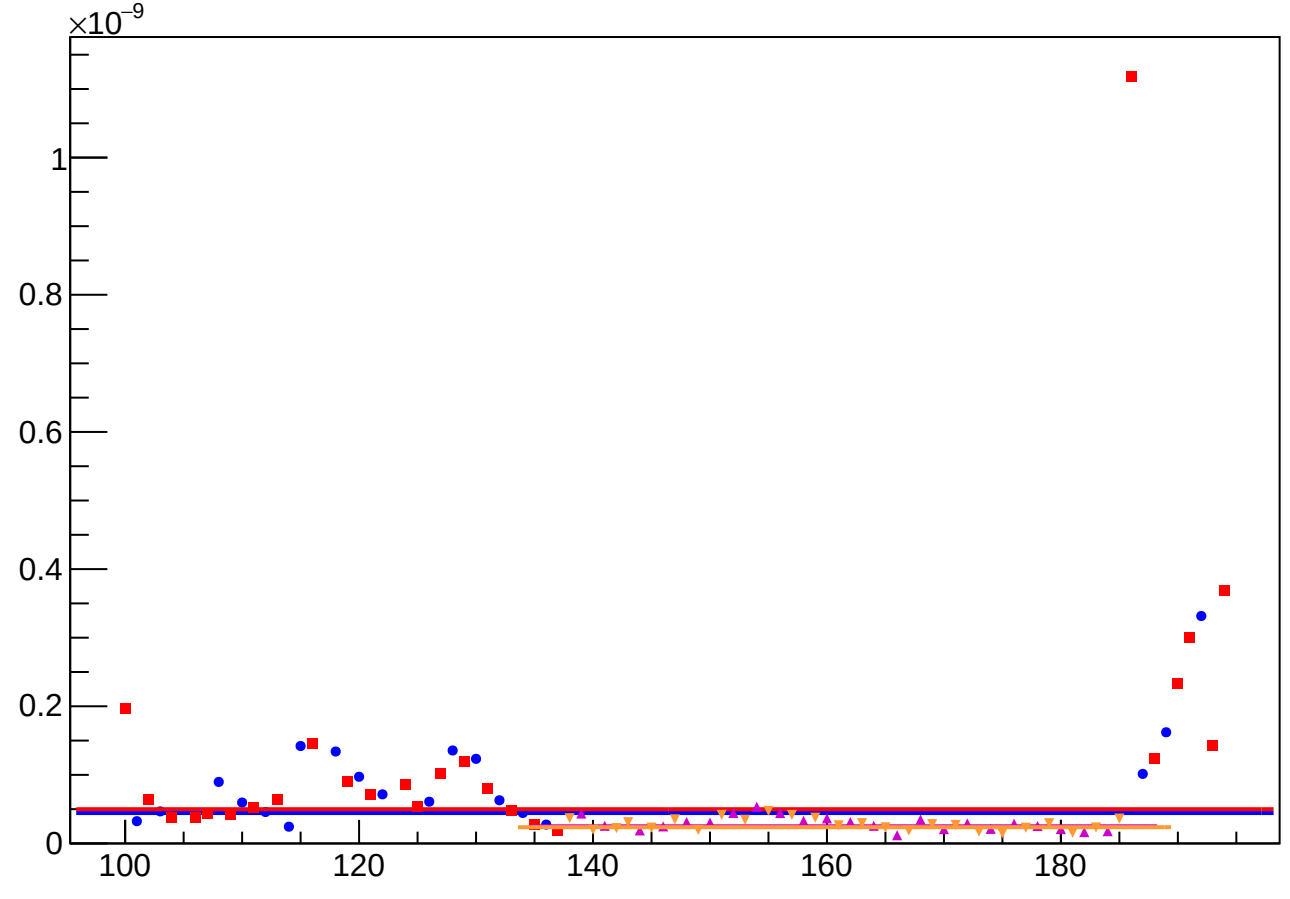
Right: 1367.909+/-0.236 χ^2/NDF: 6016868.6/43

In: 1164.108+/-0.163 χ^2/NDF:3292246.1/41

Out: 1165.284+/-0.157 χ^2/NDF:5295135.5/49

All: 1164.720+/-0.113 χ^2/NDF: 8587408.6/91


asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 23.8/18
Left Out: -0.000+/-0.000 χ²/NDF:26.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 10.9/24
Left In: 0.000+/-0.000 χ²/NDF:27.1/22
Left: -0.000+/-0.000 χ²/NDF: 58.8/47
Right: -0.000+/-0.000 χ²/NDF: 34.8/43
In: 0.000+/-0.000 χ²/NDF:51.1/41
Out: -0.000+/-0.000 χ²/NDF:37.4/49
All: -0.000+/-0.000 χ²/NDF: 93.6/91



Right In: 0.000+/-0.000 χ^2/NDF: 2383956.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2713155.9/24

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

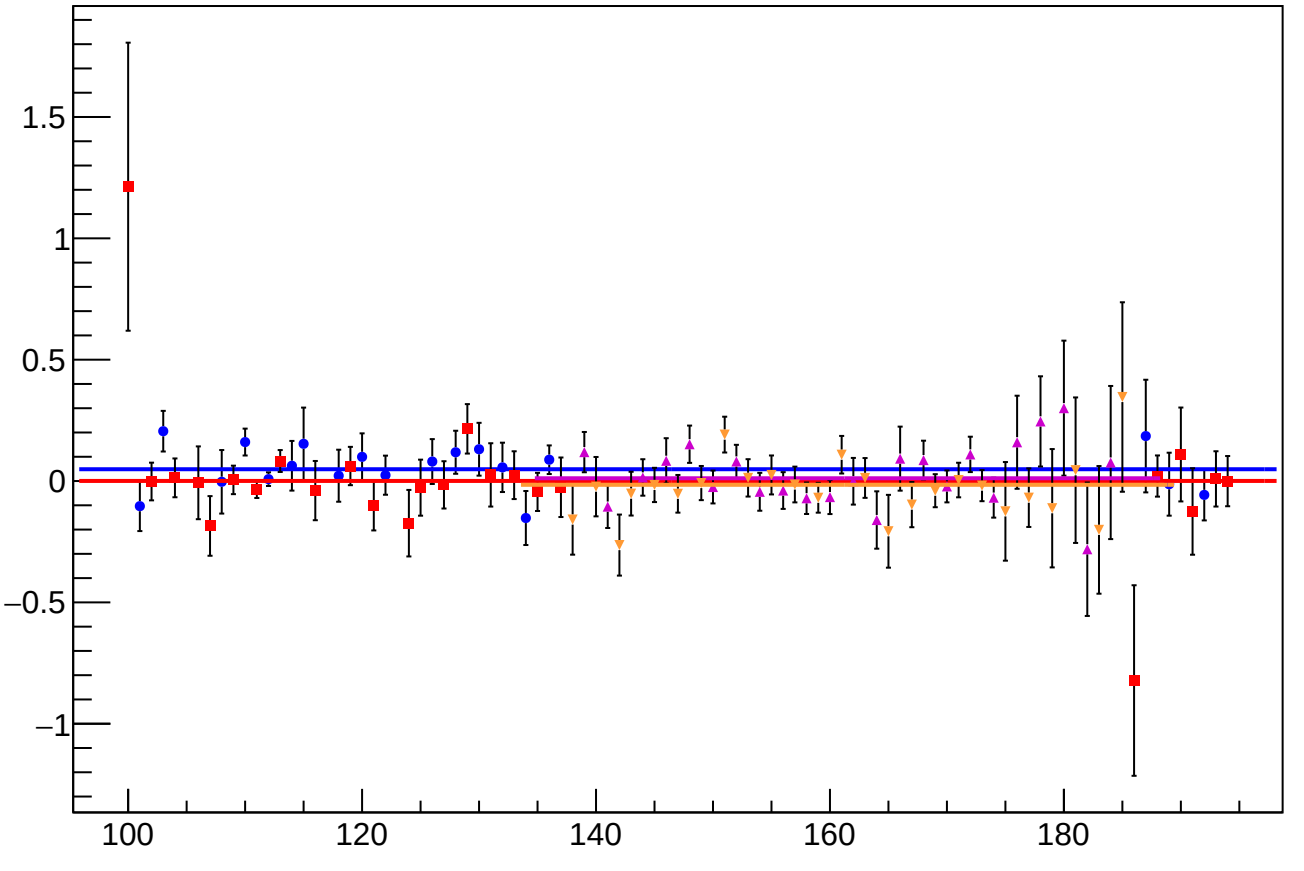
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 5138551.7/43

In: 0.000+/-0.000 χ^2/NDF:4846208.4/41

Out: 0.000+/-0.000 χ^2/NDF:5699077.5/49

All: 0.000+/-0.000 χ^2/NDF: 10565909.0/91



Right In: 0.049+/-0.017 χ^2/NDF: 19.6/18

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.000+/-0.017 χ^2/NDF: 24.5/24

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

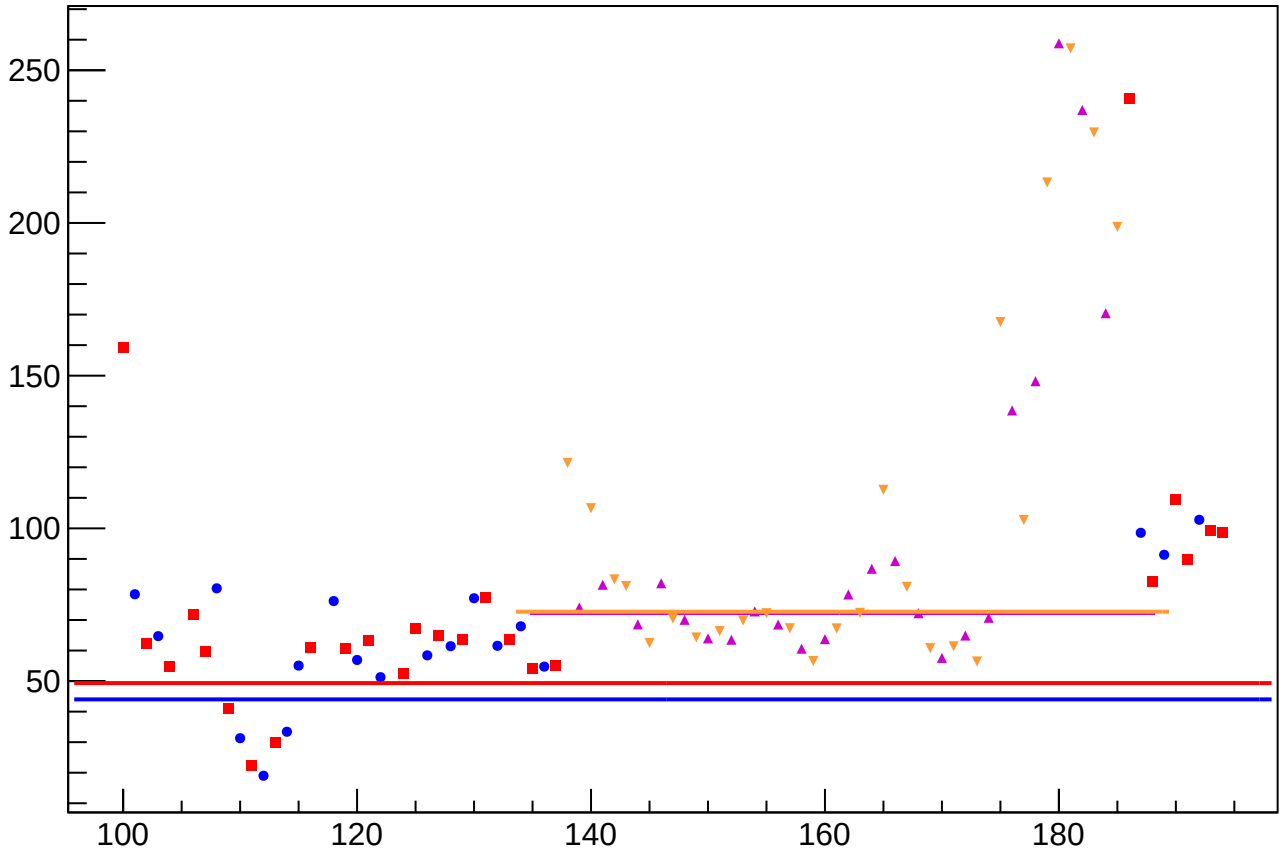
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.024+/-0.012 χ^2/NDF: 48.1/43

In: 0.031+/-0.013 χ^2/NDF:45.1/41

Out: -0.007+/-0.012 χ^2/NDF:46.6/49

All: 0.012+/-0.009 χ^2/NDF: 96.3/91



Right In: 44.009+/-0.012 χ^2/NDF: 3980590.7/18

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 49.340+/-0.012 χ^2/NDF: 4156117.3/24

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

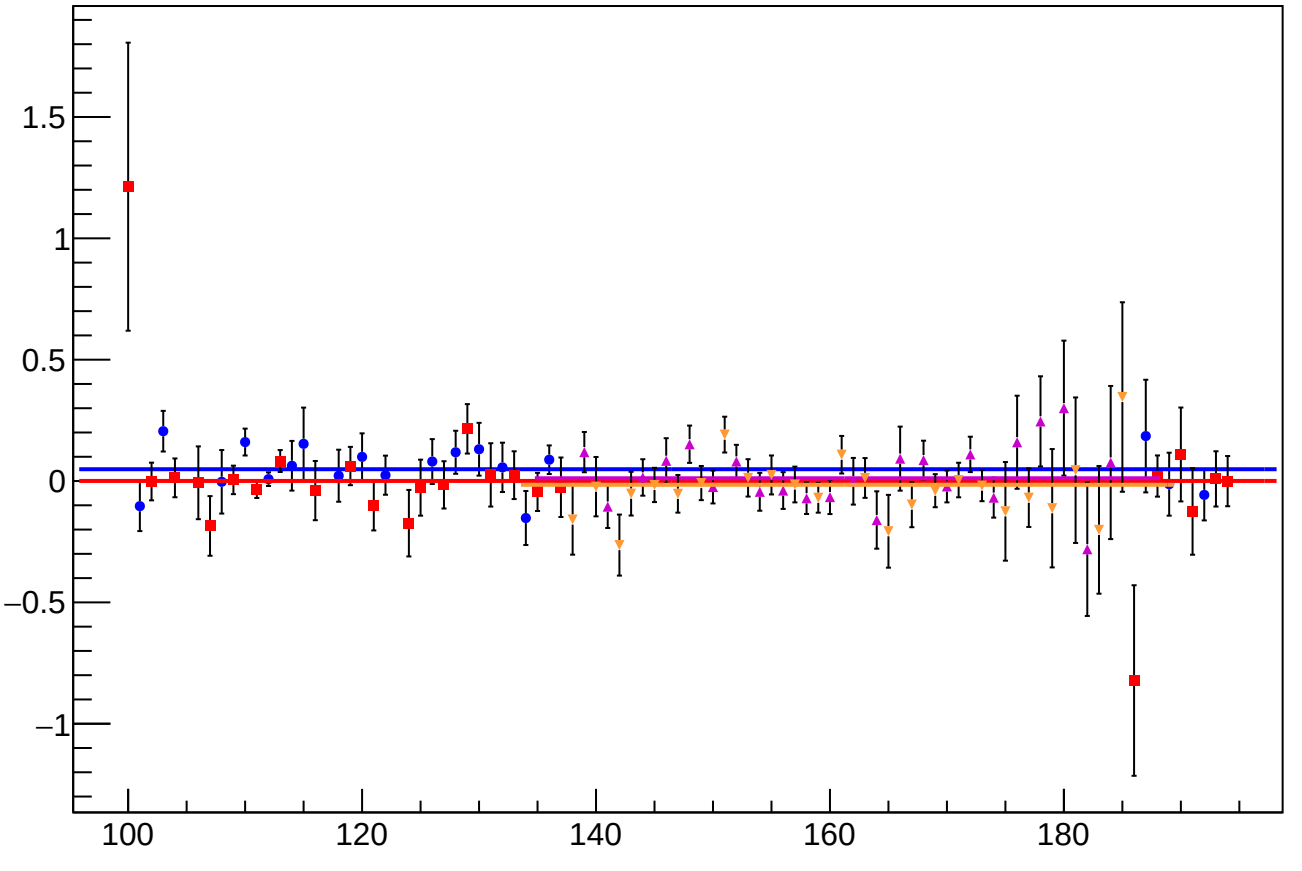
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 46.734+/-0.009 χ^2/NDF: 8233595.3/43

In: 57.408+/-0.009 χ^2/NDF:9298773.8/41

Out: 60.343+/-0.009 χ^2/NDF:9910142.2/49

All: 58.904+/-0.006 χ^2/NDF: 19264536.9/91



Right In: 0.049+/-0.017 χ^2/NDF: 19.6/18

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.000+/-0.017 χ^2/NDF: 24.5/24

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

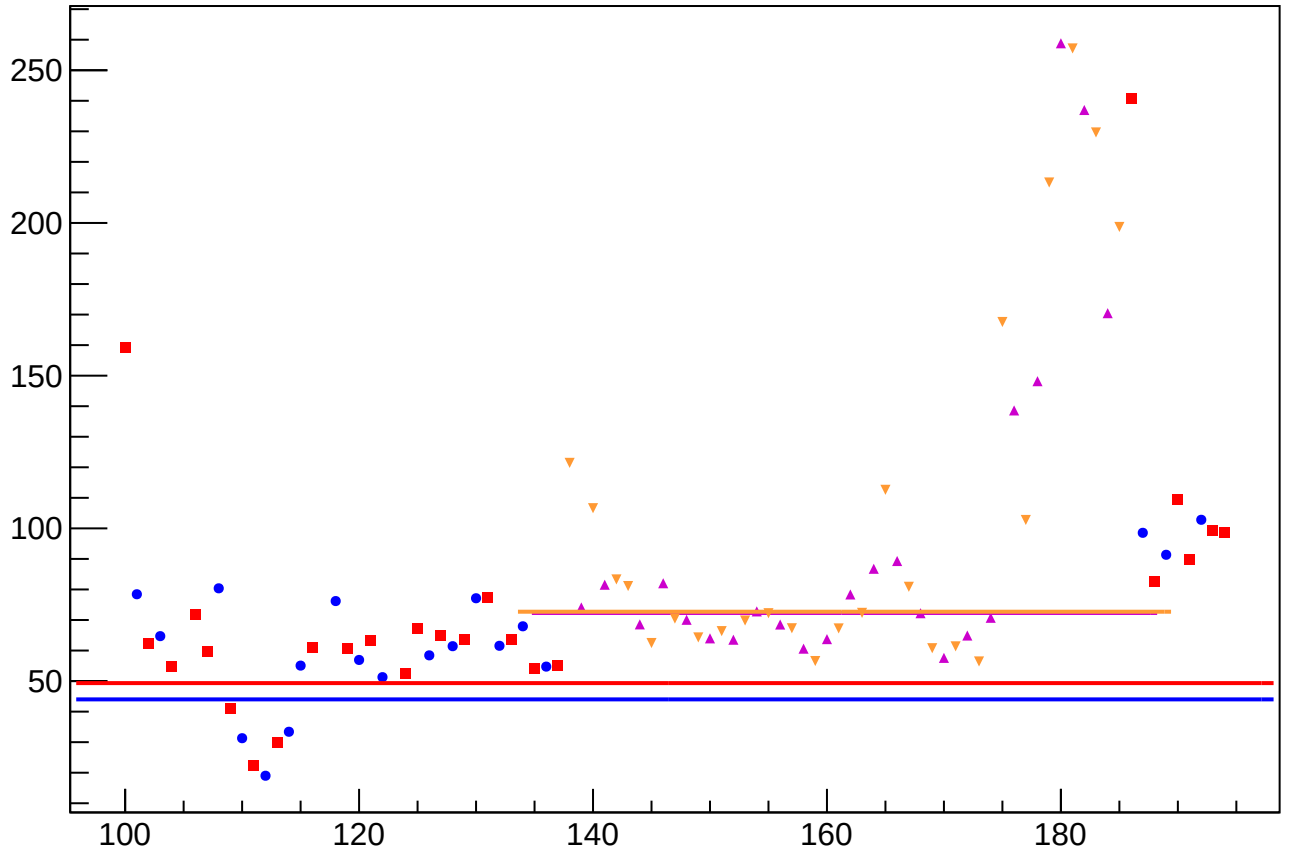
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.024+/-0.012 χ^2/NDF: 48.1/43

In: 0.031+/-0.013 χ^2/NDF:45.1/41

Out: -0.007+/-0.012 χ^2/NDF:46.6/49

All: 0.012+/-0.009 χ^2/NDF: 96.3/91



Right In: 44.009+/-0.012 χ^2/NDF: 3980590.7/18

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 49.340+/-0.012 χ^2/NDF: 4156117.3/24

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

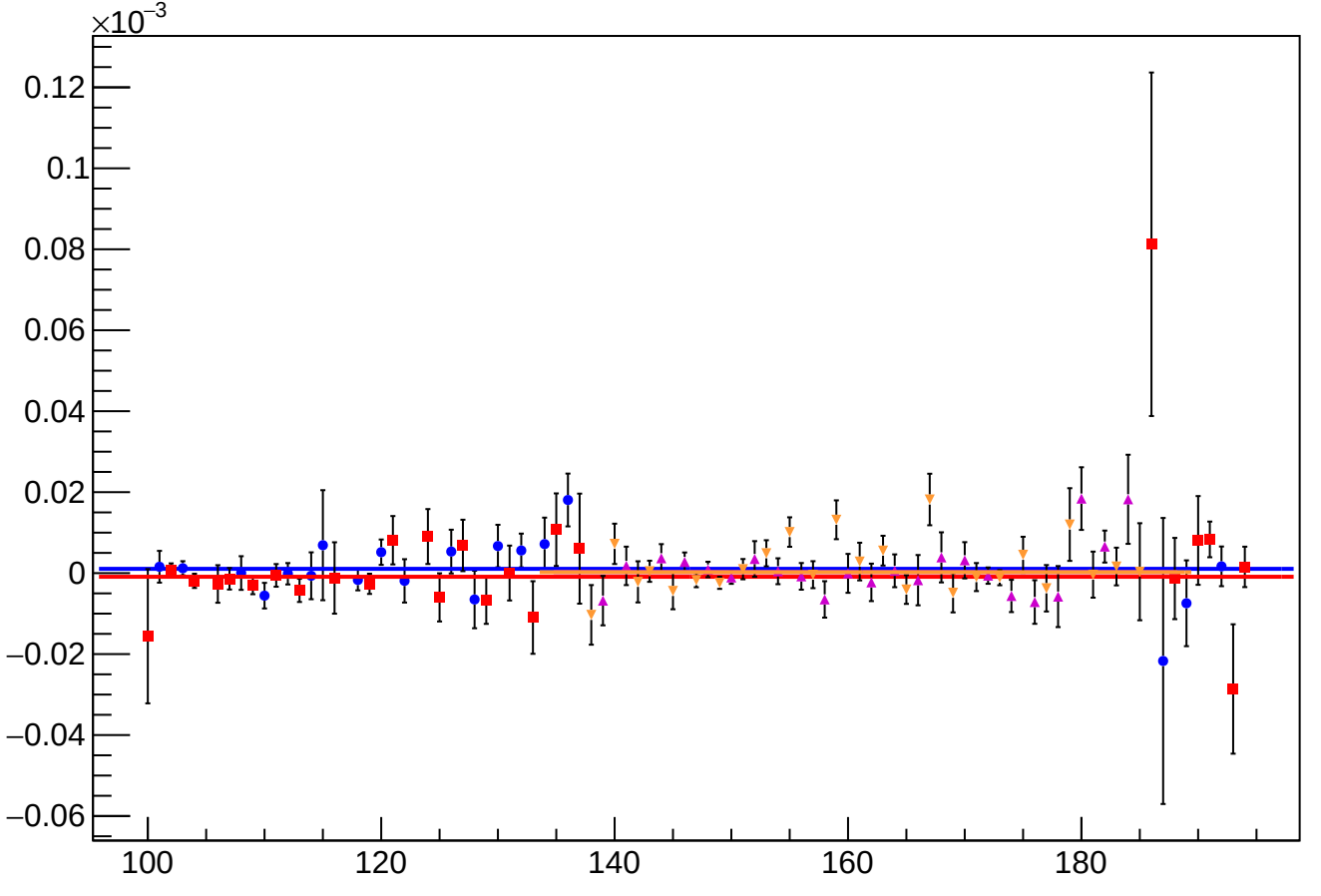
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 46.734+/-0.009 χ^2/NDF: 8233595.3/43

In: 57.408+/-0.009 χ^2/NDF:9298773.8/41

Out: 60.343+/-0.009 χ^2/NDF:9910142.2/49

All: 58.904+/-0.006 χ^2/NDF: 19264536.9/91



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/24

Left In: 0.000+/-0.000 χ^2/NDF:24.1/22

Left: 0.000+/-0.000 χ^2/NDF: 67.4/47

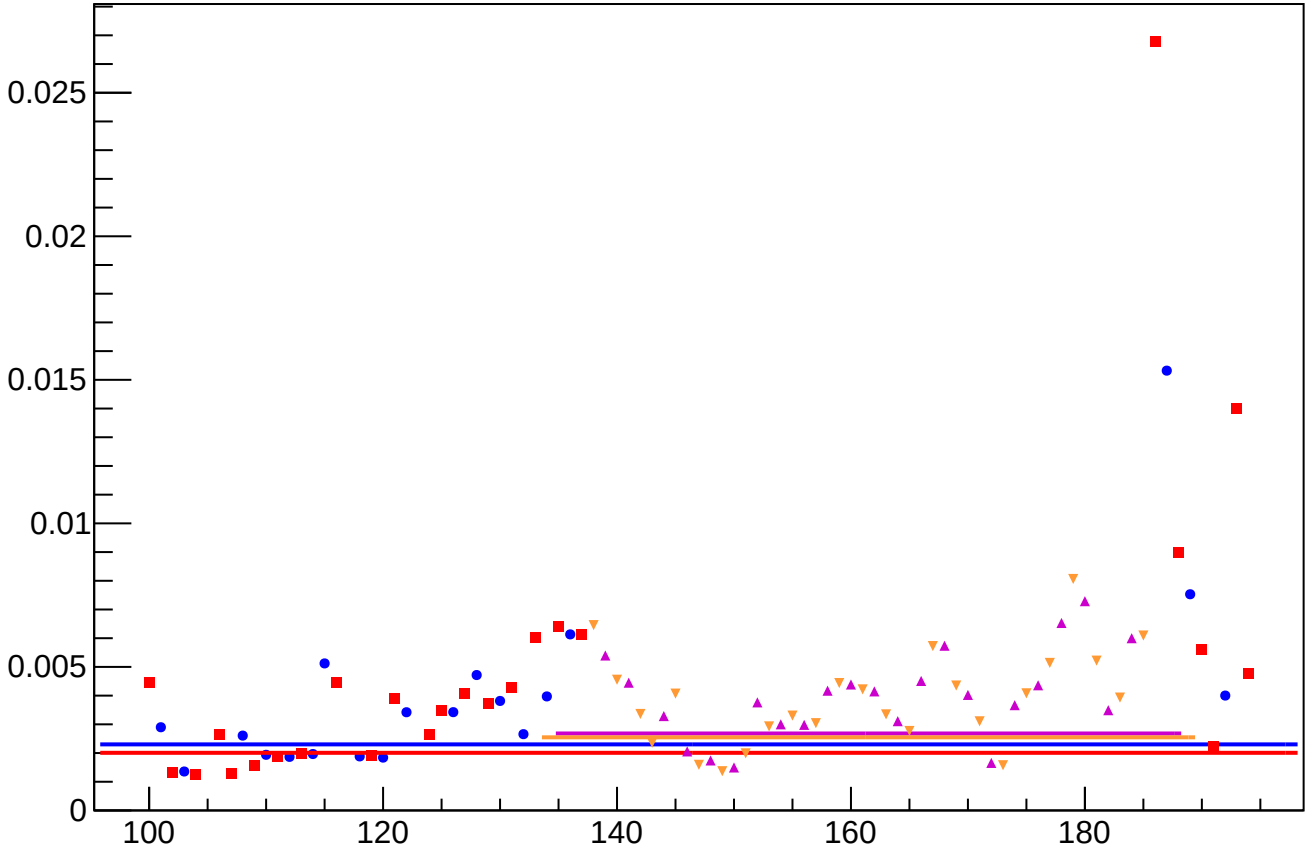
Right: -0.000+/-0.000 χ^2/NDF: 52.0/43

In: 0.000+/-0.000 χ^2/NDF:45.5/41

Out: -0.000+/-0.000 χ^2/NDF:72.9/49

All: 0.000+/-0.000 χ^2/NDF: 119.7/91

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3318591.1/18

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6833902.0/24

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

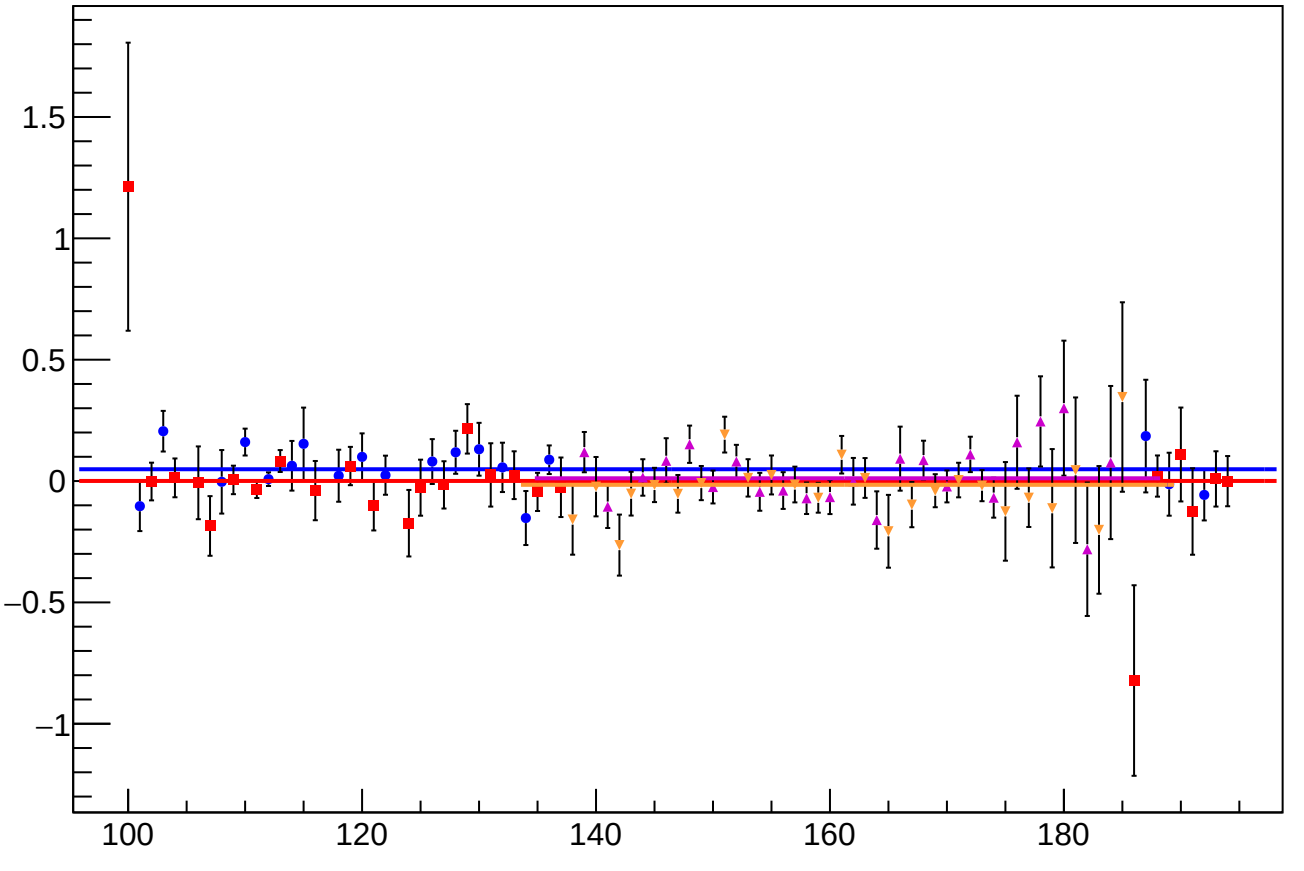
Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

Right: 0.002+/-0.000 χ^2/NDF: 10281675.3/43

In: 0.003+/-0.000 χ^2/NDF:10046126.2/41

Out: 0.002+/-0.000 χ^2/NDF:14930830.3/49

All: 0.002+/-0.000 χ^2/NDF: 25160493.9/91



Right In: 0.049+/-0.017 χ^2/NDF: 19.6/18

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.000+/-0.017 χ^2/NDF: 24.5/24

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

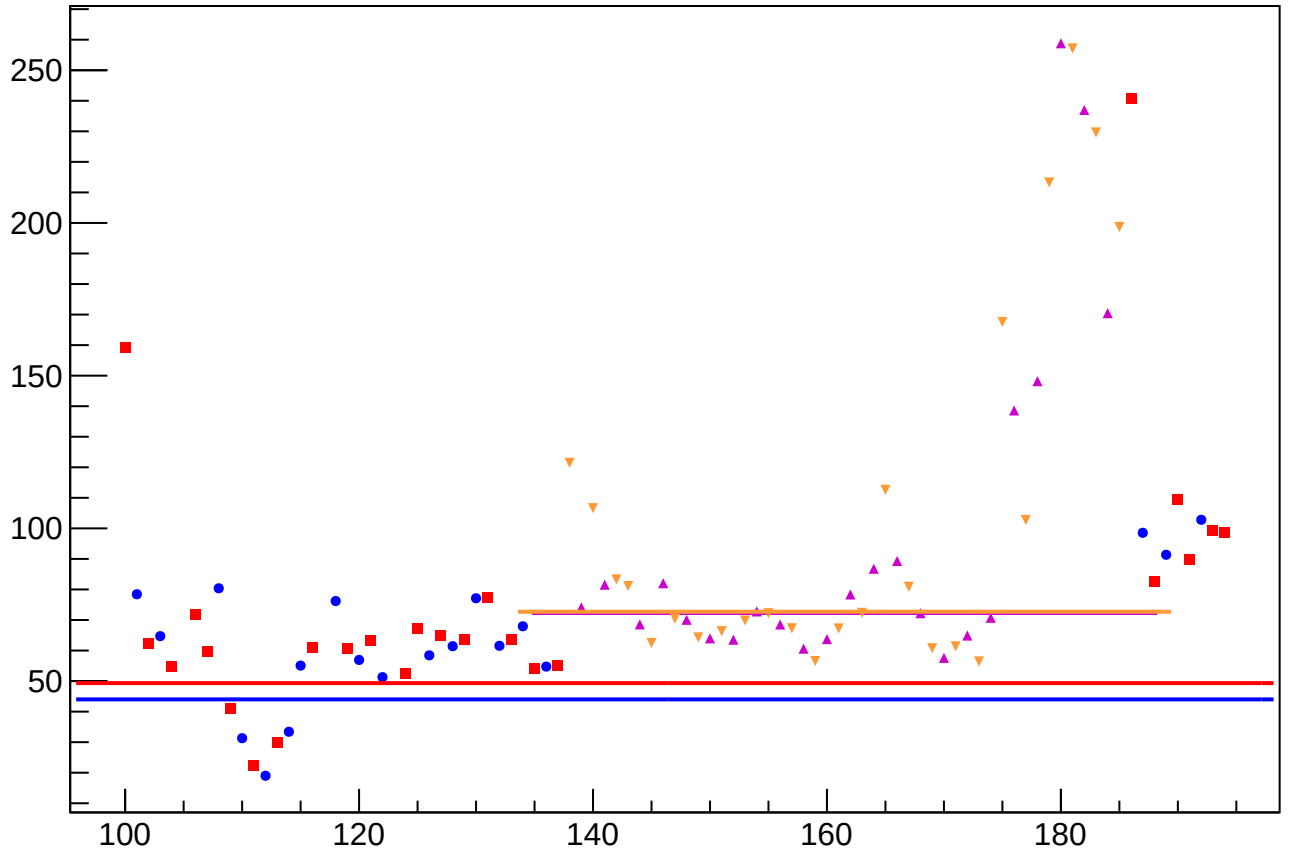
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.024+/-0.012 χ^2/NDF: 48.1/43

In: 0.031+/-0.013 χ^2/NDF:45.1/41

Out: -0.007+/-0.012 χ^2/NDF:46.5/49

All: 0.012+/-0.009 χ^2/NDF: 96.3/91



Right In: 44.008+/-0.012 χ^2/NDF: 3980760.4/18

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 49.339+/-0.012 χ^2/NDF: 4156340.1/24

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

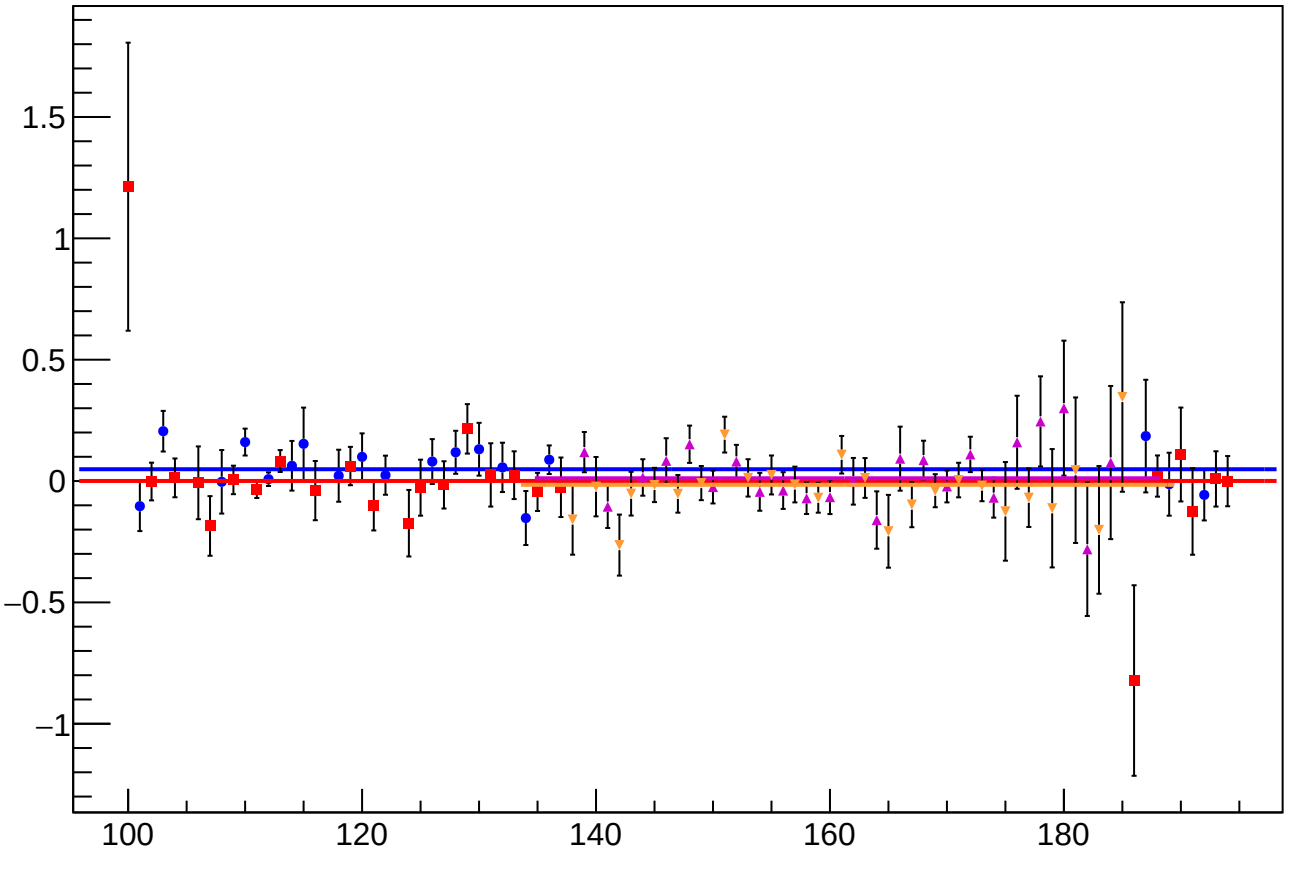
Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

Right: 46.733+/-0.009 χ^2/NDF: 8233991.4/43

In: 57.408+/-0.009 χ^2/NDF:9299168.6/41

Out: 60.343+/-0.009 χ^2/NDF:9910548.9/49

All: 58.903+/-0.006 χ^2/NDF: 19265342.8/91



Right In: 0.049+/-0.017 χ^2/NDF: 19.6/18

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.000+/-0.017 χ^2/NDF: 24.5/24

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

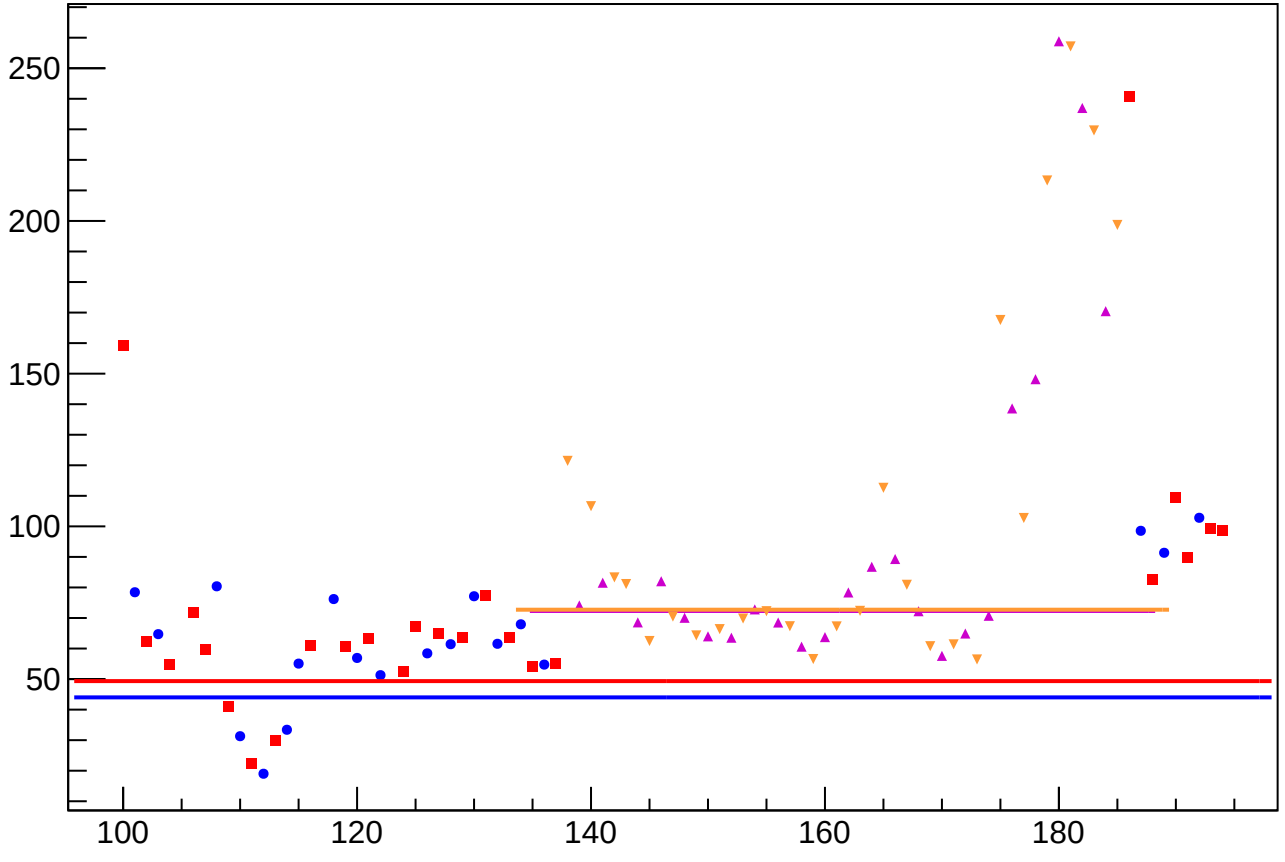
Right: 0.024+/-0.012 χ^2/NDF: 48.1/43

In: 0.031+/-0.013 χ^2/NDF:45.1/41

Out: -0.007+/-0.012 χ^2/NDF:46.5/49

All: 0.012+/-0.009 χ^2/NDF: 96.3/91

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.008+/-0.012 χ^2/NDF: 3980760.4/18

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 49.339+/-0.012 χ^2/NDF: 4156340.1/24

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

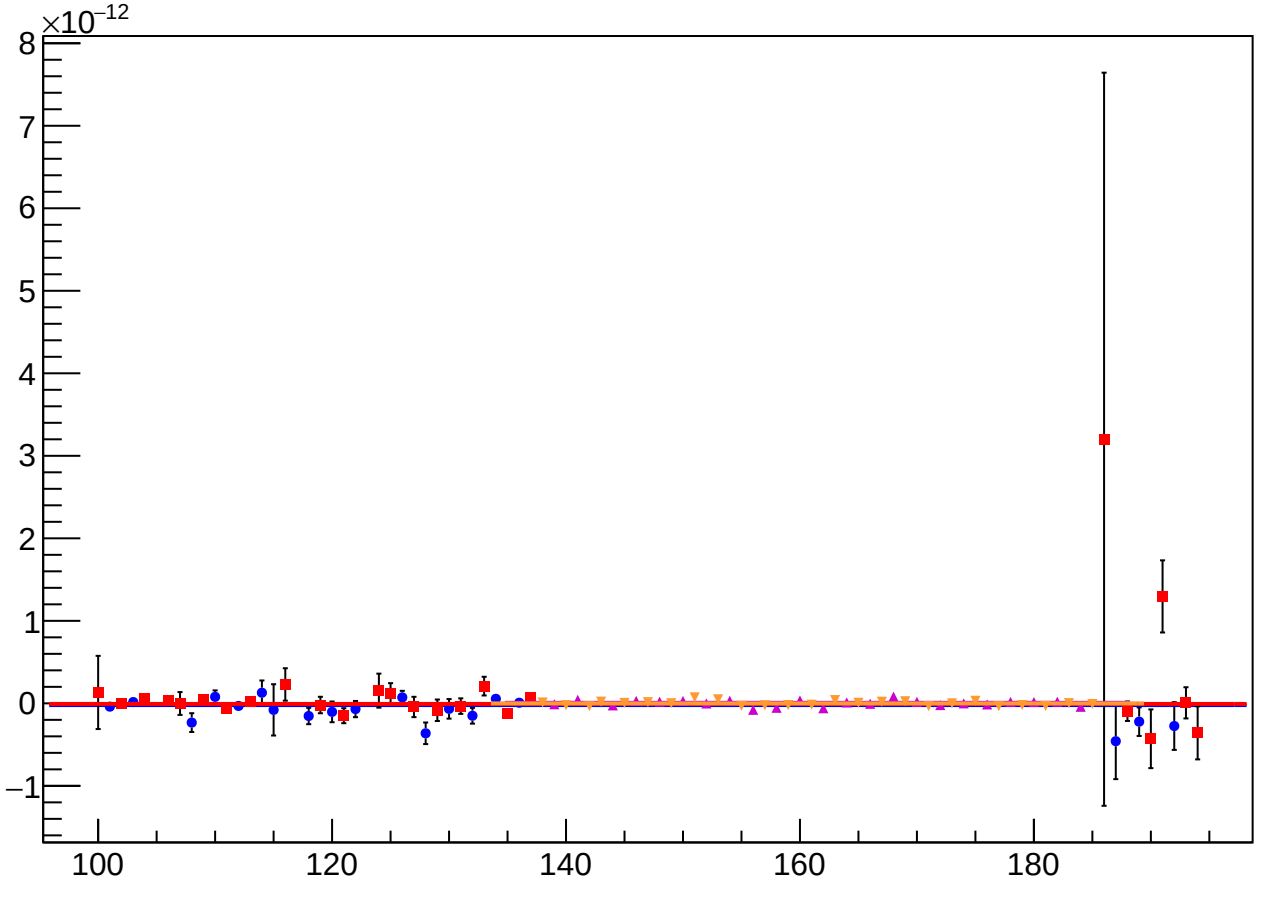
Right: 46.733+/-0.009 χ^2/NDF: 8233991.4/43

In: 57.408+/-0.009 χ^2/NDF:9299168.6/41

Out: 60.343+/-0.009 χ^2/NDF:9910548.9/49

All: 58.903+/-0.006 χ^2/NDF: 19265342.8/91

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 26.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.9/24

Left In: 0.000+/-0.000 χ^2/NDF:38.3/22

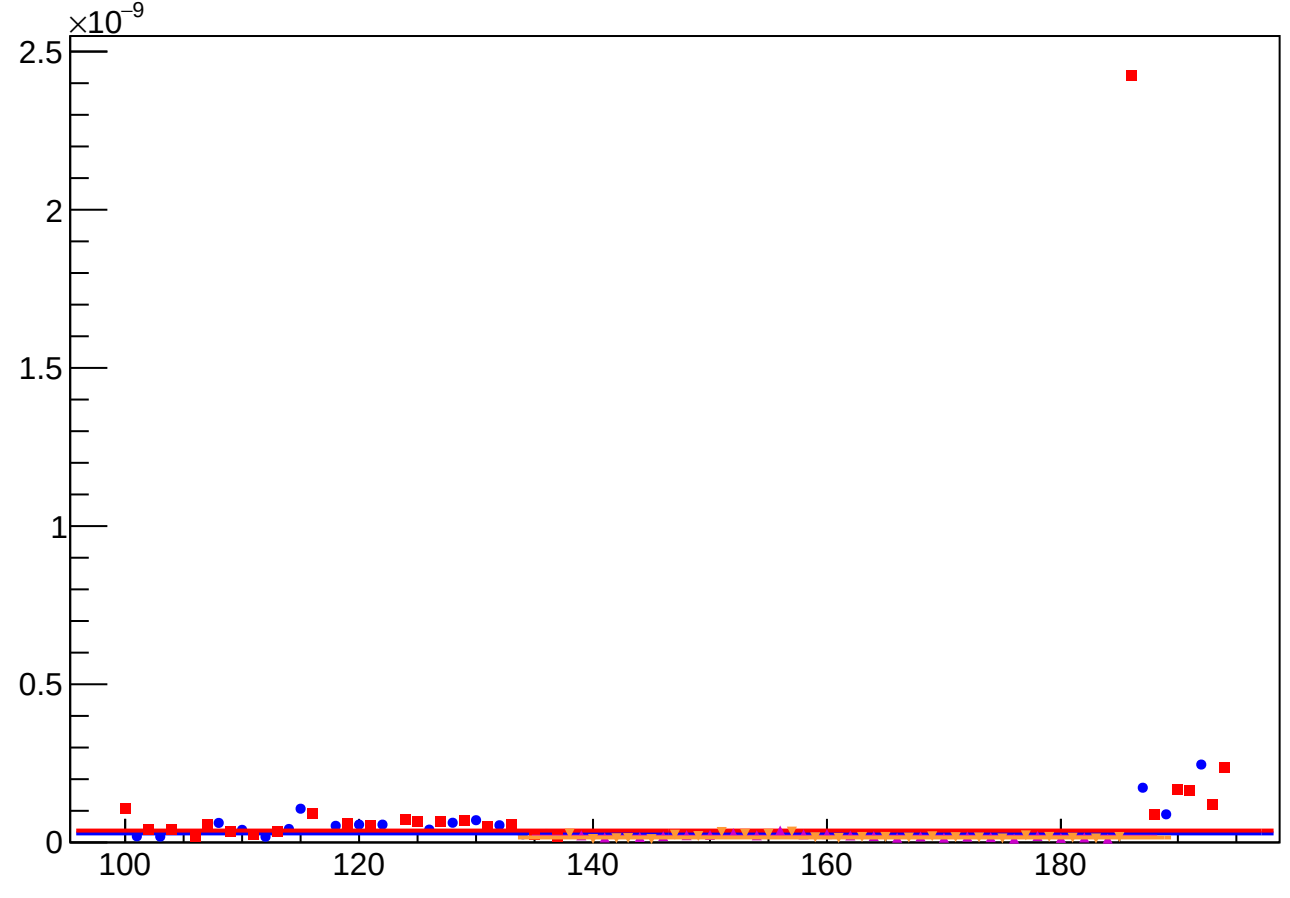
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: -0.000+/-0.000 χ^2/NDF: 62.3/43

In: 0.000+/-0.000 χ^2/NDF:67.4/41

Out: -0.000+/-0.000 χ^2/NDF:63.9/49

All: 0.000+/-0.000 χ^2/NDF: 131.8/91



Right In: 0.000+/-0.000 χ^2/NDF: 3383526.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4256456.8/24

Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

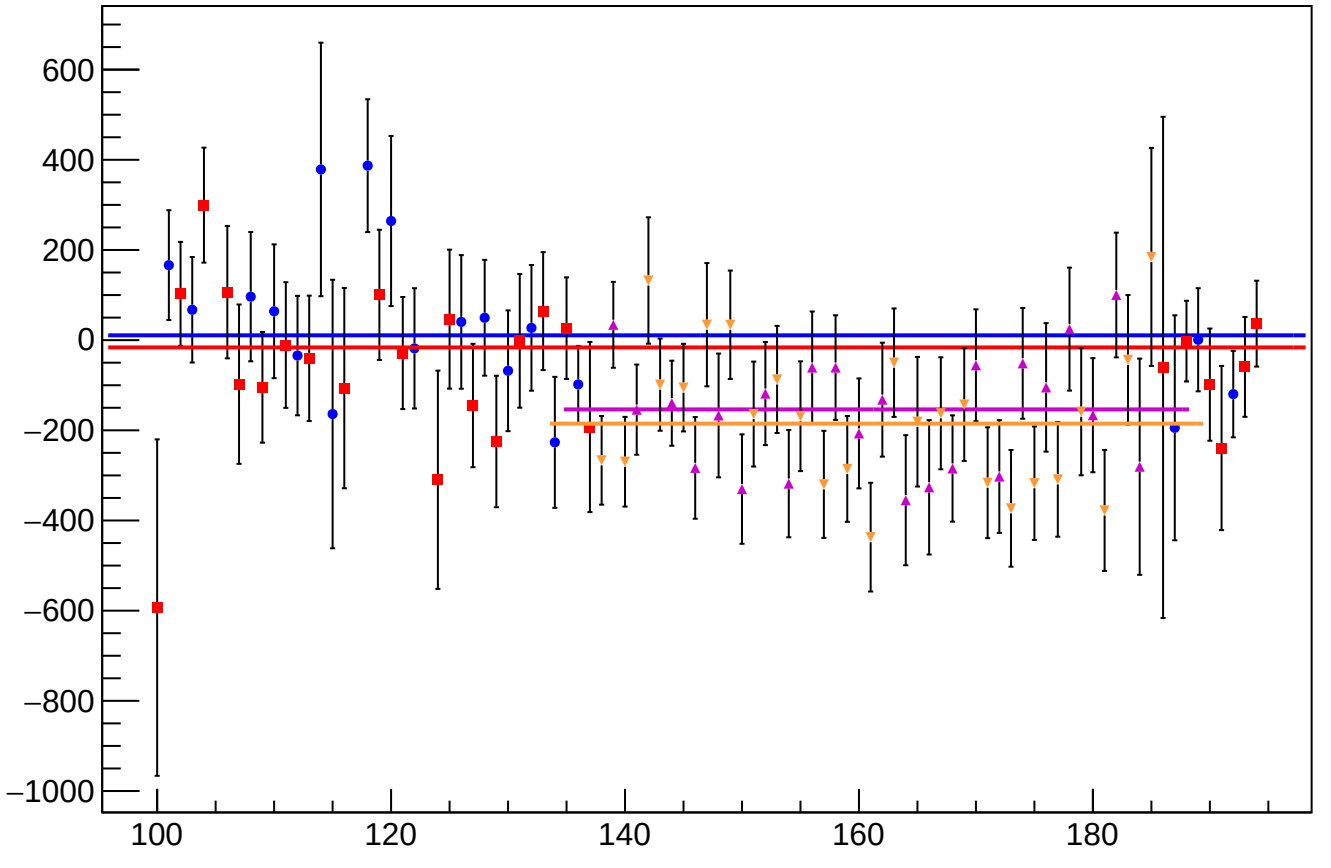
Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

Right: 0.000+/-0.000 χ^2/NDF: 7975448.7/43

In: 0.000+/-0.000 χ^2/NDF:5940107.5/41

Out: 0.000+/-0.000 χ^2/NDF:9829868.3/49

All: 0.000+/-0.000 χ^2/NDF: 15949721.8/91



Right In: 10.690+/-30.935 χ^2/NDF: 20.2/18

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: -16.177+/-27.629 χ^2/NDF: 20.3/24

Left In: -153.627+/-25.538 χ^2/NDF:23.5/22

Left: -170.071+/-17.662 χ^2/NDF: 57.4/47

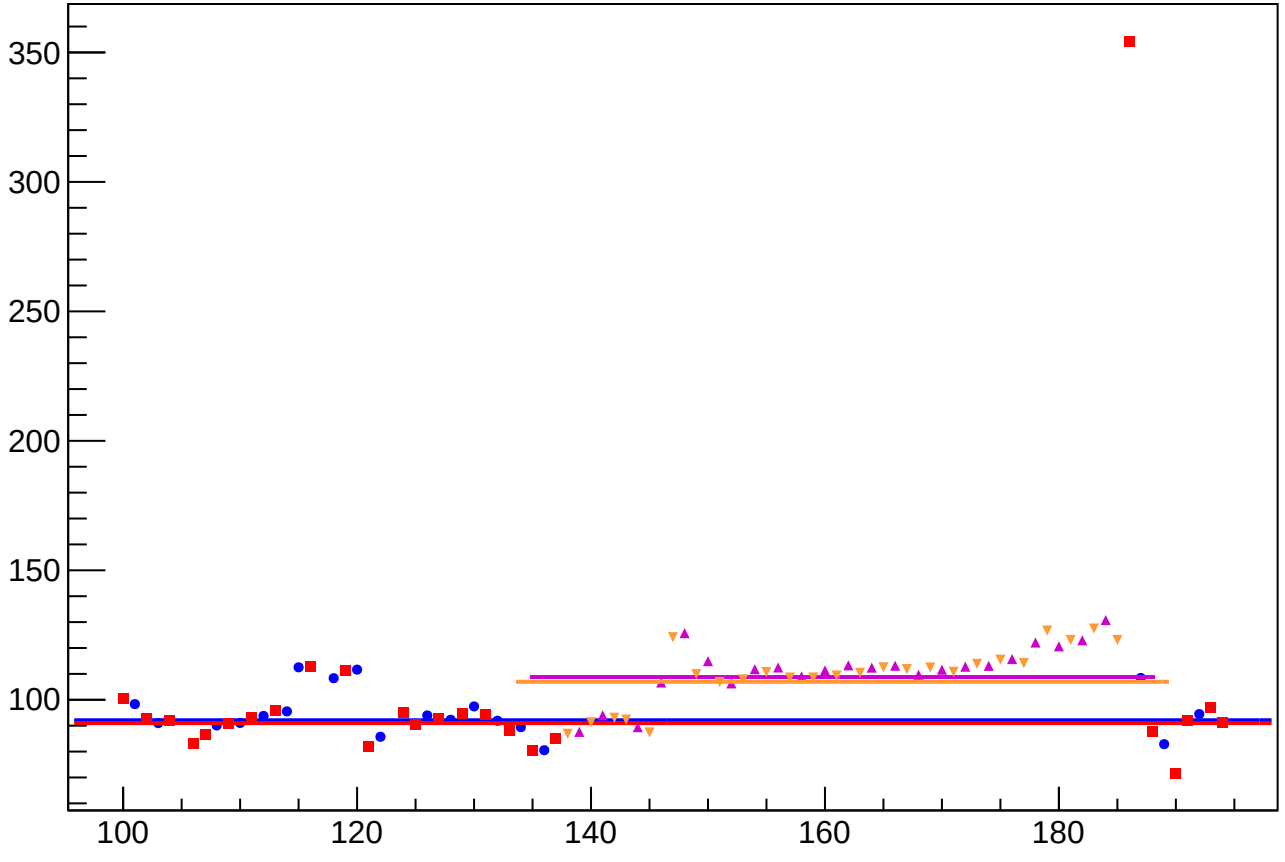
Right: -4.255+/-20.607 χ^2/NDF: 40.9/43

In: -87.030+/-19.694 χ^2/NDF:60.5/41

Out: -110.928+/-18.311 χ^2/NDF:74.3/49

All: -99.848+/-13.410 χ^2/NDF: 135.6/91

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 92.087+/-0.022 χ^2/NDF: 129975.1/18

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 90.992+/-0.020 χ^2/NDF: 611095.1/24

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

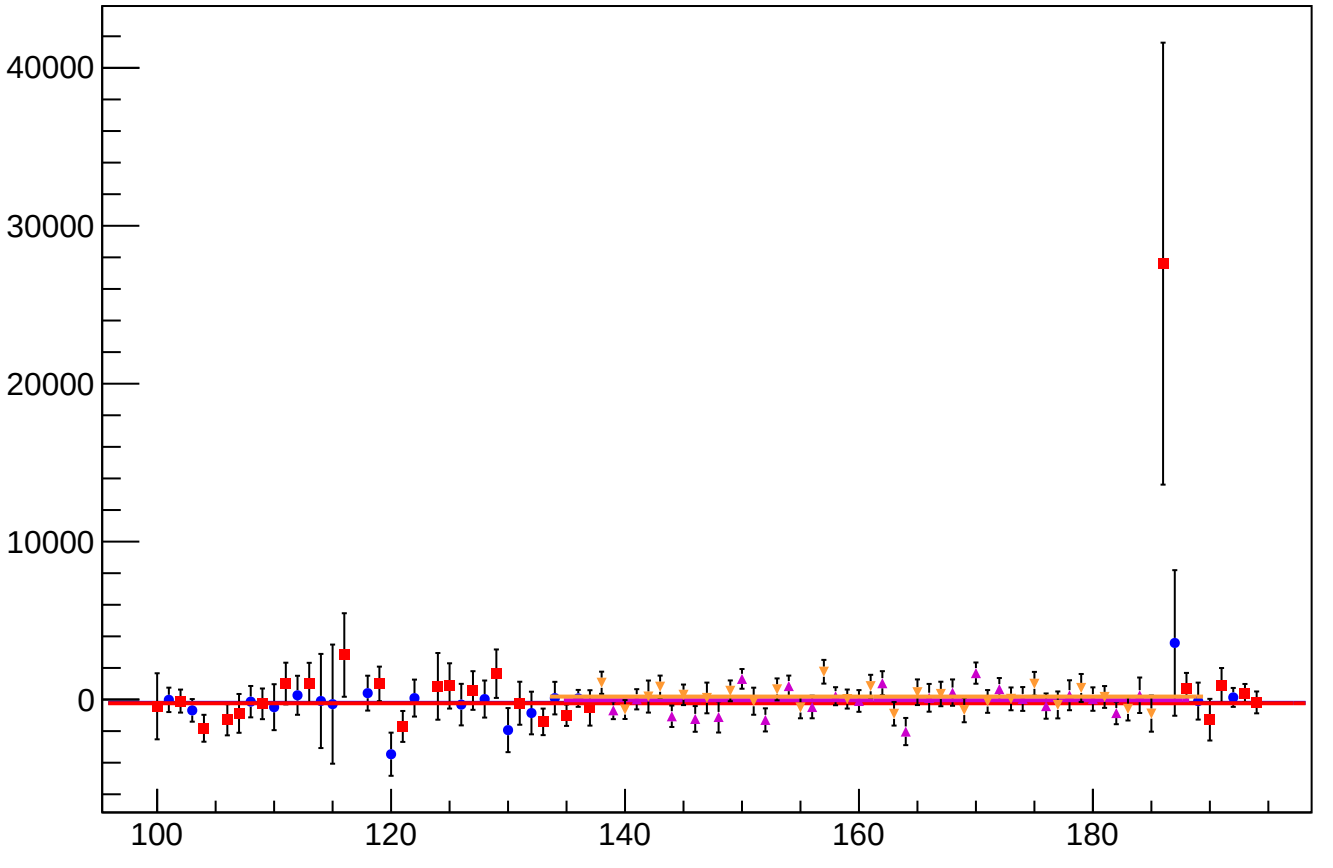
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 91.478+/-0.015 χ^2/NDF: 742463.2/43

In: 102.015+/-0.014 χ^2/NDF:834782.9/41

Out: 99.943+/-0.013 χ^2/NDF:1449702.3/49

All: 100.903+/-0.009 χ^2/NDF: 2296355.6/91



Right In: -210.547+/-233.209 χ^2/NDF: 9.9/18

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: -235.563+/-205.162 χ^2/NDF: 25.5/24

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

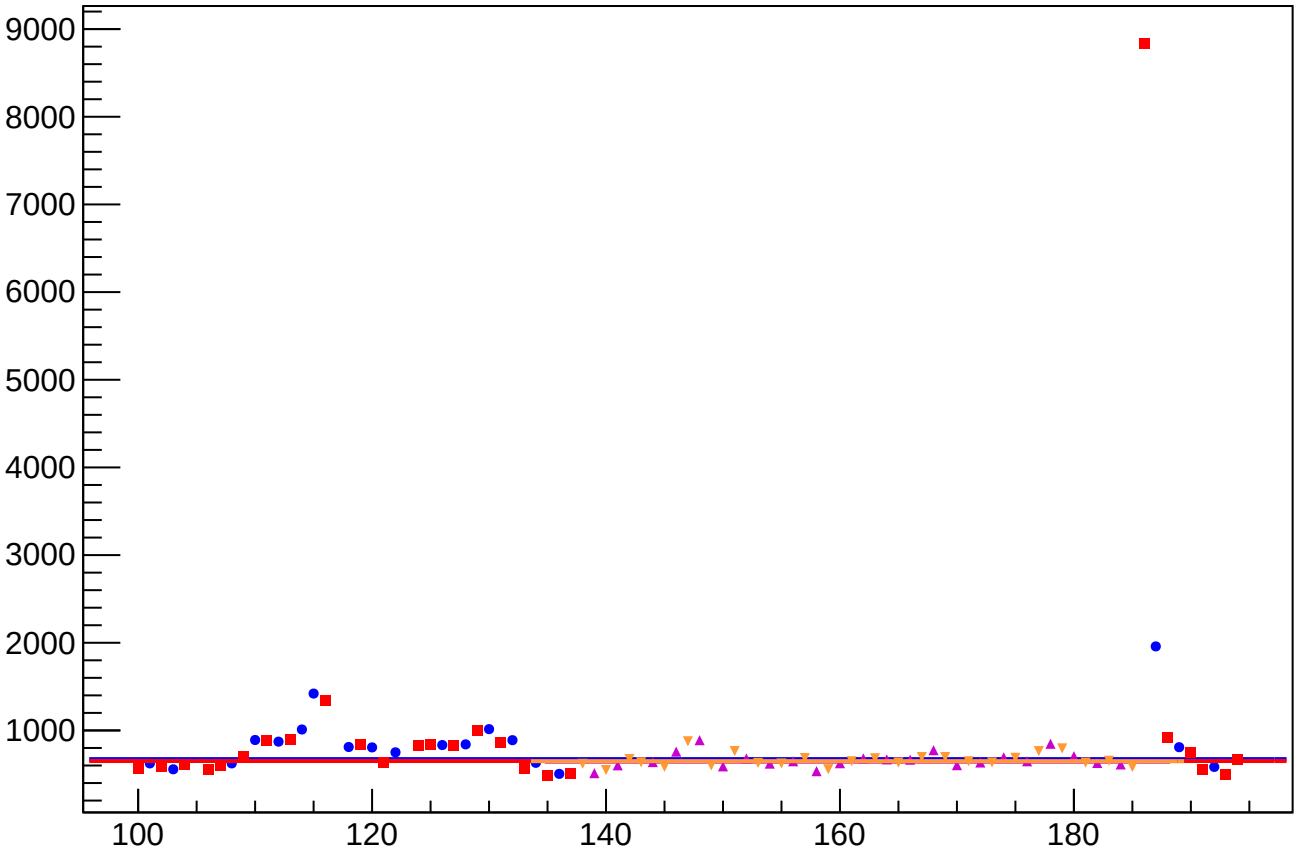
Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

Right: -224.649+/-154.038 χ^2/NDF: 35.4/43

In: -93.157+/-127.375 χ^2/NDF:44.0/41

Out: 40.959+/-120.464 χ^2/NDF:47.3/49

All: -22.362+/-87.522 χ^2/NDF: 91.9/91



Right In: 673.036+/-0.165 χ^2/NDF: 995810.5/18

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 651.262+/-0.145 χ^2/NDF: 1796763.5/24

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

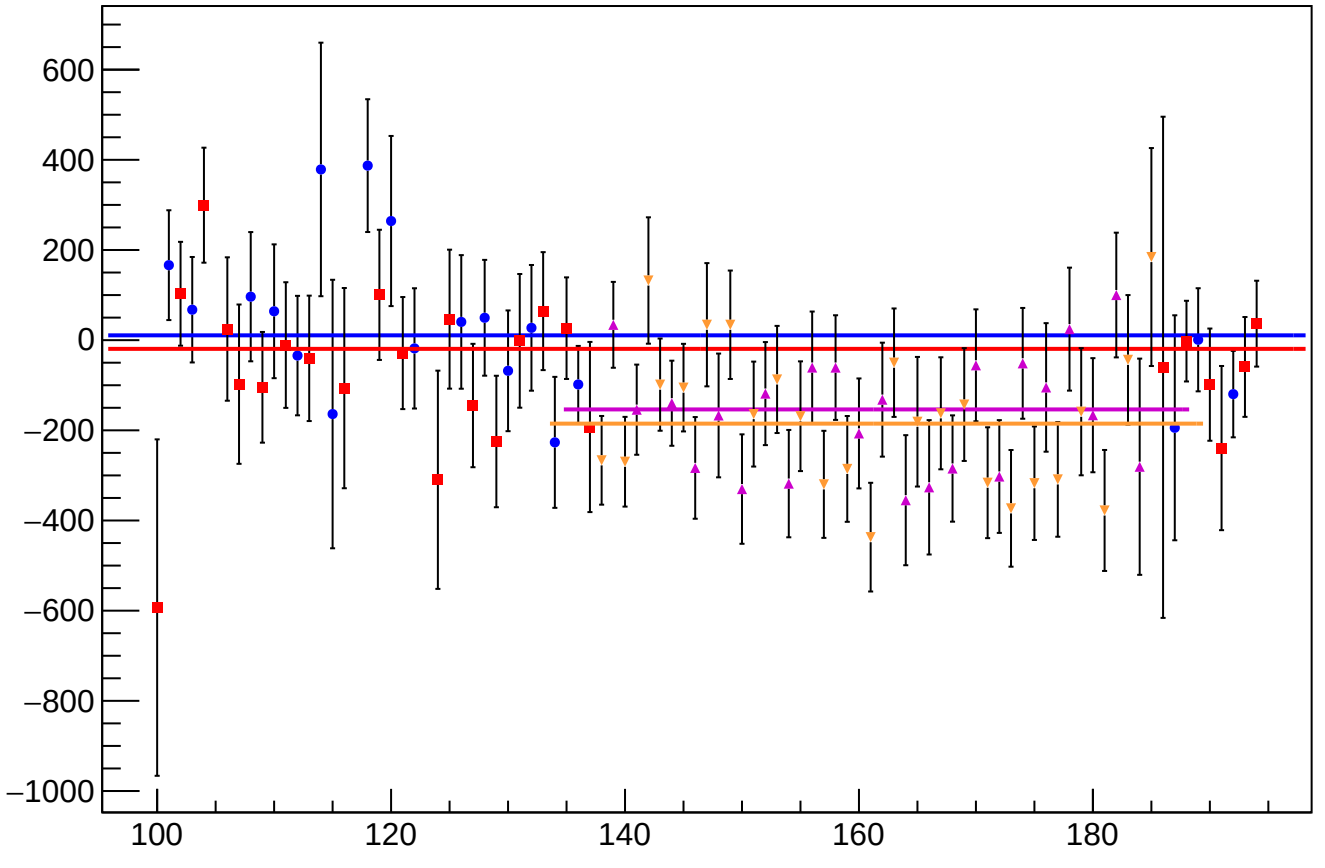
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 660.761+/-0.109 χ^2/NDF: 2802402.6/43

In: 652.712+/-0.090 χ^2/NDF:1576576.9/41

Out: 649.903+/-0.085 χ^2/NDF:2215262.0/49

All: 651.230+/-0.062 χ^2/NDF: 3792352.2/91



Right In: 10.701+/-30.935 χ^2/NDF: 20.2/18

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -19.299+/-27.701 χ^2/NDF: 19.6/24

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

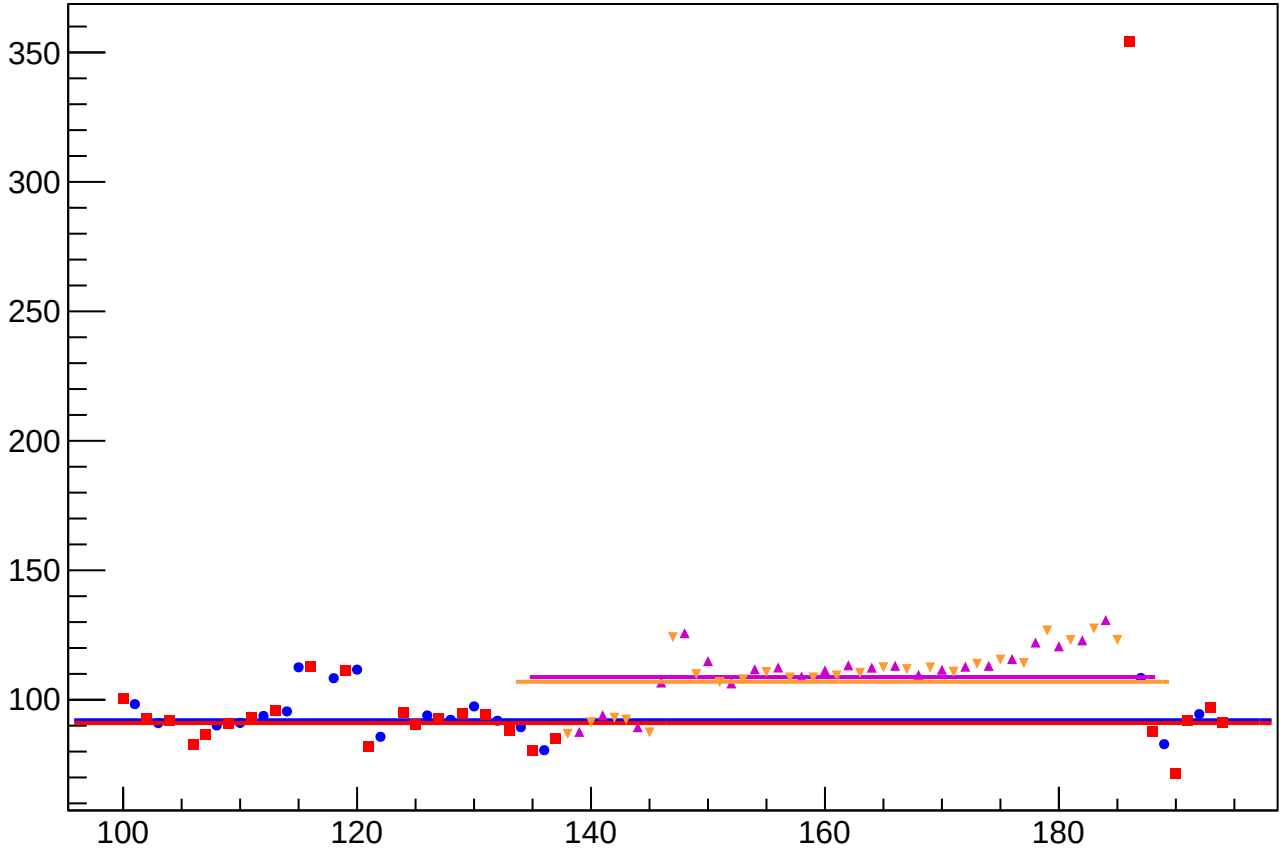
Right: -5.949+/-20.637 χ^2/NDF: 40.4/43

In: -87.029+/-19.694 χ^2/NDF:60.5/41

Out: -112.515+/-18.332 χ^2/NDF:72.8/49

All: -100.684+/-13.418 χ^2/NDF: 134.3/91

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 92.087+/-0.022 χ^2/NDF: 129975.1/18

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 91.017+/-0.020 χ^2/NDF: 610957.6/24

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

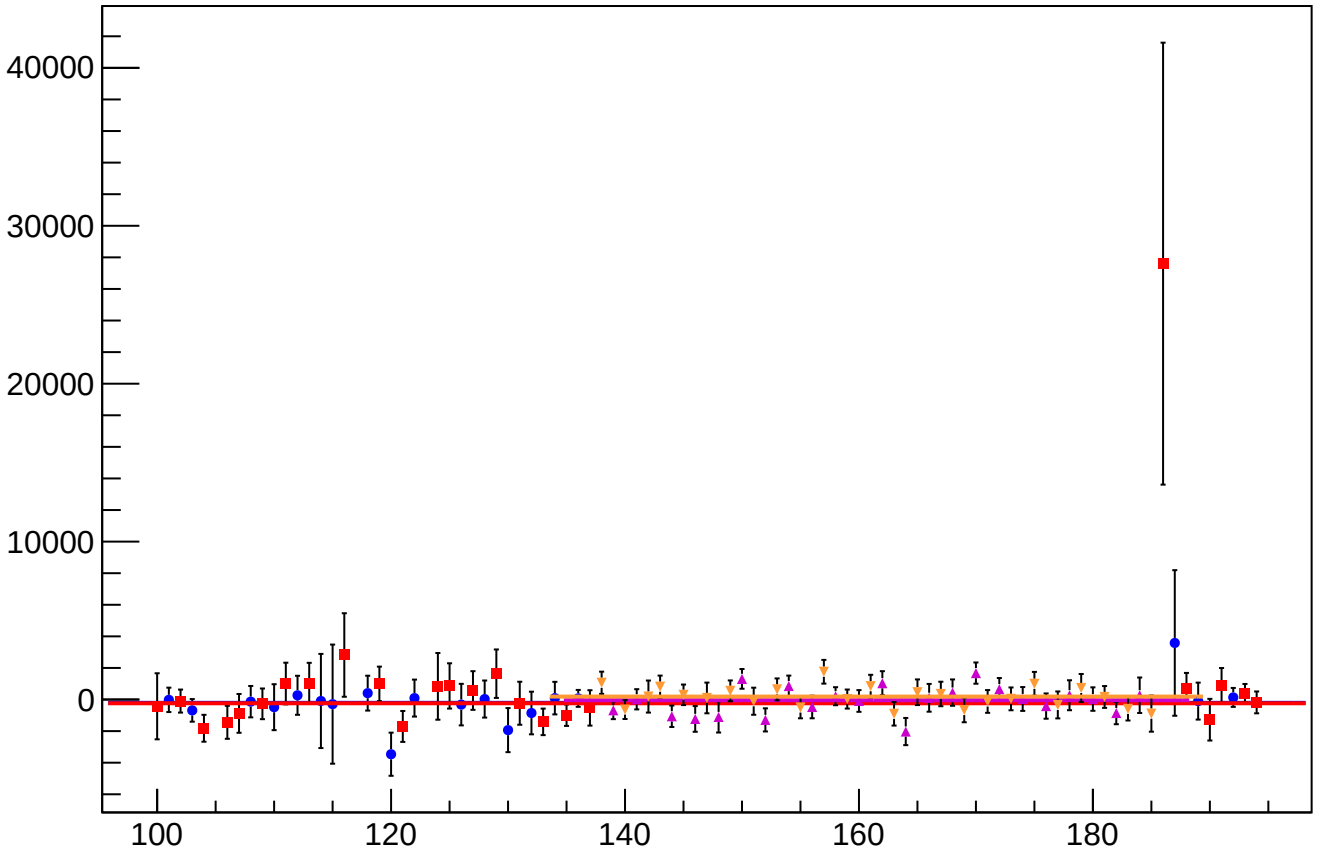
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 91.493+/-0.015 χ^2/NDF: 742260.9/43

In: 102.015+/-0.014 χ^2/NDF:834782.8/41

Out: 99.974+/-0.013 χ^2/NDF:1447317.2/49

All: 100.921+/-0.009 χ^2/NDF: 2293601.5/91



Right In: -210.545+/-233.209 χ^2/NDF: 9.9/18

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -237.117+/-205.625 χ^2/NDF: 25.7/24

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

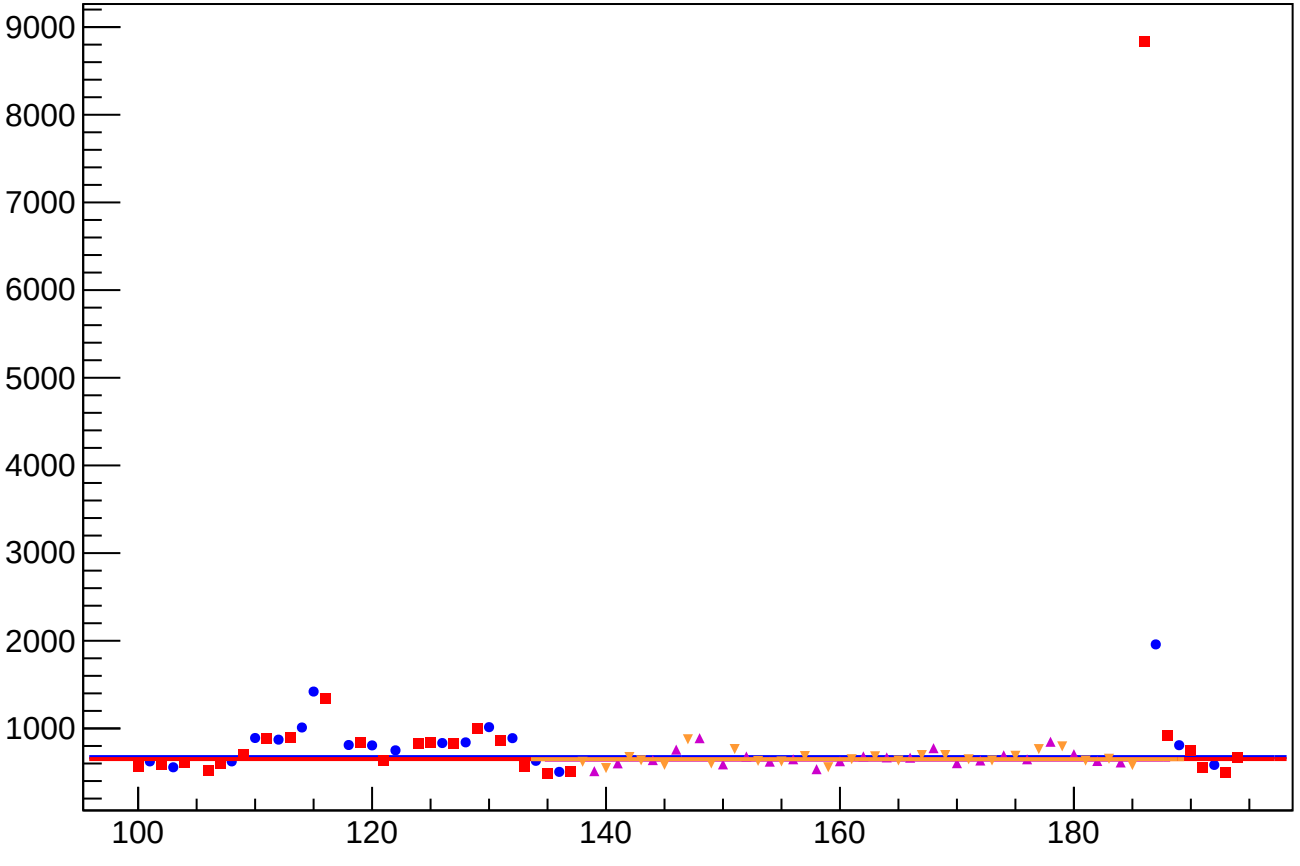
Right: -225.495+/-154.234 χ^2/NDF: 35.7/43

In: -93.158+/-127.375 χ^2/NDF:44.0/41

Out: 40.850+/-120.558 χ^2/NDF:47.6/49

All: -22.472+/-87.558 χ^2/NDF: 92.2/91

asym_sam_15_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 673.036+/-0.165 χ^2/NDF: 995811.3/18

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 650.634+/-0.145 χ^2/NDF: 1806335.0/24

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

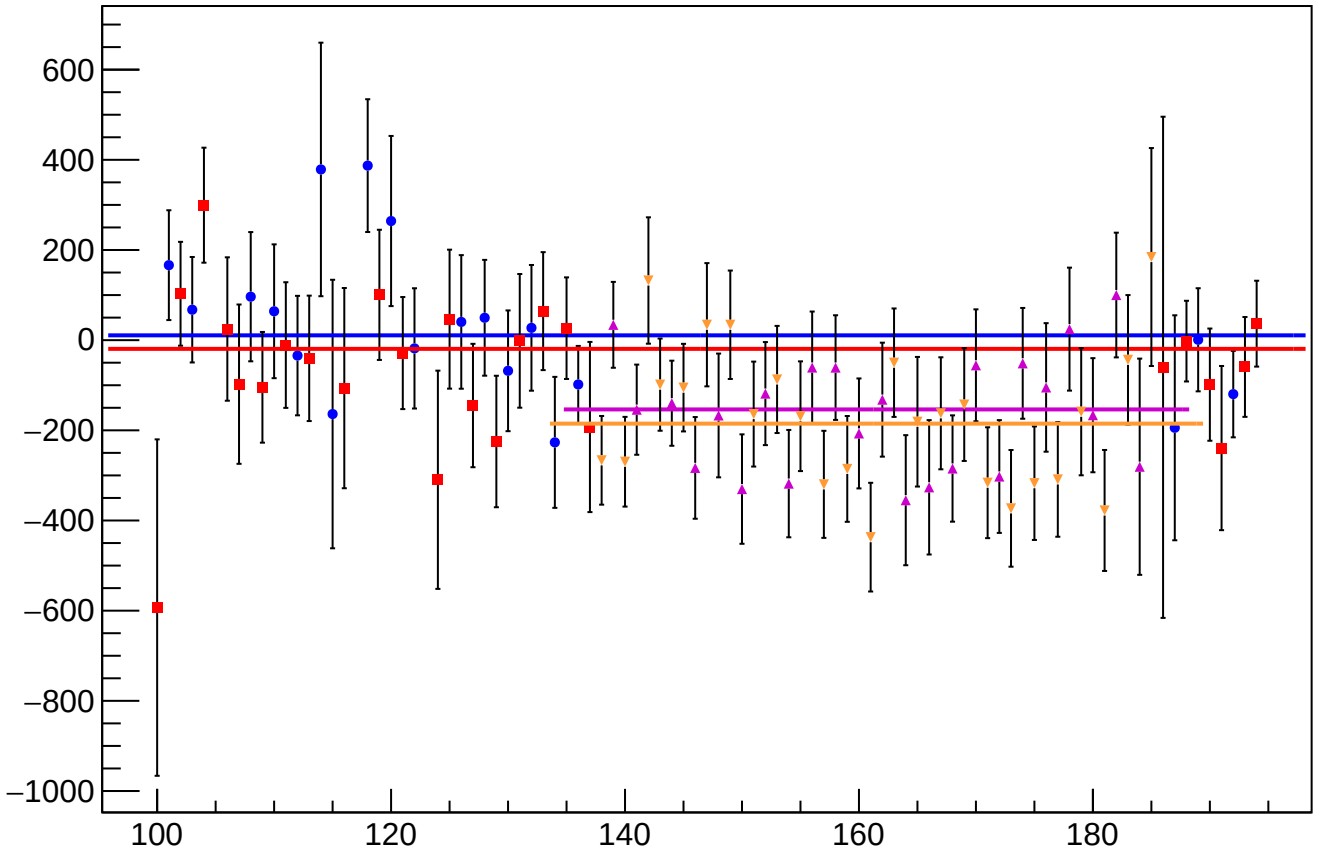
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 660.432+/-0.109 χ^2/NDF: 2812528.7/43

In: 652.712+/-0.090 χ^2/NDF:1576578.4/41

Out: 649.686+/-0.085 χ^2/NDF:2224765.3/49

All: 651.116+/-0.062 χ^2/NDF: 3801939.3/91



Right In: 10.701+/-30.935 χ^2/NDF: 20.2/18

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -19.299+/-27.701 χ^2/NDF: 19.6/24

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

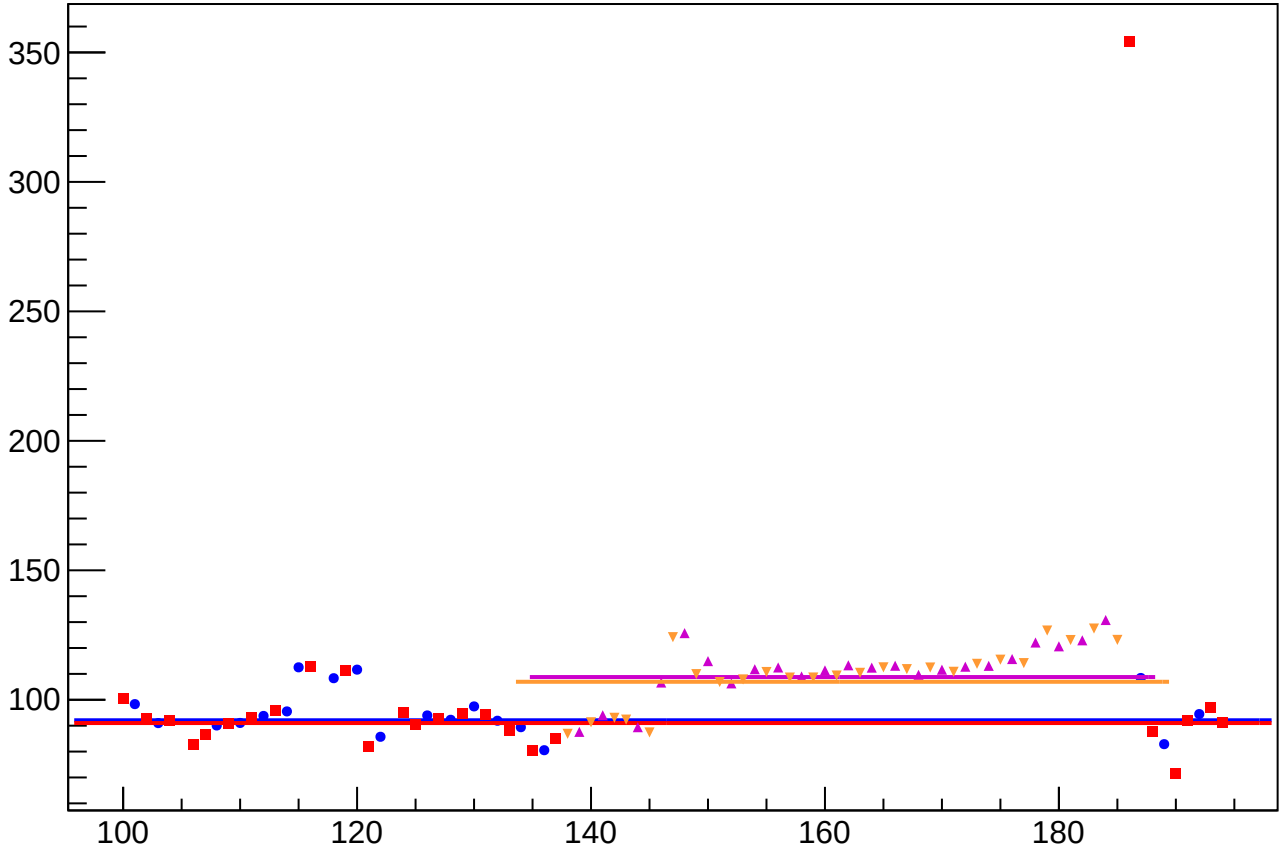
Right: -5.949+/-20.637 χ^2/NDF: 40.4/43

In: -87.029+/-19.694 χ^2/NDF:60.5/41

Out: -112.515+/-18.332 χ^2/NDF:72.8/49

All: -100.684+/-13.418 χ^2/NDF: 134.3/91

eigen_cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 92.087+/-0.022 χ^2/NDF: 129975.1/18

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 91.017+/-0.020 χ^2/NDF: 610957.6/24

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

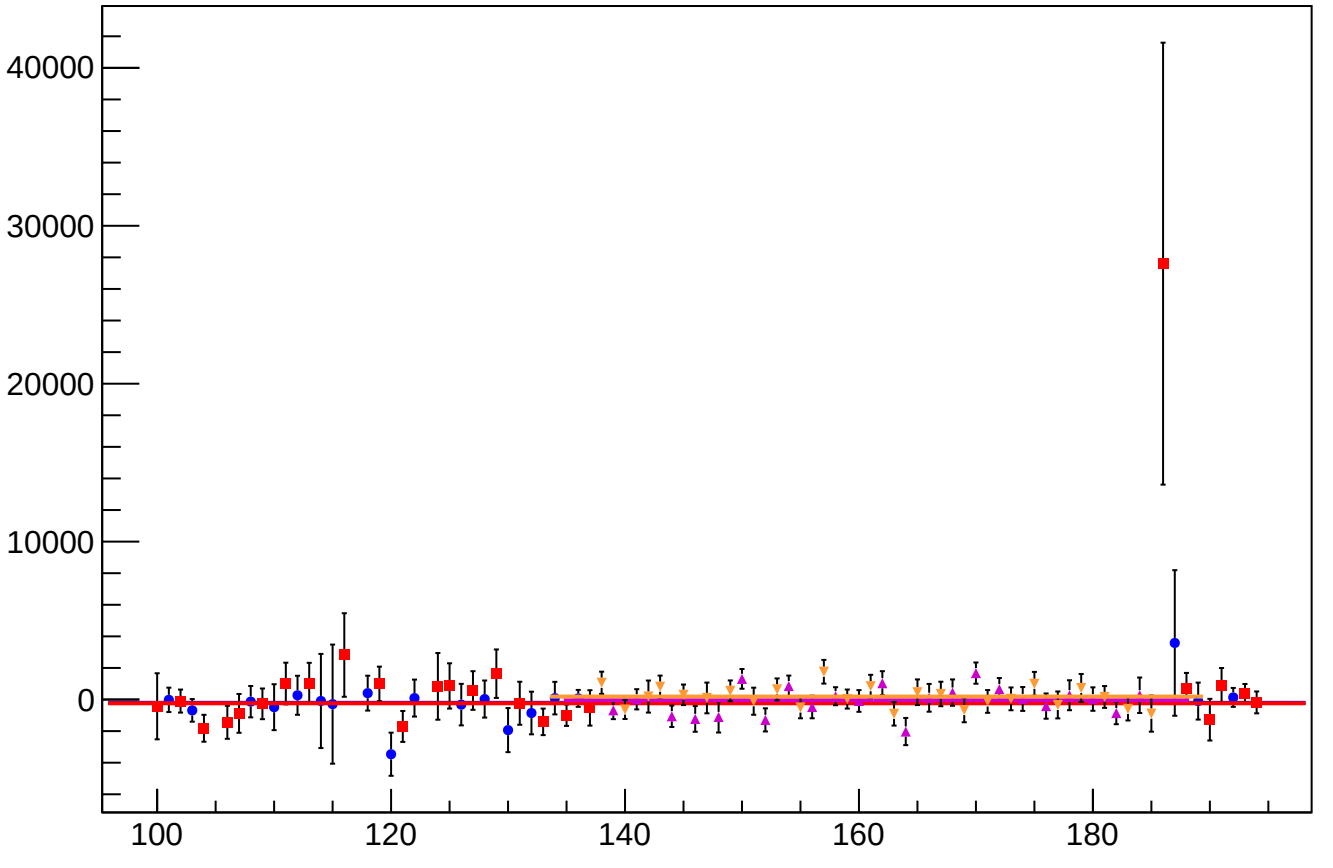
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 91.493+/-0.015 χ^2/NDF: 742260.9/43

In: 102.015+/-0.014 χ^2/NDF:834782.8/41

Out: 99.974+/-0.013 χ^2/NDF:1447317.2/49

All: 100.921+/-0.009 χ^2/NDF: 2293601.5/91



Right In: -210.545+/-233.209 χ^2/NDF: 9.9/18

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -237.117+/-205.625 χ^2/NDF: 25.7/24

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

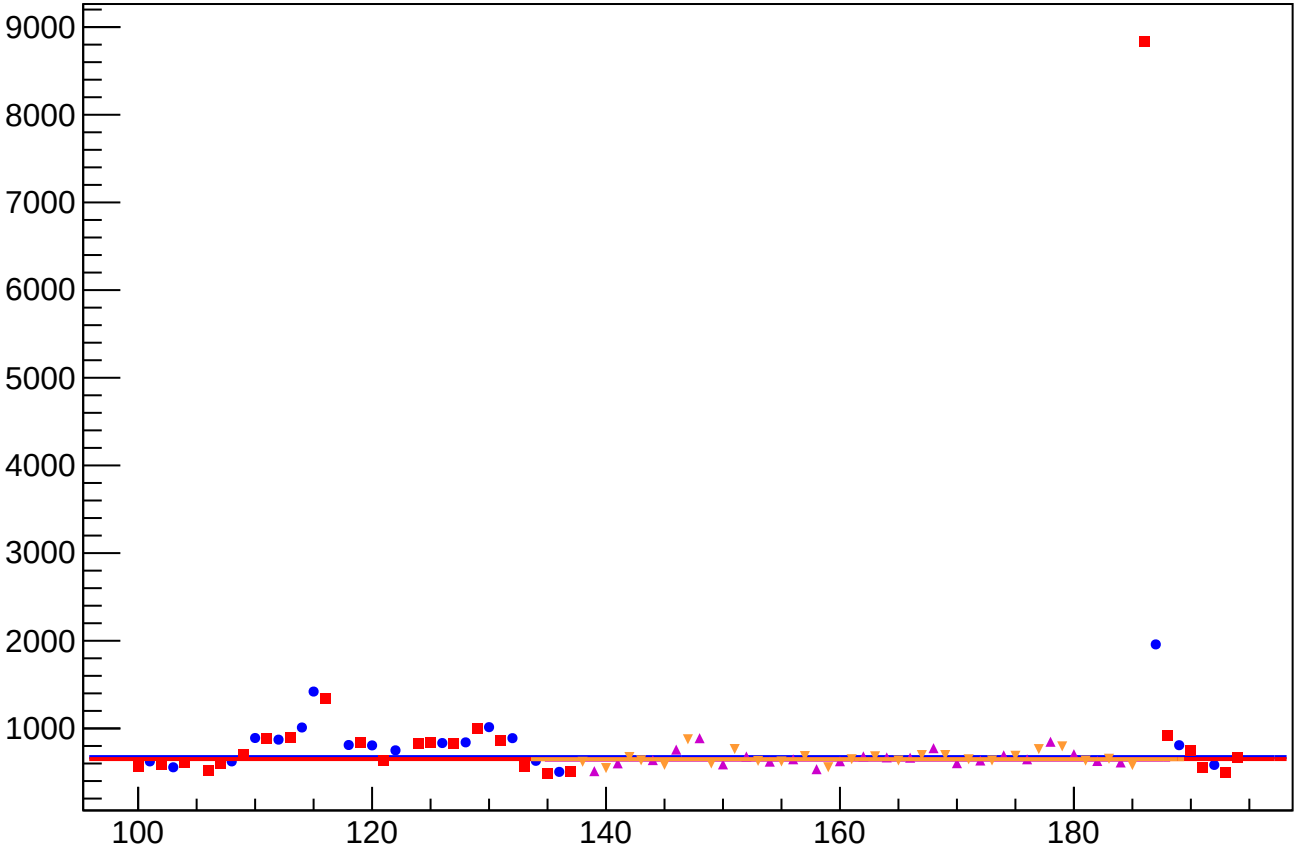
Right: -225.495+/-154.234 χ^2/NDF: 35.7/43

In: -93.158+/-127.375 χ^2/NDF:44.0/41

Out: 40.850+/-120.558 χ^2/NDF:47.6/49

All: -22.472+/-87.558 χ^2/NDF: 92.2/91

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 673.036+/-0.165 χ^2/NDF: 995811.3/18

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 650.634+/-0.145 χ^2/NDF: 1806335.0/24

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

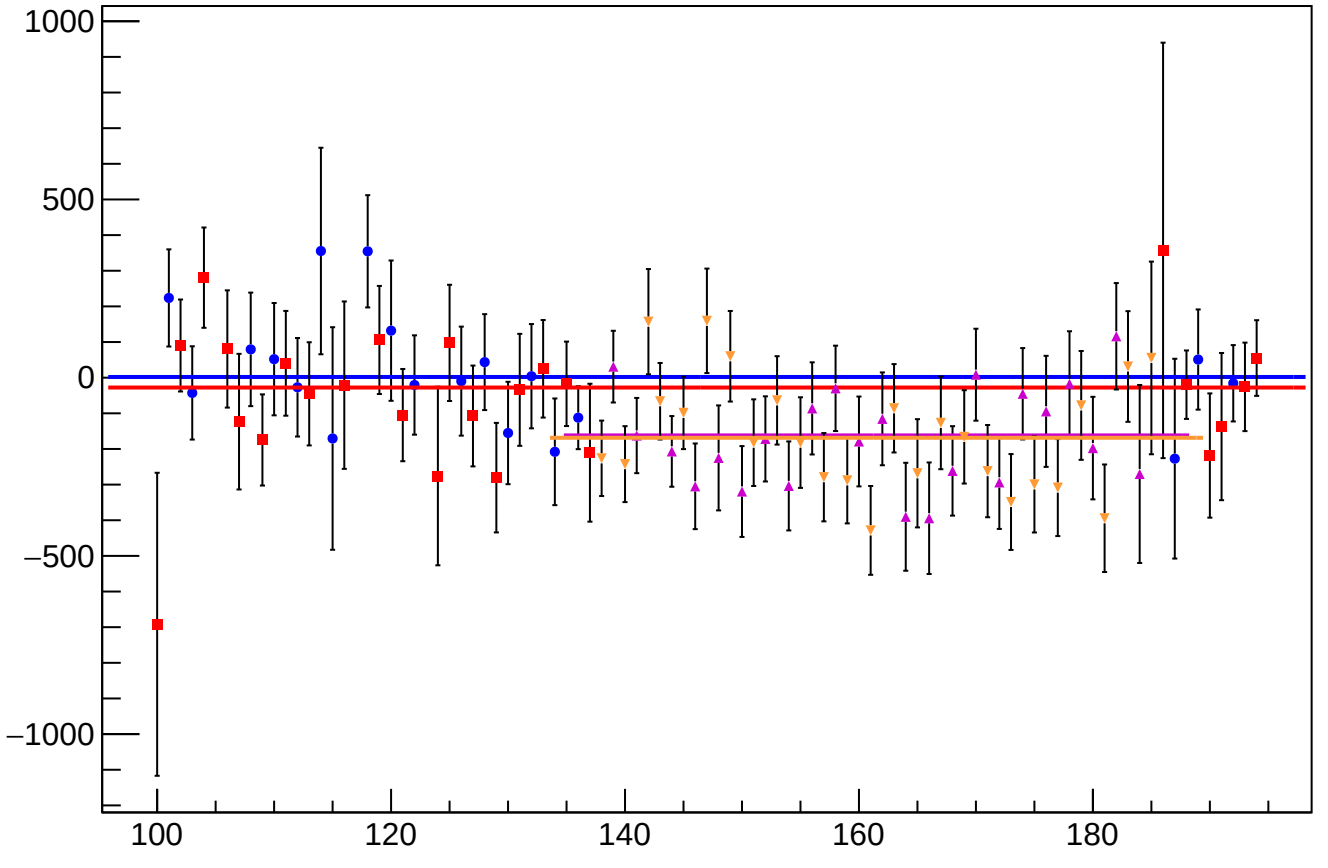
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 660.432+/-0.109 χ^2/NDF: 2812528.7/43

In: 652.712+/-0.090 χ^2/NDF:1576578.4/41

Out: 649.686+/-0.085 χ^2/NDF:2224765.3/49

All: 651.116+/-0.062 χ^2/NDF: 3801939.3/91



Right In: 1.976+/-33.320 χ^2/NDF: 16.2/18

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: -27.636+/-29.928 χ^2/NDF: 19.6/24

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

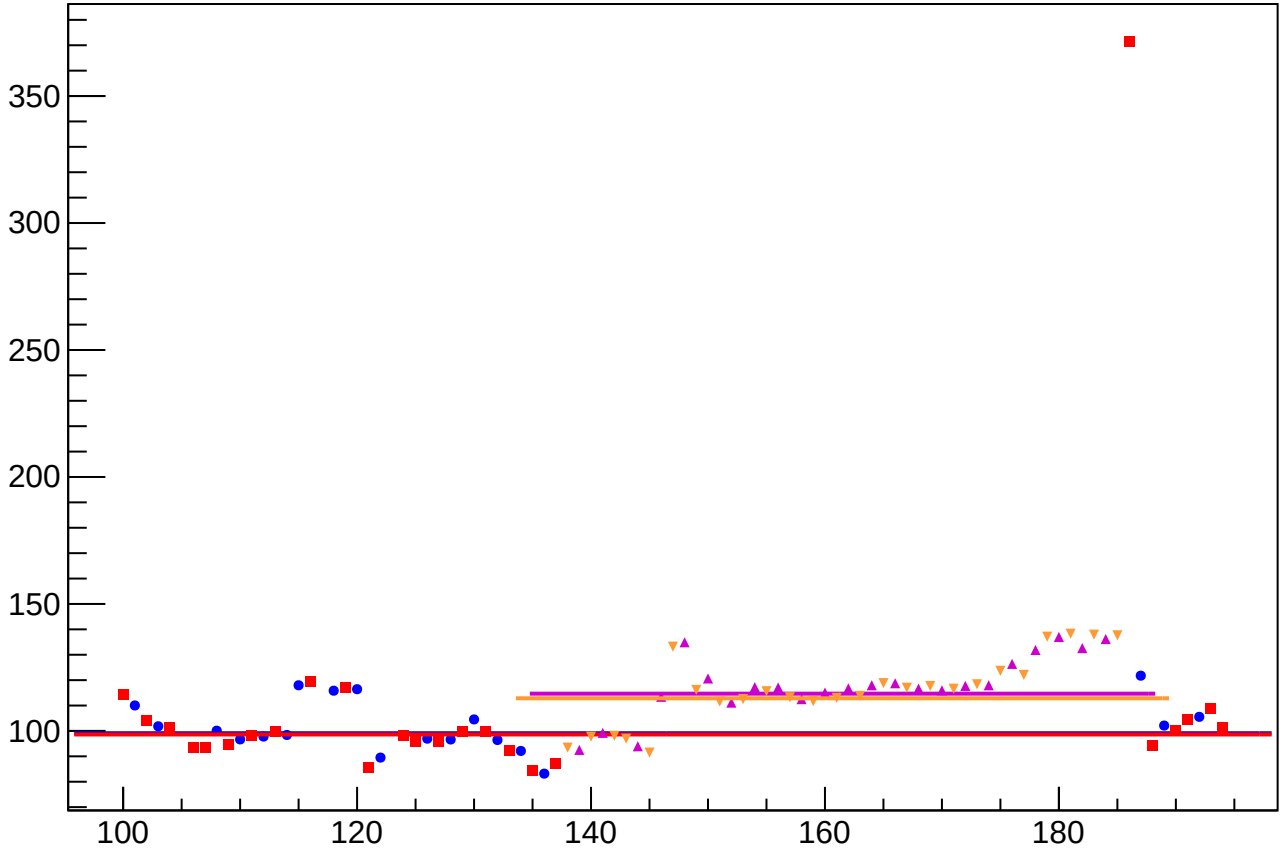
Right: -14.414+/-22.265 χ^2/NDF: 36.2/43

In: -97.175+/-20.953 χ^2/NDF:54.4/41

Out: -108.470+/-19.549 χ^2/NDF:64.7/49

All: -103.213+/-14.294 χ^2/NDF: 119.3/91

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 99.094+/-0.024 χ^2/NDF: 164614.4/18

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 98.613+/-0.021 χ^2/NDF: 578837.6/24

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

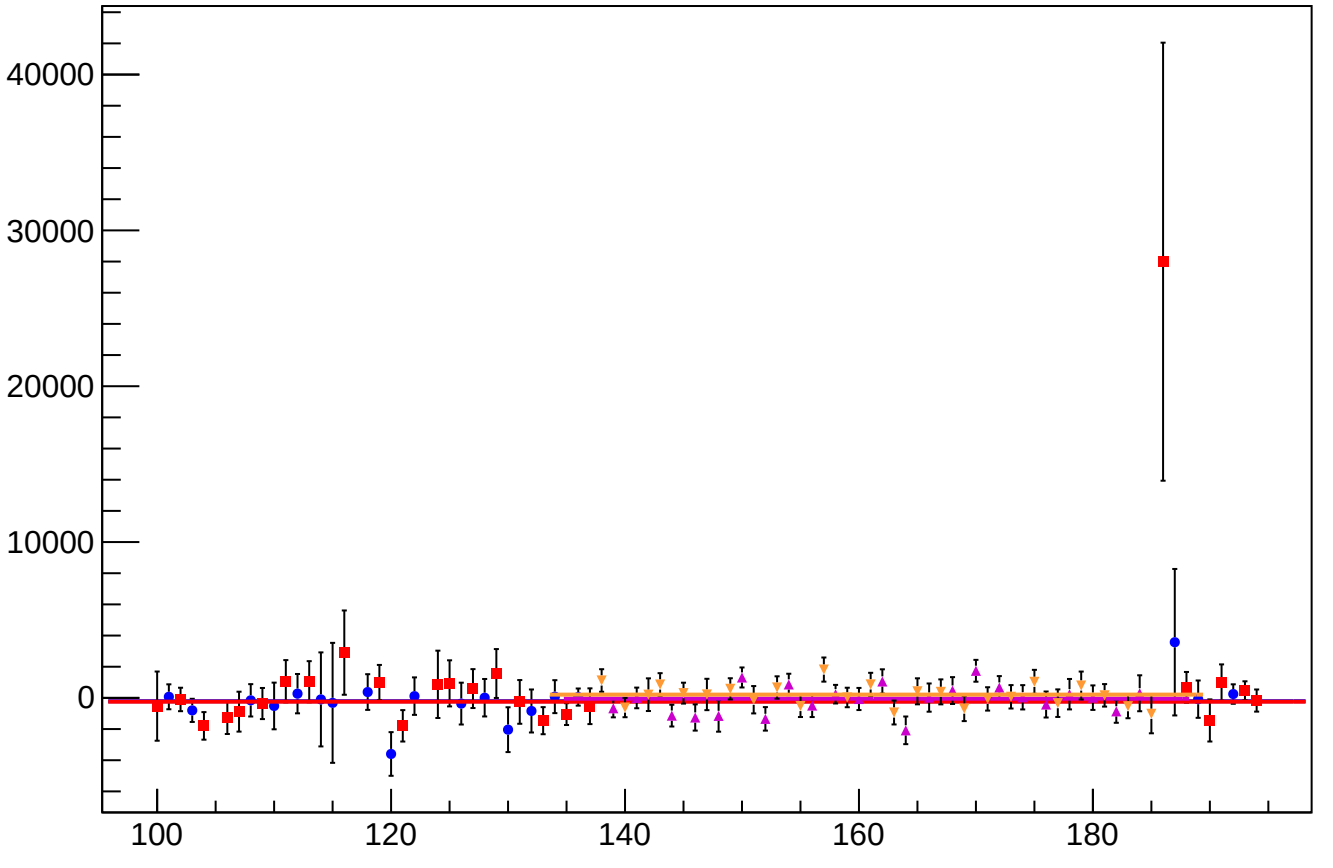
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 98.828+/-0.016 χ^2/NDF: 743683.0/43

In: 108.515+/-0.015 χ^2/NDF:839001.5/41

Out: 106.775+/-0.014 χ^2/NDF:1350557.6/49

All: 107.585+/-0.010 χ^2/NDF: 2196935.8/91



Right In: -213.286+/-240.566 χ^2/NDF: 10.5/18

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: -242.148+/-212.166 χ^2/NDF: 25.4/24

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

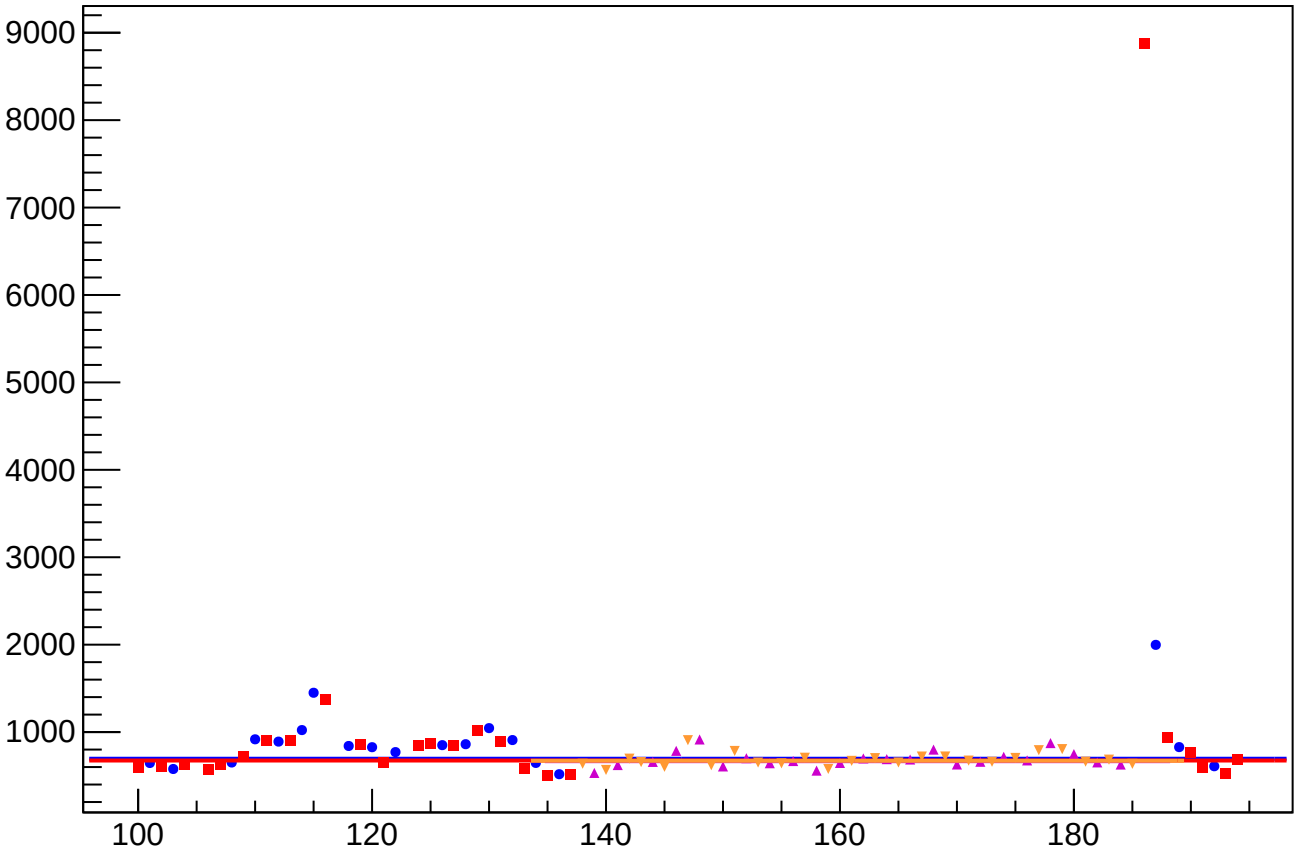
Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

Right: -229.521+/-159.122 χ^2/NDF: 35.9/43

In: -99.171+/-131.762 χ^2/NDF:44.1/41

Out: 53.674+/-124.590 χ^2/NDF:47.3/49

All: -18.476+/-90.528 χ^2/NDF: 92.1/91



Right In: 695.095+/-0.170 χ^2/NDF: 970455.1/18

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 674.880+/-0.150 χ^2/NDF: 1729816.7/24

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

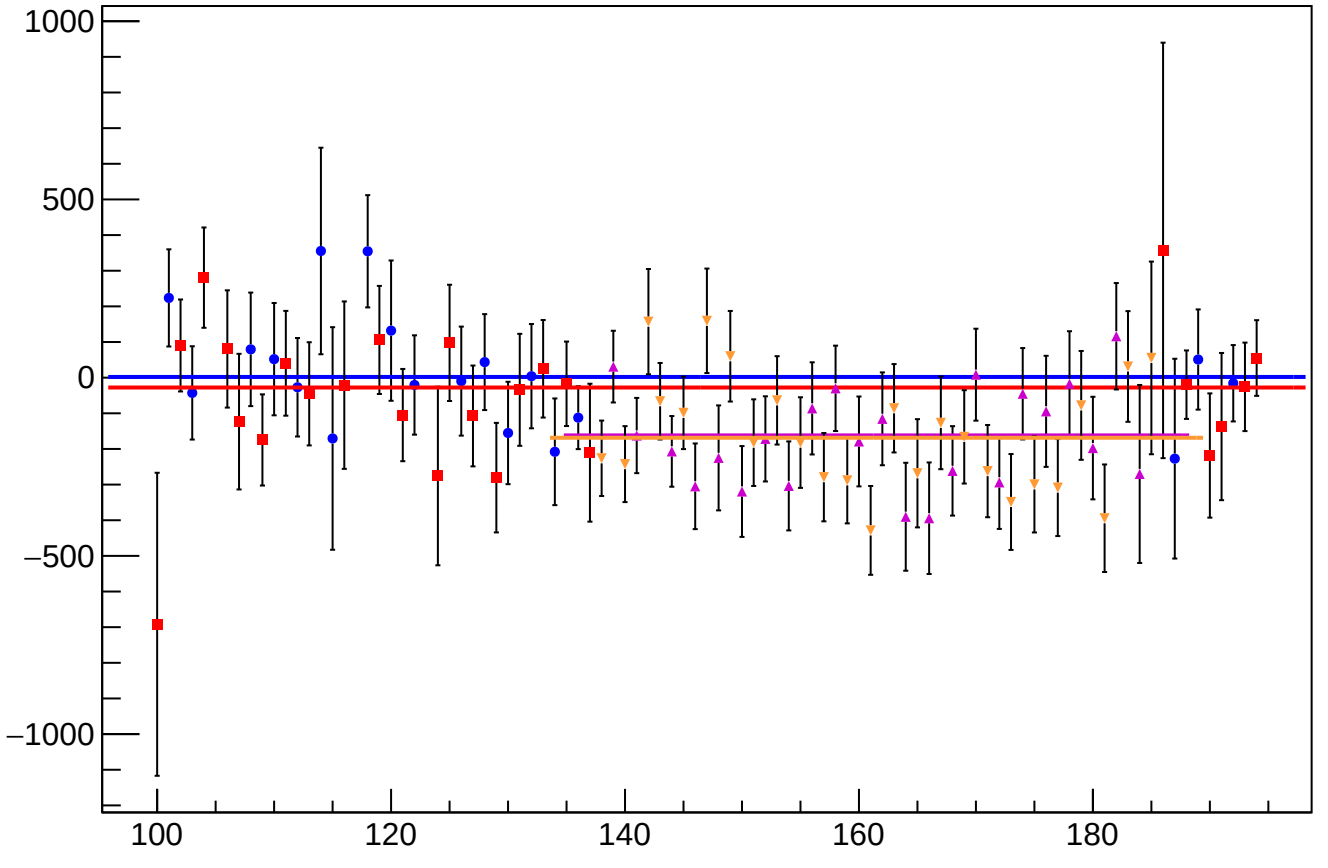
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 683.725+/-0.113 χ^2/NDF: 2708214.9/43

In: 675.667+/-0.093 χ^2/NDF:1535992.4/41

Out: 672.894+/-0.088 χ^2/NDF:2129244.2/49

All: 674.203+/-0.064 χ^2/NDF: 3665704.3/91



Right In: 1.977+/-33.320 χ^2/NDF: 16.2/18

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: -27.637+/-29.928 χ^2/NDF: 19.6/24

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

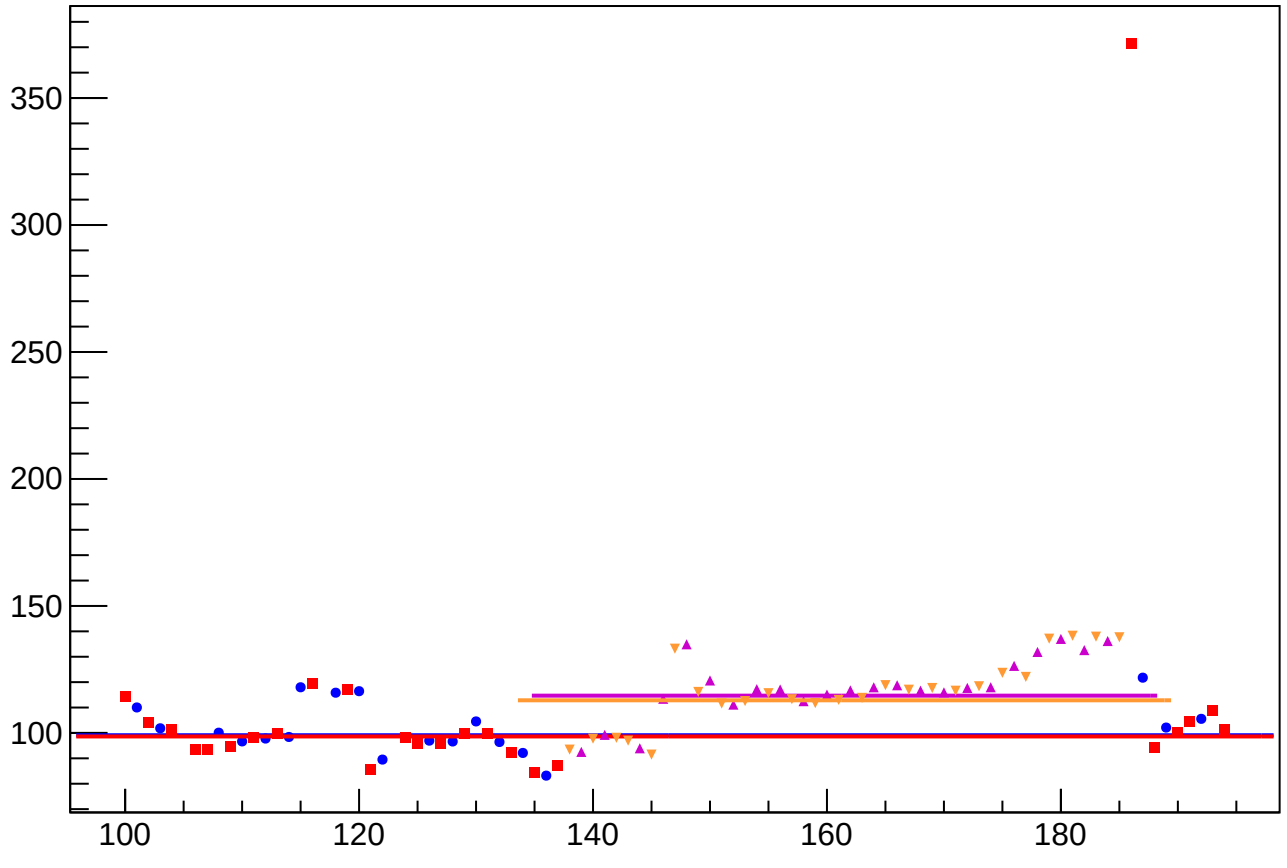
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -14.414+/-22.265 χ^2/NDF: 36.2/43

In: -97.174+/-20.953 χ^2/NDF:54.4/41

Out: -108.470+/-19.549 χ^2/NDF:64.7/49

All: -103.213+/-14.294 χ^2/NDF: 119.3/91



Right In: 99.094+/-0.024 χ^2/NDF: 164617.8/18

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

Right Out: 98.613+/-0.021 χ^2/NDF: 578836.8/24

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

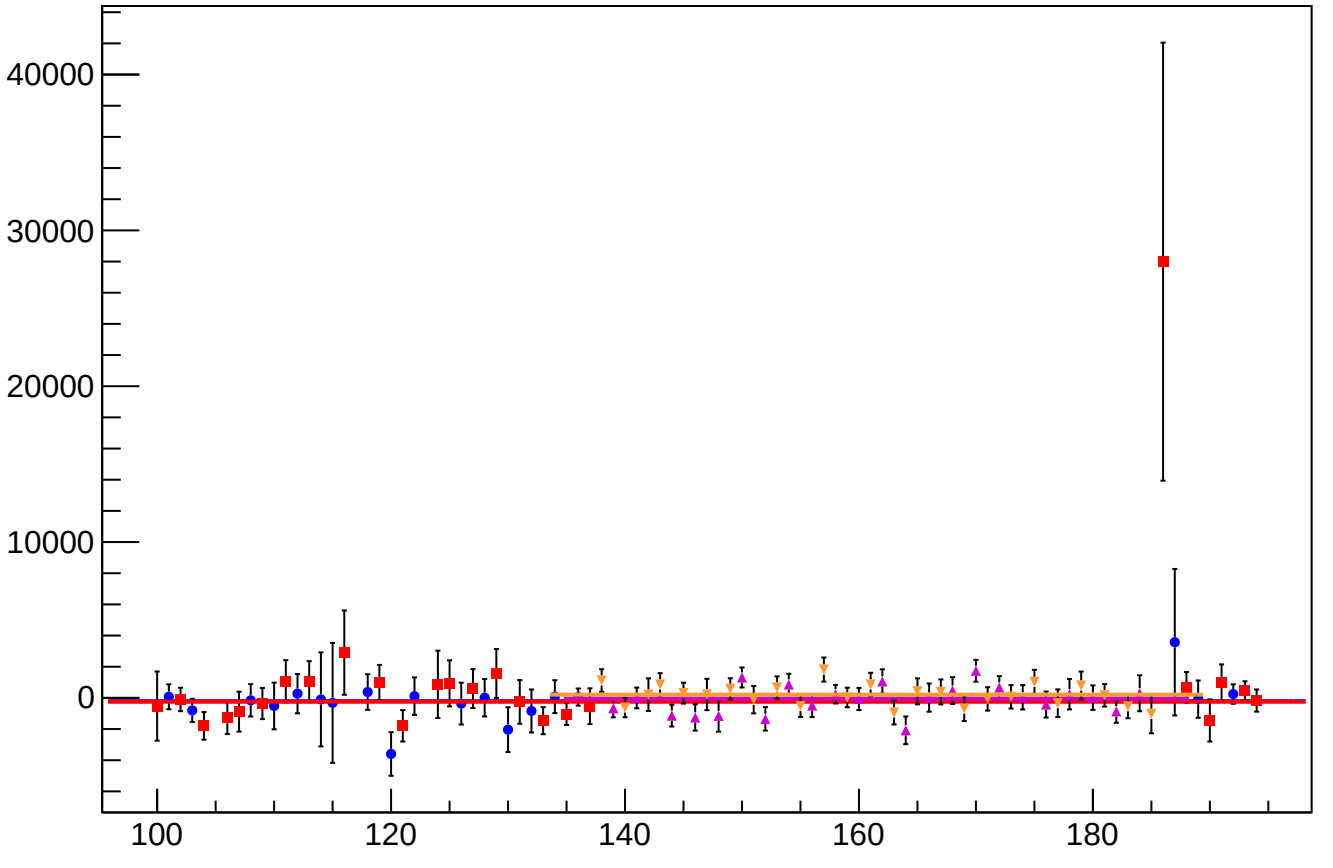
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 98.828+/-0.016 χ^2/NDF: 743685.6/43

In: 108.515+/-0.015 χ^2/NDF:839011.4/41

Out: 106.775+/-0.014 χ^2/NDF:1350558.1/49

All: 107.585+/-0.010 χ^2/NDF: 2196946.5/91



Right In: -213.285+/-240.566 χ^2/NDF: 10.5/18

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: -242.149+/-212.166 χ^2/NDF: 25.4/24

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

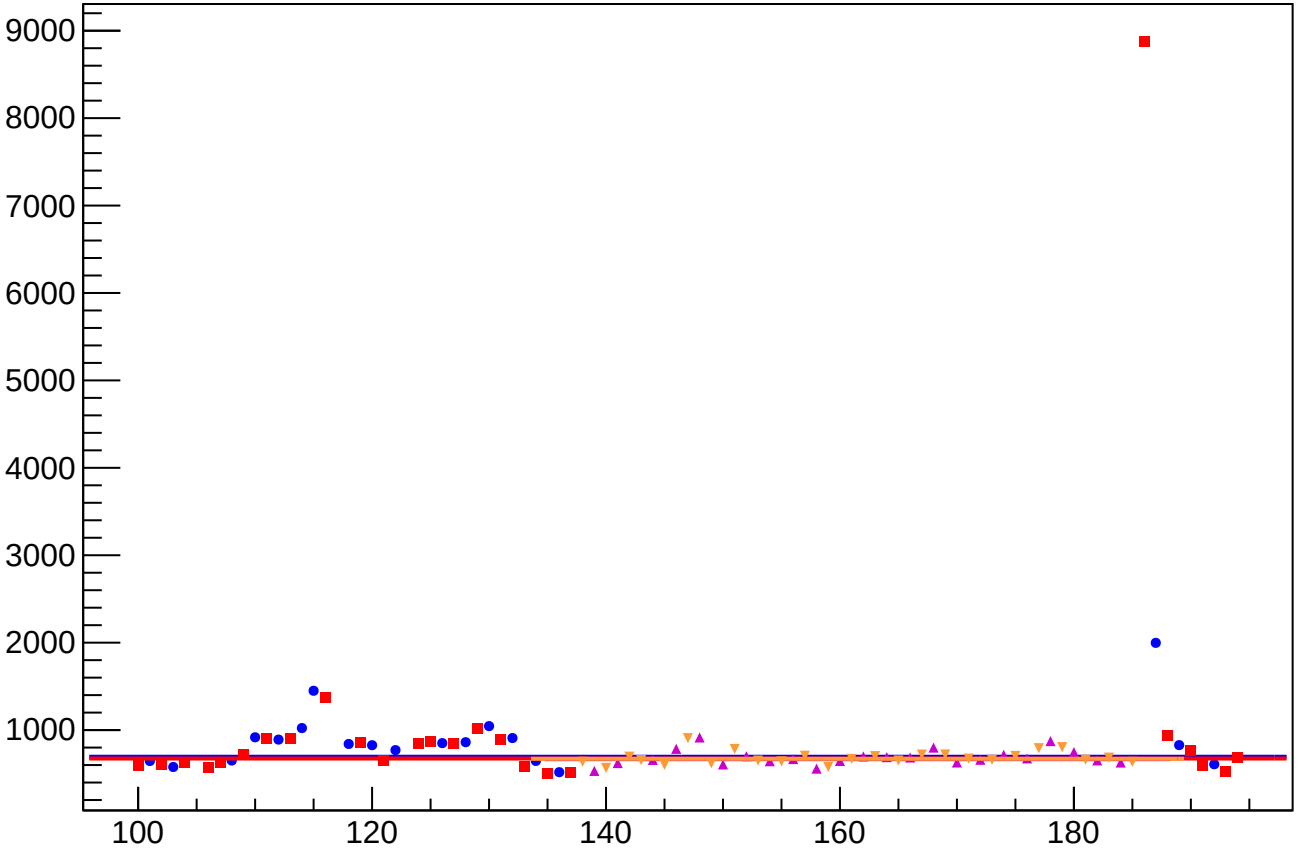
Right: -229.521+/-159.122 χ^2/NDF: 35.9/43

In: -99.172+/-131.762 χ^2/NDF:44.1/41

Out: 53.673+/-124.590 χ^2/NDF:47.3/49

All: -18.477+/-90.528 χ^2/NDF: 92.1/91

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 695.094+/-0.170 χ^2/NDF: 970458.0/18

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 674.879+/-0.150 χ^2/NDF: 1729821.3/24

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

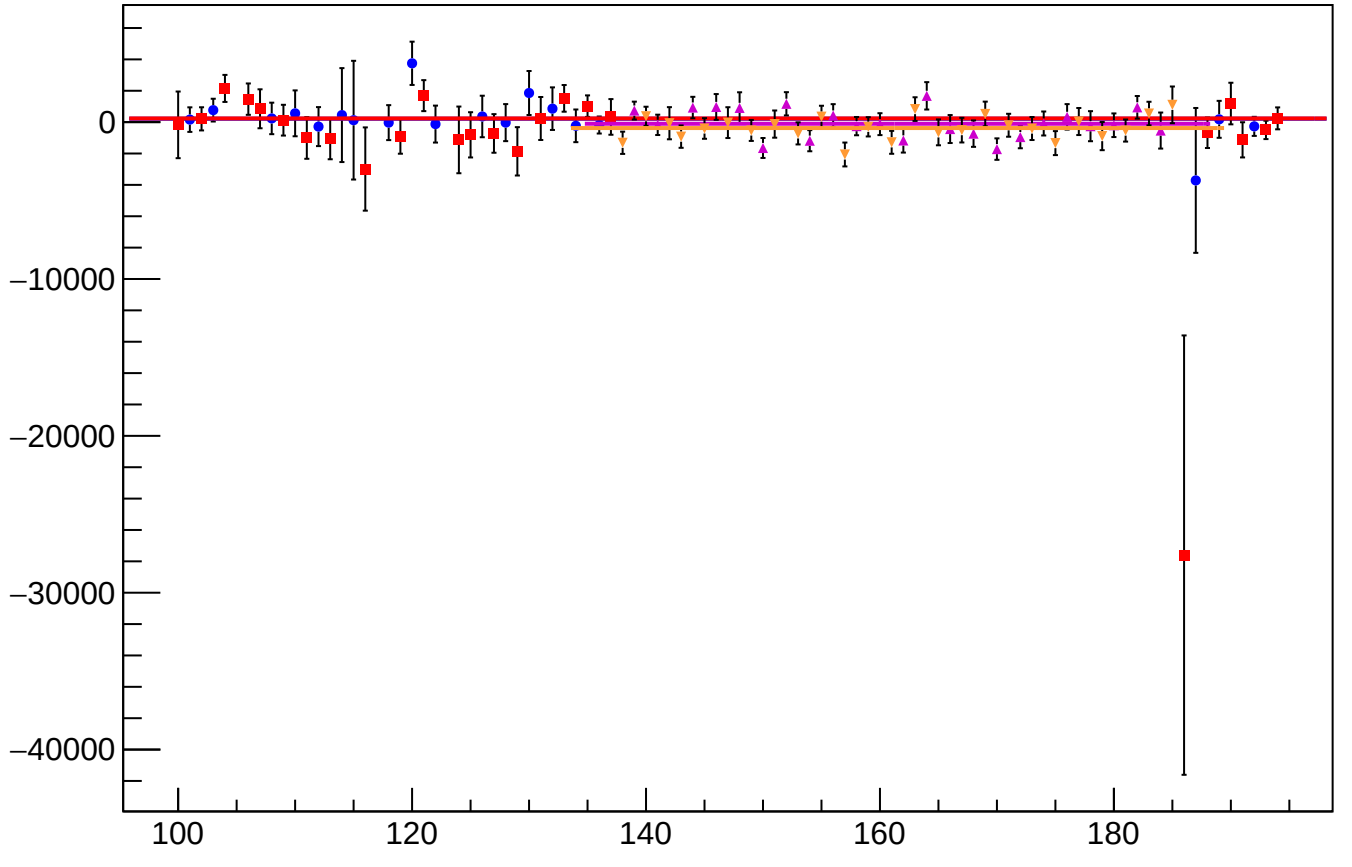
Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

Right: 683.723+/-0.113 χ^2/NDF: 2708222.4/43

In: 675.667+/-0.093 χ^2/NDF:1535995.2/41

Out: 672.894+/-0.088 χ^2/NDF:2129248.9/49

All: 674.203+/-0.064 χ^2/NDF: 3665711.9/91



Right In: 217.782+/-235.667 χ^2/NDF: 11.2/18

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: 234.710+/-207.478 χ^2/NDF: 28.7/24

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

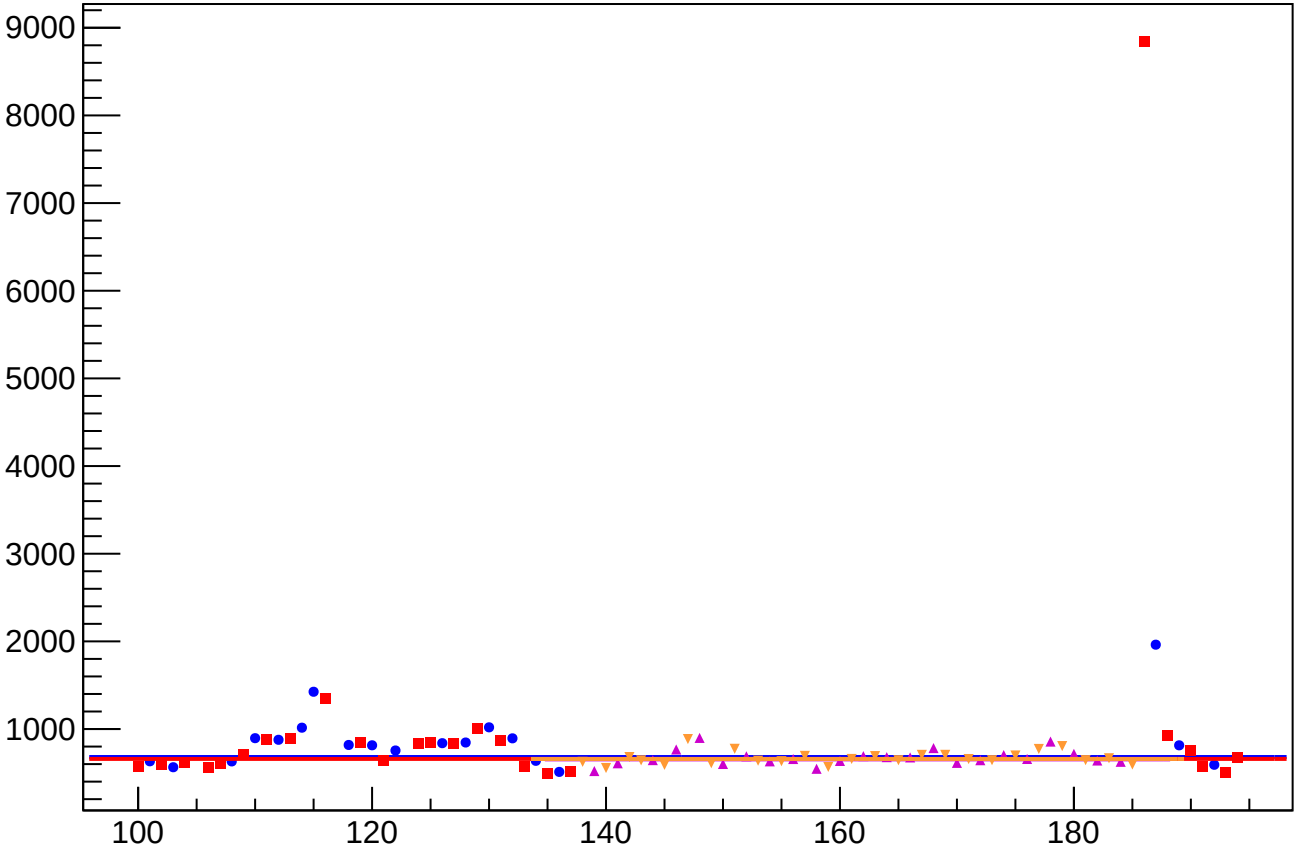
Right: 227.319+/-155.727 χ^2/NDF: 39.9/43

In: -6.943+/-129.112 χ^2/NDF:48.1/41

Out: -165.418+/-122.064 χ^2/NDF:55.8/49

All: -90.624+/-88.699 χ^2/NDF: 104.7/91

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 680.692+/-0.167 χ^2/NDF: 972508.8/18

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

Right Out: 659.325+/-0.147 χ^2/NDF: 1762229.4/24

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

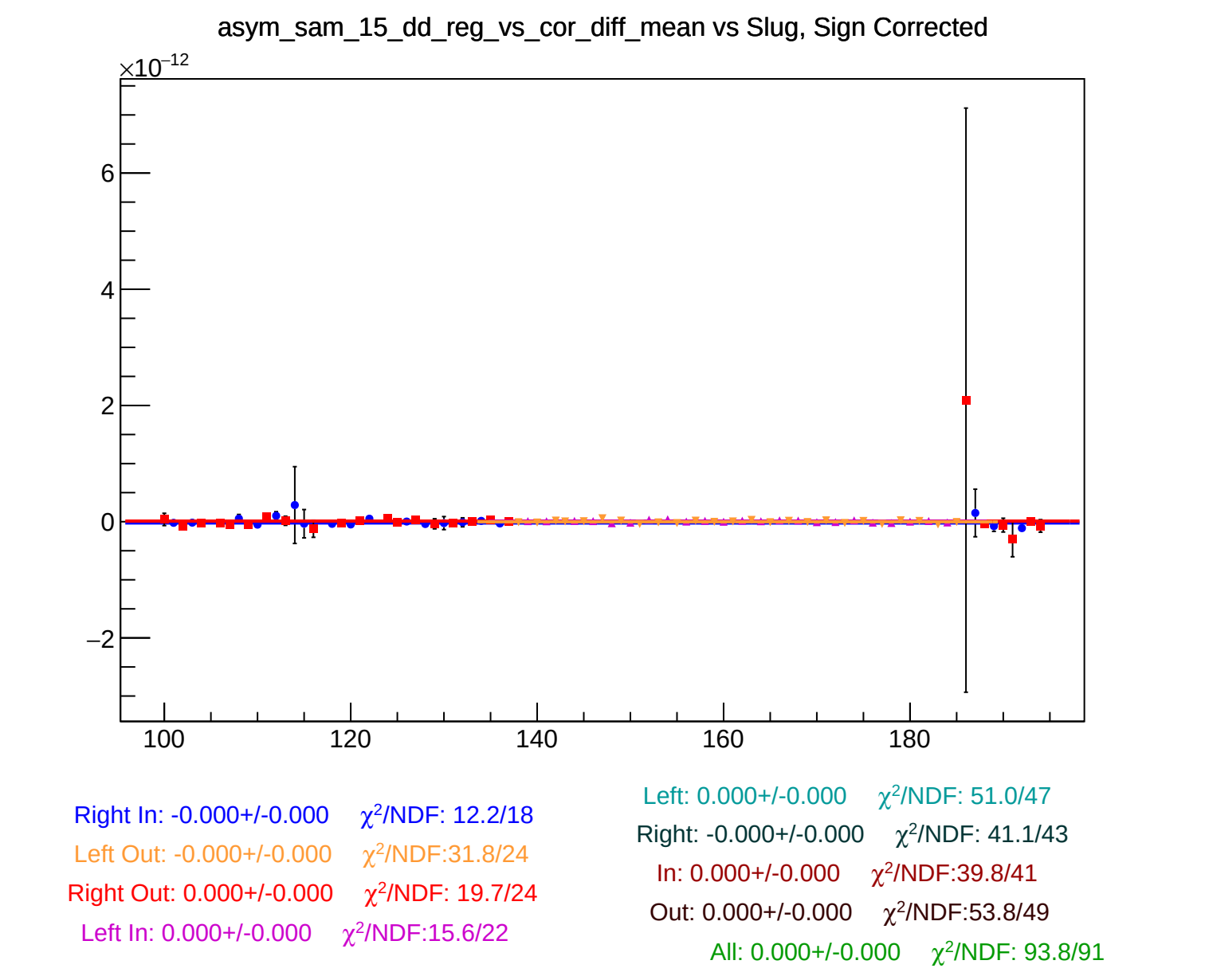
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

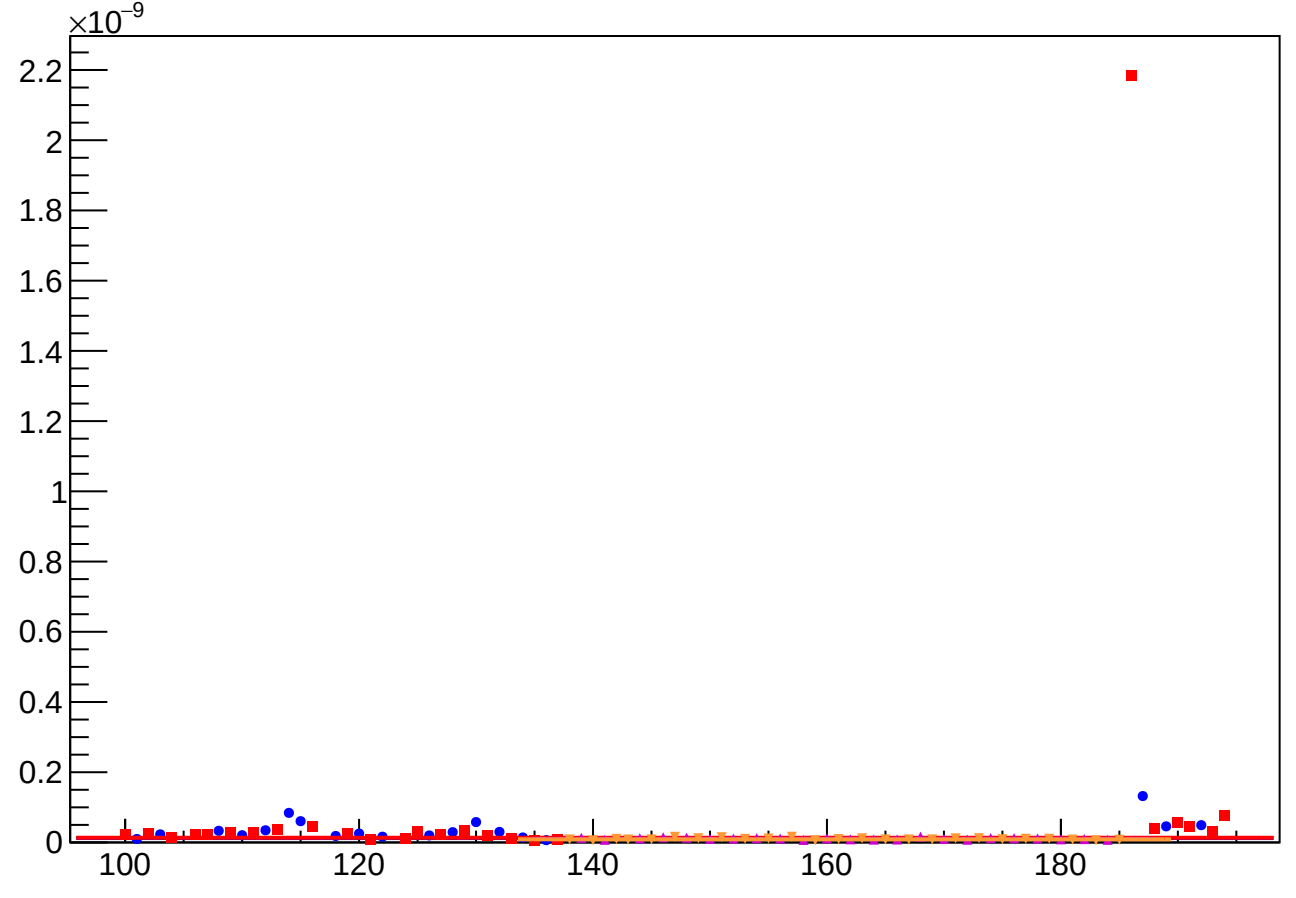
Right: 668.655+/-0.110 χ^2/NDF: 2744000.3/43

In: 661.977+/-0.091 χ^2/NDF:1532610.0/41

Out: 658.898+/-0.086 χ^2/NDF:2171926.7/49

All: 660.351+/-0.063 χ^2/NDF: 3705137.0/91


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
Right In: -0.000+/-0.000 χ²/NDF: 12.2/18
Left Out: -0.000+/-0.000 χ²/NDF:31.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 19.7/24
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: 41.1/43
In: 0.000+/-0.000 χ²/NDF:39.8/41
Out: 0.000+/-0.000 χ²/NDF:53.8/49
All: 0.000+/-0.000 χ²/NDF: 93.8/91



Right In: 0.000+/-0.000 χ^2/NDF: 3188846.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4268959.6/24

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

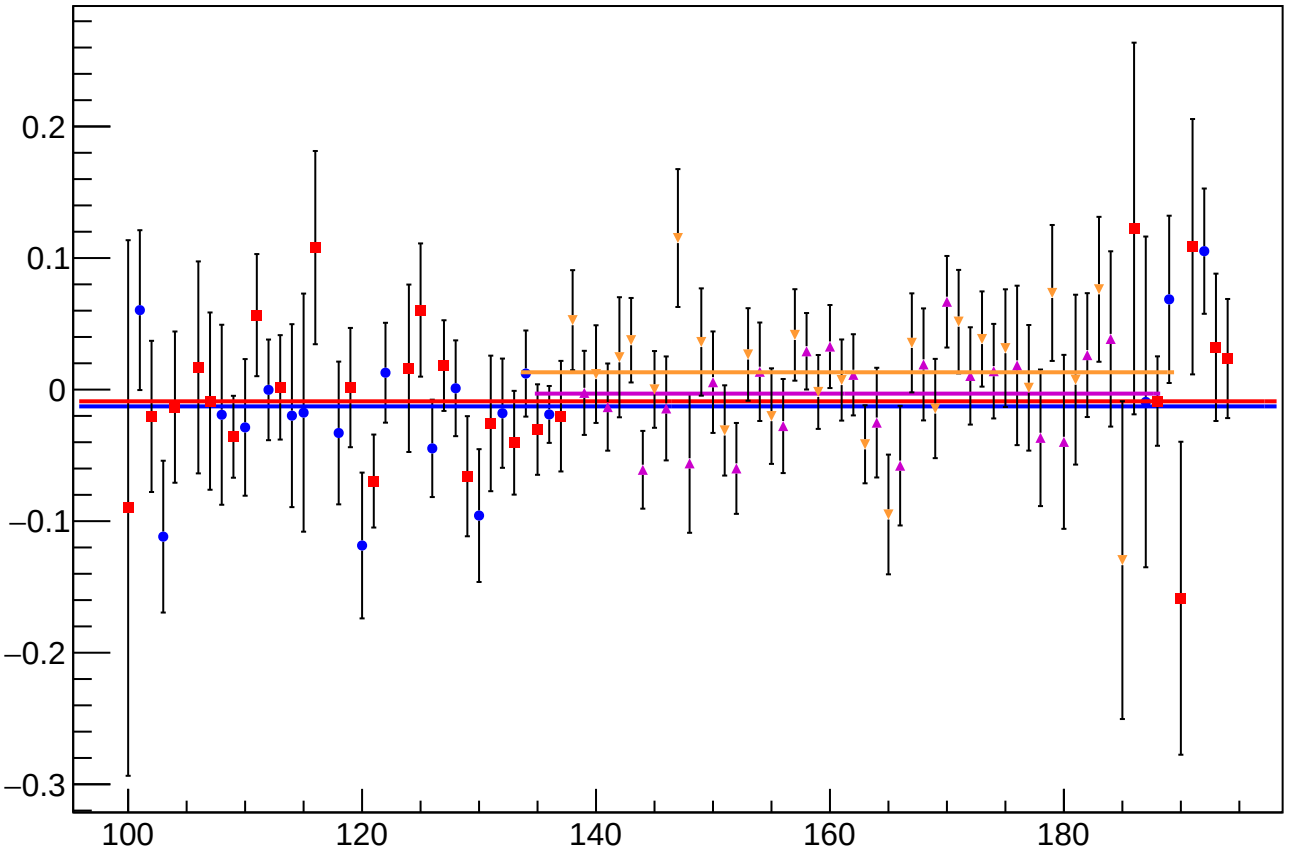
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 7470101.3/43

In: 0.000+/-0.000 χ^2/NDF:3992676.5/41

Out: 0.000+/-0.000 χ^2/NDF:5861533.4/49

All: 0.000+/-0.000 χ^2/NDF: 9938416.3/91



Right In: -0.013+/-0.010 χ^2/NDF: 20.9/18

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.009+/-0.010 χ^2/NDF: 19.0/24

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

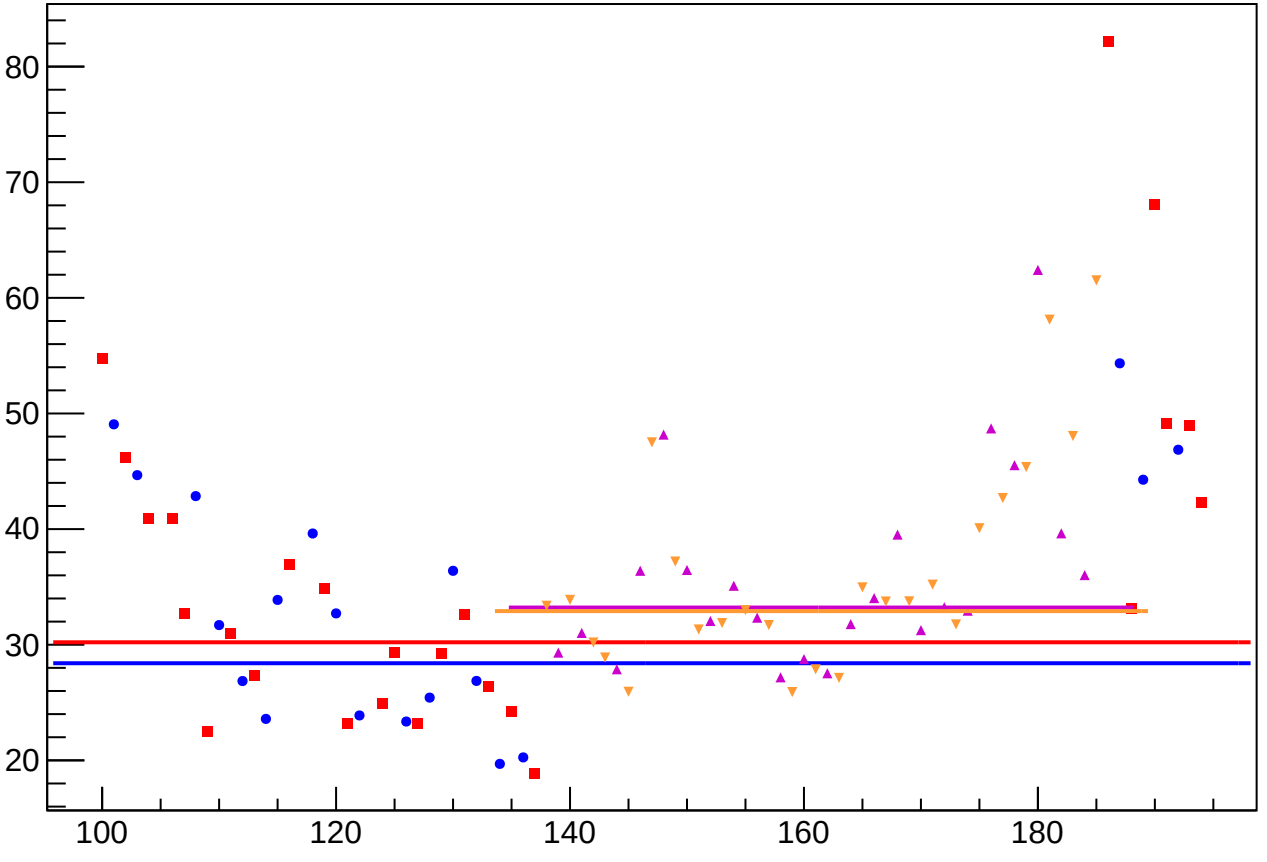
Right: -0.011+/-0.007 χ^2/NDF: 40.0/43

In: -0.007+/-0.006 χ^2/NDF:40.7/41

Out: 0.005+/-0.006 χ^2/NDF:47.6/49

All: -0.001+/-0.004 χ^2/NDF: 90.0/91

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.400+/-0.007 χ^2/NDF: 1672643.8/18

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 30.211+/-0.007 χ^2/NDF: 1797633.9/24

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

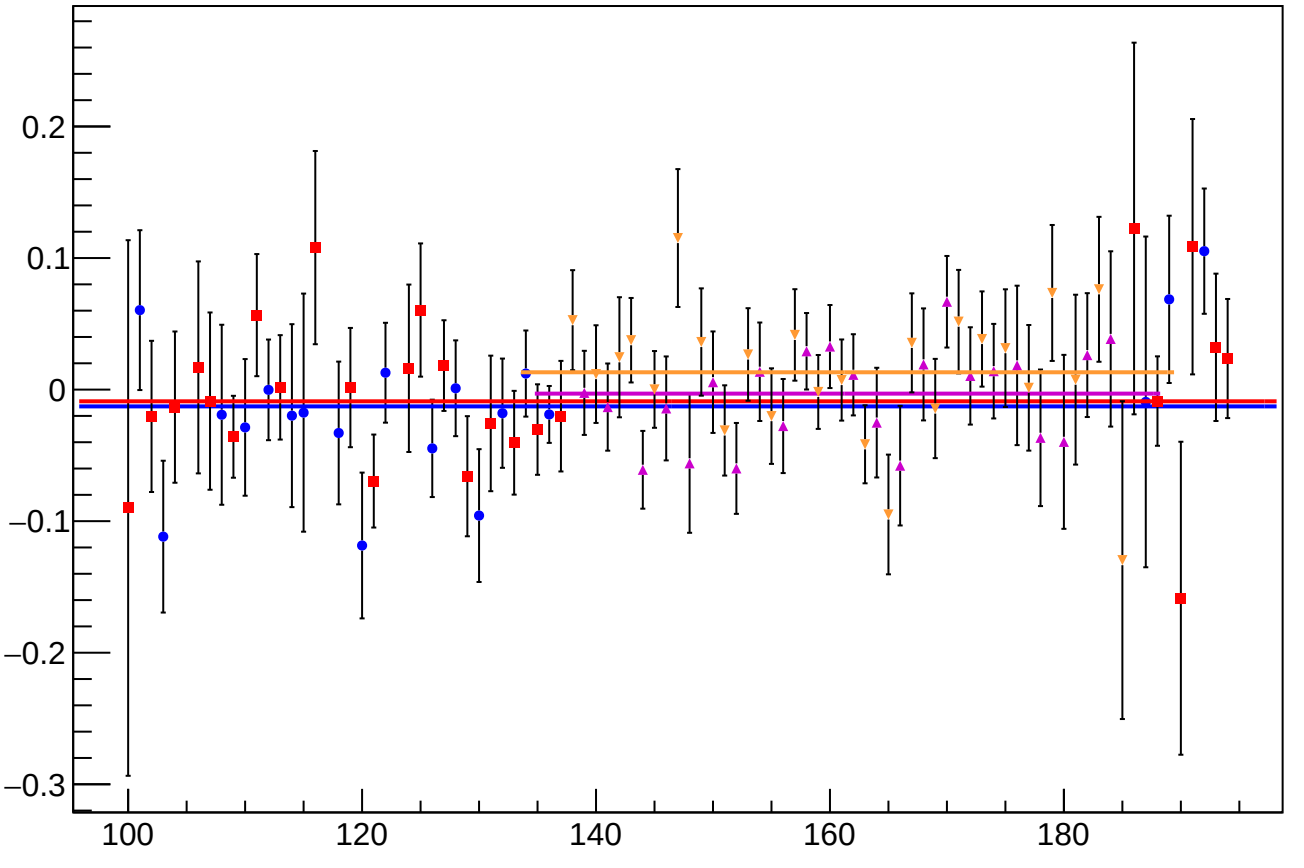
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 29.354+/-0.005 χ^2/NDF: 3504135.2/43

In: 31.370+/-0.004 χ^2/NDF:3174622.8/41

Out: 31.853+/-0.004 χ^2/NDF:3321984.5/49

All: 31.622+/-0.003 χ^2/NDF: 6502823.1/91



Right In: -0.013+/-0.010 χ^2/NDF: 20.9/18

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.009+/-0.010 χ^2/NDF: 19.0/24

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

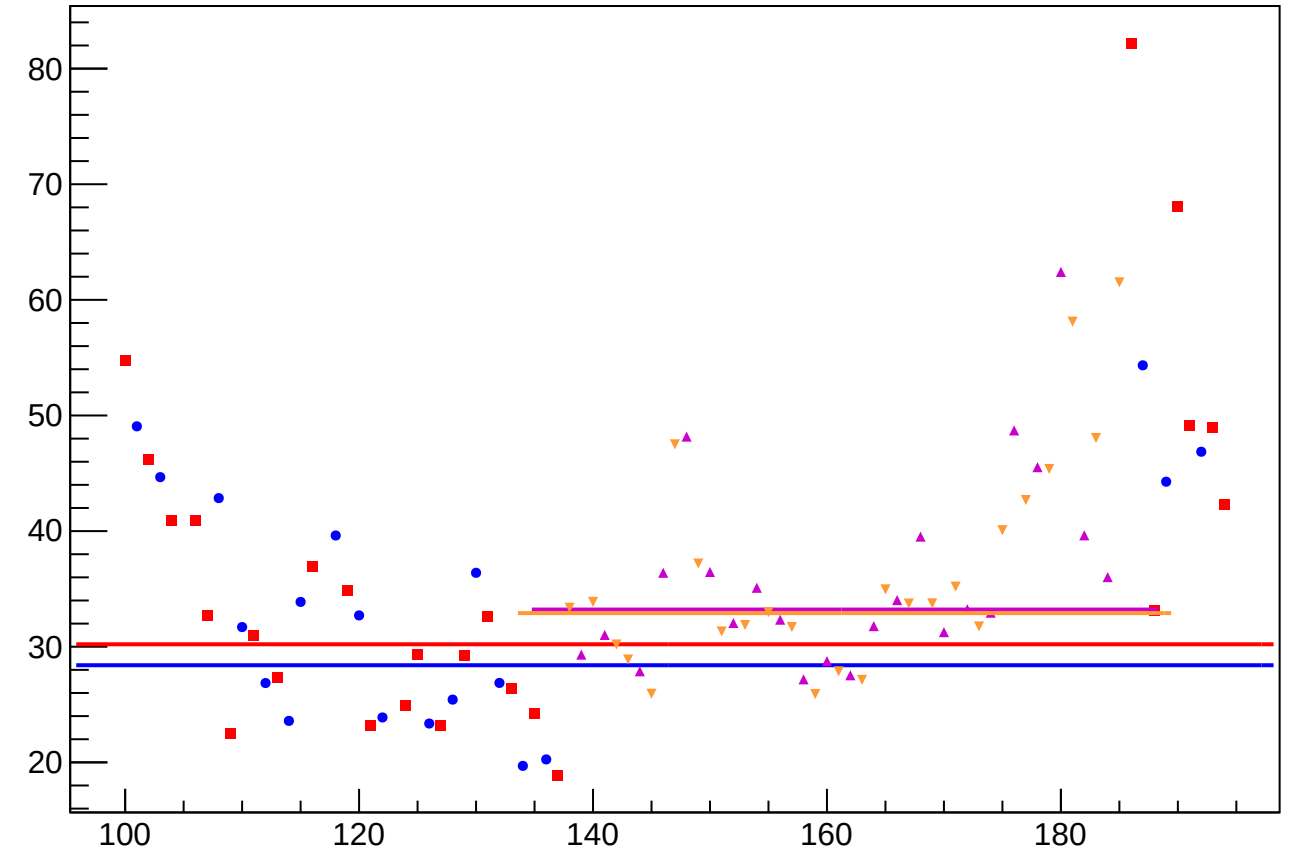
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.011+/-0.007 χ^2/NDF: 40.0/43

In: -0.007+/-0.006 χ^2/NDF:40.7/41

Out: 0.005+/-0.006 χ^2/NDF:47.6/49

All: -0.001+/-0.004 χ^2/NDF: 90.0/91



Right In: 28.400+/-0.007 χ^2/NDF: 1672643.8/18

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 30.211+/-0.007 χ^2/NDF: 1797633.9/24

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

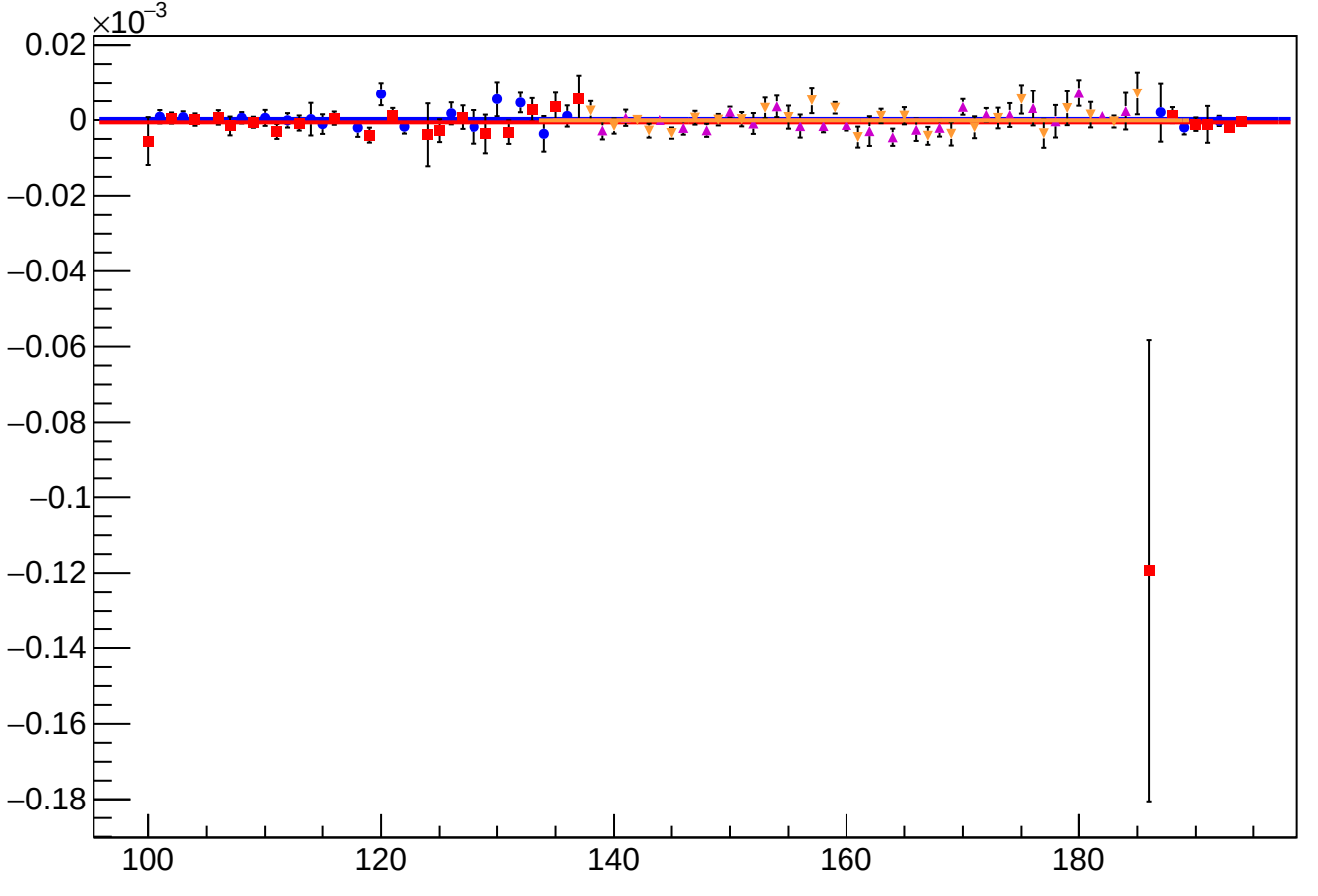
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 29.354+/-0.005 χ^2/NDF: 3504135.2/43

In: 31.370+/-0.004 χ^2/NDF:3174622.8/41

Out: 31.853+/-0.004 χ^2/NDF:3321984.5/49

All: 31.622+/-0.003 χ^2/NDF: 6502823.1/91



Right In: 0.000+/-0.000 χ^2/NDF: 14.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

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

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

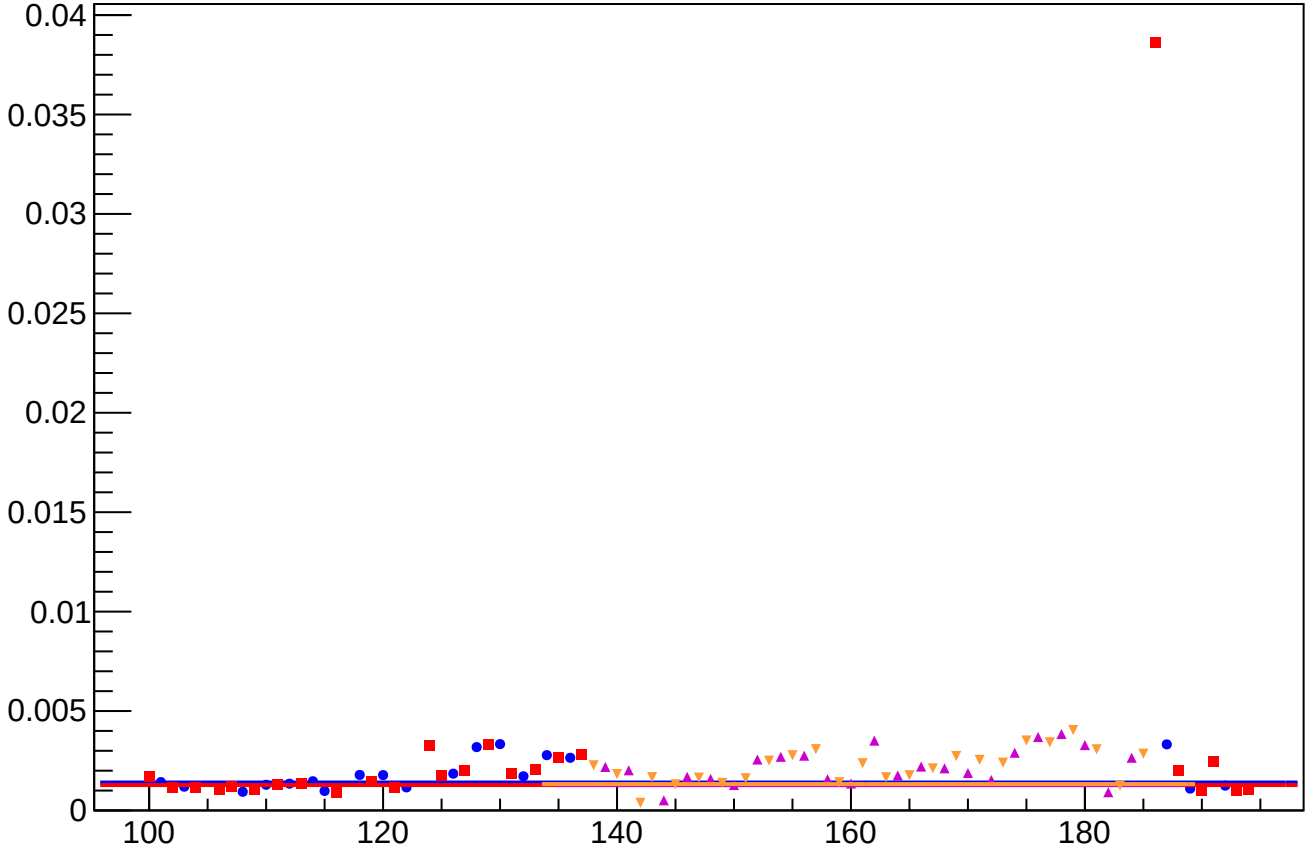
Right: -0.000+/-0.000 χ^2/NDF: 35.8/43

In: 0.000+/-0.000 χ^2/NDF:41.9/41

Out: -0.000+/-0.000 χ^2/NDF:51.2/49

All: -0.000+/-0.000 χ^2/NDF: 94.1/91

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 1927095.8/18

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 2753766.2/24

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

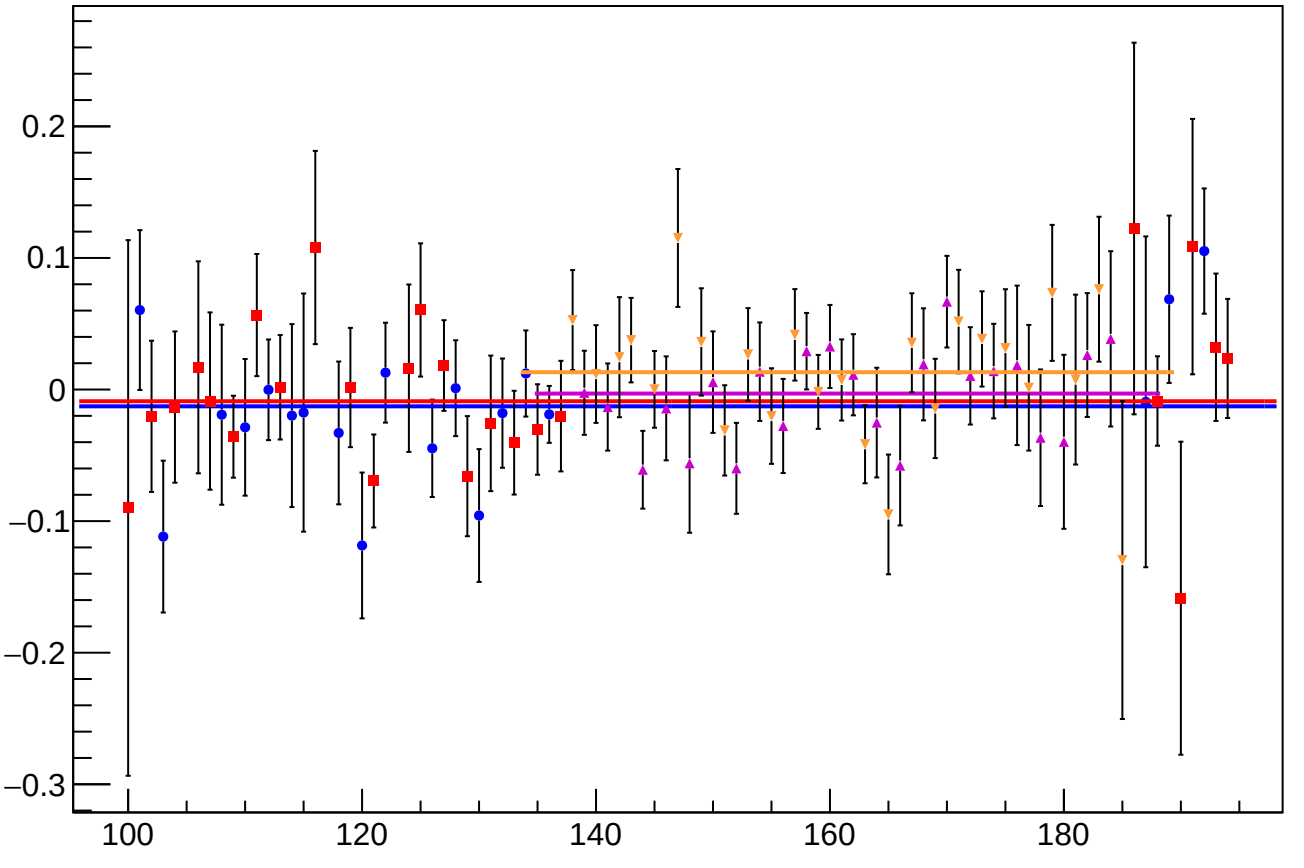
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 4755808.7/43

In: 0.001+/-0.000 χ^2/NDF:11894473.0/41

Out: 0.001+/-0.000 χ^2/NDF:13928790.0/49

All: 0.001+/-0.000 χ^2/NDF: 25824926.6/91



Right In: -0.013+/-0.010 χ^2/NDF: 20.9/18

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.009+/-0.010 χ^2/NDF: 19.0/24

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

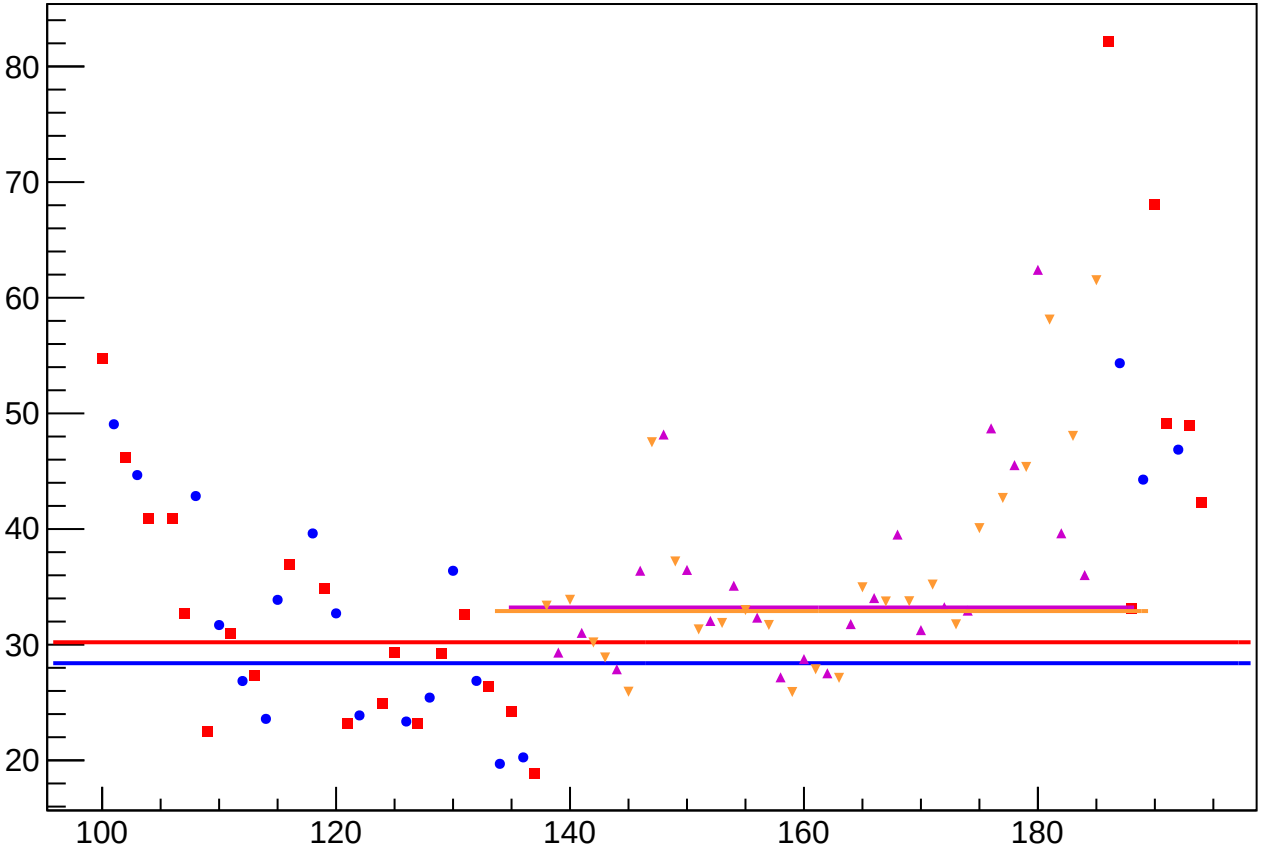
Right: -0.011+/-0.007 χ^2/NDF: 40.0/43

In: -0.007+/-0.006 χ^2/NDF:40.7/41

Out: 0.005+/-0.006 χ^2/NDF:47.6/49

All: -0.001+/-0.004 χ^2/NDF: 90.0/91

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.400+/-0.007 χ^2/NDF: 1672746.5/18

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 30.210+/-0.007 χ^2/NDF: 1797824.1/24

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

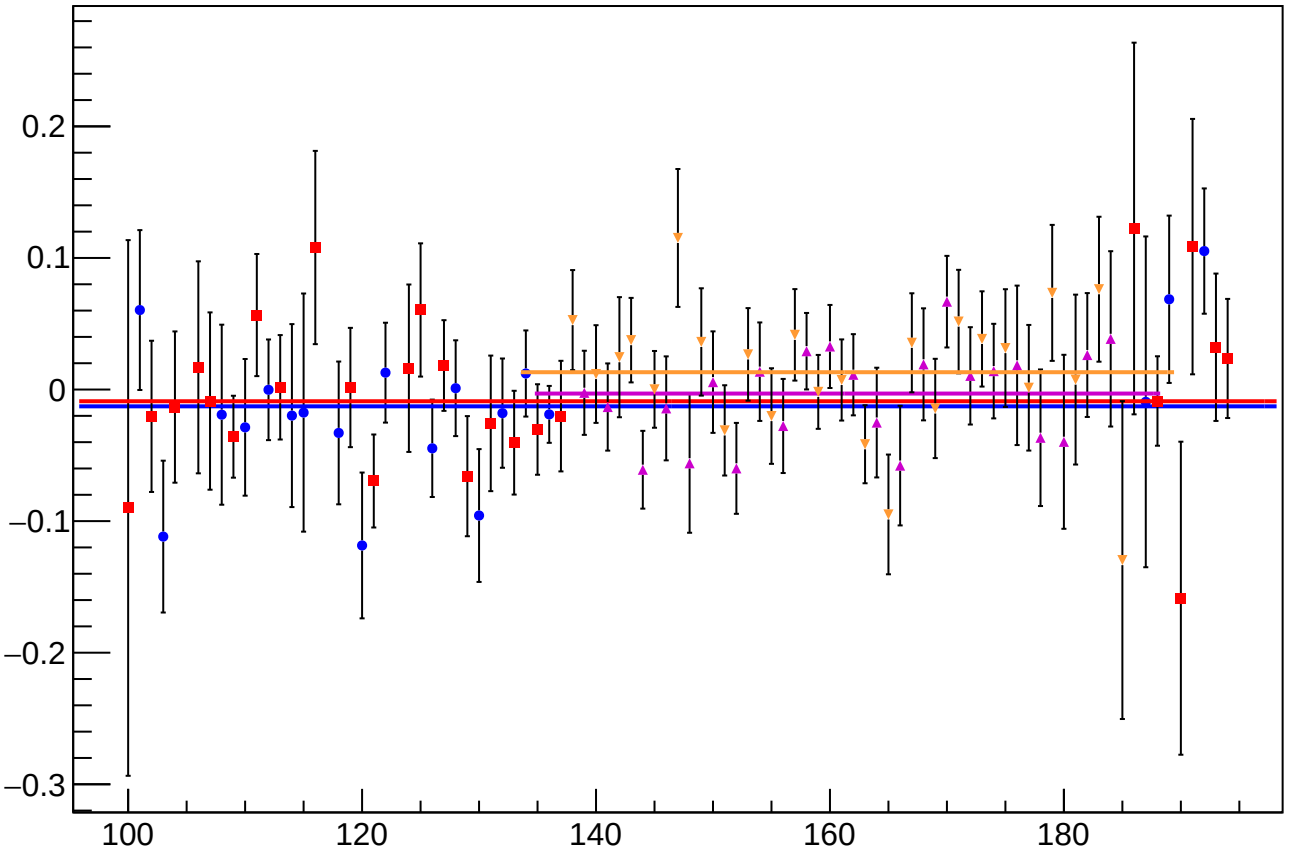
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 29.353+/-0.005 χ^2/NDF: 3504417.6/43

In: 31.370+/-0.004 χ^2/NDF:3174908.4/41

Out: 31.852+/-0.004 χ^2/NDF:3322329.5/49

All: 31.621+/-0.003 χ^2/NDF: 6503449.3/91



Right In: -0.013+/-0.010 χ^2/NDF: 20.9/18

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.009+/-0.010 χ^2/NDF: 19.0/24

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

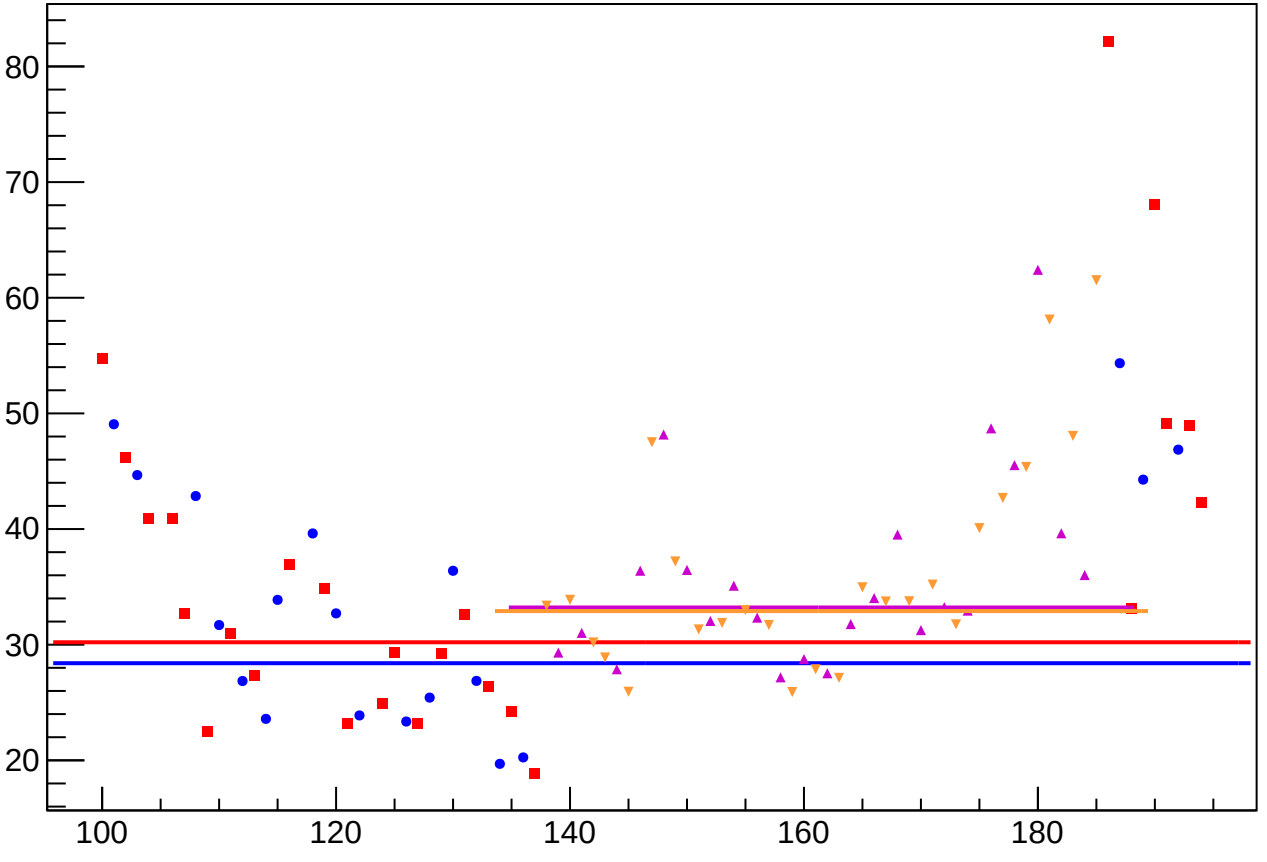
Right: -0.011+/-0.007 χ^2/NDF: 40.0/43

In: -0.007+/-0.006 χ^2/NDF:40.7/41

Out: 0.005+/-0.006 χ^2/NDF:47.6/49

All: -0.001+/-0.004 χ^2/NDF: 90.0/91

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.400+/-0.007 χ^2/NDF: 1672746.5/18

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 30.210+/-0.007 χ^2/NDF: 1797824.1/24

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

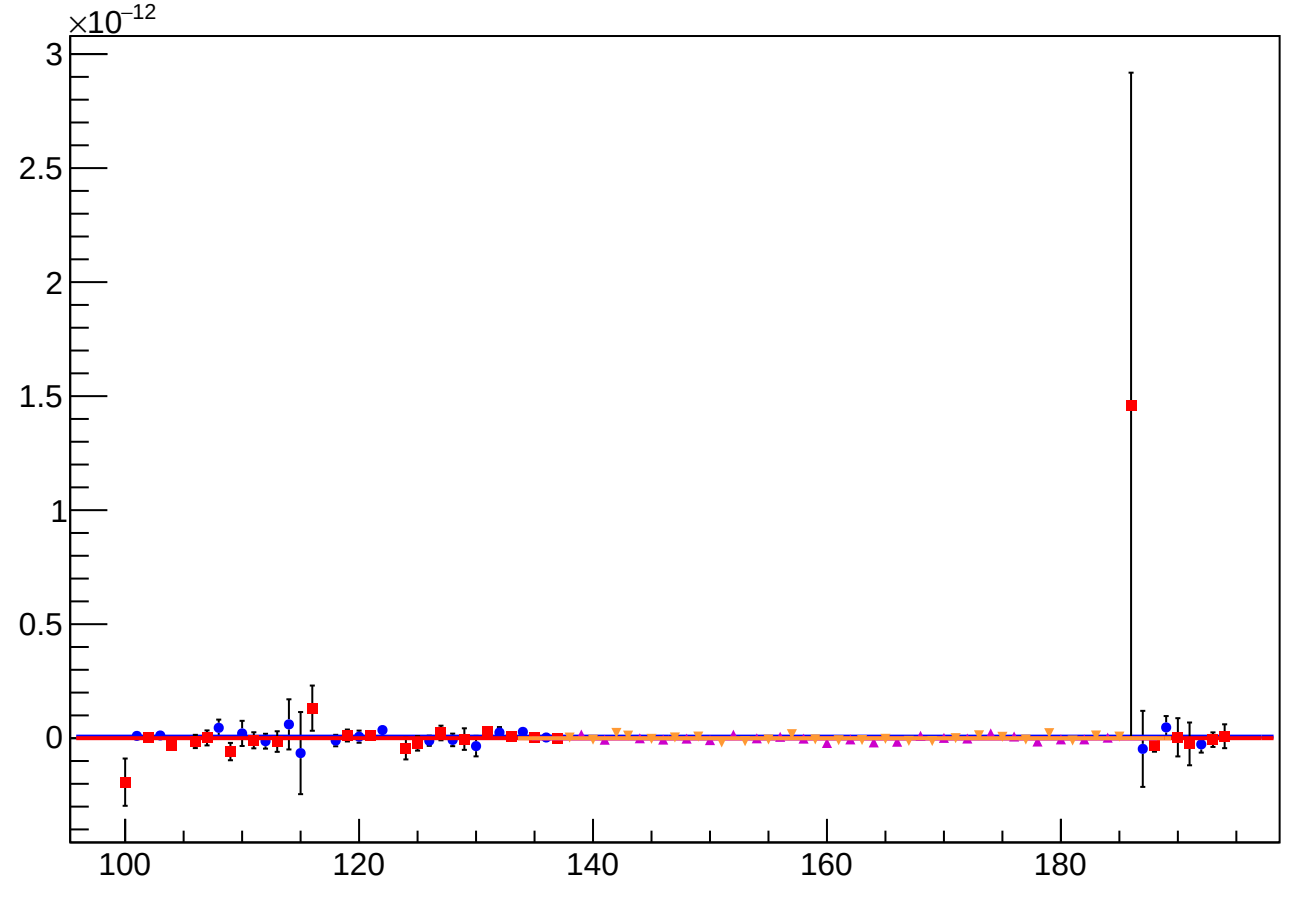
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 29.353+/-0.005 χ^2/NDF: 3504417.6/43

In: 31.370+/-0.004 χ^2/NDF:3174908.4/41

Out: 31.852+/-0.004 χ^2/NDF:3322329.5/49

All: 31.621+/-0.003 χ^2/NDF: 6503449.3/91



Right In: 0.000+/-0.000 χ^2/NDF: 9.9/18

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/24

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

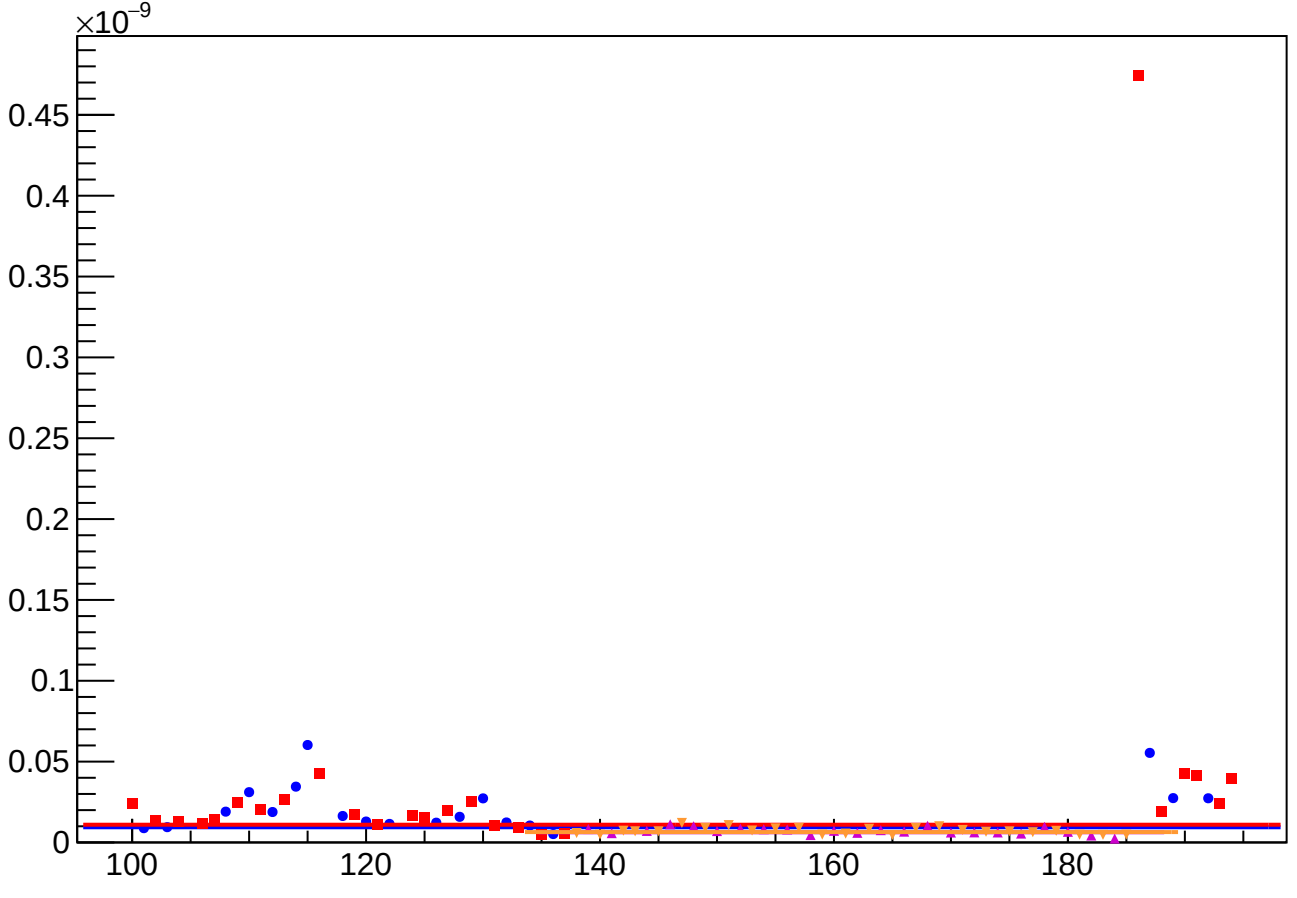
Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 29.0/43

In: -0.000+/-0.000 χ^2/NDF:38.0/41

Out: -0.000+/-0.000 χ^2/NDF:49.1/49

All: -0.000+/-0.000 χ^2/NDF: 87.1/91



Right In: 0.000+/-0.000 χ^2/NDF: 3327563.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4579621.0/24

Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

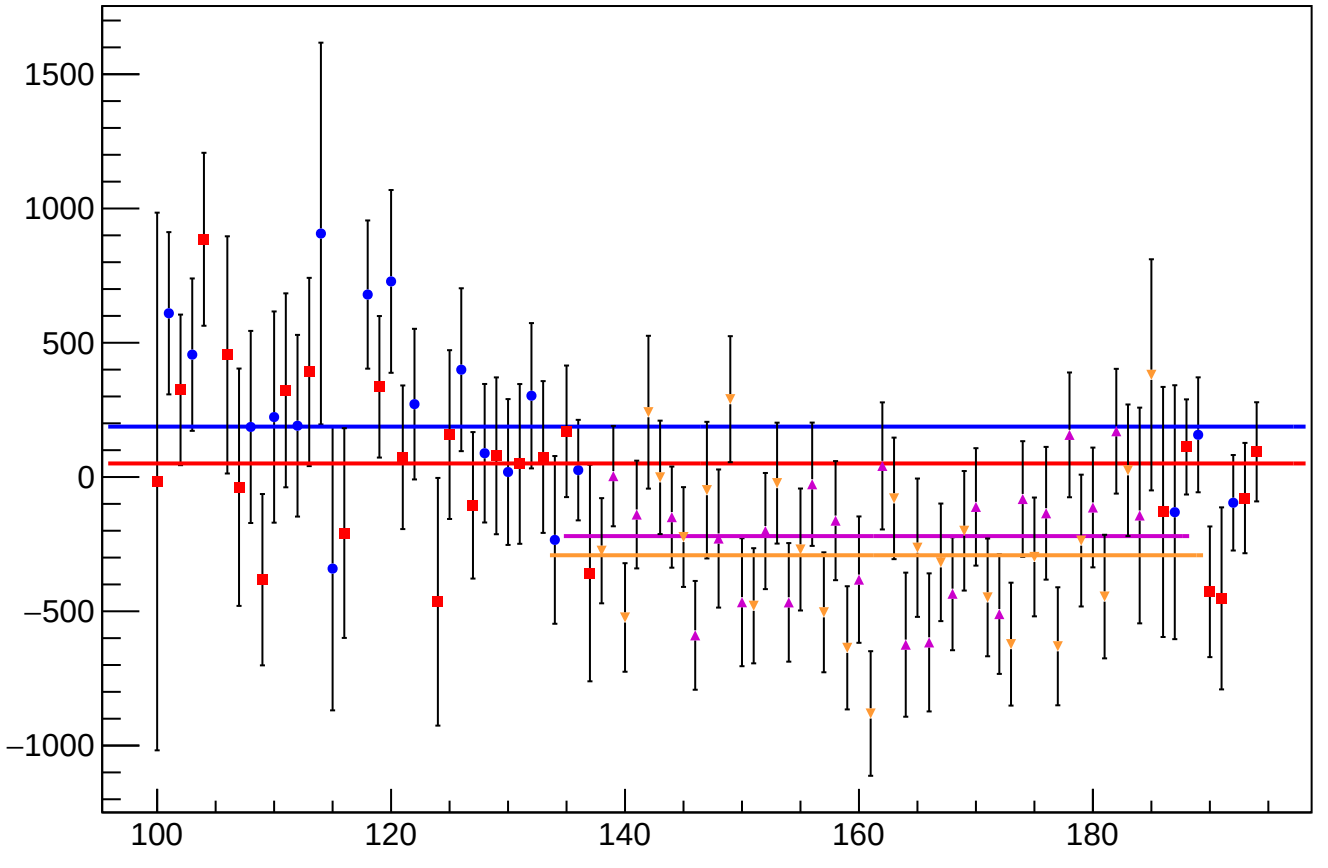
Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

Right: 0.000+/-0.000 χ^2/NDF: 8022463.0/43

In: 0.000+/-0.000 χ^2/NDF:6251453.0/41

Out: 0.000+/-0.000 χ^2/NDF:8051470.4/49

All: 0.000+/-0.000 χ^2/NDF: 14320912.1/91



Right In: 187.743+/-65.054 χ^2/NDF: 17.5/18

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: 50.525+/-58.133 χ^2/NDF: 23.3/24

Left In: -219.974+/-47.146 χ^2/NDF:23.7/22

Left: -256.821+/-32.782 χ^2/NDF: 61.3/47

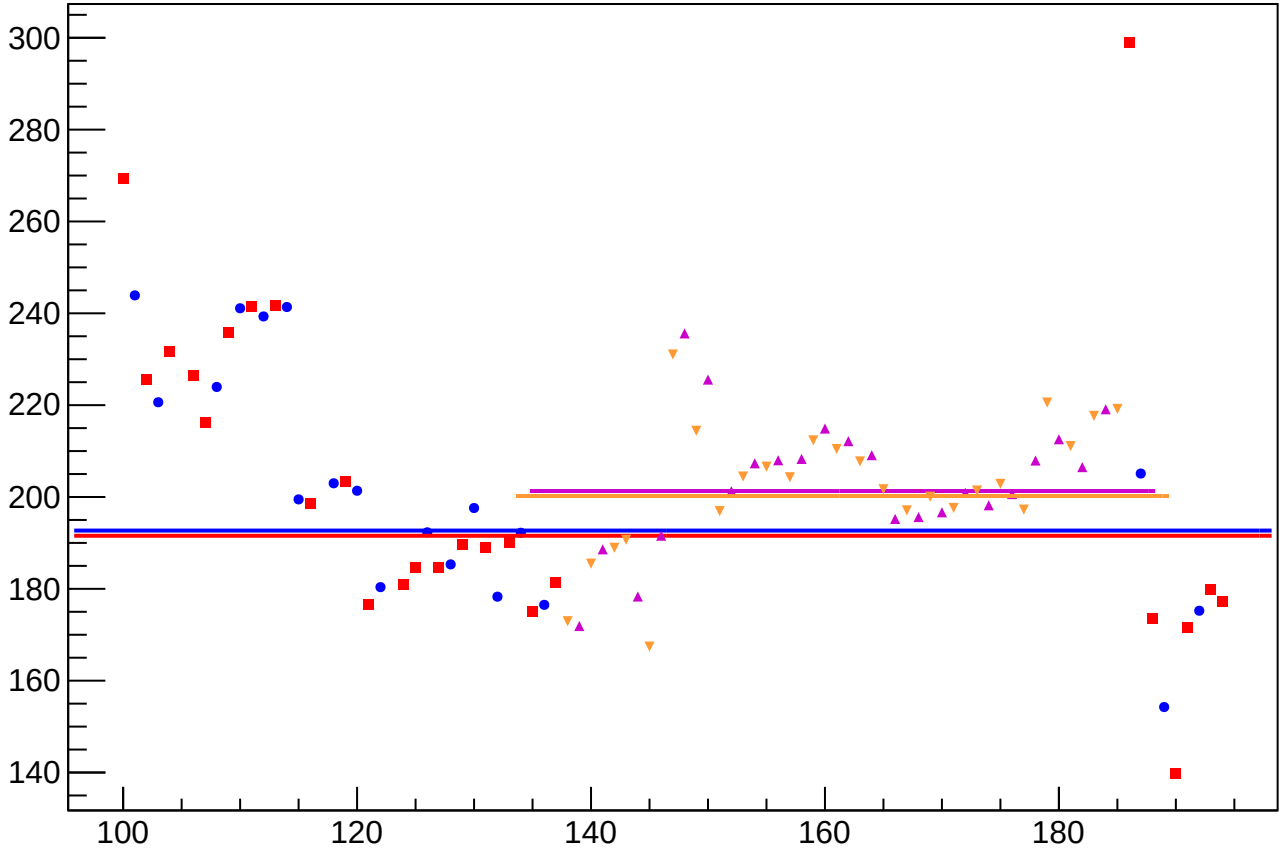
Right: 111.449+/-43.347 χ^2/NDF: 43.2/43

In: -79.575+/-38.175 χ^2/NDF:67.0/41

Out: -161.051+/-35.886 χ^2/NDF:81.0/49

All: -122.829+/-26.147 χ^2/NDF: 150.4/91

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 192.689+/-0.046 χ^2/NDF: 286148.2/18

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 191.559+/-0.041 χ^2/NDF: 476657.3/24

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

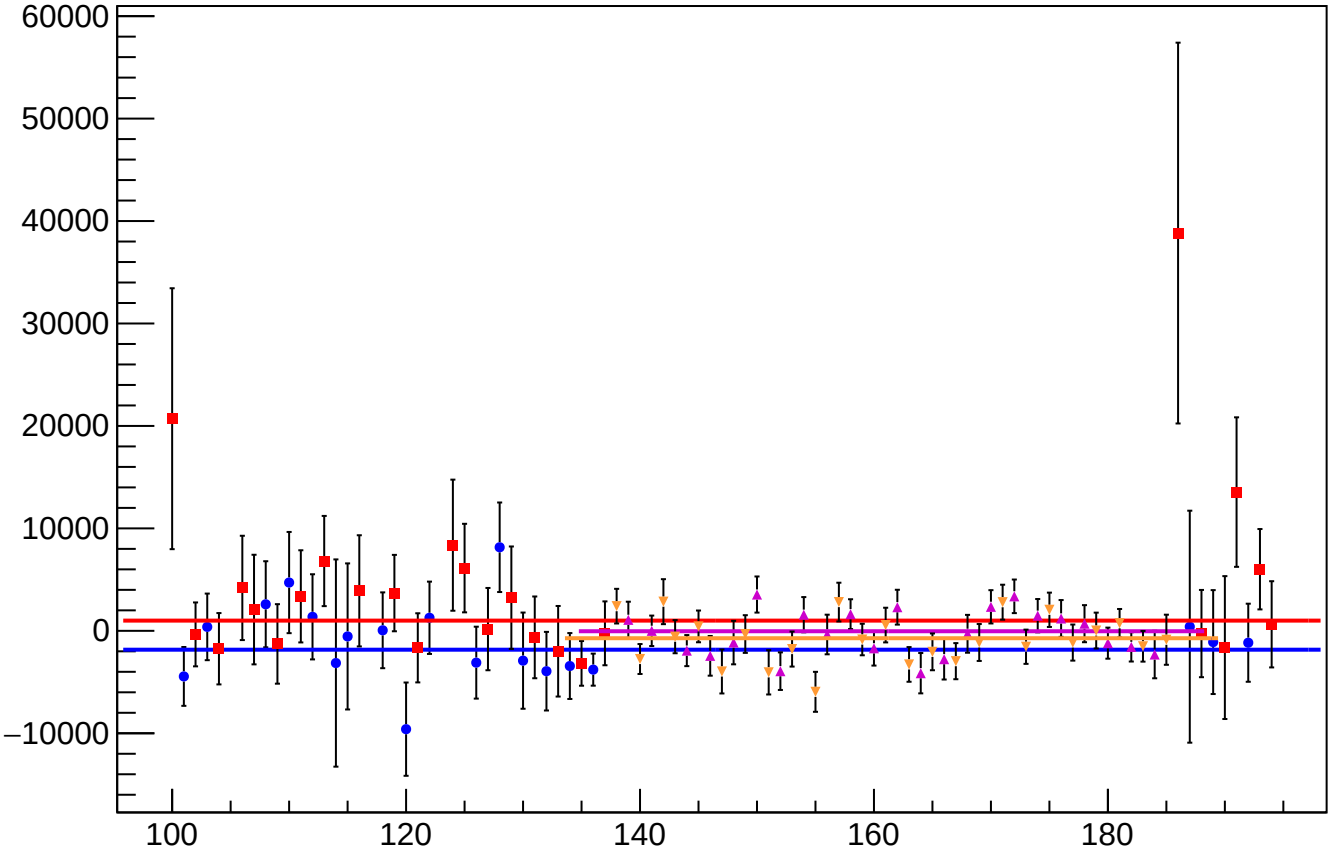
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 192.061+/-0.031 χ^2/NDF: 763140.7/43

In: 198.333+/-0.027 χ^2/NDF:490757.6/41

Out: 196.913+/-0.025 χ^2/NDF:708461.9/49

All: 197.579+/-0.018 χ^2/NDF: 1200687.6/91



Right In: -1841.499+/-824.642 χ^2/NDF: 16.4/18

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: 998.050+/-829.829 χ^2/NDF: 23.8/24

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

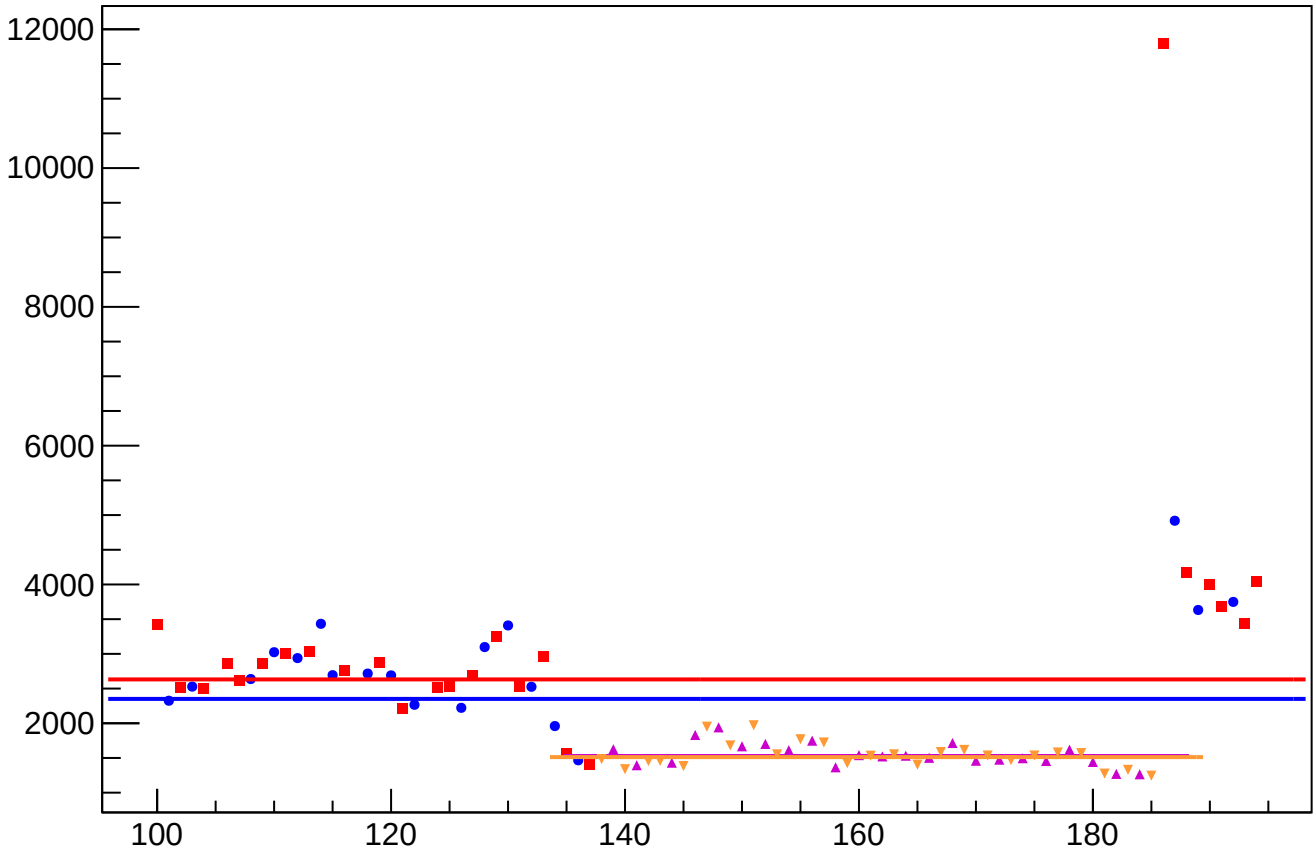
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -430.626+/-584.935 χ^2/NDF: 46.1/43

In: -326.773+/-329.365 χ^2/NDF:54.8/41

Out: -465.678+/-319.648 χ^2/NDF:65.8/49

All: -398.305+/-229.384 χ^2/NDF: 120.6/91



Right In: 2351.032+/-0.583 χ^2/NDF: 1488025.0/18

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2631.847+/-0.587 χ^2/NDF: 2109161.8/24

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

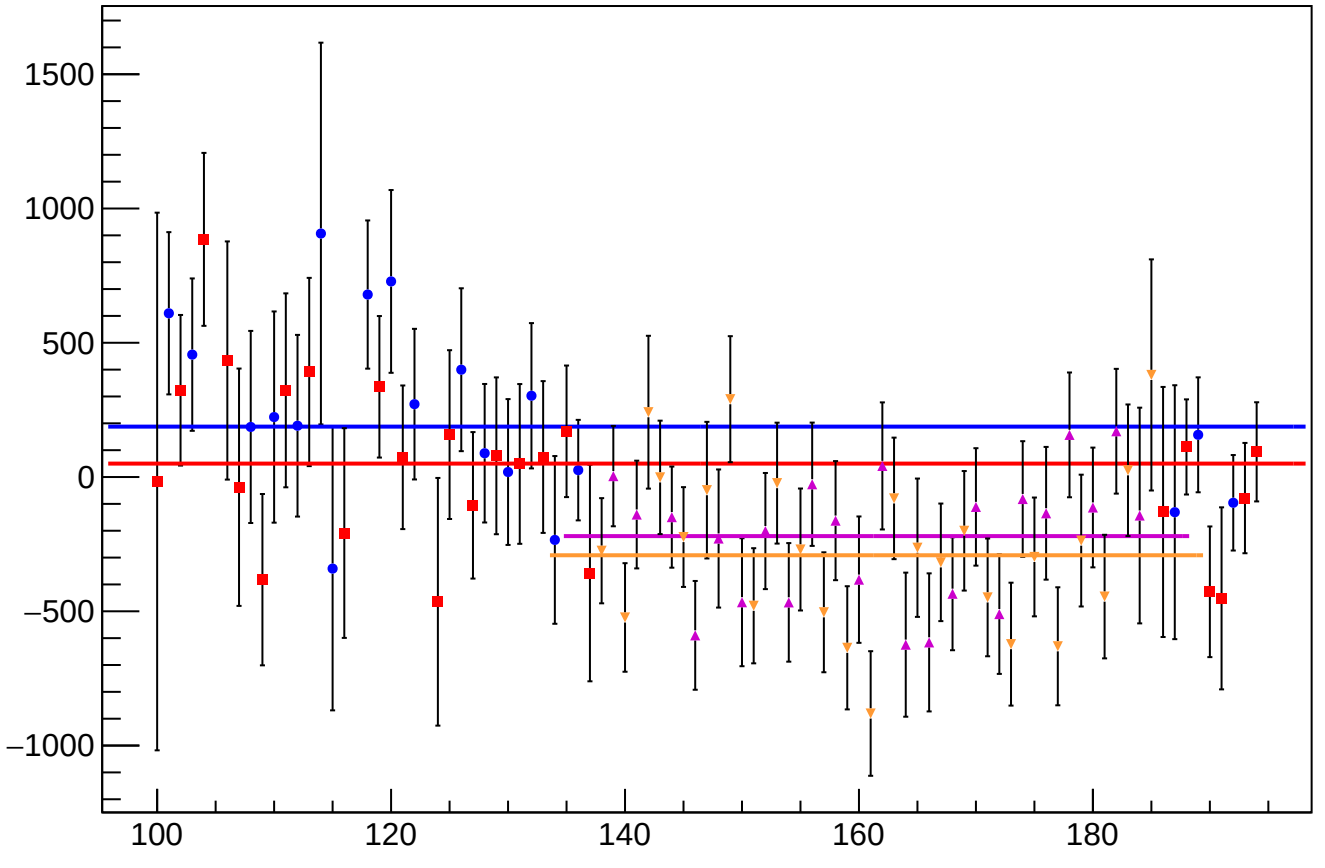
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2490.559+/-0.414 χ^2/NDF: 3712419.8/43

In: 1659.263+/-0.233 χ^2/NDF:3536411.8/41

Out: 1678.470+/-0.226 χ^2/NDF:5651531.2/49

All: 1669.154+/-0.162 χ^2/NDF: 9191445.5/91



Right In: 187.741+/-65.054 χ^2/NDF: 17.5/18

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 50.031+/-58.138 χ^2/NDF: 23.2/24

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

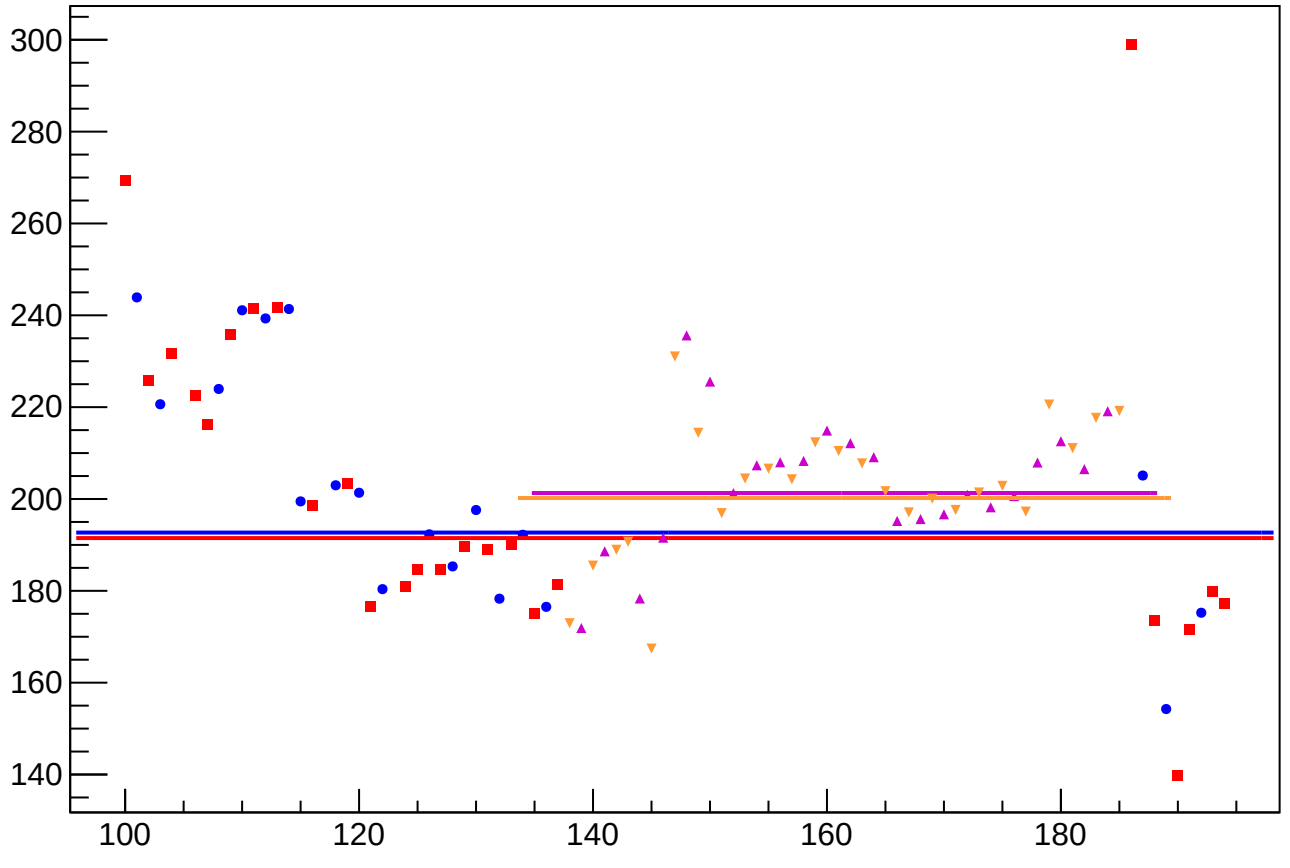
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 111.179+/-43.349 χ^2/NDF: 43.1/43

In: -79.581+/-38.175 χ^2/NDF:67.0/41

Out: -161.255+/-35.887 χ^2/NDF:80.9/49

All: -122.939+/-26.147 χ^2/NDF: 150.3/91



Right In: 192.689+/-0.046 χ^2/NDF: 286148.6/18

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 191.489+/-0.041 χ^2/NDF: 474013.4/24

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

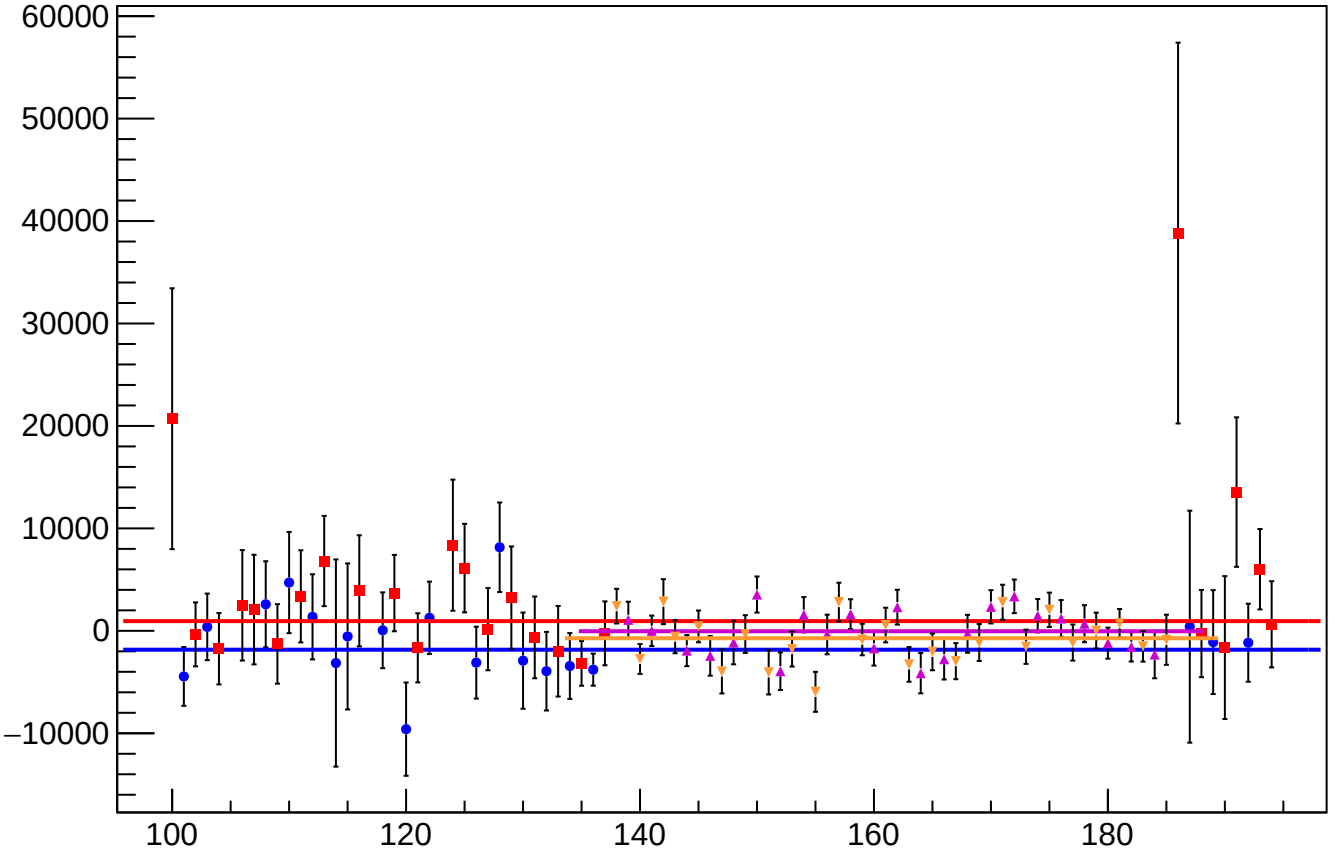
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 192.022+/-0.031 χ^2/NDF: 760540.4/43

In: 198.333+/-0.027 χ^2/NDF:490758.0/41

Out: 196.887+/-0.025 χ^2/NDF:706264.4/49

All: 197.565+/-0.018 χ^2/NDF: 1198545.8/91



Right In: -1841.464+/-824.644 χ^2/NDF: 16.4/18

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 948.663+/-831.051 χ^2/NDF: 23.5/24

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

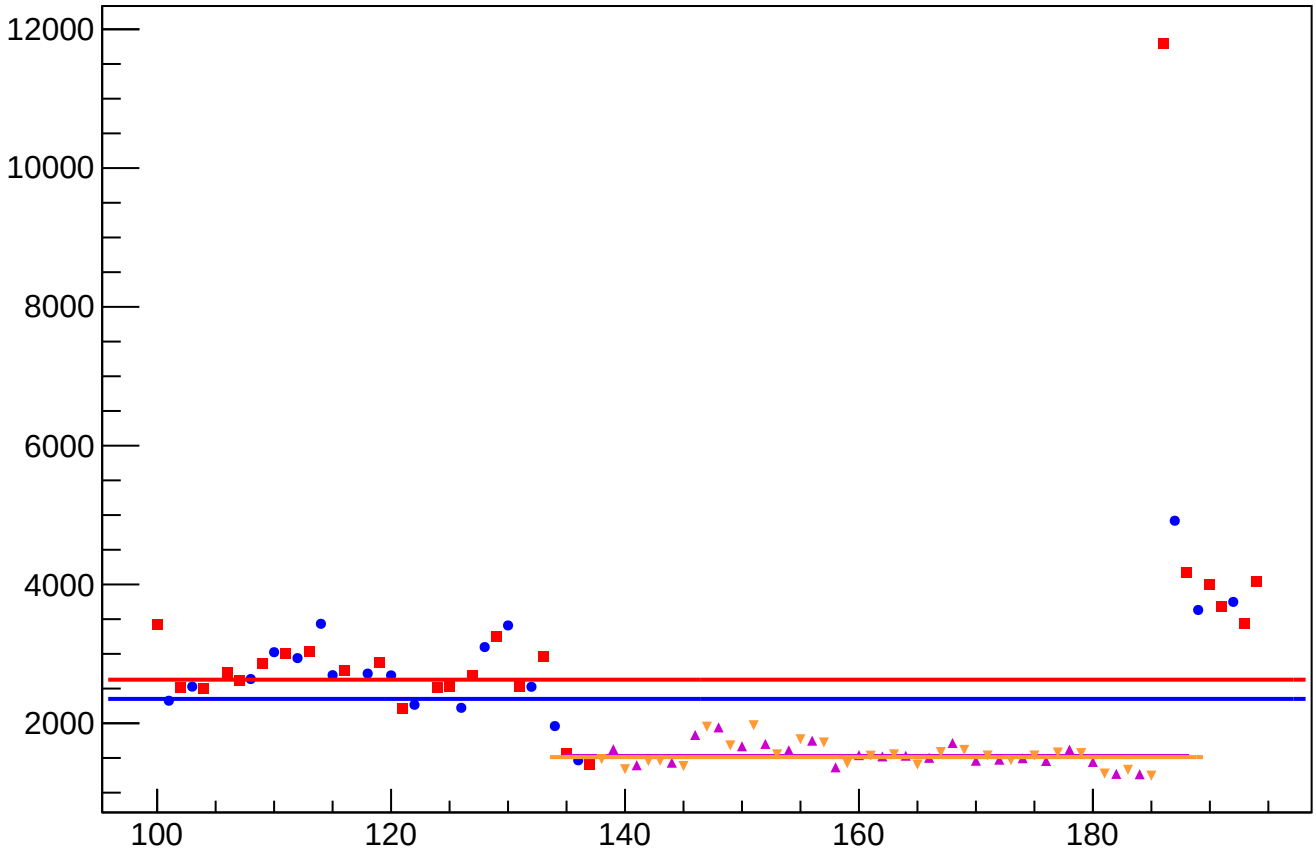
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -457.198+/-585.363 χ^2/NDF: 45.5/43

In: -326.765+/-329.365 χ^2/NDF:54.8/41

Out: -473.630+/-319.717 χ^2/NDF:65.2/49

All: -402.380+/-229.409 χ^2/NDF: 120.1/91



Right In: 2351.036+/-0.583 χ^2/NDF: 1488026.8/18

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2628.002+/-0.588 χ^2/NDF: 2105477.1/24

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

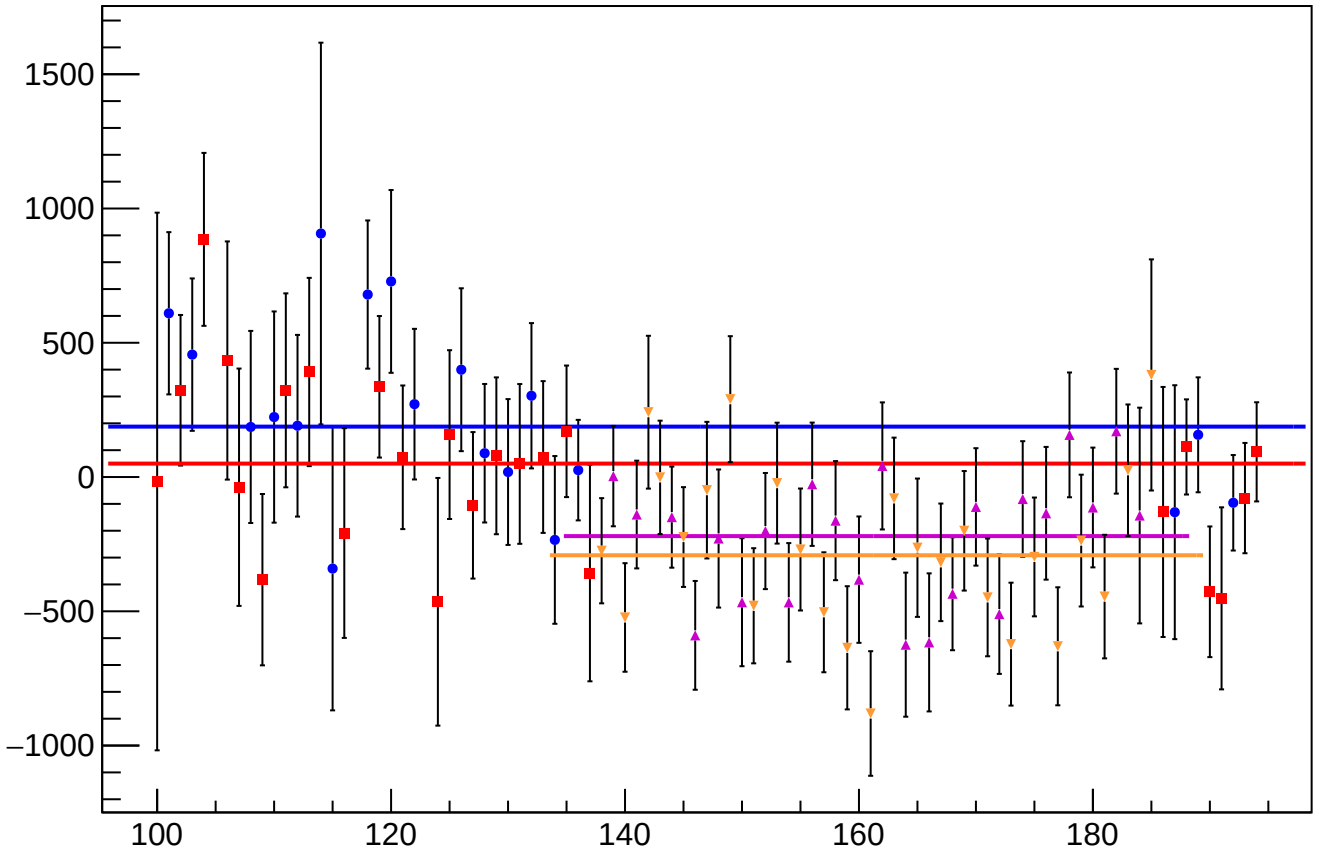
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2488.447+/-0.414 χ^2/NDF: 3705433.3/43

In: 1659.263+/-0.233 χ^2/NDF:3536424.2/41

Out: 1677.485+/-0.226 χ^2/NDF:5618877.4/49

All: 1668.645+/-0.162 χ^2/NDF: 9158453.2/91



Right In: 187.741+/-65.054 χ^2/NDF: 17.5/18

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 50.031+/-58.138 χ^2/NDF: 23.2/24

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

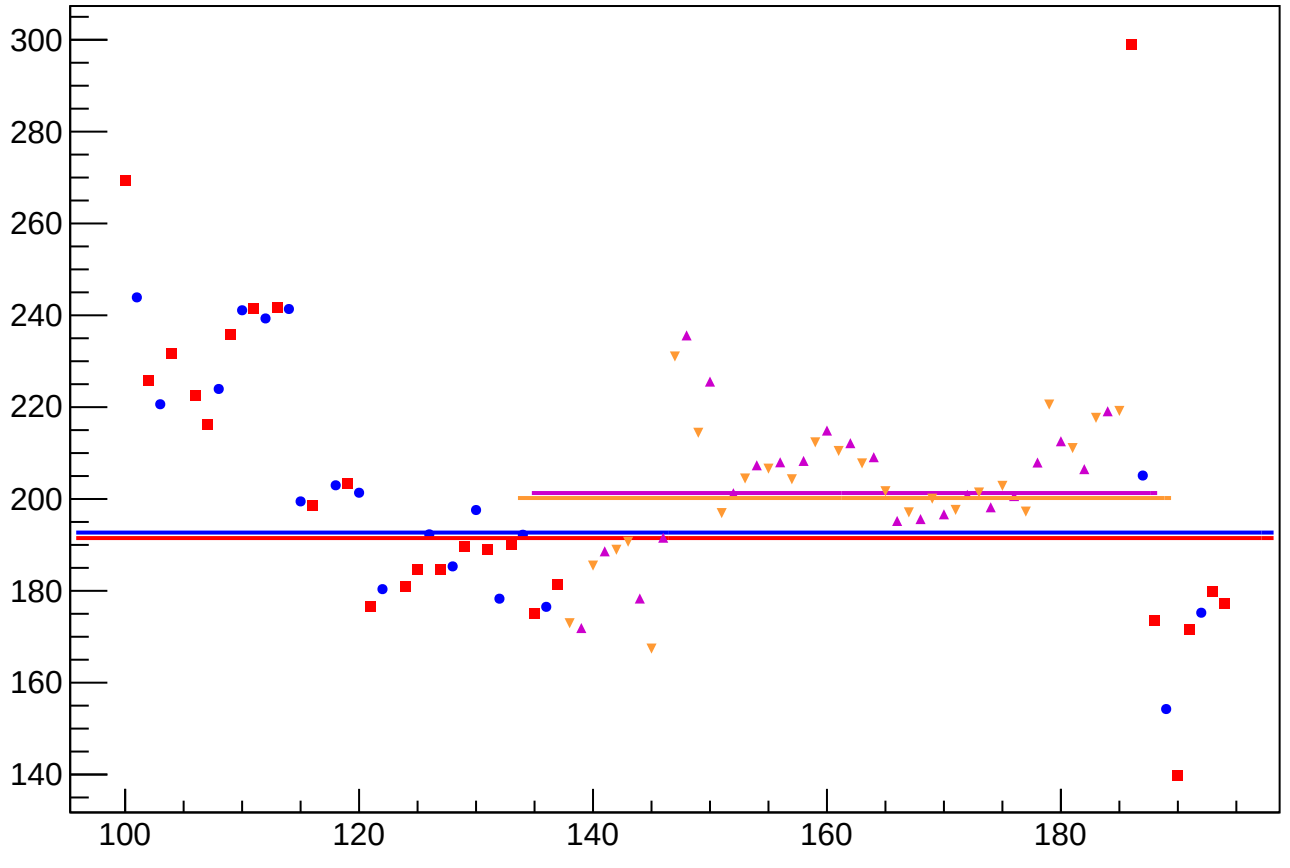
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 111.179+/-43.349 χ^2/NDF: 43.1/43

In: -79.581+/-38.175 χ^2/NDF:67.0/41

Out: -161.255+/-35.887 χ^2/NDF:80.9/49

All: -122.939+/-26.147 χ^2/NDF: 150.3/91



Right In: 192.689+/-0.046 χ^2/NDF: 286148.6/18

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 191.489+/-0.041 χ^2/NDF: 474013.4/24

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

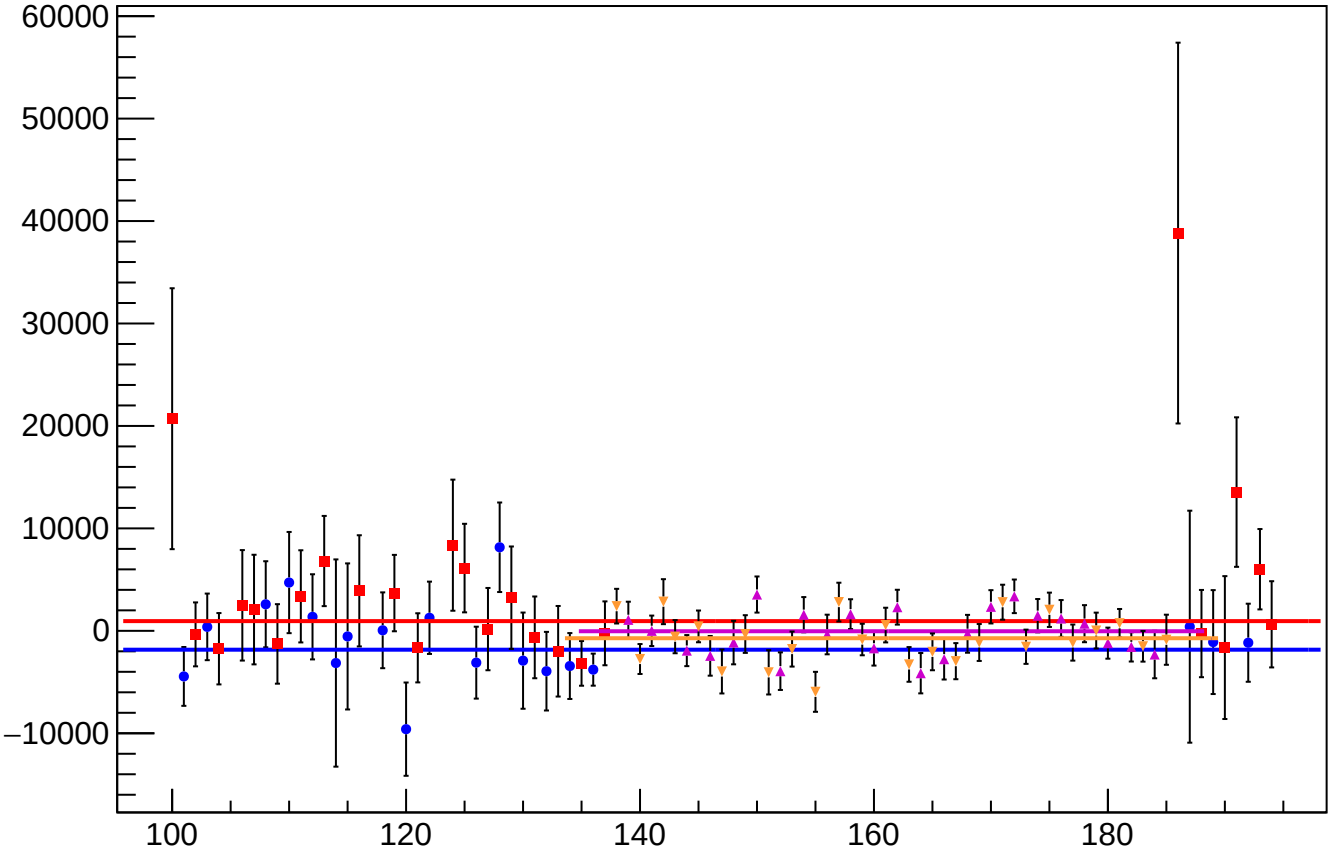
Right: 192.022+/-0.031 χ^2/NDF: 760540.4/43

In: 198.333+/-0.027 χ^2/NDF:490758.0/41

Out: 196.887+/-0.025 χ^2/NDF:706264.4/49

All: 197.565+/-0.018 χ^2/NDF: 1198545.8/91

asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1841.464+/-824.644 χ^2/NDF: 16.4/18

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 948.663+/-831.051 χ^2/NDF: 23.5/24

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

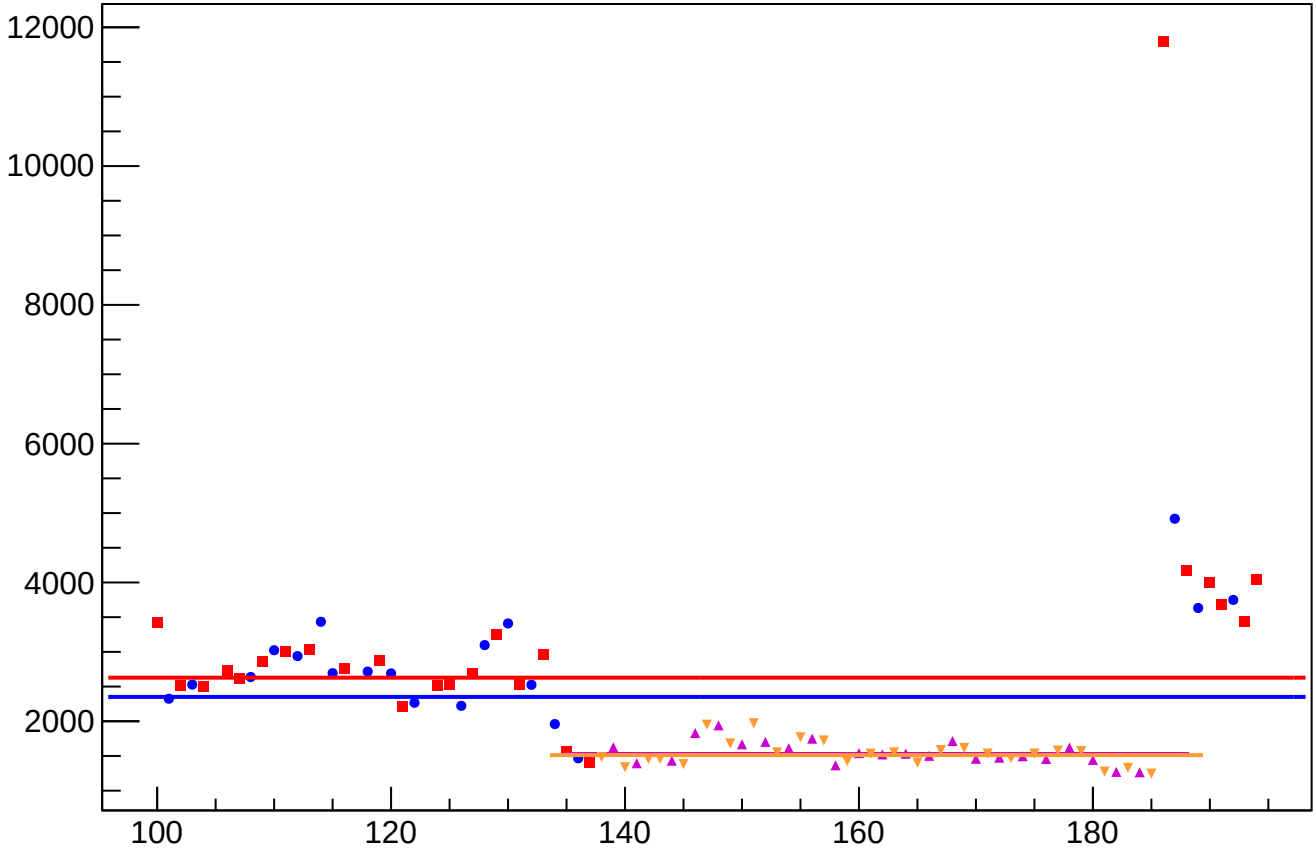
Right: -457.198+/-585.363 χ^2/NDF: 45.5/43

In: -326.765+/-329.365 χ^2/NDF:54.8/41

Out: -473.630+/-319.717 χ^2/NDF:65.2/49

All: -402.380+/-229.409 χ^2/NDF: 120.1/91

asym_sam_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2351.036+/-0.583 χ^2/NDF: 1488026.8/18

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2628.002+/-0.588 χ^2/NDF: 2105477.1/24

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

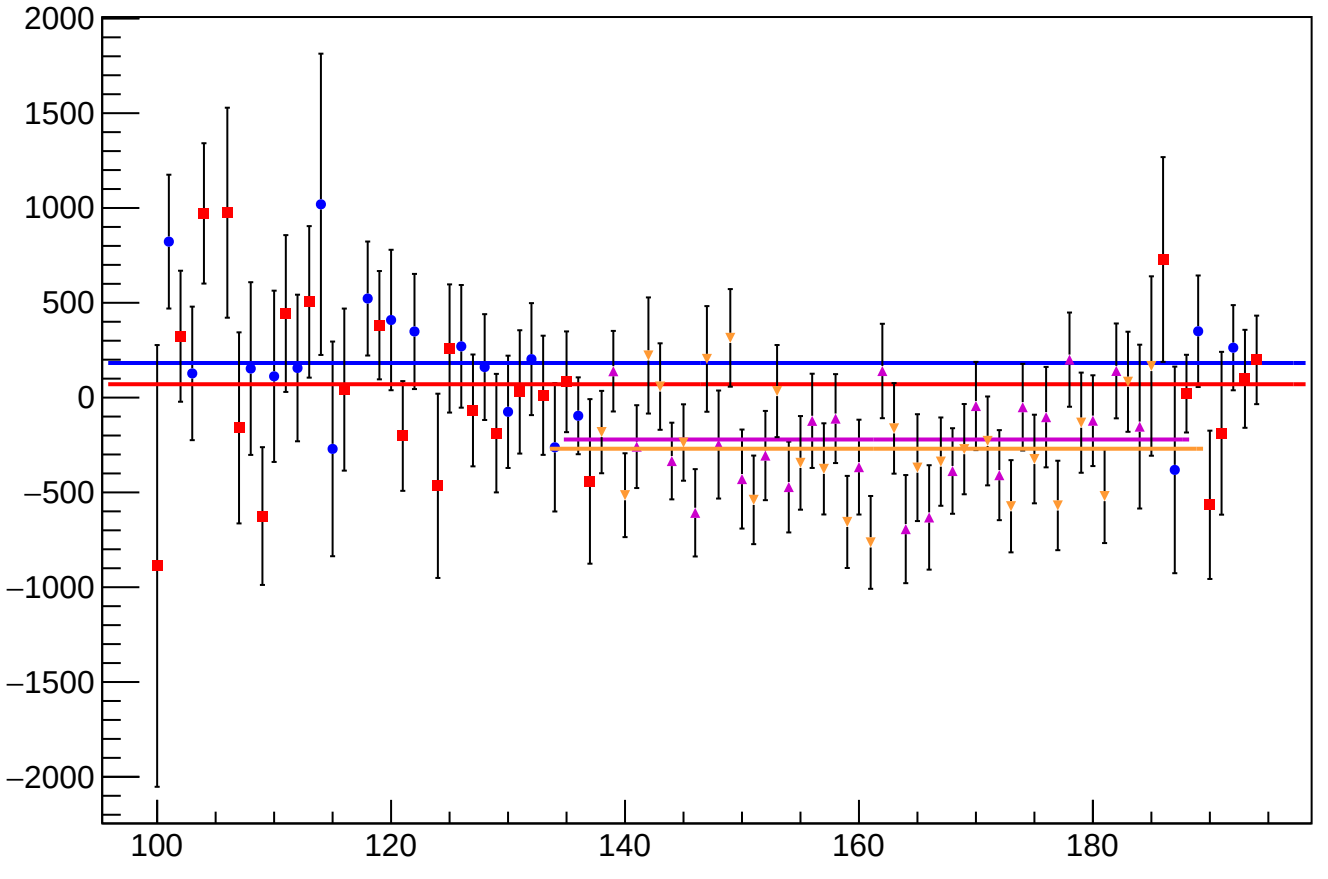
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2488.447+/-0.414 χ^2/NDF: 3705433.3/43

In: 1659.263+/-0.233 χ^2/NDF:3536424.2/41

Out: 1677.485+/-0.226 χ^2/NDF:5618877.4/49

All: 1668.645+/-0.162 χ^2/NDF: 9158453.2/91



Right In: 182.540+/-74.638 χ^2/NDF: 13.0/18

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: 70.534+/-67.527 χ^2/NDF: 26.5/24

Left In: -220.926+/-50.956 χ^2/NDF:23.4/22

Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

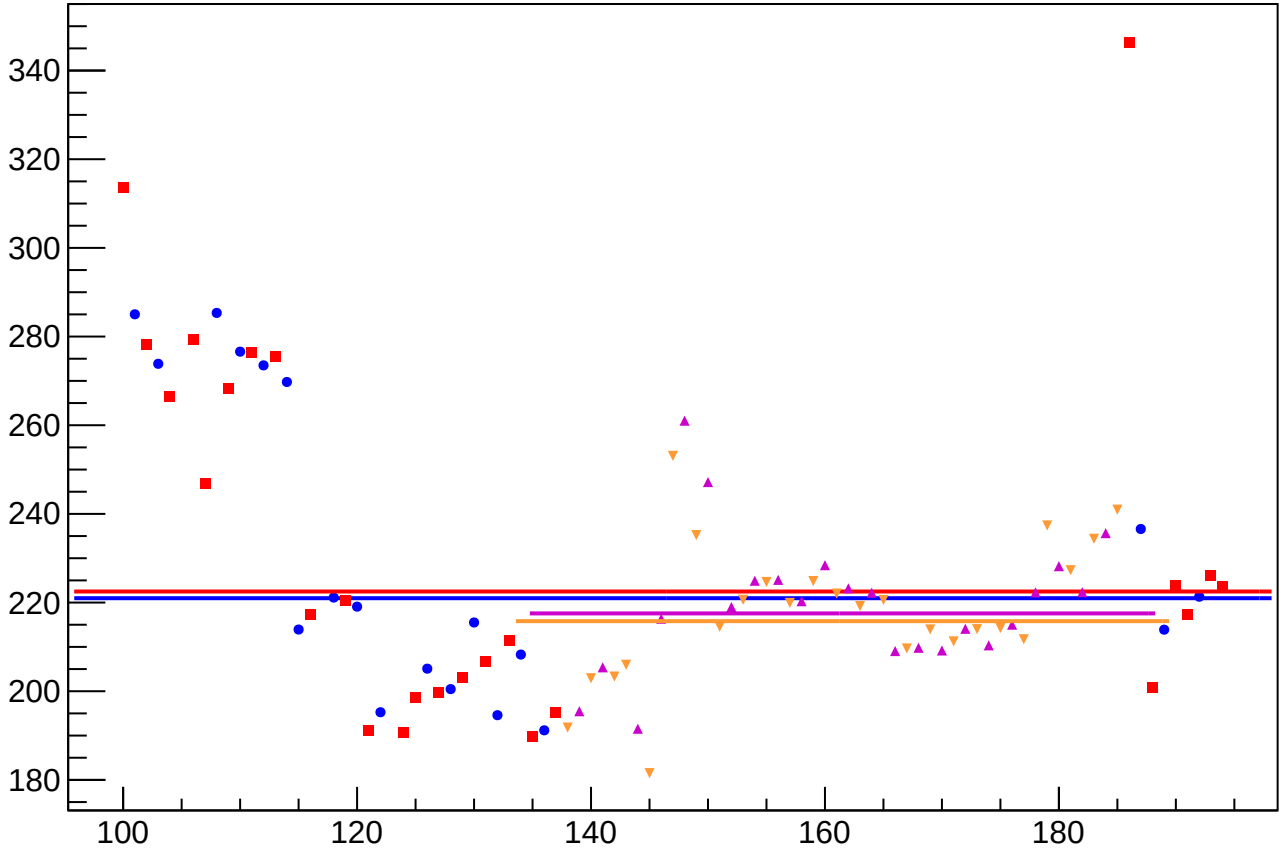
Right: 120.948+/-50.075 χ^2/NDF: 40.8/43

In: -92.661+/-42.084 χ^2/NDF:56.3/41

Out: -151.835+/-39.742 χ^2/NDF:74.6/49

All: -123.940+/-28.894 χ^2/NDF: 131.9/91

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 220.982+/-0.053 χ^2/NDF: 321520.3/18

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 222.493+/-0.048 χ^2/NDF: 455257.9/24

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

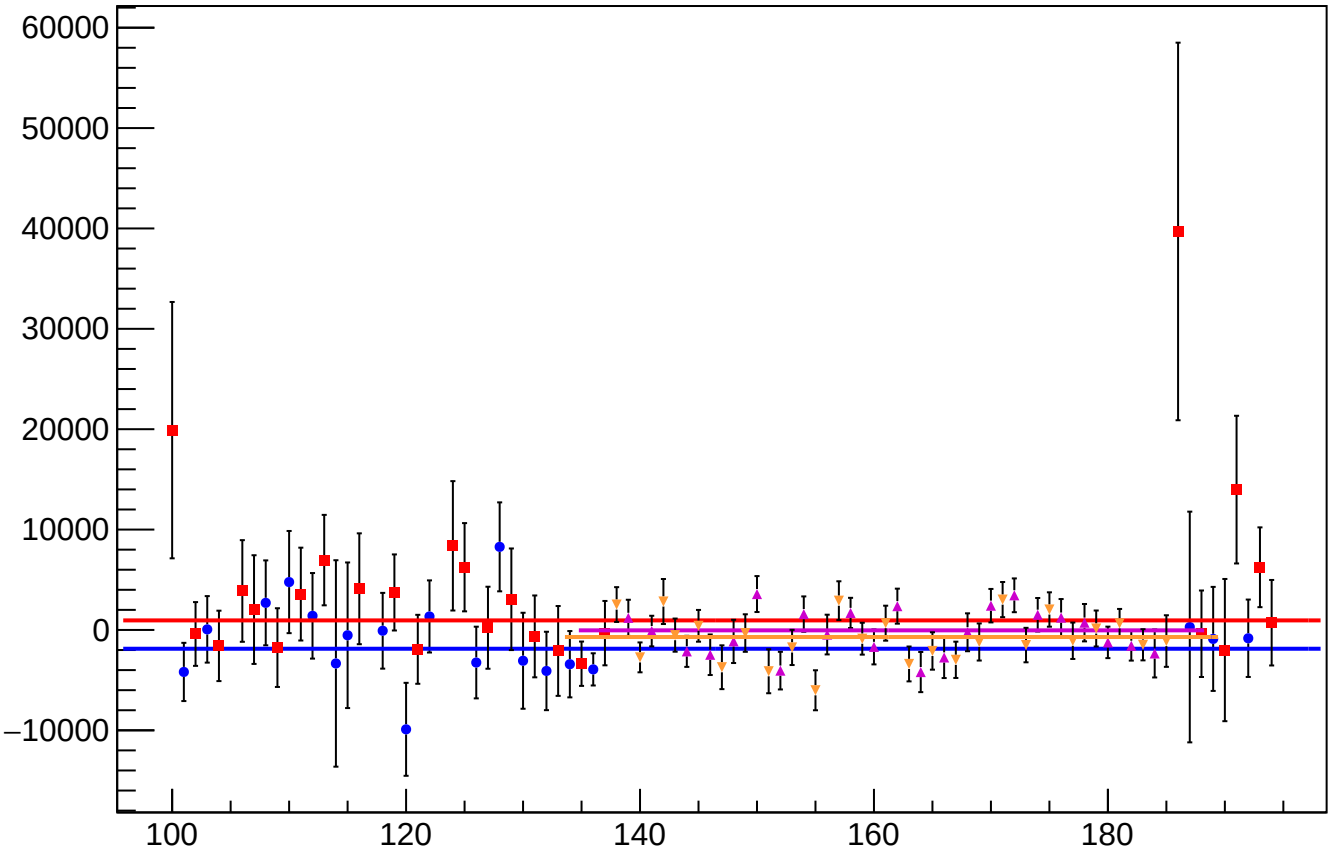
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

Right: 221.813+/-0.035 χ^2/NDF: 777229.2/43

In: 218.644+/-0.030 χ^2/NDF:485462.8/41

Out: 218.123+/-0.028 χ^2/NDF:656775.8/49

All: 218.369+/-0.020 χ^2/NDF: 1142401.0/91



Right In: -1872.796+/-841.140 χ^2/NDF: 16.3/18

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 950.884+/-842.583 χ^2/NDF: 24.4/24

Left In: -39.658+/-368.873 χ^2/NDF:34.3/22

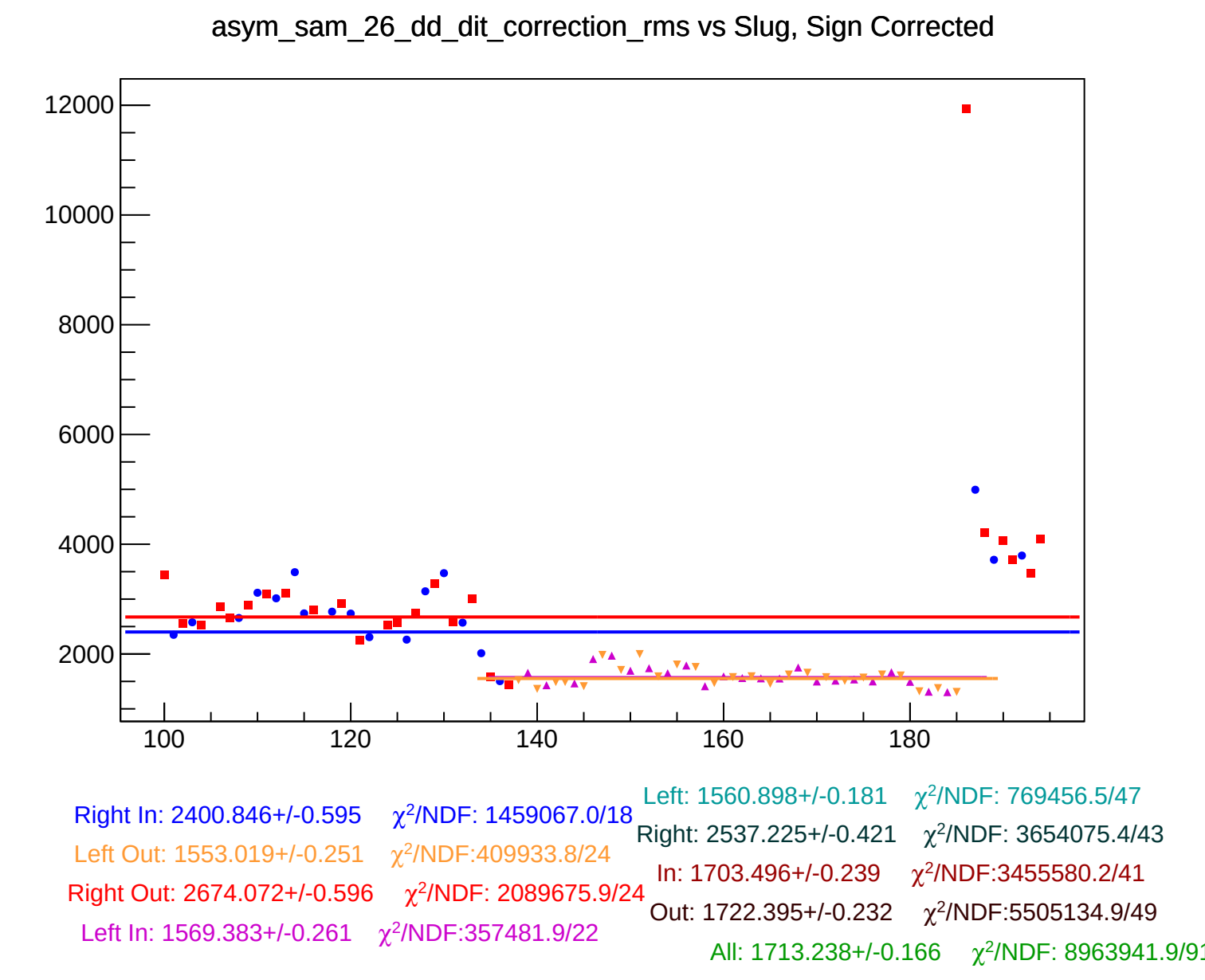
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

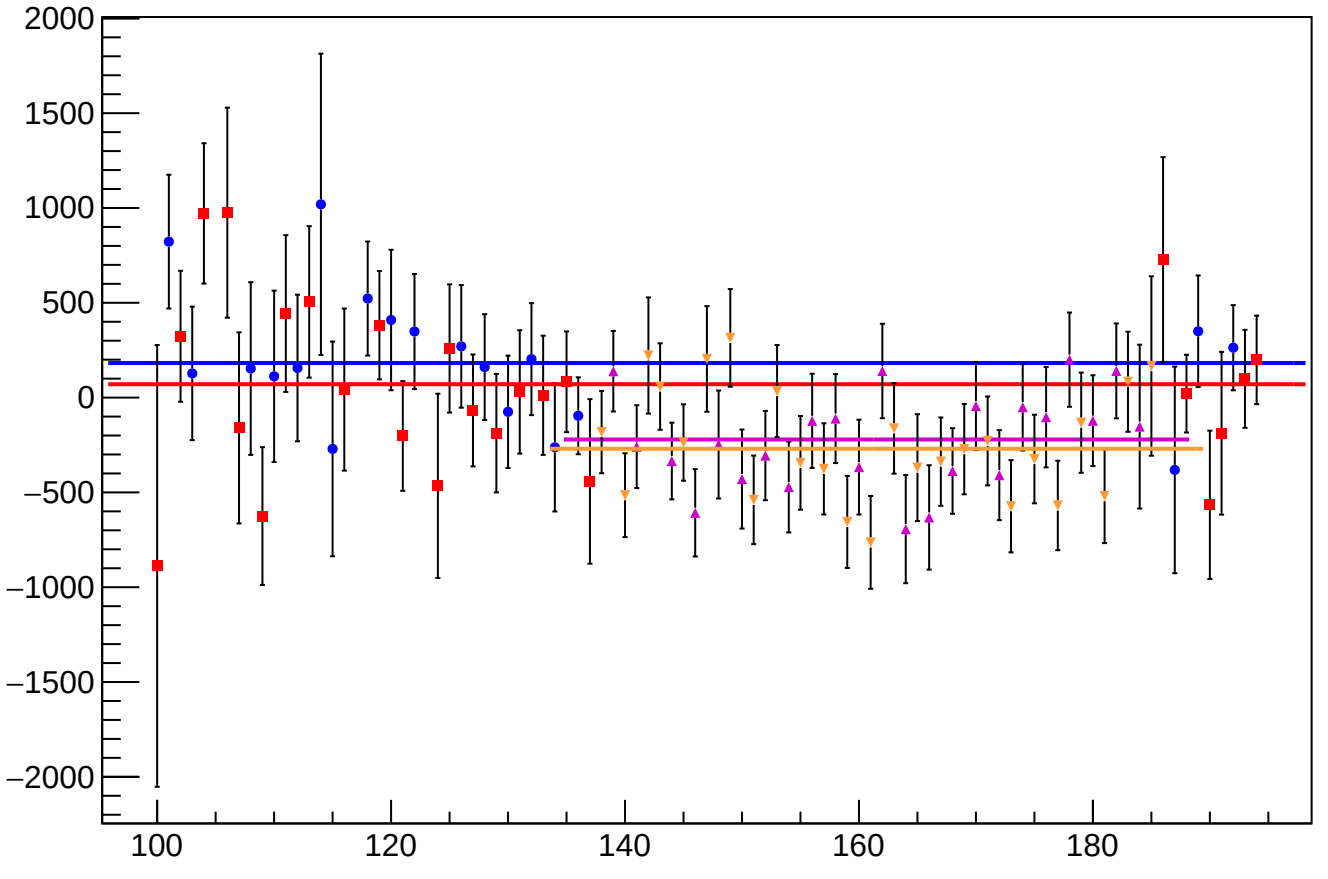
Right: -463.376+/-595.286 χ^2/NDF: 46.4/43

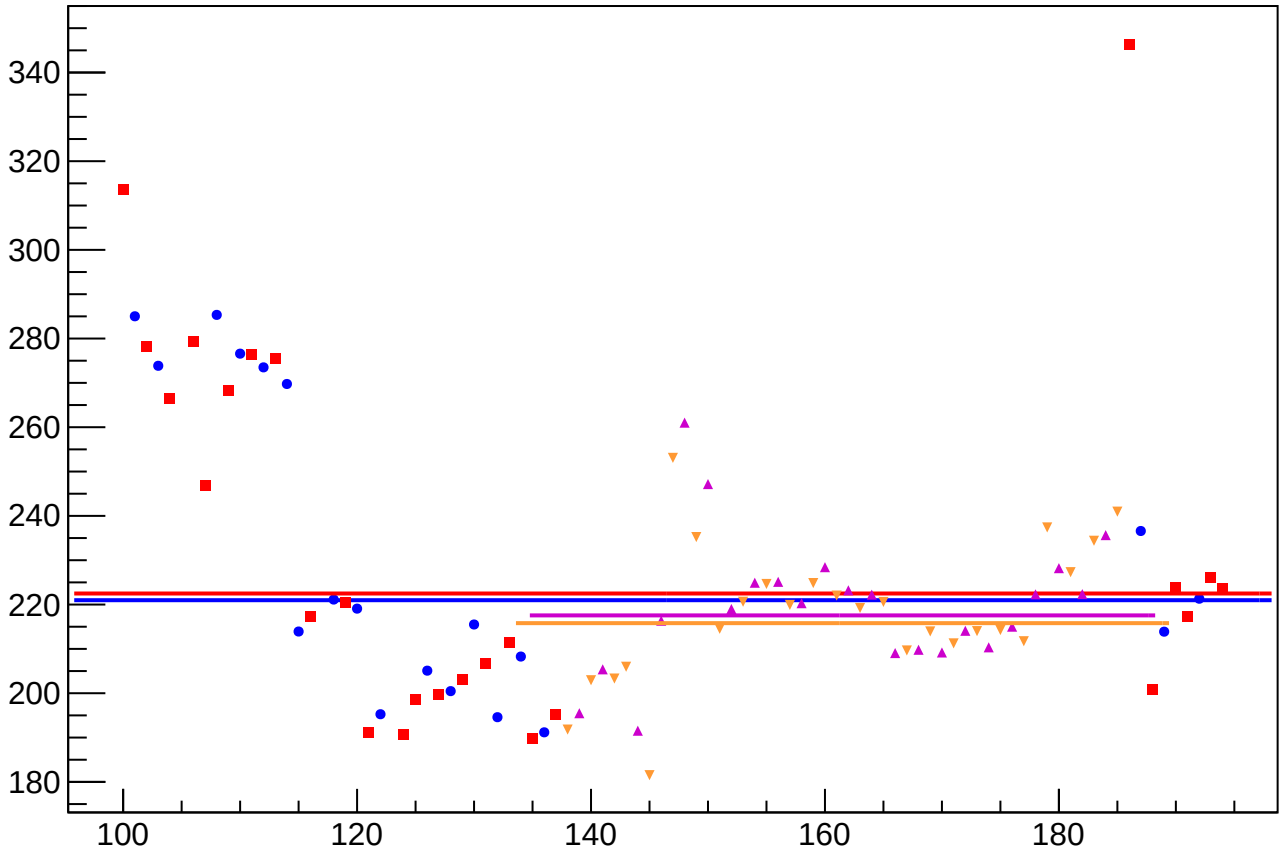
In: -335.337+/-337.817 χ^2/NDF:54.6/41

Out: -453.981+/-327.510 χ^2/NDF:65.3/49

All: -396.496+/-235.144 χ^2/NDF: 120.0/91


asym_sam_26_dd_dit_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
100
120
140
160
180
Right In: 2400.846+/-0.595 χ²/NDF: 1459067.0/18
Left Out: 1553.019+/-0.251 χ²/NDF:409933.8/24
Right Out: 2674.072+/-0.596 χ²/NDF: 2089675.9/24
Left In: 1569.383+/-0.261 χ²/NDF:357481.9/22
Left: 1560.898+/-0.181 χ²/NDF: 769456.5/47
Right: 2537.225+/-0.421 χ²/NDF: 3654075.4/43
In: 1703.496+/-0.239 χ²/NDF:3455580.2/41
Out: 1722.395+/-0.232 χ²/NDF:5505134.9/49
All: 1713.238+/-0.166 χ²/NDF: 8963941.9/91


eigen_dit_asym_sam_26_dd_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
120
140
160
180
Right In: 182.541+/-74.638 χ²/NDF: 13.0/18
Left Out: -269.680+/-49.158 χ²/NDF:31.5/24
Right Out: 70.533+/-67.526 χ²/NDF: 26.5/24
Left In: -220.927+/-50.956 χ²/NDF:23.4/22
Left: -246.179+/-35.378 χ²/NDF: 55.3/47
Right: 120.948+/-50.074 χ²/NDF: 40.8/43
In: -92.661+/-42.084 χ²/NDF:56.3/41
Out: -151.836+/-39.742 χ²/NDF:74.6/49
All: -123.940+/-28.894 χ²/NDF: 131.9/91



Right In: 220.981+/-0.053 χ^2/NDF: 321515.0/18

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

Right Out: 222.493+/-0.048 χ^2/NDF: 455242.7/24

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

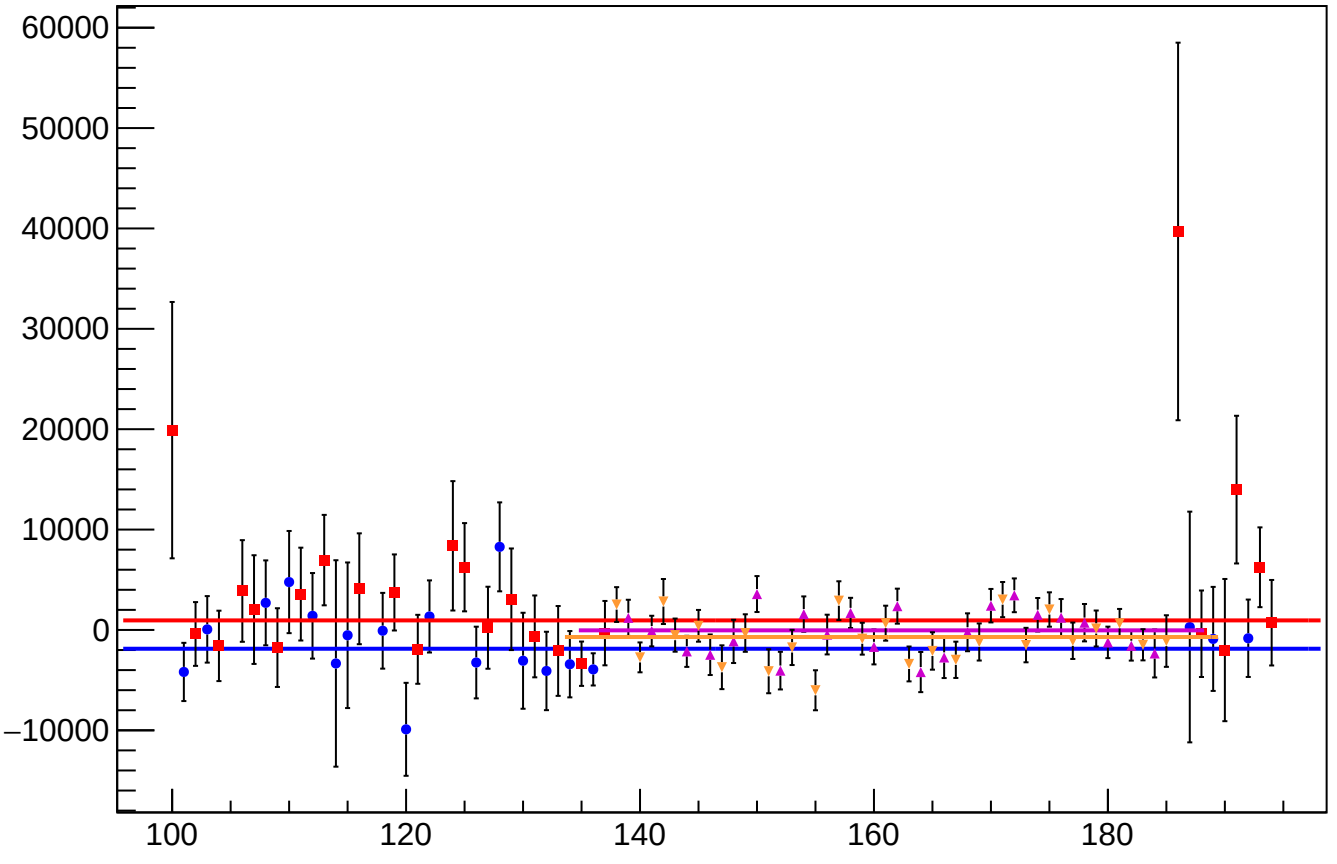
Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

Right: 221.812+/-0.035 χ^2/NDF: 777208.9/43

In: 218.644+/-0.030 χ^2/NDF:485458.8/41

Out: 218.122+/-0.028 χ^2/NDF:656762.6/49

All: 218.368+/-0.020 χ^2/NDF: 1142383.6/91



Right In: -1872.793+/-841.139 χ^2/NDF: 16.3/18

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 950.884+/-842.582 χ^2/NDF: 24.4/24

Left In: -39.657+/-368.873 χ^2/NDF:34.3/22

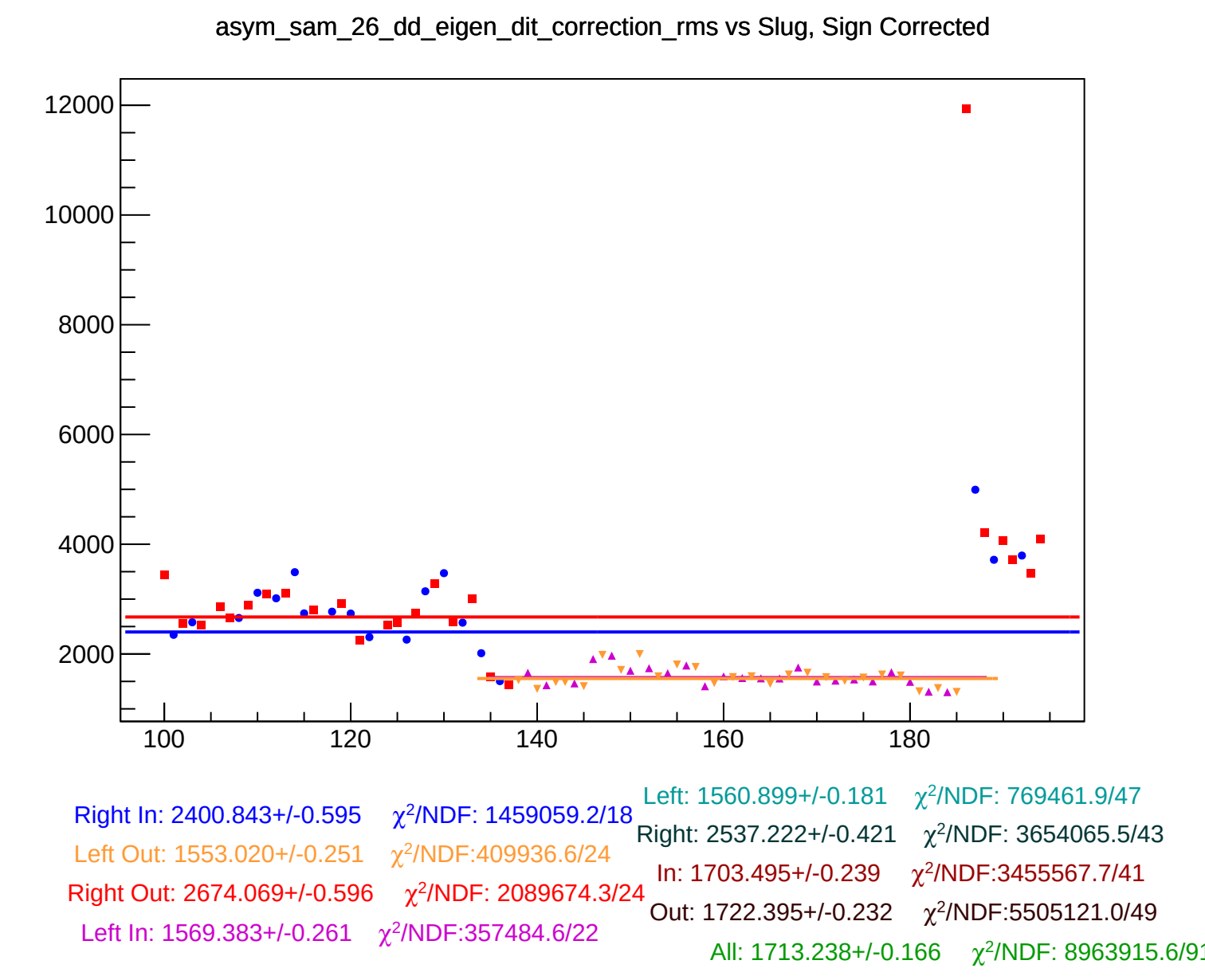
Left: -384.131+/-255.960 χ^2/NDF: 73.6/47

Right: -463.374+/-595.285 χ^2/NDF: 46.4/43

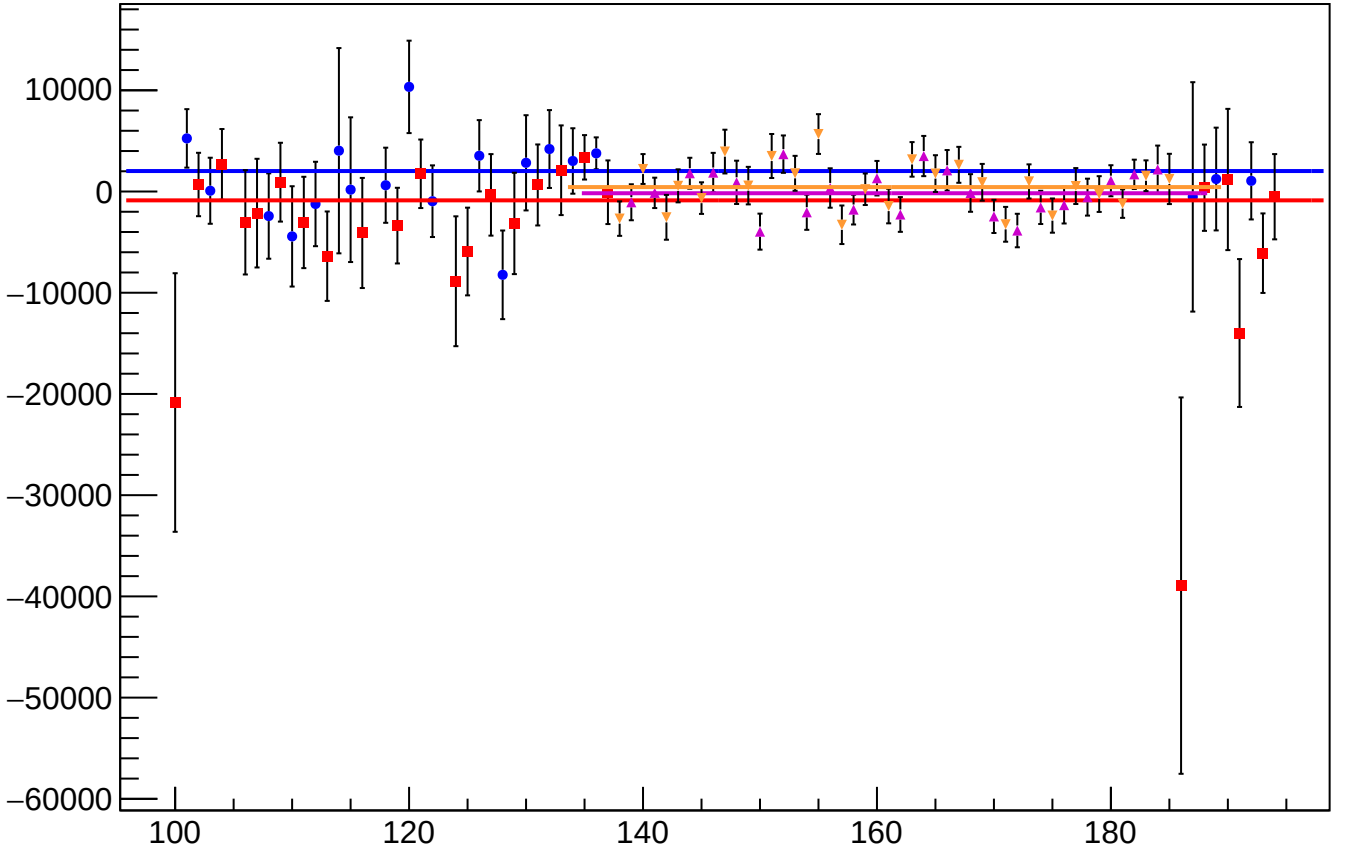
In: -335.337+/-337.817 χ^2/NDF:54.6/41

Out: -453.980+/-327.510 χ^2/NDF:65.3/49

All: -396.496+/-235.144 χ^2/NDF: 120.0/91


asym_sam_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
100
120
140
160
180
Right In: 2400.843+/-0.595 χ²/NDF: 1459059.2/18
Left Out: 1553.020+/-0.251 χ²/NDF:409936.6/24
Right Out: 2674.069+/-0.596 χ²/NDF: 2089674.3/24
Left In: 1569.383+/-0.261 χ²/NDF:357484.6/22
Left: 1560.899+/-0.181 χ²/NDF: 769461.9/47
Right: 2537.222+/-0.421 χ²/NDF: 3654065.5/43
In: 1703.495+/-0.239 χ²/NDF:3455567.7/41
Out: 1722.395+/-0.232 χ²/NDF:5505121.0/49
All: 1713.238+/-0.166 χ²/NDF: 8963915.6/91

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2022.314+/-828.425 χ^2/NDF: 16.8/18

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: -874.128+/-833.059 χ^2/NDF: 24.3/24

Left In: -169.827+/-362.550 χ^2/NDF:33.0/22

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

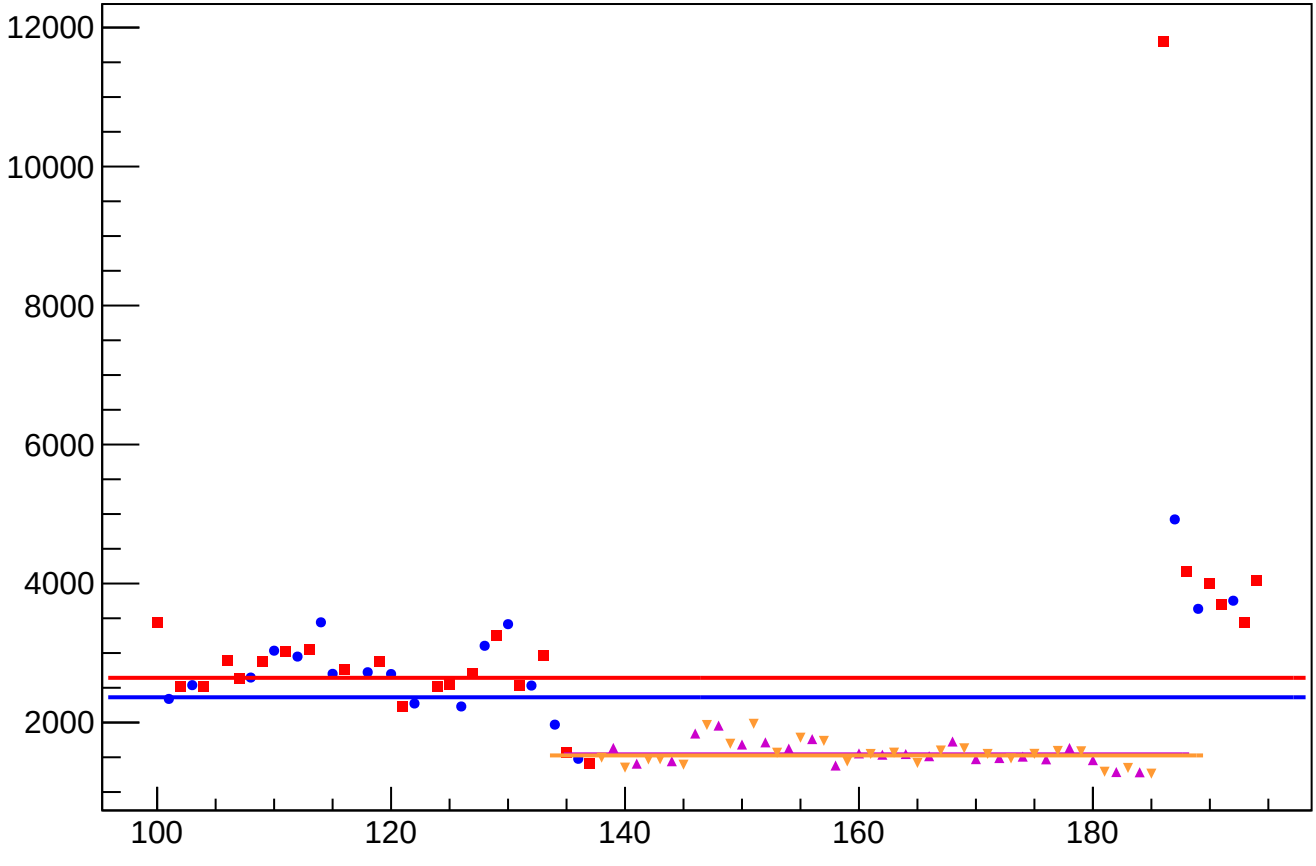
Right: 582.170+/-587.416 χ^2/NDF: 47.1/43

In: 182.539+/-332.136 χ^2/NDF:55.7/41

Out: 241.131+/-322.349 χ^2/NDF:65.2/49

All: 212.711+/-231.318 χ^2/NDF: 120.9/91

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2363.447+/-0.586 χ^2/NDF: 1467106.9/18

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2643.213+/-0.589 χ^2/NDF: 2087613.3/24

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

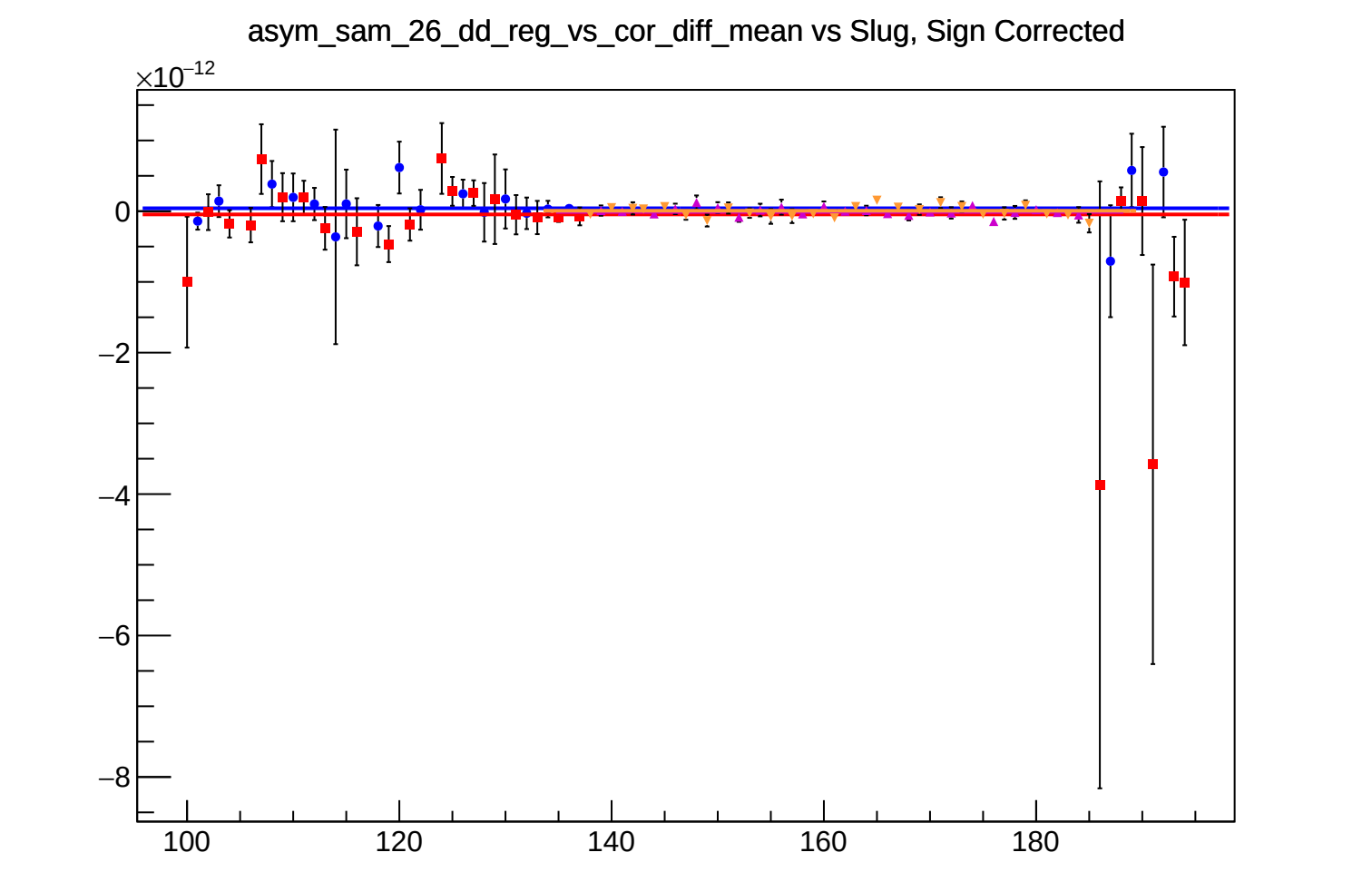
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

Right: 2502.550+/-0.415 χ^2/NDF: 3668130.8/43

In: 1674.260+/-0.235 χ^2/NDF:3478703.7/41

Out: 1693.895+/-0.228 χ^2/NDF:5571607.1/49

All: 1684.371+/-0.164 χ^2/NDF: 9053910.1/91



Right In: 0.000+/-0.000 χ^2/NDF: 11.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/24

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

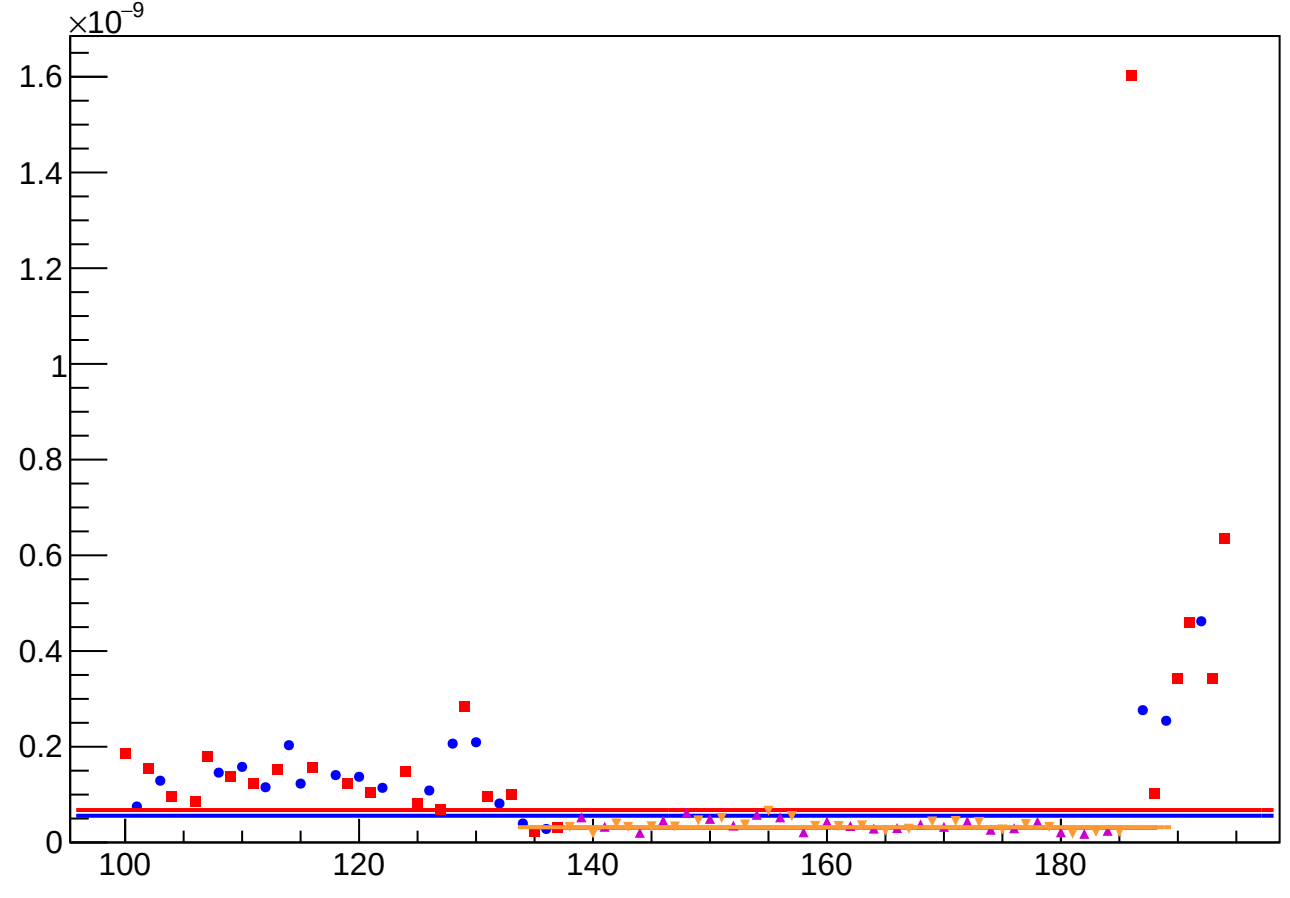
Left: -0.000+/-0.000 χ^2/NDF: 48.6/47

Right: 0.000+/-0.000 χ^2/NDF: 38.8/43

In: -0.000+/-0.000 χ^2/NDF:29.8/41

Out: 0.000+/-0.000 χ^2/NDF:57.5/49

All: -0.000+/-0.000 χ^2/NDF: 87.5/91



Right In: 0.000+/-0.000 χ^2/NDF: 3842282.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4369524.3/24

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

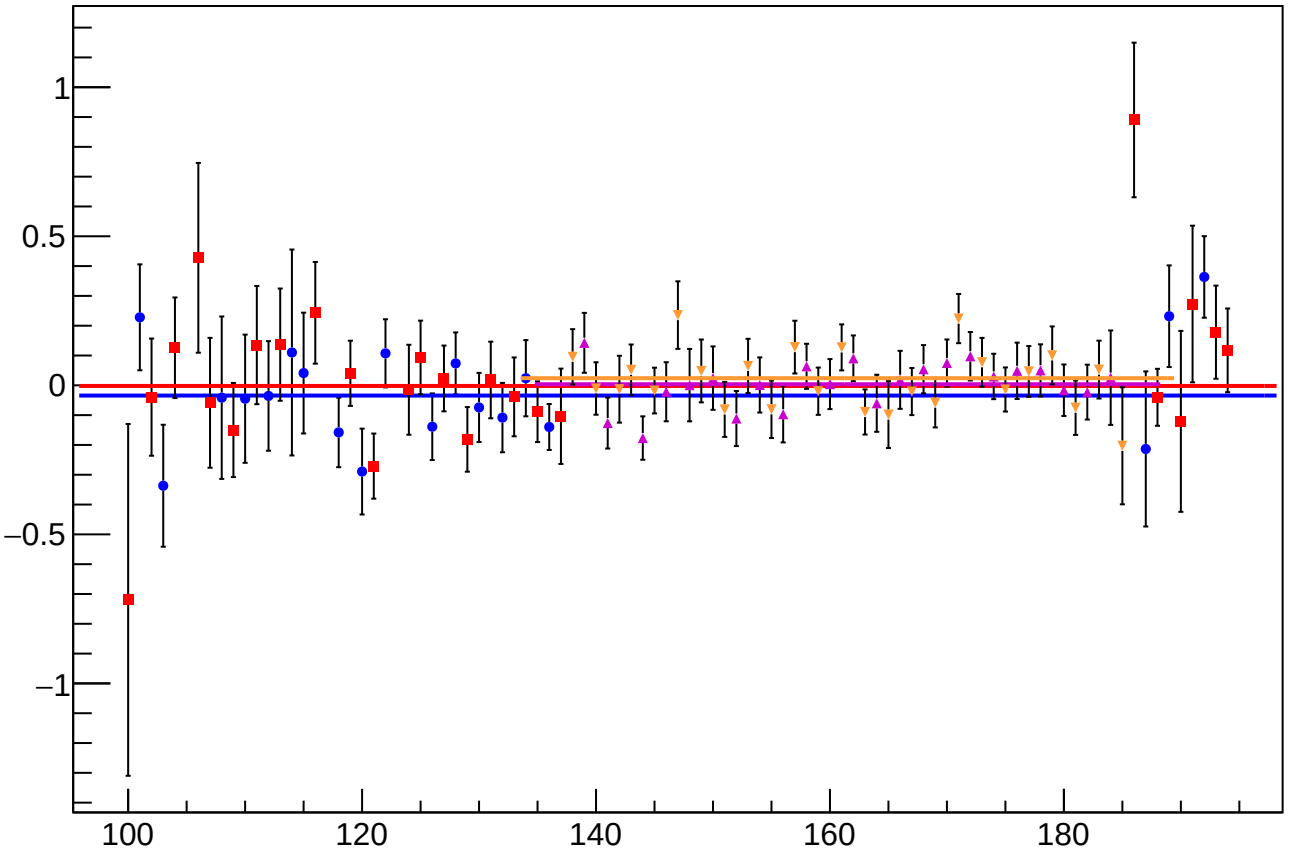
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 8304746.2/43

In: 0.000+/-0.000 χ^2/NDF:6274580.6/41

Out: 0.000+/-0.000 χ^2/NDF:6950981.4/49

All: 0.000+/-0.000 χ^2/NDF: 13231419.1/91



Right In: -0.034+/-0.032 χ^2/NDF: 26.4/18

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.002+/-0.029 χ^2/NDF: 34.1/24

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

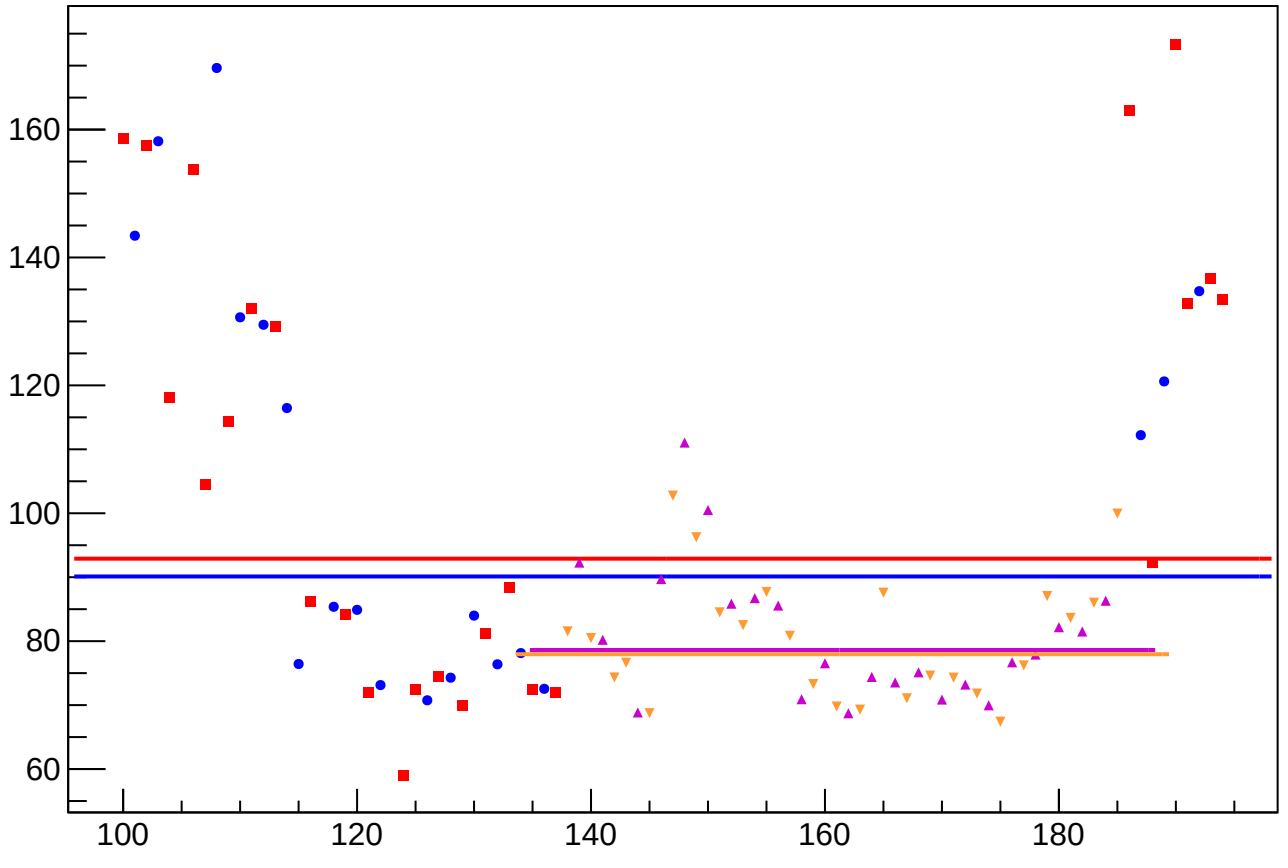
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.017+/-0.021 χ^2/NDF: 61.0/43

In: -0.006+/-0.016 χ^2/NDF:46.3/41

Out: 0.017+/-0.015 χ^2/NDF:60.2/49

All: 0.006+/-0.011 χ^2/NDF: 107.6/91



Right In: 90.115+/-0.022 χ^2/NDF: 1357346.0/18

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 92.899+/-0.021 χ^2/NDF: 1733843.2/24

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

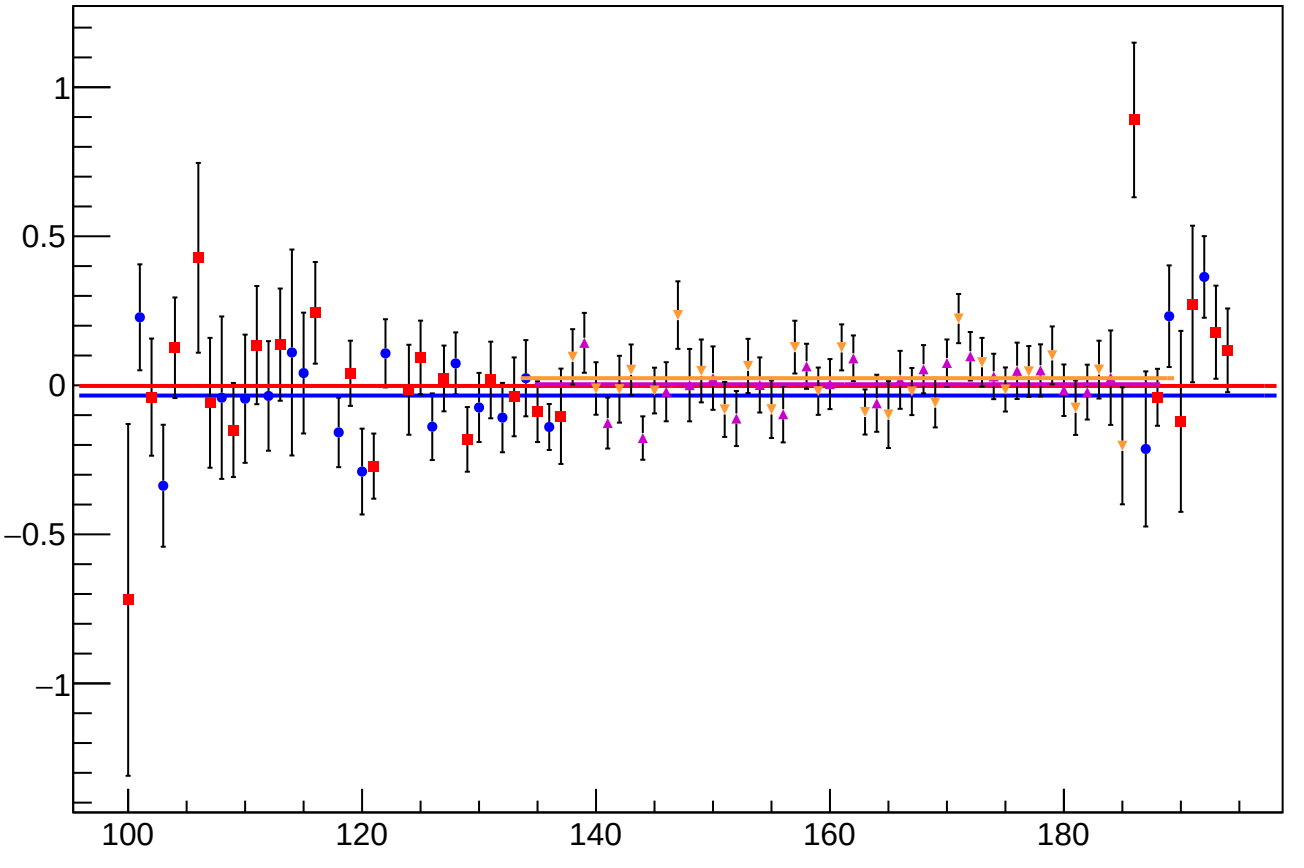
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 91.608+/-0.015 χ^2/NDF: 3099541.8/43

In: 81.571+/-0.011 χ^2/NDF:2052423.8/41

Out: 81.996+/-0.011 χ^2/NDF:2552077.9/49

All: 81.794+/-0.008 χ^2/NDF: 4605239.3/91



Right In: -0.034+/-0.032 χ^2/NDF: 26.4/18

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.002+/-0.029 χ^2/NDF: 34.1/24

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

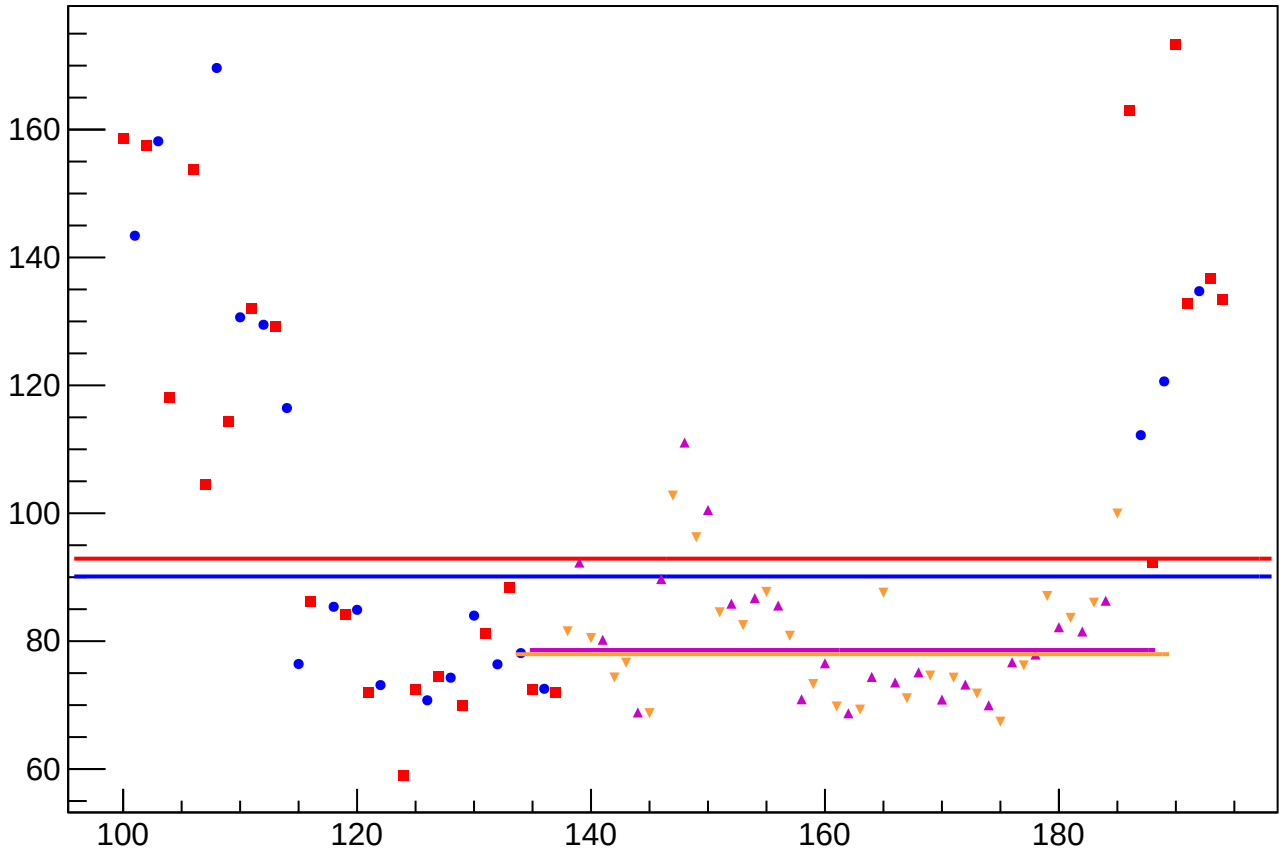
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.017+/-0.021 χ^2/NDF: 61.0/43

In: -0.006+/-0.016 χ^2/NDF:46.3/41

Out: 0.017+/-0.015 χ^2/NDF:60.2/49

All: 0.006+/-0.011 χ^2/NDF: 107.6/91



Right In: 90.115+/-0.022 χ^2/NDF: 1357346.0/18

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 92.899+/-0.021 χ^2/NDF: 1733843.2/24

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

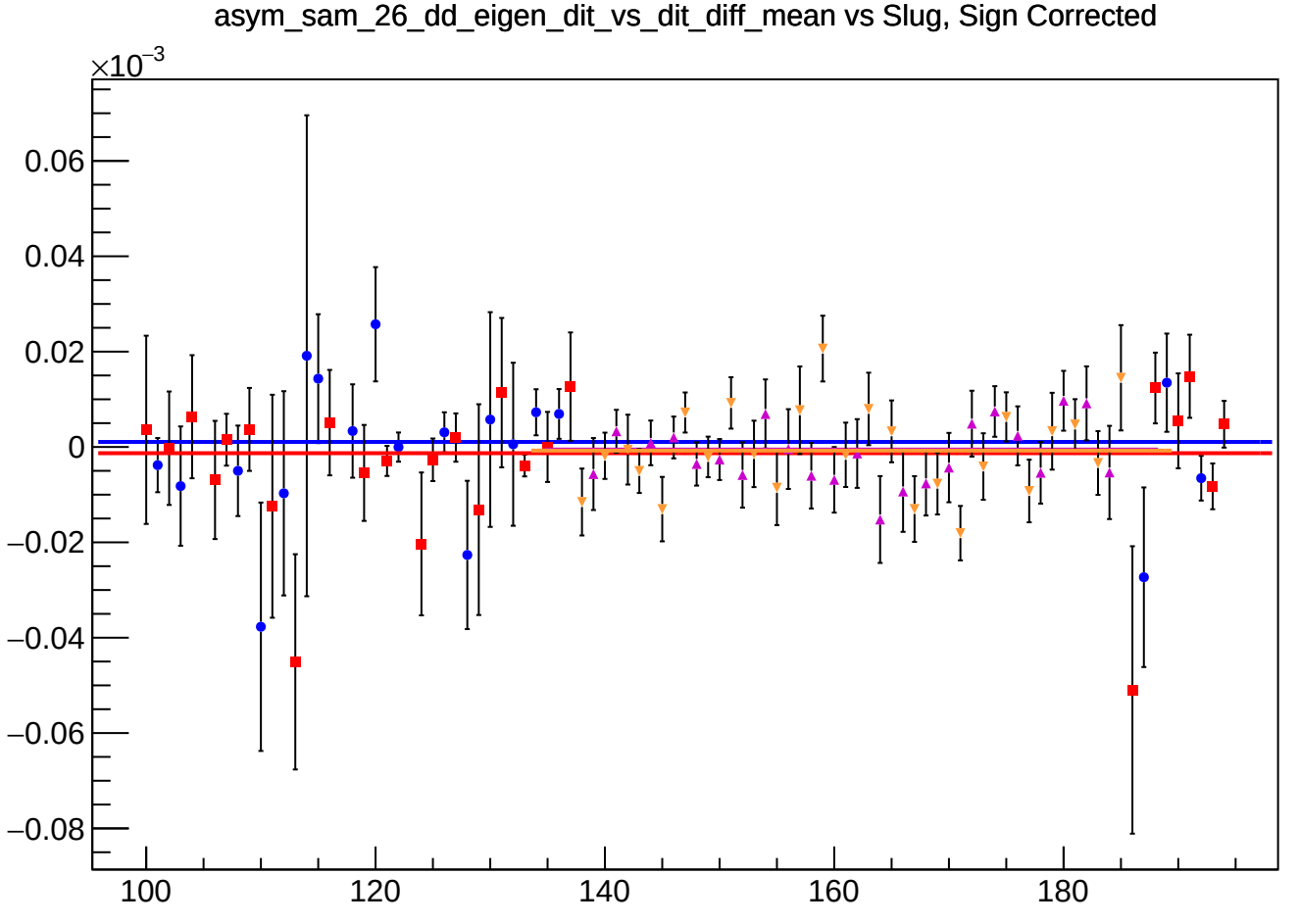
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 91.608+/-0.015 χ^2/NDF: 3099541.8/43

In: 81.571+/-0.011 χ^2/NDF:2052423.8/41

Out: 81.996+/-0.011 χ^2/NDF:2552077.9/49

All: 81.794+/-0.008 χ^2/NDF: 4605239.3/91



Right In: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/24

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

Left: -0.000+/-0.000 χ^2/NDF: 66.2/47

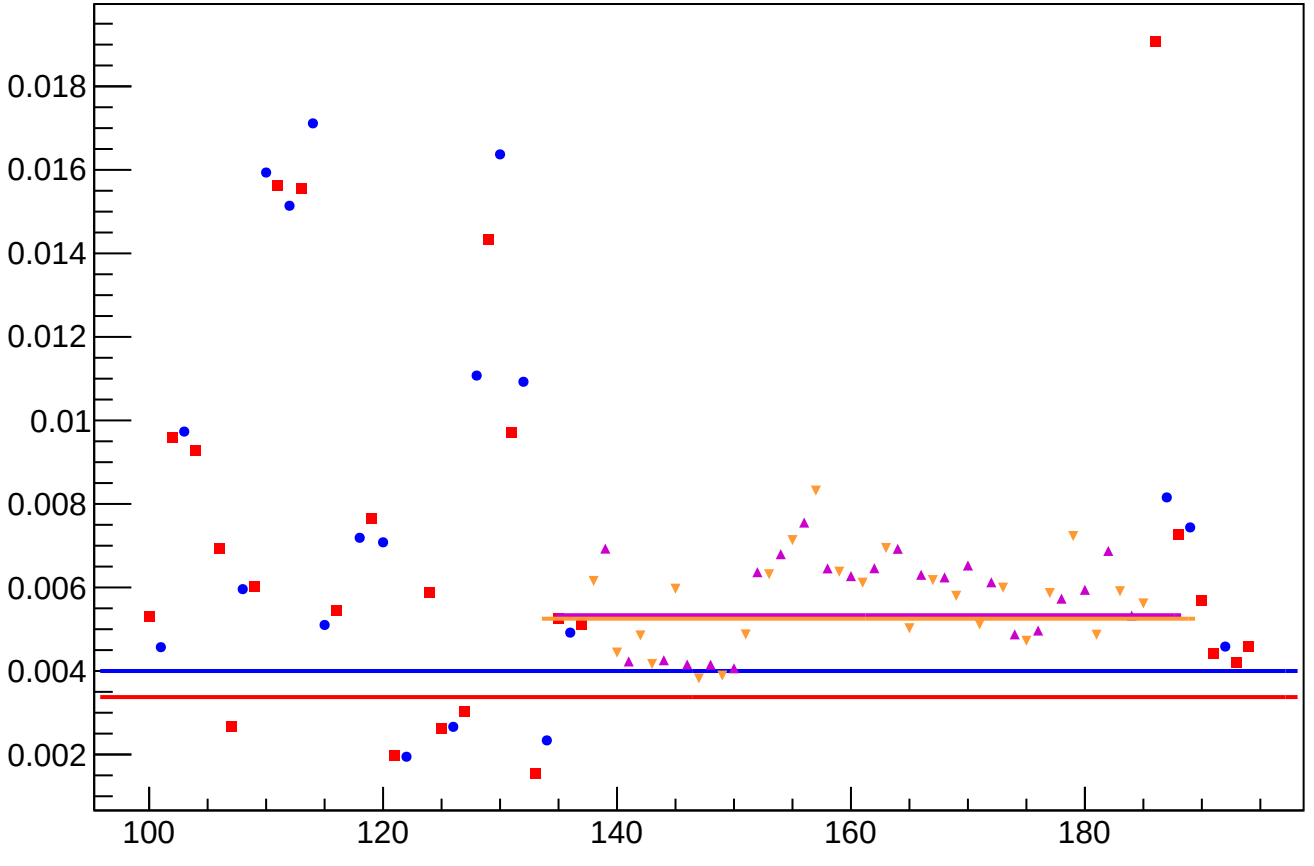
Right: -0.000+/-0.000 χ^2/NDF: 48.4/43

In: 0.000+/-0.000 χ^2/NDF:40.8/41

Out: -0.000+/-0.000 χ^2/NDF:73.2/49

All: -0.000+/-0.000 χ^2/NDF: 114.6/91

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 5076225.4/18

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

Right Out: 0.003+/-0.000 χ^2/NDF: 7134651.5/24

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

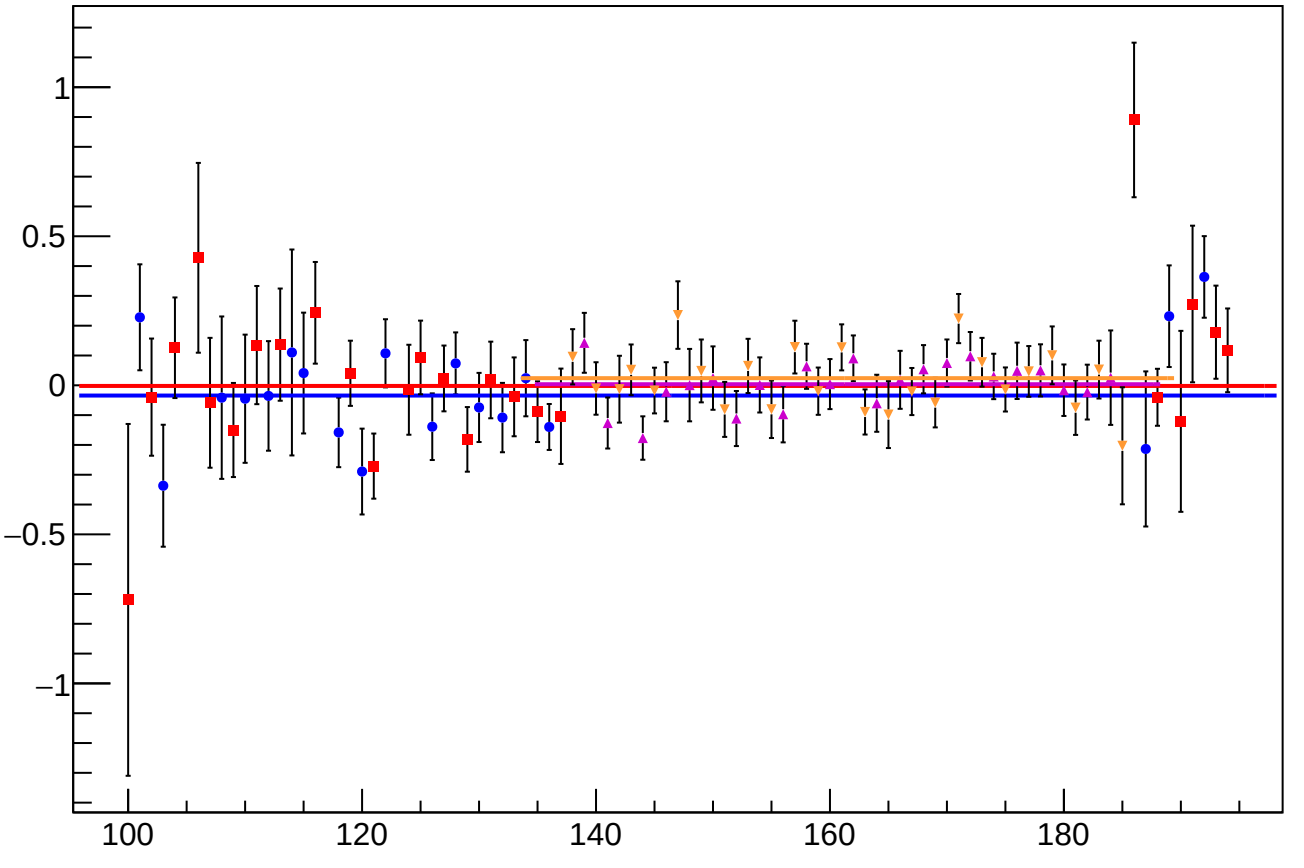
Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

Right: 0.004+/-0.000 χ^2/NDF: 12397882.4/43

In: 0.005+/-0.000 χ^2/NDF:7426779.4/41

Out: 0.004+/-0.000 χ^2/NDF:10941515.4/49

All: 0.005+/-0.000 χ^2/NDF: 18629750.2/91



Right In: -0.034+/-0.032 χ^2/NDF: 26.4/18

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.002+/-0.029 χ^2/NDF: 34.1/24

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

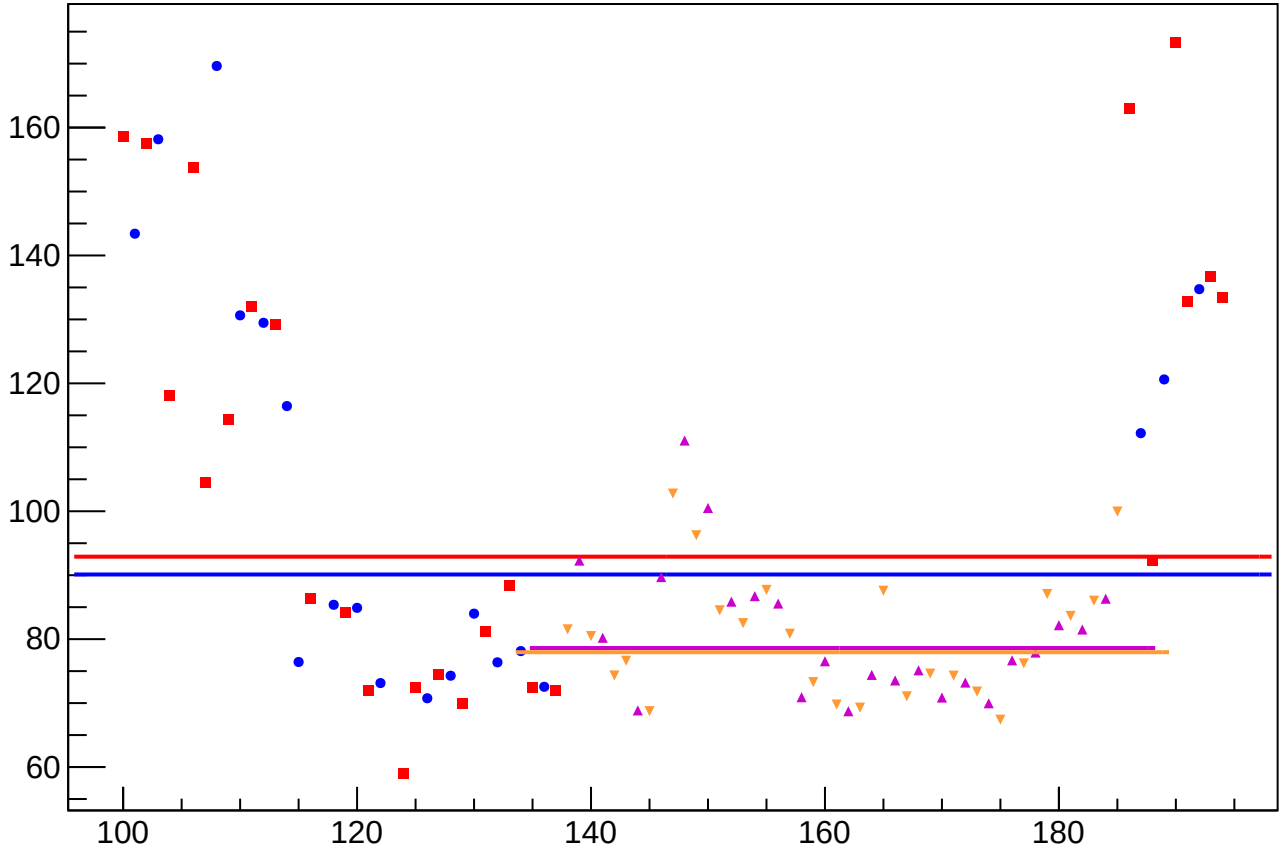
Right: -0.017+/-0.021 χ^2/NDF: 61.0/43

In: -0.006+/-0.016 χ^2/NDF:46.3/41

Out: 0.017+/-0.015 χ^2/NDF:60.2/49

All: 0.006+/-0.011 χ^2/NDF: 107.6/91

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 90.112+/-0.022 χ^2/NDF: 1357363.0/18

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 92.897+/-0.021 χ^2/NDF: 1733860.8/24

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

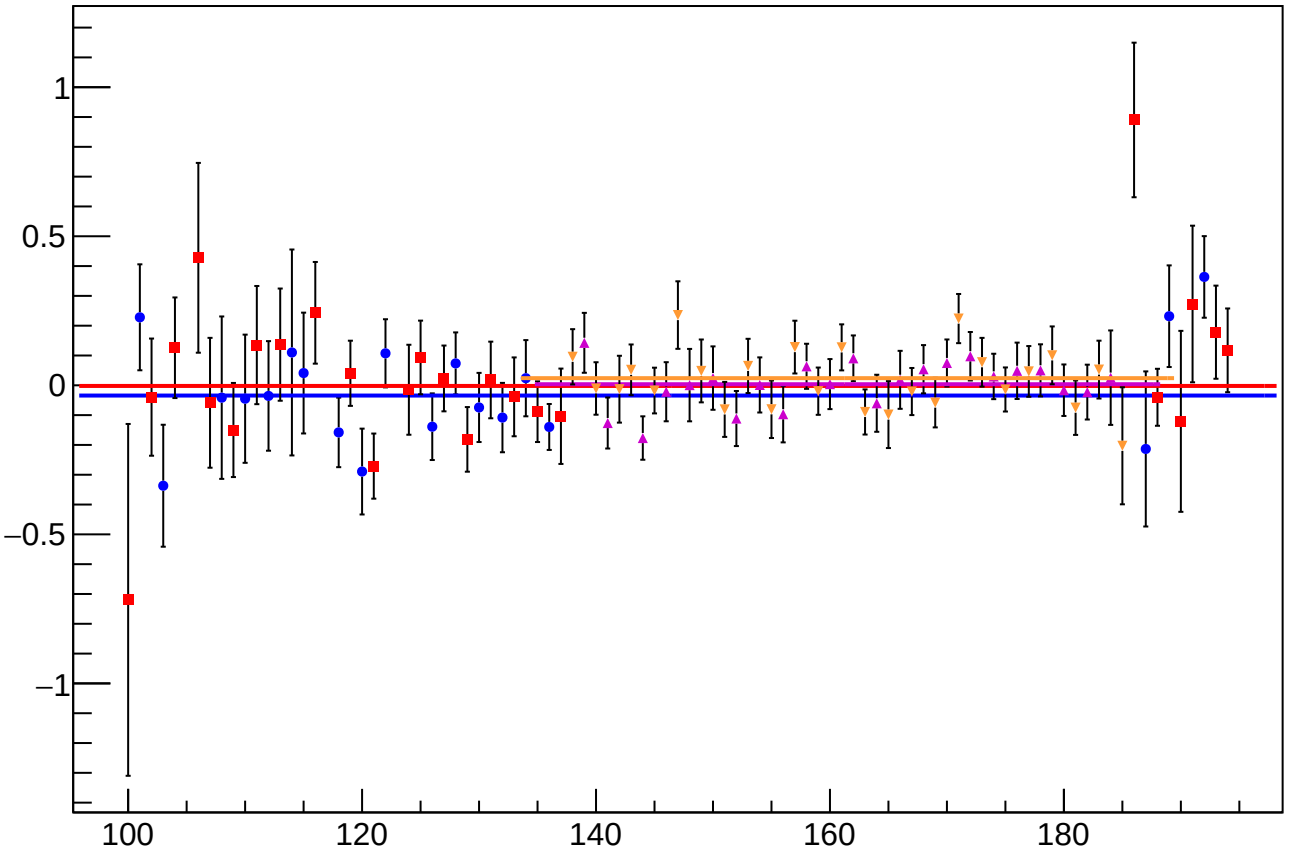
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

Right: 91.606+/-0.015 χ^2/NDF: 3099579.2/43

In: 81.570+/-0.011 χ^2/NDF:2052425.9/41

Out: 81.995+/-0.011 χ^2/NDF:2552064.3/49

All: 81.793+/-0.008 χ^2/NDF: 4605229.0/91



Right In: -0.034+/-0.032 χ^2/NDF: 26.4/18

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.002+/-0.029 χ^2/NDF: 34.1/24

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

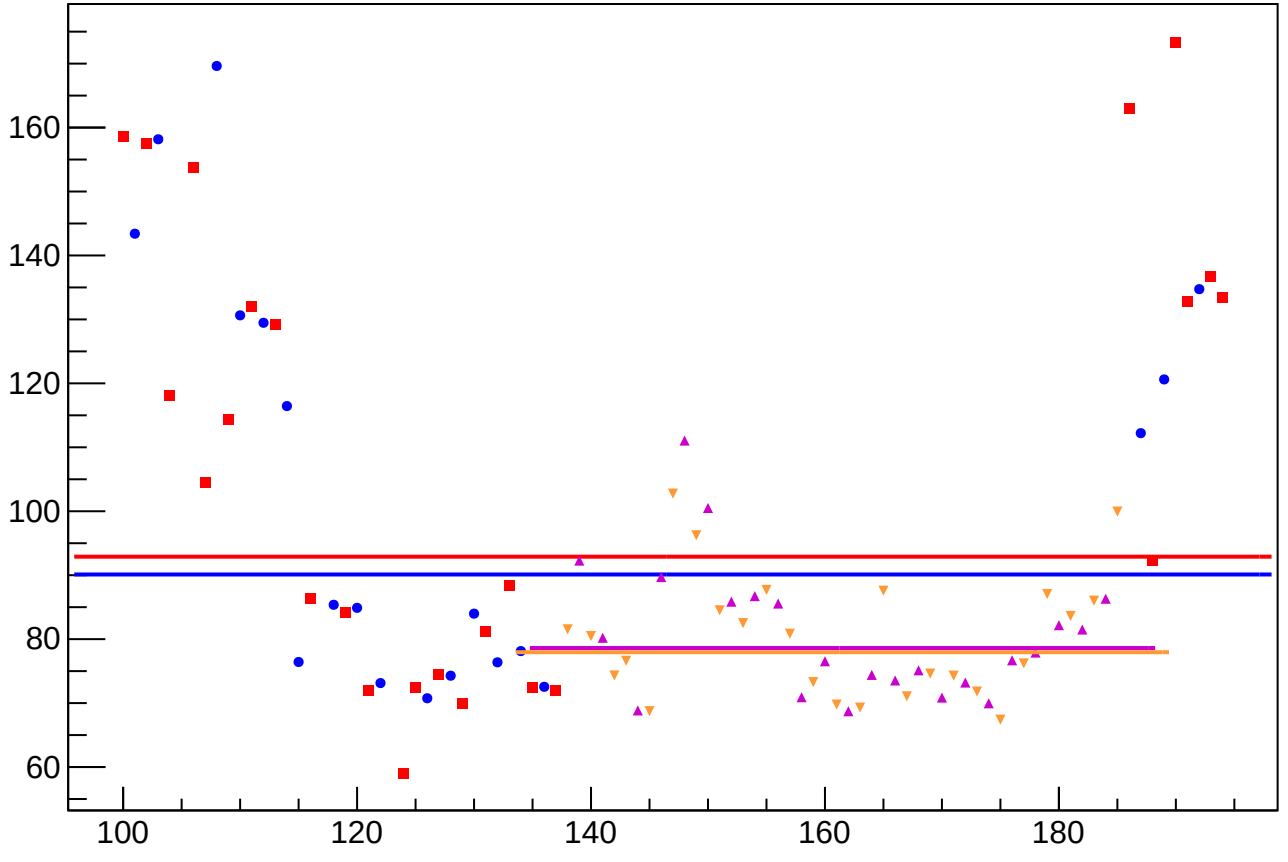
Right: -0.017+/-0.021 χ^2/NDF: 61.0/43

In: -0.006+/-0.016 χ^2/NDF:46.3/41

Out: 0.017+/-0.015 χ^2/NDF:60.2/49

All: 0.006+/-0.011 χ^2/NDF: 107.6/91

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 90.112+/-0.022 χ^2/NDF: 1357363.0/18

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 92.897+/-0.021 χ^2/NDF: 1733860.8/24

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

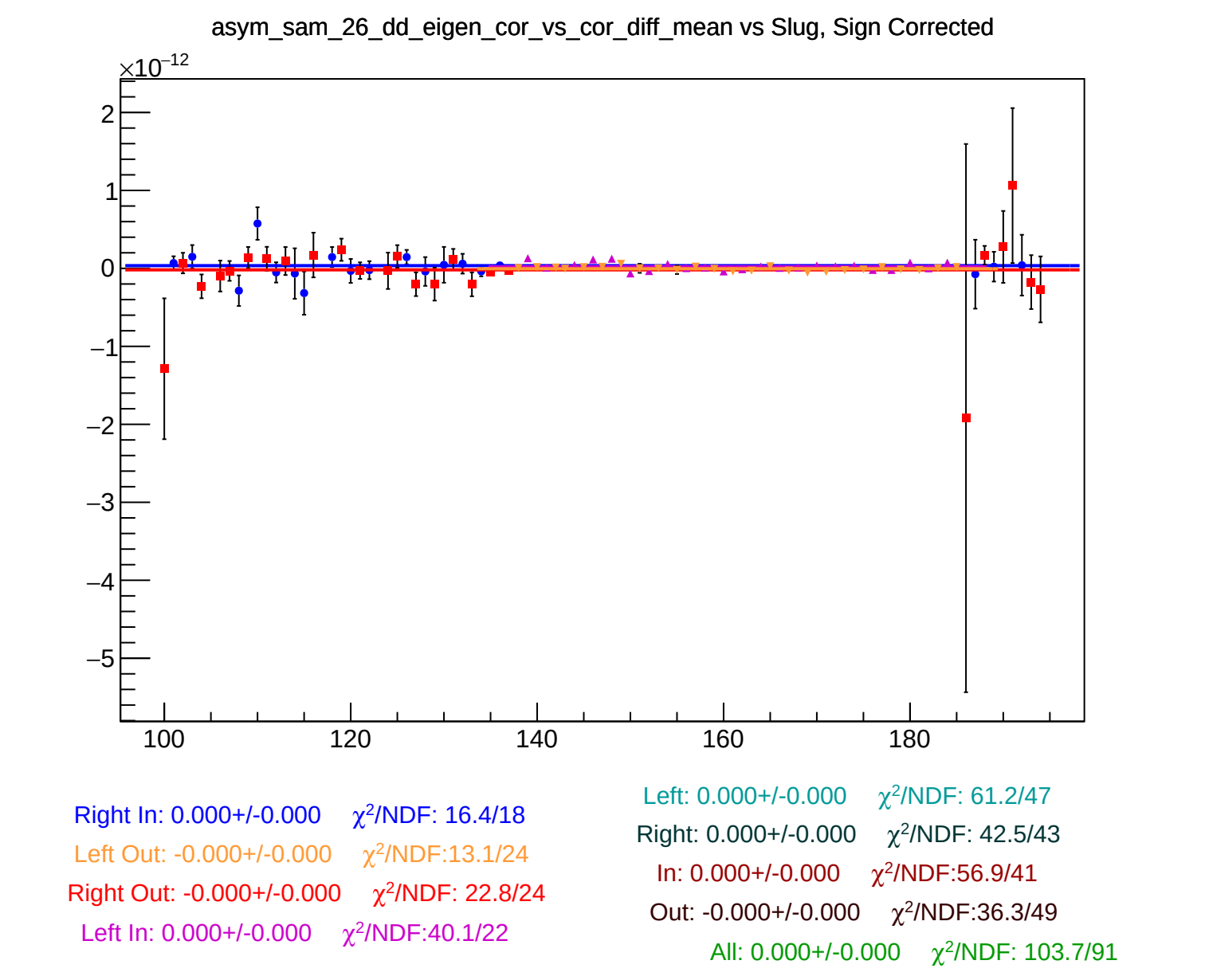
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

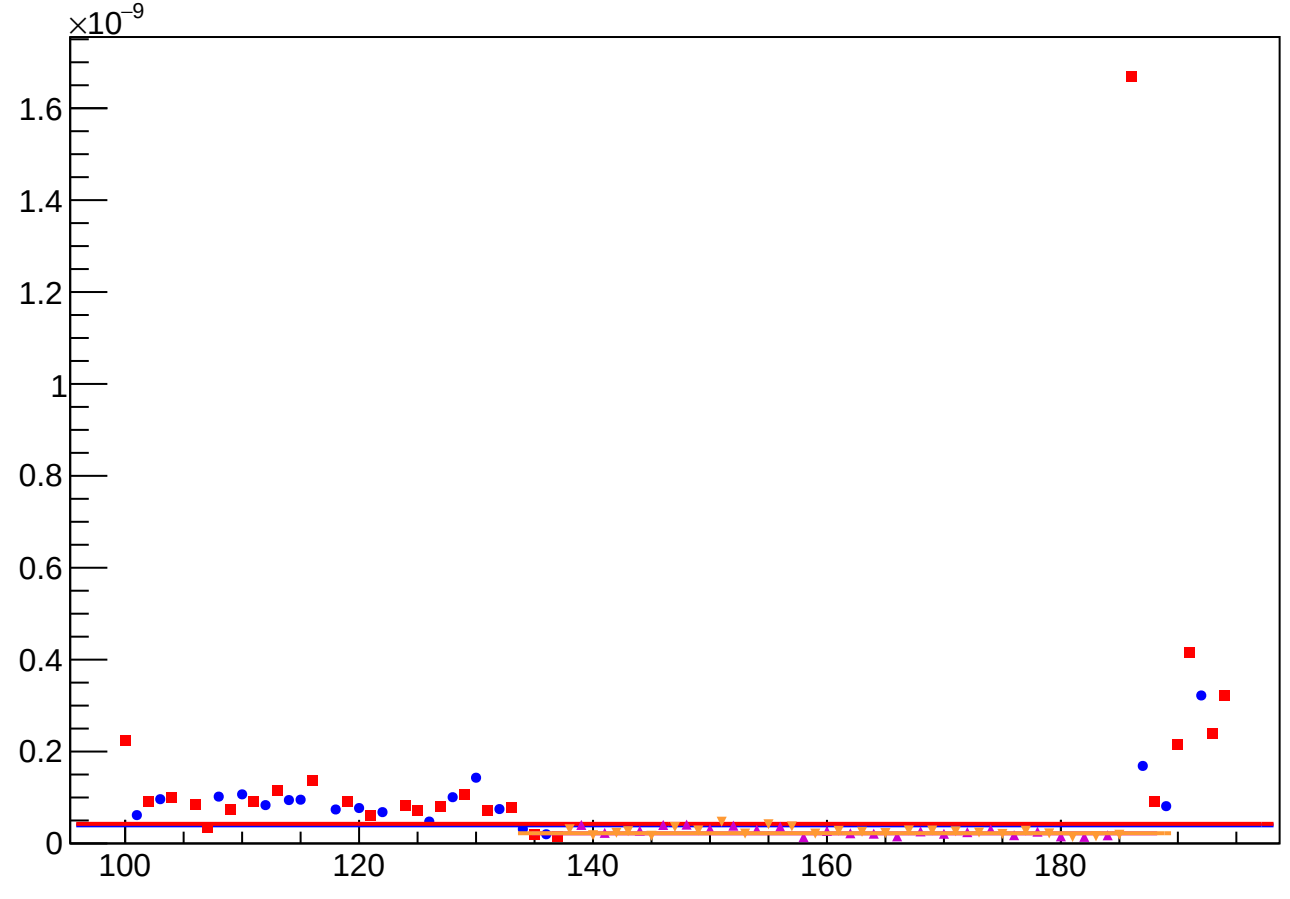
Right: 91.606+/-0.015 χ^2/NDF: 3099579.2/43

In: 81.570+/-0.011 χ^2/NDF:2052425.9/41

Out: 81.995+/-0.011 χ^2/NDF:2552064.3/49

All: 81.793+/-0.008 χ^2/NDF: 4605229.0/91


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
Right In: 0.000+/-0.000 χ²/NDF: 16.4/18
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 22.8/24
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: 42.5/43
In: 0.000+/-0.000 χ²/NDF:56.9/41
Out: -0.000+/-0.000 χ²/NDF:36.3/49
All: 0.000+/-0.000 χ²/NDF: 103.7/91



Right In: 0.000+/-0.000 χ^2/NDF: 4787050.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7026856.6/24

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

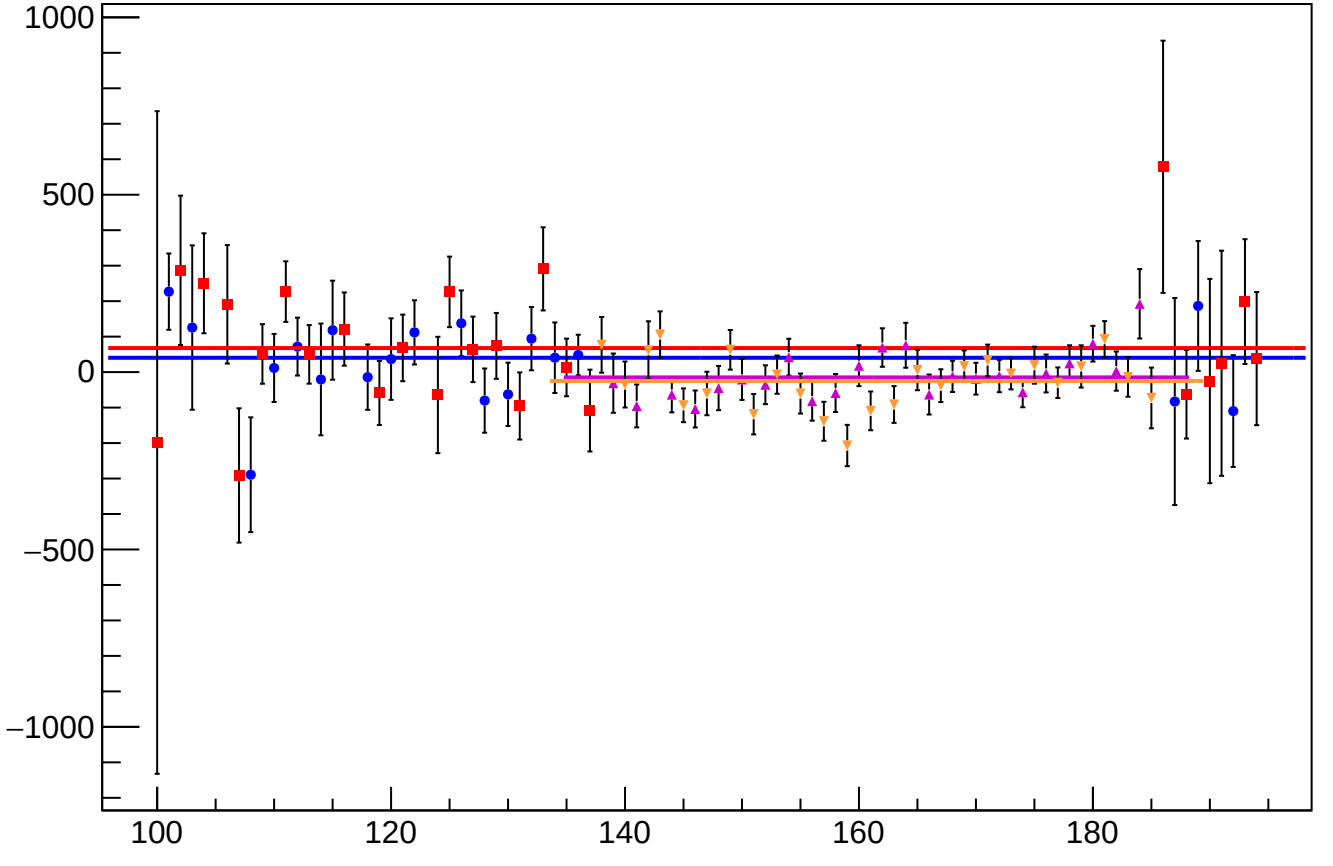
Right: 0.000+/-0.000 χ^2/NDF: 11837793.9/43

In: 0.000+/-0.000 χ^2/NDF:8907538.8/41

Out: 0.000+/-0.000 χ^2/NDF:10970191.3/49

All: 0.000+/-0.000 χ^2/NDF: 19878884.6/91

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 40.383+/-23.647 χ^2/NDF: 15.3/18

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: 67.776+/-23.364 χ^2/NDF: 29.2/24

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

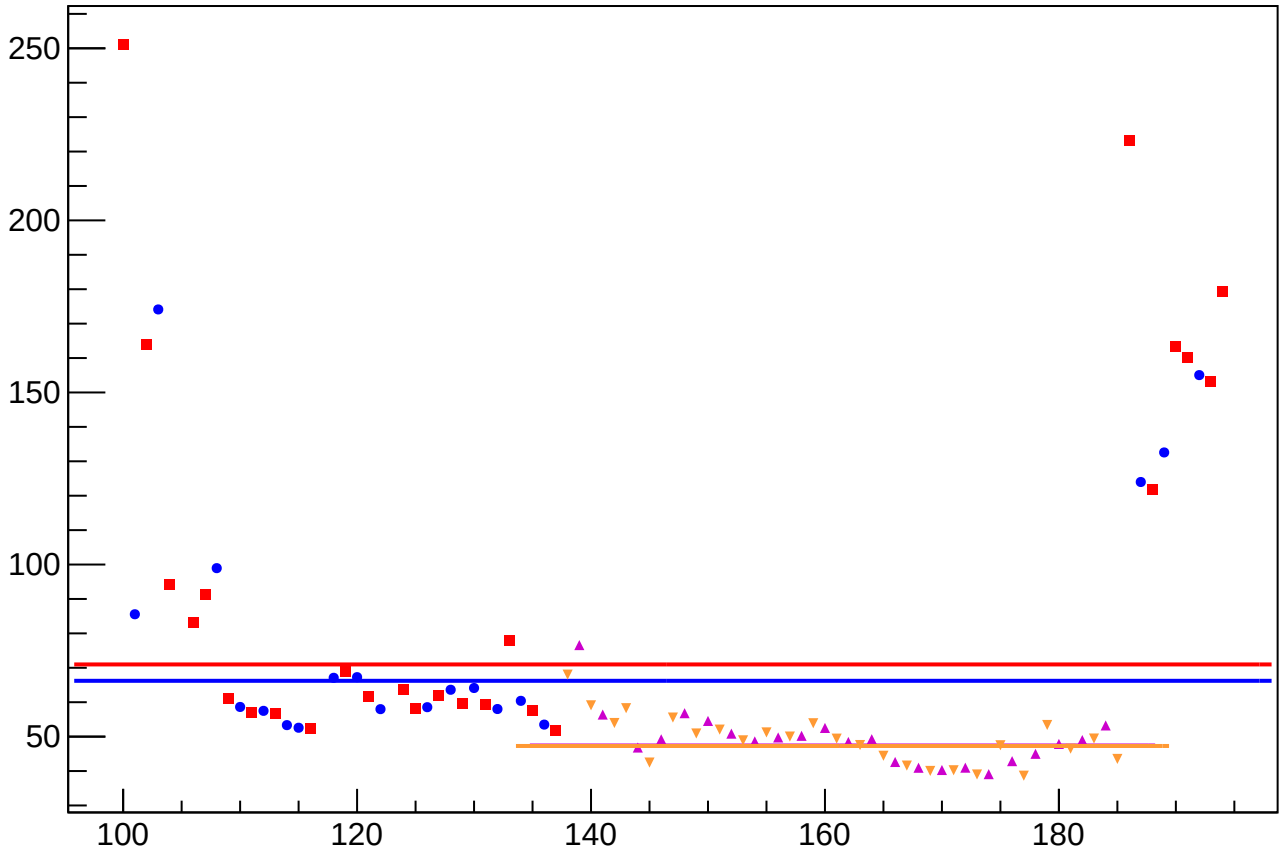
Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

Right: 54.244+/-16.620 χ^2/NDF: 45.2/43

In: -4.821+/-10.135 χ^2/NDF:44.5/41

Out: -8.438+/-9.869 χ^2/NDF:85.3/49

All: -6.677+/-7.071 χ^2/NDF: 129.8/91



Right In: 66.218+/-0.017 χ^2/NDF: 1780298.2/18

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 70.975+/-0.017 χ^2/NDF: 3177990.1/24

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

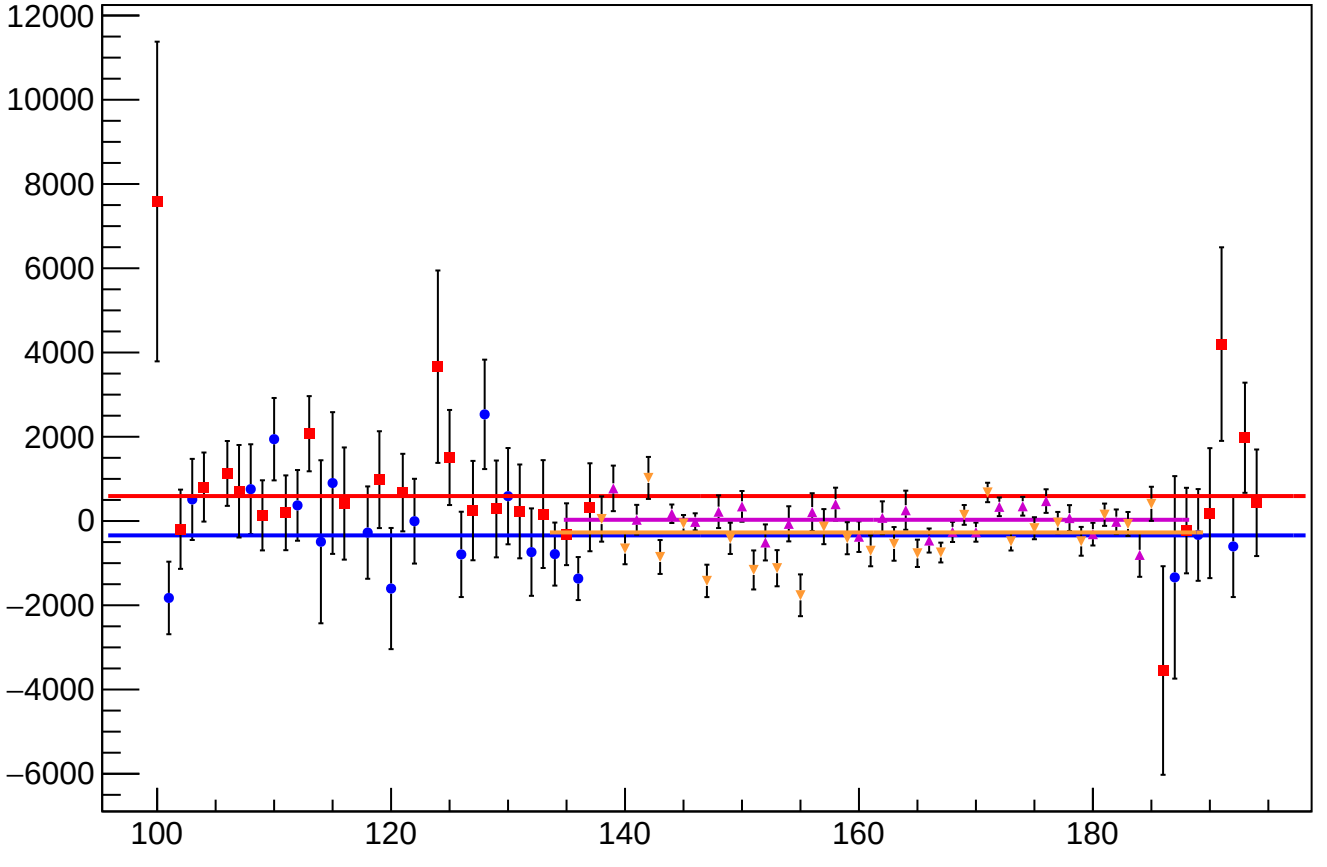
Right: 68.625+/-0.012 χ^2/NDF: 4999248.0/43

In: 50.877+/-0.007 χ^2/NDF:3467193.4/41

Out: 51.510+/-0.007 χ^2/NDF:5584835.1/49

All: 51.202+/-0.005 χ^2/NDF: 9056032.9/91

asym_sam_37_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -341.291+/-227.672 χ^2/NDF: 22.9/18

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: 592.365+/-216.820 χ^2/NDF: 19.6/24

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

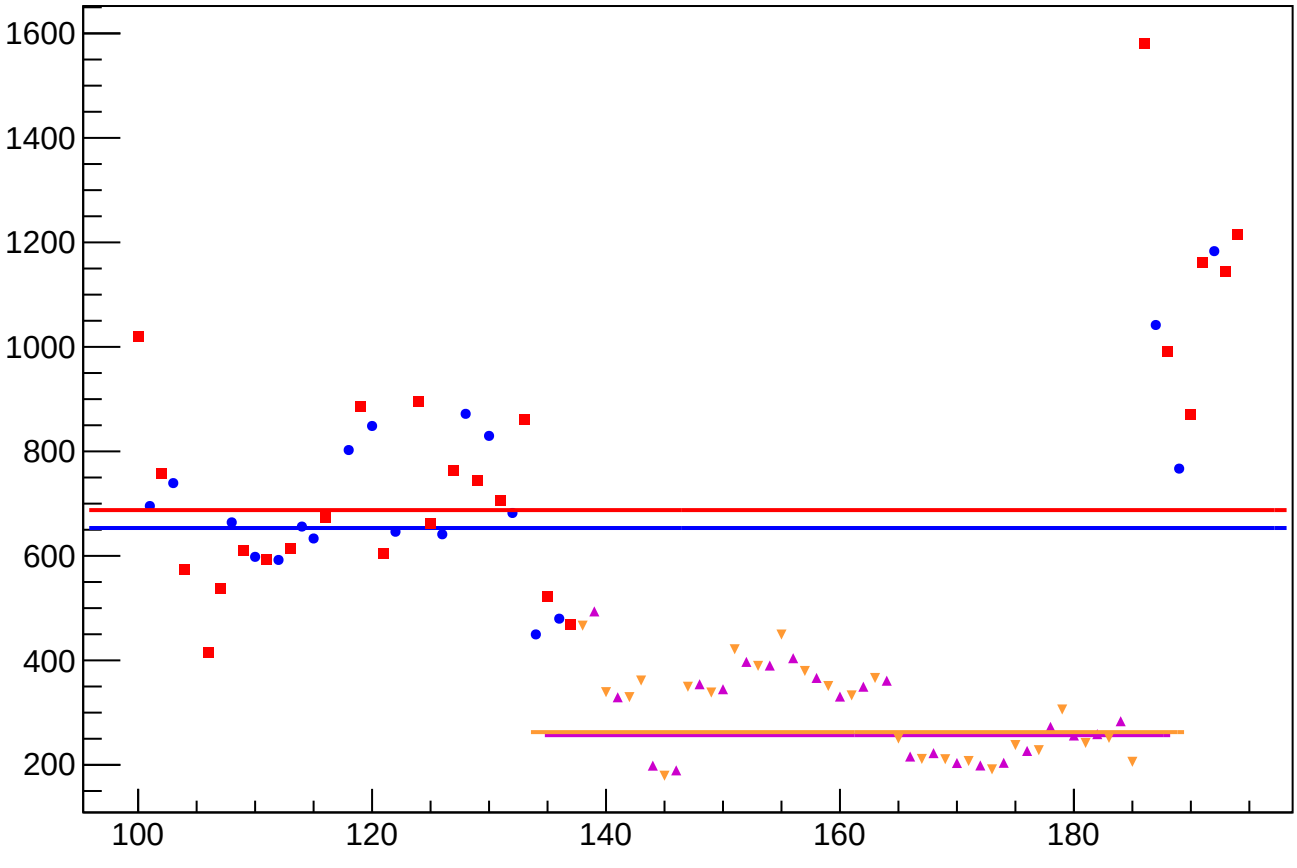
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 148.317+/-157.011 χ^2/NDF: 51.4/43

In: 3.105+/-60.423 χ^2/NDF:49.8/41

Out: -205.095+/-59.918 χ^2/NDF:108.2/49

All: -101.869+/-42.546 χ^2/NDF: 163.9/91



Right In: 653.335+/-0.161 χ^2/NDF: 1060549.6/18

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 687.627+/-0.153 χ^2/NDF: 1882563.1/24

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

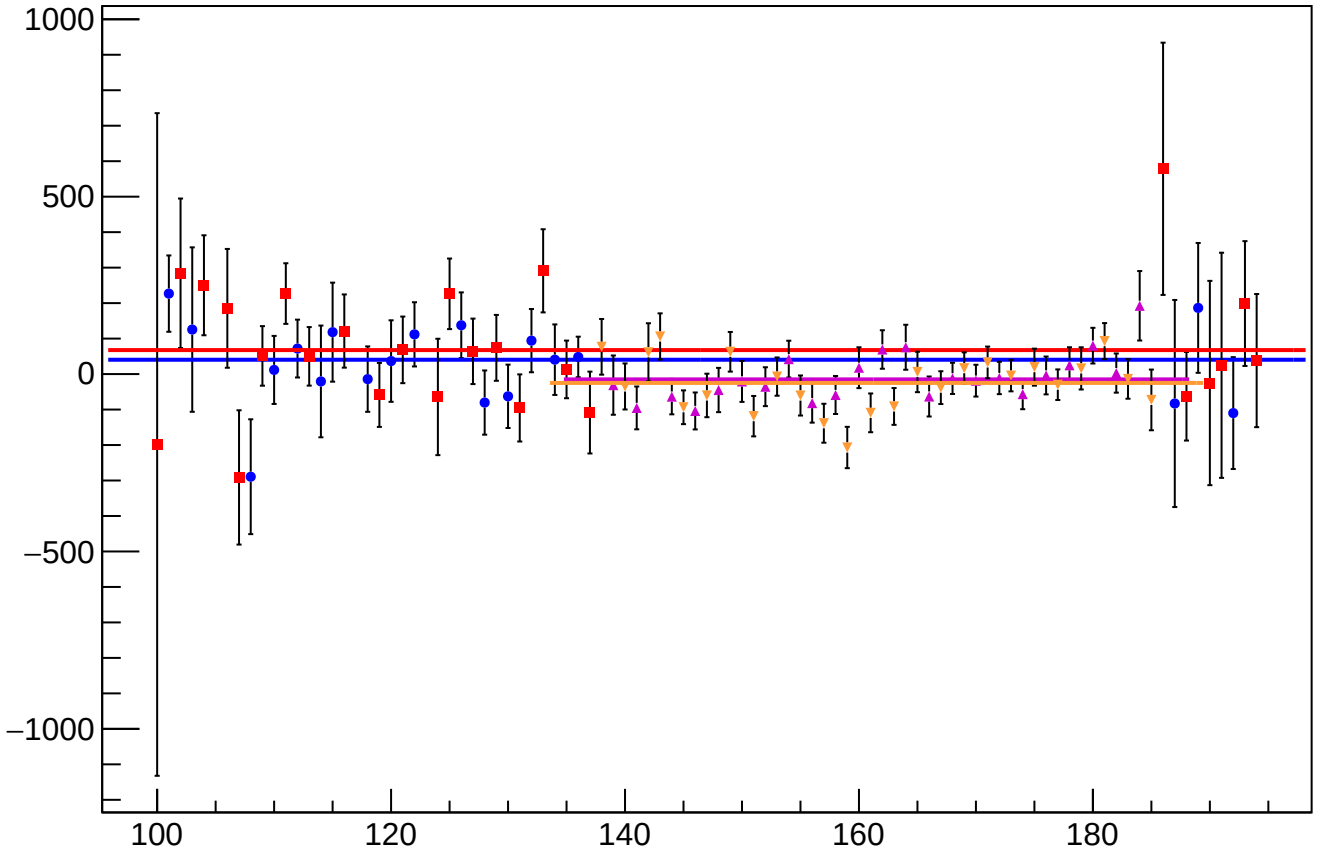
Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

Right: 671.317+/-0.111 χ^2/NDF: 2966907.0/43

In: 284.769+/-0.043 χ^2/NDF:9338219.8/41

Out: 295.132+/-0.042 χ^2/NDF:11871625.7/49

All: 289.994+/-0.030 χ^2/NDF: 21239503.2/91



Right In: 40.377+/-23.647 χ^2/NDF: 15.3/18

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 67.607+/-23.365 χ^2/NDF: 29.1/24

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

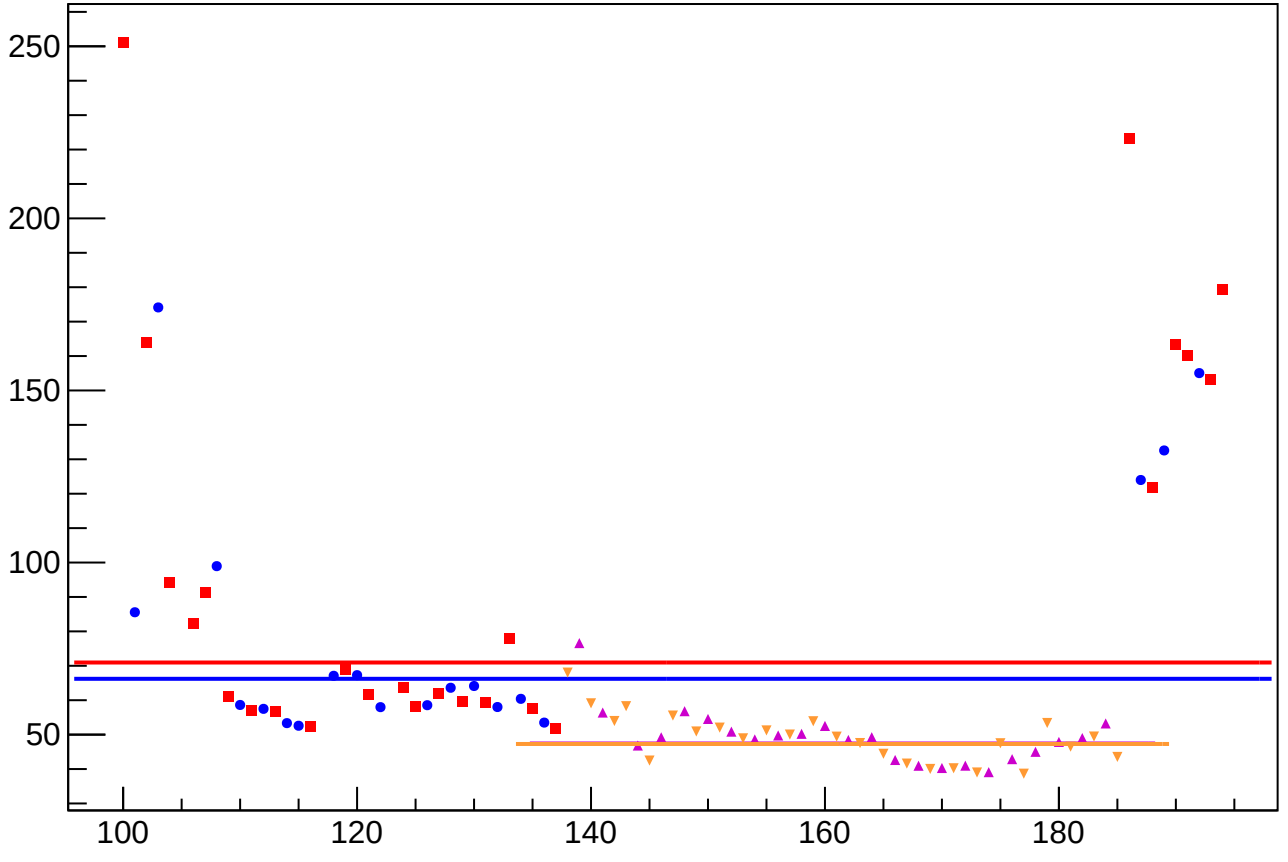
Right: 54.155+/-16.620 χ^2/NDF: 45.1/43

In: -4.820+/-10.135 χ^2/NDF:44.5/41

Out: -8.467+/-9.869 χ^2/NDF:85.1/49

All: -6.692+/-7.071 χ^2/NDF: 129.7/91

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 66.218+/-0.017 χ^2/NDF: 1780300.4/18

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 70.954+/-0.017 χ^2/NDF: 3176399.0/24

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

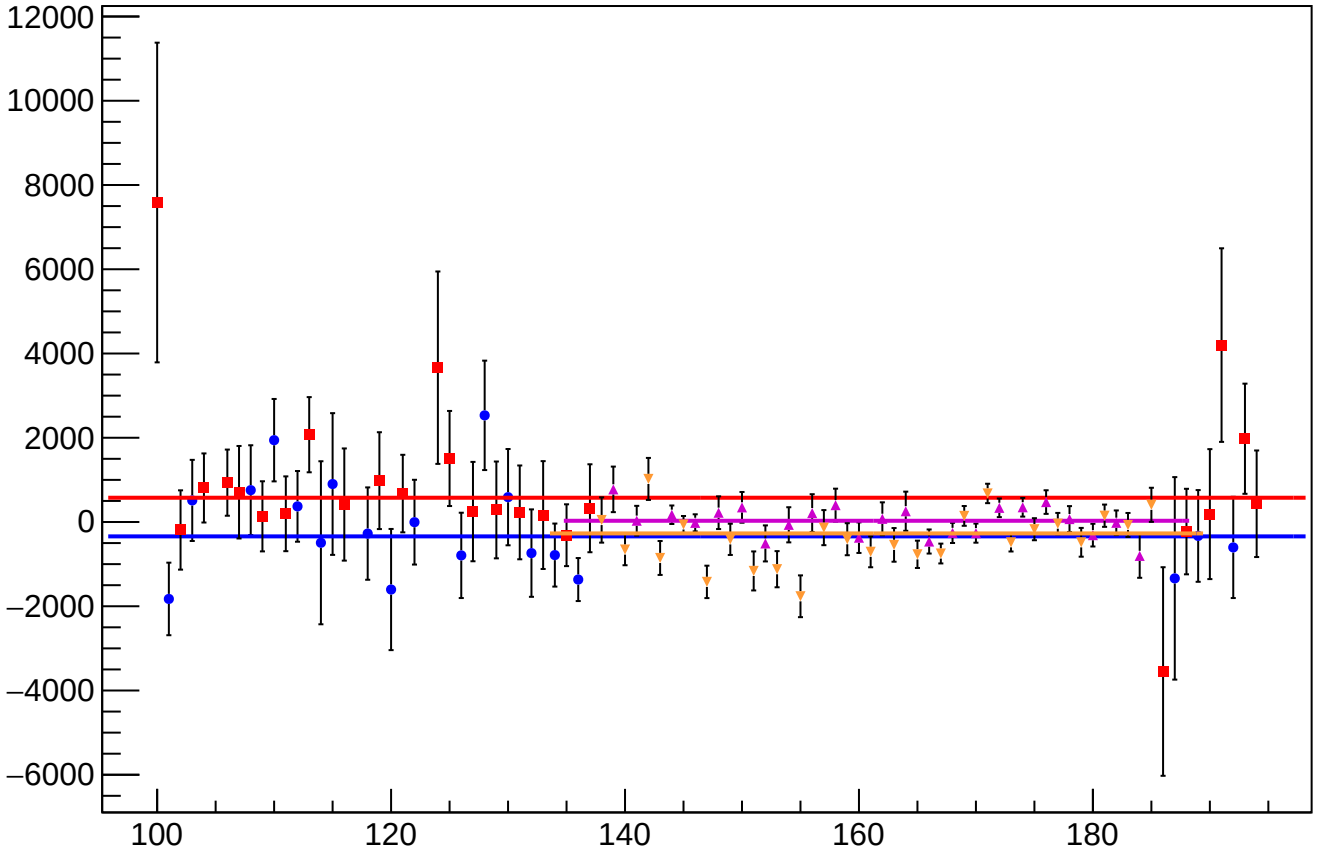
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 68.614+/-0.012 χ^2/NDF: 4997291.2/43

In: 50.877+/-0.007 χ^2/NDF:3467195.1/41

Out: 51.506+/-0.007 χ^2/NDF:5580054.7/49

All: 51.200+/-0.005 χ^2/NDF: 9051201.5/91



Right In: -341.289+/-227.673 χ^2/NDF: 22.9/18

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 576.277+/-217.169 χ^2/NDF: 19.3/24

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

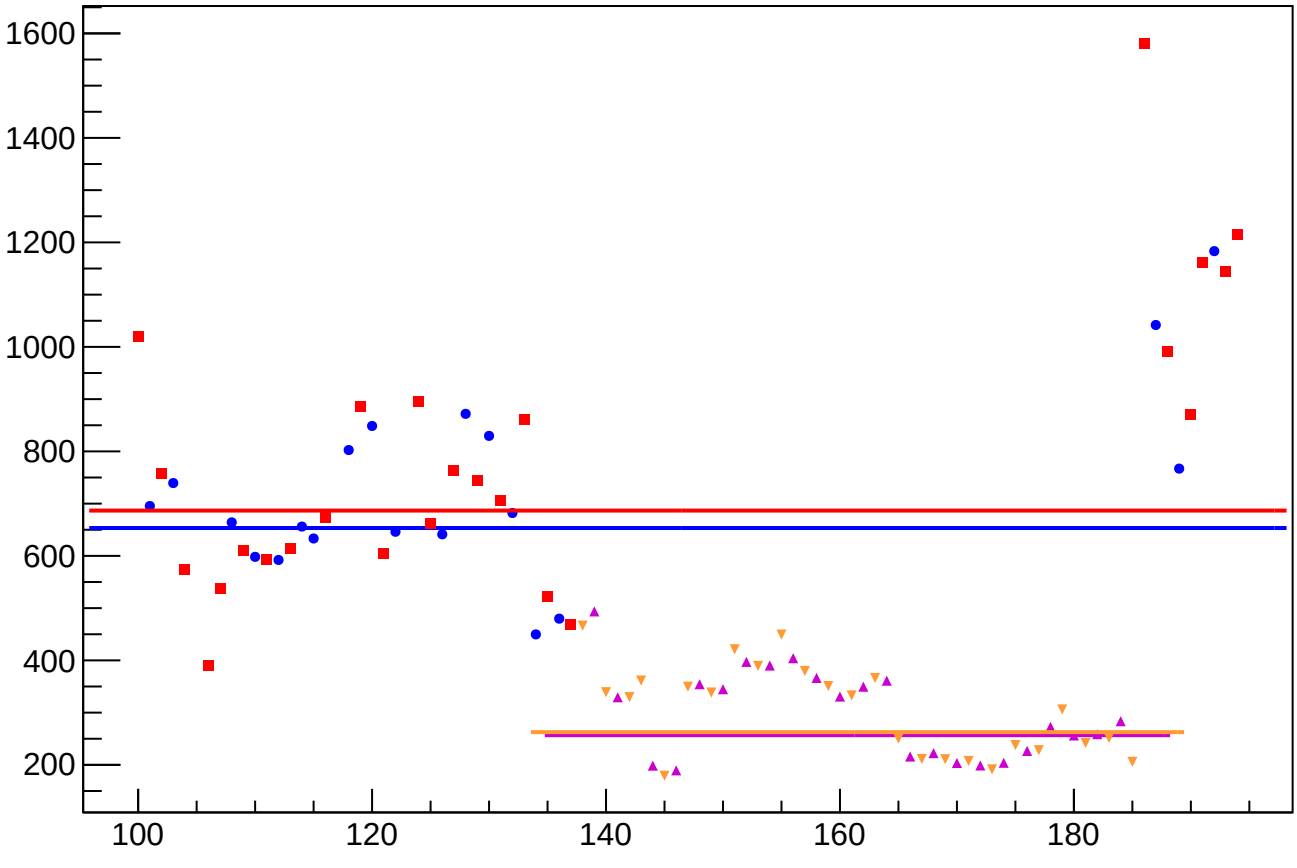
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 139.149+/-157.144 χ^2/NDF: 50.7/43

In: 3.107+/-60.423 χ^2/NDF:49.8/41

Out: -206.511+/-59.925 χ^2/NDF:107.3/49

All: -102.569+/-42.549 χ^2/NDF: 163.1/91



Right In: 653.338+/-0.161 χ^2/NDF: 1060575.5/18

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 686.718+/-0.154 χ^2/NDF: 1916172.8/24

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

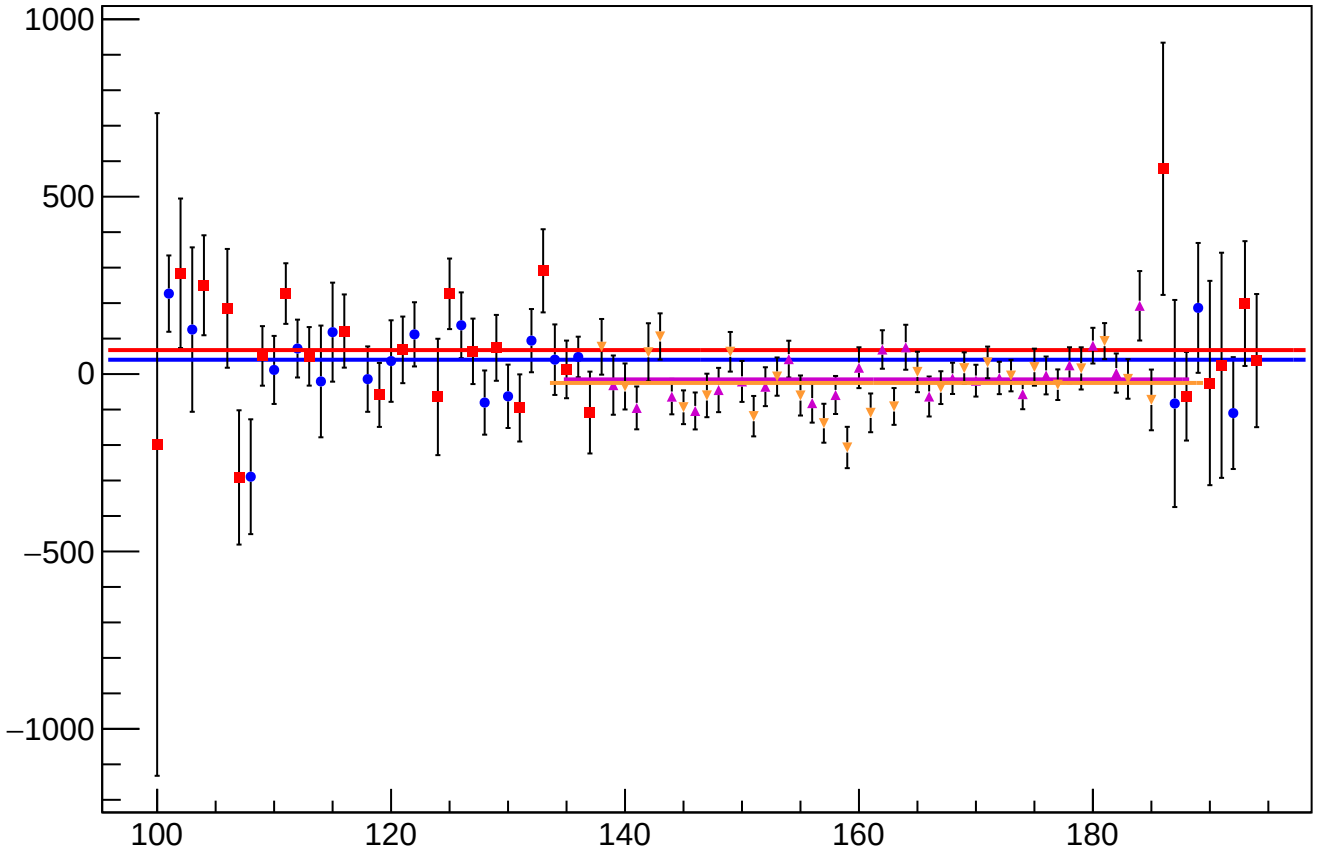
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 670.816+/-0.111 χ^2/NDF: 2999258.7/43

In: 284.769+/-0.043 χ^2/NDF:9338264.5/41

Out: 294.966+/-0.042 χ^2/NDF:11853953.4/49

All: 289.910+/-0.030 χ^2/NDF: 21220932.3/91



Right In: 40.377+/-23.647 χ^2/NDF: 15.3/18

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 67.607+/-23.365 χ^2/NDF: 29.1/24

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

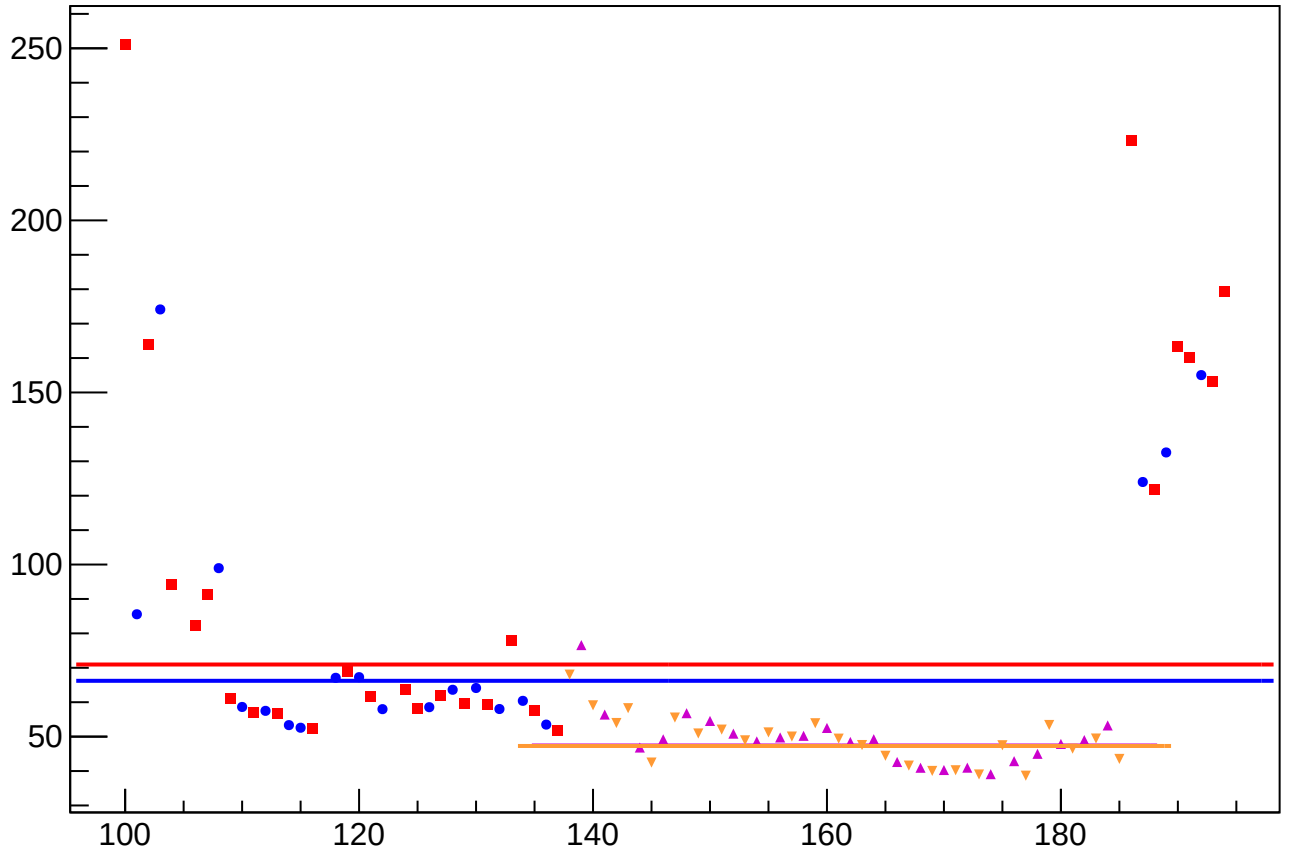
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 54.155+/-16.620 χ^2/NDF: 45.1/43

In: -4.820+/-10.135 χ^2/NDF:44.5/41

Out: -8.467+/-9.869 χ^2/NDF:85.1/49

All: -6.692+/-7.071 χ^2/NDF: 129.7/91



Right In: 66.218+/-0.017 χ^2/NDF: 1780300.4/18

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 70.954+/-0.017 χ^2/NDF: 3176399.0/24

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

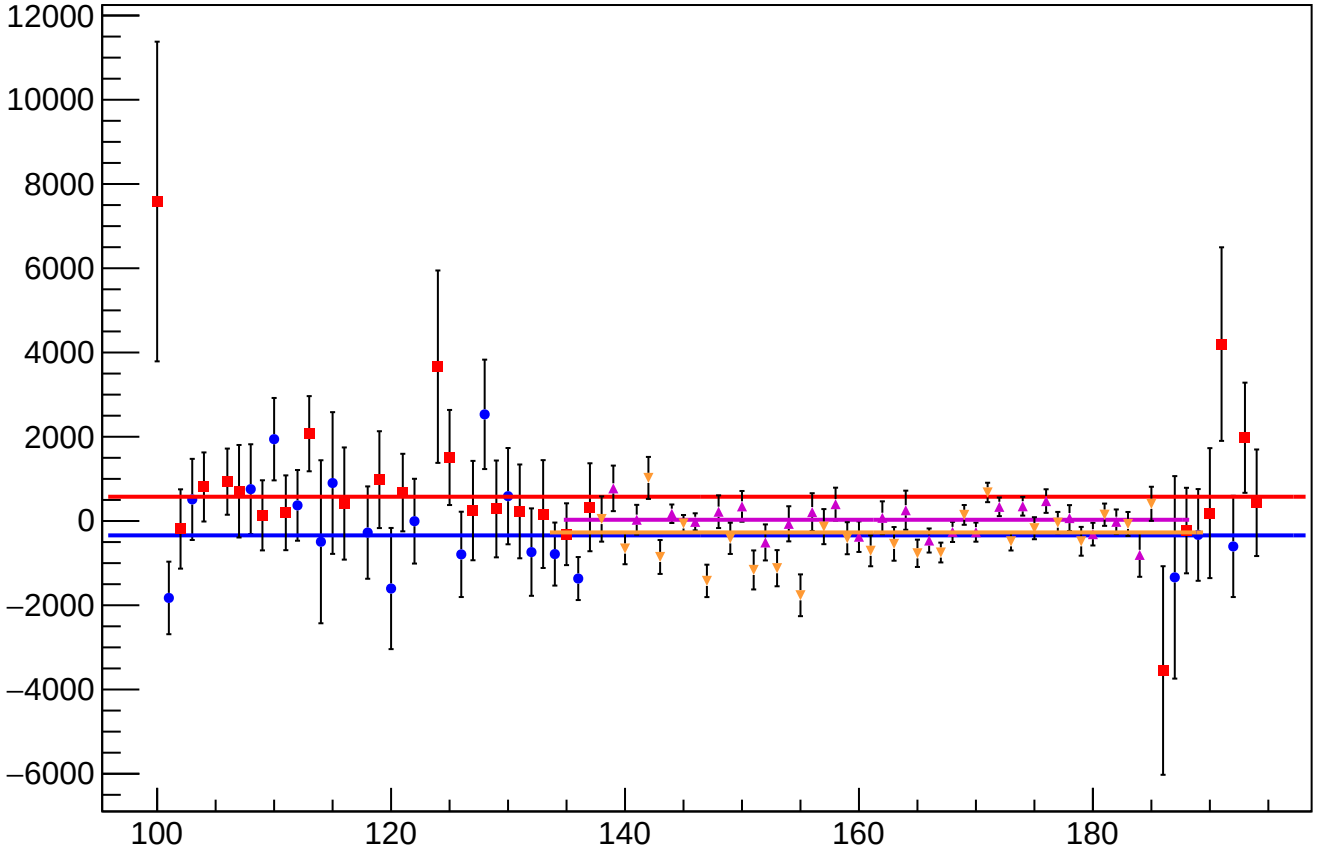
Right: 68.614+/-0.012 χ^2/NDF: 4997291.2/43

In: 50.877+/-0.007 χ^2/NDF:3467195.1/41

Out: 51.506+/-0.007 χ^2/NDF:5580054.7/49

All: 51.200+/-0.005 χ^2/NDF: 9051201.5/91

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -341.289+/-227.673 χ^2/NDF: 22.9/18

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 576.277+/-217.169 χ^2/NDF: 19.3/24

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

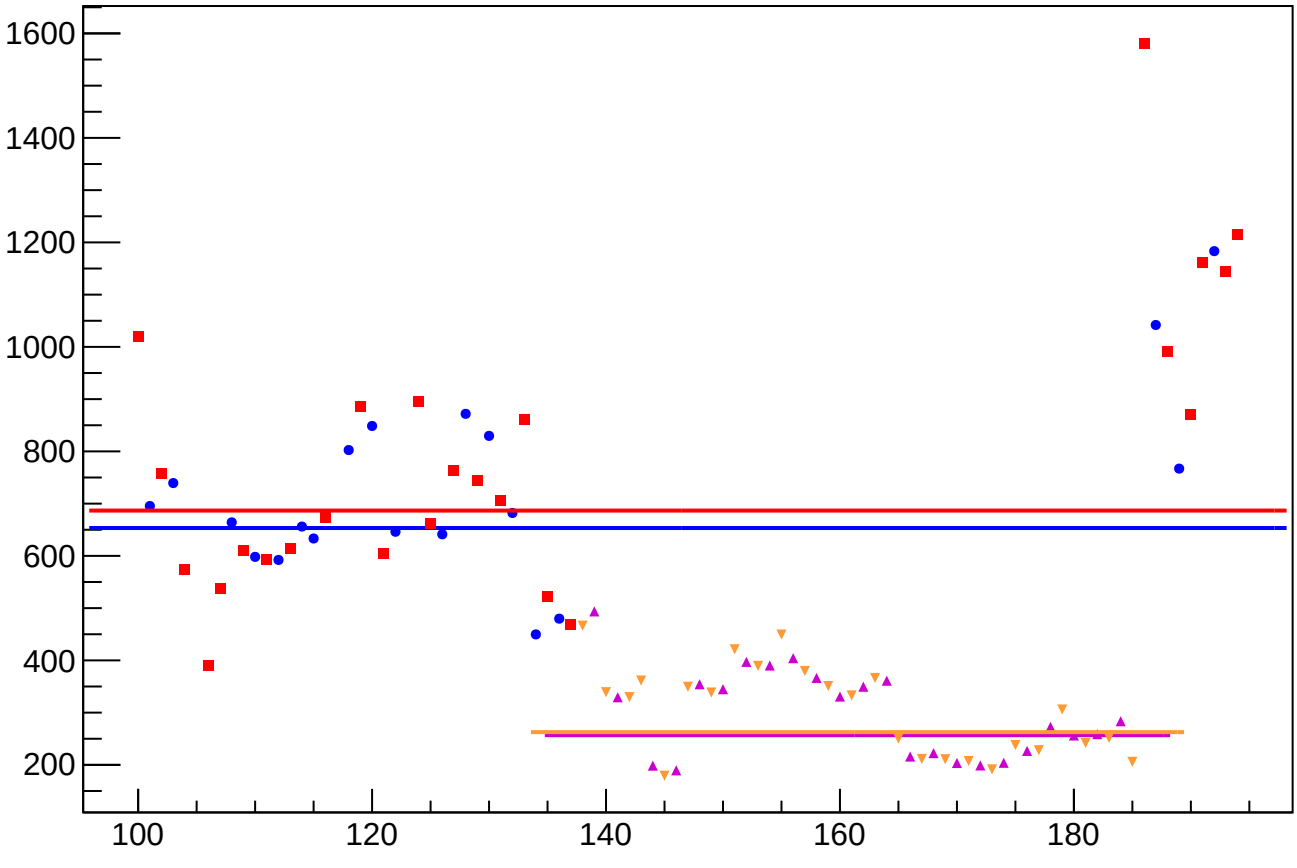
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 139.149+/-157.144 χ^2/NDF: 50.7/43

In: 3.107+/-60.423 χ^2/NDF:49.8/41

Out: -206.511+/-59.925 χ^2/NDF:107.3/49

All: -102.569+/-42.549 χ^2/NDF: 163.1/91



Right In: 653.338+/-0.161 χ^2/NDF: 1060575.5/18

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 686.718+/-0.154 χ^2/NDF: 1916172.8/24

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

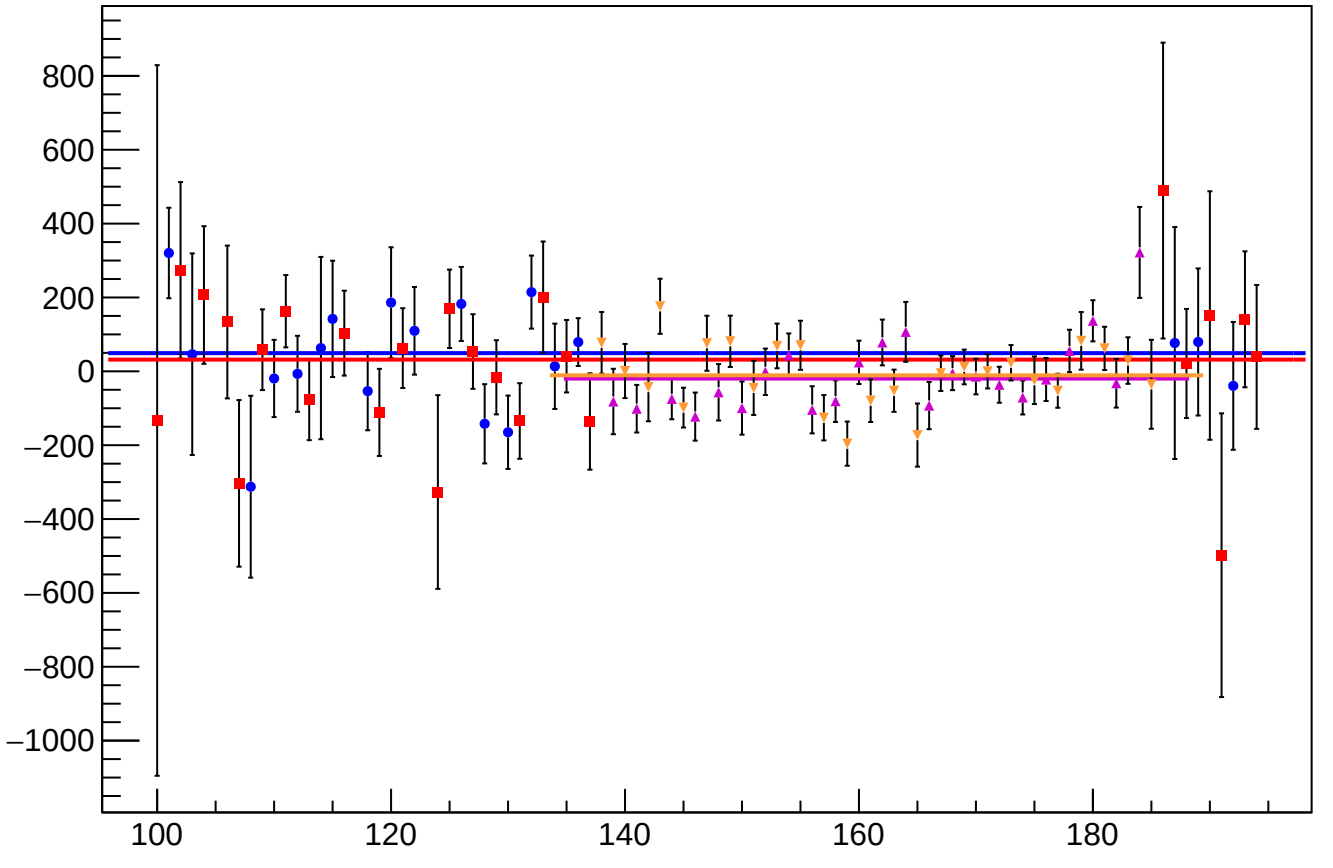
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 670.816+/-0.111 χ^2/NDF: 2999258.7/43

In: 284.769+/-0.043 χ^2/NDF:9338264.5/41

Out: 294.966+/-0.042 χ^2/NDF:11853953.4/49

All: 289.910+/-0.030 χ^2/NDF: 21220932.3/91



Right In: 49.302+/-27.567 χ^2/NDF: 23.2/18

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: 31.752+/-27.524 χ^2/NDF: 22.2/24

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

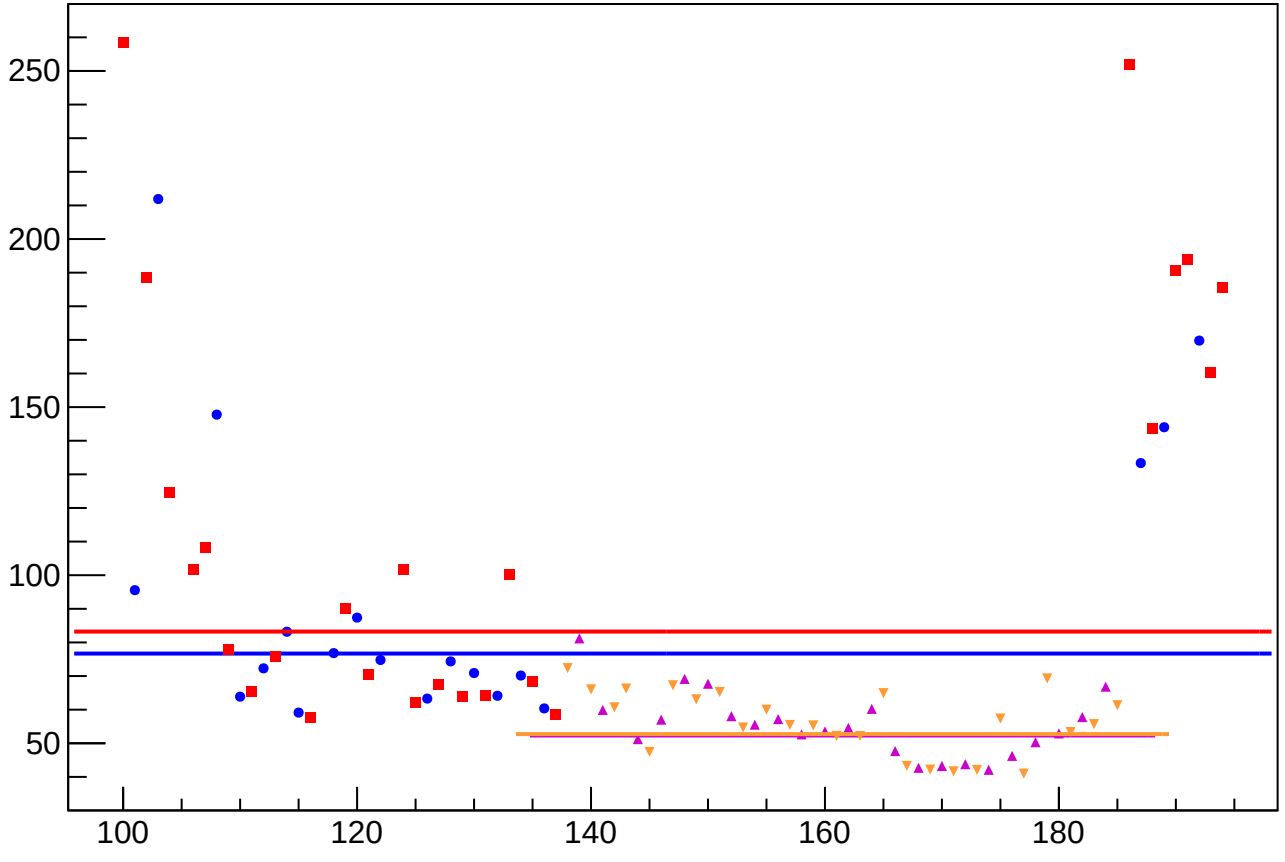
Right: 40.513+/-19.477 χ^2/NDF: 45.6/43

In: -7.776+/-11.419 χ^2/NDF:65.1/41

Out: -3.730+/-11.234 χ^2/NDF:64.6/49

All: -5.720+/-8.008 χ^2/NDF: 129.8/91

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 76.690+/-0.019 χ^2/NDF: 1856611.6/18

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 83.229+/-0.019 χ^2/NDF: 3197462.5/24

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

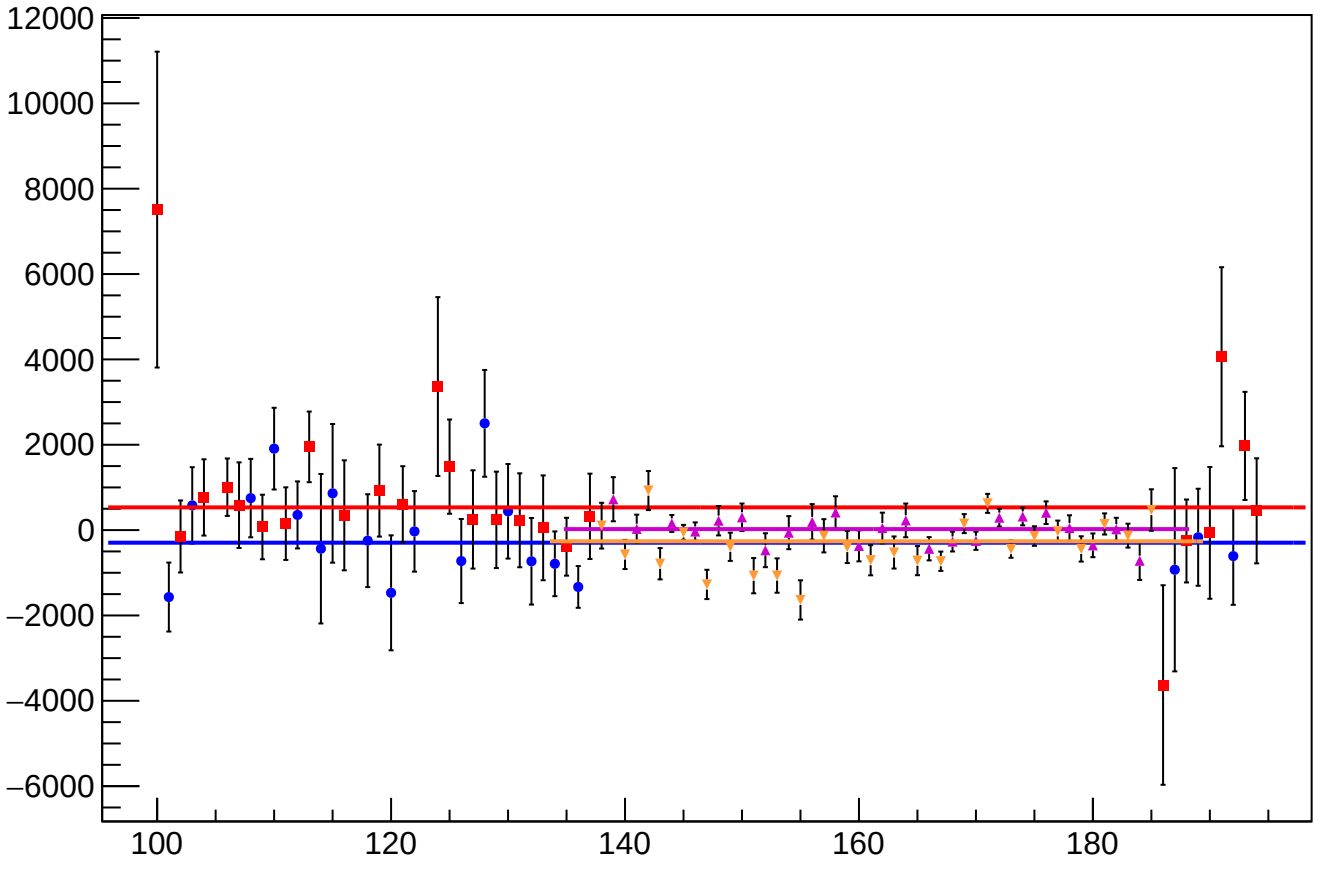
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 79.965+/-0.014 χ^2/NDF: 5110423.4/43

In: 56.496+/-0.008 χ^2/NDF:4043959.8/41

Out: 57.812+/-0.008 χ^2/NDF:6411155.1/49

All: 57.165+/-0.006 χ^2/NDF: 10468606.6/91



Right In: -295.209+/-218.273 χ^2/NDF: 23.0/18

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 532.305+/-205.565 χ^2/NDF: 21.4/24

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

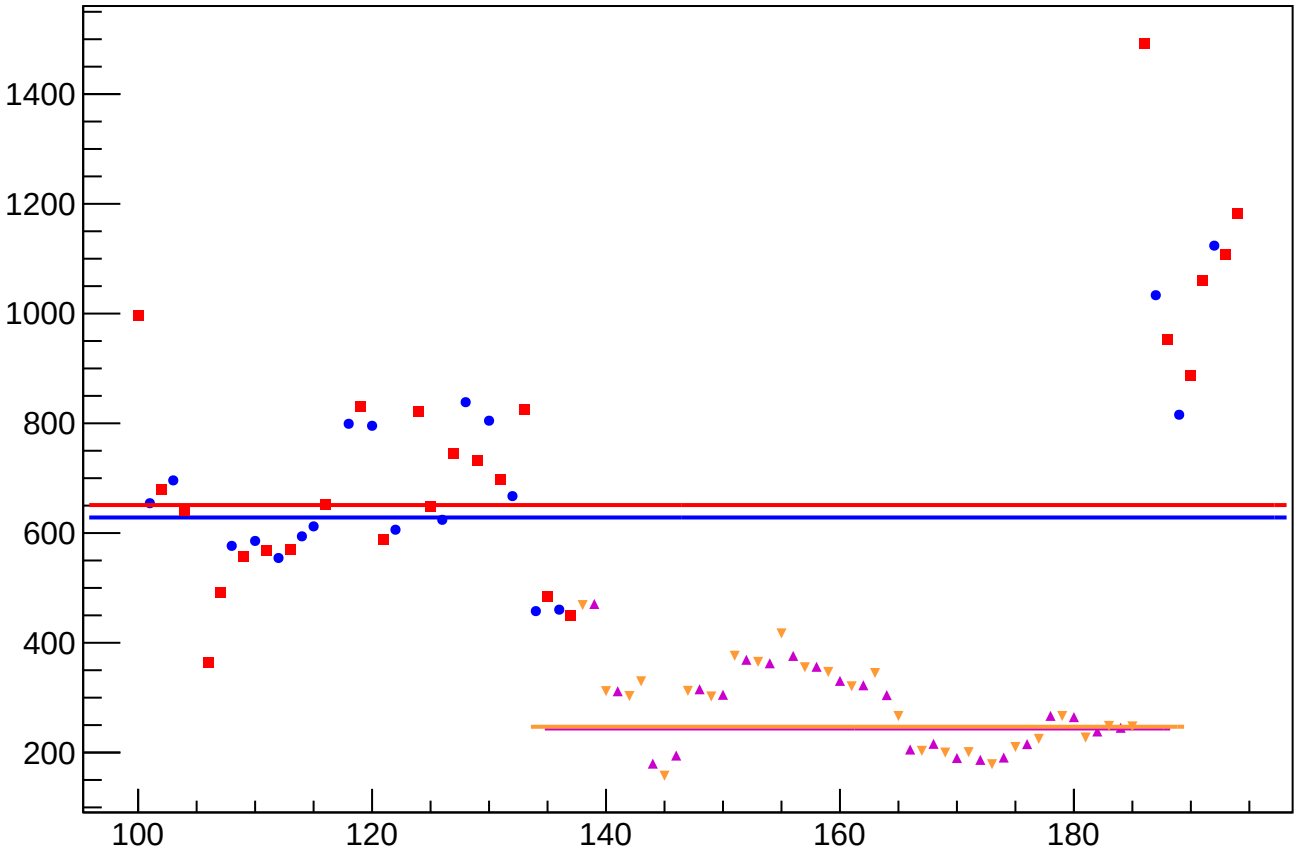
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 143.337+/-149.647 χ^2/NDF: 51.9/43

In: 1.498+/-57.313 χ^2/NDF:49.1/41

Out: -203.027+/-56.267 χ^2/NDF:107.4/49

All: -102.648+/-40.151 χ^2/NDF: 163.0/91



Right In: 628.381+/-0.154 χ^2/NDF: 1059367.1/18

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 651.018+/-0.145 χ^2/NDF: 2060910.3/24

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

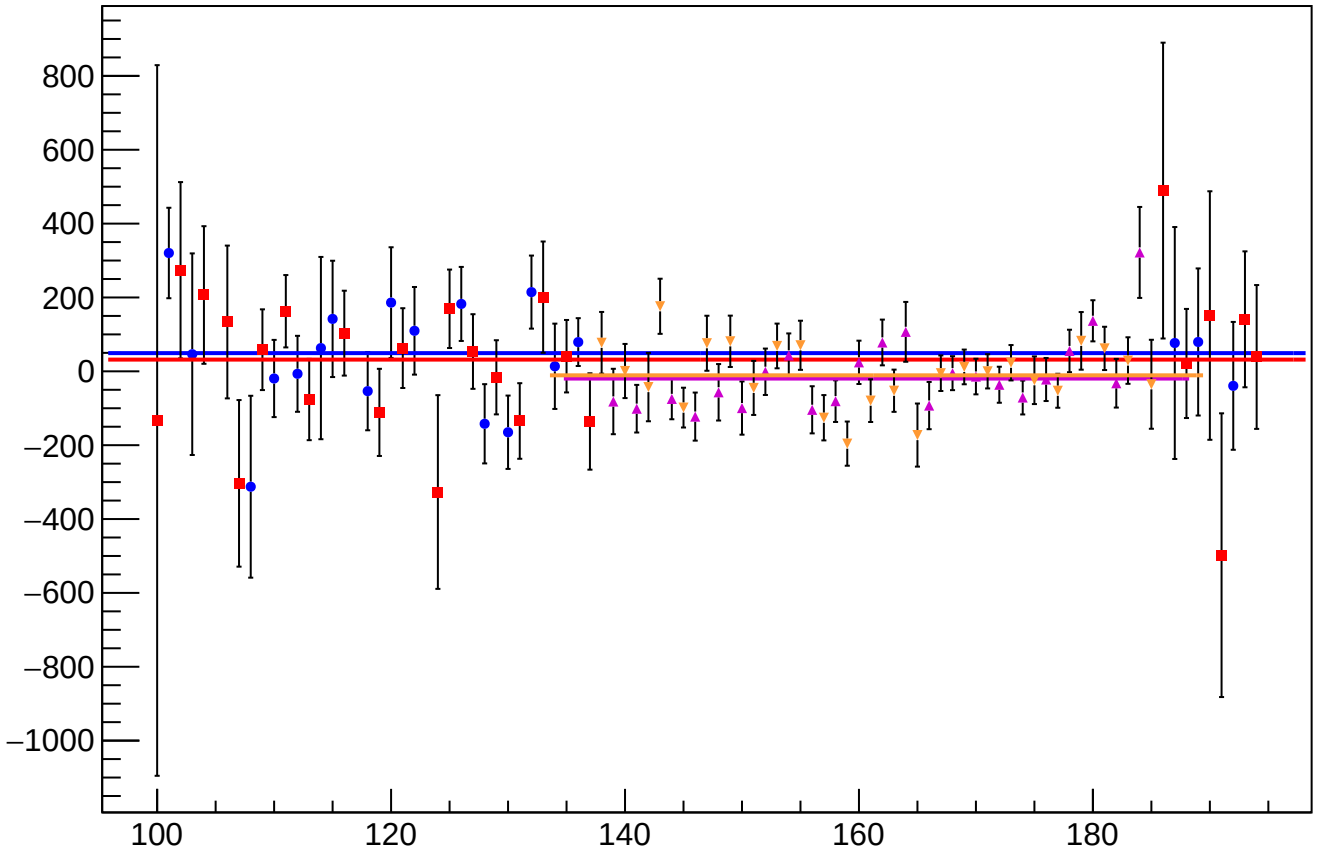
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 640.378+/-0.106 χ^2/NDF: 3131678.3/43

In: 270.338+/-0.041 χ^2/NDF:9329872.9/41

Out: 277.265+/-0.040 χ^2/NDF:12133610.0/49

All: 273.866+/-0.028 χ^2/NDF: 21478361.5/91



Right In: 49.302+/-27.567 χ^2/NDF: 23.2/18

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: 31.751+/-27.524 χ^2/NDF: 22.2/24

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

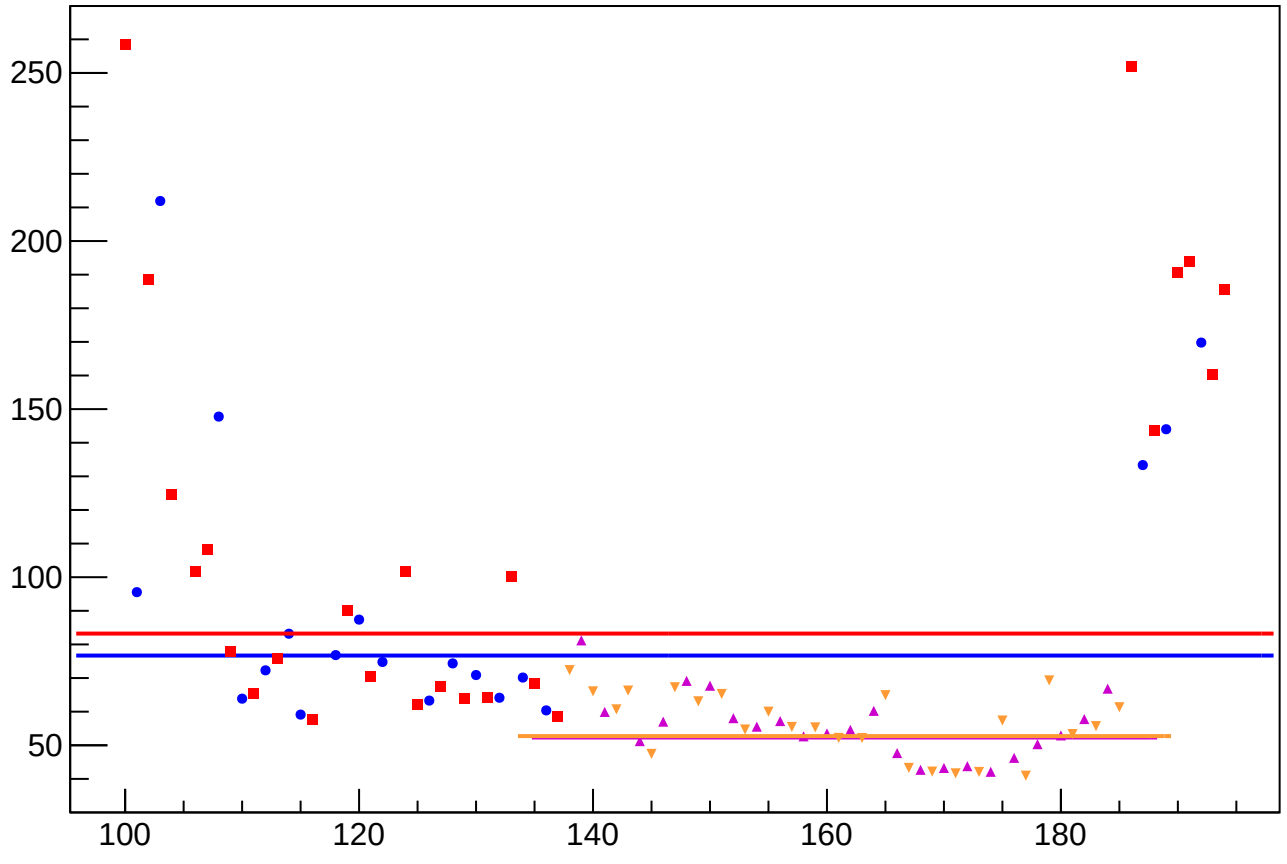
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 40.513+/-19.477 χ^2/NDF: 45.6/43

In: -7.776+/-11.419 χ^2/NDF:65.1/41

Out: -3.729+/-11.234 χ^2/NDF:64.6/49

All: -5.720+/-8.008 χ^2/NDF: 129.8/91



Right In: 76.690+/-0.019 χ^2/NDF: 1856625.5/18

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

Right Out: 83.229+/-0.019 χ^2/NDF: 3197464.5/24

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

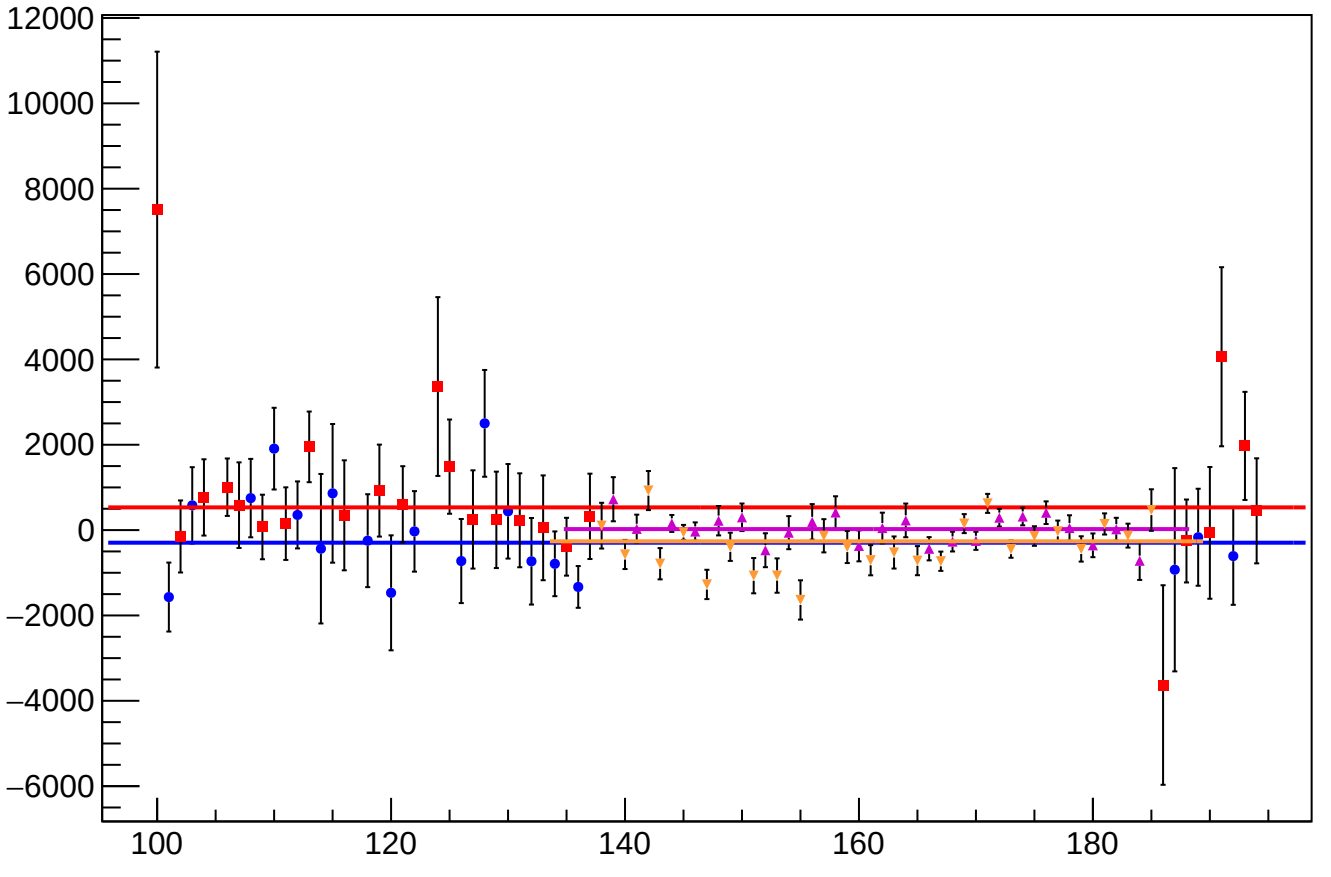
Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

Right: 79.965+/-0.014 χ^2/NDF: 5110440.7/43

In: 56.496+/-0.008 χ^2/NDF:4043962.5/41

Out: 57.812+/-0.008 χ^2/NDF:6411166.5/49

All: 57.165+/-0.006 χ^2/NDF: 10468621.0/91



Right In: -295.209+/-218.273 χ^2/NDF: 23.0/18

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 532.305+/-205.564 χ^2/NDF: 21.4/24

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

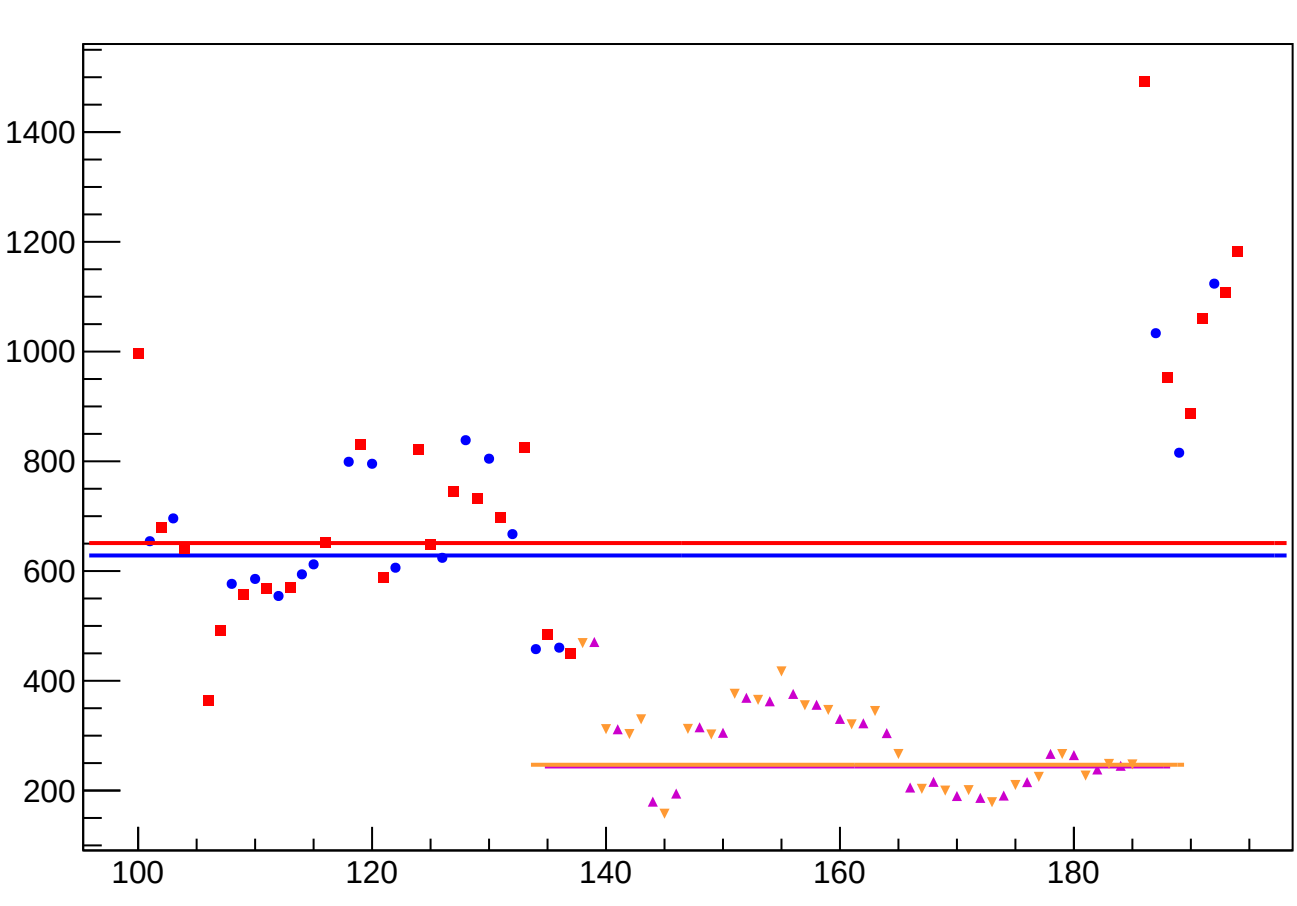
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 143.338+/-149.647 χ^2/NDF: 51.9/43

In: 1.498+/-57.313 χ^2/NDF:49.1/41

Out: -203.028+/-56.267 χ^2/NDF:107.4/49

All: -102.648+/-40.151 χ^2/NDF: 163.0/91



Right In: 628.381+/-0.154 χ^2/NDF: 1059361.2/18

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 651.018+/-0.145 χ^2/NDF: 2060902.3/24

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

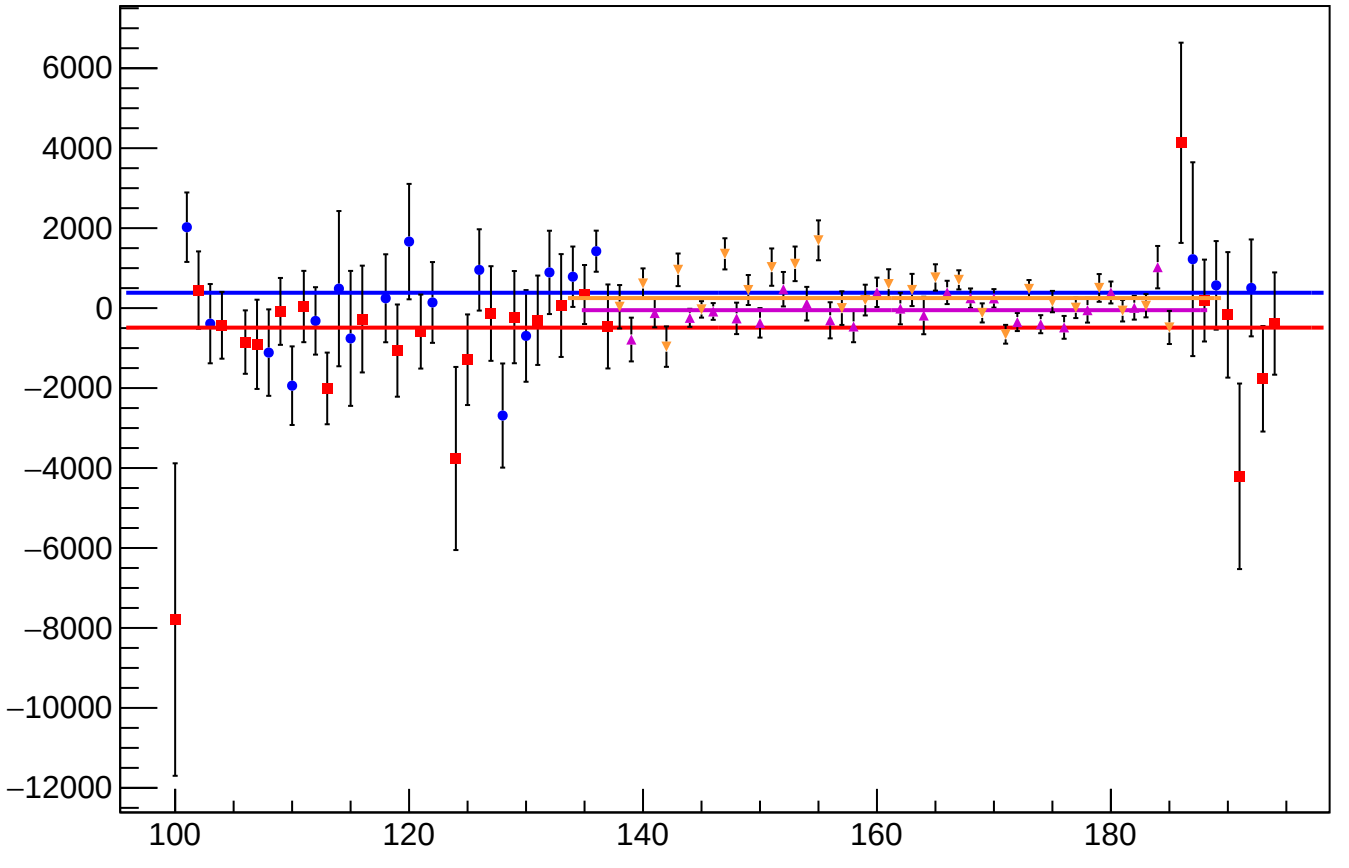
Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

Right: 640.378+/-0.106 χ^2/NDF: 3131663.8/43

In: 270.338+/-0.041 χ^2/NDF:9329872.5/41

Out: 277.265+/-0.040 χ^2/NDF:12133590.5/49

All: 273.865+/-0.028 χ^2/NDF: 21478342.2/91



Right In: 384.102+/-229.518 χ^2/NDF: 25.2/18

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: -488.302+/-219.051 χ^2/NDF: 20.1/24

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

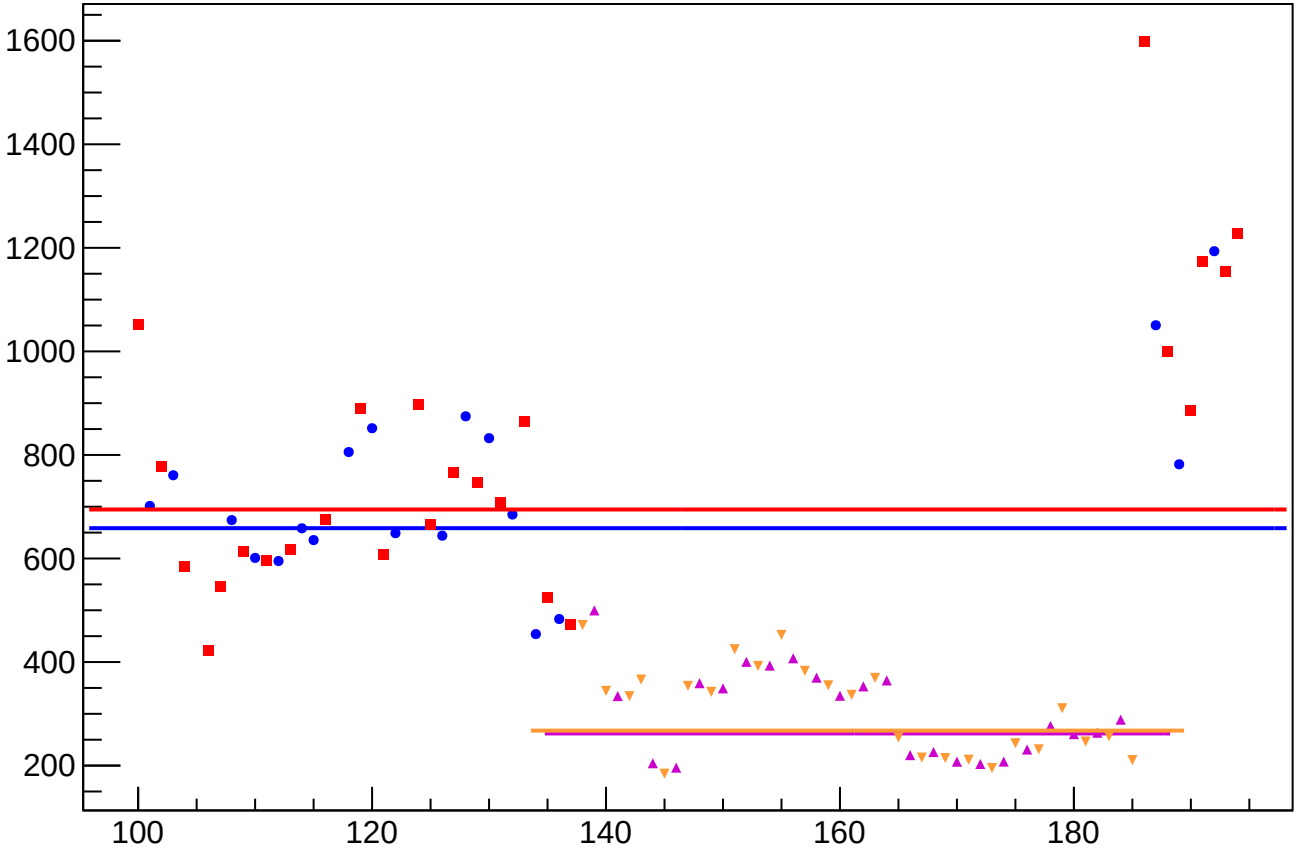
Right: -72.445+/-158.464 χ^2/NDF: 52.9/43

In: -20.408+/-61.508 χ^2/NDF:55.4/41

Out: 193.918+/-60.921 χ^2/NDF:98.1/49

All: 87.781+/-43.284 χ^2/NDF: 159.7/91

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 658.580+/-0.162 χ^2/NDF: 1066071.2/18

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

Right Out: 694.632+/-0.155 χ^2/NDF: 1872425.4/24

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

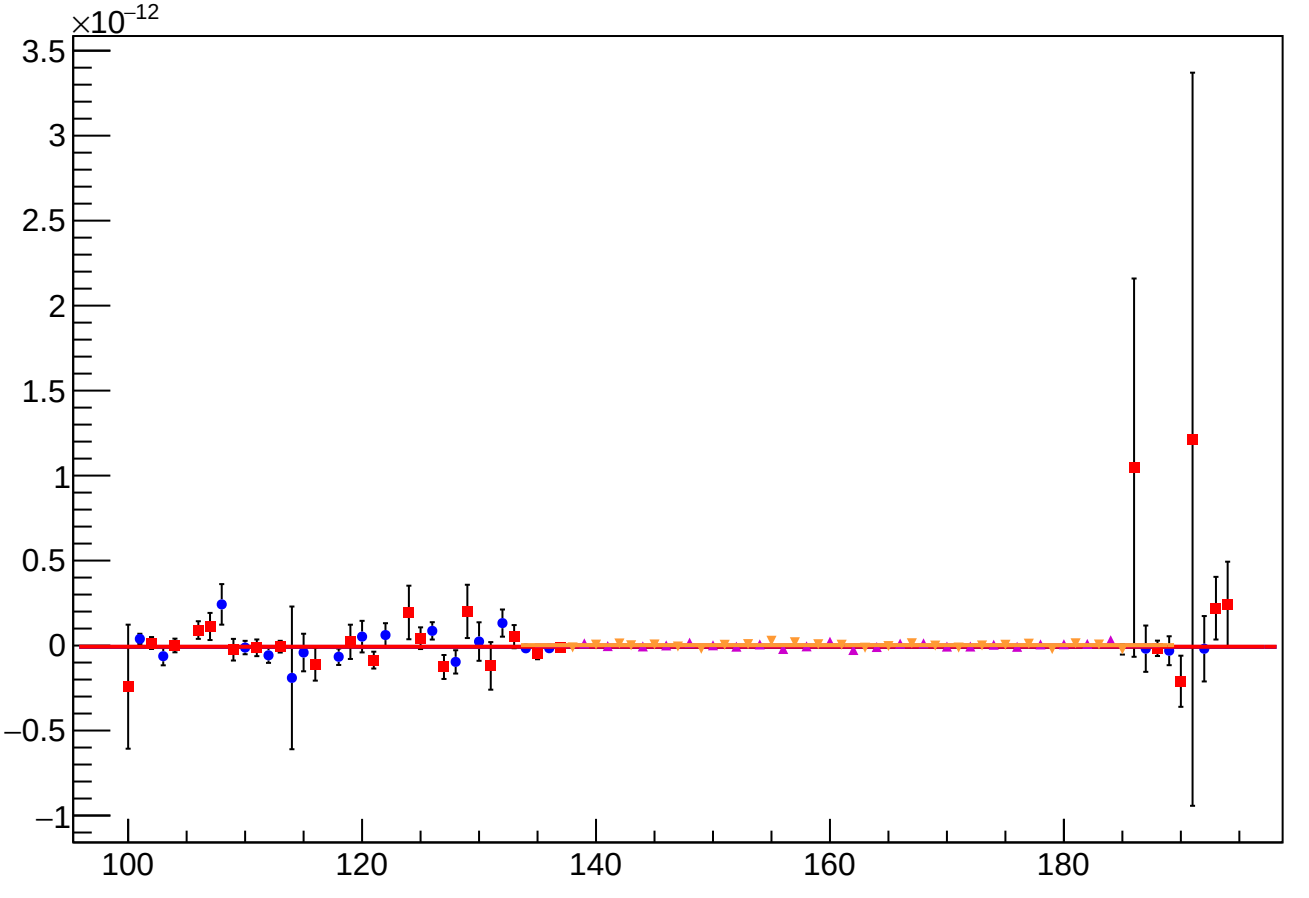
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 677.447+/-0.112 χ^2/NDF: 2964321.2/43

In: 290.567+/-0.043 χ^2/NDF:9143279.6/41

Out: 300.620+/-0.043 χ^2/NDF:11687140.4/49

All: 295.642+/-0.031 χ^2/NDF: 20857388.8/91



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/24

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

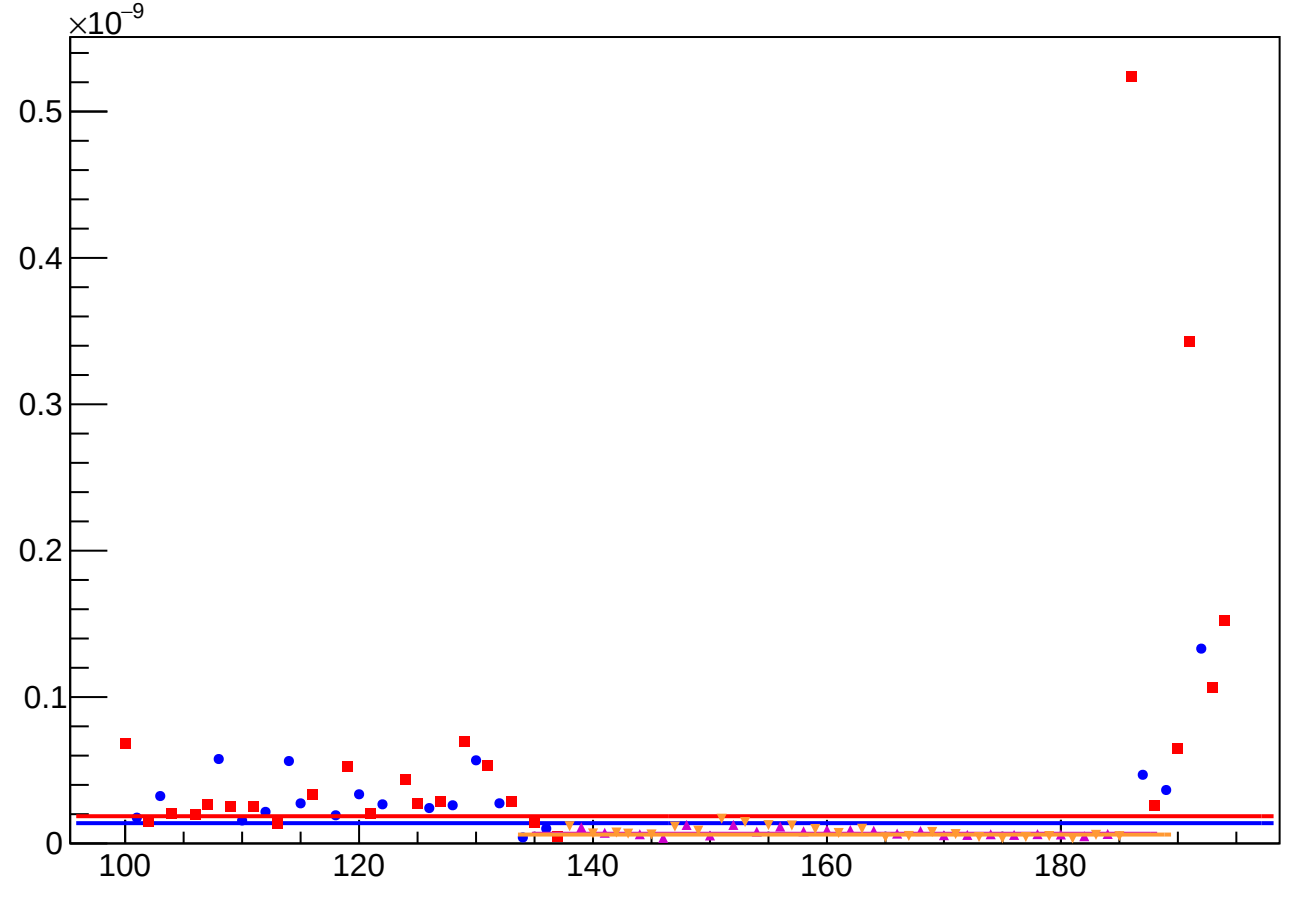
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 46.6/43

In: 0.000+/-0.000 χ^2/NDF:34.2/41

Out: 0.000+/-0.000 χ^2/NDF:41.5/49

All: 0.000+/-0.000 χ^2/NDF: 75.9/91



Right In: 0.000+/-0.000 χ^2/NDF: 3121867.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3410641.7/24

Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

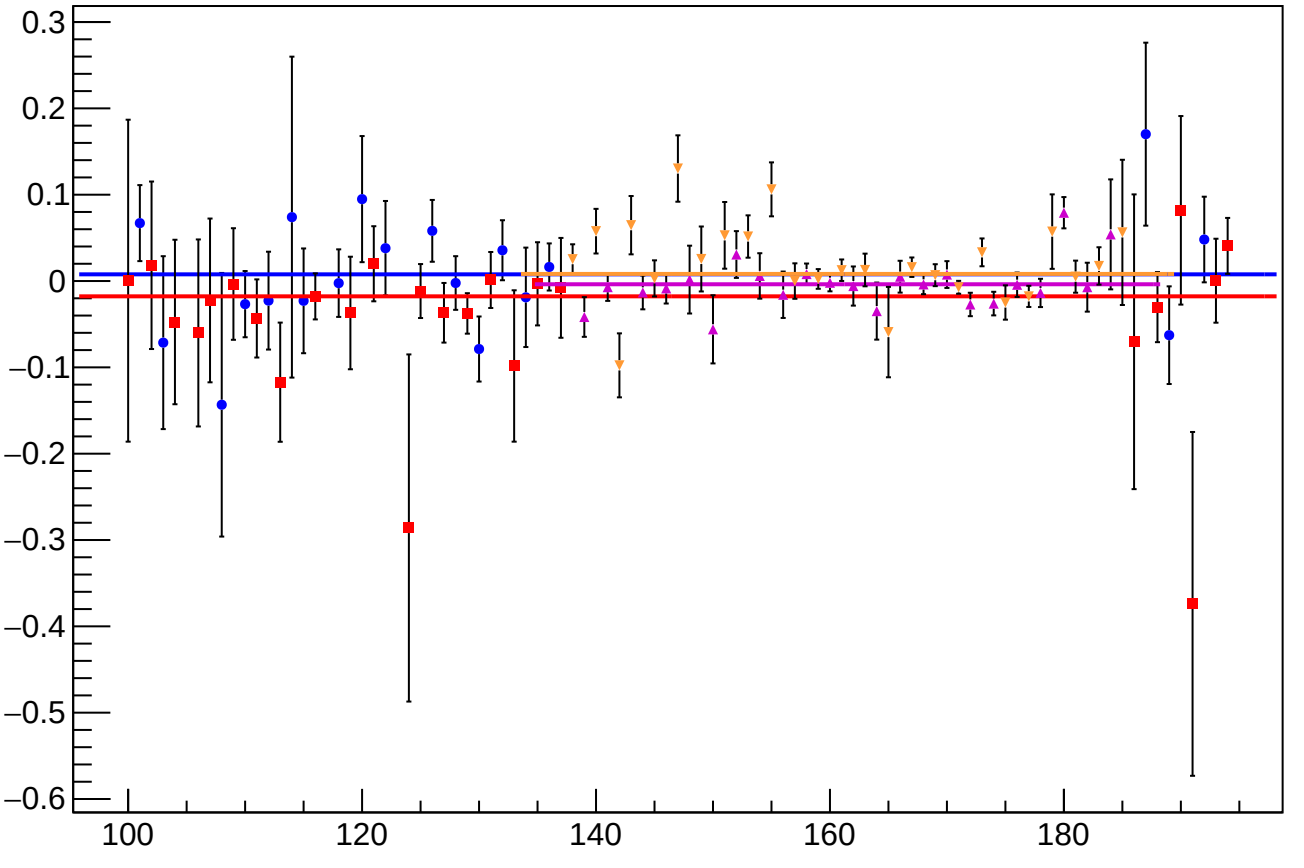
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 6747131.2/43

In: 0.000+/-0.000 χ^2/NDF:5420883.7/41

Out: 0.000+/-0.000 χ^2/NDF:8249094.8/49

All: 0.000+/-0.000 χ^2/NDF: 13714668.7/91



Right In: 0.008+/-0.011 χ^2/NDF: 19.6/18

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.018+/-0.009 χ^2/NDF: 15.5/24

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

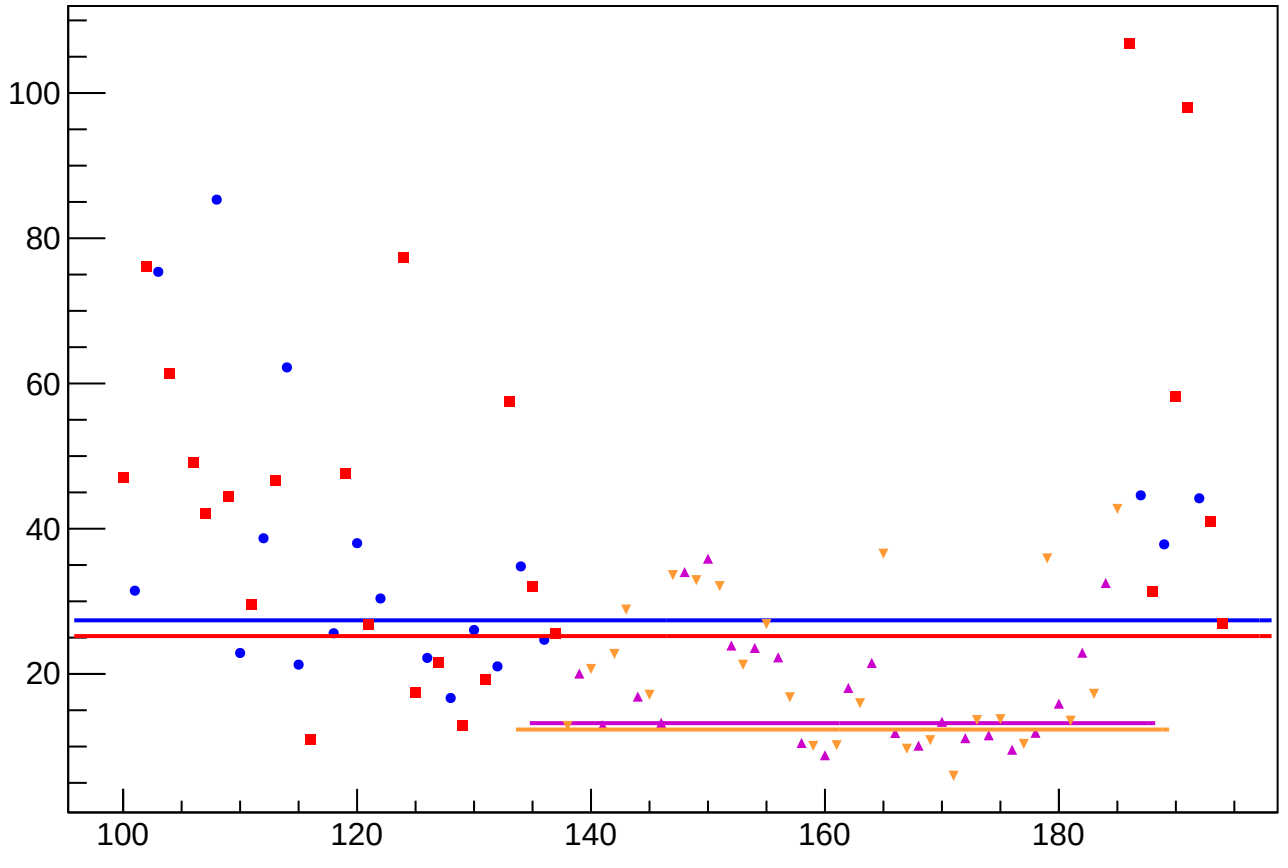
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.006+/-0.007 χ^2/NDF: 38.2/43

In: -0.003+/-0.003 χ^2/NDF:57.8/41

Out: 0.005+/-0.003 χ^2/NDF:80.9/49

All: 0.002+/-0.002 χ^2/NDF: 141.4/91



Right In: 27.382+/-0.007 χ^2/NDF: 1765787.8/18

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 25.212+/-0.007 χ^2/NDF: 4612273.6/24

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

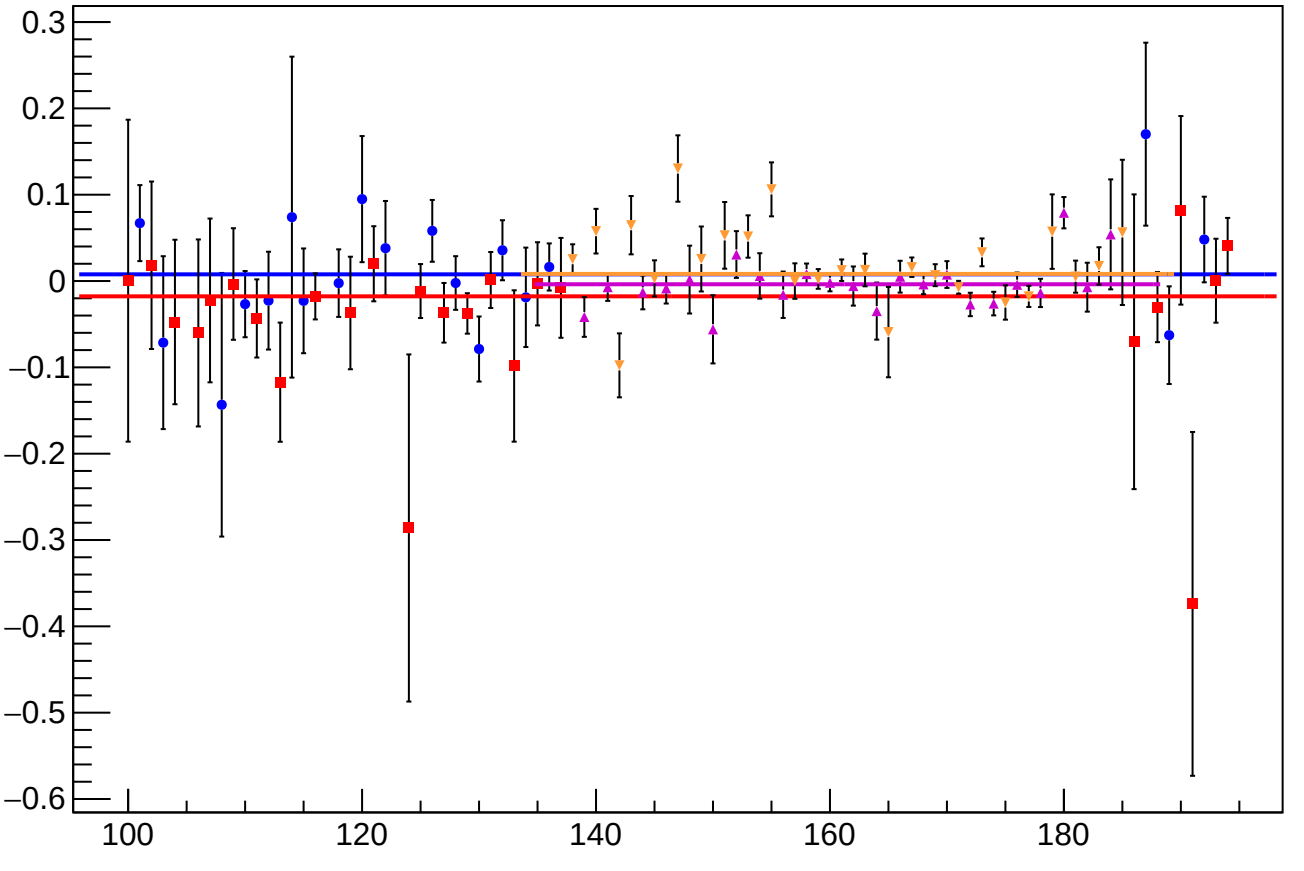
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 26.175+/-0.005 χ^2/NDF: 6424852.5/43

In: 14.717+/-0.002 χ^2/NDF:8836604.3/41

Out: 13.859+/-0.002 χ^2/NDF:14626742.6/49

All: 14.263+/-0.002 χ^2/NDF: 23529321.4/91



Right In: 0.008+/-0.011 χ^2/NDF: 19.6/18

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.018+/-0.009 χ^2/NDF: 15.5/24

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

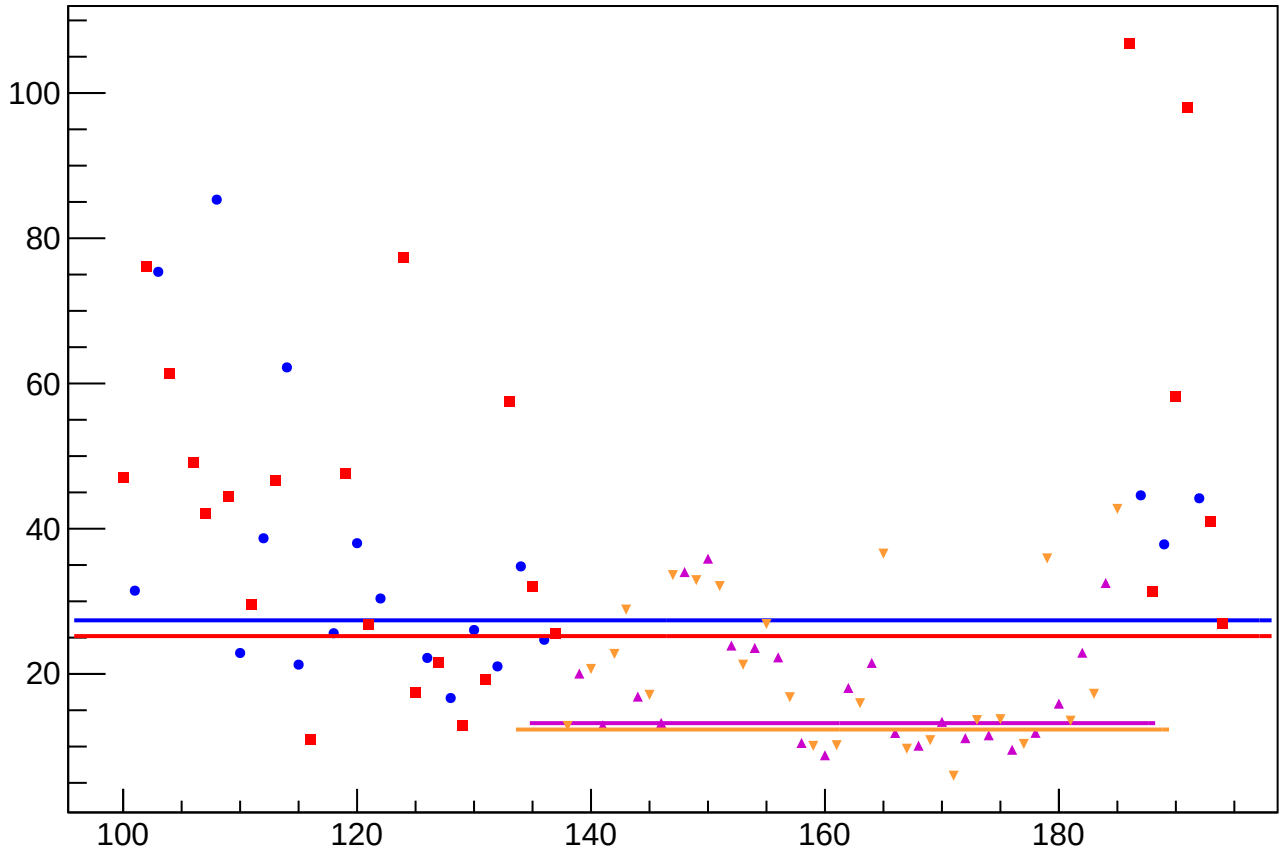
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.006+/-0.007 χ^2/NDF: 38.2/43

In: -0.003+/-0.003 χ^2/NDF:57.8/41

Out: 0.005+/-0.003 χ^2/NDF:80.9/49

All: 0.002+/-0.002 χ^2/NDF: 141.4/91



Right In: 27.382+/-0.007 χ^2/NDF: 1765787.8/18

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 25.212+/-0.007 χ^2/NDF: 4612273.6/24

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

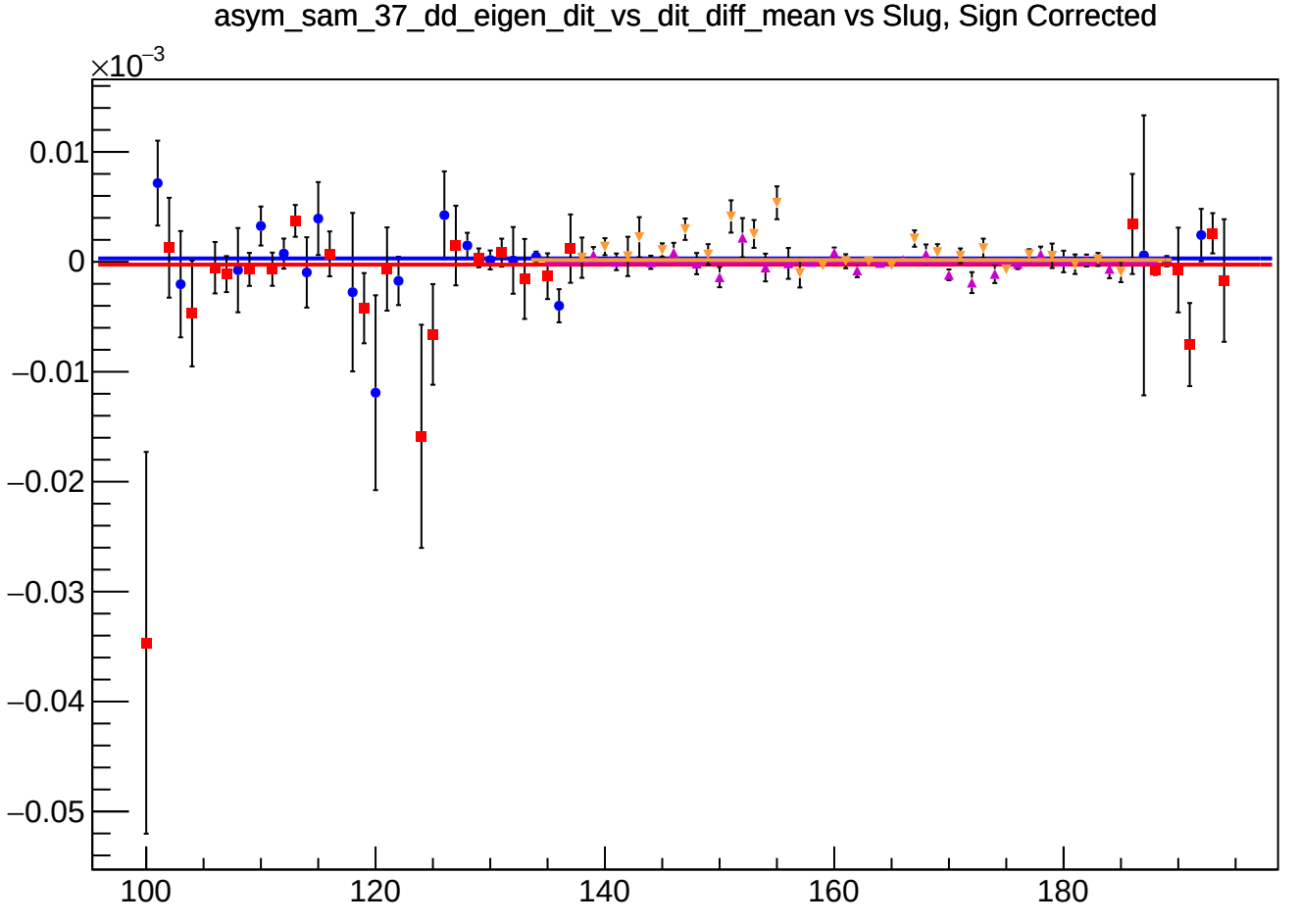
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 26.175+/-0.005 χ^2/NDF: 6424852.5/43

In: 14.717+/-0.002 χ^2/NDF:8836604.3/41

Out: 13.859+/-0.002 χ^2/NDF:14626742.6/49

All: 14.263+/-0.002 χ^2/NDF: 23529321.4/91



Right In: 0.000+/-0.000 χ^2/NDF: 22.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.9/24

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 88.8/47

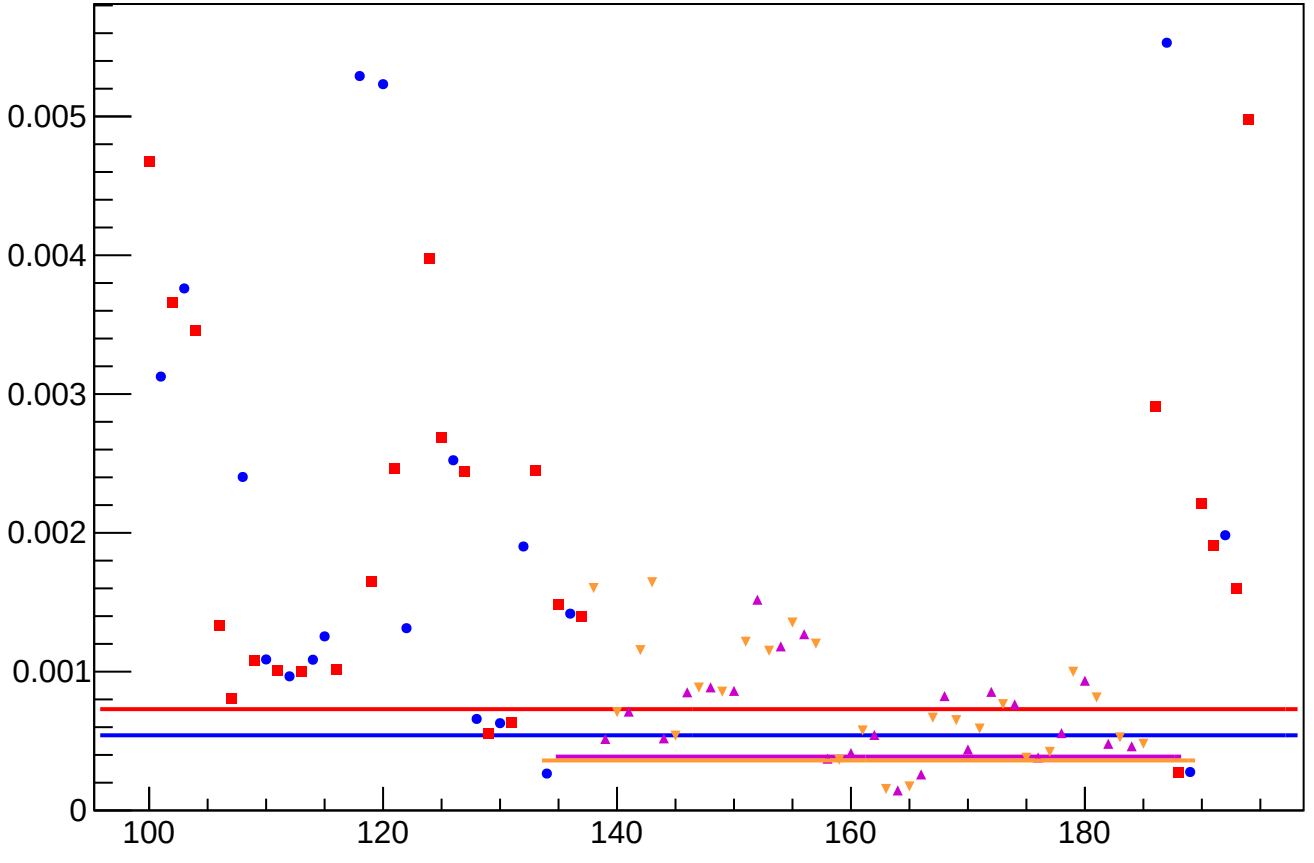
Right: 0.000+/-0.000 χ^2/NDF: 52.7/43

In: -0.000+/-0.000 χ^2/NDF:48.3/41

Out: 0.000+/-0.000 χ^2/NDF:92.0/49

All: 0.000+/-0.000 χ^2/NDF: 141.5/91

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 8421277.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8999126.3/24

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

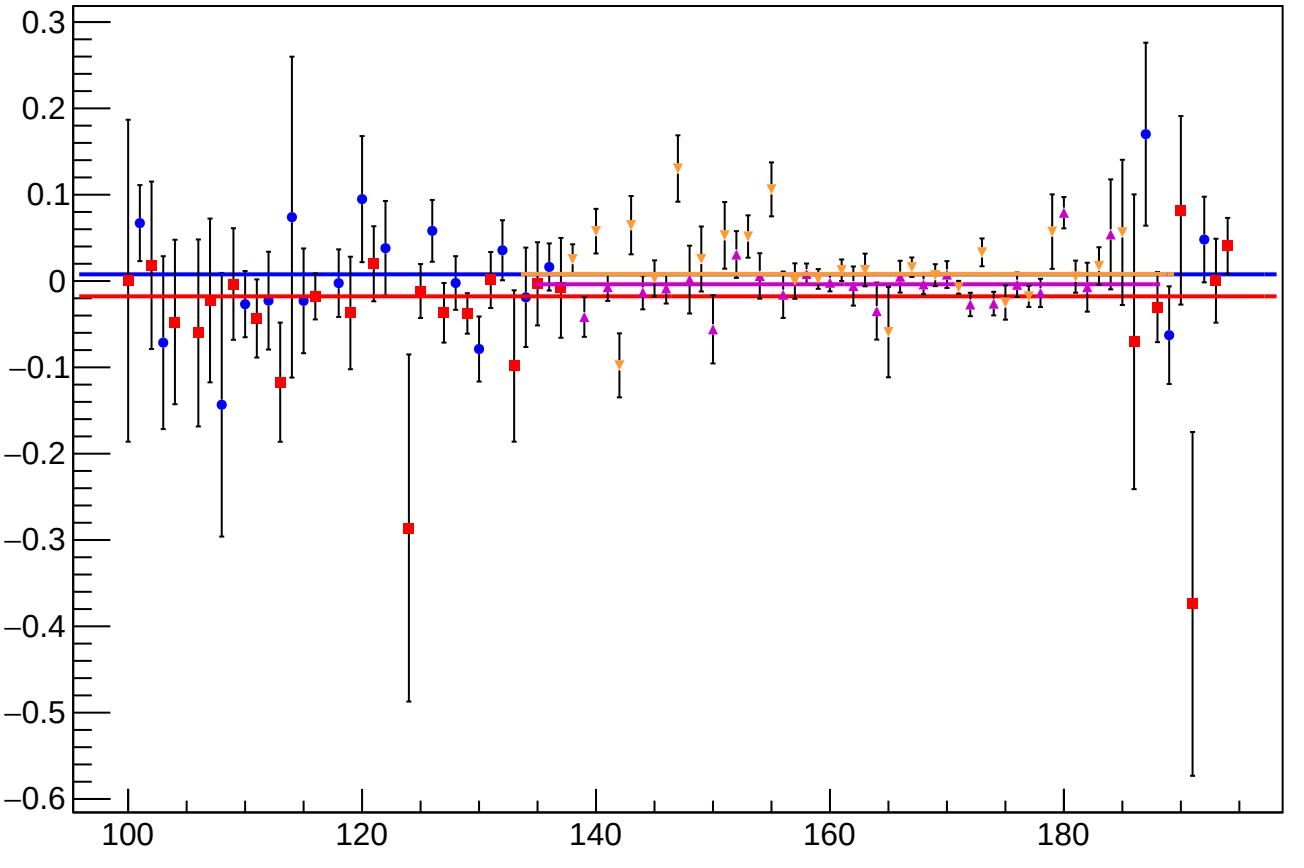
Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

Right: 0.001+/-0.000 χ^2/NDF: 17826523.8/43

In: 0.000+/-0.000 χ^2/NDF:19416071.7/41

Out: 0.000+/-0.000 χ^2/NDF:25494342.3/49

All: 0.000+/-0.000 χ^2/NDF: 44927090.1/91



Right In: 0.008+/-0.011 χ^2/NDF: 19.6/18

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.018+/-0.009 χ^2/NDF: 15.4/24

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

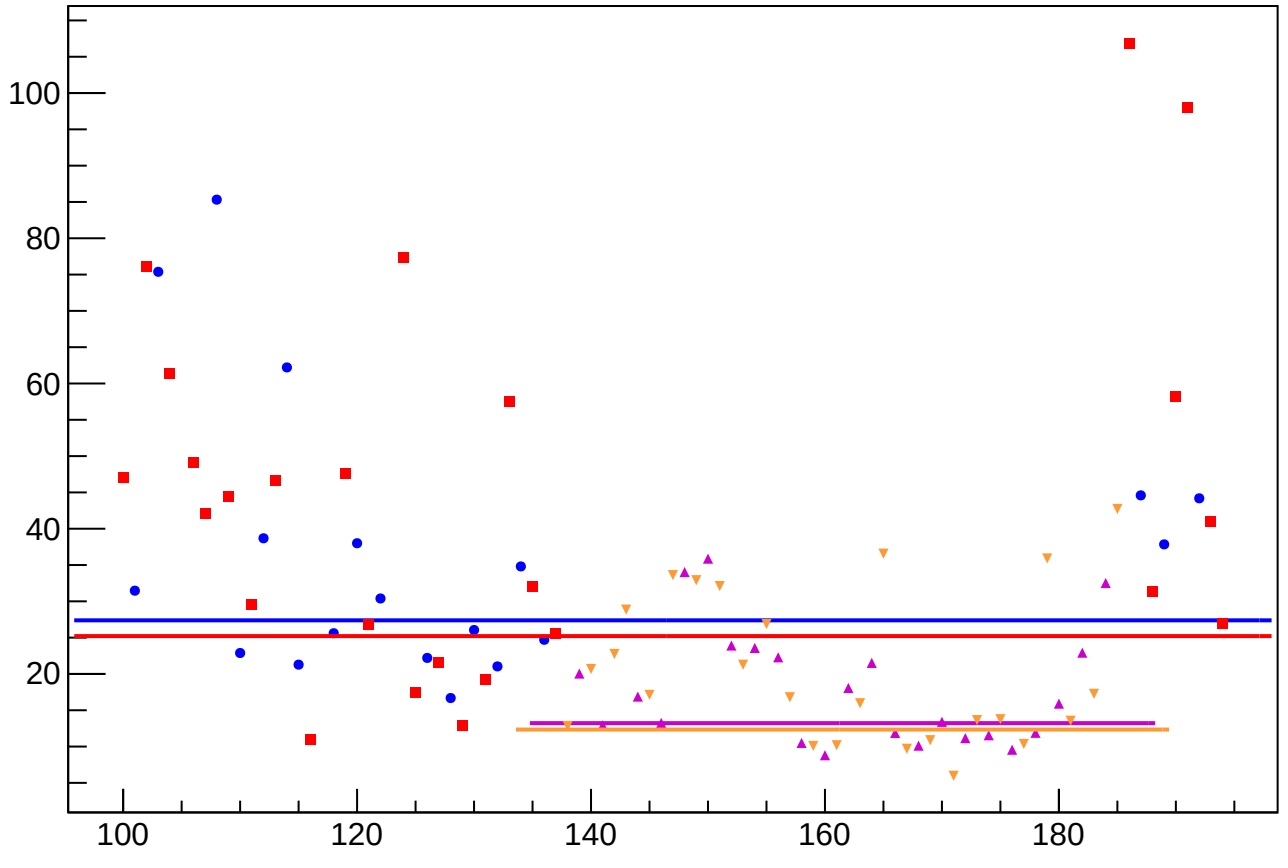
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.006+/-0.007 χ^2/NDF: 38.2/43

In: -0.003+/-0.003 χ^2/NDF:57.8/41

Out: 0.005+/-0.003 χ^2/NDF:80.9/49

All: 0.002+/-0.002 χ^2/NDF: 141.4/91



Right In: 27.383+/-0.007 χ^2/NDF: 1765707.9/18

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 25.212+/-0.007 χ^2/NDF: 4612039.5/24

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

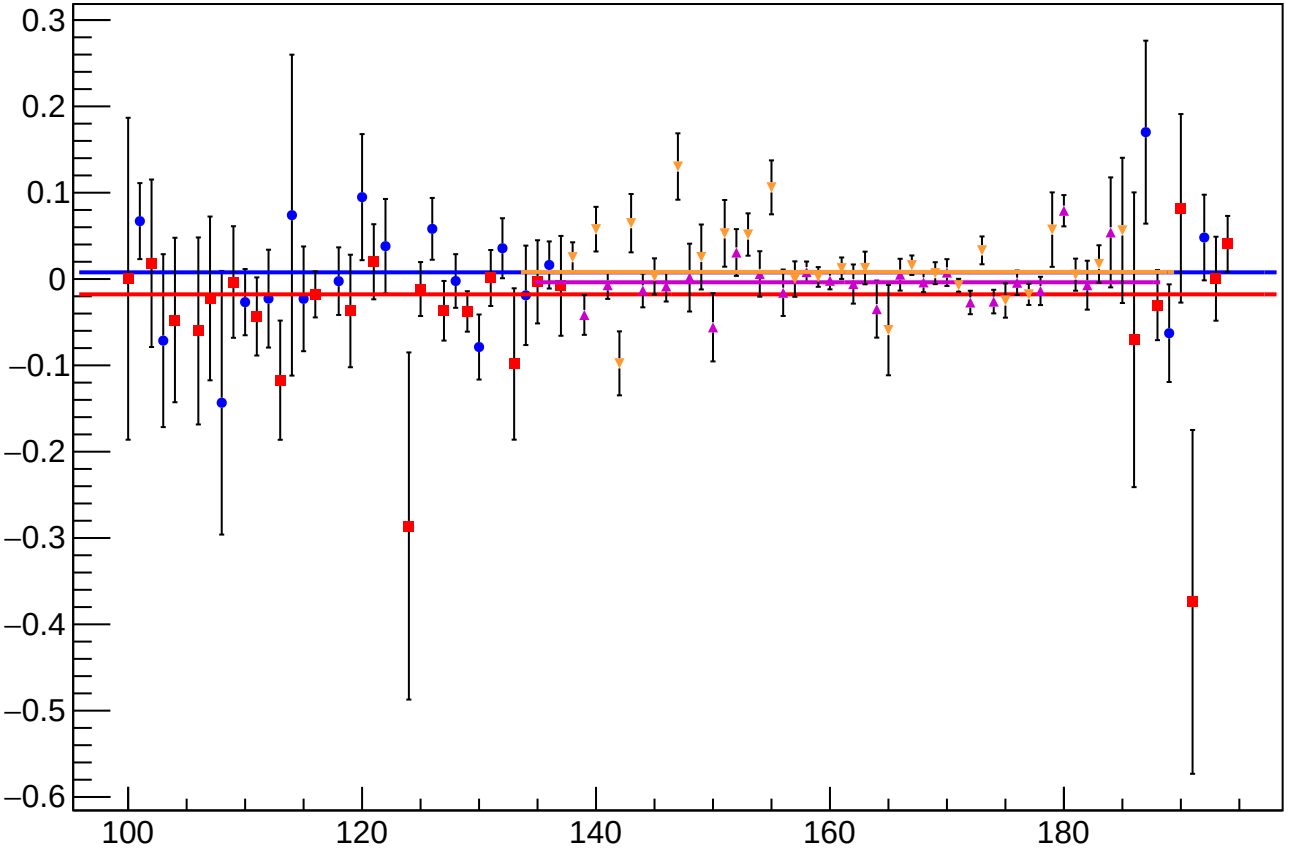
Right: 26.175+/-0.005 χ^2/NDF: 6424527.1/43

In: 14.717+/-0.002 χ^2/NDF:8836762.7/41

Out: 13.859+/-0.002 χ^2/NDF:14626890.2/49

All: 14.264+/-0.002 χ^2/NDF: 23529618.2/91

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.011 χ^2/NDF: 19.6/18

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.018+/-0.009 χ^2/NDF: 15.4/24

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

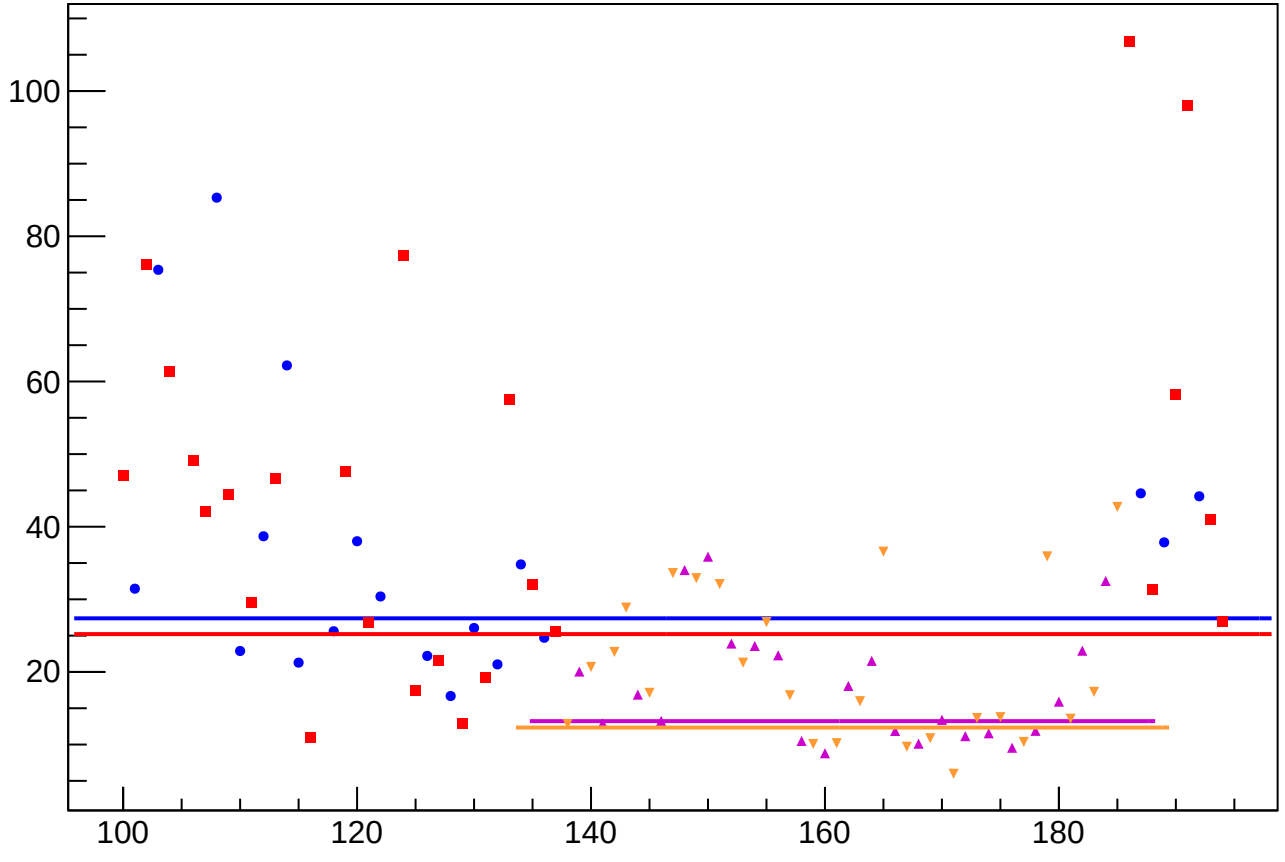
Right: -0.006+/-0.007 χ^2/NDF: 38.2/43

In: -0.003+/-0.003 χ^2/NDF:57.8/41

Out: 0.005+/-0.003 χ^2/NDF:80.9/49

All: 0.002+/-0.002 χ^2/NDF: 141.4/91

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.383+/-0.007 χ^2/NDF: 1765707.9/18

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 25.212+/-0.007 χ^2/NDF: 4612039.5/24

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

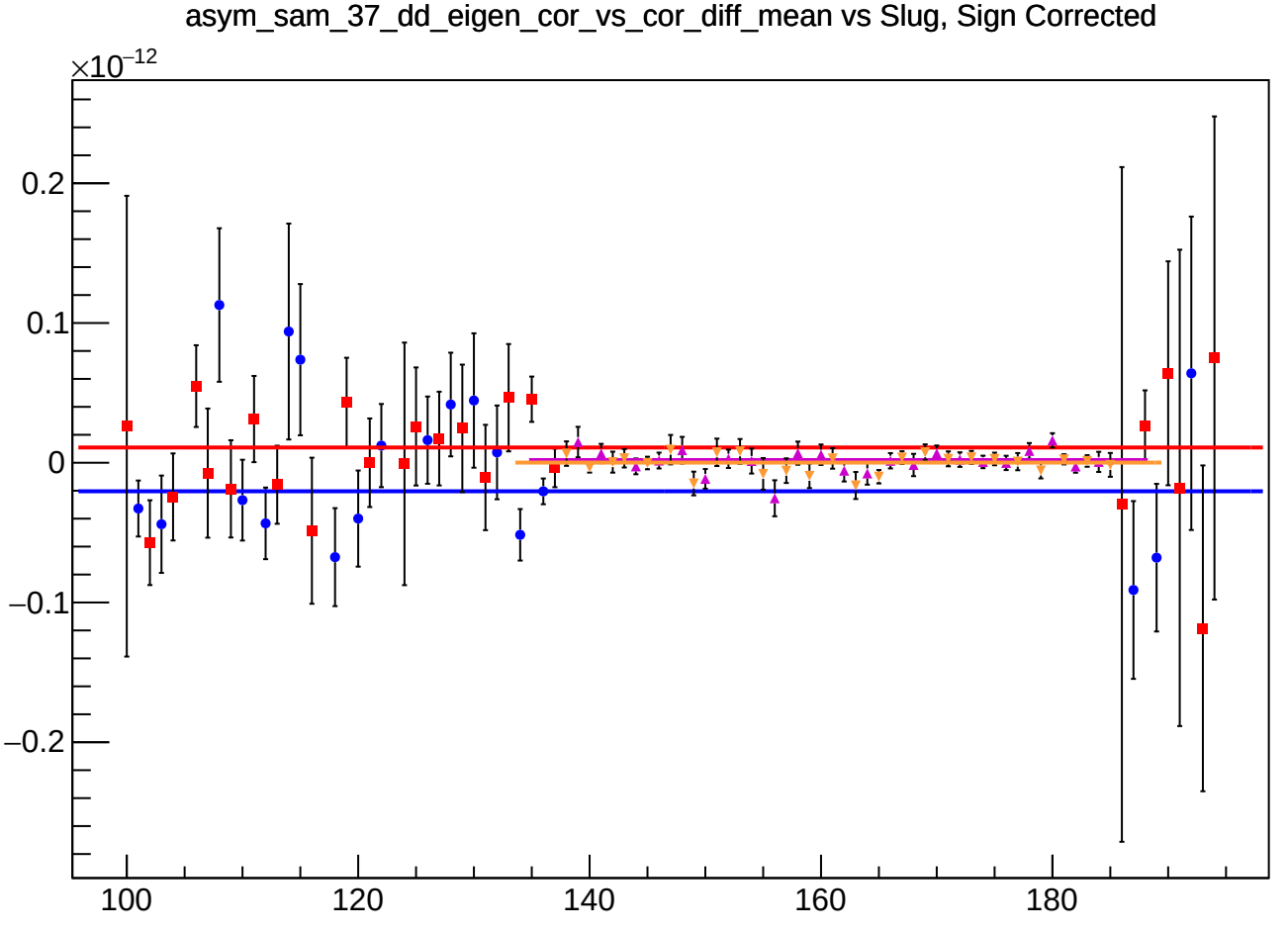
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

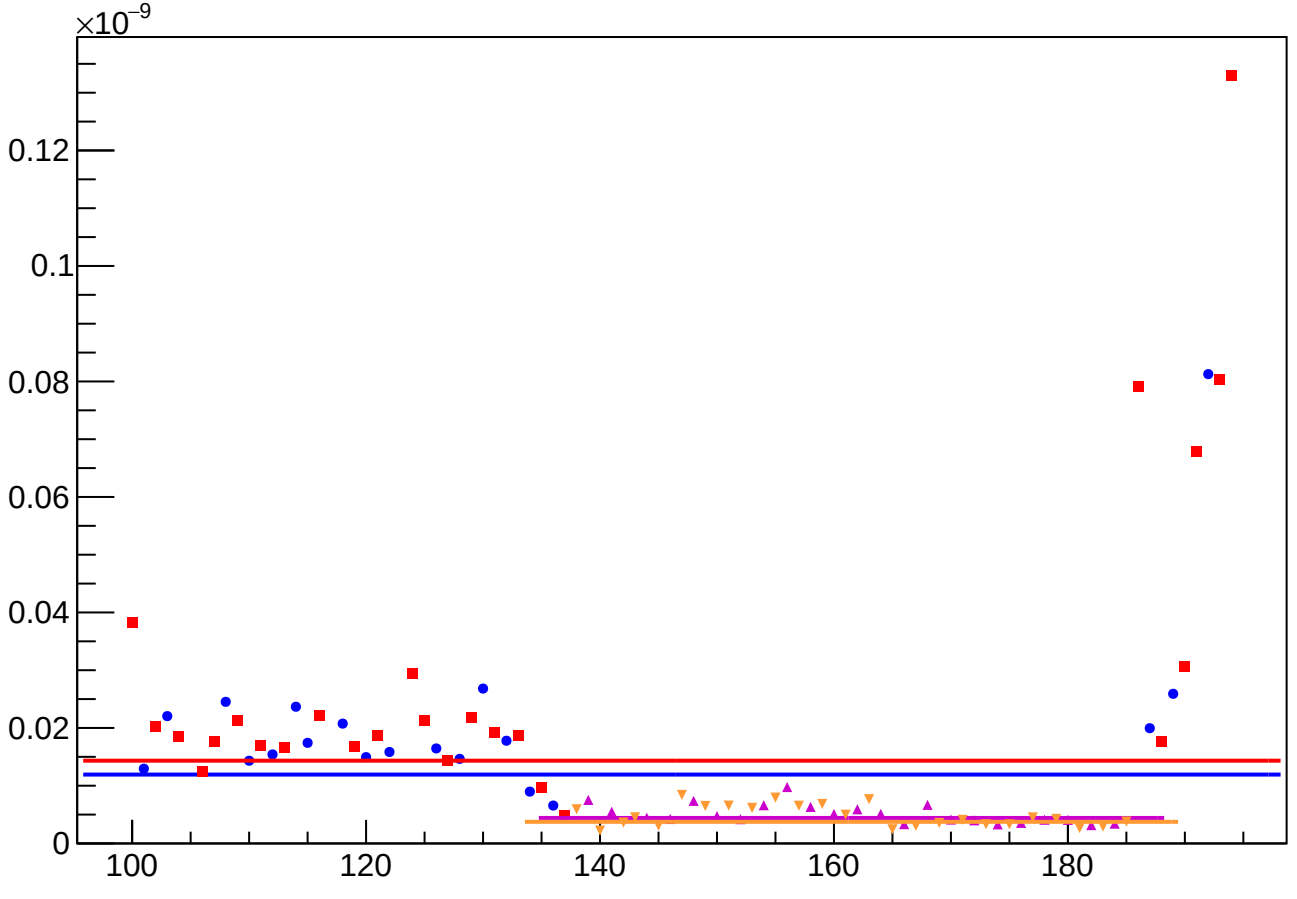
Right: 26.175+/-0.005 χ^2/NDF: 6424527.1/43

In: 14.717+/-0.002 χ^2/NDF:8836762.7/41

Out: 13.859+/-0.002 χ^2/NDF:14626890.2/49

All: 14.264+/-0.002 χ^2/NDF: 23529618.2/91


asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 28.3/18
Left Out: 0.000+/-0.000 χ²/NDF:21.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.6/24
Left In: 0.000+/-0.000 χ²/NDF:25.4/22
Left: 0.000+/-0.000 χ²/NDF: 48.0/47
Right: -0.000+/-0.000 χ²/NDF: 63.5/43
In: 0.000+/-0.000 χ²/NDF:67.1/41
Out: 0.000+/-0.000 χ²/NDF:46.8/49
All: 0.000+/-0.000 χ²/NDF: 113.9/91



Right In: 0.000+/-0.000 χ^2/NDF: 2546773.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3750757.3/24

Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

Left: 0.000+/-0.000 χ^2/NDF: 5111609.7/47

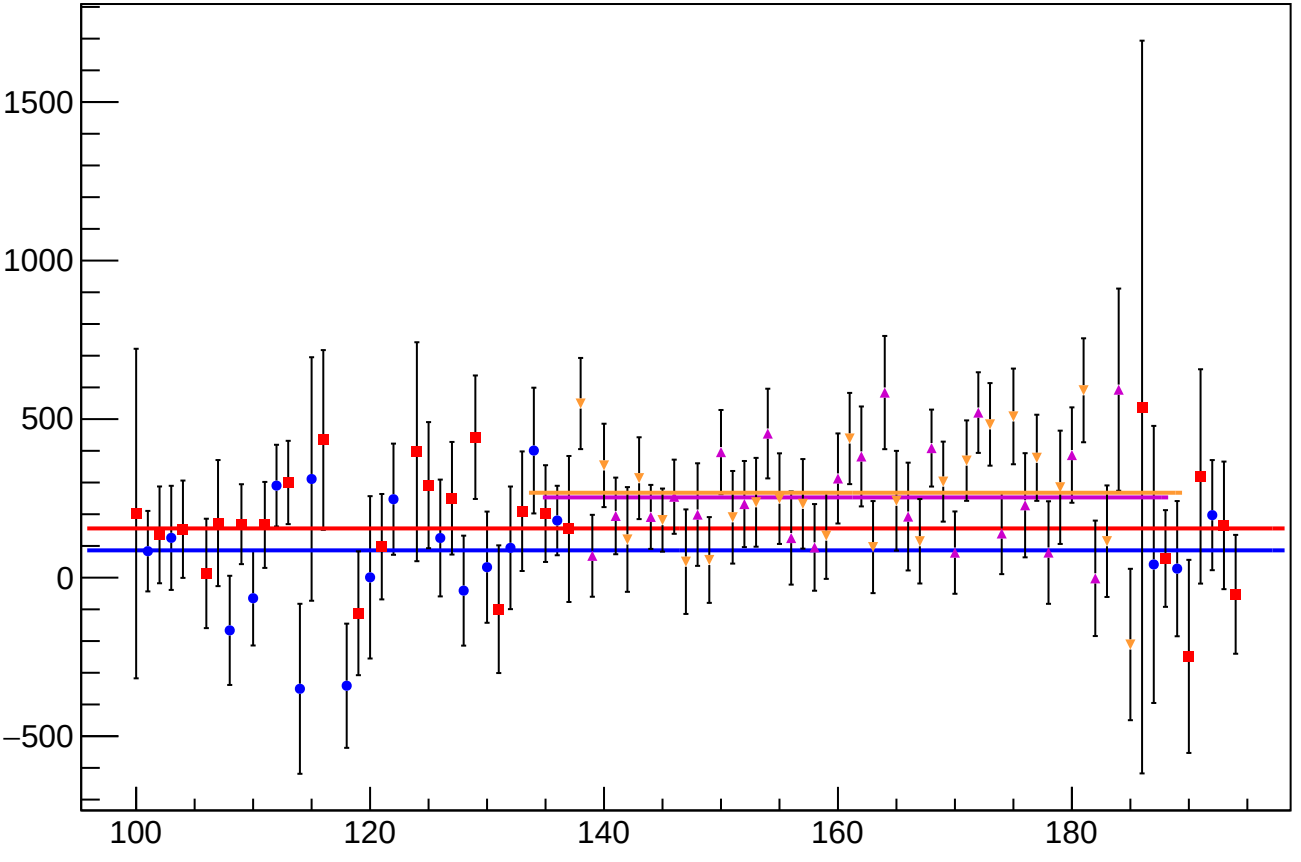
Right: 0.000+/-0.000 χ^2/NDF: 6446199.8/43

In: 0.000+/-0.000 χ^2/NDF:7314915.5/41

Out: 0.000+/-0.000 χ^2/NDF:11964955.4/49

All: 0.000+/-0.000 χ^2/NDF: 19606103.3/91

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 86.071+/-40.041 χ^2/NDF: 18.9/18

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: 155.244+/-37.244 χ^2/NDF: 13.8/24

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

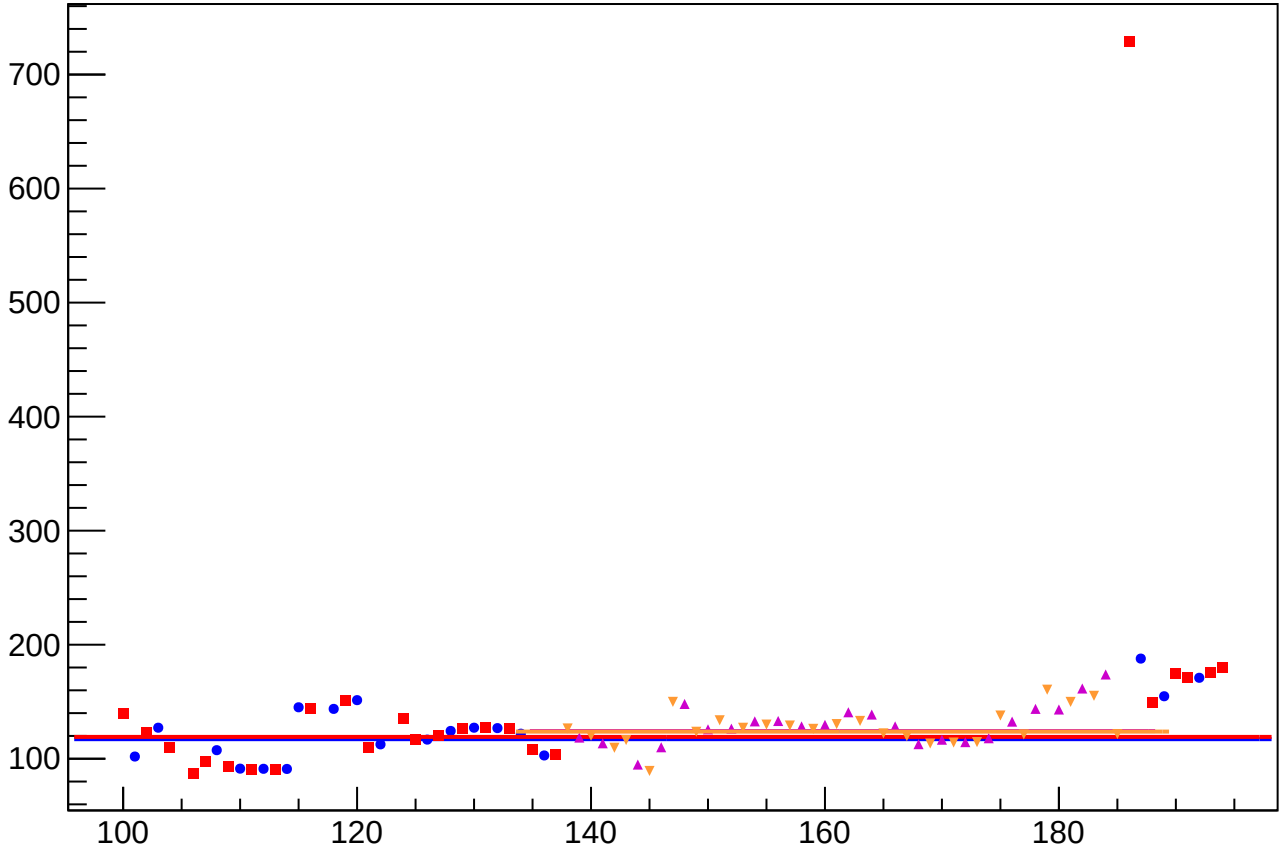
Right: 123.158+/-27.271 χ^2/NDF: 34.3/43

In: 194.785+/-23.652 χ^2/NDF:56.4/41

Out: 226.390+/-22.587 χ^2/NDF:50.6/49

All: 211.316+/-16.335 χ^2/NDF: 107.9/91

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 117.157+/-0.028 χ^2/NDF: 644417.0/18

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 119.143+/-0.026 χ^2/NDF: 1598932.5/24

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

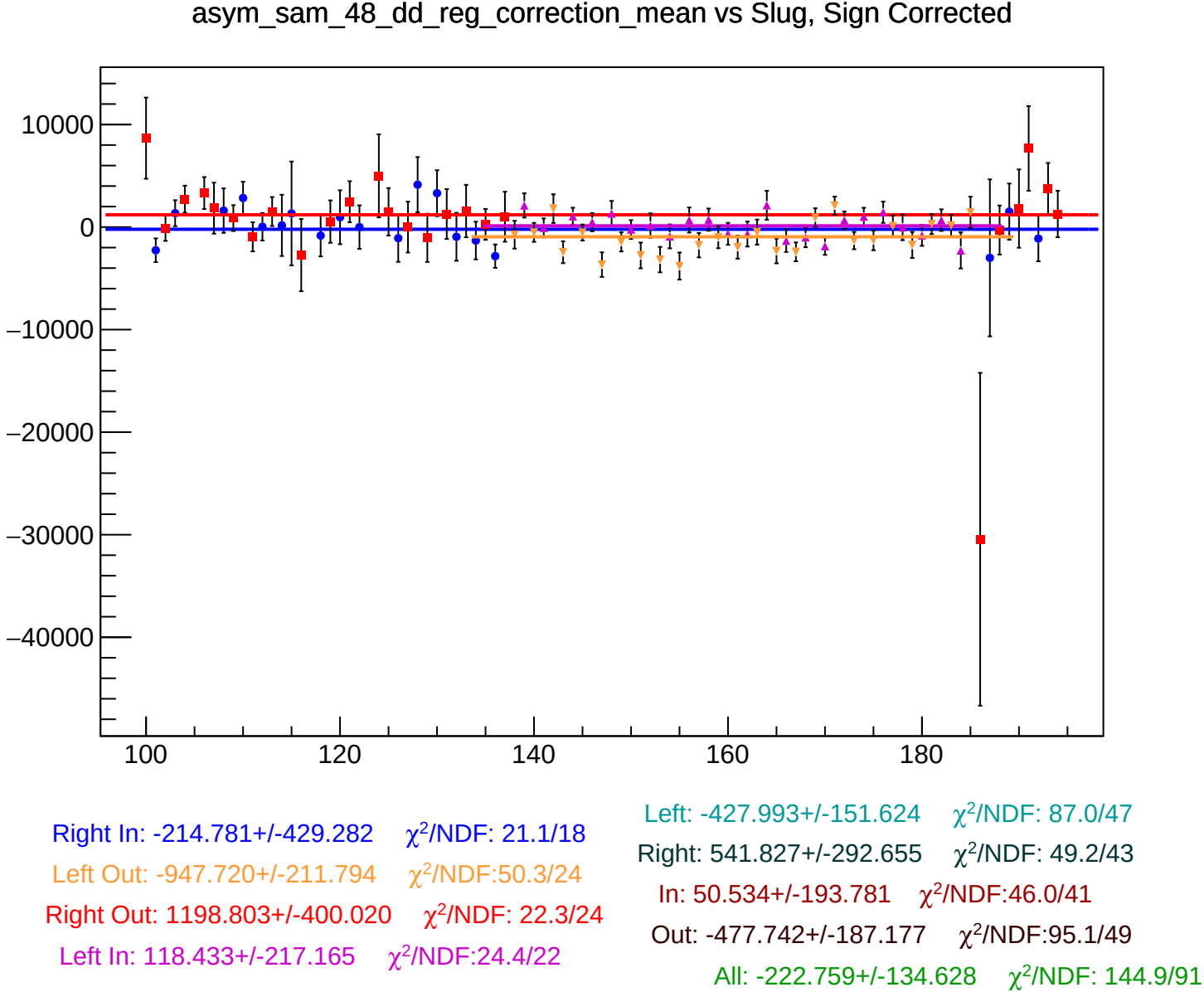
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

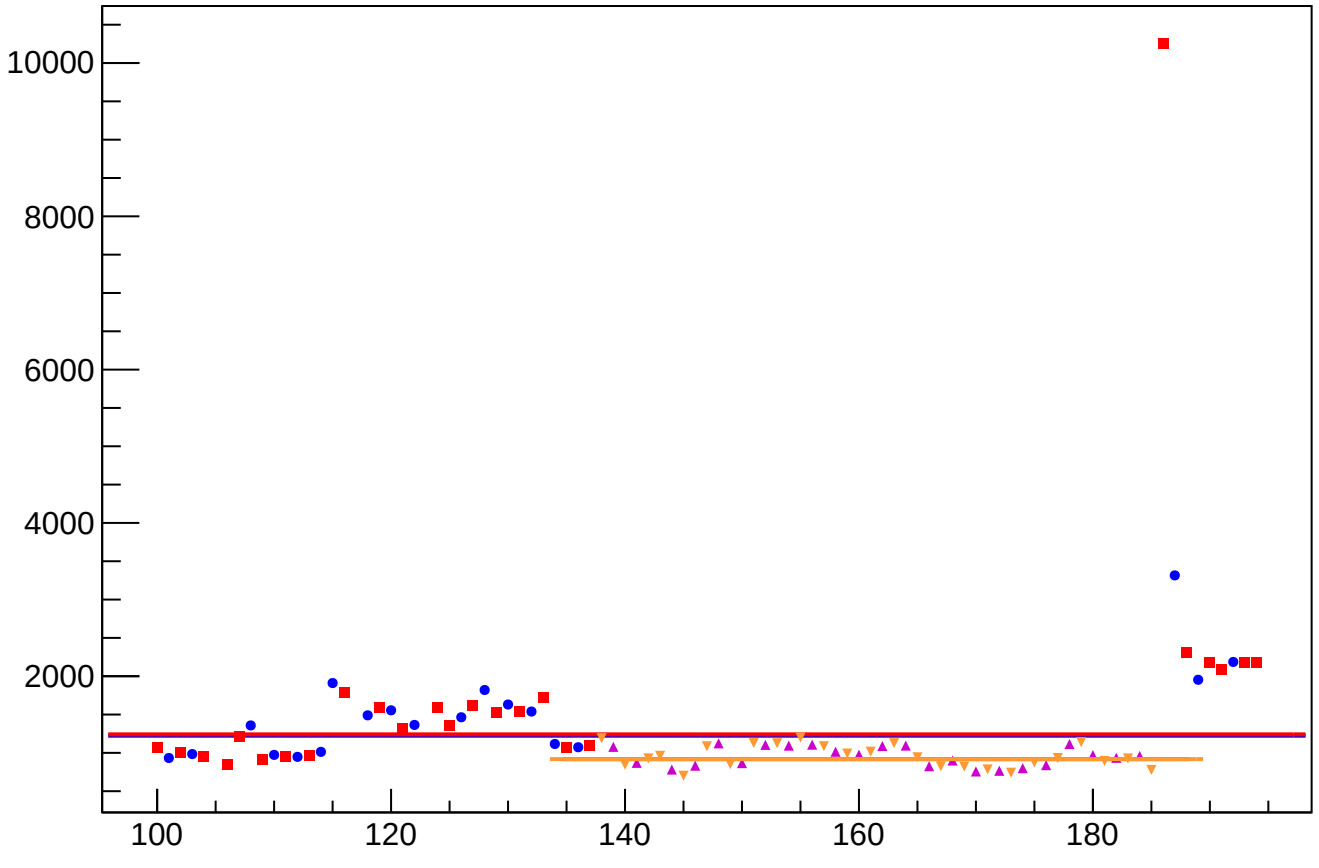
Right: 118.222+/-0.019 χ^2/NDF: 2245987.3/43

In: 121.781+/-0.017 χ^2/NDF:1242589.7/41

Out: 122.092+/-0.016 χ^2/NDF:2217205.6/49

All: 121.944+/-0.012 χ^2/NDF: 3459976.1/91


asym_sam_48_dd_reg_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: -214.781+/-429.282 χ²/NDF: 21.1/18
Left Out: -947.720+/-211.794 χ²/NDF:50.3/24
Right Out: 1198.803+/-400.020 χ²/NDF: 22.3/24
Left In: 118.433+/-217.165 χ²/NDF:24.4/22
Left: -427.993+/-151.624 χ²/NDF: 87.0/47
Right: 541.827+/-292.655 χ²/NDF: 49.2/43
In: 50.534+/-193.781 χ²/NDF:46.0/41
Out: -477.742+/-187.177 χ²/NDF:95.1/49
All: -222.759+/-134.628 χ²/NDF: 144.9/91



Right In: 1224.199+/-0.304 χ^2/NDF: 1392526.6/18

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1241.477+/-0.283 χ^2/NDF: 2790395.6/24

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

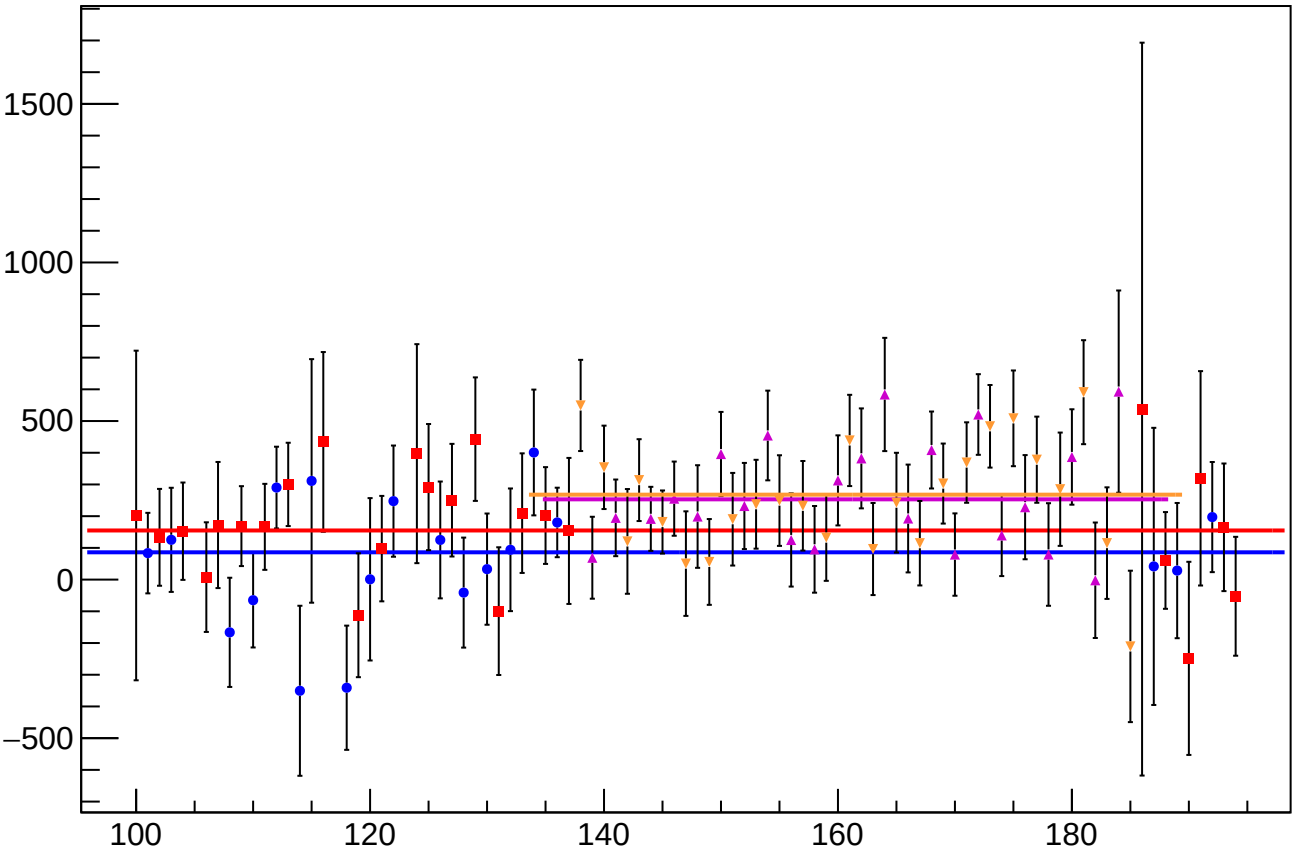
Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

Right: 1233.447+/-0.207 χ^2/NDF: 4184656.2/43

In: 980.564+/-0.137 χ^2/NDF:2867857.2/41

Out: 989.216+/-0.132 χ^2/NDF:4696539.0/49

All: 985.040+/-0.095 χ^2/NDF: 7566458.9/91



Right In: 86.061+/-40.041 χ^2/NDF: 18.9/18

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 154.910+/-37.248 χ^2/NDF: 13.9/24

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

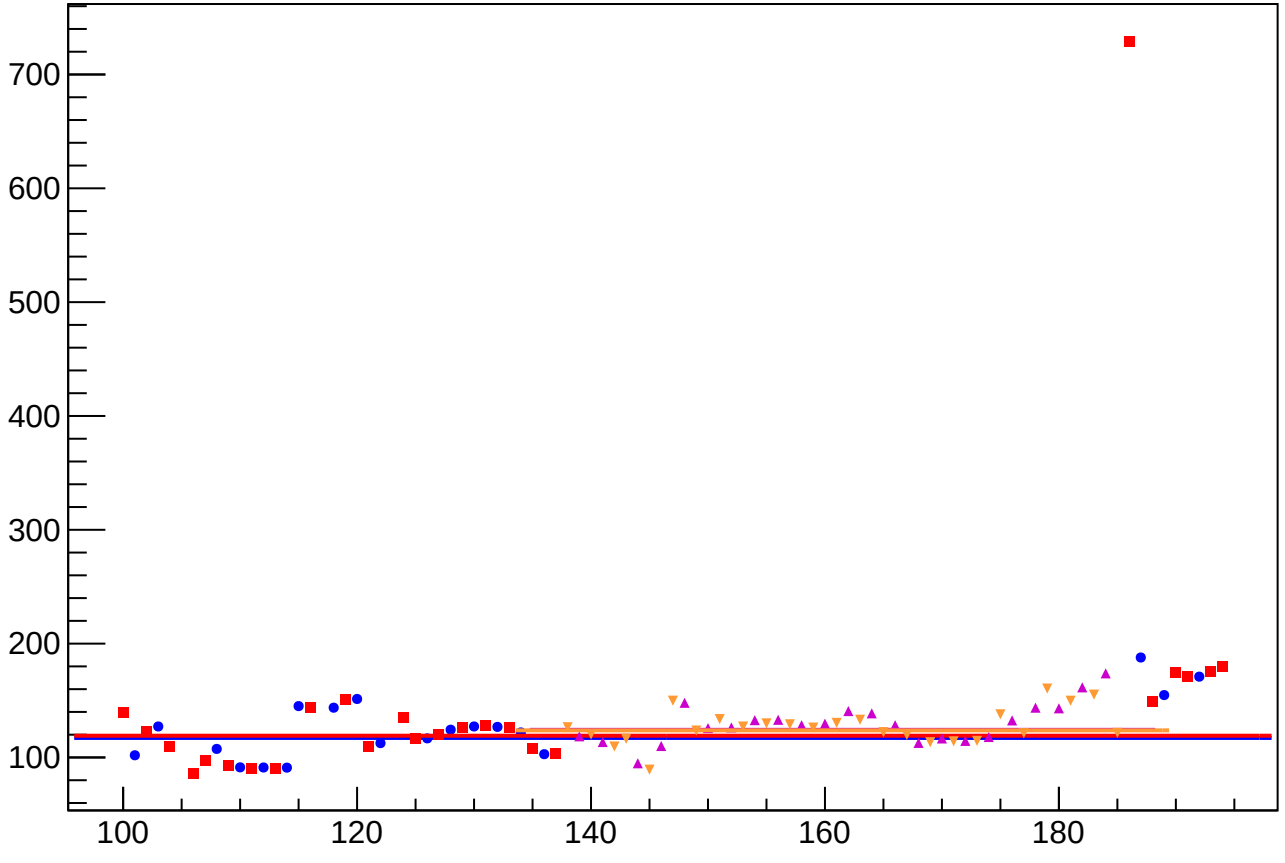
Right: 122.971+/-27.272 χ^2/NDF: 34.4/43

In: 194.784+/-23.652 χ^2/NDF:56.4/41

Out: 226.279+/-22.588 χ^2/NDF:50.7/49

All: 211.256+/-16.335 χ^2/NDF: 108.0/91

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 117.157+/-0.028 χ^2/NDF: 644417.7/18

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 119.099+/-0.026 χ^2/NDF: 1603723.6/24

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

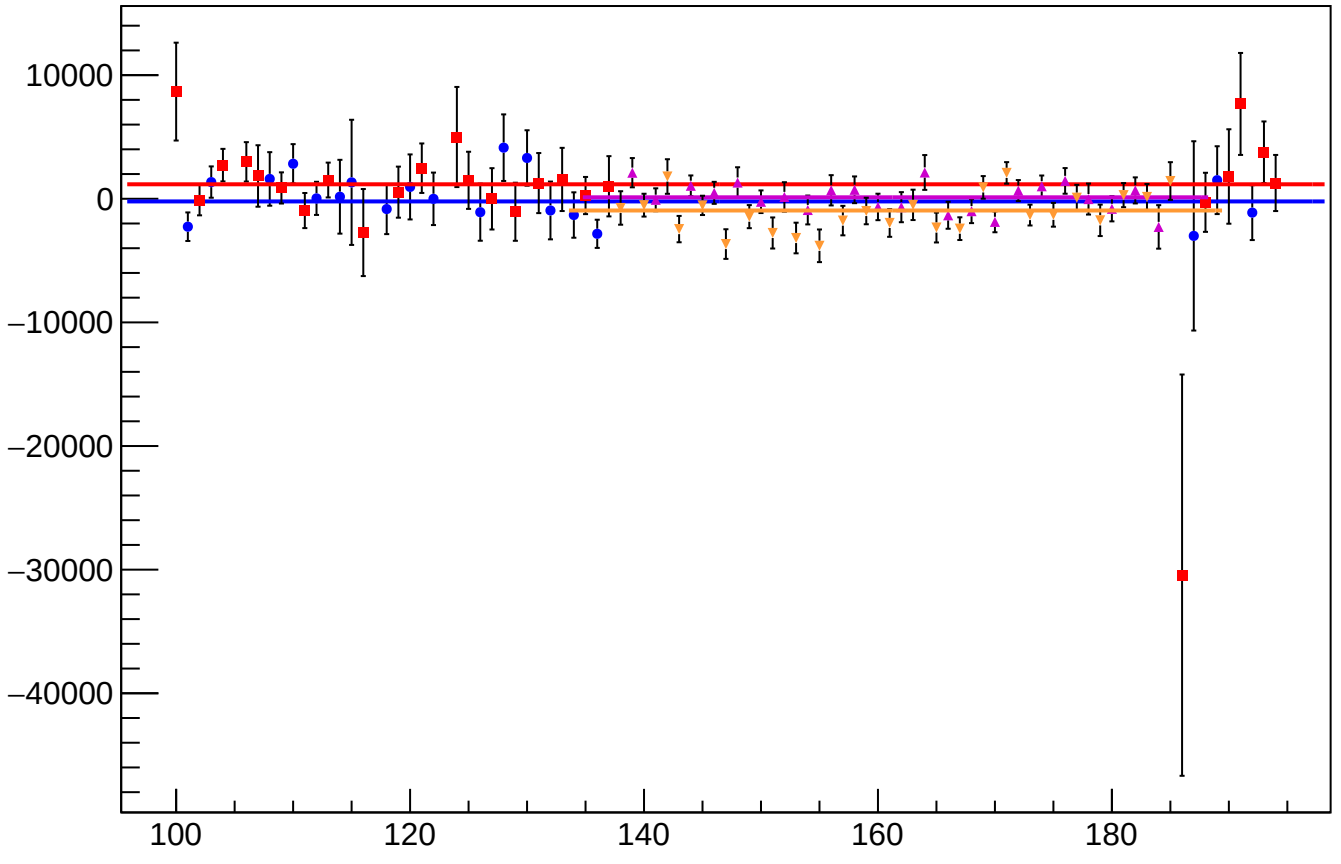
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 118.198+/-0.019 χ^2/NDF: 2250661.1/43

In: 121.781+/-0.017 χ^2/NDF:1242590.2/41

Out: 122.076+/-0.016 χ^2/NDF:2222376.9/49

All: 121.935+/-0.012 χ^2/NDF: 3465129.5/91



Right In: -214.865+/-429.285 χ^2/NDF: 21.1/18

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1171.572+/-400.642 χ^2/NDF: 21.7/24

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

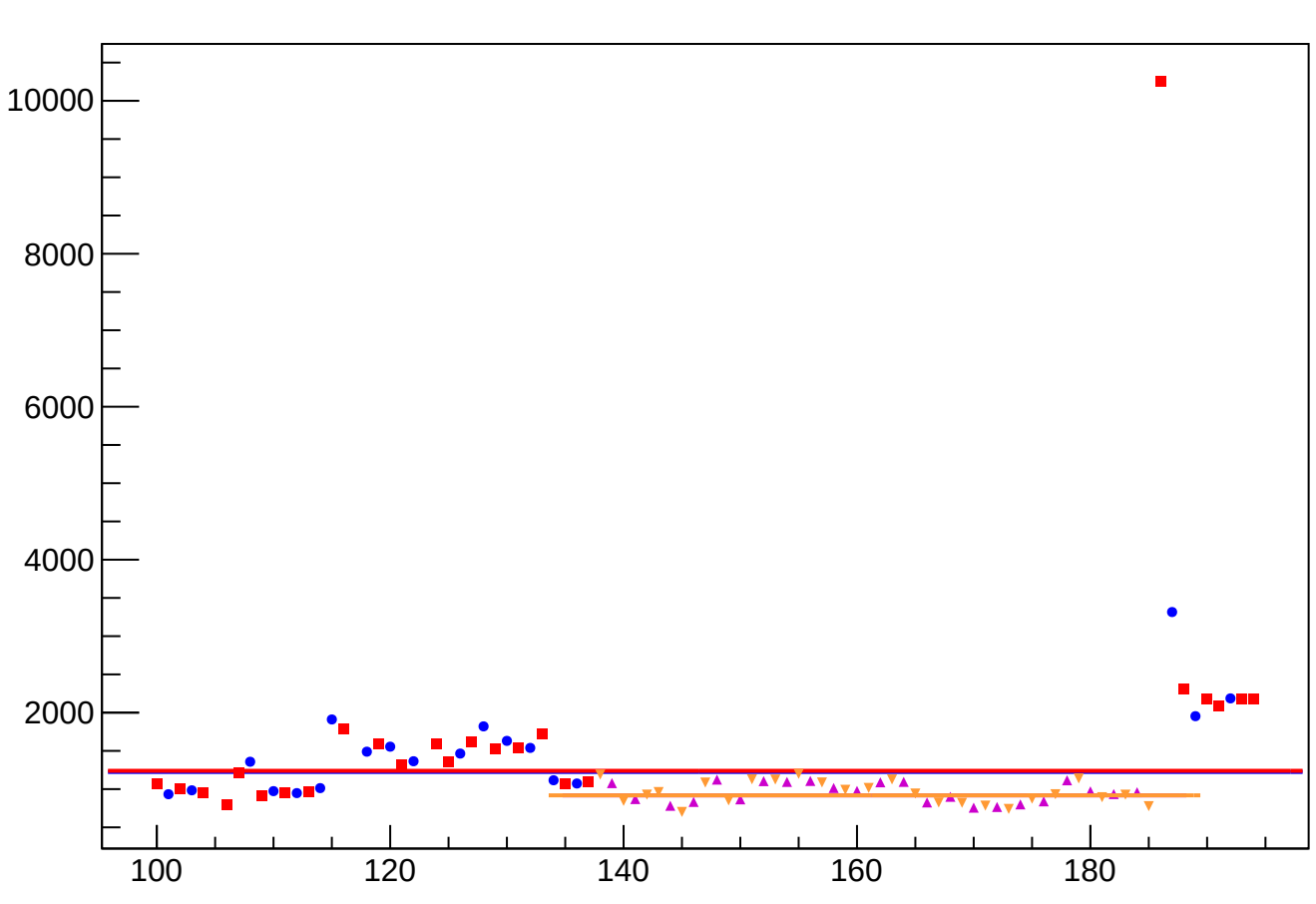
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 526.146+/-292.899 χ^2/NDF: 48.4/43

In: 50.520+/-193.781 χ^2/NDF:46.0/41

Out: -484.820+/-187.241 χ^2/NDF:93.8/49

All: -226.337+/-134.652 χ^2/NDF: 143.8/91



Right In: 1224.209+/-0.304 χ^2/NDF: 1392482.8/18

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1239.529+/-0.283 χ^2/NDF: 2817673.6/24

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

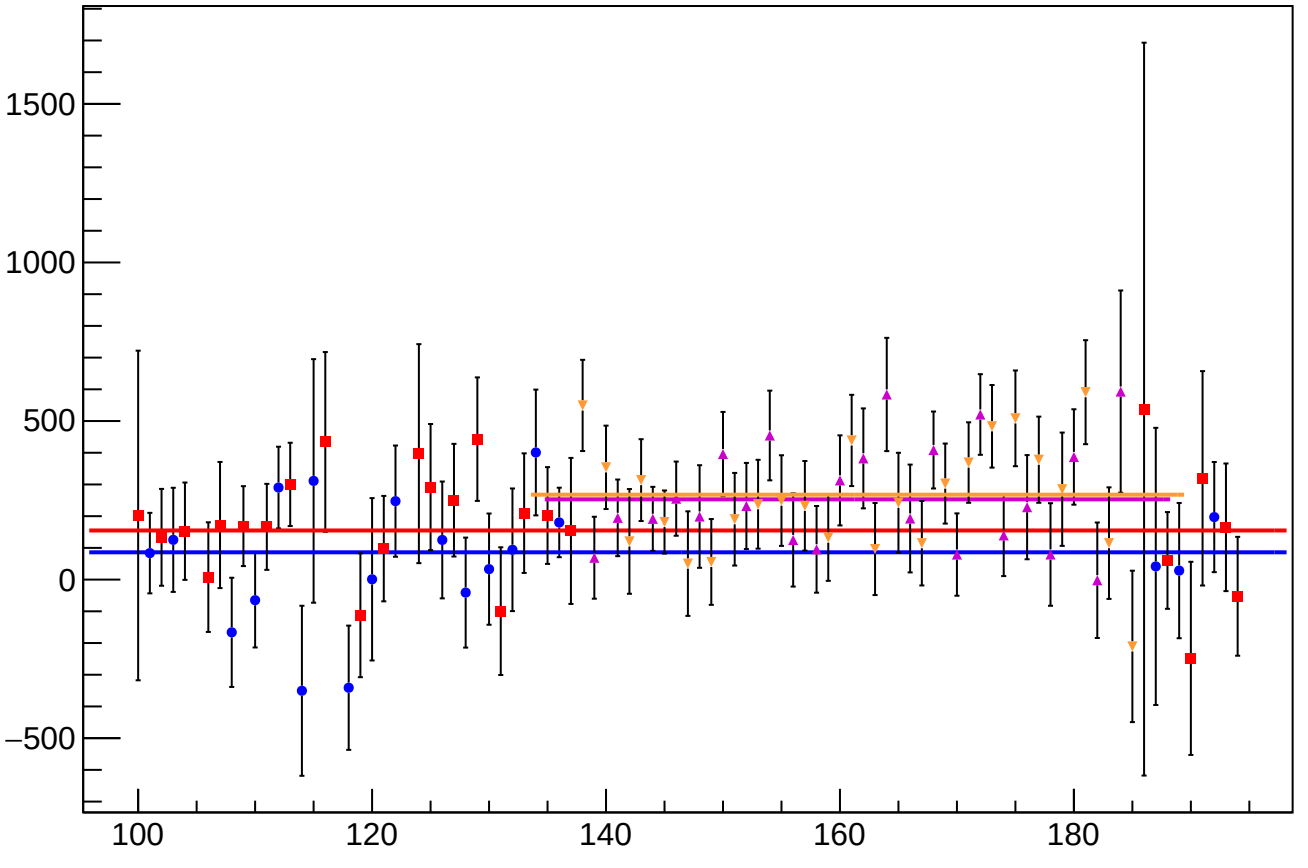
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1232.397+/-0.207 χ^2/NDF: 4211517.8/43

In: 980.566+/-0.137 χ^2/NDF:2867857.3/41

Out: 988.620+/-0.132 χ^2/NDF:4709130.8/49

All: 984.731+/-0.095 χ^2/NDF: 7578774.8/91



Right In: 86.061+/-40.041 χ^2/NDF: 18.9/18

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 154.910+/-37.248 χ^2/NDF: 13.9/24

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

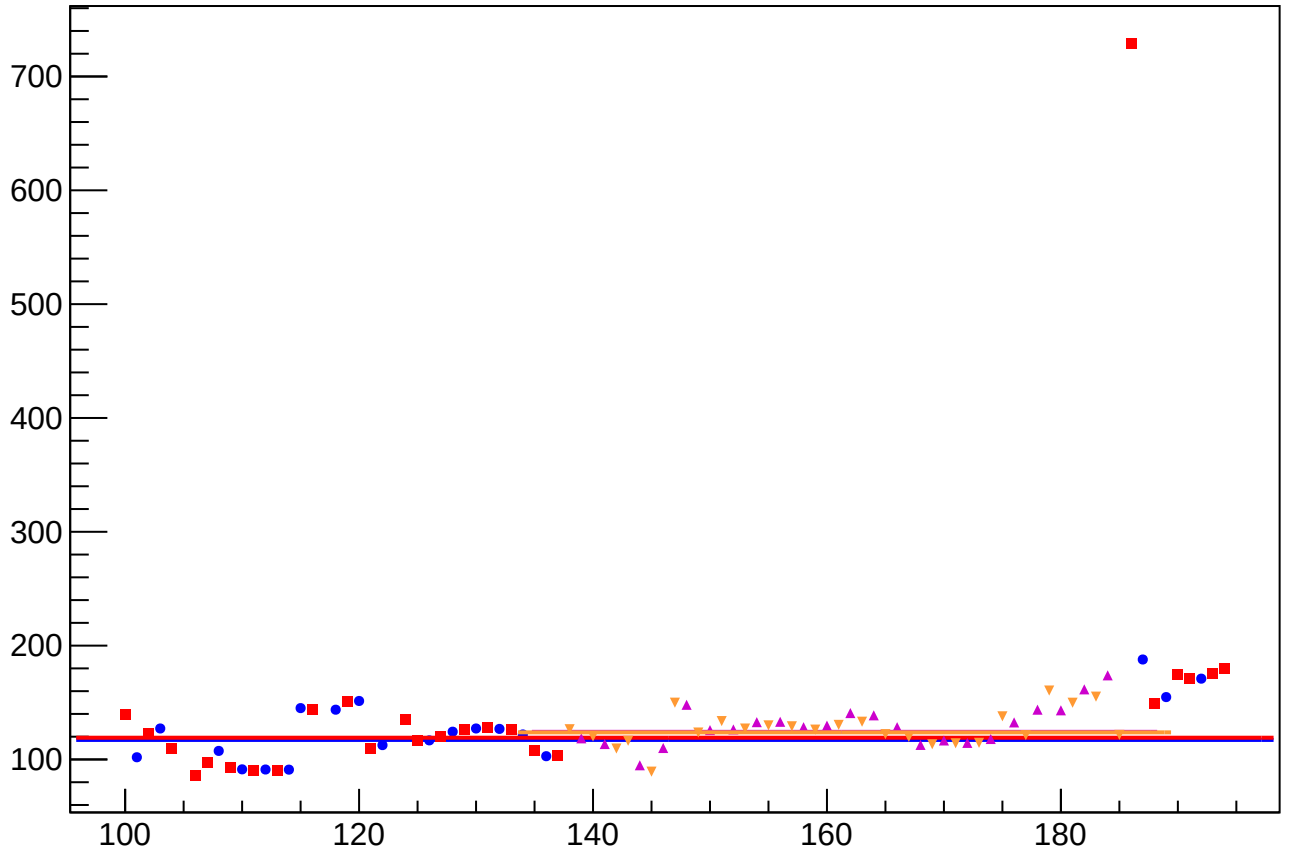
Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

Right: 122.971+/-27.272 χ^2/NDF: 34.4/43

In: 194.784+/-23.652 χ^2/NDF:56.4/41

Out: 226.279+/-22.588 χ^2/NDF:50.7/49

All: 211.256+/-16.335 χ^2/NDF: 108.0/91



Right In: 117.157+/-0.028 χ^2/NDF: 644417.7/18

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 119.099+/-0.026 χ^2/NDF: 1603723.6/24

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

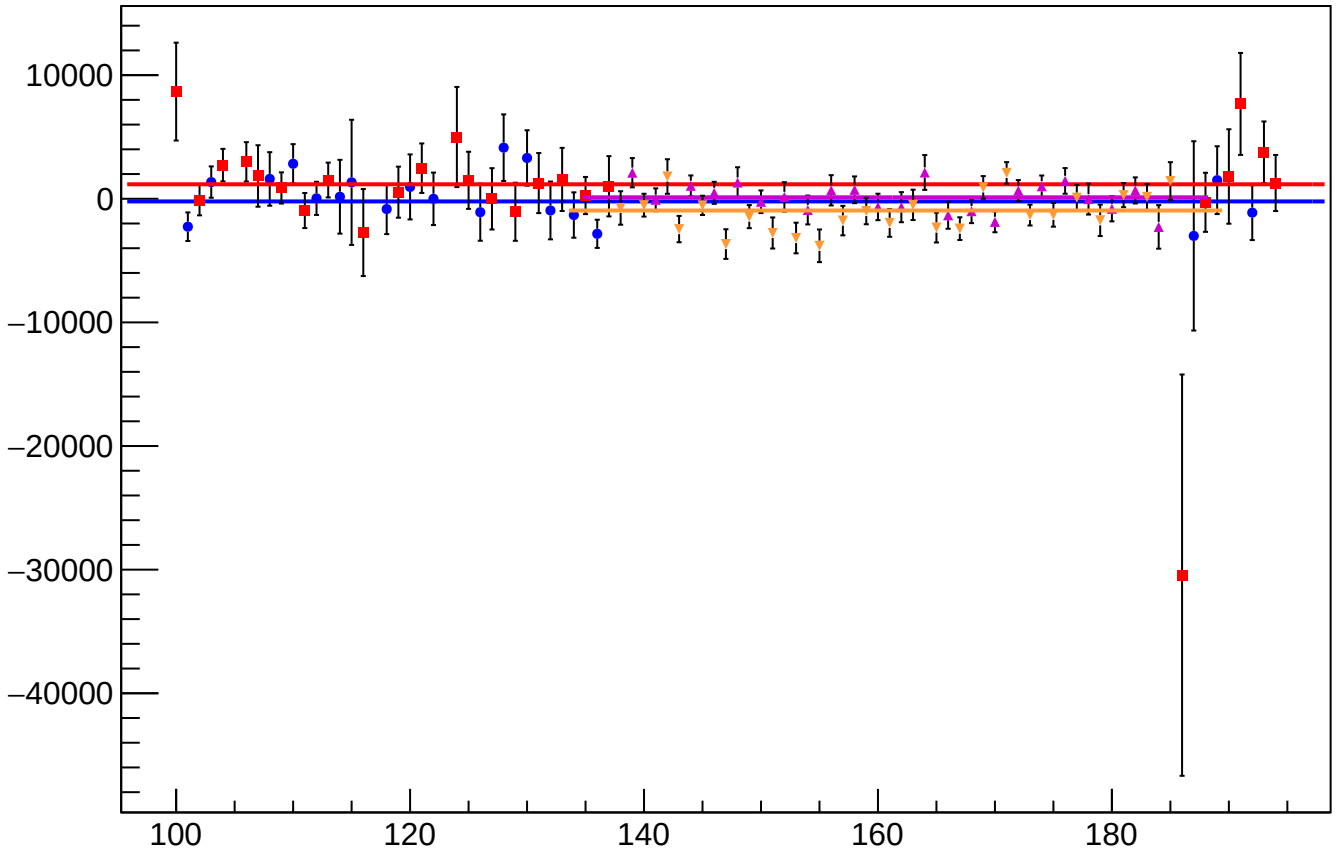
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 118.198+/-0.019 χ^2/NDF: 2250661.1/43

In: 121.781+/-0.017 χ^2/NDF:1242590.2/41

Out: 122.076+/-0.016 χ^2/NDF:2222376.9/49

All: 121.935+/-0.012 χ^2/NDF: 3465129.5/91



Right In: -214.865+/-429.285 χ^2/NDF: 21.1/18

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1171.572+/-400.642 χ^2/NDF: 21.7/24

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

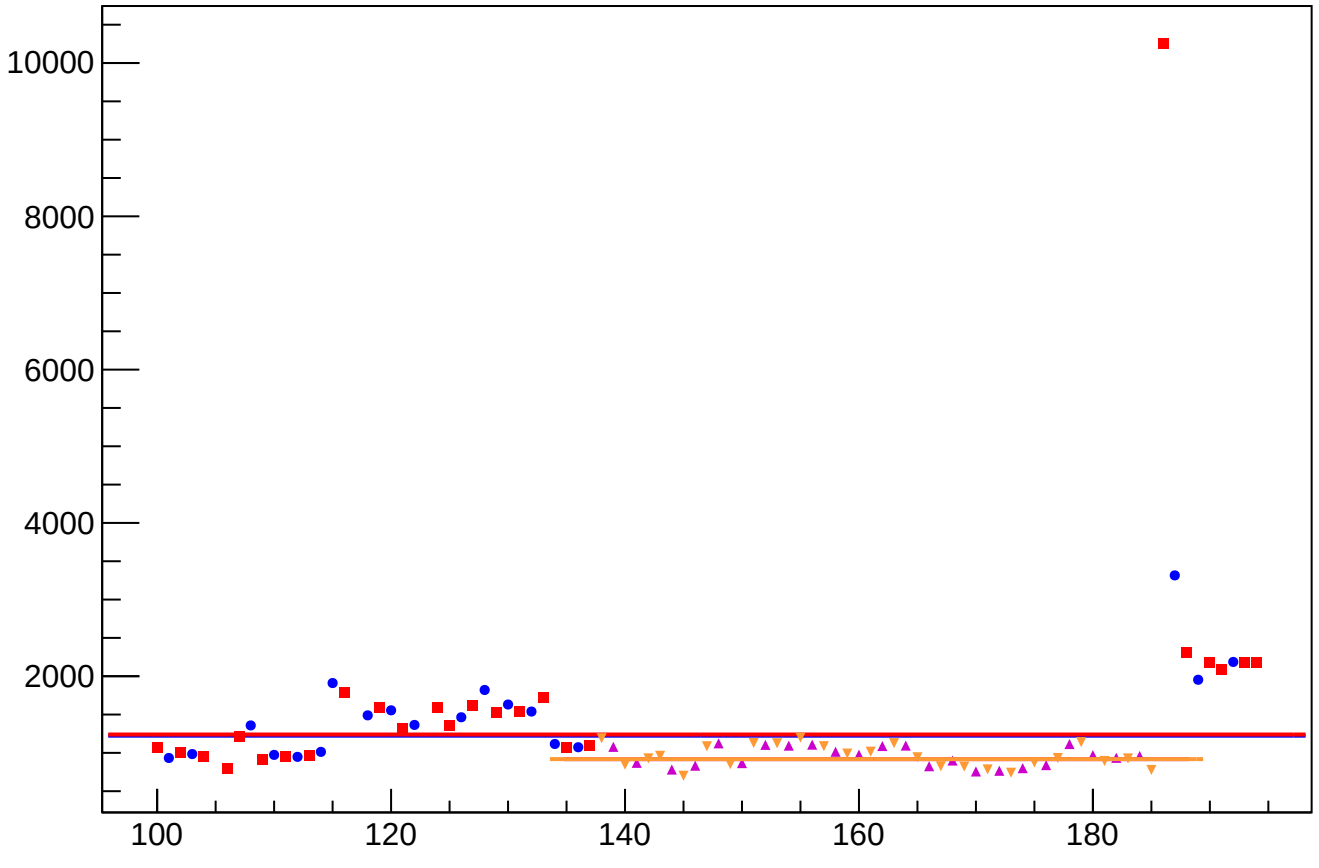
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 526.146+/-292.899 χ^2/NDF: 48.4/43

In: 50.520+/-193.781 χ^2/NDF:46.0/41

Out: -484.820+/-187.241 χ^2/NDF:93.8/49

All: -226.337+/-134.652 χ^2/NDF: 143.8/91



Right In: 1224.209+/-0.304 χ^2/NDF: 1392482.8/18

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1239.529+/-0.283 χ^2/NDF: 2817673.6/24

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

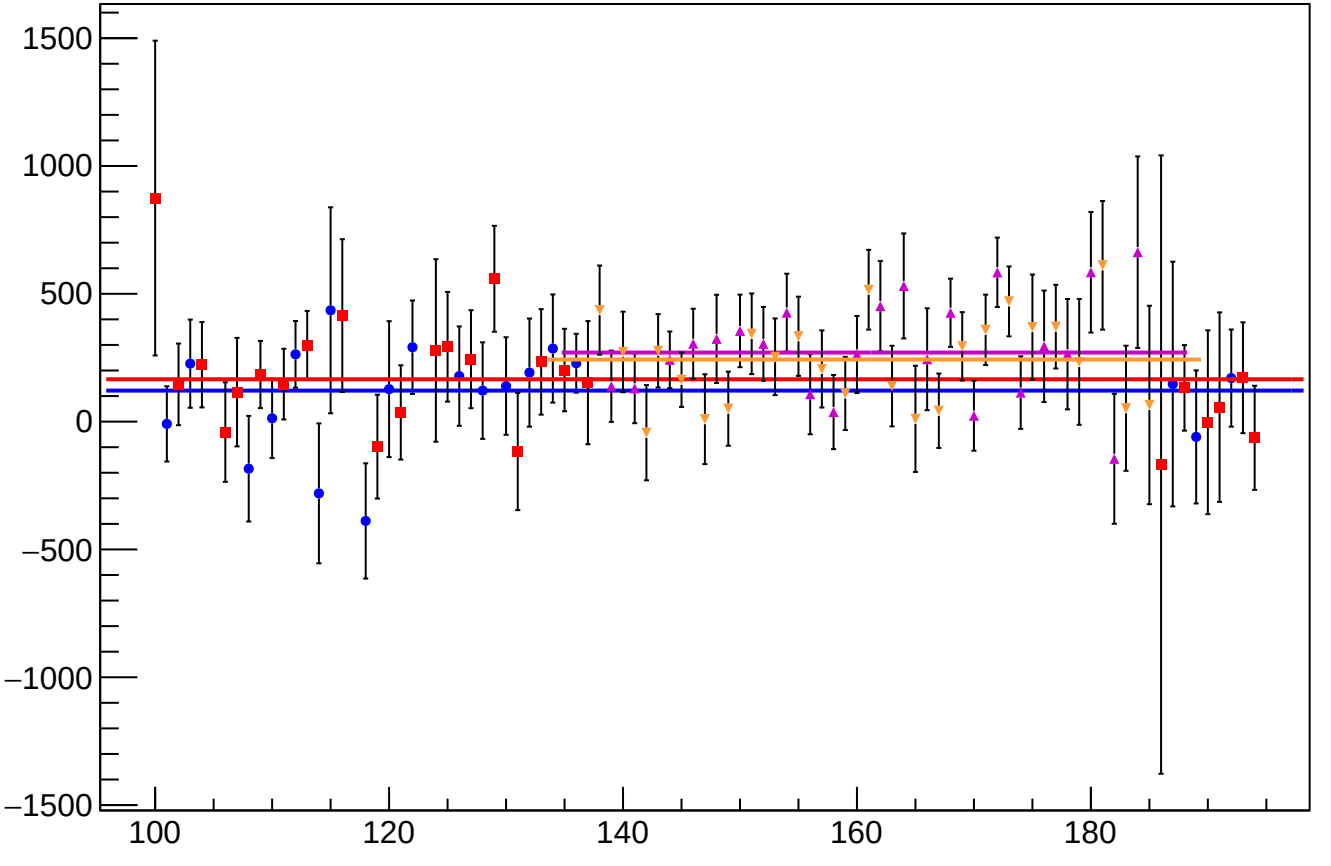
Right: 1232.397+/-0.207 χ^2/NDF: 4211517.8/43

In: 980.566+/-0.137 χ^2/NDF:2867857.3/41

Out: 988.620+/-0.132 χ^2/NDF:4709130.8/49

All: 984.731+/-0.095 χ^2/NDF: 7578774.8/91

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 121.424+/-43.216 χ^2/NDF: 16.0/18

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: 165.788+/-39.778 χ^2/NDF: 14.1/24

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

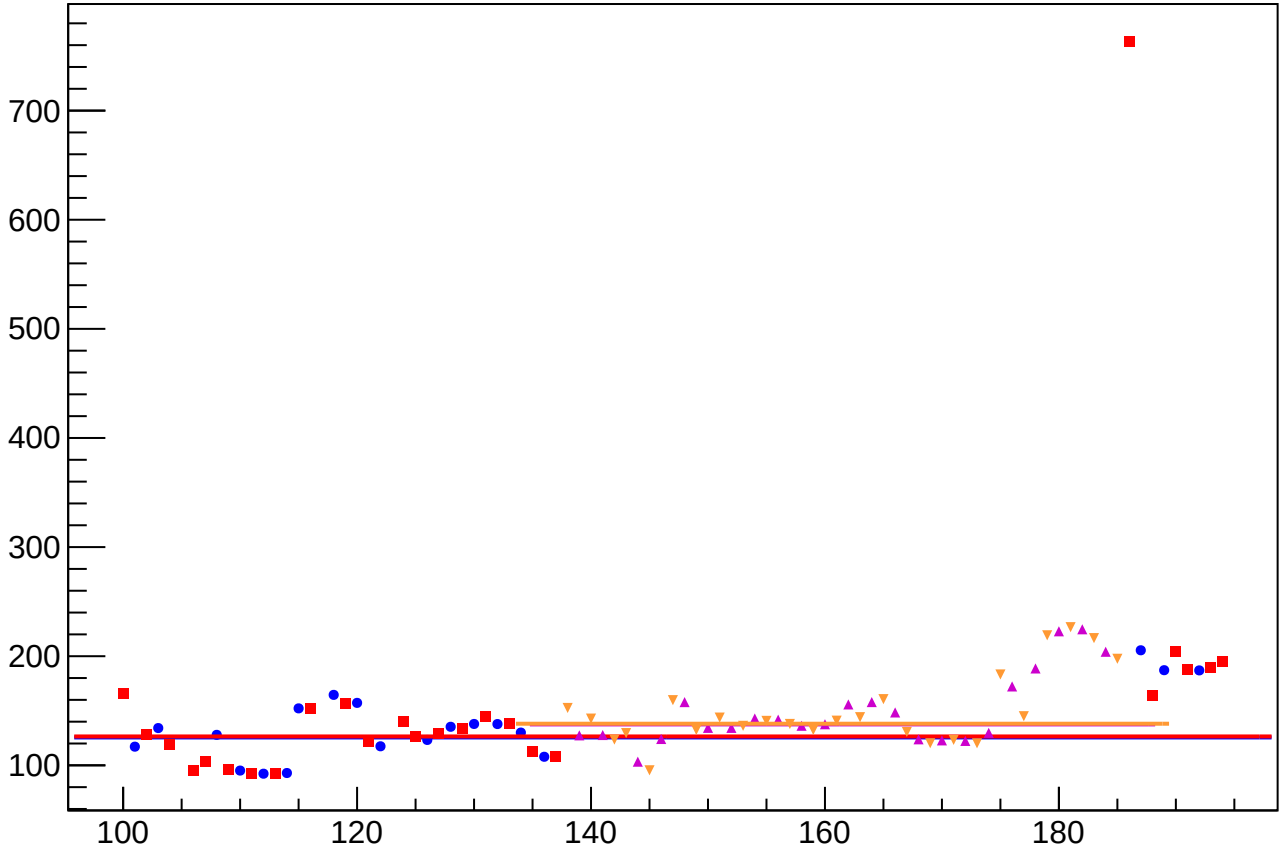
Right: 145.441+/-29.267 χ^2/NDF: 30.7/43

In: 215.654+/-26.174 χ^2/NDF:50.2/41

Out: 212.437+/-24.999 χ^2/NDF:40.1/49

All: 213.972+/-18.078 χ^2/NDF: 90.3/91

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 125.549+/-0.031 χ^2/NDF: 792897.4/18

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 126.465+/-0.028 χ^2/NDF: 1749902.1/24

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

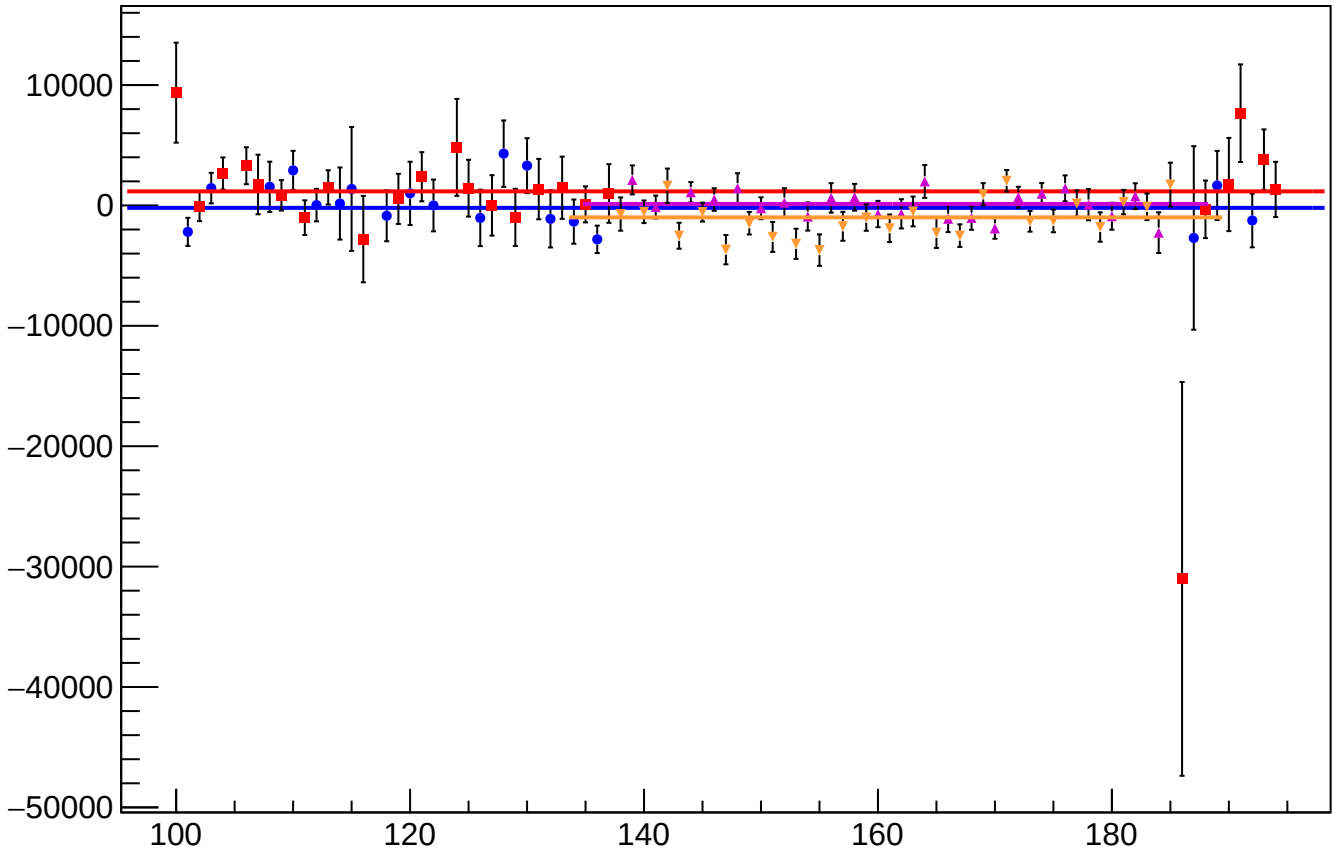
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 126.045+/-0.021 χ^2/NDF: 2543285.9/43

In: 133.111+/-0.019 χ^2/NDF:1998933.8/41

Out: 133.521+/-0.018 χ^2/NDF:3192227.8/49

All: 133.325+/-0.013 χ^2/NDF: 5191418.8/91



Right In: -200.525+/-432.904 χ^2/NDF: 21.1/18

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: 1169.922+/-402.708 χ^2/NDF: 22.6/24

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

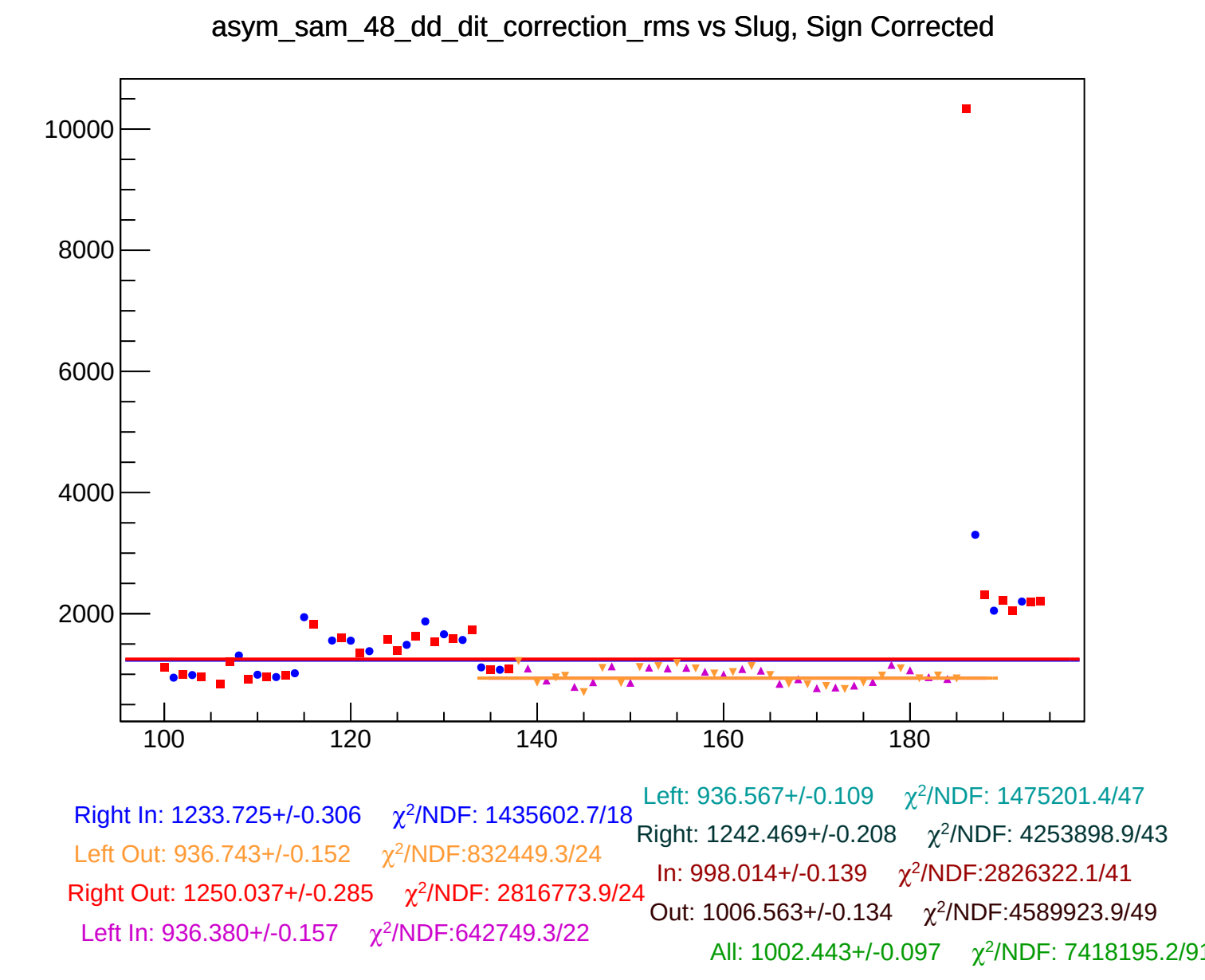
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

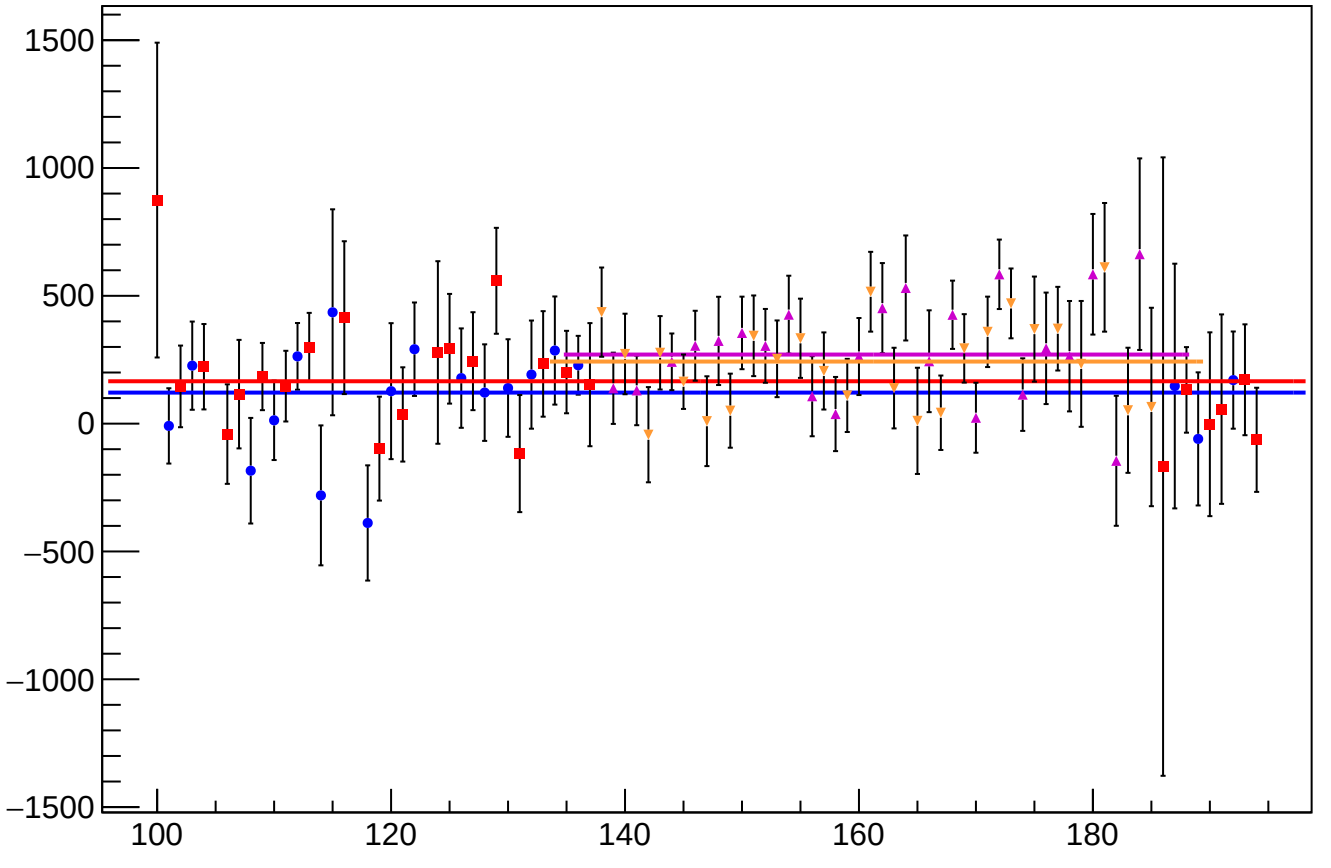
Right: 534.157+/-294.856 χ^2/NDF: 49.1/43

In: 57.411+/-197.093 χ^2/NDF:45.4/41

Out: -511.161+/-190.110 χ^2/NDF:91.9/49

All: -237.126+/-136.830 χ^2/NDF: 141.7/91


asym_sam_48_dd_dit_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
Right In: 1233.725+/-0.306 χ²/NDF: 1435602.7/18
Left Out: 936.743+/-0.152 χ²/NDF:832449.3/24
Right Out: 1250.037+/-0.285 χ²/NDF: 2816773.9/24
Left In: 936.380+/-0.157 χ²/NDF:642749.3/22
Left: 936.567+/-0.109 χ²/NDF: 1475201.4/47
Right: 1242.469+/-0.208 χ²/NDF: 4253898.9/43
In: 998.014+/-0.139 χ²/NDF:2826322.1/41
Out: 1006.563+/-0.134 χ²/NDF:4589923.9/49
All: 1002.443+/-0.097 χ²/NDF: 7418195.2/91



Right In: 121.426+/-43.216 χ^2/NDF: 16.0/18

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: 165.788+/-39.778 χ^2/NDF: 14.1/24

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

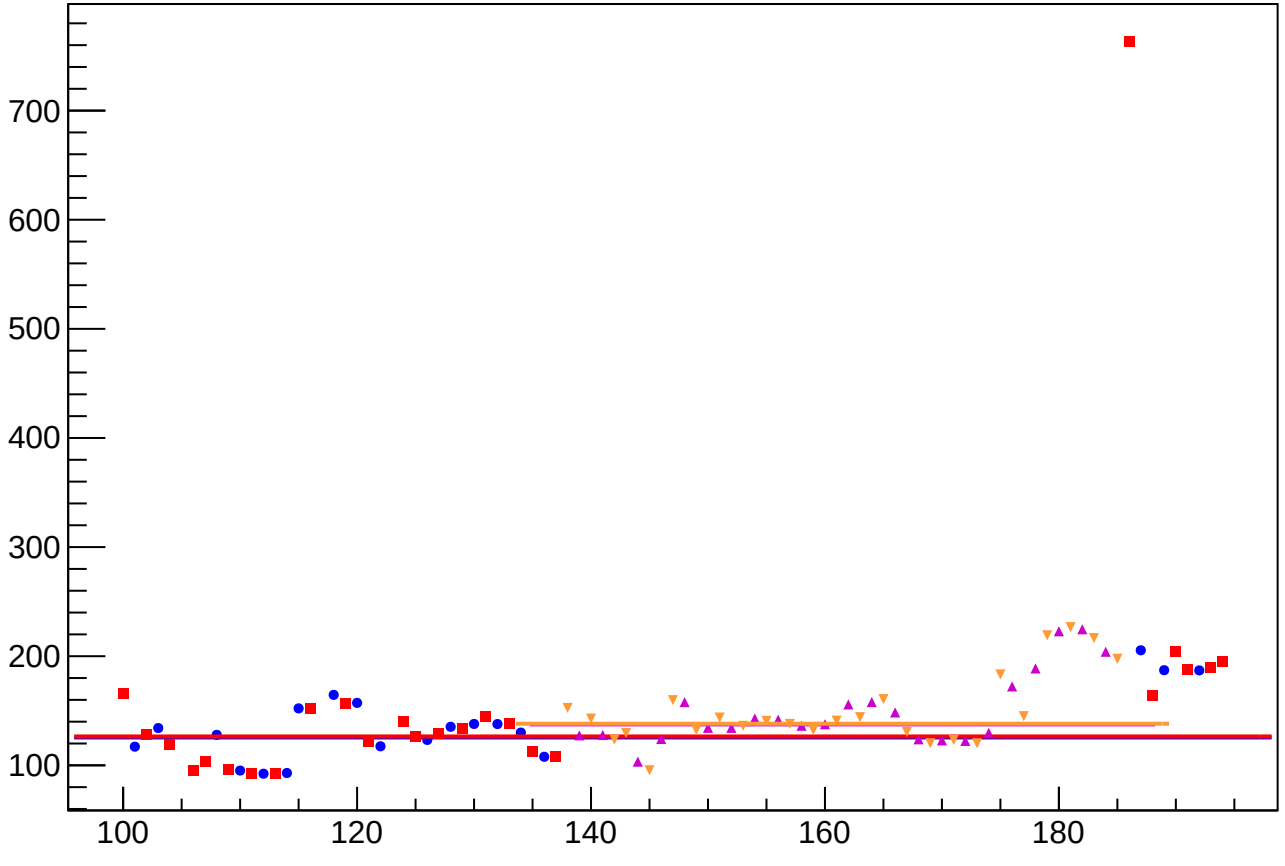
Right: 145.442+/-29.267 χ^2/NDF: 30.7/43

In: 215.656+/-26.174 χ^2/NDF:50.2/41

Out: 212.439+/-24.999 χ^2/NDF:40.1/49

All: 213.973+/-18.078 χ^2/NDF: 90.3/91

eigen_dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 125.549+/-0.031 χ^2/NDF: 792893.3/18

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 126.465+/-0.028 χ^2/NDF: 1749905.7/24

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

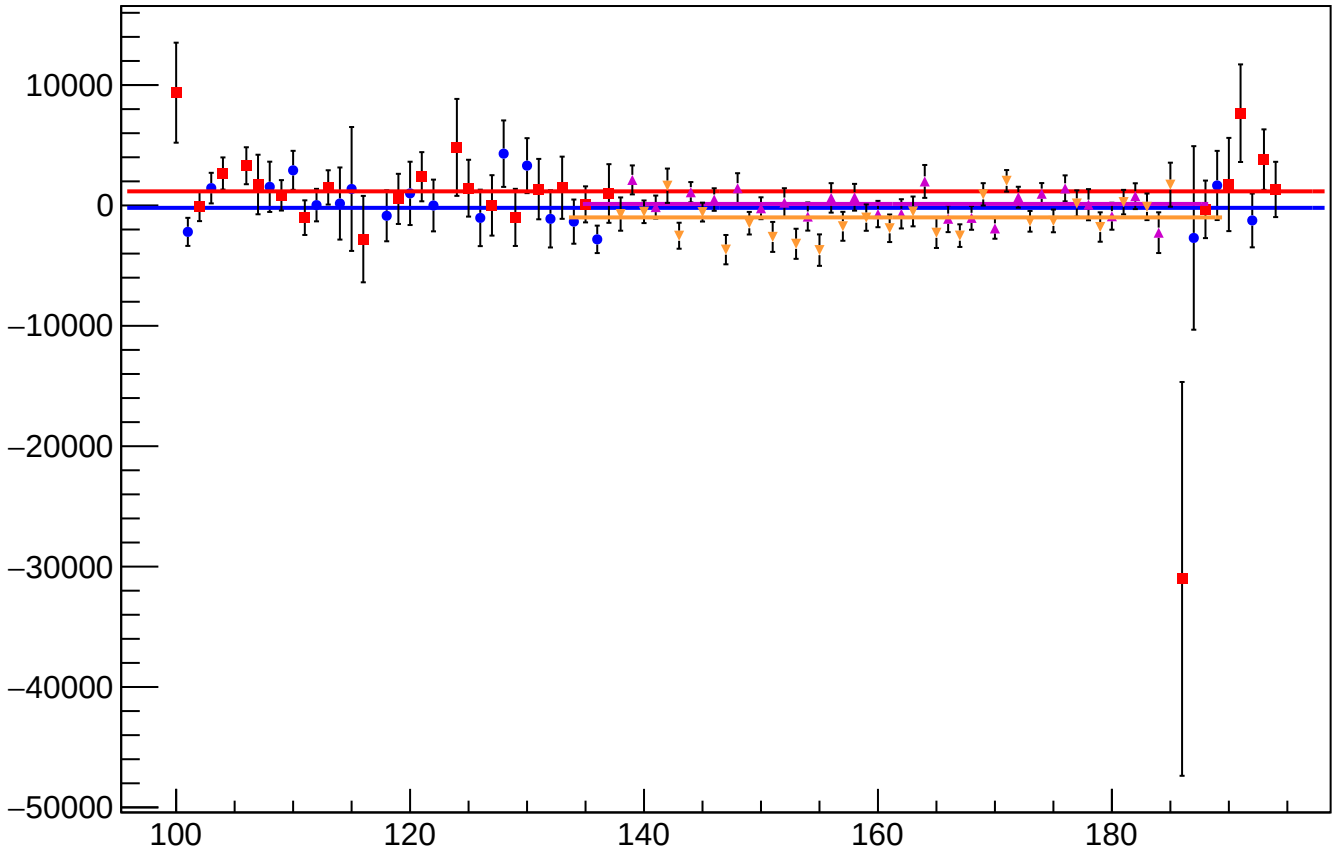
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 126.045+/-0.021 χ^2/NDF: 2543285.4/43

In: 133.111+/-0.019 χ^2/NDF:1998916.0/41

Out: 133.521+/-0.018 χ^2/NDF:3192235.1/49

All: 133.325+/-0.013 χ^2/NDF: 5191408.3/91



Right In: -200.525+/-432.904 χ^2/NDF: 21.1/18

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: 1169.922+/-402.708 χ^2/NDF: 22.6/24

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

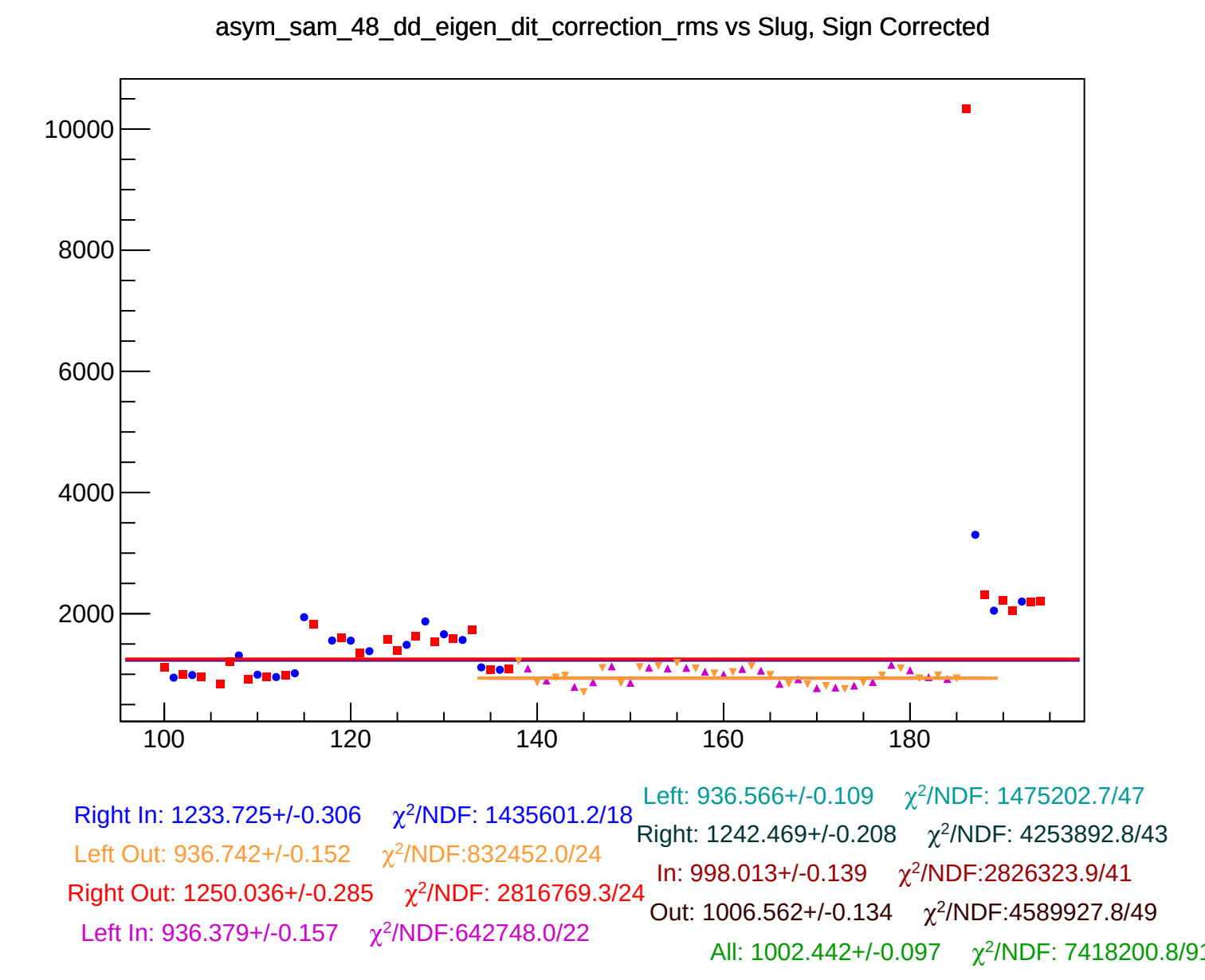
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 534.157+/-294.855 χ^2/NDF: 49.1/43

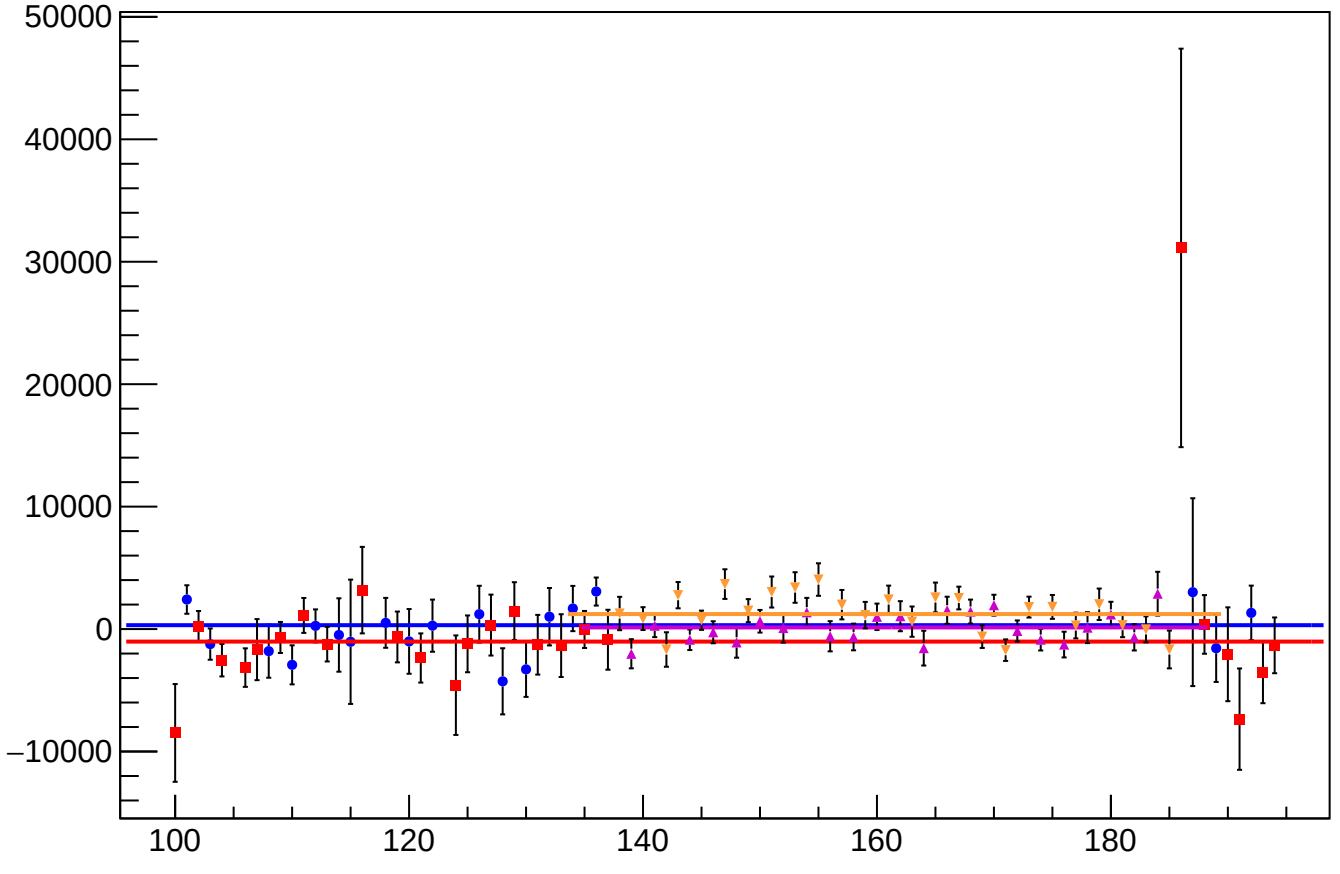
In: 57.411+/-197.093 χ^2/NDF:45.4/41

Out: -511.160+/-190.109 χ^2/NDF:91.9/49

All: -237.126+/-136.830 χ^2/NDF: 141.7/91


asym_sam_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
Right In: 1233.725+/-0.306 χ²/NDF: 1435601.2/18
Left Out: 936.742+/-0.152 χ²/NDF:832452.0/24
Right Out: 1250.036+/-0.285 χ²/NDF: 2816769.3/24
Left In: 936.379+/-0.157 χ²/NDF:642748.0/22
Left: 936.566+/-0.109 χ²/NDF: 1475202.7/47
Right: 1242.469+/-0.208 χ²/NDF: 4253892.8/43
In: 998.013+/-0.139 χ²/NDF:2826323.9/41
Out: 1006.562+/-0.134 χ²/NDF:4589927.8/49
All: 1002.442+/-0.097 χ²/NDF: 7418200.8/91

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 317.401+/-431.519 χ^2/NDF: 23.0/18

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: -1023.550+/-402.152 χ^2/NDF: 22.3/24

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

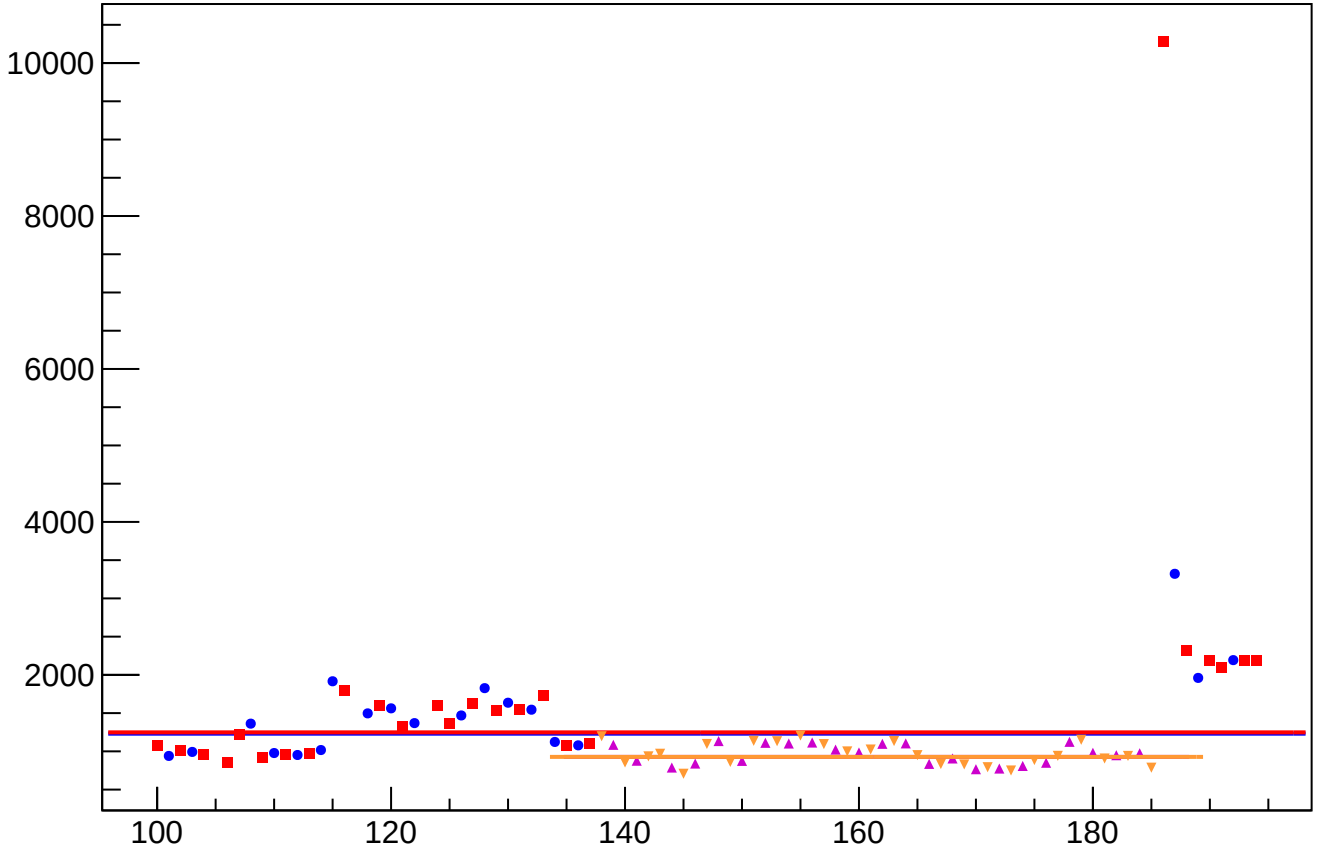
Right: -400.252+/-294.199 χ^2/NDF: 50.4/43

In: 170.712+/-195.486 χ^2/NDF:49.0/41

Out: 729.764+/-188.809 χ^2/NDF:95.2/49

All: 459.948+/-135.808 χ^2/NDF: 148.4/91

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1230.986+/-0.305 χ^2/NDF: 1381916.5/18

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1248.358+/-0.284 χ^2/NDF: 2775915.5/24

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

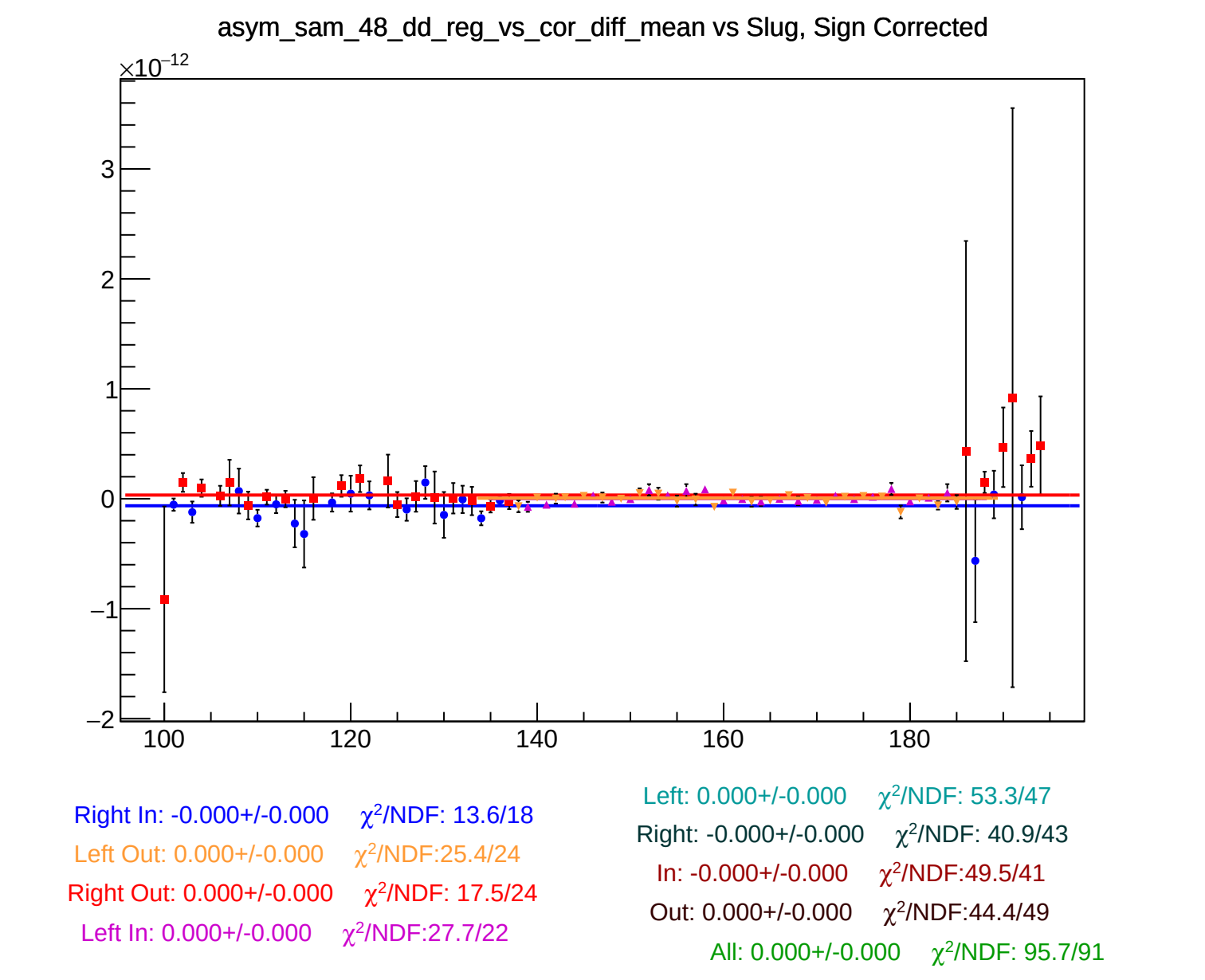
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

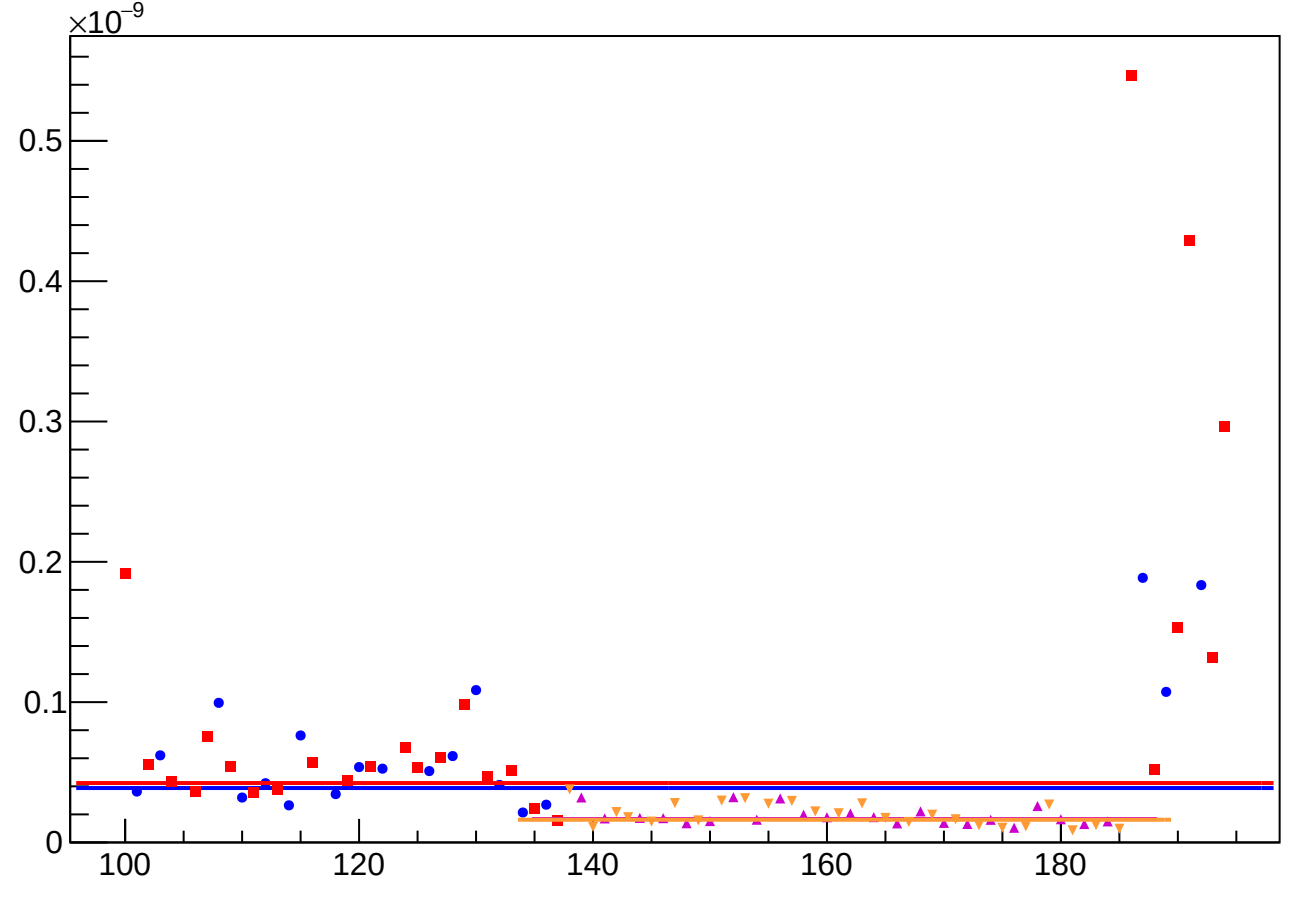
Right: 1240.284+/-0.208 χ^2/NDF: 4159566.7/43

In: 989.641+/-0.138 χ^2/NDF:2825619.8/41

Out: 998.311+/-0.134 χ^2/NDF:4642868.2/49

All: 994.127+/-0.096 χ^2/NDF: 7470523.5/91


asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 13.6/18
Left Out: 0.000+/-0.000 χ²/NDF:25.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 17.5/24
Left In: 0.000+/-0.000 χ²/NDF:27.7/22
Left: 0.000+/-0.000 χ²/NDF: 53.3/47
Right: -0.000+/-0.000 χ²/NDF: 40.9/43
In: -0.000+/-0.000 χ²/NDF:49.5/41
Out: 0.000+/-0.000 χ²/NDF:44.4/49
All: 0.000+/-0.000 χ²/NDF: 95.7/91



Right In: 0.000+/-0.000 χ^2/NDF: 1849088.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2213814.1/24

Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

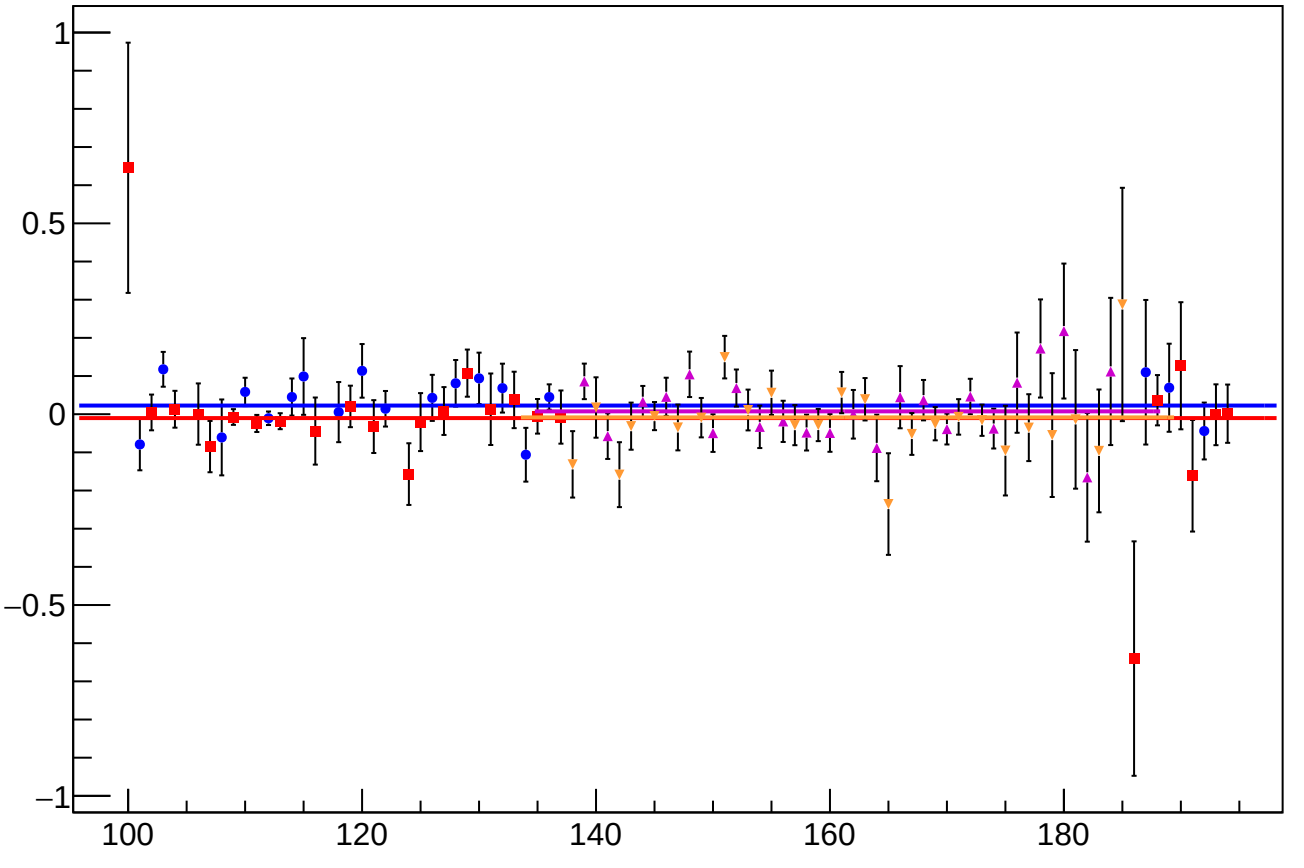
Left: 0.000+/-0.000 χ^2/NDF: 2943547.5/47

Right: 0.000+/-0.000 χ^2/NDF: 4089236.8/43

In: 0.000+/-0.000 χ^2/NDF:4675820.3/41

Out: 0.000+/-0.000 χ^2/NDF:6760494.7/49

All: 0.000+/-0.000 χ^2/NDF: 11441919.7/91



Right In: 0.023+/-0.011 χ^2/NDF: 21.9/18

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.010+/-0.010 χ^2/NDF: 20.7/24

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

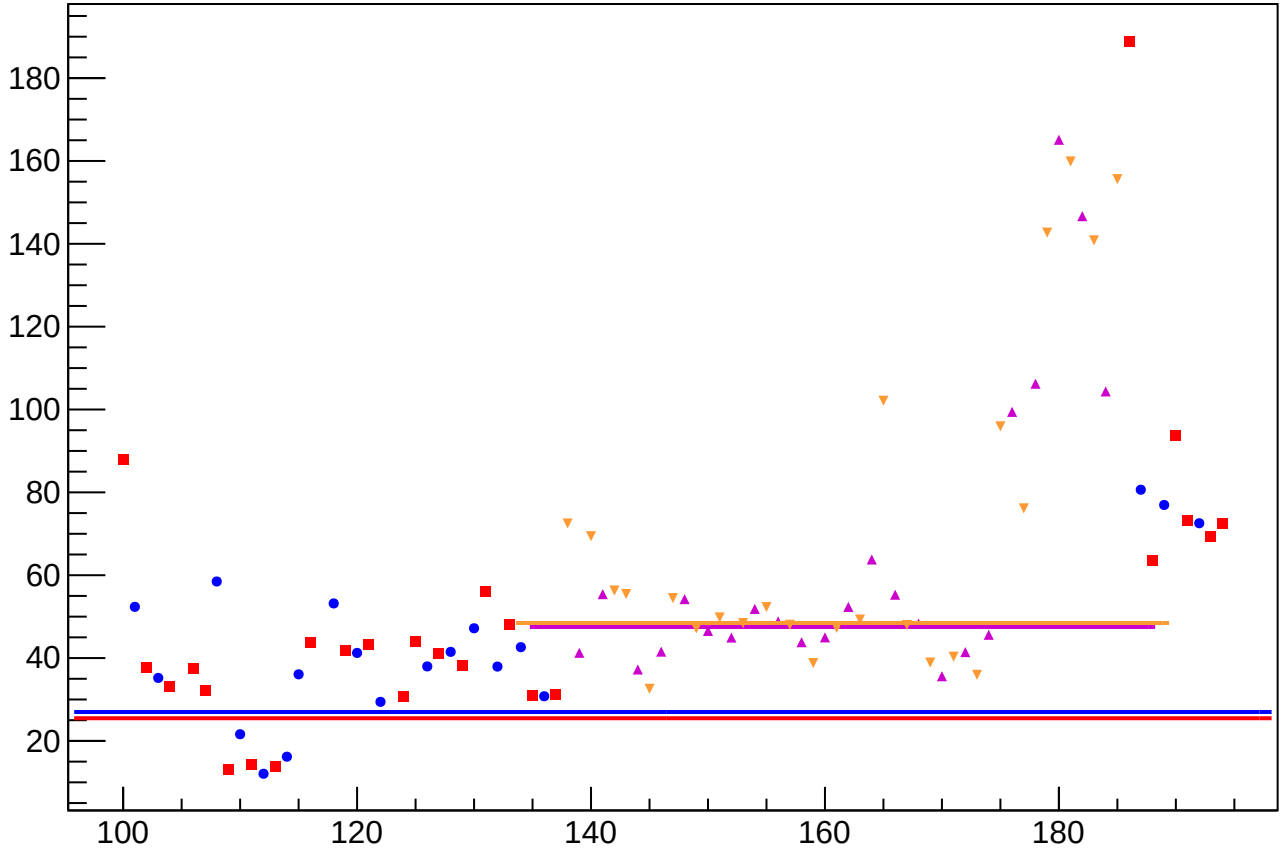
Right: 0.004+/-0.007 χ^2/NDF: 47.8/43

In: 0.016+/-0.008 χ^2/NDF:46.0/41

Out: -0.010+/-0.007 χ^2/NDF:43.9/49

All: 0.002+/-0.005 χ^2/NDF: 95.3/91

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.983+/-0.008 χ^2/NDF: 4253645.2/18

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 25.473+/-0.007 χ^2/NDF: 6467890.6/24

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

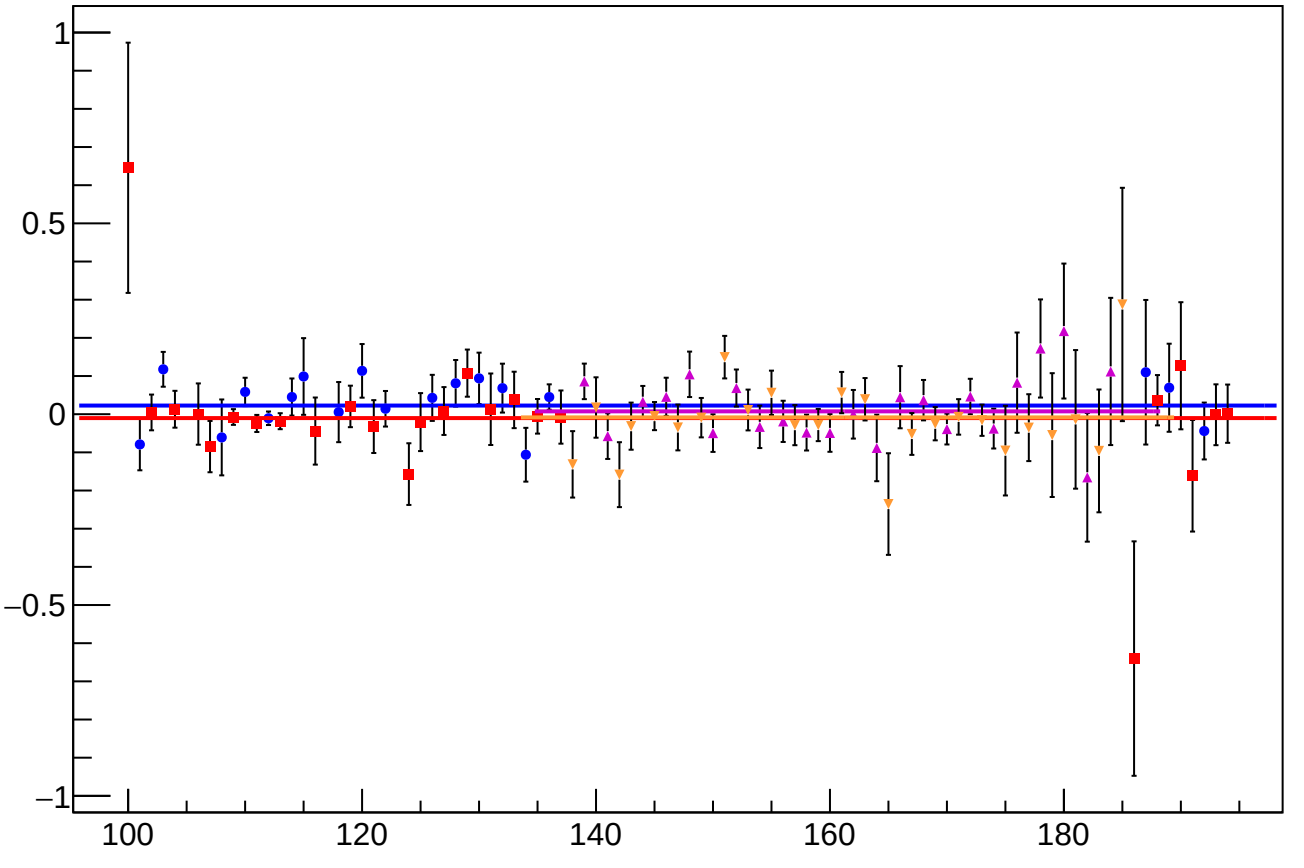
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 26.127+/-0.005 χ^2/NDF: 10743374.8/43

In: 36.216+/-0.006 χ^2/NDF:10529247.1/41

Out: 34.337+/-0.005 χ^2/NDF:15351079.1/49

All: 35.202+/-0.004 χ^2/NDF: 25938871.3/91



Right In: 0.023+/-0.011 χ^2/NDF: 21.9/18

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.010+/-0.010 χ^2/NDF: 20.7/24

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

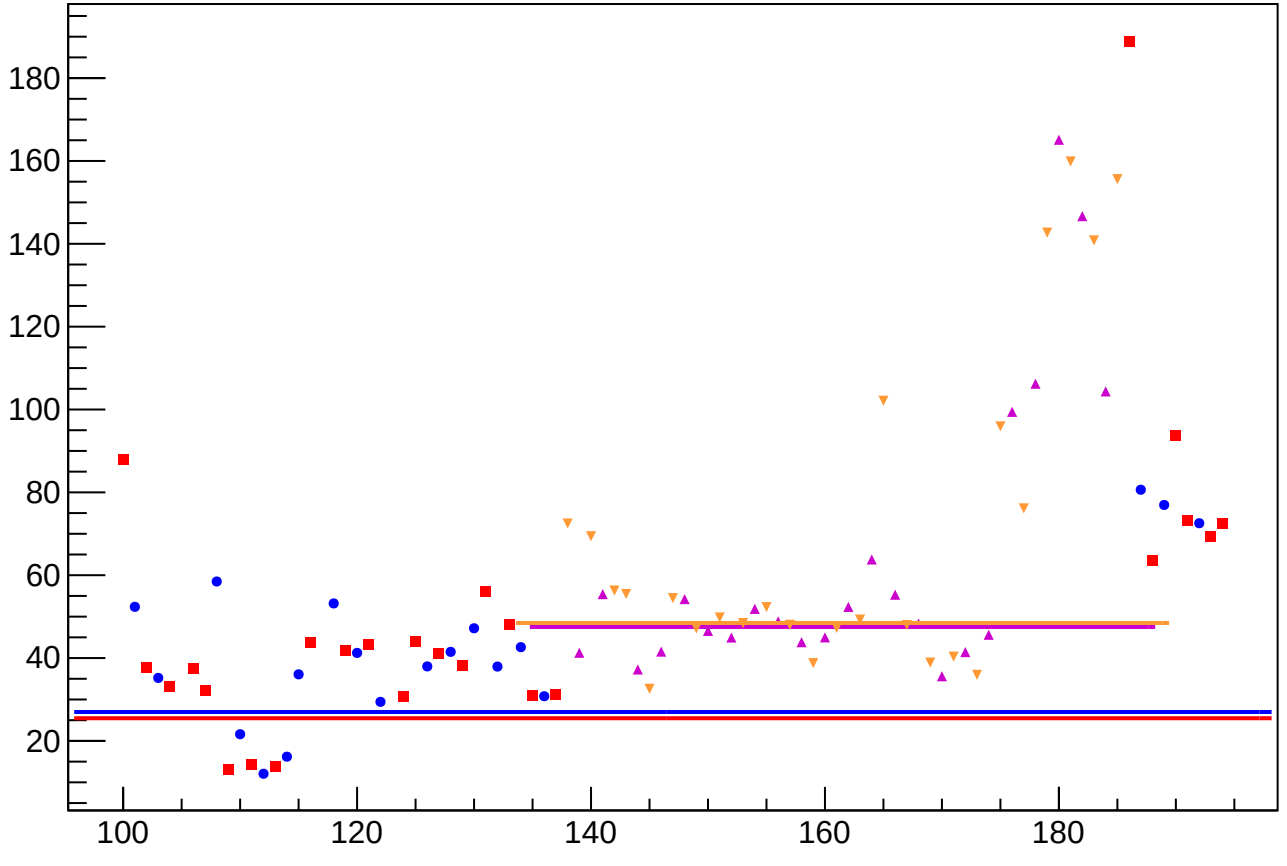
Right: 0.004+/-0.007 χ^2/NDF: 47.8/43

In: 0.016+/-0.008 χ^2/NDF:46.0/41

Out: -0.010+/-0.007 χ^2/NDF:43.9/49

All: 0.002+/-0.005 χ^2/NDF: 95.3/91

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.983+/-0.008 χ^2/NDF: 4253645.2/18

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 25.473+/-0.007 χ^2/NDF: 6467890.6/24

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

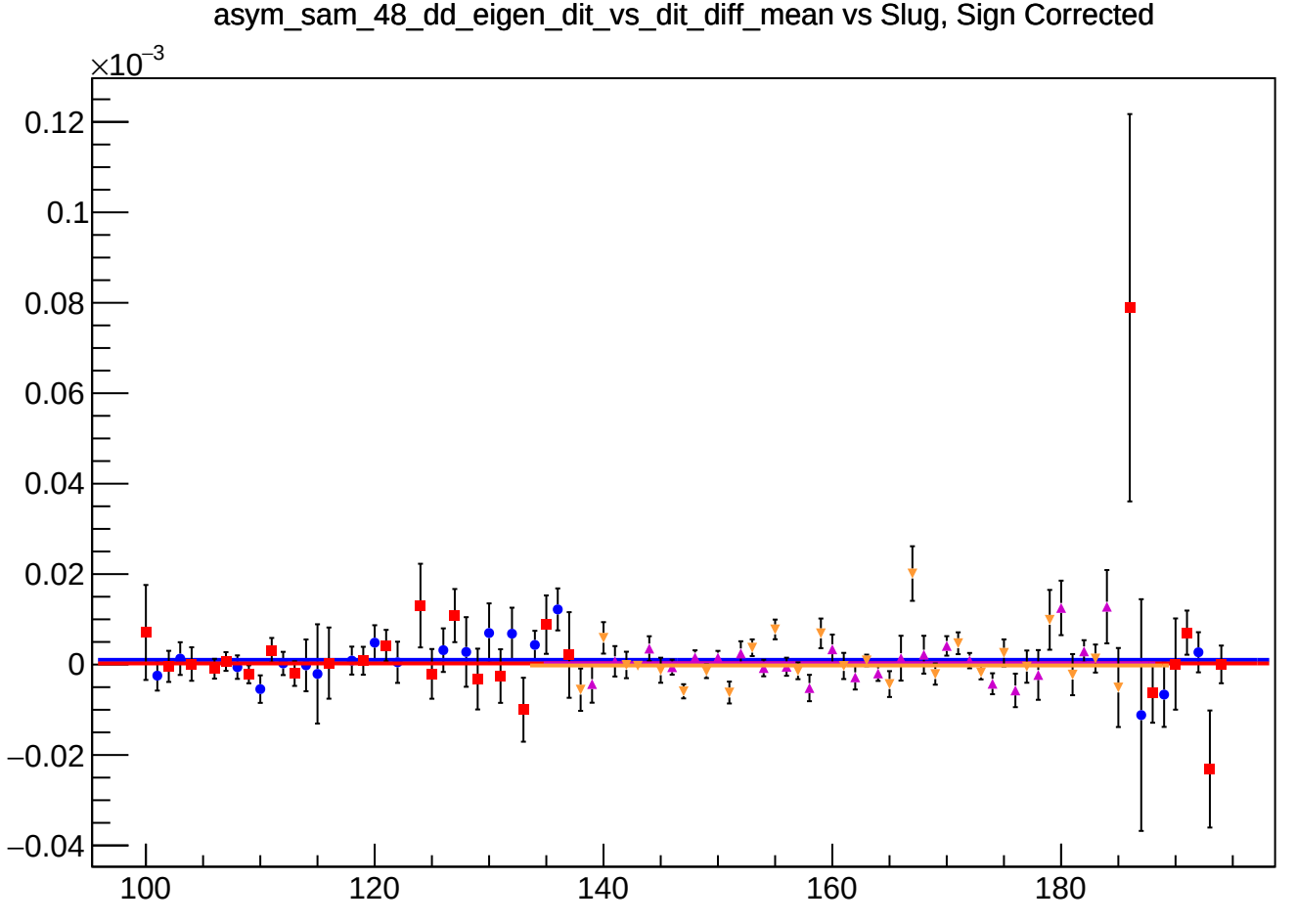
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 26.127+/-0.005 χ^2/NDF: 10743374.8/43

In: 36.216+/-0.006 χ^2/NDF:10529247.1/41

Out: 34.337+/-0.005 χ^2/NDF:15351079.1/49

All: 35.202+/-0.004 χ^2/NDF: 25938871.3/91



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/24

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

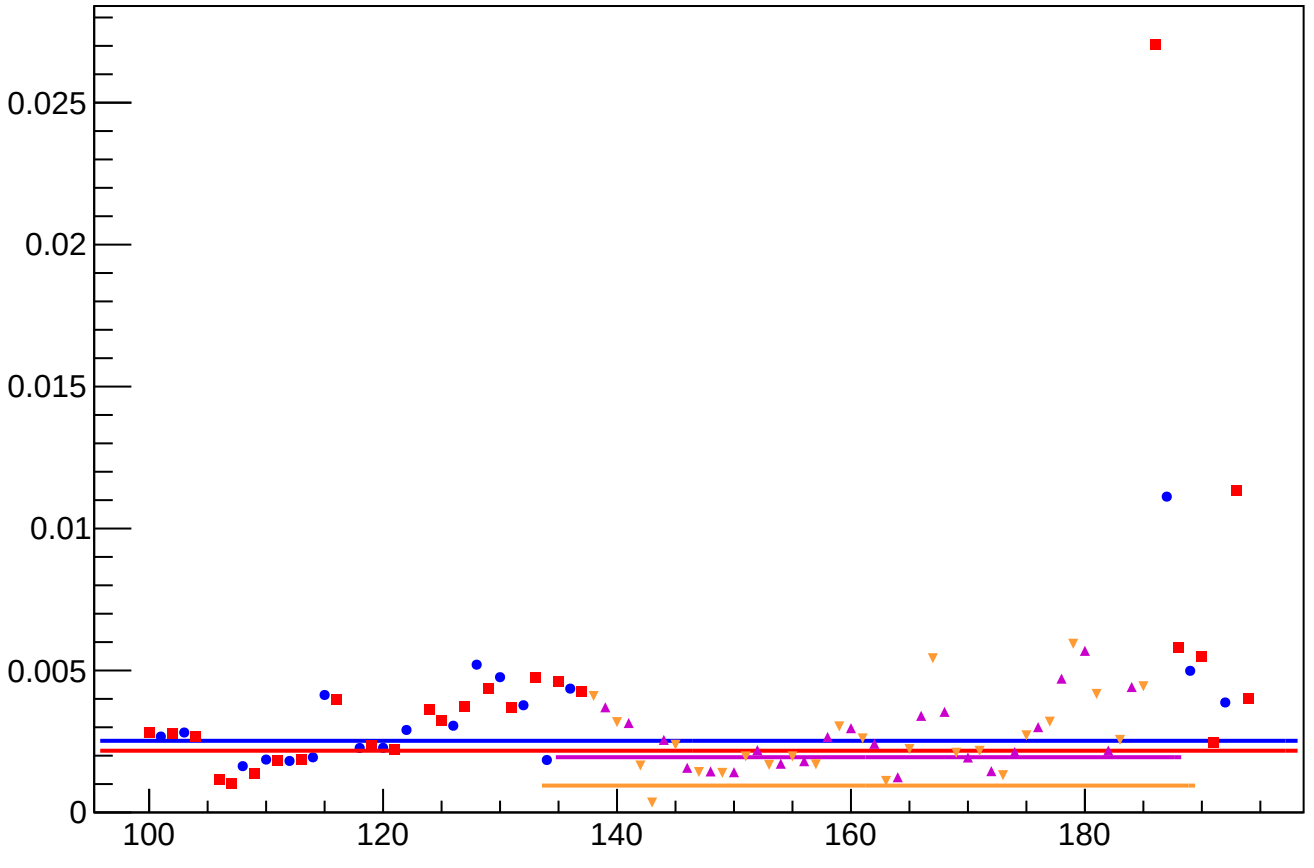
Left: -0.000+/-0.000 χ^2/NDF: 103.2/47

Right: 0.000+/-0.000 χ^2/NDF: 42.8/43

In: 0.000+/-0.000 χ^2/NDF:49.2/41

Out: -0.000+/-0.000 χ^2/NDF:96.6/49

All: 0.000+/-0.000 χ^2/NDF: 147.0/91



Right In: 0.003+/-0.000 χ^2/NDF: 2251401.4/18

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5770433.2/24

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

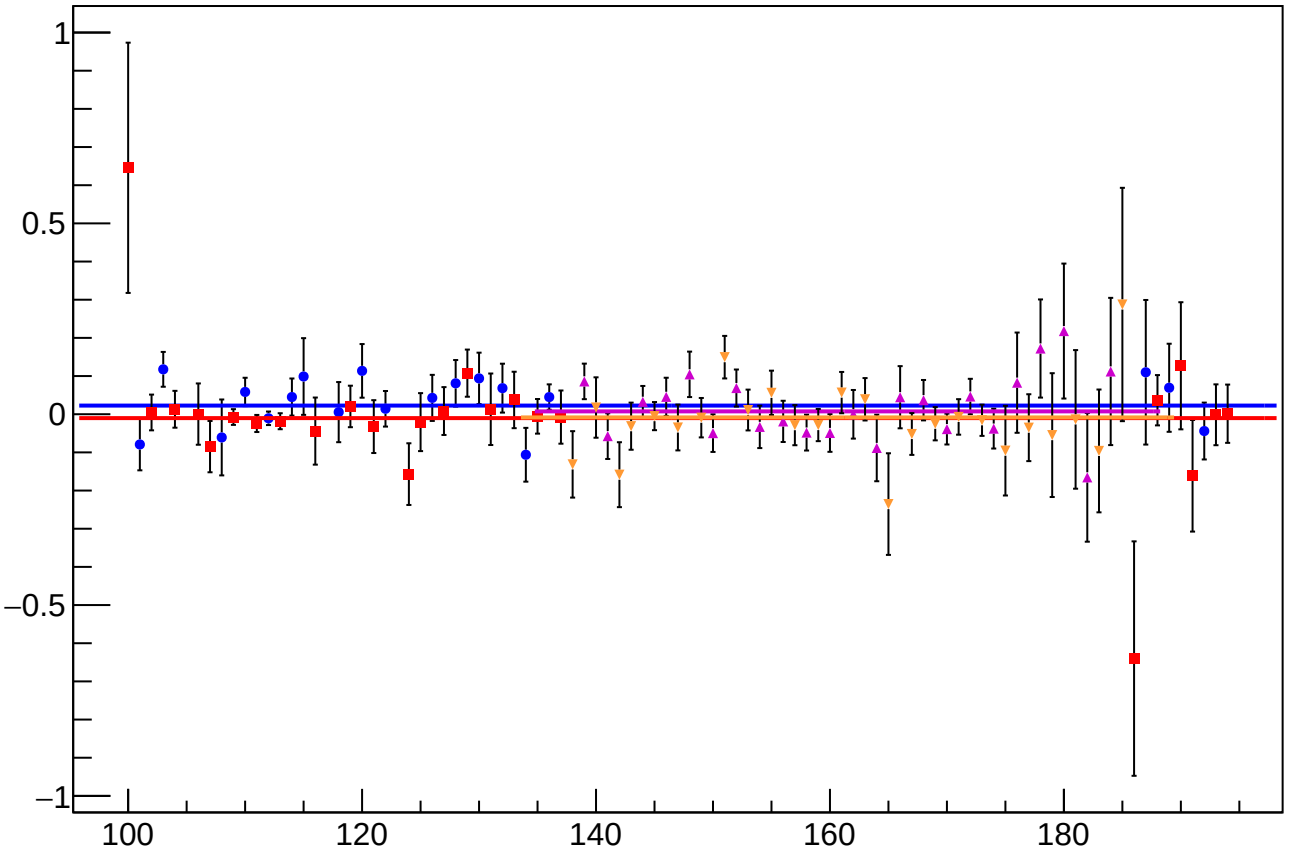
Left: 0.001+/-0.000 χ^2/NDF: 27882769.2/47

Right: 0.002+/-0.000 χ^2/NDF: 8188808.4/43

In: 0.002+/-0.000 χ^2/NDF:7219029.0/41

Out: 0.001+/-0.000 χ^2/NDF:27709346.0/49

All: 0.001+/-0.000 χ^2/NDF: 41861630.6/91



Right In: 0.023+/-0.011 χ^2/NDF: 21.9/18

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.010+/-0.010 χ^2/NDF: 20.7/24

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

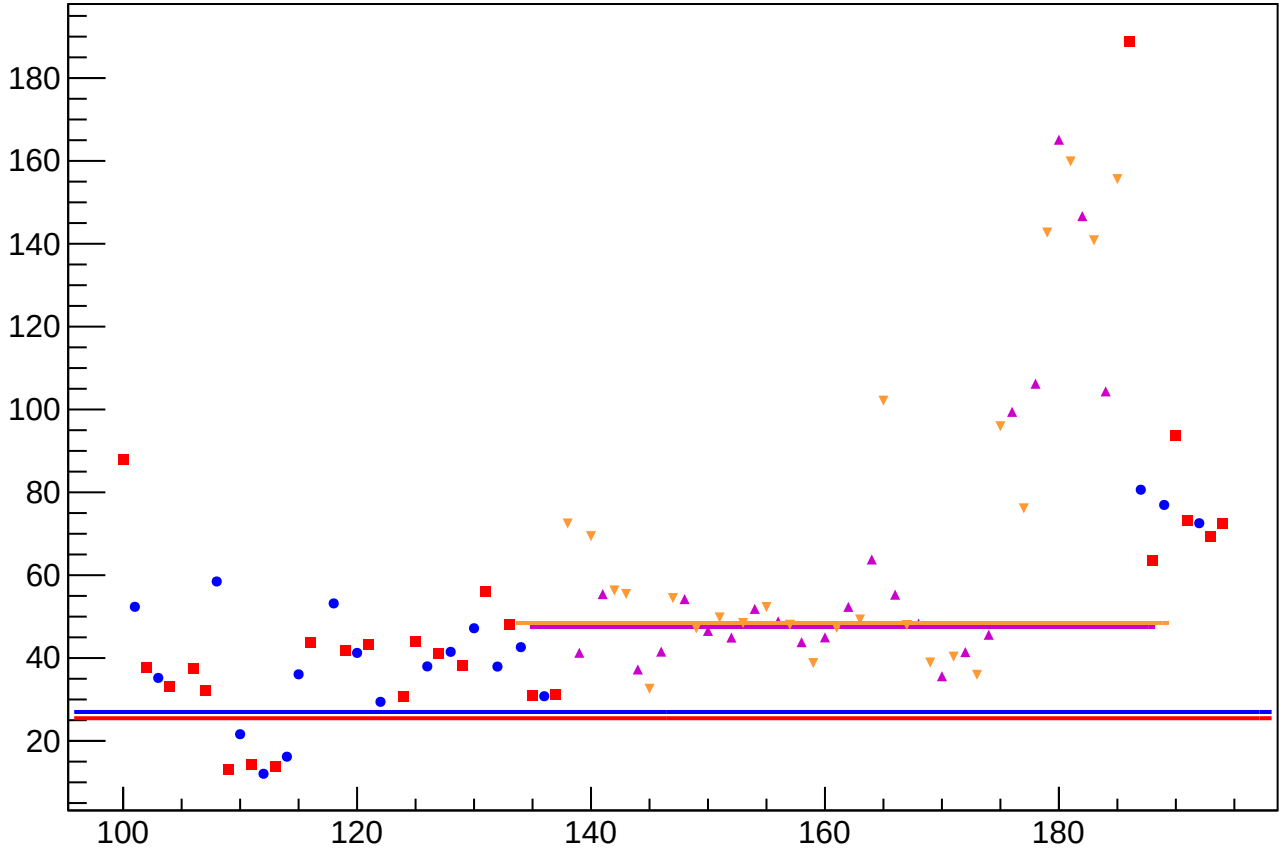
Right: 0.004+/-0.007 χ^2/NDF: 47.8/43

In: 0.016+/-0.008 χ^2/NDF:46.0/41

Out: -0.010+/-0.007 χ^2/NDF:43.9/49

All: 0.002+/-0.005 χ^2/NDF: 95.3/91

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.982+/-0.008 χ^2/NDF: 4254118.8/18

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 25.473+/-0.007 χ^2/NDF: 6468068.4/24

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

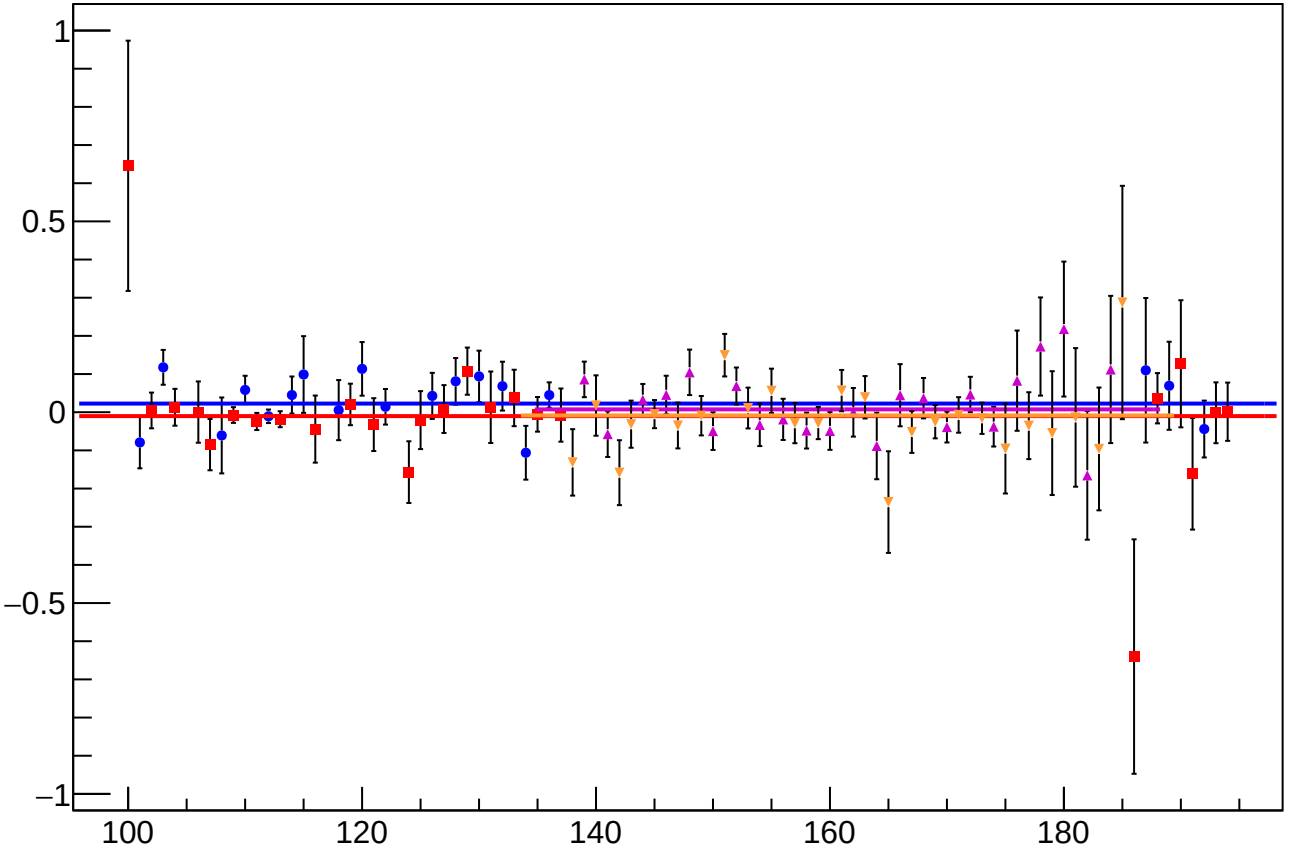
Right: 26.126+/-0.005 χ^2/NDF: 10743997.5/43

In: 36.215+/-0.006 χ^2/NDF:10530252.7/41

Out: 34.336+/-0.005 χ^2/NDF:15351454.9/49

All: 35.201+/-0.004 χ^2/NDF: 25940207.4/91

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 21.9/18

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.010+/-0.010 χ^2/NDF: 20.7/24

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

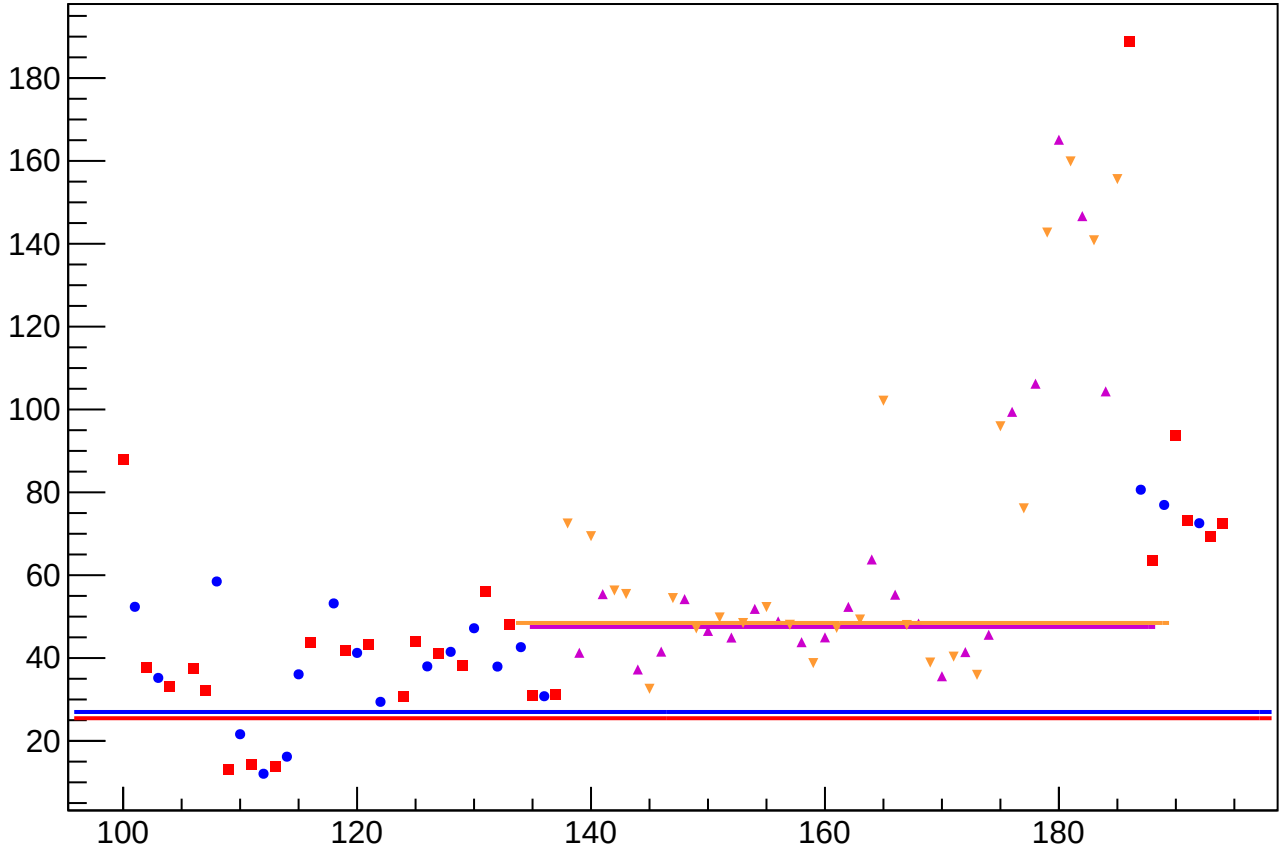
Right: 0.004+/-0.007 χ^2/NDF: 47.8/43

In: 0.016+/-0.008 χ^2/NDF:46.0/41

Out: -0.010+/-0.007 χ^2/NDF:43.9/49

All: 0.002+/-0.005 χ^2/NDF: 95.3/91

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.982+/-0.008 χ^2/NDF: 4254118.8/18

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 25.473+/-0.007 χ^2/NDF: 6468068.4/24

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

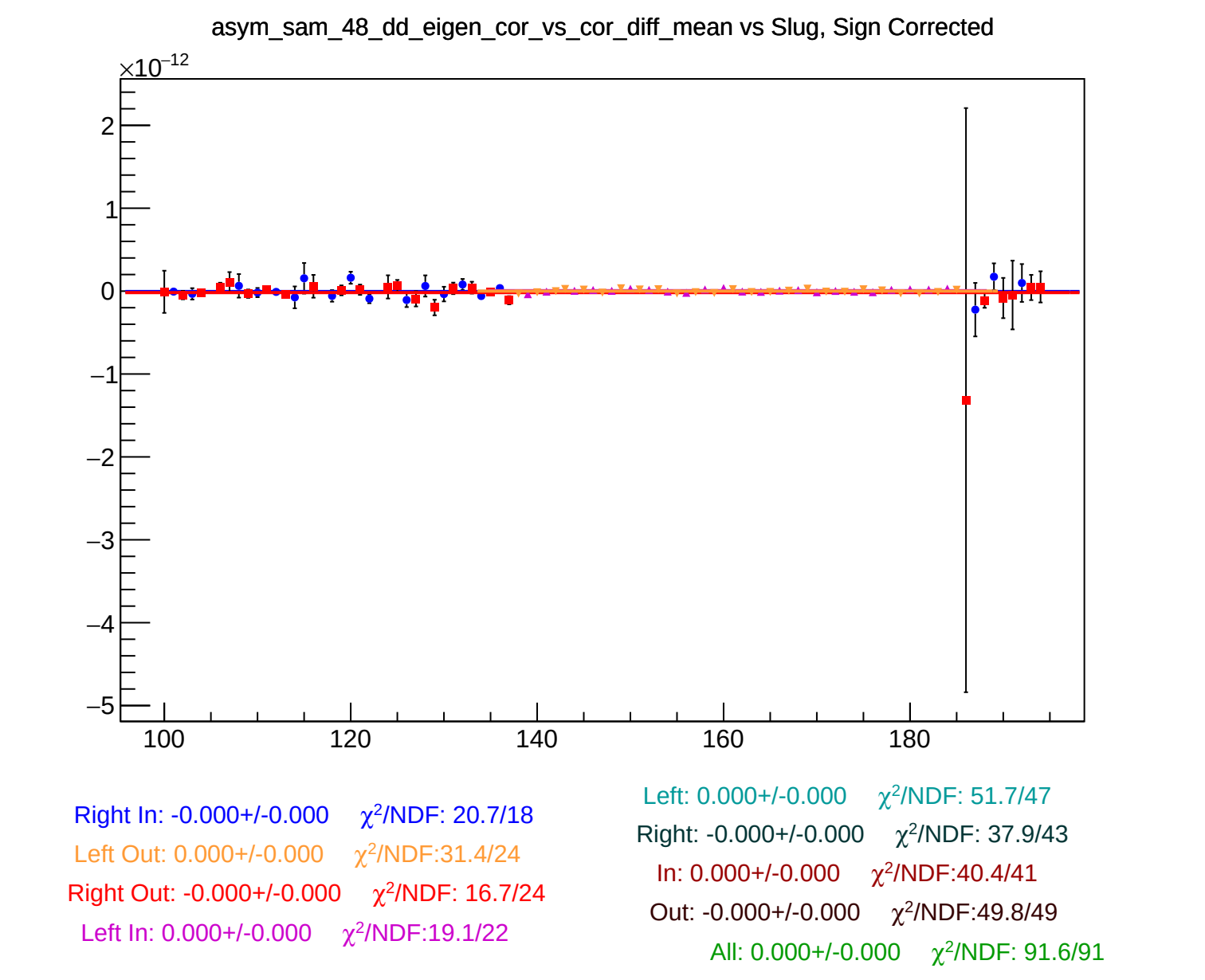
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

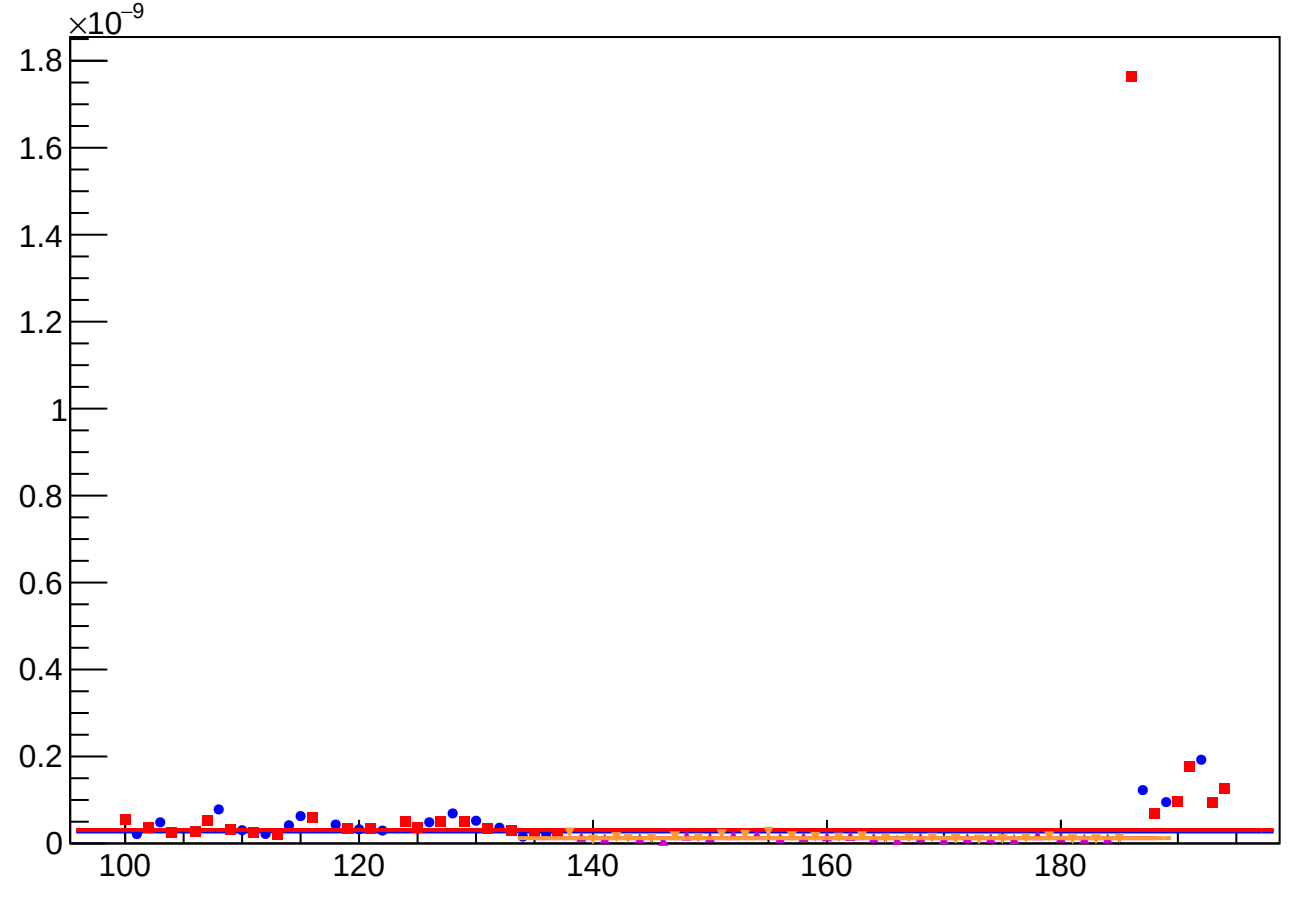
Right: 26.126+/-0.005 χ^2/NDF: 10743997.5/43

In: 36.215+/-0.006 χ^2/NDF:10530252.7/41

Out: 34.336+/-0.005 χ^2/NDF:15351454.9/49

All: 35.201+/-0.004 χ^2/NDF: 25940207.4/91


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
Right In: -0.000+/-0.000 χ²/NDF: 20.7/18
Left Out: 0.000+/-0.000 χ²/NDF:31.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 16.7/24
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: 37.9/43
In: 0.000+/-0.000 χ²/NDF:40.4/41
Out: -0.000+/-0.000 χ²/NDF:49.8/49
All: 0.000+/-0.000 χ²/NDF: 91.6/91



Right In: 0.000+/-0.000 χ^2/NDF: 3273352.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3059446.2/24

Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

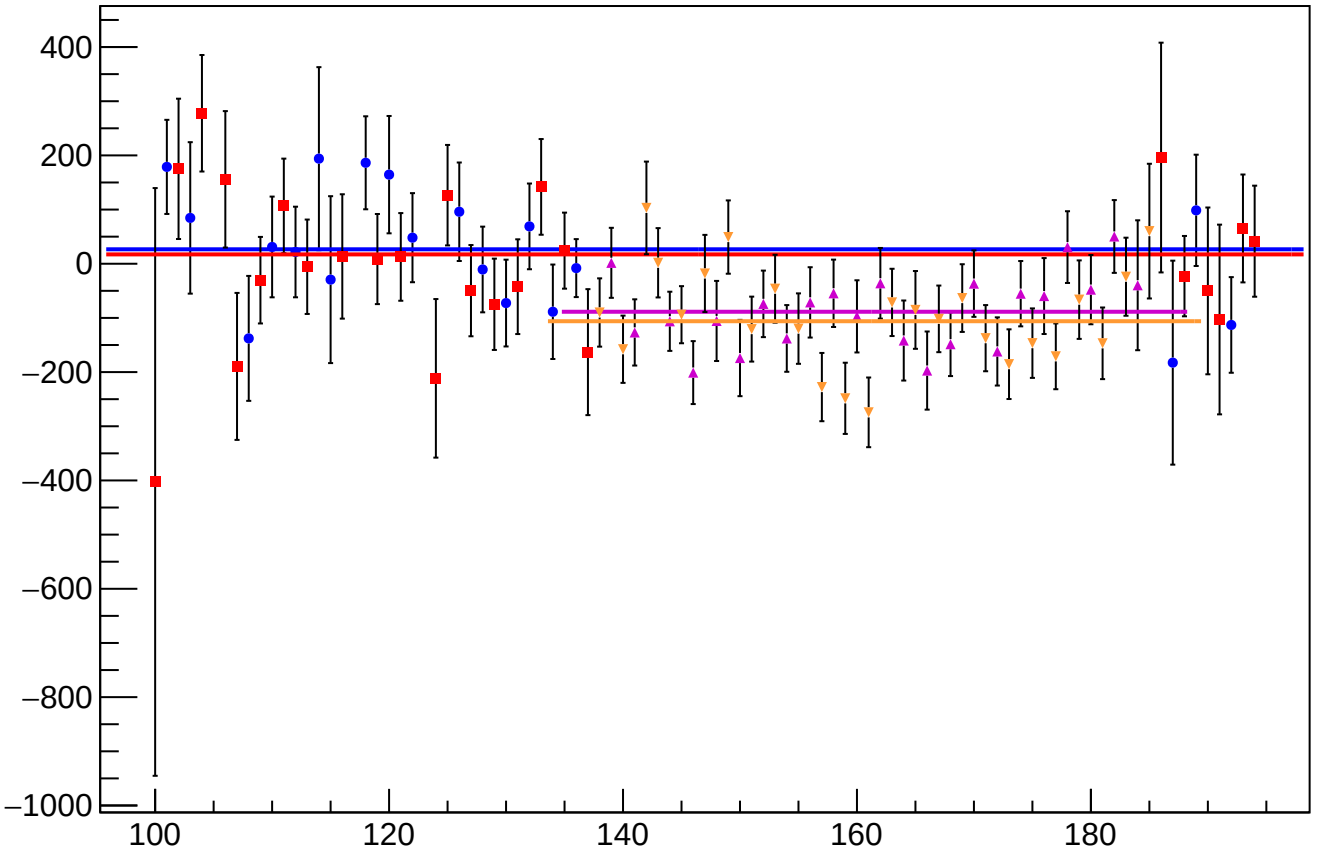
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 6401105.0/43

In: 0.000+/-0.000 χ^2/NDF:7941969.9/41

Out: 0.000+/-0.000 χ^2/NDF:8817862.6/49

All: 0.000+/-0.000 χ^2/NDF: 16761601.0/91



Right In: 26.682+/-20.886 χ^2/NDF: 20.6/18

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: 17.253+/-19.938 χ^2/NDF: 25.5/24

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

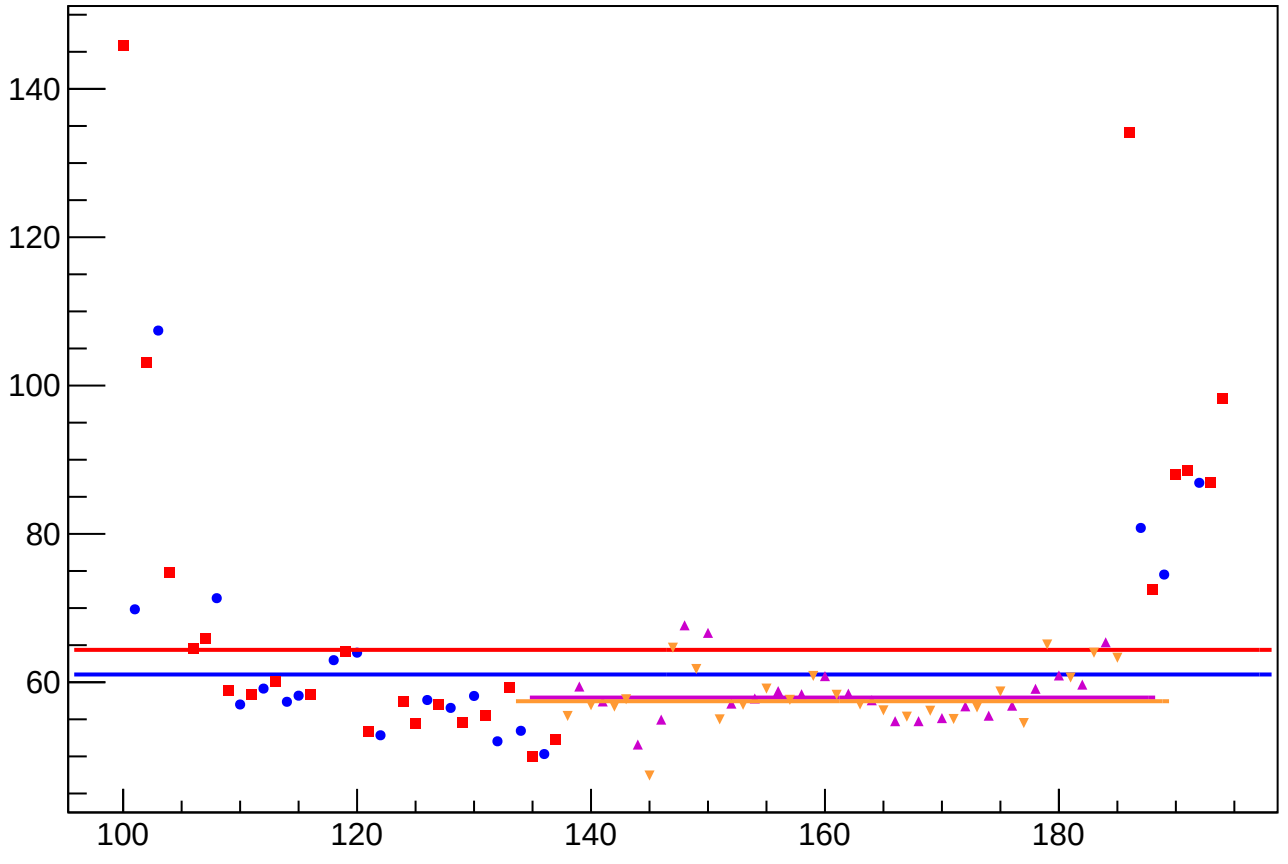
Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

Right: 21.749+/-14.422 χ^2/NDF: 46.1/43

In: -54.407+/-11.377 χ^2/NDF:65.9/41

Out: -68.949+/-10.942 χ^2/NDF:92.9/49

All: -61.961+/-7.886 χ^2/NDF: 159.6/91



Right In: 61.045+/-0.015 χ^2/NDF: 646606.7/18

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 64.365+/-0.014 χ^2/NDF: 1159072.0/24

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

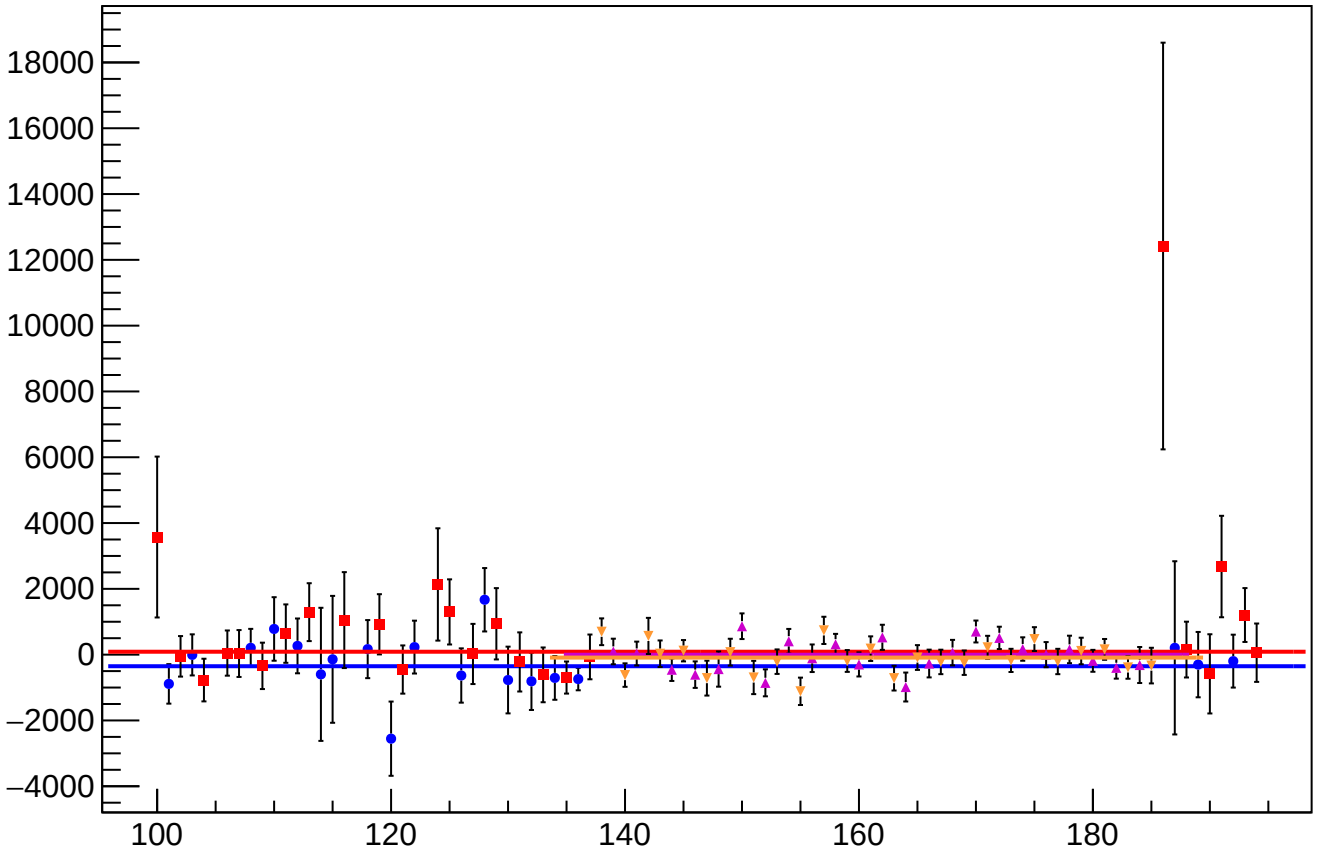
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 62.782+/-0.010 χ^2/NDF: 1832111.4/43

In: 58.856+/-0.008 χ^2/NDF:813750.3/41

Out: 59.526+/-0.008 χ^2/NDF:1502215.8/49

All: 59.204+/-0.006 χ^2/NDF: 2319563.9/91



Right In: -352.009+/-173.124 χ^2/NDF: 15.3/18

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: 88.761+/-168.735 χ^2/NDF: 24.3/24

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

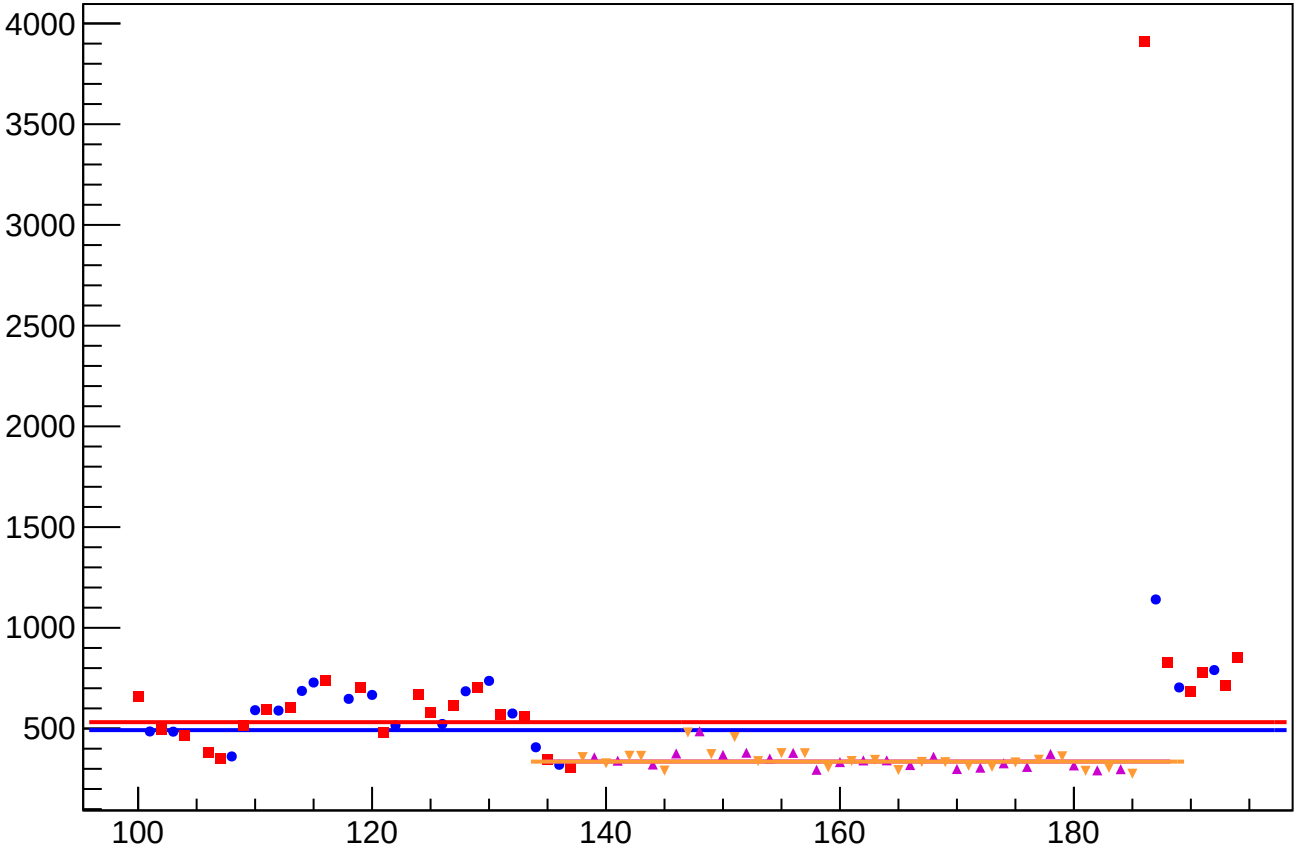
Right: -125.966+/-120.836 χ^2/NDF: 42.9/43

In: -63.430+/-72.016 χ^2/NDF:52.3/41

Out: -58.404+/-70.059 χ^2/NDF:55.1/49

All: -60.848+/-50.217 χ^2/NDF: 107.4/91

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 492.170+/-0.122 χ^2/NDF: 1556350.0/18

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 531.677+/-0.119 χ^2/NDF: 2292579.2/24

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

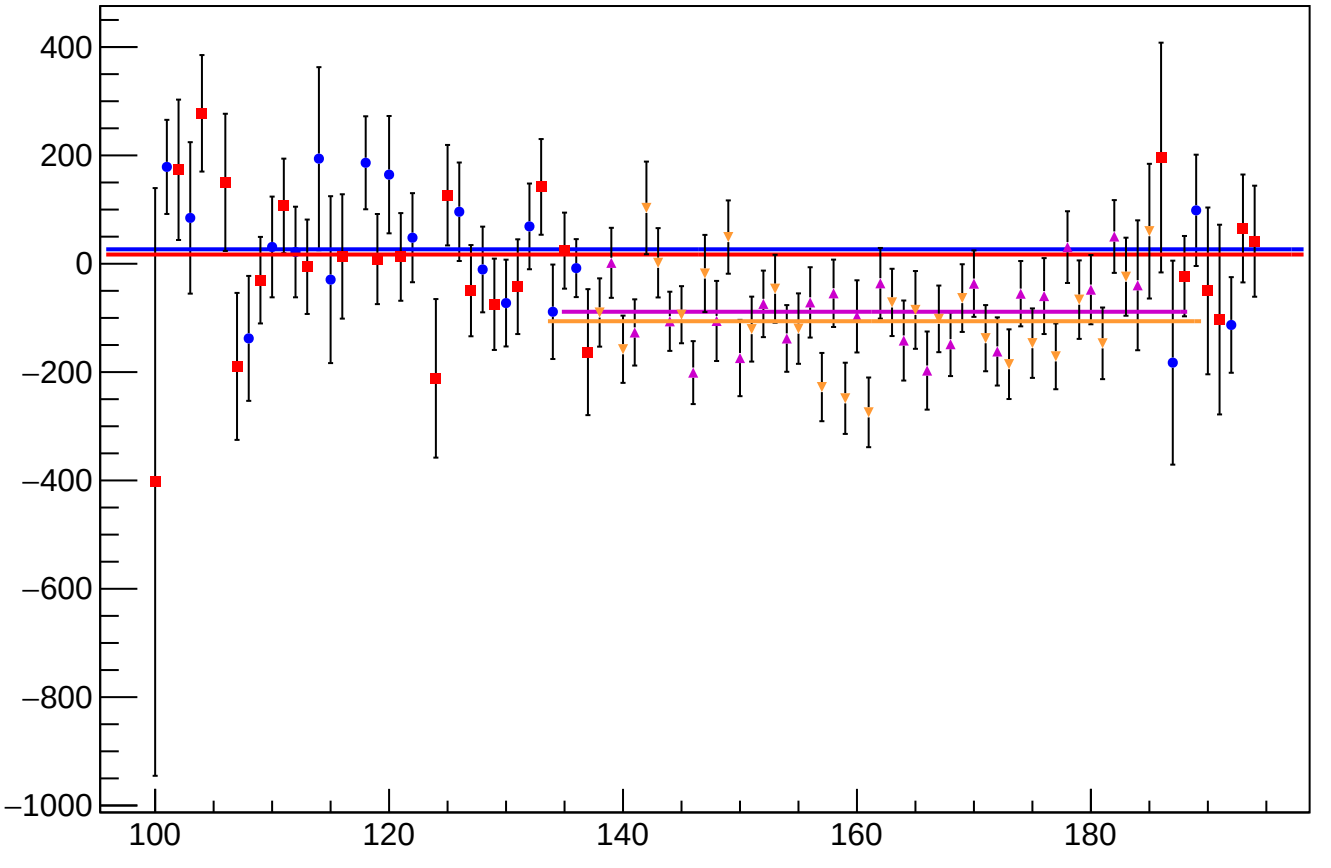
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 512.431+/-0.085 χ^2/NDF: 3902342.3/43

In: 363.307+/-0.051 χ^2/NDF:3310493.8/41

Out: 369.646+/-0.050 χ^2/NDF:5054814.5/49

All: 366.564+/-0.036 χ^2/NDF: 8373268.3/91



Right In: 26.680+/-20.886 χ^2/NDF: 20.6/18

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 17.028+/-19.941 χ^2/NDF: 25.3/24

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

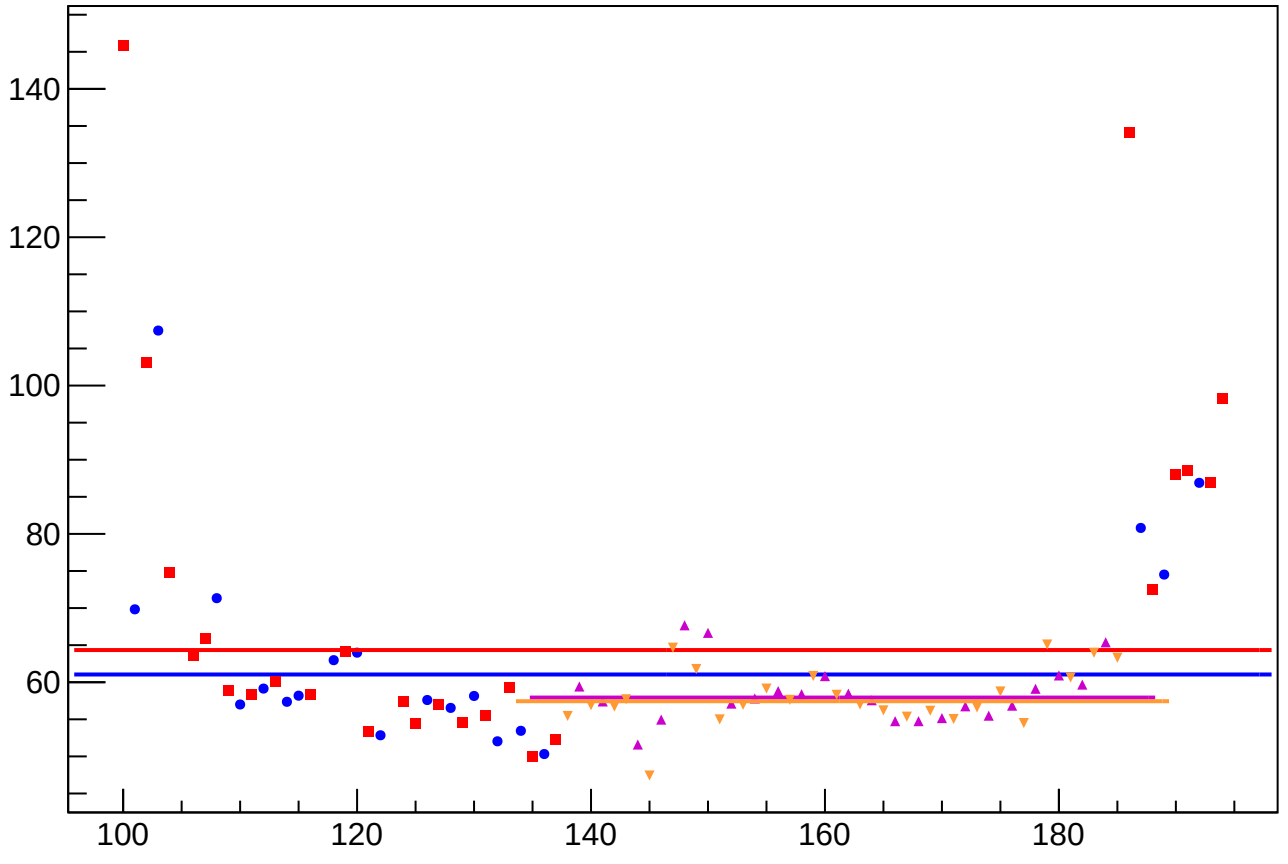
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 21.631+/-14.423 χ^2/NDF: 46.0/43

In: -54.409+/-11.377 χ^2/NDF:65.9/41

Out: -69.024+/-10.942 χ^2/NDF:92.6/49

All: -62.001+/-7.887 χ^2/NDF: 159.4/91



Right In: 61.045+/-0.015 χ^2/NDF: 646608.7/18

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 64.341+/-0.014 χ^2/NDF: 1159355.3/24

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

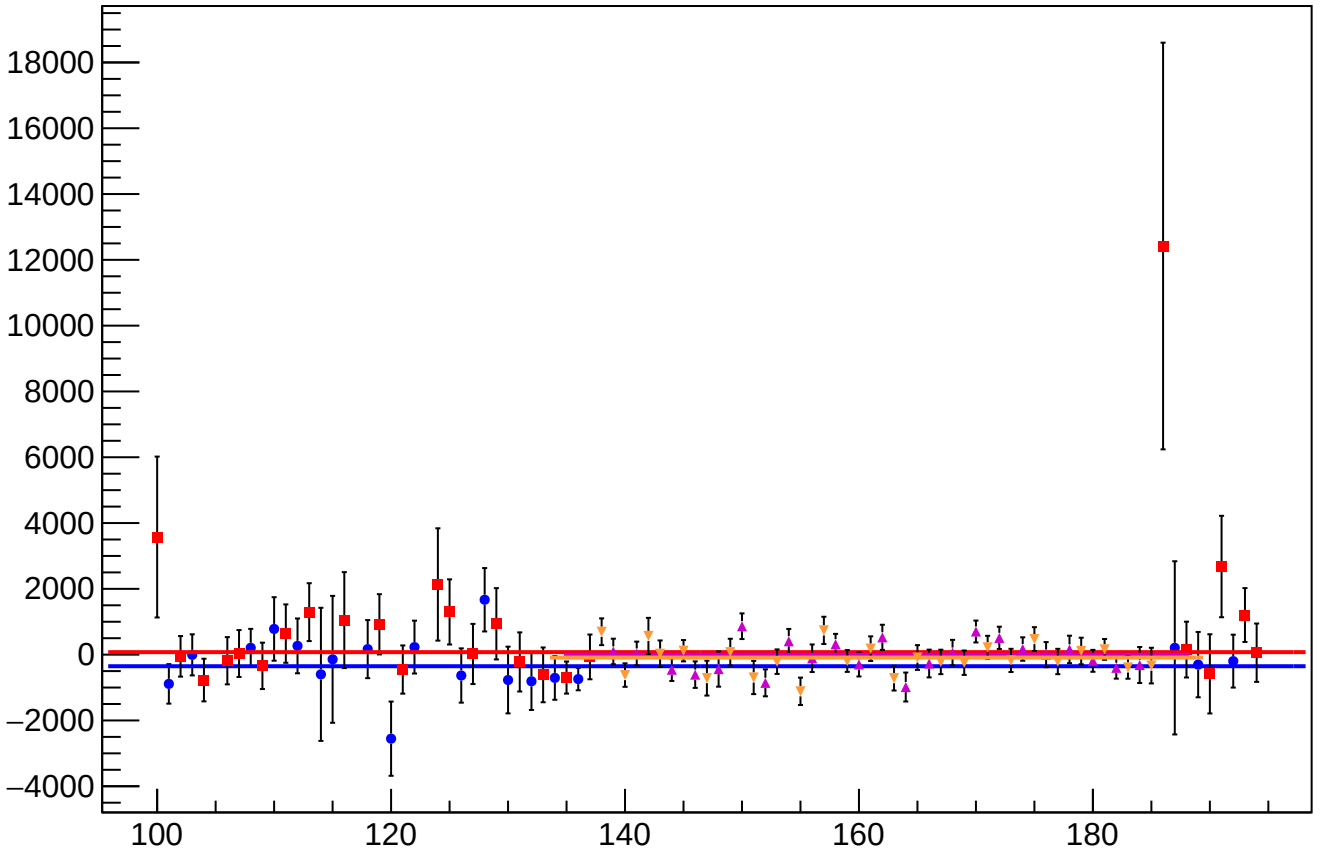
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 62.769+/-0.010 χ^2/NDF: 1832007.1/43

In: 58.856+/-0.008 χ^2/NDF:813752.4/41

Out: 59.518+/-0.008 χ^2/NDF:1501282.1/49

All: 59.200+/-0.006 χ^2/NDF: 2318549.3/91



Right In: -351.975+/-173.125 χ^2/NDF: 15.3/18

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 76.064+/-169.177 χ^2/NDF: 24.4/24

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

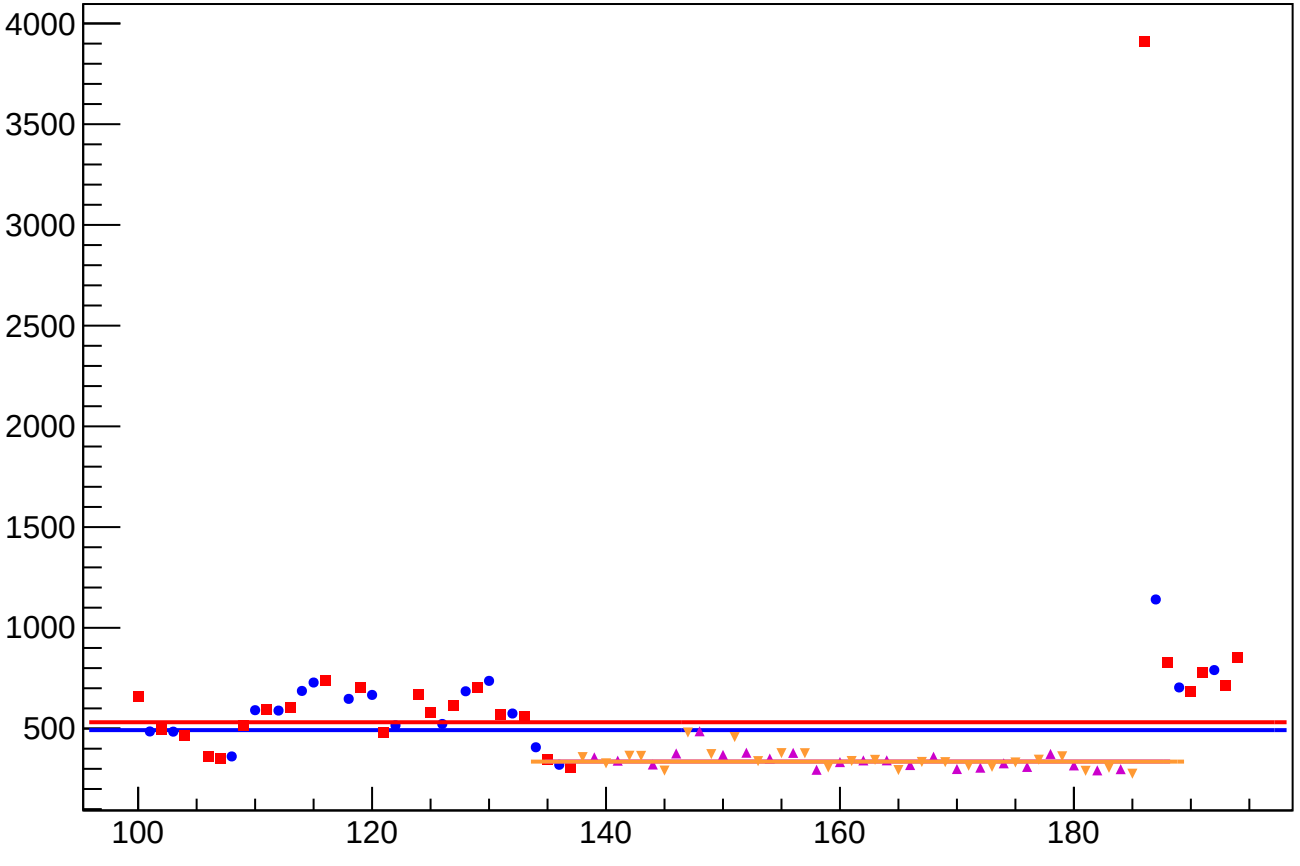
Right: -133.020+/-120.998 χ^2/NDF: 42.9/43

In: -63.425+/-72.016 χ^2/NDF:52.3/41

Out: -60.718+/-70.091 χ^2/NDF:55.1/49

All: -62.035+/-50.229 χ^2/NDF: 107.4/91

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 492.173+/-0.122 χ^2/NDF: 1556344.7/18

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 531.322+/-0.120 χ^2/NDF: 2310416.0/24

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

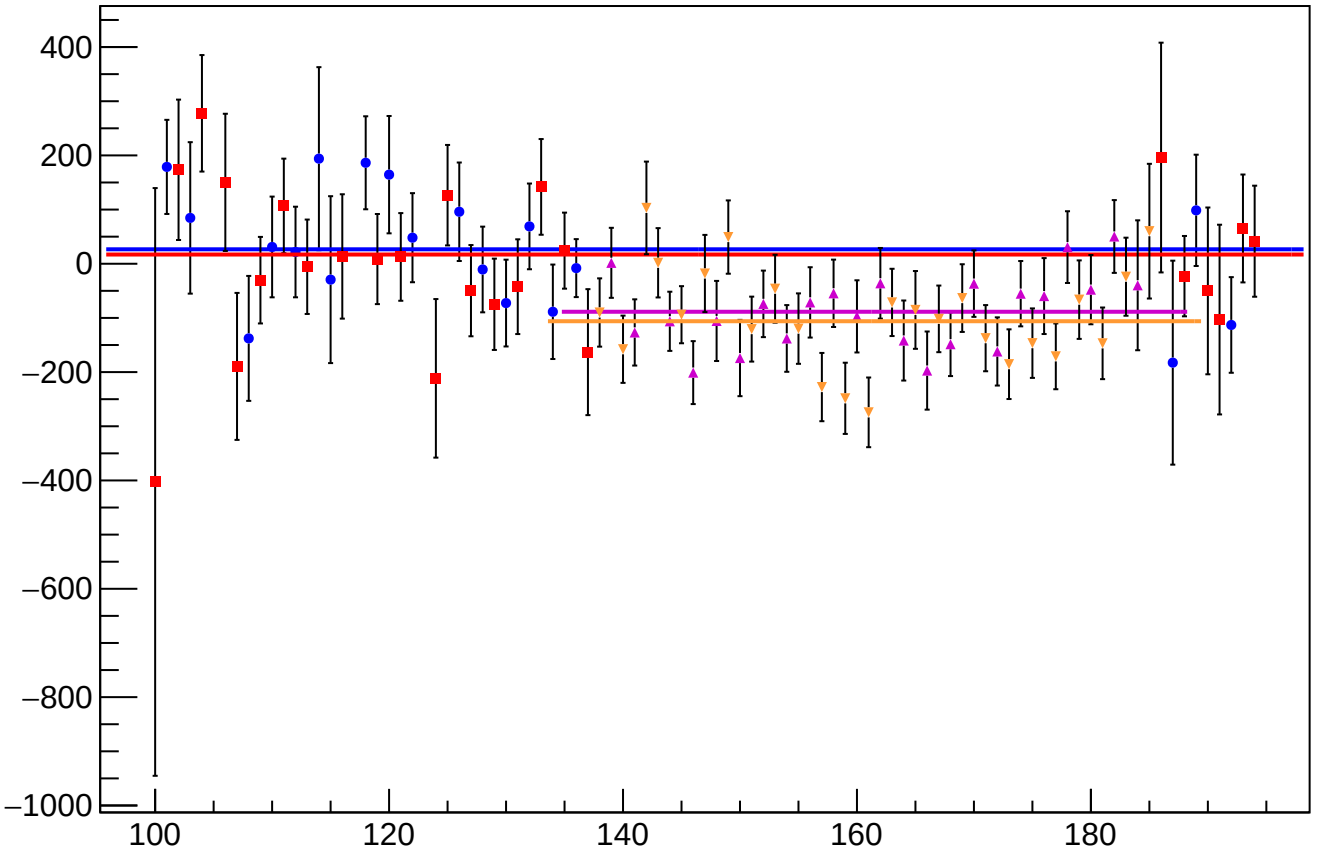
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 512.199+/-0.086 χ^2/NDF: 3919074.8/43

In: 363.308+/-0.051 χ^2/NDF:3310527.5/41

Out: 369.439+/-0.050 χ^2/NDF:5054959.3/49

All: 366.456+/-0.036 χ^2/NDF: 8372931.7/91



Right In: 26.680+/-20.886 χ^2/NDF: 20.6/18

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 17.028+/-19.941 χ^2/NDF: 25.3/24

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

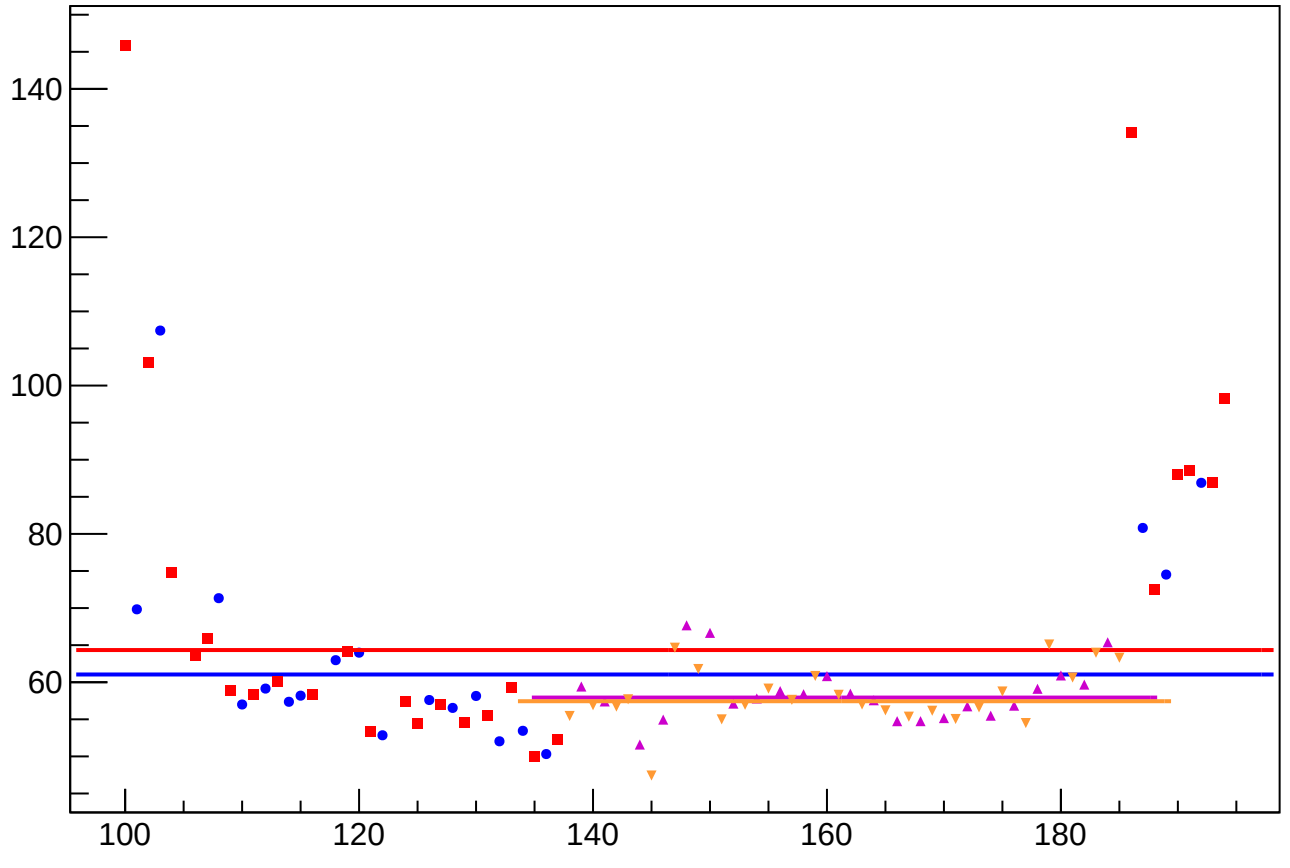
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 21.631+/-14.423 χ^2/NDF: 46.0/43

In: -54.409+/-11.377 χ^2/NDF:65.9/41

Out: -69.024+/-10.942 χ^2/NDF:92.6/49

All: -62.001+/-7.887 χ^2/NDF: 159.4/91



Right In: 61.045+/-0.015 χ^2/NDF: 646608.7/18

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 64.341+/-0.014 χ^2/NDF: 1159355.3/24

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

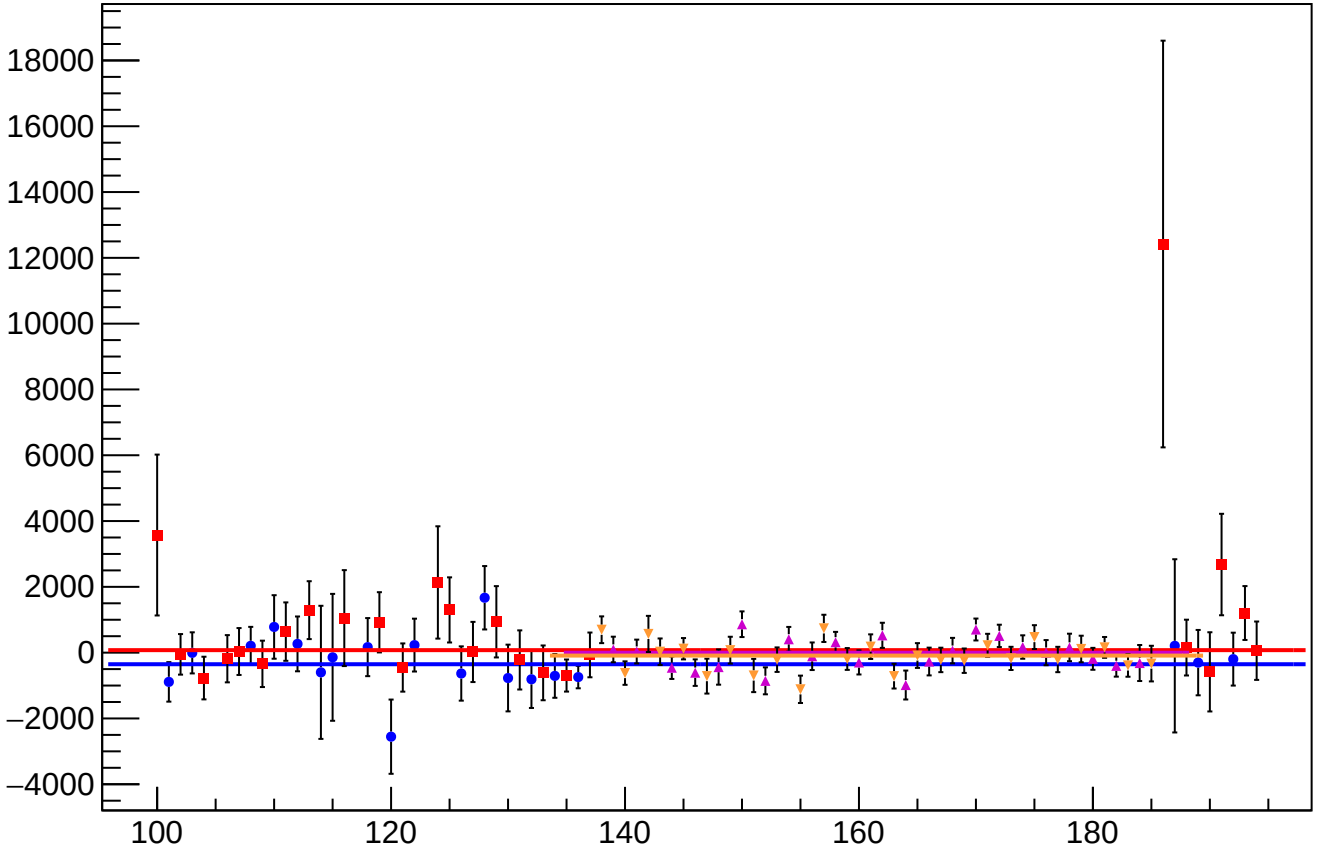
Right: 62.769+/-0.010 χ^2/NDF: 1832007.1/43

In: 58.856+/-0.008 χ^2/NDF:813752.4/41

Out: 59.518+/-0.008 χ^2/NDF:1501282.1/49

All: 59.200+/-0.006 χ^2/NDF: 2318549.3/91

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -351.975+/-173.125 χ^2/NDF: 15.3/18

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 76.064+/-169.177 χ^2/NDF: 24.4/24

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

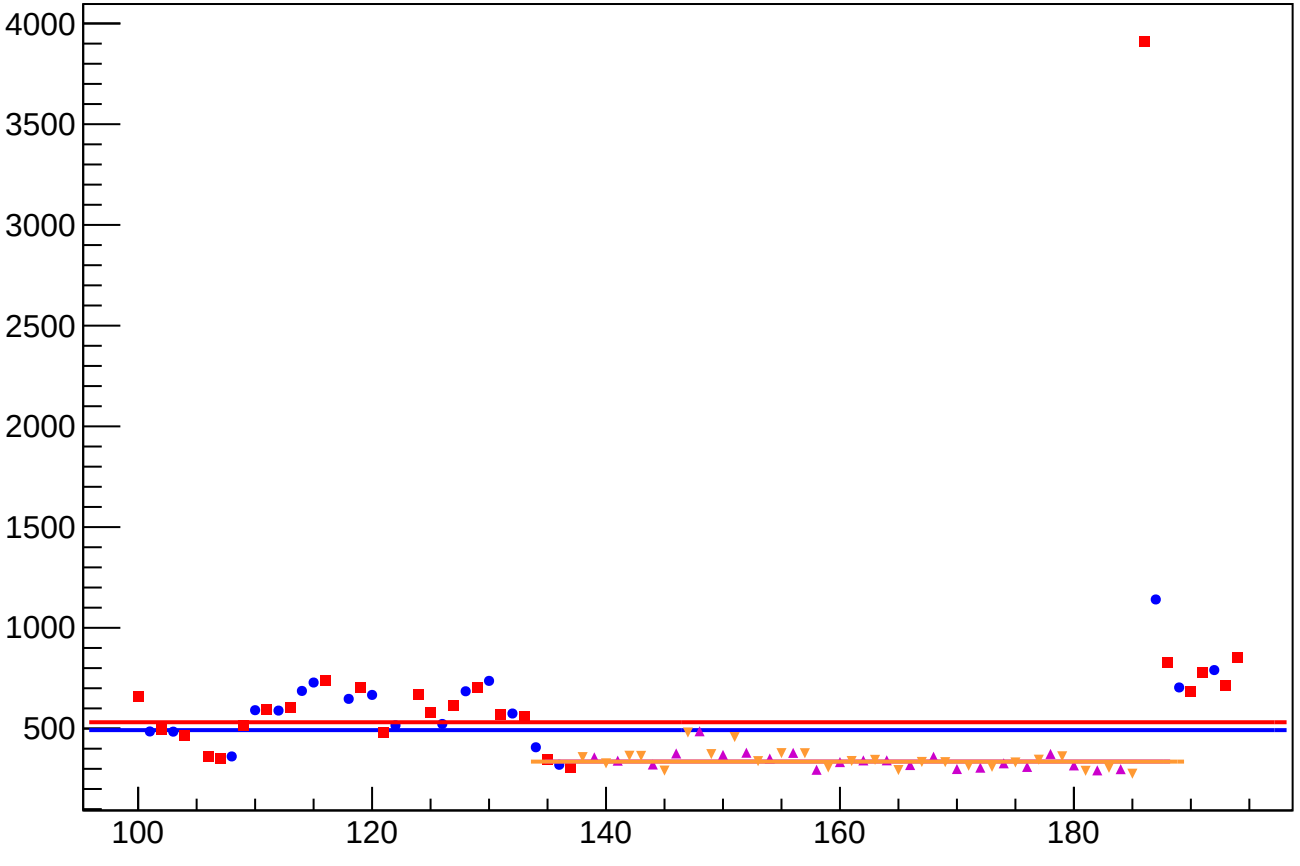
Right: -133.020+/-120.998 χ^2/NDF: 42.9/43

In: -63.425+/-72.016 χ^2/NDF:52.3/41

Out: -60.718+/-70.091 χ^2/NDF:55.1/49

All: -62.035+/-50.229 χ^2/NDF: 107.4/91

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 492.173+/-0.122 χ^2/NDF: 1556344.7/18

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 531.322+/-0.120 χ^2/NDF: 2310416.0/24

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

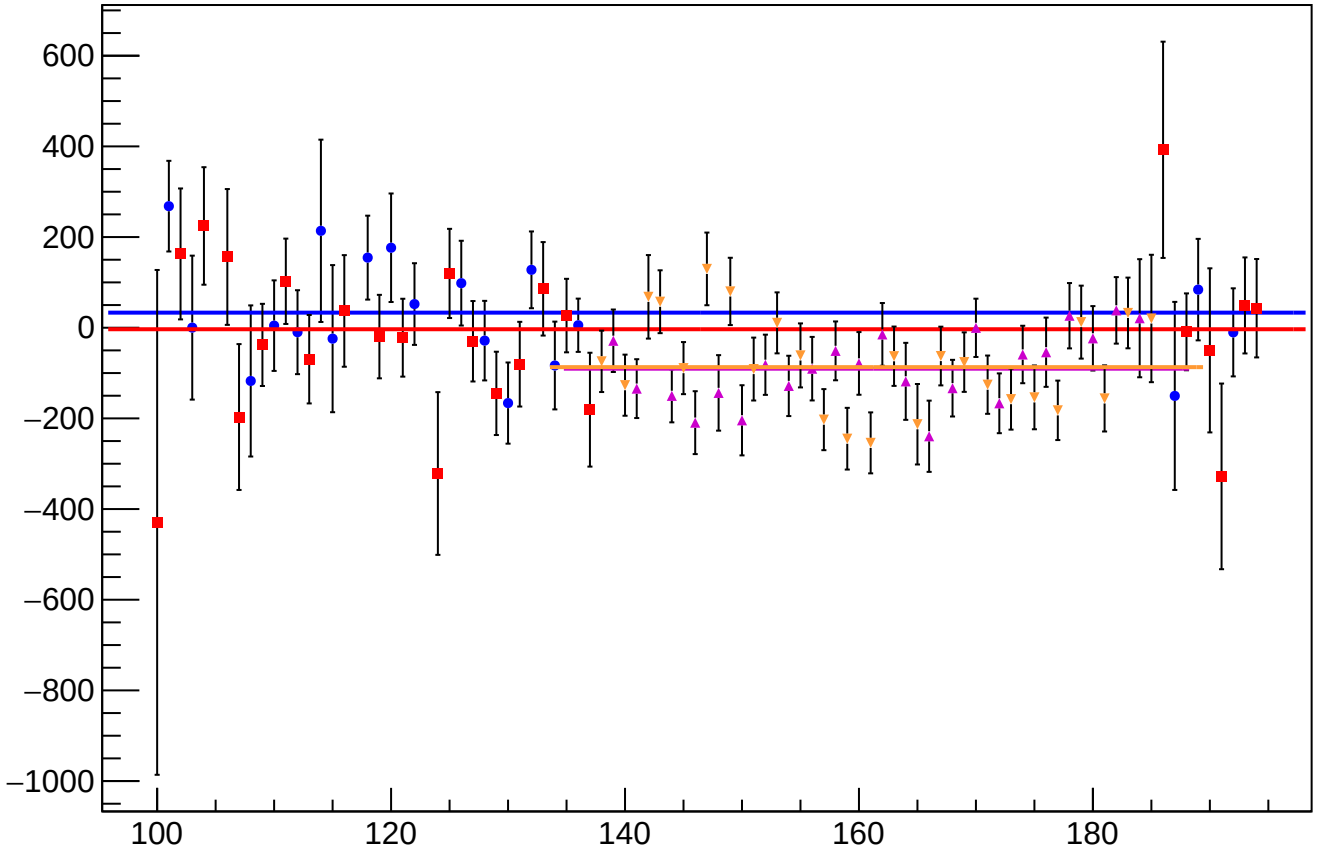
Right: 512.199+/-0.086 χ^2/NDF: 3919074.8/43

In: 363.308+/-0.051 χ^2/NDF:3310527.5/41

Out: 369.439+/-0.050 χ^2/NDF:5054959.3/49

All: 366.456+/-0.036 χ^2/NDF: 8372931.7/91

dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 33.267+/-23.070 χ^2/NDF: 20.9/18

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -3.345+/-22.128 χ^2/NDF: 26.1/24

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

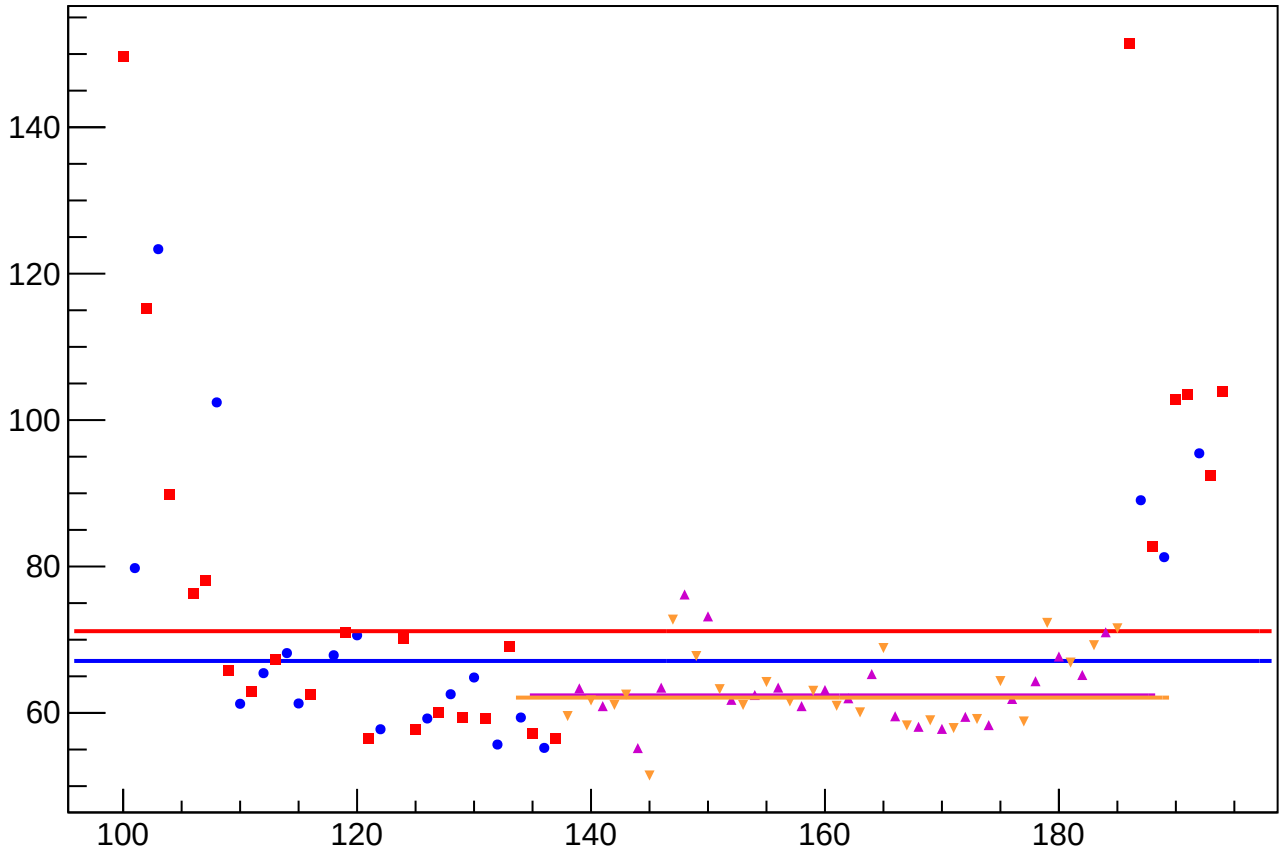
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 14.199+/-15.970 χ^2/NDF: 48.3/43

In: -54.813+/-12.371 χ^2/NDF:66.4/41

Out: -62.630+/-11.936 χ^2/NDF:85.1/49

All: -58.862+/-8.590 χ^2/NDF: 151.6/91



Right In: 67.099+/-0.016 χ^2/NDF: 782833.3/18

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 71.167+/-0.016 χ^2/NDF: 1228424.8/24

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

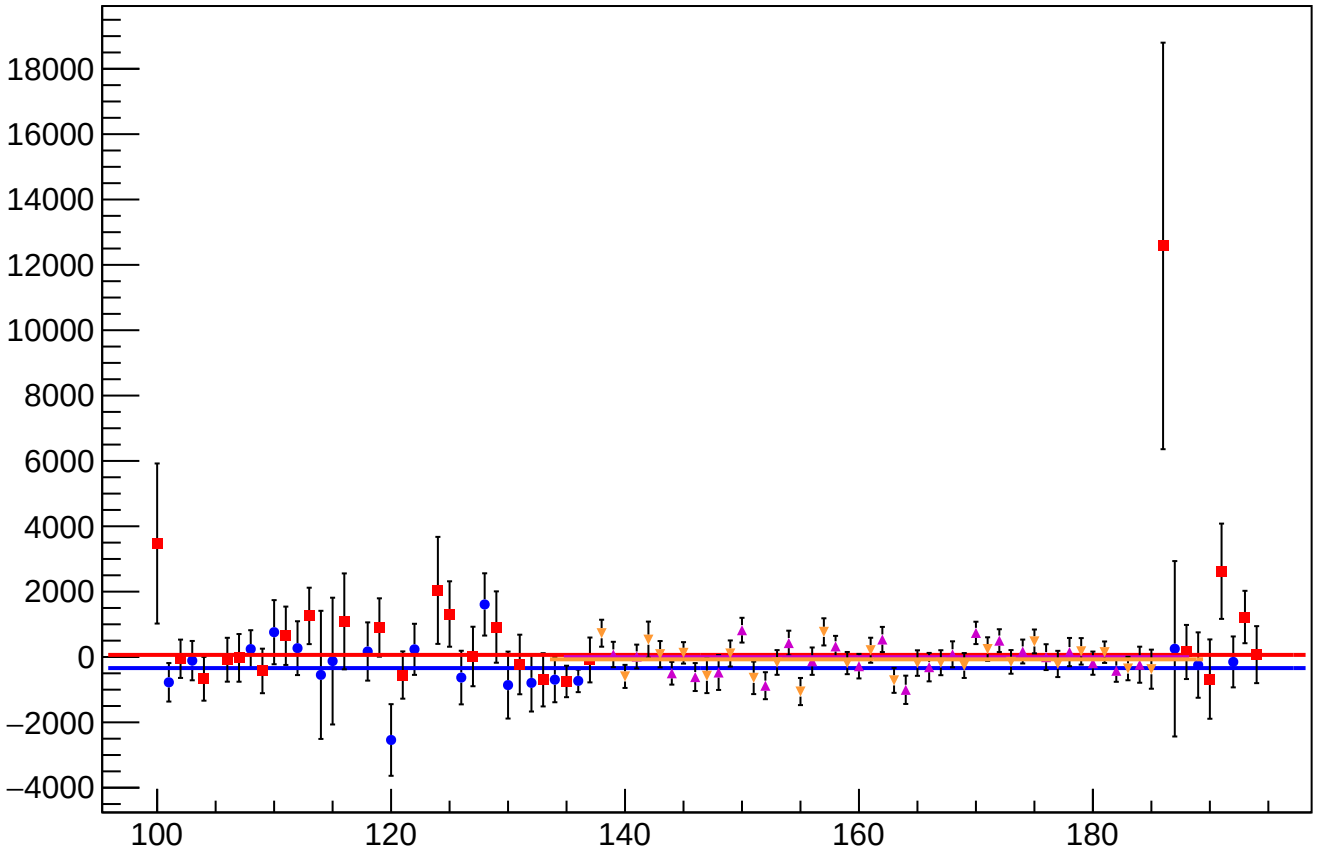
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 69.217+/-0.011 χ^2/NDF: 2043645.2/43

In: 63.748+/-0.009 χ^2/NDF:1030876.6/41

Out: 64.733+/-0.008 χ^2/NDF:1700199.7/49

All: 64.258+/-0.006 χ^2/NDF: 2737648.7/91



Right In: -339.723+/-172.684 χ^2/NDF: 14.9/18

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 64.057+/-167.040 χ^2/NDF: 25.3/24

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

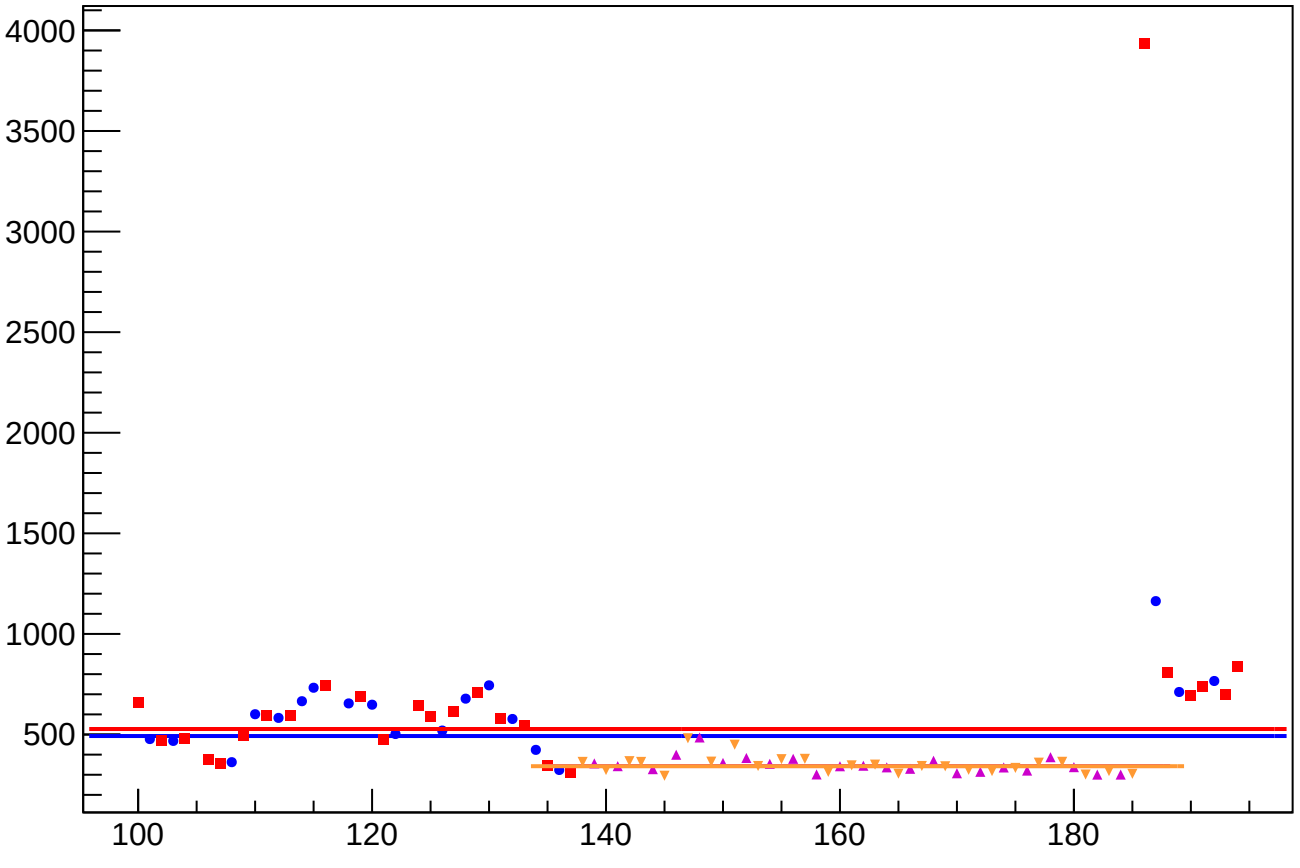
Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

Right: -131.126+/-120.061 χ^2/NDF: 43.0/43

In: -66.002+/-73.155 χ^2/NDF:52.0/41

Out: -46.885+/-70.971 χ^2/NDF:54.4/49

All: -56.154+/-50.939 χ^2/NDF: 106.4/91



Right In: 492.470+/-0.122 χ^2/NDF: 1490988.1/18

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 527.381+/-0.118 χ^2/NDF: 2238456.9/24

Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

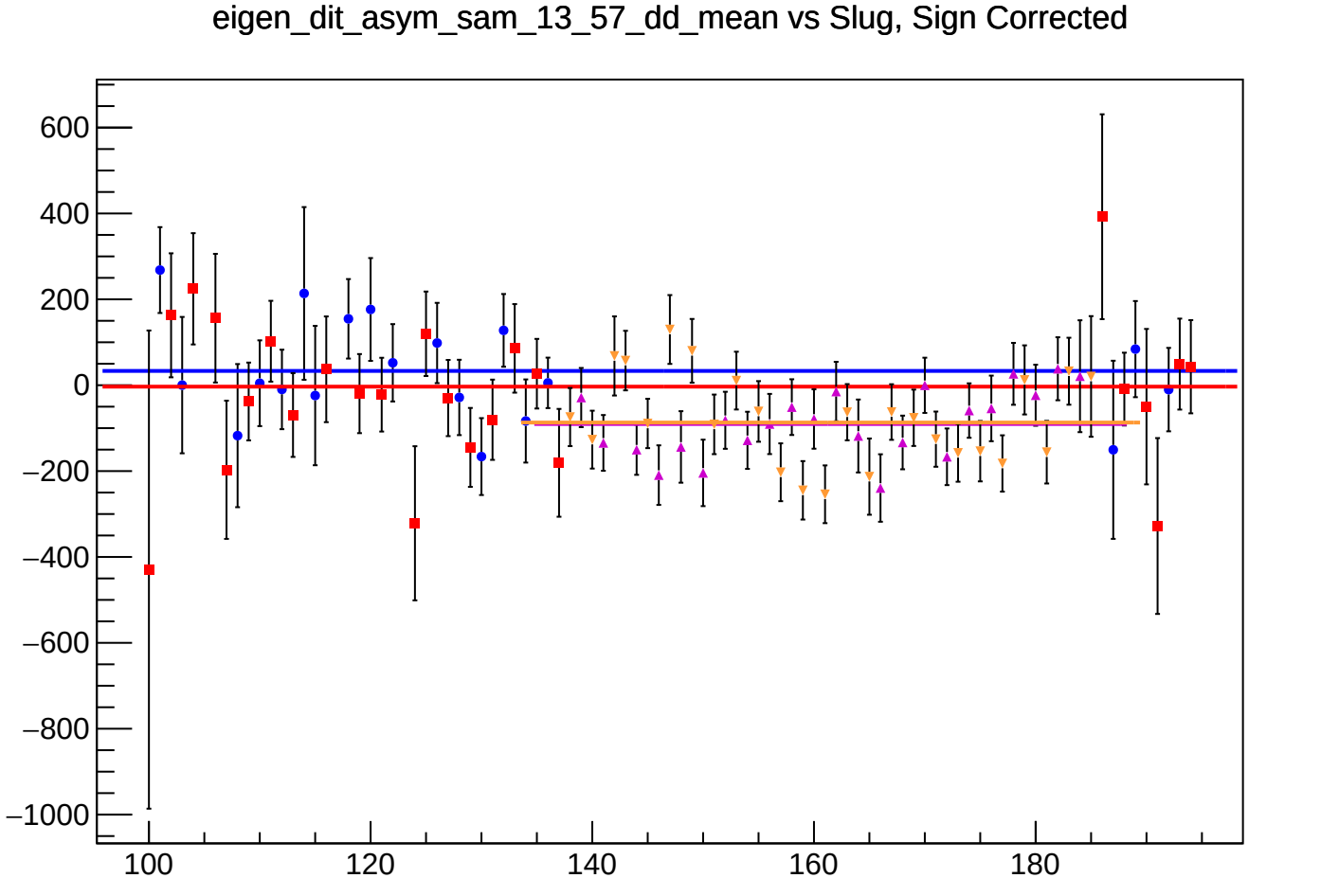
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

Right: 510.506+/-0.085 χ^2/NDF: 3771674.6/43

In: 370.026+/-0.052 χ^2/NDF:3089458.1/41

Out: 375.877+/-0.050 χ^2/NDF:4680389.3/49

All: 373.040+/-0.036 χ^2/NDF: 7776438.0/91



Right In: 33.268+/-23.070 χ^2/NDF: 20.9/18

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -3.345+/-22.128 χ^2/NDF: 26.1/24

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

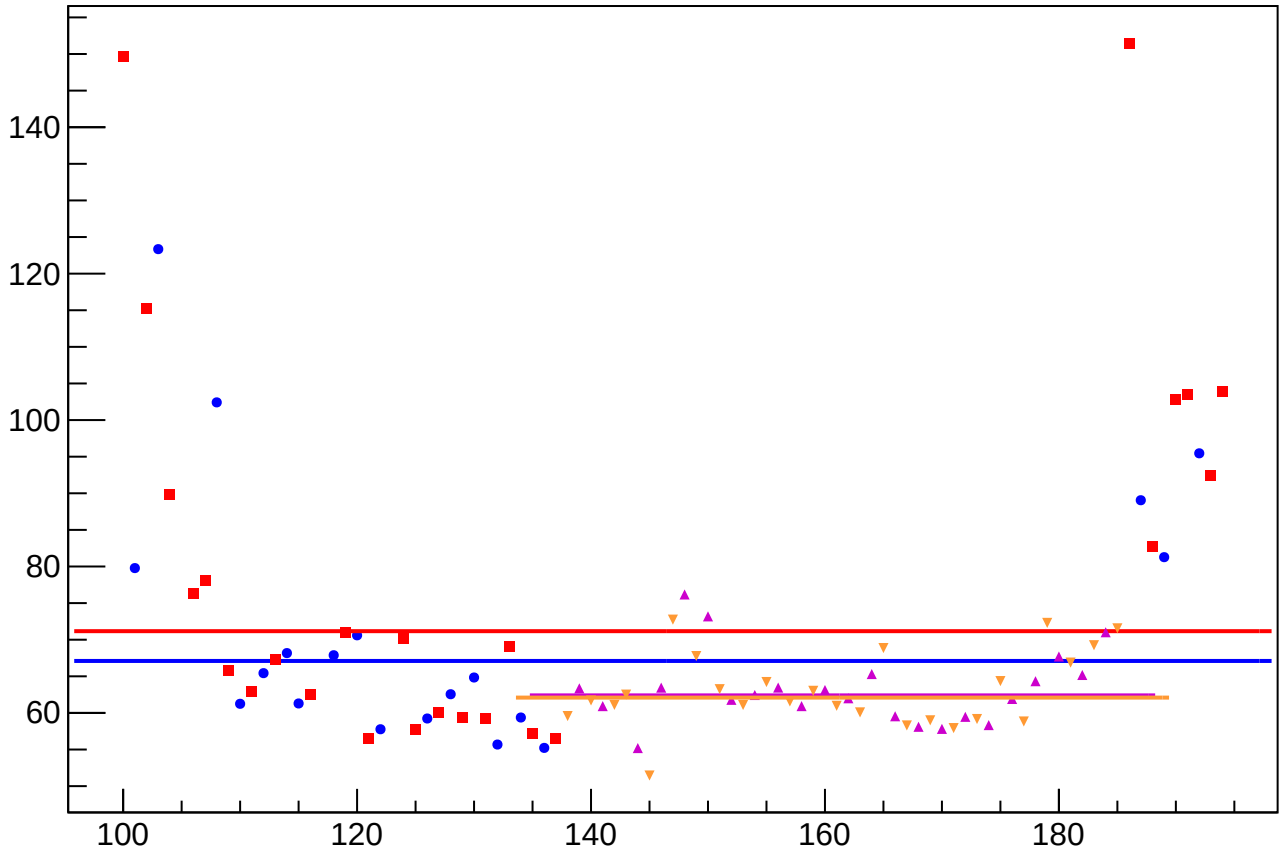
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 14.198+/-15.970 χ^2/NDF: 48.3/43

In: -54.813+/-12.371 χ^2/NDF:66.4/41

Out: -62.630+/-11.936 χ^2/NDF:85.1/49

All: -58.862+/-8.590 χ^2/NDF: 151.6/91



Right In: 67.099+/-0.016 χ^2/NDF: 782849.7/18

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

Right Out: 71.167+/-0.016 χ^2/NDF: 1228429.4/24

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

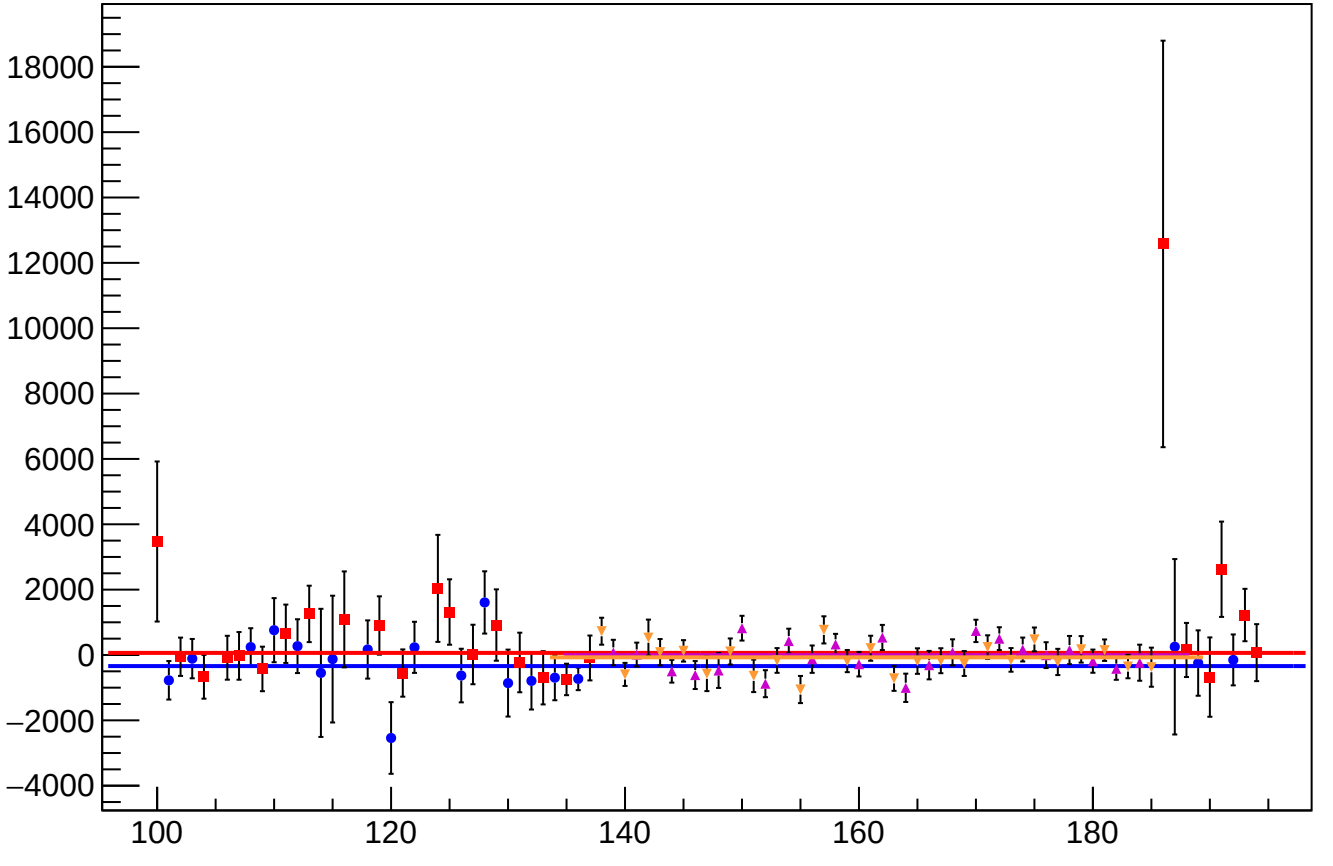
Right: 69.217+/-0.011 χ^2/NDF: 2043666.5/43

In: 63.748+/-0.009 χ^2/NDF:1030893.3/41

Out: 64.733+/-0.008 χ^2/NDF:1700205.2/49

All: 64.258+/-0.006 χ^2/NDF: 2737670.7/91

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -339.723+/-172.684 χ^2/NDF: 14.9/18

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 64.056+/-167.039 χ^2/NDF: 25.3/24

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

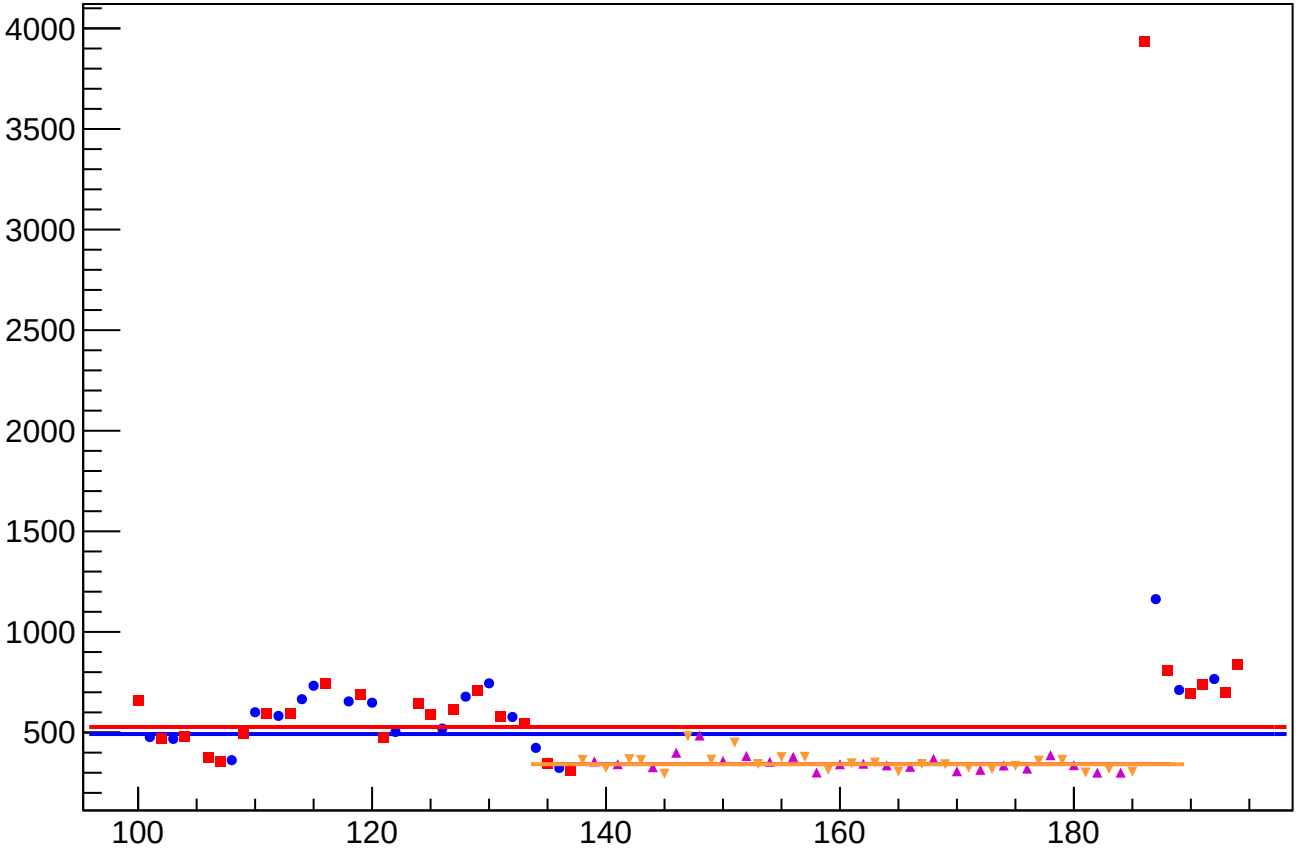
Right: -131.126+/-120.061 χ^2/NDF: 43.0/43

In: -66.002+/-73.155 χ^2/NDF:52.0/41

Out: -46.885+/-70.971 χ^2/NDF:54.4/49

All: -56.154+/-50.939 χ^2/NDF: 106.4/91

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 492.469+/-0.122 χ^2/NDF: 1490990.9/18

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 527.380+/-0.118 χ^2/NDF: 2238457.7/24

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

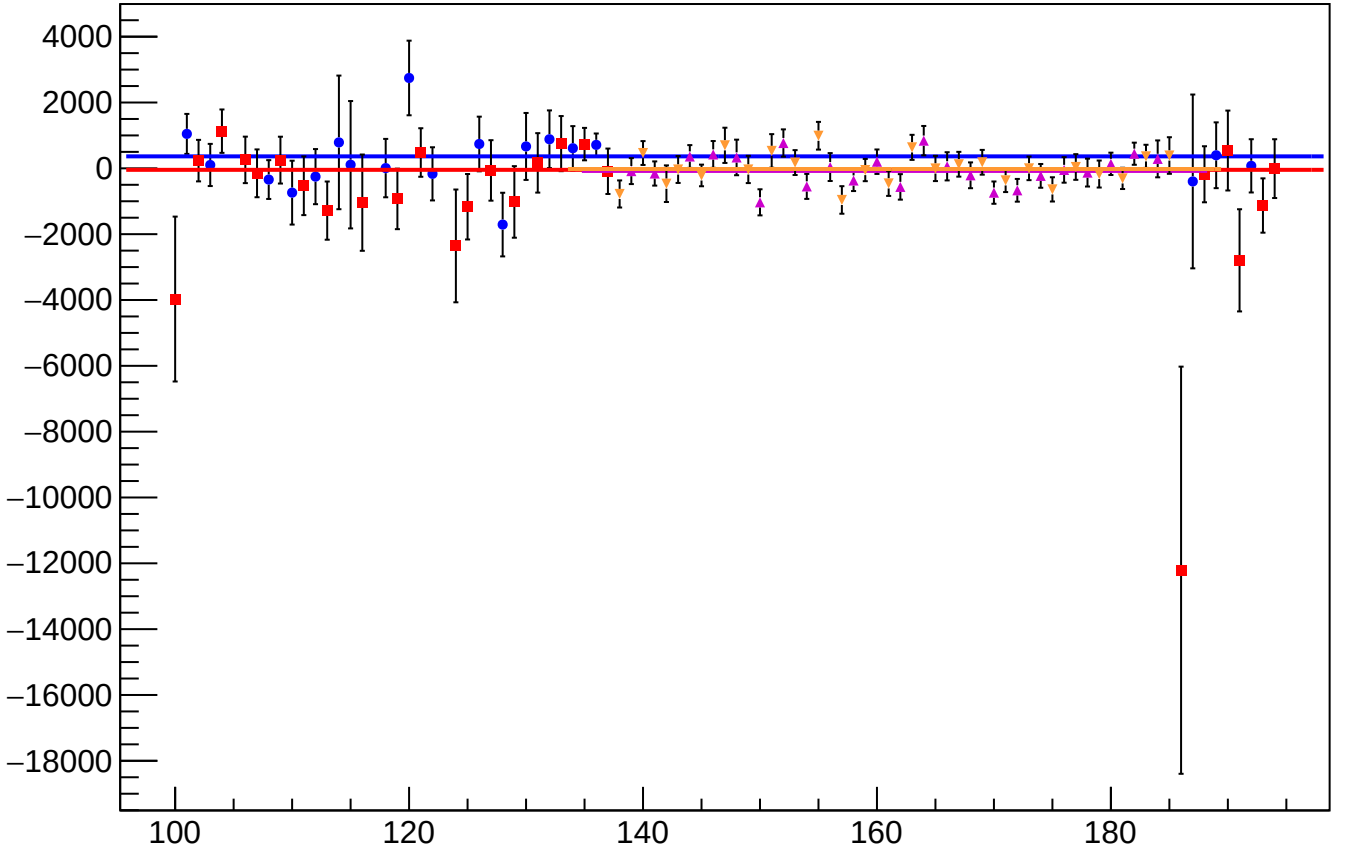
Right: 510.505+/-0.085 χ^2/NDF: 3771677.8/43

In: 370.026+/-0.052 χ^2/NDF:3089453.1/41

Out: 375.877+/-0.050 χ^2/NDF:4680379.5/49

All: 373.040+/-0.036 χ^2/NDF: 7776423.0/91

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 363.861+/-175.018 χ^2/NDF: 16.4/18

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: -45.502+/-170.602 χ^2/NDF: 26.7/24

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

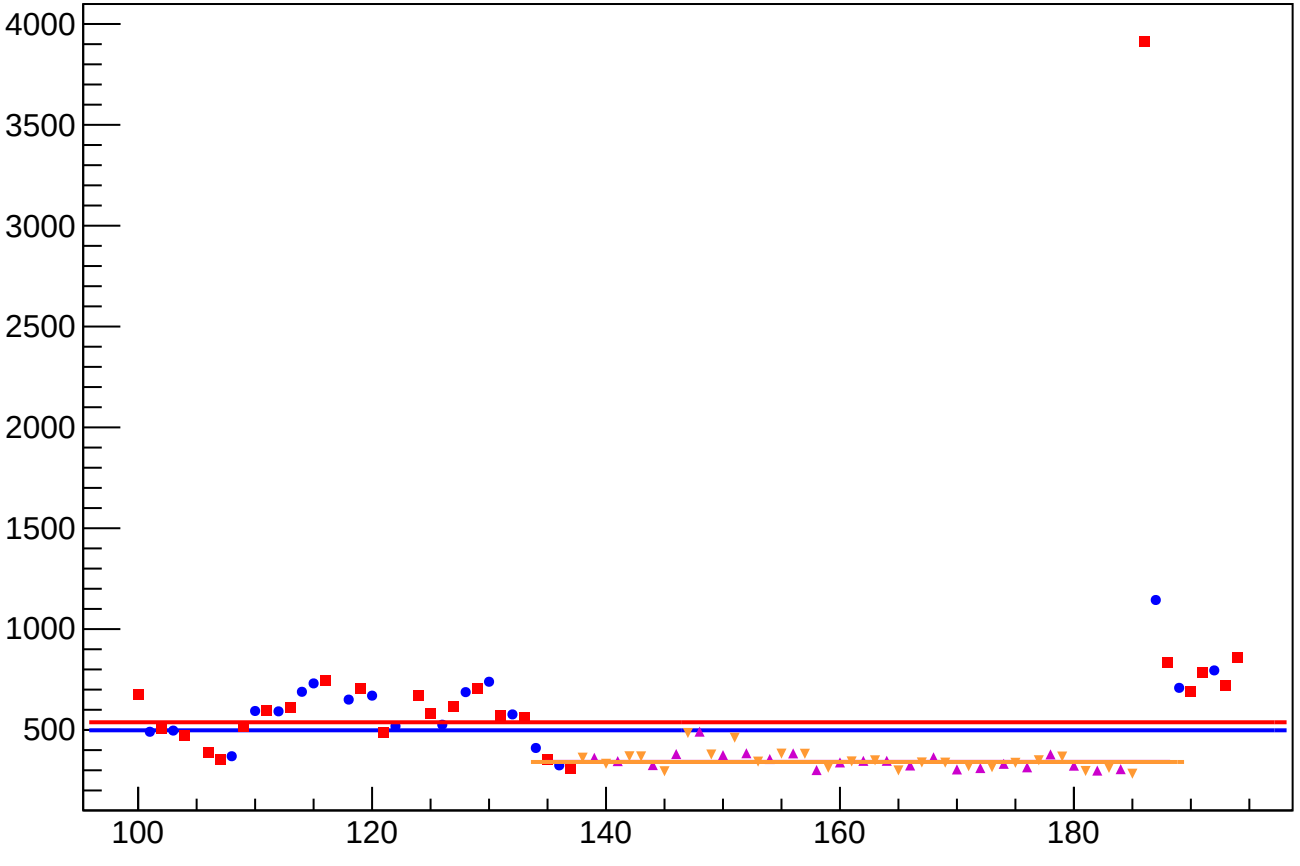
Right: 153.951+/-122.165 χ^2/NDF: 45.9/43

In: -1.580+/-73.067 χ^2/NDF:54.6/41

Out: -24.653+/-71.085 χ^2/NDF:58.2/49

All: -13.434+/-50.951 χ^2/NDF: 112.8/91

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 498.192+/-0.124 χ^2/NDF: 1516653.1/18

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

Right Out: 538.073+/-0.121 χ^2/NDF: 2246801.3/24

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

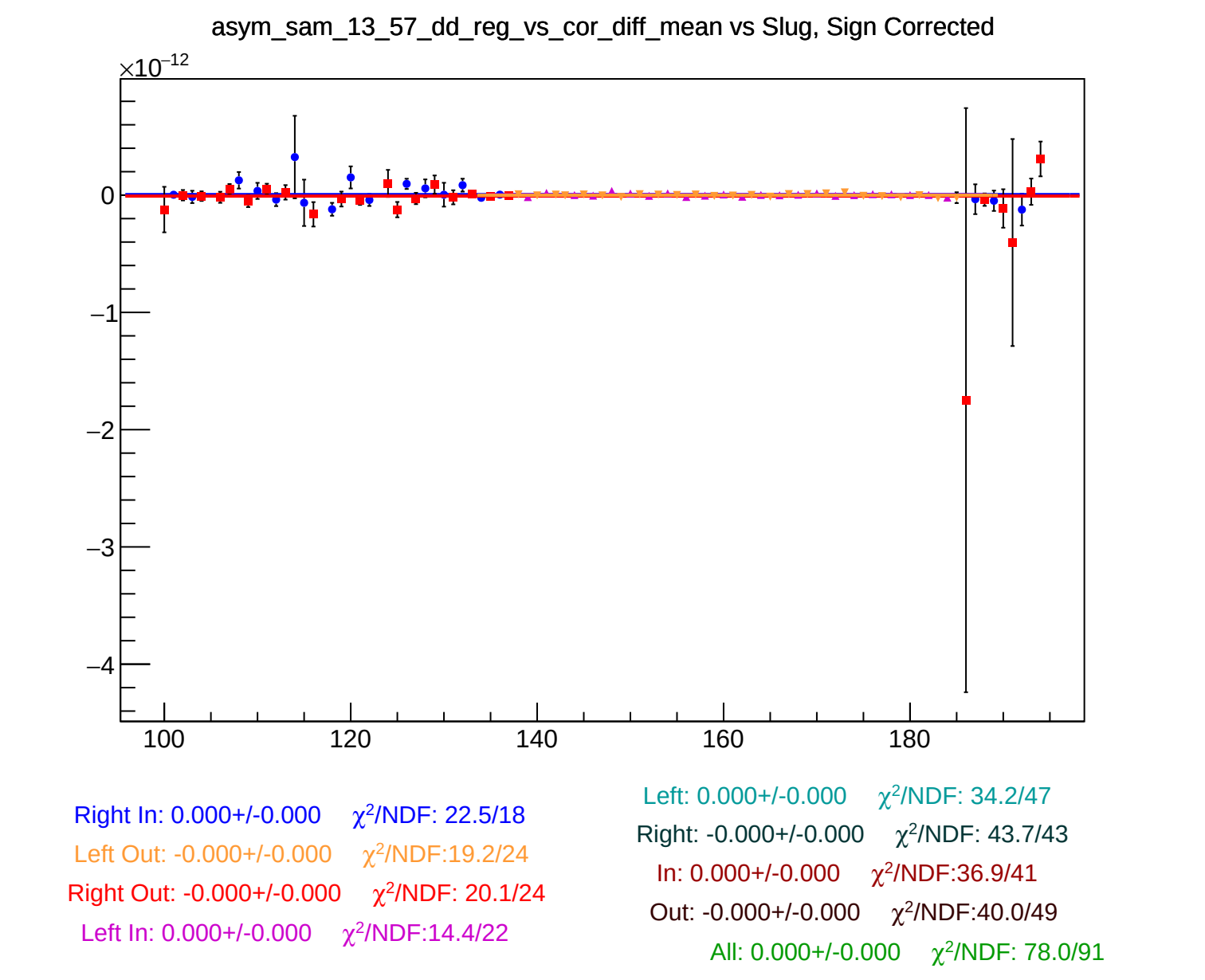
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 518.642+/-0.086 χ^2/NDF: 3816704.1/43

In: 368.911+/-0.052 χ^2/NDF:3235156.8/41

Out: 375.379+/-0.050 χ^2/NDF:4958650.6/49

All: 372.234+/-0.036 χ^2/NDF: 8201857.8/91


asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0
−1
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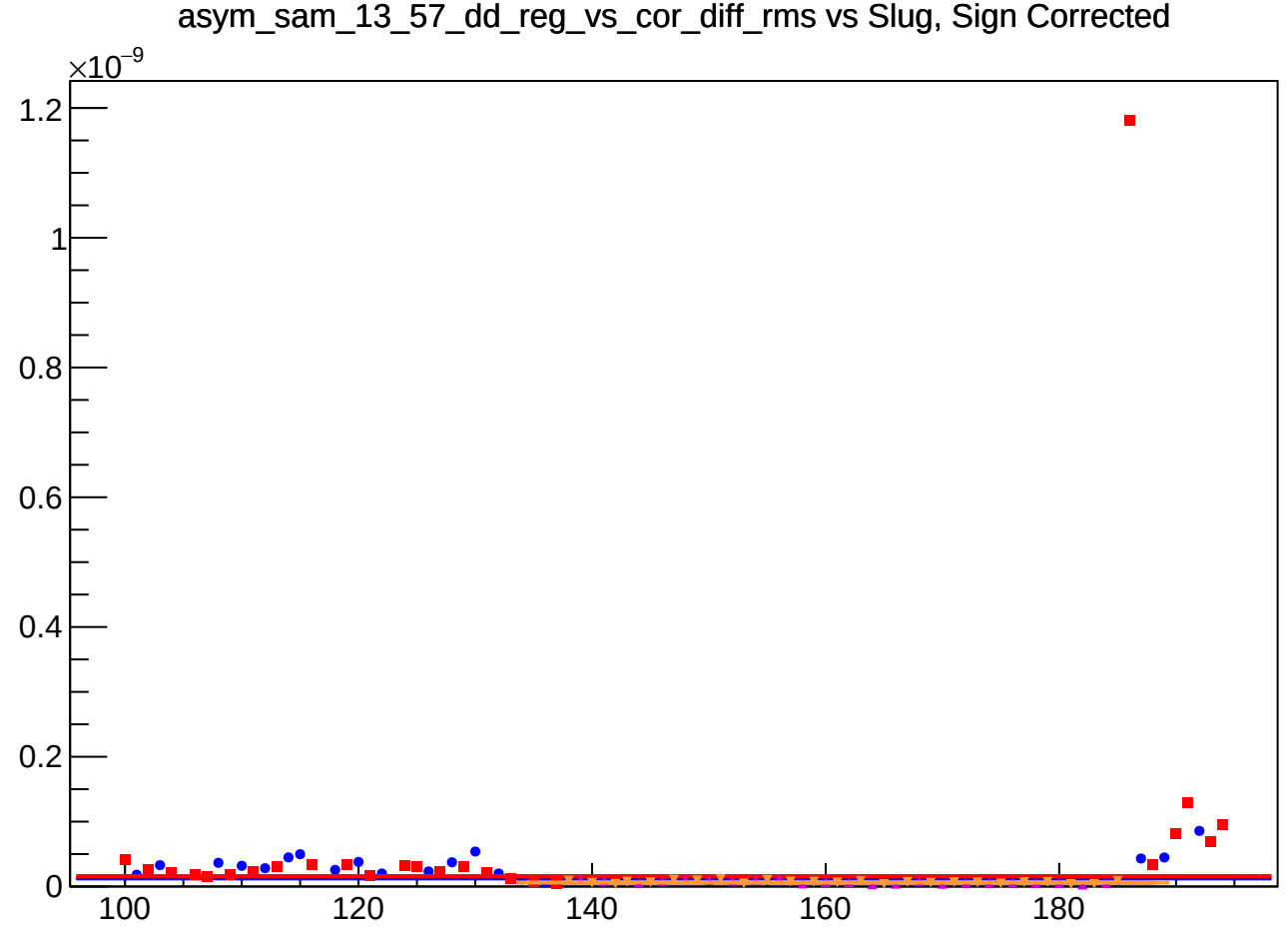
−4
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 22.5/18
Left Out: -0.000+/-0.000 χ²/NDF:19.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.1/24
Left In: 0.000+/-0.000 χ²/NDF:14.4/22
Left: 0.000+/-0.000 χ²/NDF: 34.2/47
Right: -0.000+/-0.000 χ²/NDF: 43.7/43
In: 0.000+/-0.000 χ²/NDF:36.9/41
Out: -0.000+/-0.000 χ²/NDF:40.0/49
All: 0.000+/-0.000 χ²/NDF: 78.0/91



Right In: 0.000+/-0.000 χ^2/NDF: 3832495.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3880138.9/24

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

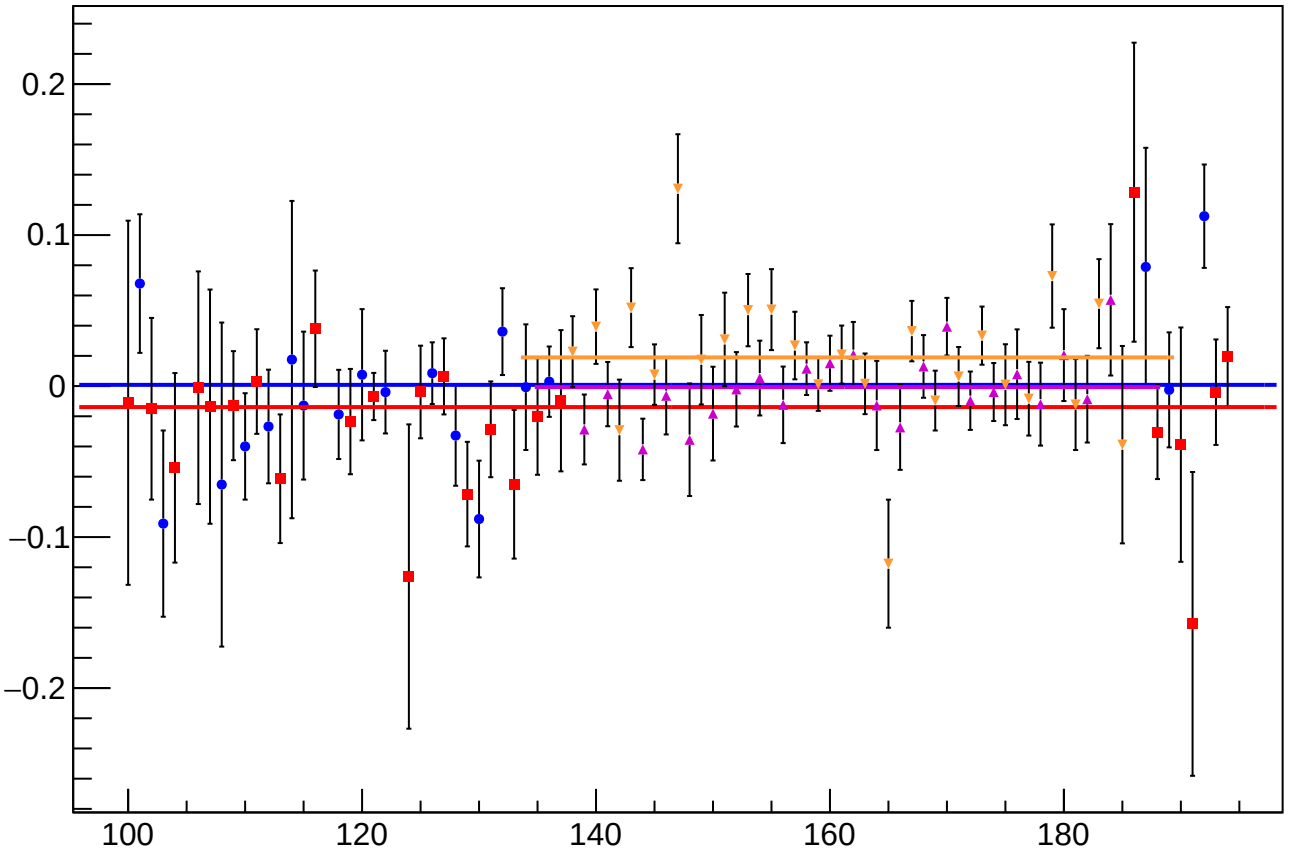
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 7878901.1/43

In: 0.000+/-0.000 χ^2/NDF:6684933.8/41

Out: 0.000+/-0.000 χ^2/NDF:7231781.1/49

All: 0.000+/-0.000 χ^2/NDF: 13926373.5/91



Right In: 0.001+/-0.008 χ^2/NDF: 26.8/18

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.014+/-0.007 χ^2/NDF: 15.7/24

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

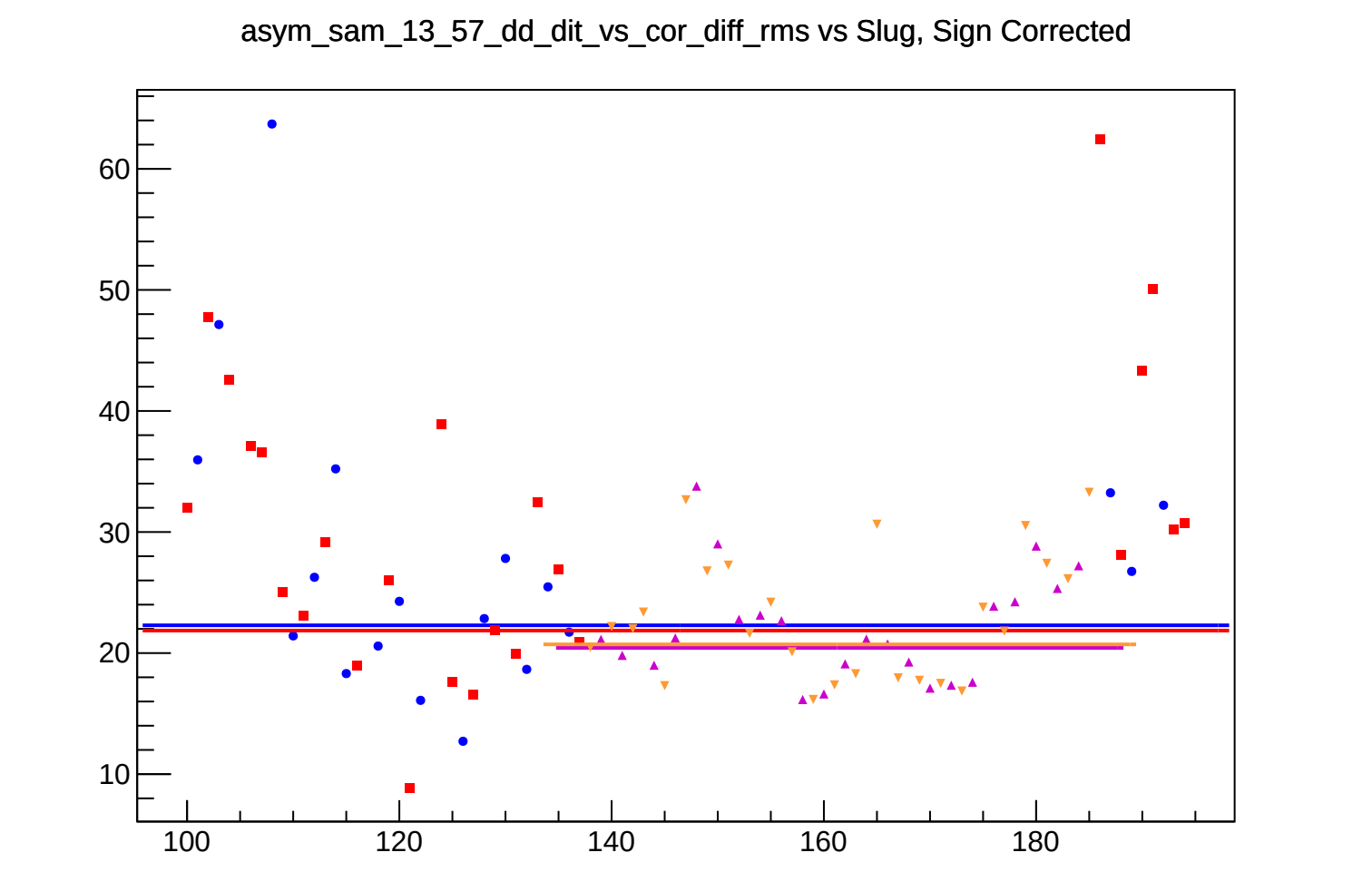
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.007+/-0.005 χ^2/NDF: 44.3/43

In: -0.000+/-0.004 χ^2/NDF:44.5/41

Out: 0.009+/-0.004 χ^2/NDF:70.5/49

All: 0.005+/-0.003 χ^2/NDF: 117.5/91



Right In: 22.293+/-0.006 χ^2/NDF: 1739394.0/18

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 21.862+/-0.005 χ^2/NDF: 3564090.7/24

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

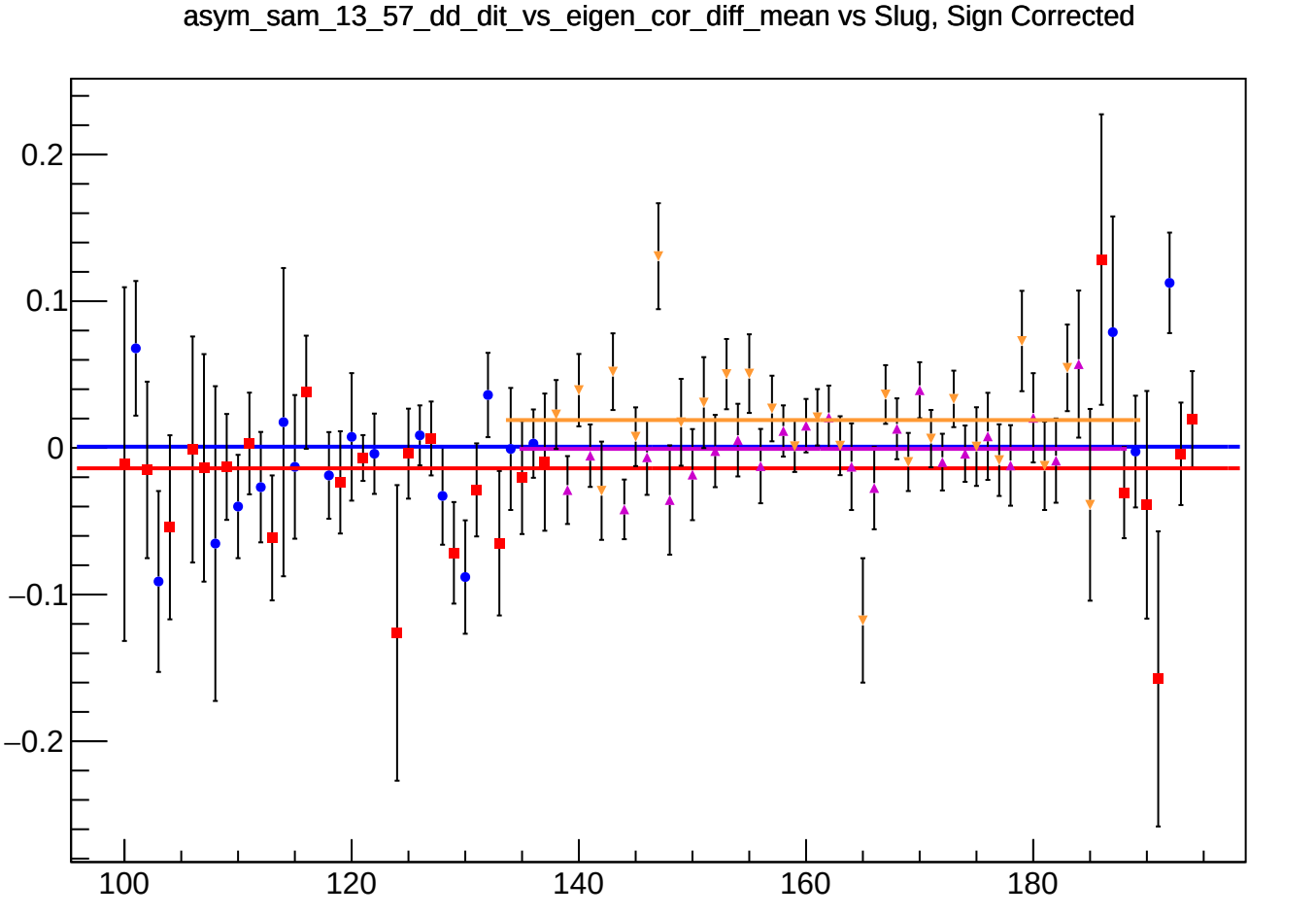
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 22.060+/-0.004 χ^2/NDF: 5306539.5/43

In: 20.932+/-0.003 χ^2/NDF:2990296.6/41

Out: 21.059+/-0.003 χ^2/NDF:5103404.7/49

All: 20.998+/-0.002 χ^2/NDF: 8094649.7/91



Right In: 0.001+/-0.008 χ^2/NDF: 26.8/18

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.014+/-0.007 χ^2/NDF: 15.7/24

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

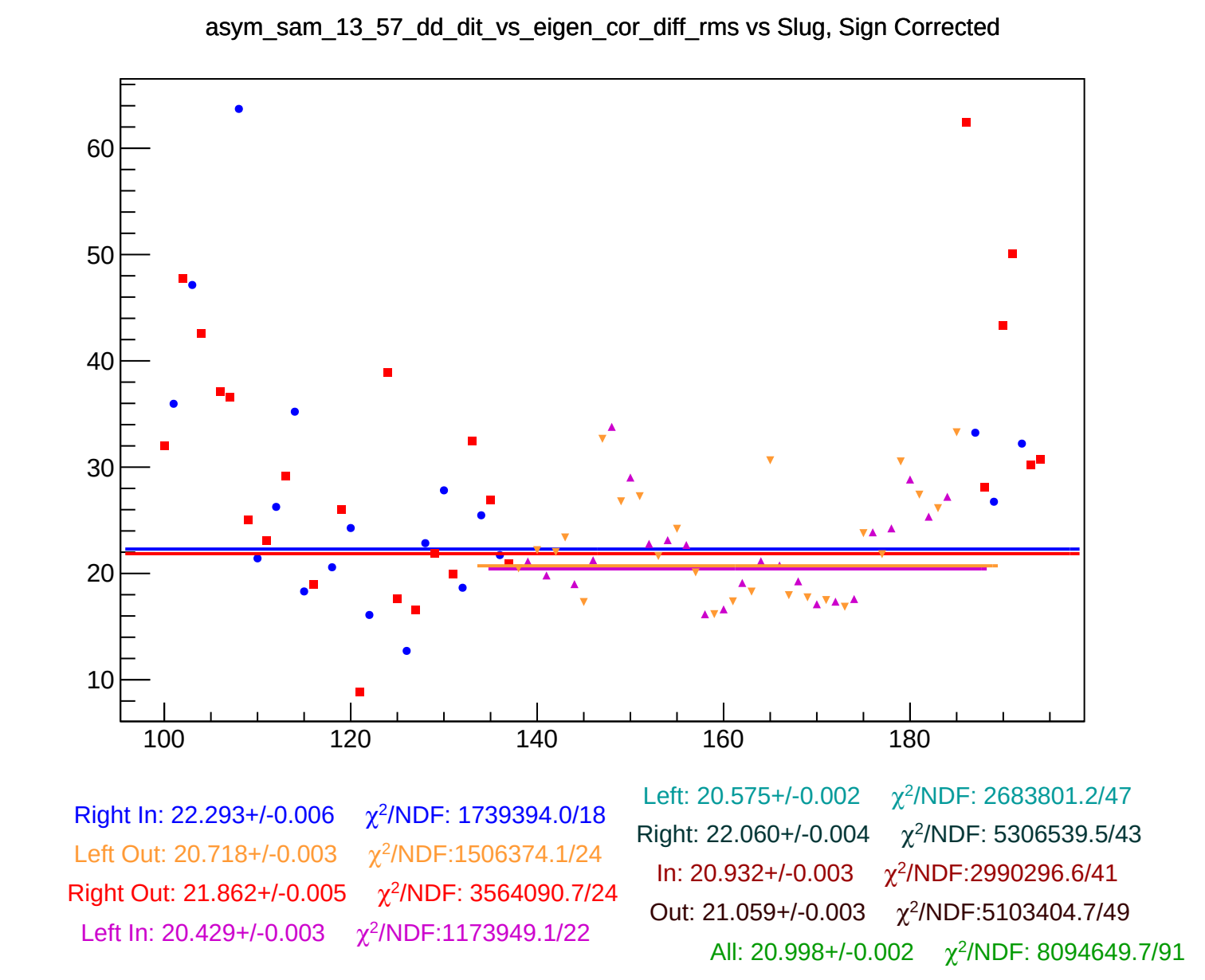
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.007+/-0.005 χ^2/NDF: 44.3/43

In: -0.000+/-0.004 χ^2/NDF:44.5/41

Out: 0.009+/-0.004 χ^2/NDF:70.5/49

All: 0.005+/-0.003 χ^2/NDF: 117.5/91


asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
60
50
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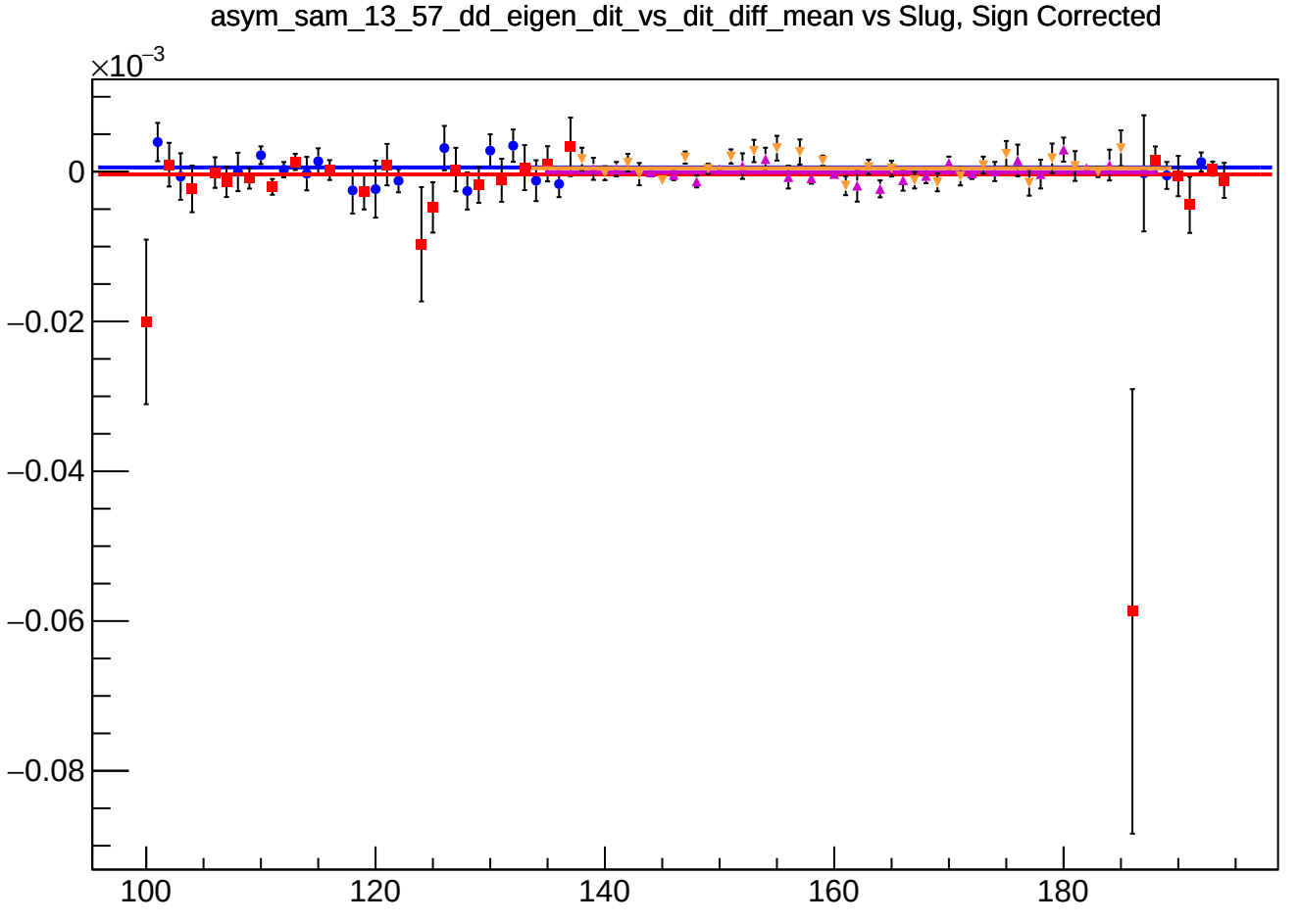
180
Right In: 22.293+/-0.006 χ²/NDF: 1739394.0/18
Left Out: 20.718+/-0.003 χ²/NDF:1506374.1/24
Right Out: 21.862+/-0.005 χ²/NDF: 3564090.7/24
Left In: 20.429+/-0.003 χ²/NDF:1173949.1/22
Left: 20.575+/-0.002 χ²/NDF: 2683801.2/47
Right: 22.060+/-0.004 χ²/NDF: 5306539.5/43
In: 20.932+/-0.003 χ²/NDF:2990296.6/41
Out: 21.059+/-0.003 χ²/NDF:5103404.7/49
All: 20.998+/-0.002 χ²/NDF: 8094649.7/91



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/24

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

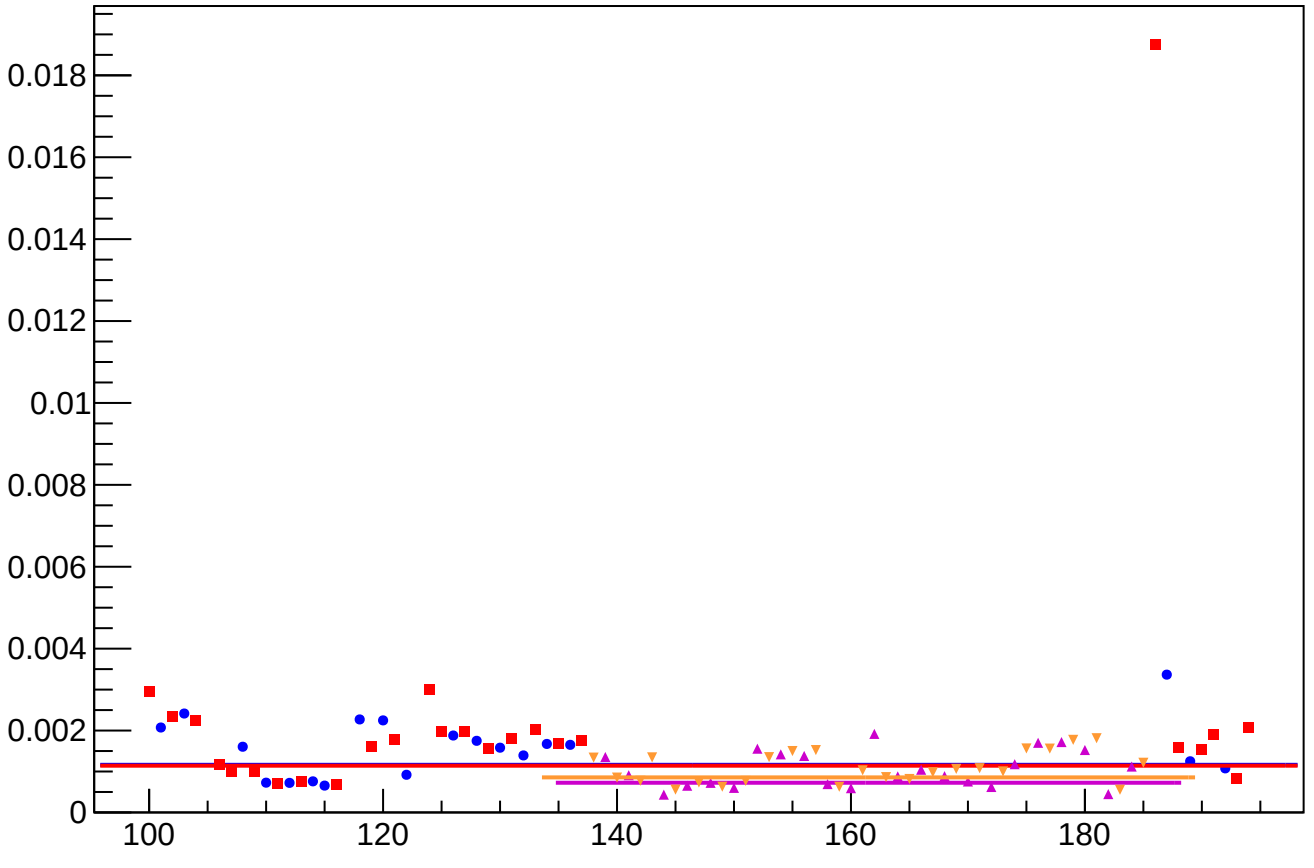
Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

Right: 0.000+/-0.000 χ^2/NDF: 40.0/43

In: 0.000+/-0.000 χ^2/NDF:36.5/41

Out: 0.000+/-0.000 χ^2/NDF:62.5/49

All: 0.000+/-0.000 χ^2/NDF: 100.0/91



Right In: 0.001+/-0.000 χ^2/NDF: 2709833.8/18

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4108028.4/24

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

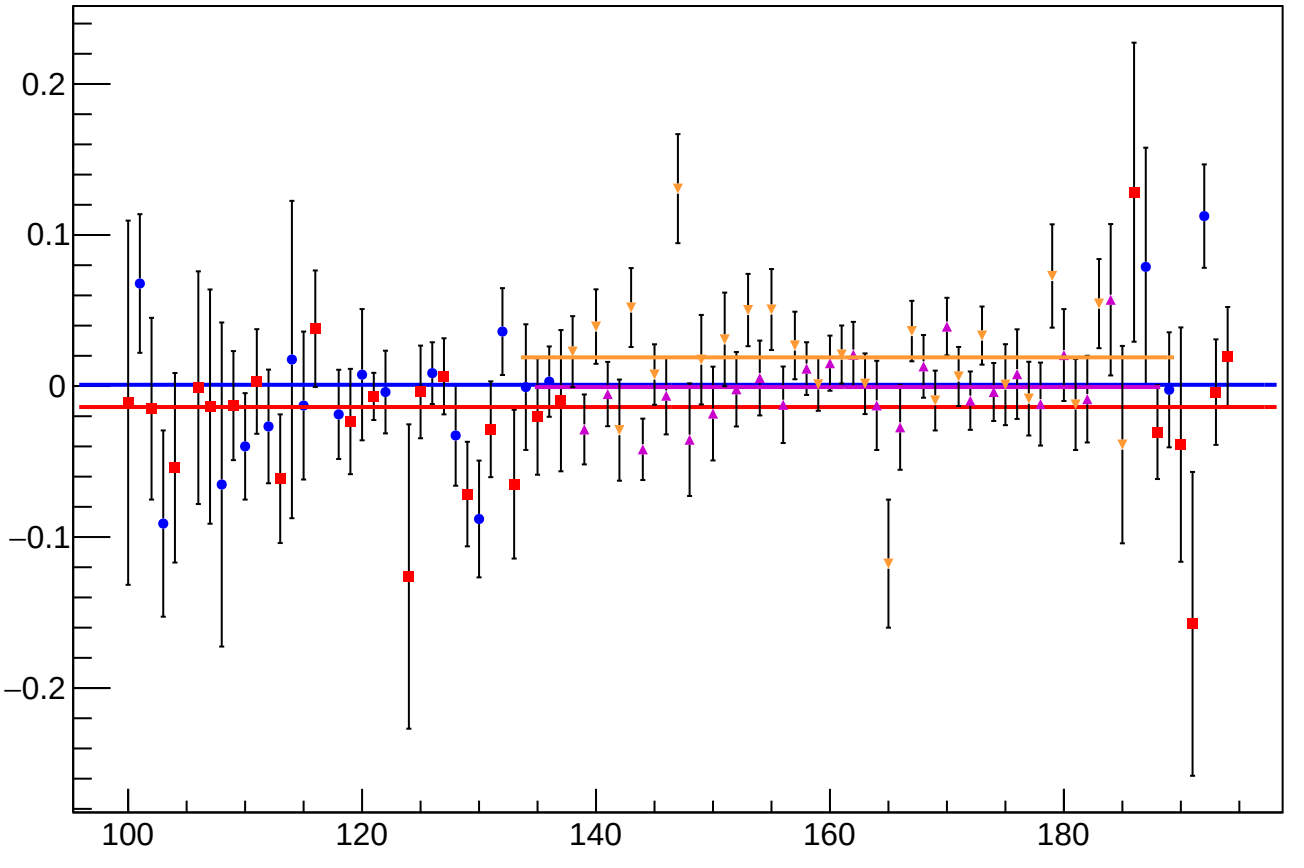
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 6820485.2/43

In: 0.001+/-0.000 χ^2/NDF:10225906.7/41

Out: 0.001+/-0.000 χ^2/NDF:9374887.8/49

All: 0.001+/-0.000 χ^2/NDF: 20103995.7/91



Right In: 0.001+/-0.008 χ^2/NDF: 26.8/18

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.014+/-0.007 χ^2/NDF: 15.7/24

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

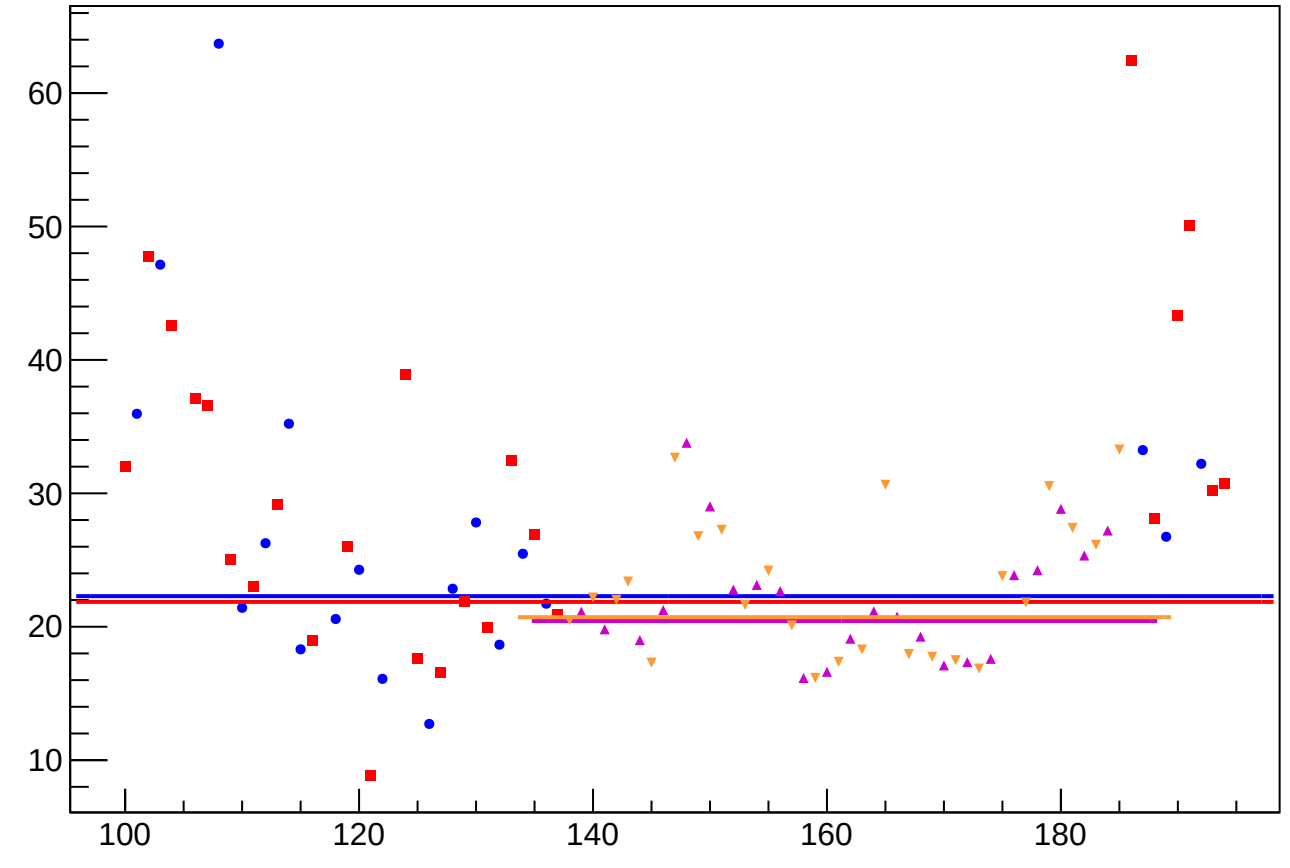
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.007+/-0.005 χ^2/NDF: 44.3/43

In: -0.000+/-0.004 χ^2/NDF:44.5/41

Out: 0.009+/-0.004 χ^2/NDF:70.5/49

All: 0.005+/-0.003 χ^2/NDF: 117.5/91



Right In: 22.294+/-0.006 χ^2/NDF: 1739228.4/18

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 21.863+/-0.005 χ^2/NDF: 3563603.2/24

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

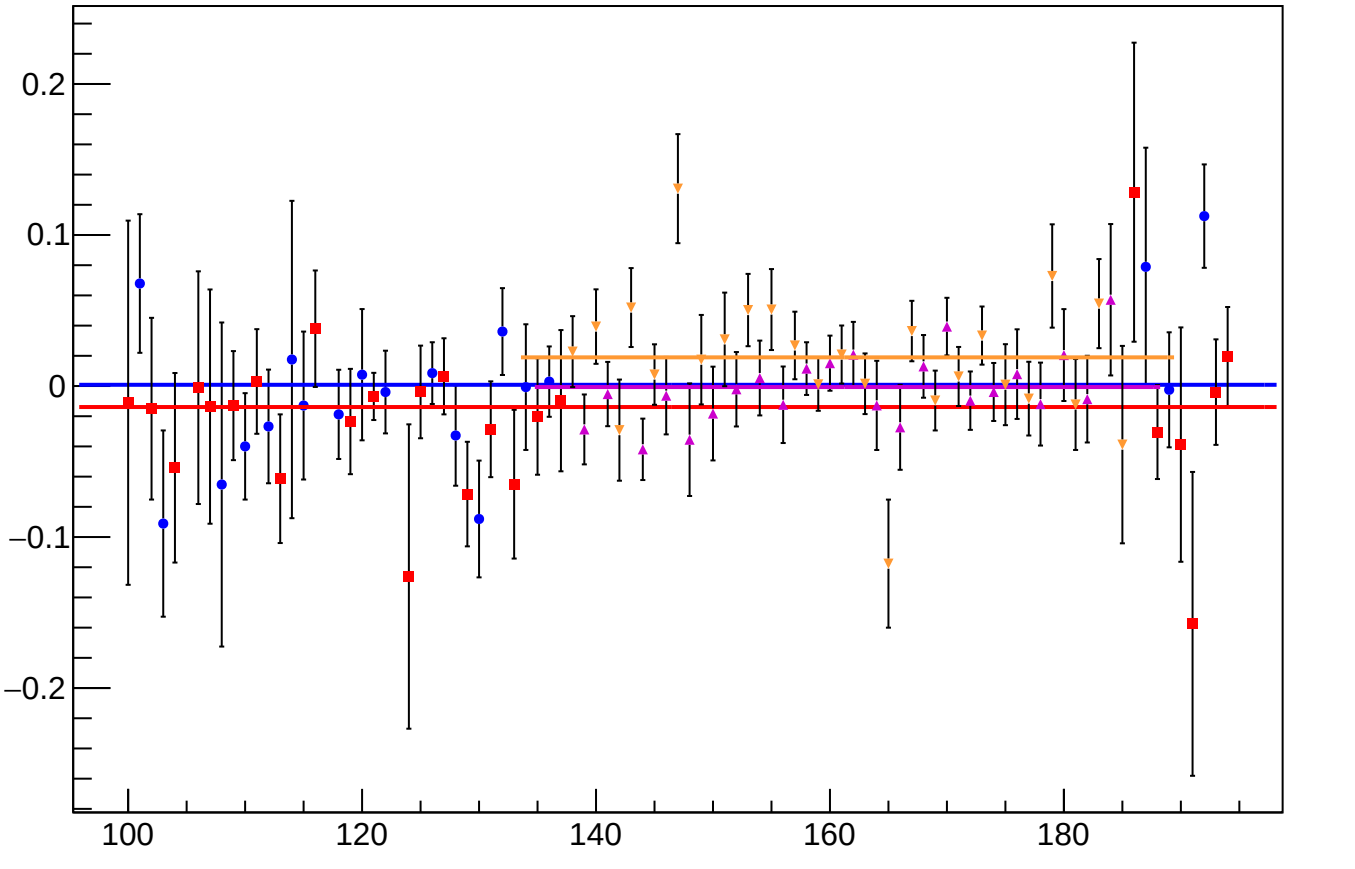
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

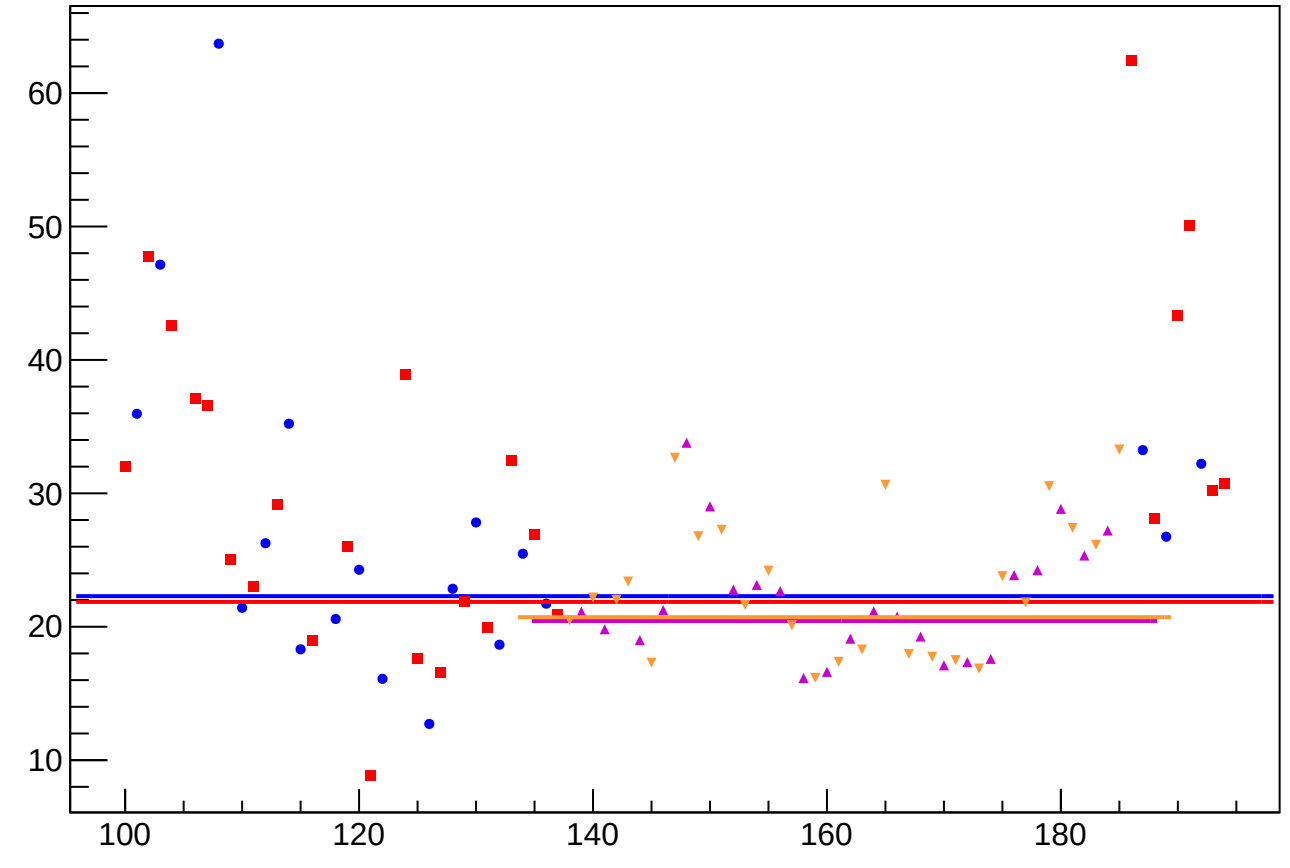
Right: 22.060+/-0.004 χ^2/NDF: 5305882.0/43

In: 20.932+/-0.003 χ^2/NDF:2990198.9/41

Out: 21.060+/-0.003 χ^2/NDF:5103056.7/49

All: 20.998+/-0.002 χ^2/NDF: 8094204.5/91


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
Right In: 0.001+/-0.008 χ²/NDF: 26.8/18
Left Out: 0.019+/-0.005 χ²/NDF:41.2/24
Right Out: -0.014+/-0.007 χ²/NDF: 15.7/24
Left In: -0.001+/-0.005 χ²/NDF:17.7/22
Left: 0.009+/-0.003 χ²/NDF: 66.9/47
Right: -0.007+/-0.005 χ²/NDF: 44.3/43
In: -0.000+/-0.004 χ²/NDF:44.5/41
Out: 0.009+/-0.004 χ²/NDF:70.5/49
All: 0.005+/-0.003 χ²/NDF: 117.5/91



Right In: 22.294+/-0.006 χ^2/NDF: 1739228.4/18

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 21.863+/-0.005 χ^2/NDF: 3563603.2/24

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

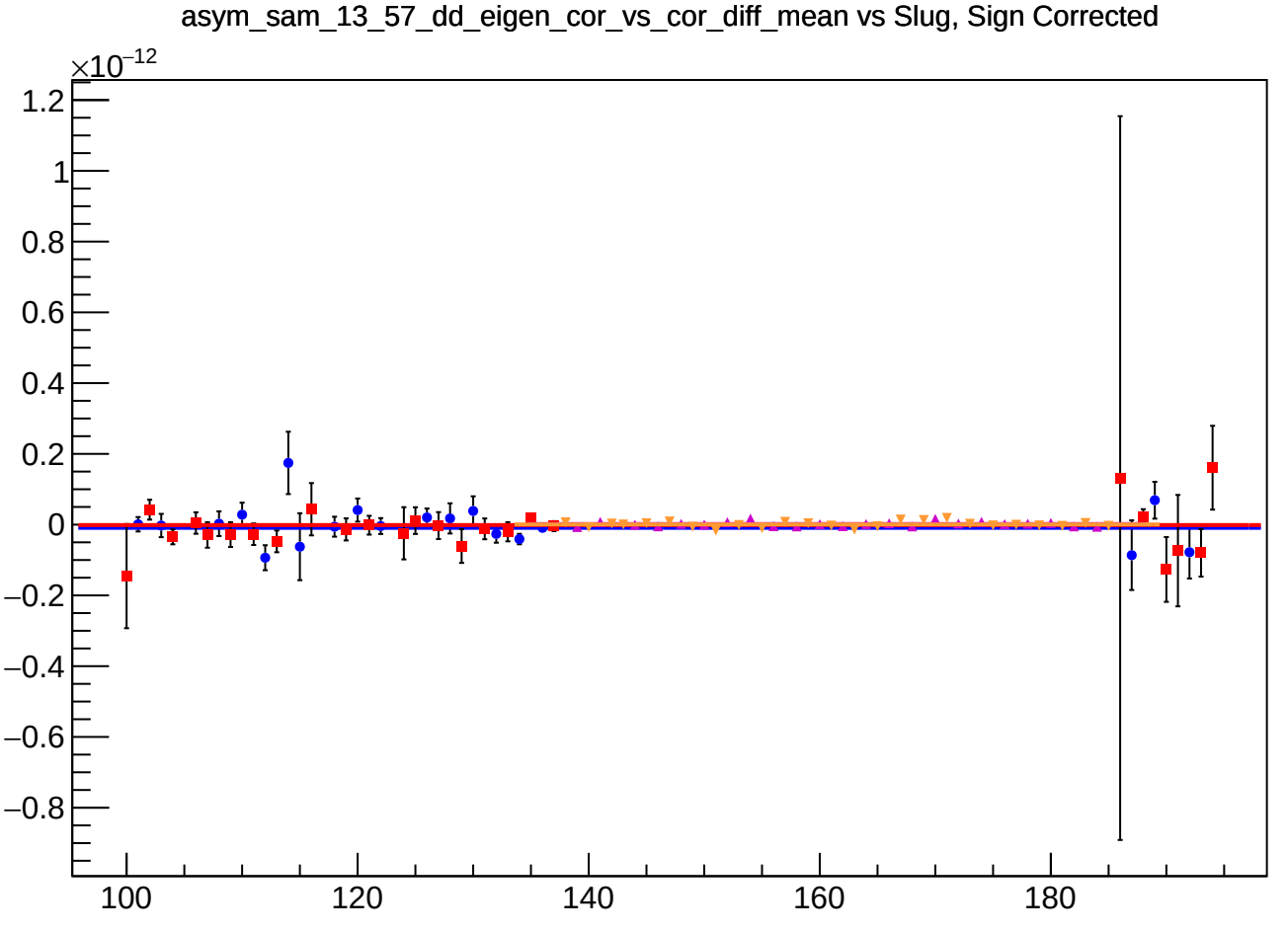
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 22.060+/-0.004 χ^2/NDF: 5305882.0/43

In: 20.932+/-0.003 χ^2/NDF:2990198.9/41

Out: 21.060+/-0.003 χ^2/NDF:5103056.7/49

All: 20.998+/-0.002 χ^2/NDF: 8094204.5/91



Right In: -0.000+/-0.000 χ^2/NDF: 26.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/24

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

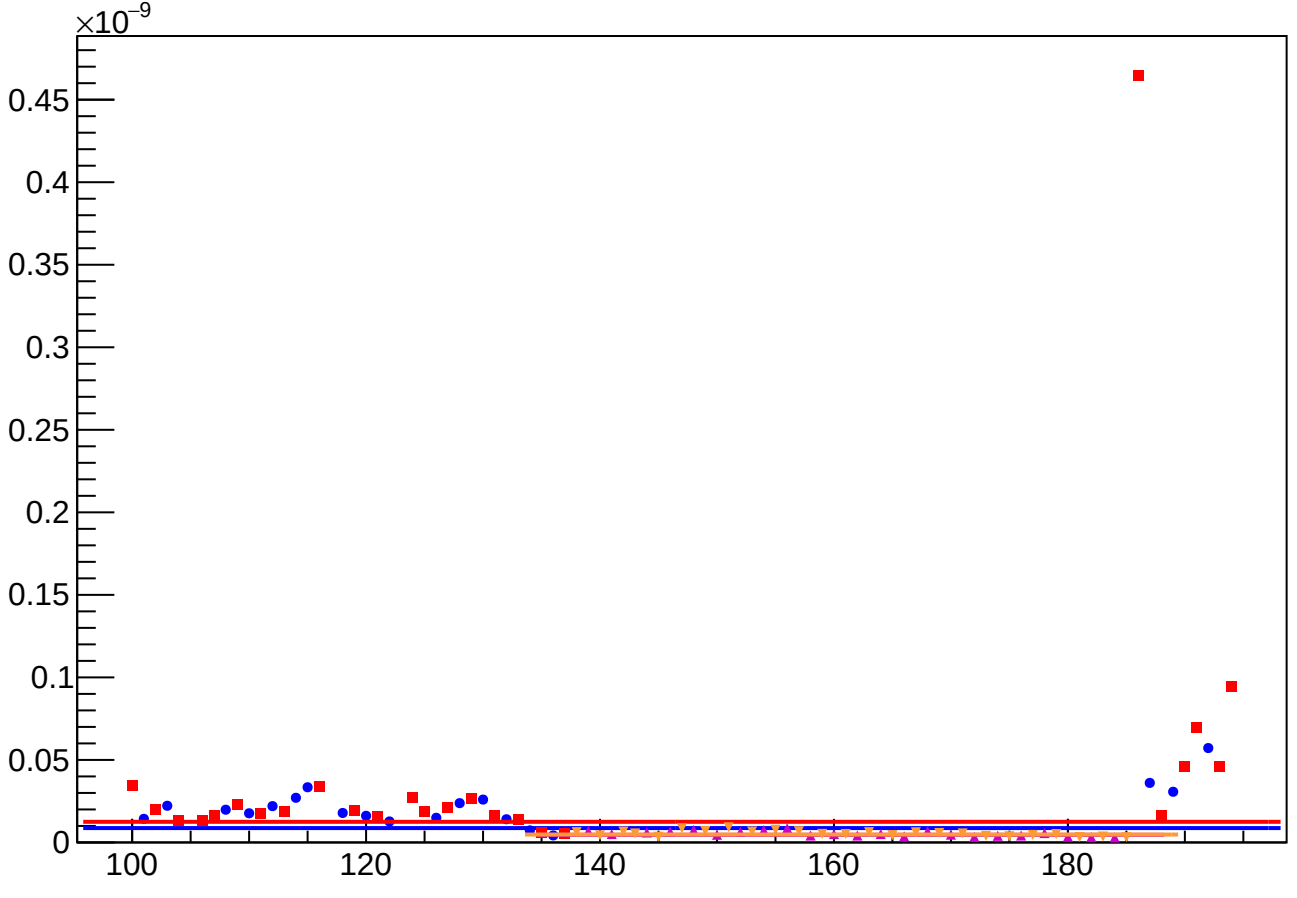
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: -0.000+/-0.000 χ^2/NDF: 50.7/43

In: 0.000+/-0.000 χ^2/NDF:52.0/41

Out: 0.000+/-0.000 χ^2/NDF:52.4/49

All: 0.000+/-0.000 χ^2/NDF: 104.4/91



Right In: 0.000+/-0.000 χ^2/NDF: 5107787.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5102082.8/24

Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

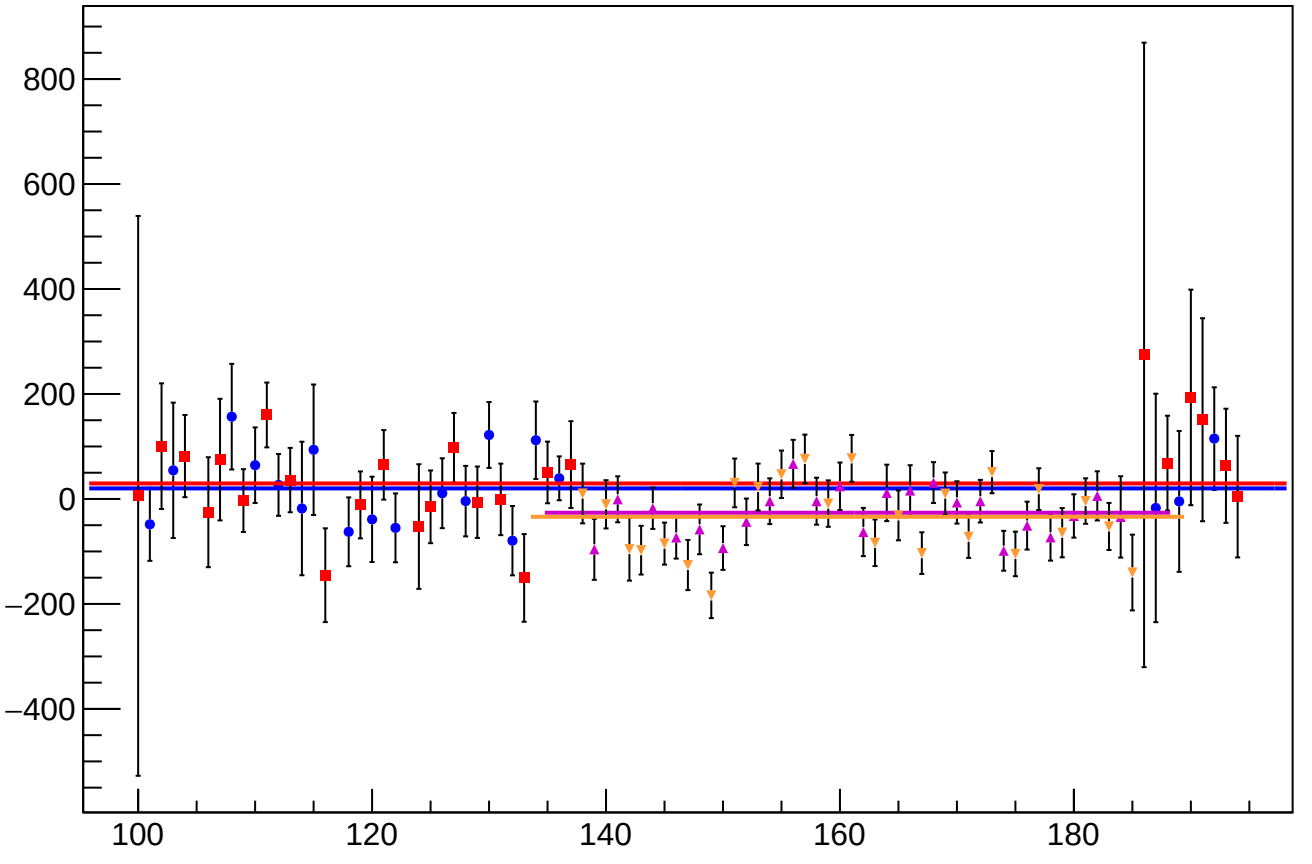
Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

Right: 0.000+/-0.000 χ^2/NDF: 10787630.3/43

In: 0.000+/-0.000 χ^2/NDF:8564446.0/41

Out: 0.000+/-0.000 χ^2/NDF:10967617.4/49

All: 0.000+/-0.000 χ^2/NDF: 19577077.7/91



Right In: 20.076+/-17.006 χ^2/NDF: 15.0/18

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: 29.513+/-16.525 χ^2/NDF: 19.4/24

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

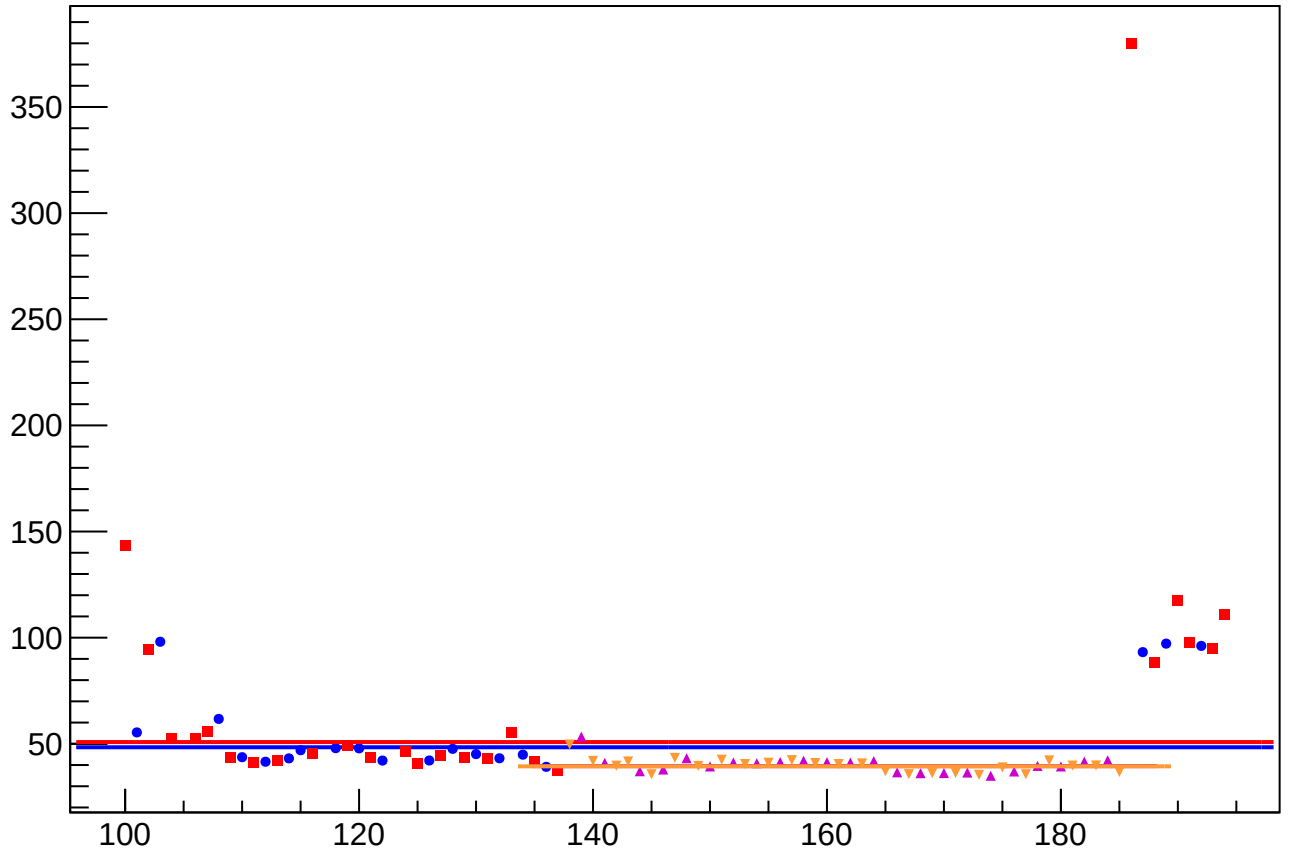
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 24.930+/-11.851 χ^2/NDF: 34.6/43

In: -15.648+/-8.140 χ^2/NDF:43.2/41

Out: -19.452+/-7.899 χ^2/NDF:89.5/49

All: -17.607+/-5.669 χ^2/NDF: 132.8/91



Right In: 48.369+/-0.012 χ^2/NDF: 1374404.2/18

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 50.817+/-0.012 χ^2/NDF: 2848325.4/24

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

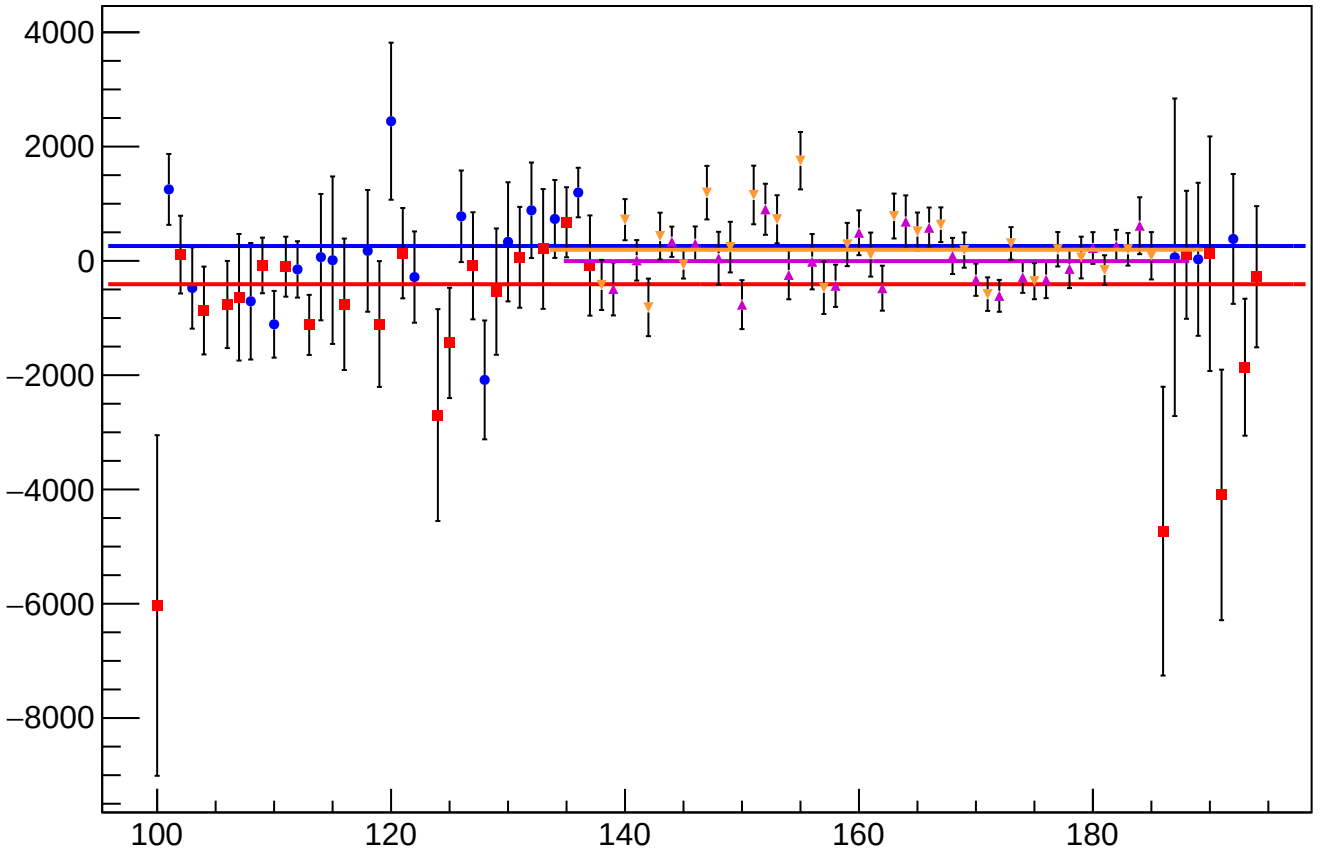
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 49.628+/-0.008 χ^2/NDF: 4244036.0/43

In: 41.525+/-0.006 χ^2/NDF:2046440.4/41

Out: 41.995+/-0.006 χ^2/NDF:3815879.3/49

All: 41.767+/-0.004 χ^2/NDF: 5865756.8/91



Right In: 259.926+/-180.735 χ^2/NDF: 25.0/18

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: -408.477+/-173.077 χ^2/NDF: 22.5/24

Left In: -4.015+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

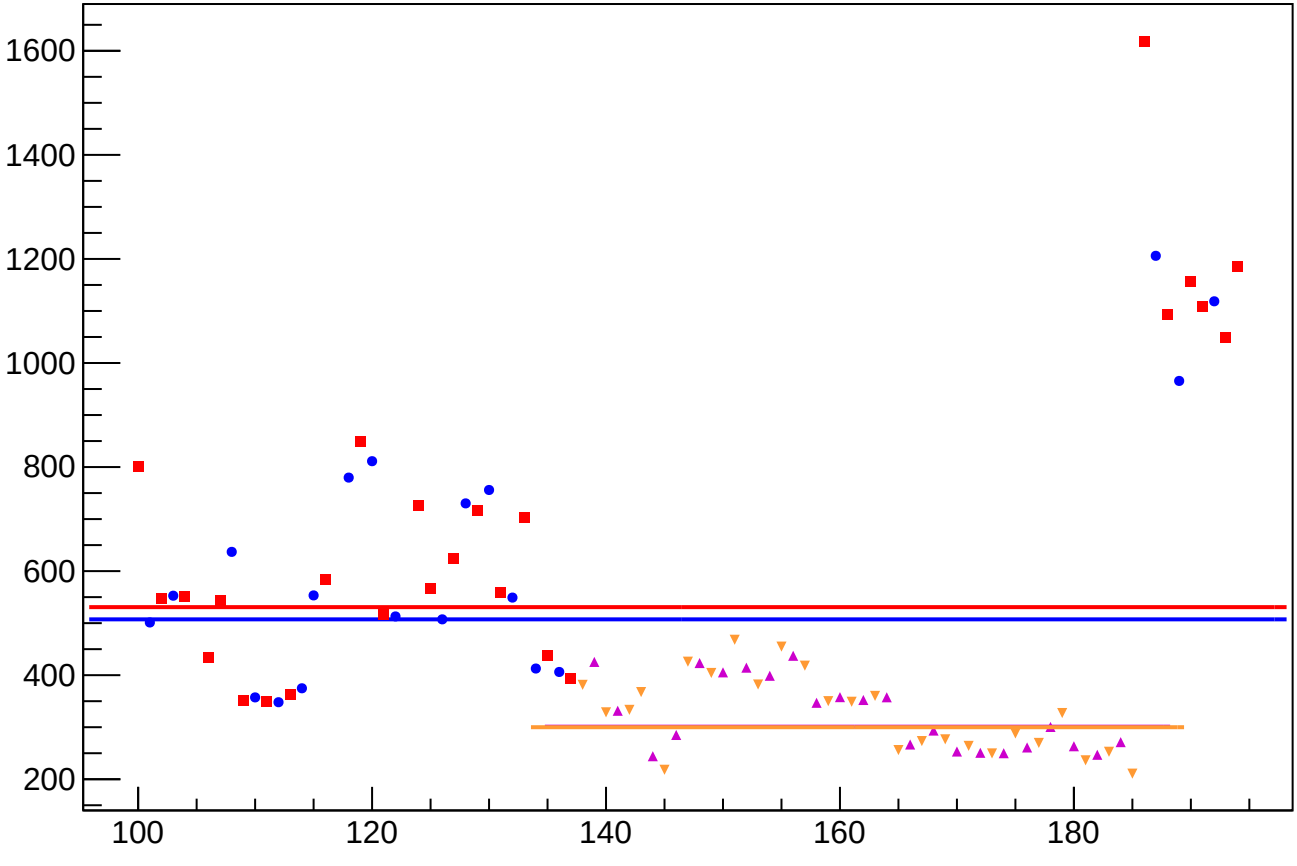
Right: -88.737+/-125.003 χ^2/NDF: 54.7/43

In: 32.119+/-66.873 χ^2/NDF:59.2/41

Out: 109.995+/-64.967 χ^2/NDF:81.6/49

All: 72.182+/-46.598 χ^2/NDF: 141.5/91

asym_sam_15_37_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 507.289+/-0.128 χ^2/NDF: 1938283.0/18

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 530.782+/-0.122 χ^2/NDF: 3327988.8/24

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

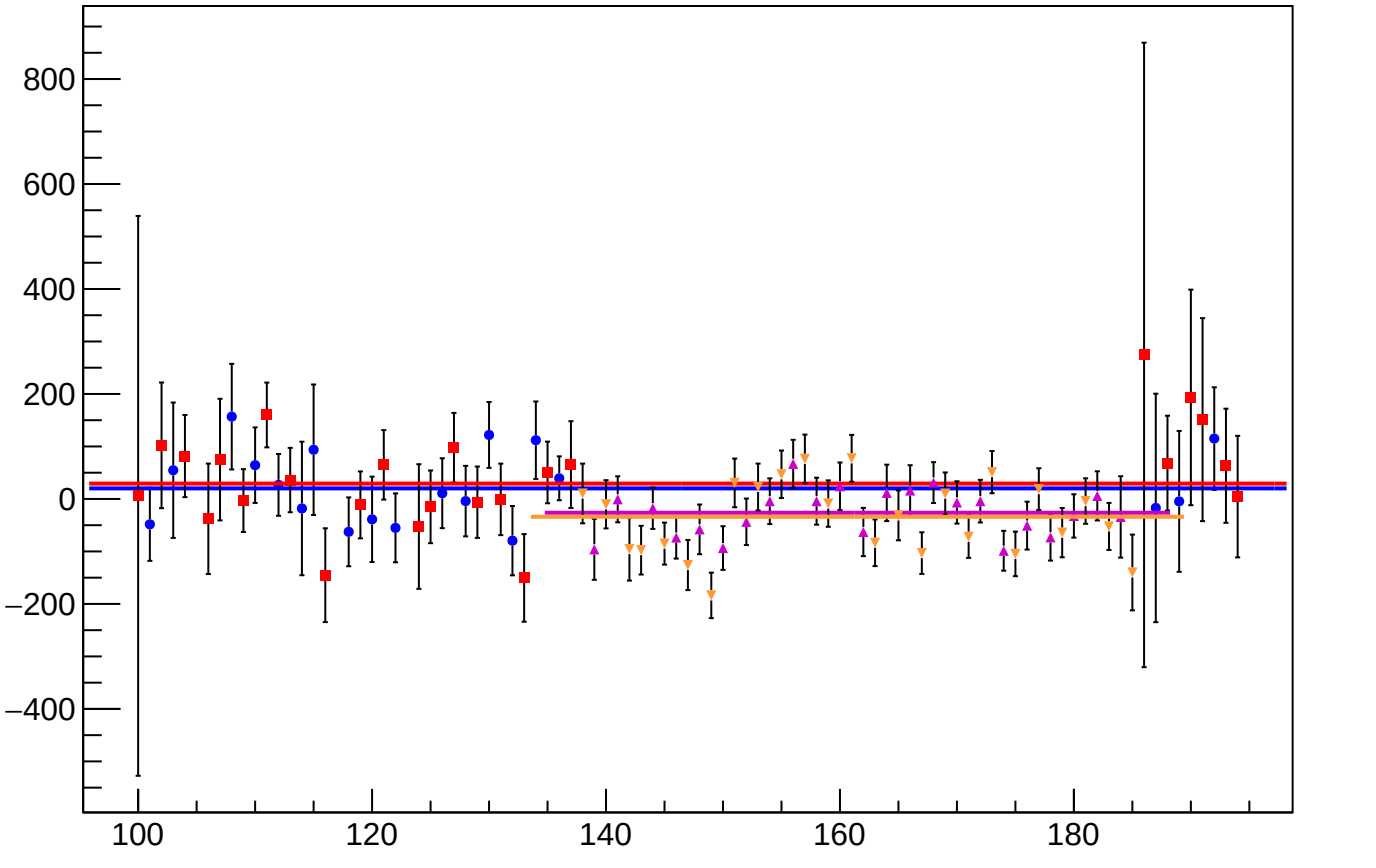
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

Right: 519.544+/-0.088 χ^2/NDF: 5283899.5/43

In: 329.241+/-0.047 χ^2/NDF:5594324.7/41

Out: 332.497+/-0.046 χ^2/NDF:8192007.6/49

All: 330.916+/-0.033 χ^2/NDF: 13788771.6/91



Right In: 20.081+/-17.006 χ^2/NDF: 15.0/18

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 29.248+/-16.527 χ^2/NDF: 19.6/24

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

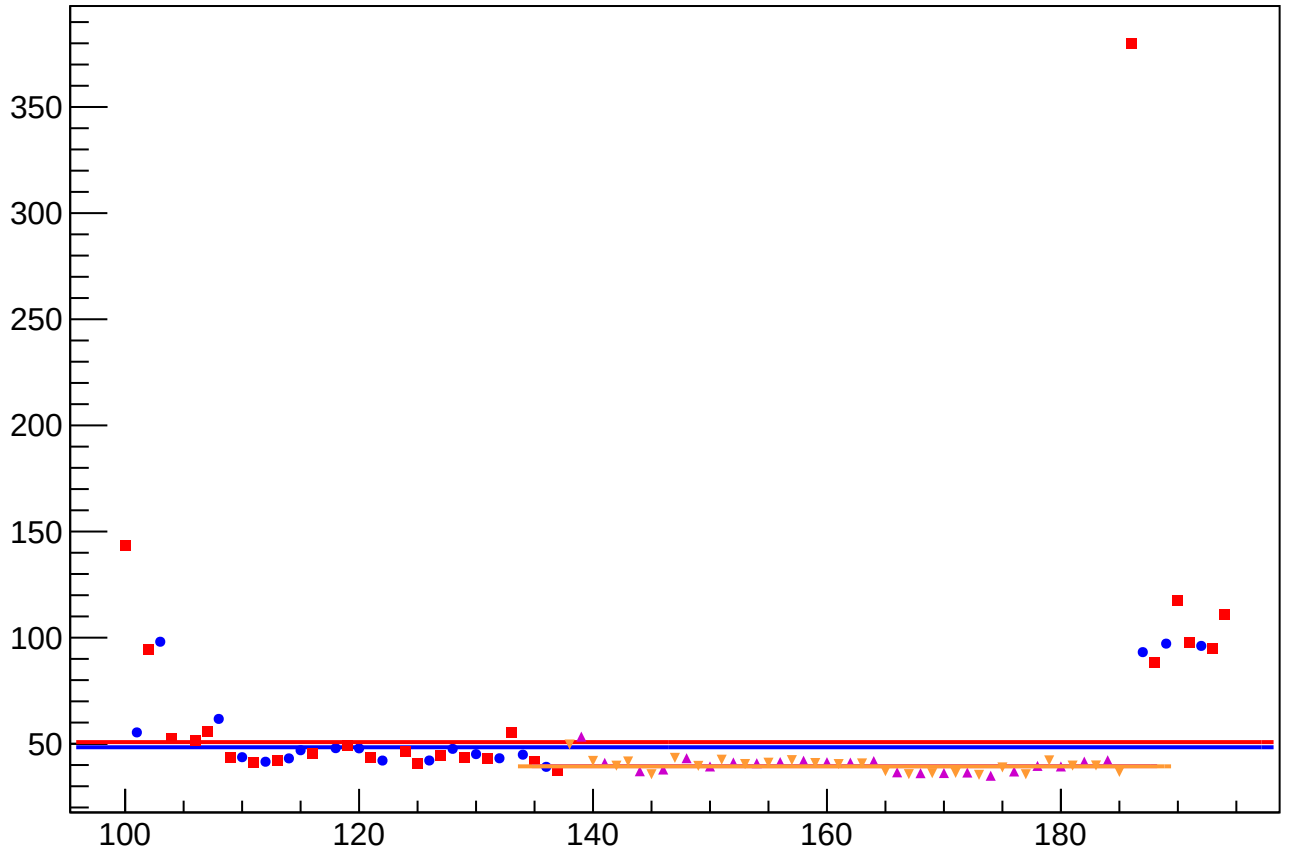
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 24.795+/-11.852 χ^2/NDF: 34.7/43

In: -15.647+/-8.140 χ^2/NDF:43.2/41

Out: -19.515+/-7.900 χ^2/NDF:89.6/49

All: -17.639+/-5.669 χ^2/NDF: 132.9/91



Right In: 48.369+/-0.012 χ^2/NDF: 1374407.2/18

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 50.796+/-0.012 χ^2/NDF: 2848174.5/24

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

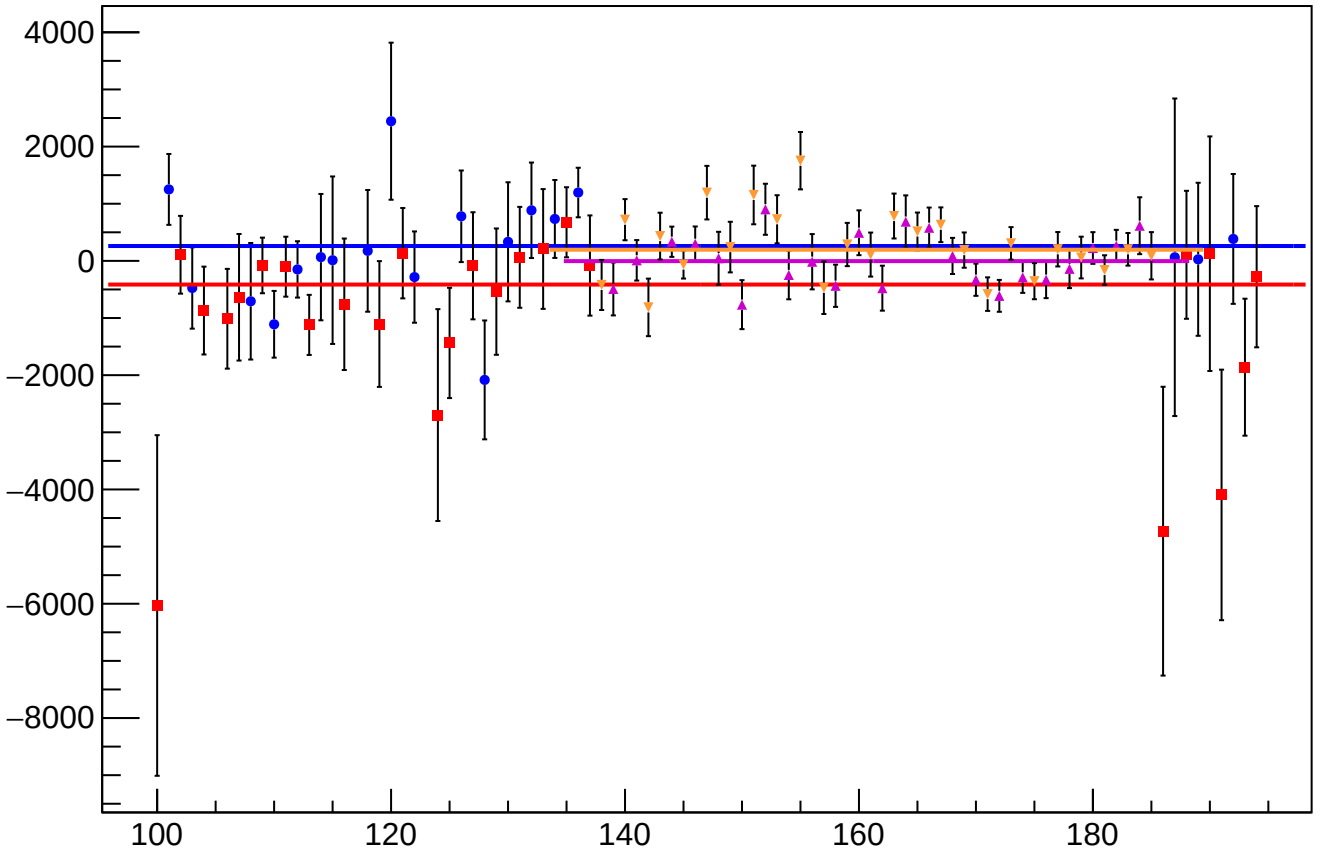
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 49.617+/-0.008 χ^2/NDF: 4243530.2/43

In: 41.525+/-0.006 χ^2/NDF:2046443.3/41

Out: 41.990+/-0.006 χ^2/NDF:3812946.7/49

All: 41.765+/-0.004 χ^2/NDF: 5862752.0/91



Right In: 259.930+/-180.736 χ^2/NDF: 25.0/18

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -414.281+/-174.149 χ^2/NDF: 22.8/24

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

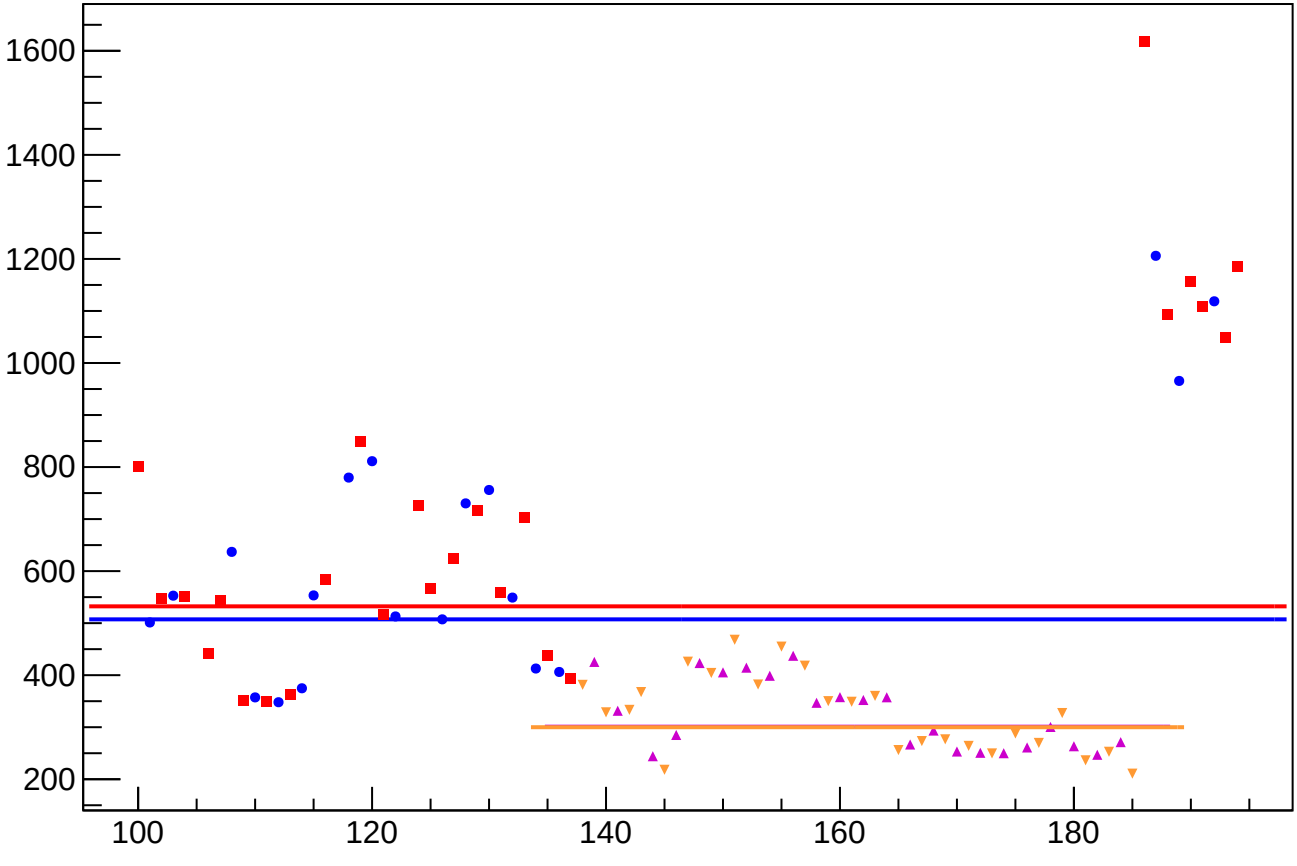
Right: -89.687+/-125.406 χ^2/NDF: 55.0/43

In: 32.120+/-66.873 χ^2/NDF:59.2/41

Out: 110.083+/-65.024 χ^2/NDF:81.9/49

All: 72.194+/-46.619 χ^2/NDF: 141.9/91

asym_sam_15_37_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 507.291+/-0.128 χ^2/NDF: 1938304.7/18

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 532.289+/-0.123 χ^2/NDF: 3316738.3/24

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

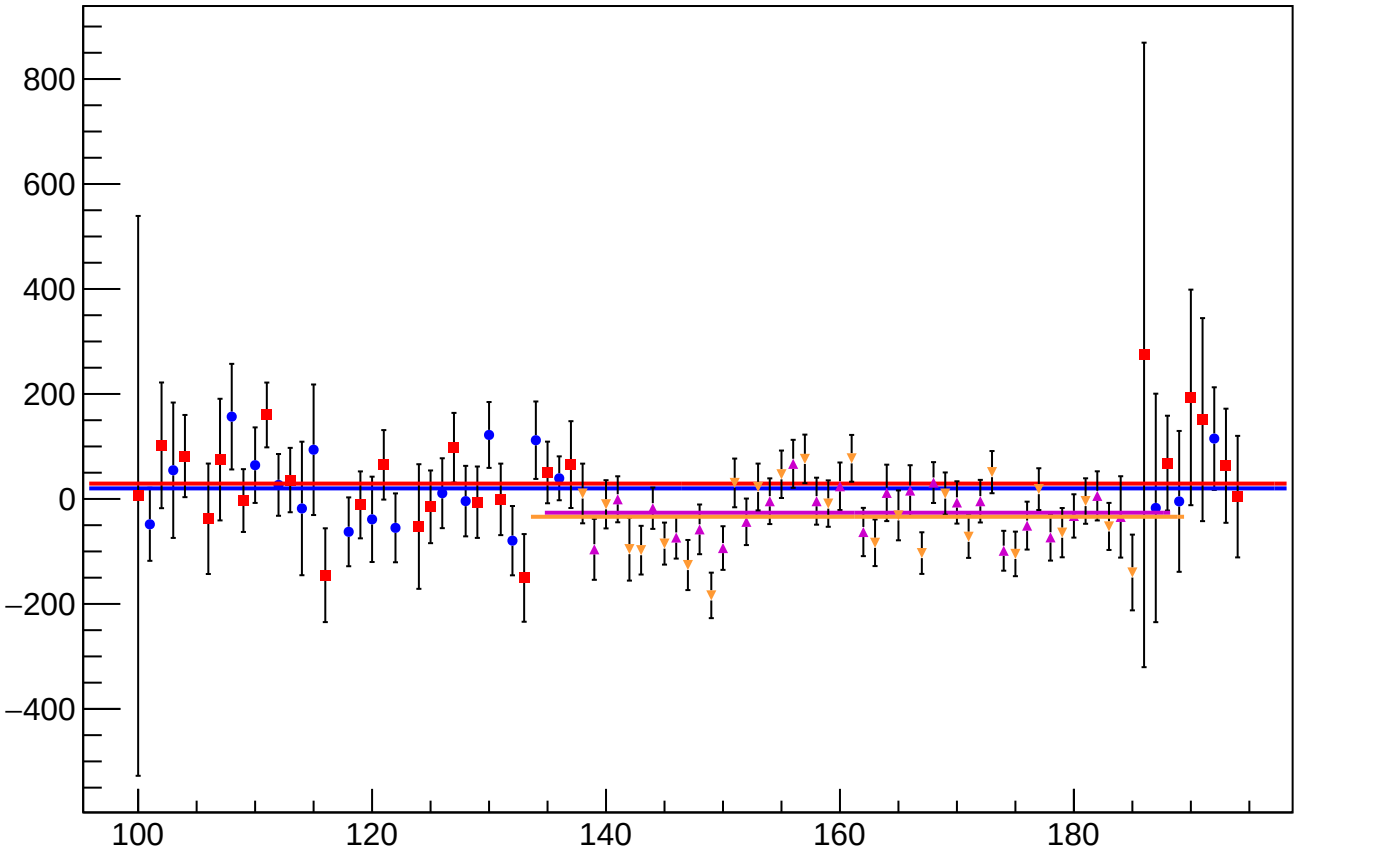
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 520.254+/-0.089 χ^2/NDF: 5274882.2/43

In: 329.241+/-0.047 χ^2/NDF:5594386.8/41

Out: 332.364+/-0.046 χ^2/NDF:8188073.0/49

All: 330.846+/-0.033 χ^2/NDF: 13784701.5/91



Right In: 20.081+/-17.006 χ^2/NDF: 15.0/18

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 29.248+/-16.527 χ^2/NDF: 19.6/24

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

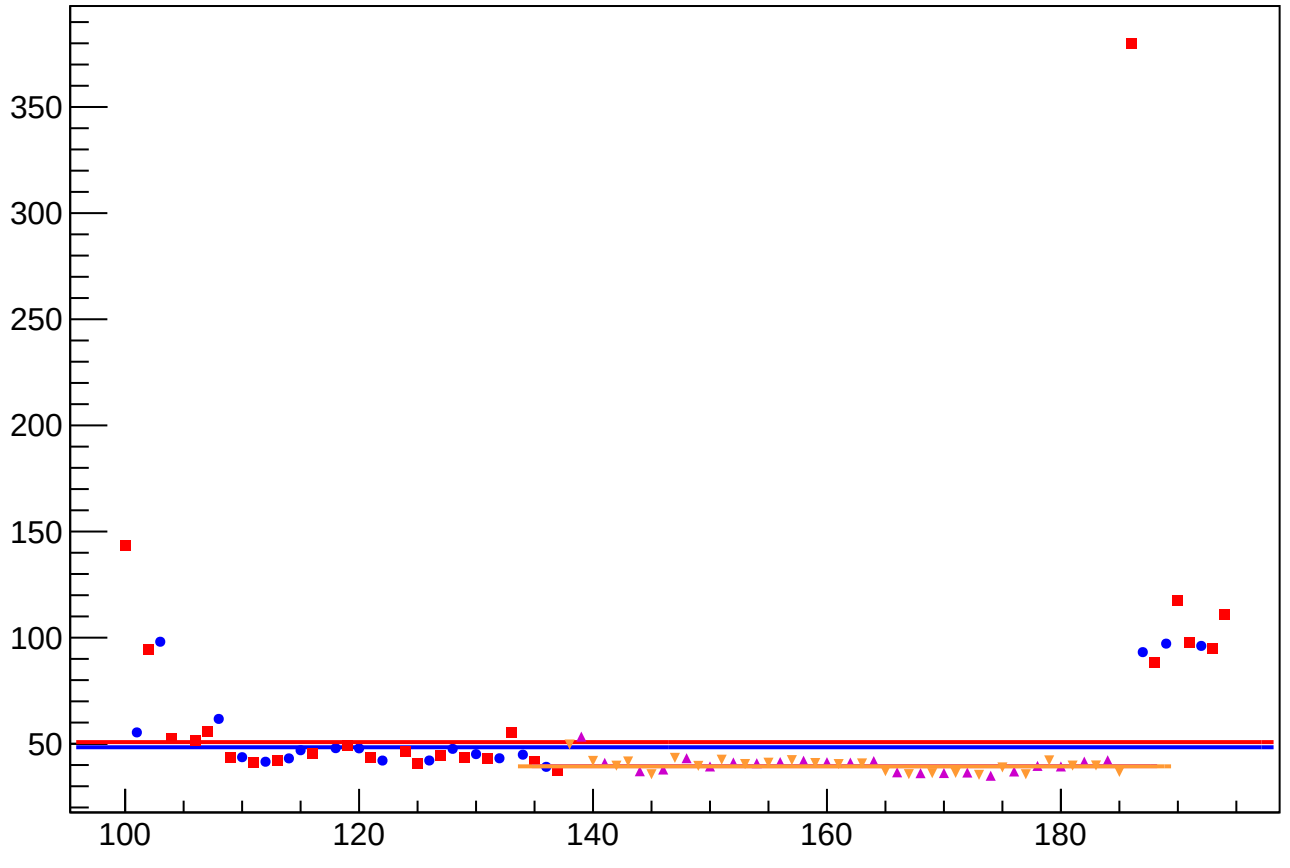
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 24.795+/-11.852 χ^2/NDF: 34.7/43

In: -15.647+/-8.140 χ^2/NDF:43.2/41

Out: -19.515+/-7.900 χ^2/NDF:89.6/49

All: -17.639+/-5.669 χ^2/NDF: 132.9/91



Right In: 48.369+/-0.012 χ^2/NDF: 1374407.2/18

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 50.796+/-0.012 χ^2/NDF: 2848174.5/24

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

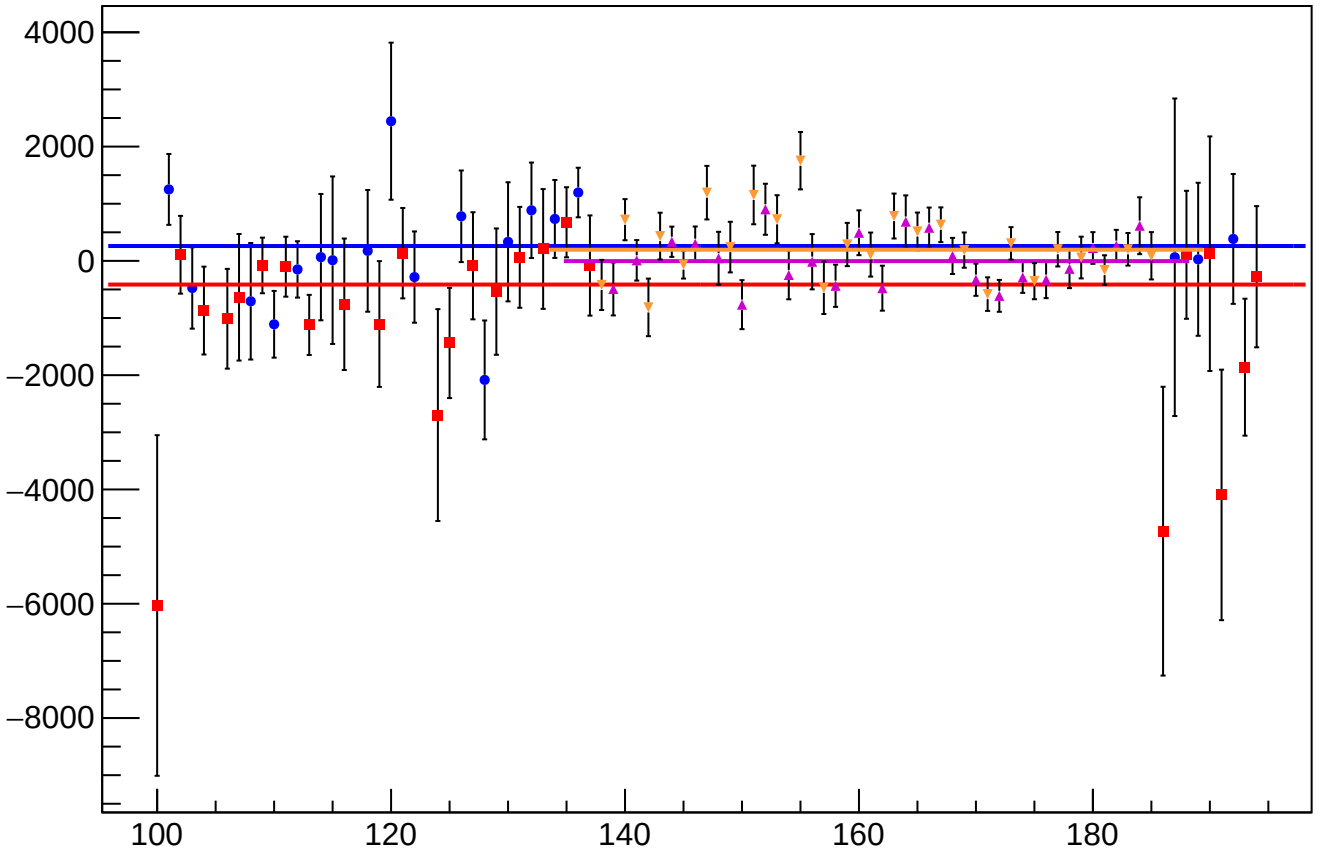
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 49.617+/-0.008 χ^2/NDF: 4243530.2/43

In: 41.525+/-0.006 χ^2/NDF:2046443.3/41

Out: 41.990+/-0.006 χ^2/NDF:3812946.7/49

All: 41.765+/-0.004 χ^2/NDF: 5862752.0/91



Right In: 259.930+/-180.736 χ^2/NDF: 25.0/18

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -414.281+/-174.149 χ^2/NDF: 22.8/24

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

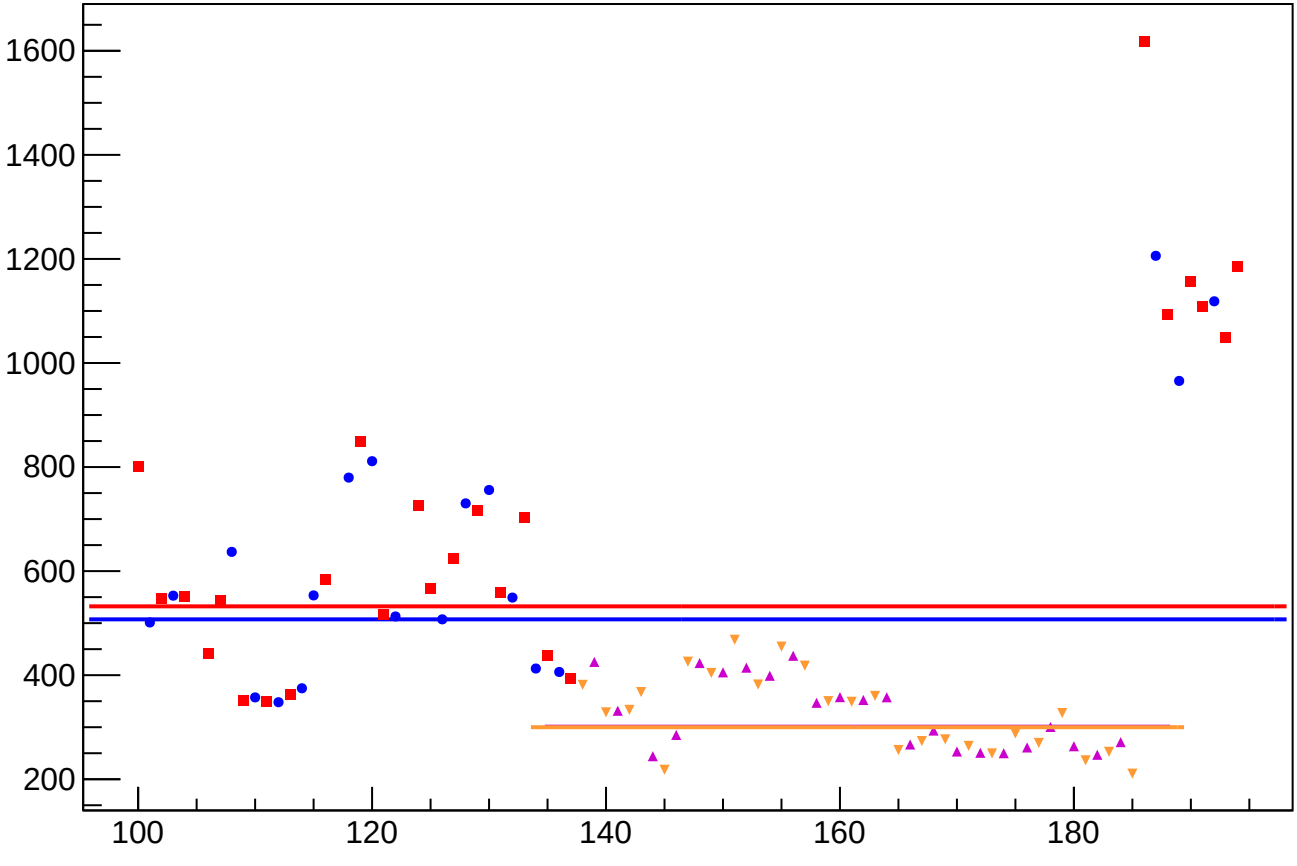
Right: -89.687+/-125.406 χ^2/NDF: 55.0/43

In: 32.120+/-66.873 χ^2/NDF:59.2/41

Out: 110.083+/-65.024 χ^2/NDF:81.9/49

All: 72.194+/-46.619 χ^2/NDF: 141.9/91

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 507.291+/-0.128 χ^2/NDF: 1938304.7/18

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 532.289+/-0.123 χ^2/NDF: 3316738.3/24

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

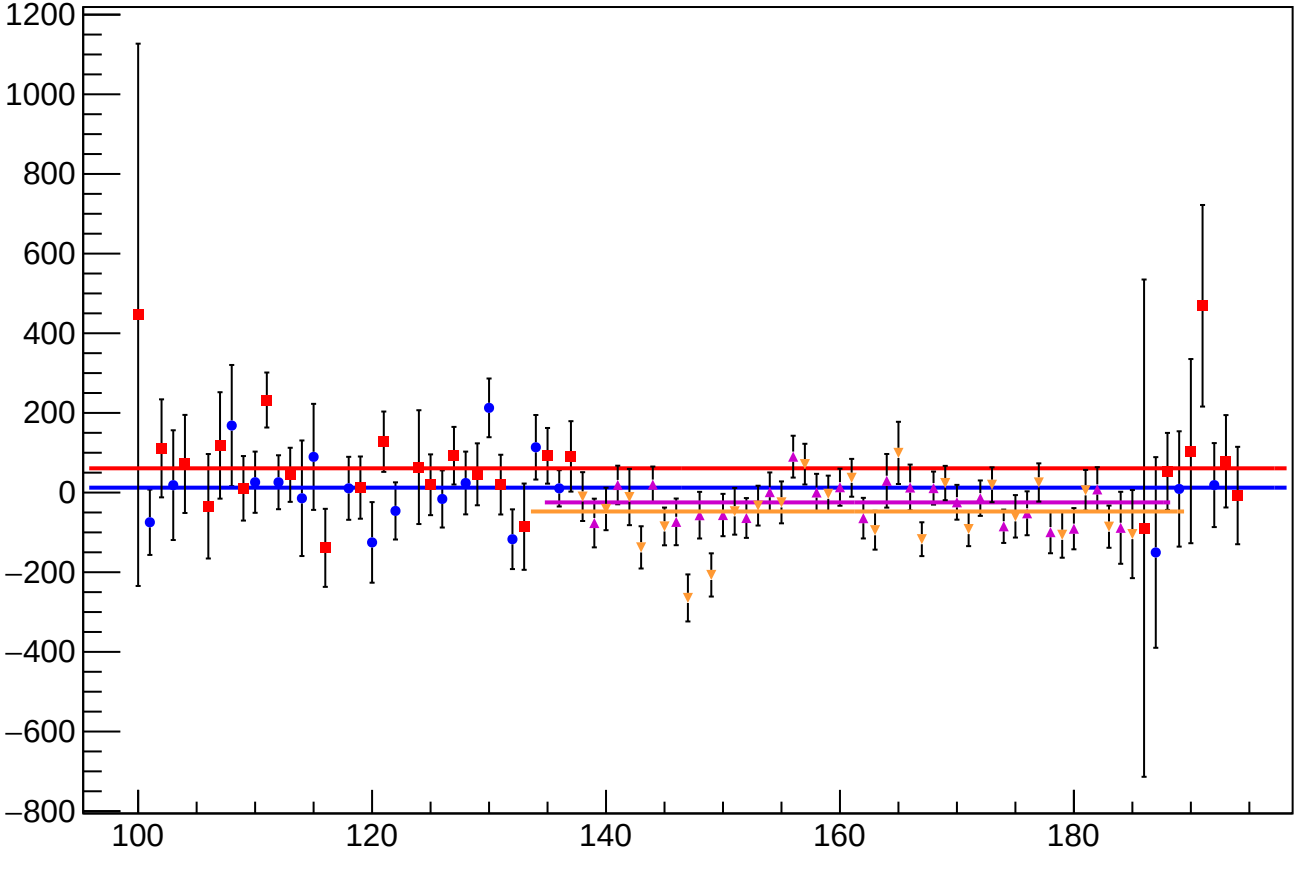
Right: 520.254+/-0.089 χ^2/NDF: 5274882.2/43

In: 329.241+/-0.047 χ^2/NDF:5594386.8/41

Out: 332.364+/-0.046 χ^2/NDF:8188073.0/49

All: 330.846+/-0.033 χ^2/NDF: 13784701.5/91

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 12.316+/-19.269 χ^2/NDF: 17.7/18

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 60.915+/-19.148 χ^2/NDF: 19.1/24

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

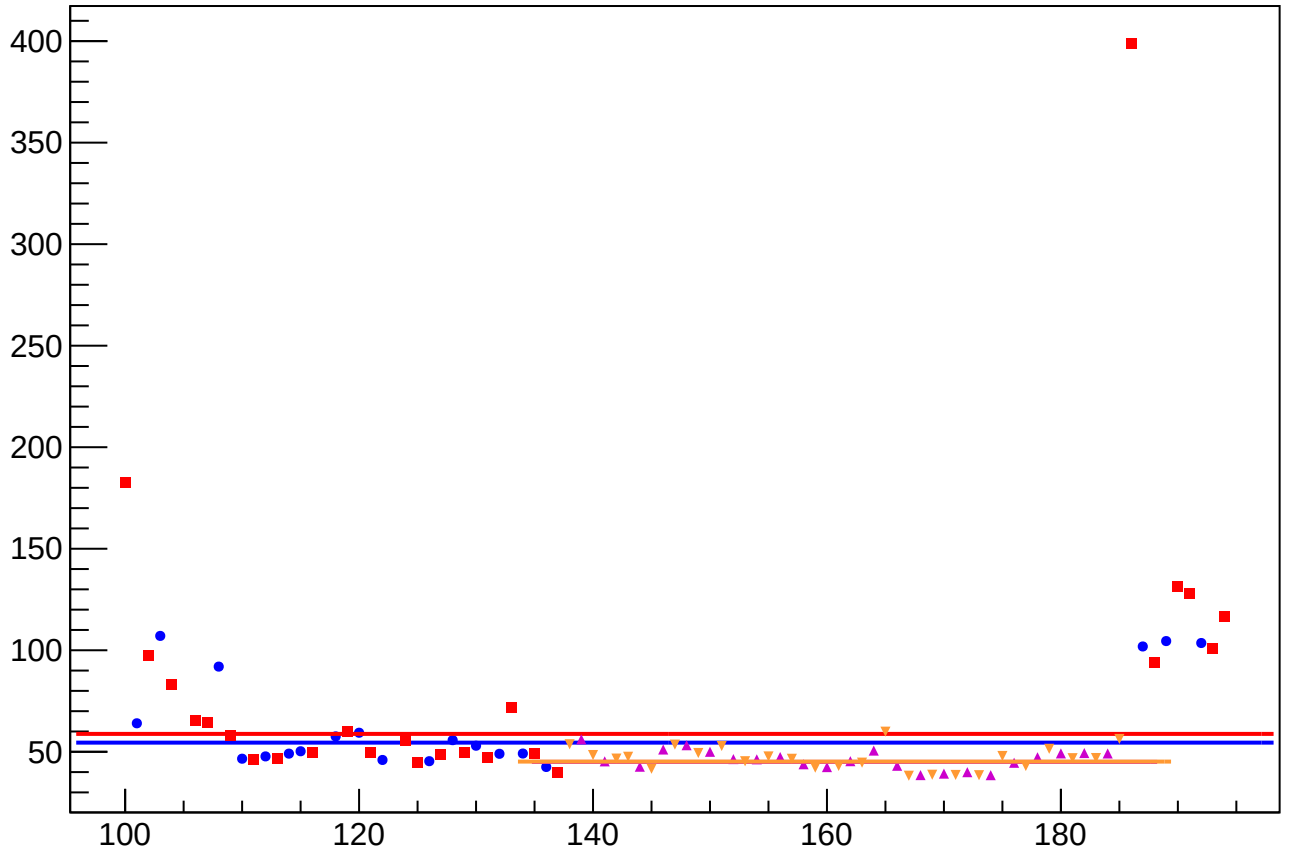
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 36.769+/-13.582 χ^2/NDF: 40.0/43

In: -16.016+/-9.328 χ^2/NDF:40.2/41

Out: -22.816+/-9.134 χ^2/NDF:98.6/49

All: -19.487+/-6.526 χ^2/NDF: 139.1/91



Right In: 54.509+/-0.014 χ^2/NDF: 1462761.0/18

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 58.811+/-0.014 χ^2/NDF: 2796088.0/24

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

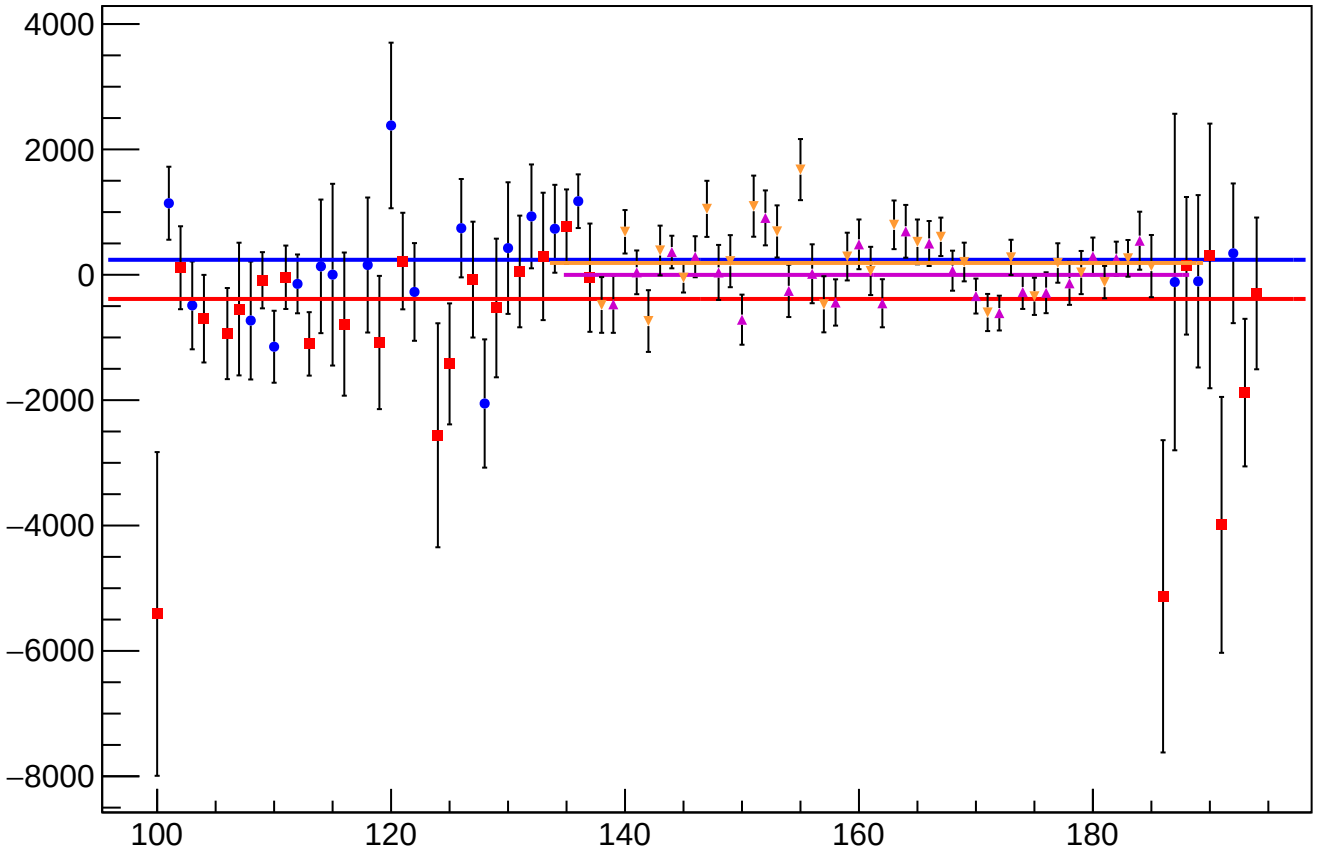
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 56.674+/-0.010 χ^2/NDF: 4309008.7/43

In: 47.242+/-0.007 χ^2/NDF:2207045.1/41

Out: 48.278+/-0.006 χ^2/NDF:4069526.0/49

All: 47.771+/-0.005 χ^2/NDF: 6289171.5/91



Right In: 239.014+/-176.665 χ^2/NDF: 25.7/18

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: -385.574+/-166.598 χ^2/NDF: 25.3/24

Left In: -1.655+/-71.712 χ^2/NDF:32.2/22

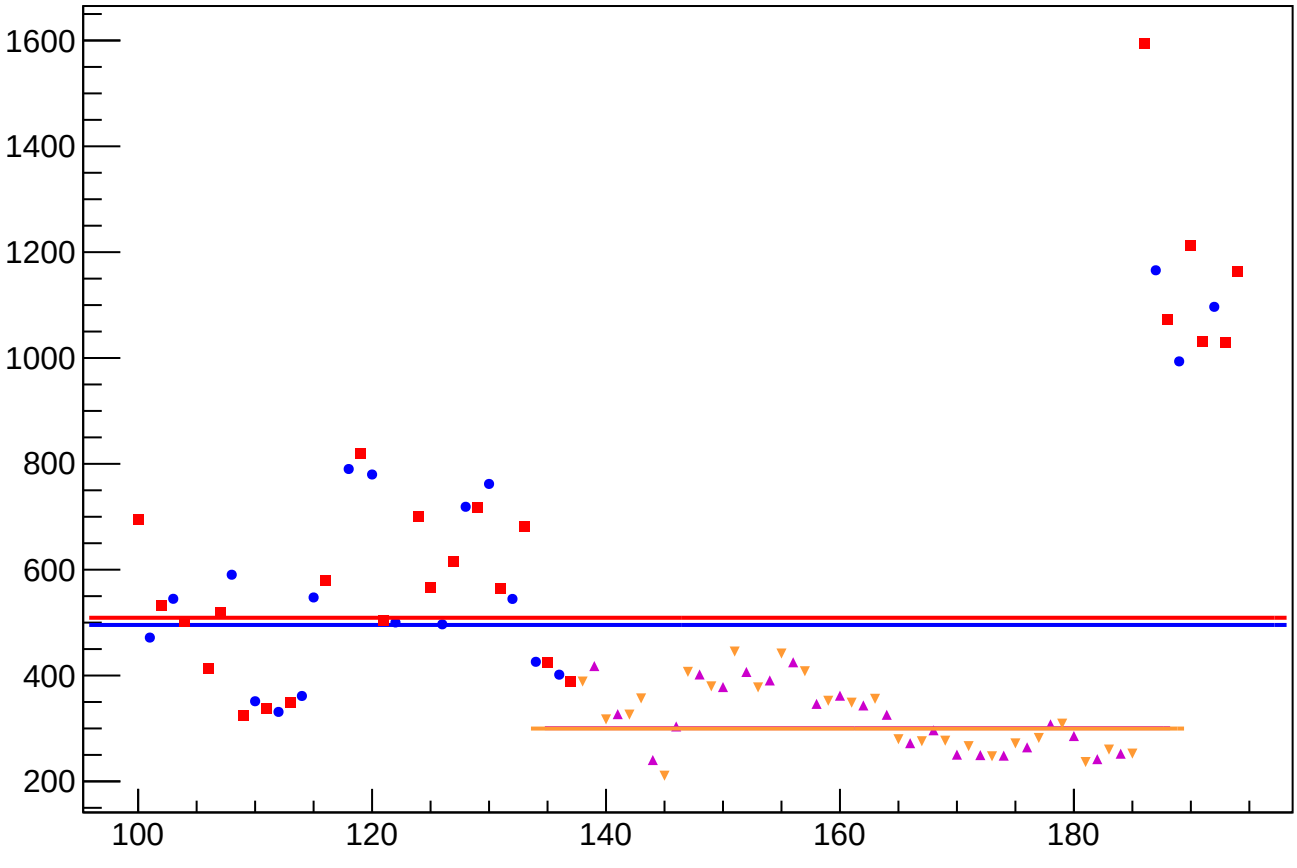
Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

Right: -91.583+/-121.205 χ^2/NDF: 57.6/43

In: 32.391+/-66.447 χ^2/NDF:59.5/41

Out: 103.222+/-64.310 χ^2/NDF:82.2/49

All: 68.963+/-46.211 χ^2/NDF: 142.3/91



Right In: 495.568+/-0.125 χ^2/NDF: 1998384.6/18

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 509.166+/-0.118 χ^2/NDF: 3501177.7/24

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

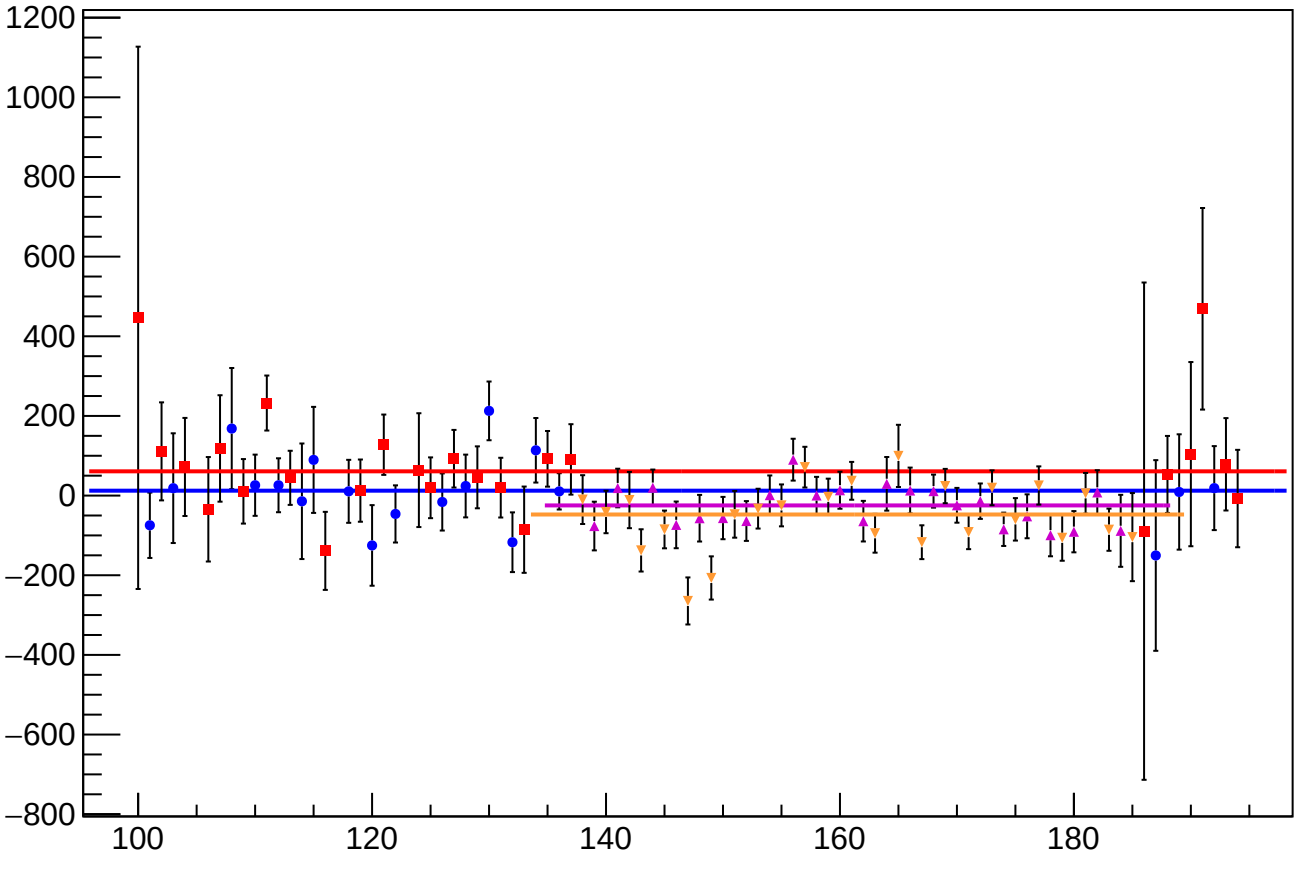
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 502.766+/-0.086 χ^2/NDF: 5505834.1/43

In: 328.133+/-0.047 χ^2/NDF:5350149.0/41

Out: 330.997+/-0.045 χ^2/NDF:7766646.3/49

All: 329.612+/-0.033 χ^2/NDF: 13118713.5/91



Right In: 12.316+/-19.269 χ^2/NDF: 17.7/18

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 60.916+/-19.148 χ^2/NDF: 19.1/24

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

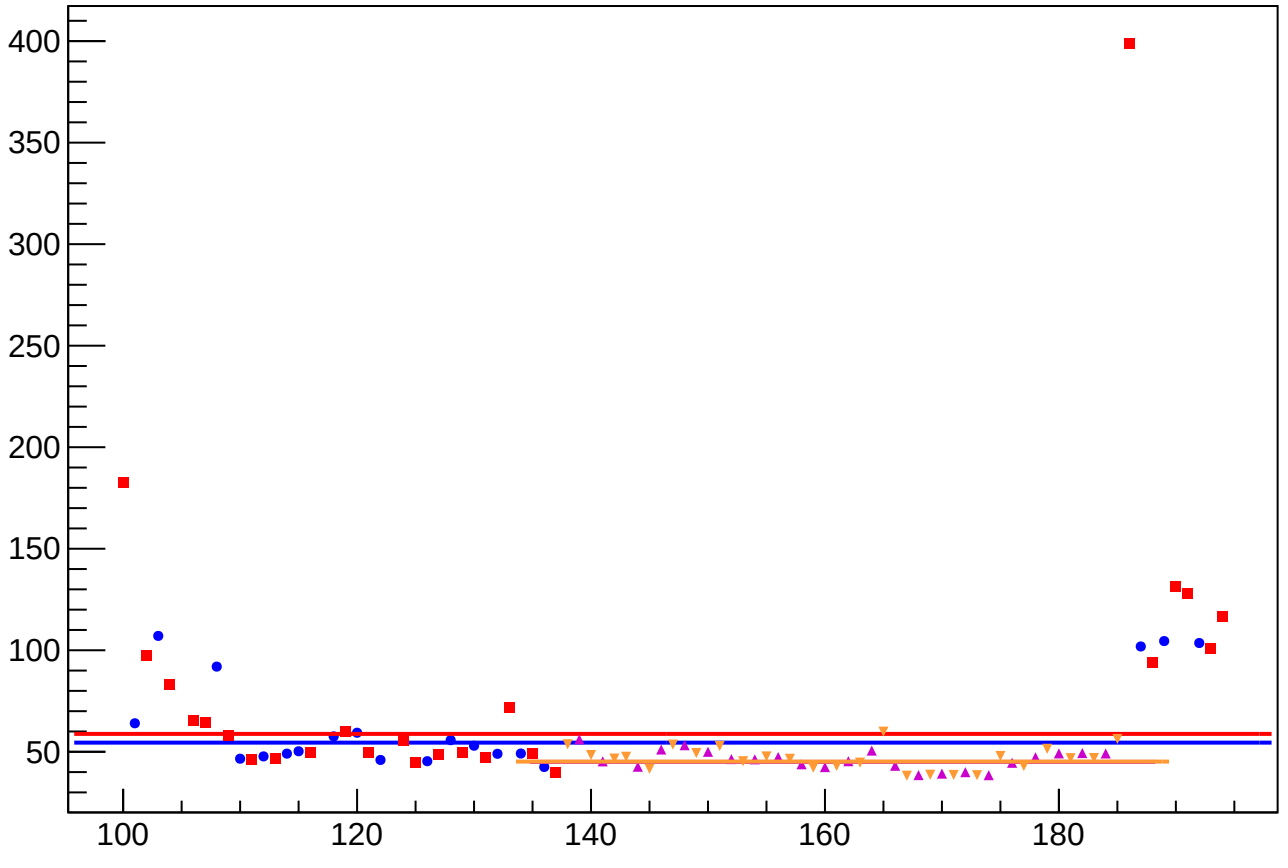
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 36.770+/-13.582 χ^2/NDF: 40.0/43

In: -16.016+/-9.328 χ^2/NDF:40.2/41

Out: -22.816+/-9.134 χ^2/NDF:98.6/49

All: -19.487+/-6.526 χ^2/NDF: 139.1/91



Right In: 54.510+/-0.014 χ^2/NDF: 1462769.0/18

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 58.812+/-0.014 χ^2/NDF: 2796098.6/24

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

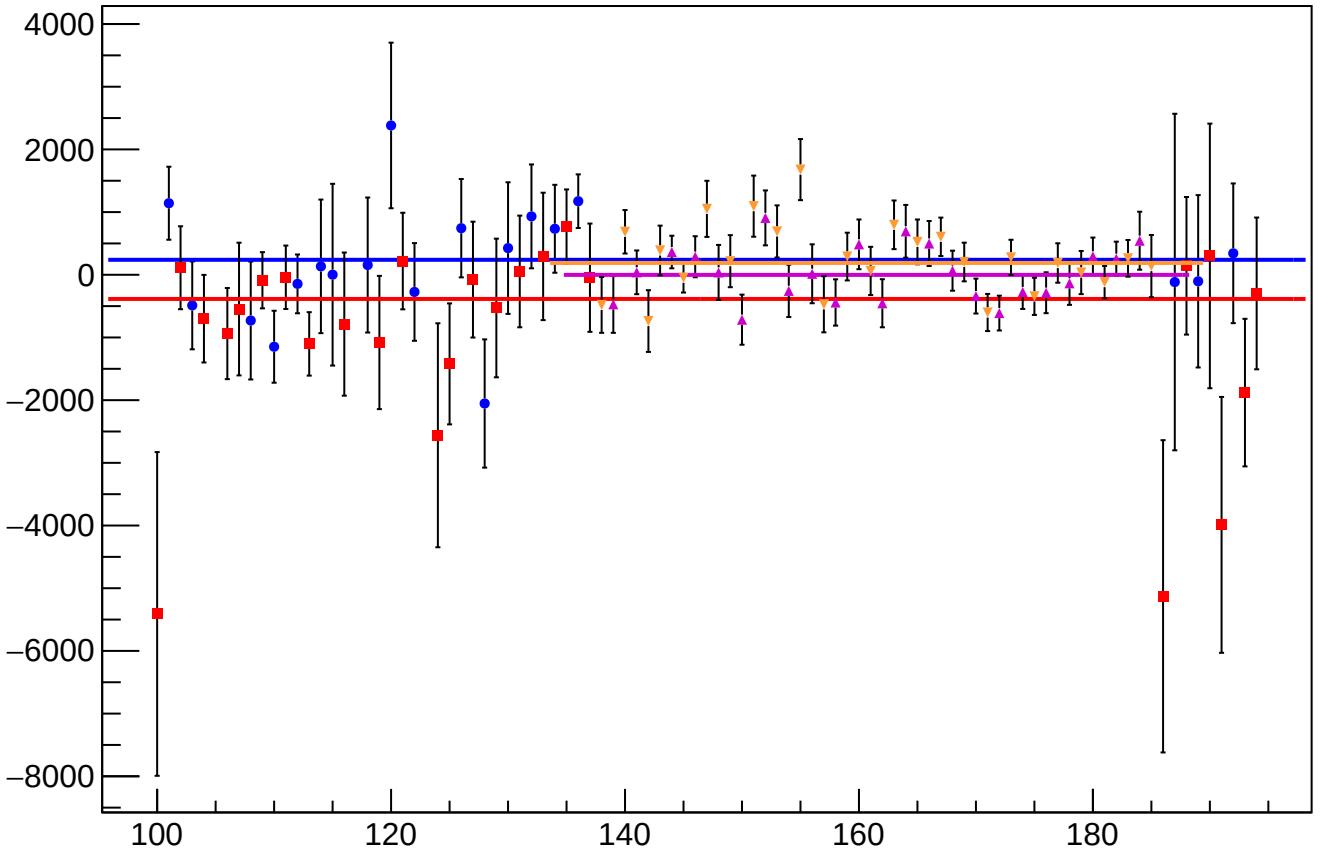
Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

Right: 56.674+/-0.010 χ^2/NDF: 4309028.2/43

In: 47.242+/-0.007 χ^2/NDF:2207052.4/41

Out: 48.278+/-0.006 χ^2/NDF:4069542.1/49

All: 47.771+/-0.005 χ^2/NDF: 6289194.3/91



Right In: 239.013+/-176.665 χ^2/NDF: 25.7/18

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: -385.574+/-166.597 χ^2/NDF: 25.3/24

Left In: -1.654+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

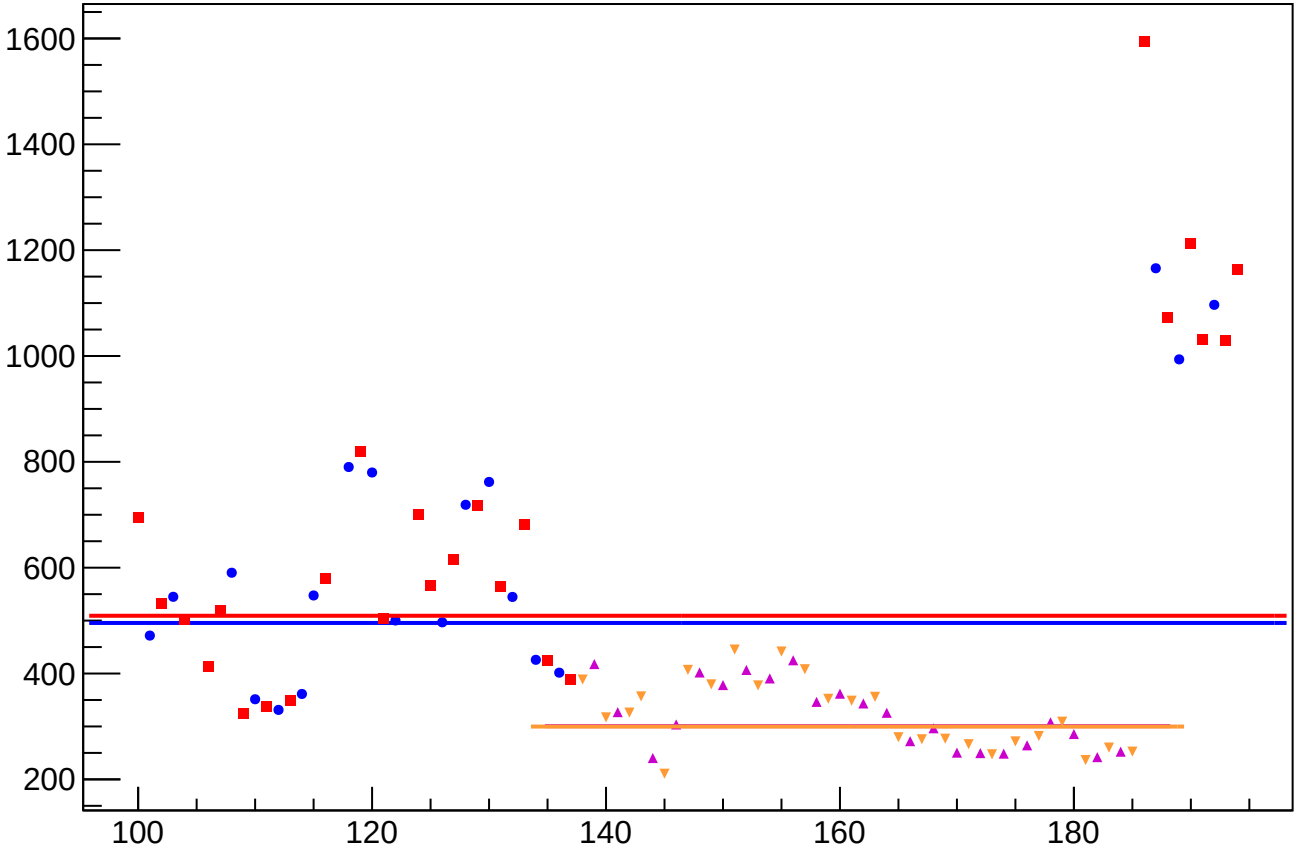
Right: -91.583+/-121.205 χ^2/NDF: 57.6/43

In: 32.392+/-66.447 χ^2/NDF:59.5/41

Out: 103.221+/-64.310 χ^2/NDF:82.2/49

All: 68.964+/-46.211 χ^2/NDF: 142.3/91

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 495.567+/-0.125 χ^2/NDF: 1998388.5/18

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 509.165+/-0.118 χ^2/NDF: 3501176.7/24

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

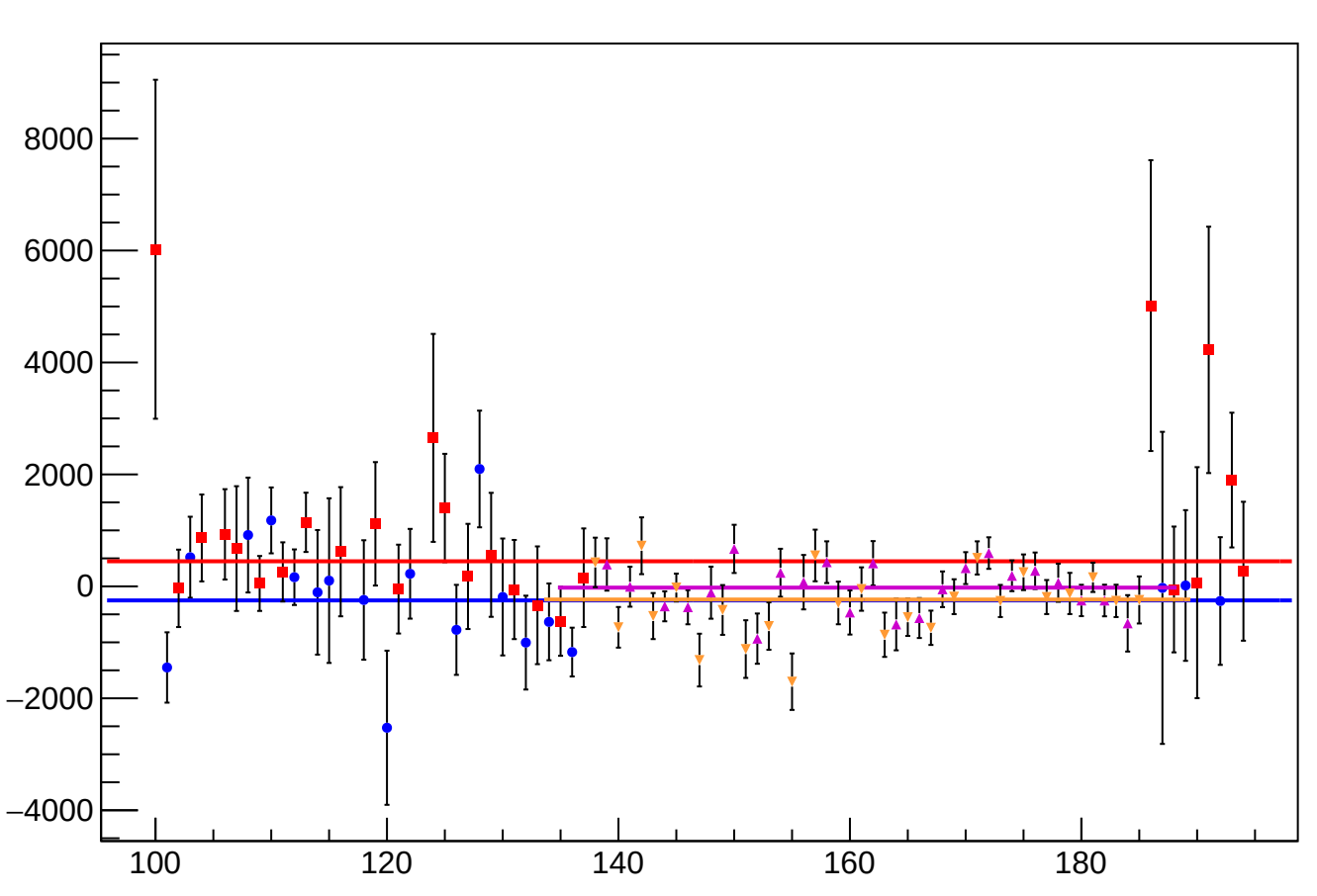
Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

Right: 502.765+/-0.086 χ^2/NDF: 5505837.0/43

In: 328.133+/-0.047 χ^2/NDF:5350125.6/41

Out: 330.997+/-0.045 χ^2/NDF:7766626.2/49

All: 329.612+/-0.033 χ^2/NDF: 13118669.7/91



Right In: -250.929+/-181.935 χ^2/NDF: 27.0/18

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: 448.106+/-174.632 χ^2/NDF: 22.1/24

Left In: -22.662+/-72.642 χ^2/NDF:29.9/22

Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

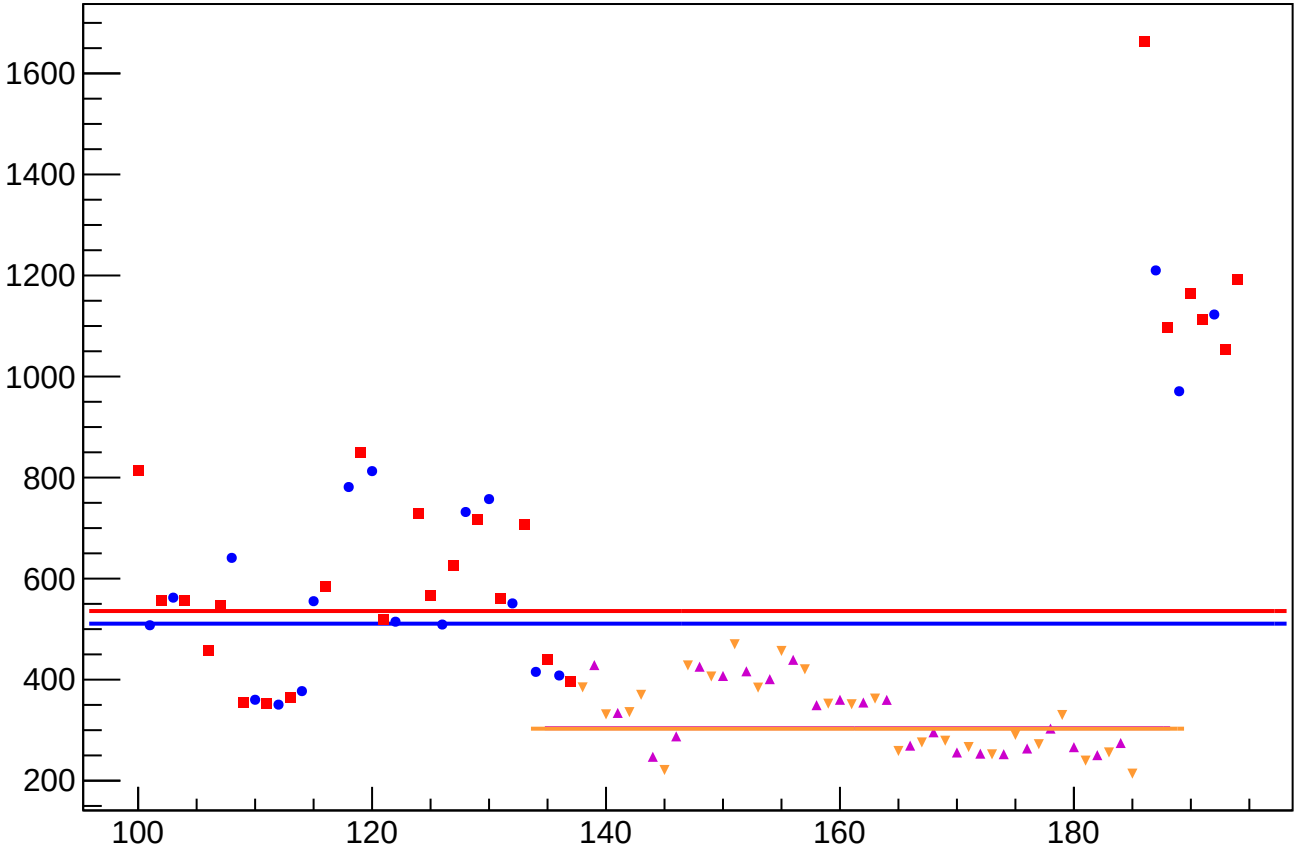
Right: 112.899+/-125.986 χ^2/NDF: 56.7/43

In: -54.049+/-67.463 χ^2/NDF:58.2/41

Out: -138.851+/-65.566 χ^2/NDF:82.7/49

All: -97.660+/-47.019 χ^2/NDF: 141.7/91

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 510.820+/-0.129 χ^2/NDF: 1927701.4/18

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

Right Out: 535.822+/-0.123 χ^2/NDF: 3305159.4/24

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

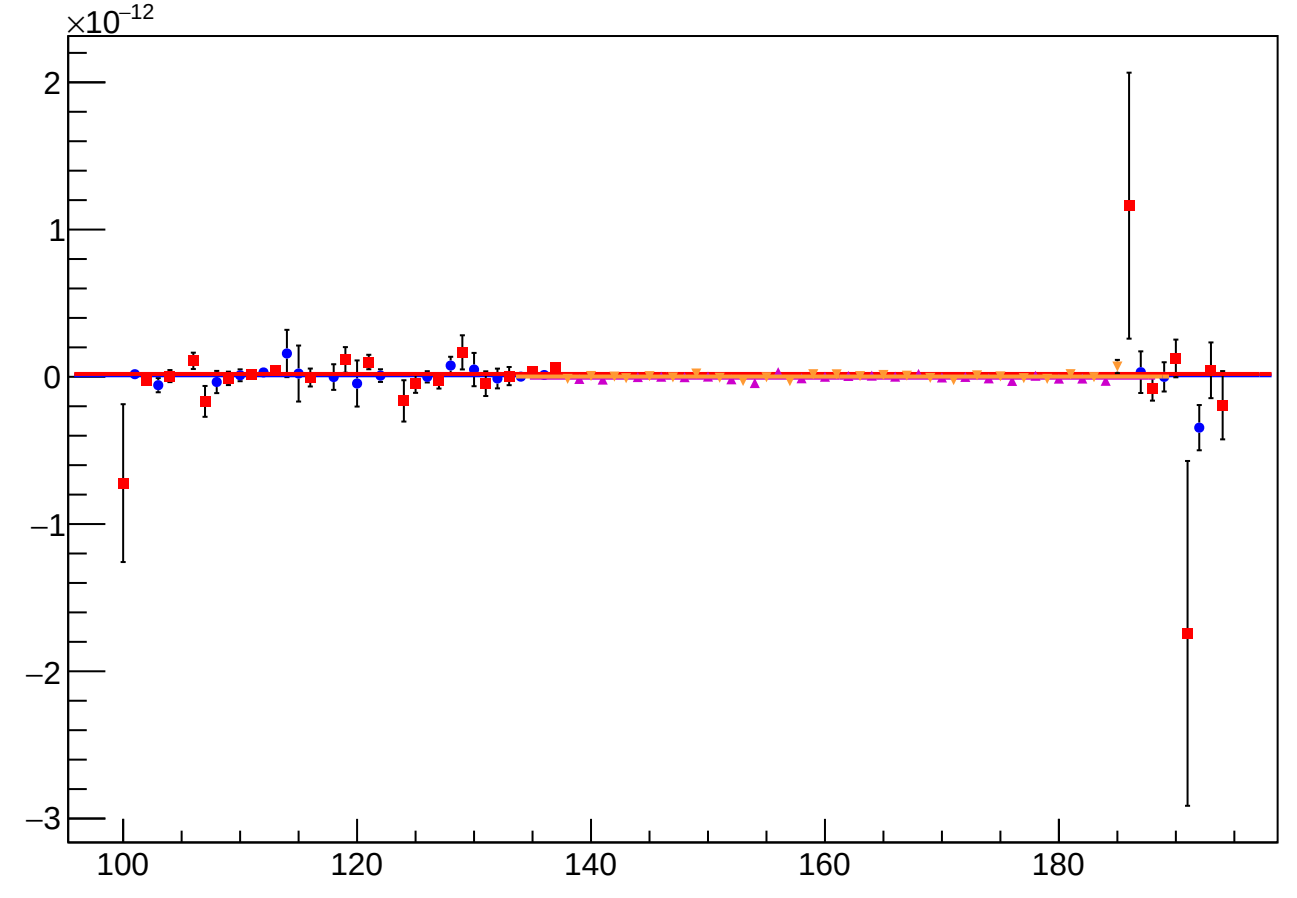
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 523.833+/-0.089 χ^2/NDF: 5252518.3/43

In: 332.372+/-0.048 χ^2/NDF:5534809.8/41

Out: 335.771+/-0.046 χ^2/NDF:8126493.8/49

All: 334.120+/-0.033 χ^2/NDF: 13663914.9/91



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/24

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

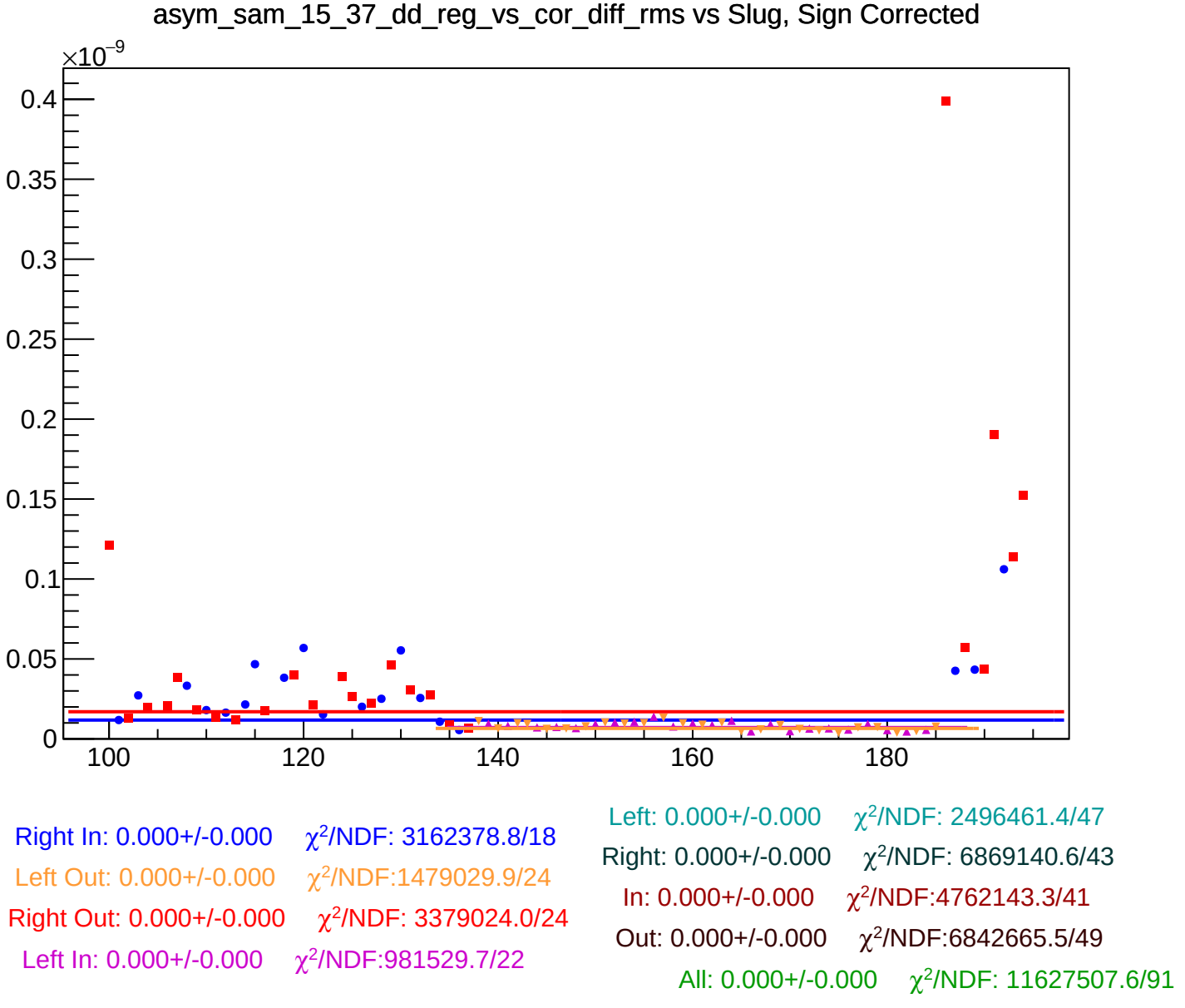
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

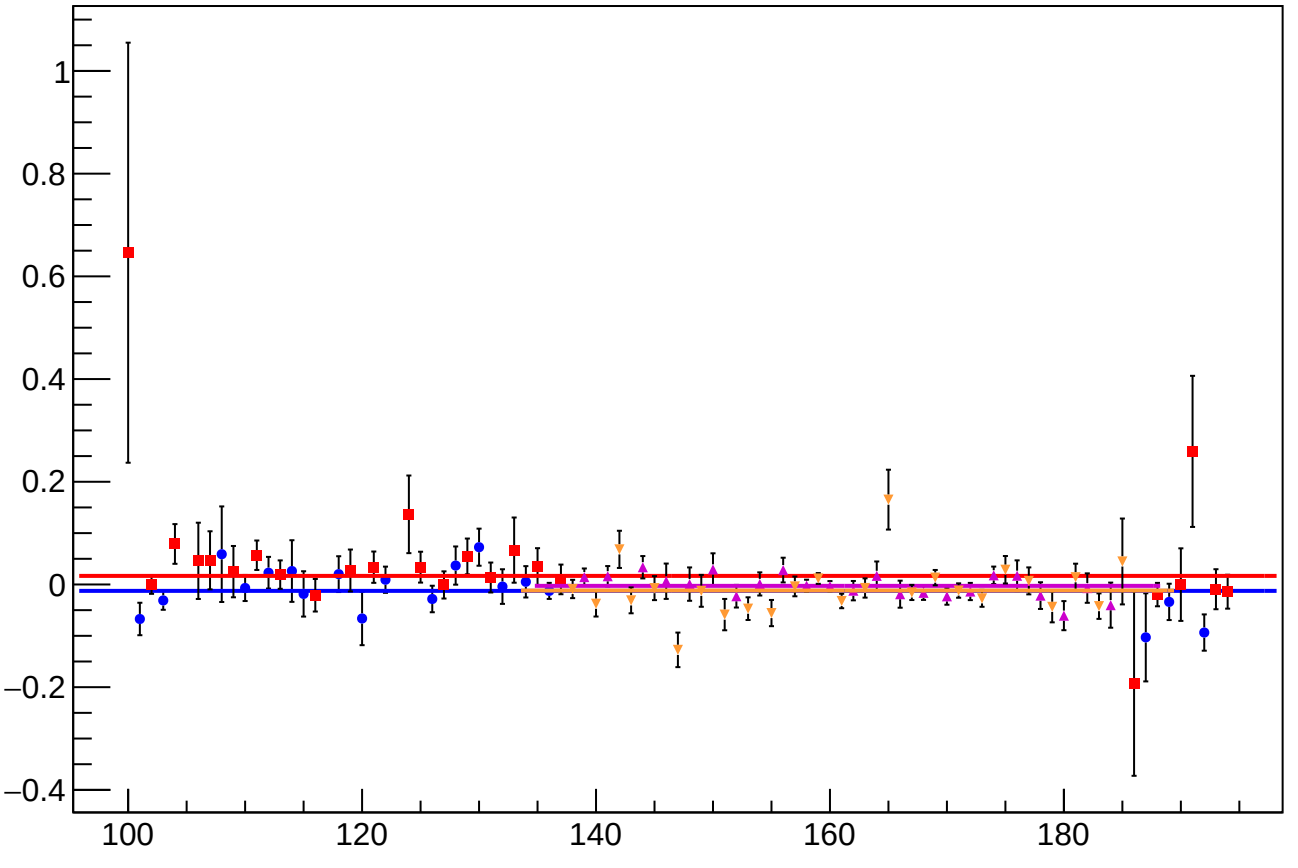
Right: 0.000+/-0.000 χ^2/NDF: 41.8/43

In: -0.000+/-0.000 χ^2/NDF:32.9/41

Out: 0.000+/-0.000 χ^2/NDF:56.2/49

All: -0.000+/-0.000 χ^2/NDF: 92.8/91


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
Right In: 0.000+/-0.000 χ²/NDF: 3162378.8/18
Left Out: 0.000+/-0.000 χ²/NDF:1479029.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 3379024.0/24
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: 6869140.6/43
In: 0.000+/-0.000 χ²/NDF:4762143.3/41
Out: 0.000+/-0.000 χ²/NDF:6842665.5/49
All: 0.000+/-0.000 χ²/NDF: 11627507.6/91



Right In: -0.012+/-0.007 χ^2/NDF: 23.9/18

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.017+/-0.007 χ^2/NDF: 23.4/24

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

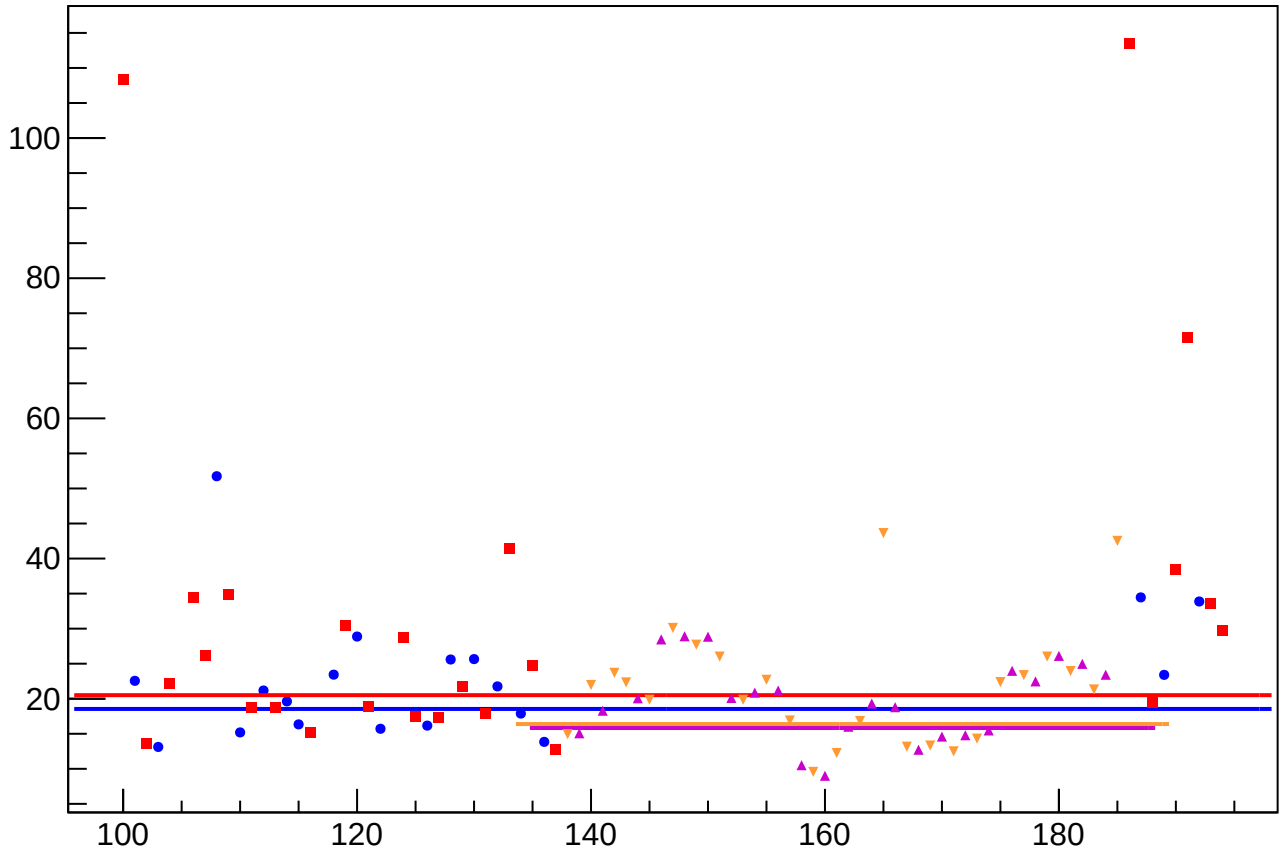
Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

Right: 0.002+/-0.005 χ^2/NDF: 56.2/43

In: -0.005+/-0.003 χ^2/NDF:45.2/41

Out: -0.005+/-0.004 χ^2/NDF:89.3/49

All: -0.005+/-0.002 χ^2/NDF: 134.5/91



Right In: 18.542+/-0.005 χ^2/NDF: 1511446.5/18

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 20.508+/-0.005 χ^2/NDF: 2607416.6/24

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

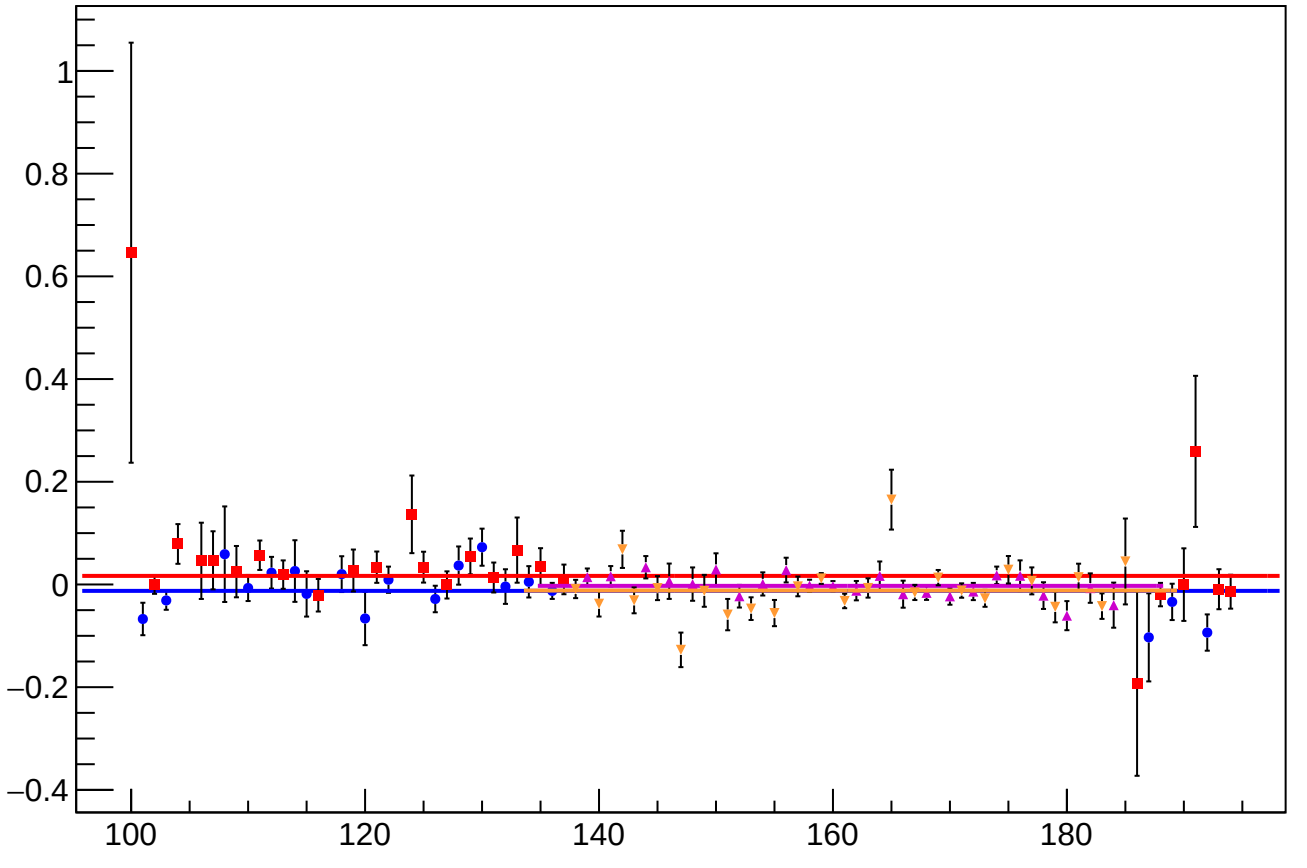
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 19.512+/-0.003 χ^2/NDF: 4199039.8/43

In: 16.518+/-0.002 χ^2/NDF:5397220.3/41

Out: 17.429+/-0.002 χ^2/NDF:7156580.9/49

All: 16.970+/-0.002 χ^2/NDF: 12621514.3/91



Right In: -0.012+/-0.007 χ^2/NDF: 23.9/18

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.017+/-0.007 χ^2/NDF: 23.4/24

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

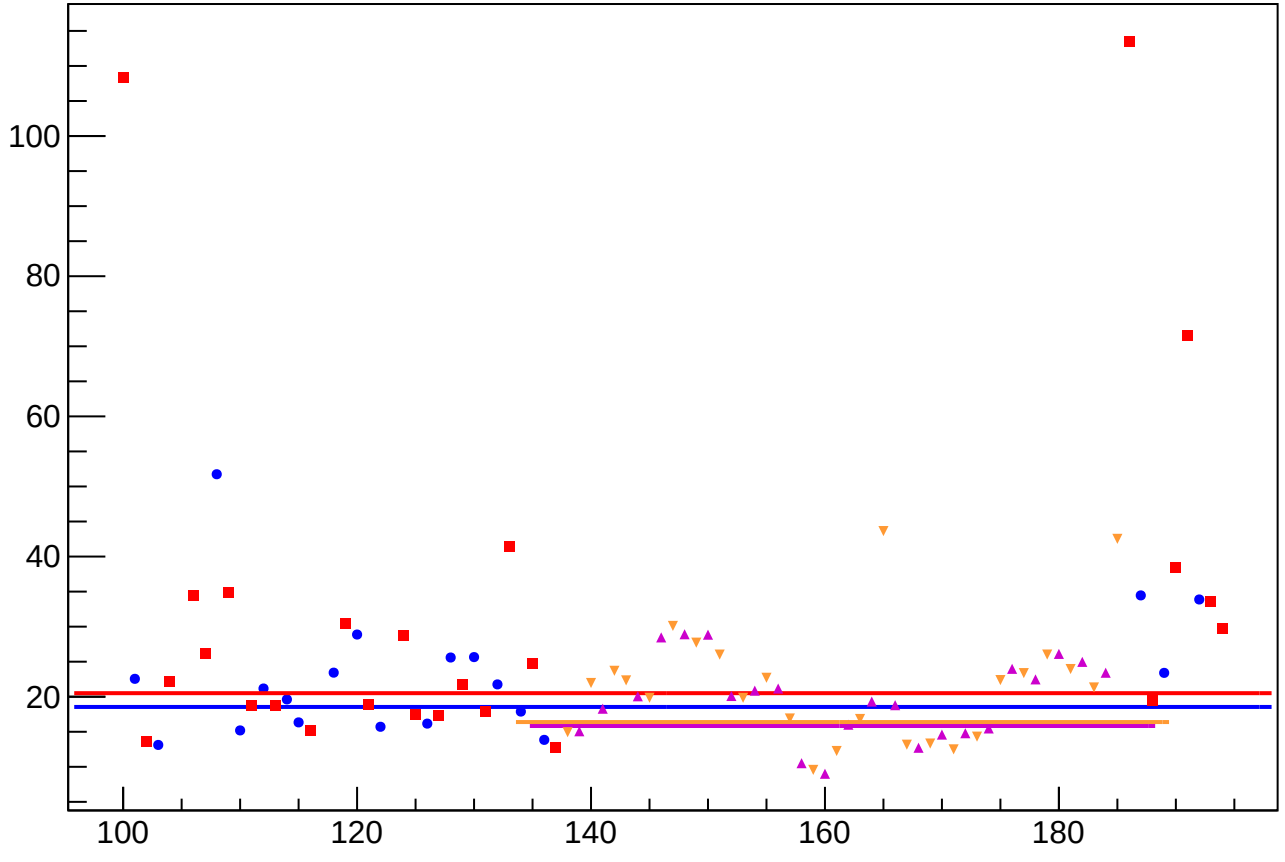
Right: 0.002+/-0.005 χ^2/NDF: 56.2/43

In: -0.005+/-0.003 χ^2/NDF:45.2/41

Out: -0.005+/-0.004 χ^2/NDF:89.3/49

All: -0.005+/-0.002 χ^2/NDF: 134.5/91

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.542+/-0.005 χ^2/NDF: 1511446.5/18

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 20.508+/-0.005 χ^2/NDF: 2607416.6/24

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

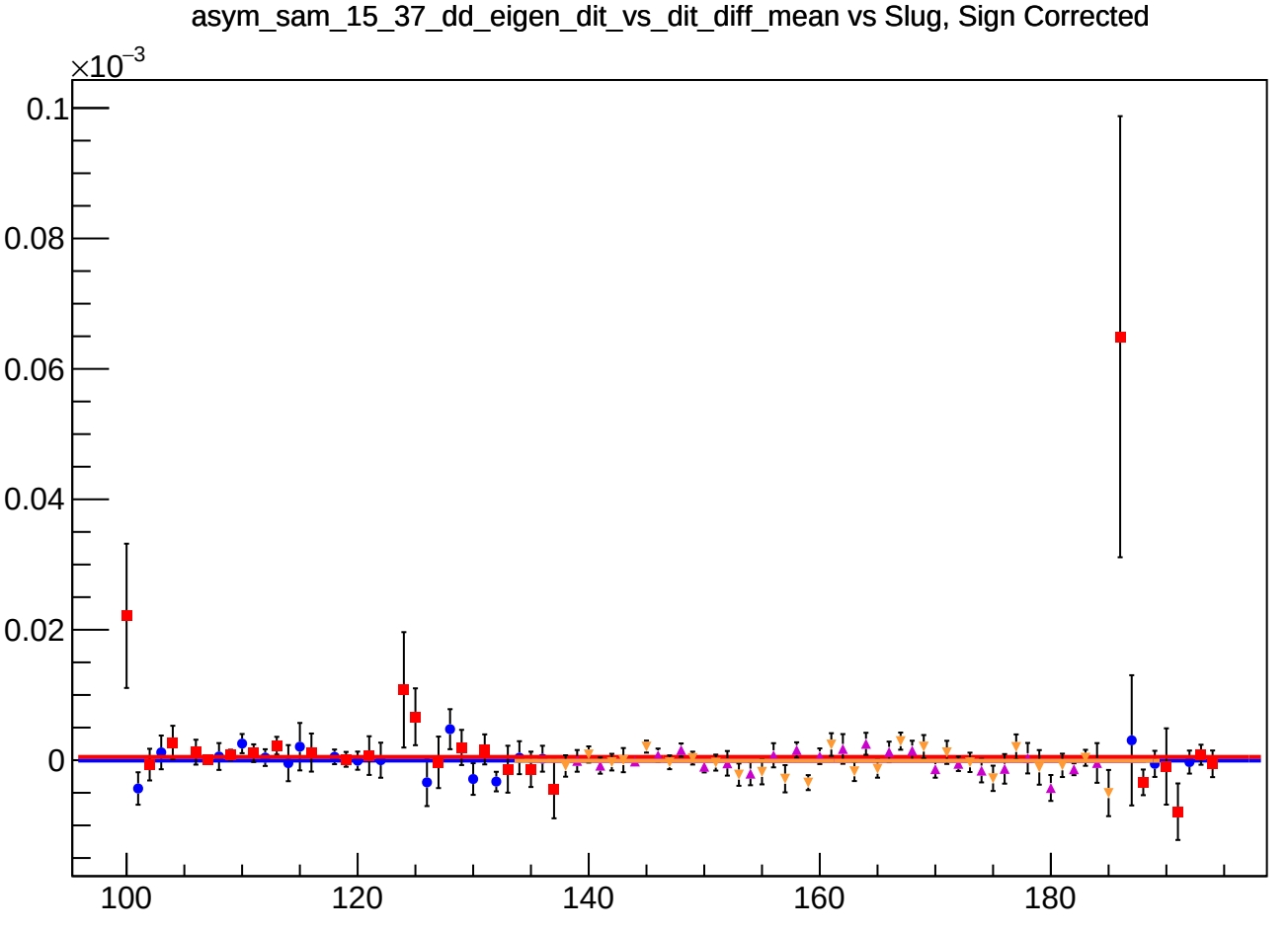
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 19.512+/-0.003 χ^2/NDF: 4199039.8/43

In: 16.518+/-0.002 χ^2/NDF:5397220.3/41

Out: 17.429+/-0.002 χ^2/NDF:7156580.9/49

All: 16.970+/-0.002 χ^2/NDF: 12621514.3/91



Right In: -0.000+/-0.000 χ^2/NDF: 16.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/24

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

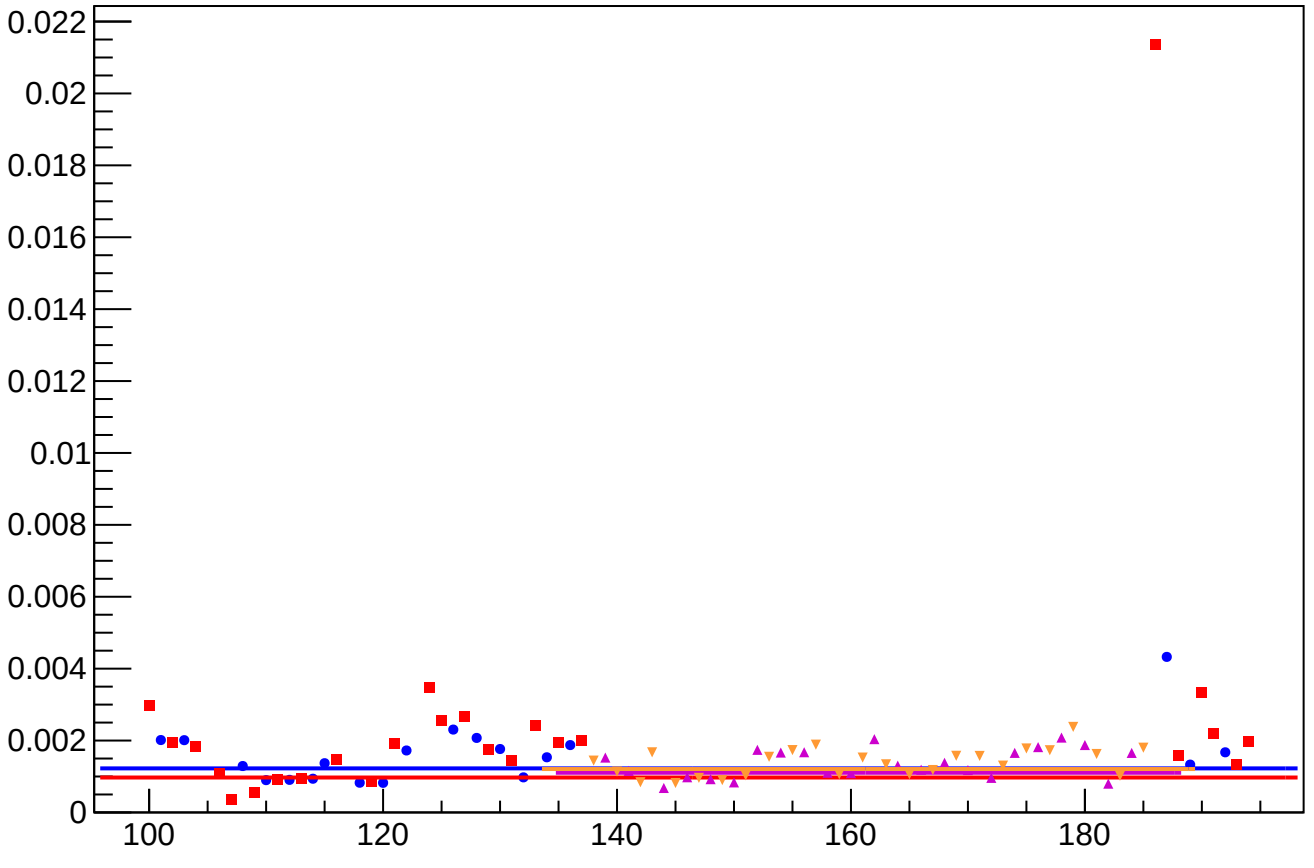
Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

Right: 0.000+/-0.000 χ^2/NDF: 42.6/43

In: -0.000+/-0.000 χ^2/NDF:38.6/41

Out: 0.000+/-0.000 χ^2/NDF:62.7/49

All: 0.000+/-0.000 χ^2/NDF: 101.9/91



Right In: 0.001+/-0.000 χ^2/NDF: 2173107.0/18

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6571782.9/24

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

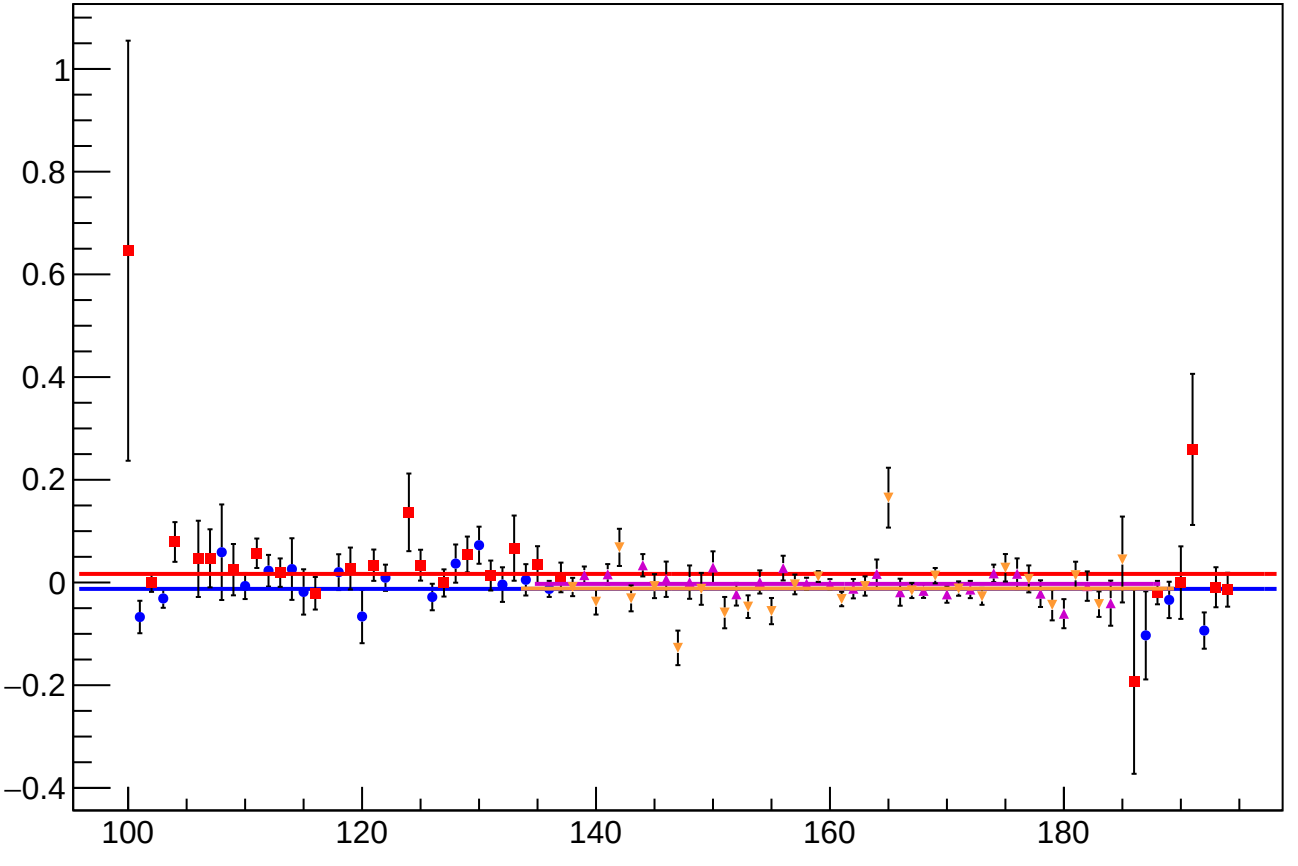
Right: 0.001+/-0.000 χ^2/NDF: 9142626.3/43

In: 0.001+/-0.000 χ^2/NDF:5777235.6/41

Out: 0.001+/-0.000 χ^2/NDF:9822925.7/49

All: 0.001+/-0.000 χ^2/NDF: 15610390.9/91

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.007 χ^2/NDF: 23.9/18

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.017+/-0.007 χ^2/NDF: 23.4/24

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

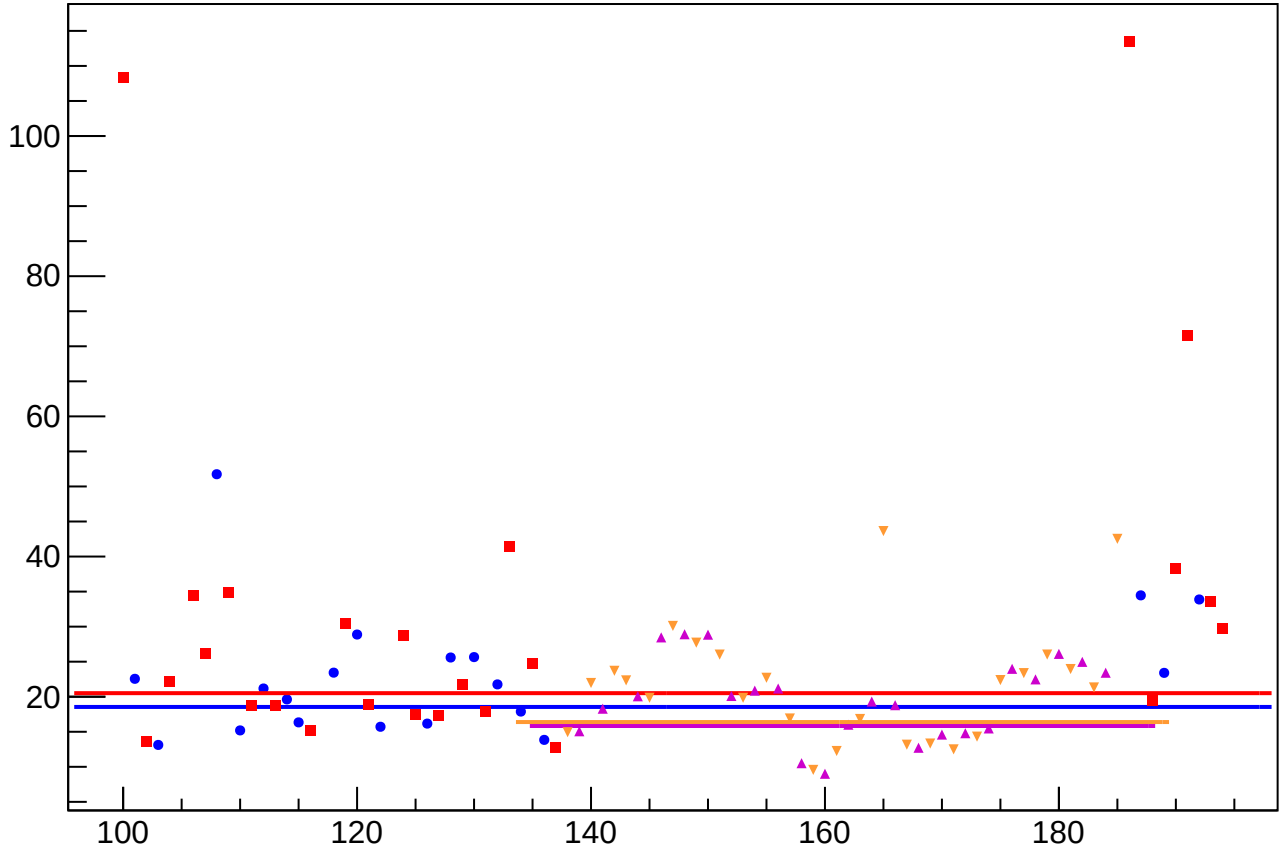
Right: 0.002+/-0.005 χ^2/NDF: 56.2/43

In: -0.005+/-0.003 χ^2/NDF:45.2/41

Out: -0.005+/-0.004 χ^2/NDF:89.3/49

All: -0.005+/-0.002 χ^2/NDF: 134.5/91

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.542+/-0.005 χ^2/NDF: 1511495.4/18

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 20.509+/-0.005 χ^2/NDF: 2607244.1/24

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

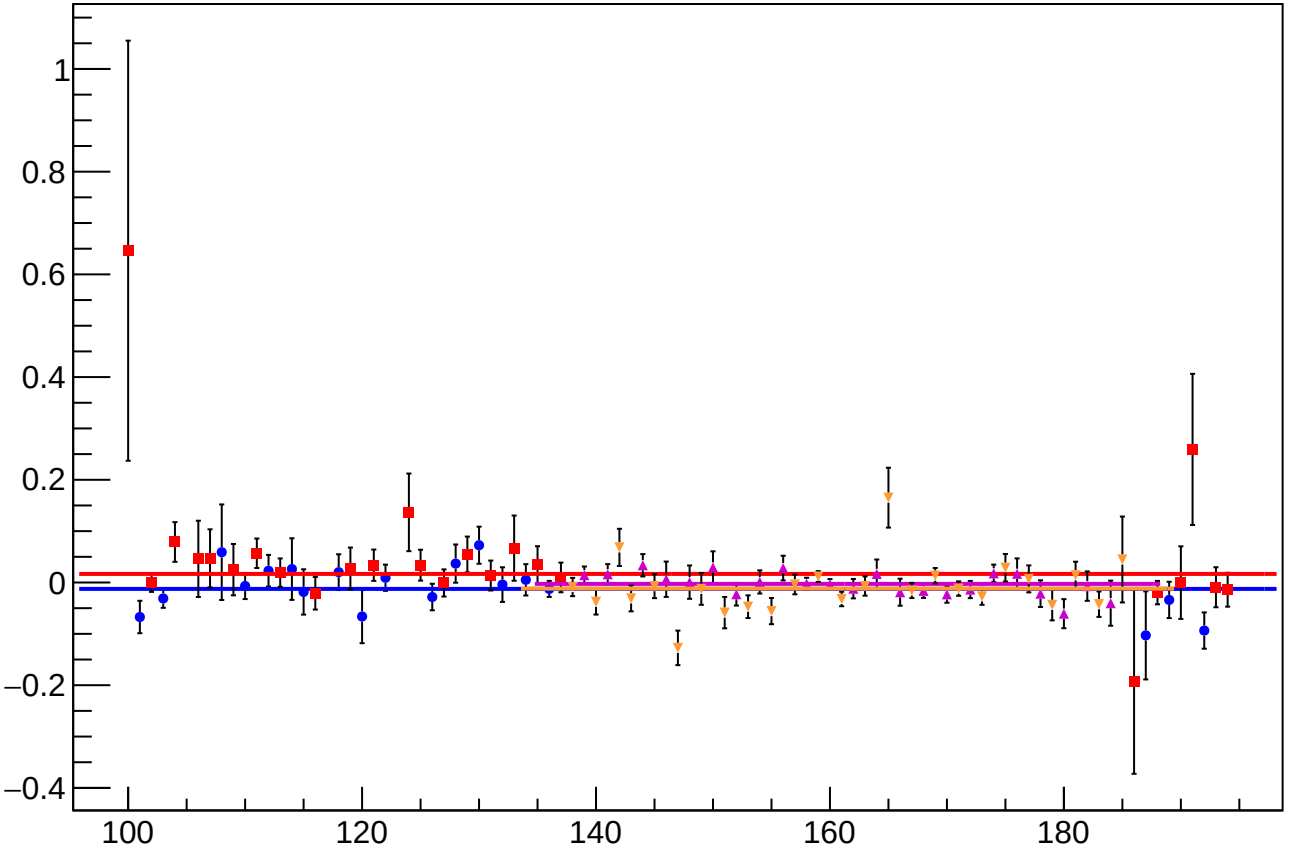
Right: 19.512+/-0.003 χ^2/NDF: 4198950.0/43

In: 16.518+/-0.002 χ^2/NDF:5397689.9/41

Out: 17.429+/-0.002 χ^2/NDF:7156825.6/49

All: 16.970+/-0.002 χ^2/NDF: 12622247.7/91

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.007 χ^2/NDF: 23.9/18

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.017+/-0.007 χ^2/NDF: 23.4/24

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

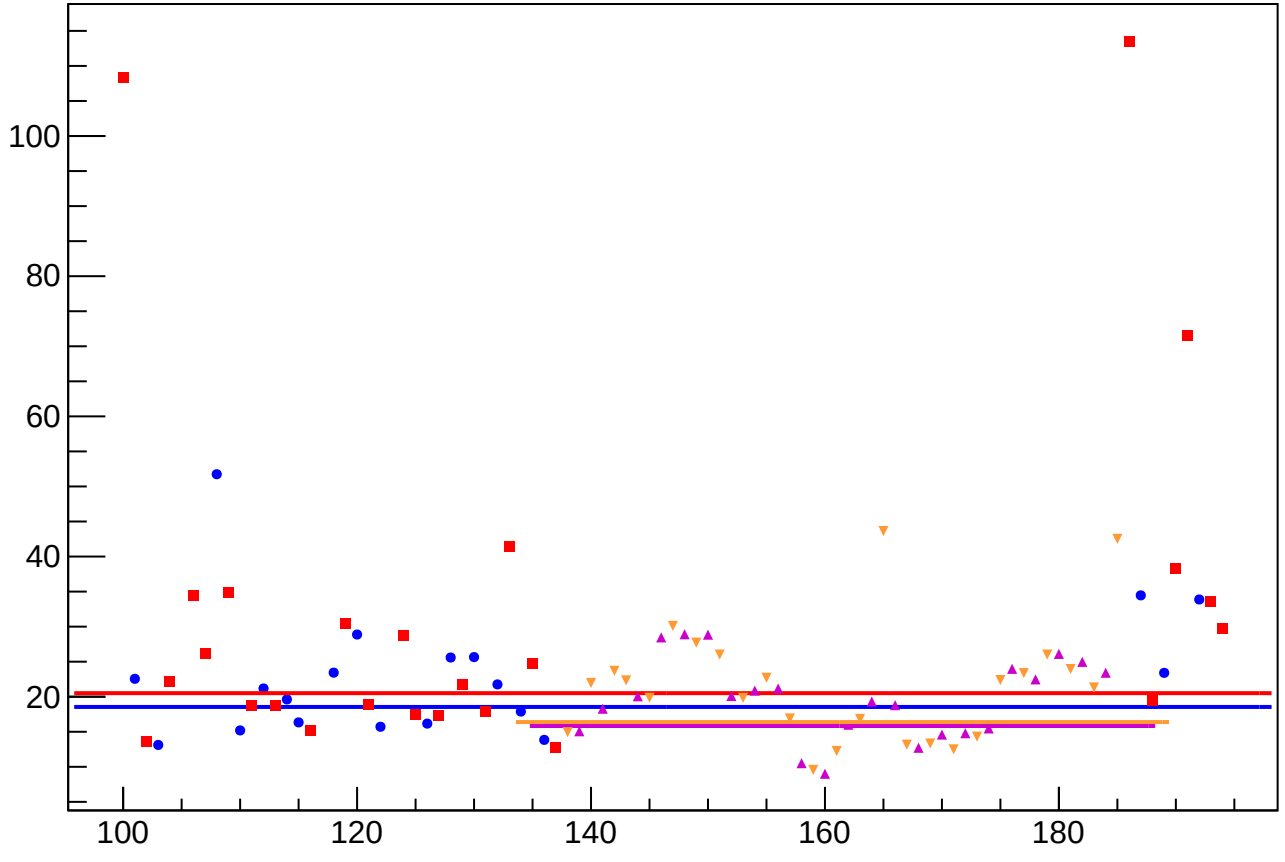
Right: 0.002+/-0.005 χ^2/NDF: 56.2/43

In: -0.005+/-0.003 χ^2/NDF:45.2/41

Out: -0.005+/-0.004 χ^2/NDF:89.3/49

All: -0.005+/-0.002 χ^2/NDF: 134.5/91

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.542+/-0.005 χ^2/NDF: 1511495.4/18

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 20.509+/-0.005 χ^2/NDF: 2607244.1/24

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

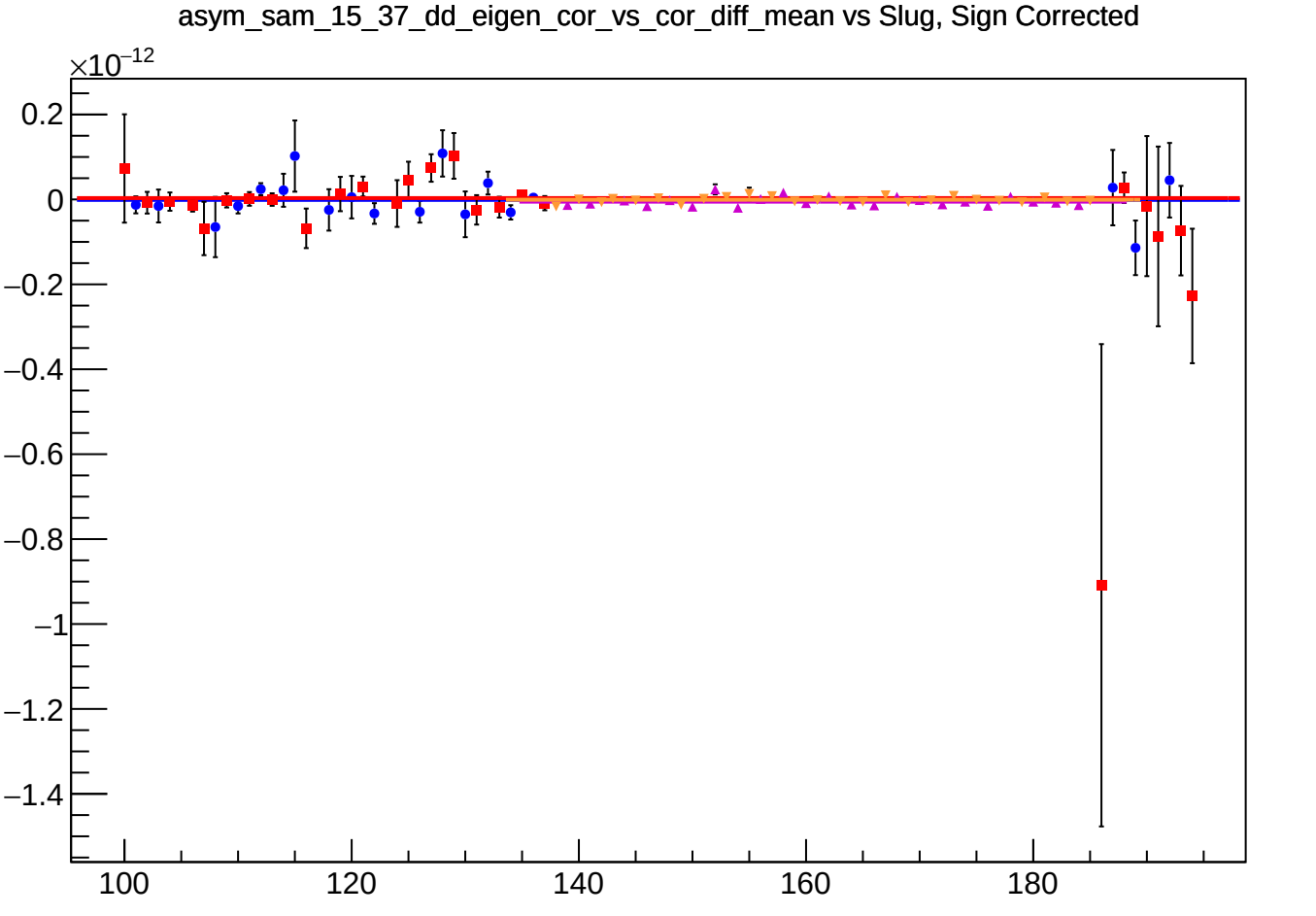
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 19.512+/-0.003 χ^2/NDF: 4198950.0/43

In: 16.518+/-0.002 χ^2/NDF:5397689.9/41

Out: 17.429+/-0.002 χ^2/NDF:7156825.6/49

All: 16.970+/-0.002 χ^2/NDF: 12622247.7/91



Right In: -0.000+/-0.000 χ^2/NDF: 23.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/24

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

Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

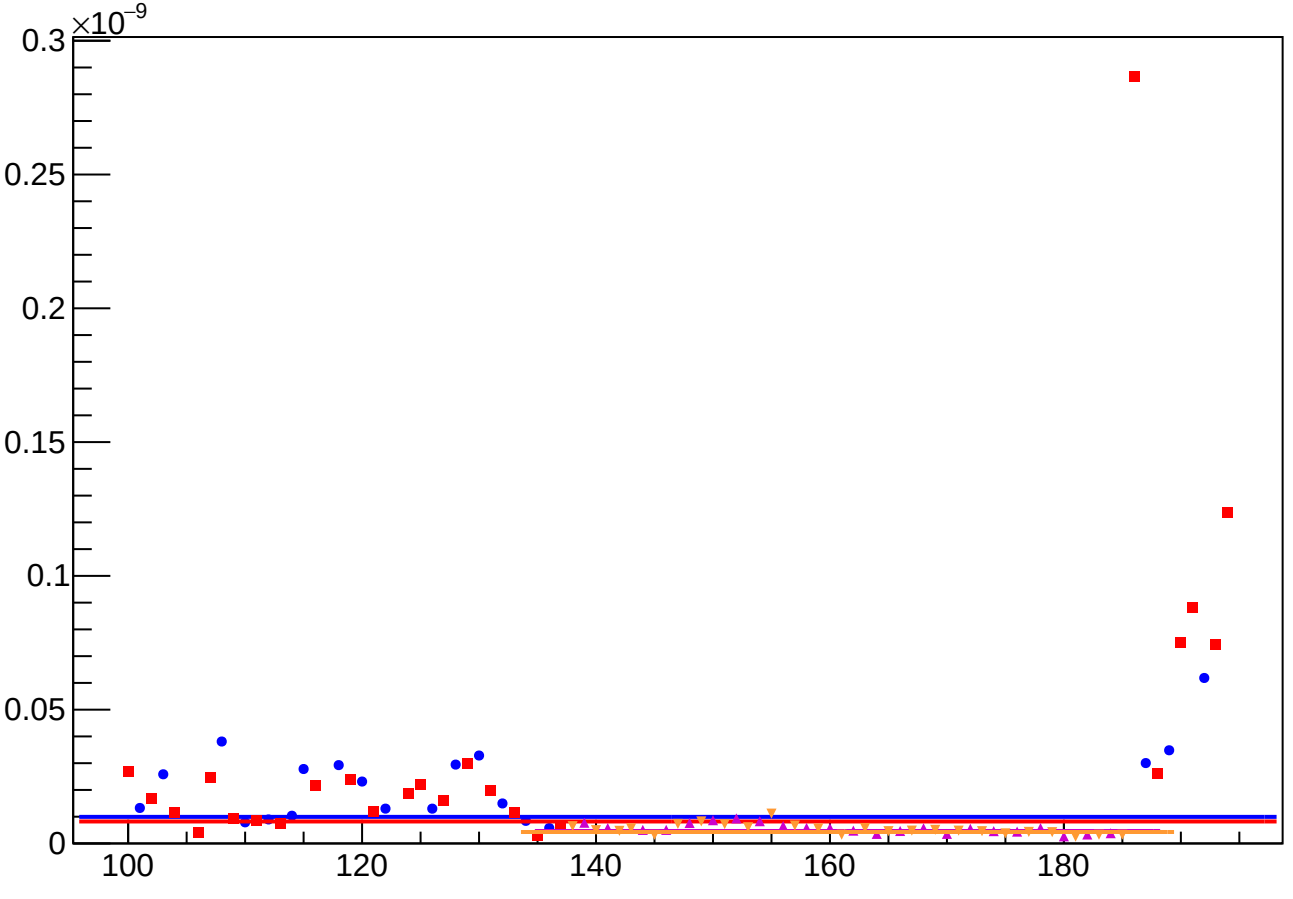
Right: 0.000+/-0.000 χ^2/NDF: 49.2/43

In: -0.000+/-0.000 χ^2/NDF:62.3/41

Out: -0.000+/-0.000 χ^2/NDF:44.9/49

All: -0.000+/-0.000 χ^2/NDF: 113.6/91

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3745770.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6557885.4/24

Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

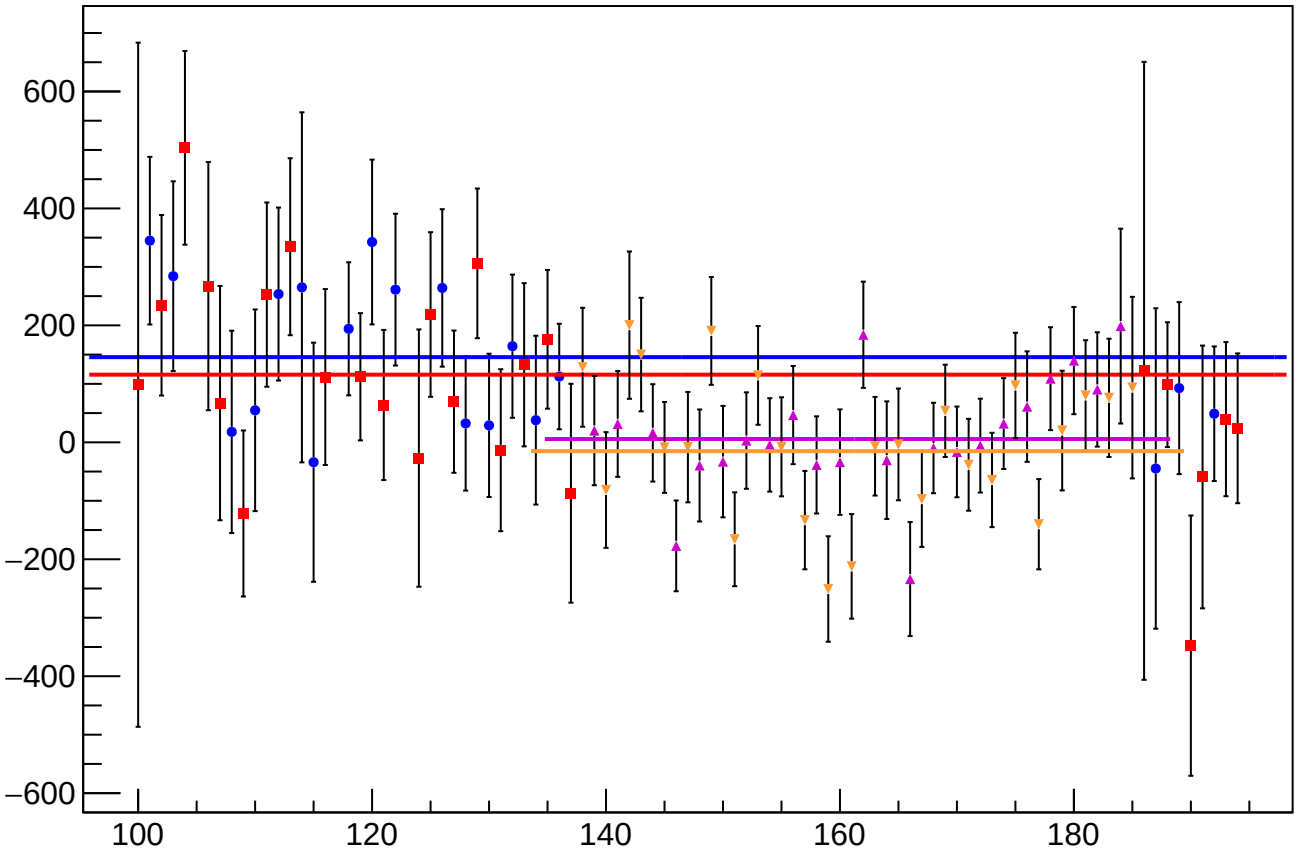
Left: 0.000+/-0.000 χ^2/NDF: 5171958.0/47

Right: 0.000+/-0.000 χ^2/NDF: 10434998.8/43

In: 0.000+/-0.000 χ^2/NDF:8299196.0/41

Out: 0.000+/-0.000 χ^2/NDF:10590963.4/49

All: 0.000+/-0.000 χ^2/NDF: 19012591.5/91



Right In: 145.670+/-31.758 χ^2/NDF: 12.6/18

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: 115.709+/-30.094 χ^2/NDF: 23.9/24

Left In: 5.629+/-18.382 χ^2/NDF:23.0/22

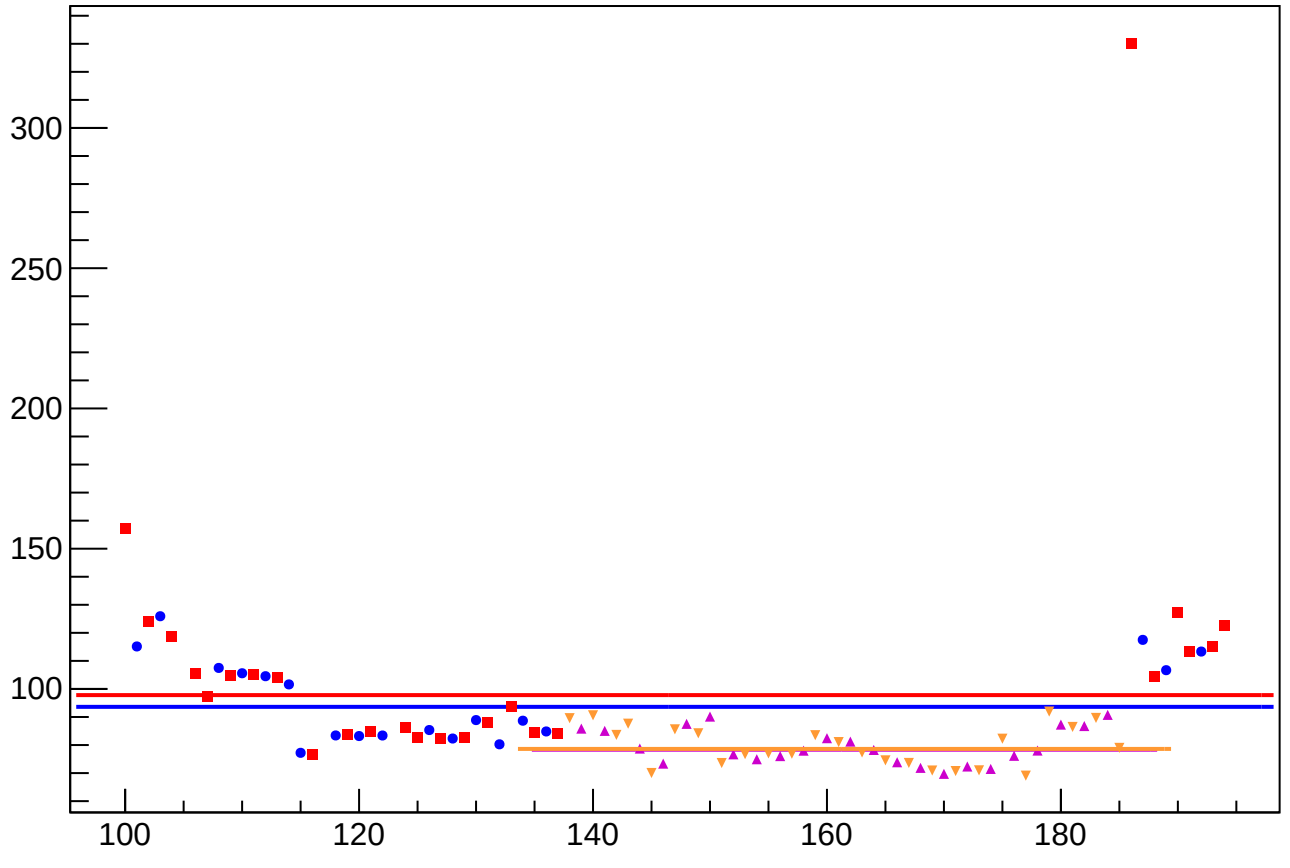
Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

Right: 129.884+/-21.844 χ^2/NDF: 36.9/43

In: 40.772+/-15.909 χ^2/NDF:50.1/41

Out: 19.246+/-15.420 χ^2/NDF:79.5/49

All: 29.673+/-11.073 χ^2/NDF: 130.6/91



Right In: 93.616+/-0.022 χ^2/NDF: 375980.0/18

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 97.802+/-0.021 χ^2/NDF: 905927.5/24

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

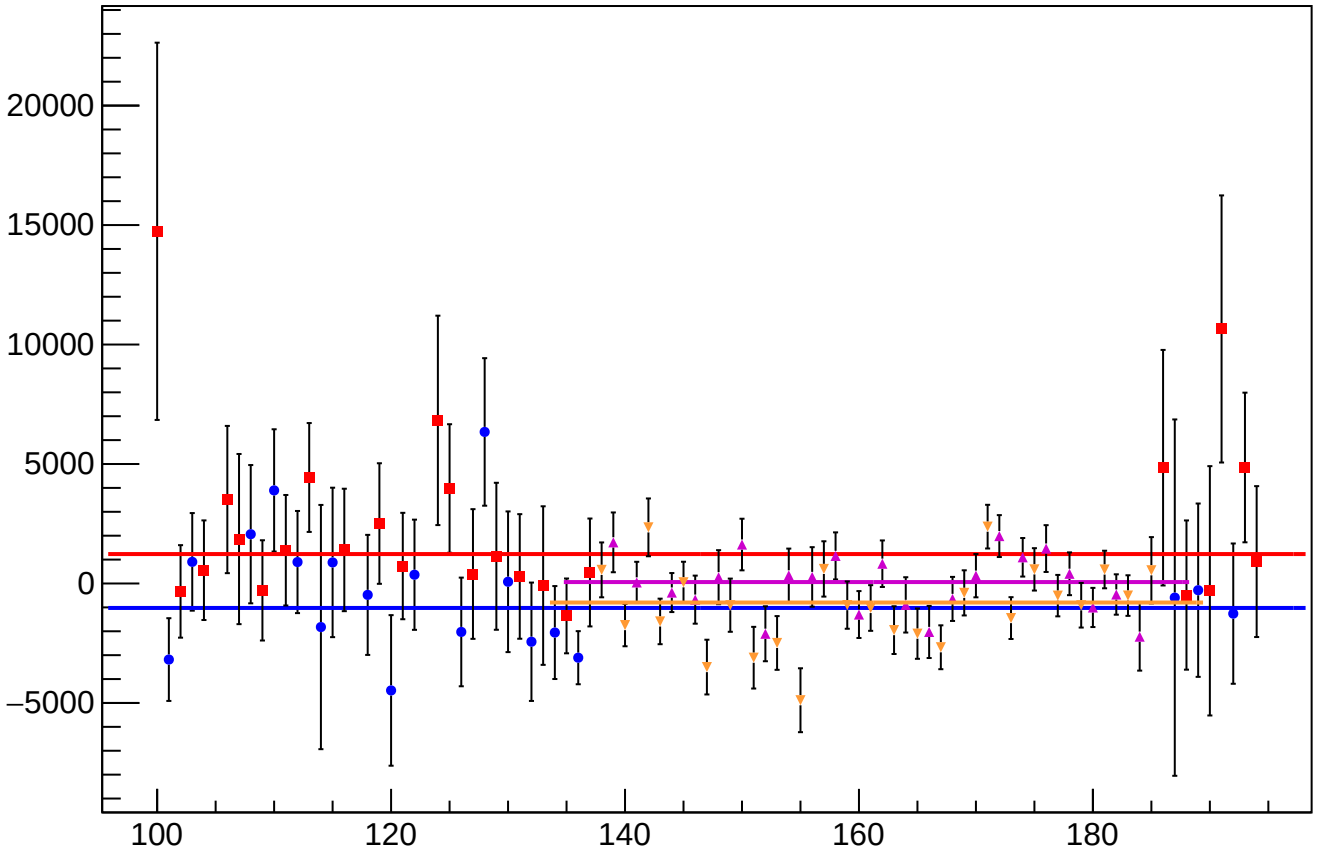
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 95.822+/-0.015 χ^2/NDF: 1300216.4/43

In: 82.169+/-0.011 χ^2/NDF:932014.8/41

Out: 83.655+/-0.011 χ^2/NDF:1812513.6/49

All: 82.935+/-0.008 χ^2/NDF: 2753525.1/91



Right In: -1023.926+/-533.507 χ^2/NDF: 20.3/18

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1231.431+/-534.206 χ^2/NDF: 18.1/24

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

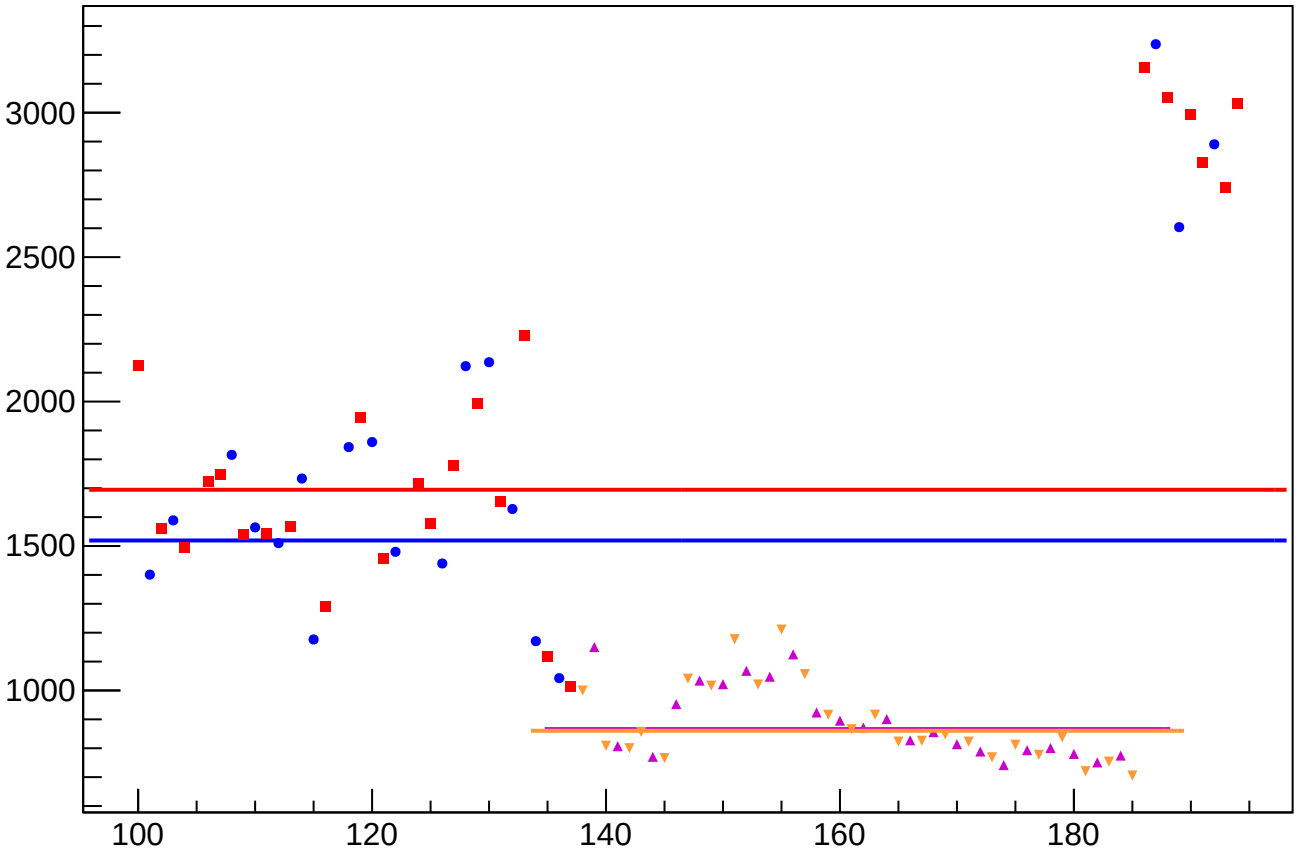
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: 102.277+/-377.493 χ^2/NDF: 47.3/43

In: -79.224+/-190.901 χ^2/NDF:54.4/41

Out: -552.251+/-185.562 χ^2/NDF:90.2/49

All: -322.445+/-133.060 χ^2/NDF: 147.8/91



Right In: 1519.214+/-0.377 χ^2/NDF: 1441980.8/18

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1694.687+/-0.378 χ^2/NDF: 2025687.5/24

Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

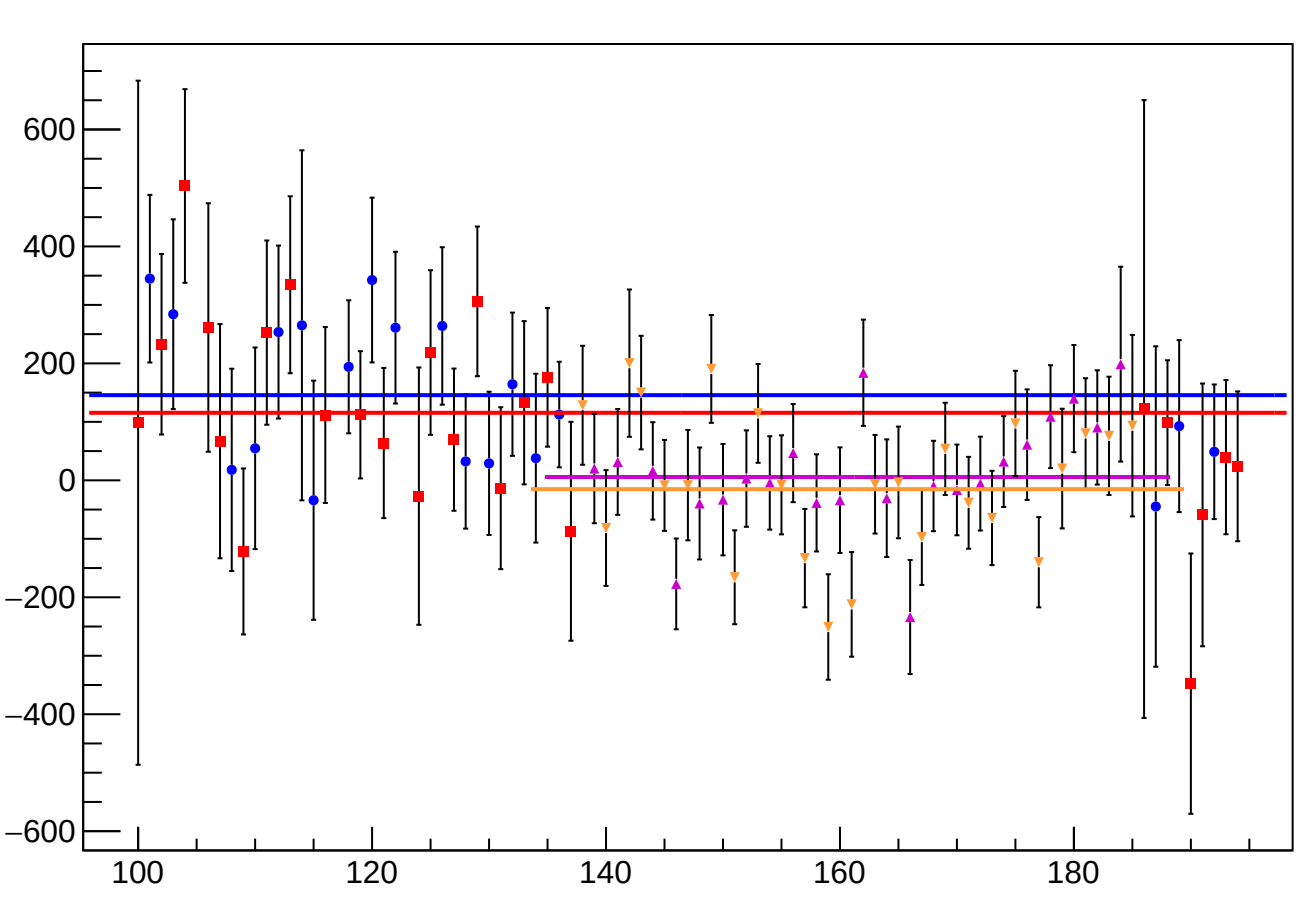
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1606.836+/-0.267 χ^2/NDF: 3575705.0/43

In: 949.942+/-0.135 χ^2/NDF:4666744.9/41

Out: 961.146+/-0.131 χ^2/NDF:7013436.8/49

All: 955.703+/-0.094 χ^2/NDF: 11683723.6/91



Right In: 145.666+/-31.758 χ^2/NDF: 12.6/18

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 115.509+/-30.095 χ^2/NDF: 23.8/24

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

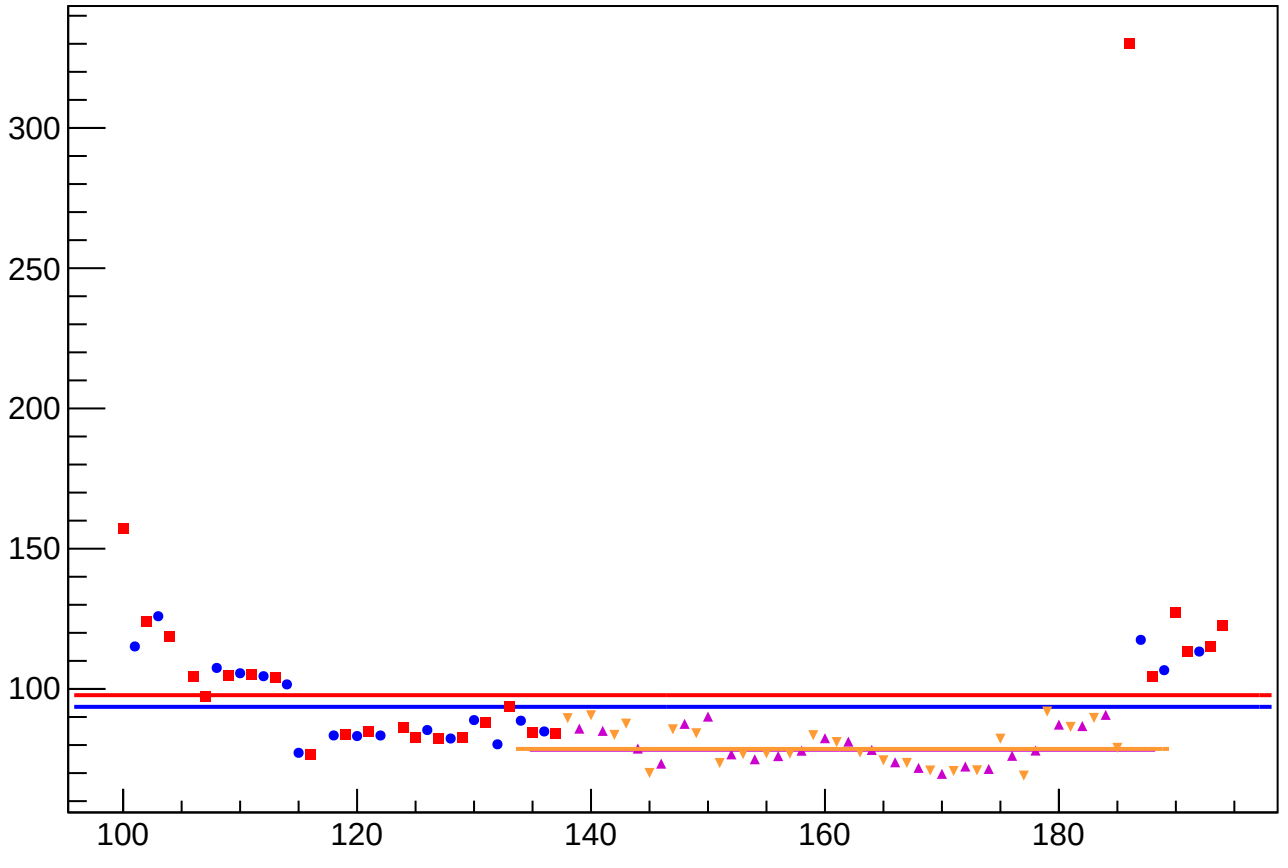
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 129.777+/-21.845 χ^2/NDF: 36.9/43

In: 40.768+/-15.909 χ^2/NDF:50.1/41

Out: 19.192+/-15.421 χ^2/NDF:79.4/49

All: 29.644+/-11.073 χ^2/NDF: 130.4/91



Right In: 93.616+/-0.022 χ^2/NDF: 375981.7/18

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 97.777+/-0.021 χ^2/NDF: 905296.4/24

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

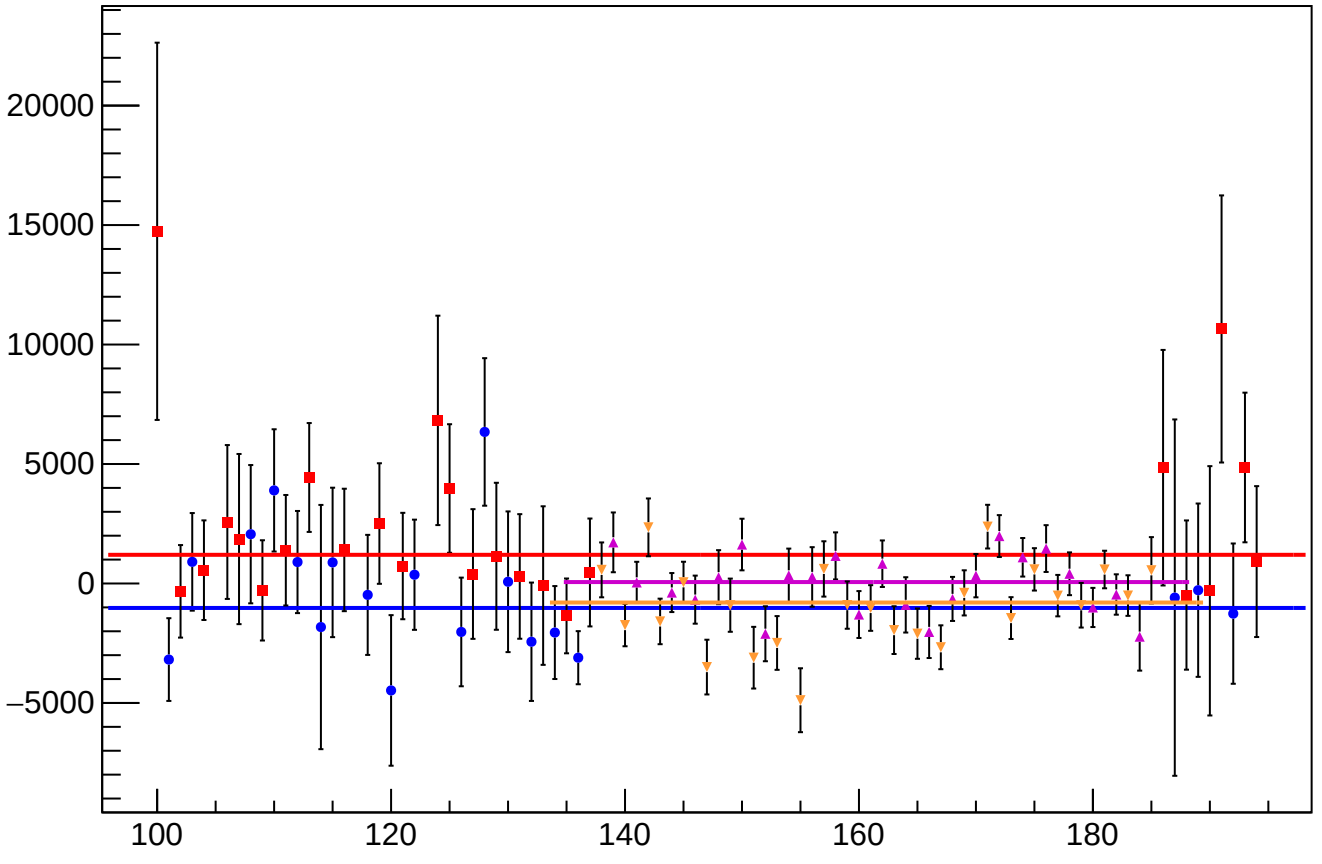
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 95.809+/-0.015 χ^2/NDF: 1299367.8/43

In: 82.169+/-0.011 χ^2/NDF:932016.8/41

Out: 83.648+/-0.011 χ^2/NDF:1810276.1/49

All: 82.932+/-0.008 χ^2/NDF: 2751205.7/91



Right In: -1023.903+/-533.509 χ^2/NDF: 20.3/18

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1200.055+/-534.899 χ^2/NDF: 17.7/24

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

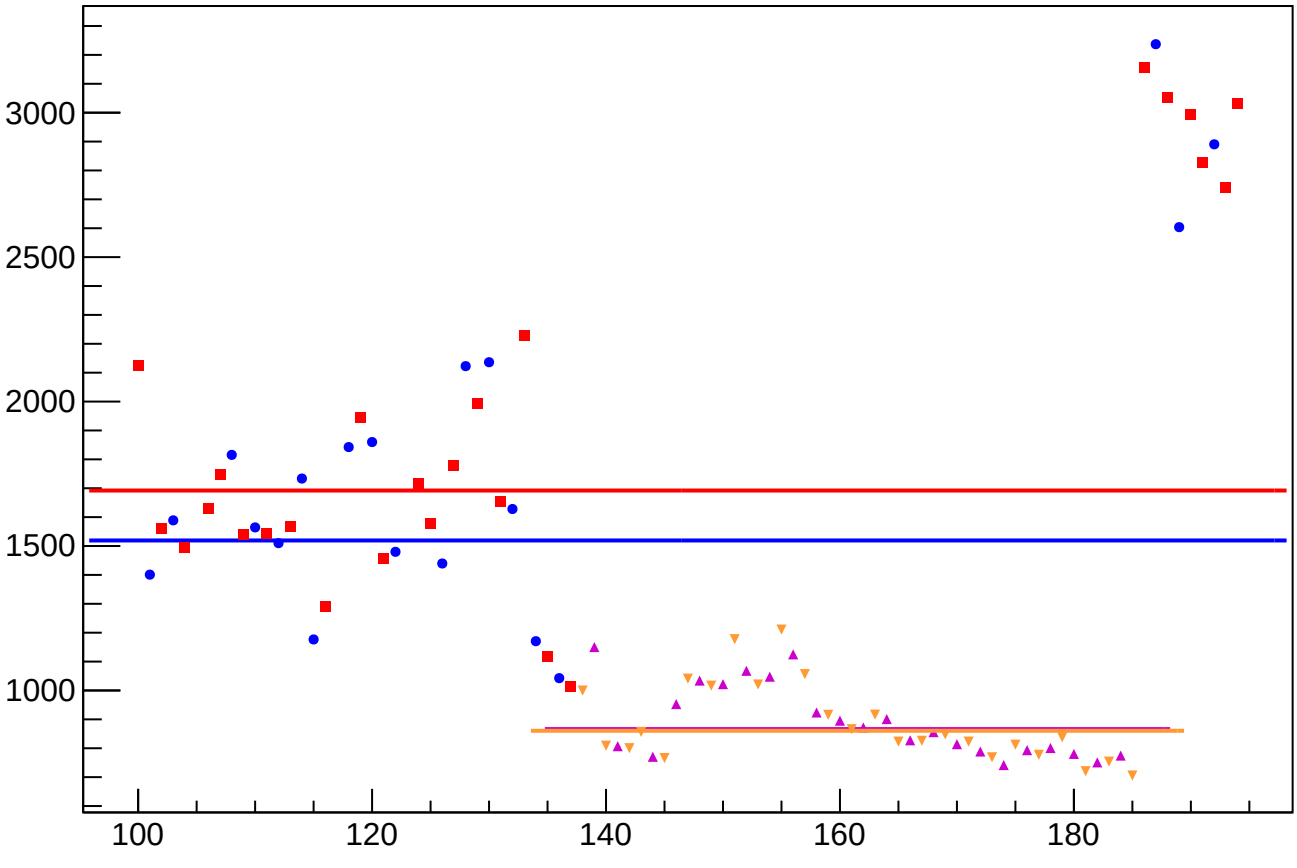
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: 85.181+/-377.738 χ^2/NDF: 46.7/43

In: -79.220+/-190.901 χ^2/NDF:54.4/41

Out: -556.586+/-185.591 χ^2/NDF:89.4/49

All: -324.634+/-133.070 χ^2/NDF: 147.0/91



Right In: 1519.218+/-0.377 χ^2/NDF: 1441985.4/18

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1692.079+/-0.378 χ^2/NDF: 2026224.5/24

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

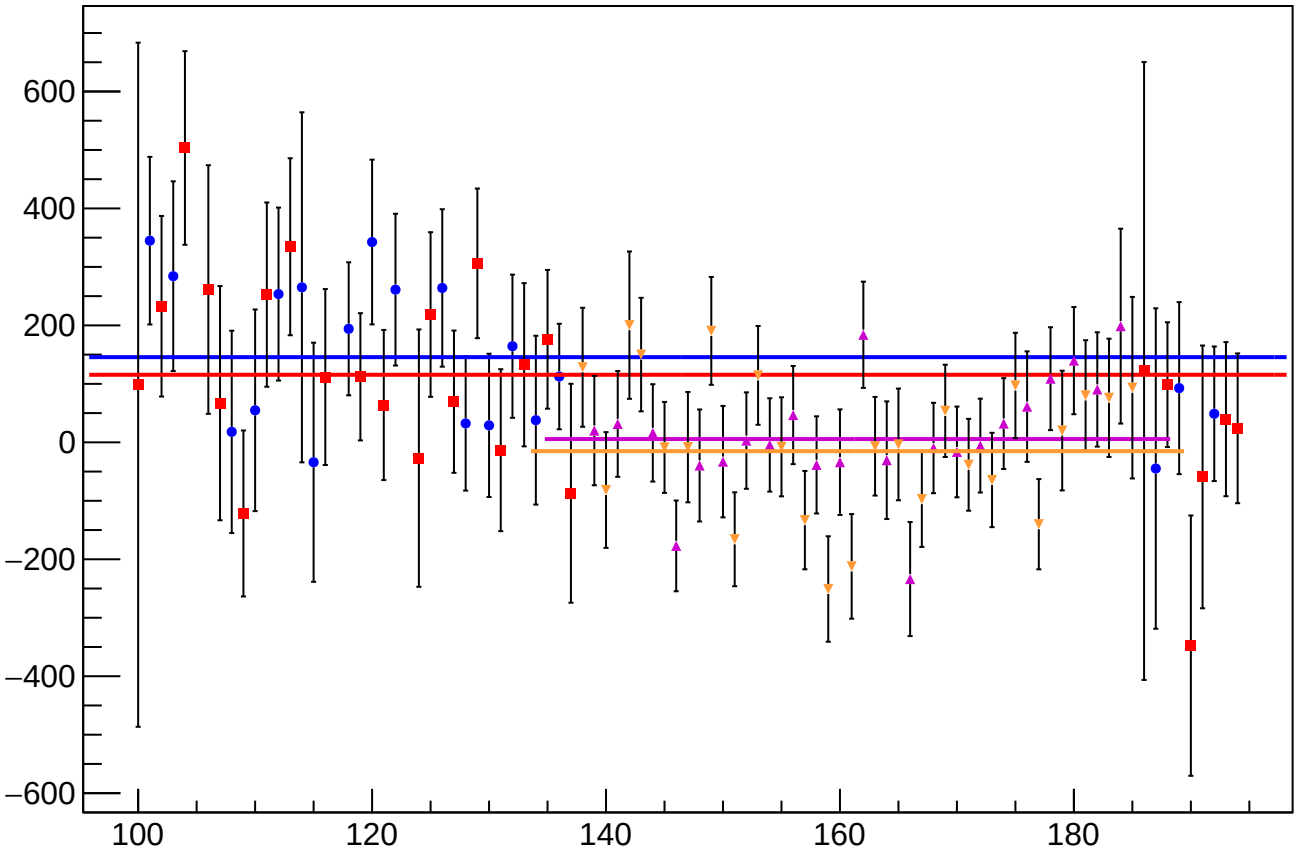
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1605.423+/-0.267 χ^2/NDF: 3572918.4/43

In: 949.943+/-0.135 χ^2/NDF:4666762.8/41

Out: 960.602+/-0.131 χ^2/NDF:6977488.4/49

All: 955.423+/-0.094 χ^2/NDF: 11647457.1/91



Right In: 145.666+/-31.758 χ^2/NDF: 12.6/18

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 115.509+/-30.095 χ^2/NDF: 23.8/24

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

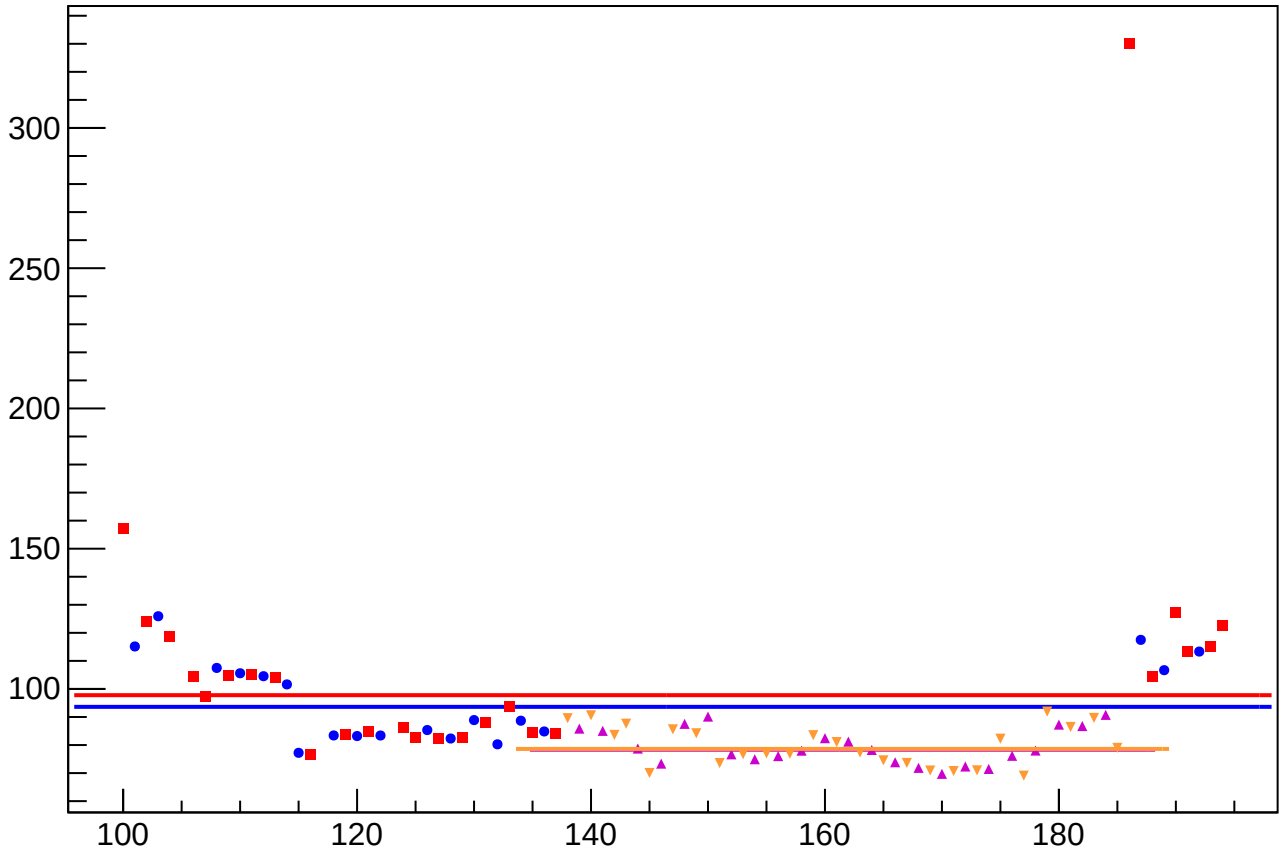
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 129.777+/-21.845 χ^2/NDF: 36.9/43

In: 40.768+/-15.909 χ^2/NDF:50.1/41

Out: 19.192+/-15.421 χ^2/NDF:79.4/49

All: 29.644+/-11.073 χ^2/NDF: 130.4/91



Right In: 93.616+/-0.022 χ^2/NDF: 375981.7/18

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 97.777+/-0.021 χ^2/NDF: 905296.4/24

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

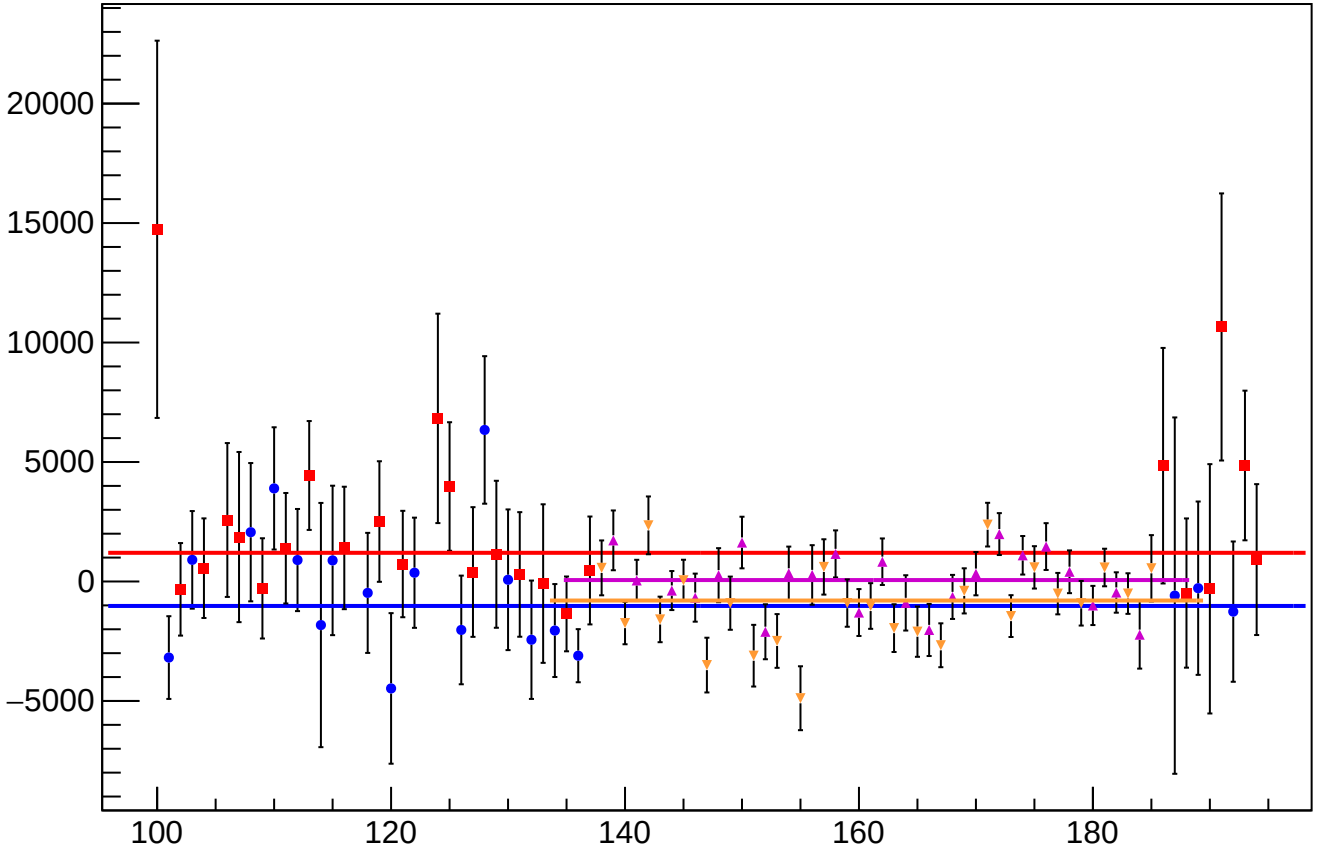
Right: 95.809+/-0.015 χ^2/NDF: 1299367.8/43

In: 82.169+/-0.011 χ^2/NDF:932016.8/41

Out: 83.648+/-0.011 χ^2/NDF:1810276.1/49

All: 82.932+/-0.008 χ^2/NDF: 2751205.7/91

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1023.903+/-533.509 χ^2/NDF: 20.3/18

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1200.055+/-534.899 χ^2/NDF: 17.7/24

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

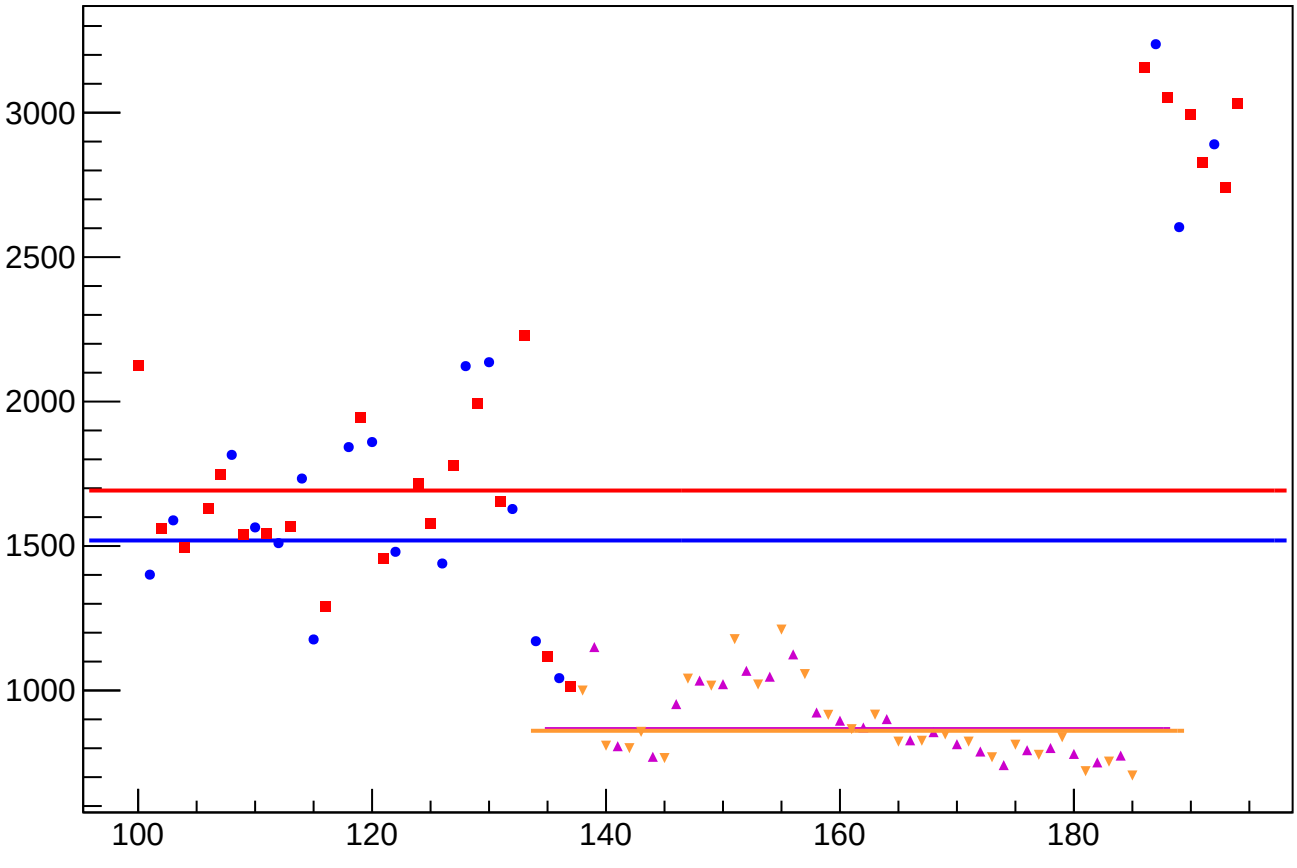
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: 85.181+/-377.738 χ^2/NDF: 46.7/43

In: -79.220+/-190.901 χ^2/NDF:54.4/41

Out: -556.586+/-185.591 χ^2/NDF:89.4/49

All: -324.634+/-133.070 χ^2/NDF: 147.0/91



Right In: 1519.218+/-0.377 χ^2/NDF: 1441985.4/18

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1692.079+/-0.378 χ^2/NDF: 2026224.5/24

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

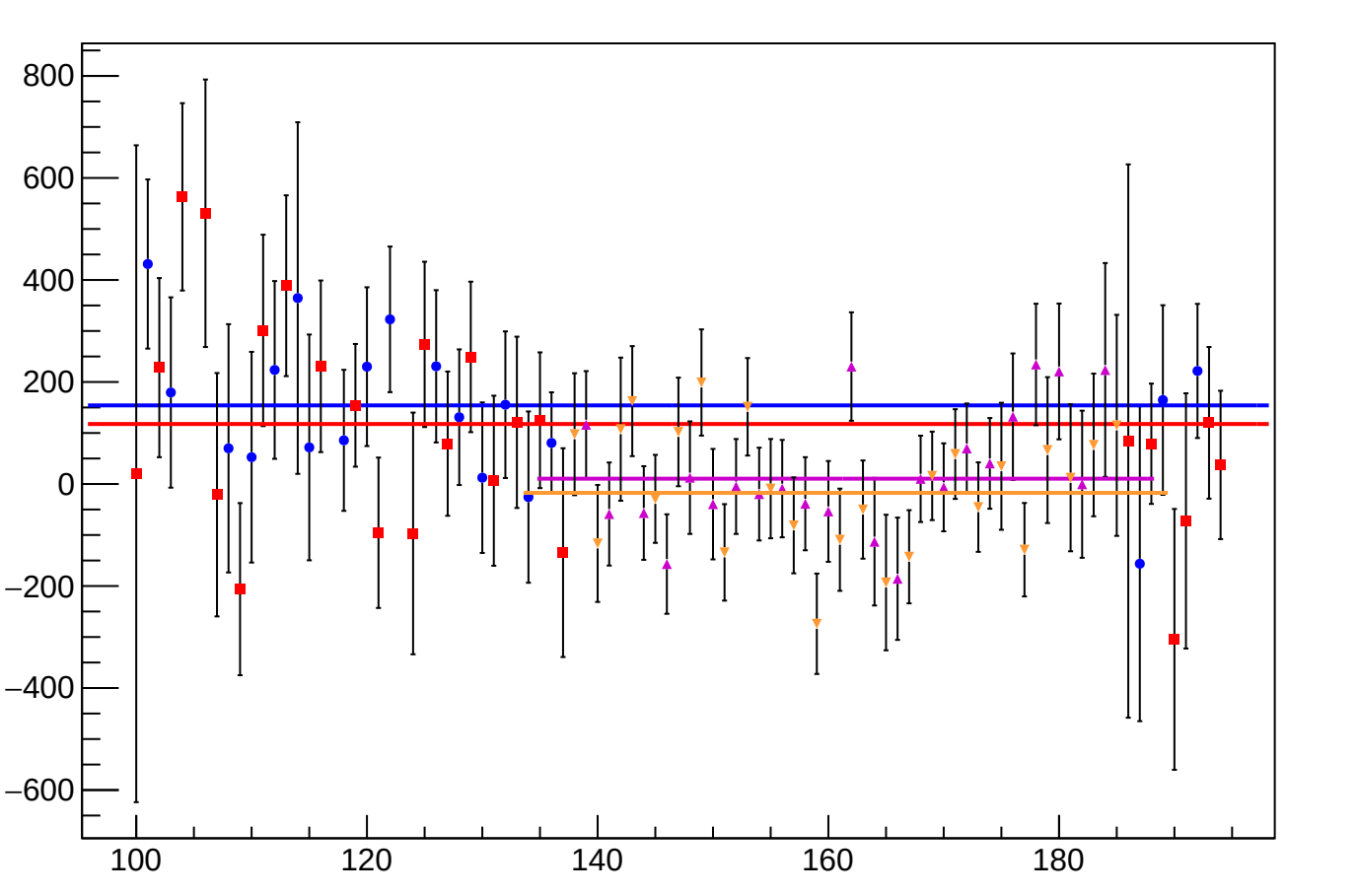
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1605.423+/-0.267 χ^2/NDF: 3572918.4/43

In: 949.943+/-0.135 χ^2/NDF:4666762.8/41

Out: 960.602+/-0.131 χ^2/NDF:6977488.4/49

All: 955.423+/-0.094 χ^2/NDF: 11647457.1/91



Right In: 154.108+/-36.762 χ^2/NDF: 9.9/18

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 117.611+/-34.397 χ^2/NDF: 27.0/24

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

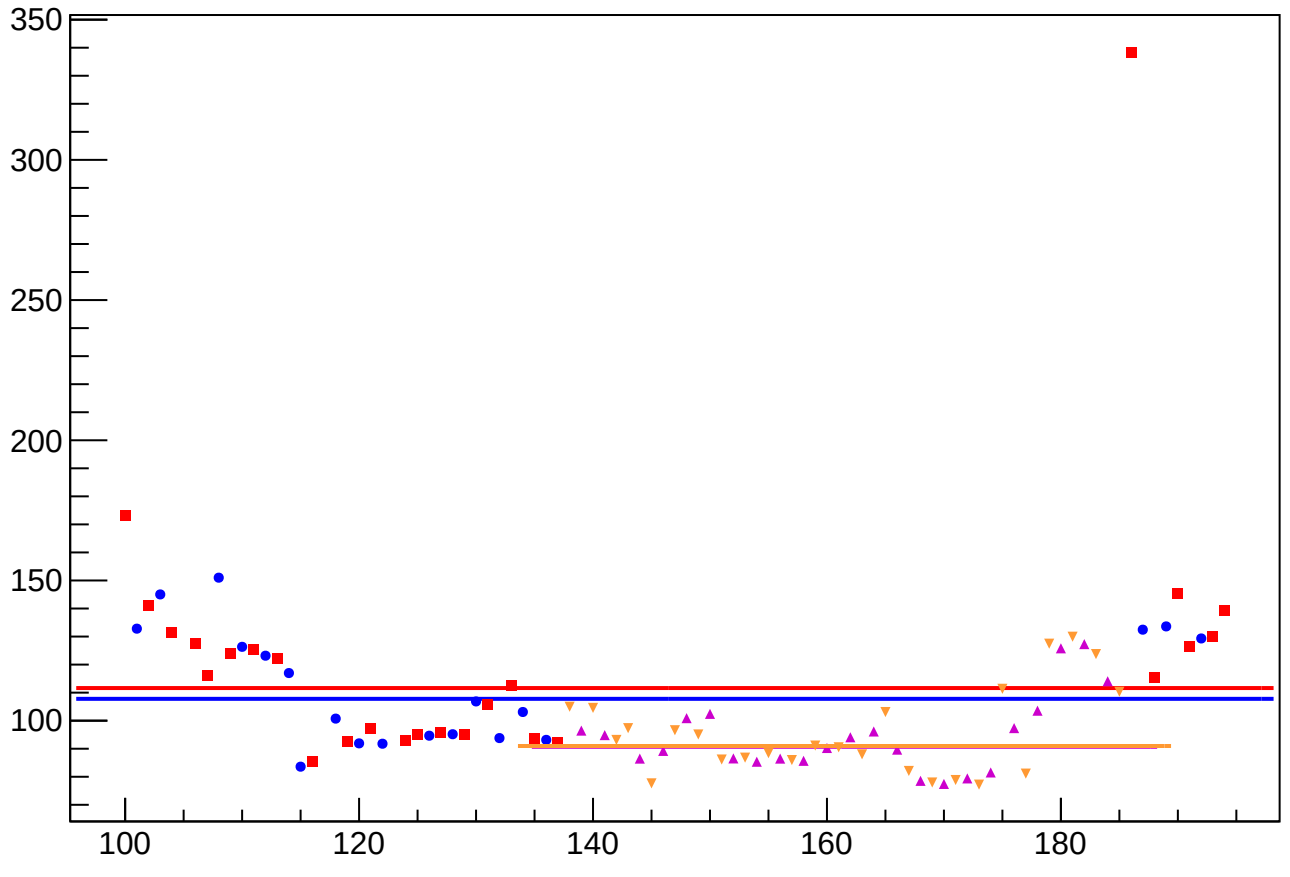
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 134.648+/-25.117 χ^2/NDF: 37.5/43

In: 47.043+/-18.561 χ^2/NDF:43.9/41

Out: 19.257+/-17.915 χ^2/NDF:69.5/49

All: 32.658+/-12.890 χ^2/NDF: 114.6/91



Right In: 107.790+/-0.026 χ^2/NDF: 499115.0/18

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 111.636+/-0.024 χ^2/NDF: 887387.4/24

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

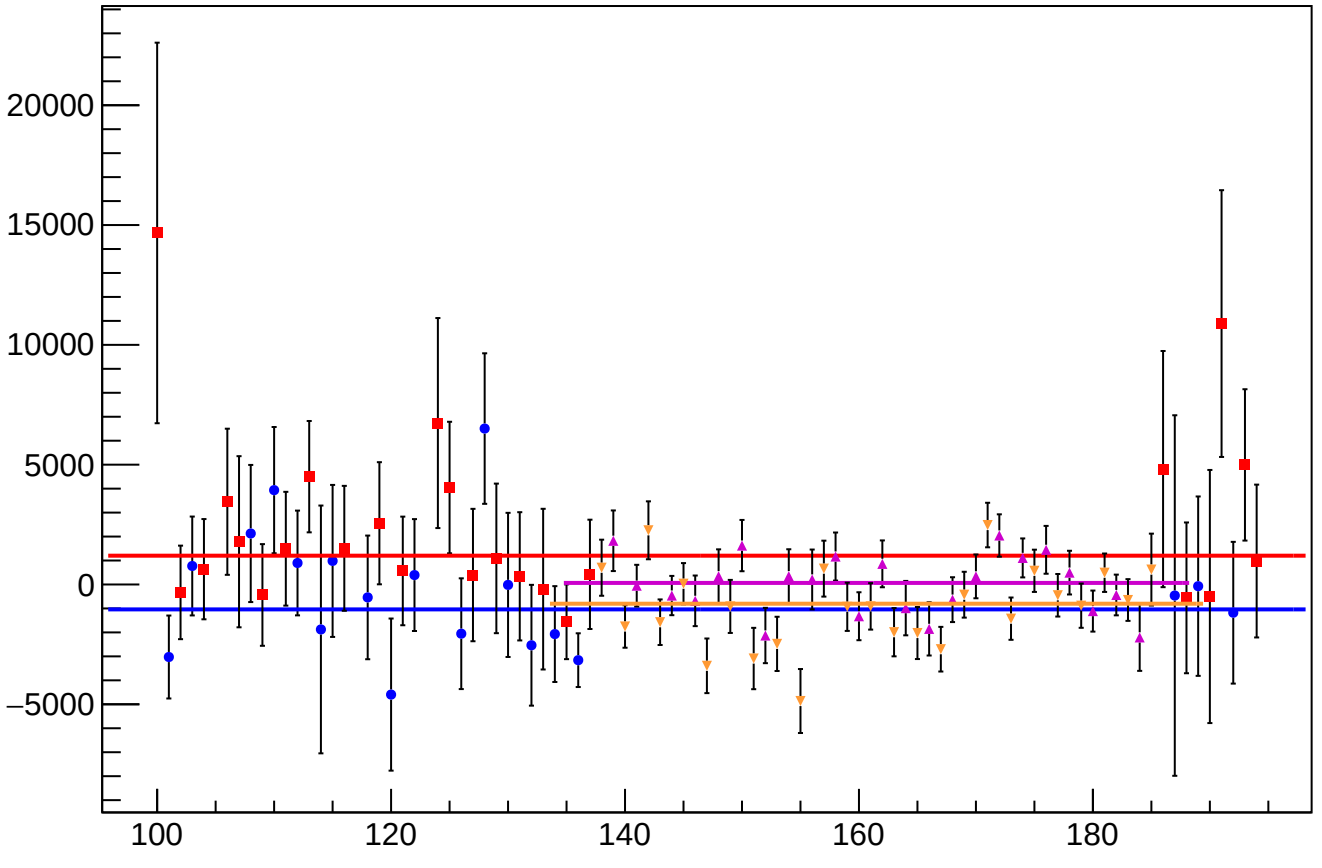
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

Right: 109.841+/-0.018 χ^2/NDF: 1398172.8/43

In: 95.049+/-0.013 χ^2/NDF:1367498.4/41

Out: 96.574+/-0.013 χ^2/NDF:2198151.7/49

All: 95.838+/-0.009 χ^2/NDF: 3572635.9/91



Right In: -1039.608+/-540.807 χ^2/NDF: 20.1/18

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: 1201.870+/-539.757 χ^2/NDF: 18.8/24

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

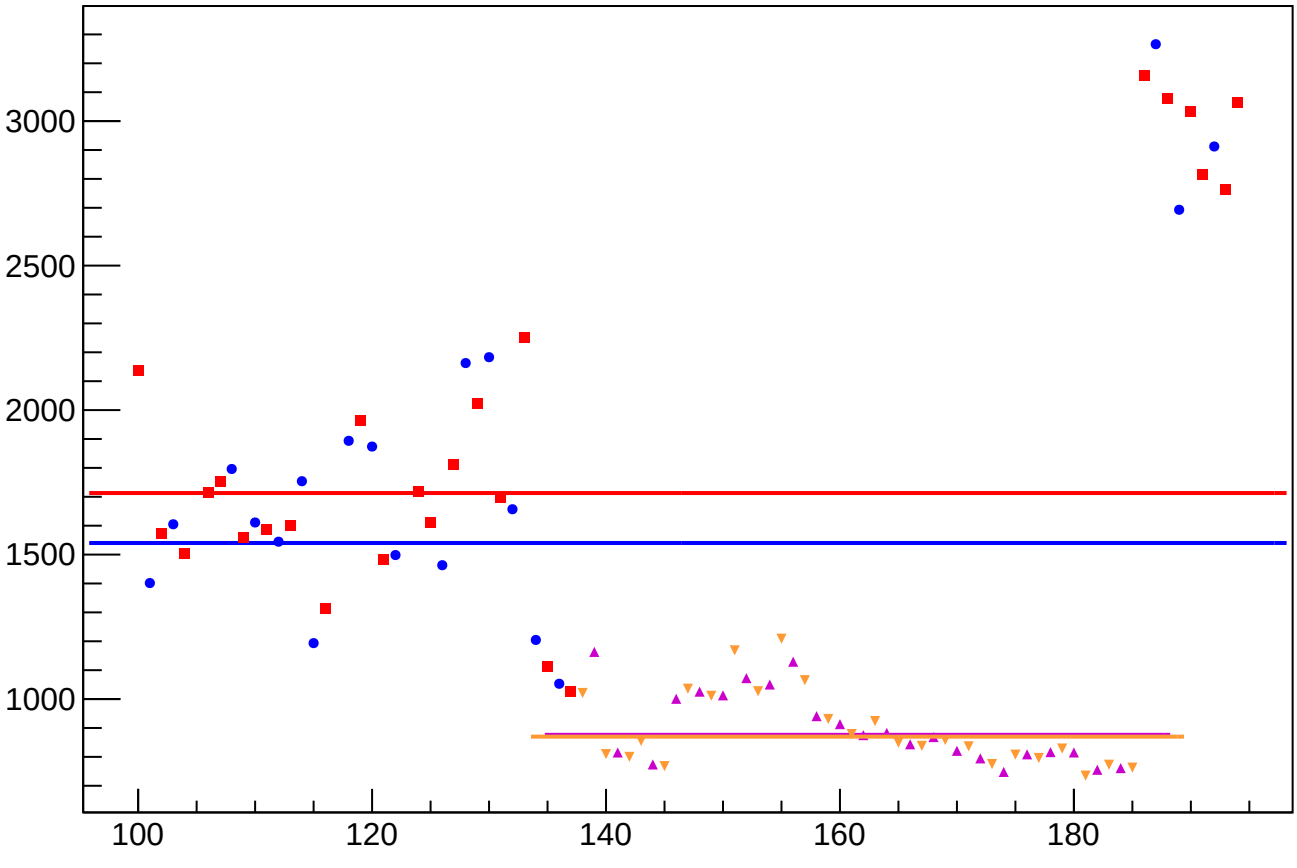
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: 83.311+/-382.037 χ^2/NDF: 47.6/43

In: -75.578+/-193.059 χ^2/NDF:54.5/41

Out: -560.872+/-187.417 χ^2/NDF:89.3/49

All: -325.421+/-134.474 χ^2/NDF: 147.0/91



Right In: 1540.151+/-0.382 χ^2/NDF: 1455459.2/18

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1712.985+/-0.382 χ^2/NDF: 2028872.9/24

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

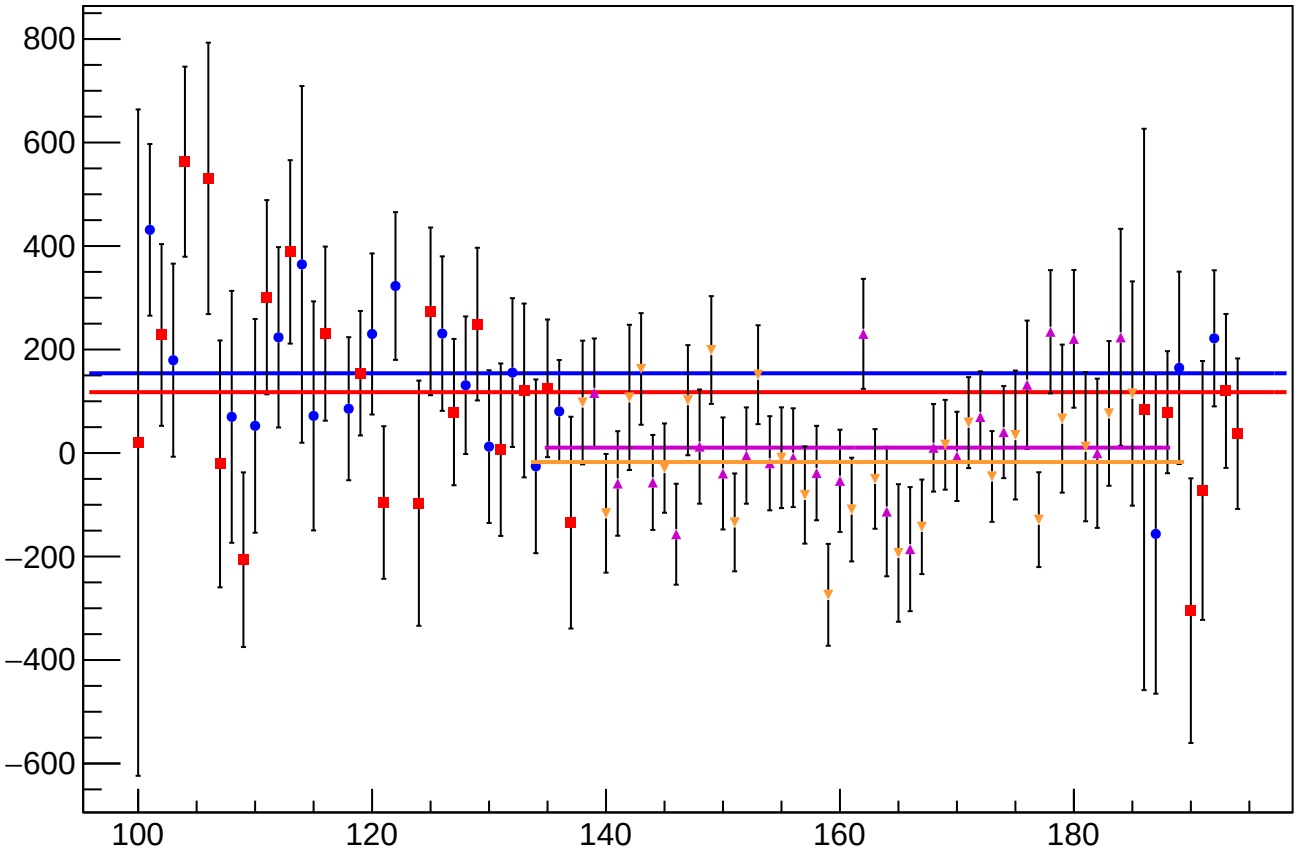
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1626.736+/-0.270 χ^2/NDF: 3586665.9/43

In: 960.876+/-0.137 χ^2/NDF:4682426.6/41

Out: 971.642+/-0.133 χ^2/NDF:6966257.7/49

All: 966.418+/-0.095 χ^2/NDF: 11651886.3/91



Right In: 154.109+/-36.762 χ^2/NDF: 9.9/18

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 117.611+/-34.397 χ^2/NDF: 27.0/24

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

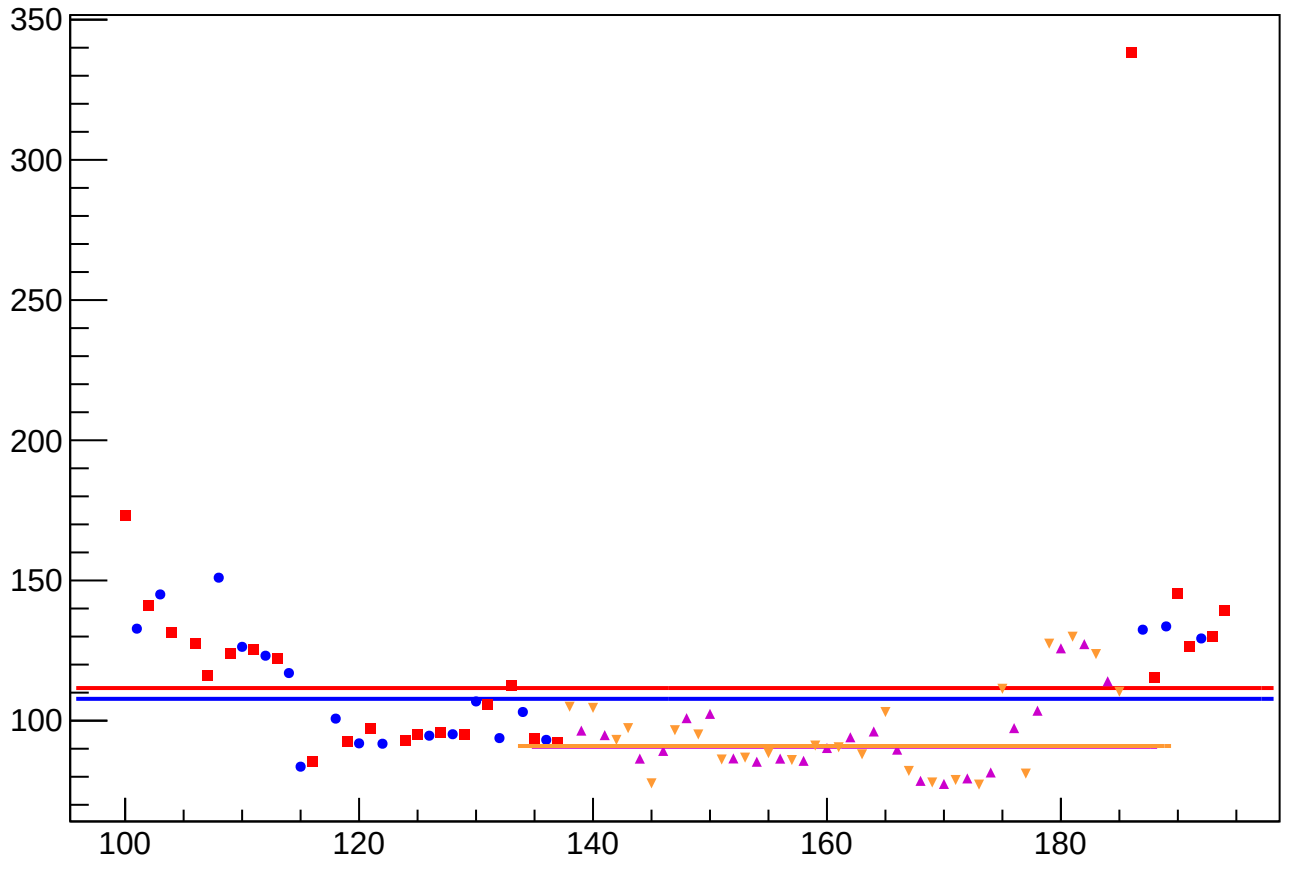
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 134.648+/-25.117 χ^2/NDF: 37.5/43

In: 47.043+/-18.561 χ^2/NDF:43.9/41

Out: 19.257+/-17.915 χ^2/NDF:69.5/49

All: 32.659+/-12.890 χ^2/NDF: 114.6/91



Right In: 107.789+/-0.026 χ^2/NDF: 499120.7/18

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

Right Out: 111.635+/-0.024 χ^2/NDF: 887395.6/24

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

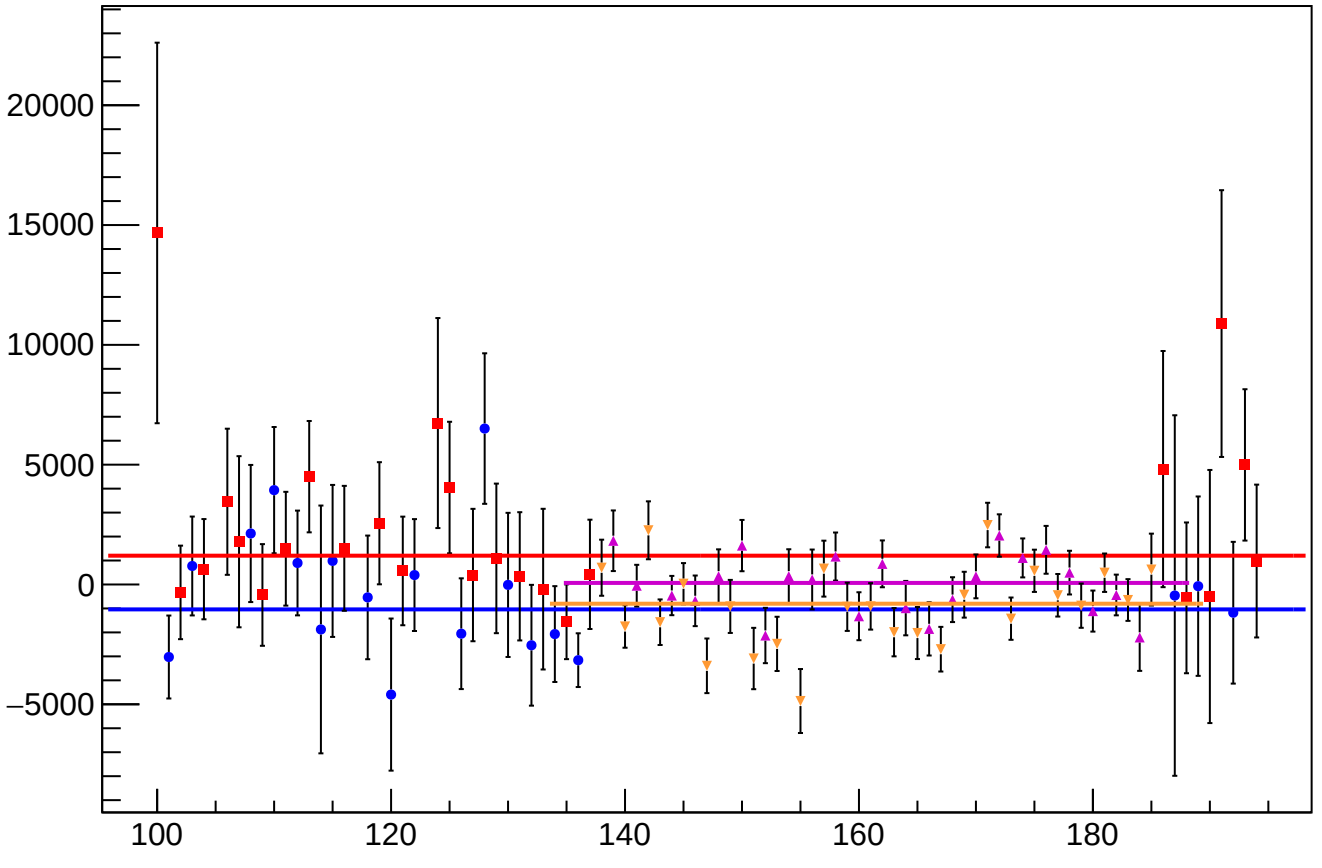
Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

Right: 109.840+/-0.018 χ^2/NDF: 1398188.8/43

In: 95.049+/-0.013 χ^2/NDF:1367463.4/41

Out: 96.574+/-0.013 χ^2/NDF:2198131.3/49

All: 95.838+/-0.009 χ^2/NDF: 3572581.9/91



Right In: -1039.604+/-540.806 χ^2/NDF: 20.1/18

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

Right Out: 1201.869+/-539.756 χ^2/NDF: 18.8/24

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

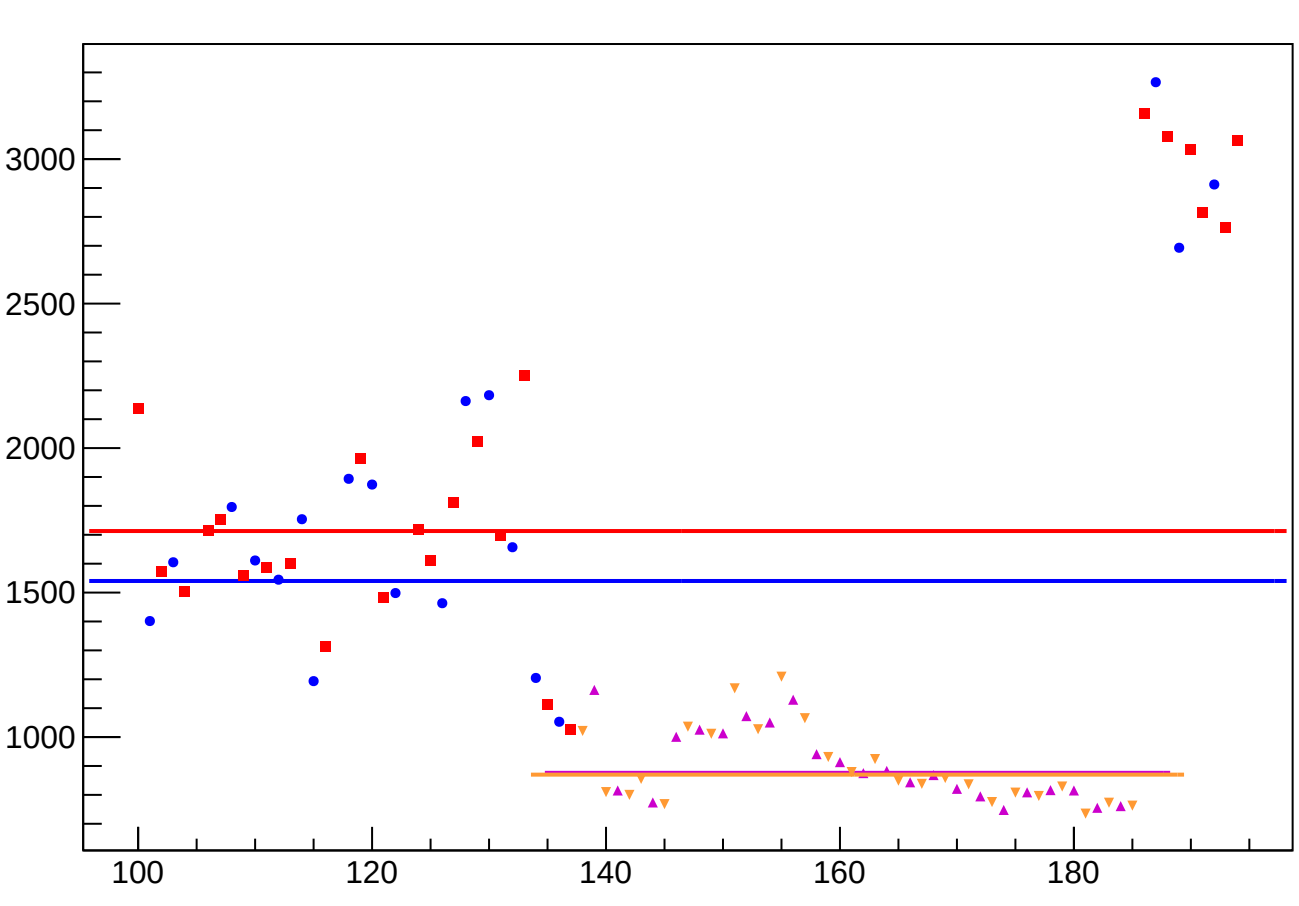
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: 83.312+/-382.036 χ^2/NDF: 47.6/43

In: -75.578+/-193.059 χ^2/NDF:54.5/41

Out: -560.871+/-187.416 χ^2/NDF:89.3/49

All: -325.420+/-134.474 χ^2/NDF: 147.0/91



Right In: 1540.148+/-0.382 χ^2/NDF: 1455457.6/18

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1712.982+/-0.382 χ^2/NDF: 2028877.1/24

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

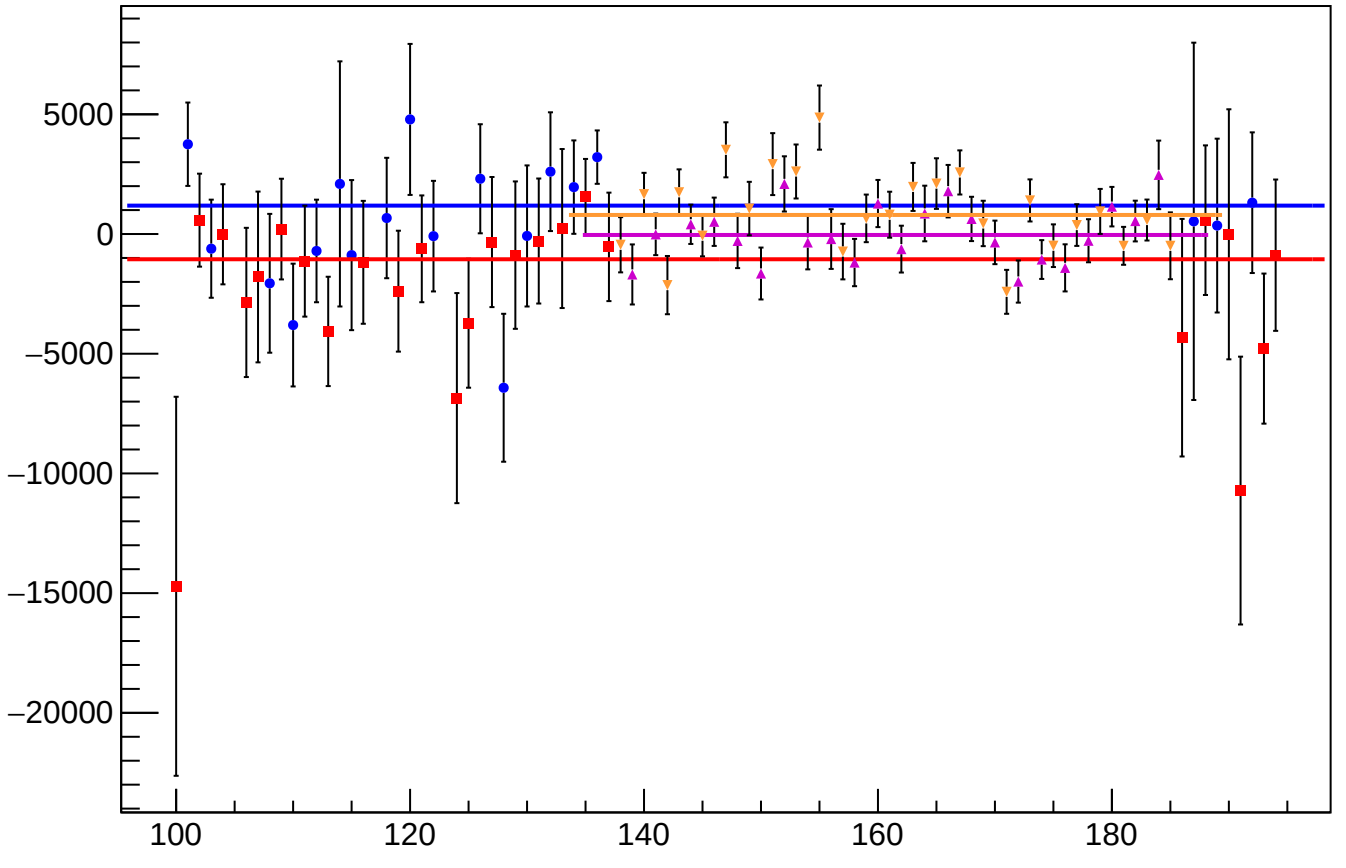
Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

Right: 1626.733+/-0.270 χ^2/NDF: 3586668.3/43

In: 960.875+/-0.137 χ^2/NDF:4682419.4/41

Out: 971.641+/-0.133 χ^2/NDF:6966252.3/49

All: 966.418+/-0.095 χ^2/NDF: 11651873.7/91



Right In: 1186.164+/-534.921 χ^2/NDF: 21.2/18

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: -1054.277+/-535.498 χ^2/NDF: 17.8/24

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

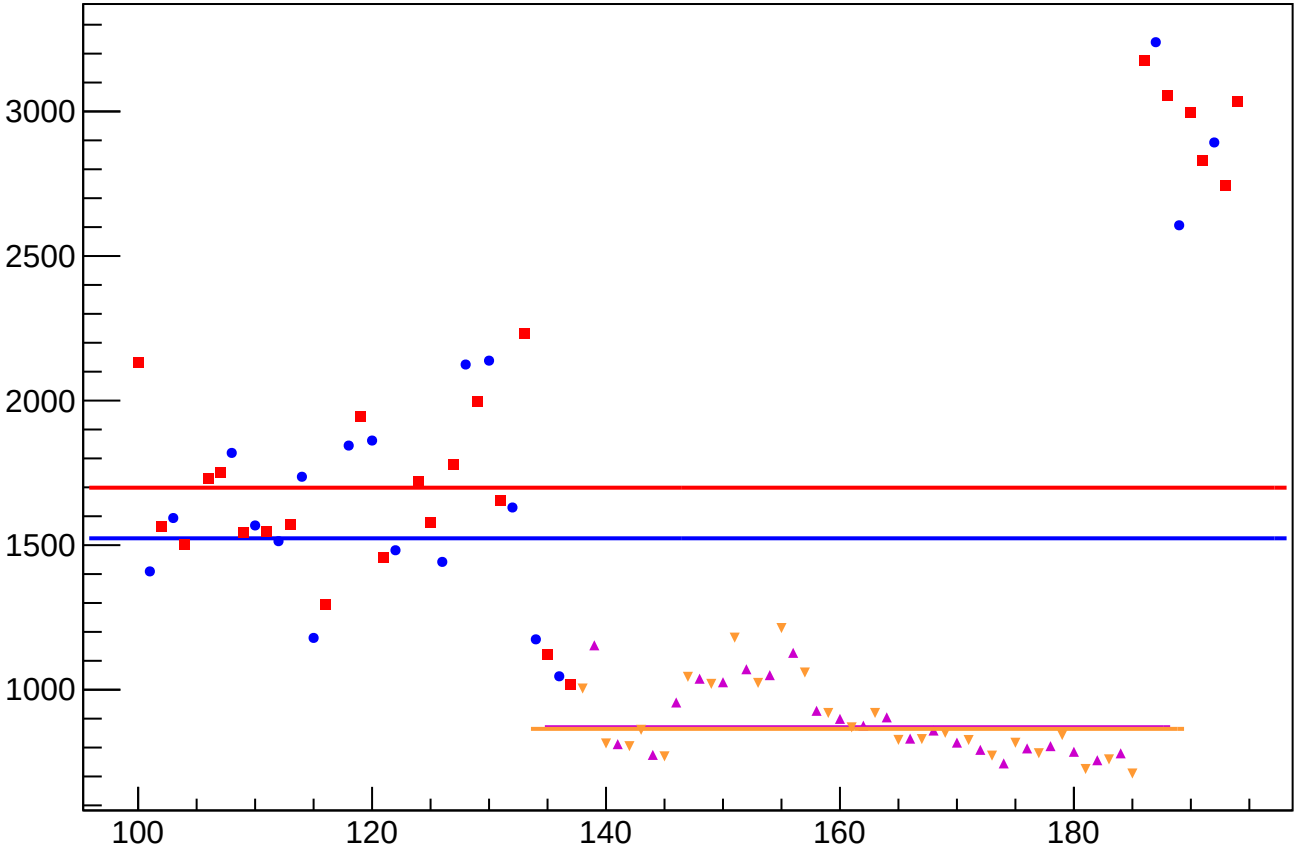
Right: 67.153+/-378.450 χ^2/NDF: 47.7/43

In: 117.712+/-191.709 χ^2/NDF:55.5/41

Out: 572.129+/-186.373 χ^2/NDF:85.4/49

All: 351.332+/-133.632 χ^2/NDF: 143.8/91

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1523.691+/-0.378 χ^2/NDF: 1433464.2/18

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

Right Out: 1698.768+/-0.379 χ^2/NDF: 2019347.0/24

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

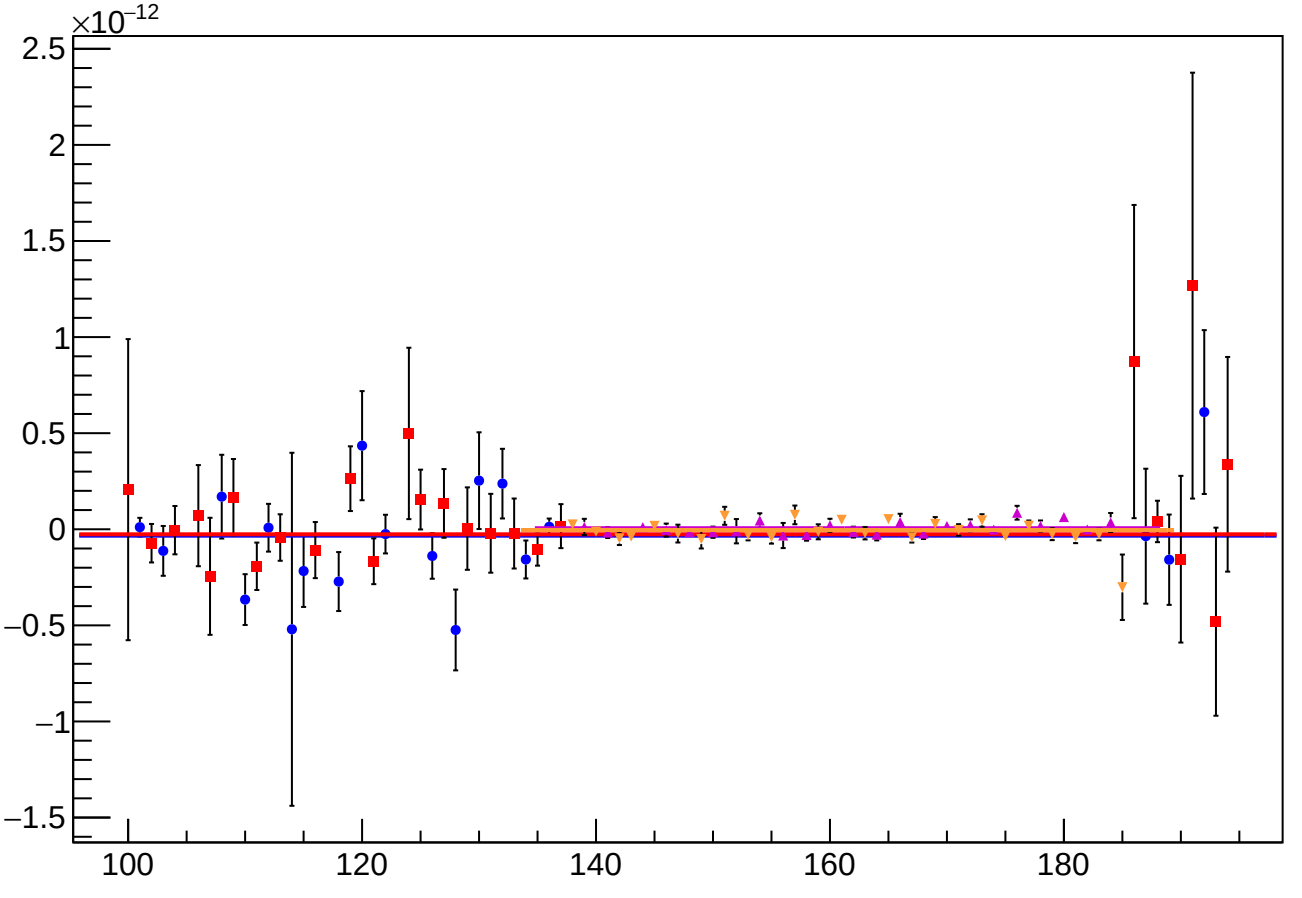
Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

Right: 1611.135+/-0.268 χ^2/NDF: 3559818.0/43

In: 954.263+/-0.136 χ^2/NDF:4638340.4/41

Out: 965.675+/-0.132 χ^2/NDF:6973183.6/49

All: 960.130+/-0.094 χ^2/NDF: 11615167.6/91



Right In: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/24

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

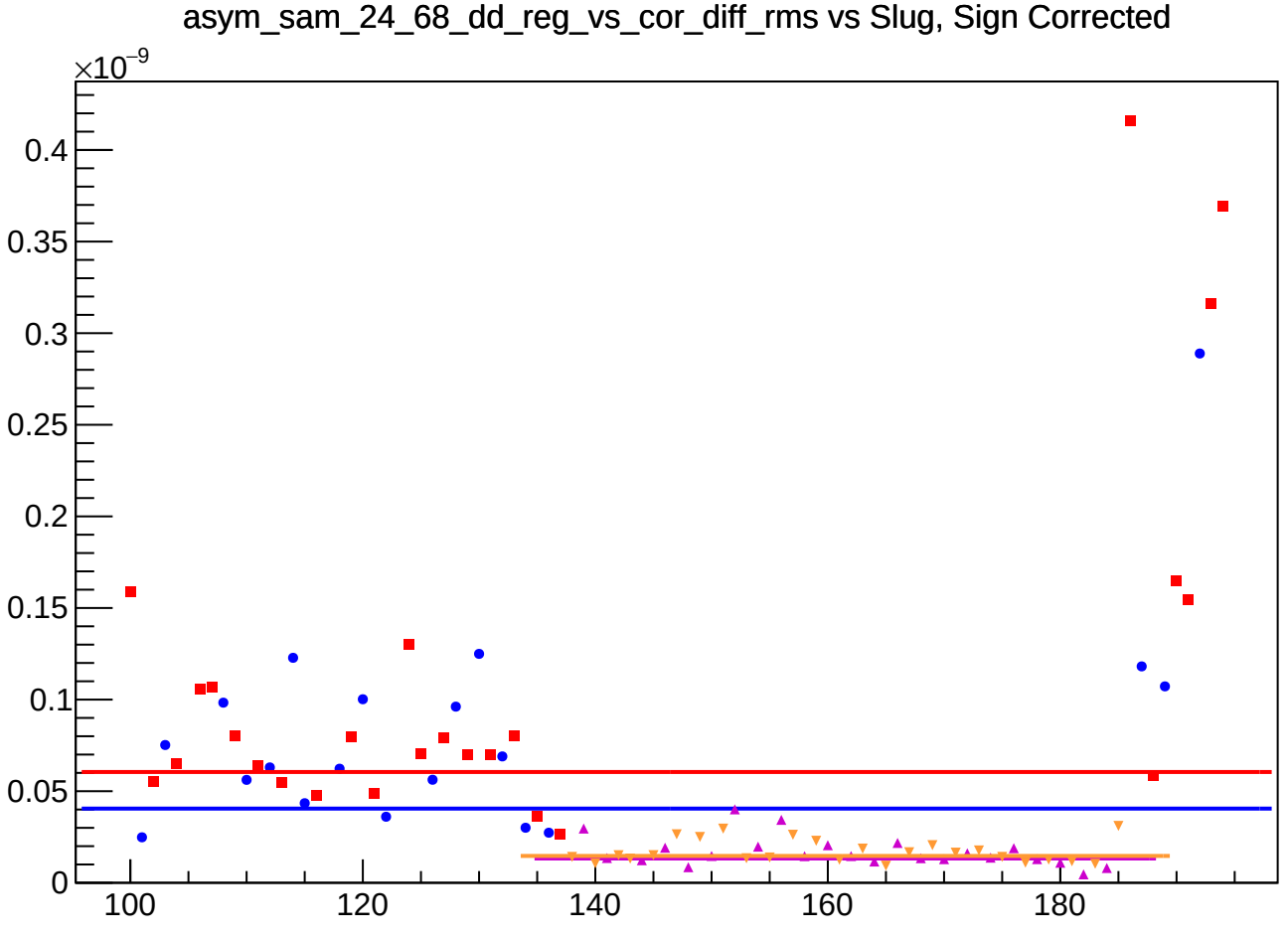
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 47.4/43

In: 0.000+/-0.000 χ^2/NDF:52.9/41

Out: -0.000+/-0.000 χ^2/NDF:56.6/49

All: -0.000+/-0.000 χ^2/NDF: 110.4/91



Right In: 0.000+/-0.000 χ^2/NDF: 2333444.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2352299.7/24

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

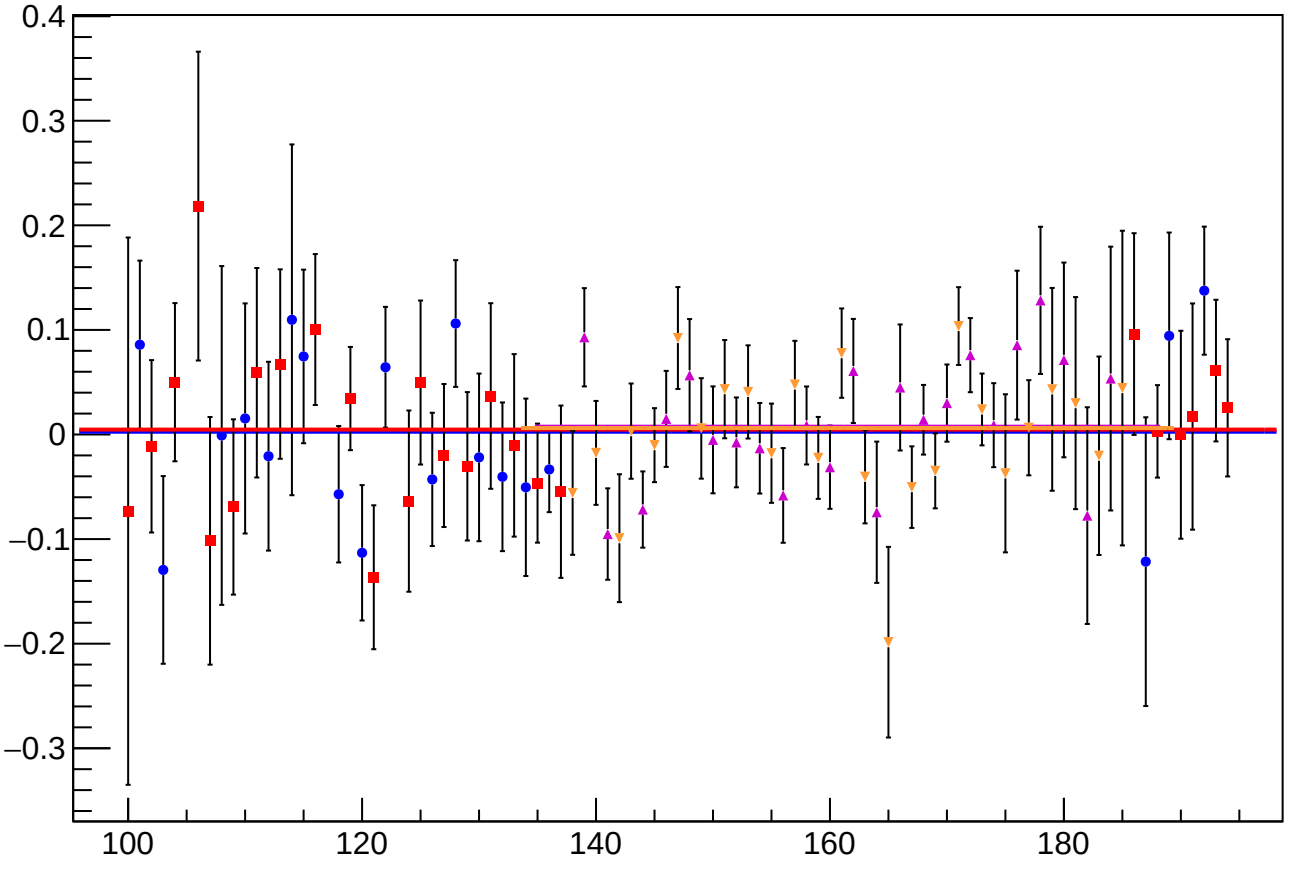
Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

Right: 0.000+/-0.000 χ^2/NDF: 5172690.8/43

In: 0.000+/-0.000 χ^2/NDF:6583093.9/41

Out: 0.000+/-0.000 χ^2/NDF:7388285.1/49

All: 0.000+/-0.000 χ^2/NDF: 14032310.8/91



Right In: 0.003+/-0.017 χ^2/NDF: 21.2/18

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.005+/-0.015 χ^2/NDF: 15.8/24

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

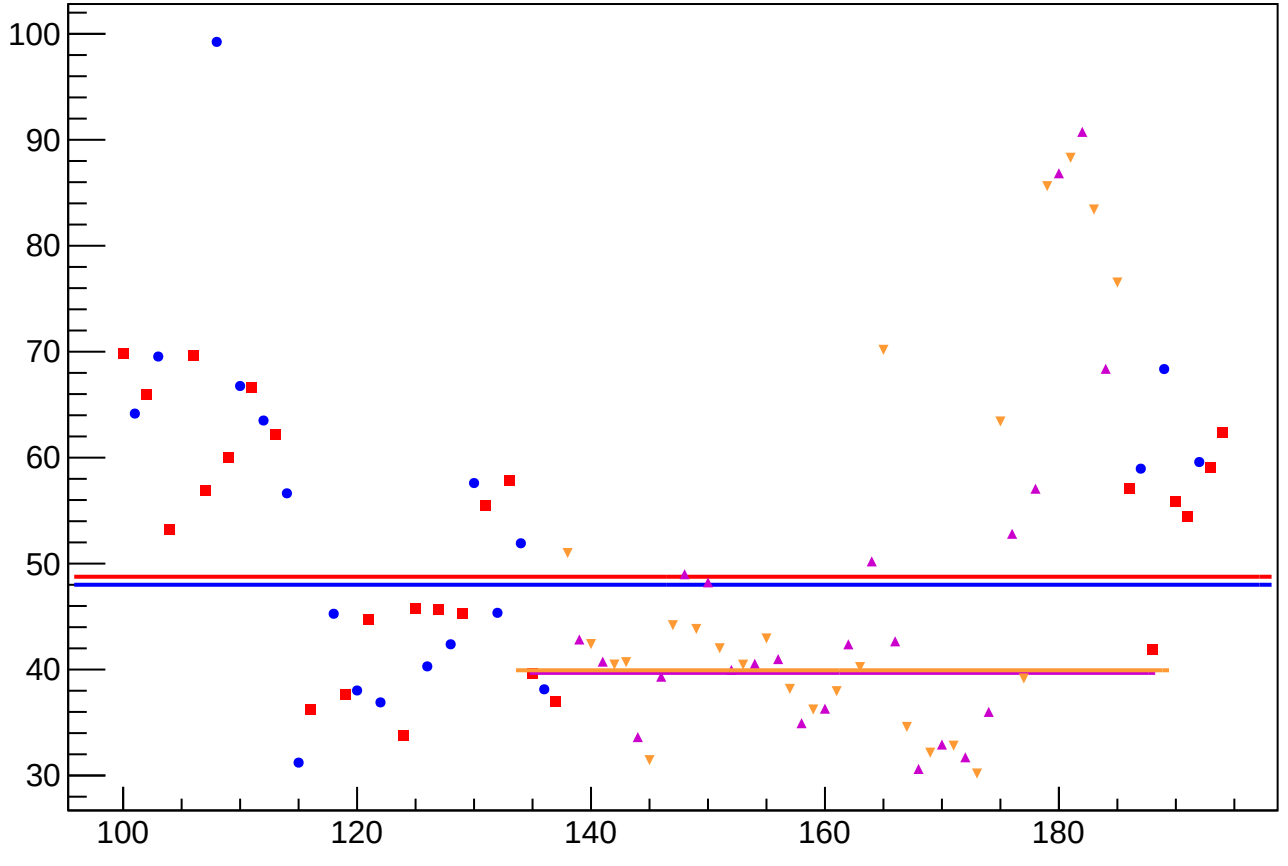
Right: 0.004+/-0.011 χ^2/NDF: 37.1/43

In: 0.006+/-0.008 χ^2/NDF:51.7/41

Out: 0.006+/-0.008 χ^2/NDF:46.6/49

All: 0.006+/-0.006 χ^2/NDF: 98.4/91

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.003+/-0.012 χ^2/NDF: 1093810.0/18

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 48.760+/-0.011 χ^2/NDF: 875713.7/24

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

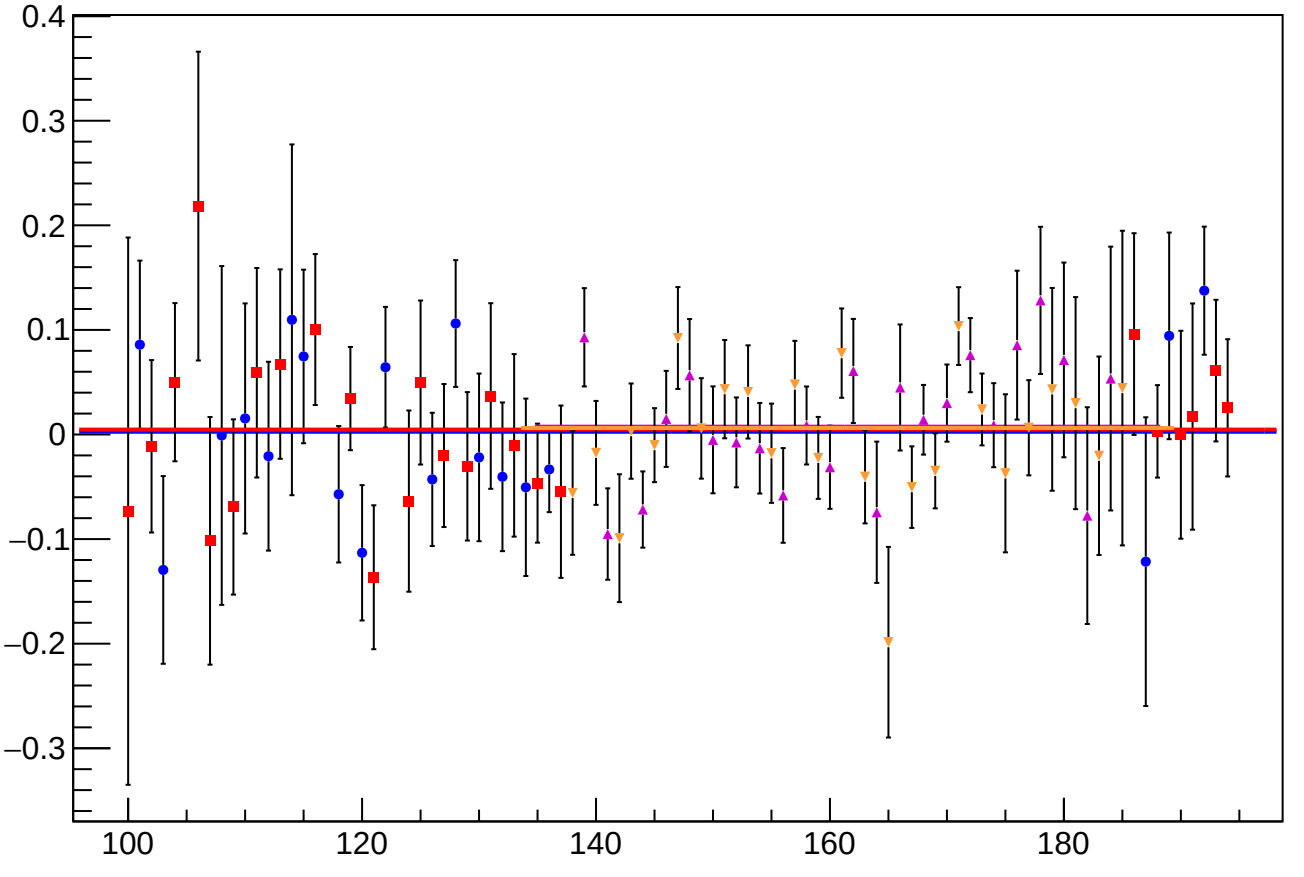
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 48.420+/-0.008 χ^2/NDF: 1971738.9/43

In: 41.775+/-0.006 χ^2/NDF:3373409.4/41

Out: 42.430+/-0.006 χ^2/NDF:3833090.5/49

All: 42.117+/-0.004 χ^2/NDF: 7212760.2/91



Right In: 0.003+/-0.017 χ^2/NDF: 21.2/18

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.005+/-0.015 χ^2/NDF: 15.8/24

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

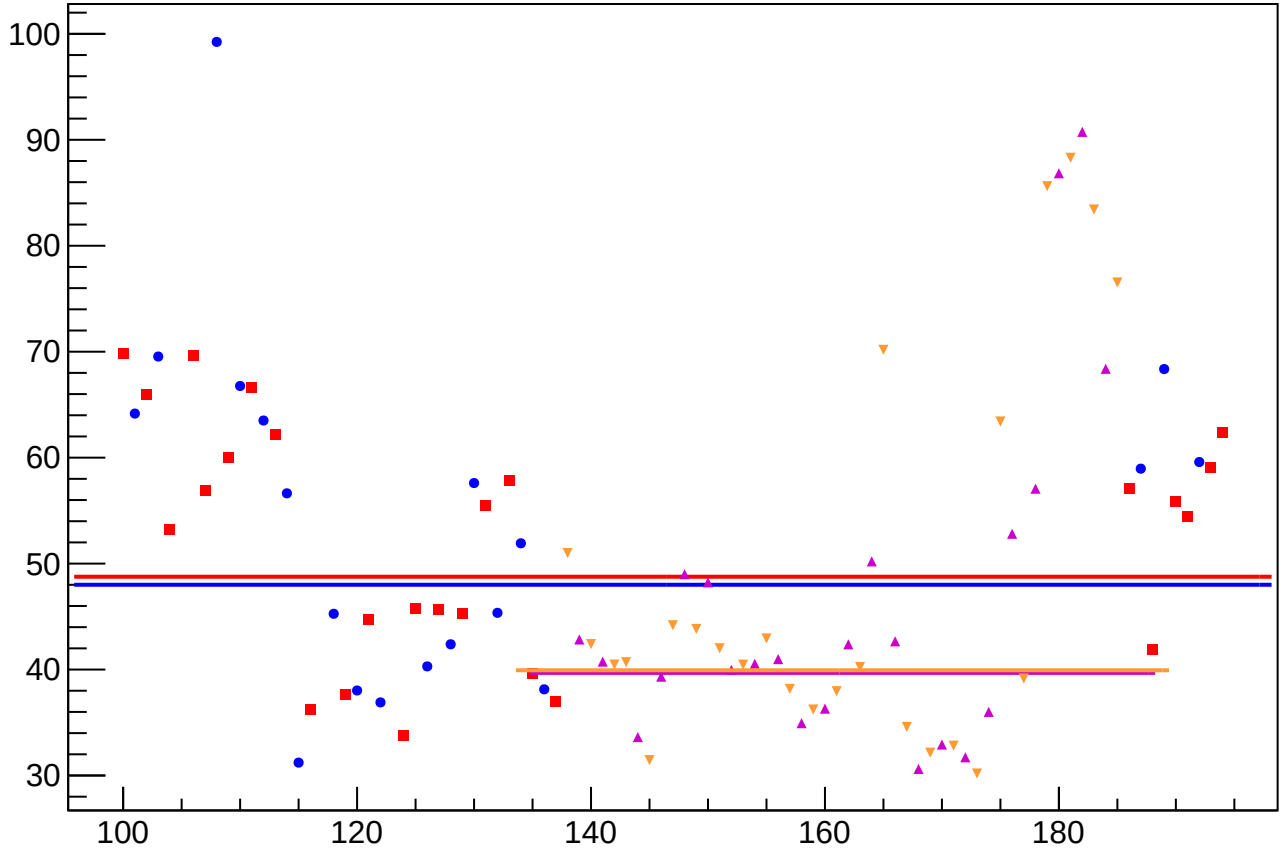
Right: 0.004+/-0.011 χ^2/NDF: 37.1/43

In: 0.006+/-0.008 χ^2/NDF:51.7/41

Out: 0.006+/-0.008 χ^2/NDF:46.6/49

All: 0.006+/-0.006 χ^2/NDF: 98.4/91

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.003+/-0.012 χ^2/NDF: 1093810.0/18

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 48.760+/-0.011 χ^2/NDF: 875713.7/24

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

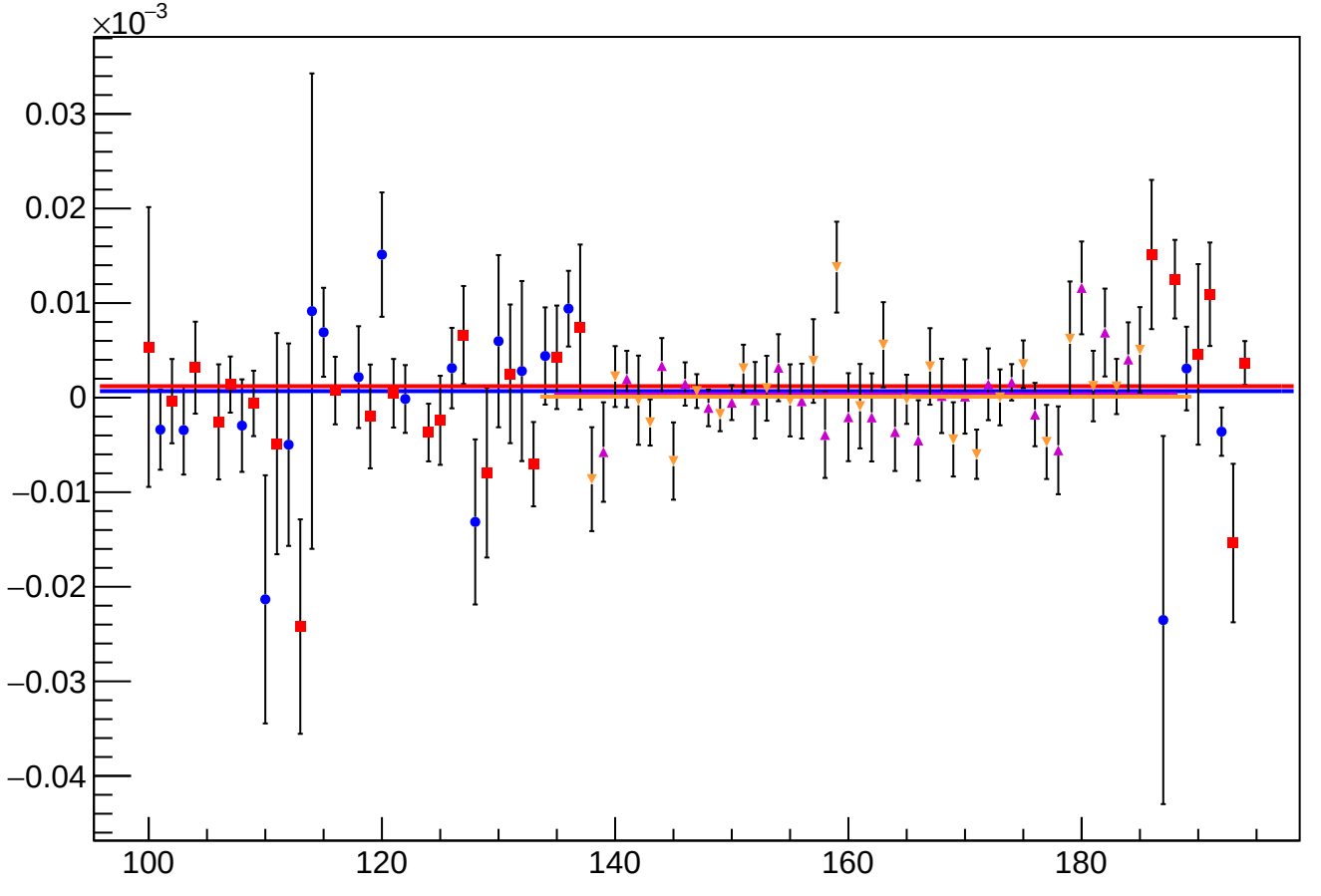
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 48.420+/-0.008 χ^2/NDF: 1971738.9/43

In: 41.775+/-0.006 χ^2/NDF:3373409.4/41

Out: 42.430+/-0.006 χ^2/NDF:3833090.5/49

All: 42.117+/-0.004 χ^2/NDF: 7212760.2/91



Right In: 0.000+/-0.000 χ^2/NDF: 25.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.2/24

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

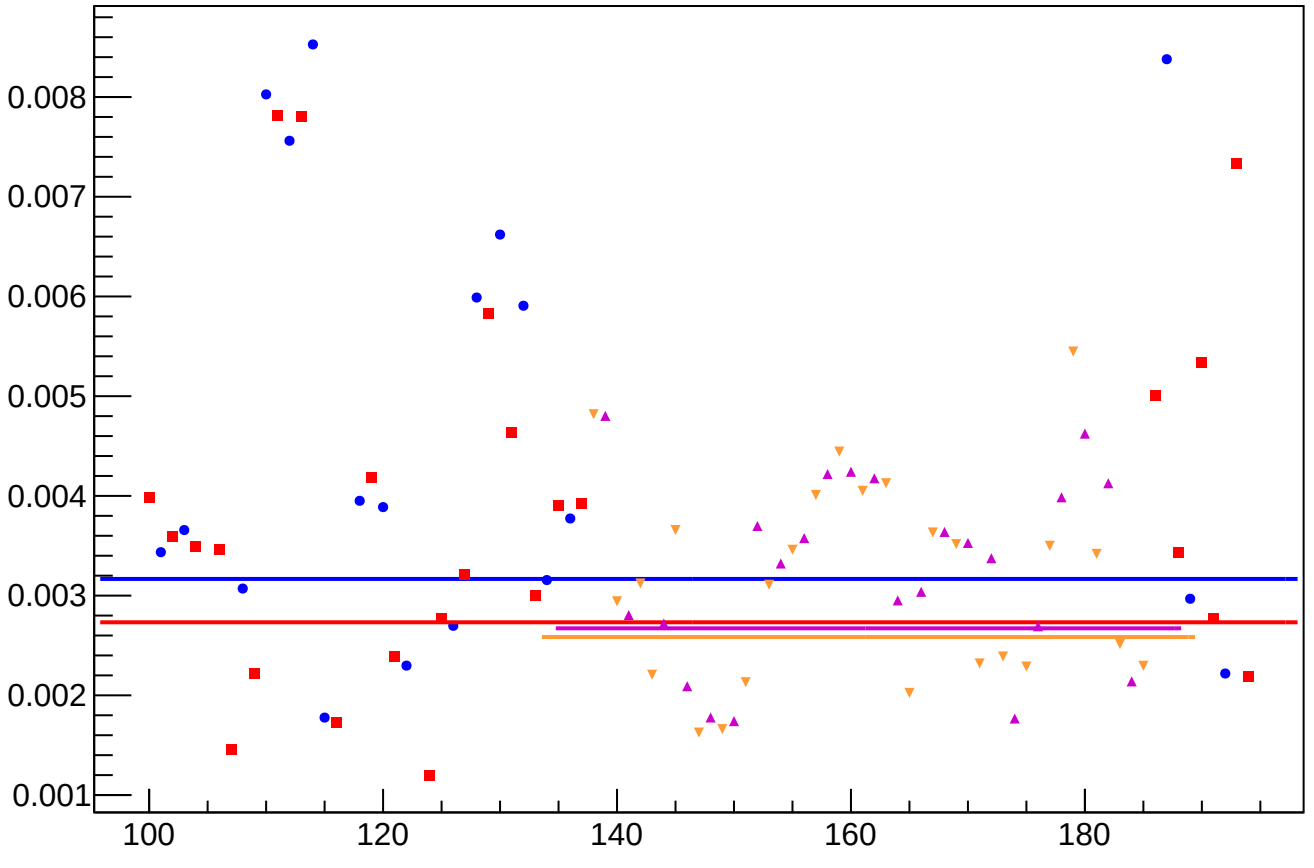
Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

Right: 0.000+/-0.000 χ^2/NDF: 60.6/43

In: 0.000+/-0.000 χ^2/NDF:44.1/41

Out: 0.000+/-0.000 χ^2/NDF:69.4/49

All: 0.000+/-0.000 χ^2/NDF: 113.4/91



Right In: 0.003+/-0.000 χ^2/NDF: 2247442.1/18

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3794534.8/24

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

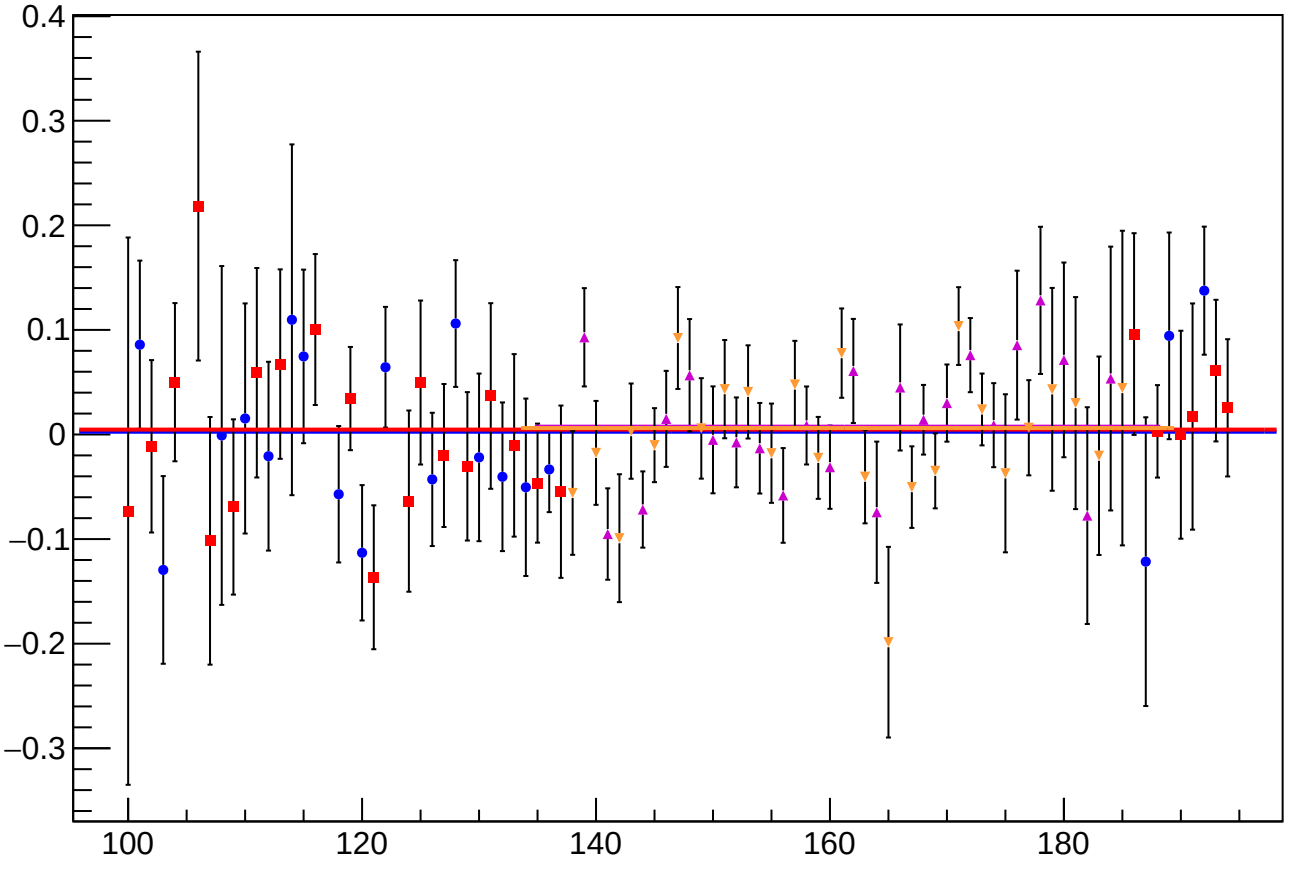
Right: 0.003+/-0.000 χ^2/NDF: 6212577.7/43

In: 0.003+/-0.000 χ^2/NDF:6345177.1/41

Out: 0.003+/-0.000 χ^2/NDF:7722210.0/49

All: 0.003+/-0.000 χ^2/NDF: 14156466.8/91

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.017 χ^2/NDF: 21.2/18

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.005+/-0.015 χ^2/NDF: 15.8/24

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

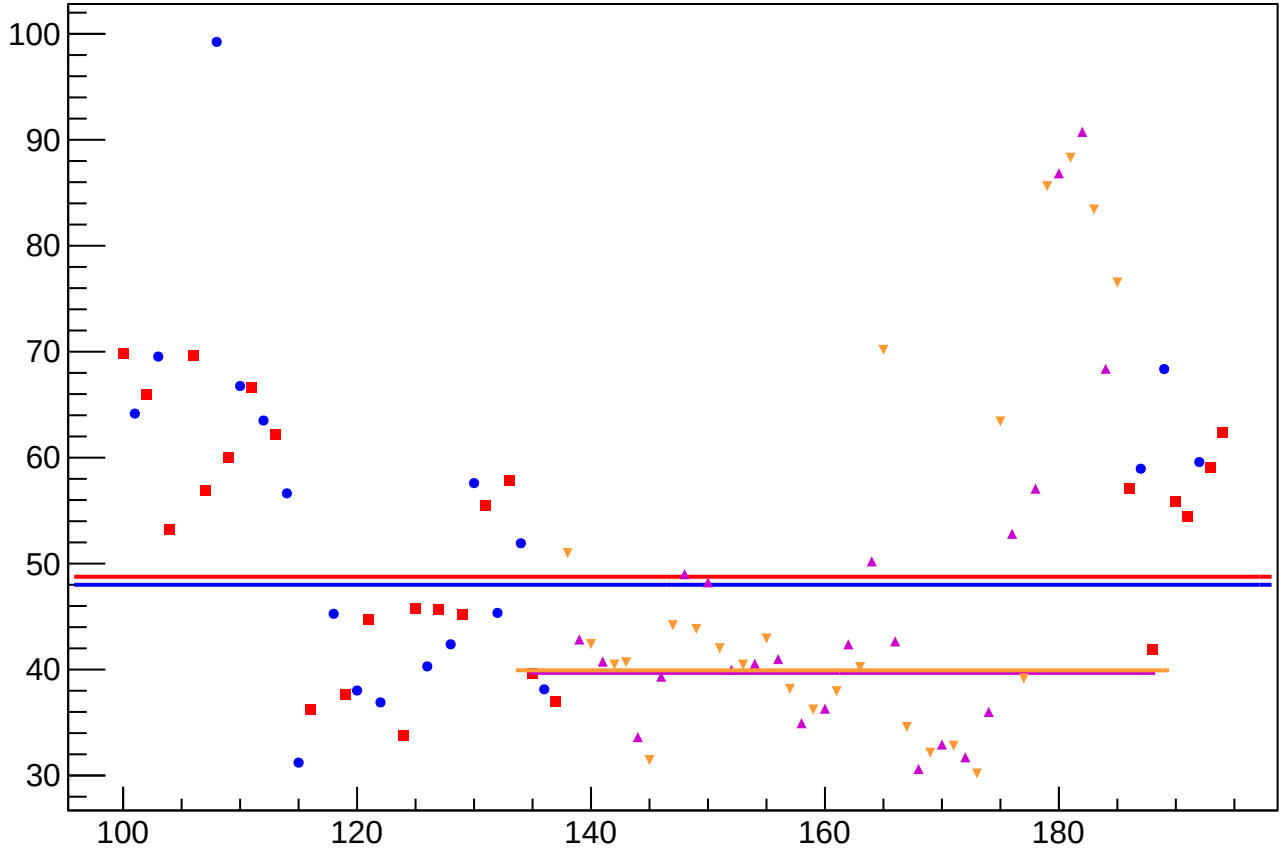
Right: 0.004+/-0.011 χ^2/NDF: 37.0/43

In: 0.006+/-0.008 χ^2/NDF:51.7/41

Out: 0.006+/-0.008 χ^2/NDF:46.6/49

All: 0.006+/-0.006 χ^2/NDF: 98.4/91

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.002+/-0.012 χ^2/NDF: 1093802.7/18

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 48.759+/-0.011 χ^2/NDF: 875696.0/24

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

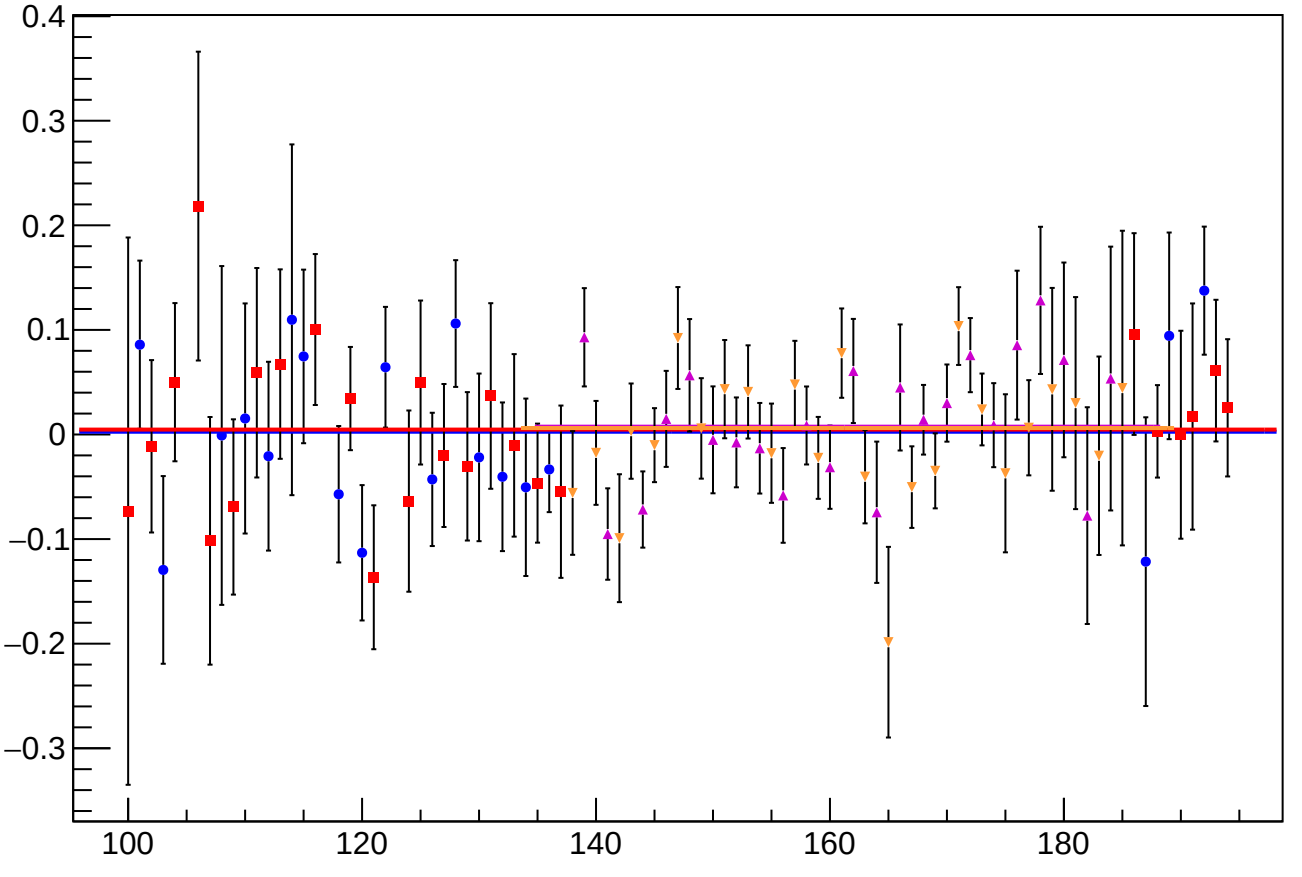
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 48.419+/-0.008 χ^2/NDF: 1971718.4/43

In: 41.774+/-0.006 χ^2/NDF:3373329.6/41

Out: 42.430+/-0.006 χ^2/NDF:3833026.0/49

All: 42.116+/-0.004 χ^2/NDF: 7212622.7/91



Right In: 0.003+/-0.017 χ^2/NDF: 21.2/18

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.005+/-0.015 χ^2/NDF: 15.8/24

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

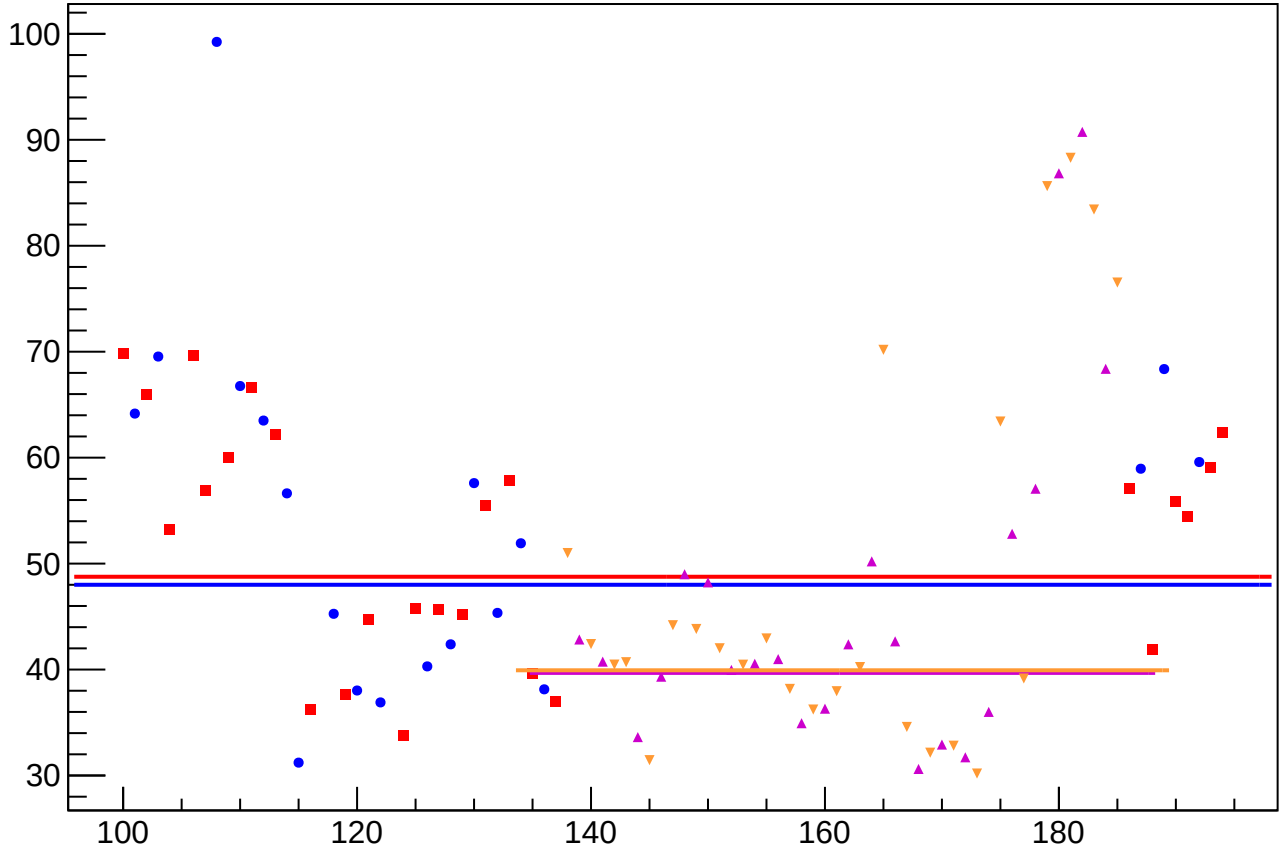
Right: 0.004+/-0.011 χ^2/NDF: 37.0/43

In: 0.006+/-0.008 χ^2/NDF:51.7/41

Out: 0.006+/-0.008 χ^2/NDF:46.6/49

All: 0.006+/-0.006 χ^2/NDF: 98.4/91

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.002+/-0.012 χ^2/NDF: 1093802.7/18

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 48.759+/-0.011 χ^2/NDF: 875696.0/24

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

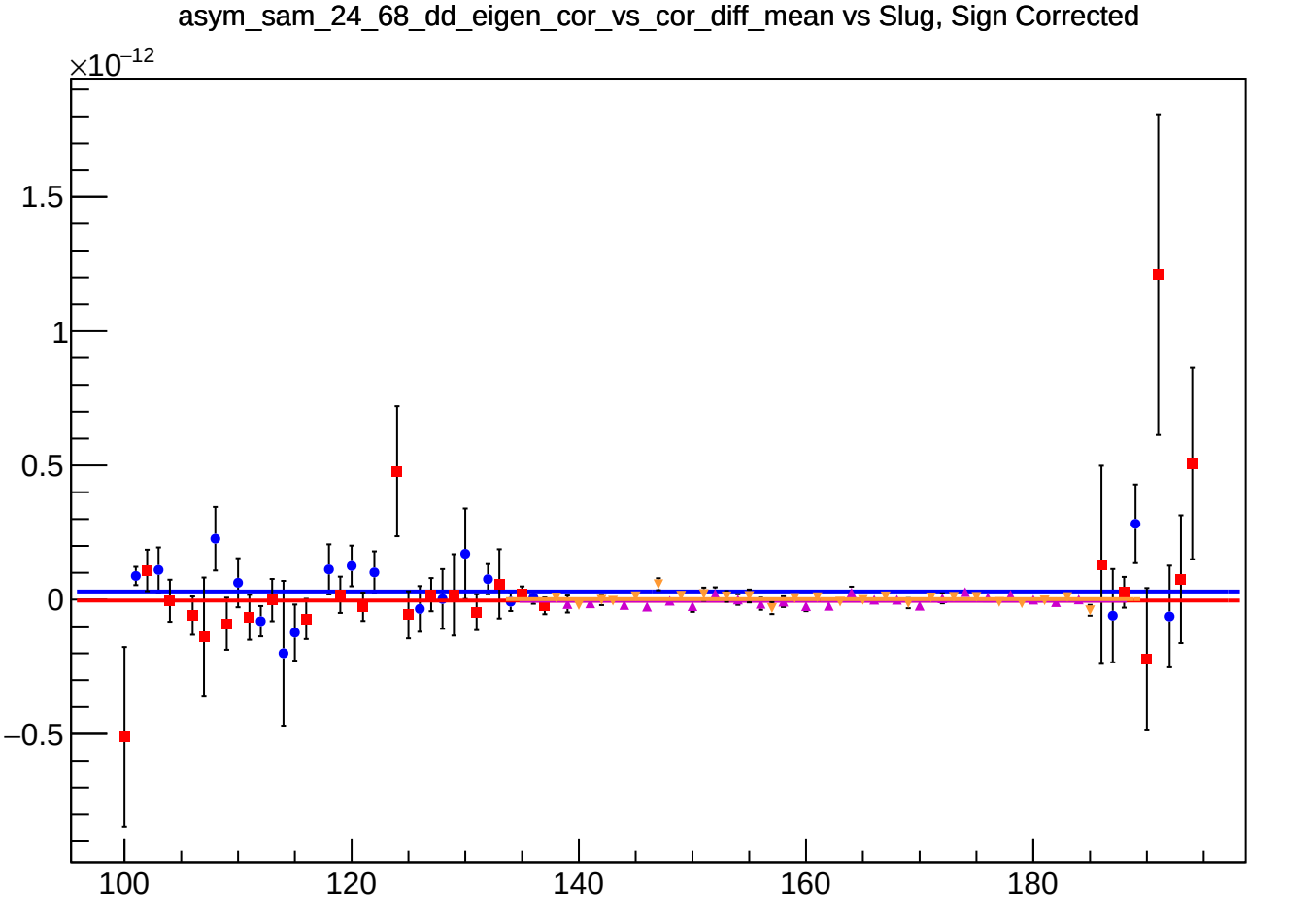
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 48.419+/-0.008 χ^2/NDF: 1971718.4/43

In: 41.774+/-0.006 χ^2/NDF:3373329.6/41

Out: 42.430+/-0.006 χ^2/NDF:3833026.0/49

All: 42.116+/-0.004 χ^2/NDF: 7212622.7/91



Right In: 0.000+/-0.000 χ^2/NDF: 24.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.7/24

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

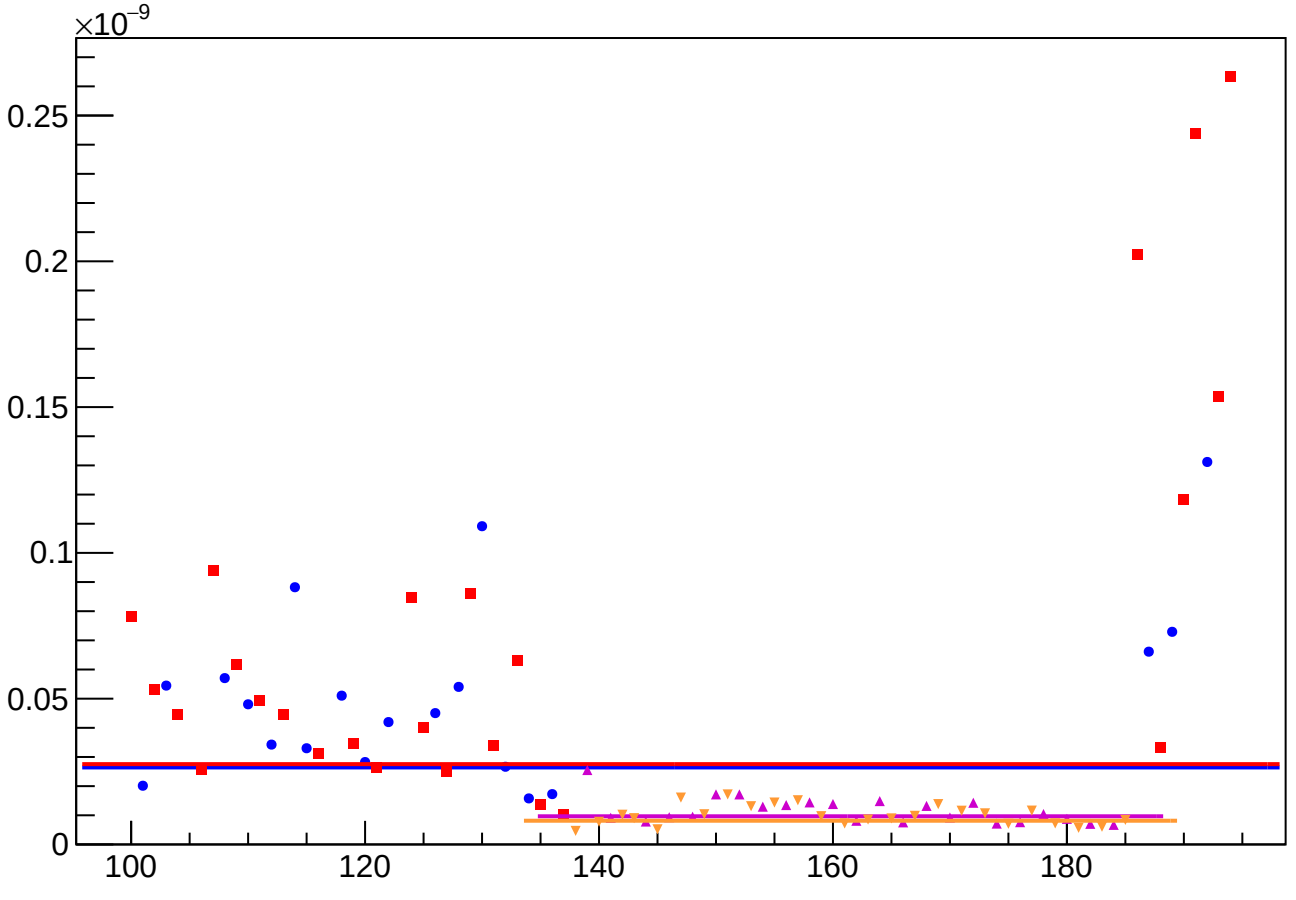
Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

Right: 0.000+/-0.000 χ^2/NDF: 49.2/43

In: -0.000+/-0.000 χ^2/NDF:58.1/41

Out: 0.000+/-0.000 χ^2/NDF:49.8/49

All: -0.000+/-0.000 χ^2/NDF: 108.9/91



Right In: 0.000+/-0.000 χ^2/NDF: 3051975.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5225911.0/24

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

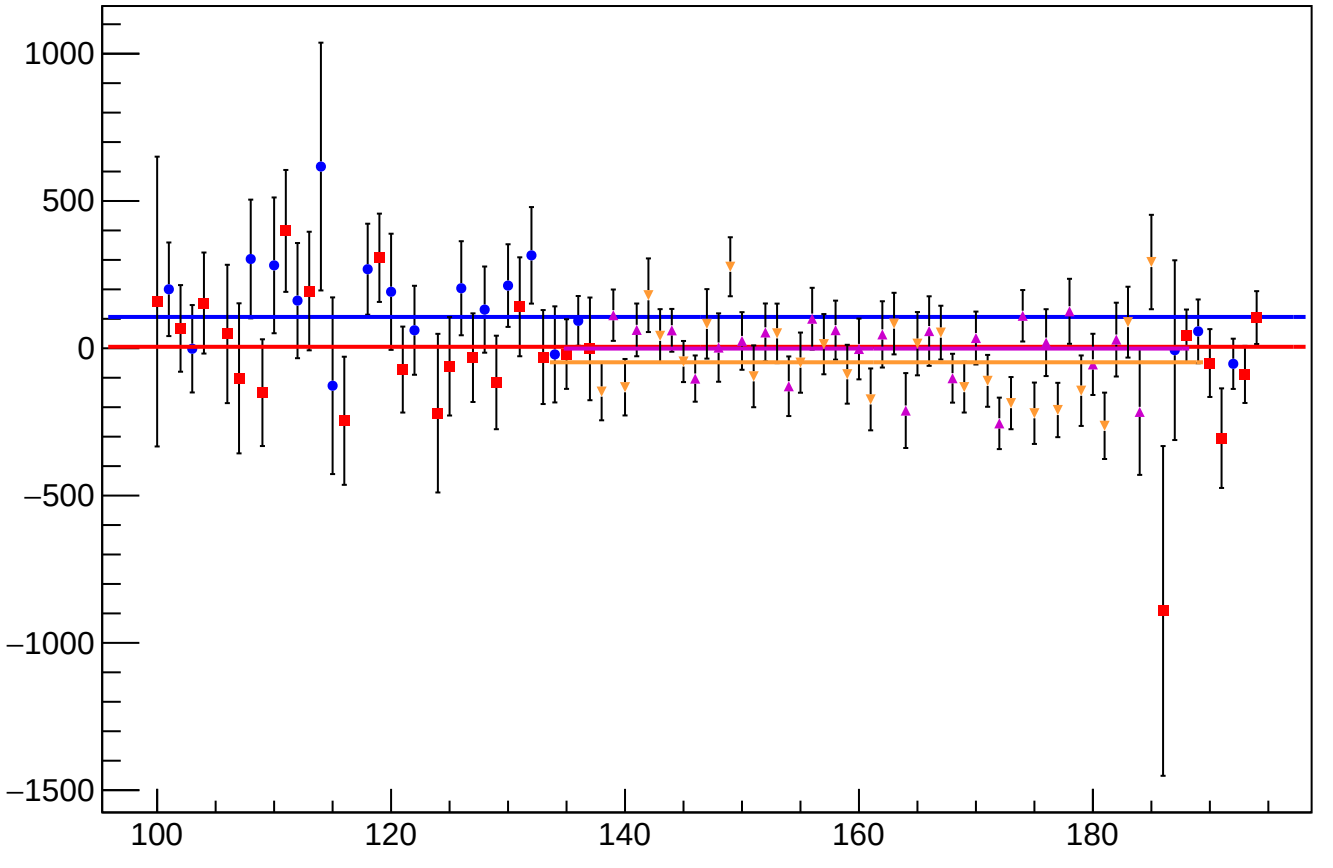
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 8284875.4/43

In: 0.000+/-0.000 χ^2/NDF:8133405.2/41

Out: 0.000+/-0.000 χ^2/NDF:11378162.8/49

All: 0.000+/-0.000 χ^2/NDF: 19886133.8/91



Right In: 106.382+/-33.933 χ^2/NDF: 13.0/18

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: 5.030+/-30.274 χ^2/NDF: 22.9/24

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

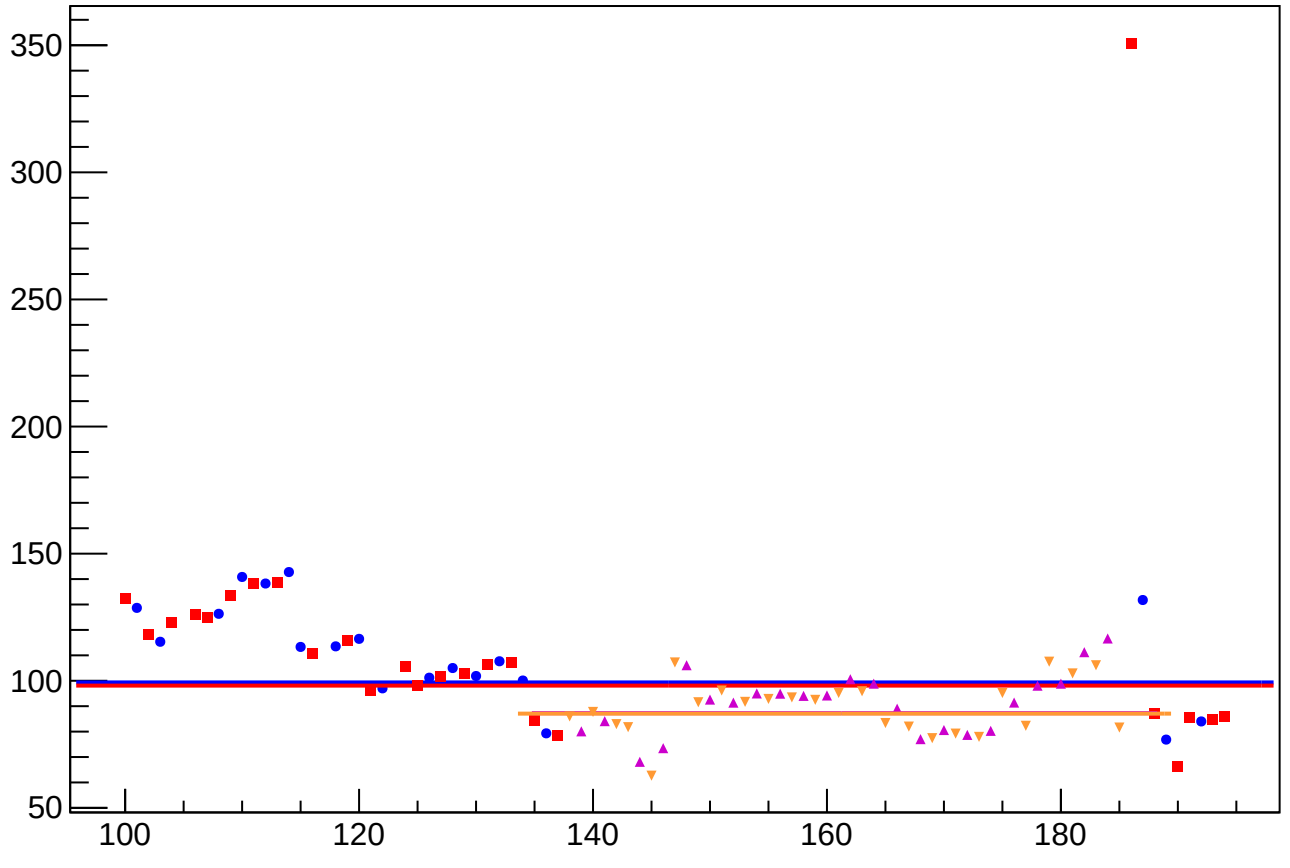
Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

Right: 49.948+/-22.590 χ^2/NDF: 40.9/43

In: 27.935+/-17.611 χ^2/NDF:45.8/41

Out: -31.575+/-16.677 χ^2/NDF:69.0/49

All: -3.440+/-12.109 χ^2/NDF: 120.8/91



Right In: 99.349+/-0.024 χ^2/NDF: 624777.6/18

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 98.095+/-0.021 χ^2/NDF: 1152658.5/24

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

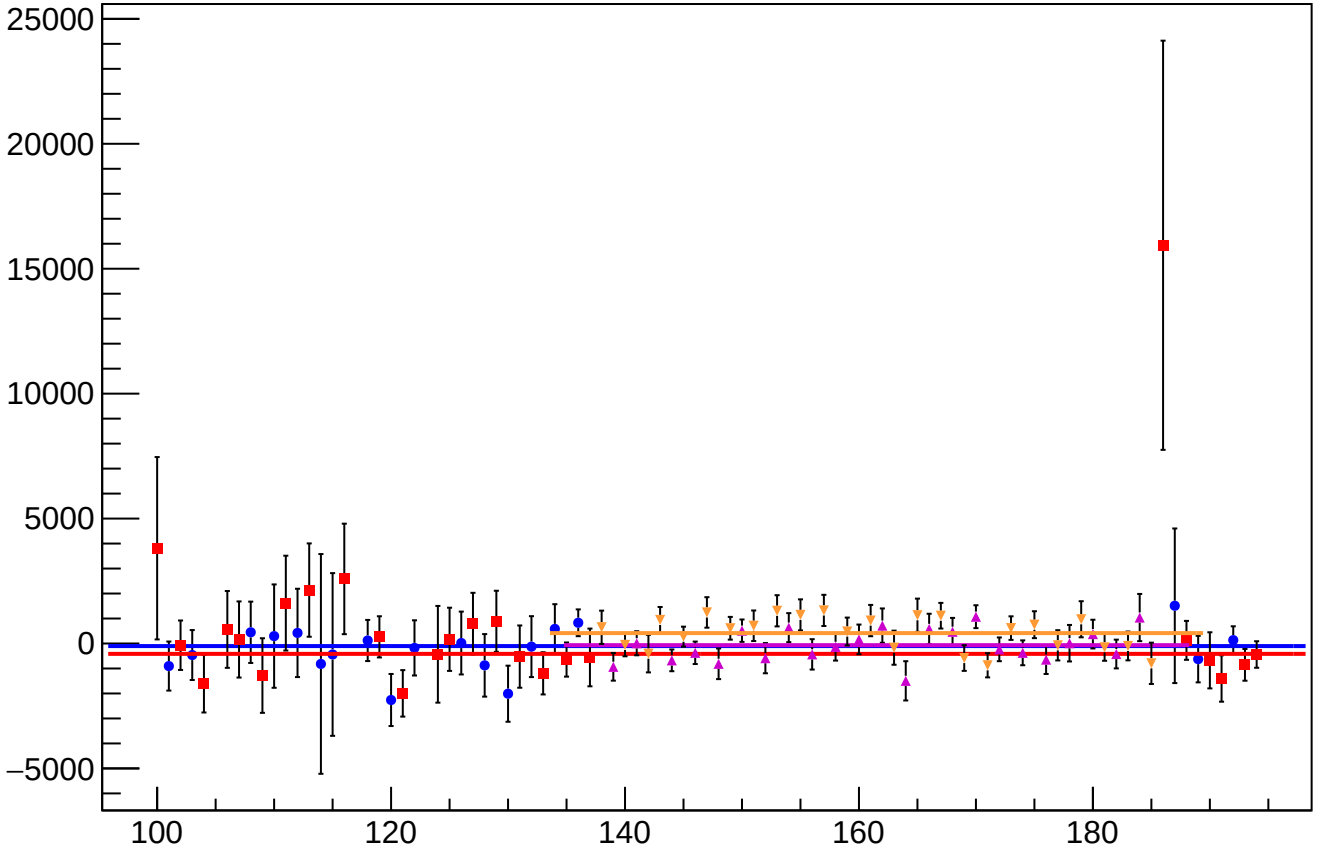
Right: 98.651+/-0.016 χ^2/NDF: 1778955.6/43

In: 90.514+/-0.012 χ^2/NDF:1406123.9/41

Out: 90.417+/-0.012 χ^2/NDF:1957980.1/49

All: 90.463+/-0.009 χ^2/NDF: 3364135.7/91

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -103.163+/-233.237 χ^2/NDF: 13.1/18

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: -414.941+/-206.931 χ^2/NDF: 21.3/24

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

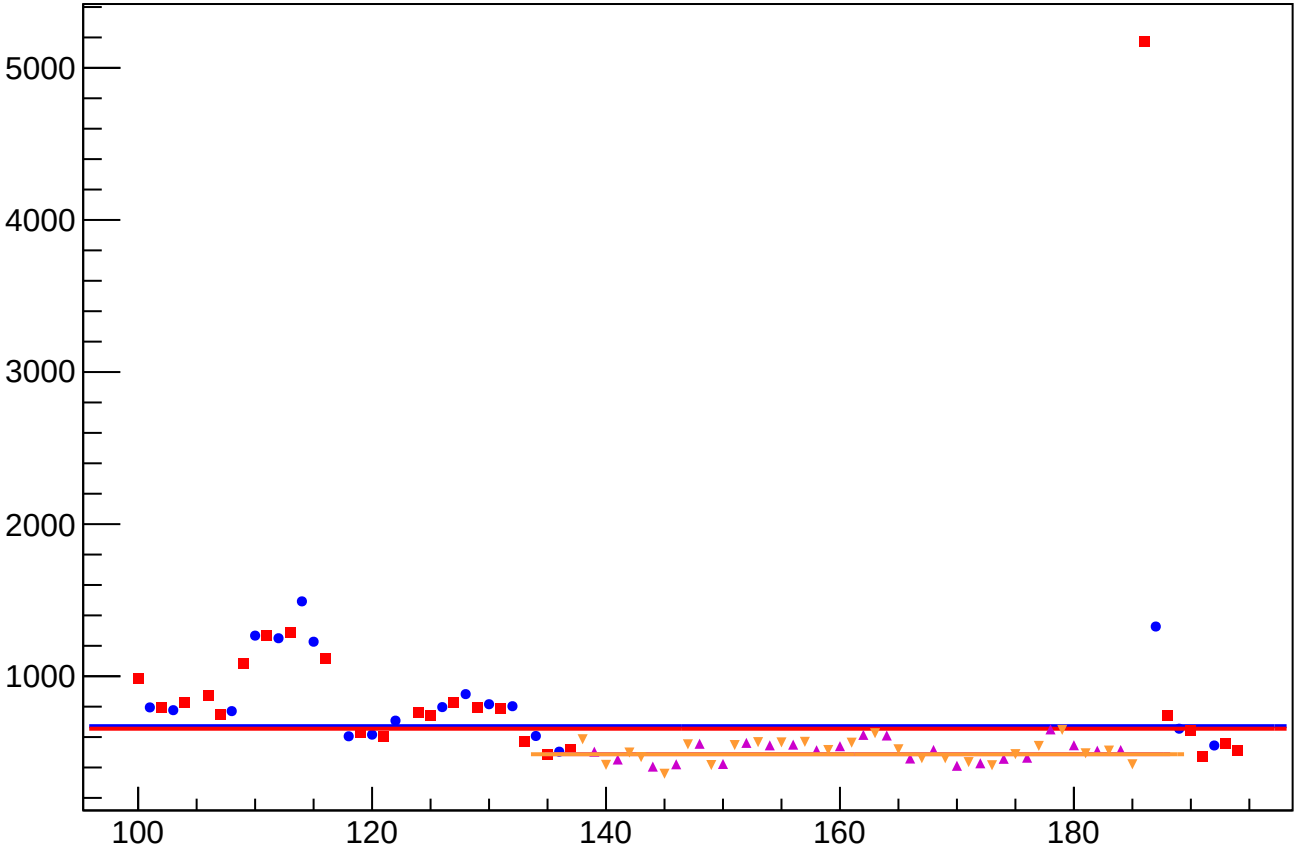
Right: -277.619+/-154.791 χ^2/NDF: 35.4/43

In: -73.853+/-103.446 χ^2/NDF:40.6/41

Out: 227.187+/-98.727 χ^2/NDF:66.2/49

All: 83.690+/-71.420 χ^2/NDF: 111.2/91

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 671.670+/-0.165 χ^2/NDF: 1127899.4/18

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 654.937+/-0.146 χ^2/NDF: 2034345.4/24

Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

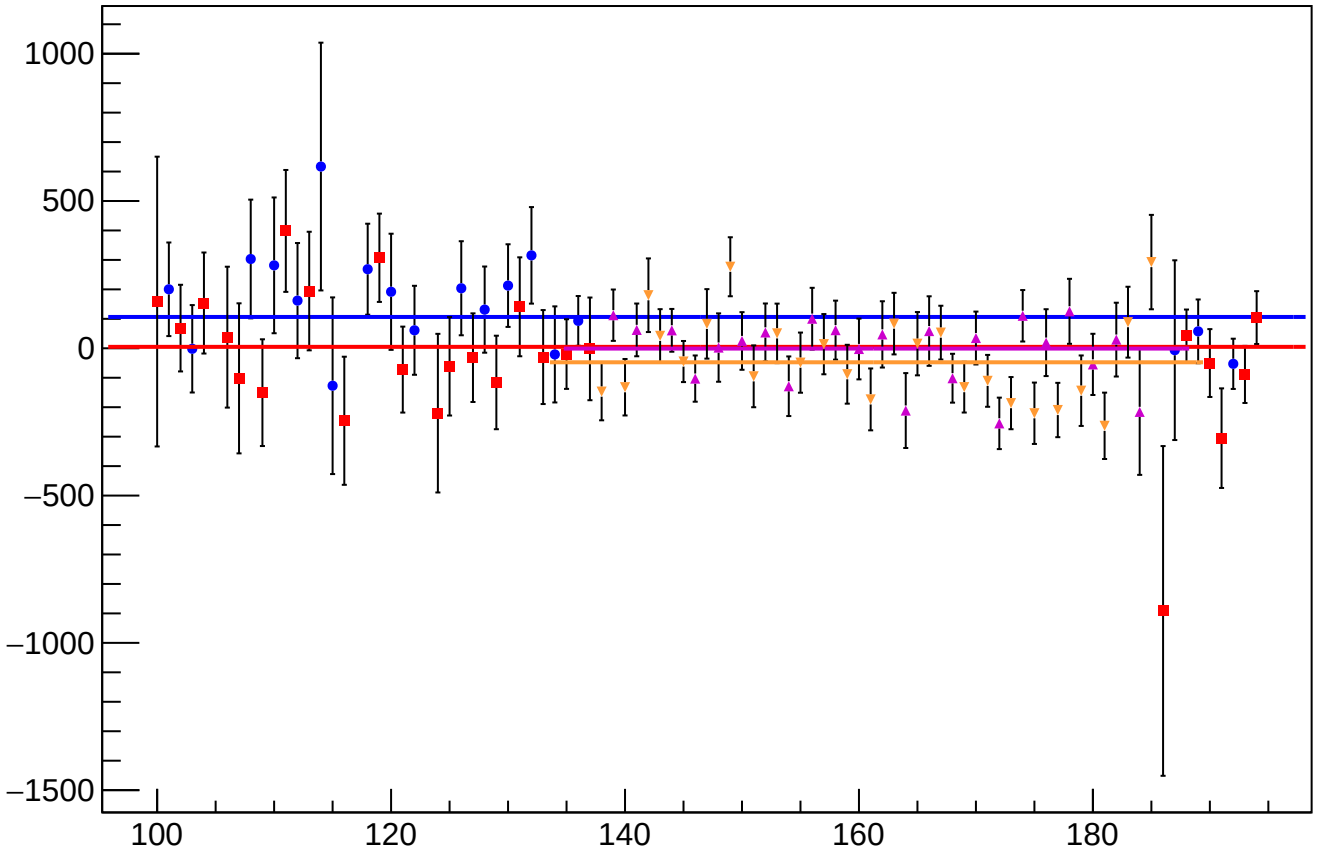
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 662.307+/-0.109 χ^2/NDF: 3168004.9/43

In: 524.074+/-0.073 χ^2/NDF:2759204.0/41

Out: 525.288+/-0.070 χ^2/NDF:3872047.5/49

All: 524.710+/-0.051 χ^2/NDF: 6631395.8/91



Right In: 106.371+/-33.933 χ^2/NDF: 13.0/18

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 4.872+/-30.283 χ^2/NDF: 22.9/24

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

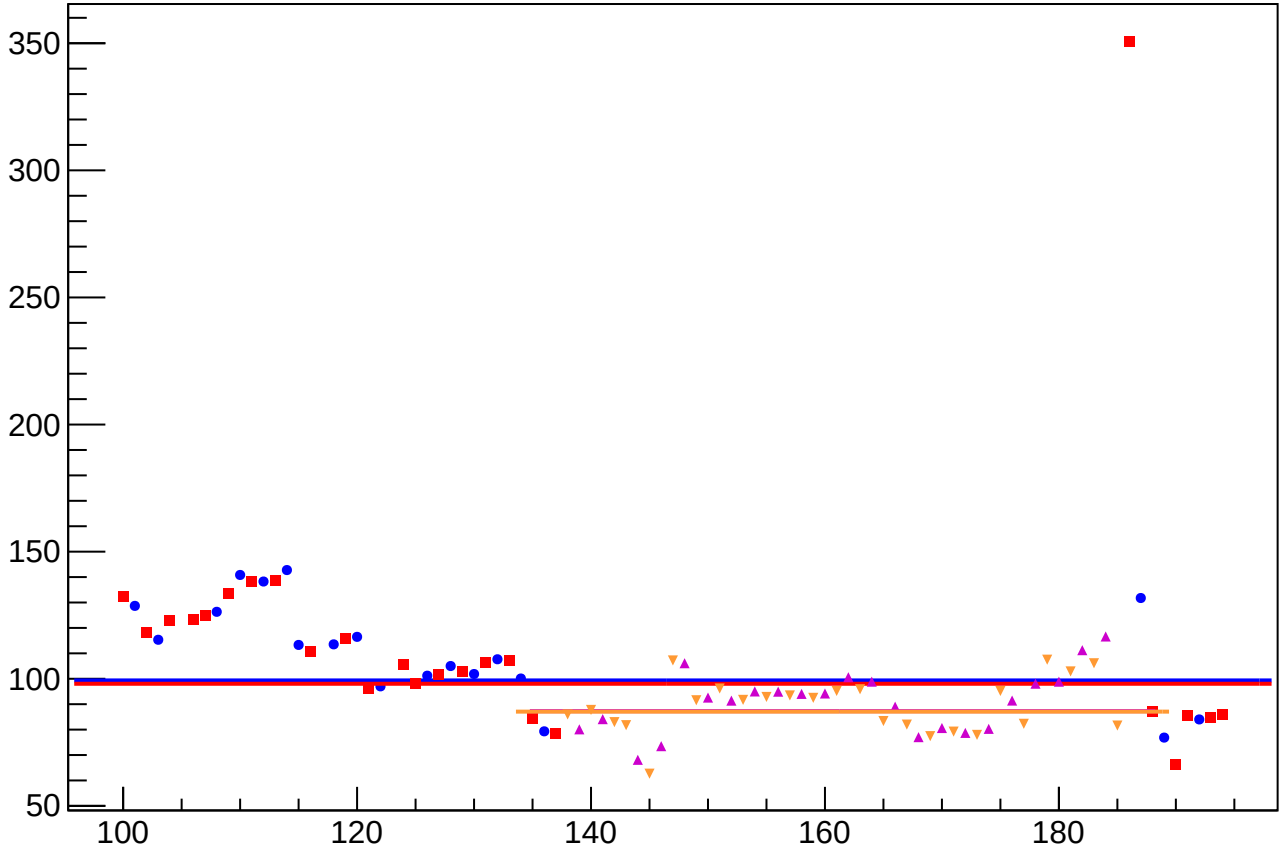
Right: 49.871+/-22.594 χ^2/NDF: 40.9/43

In: 27.930+/-17.611 χ^2/NDF:45.8/41

Out: -31.635+/-16.679 χ^2/NDF:68.9/49

All: -3.471+/-12.110 χ^2/NDF: 120.8/91

cor_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 99.349+/-0.024 χ^2/NDF: 624777.8/18

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 98.034+/-0.021 χ^2/NDF: 1146478.9/24

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

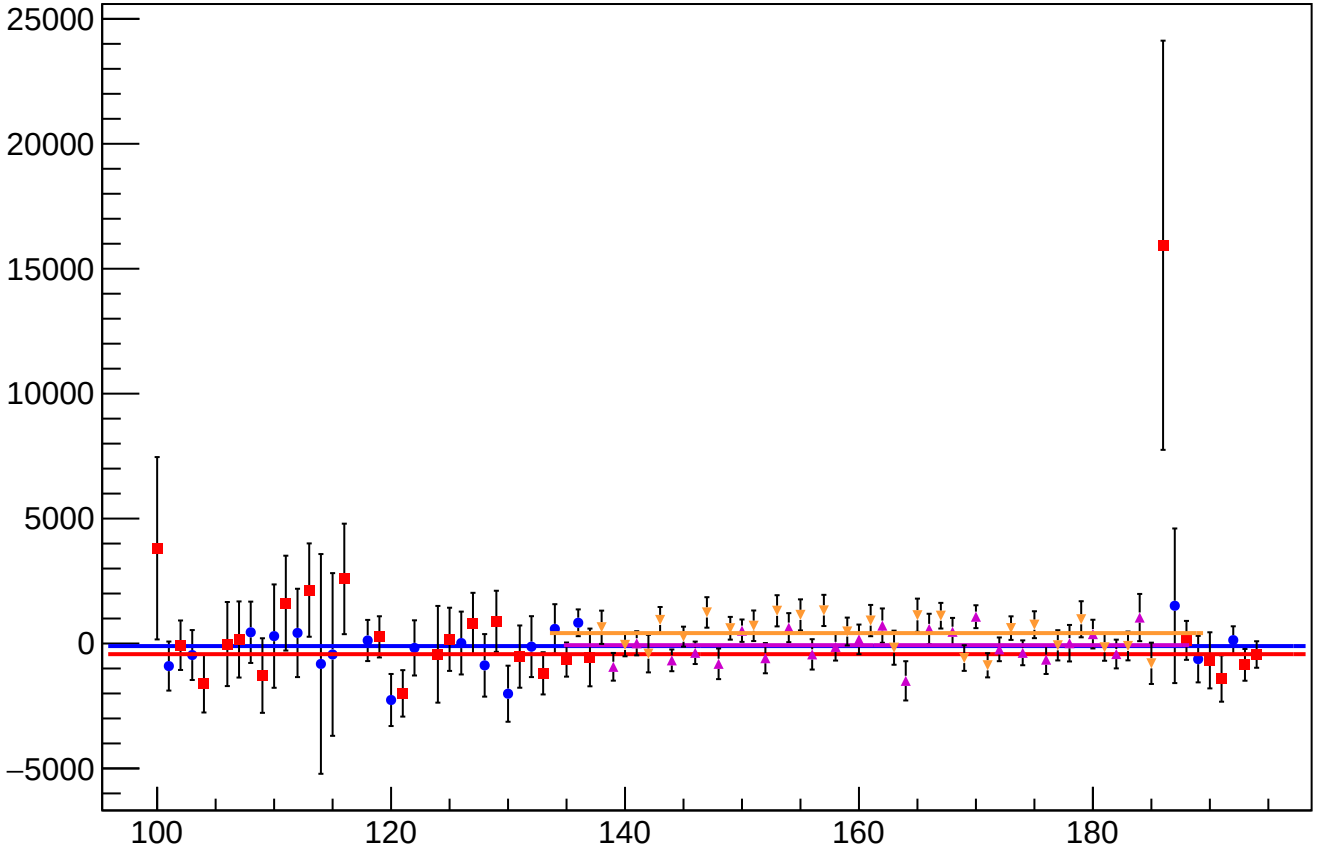
Right: 98.617+/-0.016 χ^2/NDF: 1772928.0/43

In: 90.514+/-0.012 χ^2/NDF:1406124.2/41

Out: 90.397+/-0.012 χ^2/NDF:1949673.1/49

All: 90.452+/-0.009 χ^2/NDF: 3355843.7/91

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -103.160+/-233.237 χ^2/NDF: 13.1/18

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -426.745+/-207.248 χ^2/NDF: 20.9/24

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

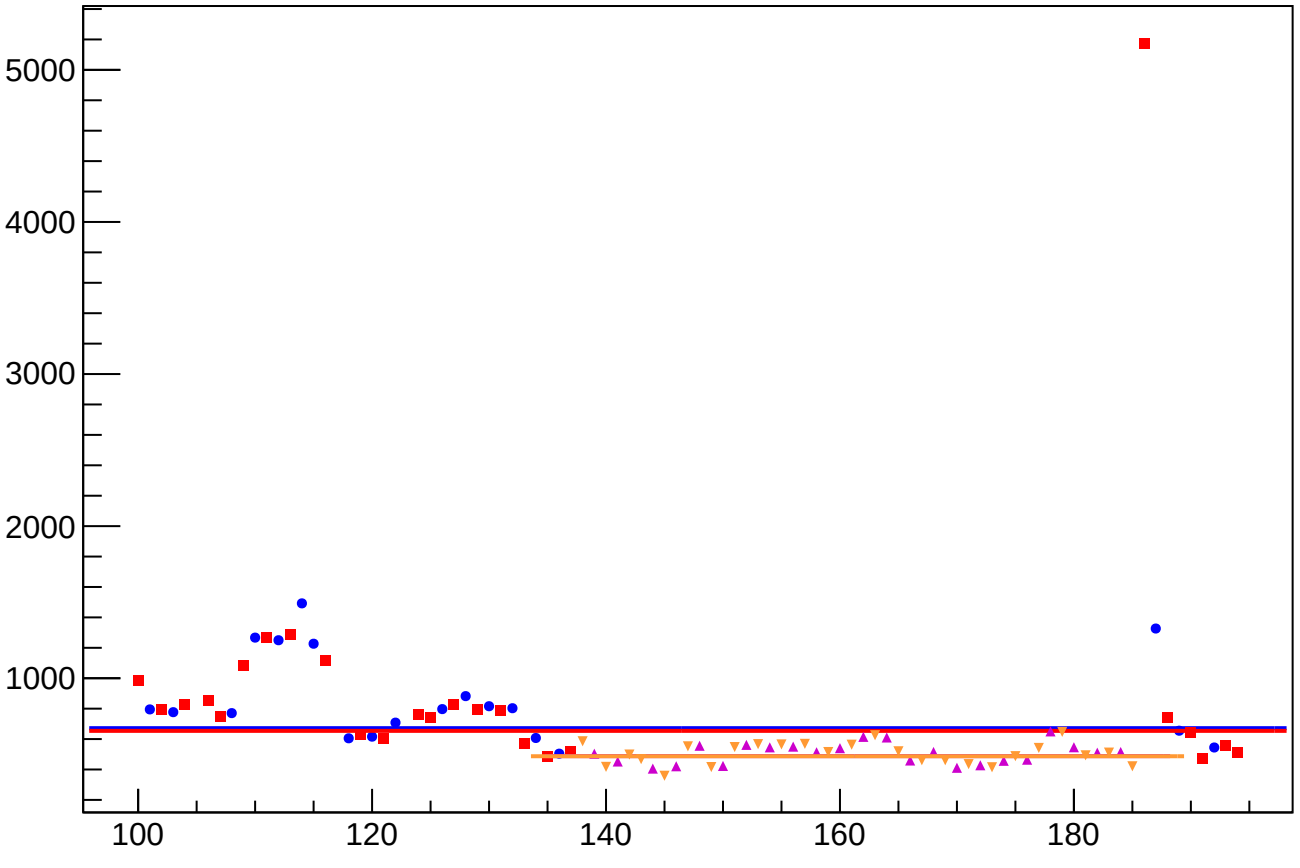
Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

Right: -283.979+/-154.923 χ^2/NDF: 35.1/43

In: -73.851+/-103.446 χ^2/NDF:40.6/41

Out: 224.946+/-98.761 χ^2/NDF:66.1/49

All: 82.467+/-71.433 χ^2/NDF: 111.1/91



Right In: 671.670+/-0.165 χ^2/NDF: 1127909.6/18

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 653.981+/-0.147 χ^2/NDF: 2021791.2/24

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

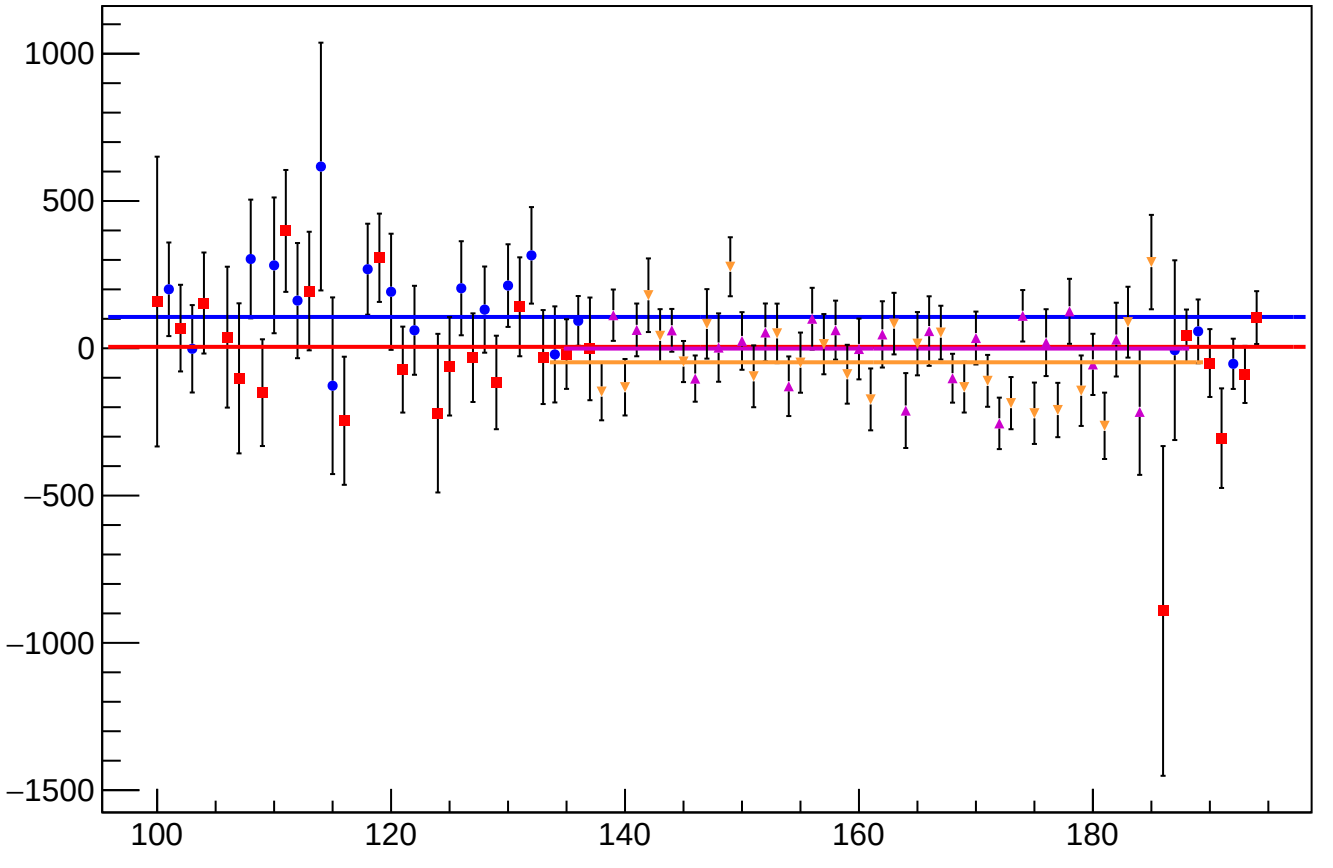
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 661.785+/-0.110 χ^2/NDF: 3156129.1/43

In: 524.074+/-0.073 χ^2/NDF:2759220.8/41

Out: 524.982+/-0.070 χ^2/NDF:3845578.8/49

All: 524.549+/-0.051 χ^2/NDF: 6604880.2/91



Right In: 106.371+/-33.933 χ^2/NDF: 13.0/18

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 4.872+/-30.283 χ^2/NDF: 22.9/24

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

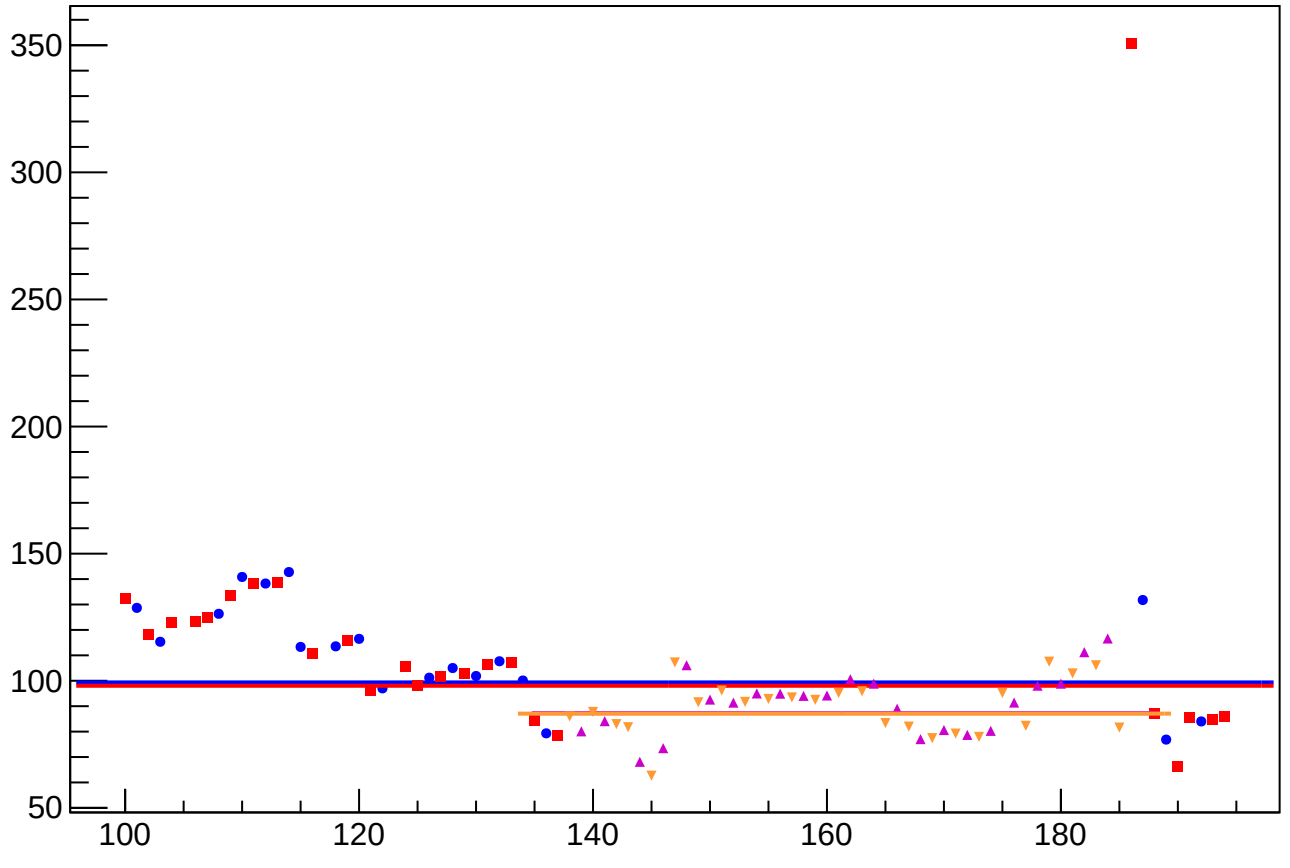
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 49.871+/-22.594 χ^2/NDF: 40.9/43

In: 27.930+/-17.611 χ^2/NDF:45.8/41

Out: -31.635+/-16.679 χ^2/NDF:68.9/49

All: -3.471+/-12.110 χ^2/NDF: 120.8/91



Right In: 99.349+/-0.024 χ^2/NDF: 624777.8/18

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 98.034+/-0.021 χ^2/NDF: 1146478.9/24

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

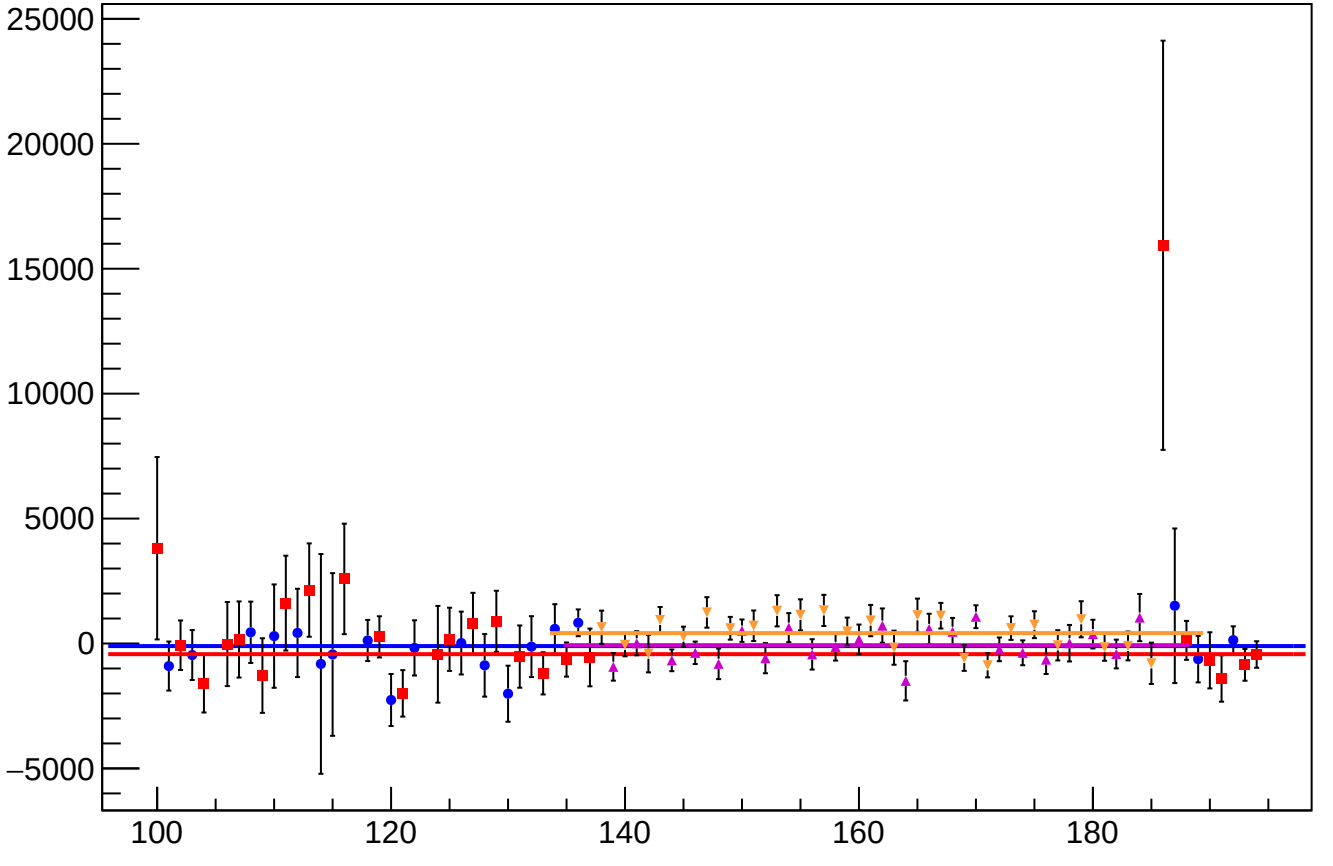
Right: 98.617+/-0.016 χ^2/NDF: 1772928.0/43

In: 90.514+/-0.012 χ^2/NDF:1406124.2/41

Out: 90.397+/-0.012 χ^2/NDF:1949673.1/49

All: 90.452+/-0.009 χ^2/NDF: 3355843.7/91

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -103.160+/-233.237 χ^2/NDF: 13.1/18

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -426.745+/-207.248 χ^2/NDF: 20.9/24

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

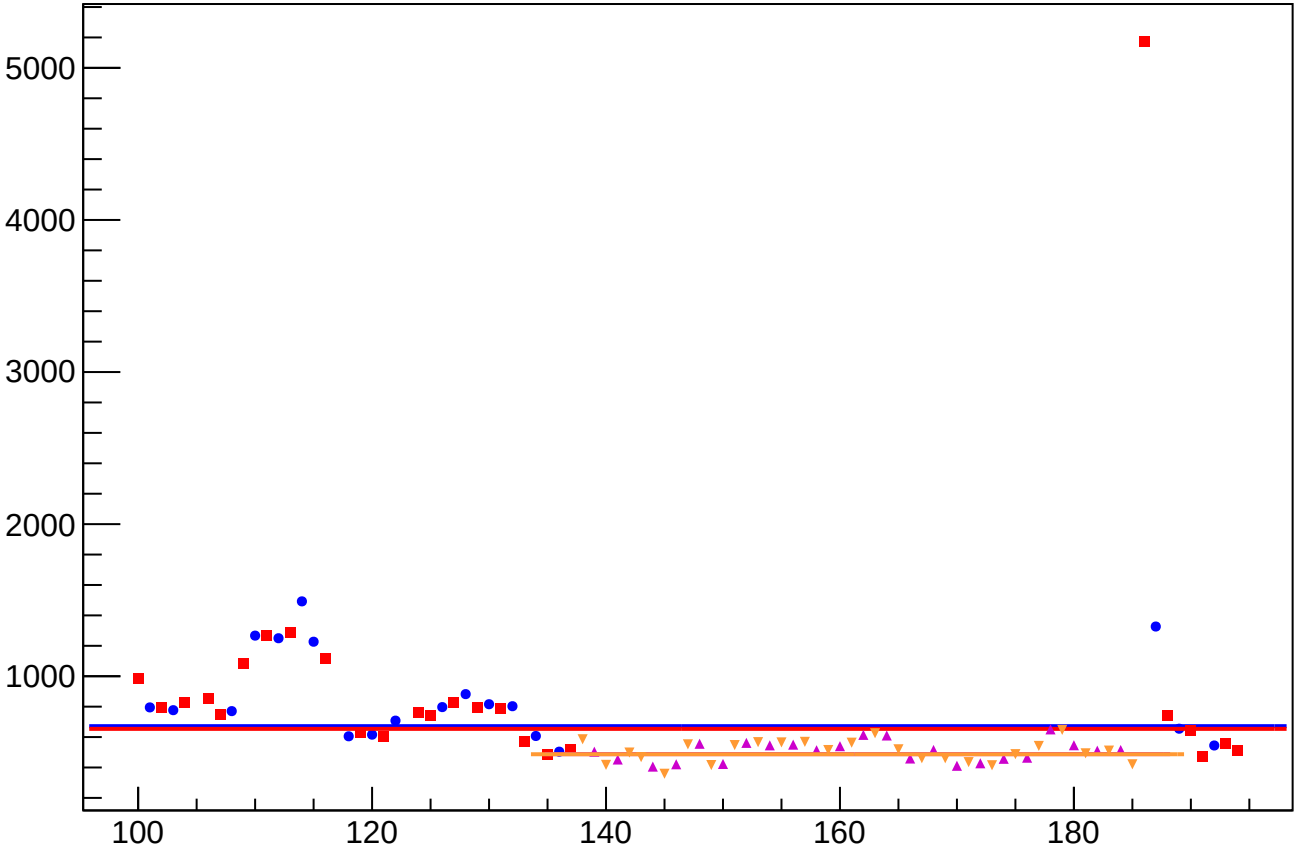
Right: -283.979+/-154.923 χ^2/NDF: 35.1/43

In: -73.851+/-103.446 χ^2/NDF:40.6/41

Out: 224.946+/-98.761 χ^2/NDF:66.1/49

All: 82.467+/-71.433 χ^2/NDF: 111.1/91

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 671.670+/-0.165 χ^2/NDF: 1127909.6/18

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 653.981+/-0.147 χ^2/NDF: 2021791.2/24

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

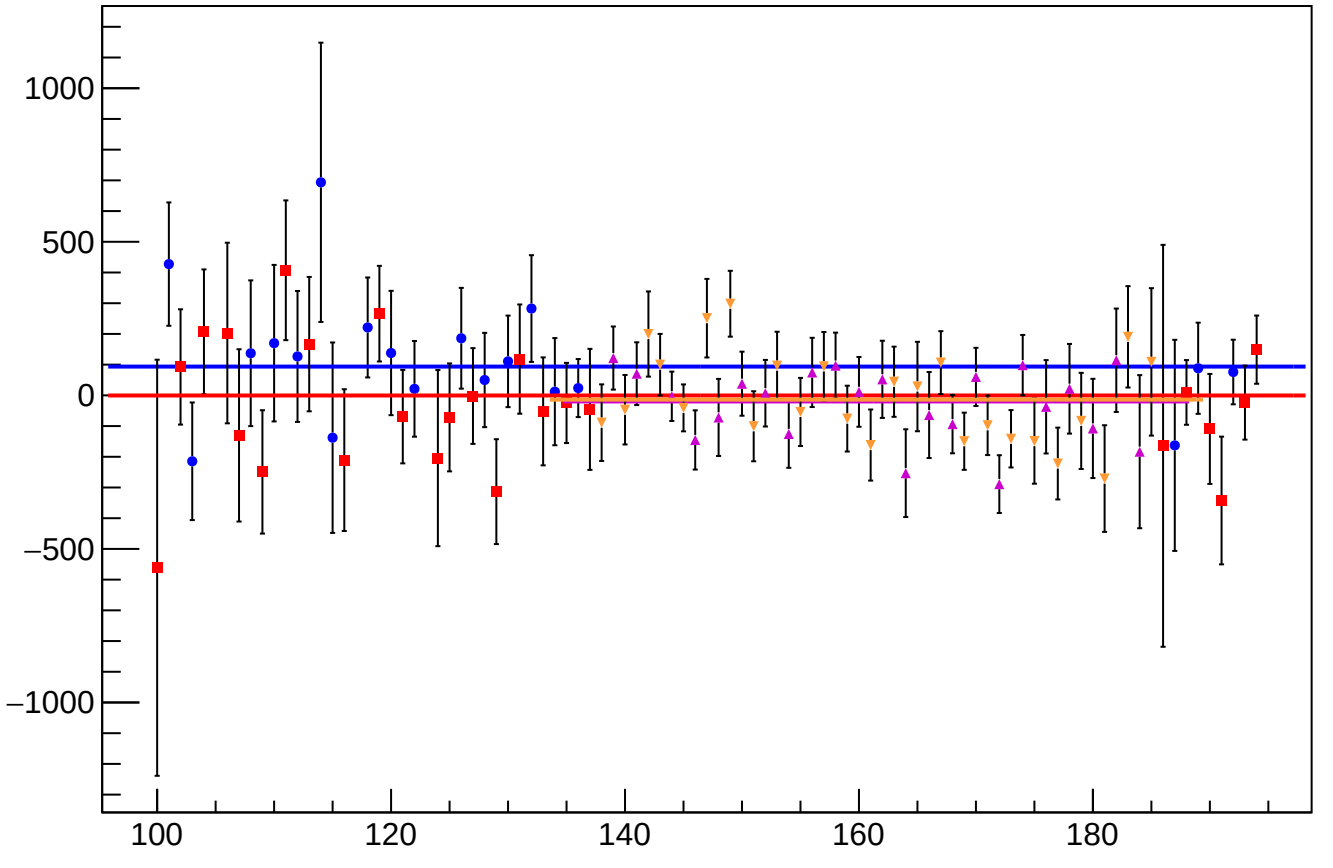
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 661.785+/-0.110 χ^2/NDF: 3156129.1/43

In: 524.074+/-0.073 χ^2/NDF:2759220.8/41

Out: 524.982+/-0.070 χ^2/NDF:3845578.8/49

All: 524.549+/-0.051 χ^2/NDF: 6604880.2/91



Right In: 93.674+/-38.561 χ^2/NDF: 11.6/18

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: -0.443+/-35.080 χ^2/NDF: 21.6/24

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

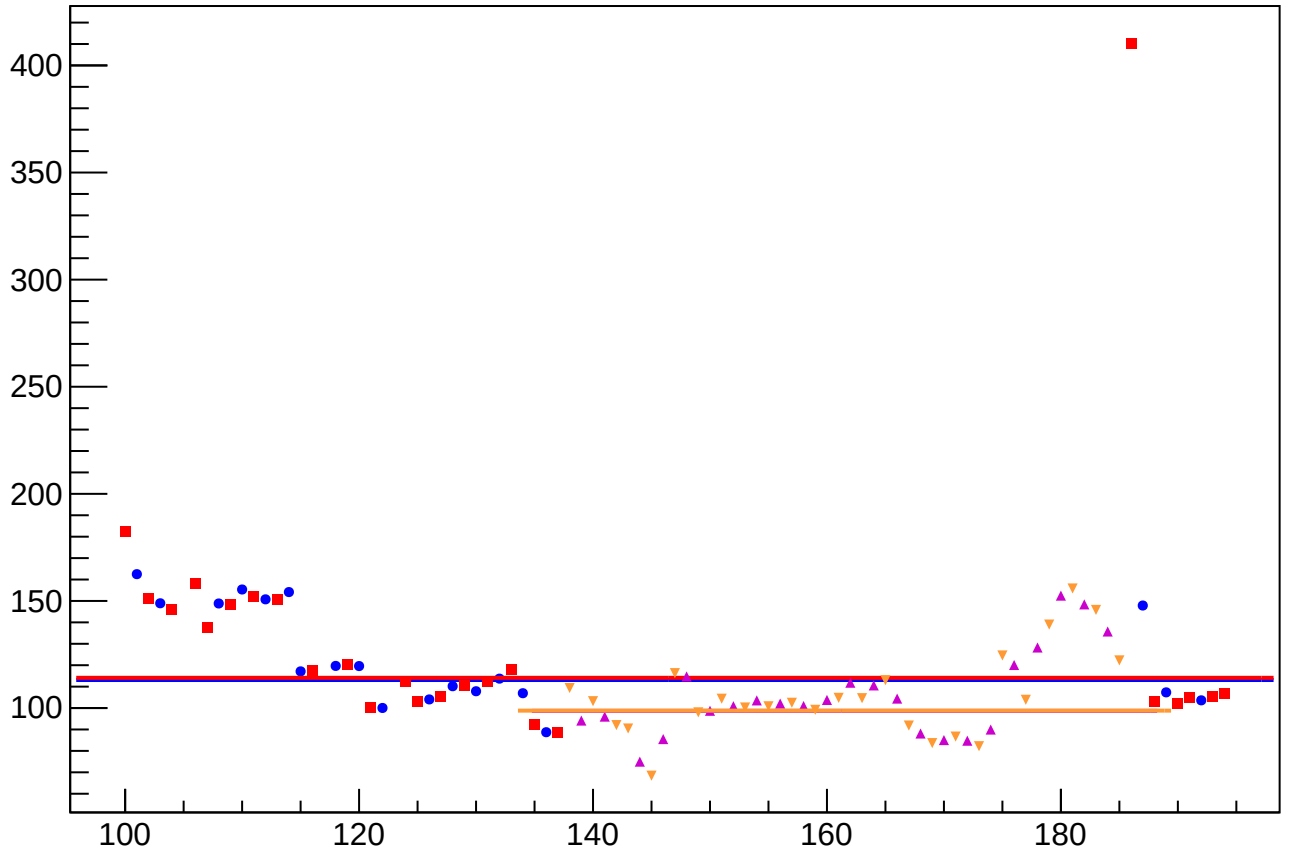
Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

Right: 42.176+/-25.949 χ^2/NDF: 36.5/43

In: 11.062+/-20.111 χ^2/NDF:41.2/41

Out: -9.878+/-19.185 χ^2/NDF:58.1/49

All: 0.099+/-13.882 χ^2/NDF: 99.9/91



Right In: 113.093+/-0.027 χ^2/NDF: 574318.8/18

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 114.117+/-0.025 χ^2/NDF: 965637.0/24

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

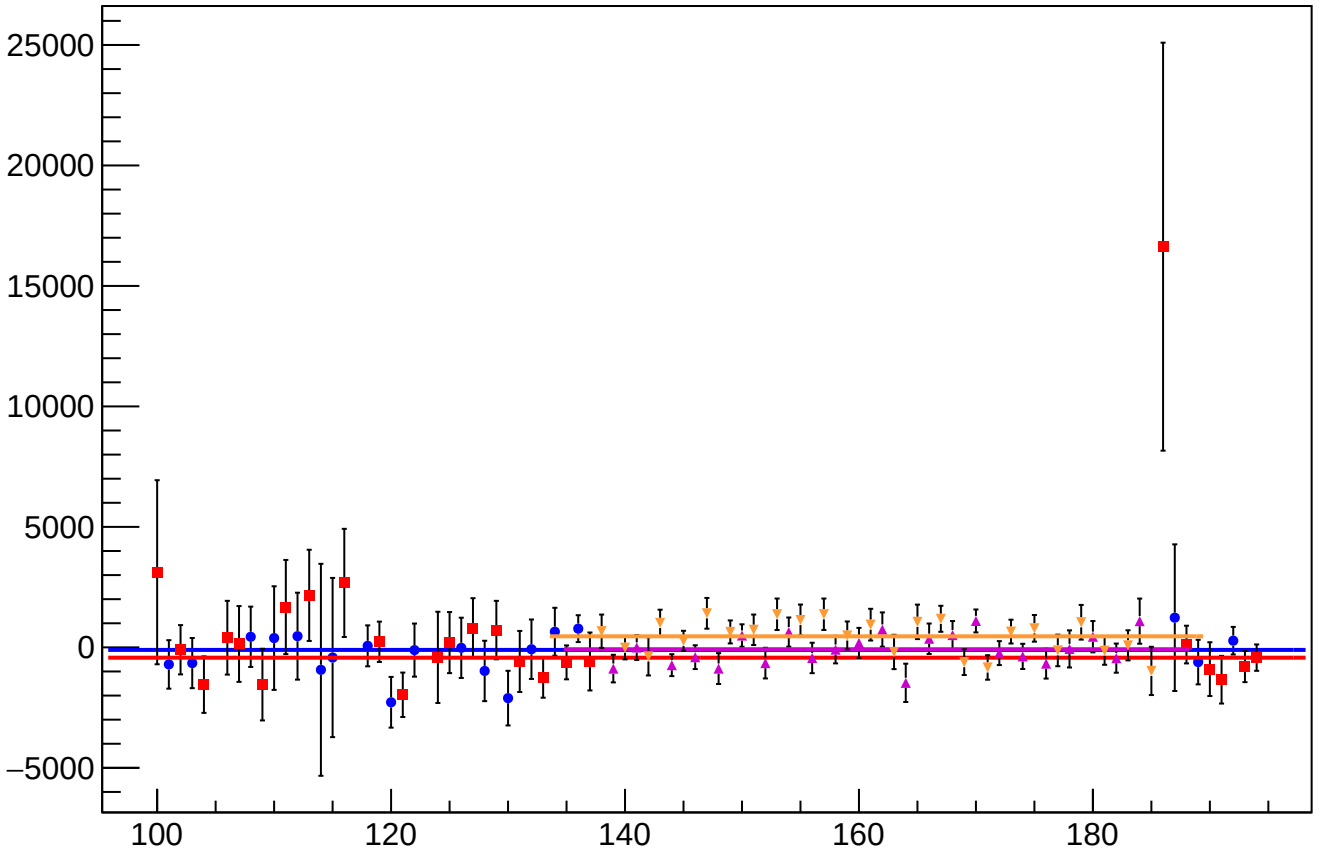
Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

Right: 113.653+/-0.018 χ^2/NDF: 1540727.7/43

In: 102.595+/-0.014 χ^2/NDF:1765743.4/41

Out: 103.381+/-0.014 χ^2/NDF:2418743.3/49

All: 103.006+/-0.010 χ^2/NDF: 4186083.2/91



Right In: -105.263+/-238.479 χ^2/NDF: 12.9/18

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: -427.922+/-210.505 χ^2/NDF: 20.3/24

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

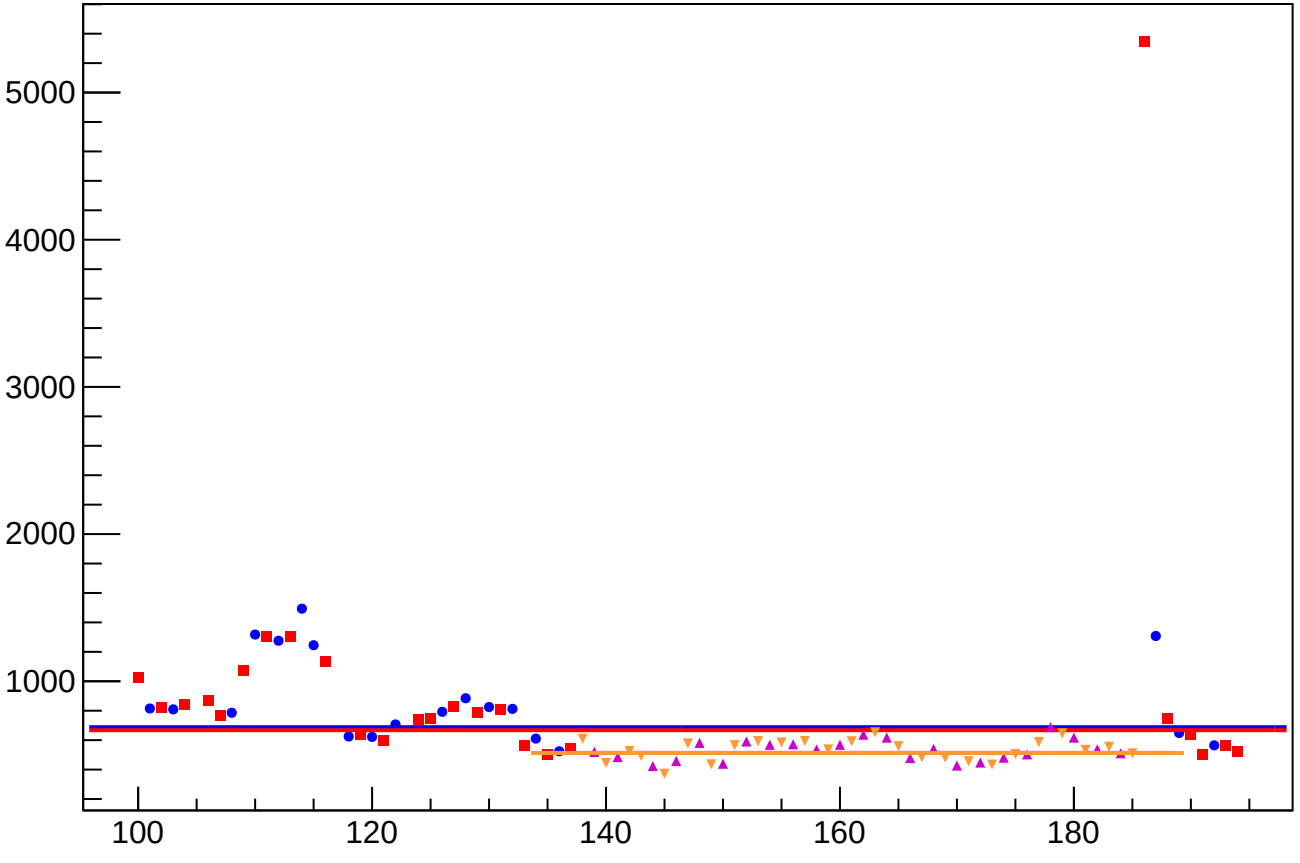
Right: -286.618+/-157.817 χ^2/NDF: 34.3/43

In: -84.242+/-108.214 χ^2/NDF:39.2/41

Out: 246.708+/-103.005 χ^2/NDF:64.6/49

All: 89.390+/-74.609 χ^2/NDF: 108.7/91

asym_sam_26_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 688.006+/-0.169 χ^2/NDF: 1073824.4/18

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 667.659+/-0.149 χ^2/NDF: 1968889.8/24

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

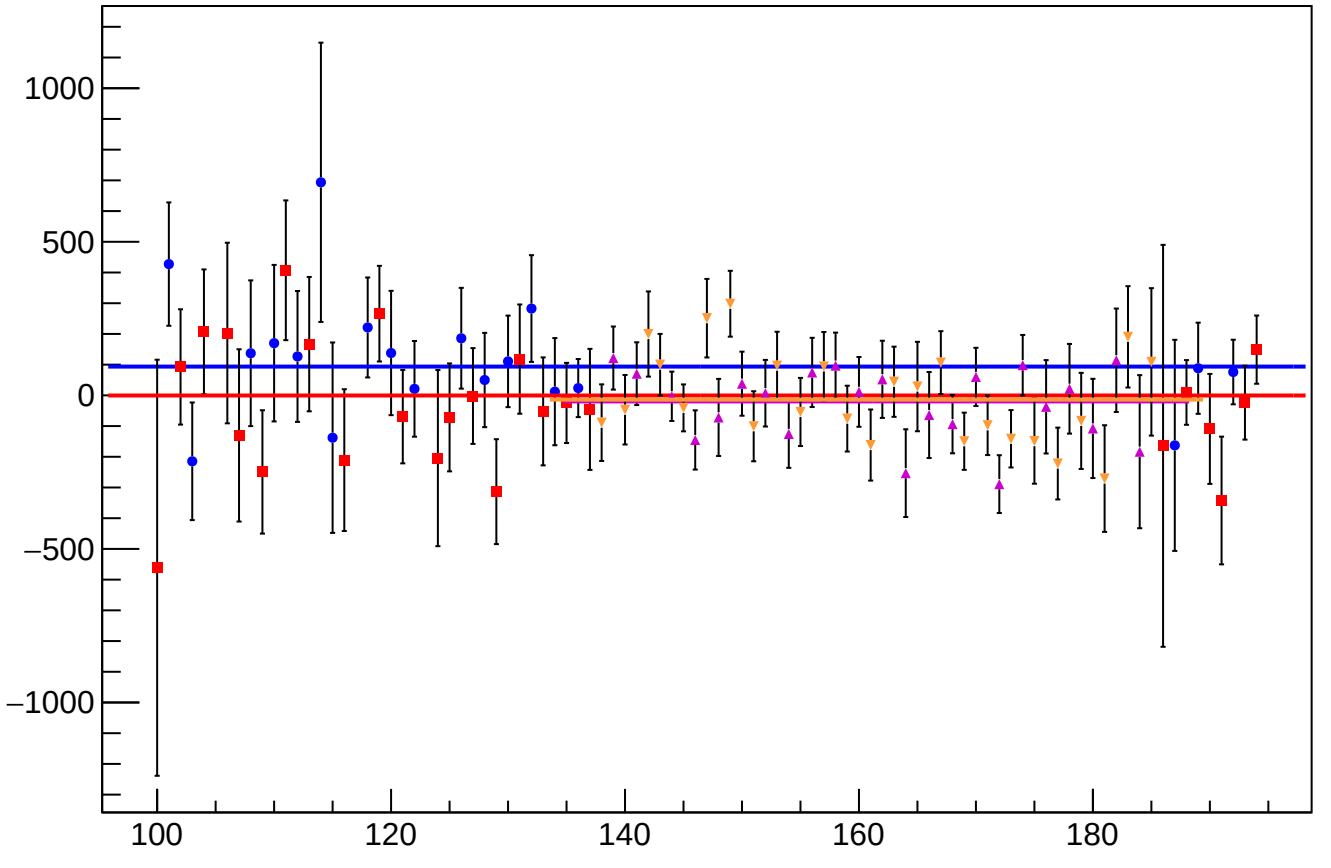
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 676.570+/-0.112 χ^2/NDF: 3050897.4/43

In: 549.332+/-0.077 χ^2/NDF:2559447.9/41

Out: 549.855+/-0.073 χ^2/NDF:3591679.9/49

All: 549.607+/-0.053 χ^2/NDF: 6151152.4/91



Right In: 93.673+/-38.561 χ^2/NDF: 11.6/18

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: -0.443+/-35.080 χ^2/NDF: 21.6/24

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

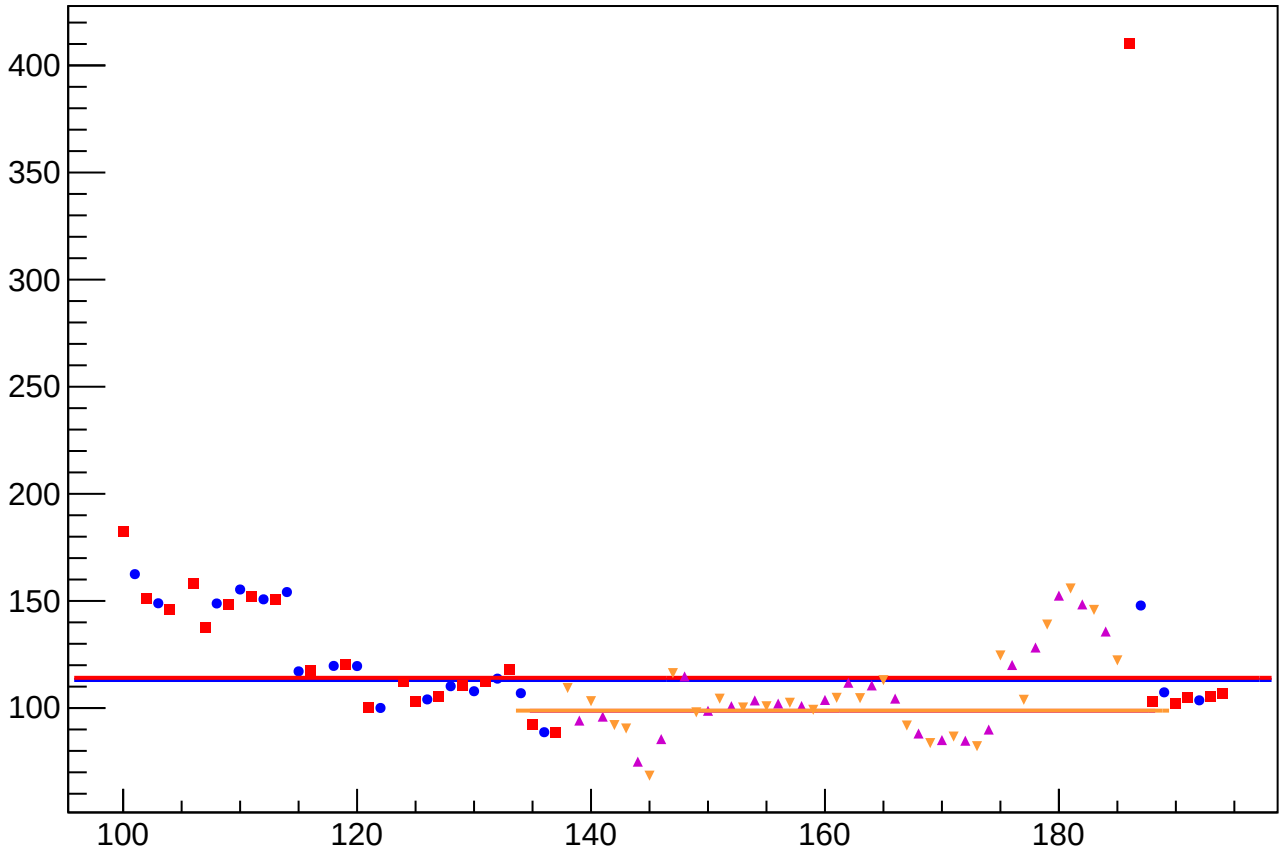
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 42.175+/-25.949 χ^2/NDF: 36.5/43

In: 11.062+/-20.111 χ^2/NDF:41.2/41

Out: -9.879+/-19.185 χ^2/NDF:58.1/49

All: 0.098+/-13.882 χ^2/NDF: 99.9/91



Right In: 113.093+/-0.027 χ^2/NDF: 574302.2/18

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

Right Out: 114.117+/-0.025 χ^2/NDF: 965622.1/24

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

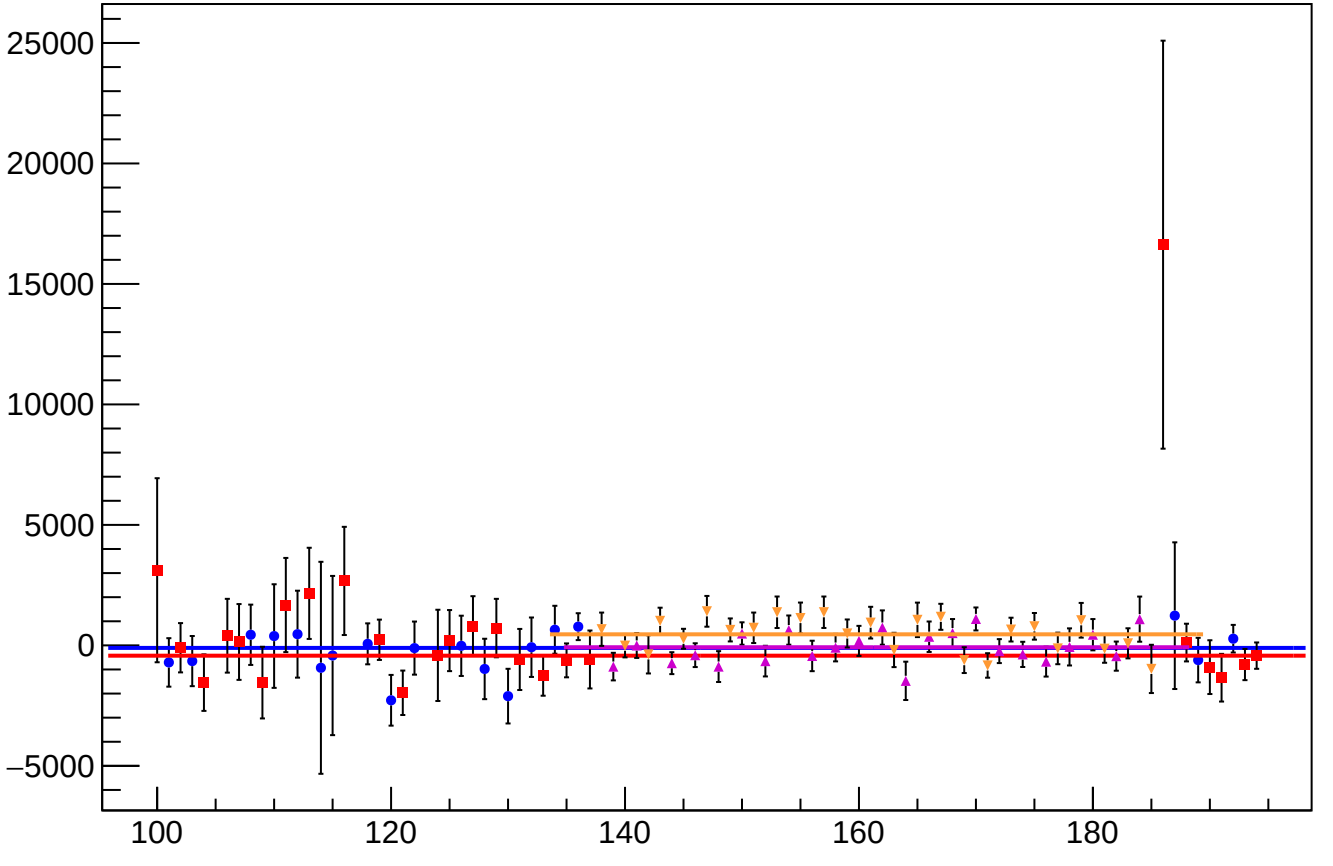
Right: 113.654+/-0.018 χ^2/NDF: 1540696.0/43

In: 102.595+/-0.014 χ^2/NDF:1765725.4/41

Out: 103.381+/-0.014 χ^2/NDF:2418738.0/49

All: 103.006+/-0.010 χ^2/NDF: 4186059.6/91

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -105.265+/-238.479 χ^2/NDF: 12.9/18

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

Right Out: -427.921+/-210.504 χ^2/NDF: 20.3/24

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

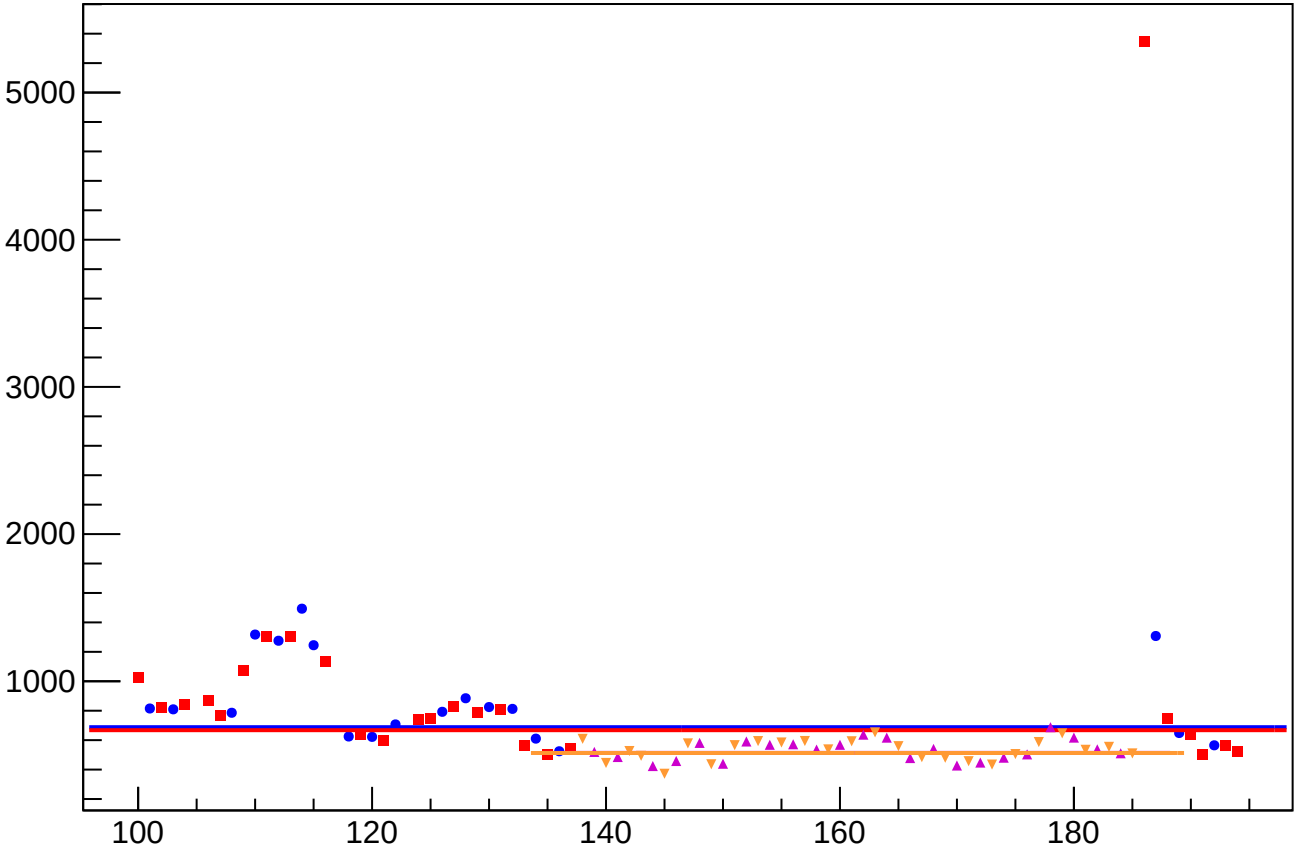
Right: -286.618+/-157.817 χ^2/NDF: 34.3/43

In: -84.242+/-108.214 χ^2/NDF:39.2/41

Out: 246.707+/-103.005 χ^2/NDF:64.6/49

All: 89.390+/-74.609 χ^2/NDF: 108.7/91

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 688.005+/-0.169 χ^2/NDF: 1073822.7/18

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 667.658+/-0.149 χ^2/NDF: 1968886.3/24

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

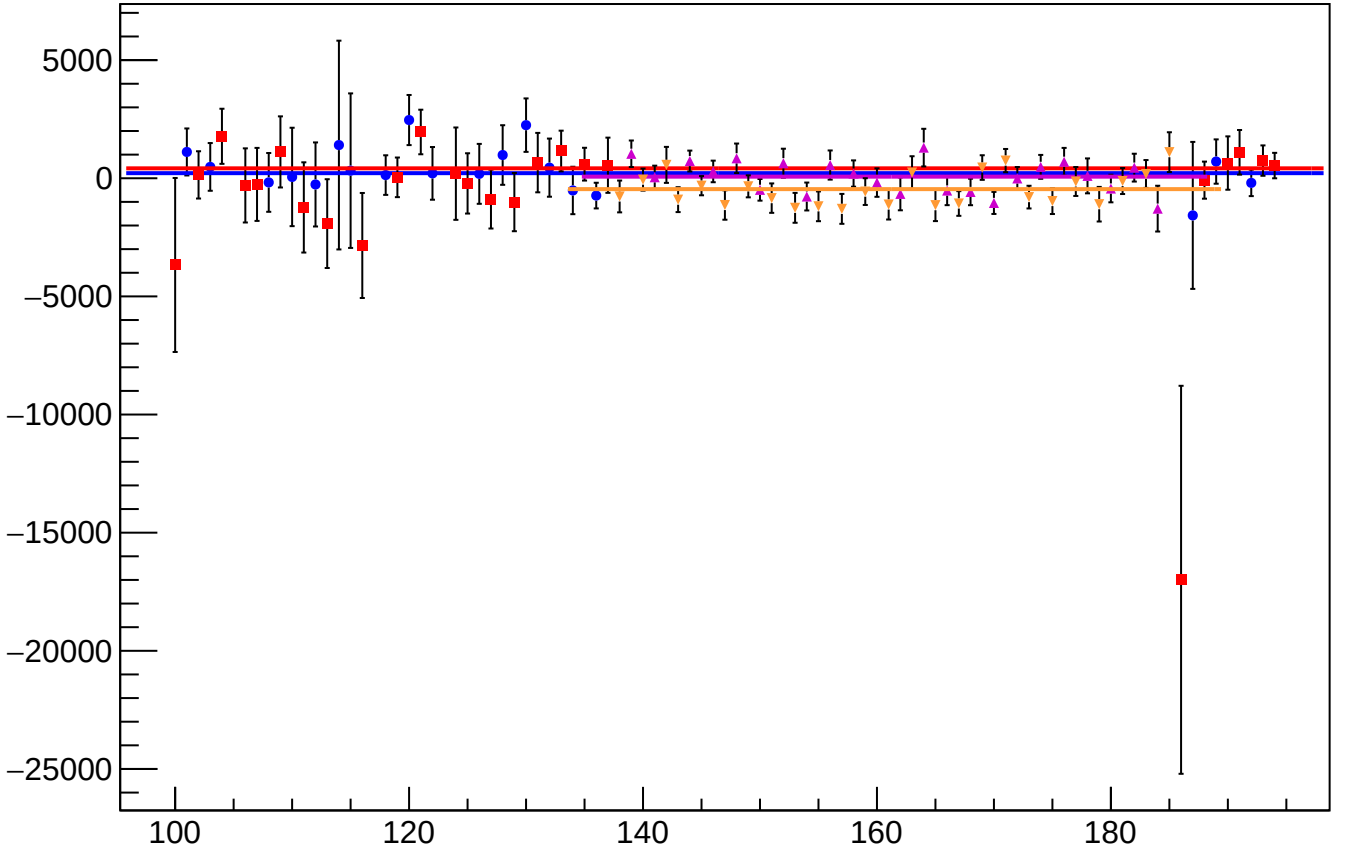
Right: 676.569+/-0.112 χ^2/NDF: 3050892.7/43

In: 549.332+/-0.077 χ^2/NDF:2559439.7/41

Out: 549.855+/-0.073 χ^2/NDF:3591668.7/49

All: 549.606+/-0.053 χ^2/NDF: 6151132.9/91

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 215.589+/-236.031 χ^2/NDF: 14.0/18

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: 419.774+/-209.531 χ^2/NDF: 19.9/24

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

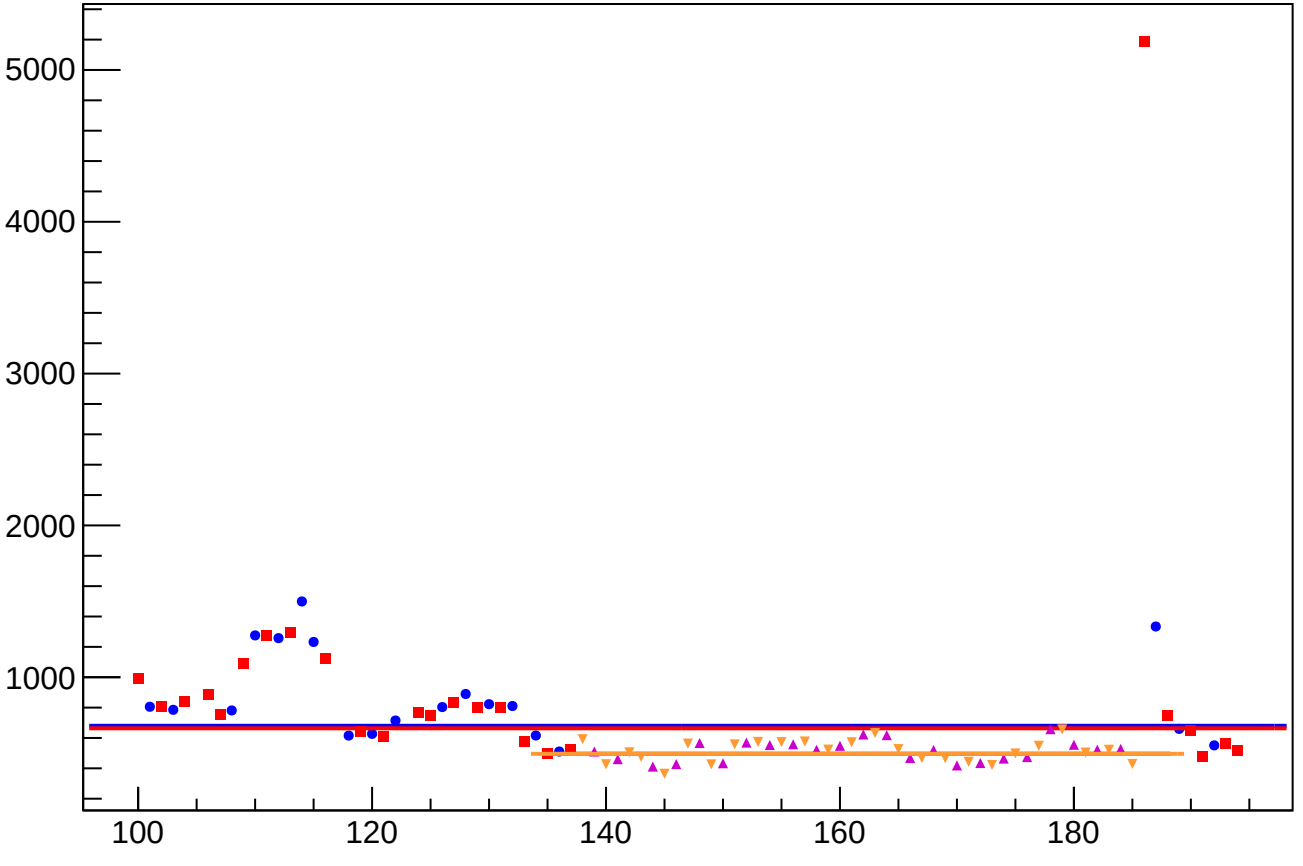
Right: 329.783+/-156.696 χ^2/NDF: 34.3/43

In: 97.292+/-105.091 χ^2/NDF:42.9/41

Out: -258.317+/-100.296 χ^2/NDF:64.3/49

All: -88.810+/-72.556 χ^2/NDF: 113.2/91

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 680.119+/-0.167 χ^2/NDF: 1111835.3/18

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

Right Out: 663.646+/-0.148 χ^2/NDF: 2008678.8/24

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

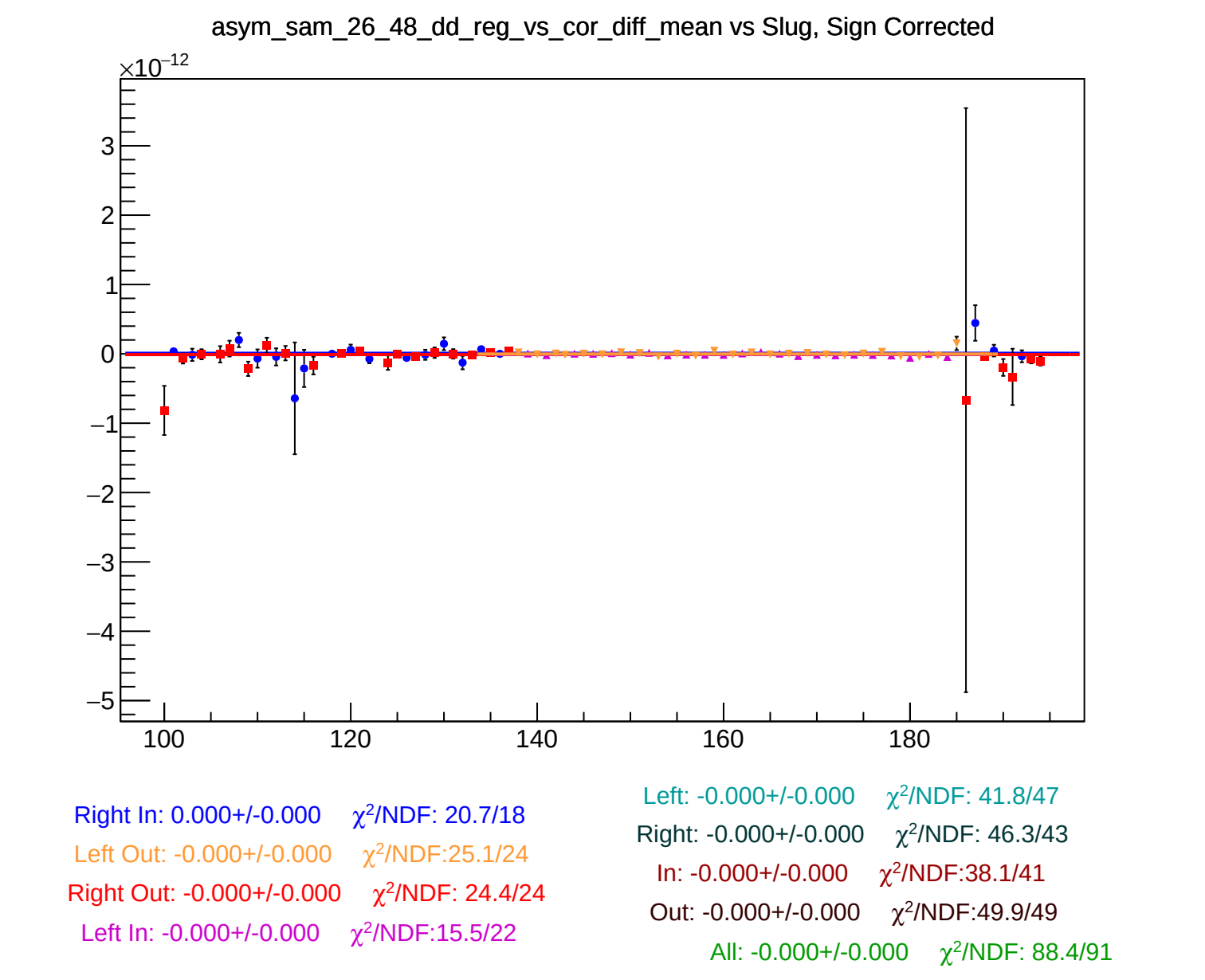
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

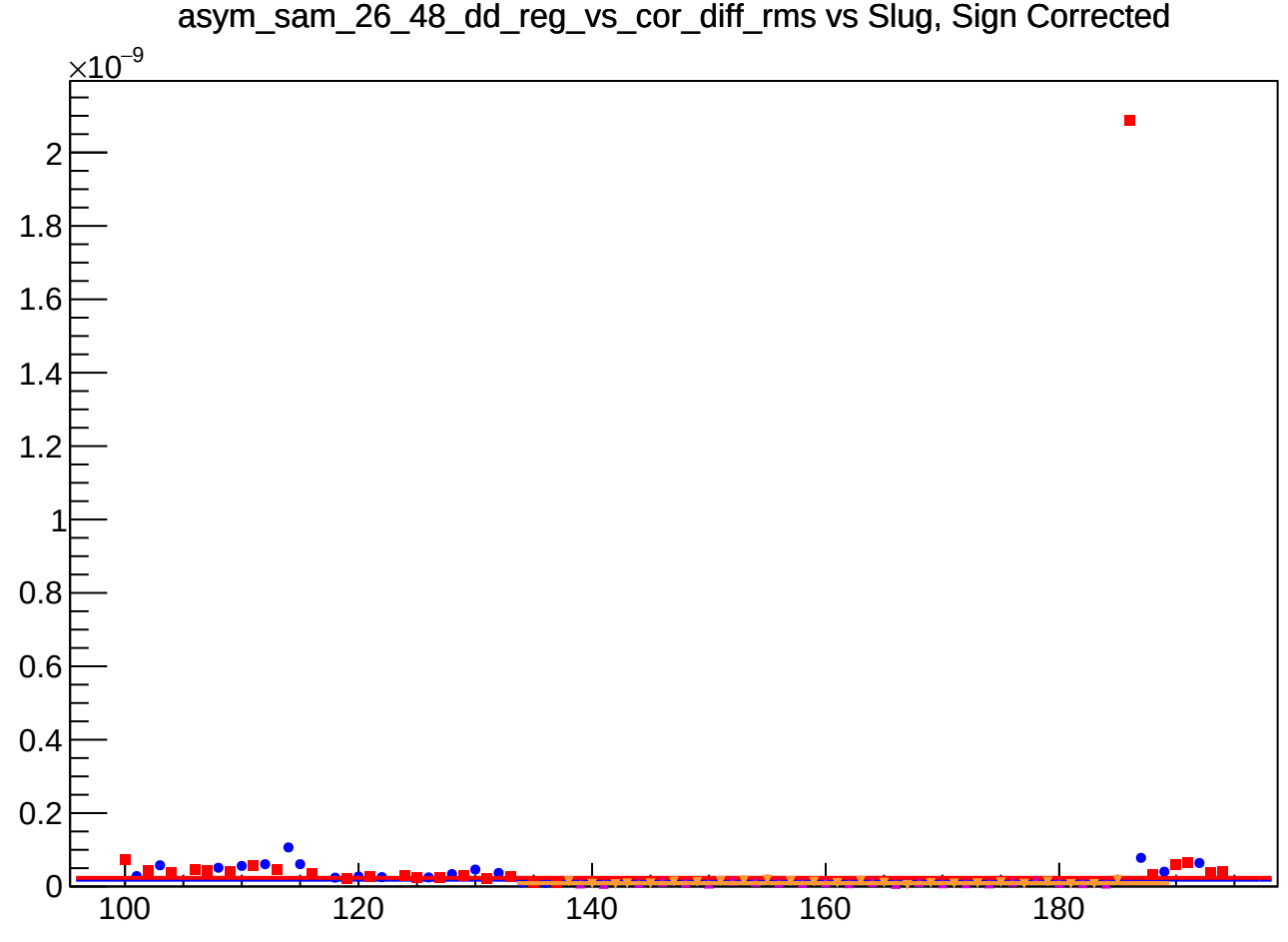
Right: 670.906+/-0.111 χ^2/NDF: 3125962.2/43

In: 532.746+/-0.074 χ^2/NDF:2706668.8/41

Out: 534.037+/-0.071 χ^2/NDF:3806040.2/49

All: 533.422+/-0.051 χ^2/NDF: 6512867.0/91


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
Right In: 0.000+/-0.000 χ²/NDF: 20.7/18
Left Out: -0.000+/-0.000 χ²/NDF:25.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.4/24
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: 46.3/43
In: -0.000+/-0.000 χ²/NDF:38.1/41
Out: -0.000+/-0.000 χ²/NDF:49.9/49
All: -0.000+/-0.000 χ²/NDF: 88.4/91



Right In: 0.000+/-0.000 χ^2/NDF: 3192170.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2675712.0/24

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

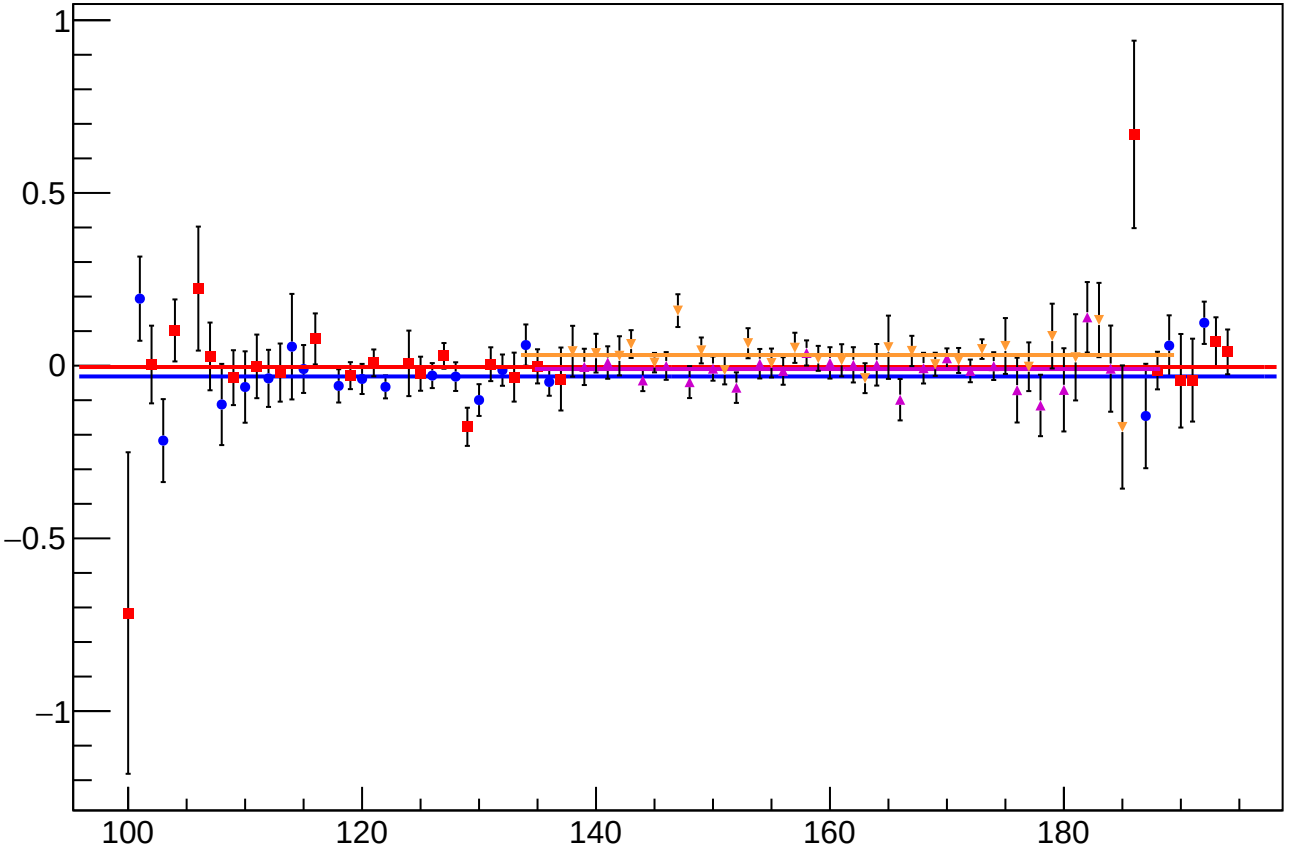
Right: 0.000+/-0.000 χ^2/NDF: 6039047.4/43

In: 0.000+/-0.000 χ^2/NDF:4927314.2/41

Out: 0.000+/-0.000 χ^2/NDF:6957218.4/49

All: 0.000+/-0.000 χ^2/NDF: 11894633.6/91

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.031+/-0.013 χ^2/NDF: 20.9/18

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.004+/-0.013 χ^2/NDF: 26.3/24

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

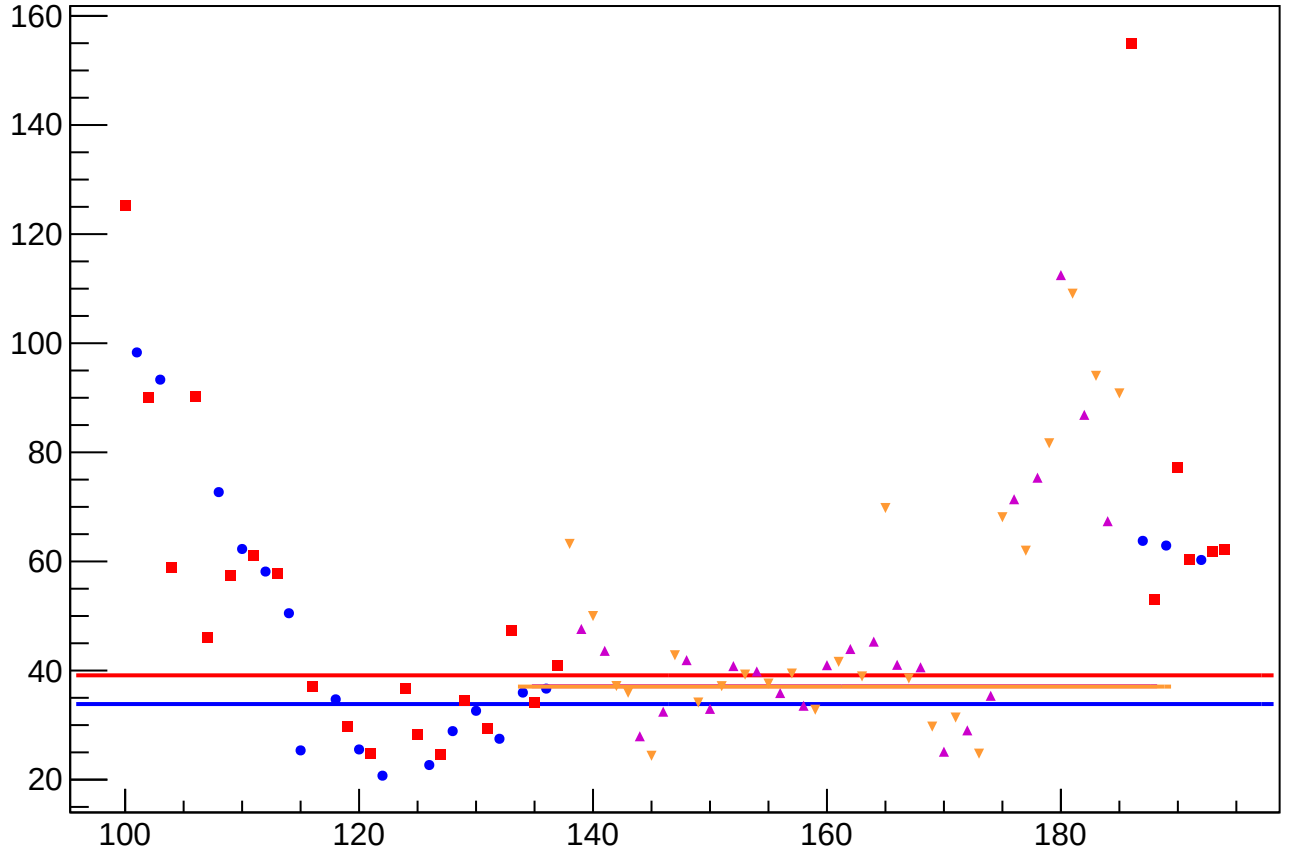
Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

Right: -0.018+/-0.009 χ^2/NDF: 49.5/43

In: -0.017+/-0.008 χ^2/NDF:36.0/41

Out: 0.019+/-0.007 χ^2/NDF:48.9/49

All: 0.001+/-0.005 χ^2/NDF: 96.9/91



Right In: 33.857+/-0.009 χ^2/NDF: 2973363.2/18

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 39.121+/-0.009 χ^2/NDF: 3177252.4/24

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

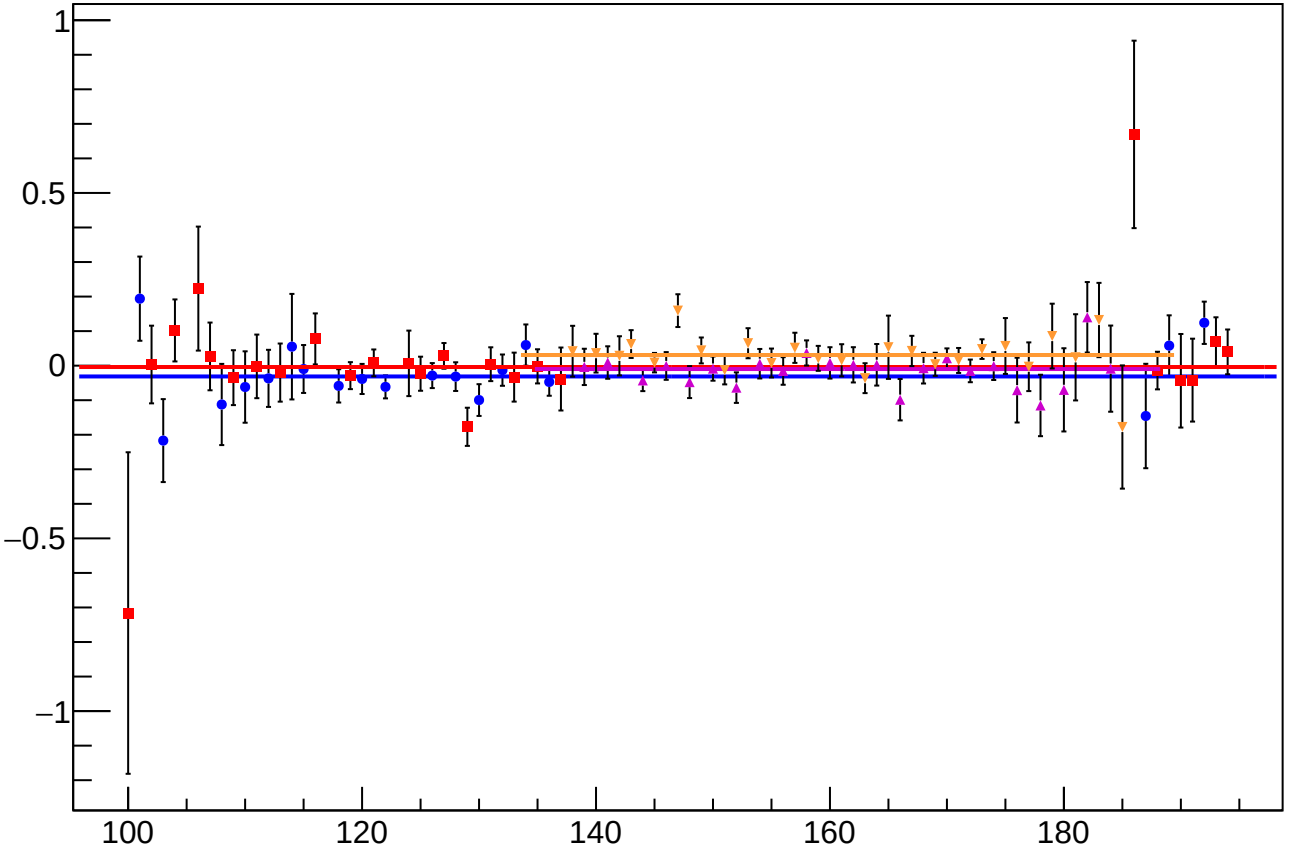
Right: 36.420+/-0.006 χ^2/NDF: 6318244.7/43

In: 35.972+/-0.005 χ^2/NDF:6072071.0/41

Out: 37.737+/-0.005 χ^2/NDF:7264644.2/49

All: 36.862+/-0.004 χ^2/NDF: 13392001.8/91

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.031+/-0.013 χ^2/NDF: 20.9/18

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.004+/-0.013 χ^2/NDF: 26.3/24

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

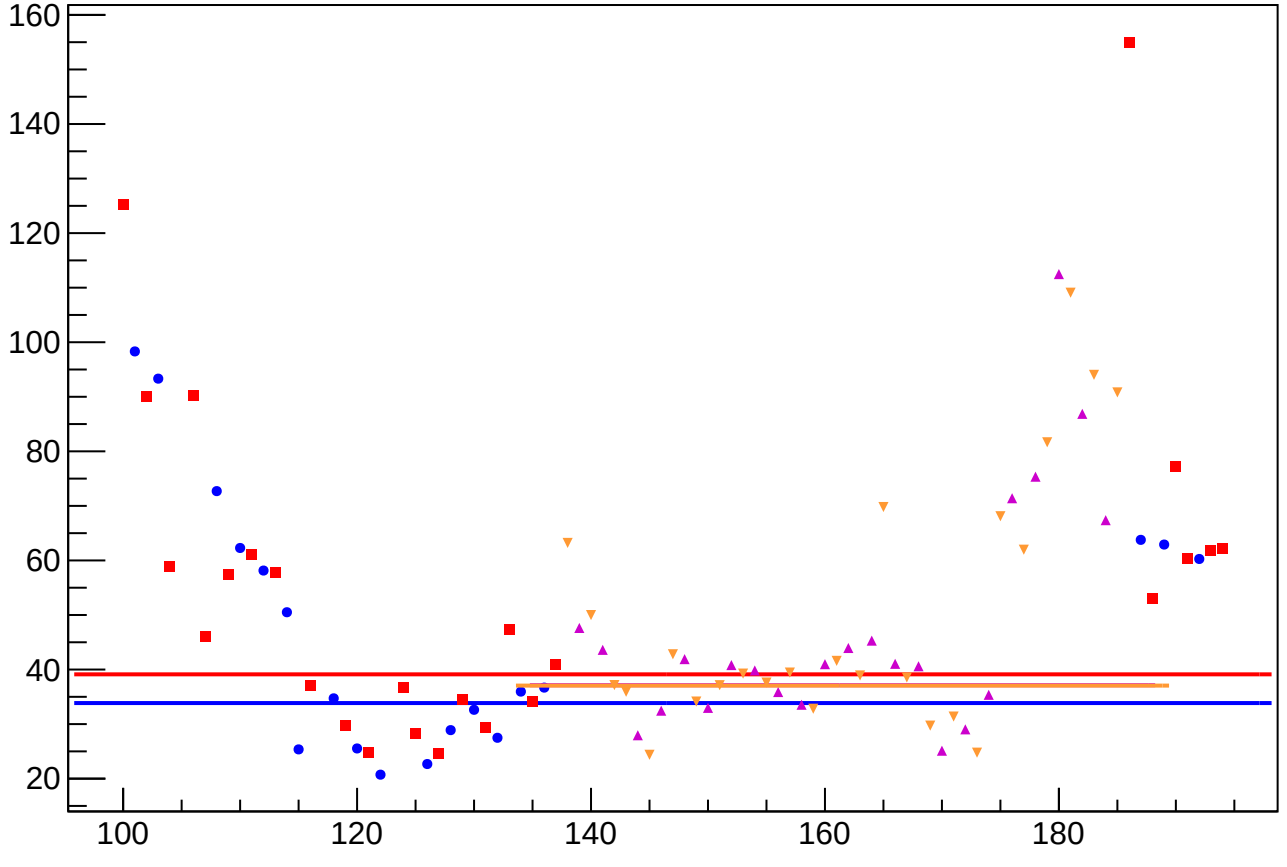
Right: -0.018+/-0.009 χ^2/NDF: 49.5/43

In: -0.017+/-0.008 χ^2/NDF:36.0/41

Out: 0.019+/-0.007 χ^2/NDF:48.9/49

All: 0.001+/-0.005 χ^2/NDF: 96.9/91

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.857+/-0.009 χ^2/NDF: 2973363.2/18

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 39.121+/-0.009 χ^2/NDF: 3177252.4/24

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

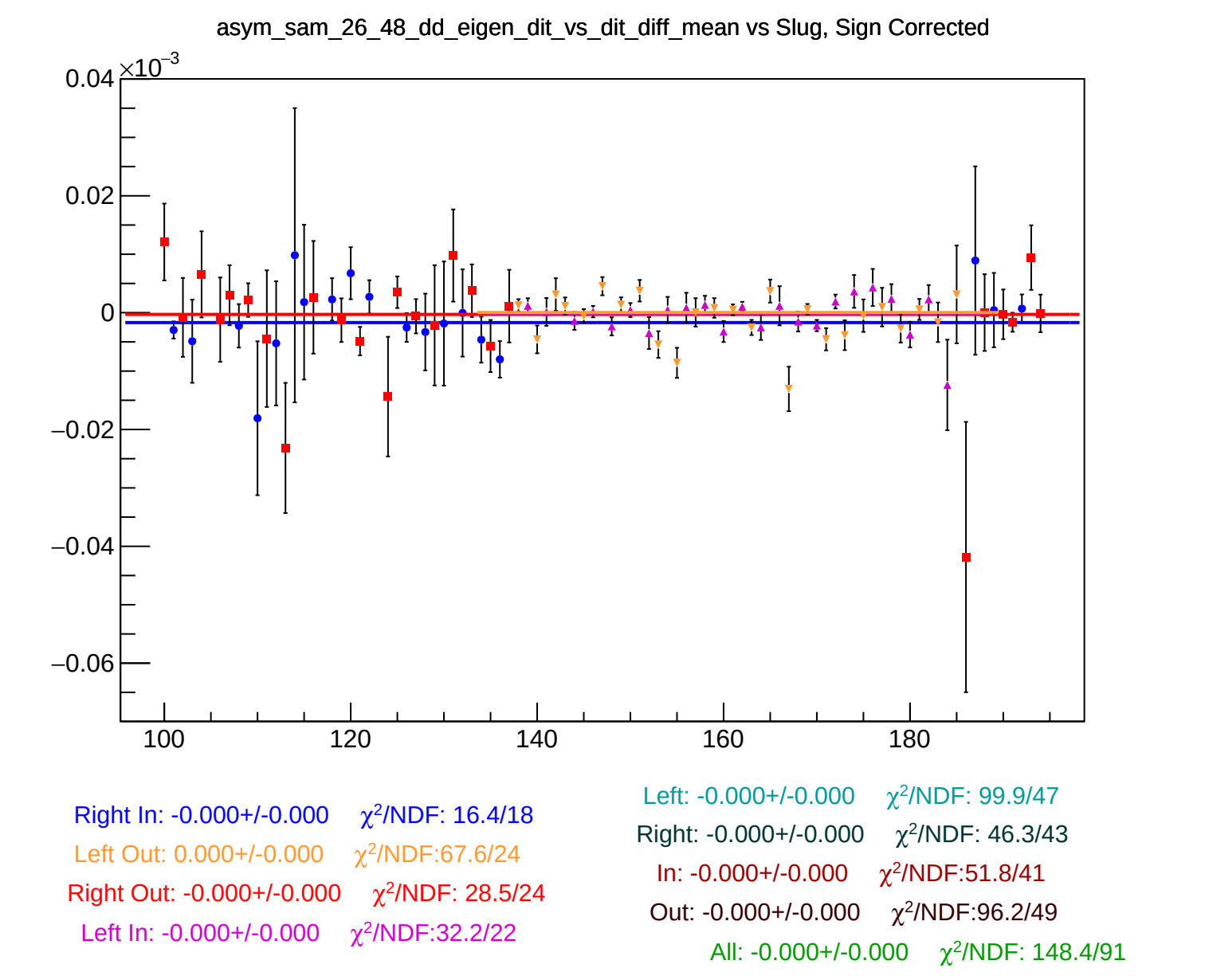
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 36.420+/-0.006 χ^2/NDF: 6318244.7/43

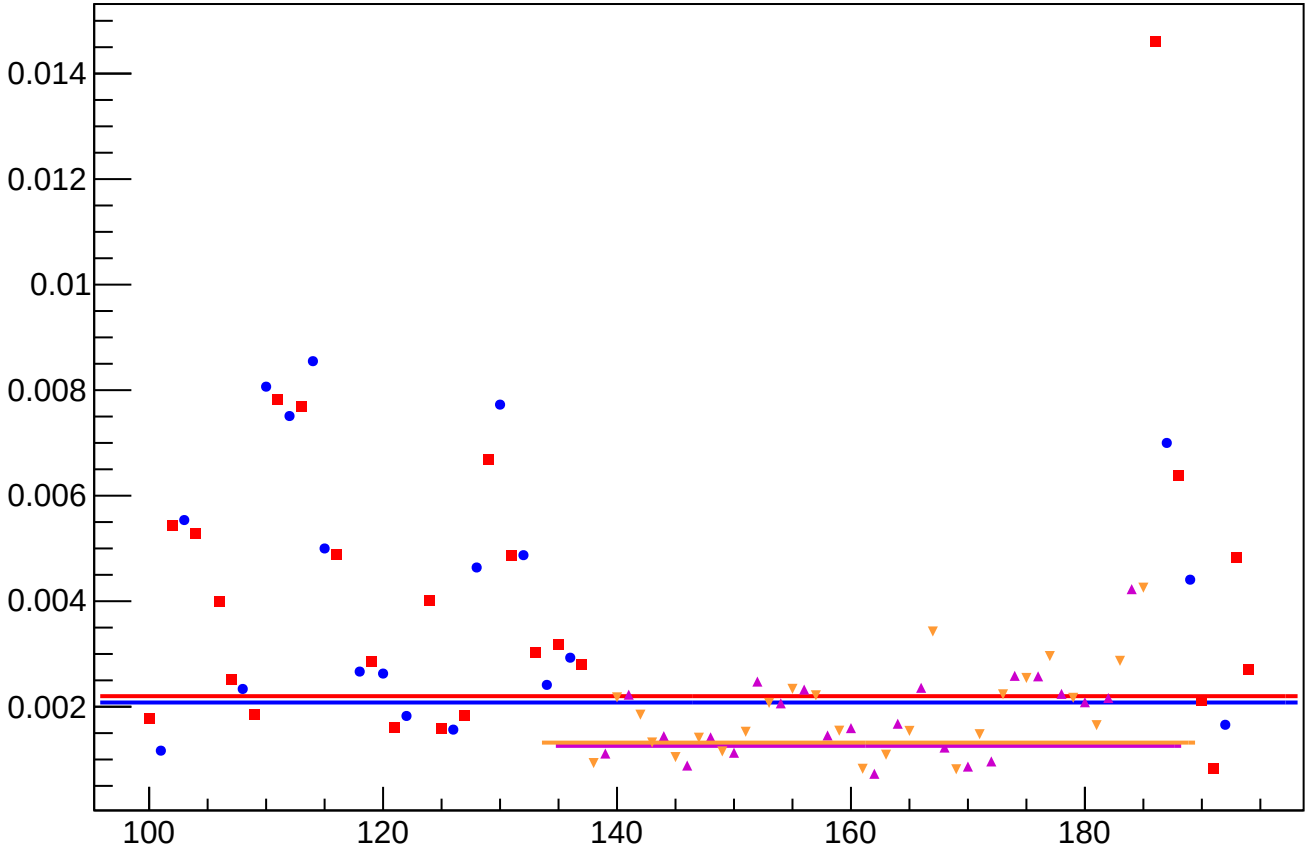
In: 35.972+/-0.005 χ^2/NDF:6072071.0/41

Out: 37.737+/-0.005 χ^2/NDF:7264644.2/49

All: 36.862+/-0.004 χ^2/NDF: 13392001.8/91


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 16.4/18
Left Out: 0.000+/-0.000 χ²/NDF:67.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 28.5/24
Left In: -0.000+/-0.000 χ²/NDF:32.2/22
Left: -0.000+/-0.000 χ²/NDF: 99.9/47
Right: -0.000+/-0.000 χ²/NDF: 46.3/43
In: -0.000+/-0.000 χ²/NDF:51.8/41
Out: -0.000+/-0.000 χ²/NDF:96.2/49
All: -0.000+/-0.000 χ²/NDF: 148.4/91

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4430233.2/18

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6557644.5/24

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

Left: 0.001+/-0.000 χ^2/NDF: 11036327.2/47

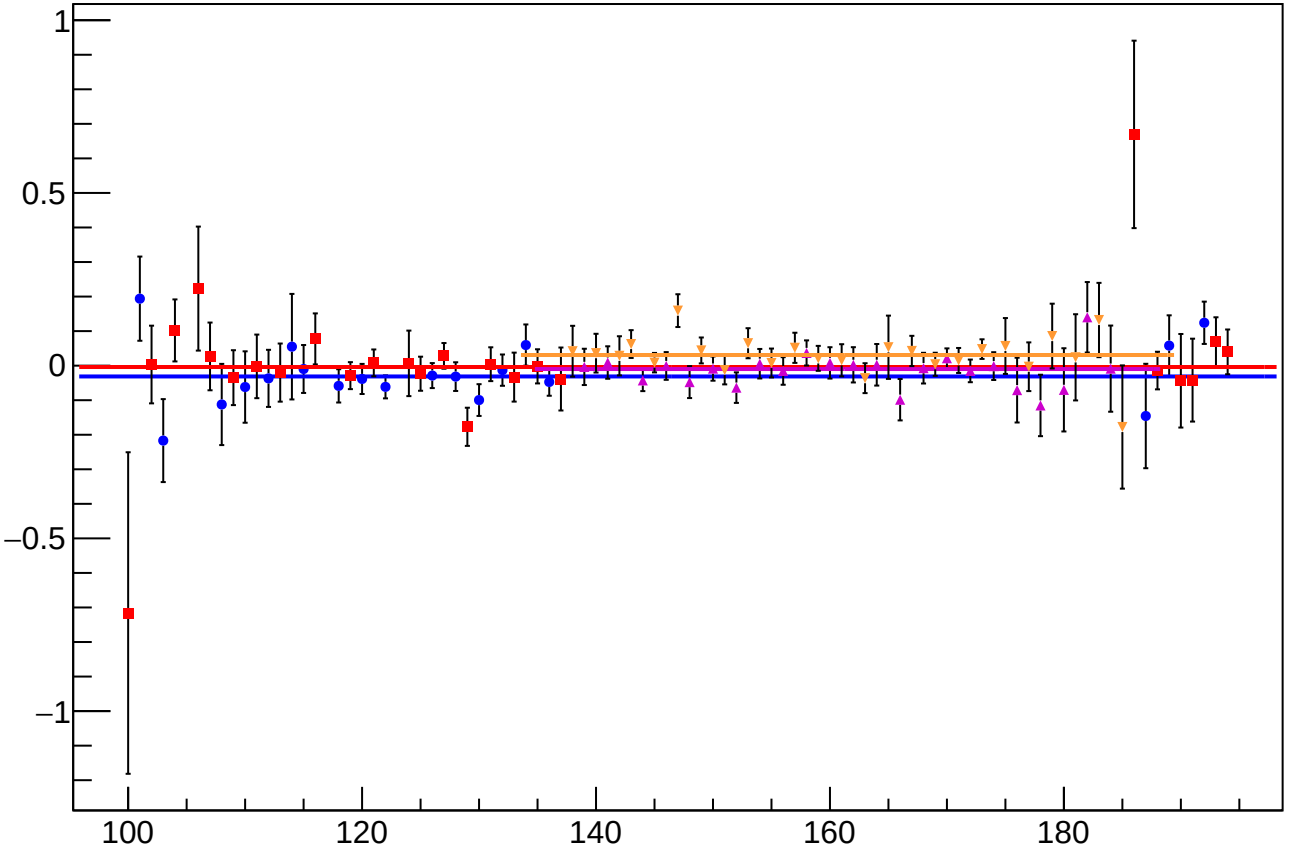
Right: 0.002+/-0.000 χ^2/NDF: 11008859.2/43

In: 0.001+/-0.000 χ^2/NDF:11449418.2/41

Out: 0.001+/-0.000 χ^2/NDF:14193157.7/49

All: 0.001+/-0.000 χ^2/NDF: 25708016.6/91

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.031+/-0.013 χ^2/NDF: 20.9/18

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.004+/-0.013 χ^2/NDF: 26.3/24

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

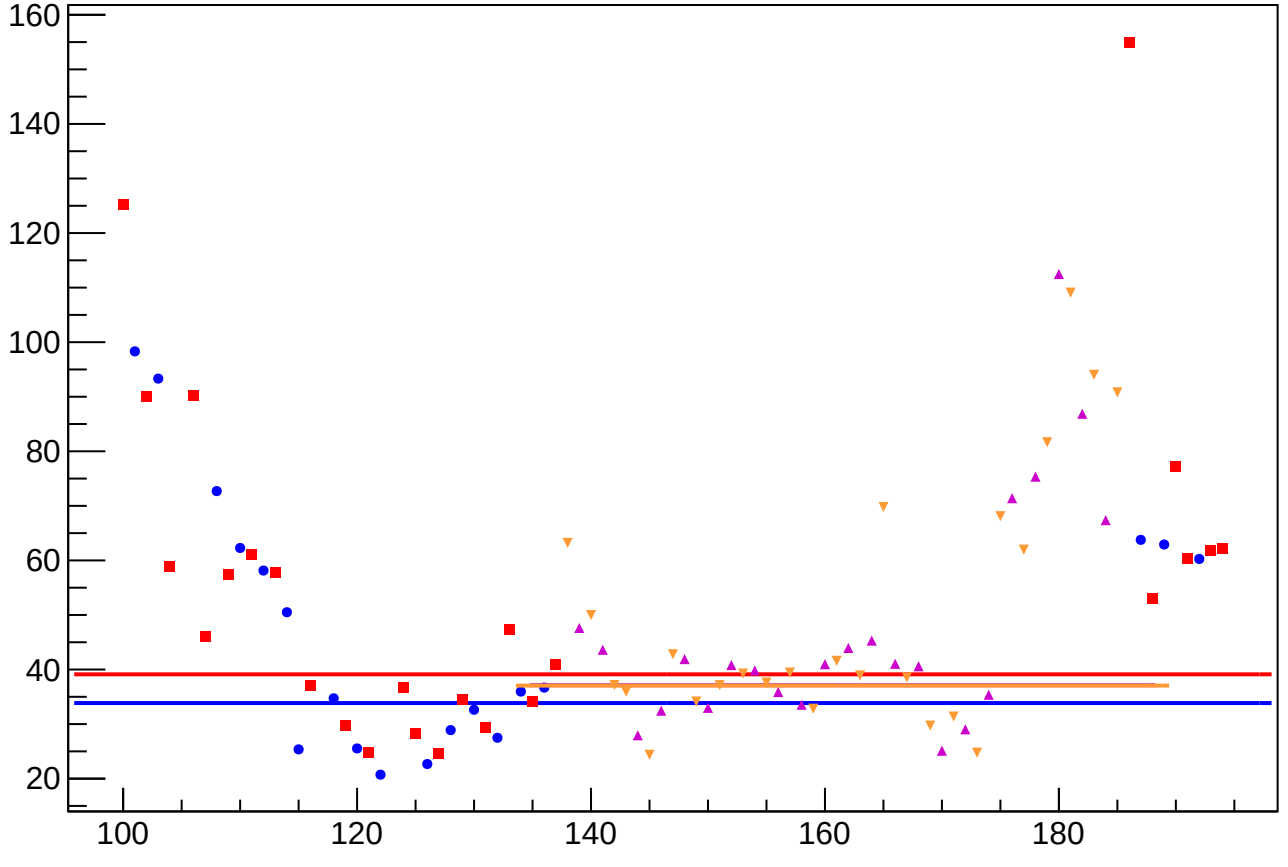
Right: -0.018+/-0.009 χ^2/NDF: 49.5/43

In: -0.017+/-0.008 χ^2/NDF:36.0/41

Out: 0.019+/-0.007 χ^2/NDF:48.9/49

All: 0.001+/-0.005 χ^2/NDF: 96.9/91

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.857+/-0.009 χ^2/NDF: 2973333.3/18

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 39.121+/-0.009 χ^2/NDF: 3177090.4/24

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

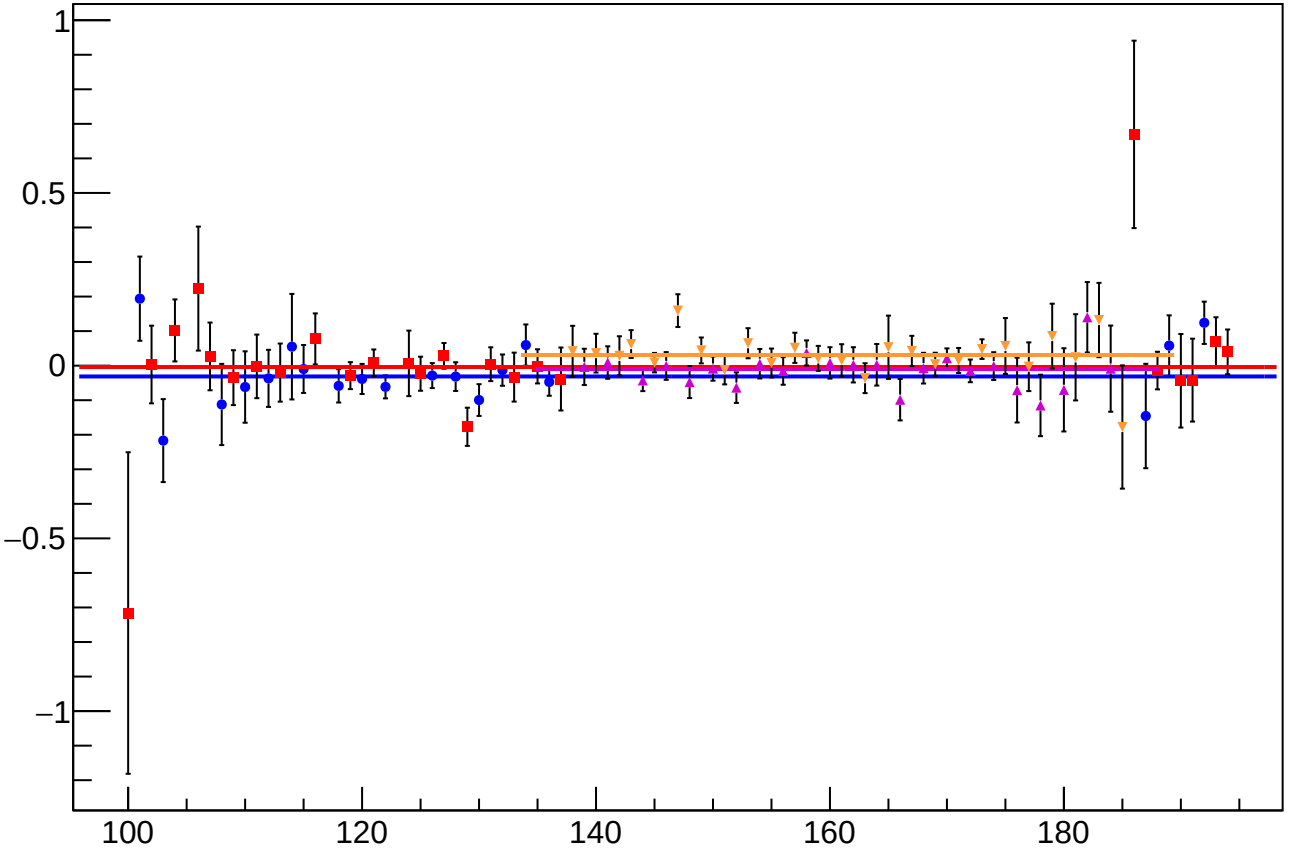
Right: 36.420+/-0.006 χ^2/NDF: 6318056.4/43

In: 35.972+/-0.005 χ^2/NDF:6071989.9/41

Out: 37.737+/-0.005 χ^2/NDF:7264507.3/49

All: 36.862+/-0.004 χ^2/NDF: 13391784.2/91

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.031+/-0.013 χ^2/NDF: 20.9/18

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.004+/-0.013 χ^2/NDF: 26.3/24

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

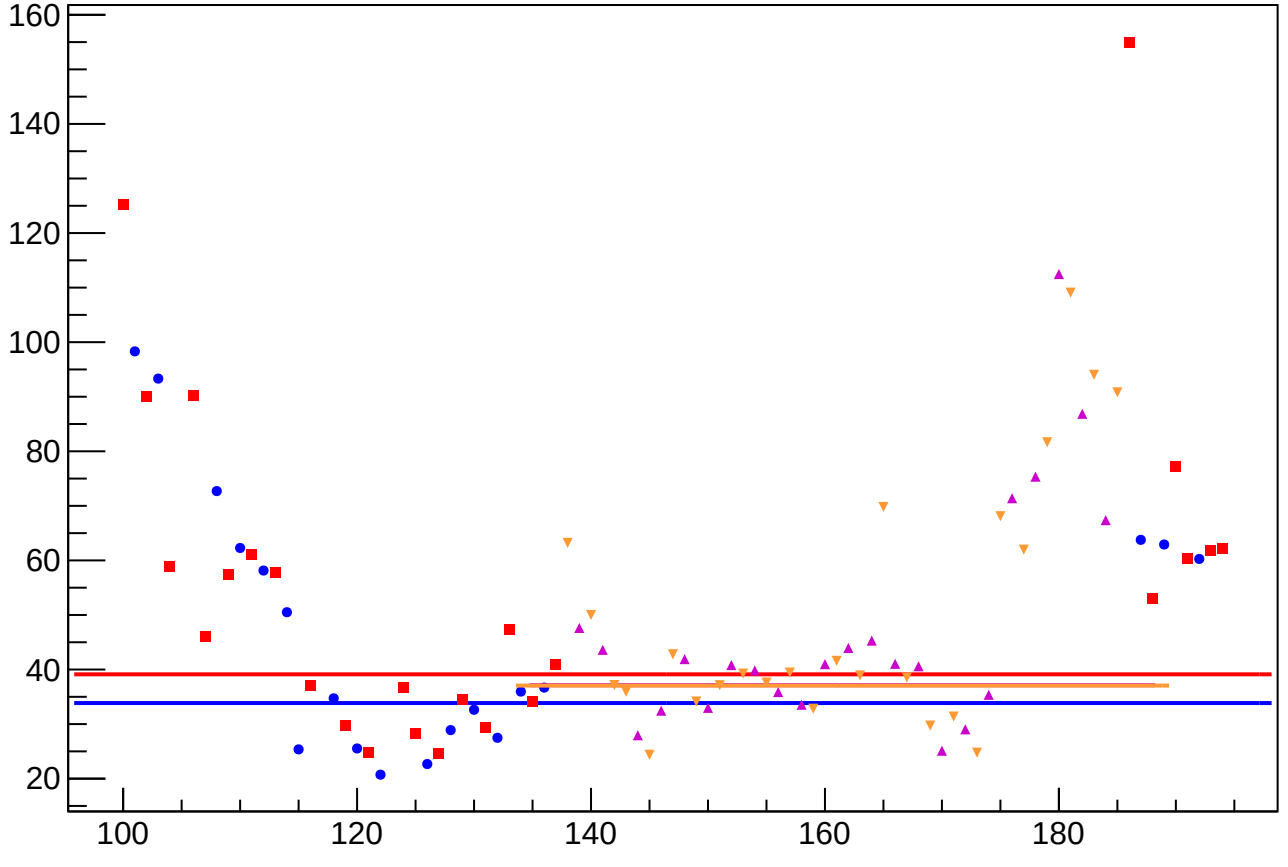
Right: -0.018+/-0.009 χ^2/NDF: 49.5/43

In: -0.017+/-0.008 χ^2/NDF:36.0/41

Out: 0.019+/-0.007 χ^2/NDF:48.9/49

All: 0.001+/-0.005 χ^2/NDF: 96.9/91

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.857+/-0.009 χ^2/NDF: 2973333.3/18

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 39.121+/-0.009 χ^2/NDF: 3177090.4/24

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

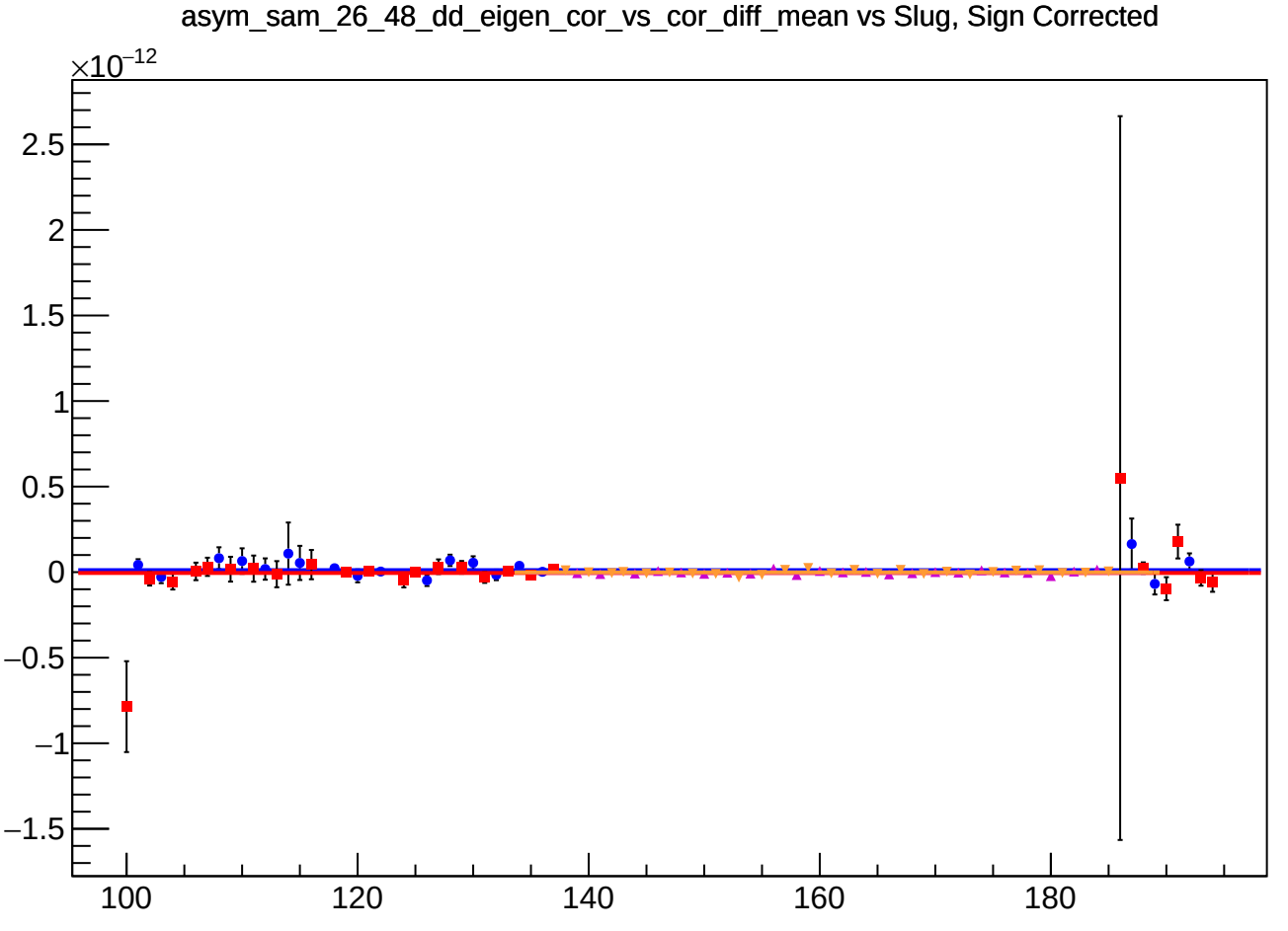
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 36.420+/-0.006 χ^2/NDF: 6318056.4/43

In: 35.972+/-0.005 χ^2/NDF:6071989.9/41

Out: 37.737+/-0.005 χ^2/NDF:7264507.3/49

All: 36.862+/-0.004 χ^2/NDF: 13391784.2/91



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.0/24

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

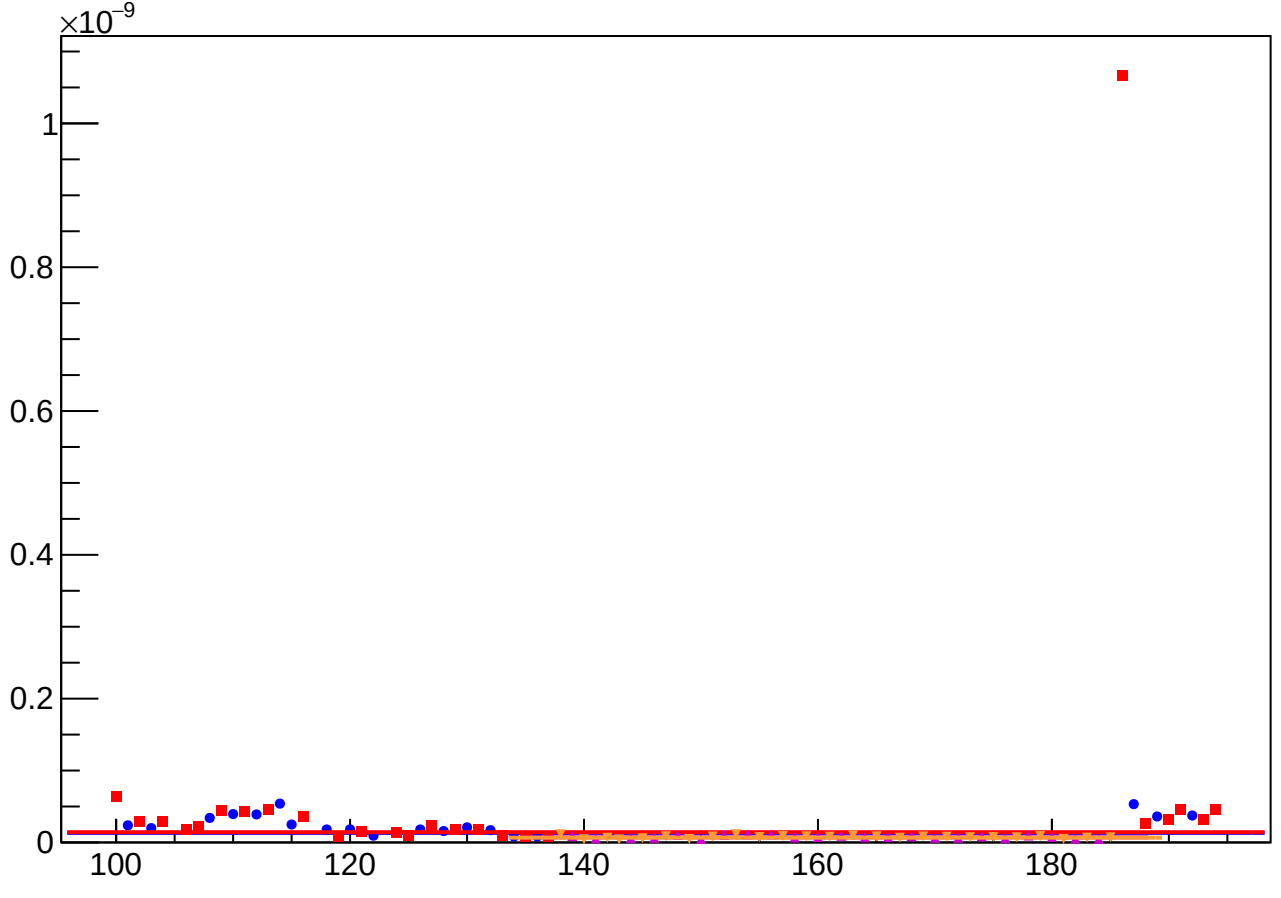
Right: 0.000+/-0.000 χ^2/NDF: 49.1/43

In: -0.000+/-0.000 χ^2/NDF:46.2/41

Out: -0.000+/-0.000 χ^2/NDF:51.2/49

All: -0.000+/-0.000 χ^2/NDF: 97.4/91

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3128156.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4898188.9/24

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

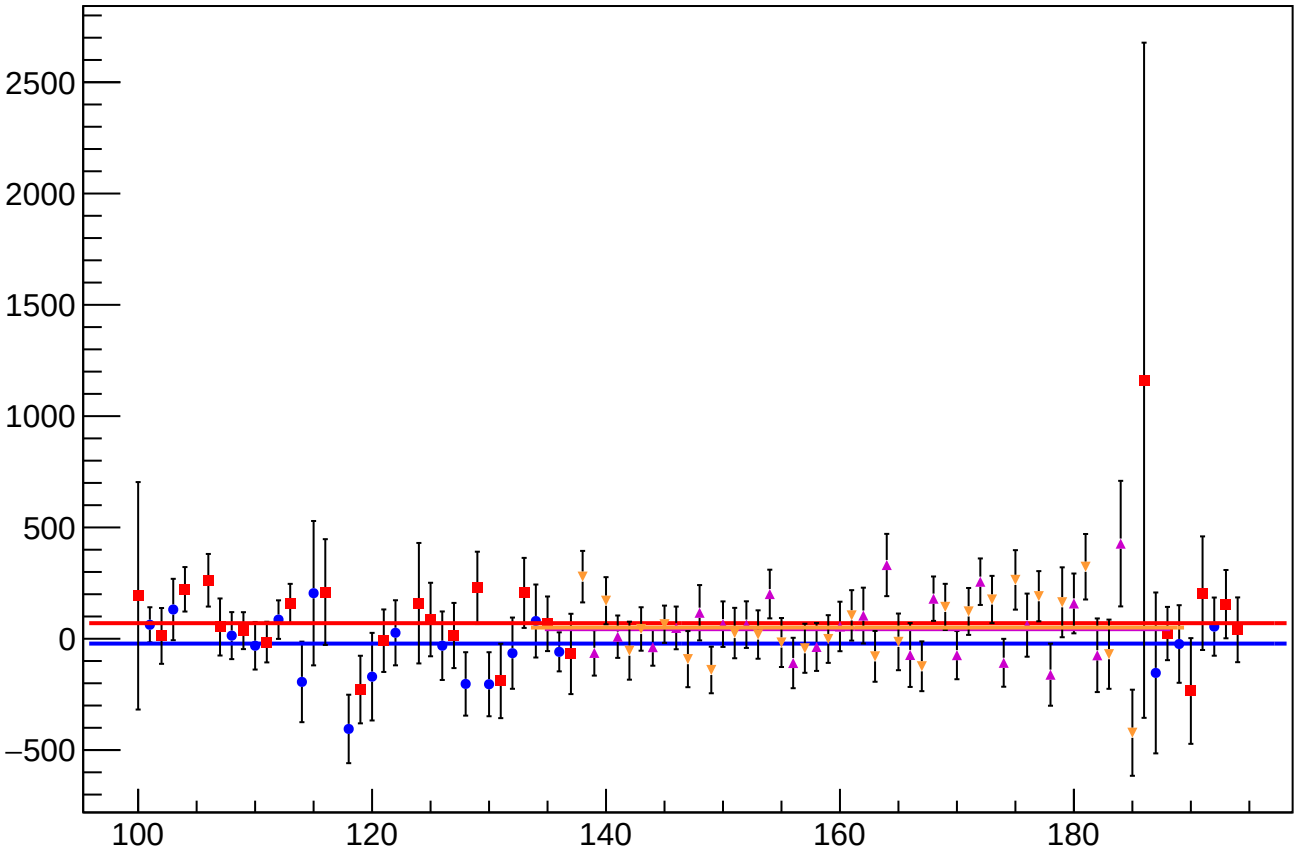
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 8045894.9/43

In: 0.000+/-0.000 χ^2/NDF:6311890.1/41

Out: 0.000+/-0.000 χ^2/NDF:9426079.7/49

All: 0.000+/-0.000 χ^2/NDF: 15778249.4/91



Right In: -21.761+/-29.821 χ^2/NDF: 16.7/18

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: 69.979+/-27.639 χ^2/NDF: 19.8/24

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.795+/-16.509 χ^2/NDF: 60.1/47

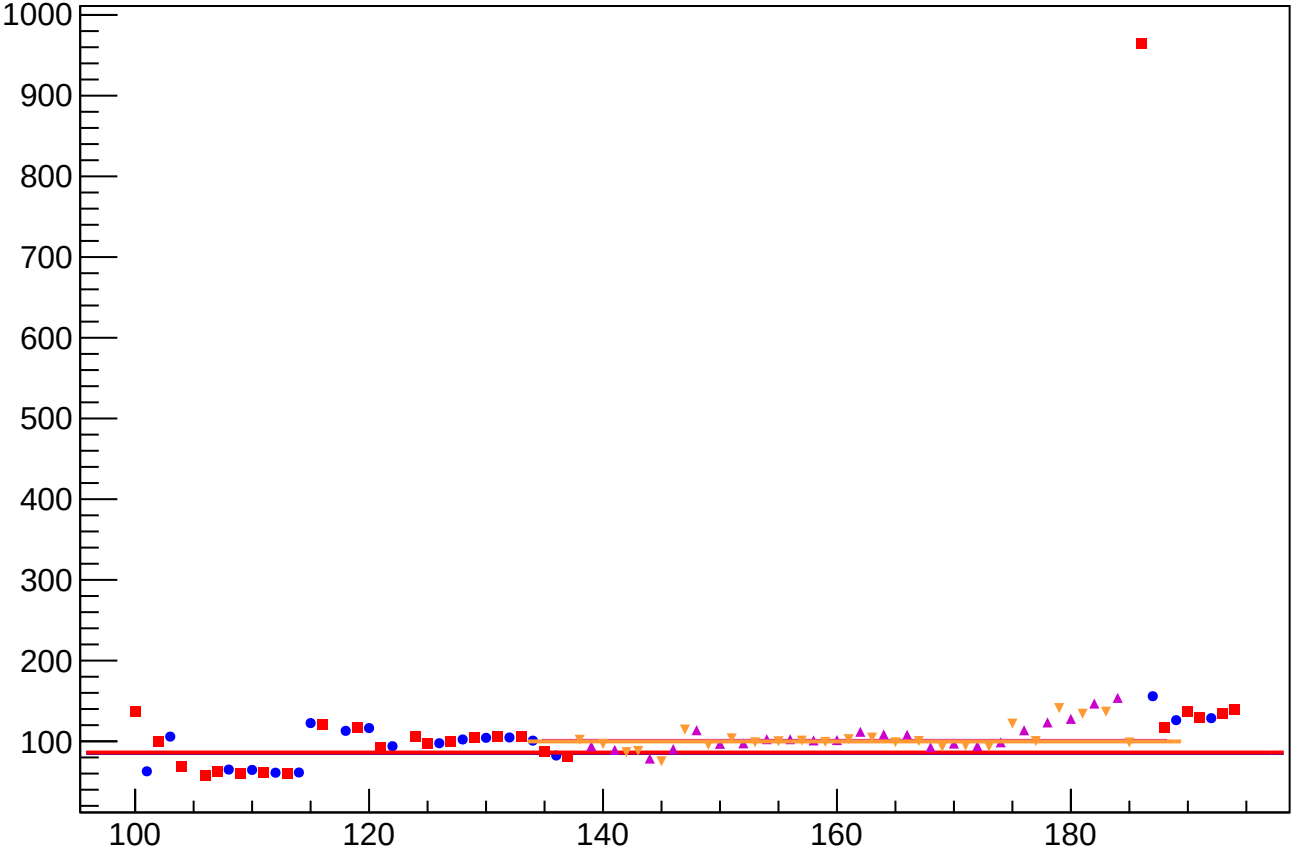
Right: 27.589+/-20.271 χ^2/NDF: 41.5/43

In: 17.871+/-18.582 χ^2/NDF:46.2/41

Out: 58.342+/-17.660 χ^2/NDF:53.5/49

All: 39.136+/-12.801 χ^2/NDF: 102.2/91

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 85.506+/-0.021 χ^2/NDF: 1228432.7/18

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 86.045+/-0.020 χ^2/NDF: 2483135.6/24

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

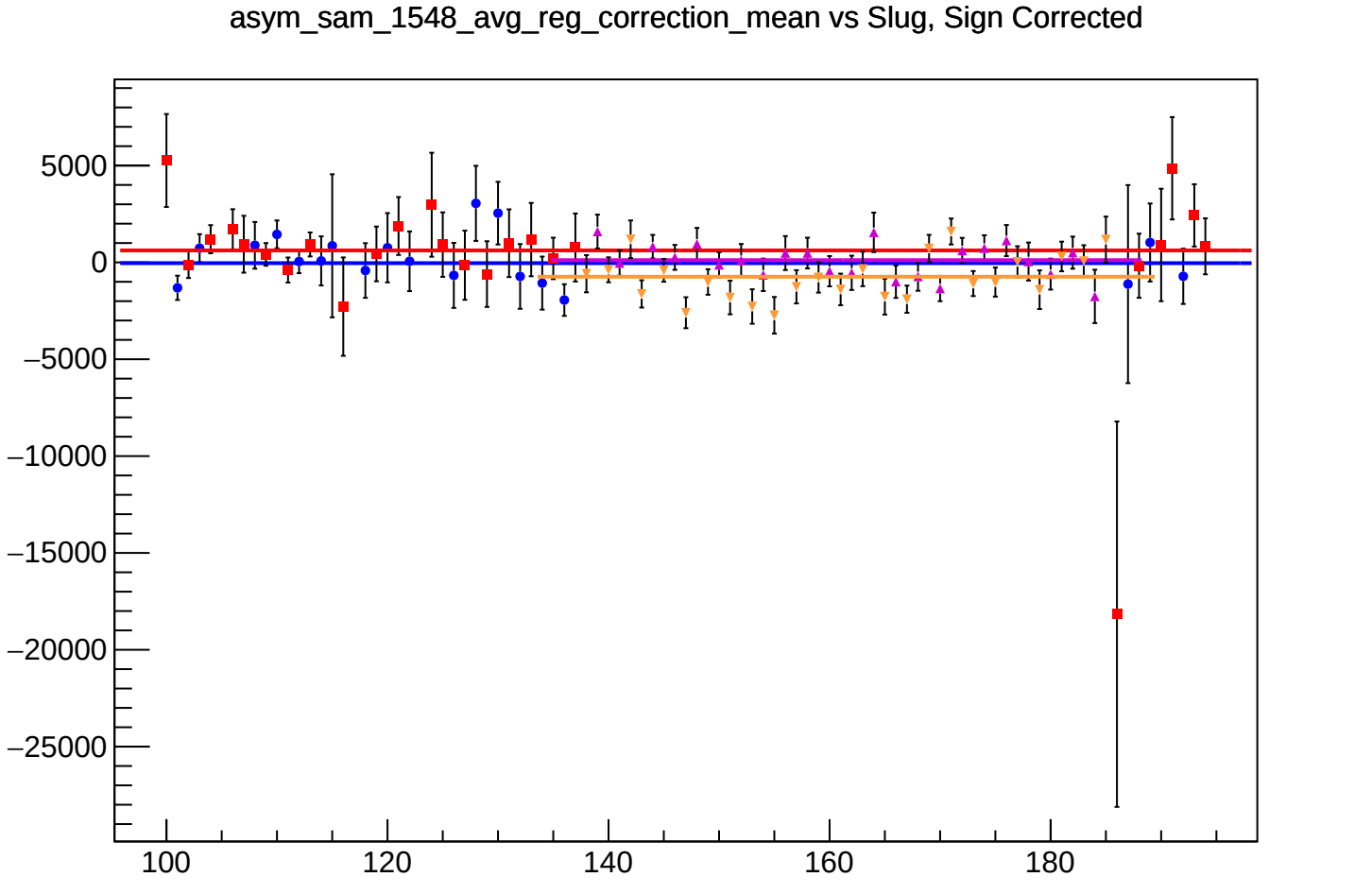
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

Right: 85.796+/-0.014 χ^2/NDF: 3711919.3/43

In: 94.677+/-0.013 χ^2/NDF:2194484.0/41

Out: 94.207+/-0.012 χ^2/NDF:3475692.5/49

All: 94.430+/-0.009 χ^2/NDF: 5670848.4/91



Right In: -37.817+/-250.662 χ^2/NDF: 22.4/18

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: 619.596+/-228.911 χ^2/NDF: 21.0/24

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.953+/-112.146 χ^2/NDF: 87.9/47

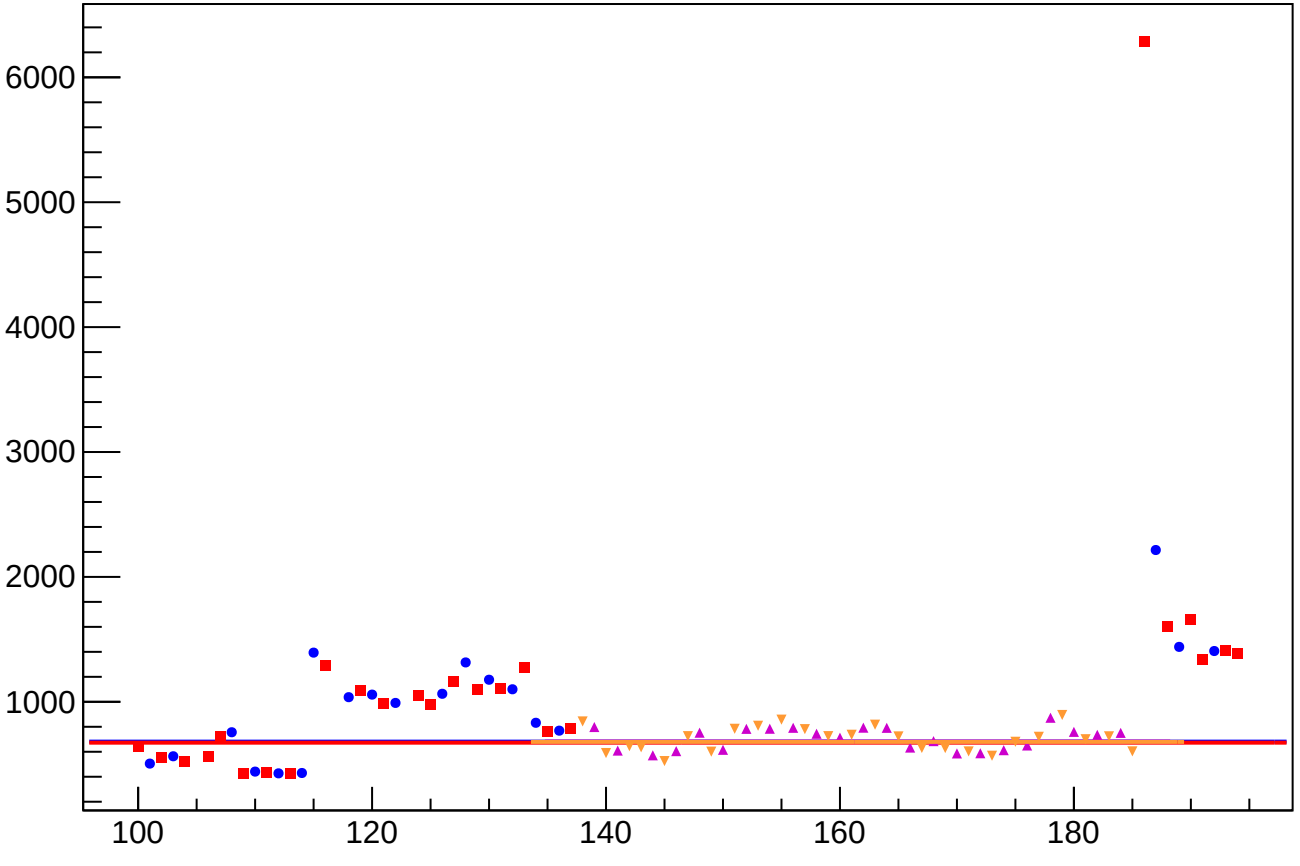
Right: 320.645+/-169.032 χ^2/NDF: 47.2/43

In: 70.825+/-135.458 χ^2/NDF:46.4/41

Out: -306.531+/-129.087 χ^2/NDF:94.7/49

All: -126.936+/-93.449 χ^2/NDF: 145.2/91

asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 681.223+/-0.177 χ^2/NDF: 2902724.6/18

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 672.870+/-0.162 χ^2/NDF: 4775019.6/24

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

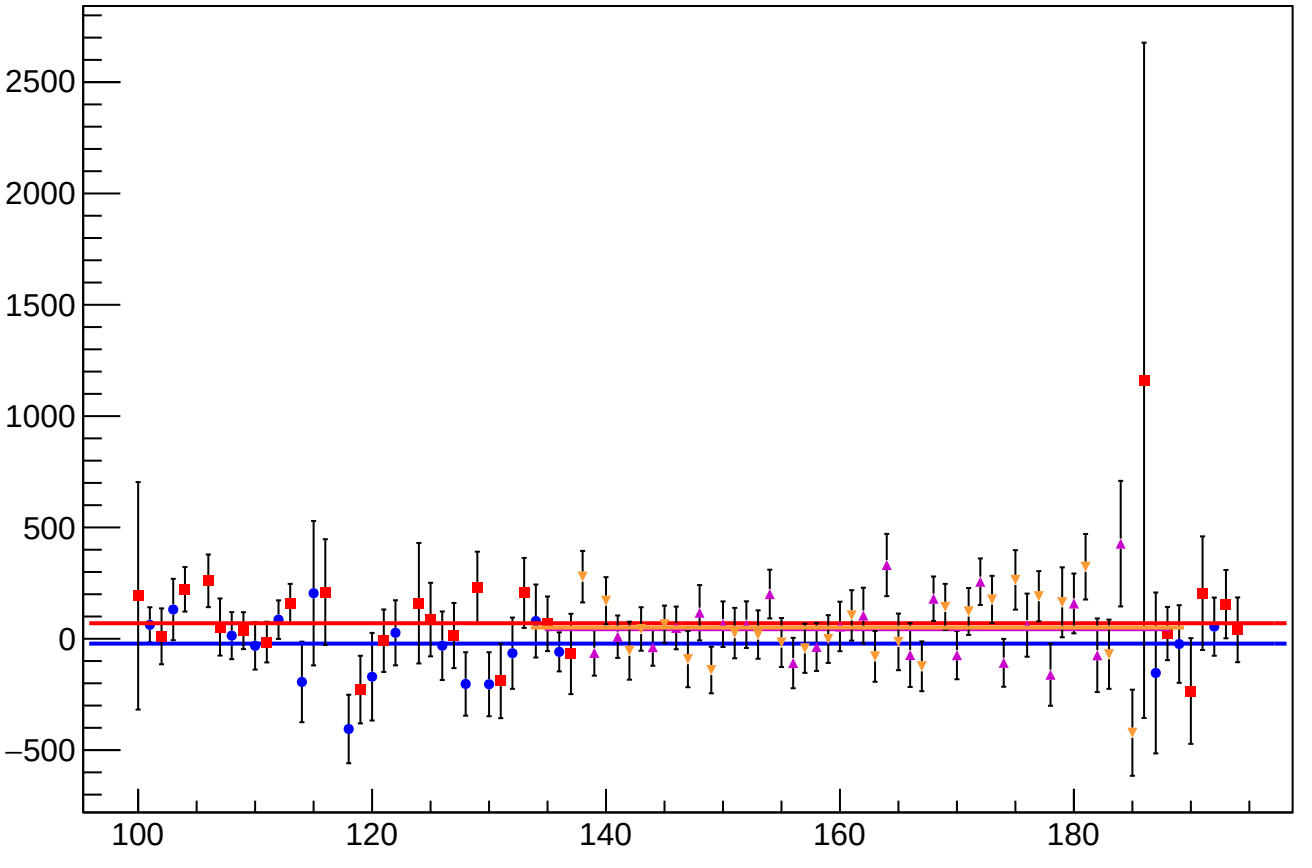
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 676.669+/-0.120 χ^2/NDF: 7678955.3/43

In: 681.698+/-0.096 χ^2/NDF:3476547.1/41

Out: 677.150+/-0.091 χ^2/NDF:5513464.6/49

All: 679.315+/-0.066 χ^2/NDF: 8991192.8/91



Right In: -21.763+/-29.821 χ^2/NDF: 16.7/18

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 69.752+/-27.640 χ^2/NDF: 19.7/24

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

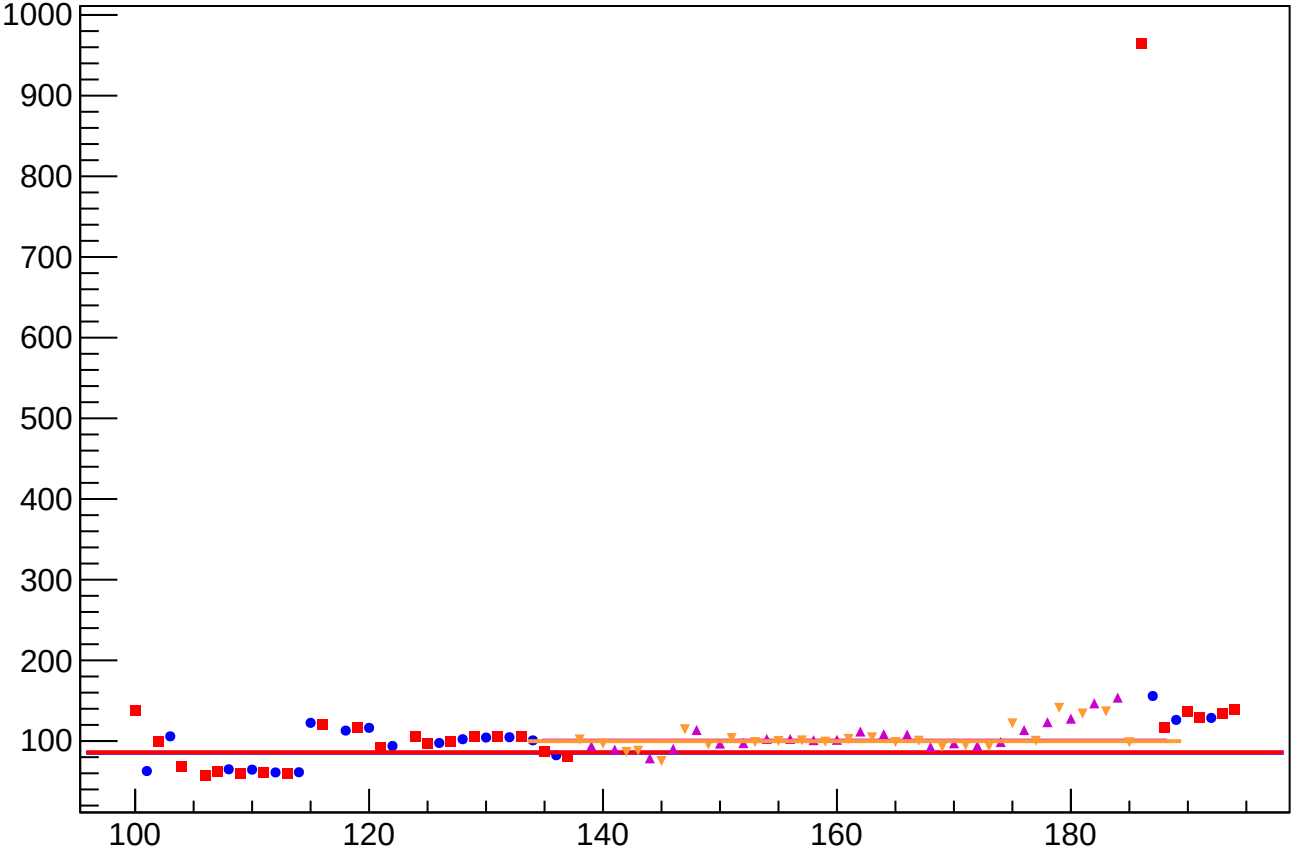
Right: 27.464+/-20.272 χ^2/NDF: 41.4/43

In: 17.871+/-18.582 χ^2/NDF:46.2/41

Out: 58.254+/-17.660 χ^2/NDF:53.4/49

All: 39.089+/-12.801 χ^2/NDF: 102.1/91

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 85.506+/-0.021 χ^2/NDF: 1228434.8/18

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 86.030+/-0.020 χ^2/NDF: 2485902.4/24

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

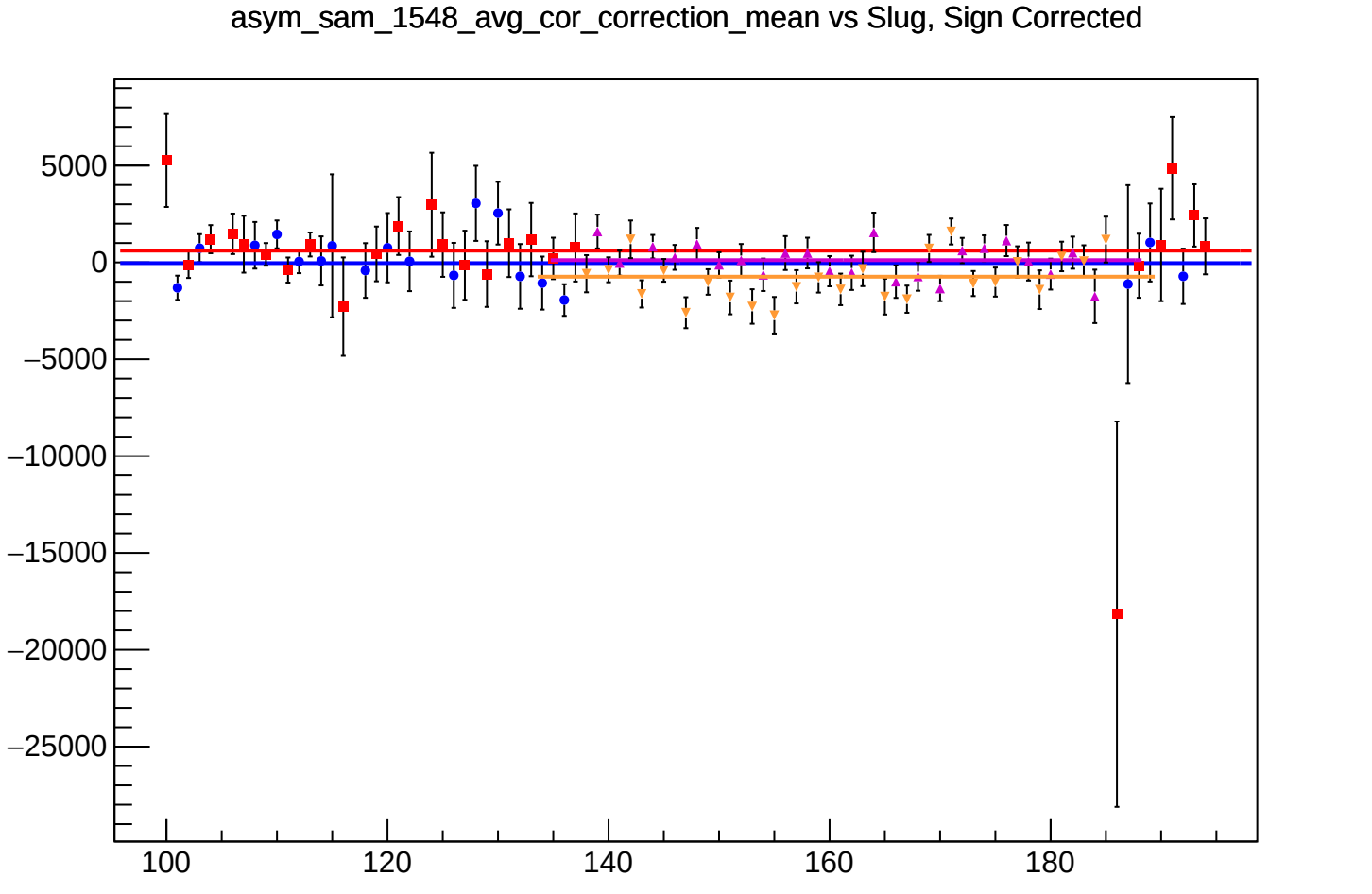
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 85.788+/-0.014 χ^2/NDF: 3714668.7/43

In: 94.677+/-0.013 χ^2/NDF:2194485.3/41

Out: 94.201+/-0.012 χ^2/NDF:3479086.0/49

All: 94.427+/-0.009 χ^2/NDF: 5674260.0/91



Right In: -37.842+/-250.665 χ^2/NDF: 22.4/18

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 607.737+/-229.042 χ^2/NDF: 20.6/24

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

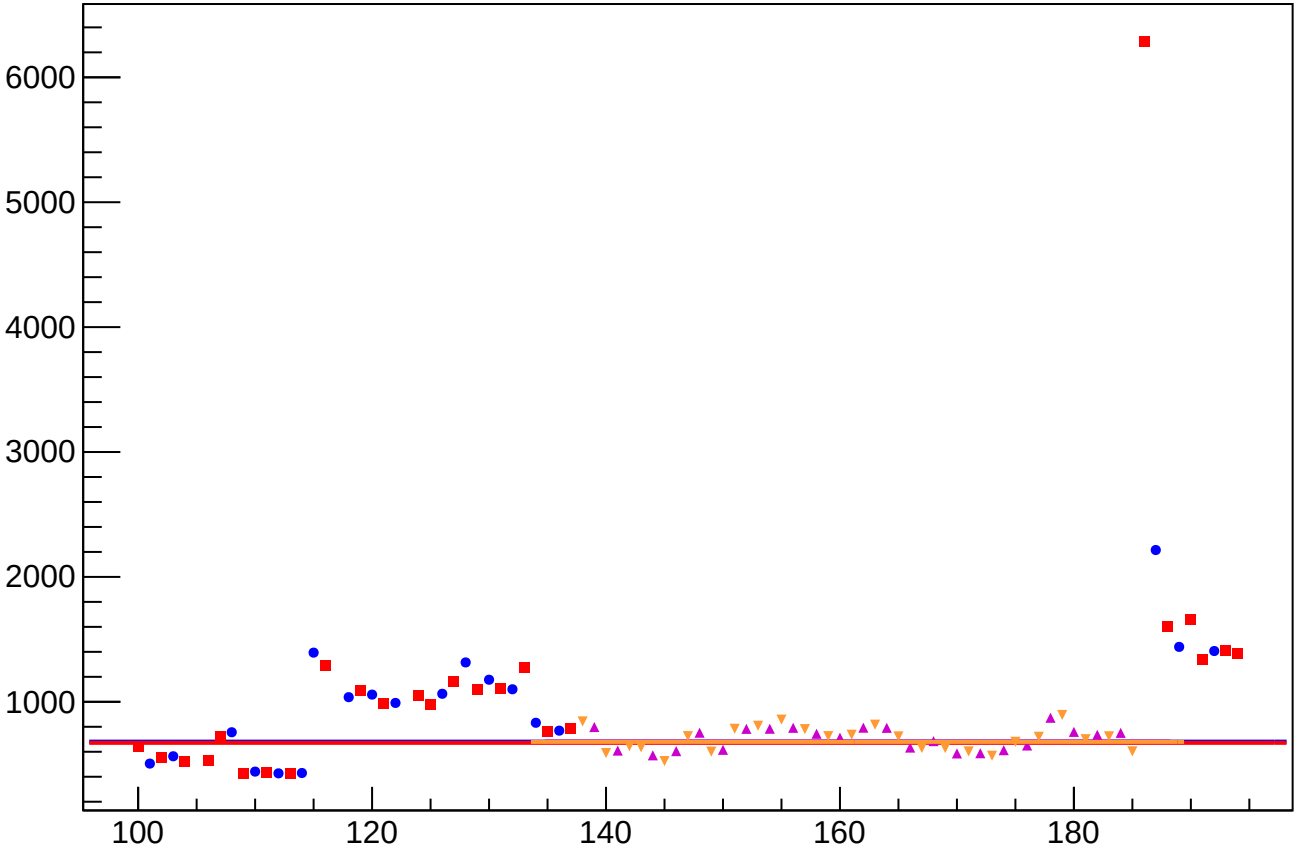
Right: 313.988+/-169.086 χ^2/NDF: 46.6/43

In: 70.818+/-135.459 χ^2/NDF:46.4/41

Out: -310.628+/-129.110 χ^2/NDF:93.8/49

All: -129.053+/-93.458 χ^2/NDF: 144.4/91

asym_sam_1548_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 681.233+/-0.177 χ^2/NDF: 2902661.8/18

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 671.404+/-0.162 χ^2/NDF: 4790024.2/24

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

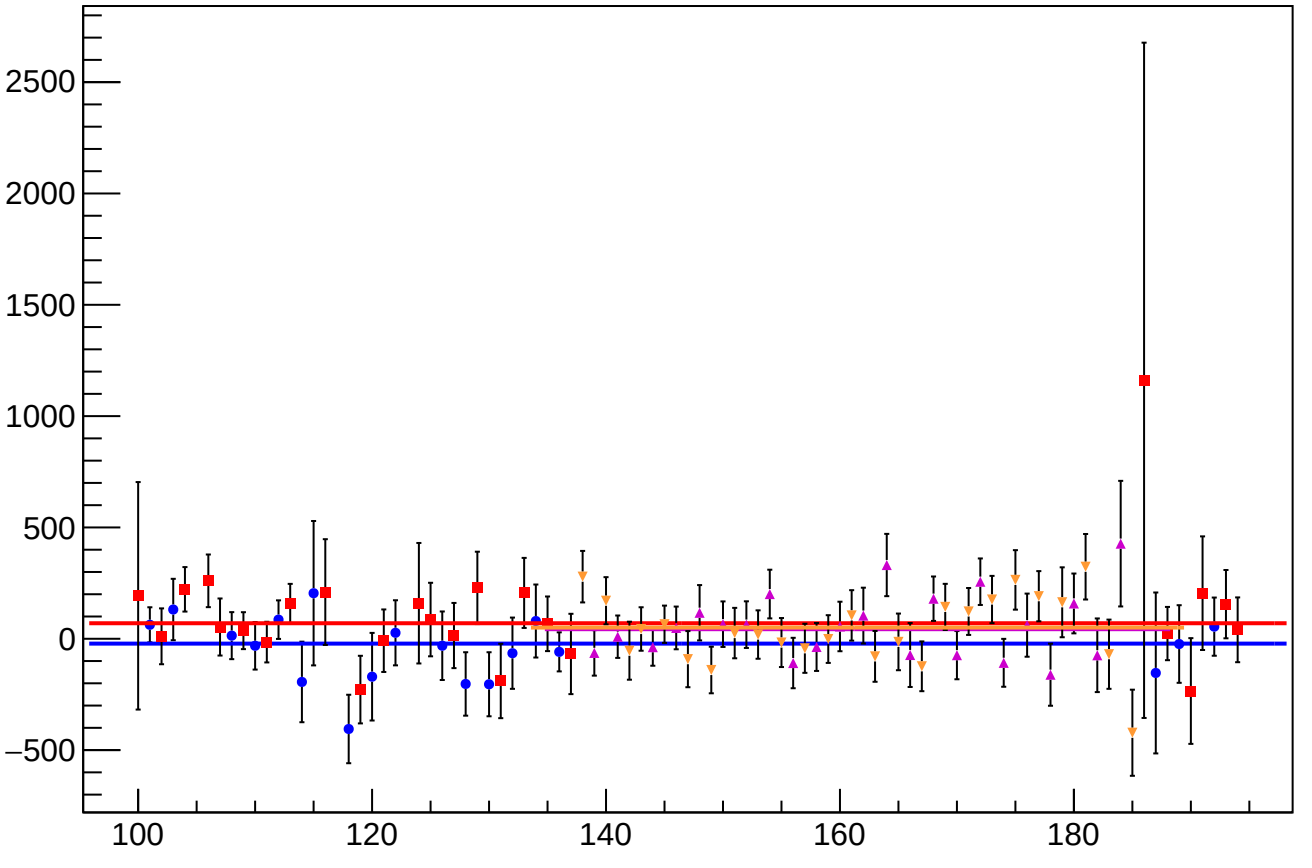
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

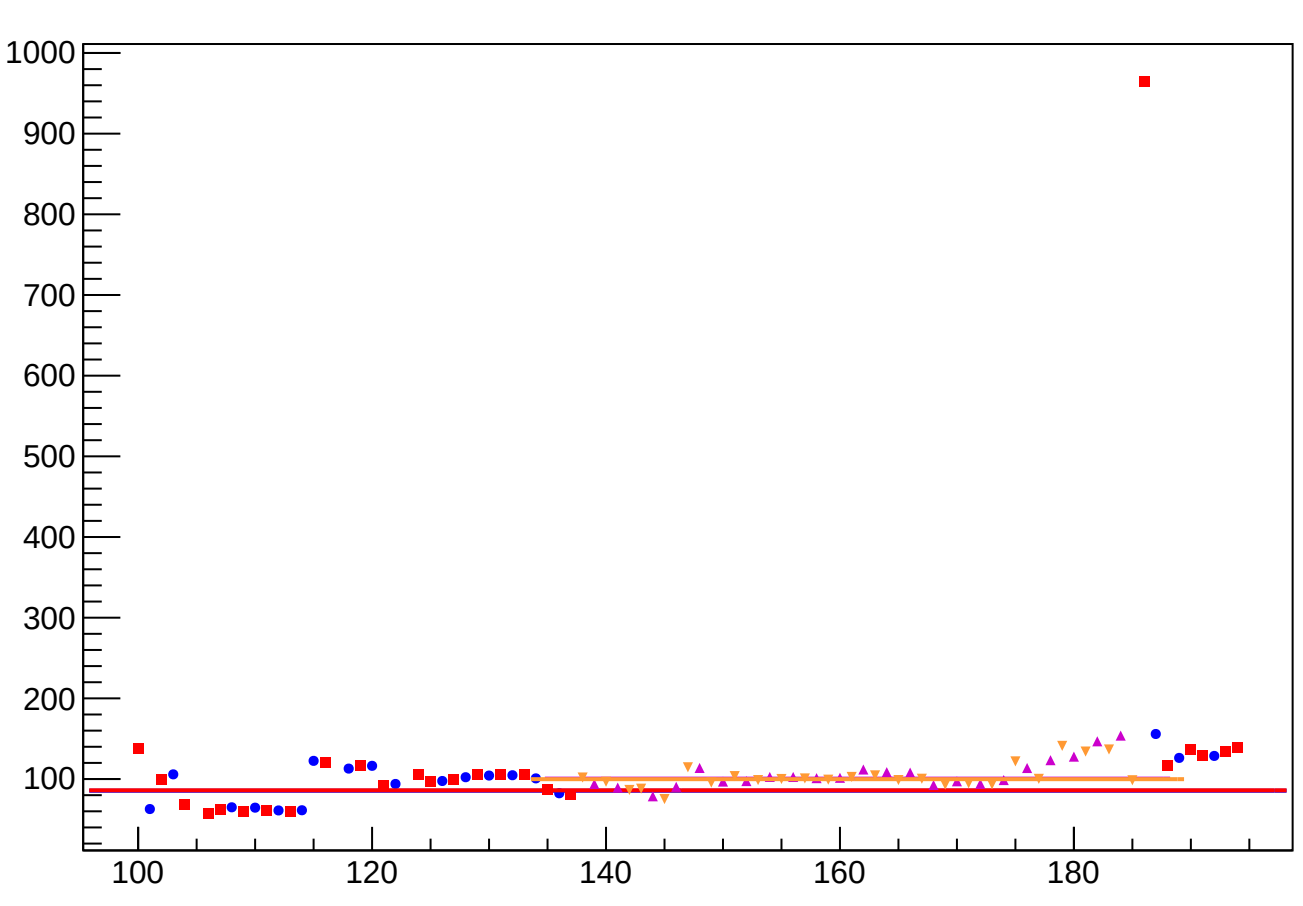
Right: 675.876+/-0.120 χ^2/NDF: 7694361.7/43

In: 681.700+/-0.096 χ^2/NDF:3476485.2/41

Out: 676.686+/-0.091 χ^2/NDF:5529001.8/49

All: 679.073+/-0.066 χ^2/NDF: 9006922.9/91


eigen_cor_asym_sam_1548_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
100
120
140
160
180
Right In: -21.763+/-29.821 χ²/NDF: 16.7/18
Left Out: 50.322+/-22.958 χ²/NDF:33.4/24
Right Out: 69.752+/-27.640 χ²/NDF: 19.7/24
Left In: 43.026+/-23.758 χ²/NDF:26.6/22
Left: 46.799+/-16.509 χ²/NDF: 60.1/47
Right: 27.464+/-20.272 χ²/NDF: 41.4/43
In: 17.871+/-18.582 χ²/NDF:46.2/41
Out: 58.254+/-17.660 χ²/NDF:53.4/49
All: 39.089+/-12.801 χ²/NDF: 102.1/91



Right In: 85.506+/-0.021 χ^2/NDF: 1228434.8/18

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 86.030+/-0.020 χ^2/NDF: 2485902.4/24

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

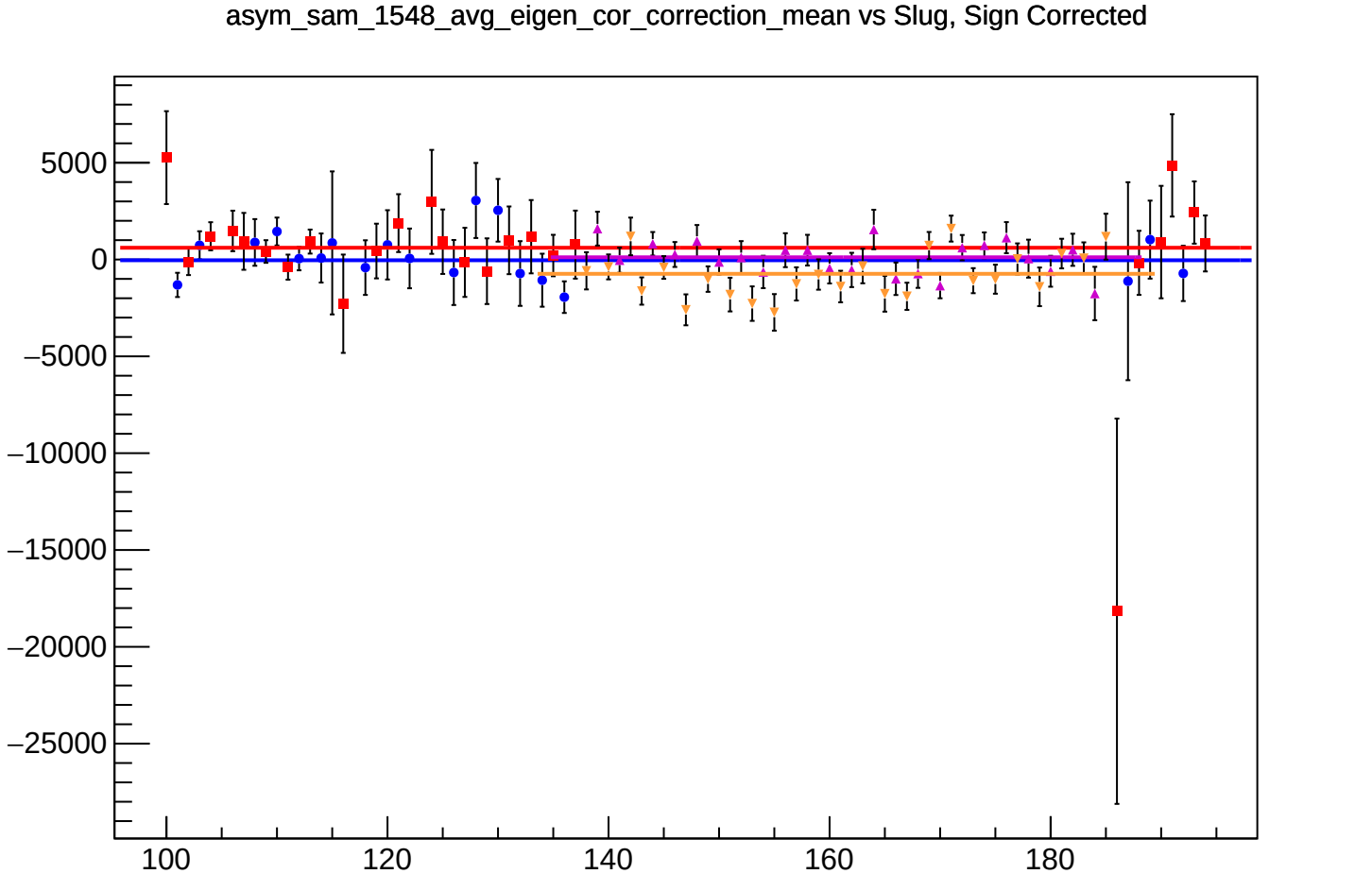
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 85.788+/-0.014 χ^2/NDF: 3714668.7/43

In: 94.677+/-0.013 χ^2/NDF:2194485.3/41

Out: 94.201+/-0.012 χ^2/NDF:3479086.0/49

All: 94.427+/-0.009 χ^2/NDF: 5674260.0/91



Right In: -37.842+/-250.665 χ^2/NDF: 22.4/18

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 607.737+/-229.042 χ^2/NDF: 20.6/24

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

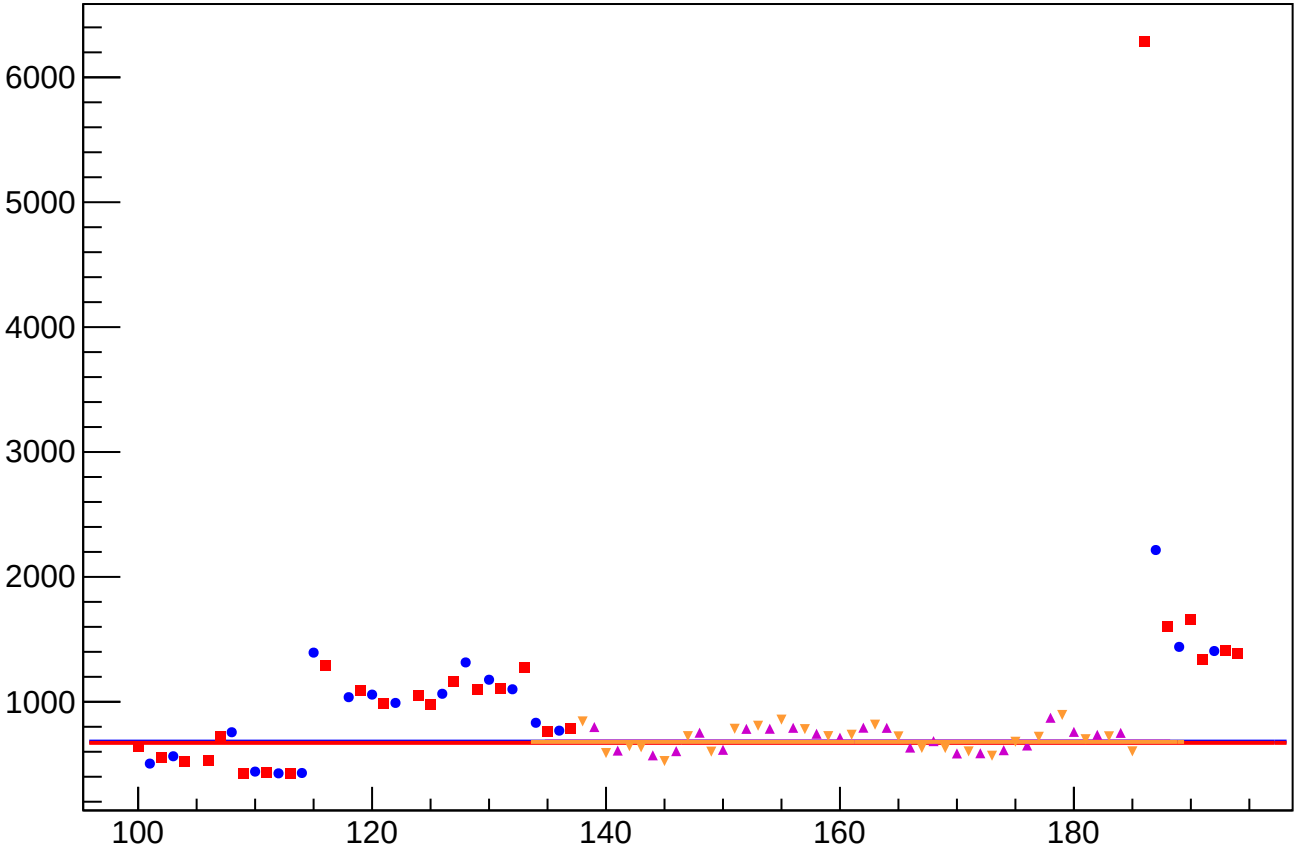
Right: 313.988+/-169.086 χ^2/NDF: 46.6/43

In: 70.818+/-135.459 χ^2/NDF:46.4/41

Out: -310.628+/-129.110 χ^2/NDF:93.8/49

All: -129.053+/-93.458 χ^2/NDF: 144.4/91

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 681.233+/-0.177 χ^2/NDF: 2902661.8/18

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 671.404+/-0.162 χ^2/NDF: 4790024.2/24

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

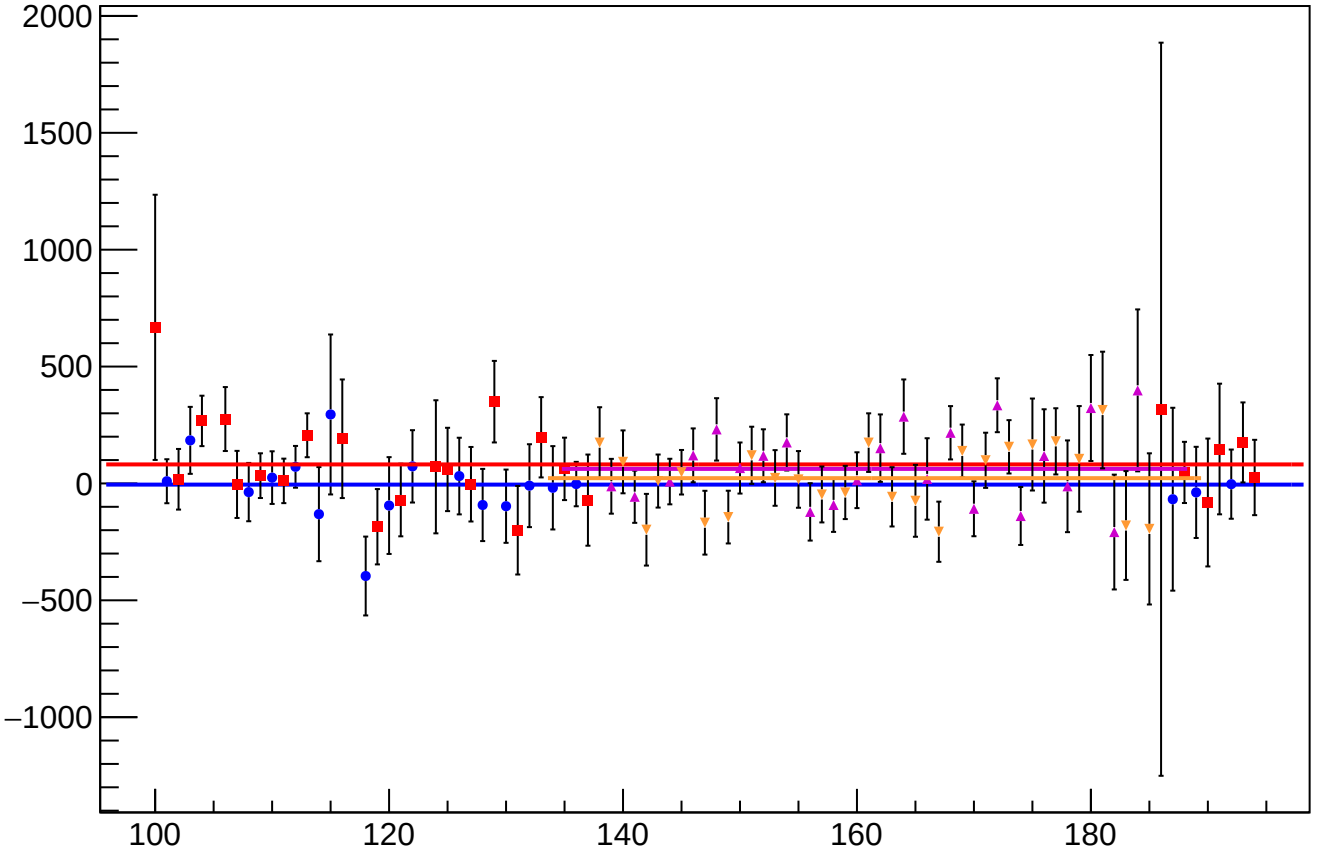
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 675.876+/-0.120 χ^2/NDF: 7694361.7/43

In: 681.700+/-0.096 χ^2/NDF:3476485.2/41

Out: 676.686+/-0.091 χ^2/NDF:5529001.8/49

All: 679.073+/-0.066 χ^2/NDF: 9006922.9/91



Right In: -5.029+/-32.689 χ^2/NDF: 10.4/18

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: 81.357+/-30.197 χ^2/NDF: 20.0/24

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

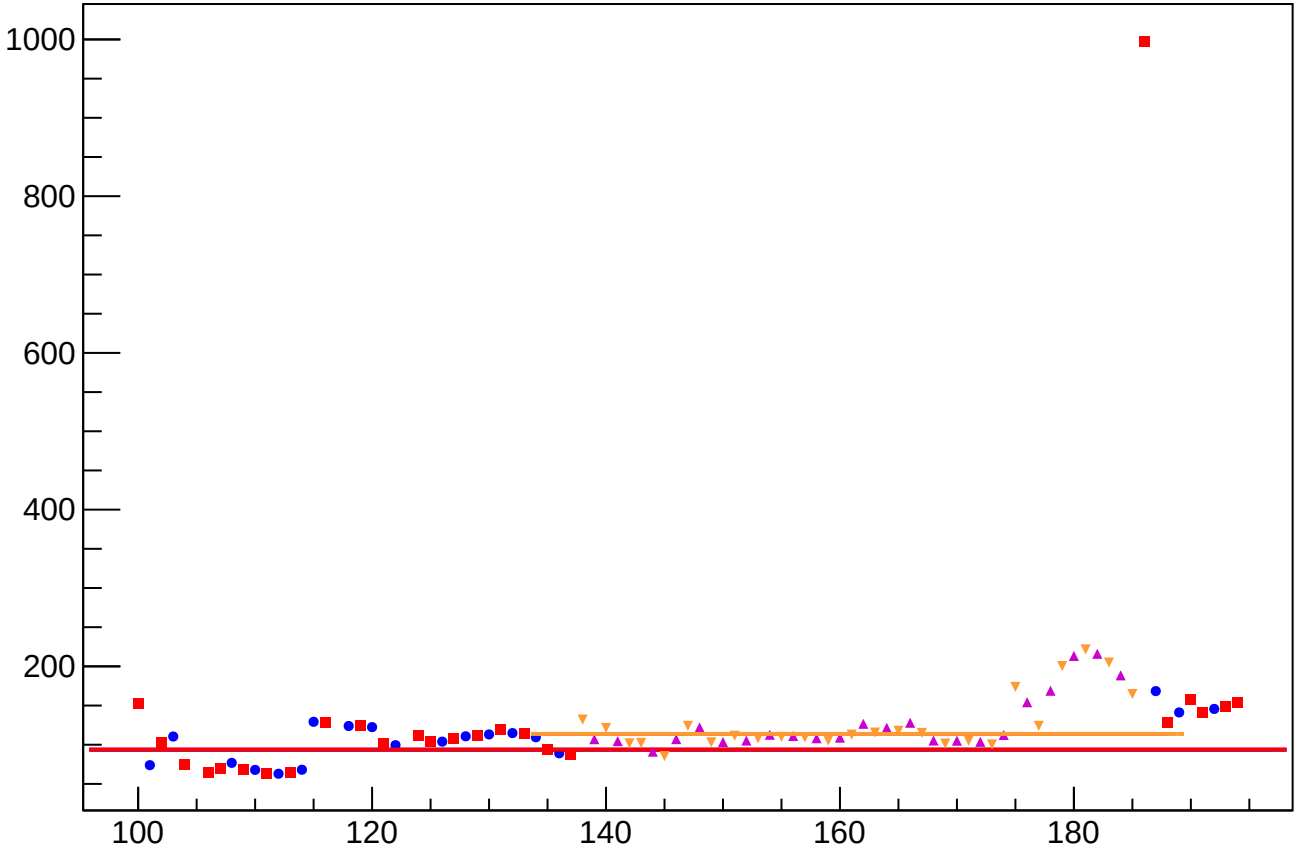
Right: 41.583+/-22.181 χ^2/NDF: 34.2/43

In: 34.512+/-20.971 χ^2/NDF:40.2/41

Out: 48.287+/-19.978 χ^2/NDF:43.7/49

All: 41.733+/-14.465 χ^2/NDF: 84.1/91

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 93.615+/-0.023 χ^2/NDF: 1203950.2/18

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 93.791+/-0.021 χ^2/NDF: 2480520.8/24

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

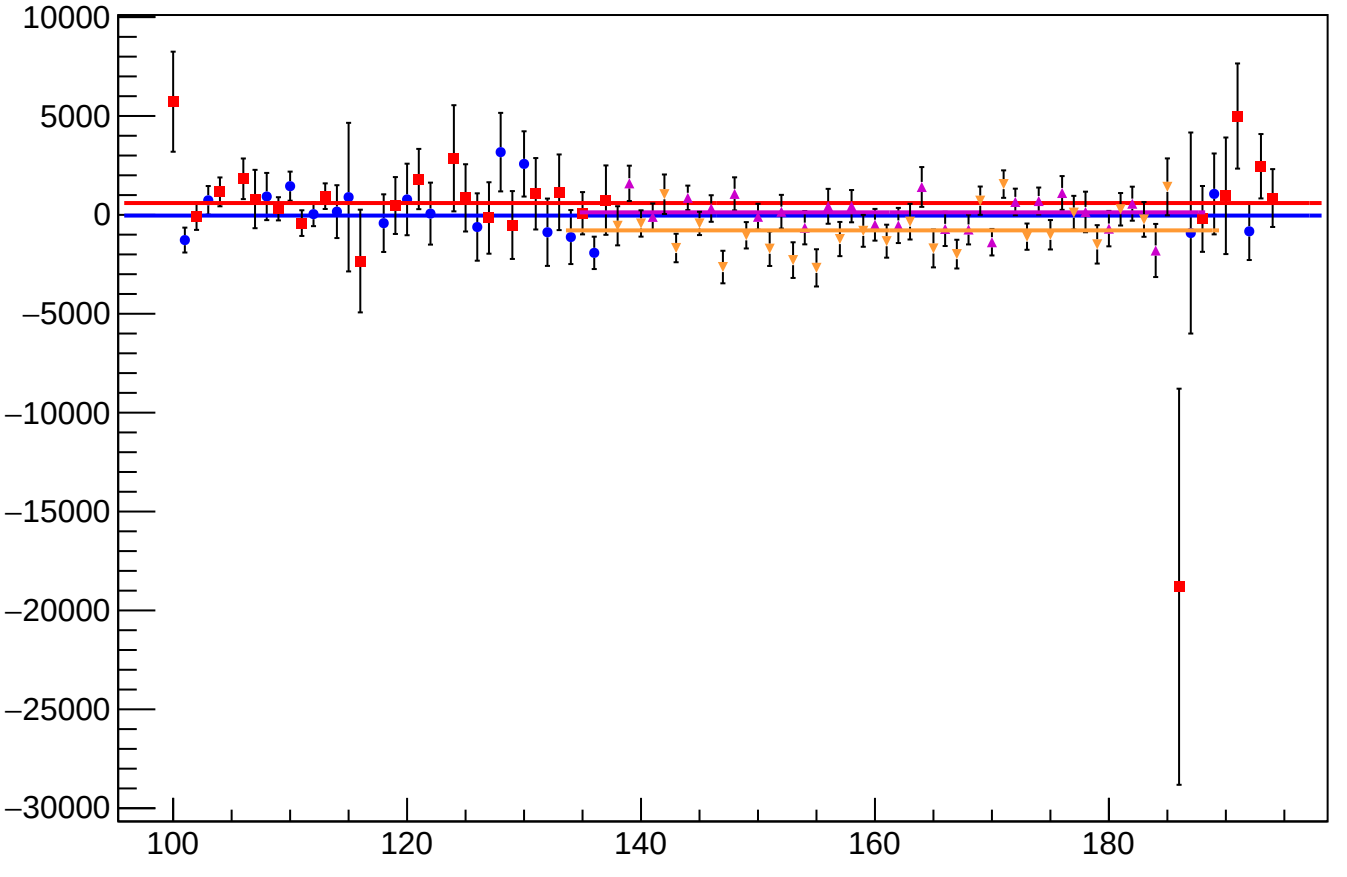
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 93.710+/-0.016 χ^2/NDF: 3684502.2/43

In: 105.420+/-0.015 χ^2/NDF:2963251.2/41

Out: 105.022+/-0.014 χ^2/NDF:4552536.3/49

All: 105.211+/-0.010 χ^2/NDF: 7516164.3/91



Right In: -35.854+/-253.075 χ^2/NDF: 22.2/18

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: 597.954+/-231.523 χ^2/NDF: 21.8/24

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

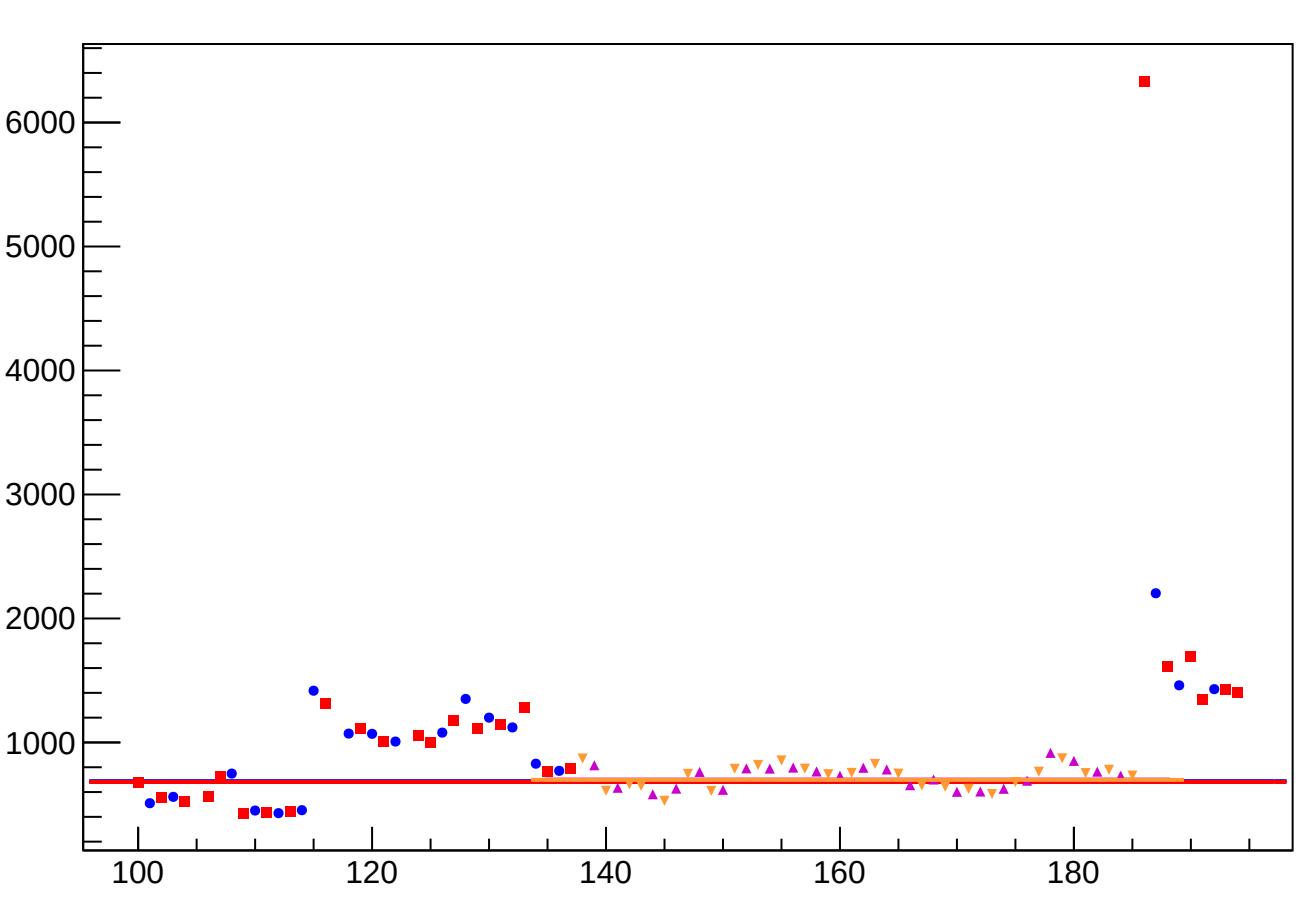
Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

Right: 309.183+/-170.823 χ^2/NDF: 47.4/43

In: 79.127+/-138.368 χ^2/NDF:45.2/41

Out: -335.697+/-131.894 χ^2/NDF:91.3/49

All: -138.215+/-95.470 χ^2/NDF: 141.2/91



Right In: 687.725+/-0.179 χ^2/NDF: 2922002.1/18

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 681.162+/-0.164 χ^2/NDF: 4777436.9/24

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

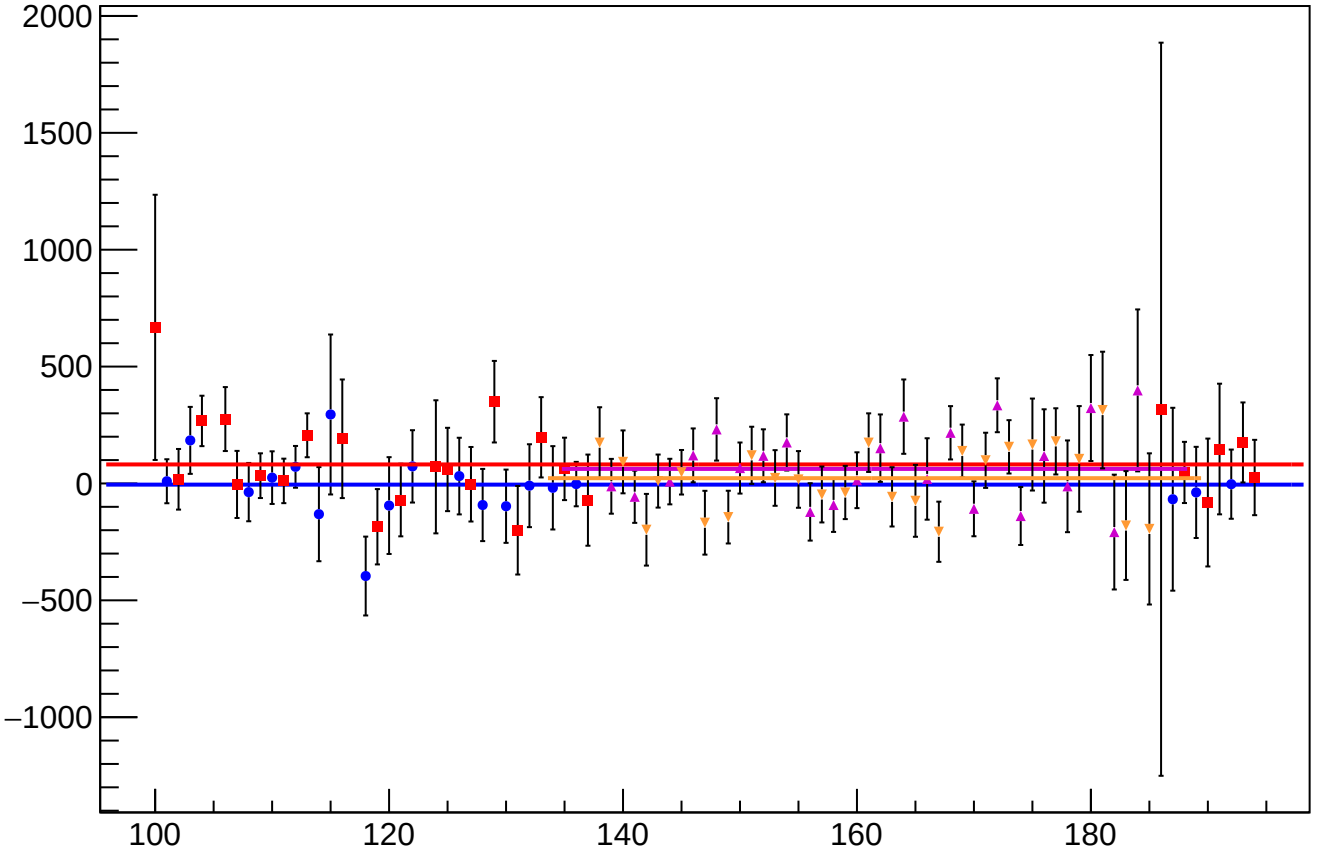
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 684.152+/-0.121 χ^2/NDF: 7700171.2/43

In: 696.386+/-0.098 χ^2/NDF:3509662.4/41

Out: 692.696+/-0.093 χ^2/NDF:5499471.7/49

All: 694.452+/-0.068 χ^2/NDF: 9009879.6/91



Right In: -5.028+/-32.689 χ^2/NDF: 10.4/18

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: 81.357+/-30.197 χ^2/NDF: 20.0/24

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

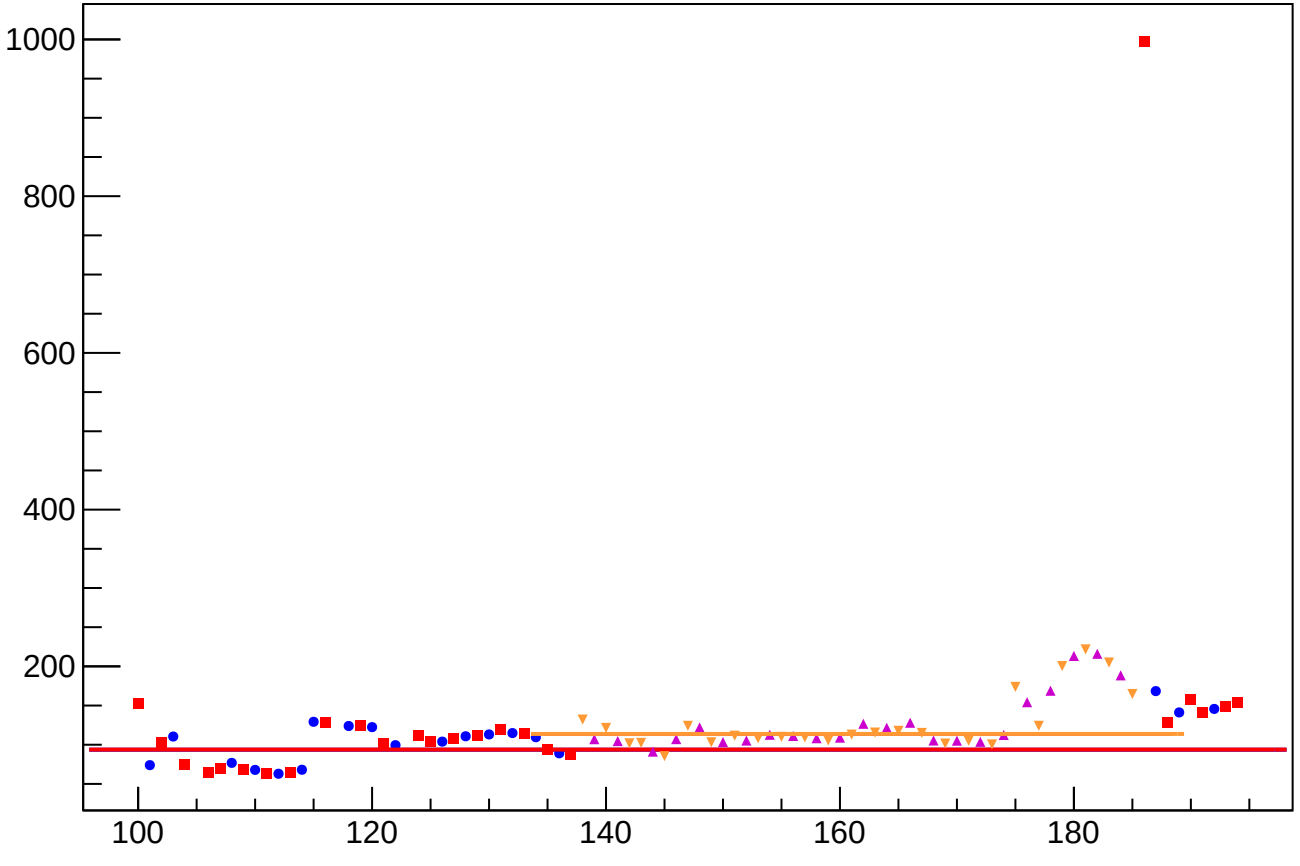
Right: 41.583+/-22.181 χ^2/NDF: 34.2/43

In: 34.513+/-20.971 χ^2/NDF:40.2/41

Out: 48.288+/-19.978 χ^2/NDF:43.7/49

All: 41.734+/-14.465 χ^2/NDF: 84.1/91

eigen_dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 93.615+/-0.023 χ^2/NDF: 1203946.6/18

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

Right Out: 93.791+/-0.021 χ^2/NDF: 2480521.2/24

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

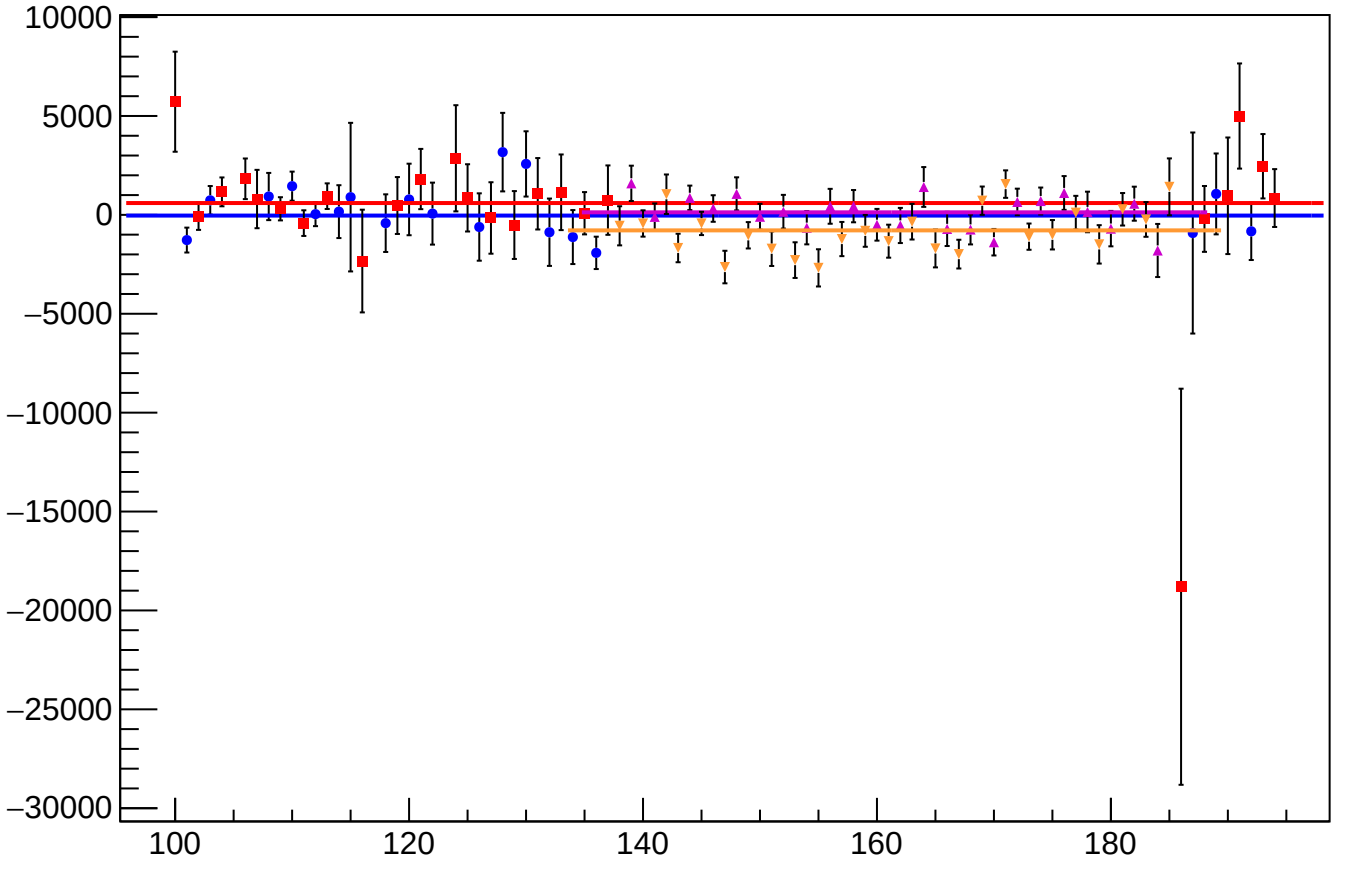
Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

Right: 93.710+/-0.016 χ^2/NDF: 3684498.9/43

In: 105.420+/-0.015 χ^2/NDF:2963234.6/41

Out: 105.022+/-0.014 χ^2/NDF:4552534.7/49

All: 105.212+/-0.010 χ^2/NDF: 7516146.2/91



Right In: -35.853+/-253.074 χ^2/NDF: 22.2/18

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: 597.953+/-231.522 χ^2/NDF: 21.8/24

Left In: 128.154+/-165.255 χ^2/NDF:22.7/22

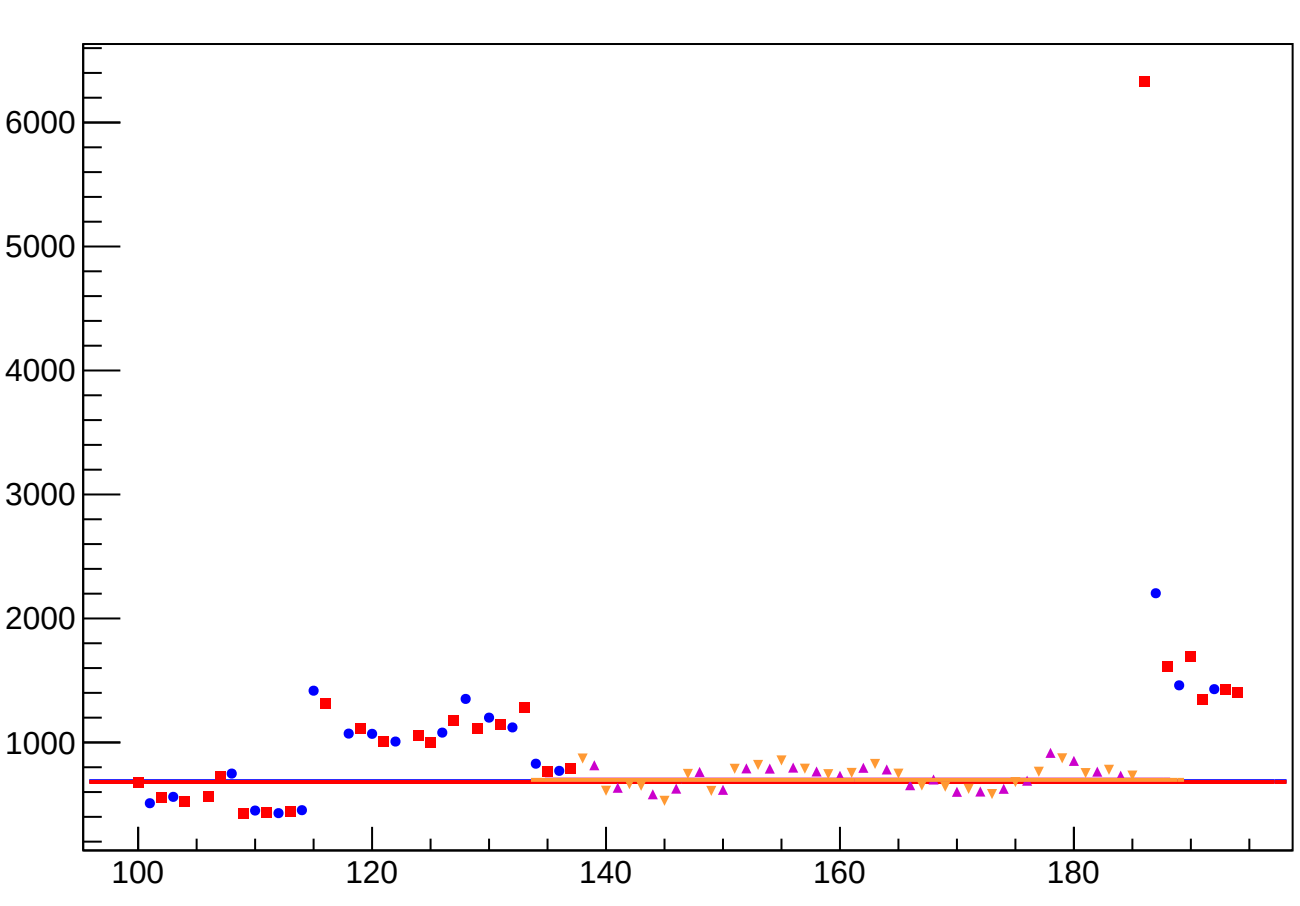
Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

Right: 309.182+/-170.823 χ^2/NDF: 47.4/43

In: 79.127+/-138.368 χ^2/NDF:45.2/41

Out: -335.696+/-131.894 χ^2/NDF:91.3/49

All: -138.215+/-95.470 χ^2/NDF: 141.2/91



Right In: 687.724+/-0.179 χ^2/NDF: 2922004.4/18

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 681.161+/-0.164 χ^2/NDF: 4777434.5/24

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

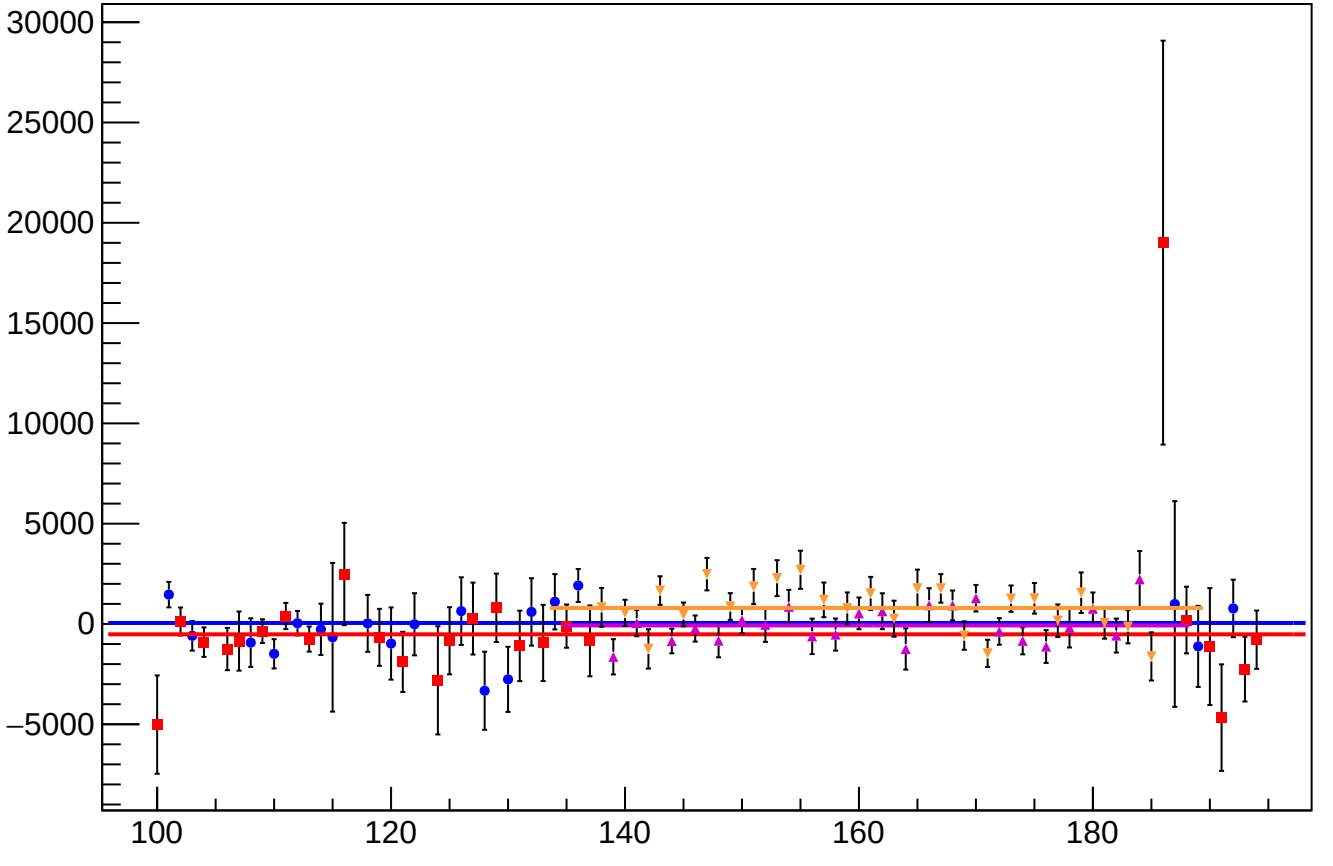
Right: 684.151+/-0.121 χ^2/NDF: 7700171.0/43

In: 696.385+/-0.098 χ^2/NDF:3509660.1/41

Out: 692.695+/-0.093 χ^2/NDF:5499467.7/49

All: 694.452+/-0.068 χ^2/NDF: 9009873.3/91

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 50.110+/-253.307 χ^2/NDF: 23.8/18

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: -516.313+/-231.311 χ^2/NDF: 18.9/24

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

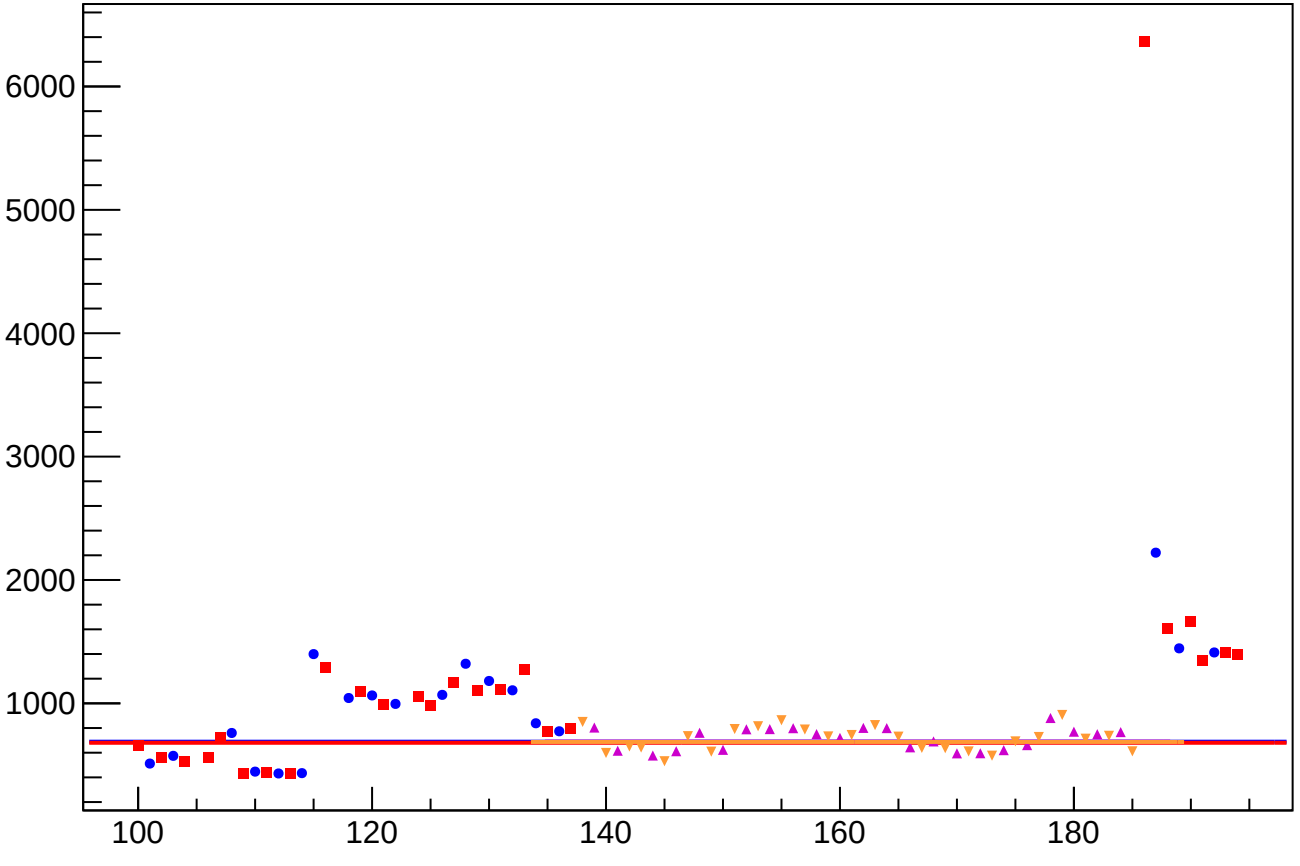
Right: -258.757+/-170.809 χ^2/NDF: 45.5/43

In: -37.343+/-137.001 χ^2/NDF:48.9/41

Out: 378.608+/-130.548 χ^2/NDF:87.3/49

All: 180.659+/-94.510 χ^2/NDF: 141.0/91

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 689.254+/-0.179 χ^2/NDF: 2861078.7/18

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

Right Out: 680.558+/-0.164 χ^2/NDF: 4726884.1/24

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

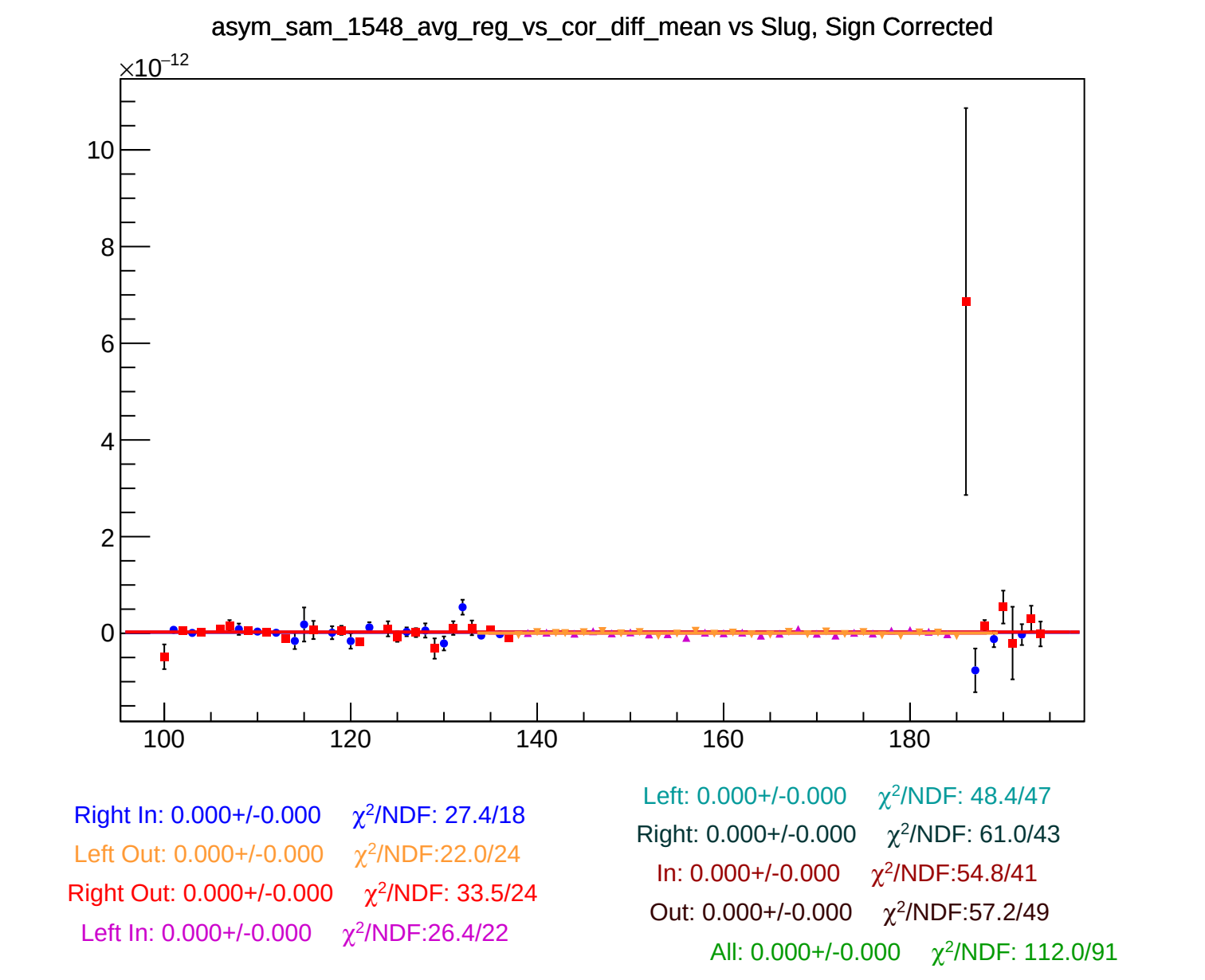
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

Right: 684.512+/-0.121 χ^2/NDF: 7589248.2/43

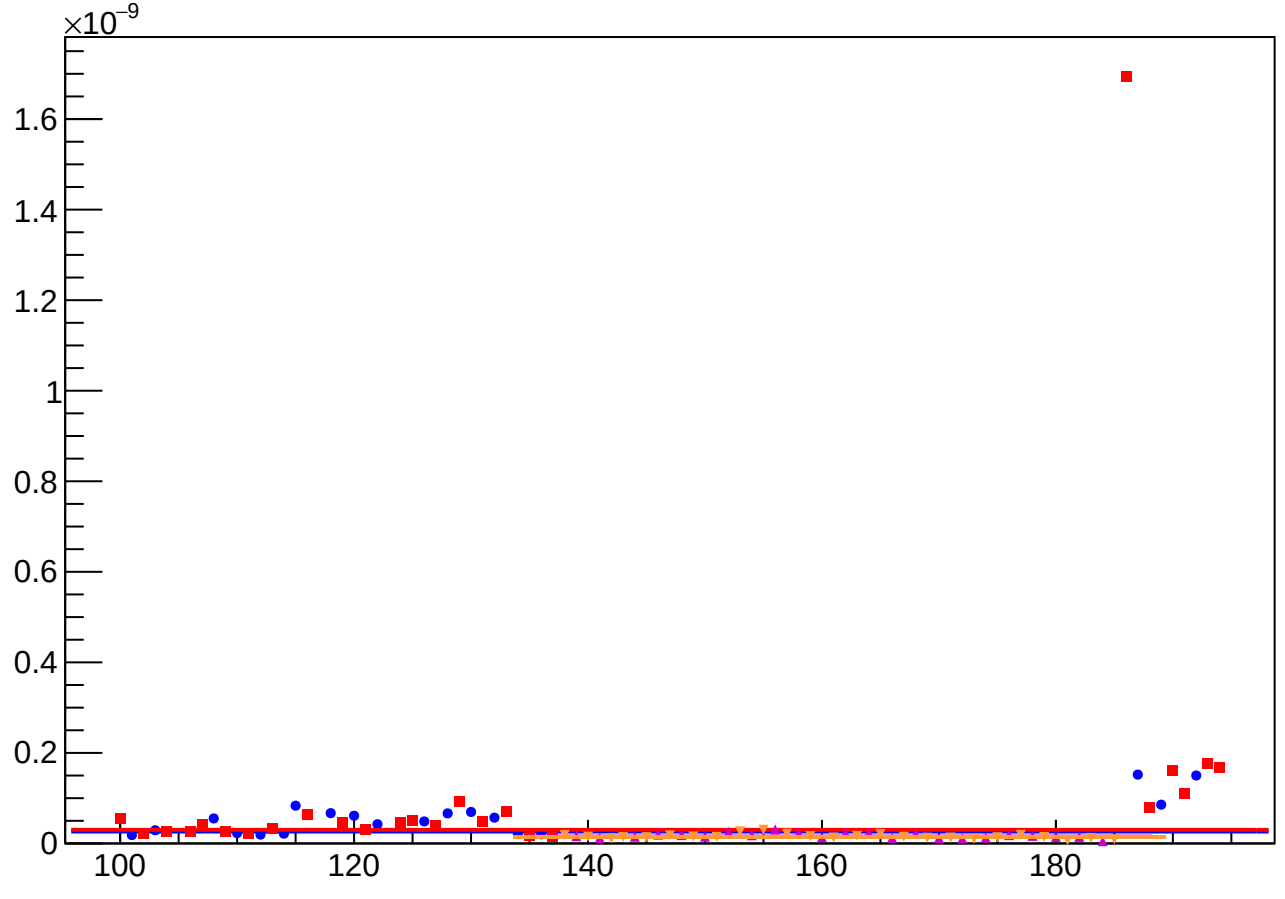
In: 689.779+/-0.097 χ^2/NDF:3428179.9/41

Out: 685.113+/-0.092 χ^2/NDF:5456016.6/49

All: 687.334+/-0.067 χ^2/NDF: 8885412.4/91


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
Right In: 0.000+/-0.000 χ²/NDF: 27.4/18
Left Out: 0.000+/-0.000 χ²/NDF:22.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 33.5/24
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: 61.0/43
In: 0.000+/-0.000 χ²/NDF:54.8/41
Out: 0.000+/-0.000 χ²/NDF:57.2/49
All: 0.000+/-0.000 χ²/NDF: 112.0/91

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2385989.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3253965.3/24

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

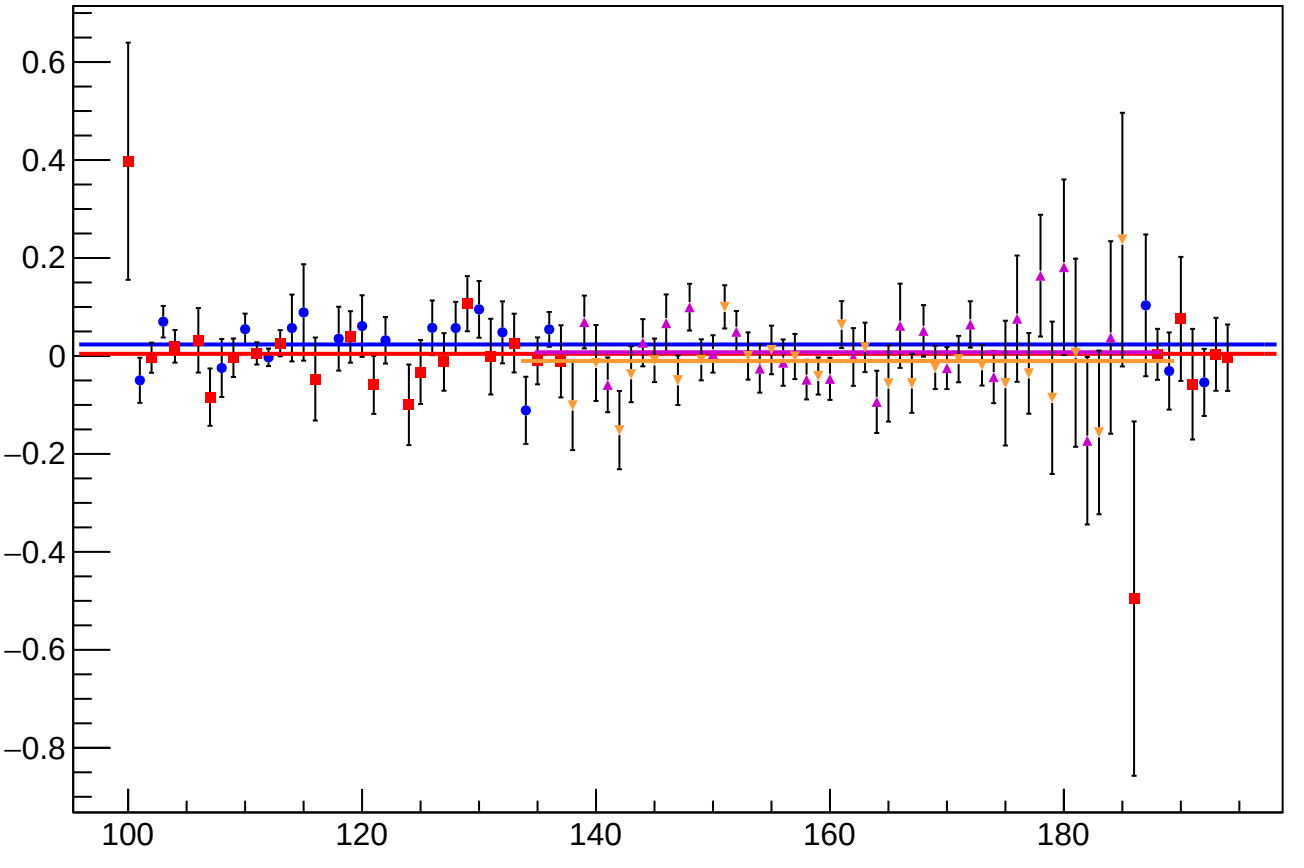
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 5693276.9/43

In: 0.000+/-0.000 χ^2/NDF:4453025.2/41

Out: 0.000+/-0.000 χ^2/NDF:5958433.7/49

All: 0.000+/-0.000 χ^2/NDF: 10430477.7/91



Right In: 0.023+/-0.010 χ^2/NDF: 18.6/18

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.004+/-0.010 χ^2/NDF: 16.2/24

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

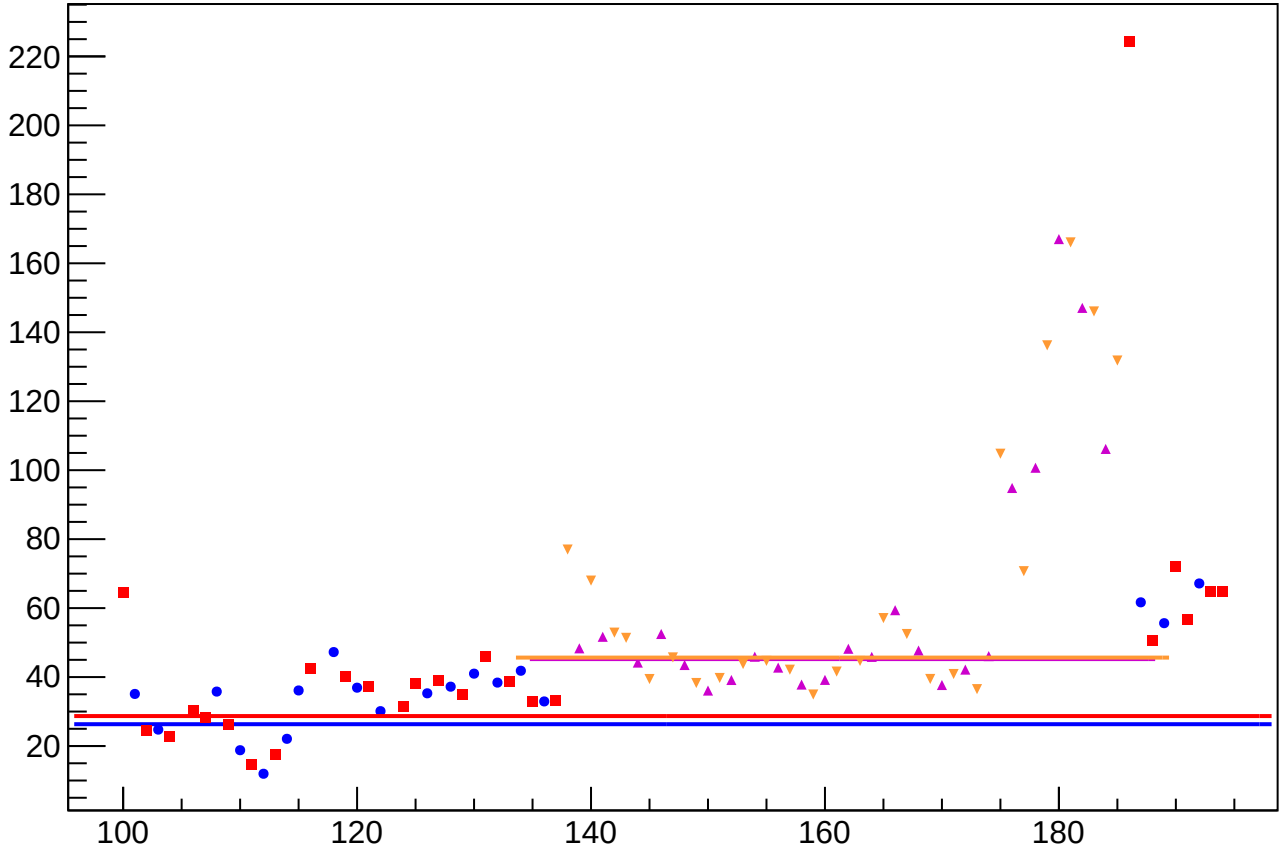
Right: 0.014+/-0.007 χ^2/NDF: 36.6/43

In: 0.016+/-0.008 χ^2/NDF:43.0/41

Out: -0.002+/-0.007 χ^2/NDF:35.2/49

All: 0.007+/-0.005 χ^2/NDF: 81.2/91

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.333+/-0.007 χ^2/NDF: 3450156.7/18

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 28.694+/-0.007 χ^2/NDF: 4127230.4/24

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

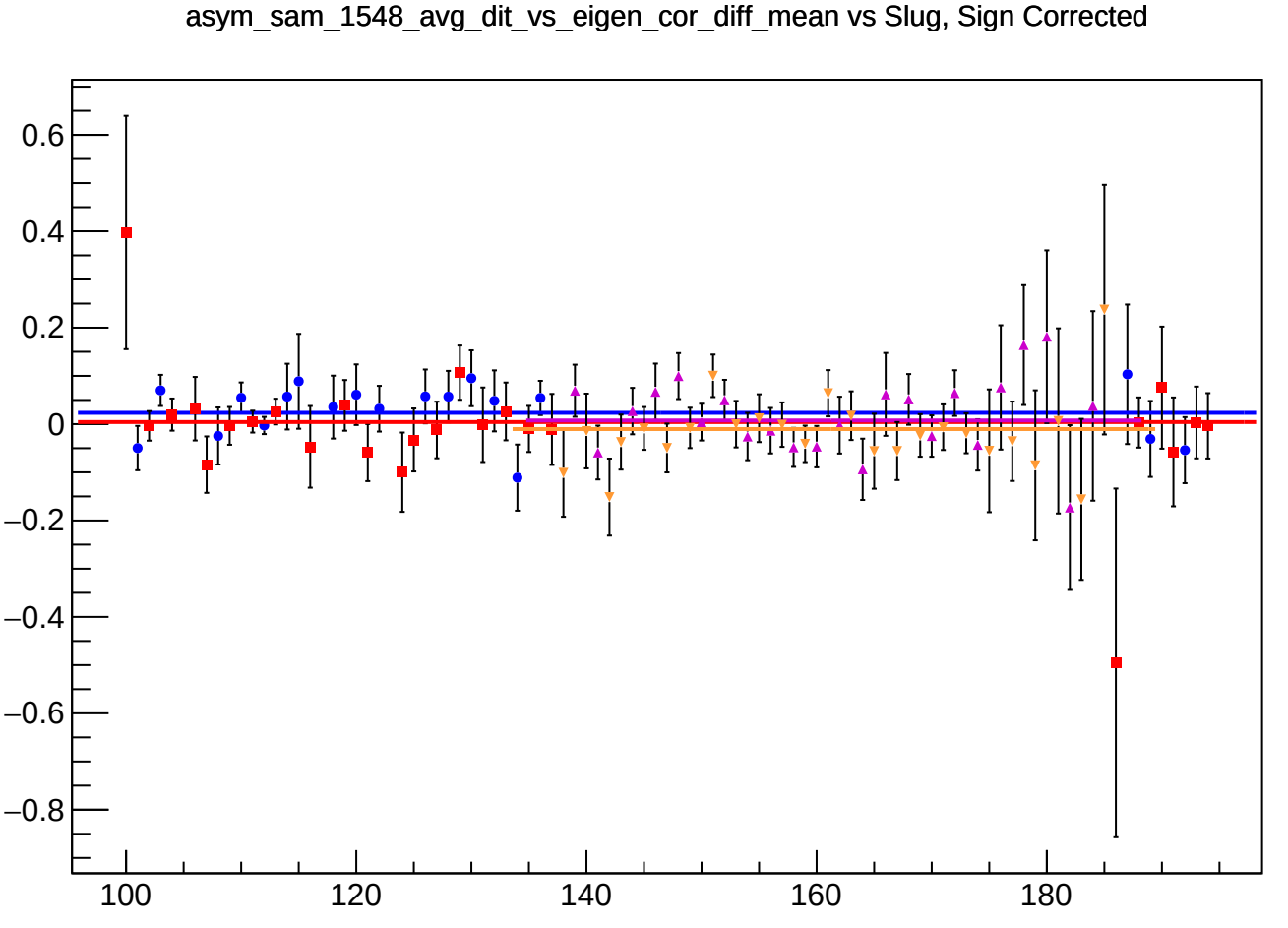
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 27.543+/-0.005 χ^2/NDF: 7633108.6/43

In: 34.652+/-0.005 χ^2/NDF:9504616.9/41

Out: 36.055+/-0.005 χ^2/NDF:10702069.6/49

All: 35.367+/-0.004 χ^2/NDF: 20241655.2/91



Right In: 0.023+/-0.010 χ^2/NDF: 18.6/18

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.004+/-0.010 χ^2/NDF: 16.2/24

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

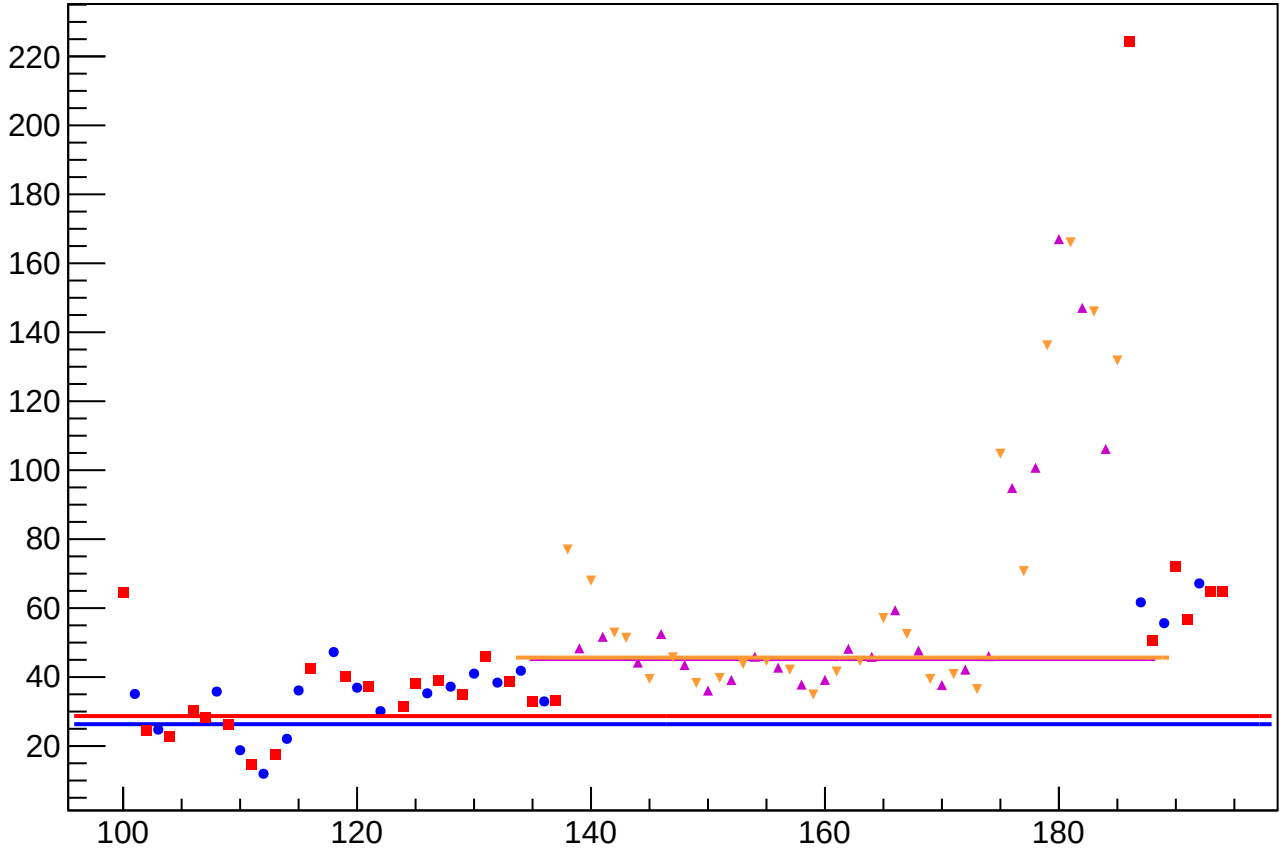
Right: 0.014+/-0.007 χ^2/NDF: 36.6/43

In: 0.016+/-0.008 χ^2/NDF:43.0/41

Out: -0.002+/-0.007 χ^2/NDF:35.2/49

All: 0.007+/-0.005 χ^2/NDF: 81.2/91

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.333+/-0.007 χ^2/NDF: 3450156.7/18

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 28.694+/-0.007 χ^2/NDF: 4127230.4/24

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

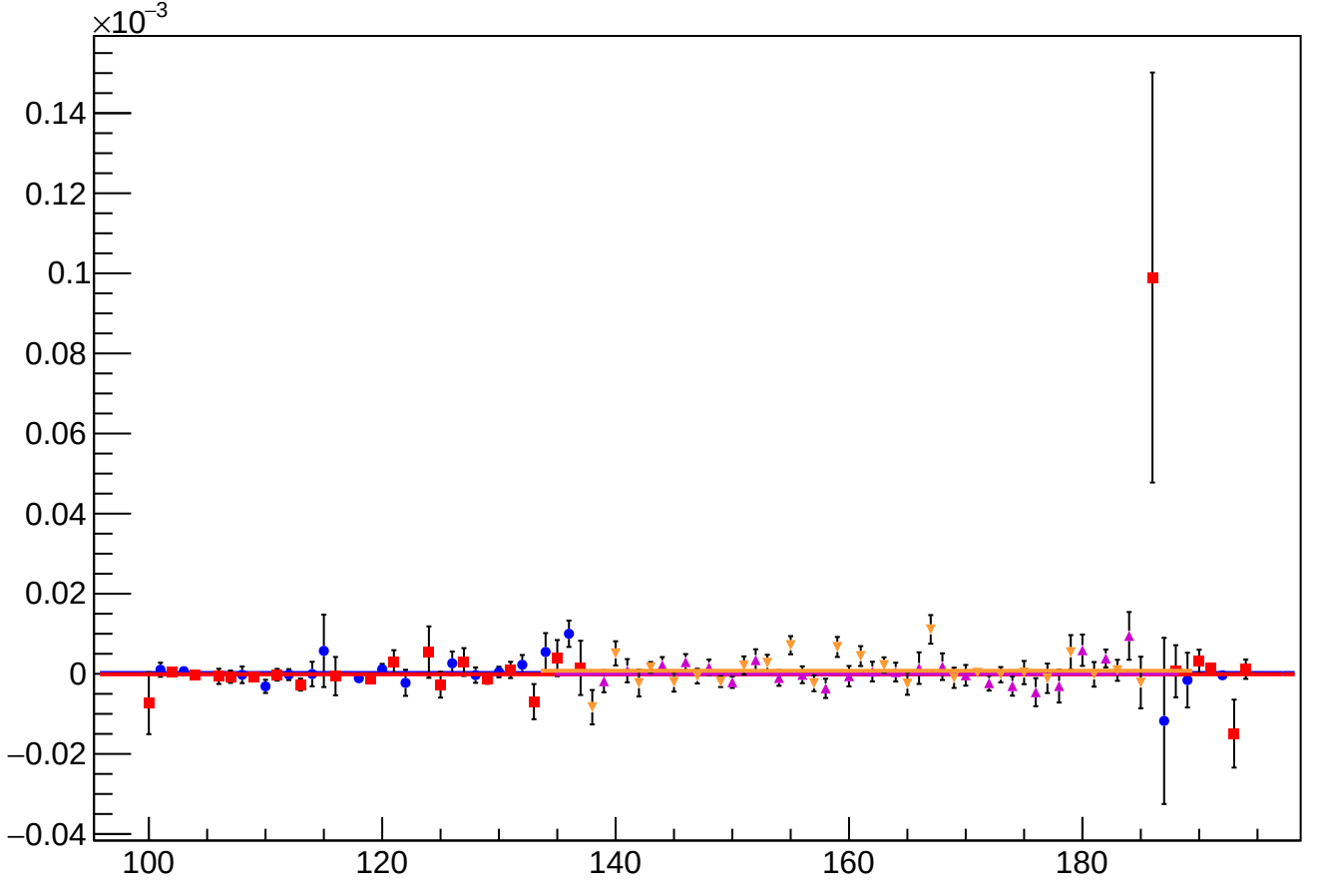
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 27.543+/-0.005 χ^2/NDF: 7633108.6/43

In: 34.652+/-0.005 χ^2/NDF:9504616.9/41

Out: 36.055+/-0.005 χ^2/NDF:10702069.6/49

All: 35.367+/-0.004 χ^2/NDF: 20241655.2/91



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/24

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

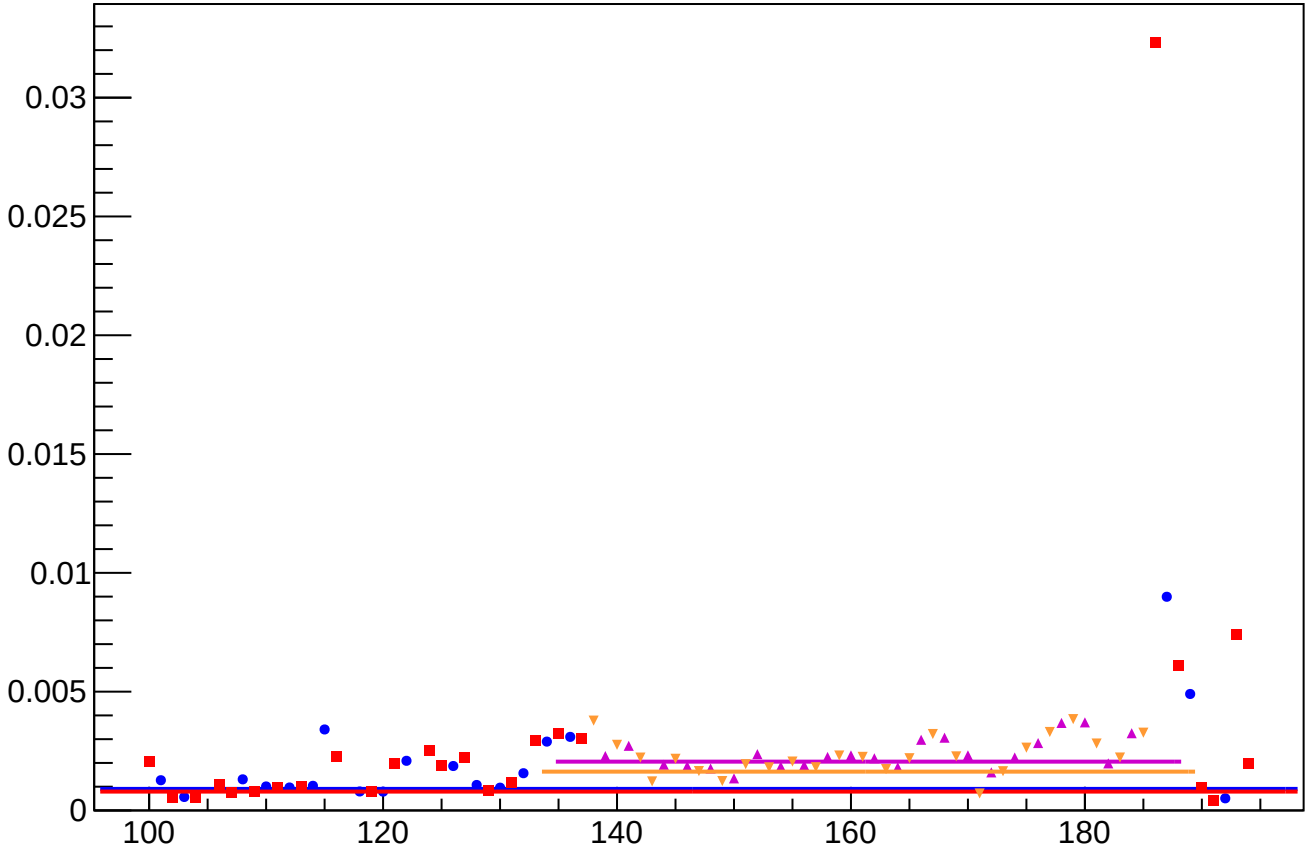
Right: 0.000+/-0.000 χ^2/NDF: 45.8/43

In: 0.000+/-0.000 χ^2/NDF:44.6/41

Out: 0.000+/-0.000 χ^2/NDF:74.4/49

All: 0.000+/-0.000 χ^2/NDF: 119.0/91

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3937745.5/18

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7535157.9/24

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

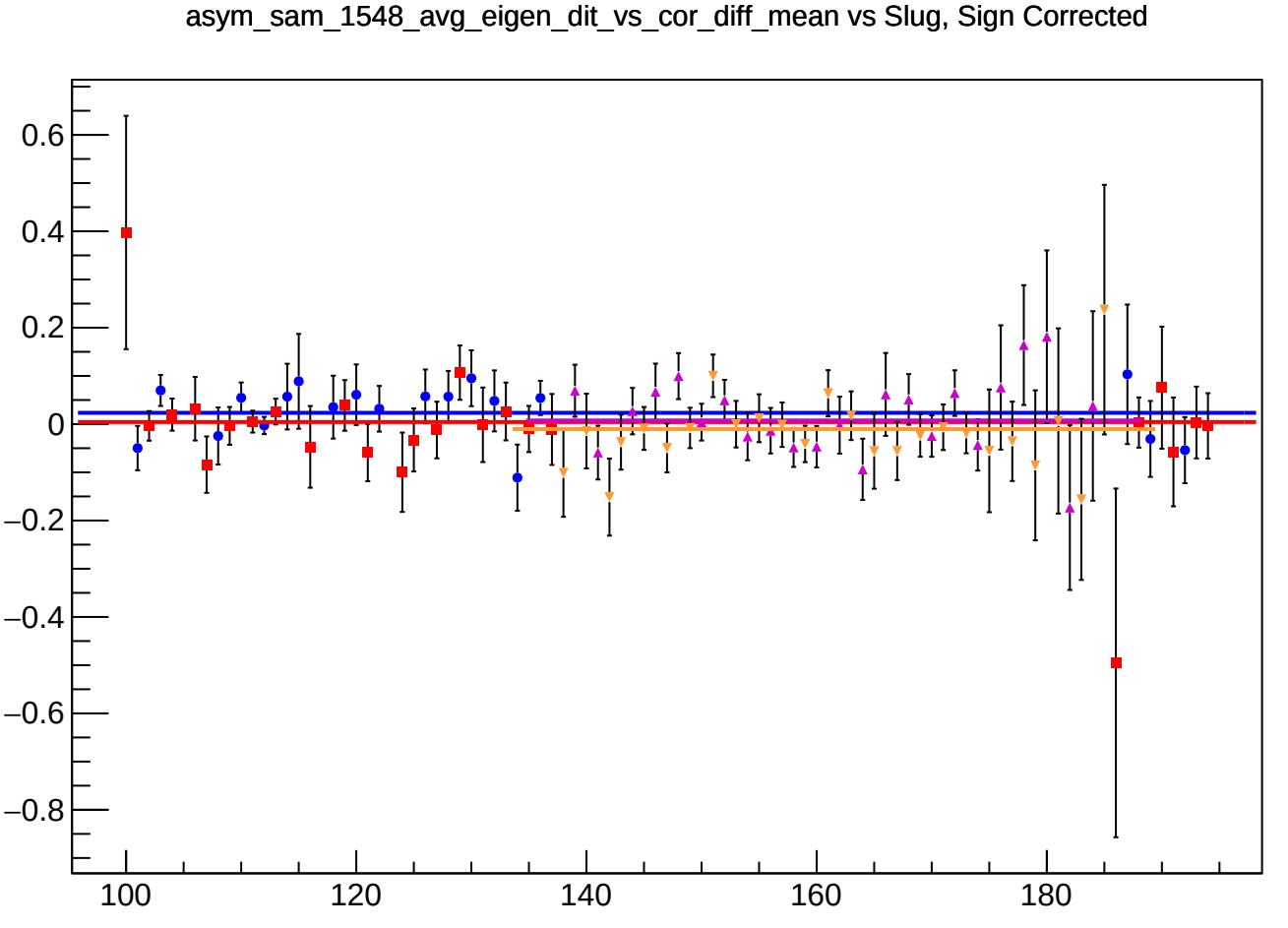
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 11581500.3/43

In: 0.001+/-0.000 χ^2/NDF:12742074.7/41

Out: 0.001+/-0.000 χ^2/NDF:19365110.9/49

All: 0.001+/-0.000 χ^2/NDF: 32771115.9/91



Right In: 0.023+/-0.010 χ^2/NDF: 18.6/18

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.004+/-0.010 χ^2/NDF: 16.2/24

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

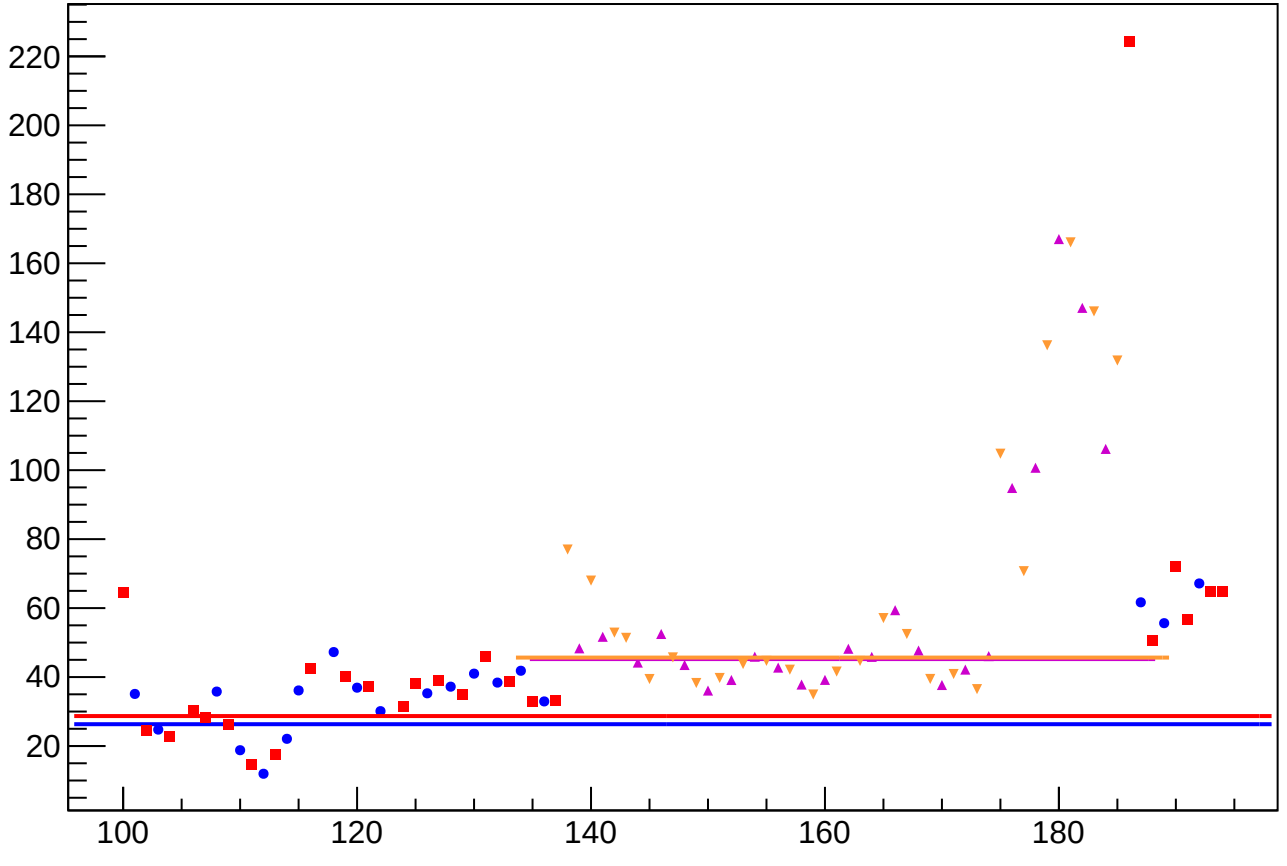
Right: 0.014+/-0.007 χ^2/NDF: 36.6/43

In: 0.016+/-0.008 χ^2/NDF:43.0/41

Out: -0.002+/-0.007 χ^2/NDF:35.2/49

All: 0.007+/-0.005 χ^2/NDF: 81.2/91

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.332+/-0.007 χ^2/NDF: 3450351.5/18

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 28.694+/-0.007 χ^2/NDF: 4127413.0/24

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

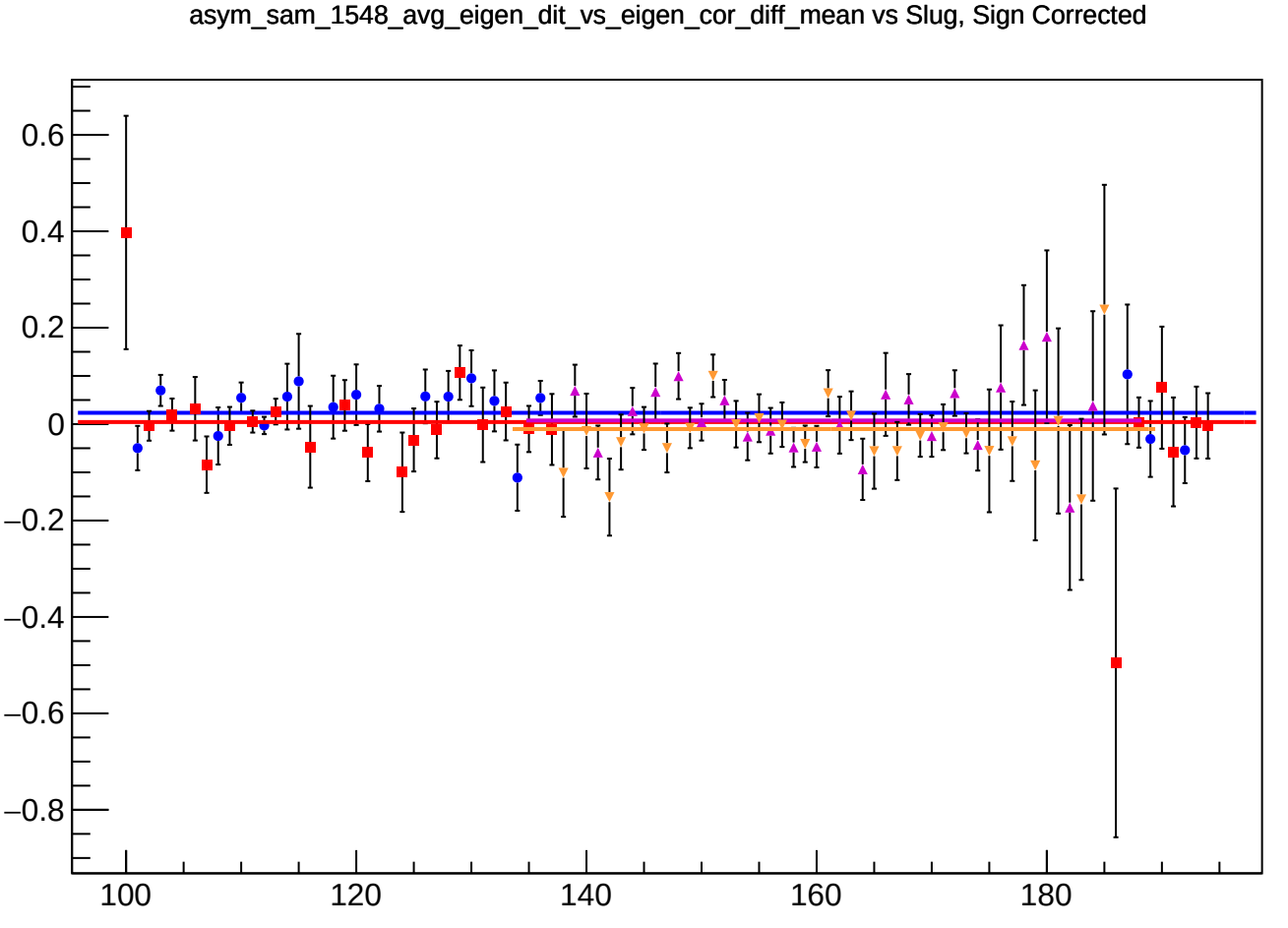
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 27.543+/-0.005 χ^2/NDF: 7633494.5/43

In: 34.652+/-0.005 χ^2/NDF:9505065.9/41

Out: 36.055+/-0.005 χ^2/NDF:10702422.5/49

All: 35.367+/-0.004 χ^2/NDF: 20242464.0/91



Right In: 0.023+/-0.010 χ^2/NDF: 18.6/18

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.004+/-0.010 χ^2/NDF: 16.2/24

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

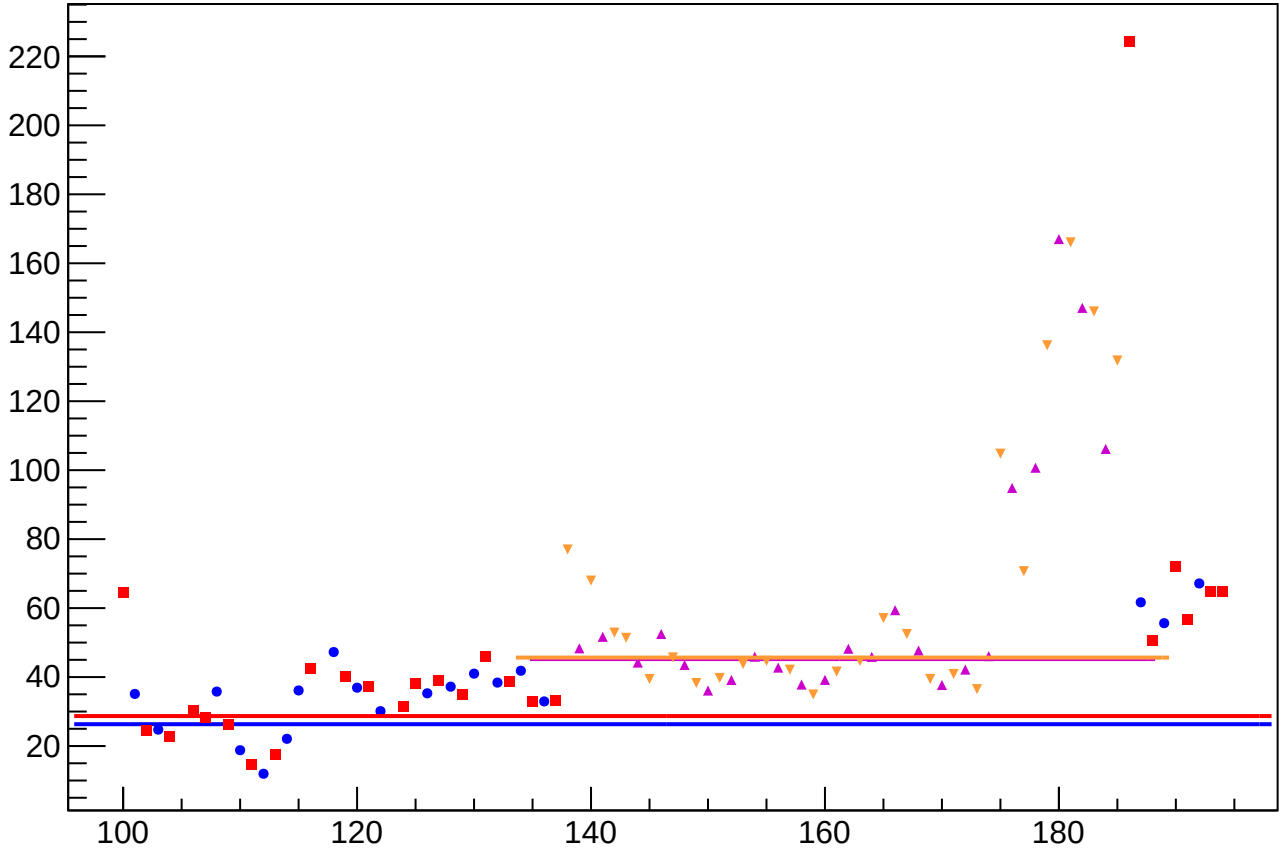
Right: 0.014+/-0.007 χ^2/NDF: 36.6/43

In: 0.016+/-0.008 χ^2/NDF:43.0/41

Out: -0.002+/-0.007 χ^2/NDF:35.2/49

All: 0.007+/-0.005 χ^2/NDF: 81.2/91

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.332+/-0.007 χ^2/NDF: 3450351.5/18

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 28.694+/-0.007 χ^2/NDF: 4127413.0/24

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

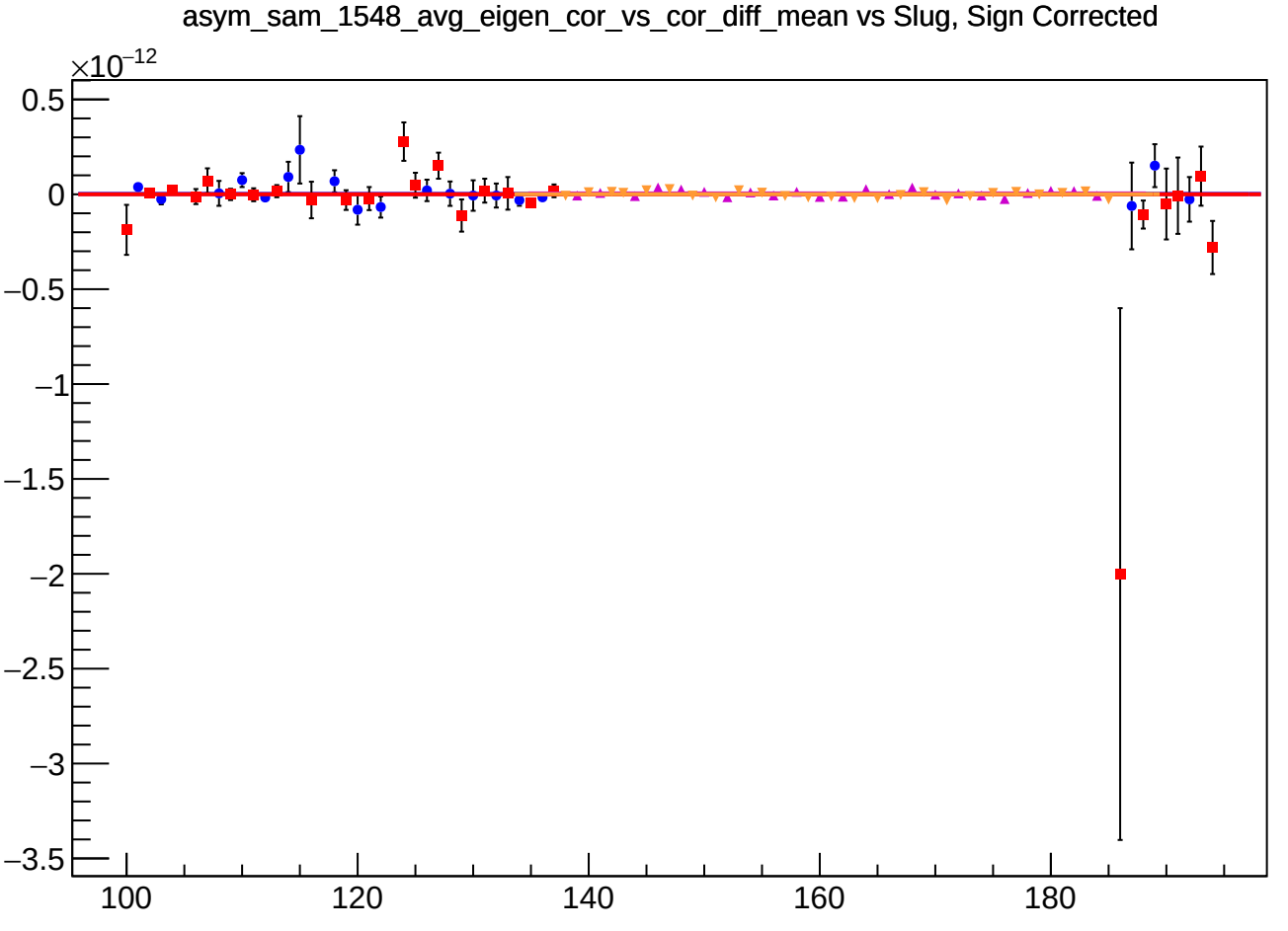
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 27.543+/-0.005 χ^2/NDF: 7633494.5/43

In: 34.652+/-0.005 χ^2/NDF:9505065.9/41

Out: 36.055+/-0.005 χ^2/NDF:10702422.5/49

All: 35.367+/-0.004 χ^2/NDF: 20242464.0/91



Right In: 0.000+/-0.000 χ^2/NDF: 20.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.2/24

Left In: 0.000+/-0.000 χ^2/NDF:23.7/22

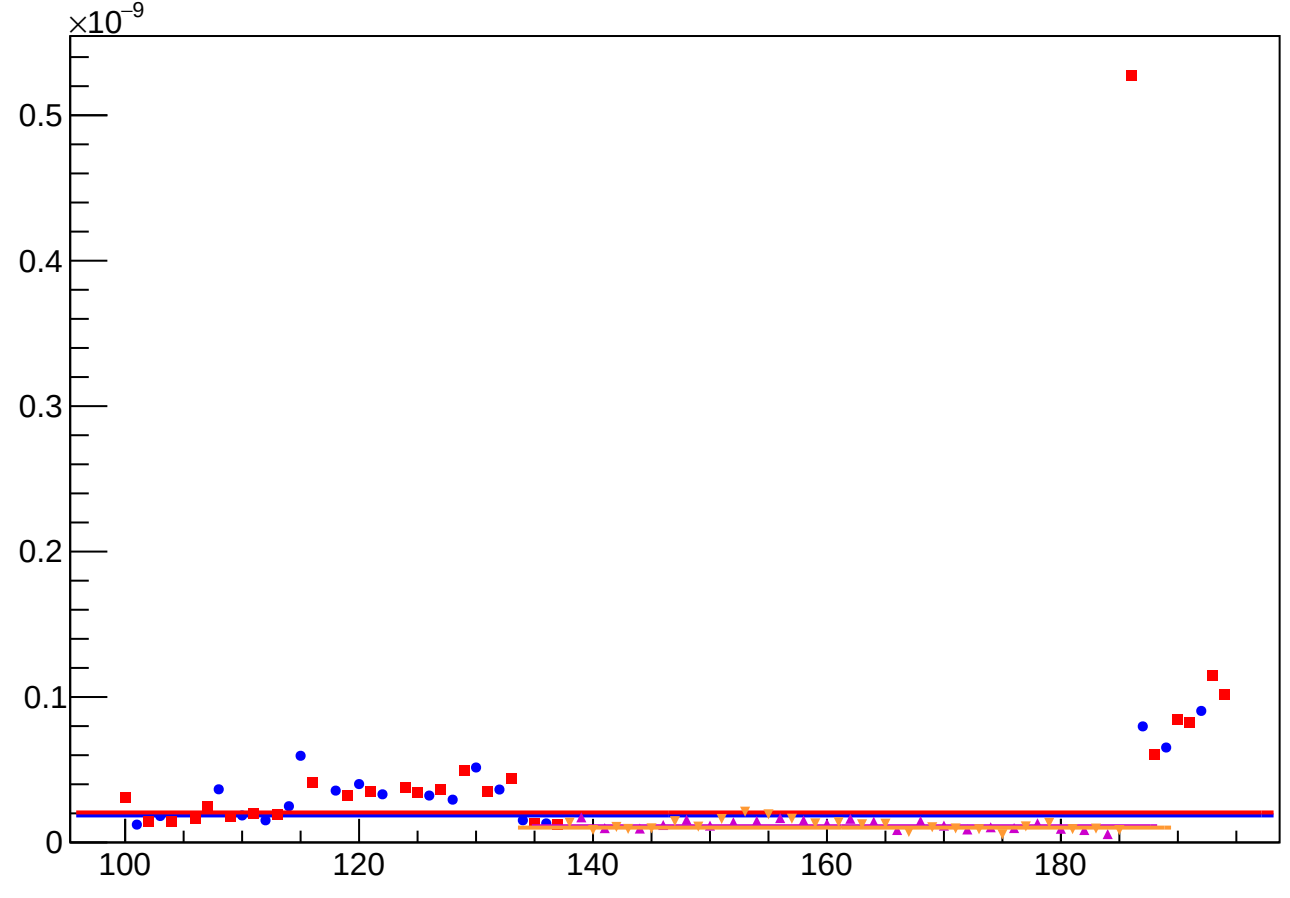
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: 0.000+/-0.000 χ^2/NDF: 52.8/43

In: 0.000+/-0.000 χ^2/NDF:44.4/41

Out: 0.000+/-0.000 χ^2/NDF:57.6/49

All: 0.000+/-0.000 χ^2/NDF: 102.8/91



Right In: 0.000+/-0.000 χ^2/NDF: 3117184.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4350388.2/24

Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

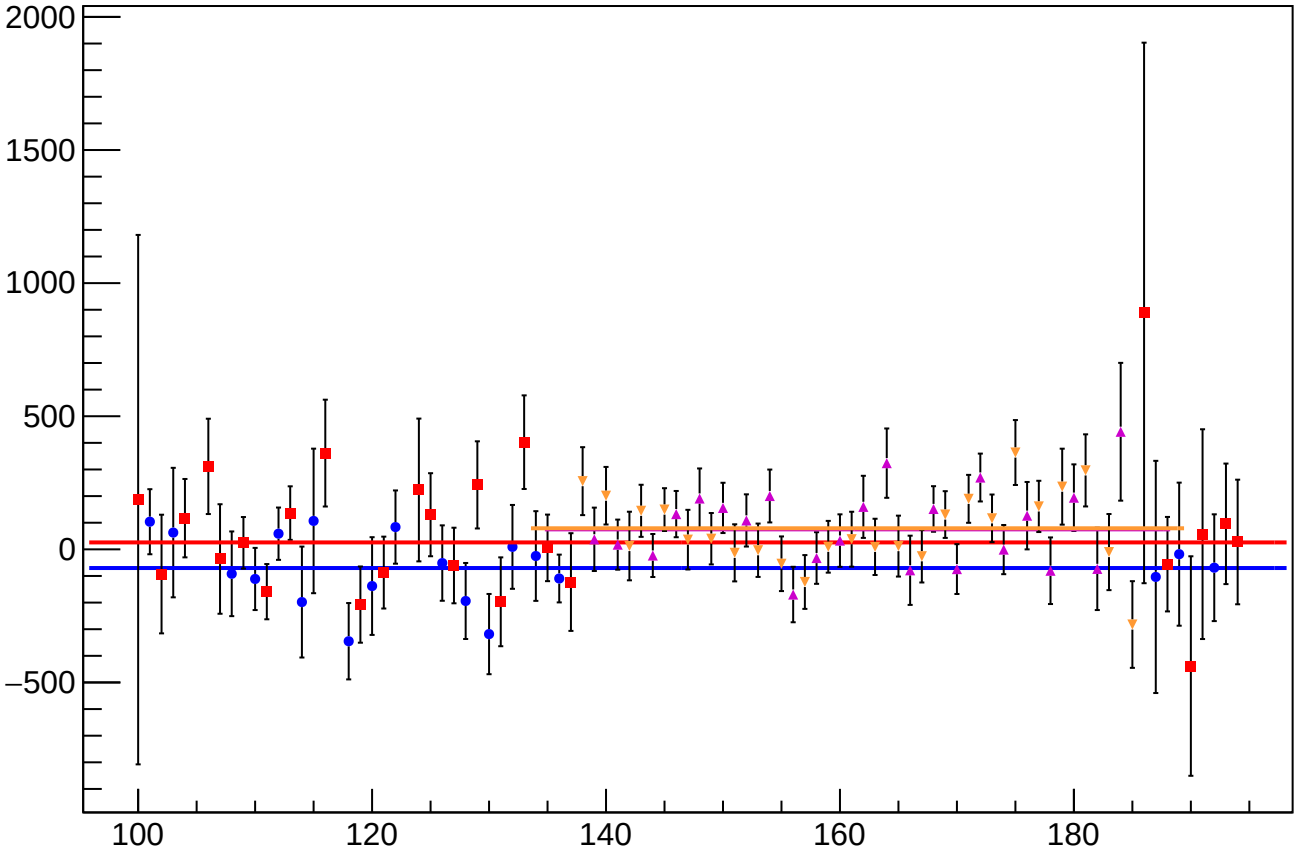
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 7521688.1/43

In: 0.000+/-0.000 χ^2/NDF:5953860.2/41

Out: 0.000+/-0.000 χ^2/NDF:9027388.7/49

All: 0.000+/-0.000 χ^2/NDF: 15070976.9/91



Right In: -70.182+/-34.207 χ^2/NDF: 14.1/18

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: 26.011+/-32.692 χ^2/NDF: 26.3/24

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

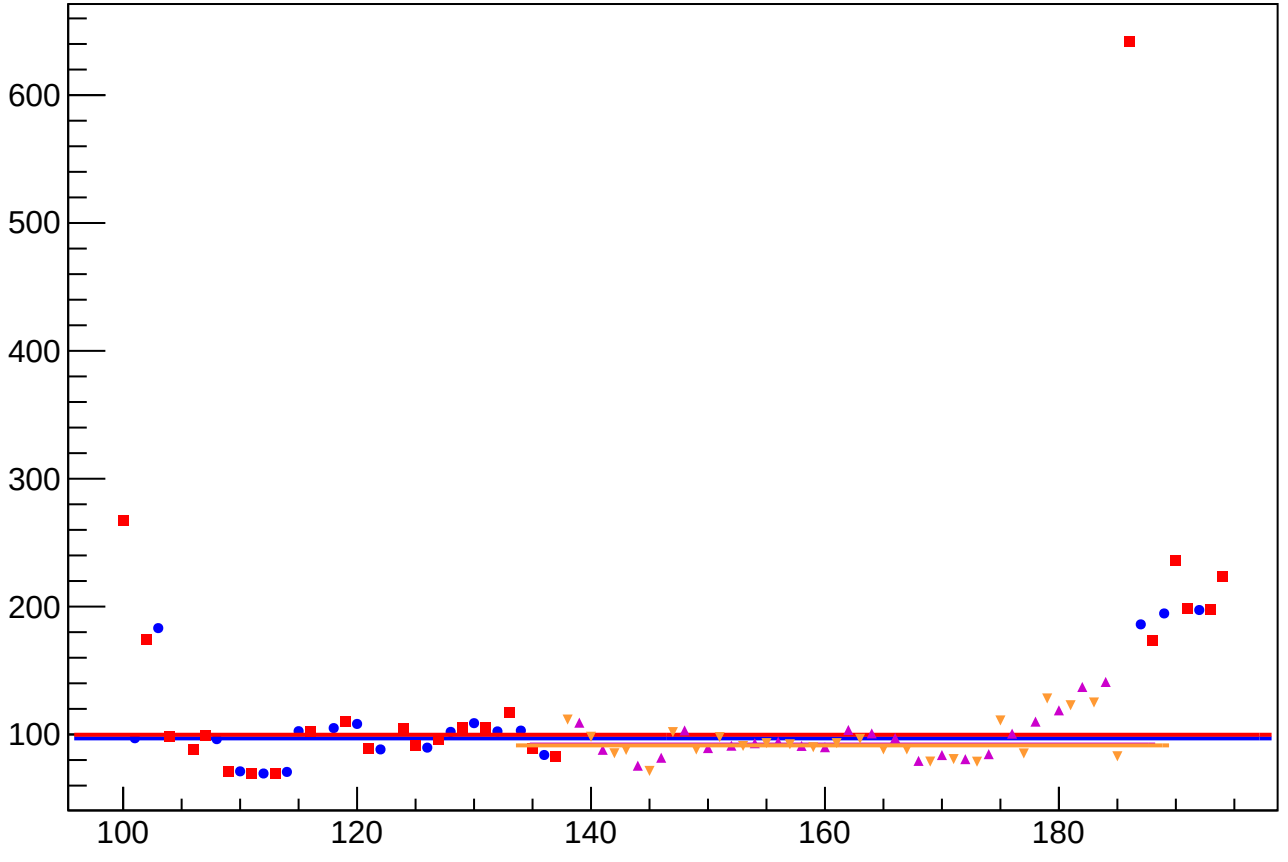
Right: -19.909+/-23.634 χ^2/NDF: 44.6/43

In: 32.999+/-18.406 χ^2/NDF:59.5/41

Out: 63.485+/-17.730 χ^2/NDF:60.2/49

All: 48.812+/-12.769 χ^2/NDF: 121.1/91

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 96.934+/-0.024 χ^2/NDF: 1475740.8/18

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 99.778+/-0.023 χ^2/NDF: 3103991.4/24

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

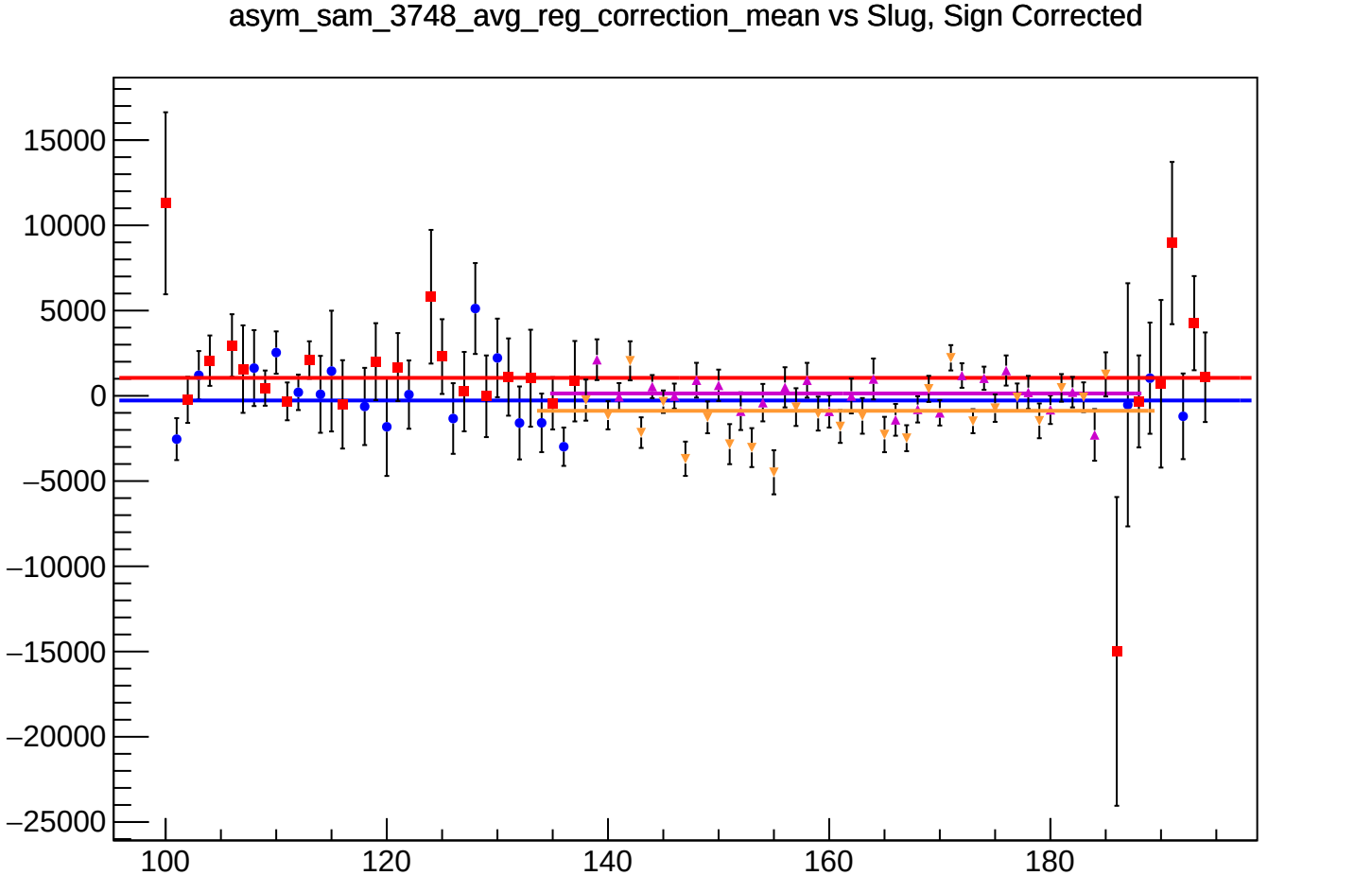
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 98.420+/-0.017 χ^2/NDF: 4586958.7/43

In: 93.500+/-0.013 χ^2/NDF:2203702.5/41

Out: 93.908+/-0.013 χ^2/NDF:3946567.4/49

All: 93.711+/-0.009 χ^2/NDF: 6150778.9/91



Right In: -273.616+/-409.879 χ^2/NDF: 23.7/18

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: 1052.989+/-385.314 χ^2/NDF: 20.2/24

Left In: 138.728+/-186.573 χ^2/NDF:24.2/22

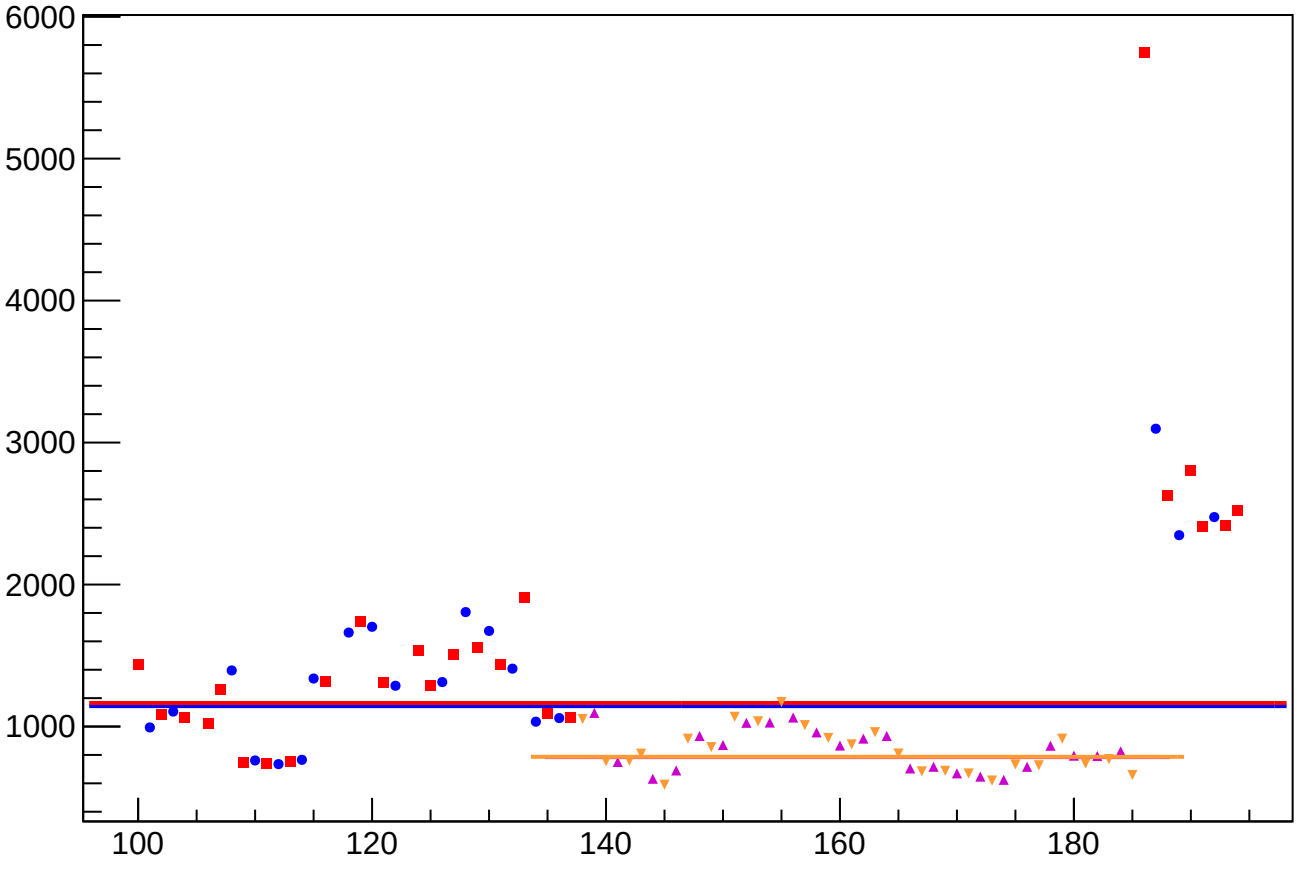
Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

Right: 430.629+/-280.741 χ^2/NDF: 49.5/43

In: 67.954+/-169.809 χ^2/NDF:48.8/41

Out: -525.552+/-164.704 χ^2/NDF:108.5/49

All: -237.853+/-118.227 χ^2/NDF: 163.5/91



Right In: 1143.841+/-0.290 χ^2/NDF: 2083583.8/18

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1165.905+/-0.272 χ^2/NDF: 3773780.9/24

Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

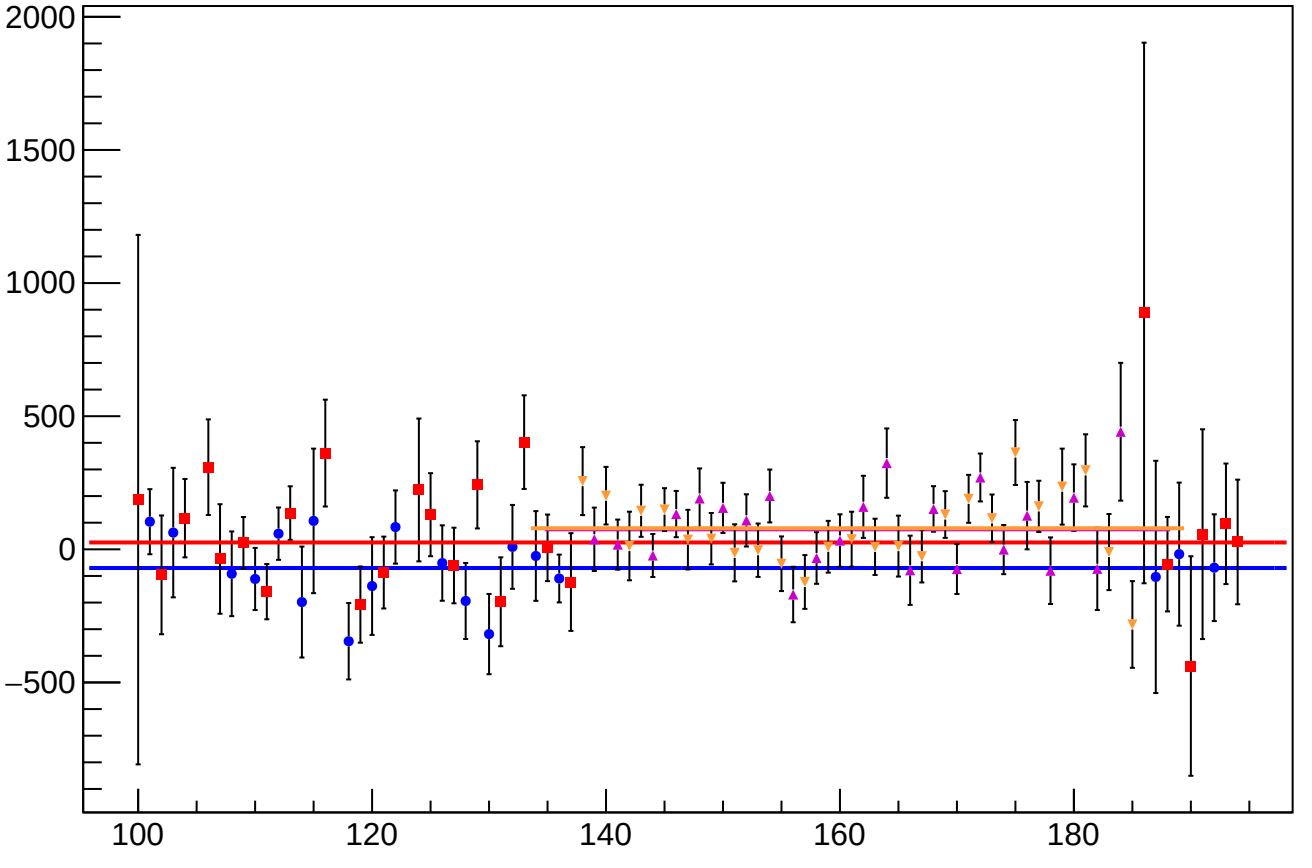
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1155.554+/-0.199 χ^2/NDF: 5860441.3/43

In: 846.452+/-0.120 χ^2/NDF:4418337.8/41

Out: 856.035+/-0.116 χ^2/NDF:6567333.5/49

All: 851.390+/-0.084 χ^2/NDF: 10988953.4/91



Right In: -70.193+/-34.207 χ^2/NDF: 14.1/18

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 25.780+/-32.696 χ^2/NDF: 26.3/24

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

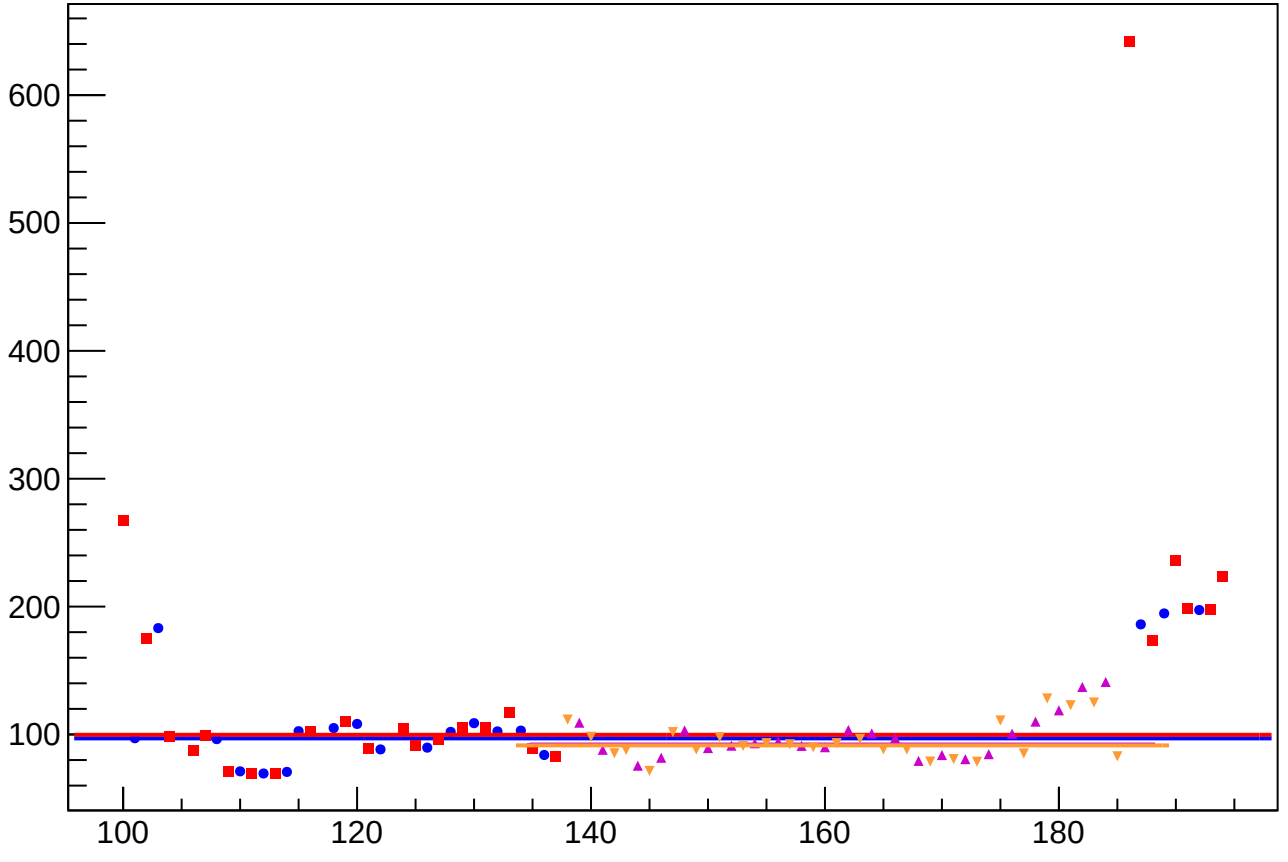
Right: -20.041+/-23.636 χ^2/NDF: 44.5/43

In: 32.996+/-18.406 χ^2/NDF:59.5/41

Out: 63.425+/-17.730 χ^2/NDF:60.1/49

All: 48.780+/-12.769 χ^2/NDF: 121.1/91

cor_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 96.934+/-0.024 χ^2/NDF: 1475743.9/18

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 99.737+/-0.023 χ^2/NDF: 3106101.9/24

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

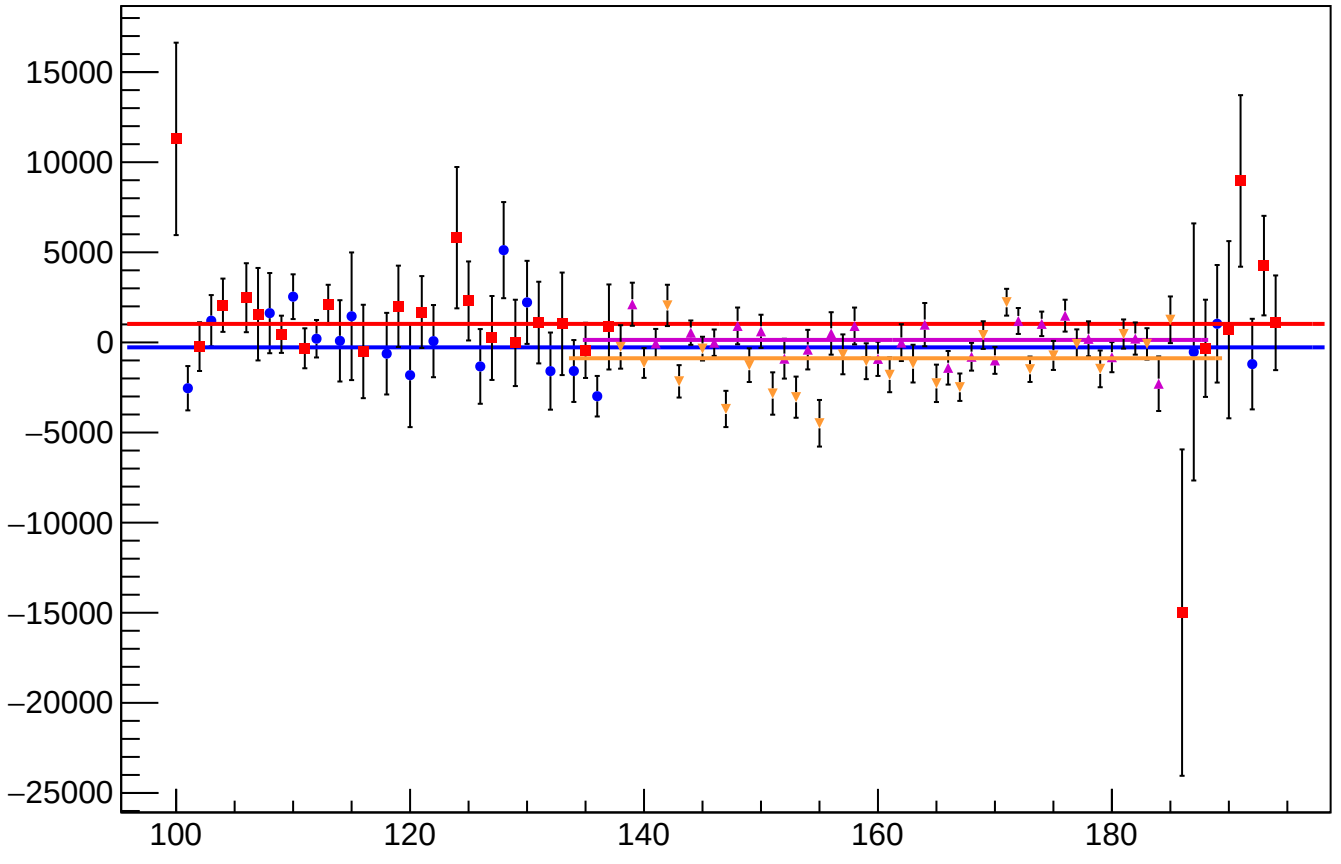
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 98.399+/-0.017 χ^2/NDF: 4588864.4/43

In: 93.500+/-0.013 χ^2/NDF:2203705.7/41

Out: 93.895+/-0.013 χ^2/NDF:3947763.8/49

All: 93.705+/-0.009 χ^2/NDF: 6151947.8/91



Right In: -273.635+/-409.882 χ^2/NDF: 23.7/18

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 1027.638+/-386.032 χ^2/NDF: 19.7/24

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

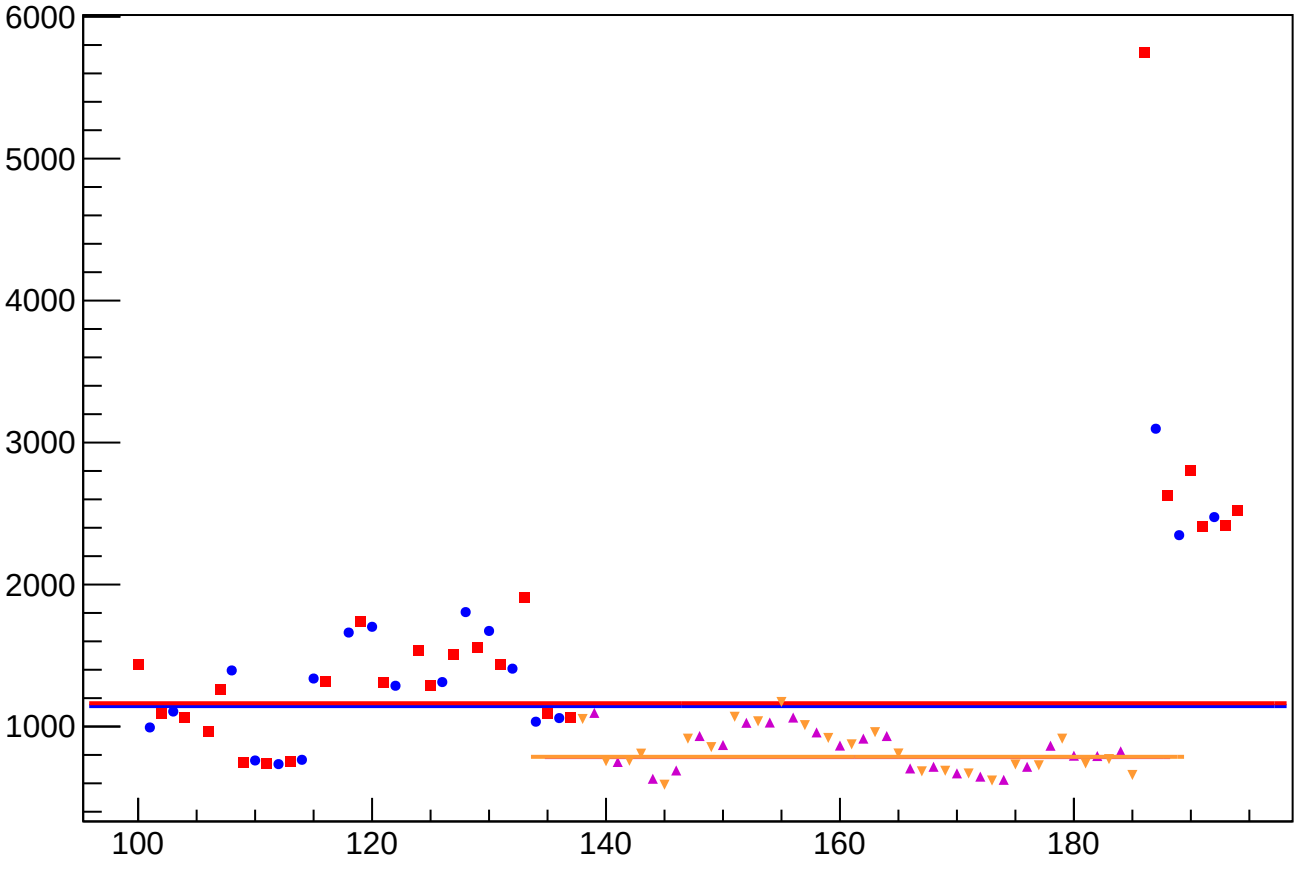
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 415.960+/-281.019 χ^2/NDF: 48.8/43

In: 67.954+/-169.809 χ^2/NDF:48.8/41

Out: -531.235+/-164.760 χ^2/NDF:107.3/49

All: -240.680+/-118.248 χ^2/NDF: 162.5/91



Right In: 1143.850+/-0.290 χ^2/NDF: 2083577.7/18

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1164.176+/-0.273 χ^2/NDF: 3783210.5/24

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

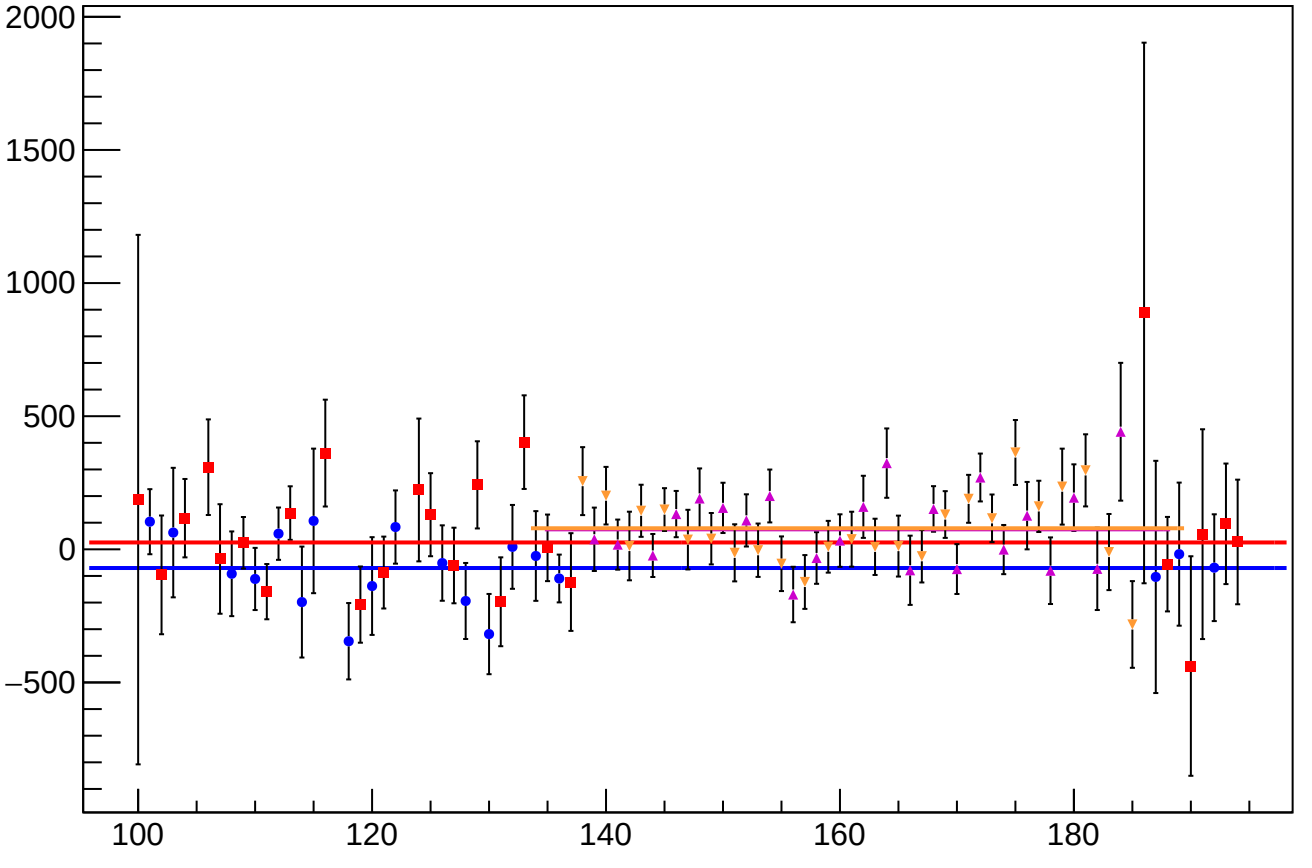
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1154.622+/-0.199 χ^2/NDF: 5869394.6/43

In: 846.453+/-0.120 χ^2/NDF:4418378.9/41

Out: 855.510+/-0.117 χ^2/NDF:6557598.6/49

All: 851.118+/-0.084 χ^2/NDF: 10978907.9/91



Right In: -70.193+/-34.207 χ^2/NDF: 14.1/18

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 25.780+/-32.696 χ^2/NDF: 26.3/24

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

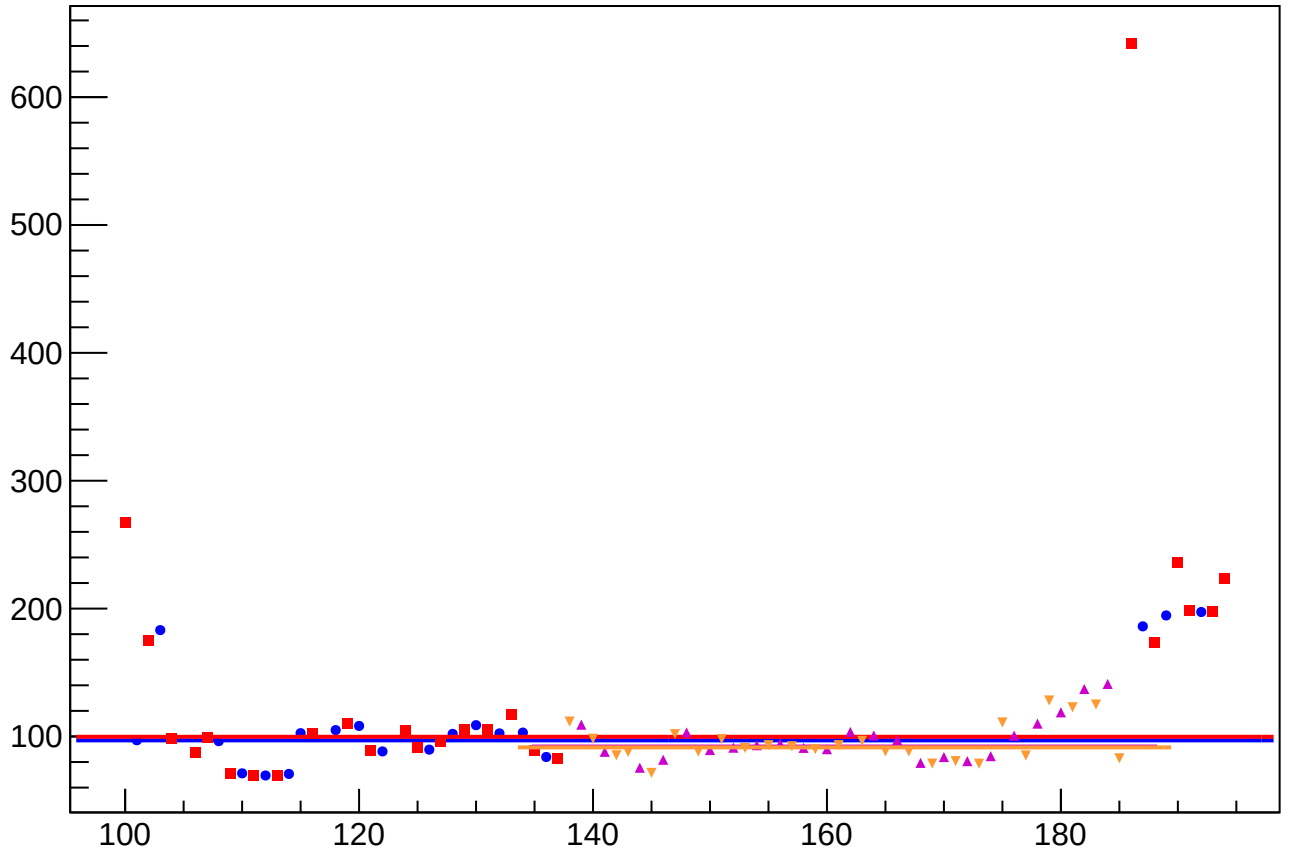
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -20.041+/-23.636 χ^2/NDF: 44.5/43

In: 32.996+/-18.406 χ^2/NDF:59.5/41

Out: 63.425+/-17.730 χ^2/NDF:60.1/49

All: 48.780+/-12.769 χ^2/NDF: 121.1/91



Right In: 96.934+/-0.024 χ^2/NDF: 1475743.9/18

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 99.737+/-0.023 χ^2/NDF: 3106101.9/24

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

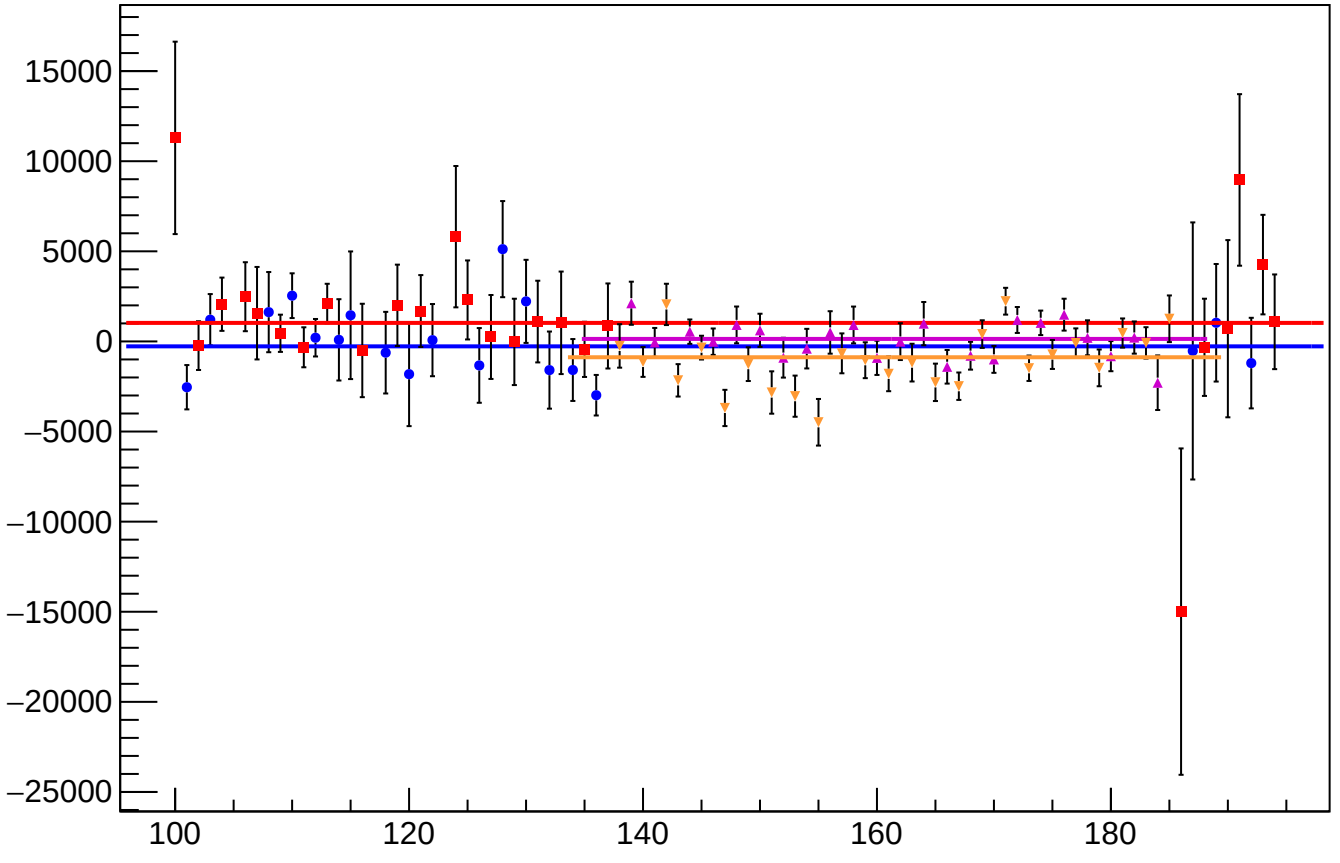
Right: 98.399+/-0.017 χ^2/NDF: 4588864.4/43

In: 93.500+/-0.013 χ^2/NDF:2203705.7/41

Out: 93.895+/-0.013 χ^2/NDF:3947763.8/49

All: 93.705+/-0.009 χ^2/NDF: 6151947.8/91

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -273.635+/-409.882 χ^2/NDF: 23.7/18

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 1027.638+/-386.032 χ^2/NDF: 19.7/24

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

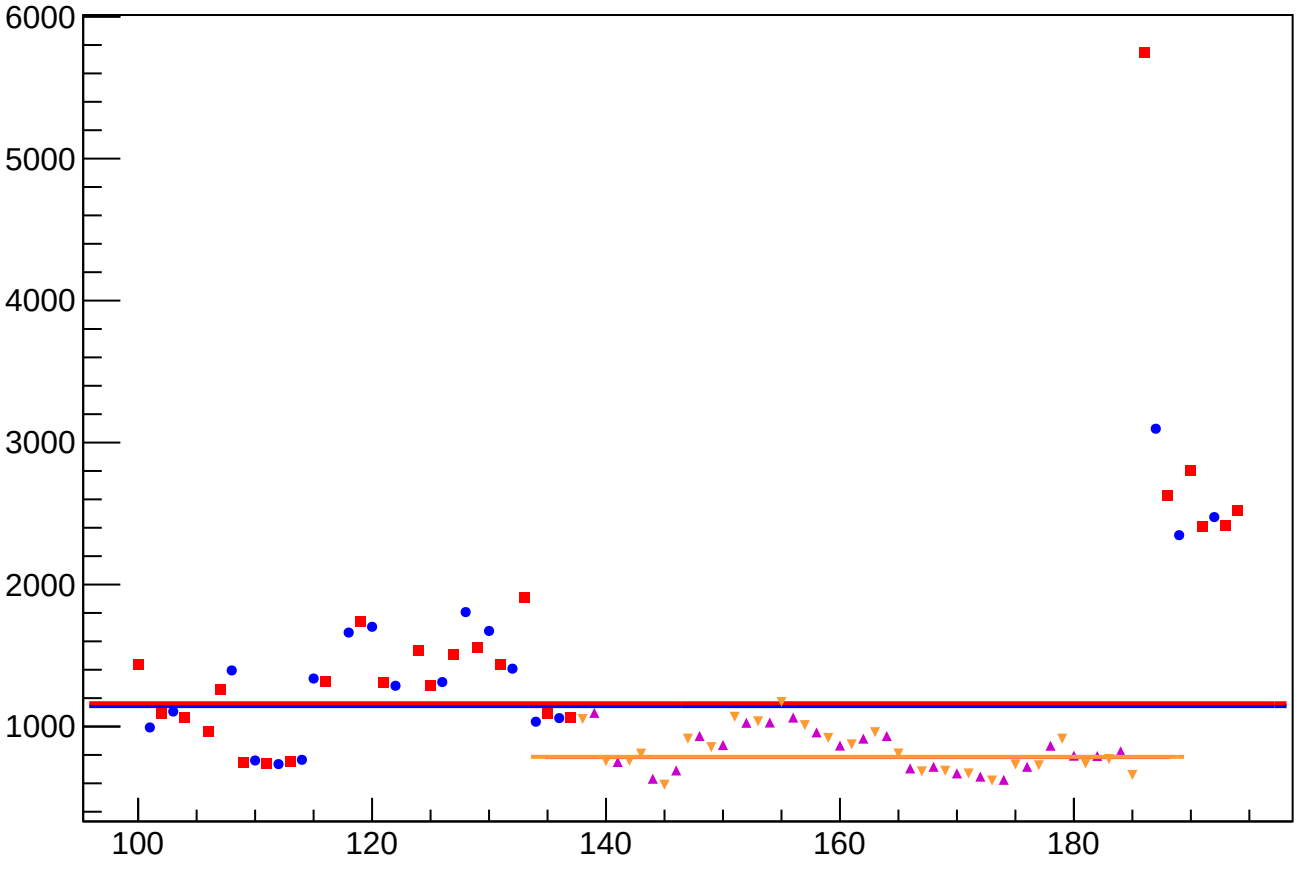
Right: 415.960+/-281.019 χ^2/NDF: 48.8/43

In: 67.954+/-169.809 χ^2/NDF:48.8/41

Out: -531.235+/-164.760 χ^2/NDF:107.3/49

All: -240.680+/-118.248 χ^2/NDF: 162.5/91

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1143.850+/-0.290 χ^2/NDF: 2083577.7/18

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1164.176+/-0.273 χ^2/NDF: 3783210.5/24

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

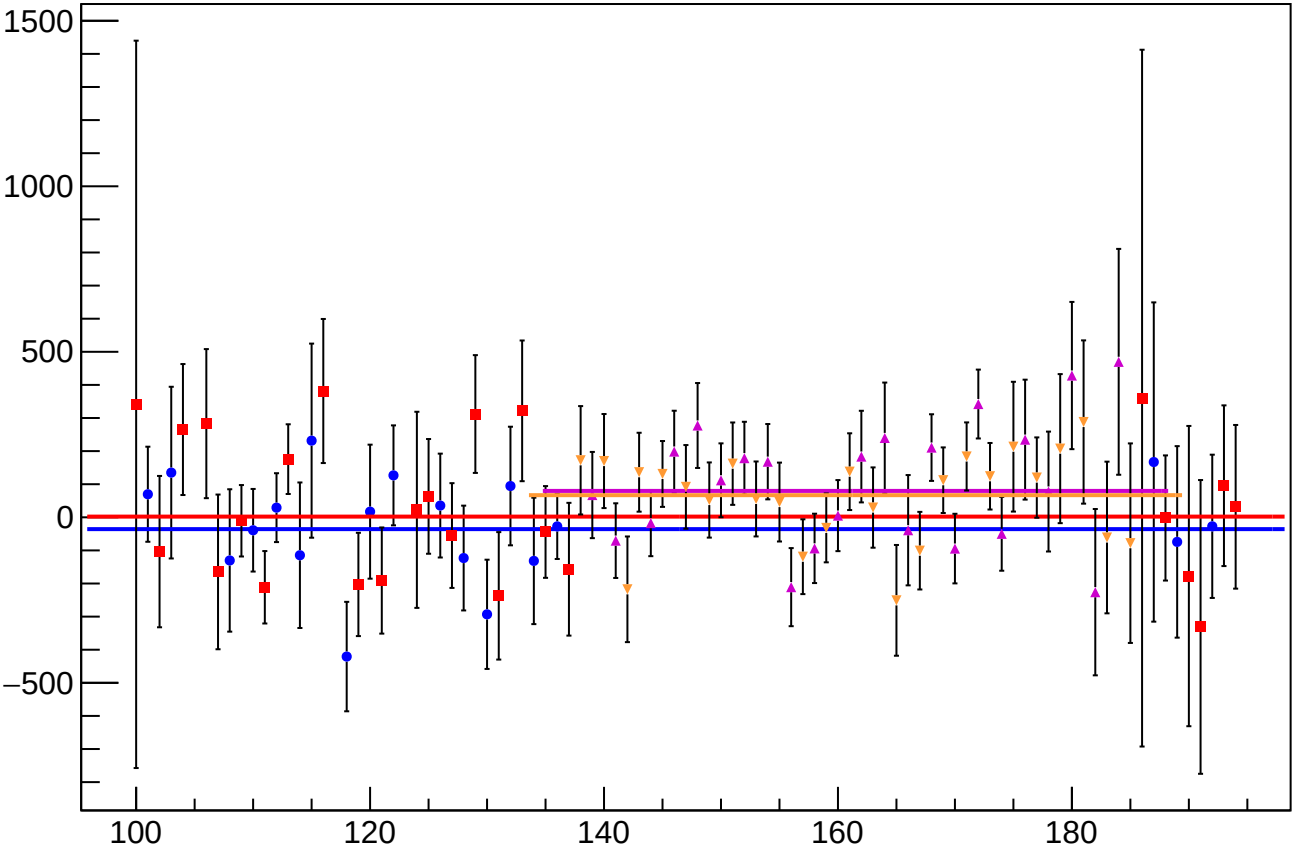
Right: 1154.622+/-0.199 χ^2/NDF: 5869394.6/43

In: 846.453+/-0.120 χ^2/NDF:4418378.9/41

Out: 855.510+/-0.117 χ^2/NDF:6557598.6/49

All: 851.118+/-0.084 χ^2/NDF: 10978907.9/91

dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: -35.691+/-37.922 χ^2/NDF: 13.1/18

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: 2.142+/-36.304 χ^2/NDF: 25.7/24

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

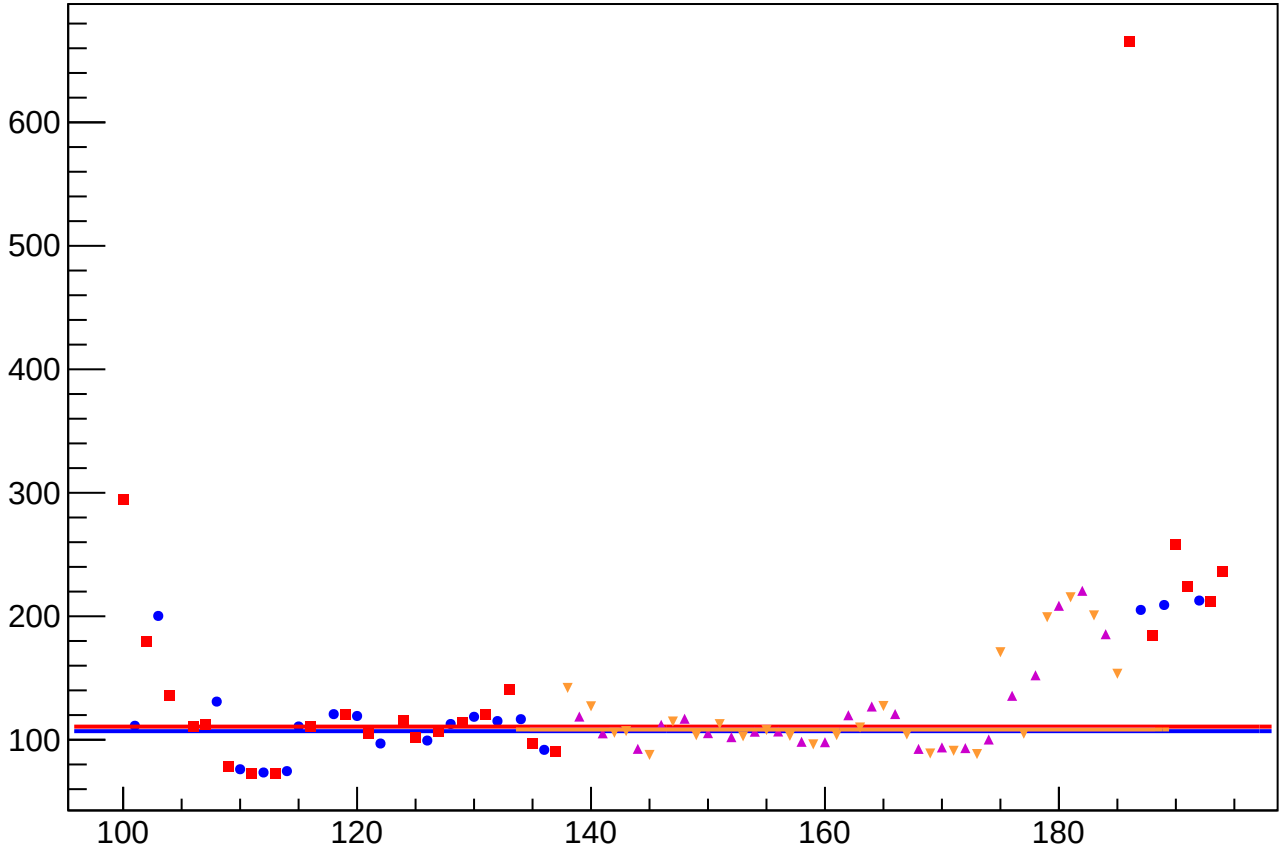
Right: -15.950+/-26.224 χ^2/NDF: 39.3/43

In: 42.271+/-21.610 χ^2/NDF:56.3/41

Out: 45.410+/-20.913 χ^2/NDF:47.5/49

All: 43.892+/-15.028 χ^2/NDF: 103.8/91

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 106.963+/-0.027 χ^2/NDF: 1572642.7/18

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 110.647+/-0.026 χ^2/NDF: 3112215.4/24

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

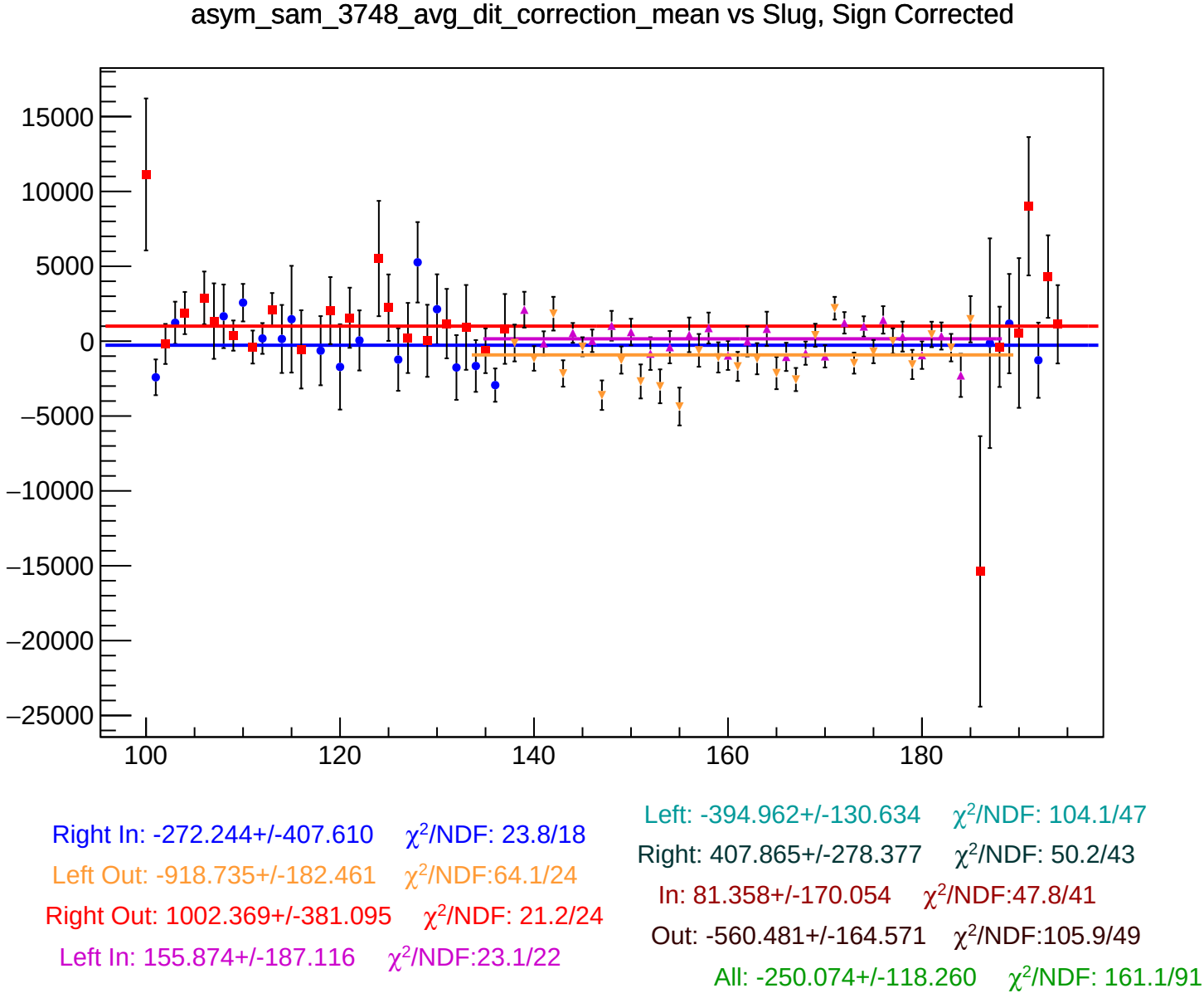
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

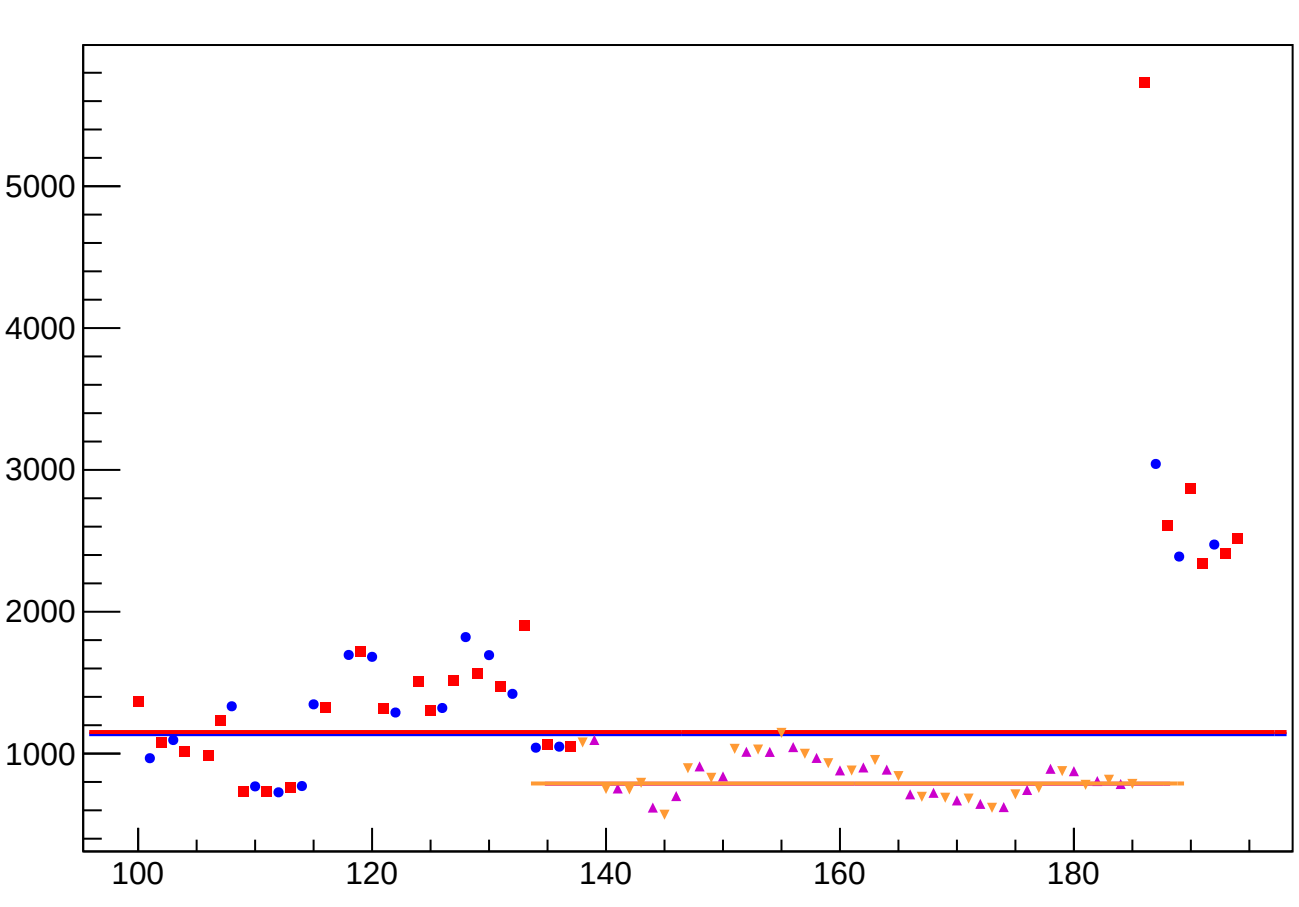
Right: 108.885+/-0.019 χ^2/NDF: 4694706.4/43

In: 107.996+/-0.015 χ^2/NDF:2954237.2/41

Out: 109.099+/-0.015 χ^2/NDF:4892258.3/49

All: 108.566+/-0.011 χ^2/NDF: 7849186.8/91


asym_sam_3748_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
Right In: -272.244+/-407.610 χ²/NDF: 23.8/18
Left Out: -918.735+/-182.461 χ²/NDF:64.1/24
Right Out: 1002.369+/-381.095 χ²/NDF: 21.2/24
Left In: 155.874+/-187.116 χ²/NDF:23.1/22
Left: -394.962+/-130.634 χ²/NDF: 104.1/47
Right: 407.865+/-278.377 χ²/NDF: 50.2/43
In: 81.358+/-170.054 χ²/NDF:47.8/41
Out: -560.481+/-164.571 χ²/NDF:105.9/49
All: -250.074+/-118.260 χ²/NDF: 161.1/91



Right In: 1136.849+/-0.288 χ^2/NDF: 2122677.8/18

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1152.006+/-0.269 χ^2/NDF: 3838766.6/24

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

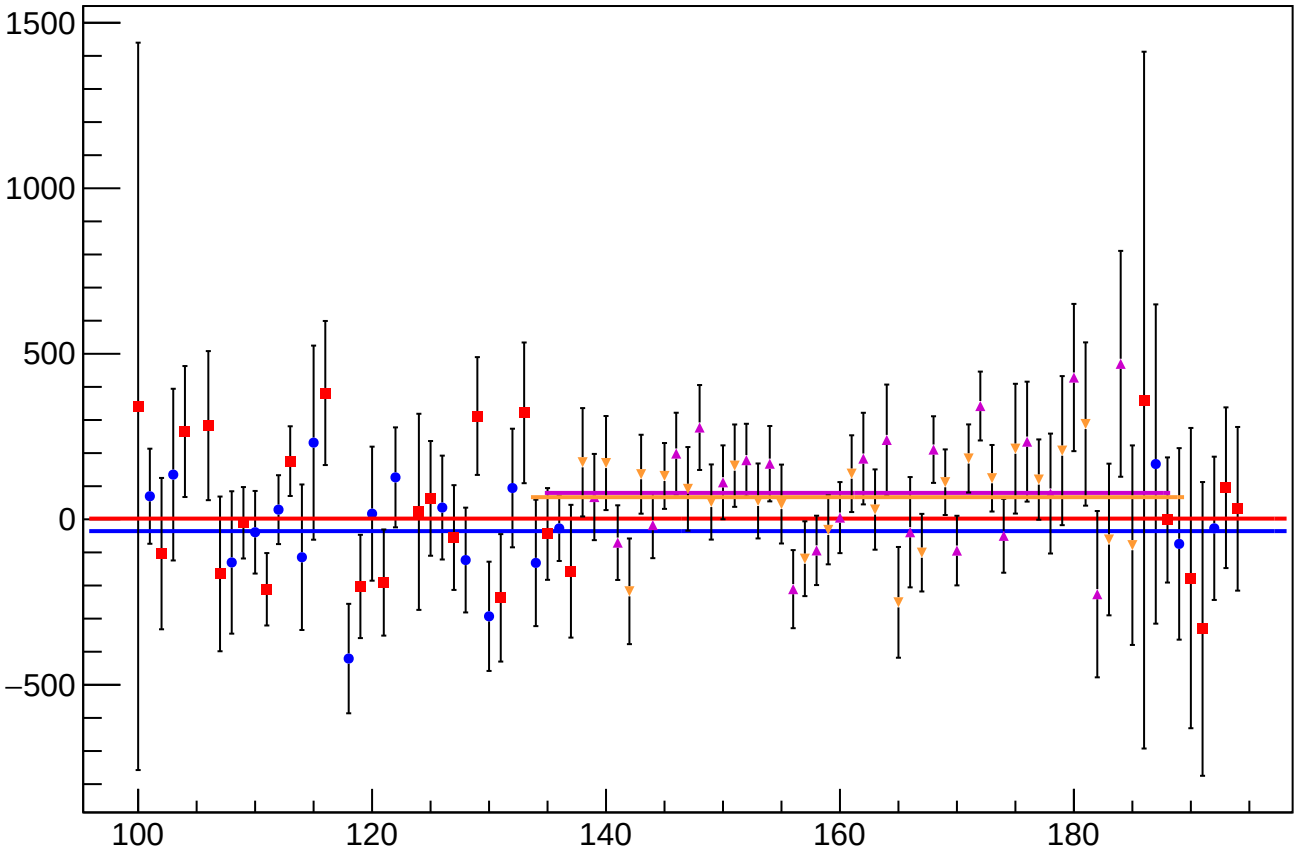
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1144.937+/-0.197 χ^2/NDF: 5962920.0/43

In: 848.214+/-0.120 χ^2/NDF:4378256.4/41

Out: 856.898+/-0.116 χ^2/NDF:6489777.8/49

All: 852.698+/-0.084 χ^2/NDF: 10870727.0/91



Right In: -35.690+/-37.922 χ^2/NDF: 13.1/18

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: 2.141+/-36.304 χ^2/NDF: 25.7/24

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

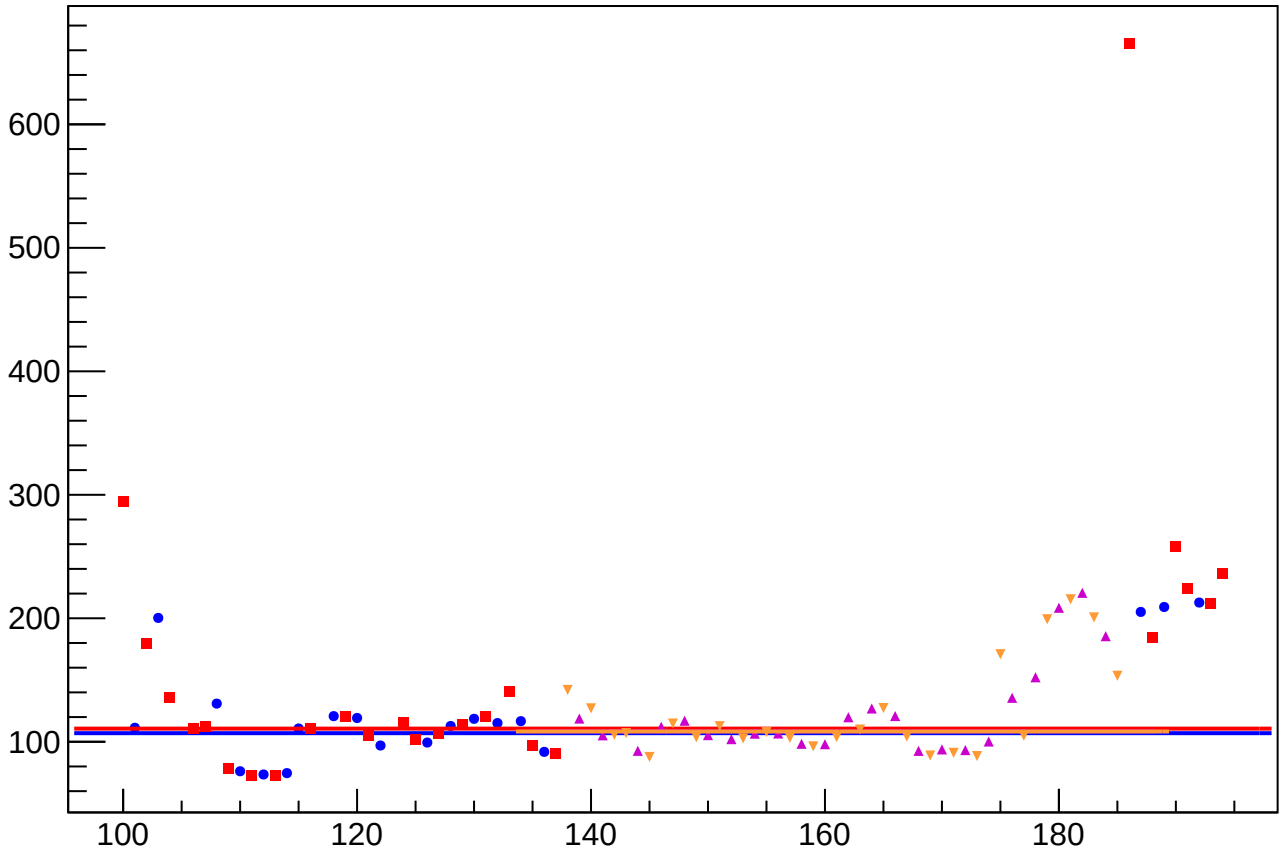
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -15.951+/-26.224 χ^2/NDF: 39.3/43

In: 42.271+/-21.611 χ^2/NDF:56.3/41

Out: 45.410+/-20.913 χ^2/NDF:47.5/49

All: 43.892+/-15.028 χ^2/NDF: 103.8/91



Right In: 106.963+/-0.027 χ^2/NDF: 1572638.9/18

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

Right Out: 110.647+/-0.026 χ^2/NDF: 3112220.9/24

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

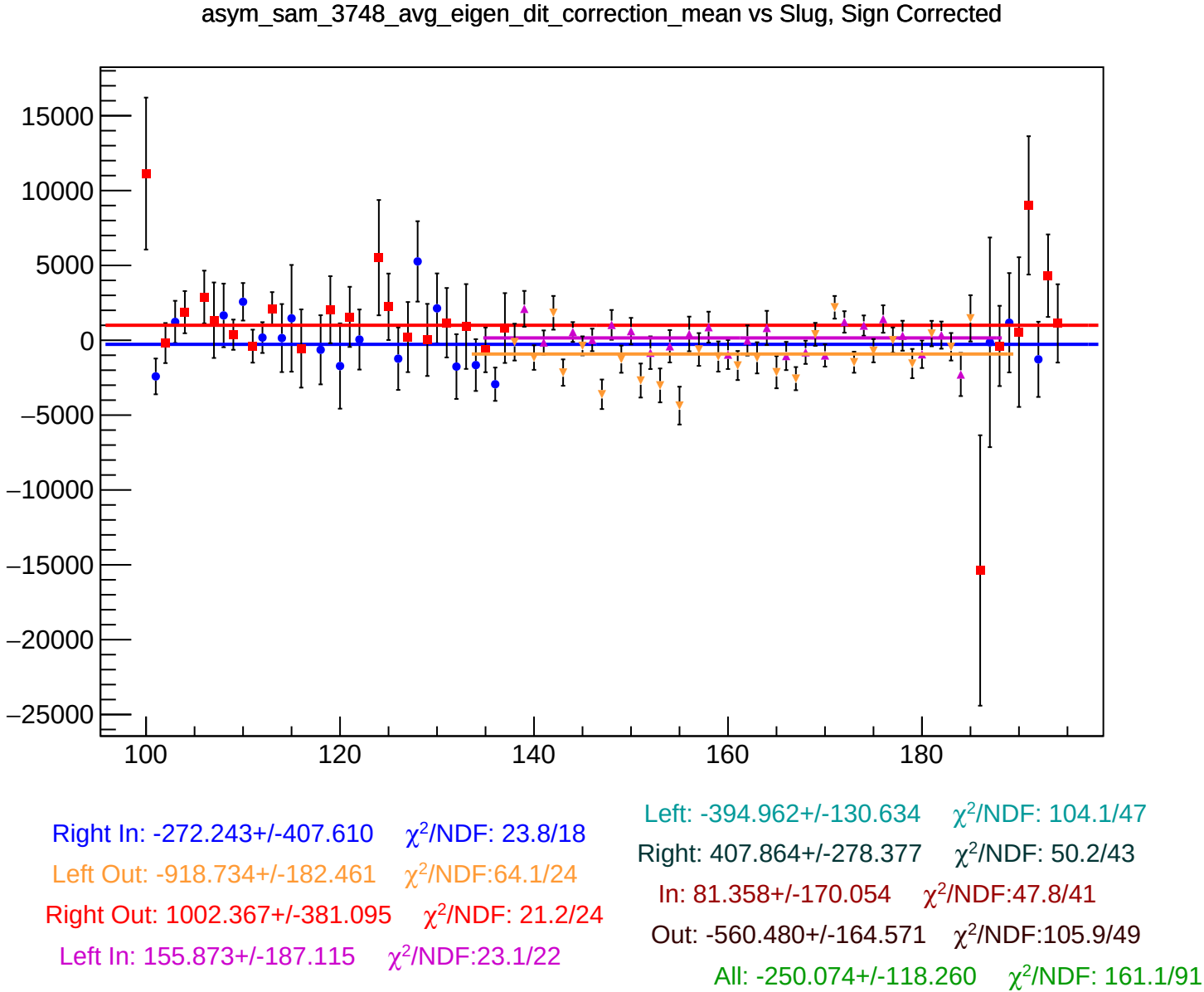
Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

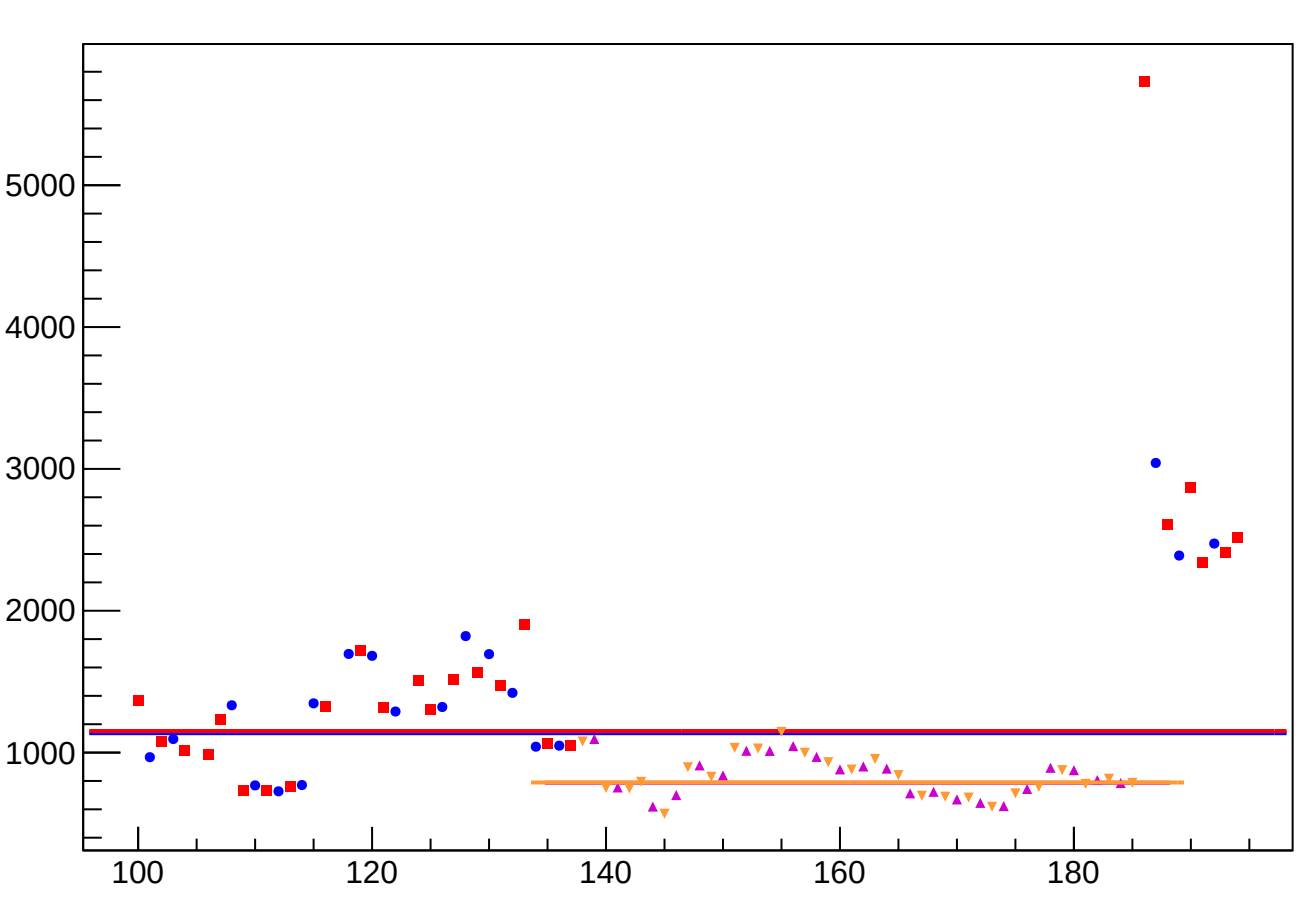
Right: 108.886+/-0.019 χ^2/NDF: 4694708.2/43

In: 107.996+/-0.015 χ^2/NDF:2954214.9/41

Out: 109.099+/-0.015 χ^2/NDF:4892257.8/49

All: 108.566+/-0.011 χ^2/NDF: 7849164.1/91


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
Right In: -272.243+/-407.610 χ²/NDF: 23.8/18
Left Out: -918.734+/-182.461 χ²/NDF:64.1/24
Right Out: 1002.367+/-381.095 χ²/NDF: 21.2/24
Left In: 155.873+/-187.115 χ²/NDF:23.1/22
Left: -394.962+/-130.634 χ²/NDF: 104.1/47
Right: 407.864+/-278.377 χ²/NDF: 50.2/43
In: 81.358+/-170.054 χ²/NDF:47.8/41
Out: -560.480+/-164.571 χ²/NDF:105.9/49
All: -250.074+/-118.260 χ²/NDF: 161.1/91



Right In: 1136.847+/-0.288 χ^2/NDF: 2122683.5/18

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1152.004+/-0.269 χ^2/NDF: 3838768.4/24

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

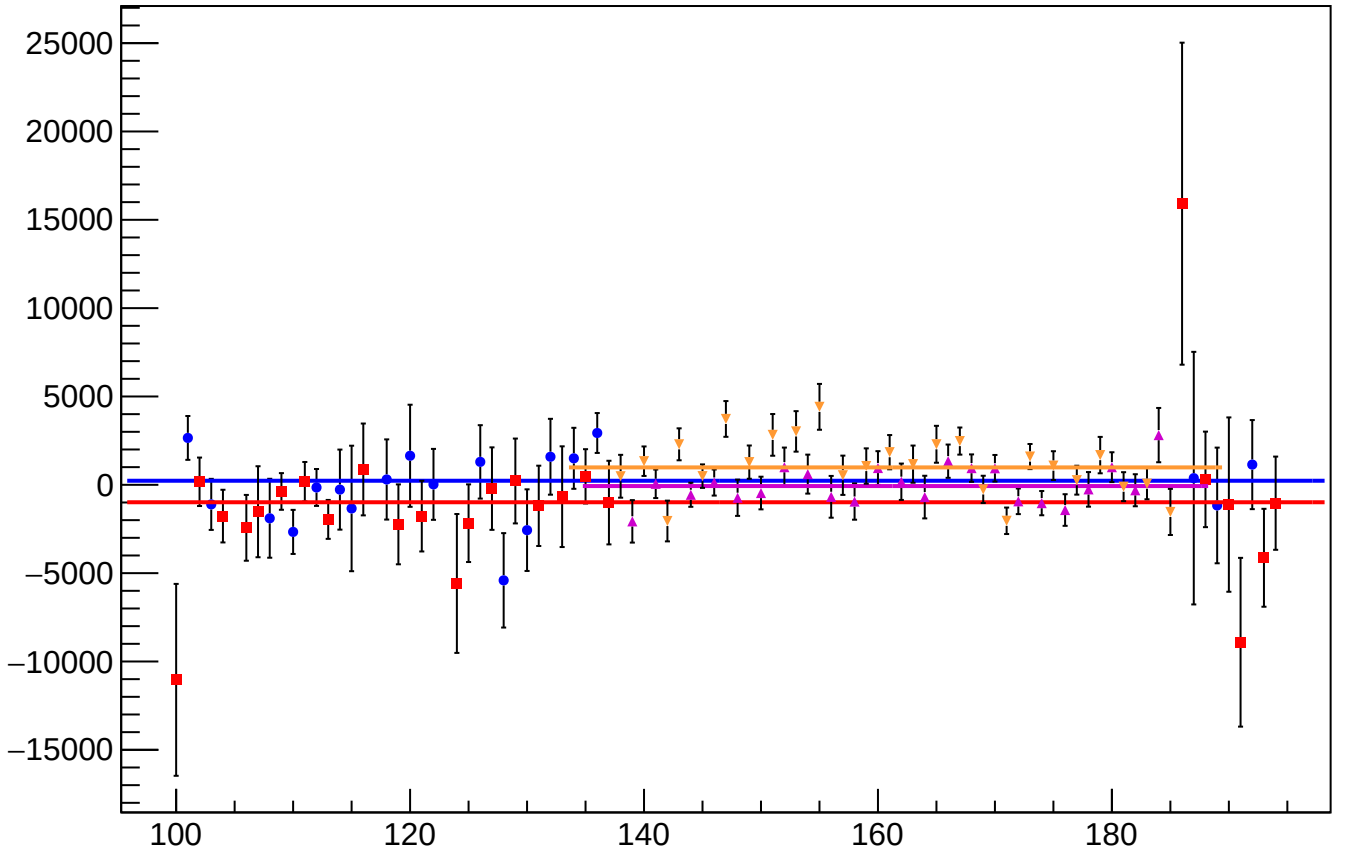
Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

Right: 1144.935+/-0.197 χ^2/NDF: 5962927.5/43

In: 848.213+/-0.120 χ^2/NDF:4378261.7/41

Out: 856.896+/-0.116 χ^2/NDF:6489783.5/49

All: 852.697+/-0.084 χ^2/NDF: 10870738.0/91



Right In: 230.377+/-412.048 χ^2/NDF: 24.8/18

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: -986.887+/-387.439 χ^2/NDF: 18.9/24

Left In: -70.089+/-188.036 χ^2/NDF:24.4/22

Left: 470.380+/-131.365 χ^2/NDF: 104.3/47

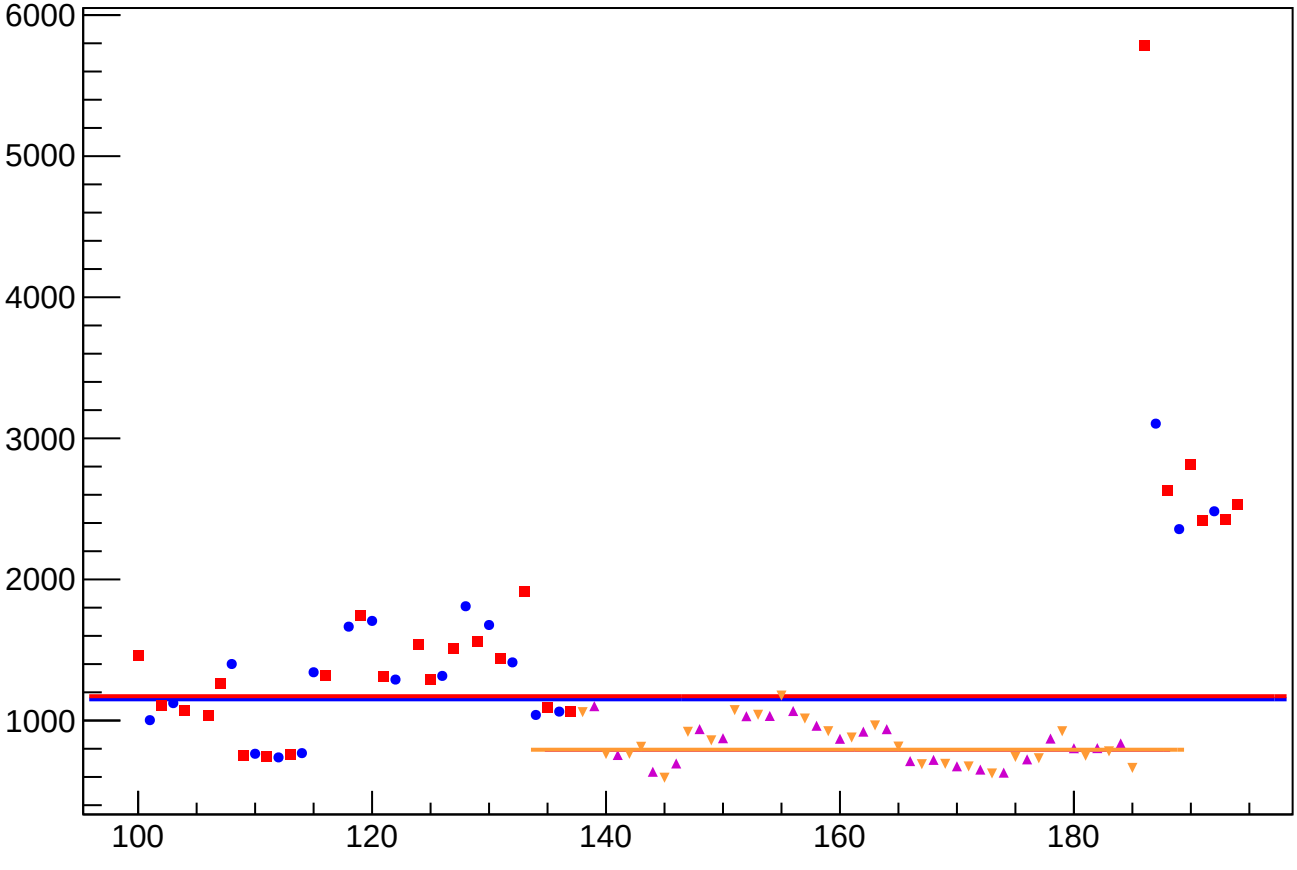
Right: -415.687+/-282.260 χ^2/NDF: 48.3/43

In: -18.301+/-171.065 χ^2/NDF:49.6/41

Out: 623.924+/-165.914 χ^2/NDF:103.8/49

All: 312.626+/-119.099 χ^2/NDF: 160.7/91

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1150.288+/-0.291 χ^2/NDF: 2073747.0/18

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

Right Out: 1172.395+/-0.274 χ^2/NDF: 3763283.2/24

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

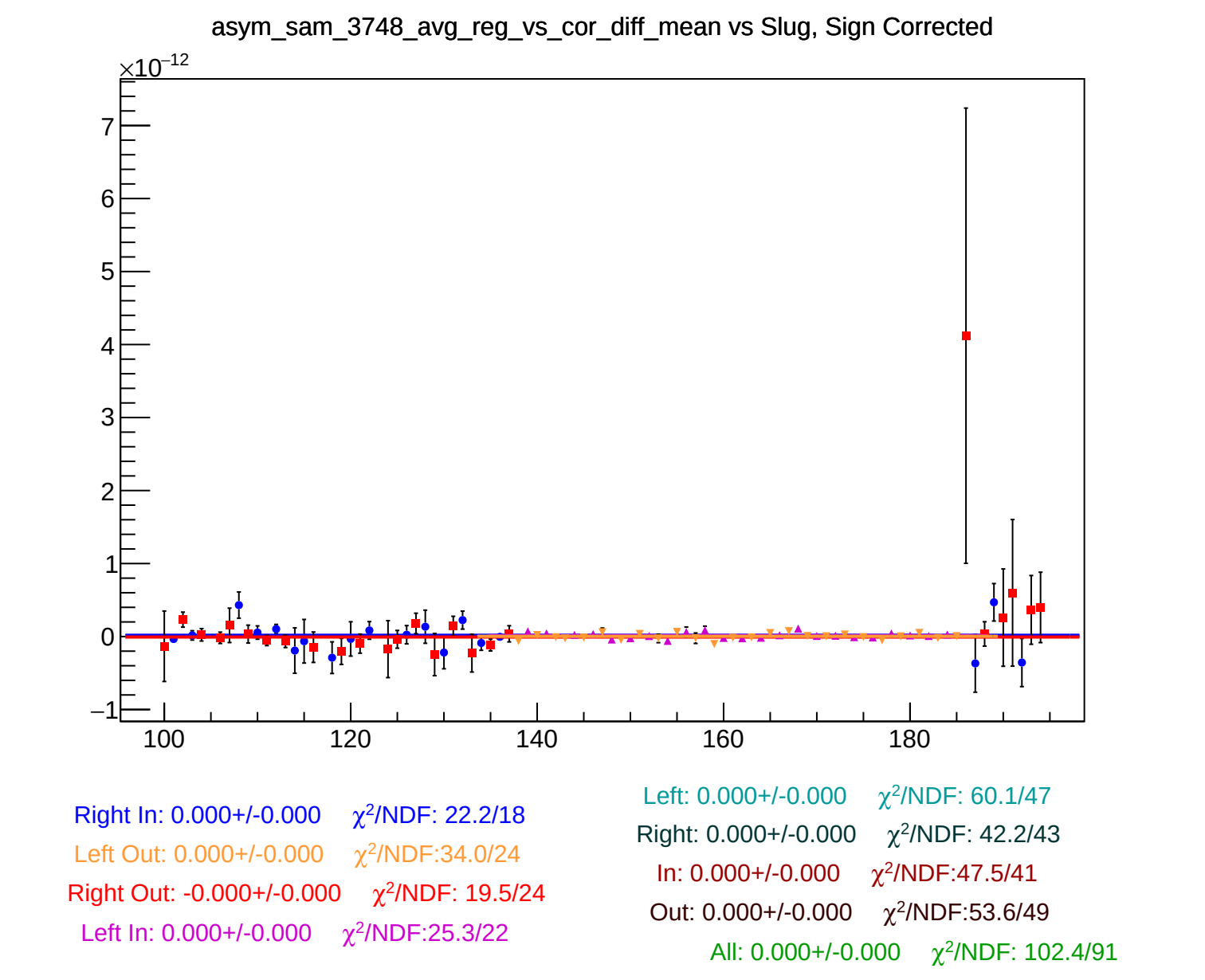
Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

Right: 1162.021+/-0.200 χ^2/NDF: 5840085.6/43

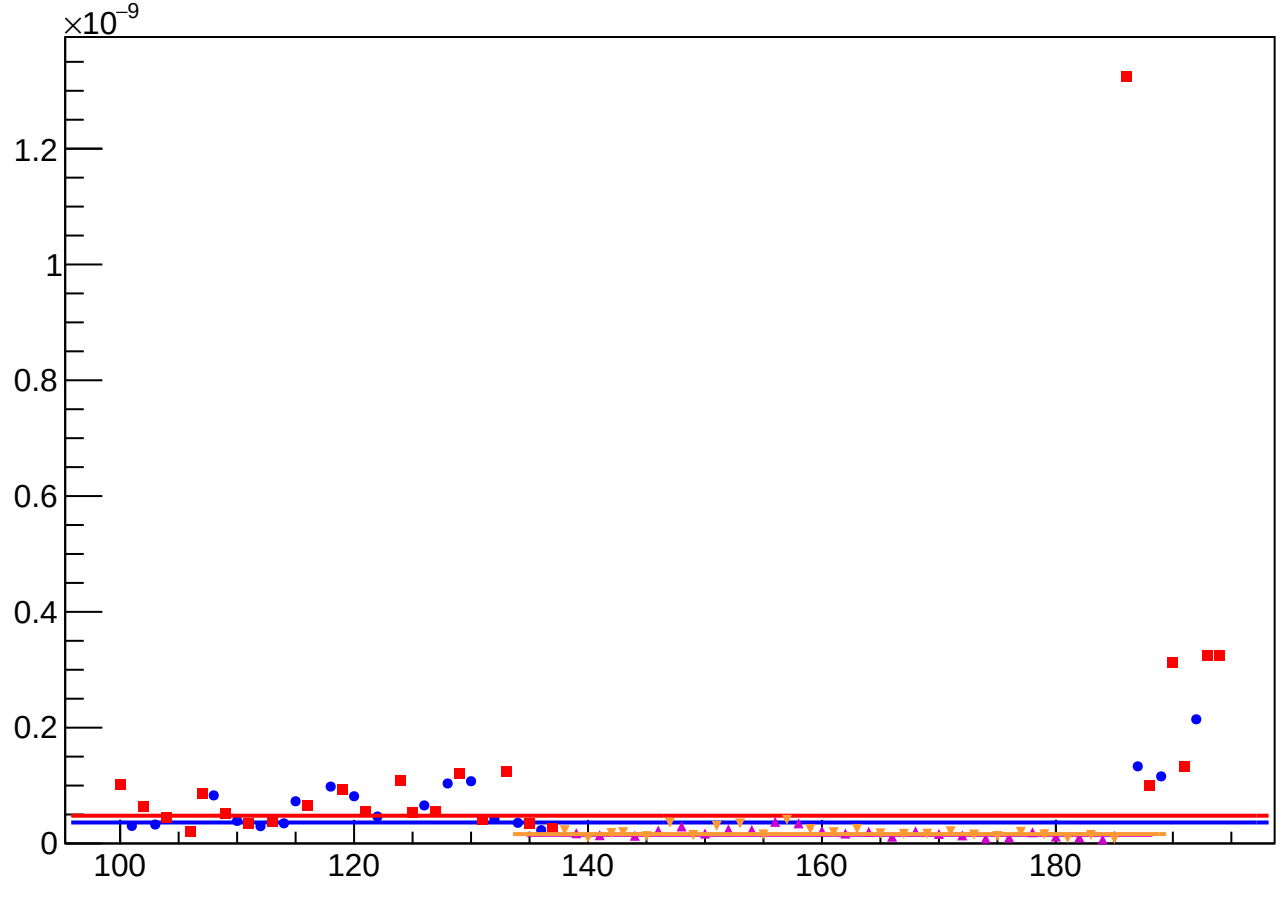
In: 853.054+/-0.121 χ^2/NDF:4380298.8/41

Out: 862.617+/-0.117 χ^2/NDF:6522948.1/49

All: 857.982+/-0.084 χ^2/NDF: 10906467.0/91


asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
7
6
5
4
3
2
1
0
−1
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 22.2/18
Left Out: 0.000+/-0.000 χ²/NDF:34.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 19.5/24
Left In: 0.000+/-0.000 χ²/NDF:25.3/22
Left: 0.000+/-0.000 χ²/NDF: 60.1/47
Right: 0.000+/-0.000 χ²/NDF: 42.2/43
In: 0.000+/-0.000 χ²/NDF:47.5/41
Out: 0.000+/-0.000 χ²/NDF:53.6/49
All: 0.000+/-0.000 χ²/NDF: 102.4/91

asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2096703.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3316774.3/24

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

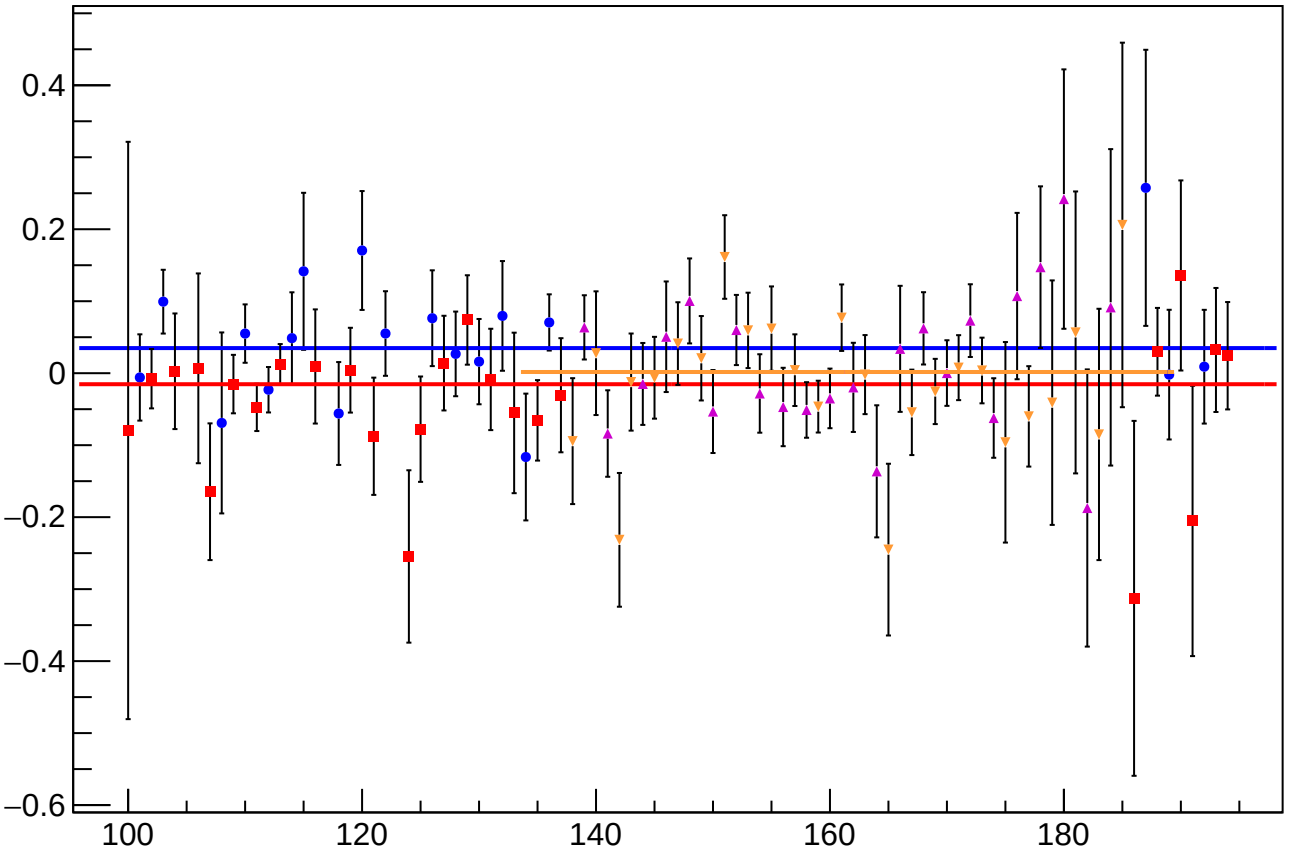
Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

Right: 0.000+/-0.000 χ^2/NDF: 5648823.4/43

In: 0.000+/-0.000 χ^2/NDF:5542860.4/41

Out: 0.000+/-0.000 χ^2/NDF:7763675.4/49

All: 0.000+/-0.000 χ^2/NDF: 13357586.4/91



Right In: 0.035+/-0.013 χ^2/NDF: 18.6/18

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.015+/-0.012 χ^2/NDF: 18.4/24

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

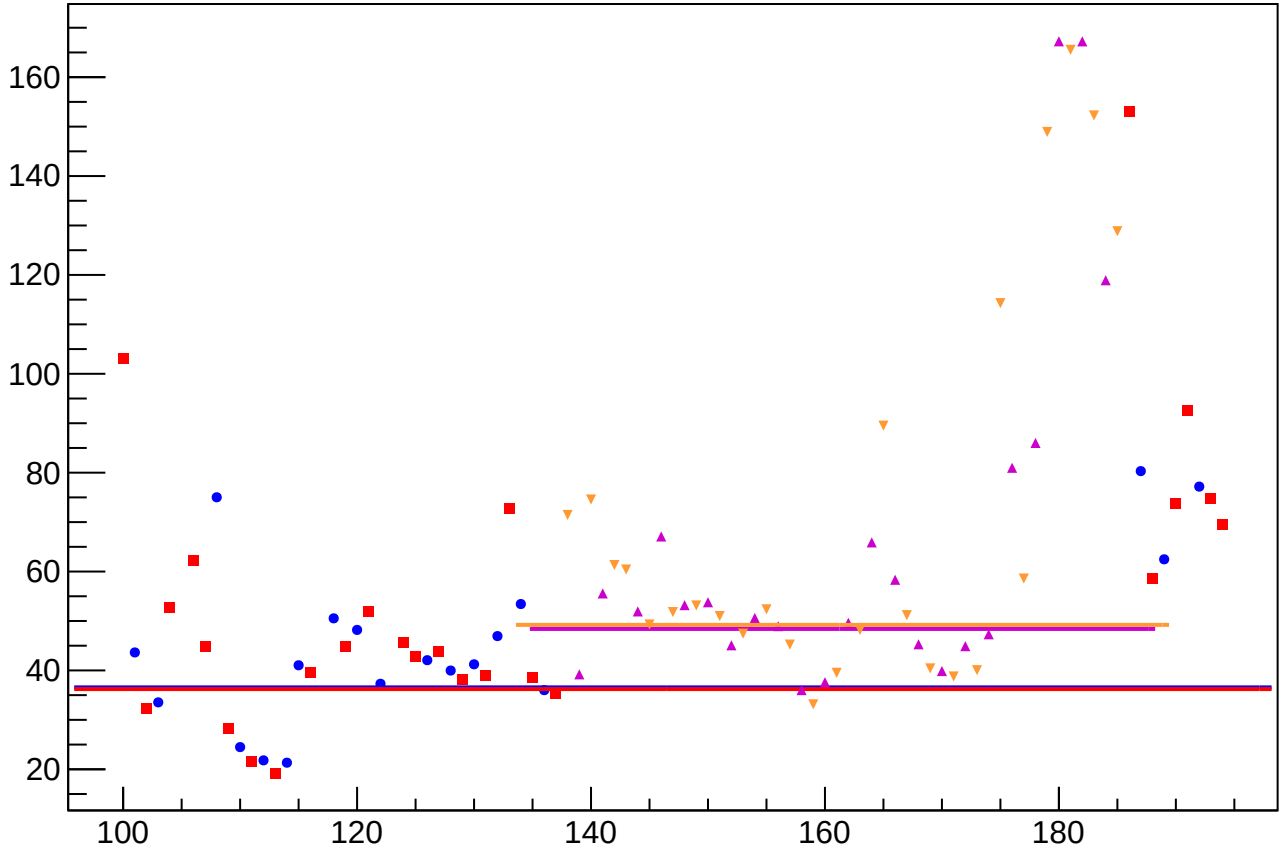
Right: 0.008+/-0.009 χ^2/NDF: 44.5/43

In: 0.017+/-0.009 χ^2/NDF:47.9/41

Out: -0.007+/-0.009 χ^2/NDF:49.8/49

All: 0.005+/-0.006 χ^2/NDF: 101.2/91

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.569+/-0.010 χ^2/NDF: 2014836.9/18

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 36.229+/-0.009 χ^2/NDF: 3715671.2/24

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

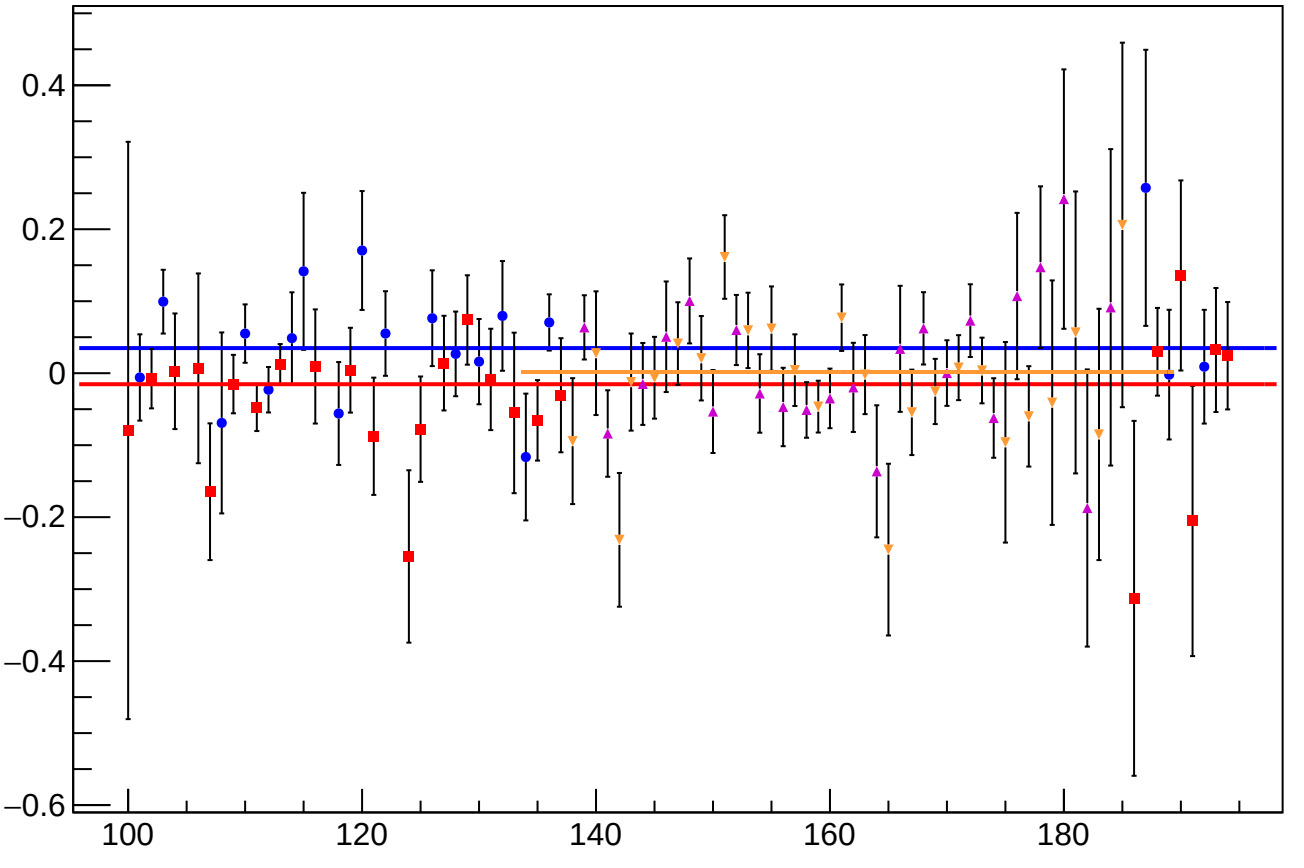
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 36.385+/-0.006 χ^2/NDF: 5731196.7/43

In: 42.993+/-0.006 χ^2/NDF:5882487.7/41

Out: 42.782+/-0.006 χ^2/NDF:8992525.8/49

All: 42.883+/-0.004 χ^2/NDF: 14875570.6/91



Right In: 0.035+/-0.013 χ^2/NDF: 18.6/18

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.015+/-0.012 χ^2/NDF: 18.4/24

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

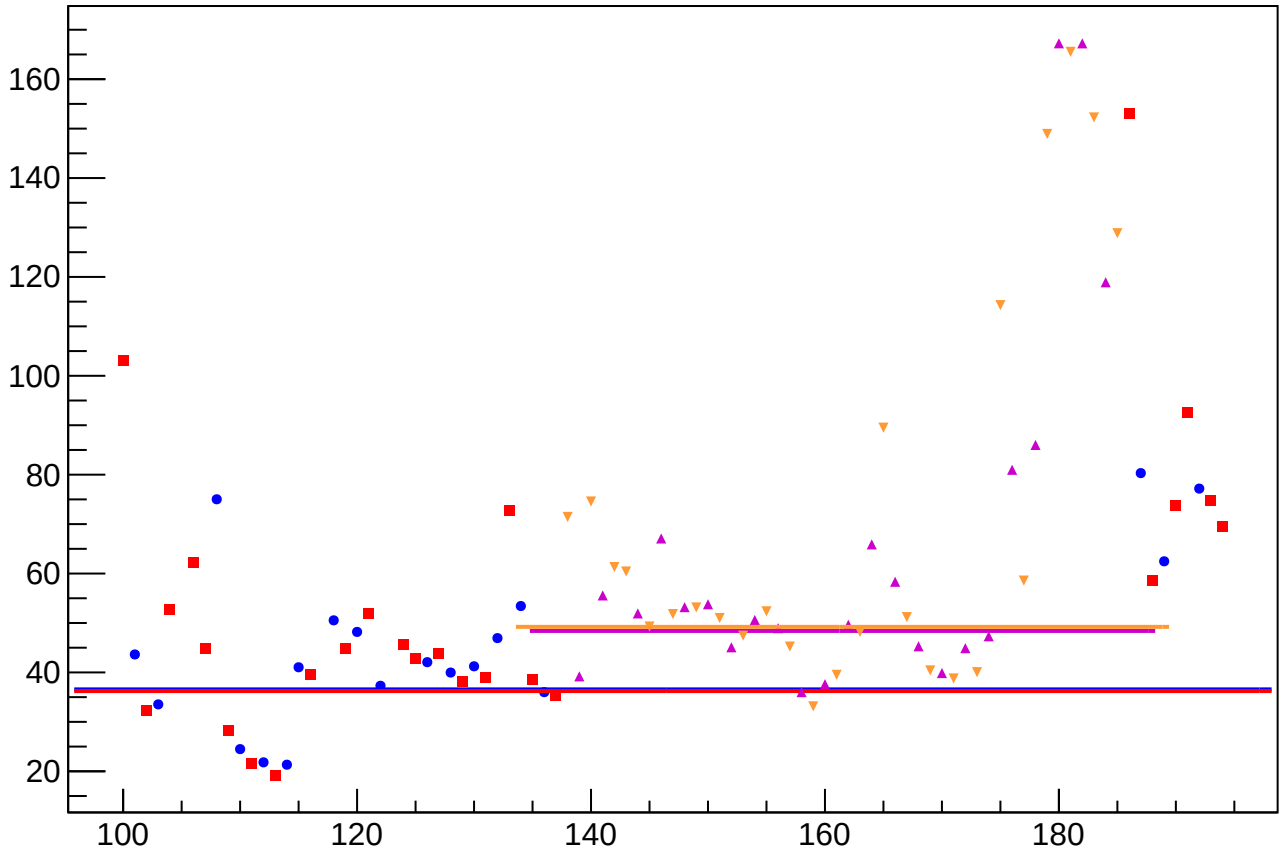
Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

Right: 0.008+/-0.009 χ^2/NDF: 44.5/43

In: 0.017+/-0.009 χ^2/NDF:47.9/41

Out: -0.007+/-0.009 χ^2/NDF:49.8/49

All: 0.005+/-0.006 χ^2/NDF: 101.2/91



Right In: 36.569+/-0.010 χ^2/NDF: 2014836.9/18

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 36.229+/-0.009 χ^2/NDF: 3715671.2/24

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

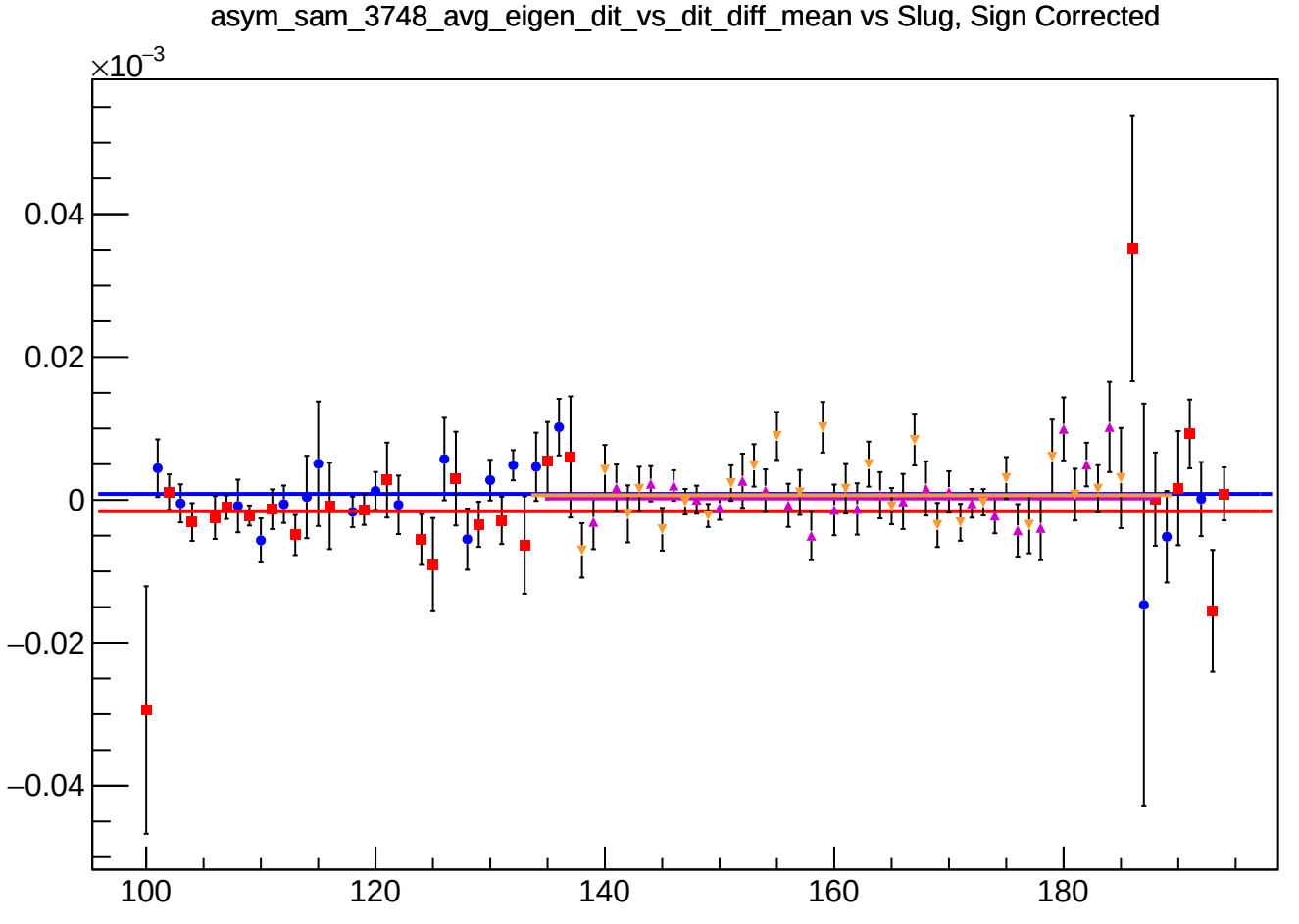
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 36.385+/-0.006 χ^2/NDF: 5731196.7/43

In: 42.993+/-0.006 χ^2/NDF:5882487.7/41

Out: 42.782+/-0.006 χ^2/NDF:8992525.8/49

All: 42.883+/-0.004 χ^2/NDF: 14875570.6/91



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/24

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

Left: 0.000+/-0.000 χ^2/NDF: 61.7/47

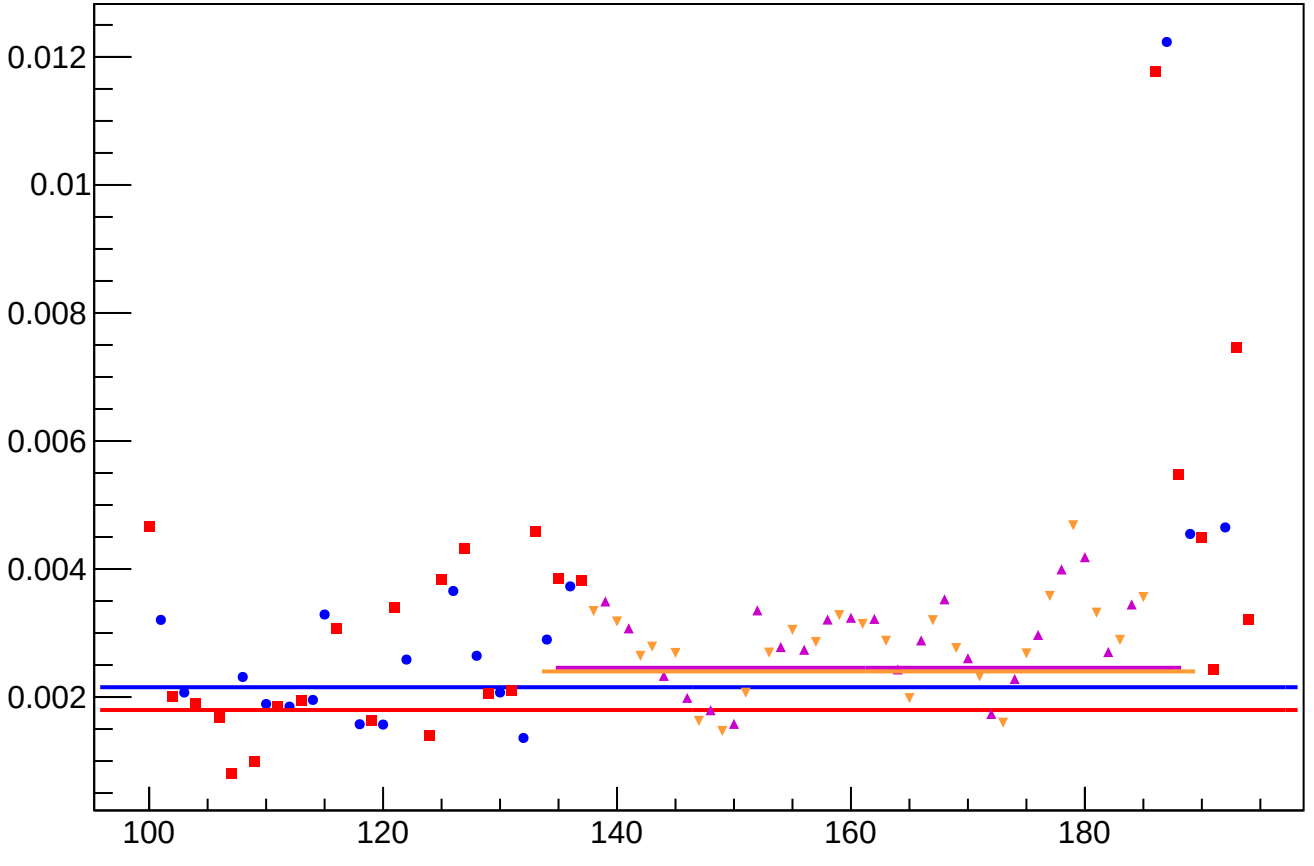
Right: -0.000+/-0.000 χ^2/NDF: 53.1/43

In: 0.000+/-0.000 χ^2/NDF:42.3/41

Out: -0.000+/-0.000 χ^2/NDF:73.8/49

All: 0.000+/-0.000 χ^2/NDF: 117.5/91

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2294331.5/18

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5698646.9/24

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

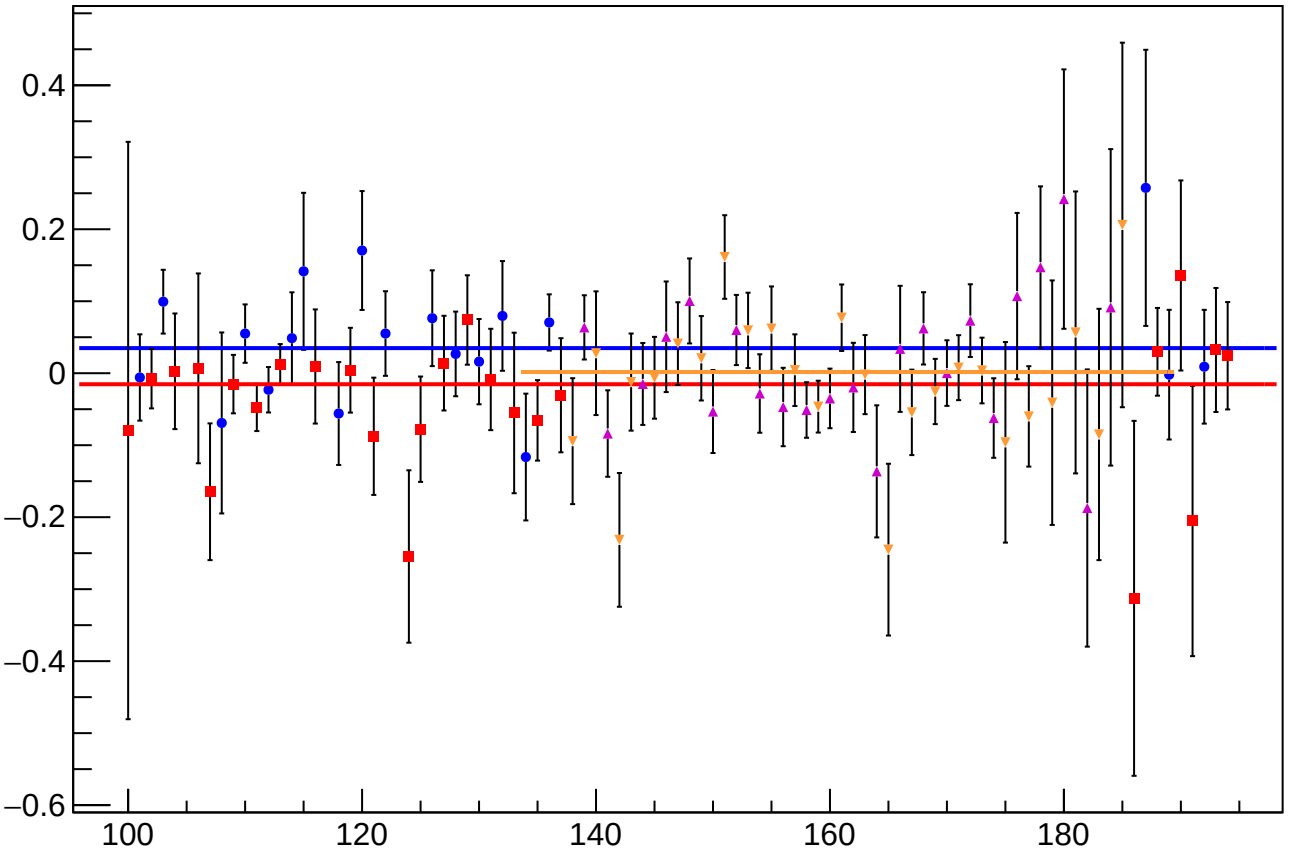
Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

Right: 0.002+/-0.000 χ^2/NDF: 8235883.1/43

In: 0.002+/-0.000 χ^2/NDF:5110094.5/41

Out: 0.002+/-0.000 χ^2/NDF:9798404.0/49

All: 0.002+/-0.000 χ^2/NDF: 15124613.6/91



Right In: 0.035+/-0.013 χ^2/NDF: 18.6/18

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.015+/-0.012 χ^2/NDF: 18.4/24

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

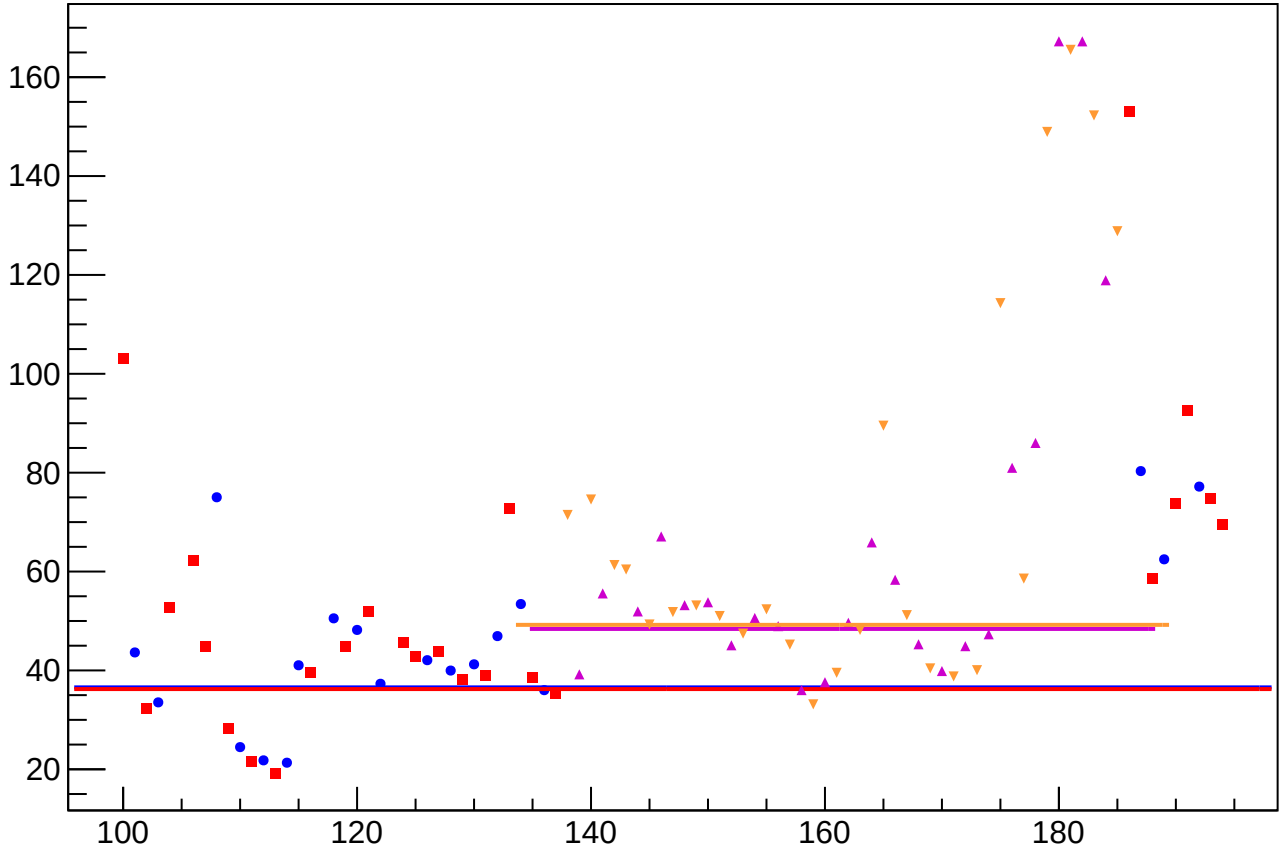
Right: 0.008+/-0.009 χ^2/NDF: 44.5/43

In: 0.017+/-0.009 χ^2/NDF:47.9/41

Out: -0.007+/-0.009 χ^2/NDF:49.8/49

All: 0.005+/-0.006 χ^2/NDF: 101.2/91

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.569+/-0.010 χ^2/NDF: 2014769.9/18

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 36.229+/-0.009 χ^2/NDF: 3715649.6/24

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

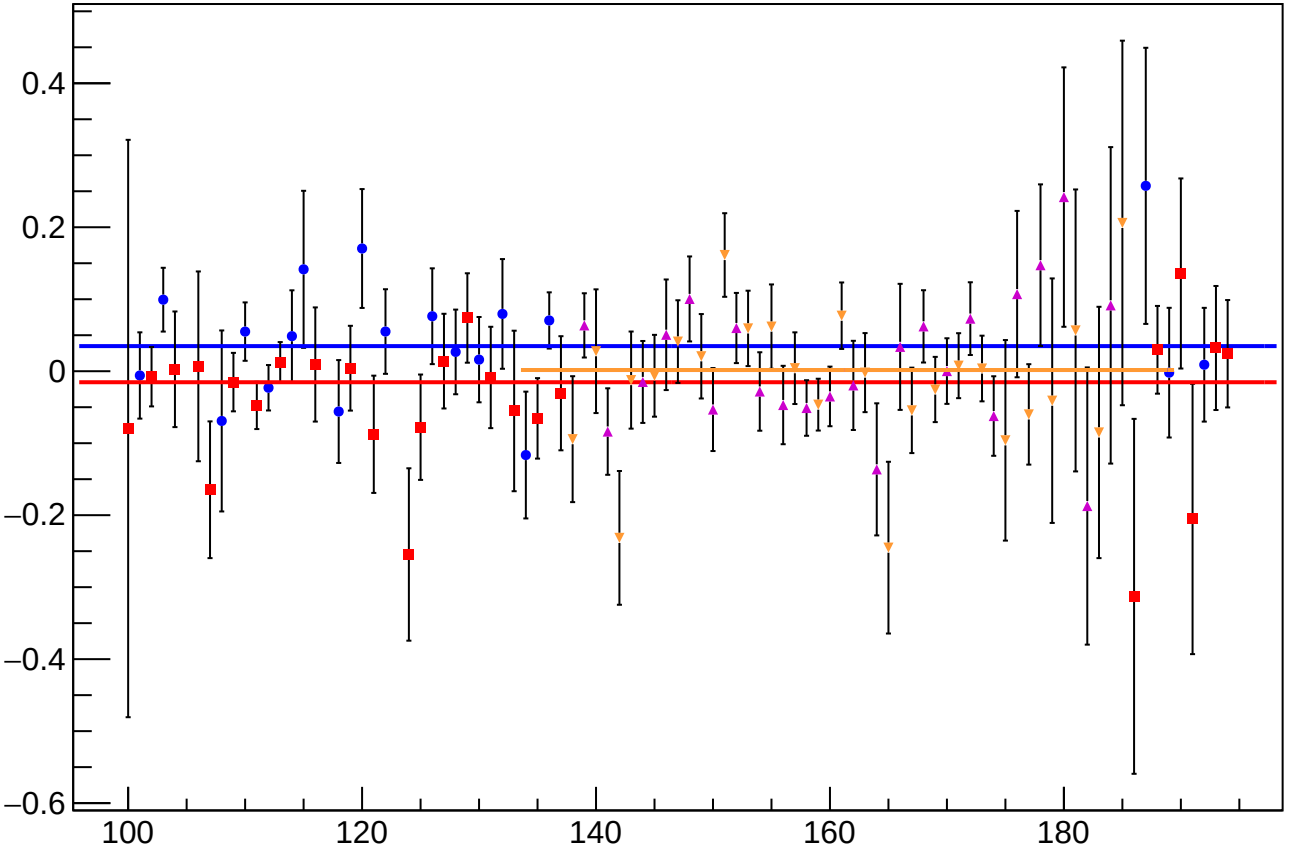
Right: 36.385+/-0.006 χ^2/NDF: 5731107.8/43

In: 42.993+/-0.006 χ^2/NDF:5882402.4/41

Out: 42.782+/-0.006 χ^2/NDF:8992476.5/49

All: 42.883+/-0.004 χ^2/NDF: 14875435.6/91

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.013 χ^2/NDF: 18.6/18

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.015+/-0.012 χ^2/NDF: 18.4/24

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

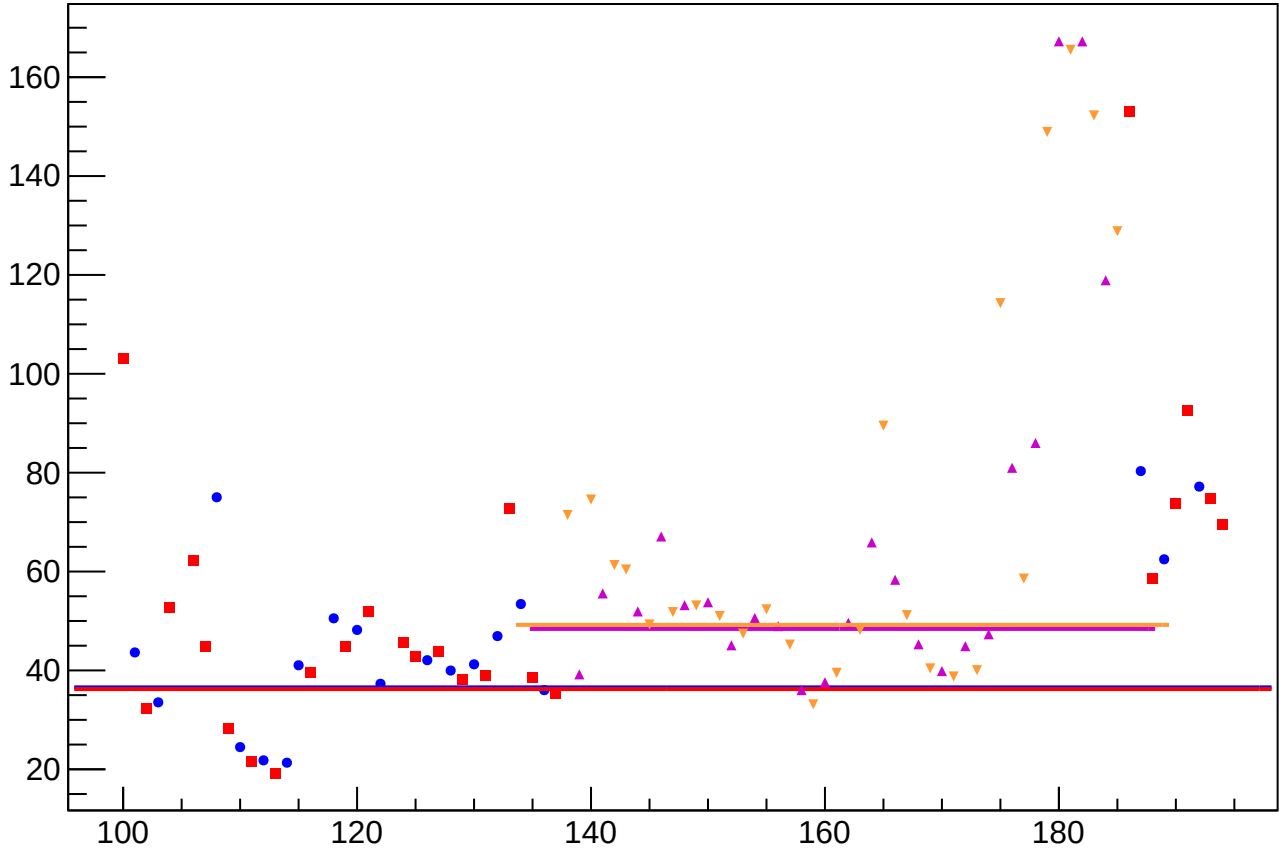
Right: 0.008+/-0.009 χ^2/NDF: 44.5/43

In: 0.017+/-0.009 χ^2/NDF:47.9/41

Out: -0.007+/-0.009 χ^2/NDF:49.8/49

All: 0.005+/-0.006 χ^2/NDF: 101.2/91

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.569+/-0.010 χ^2/NDF: 2014769.9/18

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 36.229+/-0.009 χ^2/NDF: 3715649.6/24

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

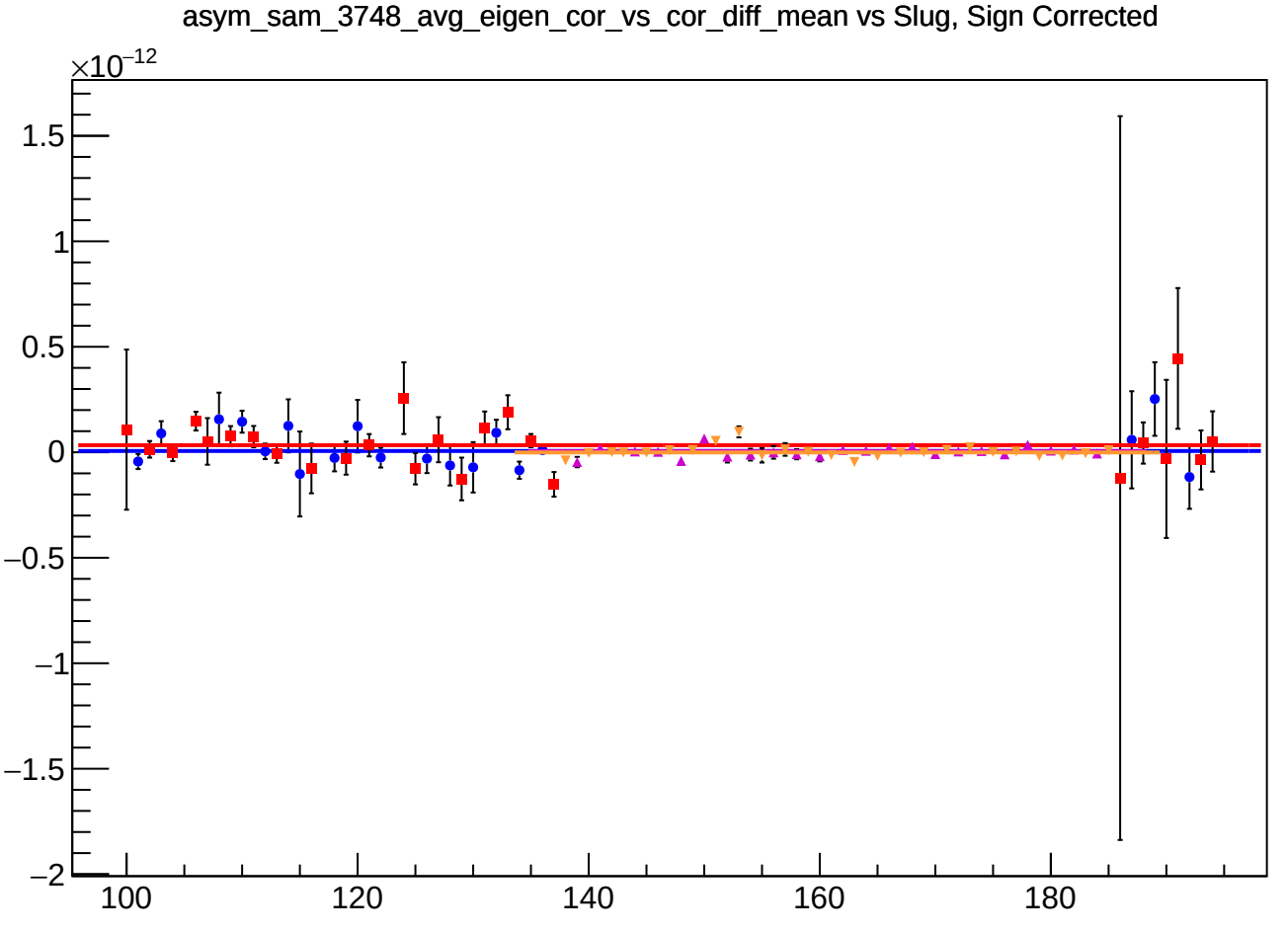
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 36.385+/-0.006 χ^2/NDF: 5731107.8/43

In: 42.993+/-0.006 χ^2/NDF:5882402.4/41

Out: 42.782+/-0.006 χ^2/NDF:8992476.5/49

All: 42.883+/-0.004 χ^2/NDF: 14875435.6/91



Right In: 0.000+/-0.000 χ^2/NDF: 26.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.3/24

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

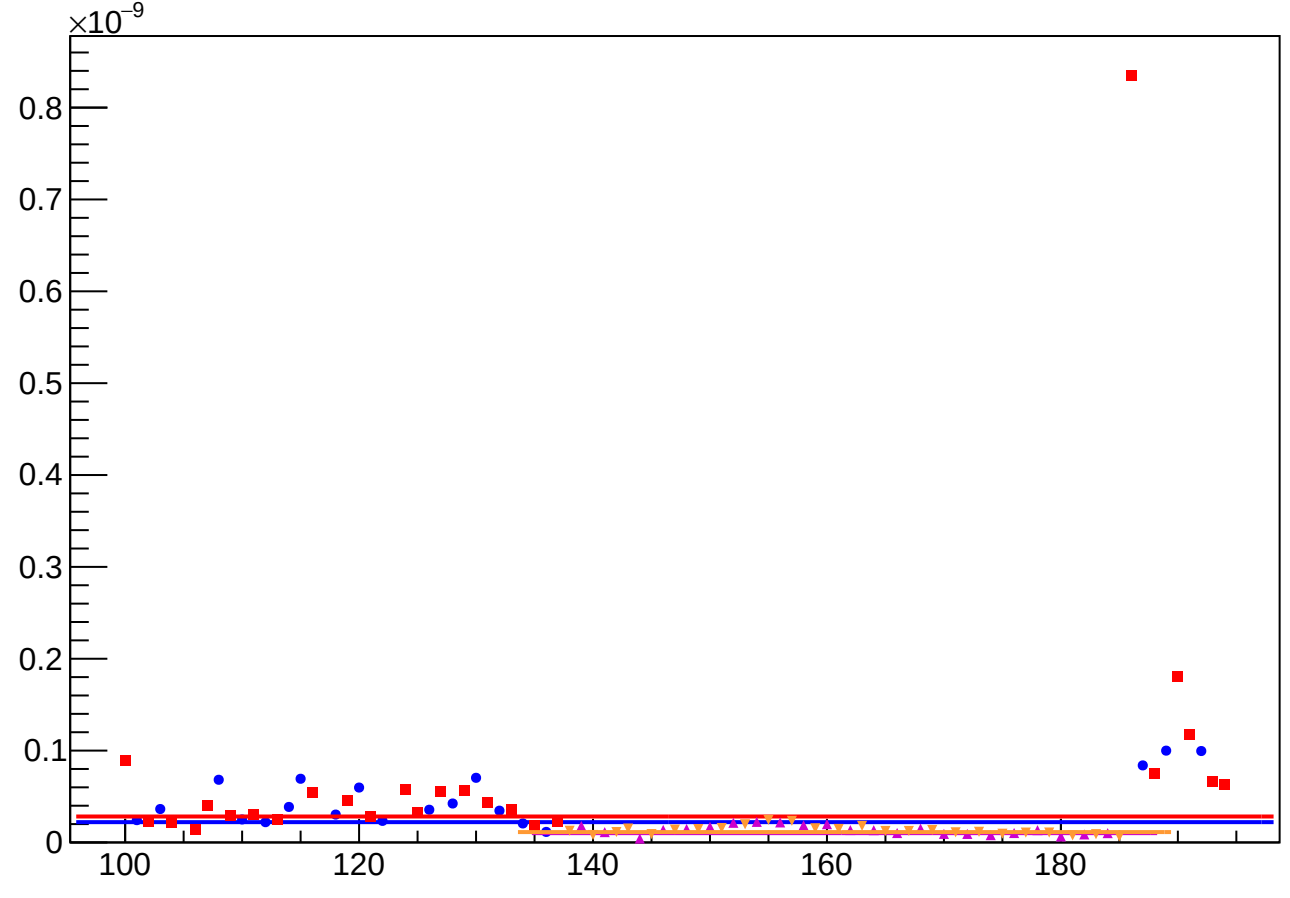
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: 0.000+/-0.000 χ^2/NDF: 64.2/43

In: 0.000+/-0.000 χ^2/NDF:54.7/41

Out: 0.000+/-0.000 χ^2/NDF:79.0/49

All: 0.000+/-0.000 χ^2/NDF: 134.6/91



Right In: 0.000+/-0.000 χ^2/NDF: 3164262.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2894641.6/24

Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

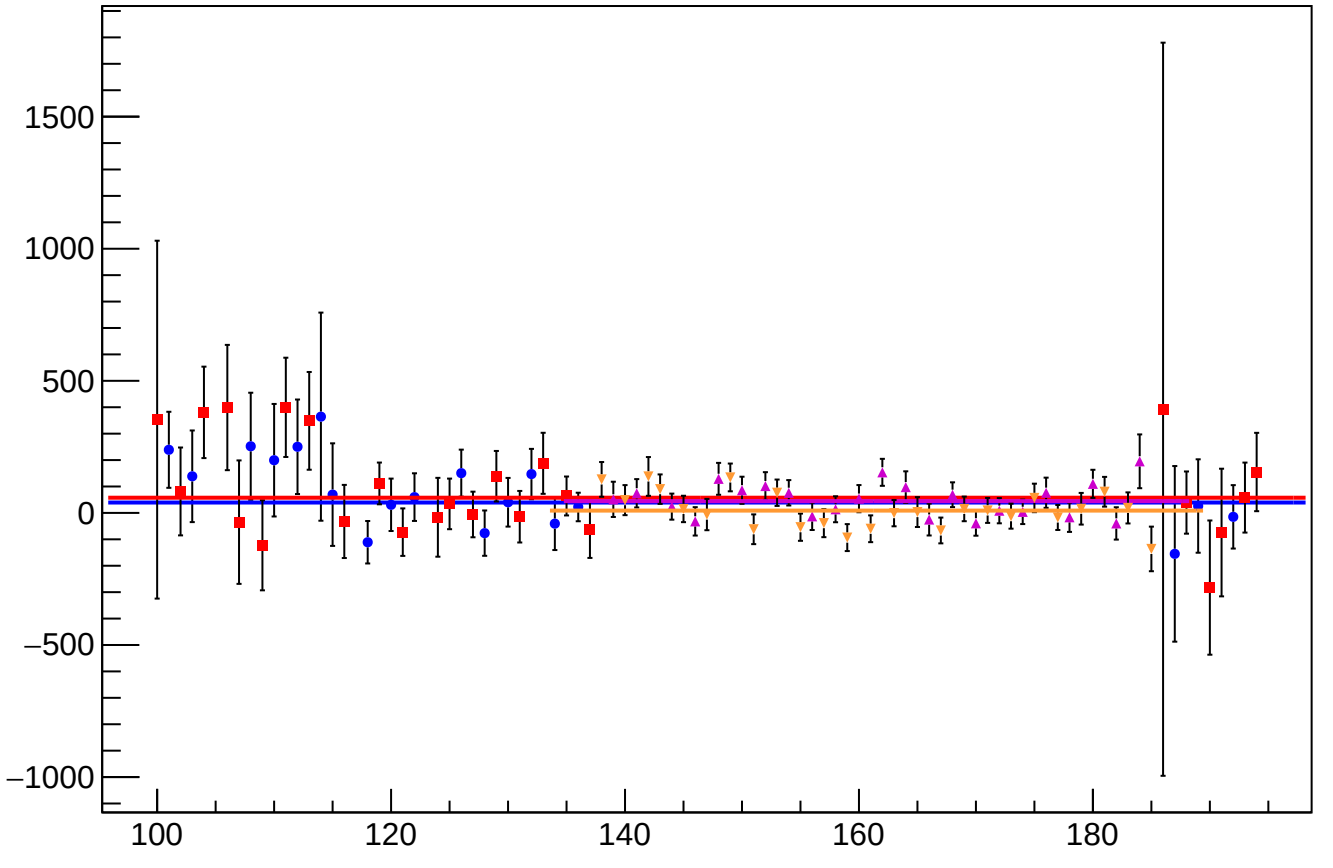
Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

Right: 0.000+/-0.000 χ^2/NDF: 6317848.8/43

In: 0.000+/-0.000 χ^2/NDF:9250145.2/41

Out: 0.000+/-0.000 χ^2/NDF:8396178.7/49

All: 0.000+/-0.000 χ^2/NDF: 17825459.4/91



Right In: 39.297+/-24.884 χ^2/NDF: 15.5/18

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: 57.521+/-25.076 χ^2/NDF: 23.0/24

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

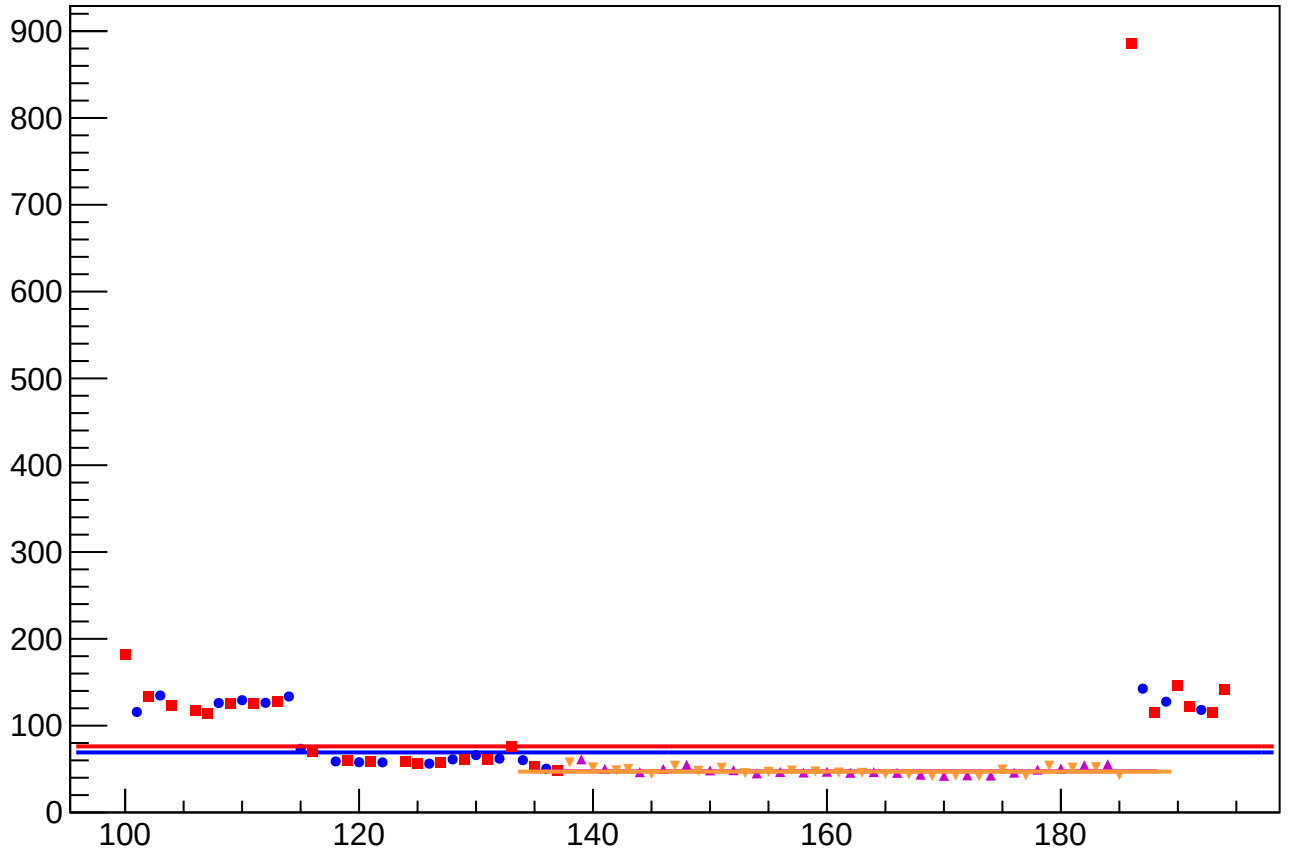
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 48.338+/-17.663 χ^2/NDF: 38.8/43

In: 43.665+/-10.174 χ^2/NDF:42.6/41

Out: 16.350+/-9.896 χ^2/NDF:60.8/49

All: 29.628+/-7.094 χ^2/NDF: 107.1/91



Right In: 69.153+/-0.018 χ^2/NDF: 2141641.8/18

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 76.103+/-0.018 χ^2/NDF: 3480630.9/24

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

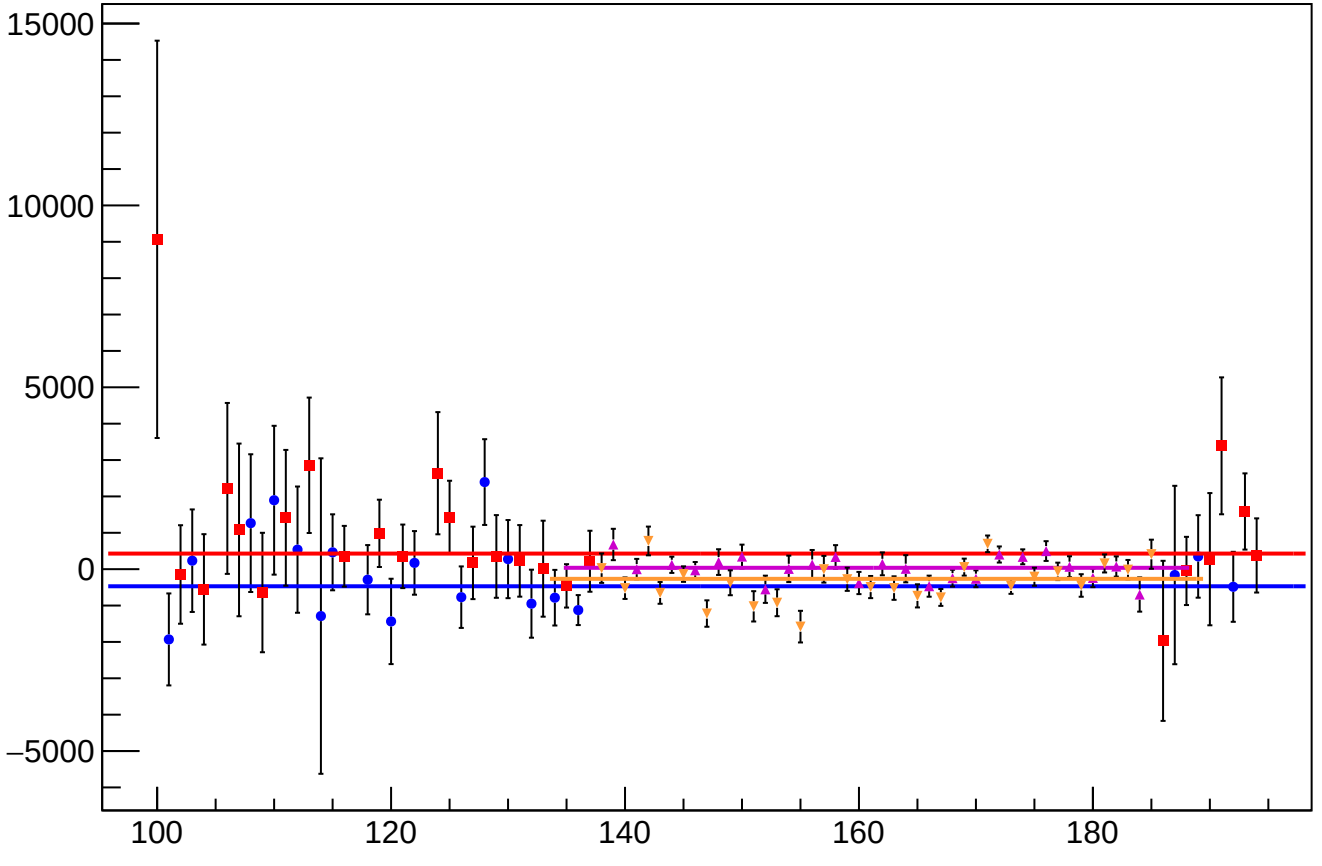
Right: 72.601+/-0.012 χ^2/NDF: 5699671.9/43

In: 51.023+/-0.007 χ^2/NDF:3687562.3/41

Out: 51.586+/-0.007 χ^2/NDF:6032651.7/49

All: 51.312+/-0.005 χ^2/NDF: 9723364.2/91

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -470.124+/-224.530 χ^2/NDF: 16.2/18

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: 428.608+/-229.341 χ^2/NDF: 16.9/24

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

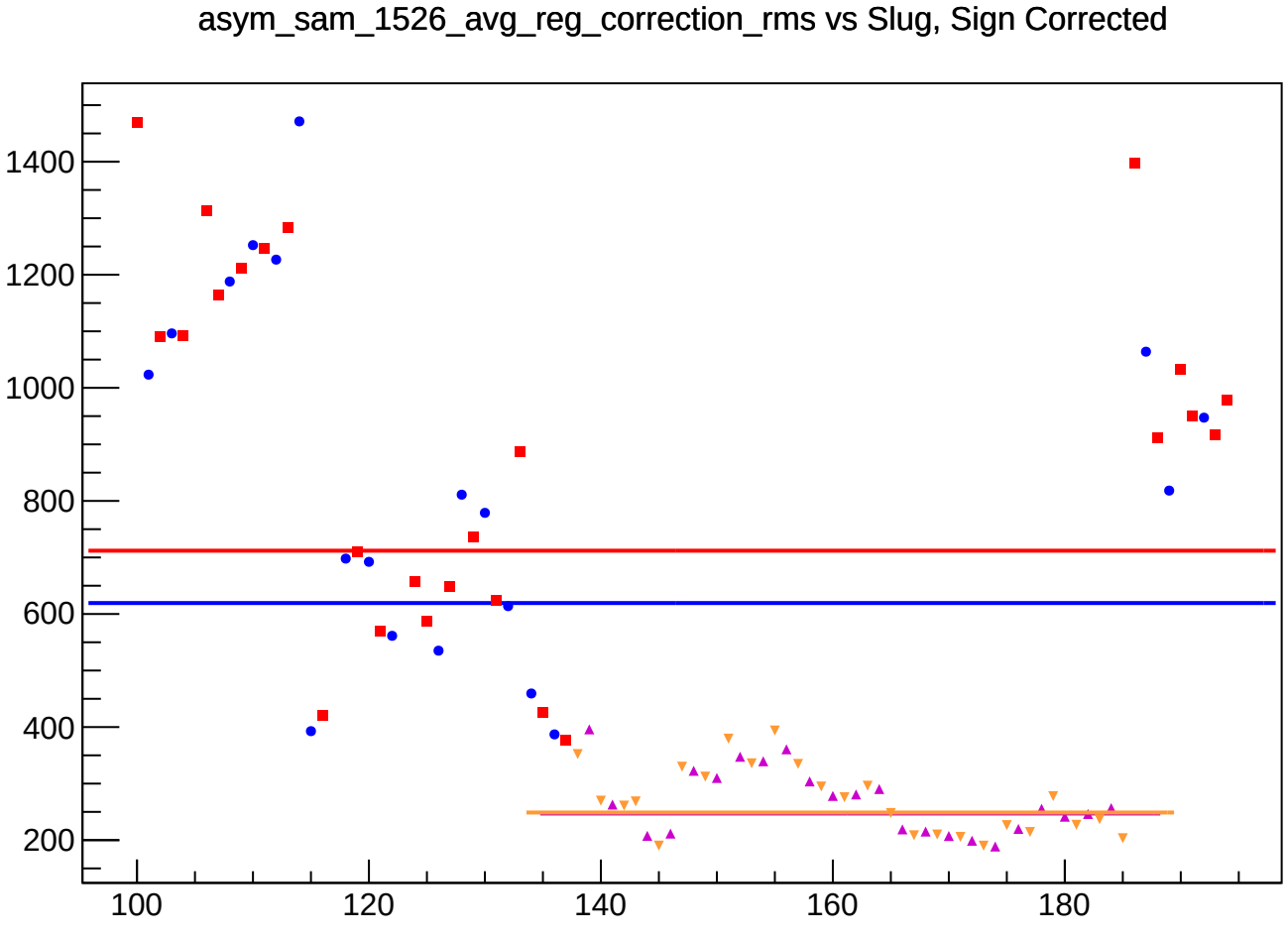
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -30.284+/-160.440 χ^2/NDF: 41.0/43

In: 4.575+/-57.207 χ^2/NDF:47.6/41

Out: -223.905+/-56.258 χ^2/NDF:95.3/49

All: -111.576+/-40.112 χ^2/NDF: 151.0/91



Right In: 619.367+/-0.159 χ^2/NDF: 2450843.6/18

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 711.968+/-0.162 χ^2/NDF: 2824401.5/24

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

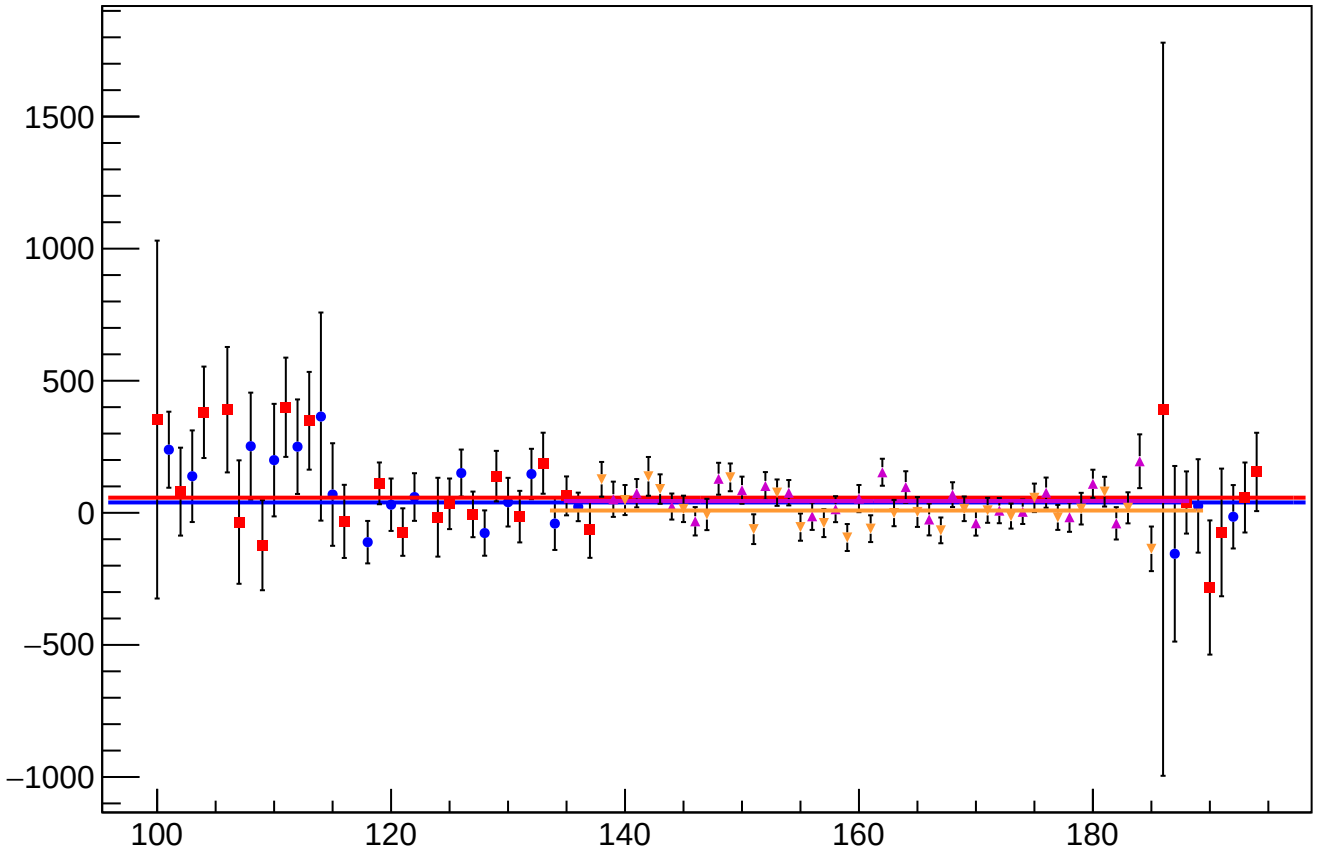
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 664.686+/-0.113 χ^2/NDF: 5441733.5/43

In: 271.275+/-0.040 χ^2/NDF:9075969.2/41

Out: 276.756+/-0.040 χ^2/NDF:12151517.7/49

All: 274.061+/-0.028 χ^2/NDF: 21236821.7/91



Right In: 39.289+/-24.884 χ^2/NDF: 15.5/18

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 57.389+/-25.077 χ^2/NDF: 22.9/24

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

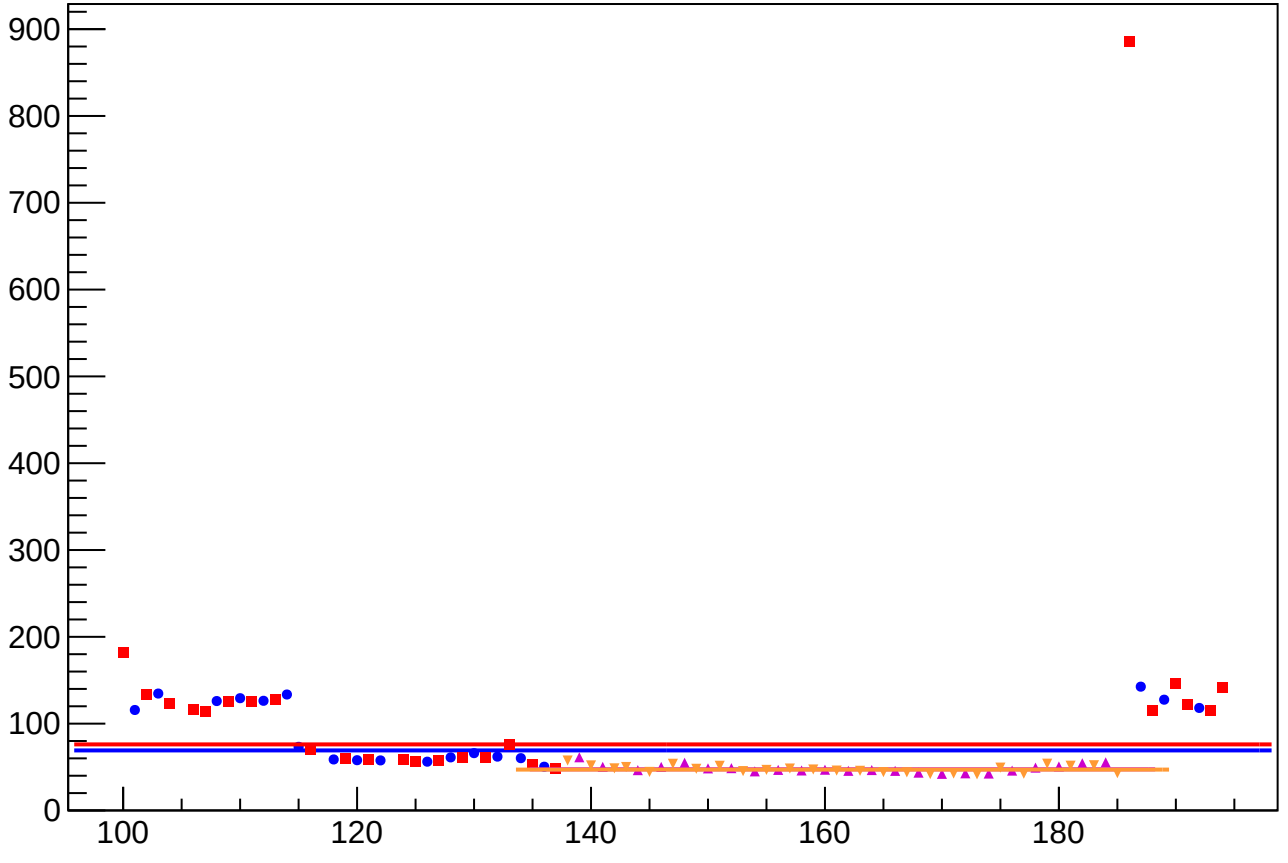
Right: 48.269+/-17.663 χ^2/NDF: 38.7/43

In: 43.662+/-10.174 χ^2/NDF:42.6/41

Out: 16.331+/-9.896 χ^2/NDF:60.7/49

All: 29.617+/-7.094 χ^2/NDF: 107.0/91

cor_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 69.153+/-0.018 χ^2/NDF: 2141644.1/18

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 76.091+/-0.018 χ^2/NDF: 3477873.8/24

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

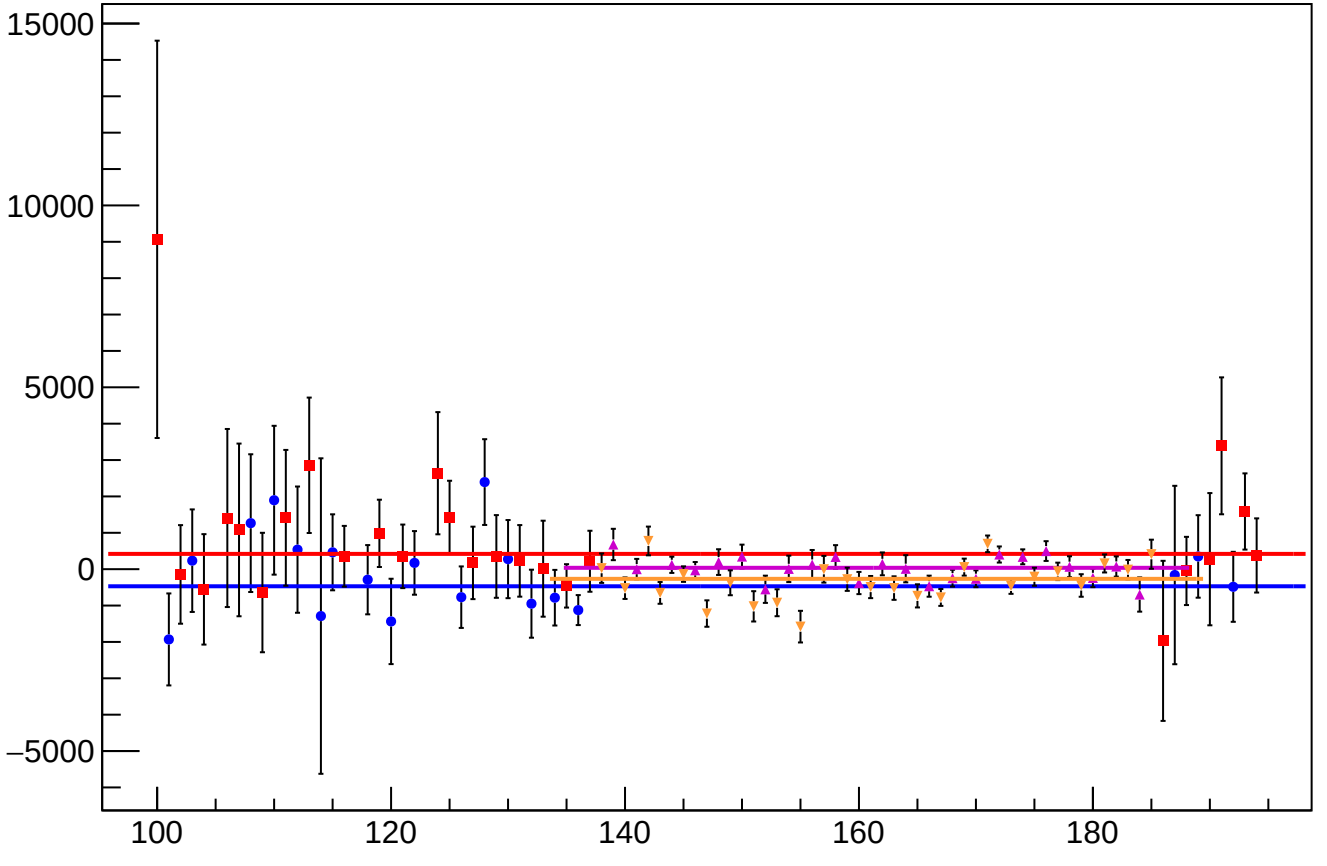
Right: 72.595+/-0.012 χ^2/NDF: 5696644.6/43

In: 51.023+/-0.007 χ^2/NDF:3687564.4/41

Out: 51.584+/-0.007 χ^2/NDF:6027902.3/49

All: 51.311+/-0.005 χ^2/NDF: 9718593.6/91

asym_sam_1526_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -470.108+/-224.530 χ^2/NDF: 16.2/18

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 420.201+/-229.431 χ^2/NDF: 16.5/24

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

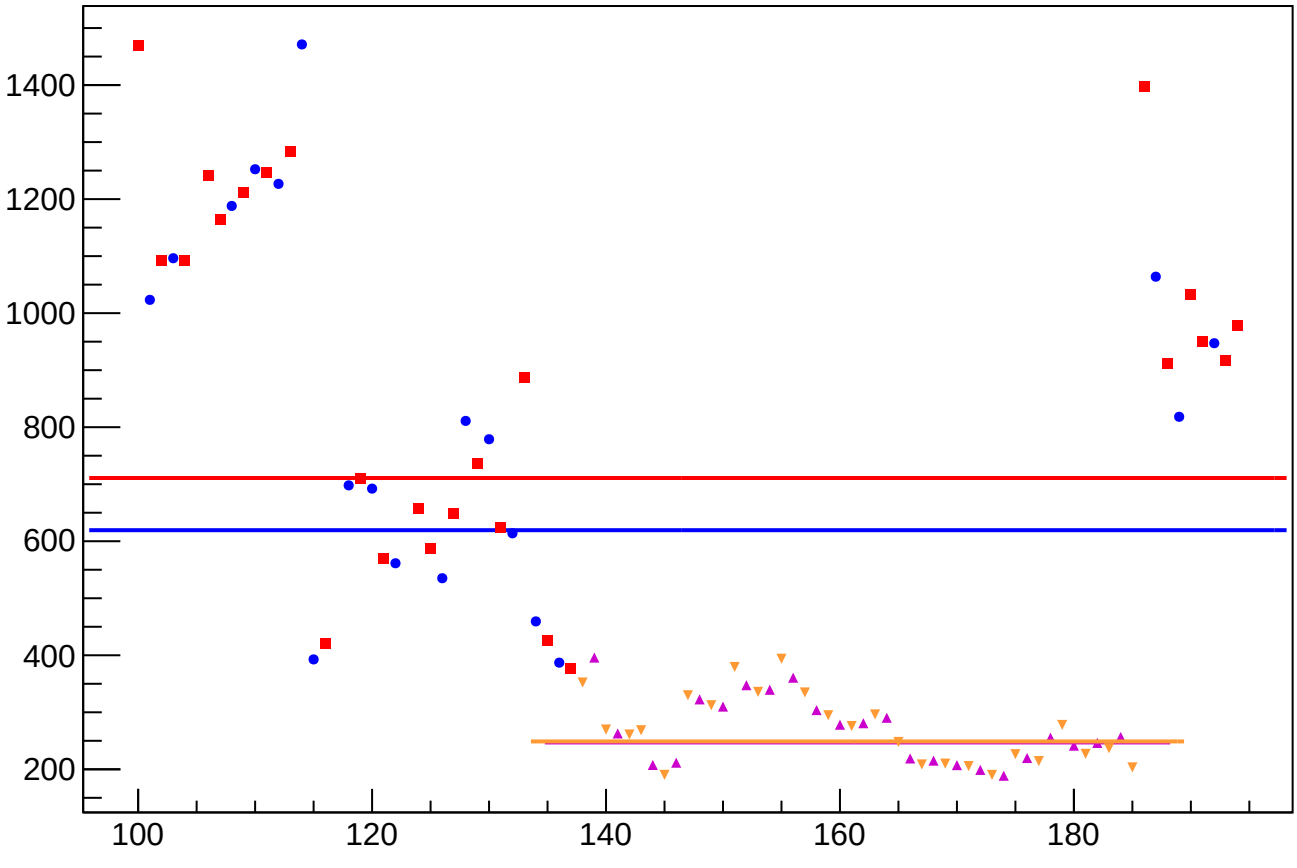
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -34.566+/-160.471 χ^2/NDF: 40.4/43

In: 4.573+/-57.207 χ^2/NDF:47.6/41

Out: -224.439+/-56.259 χ^2/NDF:94.7/49

All: -111.845+/-40.112 χ^2/NDF: 150.4/91



Right In: 619.366+/-0.159 χ^2/NDF: 2450881.9/18

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 710.892+/-0.162 χ^2/NDF: 2787339.7/24

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

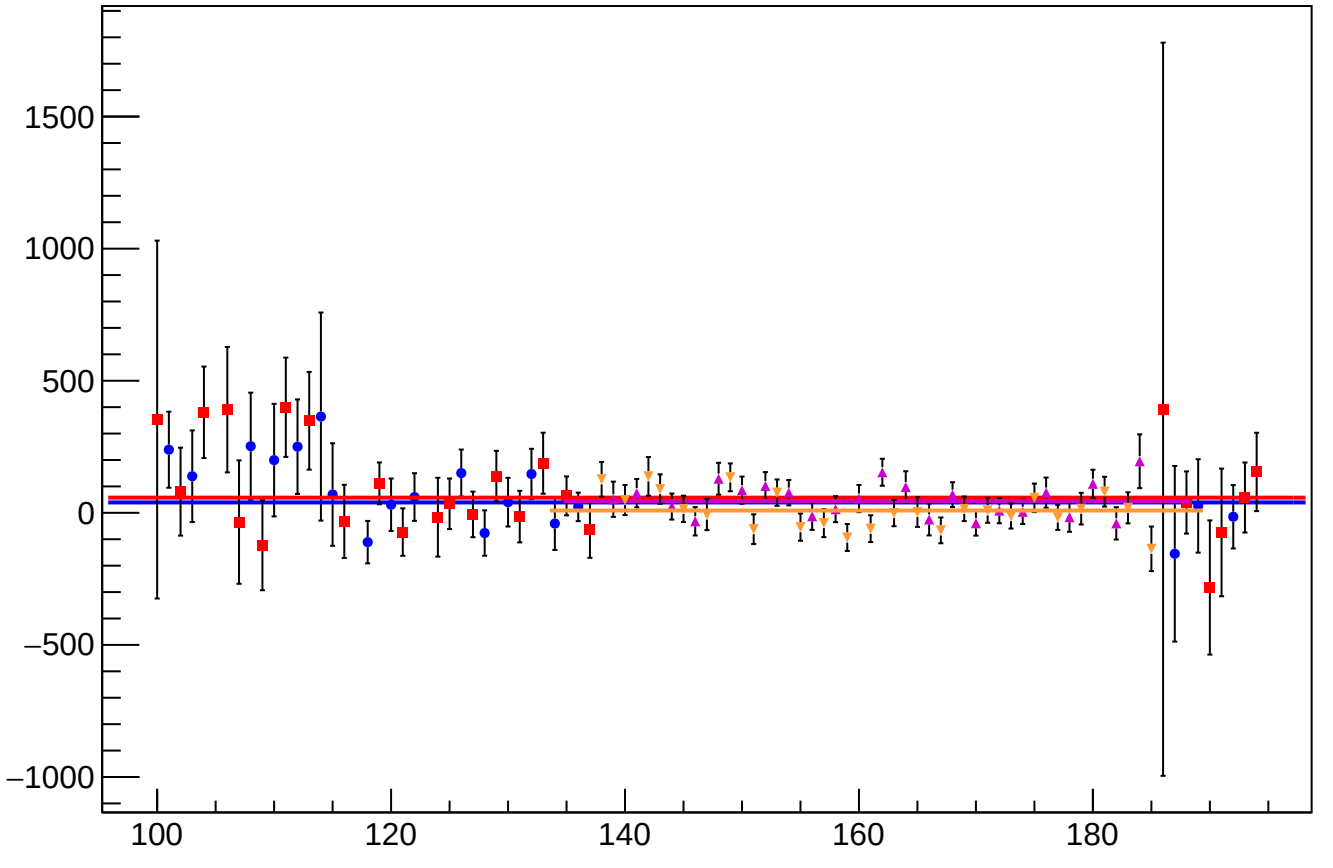
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 664.141+/-0.113 χ^2/NDF: 5400799.9/43

In: 271.275+/-0.040 χ^2/NDF:9075980.5/41

Out: 276.670+/-0.040 χ^2/NDF:12073242.3/49

All: 274.018+/-0.028 χ^2/NDF: 21158267.9/91



Right In: 39.289+/-24.884 χ^2/NDF: 15.5/18

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 57.389+/-25.077 χ^2/NDF: 22.9/24

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

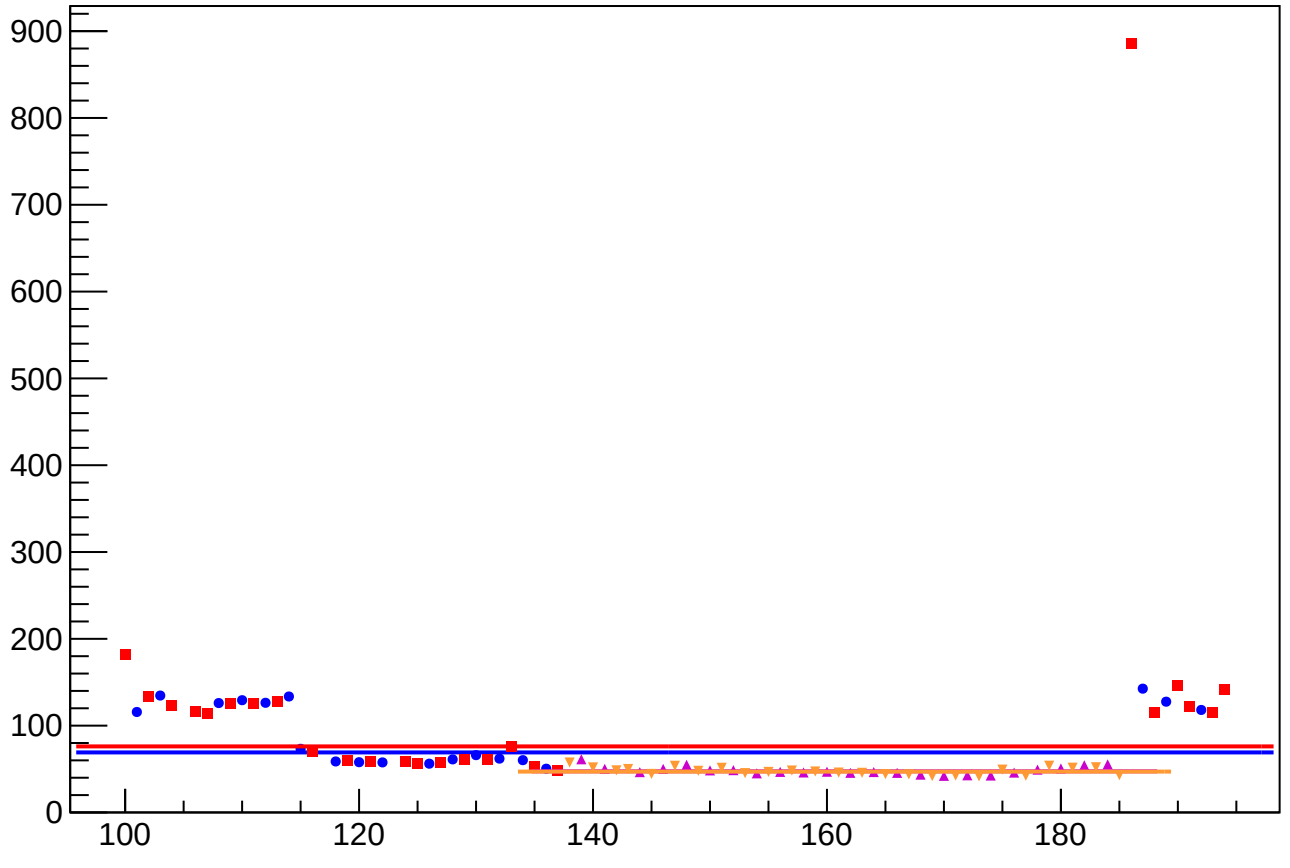
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 48.269+/-17.663 χ^2/NDF: 38.7/43

In: 43.662+/-10.174 χ^2/NDF:42.6/41

Out: 16.331+/-9.896 χ^2/NDF:60.7/49

All: 29.617+/-7.094 χ^2/NDF: 107.0/91



Right In: 69.153+/-0.018 χ^2/NDF: 2141644.1/18

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 76.091+/-0.018 χ^2/NDF: 3477873.8/24

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

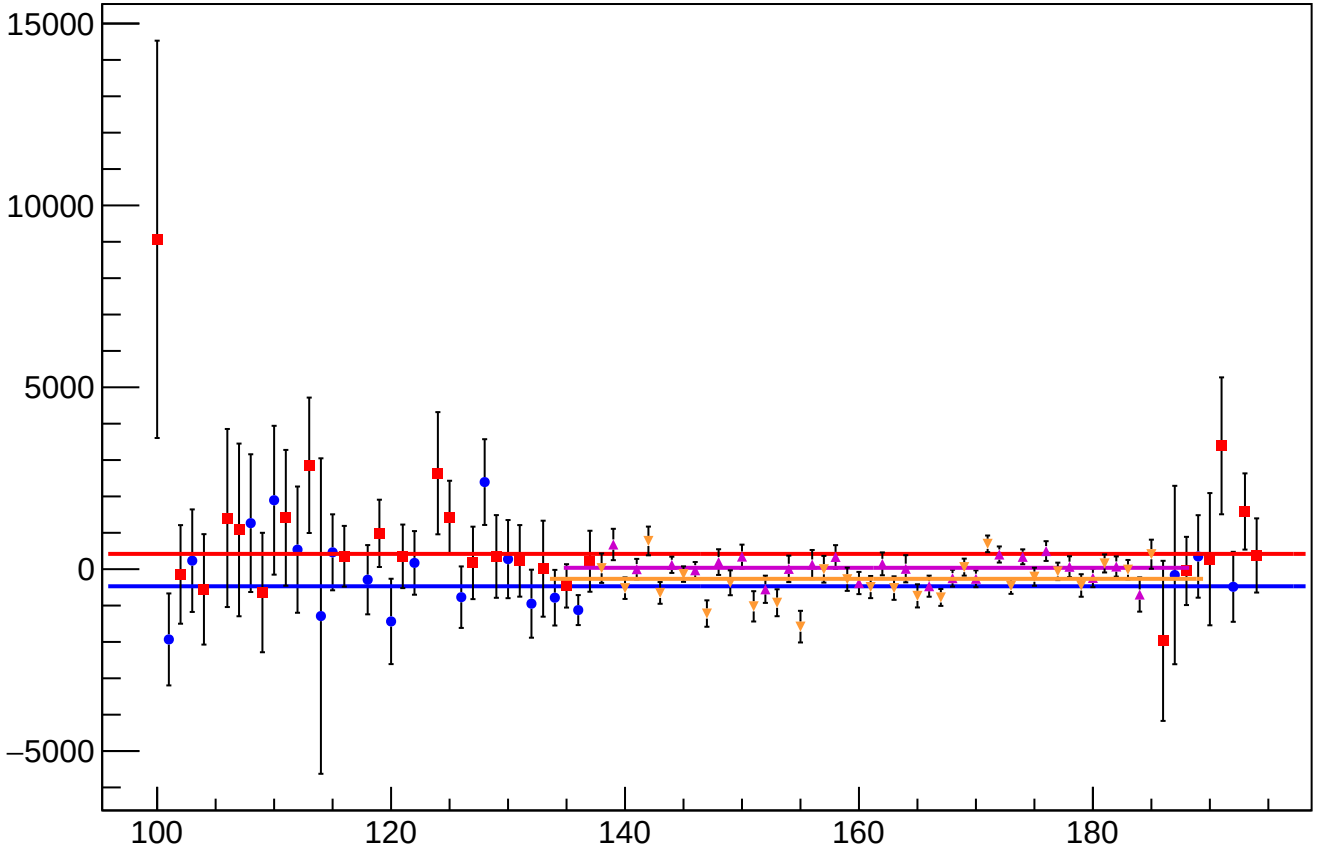
Right: 72.595+/-0.012 χ^2/NDF: 5696644.6/43

In: 51.023+/-0.007 χ^2/NDF:3687564.4/41

Out: 51.584+/-0.007 χ^2/NDF:6027902.3/49

All: 51.311+/-0.005 χ^2/NDF: 9718593.6/91

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -470.108+/-224.530 χ^2/NDF: 16.2/18

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 420.201+/-229.431 χ^2/NDF: 16.5/24

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

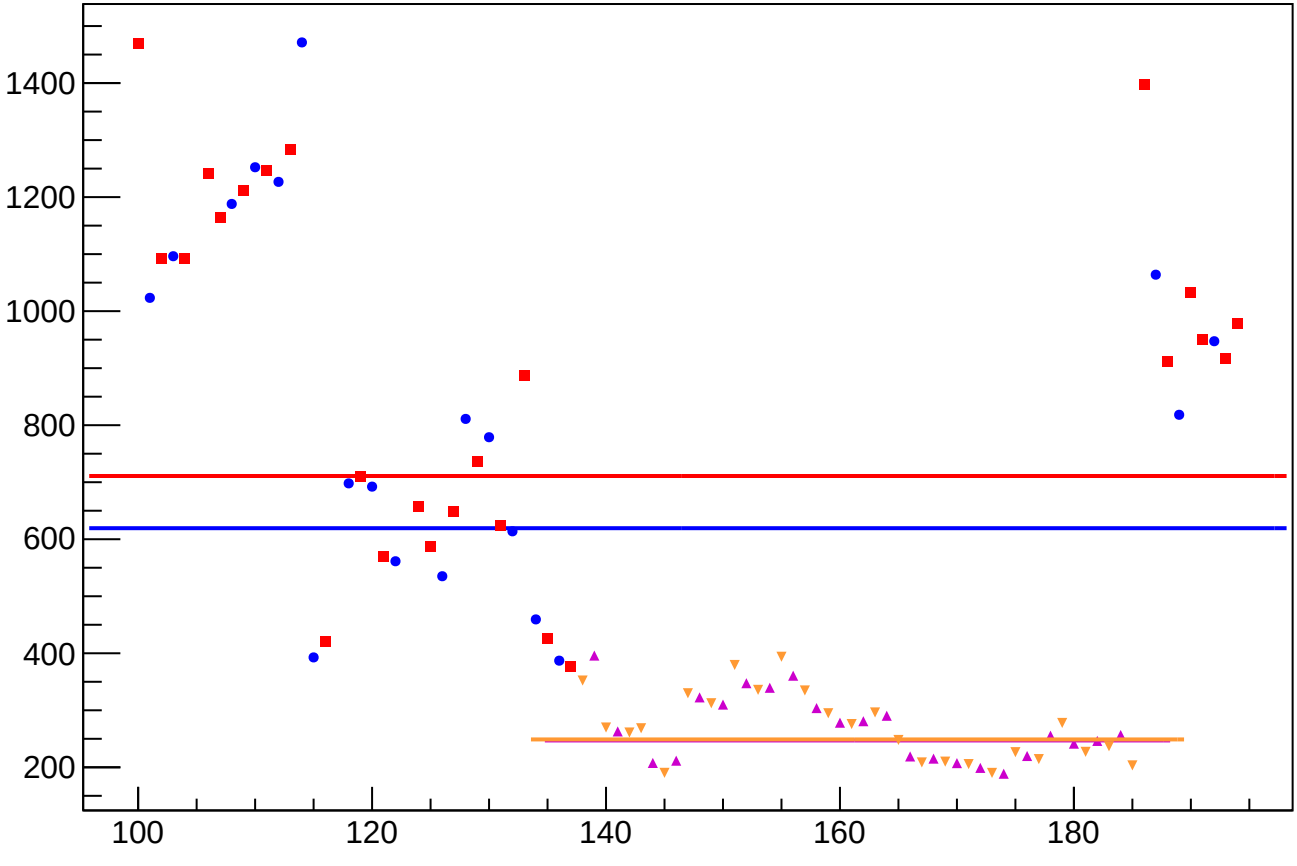
Right: -34.566+/-160.471 χ^2/NDF: 40.4/43

In: 4.573+/-57.207 χ^2/NDF:47.6/41

Out: -224.439+/-56.259 χ^2/NDF:94.7/49

All: -111.845+/-40.112 χ^2/NDF: 150.4/91

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 619.366+/-0.159 χ^2/NDF: 2450881.9/18

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 710.892+/-0.162 χ^2/NDF: 2787339.7/24

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

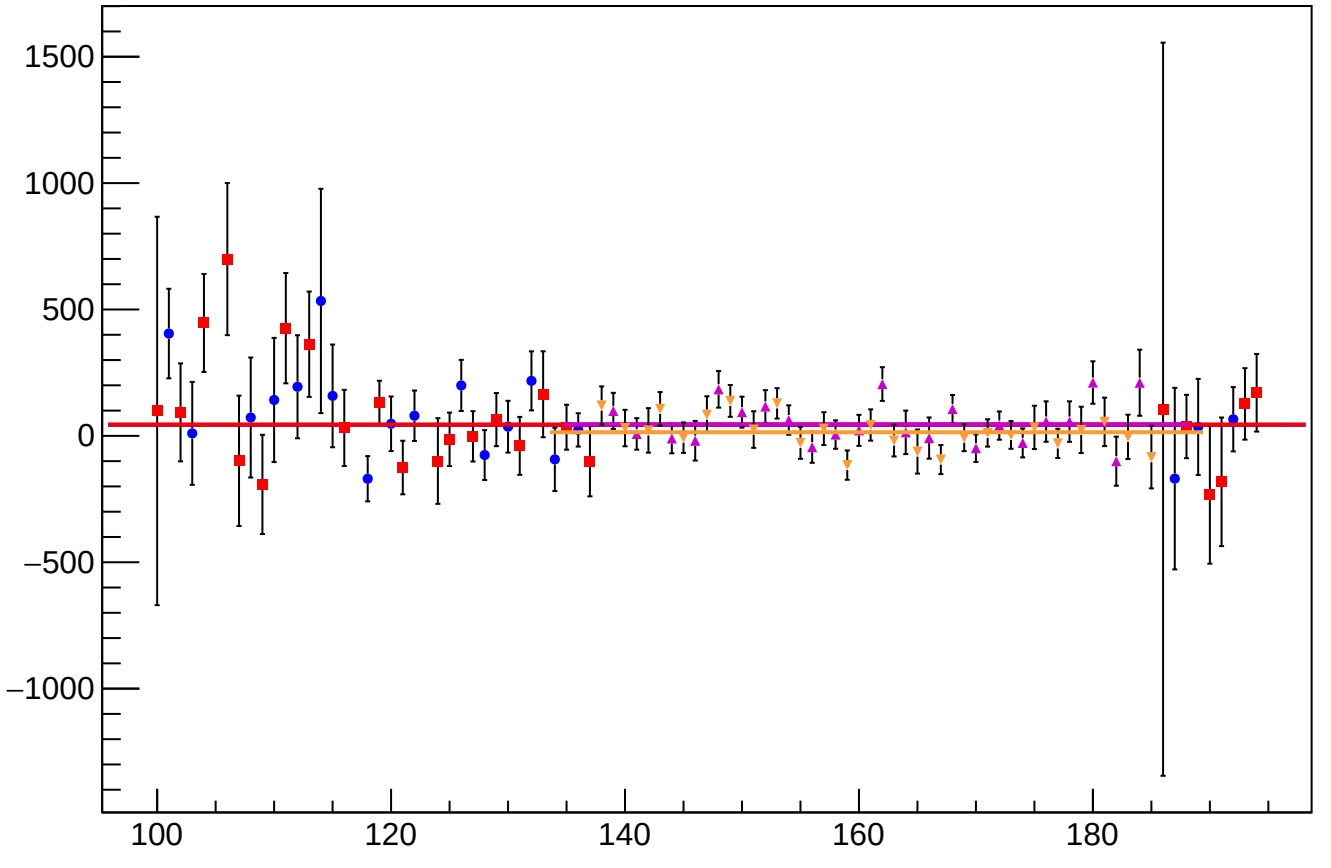
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 664.141+/-0.113 χ^2/NDF: 5400799.9/43

In: 271.275+/-0.040 χ^2/NDF:9075980.5/41

Out: 276.670+/-0.040 χ^2/NDF:12073242.3/49

All: 274.018+/-0.028 χ^2/NDF: 21158267.9/91



Right In: 43.910+/-28.687 χ^2/NDF: 20.0/18

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 44.599+/-28.753 χ^2/NDF: 26.1/24

Left In: 45.806+/-13.931 χ^2/NDF:30.7/22

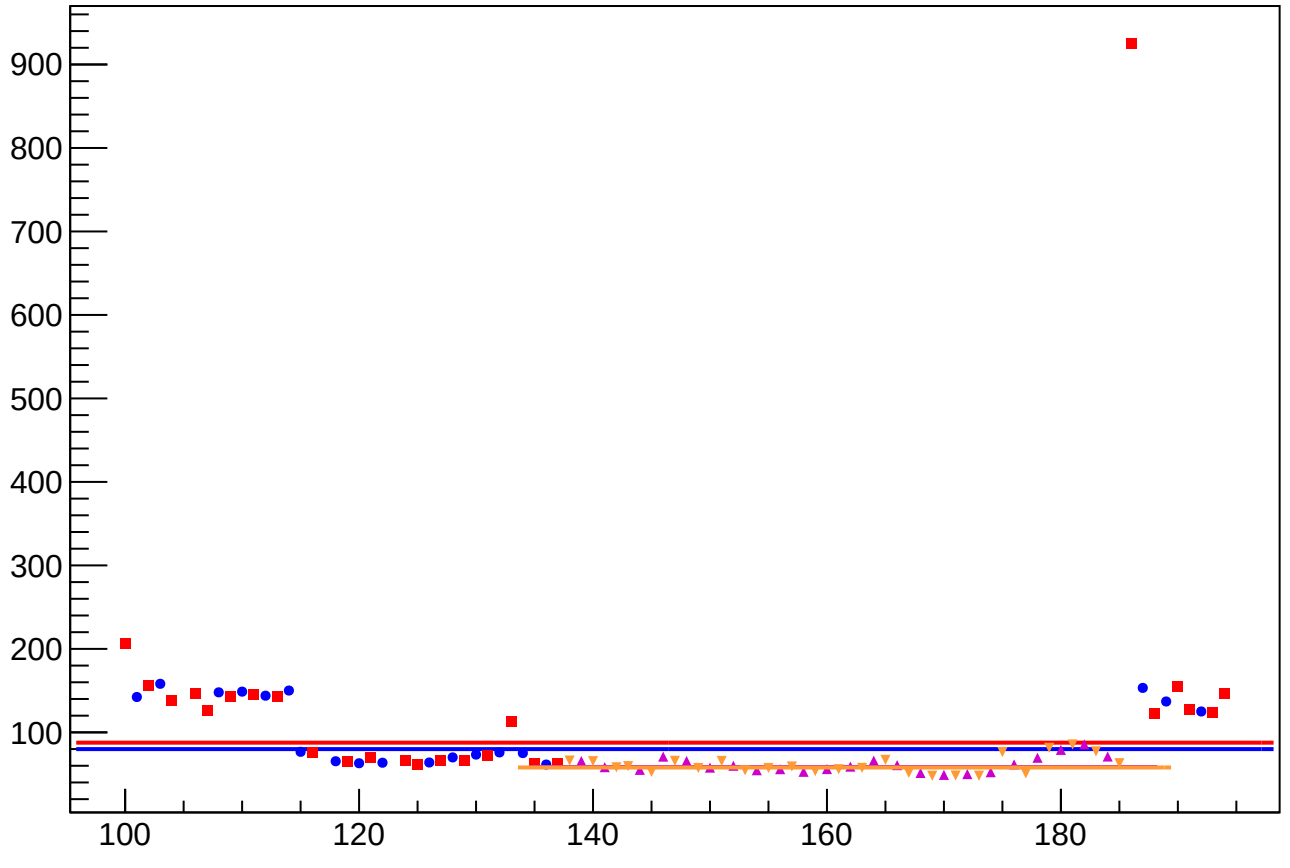
Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

Right: 44.254+/-20.308 χ^2/NDF: 46.1/43

In: 45.444+/-12.532 χ^2/NDF:50.7/41

Out: 19.905+/-12.186 χ^2/NDF:51.6/49

All: 32.318+/-8.736 χ^2/NDF: 104.4/91



Right In: 79.957+/-0.020 χ^2/NDF: 2023640.5/18

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

Right Out: 87.673+/-0.020 χ^2/NDF: 3234358.8/24

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

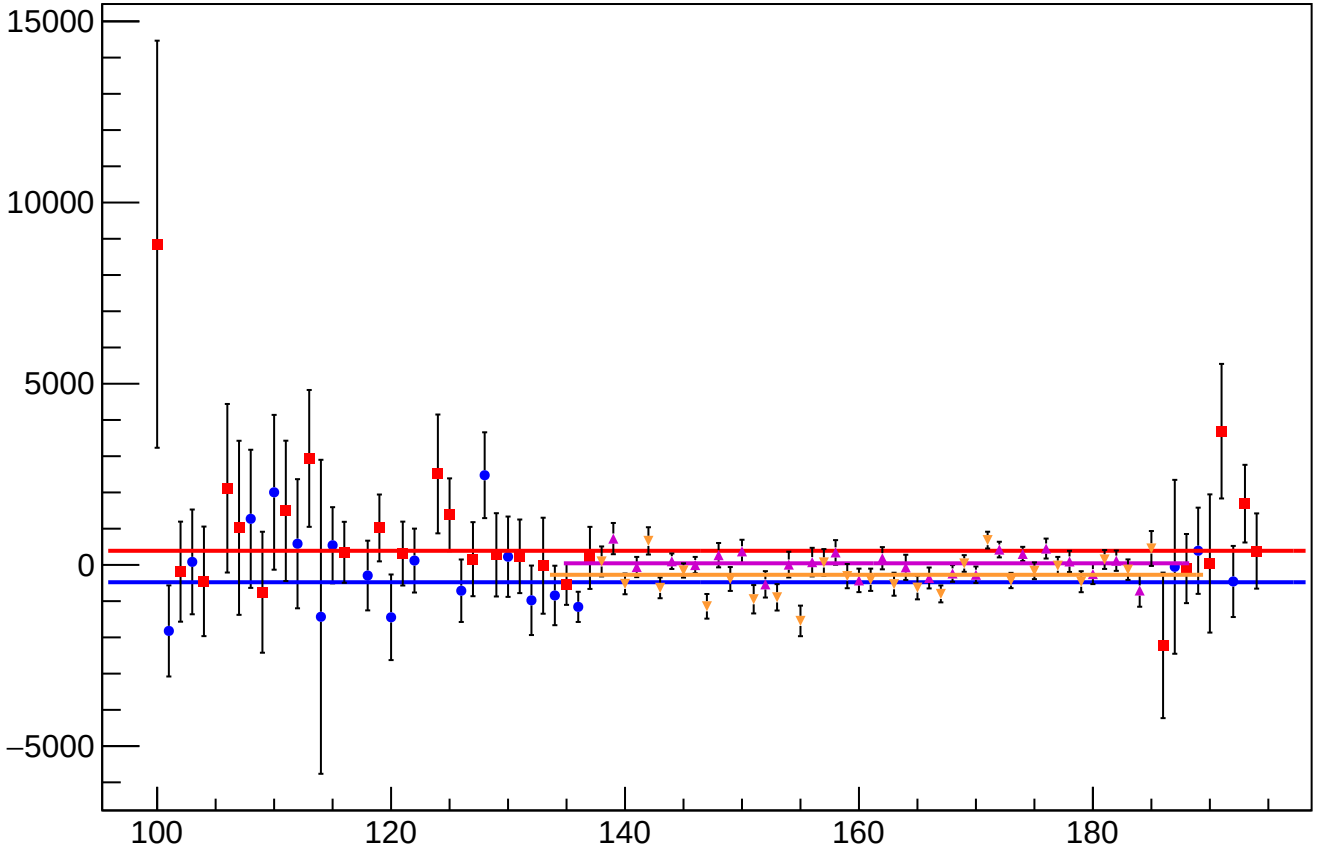
Right: 83.806+/-0.014 χ^2/NDF: 5330171.7/43

In: 62.578+/-0.009 χ^2/NDF:3580731.5/41

Out: 63.302+/-0.009 χ^2/NDF:5882811.4/49

All: 62.950+/-0.006 χ^2/NDF: 9466972.3/91

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -477.941+/-228.866 χ^2/NDF: 16.4/18

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: 389.551+/-230.045 χ^2/NDF: 18.6/24

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

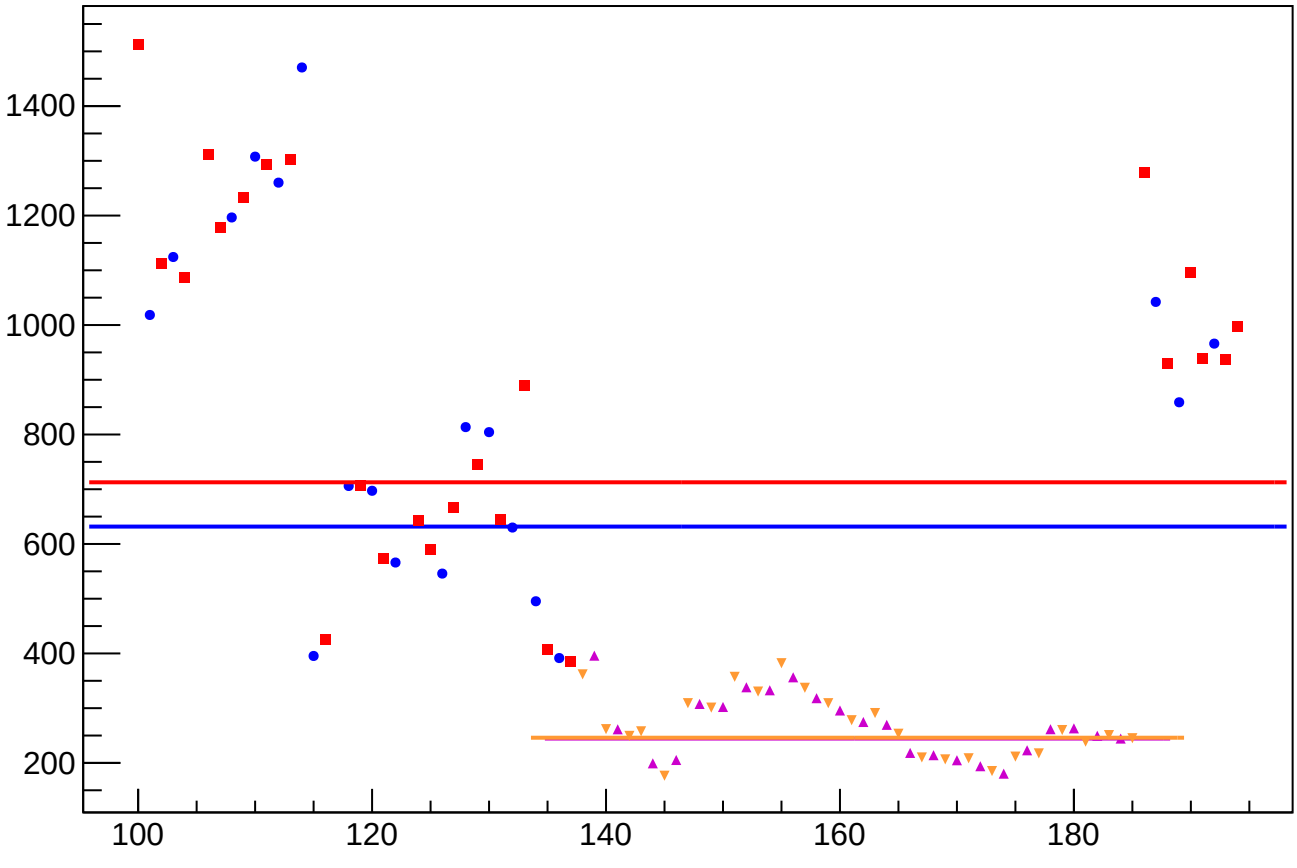
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -46.425+/-162.248 χ^2/NDF: 42.1/43

In: 12.391+/-56.782 χ^2/NDF:47.8/41

Out: -233.870+/-55.577 χ^2/NDF:92.1/49

All: -113.378+/-39.718 χ^2/NDF: 149.5/91



Right In: 631.764+/-0.162 χ^2/NDF: 2450473.3/18

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 712.682+/-0.163 χ^2/NDF: 2950973.4/24

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

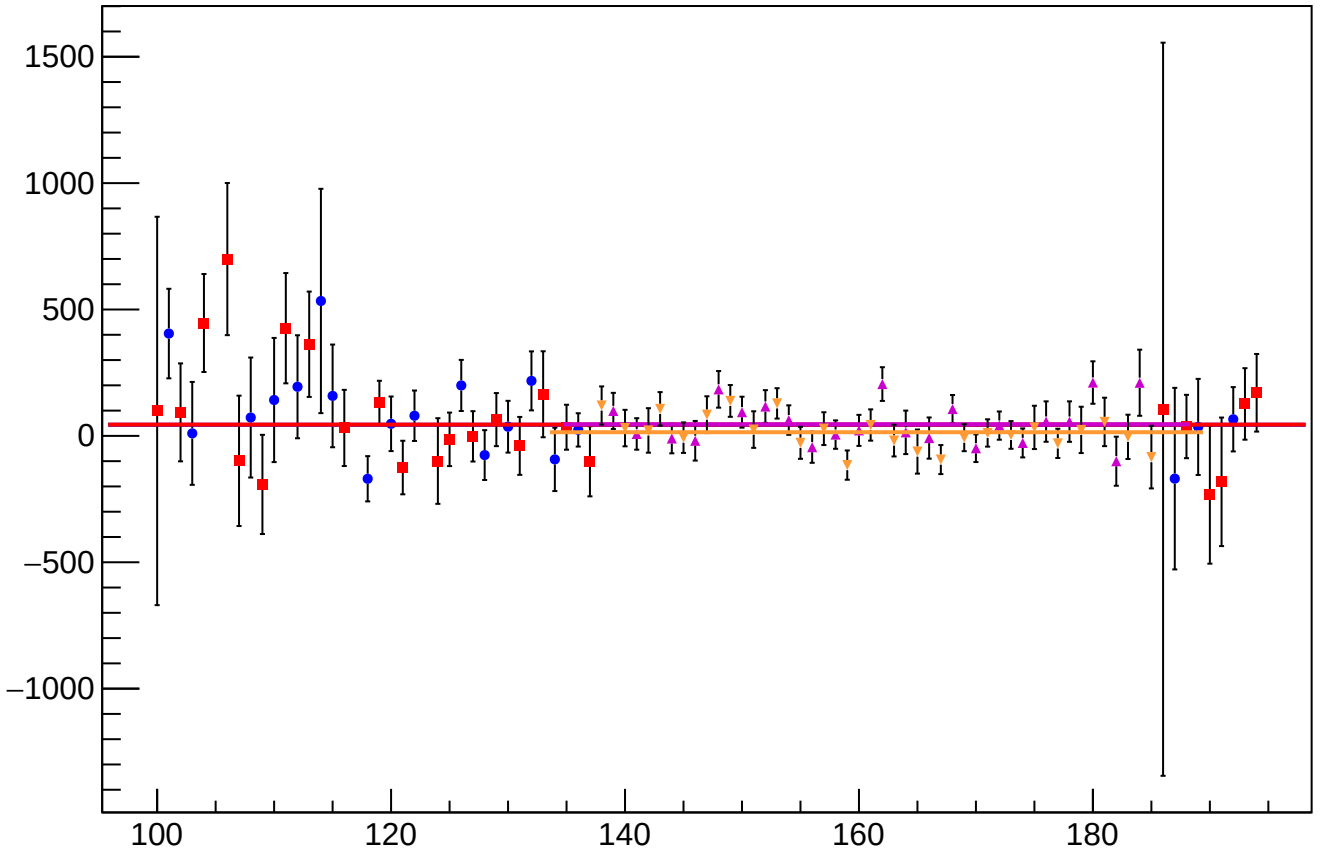
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 672.015+/-0.115 χ^2/NDF: 5525806.8/43

In: 268.291+/-0.040 χ^2/NDF:9422788.4/41

Out: 273.255+/-0.039 χ^2/NDF:12381411.8/49

All: 270.826+/-0.028 χ^2/NDF: 21812006.8/91



Right In: 43.911+/-28.687 χ^2/NDF: 20.0/18

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 44.599+/-28.753 χ^2/NDF: 26.1/24

Left In: 45.805+/-13.931 χ^2/NDF:30.7/22

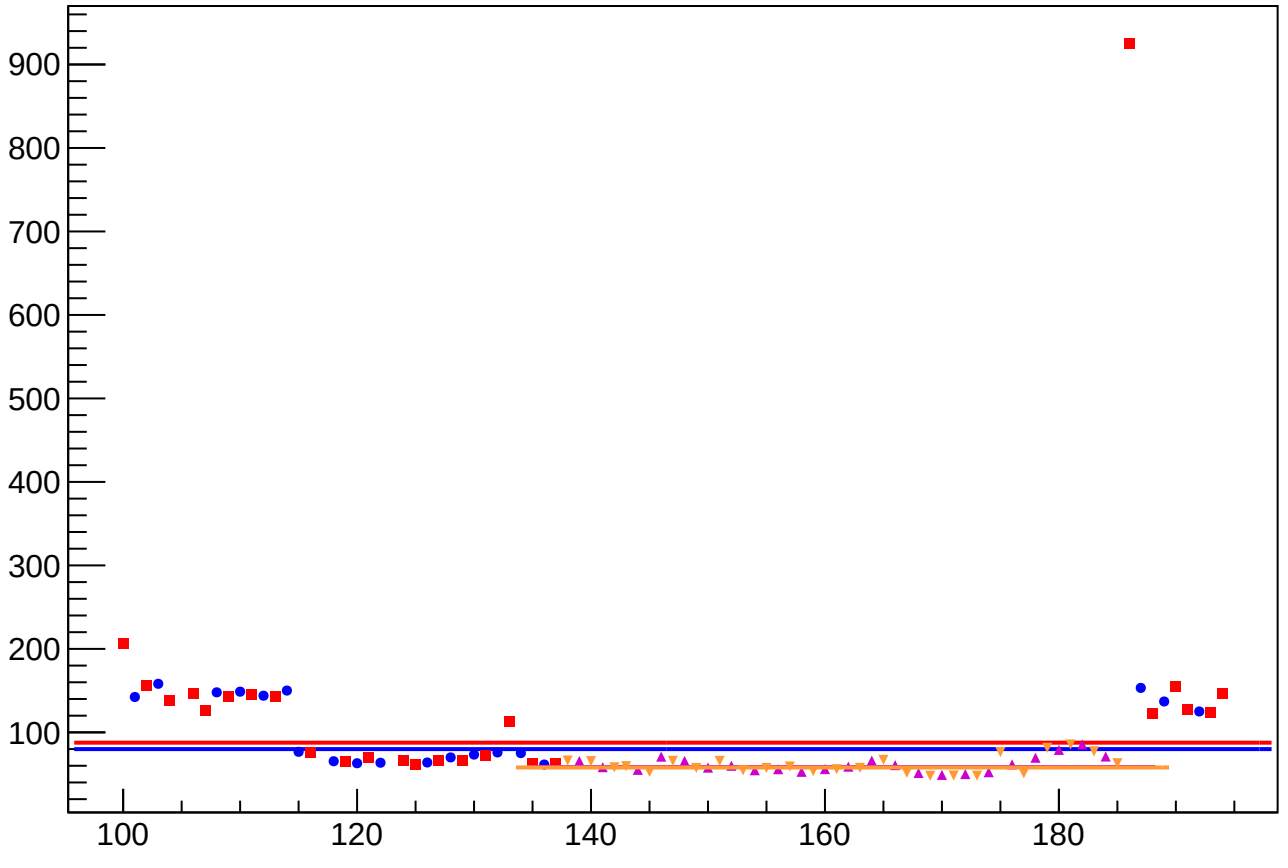
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 44.254+/-20.308 χ^2/NDF: 46.1/43

In: 45.444+/-12.532 χ^2/NDF:50.7/41

Out: 19.905+/-12.186 χ^2/NDF:51.6/49

All: 32.317+/-8.736 χ^2/NDF: 104.4/91



Right In: 79.957+/-0.020 χ^2/NDF: 2023632.2/18

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

Right Out: 87.672+/-0.020 χ^2/NDF: 3234361.0/24

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

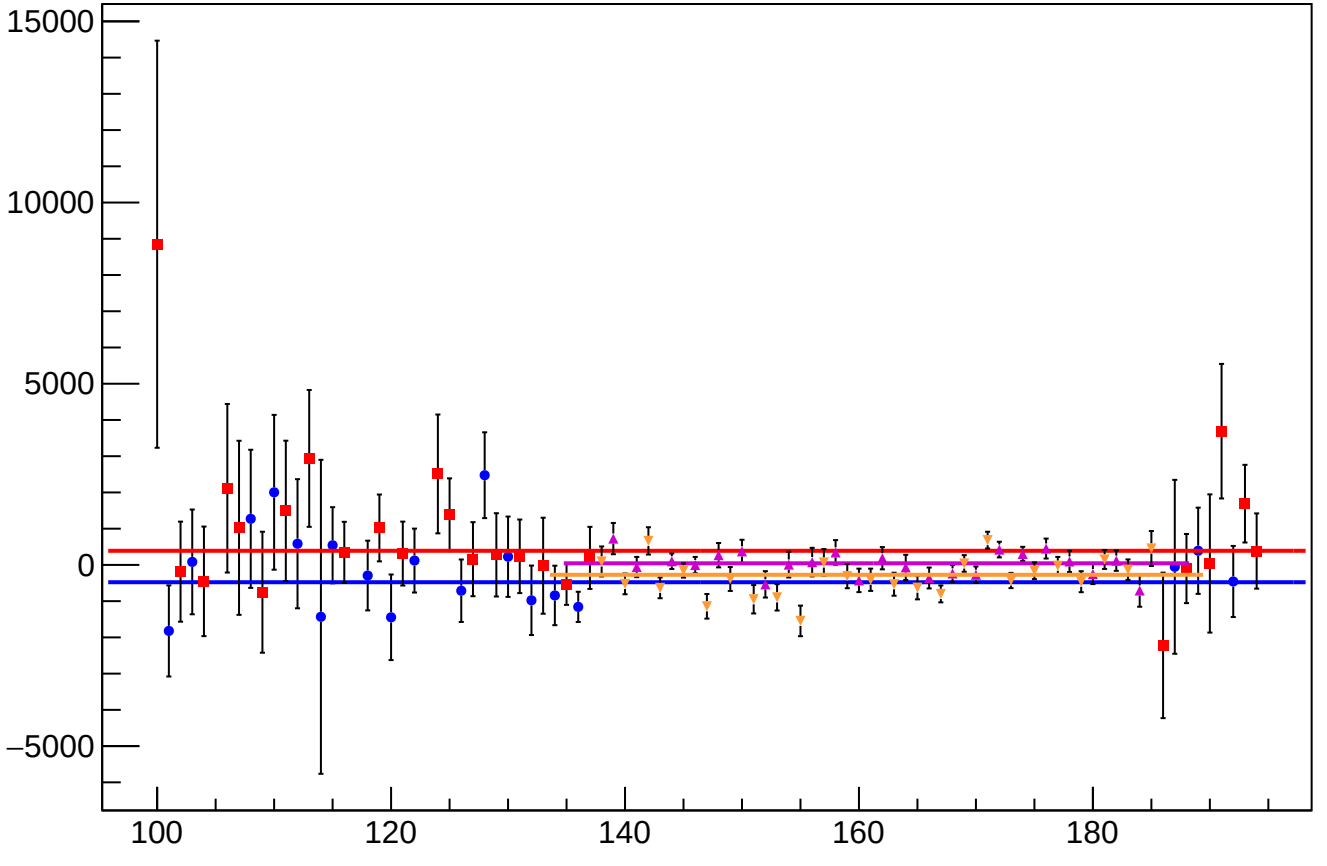
Right: 83.806+/-0.014 χ^2/NDF: 5330166.6/43

In: 62.578+/-0.009 χ^2/NDF:3580678.7/41

Out: 63.302+/-0.009 χ^2/NDF:5882780.9/49

All: 62.950+/-0.006 χ^2/NDF: 9466888.4/91

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -477.938+/-228.865 χ^2/NDF: 16.4/18

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

Right Out: 389.551+/-230.045 χ^2/NDF: 18.6/24

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

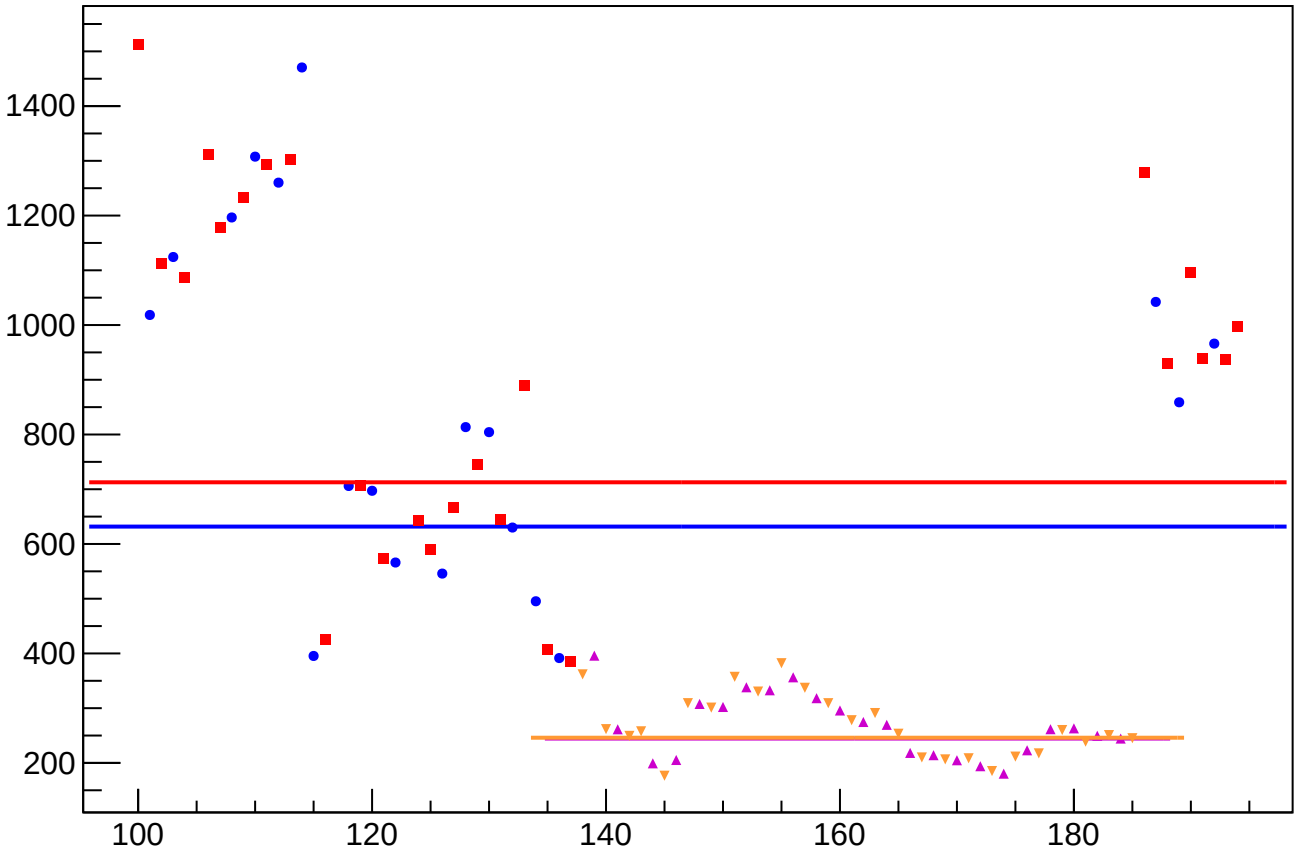
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -46.423+/-162.248 χ^2/NDF: 42.1/43

In: 12.391+/-56.782 χ^2/NDF:47.8/41

Out: -233.870+/-55.577 χ^2/NDF:92.1/49

All: -113.378+/-39.718 χ^2/NDF: 149.5/91



Right In: 631.764+/-0.162 χ^2/NDF: 2450455.9/18

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 712.681+/-0.163 χ^2/NDF: 2950955.4/24

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

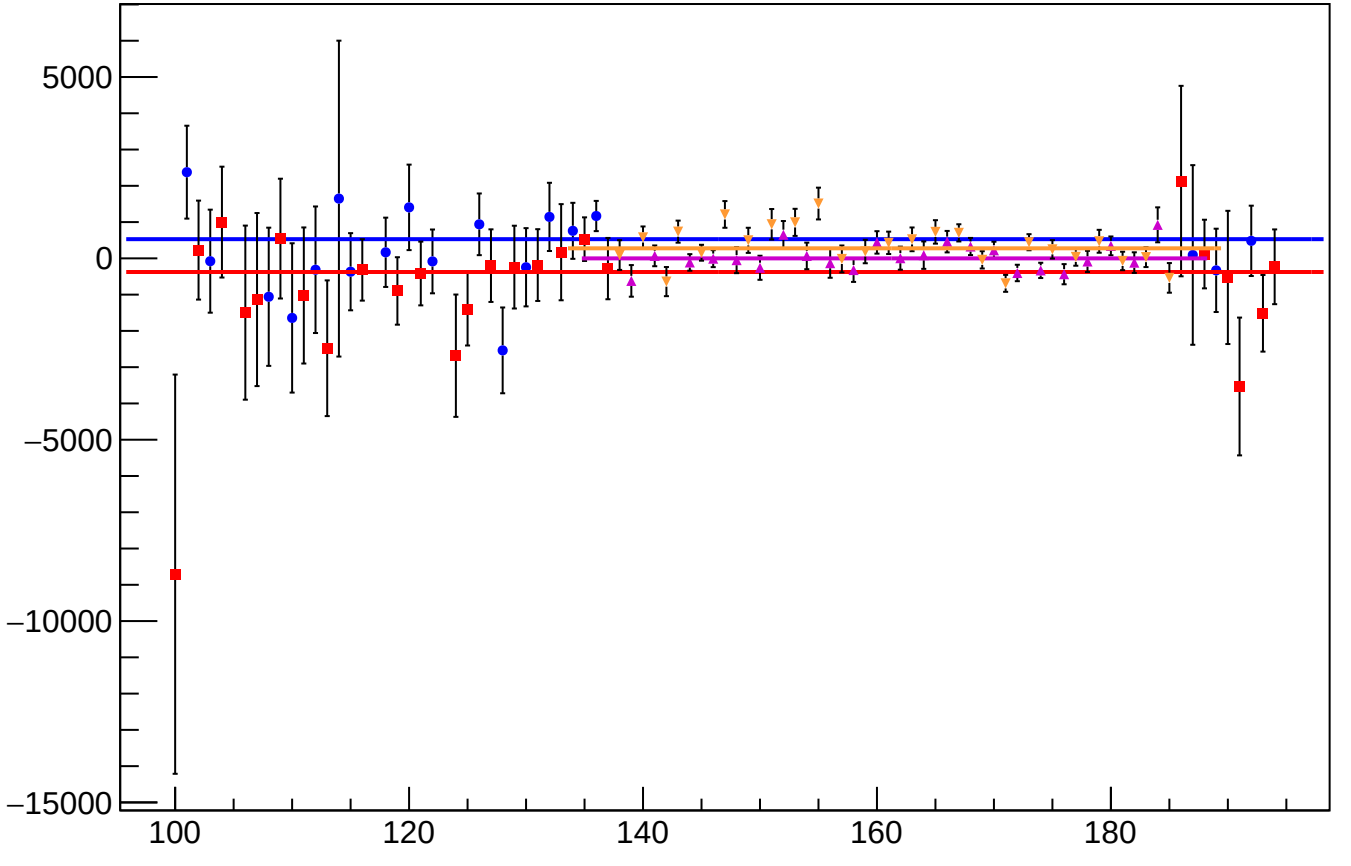
Right: 672.014+/-0.115 χ^2/NDF: 5525771.6/43

In: 268.290+/-0.040 χ^2/NDF:9422767.6/41

Out: 273.254+/-0.039 χ^2/NDF:12381410.1/49

All: 270.825+/-0.028 χ^2/NDF: 21811983.7/91

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 529.301+/-226.438 χ^2/NDF: 17.2/18

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: -376.046+/-231.442 χ^2/NDF: 16.2/24

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

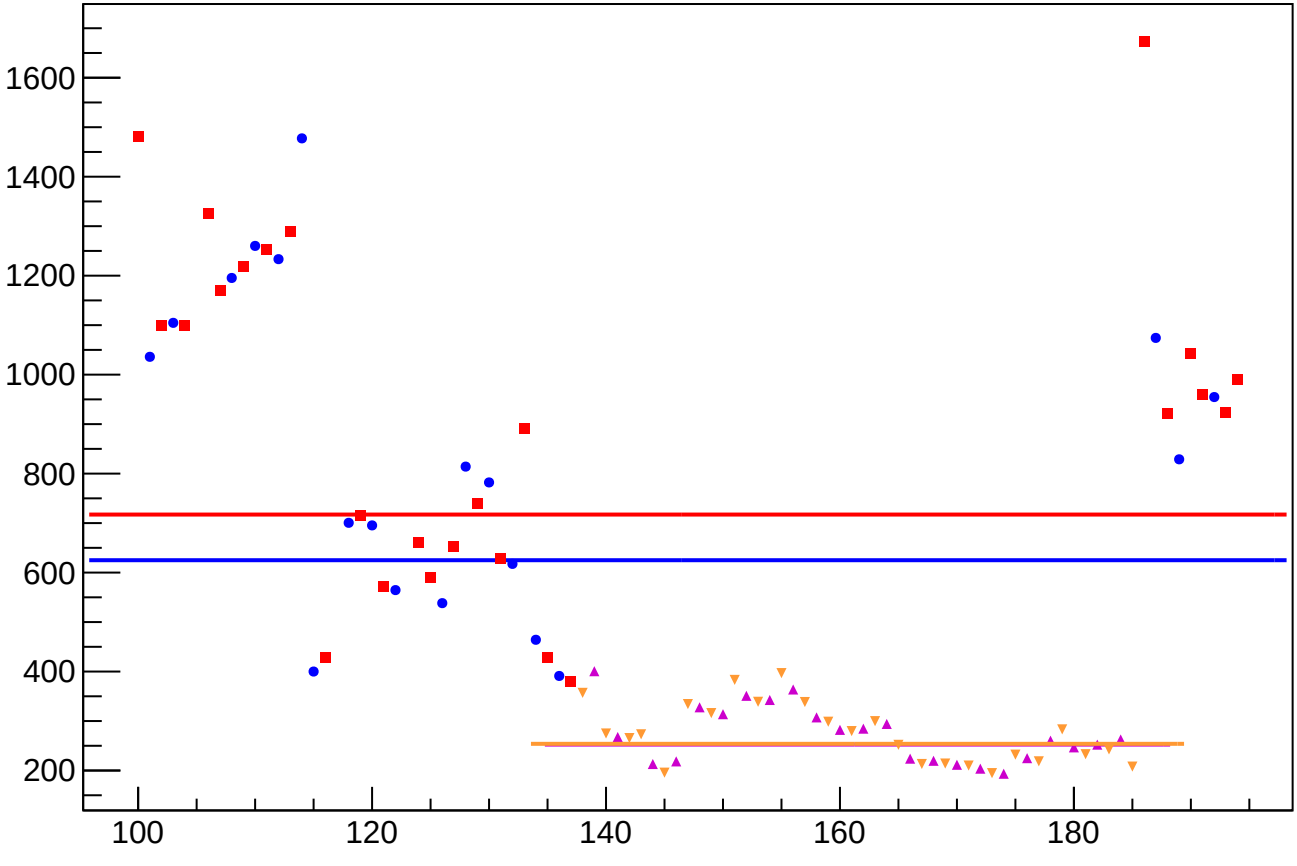
Right: 86.519+/-161.856 χ^2/NDF: 41.2/43

In: 34.592+/-58.320 χ^2/NDF:50.4/41

Out: 237.034+/-57.307 χ^2/NDF:87.8/49

All: 137.587+/-40.876 χ^2/NDF: 144.3/91

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 624.996+/-0.160 χ^2/NDF: 2433986.4/18

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

Right Out: 717.252+/-0.164 χ^2/NDF: 2885274.6/24

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

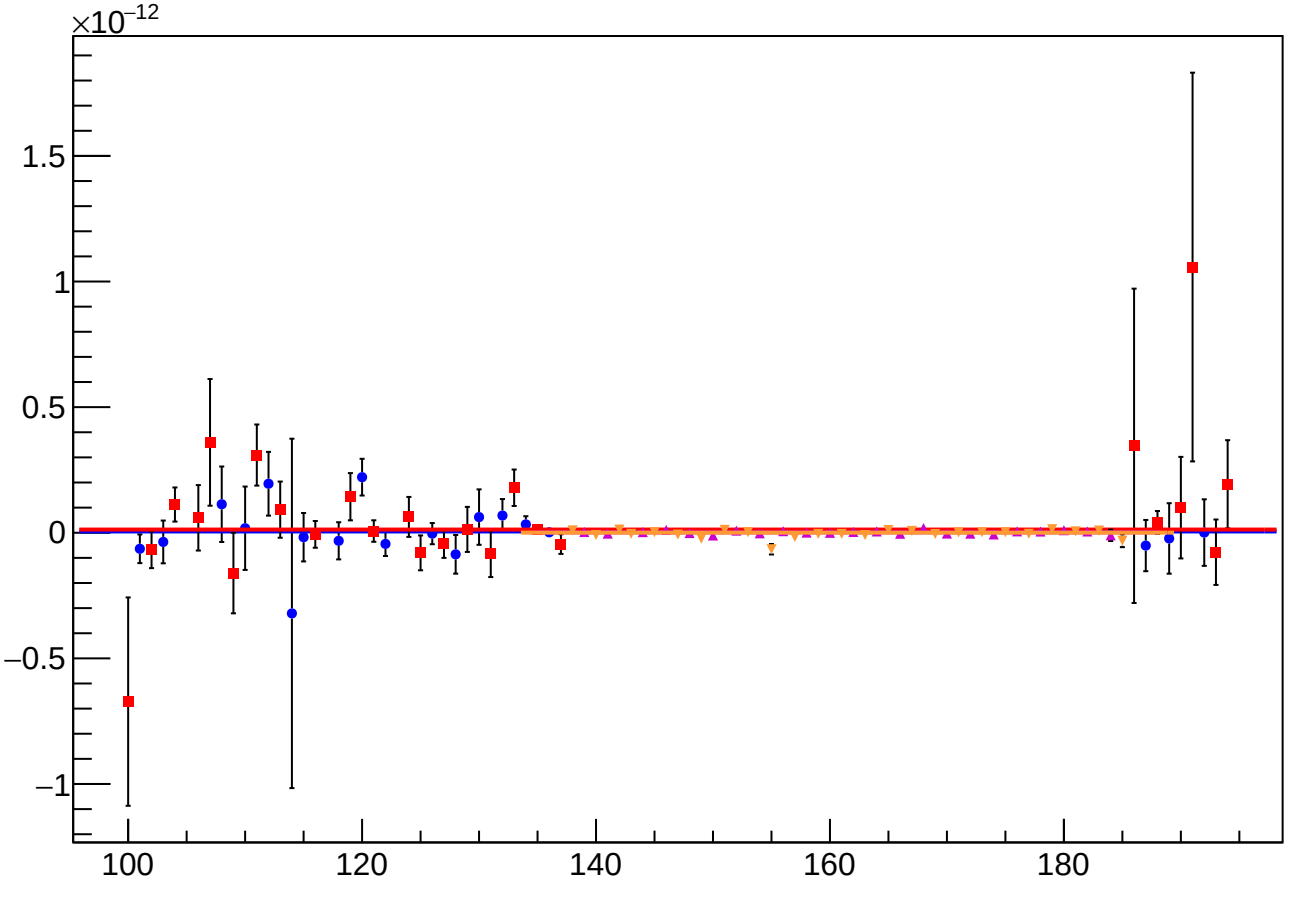
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 670.116+/-0.114 χ^2/NDF: 5481628.3/43

In: 277.106+/-0.041 χ^2/NDF:8902316.2/41

Out: 282.358+/-0.041 χ^2/NDF:11999054.1/49

All: 279.778+/-0.029 χ^2/NDF: 20909621.2/91



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.7/24

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

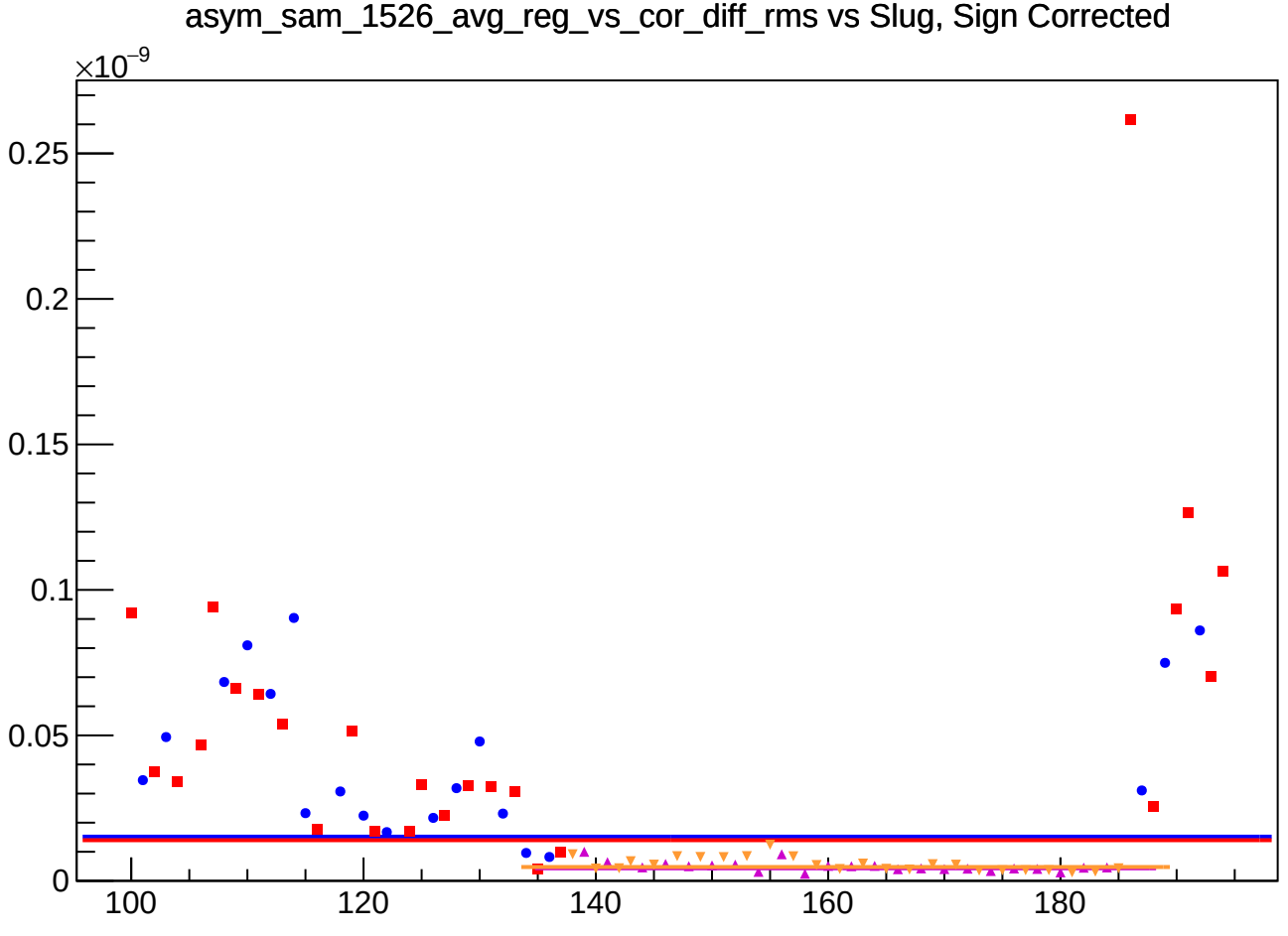
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 52.6/43

In: 0.000+/-0.000 χ^2/NDF:32.7/41

Out: 0.000+/-0.000 χ^2/NDF:62.0/49

All: 0.000+/-0.000 χ^2/NDF: 94.8/91



Right In: 0.000+/-0.000 χ^2/NDF: 3493973.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5245080.1/24

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

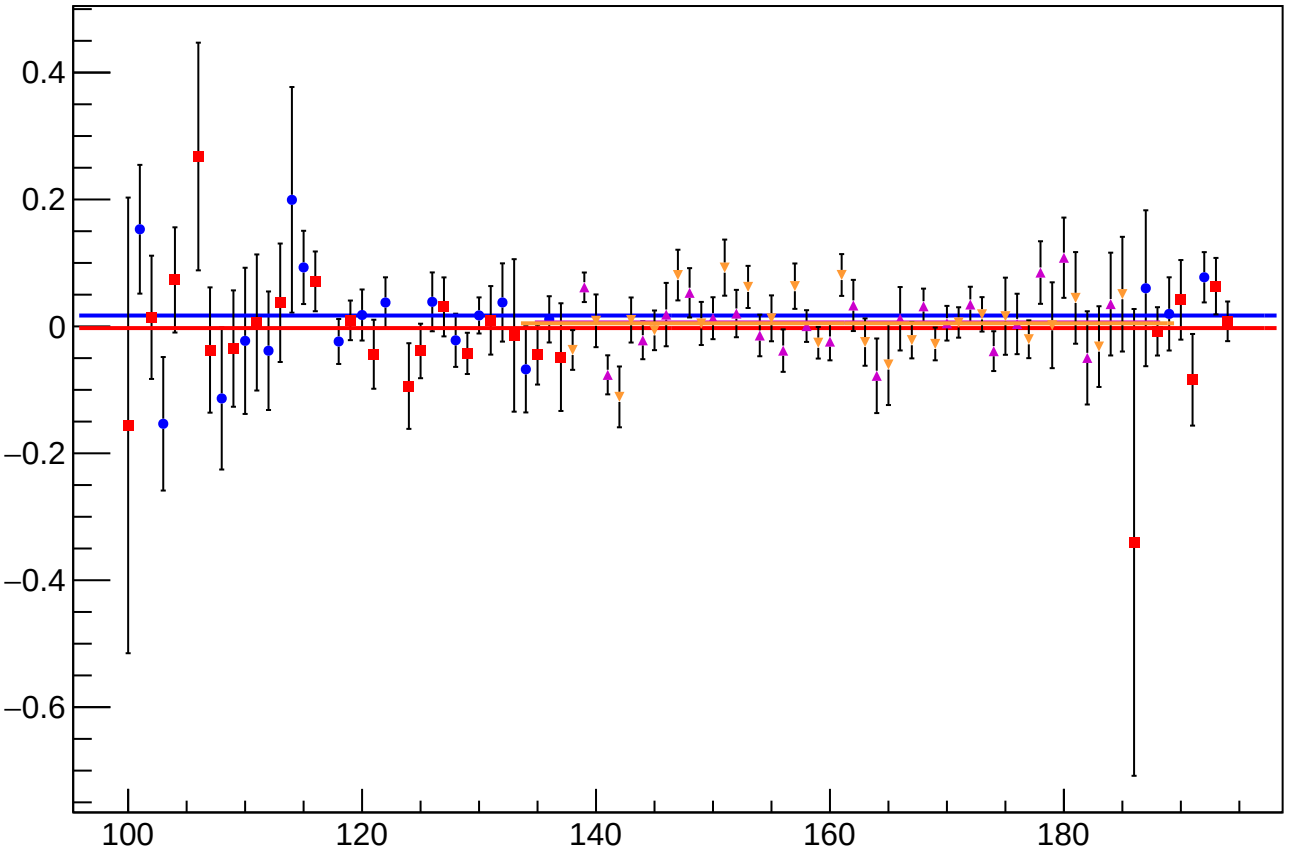
Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

Right: 0.000+/-0.000 χ^2/NDF: 8752991.0/43

In: 0.000+/-0.000 χ^2/NDF:6593554.8/41

Out: 0.000+/-0.000 χ^2/NDF:8434325.4/49

All: 0.000+/-0.000 χ^2/NDF: 15078010.6/91



Right In: 0.017+/-0.012 χ^2/NDF: 15.9/18

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.003+/-0.011 χ^2/NDF: 17.6/24

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

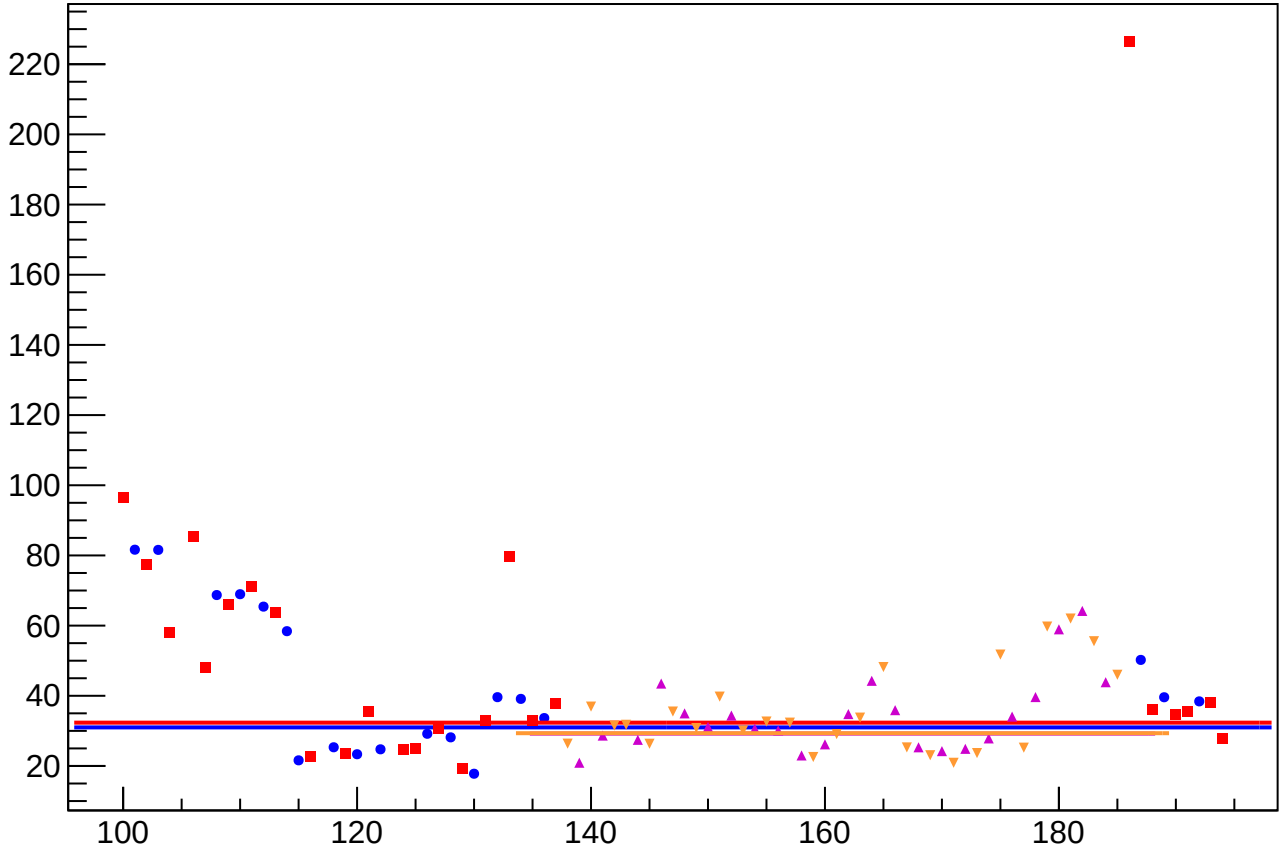
Right: 0.007+/-0.008 χ^2/NDF: 35.0/43

In: 0.009+/-0.006 χ^2/NDF:47.5/41

Out: 0.003+/-0.006 χ^2/NDF:51.9/49

All: 0.006+/-0.004 χ^2/NDF: 99.9/91

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.988+/-0.008 χ^2/NDF: 2635271.9/18

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 32.344+/-0.008 χ^2/NDF: 3314738.8/24

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

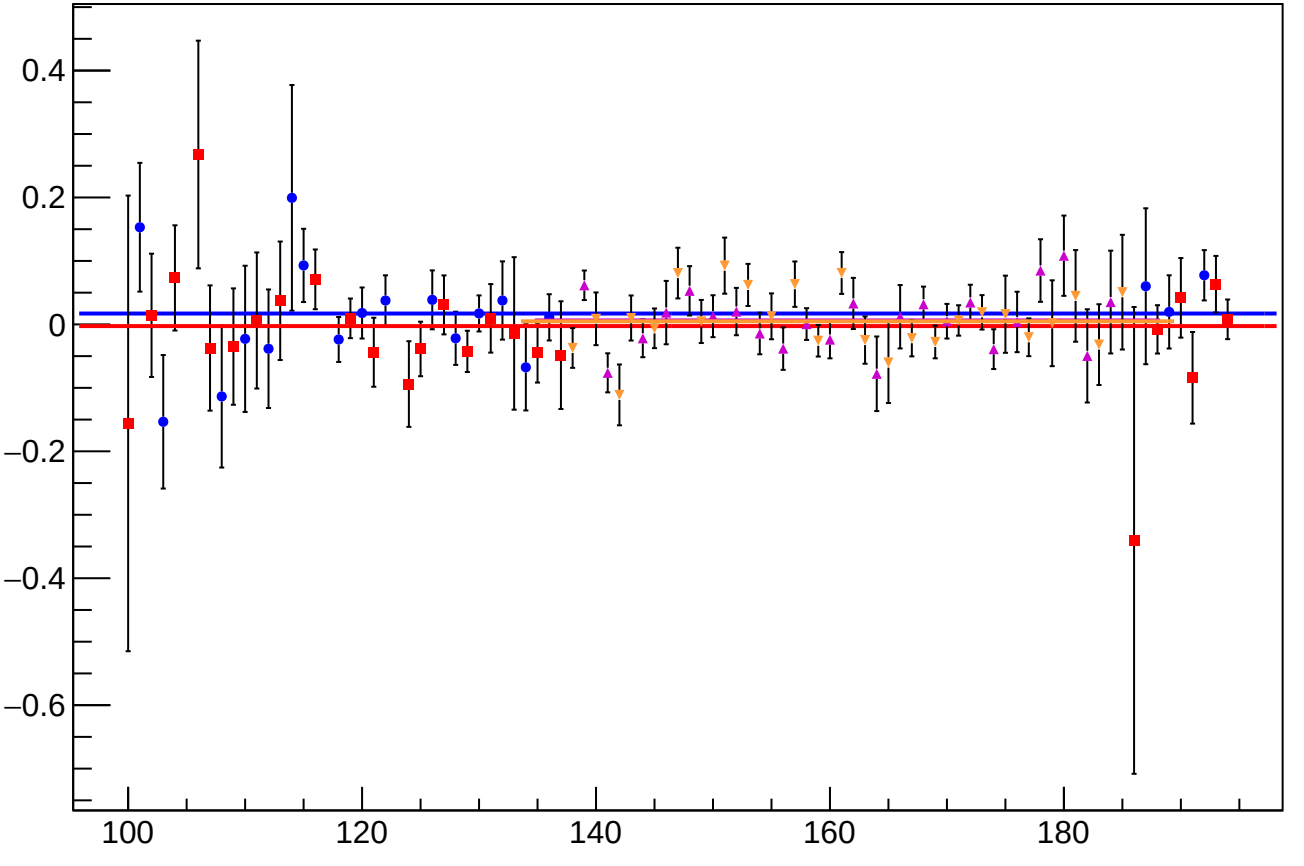
Right: 31.710+/-0.006 χ^2/NDF: 5964394.1/43

In: 29.718+/-0.004 χ^2/NDF:4765795.1/41

Out: 30.231+/-0.004 χ^2/NDF:6108295.1/49

All: 29.983+/-0.003 χ^2/NDF: 10881250.7/91

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.012 χ^2/NDF: 15.9/18

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.003+/-0.011 χ^2/NDF: 17.6/24

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

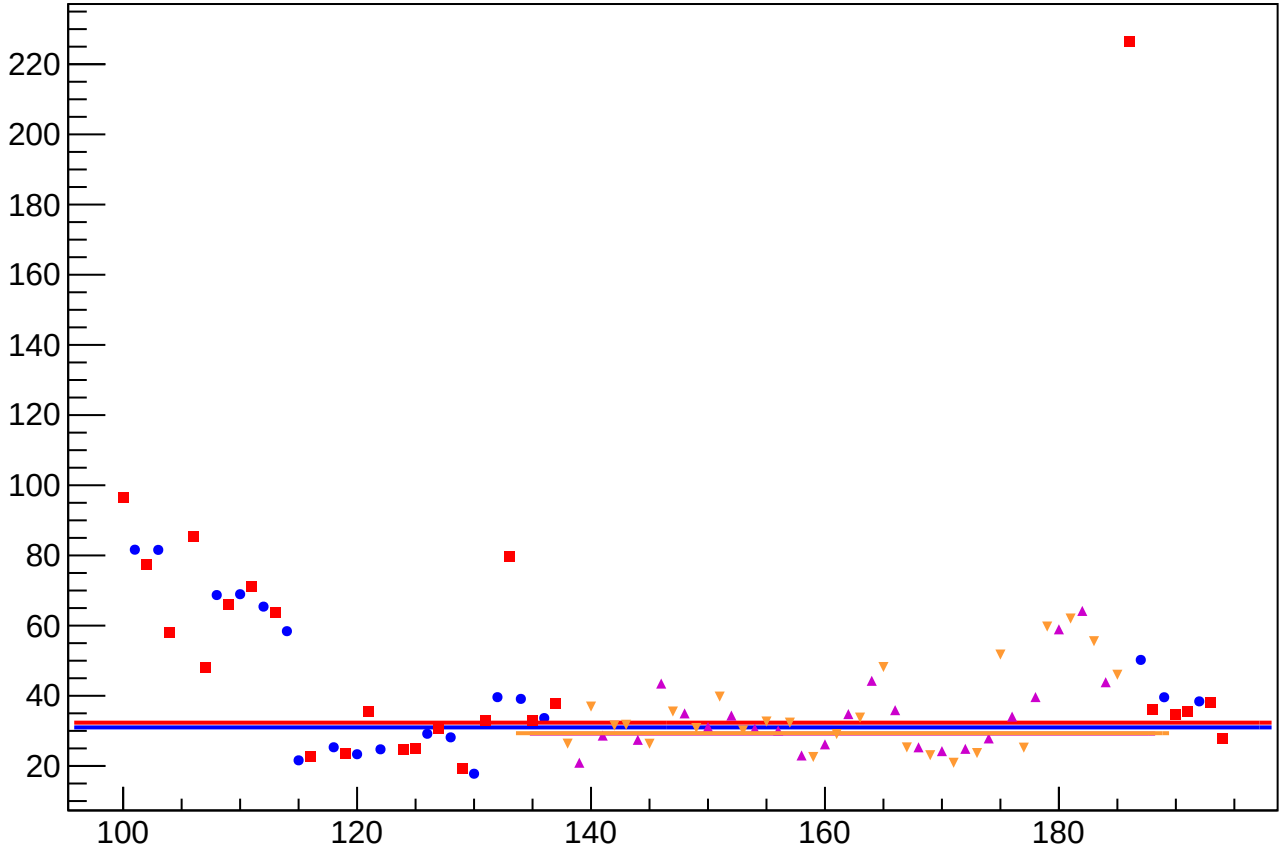
Right: 0.007+/-0.008 χ^2/NDF: 35.0/43

In: 0.009+/-0.006 χ^2/NDF:47.5/41

Out: 0.003+/-0.006 χ^2/NDF:51.9/49

All: 0.006+/-0.004 χ^2/NDF: 99.9/91

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.988+/-0.008 χ^2/NDF: 2635271.9/18

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 32.344+/-0.008 χ^2/NDF: 3314738.8/24

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

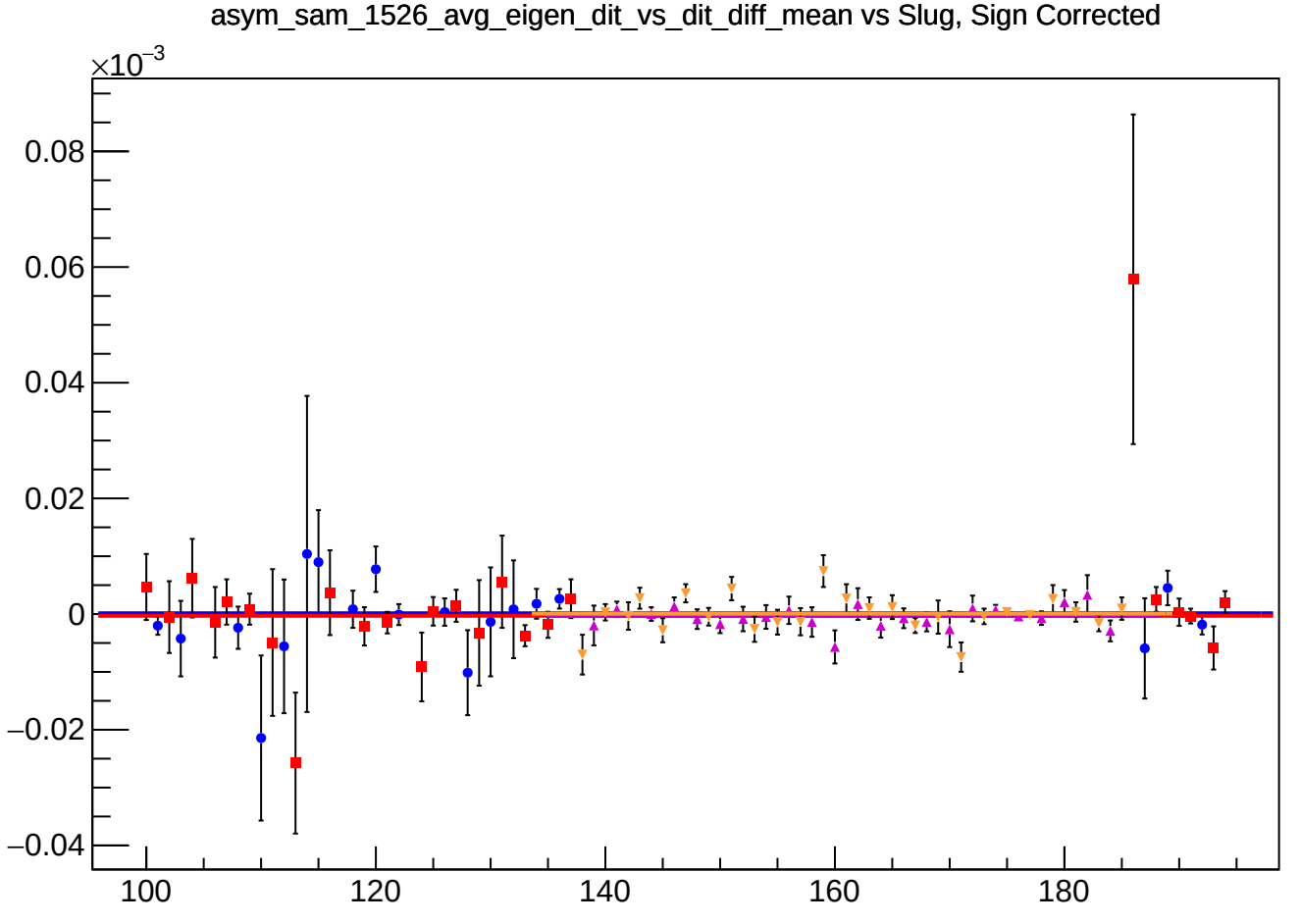
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 31.710+/-0.006 χ^2/NDF: 5964394.1/43

In: 29.718+/-0.004 χ^2/NDF:4765795.1/41

Out: 30.231+/-0.004 χ^2/NDF:6108295.1/49

All: 29.983+/-0.003 χ^2/NDF: 10881250.7/91



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/24

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

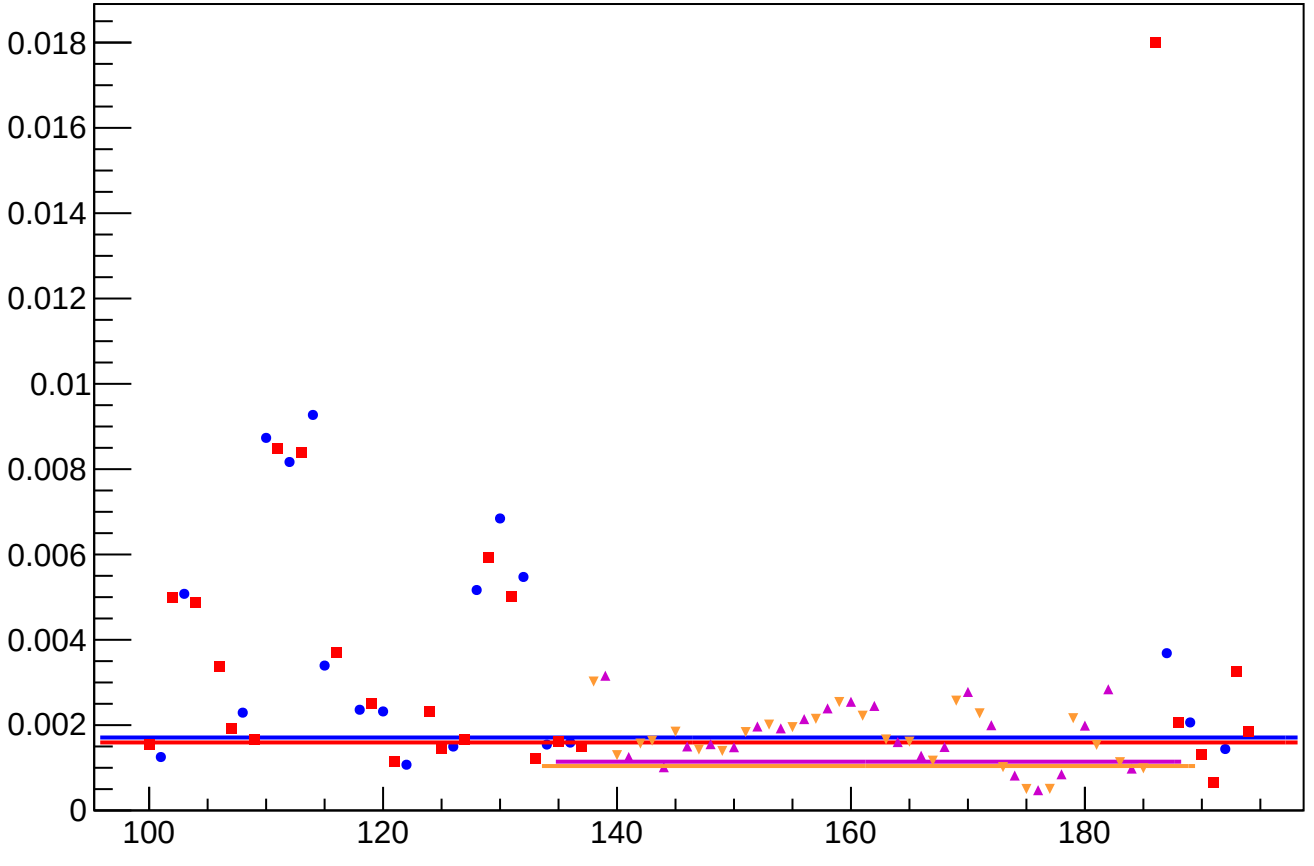
Right: -0.000+/-0.000 χ^2/NDF: 44.6/43

In: -0.000+/-0.000 χ^2/NDF:34.7/41

Out: 0.000+/-0.000 χ^2/NDF:69.6/49

All: -0.000+/-0.000 χ^2/NDF: 104.7/91

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4115826.8/18

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6165372.6/24

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

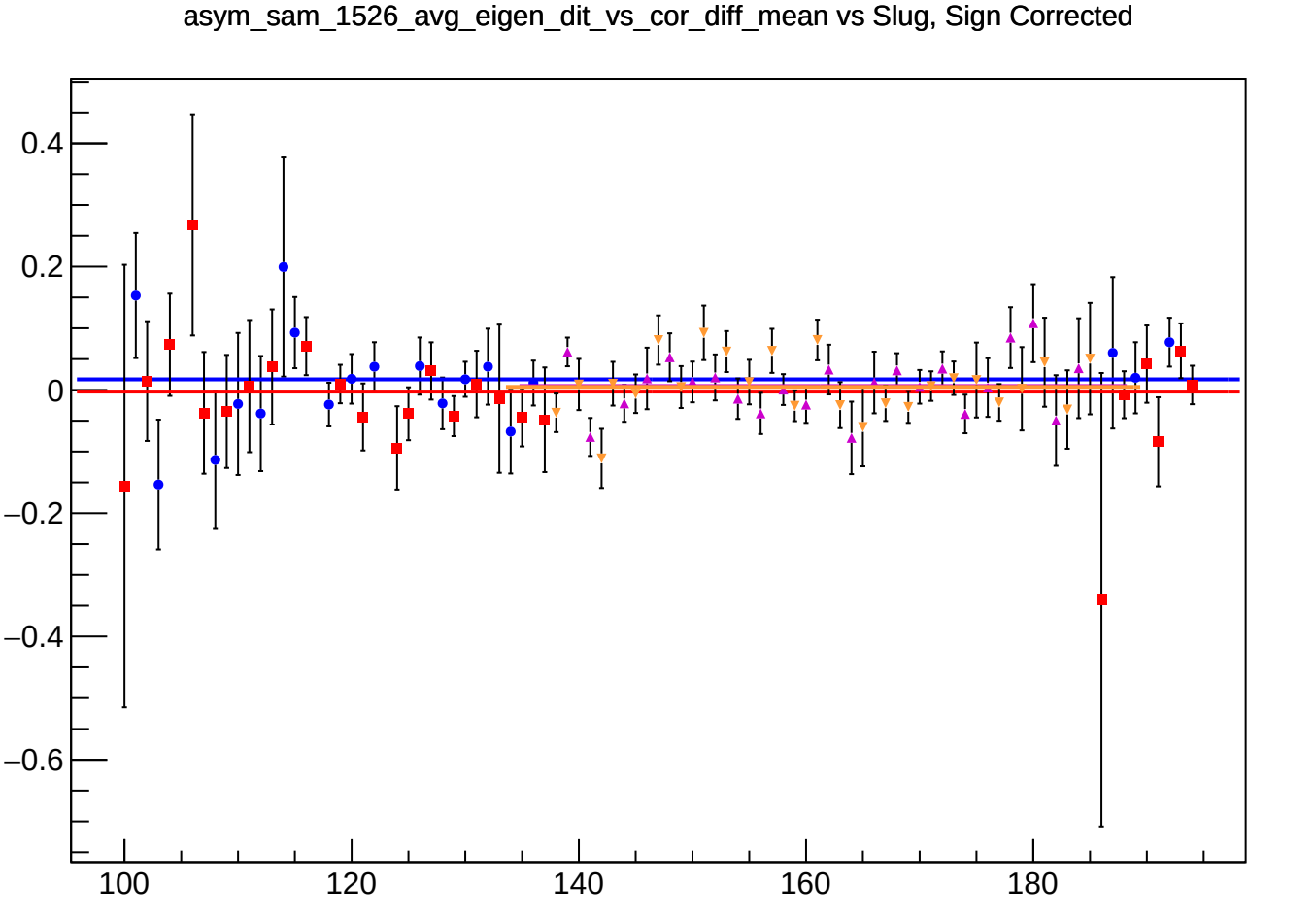
Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

Right: 0.002+/-0.000 χ^2/NDF: 10315453.0/43

In: 0.001+/-0.000 χ^2/NDF:13571799.3/41

Out: 0.001+/-0.000 χ^2/NDF:17479085.2/49

All: 0.001+/-0.000 χ^2/NDF: 31181422.3/91



Right In: 0.017+/-0.012 χ^2/NDF: 15.9/18

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.003+/-0.011 χ^2/NDF: 17.6/24

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

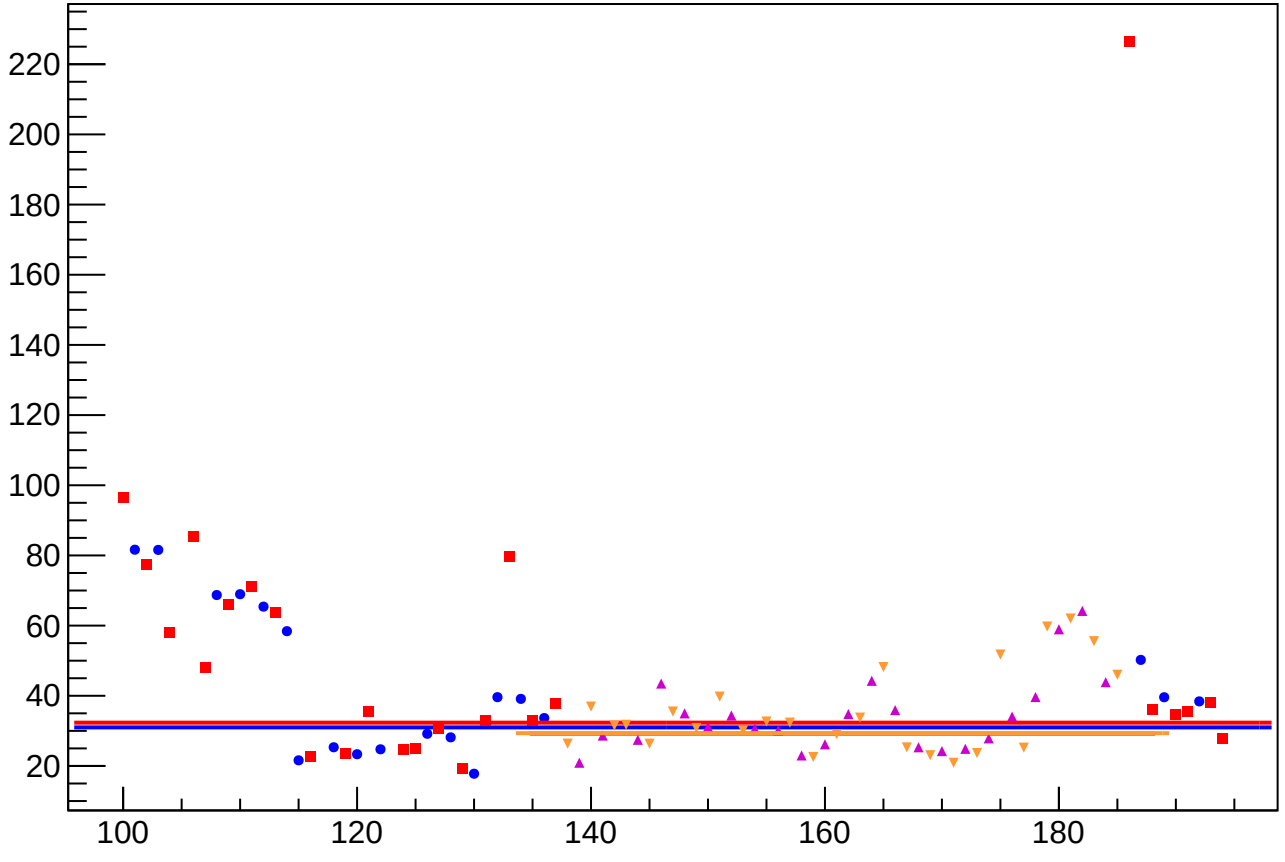
Right: 0.007+/-0.008 χ^2/NDF: 35.0/43

In: 0.009+/-0.006 χ^2/NDF:47.5/41

Out: 0.003+/-0.006 χ^2/NDF:51.9/49

All: 0.006+/-0.004 χ^2/NDF: 100.0/91

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.987+/-0.008 χ^2/NDF: 2635527.0/18

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 32.343+/-0.008 χ^2/NDF: 3314913.9/24

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

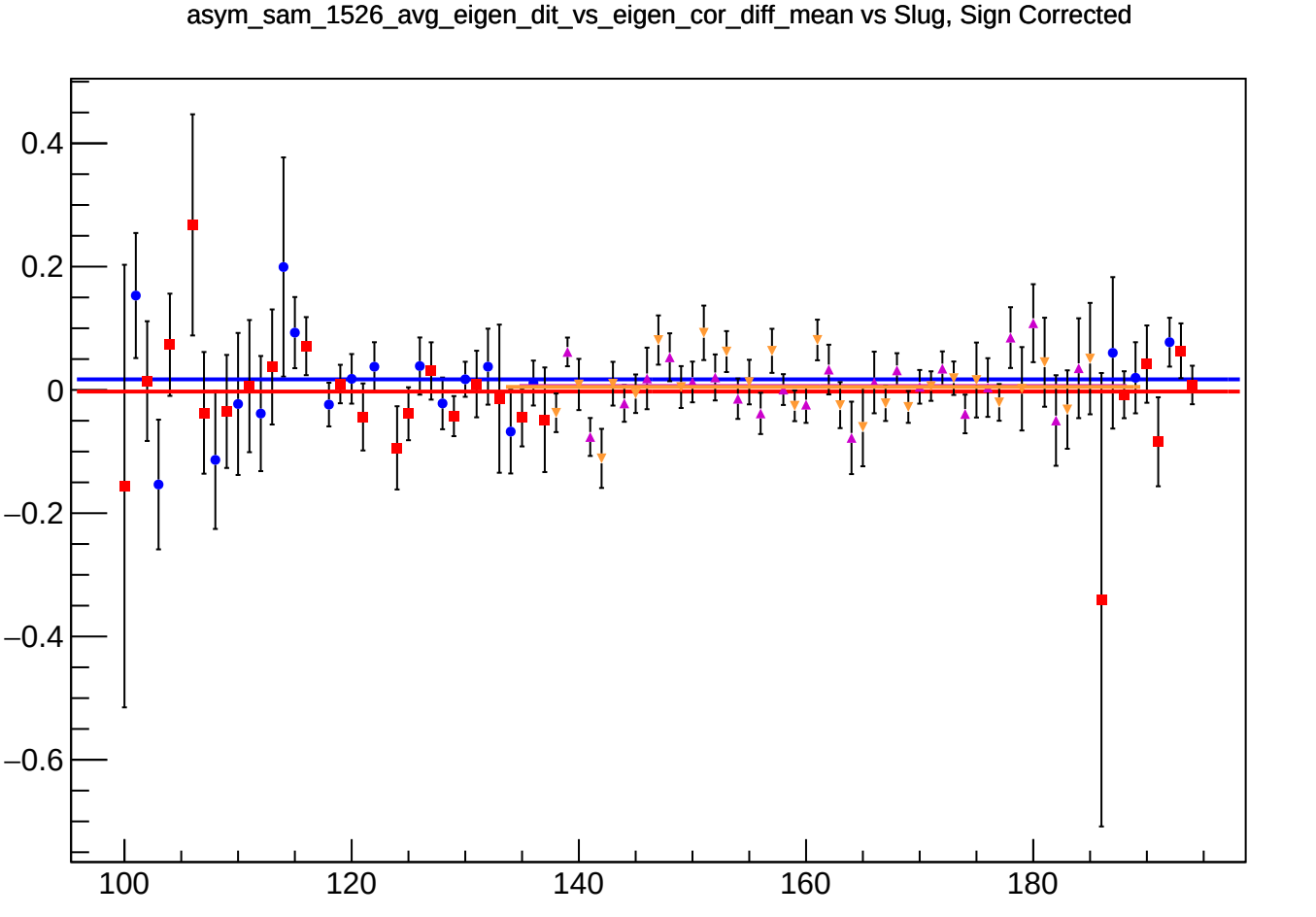
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 31.709+/-0.006 χ^2/NDF: 5964831.5/43

In: 29.718+/-0.004 χ^2/NDF:4765957.1/41

Out: 30.231+/-0.004 χ^2/NDF:6108441.2/49

All: 29.983+/-0.003 χ^2/NDF: 10881556.5/91



Right In: 0.017+/-0.012 χ^2/NDF: 15.9/18

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.003+/-0.011 χ^2/NDF: 17.6/24

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

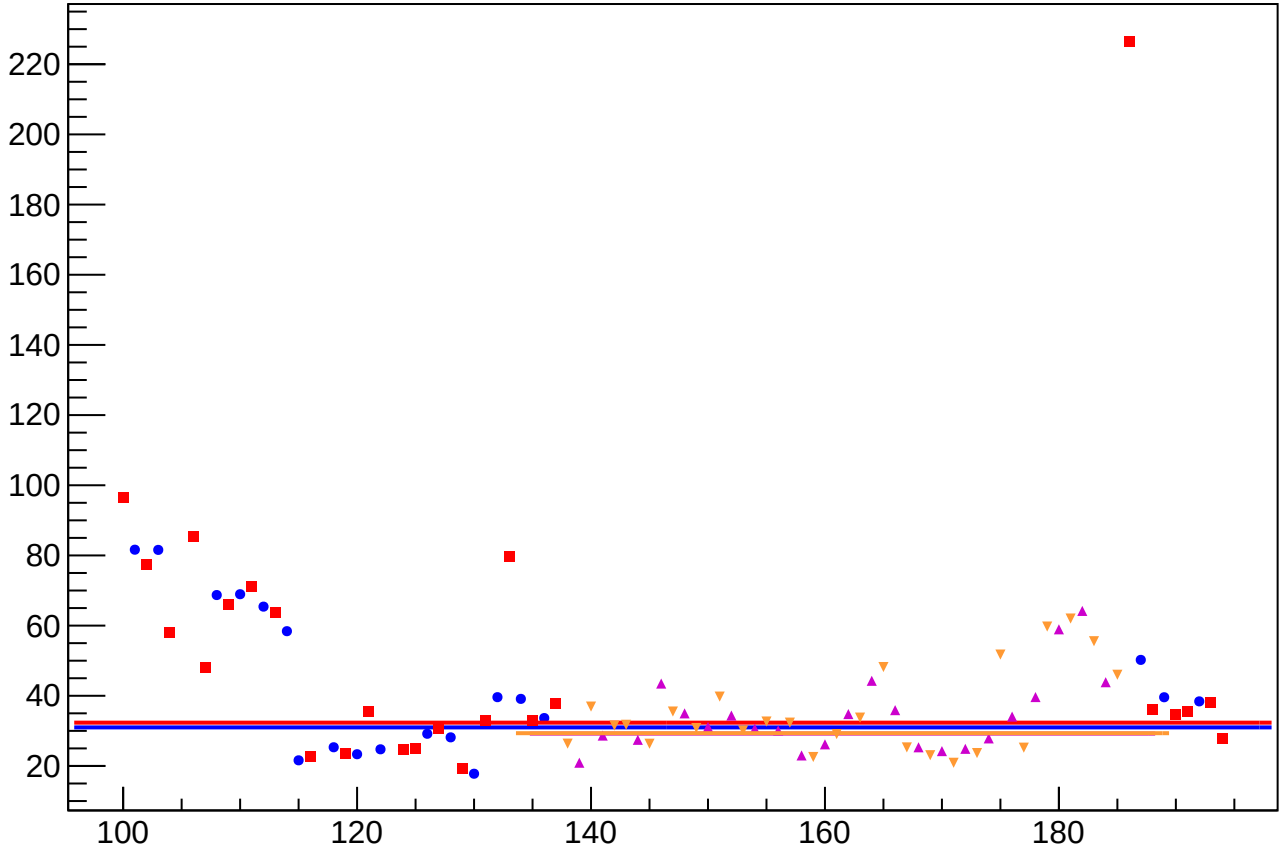
Right: 0.007+/-0.008 χ^2/NDF: 35.0/43

In: 0.009+/-0.006 χ^2/NDF:47.5/41

Out: 0.003+/-0.006 χ^2/NDF:51.9/49

All: 0.006+/-0.004 χ^2/NDF: 100.0/91

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.987+/-0.008 χ^2/NDF: 2635527.0/18

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 32.343+/-0.008 χ^2/NDF: 3314913.9/24

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

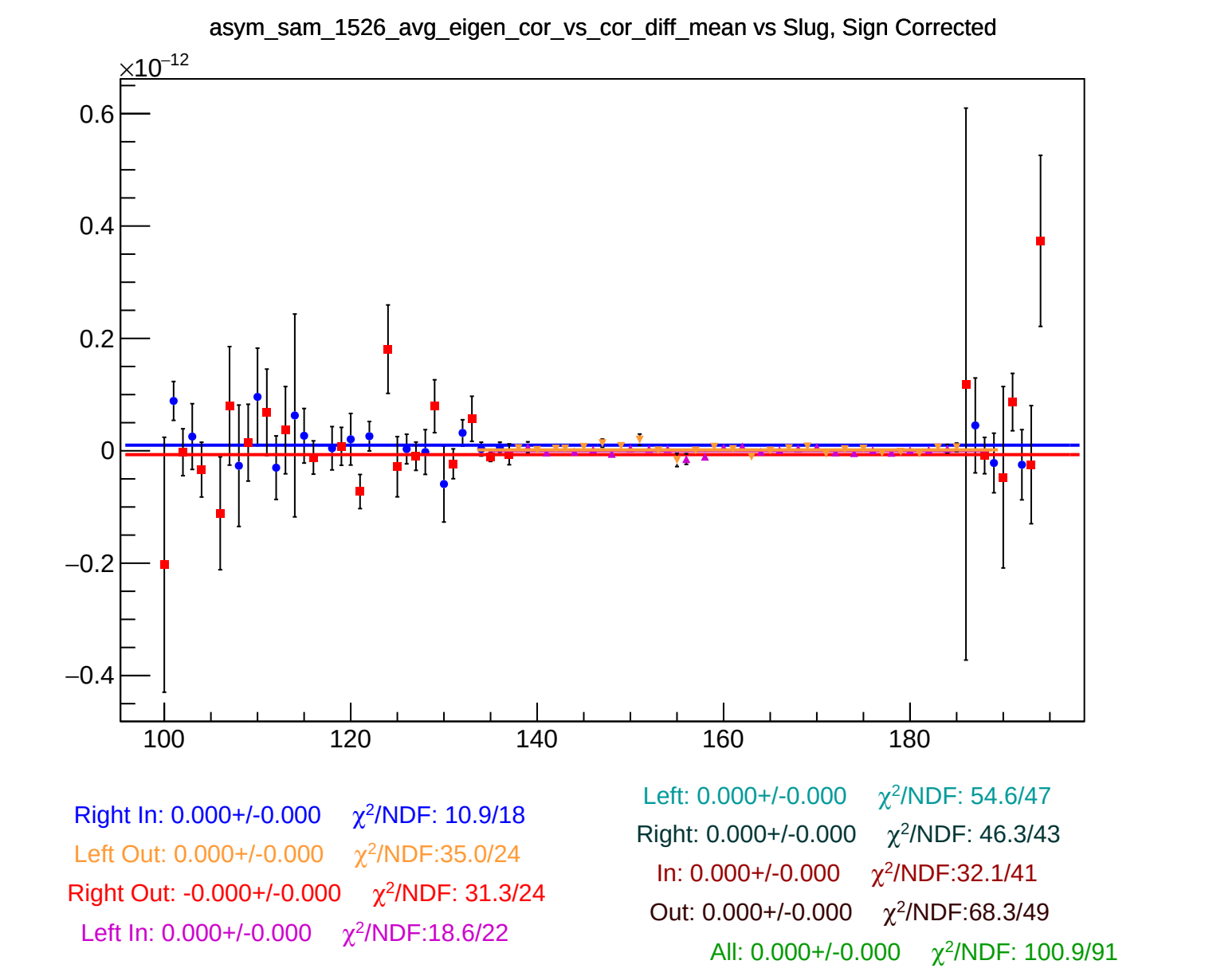
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 31.709+/-0.006 χ^2/NDF: 5964831.5/43

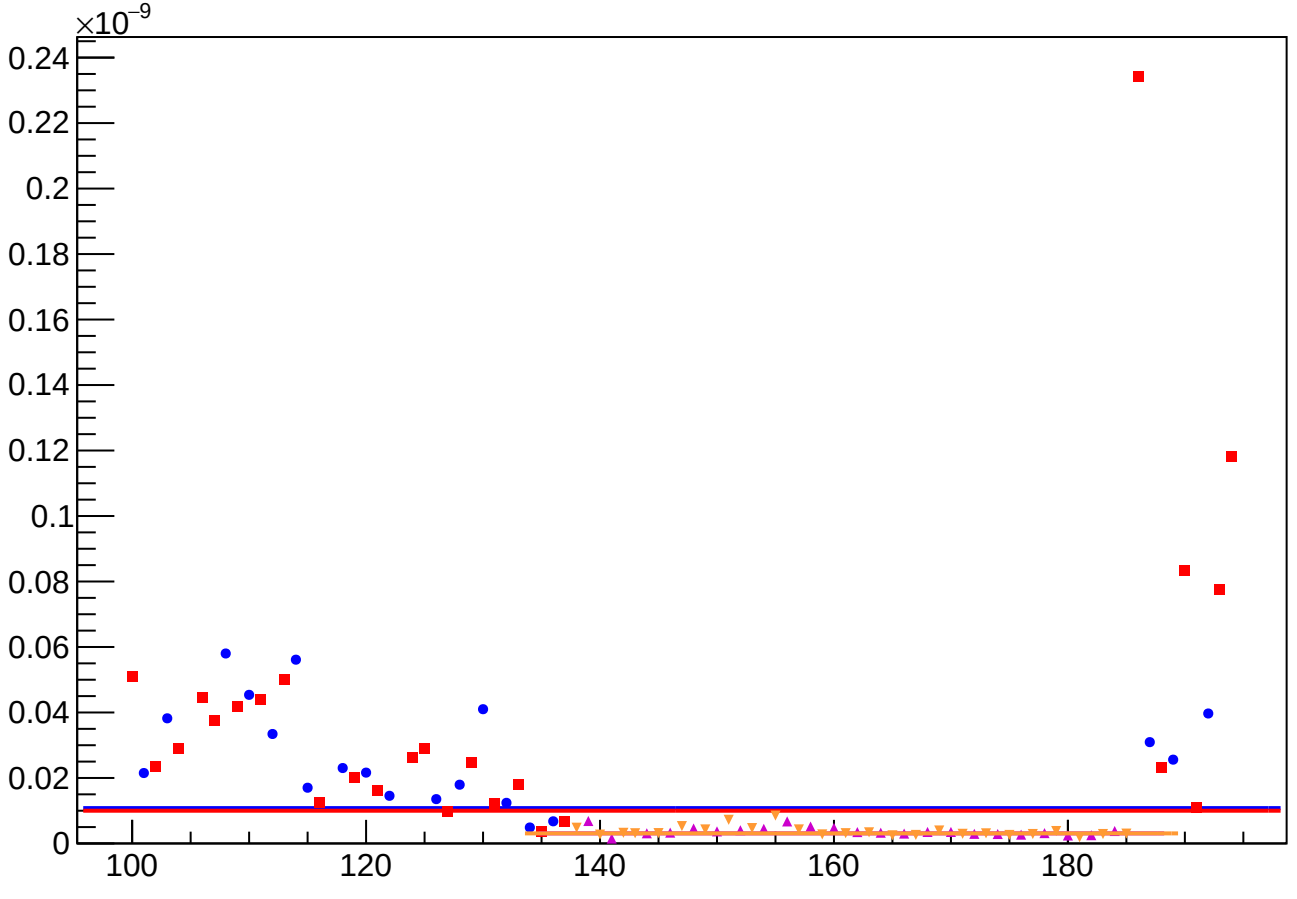
In: 29.718+/-0.004 χ^2/NDF:4765957.1/41

Out: 30.231+/-0.004 χ^2/NDF:6108441.2/49

All: 29.983+/-0.003 χ^2/NDF: 10881556.5/91


asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 10.9/18
Left Out: 0.000+/-0.000 χ²/NDF:35.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 31.3/24
Left In: 0.000+/-0.000 χ²/NDF:18.6/22
Left: 0.000+/-0.000 χ²/NDF: 54.6/47
Right: 0.000+/-0.000 χ²/NDF: 46.3/43
In: 0.000+/-0.000 χ²/NDF:32.1/41
Out: 0.000+/-0.000 χ²/NDF:68.3/49
All: 0.000+/-0.000 χ²/NDF: 100.9/91

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4226437.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7561185.7/24

Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

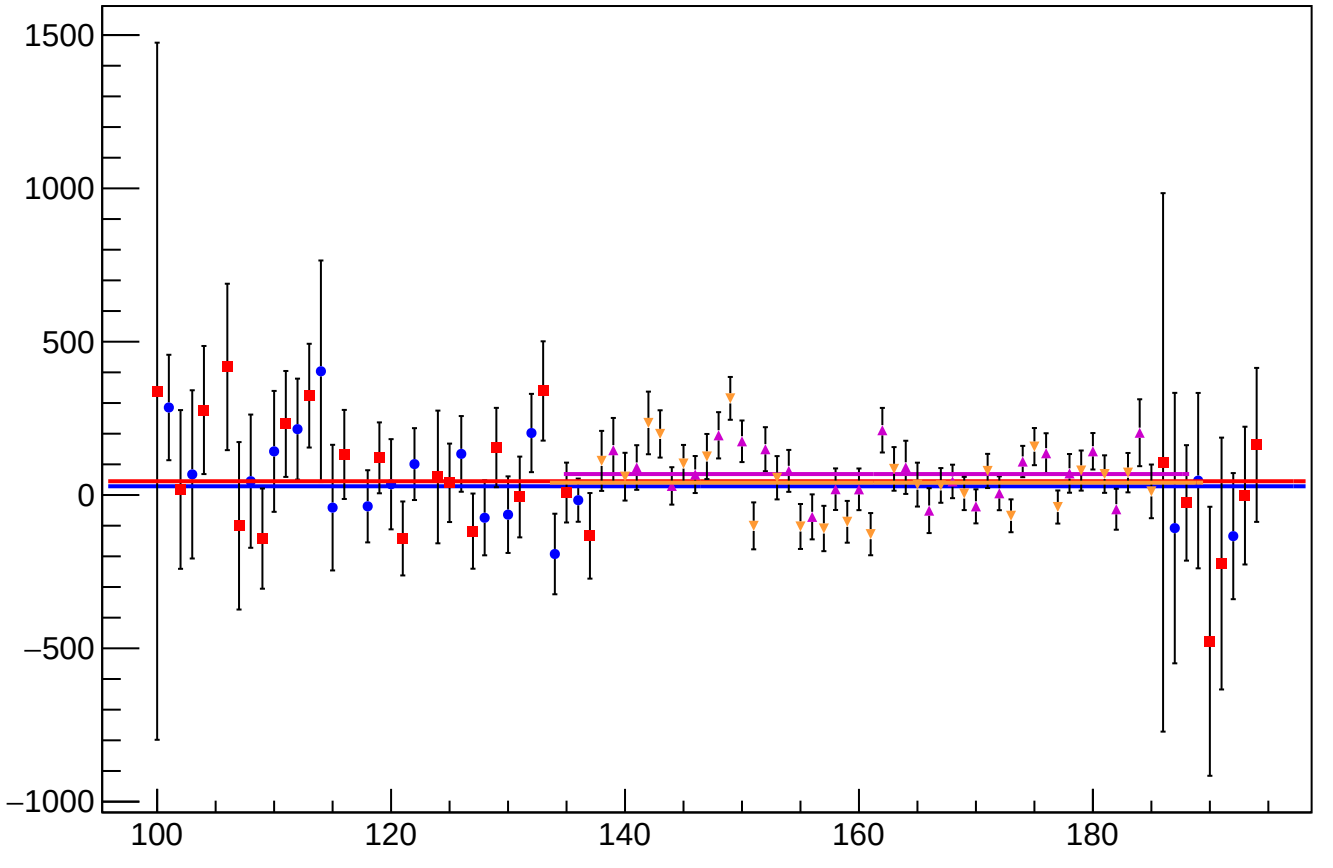
Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

Right: 0.000+/-0.000 χ^2/NDF: 11806157.6/43

In: 0.000+/-0.000 χ^2/NDF:9691063.9/41

Out: 0.000+/-0.000 χ^2/NDF:12392754.7/49

All: 0.000+/-0.000 χ^2/NDF: 22084555.0/91



Right In: 28.472+/-33.110 χ^2/NDF: 13.6/18

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: 44.940+/-33.340 χ^2/NDF: 21.8/24

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

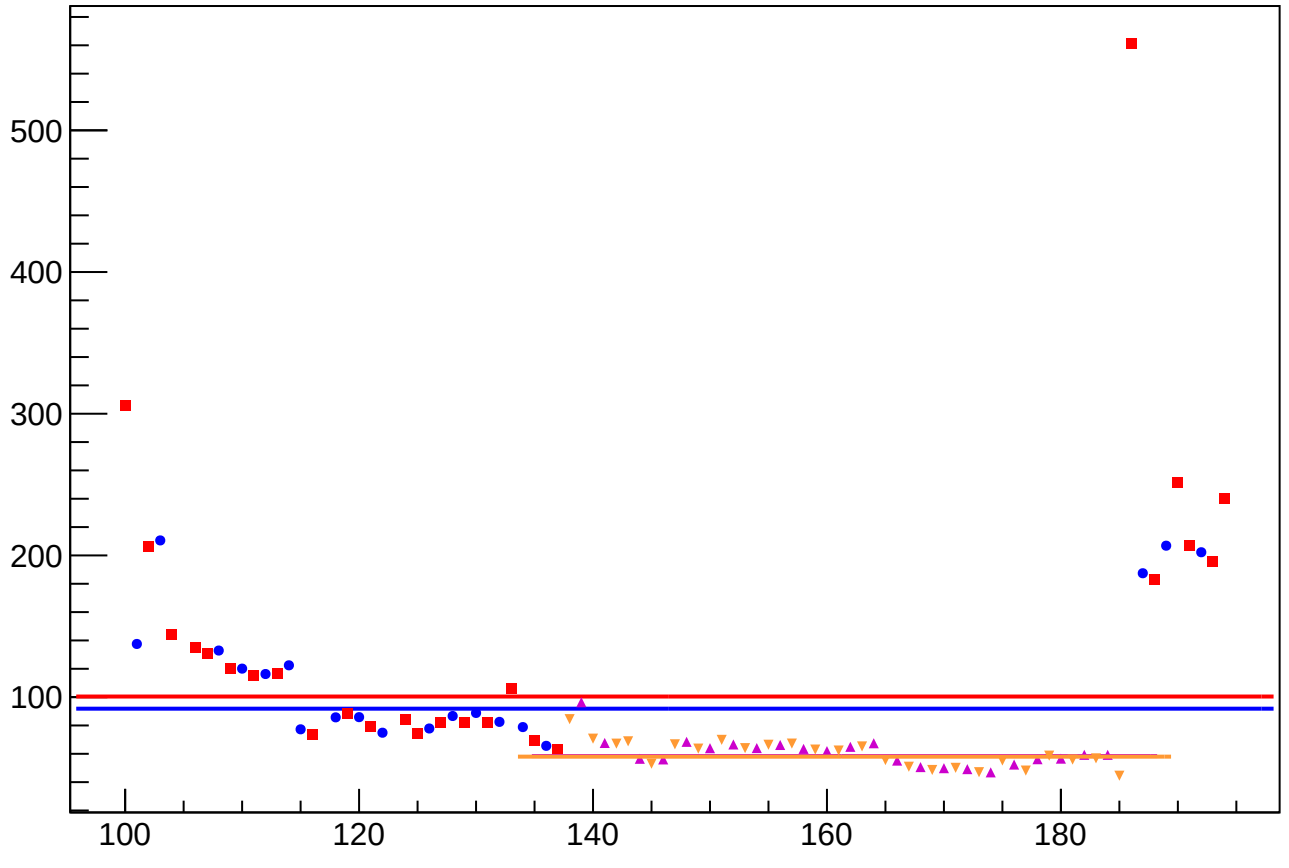
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: 36.649+/-23.493 χ^2/NDF: 35.5/43

In: 62.395+/-12.790 χ^2/NDF:46.5/41

Out: 40.982+/-12.435 χ^2/NDF:81.3/49

All: 51.387+/-8.916 χ^2/NDF: 129.3/91



Right In: 91.841+/-0.023 χ^2/NDF: 2079441.3/18

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

Right Out: 100.421+/-0.024 χ^2/NDF: 3611082.6/24

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

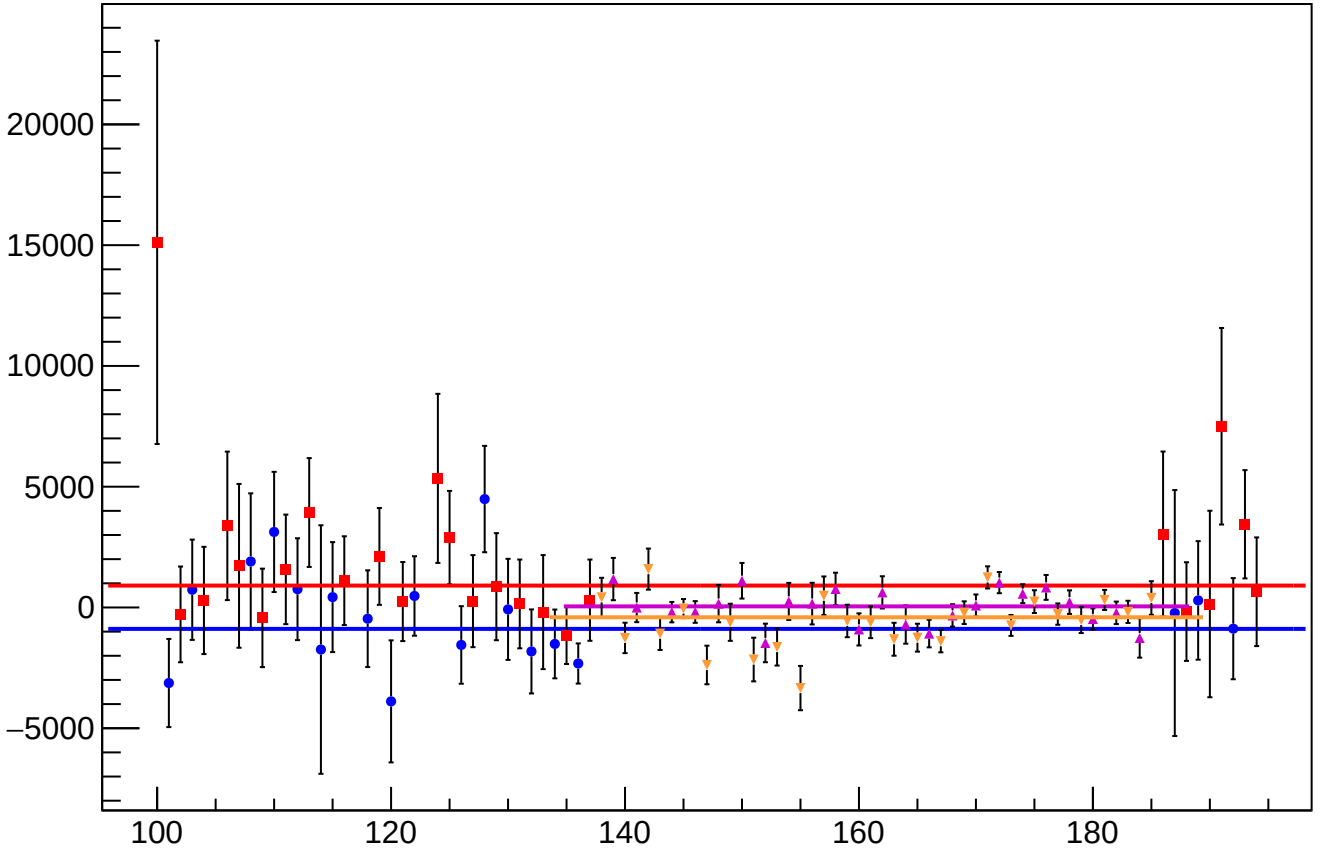
Right: 96.102+/-0.017 χ^2/NDF: 5757201.4/43

In: 63.387+/-0.009 χ^2/NDF:4550784.4/41

Out: 63.897+/-0.009 χ^2/NDF:7206754.1/49

All: 63.649+/-0.006 χ^2/NDF: 11759173.5/91

asym_sam_3726_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -886.489+/-423.441 χ^2/NDF: 18.8/18

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: 906.347+/-429.648 χ^2/NDF: 17.7/24

Left In: 44.831+/-115.765 χ^2/NDF:31.1/22

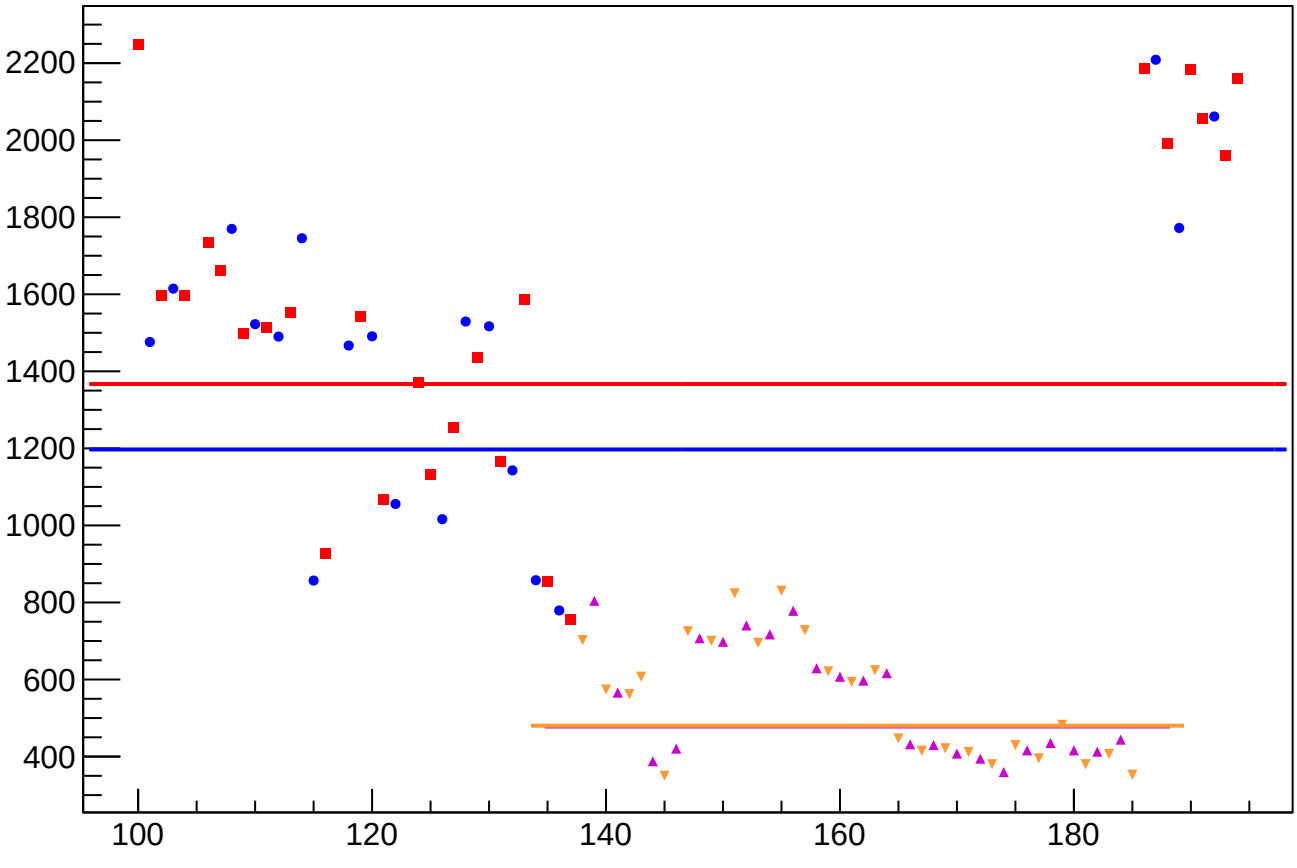
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

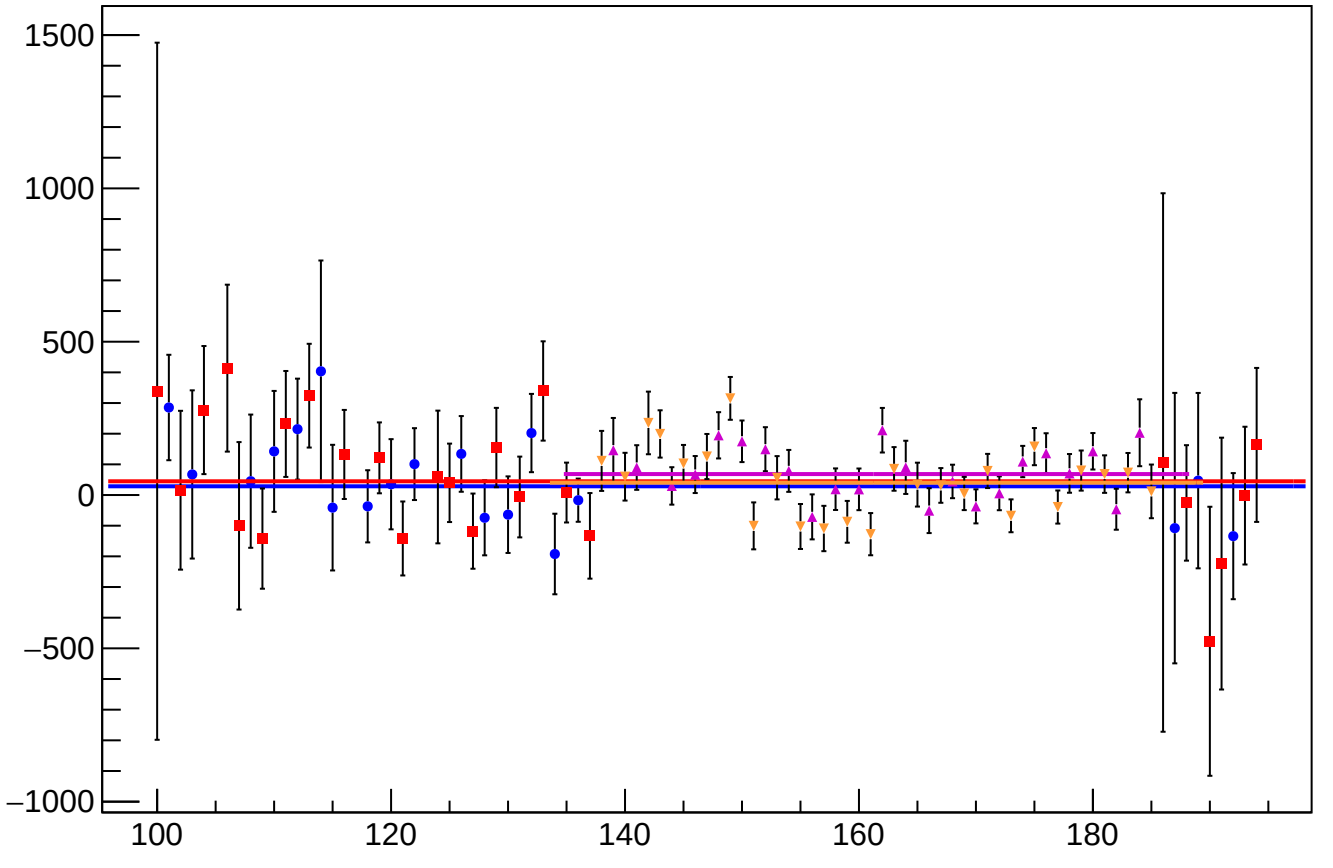
Right: -3.114+/-301.589 χ^2/NDF: 45.4/43

In: -19.937+/-111.667 χ^2/NDF:54.3/41

Out: -320.738+/-109.706 χ^2/NDF:89.7/49

All: -173.001+/-78.258 χ^2/NDF: 147.7/91


asym_sam_3726_avg_reg_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
400
100
120
140
160
180
Right In: 1197.161+/-0.299 χ²/NDF: 1696485.1/18
Left Out: 480.162+/-0.080 χ²/NDF:2582213.9/24
Right Out: 1367.101+/-0.304 χ²/NDF: 1887193.9/24
Left In: 478.084+/-0.082 χ²/NDF:2215520.4/22
Left: 479.144+/-0.057 χ²/NDF: 4798063.1/47
Right: 1280.895+/-0.213 χ²/NDF: 3742402.4/43
In: 528.092+/-0.079 χ²/NDF:9278494.7/41
Out: 537.989+/-0.078 χ²/NDF:12436724.6/49
All: 533.128+/-0.055 χ²/NDF: 21723214.4/91



Right In: 28.463+/-33.110 χ^2/NDF: 13.6/18

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 44.801+/-33.342 χ^2/NDF: 21.8/24

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

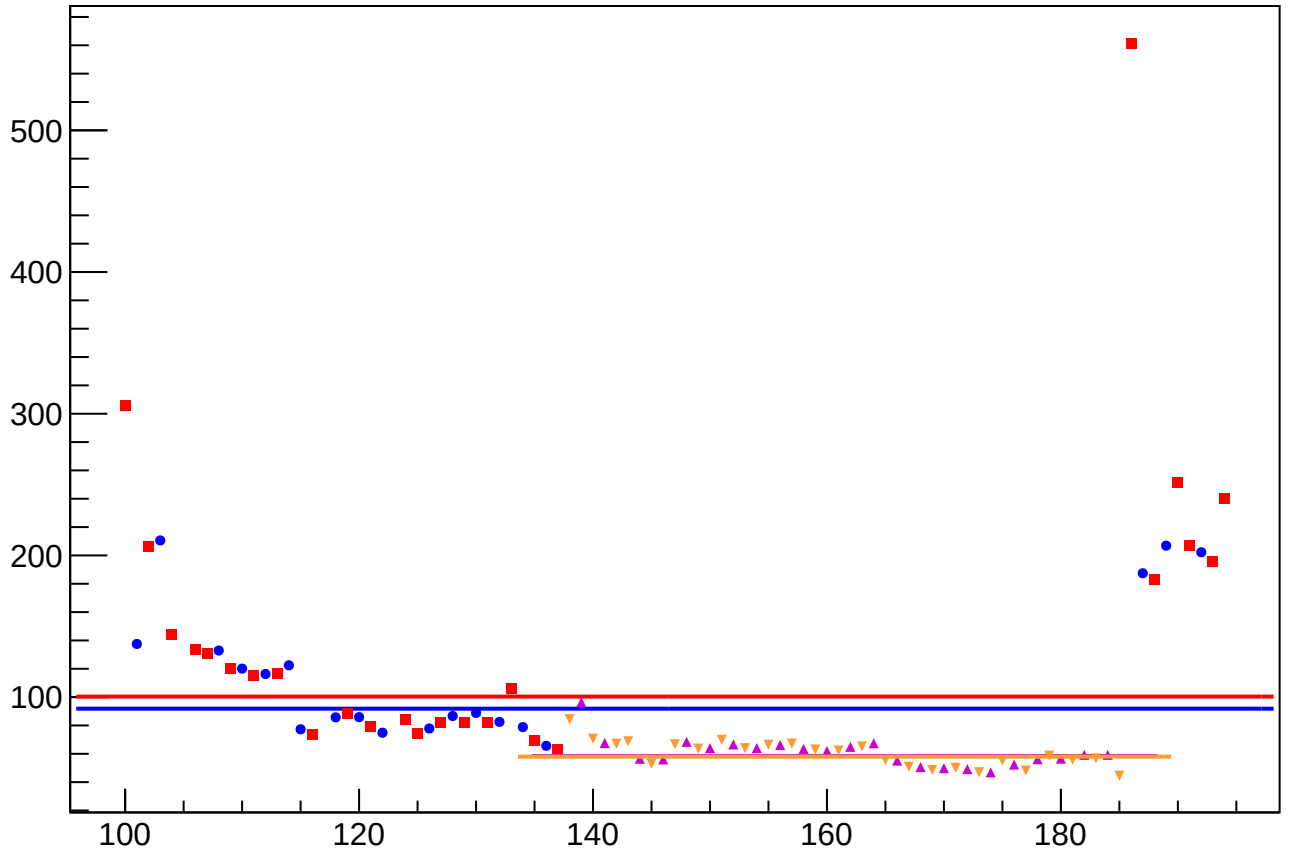
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 36.575+/-23.494 χ^2/NDF: 35.5/43

In: 62.392+/-12.790 χ^2/NDF:46.5/41

Out: 40.964+/-12.435 χ^2/NDF:81.2/49

All: 51.377+/-8.916 χ^2/NDF: 129.2/91



Right In: 91.841+/-0.023 χ^2/NDF: 2079444.1/18

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 100.388+/-0.024 χ^2/NDF: 3607621.6/24

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

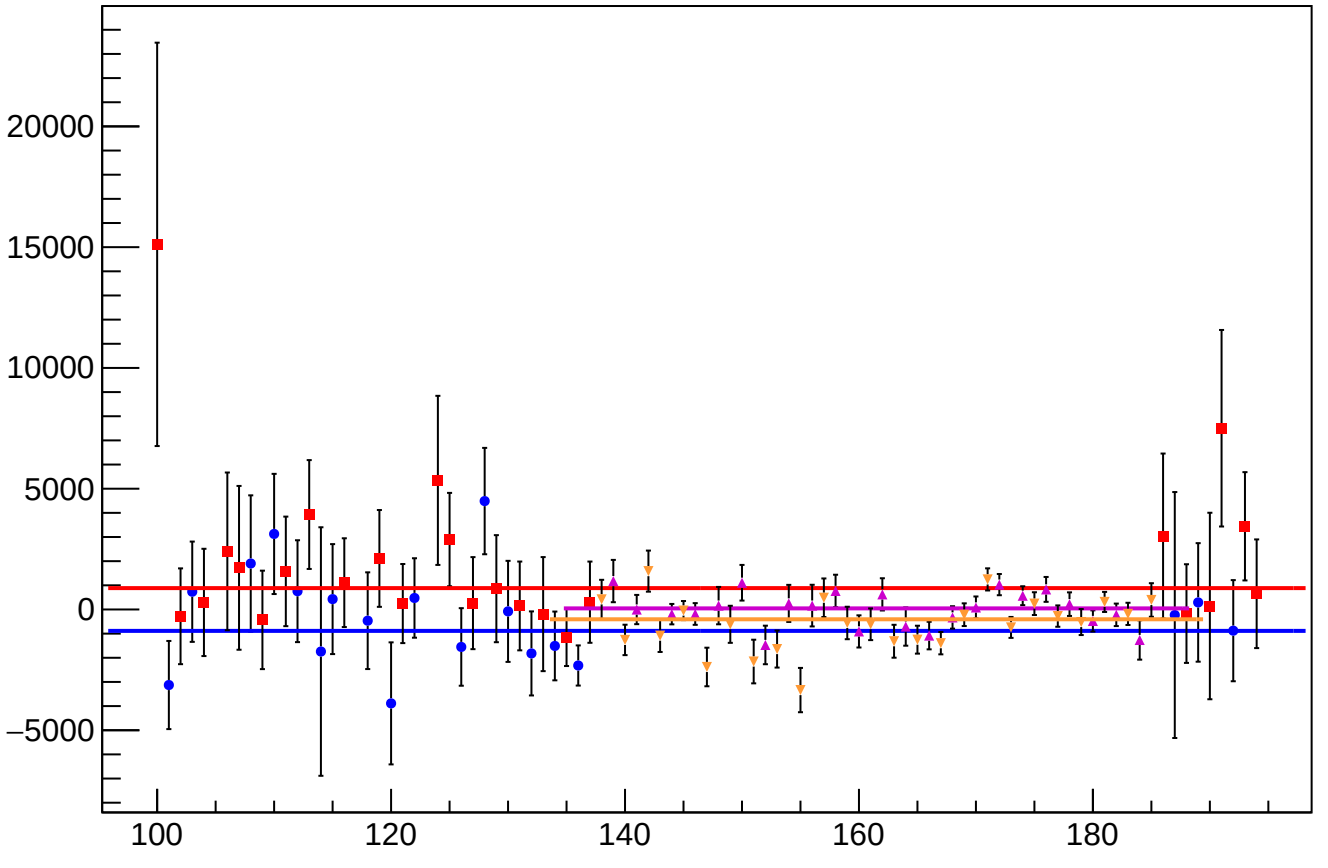
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

Right: 96.085+/-0.017 χ^2/NDF: 5753231.1/43

In: 63.387+/-0.009 χ^2/NDF:4550786.7/41

Out: 63.892+/-0.009 χ^2/NDF:7198717.3/49

All: 63.647+/-0.006 χ^2/NDF: 11751106.3/91



Right In: -886.458+/-423.442 χ^2/NDF: 18.8/18

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 884.292+/-430.141 χ^2/NDF: 17.3/24

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

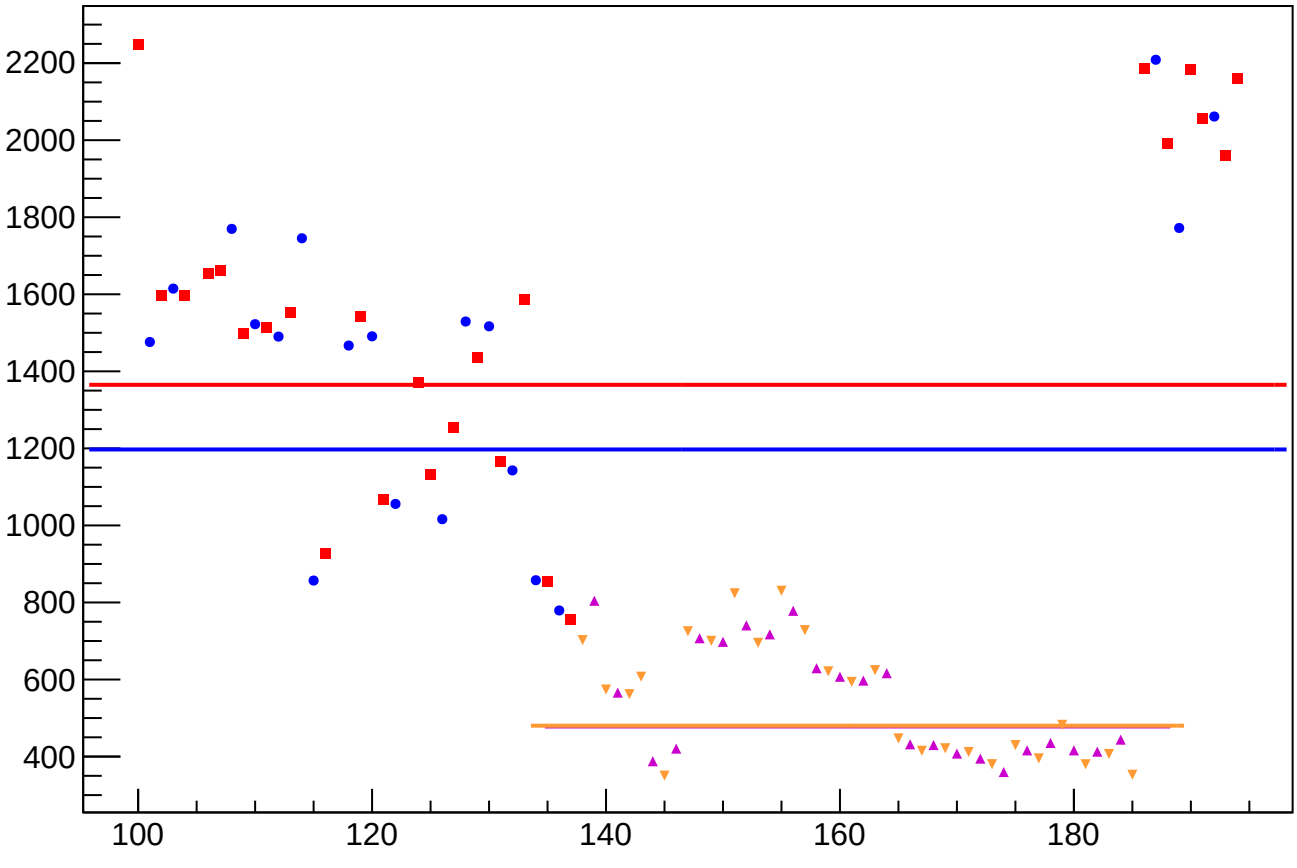
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -14.979+/-301.760 χ^2/NDF: 44.7/43

In: -19.936+/-111.667 χ^2/NDF:54.3/41

Out: -322.354+/-109.714 χ^2/NDF:88.9/49

All: -173.812+/-78.261 χ^2/NDF: 147.0/91



Right In: 1197.162+/-0.299 χ^2/NDF: 1696520.0/18

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1364.970+/-0.304 χ^2/NDF: 1874563.2/24

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

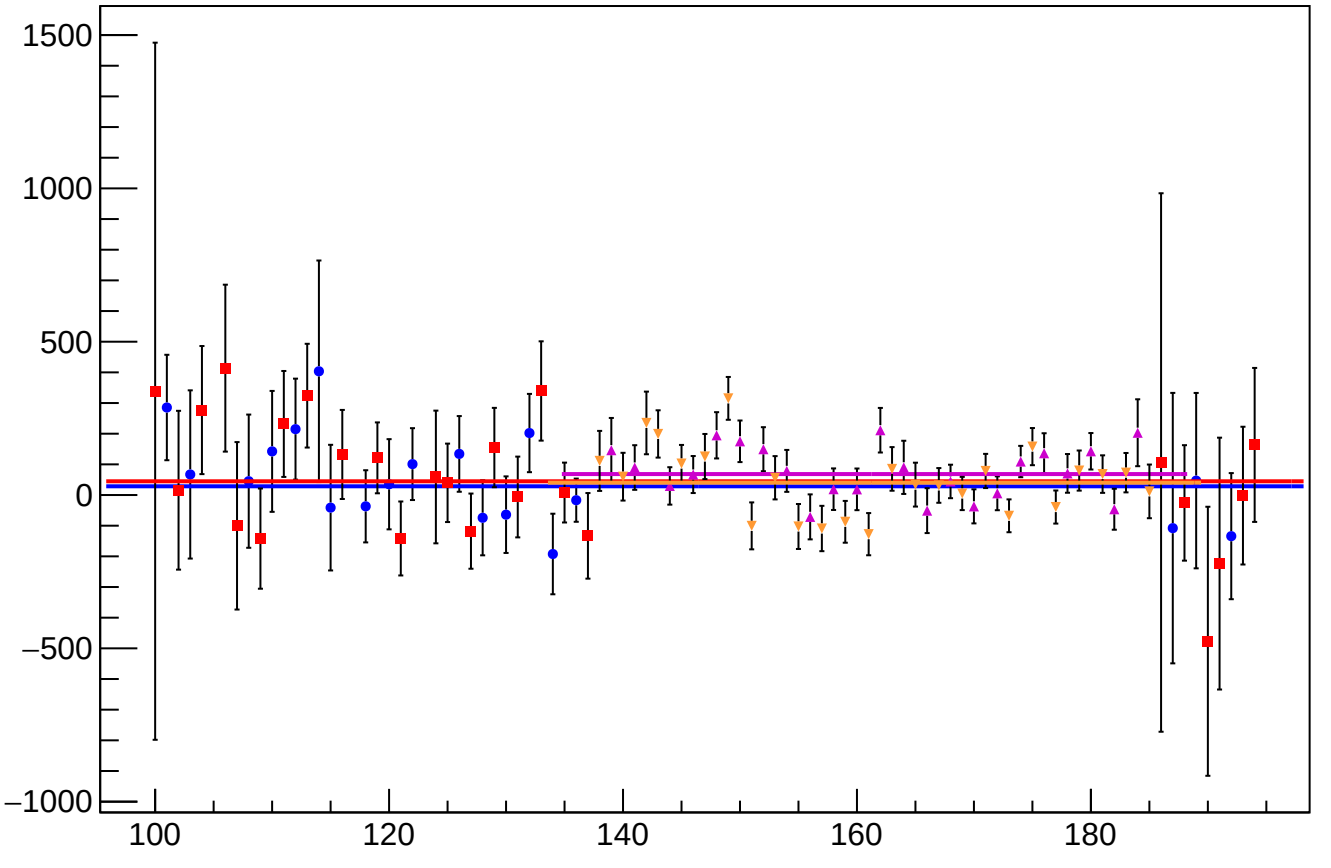
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1279.749+/-0.213 χ^2/NDF: 3725666.1/43

In: 528.092+/-0.079 χ^2/NDF:9278522.2/41

Out: 537.726+/-0.078 χ^2/NDF:12368839.8/49

All: 532.994+/-0.055 χ^2/NDF: 21654937.8/91



Right In: 28.463+/-33.110 χ^2/NDF: 13.6/18

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 44.801+/-33.342 χ^2/NDF: 21.8/24

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

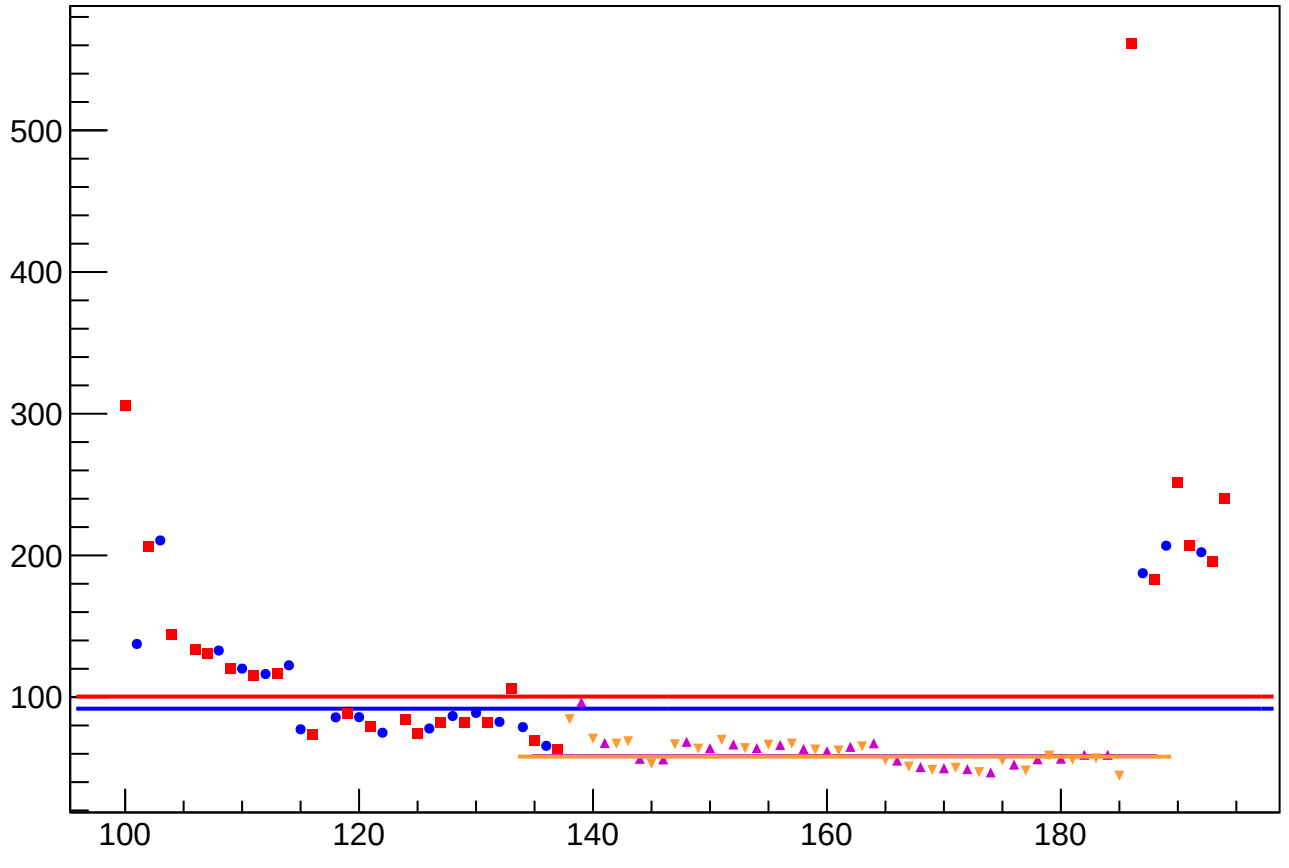
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 36.575+/-23.494 χ^2/NDF: 35.5/43

In: 62.392+/-12.790 χ^2/NDF:46.5/41

Out: 40.964+/-12.435 χ^2/NDF:81.2/49

All: 51.377+/-8.916 χ^2/NDF: 129.2/91



Right In: 91.841+/-0.023 χ^2/NDF: 2079444.1/18

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 100.388+/-0.024 χ^2/NDF: 3607621.6/24

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

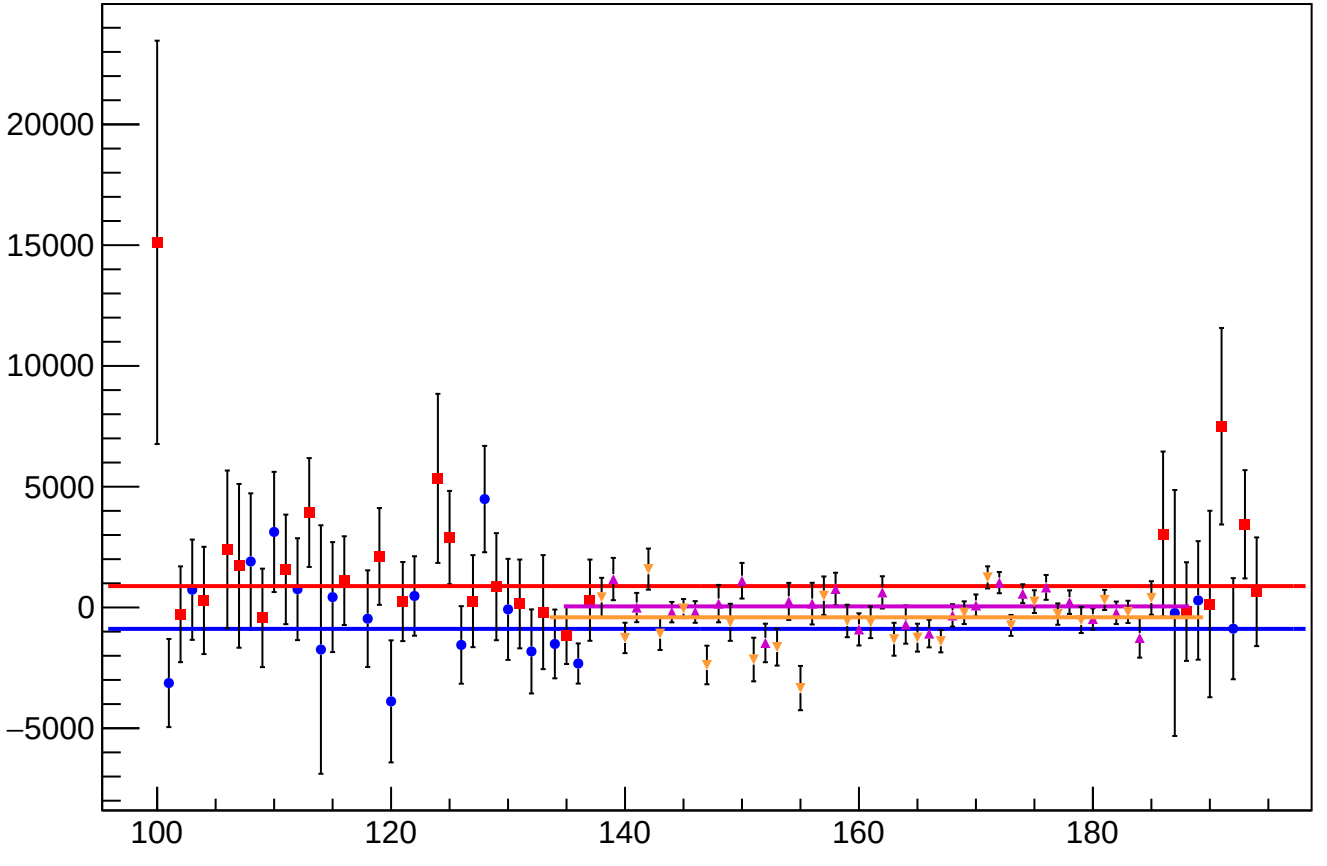
Right: 96.085+/-0.017 χ^2/NDF: 5753231.1/43

In: 63.387+/-0.009 χ^2/NDF:4550786.7/41

Out: 63.892+/-0.009 χ^2/NDF:7198717.3/49

All: 63.647+/-0.006 χ^2/NDF: 11751106.3/91

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -886.458+/-423.442 χ^2/NDF: 18.8/18

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 884.292+/-430.141 χ^2/NDF: 17.3/24

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

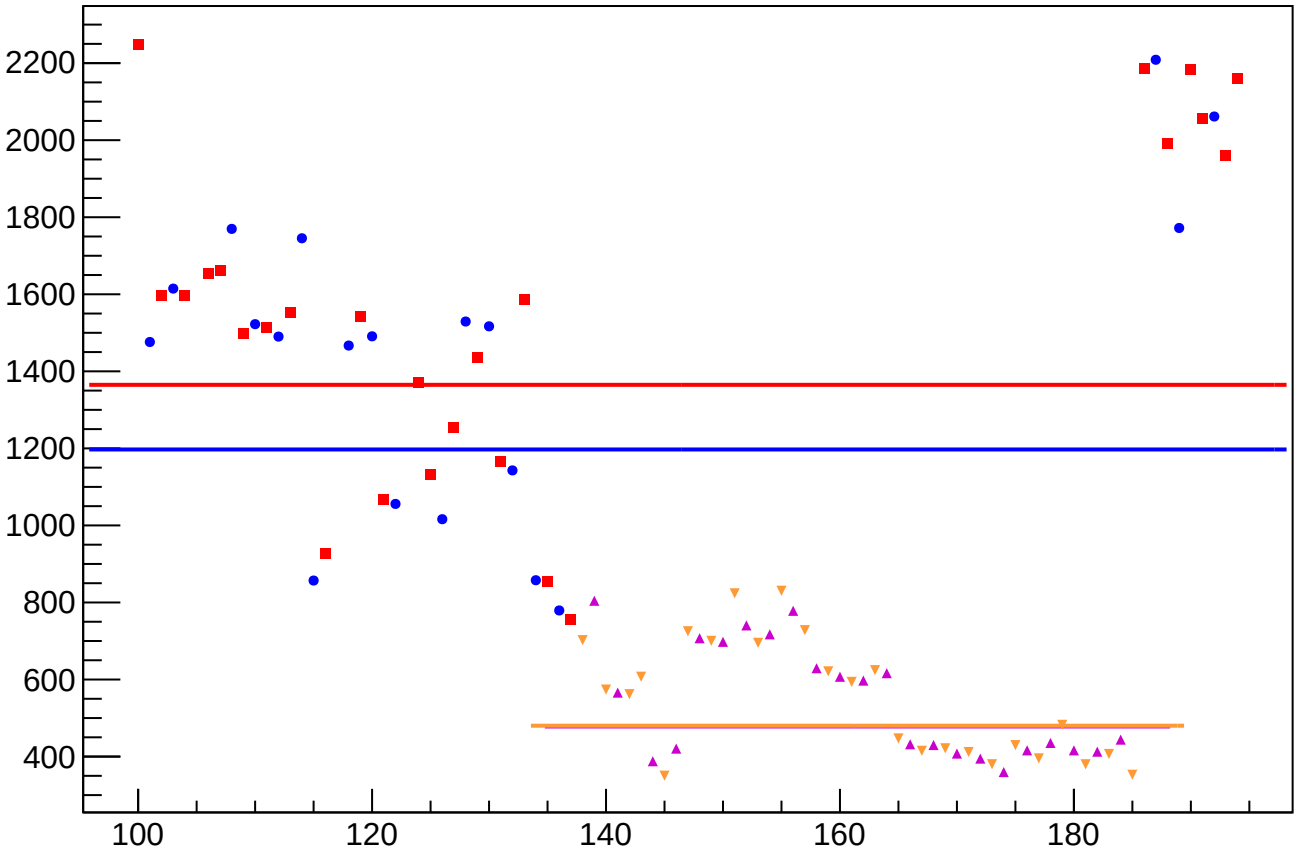
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -14.979+/-301.760 χ^2/NDF: 44.7/43

In: -19.936+/-111.667 χ^2/NDF:54.3/41

Out: -322.354+/-109.714 χ^2/NDF:88.9/49

All: -173.812+/-78.261 χ^2/NDF: 147.0/91



Right In: 1197.162+/-0.299 χ^2/NDF: 1696520.0/18

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1364.970+/-0.304 χ^2/NDF: 1874563.2/24

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

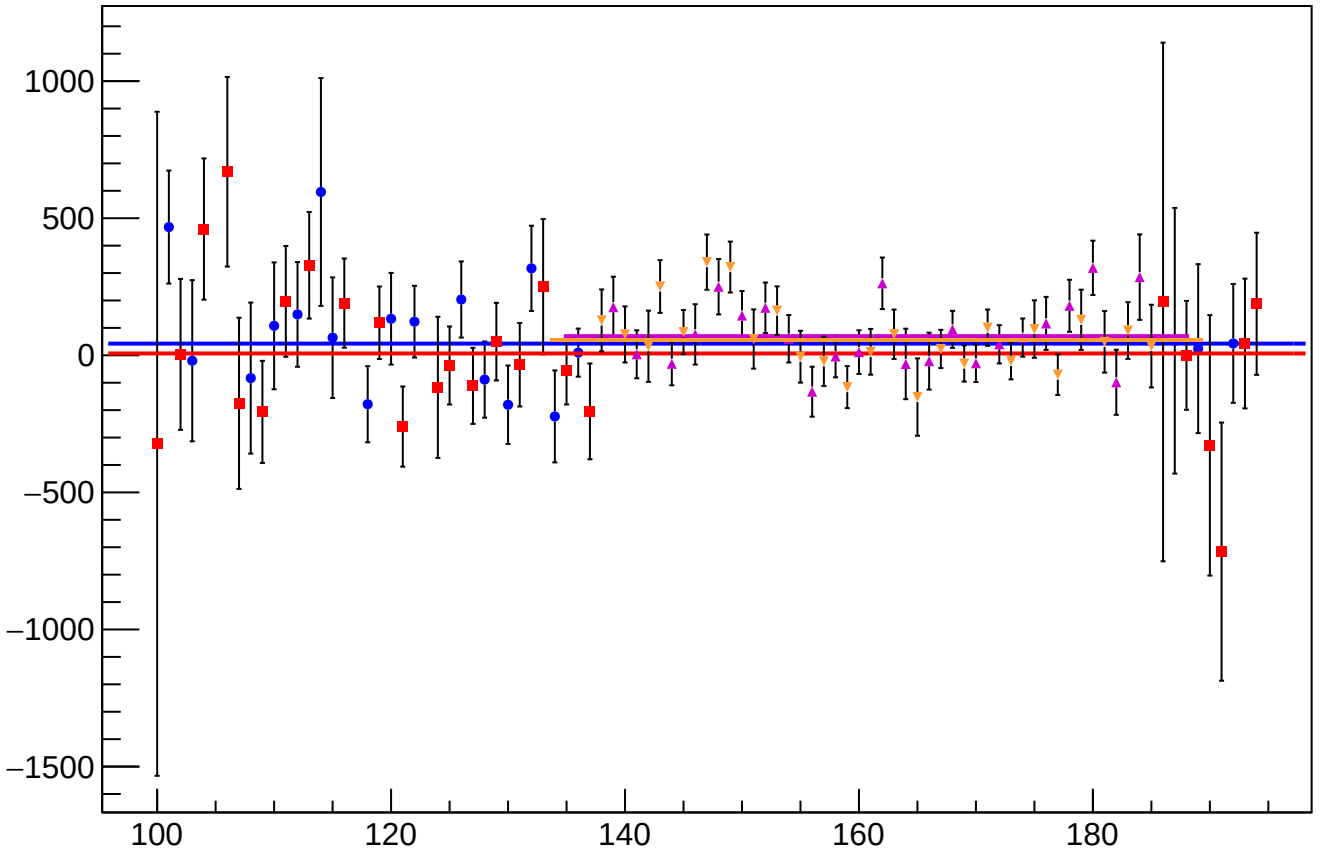
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1279.749+/-0.213 χ^2/NDF: 3725666.1/43

In: 528.092+/-0.079 χ^2/NDF:9278522.2/41

Out: 537.726+/-0.078 χ^2/NDF:12368839.8/49

All: 532.994+/-0.055 χ^2/NDF: 21654937.8/91



Right In: 42.697+/-38.845 χ^2/NDF: 20.3/18

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: 6.695+/-38.886 χ^2/NDF: 24.8/24

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

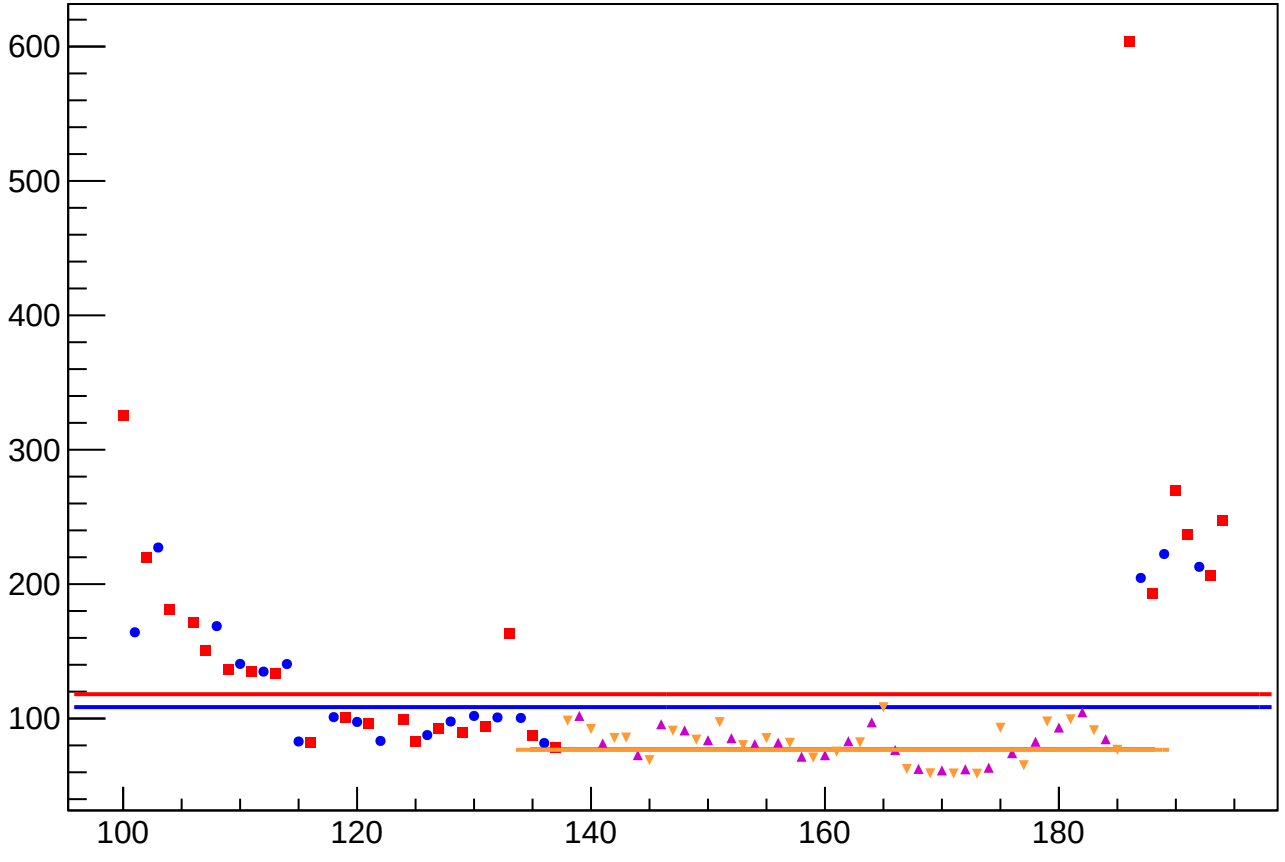
Right: 24.715+/-27.482 χ^2/NDF: 45.5/43

In: 64.826+/-16.700 χ^2/NDF:55.2/41

Out: 47.298+/-16.297 χ^2/NDF:64.4/49

All: 55.848+/-11.664 χ^2/NDF: 120.2/91

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 108.496+/-0.027 χ^2/NDF: 1845627.5/18

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 118.101+/-0.027 χ^2/NDF: 3285381.5/24

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

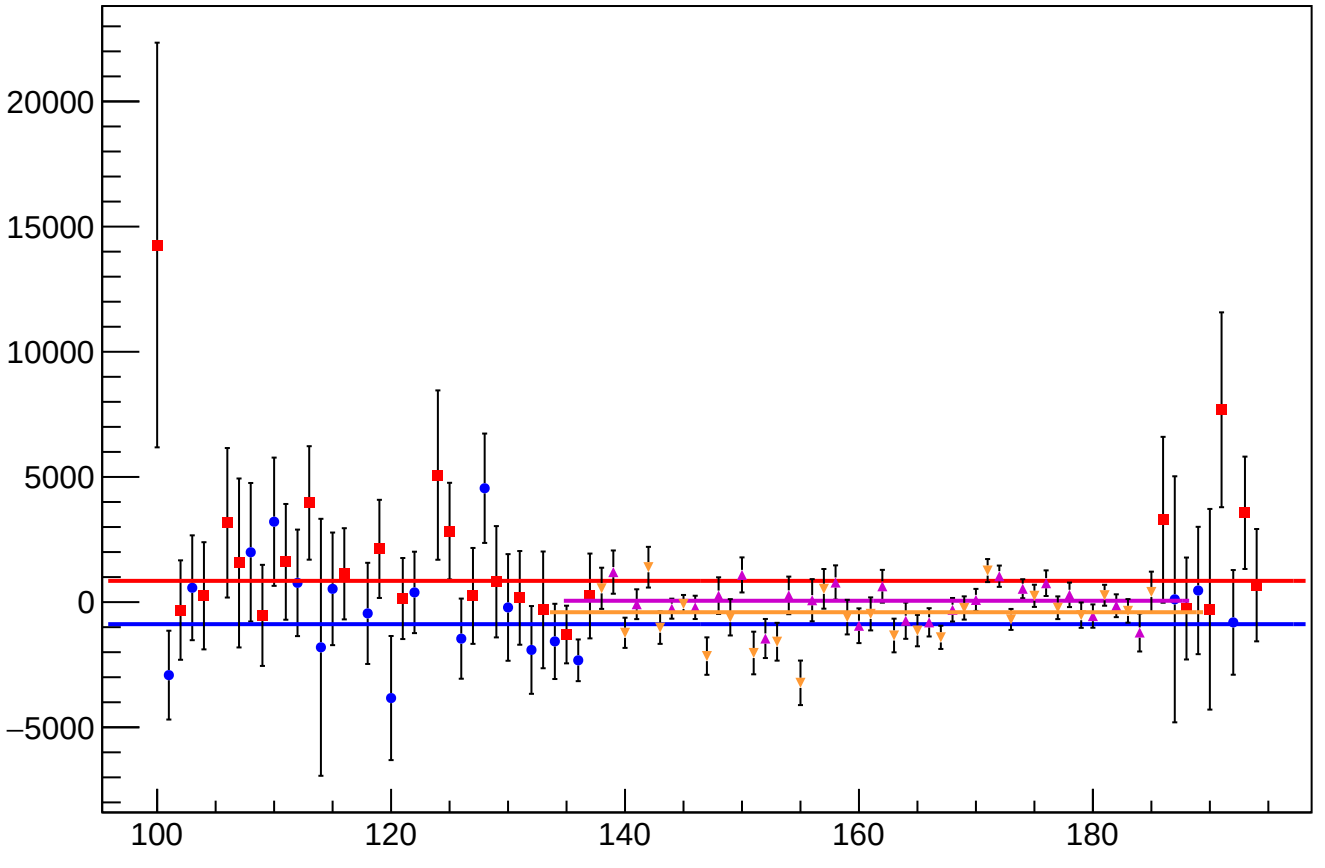
Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

Right: 113.293+/-0.019 χ^2/NDF: 5192085.8/43

In: 82.836+/-0.012 χ^2/NDF:3775078.4/41

Out: 84.008+/-0.012 χ^2/NDF:6384908.8/49

All: 83.436+/-0.008 χ^2/NDF: 10165029.6/91



Right In: -880.392+/-425.373 χ^2/NDF: 18.8/18

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 849.235+/-425.687 χ^2/NDF: 19.1/24

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

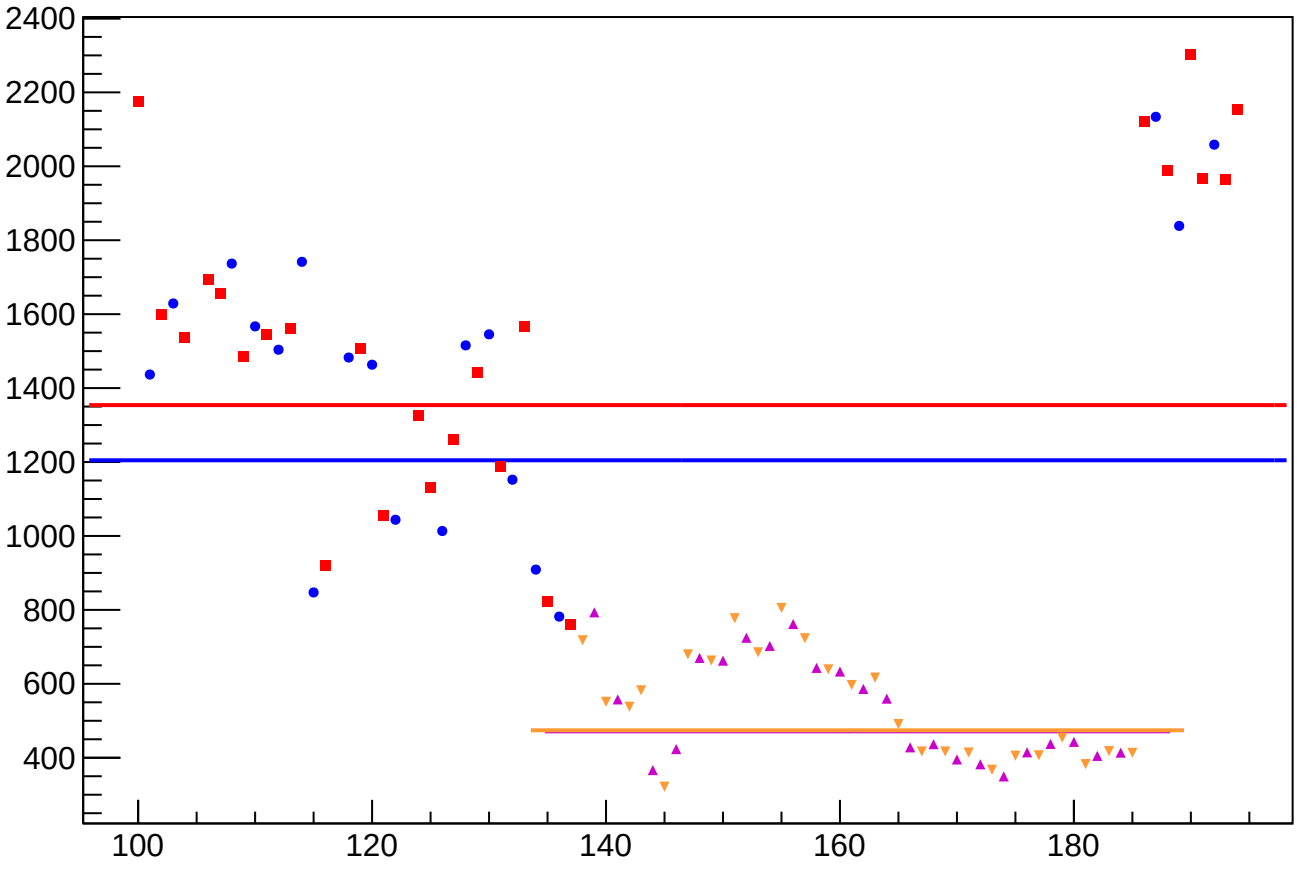
Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

Right: -16.217+/-300.895 χ^2/NDF: 46.2/43

In: -8.665+/-110.315 χ^2/NDF:54.0/41

Out: -322.586+/-108.109 χ^2/NDF:87.9/49

All: -168.796+/-77.213 χ^2/NDF: 146.1/91



Right In: 1204.691+/-0.301 χ^2/NDF: 1665893.0/18

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1353.941+/-0.301 χ^2/NDF: 1943676.5/24

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

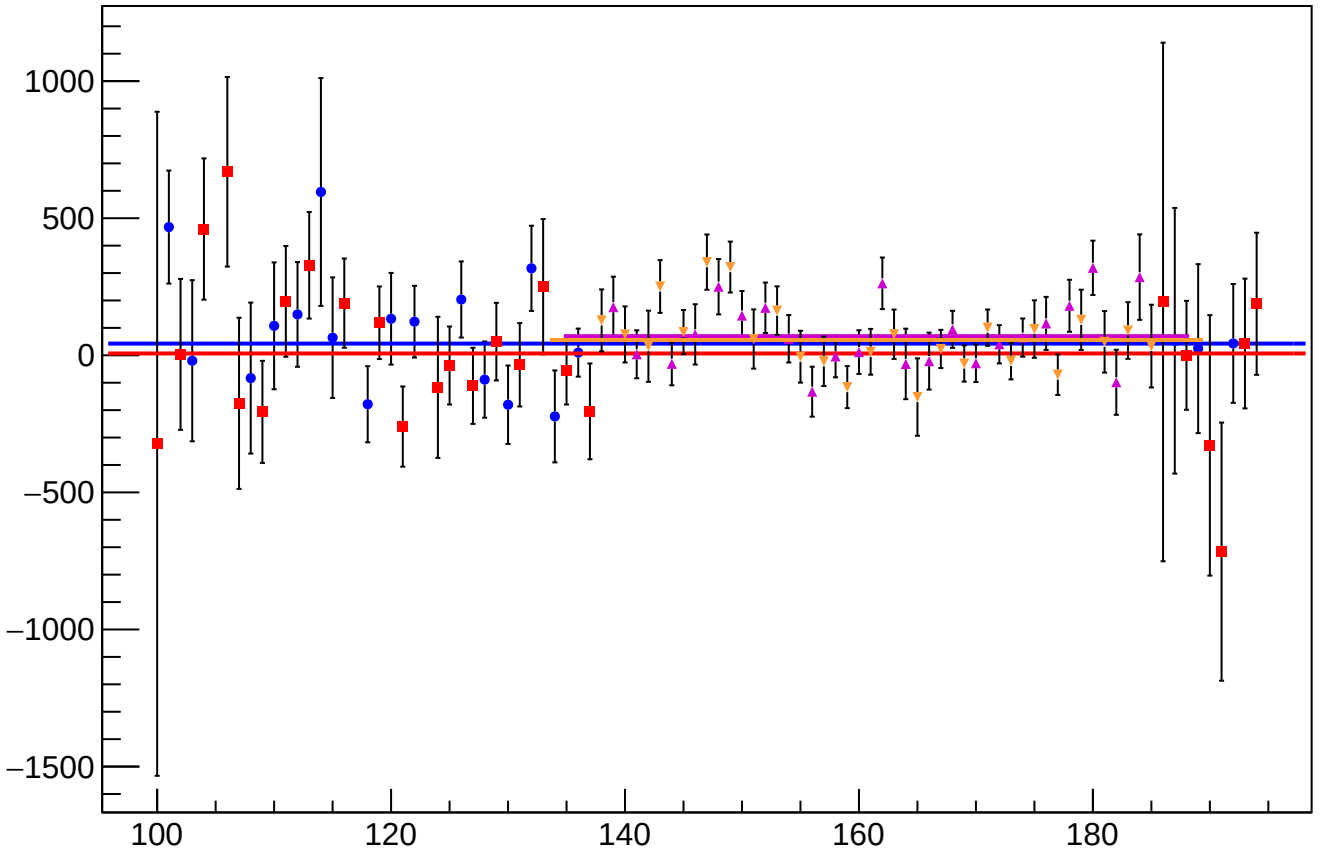
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1279.261+/-0.213 χ^2/NDF: 3732587.8/43

In: 520.770+/-0.078 χ^2/NDF:9418164.3/41

Out: 531.029+/-0.076 χ^2/NDF:12472027.8/49

All: 526.003+/-0.055 χ^2/NDF: 21899013.7/91



Right In: 42.696+/-38.845 χ^2/NDF: 20.3/18

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: 6.692+/-38.886 χ^2/NDF: 24.8/24

Left In: 69.843+/-18.497 χ^2/NDF:34.5/22

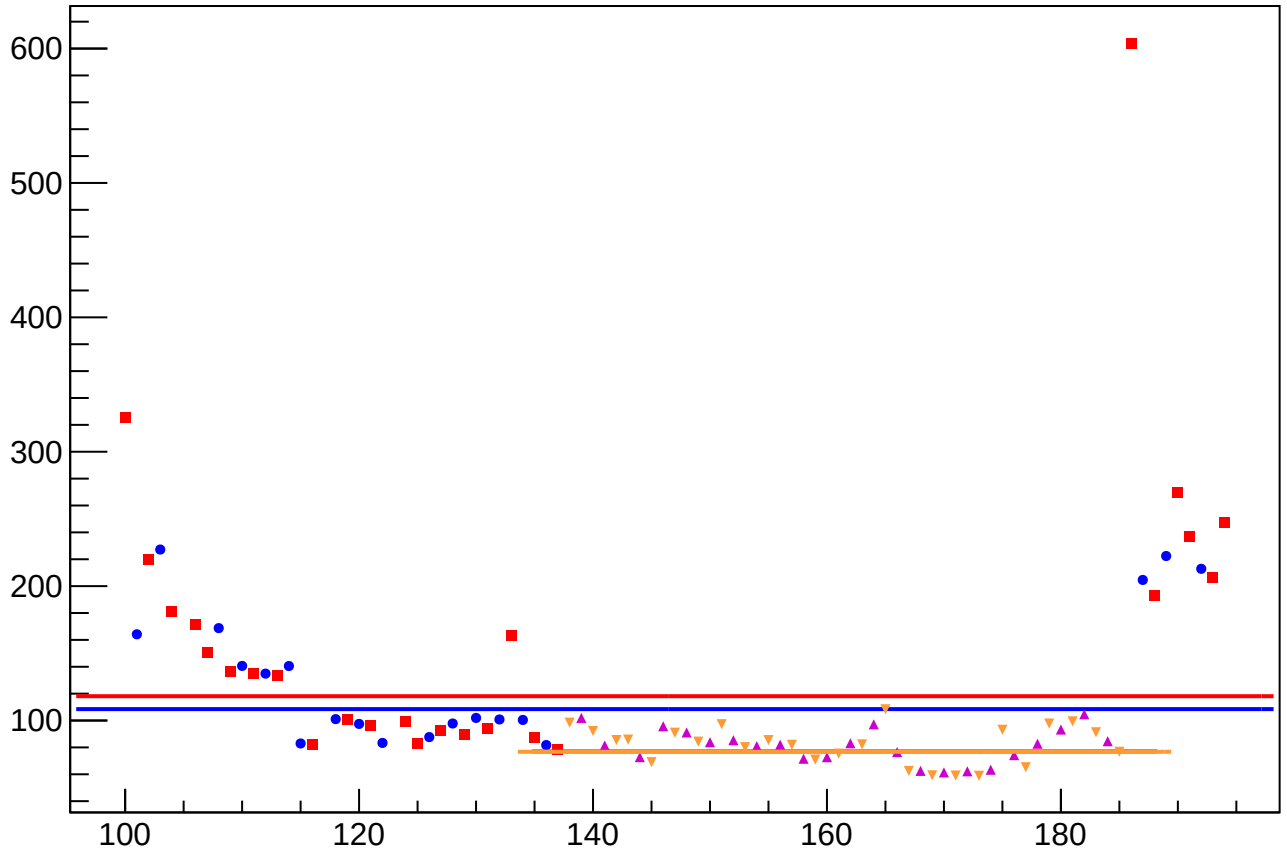
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 24.714+/-27.482 χ^2/NDF: 45.5/43

In: 64.825+/-16.700 χ^2/NDF:55.2/41

Out: 47.297+/-16.297 χ^2/NDF:64.4/49

All: 55.847+/-11.664 χ^2/NDF: 120.2/91



Right In: 108.495+/-0.027 χ^2/NDF: 1845627.8/18

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

Right Out: 118.101+/-0.027 χ^2/NDF: 3285387.6/24

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

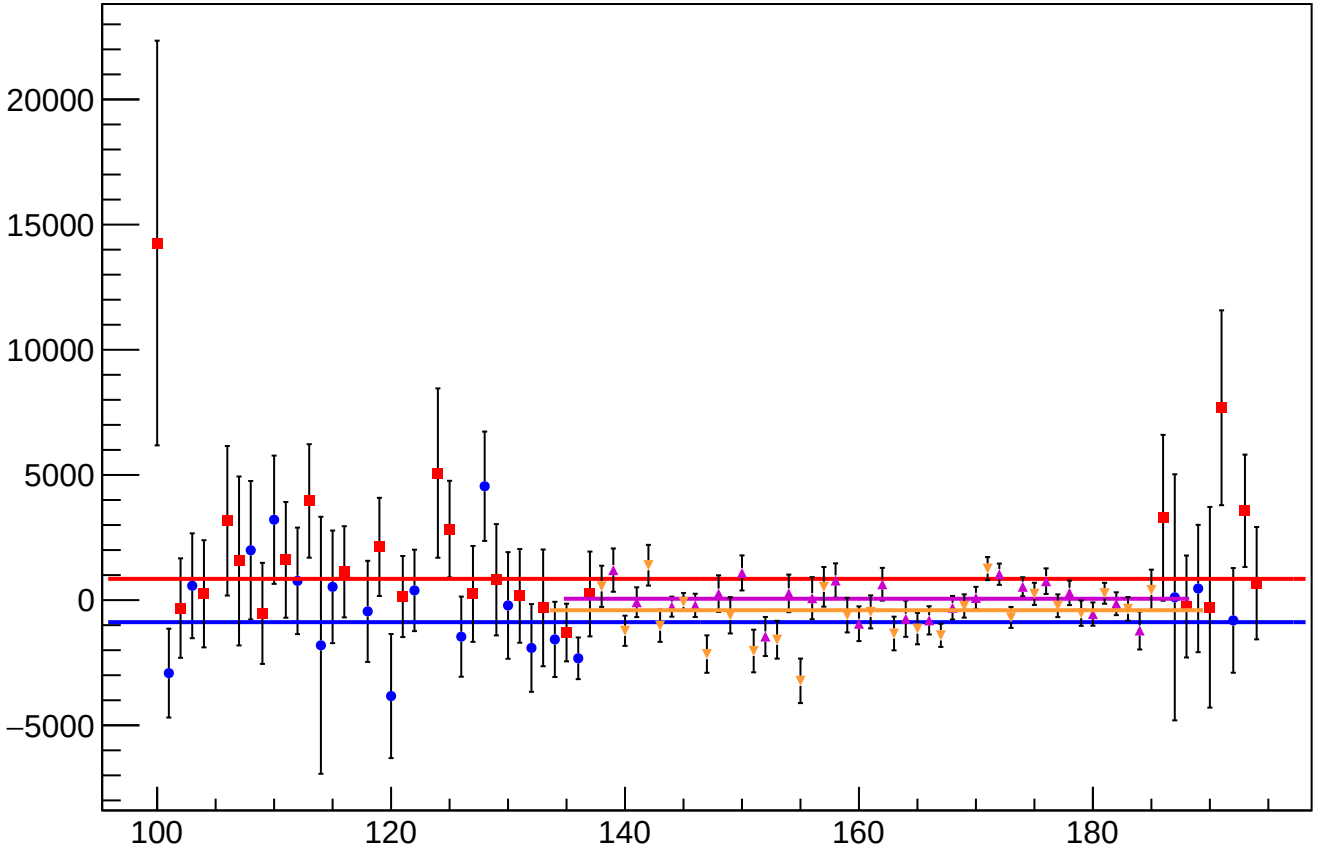
Right: 113.293+/-0.019 χ^2/NDF: 5192094.3/43

In: 82.836+/-0.012 χ^2/NDF:3775036.4/41

Out: 84.008+/-0.012 χ^2/NDF:6384881.7/49

All: 83.436+/-0.008 χ^2/NDF: 10164960.4/91

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -880.389+/-425.372 χ^2/NDF: 18.8/18

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 849.235+/-425.686 χ^2/NDF: 19.1/24

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

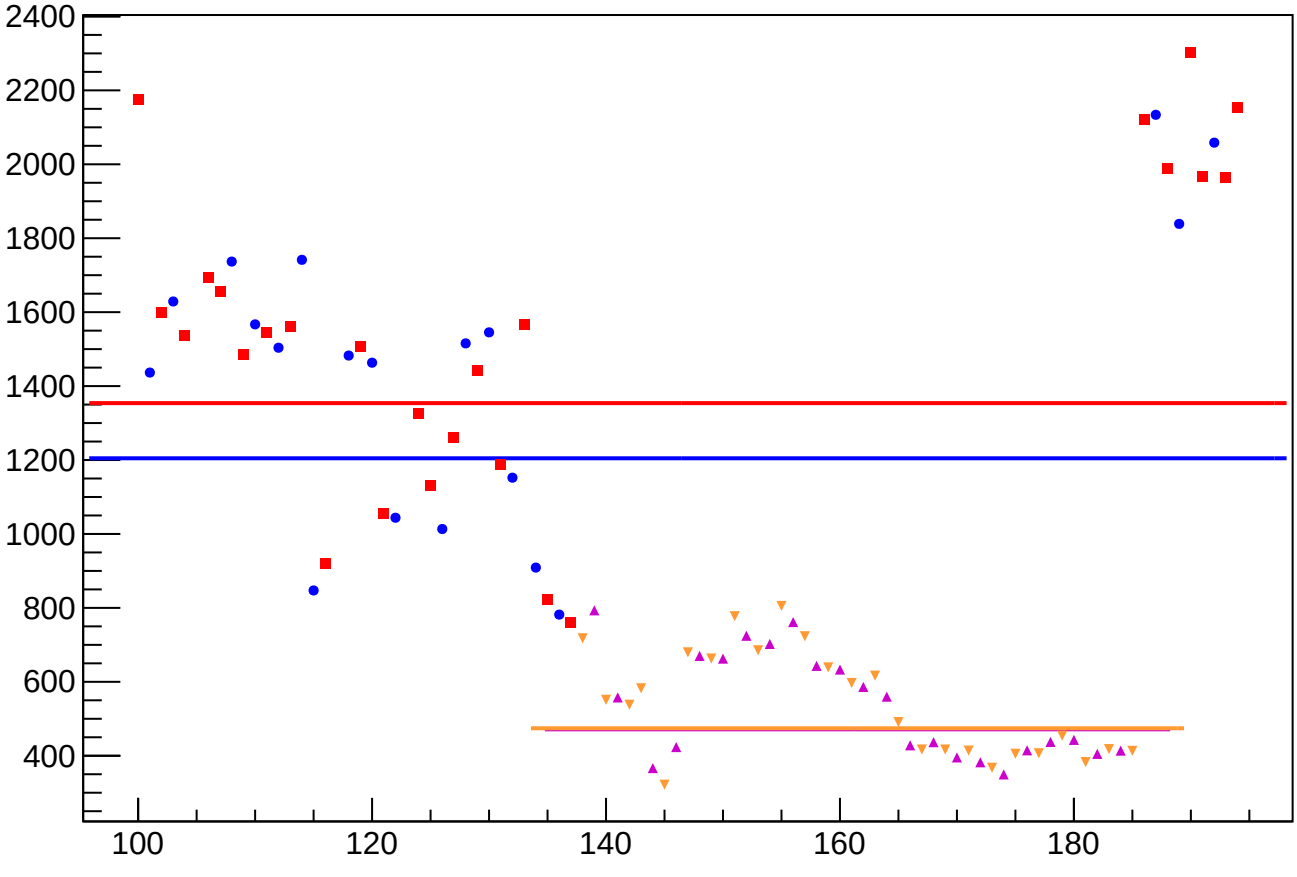
Right: -16.215+/-300.895 χ^2/NDF: 46.2/43

In: -8.664+/-110.315 χ^2/NDF:54.0/41

Out: -322.585+/-108.109 χ^2/NDF:87.9/49

All: -168.796+/-77.213 χ^2/NDF: 146.1/91

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1204.690+/-0.301 χ^2/NDF: 1665881.4/18

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1353.939+/-0.301 χ^2/NDF: 1943669.4/24

Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

Left: 472.905+/-0.056 χ^2/NDF: 4748968.3/47

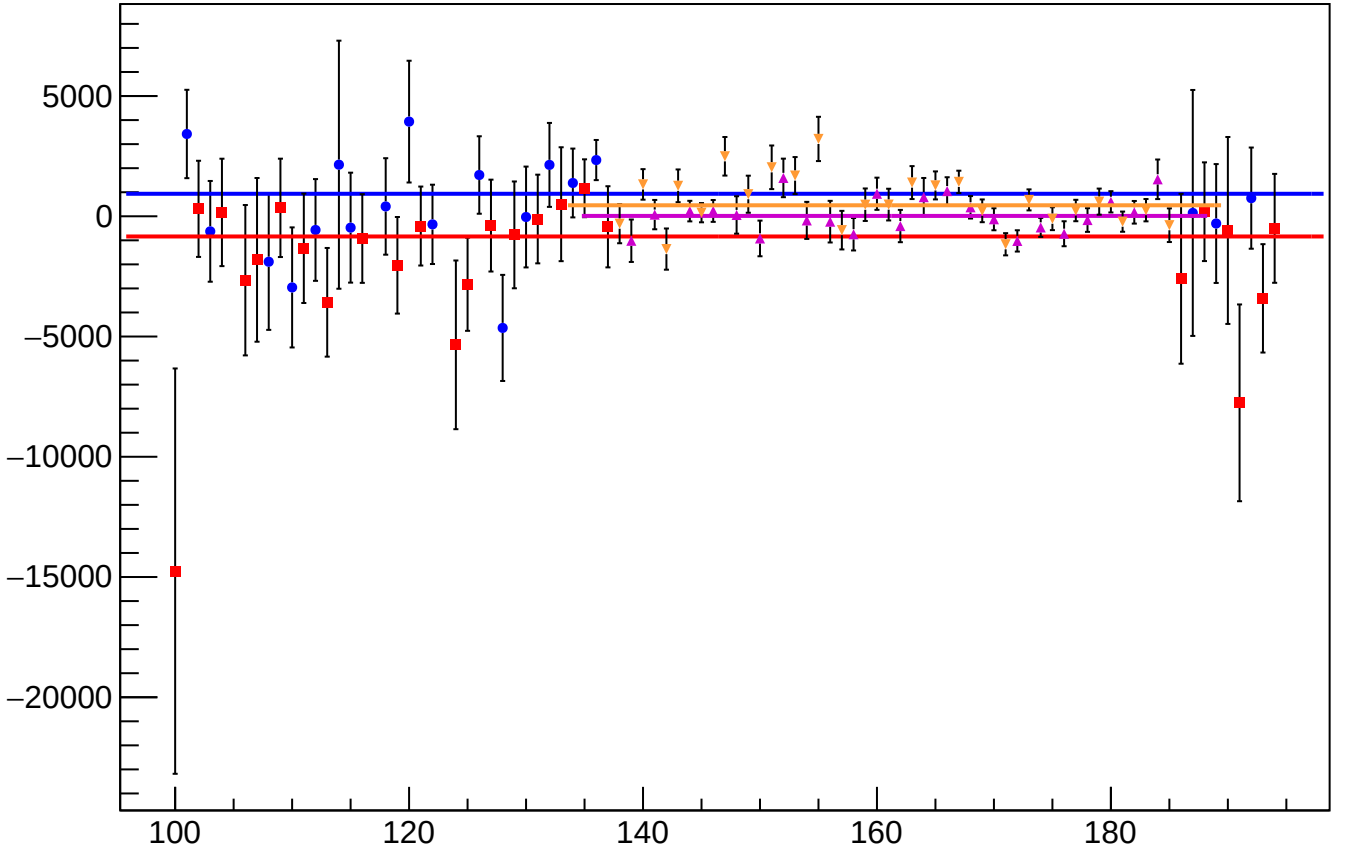
Right: 1279.260+/-0.213 χ^2/NDF: 3732568.4/43

In: 520.770+/-0.078 χ^2/NDF:9418145.8/41

Out: 531.028+/-0.076 χ^2/NDF:12472019.9/49

All: 526.003+/-0.055 χ^2/NDF: 21898987.1/91

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 935.671+/-425.171 χ^2/NDF: 19.3/18

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: -839.571+/-431.567 χ^2/NDF: 16.7/24

Left In: 15.089+/-116.701 χ^2/NDF:30.3/22

Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

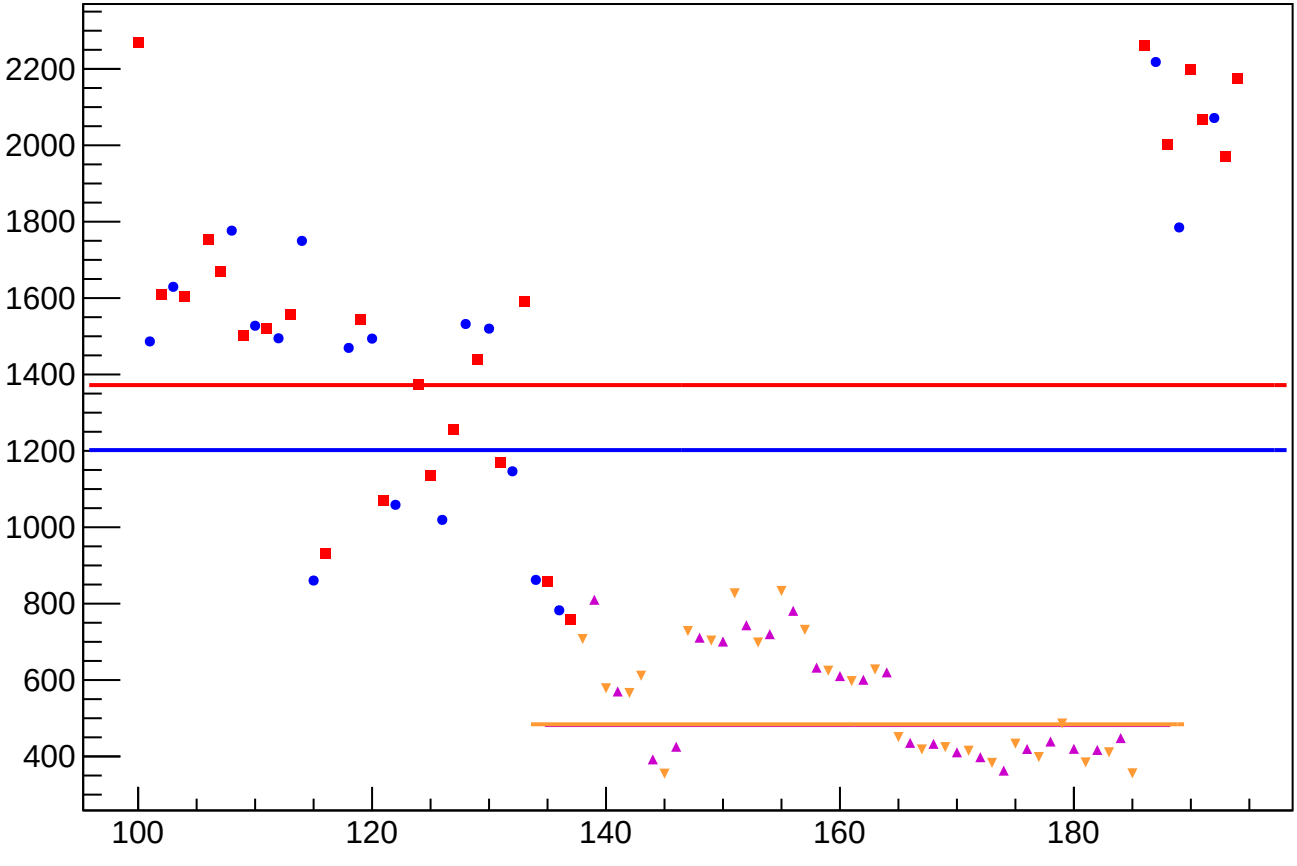
Right: 61.303+/-302.877 χ^2/NDF: 44.6/43

In: 79.586+/-112.538 χ^2/NDF:54.0/41

Out: 372.210+/-110.537 χ^2/NDF:84.5/49

All: 228.523+/-78.859 χ^2/NDF: 142.0/91

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1202.018+/-0.301 χ^2/NDF: 1698358.3/18

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

Right Out: 1372.227+/-0.305 χ^2/NDF: 1910255.9/24

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

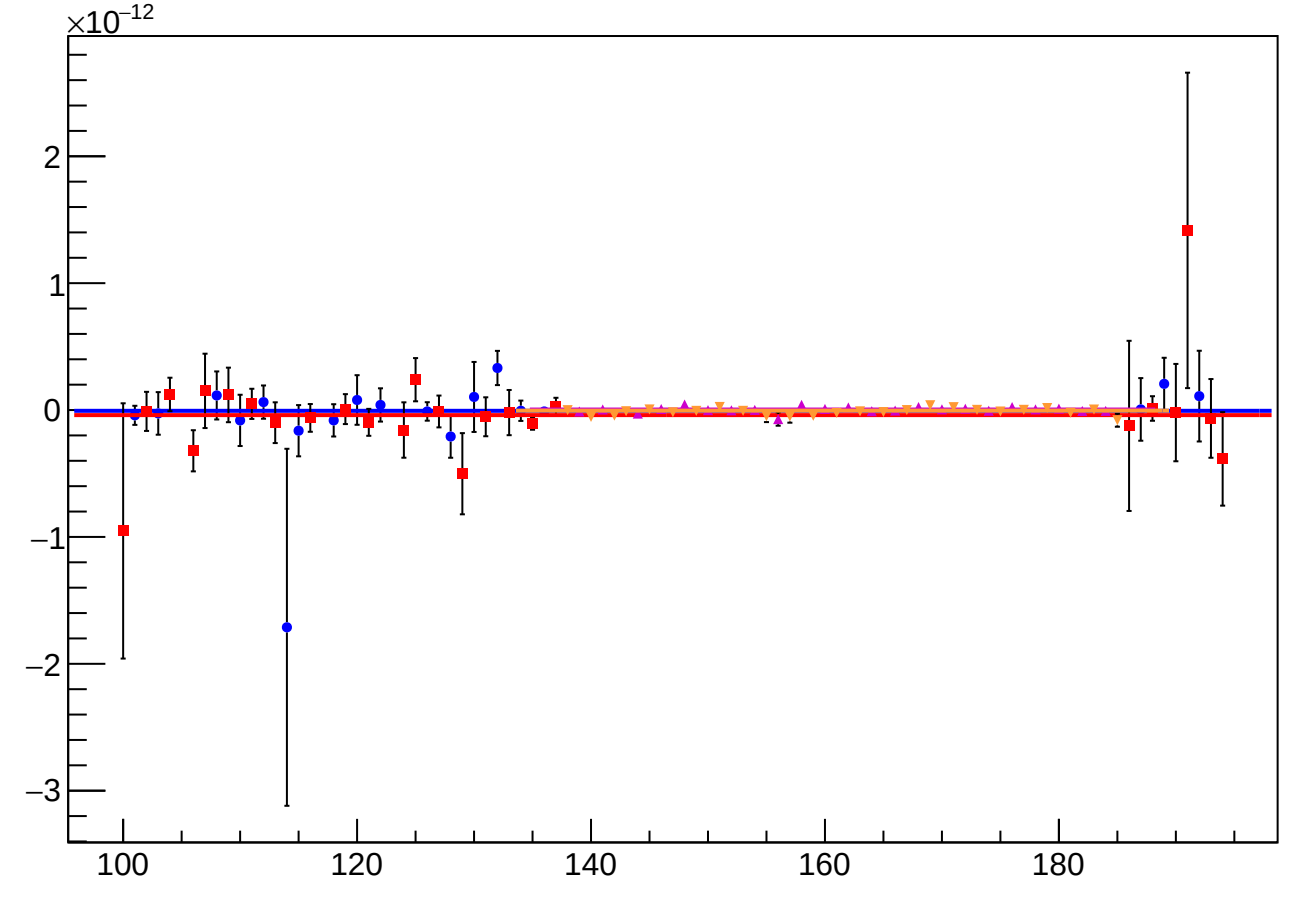
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

Right: 1285.852+/-0.214 χ^2/NDF: 3766486.4/43

In: 532.594+/-0.080 χ^2/NDF:9216568.9/41

Out: 542.389+/-0.078 χ^2/NDF:12372588.0/49

All: 537.579+/-0.056 χ^2/NDF: 21596869.2/91



Right In: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/24

Left In: 0.000+/-0.000 χ^2/NDF:15.0/22

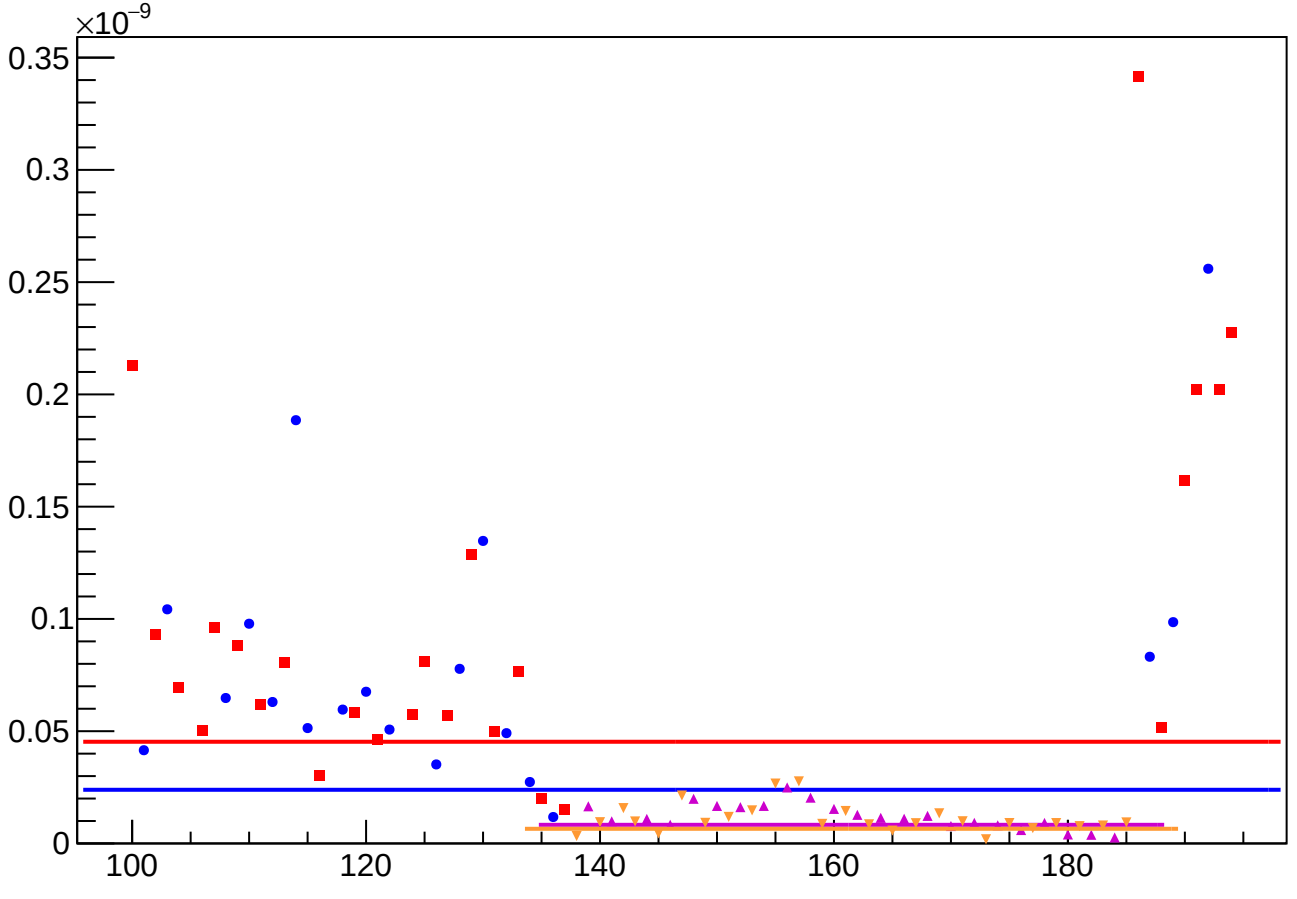
Left: -0.000+/-0.000 χ^2/NDF: 49.2/47

Right: -0.000+/-0.000 χ^2/NDF: 32.2/43

In: 0.000+/-0.000 χ^2/NDF:28.3/41

Out: -0.000+/-0.000 χ^2/NDF:51.0/49

All: -0.000+/-0.000 χ^2/NDF: 82.6/91



Right In: 0.000+/-0.000 χ^2/NDF: 4087099.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3506137.5/24

Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

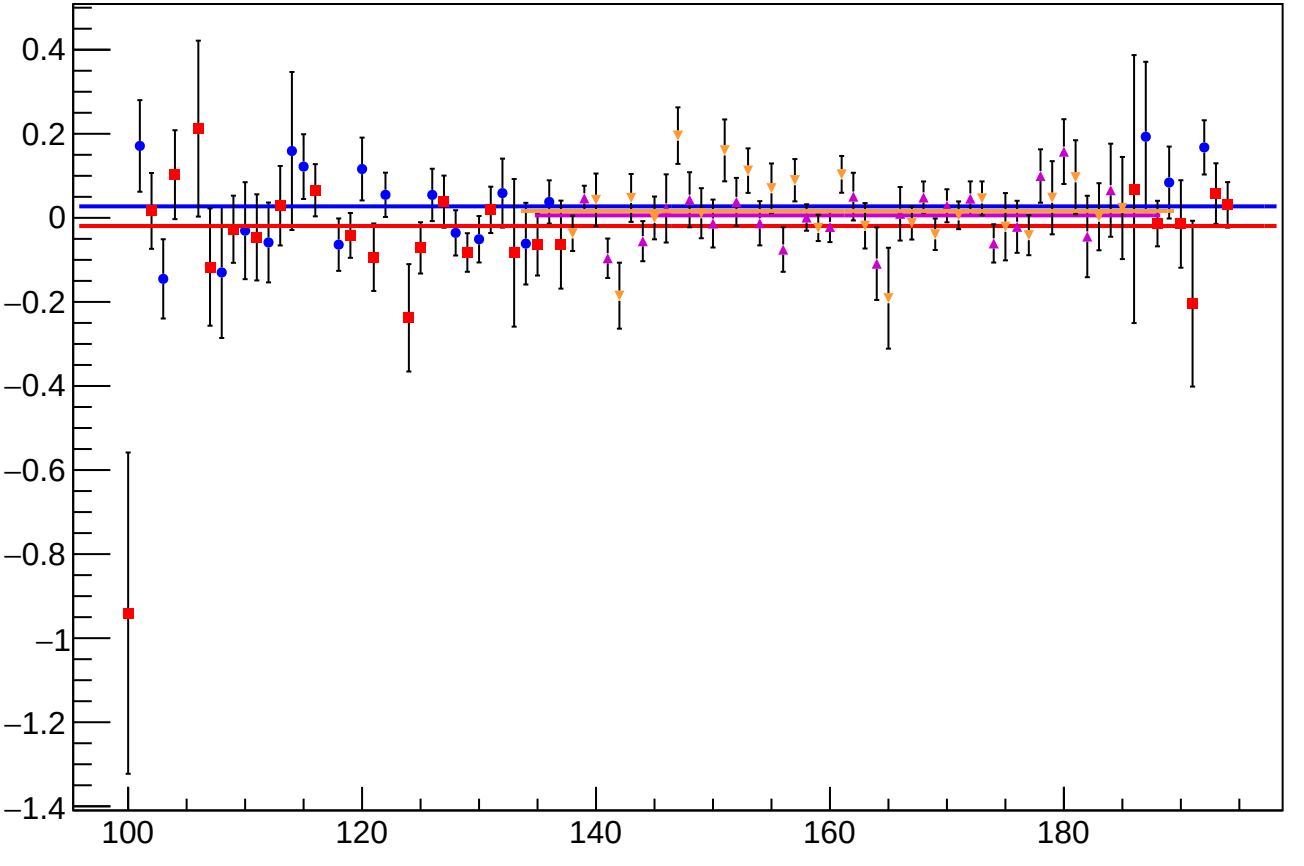
Right: 0.000+/-0.000 χ^2/NDF: 8542686.0/43

In: 0.000+/-0.000 χ^2/NDF:8452523.3/41

Out: 0.000+/-0.000 χ^2/NDF:11682281.9/49

All: 0.000+/-0.000 χ^2/NDF: 20447221.5/91

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.027+/-0.017 χ^2/NDF: 23.6/18

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.019+/-0.016 χ^2/NDF: 22.8/24

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

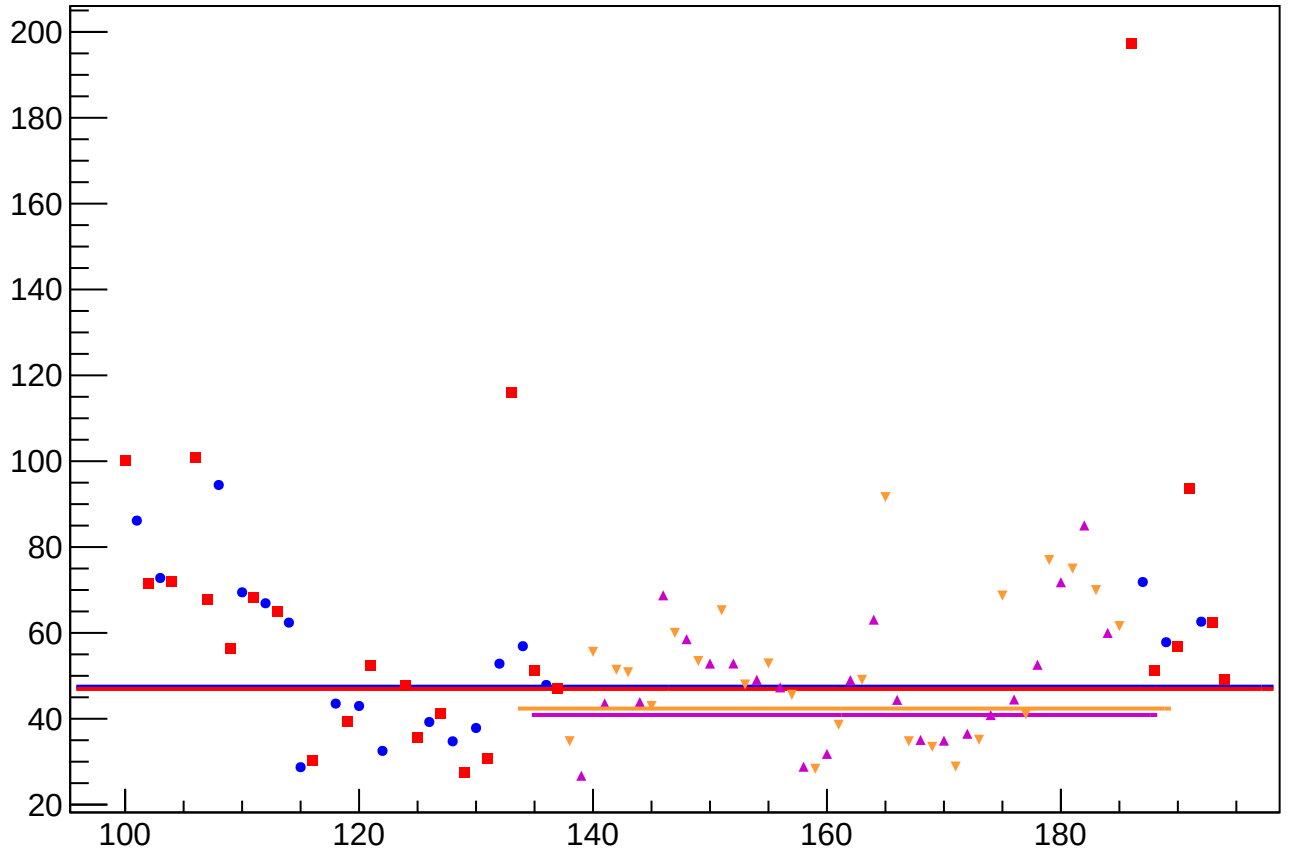
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: 0.002+/-0.012 χ^2/NDF: 50.5/43

In: 0.012+/-0.009 χ^2/NDF:50.7/41

Out: 0.005+/-0.009 χ^2/NDF:67.6/49

All: 0.008+/-0.006 χ^2/NDF: 118.5/91



Right In: 47.476+/-0.012 χ^2/NDF: 1453424.5/18

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 46.949+/-0.011 χ^2/NDF: 2476187.8/24

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

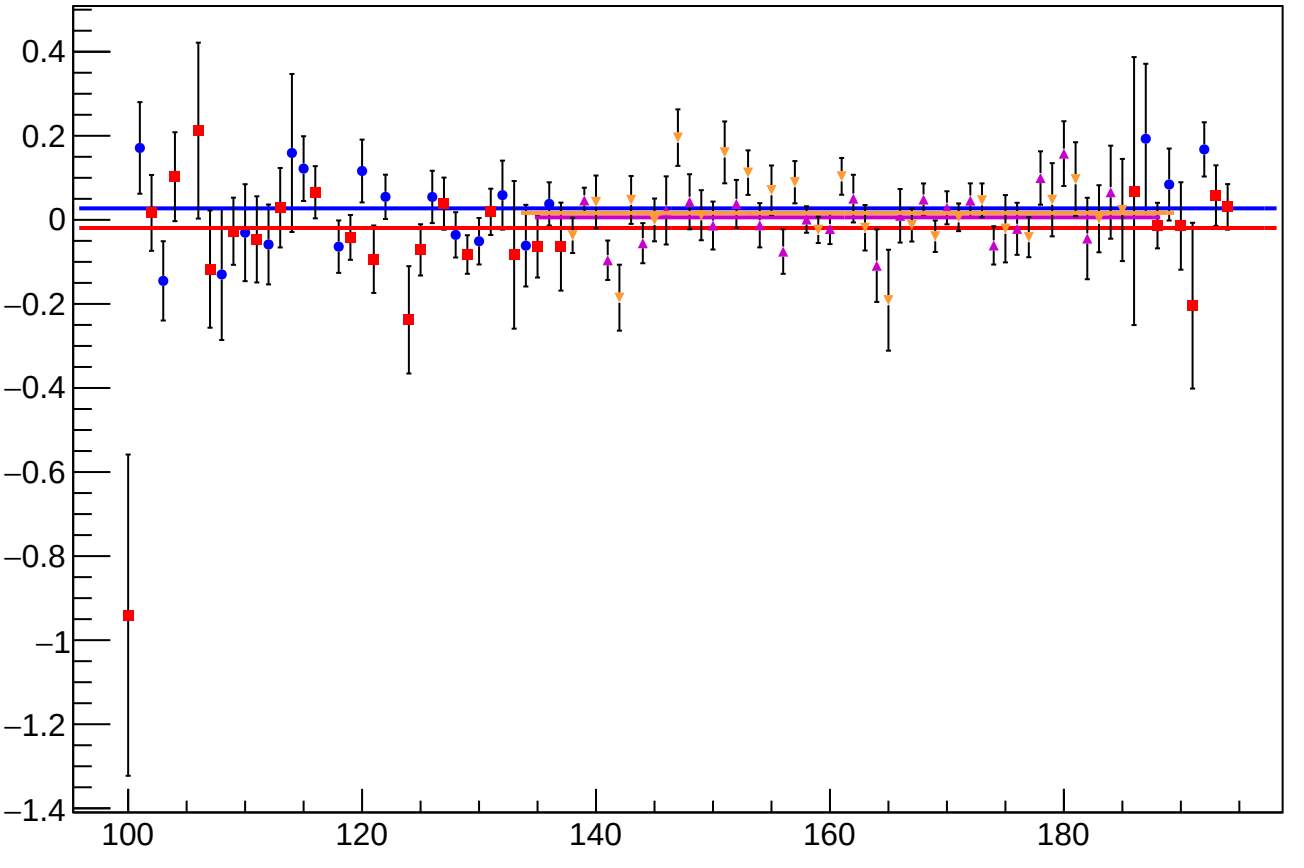
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 47.187+/-0.008 χ^2/NDF: 3930645.6/43

In: 42.620+/-0.006 χ^2/NDF:4348796.3/41

Out: 43.777+/-0.006 χ^2/NDF:5786995.4/49

All: 43.212+/-0.004 χ^2/NDF: 10153403.9/91



Right In: 0.027+/-0.017 χ^2/NDF: 23.6/18

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.019+/-0.016 χ^2/NDF: 22.8/24

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

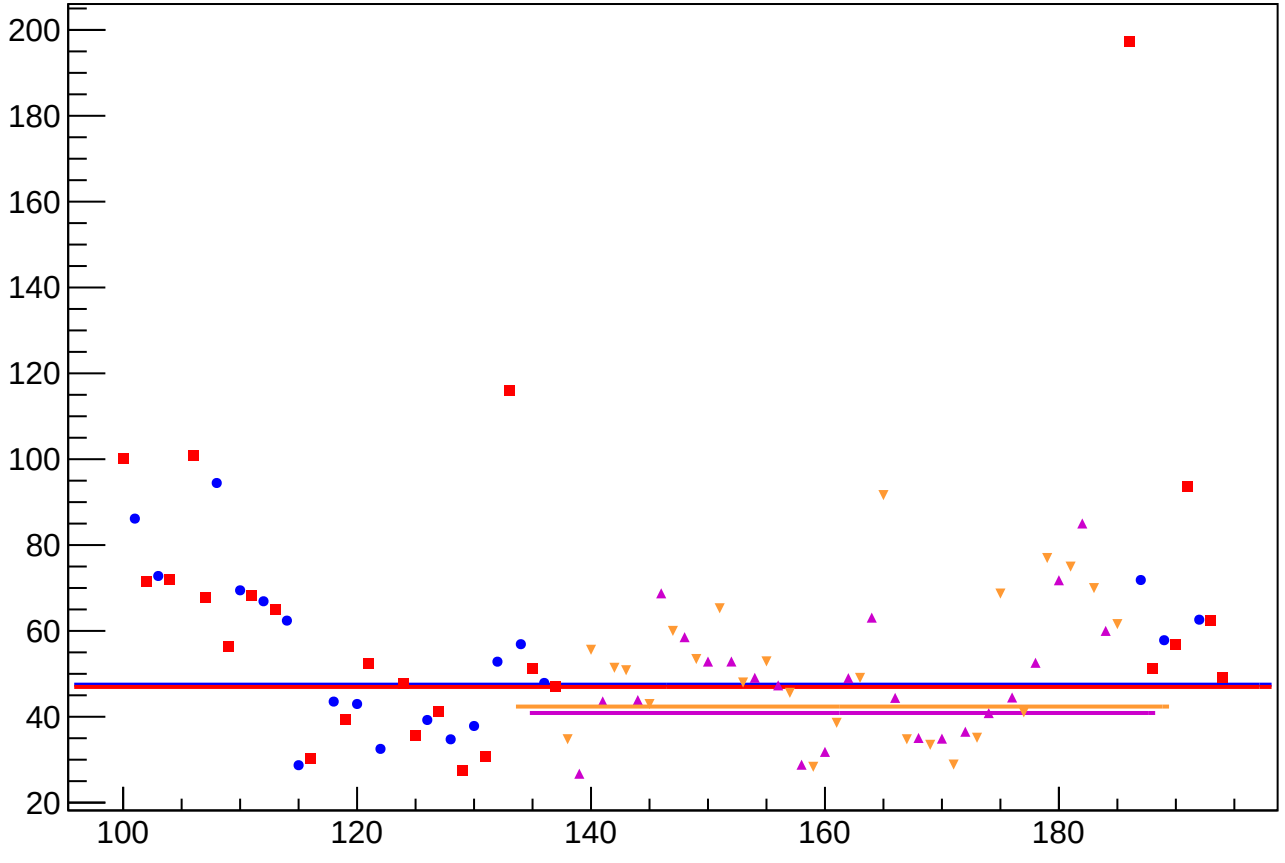
Right: 0.002+/-0.012 χ^2/NDF: 50.5/43

In: 0.012+/-0.009 χ^2/NDF:50.7/41

Out: 0.005+/-0.009 χ^2/NDF:67.6/49

All: 0.008+/-0.006 χ^2/NDF: 118.5/91

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.476+/-0.012 χ^2/NDF: 1453424.5/18

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 46.949+/-0.011 χ^2/NDF: 2476187.8/24

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

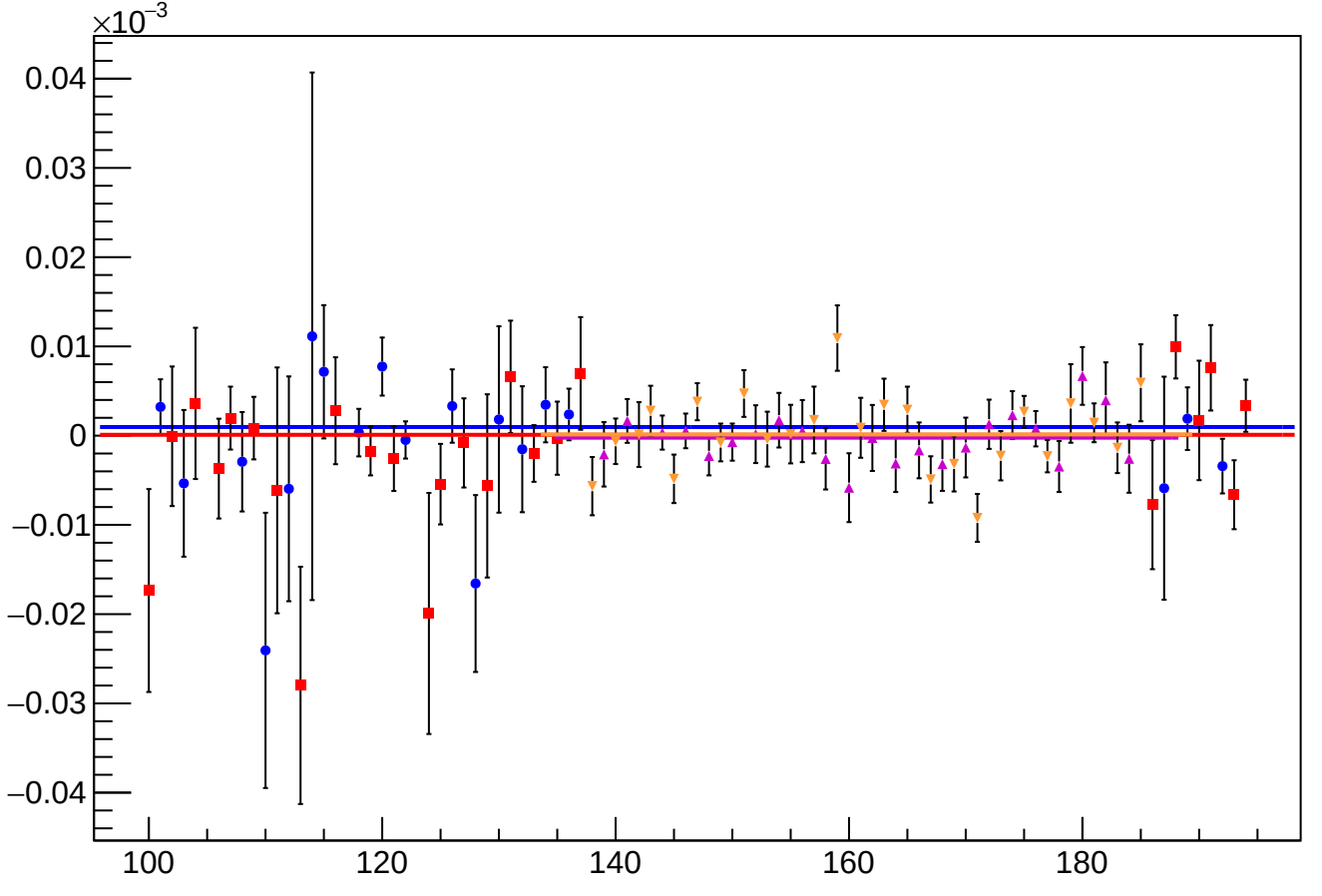
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 47.187+/-0.008 χ^2/NDF: 3930645.6/43

In: 42.620+/-0.006 χ^2/NDF:4348796.3/41

Out: 43.777+/-0.006 χ^2/NDF:5786995.4/49

All: 43.212+/-0.004 χ^2/NDF: 10153403.9/91



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.6/24

Left In: -0.000+/-0.000 χ^2/NDF:15.8/22

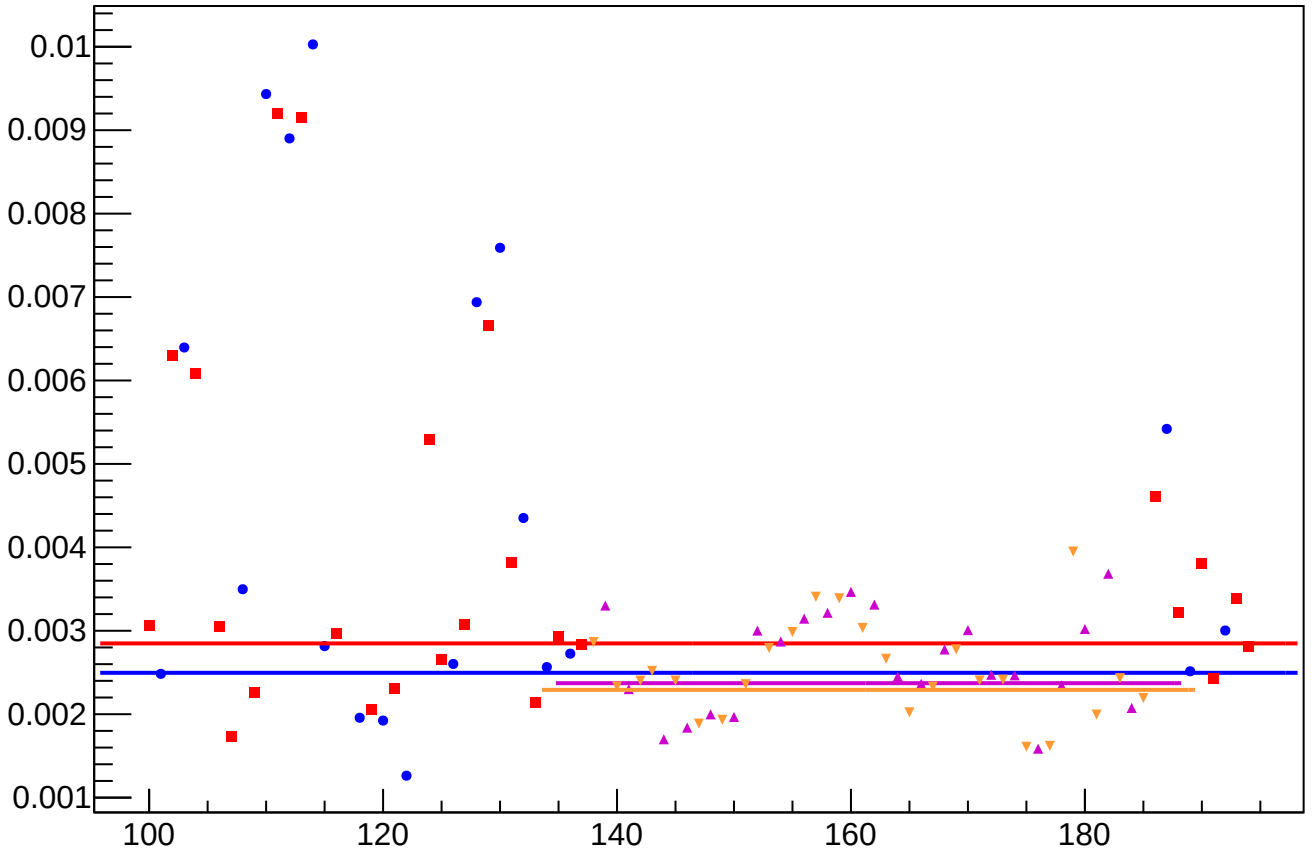
Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

Right: 0.000+/-0.000 χ^2/NDF: 48.8/43

In: 0.000+/-0.000 χ^2/NDF:33.8/41

Out: 0.000+/-0.000 χ^2/NDF:81.5/49

All: 0.000+/-0.000 χ^2/NDF: 115.3/91



Right In: 0.002+/-0.000 χ^2/NDF: 3608413.9/18

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

Right Out: 0.003+/-0.000 χ^2/NDF: 2764330.0/24

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

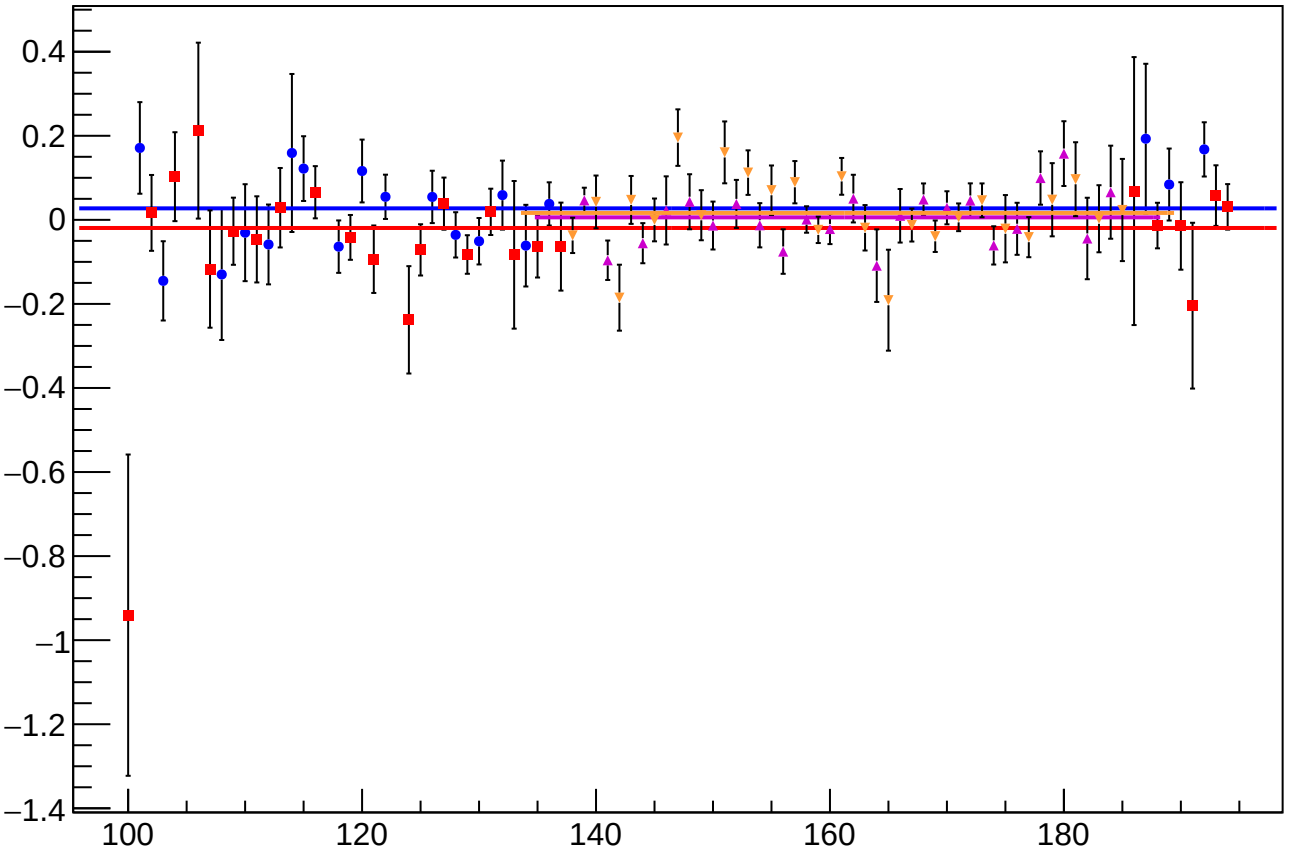
Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

Right: 0.003+/-0.000 χ^2/NDF: 6512772.5/43

In: 0.002+/-0.000 χ^2/NDF:5653838.8/41

Out: 0.002+/-0.000 χ^2/NDF:5116106.0/49

All: 0.002+/-0.000 χ^2/NDF: 10772452.3/91



Right In: 0.027+/-0.017 χ^2/NDF: 23.6/18

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.019+/-0.016 χ^2/NDF: 22.8/24

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

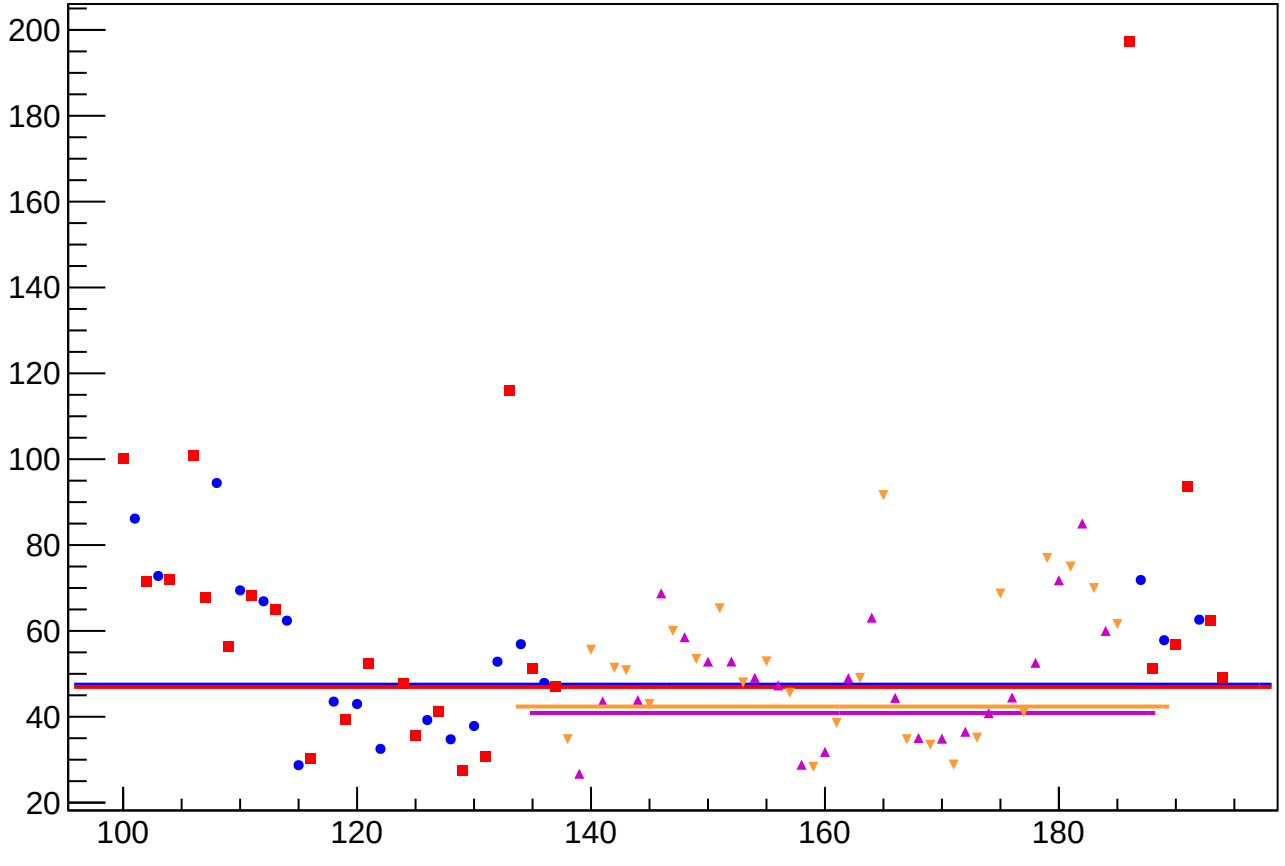
Right: 0.002+/-0.012 χ^2/NDF: 50.5/43

In: 0.012+/-0.009 χ^2/NDF:50.7/41

Out: 0.005+/-0.009 χ^2/NDF:67.6/49

All: 0.008+/-0.006 χ^2/NDF: 118.5/91

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.476+/-0.012 χ^2/NDF: 1453381.0/18

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 46.950+/-0.011 χ^2/NDF: 2476087.6/24

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

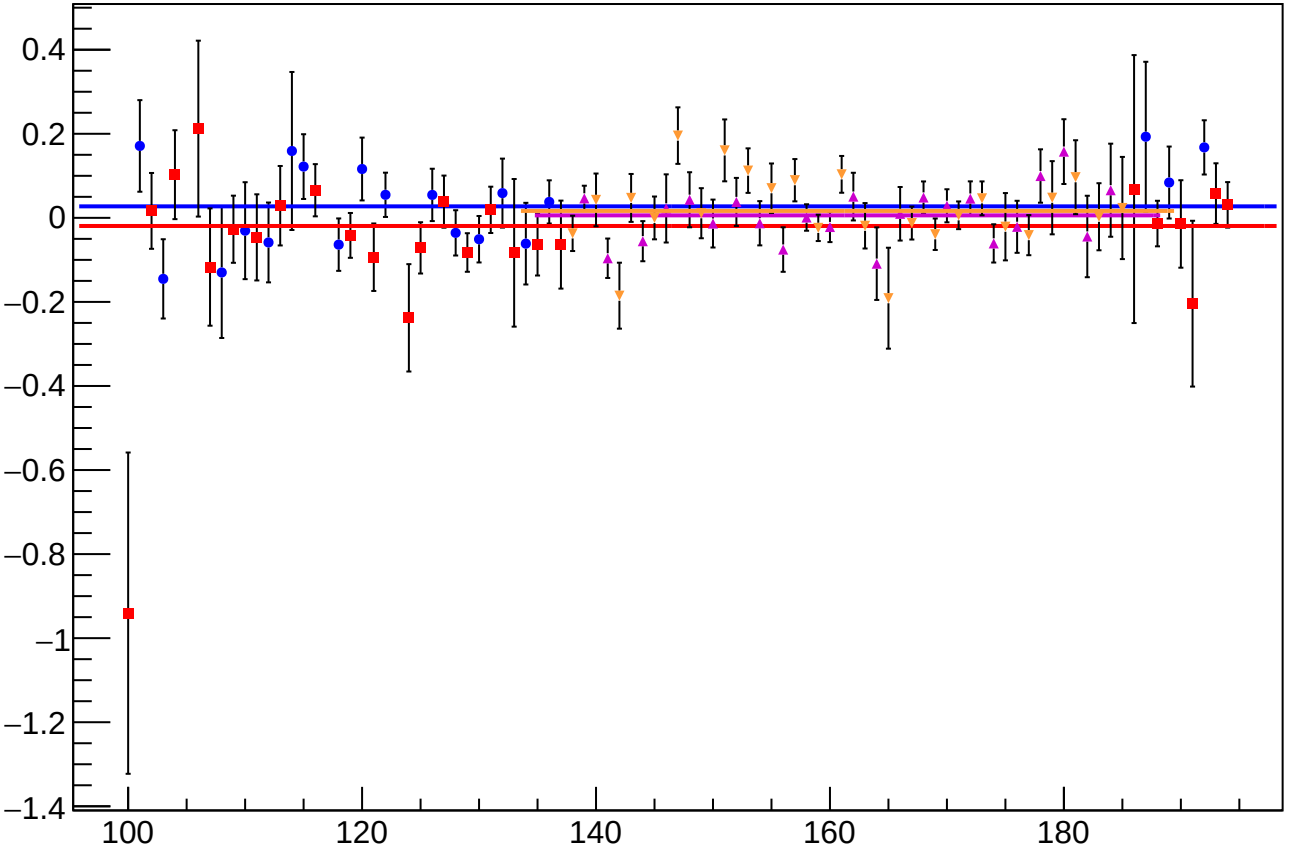
Right: 47.187+/-0.008 χ^2/NDF: 3930500.7/43

In: 42.620+/-0.006 χ^2/NDF:4348746.3/41

Out: 43.778+/-0.006 χ^2/NDF:5786921.3/49

All: 43.213+/-0.004 χ^2/NDF: 10153280.3/91

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.027+/-0.017 χ^2/NDF: 23.6/18

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.019+/-0.016 χ^2/NDF: 22.8/24

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

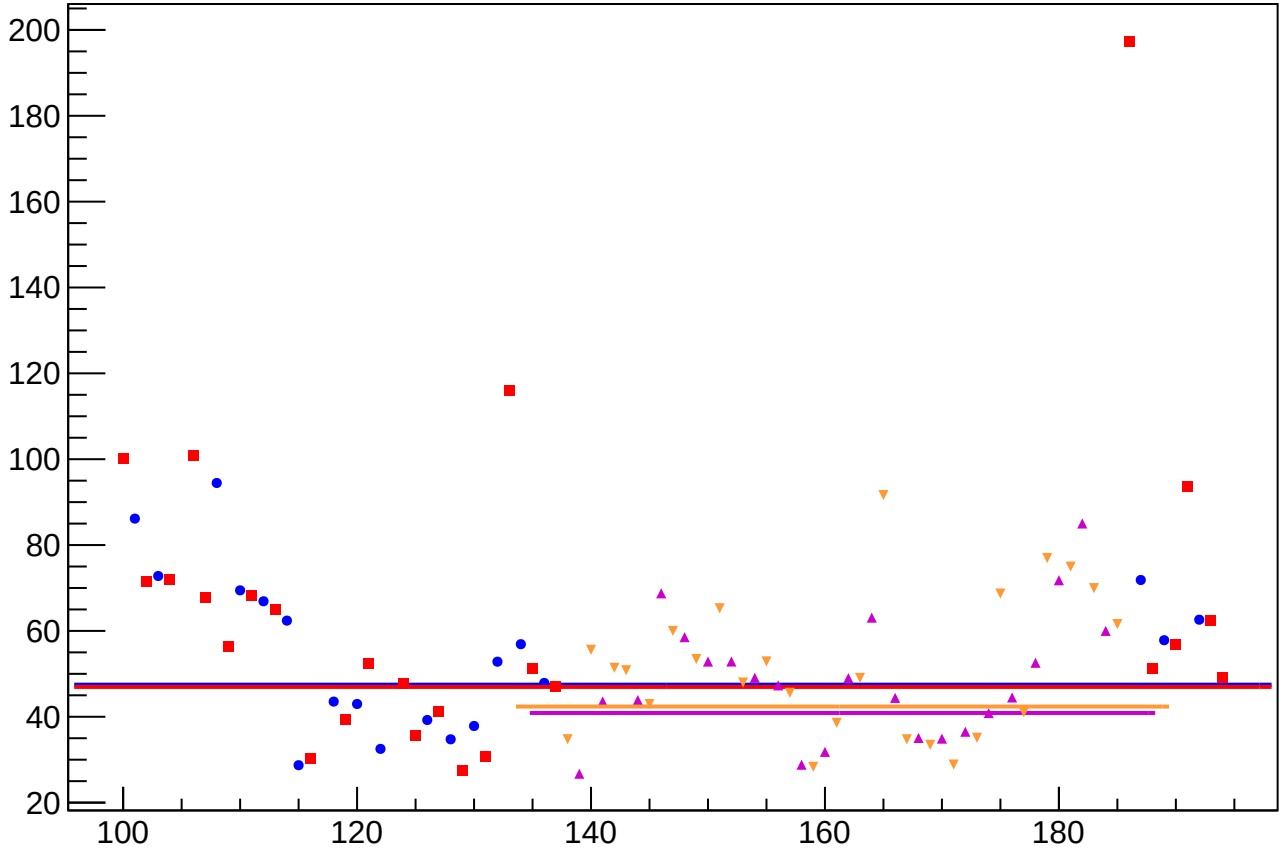
Right: 0.002+/-0.012 χ^2/NDF: 50.5/43

In: 0.012+/-0.009 χ^2/NDF:50.7/41

Out: 0.005+/-0.009 χ^2/NDF:67.6/49

All: 0.008+/-0.006 χ^2/NDF: 118.5/91

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.476+/-0.012 χ^2/NDF: 1453381.0/18

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 46.950+/-0.011 χ^2/NDF: 2476087.6/24

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

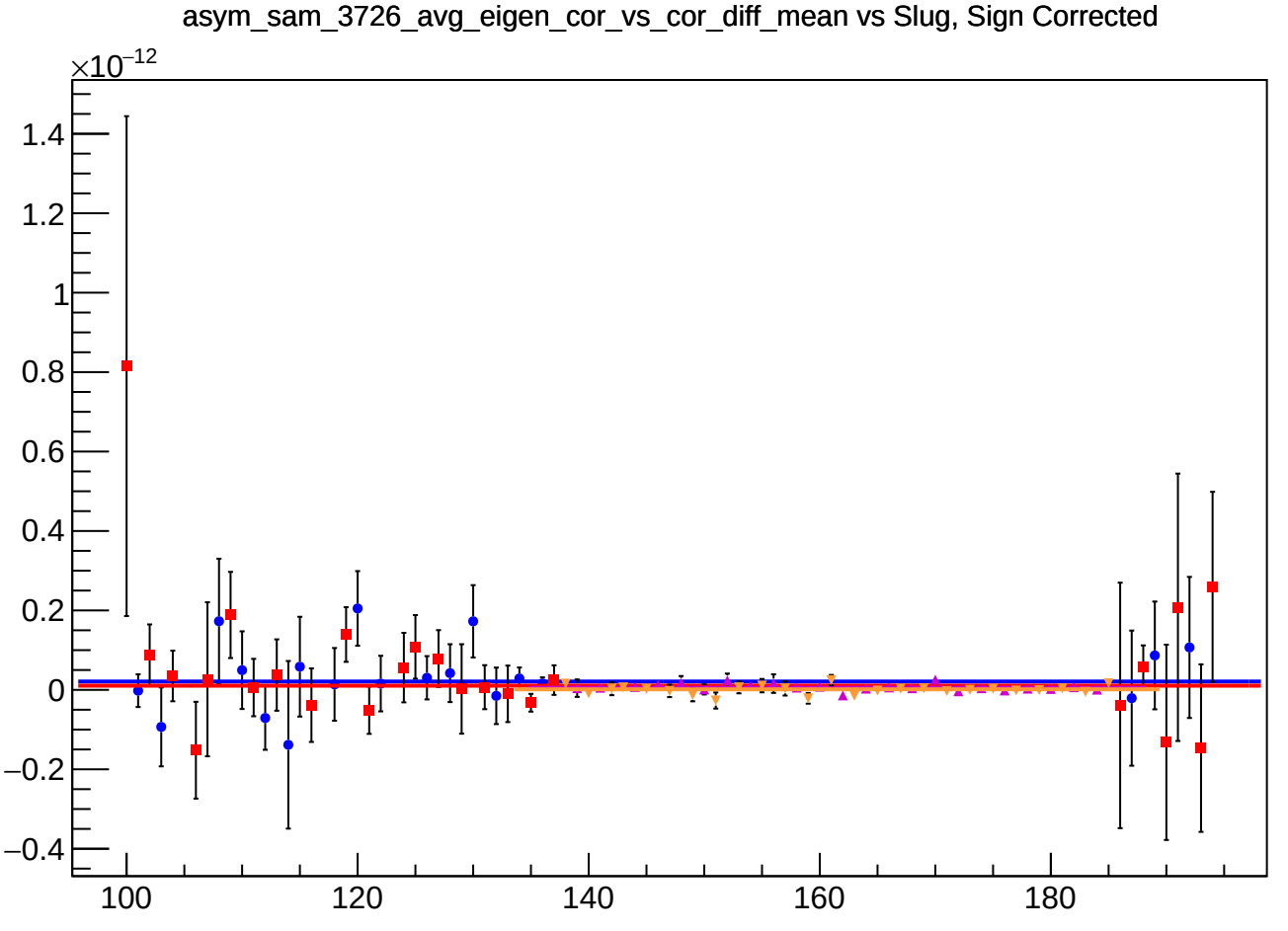
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

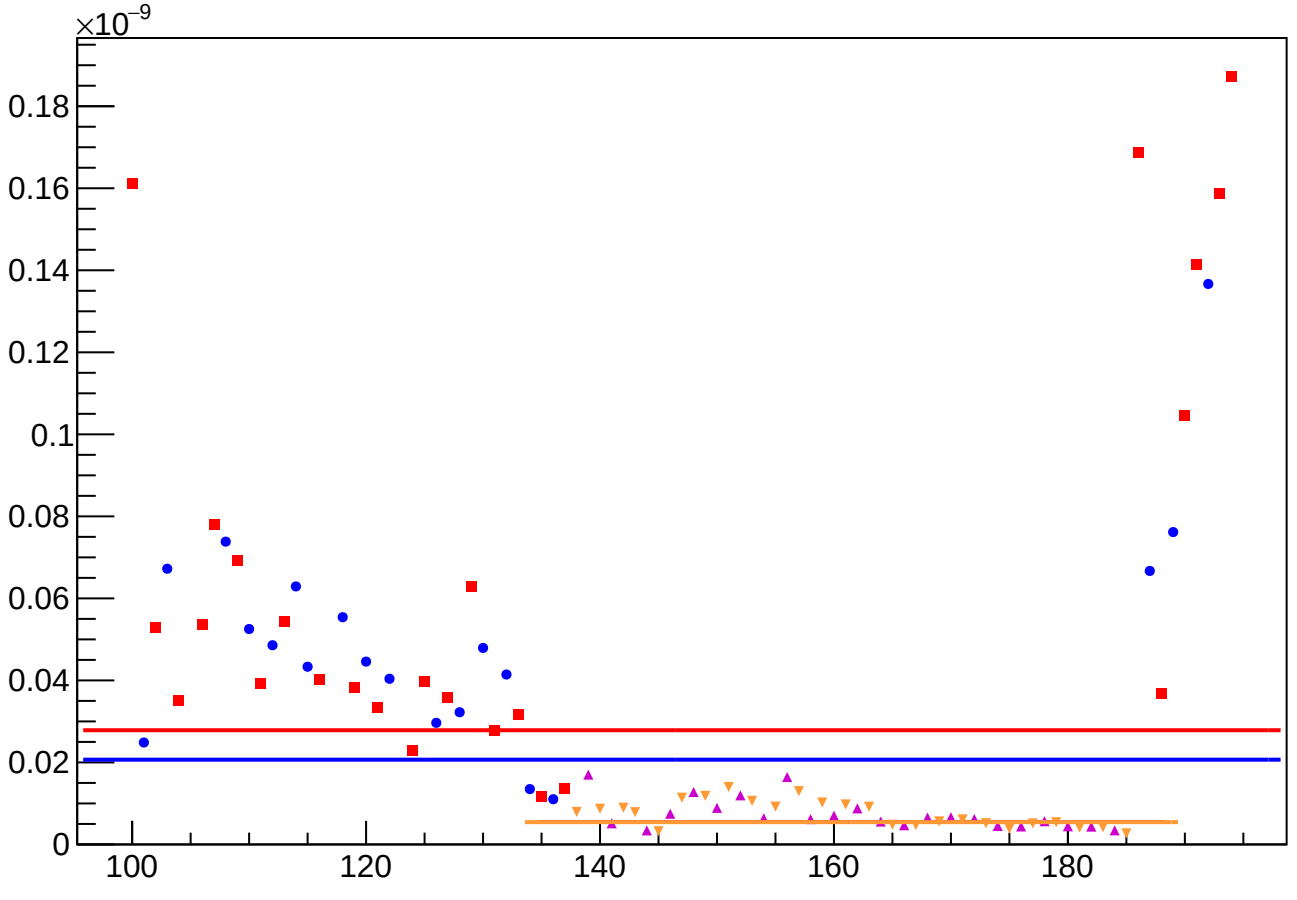
Right: 47.187+/-0.008 χ^2/NDF: 3930500.7/43

In: 42.620+/-0.006 χ^2/NDF:4348746.3/41

Out: 43.778+/-0.006 χ^2/NDF:5786921.3/49

All: 43.213+/-0.004 χ^2/NDF: 10153280.3/91


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 12.3/18
Left Out: 0.000+/-0.000 χ²/NDF:19.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 21.9/24
Left In: 0.000+/-0.000 χ²/NDF:13.2/22
Left: 0.000+/-0.000 χ²/NDF: 35.1/47
Right: 0.000+/-0.000 χ²/NDF: 34.6/43
In: 0.000+/-0.000 χ²/NDF:27.5/41
Out: 0.000+/-0.000 χ²/NDF:42.0/49
All: 0.000+/-0.000 χ²/NDF: 72.1/91



Right In: 0.000+/-0.000 χ^2/NDF: 4592431.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5310326.0/24

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

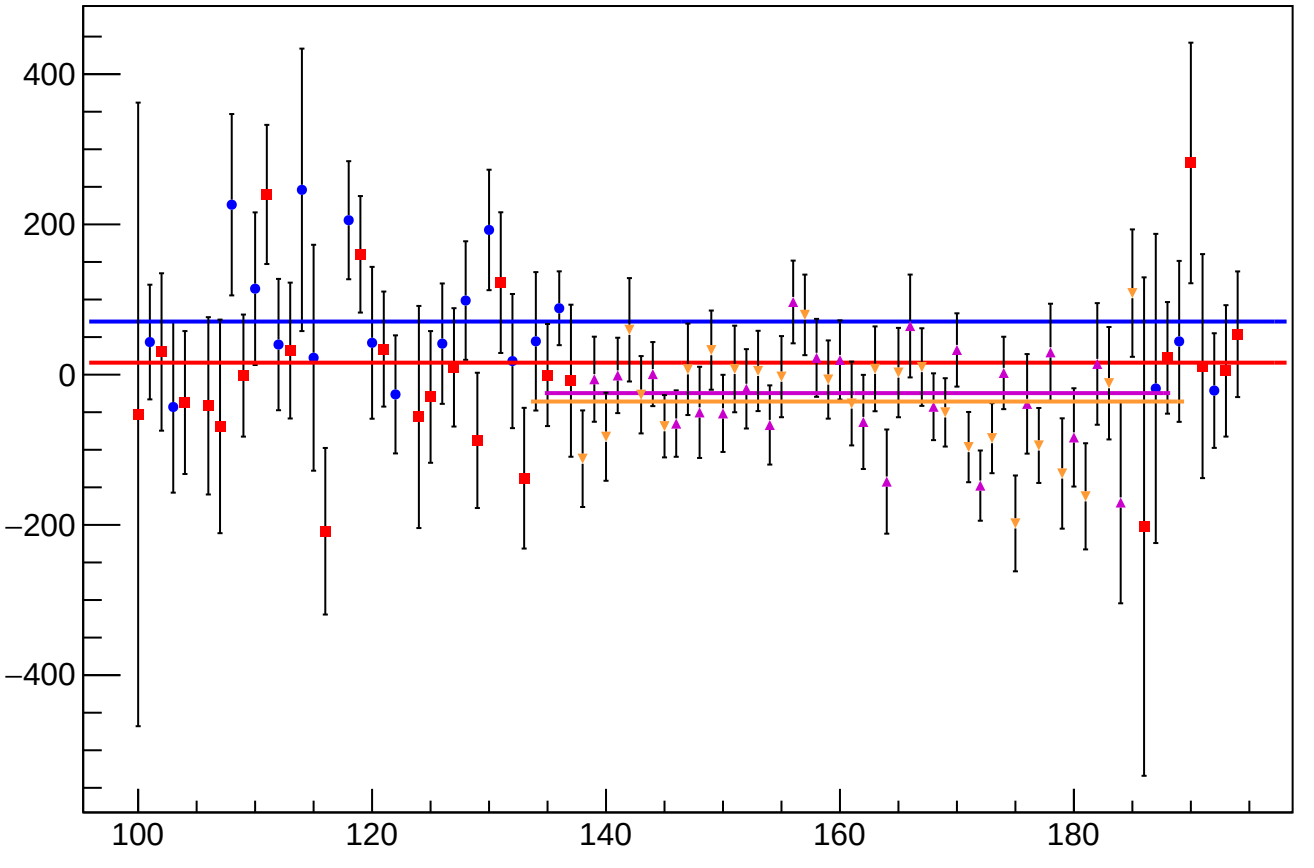
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 10249183.4/43

In: 0.000+/-0.000 χ^2/NDF:11049415.0/41

Out: 0.000+/-0.000 χ^2/NDF:14757440.8/49

All: 0.000+/-0.000 χ^2/NDF: 25807385.5/91



Right In: 70.684+/-20.199 χ^2/NDF: 13.4/18

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: 15.952+/-19.289 χ^2/NDF: 23.8/24

Left In: -24.572+/-11.471 χ^2/NDF:25.7/22

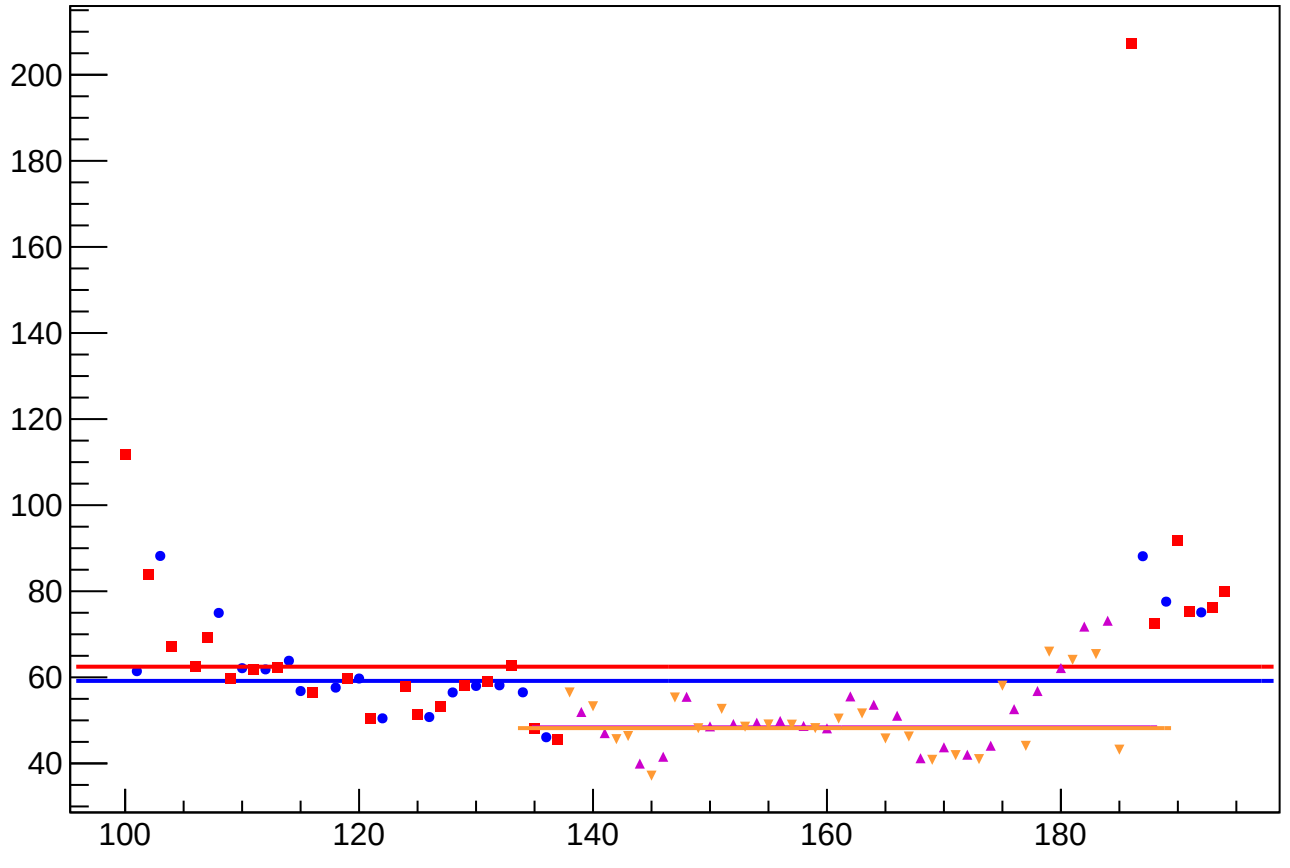
Left: -30.354+/-7.984 χ^2/NDF: 59.9/47

Right: 42.057+/-13.950 χ^2/NDF: 41.1/43

In: -1.342+/-9.975 χ^2/NDF:56.0/41

Out: -22.881+/-9.633 χ^2/NDF:62.9/49

All: -12.487+/-6.929 χ^2/NDF: 121.3/91



Right In: 59.171+/-0.014 χ^2/NDF: 550685.8/18

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 62.472+/-0.014 χ^2/NDF: 1031034.0/24

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

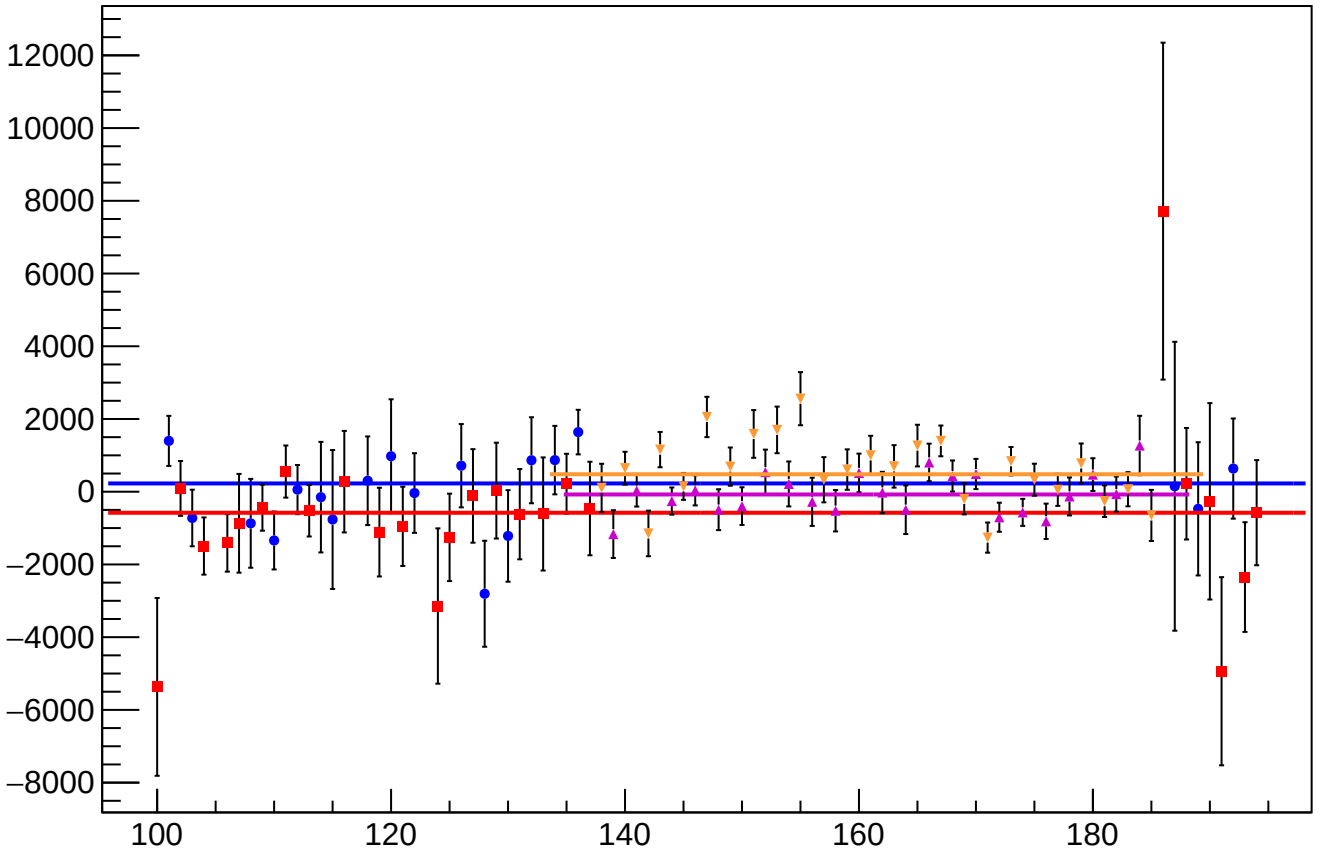
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 60.897+/-0.010 χ^2/NDF: 1609655.1/43

In: 51.012+/-0.007 χ^2/NDF:1677624.4/41

Out: 51.759+/-0.007 χ^2/NDF:2633318.0/49

All: 51.398+/-0.005 χ^2/NDF: 4316739.9/91



Right In: 227.650+/-235.220 χ^2/NDF: 21.9/18

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: -578.773+/-218.002 χ^2/NDF: 21.1/24

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

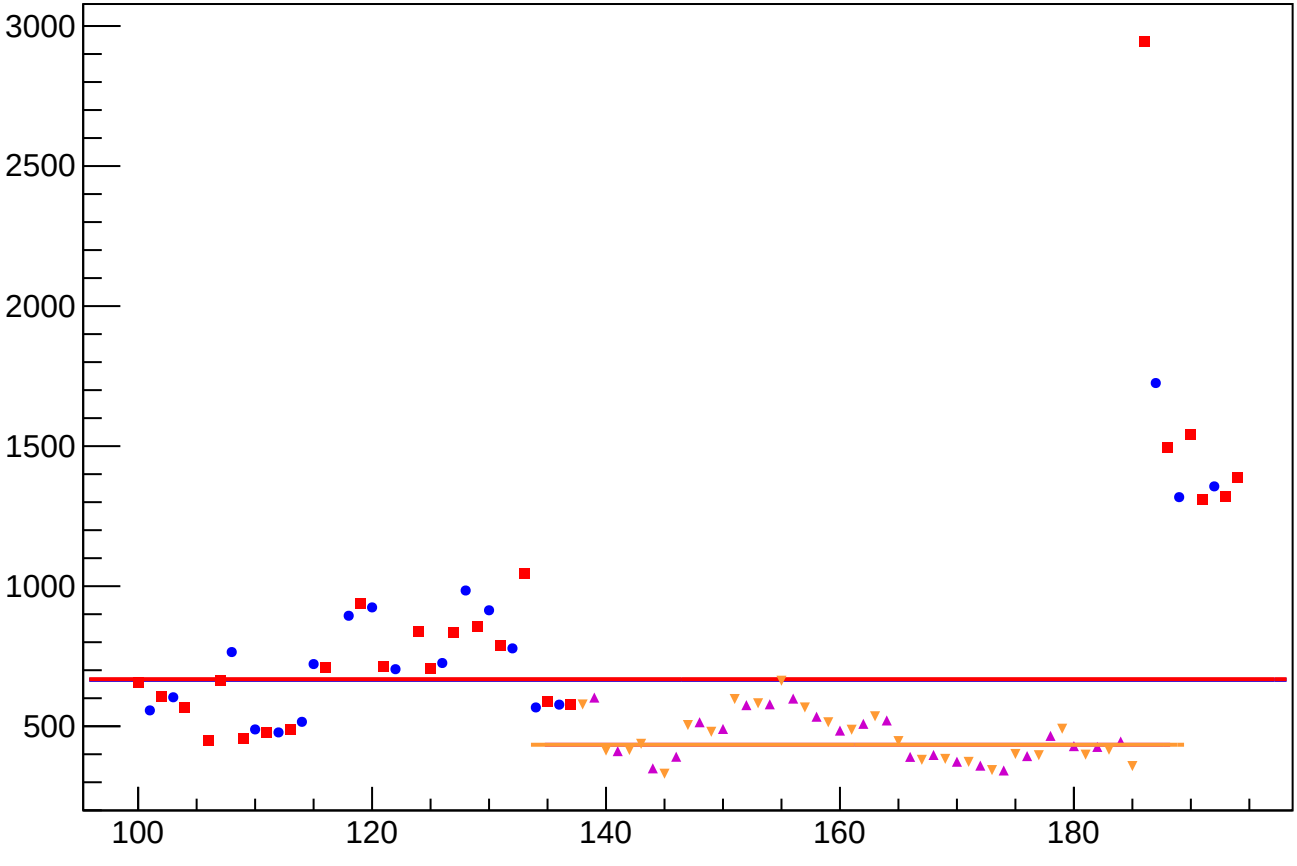
Right: -206.153+/-159.892 χ^2/NDF: 49.3/43

In: -26.759+/-94.449 χ^2/NDF:47.7/41

Out: 294.523+/-91.288 χ^2/NDF:109.8/49

All: 139.350+/-65.639 χ^2/NDF: 163.5/91

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 665.513+/-0.166 χ^2/NDF: 1637643.0/18

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 667.957+/-0.154 χ^2/NDF: 3317174.1/24

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

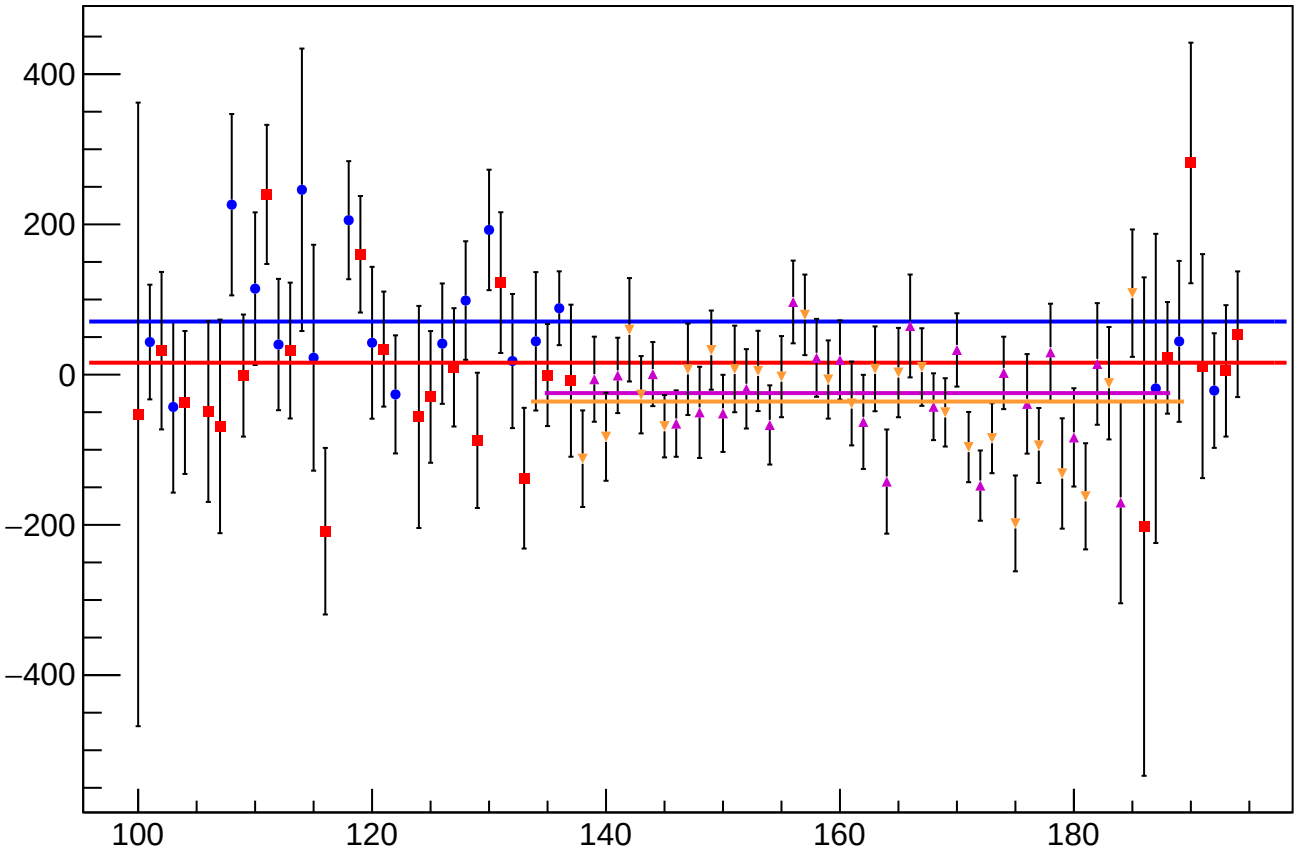
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 666.828+/-0.113 χ^2/NDF: 4954933.3/43

In: 471.094+/-0.067 χ^2/NDF:4361423.0/41

Out: 474.979+/-0.065 χ^2/NDF:6461324.1/49

All: 473.102+/-0.046 χ^2/NDF: 10824496.7/91



Right In: 70.688+/-20.199 χ^2/NDF: 13.4/18

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 15.870+/-19.298 χ^2/NDF: 23.9/24

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

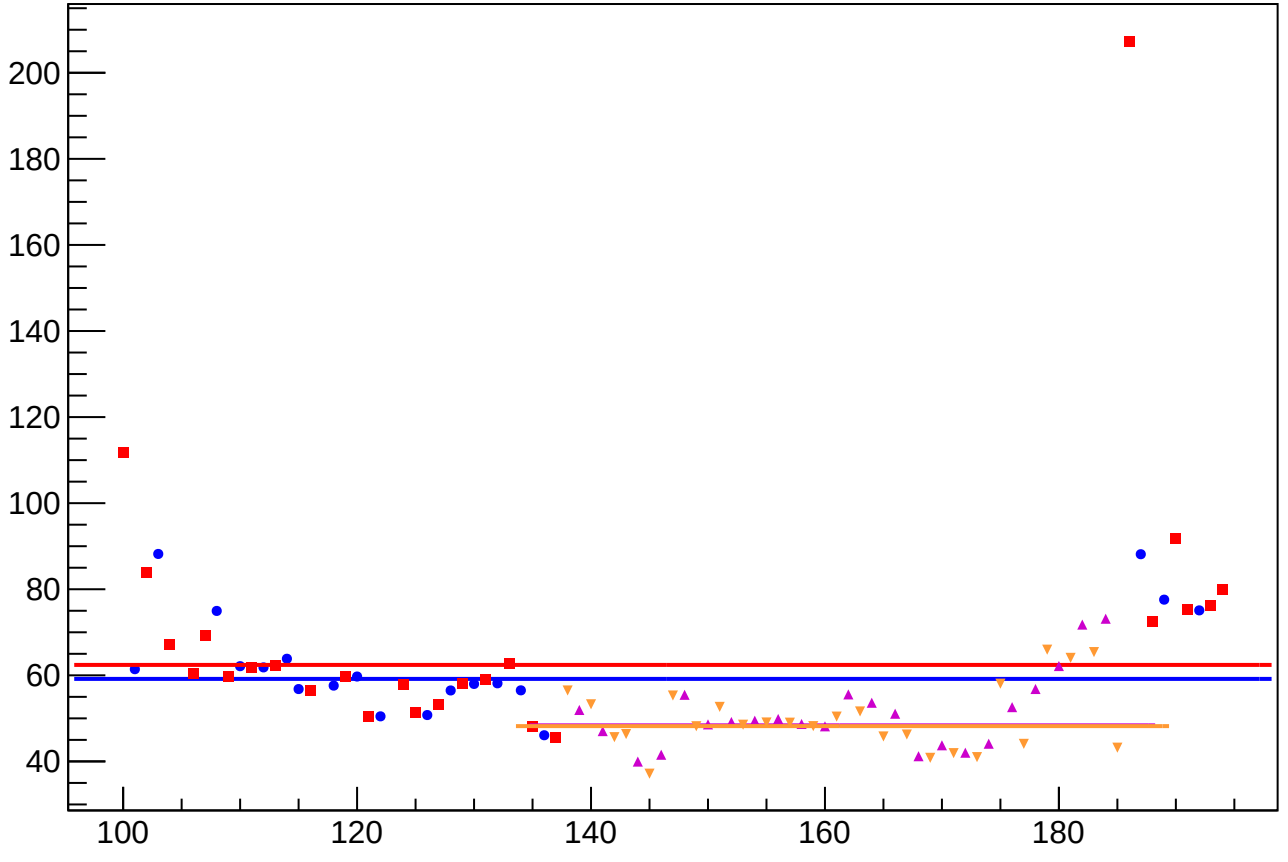
Right: 42.030+/-13.953 χ^2/NDF: 41.2/43

In: -1.342+/-9.975 χ^2/NDF:56.0/41

Out: -22.916+/-9.635 χ^2/NDF:63.0/49

All: -12.503+/-6.930 χ^2/NDF: 121.4/91

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 59.171+/-0.014 χ^2/NDF: 550689.4/18

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 62.420+/-0.014 χ^2/NDF: 1031813.4/24

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

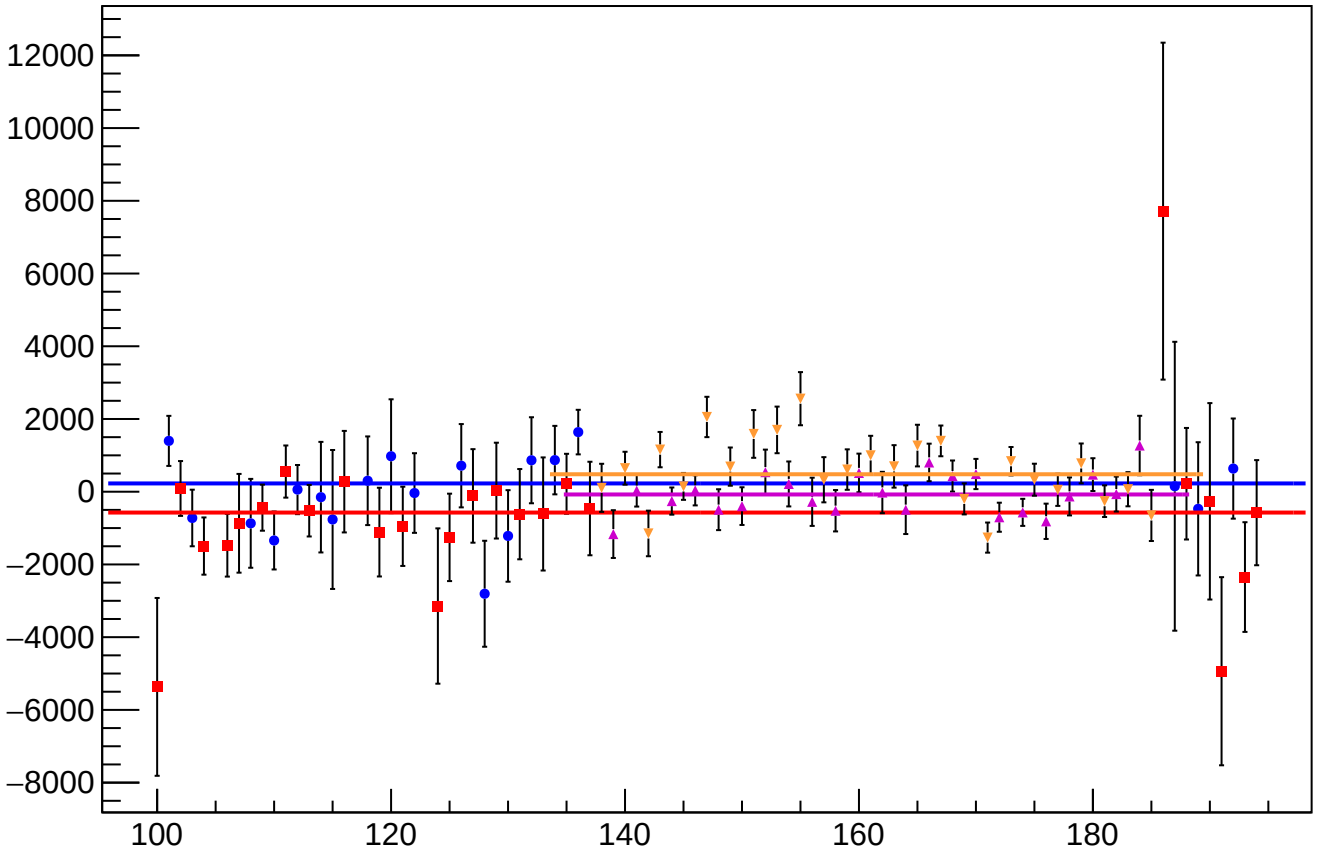
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 60.869+/-0.010 χ^2/NDF: 1609552.1/43

In: 51.012+/-0.007 χ^2/NDF:1677628.4/41

Out: 51.743+/-0.007 χ^2/NDF:2627507.1/49

All: 51.390+/-0.005 χ^2/NDF: 4310692.1/91



Right In: 227.686+/-235.222 χ^2/NDF: 21.9/18

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -573.074+/-219.336 χ^2/NDF: 21.1/24

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

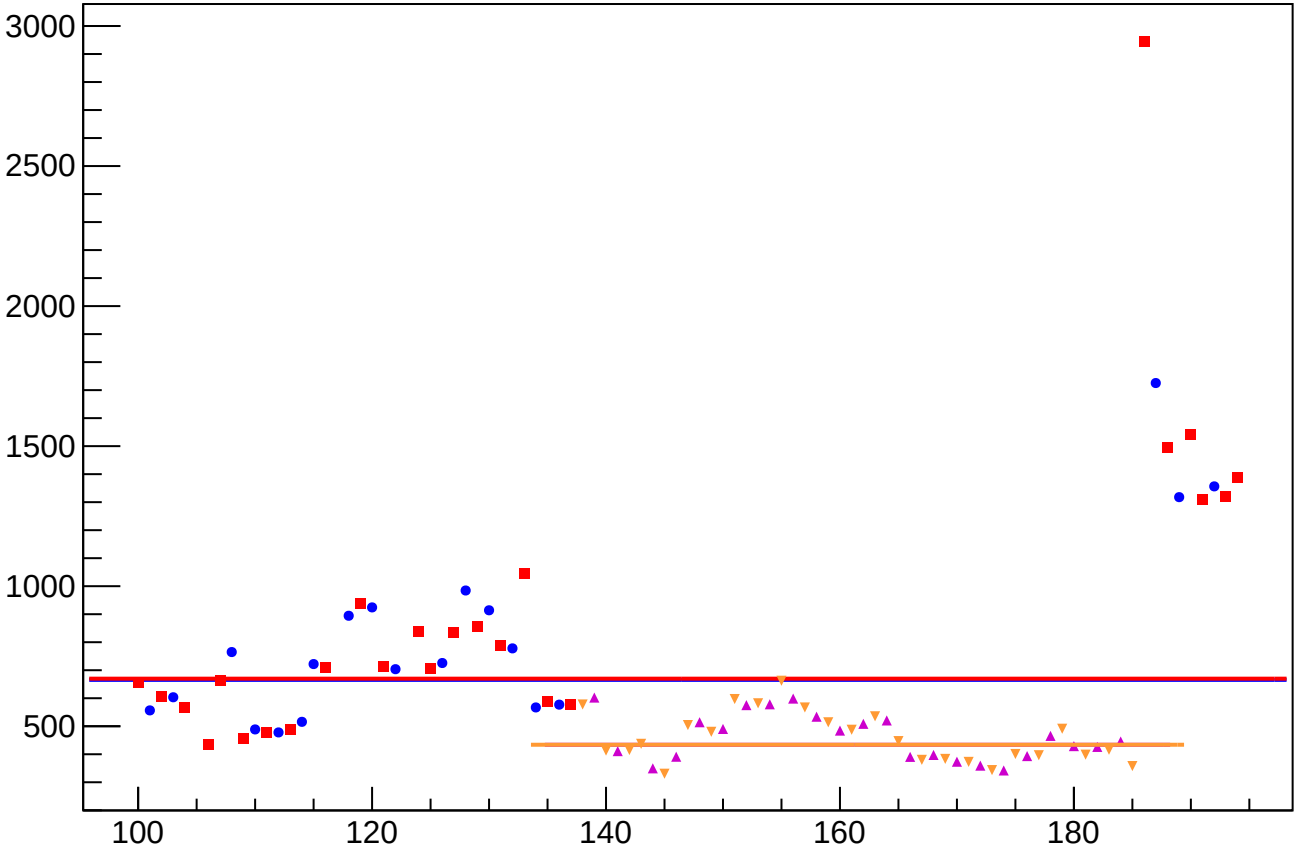
Right: -200.645+/-160.416 χ^2/NDF: 49.1/43

In: -26.756+/-94.449 χ^2/NDF:47.7/41

Out: 297.369+/-91.385 χ^2/NDF:109.3/49

All: 140.650+/-65.676 χ^2/NDF: 163.2/91

asym_sam_15_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 665.518+/-0.166 χ^2/NDF: 1637622.6/18

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 669.821+/-0.155 χ^2/NDF: 3308386.3/24

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

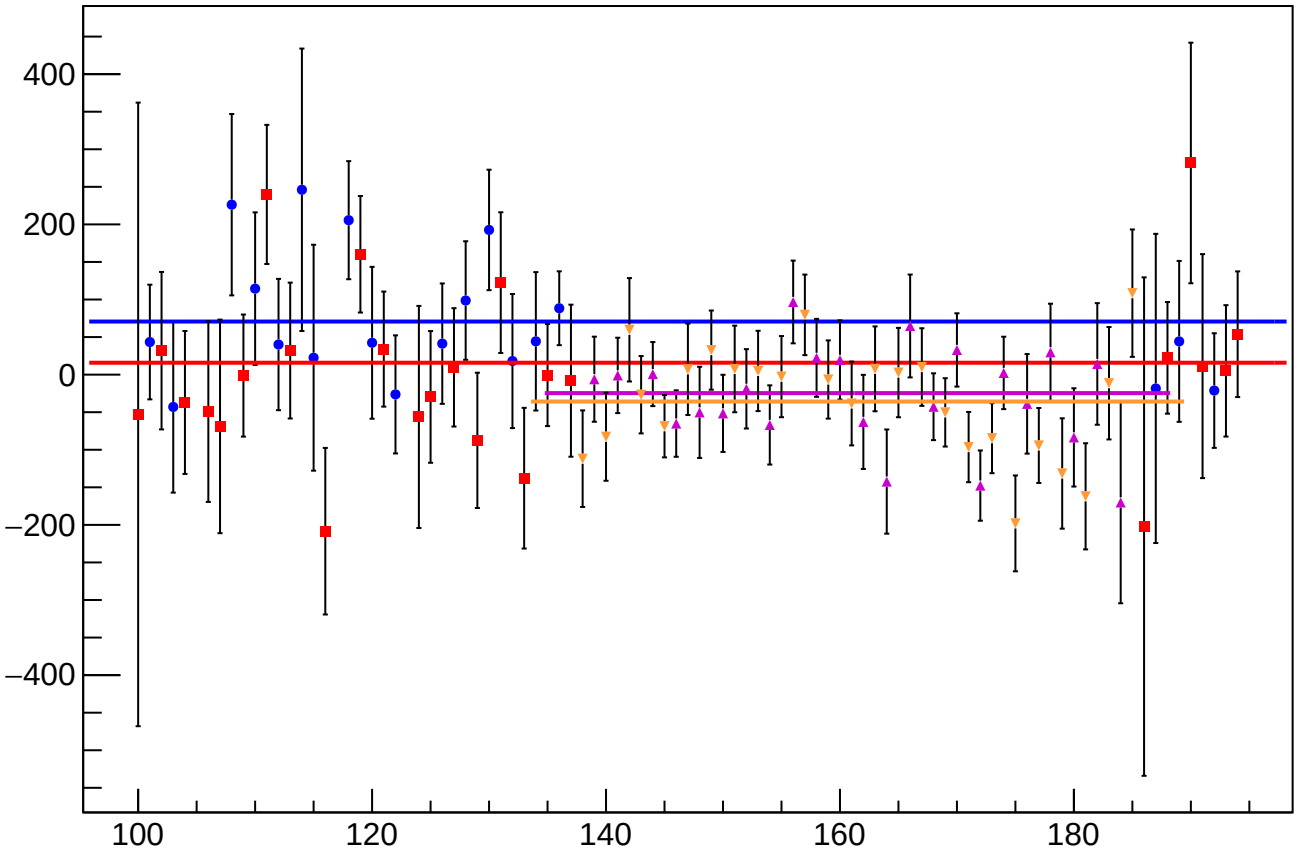
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 667.820+/-0.113 χ^2/NDF: 4946366.8/43

In: 471.094+/-0.067 χ^2/NDF:4361451.8/41

Out: 474.891+/-0.065 χ^2/NDF:6463573.4/49

All: 473.055+/-0.046 χ^2/NDF: 10826694.6/91



Right In: 70.688+/-20.199 χ^2/NDF: 13.4/18

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 15.870+/-19.298 χ^2/NDF: 23.9/24

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

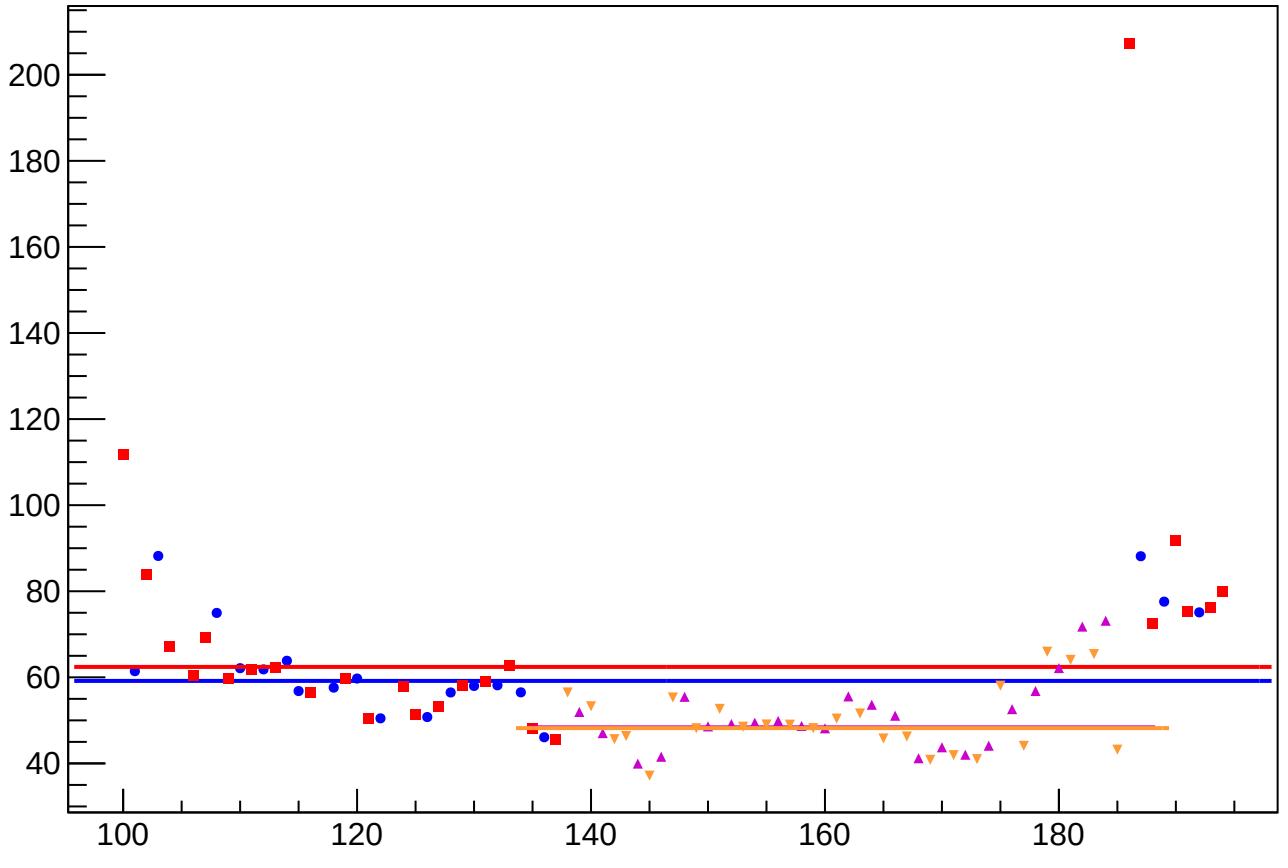
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 42.030+/-13.953 χ^2/NDF: 41.2/43

In: -1.342+/-9.975 χ^2/NDF:56.0/41

Out: -22.916+/-9.635 χ^2/NDF:63.0/49

All: -12.503+/-6.930 χ^2/NDF: 121.4/91



Right In: 59.171+/-0.014 χ^2/NDF: 550689.4/18

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 62.420+/-0.014 χ^2/NDF: 1031813.4/24

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

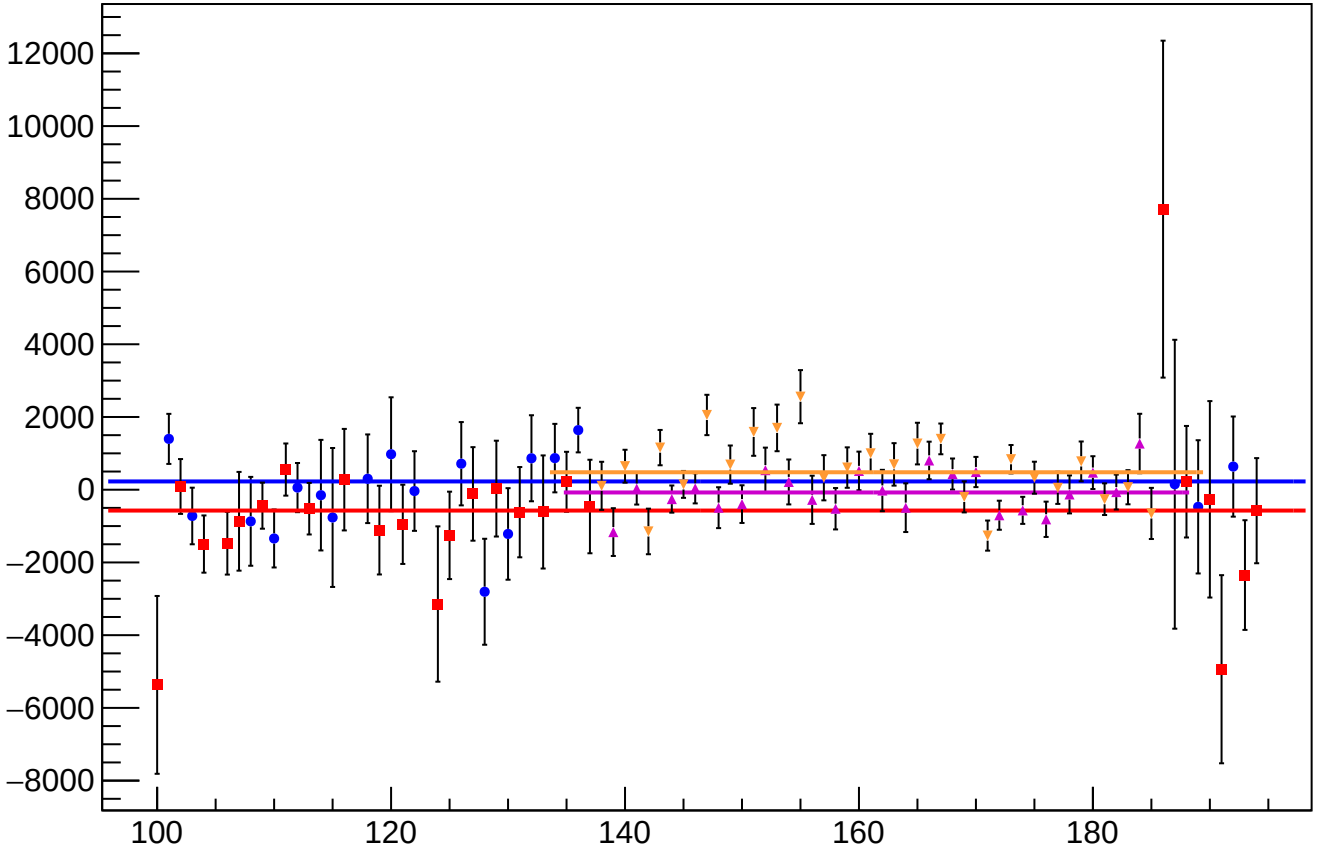
Right: 60.869+/-0.010 χ^2/NDF: 1609552.1/43

In: 51.012+/-0.007 χ^2/NDF:1677628.4/41

Out: 51.743+/-0.007 χ^2/NDF:2627507.1/49

All: 51.390+/-0.005 χ^2/NDF: 4310692.1/91

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 227.686+/-235.222 χ^2/NDF: 21.9/18

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -573.074+/-219.336 χ^2/NDF: 21.1/24

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

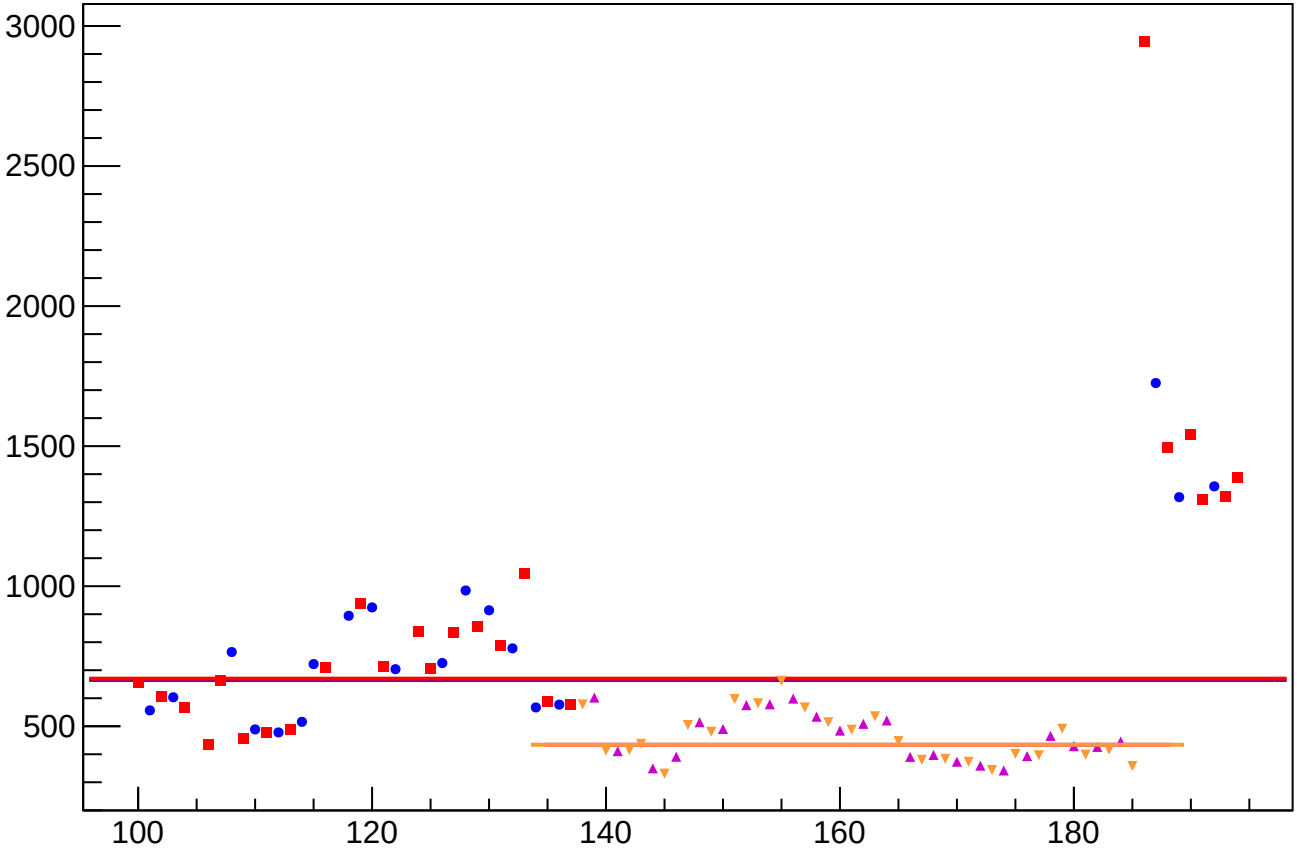
Right: -200.645+/-160.416 χ^2/NDF: 49.1/43

In: -26.756+/-94.449 χ^2/NDF:47.7/41

Out: 297.369+/-91.385 χ^2/NDF:109.3/49

All: 140.650+/-65.676 χ^2/NDF: 163.2/91

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 665.518+/-0.166 χ^2/NDF: 1637622.6/18

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 669.821+/-0.155 χ^2/NDF: 3308386.3/24

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

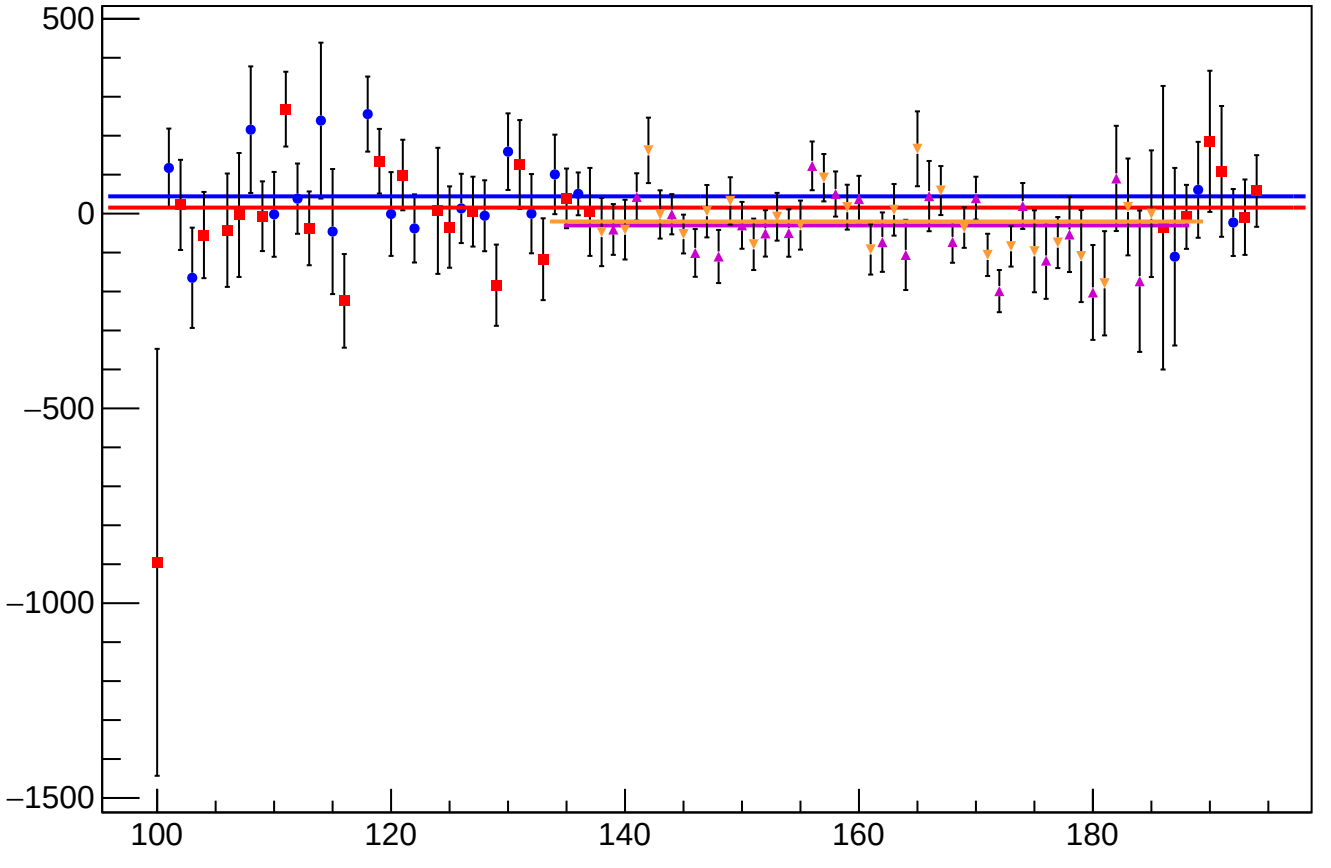
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 667.820+/-0.113 χ^2/NDF: 4946366.8/43

In: 471.094+/-0.067 χ^2/NDF:4361451.8/41

Out: 474.891+/-0.065 χ^2/NDF:6463573.4/49

All: 473.055+/-0.046 χ^2/NDF: 10826694.6/91



Right In: 44.278+/-23.016 χ^2/NDF: 15.0/18

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: 15.401+/-21.633 χ^2/NDF: 25.6/24

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

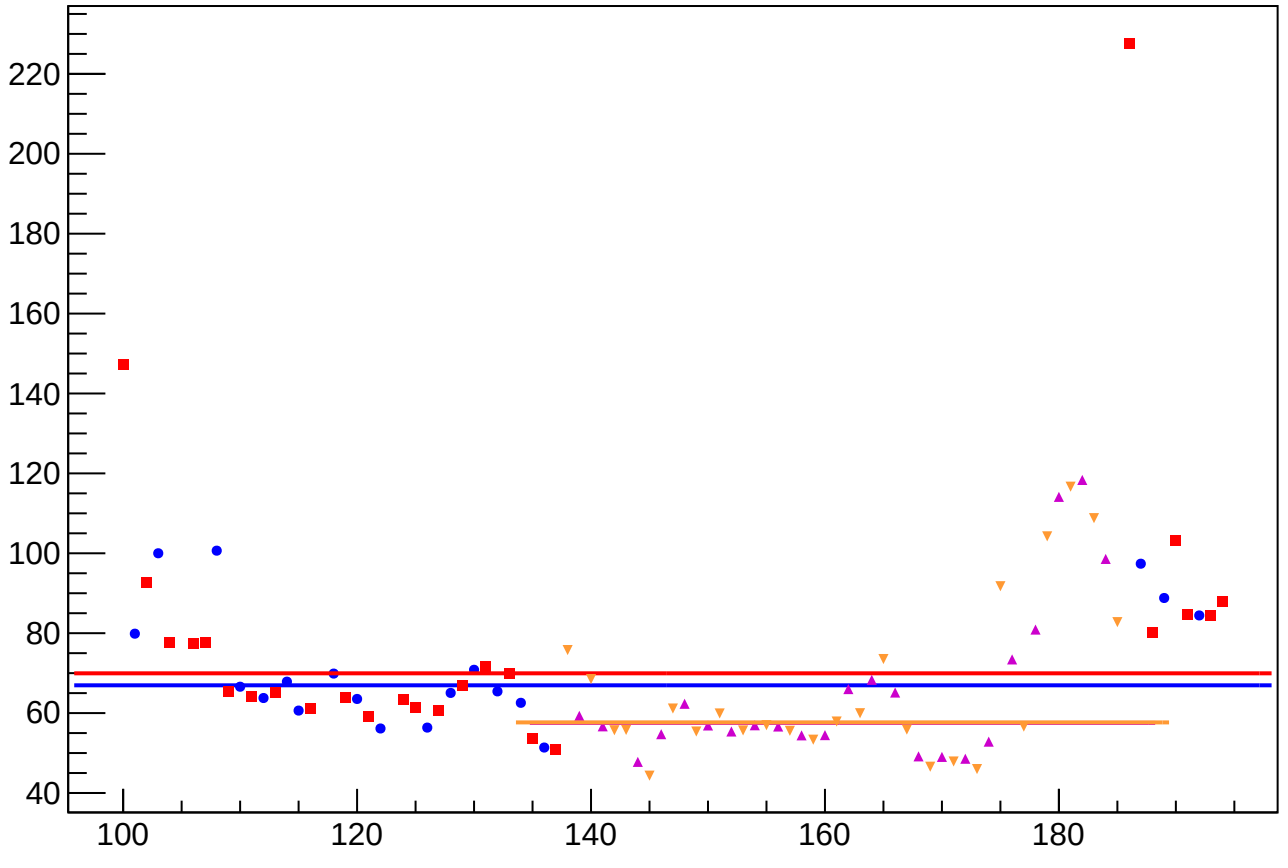
Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

Right: 28.946+/-15.763 χ^2/NDF: 41.4/43

In: -10.216+/-11.948 χ^2/NDF:55.2/41

Out: -10.126+/-11.536 χ^2/NDF:52.7/49

All: -10.170+/-8.299 χ^2/NDF: 107.9/91



Right In: 66.955+/-0.016 χ^2/NDF: 669722.6/18

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 69.956+/-0.015 χ^2/NDF: 1002426.4/24

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

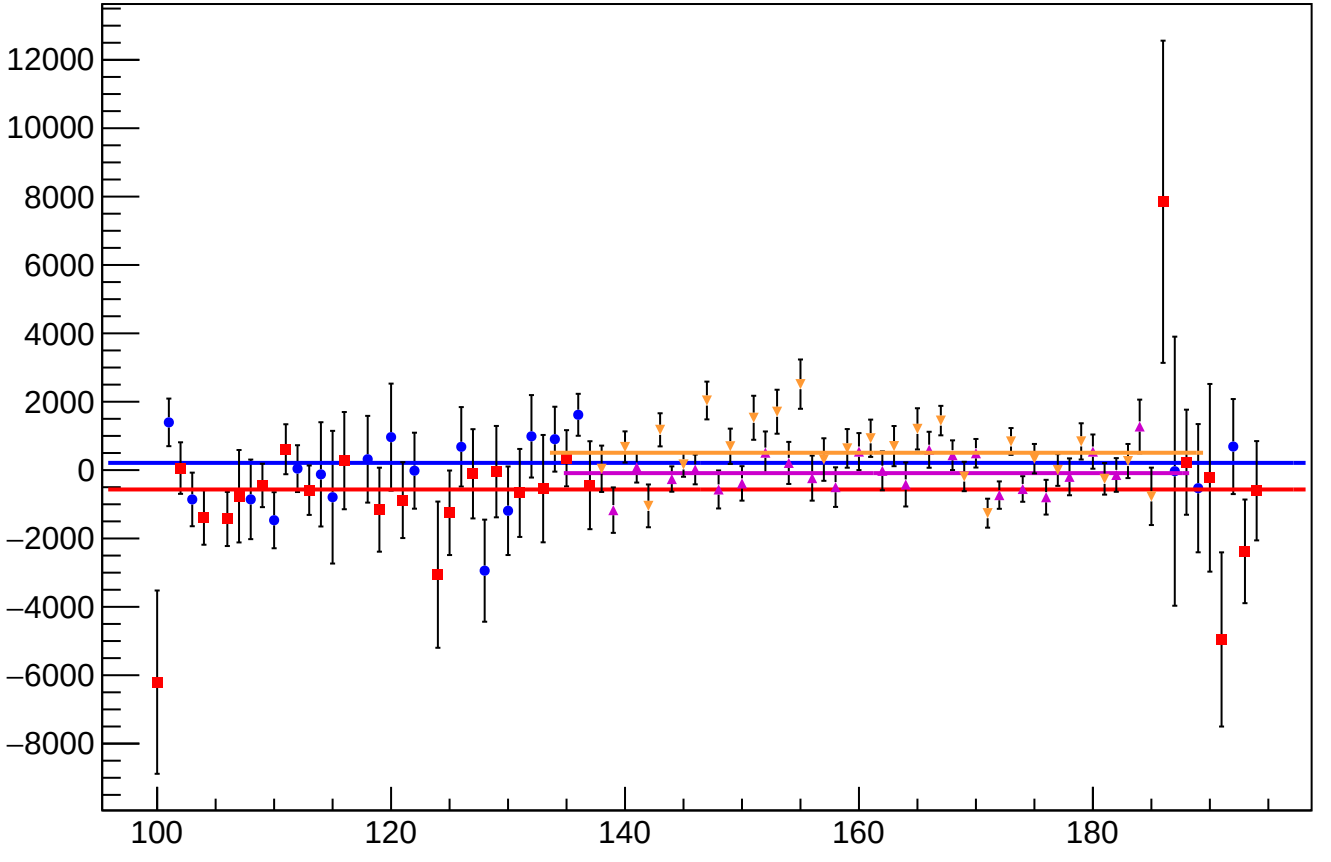
Right: 68.548+/-0.011 χ^2/NDF: 1690207.1/43

In: 60.077+/-0.008 χ^2/NDF:2357497.8/41

Out: 61.162+/-0.008 χ^2/NDF:3373976.5/49

All: 60.639+/-0.006 χ^2/NDF: 5740023.4/91

asym_sam_15_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 211.259+/-237.753 χ^2/NDF: 22.7/18

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: -566.632+/-220.213 χ^2/NDF: 21.7/24

Left In: -88.471+/-104.542 χ^2/NDF:23.3/22

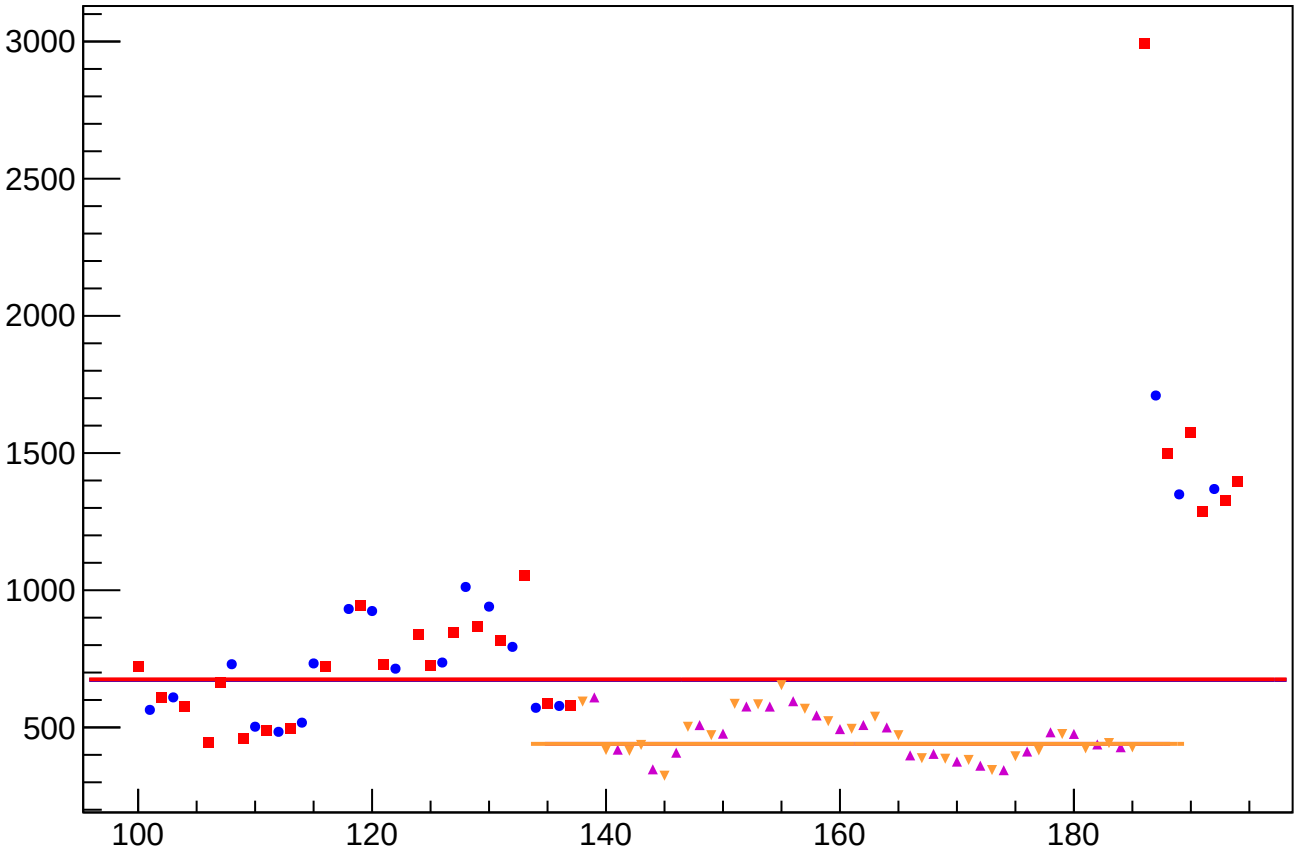
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -207.435+/-161.559 χ^2/NDF: 50.2/43

In: -39.910+/-95.699 χ^2/NDF:47.3/41

Out: 318.174+/-92.386 χ^2/NDF:107.1/49

All: 145.436+/-66.467 χ^2/NDF: 161.7/91



Right In: 672.965+/-0.168 χ^2/NDF: 1651296.9/18

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 674.965+/-0.156 χ^2/NDF: 3320426.5/24

Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

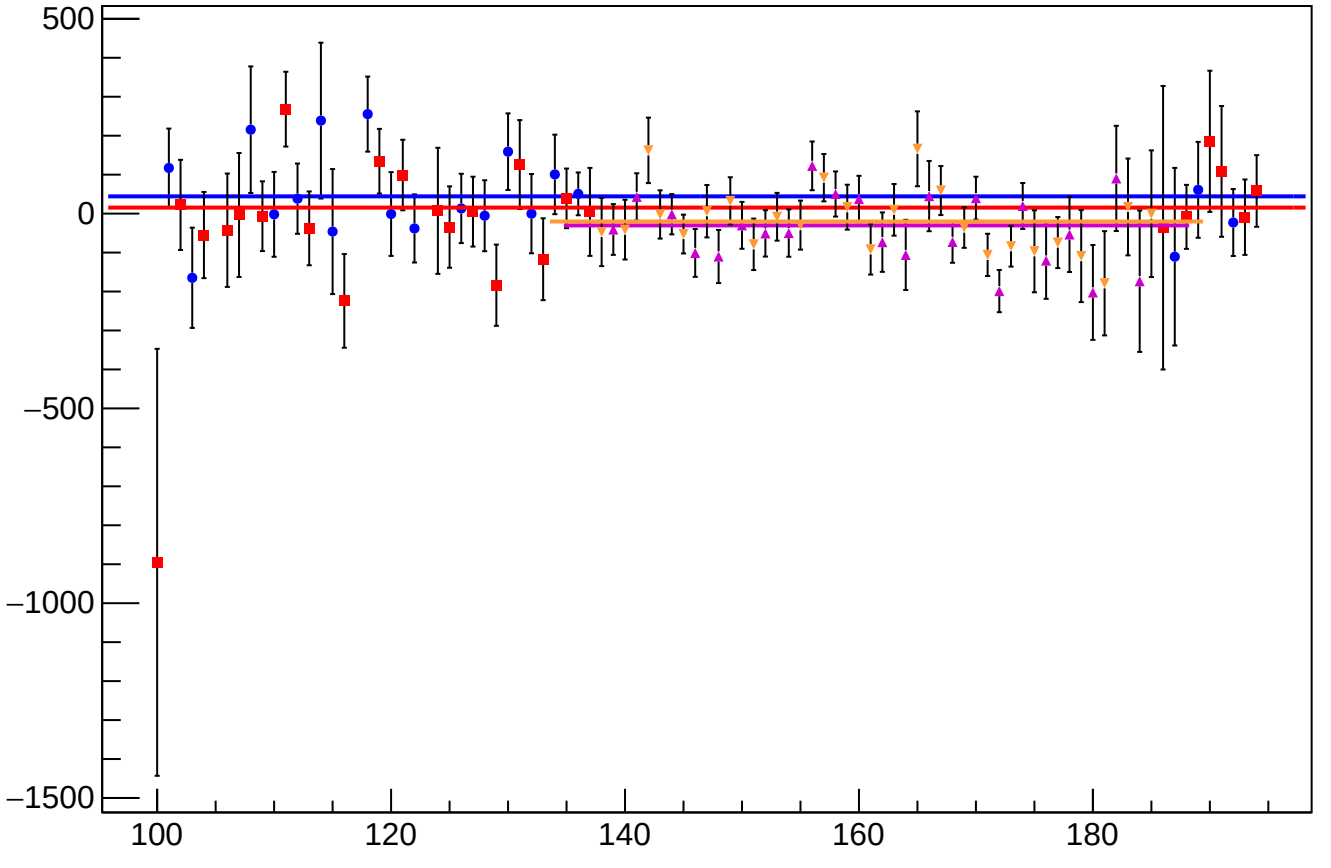
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 674.041+/-0.114 χ^2/NDF: 4971799.6/43

In: 477.641+/-0.068 χ^2/NDF:4324042.5/41

Out: 481.418+/-0.065 χ^2/NDF:6392381.2/49

All: 479.596+/-0.047 χ^2/NDF: 10718035.6/91



Right In: 44.277+/-23.016 χ^2/NDF: 15.0/18

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: 15.401+/-21.633 χ^2/NDF: 25.6/24

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

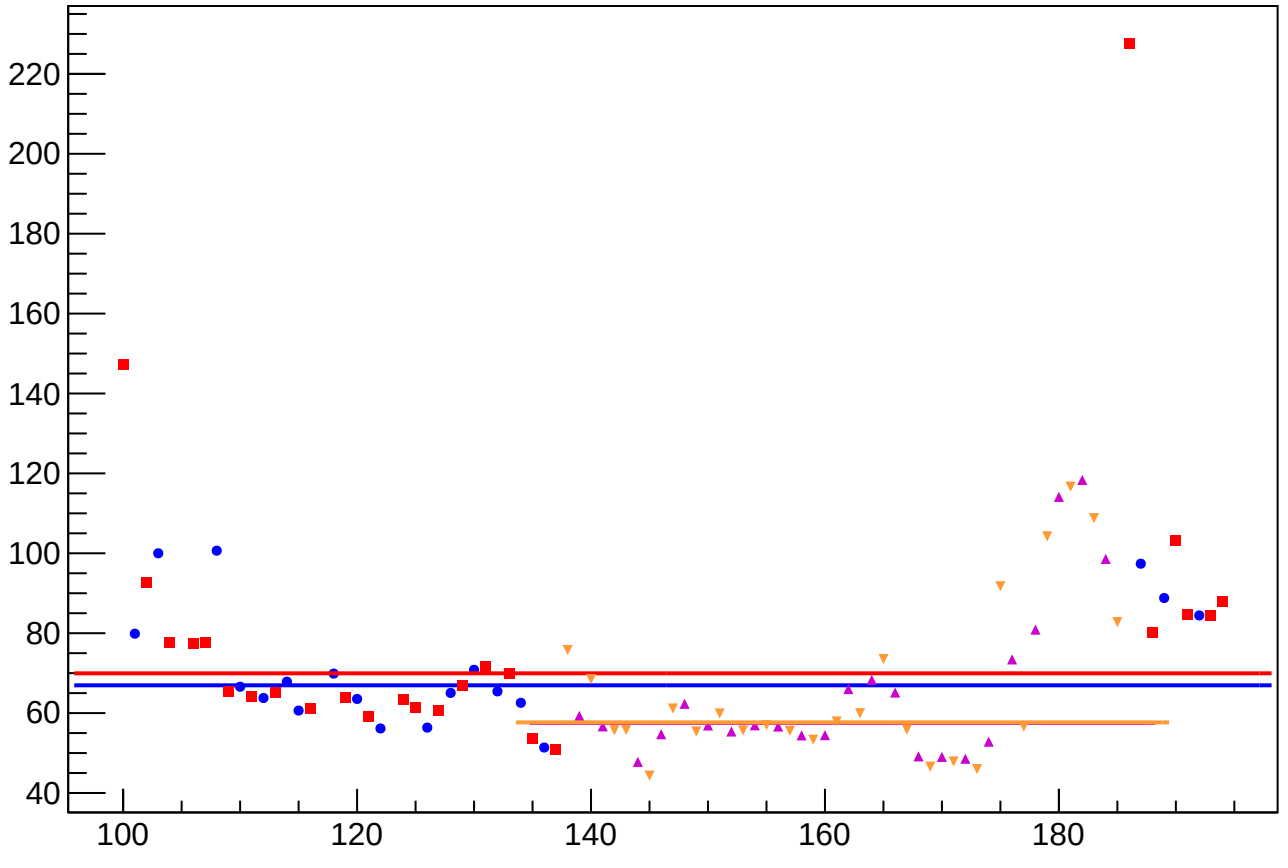
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 28.945+/-15.763 χ^2/NDF: 41.4/43

In: -10.217+/-11.948 χ^2/NDF:55.2/41

Out: -10.127+/-11.536 χ^2/NDF:52.7/49

All: -10.170+/-8.299 χ^2/NDF: 107.9/91



Right In: 66.955+/-0.016 χ^2/NDF: 669715.3/18

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

Right Out: 69.956+/-0.015 χ^2/NDF: 1002437.2/24

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

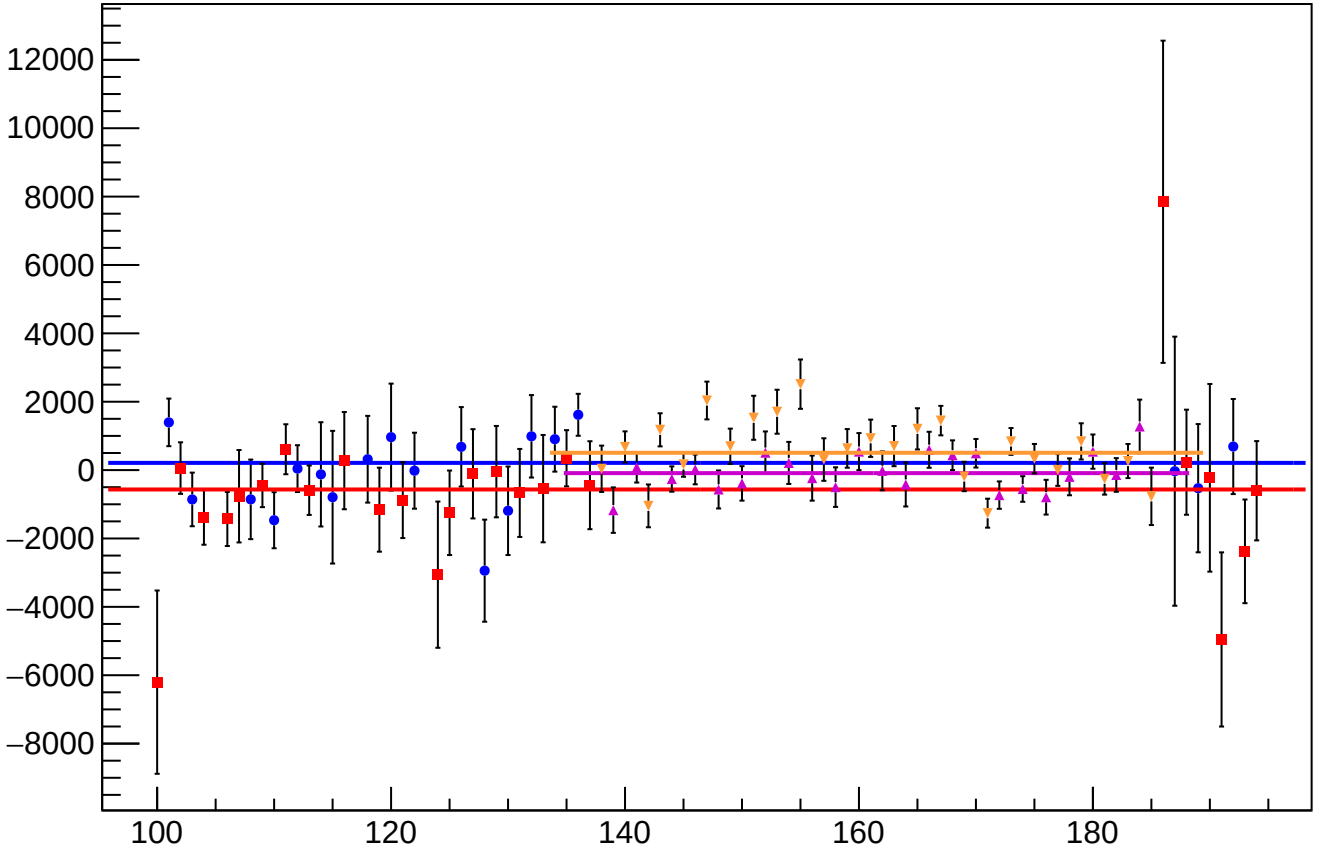
Right: 68.548+/-0.011 χ^2/NDF: 1690210.5/43

In: 60.077+/-0.008 χ^2/NDF:2357465.0/41

Out: 61.162+/-0.008 χ^2/NDF:3373964.6/49

All: 60.639+/-0.006 χ^2/NDF: 5739979.3/91

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 211.258+/-237.753 χ^2/NDF: 22.7/18

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

Right Out: -566.631+/-220.213 χ^2/NDF: 21.7/24

Left In: -88.471+/-104.541 χ^2/NDF:23.3/22

Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

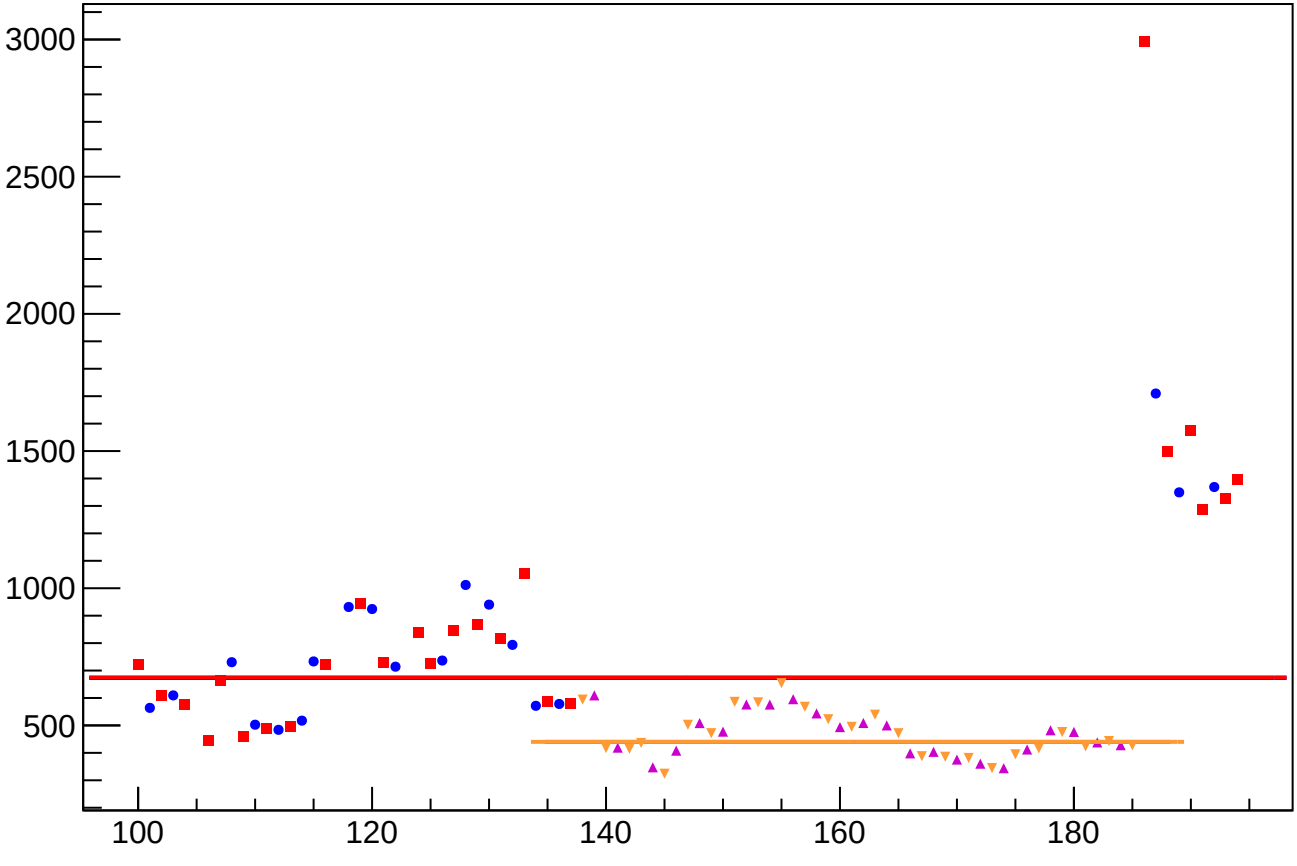
Right: -207.435+/-161.559 χ^2/NDF: 50.2/43

In: -39.910+/-95.699 χ^2/NDF:47.3/41

Out: 318.173+/-92.386 χ^2/NDF:107.1/49

All: 145.436+/-66.467 χ^2/NDF: 161.7/91

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 672.964+/-0.168 χ^2/NDF: 1651298.8/18

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 674.964+/-0.156 χ^2/NDF: 3320427.0/24

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

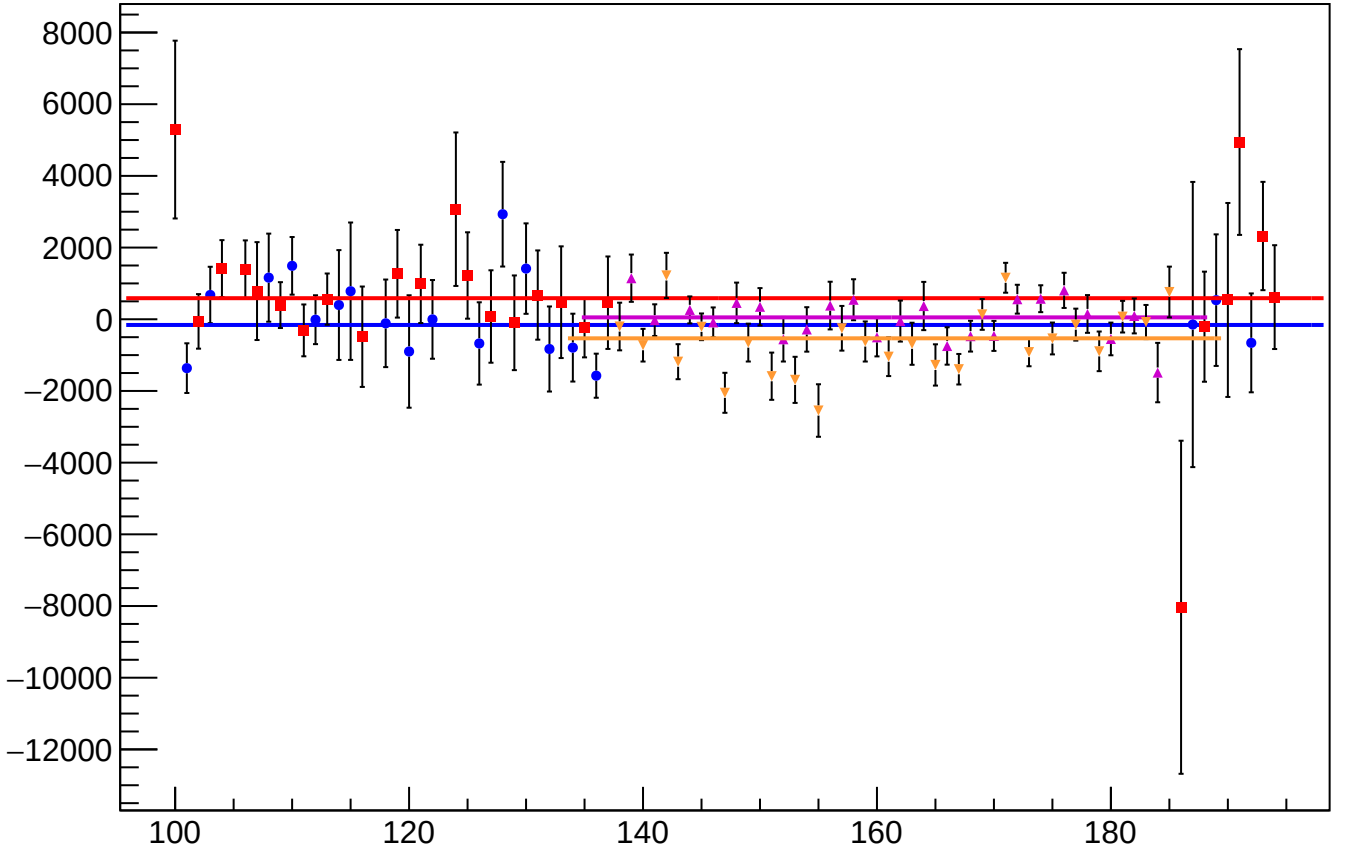
Right: 674.040+/-0.114 χ^2/NDF: 4971802.0/43

In: 477.640+/-0.068 χ^2/NDF:4324060.8/41

Out: 481.416+/-0.065 χ^2/NDF:6392399.6/49

All: 479.595+/-0.047 χ^2/NDF: 10718072.4/91

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -158.969+/-236.509 χ^2/NDF: 22.8/18

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: 587.795+/-219.485 χ^2/NDF: 20.0/24

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

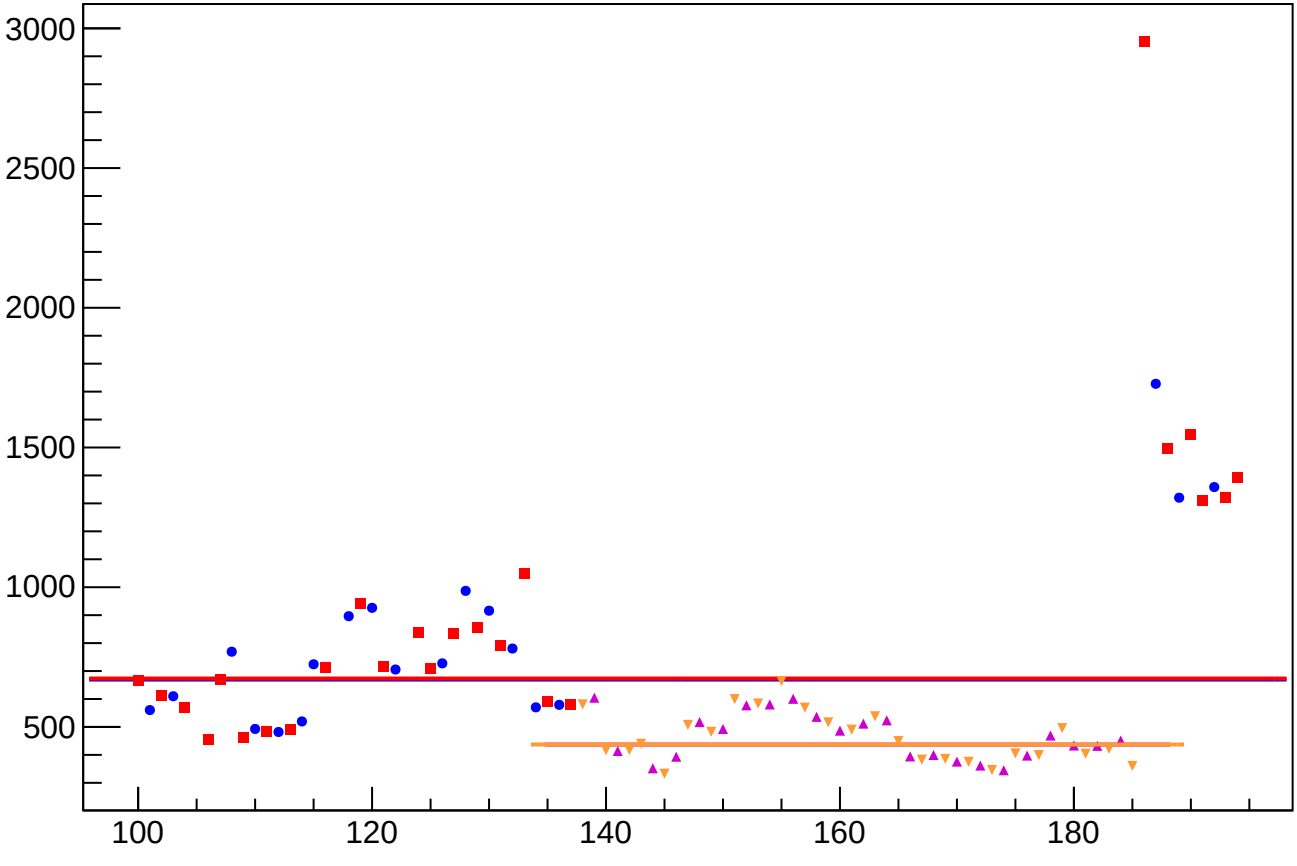
Right: 242.253+/-160.882 χ^2/NDF: 48.1/43

In: 18.352+/-95.103 χ^2/NDF:47.5/41

Out: -335.176+/-91.935 χ^2/NDF:107.0/49

All: -164.396+/-66.099 χ^2/NDF: 161.7/91

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 669.584+/-0.167 χ^2/NDF: 1618641.5/18

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

Right Out: 673.237+/-0.155 χ^2/NDF: 3275207.1/24

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

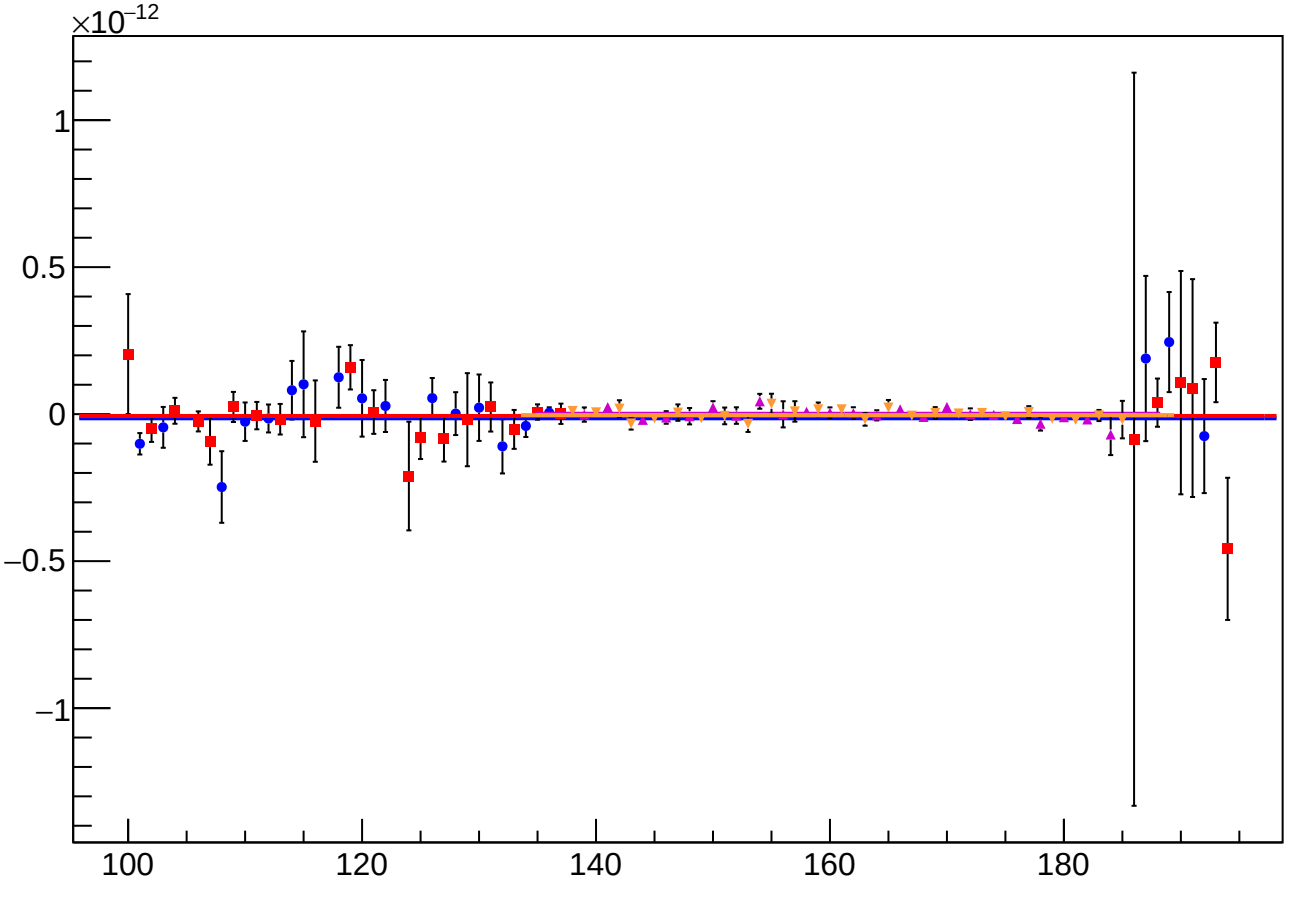
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 671.547+/-0.114 χ^2/NDF: 4894104.9/43

In: 474.554+/-0.067 χ^2/NDF:4320985.3/41

Out: 478.577+/-0.065 χ^2/NDF:6410558.5/49

All: 476.634+/-0.047 χ^2/NDF: 10733393.5/91



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/24

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

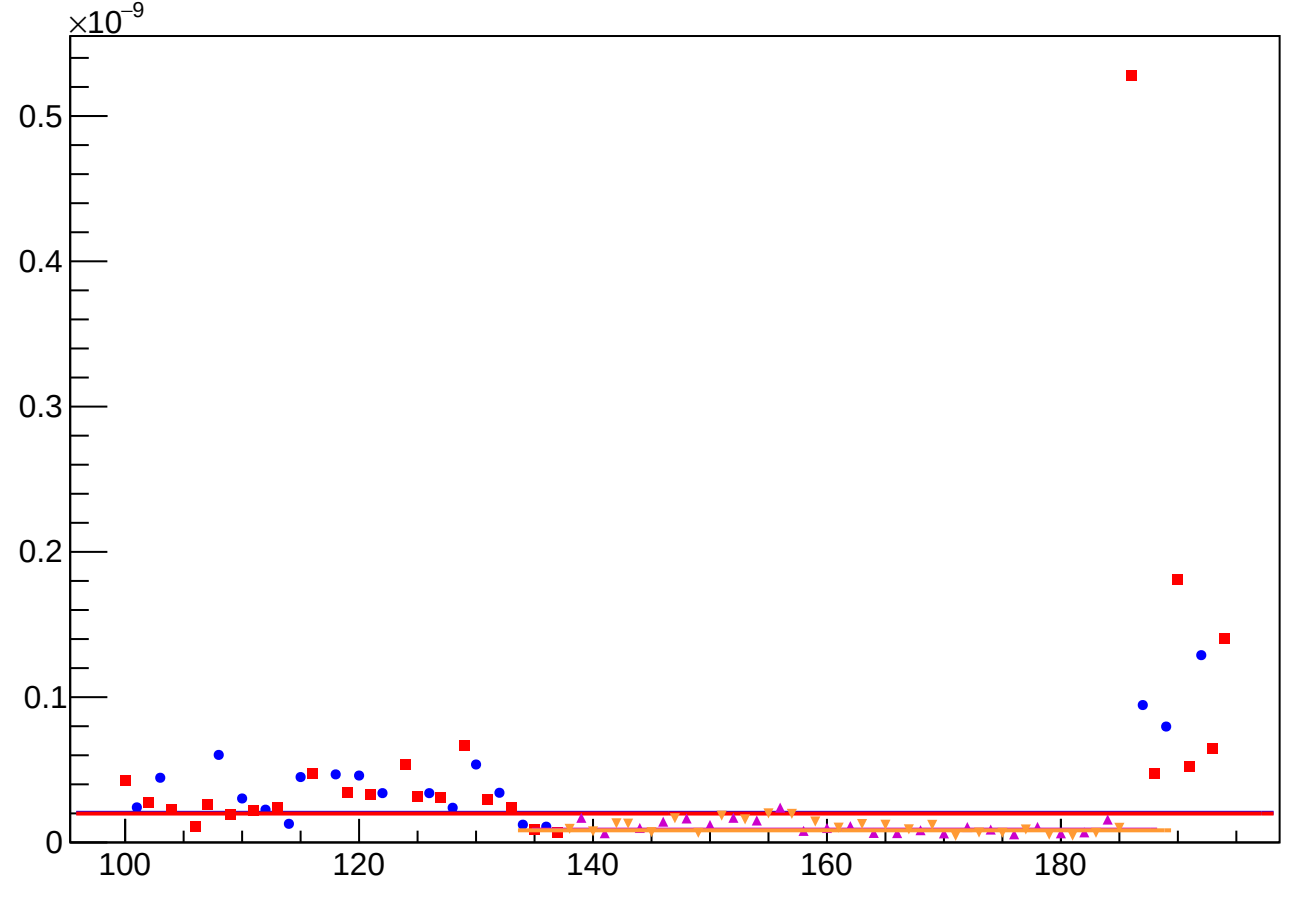
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

Right: -0.000+/-0.000 χ^2/NDF: 38.8/43

In: 0.000+/-0.000 χ^2/NDF:43.3/41

Out: -0.000+/-0.000 χ^2/NDF:33.1/49

All: -0.000+/-0.000 χ^2/NDF: 77.0/91



Right In: 0.000+/-0.000 χ^2/NDF: 2755107.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3116401.6/24

Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3869791.0/47

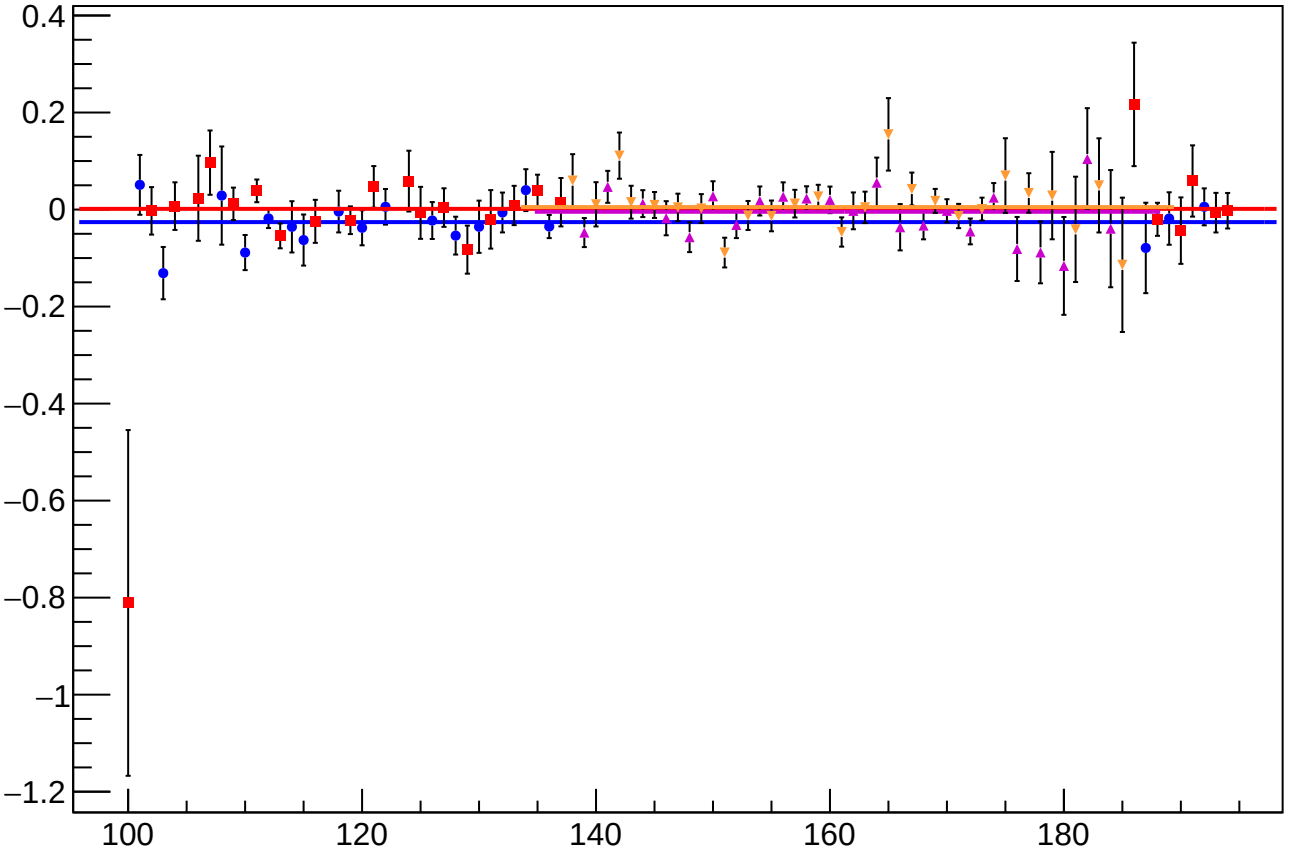
Right: 0.000+/-0.000 χ^2/NDF: 5873186.9/43

In: 0.000+/-0.000 χ^2/NDF:5968425.1/41

Out: 0.000+/-0.000 χ^2/NDF:7047480.6/49

All: 0.000+/-0.000 χ^2/NDF: 13038752.8/91

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.026+/-0.009 χ^2/NDF: 14.7/18

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.001+/-0.008 χ^2/NDF: 26.5/24

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

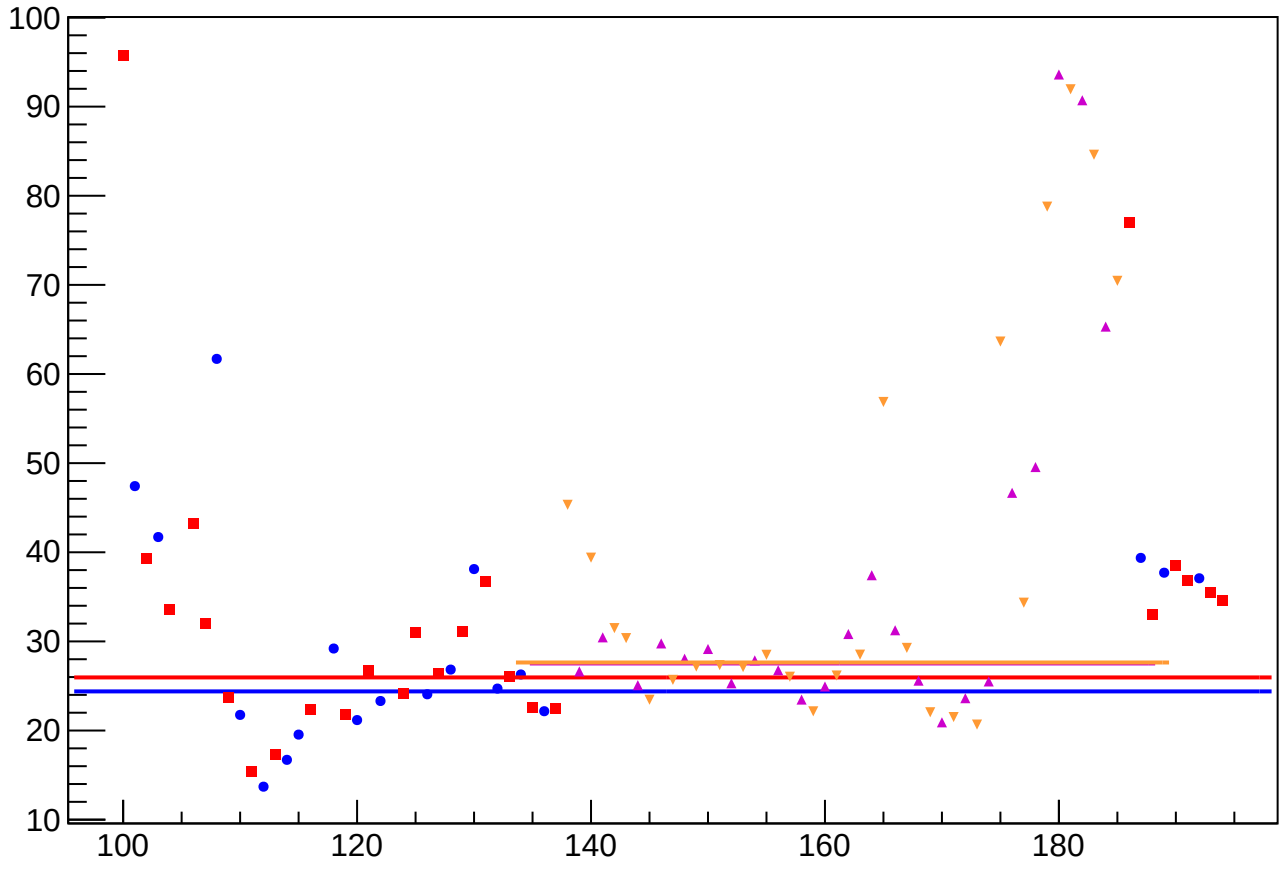
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.011+/-0.006 χ^2/NDF: 46.1/43

In: -0.013+/-0.006 χ^2/NDF:43.4/41

Out: 0.004+/-0.005 χ^2/NDF:55.0/49

All: -0.004+/-0.004 χ^2/NDF: 102.9/91



Right In: 24.391+/-0.006 χ^2/NDF: 1999133.7/18

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 25.959+/-0.006 χ^2/NDF: 1947056.7/24

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

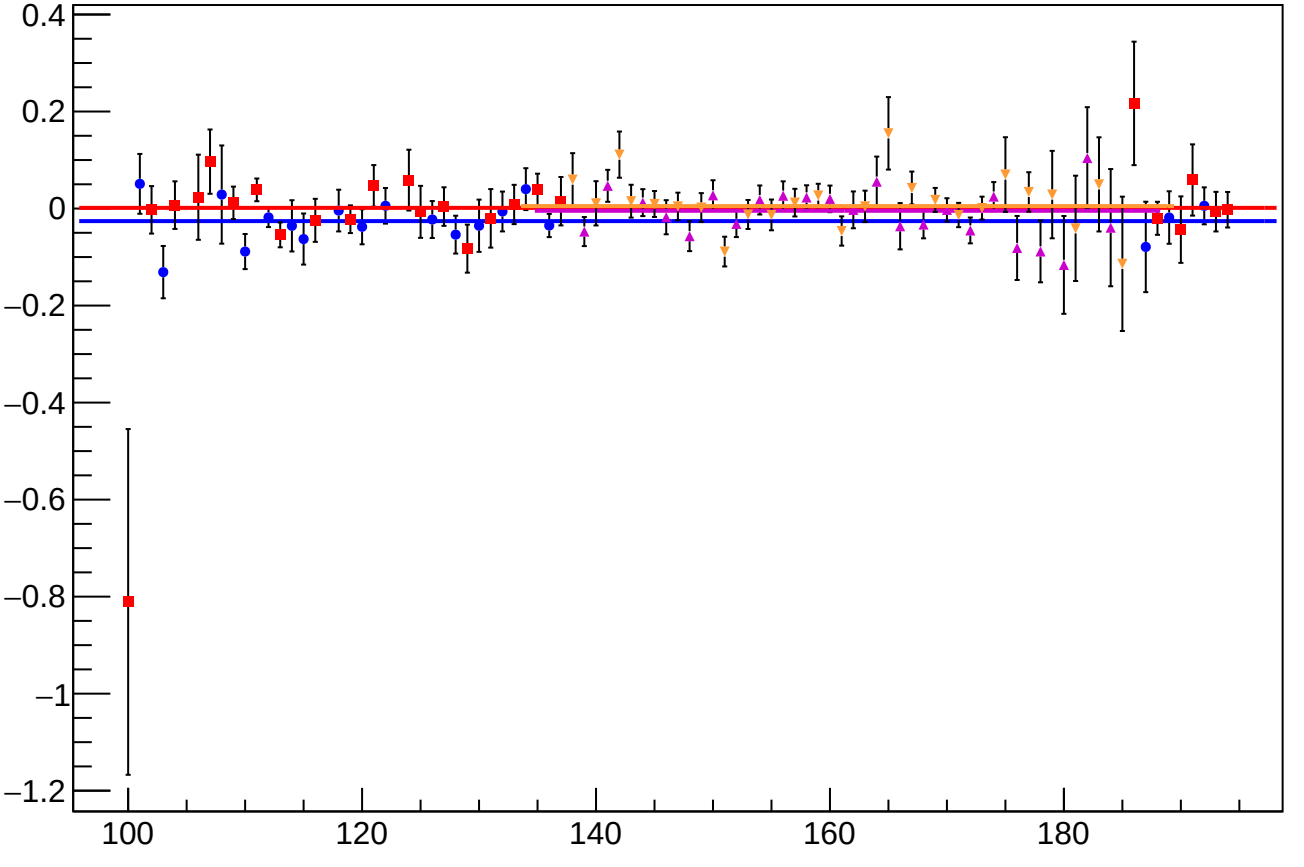
Right: 25.227+/-0.004 χ^2/NDF: 3978885.9/43

In: 26.339+/-0.004 χ^2/NDF:4785984.9/41

Out: 26.963+/-0.004 χ^2/NDF:5969132.8/49

All: 26.663+/-0.003 χ^2/NDF: 10768450.2/91

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.026+/-0.009 χ^2/NDF: 14.7/18

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.001+/-0.008 χ^2/NDF: 26.5/24

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

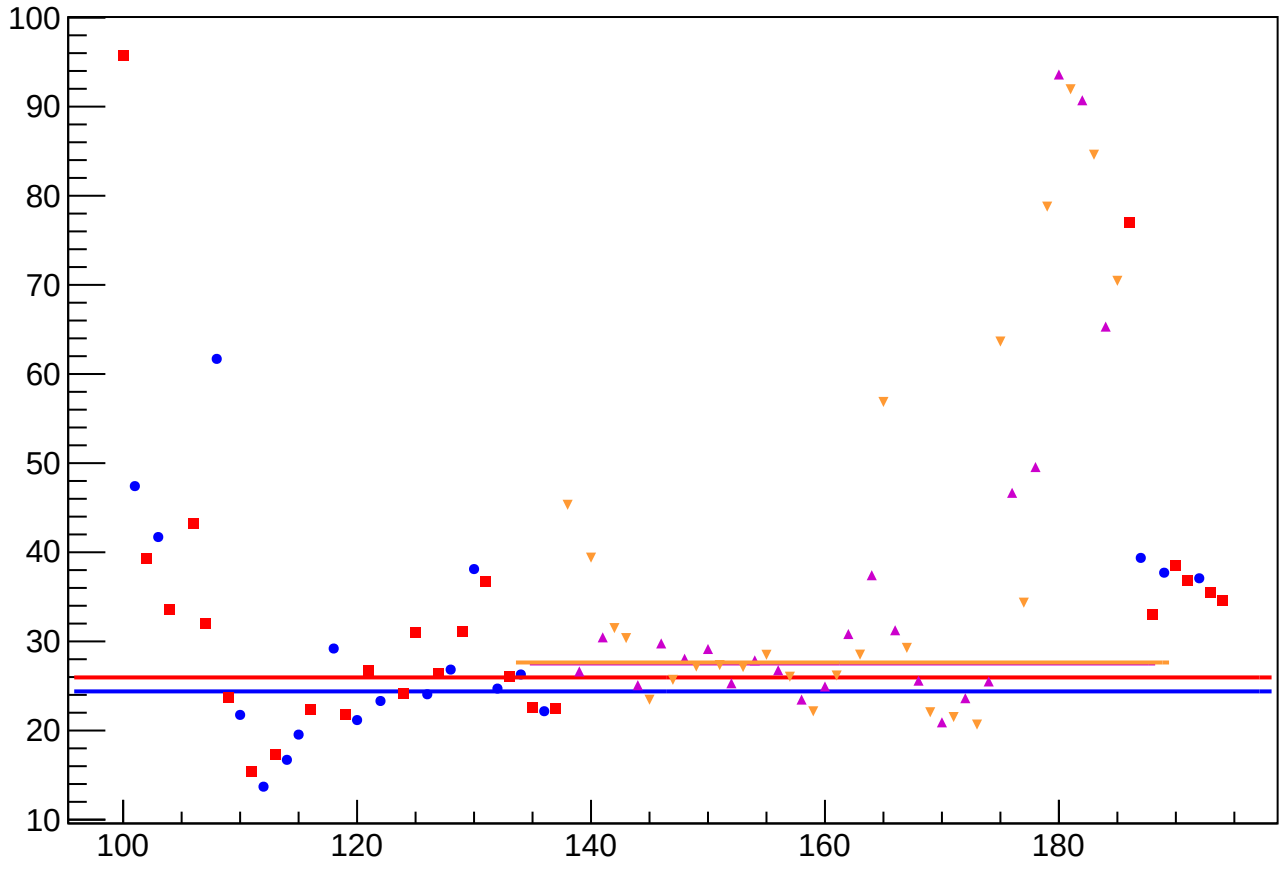
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.011+/-0.006 χ^2/NDF: 46.1/43

In: -0.013+/-0.006 χ^2/NDF:43.4/41

Out: 0.004+/-0.005 χ^2/NDF:55.0/49

All: -0.004+/-0.004 χ^2/NDF: 102.9/91



Right In: 24.391+/-0.006 χ^2/NDF: 1999133.7/18

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 25.959+/-0.006 χ^2/NDF: 1947056.7/24

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

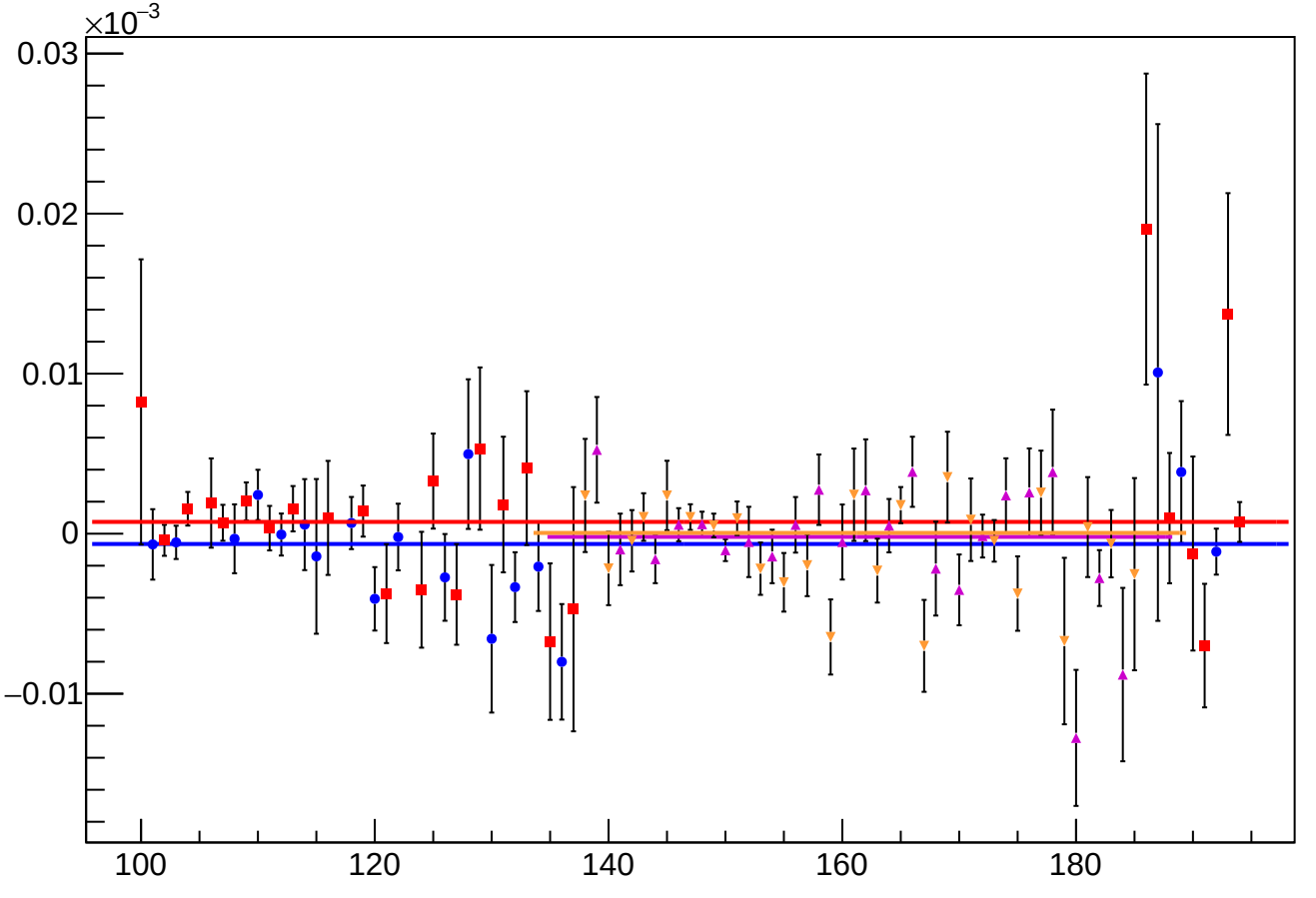
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 25.227+/-0.004 χ^2/NDF: 3978885.9/43

In: 26.339+/-0.004 χ^2/NDF:4785984.9/41

Out: 26.963+/-0.004 χ^2/NDF:5969132.8/49

All: 26.663+/-0.003 χ^2/NDF: 10768450.2/91



Right In: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/24

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

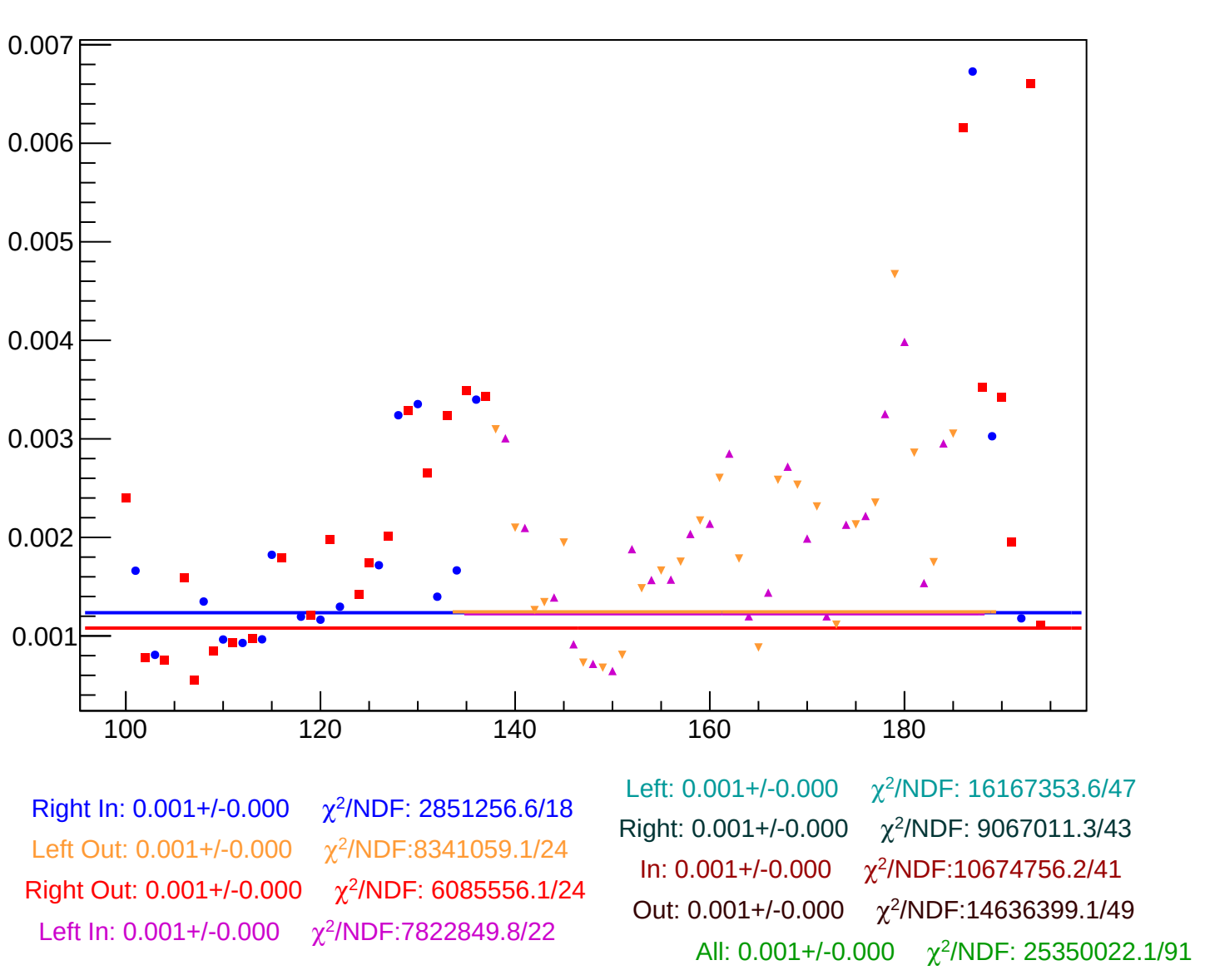
Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

Right: 0.000+/-0.000 χ^2/NDF: 50.1/43

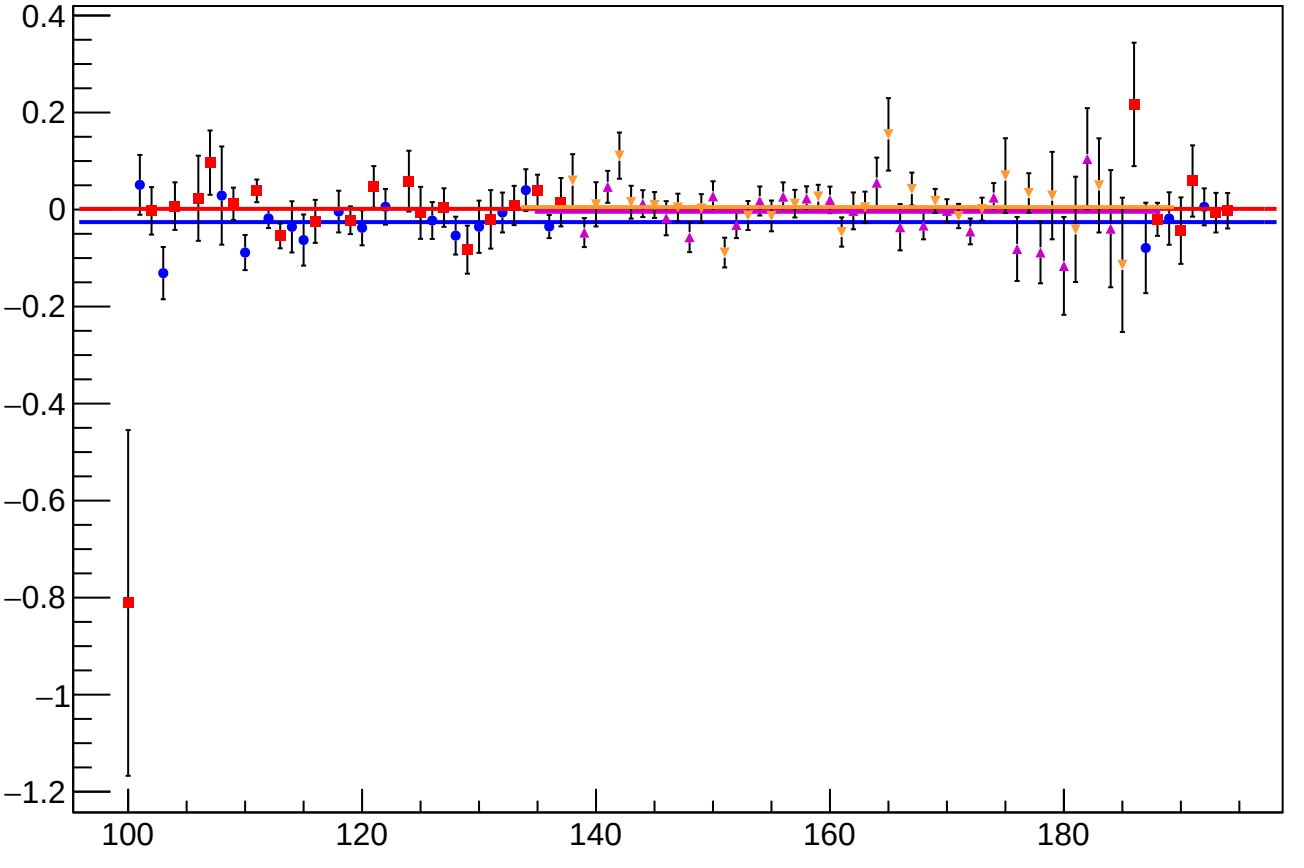
In: -0.000+/-0.000 χ^2/NDF:53.1/41

Out: 0.000+/-0.000 χ^2/NDF:64.6/49

All: 0.000+/-0.000 χ^2/NDF: 121.0/91


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
120
140
160
180
Right In: 0.001+/-0.000 χ²/NDF: 2851256.6/18
Left Out: 0.001+/-0.000 χ²/NDF:8341059.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 6085556.1/24
Left In: 0.001+/-0.000 χ²/NDF:7822849.8/22
Left: 0.001+/-0.000 χ²/NDF: 16167353.6/47
Right: 0.001+/-0.000 χ²/NDF: 9067011.3/43
In: 0.001+/-0.000 χ²/NDF:10674756.2/41
Out: 0.001+/-0.000 χ²/NDF:14636399.1/49
All: 0.001+/-0.000 χ²/NDF: 25350022.1/91

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.026+/-0.009 χ^2/NDF: 14.7/18

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.001+/-0.008 χ^2/NDF: 26.5/24

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

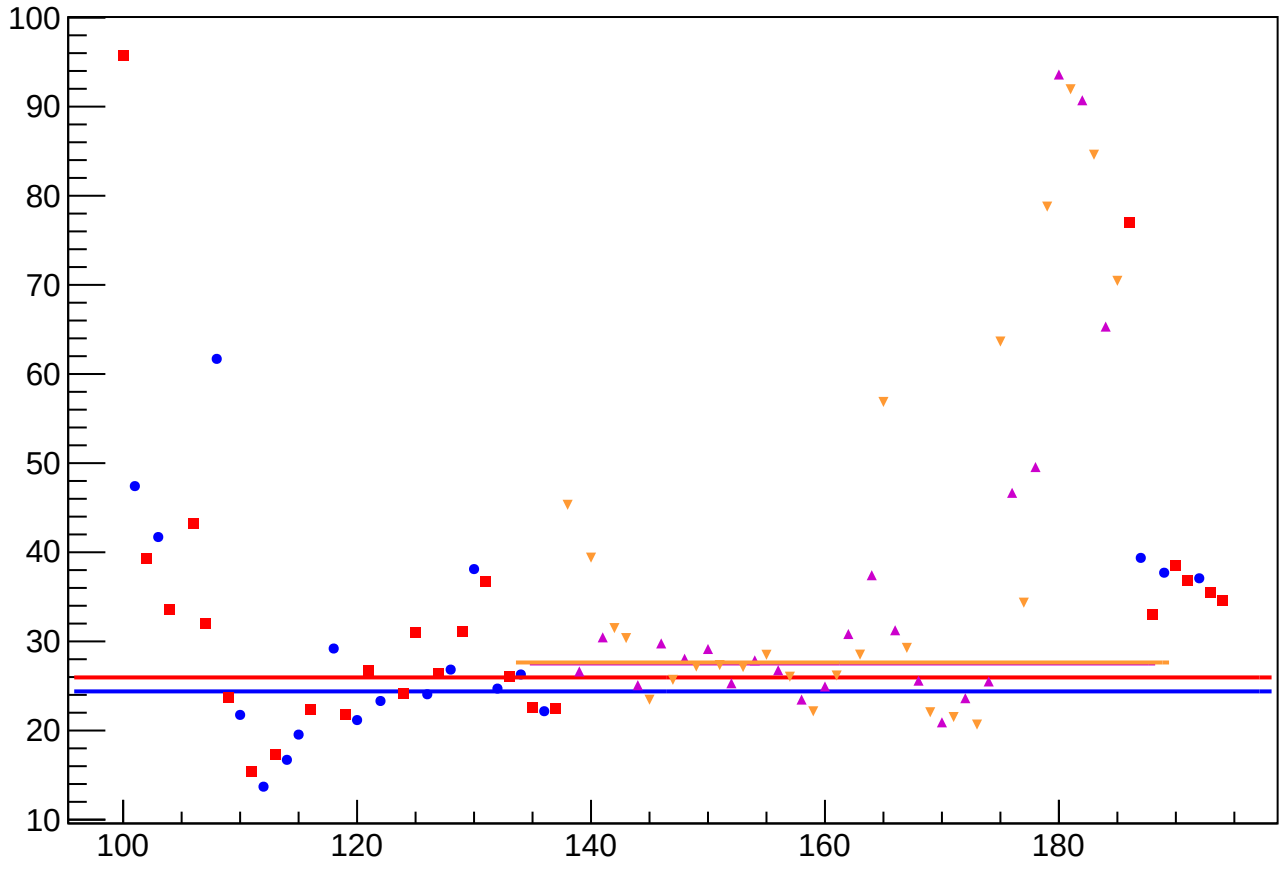
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.011+/-0.006 χ^2/NDF: 46.1/43

In: -0.013+/-0.006 χ^2/NDF:43.4/41

Out: 0.004+/-0.005 χ^2/NDF:55.0/49

All: -0.004+/-0.004 χ^2/NDF: 102.9/91



Right In: 24.391+/-0.006 χ^2/NDF: 1999132.4/18

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 25.958+/-0.006 χ^2/NDF: 1947142.1/24

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

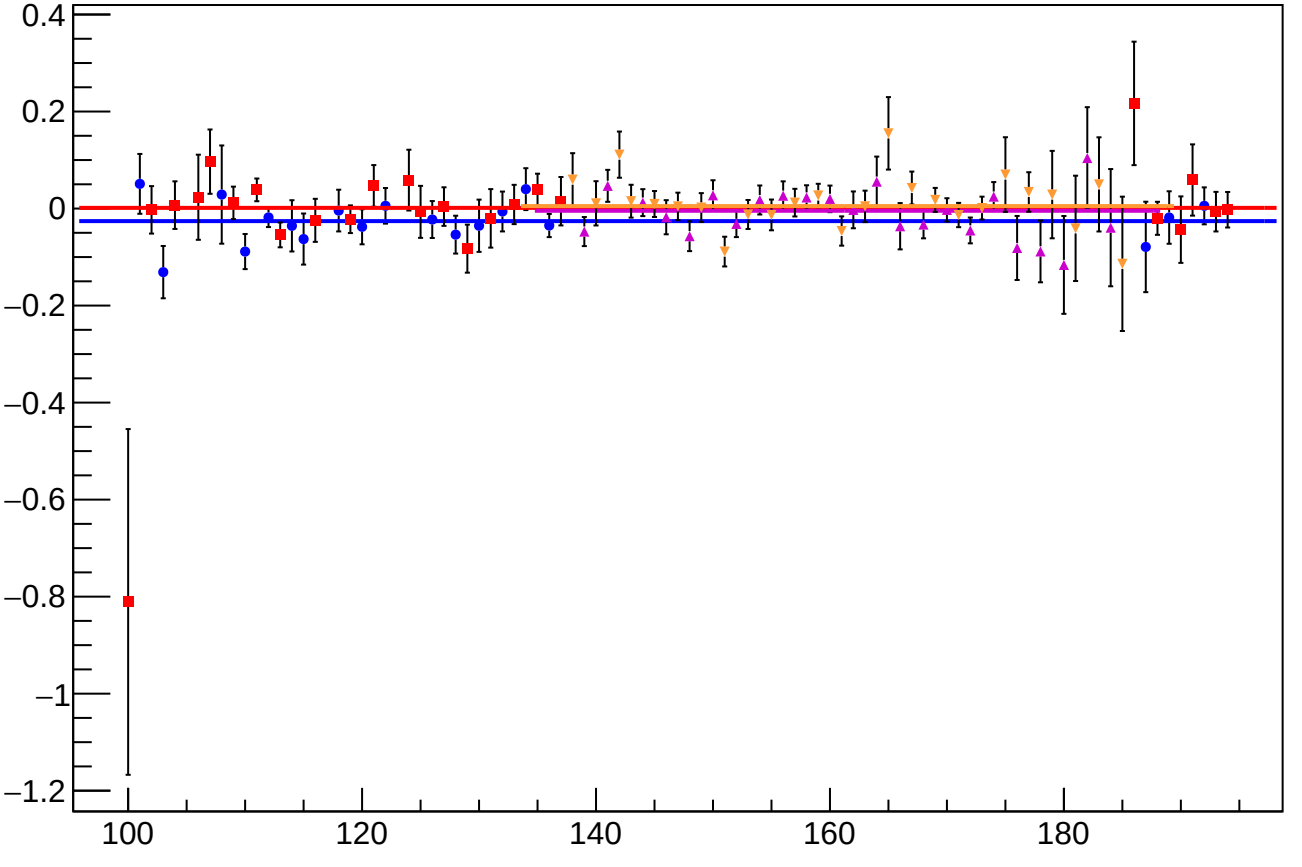
Right: 25.227+/-0.004 χ^2/NDF: 3978969.9/43

In: 26.339+/-0.004 χ^2/NDF:4785992.3/41

Out: 26.963+/-0.004 χ^2/NDF:5969190.9/49

All: 26.663+/-0.003 χ^2/NDF: 10768518.8/91

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.026+/-0.009 χ^2/NDF: 14.7/18

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.001+/-0.008 χ^2/NDF: 26.5/24

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

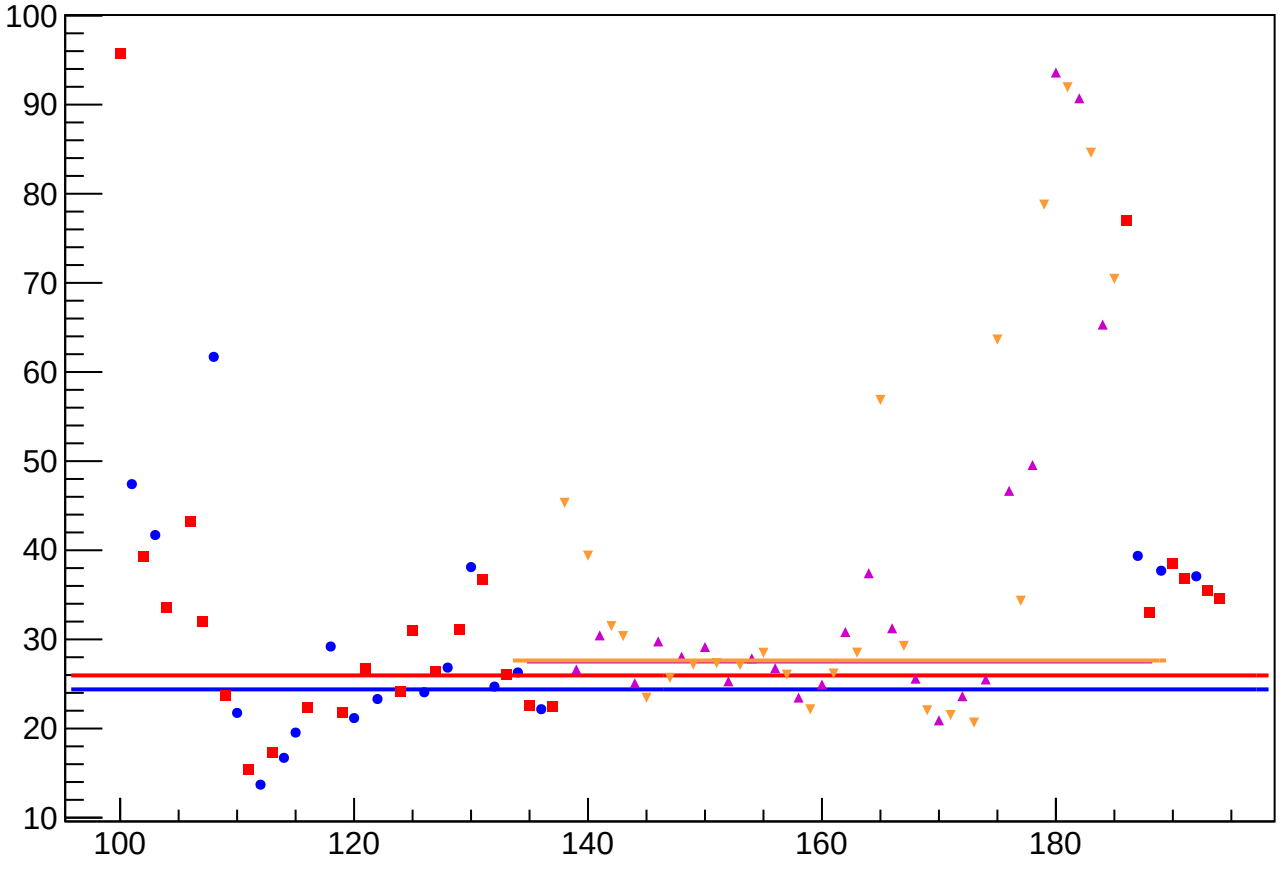
Right: -0.011+/-0.006 χ^2/NDF: 46.1/43

In: -0.013+/-0.006 χ^2/NDF:43.4/41

Out: 0.004+/-0.005 χ^2/NDF:55.0/49

All: -0.004+/-0.004 χ^2/NDF: 102.9/91

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.391+/-0.006 χ^2/NDF: 1999132.4/18

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 25.958+/-0.006 χ^2/NDF: 1947142.1/24

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

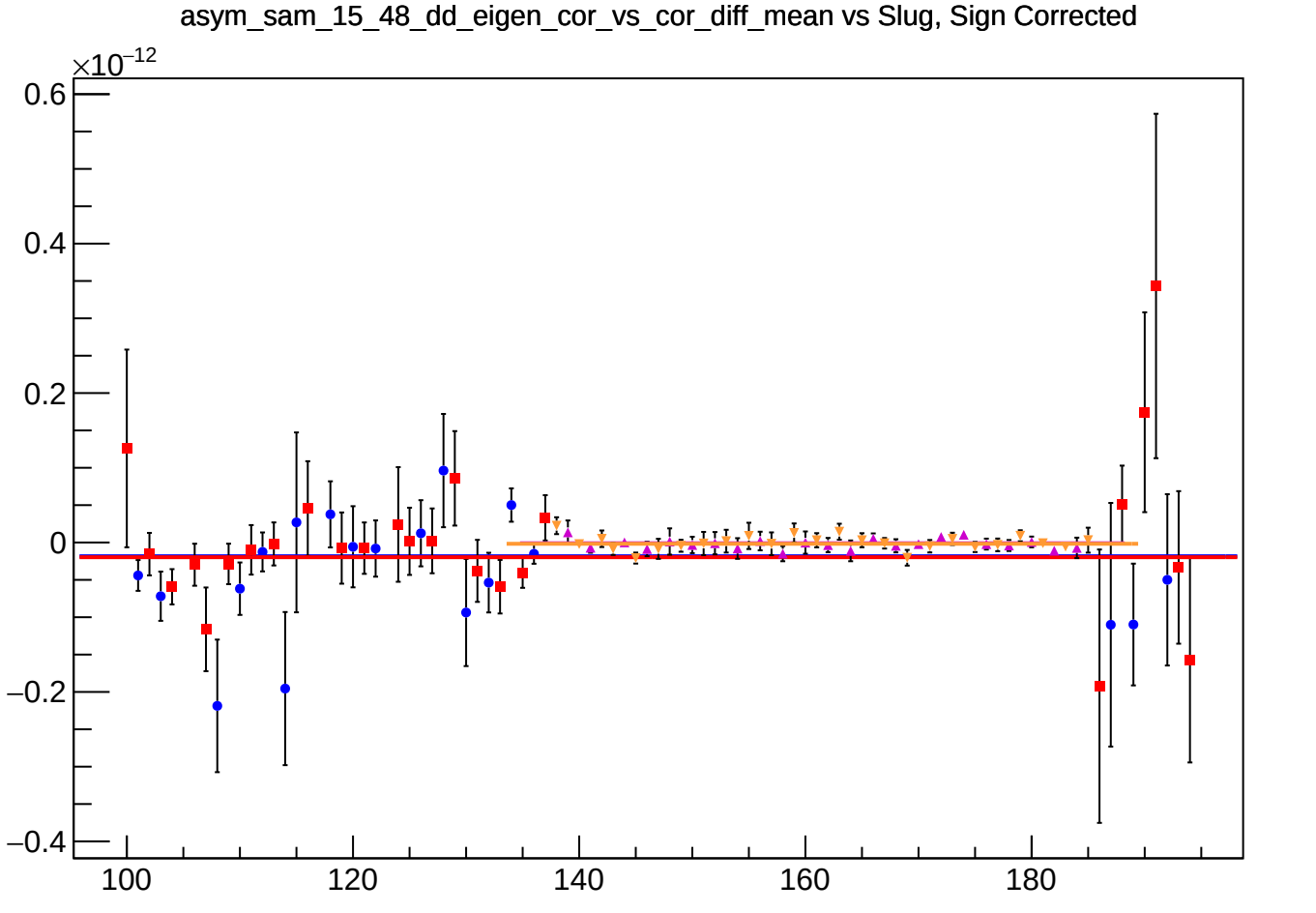
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 25.227+/-0.004 χ^2/NDF: 3978969.9/43

In: 26.339+/-0.004 χ^2/NDF:4785992.3/41

Out: 26.963+/-0.004 χ^2/NDF:5969190.9/49

All: 26.663+/-0.003 χ^2/NDF: 10768518.8/91



Right In: -0.000+/-0.000 χ^2/NDF: 31.5/18

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.4/24

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

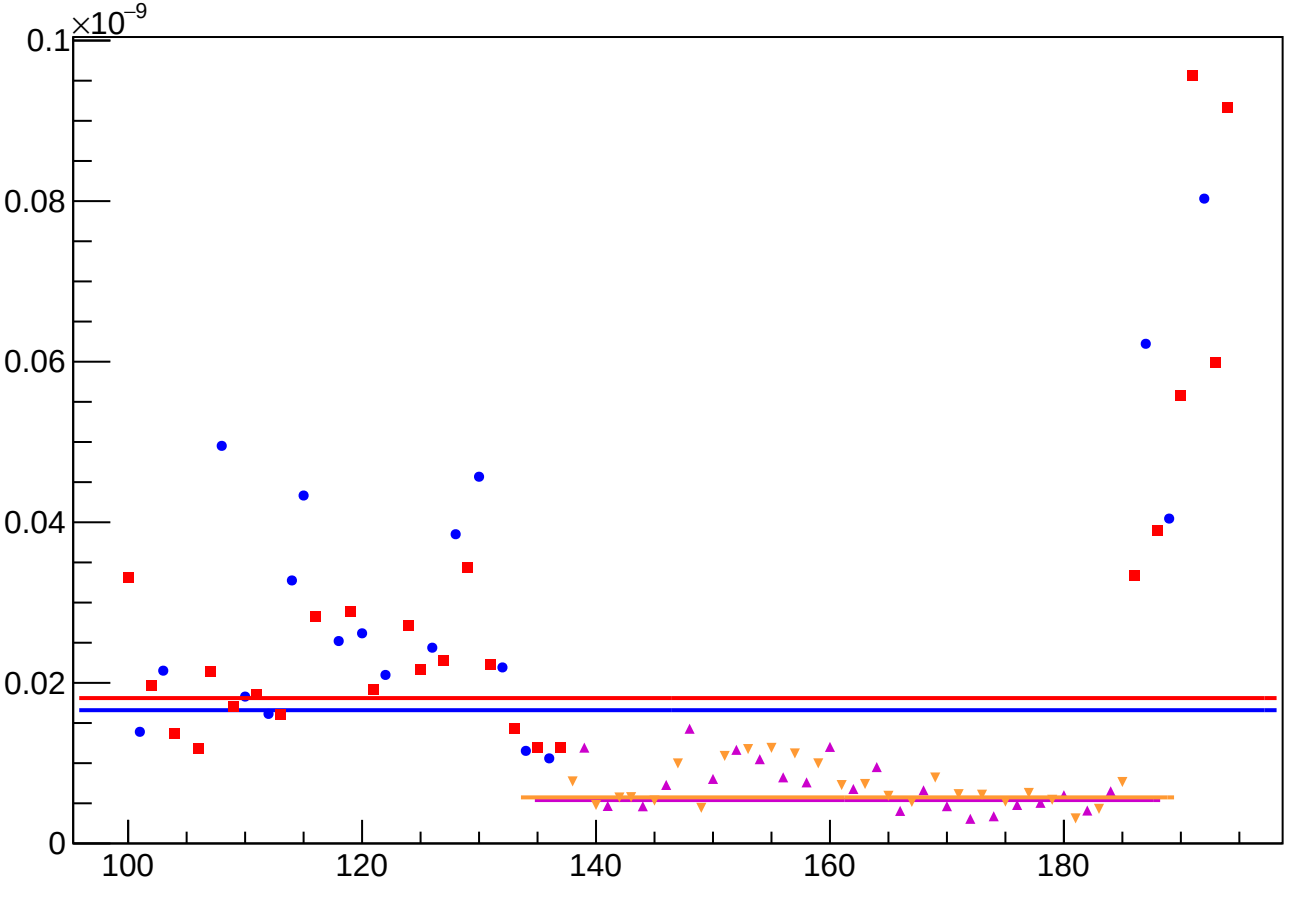
Right: -0.000+/-0.000 χ^2/NDF: 58.0/43

In: -0.000+/-0.000 χ^2/NDF:52.9/41

Out: -0.000+/-0.000 χ^2/NDF:56.0/49

All: -0.000+/-0.000 χ^2/NDF: 109.0/91

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2723037.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2521867.4/24

Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

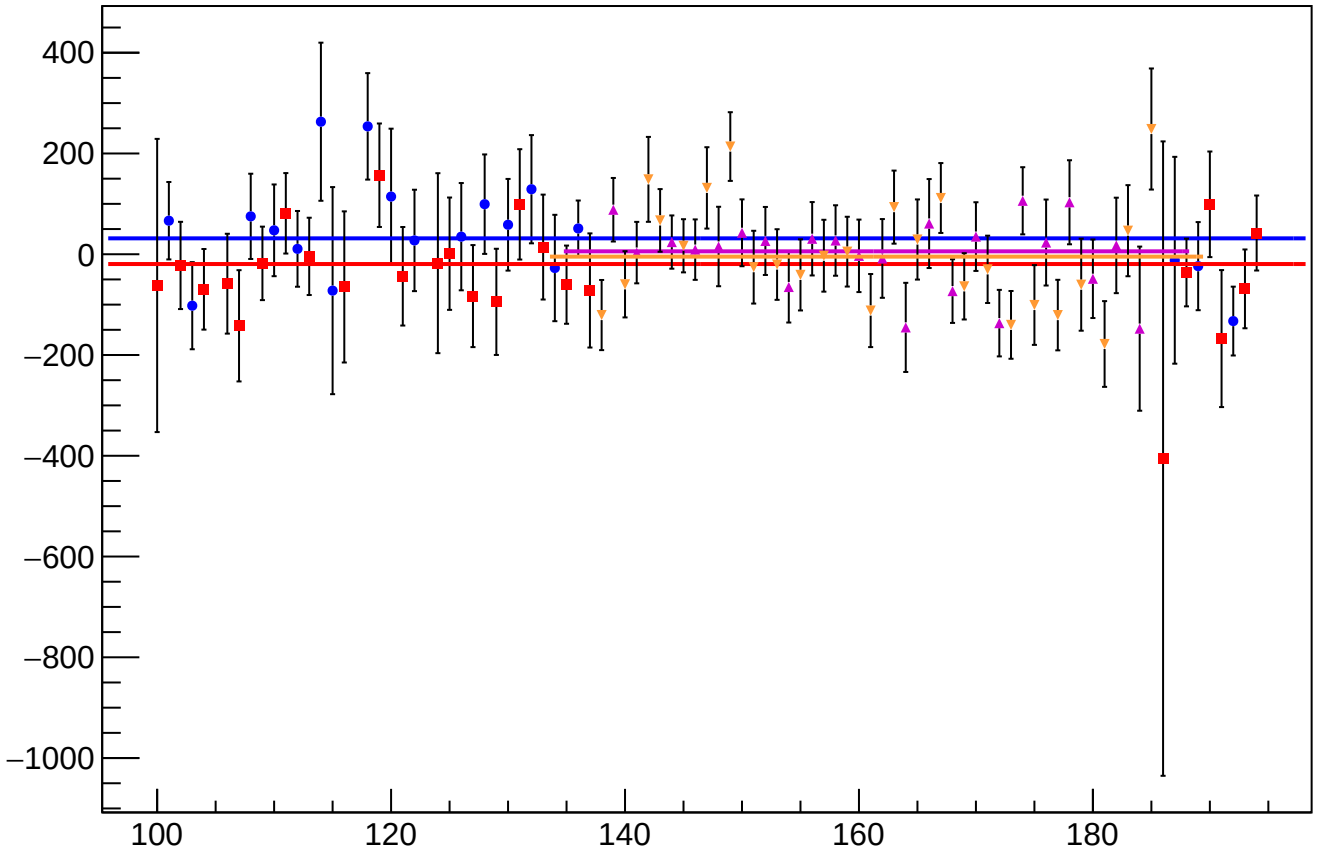
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 5282978.9/43

In: 0.000+/-0.000 χ^2/NDF:10222113.7/41

Out: 0.000+/-0.000 χ^2/NDF:10030011.1/49

All: 0.000+/-0.000 χ^2/NDF: 20304766.6/91



Right In: 31.547+/-21.176 χ^2/NDF: 18.3/18

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: -19.439+/-19.331 χ^2/NDF: 13.2/24

Left In: 5.776+/-14.931 χ^2/NDF:18.3/22

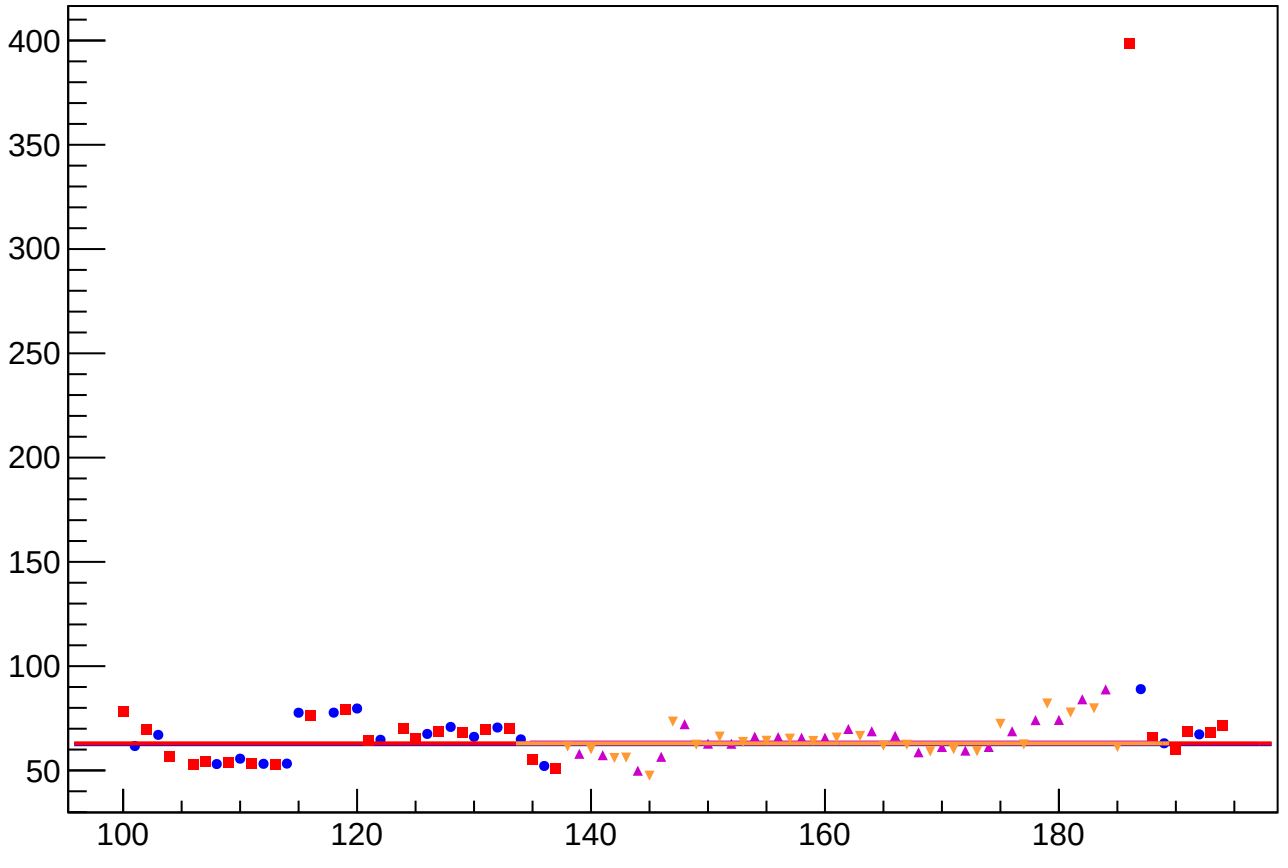
Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

Right: 3.737+/-14.277 χ^2/NDF: 34.6/43

In: 14.334+/-12.203 χ^2/NDF:37.5/41

Out: -10.002+/-11.564 χ^2/NDF:60.9/49

All: 1.513+/-8.394 χ^2/NDF: 100.6/91



Right In: 62.582+/-0.015 χ^2/NDF: 312795.4/18

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 62.981+/-0.014 χ^2/NDF: 912297.7/24

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

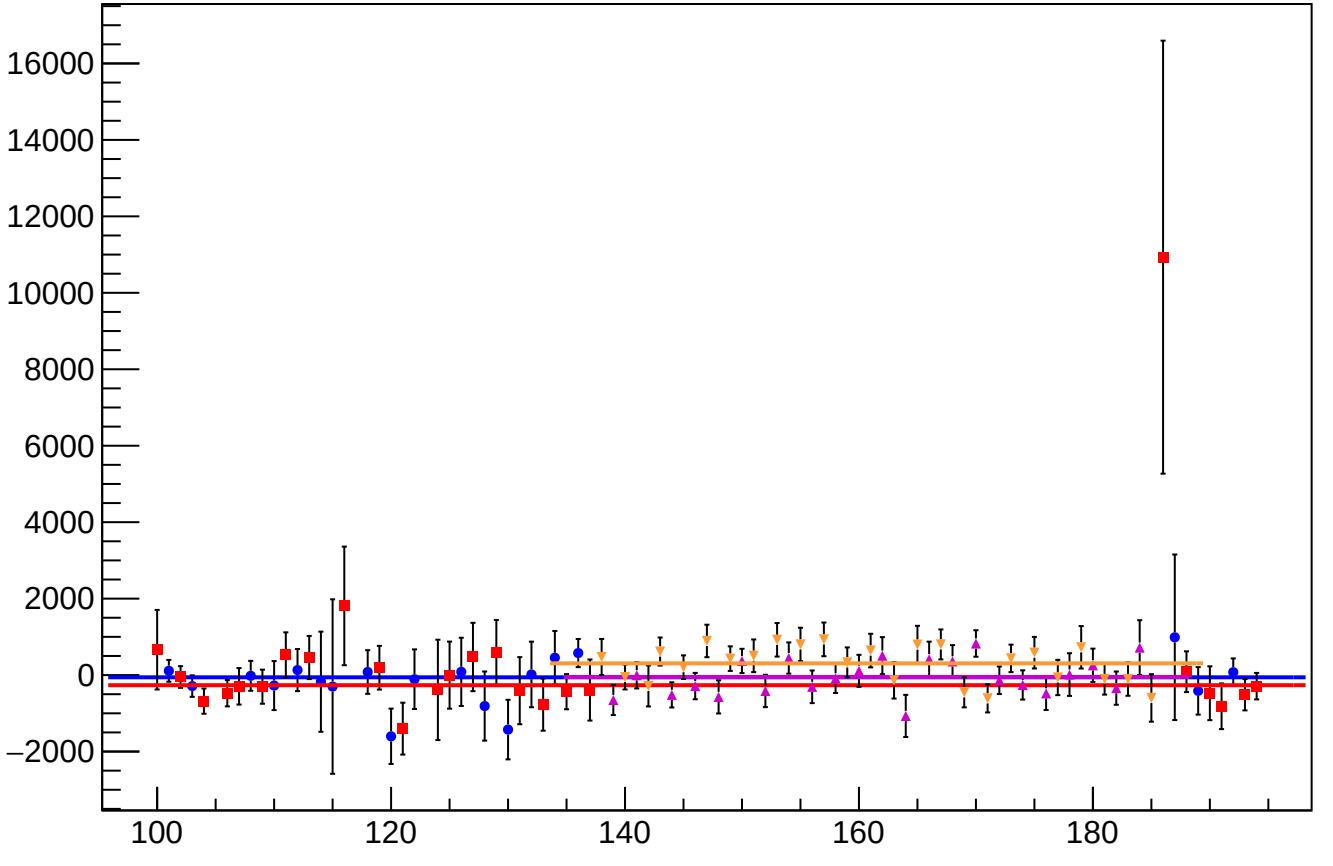
Right: 62.799+/-0.010 χ^2/NDF: 1225480.1/43

In: 63.105+/-0.009 χ^2/NDF:811550.4/41

Out: 62.978+/-0.008 χ^2/NDF:1439157.5/49

All: 63.038+/-0.006 χ^2/NDF: 2250822.7/91

asym_sam_37_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -58.112+/-119.524 χ^2/NDF: 13.9/18

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: -264.436+/-106.012 χ^2/NDF: 20.2/24

Left In: -50.030+/-84.838 χ^2/NDF:27.3/22

Left: 133.867+/-59.094 χ^2/NDF: 67.0/47

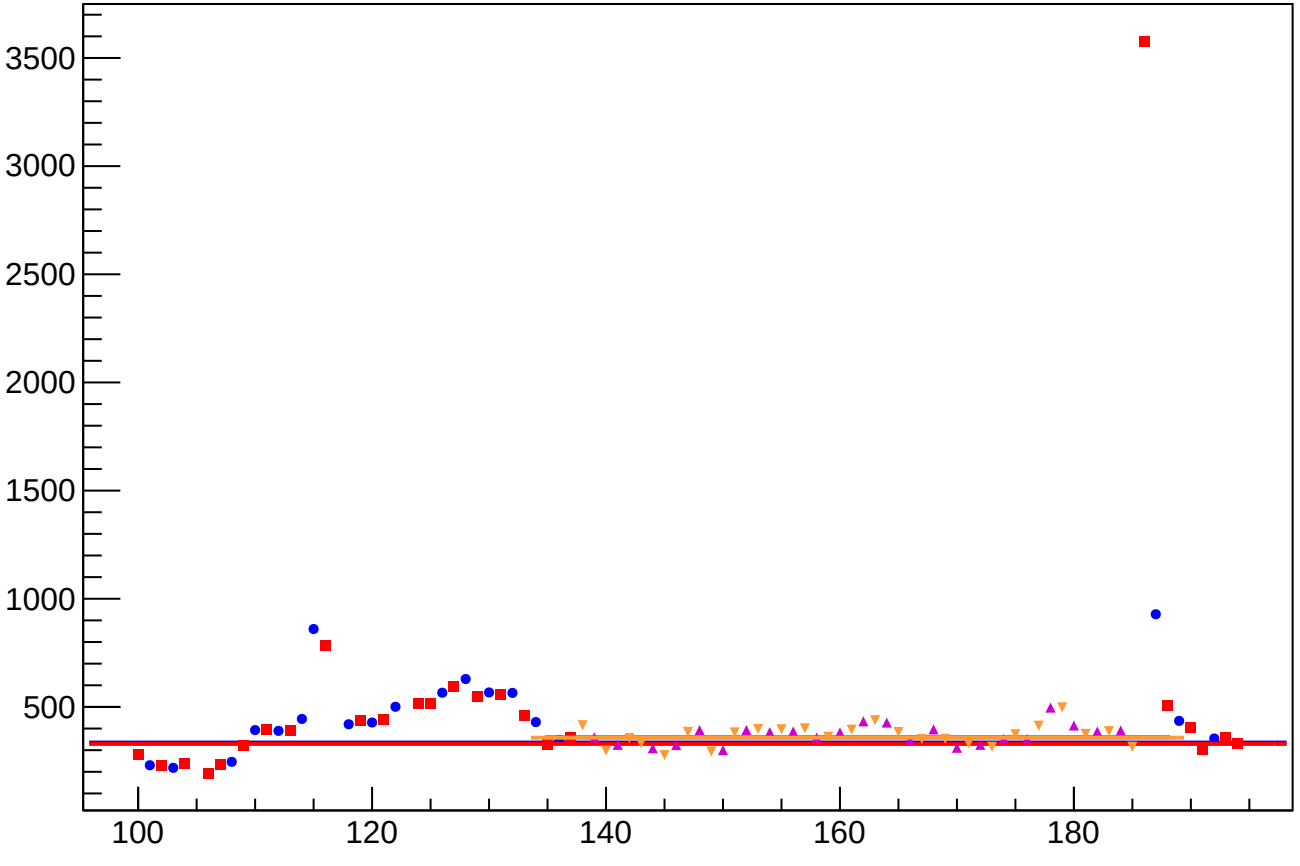
Right: -173.590+/-79.311 χ^2/NDF: 35.8/43

In: -52.738+/-69.182 χ^2/NDF:41.2/41

Out: 92.029+/-65.040 χ^2/NDF:69.0/49

All: 24.109+/-47.387 χ^2/NDF: 112.5/91

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 335.085+/-0.085 χ^2/NDF: 1951139.3/18

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 329.031+/-0.075 χ^2/NDF: 2740474.1/24

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

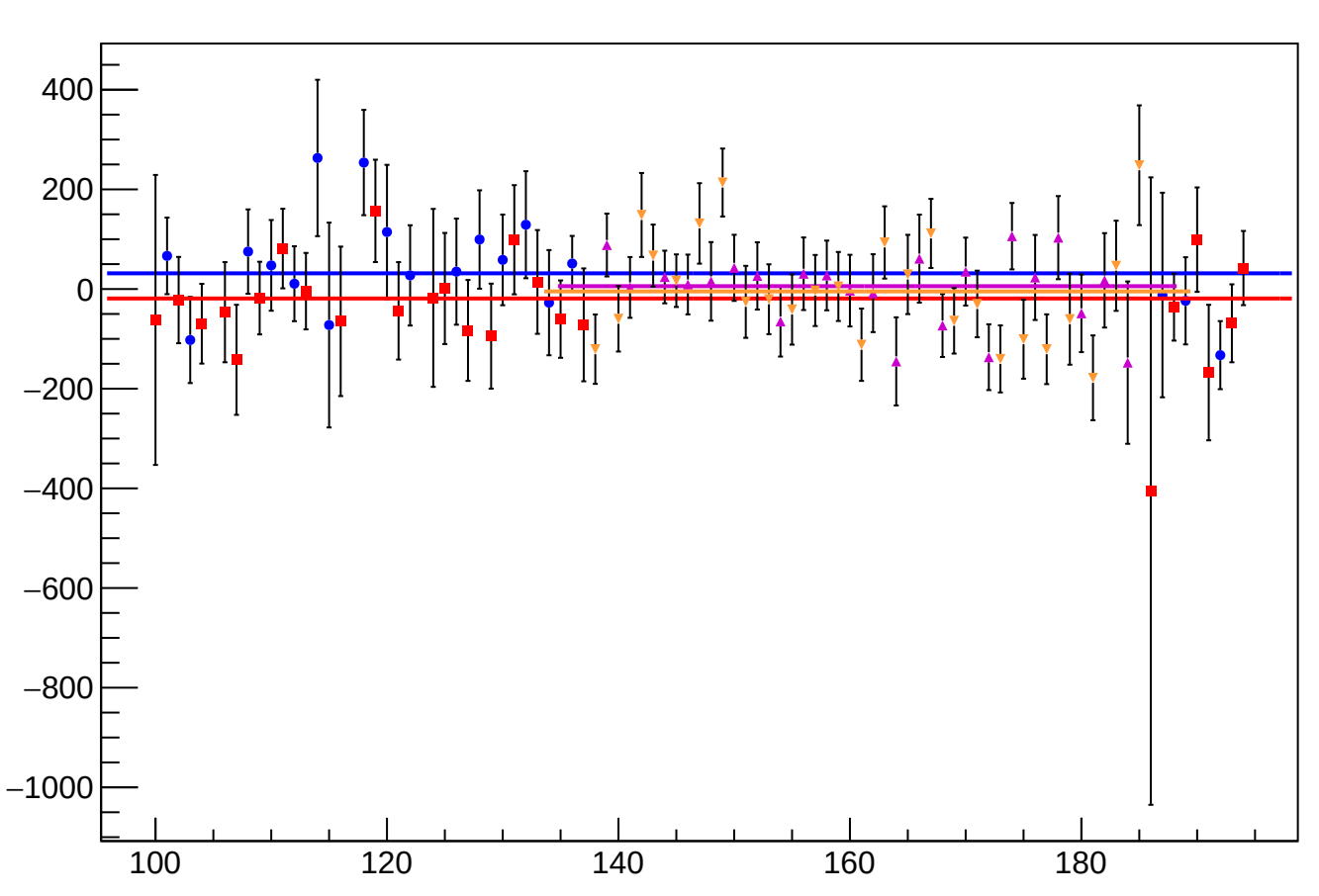
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 331.696+/-0.056 χ^2/NDF: 4694484.9/43

In: 351.220+/-0.049 χ^2/NDF:2525713.8/41

Out: 346.929+/-0.046 χ^2/NDF:3515616.5/49

All: 348.942+/-0.034 χ^2/NDF: 6045416.0/91



Right In: 31.540+/-21.176 χ^2/NDF: 18.3/18

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -18.954+/-19.341 χ^2/NDF: 13.1/24

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

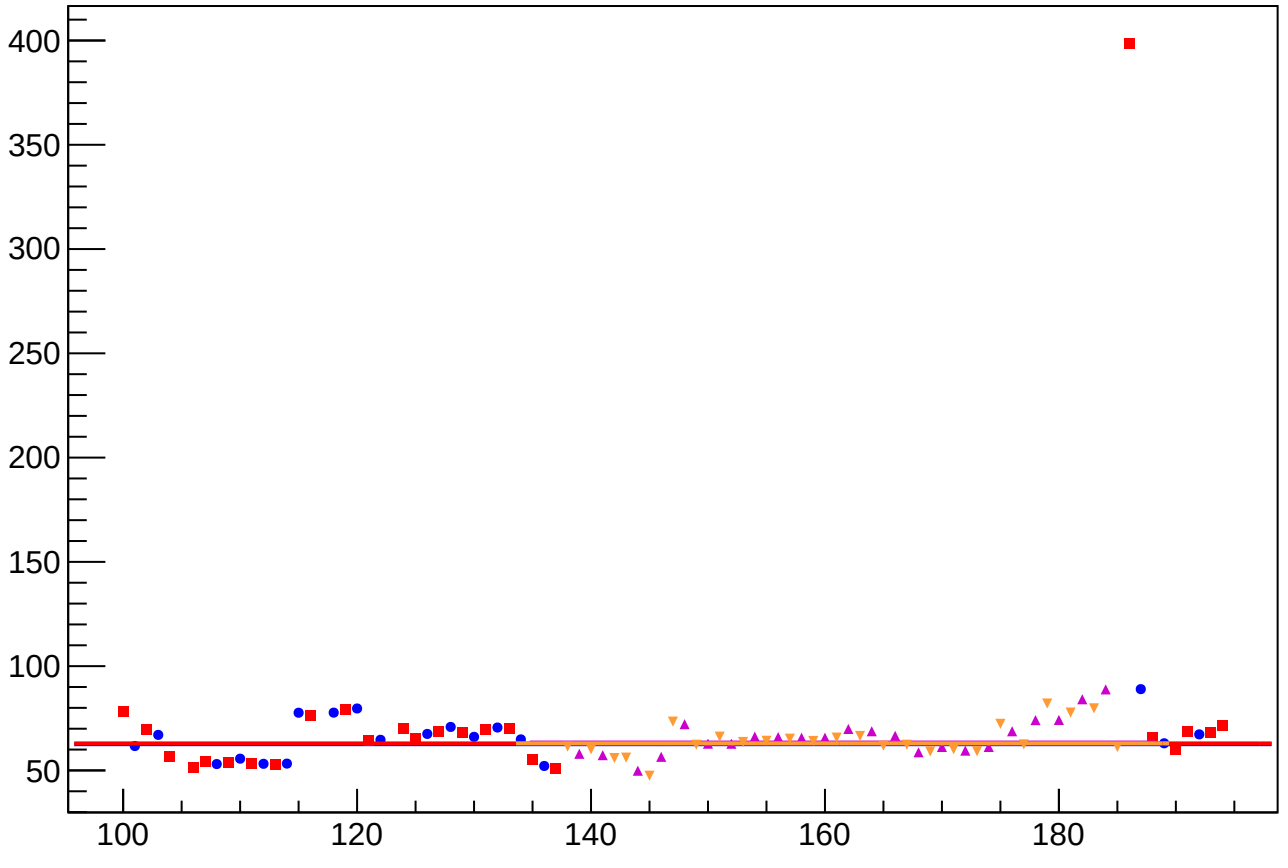
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 4.012+/-14.281 χ^2/NDF: 34.5/43

In: 14.331+/-12.203 χ^2/NDF:37.5/41

Out: -9.828+/-11.567 χ^2/NDF:60.8/49

All: 1.605+/-8.395 χ^2/NDF: 100.4/91



Right In: 62.582+/-0.015 χ^2/NDF: 312795.6/18

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 62.953+/-0.014 χ^2/NDF: 916317.8/24

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

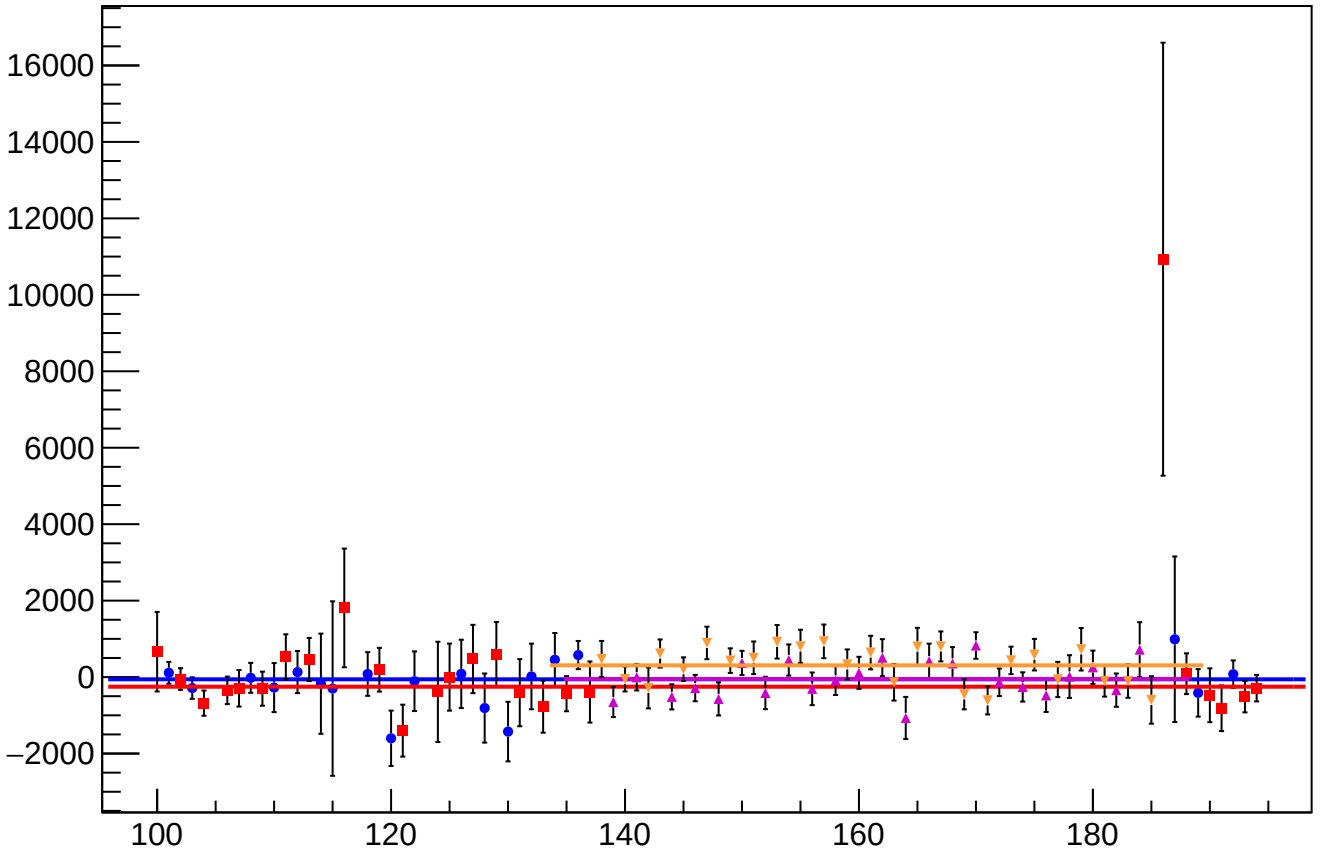
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 62.784+/-0.010 χ^2/NDF: 1229448.2/43

In: 63.105+/-0.009 χ^2/NDF:811550.6/41

Out: 62.968+/-0.008 χ^2/NDF:1443179.5/49

All: 63.033+/-0.006 χ^2/NDF: 2254863.5/91



Right In: -58.101+/-119.524 χ^2/NDF: 13.9/18

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -251.855+/-106.462 χ^2/NDF: 19.9/24

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

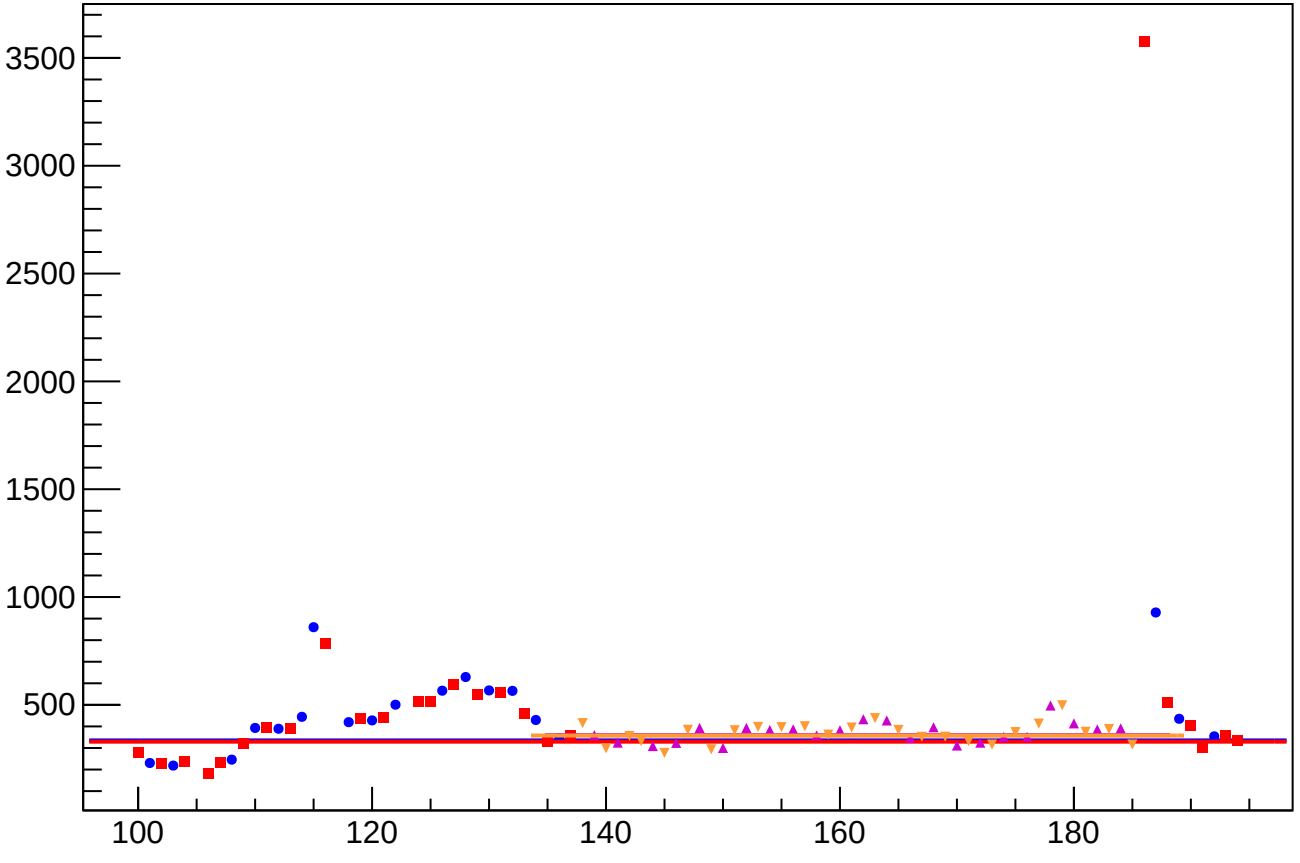
Right: -166.139+/-79.499 χ^2/NDF: 35.3/43

In: -52.733+/-69.182 χ^2/NDF:41.2/41

Out: 97.870+/-65.143 χ^2/NDF:67.8/49

All: 27.093+/-47.427 χ^2/NDF: 111.5/91

asym_sam_37_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 335.087+/-0.085 χ^2/NDF: 1951071.5/18

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 329.302+/-0.075 χ^2/NDF: 2757781.3/24

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

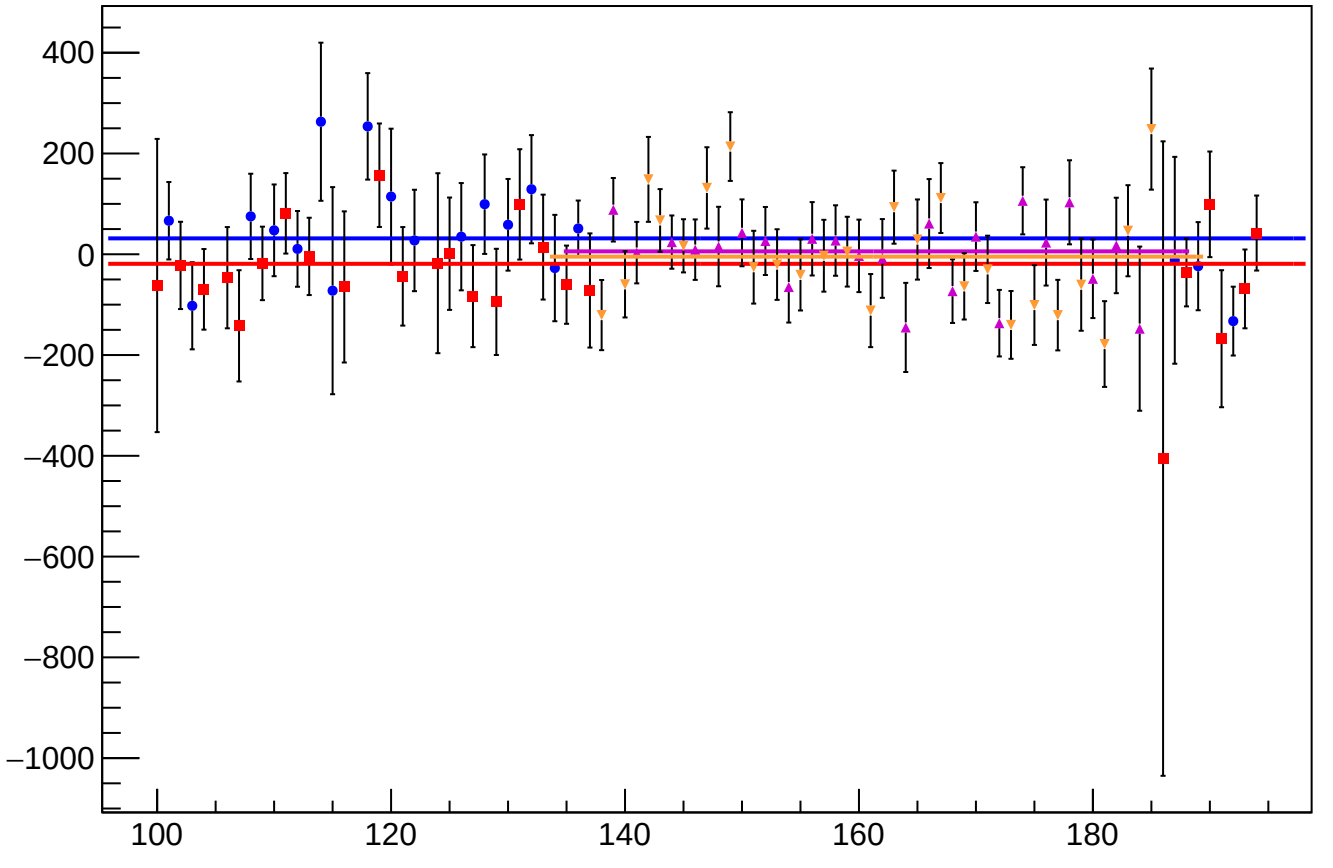
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 331.861+/-0.056 χ^2/NDF: 4711465.5/43

In: 351.221+/-0.049 χ^2/NDF:2525637.4/41

Out: 347.087+/-0.046 χ^2/NDF:3530728.9/49

All: 349.030+/-0.034 χ^2/NDF: 6060151.7/91



Right In: 31.540+/-21.176 χ^2/NDF: 18.3/18

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -18.954+/-19.341 χ^2/NDF: 13.1/24

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

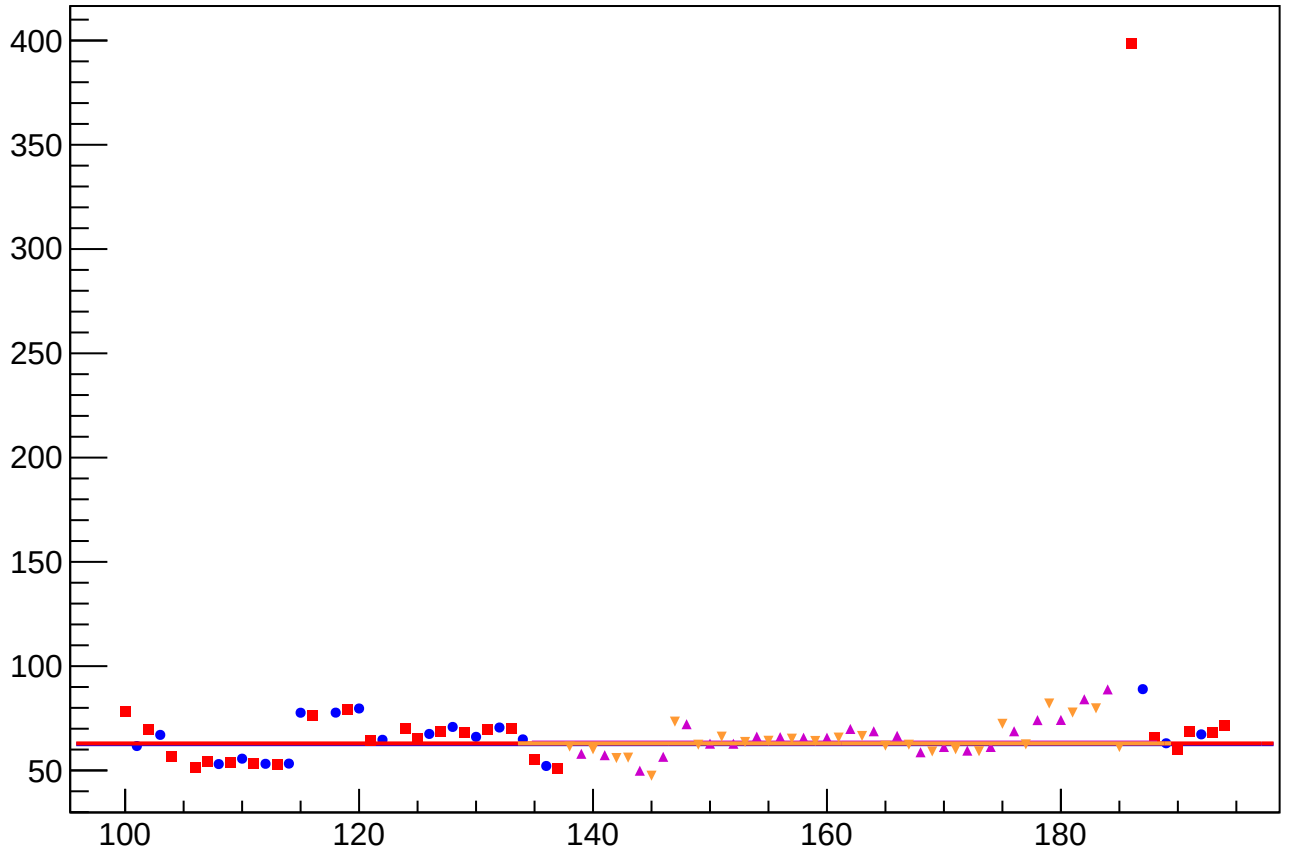
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 4.012+/-14.281 χ^2/NDF: 34.5/43

In: 14.331+/-12.203 χ^2/NDF:37.5/41

Out: -9.828+/-11.567 χ^2/NDF:60.8/49

All: 1.605+/-8.395 χ^2/NDF: 100.4/91



Right In: 62.582+/-0.015 χ^2/NDF: 312795.6/18

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 62.953+/-0.014 χ^2/NDF: 916317.8/24

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

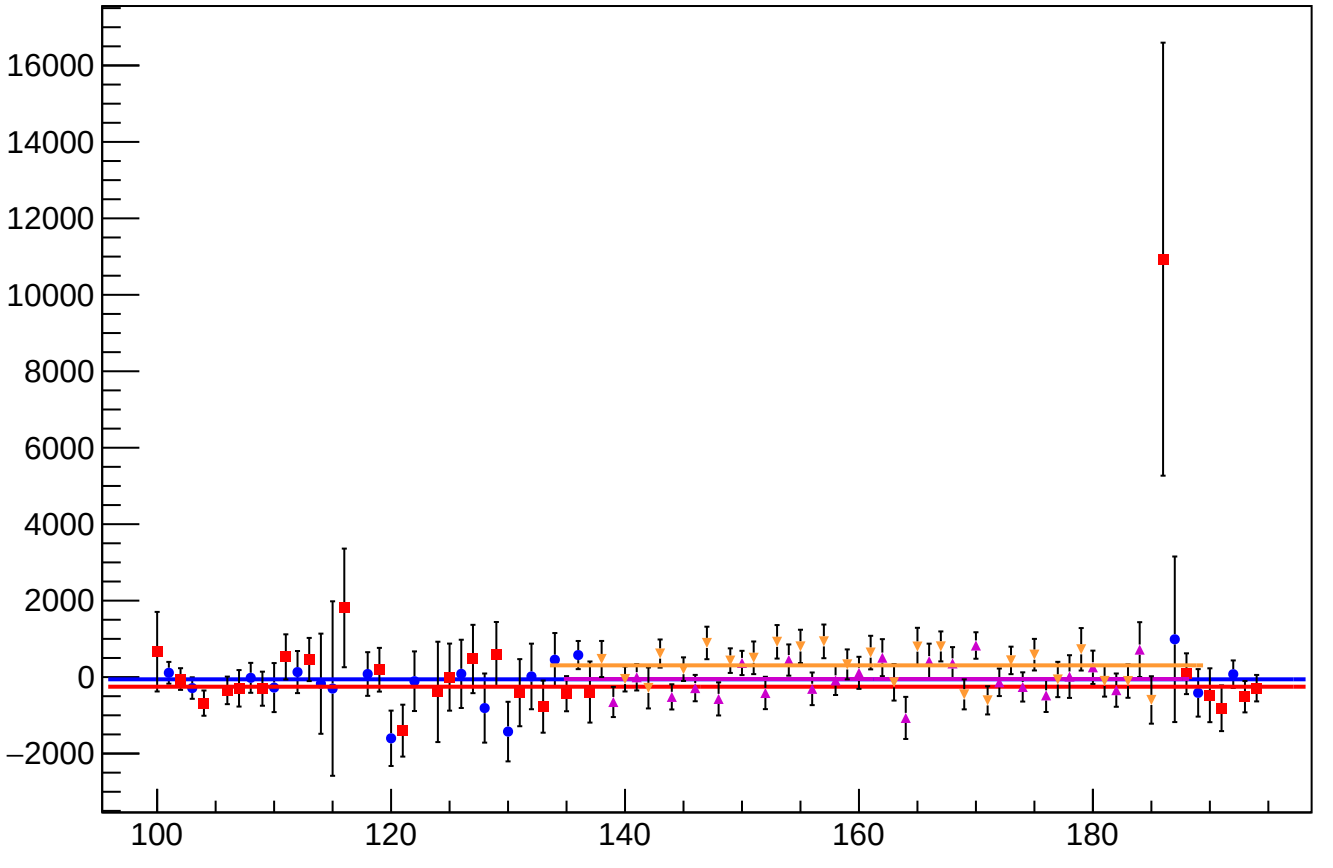
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 62.784+/-0.010 χ^2/NDF: 1229448.2/43

In: 63.105+/-0.009 χ^2/NDF:811550.6/41

Out: 62.968+/-0.008 χ^2/NDF:1443179.5/49

All: 63.033+/-0.006 χ^2/NDF: 2254863.5/91



Right In: -58.101+/-119.524 χ^2/NDF: 13.9/18

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -251.855+/-106.462 χ^2/NDF: 19.9/24

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

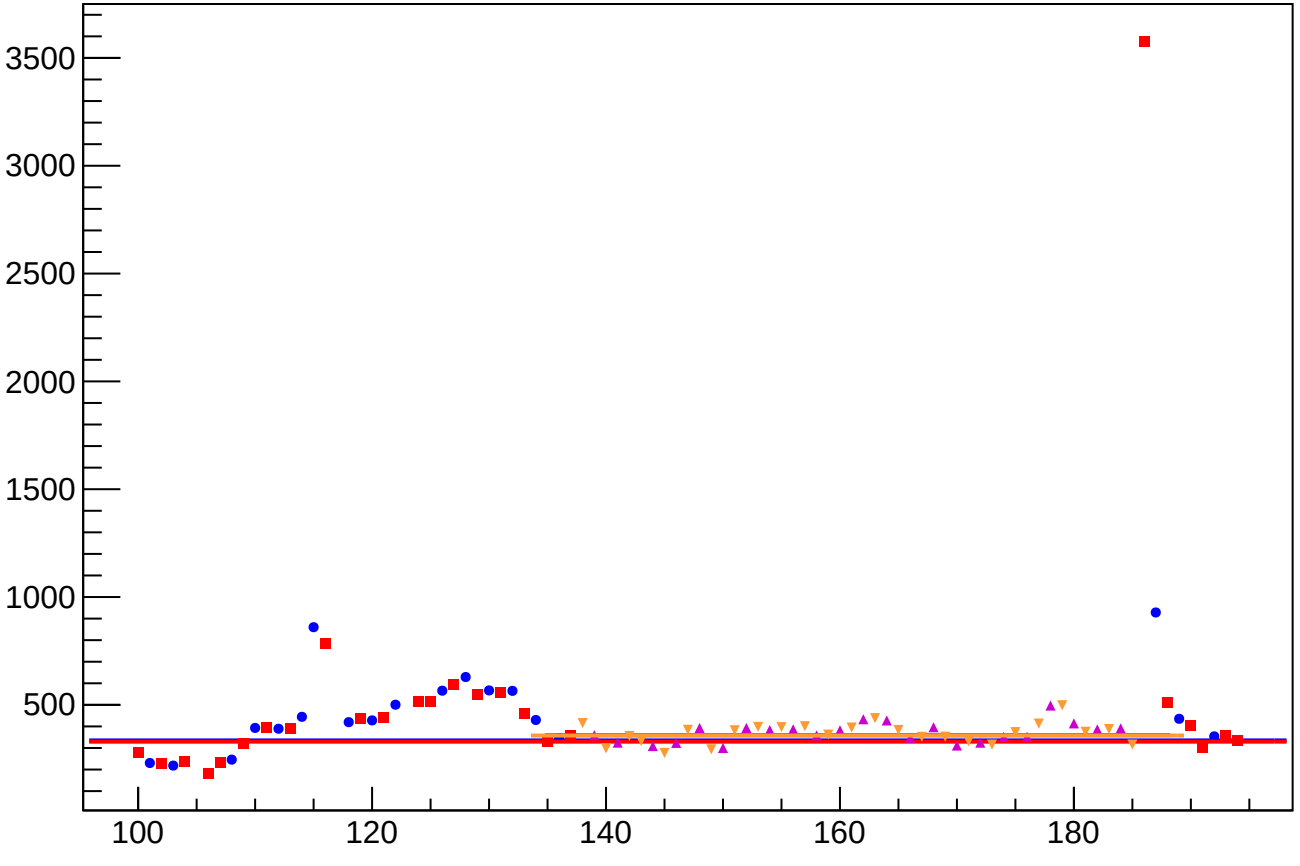
Right: -166.139+/-79.499 χ^2/NDF: 35.3/43

In: -52.733+/-69.182 χ^2/NDF:41.2/41

Out: 97.870+/-65.143 χ^2/NDF:67.8/49

All: 27.093+/-47.427 χ^2/NDF: 111.5/91

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 335.087+/-0.085 χ^2/NDF: 1951071.5/18

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 329.302+/-0.075 χ^2/NDF: 2757781.3/24

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

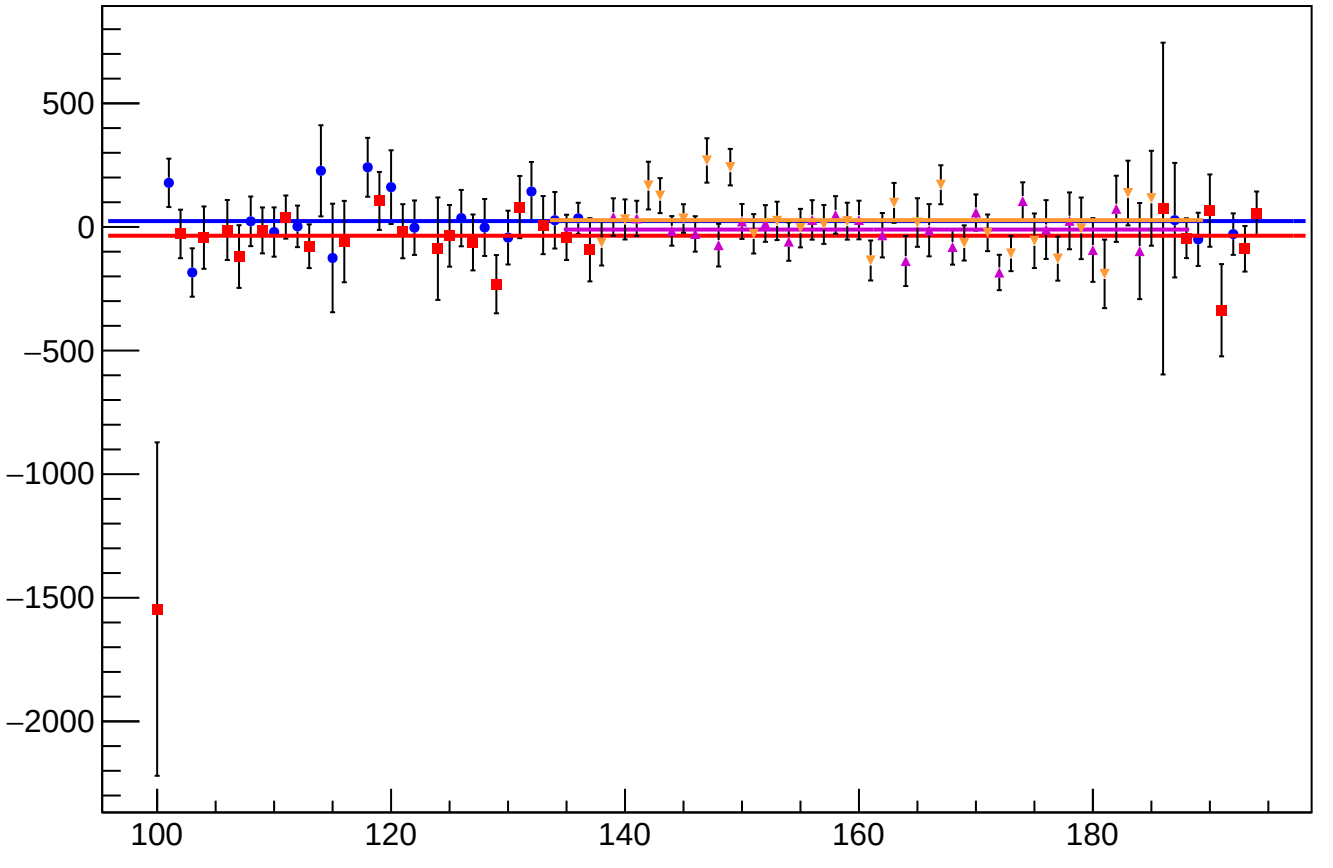
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 331.861+/-0.056 χ^2/NDF: 4711465.5/43

In: 351.221+/-0.049 χ^2/NDF:2525637.4/41

Out: 347.087+/-0.046 χ^2/NDF:3530728.9/49

All: 349.030+/-0.034 χ^2/NDF: 6060151.7/91



Right In: 23.779+/-24.397 χ^2/NDF: 15.5/18

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: -35.471+/-22.955 χ^2/NDF: 16.6/24

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

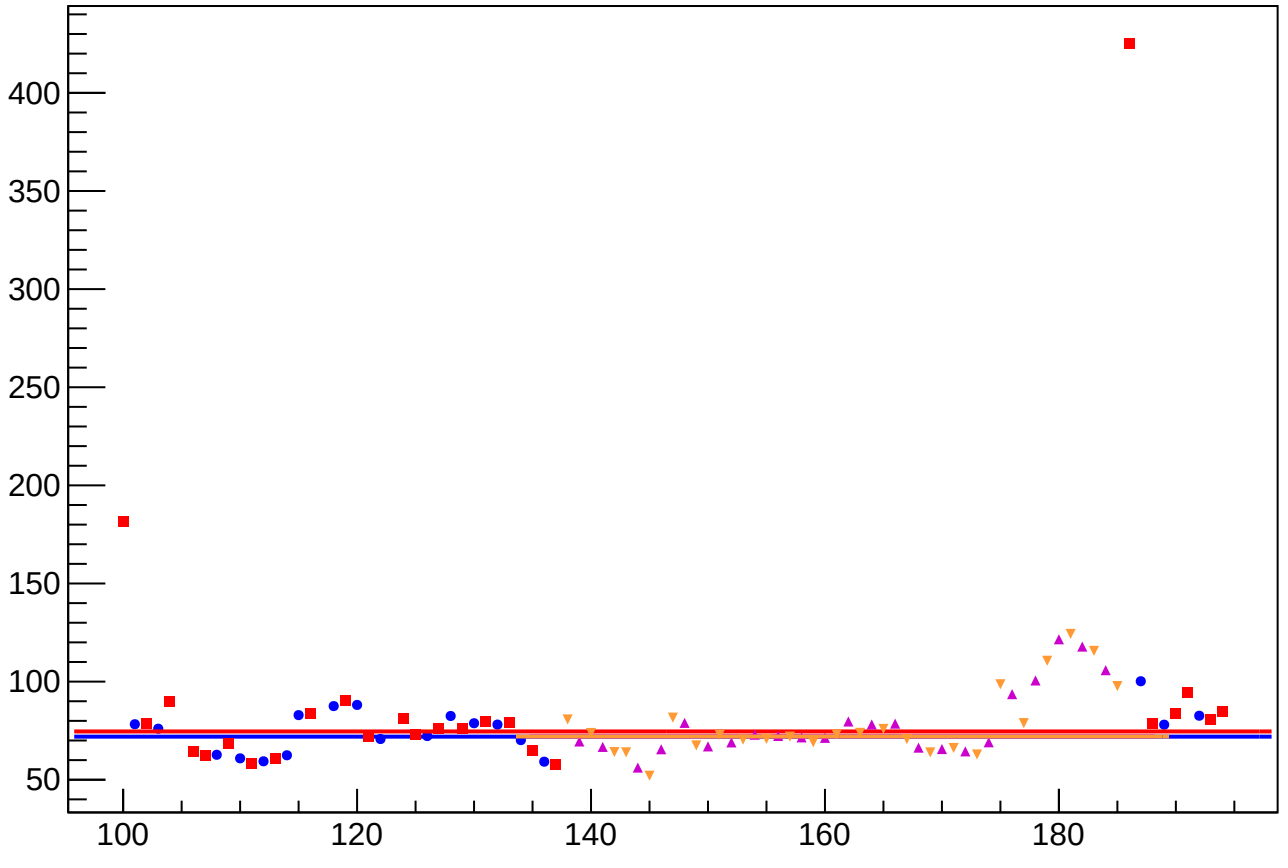
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: -7.649+/-16.718 χ^2/NDF: 35.3/43

In: 0.889+/-14.071 χ^2/NDF:32.9/41

Out: 5.717+/-13.527 χ^2/NDF:63.9/49

All: 3.398+/-9.752 χ^2/NDF: 96.9/91



Right In: 71.958+/-0.017 χ^2/NDF: 346863.6/18

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 74.609+/-0.016 χ^2/NDF: 969990.7/24

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

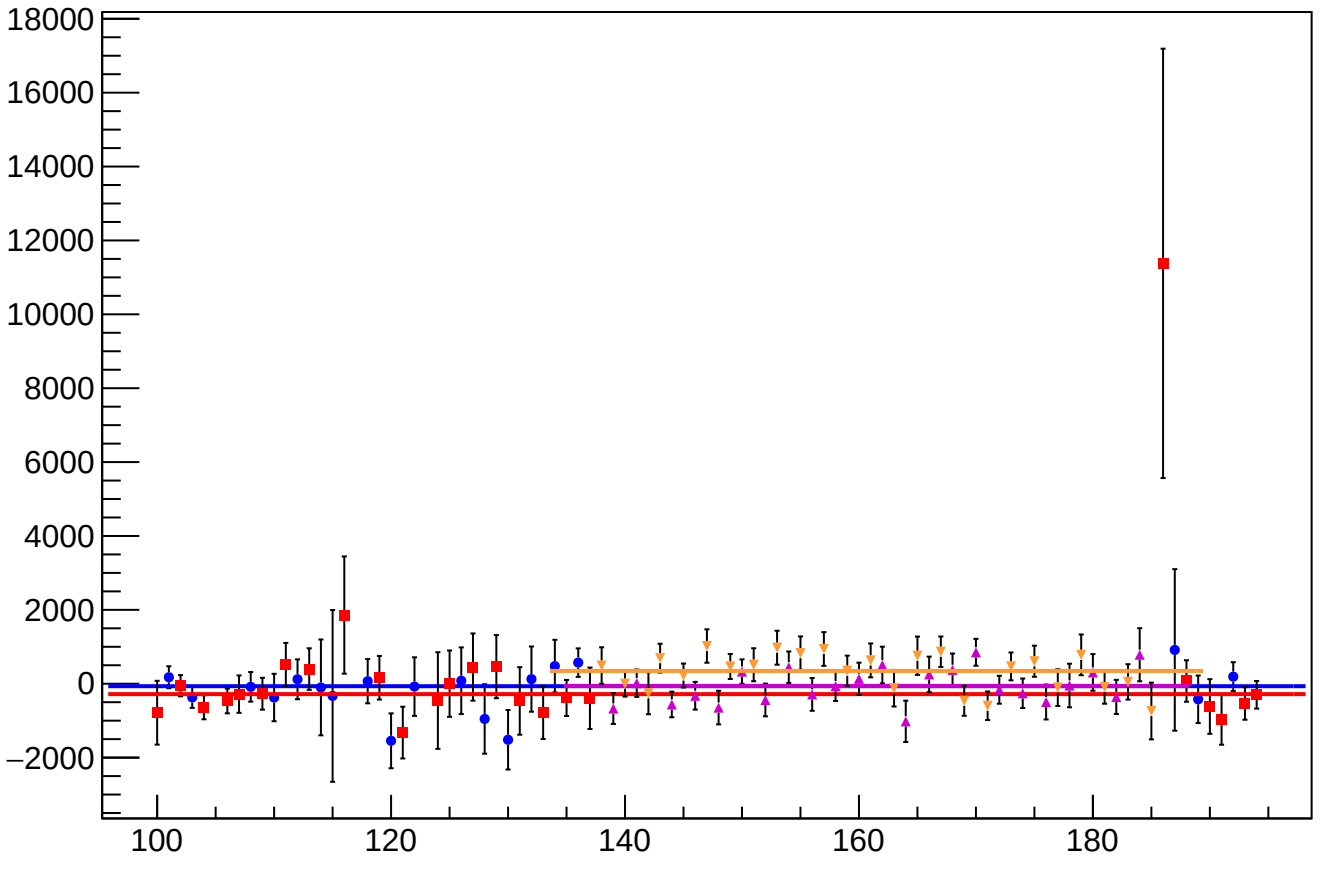
Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

Right: 73.364+/-0.012 χ^2/NDF: 1329380.7/43

In: 72.048+/-0.010 χ^2/NDF:1405761.2/41

Out: 72.933+/-0.010 χ^2/NDF:2255805.3/49

All: 72.507+/-0.007 χ^2/NDF: 3665678.3/91



Right In: -66.935+/-123.281 χ^2/NDF: 14.7/18

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: -281.268+/-108.317 χ^2/NDF: 18.5/24

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

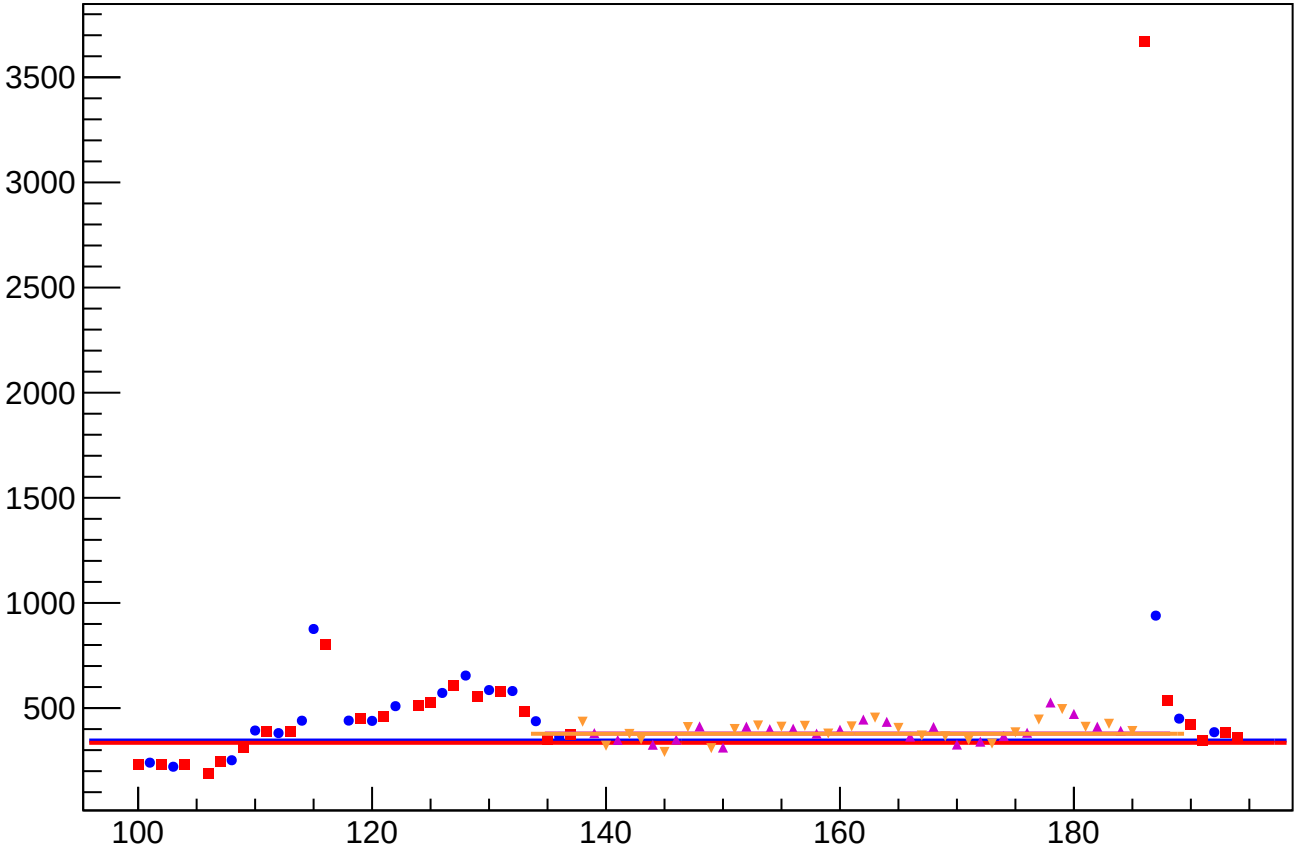
Right: -187.893+/-81.371 χ^2/NDF: 34.9/43

In: -62.330+/-72.379 χ^2/NDF:40.5/41

Out: 100.614+/-67.745 χ^2/NDF:67.9/49

All: 24.525+/-49.460 χ^2/NDF: 111.1/91

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 345.648+/-0.087 χ^2/NDF: 1965477.0/18

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 334.818+/-0.077 χ^2/NDF: 2946753.5/24

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

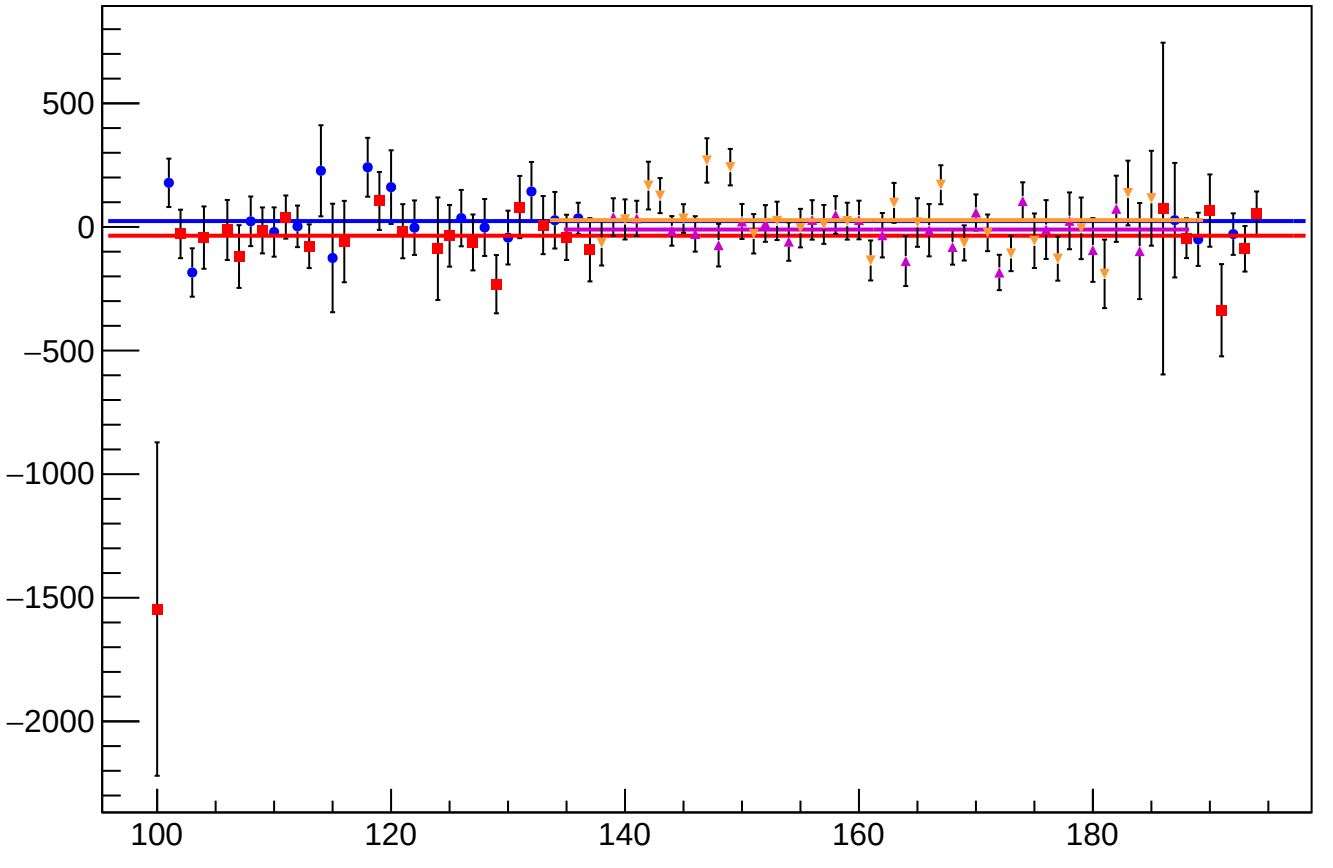
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 339.536+/-0.058 χ^2/NDF: 4920941.3/43

In: 367.418+/-0.051 χ^2/NDF:2588335.3/41

Out: 360.984+/-0.048 χ^2/NDF:3775179.2/49

All: 363.989+/-0.035 χ^2/NDF: 6371937.1/91



Right In: 23.778+/-24.397 χ^2/NDF: 15.5/18

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: -35.471+/-22.955 χ^2/NDF: 16.6/24

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

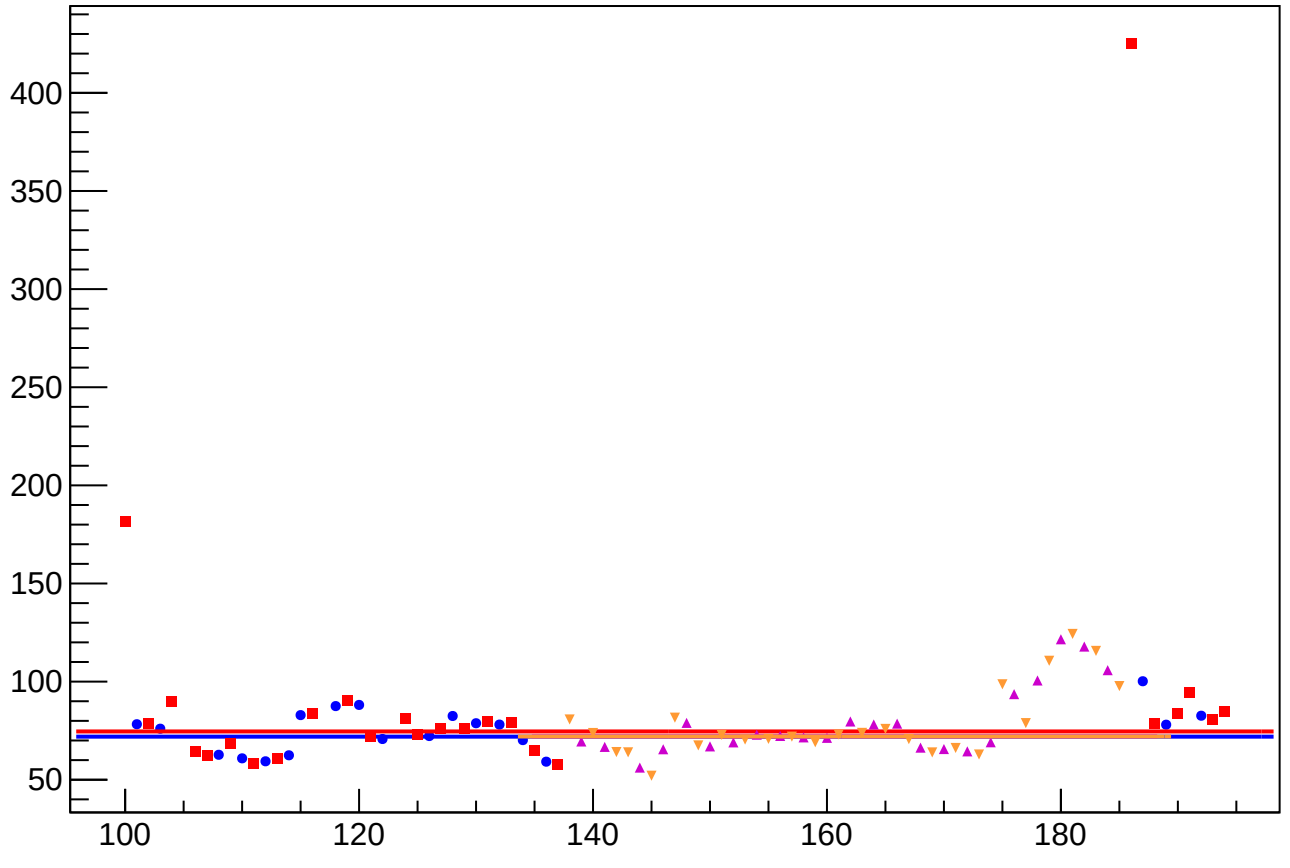
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: -7.649+/-16.718 χ^2/NDF: 35.3/43

In: 0.889+/-14.071 χ^2/NDF:32.9/41

Out: 5.717+/-13.527 χ^2/NDF:63.9/49

All: 3.398+/-9.752 χ^2/NDF: 96.9/91



Right In: 71.958+/-0.017 χ^2/NDF: 346859.2/18

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

Right Out: 74.609+/-0.016 χ^2/NDF: 969989.2/24

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

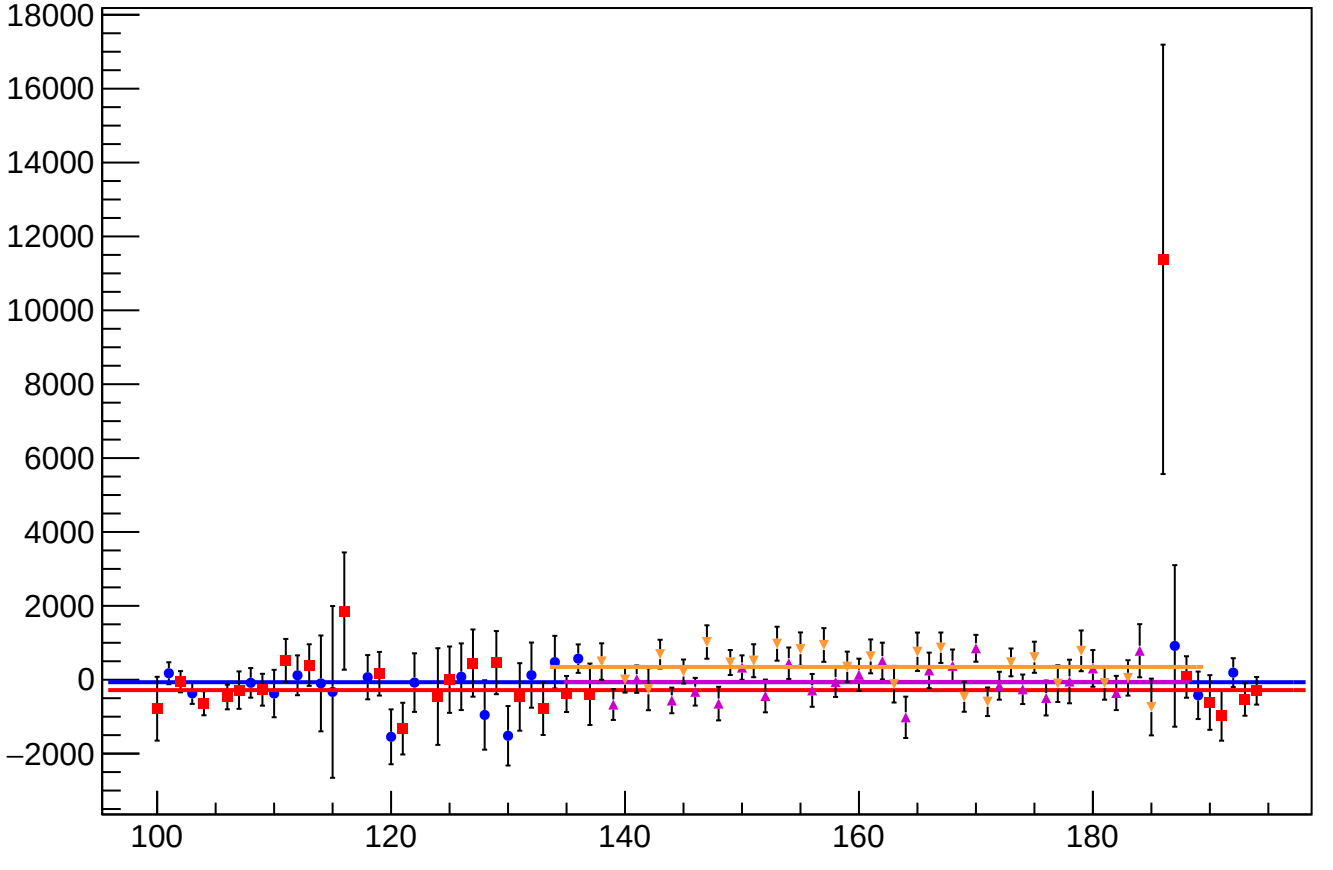
Right: 73.364+/-0.012 χ^2/NDF: 1329374.2/43

In: 72.047+/-0.010 χ^2/NDF:1405747.0/41

Out: 72.932+/-0.010 χ^2/NDF:2255811.1/49

All: 72.507+/-0.007 χ^2/NDF: 3665669.8/91

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -66.936+/-123.281 χ^2/NDF: 14.7/18

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

Right Out: -281.267+/-108.317 χ^2/NDF: 18.5/24

Left In: -59.907+/-89.411 χ^2/NDF:25.8/22

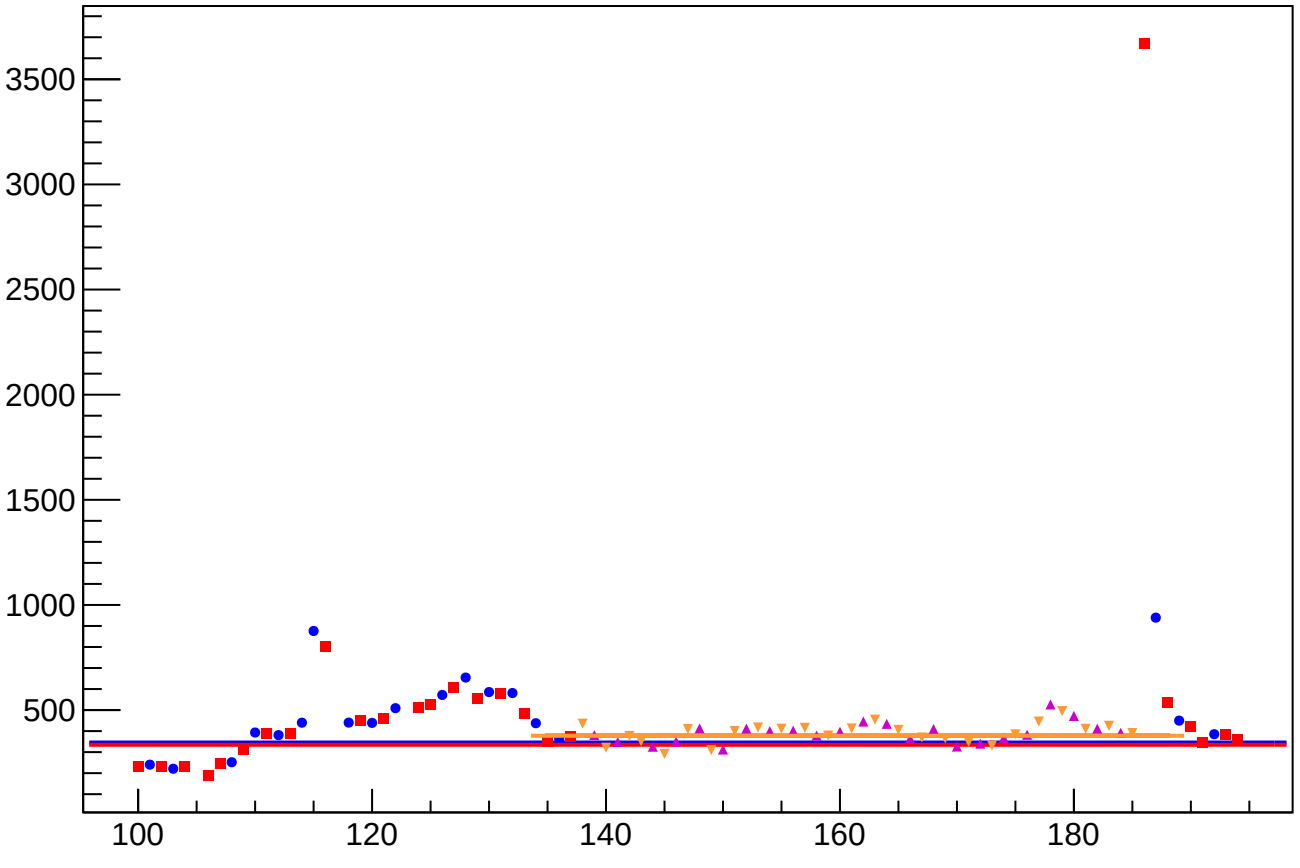
Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

Right: -187.893+/-81.371 χ^2/NDF: 34.9/43

In: -62.330+/-72.379 χ^2/NDF:40.5/41

Out: 100.614+/-67.745 χ^2/NDF:67.9/49

All: 24.525+/-49.460 χ^2/NDF: 111.1/91



Right In: 345.648+/-0.087 χ^2/NDF: 1965471.7/18

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 334.817+/-0.077 χ^2/NDF: 2946742.6/24

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

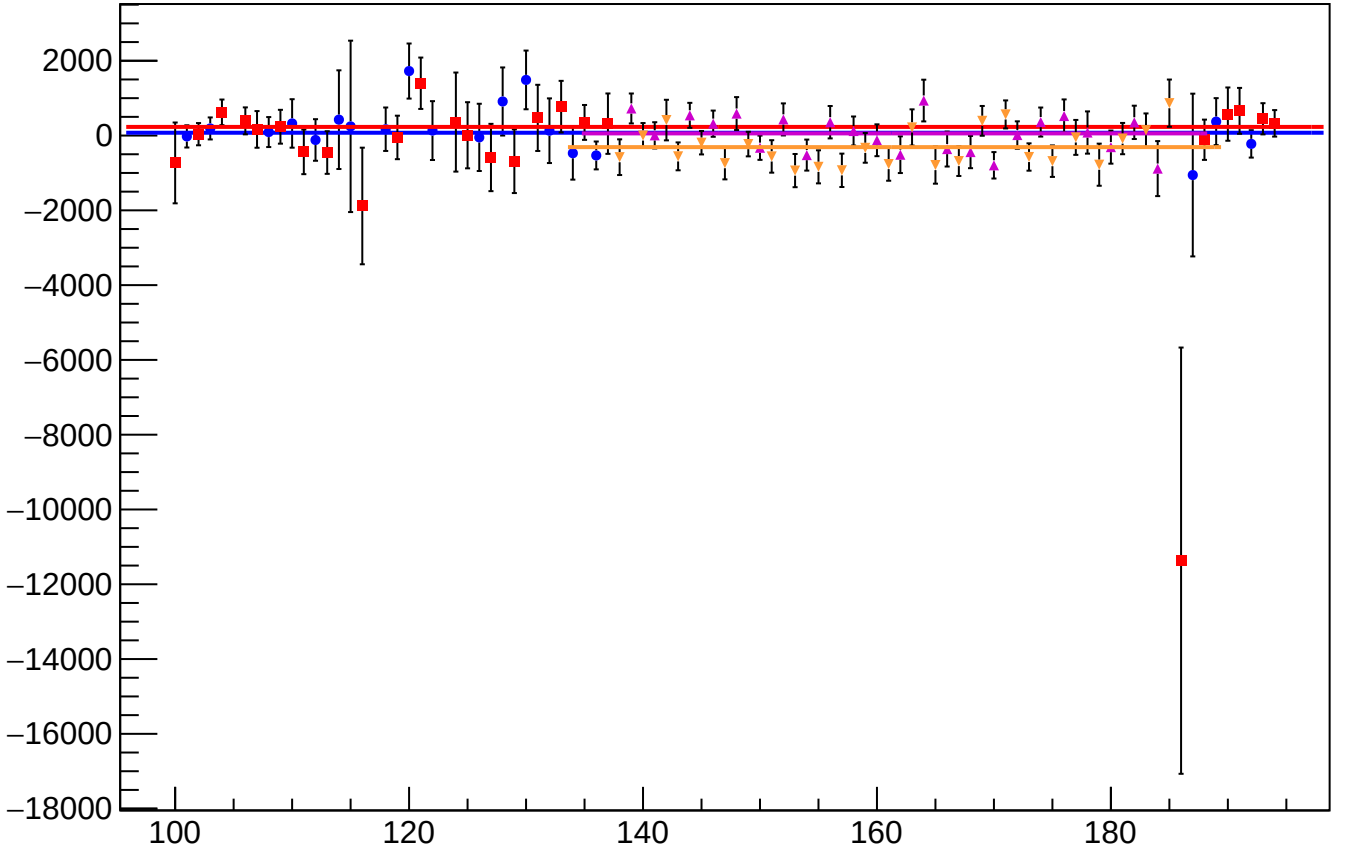
Right: 339.536+/-0.058 χ^2/NDF: 4920925.4/43

In: 367.418+/-0.051 χ^2/NDF:2588324.3/41

Out: 360.984+/-0.048 χ^2/NDF:3775167.1/49

All: 363.988+/-0.035 χ^2/NDF: 6371914.3/91

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 75.159+/-122.452 χ^2/NDF: 14.2/18

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: 231.119+/-108.715 χ^2/NDF: 18.8/24

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

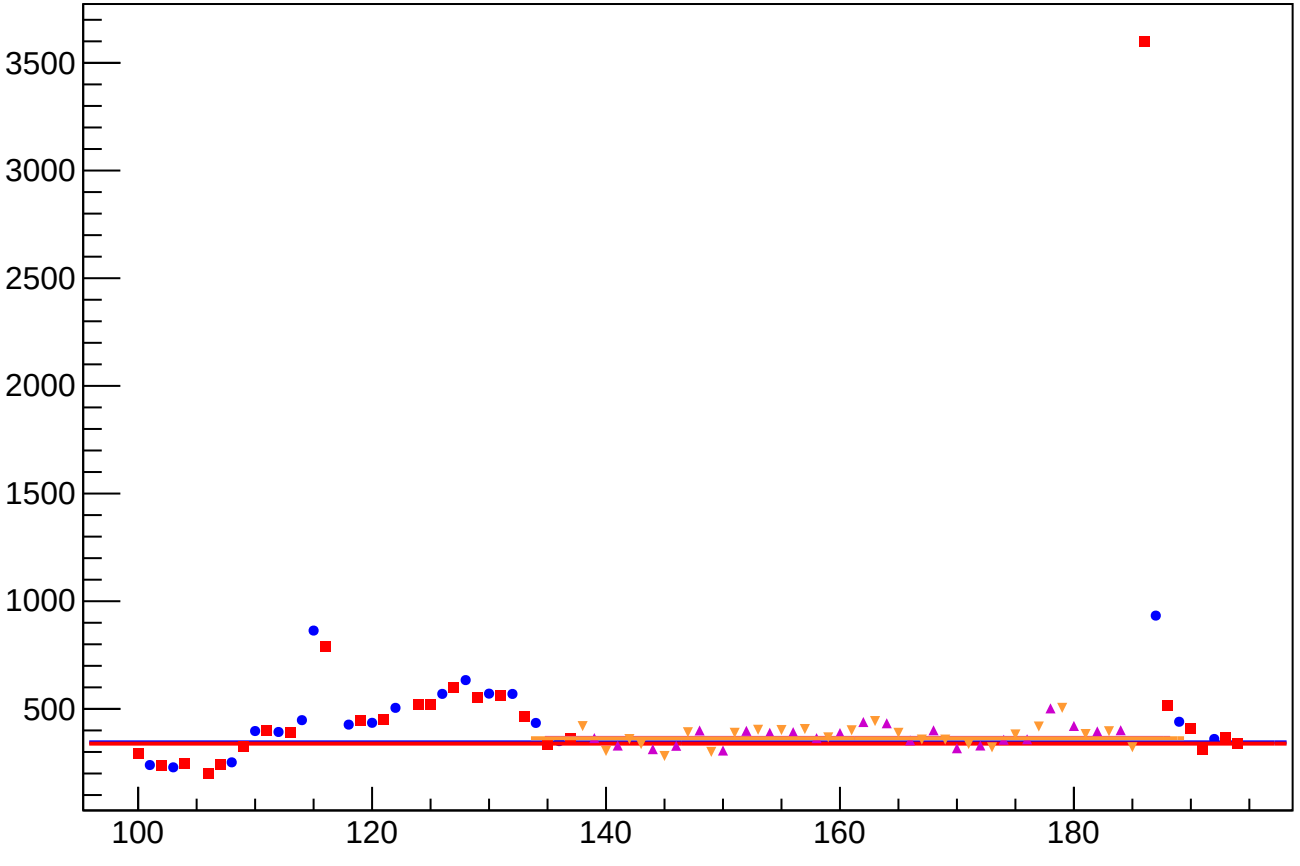
Right: 162.374+/-81.298 χ^2/NDF: 33.9/43

In: 63.383+/-70.500 χ^2/NDF:42.2/41

Out: -108.182+/-66.324 χ^2/NDF:64.3/49

All: -27.632+/-48.307 χ^2/NDF: 109.6/91

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 344.659+/-0.087 χ^2/NDF: 1823639.2/18

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

Right Out: 338.758+/-0.077 χ^2/NDF: 2590889.2/24

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

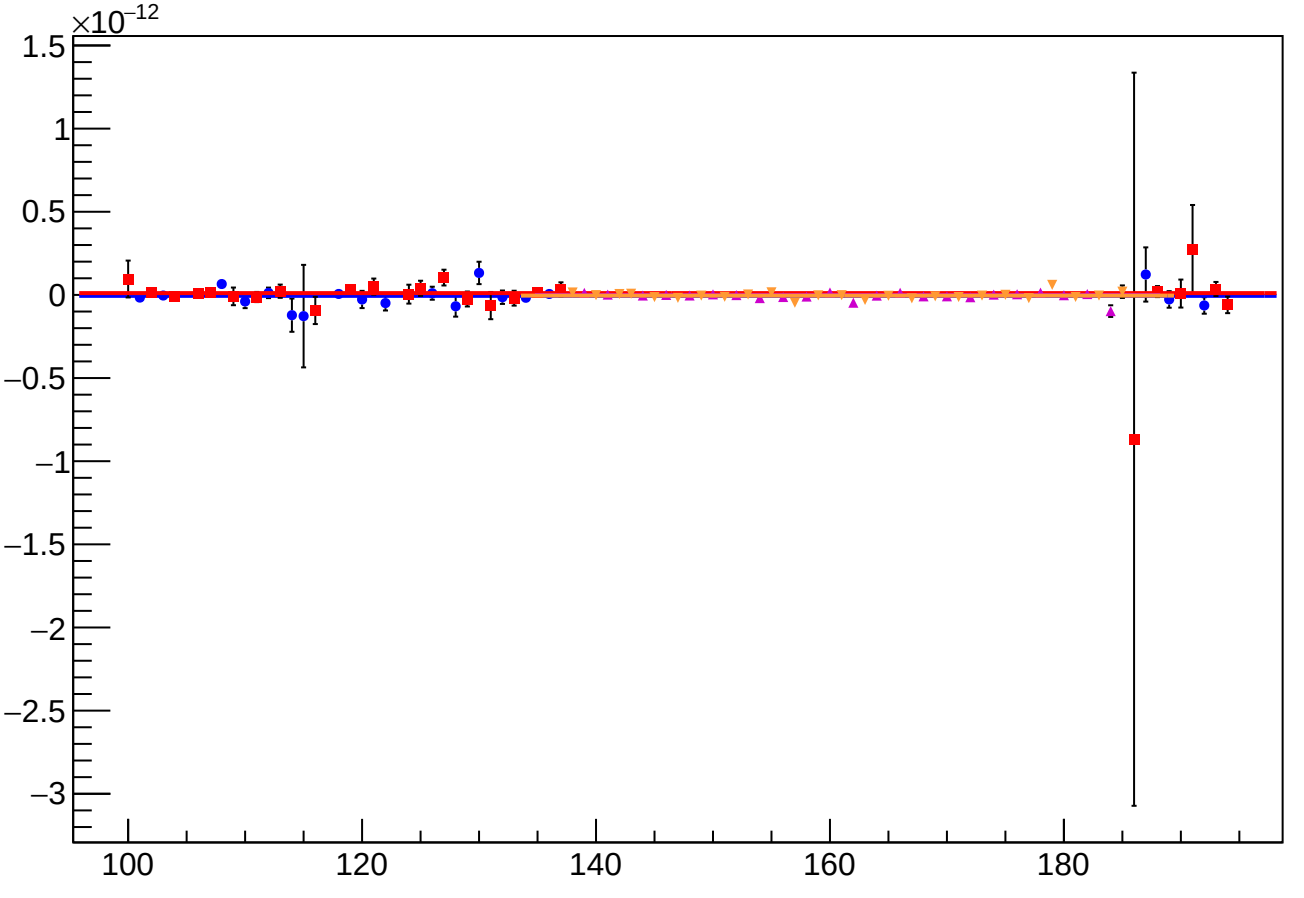
Right: 341.359+/-0.057 χ^2/NDF: 4417125.6/43

In: 358.474+/-0.050 χ^2/NDF:2371215.3/41

Out: 354.426+/-0.047 χ^2/NDF:3326299.2/49

All: 356.326+/-0.034 χ^2/NDF: 5701012.9/91

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/24

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

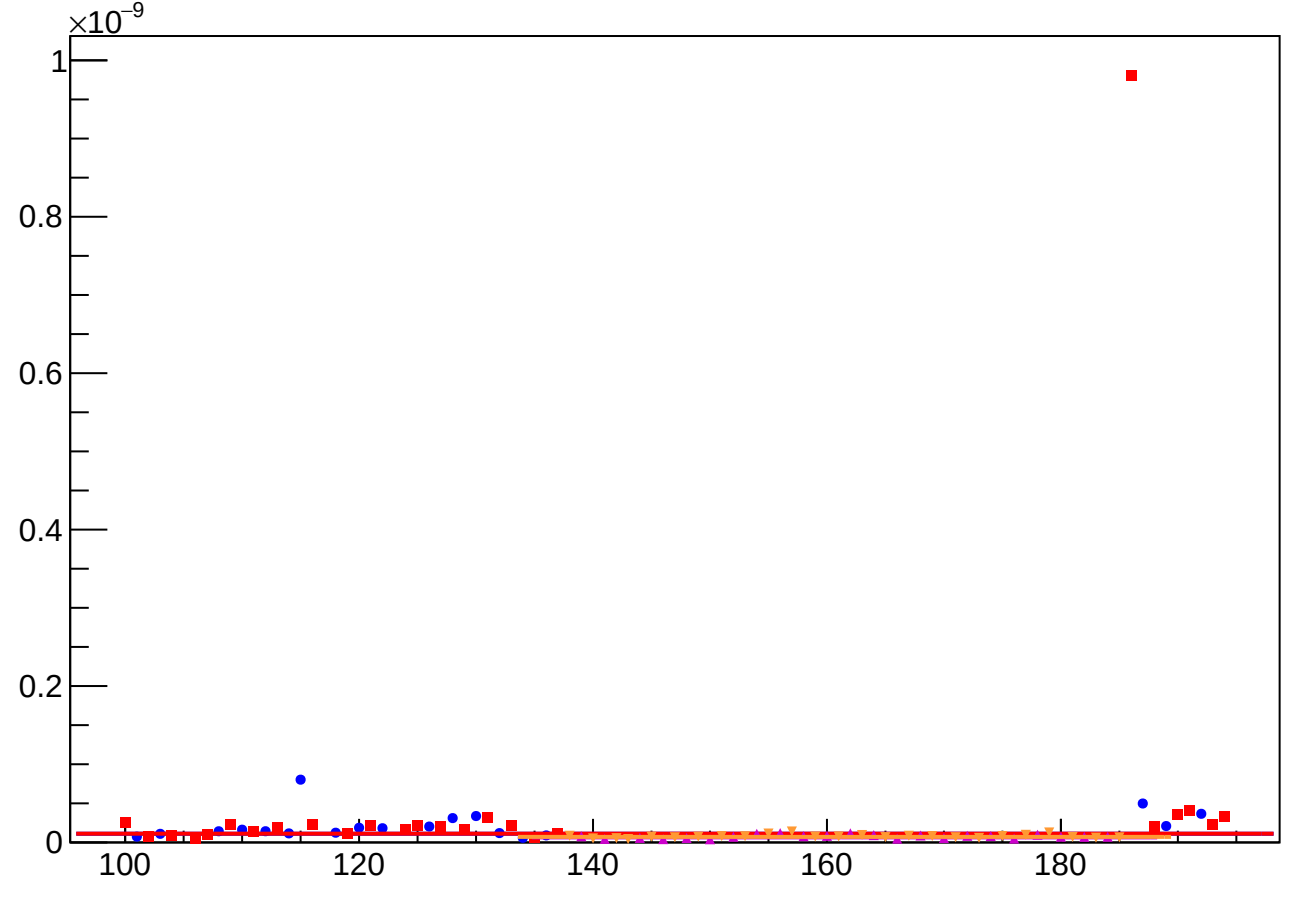
Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

Right: 0.000+/-0.000 χ^2/NDF: 38.1/43

In: -0.000+/-0.000 χ^2/NDF:40.8/41

Out: -0.000+/-0.000 χ^2/NDF:42.9/49

All: -0.000+/-0.000 χ^2/NDF: 83.7/91



Right In: 0.000+/-0.000 χ^2/NDF: 1924409.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2795394.6/24

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

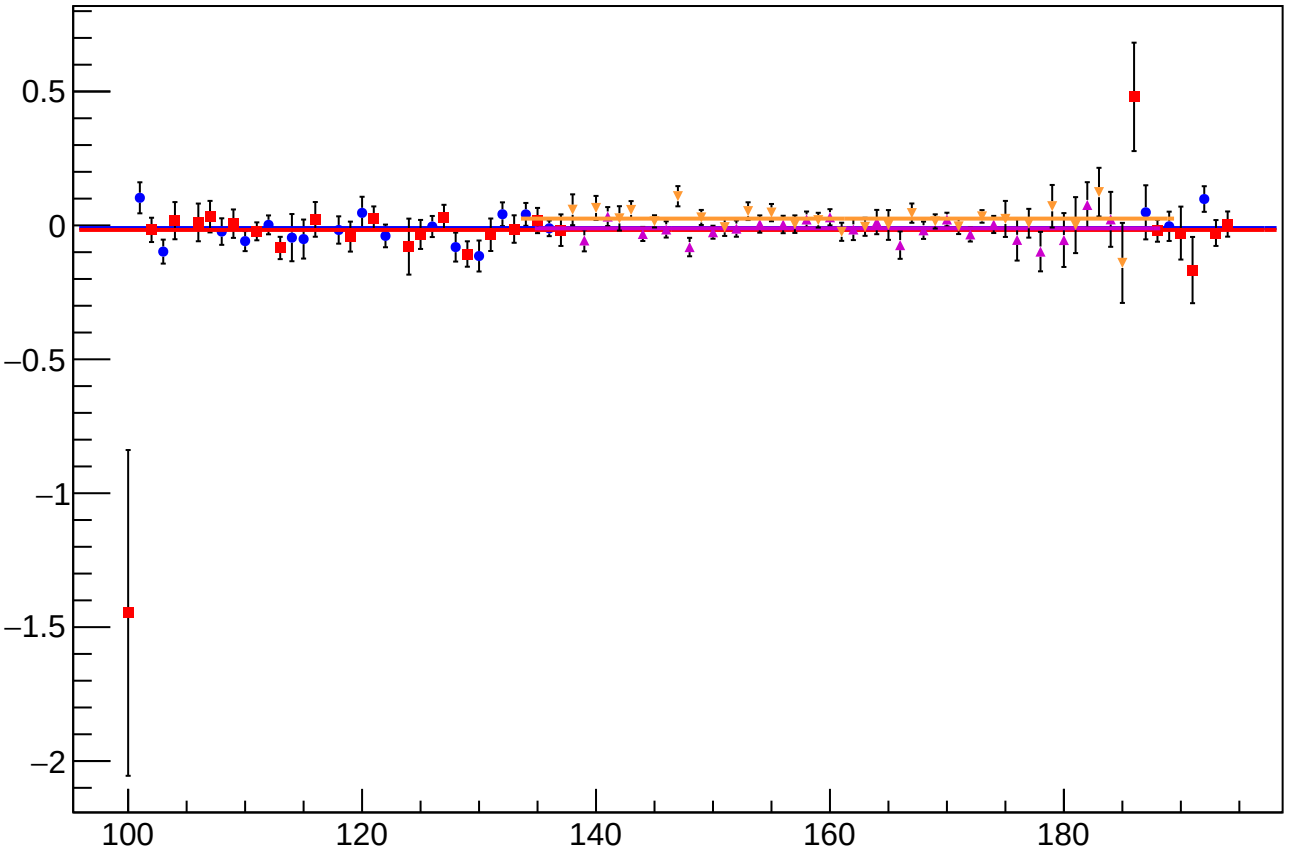
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 4720029.9/43

In: 0.000+/-0.000 χ^2/NDF:4060040.9/41

Out: 0.000+/-0.000 χ^2/NDF:4407632.7/49

All: 0.000+/-0.000 χ^2/NDF: 8531541.9/91



Right In: -0.010+/-0.011 χ^2/NDF: 24.7/18

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.017+/-0.011 χ^2/NDF: 24.6/24

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

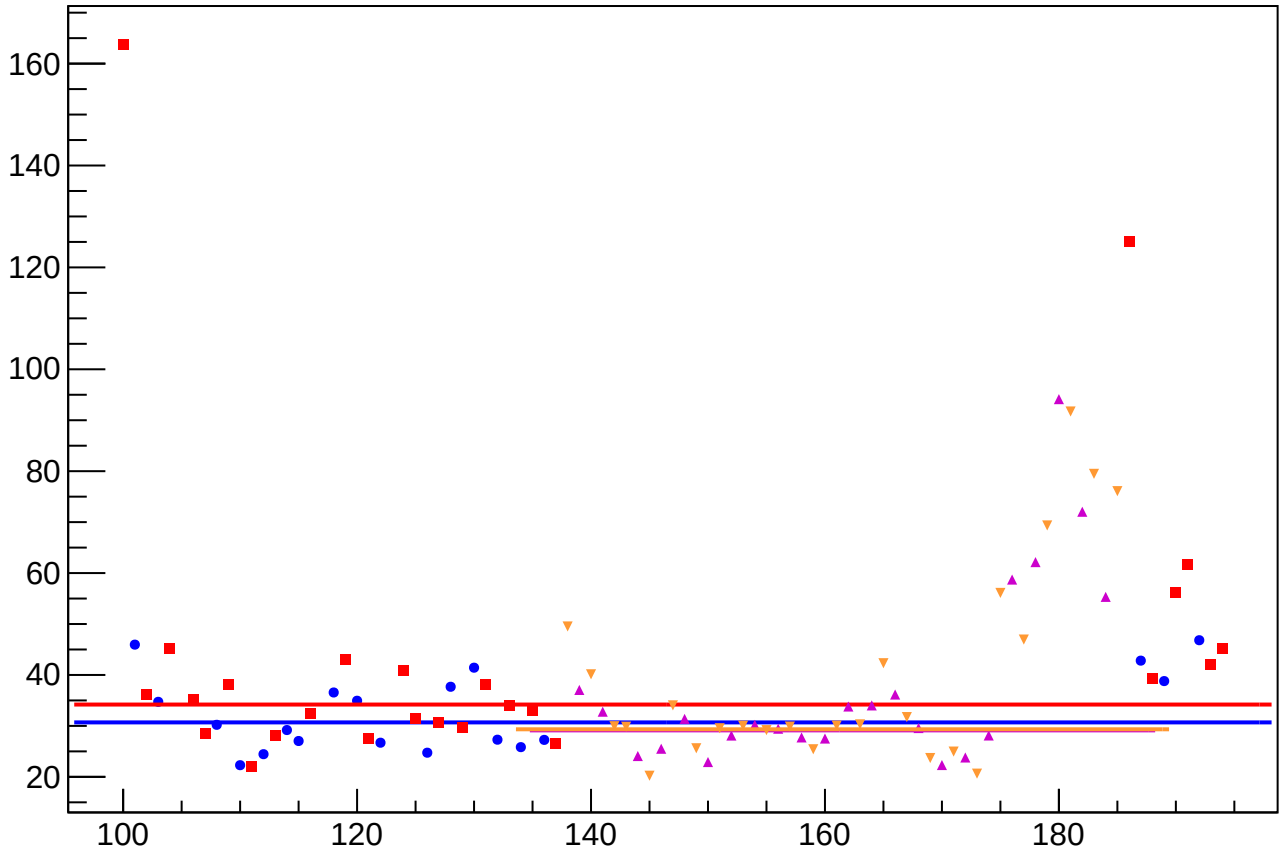
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.013+/-0.008 χ^2/NDF: 49.5/43

In: -0.011+/-0.006 χ^2/NDF:43.7/41

Out: 0.012+/-0.006 χ^2/NDF:52.6/49

All: 0.001+/-0.004 χ^2/NDF: 103.7/91



Right In: 30.688+/-0.008 χ^2/NDF: 891904.5/18

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 34.192+/-0.008 χ^2/NDF: 1455630.5/24

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

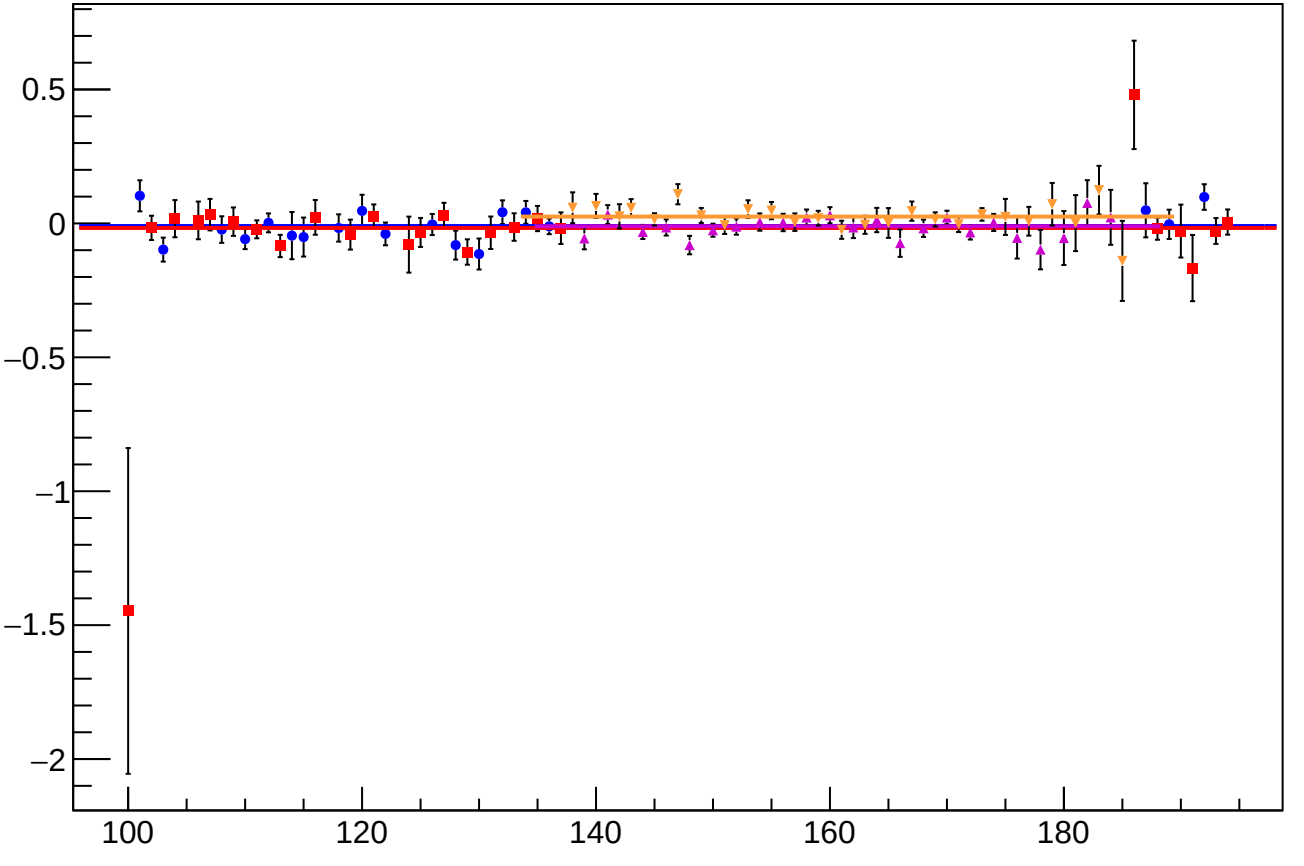
Right: 32.426+/-0.005 χ^2/NDF: 2452738.9/43

In: 29.617+/-0.004 χ^2/NDF:3759957.8/41

Out: 30.814+/-0.004 χ^2/NDF:5609328.5/49

All: 30.221+/-0.003 χ^2/NDF: 9408911.8/91

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.011 χ^2/NDF: 24.7/18

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.017+/-0.011 χ^2/NDF: 24.6/24

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

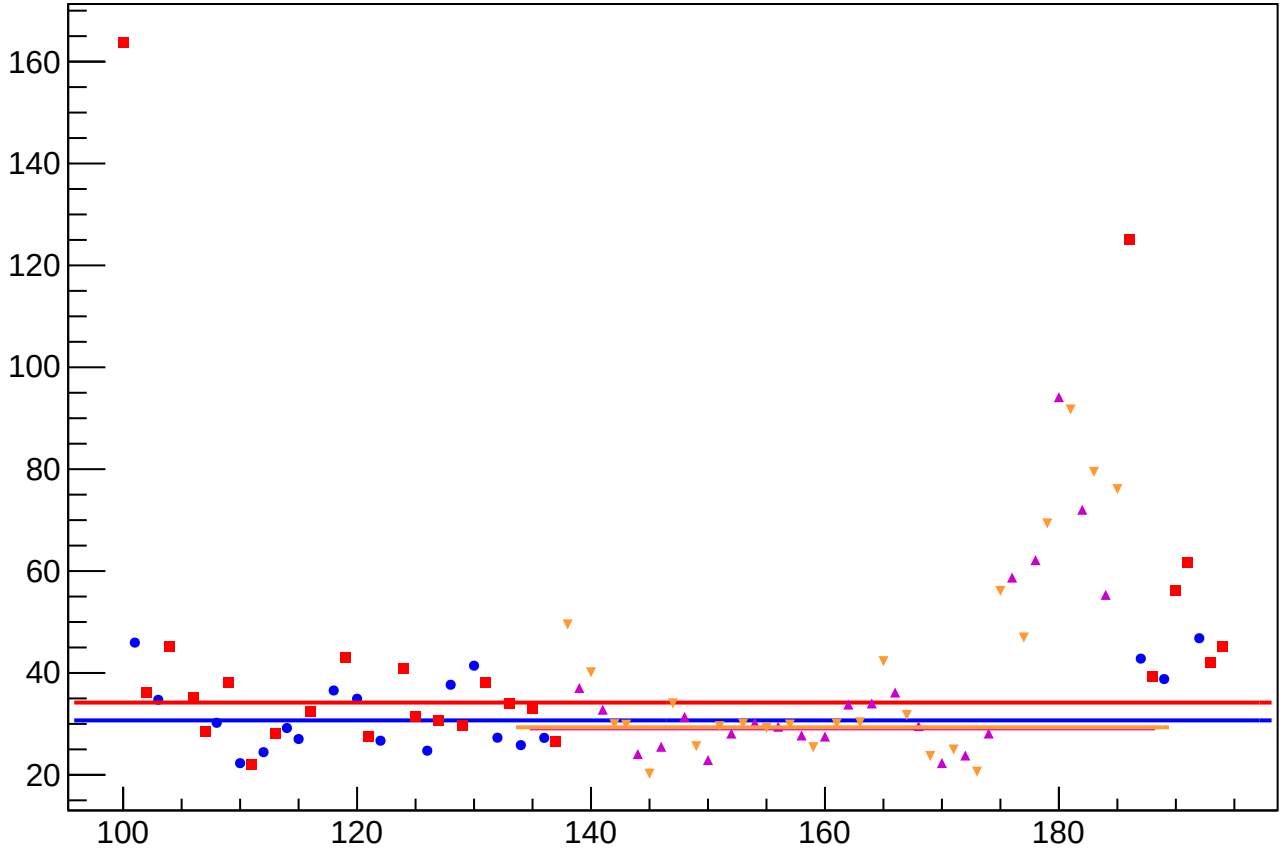
Right: -0.013+/-0.008 χ^2/NDF: 49.5/43

In: -0.011+/-0.006 χ^2/NDF:43.7/41

Out: 0.012+/-0.006 χ^2/NDF:52.6/49

All: 0.001+/-0.004 χ^2/NDF: 103.7/91

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.688+/-0.008 χ^2/NDF: 891904.5/18

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 34.192+/-0.008 χ^2/NDF: 1455630.5/24

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

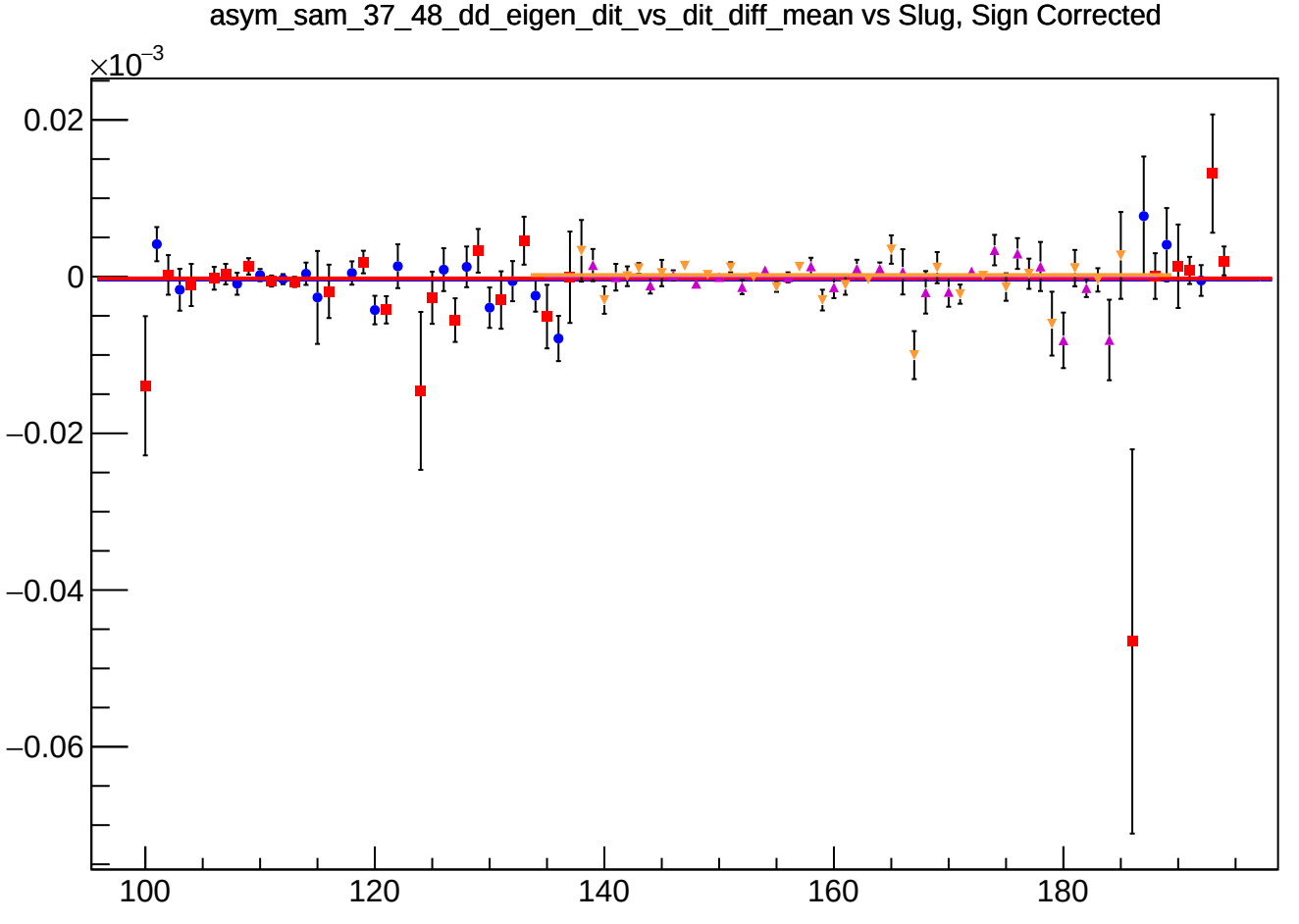
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 32.426+/-0.005 χ^2/NDF: 2452738.9/43

In: 29.617+/-0.004 χ^2/NDF:3759957.8/41

Out: 30.814+/-0.004 χ^2/NDF:5609328.5/49

All: 30.221+/-0.003 χ^2/NDF: 9408911.8/91



Right In: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.1/24

Left In: -0.000+/-0.000 χ^2/NDF:32.9/22

Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

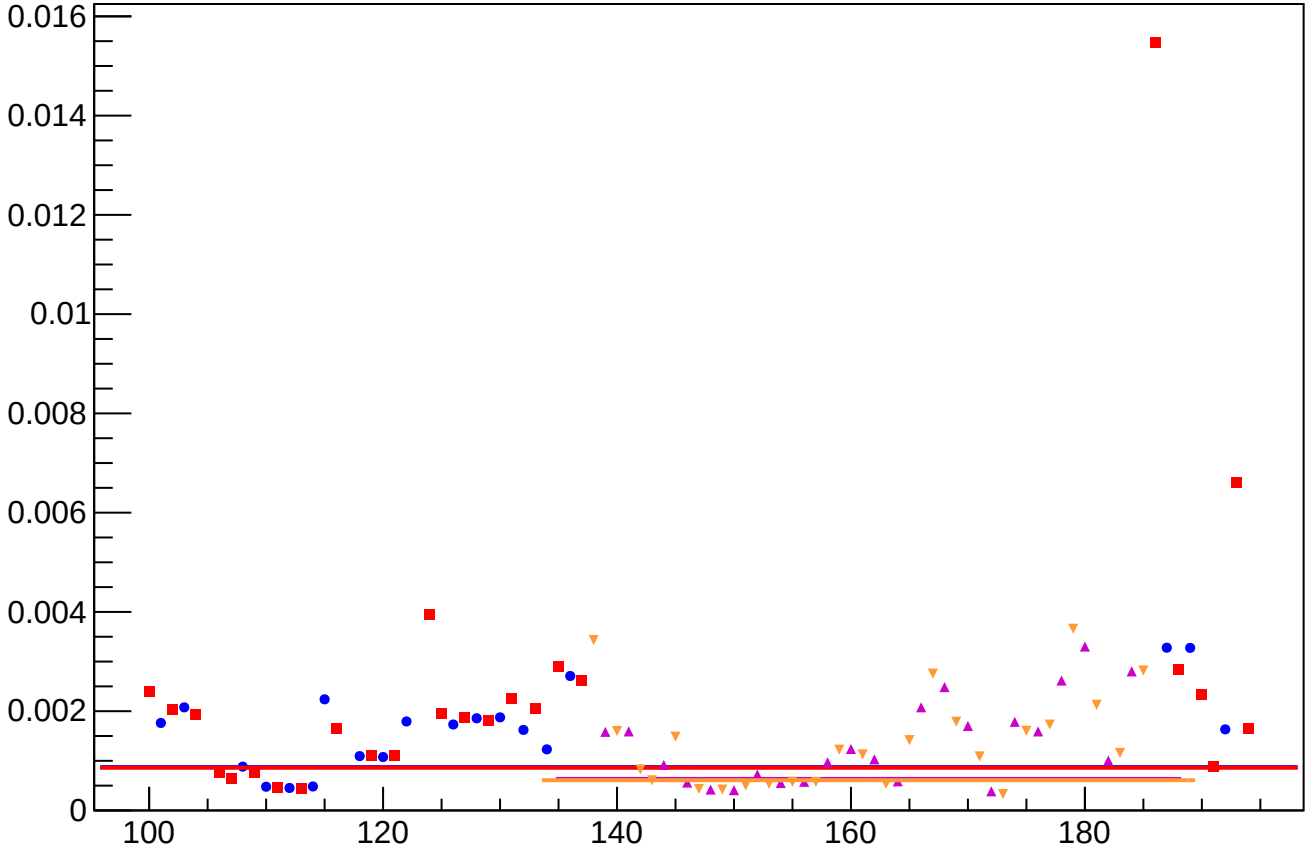
Right: -0.000+/-0.000 χ^2/NDF: 57.5/43

In: -0.000+/-0.000 χ^2/NDF:57.0/41

Out: 0.000+/-0.000 χ^2/NDF:88.1/49

All: 0.000+/-0.000 χ^2/NDF: 145.8/91

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 5509880.4/18

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8065664.5/24

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

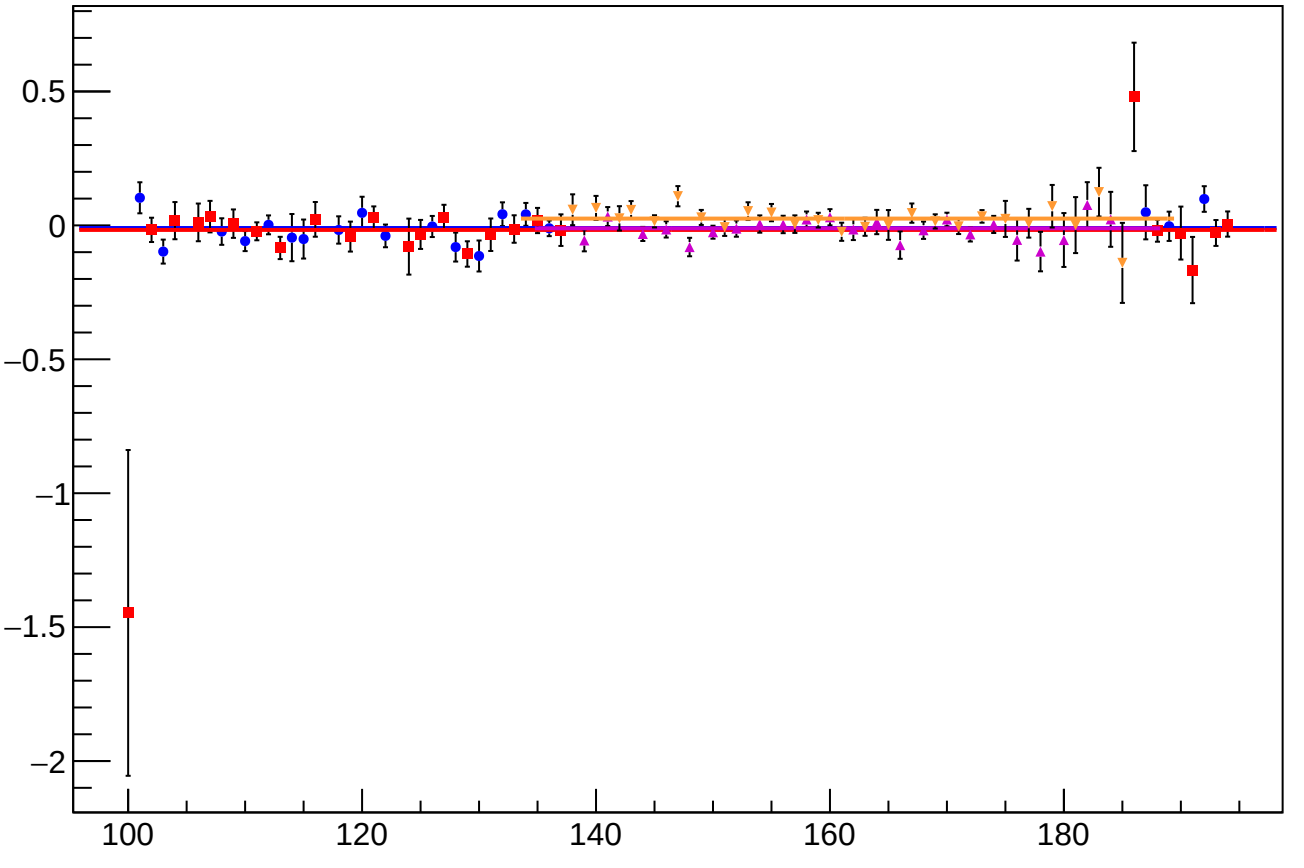
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 13576638.7/43

In: 0.001+/-0.000 χ^2/NDF:15571947.8/41

Out: 0.001+/-0.000 χ^2/NDF:19940845.9/49

All: 0.001+/-0.000 χ^2/NDF: 35532603.2/91



Right In: -0.010+/-0.011 χ^2/NDF: 24.7/18

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.017+/-0.011 χ^2/NDF: 24.6/24

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

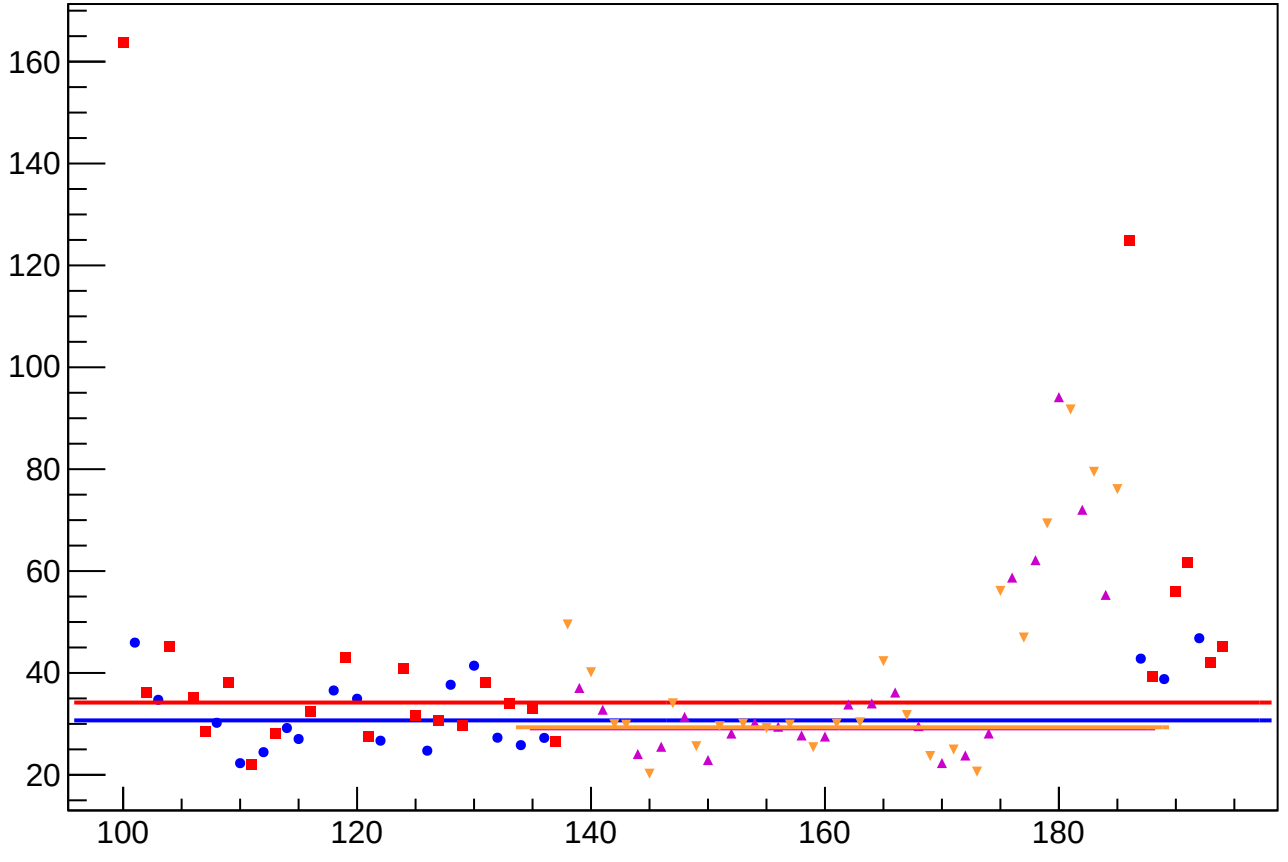
Right: -0.013+/-0.008 χ^2/NDF: 49.5/43

In: -0.011+/-0.006 χ^2/NDF:43.7/41

Out: 0.012+/-0.006 χ^2/NDF:52.6/49

All: 0.001+/-0.004 χ^2/NDF: 103.6/91

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.688+/-0.008 χ^2/NDF: 891847.0/18

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 34.192+/-0.008 χ^2/NDF: 1455545.4/24

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

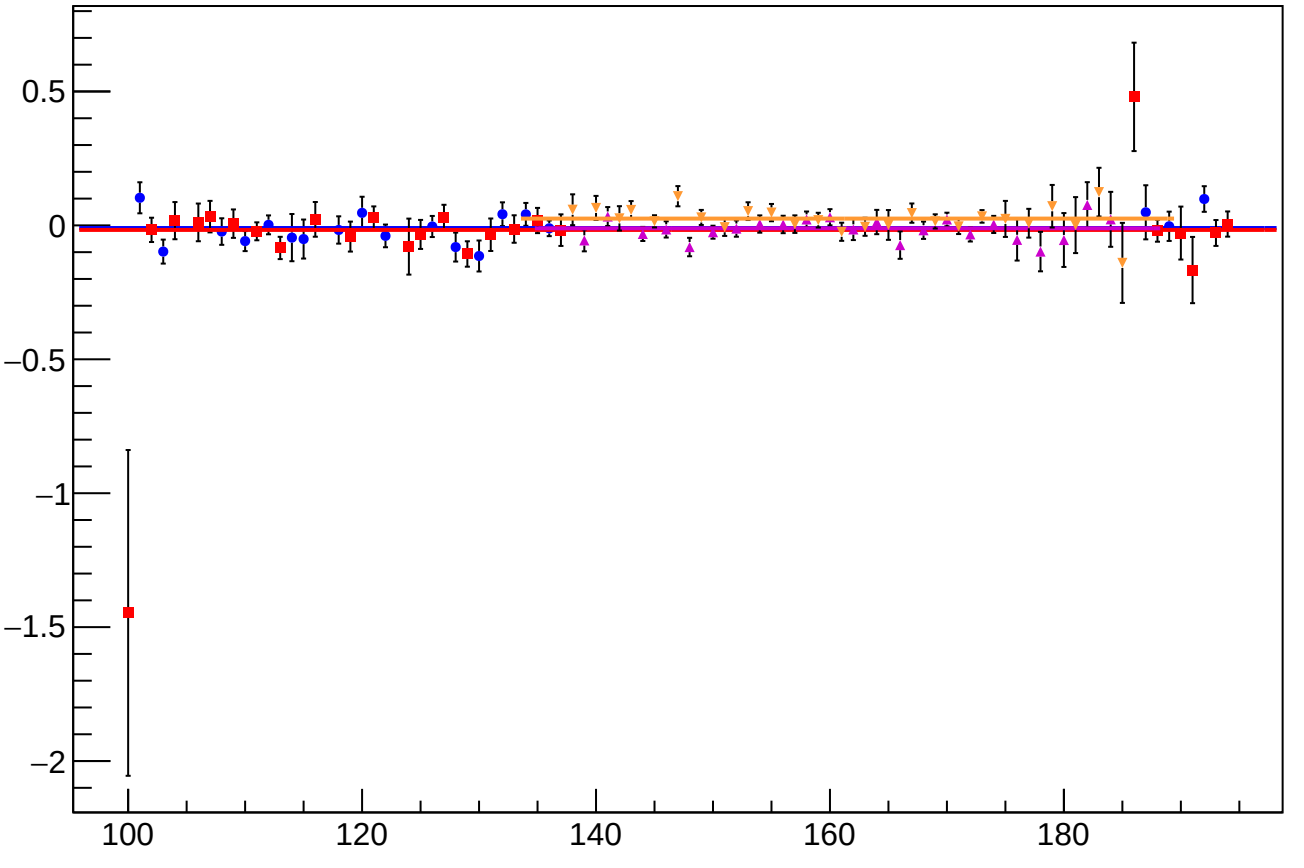
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 32.426+/-0.005 χ^2/NDF: 2452600.7/43

In: 29.617+/-0.004 χ^2/NDF:3759871.9/41

Out: 30.814+/-0.004 χ^2/NDF:5609348.7/49

All: 30.221+/-0.003 χ^2/NDF: 9408845.3/91



Right In: -0.010+/-0.011 χ^2/NDF: 24.7/18

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.017+/-0.011 χ^2/NDF: 24.6/24

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

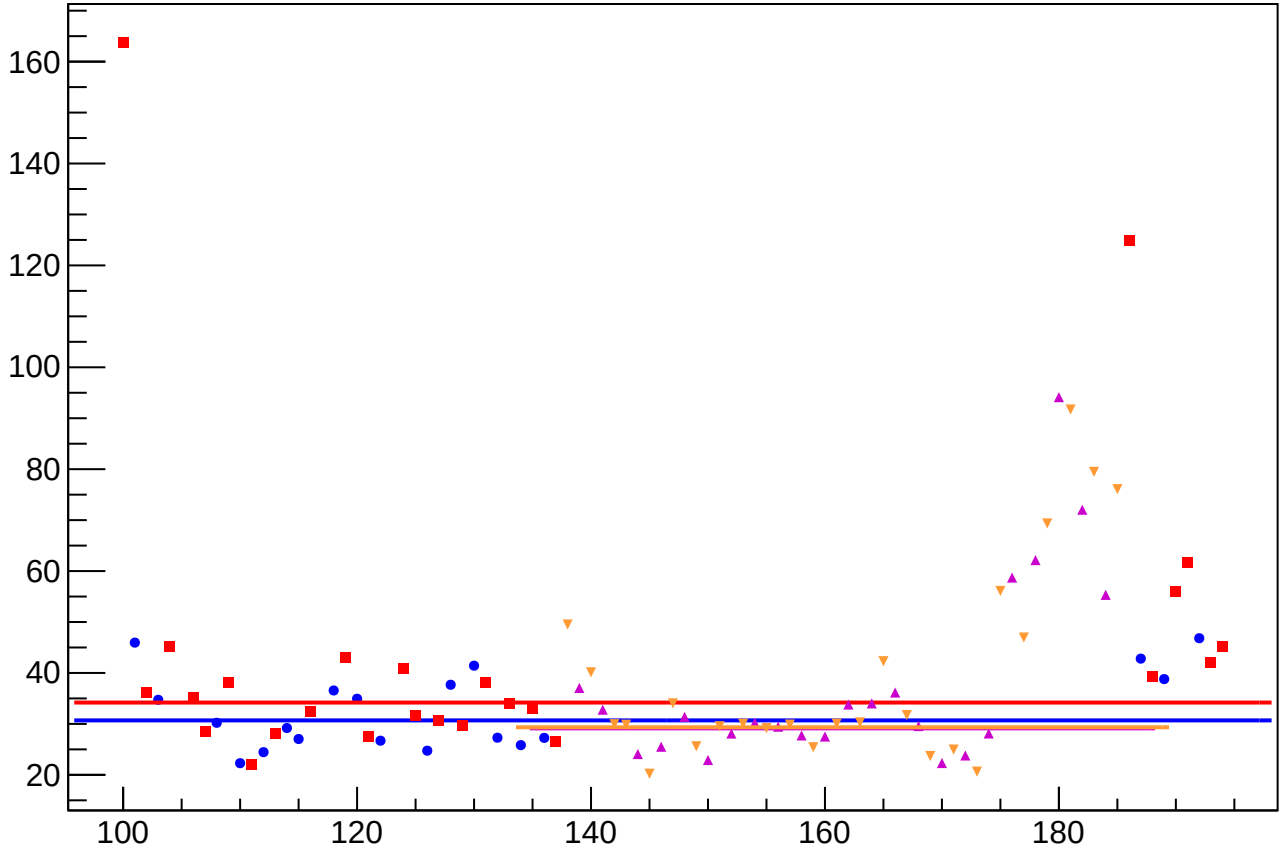
Right: -0.013+/-0.008 χ^2/NDF: 49.5/43

In: -0.011+/-0.006 χ^2/NDF:43.7/41

Out: 0.012+/-0.006 χ^2/NDF:52.6/49

All: 0.001+/-0.004 χ^2/NDF: 103.6/91

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.688+/-0.008 χ^2/NDF: 891847.0/18

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 34.192+/-0.008 χ^2/NDF: 1455545.4/24

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

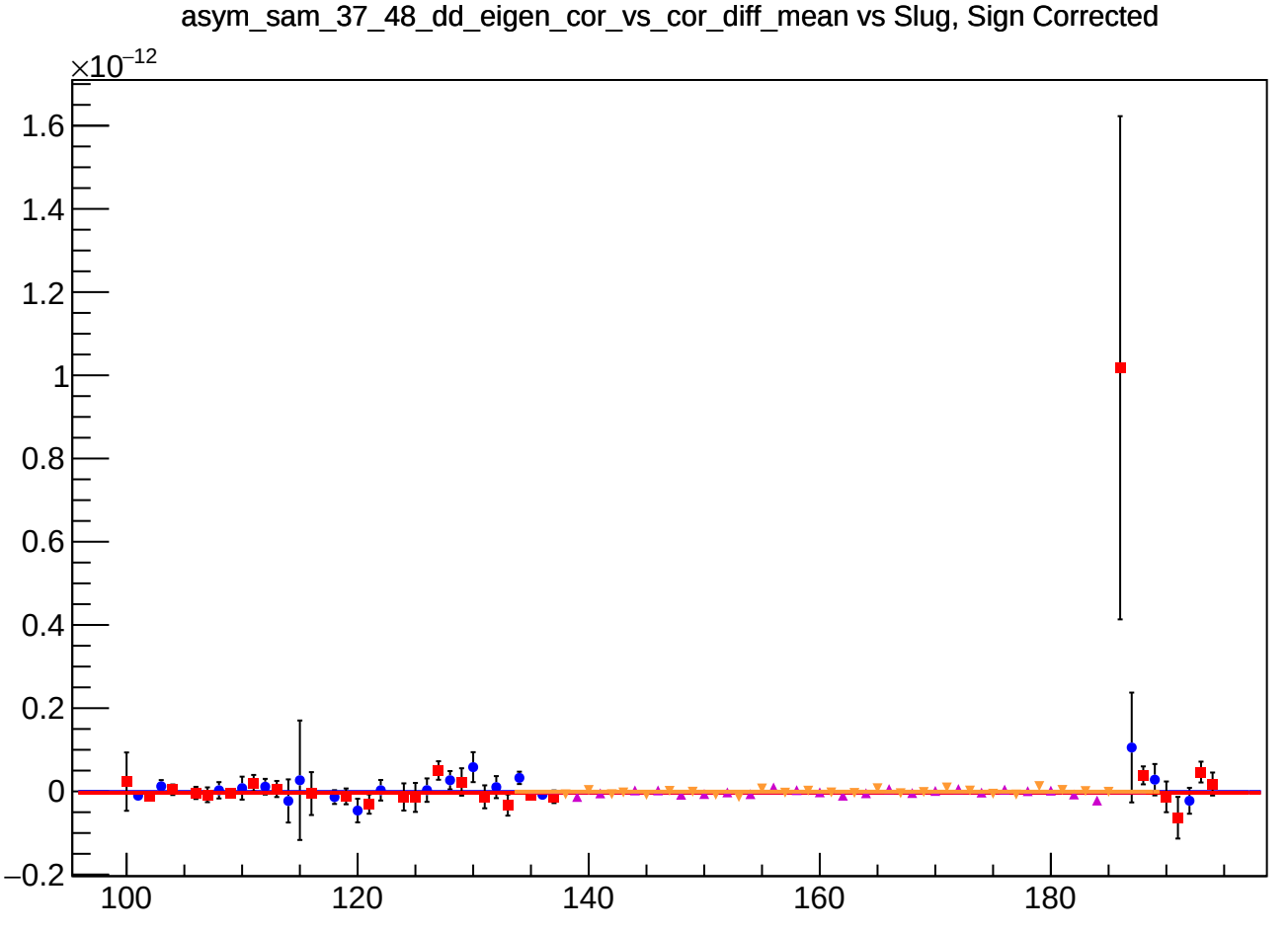
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 32.426+/-0.005 χ^2/NDF: 2452600.7/43

In: 29.617+/-0.004 χ^2/NDF:3759871.9/41

Out: 30.814+/-0.004 χ^2/NDF:5609348.7/49

All: 30.221+/-0.003 χ^2/NDF: 9408845.3/91



Right In: -0.000+/-0.000 χ^2/NDF: 18.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.4/24

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

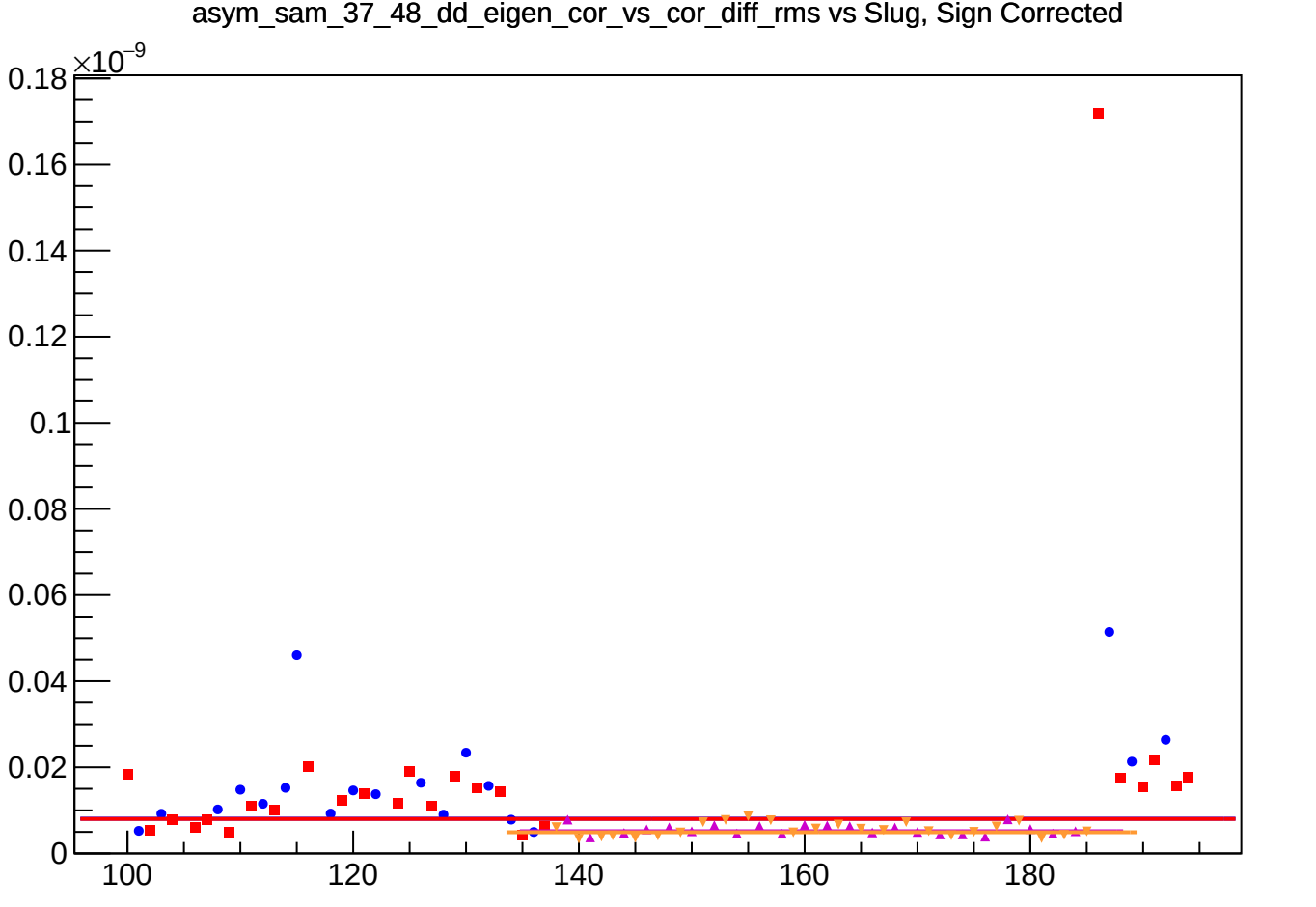
Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

Right: -0.000+/-0.000 χ^2/NDF: 45.2/43

In: -0.000+/-0.000 χ^2/NDF:35.2/41

Out: -0.000+/-0.000 χ^2/NDF:41.9/49

All: -0.000+/-0.000 χ^2/NDF: 77.2/91



Right In: 0.000+/-0.000 χ^2/NDF: 3202513.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3270897.4/24

Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

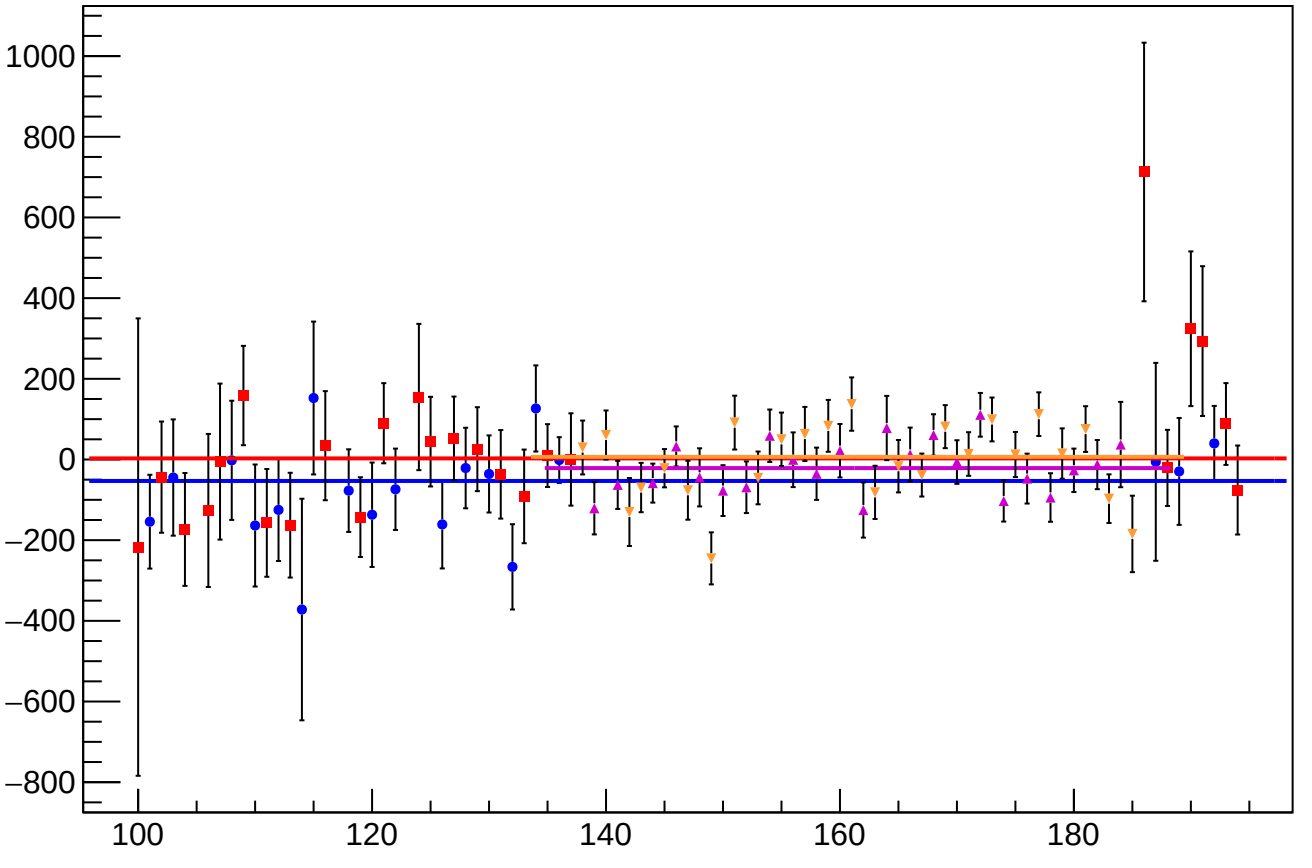
Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

Right: 0.000+/-0.000 χ^2/NDF: 6473619.3/43

In: 0.000+/-0.000 χ^2/NDF:5217232.7/41

Out: 0.000+/-0.000 χ^2/NDF:6484606.2/49

All: 0.000+/-0.000 χ^2/NDF: 11721867.7/91



Right In: -53.242+/-25.486 χ^2/NDF: 14.7/18

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: 2.684+/-24.585 χ^2/NDF: 23.3/24

Left In: -21.336+/-12.649 χ^2/NDF:25.4/22

Left: -7.002+/-8.814 χ^2/NDF: 78.5/47

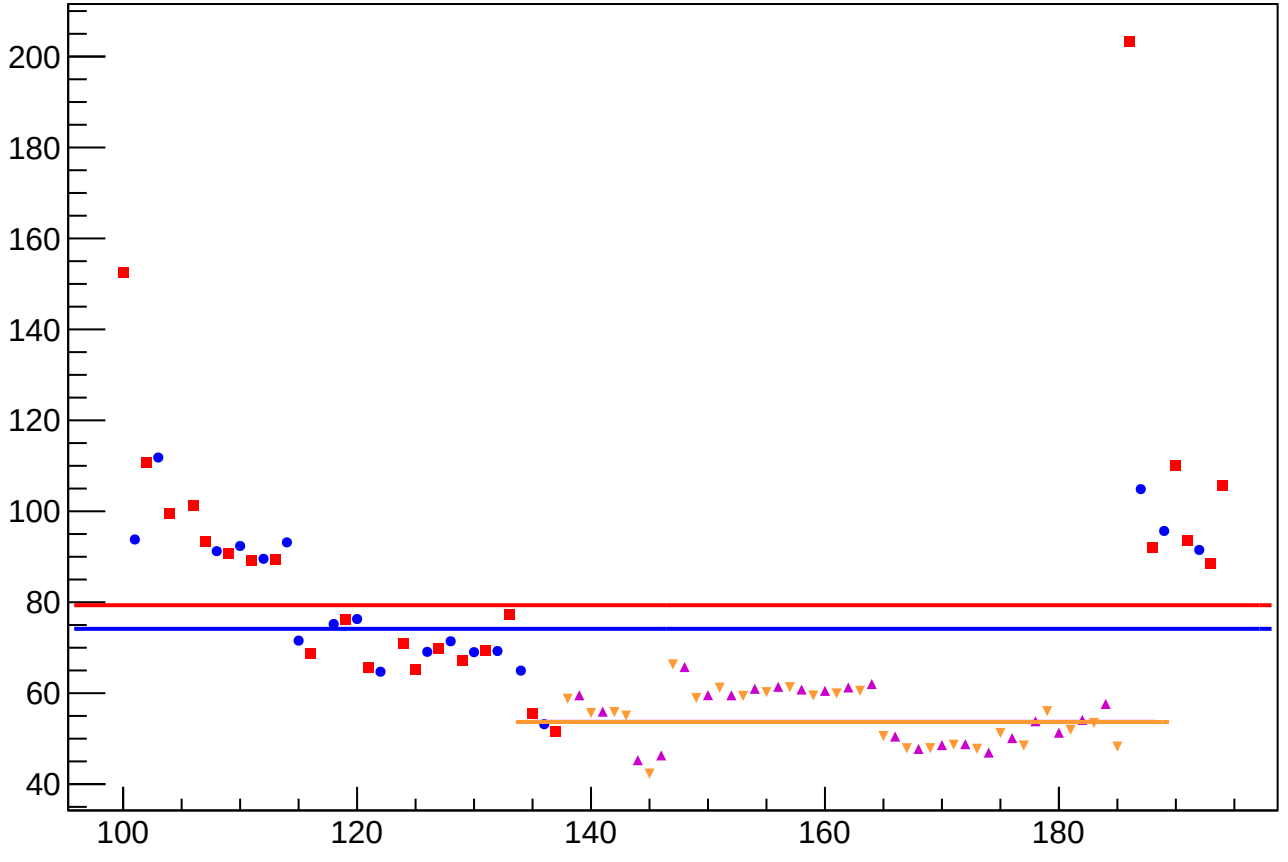
Right: -24.274+/-17.694 χ^2/NDF: 40.5/43

In: -27.642+/-11.330 χ^2/NDF:41.3/41

Out: 5.756+/-10.991 χ^2/NDF:73.9/49

All: -10.435+/-7.889 χ^2/NDF: 119.7/91

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 74.155+/-0.018 χ^2/NDF: 765365.6/18

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 79.347+/-0.017 χ^2/NDF: 1241881.6/24

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

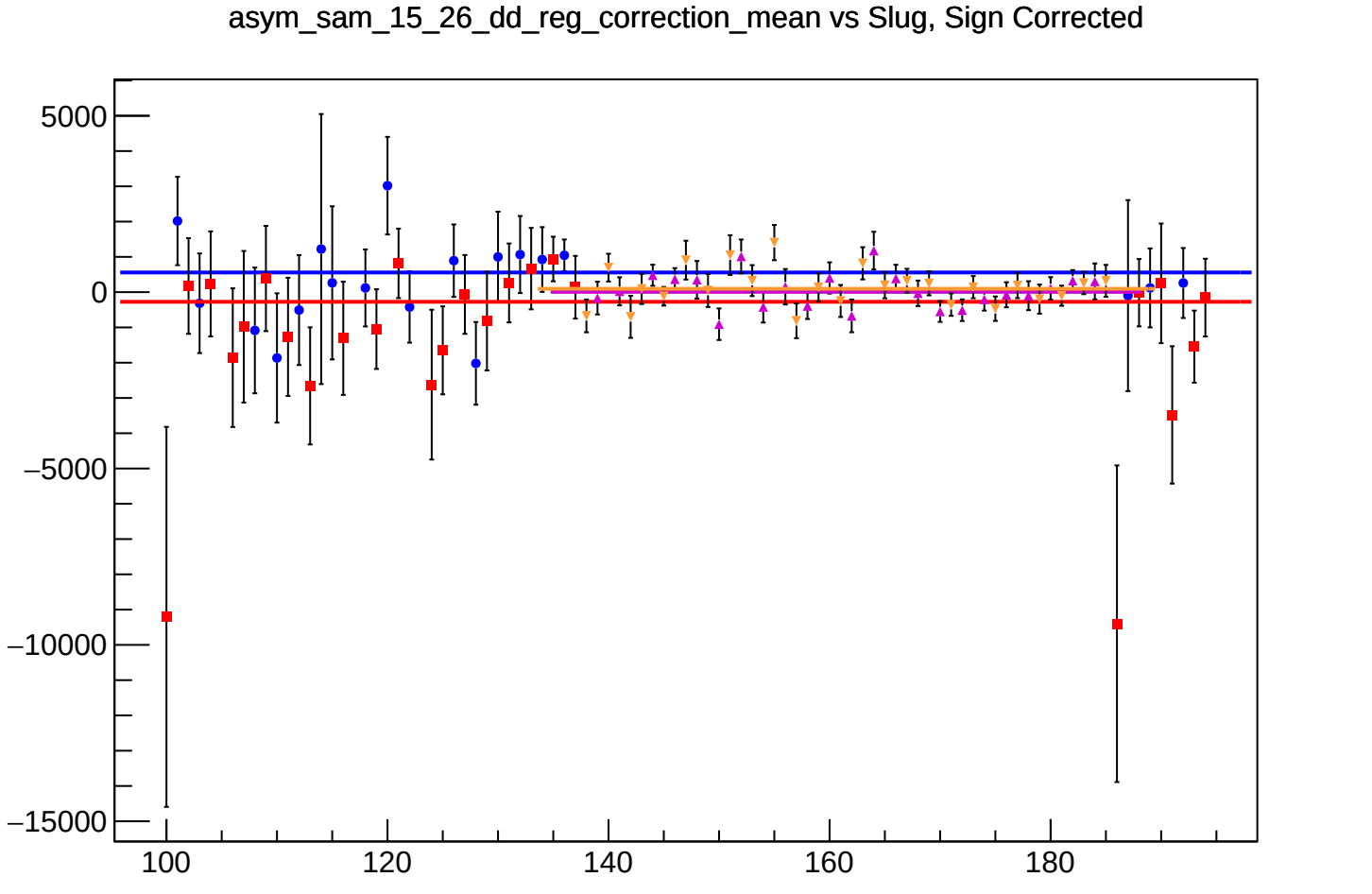
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 76.844+/-0.013 χ^2/NDF: 2050251.2/43

In: 57.739+/-0.008 χ^2/NDF:2270914.8/41

Out: 58.798+/-0.008 χ^2/NDF:3460264.5/49

All: 58.284+/-0.006 χ^2/NDF: 5740192.6/91



Right In: 557.790+/-250.019 χ^2/NDF: 16.0/18

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: -272.826+/-250.687 χ^2/NDF: 24.4/24

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

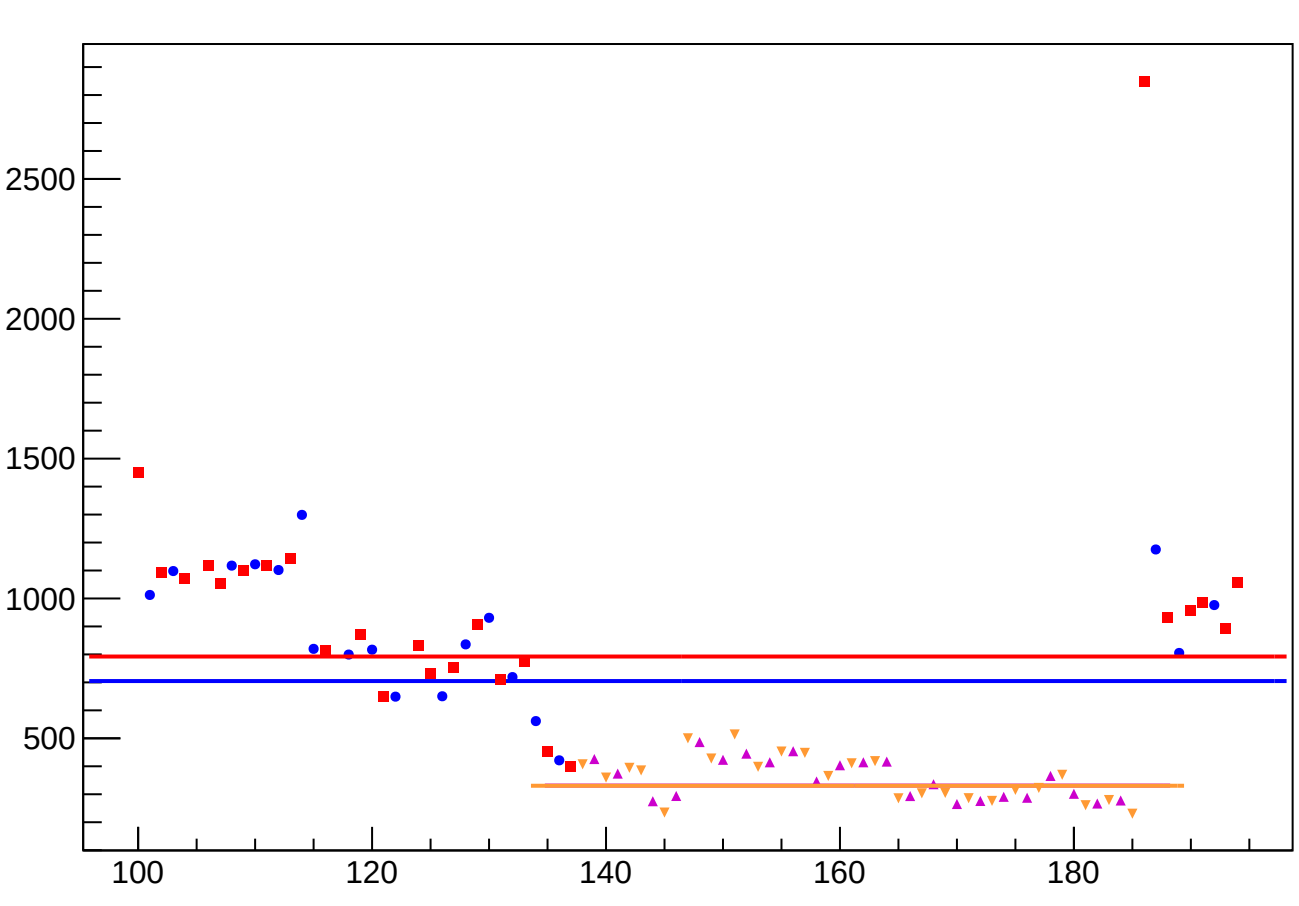
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 143.590+/-177.026 χ^2/NDF: 46.0/43

In: 57.943+/-75.438 χ^2/NDF:52.7/41

Out: 63.605+/-73.723 χ^2/NDF:59.6/49

All: 60.839+/-52.726 χ^2/NDF: 112.3/91



Right In: 704.743+/-0.177 χ^2/NDF: 1869148.4/18

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 792.451+/-0.177 χ^2/NDF: 2226596.7/24

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

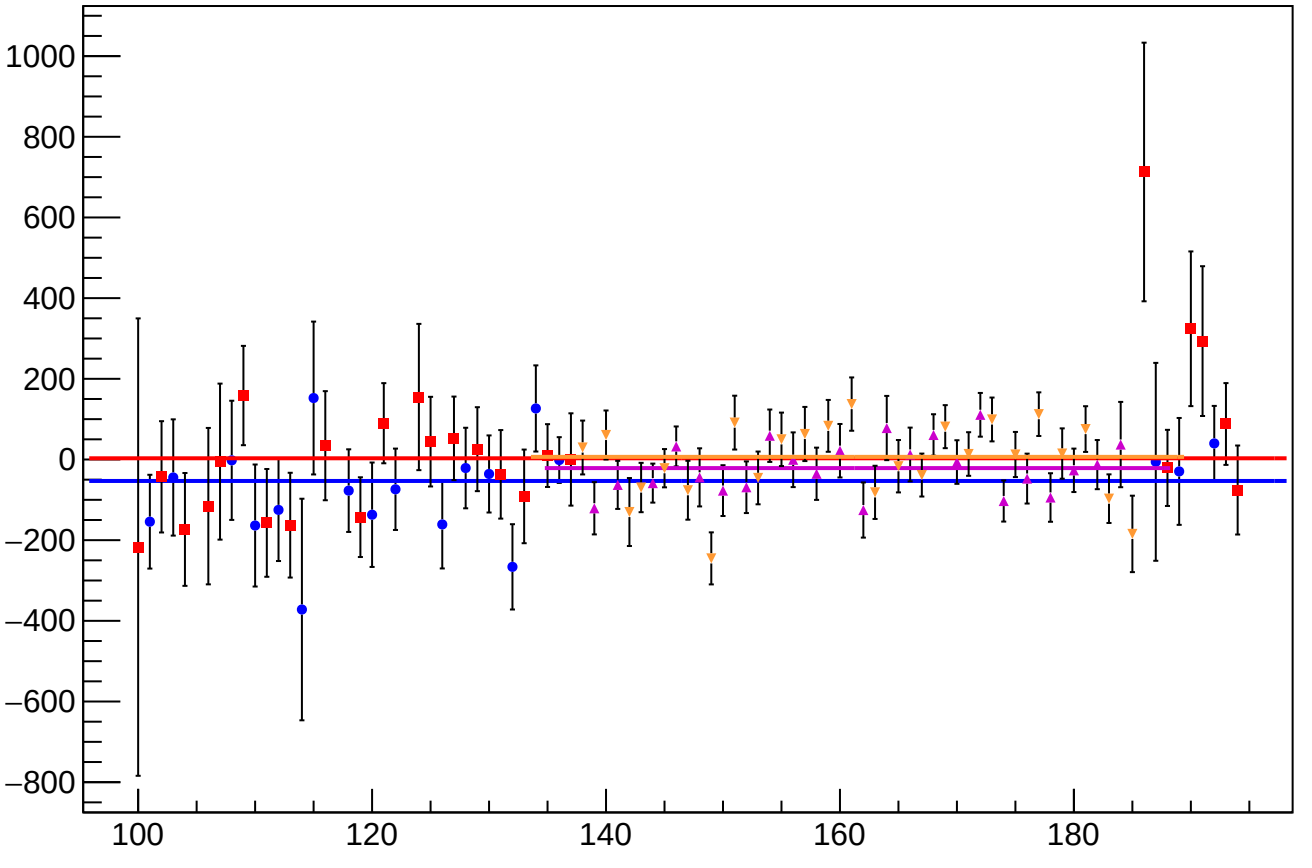
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 748.480+/-0.125 χ^2/NDF: 4218480.9/43

In: 365.079+/-0.053 χ^2/NDF:7255808.8/41

Out: 370.366+/-0.052 χ^2/NDF:10185626.1/49

All: 367.783+/-0.037 χ^2/NDF: 17446459.6/91



Right In: -53.233+/-25.486 χ^2/NDF: 14.7/18

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 2.978+/-24.595 χ^2/NDF: 23.2/24

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

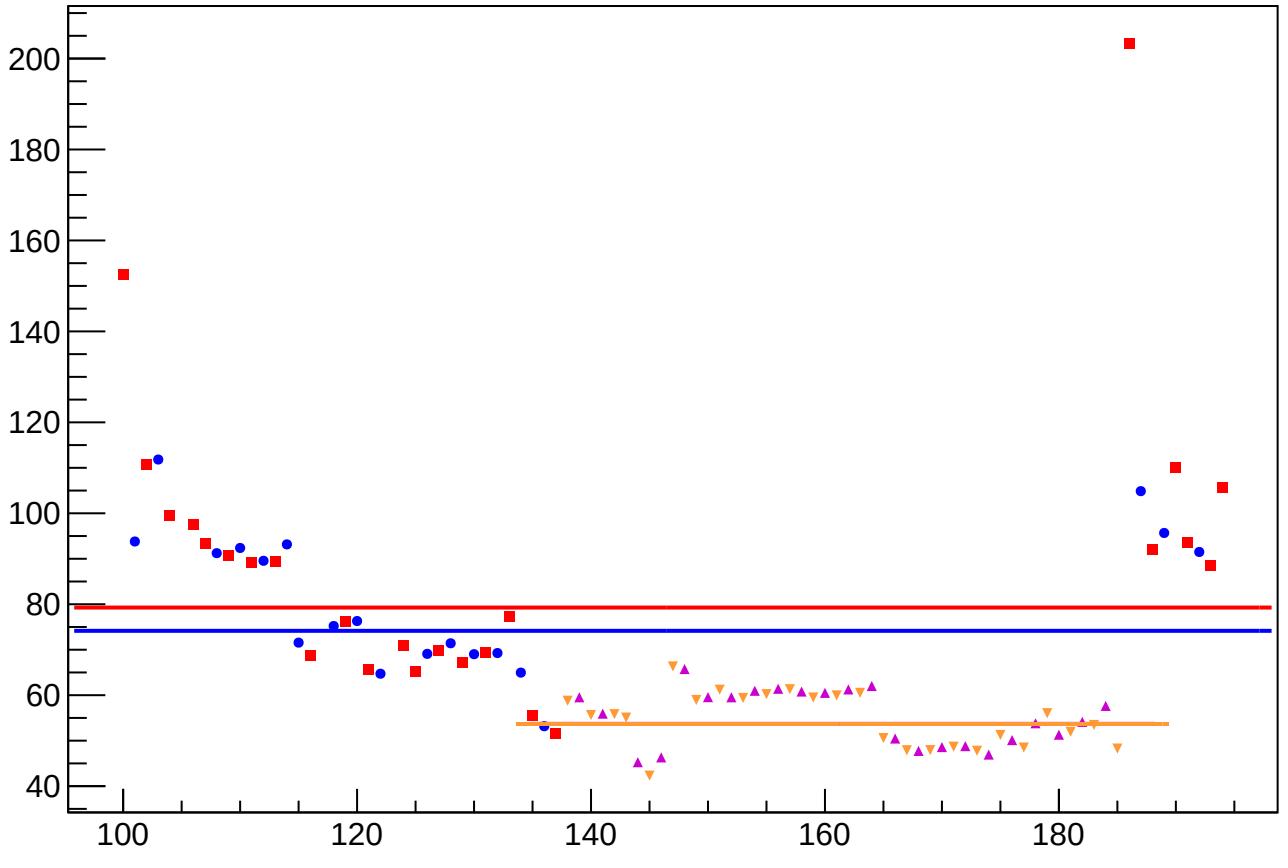
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -24.127+/-17.698 χ^2/NDF: 40.4/43

In: -27.639+/-11.330 χ^2/NDF:41.3/41

Out: 5.817+/-10.992 χ^2/NDF:73.8/49

All: -10.404+/-7.889 χ^2/NDF: 119.7/91



Right In: 74.155+/-0.018 χ^2/NDF: 765368.0/18

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 79.273+/-0.017 χ^2/NDF: 1233154.5/24

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

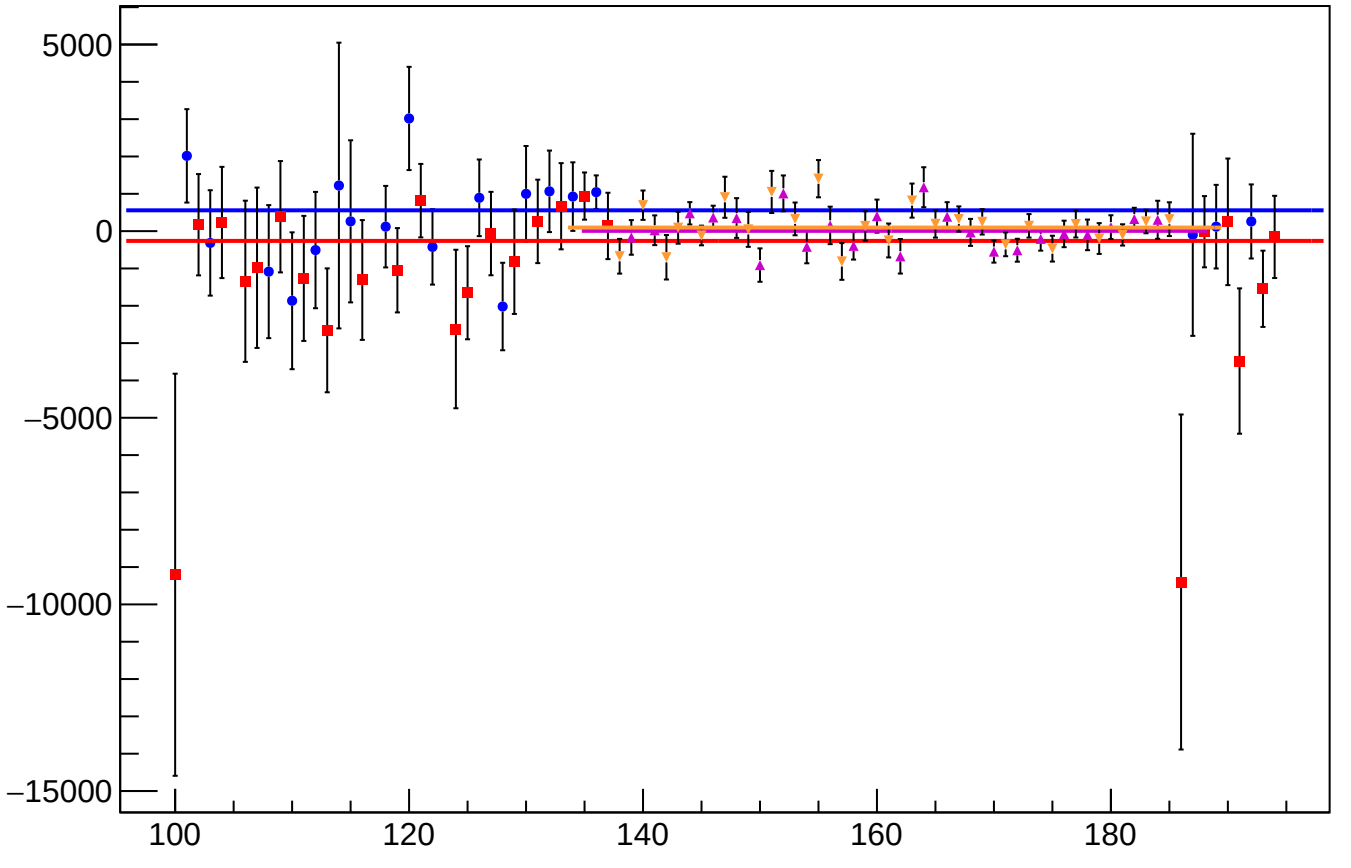
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 76.805+/-0.013 χ^2/NDF: 2040291.6/43

In: 57.739+/-0.008 χ^2/NDF:2270917.4/41

Out: 58.780+/-0.008 χ^2/NDF:3440428.8/49

All: 58.275+/-0.006 χ^2/NDF: 5720057.2/91



Right In: 557.780+/-250.019 χ^2/NDF: 16.0/18

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -261.564+/-251.043 χ^2/NDF: 24.0/24

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

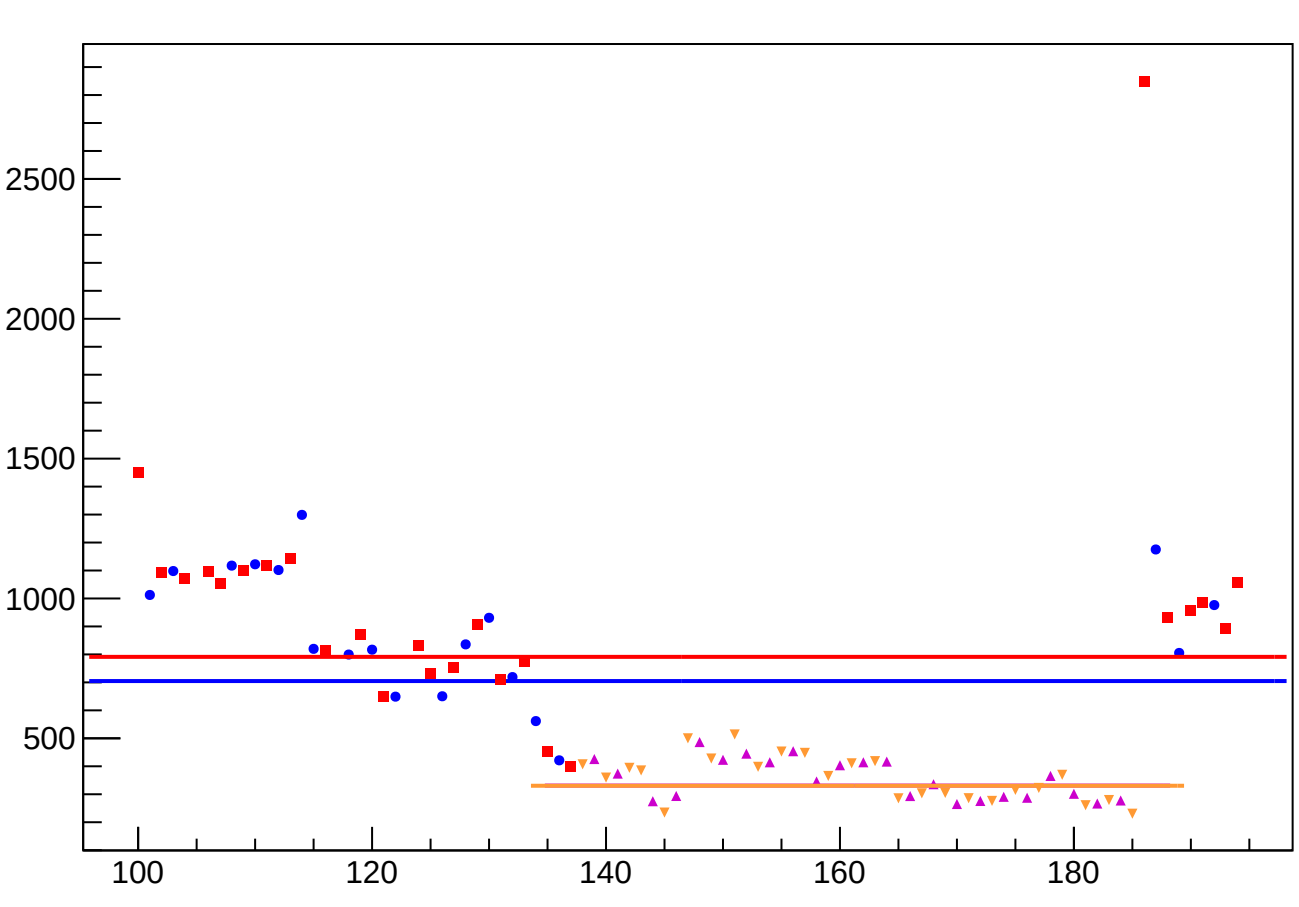
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 149.782+/-177.151 χ^2/NDF: 45.4/43

In: 57.938+/-75.438 χ^2/NDF:52.7/41

Out: 64.661+/-73.732 χ^2/NDF:59.1/49

All: 61.377+/-52.729 χ^2/NDF: 111.8/91



Right In: 704.743+/-0.177 χ^2/NDF: 1869173.4/18

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 791.243+/-0.178 χ^2/NDF: 2211324.1/24

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

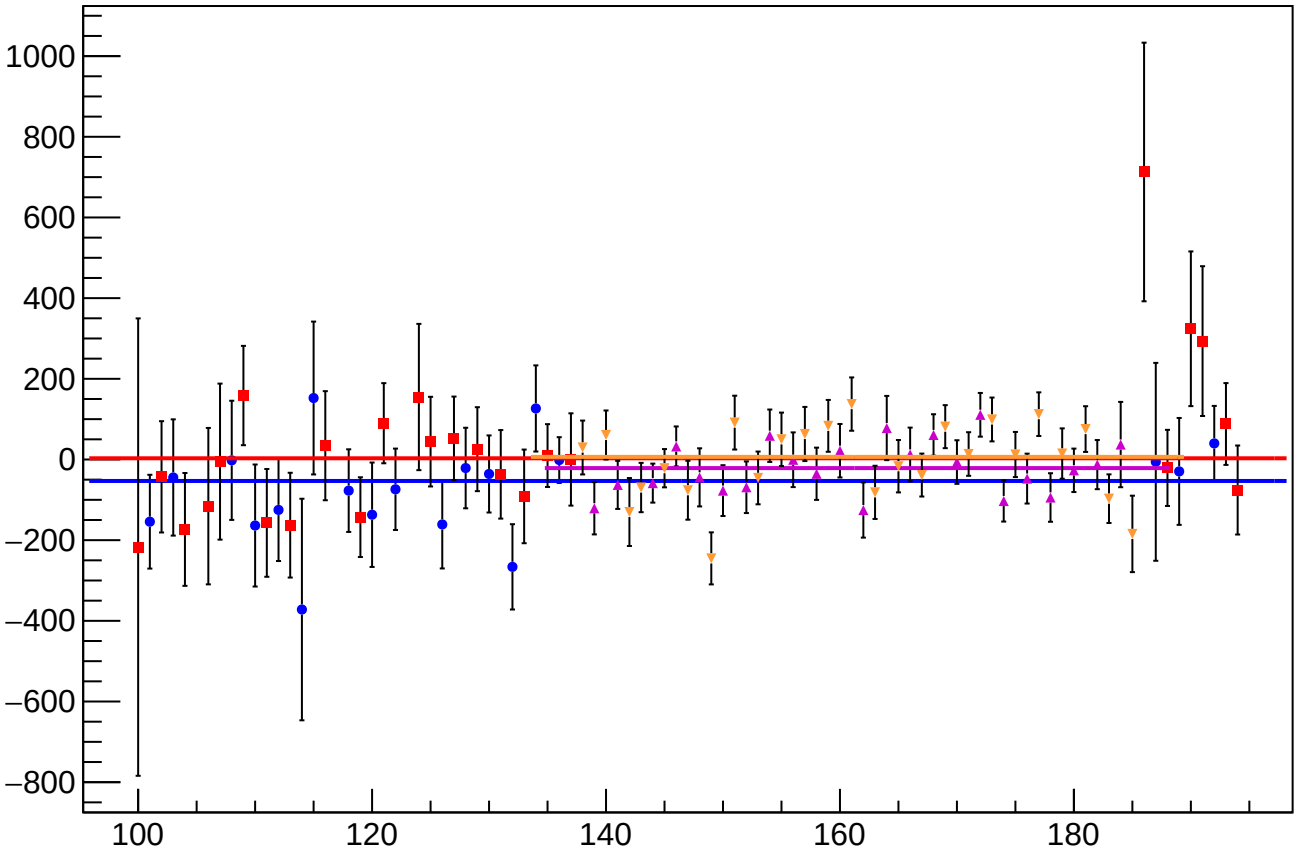
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 747.817+/-0.125 χ^2/NDF: 4199705.9/43

In: 365.079+/-0.053 χ^2/NDF:7255840.7/41

Out: 370.158+/-0.052 χ^2/NDF:10121975.8/49

All: 367.676+/-0.037 χ^2/NDF: 17382454.1/91



Right In: -53.233+/-25.486 χ^2/NDF: 14.7/18

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 2.978+/-24.595 χ^2/NDF: 23.2/24

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

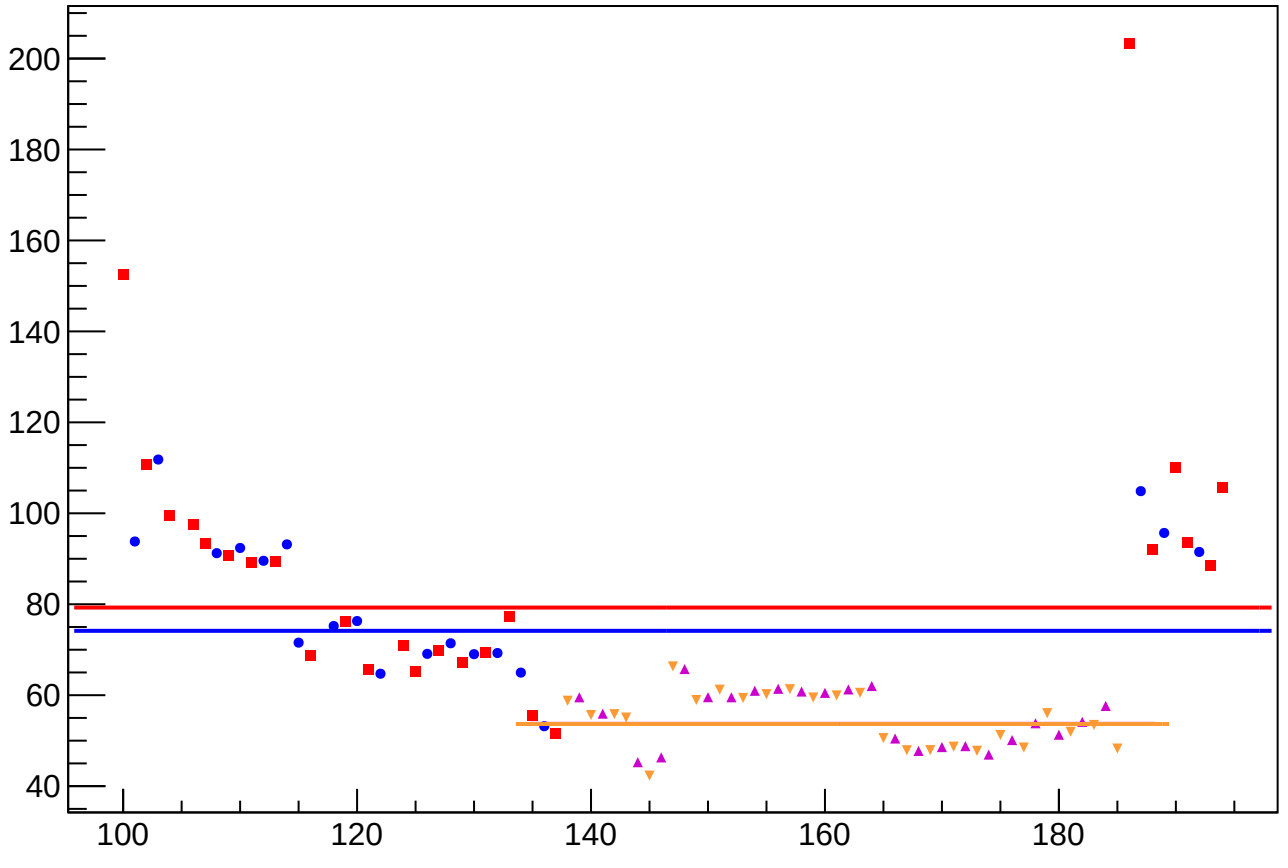
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -24.127+/-17.698 χ^2/NDF: 40.4/43

In: -27.639+/-11.330 χ^2/NDF:41.3/41

Out: 5.817+/-10.992 χ^2/NDF:73.8/49

All: -10.404+/-7.889 χ^2/NDF: 119.7/91



Right In: 74.155+/-0.018 χ^2/NDF: 765368.0/18

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 79.273+/-0.017 χ^2/NDF: 1233154.5/24

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

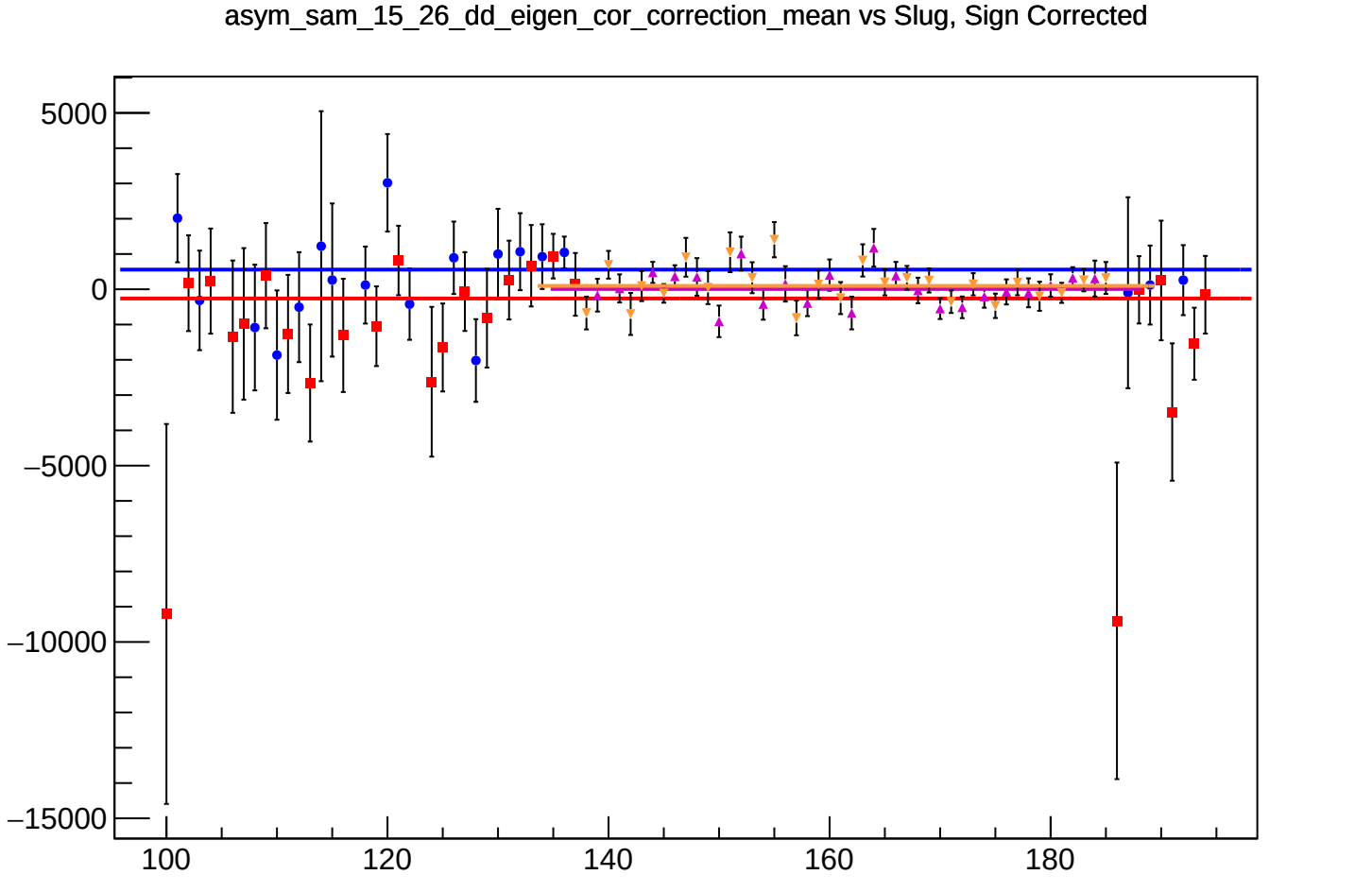
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 76.805+/-0.013 χ^2/NDF: 2040291.6/43

In: 57.739+/-0.008 χ^2/NDF:2270917.4/41

Out: 58.780+/-0.008 χ^2/NDF:3440428.8/49

All: 58.275+/-0.006 χ^2/NDF: 5720057.2/91



Right In: 557.780+/-250.019 χ^2/NDF: 16.0/18

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -261.564+/-251.043 χ^2/NDF: 24.0/24

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

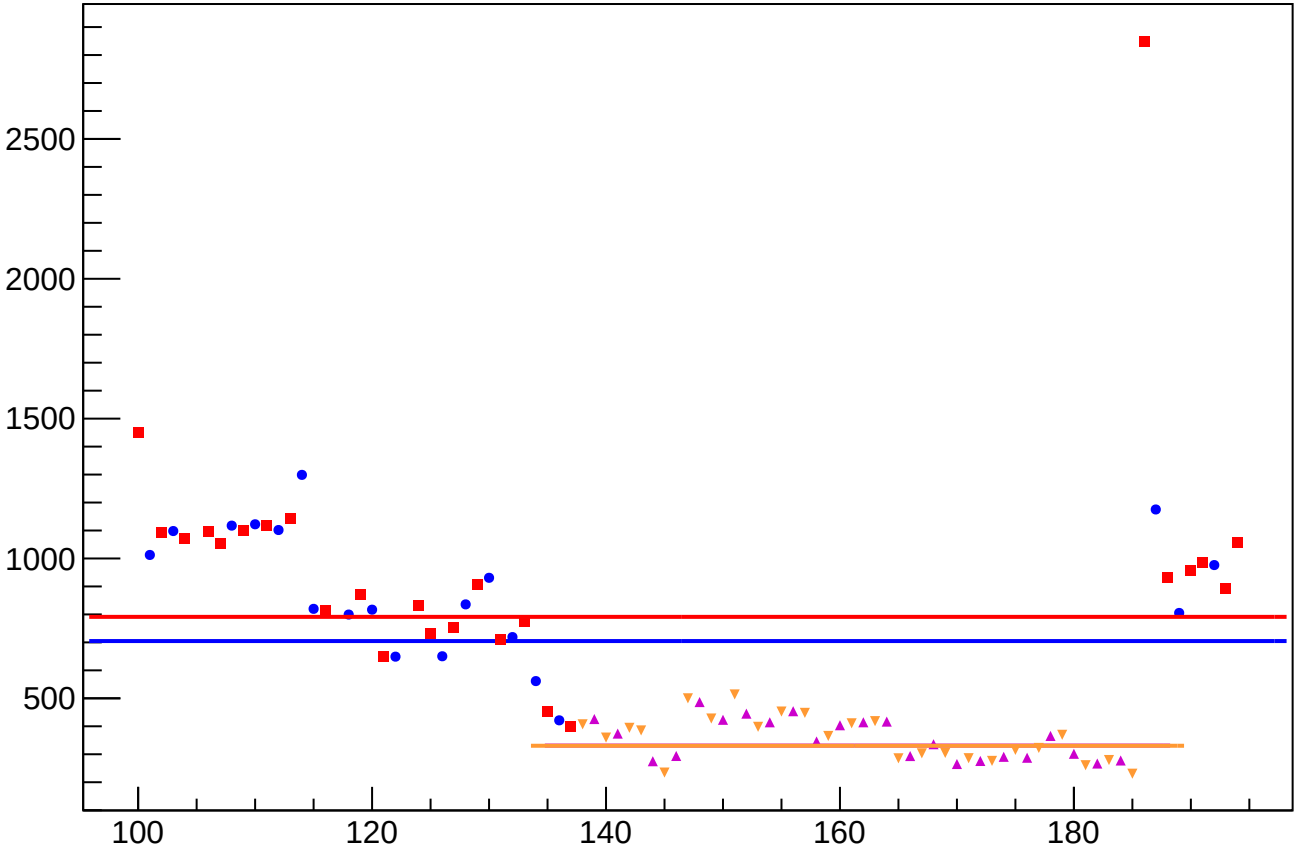
Right: 149.782+/-177.151 χ^2/NDF: 45.4/43

In: 57.938+/-75.438 χ^2/NDF:52.7/41

Out: 64.661+/-73.732 χ^2/NDF:59.1/49

All: 61.377+/-52.729 χ^2/NDF: 111.8/91

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 704.743+/-0.177 χ^2/NDF: 1869173.4/18

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 791.243+/-0.178 χ^2/NDF: 2211324.1/24

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

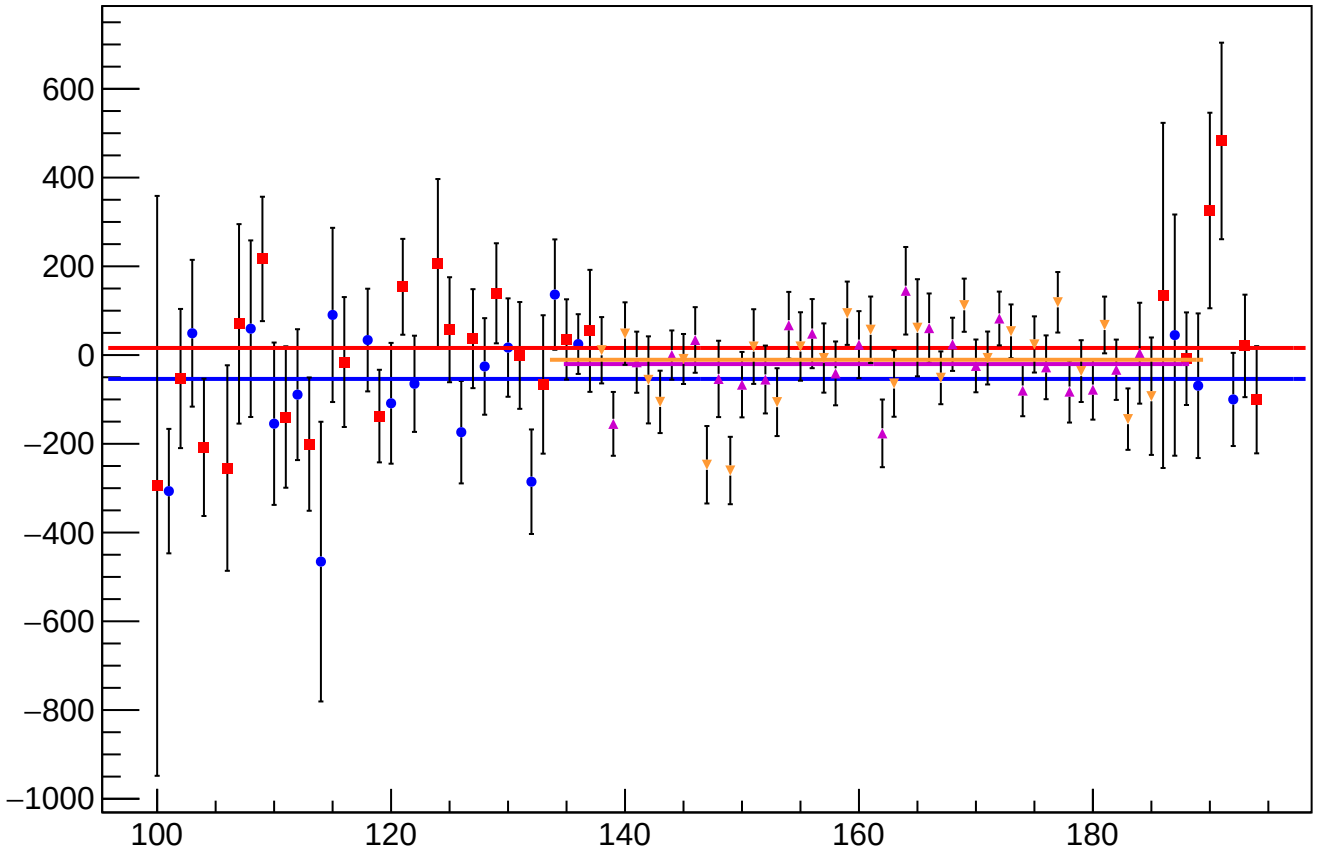
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 747.817+/-0.125 χ^2/NDF: 4199705.9/43

In: 365.079+/-0.053 χ^2/NDF:7255840.7/41

Out: 370.158+/-0.052 χ^2/NDF:10121975.8/49

All: 367.676+/-0.037 χ^2/NDF: 17382454.1/91



Right In: -53.779+/-29.131 χ^2/NDF: 16.8/18

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: 16.017+/-27.651 χ^2/NDF: 23.1/24

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

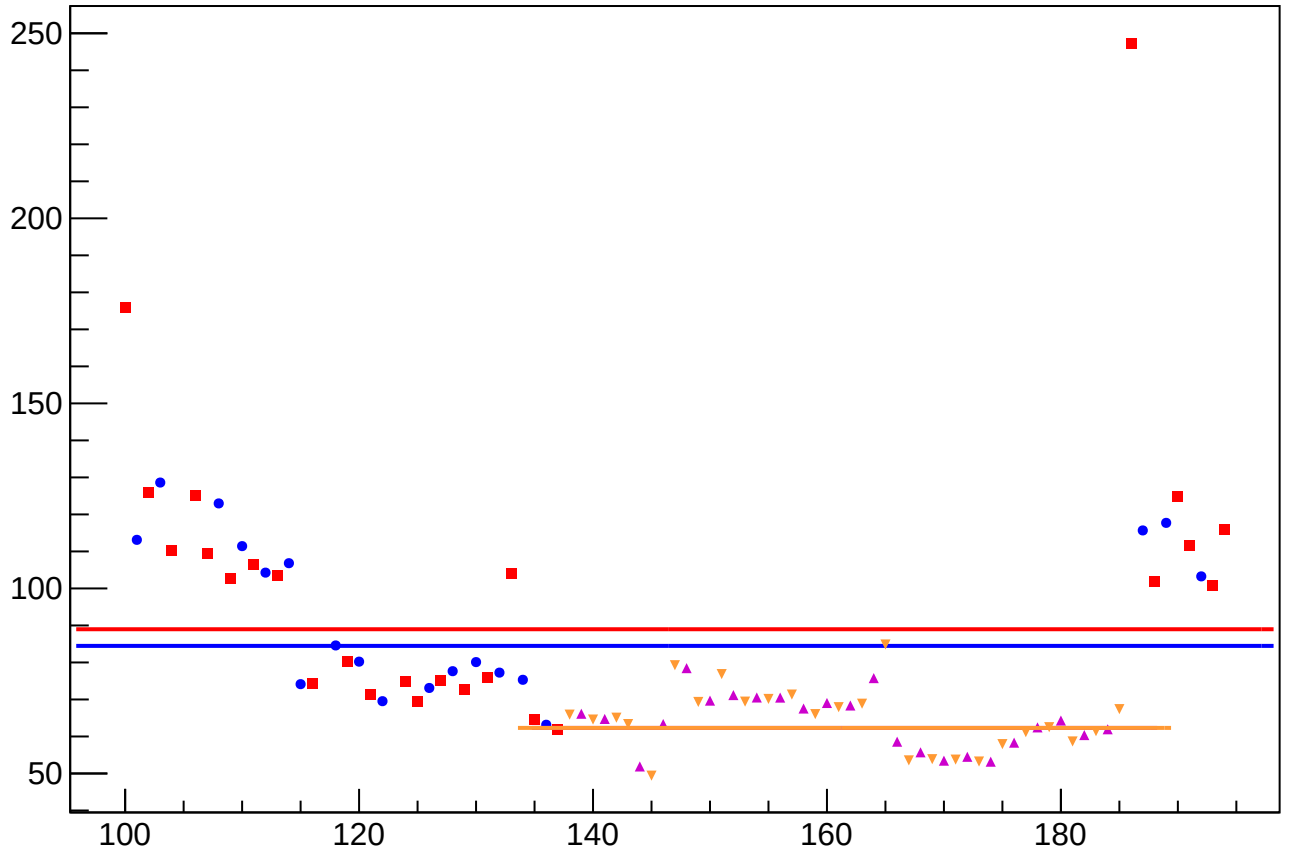
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -17.062+/-20.055 χ^2/NDF: 42.9/43

In: -27.136+/-13.159 χ^2/NDF:39.5/41

Out: -4.988+/-12.709 χ^2/NDF:66.0/49

All: -15.677+/-9.142 χ^2/NDF: 107.0/91



Right In: 84.477+/-0.021 χ^2/NDF: 858453.0/18

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 88.975+/-0.020 χ^2/NDF: 1359294.4/24

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

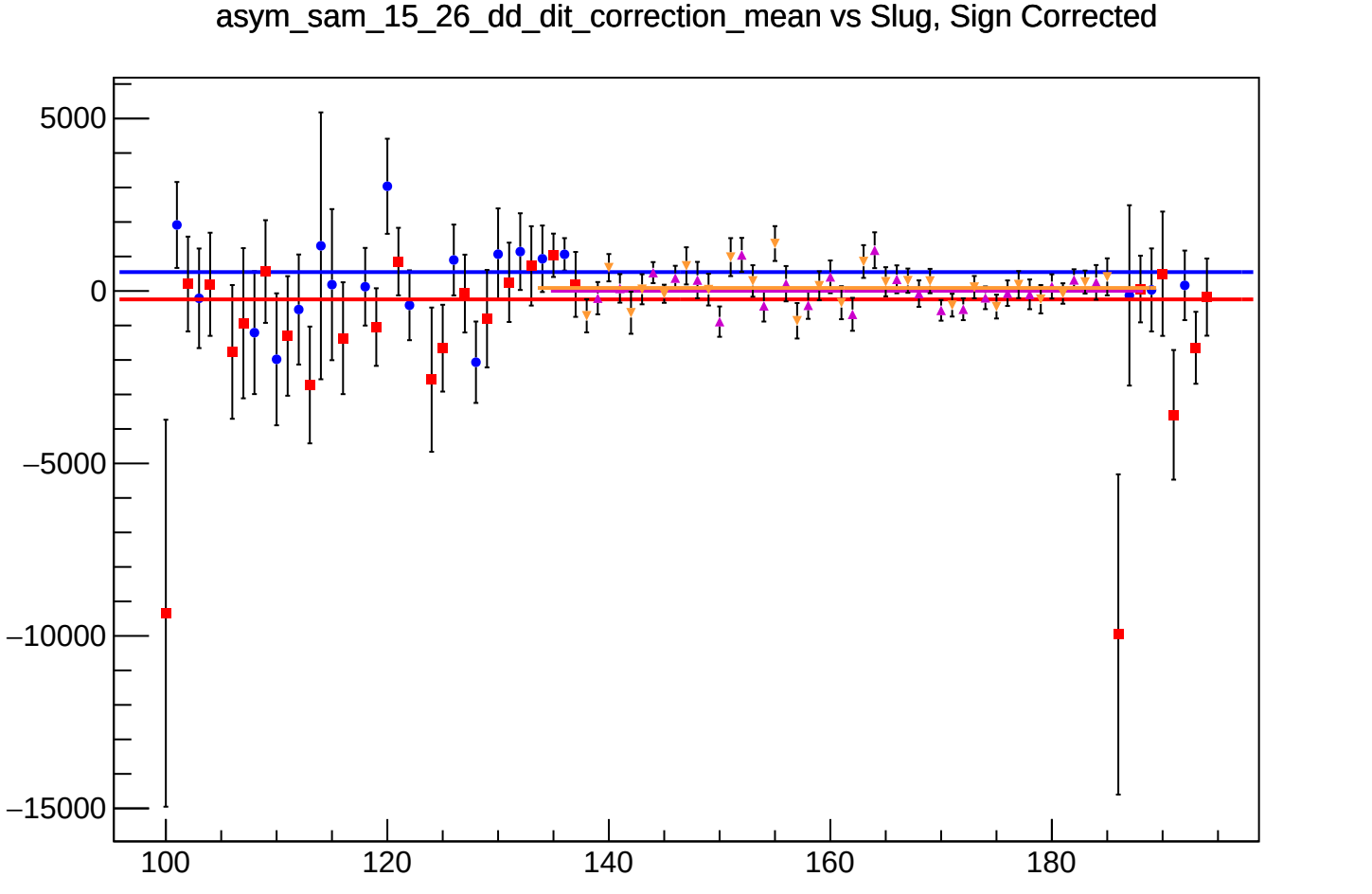
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 86.843+/-0.014 χ^2/NDF: 2242830.6/43

In: 66.834+/-0.009 χ^2/NDF:2264716.2/41

Out: 67.948+/-0.009 χ^2/NDF:3461865.1/49

All: 67.410+/-0.006 χ^2/NDF: 5734007.7/91



Right In: 547.727+/-256.980 χ^2/NDF: 16.2/18

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -243.753+/-253.339 χ^2/NDF: 26.2/24

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

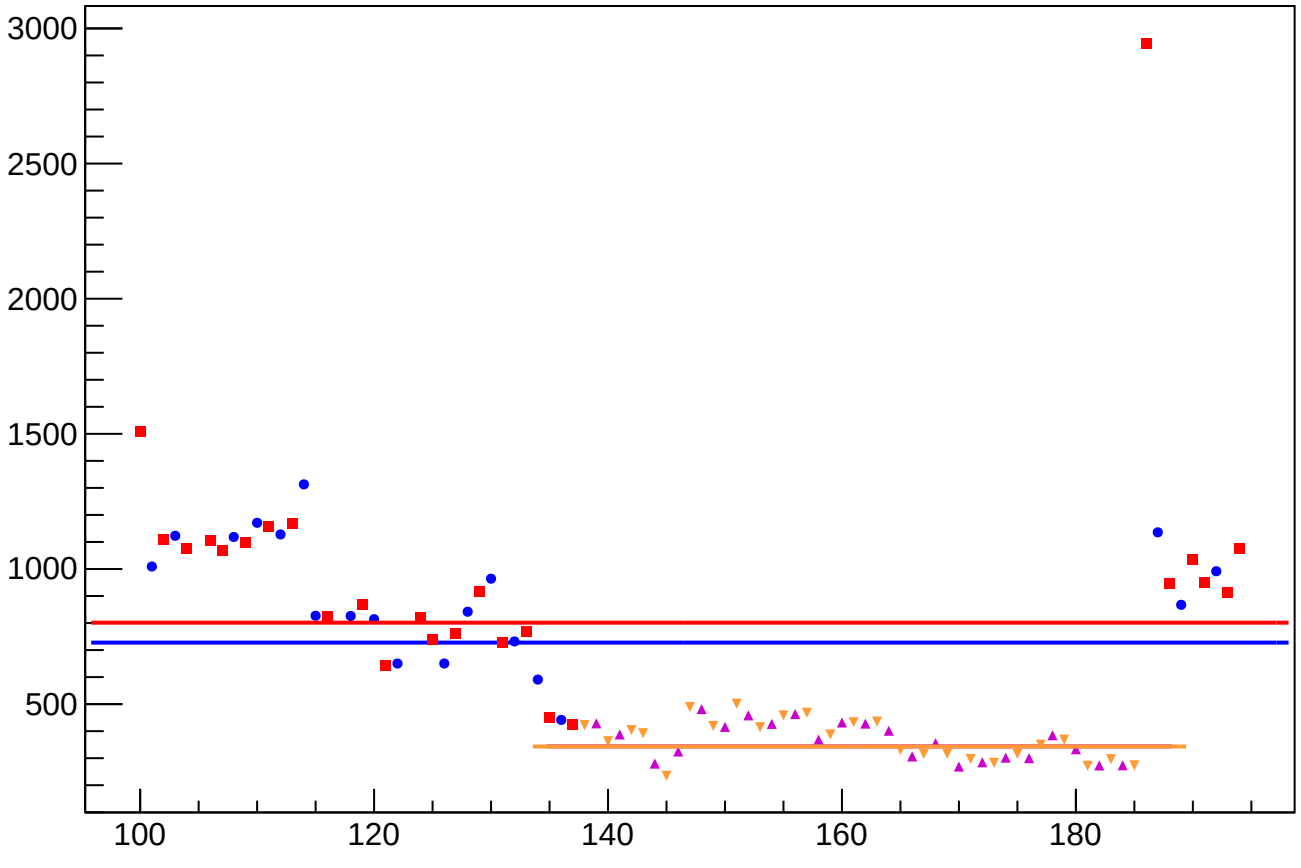
Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

Right: 146.341+/-180.411 χ^2/NDF: 47.2/43

In: 56.635+/-78.215 χ^2/NDF:52.7/41

Out: 57.106+/-76.145 χ^2/NDF:59.4/49

All: 56.877+/-54.560 χ^2/NDF: 112.1/91



Right In: 727.610+/-0.182 χ^2/NDF: 1754464.6/18

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 801.403+/-0.179 χ^2/NDF: 2233826.6/24

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

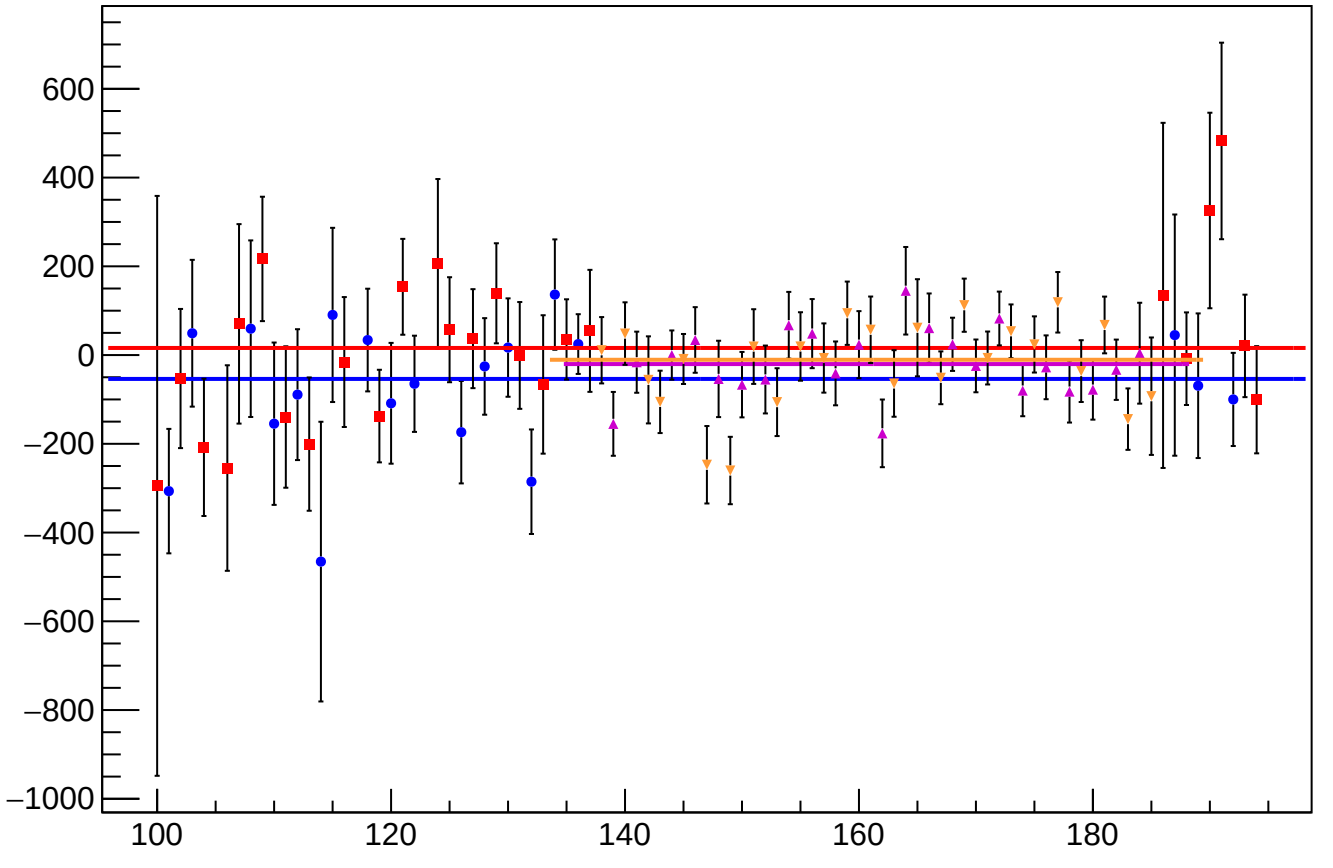
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 765.033+/-0.128 χ^2/NDF: 4071926.2/43

In: 379.279+/-0.055 χ^2/NDF:7062634.9/41

Out: 384.616+/-0.054 χ^2/NDF:9779985.9/49

All: 382.019+/-0.039 χ^2/NDF: 16847402.0/91



Right In: -53.779+/-29.131 χ^2/NDF: 16.8/18

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: 16.018+/-27.651 χ^2/NDF: 23.1/24

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

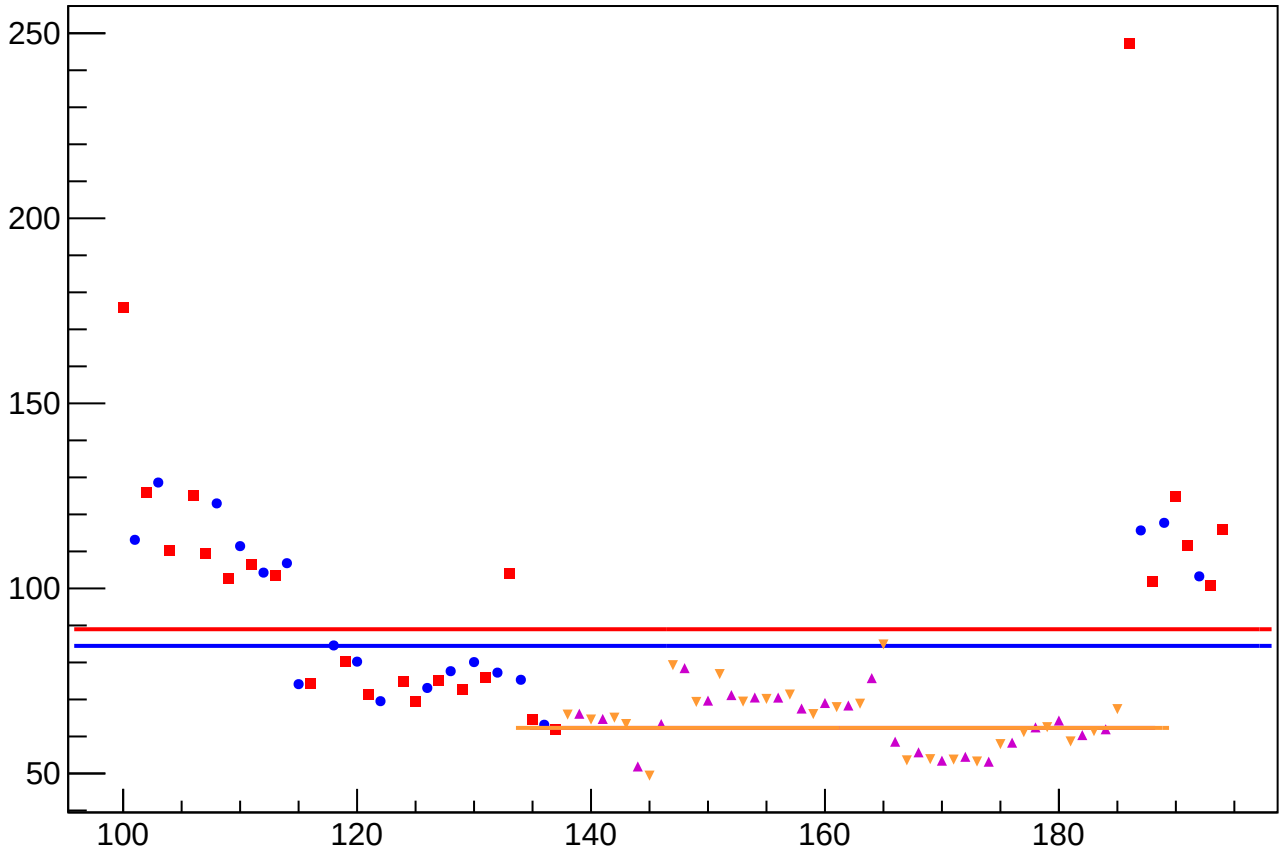
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -17.062+/-20.055 χ^2/NDF: 42.9/43

In: -27.136+/-13.159 χ^2/NDF:39.5/41

Out: -4.987+/-12.709 χ^2/NDF:66.0/49

All: -15.676+/-9.142 χ^2/NDF: 107.0/91



Right In: 84.477+/-0.021 χ^2/NDF: 858455.6/18

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

Right Out: 88.975+/-0.020 χ^2/NDF: 1359281.1/24

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

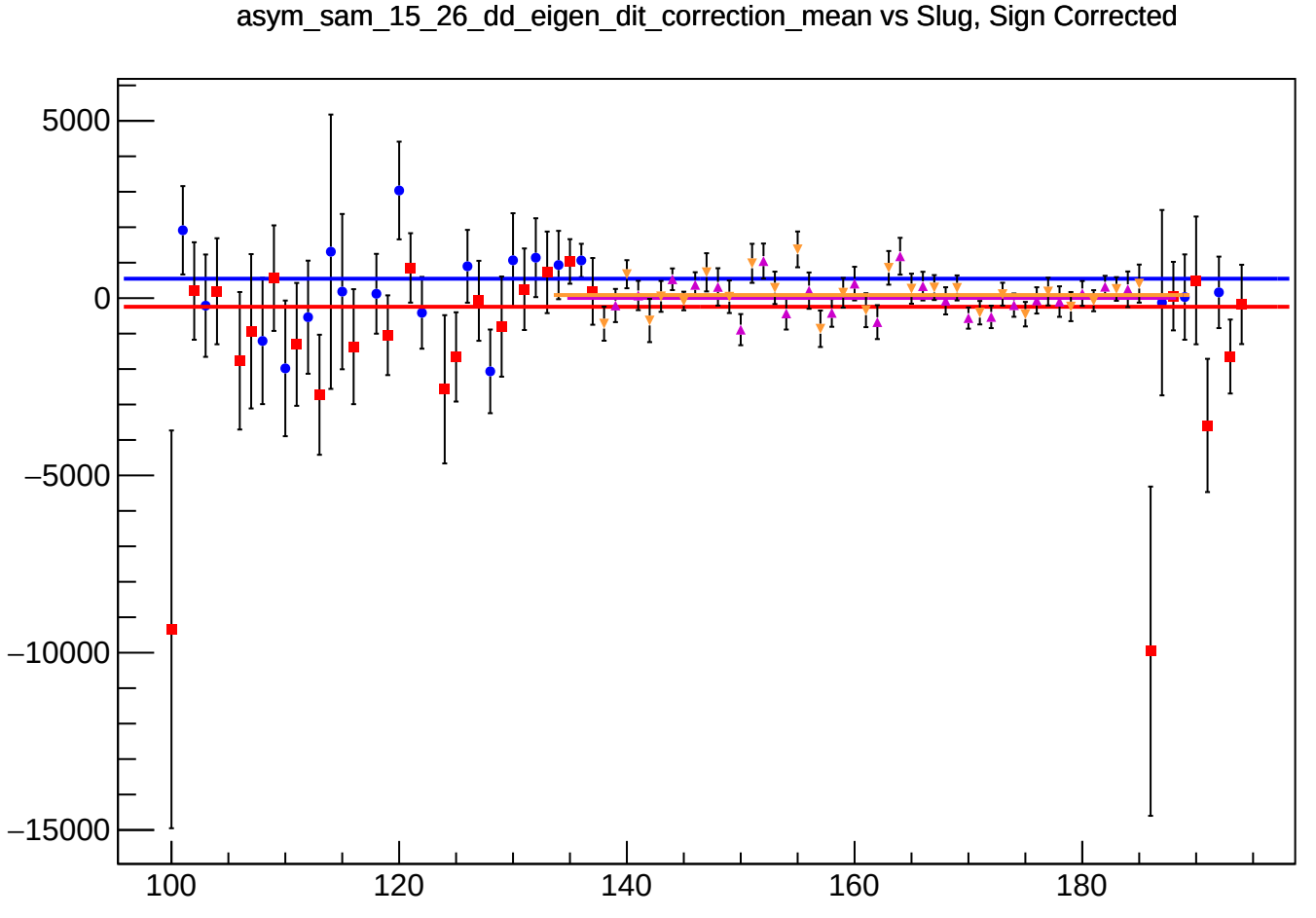
Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

Right: 86.843+/-0.014 χ^2/NDF: 2242822.0/43

In: 66.834+/-0.009 χ^2/NDF:2264668.7/41

Out: 67.948+/-0.009 χ^2/NDF:3461823.8/49

All: 67.410+/-0.006 χ^2/NDF: 5733917.7/91



Right In: 547.727+/-256.980 χ^2/NDF: 16.2/18

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -243.754+/-253.339 χ^2/NDF: 26.2/24

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

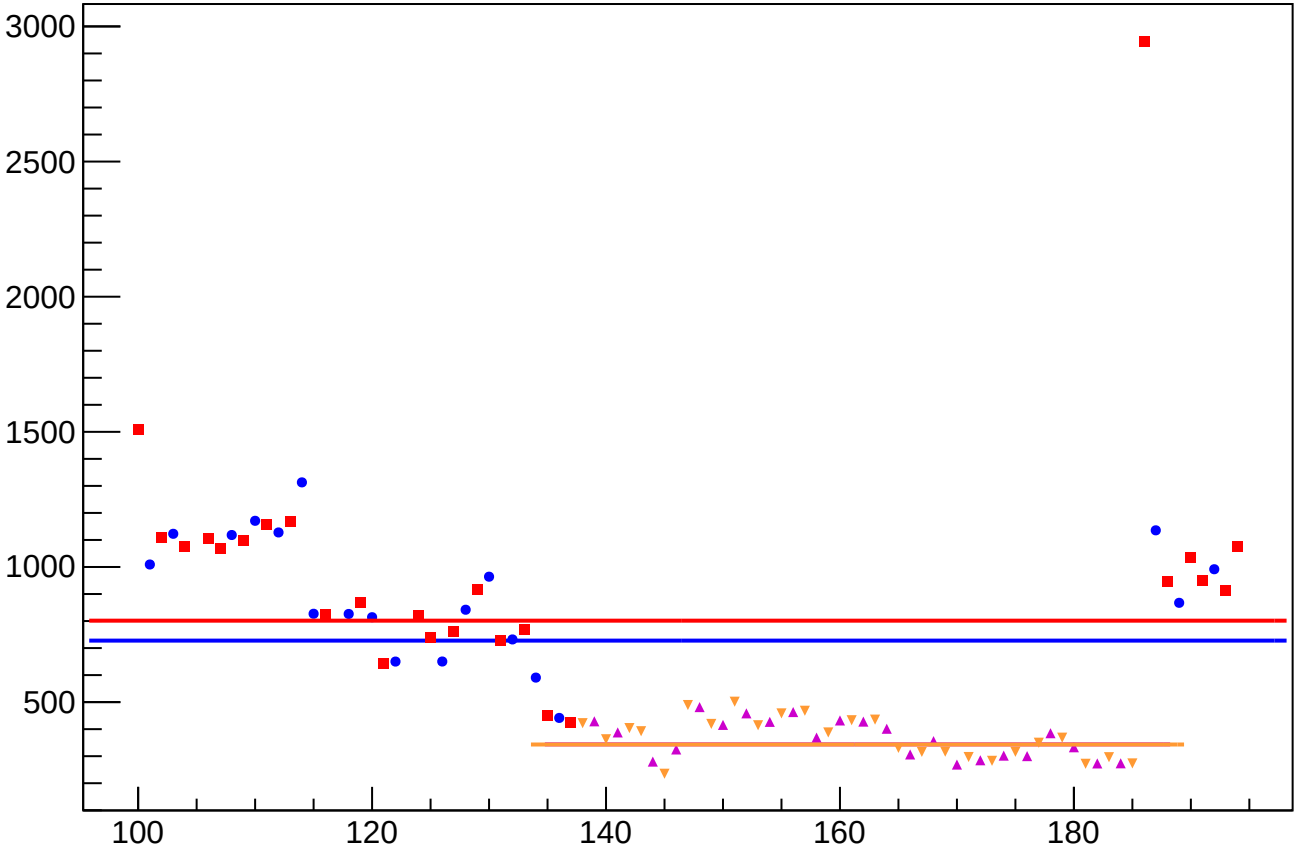
Right: 146.340+/-180.411 χ^2/NDF: 47.2/43

In: 56.635+/-78.215 χ^2/NDF:52.7/41

Out: 57.106+/-76.145 χ^2/NDF:59.4/49

All: 56.877+/-54.560 χ^2/NDF: 112.1/91

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 727.609+/-0.182 χ^2/NDF: 1754451.9/18

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 801.402+/-0.179 χ^2/NDF: 2233819.0/24

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

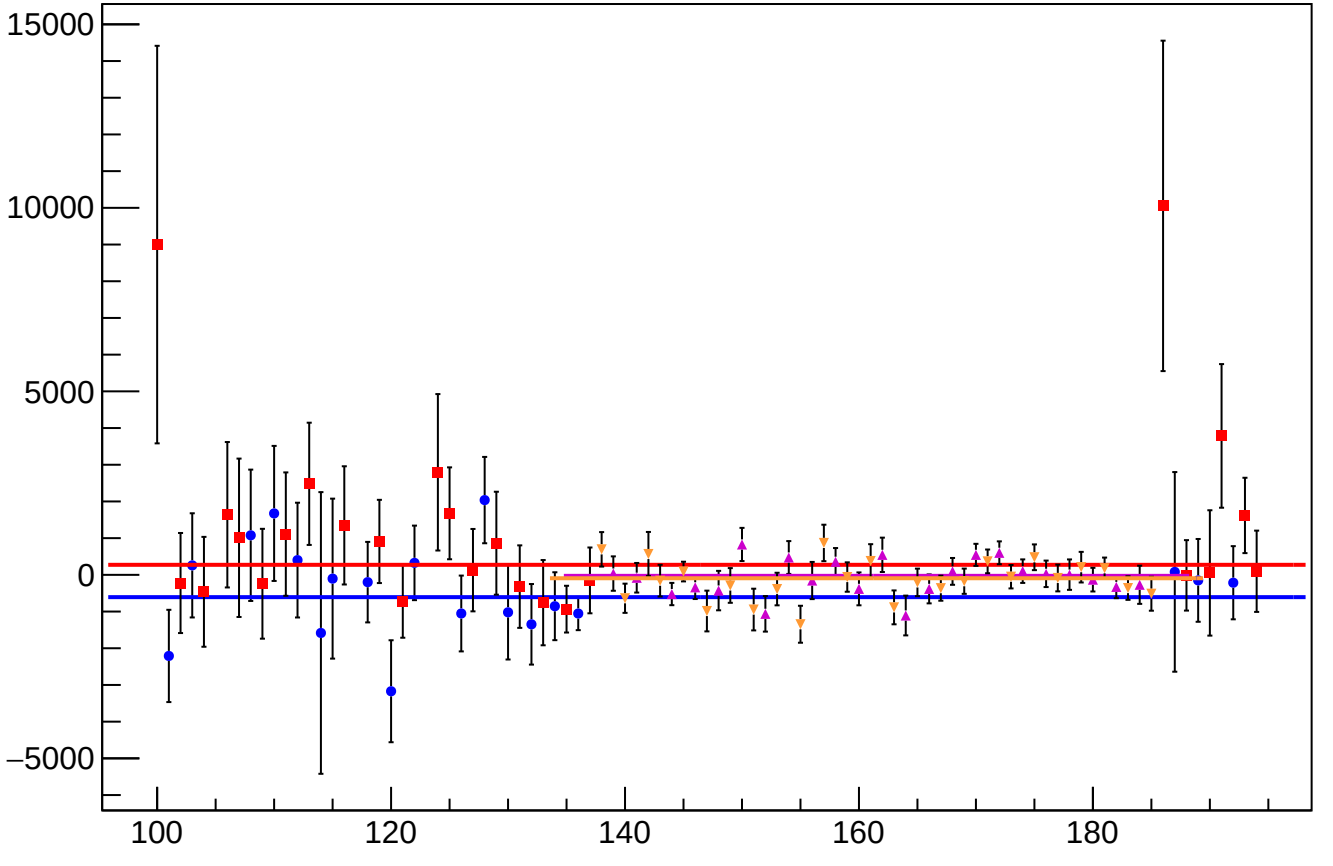
Right: 765.032+/-0.128 χ^2/NDF: 4071905.9/43

In: 379.280+/-0.055 χ^2/NDF:7062627.4/41

Out: 384.617+/-0.054 χ^2/NDF:9779988.3/49

All: 382.020+/-0.039 χ^2/NDF: 16847396.8/91

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -607.448+/-251.549 χ^2/NDF: 16.6/18

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: 273.353+/-252.062 χ^2/NDF: 25.0/24

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

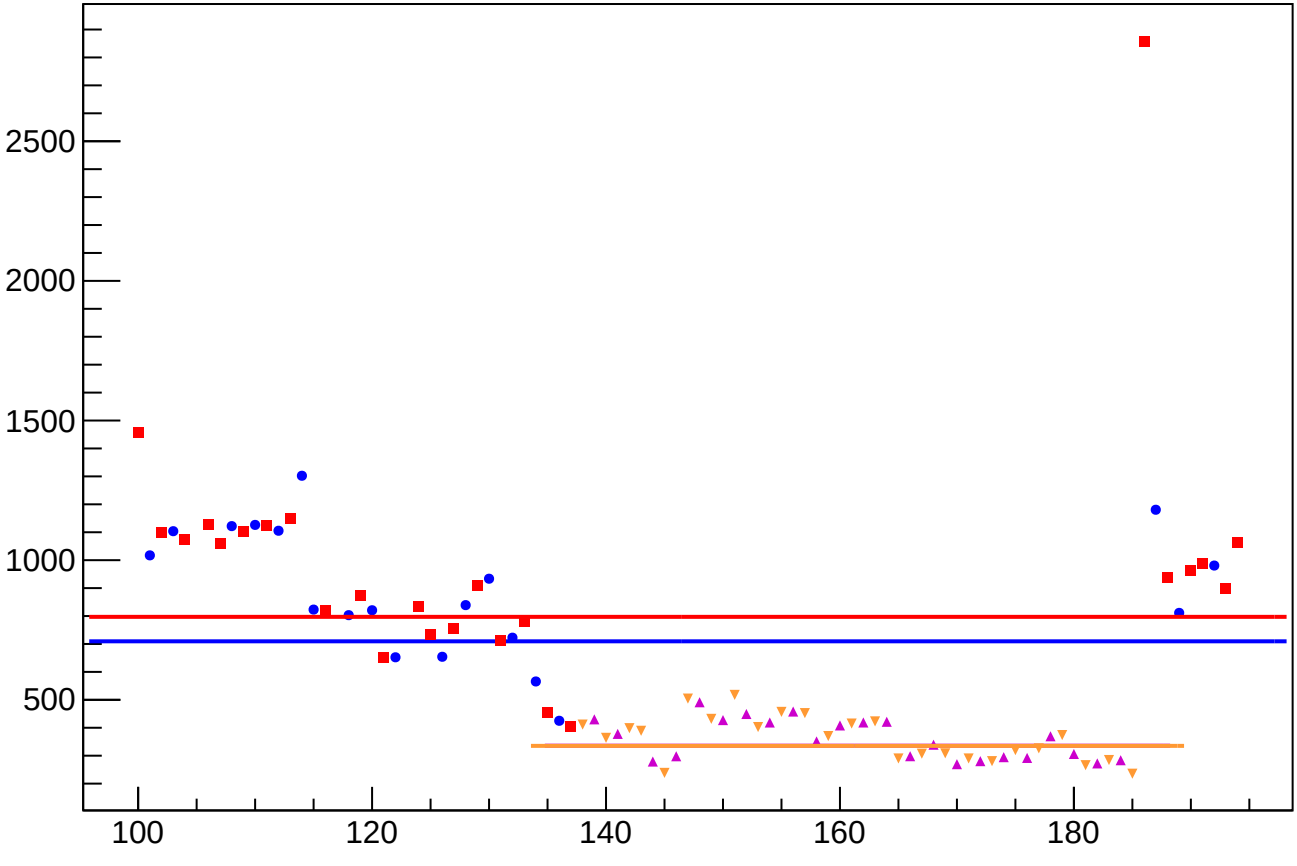
Right: -167.946+/-178.053 χ^2/NDF: 47.7/43

In: -80.725+/-76.417 χ^2/NDF:52.3/41

Out: -60.546+/-74.674 χ^2/NDF:61.1/49

All: -70.403+/-53.408 χ^2/NDF: 113.4/91

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 709.498+/-0.178 χ^2/NDF: 1850337.7/18

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

Right Out: 797.101+/-0.178 χ^2/NDF: 2212546.9/24

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

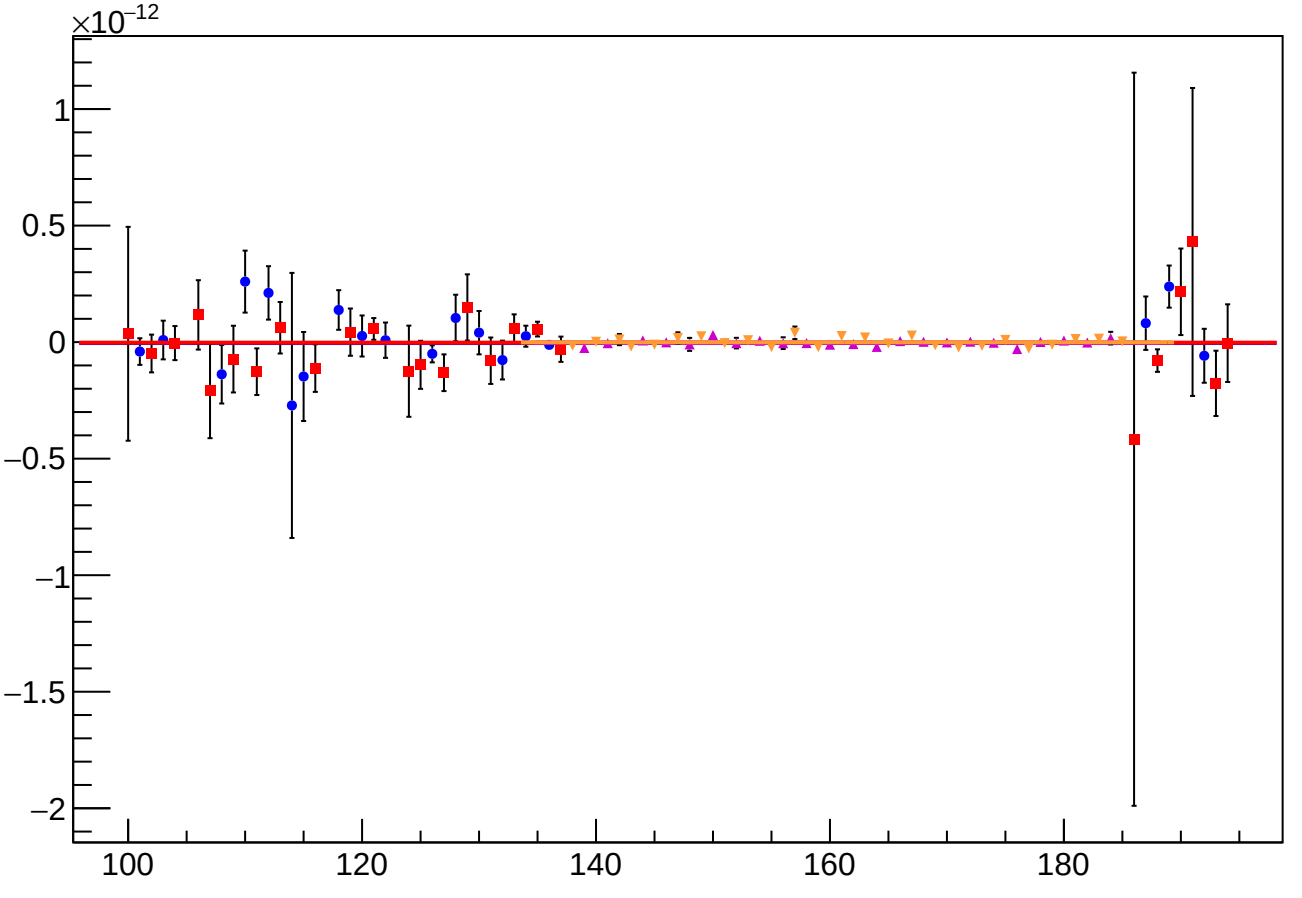
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 753.210+/-0.126 χ^2/NDF: 4183919.2/43

In: 370.275+/-0.054 χ^2/NDF:7148599.6/41

Out: 375.694+/-0.053 χ^2/NDF:10046477.7/49

All: 373.047+/-0.038 χ^2/NDF: 17200220.5/91



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/24

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

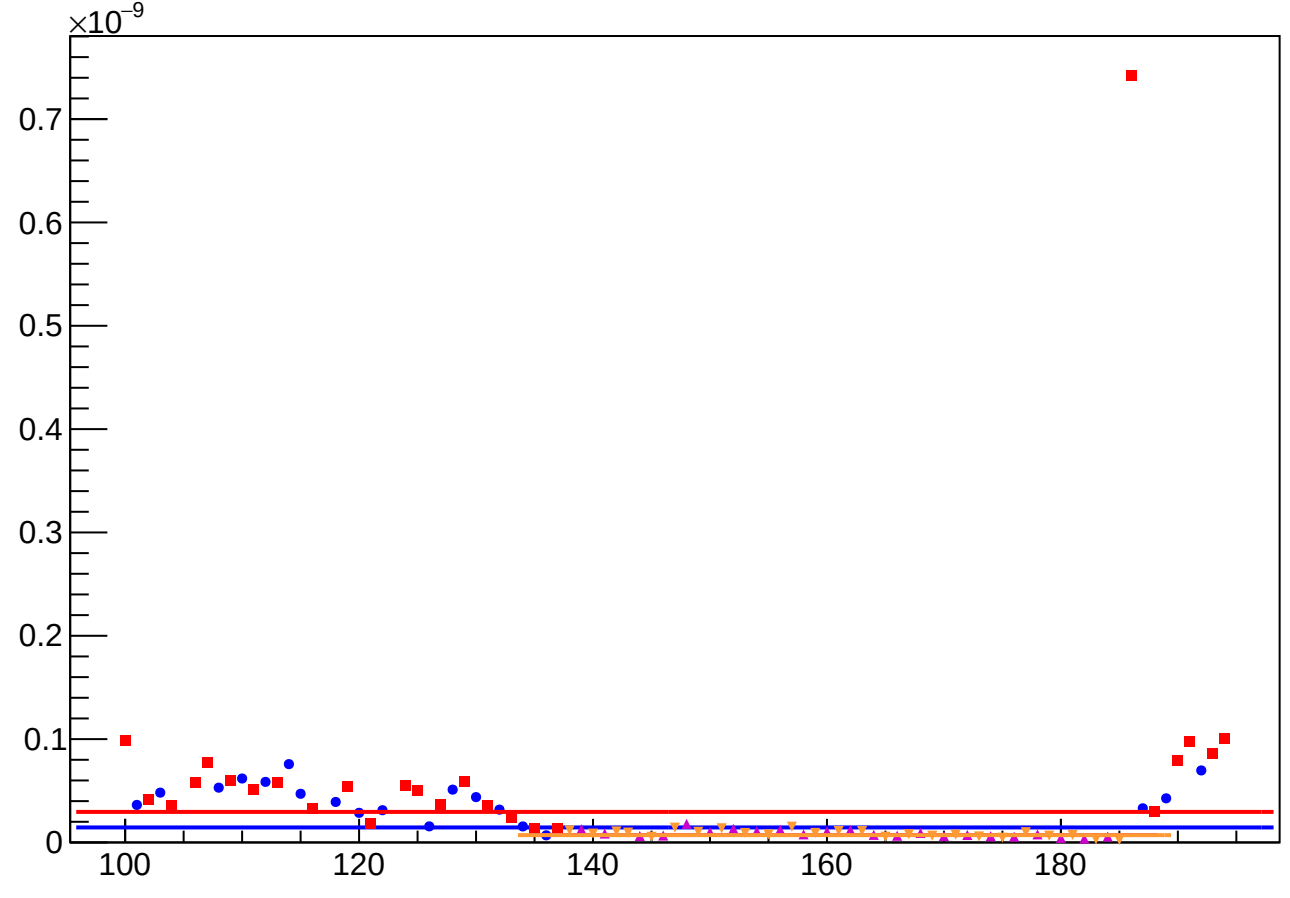
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 48.6/43

In: -0.000+/-0.000 χ^2/NDF:40.1/41

Out: -0.000+/-0.000 χ^2/NDF:56.6/49

All: -0.000+/-0.000 χ^2/NDF: 96.7/91



Right In: 0.000+/-0.000 χ^2/NDF: 3764003.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3037178.9/24

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

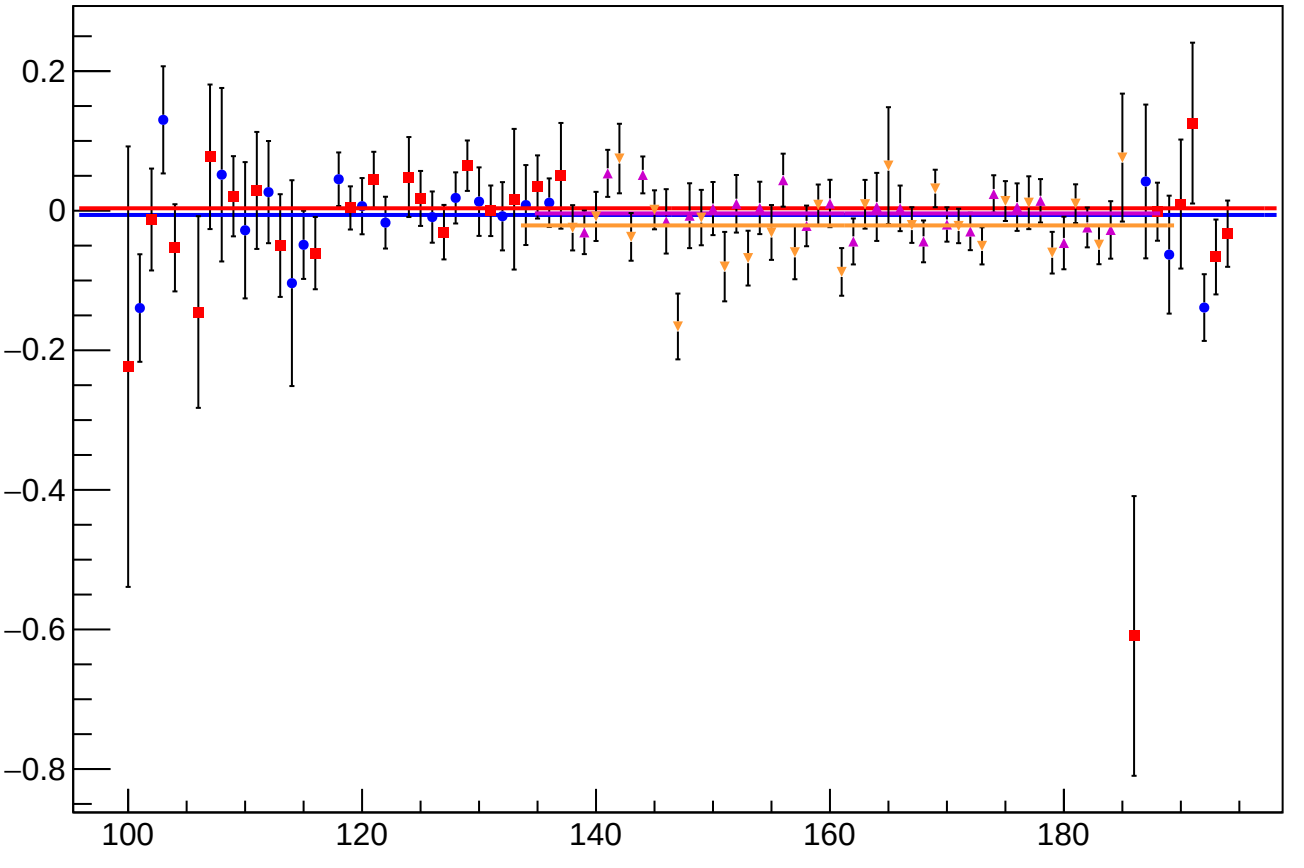
Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

Right: 0.000+/-0.000 χ^2/NDF: 8044334.0/43

In: 0.000+/-0.000 χ^2/NDF:6296737.5/41

Out: 0.000+/-0.000 χ^2/NDF:8841636.7/49

All: 0.000+/-0.000 χ^2/NDF: 15138392.7/91



Right In: -0.006+/-0.012 χ^2/NDF: 19.1/18

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.003+/-0.011 χ^2/NDF: 24.3/24

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

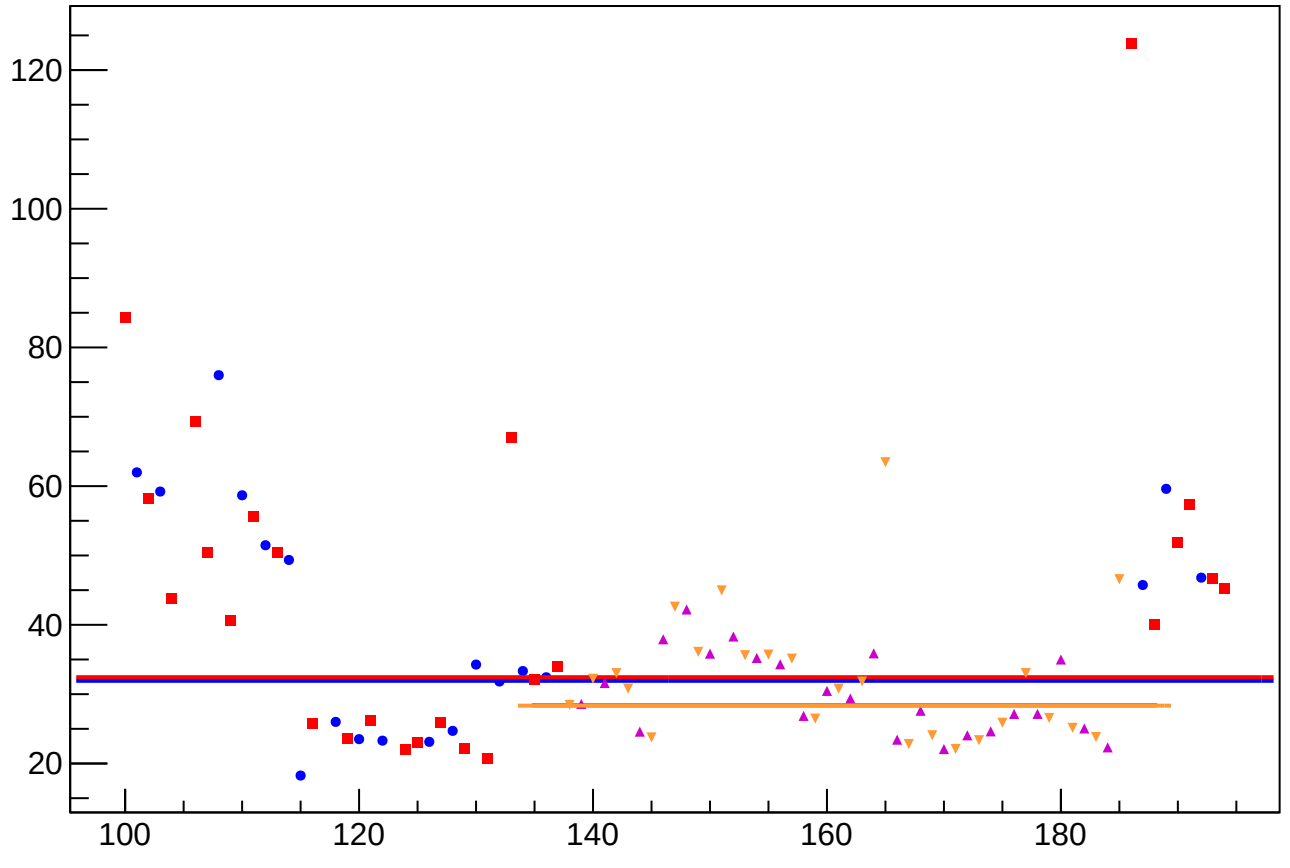
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: -0.001+/-0.008 χ^2/NDF: 43.8/43

In: -0.004+/-0.006 χ^2/NDF:37.8/41

Out: -0.014+/-0.006 χ^2/NDF:65.3/49

All: -0.010+/-0.004 χ^2/NDF: 104.5/91



Right In: 31.926+/-0.008 χ^2/NDF: 2167447.6/18

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 32.446+/-0.008 χ^2/NDF: 2928334.2/24

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

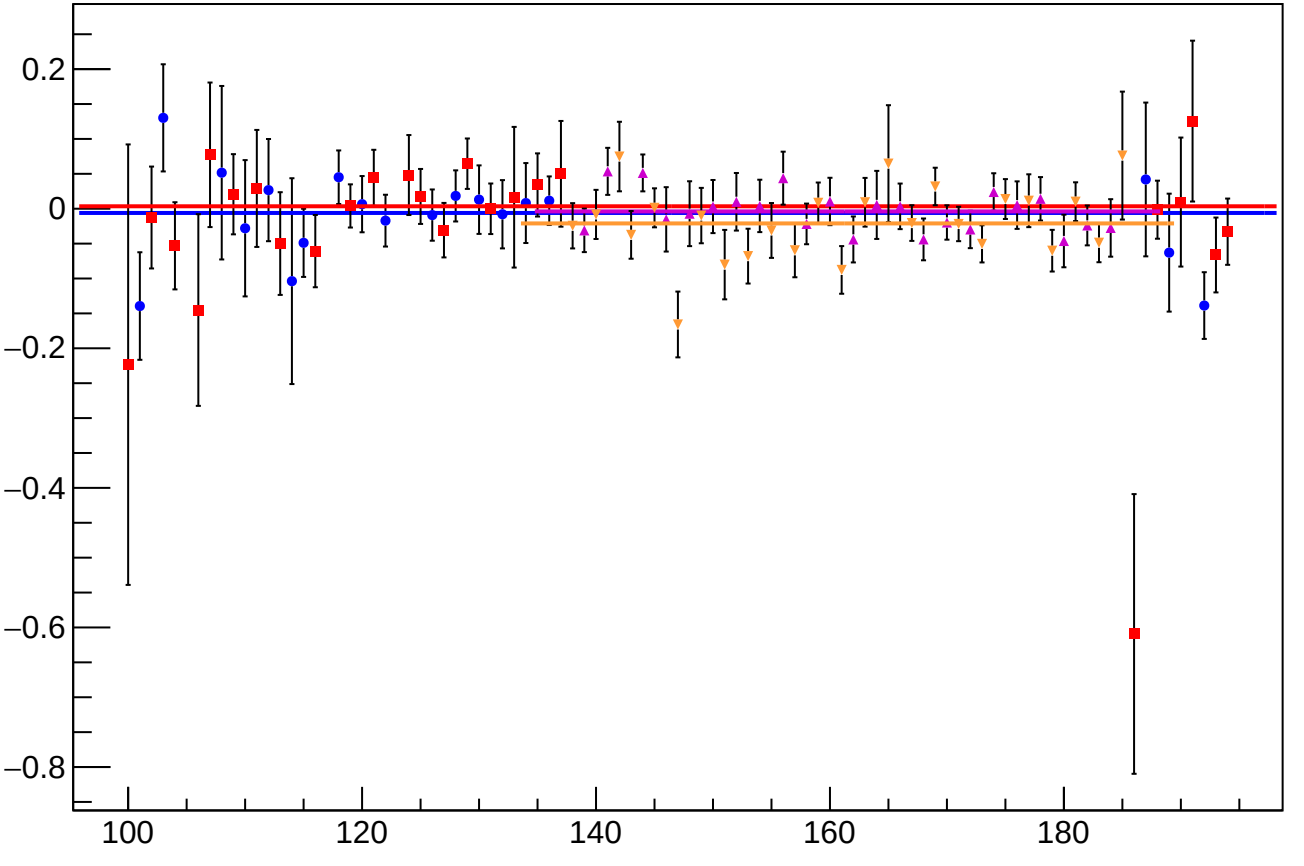
Right: 32.210+/-0.006 χ^2/NDF: 5097933.7/43

In: 29.293+/-0.004 χ^2/NDF:3402076.5/41

Out: 29.492+/-0.004 χ^2/NDF:4874106.9/49

All: 29.397+/-0.003 χ^2/NDF: 8277365.3/91

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.012 χ^2/NDF: 19.1/18

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.003+/-0.011 χ^2/NDF: 24.3/24

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

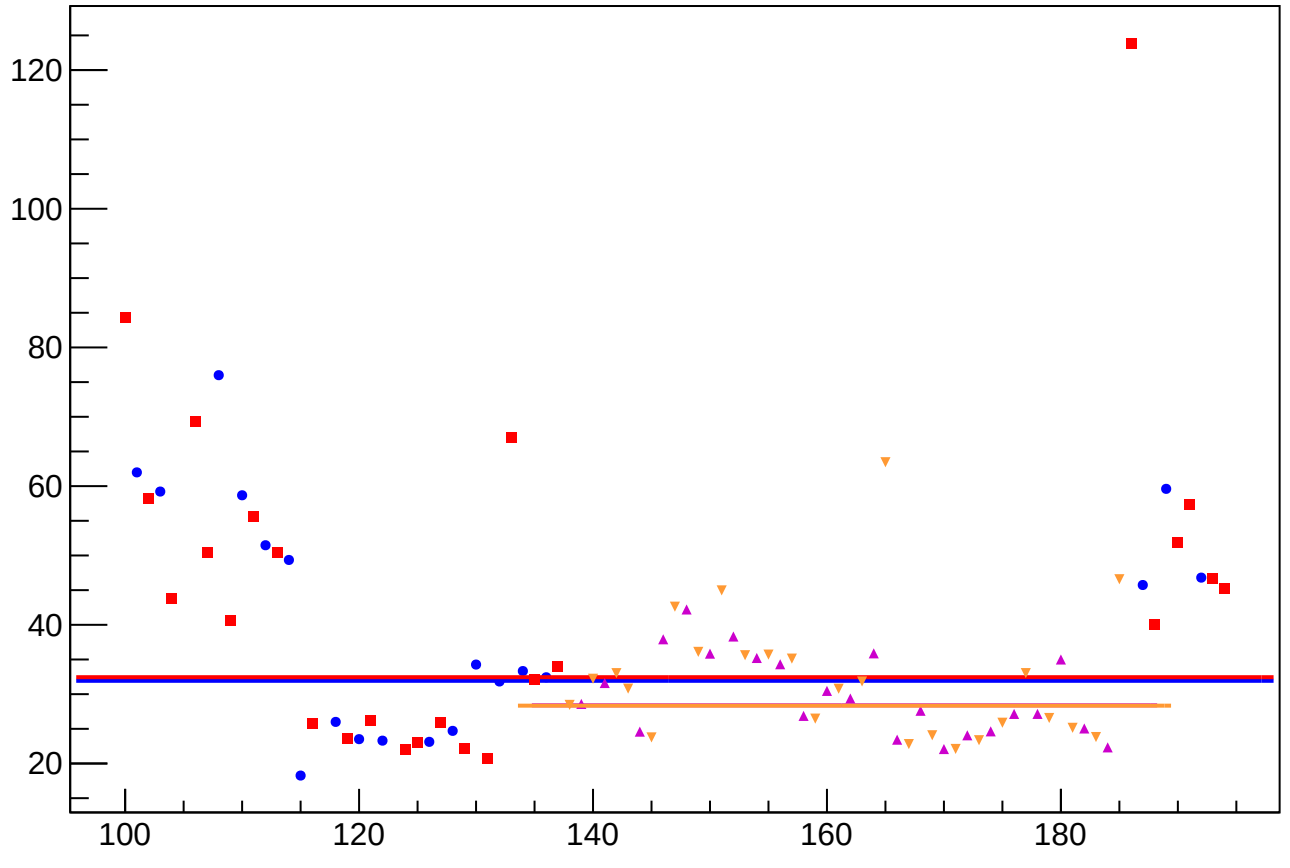
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: -0.001+/-0.008 χ^2/NDF: 43.8/43

In: -0.004+/-0.006 χ^2/NDF:37.8/41

Out: -0.014+/-0.006 χ^2/NDF:65.3/49

All: -0.010+/-0.004 χ^2/NDF: 104.5/91



Right In: 31.926+/-0.008 χ^2/NDF: 2167447.6/18

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 32.446+/-0.008 χ^2/NDF: 2928334.2/24

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

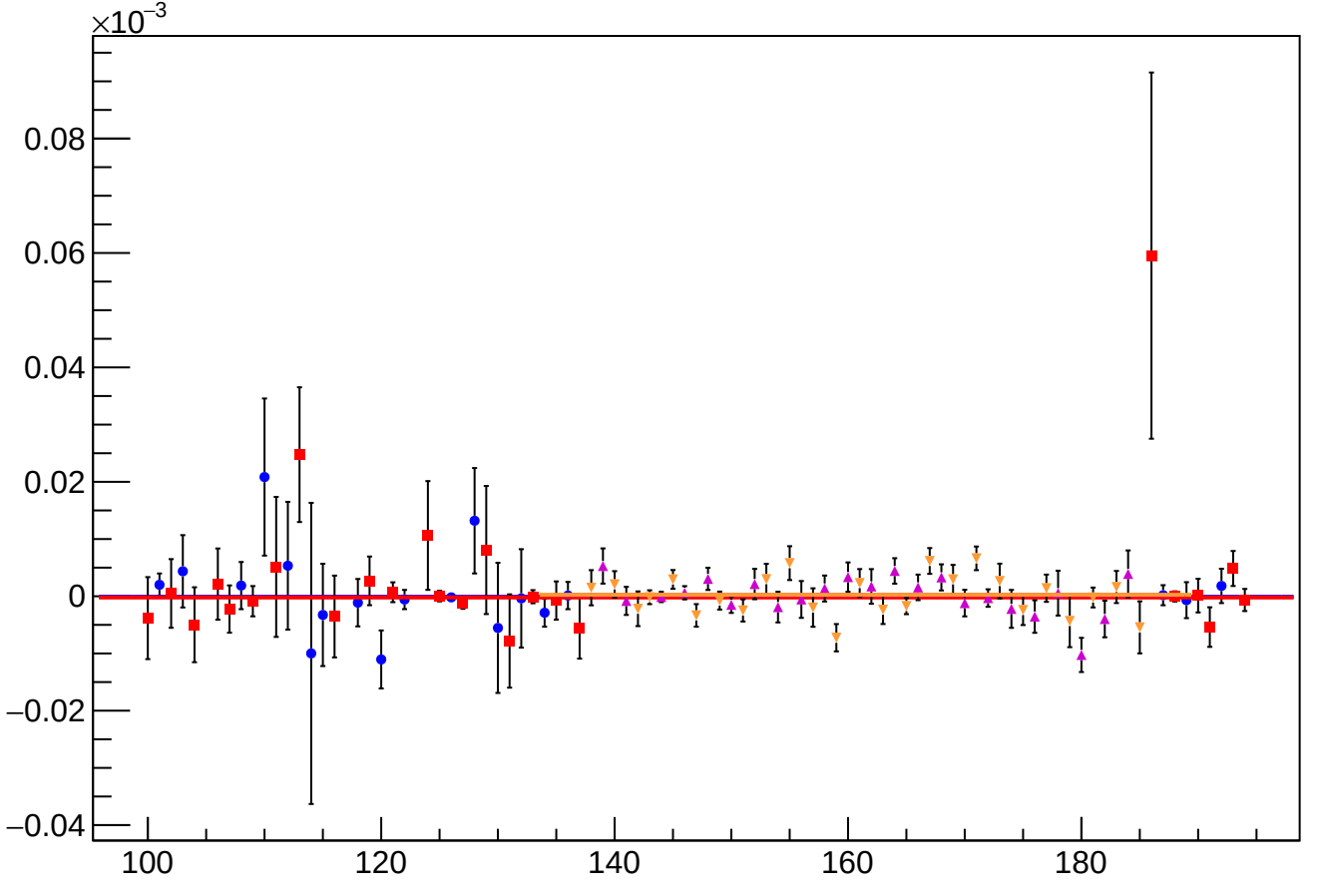
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 32.210+/-0.006 χ^2/NDF: 5097933.7/43

In: 29.293+/-0.004 χ^2/NDF:3402076.5/41

Out: 29.492+/-0.004 χ^2/NDF:4874106.9/49

All: 29.397+/-0.003 χ^2/NDF: 8277365.3/91



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/24

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

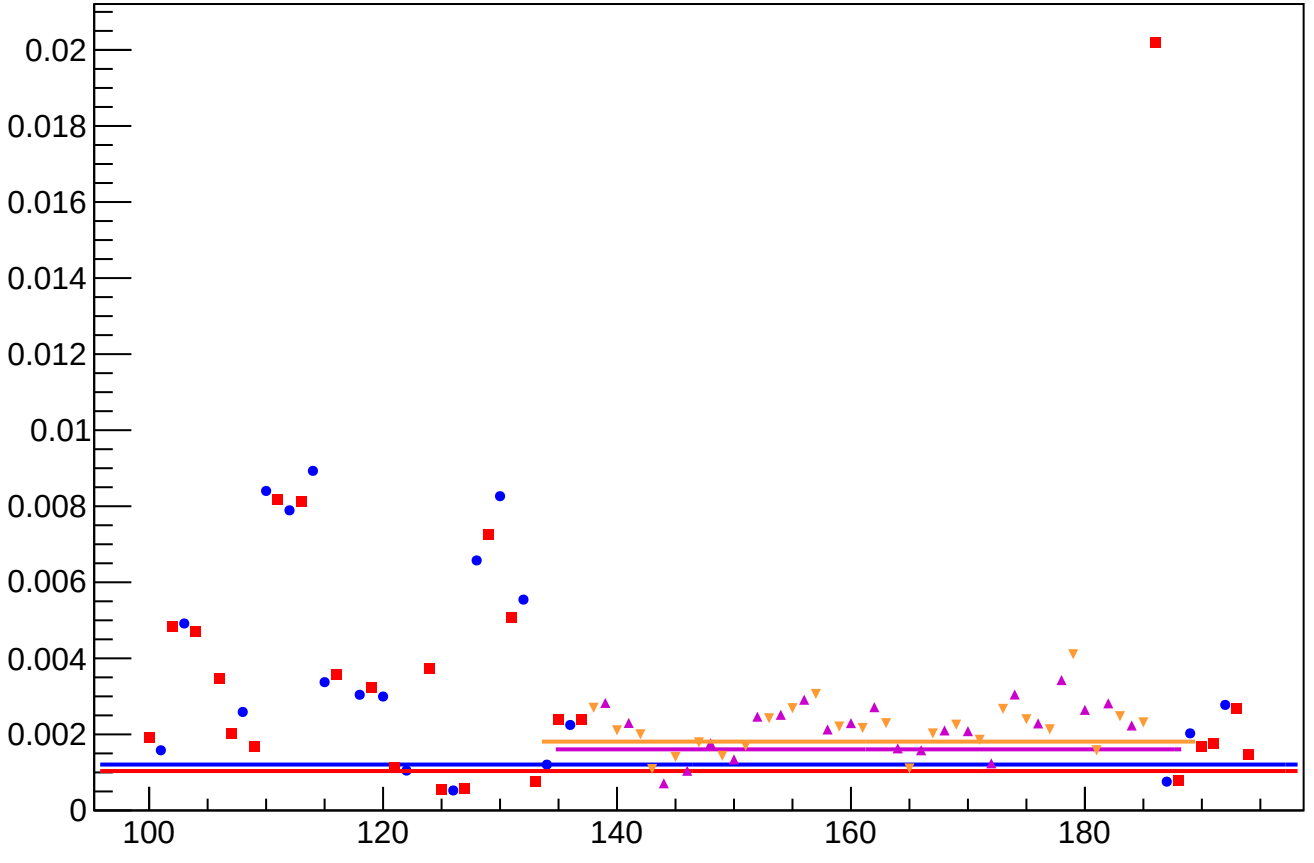
Right: -0.000+/-0.000 χ^2/NDF: 33.6/43

In: 0.000+/-0.000 χ^2/NDF:47.1/41

Out: 0.000+/-0.000 χ^2/NDF:71.4/49

All: 0.000+/-0.000 χ^2/NDF: 118.5/91

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7705500.7/18

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8679615.6/24

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

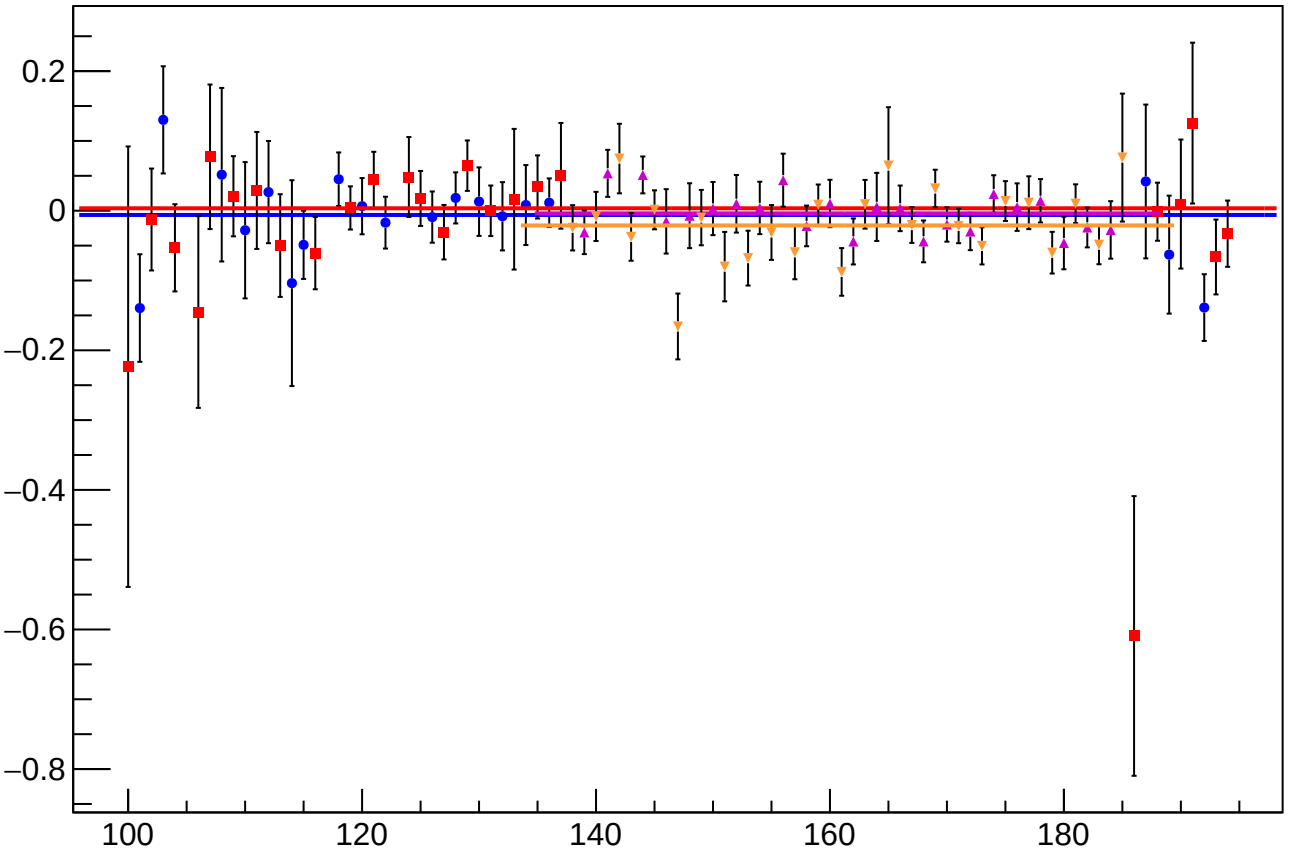
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 16502900.7/43

In: 0.001+/-0.000 χ^2/NDF:14385923.0/41

Out: 0.001+/-0.000 χ^2/NDF:15345176.8/49

All: 0.001+/-0.000 χ^2/NDF: 29750758.0/91



Right In: -0.006+/-0.012 χ^2/NDF: 19.1/18

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.003+/-0.011 χ^2/NDF: 24.3/24

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

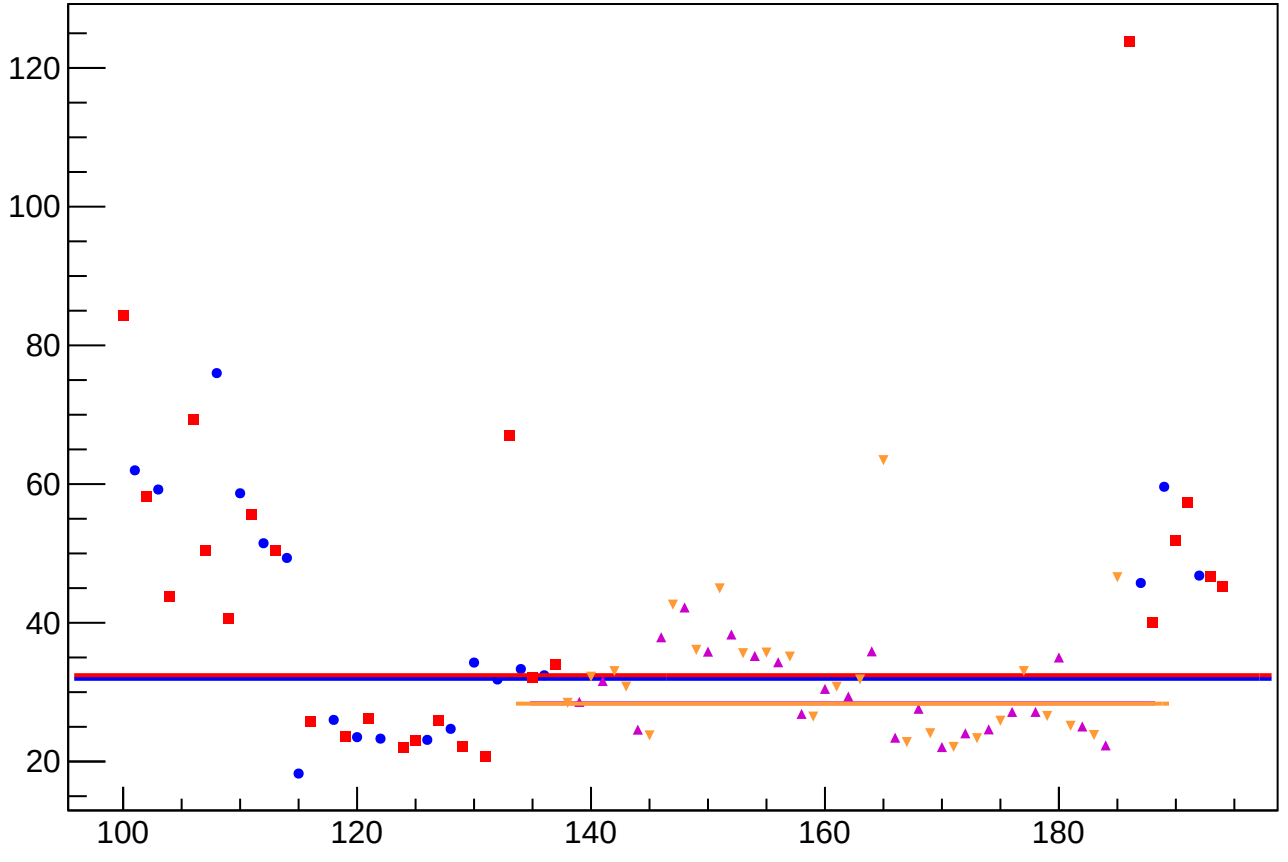
Right: -0.001+/-0.008 χ^2/NDF: 43.8/43

In: -0.004+/-0.006 χ^2/NDF:37.8/41

Out: -0.014+/-0.006 χ^2/NDF:65.3/49

All: -0.010+/-0.004 χ^2/NDF: 104.5/91

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.926+/-0.008 χ^2/NDF: 2167297.6/18

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 32.445+/-0.008 χ^2/NDF: 2928354.4/24

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

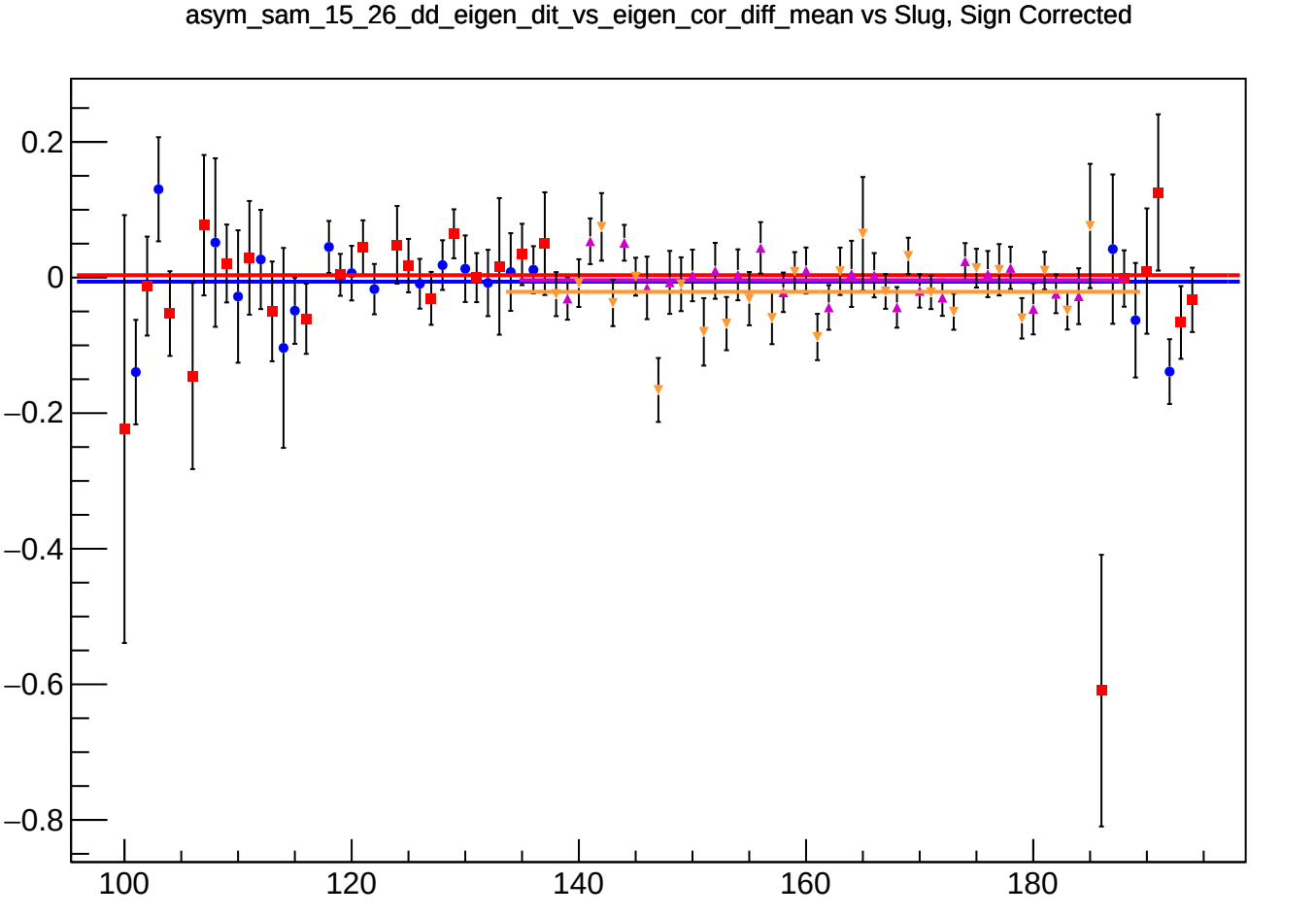
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 32.209+/-0.006 χ^2/NDF: 5097799.3/43

In: 29.293+/-0.004 χ^2/NDF:3401914.0/41

Out: 29.492+/-0.004 χ^2/NDF:4874064.0/49

All: 29.397+/-0.003 χ^2/NDF: 8277156.6/91



Right In: -0.006+/-0.012 χ^2/NDF: 19.1/18

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.003+/-0.011 χ^2/NDF: 24.3/24

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

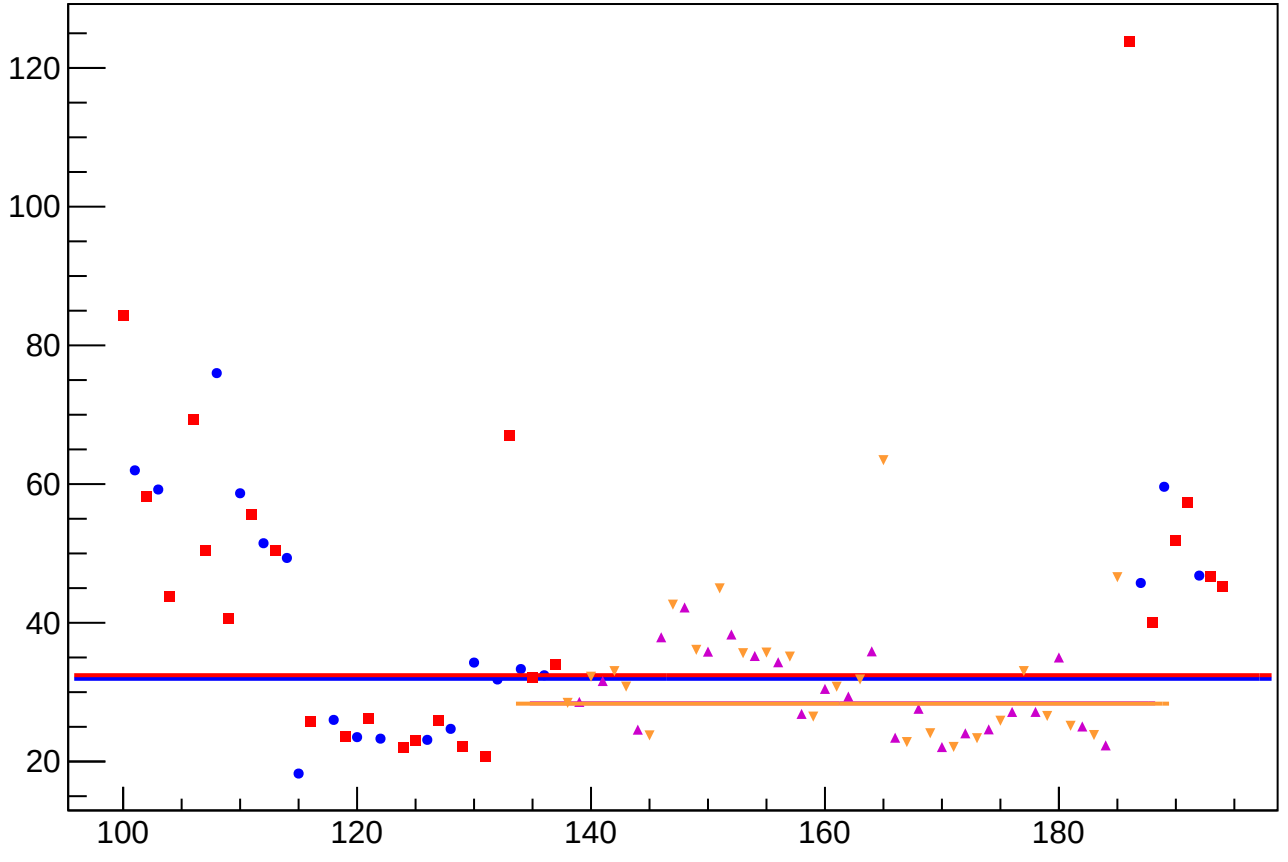
Right: -0.001+/-0.008 χ^2/NDF: 43.8/43

In: -0.004+/-0.006 χ^2/NDF:37.8/41

Out: -0.014+/-0.006 χ^2/NDF:65.3/49

All: -0.010+/-0.004 χ^2/NDF: 104.5/91

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.926+/-0.008 χ^2/NDF: 2167297.6/18

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 32.445+/-0.008 χ^2/NDF: 2928354.4/24

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

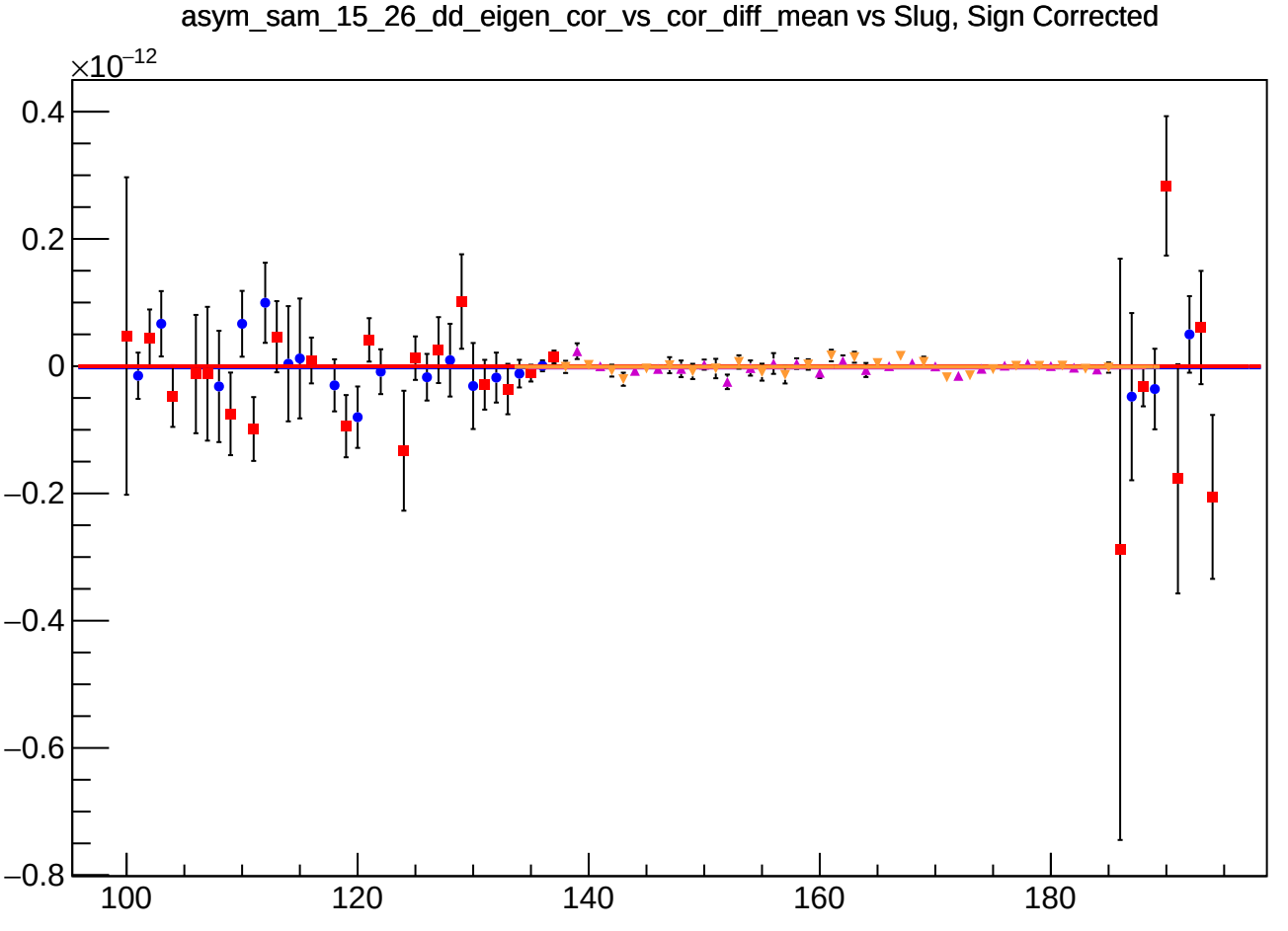
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 32.209+/-0.006 χ^2/NDF: 5097799.3/43

In: 29.293+/-0.004 χ^2/NDF:3401914.0/41

Out: 29.492+/-0.004 χ^2/NDF:4874064.0/49

All: 29.397+/-0.003 χ^2/NDF: 8277156.6/91



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/24

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

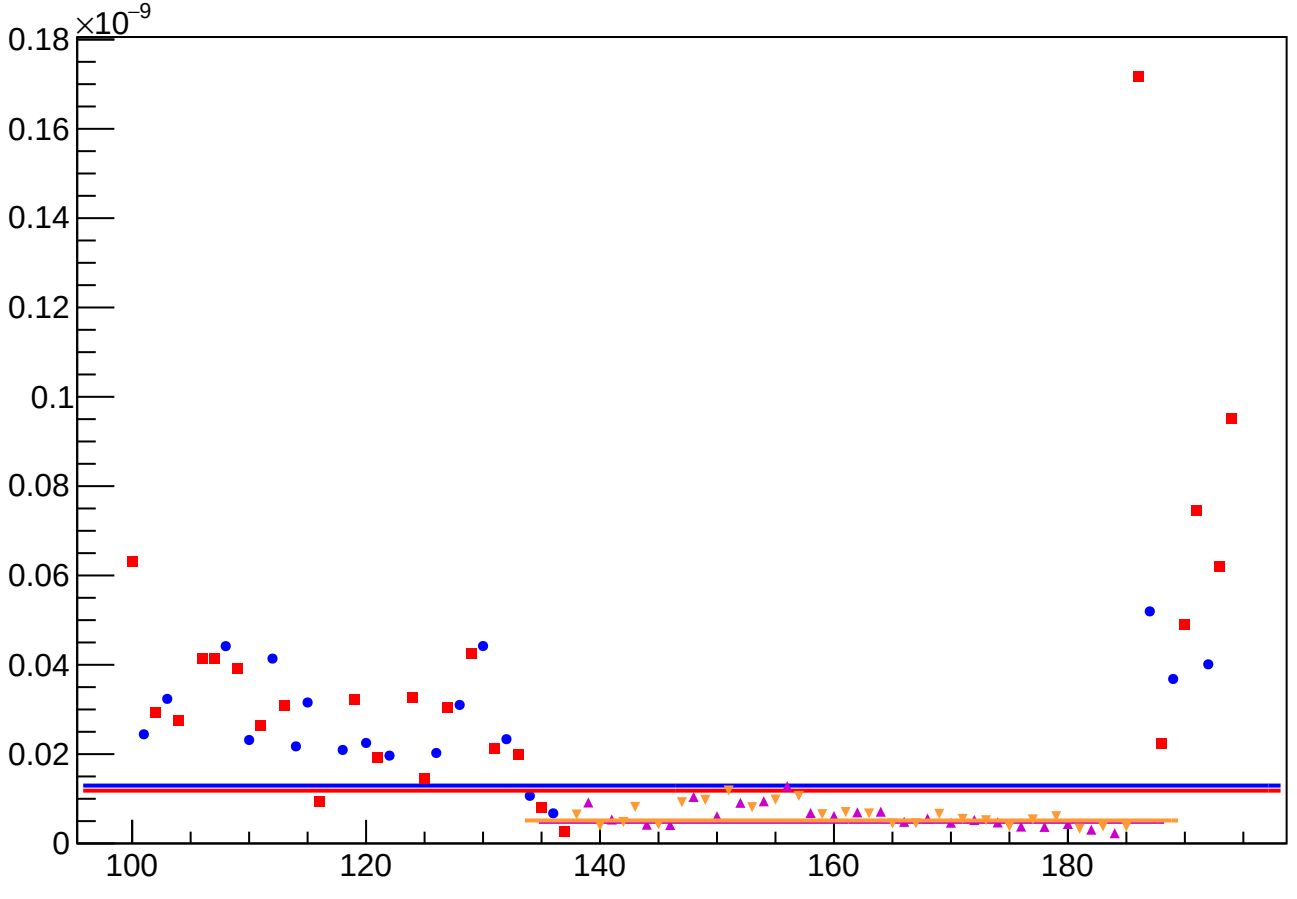
Right: -0.000+/-0.000 χ^2/NDF: 45.1/43

In: -0.000+/-0.000 χ^2/NDF:31.1/41

Out: -0.000+/-0.000 χ^2/NDF:67.7/49

All: -0.000+/-0.000 χ^2/NDF: 99.0/91

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4328664.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7267370.5/24

Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

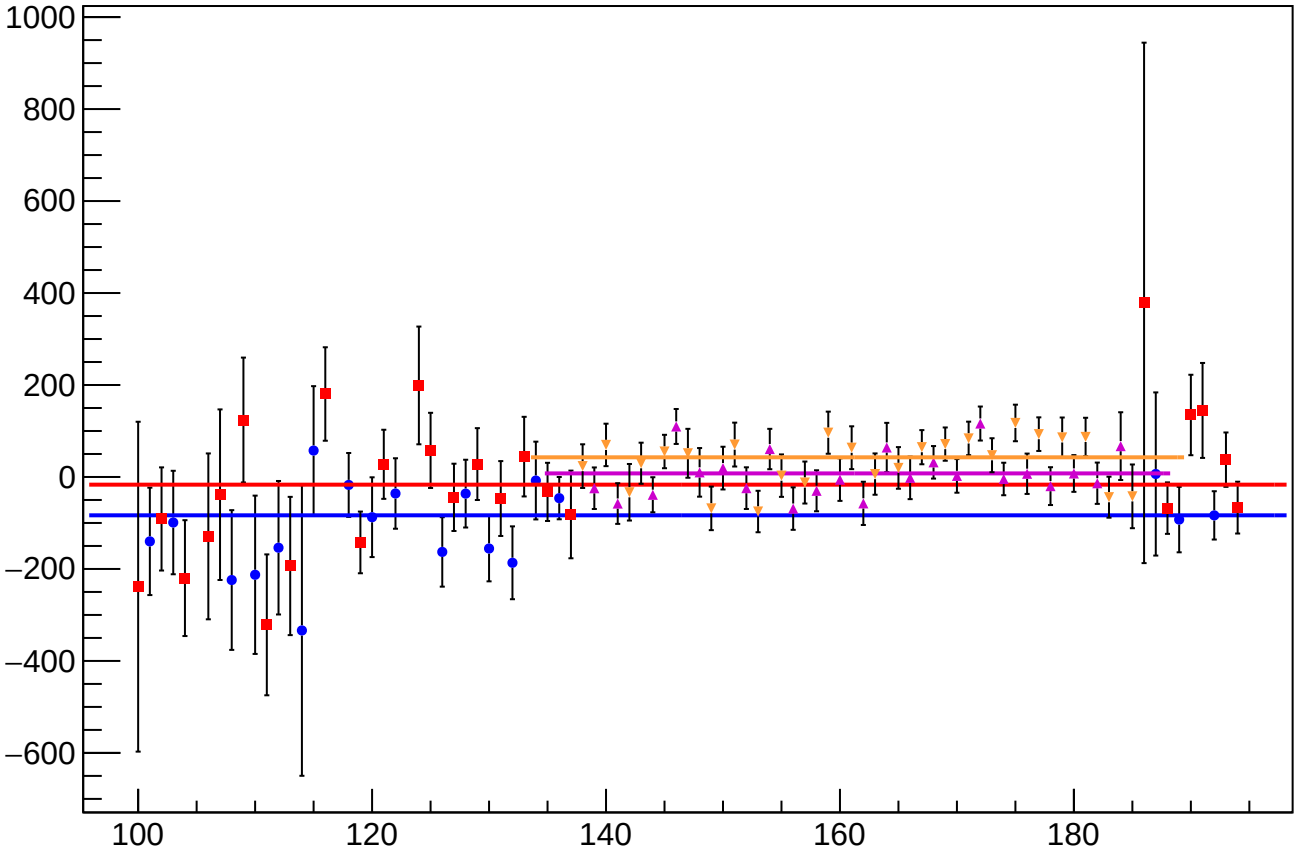
Left: 0.000+/-0.000 χ^2/NDF: 6121355.4/47

Right: 0.000+/-0.000 χ^2/NDF: 11625632.7/43

In: 0.000+/-0.000 χ^2/NDF:10154173.8/41

Out: 0.000+/-0.000 χ^2/NDF:12326172.7/49

All: 0.000+/-0.000 χ^2/NDF: 22518134.5/91



Right In: -83.360+/-19.007 χ^2/NDF: 10.8/18

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: -16.703+/-17.672 χ^2/NDF: 31.6/24

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

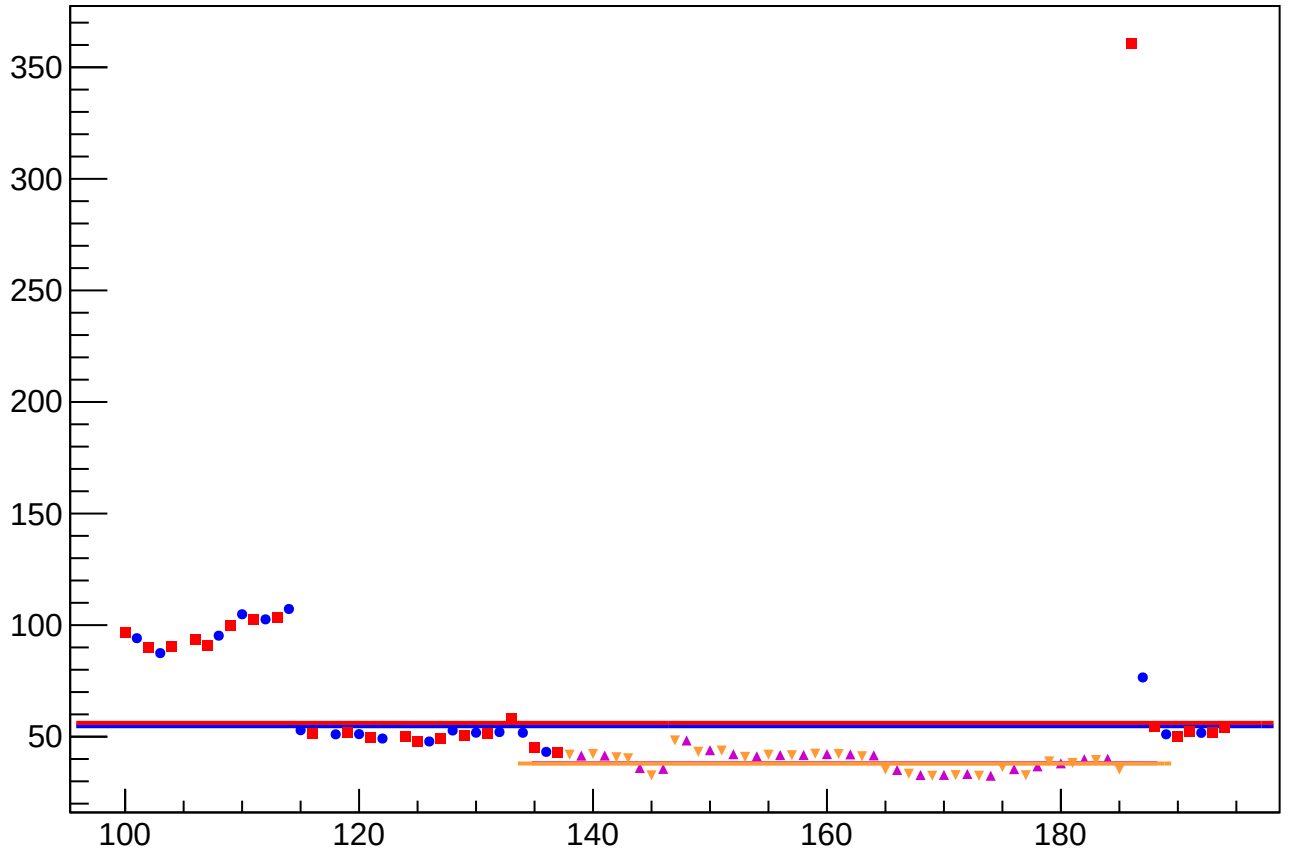
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -47.610+/-12.942 χ^2/NDF: 49.0/43

In: -8.832+/-8.115 χ^2/NDF:60.2/41

Out: 31.168+/-7.804 χ^2/NDF:75.4/49

All: 11.949+/-5.625 χ^2/NDF: 148.3/91



Right In: 54.693+/-0.013 χ^2/NDF: 1195645.9/18

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 56.210+/-0.012 χ^2/NDF: 1896254.5/24

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

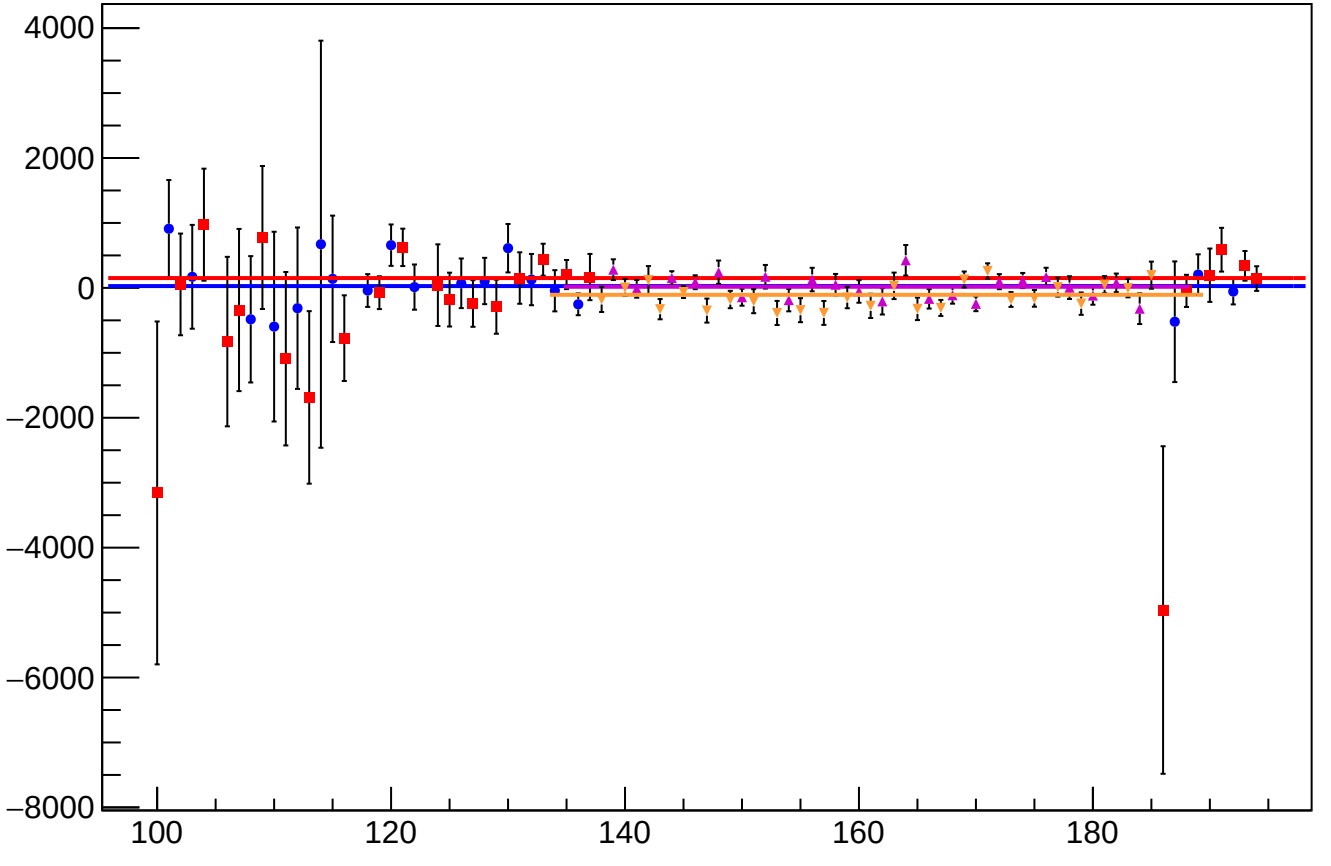
Right: 55.506+/-0.009 χ^2/NDF: 3098734.7/43

In: 41.152+/-0.006 χ^2/NDF:2865434.7/41

Out: 41.543+/-0.006 χ^2/NDF:4121213.2/49

All: 41.355+/-0.004 χ^2/NDF: 6989062.9/91

asym_sam_37_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 27.823+/-81.323 χ^2/NDF: 12.3/18

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: 151.207+/-73.106 χ^2/NDF: 23.3/24

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

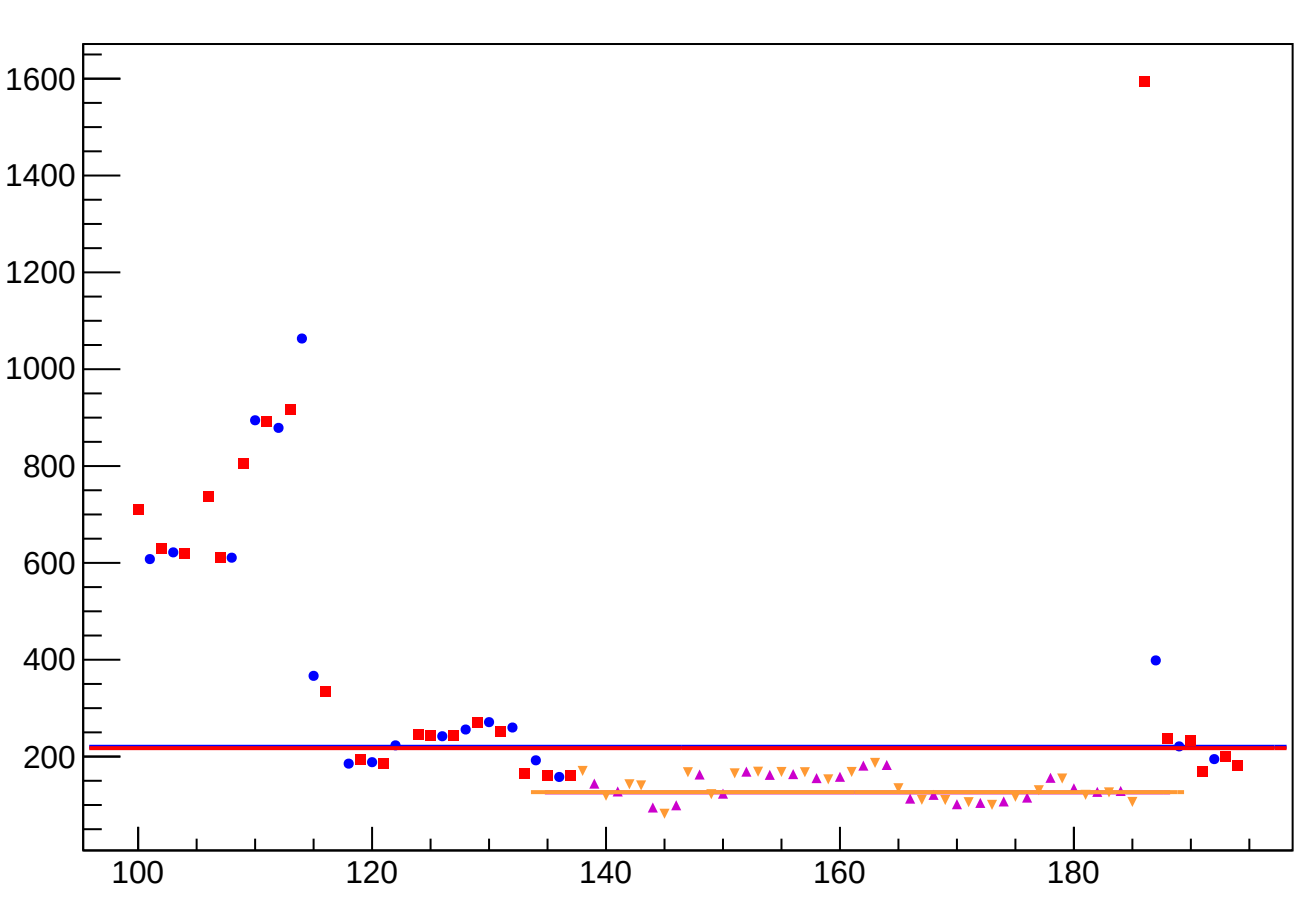
Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

Right: 96.062+/-54.367 χ^2/NDF: 36.8/43

In: 18.765+/-28.299 χ^2/NDF:40.5/41

Out: -70.285+/-27.407 χ^2/NDF:71.6/49

All: -27.185+/-19.687 χ^2/NDF: 117.2/91



Right In: 220.233+/-0.058 χ^2/NDF: 3078226.2/18

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 217.382+/-0.052 χ^2/NDF: 4394486.2/24

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

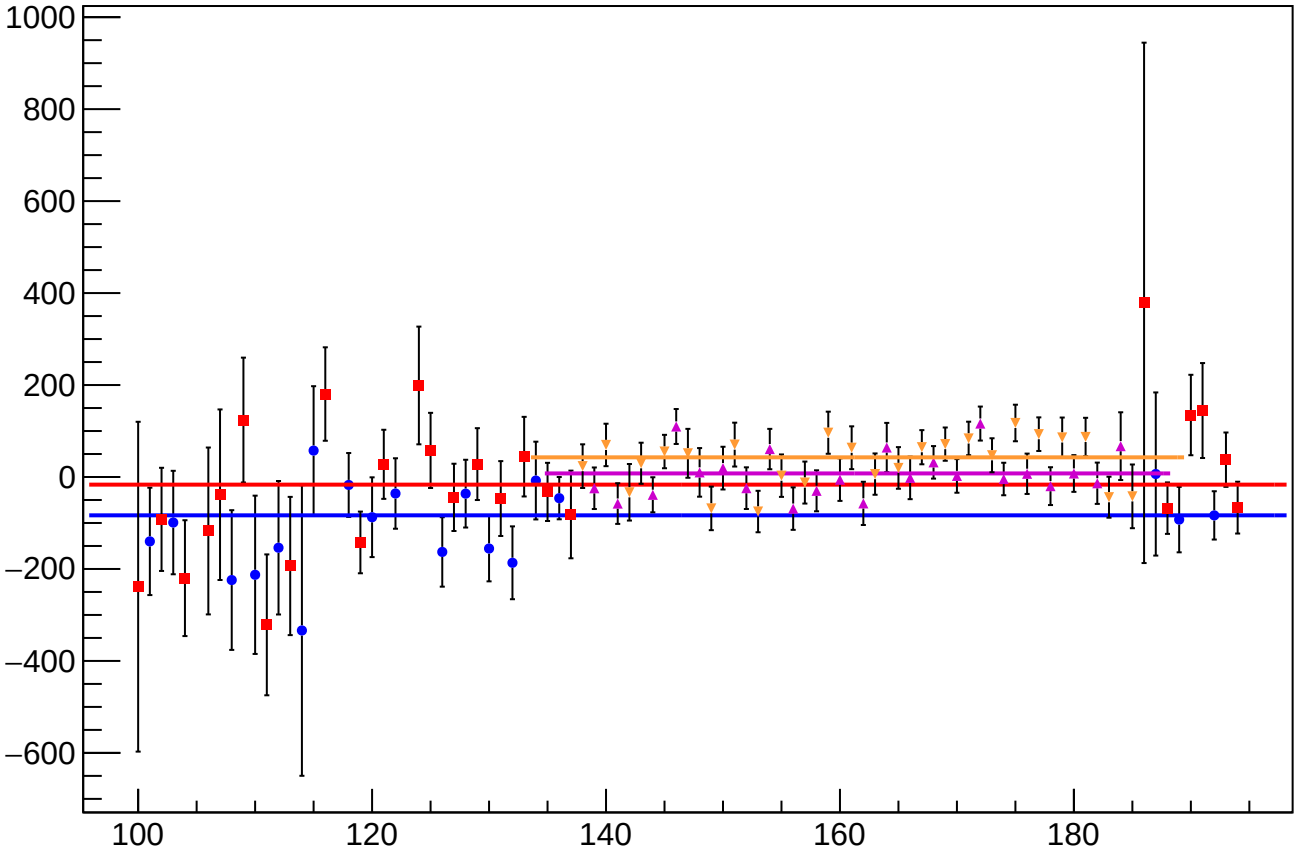
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 218.656+/-0.038 χ^2/NDF: 7474071.7/43

In: 137.423+/-0.020 χ^2/NDF:6848449.8/41

Out: 139.326+/-0.019 χ^2/NDF:8805561.0/49

All: 138.405+/-0.014 χ^2/NDF: 15658677.6/91



Right In: -83.357+/-19.007 χ^2/NDF: 10.8/18

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -16.604+/-17.673 χ^2/NDF: 31.5/24

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

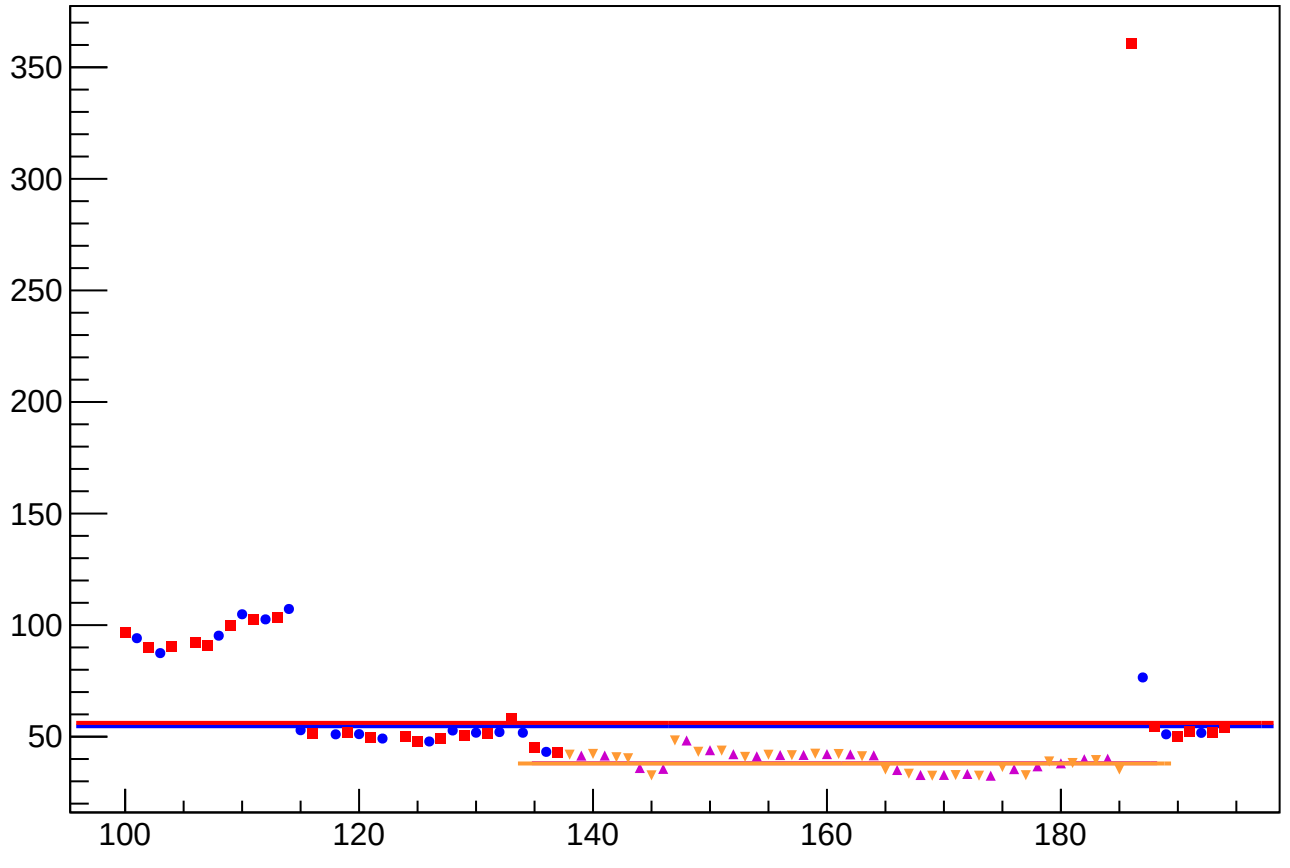
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -47.557+/-12.943 χ^2/NDF: 48.9/43

In: -8.831+/-8.115 χ^2/NDF:60.2/41

Out: 31.190+/-7.804 χ^2/NDF:75.3/49

All: 11.961+/-5.625 χ^2/NDF: 148.2/91



Right In: 54.693+/-0.013 χ^2/NDF: 1195646.1/18

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 56.191+/-0.012 χ^2/NDF: 1888538.2/24

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

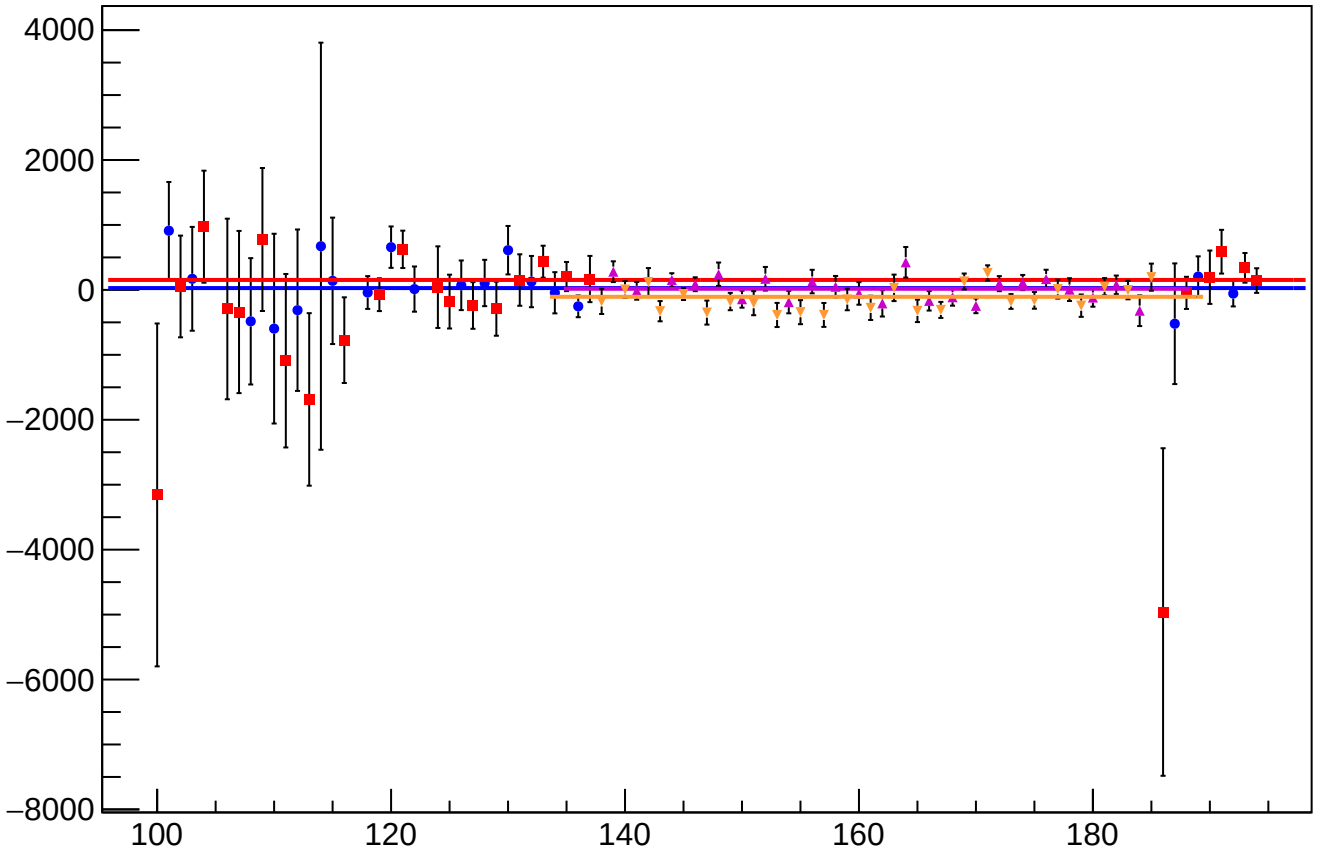
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 55.496+/-0.009 χ^2/NDF: 3090851.1/43

In: 41.152+/-0.006 χ^2/NDF:2865434.9/41

Out: 41.539+/-0.006 χ^2/NDF:4109820.4/49

All: 41.353+/-0.004 χ^2/NDF: 6977621.1/91



Right In: 27.825+/-81.323 χ^2/NDF: 12.3/18

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 153.023+/-73.120 χ^2/NDF: 22.8/24

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

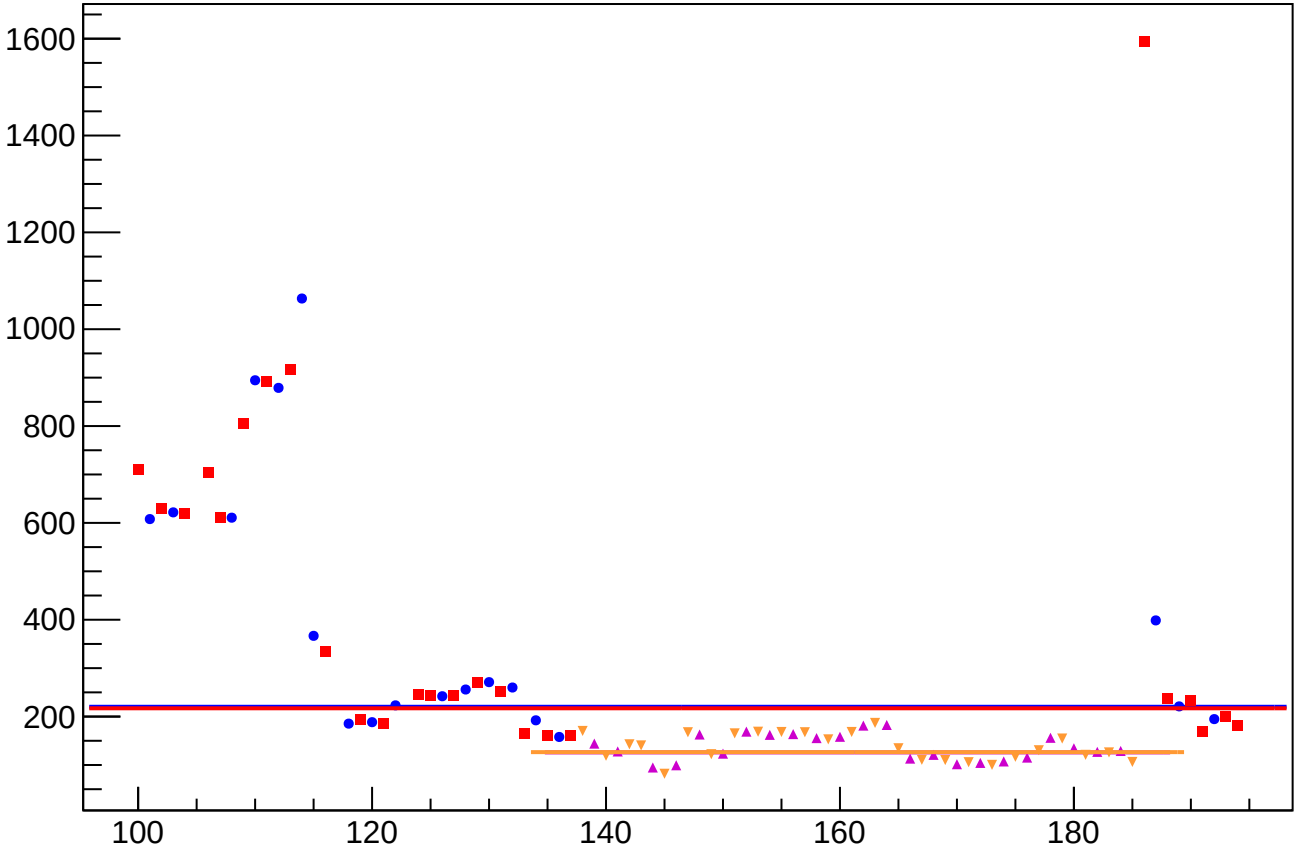
Right: 97.055+/-54.373 χ^2/NDF: 36.4/43

In: 18.765+/-28.299 χ^2/NDF:40.5/41

Out: -70.041+/-27.408 χ^2/NDF:71.3/49

All: -27.058+/-19.688 χ^2/NDF: 116.9/91

asym_sam_37_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 220.233+/-0.058 χ^2/NDF: 3078230.6/18

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 217.099+/-0.052 χ^2/NDF: 4323703.2/24

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

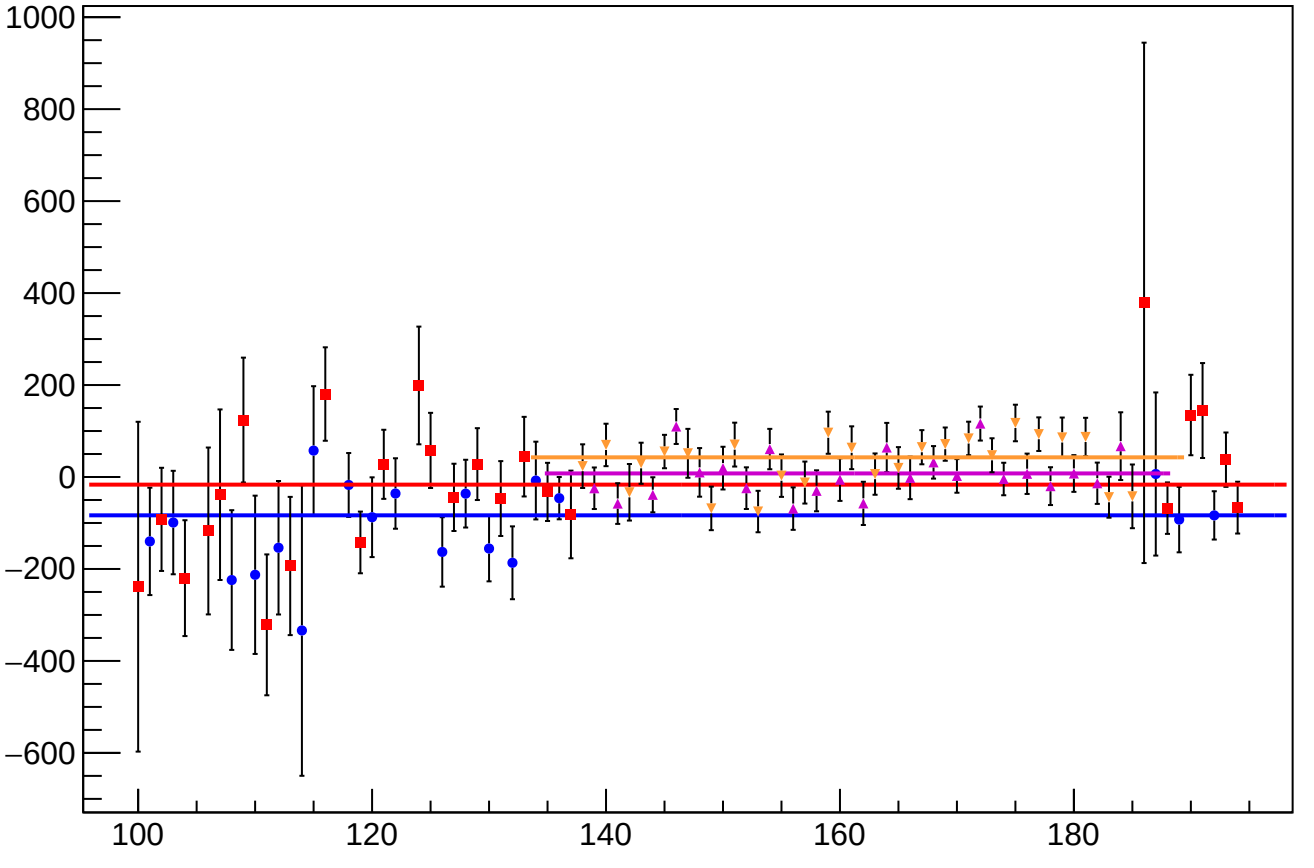
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 218.500+/-0.038 χ^2/NDF: 7403576.2/43

In: 137.422+/-0.020 χ^2/NDF:6848471.7/41

Out: 139.282+/-0.019 χ^2/NDF:8717397.7/49

All: 138.382+/-0.014 χ^2/NDF: 15570323.7/91



Right In: -83.357+/-19.007 χ^2/NDF: 10.8/18

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -16.604+/-17.673 χ^2/NDF: 31.5/24

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

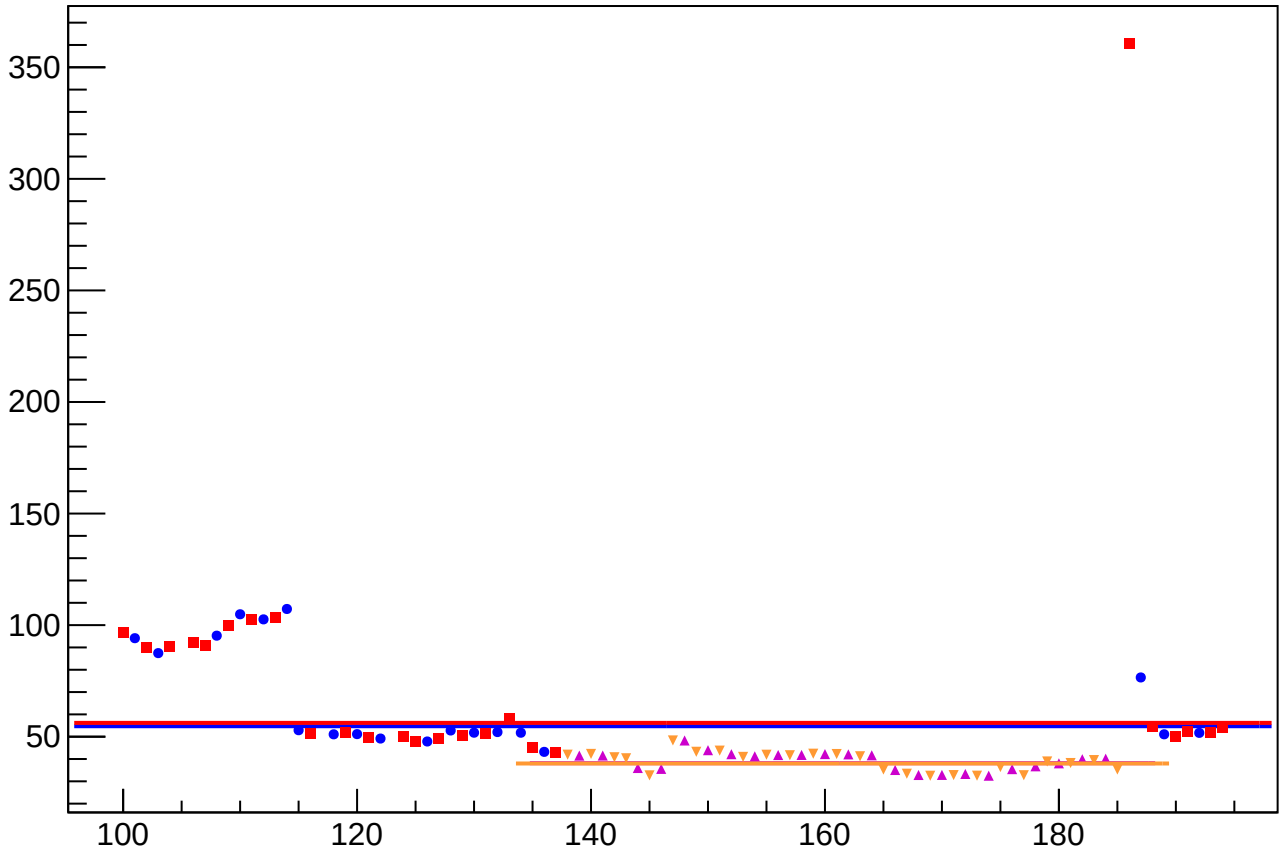
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -47.557+/-12.943 χ^2/NDF: 48.9/43

In: -8.831+/-8.115 χ^2/NDF:60.2/41

Out: 31.190+/-7.804 χ^2/NDF:75.3/49

All: 11.961+/-5.625 χ^2/NDF: 148.2/91



Right In: 54.693+/-0.013 χ^2/NDF: 1195646.1/18

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 56.191+/-0.012 χ^2/NDF: 1888538.2/24

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

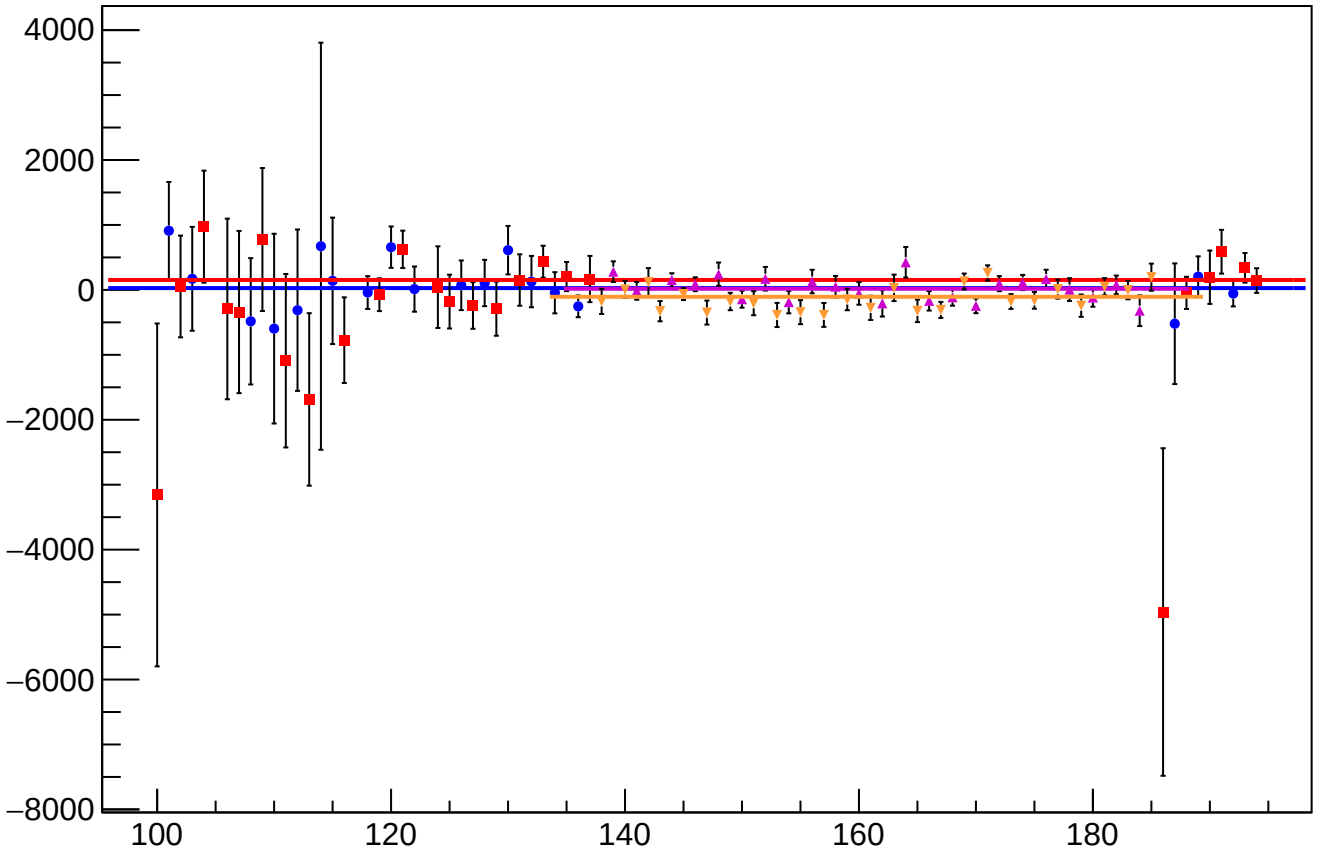
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 55.496+/-0.009 χ^2/NDF: 3090851.1/43

In: 41.152+/-0.006 χ^2/NDF:2865434.9/41

Out: 41.539+/-0.006 χ^2/NDF:4109820.4/49

All: 41.353+/-0.004 χ^2/NDF: 6977621.1/91



Right In: 27.825+/-81.323 χ^2/NDF: 12.3/18

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 153.023+/-73.120 χ^2/NDF: 22.8/24

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

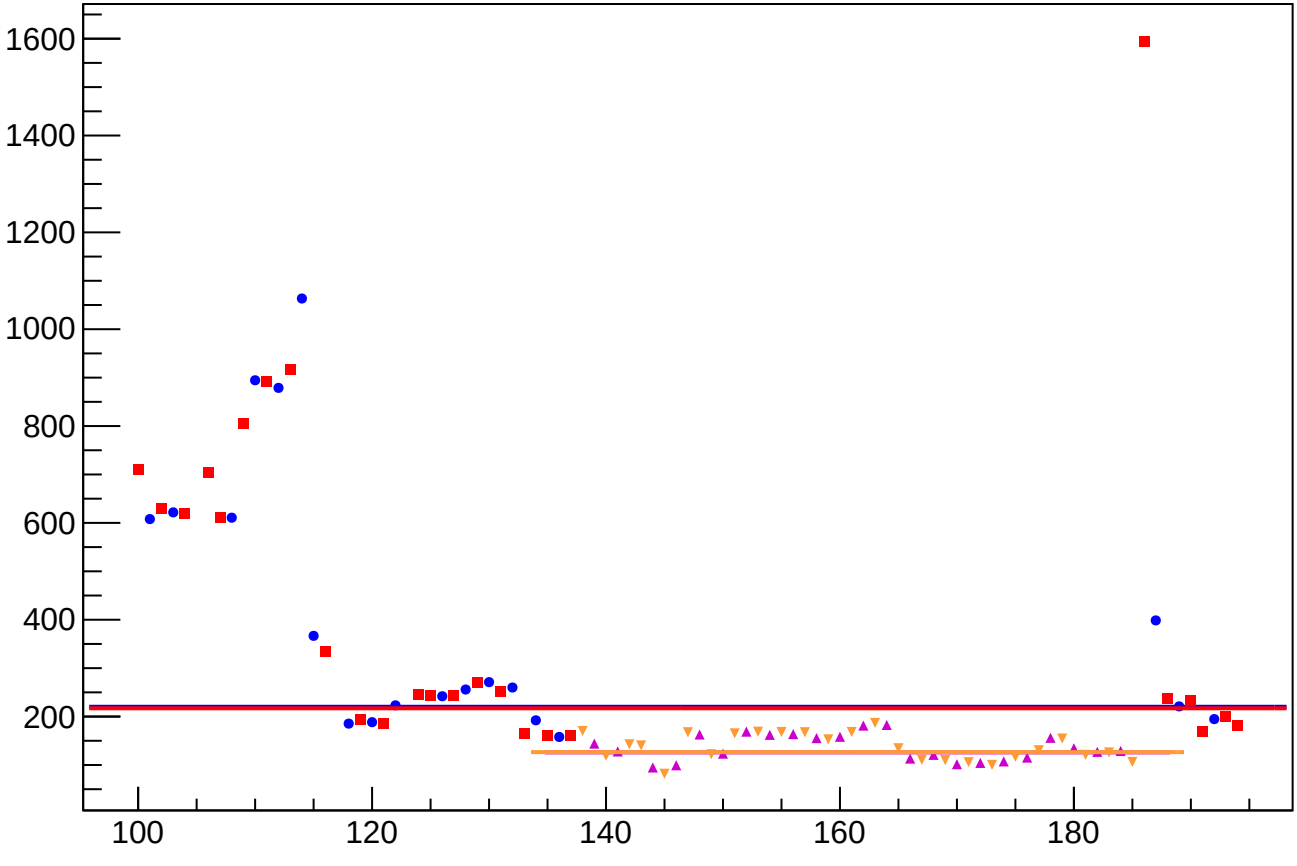
Right: 97.055+/-54.373 χ^2/NDF: 36.4/43

In: 18.765+/-28.299 χ^2/NDF:40.5/41

Out: -70.041+/-27.408 χ^2/NDF:71.3/49

All: -27.058+/-19.688 χ^2/NDF: 116.9/91

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 220.233+/-0.058 χ^2/NDF: 3078230.6/18

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 217.099+/-0.052 χ^2/NDF: 4323703.2/24

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

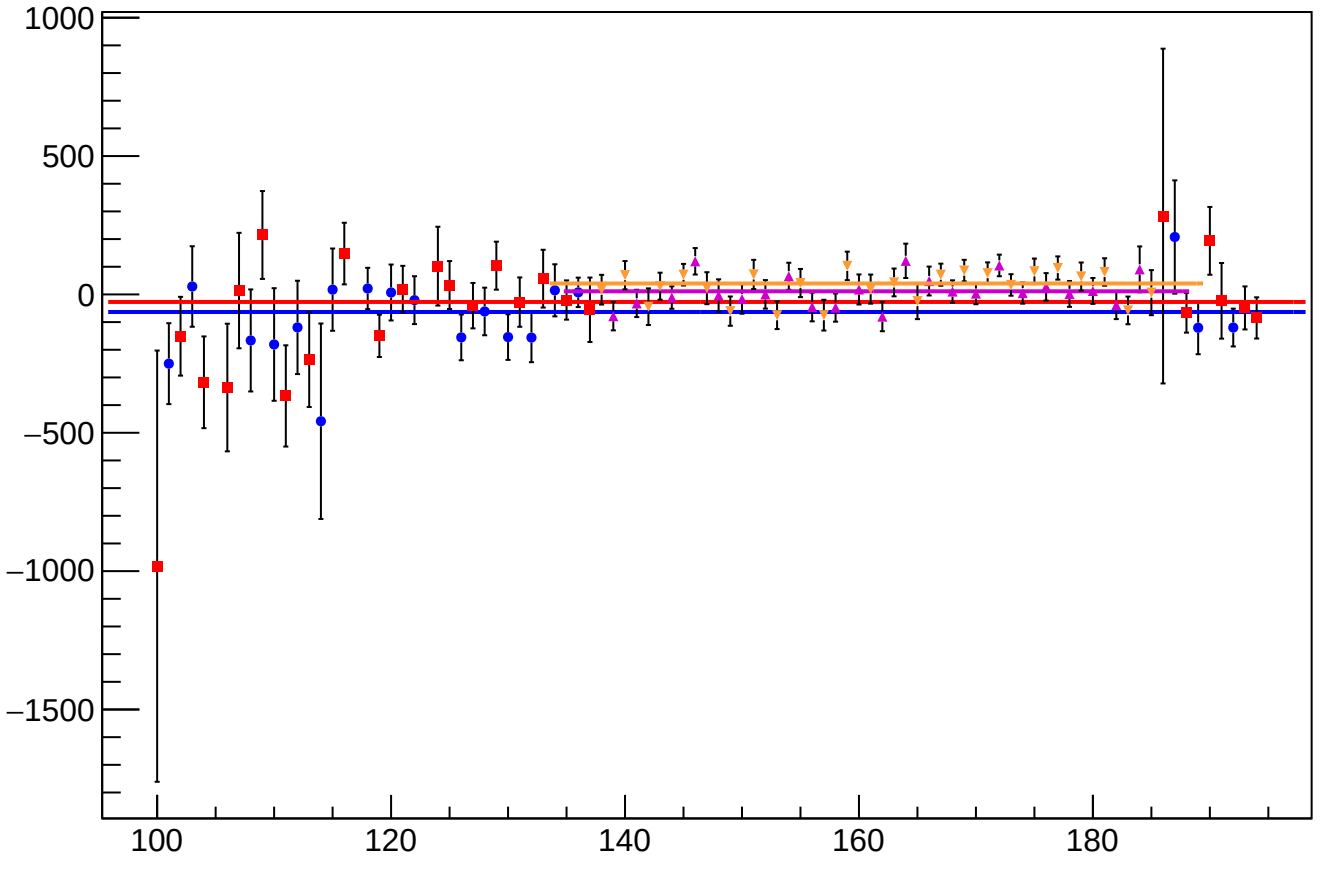
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 218.500+/-0.038 χ^2/NDF: 7403576.2/43

In: 137.422+/-0.020 χ^2/NDF:6848471.7/41

Out: 139.282+/-0.019 χ^2/NDF:8717397.7/49

All: 138.382+/-0.014 χ^2/NDF: 15570323.7/91



Right In: -63.493+/-22.277 χ^2/NDF: 15.1/18

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: -27.178+/-21.115 χ^2/NDF: 28.6/24

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

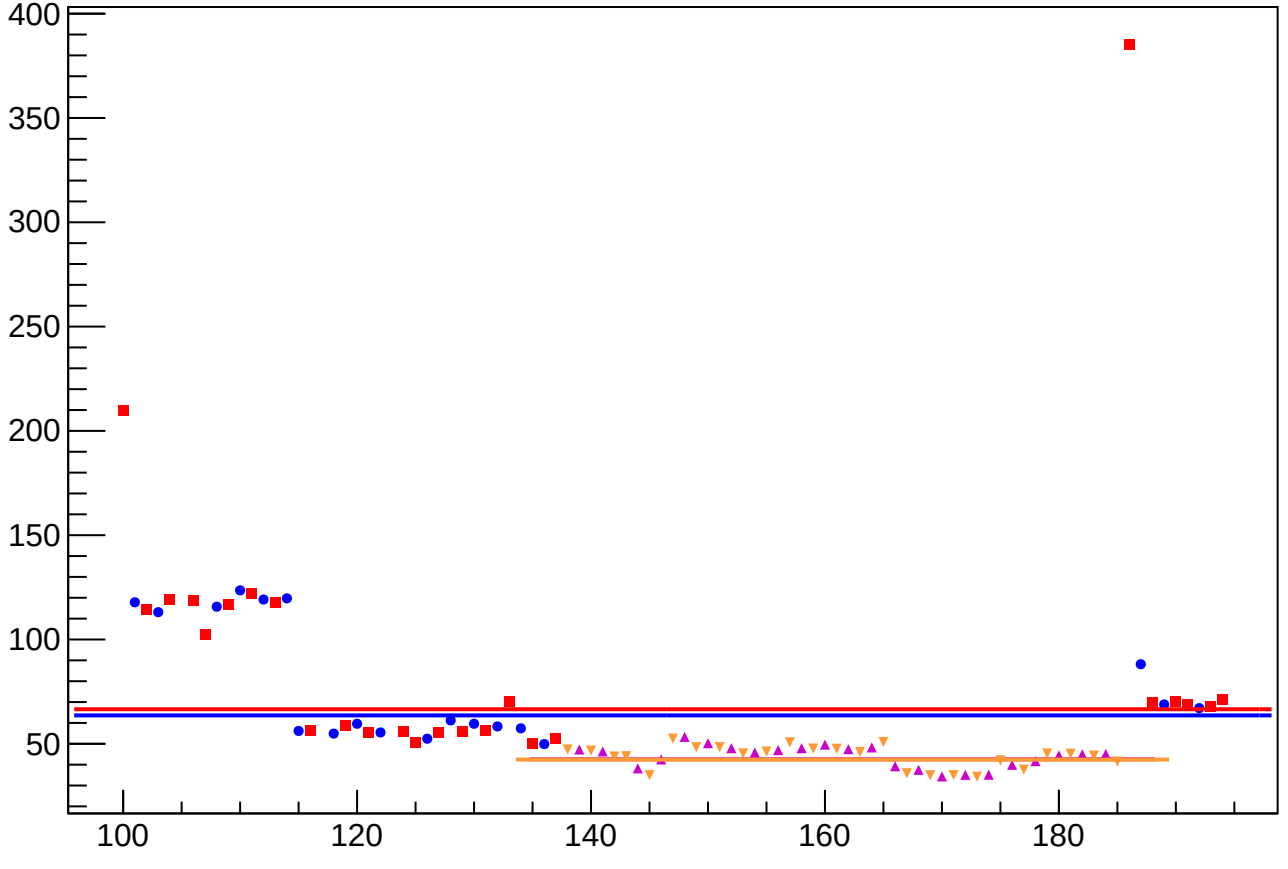
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -44.364+/-15.325 χ^2/NDF: 45.1/43

In: -1.400+/-9.181 χ^2/NDF:52.4/41

Out: 27.843+/-8.848 χ^2/NDF:66.4/49

All: 13.762+/-6.371 χ^2/NDF: 124.1/91



Right In: 63.616+/-0.016 χ^2/NDF: 1392492.5/18

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 66.566+/-0.015 χ^2/NDF: 2172104.4/24

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

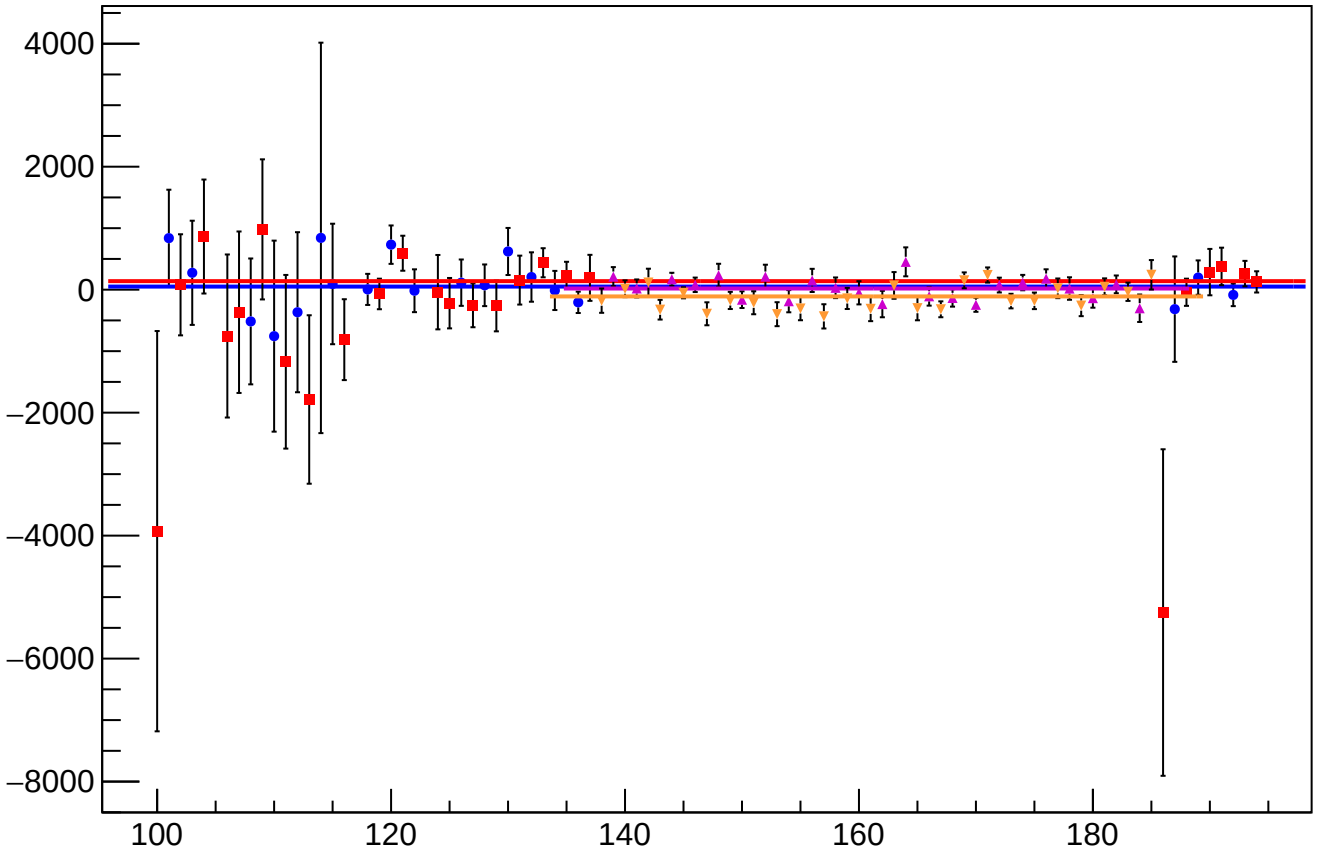
Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

Right: 65.170+/-0.011 χ^2/NDF: 3583068.6/43

In: 46.152+/-0.006 χ^2/NDF:3462986.8/41

Out: 46.665+/-0.006 χ^2/NDF:5025882.3/49

All: 46.418+/-0.005 χ^2/NDF: 8492103.8/91



Right In: 50.277+/-80.011 χ^2/NDF: 12.3/18

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 138.587+/-69.534 χ^2/NDF: 22.3/24

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

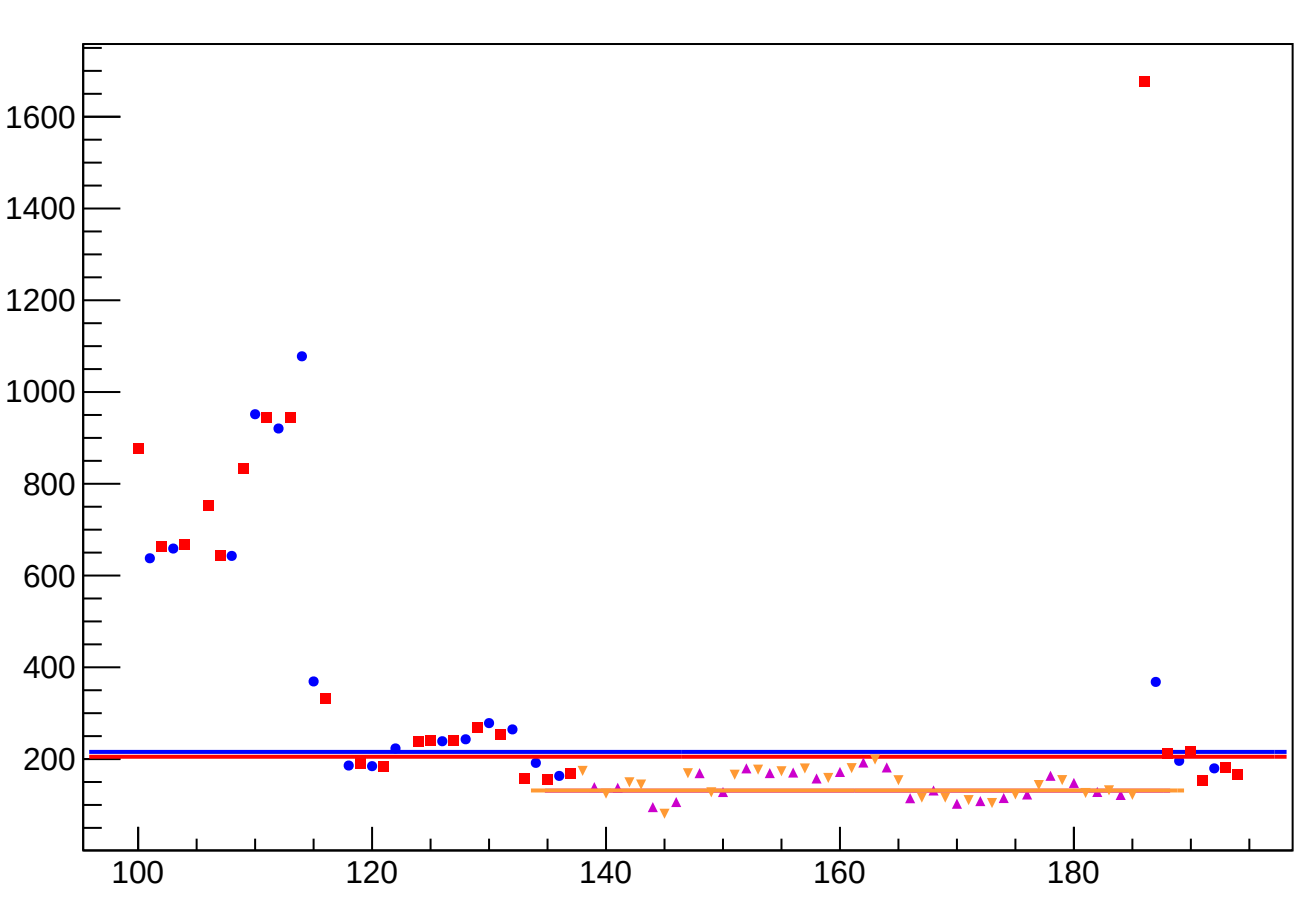
Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

Right: 100.589+/-52.484 χ^2/NDF: 35.2/43

In: 23.051+/-29.291 χ^2/NDF:39.6/41

Out: -69.208+/-28.129 χ^2/NDF:69.2/49

All: -24.945+/-20.289 χ^2/NDF: 114.0/91



Right In: 215.616+/-0.057 χ^2/NDF: 3198822.7/18

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 205.043+/-0.049 χ^2/NDF: 4719793.0/24

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

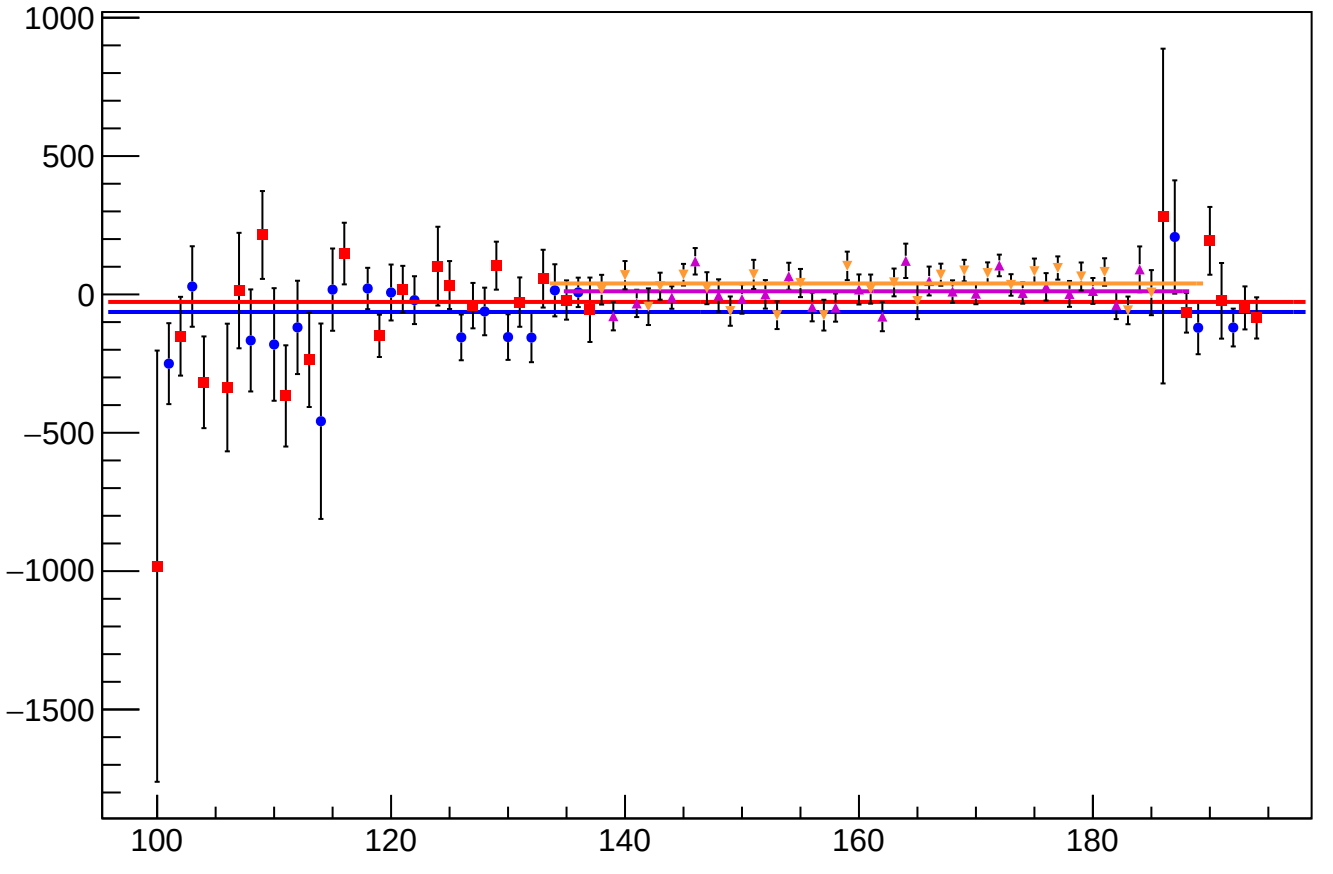
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

Right: 209.592+/-0.037 χ^2/NDF: 7938512.1/43

In: 142.405+/-0.021 χ^2/NDF:6600306.5/41

Out: 143.548+/-0.020 χ^2/NDF:8493122.6/49

All: 143.000+/-0.014 χ^2/NDF: 15095015.4/91



Right In: -63.494+/-22.277 χ^2/NDF: 15.1/18

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: -27.179+/-21.115 χ^2/NDF: 28.6/24

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

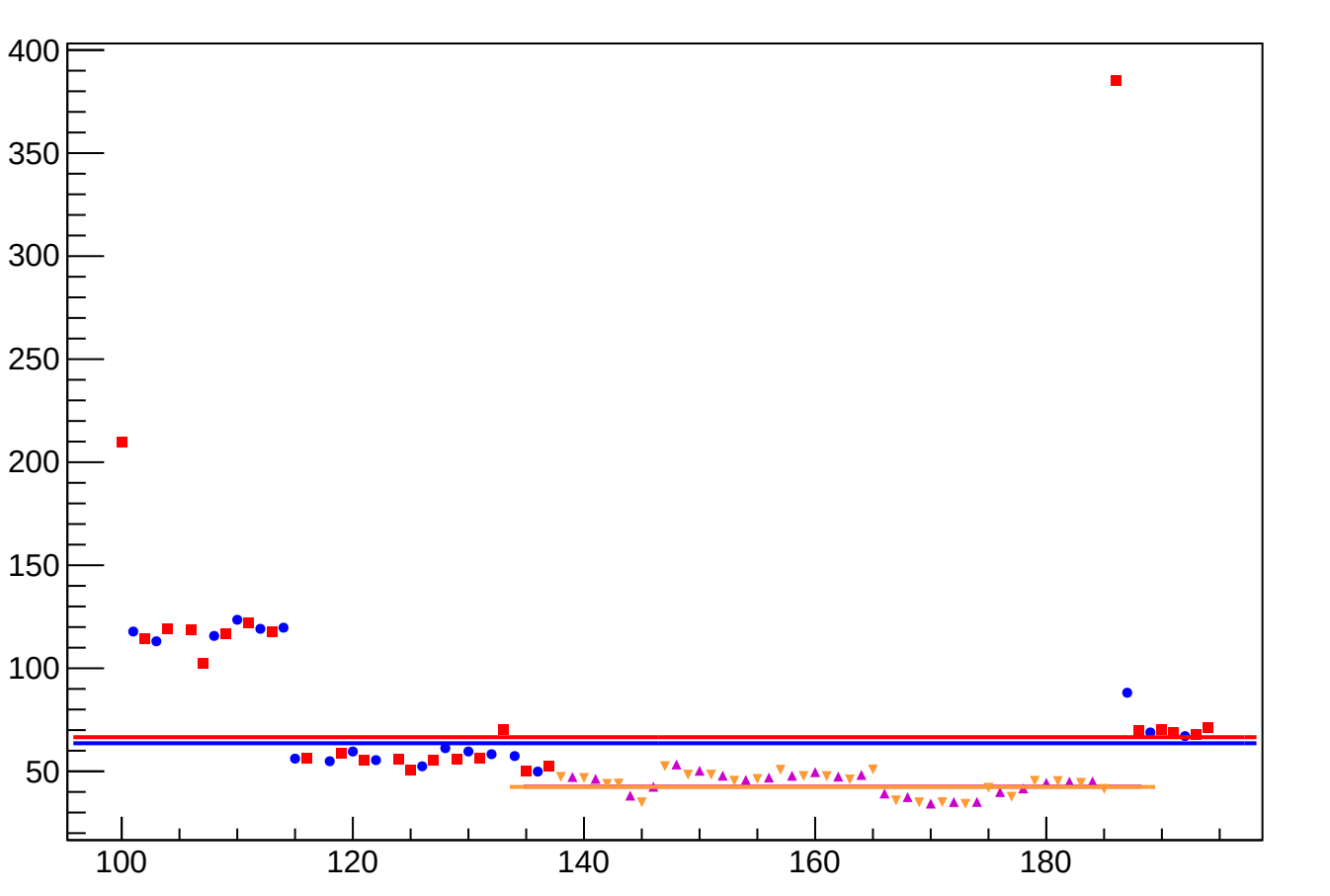
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -44.365+/-15.325 χ^2/NDF: 45.1/43

In: -1.400+/-9.181 χ^2/NDF:52.4/41

Out: 27.844+/-8.848 χ^2/NDF:66.4/49

All: 13.762+/-6.371 χ^2/NDF: 124.1/91



Right In: 63.616+/-0.016 χ^2/NDF: 1392482.7/18

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

Right Out: 66.566+/-0.015 χ^2/NDF: 2172097.4/24

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

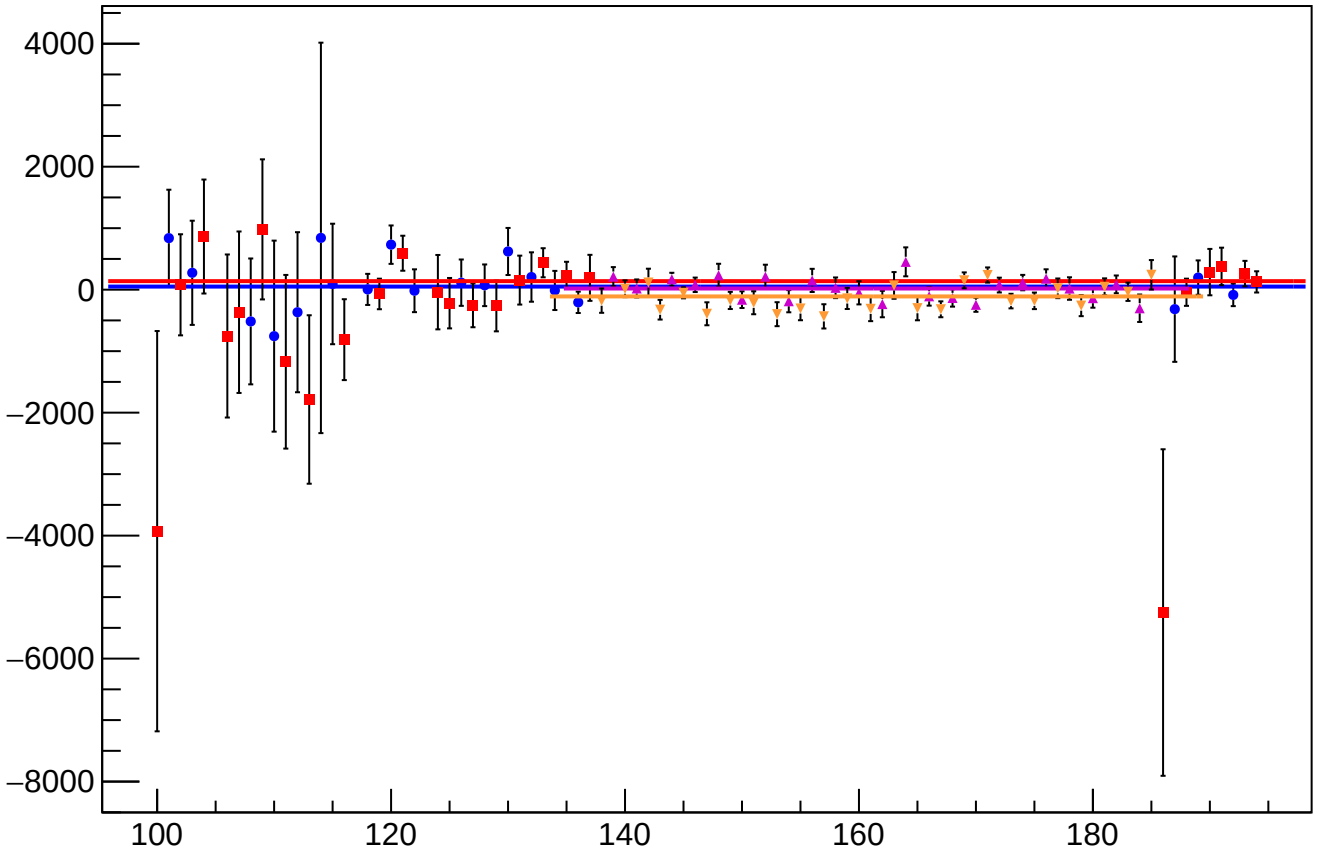
Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

Right: 65.170+/-0.011 χ^2/NDF: 3583056.0/43

In: 46.152+/-0.006 χ^2/NDF:3462937.4/41

Out: 46.665+/-0.006 χ^2/NDF:5025895.2/49

All: 46.418+/-0.005 χ^2/NDF: 8492066.6/91



Right In: 50.278+/-80.011 χ^2/NDF: 12.3/18

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 138.585+/-69.534 χ^2/NDF: 22.3/24

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

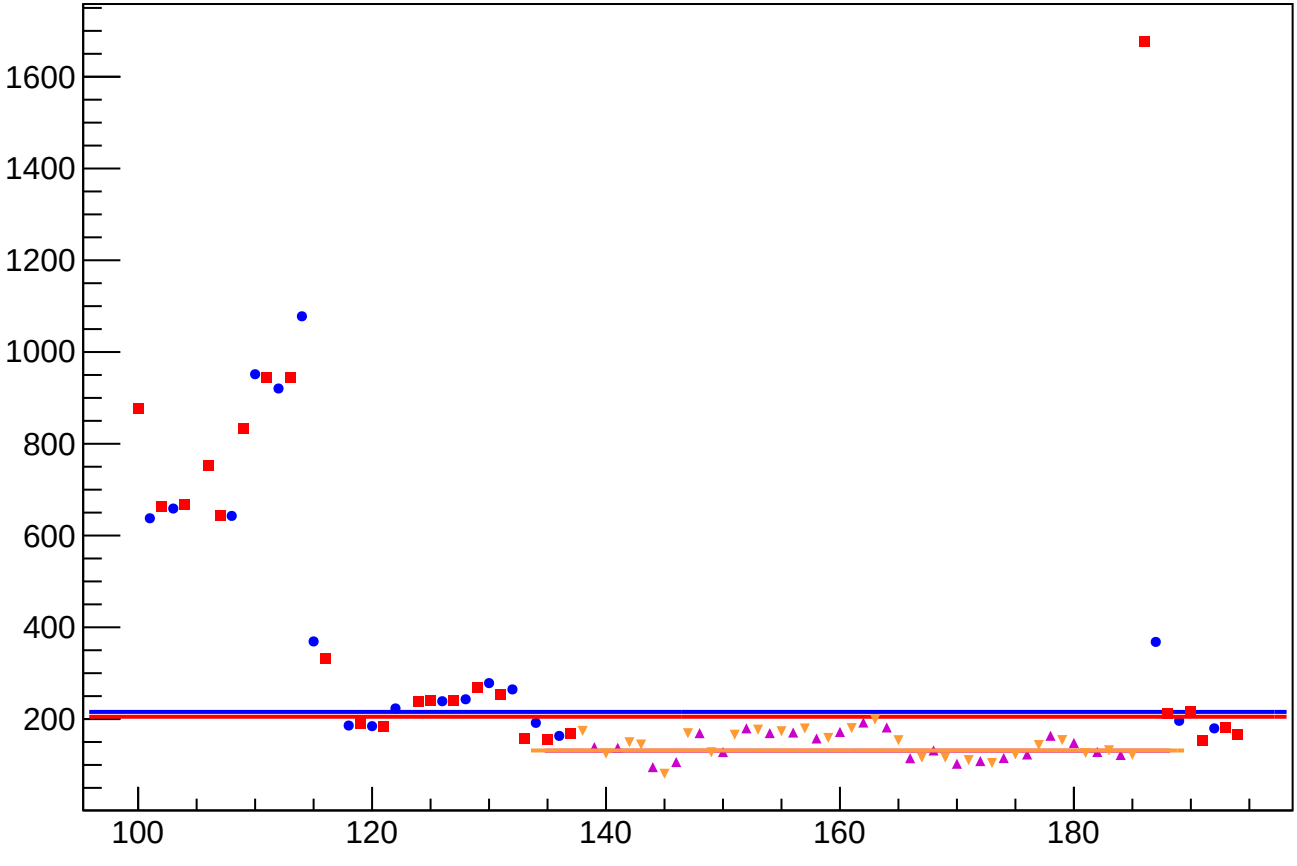
Right: 100.588+/-52.484 χ^2/NDF: 35.2/43

In: 23.052+/-29.291 χ^2/NDF:39.6/41

Out: -69.208+/-28.129 χ^2/NDF:69.2/49

All: -24.945+/-20.289 χ^2/NDF: 114.0/91

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 215.616+/-0.057 χ^2/NDF: 3198812.2/18

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 205.043+/-0.049 χ^2/NDF: 4719789.7/24

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

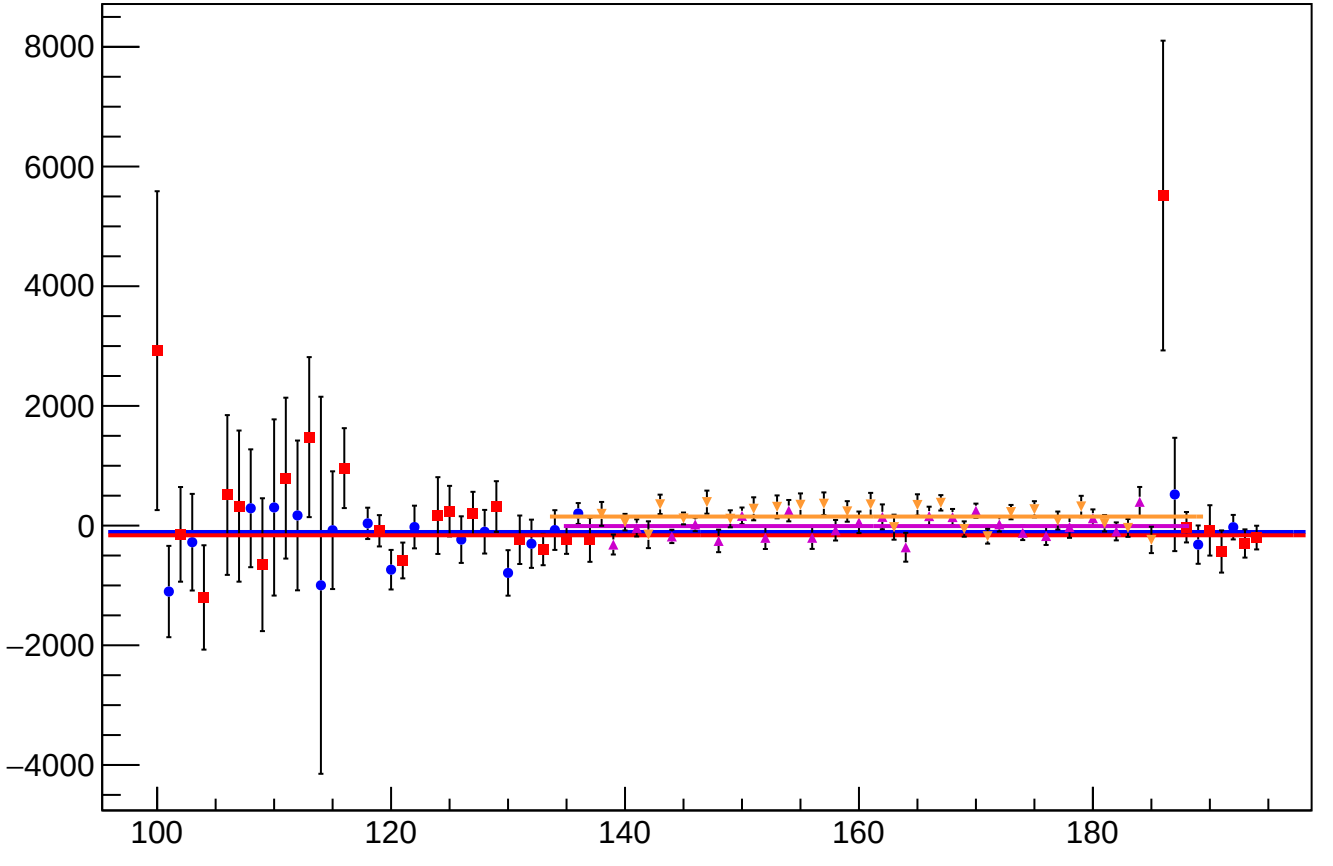
Right: 209.592+/-0.037 χ^2/NDF: 7938498.6/43

In: 142.405+/-0.021 χ^2/NDF:6600284.0/41

Out: 143.548+/-0.020 χ^2/NDF:8493088.3/49

All: 143.000+/-0.014 χ^2/NDF: 15094958.7/91

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -106.733+/-83.928 χ^2/NDF: 13.9/18

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: -161.844+/-75.715 χ^2/NDF: 20.8/24

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

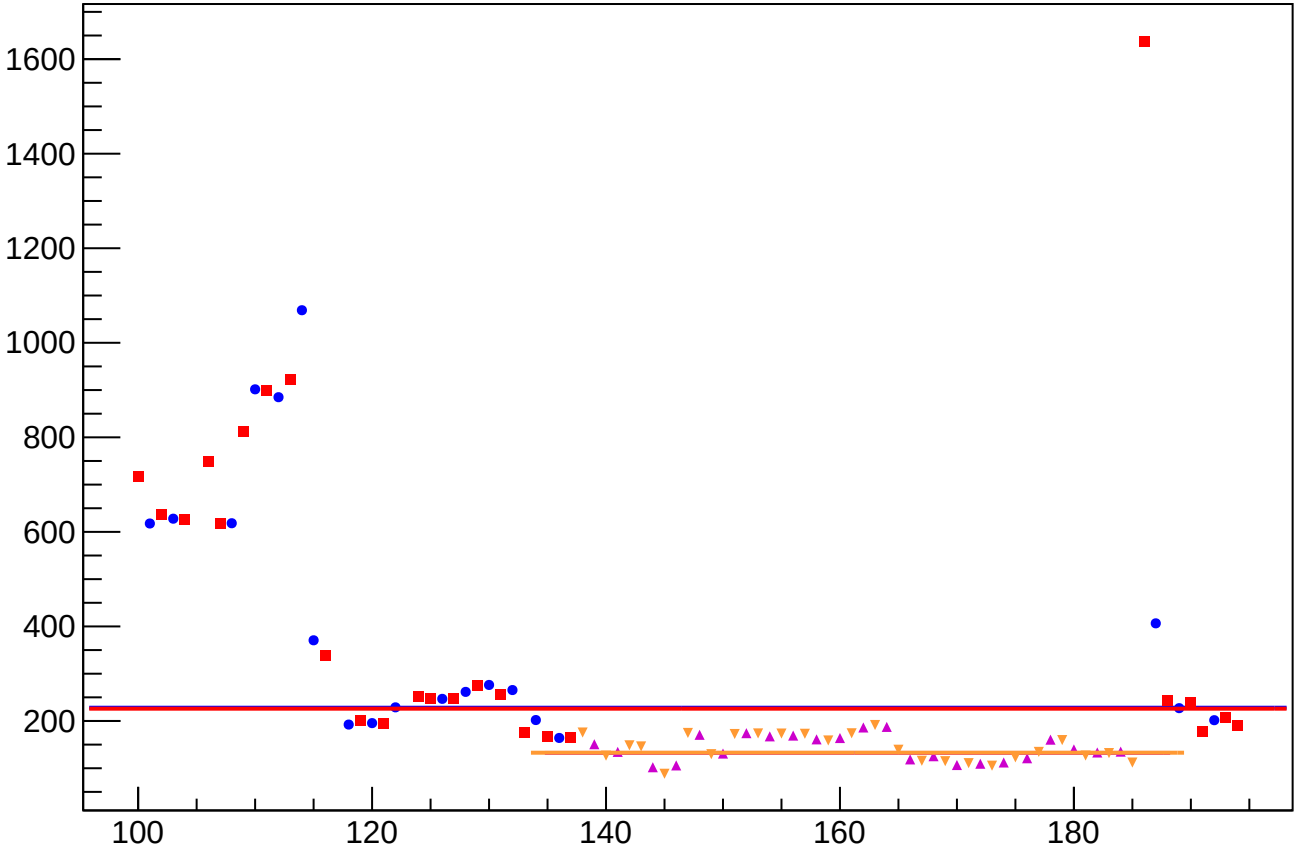
Right: -137.116+/-56.218 χ^2/NDF: 34.9/43

In: -20.222+/-29.591 χ^2/NDF:44.5/41

Out: 106.298+/-28.650 χ^2/NDF:68.5/49

All: 45.081+/-20.583 χ^2/NDF: 122.5/91

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 228.027+/-0.059 χ^2/NDF: 2993277.4/18

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

Right Out: 226.027+/-0.054 χ^2/NDF: 4266020.6/24

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

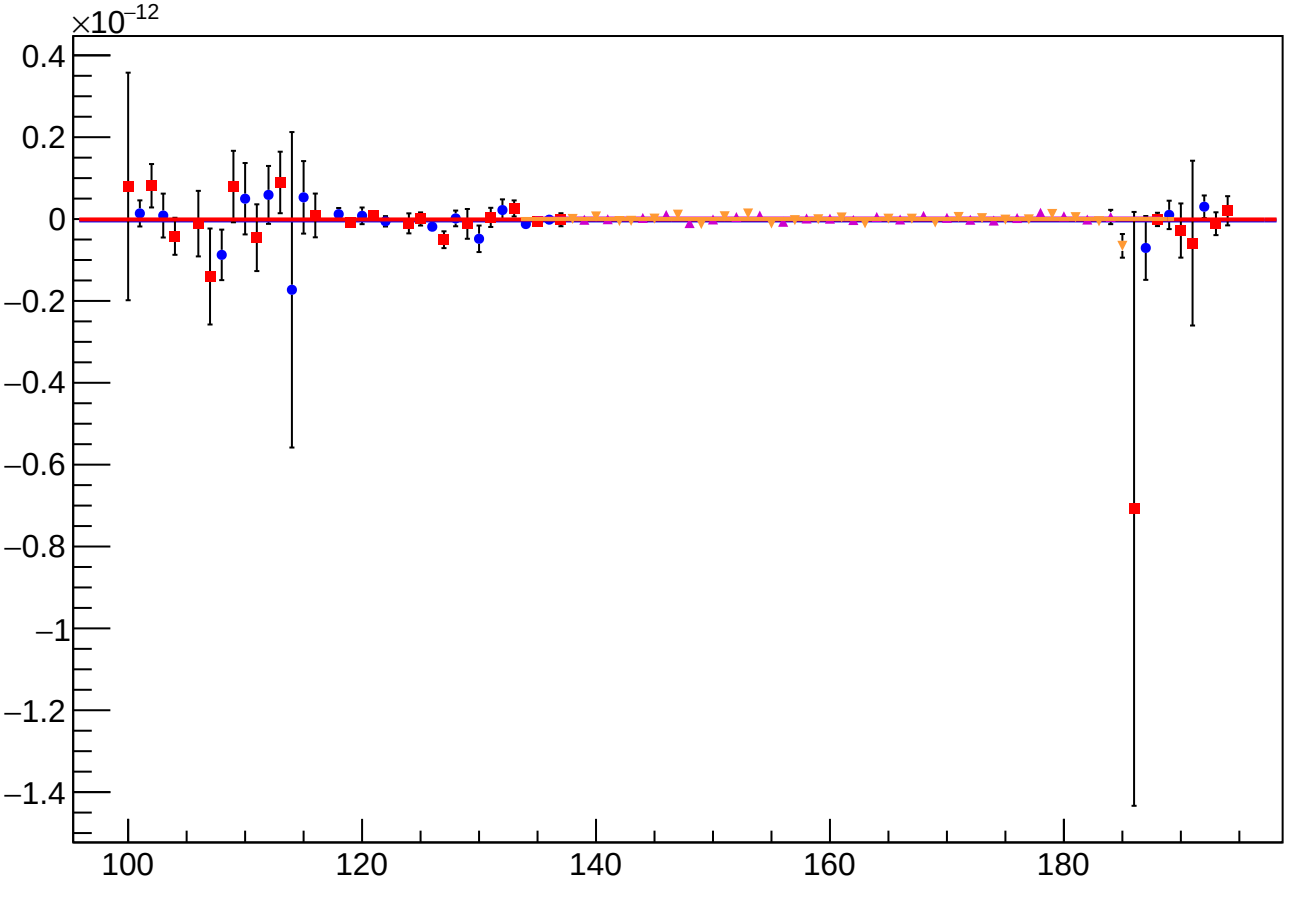
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 226.924+/-0.040 χ^2/NDF: 7259923.7/43

In: 144.236+/-0.021 χ^2/NDF:6547482.2/41

Out: 146.214+/-0.020 χ^2/NDF:8452140.3/49

All: 145.257+/-0.015 χ^2/NDF: 15004232.9/91



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.8/24

Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

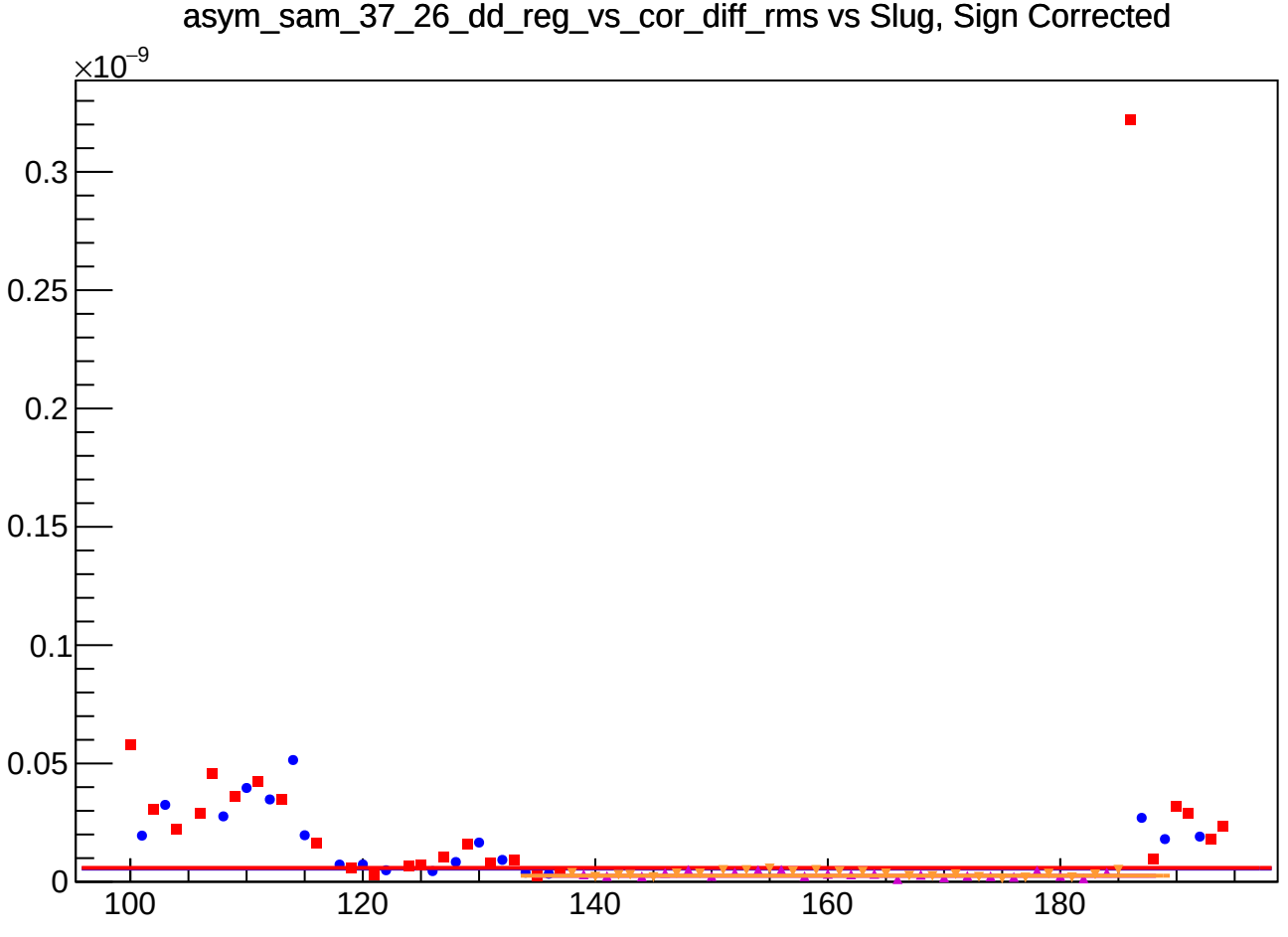
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 33.8/43

In: 0.000+/-0.000 χ^2/NDF:30.3/41

Out: 0.000+/-0.000 χ^2/NDF:52.1/49

All: 0.000+/-0.000 χ^2/NDF: 82.7/91



Right In: 0.000+/-0.000 χ^2/NDF: 3536549.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4990499.9/24

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

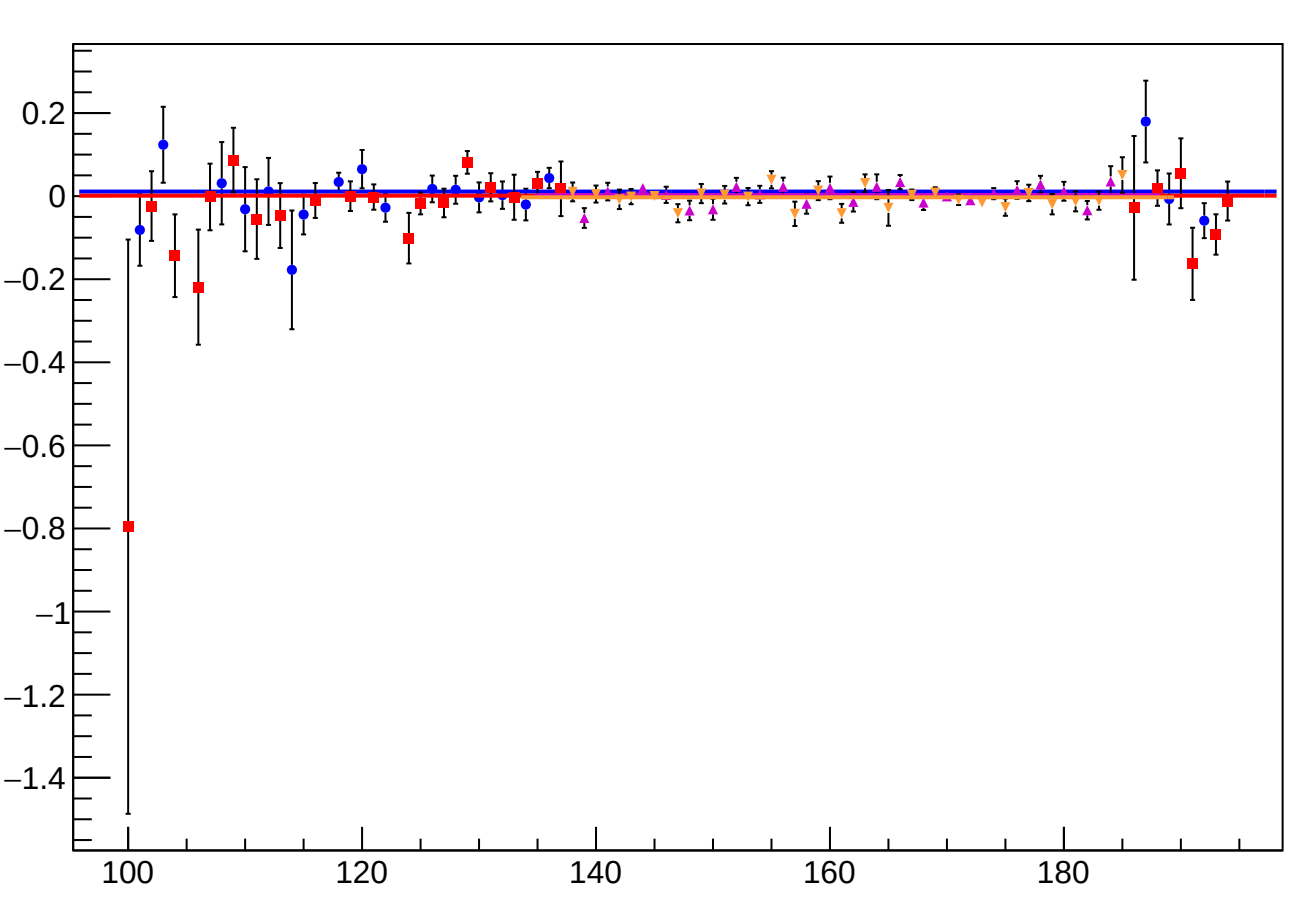
Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

Right: 0.000+/-0.000 χ^2/NDF: 8533306.9/43

In: 0.000+/-0.000 χ^2/NDF:6387658.2/41

Out: 0.000+/-0.000 χ^2/NDF:8585642.8/49

All: 0.000+/-0.000 χ^2/NDF: 14974555.1/91



Right In: 0.011+/-0.009 χ^2/NDF: 18.2/18

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.001+/-0.009 χ^2/NDF: 29.7/24

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

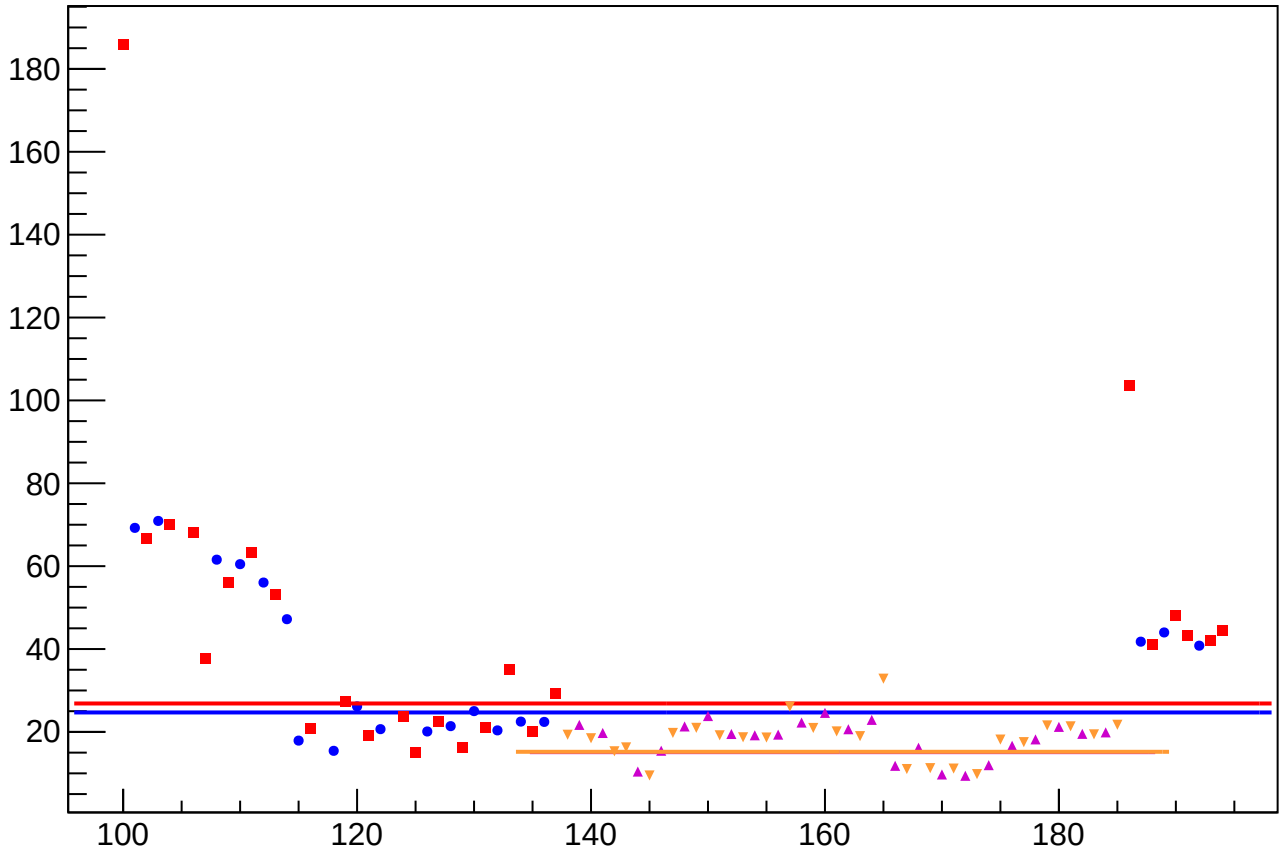
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.006+/-0.007 χ^2/NDF: 48.4/43

In: 0.004+/-0.004 χ^2/NDF:45.8/41

Out: -0.002+/-0.003 χ^2/NDF:52.5/49

All: 0.001+/-0.002 χ^2/NDF: 99.7/91



Right In: 24.695+/-0.007 χ^2/NDF: 3007709.1/18

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 26.861+/-0.007 χ^2/NDF: 4370814.6/24

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

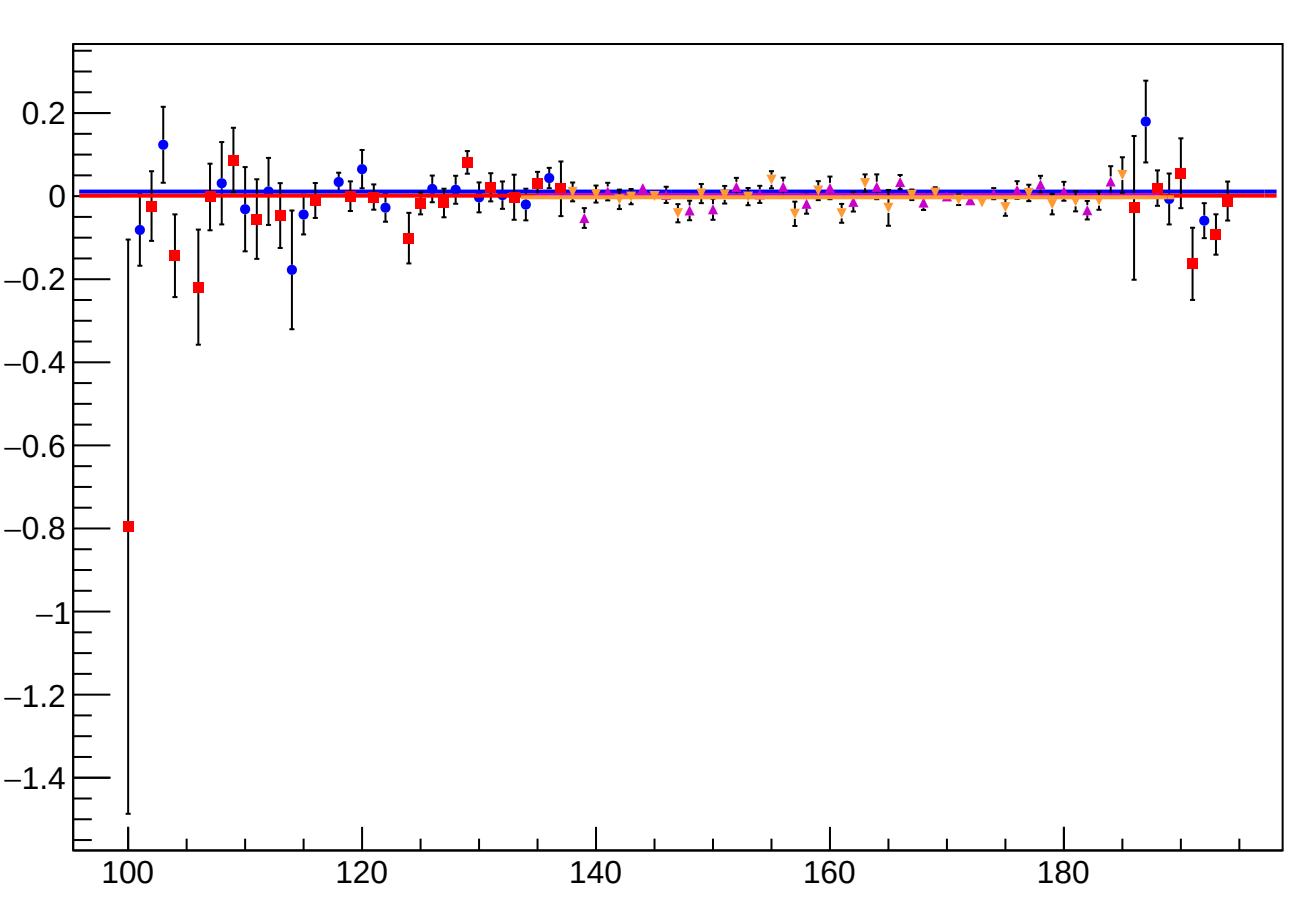
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 25.795+/-0.005 χ^2/NDF: 7432112.2/43

In: 16.470+/-0.003 χ^2/NDF:8182424.5/41

Out: 16.803+/-0.002 χ^2/NDF:10533712.1/49

All: 16.642+/-0.002 χ^2/NDF: 18725230.8/91



Right In: 0.011+/-0.009 χ^2/NDF: 18.2/18

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.001+/-0.009 χ^2/NDF: 29.7/24

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

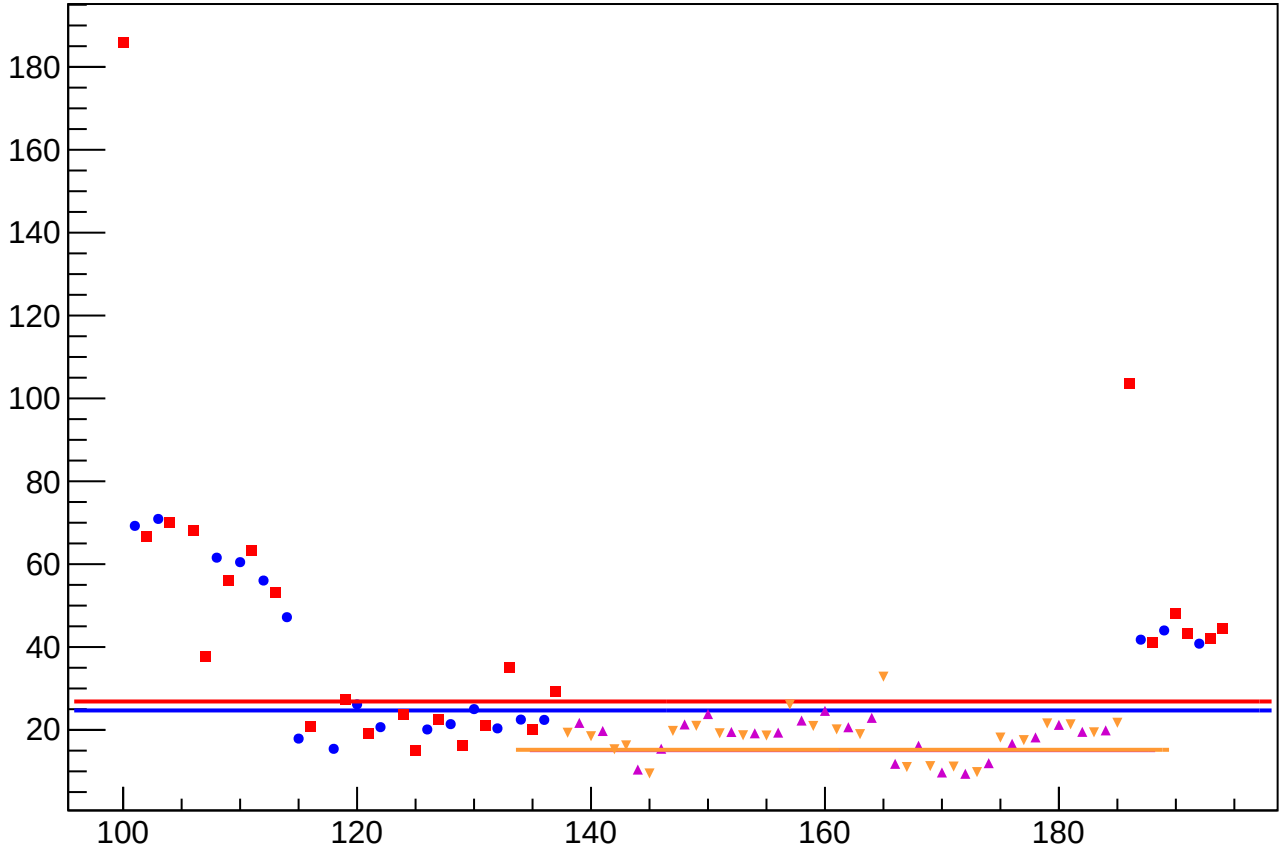
Right: 0.006+/-0.007 χ^2/NDF: 48.4/43

In: 0.004+/-0.004 χ^2/NDF:45.8/41

Out: -0.002+/-0.003 χ^2/NDF:52.5/49

All: 0.001+/-0.002 χ^2/NDF: 99.7/91

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.695+/-0.007 χ^2/NDF: 3007709.1/18

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 26.861+/-0.007 χ^2/NDF: 4370814.6/24

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

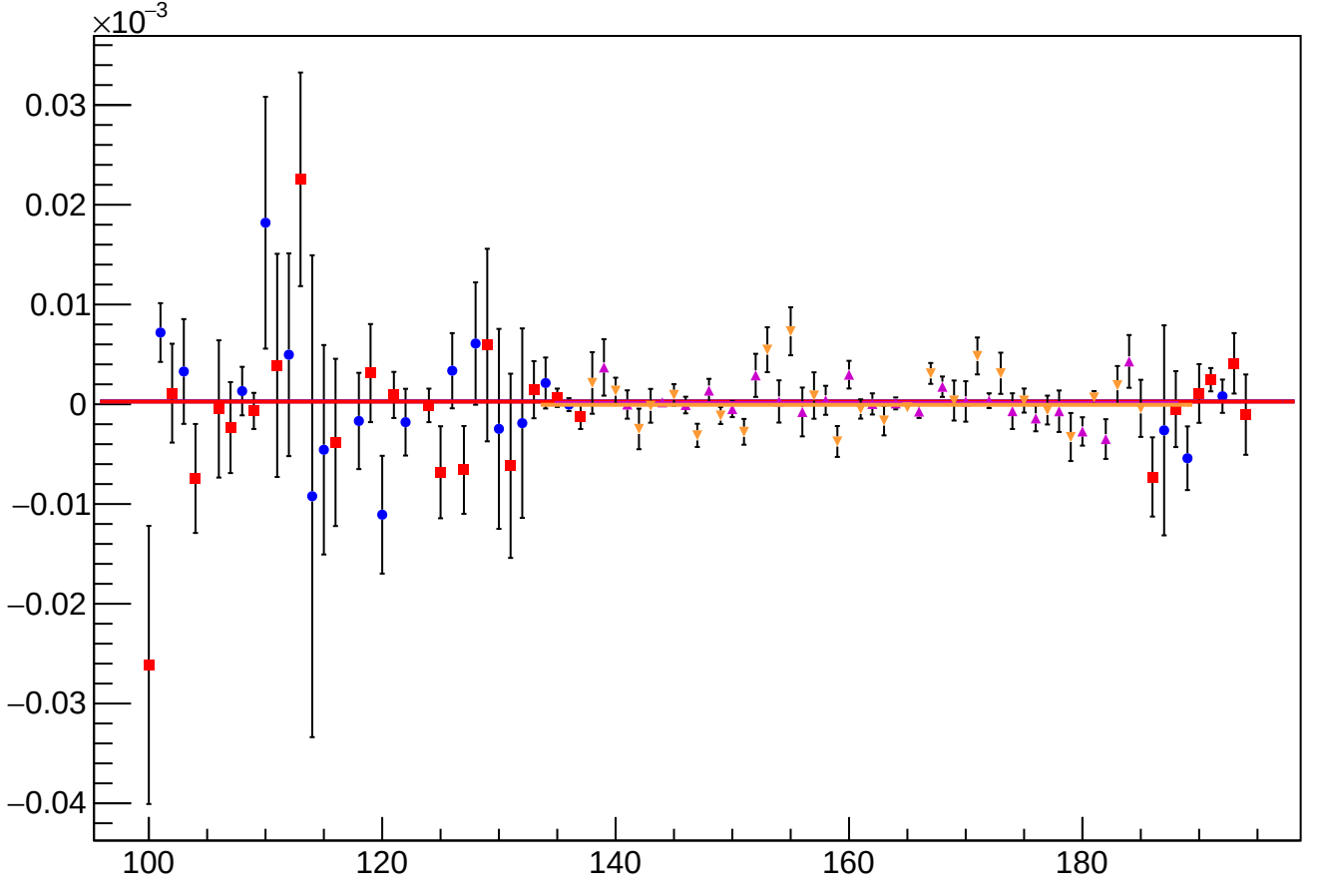
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 25.795+/-0.005 χ^2/NDF: 7432112.2/43

In: 16.470+/-0.003 χ^2/NDF:8182424.5/41

Out: 16.803+/-0.002 χ^2/NDF:10533712.1/49

All: 16.642+/-0.002 χ^2/NDF: 18725230.8/91



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.6/24

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

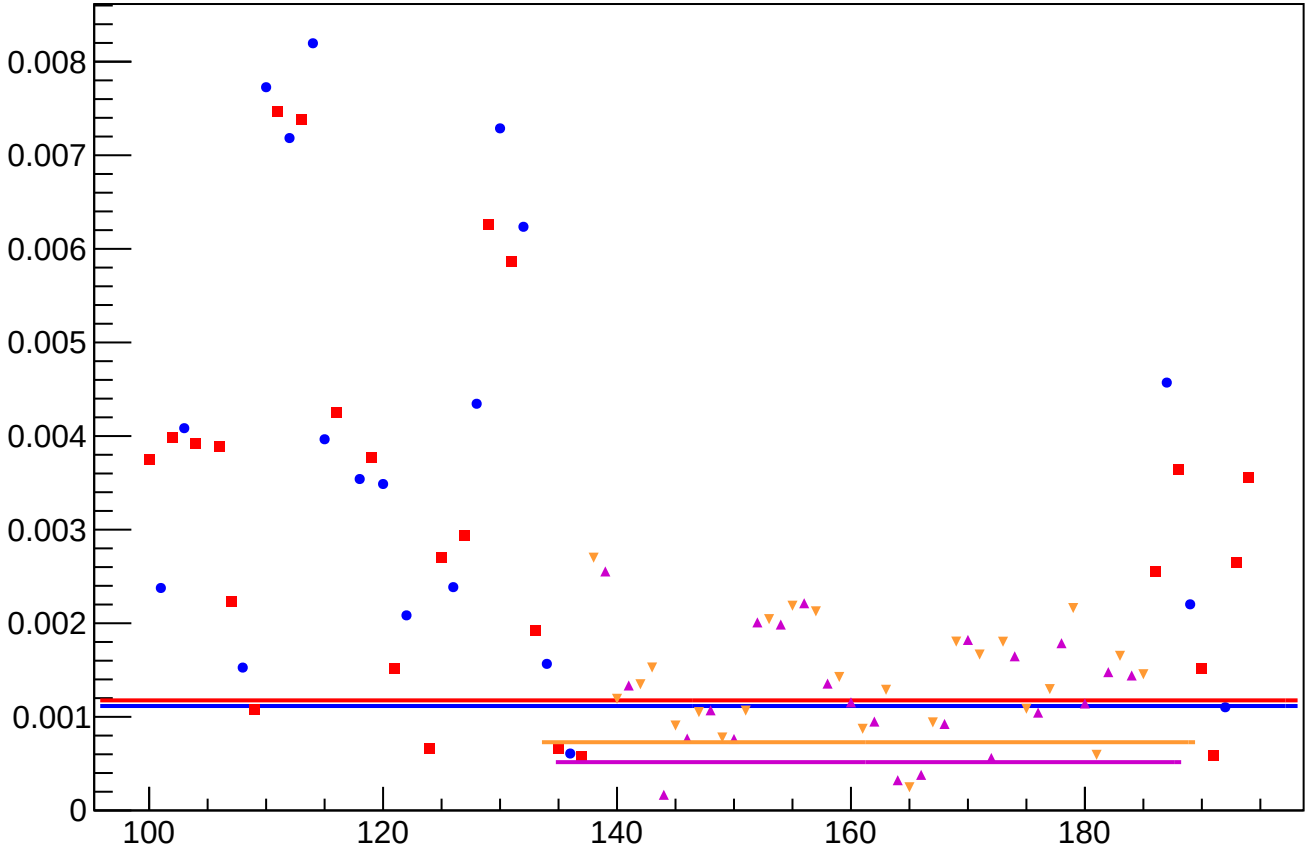
Right: 0.000+/-0.000 χ^2/NDF: 46.3/43

In: 0.000+/-0.000 χ^2/NDF:44.2/41

Out: -0.000+/-0.000 χ^2/NDF:90.8/49

All: 0.000+/-0.000 χ^2/NDF: 135.3/91

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7503966.4/18

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9599887.6/24

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

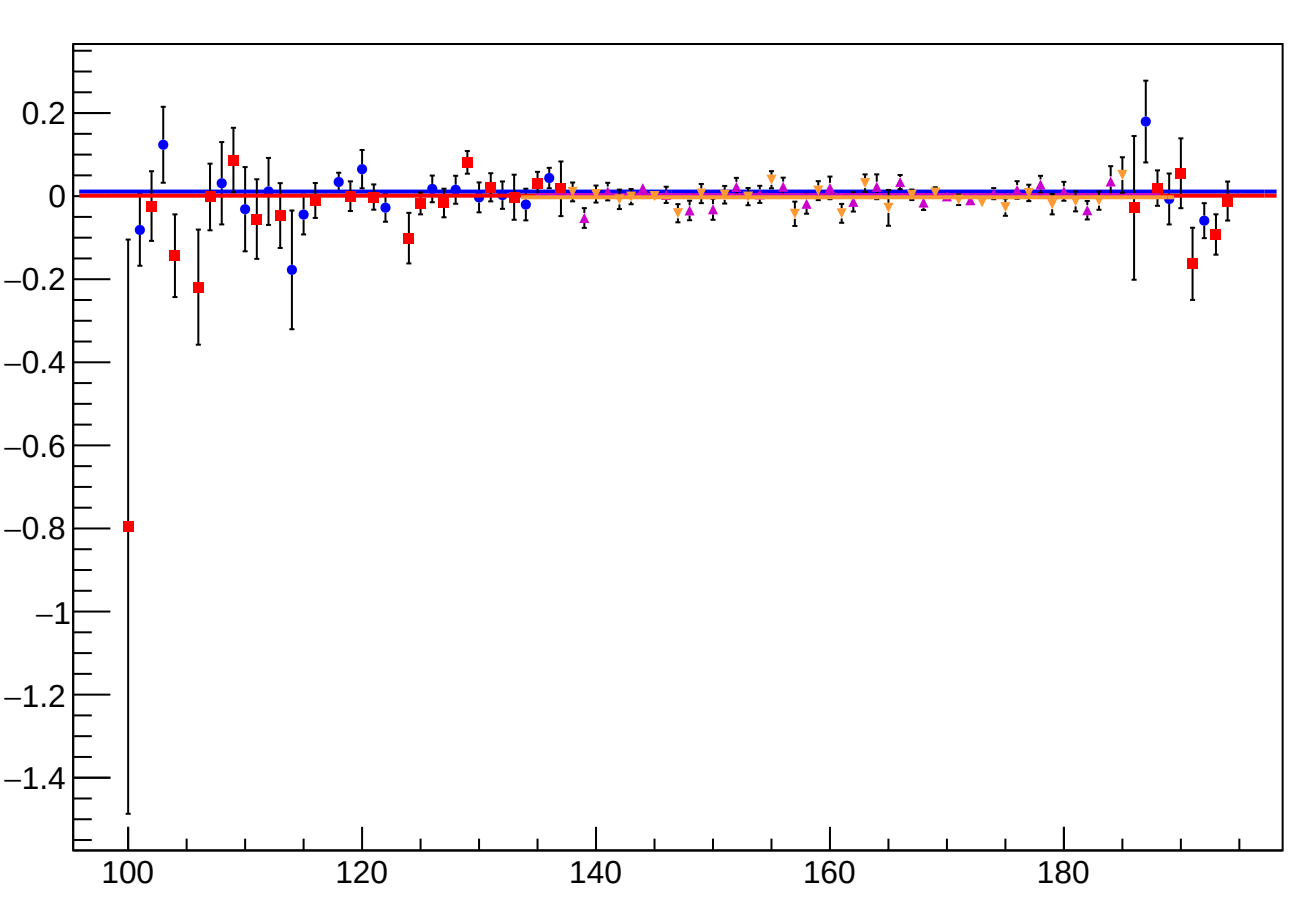
Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

Right: 0.001+/-0.000 χ^2/NDF: 17118175.8/43

In: 0.001+/-0.000 χ^2/NDF:24885963.8/41

Out: 0.001+/-0.000 χ^2/NDF:24154945.5/49

All: 0.001+/-0.000 χ^2/NDF: 50579557.8/91



Right In: 0.011+/-0.009 χ^2/NDF: 18.2/18

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.001+/-0.009 χ^2/NDF: 29.7/24

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

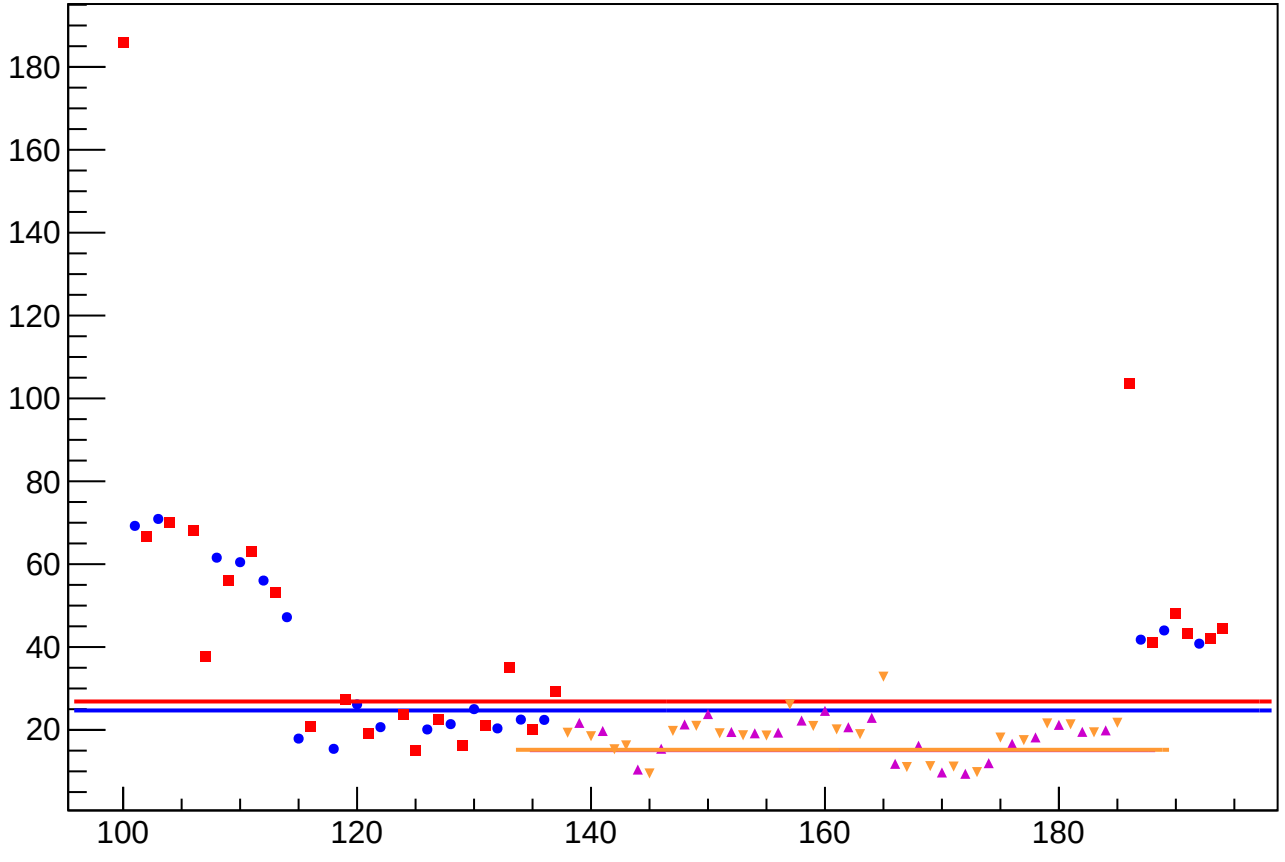
Right: 0.006+/-0.007 χ^2/NDF: 48.4/43

In: 0.004+/-0.004 χ^2/NDF:45.8/41

Out: -0.002+/-0.003 χ^2/NDF:52.5/49

All: 0.001+/-0.002 χ^2/NDF: 99.7/91

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.694+/-0.007 χ^2/NDF: 3007846.7/18

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 26.861+/-0.007 χ^2/NDF: 4370944.0/24

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

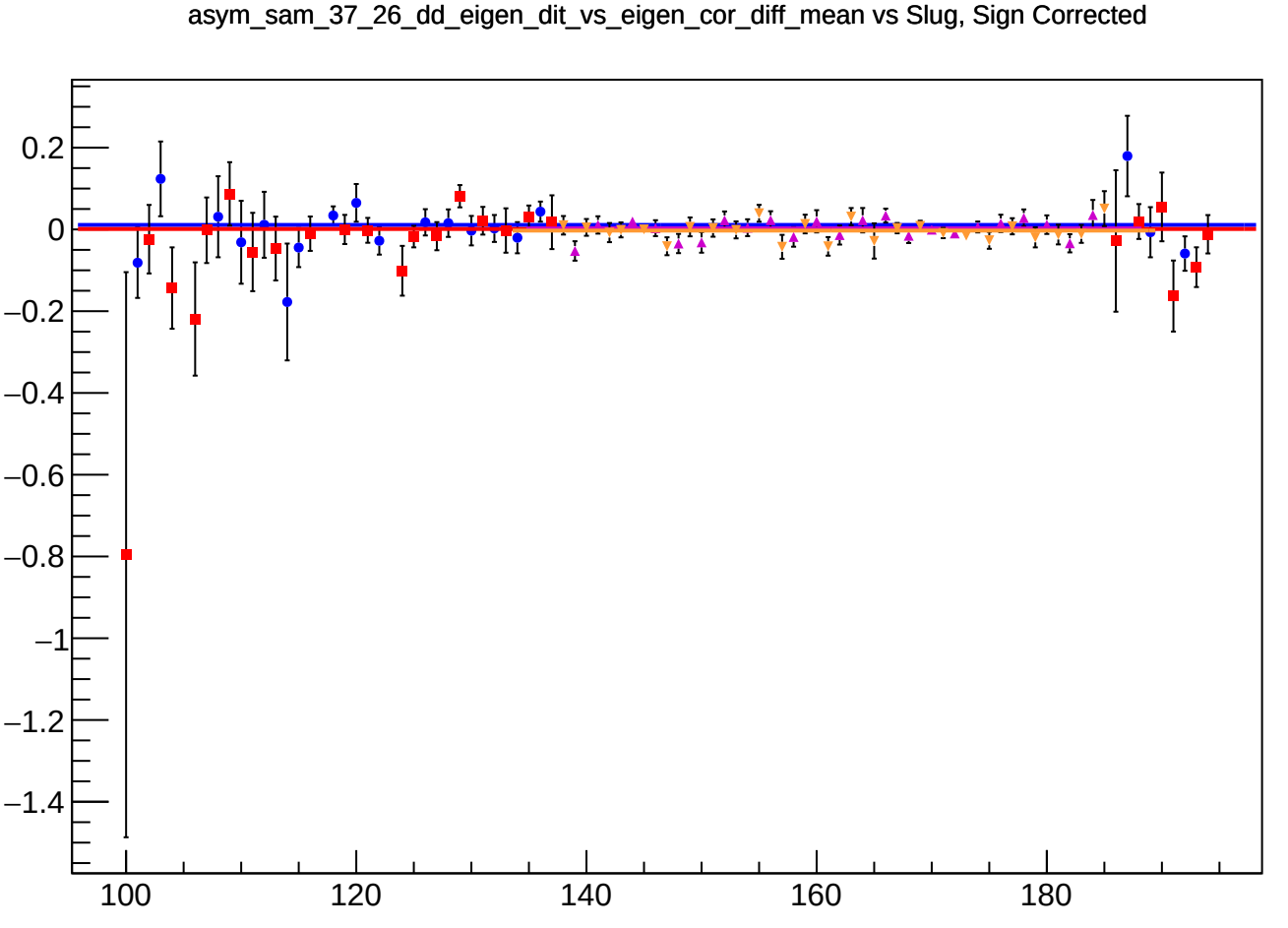
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

Right: 25.794+/-0.005 χ^2/NDF: 7432420.1/43

In: 16.470+/-0.003 χ^2/NDF:8182202.0/41

Out: 16.803+/-0.002 χ^2/NDF:10533724.5/49

All: 16.642+/-0.002 χ^2/NDF: 18725021.0/91



Right In: 0.011+/-0.009 χ^2/NDF: 18.2/18

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.001+/-0.009 χ^2/NDF: 29.7/24

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

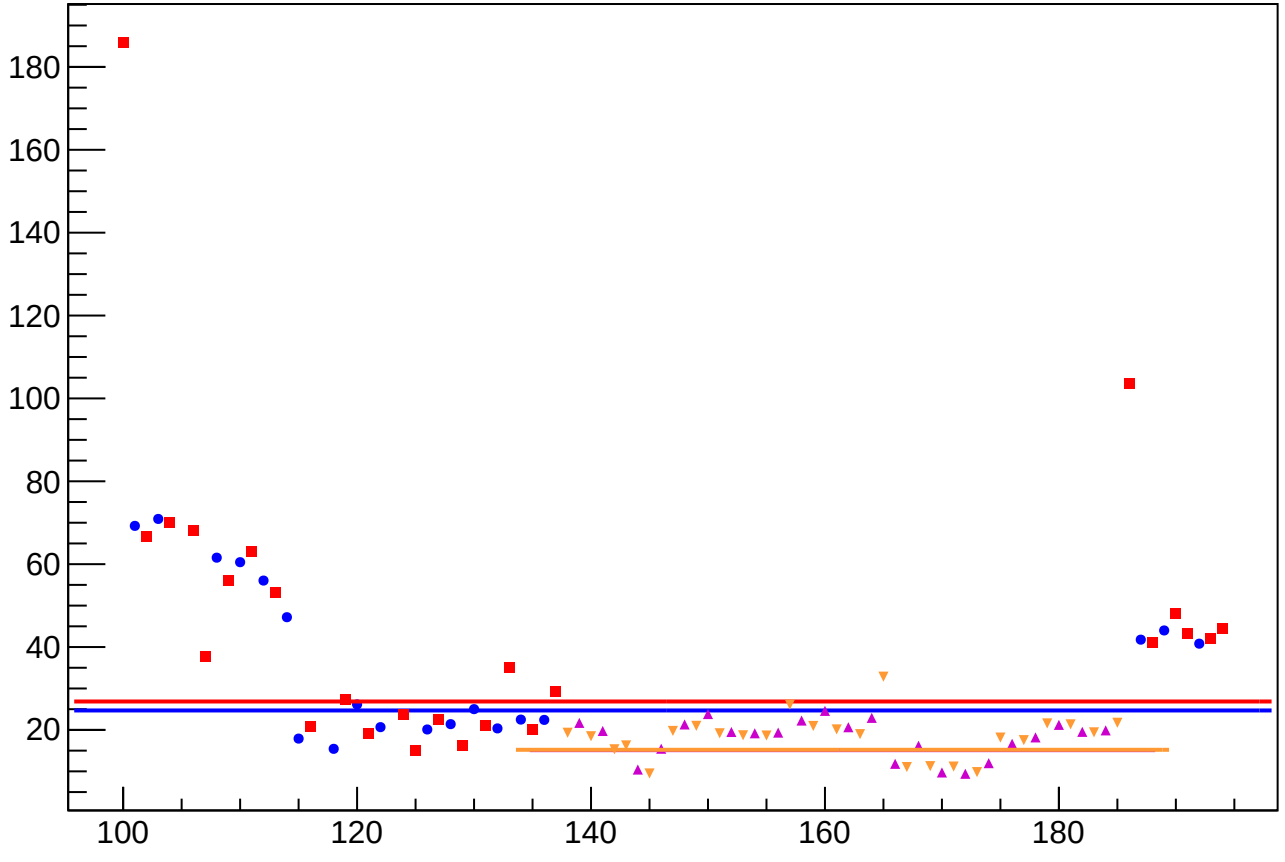
Right: 0.006+/-0.007 χ^2/NDF: 48.4/43

In: 0.004+/-0.004 χ^2/NDF:45.8/41

Out: -0.002+/-0.003 χ^2/NDF:52.5/49

All: 0.001+/-0.002 χ^2/NDF: 99.7/91

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.694+/-0.007 χ^2/NDF: 3007846.7/18

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 26.861+/-0.007 χ^2/NDF: 4370944.0/24

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

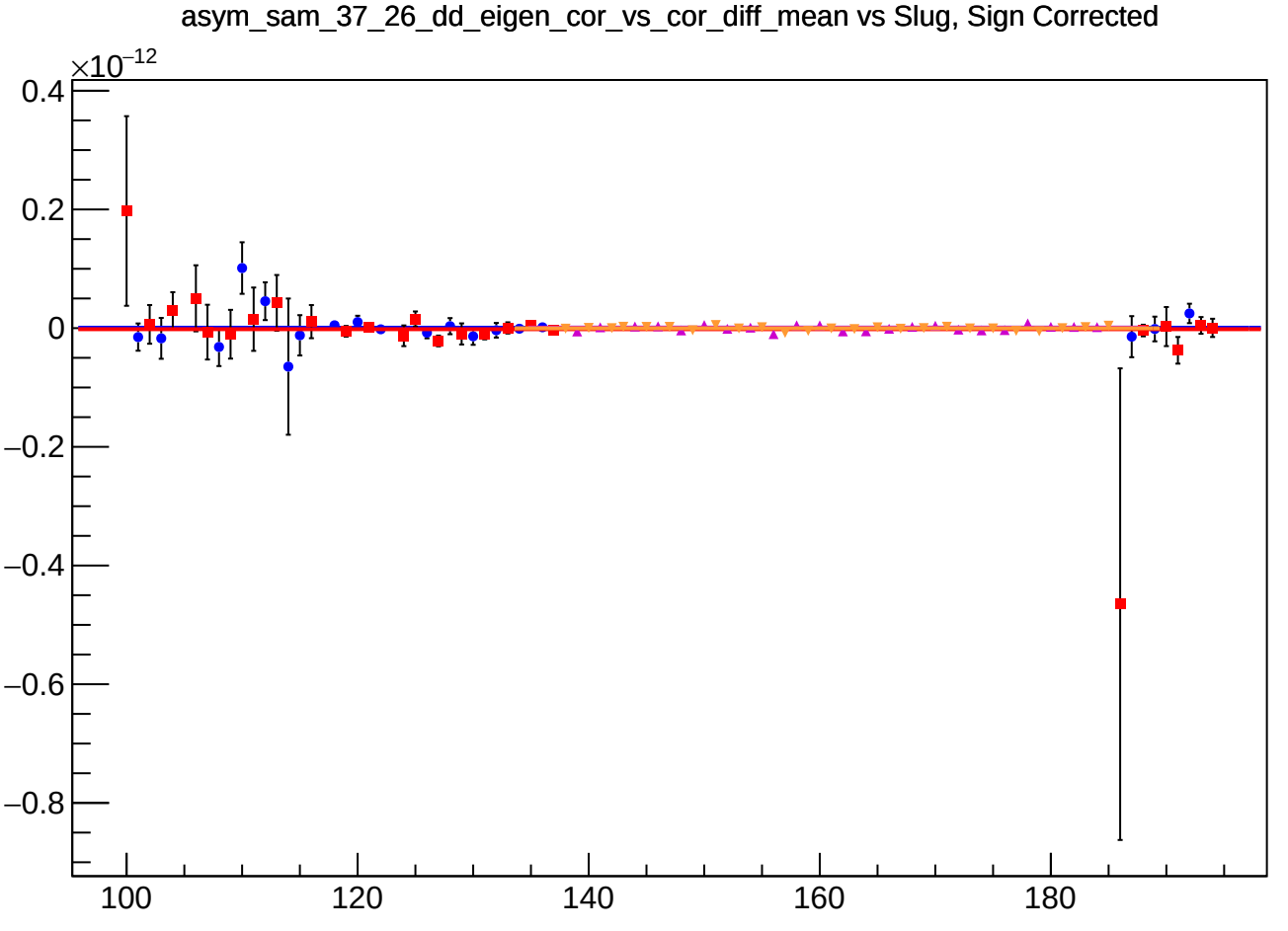
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

Right: 25.794+/-0.005 χ^2/NDF: 7432420.1/43

In: 16.470+/-0.003 χ^2/NDF:8182202.0/41

Out: 16.803+/-0.002 χ^2/NDF:10533724.5/49

All: 16.642+/-0.002 χ^2/NDF: 18725021.0/91



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.8/24

Left In: 0.000+/-0.000 χ^2/NDF:39.5/22

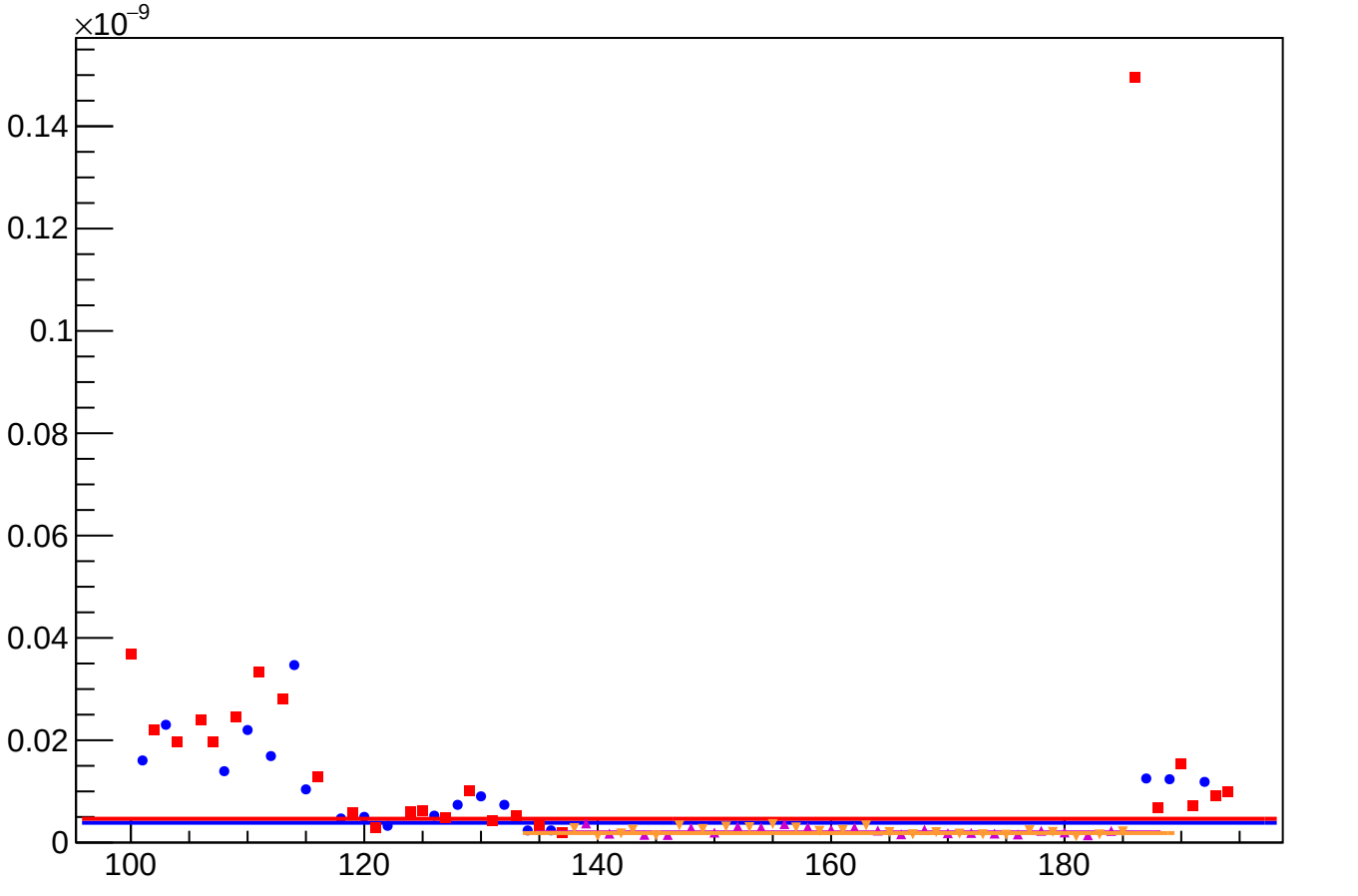
Left: 0.000+/-0.000 χ^2/NDF: 62.7/47

Right: -0.000+/-0.000 χ^2/NDF: 35.8/43

In: 0.000+/-0.000 χ^2/NDF:54.8/41

Out: -0.000+/-0.000 χ^2/NDF:41.6/49

All: 0.000+/-0.000 χ^2/NDF: 98.7/91



Right In: 0.000+/-0.000 χ^2/NDF: 4553897.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5573842.9/24

Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

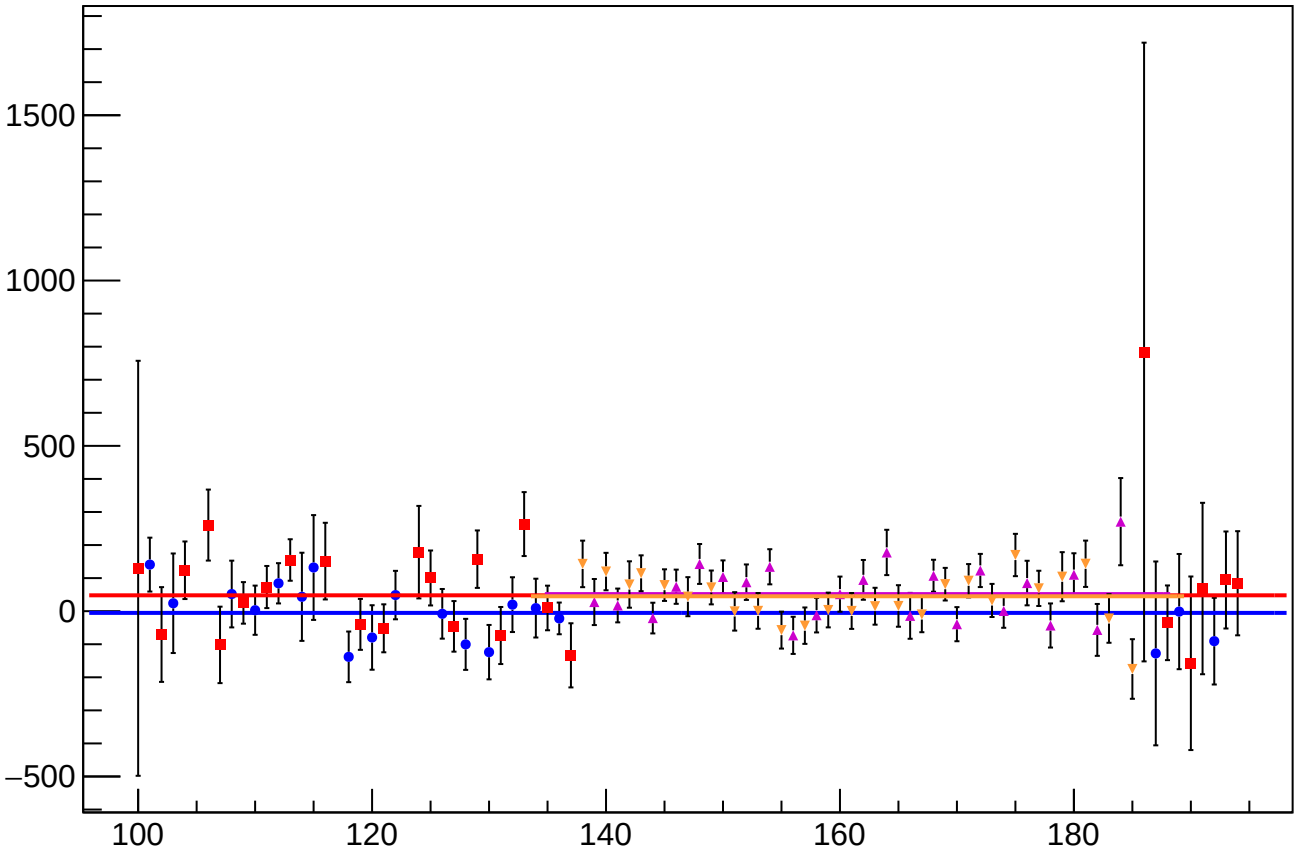
Left: 0.000+/-0.000 χ^2/NDF: 4661169.2/47

Right: 0.000+/-0.000 χ^2/NDF: 10262628.3/43

In: 0.000+/-0.000 χ^2/NDF:8078014.2/41

Out: 0.000+/-0.000 χ^2/NDF:11212907.4/49

All: 0.000+/-0.000 χ^2/NDF: 19352314.3/91



Right In: -5.184+/-19.591 χ^2/NDF: 15.2/18

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: 47.988+/-18.921 χ^2/NDF: 31.3/24

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

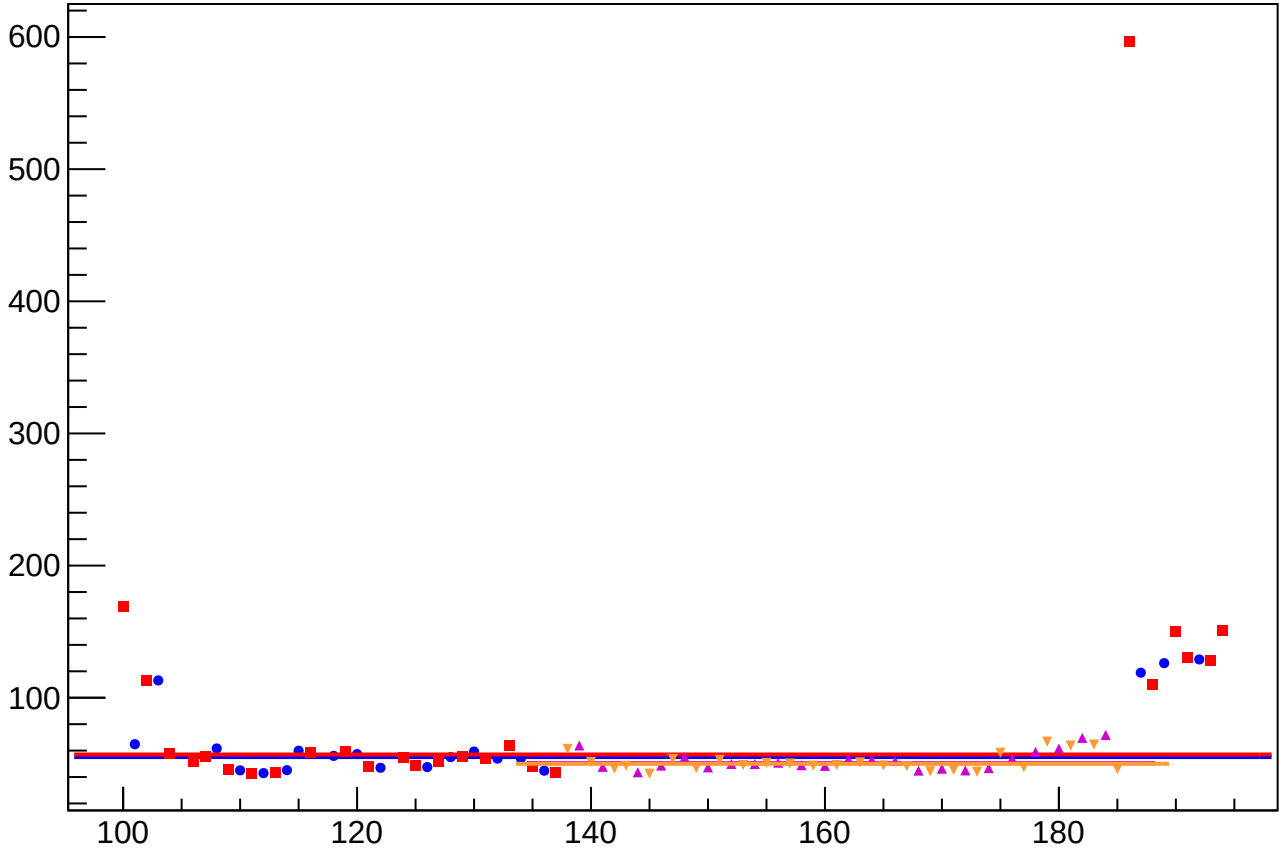
Right: 22.327+/-13.610 χ^2/NDF: 50.3/43

In: 36.254+/-10.189 χ^2/NDF:57.2/41

Out: 45.873+/-9.824 χ^2/NDF:62.7/49

All: 41.239+/-7.072 χ^2/NDF: 120.3/91

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 55.112+/-0.014 χ^2/NDF: 1680228.0/18

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 57.050+/-0.013 χ^2/NDF: 3488344.3/24

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

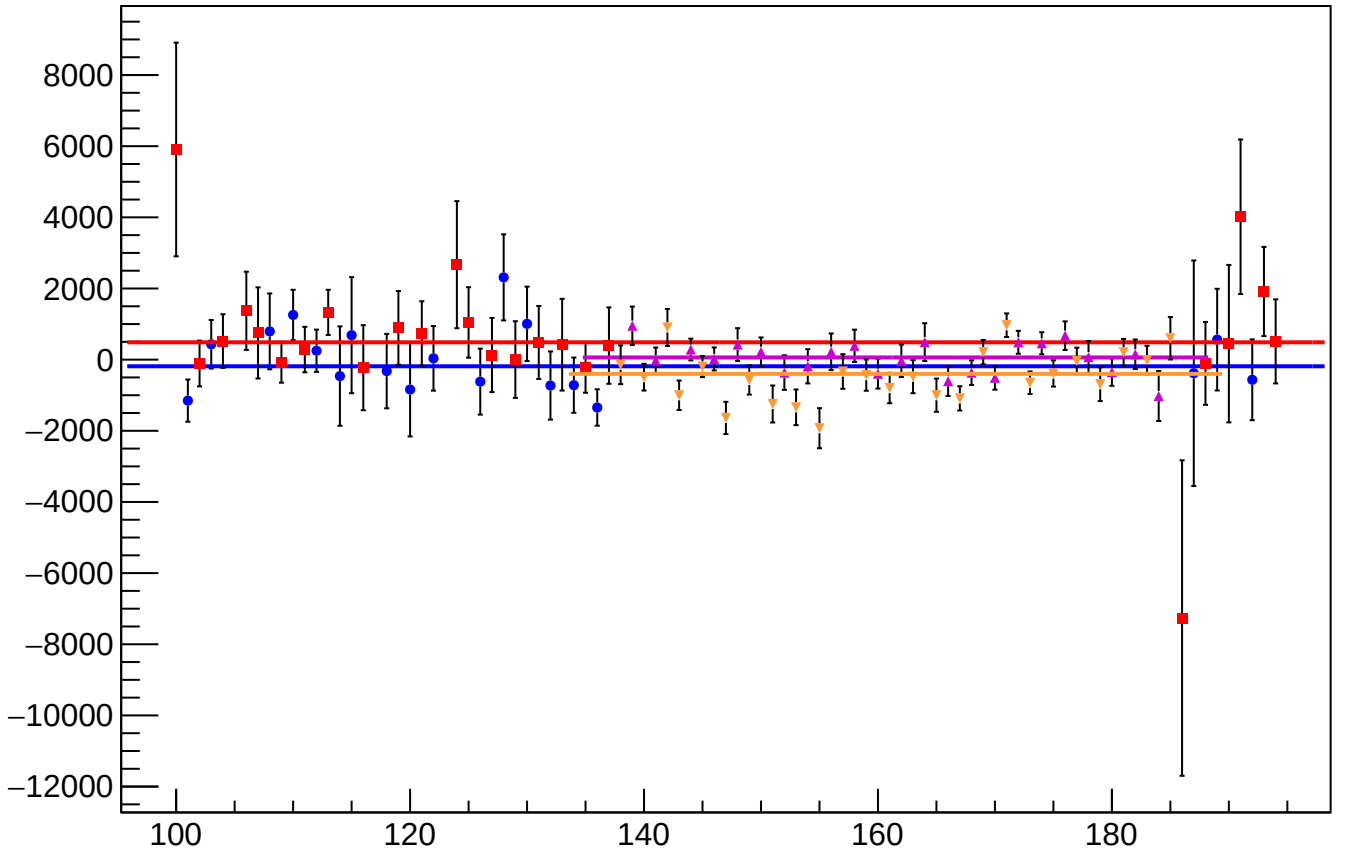
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 56.115+/-0.010 χ^2/NDF: 5178701.7/43

In: 51.756+/-0.007 χ^2/NDF:2264069.1/41

Out: 51.916+/-0.007 χ^2/NDF:4199055.7/49

All: 51.839+/-0.005 χ^2/NDF: 6463379.4/91



Right In: -186.315+/-200.110 χ^2/NDF: 21.7/18

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: 487.314+/-193.870 χ^2/NDF: 18.6/24

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

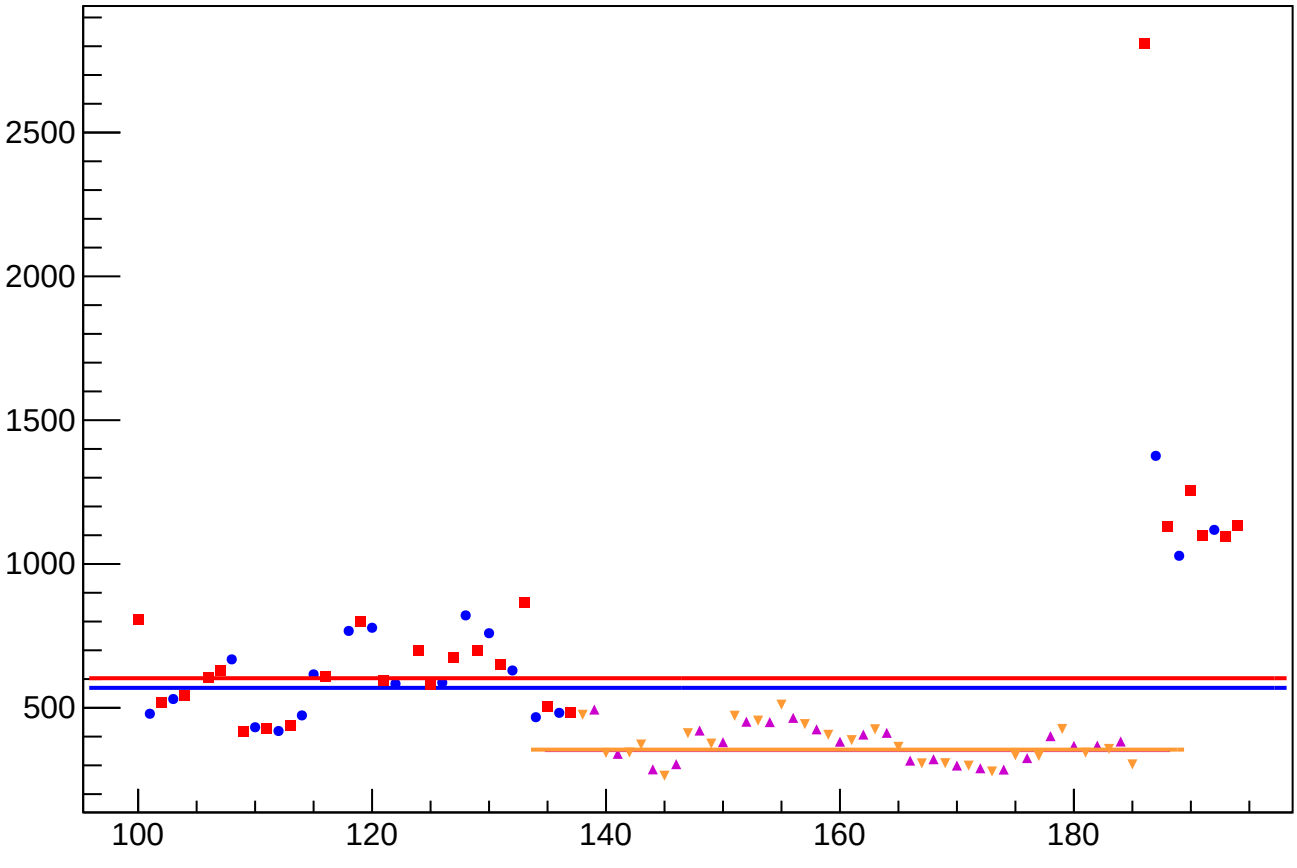
Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

Right: 161.165+/-139.241 χ^2/NDF: 46.2/43

In: 24.914+/-77.368 χ^2/NDF:47.0/41

Out: -264.633+/-75.572 χ^2/NDF:101.7/49

All: -123.260+/-54.061 χ^2/NDF: 155.9/91



Right In: 569.427+/-0.141 χ^2/NDF: 1462994.4/18

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 602.952+/-0.137 χ^2/NDF: 2710389.9/24

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

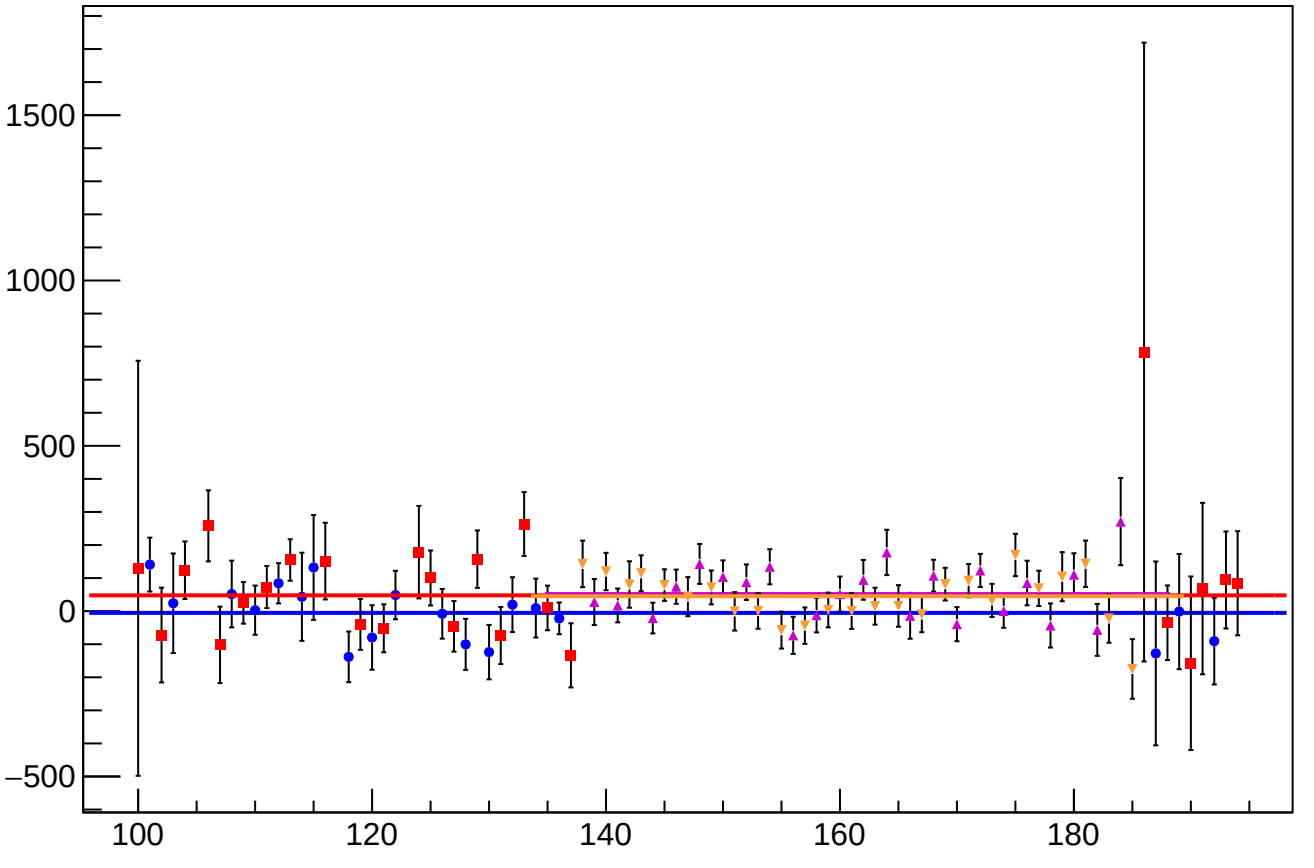
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 586.721+/-0.098 χ^2/NDF: 4202341.0/43

In: 385.446+/-0.055 χ^2/NDF:4454860.2/41

Out: 392.396+/-0.053 χ^2/NDF:6637626.7/49

All: 389.003+/-0.038 χ^2/NDF: 11100747.6/91



Right In: -5.188+/-19.591 χ^2/NDF: 15.2/18

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 47.879+/-18.922 χ^2/NDF: 31.2/24

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

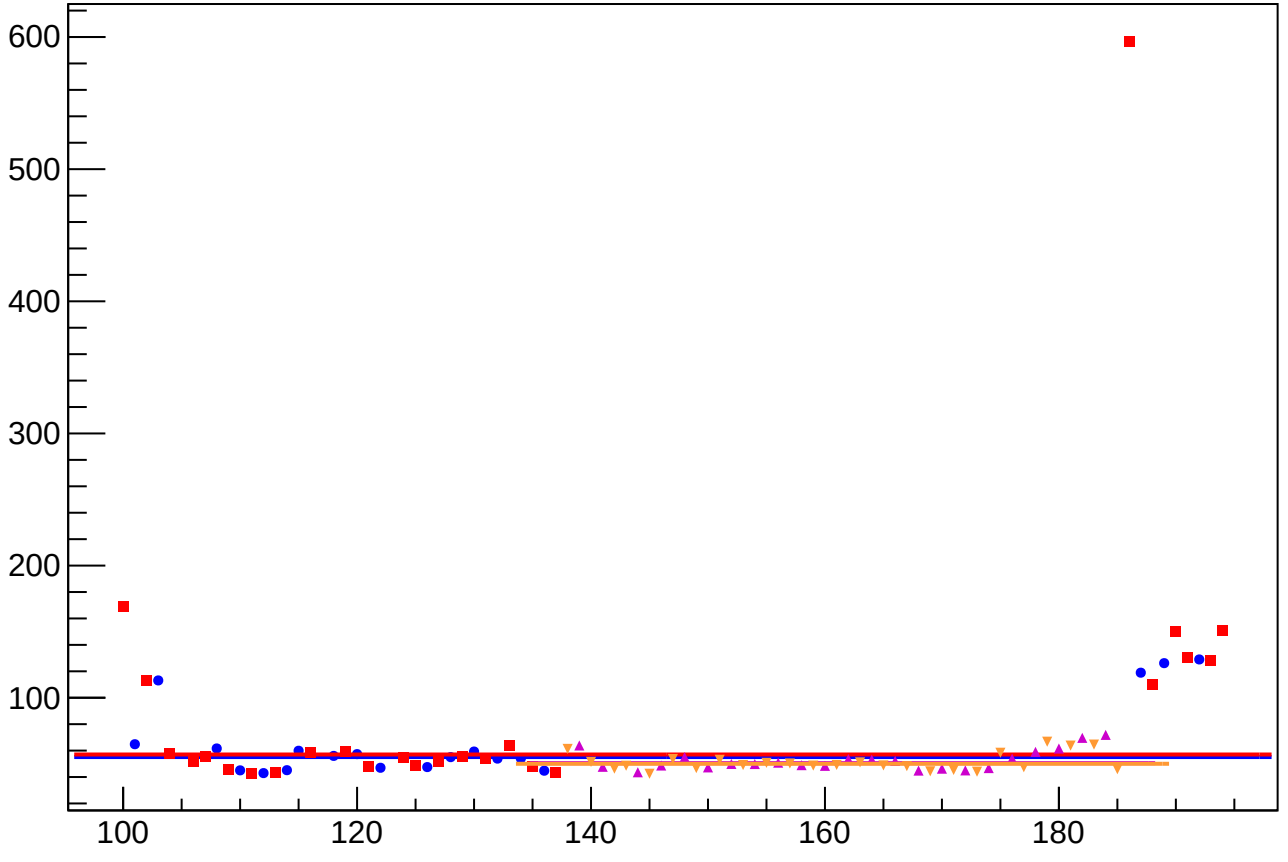
Right: 22.267+/-13.610 χ^2/NDF: 50.2/43

In: 36.252+/-10.189 χ^2/NDF:57.2/41

Out: 45.846+/-9.824 χ^2/NDF:62.6/49

All: 41.224+/-7.072 χ^2/NDF: 120.2/91

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 55.112+/-0.014 χ^2/NDF: 1680230.3/18

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 57.041+/-0.013 χ^2/NDF: 3489144.8/24

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

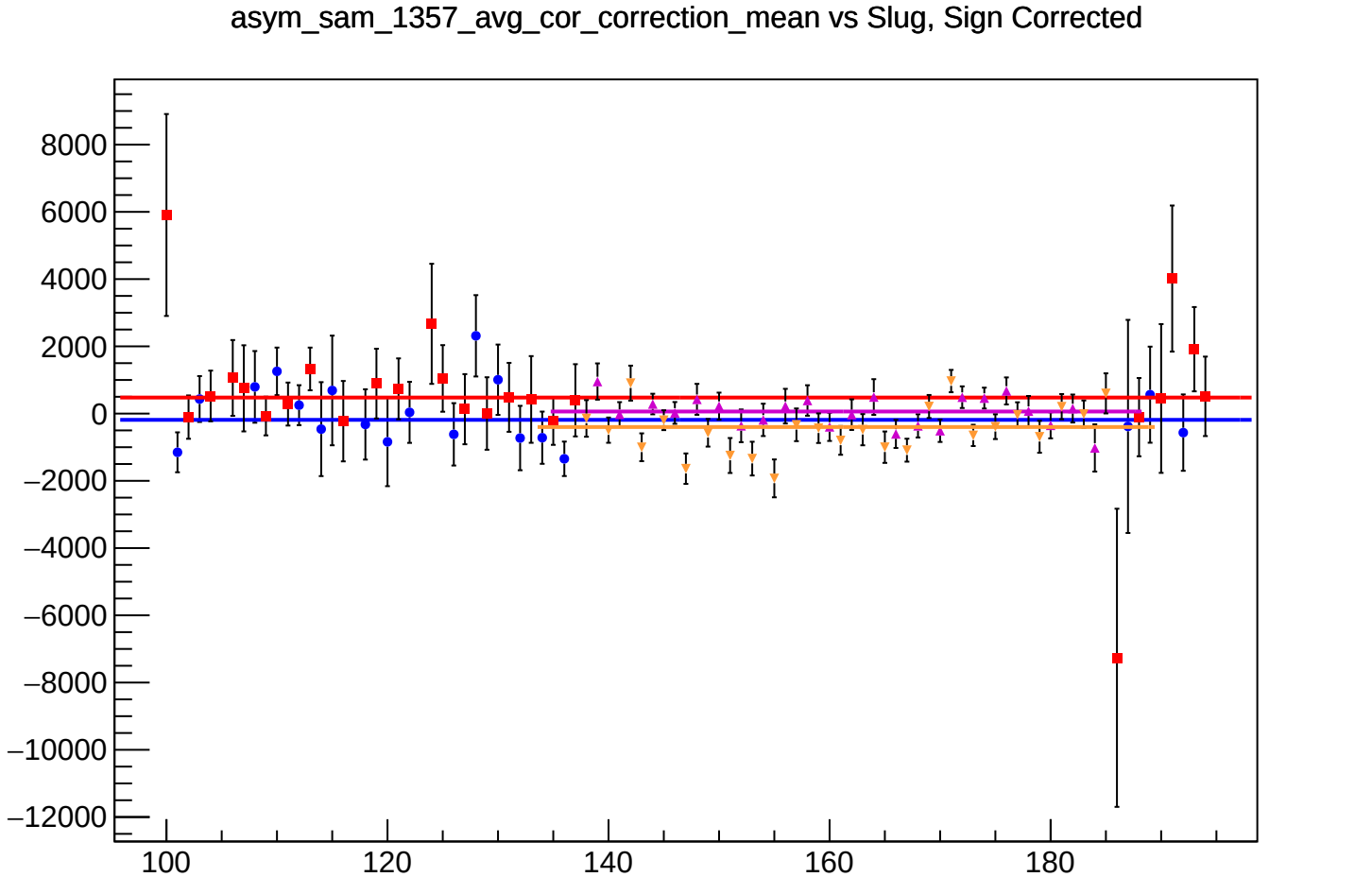
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 56.110+/-0.010 χ^2/NDF: 5179407.2/43

In: 51.756+/-0.007 χ^2/NDF:2264071.4/41

Out: 51.913+/-0.007 χ^2/NDF:4199315.1/49

All: 51.838+/-0.005 χ^2/NDF: 6463632.9/91



Right In: -186.294+/-200.112 χ^2/NDF: 21.7/18

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 477.099+/-194.036 χ^2/NDF: 18.2/24

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

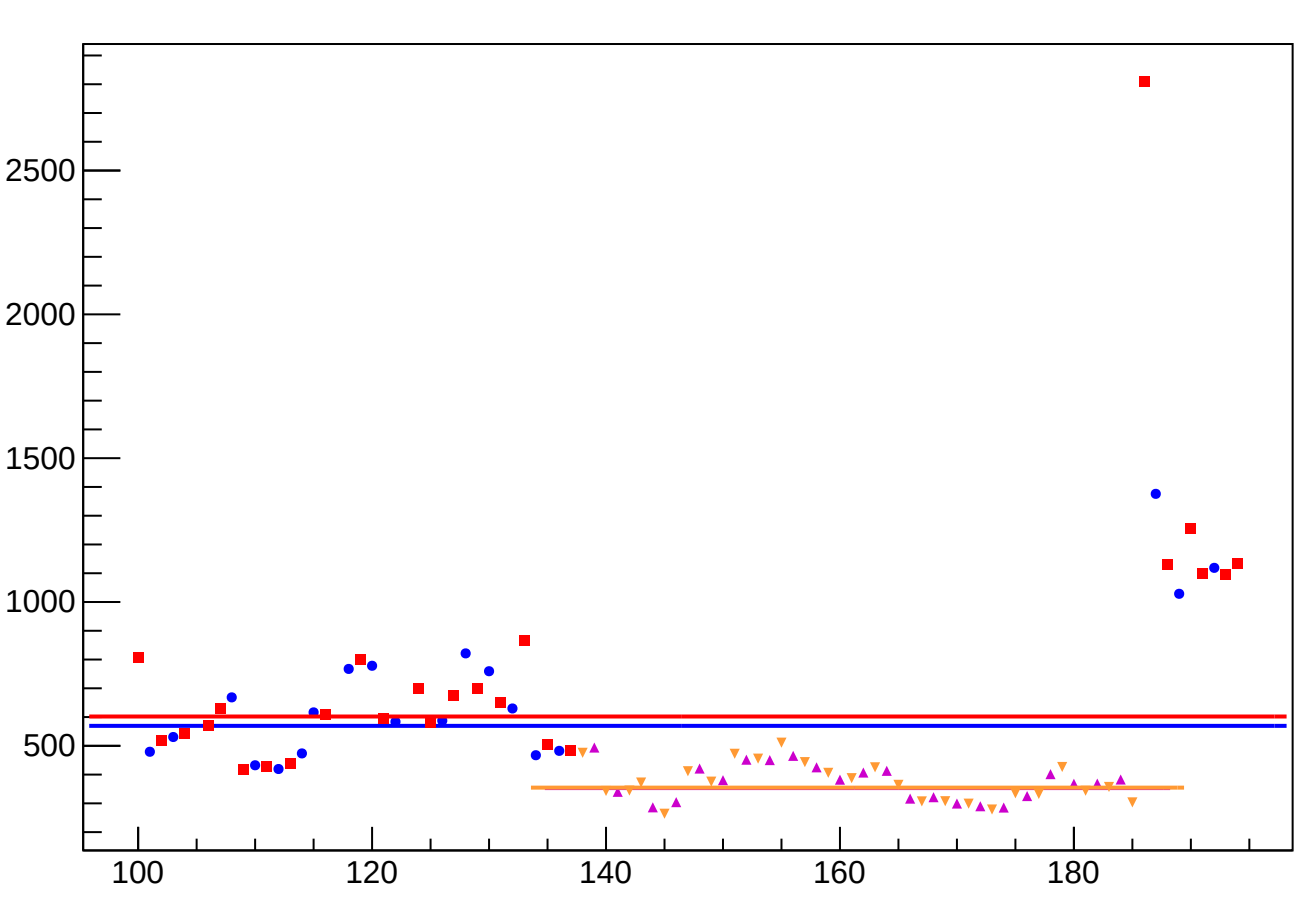
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 155.625+/-139.303 χ^2/NDF: 45.6/43

In: 24.917+/-77.369 χ^2/NDF:47.0/41

Out: -266.374+/-75.582 χ^2/NDF:100.9/49

All: -124.131+/-54.065 χ^2/NDF: 155.1/91



Right In: 569.433+/-0.142 χ^2/NDF: 1462975.1/18

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 601.955+/-0.137 χ^2/NDF: 2711501.8/24

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

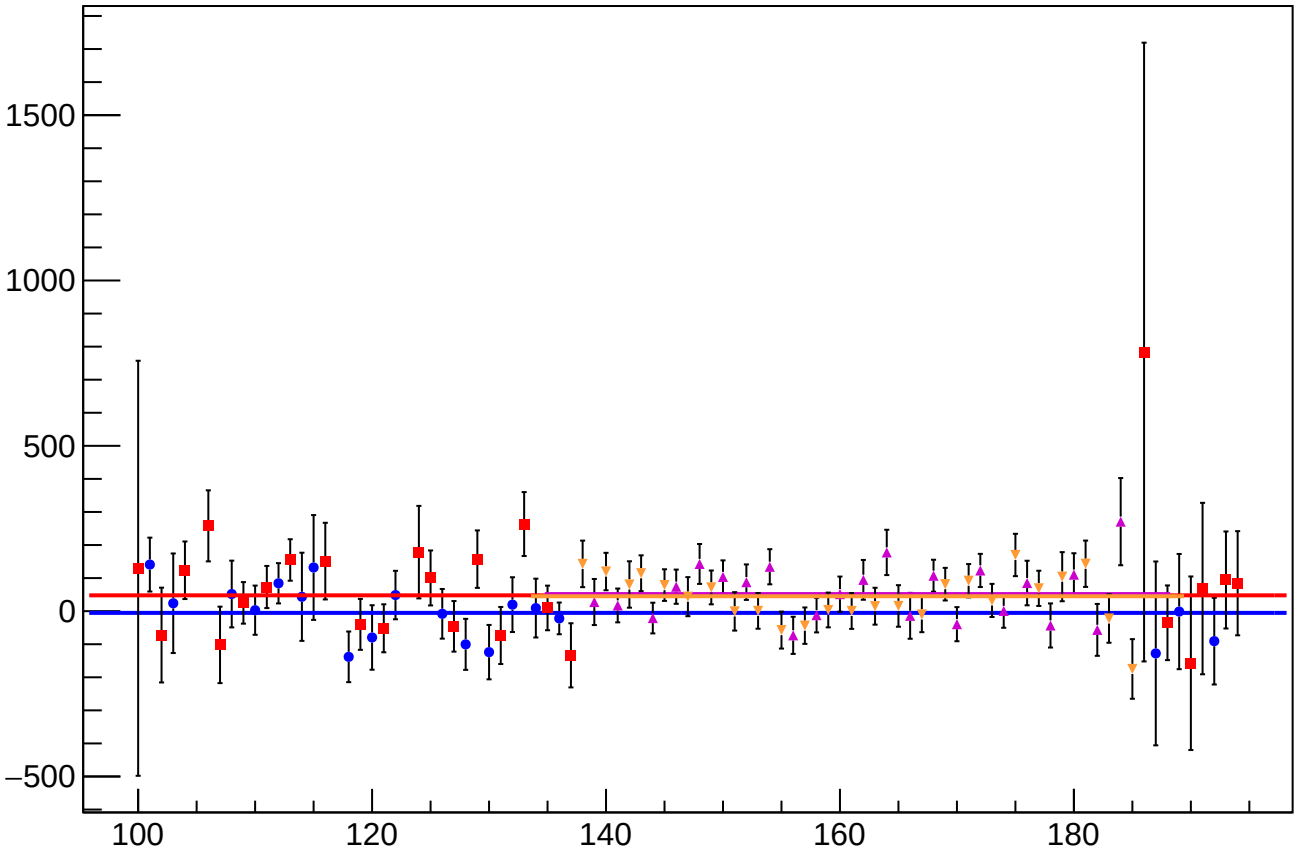
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 586.195+/-0.099 χ^2/NDF: 4201704.5/43

In: 385.446+/-0.055 χ^2/NDF:4454911.9/41

Out: 392.190+/-0.053 χ^2/NDF:6612447.2/49

All: 388.897+/-0.038 χ^2/NDF: 11075135.4/91



Right In: -5.188+/-19.591 χ^2/NDF: 15.2/18

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 47.879+/-18.922 χ^2/NDF: 31.2/24

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

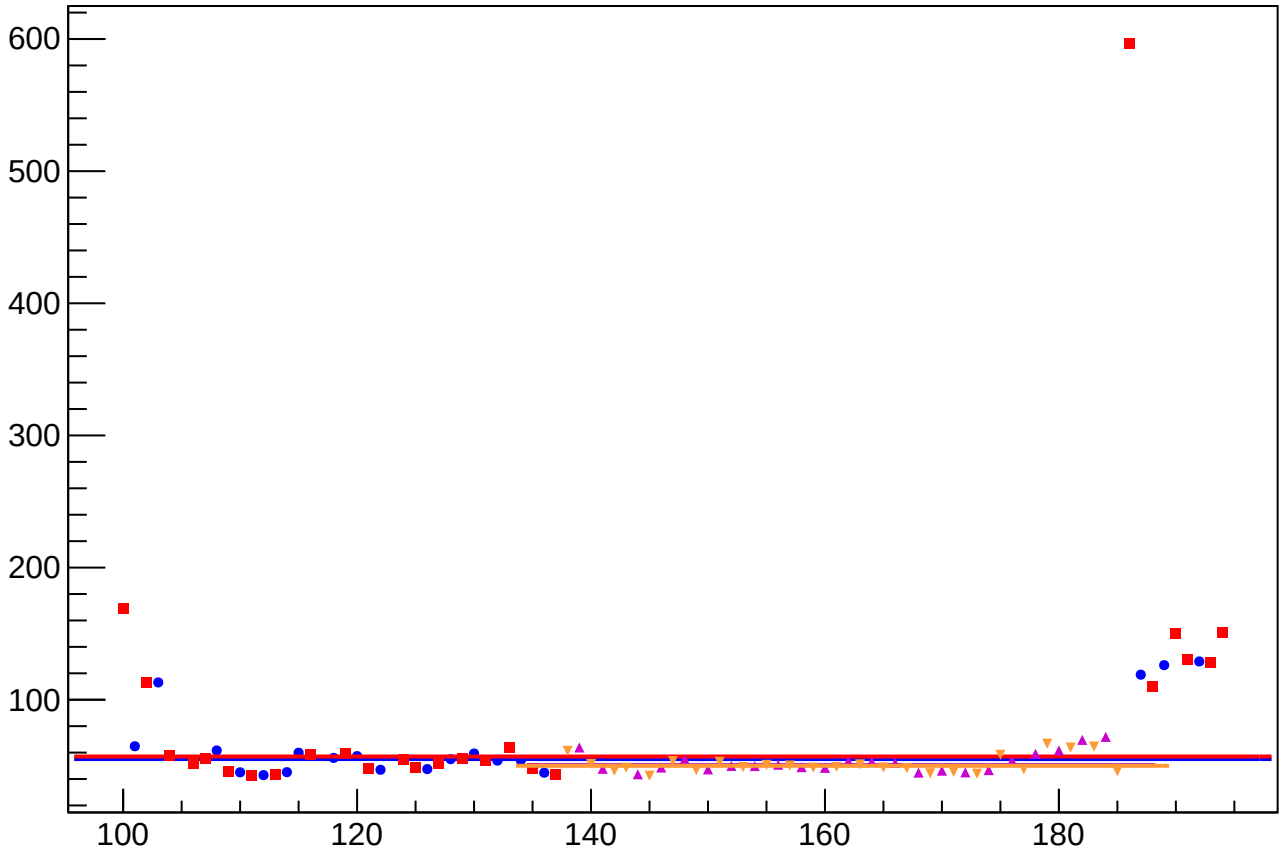
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 22.267+/-13.610 χ^2/NDF: 50.2/43

In: 36.252+/-10.189 χ^2/NDF:57.2/41

Out: 45.846+/-9.824 χ^2/NDF:62.6/49

All: 41.224+/-7.072 χ^2/NDF: 120.2/91



Right In: 55.112+/-0.014 χ^2/NDF: 1680230.3/18

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 57.041+/-0.013 χ^2/NDF: 3489144.8/24

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

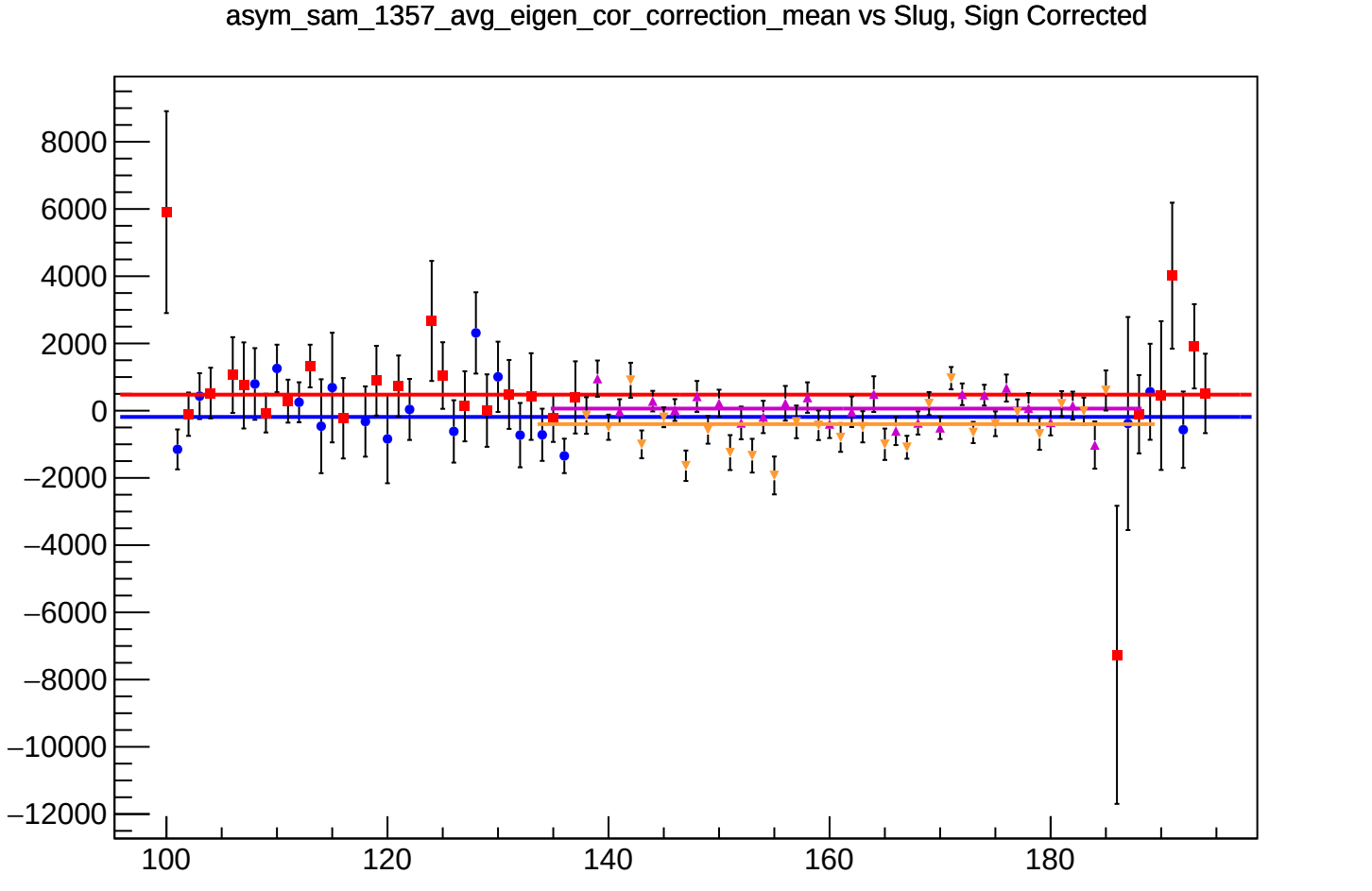
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 56.110+/-0.010 χ^2/NDF: 5179407.2/43

In: 51.756+/-0.007 χ^2/NDF:2264071.4/41

Out: 51.913+/-0.007 χ^2/NDF:4199315.1/49

All: 51.838+/-0.005 χ^2/NDF: 6463632.9/91



Right In: -186.294+/-200.112 χ^2/NDF: 21.7/18

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 477.099+/-194.036 χ^2/NDF: 18.2/24

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

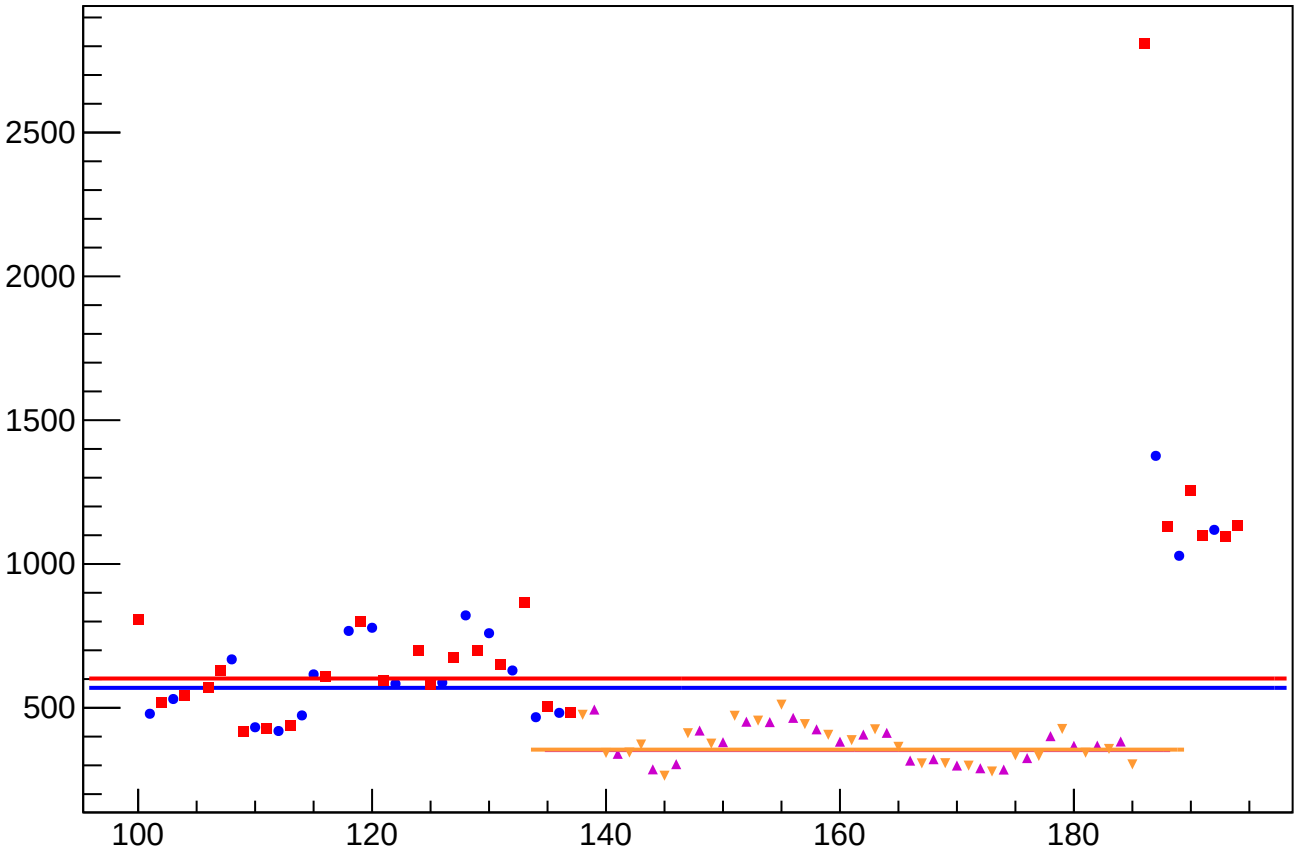
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 155.625+/-139.303 χ^2/NDF: 45.6/43

In: 24.917+/-77.369 χ^2/NDF:47.0/41

Out: -266.374+/-75.582 χ^2/NDF:100.9/49

All: -124.131+/-54.065 χ^2/NDF: 155.1/91



Right In: 569.433+/-0.142 χ^2/NDF: 1462975.1/18

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 601.955+/-0.137 χ^2/NDF: 2711501.8/24

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

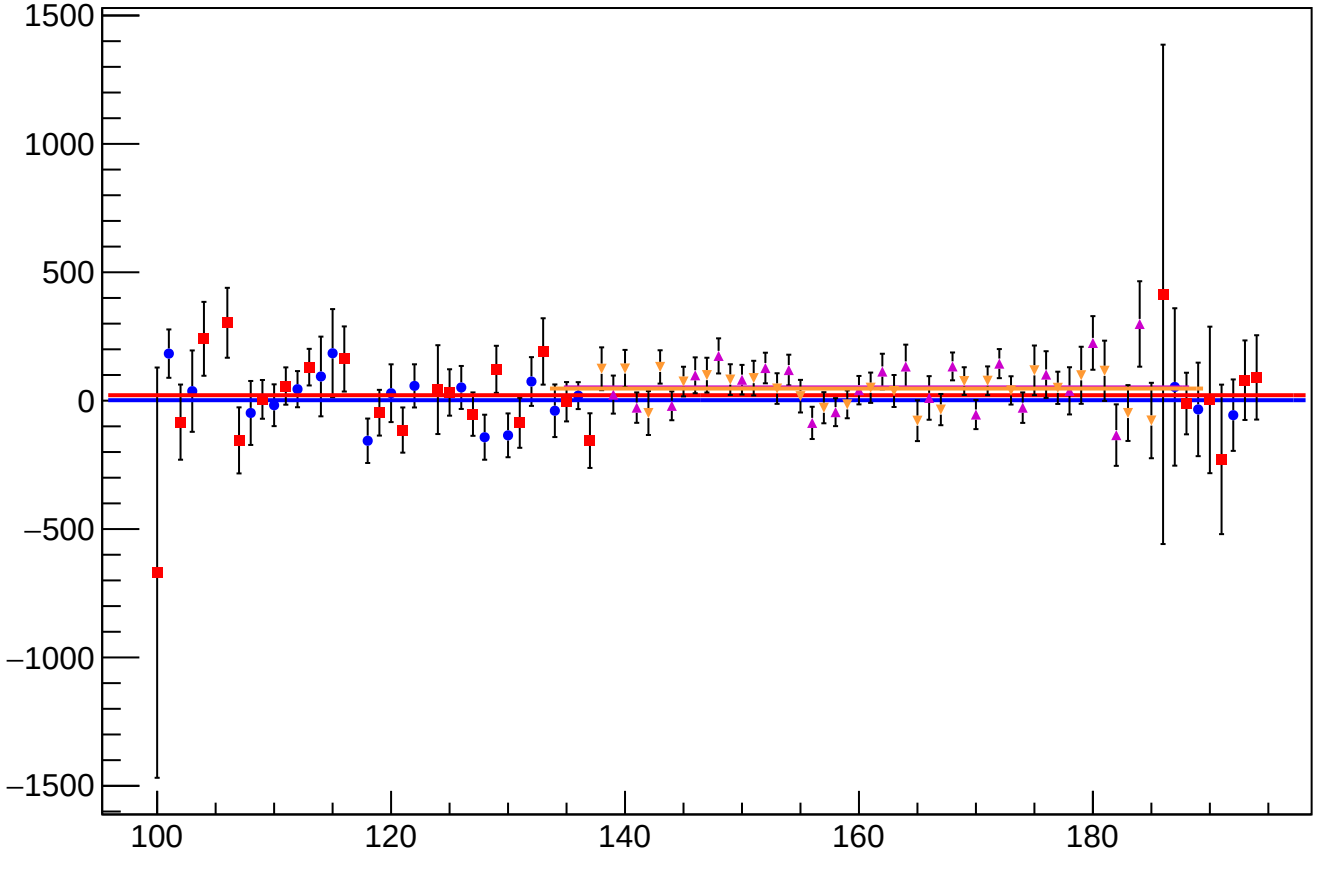
Right: 586.195+/-0.099 χ^2/NDF: 4201704.5/43

In: 385.446+/-0.055 χ^2/NDF:4454911.9/41

Out: 392.190+/-0.053 χ^2/NDF:6612447.2/49

All: 388.897+/-0.038 χ^2/NDF: 11075135.4/91

dit_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 1.808+/-21.972 χ^2/NDF: 16.4/18

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 21.254+/-21.809 χ^2/NDF: 25.7/24

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

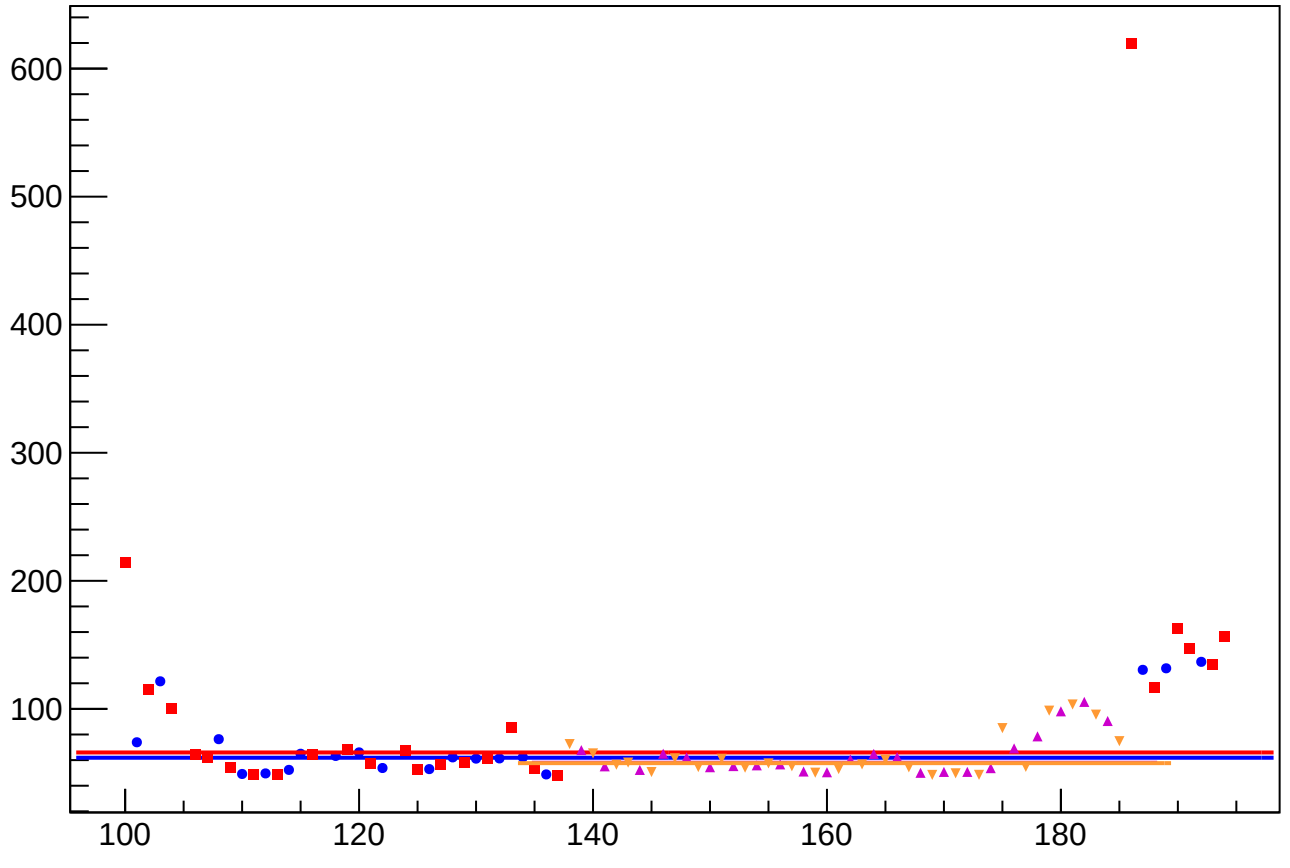
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 11.604+/-15.479 χ^2/NDF: 42.5/43

In: 37.357+/-11.767 χ^2/NDF:58.3/41

Out: 39.968+/-11.486 χ^2/NDF:43.7/49

All: 38.694+/-8.219 χ^2/NDF: 102.0/91



Right In: 61.855+/-0.016 χ^2/NDF: 1602595.1/18

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 65.972+/-0.015 χ^2/NDF: 3350094.6/24

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

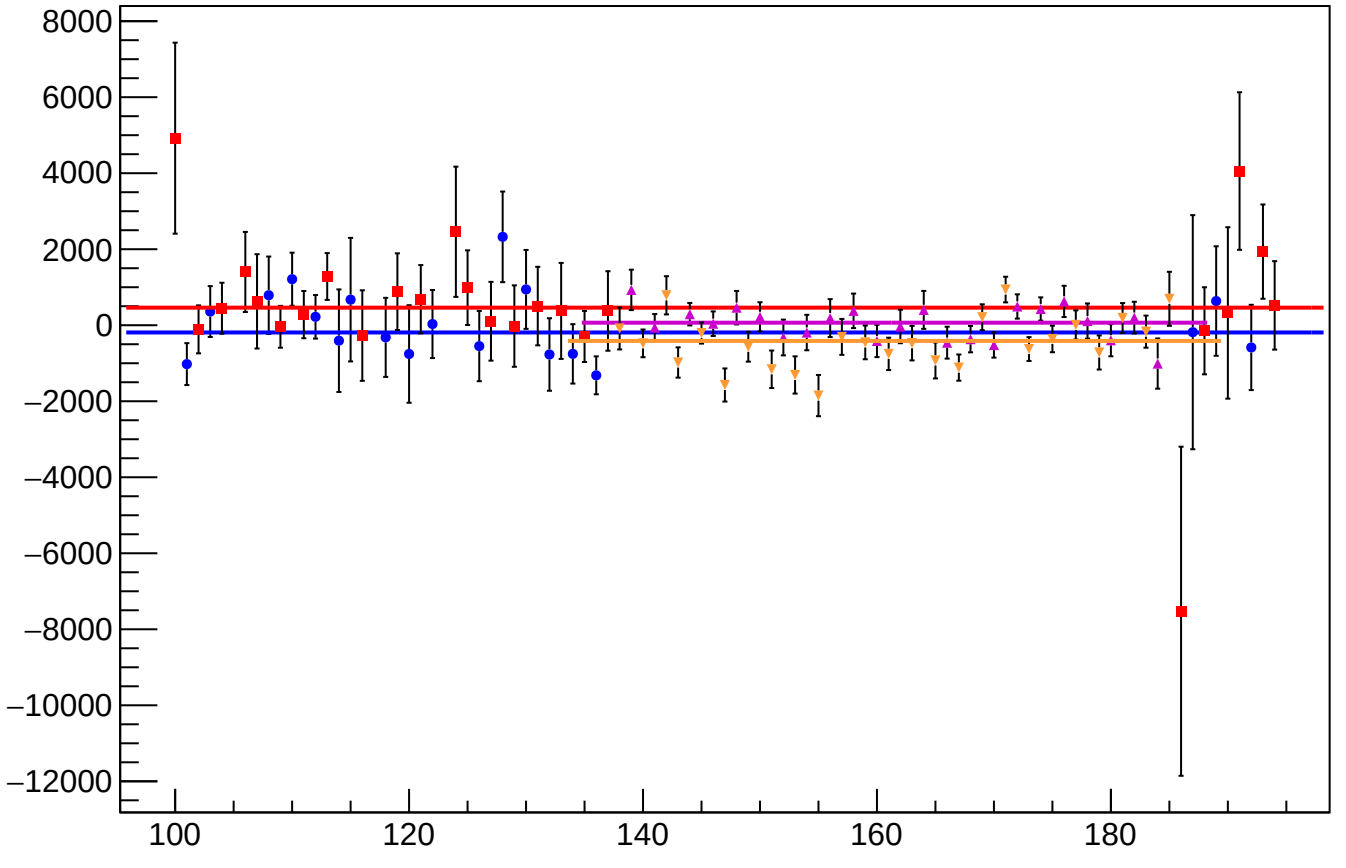
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 63.929+/-0.011 χ^2/NDF: 4988064.6/43

In: 59.063+/-0.008 χ^2/NDF:2772393.2/41

Out: 59.944+/-0.008 χ^2/NDF:4926946.3/49

All: 59.514+/-0.006 χ^2/NDF: 7705087.7/91



Right In: -190.445+/-195.250 χ^2/NDF: 21.2/18

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 462.735+/-187.648 χ^2/NDF: 19.5/24

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

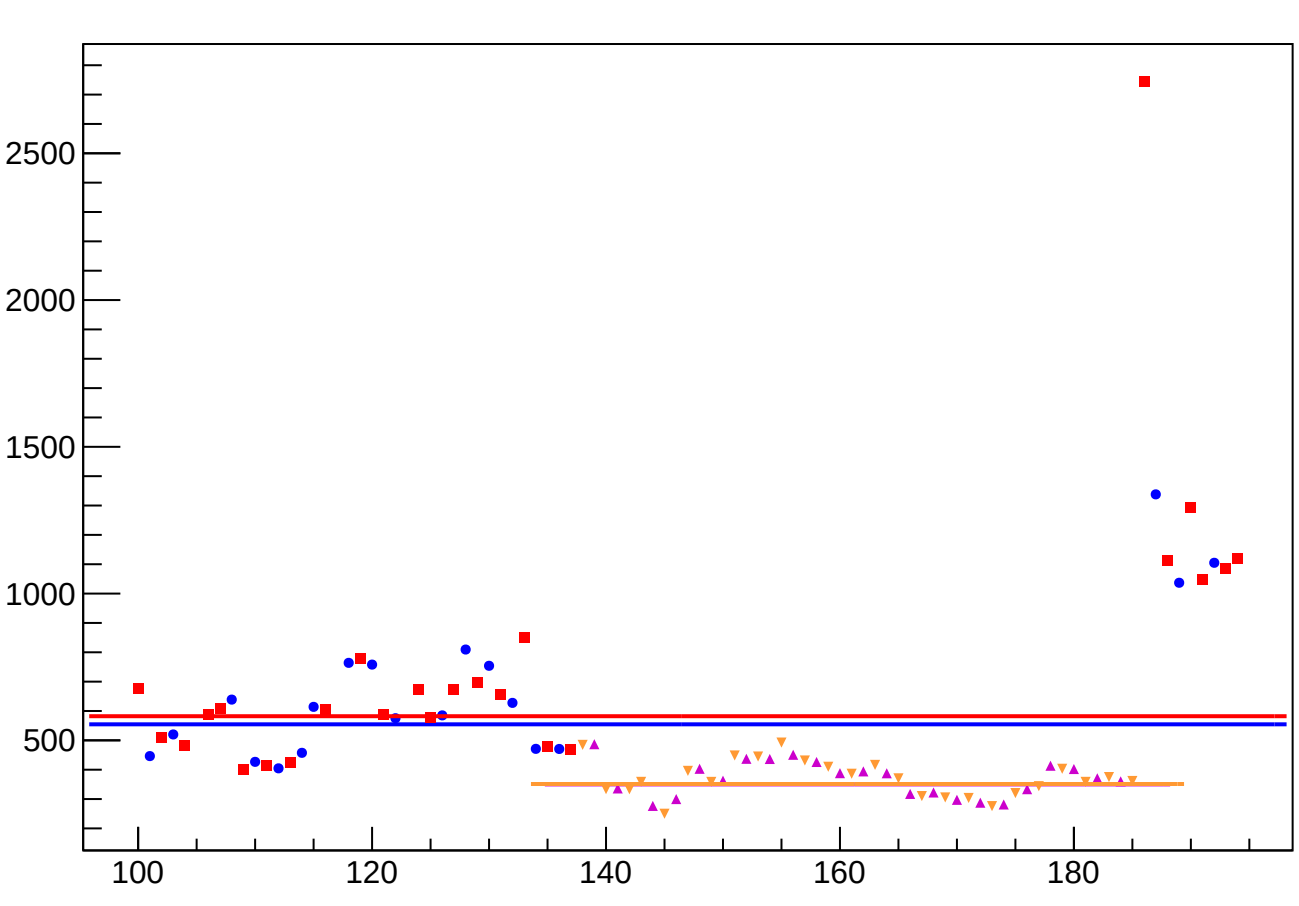
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 149.108+/-135.295 χ^2/NDF: 46.5/43

In: 27.225+/-76.449 χ^2/NDF:45.6/41

Out: -275.113+/-74.471 χ^2/NDF:99.1/49

All: -127.905+/-53.344 χ^2/NDF: 152.8/91



Right In: 554.591+/-0.138 χ^2/NDF: 1538670.3/18

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 582.222+/-0.133 χ^2/NDF: 2843028.8/24

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

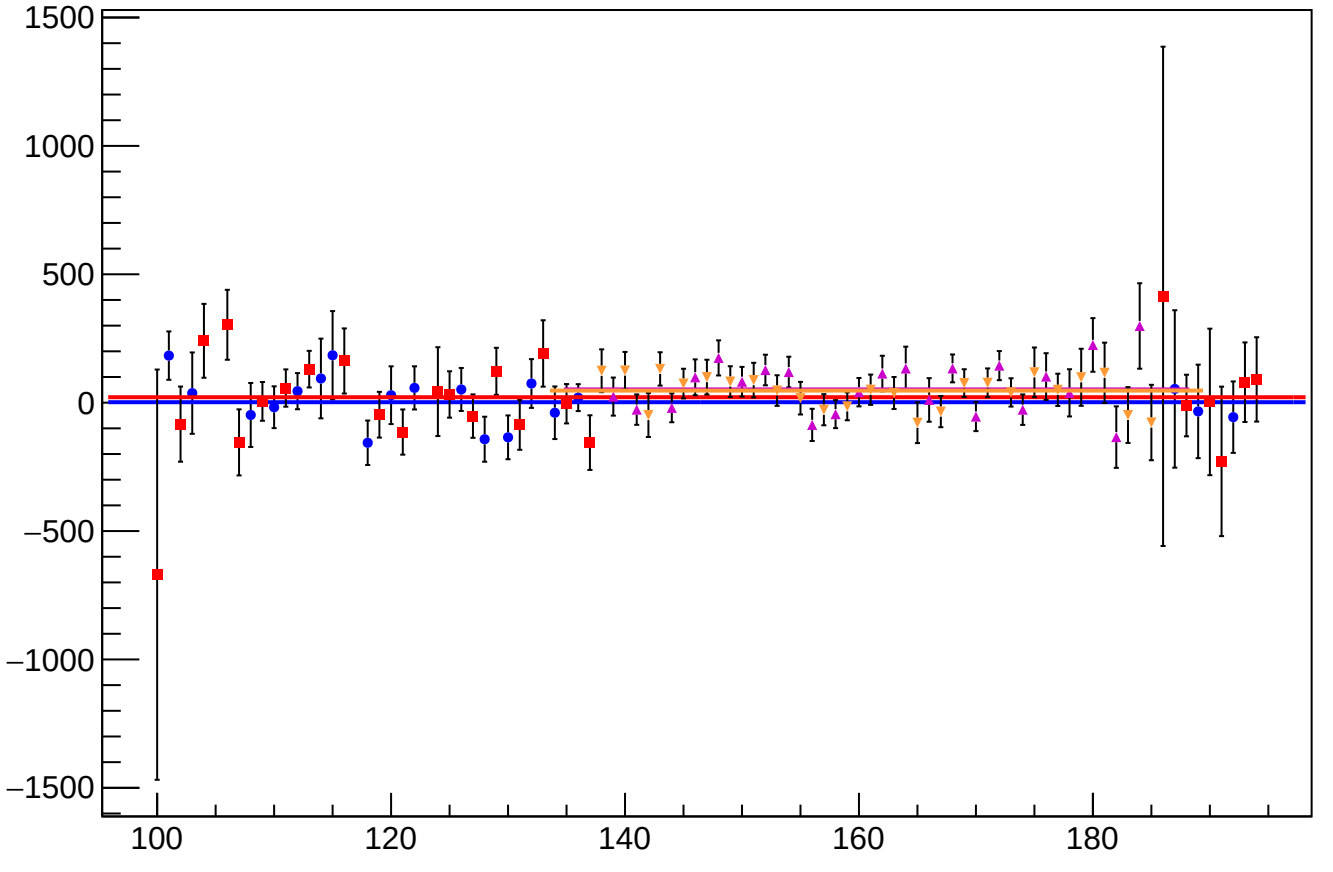
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 568.955+/-0.096 χ^2/NDF: 4402520.5/43

In: 381.207+/-0.054 χ^2/NDF:4391733.6/41

Out: 387.641+/-0.053 χ^2/NDF:6513830.9/49

All: 384.508+/-0.038 χ^2/NDF: 10912833.8/91



Right In: 1.808+/-21.972 χ^2/NDF: 16.4/18

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 21.253+/-21.810 χ^2/NDF: 25.7/24

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

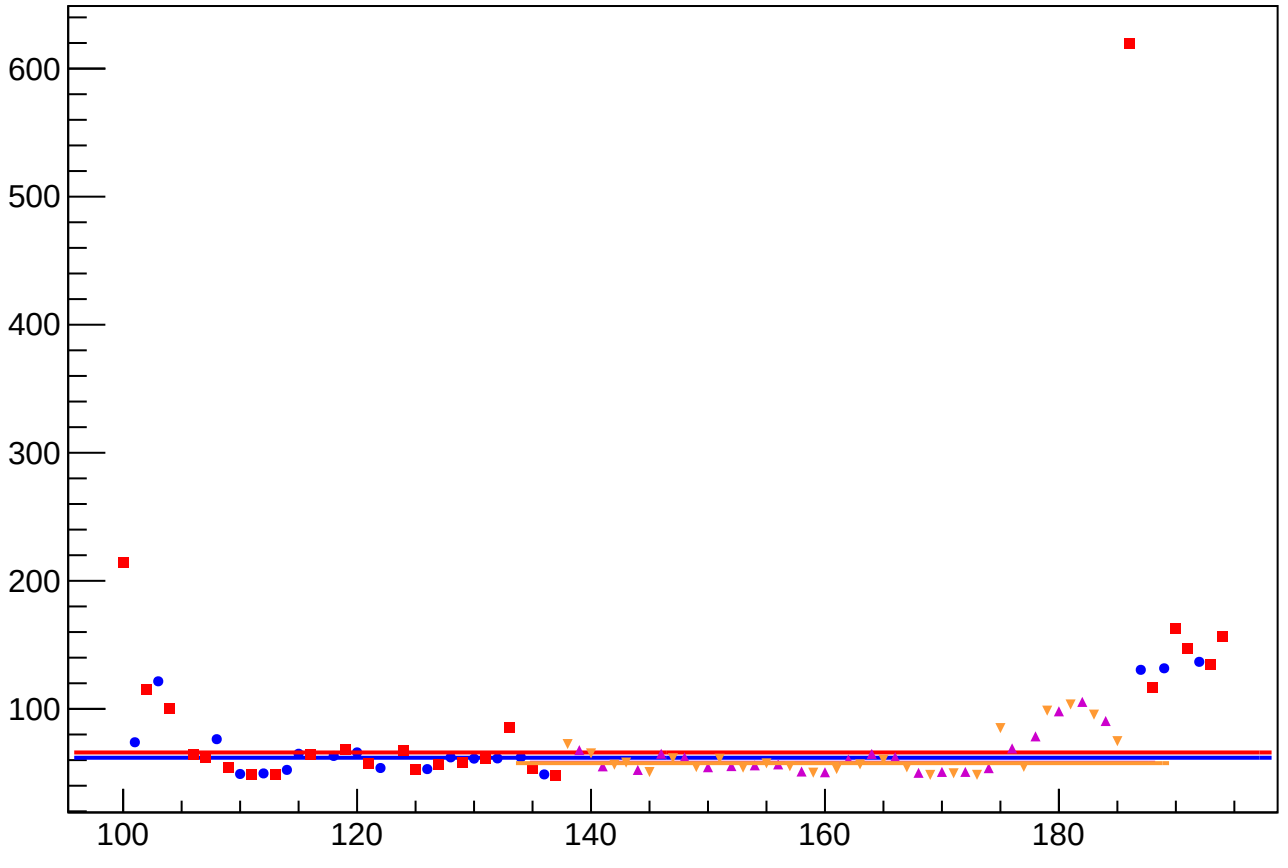
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 11.603+/-15.479 χ^2/NDF: 42.5/43

In: 37.356+/-11.767 χ^2/NDF:58.3/41

Out: 39.968+/-11.486 χ^2/NDF:43.7/49

All: 38.694+/-8.219 χ^2/NDF: 102.0/91



Right In: 61.855+/-0.016 χ^2/NDF: 1602591.1/18

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

Right Out: 65.972+/-0.015 χ^2/NDF: 3350093.3/24

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

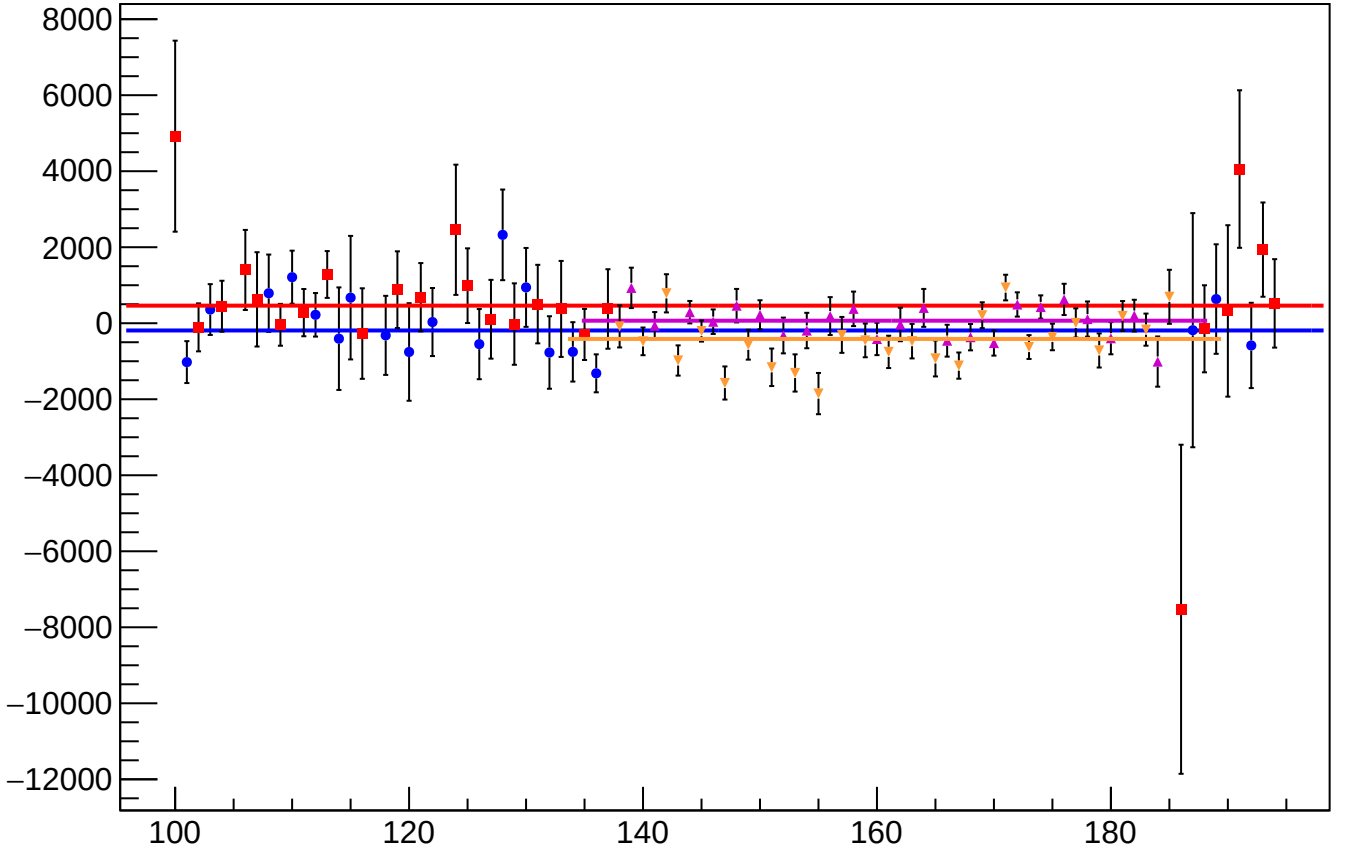
Right: 63.929+/-0.011 χ^2/NDF: 4988059.9/43

In: 59.063+/-0.008 χ^2/NDF:2772375.1/41

Out: 59.944+/-0.008 χ^2/NDF:4926941.2/49

All: 59.514+/-0.006 χ^2/NDF: 7705064.4/91

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -190.445+/-195.249 χ^2/NDF: 21.2/18

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 462.735+/-187.647 χ^2/NDF: 19.5/24

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

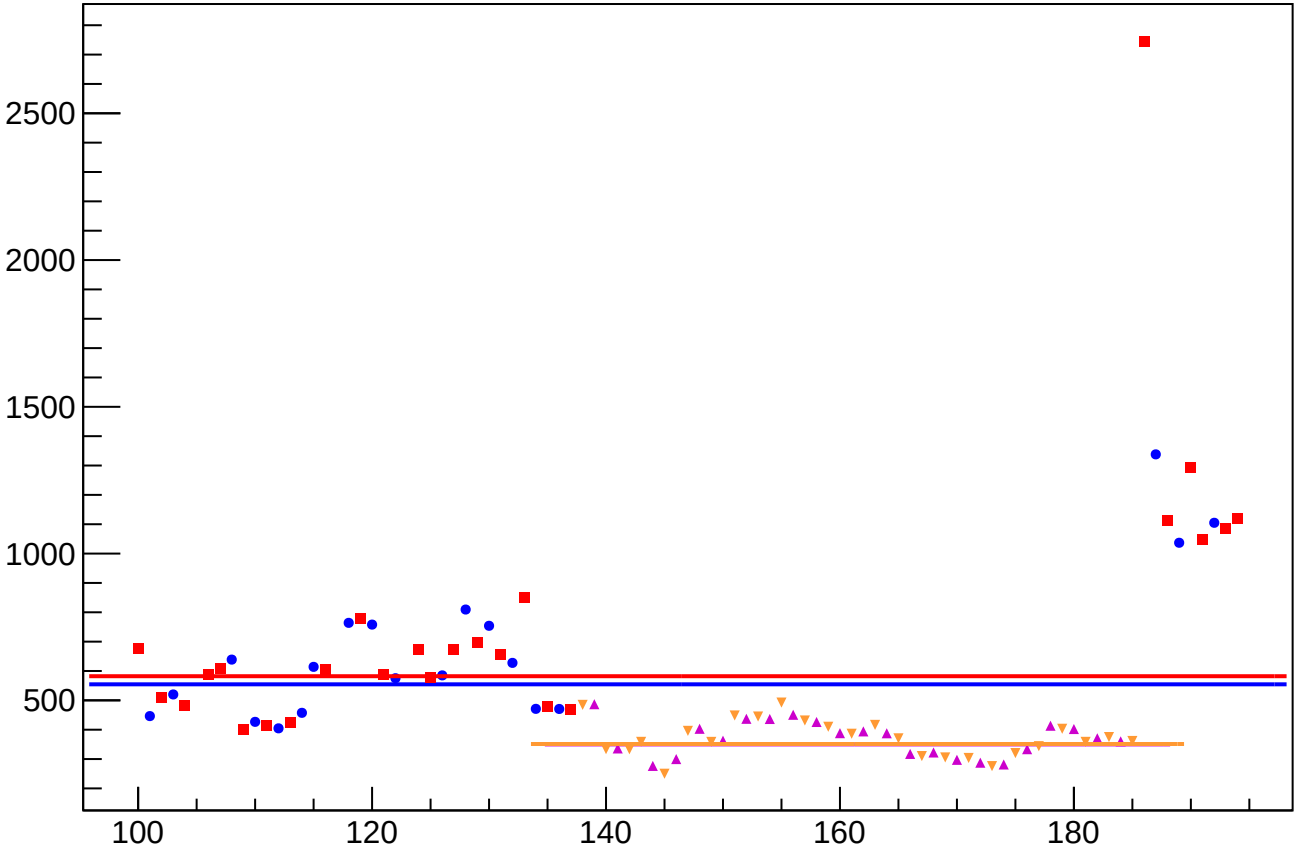
Right: 149.108+/-135.294 χ^2/NDF: 46.5/43

In: 27.225+/-76.448 χ^2/NDF:45.6/41

Out: -275.113+/-74.471 χ^2/NDF:99.1/49

All: -127.905+/-53.344 χ^2/NDF: 152.8/91

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 554.590+/-0.138 χ^2/NDF: 1538676.0/18

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 582.220+/-0.133 χ^2/NDF: 2843031.0/24

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

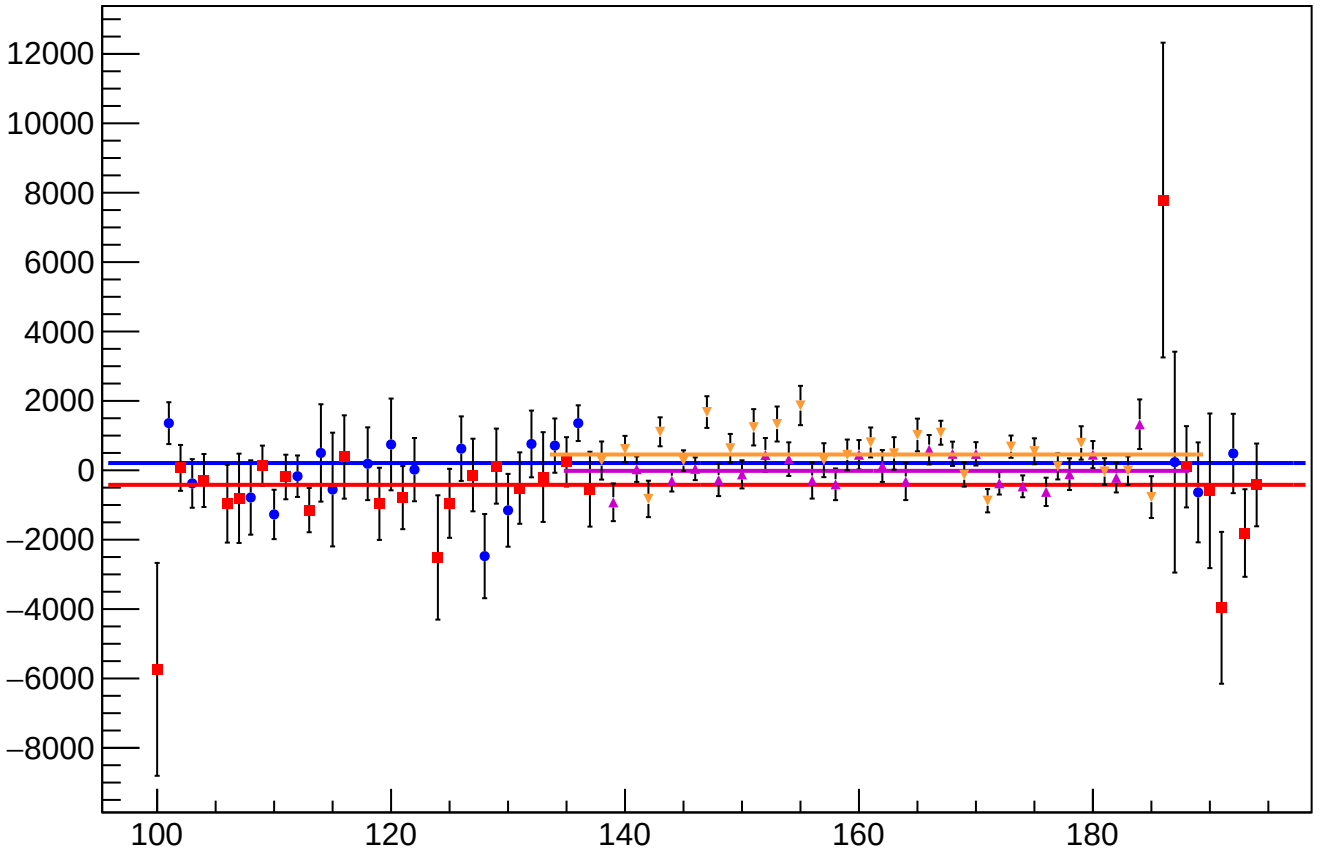
Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

Right: 568.953+/-0.096 χ^2/NDF: 4402528.5/43

In: 381.206+/-0.054 χ^2/NDF:4391721.7/41

Out: 387.640+/-0.053 χ^2/NDF:6513819.2/49

All: 384.508+/-0.038 χ^2/NDF: 10912809.9/91



Right In: 209.368+/-201.731 χ^2/NDF: 23.3/18

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: -418.642+/-195.444 χ^2/NDF: 17.3/24

Left In: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

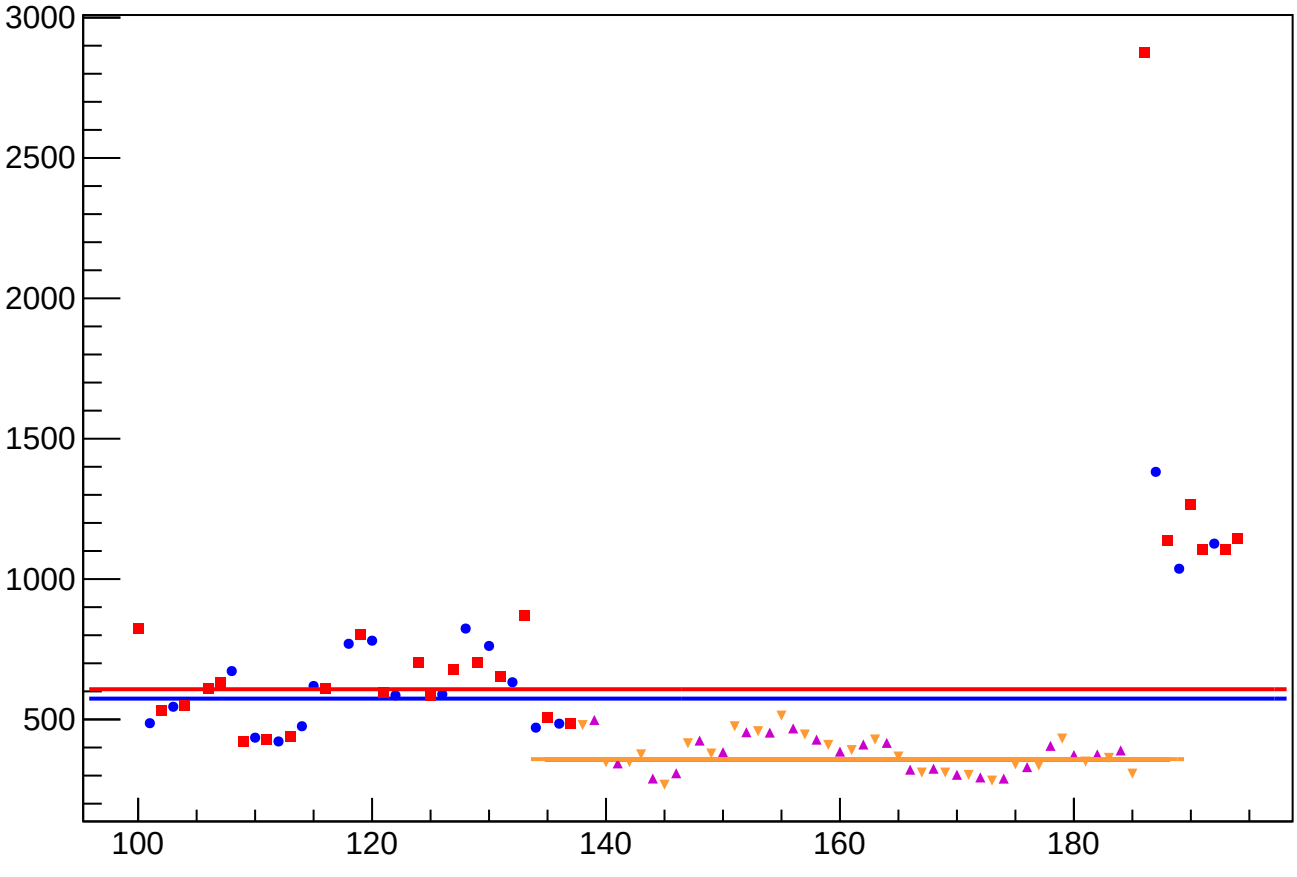
Right: -114.575+/-140.370 χ^2/NDF: 45.6/43

In: 17.802+/-78.198 χ^2/NDF:49.2/41

Out: 321.820+/-76.366 χ^2/NDF:95.1/49

All: 173.414+/-54.635 χ^2/NDF: 152.1/91

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 574.208+/-0.143 χ^2/NDF: 1451813.6/18

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

Right Out: 607.646+/-0.138 χ^2/NDF: 2707147.3/24

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

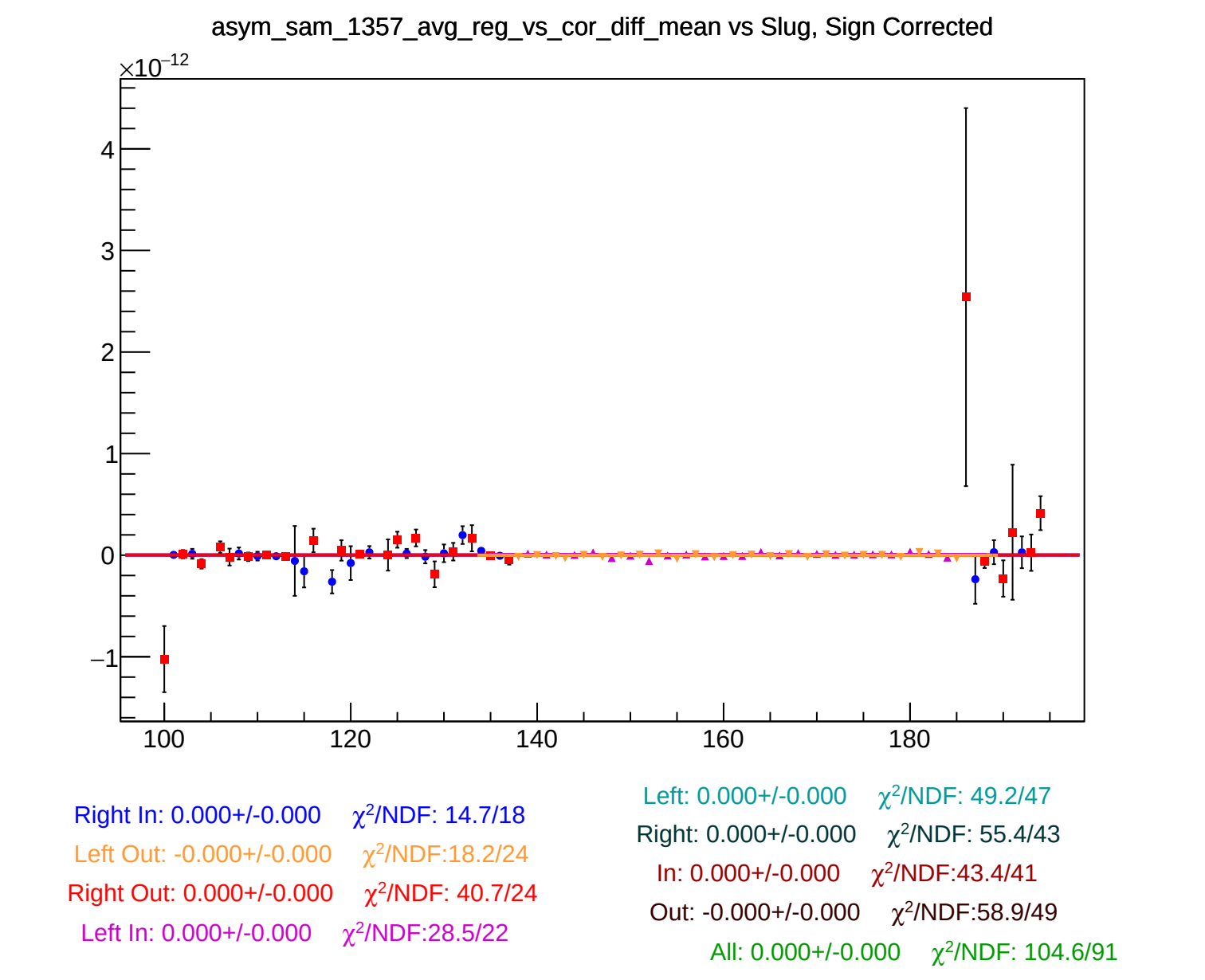
Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

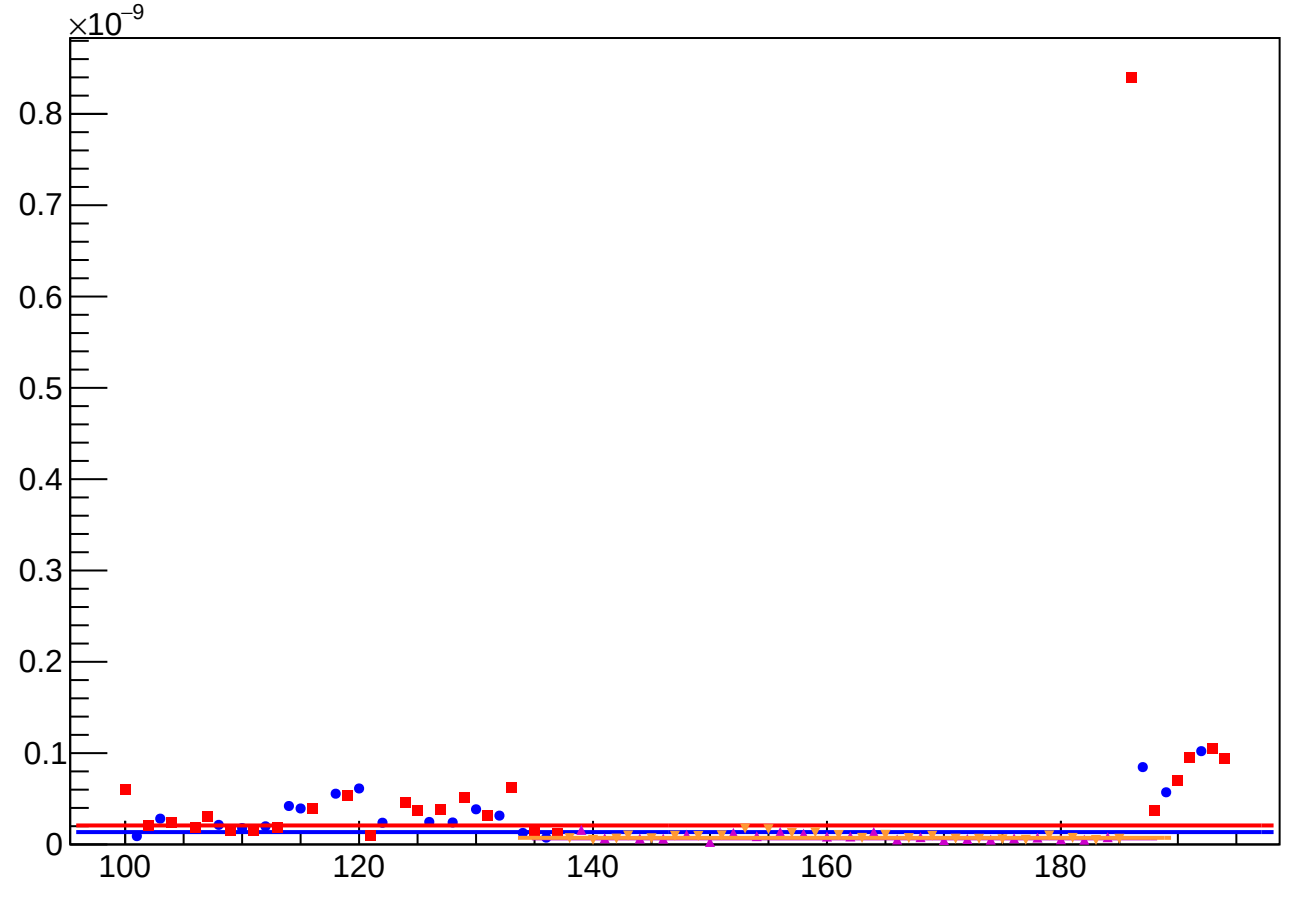
Right: 591.456+/-0.099 χ^2/NDF: 4187304.7/43

In: 389.793+/-0.055 χ^2/NDF:4400404.2/41

Out: 396.687+/-0.054 χ^2/NDF:6576654.5/49

All: 393.321+/-0.039 χ^2/NDF: 10985015.3/91


asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 14.7/18
Left Out: -0.000+/-0.000 χ²/NDF:18.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 40.7/24
Left In: 0.000+/-0.000 χ²/NDF:28.5/22
Left: 0.000+/-0.000 χ²/NDF: 49.2/47
Right: 0.000+/-0.000 χ²/NDF: 55.4/43
In: 0.000+/-0.000 χ²/NDF:43.4/41
Out: -0.000+/-0.000 χ²/NDF:58.9/49
All: 0.000+/-0.000 χ²/NDF: 104.6/91



Right In: 0.000+/-0.000 χ^2/NDF: 2853197.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2905950.0/24

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

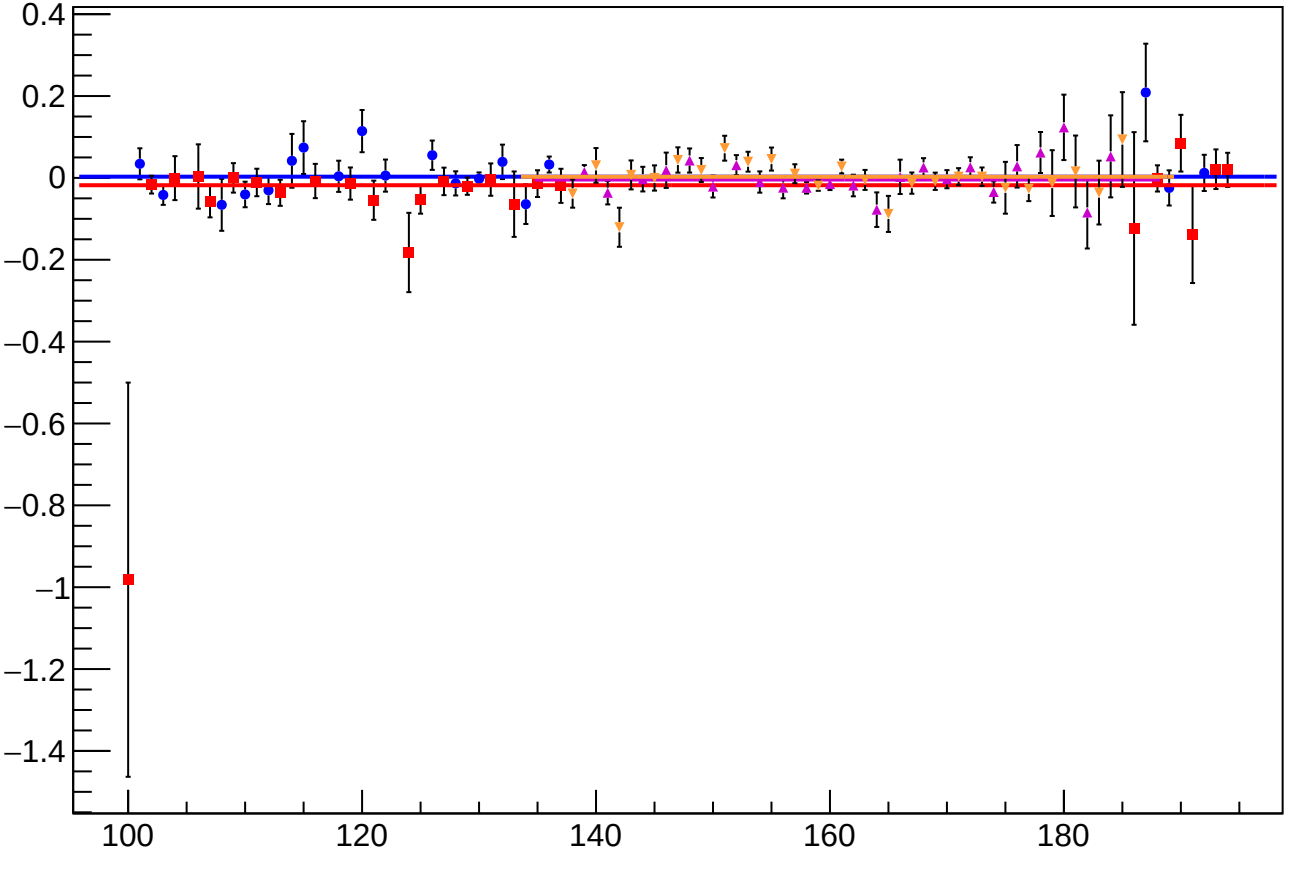
Right: 0.000+/-0.000 χ^2/NDF: 6234707.6/43

In: 0.000+/-0.000 χ^2/NDF:5659319.8/41

Out: 0.000+/-0.000 χ^2/NDF:6812666.5/49

All: 0.000+/-0.000 χ^2/NDF: 12542352.3/91

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 25.4/18

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.018+/-0.008 χ^2/NDF: 16.2/24

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

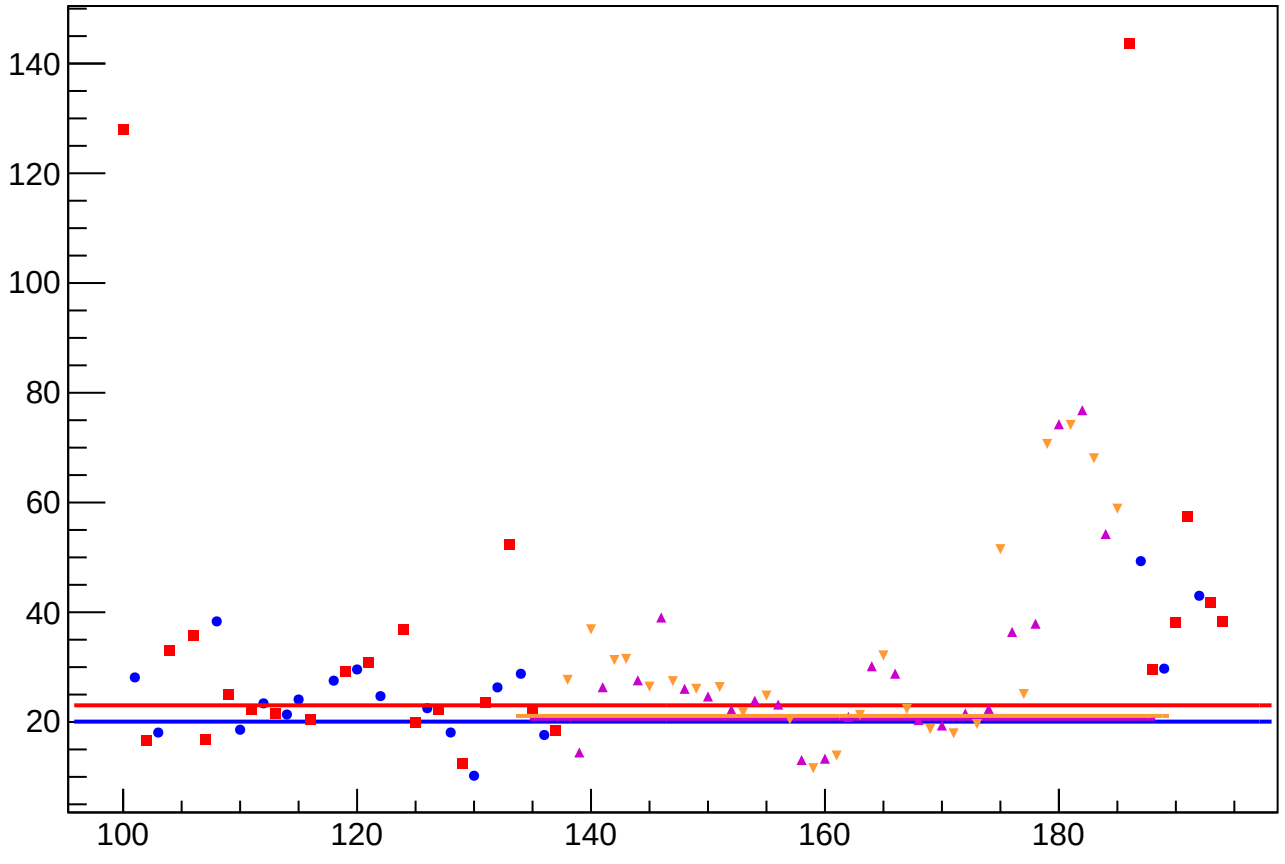
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: -0.007+/-0.005 χ^2/NDF: 45.3/43

In: -0.002+/-0.004 χ^2/NDF:50.5/41

Out: -0.004+/-0.004 χ^2/NDF:53.7/49

All: -0.003+/-0.003 χ^2/NDF: 104.4/91



Right In: 20.069+/-0.005 χ^2/NDF: 2193555.3/18

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 23.039+/-0.006 χ^2/NDF: 2873191.6/24

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

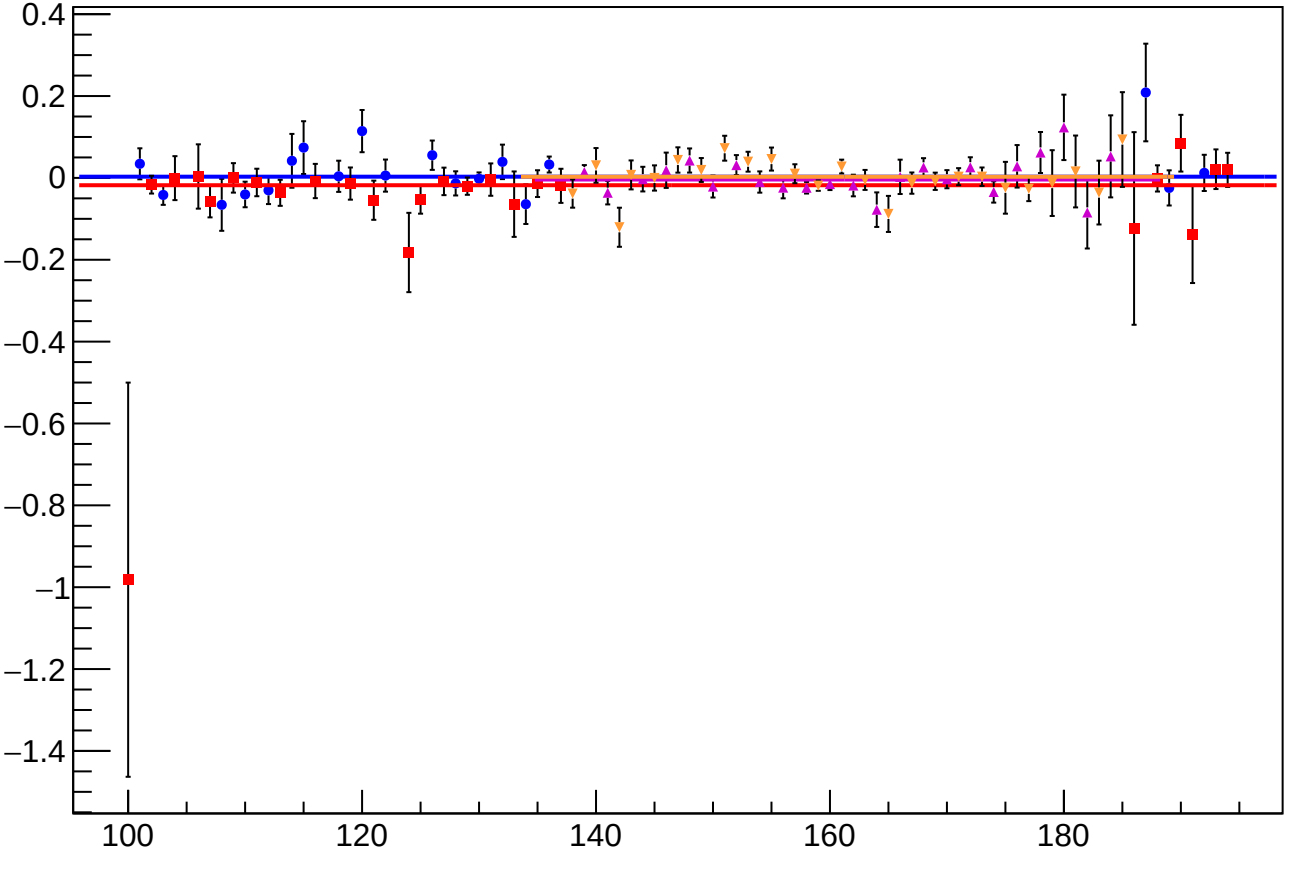
Right: 21.499+/-0.004 χ^2/NDF: 5215609.9/43

In: 20.413+/-0.003 χ^2/NDF:6799344.2/41

Out: 21.738+/-0.003 χ^2/NDF:8501441.2/49

All: 21.066+/-0.002 χ^2/NDF: 15389668.9/91

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 25.4/18

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.018+/-0.008 χ^2/NDF: 16.2/24

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

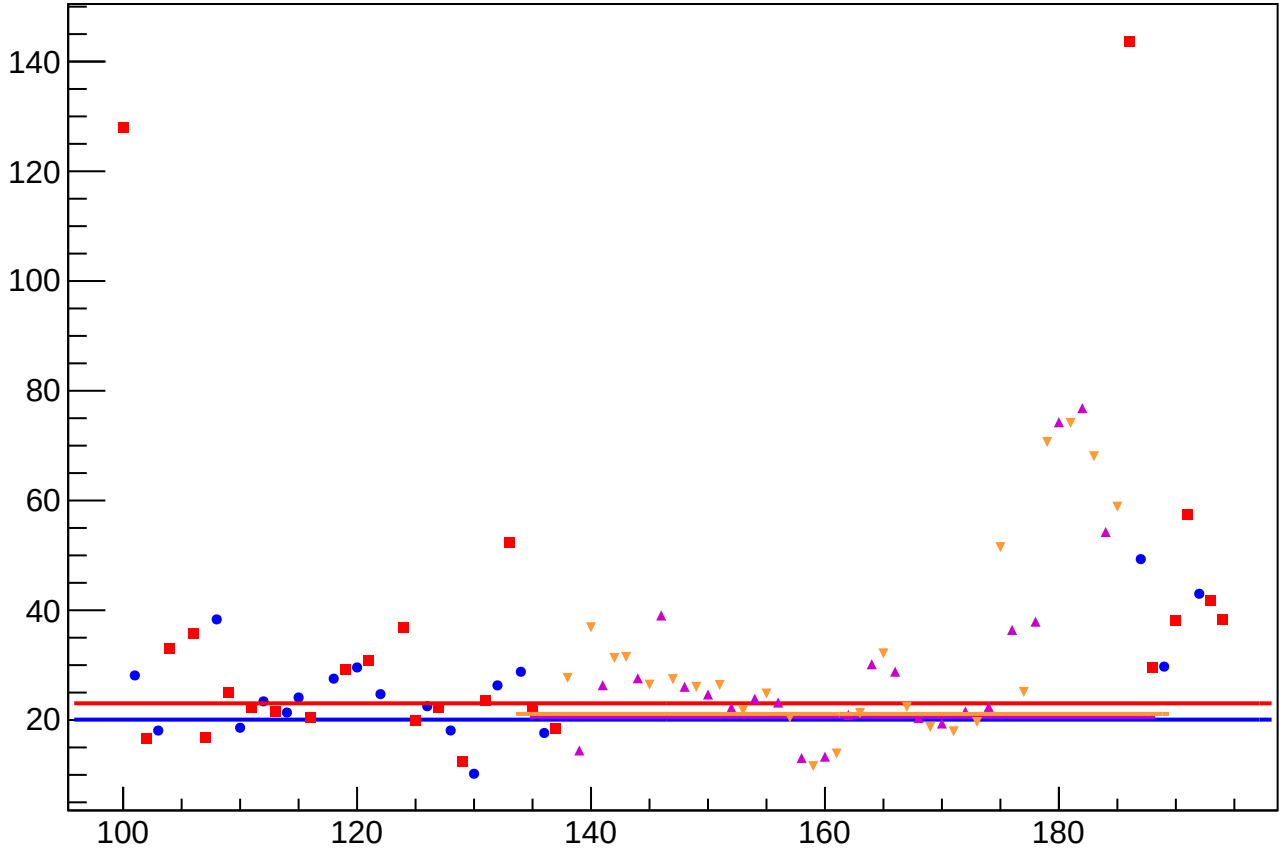
Right: -0.007+/-0.005 χ^2/NDF: 45.3/43

In: -0.002+/-0.004 χ^2/NDF:50.5/41

Out: -0.004+/-0.004 χ^2/NDF:53.7/49

All: -0.003+/-0.003 χ^2/NDF: 104.4/91

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.069+/-0.005 χ^2/NDF: 2193555.3/18

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 23.039+/-0.006 χ^2/NDF: 2873191.6/24

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

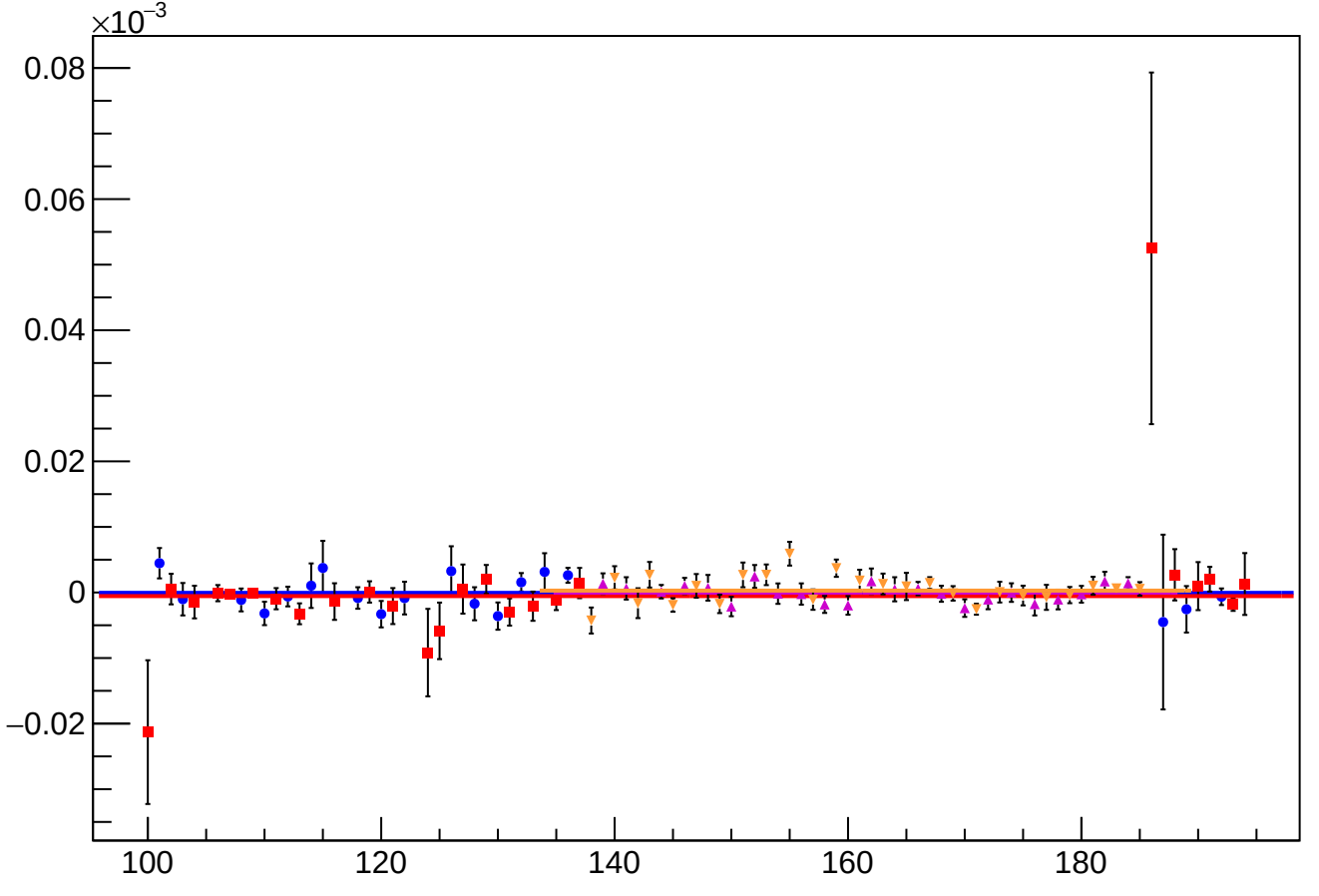
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 21.499+/-0.004 χ^2/NDF: 5215609.9/43

In: 20.413+/-0.003 χ^2/NDF:6799344.2/41

Out: 21.738+/-0.003 χ^2/NDF:8501441.2/49

All: 21.066+/-0.002 χ^2/NDF: 15389668.9/91



Right In: -0.000+/-0.000 χ^2/NDF: 24.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.1/24

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

Left: 0.000+/-0.000 χ^2/NDF: 73.0/47

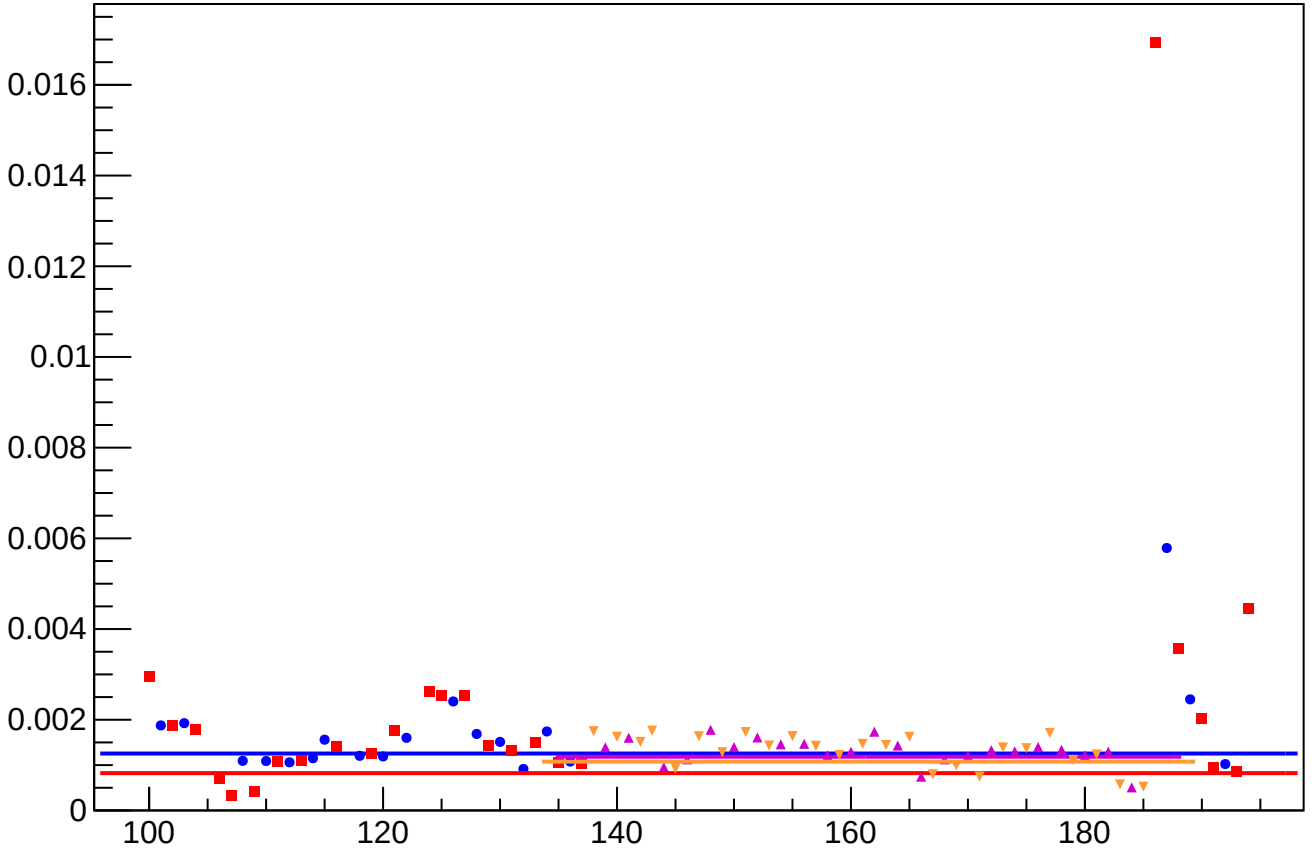
Right: -0.000+/-0.000 χ^2/NDF: 49.3/43

In: -0.000+/-0.000 χ^2/NDF:44.2/41

Out: -0.000+/-0.000 χ^2/NDF:80.9/49

All: -0.000+/-0.000 χ^2/NDF: 125.1/91

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 1433297.4/18

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7870578.8/24

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

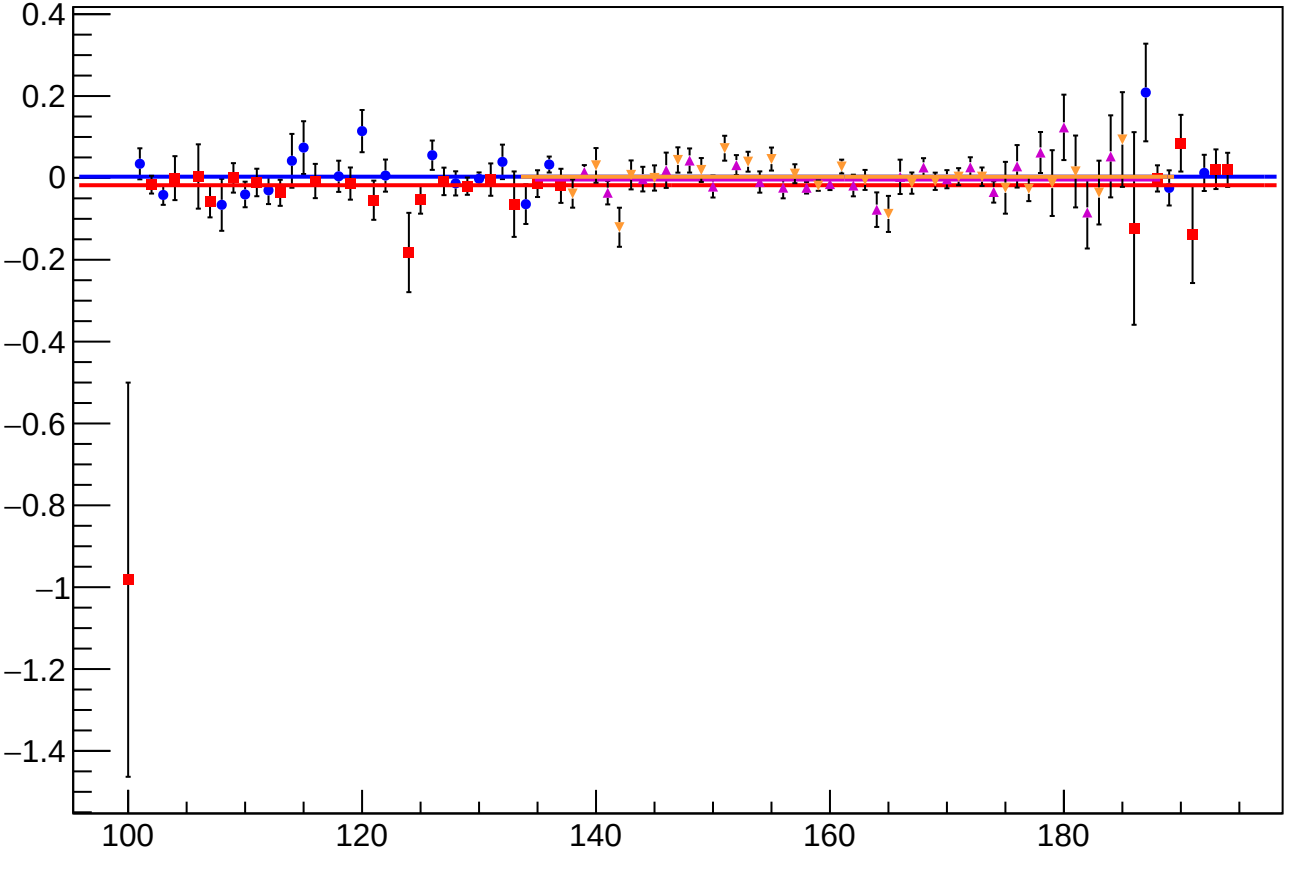
Right: 0.001+/-0.000 χ^2/NDF: 10543908.9/43

In: 0.001+/-0.000 χ^2/NDF:3924601.1/41

Out: 0.001+/-0.000 χ^2/NDF:13185914.1/49

All: 0.001+/-0.000 χ^2/NDF: 18204432.4/91

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 25.4/18

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.018+/-0.008 χ^2/NDF: 16.2/24

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

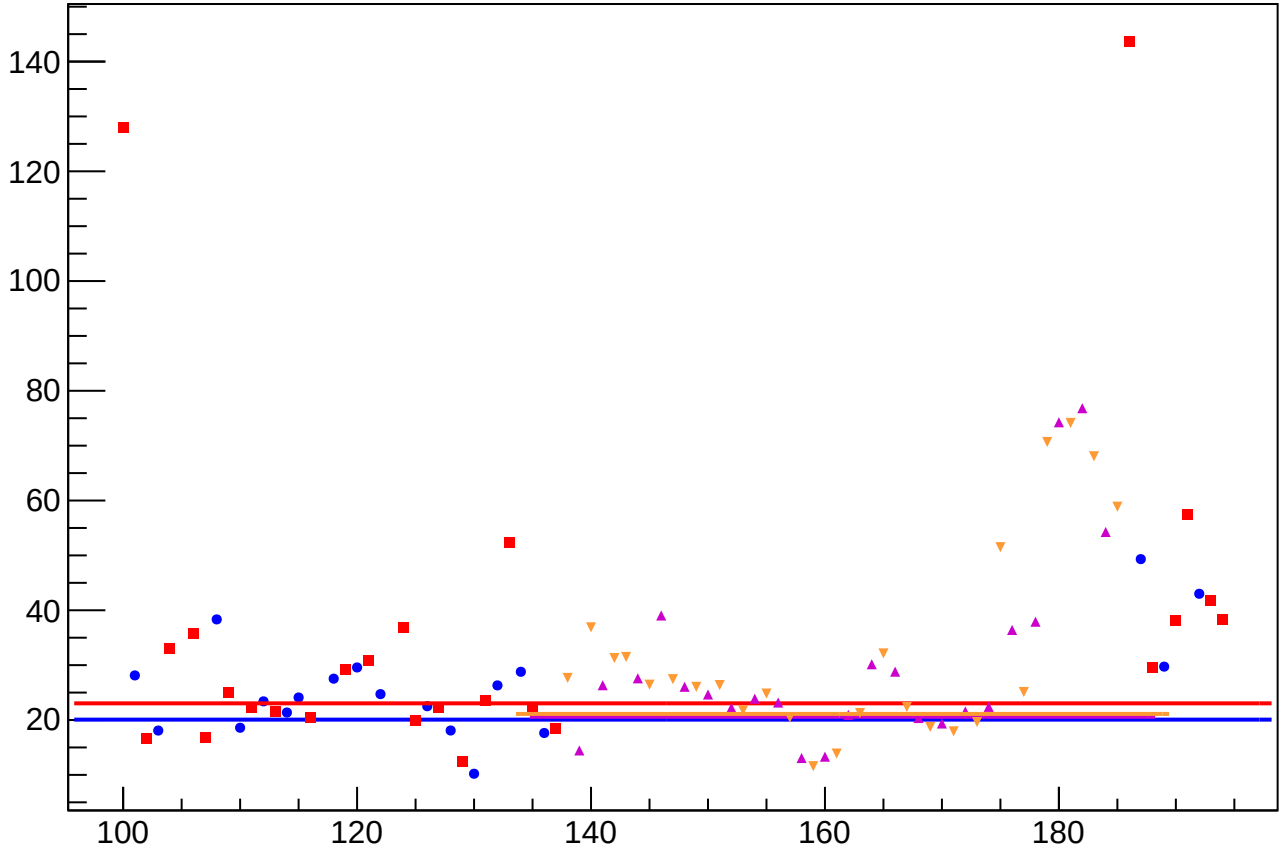
Right: -0.007+/-0.005 χ^2/NDF: 45.3/43

In: -0.002+/-0.004 χ^2/NDF:50.5/41

Out: -0.004+/-0.004 χ^2/NDF:53.7/49

All: -0.003+/-0.003 χ^2/NDF: 104.4/91

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.070+/-0.005 χ^2/NDF: 2193426.9/18

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 23.039+/-0.006 χ^2/NDF: 2873186.6/24

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

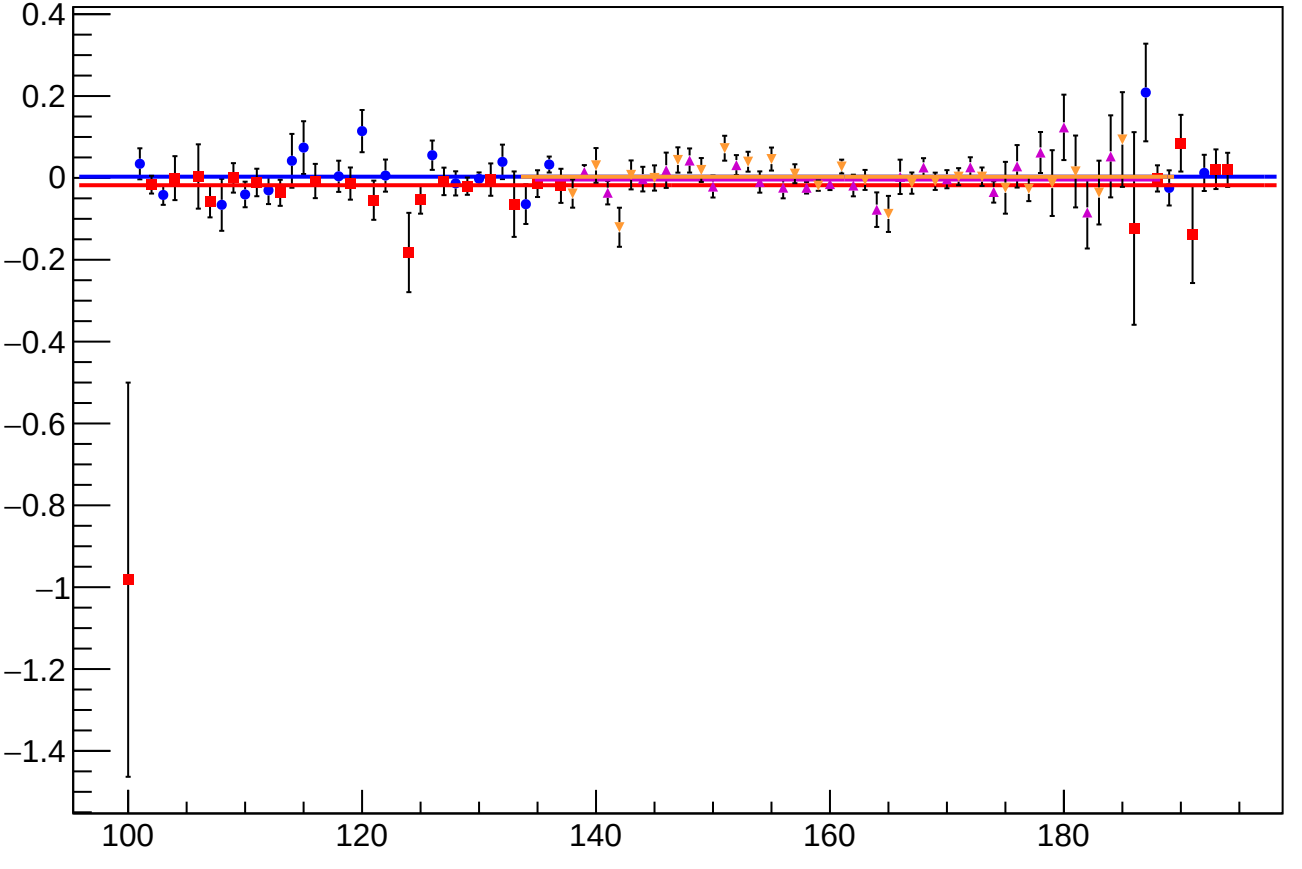
Right: 21.499+/-0.004 χ^2/NDF: 5215453.3/43

In: 20.414+/-0.003 χ^2/NDF:6799213.6/41

Out: 21.738+/-0.003 χ^2/NDF:8501584.5/49

All: 21.066+/-0.002 χ^2/NDF: 15389654.9/91

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 25.4/18

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.018+/-0.008 χ^2/NDF: 16.2/24

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

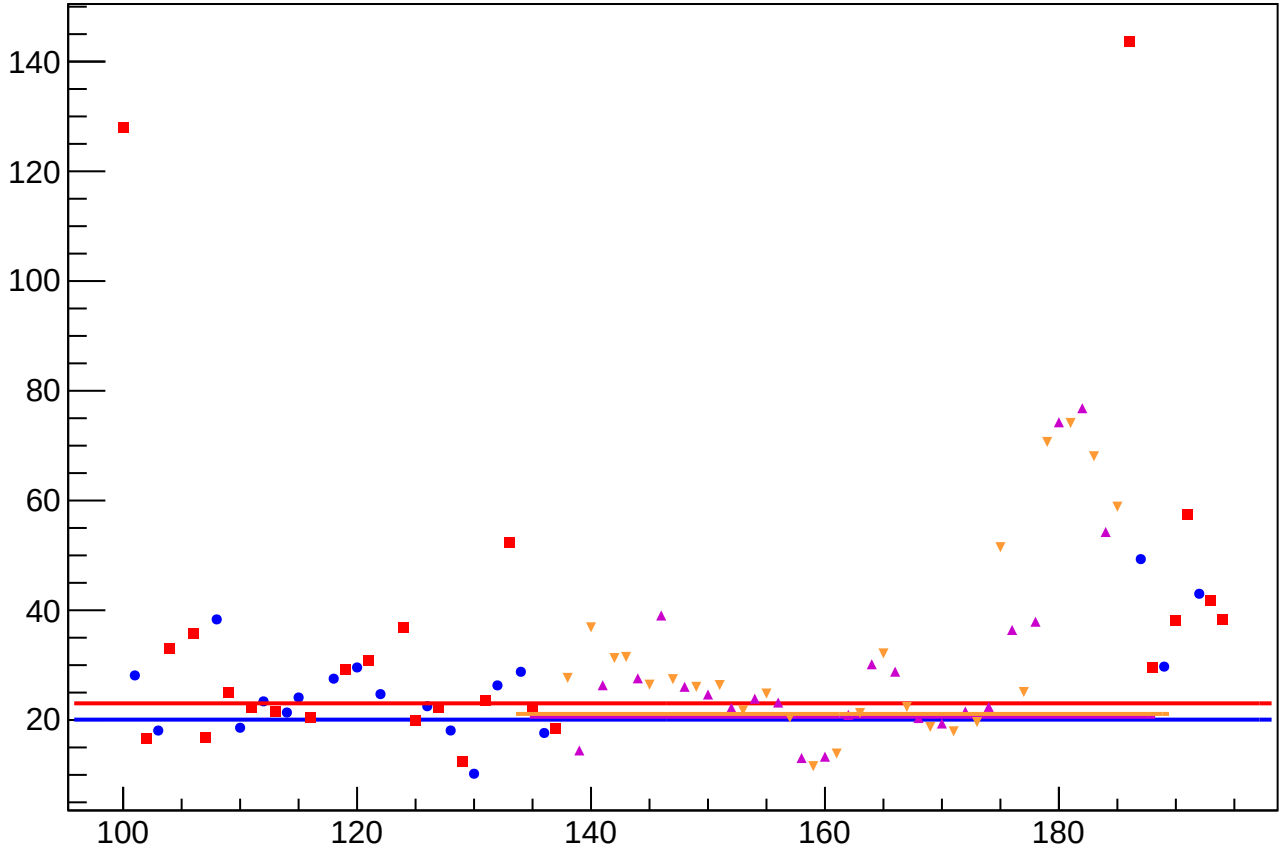
Right: -0.007+/-0.005 χ^2/NDF: 45.3/43

In: -0.002+/-0.004 χ^2/NDF:50.5/41

Out: -0.004+/-0.004 χ^2/NDF:53.7/49

All: -0.003+/-0.003 χ^2/NDF: 104.4/91

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.070+/-0.005 χ^2/NDF: 2193426.9/18

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 23.039+/-0.006 χ^2/NDF: 2873186.6/24

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

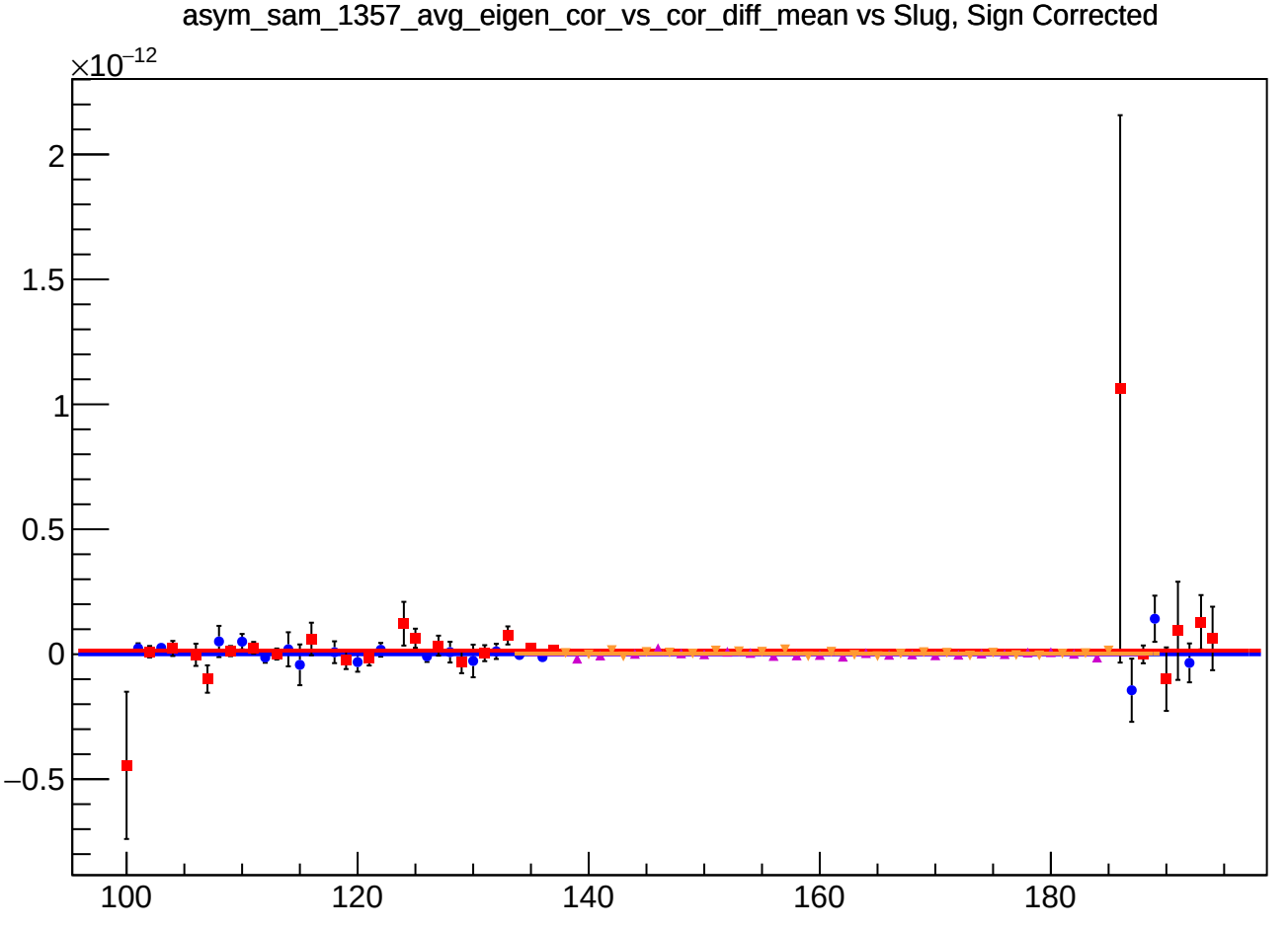
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 21.499+/-0.004 χ^2/NDF: 5215453.3/43

In: 20.414+/-0.003 χ^2/NDF:6799213.6/41

Out: 21.738+/-0.003 χ^2/NDF:8501584.5/49

All: 21.066+/-0.002 χ^2/NDF: 15389654.9/91



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/24

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

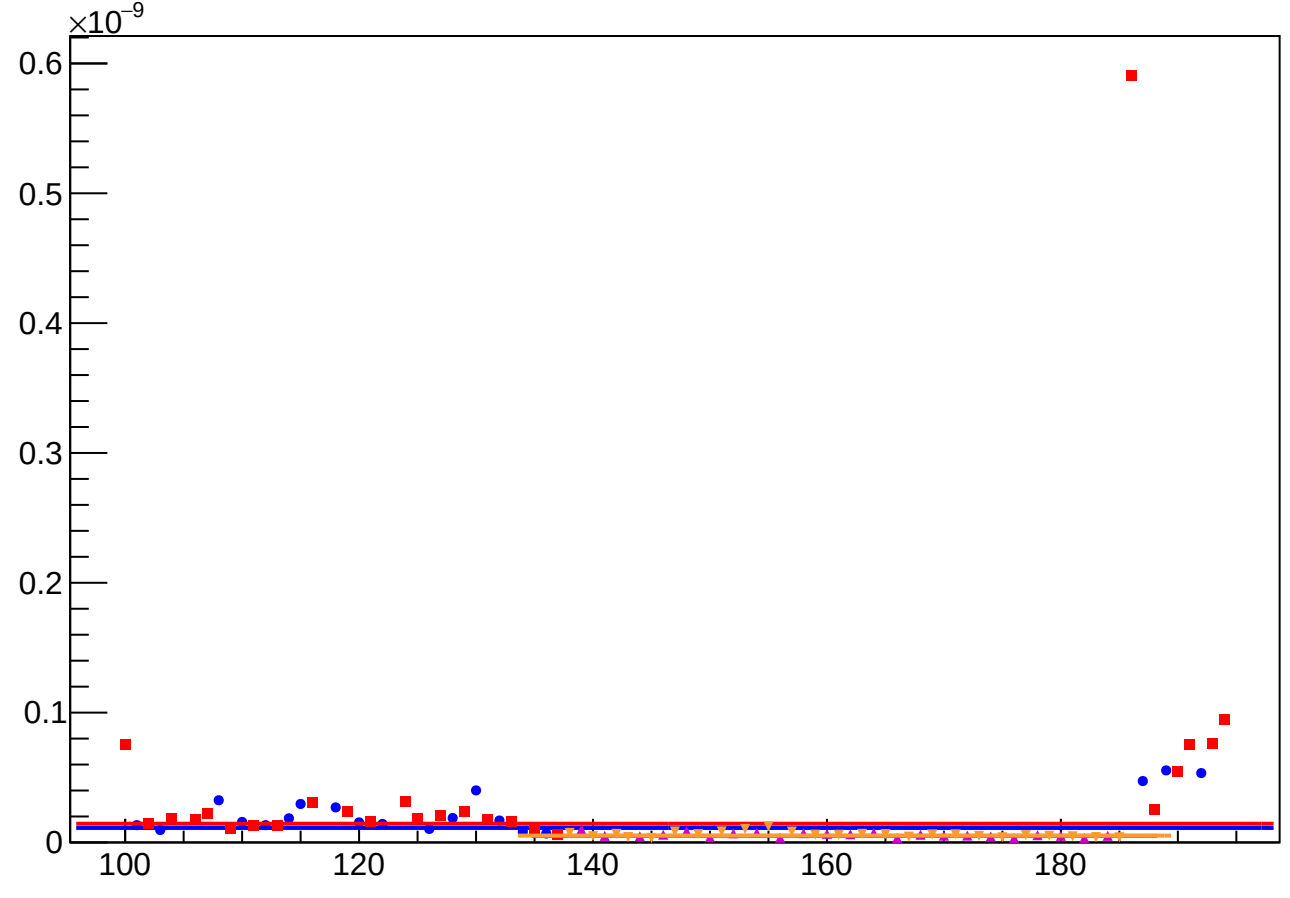
Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

Right: 0.000+/-0.000 χ^2/NDF: 38.3/43

In: 0.000+/-0.000 χ^2/NDF:35.8/41

Out: 0.000+/-0.000 χ^2/NDF:44.8/49

All: 0.000+/-0.000 χ^2/NDF: 82.1/91



Right In: 0.000+/-0.000 χ^2/NDF: 3062961.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4020830.3/24

Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

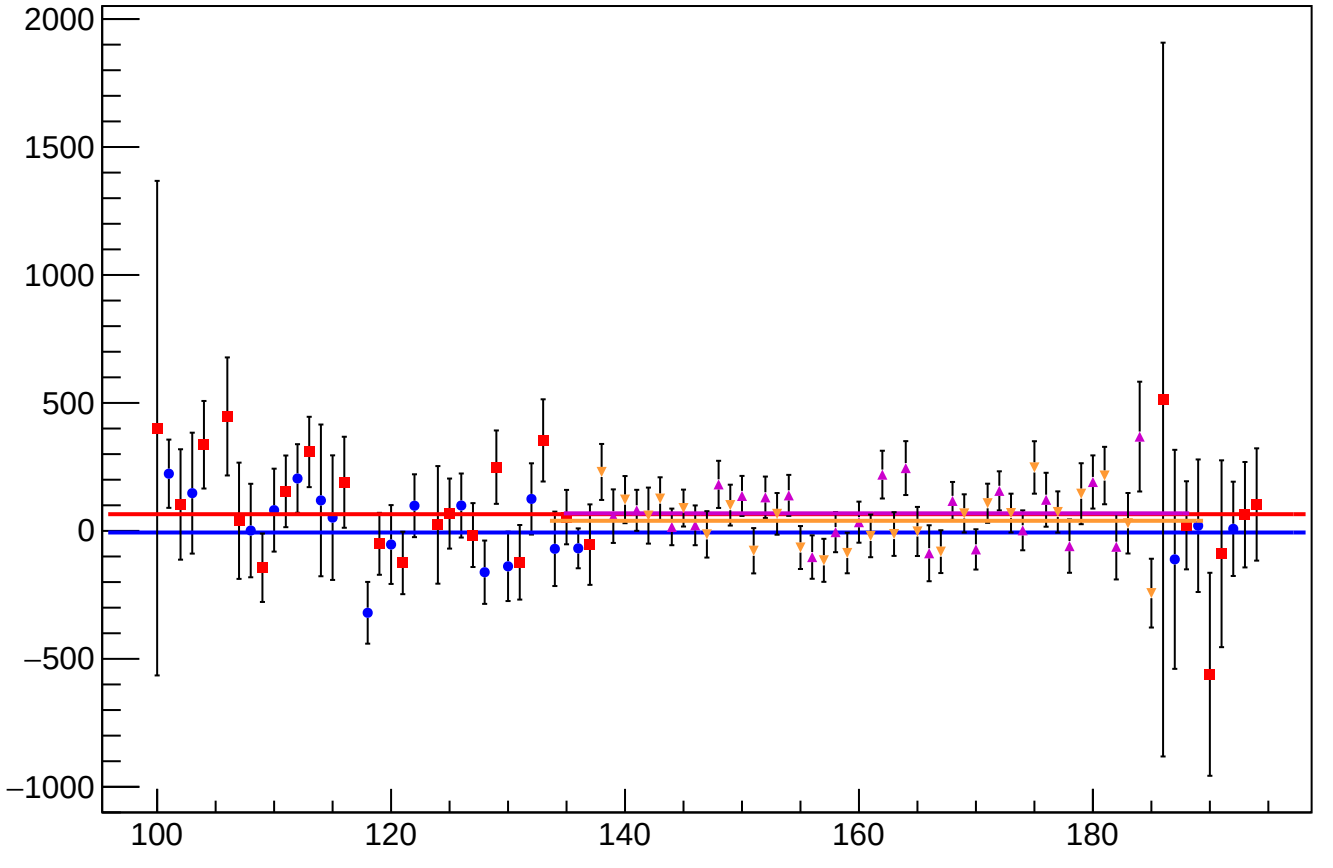
Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

Right: 0.000+/-0.000 χ^2/NDF: 7377744.8/43

In: 0.000+/-0.000 χ^2/NDF:6984250.3/41

Out: 0.000+/-0.000 χ^2/NDF:9952623.7/49

All: 0.000+/-0.000 χ^2/NDF: 16965089.5/91



Right In: -6.273+/-33.324 χ^2/NDF: 19.0/18

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: 65.271+/-33.072 χ^2/NDF: 25.7/24

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

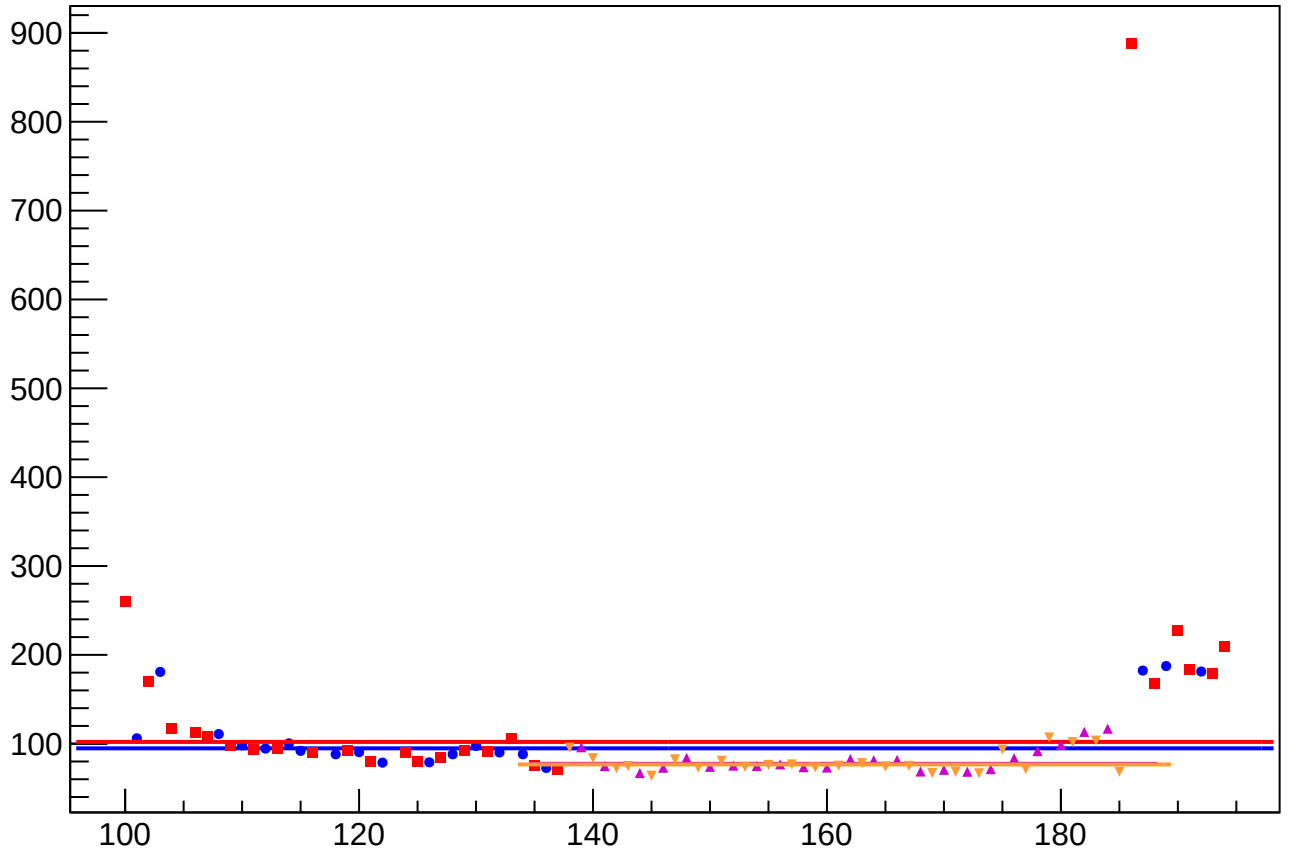
Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

Right: 29.771+/-23.474 χ^2/NDF: 47.0/43

In: 51.242+/-16.052 χ^2/NDF:51.9/41

Out: 45.203+/-15.582 χ^2/NDF:58.1/49

All: 48.133+/-11.181 χ^2/NDF: 110.1/91



Right In: 94.784+/-0.024 χ^2/NDF: 1324022.8/18

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

Right Out: 102.019+/-0.023 χ^2/NDF: 2695169.6/24

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

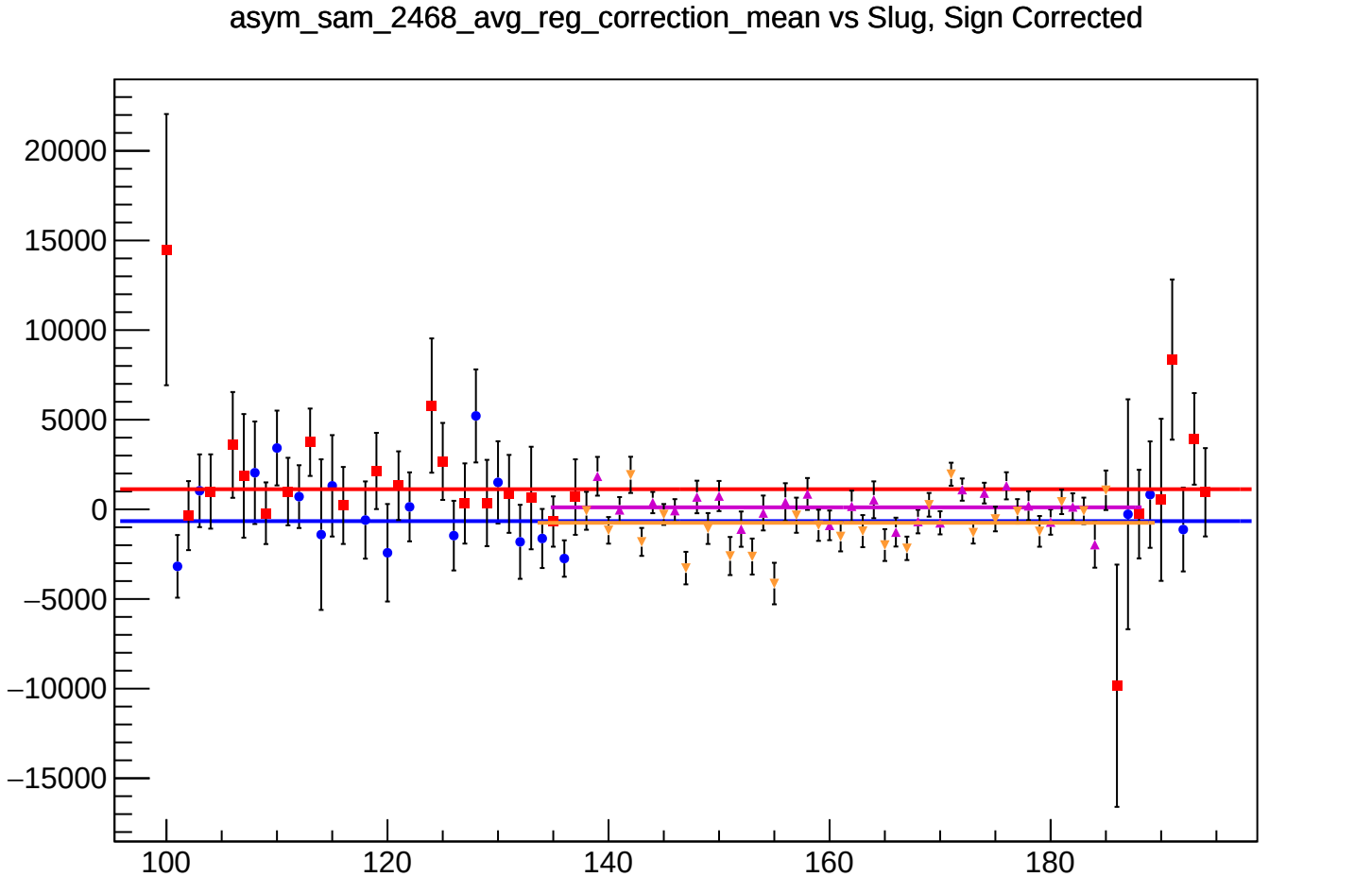
Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

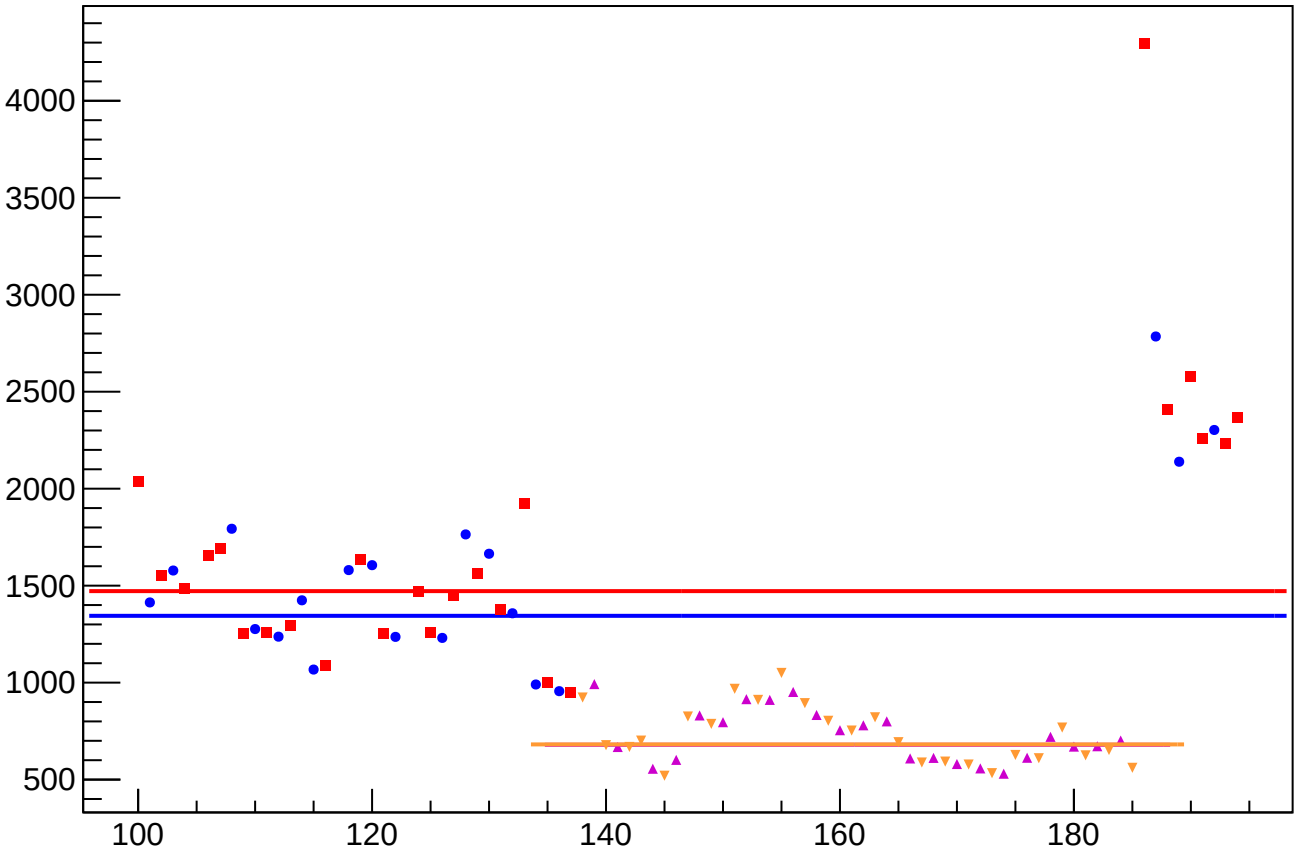
Right: 98.429+/-0.017 χ^2/NDF: 4066683.7/43

In: 81.394+/-0.011 χ^2/NDF:2334909.7/41

Out: 82.279+/-0.011 χ^2/NDF:4265599.0/49

All: 81.850+/-0.008 χ^2/NDF: 6603638.9/91


asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
Right In: -655.767+/-469.007 χ²/NDF: 20.6/18
Left Out: -749.641+/-158.081 χ²/NDF:70.0/24
Right Out: 1124.752+/-463.161 χ²/NDF: 18.3/24
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.982+/-113.075 χ²/NDF: 109.6/47
Right: 245.659+/-329.552 χ²/NDF: 46.1/43
In: 31.943+/-152.962 χ²/NDF:48.0/41
Out: -554.071+/-149.607 χ²/NDF:102.9/49
All: -267.561+/-106.954 χ²/NDF: 158.4/91



Right In: 1344.431+/-0.332 χ^2/NDF: 1220322.8/18

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1471.810+/-0.328 χ^2/NDF: 1891968.0/24

Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

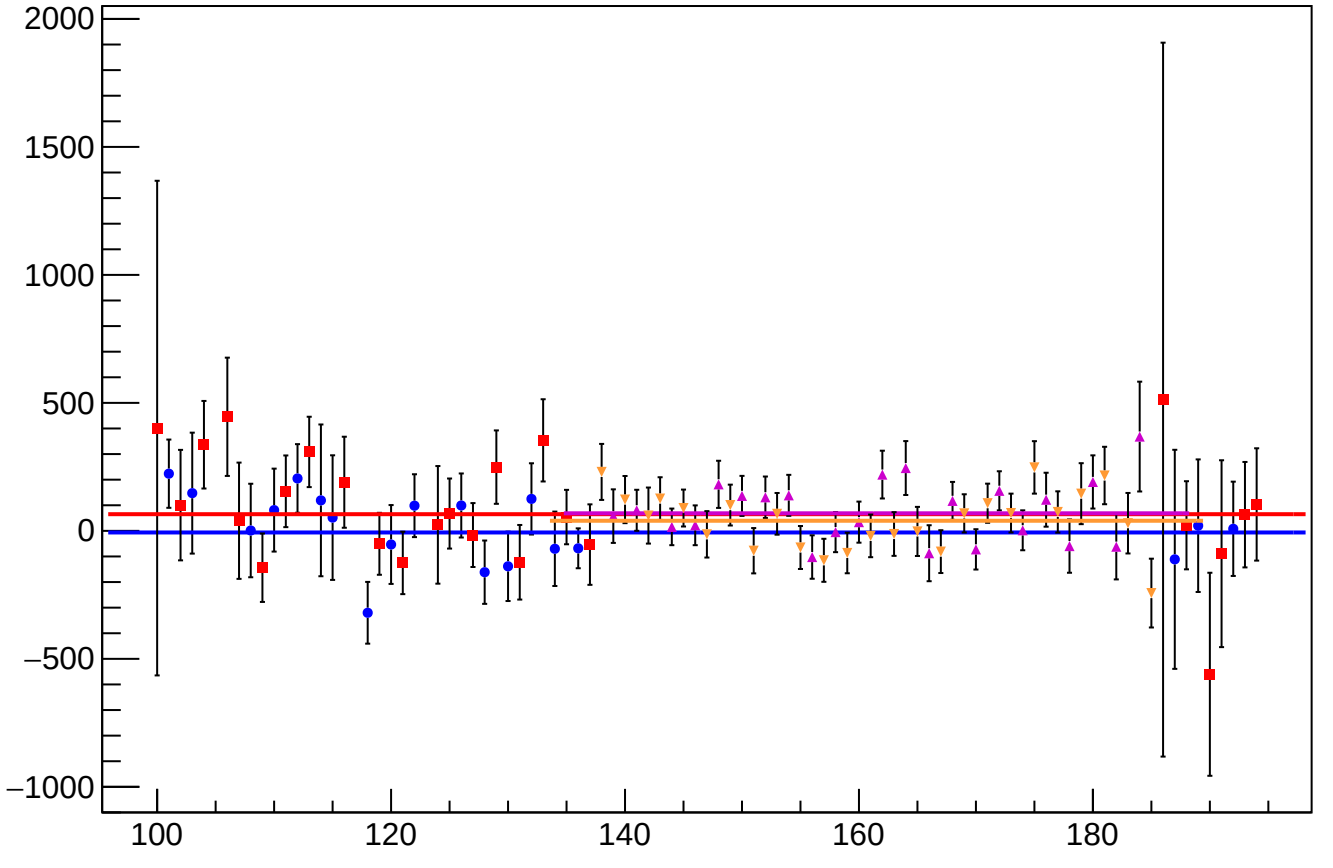
Left: 680.443+/-0.080 χ^2/NDF: 2519638.8/47

Right: 1408.919+/-0.233 χ^2/NDF: 3186978.5/43

In: 750.149+/-0.108 χ^2/NDF:5998915.0/41

Out: 763.893+/-0.106 χ^2/NDF:8442767.7/49

All: 757.174+/-0.076 χ^2/NDF: 14449935.1/91



Right In: -6.282+/-33.324 χ^2/NDF: 19.0/18

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 65.141+/-33.074 χ^2/NDF: 25.7/24

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

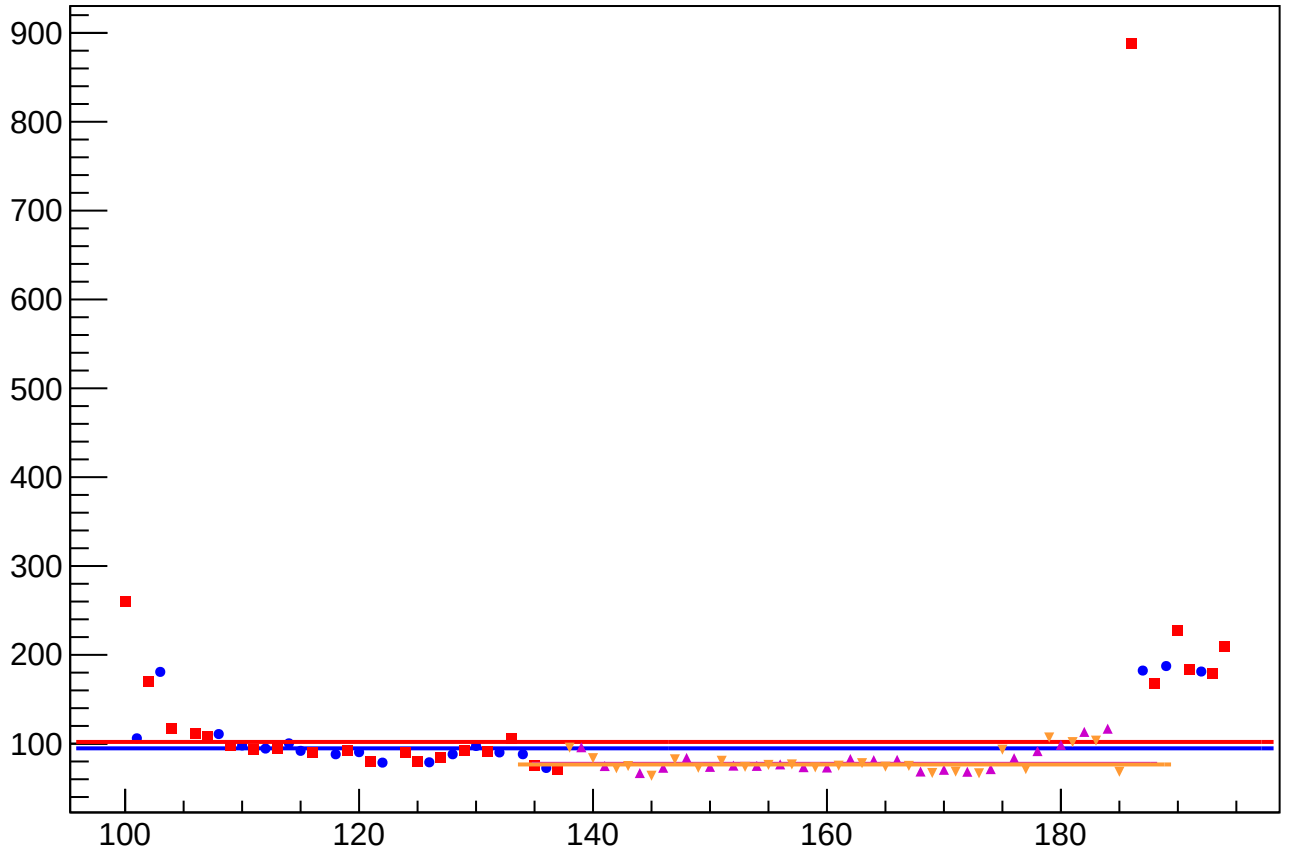
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 29.699+/-23.475 χ^2/NDF: 47.0/43

In: 51.240+/-16.052 χ^2/NDF:51.9/41

Out: 45.180+/-15.582 χ^2/NDF:58.1/49

All: 48.120+/-11.181 χ^2/NDF: 110.0/91



Right In: 94.784+/-0.024 χ^2/NDF: 1324026.4/18

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 101.991+/-0.023 χ^2/NDF: 2694416.7/24

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

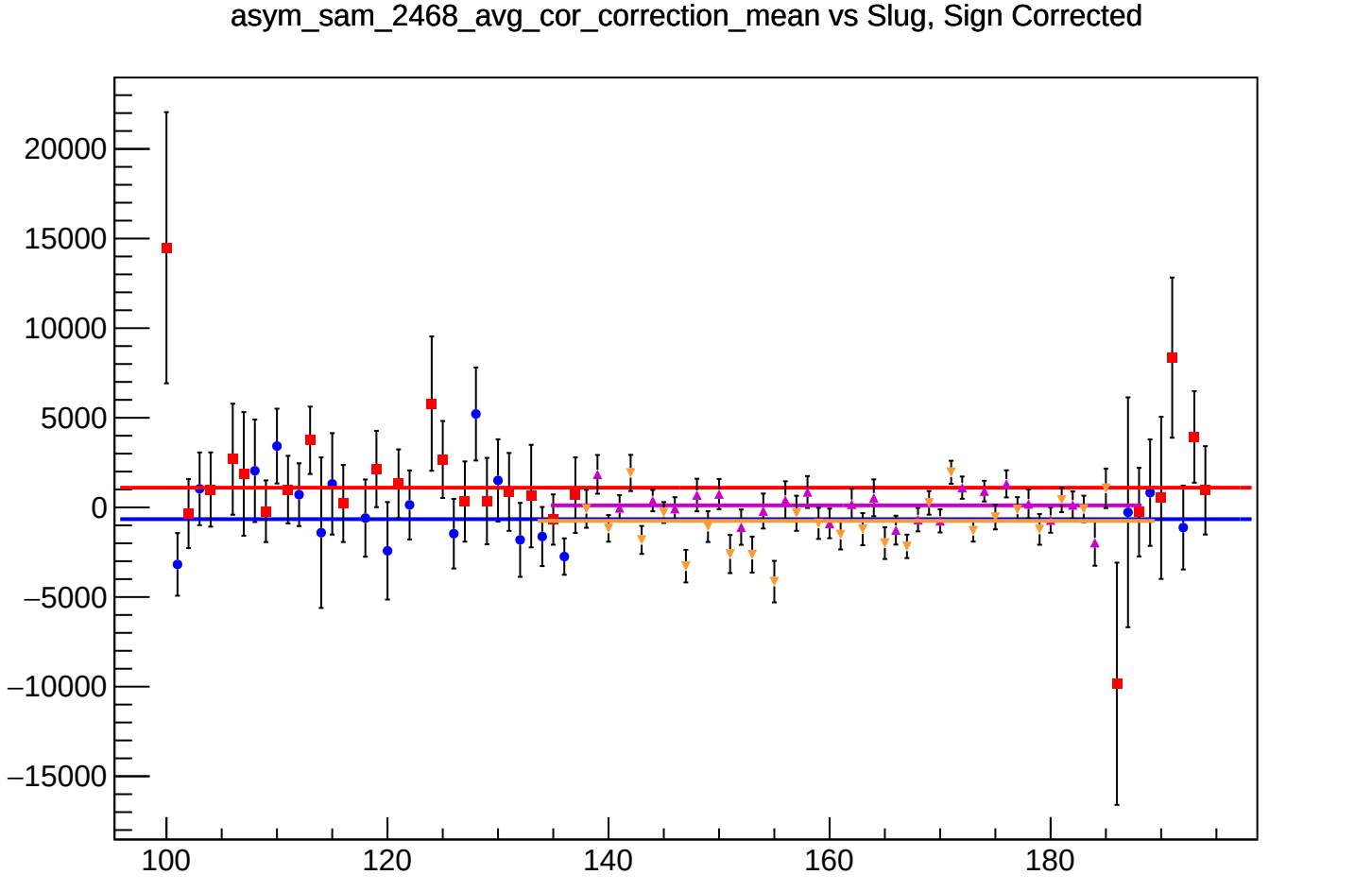
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

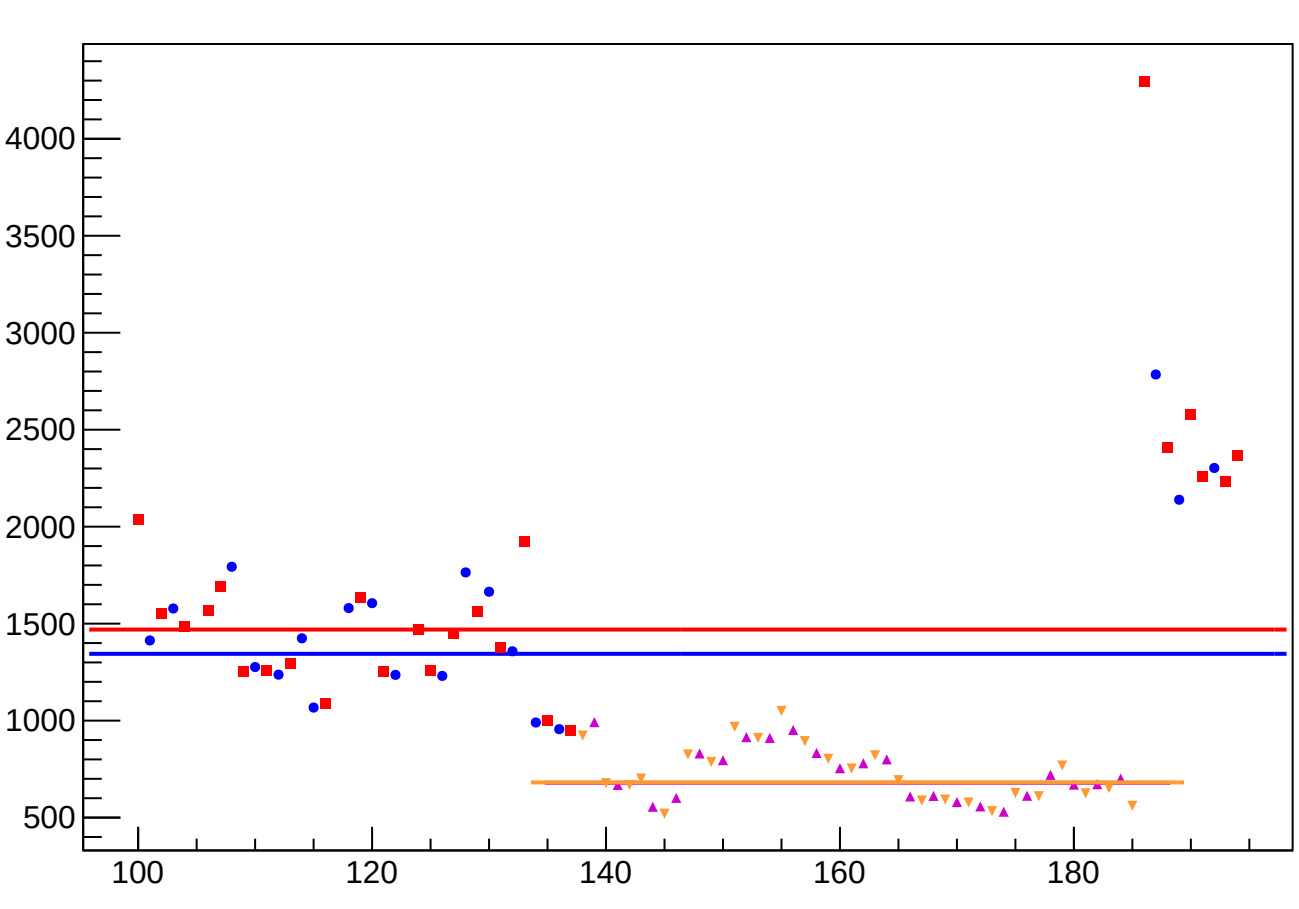
Right: 98.415+/-0.017 χ^2/NDF: 4065570.5/43

In: 81.394+/-0.011 χ^2/NDF:2334913.3/41

Out: 82.272+/-0.011 χ^2/NDF:4262784.2/49

All: 81.846+/-0.008 χ^2/NDF: 6600781.4/91


asym_sam_2468_avg_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
Right In: -655.732+/-469.009 χ²/NDF: 20.6/18
Left Out: -749.632+/-158.081 χ²/NDF:70.0/24
Right Out: 1099.343+/-463.703 χ²/NDF: 17.8/24
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.978+/-113.075 χ²/NDF: 109.6/47
Right: 231.789+/-329.747 χ²/NDF: 45.5/43
In: 31.947+/-152.962 χ²/NDF:48.0/41
Out: -557.119+/-149.625 χ²/NDF:102.0/49
All: -269.080+/-106.961 χ²/NDF: 157.6/91



Right In: 1344.434+/-0.332 χ^2/NDF: 1220346.3/18

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1469.509+/-0.328 χ^2/NDF: 1886244.8/24

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

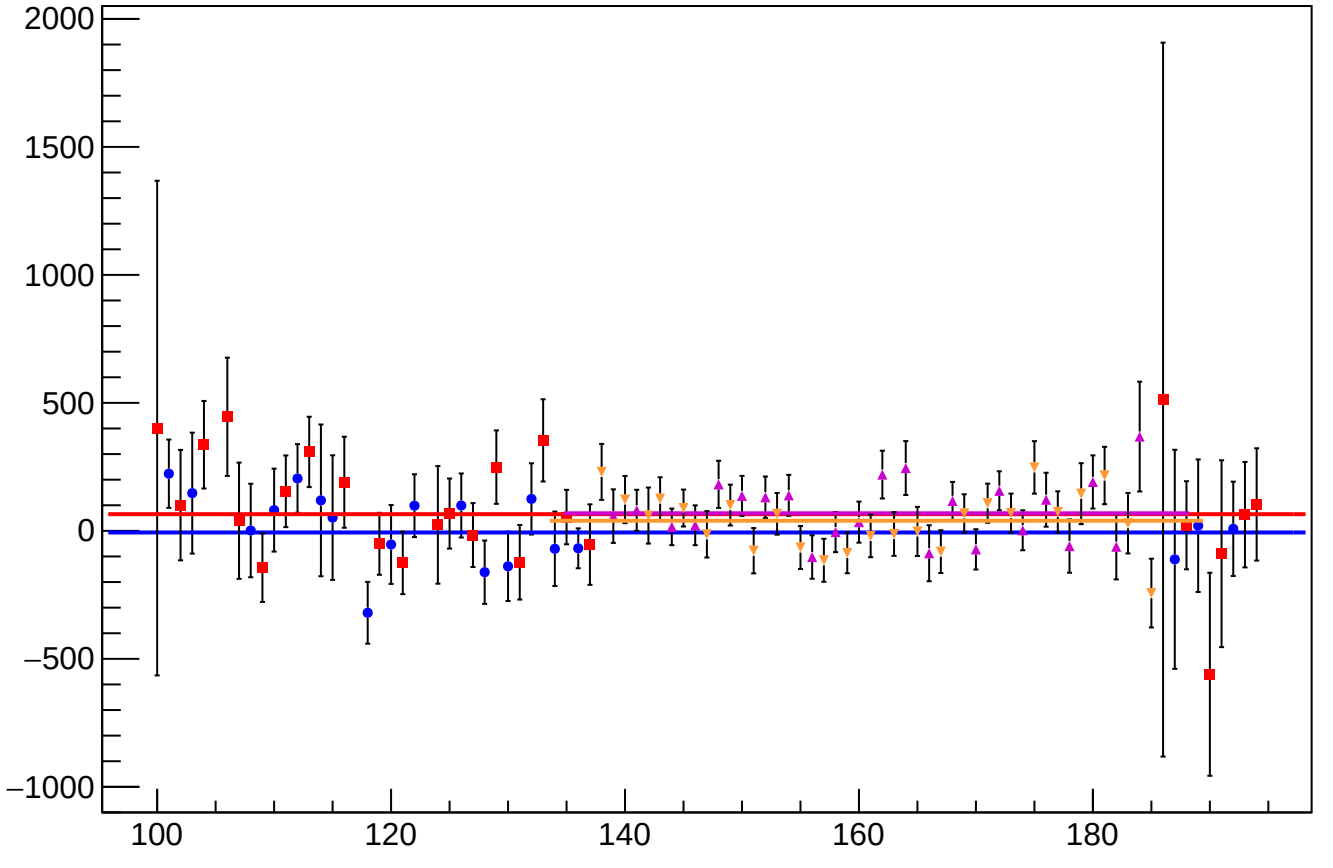
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1407.683+/-0.233 χ^2/NDF: 3178518.0/43

In: 750.149+/-0.108 χ^2/NDF:5998949.7/41

Out: 763.481+/-0.106 χ^2/NDF:8395868.3/49

All: 756.962+/-0.076 χ^2/NDF: 14402581.5/91



Right In: -6.282+/-33.324 χ^2/NDF: 19.0/18

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 65.141+/-33.074 χ^2/NDF: 25.7/24

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

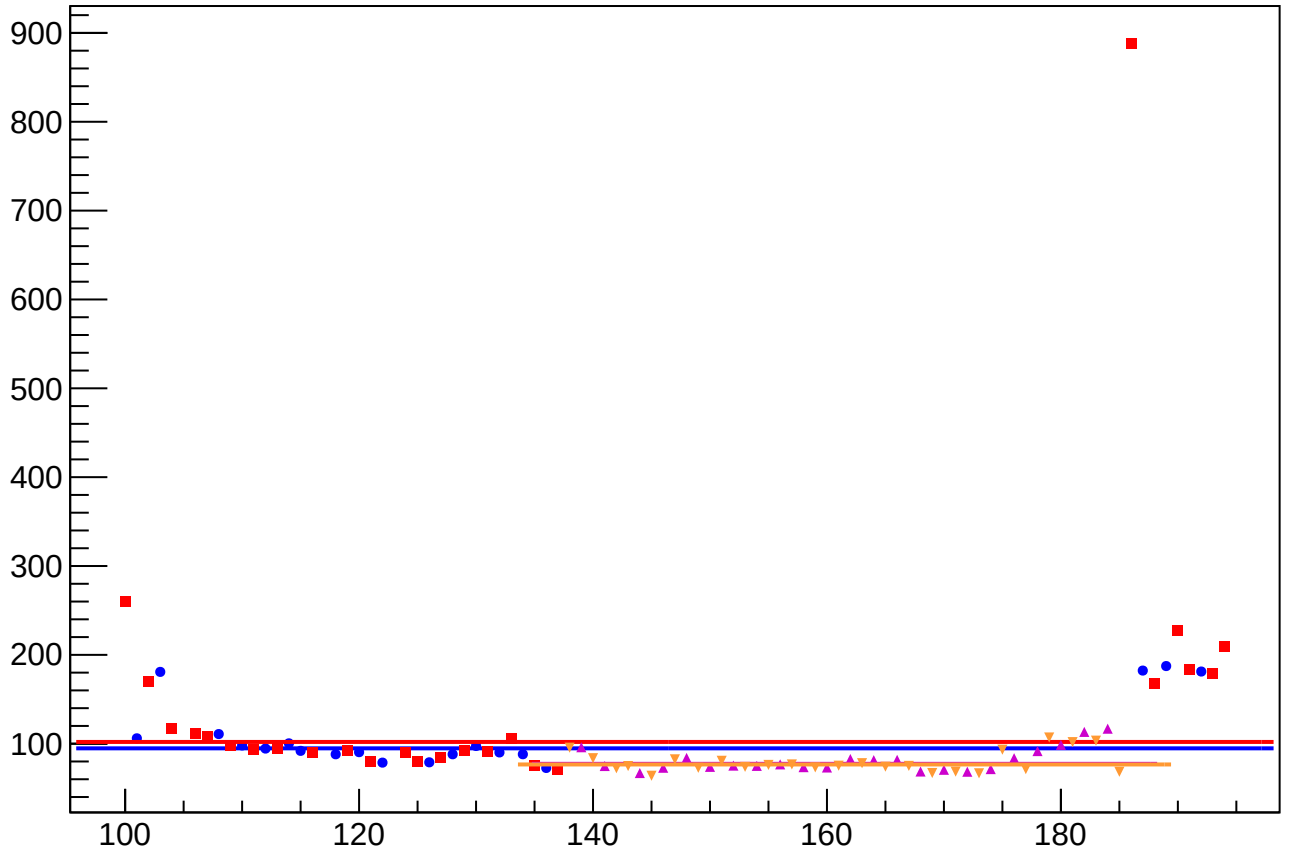
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 29.699+/-23.475 χ^2/NDF: 47.0/43

In: 51.240+/-16.052 χ^2/NDF:51.9/41

Out: 45.180+/-15.582 χ^2/NDF:58.1/49

All: 48.120+/-11.181 χ^2/NDF: 110.0/91



Right In: 94.784+/-0.024 χ^2/NDF: 1324026.4/18

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 101.991+/-0.023 χ^2/NDF: 2694416.7/24

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

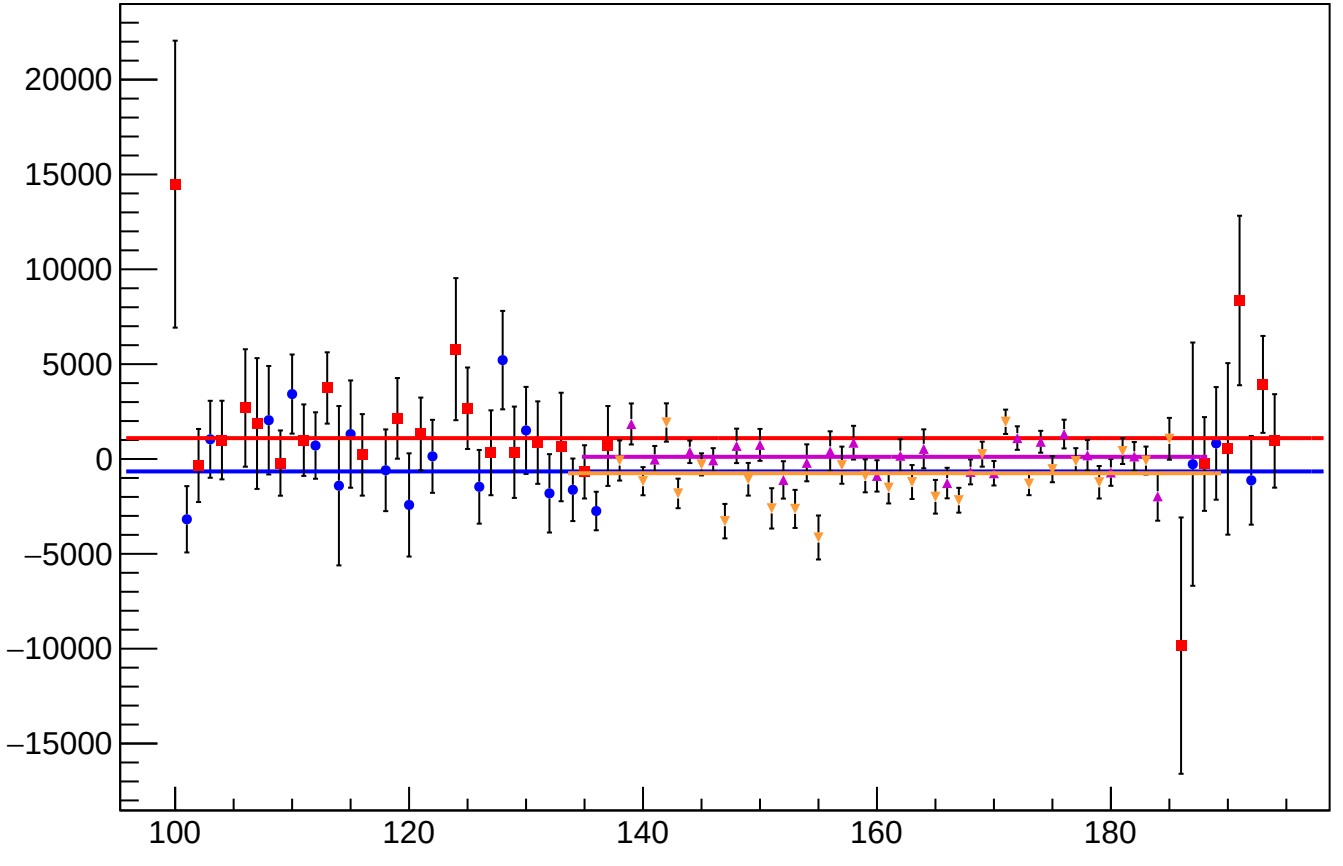
Right: 98.415+/-0.017 χ^2/NDF: 4065570.5/43

In: 81.394+/-0.011 χ^2/NDF:2334913.3/41

Out: 82.272+/-0.011 χ^2/NDF:4262784.2/49

All: 81.846+/-0.008 χ^2/NDF: 6600781.4/91

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -655.732+/-469.009 χ^2/NDF: 20.6/18

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 1099.343+/-463.703 χ^2/NDF: 17.8/24

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

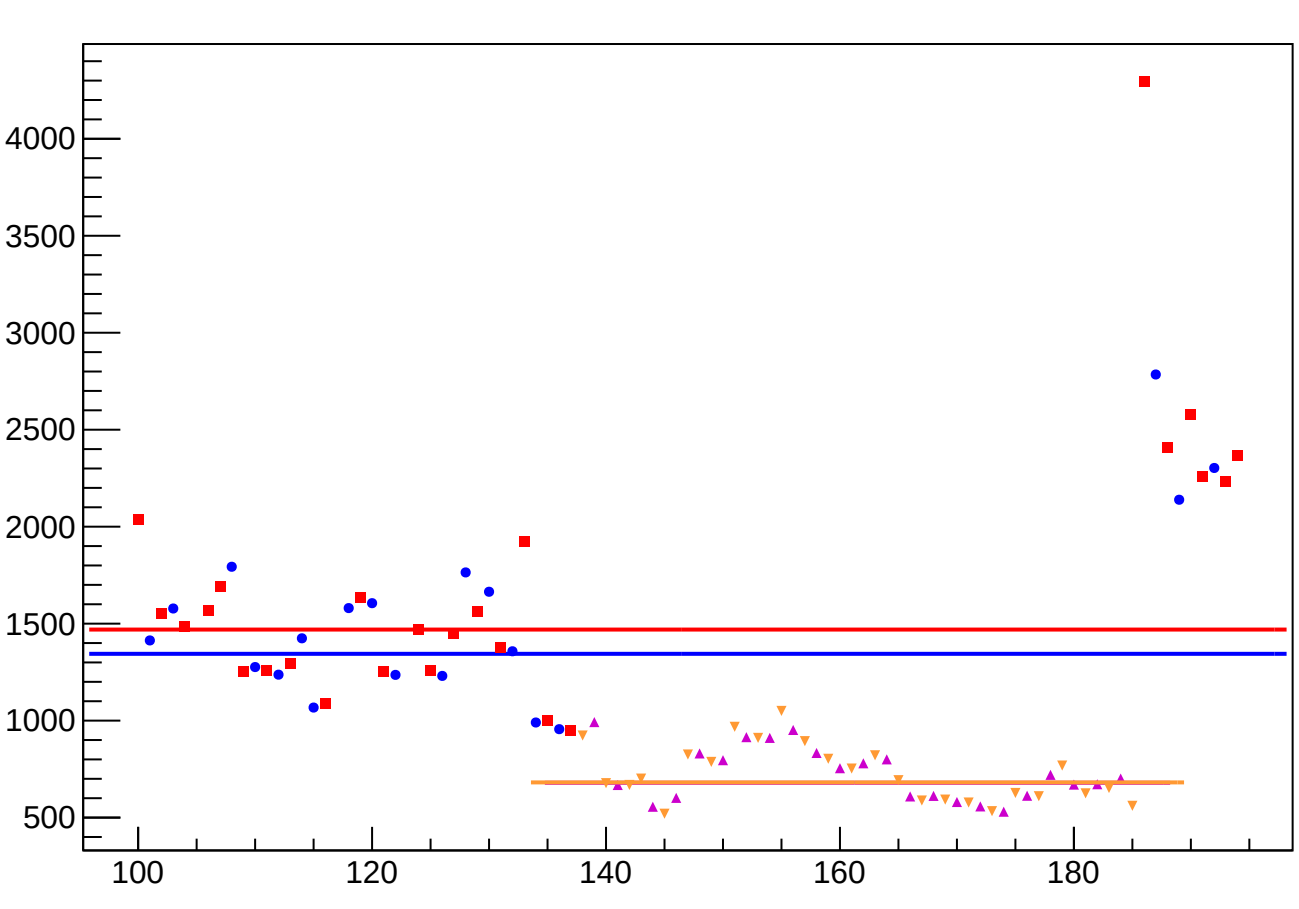
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 231.789+/-329.747 χ^2/NDF: 45.5/43

In: 31.947+/-152.962 χ^2/NDF:48.0/41

Out: -557.119+/-149.625 χ^2/NDF:102.0/49

All: -269.080+/-106.961 χ^2/NDF: 157.6/91



Right In: 1344.434+/-0.332 χ^2/NDF: 1220346.3/18

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1469.509+/-0.328 χ^2/NDF: 1886244.8/24

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

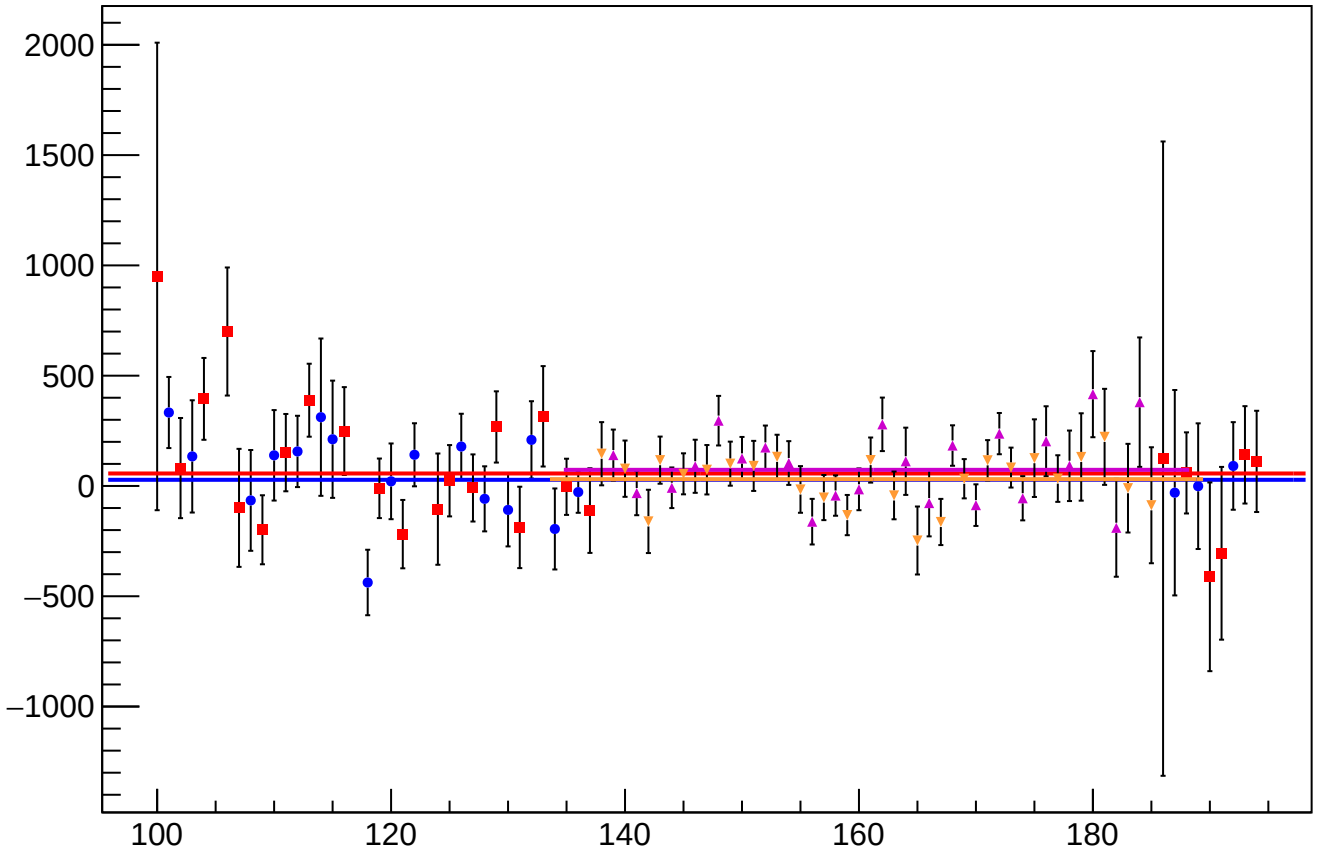
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1407.683+/-0.233 χ^2/NDF: 3178518.0/43

In: 750.149+/-0.108 χ^2/NDF:5998949.7/41

Out: 763.481+/-0.106 χ^2/NDF:8395868.3/49

All: 756.962+/-0.076 χ^2/NDF: 14402581.5/91



Right In: 27.897+/-39.814 χ^2/NDF: 21.5/18

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 56.604+/-38.884 χ^2/NDF: 29.3/24

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

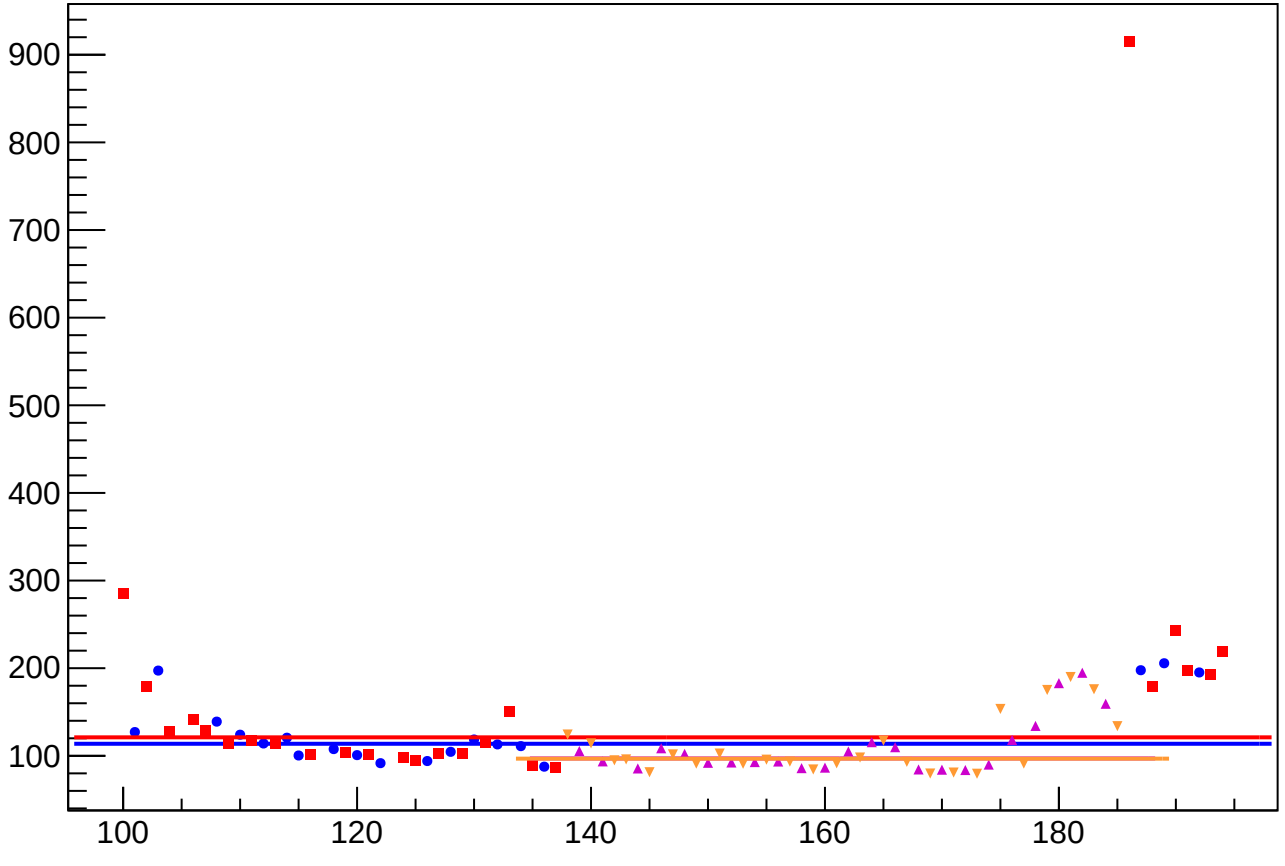
Right: 42.590+/-27.818 χ^2/NDF: 51.0/43

In: 61.448+/-20.244 χ^2/NDF:57.0/41

Out: 37.340+/-19.704 χ^2/NDF:49.5/49

All: 49.068+/-14.120 χ^2/NDF: 107.2/91

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 113.768+/-0.028 χ^2/NDF: 1135753.3/18

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 121.109+/-0.027 χ^2/NDF: 2264163.3/24

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

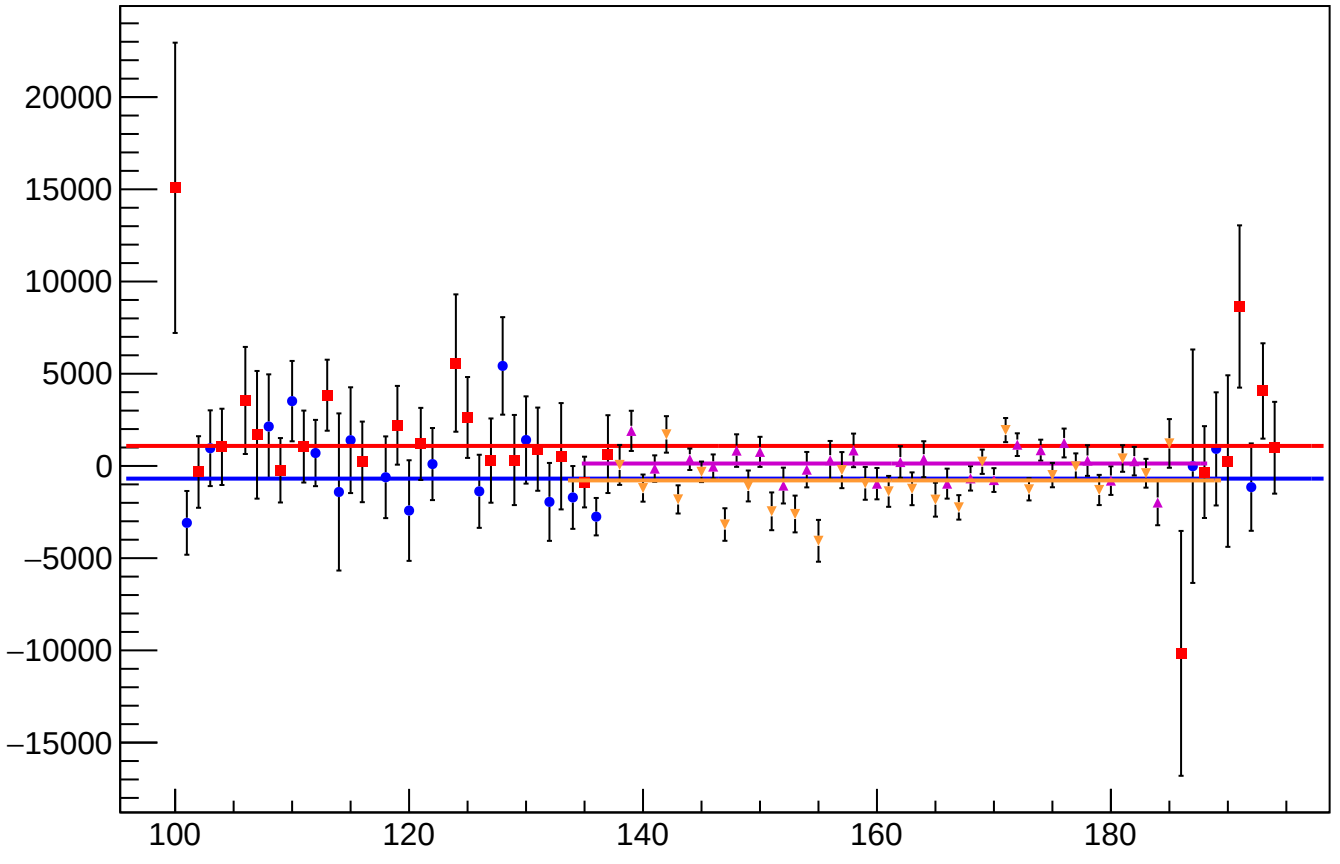
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

Right: 117.525+/-0.020 χ^2/NDF: 3434709.4/43

In: 101.348+/-0.014 χ^2/NDF:2719466.1/41

Out: 103.038+/-0.014 χ^2/NDF:4565782.9/49

All: 102.216+/-0.010 χ^2/NDF: 7292408.1/91



Right In: -687.081+/-475.674 χ^2/NDF: 20.4/18

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: 1085.676+/-467.725 χ^2/NDF: 19.3/24

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

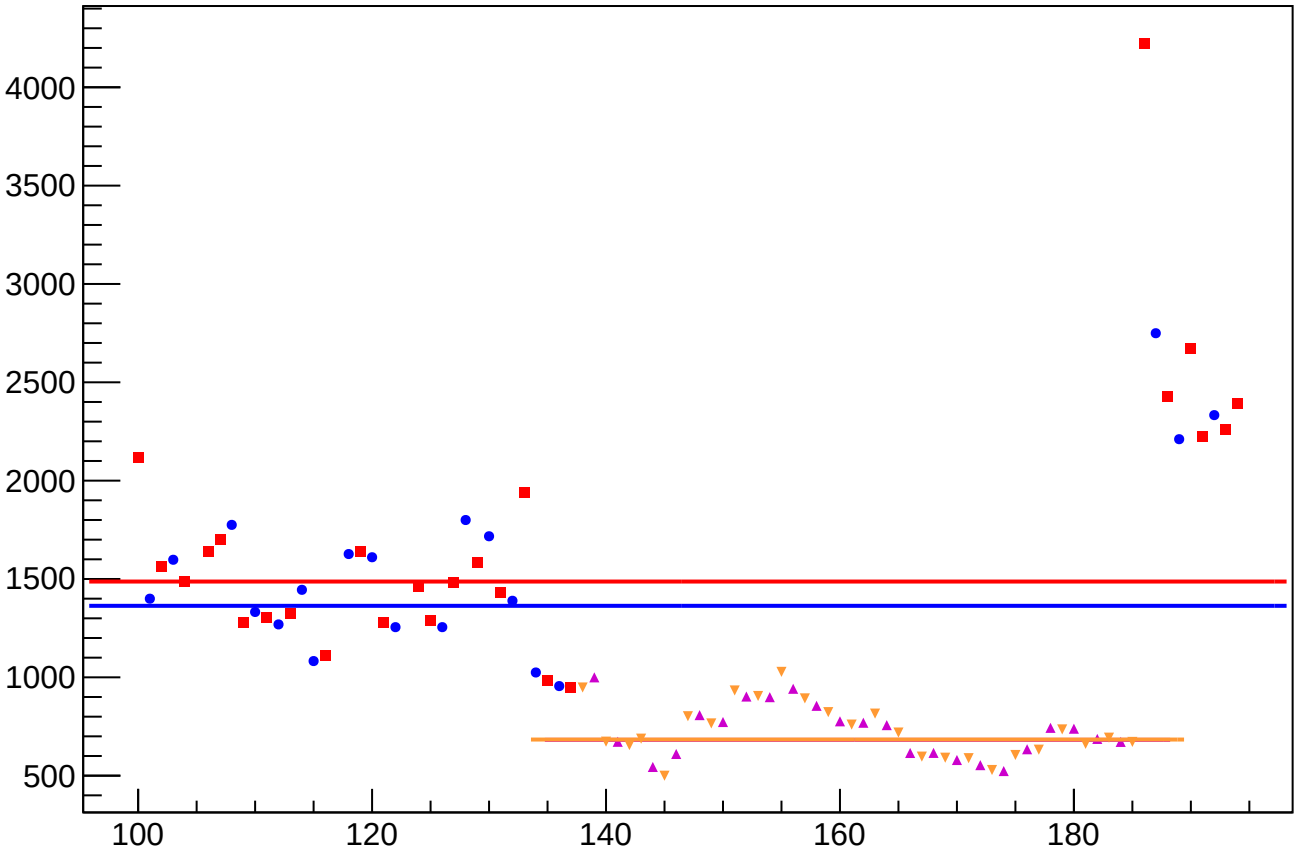
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

Right: 214.234+/-333.507 χ^2/NDF: 46.8/43

In: 45.930+/-153.698 χ^2/NDF:47.3/41

Out: -591.565+/-149.969 χ^2/NDF:100.0/49

All: -280.643+/-107.338 χ^2/NDF: 156.1/91



Right In: 1363.574+/-0.336 χ^2/NDF: 1237380.7/18

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1487.011+/-0.331 χ^2/NDF: 1907344.8/24

Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

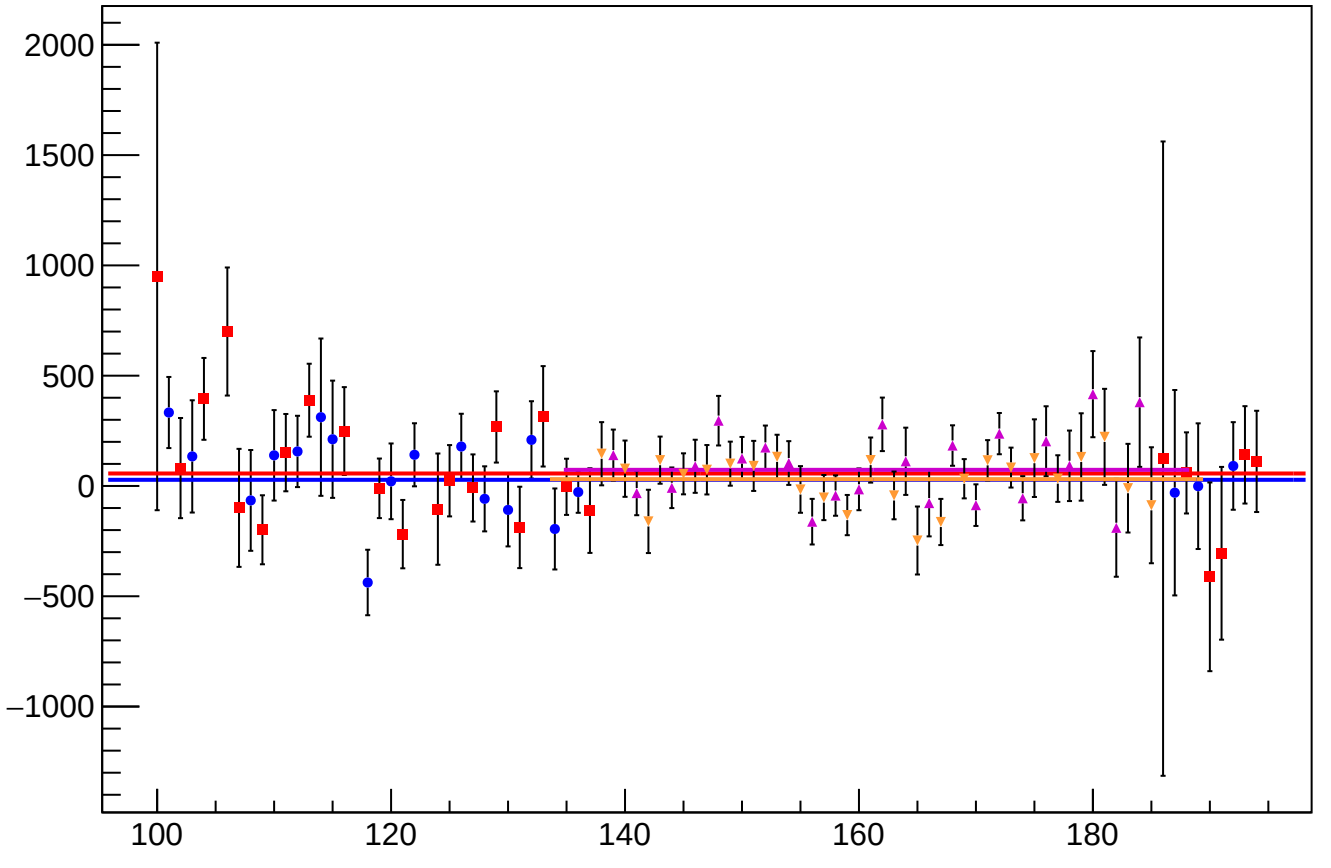
Left: 682.852+/-0.080 χ^2/NDF: 2484221.6/47

Right: 1426.332+/-0.236 χ^2/NDF: 3213199.3/43

In: 753.124+/-0.109 χ^2/NDF:6101400.0/41

Out: 766.284+/-0.106 χ^2/NDF:8498329.0/49

All: 759.866+/-0.076 χ^2/NDF: 14607240.0/91



Right In: 27.897+/-39.813 χ^2/NDF: 21.5/18

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 56.603+/-38.884 χ^2/NDF: 29.3/24

Left In: 73.146+/-23.510 χ^2/NDF:34.5/22

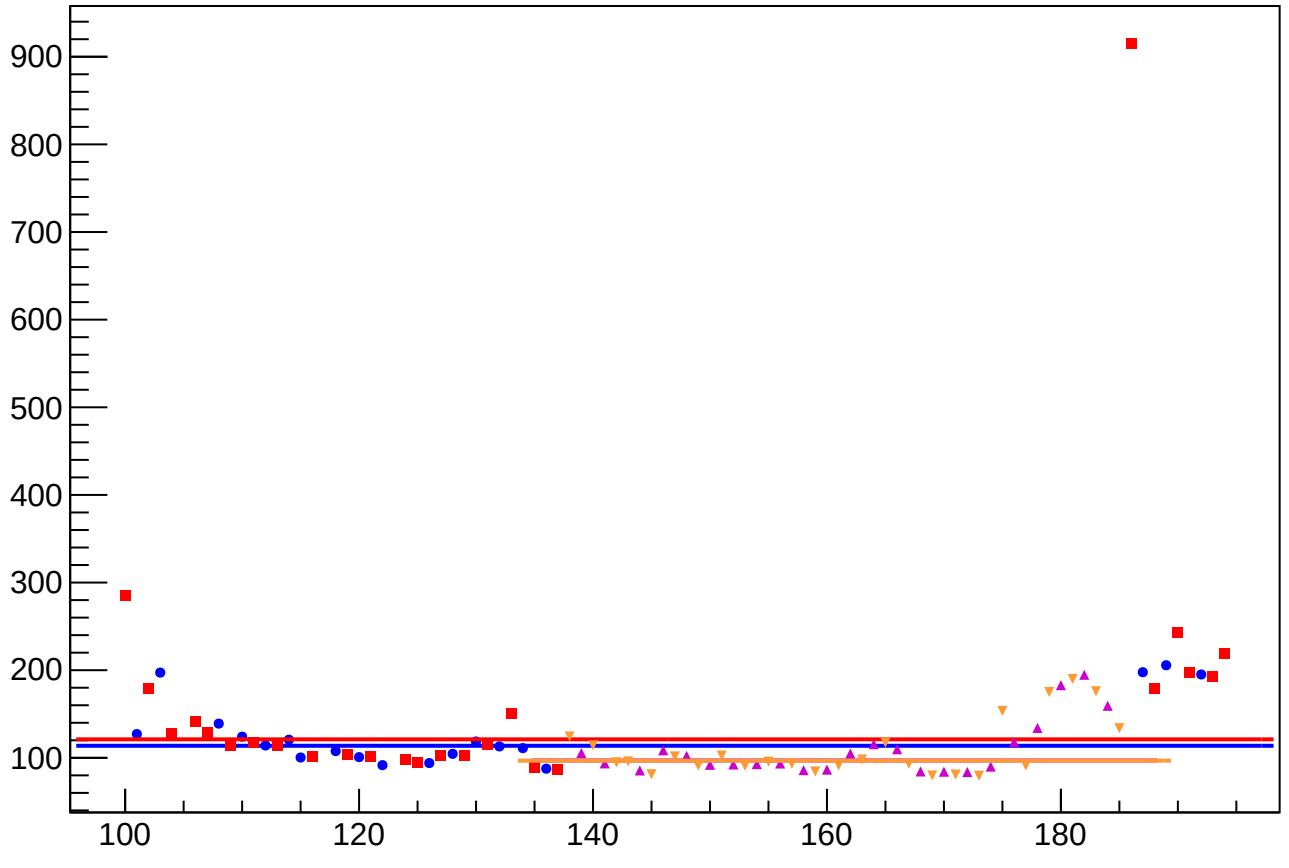
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: 42.589+/-27.818 χ^2/NDF: 51.0/43

In: 61.447+/-20.244 χ^2/NDF:57.0/41

Out: 37.340+/-19.704 χ^2/NDF:49.5/49

All: 49.068+/-14.120 χ^2/NDF: 107.2/91



Right In: 113.768+/-0.028 χ^2/NDF: 1135747.6/18

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 121.108+/-0.027 χ^2/NDF: 2264174.7/24

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

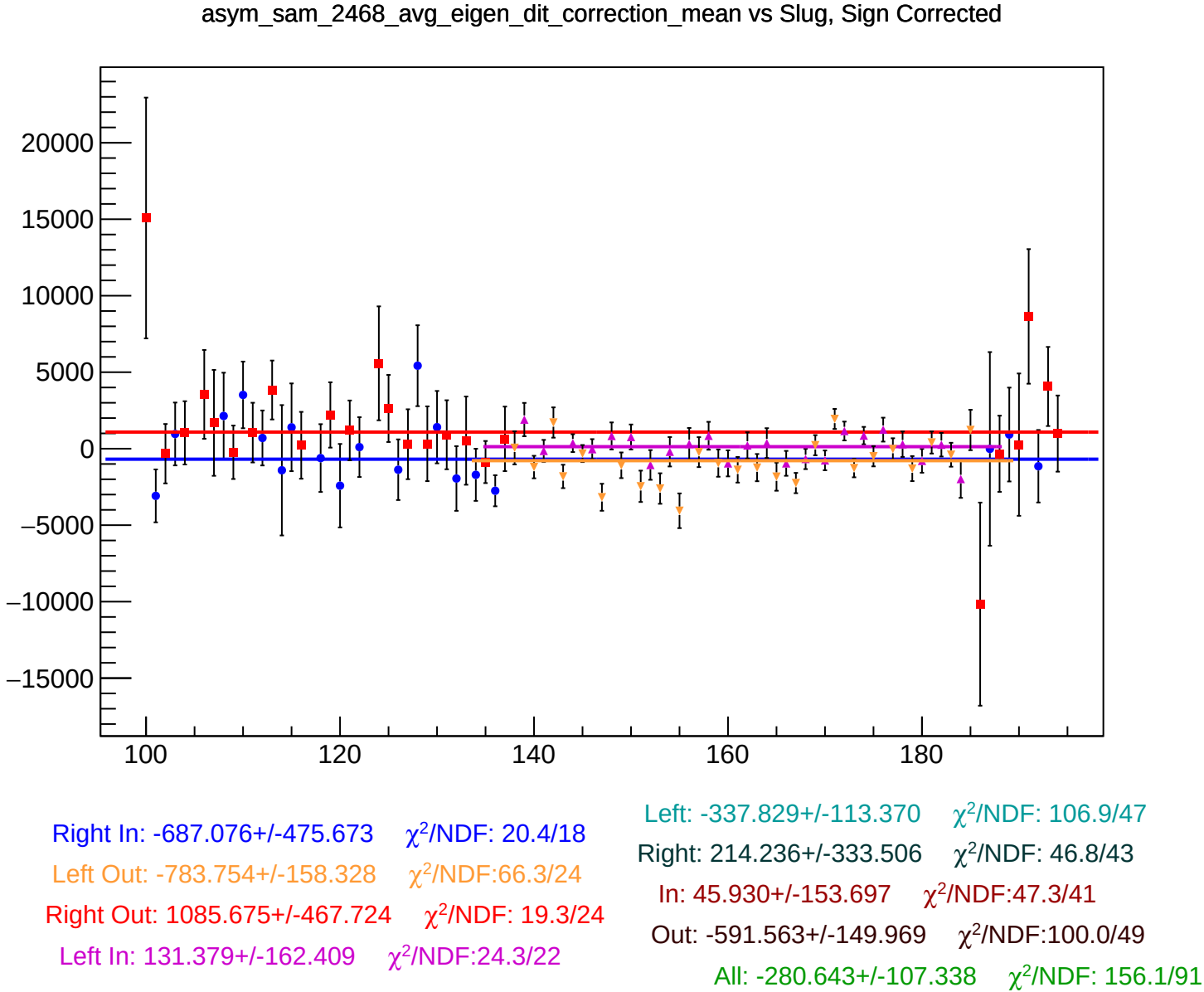
Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

Right: 117.524+/-0.020 χ^2/NDF: 3434716.5/43

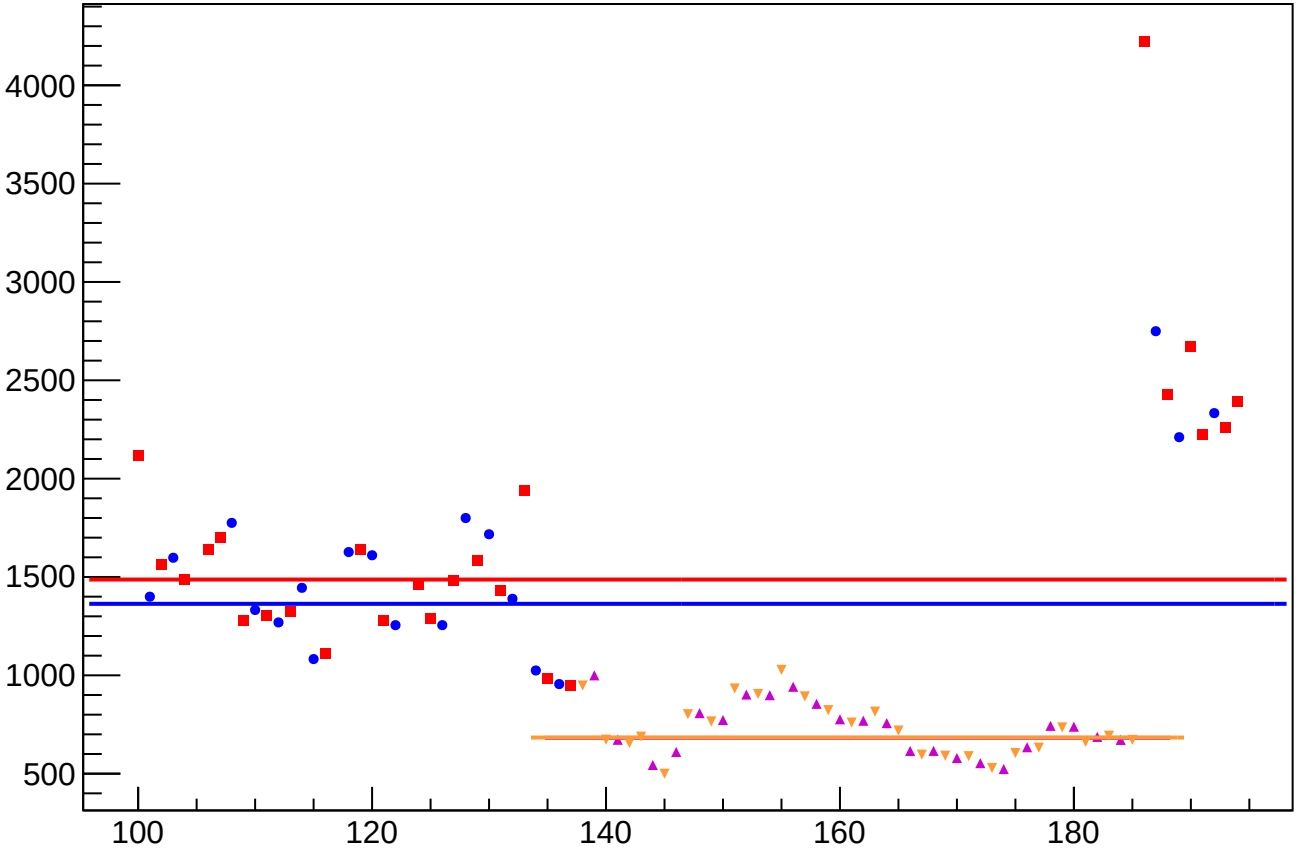
In: 101.348+/-0.014 χ^2/NDF:2719412.3/41

Out: 103.038+/-0.014 χ^2/NDF:4565751.3/49

All: 102.216+/-0.010 χ^2/NDF: 7292323.1/91


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
Right In: -687.076+/-475.673 χ²/NDF: 20.4/18
Left Out: -783.754+/-158.328 χ²/NDF:66.3/24
Right Out: 1085.675+/-467.724 χ²/NDF: 19.3/24
Left In: 131.379+/-162.409 χ²/NDF:24.3/22
Left: -337.829+/-113.370 χ²/NDF: 106.9/47
Right: 214.236+/-333.506 χ²/NDF: 46.8/43
In: 45.930+/-153.697 χ²/NDF:47.3/41
Out: -591.563+/-149.969 χ²/NDF:100.0/49
All: -280.643+/-107.338 χ²/NDF: 156.1/91

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1363.571+/-0.336 χ^2/NDF: 1237379.9/18

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1487.007+/-0.331 χ^2/NDF: 1907347.9/24

Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

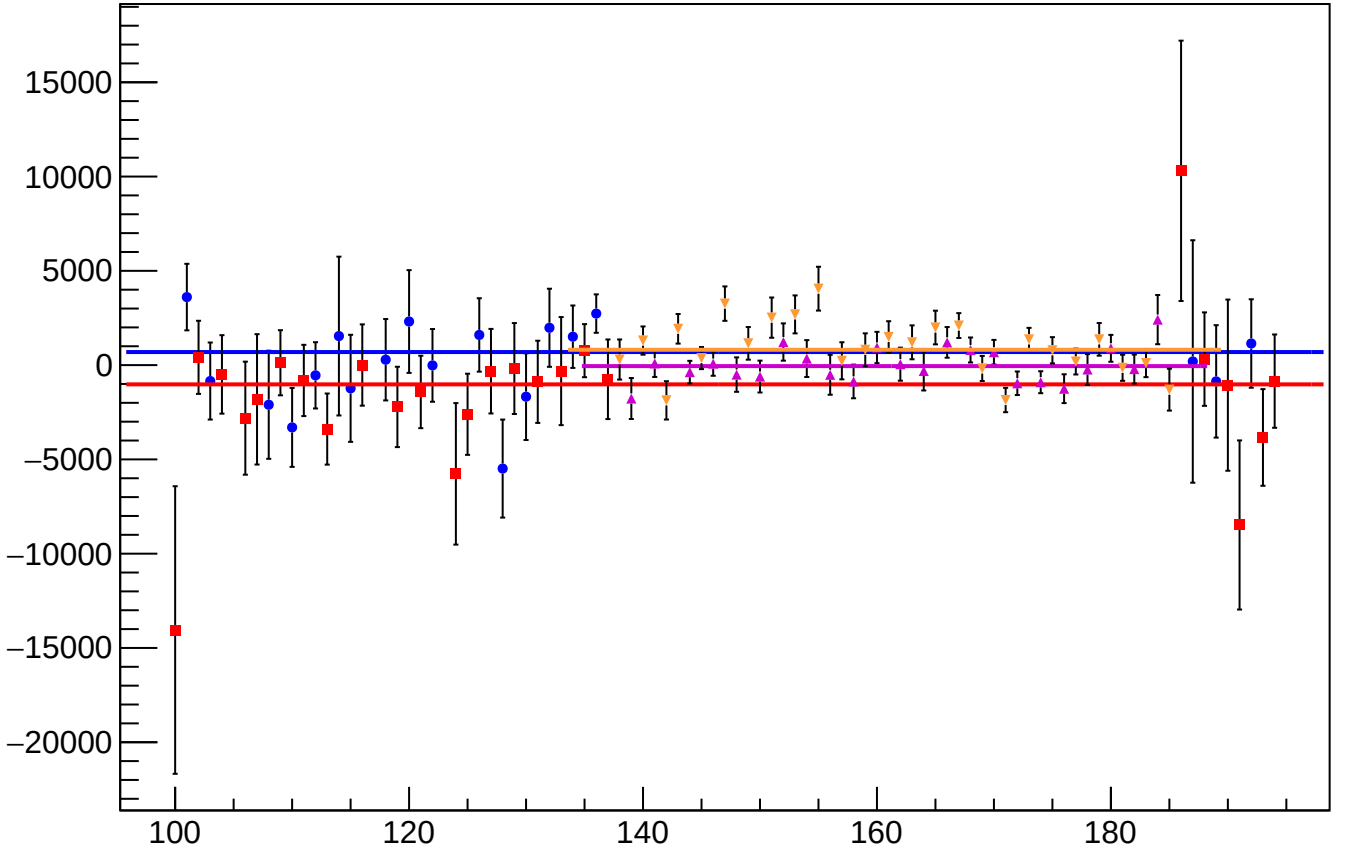
Right: 1426.329+/-0.236 χ^2/NDF: 3213201.4/43

In: 753.123+/-0.109 χ^2/NDF:6101400.9/41

Out: 766.282+/-0.106 χ^2/NDF:8498336.7/49

All: 759.864+/-0.076 χ^2/NDF: 14607248.6/91

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 692.664+/-470.697 χ^2/NDF: 21.3/18

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: -1021.138+/-464.790 χ^2/NDF: 17.6/24

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

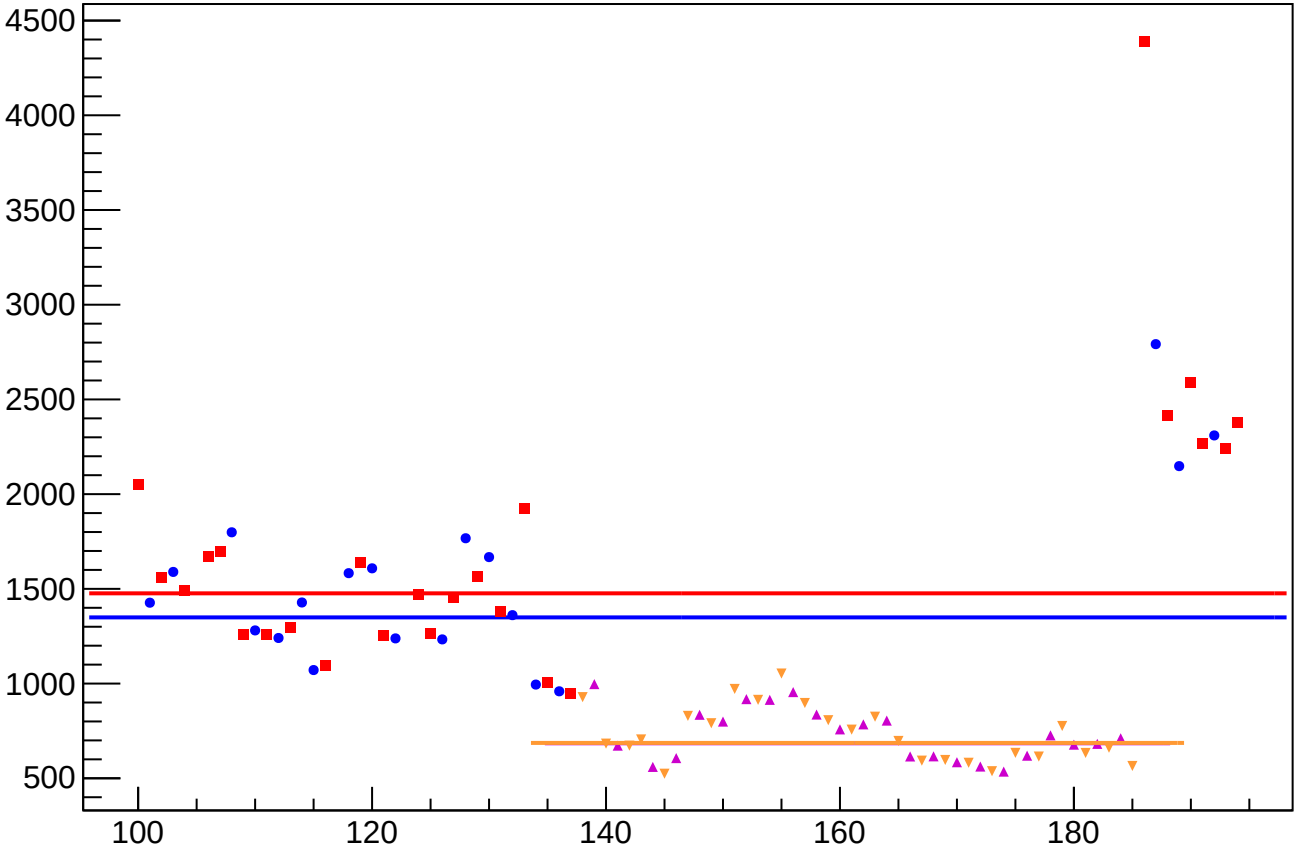
Right: -175.057+/-330.725 χ^2/NDF: 45.6/43

In: 27.510+/-154.056 χ^2/NDF:48.9/41

Out: 621.247+/-150.658 χ^2/NDF:97.3/49

All: 331.000+/-107.712 χ^2/NDF: 153.8/91

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1349.343+/-0.333 χ^2/NDF: 1220058.3/18

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

Right Out: 1476.348+/-0.329 χ^2/NDF: 1901356.5/24

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

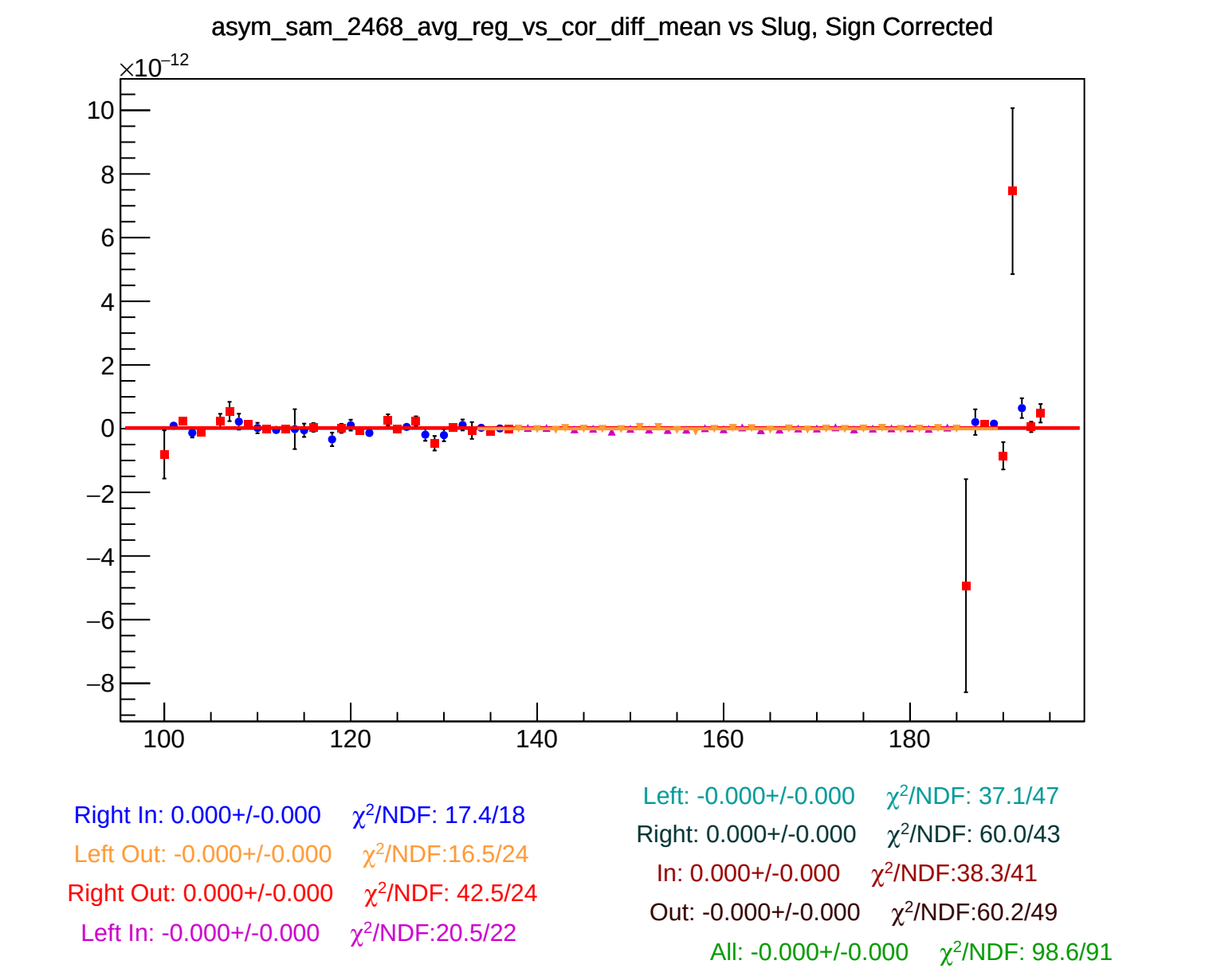
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

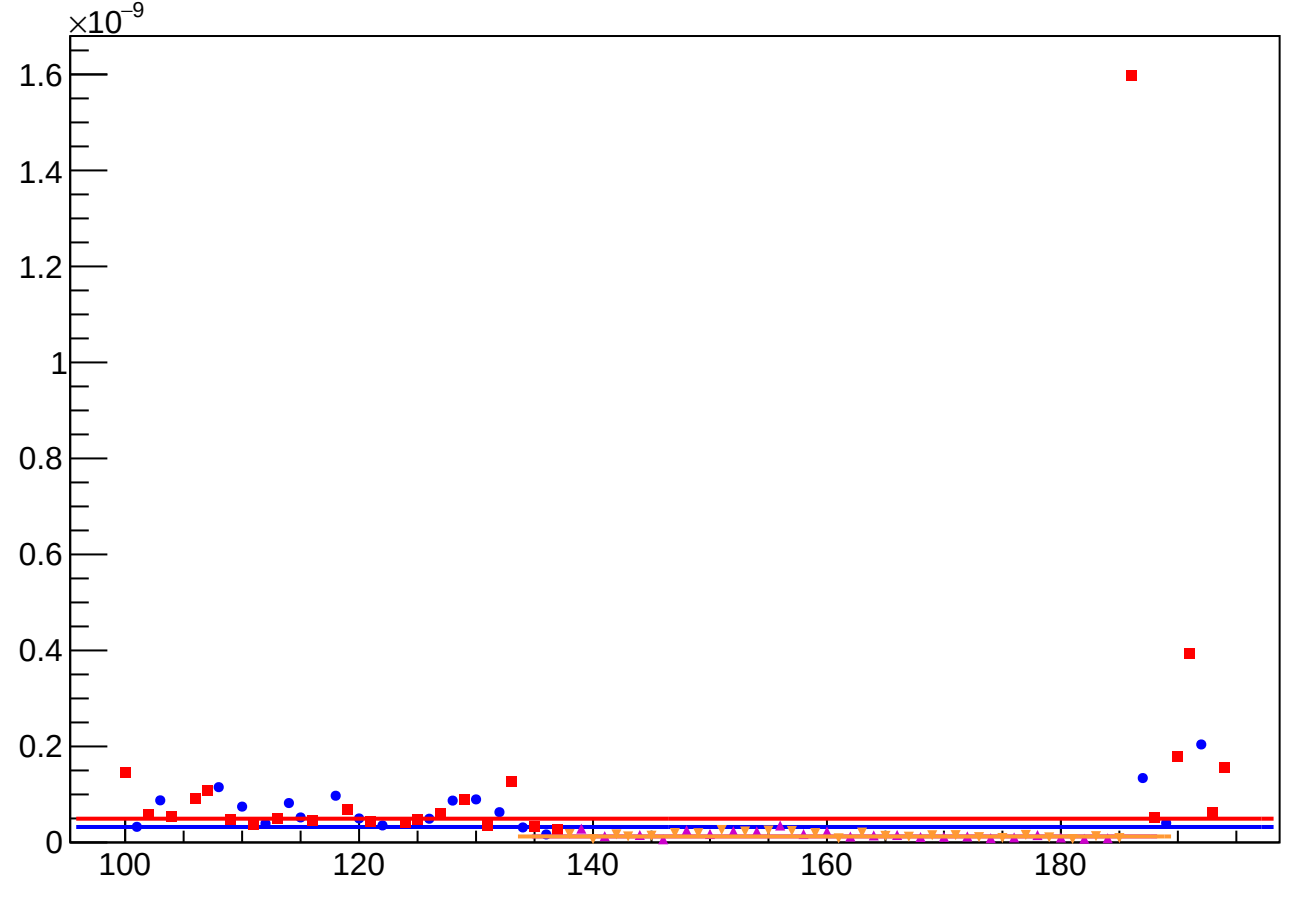
Right: 1413.647+/-0.234 χ^2/NDF: 3195138.8/43

In: 755.954+/-0.109 χ^2/NDF:5945130.4/41

Out: 769.666+/-0.107 χ^2/NDF:8379811.7/49

All: 762.963+/-0.076 χ^2/NDF: 14333041.2/91


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
Right In: 0.000+/-0.000 χ²/NDF: 17.4/18
Left Out: -0.000+/-0.000 χ²/NDF:16.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 42.5/24
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: 60.0/43
In: 0.000+/-0.000 χ²/NDF:38.3/41
Out: -0.000+/-0.000 χ²/NDF:60.2/49
All: -0.000+/-0.000 χ²/NDF: 98.6/91



Right In: 0.000+/-0.000 χ^2/NDF: 2669394.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1657194.4/24

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3704338.4/47

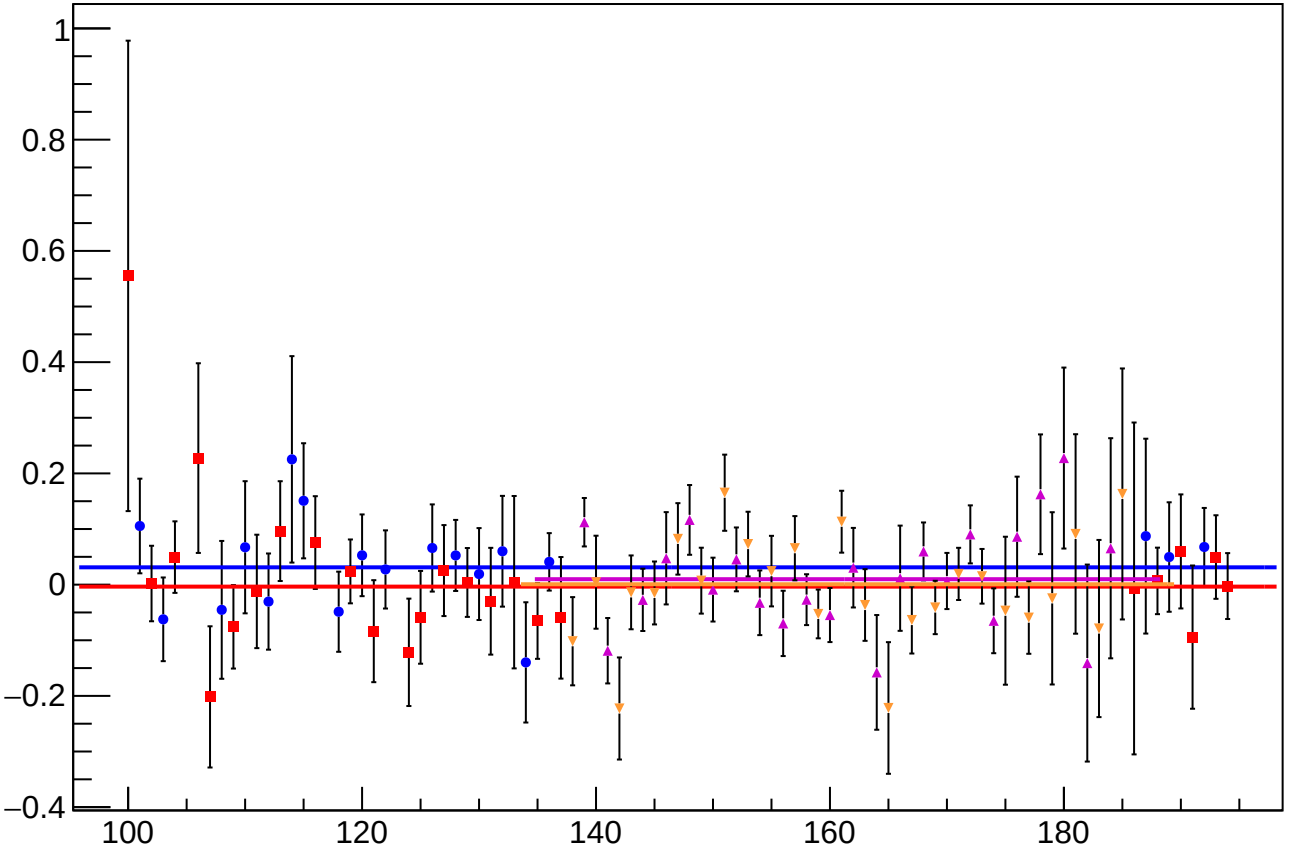
Right: 0.000+/-0.000 χ^2/NDF: 4837529.8/43

In: 0.000+/-0.000 χ^2/NDF:6235560.2/41

Out: 0.000+/-0.000 χ^2/NDF:7048441.5/49

All: 0.000+/-0.000 χ^2/NDF: 13284004.5/91

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.019 χ^2/NDF: 10.4/18

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.004+/-0.017 χ^2/NDF: 15.4/24

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

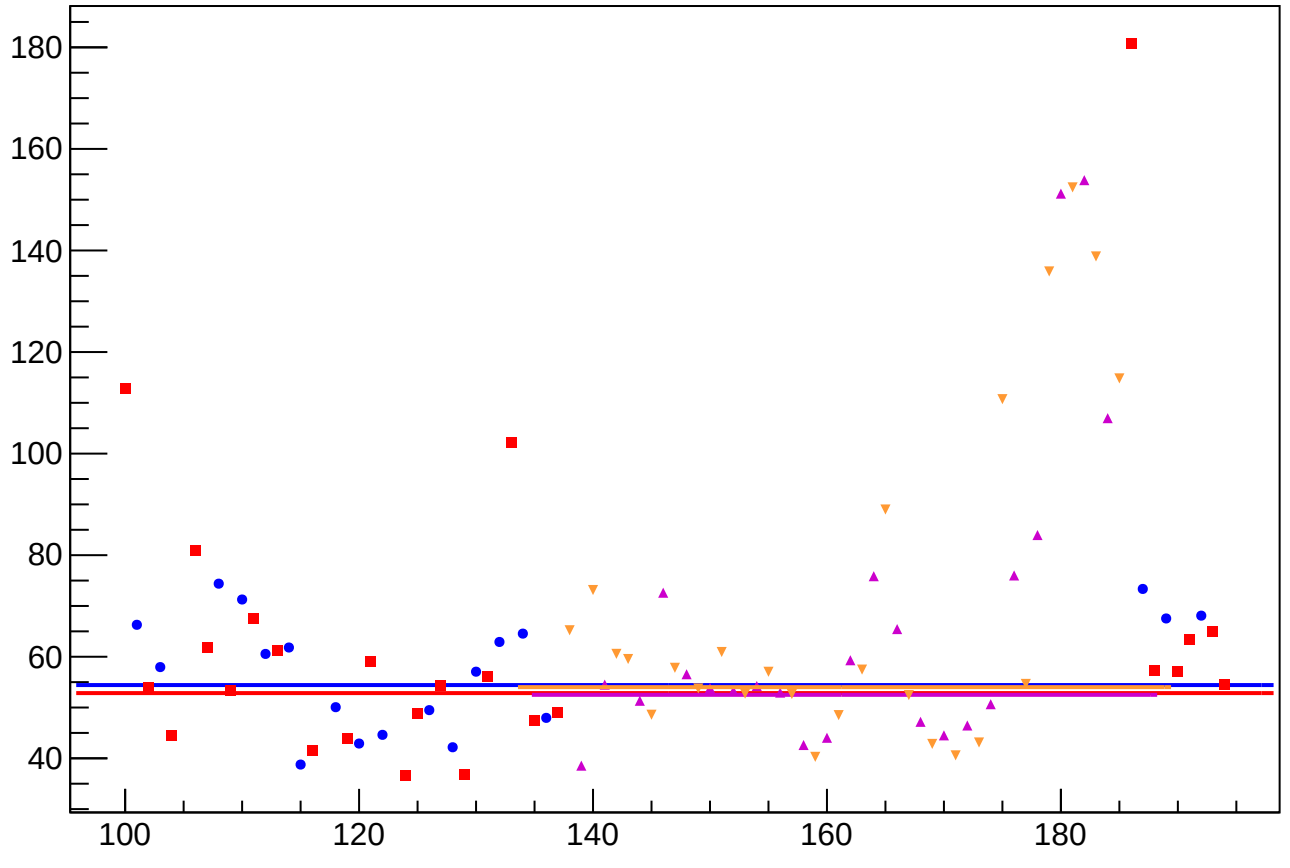
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: 0.012+/-0.013 χ^2/NDF: 27.7/43

In: 0.017+/-0.011 χ^2/NDF:43.1/41

Out: -0.001+/-0.010 χ^2/NDF:47.1/49

All: 0.007+/-0.008 χ^2/NDF: 91.7/91



Right In: 54.425+/-0.014 χ^2/NDF: 571387.3/18

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 52.842+/-0.012 χ^2/NDF: 1157246.2/24

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

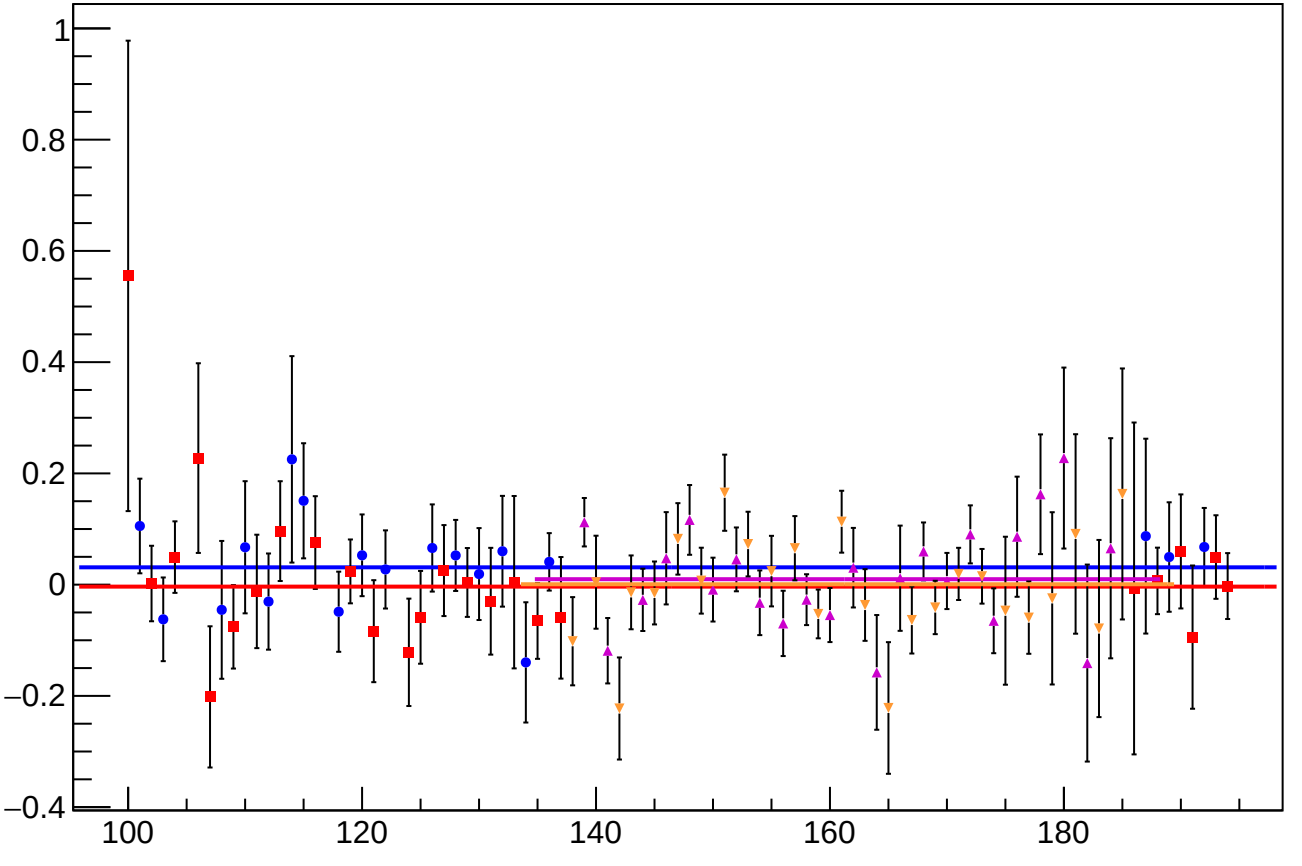
Right: 53.532+/-0.009 χ^2/NDF: 1736374.5/43

In: 53.125+/-0.008 χ^2/NDF:3142854.3/41

Out: 53.565+/-0.007 χ^2/NDF:4390800.6/49

All: 53.355+/-0.005 χ^2/NDF: 7535368.6/91

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.019 χ^2/NDF: 10.4/18

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.004+/-0.017 χ^2/NDF: 15.4/24

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

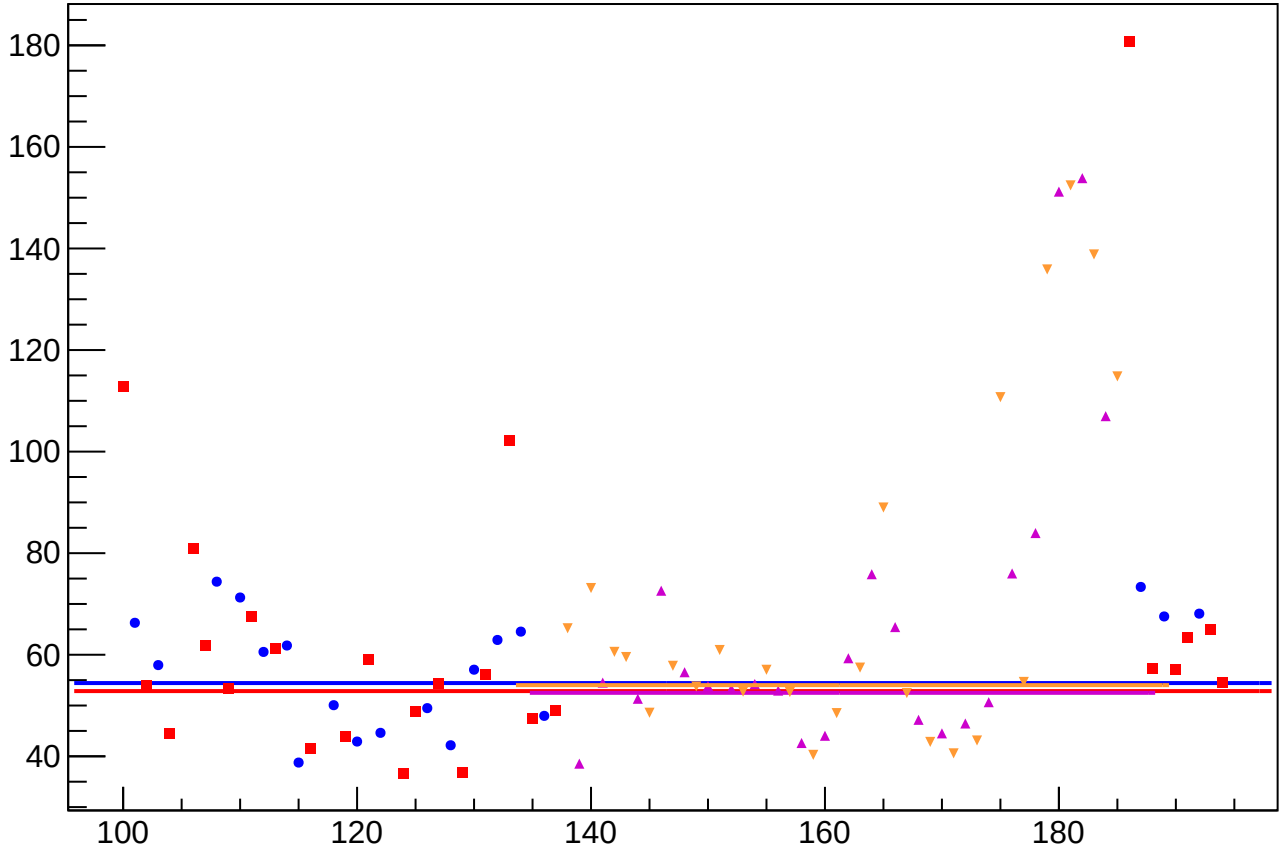
Right: 0.012+/-0.013 χ^2/NDF: 27.7/43

In: 0.017+/-0.011 χ^2/NDF:43.1/41

Out: -0.001+/-0.010 χ^2/NDF:47.1/49

All: 0.007+/-0.008 χ^2/NDF: 91.7/91

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.425+/-0.014 χ^2/NDF: 571387.3/18

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 52.842+/-0.012 χ^2/NDF: 1157246.2/24

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

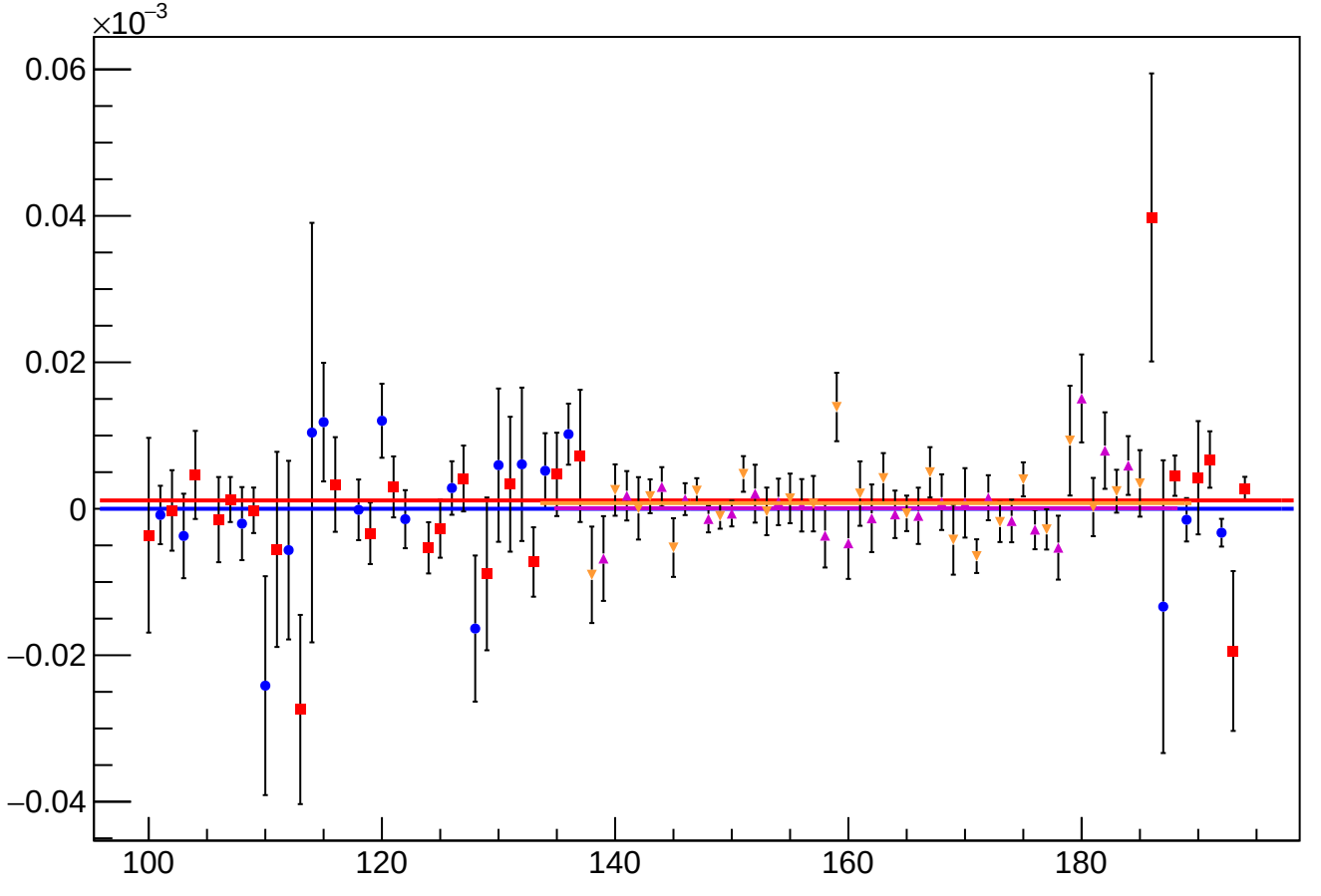
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 53.532+/-0.009 χ^2/NDF: 1736374.5/43

In: 53.125+/-0.008 χ^2/NDF:3142854.3/41

Out: 53.565+/-0.007 χ^2/NDF:4390800.6/49

All: 53.355+/-0.005 χ^2/NDF: 7535368.6/91



Right In: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.3/24

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

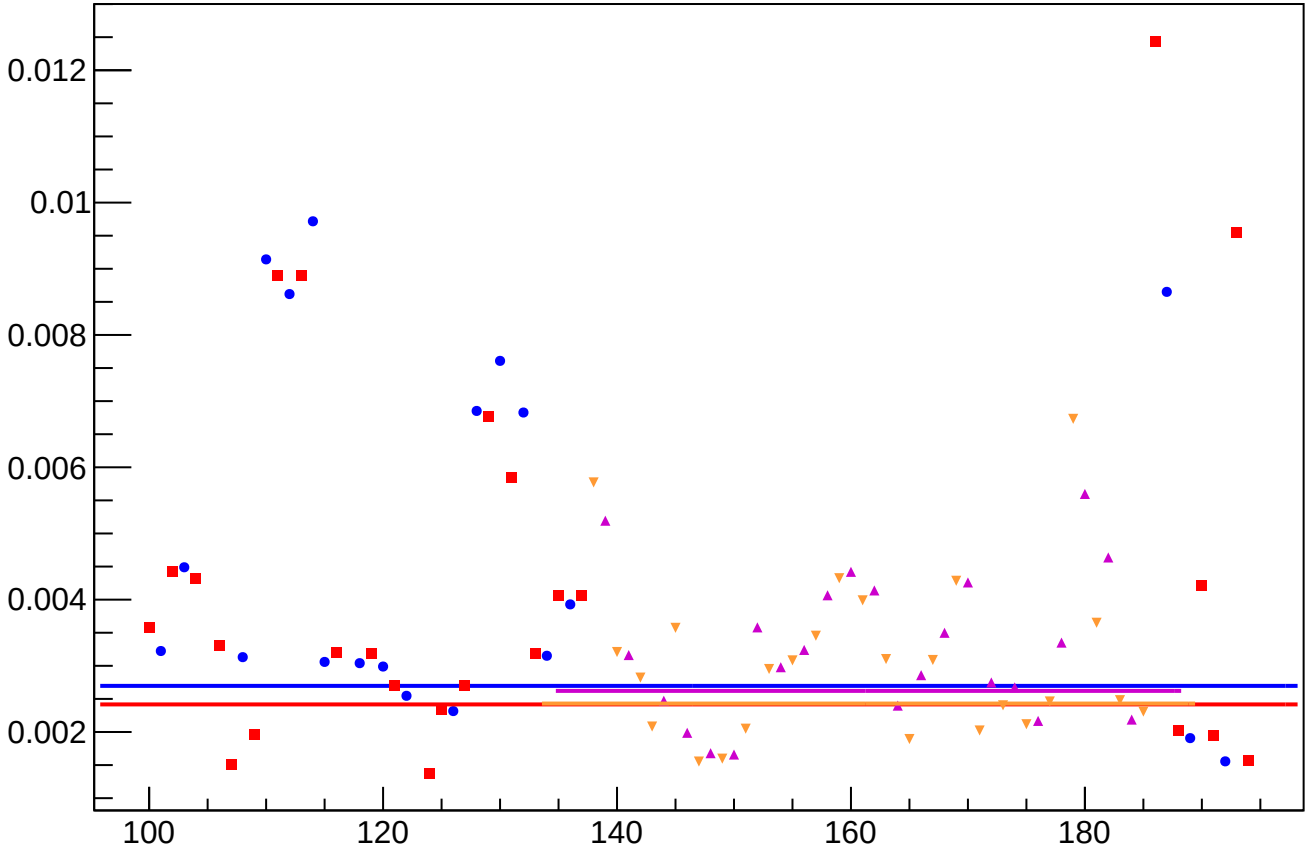
Right: 0.000+/-0.000 χ^2/NDF: 56.2/43

In: 0.000+/-0.000 χ^2/NDF:46.3/41

Out: 0.000+/-0.000 χ^2/NDF:67.5/49

All: 0.000+/-0.000 χ^2/NDF: 115.2/91

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3589052.5/18

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5000789.3/24

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

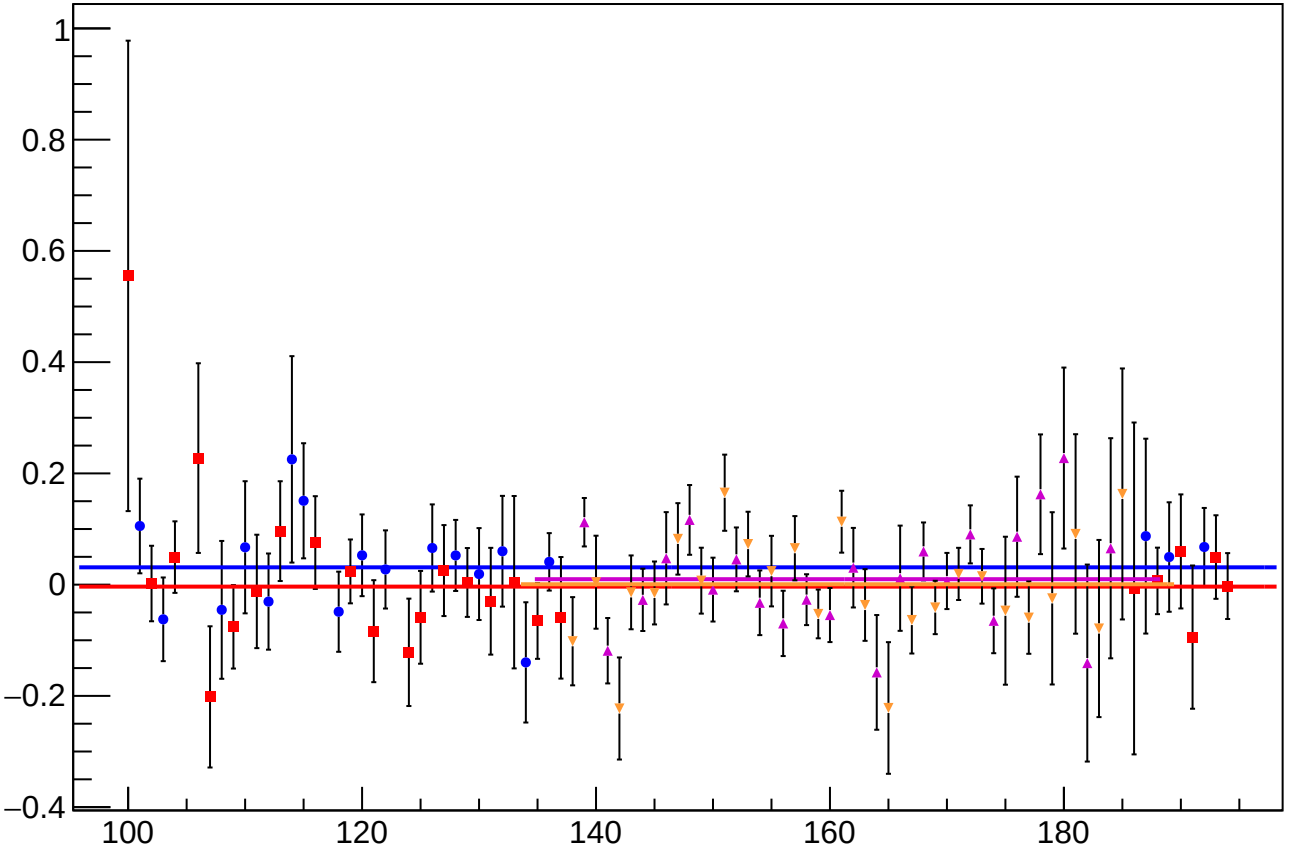
Right: 0.003+/-0.000 χ^2/NDF: 8675423.4/43

In: 0.003+/-0.000 χ^2/NDF:7551879.3/41

Out: 0.002+/-0.000 χ^2/NDF:9219460.2/49

All: 0.003+/-0.000 χ^2/NDF: 16943216.2/91

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.019 χ^2/NDF: 10.4/18

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.004+/-0.017 χ^2/NDF: 15.4/24

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

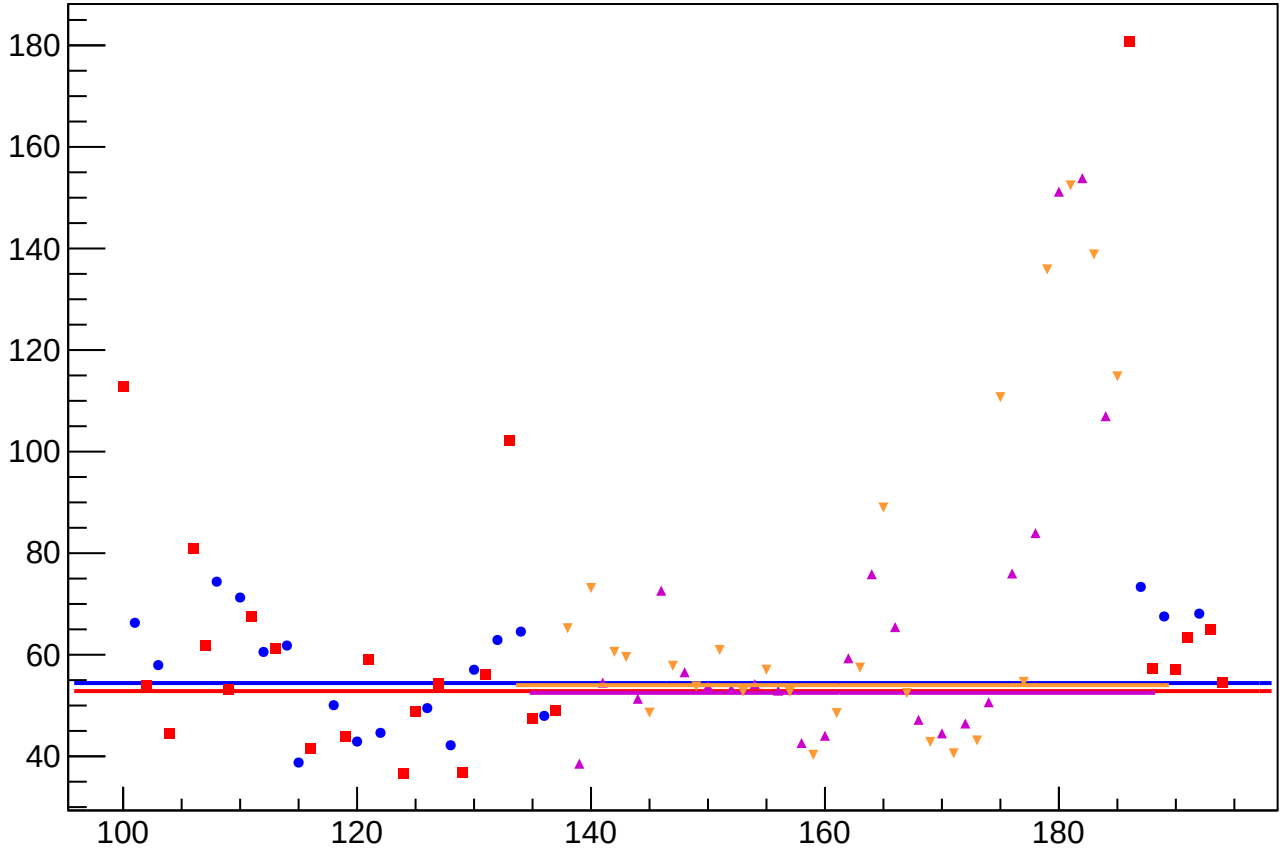
Right: 0.012+/-0.013 χ^2/NDF: 27.7/43

In: 0.017+/-0.011 χ^2/NDF:43.1/41

Out: -0.001+/-0.010 χ^2/NDF:47.1/49

All: 0.007+/-0.008 χ^2/NDF: 91.7/91

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.424+/-0.014 χ^2/NDF: 571357.1/18

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 52.841+/-0.012 χ^2/NDF: 1157266.9/24

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

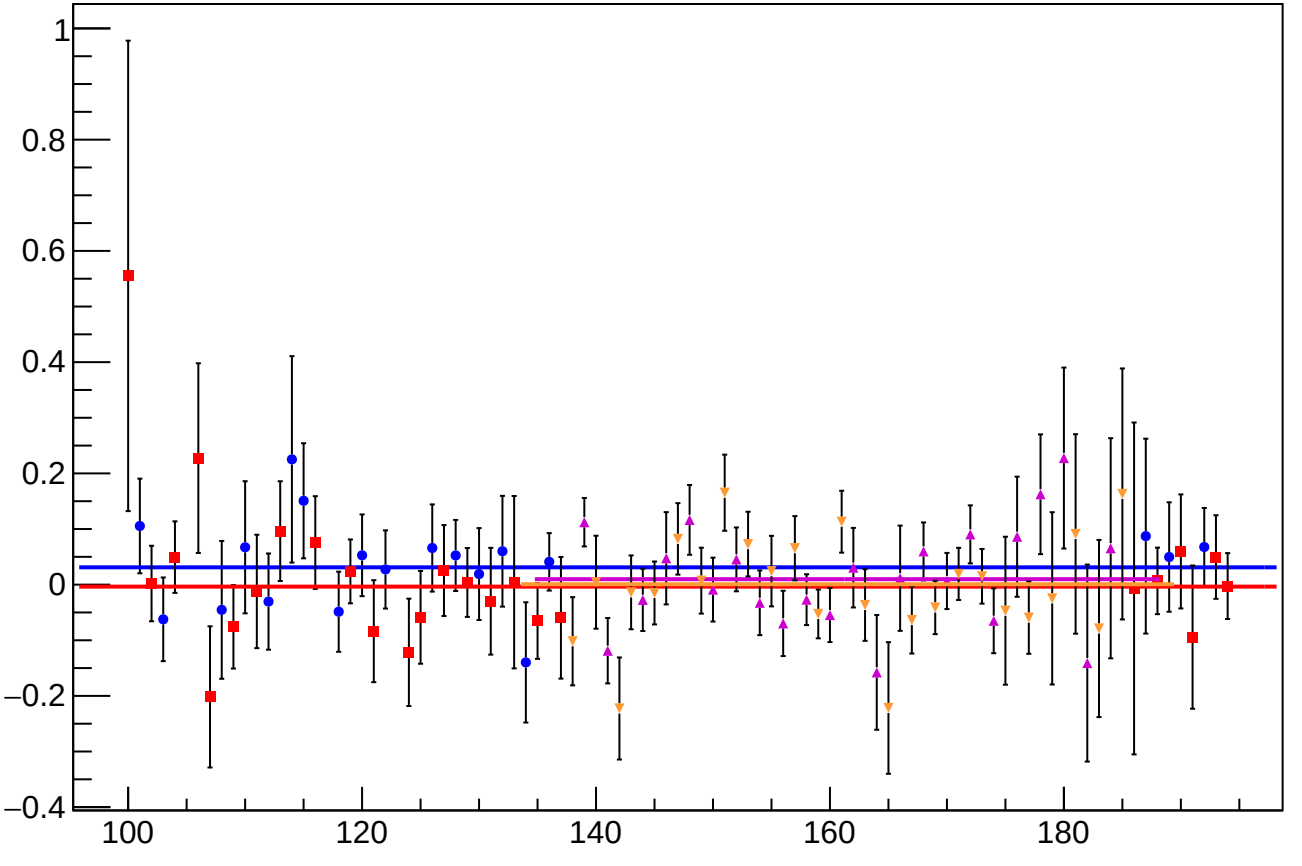
Right: 53.532+/-0.009 χ^2/NDF: 1736363.3/43

In: 53.125+/-0.008 χ^2/NDF:3142846.4/41

Out: 53.565+/-0.007 χ^2/NDF:4390853.1/49

All: 53.355+/-0.005 χ^2/NDF: 7535413.2/91

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.019 χ^2/NDF: 10.4/18

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.004+/-0.017 χ^2/NDF: 15.4/24

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

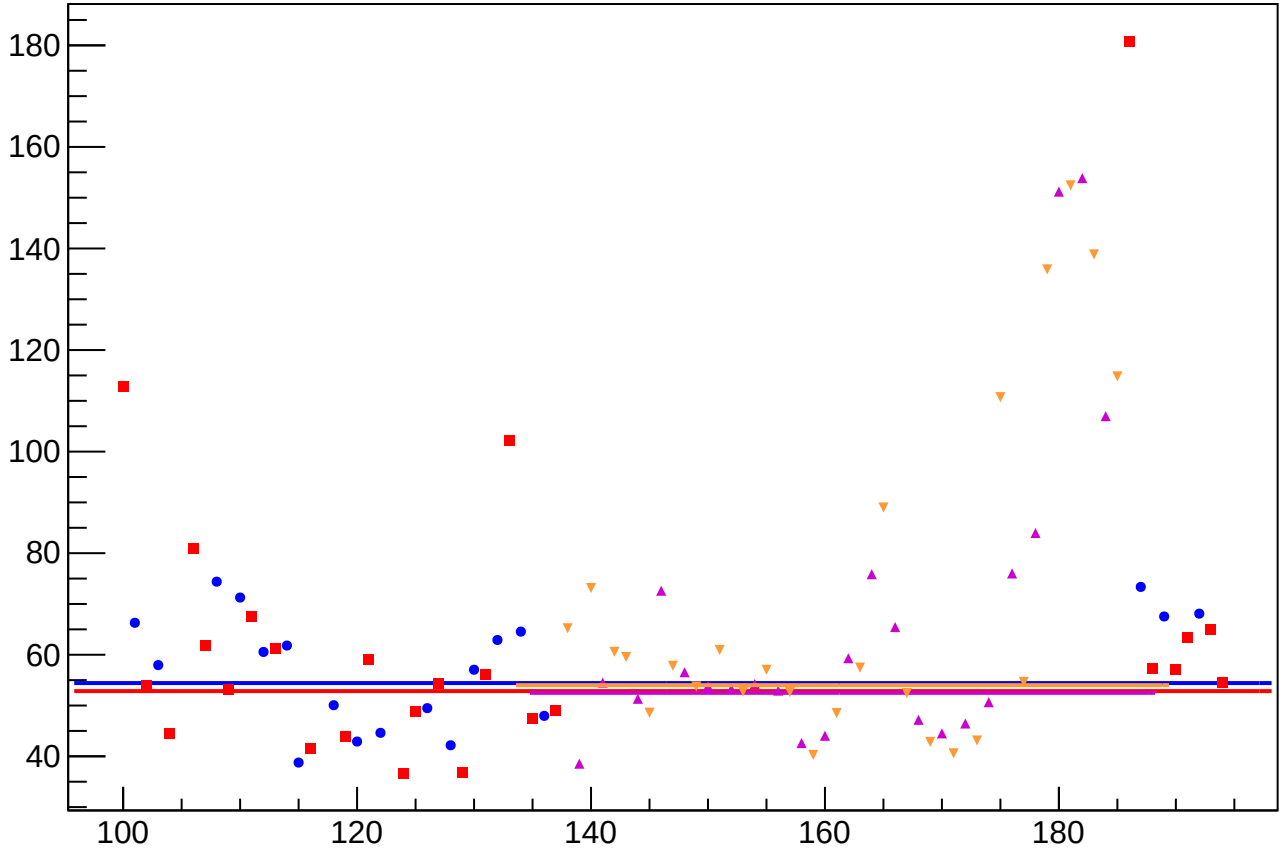
Right: 0.012+/-0.013 χ^2/NDF: 27.7/43

In: 0.017+/-0.011 χ^2/NDF:43.1/41

Out: -0.001+/-0.010 χ^2/NDF:47.1/49

All: 0.007+/-0.008 χ^2/NDF: 91.7/91

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.424+/-0.014 χ^2/NDF: 571357.1/18

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 52.841+/-0.012 χ^2/NDF: 1157266.9/24

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

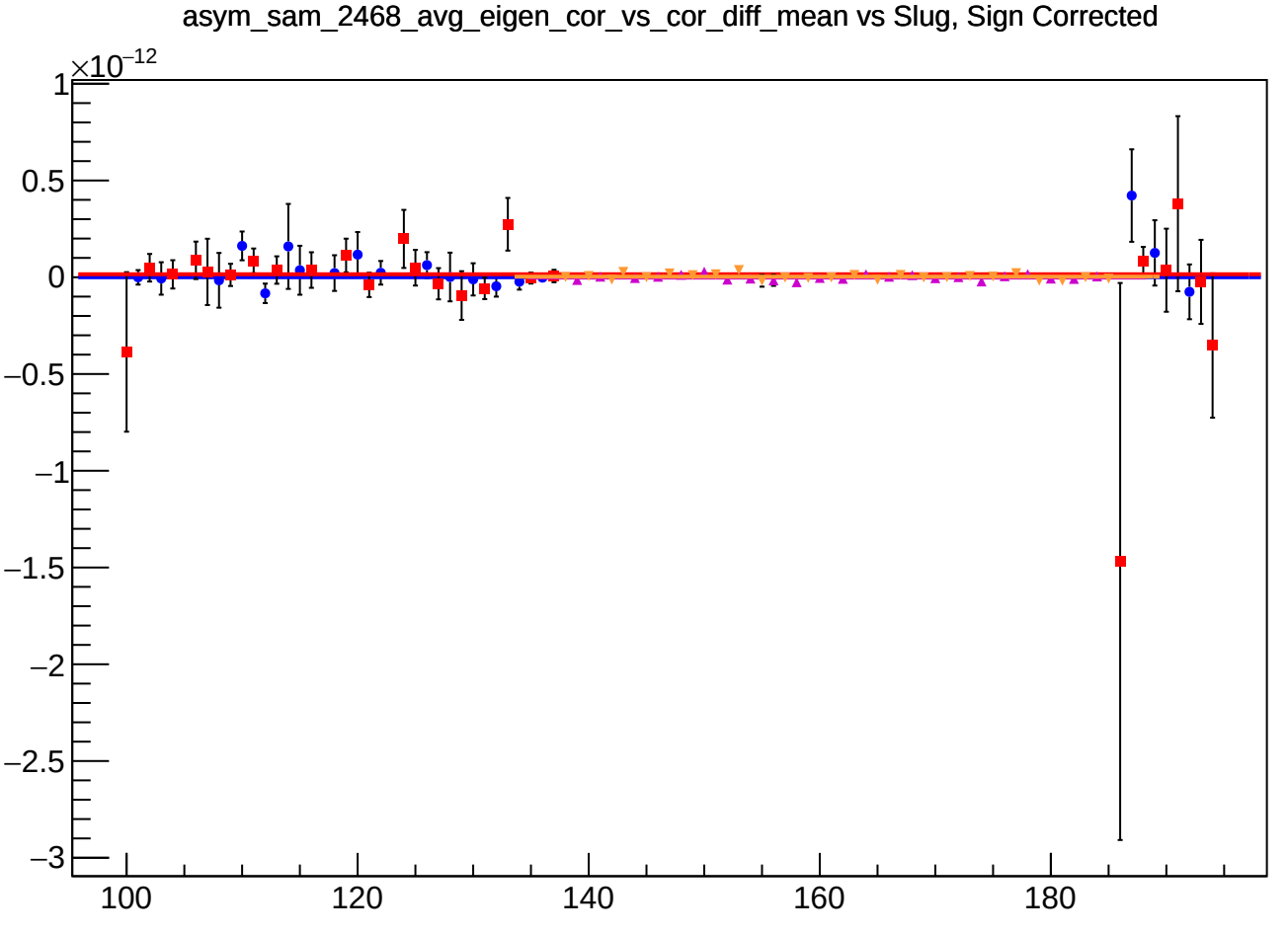
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 53.532+/-0.009 χ^2/NDF: 1736363.3/43

In: 53.125+/-0.008 χ^2/NDF:3142846.4/41

Out: 53.565+/-0.007 χ^2/NDF:4390853.1/49

All: 53.355+/-0.005 χ^2/NDF: 7535413.2/91



Right In: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/24

Left In: -0.000+/-0.000 χ^2/NDF:15.3/22

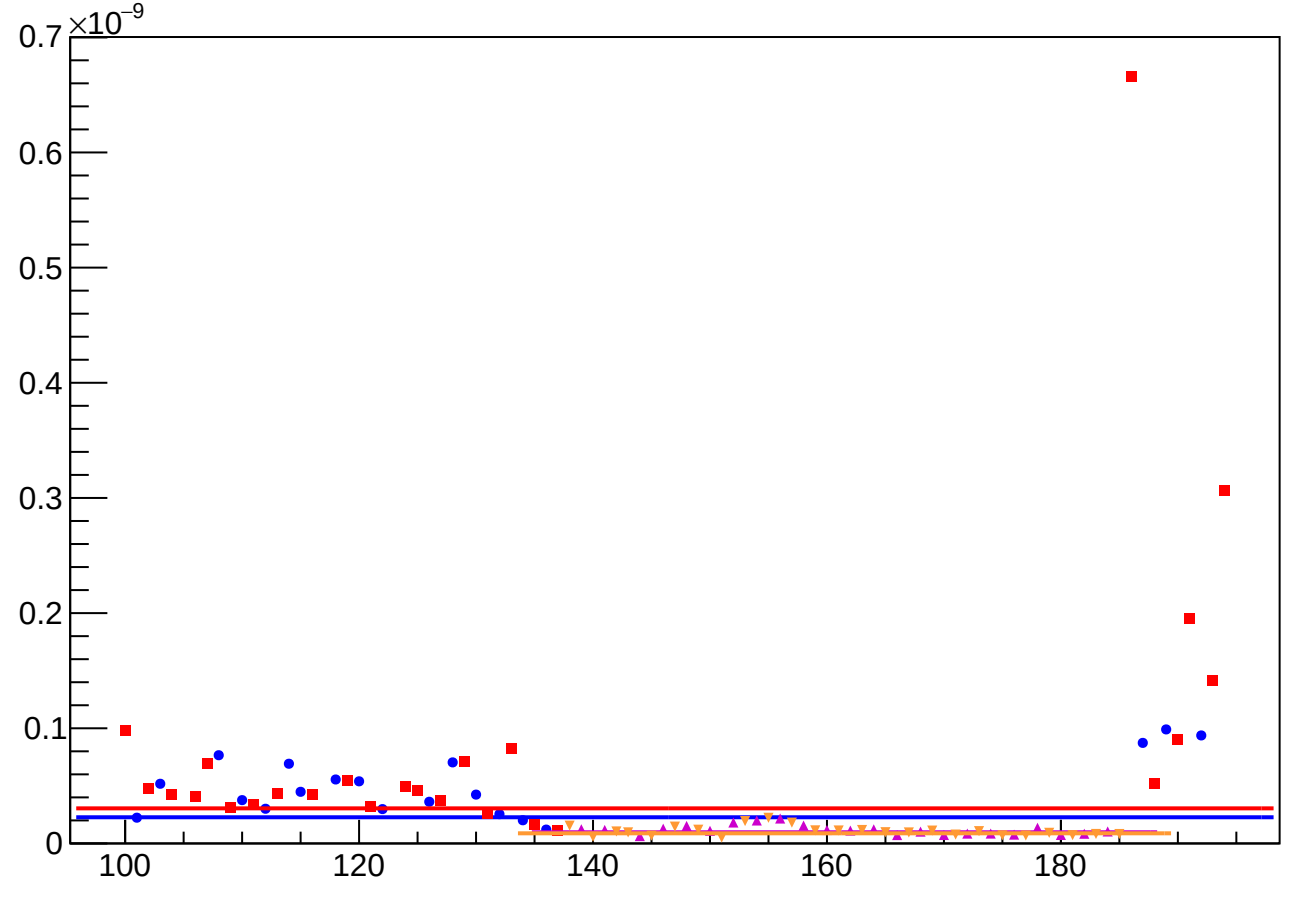
Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

Right: 0.000+/-0.000 χ^2/NDF: 33.3/43

In: -0.000+/-0.000 χ^2/NDF:30.5/41

Out: 0.000+/-0.000 χ^2/NDF:40.0/49

All: 0.000+/-0.000 χ^2/NDF: 72.2/91



Right In: 0.000+/-0.000 χ^2/NDF: 3597019.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5054573.4/24

Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

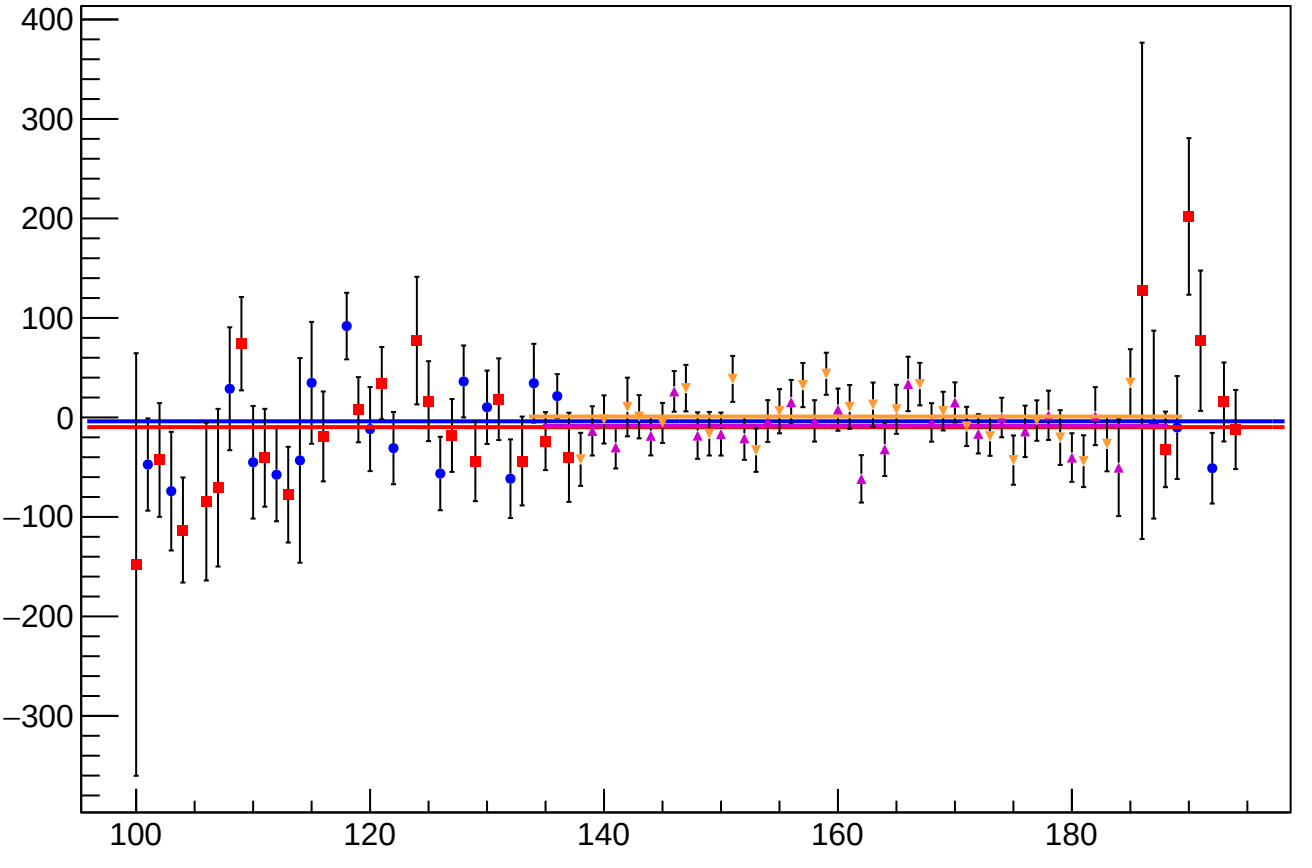
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 9002923.1/43

In: 0.000+/-0.000 χ^2/NDF:8175217.5/41

Out: 0.000+/-0.000 χ^2/NDF:12115159.4/49

All: 0.000+/-0.000 χ^2/NDF: 20403409.5/91



Right In: -3.892+/-9.456 χ^2/NDF: 23.3/18

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: -9.757+/-9.197 χ^2/NDF: 28.1/24

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

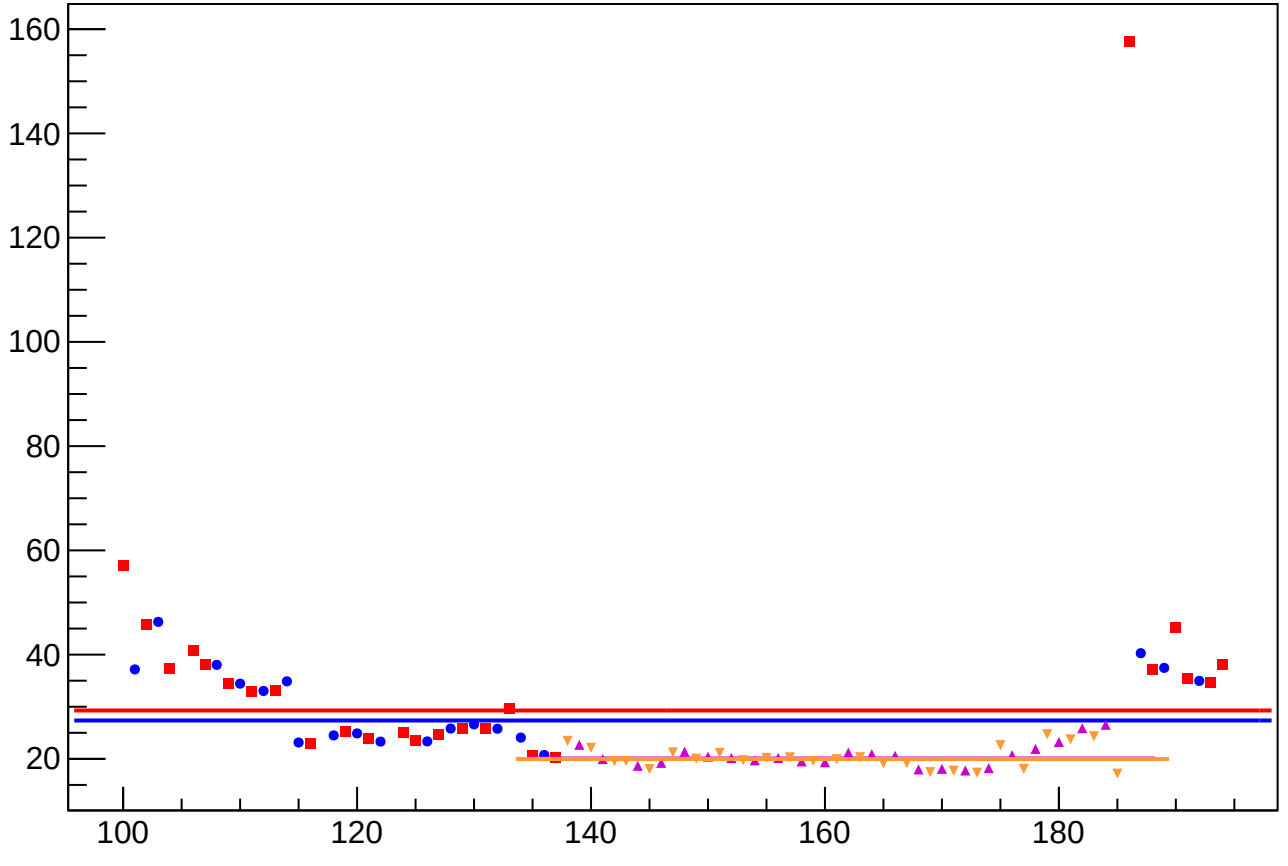
Right: -6.906+/-6.593 χ^2/NDF: 51.5/43

In: -7.660+/-4.226 χ^2/NDF:42.8/41

Out: -1.200+/-4.095 χ^2/NDF:58.4/49

All: -4.329+/-2.941 χ^2/NDF: 102.4/91

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 27.362+/-0.007 χ^2/NDF: 906515.1/18

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 29.282+/-0.007 χ^2/NDF: 1688191.6/24

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

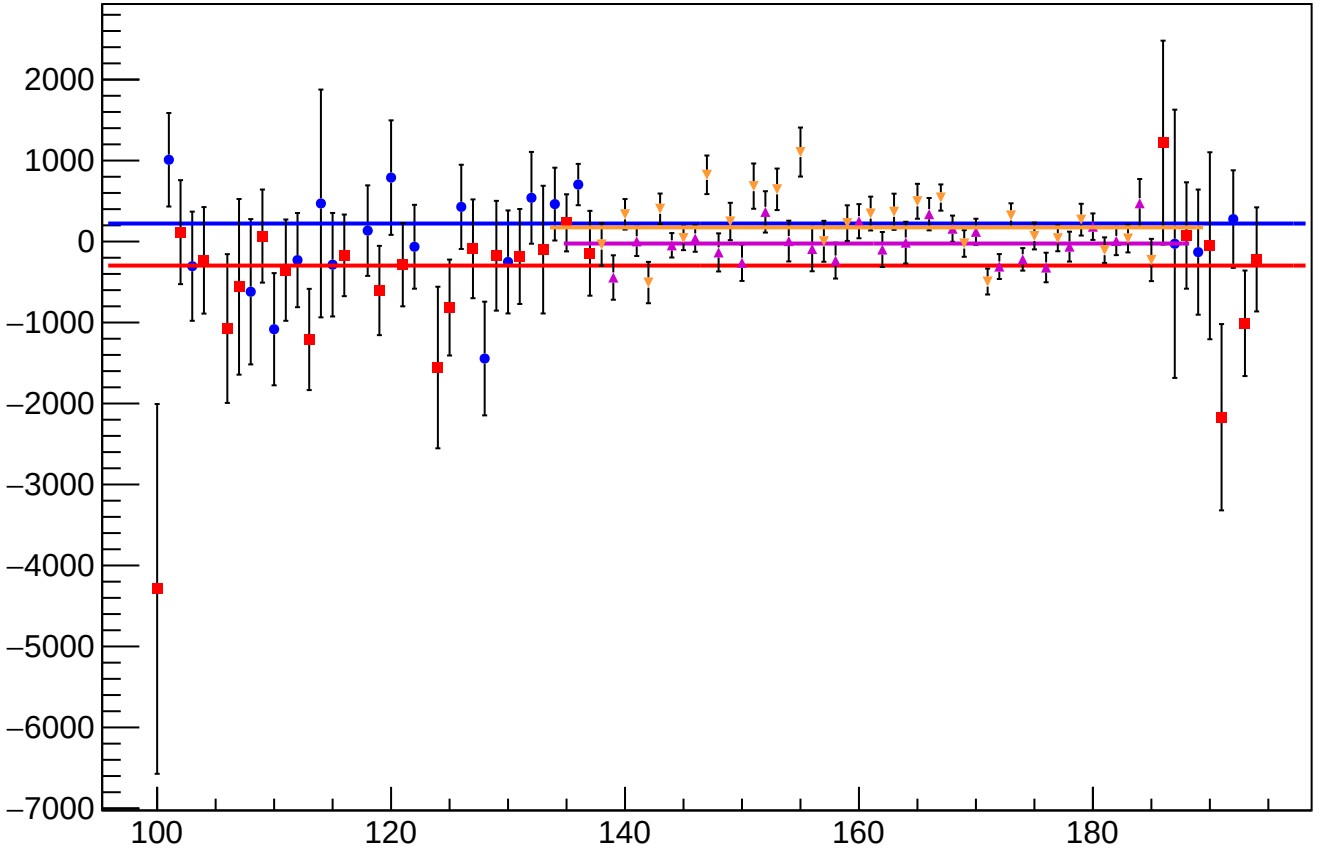
Right: 28.349+/-0.005 χ^2/NDF: 2637108.0/43

In: 21.528+/-0.003 χ^2/NDF:2159307.0/41

Out: 21.816+/-0.003 χ^2/NDF:3719394.8/49

All: 21.676+/-0.002 χ^2/NDF: 5883474.3/91

asym_sam_1357_2468_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 222.428+/-129.348 χ^2/NDF: 19.9/18

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

Right Out: -296.791+/-128.802 χ^2/NDF: 17.8/24

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

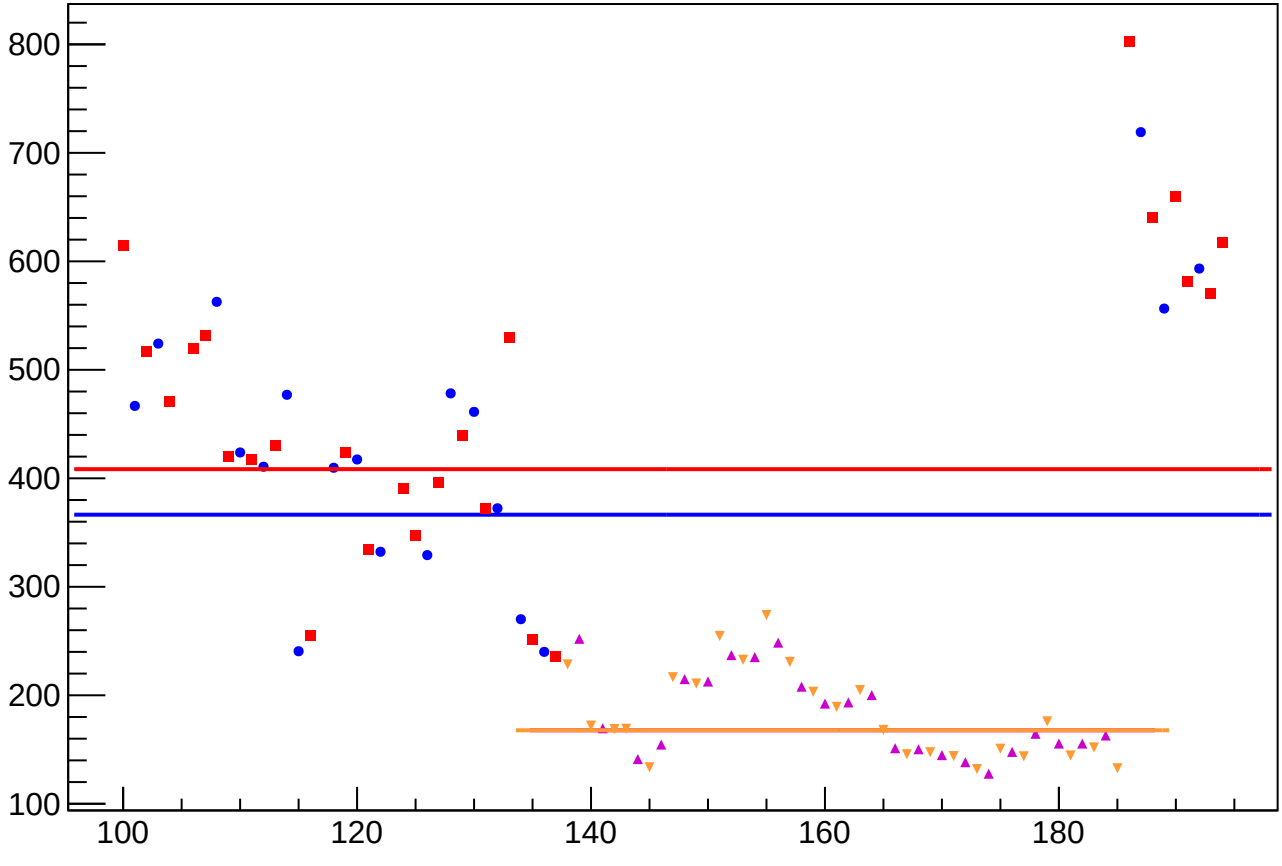
Right: -38.279+/-91.269 χ^2/NDF: 45.8/43

In: -2.959+/-38.276 χ^2/NDF:50.1/41

Out: 135.005+/-37.369 χ^2/NDF:101.3/49

All: 67.676+/-26.739 χ^2/NDF: 158.0/91

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 366.467+/-0.091 χ^2/NDF: 1595057.6/18

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 408.448+/-0.091 χ^2/NDF: 1994675.6/24

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

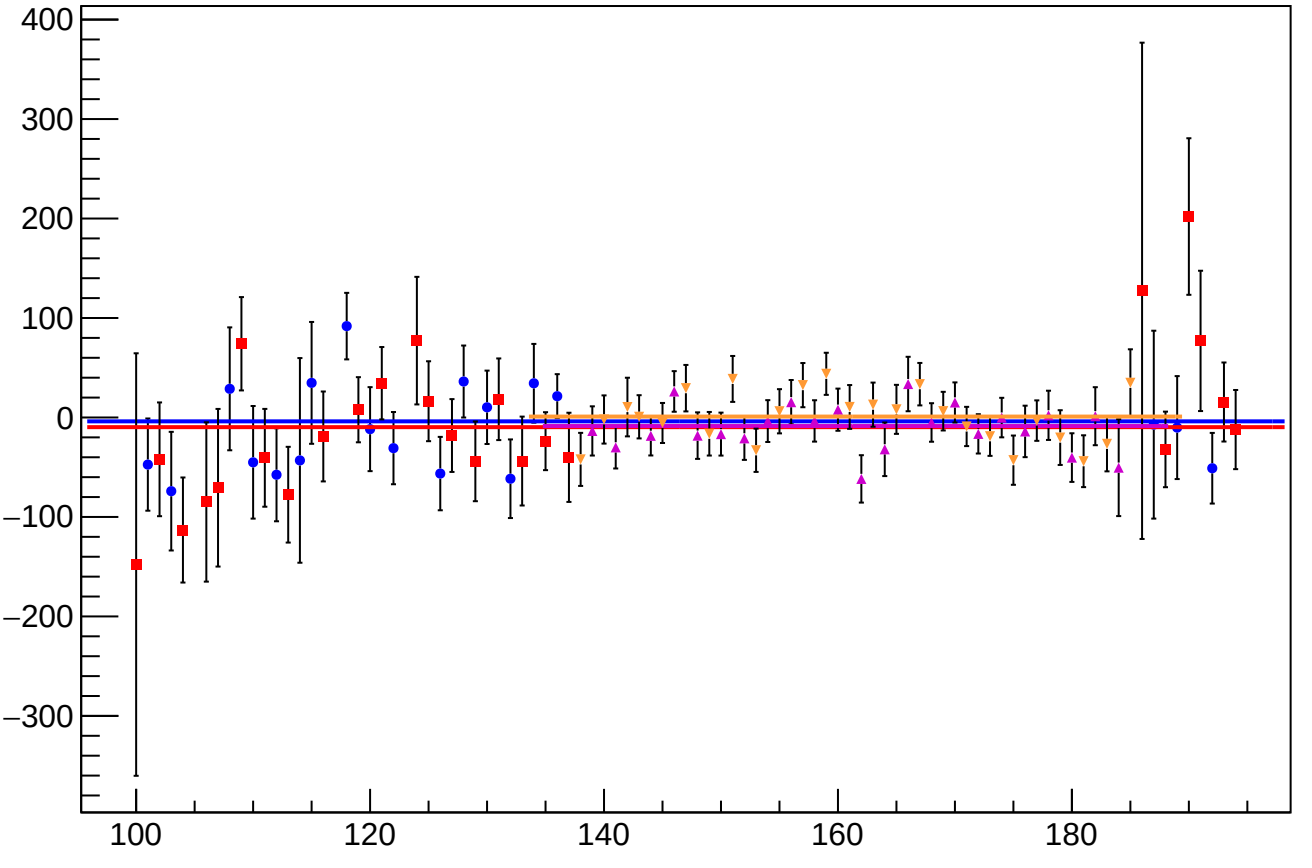
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 387.546+/-0.065 χ^2/NDF: 3695515.1/43

In: 185.149+/-0.027 χ^2/NDF:7305319.1/41

Out: 188.015+/-0.026 χ^2/NDF:9969111.8/49

All: 186.616+/-0.019 χ^2/NDF: 17280172.0/91



Right In: -3.889+/-9.456 χ^2/NDF: 23.3/18

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -9.724+/-9.198 χ^2/NDF: 28.0/24

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

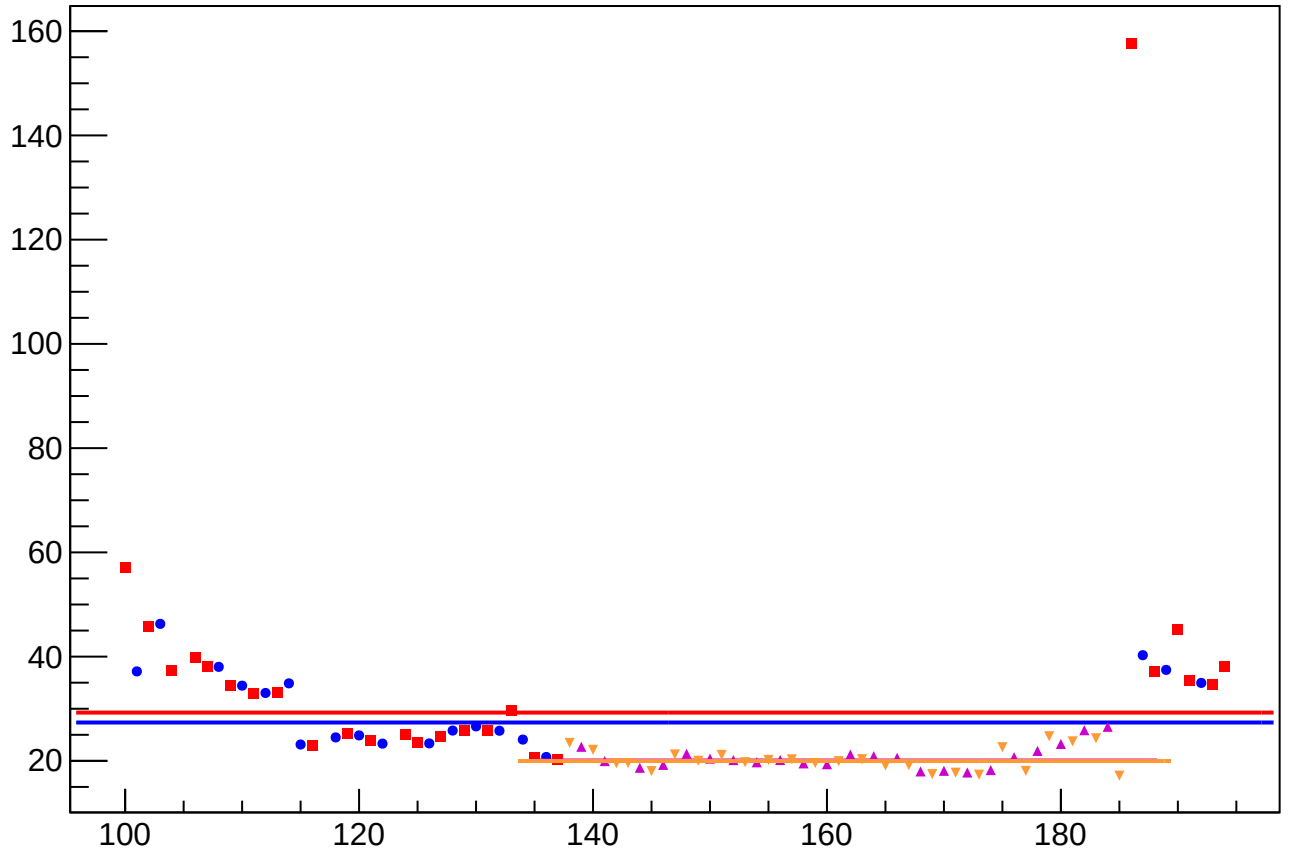
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -6.888+/-6.593 χ^2/NDF: 51.5/43

In: -7.660+/-4.226 χ^2/NDF:42.8/41

Out: -1.195+/-4.096 χ^2/NDF:58.3/49

All: -4.326+/-2.941 χ^2/NDF: 102.4/91



Right In: 27.362+/-0.007 χ^2/NDF: 906518.4/18

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 29.265+/-0.007 χ^2/NDF: 1680196.9/24

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

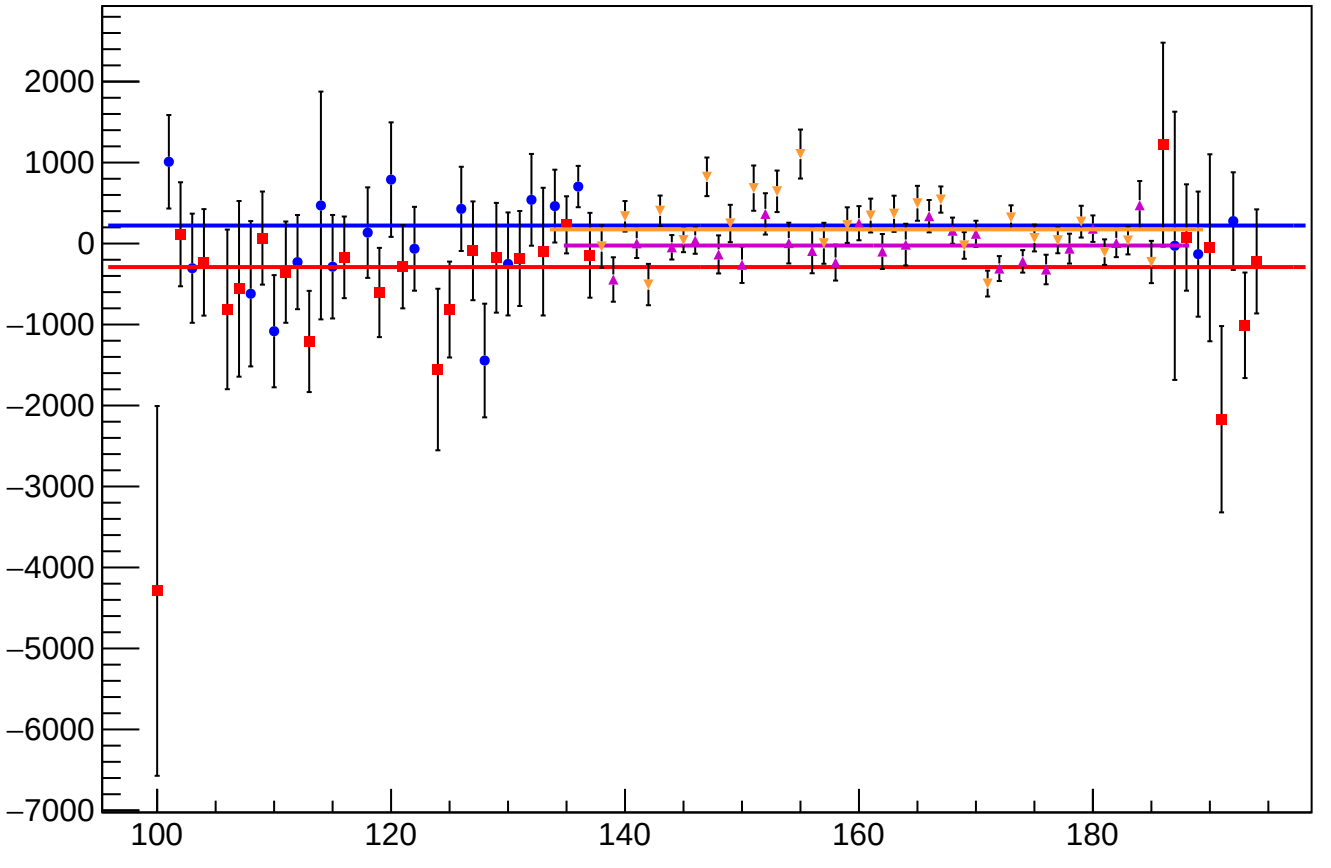
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 28.340+/-0.005 χ^2/NDF: 2628363.4/43

In: 21.528+/-0.003 χ^2/NDF:2159310.3/41

Out: 21.812+/-0.003 χ^2/NDF:3705048.2/49

All: 21.674+/-0.002 χ^2/NDF: 5869006.7/91



Right In: 222.421+/-129.348 χ^2/NDF: 19.9/18

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -290.379+/-128.972 χ^2/NDF: 17.3/24

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

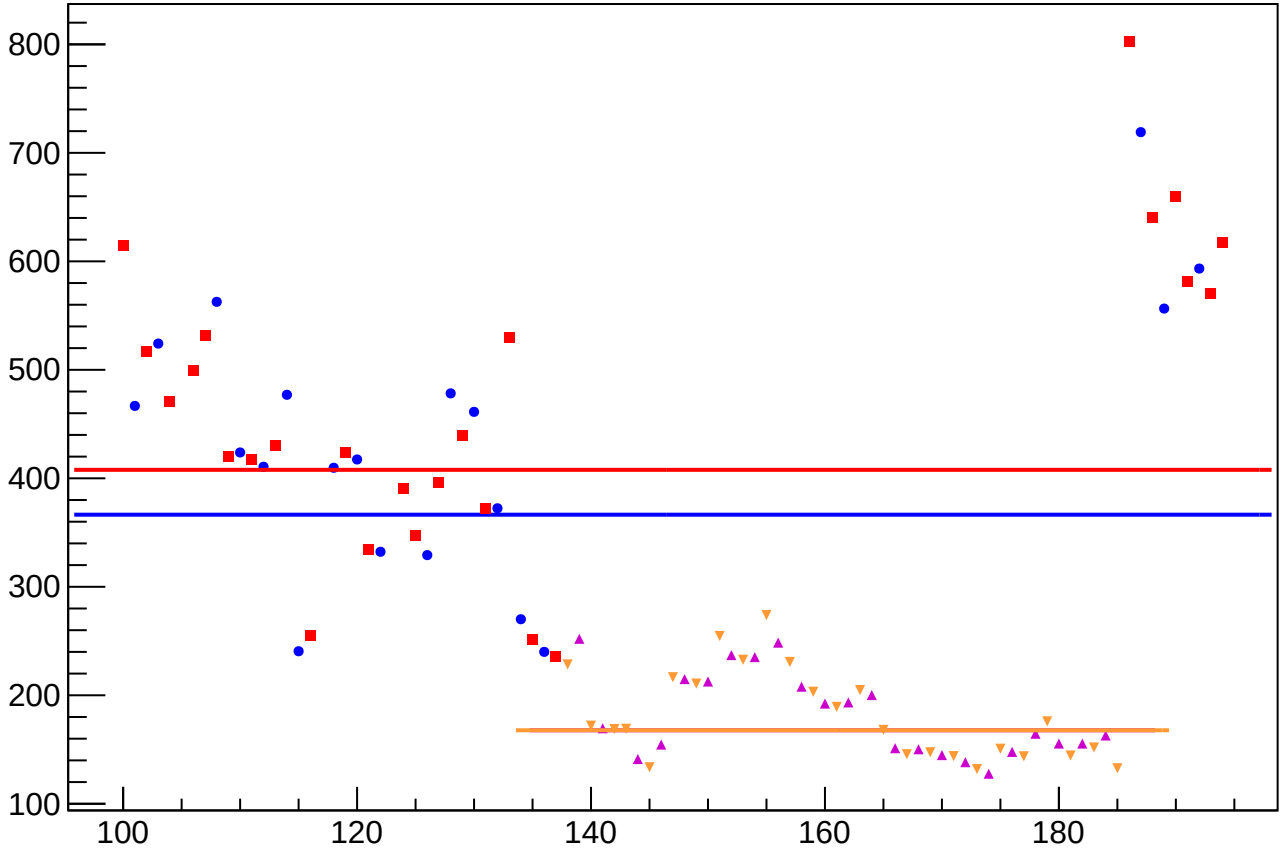
Right: -34.727+/-91.330 χ^2/NDF: 45.1/43

In: -2.961+/-38.276 χ^2/NDF:50.1/41

Out: 135.637+/-37.374 χ^2/NDF:100.5/49

All: 67.991+/-26.740 χ^2/NDF: 157.3/91

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 366.467+/-0.091 χ^2/NDF: 1595085.0/18

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 407.816+/-0.091 χ^2/NDF: 1982481.3/24

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

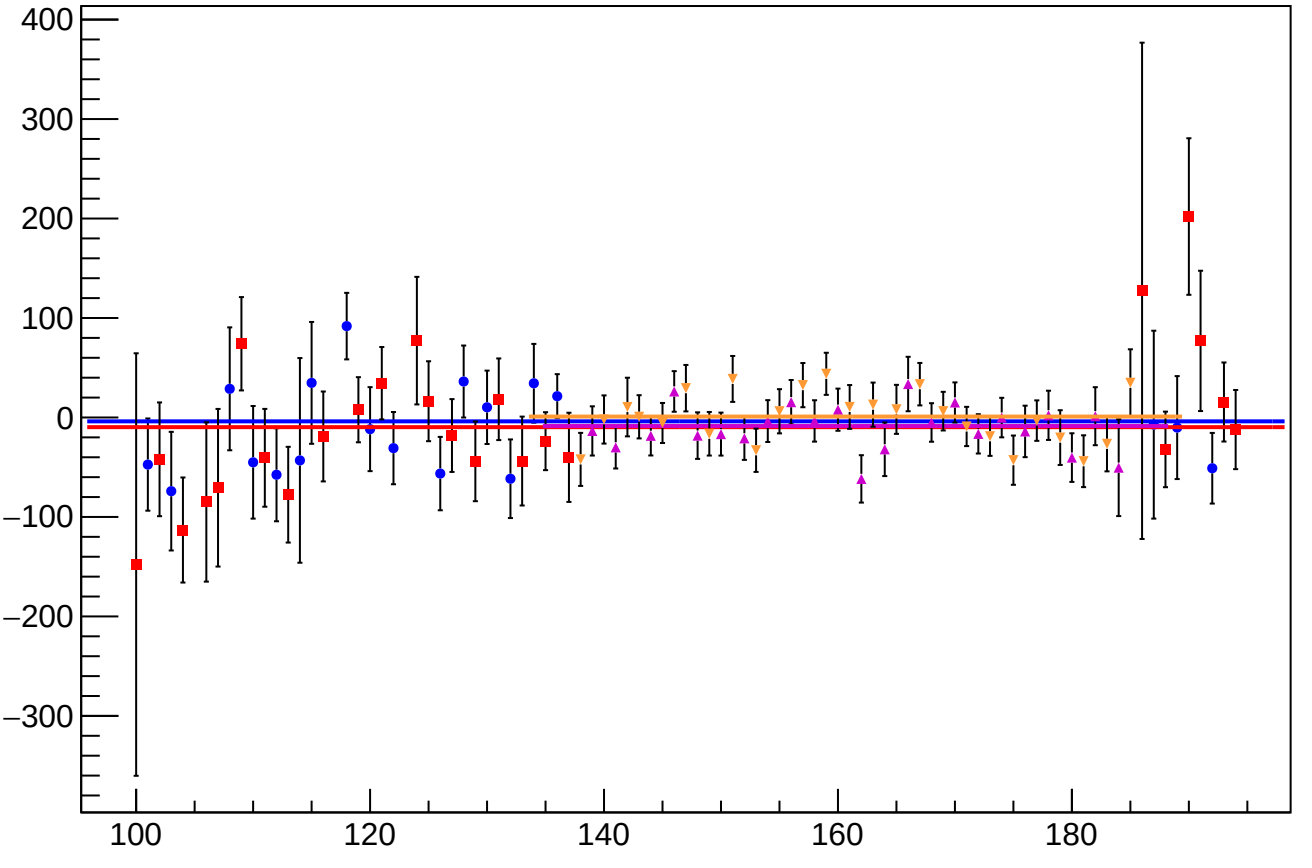
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 387.202+/-0.065 χ^2/NDF: 3680055.7/43

In: 185.149+/-0.027 χ^2/NDF:7305334.1/41

Out: 187.913+/-0.026 χ^2/NDF:9908111.0/49

All: 186.564+/-0.019 χ^2/NDF: 17218784.8/91



Right In: -3.889+/-9.456 χ^2/NDF: 23.3/18

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -9.724+/-9.198 χ^2/NDF: 28.0/24

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

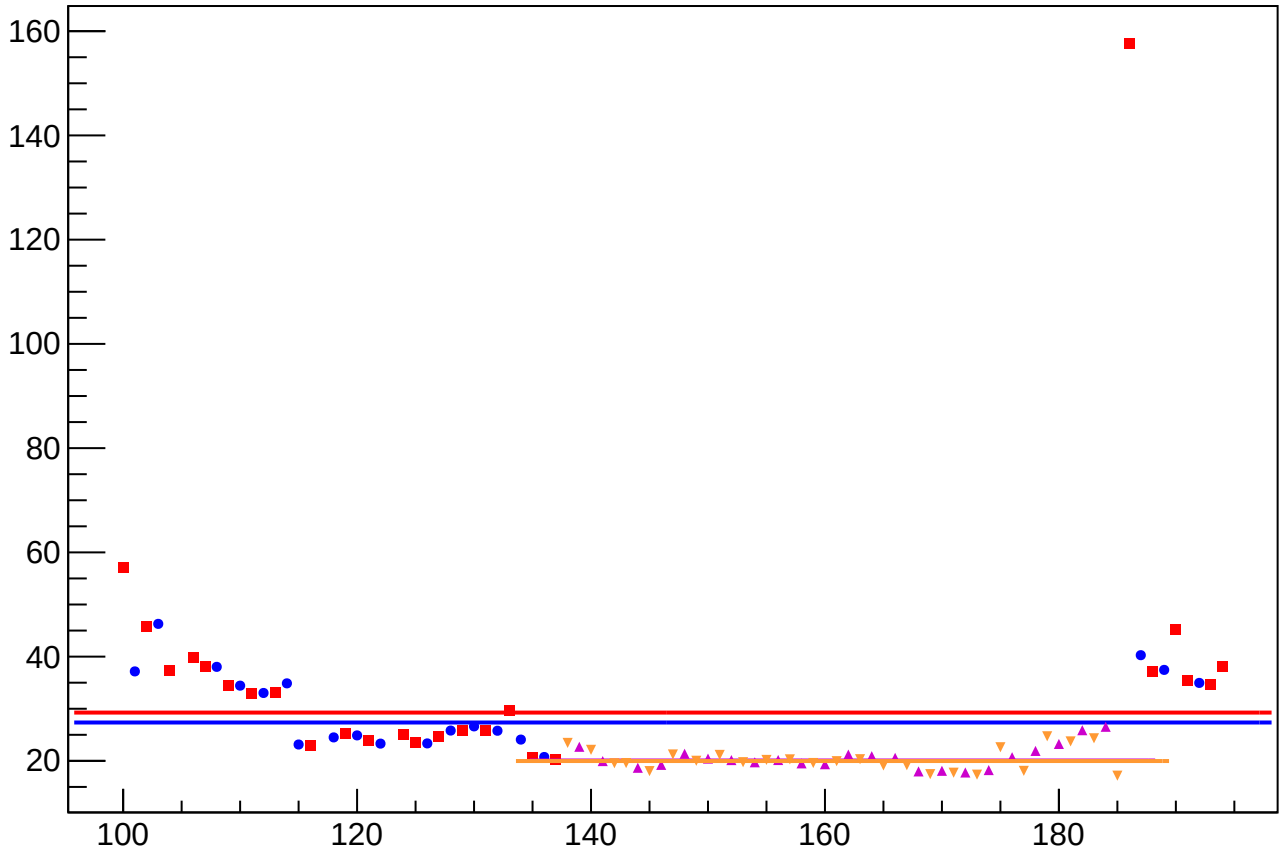
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -6.888+/-6.593 χ^2/NDF: 51.5/43

In: -7.660+/-4.226 χ^2/NDF:42.8/41

Out: -1.195+/-4.096 χ^2/NDF:58.3/49

All: -4.326+/-2.941 χ^2/NDF: 102.4/91



Right In: 27.362+/-0.007 χ^2/NDF: 906518.4/18

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 29.265+/-0.007 χ^2/NDF: 1680196.9/24

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

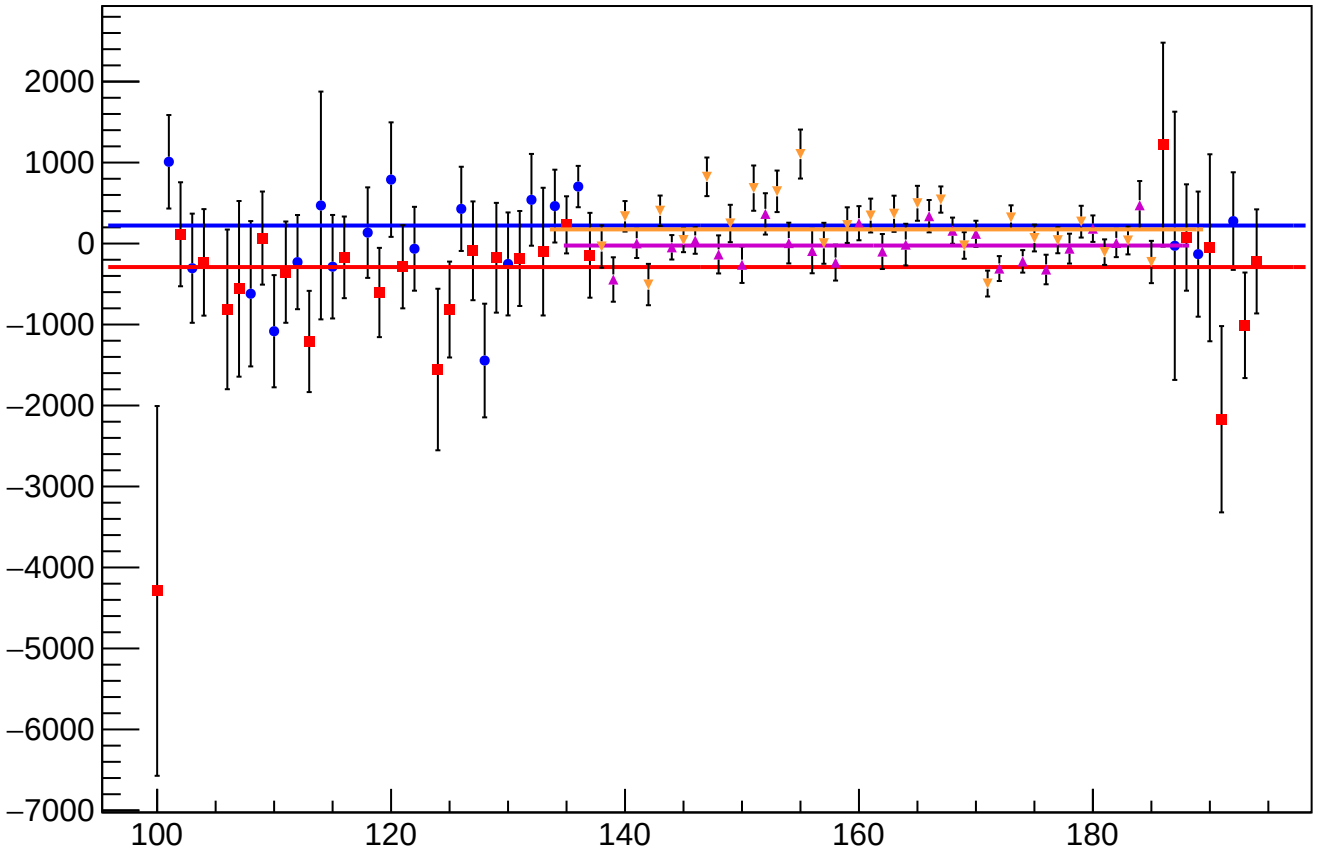
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 28.340+/-0.005 χ^2/NDF: 2628363.4/43

In: 21.528+/-0.003 χ^2/NDF:2159310.3/41

Out: 21.812+/-0.003 χ^2/NDF:3705048.2/49

All: 21.674+/-0.002 χ^2/NDF: 5869006.7/91



Right In: 222.421+/-129.348 χ^2/NDF: 19.9/18

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -290.379+/-128.972 χ^2/NDF: 17.3/24

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

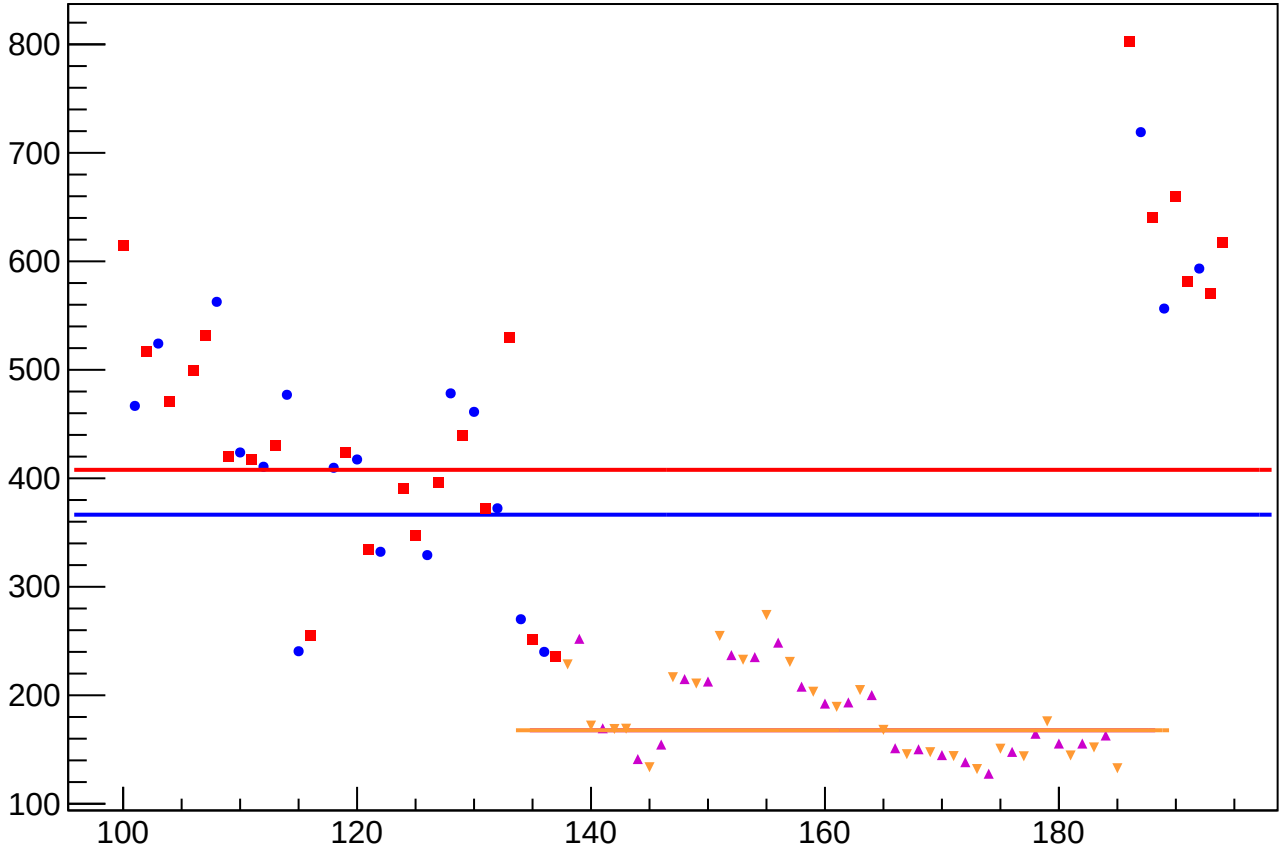
Right: -34.727+/-91.330 χ^2/NDF: 45.1/43

In: -2.961+/-38.276 χ^2/NDF:50.1/41

Out: 135.637+/-37.374 χ^2/NDF:100.5/49

All: 67.991+/-26.740 χ^2/NDF: 157.3/91

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 366.467+/-0.091 χ^2/NDF: 1595085.0/18

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 407.816+/-0.091 χ^2/NDF: 1982481.3/24

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

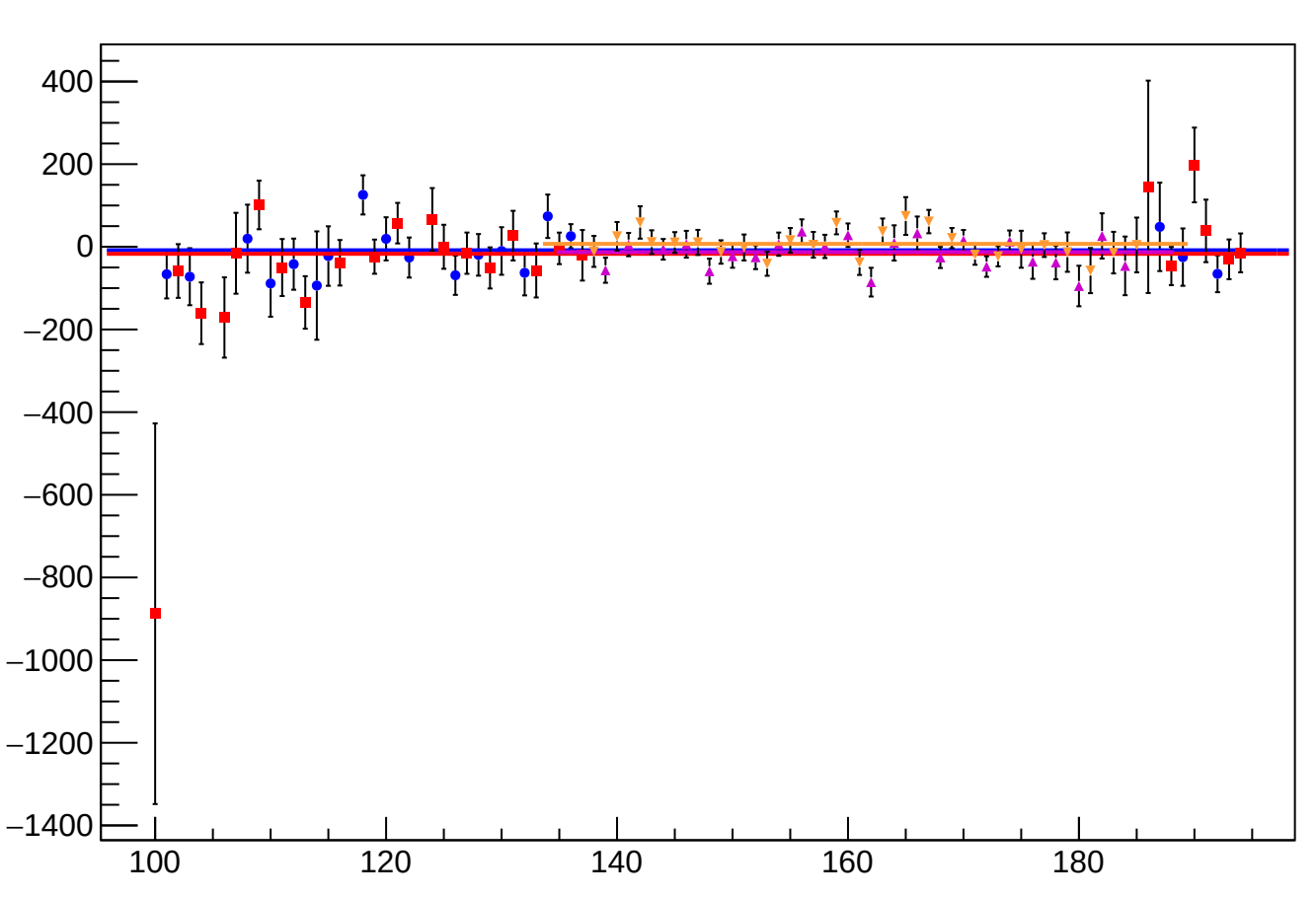
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 387.202+/-0.065 χ^2/NDF: 3680055.7/43

In: 185.149+/-0.027 χ^2/NDF:7305334.1/41

Out: 187.913+/-0.026 χ^2/NDF:9908111.0/49

All: 186.564+/-0.019 χ^2/NDF: 17218784.8/91



Right In: -8.330+/-12.523 χ^2/NDF: 20.6/18

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -16.939+/-11.807 χ^2/NDF: 30.3/24

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

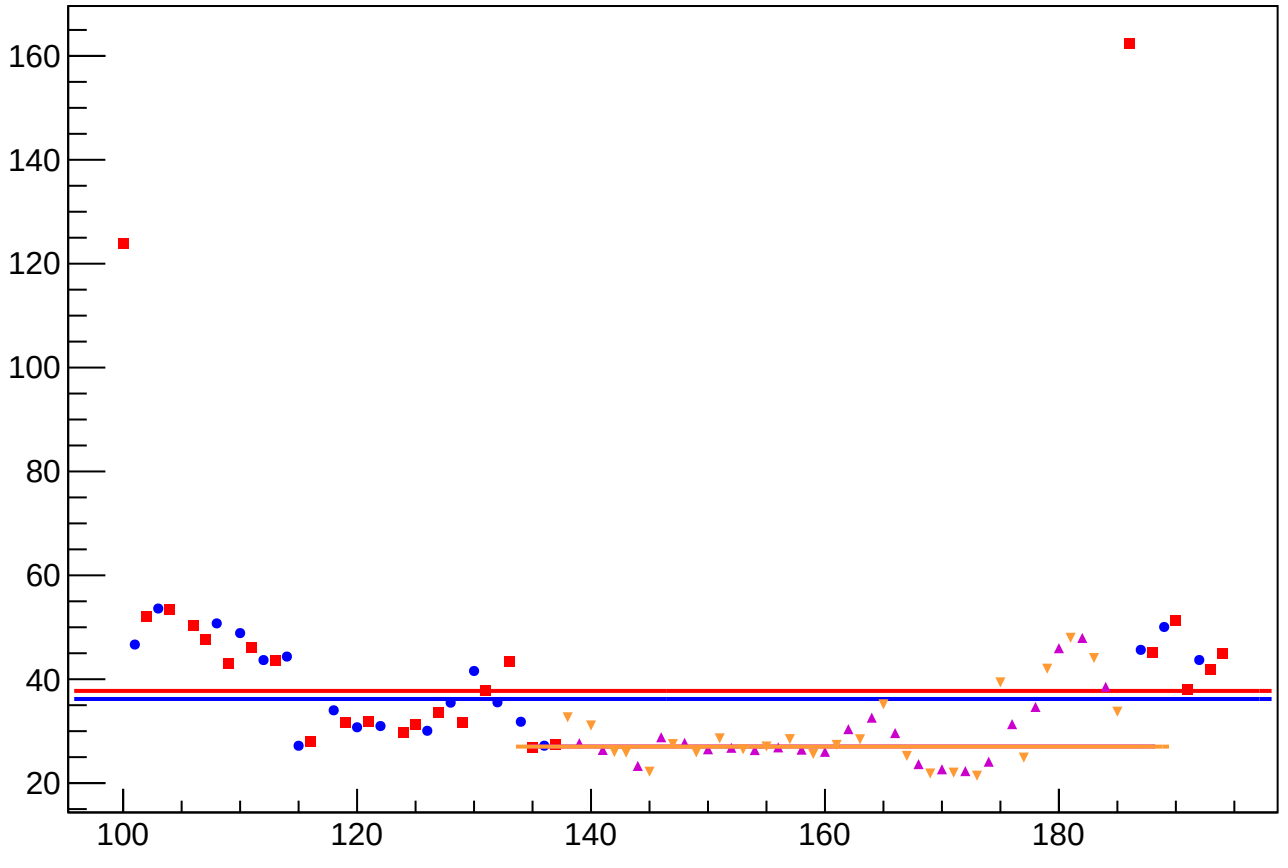
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -12.888+/-8.591 χ^2/NDF: 51.1/43

In: -11.767+/-5.779 χ^2/NDF:46.3/41

Out: 1.713+/-5.581 χ^2/NDF:56.2/49

All: -4.793+/-4.014 χ^2/NDF: 105.3/91



Right In: 36.196+/-0.009 χ^2/NDF: 830713.9/18

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 37.748+/-0.008 χ^2/NDF: 1461273.8/24

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

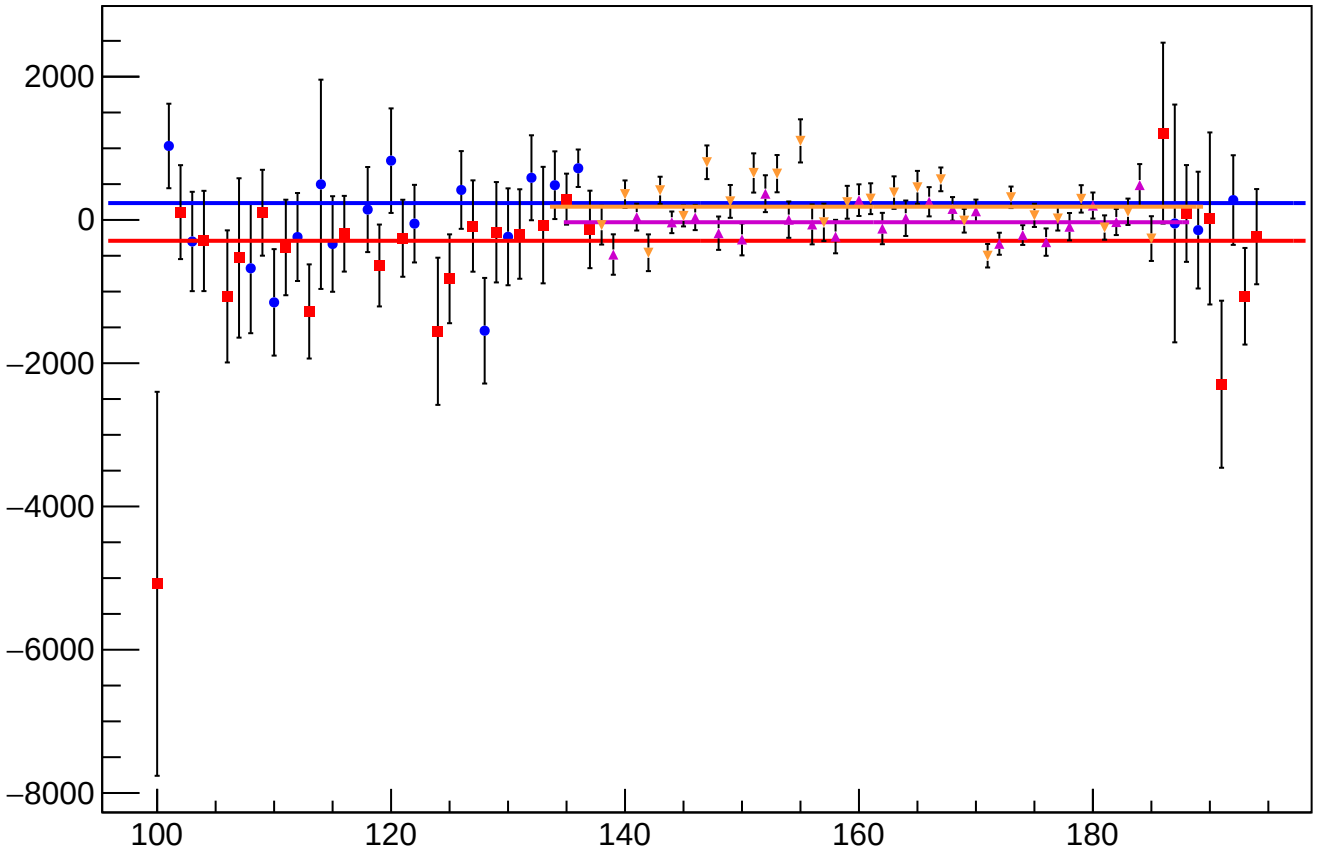
Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

Right: 37.018+/-0.006 χ^2/NDF: 2308257.8/43

In: 28.999+/-0.004 χ^2/NDF:2714248.7/41

Out: 29.422+/-0.004 χ^2/NDF:4172514.5/49

All: 29.218+/-0.003 χ^2/NDF: 6892306.1/91



Right In: 235.424+/-134.542 χ^2/NDF: 20.0/18

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

Right Out: -291.065+/-133.538 χ^2/NDF: 18.7/24

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

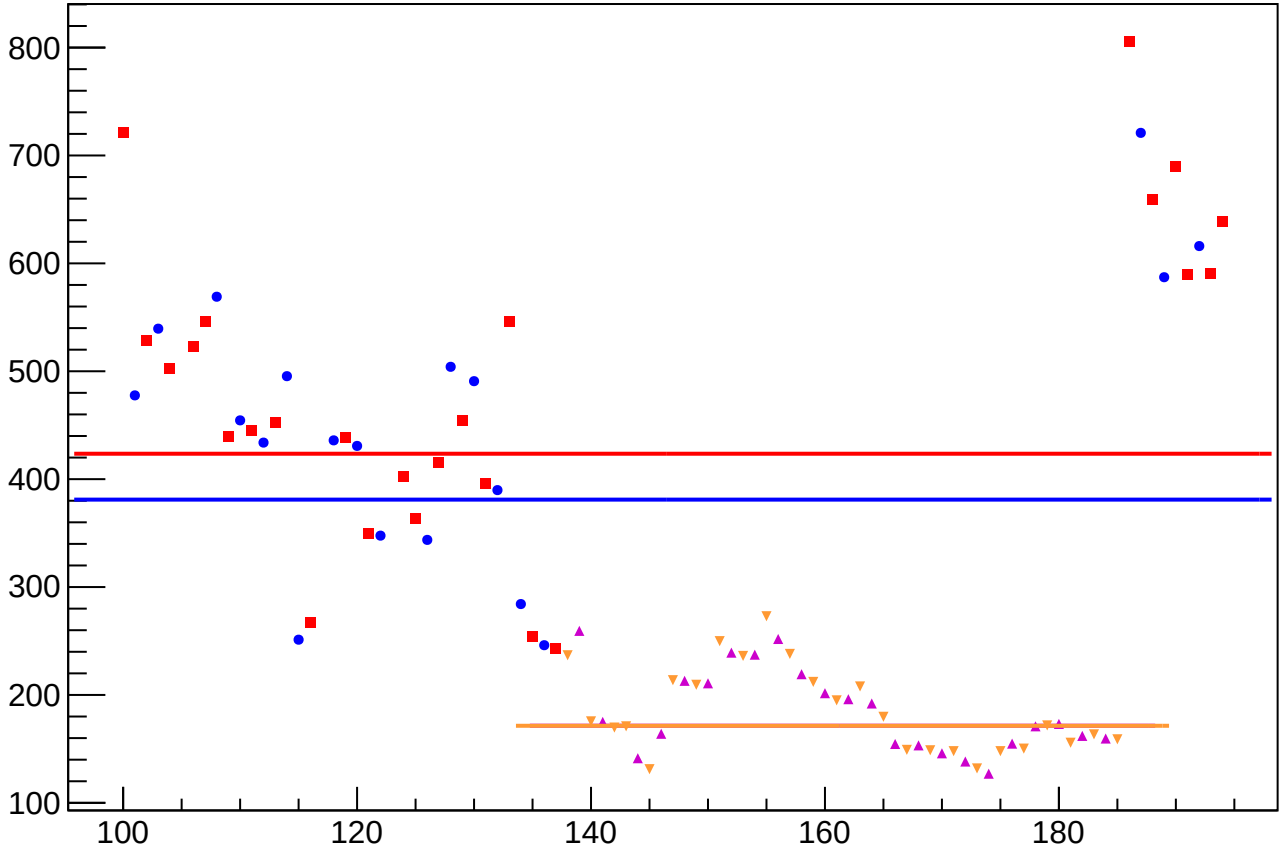
Right: -29.792+/-94.779 χ^2/NDF: 46.5/43

In: -9.202+/-39.197 χ^2/NDF:50.0/41

Out: 145.805+/-38.170 χ^2/NDF:98.1/49

All: 70.360+/-27.346 χ^2/NDF: 156.1/91

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.040+/-0.095 χ^2/NDF: 1628835.6/18

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 423.567+/-0.094 χ^2/NDF: 2014379.6/24

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

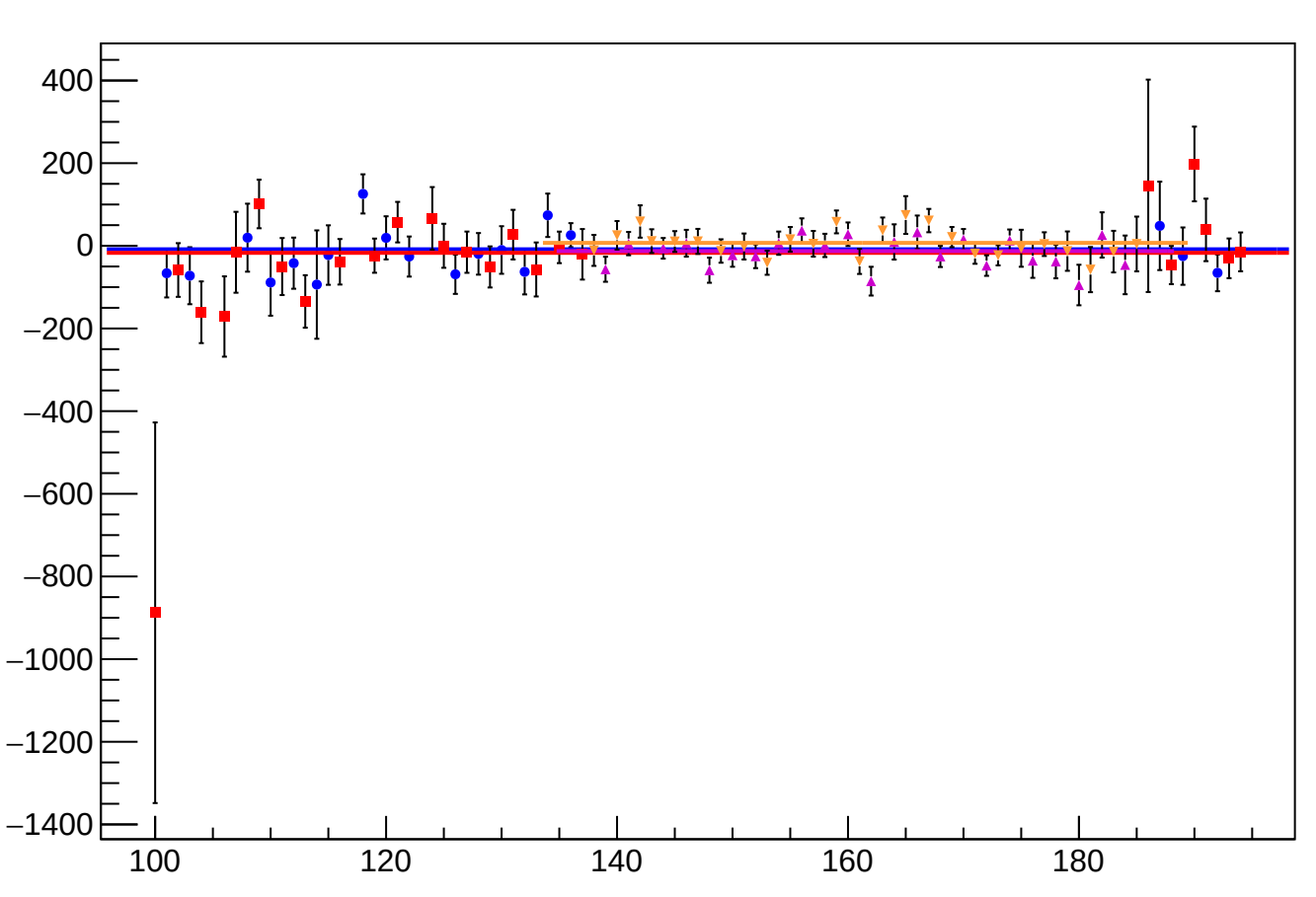
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 402.463+/-0.067 χ^2/NDF: 3743876.8/43

In: 189.276+/-0.028 χ^2/NDF:7484451.9/41

Out: 192.027+/-0.027 χ^2/NDF:10088934.1/49

All: 190.688+/-0.019 χ^2/NDF: 17578443.2/91



Right In: -8.331+/-12.523 χ^2/NDF: 20.6/18

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -16.938+/-11.807 χ^2/NDF: 30.3/24

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

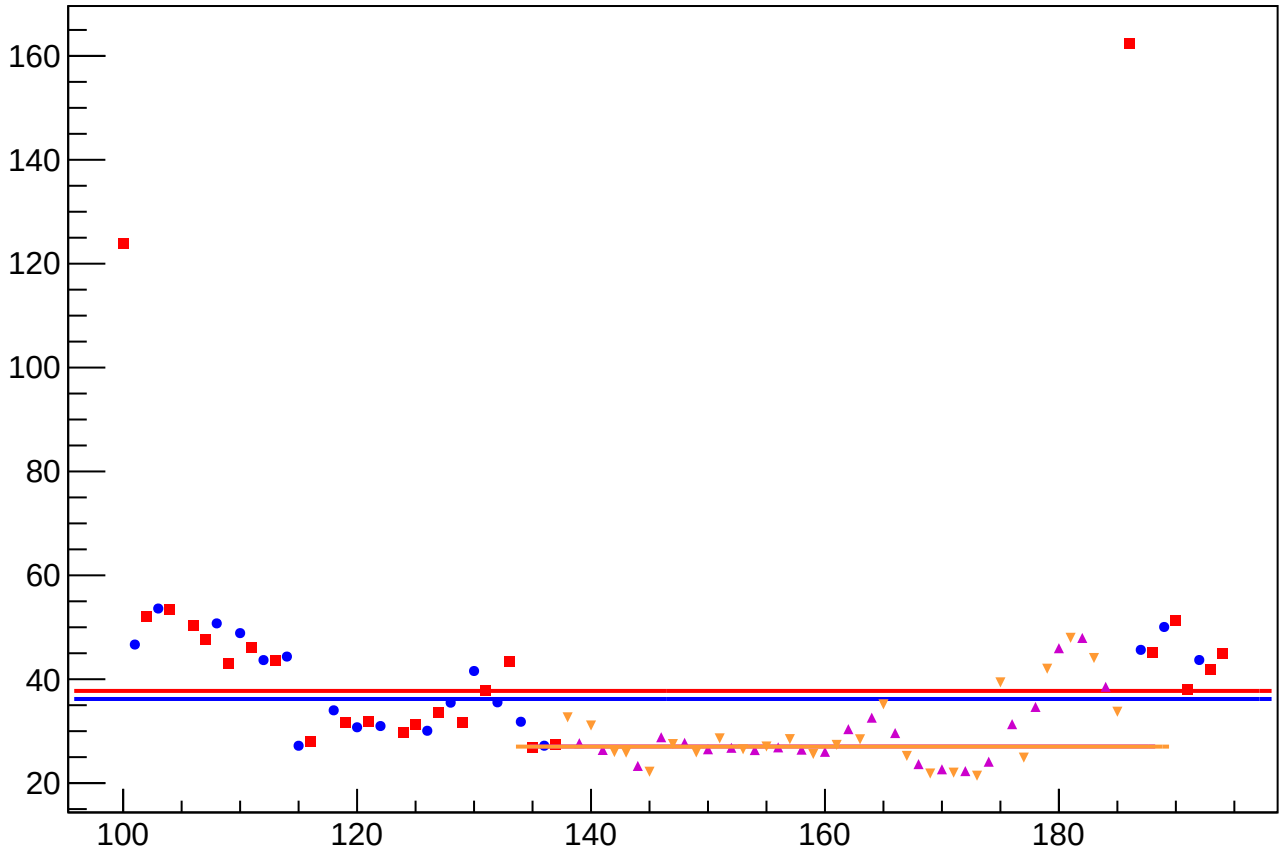
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -12.888+/-8.591 χ^2/NDF: 51.1/43

In: -11.767+/-5.779 χ^2/NDF:46.3/41

Out: 1.713+/-5.581 χ^2/NDF:56.2/49

All: -4.793+/-4.014 χ^2/NDF: 105.3/91



Right In: 36.195+/-0.009 χ^2/NDF: 830676.8/18

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

Right Out: 37.748+/-0.008 χ^2/NDF: 1461264.8/24

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

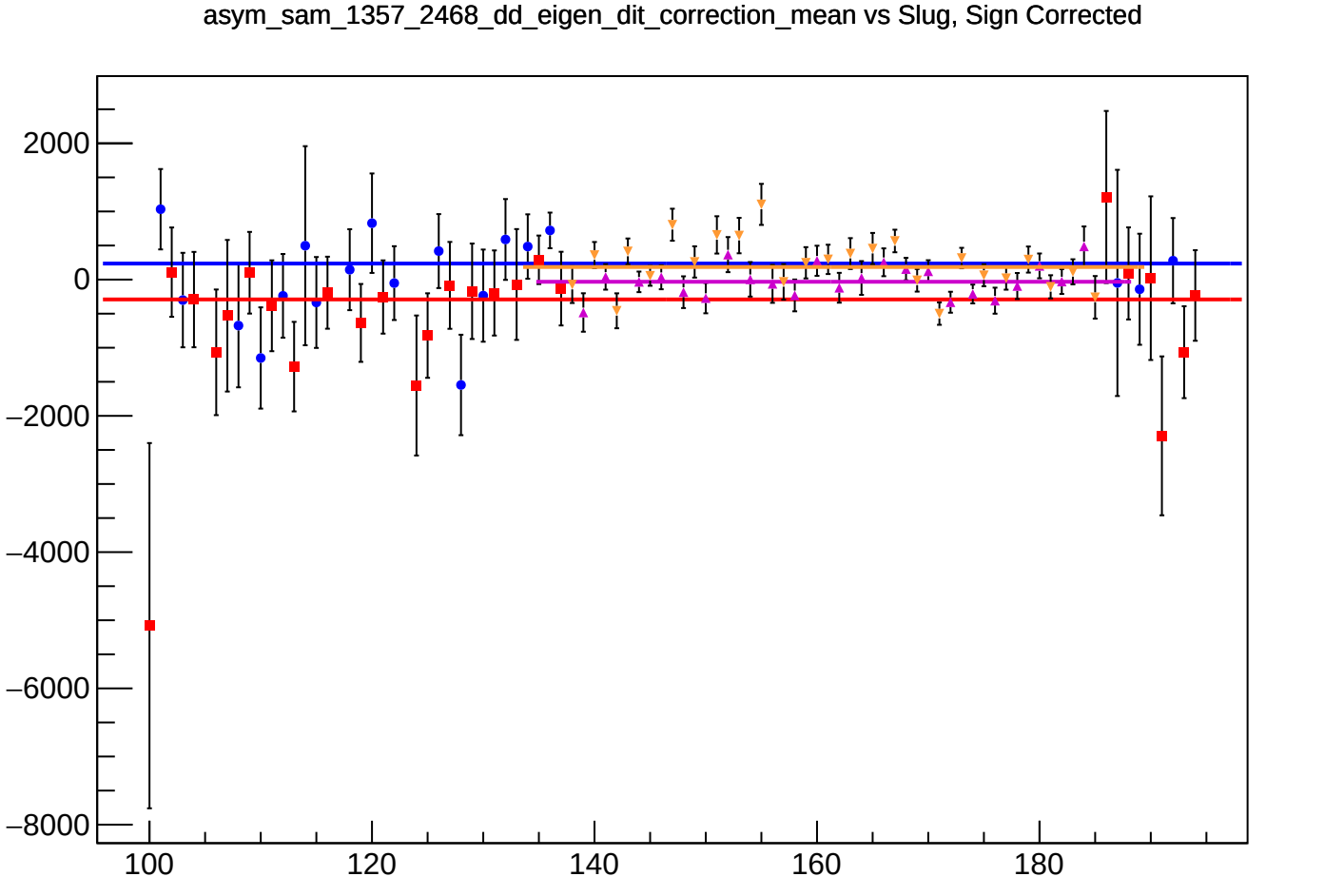
Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

Right: 37.017+/-0.006 χ^2/NDF: 2308214.0/43

In: 28.999+/-0.004 χ^2/NDF:2714108.7/41

Out: 29.422+/-0.004 χ^2/NDF:4172420.6/49

All: 29.218+/-0.003 χ^2/NDF: 6892073.2/91



Right In: 235.422+/-134.542 χ^2/NDF: 20.0/18

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

Right Out: -291.065+/-133.538 χ^2/NDF: 18.7/24

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

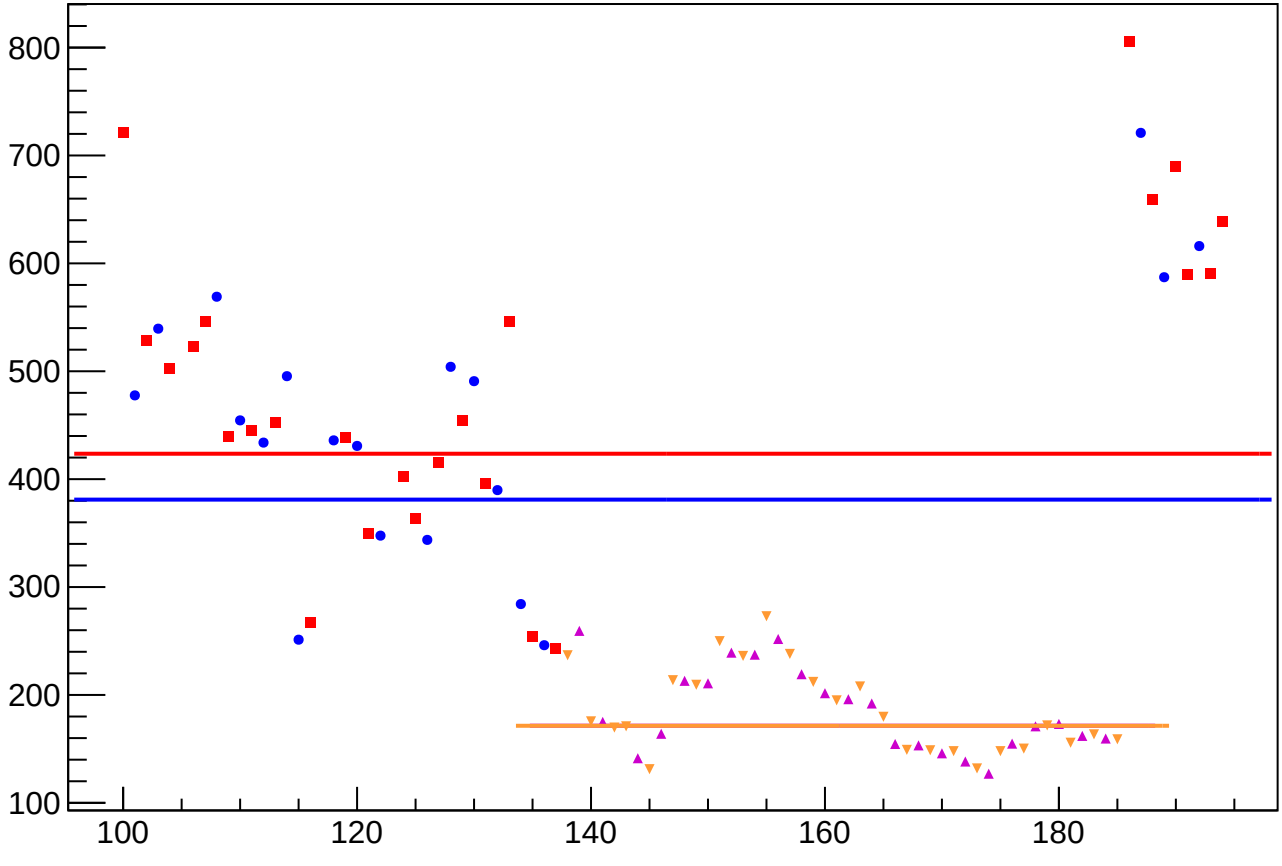
Right: -29.793+/-94.778 χ^2/NDF: 46.5/43

In: -9.202+/-39.197 χ^2/NDF:50.0/41

Out: 145.805+/-38.170 χ^2/NDF:98.1/49

All: 70.359+/-27.346 χ^2/NDF: 156.1/91

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.039+/-0.095 χ^2/NDF: 1628830.1/18

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 423.566+/-0.094 χ^2/NDF: 2014382.2/24

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

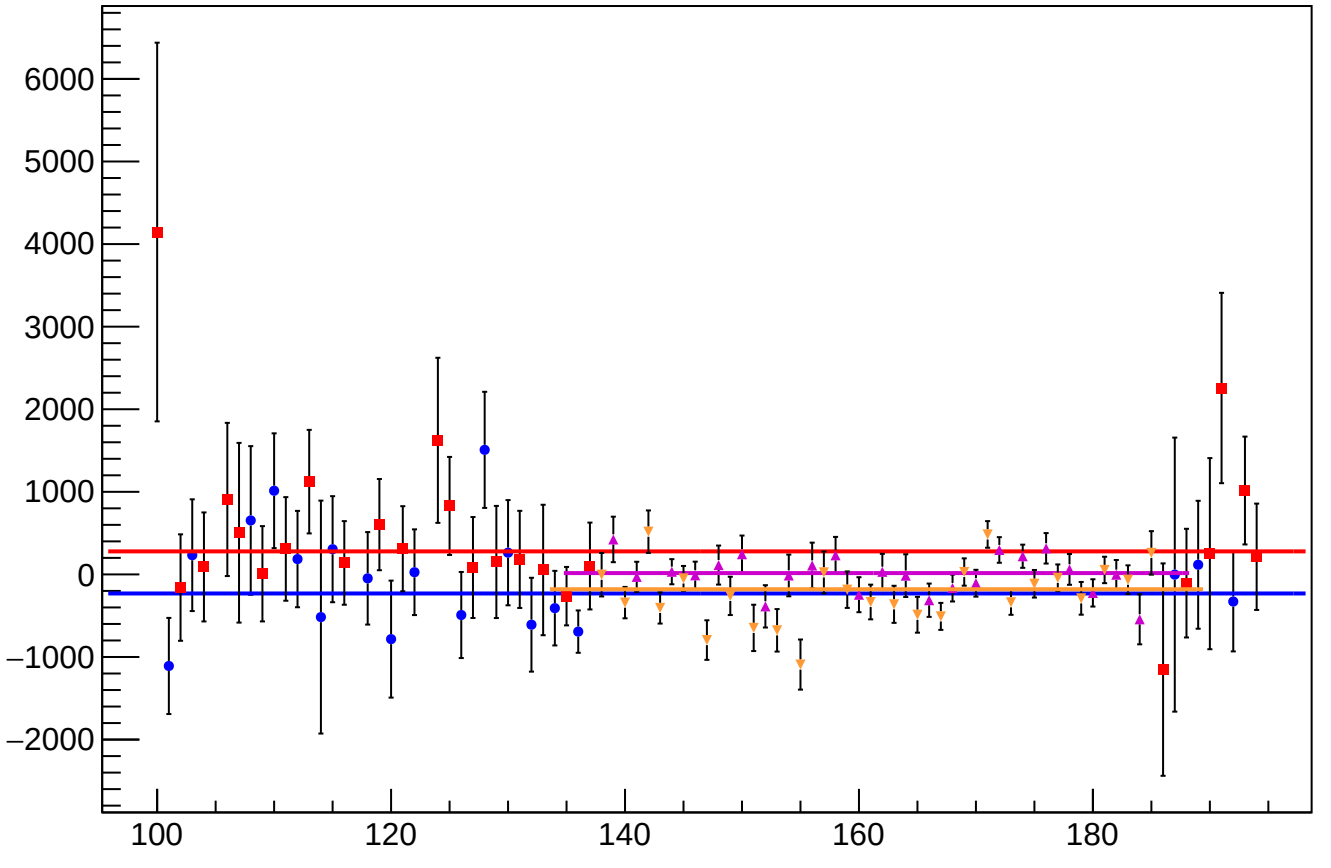
Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

Right: 402.462+/-0.067 χ^2/NDF: 3743874.3/43

In: 189.276+/-0.028 χ^2/NDF:7484470.5/41

Out: 192.027+/-0.027 χ^2/NDF:10088962.4/49

All: 190.688+/-0.019 χ^2/NDF: 17578490.3/91



Right In: -230.834+/-129.791 χ^2/NDF: 20.2/18

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: 278.800+/-129.217 χ^2/NDF: 17.5/24

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

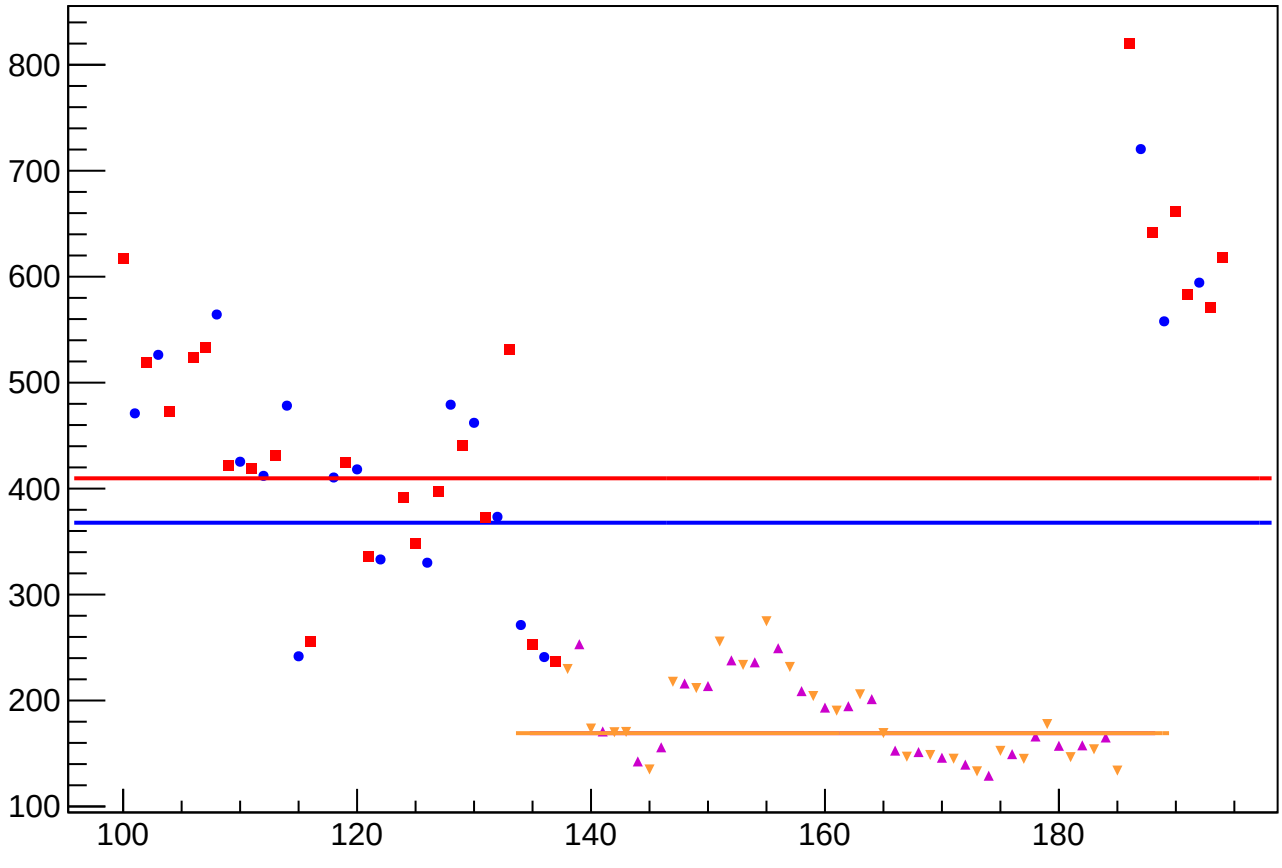
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: 25.113+/-91.572 χ^2/NDF: 45.5/43

In: -5.747+/-38.571 χ^2/NDF:50.1/41

Out: -140.724+/-37.655 χ^2/NDF:96.2/49

All: -74.857+/-26.944 χ^2/NDF: 152.5/91



Right In: 367.799+/-0.092 χ^2/NDF: 1591200.7/18

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

Right Out: 409.716+/-0.091 χ^2/NDF: 1997822.6/24

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

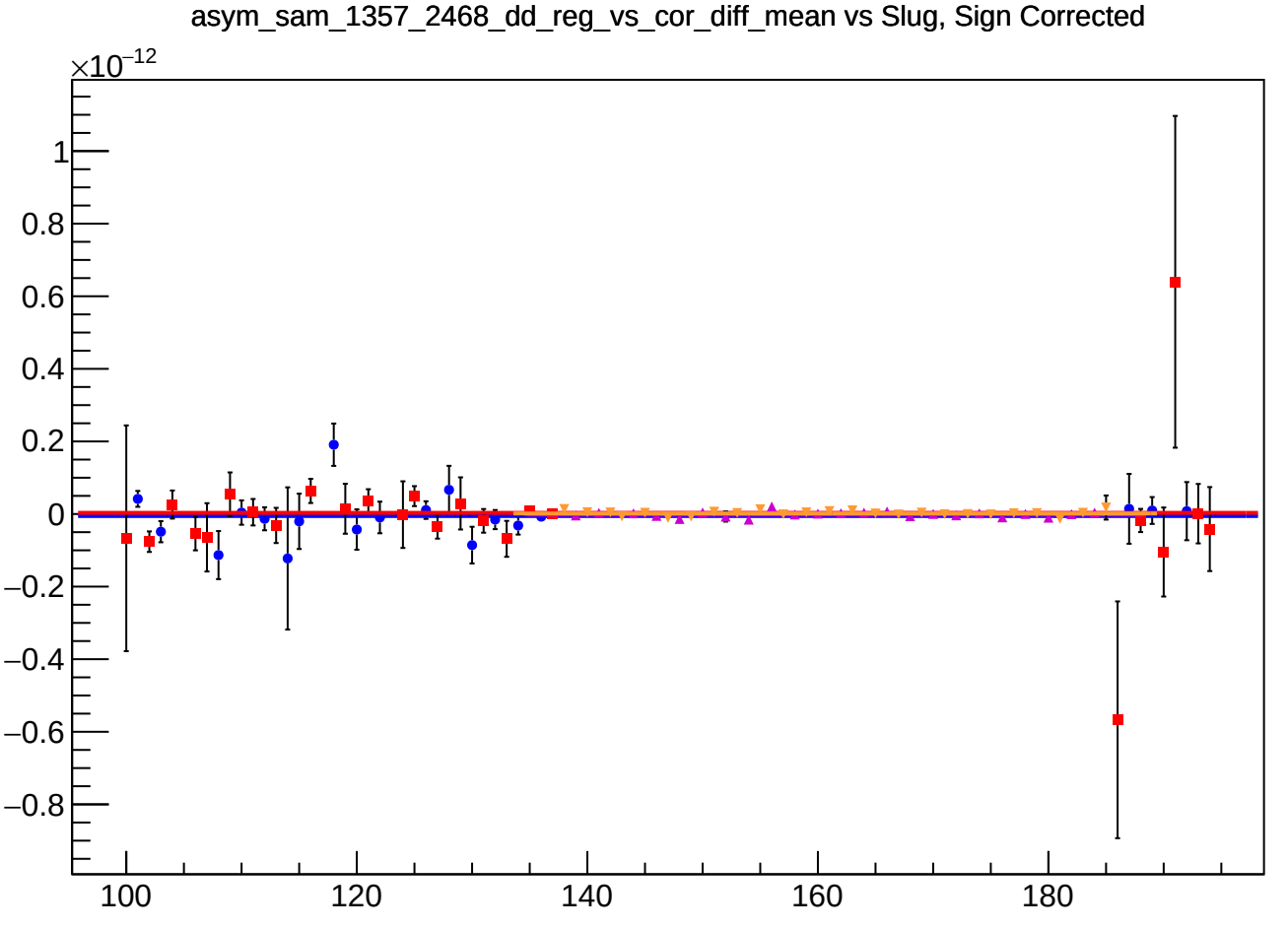
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

Right: 388.850+/-0.065 χ^2/NDF: 3693788.9/43

In: 186.728+/-0.027 χ^2/NDF:7235345.0/41

Out: 189.608+/-0.027 χ^2/NDF:9887282.2/49

All: 188.202+/-0.019 χ^2/NDF: 17128337.7/91



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.4/24

Left In: -0.000+/-0.000 χ^2/NDF:19.7/22

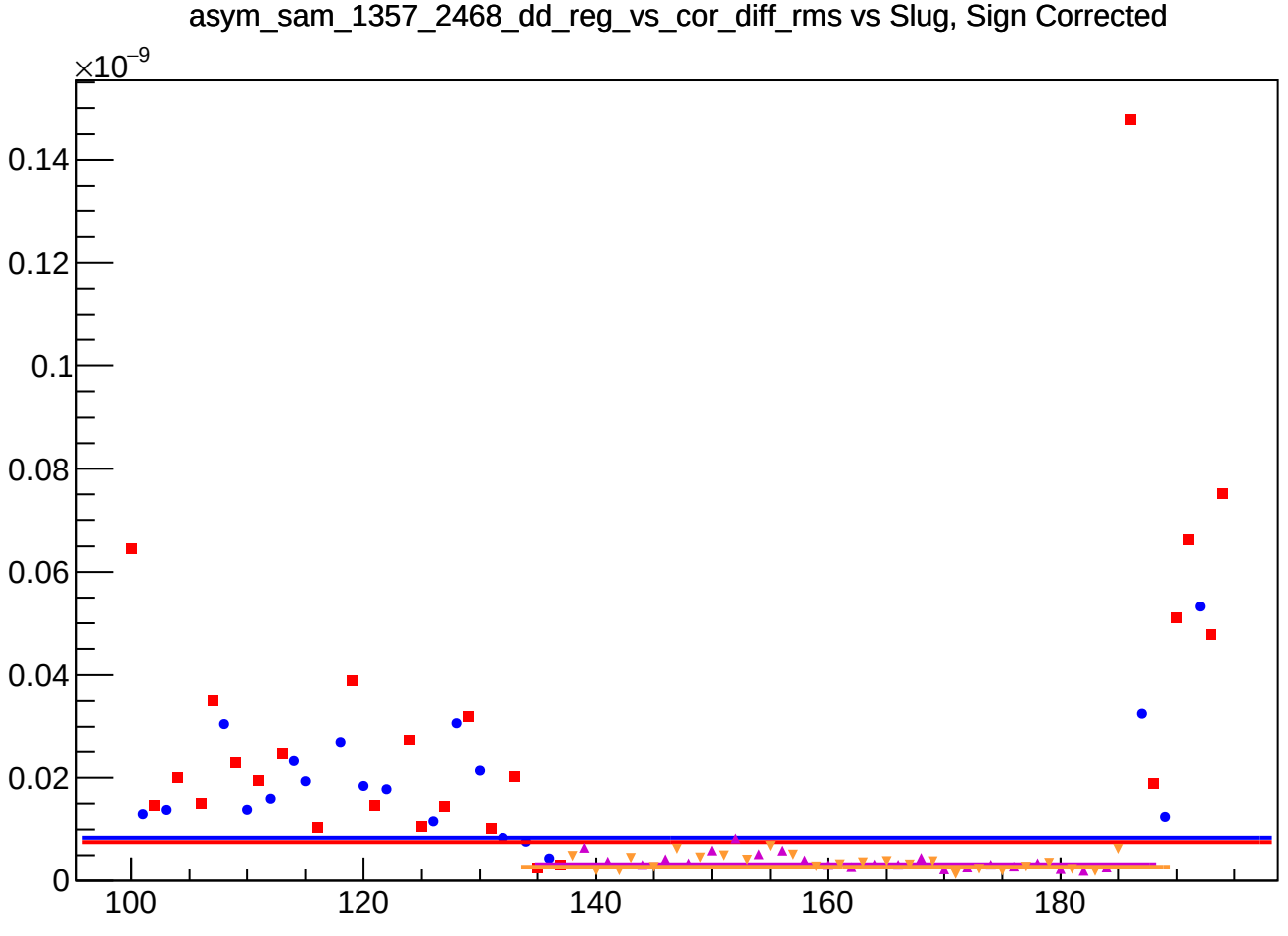
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

Right: -0.000+/-0.000 χ^2/NDF: 58.1/43

In: -0.000+/-0.000 χ^2/NDF:47.7/41

Out: 0.000+/-0.000 χ^2/NDF:48.3/49

All: 0.000+/-0.000 χ^2/NDF: 99.4/91



Right In: 0.000+/-0.000 χ^2/NDF: 2736456.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5491193.3/24

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

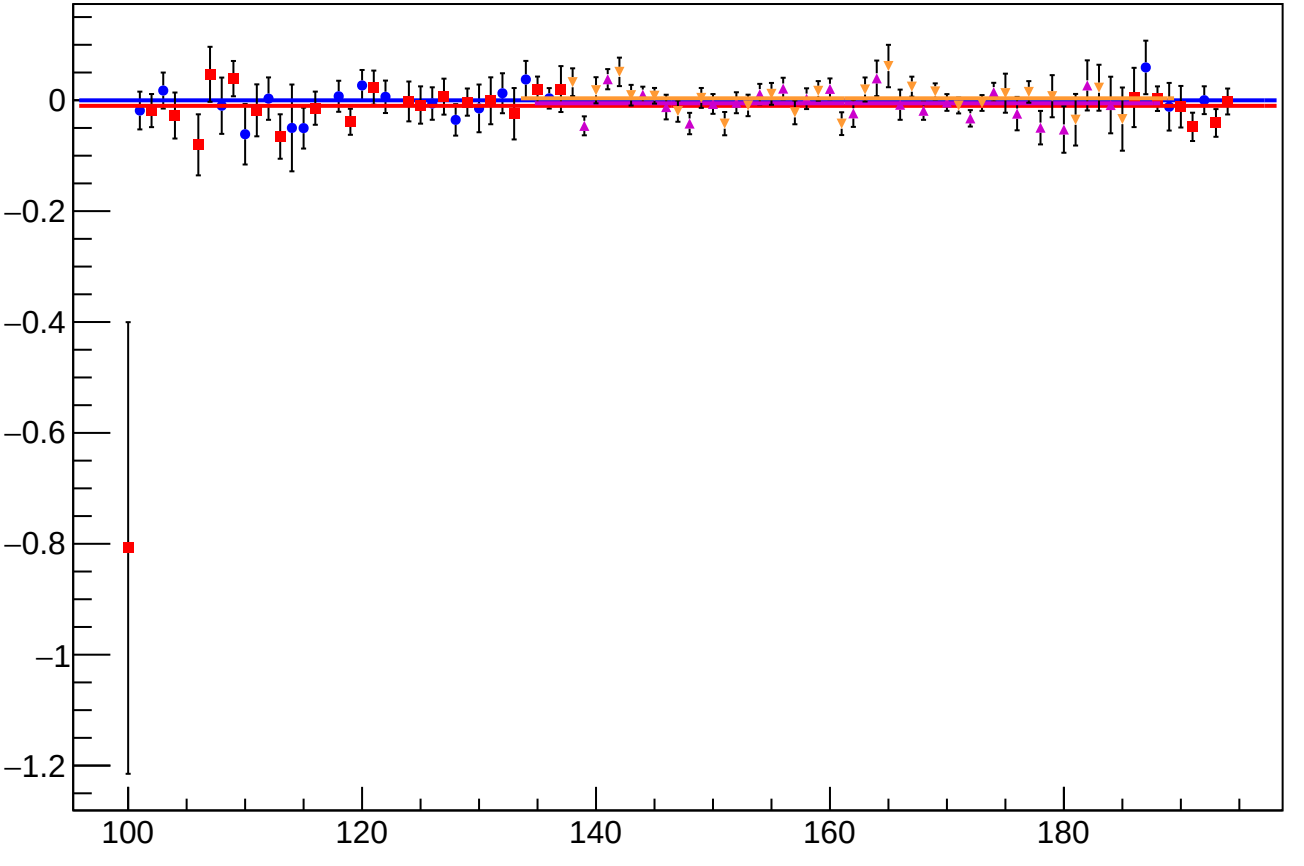
Right: 0.000+/-0.000 χ^2/NDF: 8251361.9/43

In: 0.000+/-0.000 χ^2/NDF:5714864.0/41

Out: 0.000+/-0.000 χ^2/NDF:8909575.1/49

All: 0.000+/-0.000 χ^2/NDF: 14829085.9/91

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.007 χ^2/NDF: 9.9/18

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.010+/-0.006 χ^2/NDF: 20.7/24

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

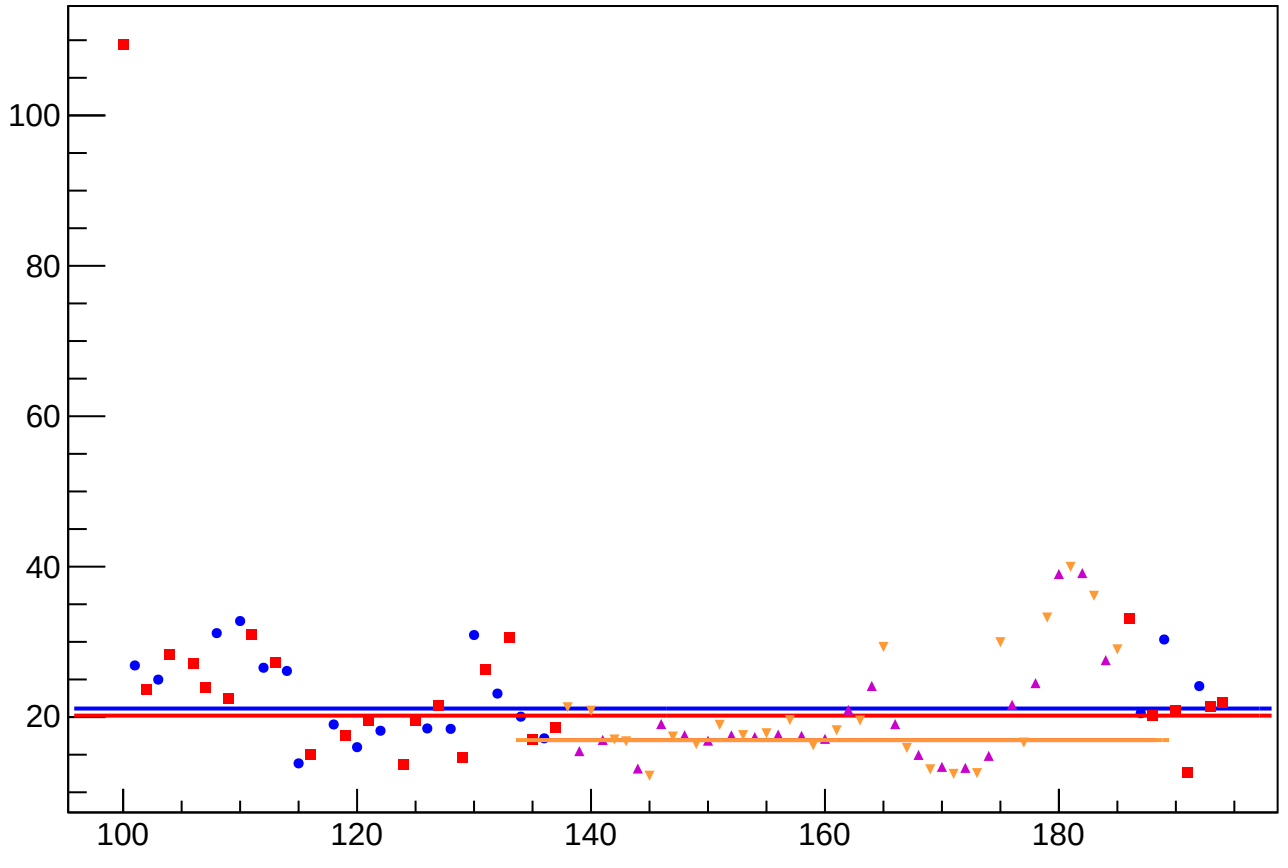
Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

Right: -0.006+/-0.005 χ^2/NDF: 31.6/43

In: -0.004+/-0.004 χ^2/NDF:43.5/41

Out: -0.000+/-0.003 χ^2/NDF:50.9/49

All: -0.002+/-0.003 χ^2/NDF: 94.9/91



Right In: 21.136+/-0.005 χ^2/NDF: 837481.6/18

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 20.194+/-0.005 χ^2/NDF: 1176899.6/24

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

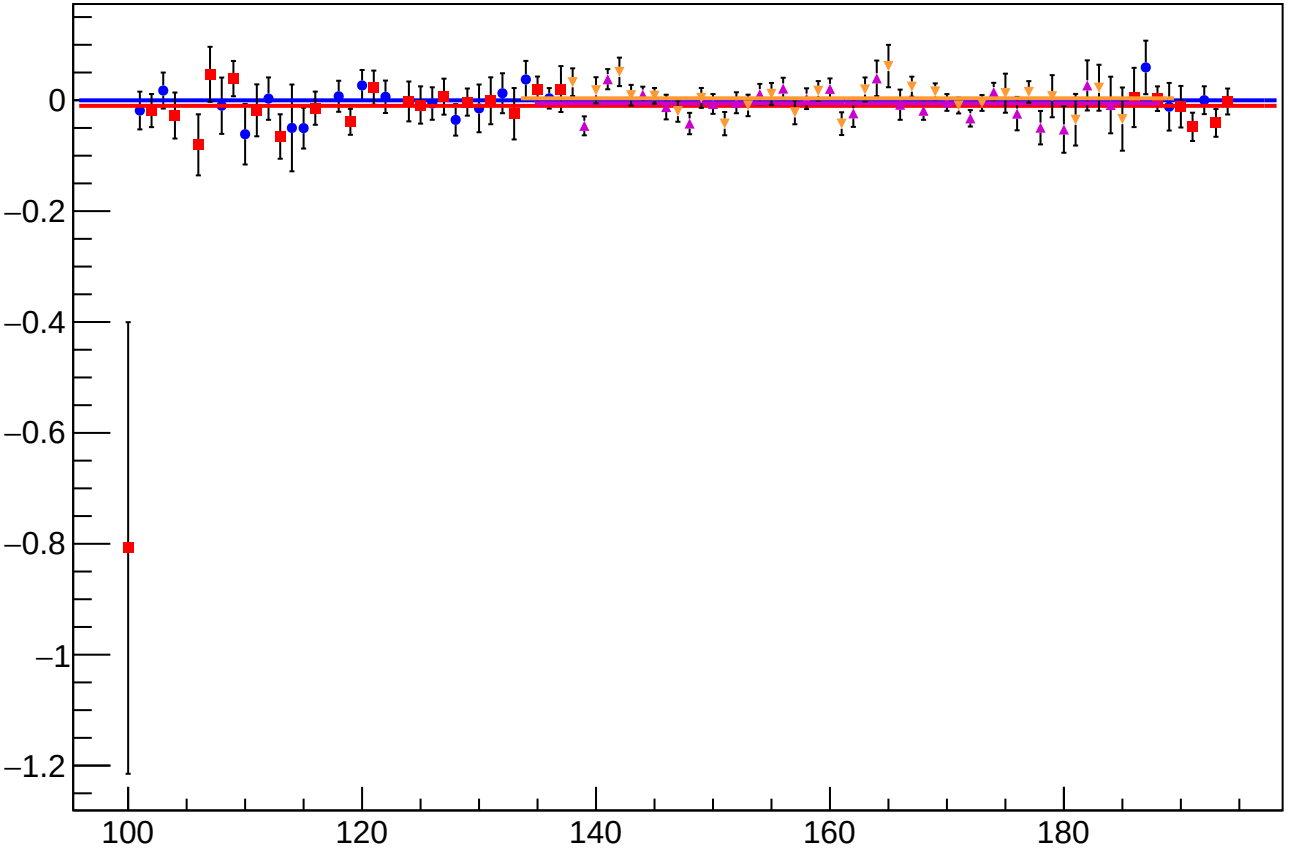
Right: 20.596+/-0.003 χ^2/NDF: 2032624.2/43

In: 17.948+/-0.003 χ^2/NDF:3259120.3/41

Out: 17.876+/-0.002 χ^2/NDF:4378295.6/49

All: 17.910+/-0.002 χ^2/NDF: 7637828.6/91

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.007 χ^2/NDF: 9.9/18

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.010+/-0.006 χ^2/NDF: 20.7/24

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

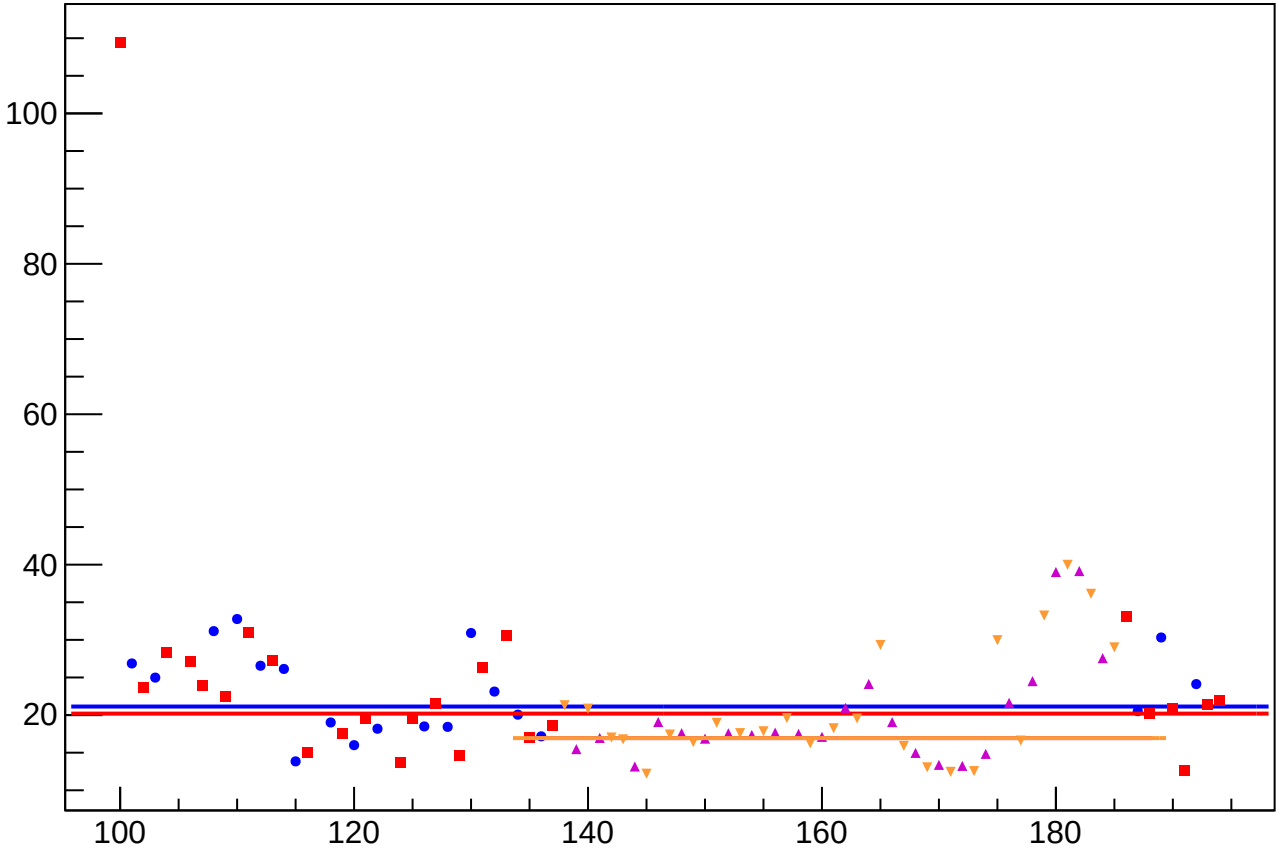
Right: -0.006+/-0.005 χ^2/NDF: 31.6/43

In: -0.004+/-0.004 χ^2/NDF:43.5/41

Out: -0.000+/-0.003 χ^2/NDF:50.9/49

All: -0.002+/-0.003 χ^2/NDF: 94.9/91

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.136+/-0.005 χ^2/NDF: 837481.6/18

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 20.194+/-0.005 χ^2/NDF: 1176899.6/24

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

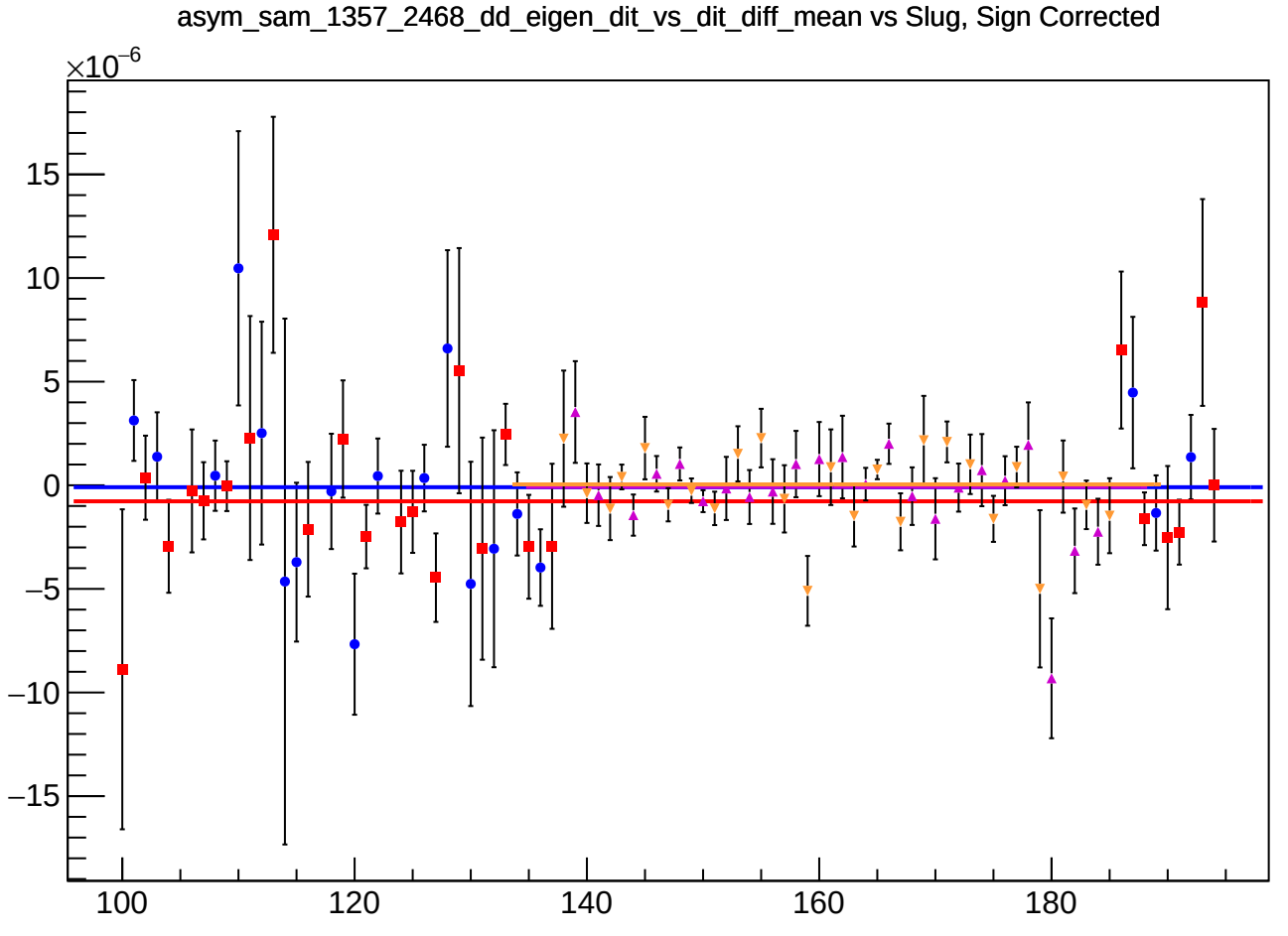
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 20.596+/-0.003 χ^2/NDF: 2032624.2/43

In: 17.948+/-0.003 χ^2/NDF:3259120.3/41

Out: 17.876+/-0.002 χ^2/NDF:4378295.6/49

All: 17.910+/-0.002 χ^2/NDF: 7637828.6/91



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/24

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

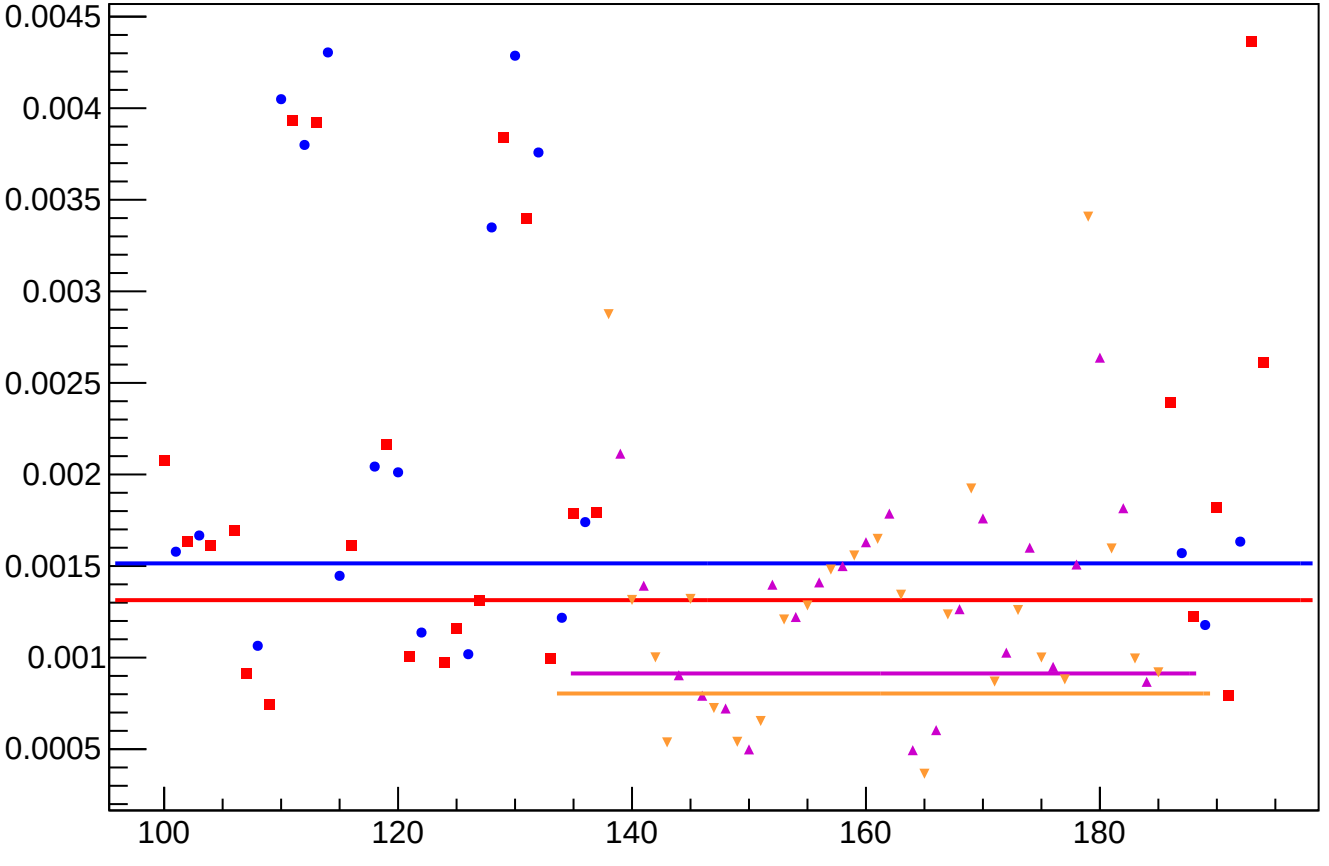
Right: -0.000+/-0.000 χ^2/NDF: 53.5/43

In: -0.000+/-0.000 χ^2/NDF:53.4/41

Out: -0.000+/-0.000 χ^2/NDF:70.0/49

All: -0.000+/-0.000 χ^2/NDF: 123.5/91

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2496618.5/18

Left Out: 0.001+/-0.000 χ^2/NDF:8261261.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4321170.4/24

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

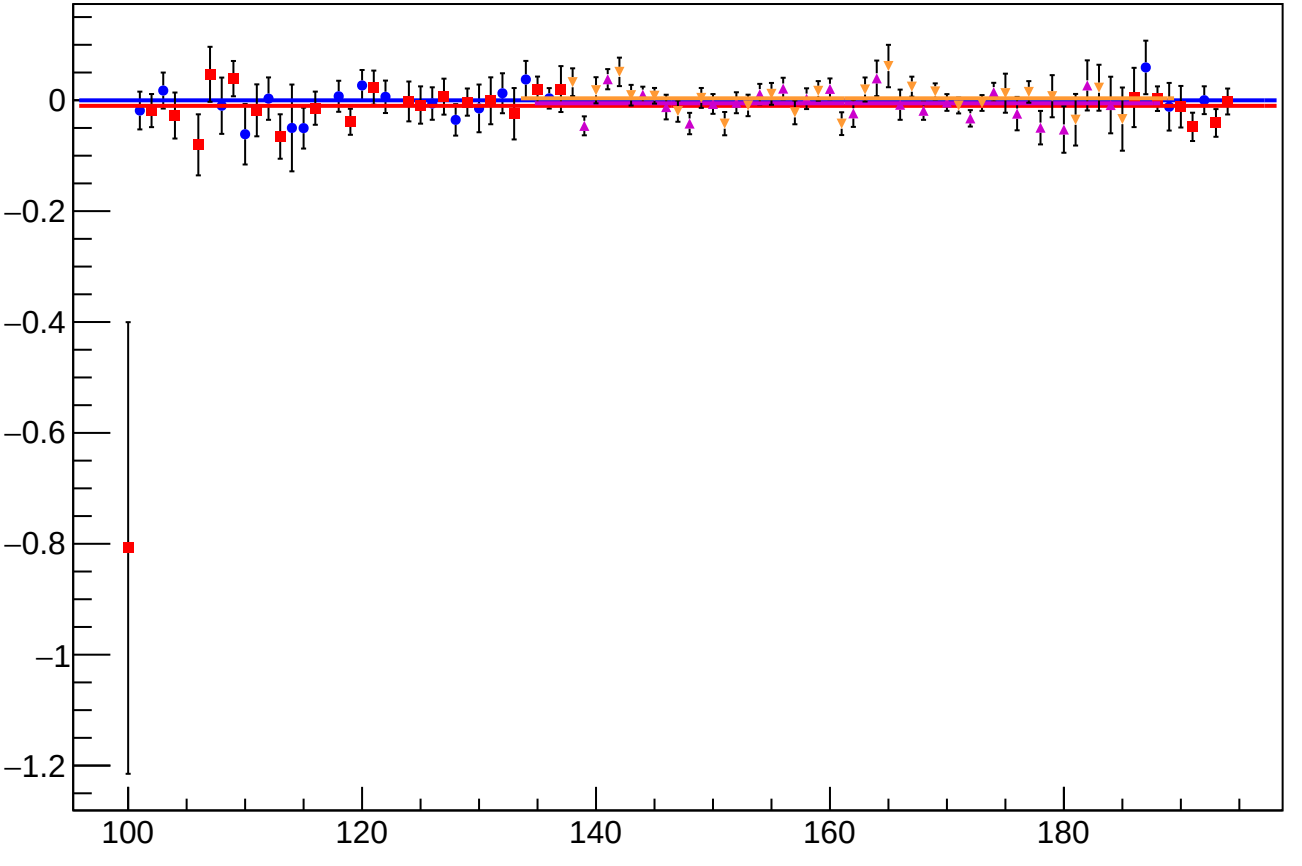
Right: 0.001+/-0.000 χ^2/NDF: 6973016.4/43

In: 0.001+/-0.000 χ^2/NDF:10851342.1/41

Out: 0.001+/-0.000 χ^2/NDF:14713915.2/49

All: 0.001+/-0.000 χ^2/NDF: 25859763.7/91

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.007 χ^2/NDF: 9.9/18

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.010+/-0.006 χ^2/NDF: 20.7/24

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

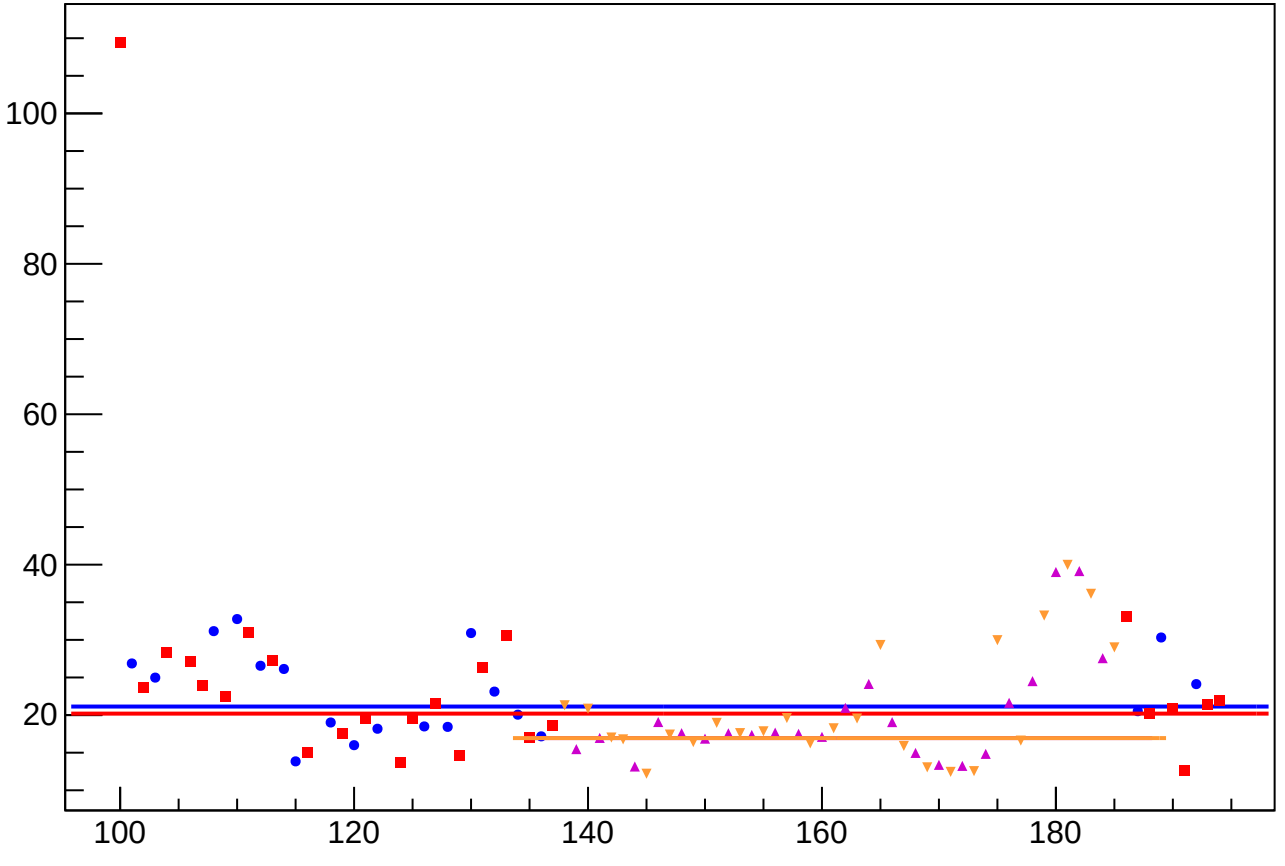
Right: -0.006+/-0.005 χ^2/NDF: 31.6/43

In: -0.004+/-0.004 χ^2/NDF:43.5/41

Out: -0.000+/-0.003 χ^2/NDF:50.8/49

All: -0.002+/-0.003 χ^2/NDF: 94.9/91

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.135+/-0.005 χ^2/NDF: 837381.2/18

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.194+/-0.005 χ^2/NDF: 1176897.1/24

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

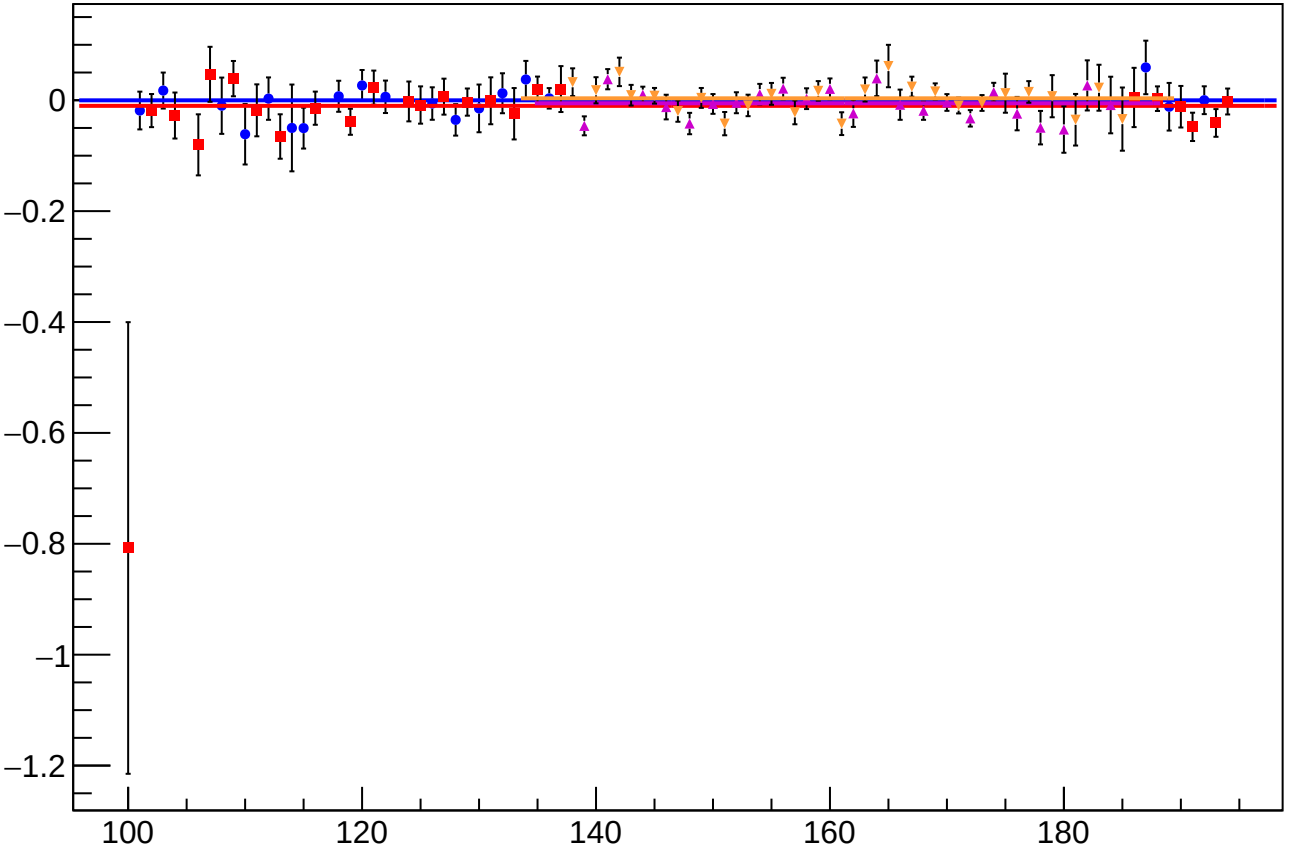
Right: 20.595+/-0.003 χ^2/NDF: 2032518.6/43

In: 17.948+/-0.003 χ^2/NDF:3258879.2/41

Out: 17.876+/-0.002 χ^2/NDF:4378148.3/49

All: 17.910+/-0.002 χ^2/NDF: 7637439.9/91

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: 9.9/18

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.010+/-0.006 χ^2/NDF: 20.7/24

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

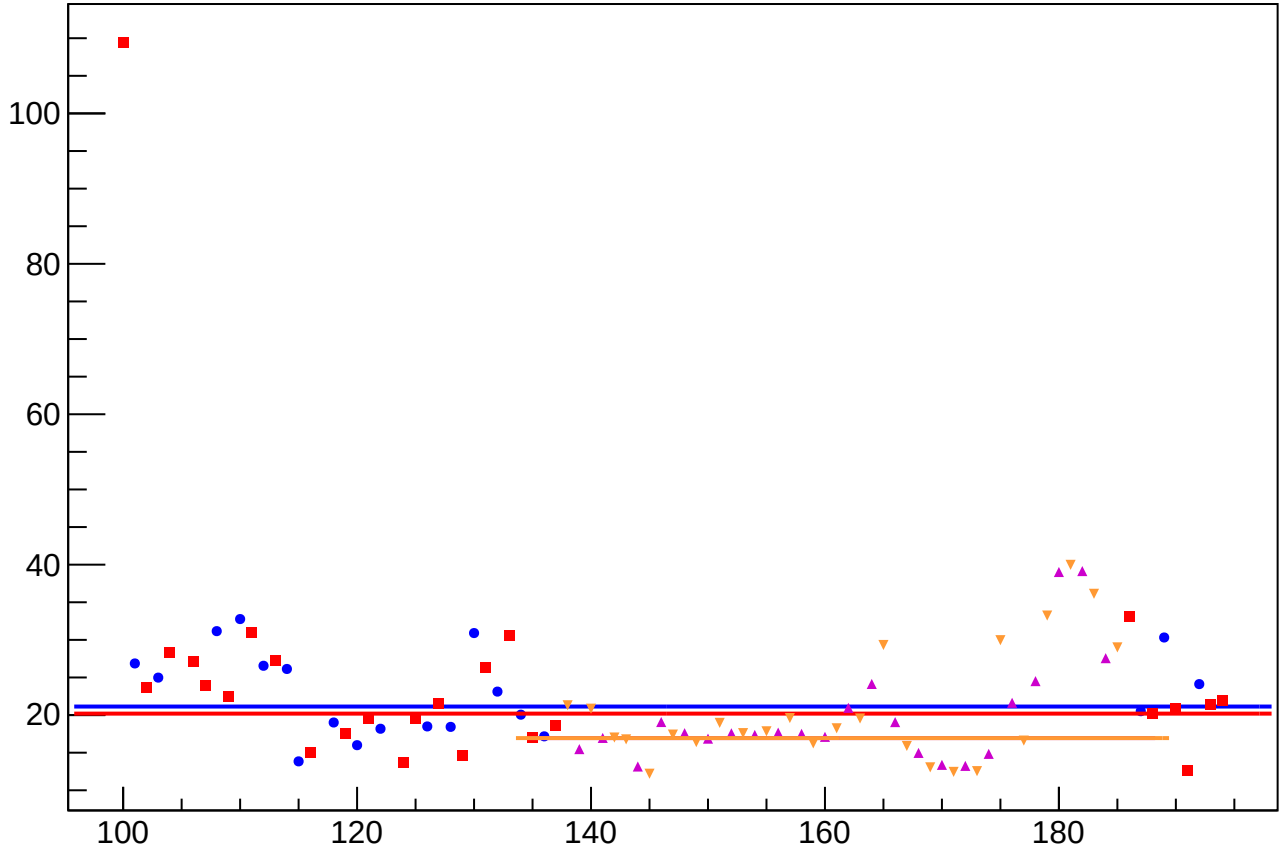
Right: -0.006+/-0.005 χ^2/NDF: 31.6/43

In: -0.004+/-0.004 χ^2/NDF:43.5/41

Out: -0.000+/-0.003 χ^2/NDF:50.8/49

All: -0.002+/-0.003 χ^2/NDF: 94.9/91

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.135+/-0.005 χ^2/NDF: 837381.2/18

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.194+/-0.005 χ^2/NDF: 1176897.1/24

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

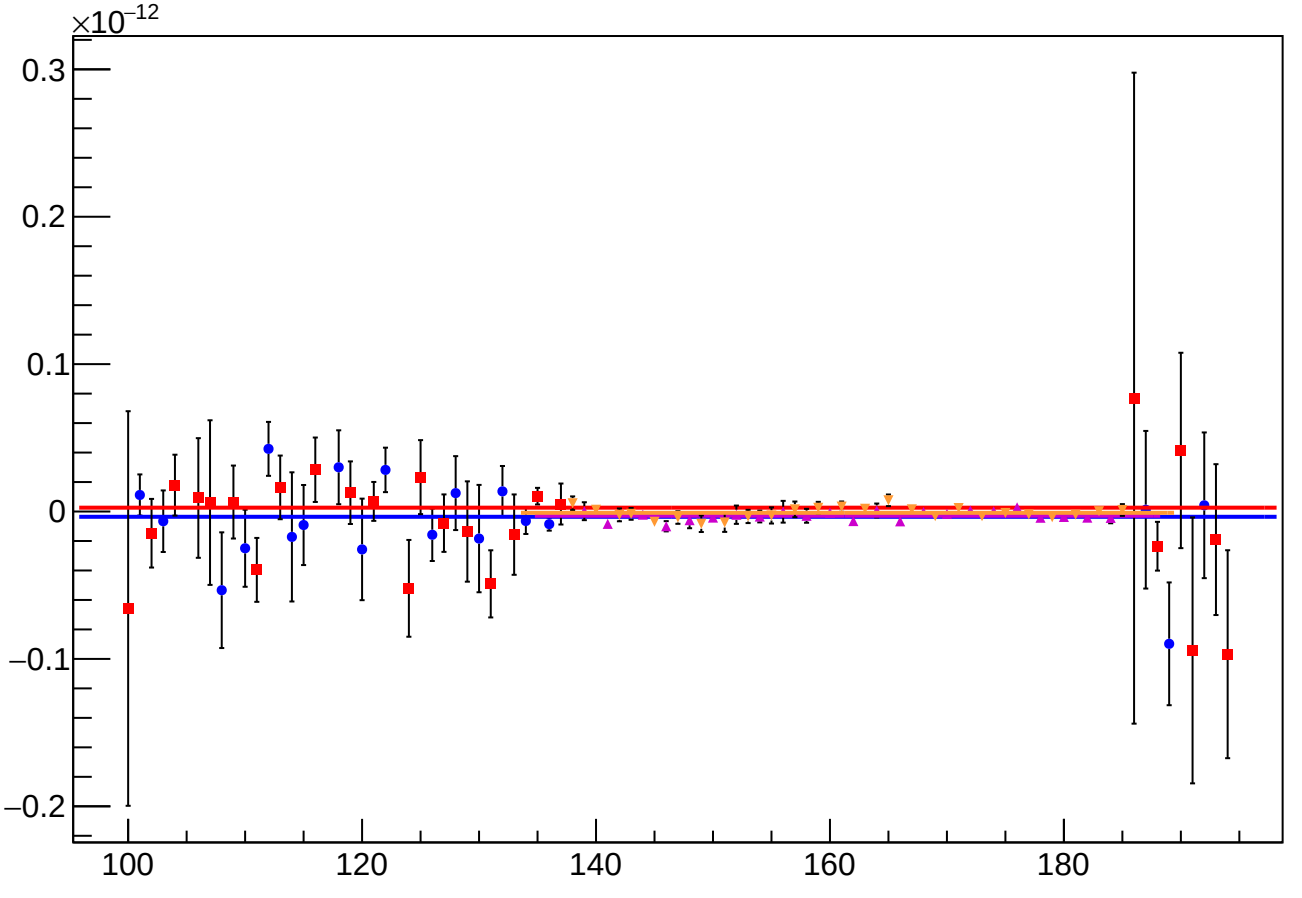
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 20.595+/-0.003 χ^2/NDF: 2032518.6/43

In: 17.948+/-0.003 χ^2/NDF:3258879.2/41

Out: 17.876+/-0.002 χ^2/NDF:4378148.3/49

All: 17.910+/-0.002 χ^2/NDF: 7637439.9/91



Right In: -0.000+/-0.000 χ^2/NDF: 24.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/24

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

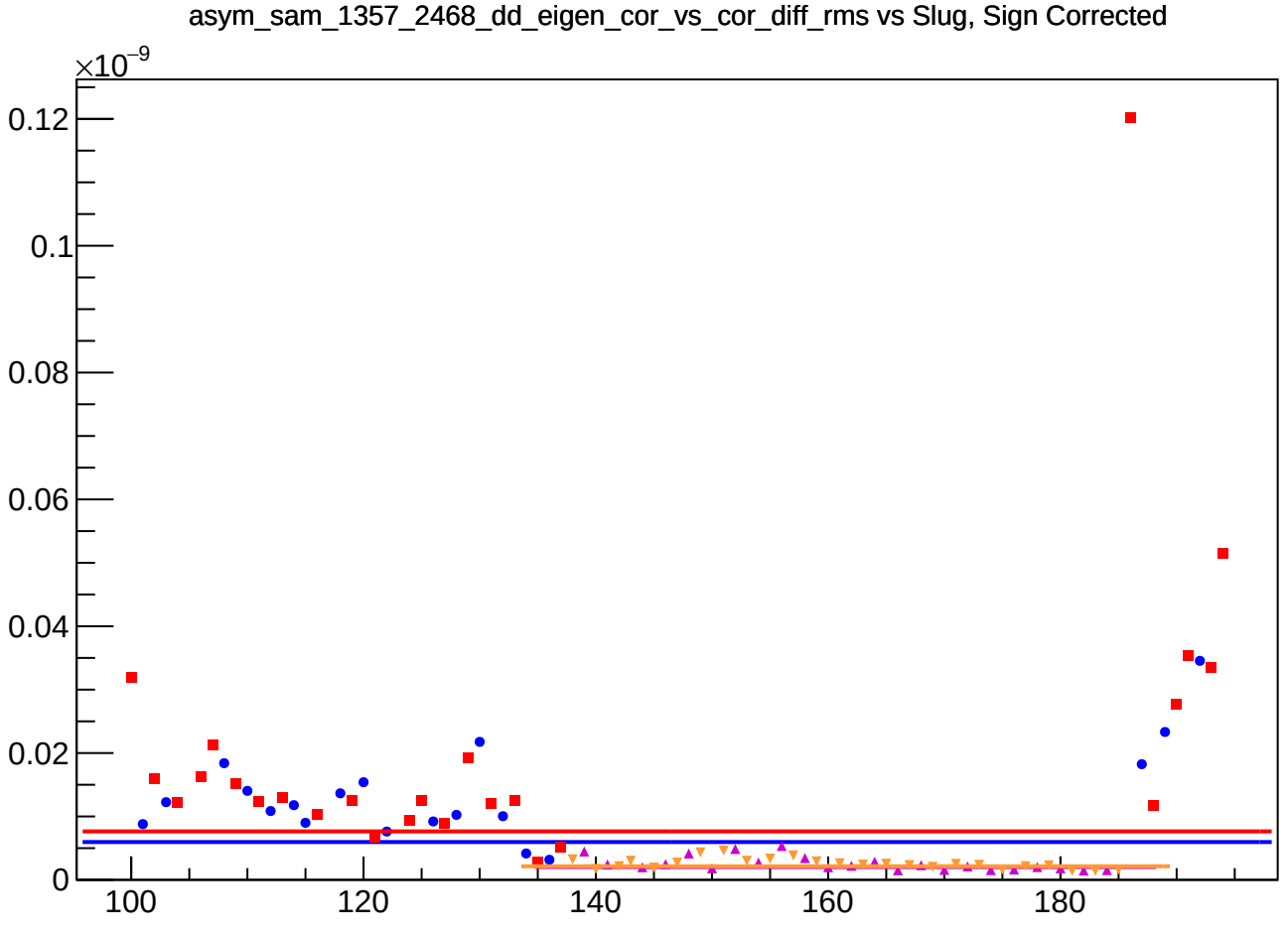
Left: -0.000+/-0.000 χ^2/NDF: 51.6/47

Right: -0.000+/-0.000 χ^2/NDF: 51.0/43

In: -0.000+/-0.000 χ^2/NDF:47.5/41

Out: -0.000+/-0.000 χ^2/NDF:49.6/49

All: -0.000+/-0.000 χ^2/NDF: 102.7/91



Right In: 0.000+/-0.000 χ^2/NDF: 3841283.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5463278.1/24

Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

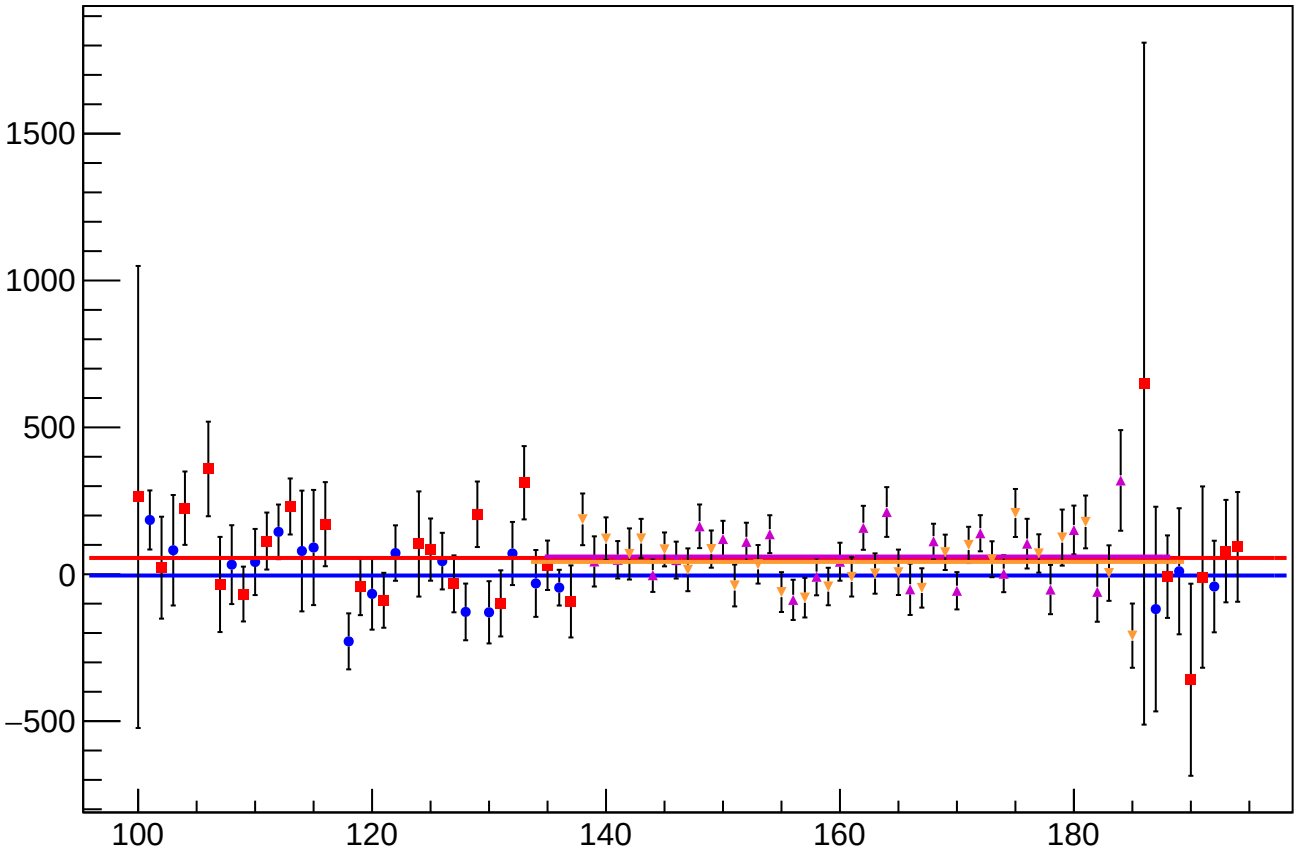
Left: 0.000+/-0.000 χ^2/NDF: 4598686.8/47

Right: 0.000+/-0.000 χ^2/NDF: 9535380.3/43

In: 0.000+/-0.000 χ^2/NDF:9081561.5/41

Out: 0.000+/-0.000 χ^2/NDF:11851984.3/49

All: 0.000+/-0.000 χ^2/NDF: 20979215.9/91



Right In: -4.257+/-25.595 χ^2/NDF: 17.9/18

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: 55.520+/-25.241 χ^2/NDF: 27.9/24

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

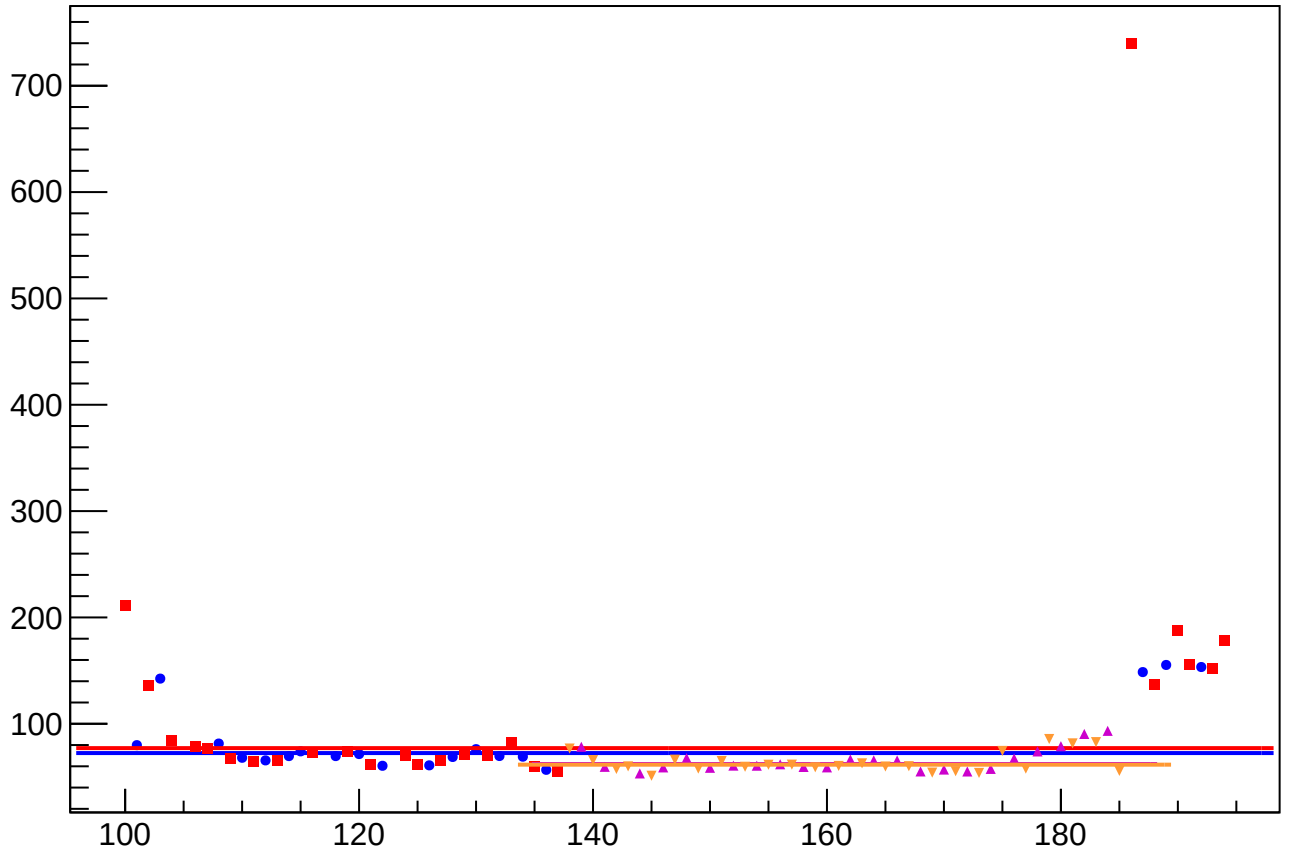
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: 26.047+/-17.972 χ^2/NDF: 48.5/43

In: 44.322+/-12.756 χ^2/NDF:54.9/41

Out: 45.253+/-12.363 χ^2/NDF:60.2/49

All: 44.802+/-8.878 χ^2/NDF: 115.0/91



Right In: 72.454+/-0.018 χ^2/NDF: 1450000.1/18

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 77.101+/-0.018 χ^2/NDF: 3010898.4/24

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

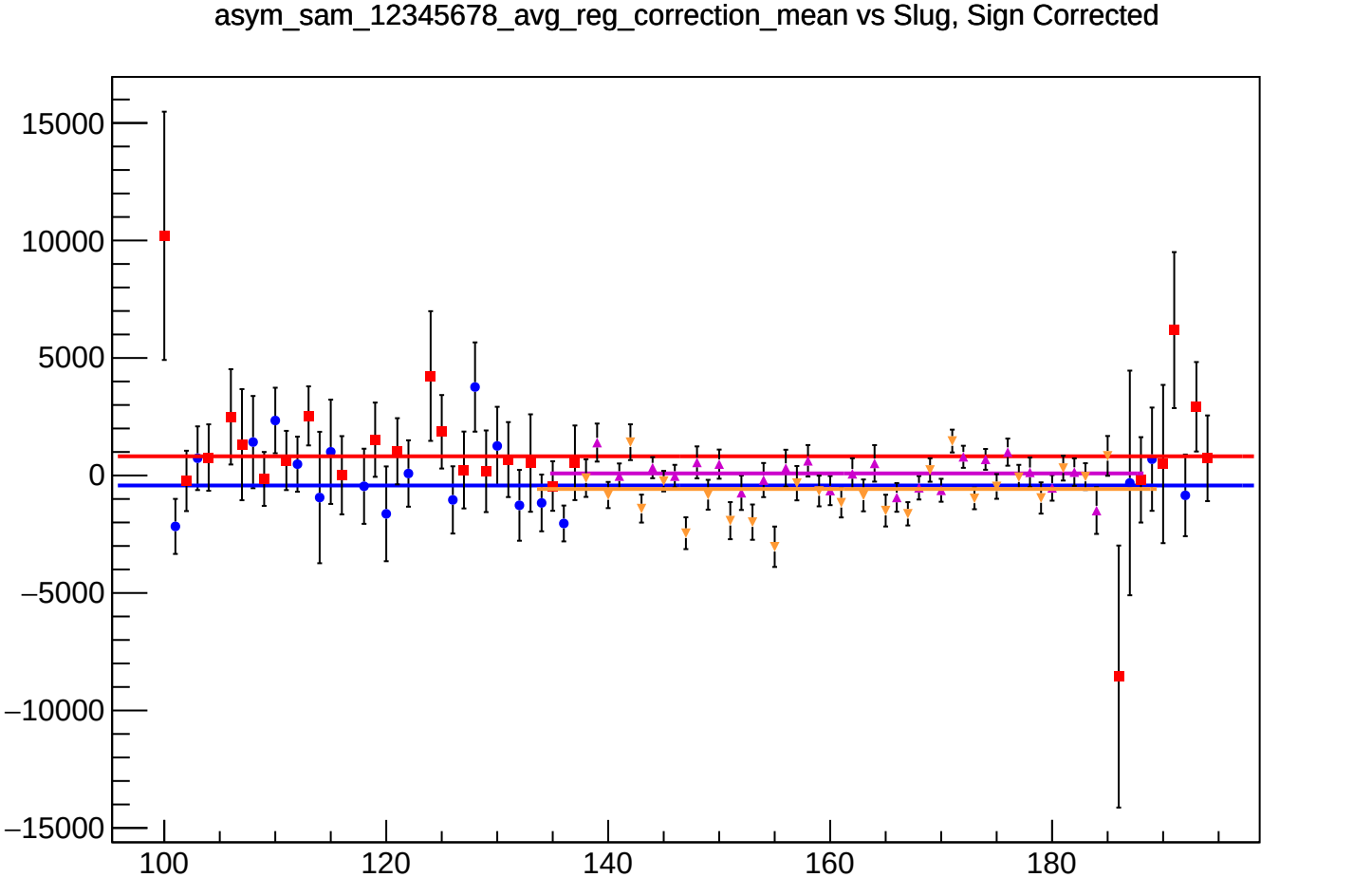
Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

Right: 74.810+/-0.013 χ^2/NDF: 4494322.7/43

In: 64.705+/-0.009 χ^2/NDF:2290633.1/41

Out: 65.276+/-0.009 χ^2/NDF:4226183.3/49

All: 65.000+/-0.006 χ^2/NDF: 6518884.5/91



Right In: -425.642+/-337.135 χ^2/NDF: 20.9/18

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: 816.377+/-331.243 χ^2/NDF: 18.3/24

Left In: 88.334+/-122.492 χ^2/NDF:24.6/22

Left: -250.787+/-85.624 χ^2/NDF: 108.4/47

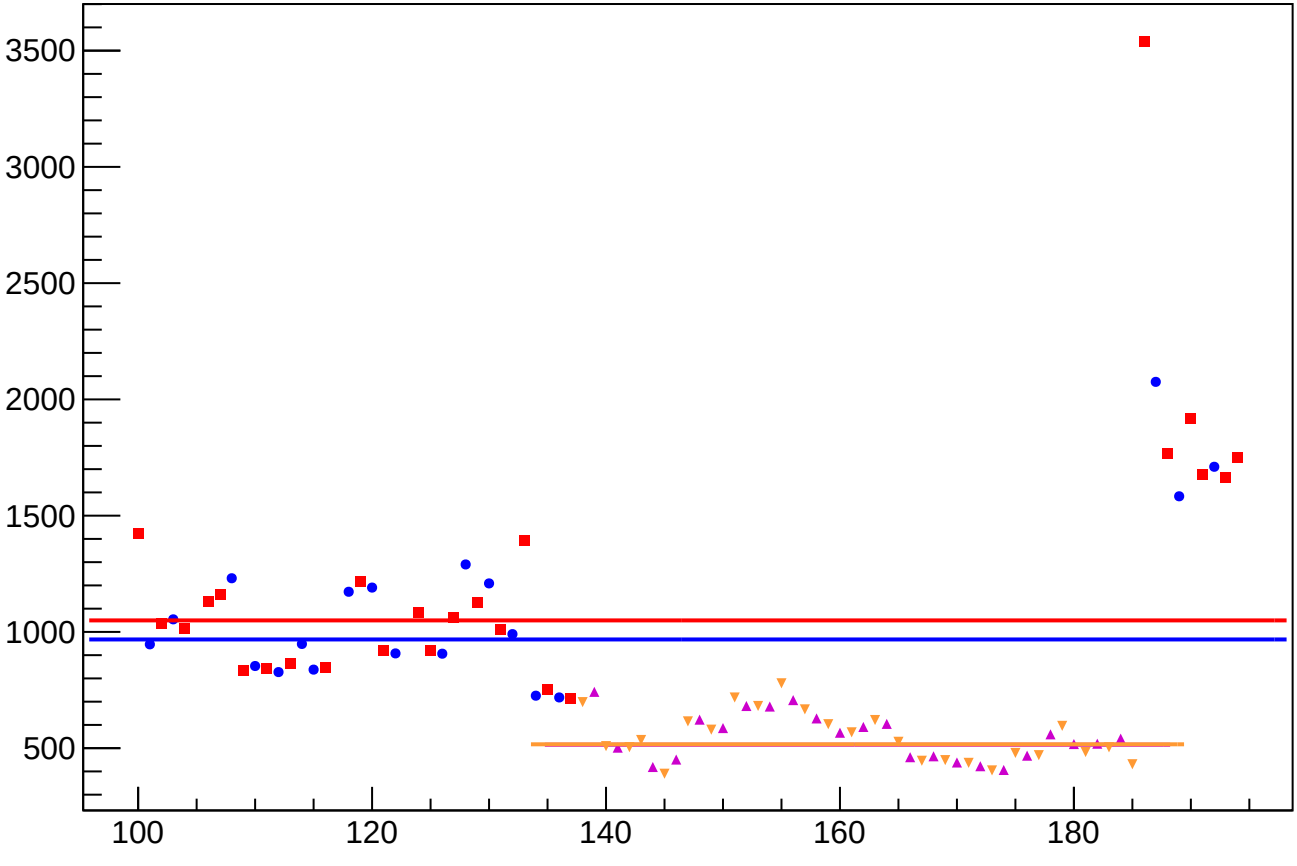
Right: 206.315+/-236.280 χ^2/NDF: 46.1/43

In: 28.396+/-115.129 χ^2/NDF:47.5/41

Out: -414.046+/-112.605 χ^2/NDF:102.7/49

All: -197.727+/-80.501 χ^2/NDF: 157.8/91

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 967.565+/-0.238 χ^2/NDF: 1182786.2/18

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1049.519+/-0.234 χ^2/NDF: 2001672.8/24

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

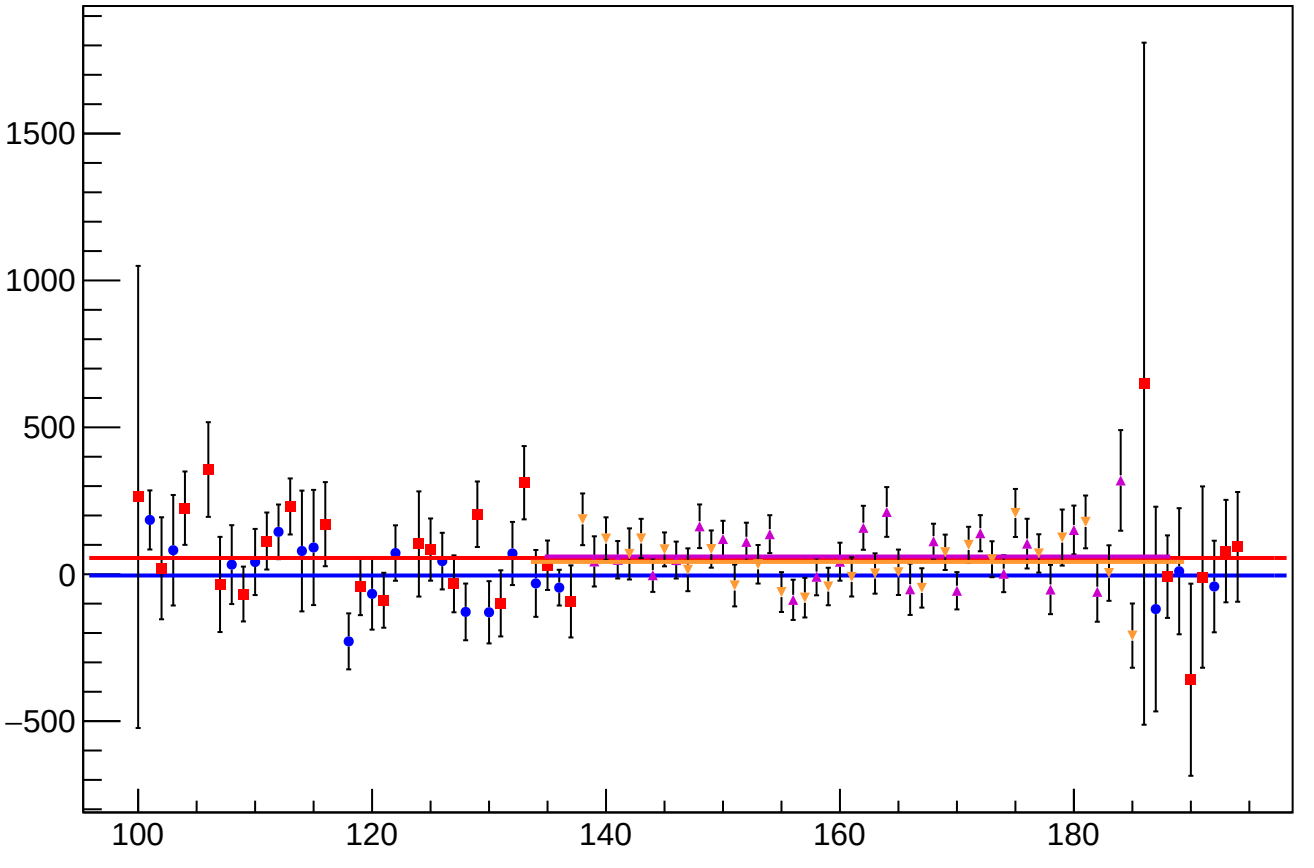
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 1009.264+/-0.167 χ^2/NDF: 3244593.3/43

In: 567.583+/-0.081 χ^2/NDF:5490011.0/41

Out: 578.218+/-0.080 χ^2/NDF:7844736.1/49

All: 573.018+/-0.057 χ^2/NDF: 13343468.5/91



Right In: -4.264+/-25.595 χ^2/NDF: 17.9/18

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 55.406+/-25.242 χ^2/NDF: 27.9/24

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

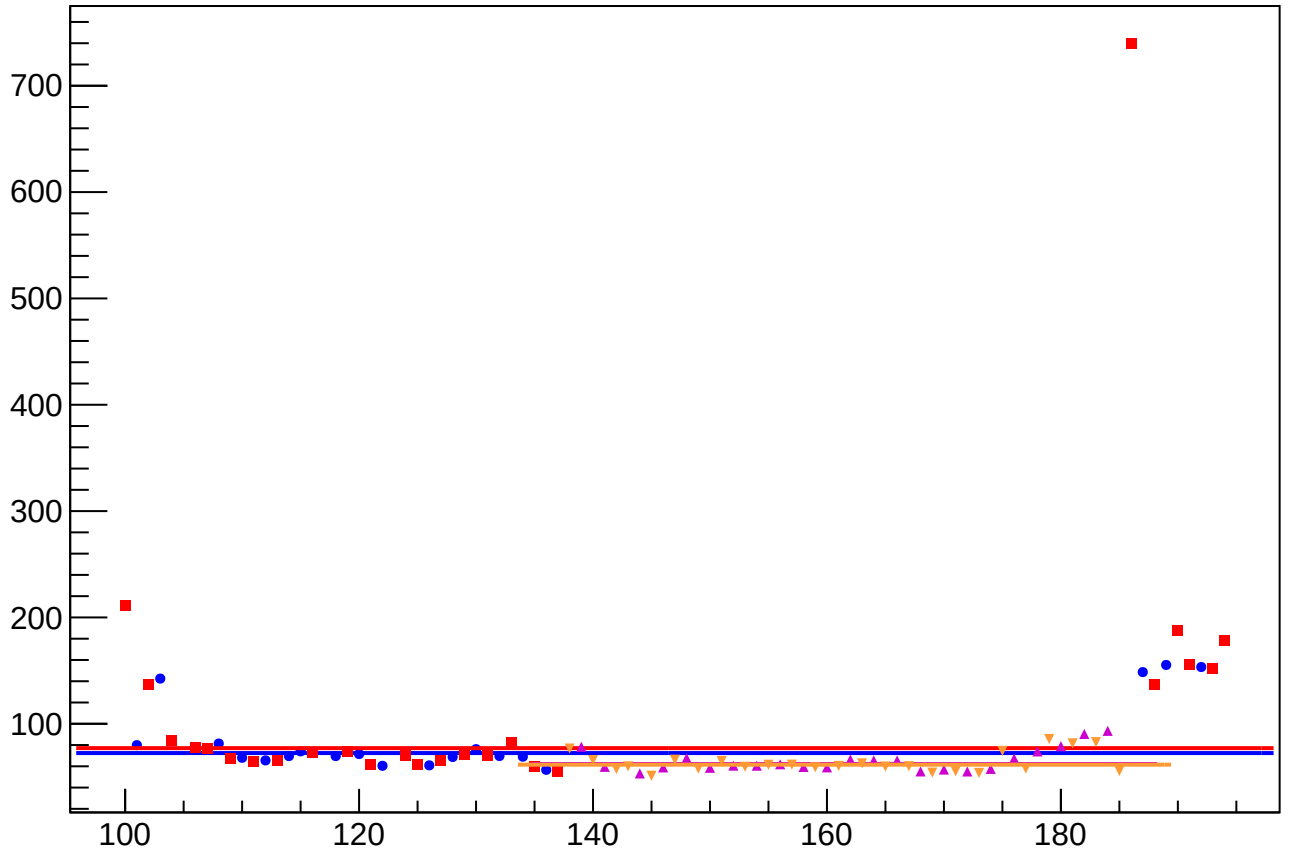
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 25.985+/-17.972 χ^2/NDF: 48.5/43

In: 44.321+/-12.756 χ^2/NDF:54.9/41

Out: 45.229+/-12.364 χ^2/NDF:60.1/49

All: 44.789+/-8.878 χ^2/NDF: 115.0/91



Right In: 72.454+/-0.018 χ^2/NDF: 1450003.2/18

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 77.084+/-0.018 χ^2/NDF: 3011098.5/24

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

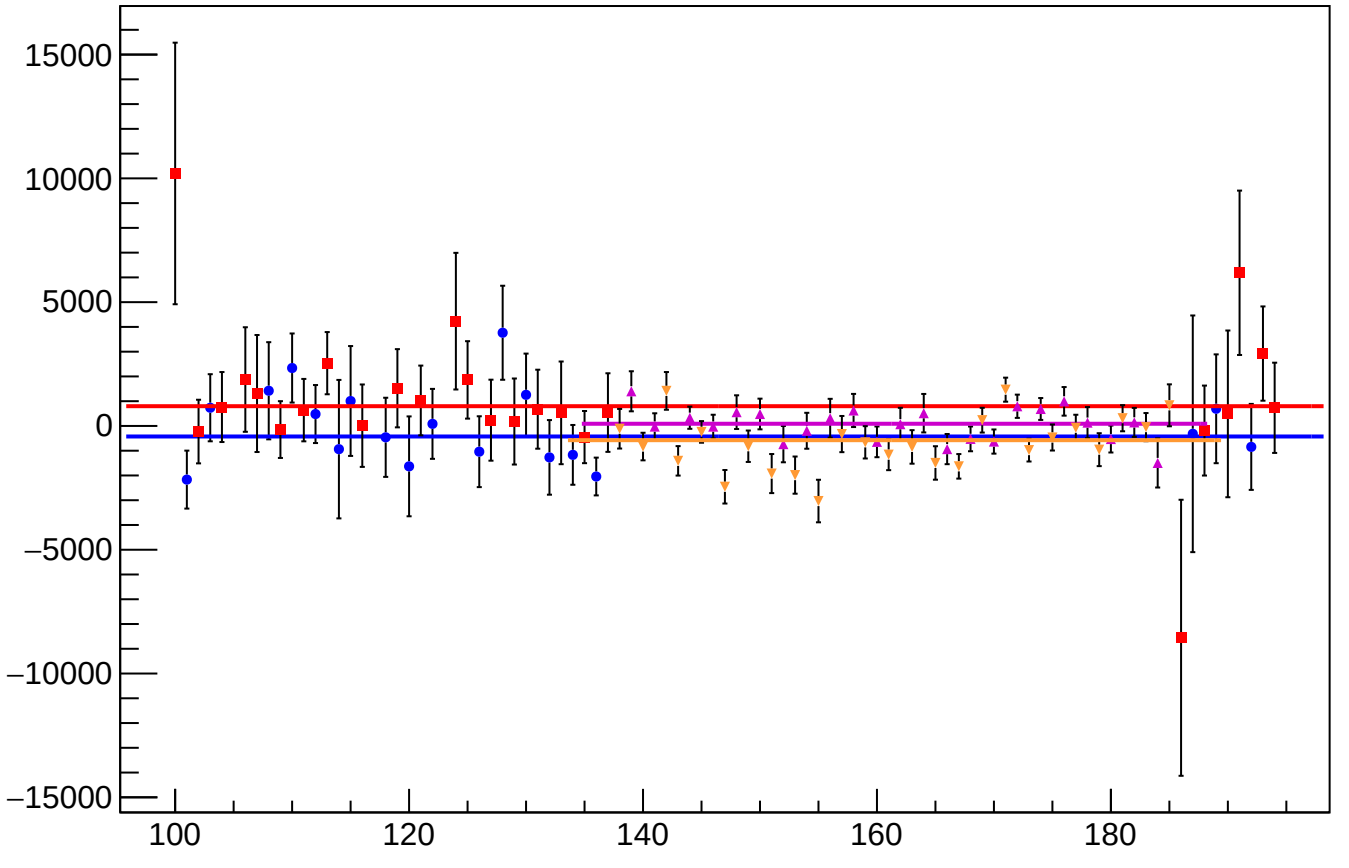
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 74.801+/-0.013 χ^2/NDF: 4494279.5/43

In: 64.705+/-0.009 χ^2/NDF:2290636.1/41

Out: 65.272+/-0.009 χ^2/NDF:4225084.3/49

All: 64.997+/-0.006 χ^2/NDF: 6517757.4/91



Right In: -425.614+/-337.137 χ^2/NDF: 20.9/18

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 798.048+/-331.603 χ^2/NDF: 17.9/24

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

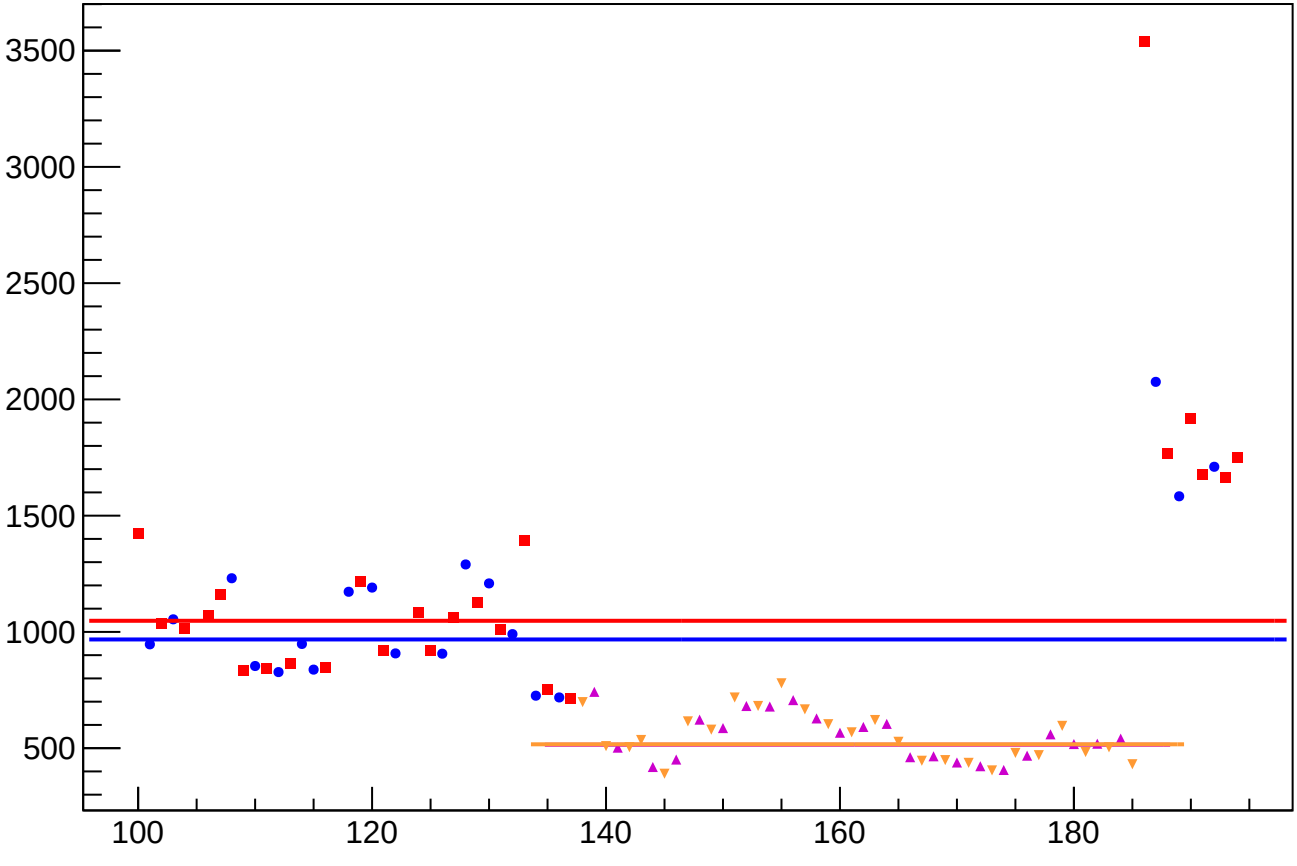
Right: 196.341+/-236.411 χ^2/NDF: 45.5/43

In: 28.399+/-115.129 χ^2/NDF:47.5/41

Out: -416.462+/-112.619 χ^2/NDF:101.8/49

All: -198.933+/-80.506 χ^2/NDF: 157.0/91

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 967.569+/-0.238 χ^2/NDF: 1182803.0/18

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1047.853+/-0.234 χ^2/NDF: 1998457.6/24

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

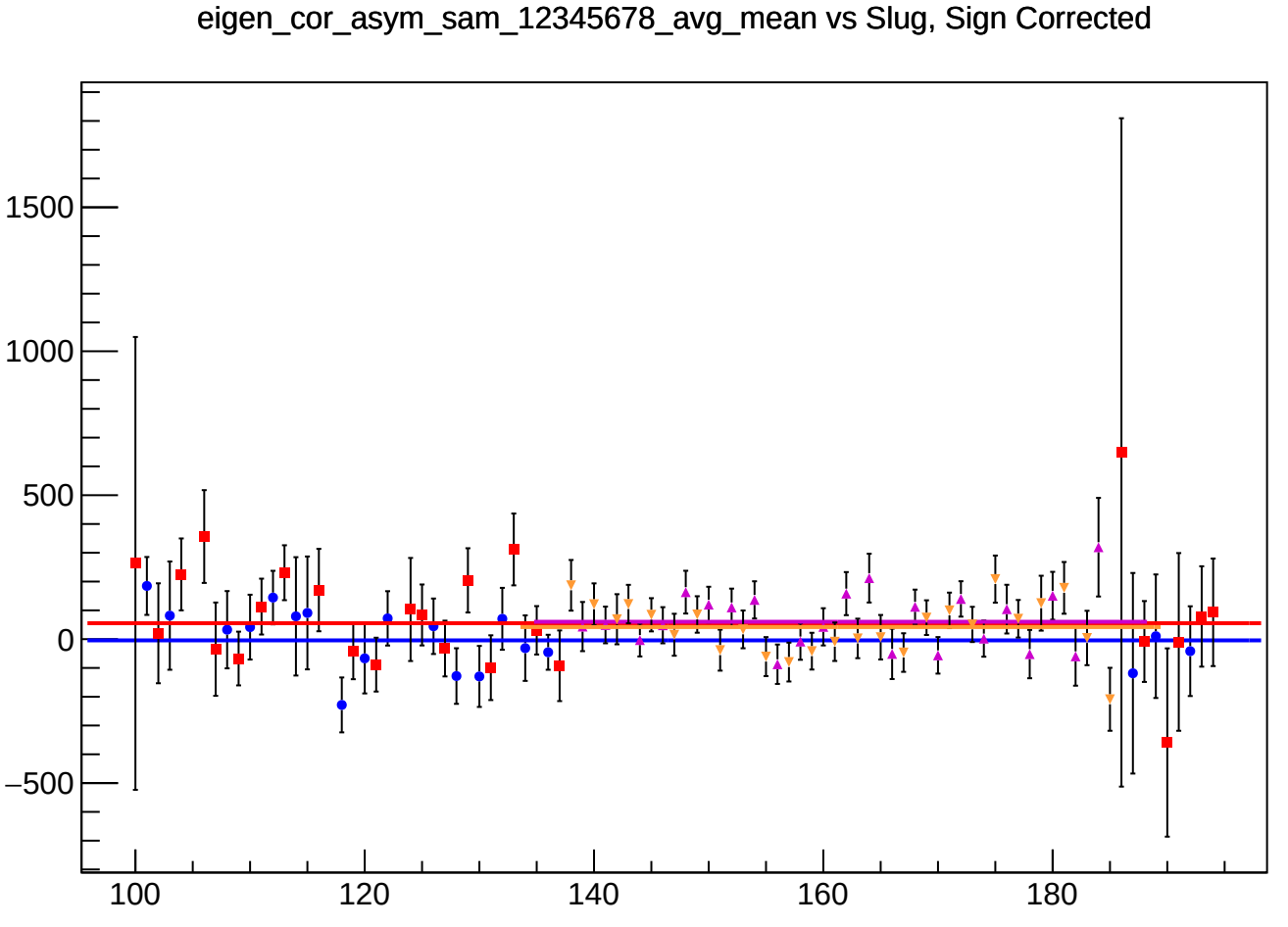
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

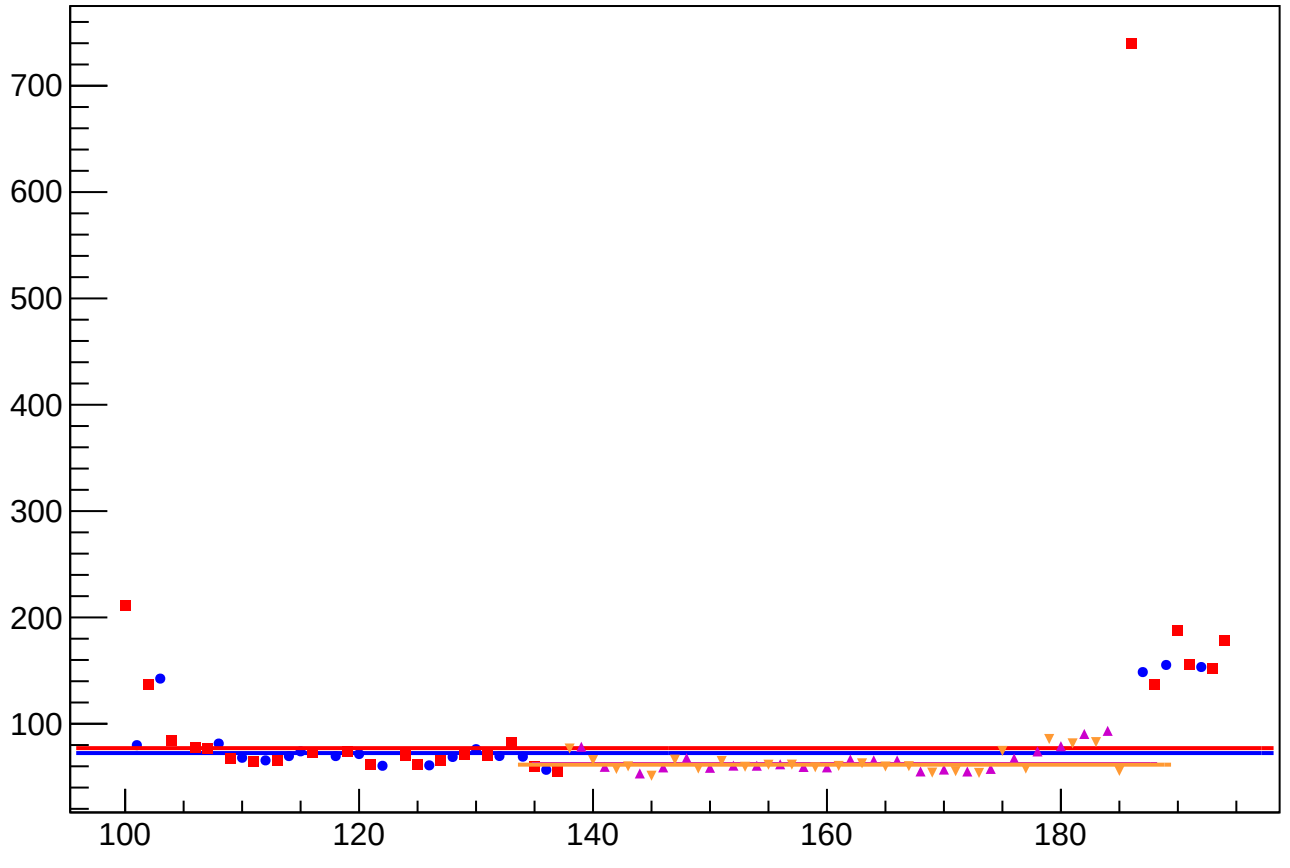
Right: 1008.375+/-0.167 χ^2/NDF: 3238908.0/43

In: 567.583+/-0.081 χ^2/NDF:5490053.7/41

Out: 577.907+/-0.080 χ^2/NDF:7804223.5/49

All: 572.859+/-0.057 χ^2/NDF: 13302495.5/91


eigen_cor_asym_sam_12345678_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
100
120
140
160
180
Right In: -4.264+/-25.595 χ²/NDF: 17.9/18
Left Out: 42.017+/-14.181 χ²/NDF:32.0/24
Right Out: 55.406+/-25.242 χ²/NDF: 27.9/24
Left In: 60.376+/-14.714 χ²/NDF:32.2/22
Left: 50.858+/-10.211 χ²/NDF: 65.0/47
Right: 25.985+/-17.972 χ²/NDF: 48.5/43
In: 44.321+/-12.756 χ²/NDF:54.9/41
Out: 45.229+/-12.364 χ²/NDF:60.1/49
All: 44.789+/-8.878 χ²/NDF: 115.0/91



Right In: 72.454+/-0.018 χ^2/NDF: 1450003.2/18

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 77.084+/-0.018 χ^2/NDF: 3011098.5/24

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

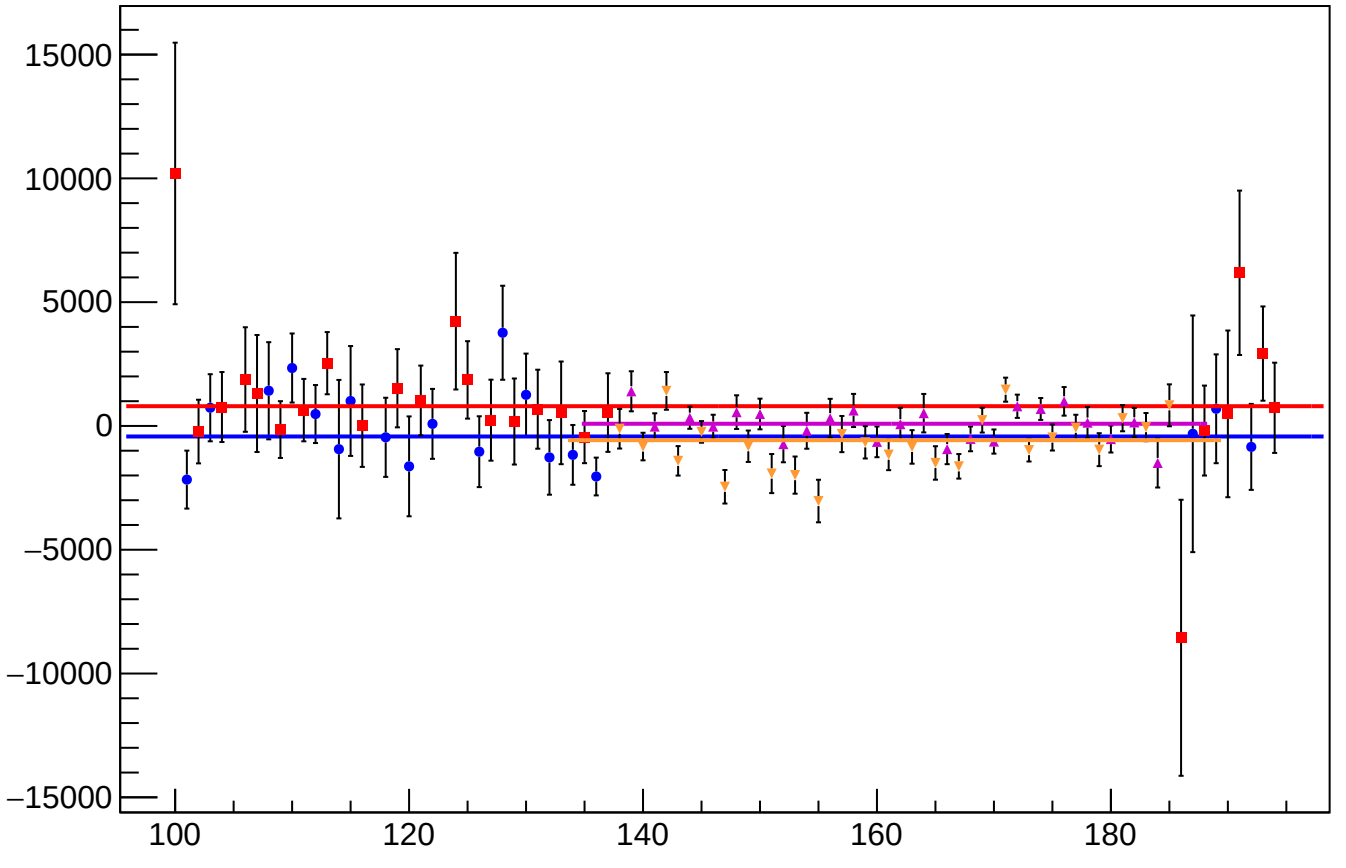
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 74.801+/-0.013 χ^2/NDF: 4494279.5/43

In: 64.705+/-0.009 χ^2/NDF:2290636.1/41

Out: 65.272+/-0.009 χ^2/NDF:4225084.3/49

All: 64.997+/-0.006 χ^2/NDF: 6517757.4/91



Right In: -425.614+/-337.137 χ^2/NDF: 20.9/18

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 798.048+/-331.603 χ^2/NDF: 17.9/24

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

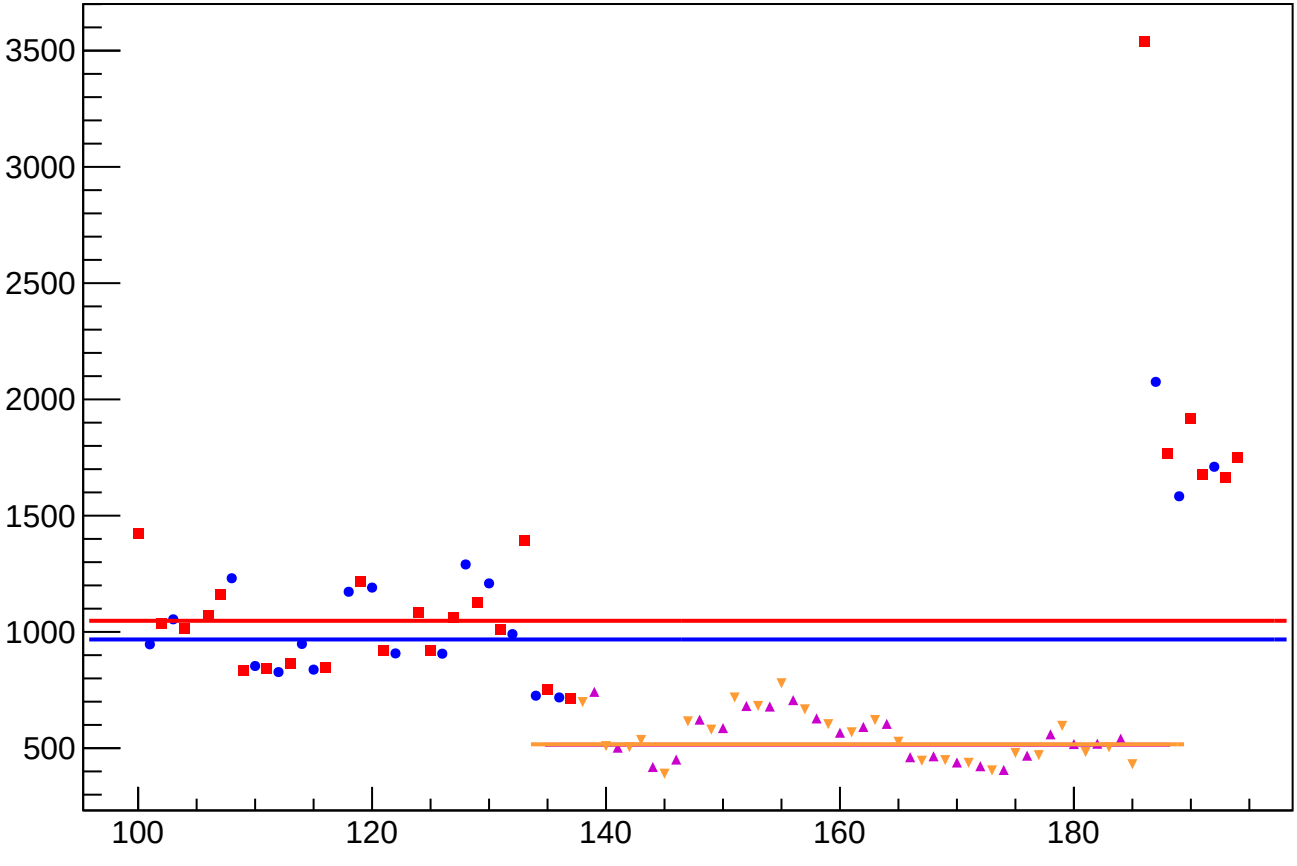
Right: 196.341+/-236.411 χ^2/NDF: 45.5/43

In: 28.399+/-115.129 χ^2/NDF:47.5/41

Out: -416.462+/-112.619 χ^2/NDF:101.8/49

All: -198.933+/-80.506 χ^2/NDF: 157.0/91

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 967.569+/-0.238 χ^2/NDF: 1182803.0/18

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1047.853+/-0.234 χ^2/NDF: 1998457.6/24

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

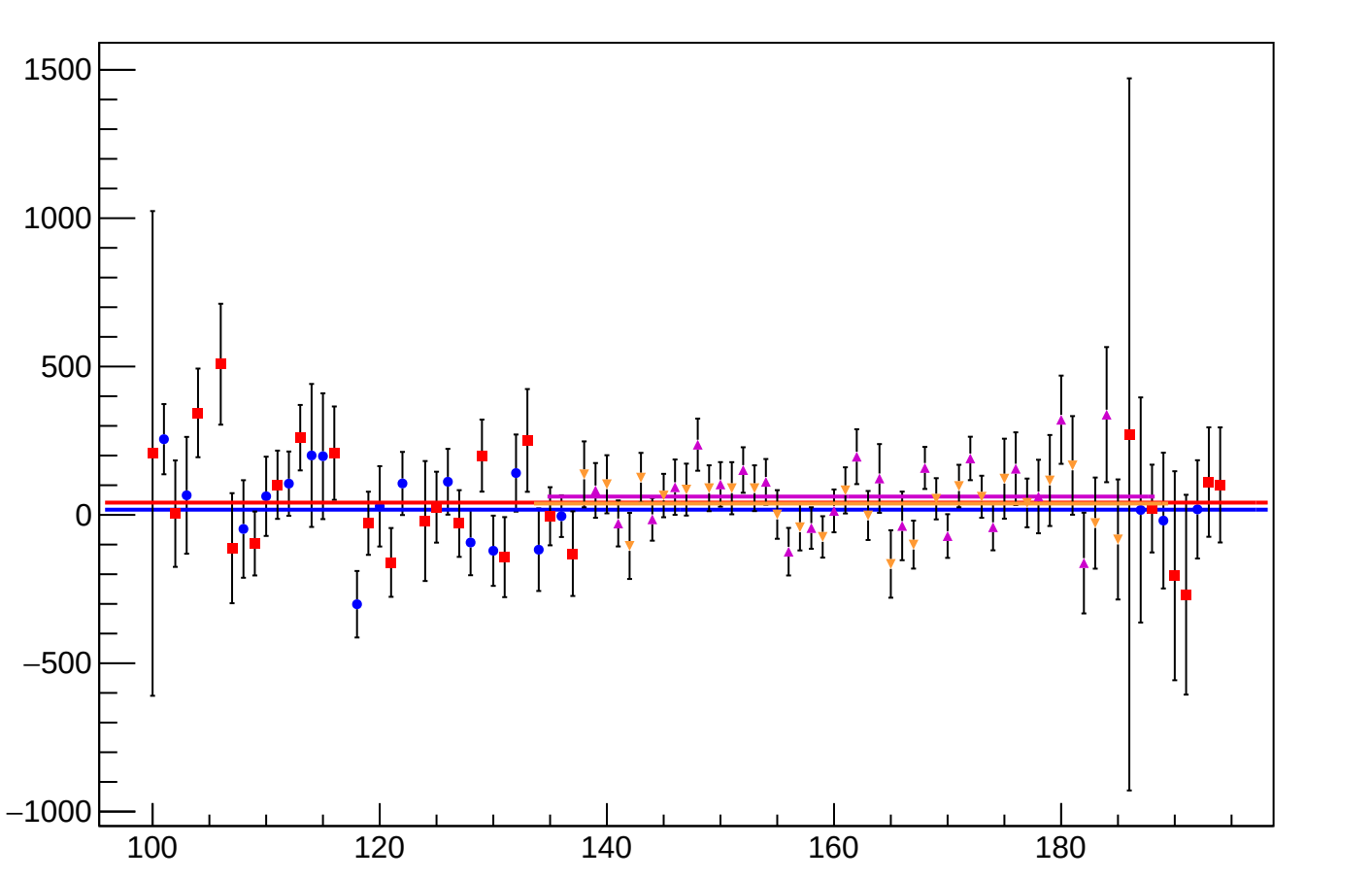
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1008.375+/-0.167 χ^2/NDF: 3238908.0/43

In: 567.583+/-0.081 χ^2/NDF:5490053.7/41

Out: 577.907+/-0.080 χ^2/NDF:7804223.5/49

All: 572.859+/-0.057 χ^2/NDF: 13302495.5/91



Right In: 17.558+/-29.509 χ^2/NDF: 20.2/18

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: 41.390+/-29.114 χ^2/NDF: 29.4/24

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

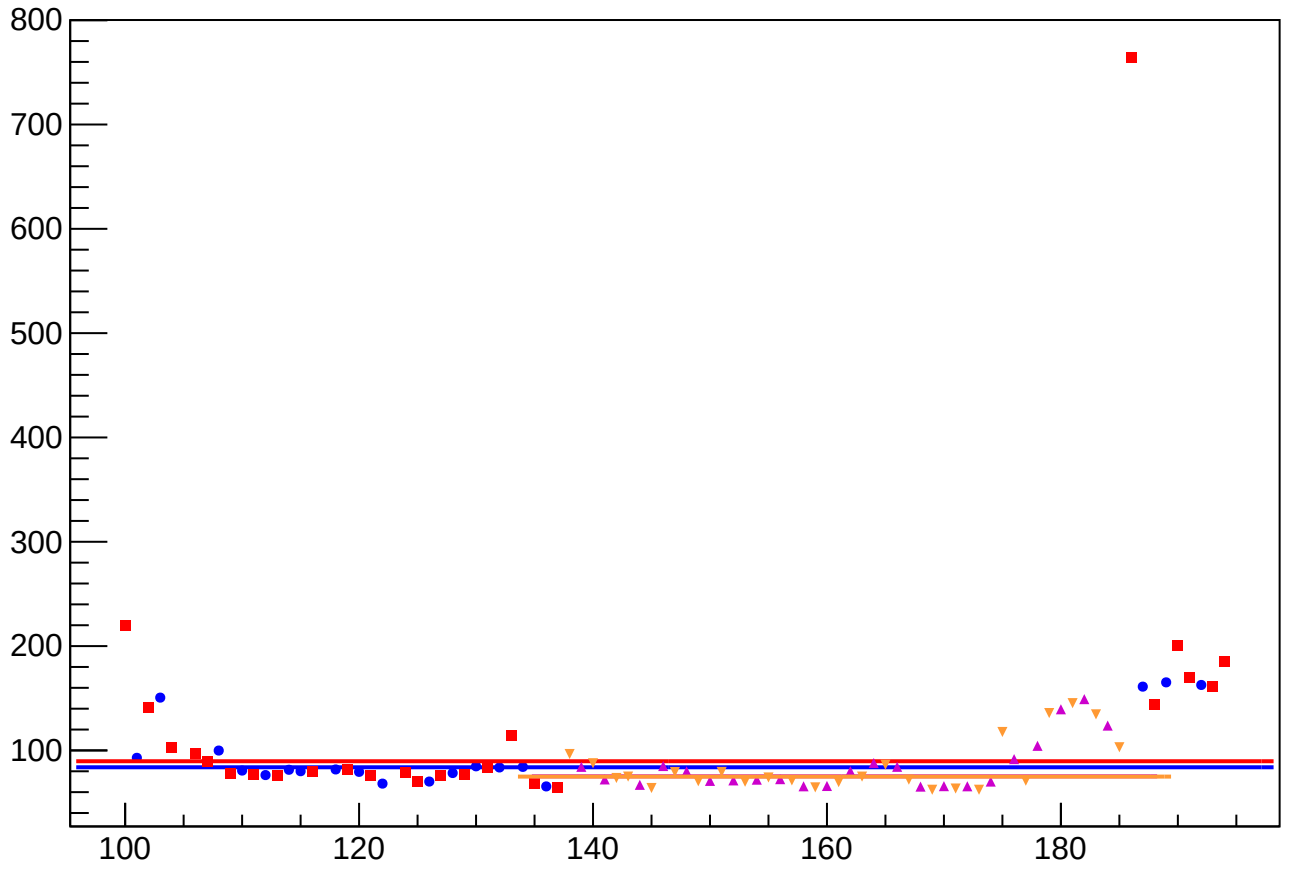
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 29.634+/-20.725 χ^2/NDF: 49.9/43

In: 49.561+/-15.485 χ^2/NDF:58.5/41

Out: 39.118+/-15.105 χ^2/NDF:48.2/49

All: 44.210+/-10.813 χ^2/NDF: 106.9/91



Right In: 83.841+/-0.021 χ^2/NDF: 1280973.7/18

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 89.624+/-0.021 χ^2/NDF: 2671803.8/24

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

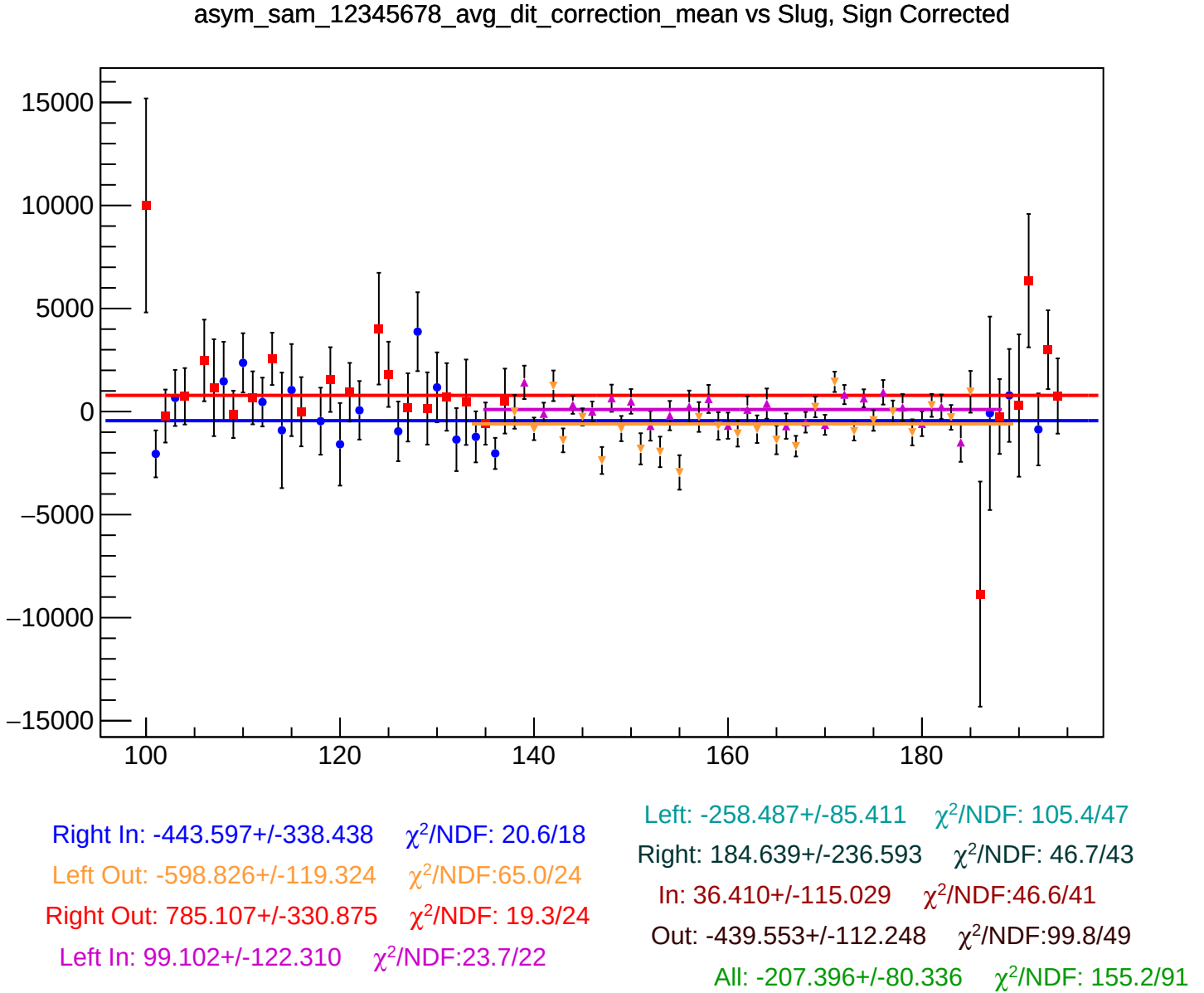
Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

Right: 86.771+/-0.015 χ^2/NDF: 3991712.3/43

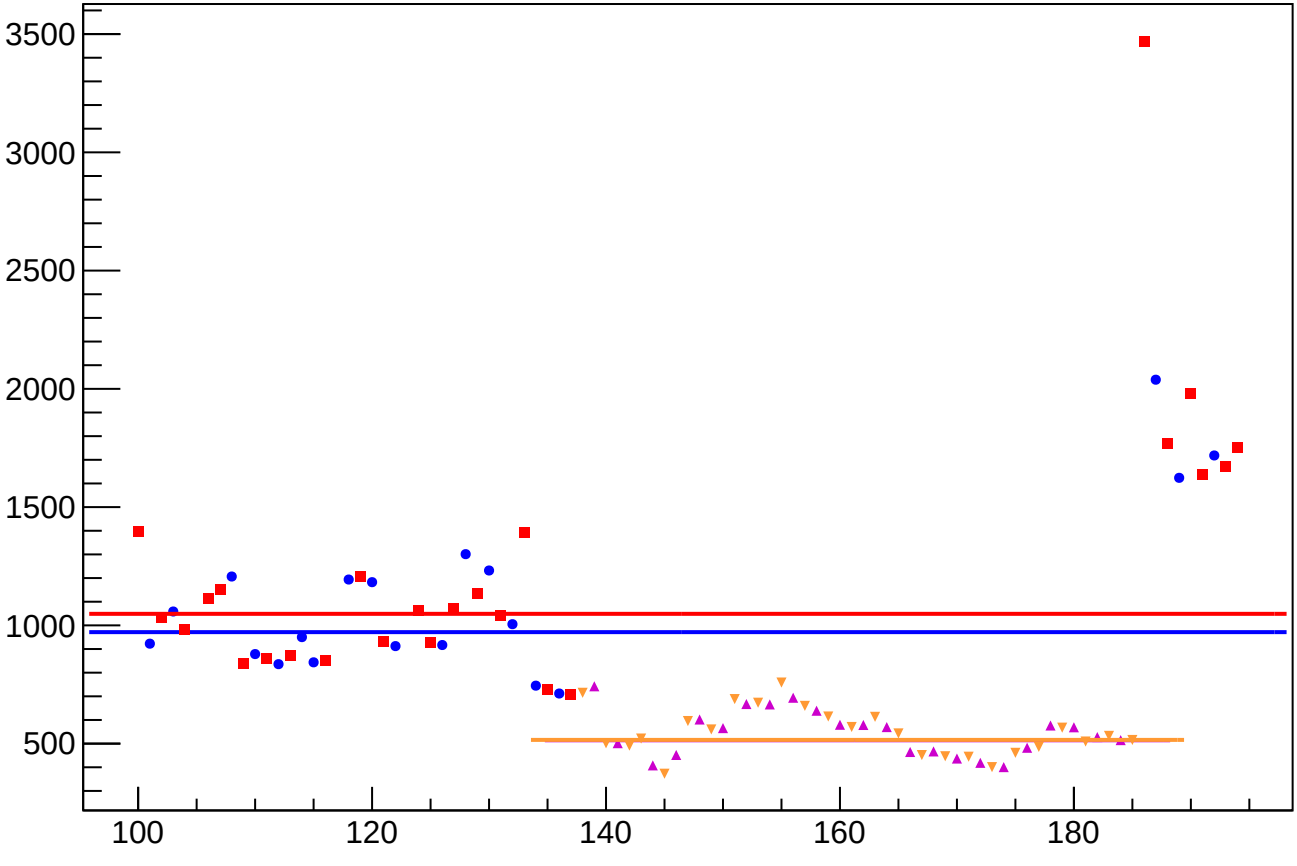
In: 77.547+/-0.011 χ^2/NDF:2719055.3/41

Out: 78.866+/-0.011 χ^2/NDF:4707074.0/49

All: 78.223+/-0.008 χ^2/NDF: 7433556.1/91


asym_sam_12345678_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
Right In: -443.597+/-338.438 χ²/NDF: 20.6/18
Left Out: -598.826+/-119.324 χ²/NDF:65.0/24
Right Out: 785.107+/-330.875 χ²/NDF: 19.3/24
Left In: 99.102+/-122.310 χ²/NDF:23.7/22
Left: -258.487+/-85.411 χ²/NDF: 105.4/47
Right: 184.639+/-236.593 χ²/NDF: 46.7/43
In: 36.410+/-115.029 χ²/NDF:46.6/41
Out: -439.553+/-112.248 χ²/NDF:99.8/49
All: -207.396+/-80.336 χ²/NDF: 155.2/91

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 971.389+/-0.239 χ^2/NDF: 1196761.3/18

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1048.760+/-0.234 χ^2/NDF: 2022620.5/24

Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

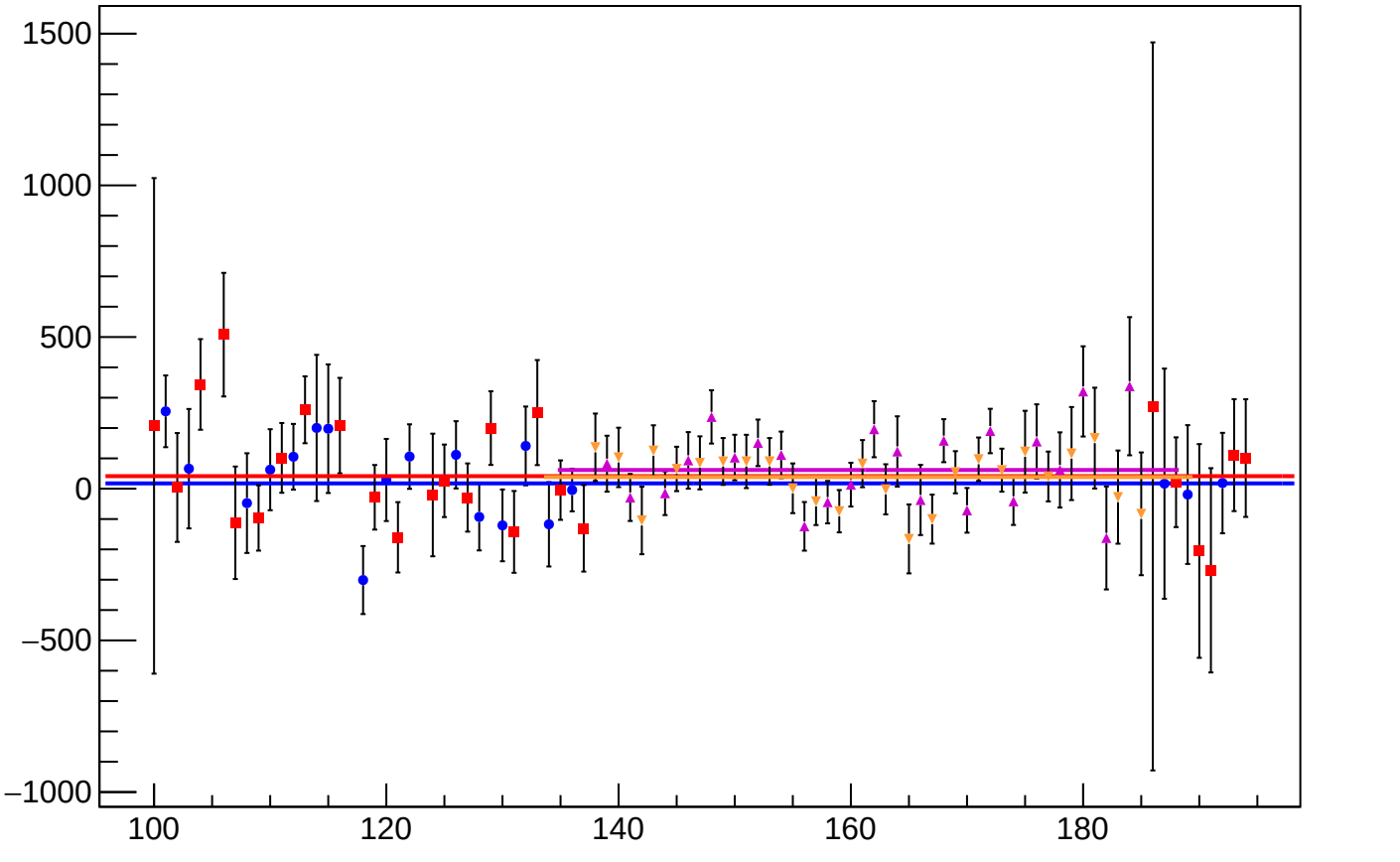
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

Right: 1010.949+/-0.167 χ^2/NDF: 3272825.5/43

In: 566.915+/-0.081 χ^2/NDF:5543358.3/41

Out: 577.103+/-0.079 χ^2/NDF:7847653.6/49

All: 572.134+/-0.057 χ^2/NDF: 13399048.2/91



Right In: 17.558+/-29.509 χ^2/NDF: 20.2/18

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: 41.388+/-29.114 χ^2/NDF: 29.4/24

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

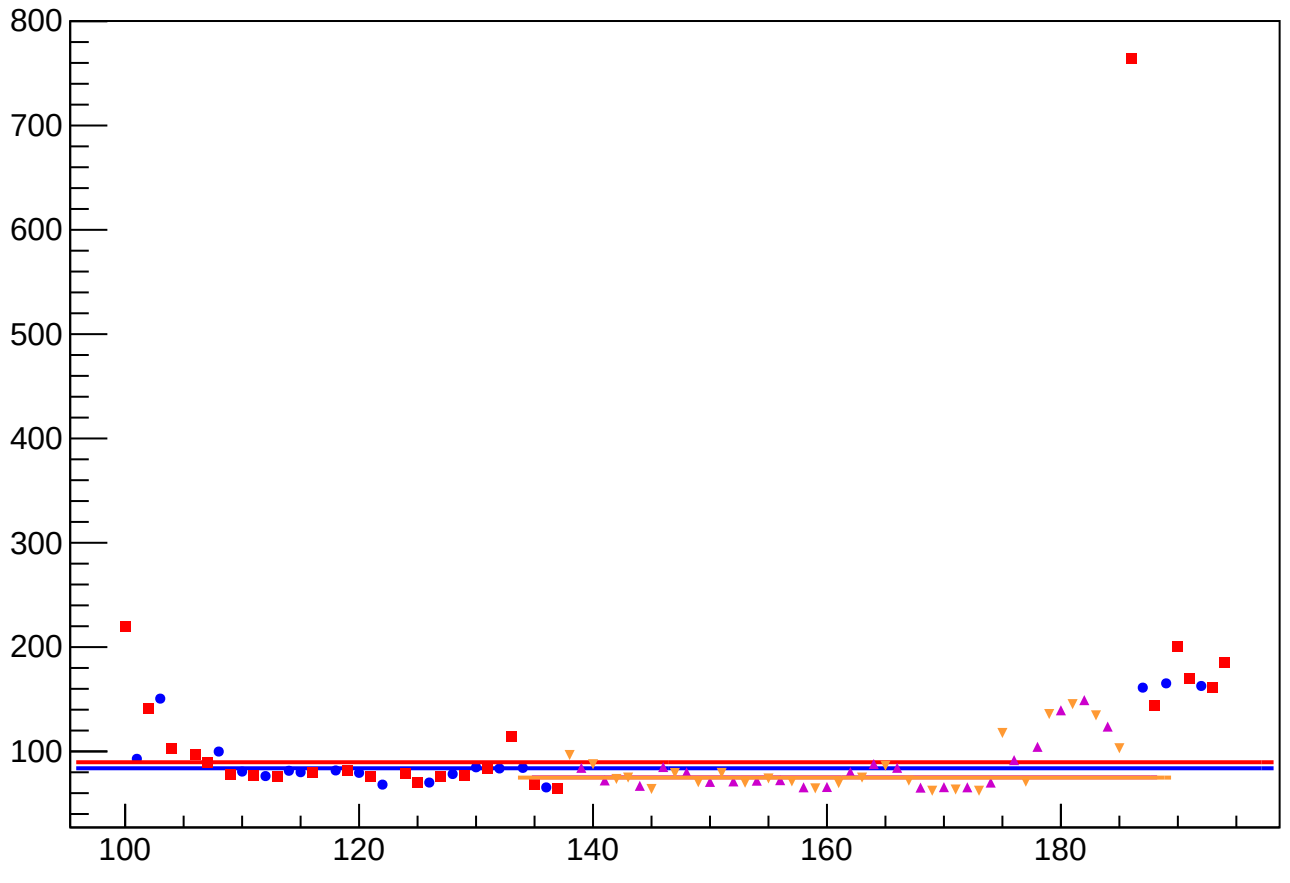
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 29.633+/-20.725 χ^2/NDF: 49.9/43

In: 49.560+/-15.485 χ^2/NDF:58.5/41

Out: 39.118+/-15.105 χ^2/NDF:48.2/49

All: 44.209+/-10.813 χ^2/NDF: 106.9/91



Right In: 83.840+/-0.021 χ^2/NDF: 1280974.7/18

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

Right Out: 89.624+/-0.021 χ^2/NDF: 2671821.5/24

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

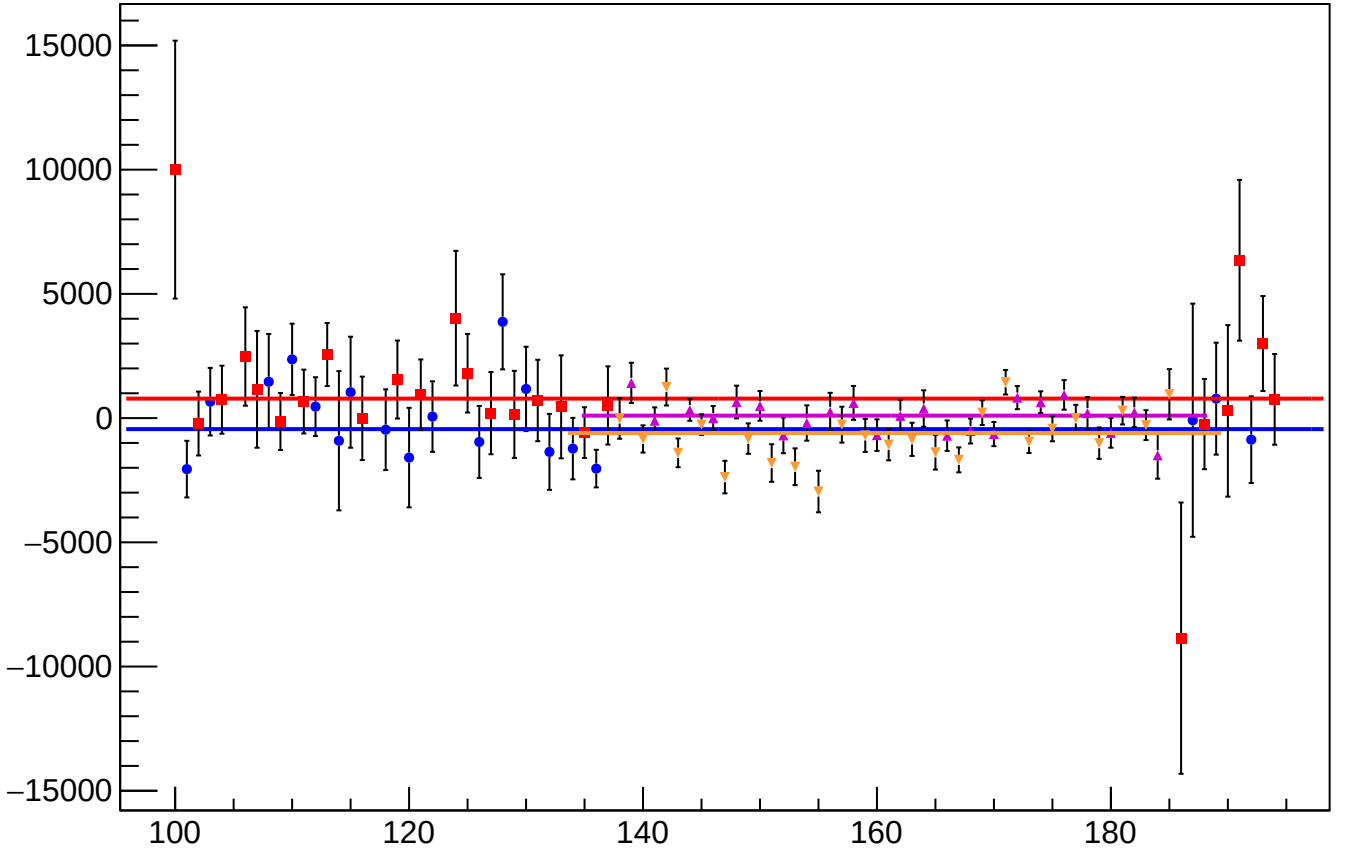
Right: 86.771+/-0.015 χ^2/NDF: 3991731.9/43

In: 77.547+/-0.011 χ^2/NDF:2719027.0/41

Out: 78.866+/-0.011 χ^2/NDF:4707068.9/49

All: 78.223+/-0.008 χ^2/NDF: 7433522.6/91

asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -443.594+/-338.438 χ^2/NDF: 20.6/18

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

Right Out: 785.106+/-330.874 χ^2/NDF: 19.3/24

Left In: 99.101+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

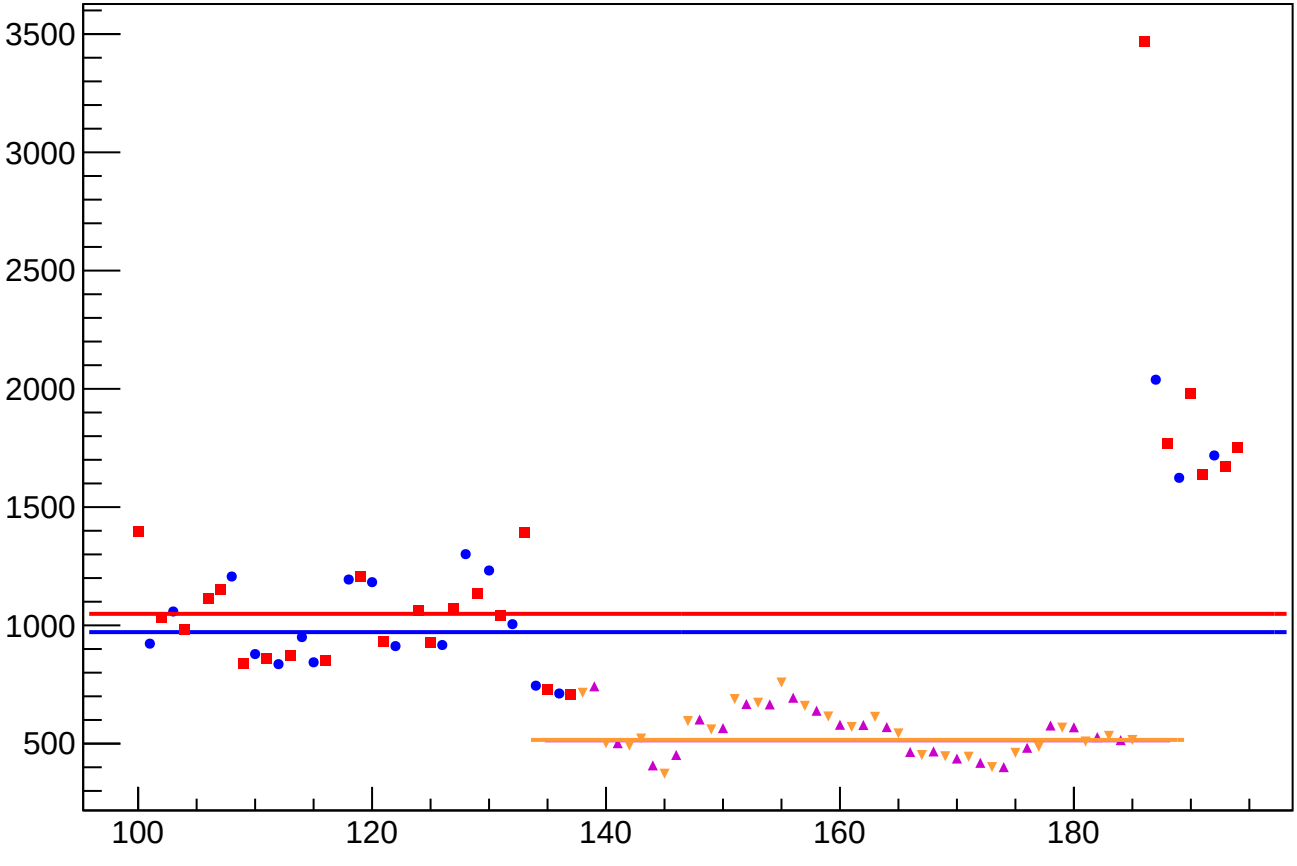
Right: 184.640+/-236.592 χ^2/NDF: 46.7/43

In: 36.409+/-115.029 χ^2/NDF:46.6/41

Out: -439.552+/-112.247 χ^2/NDF:99.8/49

All: -207.396+/-80.336 χ^2/NDF: 155.2/91

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 971.387+/-0.239 χ^2/NDF: 1196762.6/18

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1048.757+/-0.234 χ^2/NDF: 2022624.2/24

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

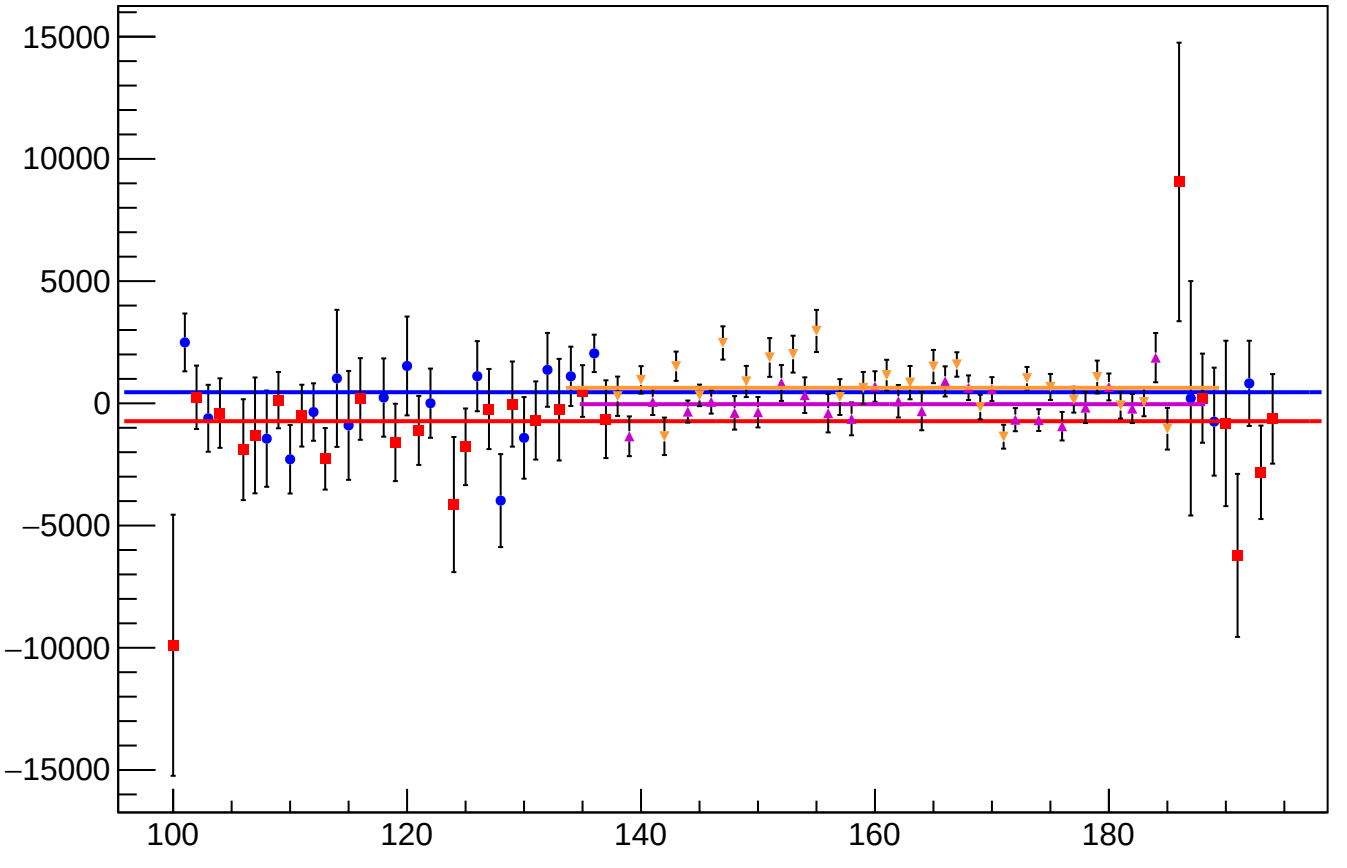
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 1010.946+/-0.167 χ^2/NDF: 3272830.4/43

In: 566.914+/-0.081 χ^2/NDF:5543353.9/41

Out: 577.102+/-0.079 χ^2/NDF:7847654.3/49

All: 572.133+/-0.057 χ^2/NDF: 13399044.3/91



Right In: 454.981+/-338.583 χ^2/NDF: 21.8/18

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: -730.472+/-332.647 χ^2/NDF: 17.5/24

Left In: -34.808+/-123.517 χ^2/NDF:25.1/22

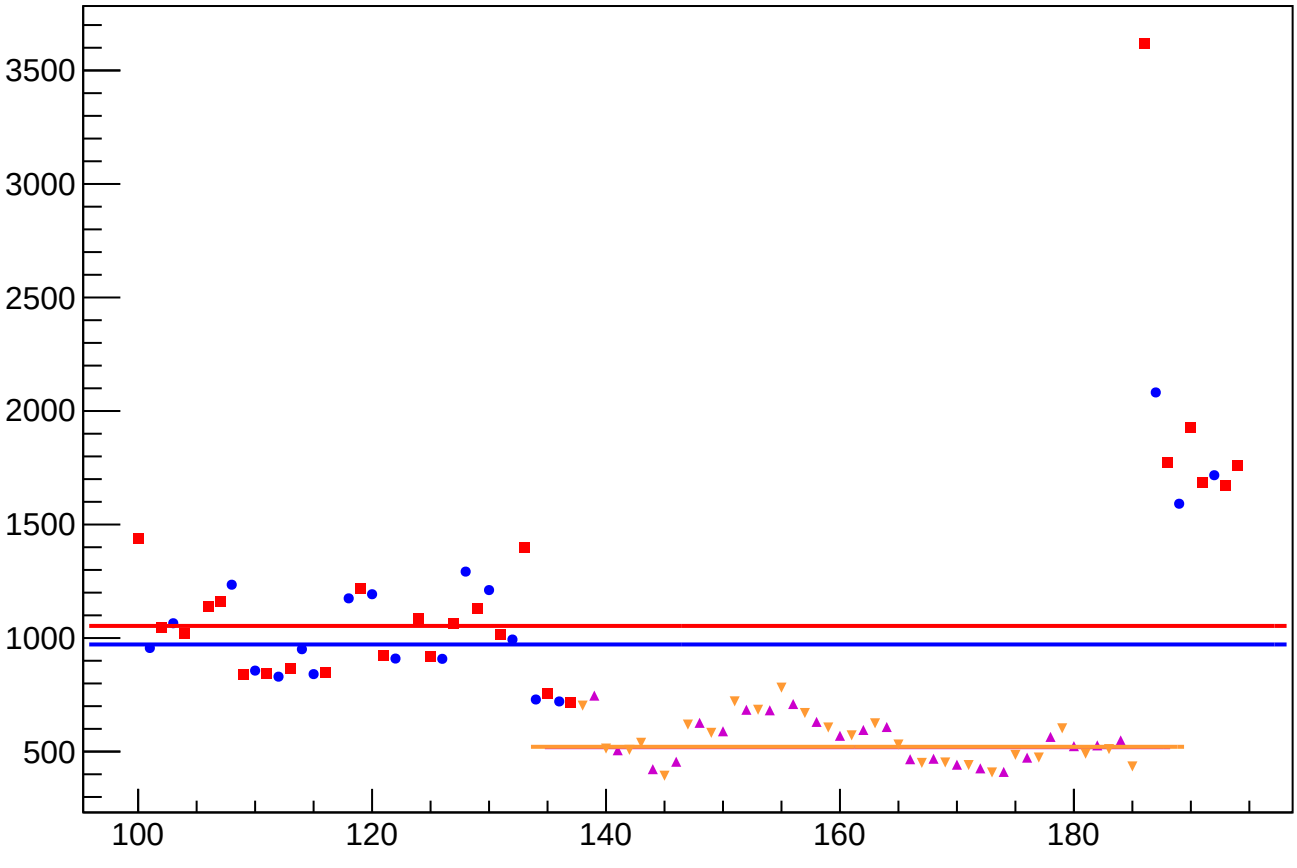
Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

Right: -148.228+/-237.288 χ^2/NDF: 45.5/43

In: 22.719+/-116.037 χ^2/NDF:48.8/41

Out: 475.909+/-113.476 χ^2/NDF:96.8/49

All: 254.371+/-81.130 χ^2/NDF: 153.4/91



Right In: 971.748+/-0.239 χ^2/NDF: 1182337.5/18

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

Right Out: 1053.417+/-0.235 χ^2/NDF: 2011595.5/24

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

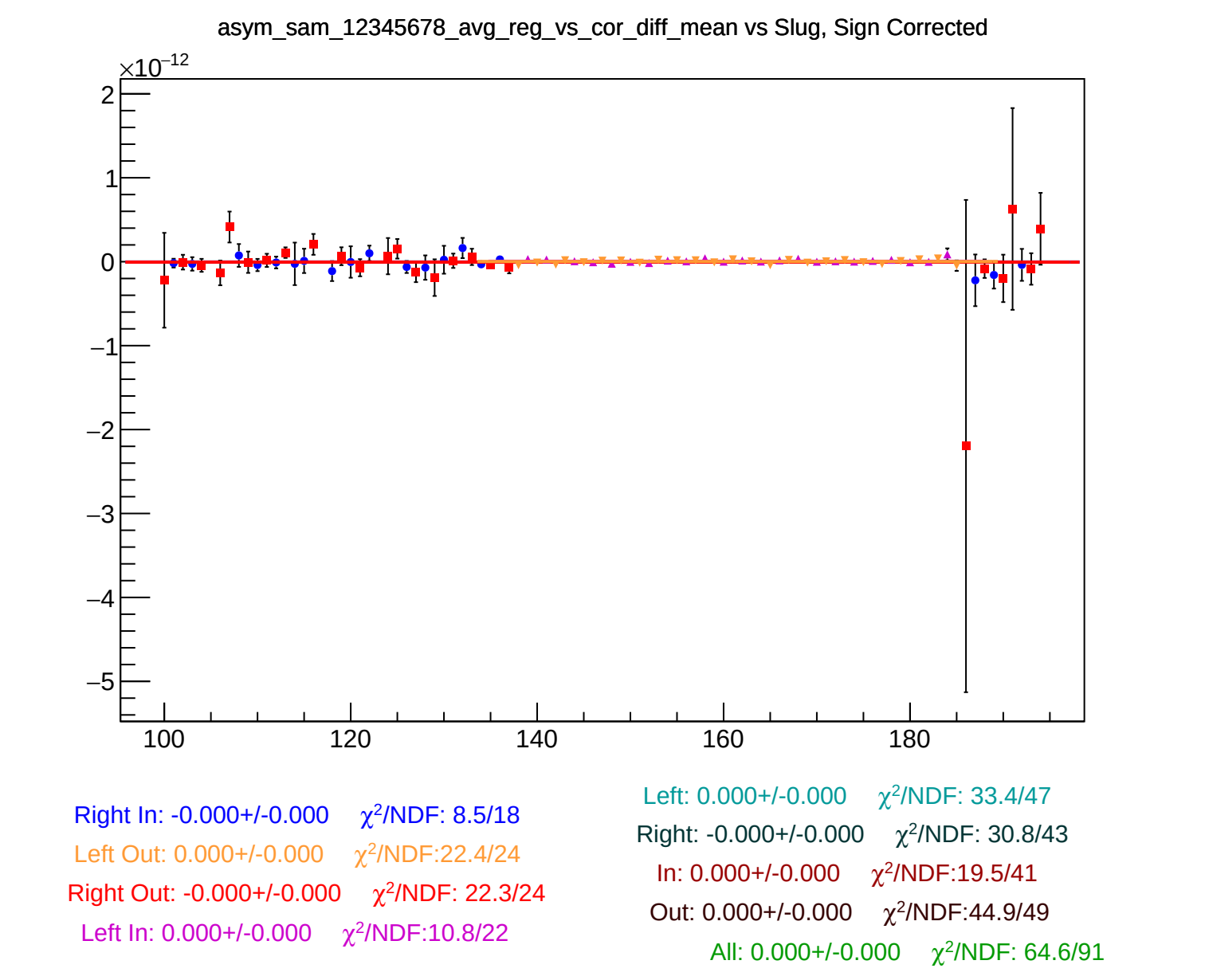
Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

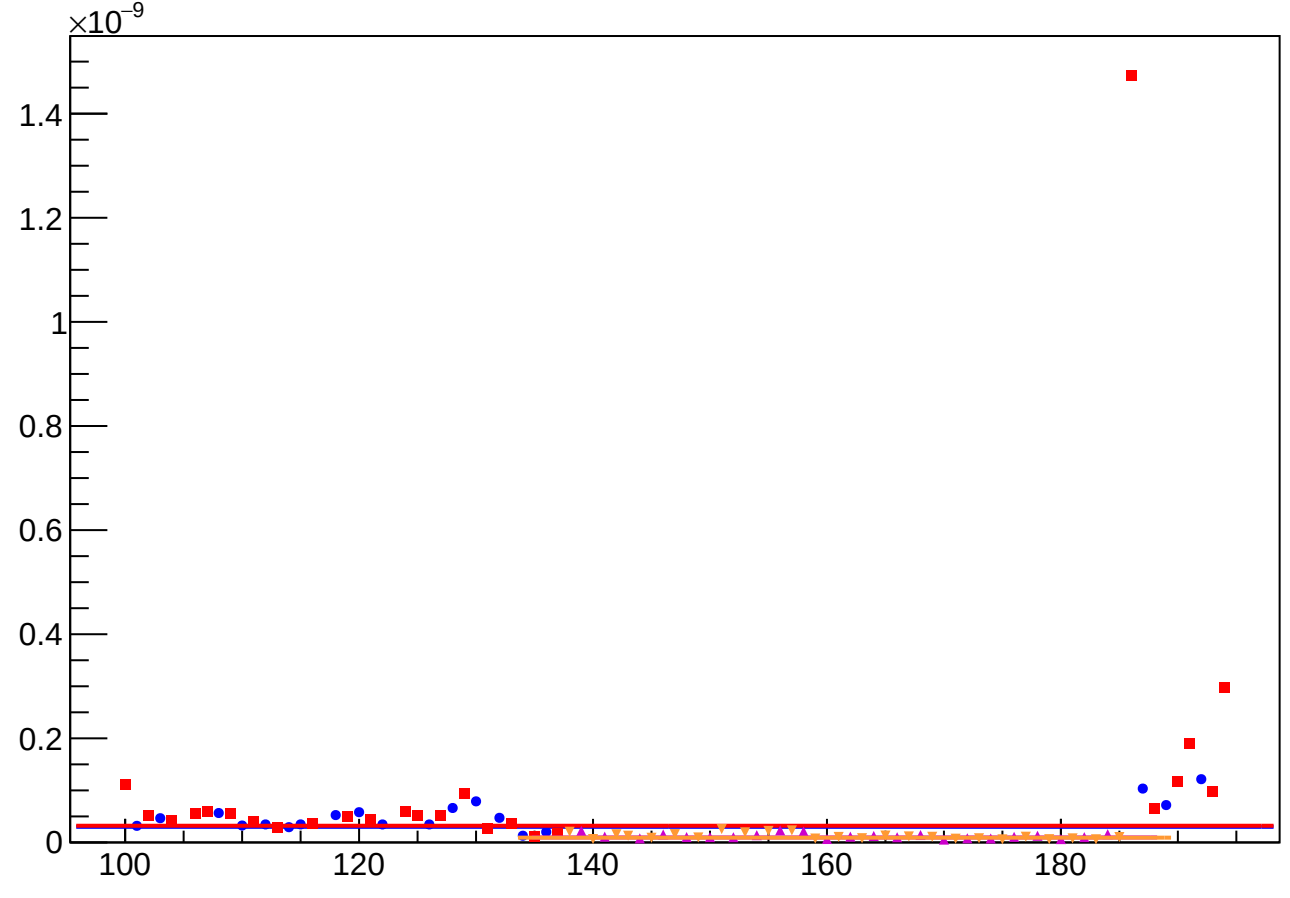
Right: 1013.305+/-0.168 χ^2/NDF: 3253143.5/43

In: 572.388+/-0.082 χ^2/NDF:5435658.9/41

Out: 582.979+/-0.080 χ^2/NDF:7781455.6/49

All: 577.802+/-0.057 χ^2/NDF: 13225631.8/91


asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 8.5/18
Left Out: 0.000+/-0.000 χ²/NDF:22.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/24
Left In: 0.000+/-0.000 χ²/NDF:10.8/22
Left: 0.000+/-0.000 χ²/NDF: 33.4/47
Right: -0.000+/-0.000 χ²/NDF: 30.8/43
In: 0.000+/-0.000 χ²/NDF:19.5/41
Out: 0.000+/-0.000 χ²/NDF:44.9/49
All: 0.000+/-0.000 χ²/NDF: 64.6/91



Right In: 0.000+/-0.000 χ^2/NDF: 1875496.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3591793.2/24

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

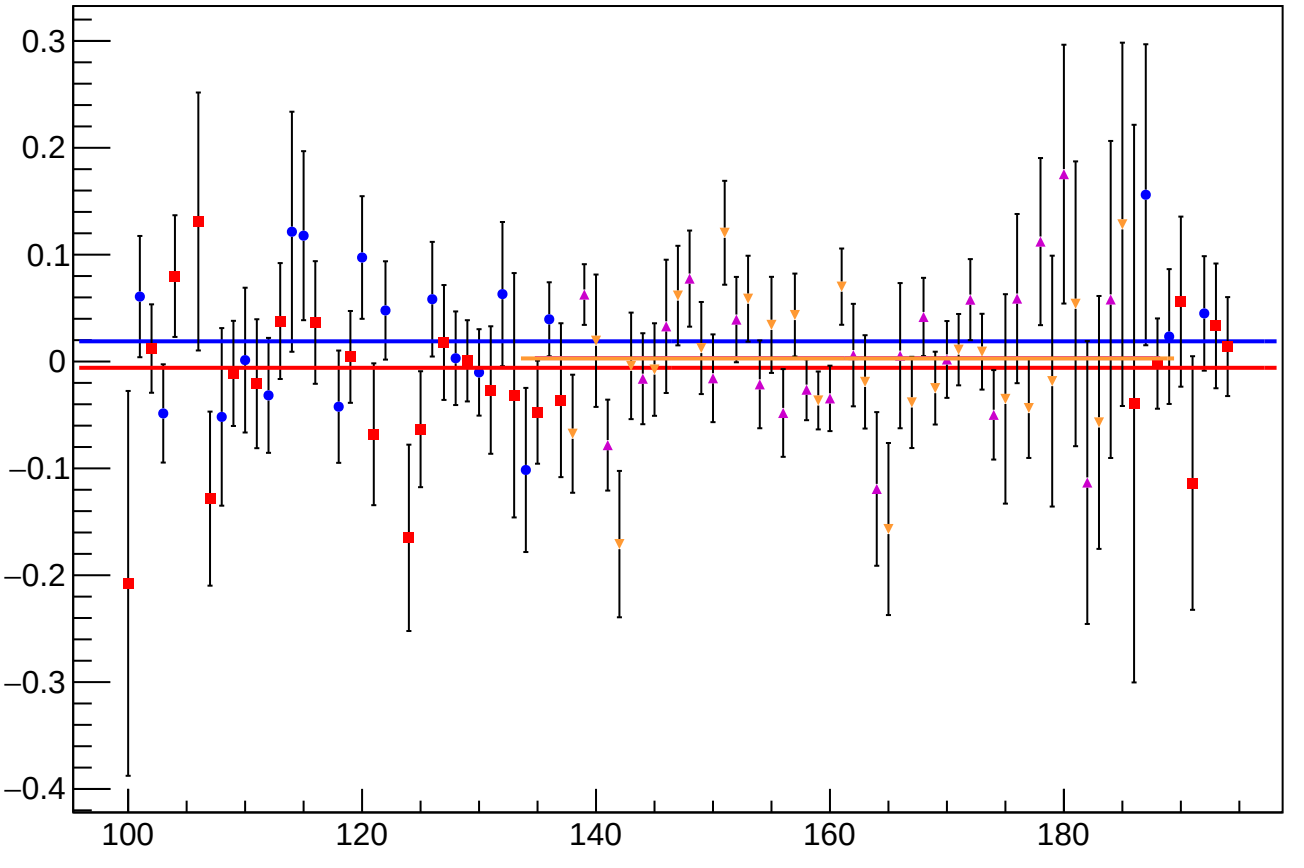
Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

Right: 0.000+/-0.000 χ^2/NDF: 5480261.7/43

In: 0.000+/-0.000 χ^2/NDF:6075998.5/41

Out: 0.000+/-0.000 χ^2/NDF:8569202.8/49

All: 0.000+/-0.000 χ^2/NDF: 14662296.0/91



Right In: 0.019+/-0.013 χ^2/NDF: 16.0/18

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.006+/-0.012 χ^2/NDF: 17.3/24

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

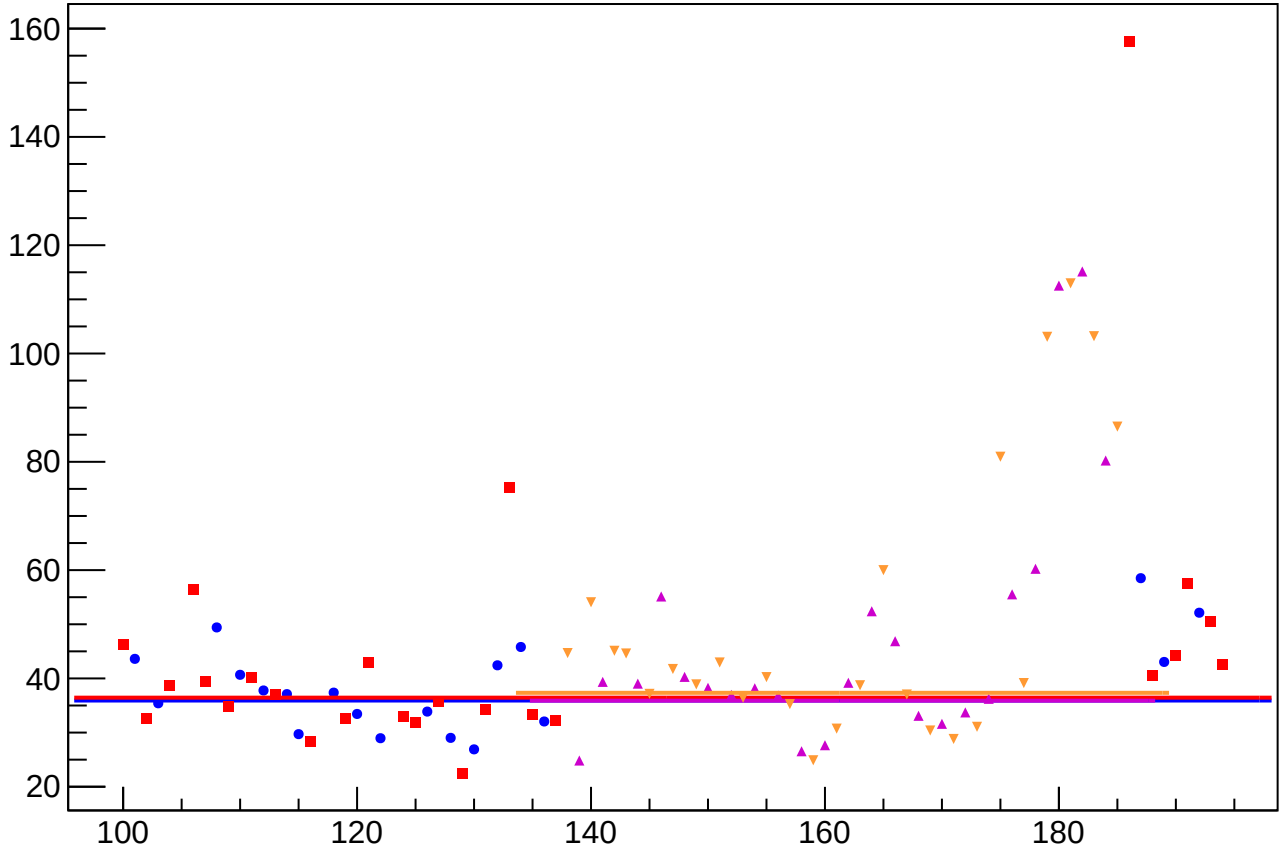
Right: 0.006+/-0.009 χ^2/NDF: 35.4/43

In: 0.009+/-0.007 χ^2/NDF:46.8/41

Out: -0.000+/-0.007 χ^2/NDF:50.5/49

All: 0.004+/-0.005 χ^2/NDF: 98.1/91

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.921+/-0.009 χ^2/NDF: 654468.7/18

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 36.449+/-0.008 χ^2/NDF: 1392955.0/24

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

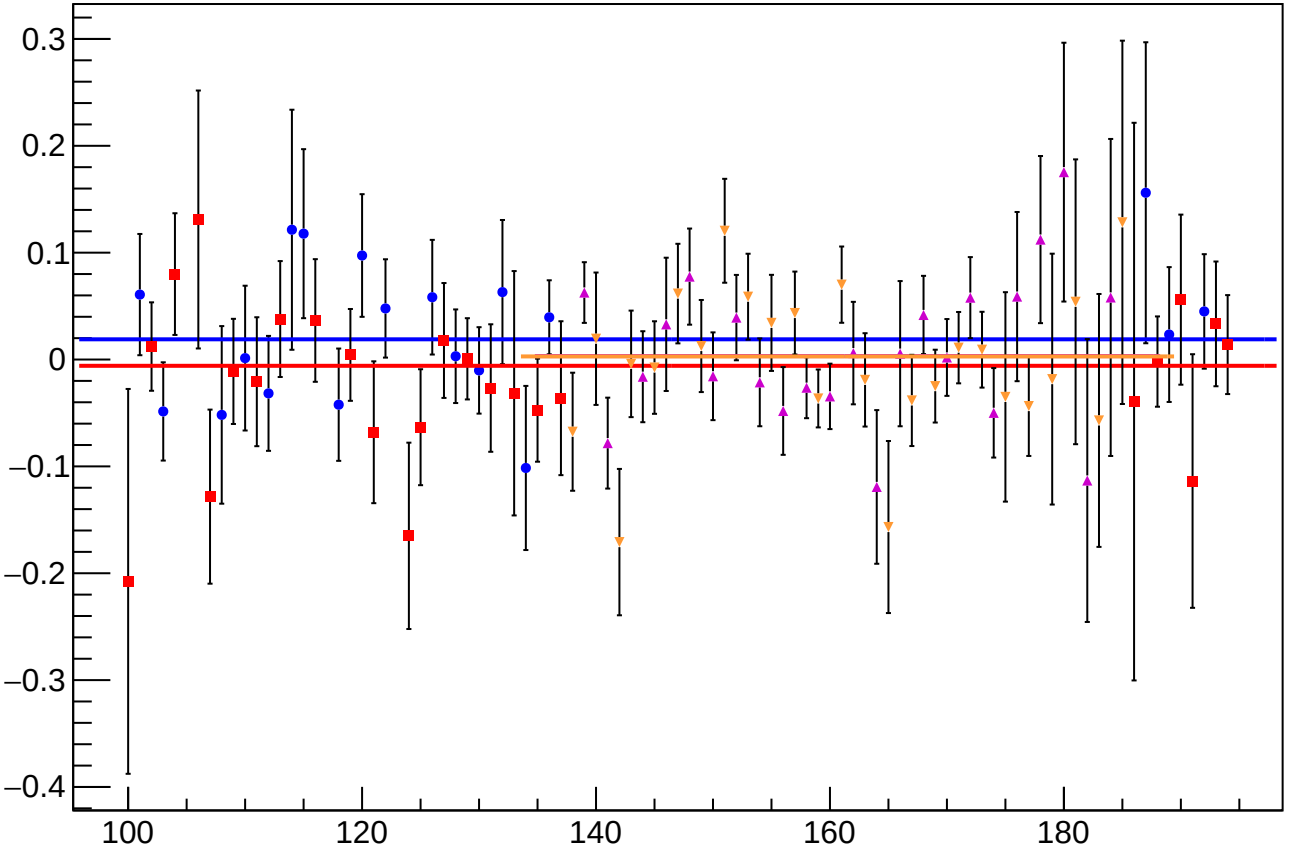
Right: 36.206+/-0.006 χ^2/NDF: 2049293.1/43

In: 35.905+/-0.005 χ^2/NDF:3792765.5/41

Out: 36.999+/-0.005 χ^2/NDF:5096796.5/49

All: 36.464+/-0.004 χ^2/NDF: 8911787.7/91

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.013 χ^2/NDF: 16.0/18

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.006+/-0.012 χ^2/NDF: 17.3/24

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

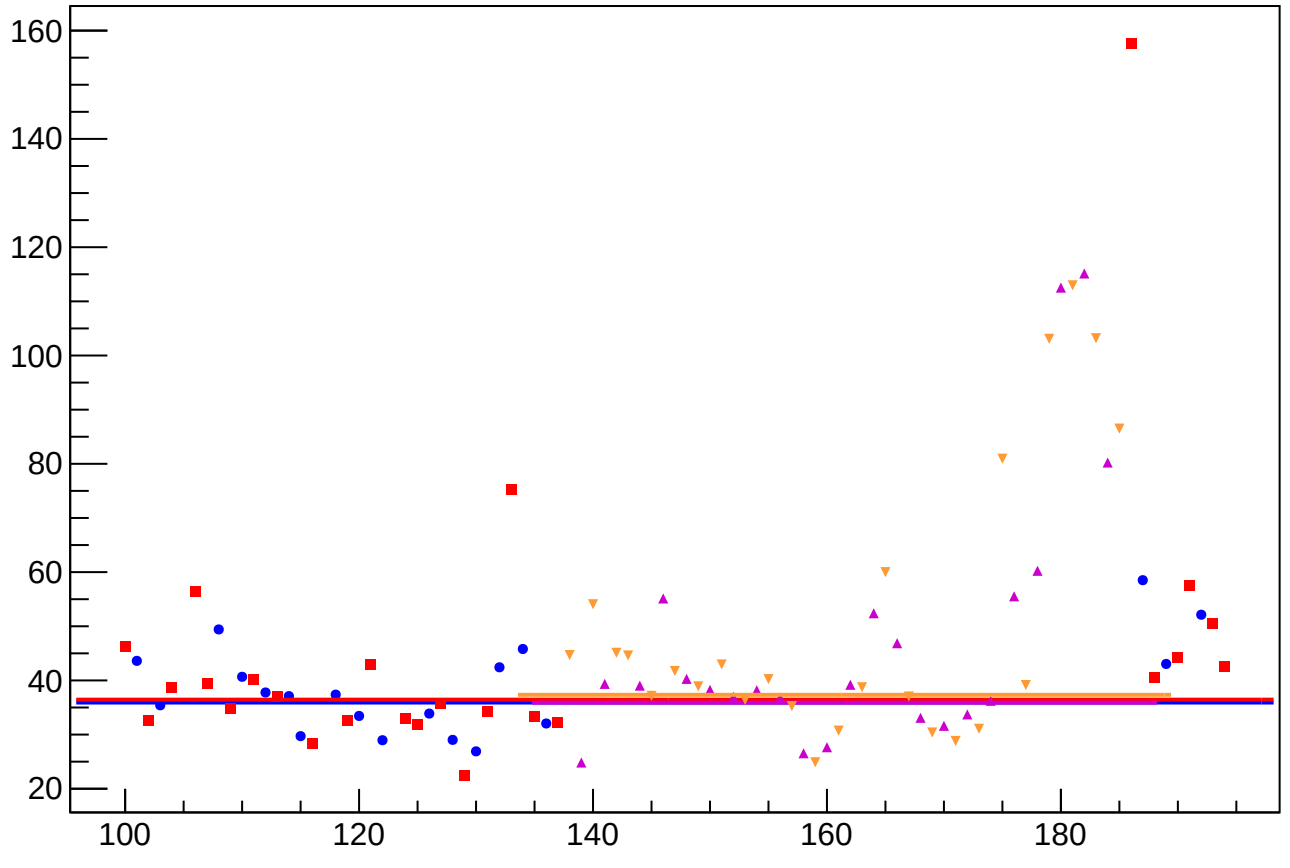
Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

Right: 0.006+/-0.009 χ^2/NDF: 35.4/43

In: 0.009+/-0.007 χ^2/NDF:46.8/41

Out: -0.000+/-0.007 χ^2/NDF:50.5/49

All: 0.004+/-0.005 χ^2/NDF: 98.1/91



Right In: 35.921+/-0.009 χ^2/NDF: 654468.7/18

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 36.449+/-0.008 χ^2/NDF: 1392955.0/24

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

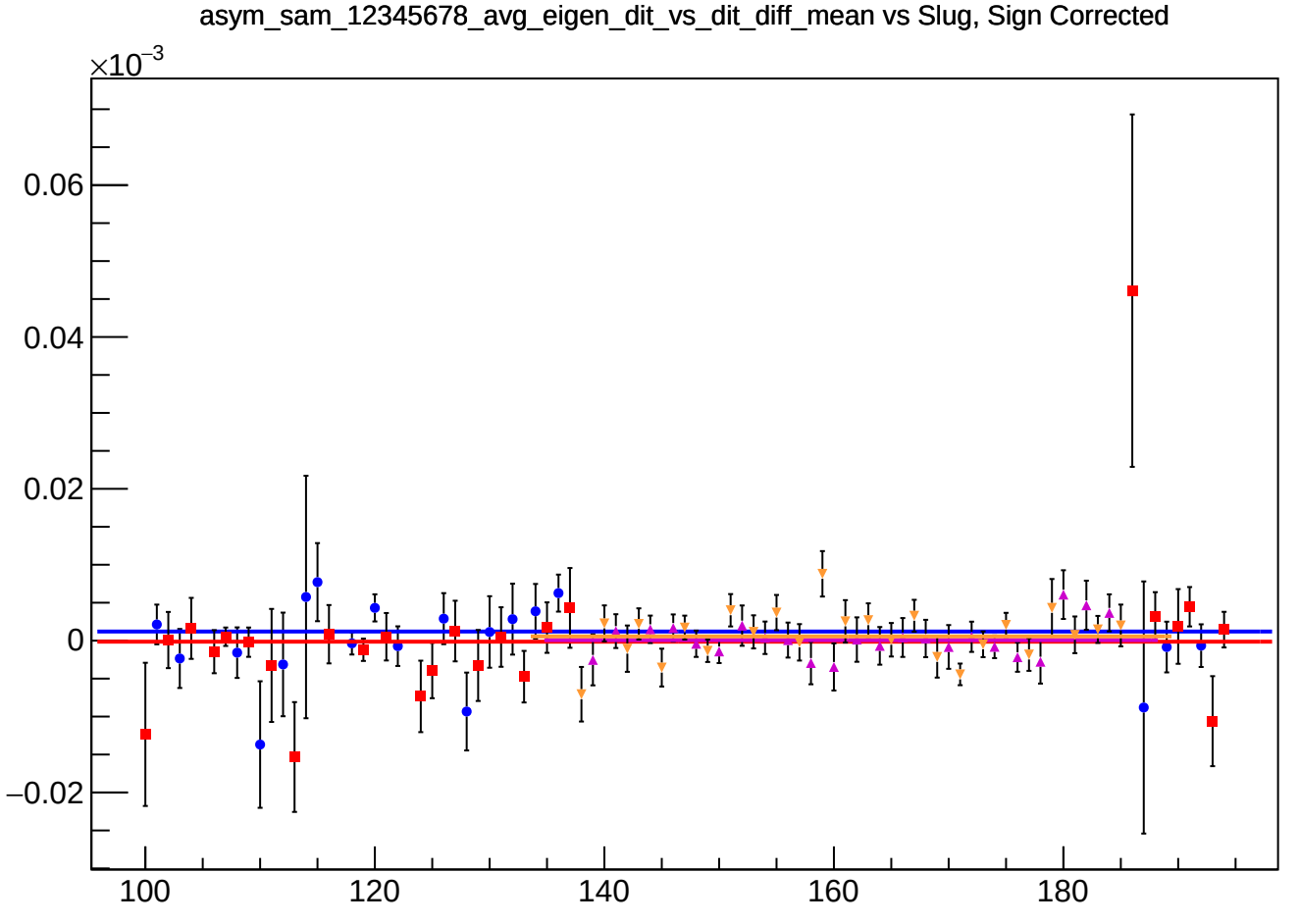
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 36.206+/-0.006 χ^2/NDF: 2049293.1/43

In: 35.905+/-0.005 χ^2/NDF:3792765.5/41

Out: 36.999+/-0.005 χ^2/NDF:5096796.5/49

All: 36.464+/-0.004 χ^2/NDF: 8911787.7/91



Right In: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.4/24

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

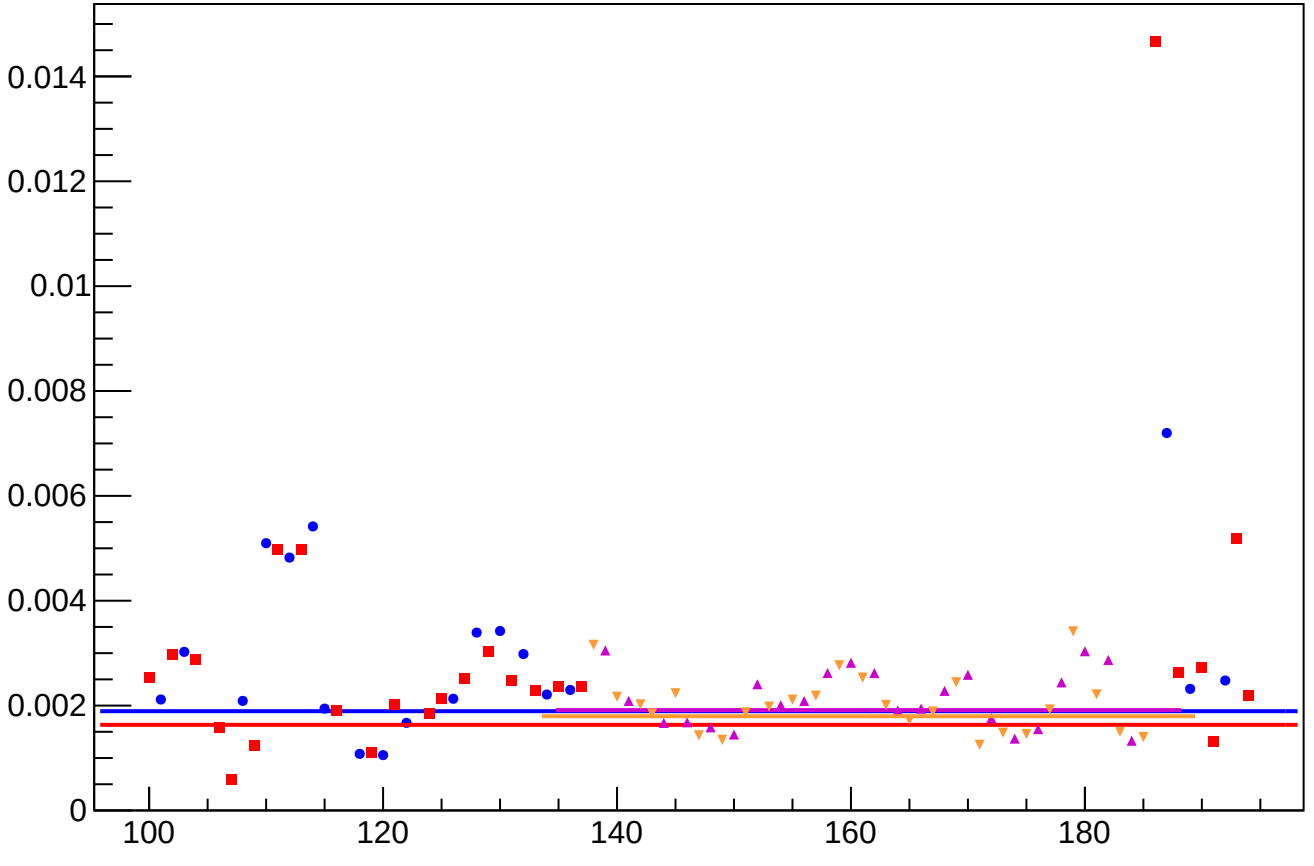
Right: 0.000+/-0.000 χ^2/NDF: 50.7/43

In: 0.000+/-0.000 χ^2/NDF:41.0/41

Out: 0.000+/-0.000 χ^2/NDF:70.8/49

All: 0.000+/-0.000 χ^2/NDF: 111.9/91

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2913072.7/18

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5553392.0/24

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

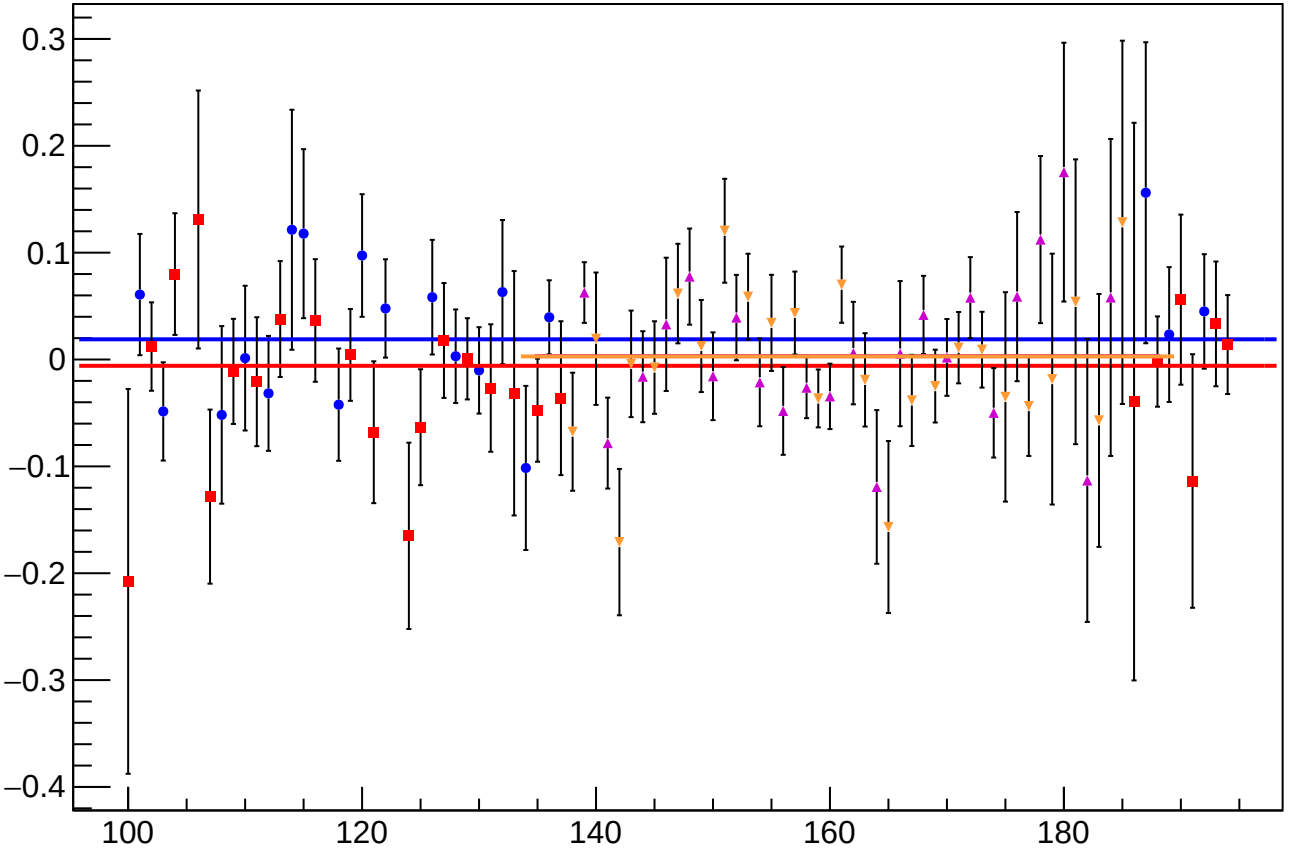
Right: 0.002+/-0.000 χ^2/NDF: 8625831.2/43

In: 0.002+/-0.000 χ^2/NDF:5085985.5/41

Out: 0.002+/-0.000 χ^2/NDF:7934922.7/49

All: 0.002+/-0.000 χ^2/NDF: 13227483.7/91

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.013 χ^2/NDF: 16.0/18

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.006+/-0.012 χ^2/NDF: 17.3/24

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

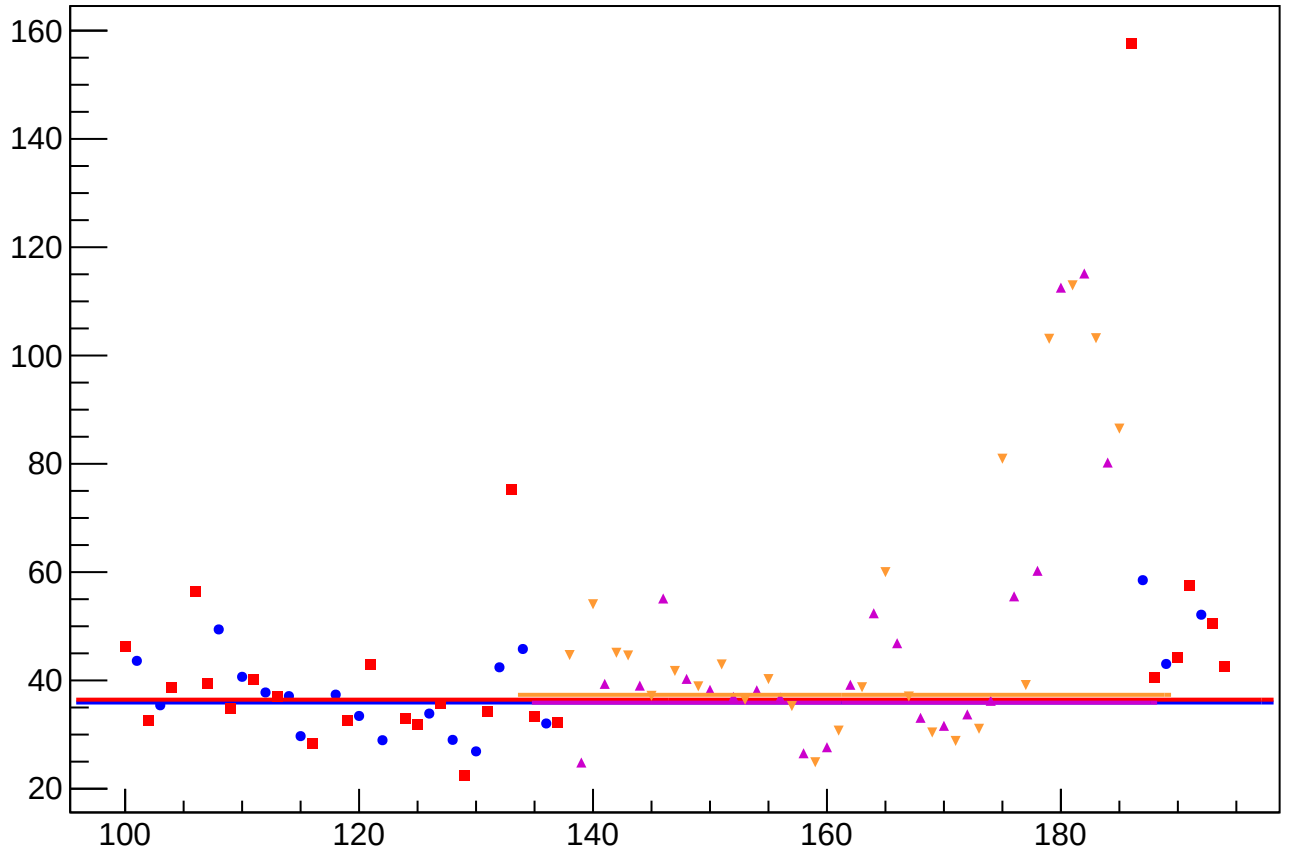
Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

Right: 0.006+/-0.009 χ^2/NDF: 35.4/43

In: 0.009+/-0.007 χ^2/NDF:46.8/41

Out: -0.000+/-0.007 χ^2/NDF:50.5/49

All: 0.004+/-0.005 χ^2/NDF: 98.1/91



Right In: 35.920+/-0.009 χ^2/NDF: 654545.3/18

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 36.448+/-0.008 χ^2/NDF: 1393034.9/24

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

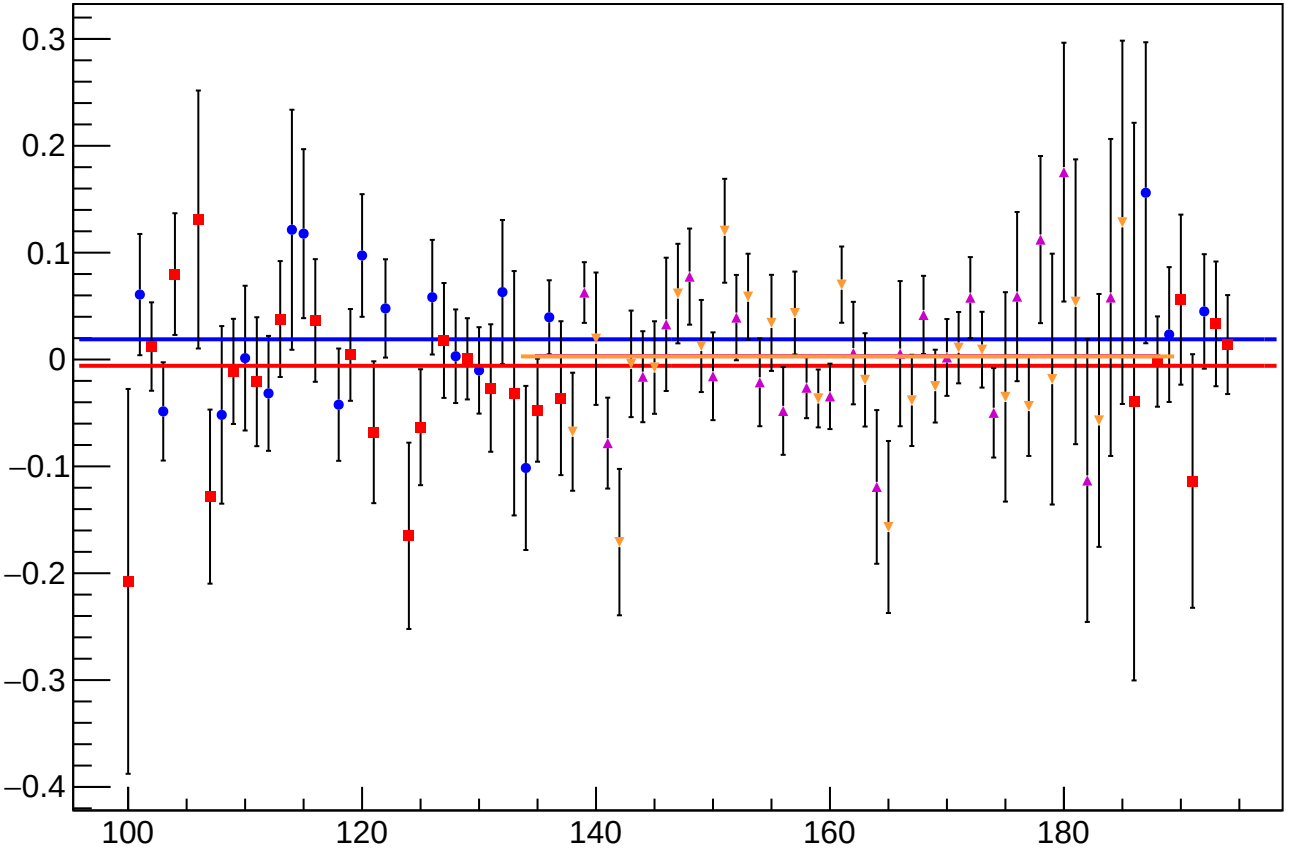
Right: 36.205+/-0.006 χ^2/NDF: 2049452.1/43

In: 35.905+/-0.005 χ^2/NDF:3792857.5/41

Out: 36.999+/-0.005 χ^2/NDF:5096936.6/49

All: 36.464+/-0.004 χ^2/NDF: 8912020.5/91

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.013 χ^2/NDF: 16.0/18

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.006+/-0.012 χ^2/NDF: 17.3/24

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

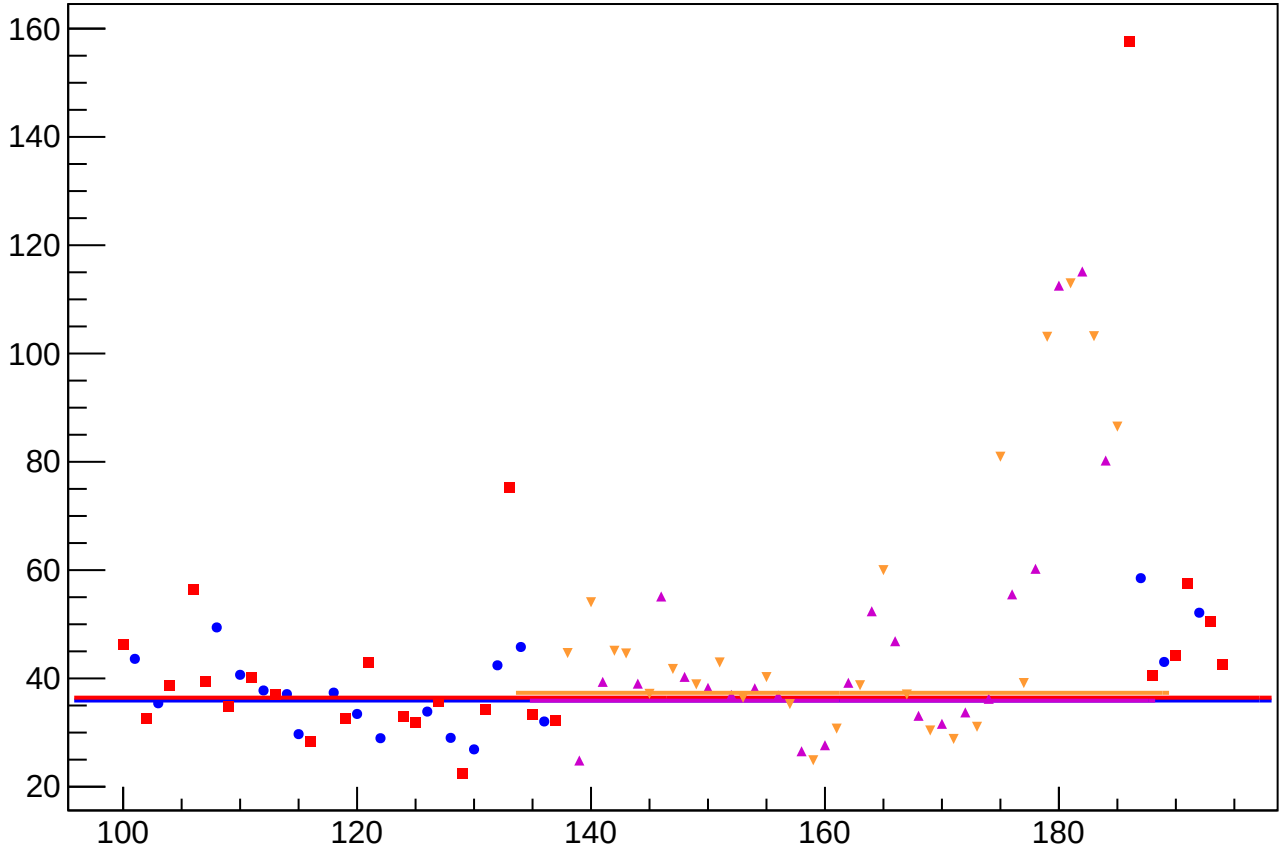
Right: 0.006+/-0.009 χ^2/NDF: 35.4/43

In: 0.009+/-0.007 χ^2/NDF:46.8/41

Out: -0.000+/-0.007 χ^2/NDF:50.5/49

All: 0.004+/-0.005 χ^2/NDF: 98.1/91

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.920+/-0.009 χ^2/NDF: 654545.3/18

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 36.448+/-0.008 χ^2/NDF: 1393034.9/24

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

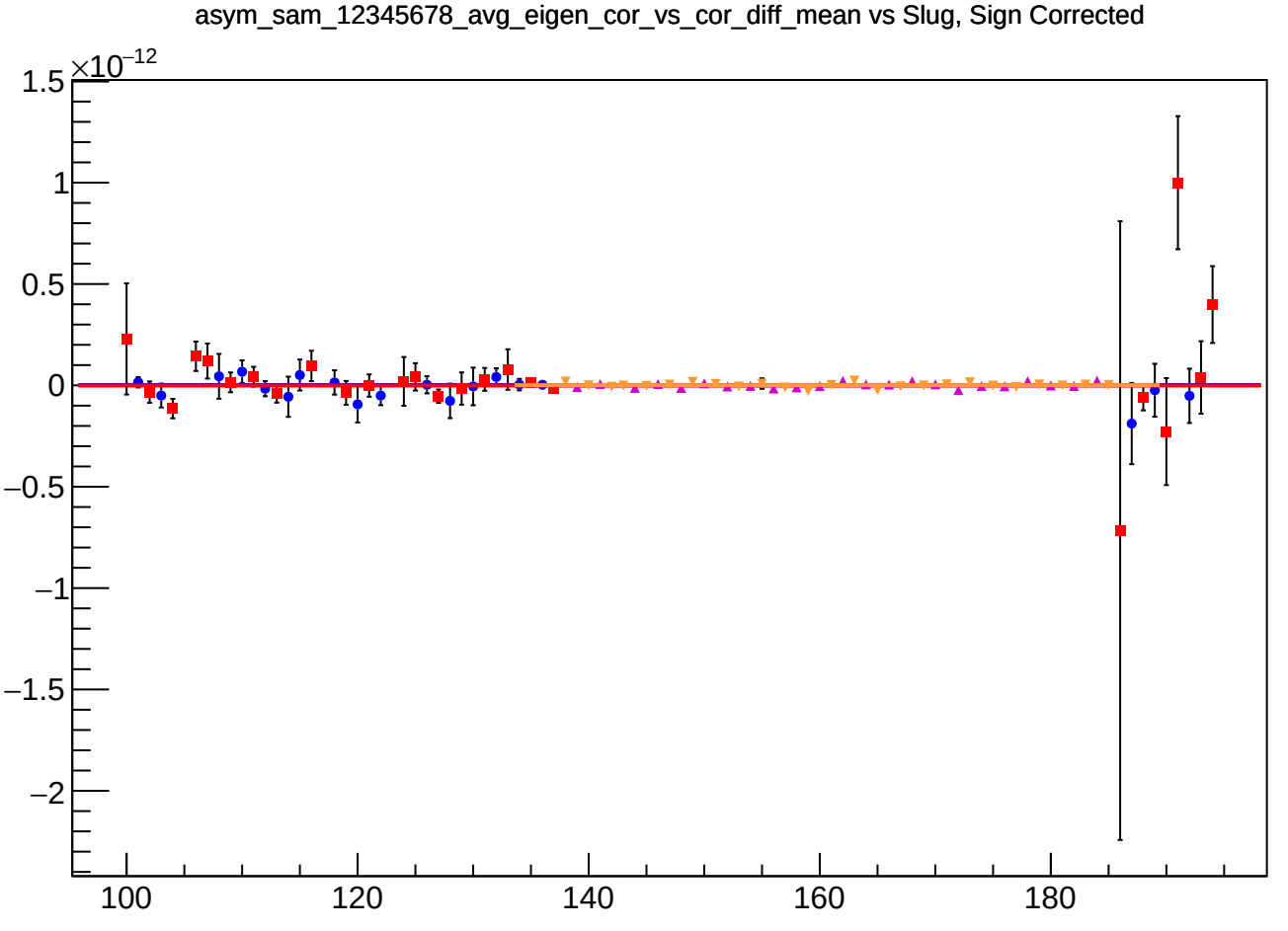
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

Right: 36.205+/-0.006 χ^2/NDF: 2049452.1/43

In: 35.905+/-0.005 χ^2/NDF:3792857.5/41

Out: 36.999+/-0.005 χ^2/NDF:5096936.6/49

All: 36.464+/-0.004 χ^2/NDF: 8912020.5/91



Right In: 0.000+/-0.000 χ^2/NDF: 8.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.1/24

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

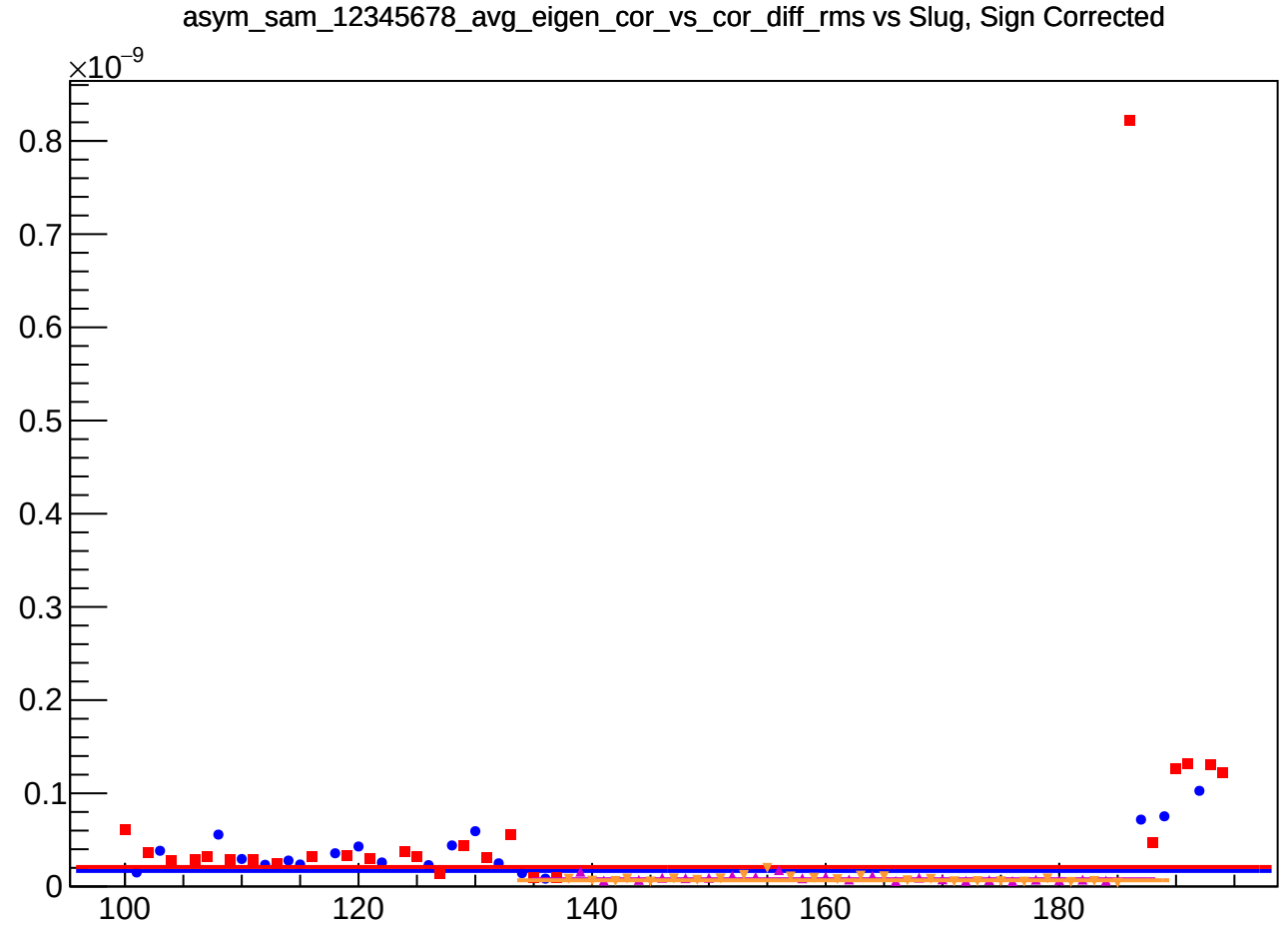
Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 45.9/43

In: 0.000+/-0.000 χ^2/NDF:38.0/41

Out: 0.000+/-0.000 χ^2/NDF:58.5/49

All: 0.000+/-0.000 χ^2/NDF: 96.5/91



Right In: 0.000+/-0.000 χ^2/NDF: 4213653.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5256045.1/24

Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

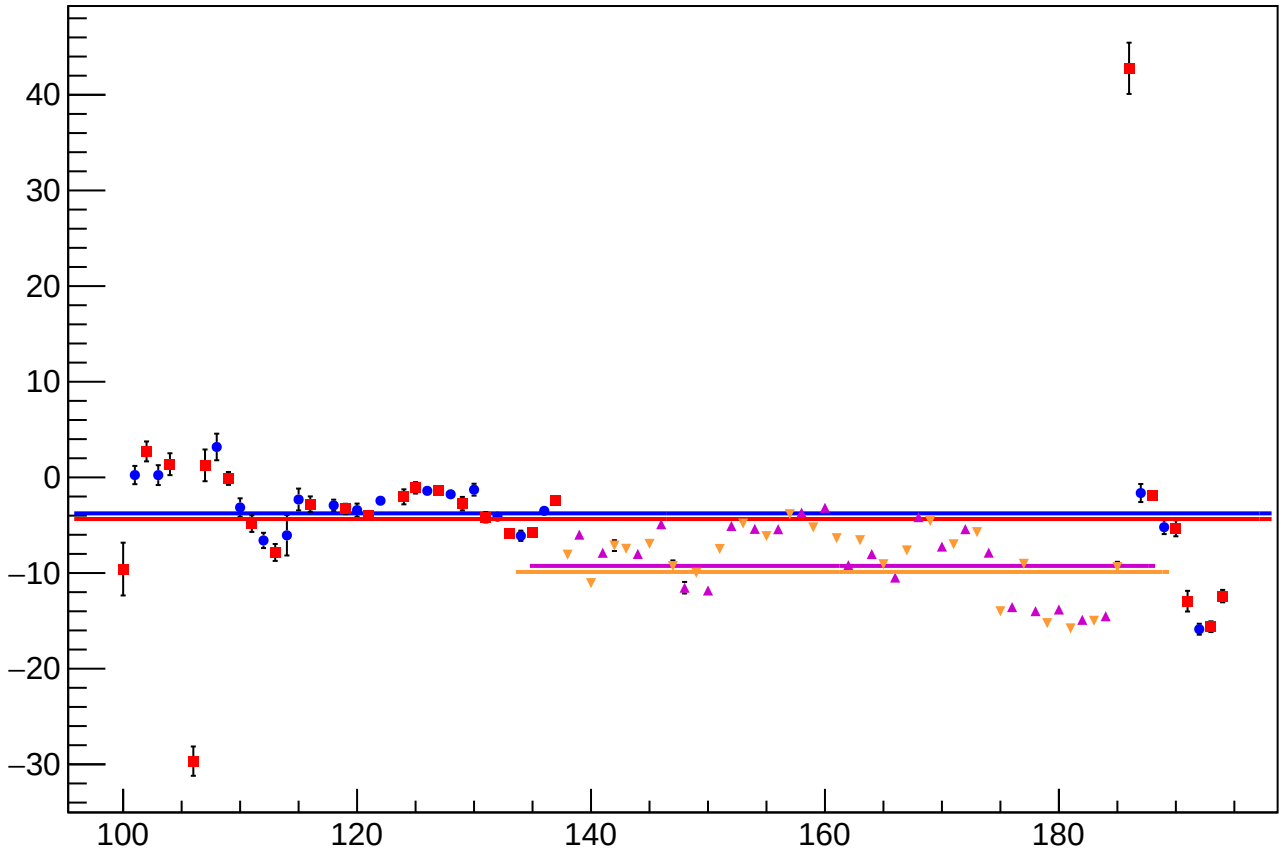
Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

Right: 0.000+/-0.000 χ^2/NDF: 9674020.1/43

In: 0.000+/-0.000 χ^2/NDF:7775166.4/41

Out: 0.000+/-0.000 χ^2/NDF:11319881.2/49

All: 0.000+/-0.000 χ^2/NDF: 19370058.0/91



Right In: -3.760+/-0.128 χ^2/NDF: 616.3/18

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -4.351+/-0.121 χ^2/NDF: 1543.6/24

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

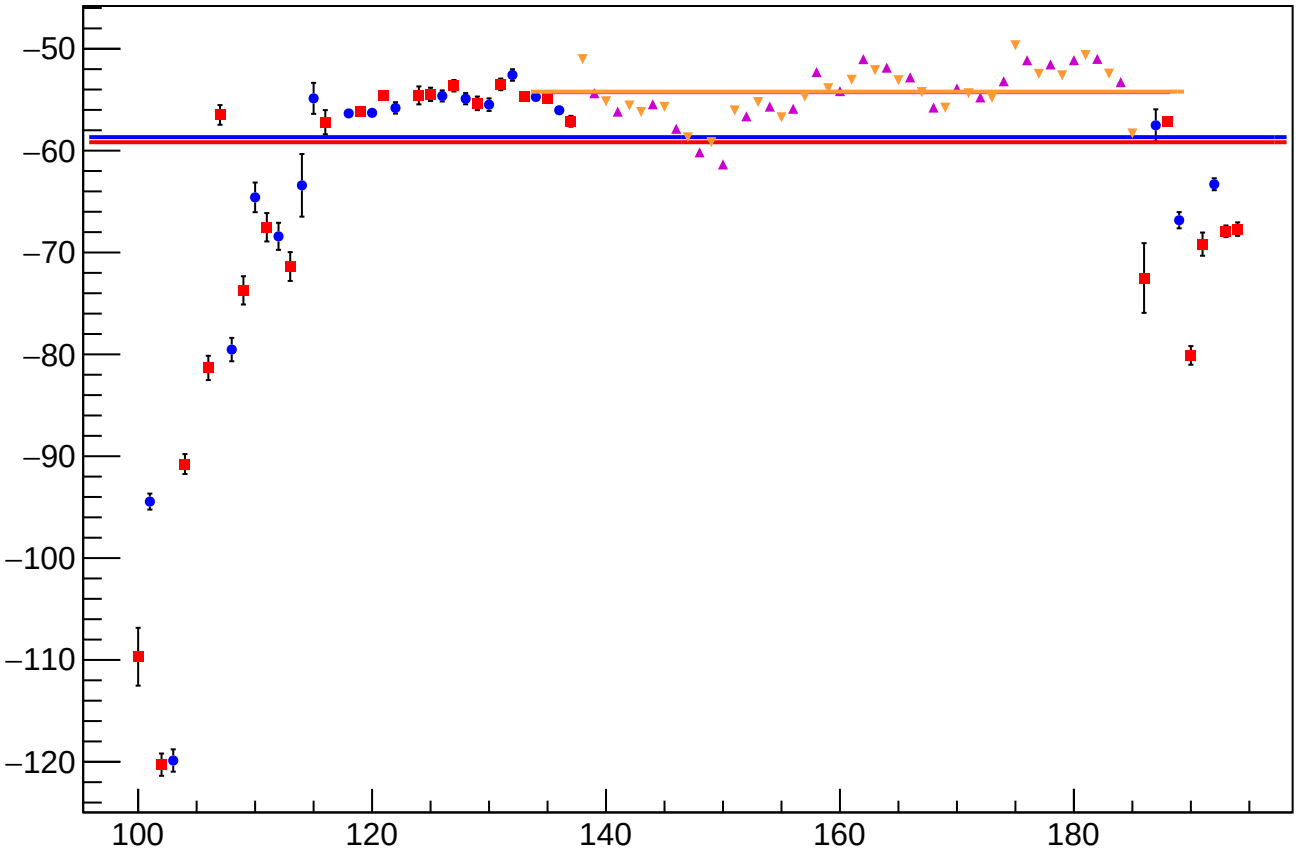
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

Right: -4.073+/-0.088 χ^2/NDF: 2171.1/43

In: -7.949+/-0.063 χ^2/NDF:5082.7/41

Out: -8.511+/-0.060 χ^2/NDF:6325.3/49

All: -8.240+/-0.043 χ^2/NDF: 11449.8/91



Right In: -58.678+/-0.130 χ^2/NDF: 6306.3/18

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -59.175+/-0.125 χ^2/NDF: 6926.0/24

Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

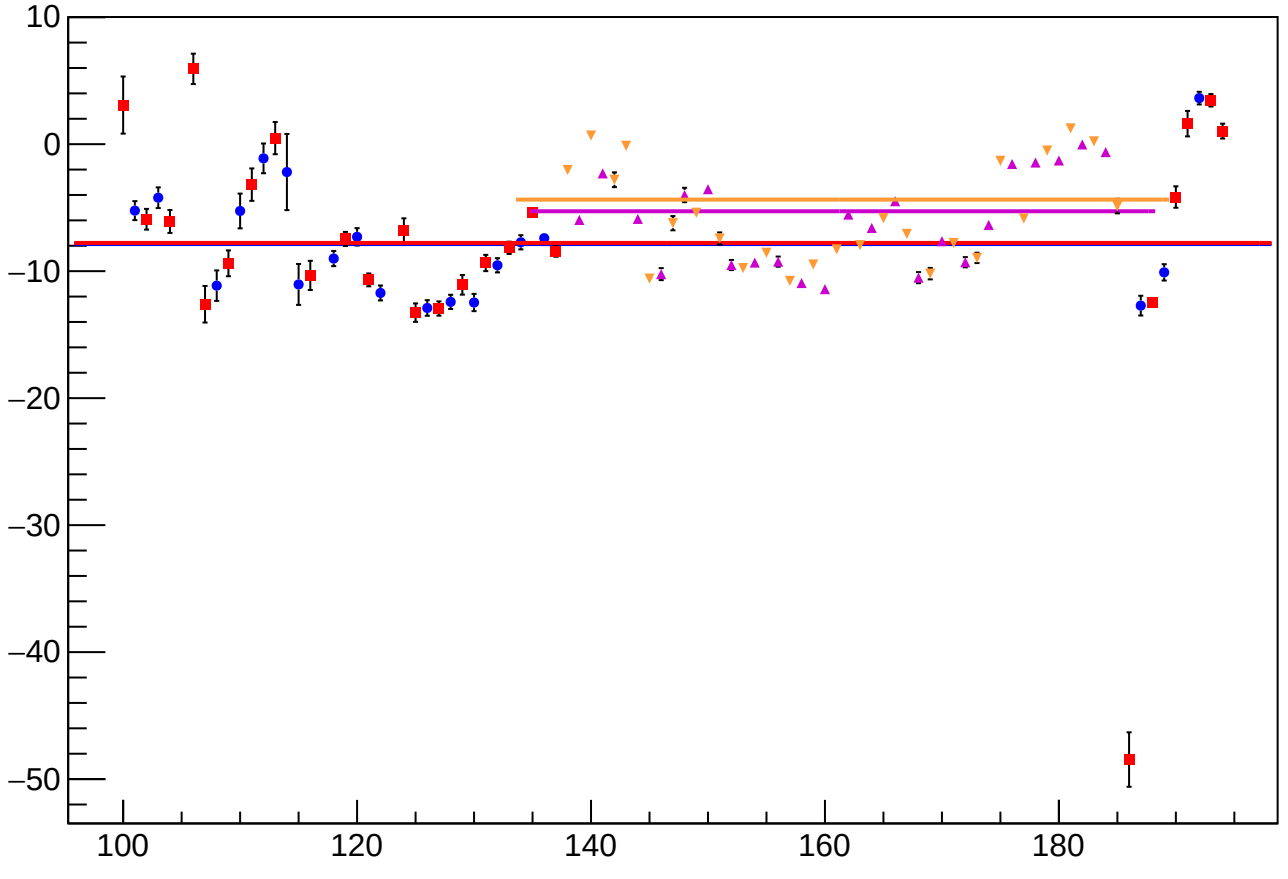
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -58.935+/-0.090 χ^2/NDF: 13239.9/43

In: -54.999+/-0.053 χ^2/NDF:9760.4/41

Out: -55.031+/-0.051 χ^2/NDF:10098.3/49

All: -55.016+/-0.037 χ^2/NDF: 19858.9/91



Right In: -7.865+/-0.134 χ^2/NDF: 907.2/18

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -7.777+/-0.122 χ^2/NDF: 2034.4/24

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

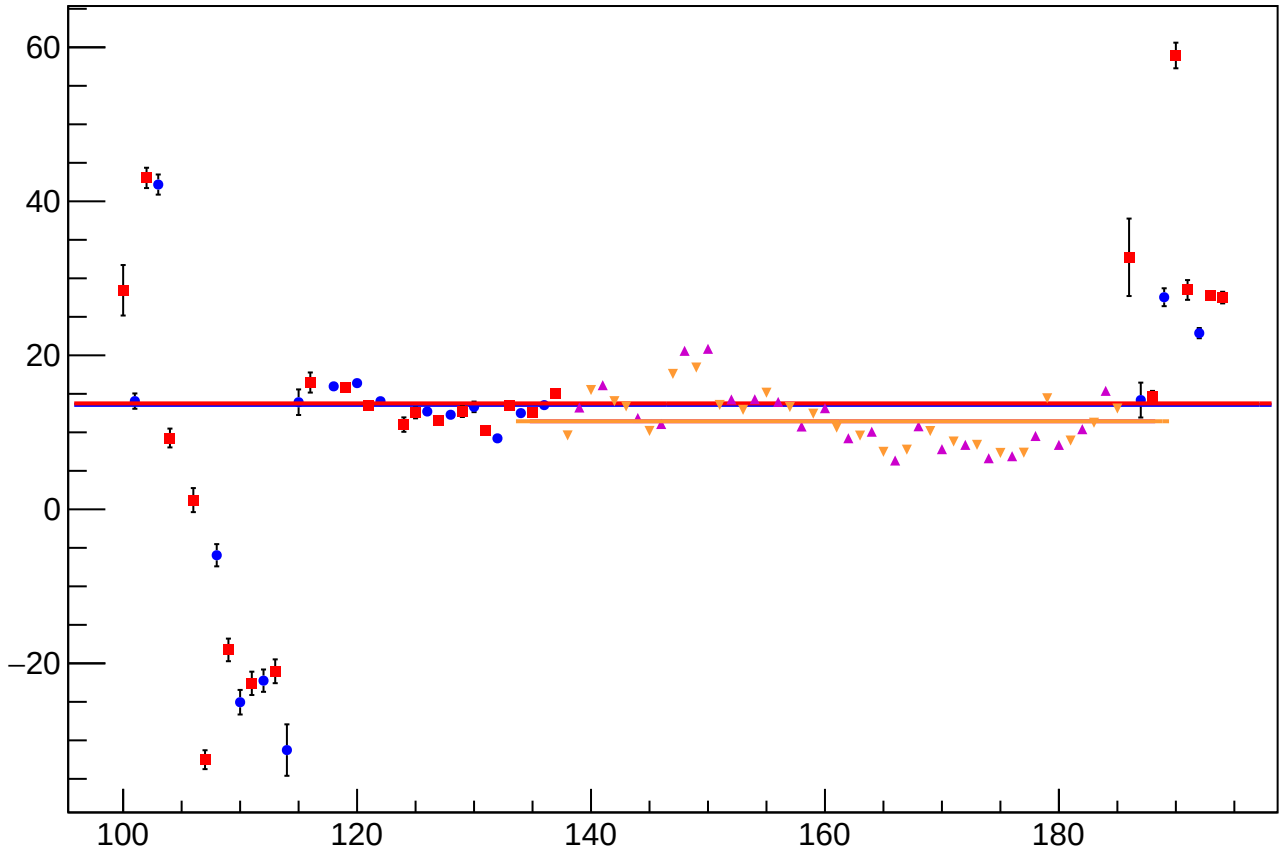
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -7.817+/-0.090 χ^2/NDF: 2941.8/43

In: -5.851+/-0.063 χ^2/NDF:3947.8/41

Out: -5.196+/-0.060 χ^2/NDF:6325.8/49

All: -5.510+/-0.043 χ^2/NDF: 10330.3/91



Right In: 13.566+/-0.145 χ^2/NDF: 2492.0/18

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 13.760+/-0.143 χ^2/NDF: 5364.8/24

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

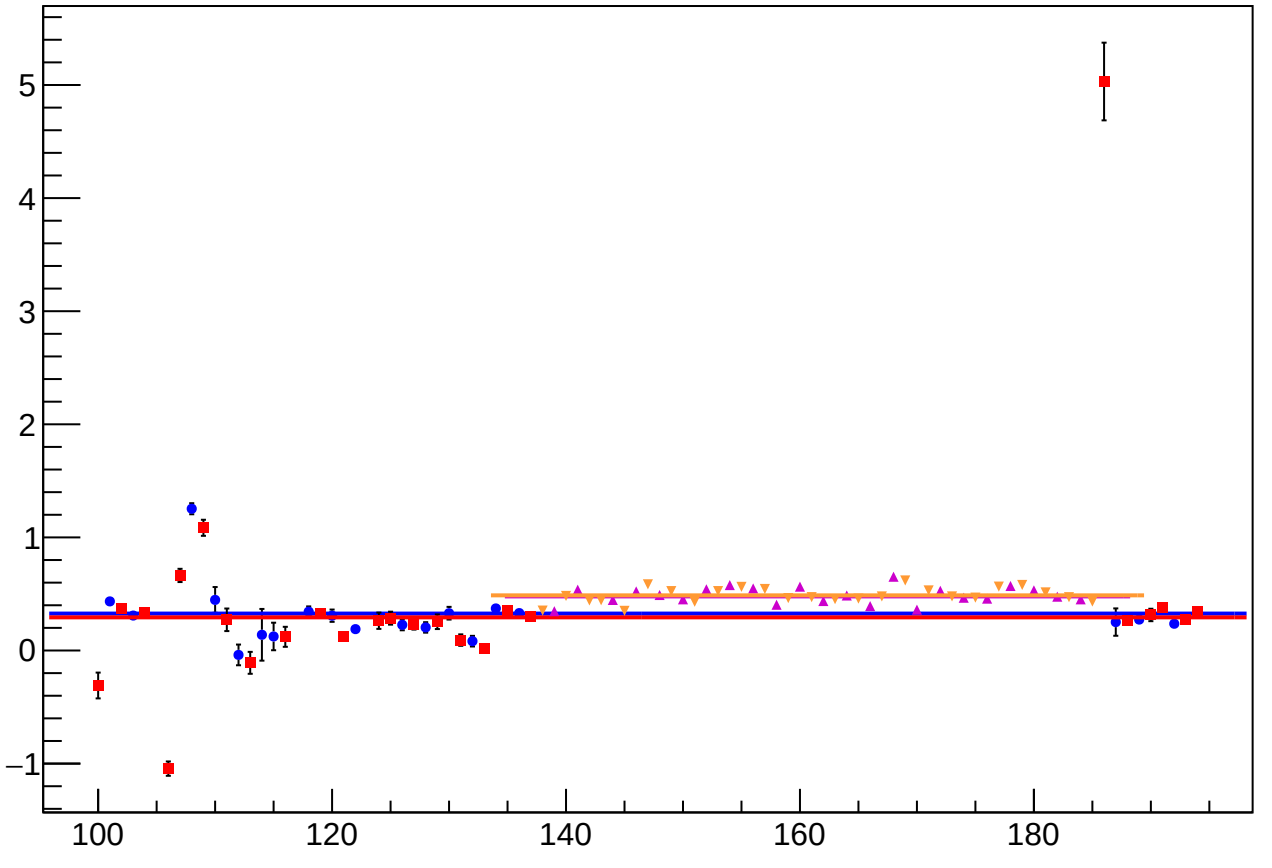
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

Right: 13.664+/-0.102 χ^2/NDF: 7857.7/43

In: 11.788+/-0.059 χ^2/NDF:6029.6/41

Out: 11.804+/-0.057 χ^2/NDF:8022.1/49

All: 11.797+/-0.041 χ^2/NDF: 14051.7/91



Right In: 0.326+/-0.007 χ^2/NDF: 458.6/18

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.293+/-0.007 χ^2/NDF: 983.1/24

Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

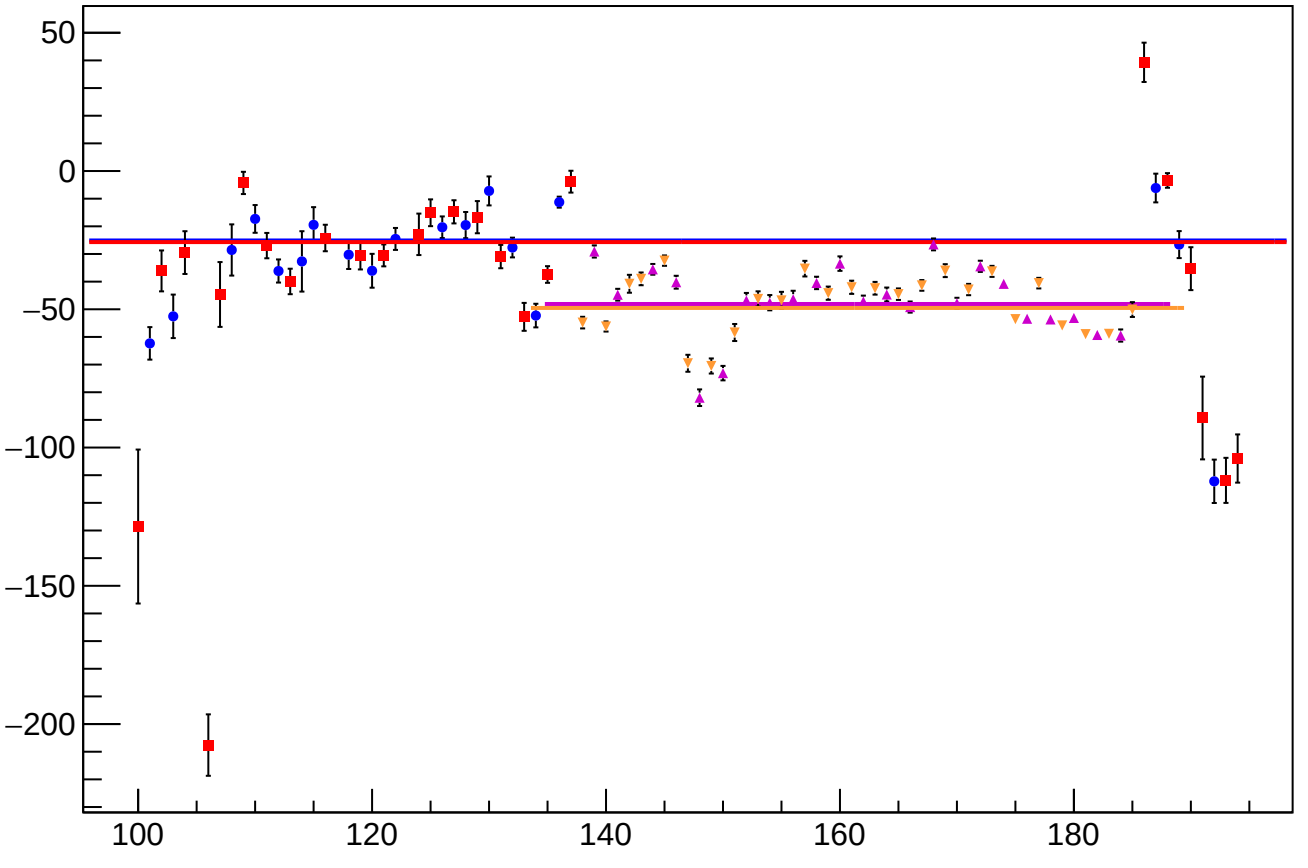
Left: 0.483+/-0.002 χ^2/NDF: 1343.4/47

Right: 0.309+/-0.005 χ^2/NDF: 1452.8/43

In: 0.459+/-0.003 χ^2/NDF:1640.5/41

Out: 0.462+/-0.003 χ^2/NDF:2201.8/49

All: 0.460+/-0.002 χ^2/NDF: 3842.7/91



Right In: -25.120+/-1.030 χ^2/NDF: 308.2/18

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -25.698+/-1.007 χ^2/NDF: 784.0/24

Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

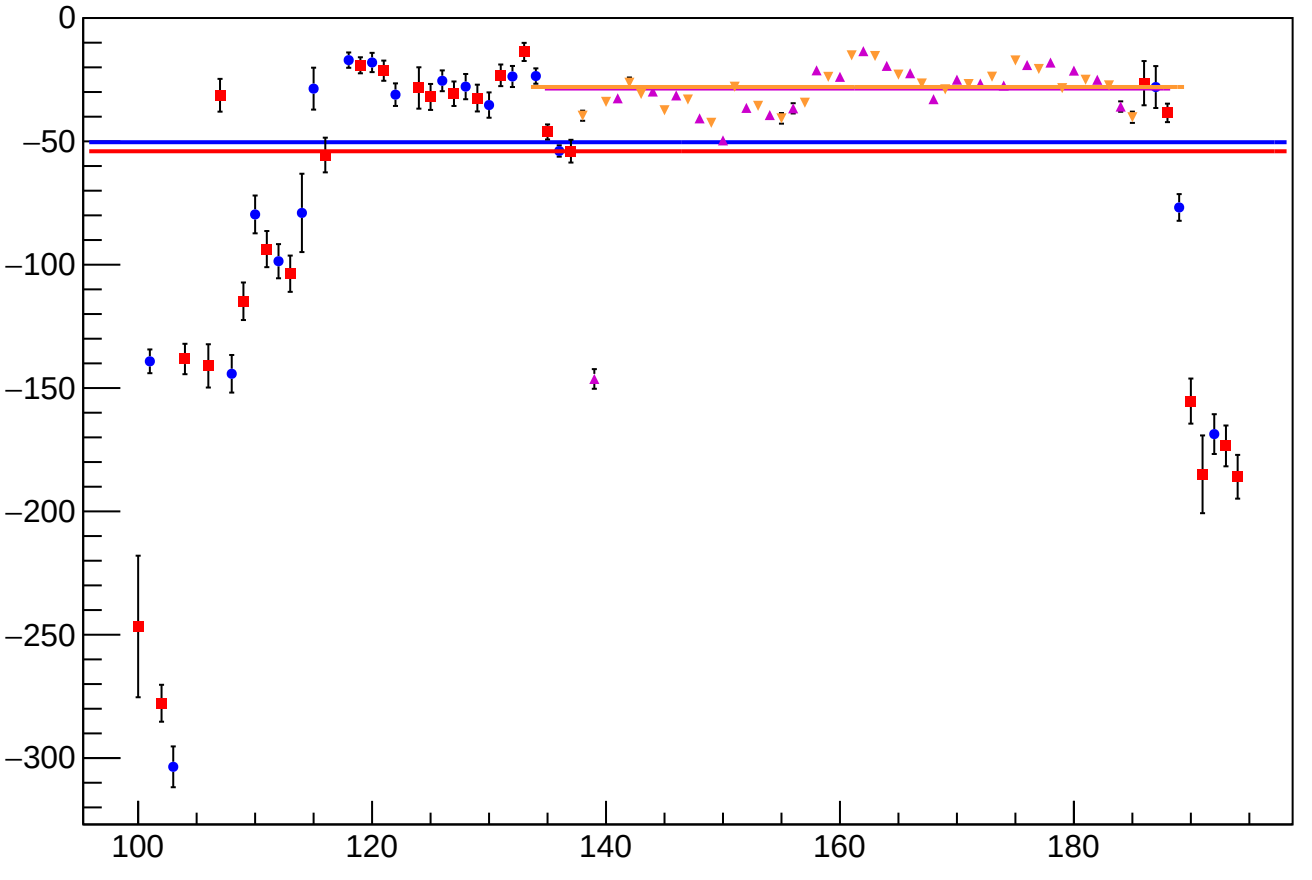
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -25.415+/-0.720 χ^2/NDF: 1092.4/43

In: -44.833+/-0.388 χ^2/NDF:1441.2/41

Out: -46.238+/-0.374 χ^2/NDF:1842.6/49

All: -45.561+/-0.269 χ^2/NDF: 3290.6/91



Right In: -50.347+/-1.061 χ^2/NDF: 2126.7/18

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -54.018+/-1.090 χ^2/NDF: 2442.2/24

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

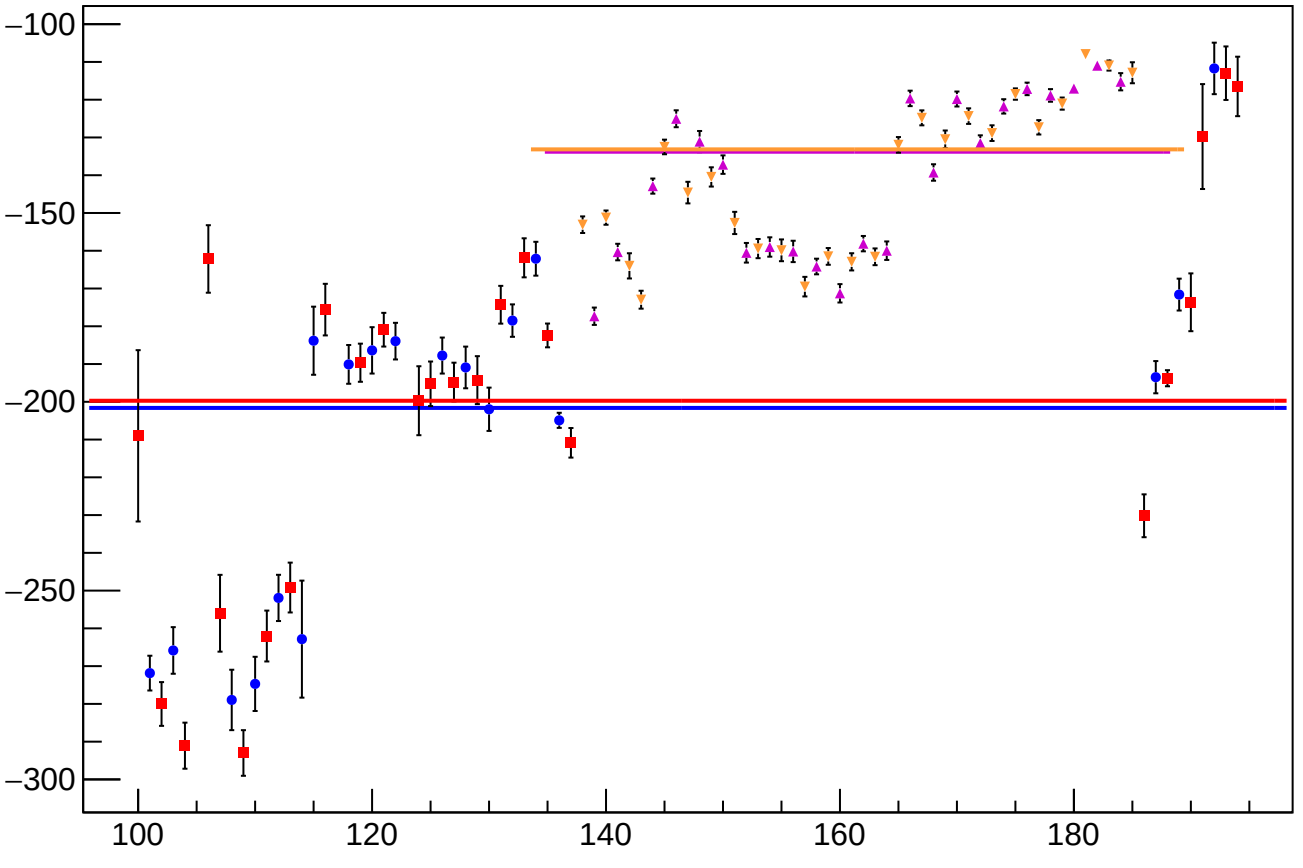
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -52.133+/-0.760 χ^2/NDF: 4574.7/43

In: -30.550+/-0.318 χ^2/NDF:3990.0/41

Out: -30.040+/-0.308 χ^2/NDF:3466.2/49

All: -30.286+/-0.221 χ^2/NDF: 7457.5/91



Right In: -201.620+/-1.083 χ^2/NDF: 999.5/18

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -199.723+/-1.042 χ^2/NDF: 1334.1/24

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

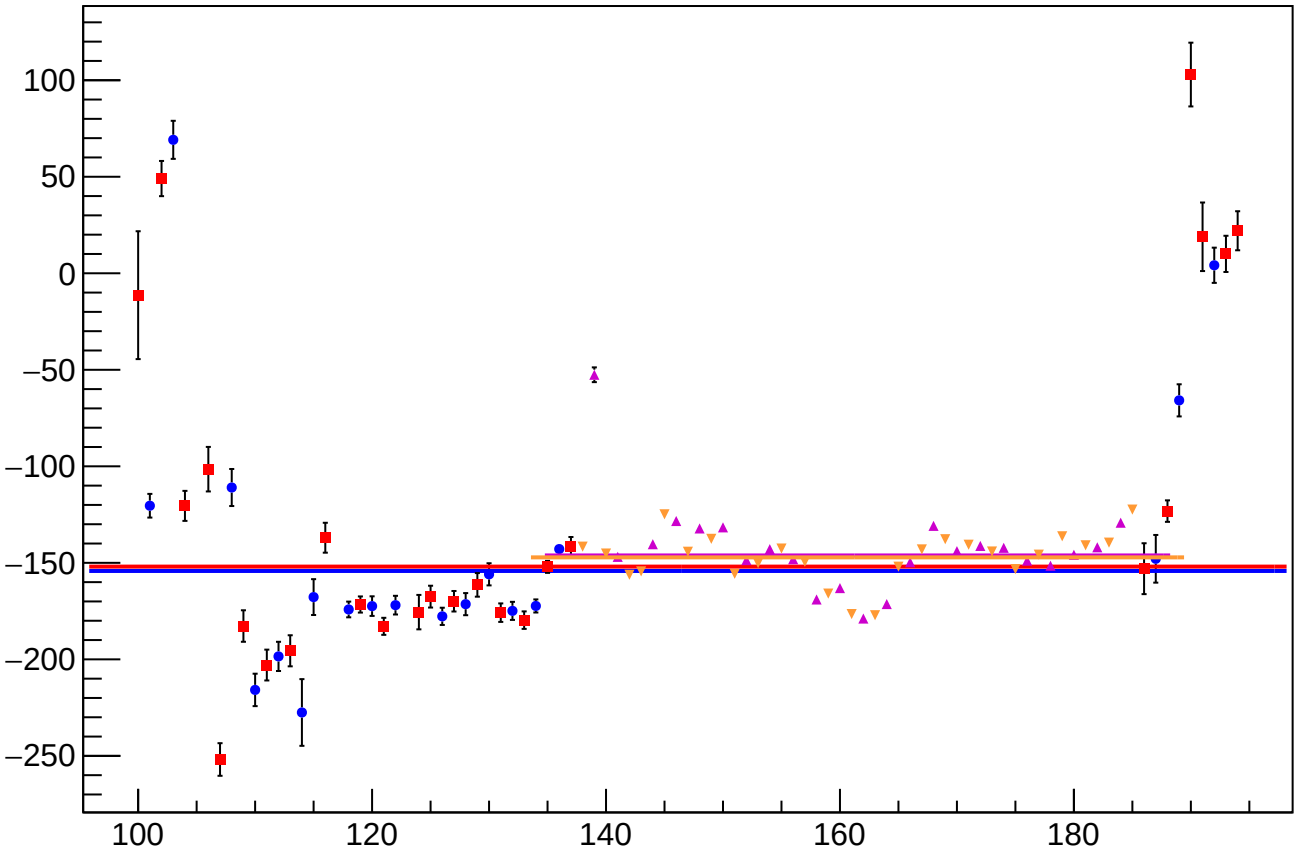
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -200.635+/-0.751 χ^2/NDF: 2335.2/43

In: -142.538+/-0.389 χ^2/NDF:6858.5/41

Out: -141.810+/-0.376 χ^2/NDF:7413.8/49

All: -142.161+/-0.270 χ^2/NDF: 14274.1/91



Right In: -154.211+/-1.196 χ^2/NDF: 1245.8/18

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -151.953+/-1.254 χ^2/NDF: 1886.3/24

Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

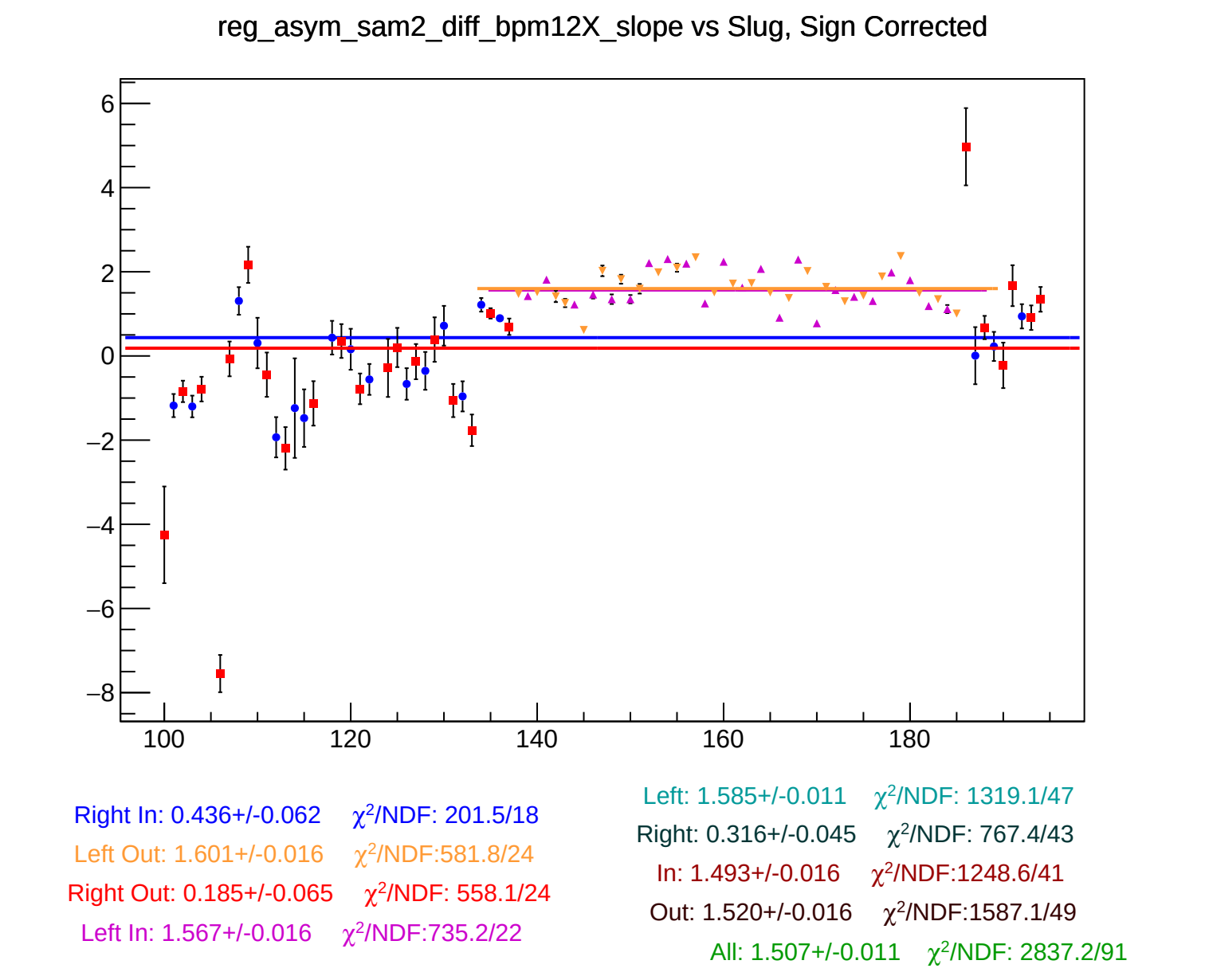
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

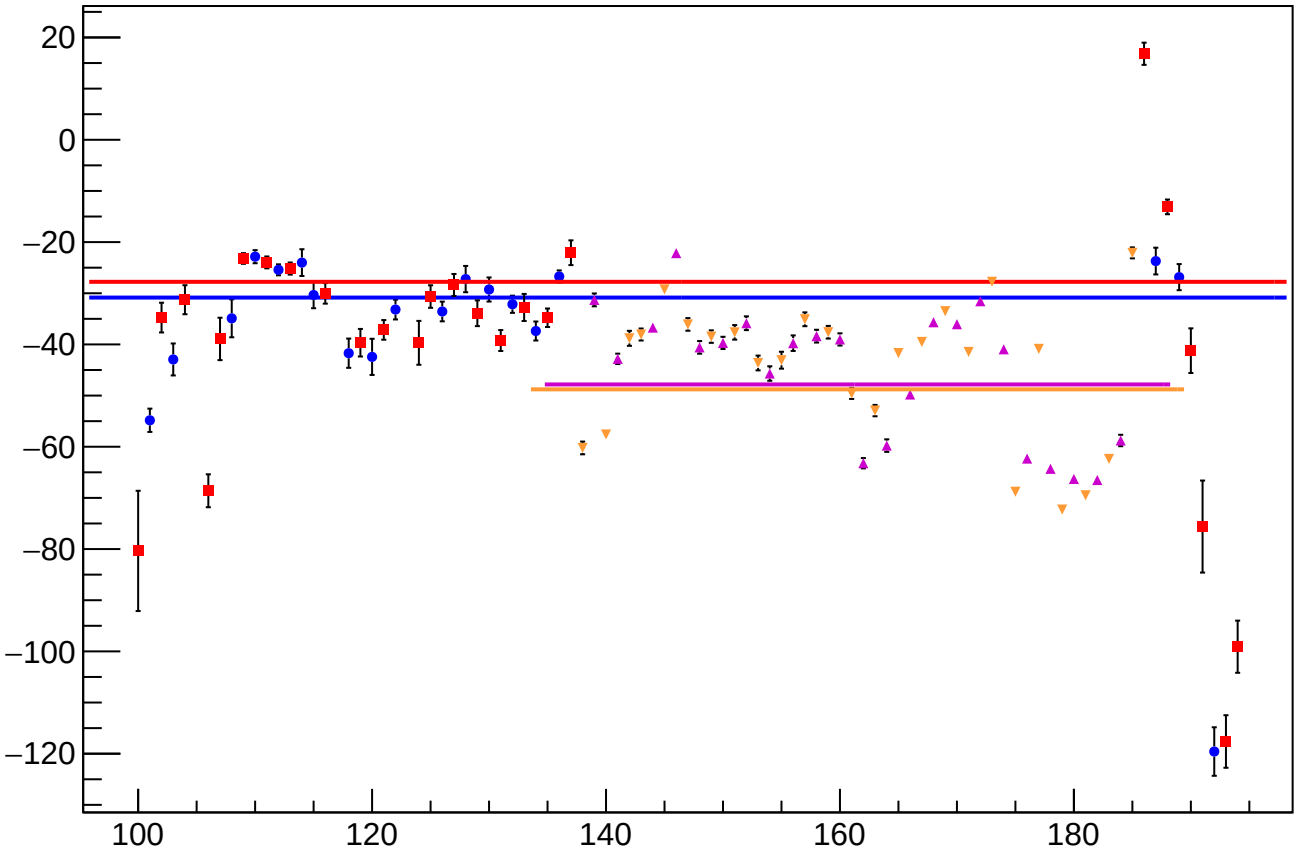
Right: -153.135+/-0.865 χ^2/NDF: 3133.8/43

In: -146.877+/-0.354 χ^2/NDF:3080.8/41

Out: -147.528+/-0.344 χ^2/NDF:3145.4/49

All: -147.211+/-0.247 χ^2/NDF: 6227.9/91


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
Right In: 0.436+/-0.062 χ²/NDF: 201.5/18
Left Out: 1.601+/-0.016 χ²/NDF:581.8/24
Right Out: 0.185+/-0.065 χ²/NDF: 558.1/24
Left In: 1.567+/-0.016 χ²/NDF:735.2/22
Left: 1.585+/-0.011 χ²/NDF: 1319.1/47
Right: 0.316+/-0.045 χ²/NDF: 767.4/43
In: 1.493+/-0.016 χ²/NDF:1248.6/41
Out: 1.520+/-0.016 χ²/NDF:1587.1/49
All: 1.507+/-0.011 χ²/NDF: 2837.2/91



Right In: -30.842+/-0.451 χ^2/NDF: 614.7/18

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -27.763+/-0.416 χ^2/NDF: 1412.0/24

Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

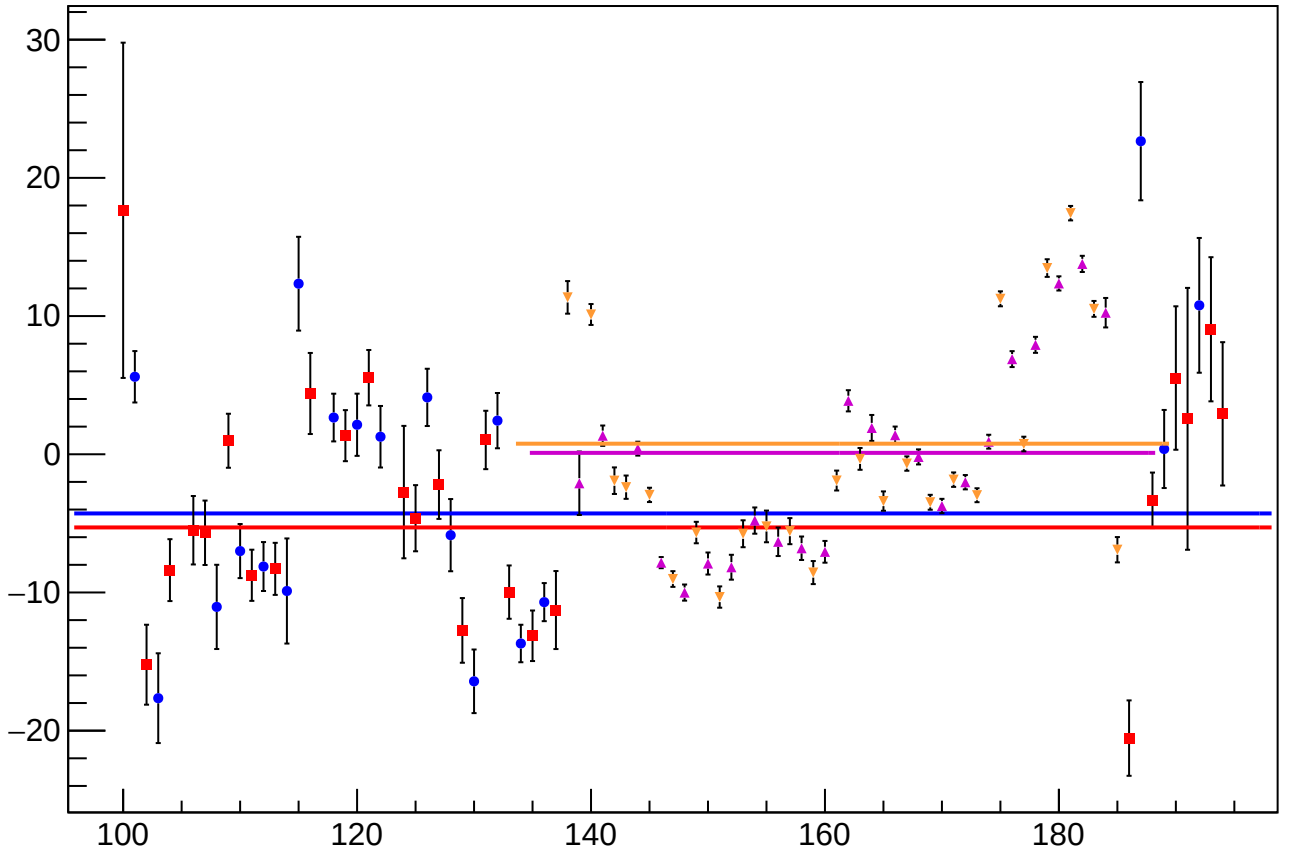
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

Right: -29.180+/-0.306 χ^2/NDF: 2051.8/43

In: -45.711+/-0.159 χ^2/NDF:9078.3/41

Out: -45.879+/-0.155 χ^2/NDF:12561.1/49

All: -45.797+/-0.111 χ^2/NDF: 21640.0/91



Right In: -4.281+/-0.496 χ^2/NDF: 291.1/18

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -5.294+/-0.491 χ^2/NDF: 183.8/24

Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

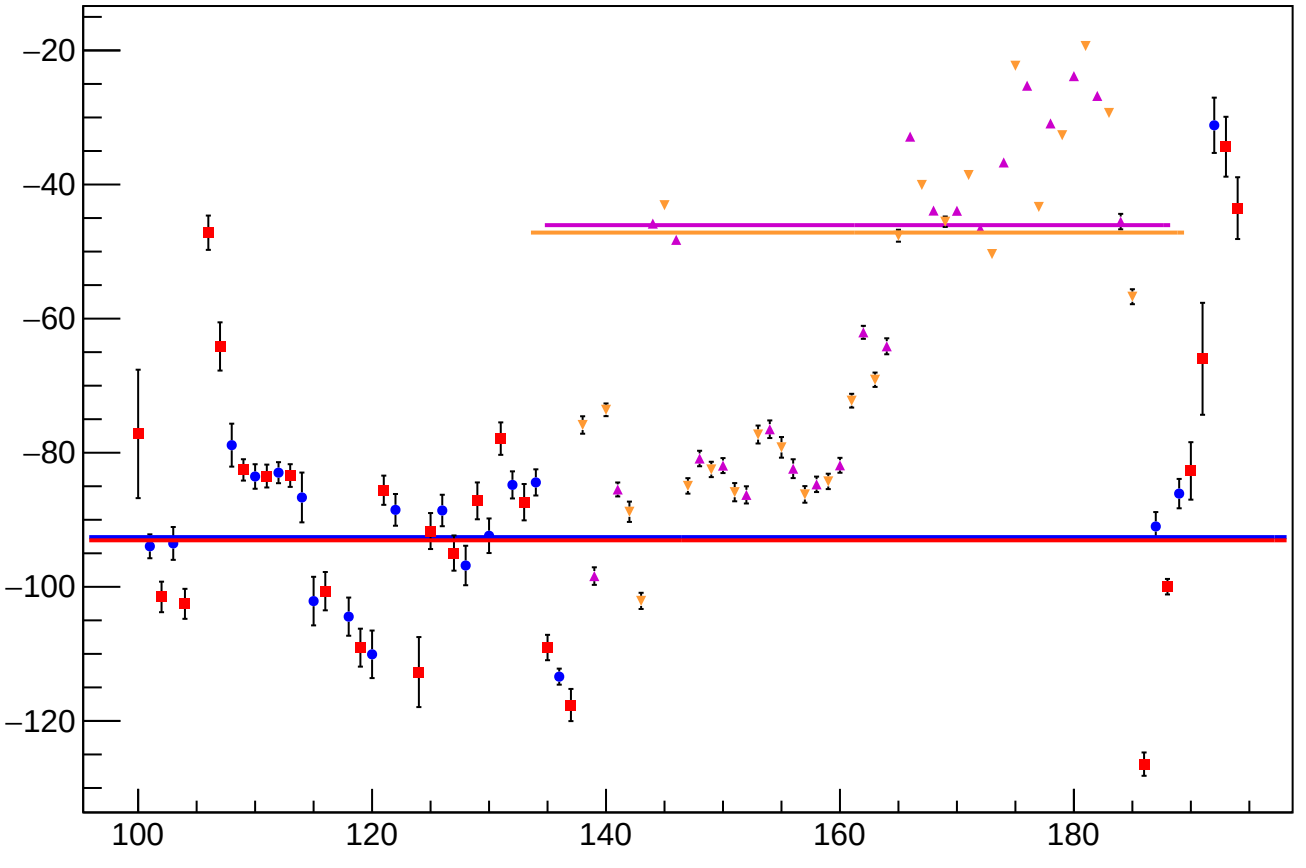
Left: 0.435+/-0.094 χ^2/NDF: 6201.6/47

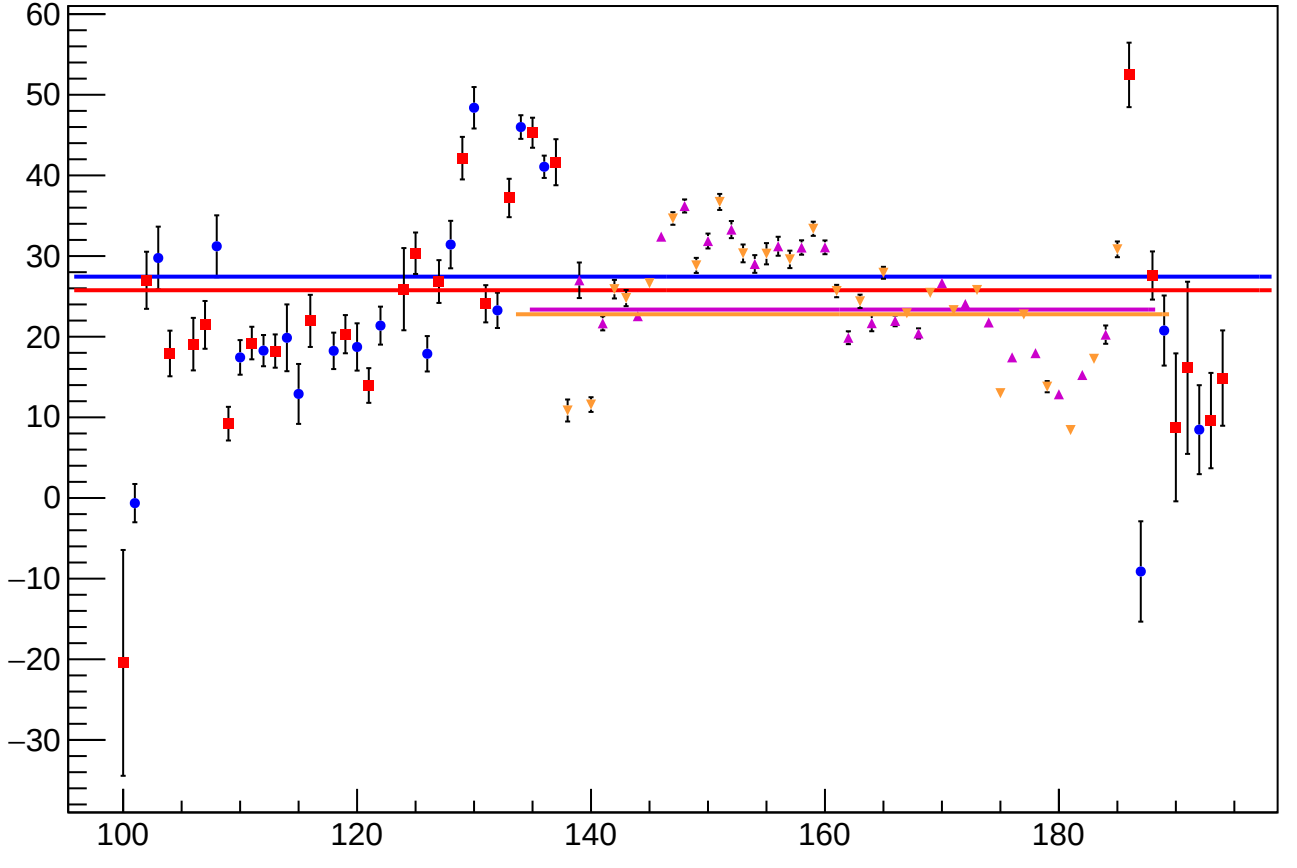
Right: -4.793+/-0.349 χ^2/NDF: 477.0/43

In: -0.193+/-0.128 χ^2/NDF:3085.9/41

Out: 0.355+/-0.128 χ^2/NDF:3793.1/49

All: 0.082+/-0.091 χ^2/NDF: 6888.1/91


reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
100
120
140
160
180
Right In: -92.584+/-0.503 χ²/NDF: 706.1/18
Left Out: -47.167+/-0.168 χ²/NDF:17658.5/24
Right Out: -93.062+/-0.465 χ²/NDF: 1527.1/24
Left In: -46.058+/-0.170 χ²/NDF:14769.8/22
Left: -46.621+/-0.119 χ²/NDF: 32449.9/47
Right: -92.842+/-0.341 χ²/NDF: 2233.8/43
In: -50.835+/-0.161 χ²/NDF:23151.3/41
Out: -52.450+/-0.158 χ²/NDF:27822.2/49
All: -51.660+/-0.113 χ²/NDF: 51024.9/91



Right In: 27.446+/-0.559 χ^2/NDF: 633.0/18

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.761+/-0.566 χ^2/NDF: 415.0/24

Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

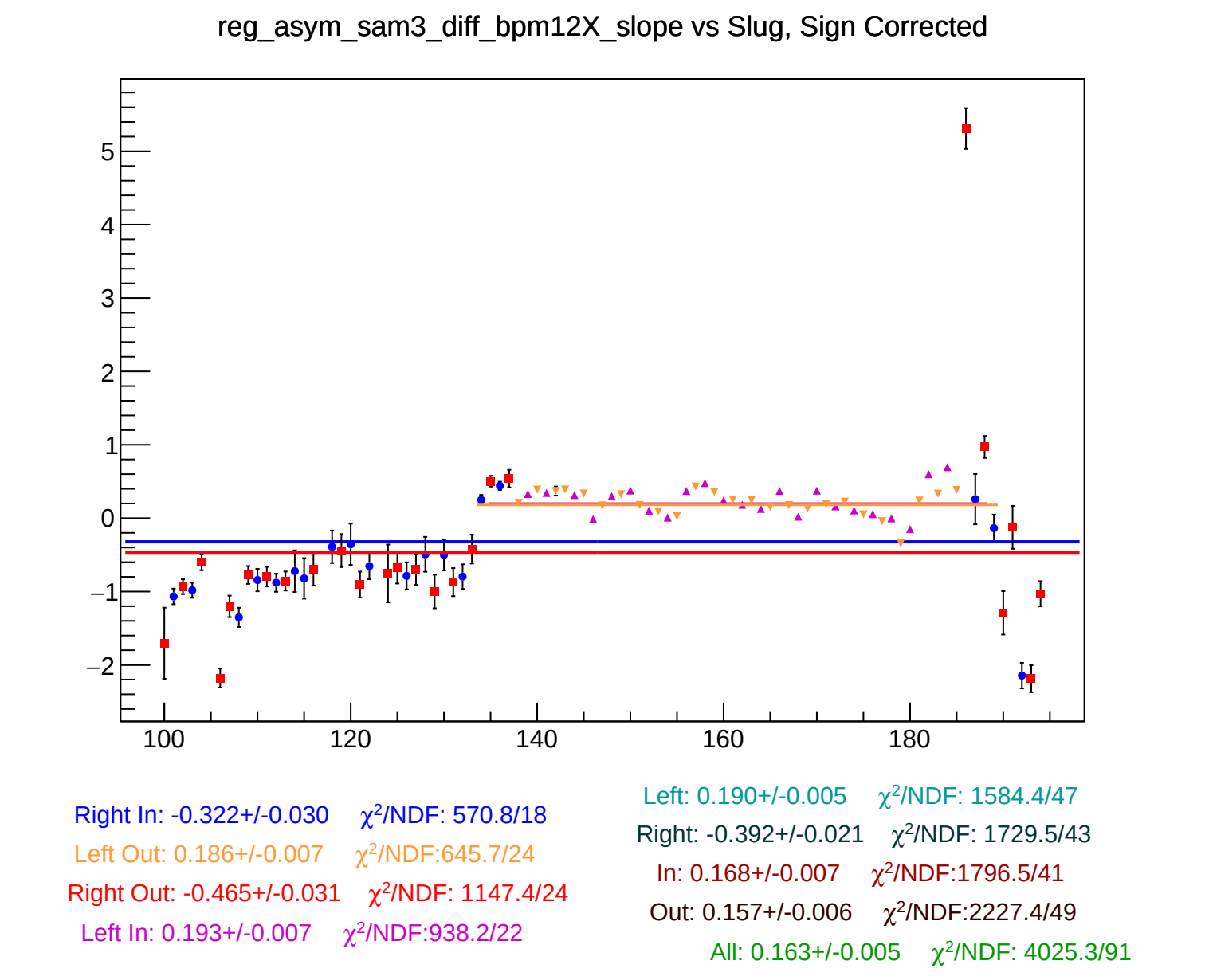
Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

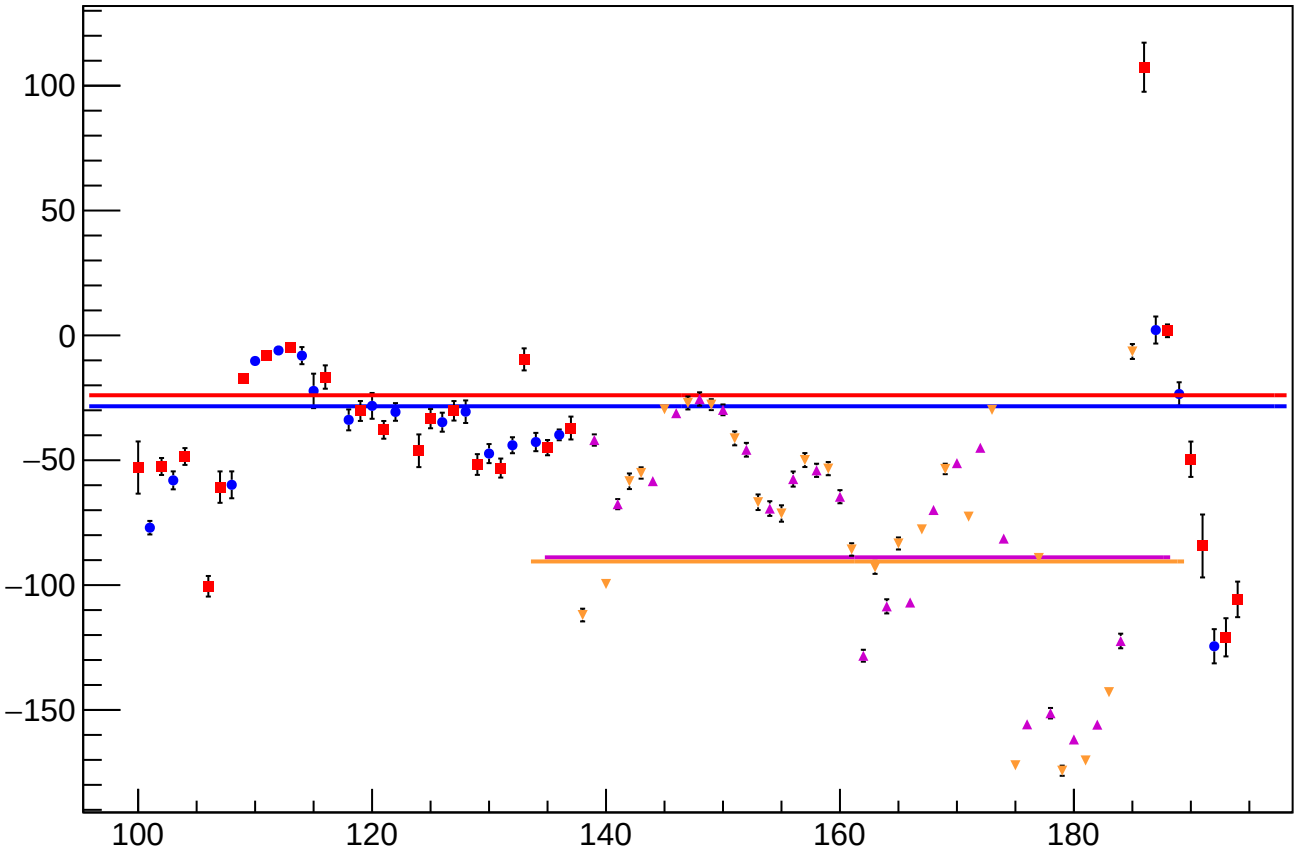
Right: 26.614+/-0.398 χ^2/NDF: 1052.5/43

In: 23.636+/-0.144 χ^2/NDF:2468.2/41

Out: 22.971+/-0.143 χ^2/NDF:2853.9/49

All: 23.301+/-0.101 χ^2/NDF: 5332.8/91


reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
−2
100
120
140
160
180
Right In: -0.322+/-0.030 χ²/NDF: 570.8/18
Left Out: 0.186+/-0.007 χ²/NDF:645.7/24
Right Out: -0.465+/-0.031 χ²/NDF: 1147.4/24
Left In: 0.193+/-0.007 χ²/NDF:938.2/22
Left: 0.190+/-0.005 χ²/NDF: 1584.4/47
Right: -0.392+/-0.021 χ²/NDF: 1729.5/43
In: 0.168+/-0.007 χ²/NDF:1796.5/41
Out: 0.157+/-0.006 χ²/NDF:2227.4/49
All: 0.163+/-0.005 χ²/NDF: 4025.3/91



Right In: -28.384+/-0.709 χ^2/NDF: 1124.8/18

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -23.973+/-0.632 χ^2/NDF: 1599.7/24

Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

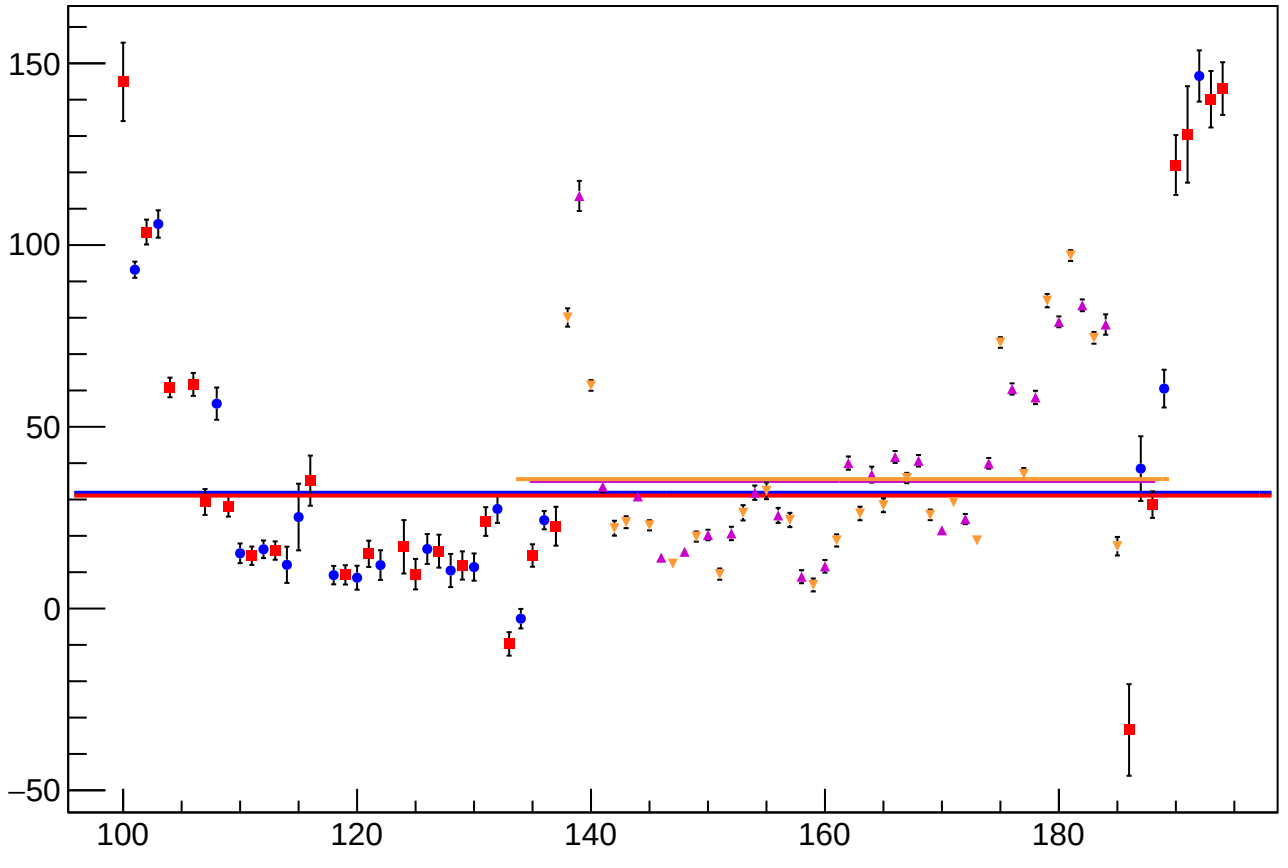
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -25.927+/-0.472 χ^2/NDF: 2746.1/43

In: -72.367+/-0.370 χ^2/NDF:18234.9/41

Out: -70.061+/-0.351 χ^2/NDF:24636.4/49

All: -71.150+/-0.255 χ^2/NDF: 42891.7/91



Right In: 31.849+/-0.789 χ^2/NDF: 1969.8/18

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 31.074+/-0.764 χ^2/NDF: 1843.6/24

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

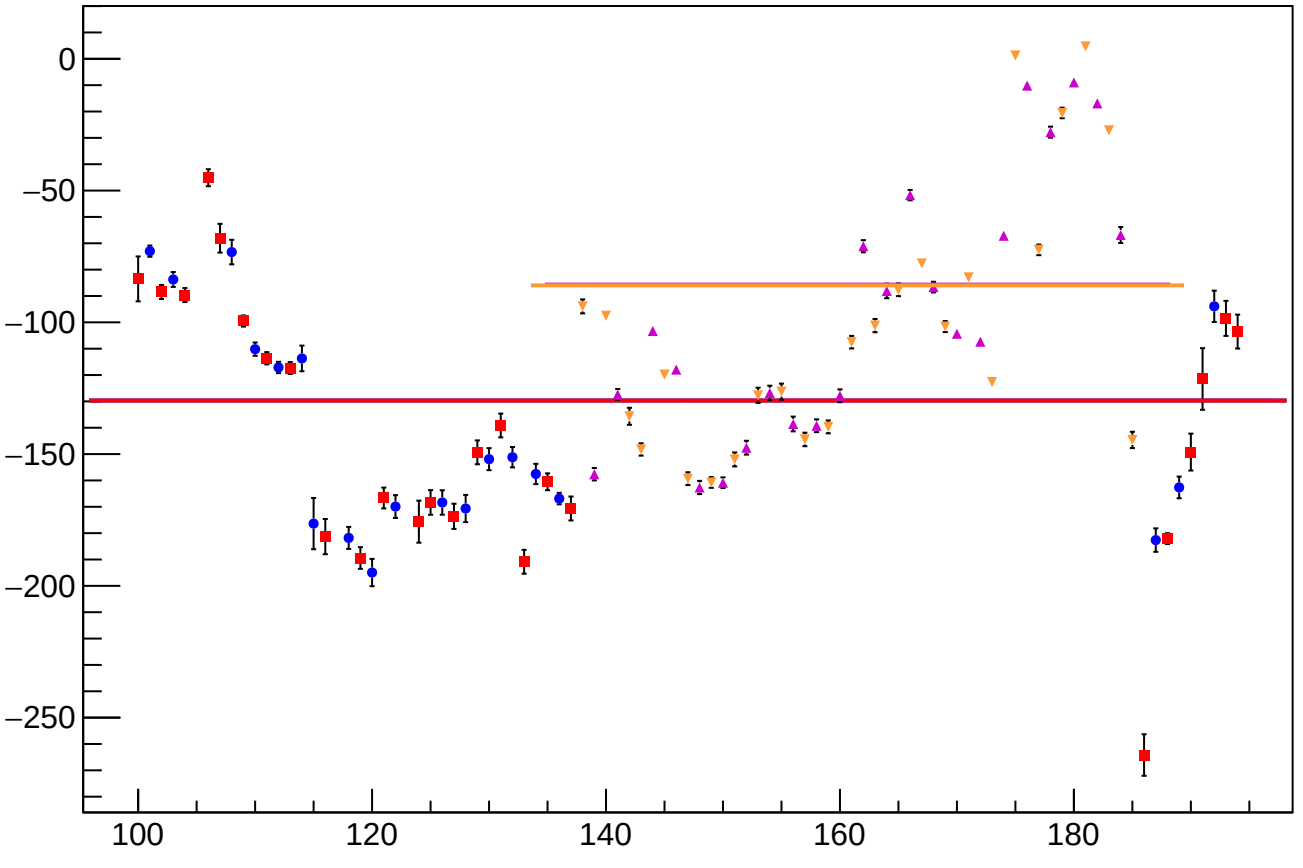
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 31.449+/-0.549 χ^2/NDF: 3813.9/43

In: 34.610+/-0.309 χ^2/NDF:6128.7/41

Out: 34.914+/-0.300 χ^2/NDF:7846.5/49

All: 34.767+/-0.215 χ^2/NDF: 13975.6/91



Right In: -129.674+/-0.793 χ^2/NDF: 2428.8/18

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -129.669+/-0.726 χ^2/NDF: 3496.7/24

Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

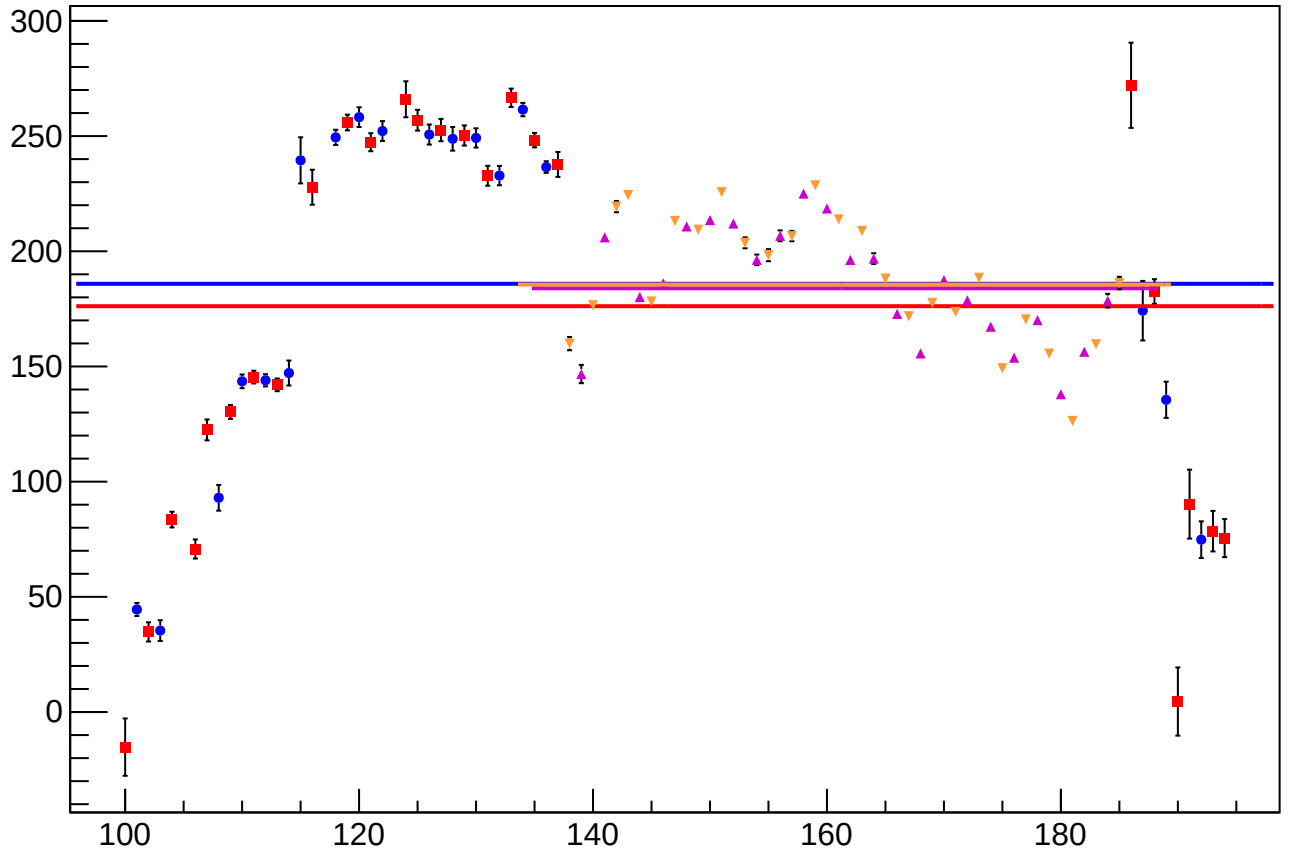
Left: -85.841+/-0.302 χ^2/NDF: 29991.4/47

Right: -129.671+/-0.535 χ^2/NDF: 5925.5/43

In: -95.791+/-0.380 χ^2/NDF:18558.5/41

Out: -96.958+/-0.364 χ^2/NDF:22441.2/49

All: -96.399+/-0.263 χ^2/NDF: 41004.6/91



Right In: 185.885+/-0.904 χ^2/NDF: 7360.8/18

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 176.165+/-0.881 χ^2/NDF: 7145.9/24

Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

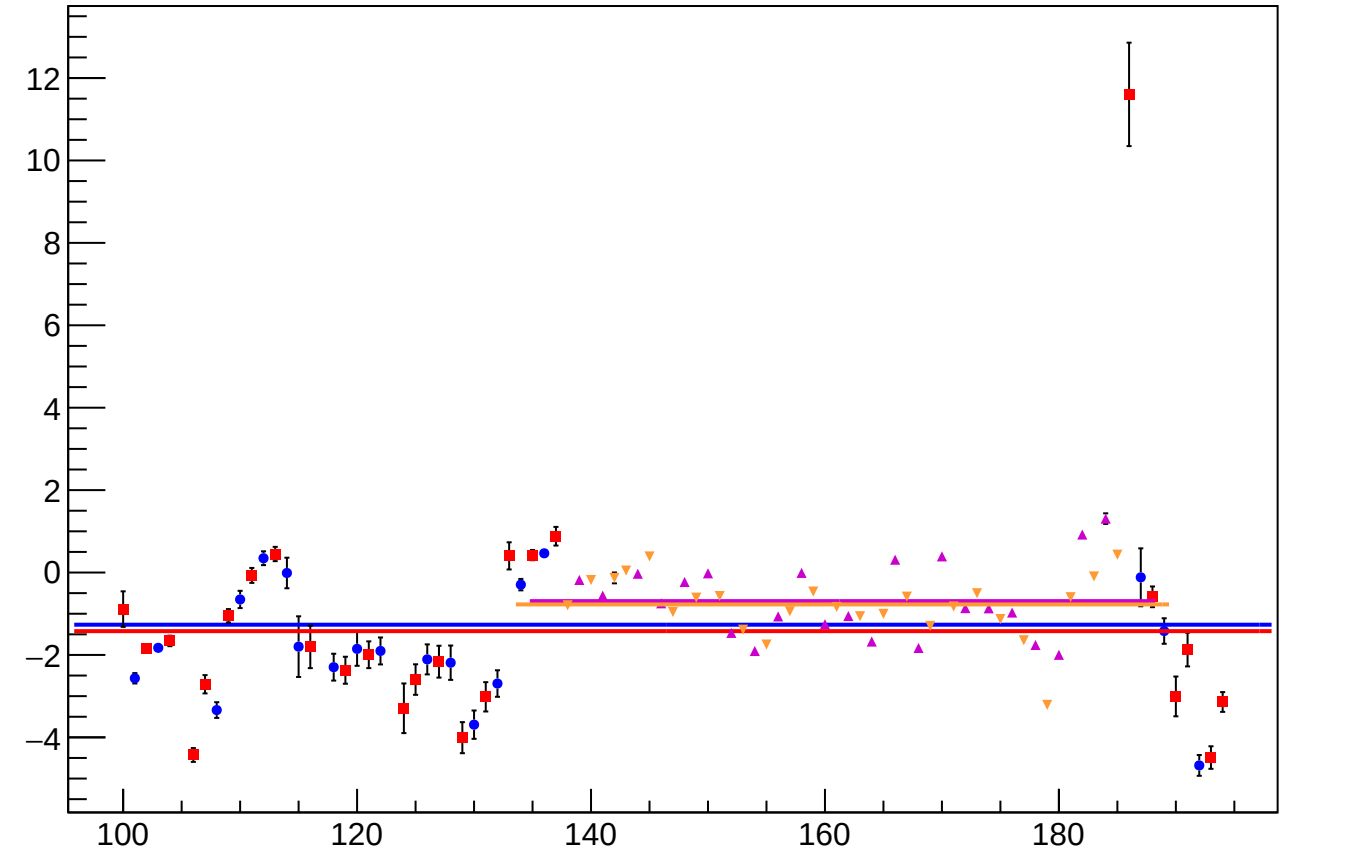
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 180.903+/-0.631 χ^2/NDF: 14566.1/43

In: 184.229+/-0.348 χ^2/NDF:11238.3/41

Out: 184.193+/-0.339 χ^2/NDF:12598.0/49

All: 184.211+/-0.243 χ^2/NDF: 23836.3/91



Right In: -1.266+/-0.047 χ^2/NDF: 980.2/18

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.422+/-0.045 χ^2/NDF: 1313.7/24

Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

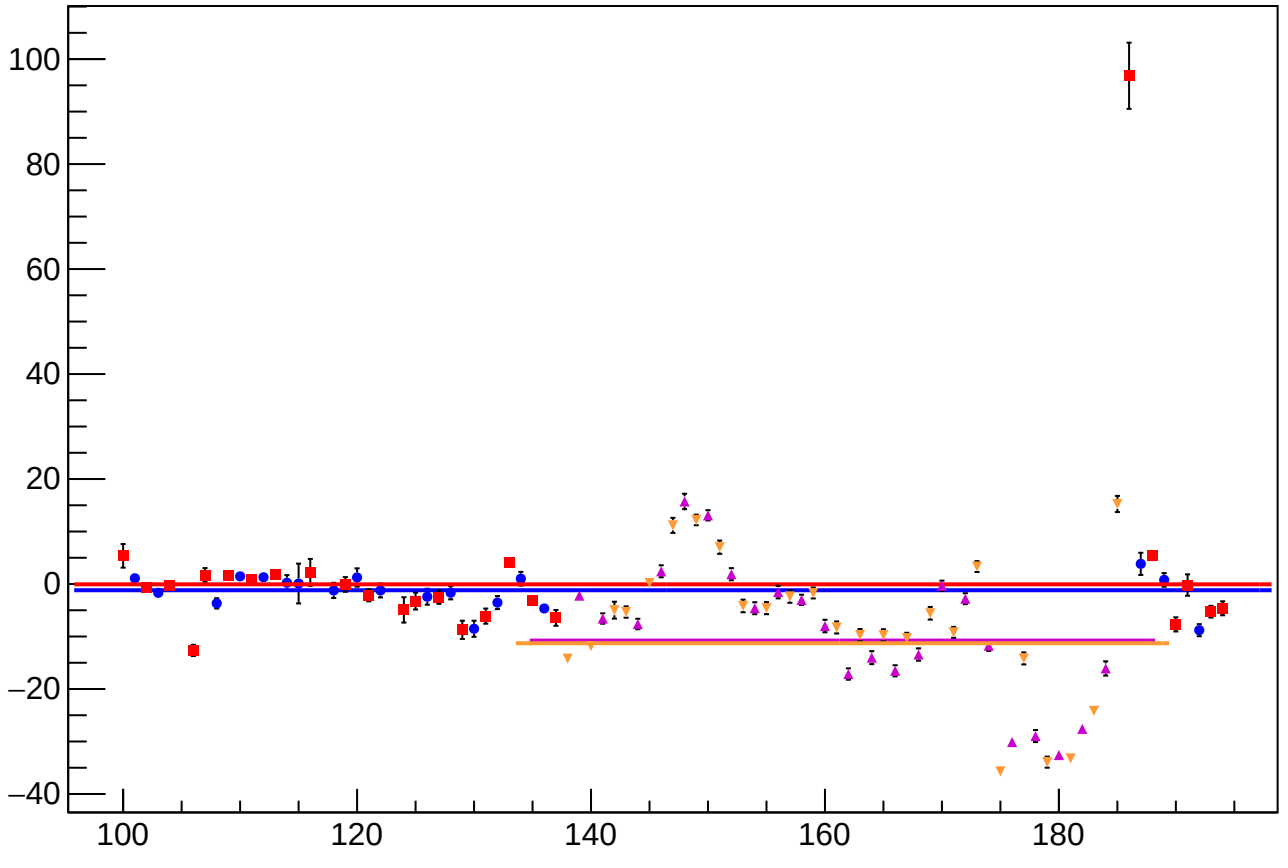
Left: -0.735+/-0.012 χ^2/NDF: 4399.9/47

Right: -1.347+/-0.032 χ^2/NDF: 2299.8/43

In: -0.760+/-0.016 χ^2/NDF:3679.5/41

Out: -0.851+/-0.015 χ^2/NDF:3322.4/49

All: -0.807+/-0.011 χ^2/NDF: 7019.1/91



Right In: -1.187+/-0.241 χ^2/NDF: 155.7/18

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.059+/-0.201 χ^2/NDF: 665.2/24

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

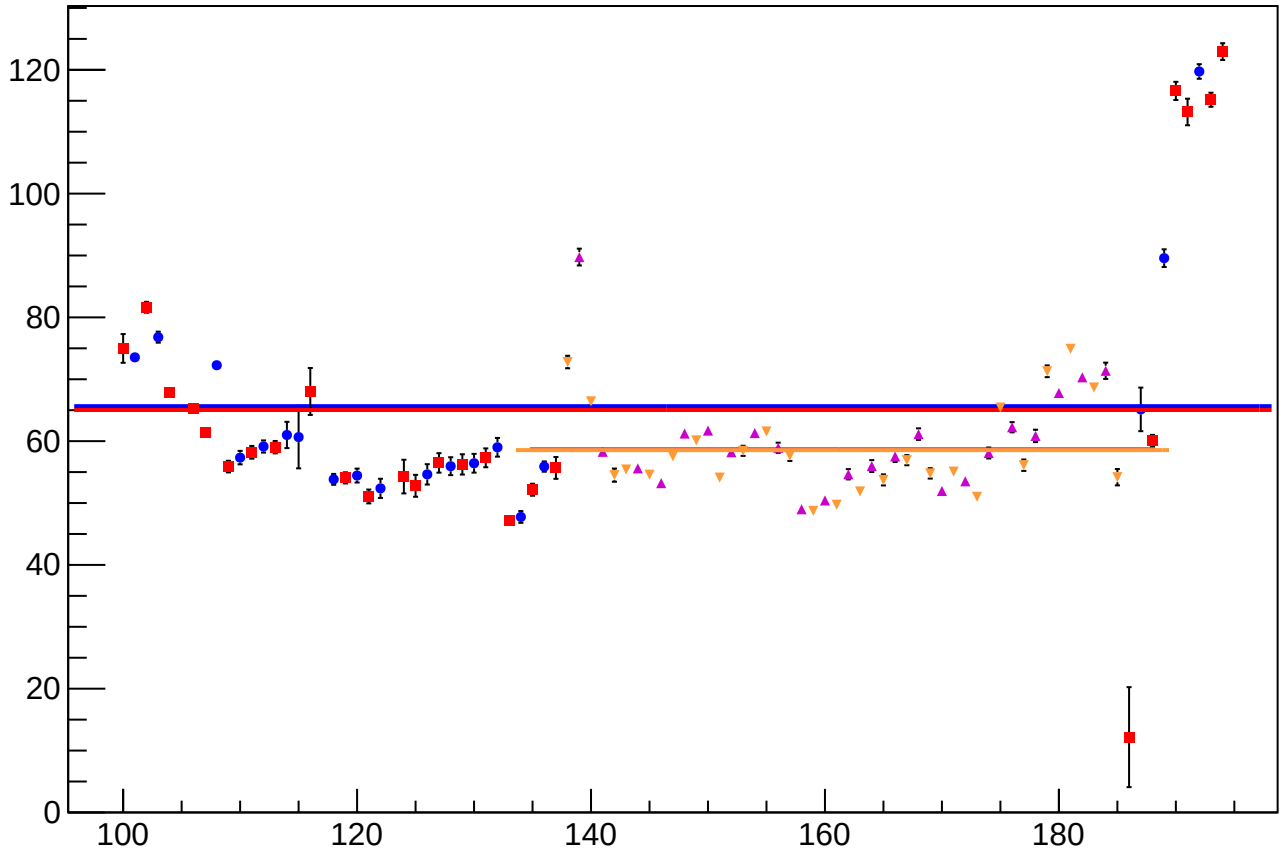
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -0.521+/-0.154 χ^2/NDF: 833.8/43

In: -6.569+/-0.160 χ^2/NDF:4741.0/41

Out: -5.476+/-0.144 χ^2/NDF:6672.4/49

All: -5.968+/-0.107 χ^2/NDF: 11439.2/91



Right In: 65.652+/-0.254 χ^2/NDF: 3862.3/18

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 65.033+/-0.224 χ^2/NDF: 7562.9/24

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

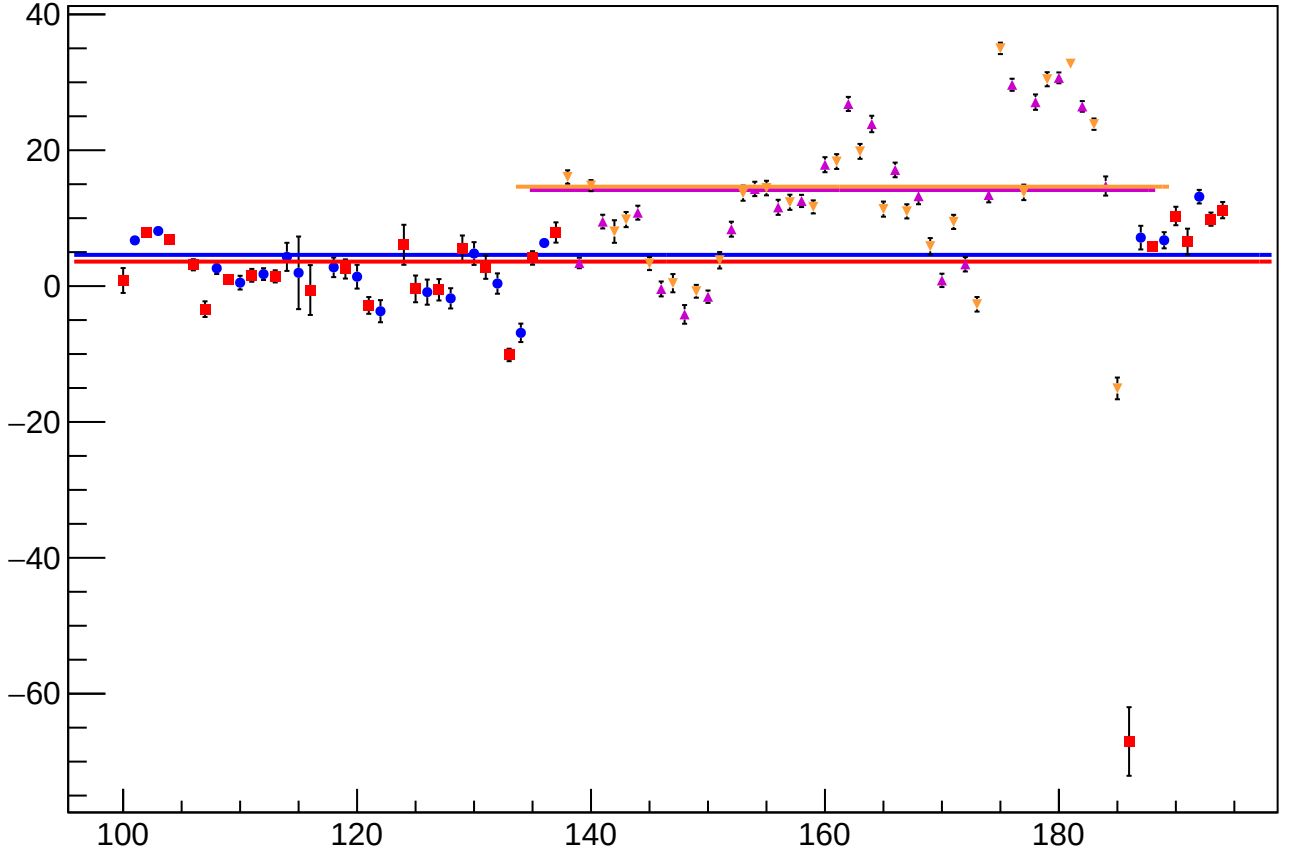
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 65.303+/-0.168 χ^2/NDF: 11428.5/43

In: 60.806+/-0.140 χ^2/NDF:5999.0/41

Out: 60.766+/-0.131 χ^2/NDF:10018.4/49

All: 60.785+/-0.096 χ^2/NDF: 16017.5/91



Right In: 4.597+/-0.248 χ^2/NDF: 295.8/18

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 3.606+/-0.208 χ^2/NDF: 724.4/24

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

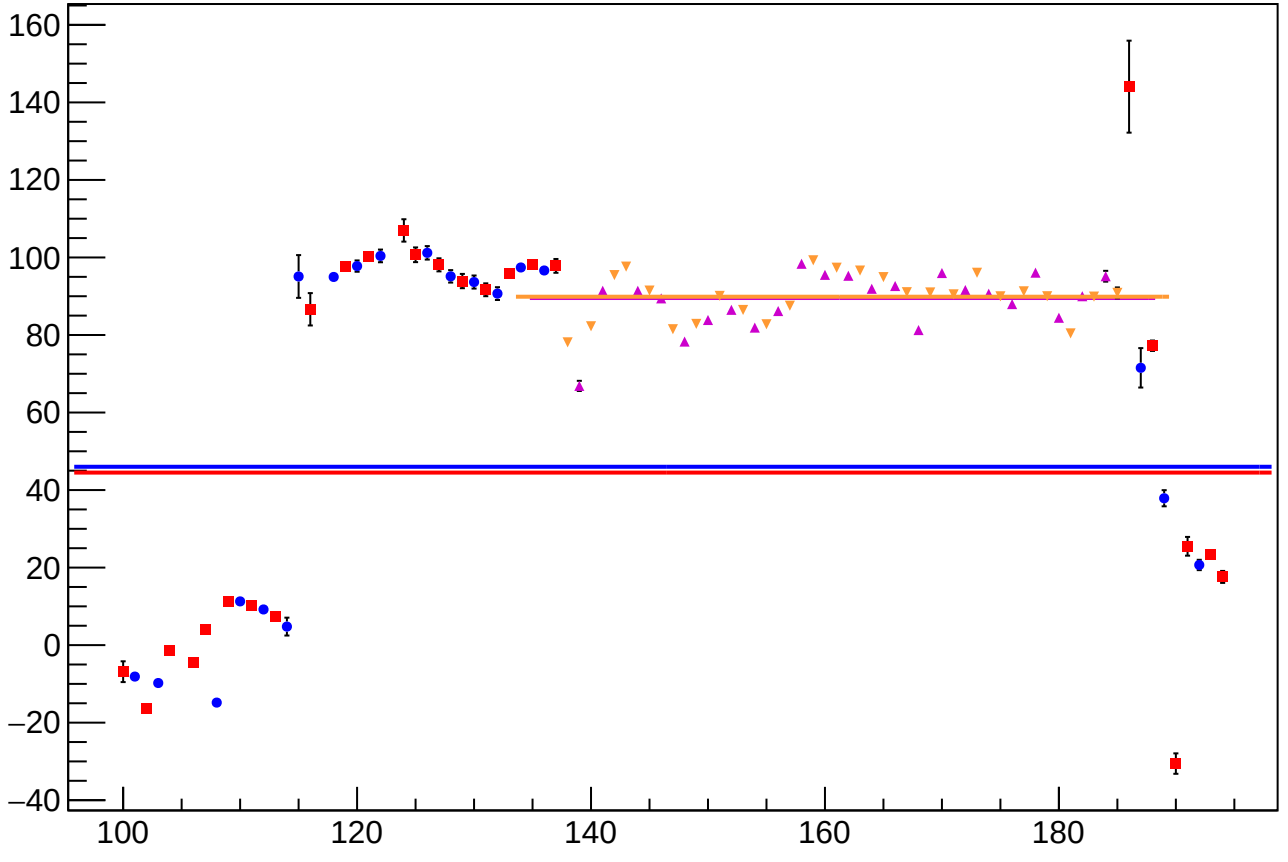
Right: 4.016+/-0.160 χ^2/NDF: 1029.5/43

In: 10.132+/-0.161 χ^2/NDF:3695.7/41

Out: 9.163+/-0.147 χ^2/NDF:5098.8/49

All: 9.603+/-0.108 χ^2/NDF: 8814.3/91

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 46.009+/-0.297 χ^2/NDF: 27309.4/18

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 44.506+/-0.265 χ^2/NDF: 31037.9/24

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

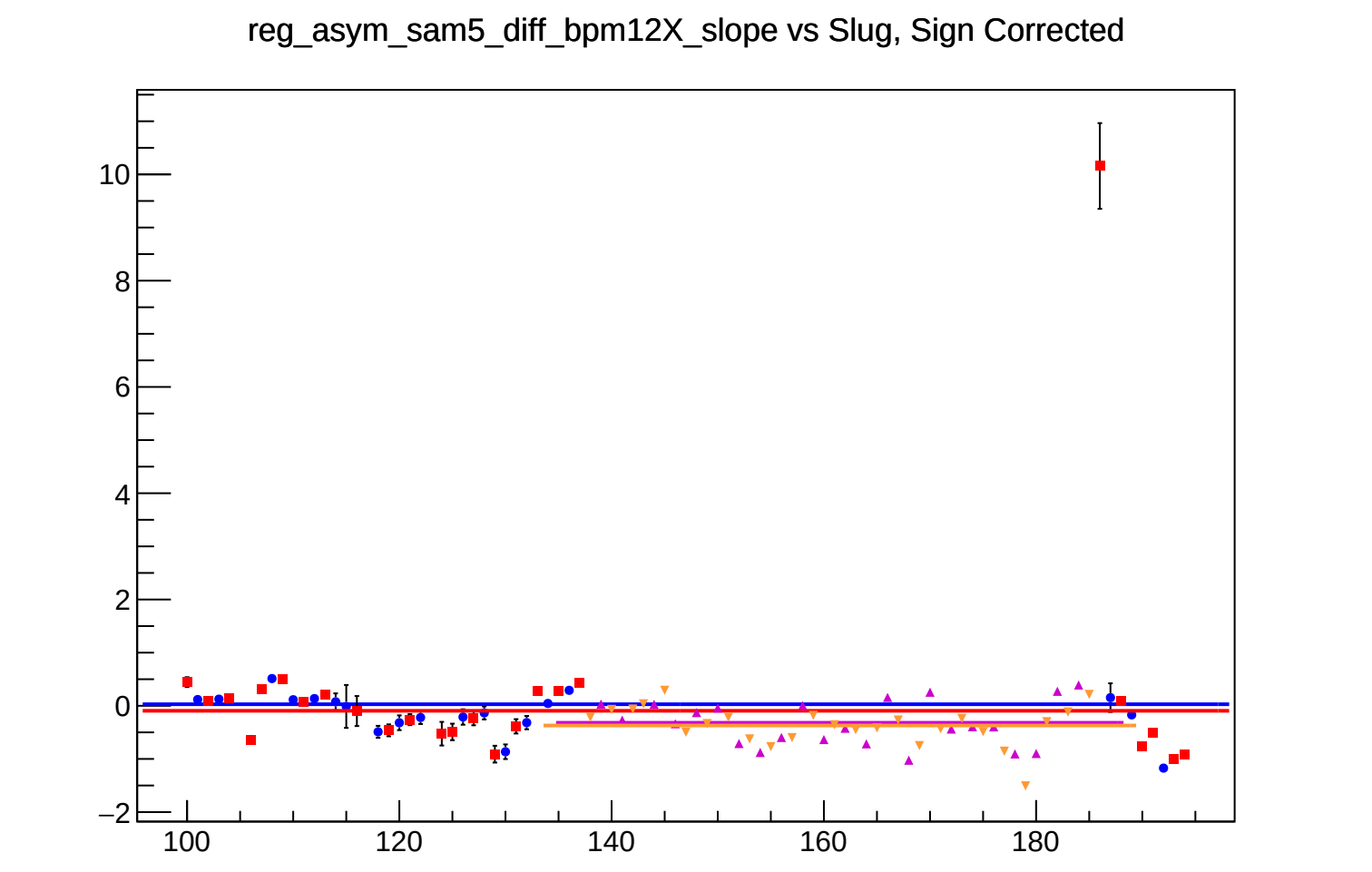
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

Right: 45.173+/-0.198 χ^2/NDF: 58361.6/43

In: 77.107+/-0.159 χ^2/NDF:43795.7/41

Out: 75.425+/-0.149 χ^2/NDF:52109.5/49

All: 76.217+/-0.109 χ^2/NDF: 95964.8/91



Right In: 0.029+/-0.013 χ^2/NDF: 1189.2/18

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.094+/-0.012 χ^2/NDF: 1880.9/24

Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

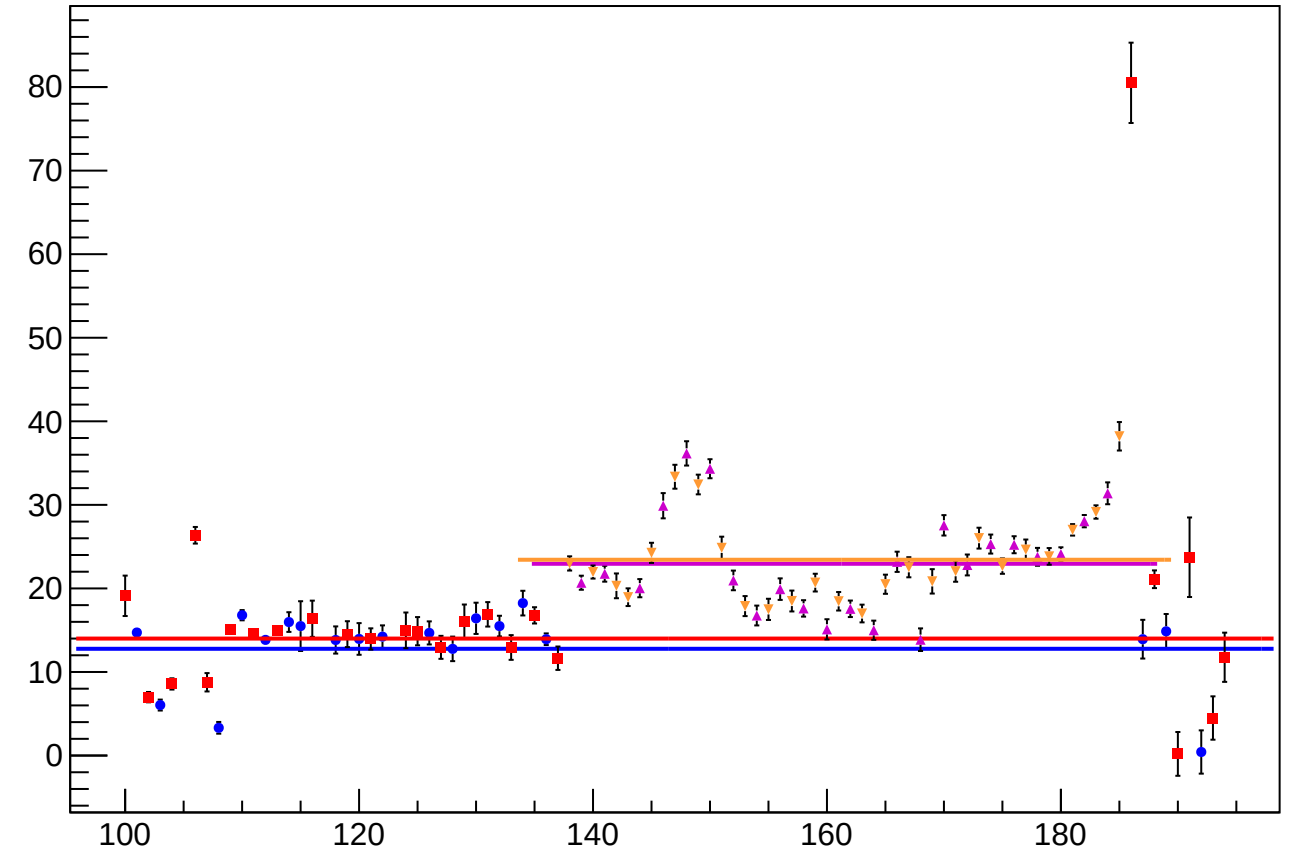
Left: -0.345+/-0.006 χ^2/NDF: 4230.8/47

Right: -0.040+/-0.009 χ^2/NDF: 3119.2/43

In: -0.224+/-0.007 χ^2/NDF:4139.0/41

Out: -0.282+/-0.007 χ^2/NDF:4030.4/49

All: -0.254+/-0.005 χ^2/NDF: 8206.8/91



Right In: 12.775+/-0.211 χ^2/NDF: 412.1/18

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.998+/-0.198 χ^2/NDF: 687.8/24

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

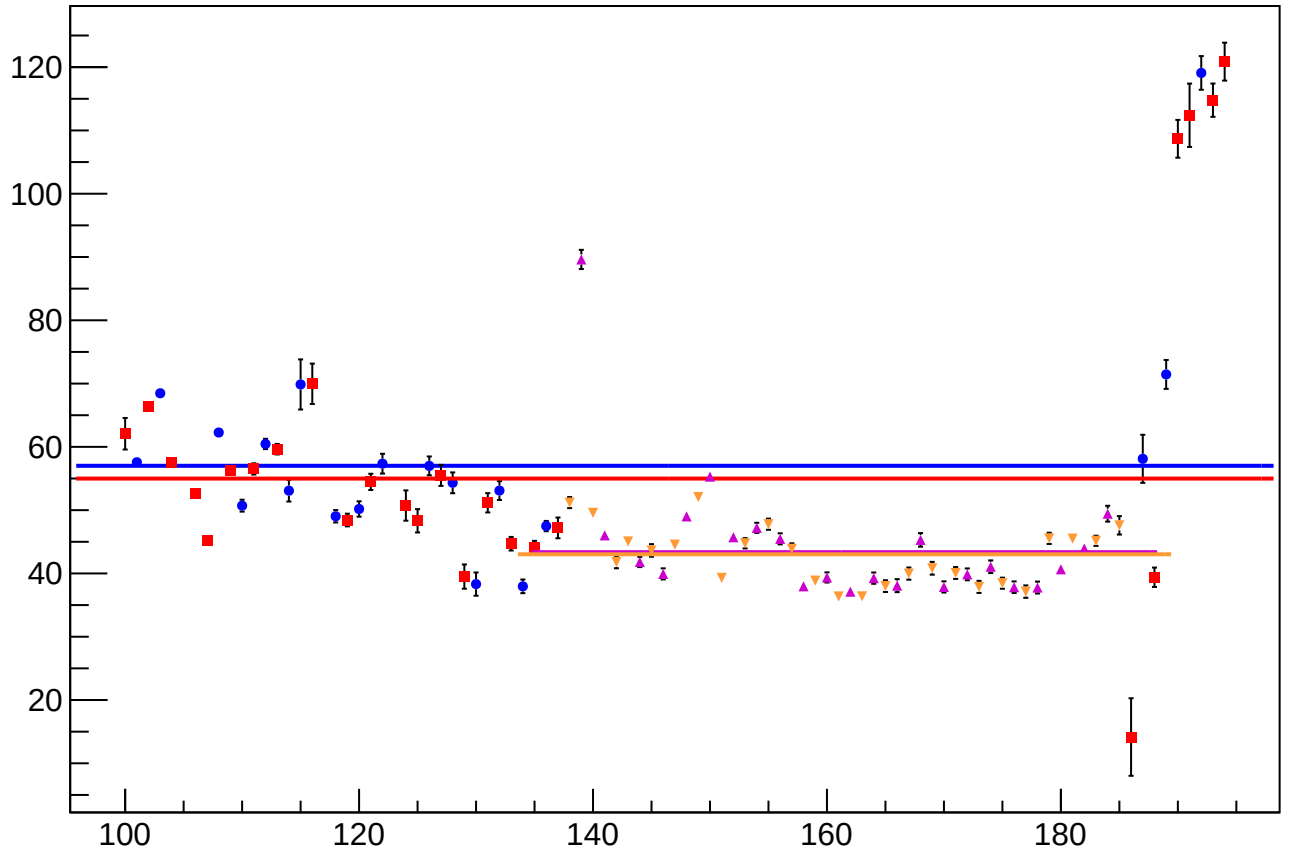
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

Right: 13.425+/-0.145 χ^2/NDF: 1117.6/43

In: 17.535+/-0.154 χ^2/NDF:2061.8/41

Out: 18.319+/-0.146 χ^2/NDF:2150.5/49

All: 17.948+/-0.106 χ^2/NDF: 4226.0/91



Right In: 57.009+/-0.220 χ^2/NDF: 1678.8/18

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 54.990+/-0.220 χ^2/NDF: 2622.2/24

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

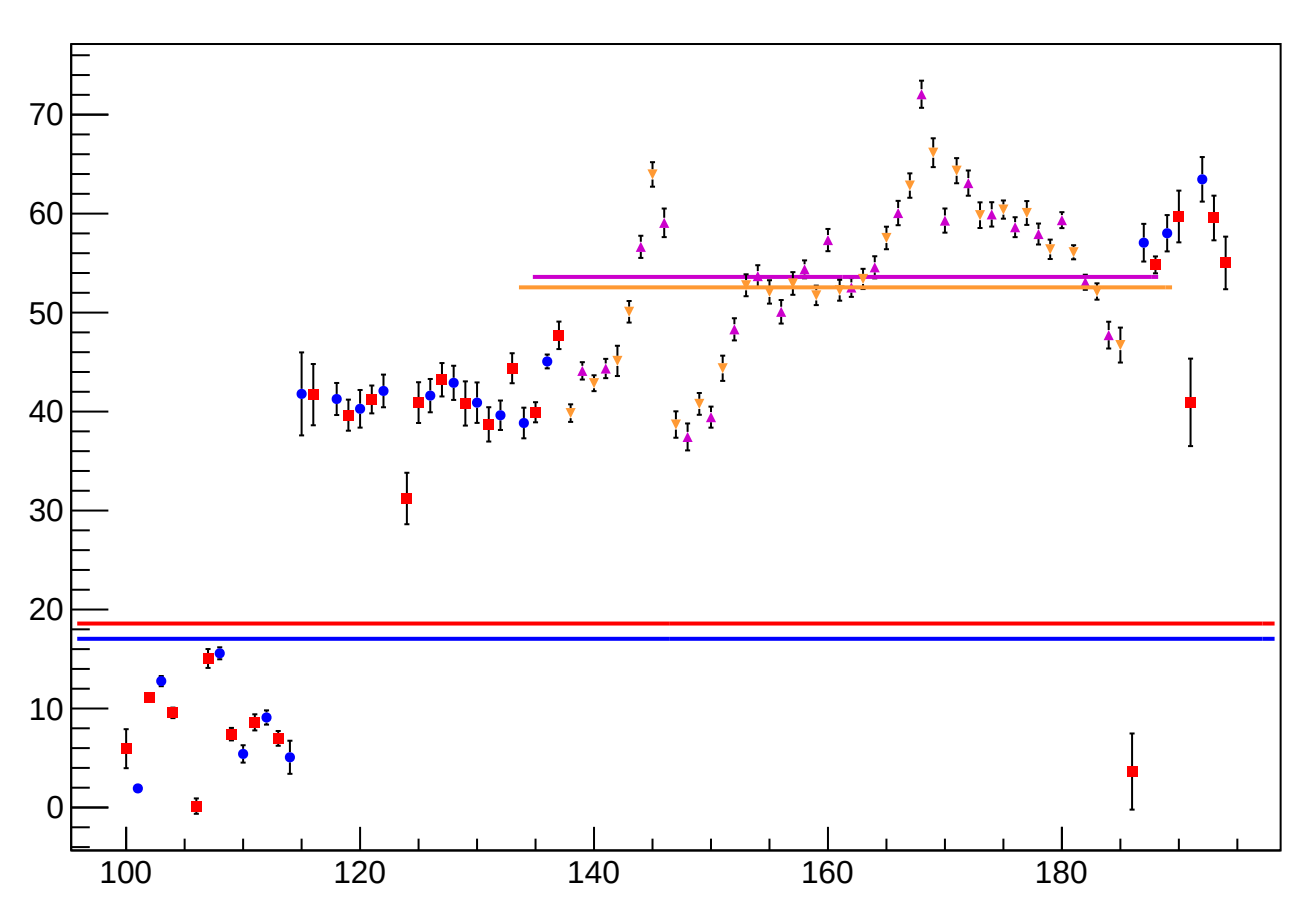
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 56.000+/-0.155 χ^2/NDF: 4343.3/43

In: 48.736+/-0.138 χ^2/NDF:5702.2/41

Out: 47.416+/-0.133 χ^2/NDF:5277.9/49

All: 48.053+/-0.096 χ^2/NDF: 11027.5/91



Right In: 17.043+/-0.210 χ^2/NDF: 6589.2/18

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 18.585+/-0.209 χ^2/NDF: 6706.3/24

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

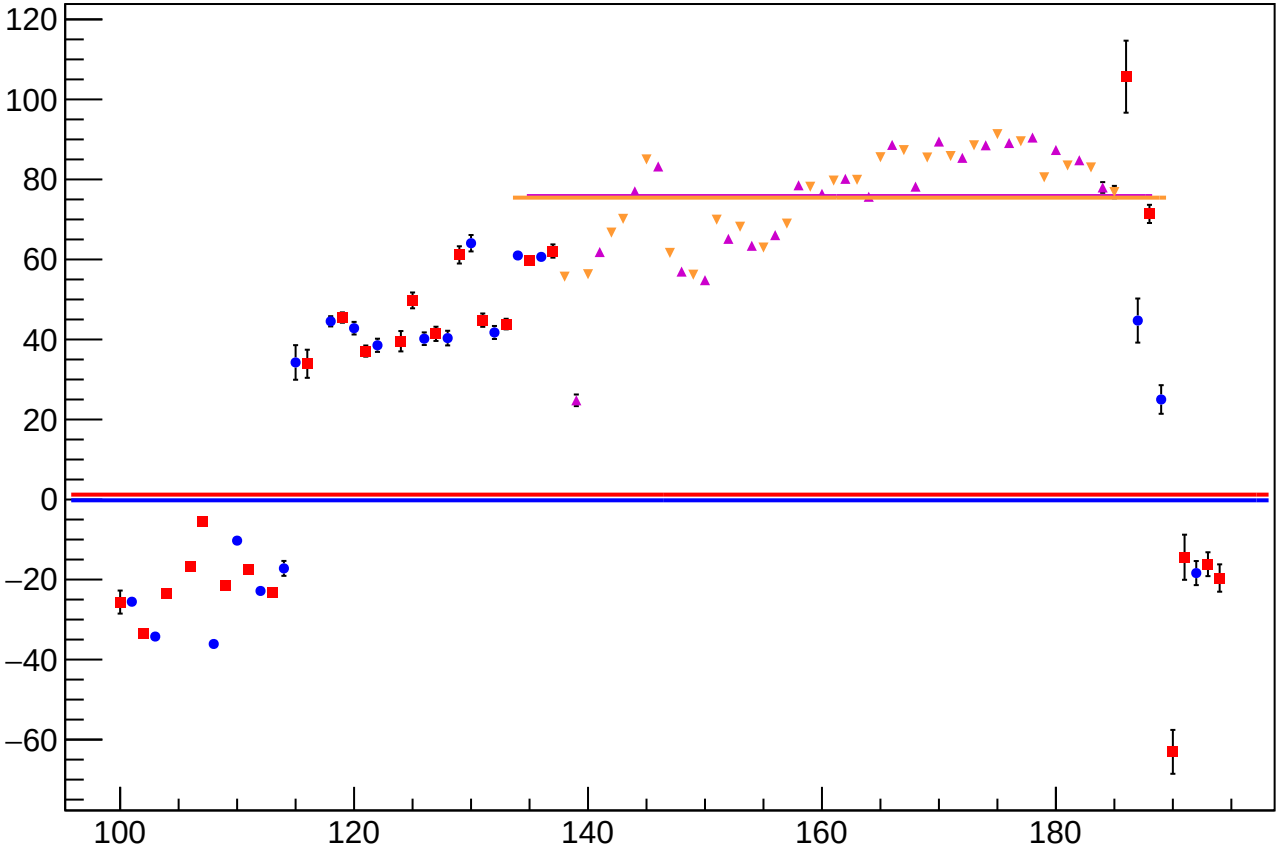
Right: 17.817+/-0.148 χ^2/NDF: 13322.5/43

In: 34.263+/-0.153 χ^2/NDF:21838.9/41

Out: 35.155+/-0.150 χ^2/NDF:20723.3/49

All: 34.718+/-0.107 χ^2/NDF: 42579.6/91

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.197+/-0.259 χ^2/NDF: 21183.6/18

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 1.225+/-0.259 χ^2/NDF: 17338.5/24

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

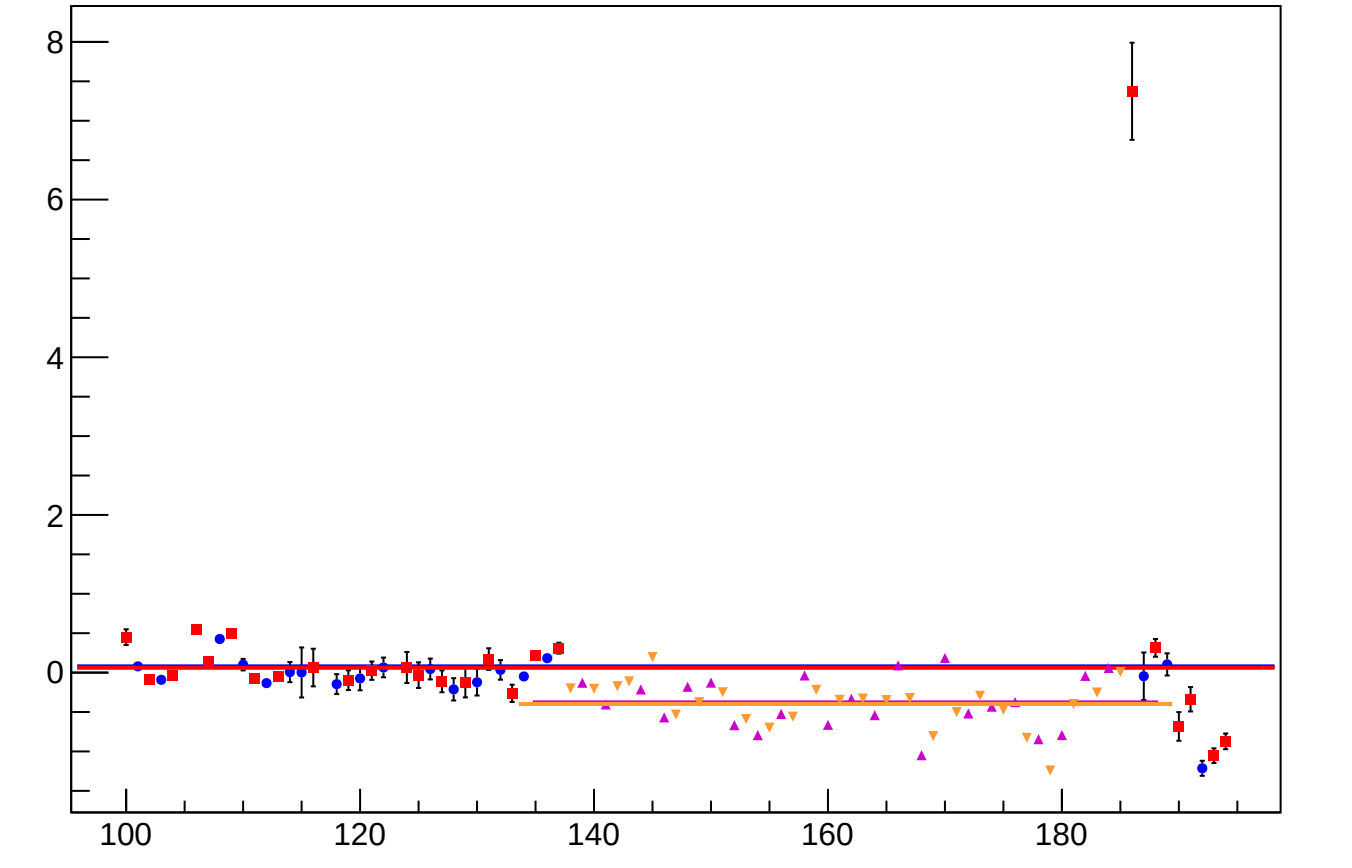
Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

Right: 0.514+/-0.183 χ^2/NDF: 38537.1/43

In: 47.989+/-0.157 χ^2/NDF:79885.6/41

Out: 49.829+/-0.152 χ^2/NDF:74412.9/49

All: 48.936+/-0.109 χ^2/NDF: 154369.2/91



Right In: 0.079+/-0.011 χ^2/NDF: 486.2/18

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: 0.062+/-0.011 χ^2/NDF: 808.1/24

Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

Left: -0.388+/-0.006 χ^2/NDF: 2386.0/47

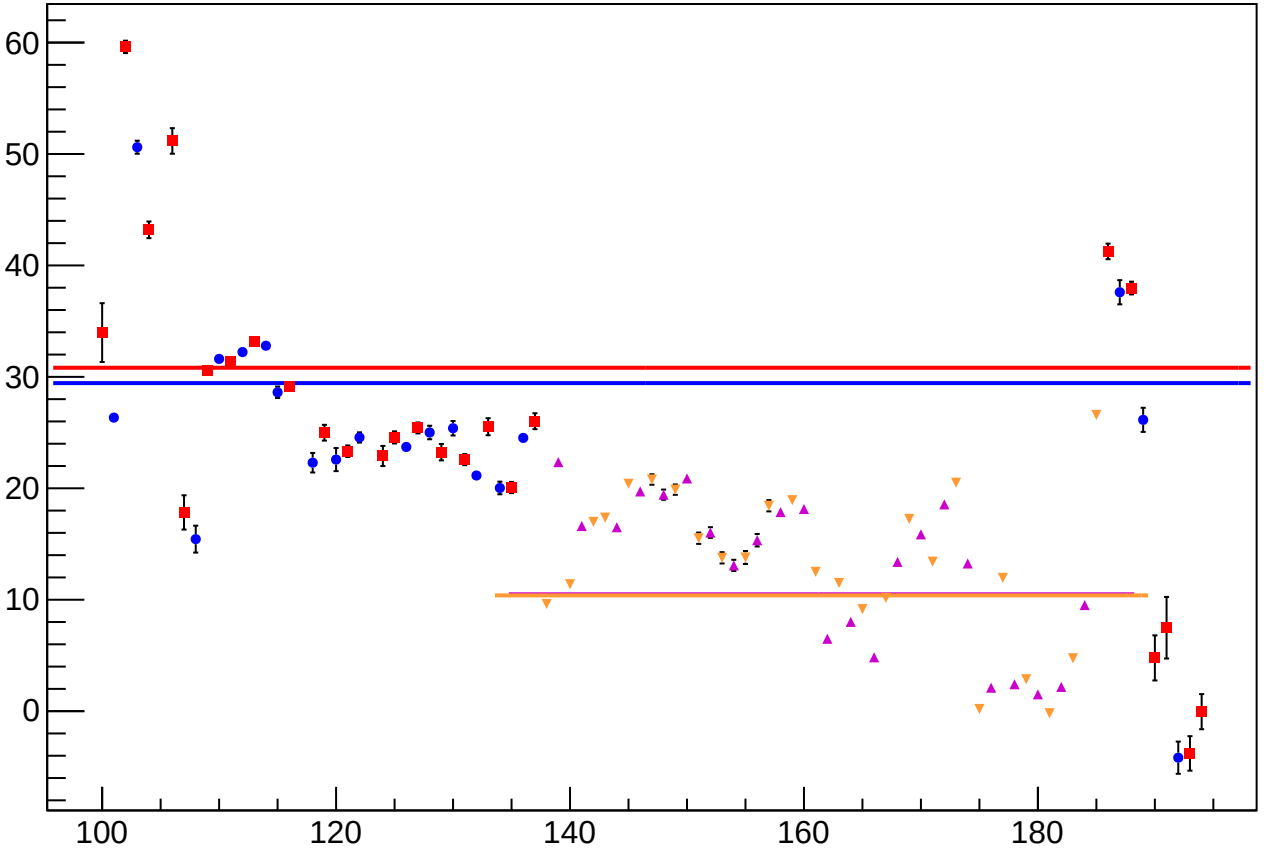
Right: 0.070+/-0.008 χ^2/NDF: 1295.5/43

In: -0.206+/-0.007 χ^2/NDF:2895.8/41

Out: -0.231+/-0.007 χ^2/NDF:2925.5/49

All: -0.219+/-0.005 χ^2/NDF: 5827.9/91

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.440+/-0.091 χ^2/NDF: 3980.3/18

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.818+/-0.079 χ^2/NDF: 6579.3/24

Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

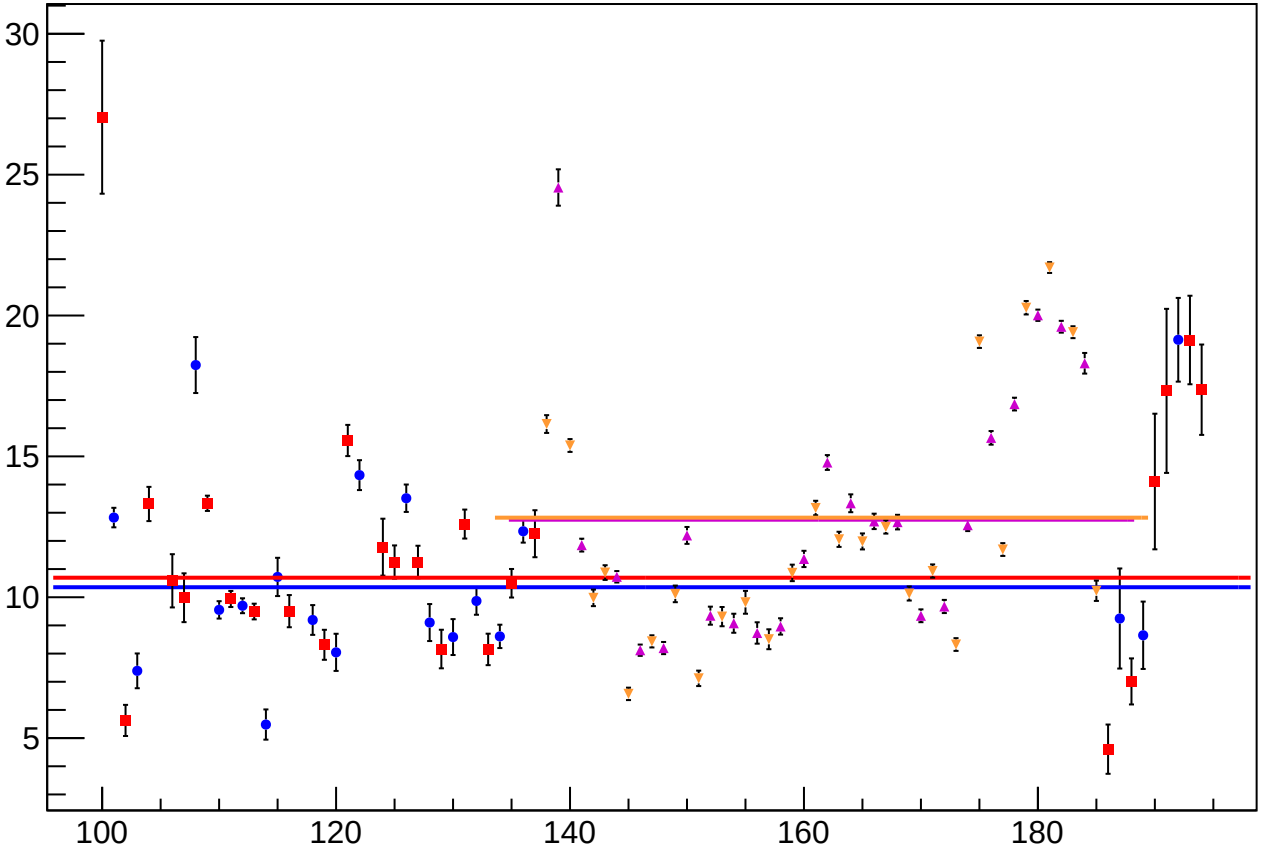
Right: 30.231+/-0.060 χ^2/NDF: 10690.7/43

In: 17.111+/-0.054 χ^2/NDF:43622.6/41

Out: 18.557+/-0.050 χ^2/NDF:60943.6/49

All: 17.892+/-0.037 χ^2/NDF: 104955.1/91

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.355+/-0.113 χ^2/NDF: 440.1/18

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.693+/-0.110 χ^2/NDF: 538.3/24

Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

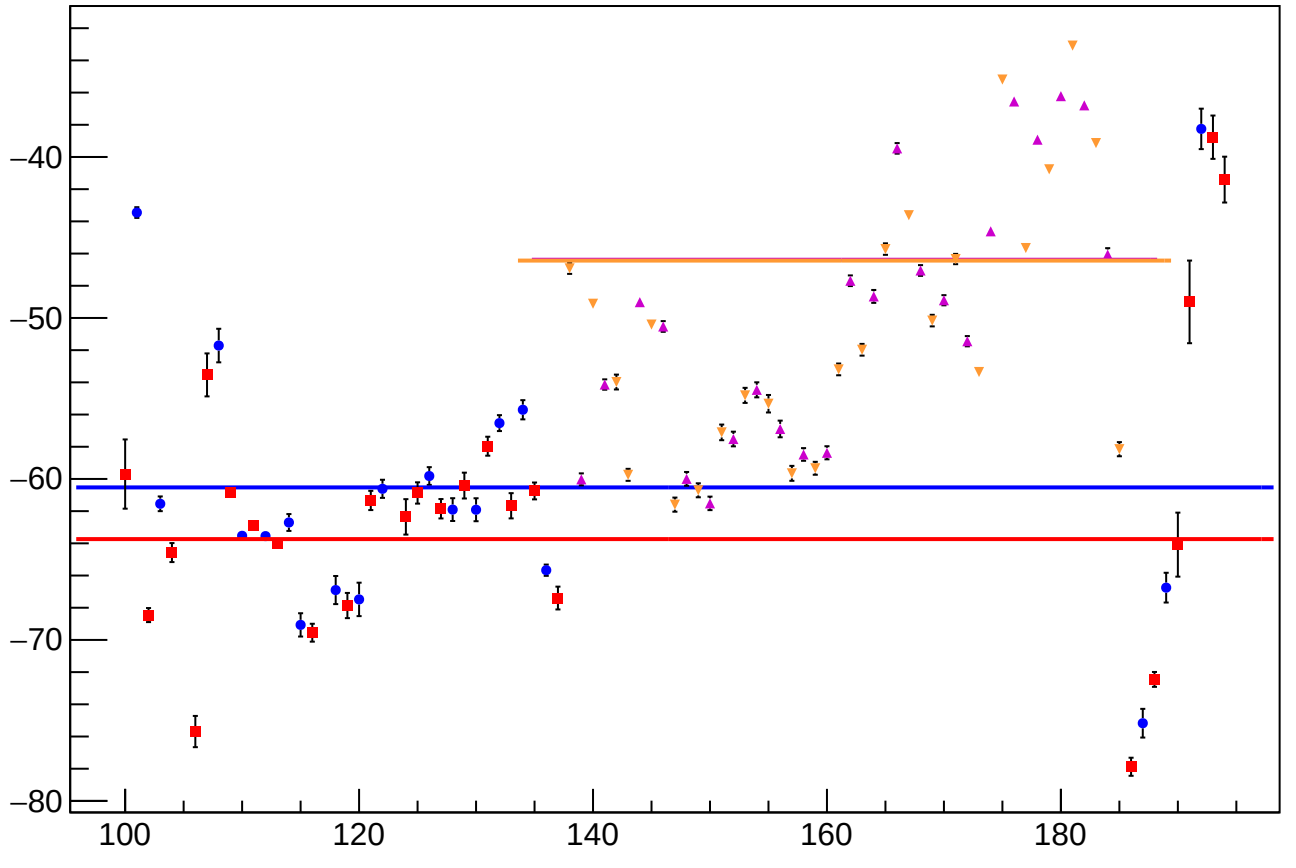
Left: 12.790+/-0.037 χ^2/NDF: 13520.0/47

Right: 10.528+/-0.079 χ^2/NDF: 983.0/43

In: 12.320+/-0.048 χ^2/NDF:6312.2/41

Out: 12.448+/-0.046 χ^2/NDF:8862.8/49

All: 12.386+/-0.033 χ^2/NDF: 15178.6/91



Right In: -60.526+/-0.111 χ^2/NDF: 4228.7/18

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.736+/-0.102 χ^2/NDF: 2496.8/24

Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

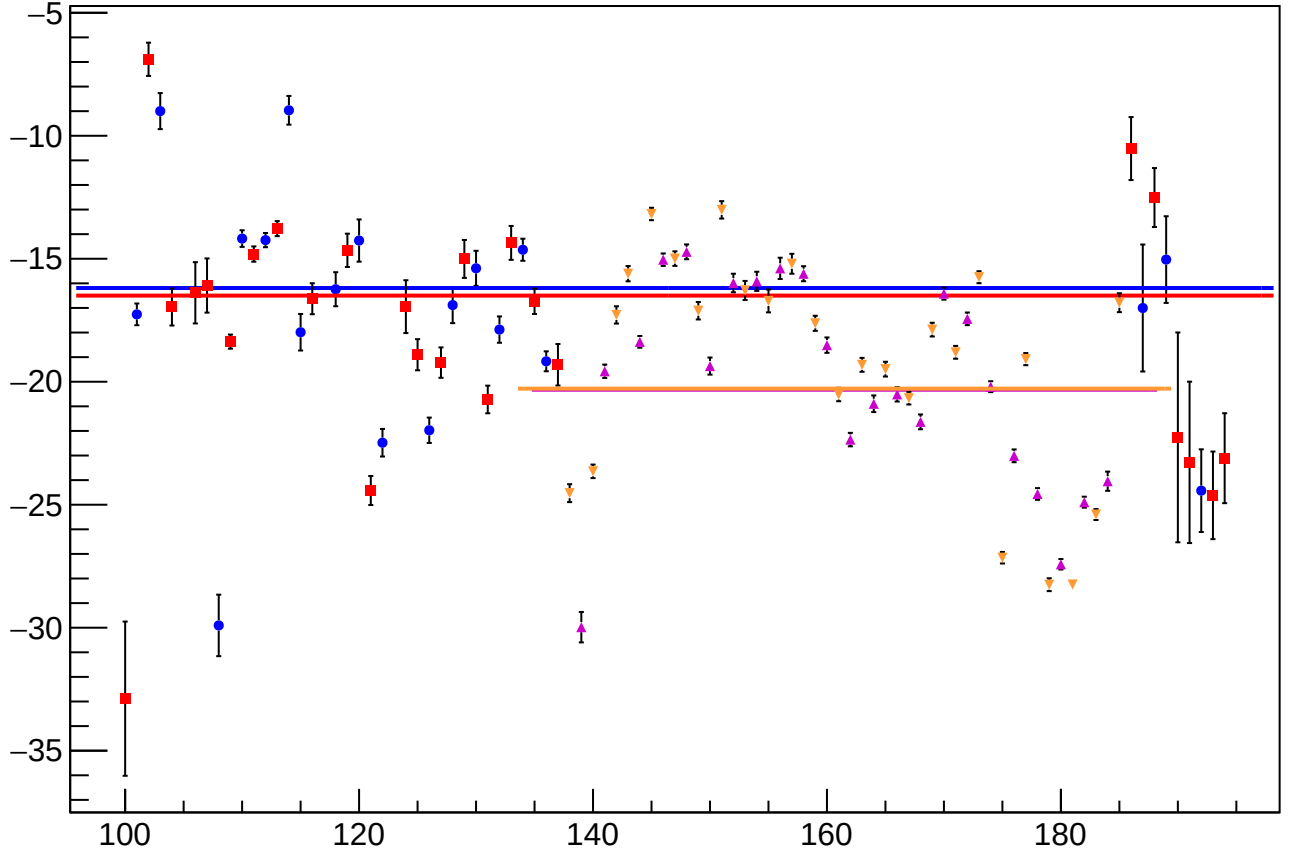
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

Right: -62.265+/-0.075 χ^2/NDF: 7180.0/43

In: -50.150+/-0.057 χ^2/NDF:31249.4/41

Out: -51.373+/-0.054 χ^2/NDF:41252.1/49

All: -50.792+/-0.039 χ^2/NDF: 72741.3/91



Right In: -16.190+/-0.126 χ^2/NDF: 821.7/18

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.498+/-0.123 χ^2/NDF: 757.5/24

Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

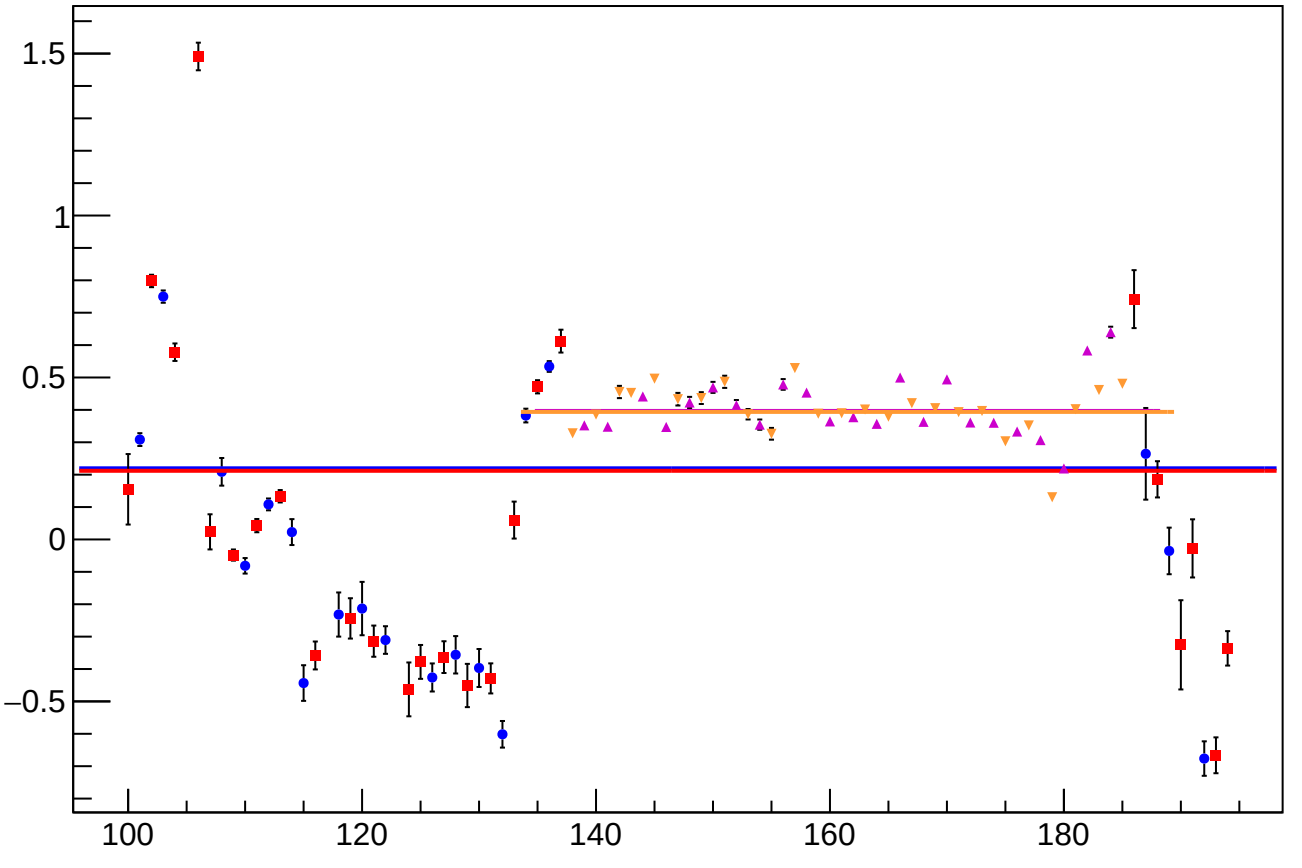
Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

Right: -16.348+/-0.088 χ^2/NDF: 1582.3/43

In: -19.582+/-0.054 χ^2/NDF:5973.2/41

Out: -19.608+/-0.052 χ^2/NDF:8559.0/49

All: -19.596+/-0.037 χ^2/NDF: 14532.3/91



Right In: 0.220+/-0.007 χ^2/NDF: 2935.7/18

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.212+/-0.007 χ^2/NDF: 4022.3/24

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

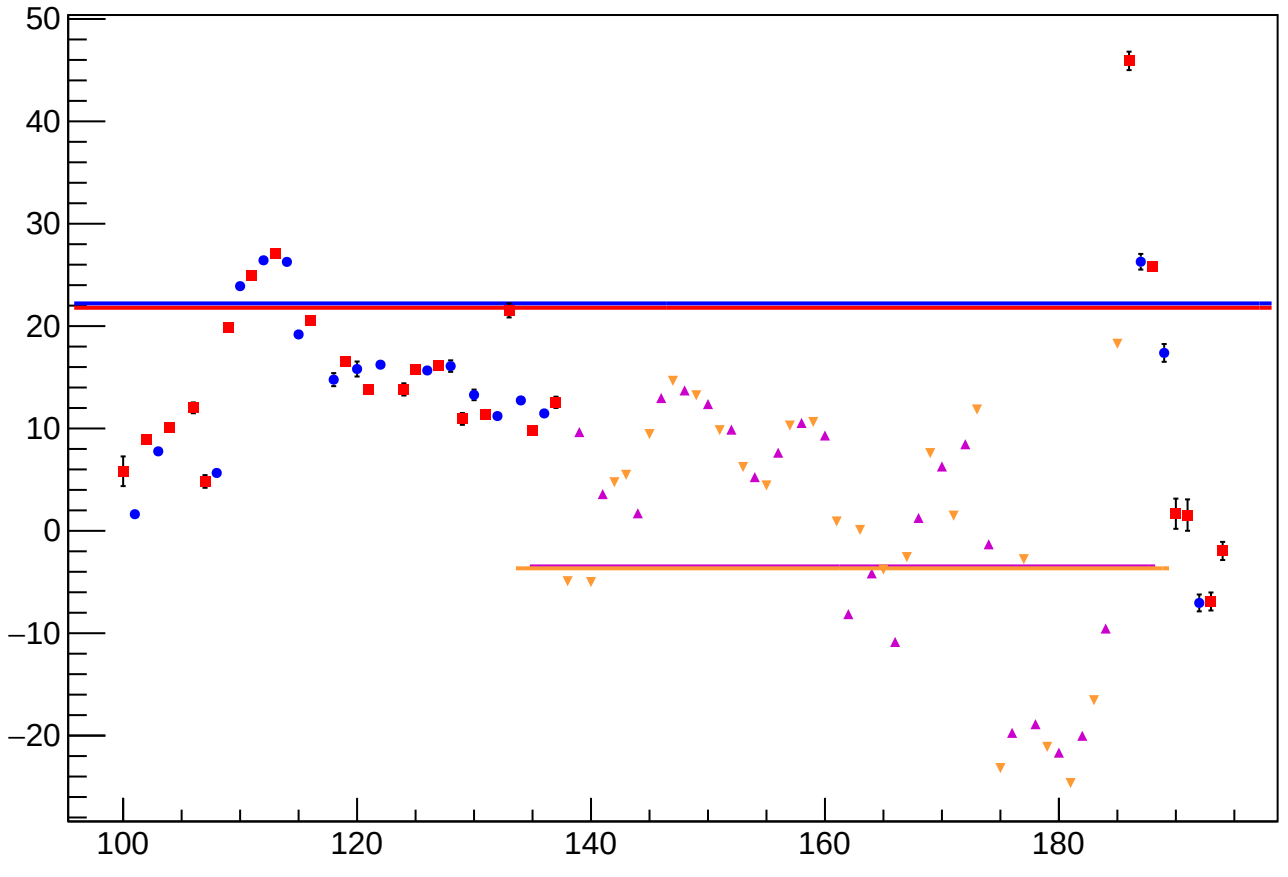
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.216+/-0.005 χ^2/NDF: 6958.6/43

In: 0.375+/-0.002 χ^2/NDF:4797.7/41

Out: 0.372+/-0.002 χ^2/NDF:5583.8/49

All: 0.373+/-0.002 χ^2/NDF: 10382.3/91



Right In: 22.214+/-0.056 χ^2/NDF: 13662.6/18

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.792+/-0.046 χ^2/NDF: 13652.0/24

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

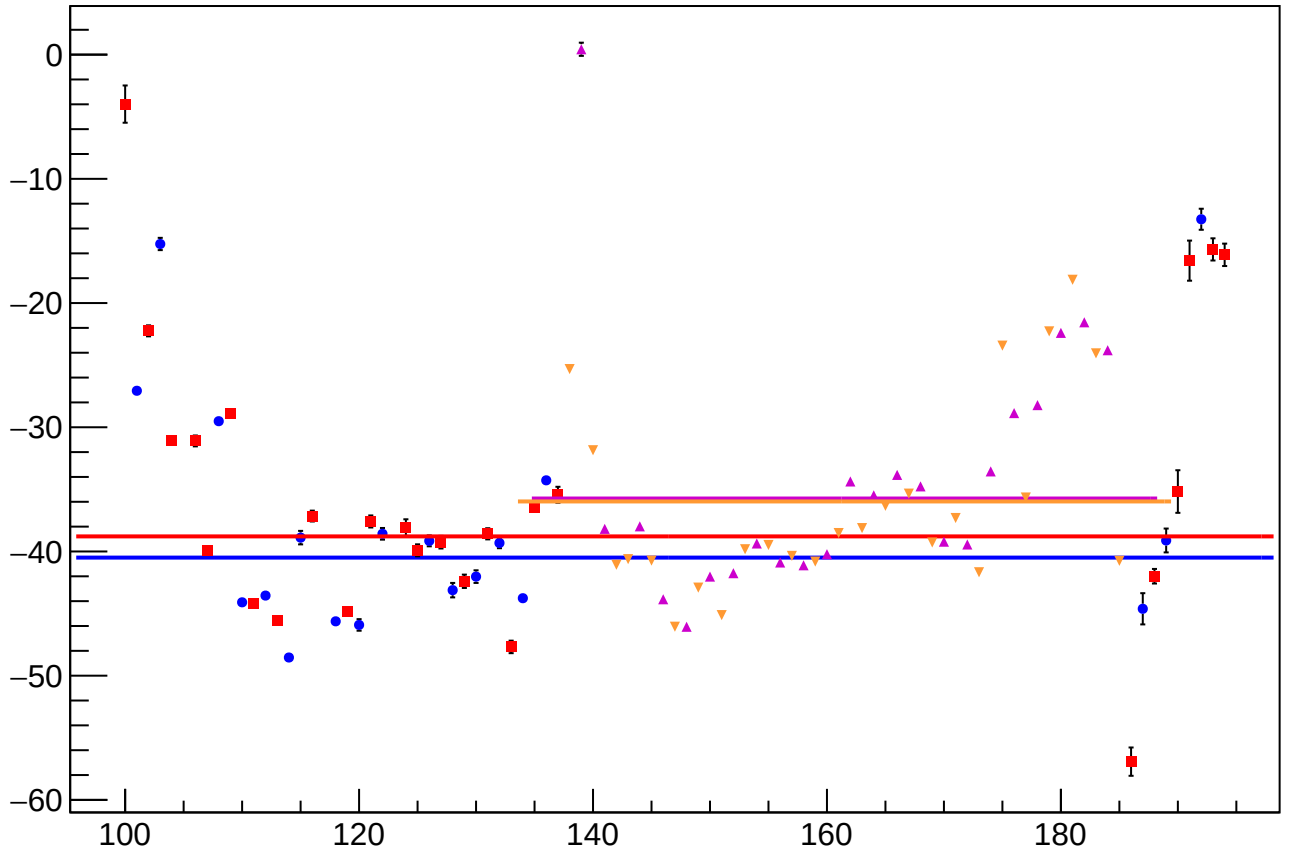
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 21.961+/-0.035 χ^2/NDF: 27348.5/43

In: 9.655+/-0.040 χ^2/NDF:161090.2/41

Out: 11.274+/-0.035 χ^2/NDF:198186.1/49

All: 10.573+/-0.026 χ^2/NDF: 360198.9/91



Right In: -40.493+/-0.076 χ^2/NDF: 8835.1/18

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -38.786+/-0.070 χ^2/NDF: 11888.3/24

Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

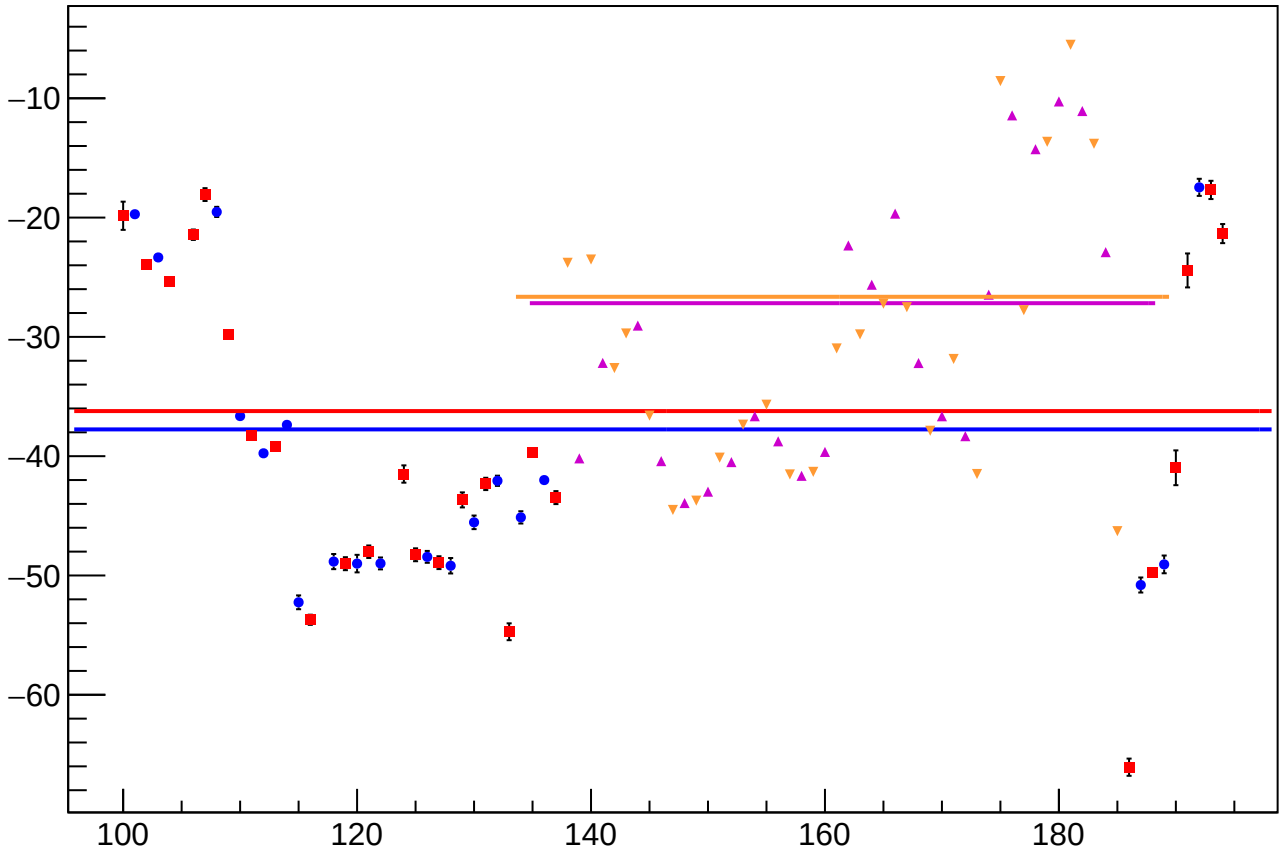
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -39.570+/-0.051 χ^2/NDF: 20997.7/43

In: -36.974+/-0.039 χ^2/NDF:38902.9/41

Out: -36.731+/-0.036 χ^2/NDF:46683.2/49

All: -36.845+/-0.026 χ^2/NDF: 85607.1/91



Right In: -37.756+/-0.073 χ^2/NDF: 12316.6/18

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -36.219+/-0.062 χ^2/NDF: 17735.6/24

Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

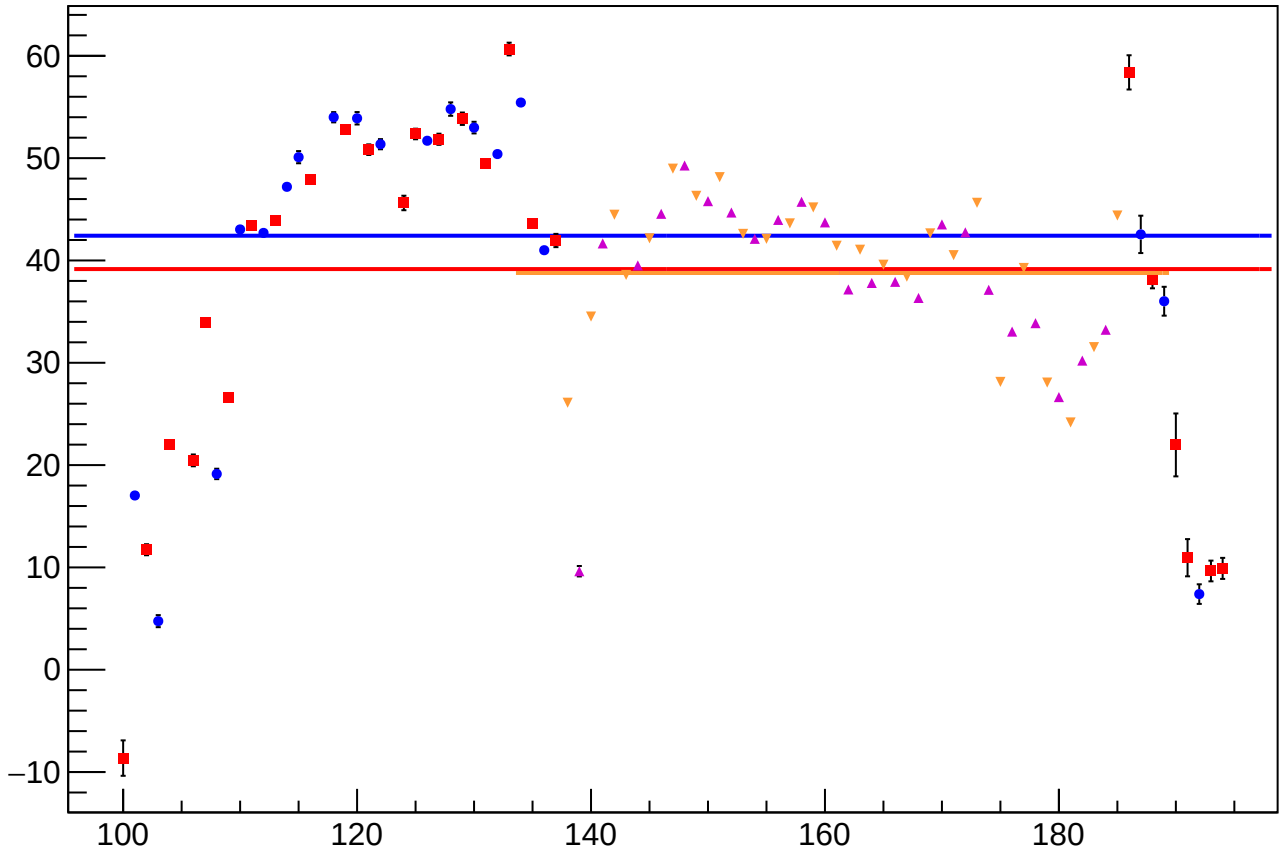
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -36.873+/-0.047 χ^2/NDF: 30310.2/43

In: -31.236+/-0.045 χ^2/NDF:66422.4/41

Out: -30.793+/-0.041 χ^2/NDF:81145.2/49

All: -30.995+/-0.030 χ^2/NDF: 147620.4/91



Right In: 42.419+/-0.084 χ^2/NDF: 16134.0/18

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 39.159+/-0.077 χ^2/NDF: 20064.9/24

Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

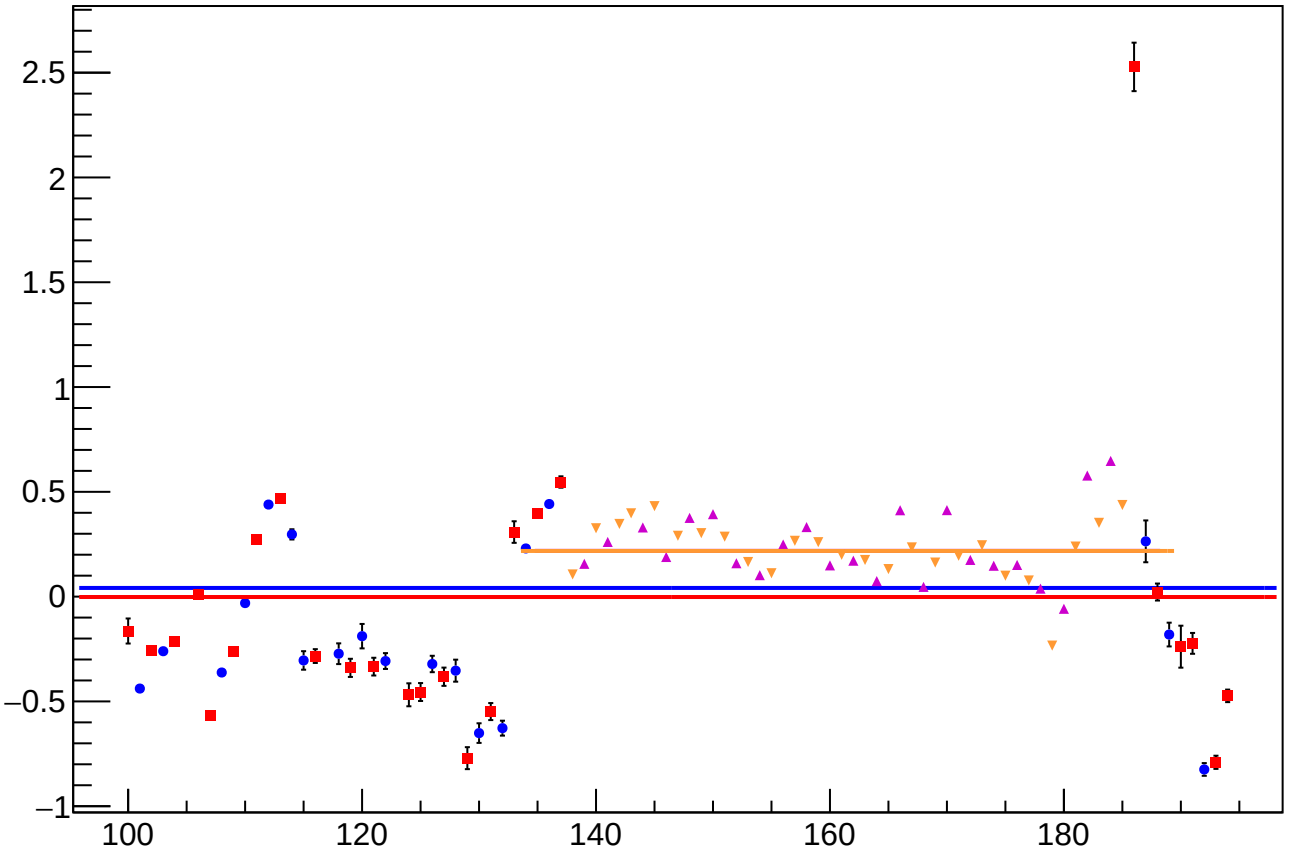
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 40.643+/-0.057 χ^2/NDF: 37010.4/43

In: 39.737+/-0.043 χ^2/NDF:33737.8/41

Out: 38.883+/-0.041 χ^2/NDF:41153.1/49

All: 39.284+/-0.030 χ^2/NDF: 75099.1/91



Right In: 0.041+/-0.005 χ^2/NDF: 6356.3/18

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.002+/-0.004 χ^2/NDF: 7815.5/24

Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

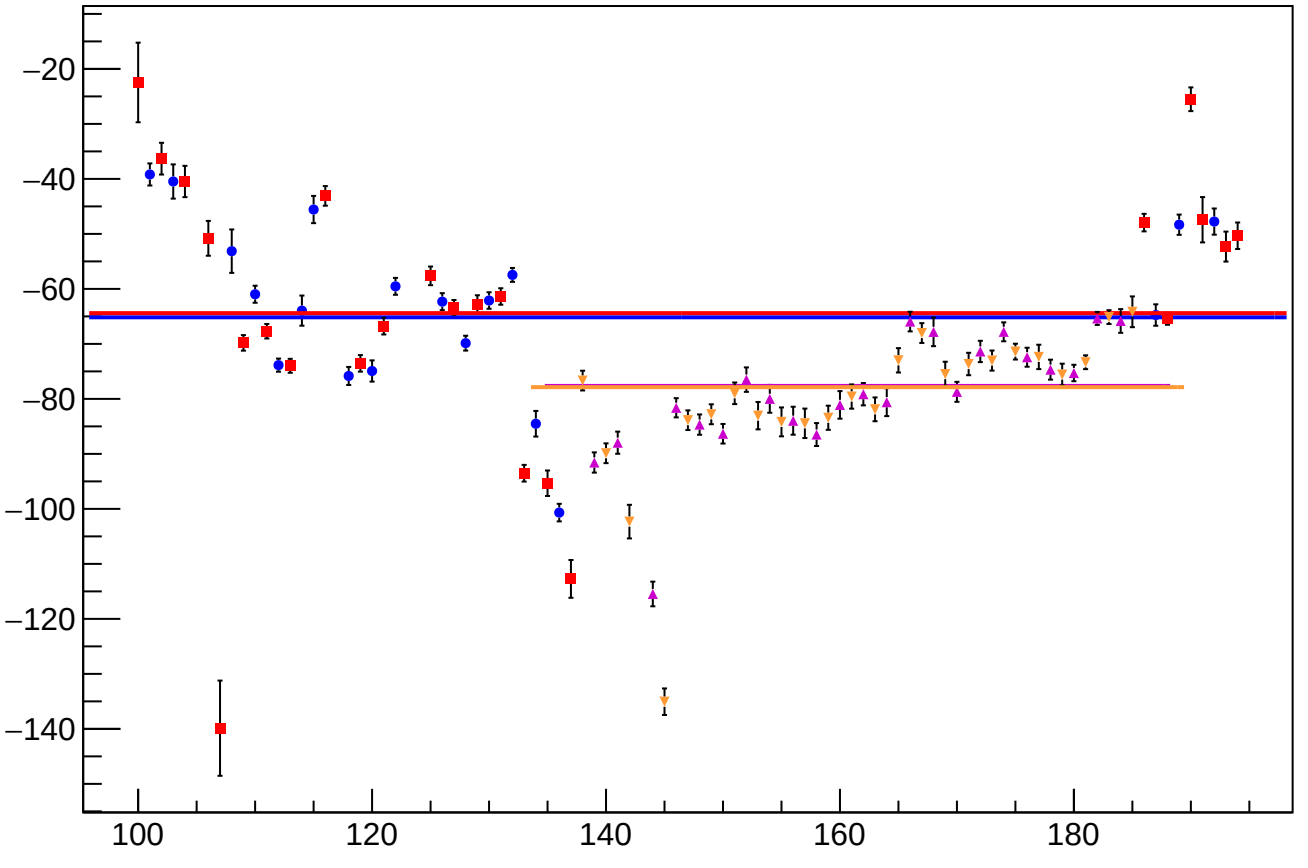
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

Right: 0.017+/-0.003 χ^2/NDF: 14217.8/43

In: 0.186+/-0.002 χ^2/NDF:12801.2/41

Out: 0.173+/-0.002 χ^2/NDF:14017.6/49

All: 0.179+/-0.001 χ^2/NDF: 26841.4/91



Right In: -65.166+/-0.400 χ^2/NDF: 1201.9/18

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -64.407+/-0.365 χ^2/NDF: 1822.3/23

Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

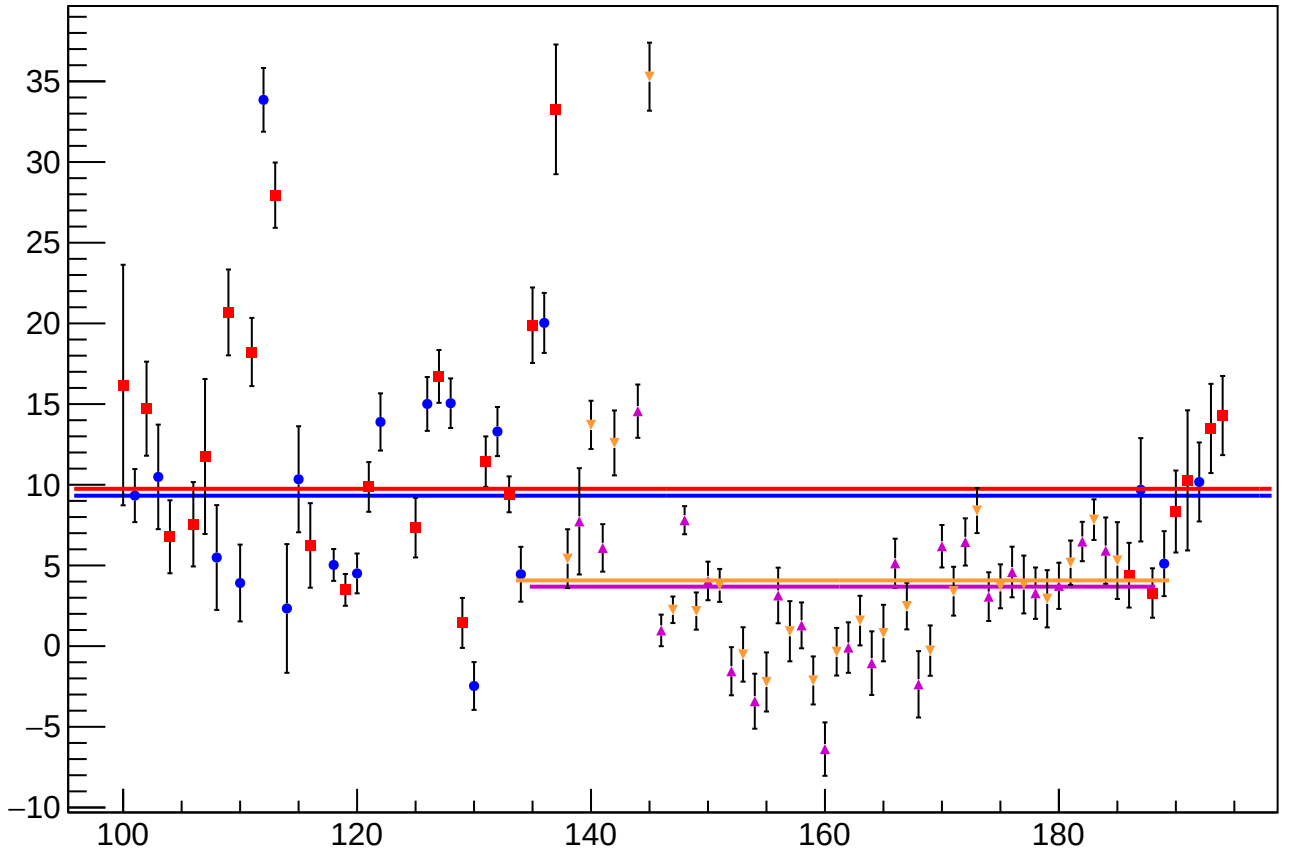
Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

Right: -64.752+/-0.270 χ^2/NDF: 3026.2/42

In: -71.464+/-0.282 χ^2/NDF:2385.7/41

Out: -70.626+/-0.268 χ^2/NDF:3382.2/47

All: -71.024+/-0.194 χ^2/NDF: 5772.6/89



Right In: 9.322+/-0.409 χ^2/NDF: 346.6/18

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.750+/-0.394 χ^2/NDF: 295.6/23

Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

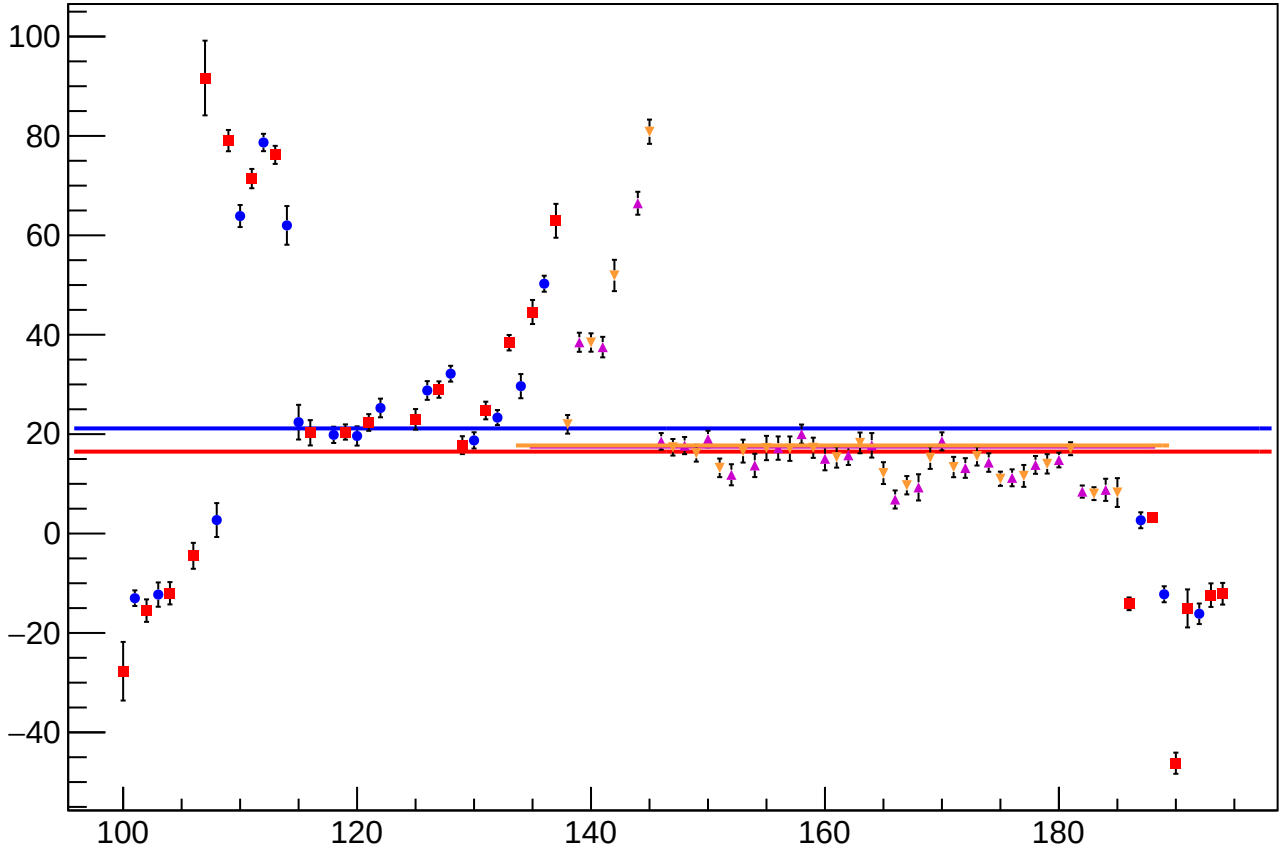
Right: 9.544+/-0.284 χ^2/NDF: 642.8/42

In: 5.670+/-0.243 χ^2/NDF:652.0/41

Out: 6.129+/-0.237 χ^2/NDF:798.7/47

All: 5.905+/-0.170 χ^2/NDF: 1452.6/89

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 21.153+/-0.434 χ^2/NDF: 3555.8/18

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 16.482+/-0.384 χ^2/NDF: 5997.7/23

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

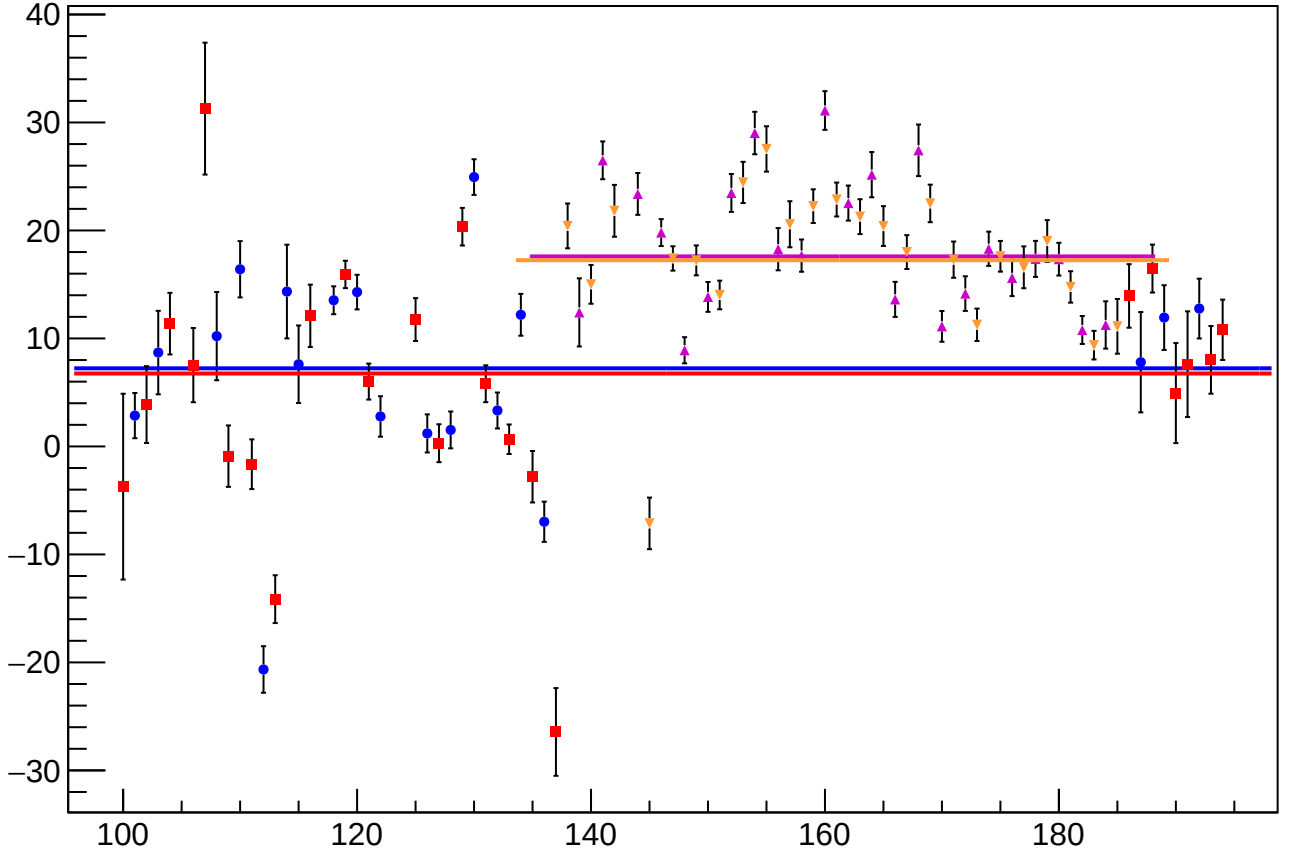
Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

Right: 18.534+/-0.288 χ^2/NDF: 9618.4/42

In: 19.139+/-0.291 χ^2/NDF:4415.6/41

Out: 17.092+/-0.274 χ^2/NDF:7061.1/47

All: 18.053+/-0.200 χ^2/NDF: 11503.0/89



Right In: 7.234+/-0.479 χ^2/NDF: 451.2/18

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 6.753+/-0.466 χ^2/NDF: 398.2/23

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

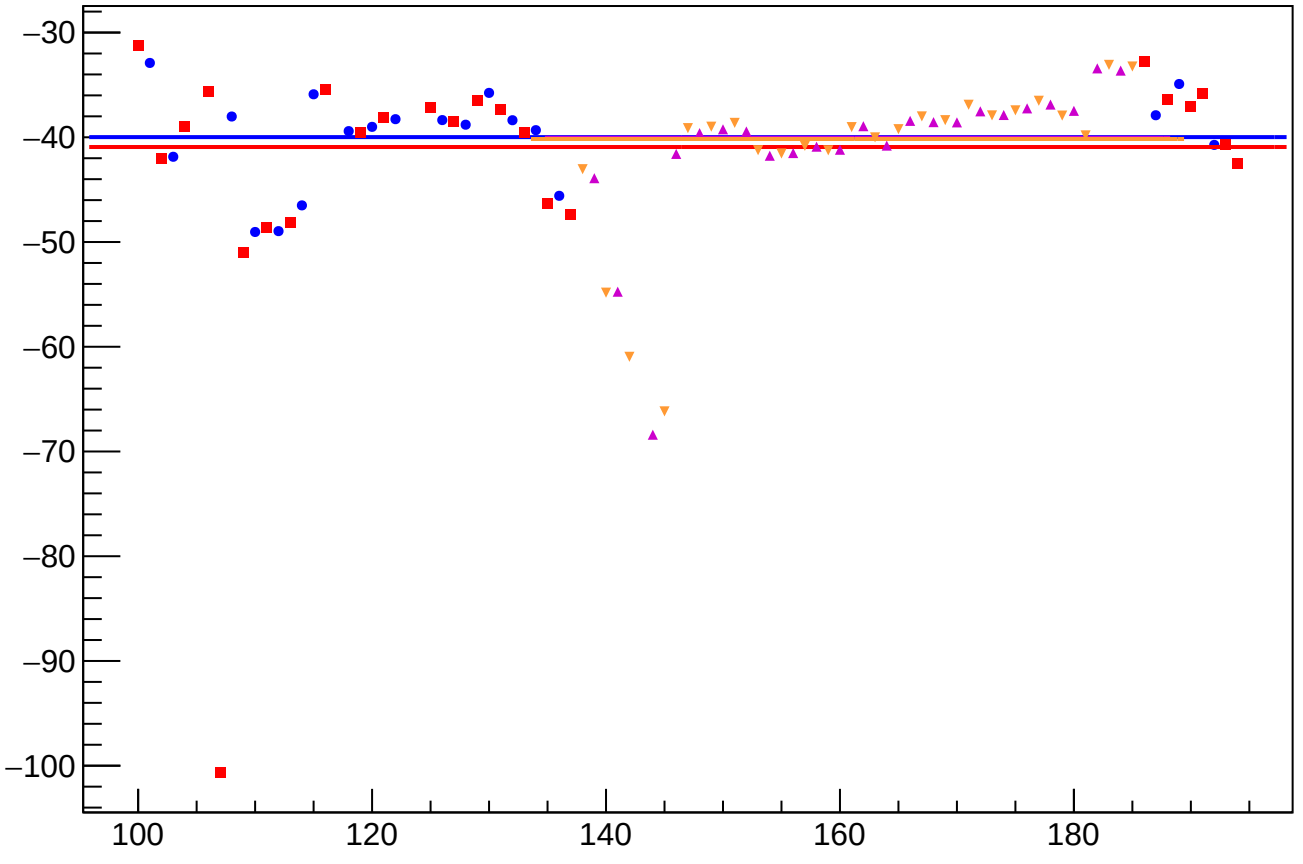
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 6.987+/-0.334 χ^2/NDF: 849.9/42

In: 14.094+/-0.278 χ^2/NDF:1070.8/41

Out: 13.624+/-0.274 χ^2/NDF:991.3/47

All: 13.855+/-0.195 χ^2/NDF: 2063.6/89



Right In: -39.984+/-0.028 χ^2/NDF: 22817.6/18

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.929+/-0.026 χ^2/NDF: 65833.1/23

Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

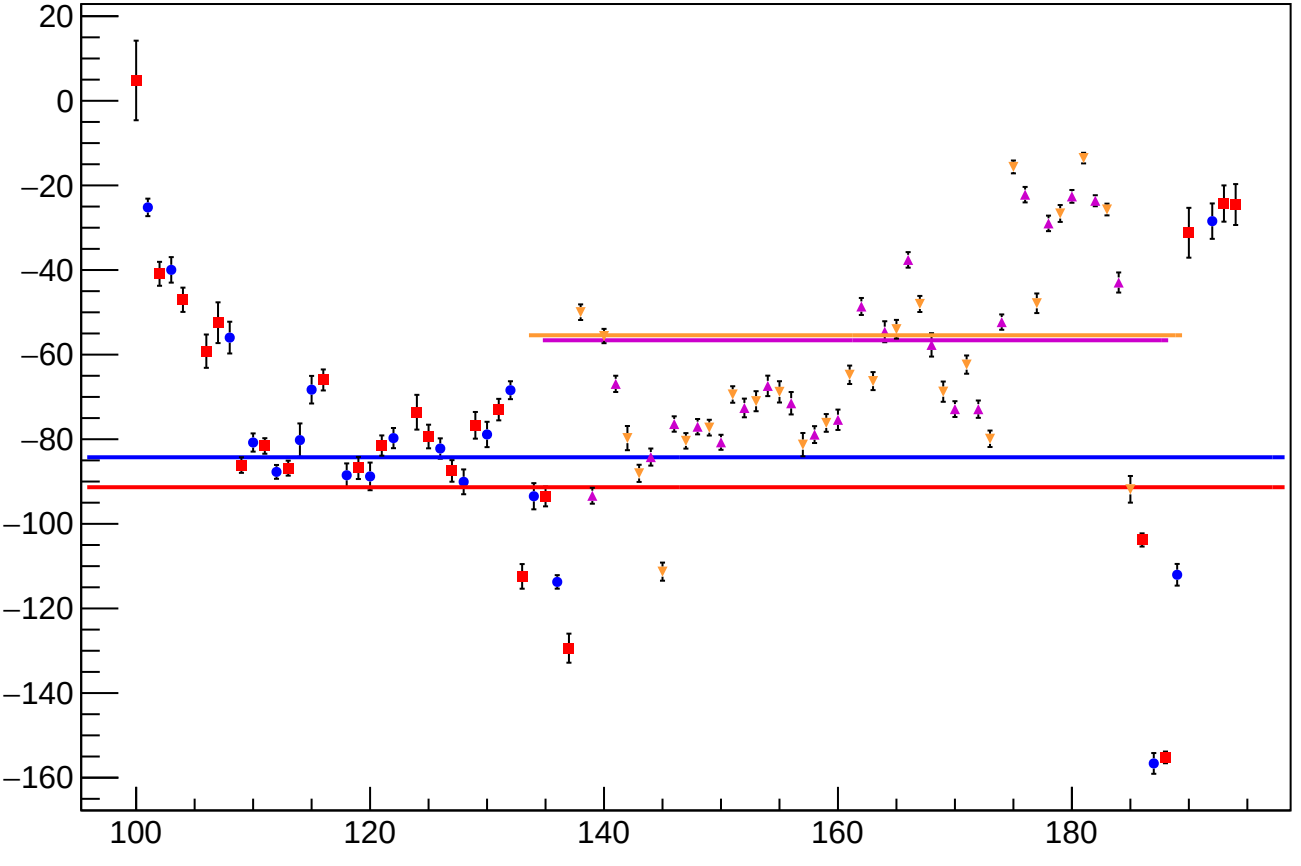
Right: -40.495+/-0.019 χ^2/NDF: 89247.5/42

In: -40.035+/-0.014 χ^2/NDF:159260.3/41

Out: -40.361+/-0.013 χ^2/NDF:229800.4/47

All: -40.201+/-0.009 χ^2/NDF: 389356.5/89

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -84.262+/-0.572 χ^2/NDF: 2705.2/18

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -91.343+/-0.513 χ^2/NDF: 3986.3/23

Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

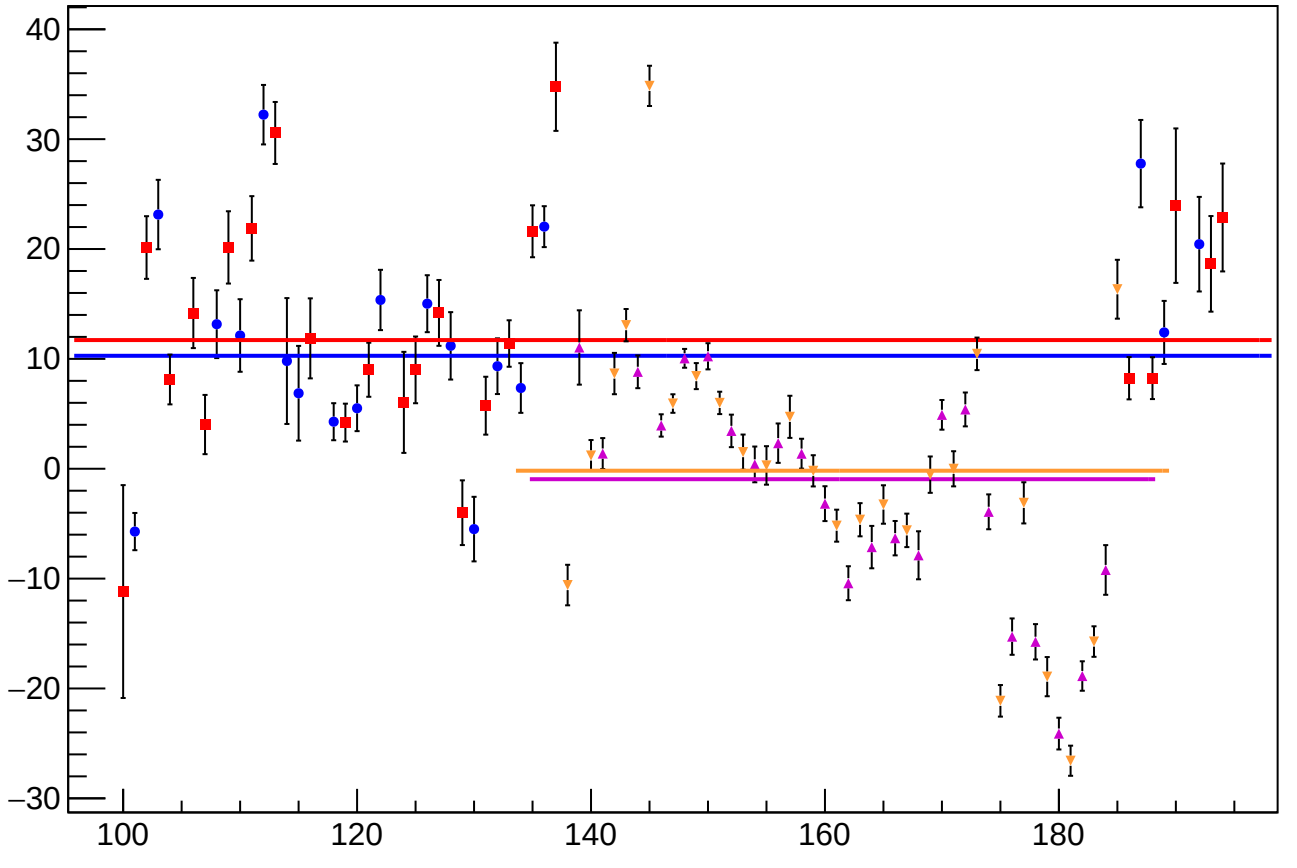
Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

Right: -88.189+/-0.382 χ^2/NDF: 6776.4/42

In: -65.799+/-0.330 χ^2/NDF:7614.5/41

Out: -68.721+/-0.312 χ^2/NDF:11599.5/48

All: -67.341+/-0.227 χ^2/NDF: 19255.4/90



Right In: 10.281+/-0.594 χ^2/NDF: 293.9/18

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 11.712+/-0.566 χ^2/NDF: 213.4/23

Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

Left: -0.553+/-0.211 χ^2/NDF: 2671.5/47

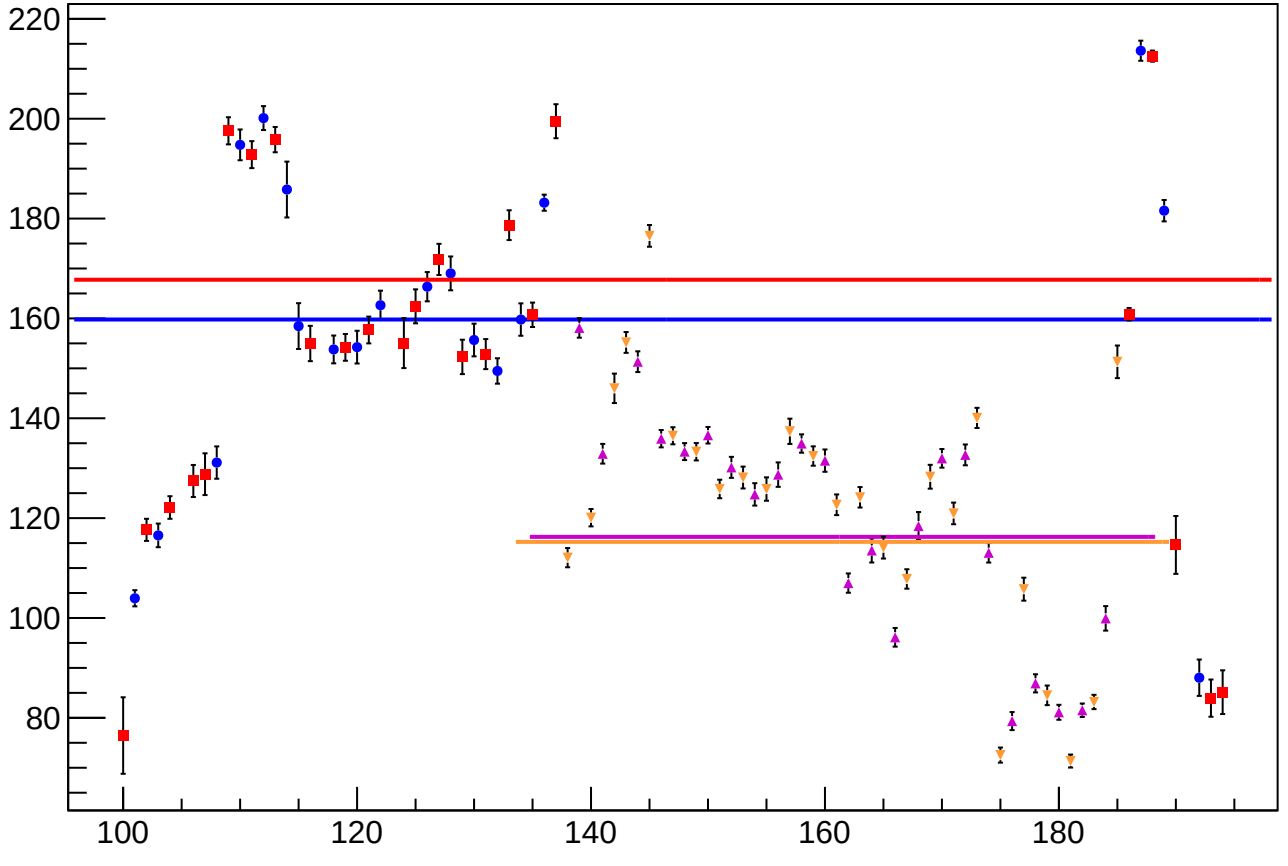
Right: 11.032+/-0.410 χ^2/NDF: 510.4/42

In: 1.377+/-0.271 χ^2/NDF:1646.5/41

Out: 2.352+/-0.261 χ^2/NDF:2159.9/48

All: 1.883+/-0.188 χ^2/NDF: 3813.2/90

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 159.782+/-0.595 χ^2/NDF: 3489.7/18

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 167.750+/-0.516 χ^2/NDF: 4454.7/23

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

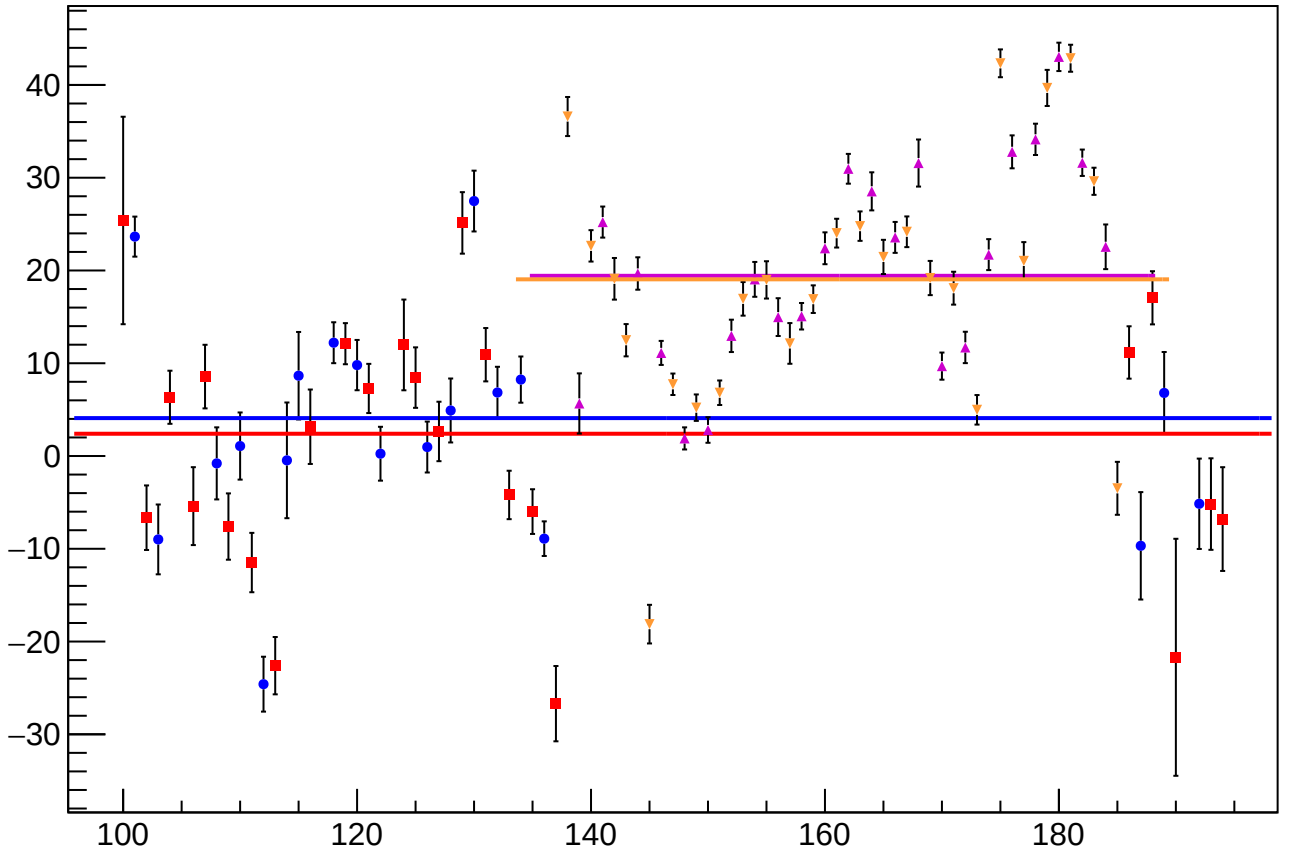
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 164.329+/-0.390 χ^2/NDF: 8046.7/42

In: 129.756+/-0.331 χ^2/NDF:10818.4/41

Out: 134.349+/-0.311 χ^2/NDF:15875.1/48

All: 132.196+/-0.227 χ^2/NDF: 26795.5/90



Right In: 4.087+/-0.693 χ^2/NDF: 325.9/18

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 2.401+/-0.675 χ^2/NDF: 311.7/23

Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

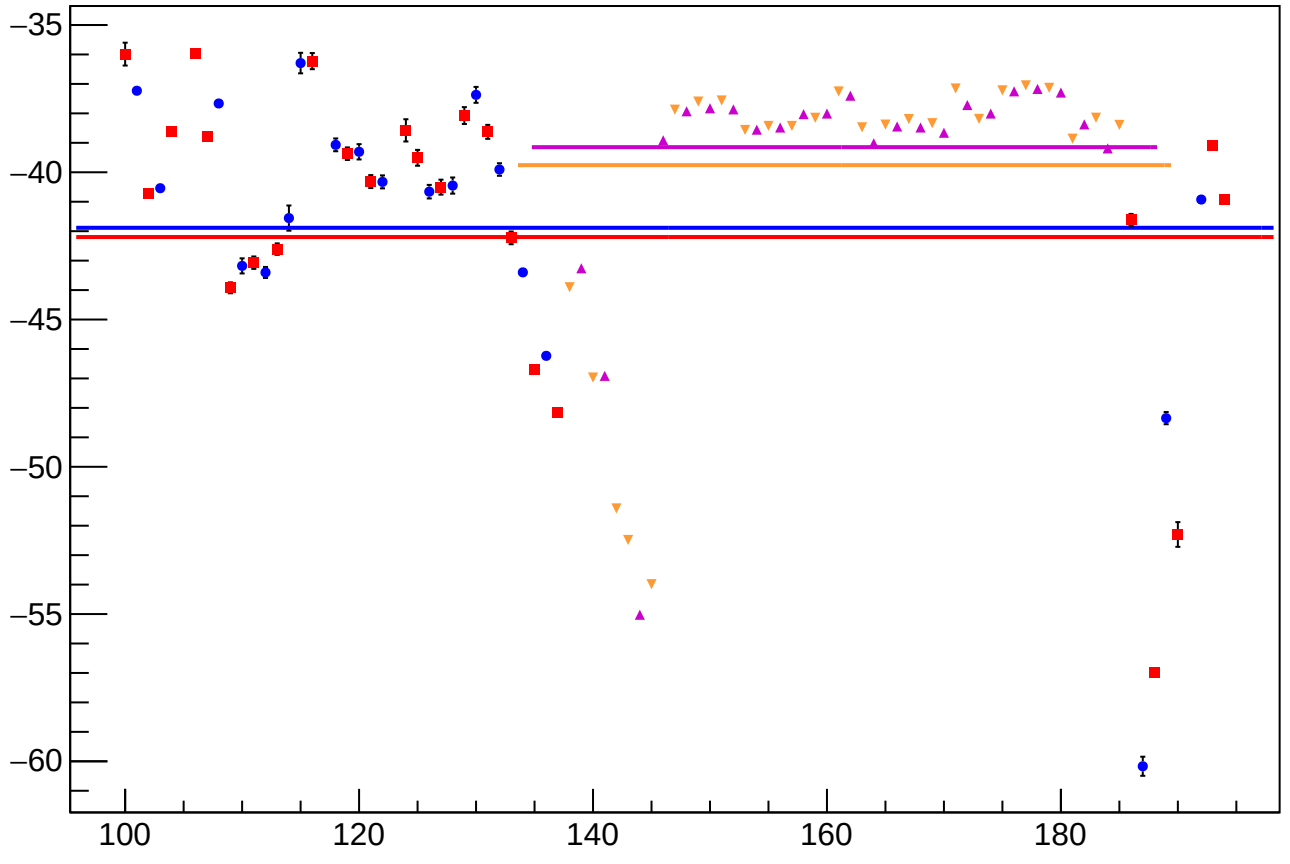
Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

Right: 3.222+/-0.483 χ^2/NDF: 640.7/42

In: 16.365+/-0.309 χ^2/NDF:1795.8/41

Out: 15.739+/-0.301 χ^2/NDF:2344.8/48

All: 16.043+/-0.216 χ^2/NDF: 4142.7/90



Right In: -41.885+/-0.036 χ^2/NDF: 12223.8/18

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -42.199+/-0.035 χ^2/NDF: 18942.7/23

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

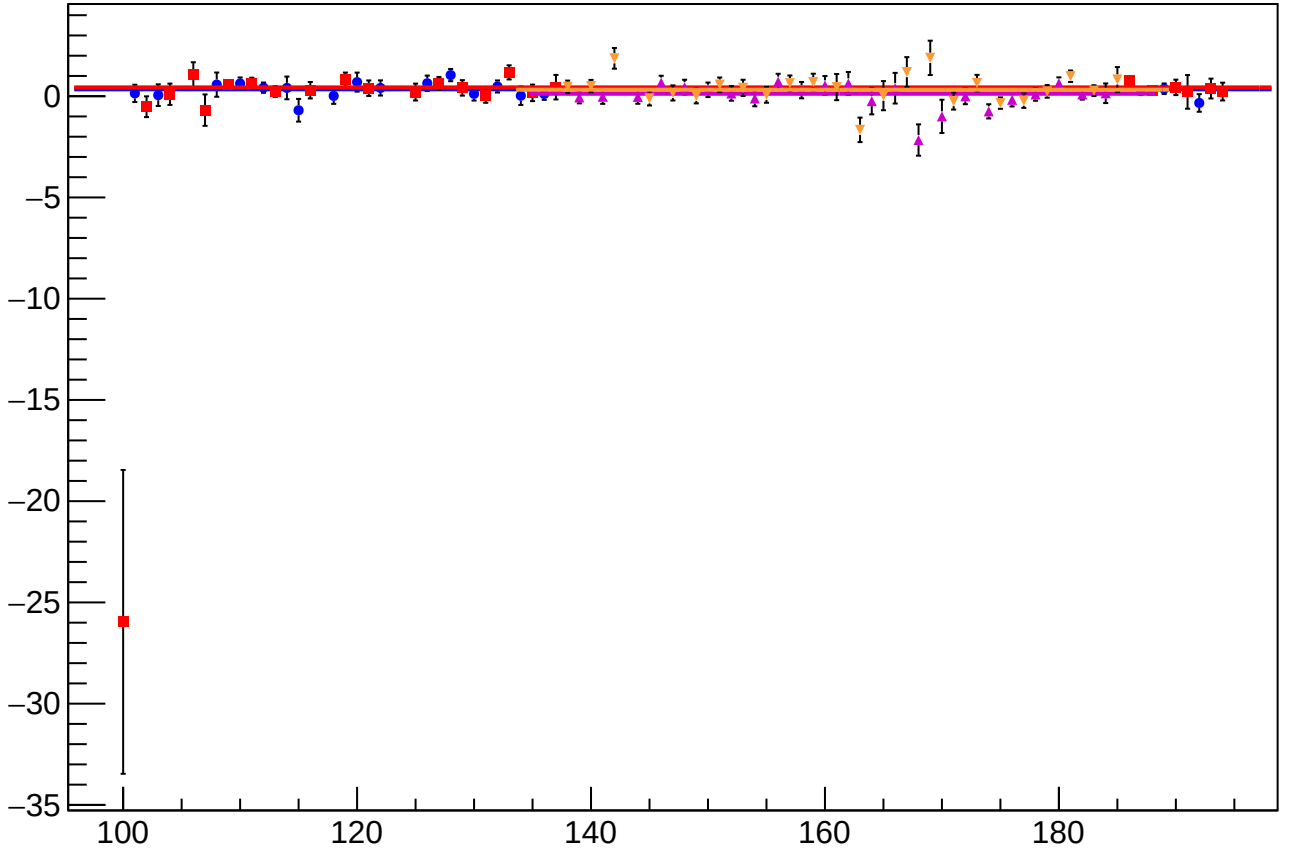
Right: -42.045+/-0.025 χ^2/NDF: 31204.9/42

In: -39.577+/-0.014 χ^2/NDF:63956.1/41

Out: -40.146+/-0.014 χ^2/NDF:104784.3/48

All: -39.865+/-0.010 χ^2/NDF: 169539.8/90

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.340+/-0.080 χ^2/NDF: 16.8/18

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.436+/-0.065 χ^2/NDF: 34.8/23

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

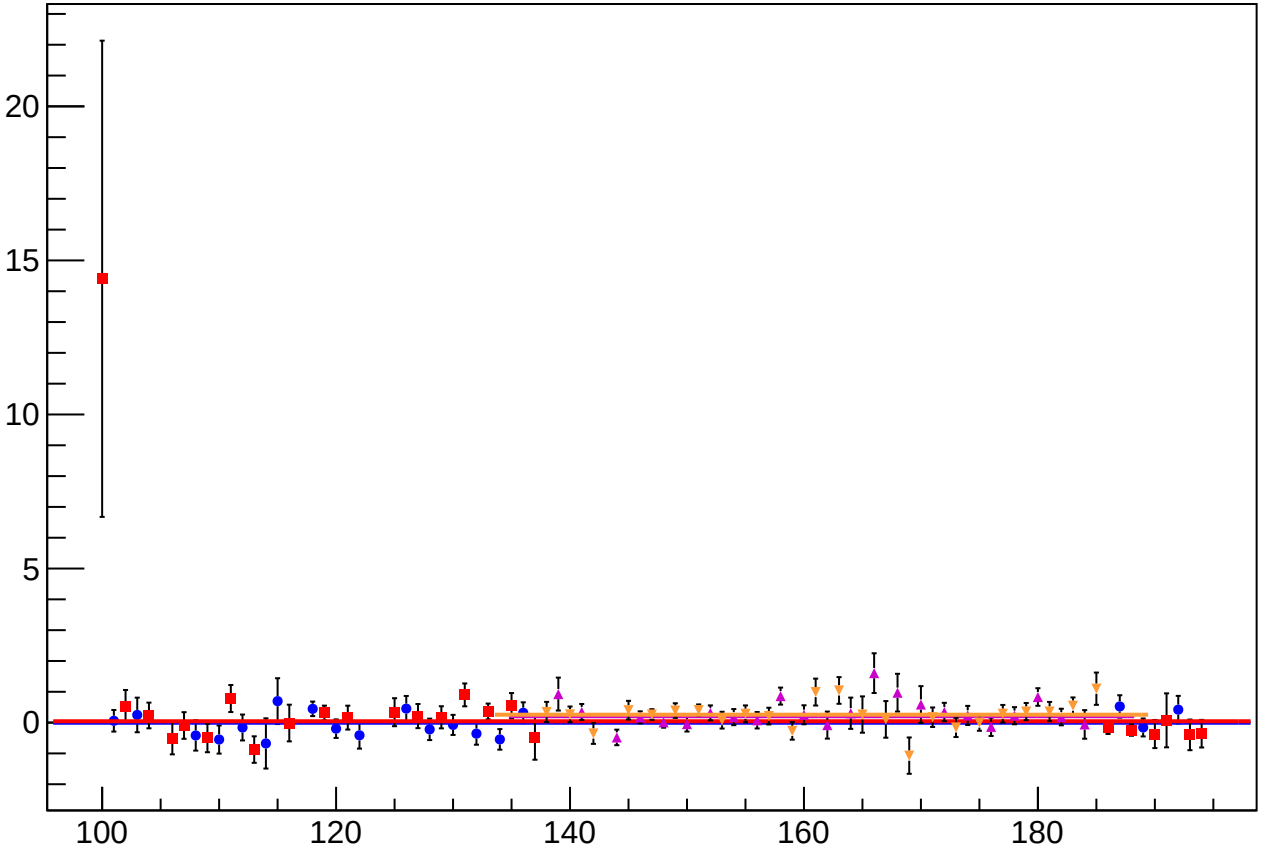
Right: 0.397+/-0.050 χ^2/NDF: 52.5/42

In: 0.230+/-0.056 χ^2/NDF:50.6/41

Out: 0.389+/-0.050 χ^2/NDF:83.0/47

All: 0.318+/-0.037 χ^2/NDF: 138.0/89

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.004+/-0.085 χ^2/NDF: 18.5/18

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.044+/-0.075 χ^2/NDF: 31.3/23

Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

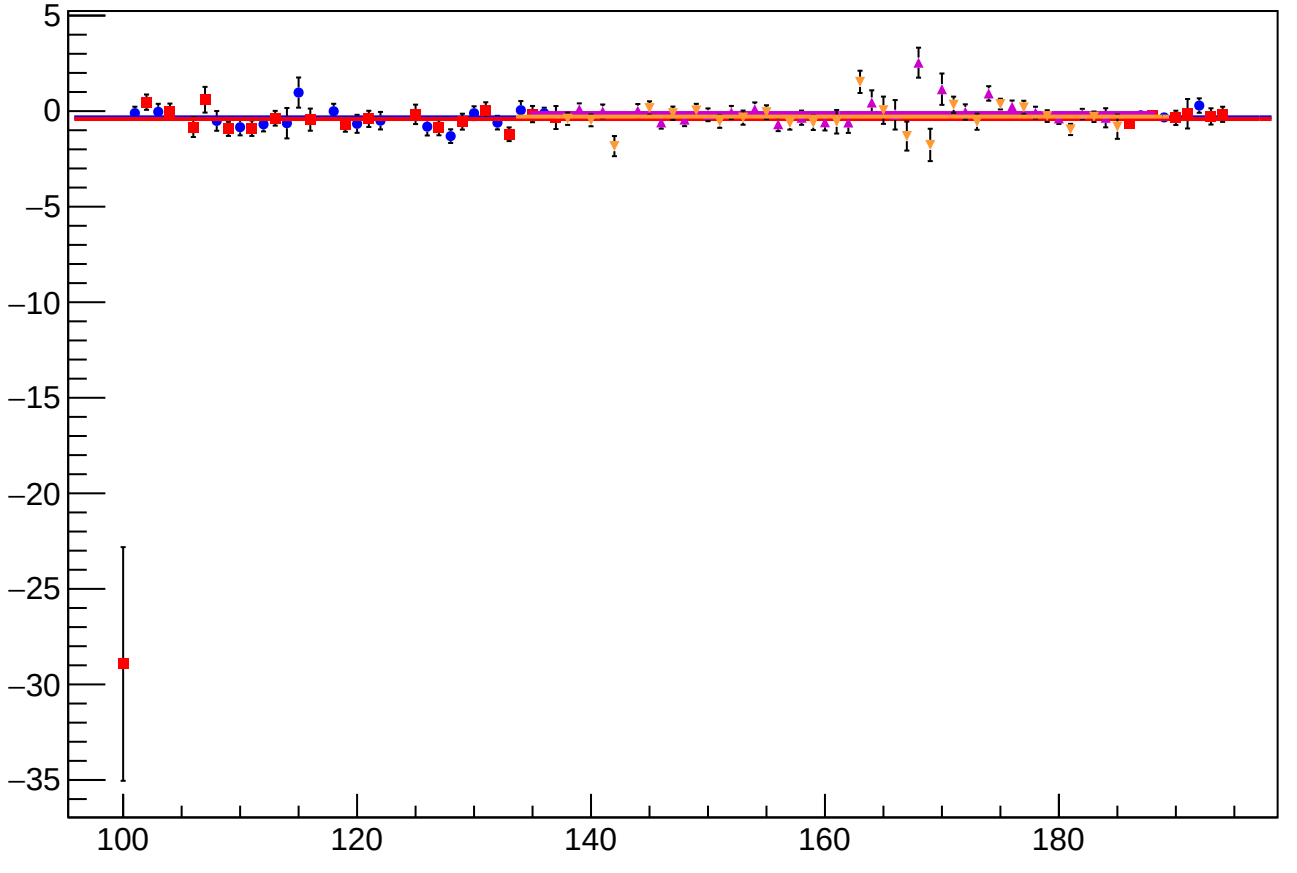
Right: 0.023+/-0.056 χ^2/NDF: 50.0/42

In: 0.137+/-0.049 χ^2/NDF:54.5/41

Out: 0.175+/-0.047 χ^2/NDF:62.8/47

All: 0.157+/-0.034 χ^2/NDF: 117.6/89

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.326+/-0.081 χ^2/NDF: 21.4/18

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.413+/-0.062 χ^2/NDF: 48.6/23

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

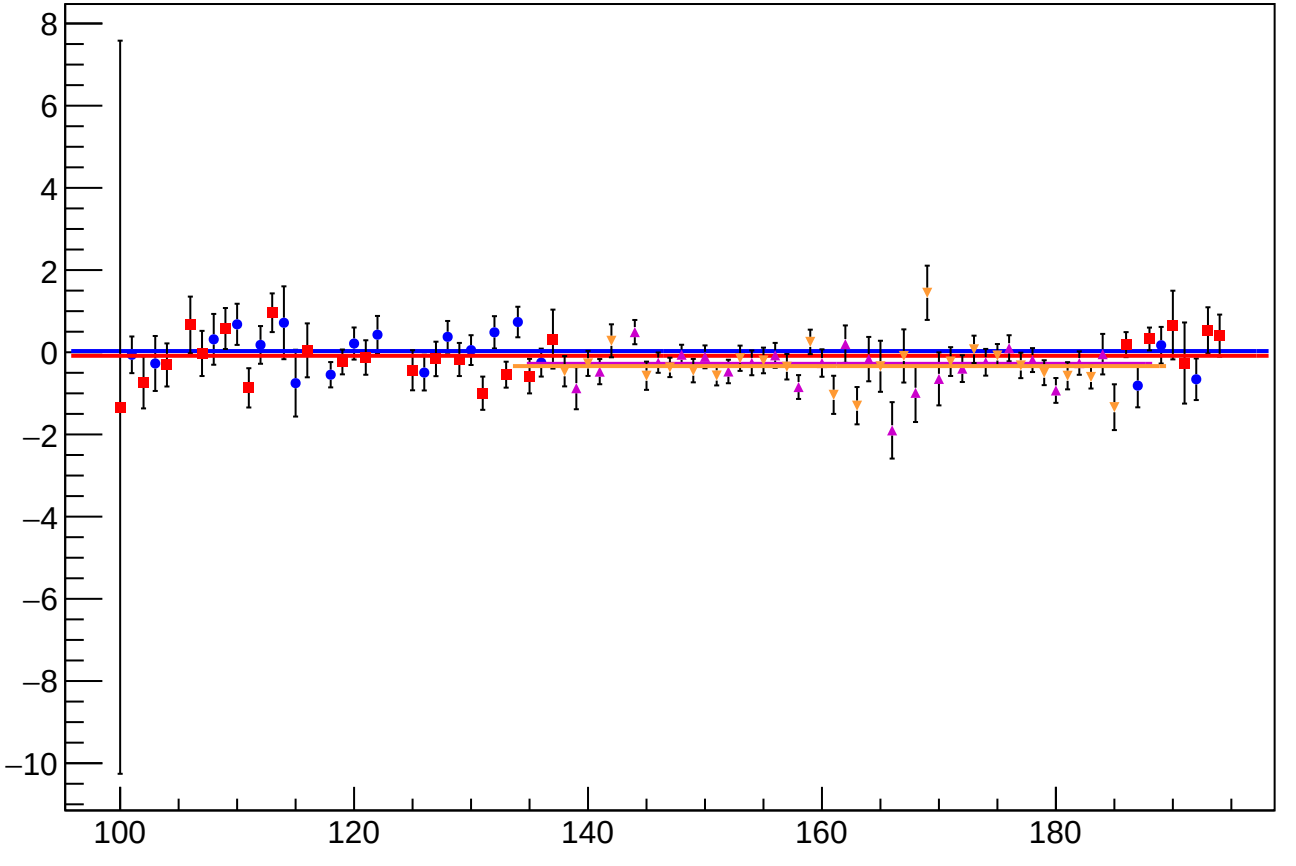
Right: -0.381+/-0.049 χ^2/NDF: 70.7/42

In: -0.209+/-0.056 χ^2/NDF:58.6/41

Out: -0.363+/-0.048 χ^2/NDF:95.3/47

All: -0.298+/-0.037 χ^2/NDF: 158.2/89

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.029+/-0.101 χ^2/NDF: 20.6/18

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.086+/-0.093 χ^2/NDF: 27.5/23

Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

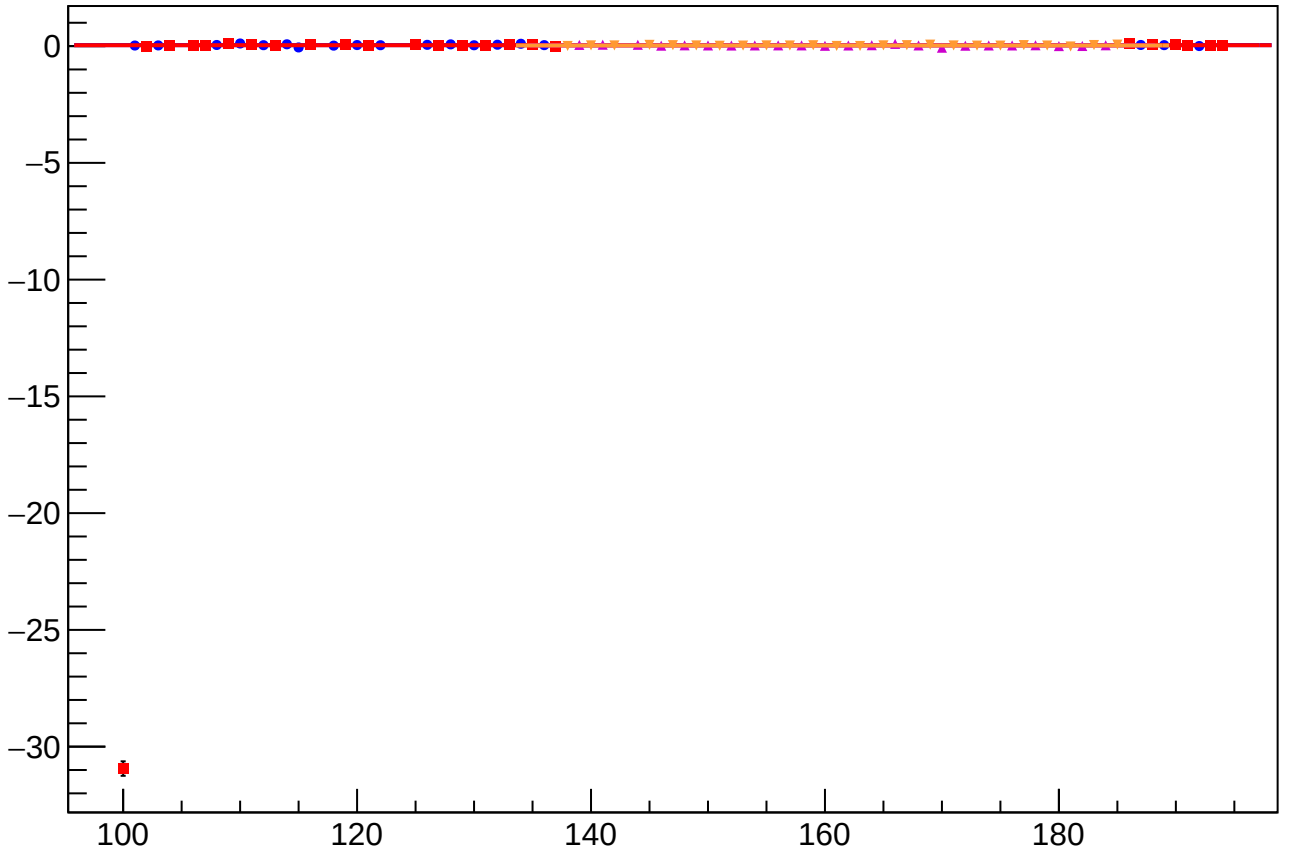
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: -0.033+/-0.068 χ^2/NDF: 48.9/42

In: -0.183+/-0.057 χ^2/NDF:56.1/41

Out: -0.249+/-0.055 χ^2/NDF:62.4/47

All: -0.217+/-0.040 χ^2/NDF: 119.2/89



Right In: 0.043+/-0.005 χ^2/NDF: 26.3/18

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.038+/-0.005 χ^2/NDF: 10038.0/23

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

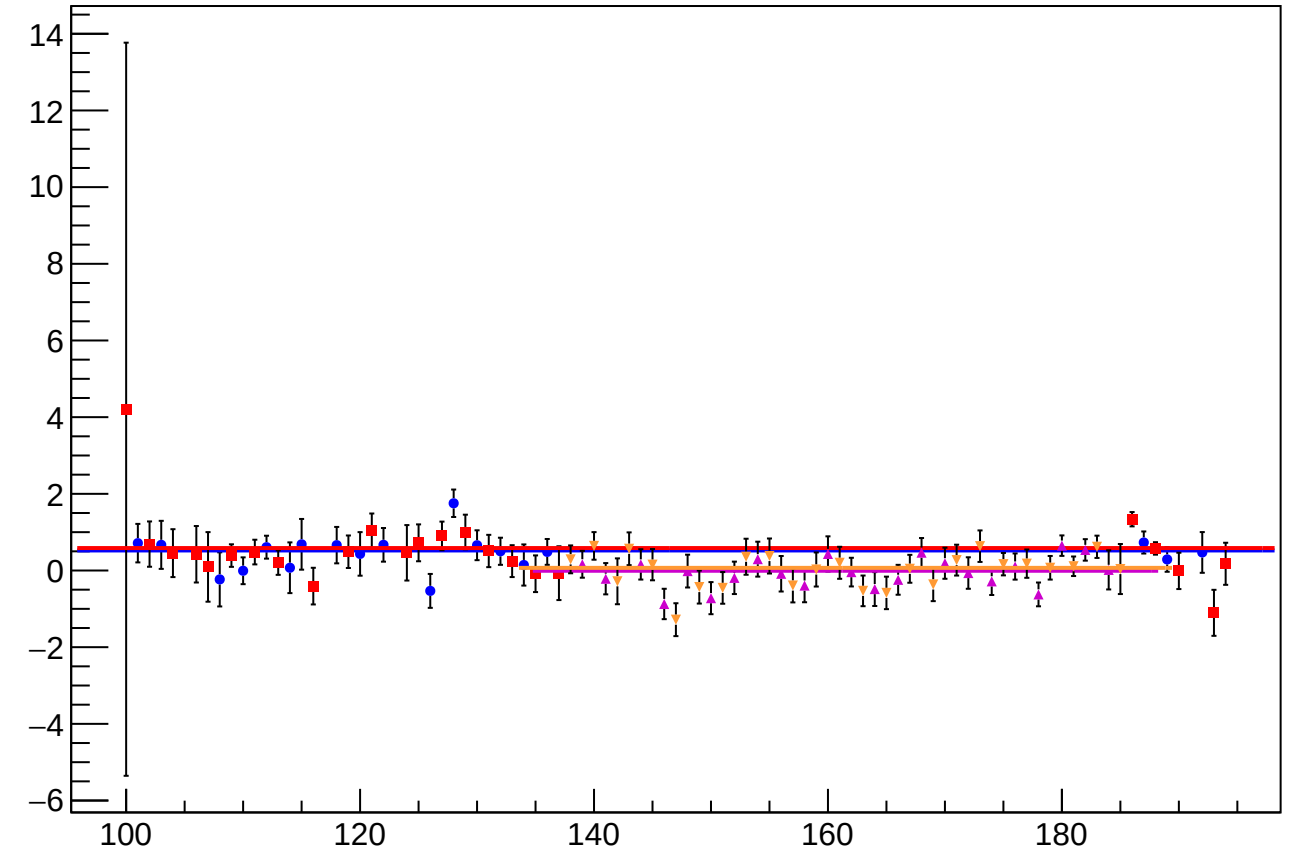
Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

Right: 0.040+/-0.004 χ^2/NDF: 10064.6/42

In: 0.033+/-0.003 χ^2/NDF:69.6/41

Out: 0.031+/-0.003 χ^2/NDF:10068.7/47

All: 0.032+/-0.002 χ^2/NDF: 10138.5/89



Right In: 0.523+/-0.095 χ^2/NDF: 23.7/18

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.585+/-0.077 χ^2/NDF: 39.4/23

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

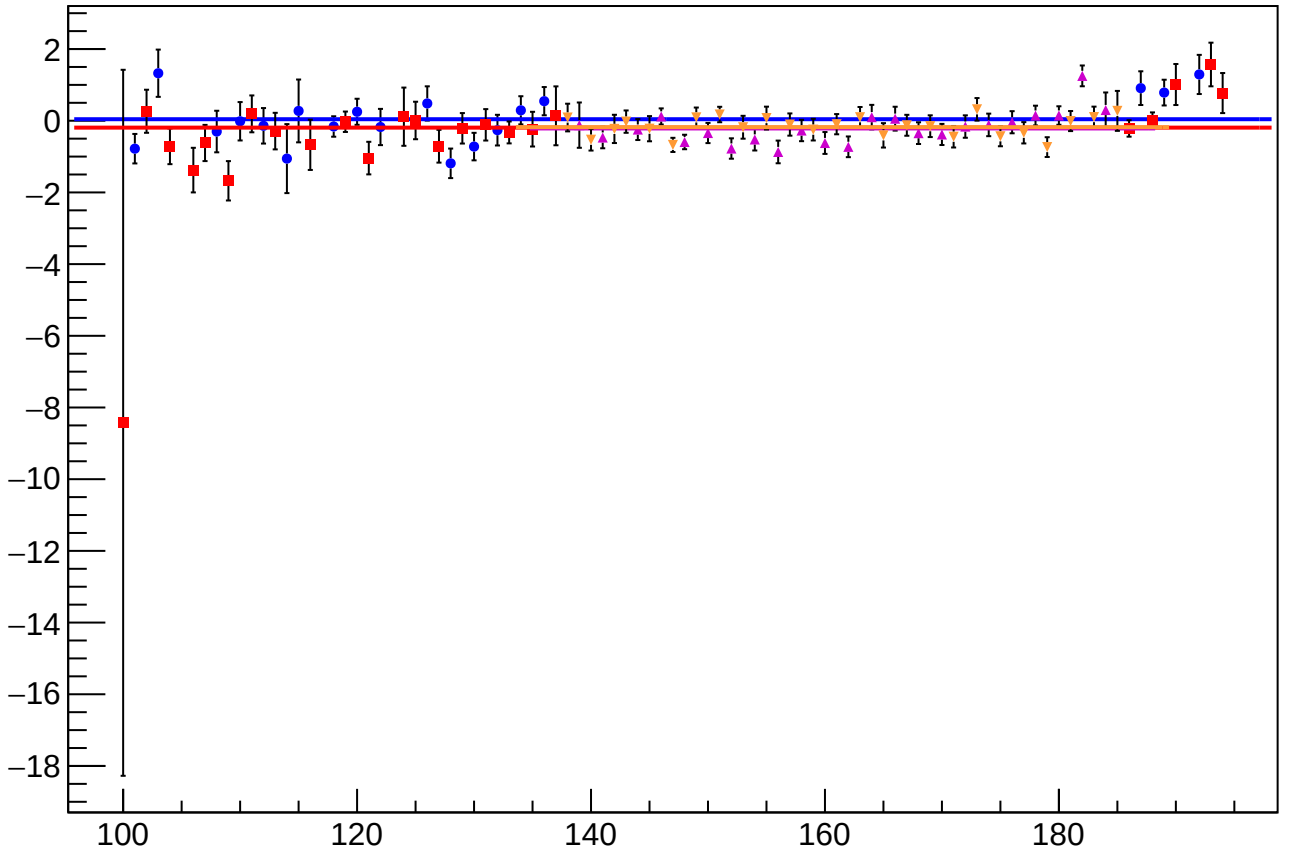
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.561+/-0.060 χ^2/NDF: 63.3/42

In: 0.211+/-0.061 χ^2/NDF:70.4/41

Out: 0.327+/-0.055 χ^2/NDF:92.9/48

All: 0.275+/-0.041 χ^2/NDF: 165.3/90



Right In: 0.042+/-0.102 χ^2/NDF: 39.9/18

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.192+/-0.089 χ^2/NDF: 37.4/23

Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

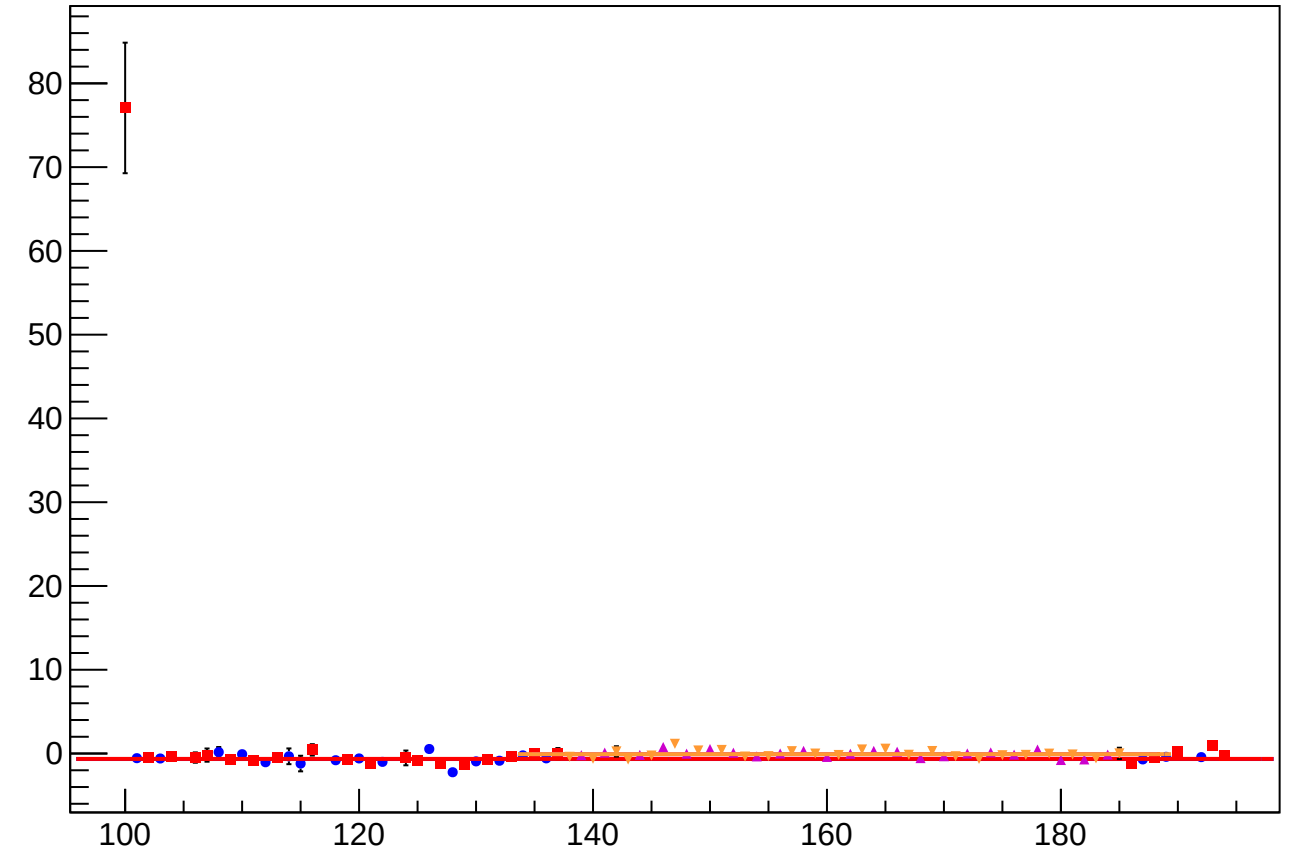
Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

Right: -0.091+/-0.067 χ^2/NDF: 80.2/42

In: -0.147+/-0.053 χ^2/NDF:98.1/41

Out: -0.184+/-0.049 χ^2/NDF:62.1/48

All: -0.167+/-0.036 χ^2/NDF: 160.5/90



Right In: -0.656+/-0.098 χ^2/NDF: 26.3/18

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.644+/-0.074 χ^2/NDF: 136.6/23

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

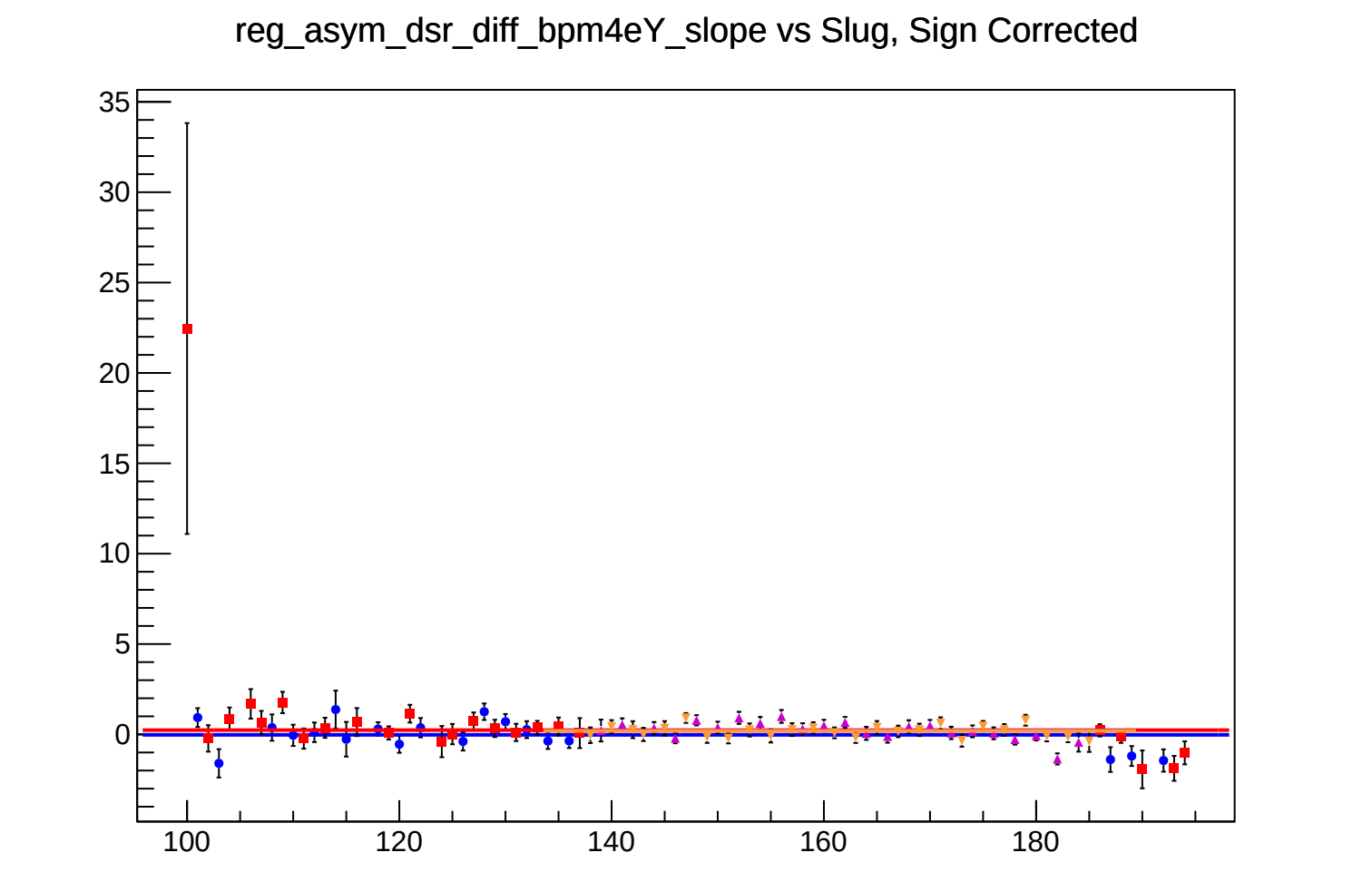
Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

Right: -0.648+/-0.059 χ^2/NDF: 163.0/42

In: -0.303+/-0.061 χ^2/NDF:76.0/41

Out: -0.371+/-0.053 χ^2/NDF:194.9/48

All: -0.342+/-0.040 χ^2/NDF: 271.6/90



Right In: -0.024+/-0.120 χ^2/NDF: 38.9/18

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.238+/-0.109 χ^2/NDF: 41.0/23

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

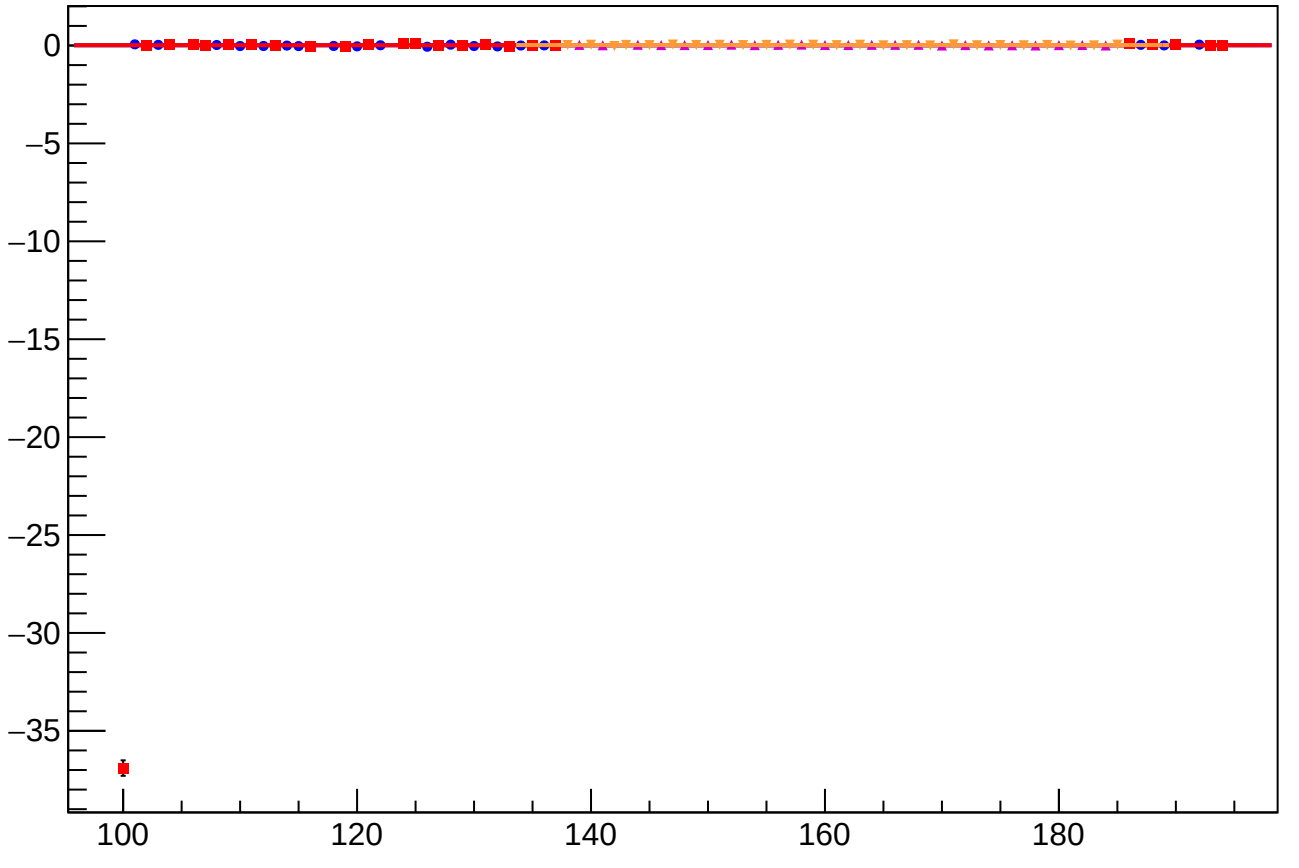
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: 0.119+/-0.081 χ^2/NDF: 82.5/42

In: 0.156+/-0.060 χ^2/NDF:96.9/41

Out: 0.205+/-0.057 χ^2/NDF:67.0/48

All: 0.182+/-0.041 χ^2/NDF: 164.3/90



Right In: 0.011+/-0.007 χ^2/NDF: 21.2/18

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.015+/-0.006 χ^2/NDF: 8775.7/23

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

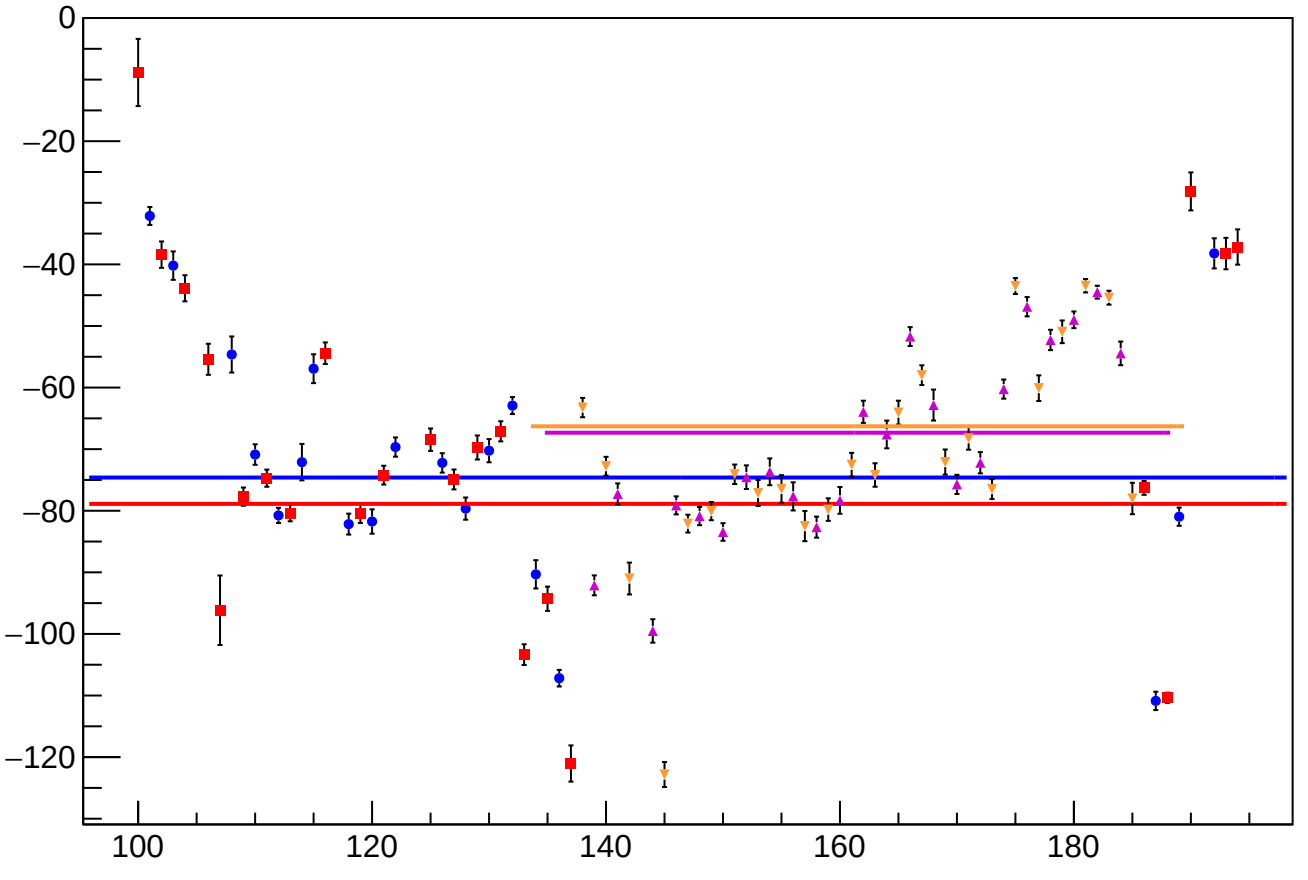
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.013+/-0.004 χ^2/NDF: 8797.0/42

In: 0.022+/-0.003 χ^2/NDF:42.4/41

Out: 0.022+/-0.003 χ^2/NDF:8807.9/48

All: 0.022+/-0.002 χ^2/NDF: 8850.4/90



Right In: -74.607+/-0.394 χ^2/NDF: 2795.8/18

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -78.882+/-0.353 χ^2/NDF: 3883.3/22

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

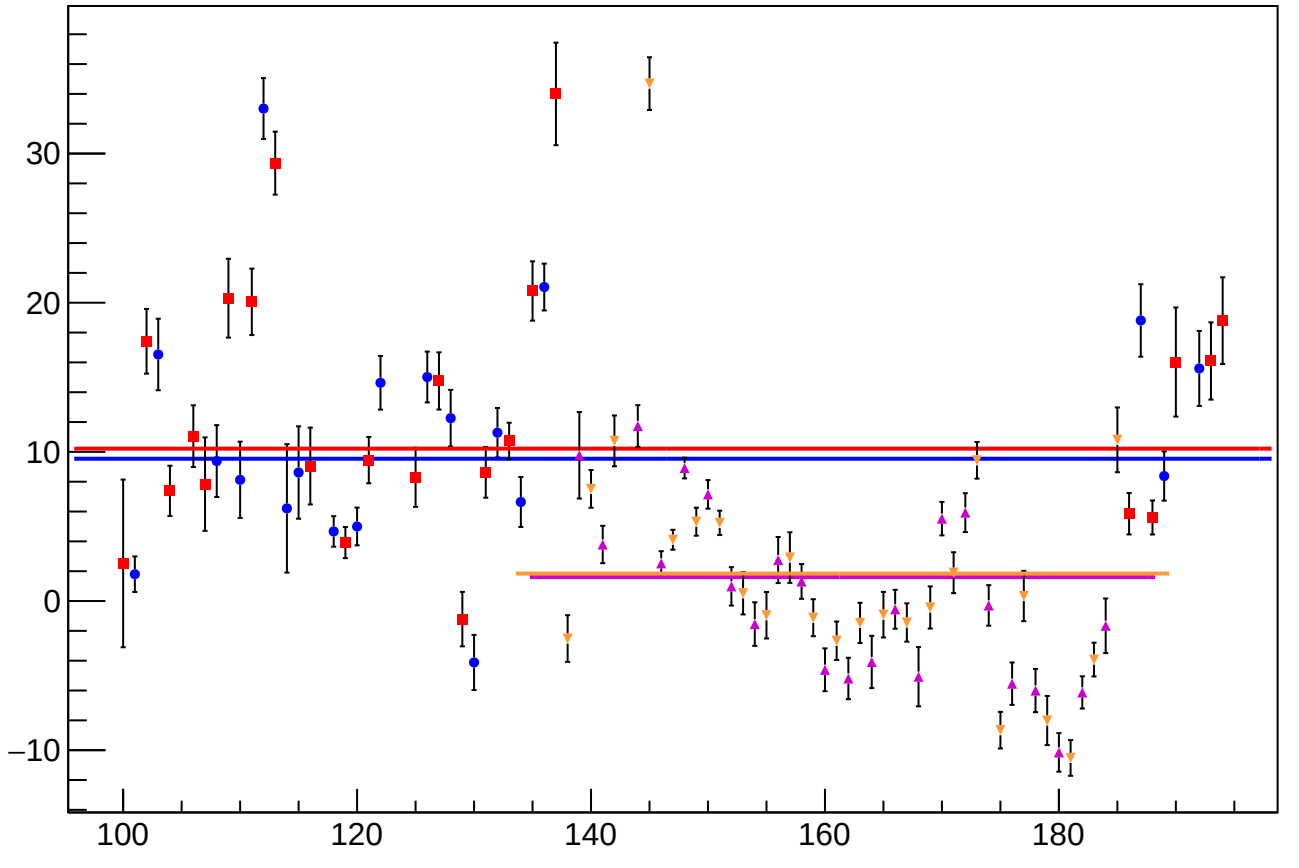
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -76.981+/-0.263 χ^2/NDF: 6744.3/41

In: -70.487+/-0.260 χ^2/NDF:5091.2/41

Out: -72.421+/-0.246 χ^2/NDF:7087.0/46

All: -71.505+/-0.179 χ^2/NDF: 12207.4/88



Right In: 9.540+/-0.401 χ^2/NDF: 373.7/18

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 10.216+/-0.384 χ^2/NDF: 335.2/22

Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

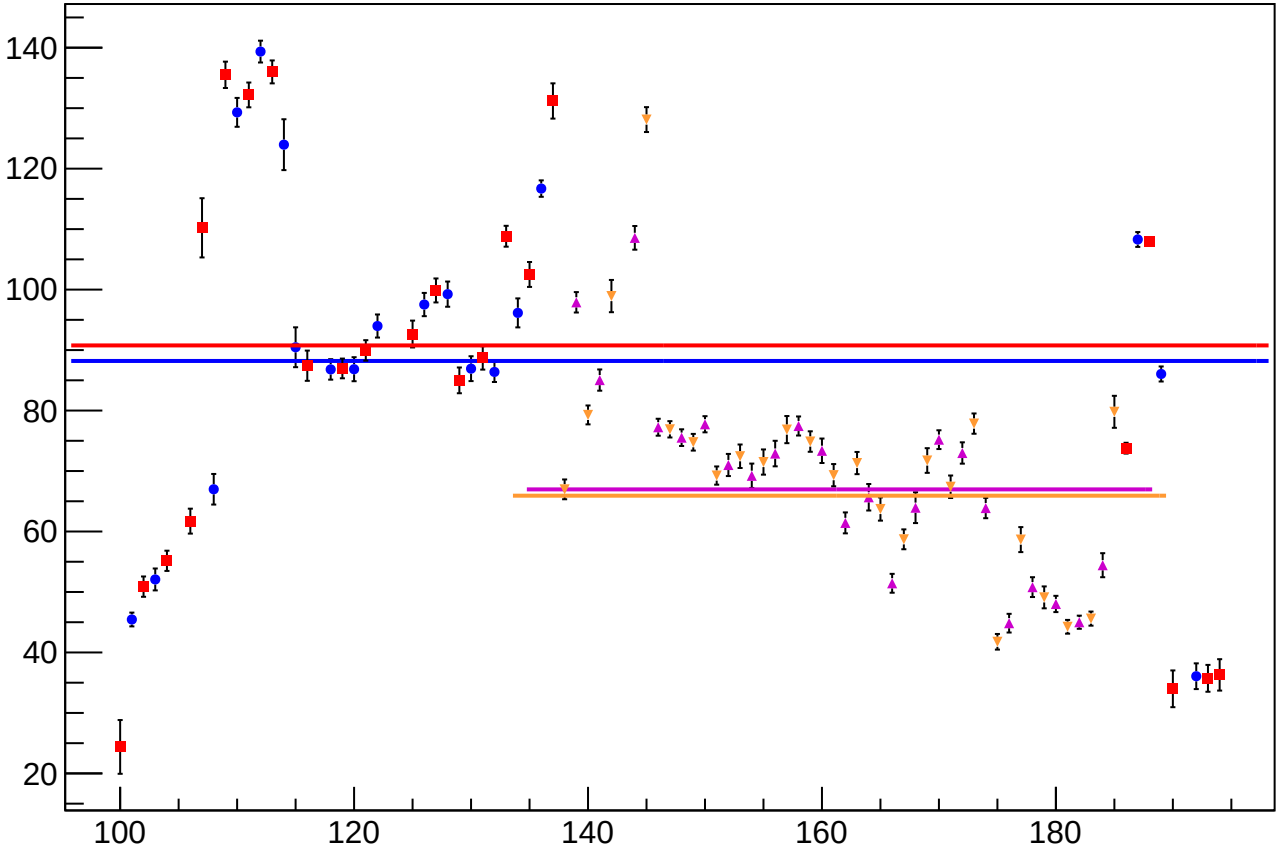
Right: 9.893+/-0.277 χ^2/NDF: 710.4/41

In: 3.936+/-0.217 χ^2/NDF:1147.3/41

Out: 4.400+/-0.212 χ^2/NDF:1447.5/46

All: 4.173+/-0.152 χ^2/NDF: 2597.2/88

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 88.200+/-0.405 χ^2/NDF: 4432.4/18

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 90.770+/-0.348 χ^2/NDF: 5655.7/22

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

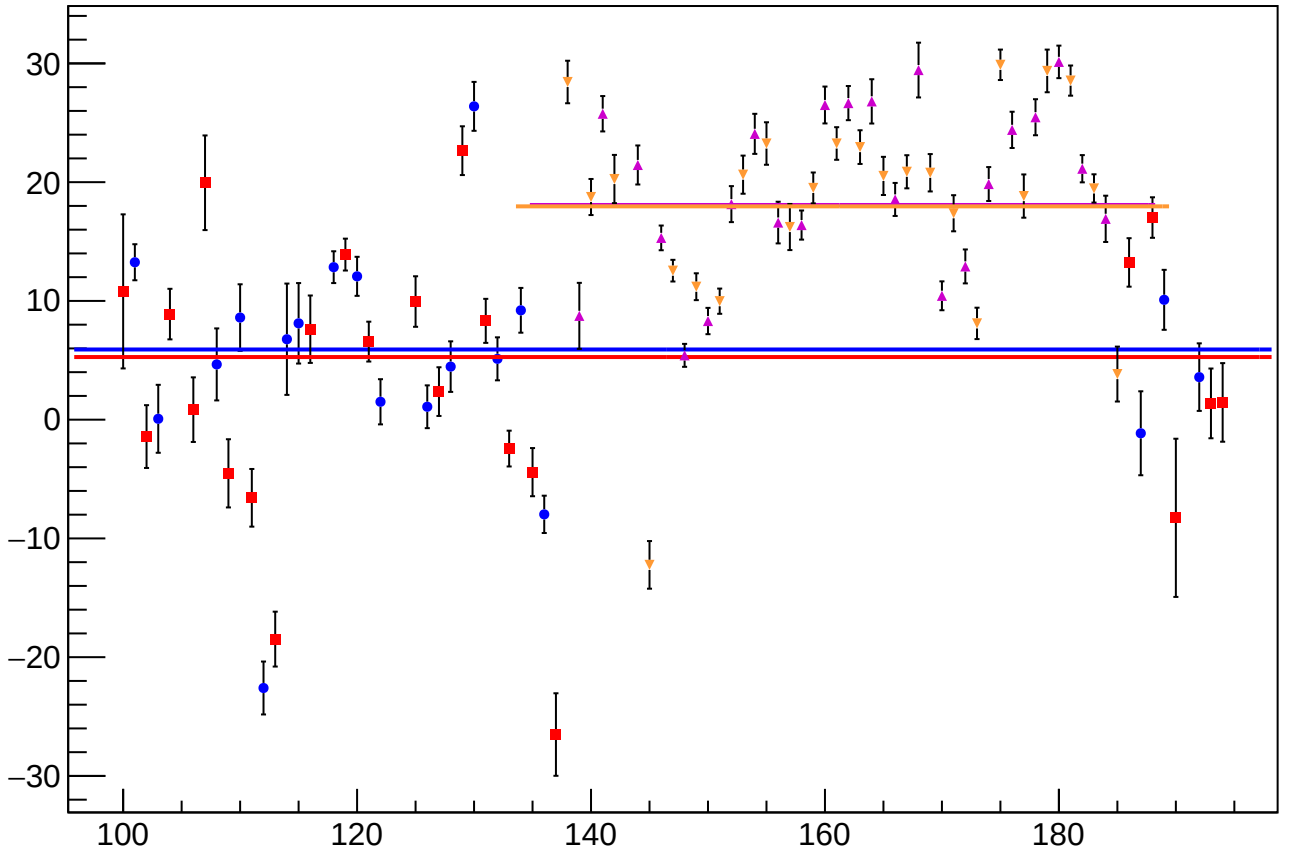
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 89.679+/-0.264 χ^2/NDF: 10111.2/41

In: 75.769+/-0.261 χ^2/NDF:8259.8/41

Out: 78.071+/-0.243 χ^2/NDF:10814.6/46

All: 77.001+/-0.178 χ^2/NDF: 19116.0/88



Right In: 5.910+/-0.474 χ^2/NDF: 434.2/18

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 5.274+/-0.463 χ^2/NDF: 493.6/22

Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

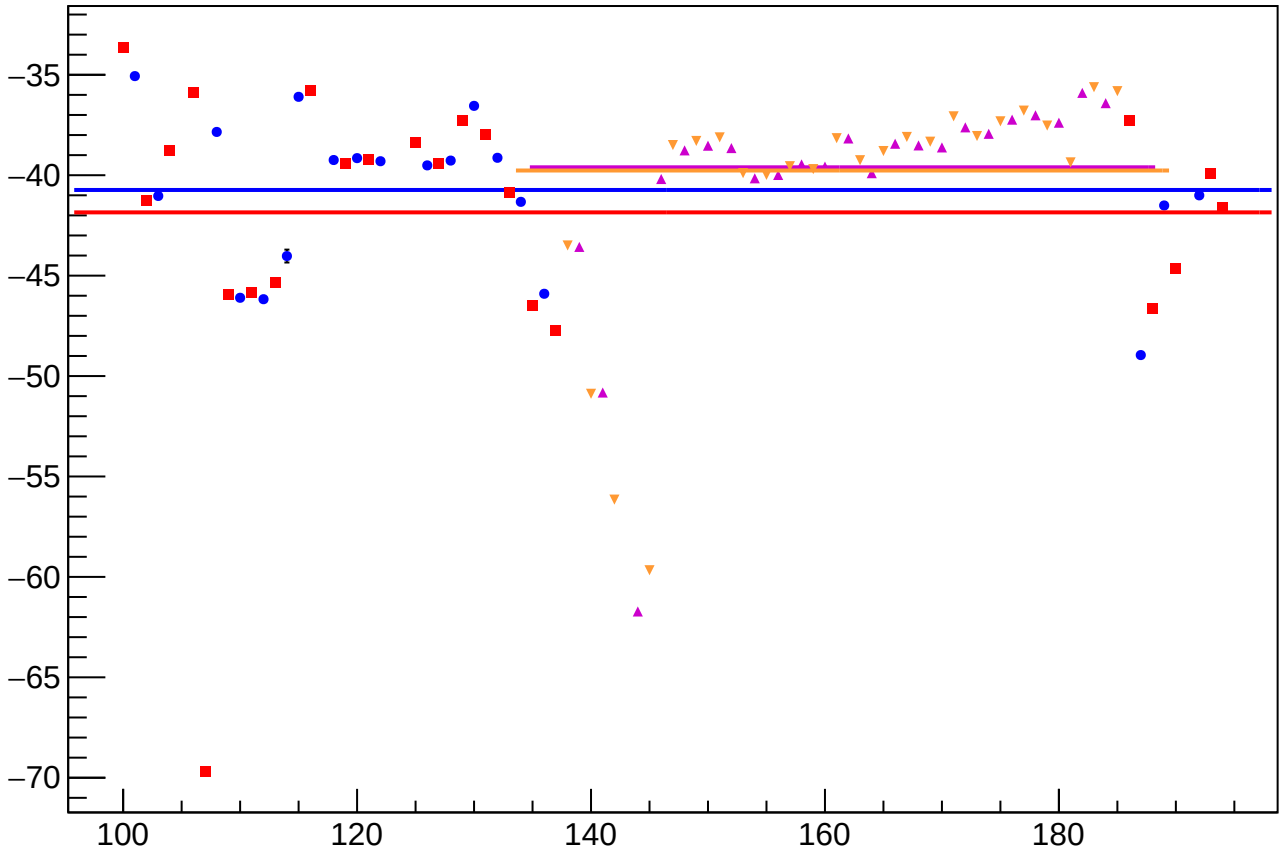
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

Right: 5.584+/-0.331 χ^2/NDF: 928.7/41

In: 14.686+/-0.250 χ^2/NDF:1514.2/41

Out: 14.354+/-0.247 χ^2/NDF:1763.1/46

All: 14.518+/-0.176 χ^2/NDF: 3278.2/88



Right In: -40.735+/-0.026 χ^2/NDF: 19995.1/18

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.850+/-0.025 χ^2/NDF: 41376.6/22

Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

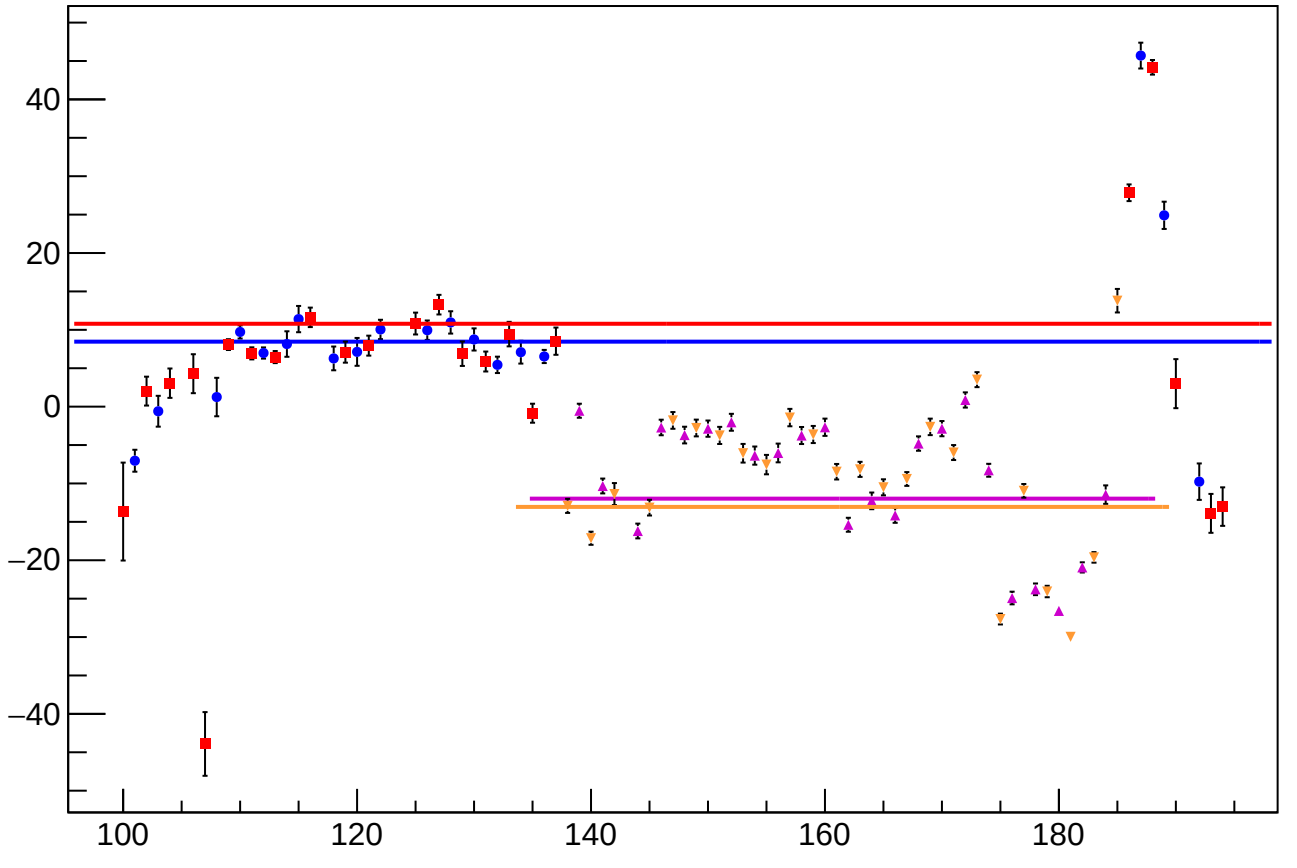
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

Right: -41.314+/-0.018 χ^2/NDF: 62324.1/41

In: -39.842+/-0.012 χ^2/NDF:128119.3/41

Out: -40.233+/-0.012 χ^2/NDF:176644.0/46

All: -40.038+/-0.008 χ^2/NDF: 305305.1/88



Right In: 8.461+/-0.297 χ^2/NDF: 813.8/18

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 10.790+/-0.271 χ^2/NDF: 2101.3/22

Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

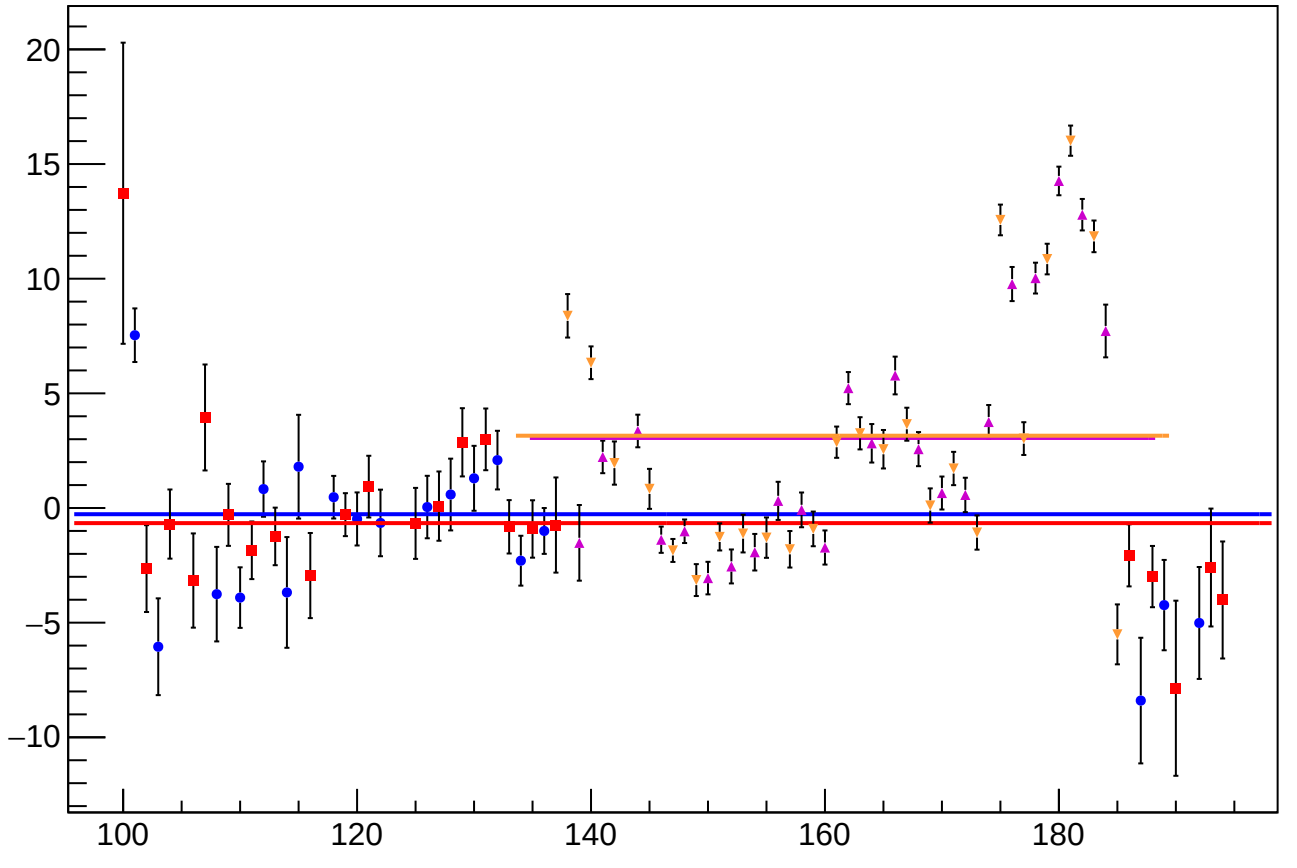
Left: -12.524+/-0.137 χ^2/NDF: 5060.1/46

Right: 9.733+/-0.200 χ^2/NDF: 2948.6/41

In: -5.812+/-0.163 χ^2/NDF:6288.3/41

Out: -5.044+/-0.157 χ^2/NDF:10109.1/46

All: -5.413+/-0.113 χ^2/NDF: 16409.0/88



Right In: -0.270+/-0.322 χ^2/NDF: 92.5/18

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -0.659+/-0.318 χ^2/NDF: 38.9/22

Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

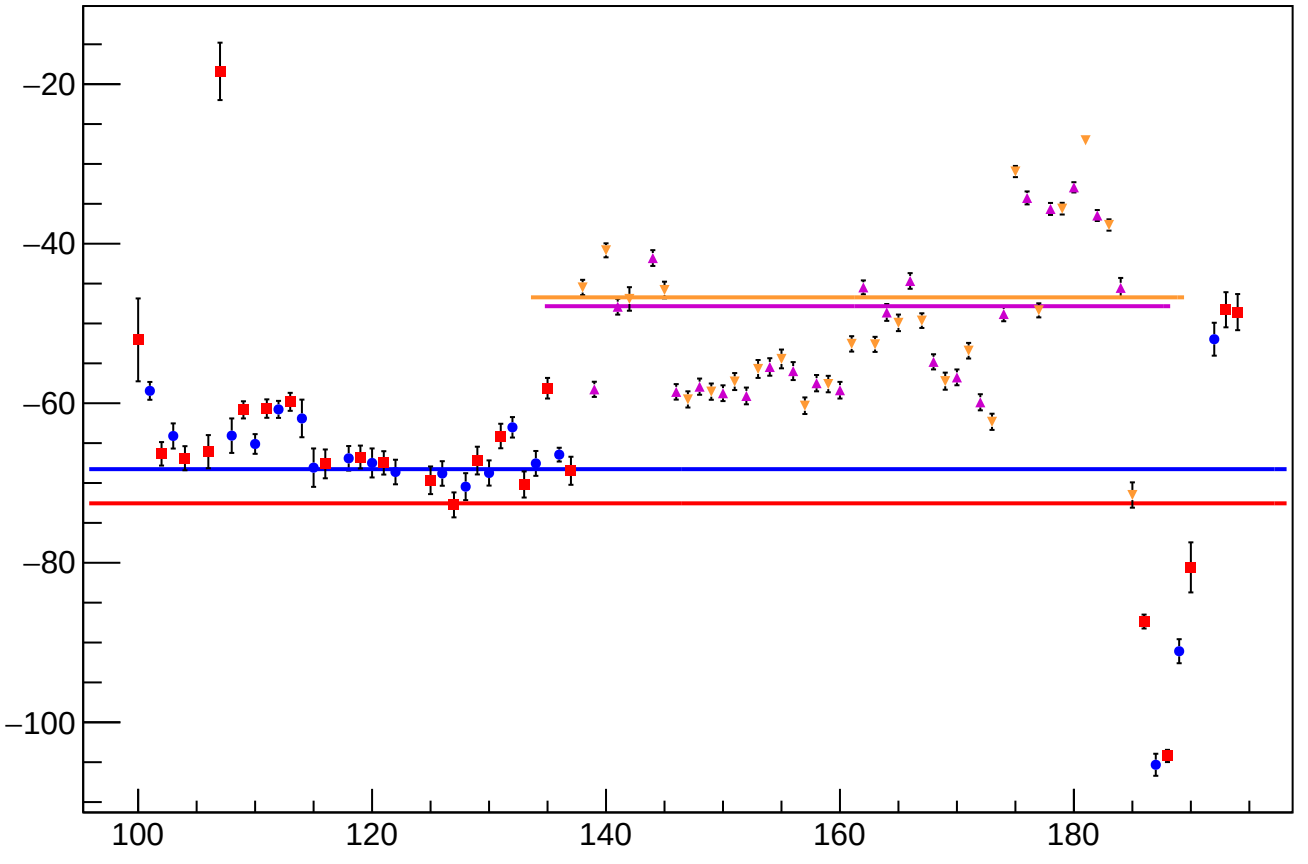
Left: 3.105+/-0.106 χ^2/NDF: 2530.3/46

Right: -0.467+/-0.226 χ^2/NDF: 132.1/41

In: 2.448+/-0.137 χ^2/NDF:1324.9/41

Out: 2.464+/-0.135 χ^2/NDF:1542.0/46

All: 2.456+/-0.096 χ^2/NDF: 2866.9/88



Right In: -68.264+/-0.330 χ^2/NDF: 1186.6/18

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -72.549+/-0.299 χ^2/NDF: 3084.0/22

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

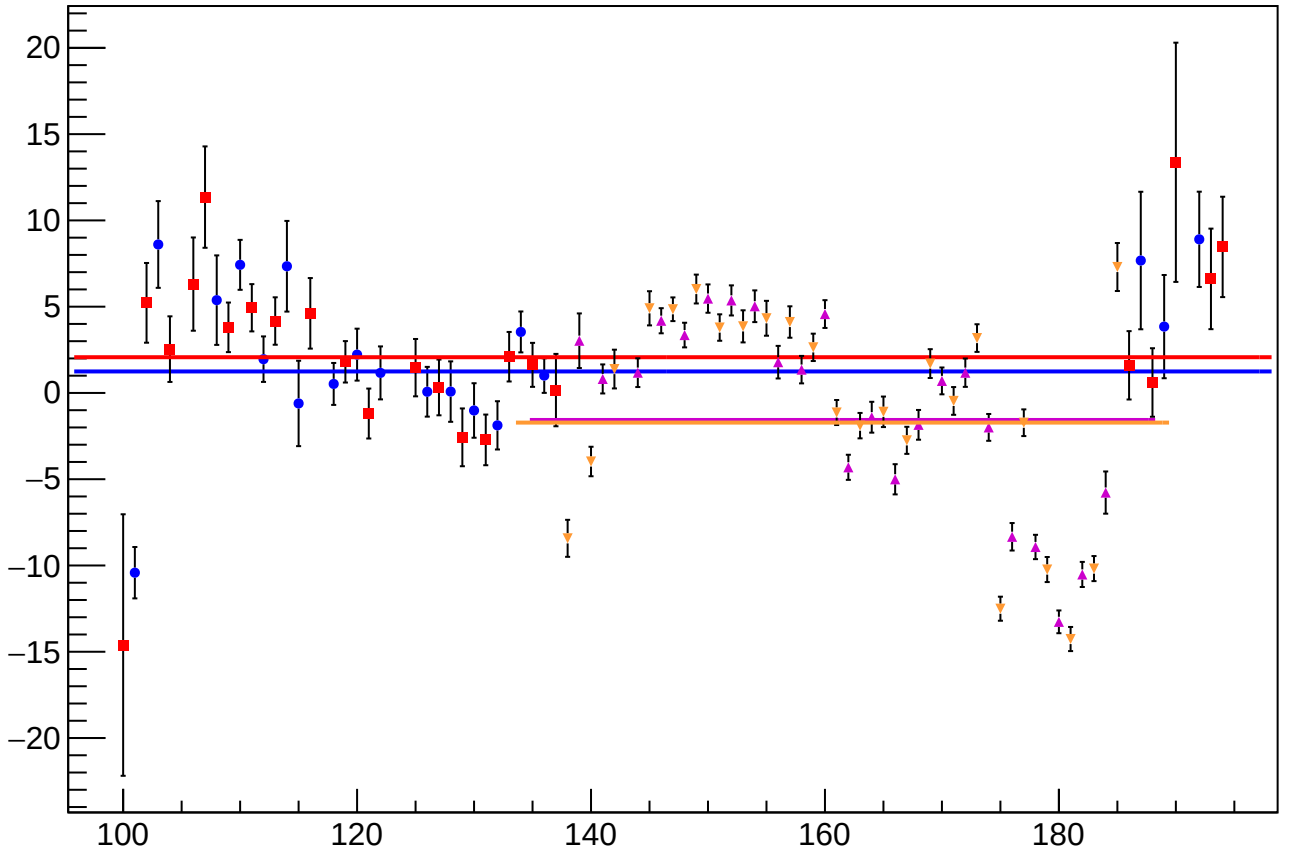
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

Right: -70.621+/-0.221 χ^2/NDF: 4363.3/41

In: -53.074+/-0.167 χ^2/NDF:6592.5/41

Out: -54.255+/-0.161 χ^2/NDF:11831.0/46

All: -53.686+/-0.116 χ^2/NDF: 18449.4/88



Right In: 1.246+/-0.368 χ^2/NDF: 120.7/18

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 2.071+/-0.369 χ^2/NDF: 65.2/22

Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

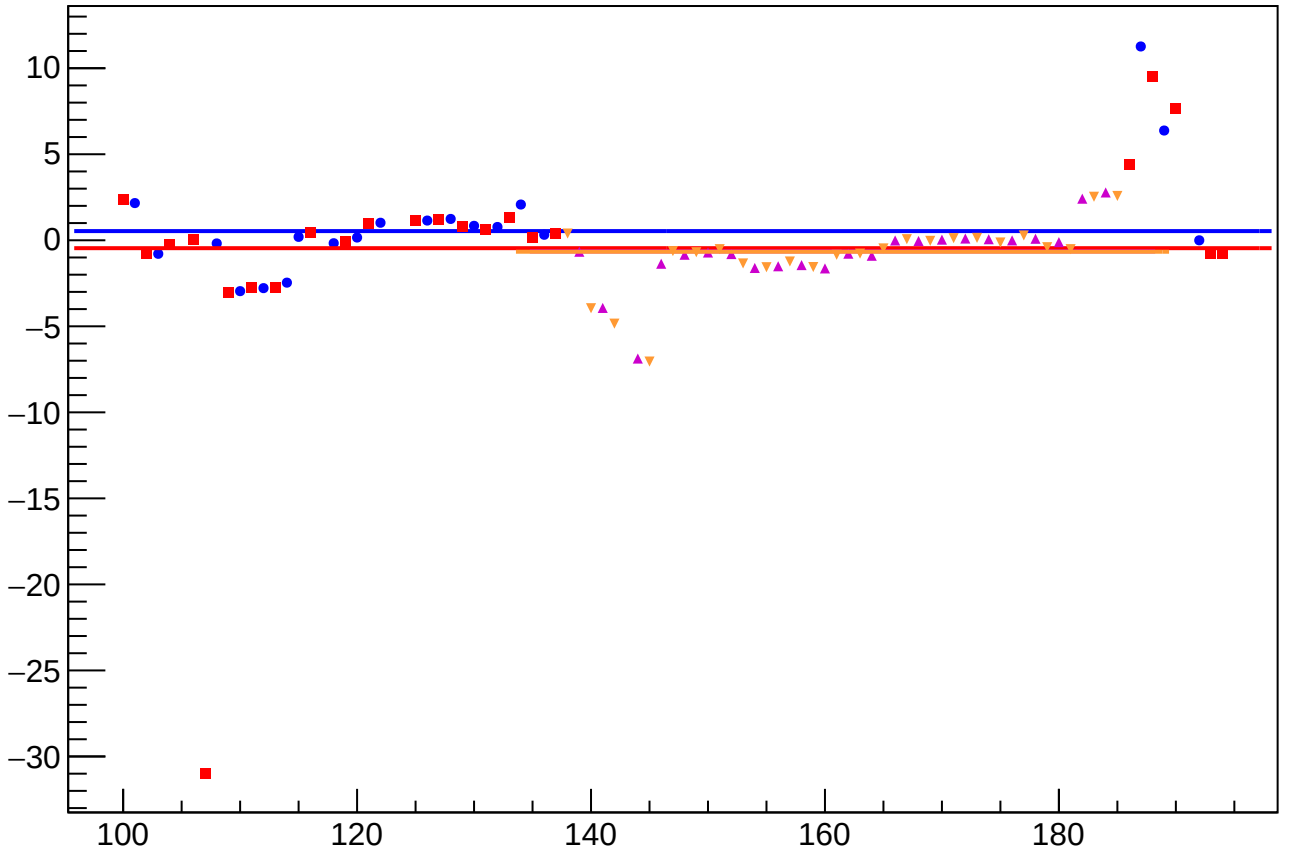
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

Right: 1.657+/-0.260 χ^2/NDF: 188.4/41

In: -1.068+/-0.155 χ^2/NDF:1286.6/41

Out: -1.068+/-0.153 χ^2/NDF:1558.7/46

All: -1.068+/-0.109 χ^2/NDF: 2845.2/88



Right In: 0.533+/-0.020 χ^2/NDF: 9420.4/18

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.459+/-0.020 χ^2/NDF: 59938.2/22

Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

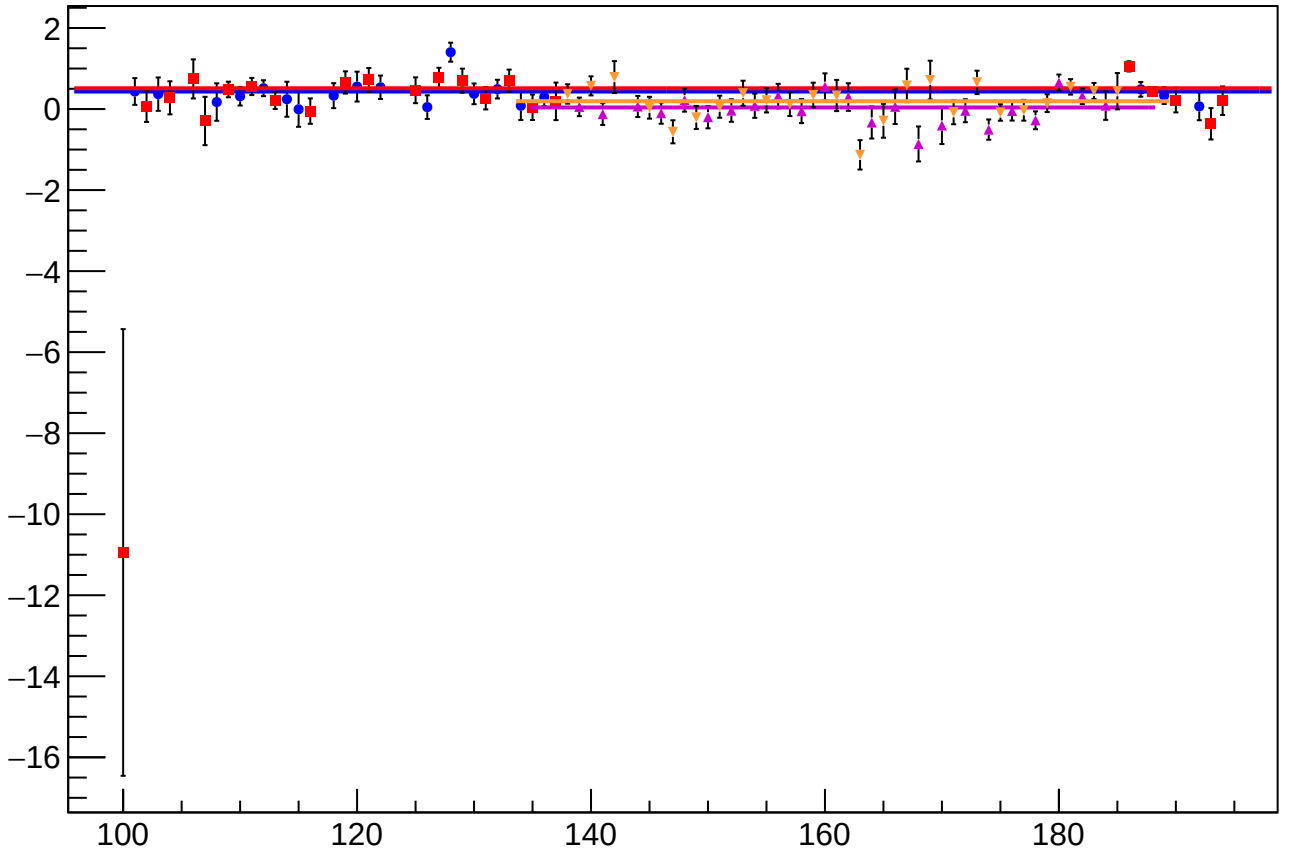
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.037+/-0.014 χ^2/NDF: 70572.6/41

In: -0.501+/-0.007 χ^2/NDF:57997.5/41

Out: -0.640+/-0.007 χ^2/NDF:115306.7/46

All: -0.571+/-0.005 χ^2/NDF: 173500.1/88



Right In: 0.433+/-0.062 χ^2/NDF: 24.2/18

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.512+/-0.051 χ^2/NDF: 45.4/22

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

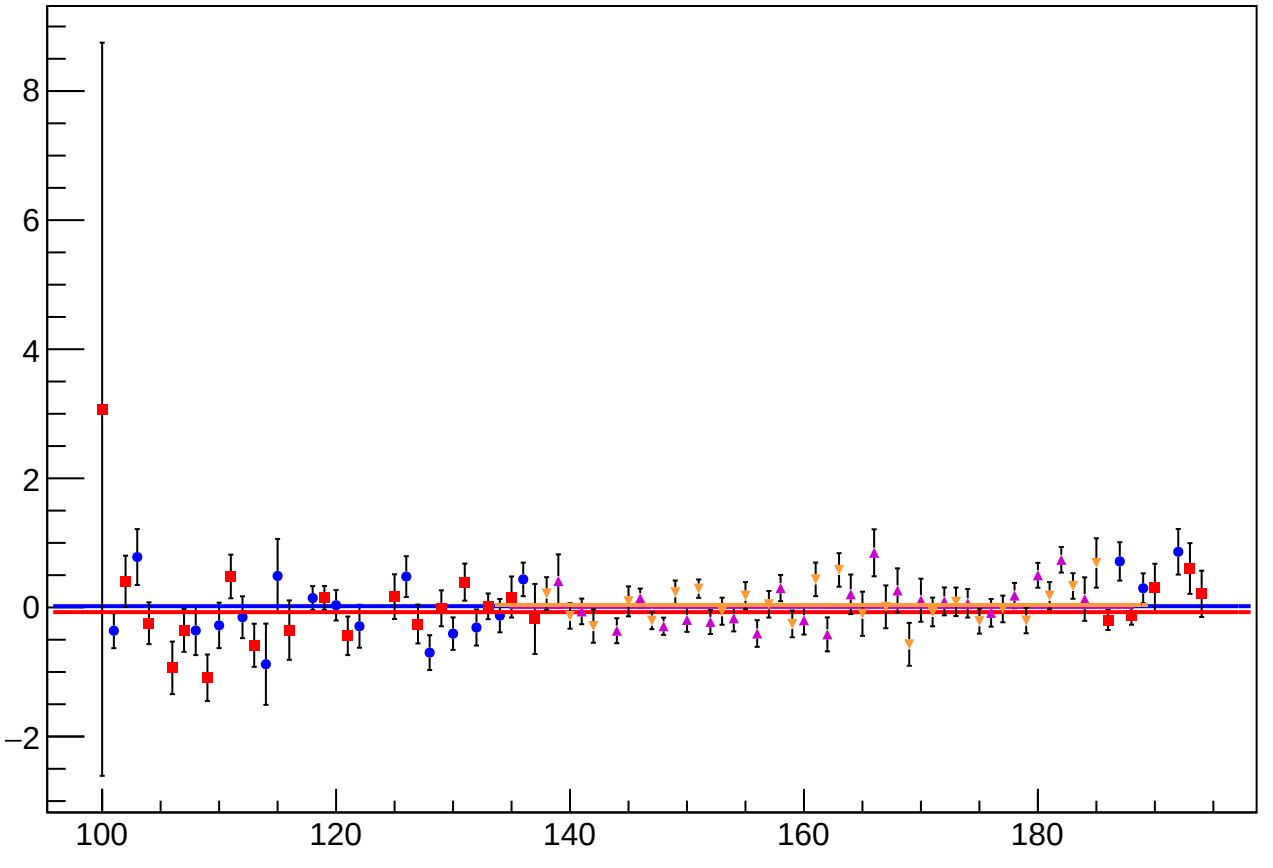
Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

Right: 0.480+/-0.039 χ^2/NDF: 70.5/41

In: 0.221+/-0.042 χ^2/NDF:76.3/41

Out: 0.370+/-0.038 χ^2/NDF:107.0/46

All: 0.304+/-0.028 χ^2/NDF: 190.2/88



Right In: 0.019+/-0.067 χ^2/NDF: 40.0/18

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: -0.073+/-0.058 χ^2/NDF: 33.3/22

Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

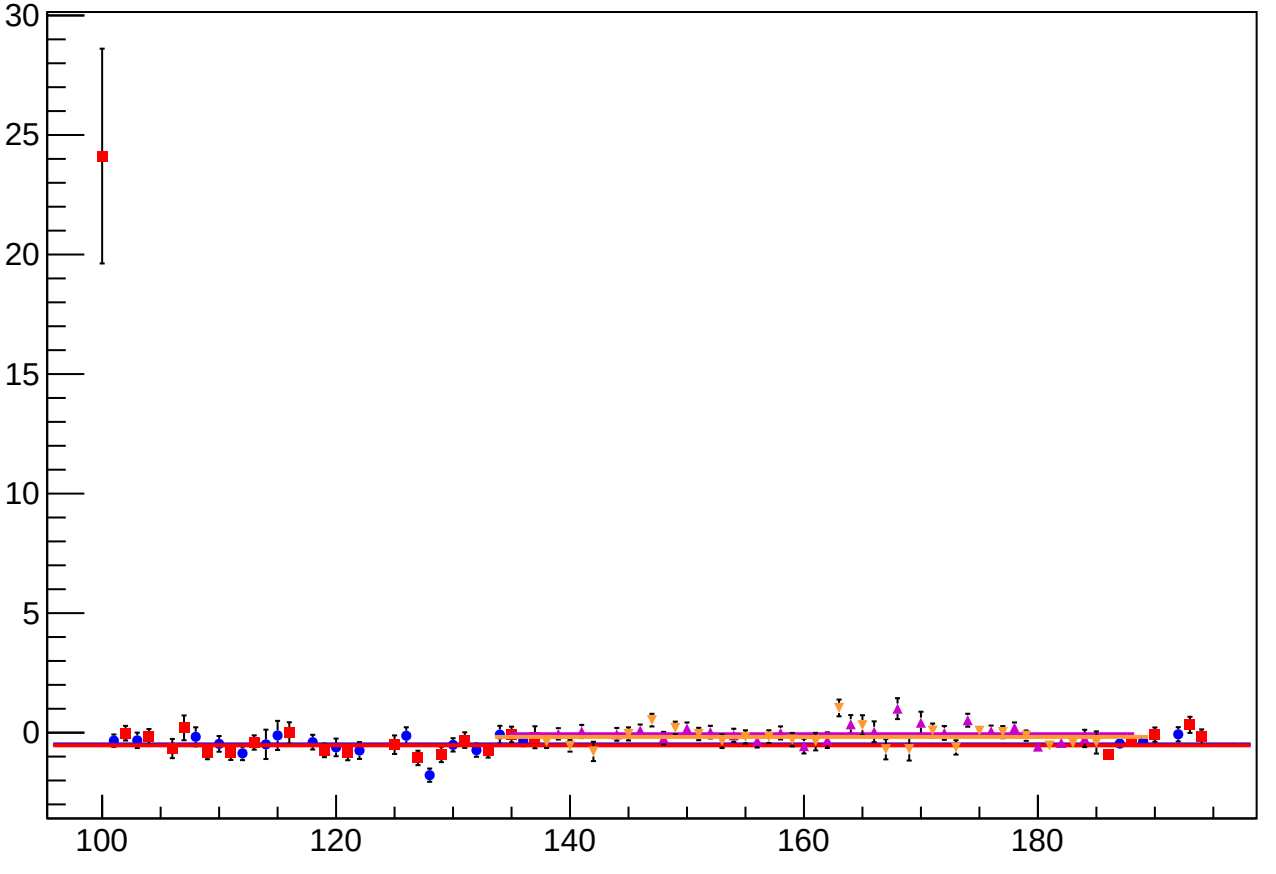
Right: -0.033+/-0.044 χ^2/NDF: 74.4/41

In: 0.012+/-0.037 χ^2/NDF:91.5/41

Out: -0.001+/-0.035 χ^2/NDF:68.4/46

All: 0.005+/-0.025 χ^2/NDF: 159.9/88

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.492+/-0.064 χ^2/NDF: 31.6/18

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.529+/-0.049 χ^2/NDF: 75.0/22

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

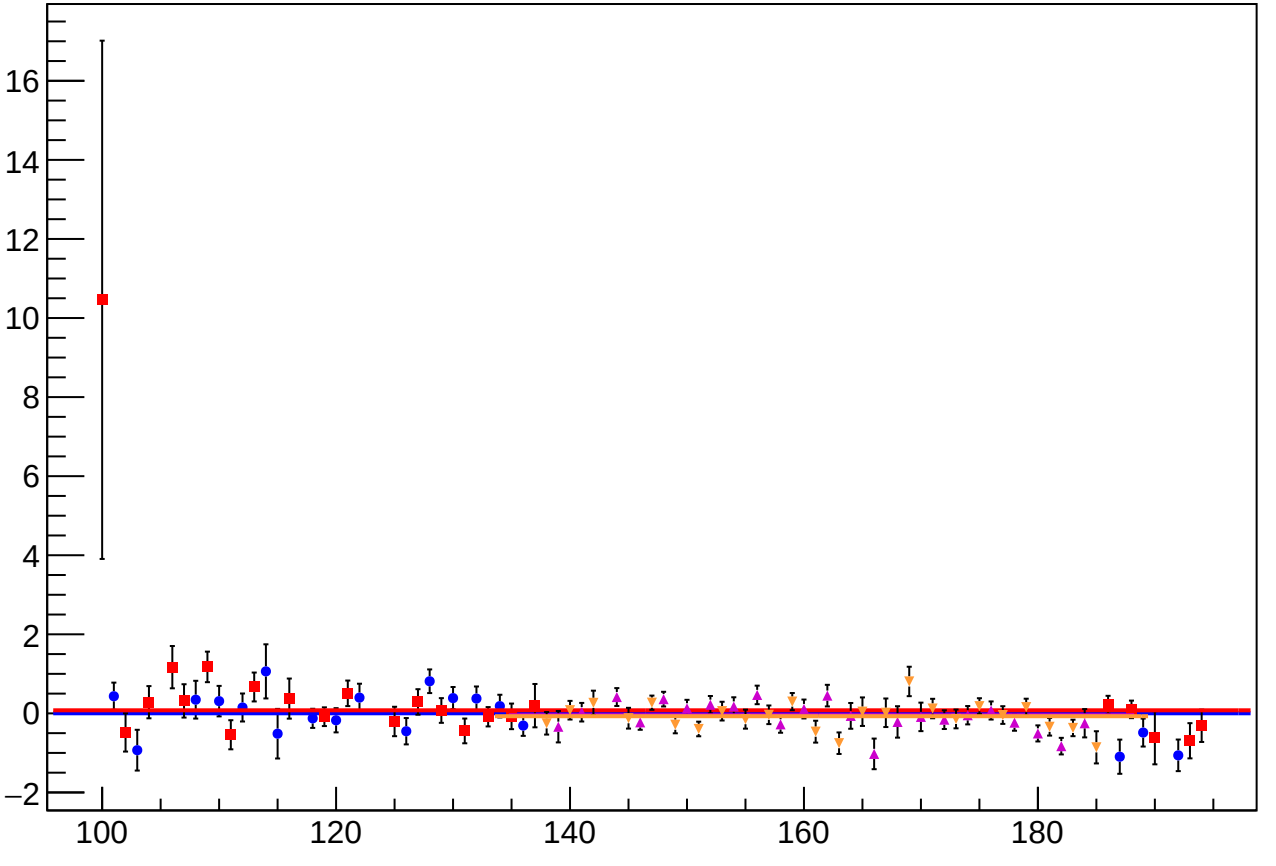
Right: -0.516+/-0.039 χ^2/NDF: 106.8/41

In: -0.255+/-0.042 χ^2/NDF:87.9/41

Out: -0.379+/-0.037 χ^2/NDF:139.5/46

All: -0.326+/-0.028 χ^2/NDF: 232.3/88

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.002+/-0.079 χ^2/NDF: 41.0/18

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: 0.078+/-0.072 χ^2/NDF: 34.5/22

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

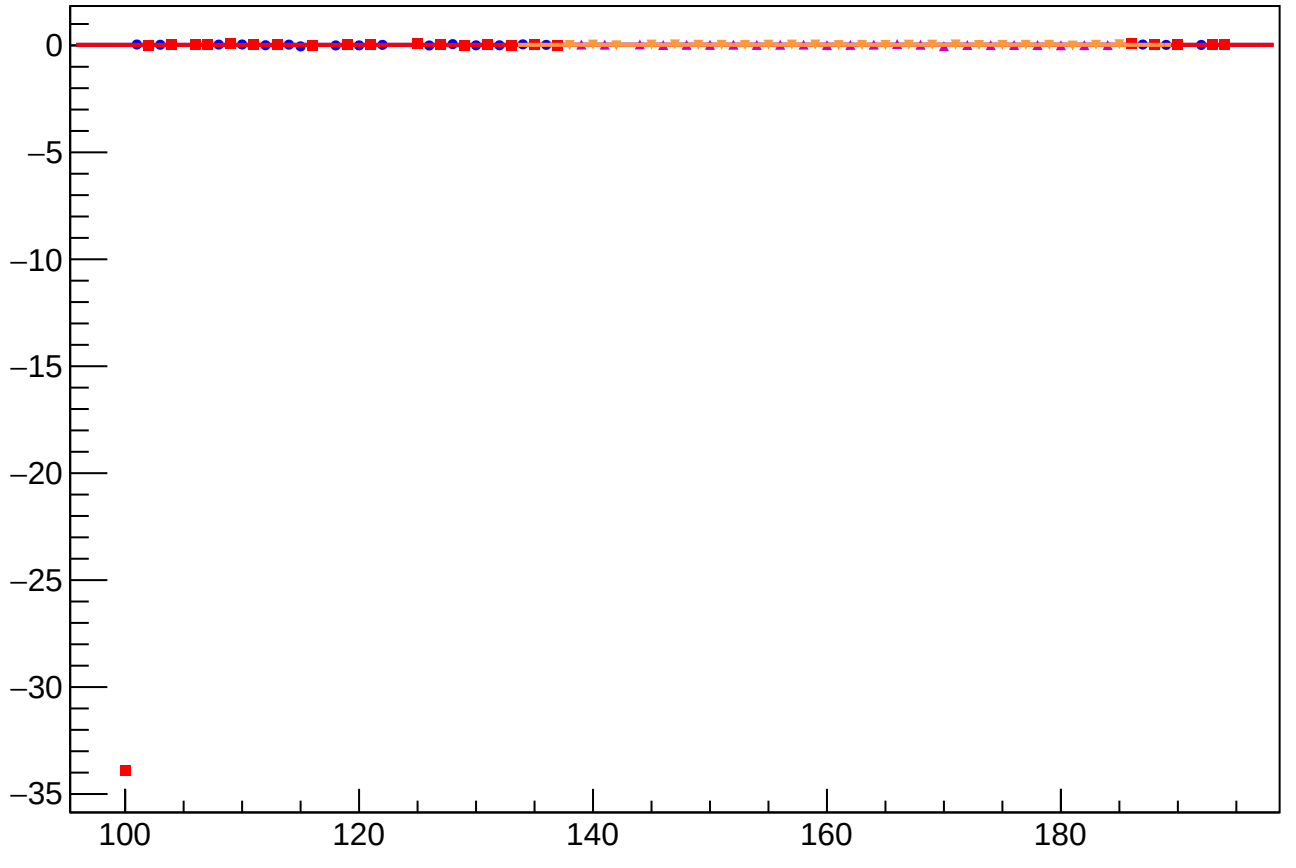
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: 0.043+/-0.053 χ^2/NDF: 76.0/41

In: -0.033+/-0.042 χ^2/NDF:91.7/41

Out: -0.024+/-0.041 χ^2/NDF:75.2/46

All: -0.028+/-0.029 χ^2/NDF: 166.9/88



Right In: 0.027+/-0.004 χ^2/NDF: 15.1/18

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.025+/-0.004 χ^2/NDF: 22304.2/22

Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

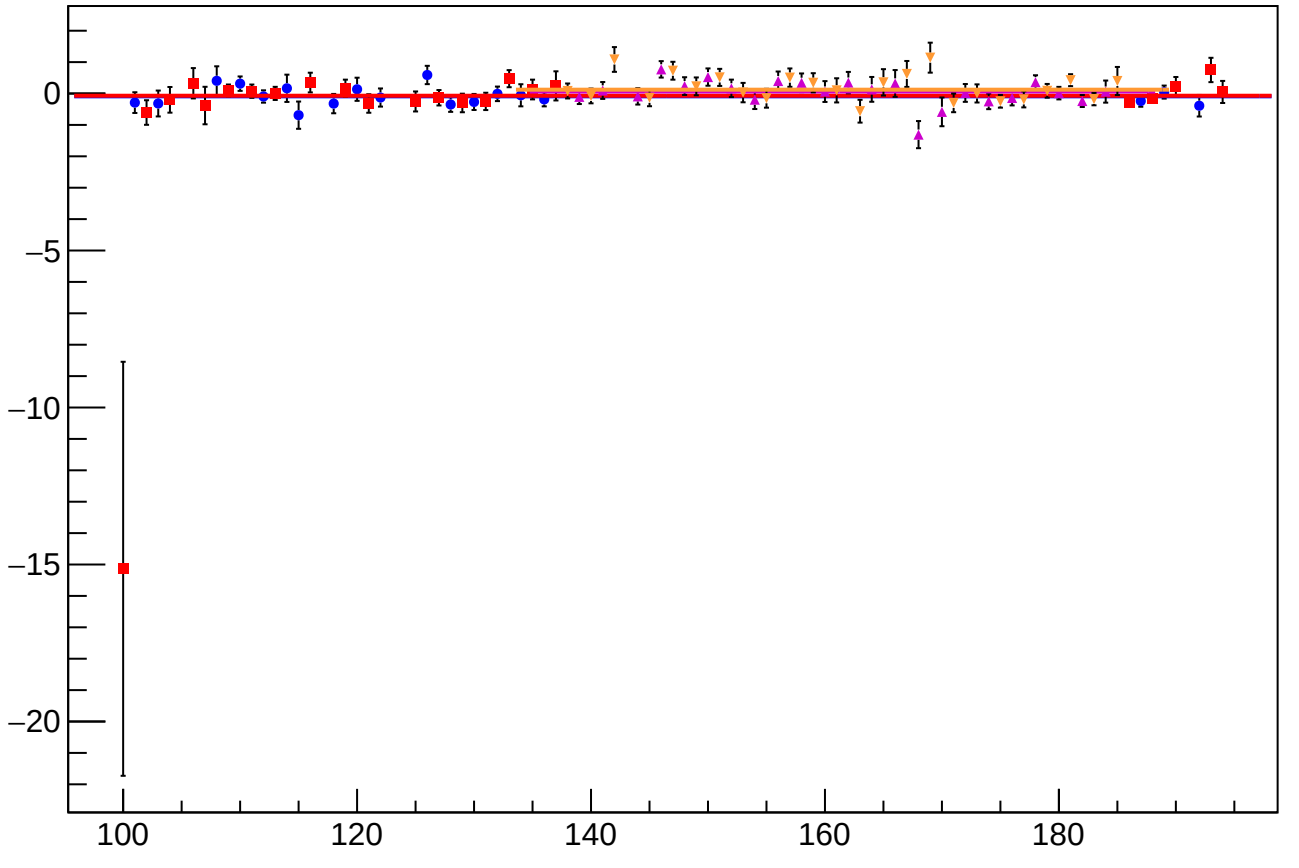
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.026+/-0.003 χ^2/NDF: 22319.5/41

In: 0.026+/-0.002 χ^2/NDF:54.6/41

Out: 0.026+/-0.002 χ^2/NDF:22335.8/46

All: 0.026+/-0.001 χ^2/NDF: 22390.5/88



Right In: -0.090+/-0.062 χ^2/NDF: 17.4/18

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.071+/-0.051 χ^2/NDF: 28.5/22

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

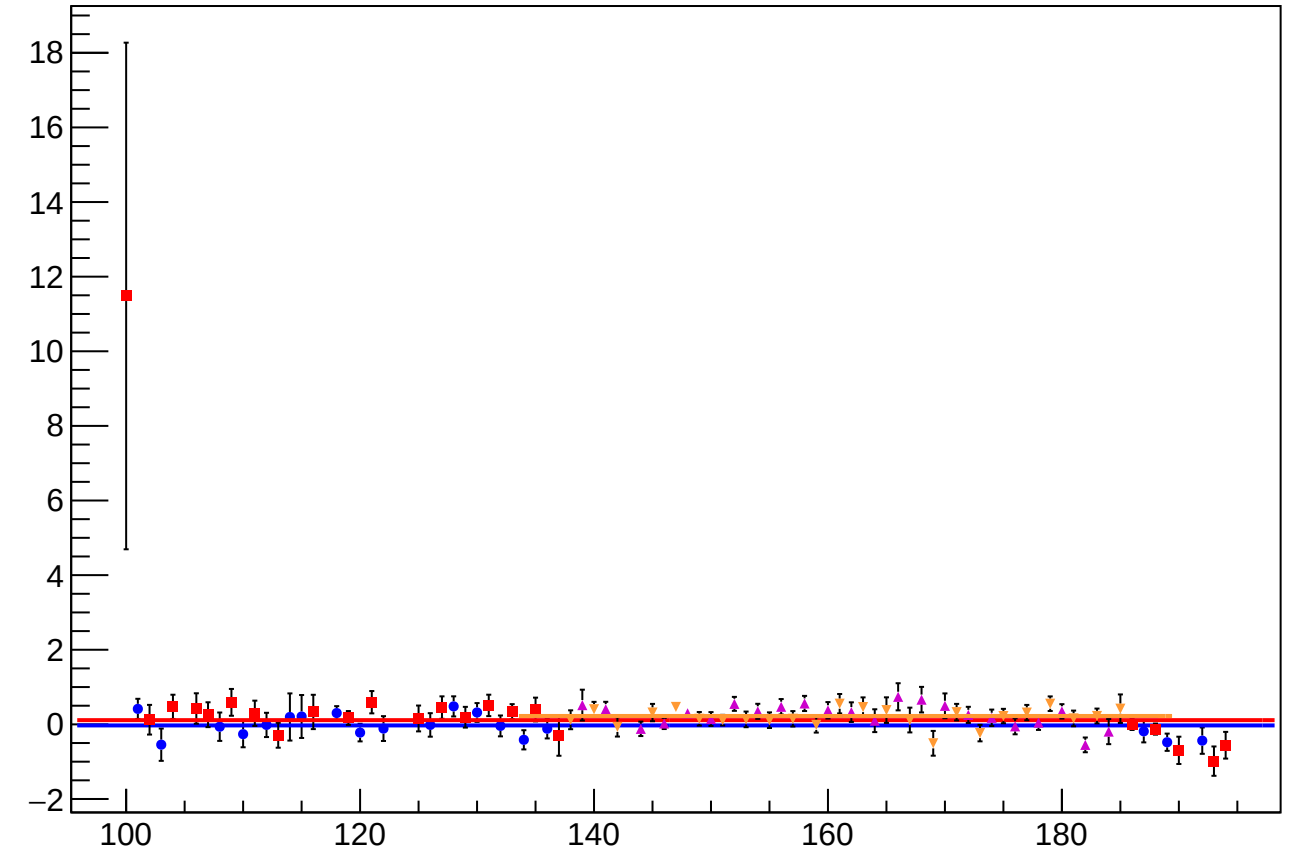
Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

Right: -0.078+/-0.039 χ^2/NDF: 46.0/41

In: -0.008+/-0.042 χ^2/NDF:55.0/41

Out: 0.015+/-0.038 χ^2/NDF:74.5/46

All: 0.005+/-0.028 χ^2/NDF: 129.6/88



Right In: -0.028+/-0.067 χ^2/NDF: 22.1/18

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.113+/-0.058 χ^2/NDF: 36.5/22

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

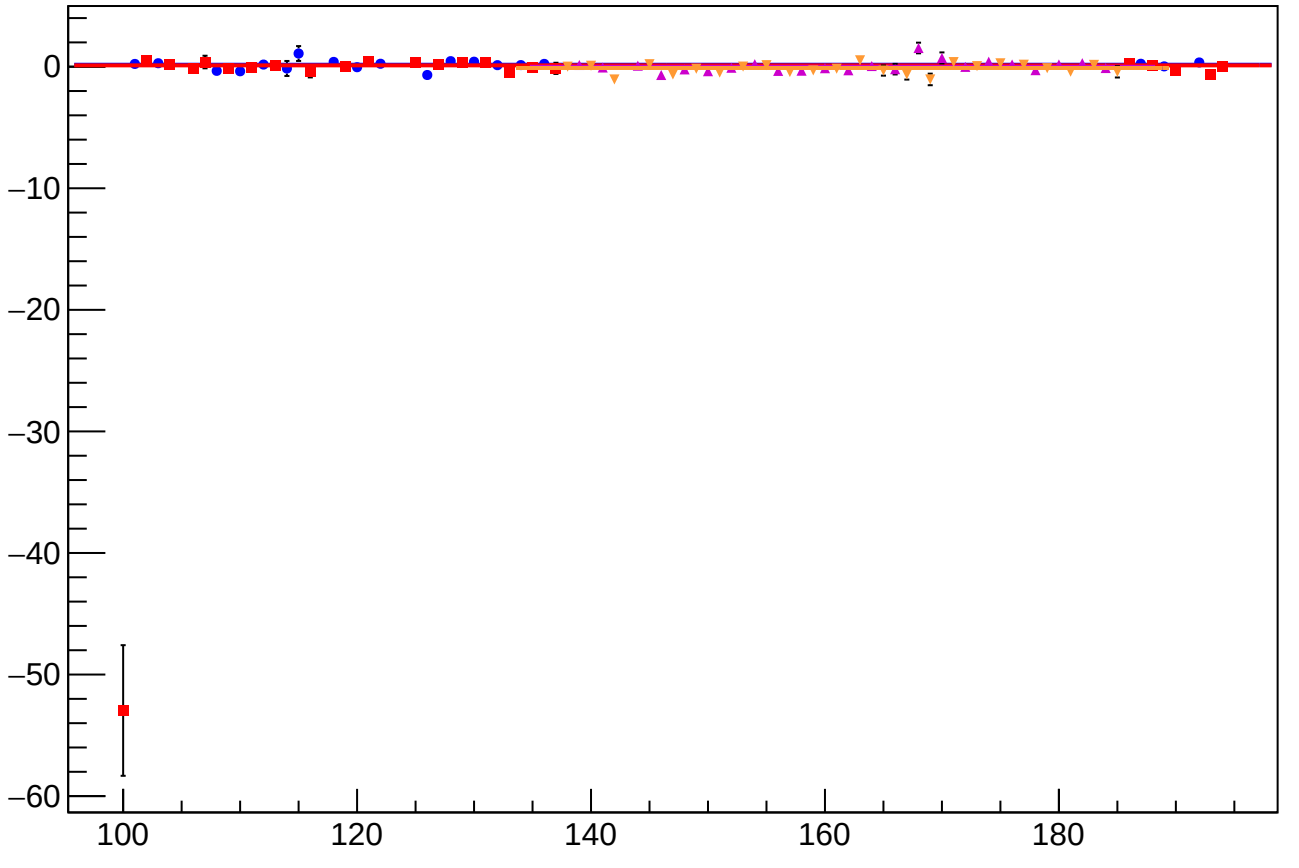
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: 0.052+/-0.044 χ^2/NDF: 61.1/41

In: 0.145+/-0.037 χ^2/NDF:71.2/41

Out: 0.185+/-0.035 χ^2/NDF:63.0/46

All: 0.166+/-0.025 χ^2/NDF: 134.8/88



Right In: 0.162+/-0.064 χ^2/NDF: 16.9/18

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.111+/-0.049 χ^2/NDF: 118.4/22

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

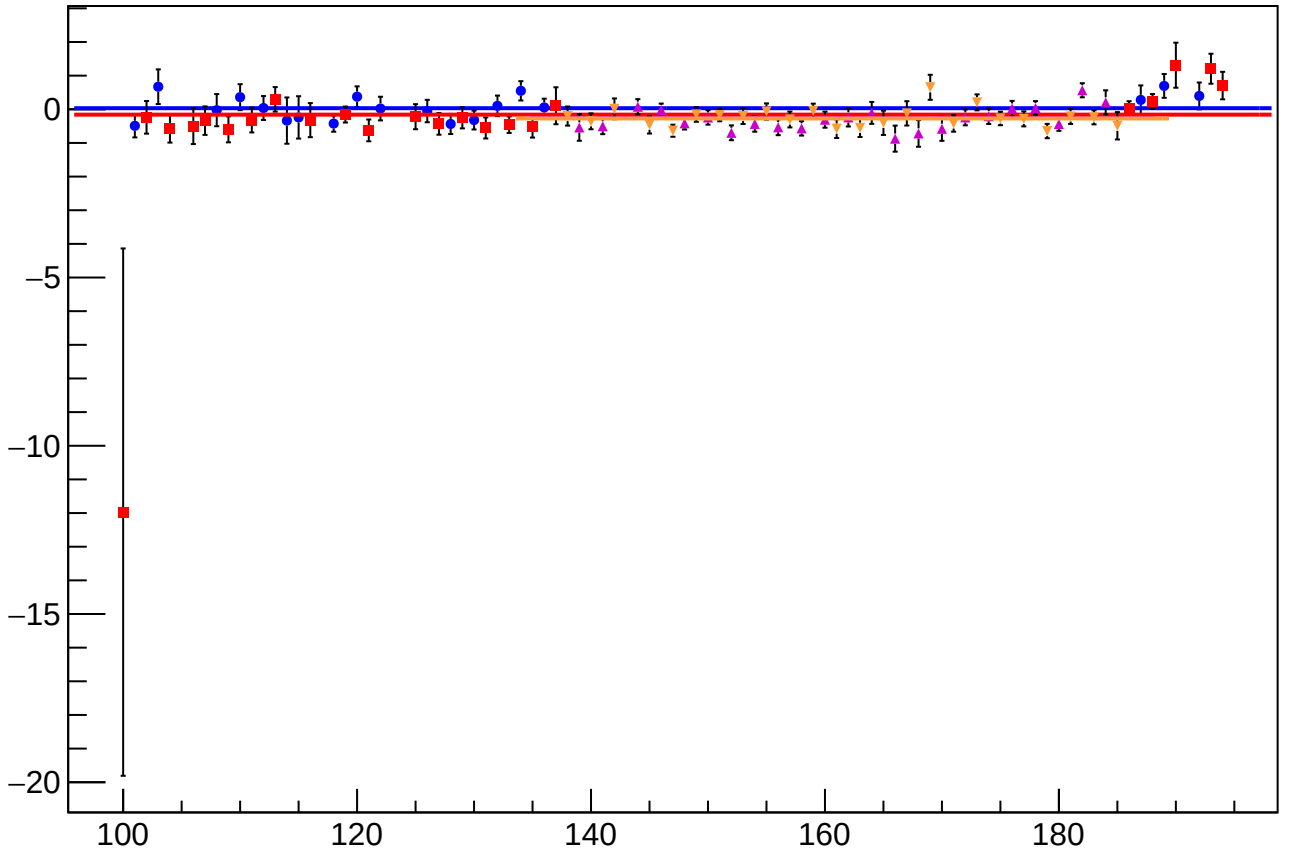
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.129+/-0.039 χ^2/NDF: 135.6/41

In: 0.067+/-0.042 χ^2/NDF:58.9/41

Out: 0.019+/-0.037 χ^2/NDF:164.4/46

All: 0.039+/-0.028 χ^2/NDF: 224.0/88



Right In: 0.032+/-0.079 χ^2/NDF: 22.0/18

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.159+/-0.072 χ^2/NDF: 36.8/22

Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

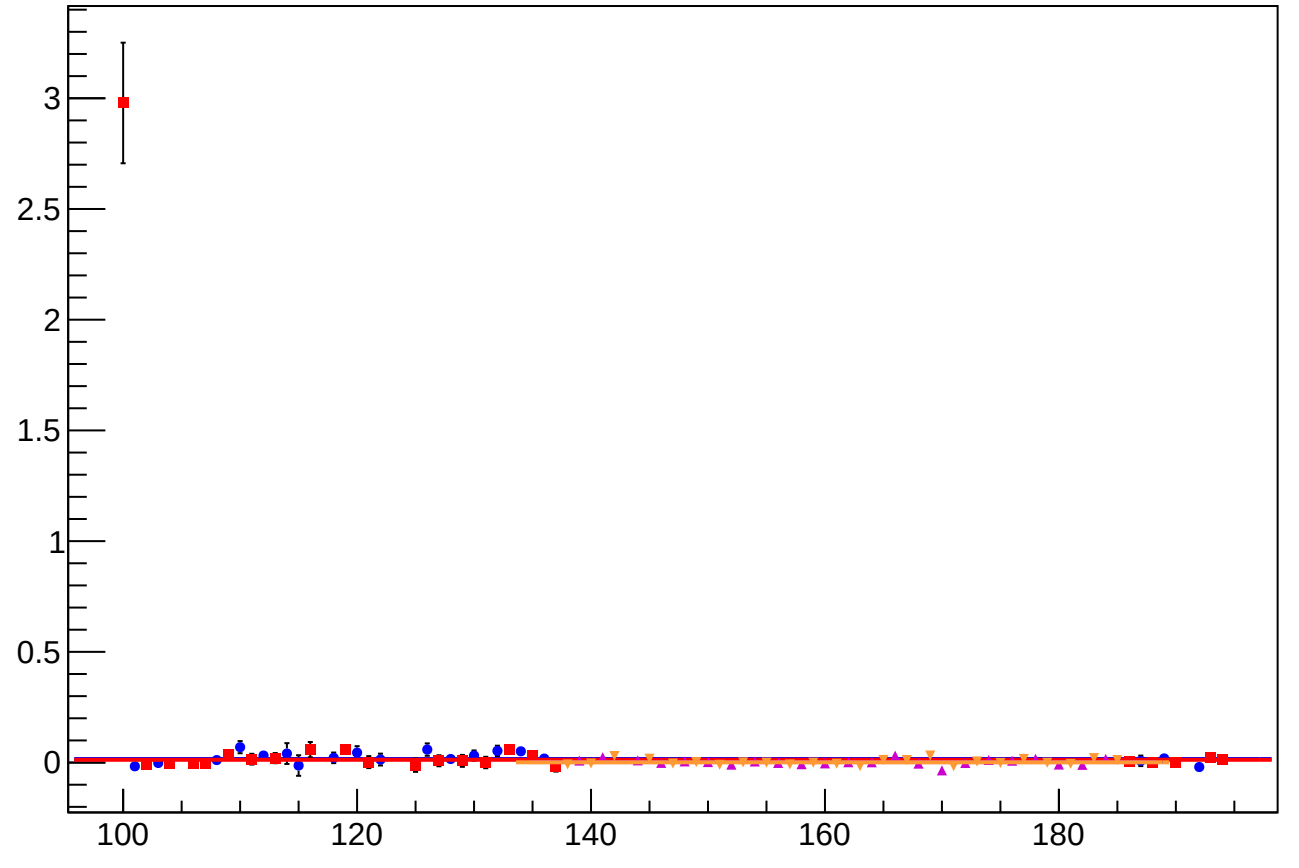
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: -0.071+/-0.053 χ^2/NDF: 62.0/41

In: -0.171+/-0.042 χ^2/NDF:72.0/41

Out: -0.236+/-0.041 χ^2/NDF:63.3/46

All: -0.205+/-0.029 χ^2/NDF: 136.6/88



Right In: 0.016+/-0.004 χ^2/NDF: 32.0/18

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.013+/-0.004 χ^2/NDF: 143.2/22

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

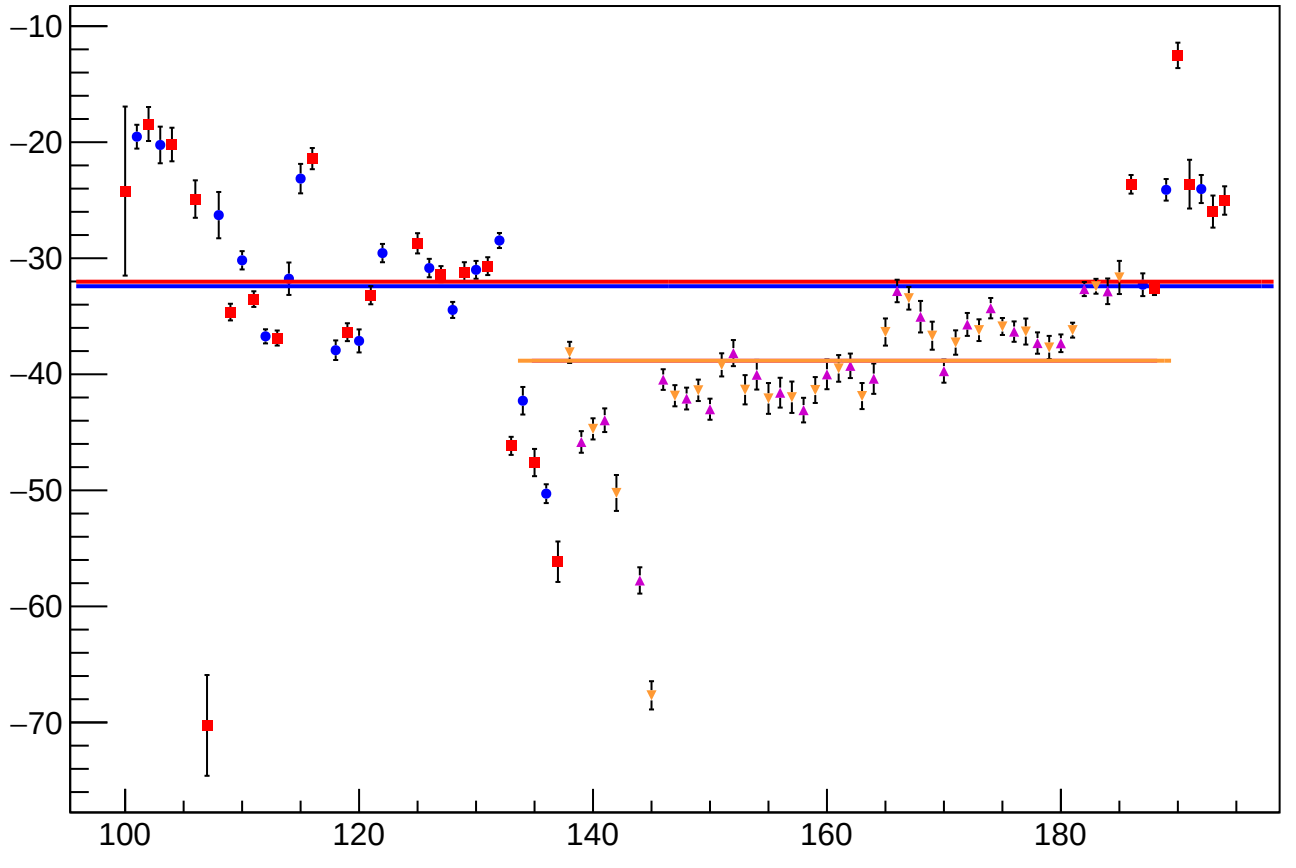
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.014+/-0.003 χ^2/NDF: 175.5/41

In: 0.005+/-0.002 χ^2/NDF:64.7/41

Out: 0.004+/-0.002 χ^2/NDF:176.5/46

All: 0.005+/-0.001 χ^2/NDF: 241.4/88



Right In: -32.412+/-0.204 χ^2/NDF: 1153.3/18

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -32.019+/-0.186 χ^2/NDF: 1707.5/23

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

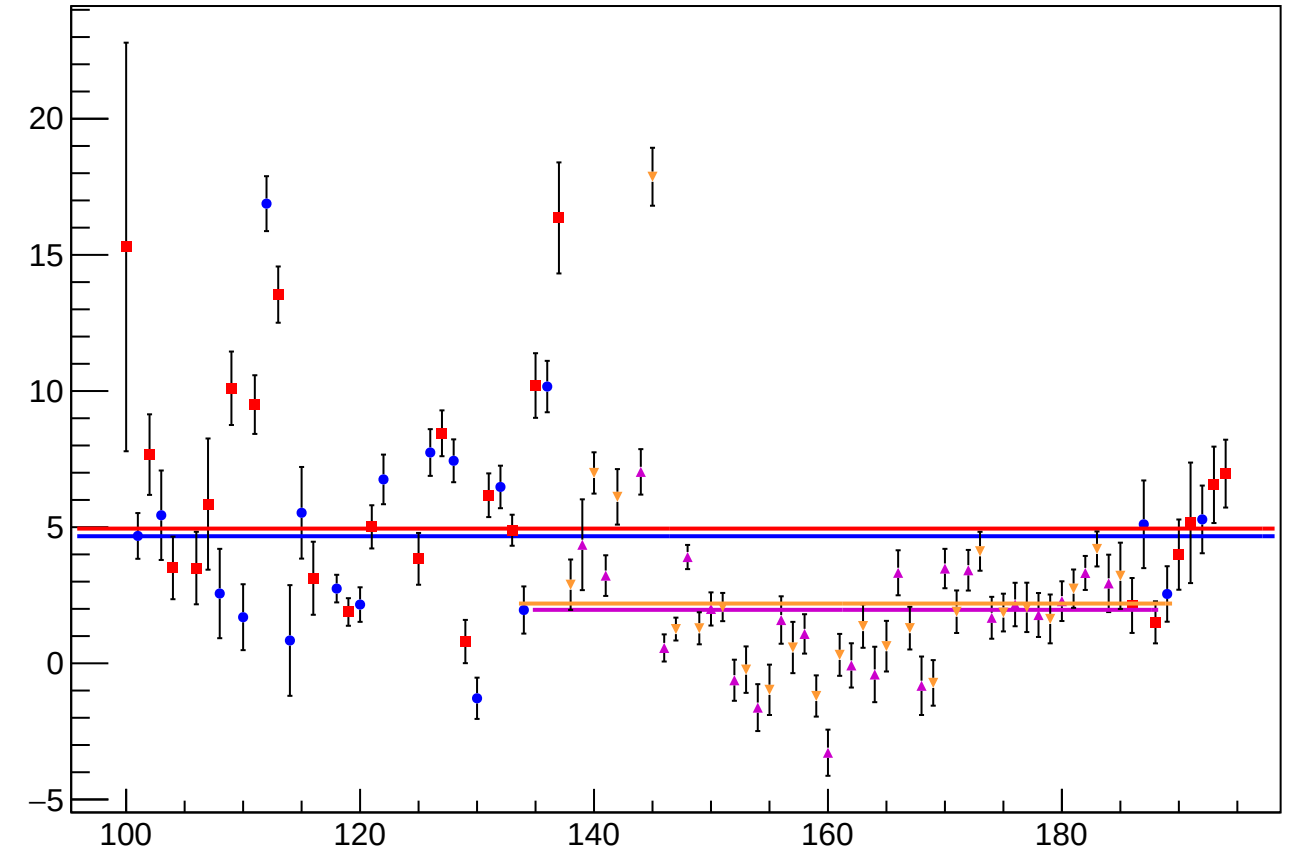
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -32.198+/-0.138 χ^2/NDF: 2862.8/42

In: -35.641+/-0.144 χ^2/NDF:2303.1/41

Out: -35.150+/-0.137 χ^2/NDF:3238.1/47

All: -35.383+/-0.099 χ^2/NDF: 5547.2/89



Right In: 4.668+/-0.209 χ^2/NDF: 334.3/18

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 4.948+/-0.201 χ^2/NDF: 279.6/23

Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

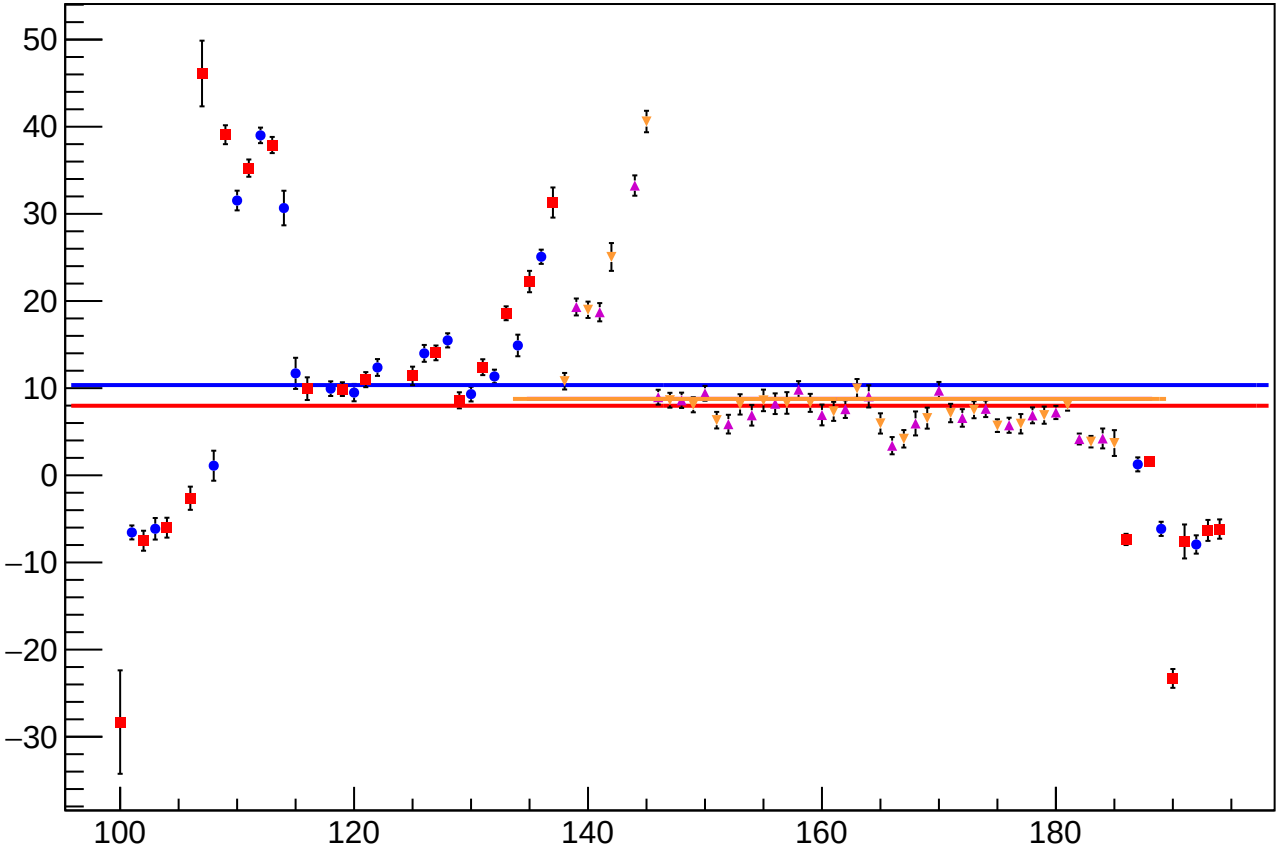
Right: 4.813+/-0.145 χ^2/NDF: 614.9/42

In: 2.919+/-0.124 χ^2/NDF:615.4/41

Out: 3.196+/-0.121 χ^2/NDF:763.7/47

All: 3.061+/-0.087 χ^2/NDF: 1381.6/89

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.354+/-0.221 χ^2/NDF: 3381.1/18

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 7.981+/-0.196 χ^2/NDF: 5738.5/23

Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

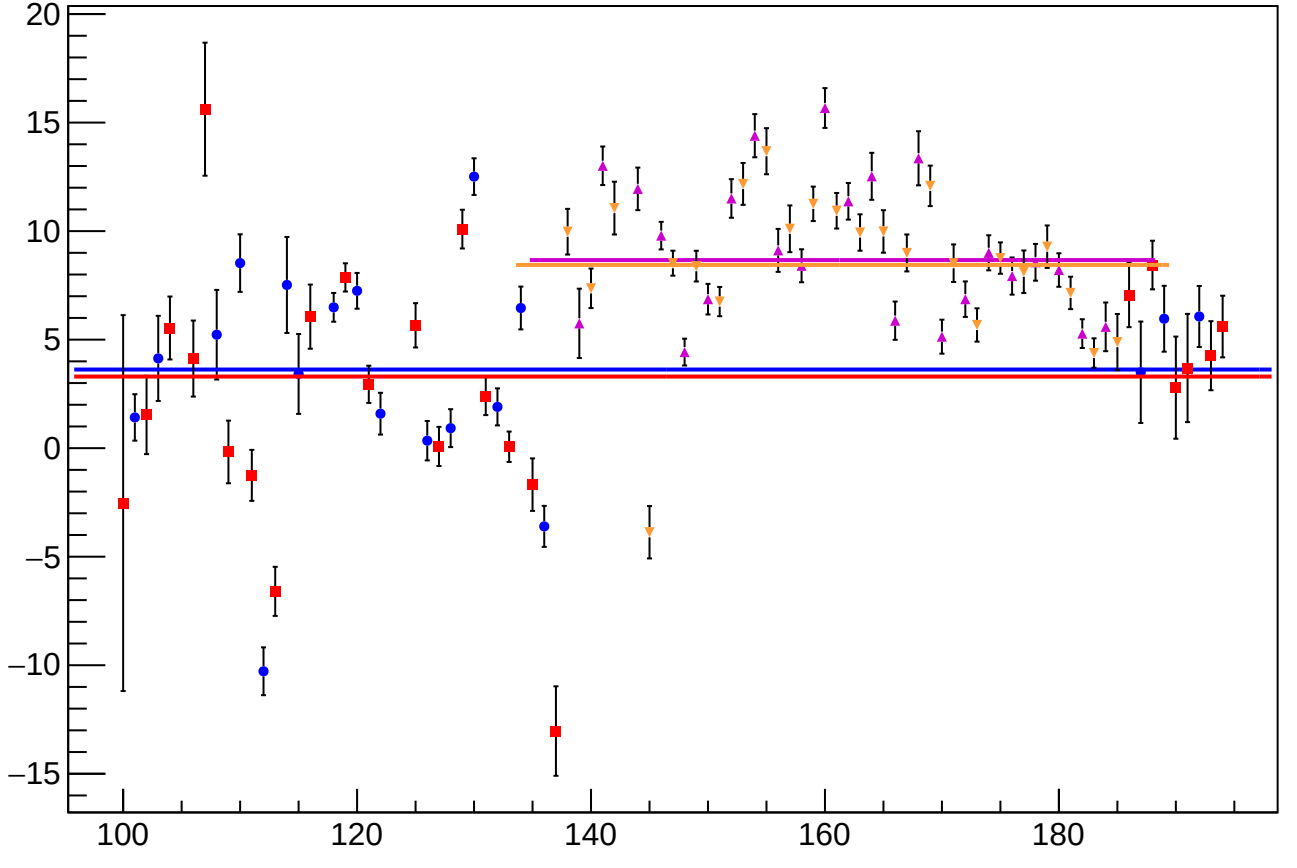
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

Right: 9.022+/-0.147 χ^2/NDF: 9184.0/42

In: 9.489+/-0.149 χ^2/NDF:4204.1/41

Out: 8.364+/-0.140 χ^2/NDF:6781.7/47

All: 8.892+/-0.102 χ^2/NDF: 11016.0/89



Right In: 3.623+/-0.245 χ^2/NDF: 433.3/18

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.300+/-0.238 χ^2/NDF: 379.4/23

Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

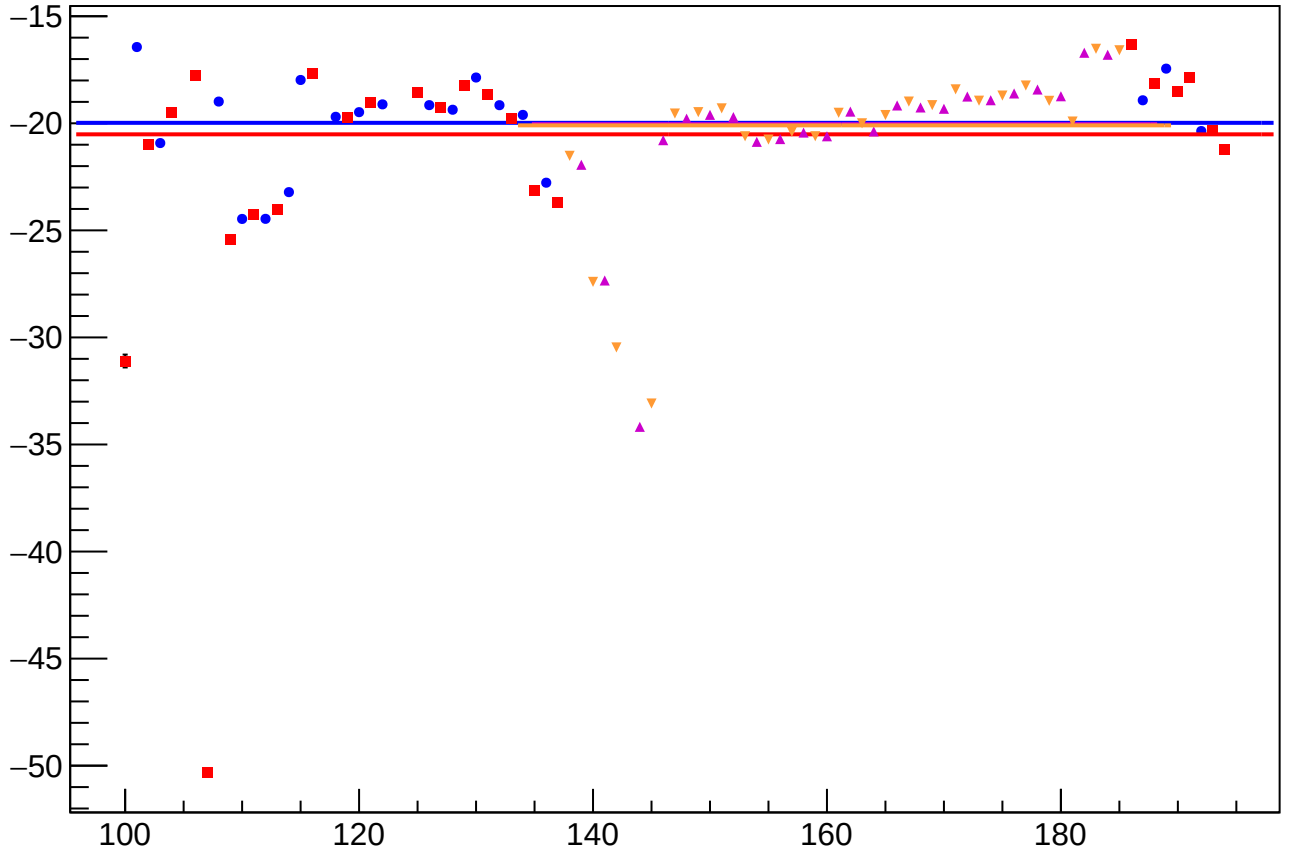
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 3.457+/-0.171 χ^2/NDF: 813.6/42

In: 6.954+/-0.143 χ^2/NDF:1018.1/41

Out: 6.661+/-0.140 χ^2/NDF:947.7/47

All: 6.805+/-0.100 χ^2/NDF: 1967.9/89



Right In: -19.978+/-0.015 χ^2/NDF: 21918.0/18

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.515+/-0.013 χ^2/NDF: 64854.3/23

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

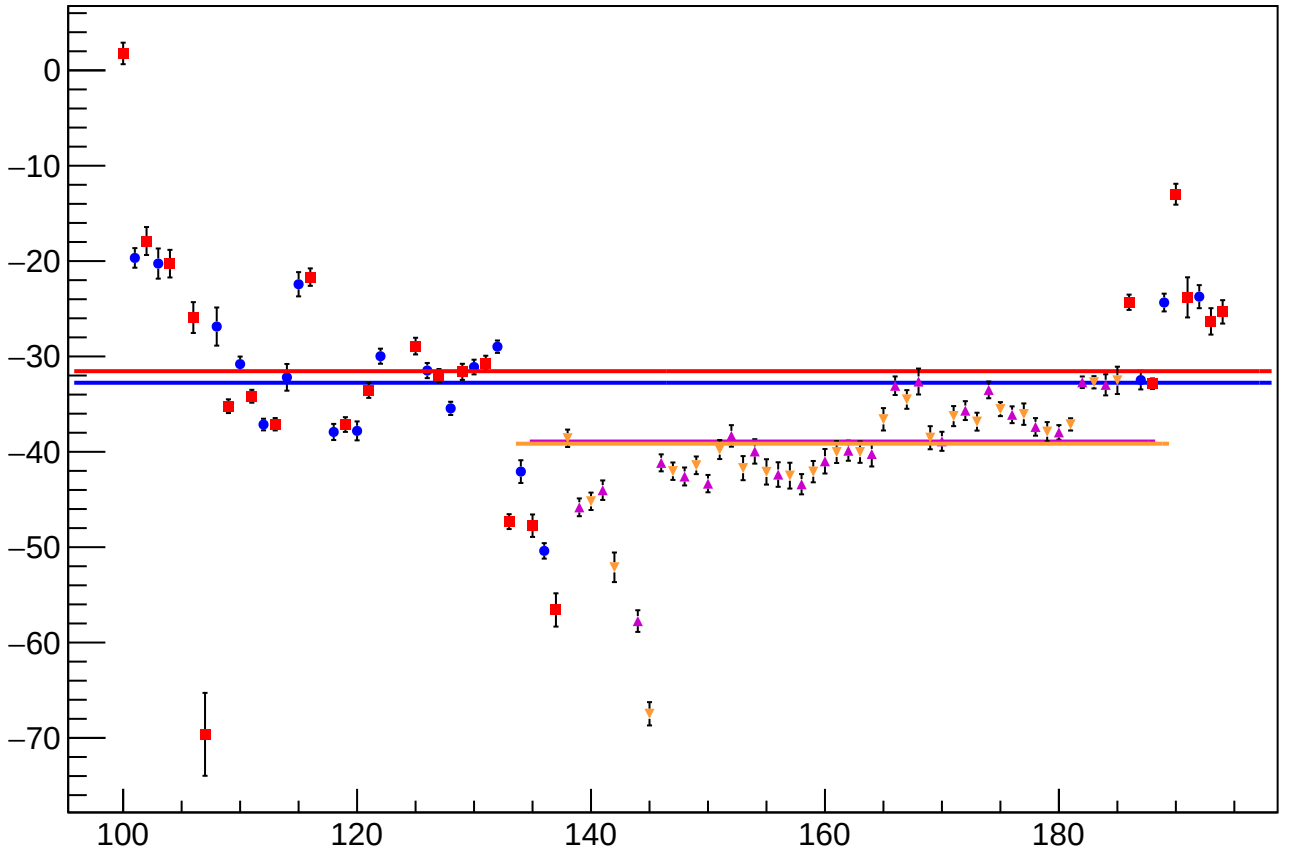
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

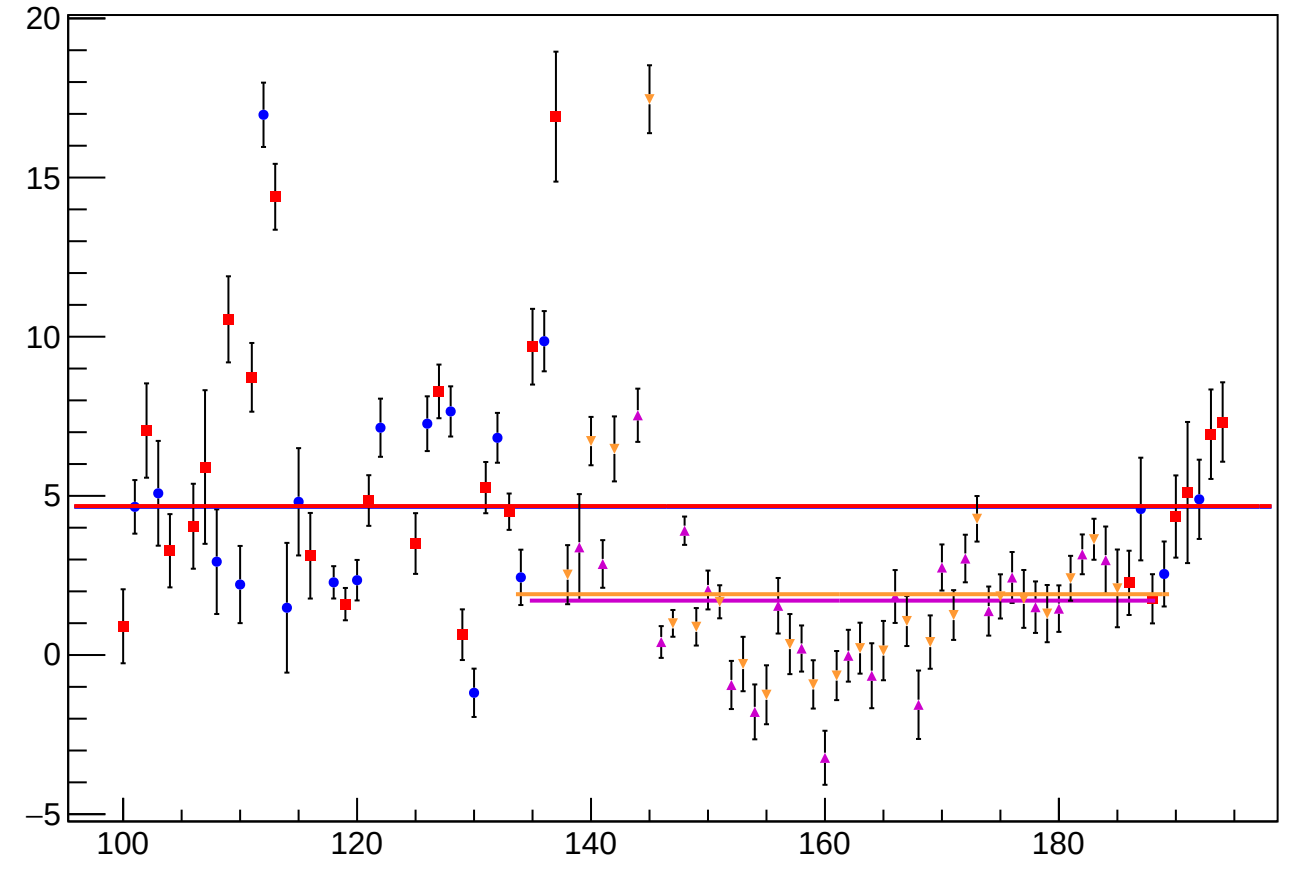
Right: -20.268+/-0.010 χ^2/NDF: 87512.2/42

In: -20.024+/-0.007 χ^2/NDF:154222.5/41

Out: -20.205+/-0.007 χ^2/NDF:224873.3/47

All: -20.116+/-0.005 χ^2/NDF: 379441.0/89


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
120
140
160
180
Right In: -32.758+/-0.205 χ²/NDF: 1158.3/18
Left Out: -39.148+/-0.202 χ²/NDF:898.8/23
Right Out: -31.545+/-0.184 χ²/NDF: 2640.0/23
Left In: -38.921+/-0.204 χ²/NDF:684.4/22
Left: -39.036+/-0.144 χ²/NDF: 1583.8/46
Right: -32.088+/-0.137 χ²/NDF: 3817.6/42
In: -35.856+/-0.144 χ²/NDF:2297.7/41
Out: -34.991+/-0.136 χ²/NDF:4310.0/47
All: -35.398+/-0.099 χ²/NDF: 6626.6/89



Right In: 4.657+/-0.210 χ^2/NDF: 330.2/18

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.680+/-0.199 χ^2/NDF: 301.1/23

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

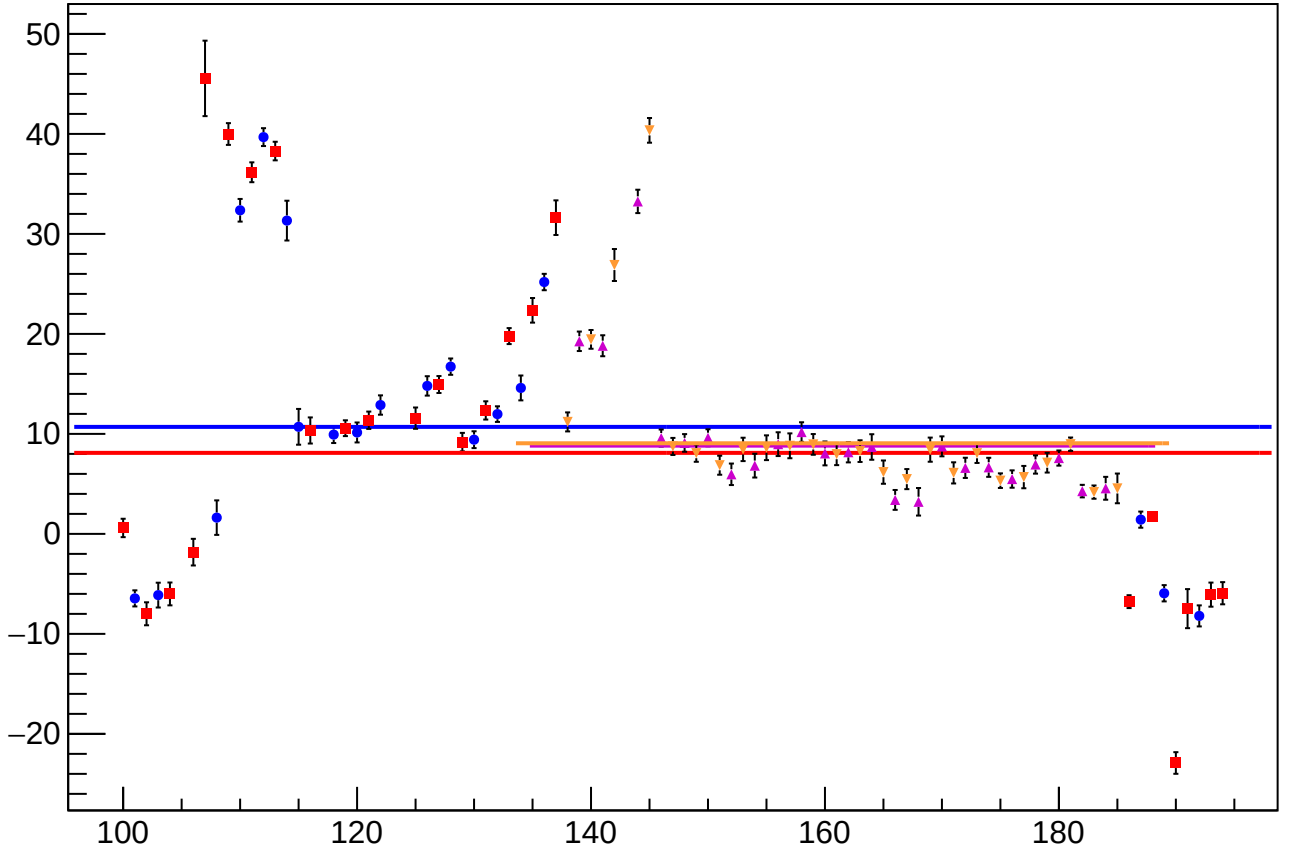
Right: 4.669+/-0.144 χ^2/NDF: 631.3/42

In: 2.750+/-0.125 χ^2/NDF:640.5/41

Out: 2.936+/-0.121 χ^2/NDF:782.6/47

All: 2.845+/-0.087 χ^2/NDF: 1424.2/89

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.700+/-0.222 χ^2/NDF: 3469.3/18

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 8.102+/-0.192 χ^2/NDF: 5860.1/23

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

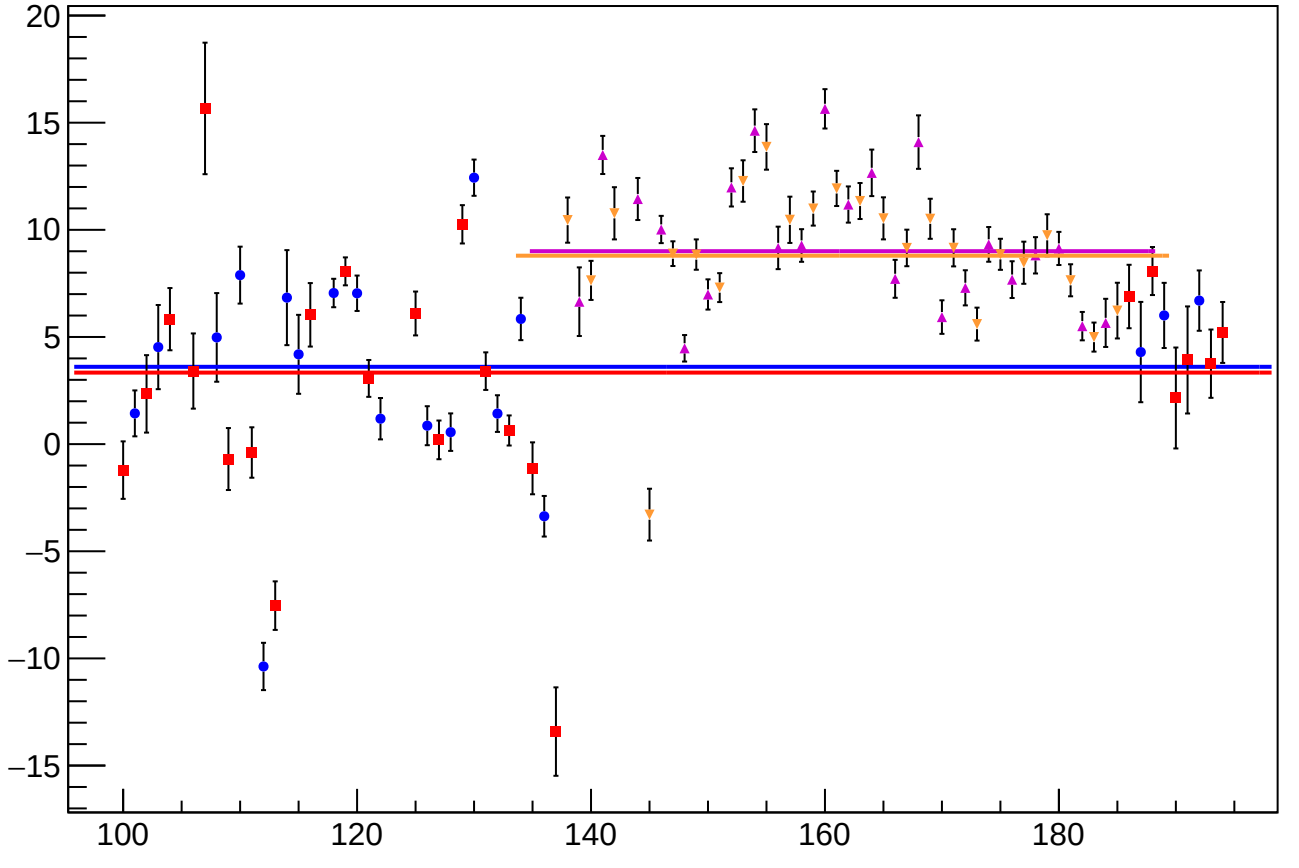
Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

Right: 9.214+/-0.145 χ^2/NDF: 9407.8/42

In: 9.674+/-0.149 χ^2/NDF:4309.8/41

Out: 8.560+/-0.139 χ^2/NDF:6905.4/47

All: 9.076+/-0.102 χ^2/NDF: 11245.1/89



Right In: 3.608+/-0.245 χ^2/NDF: 431.9/18

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.337+/-0.235 χ^2/NDF: 396.1/23

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

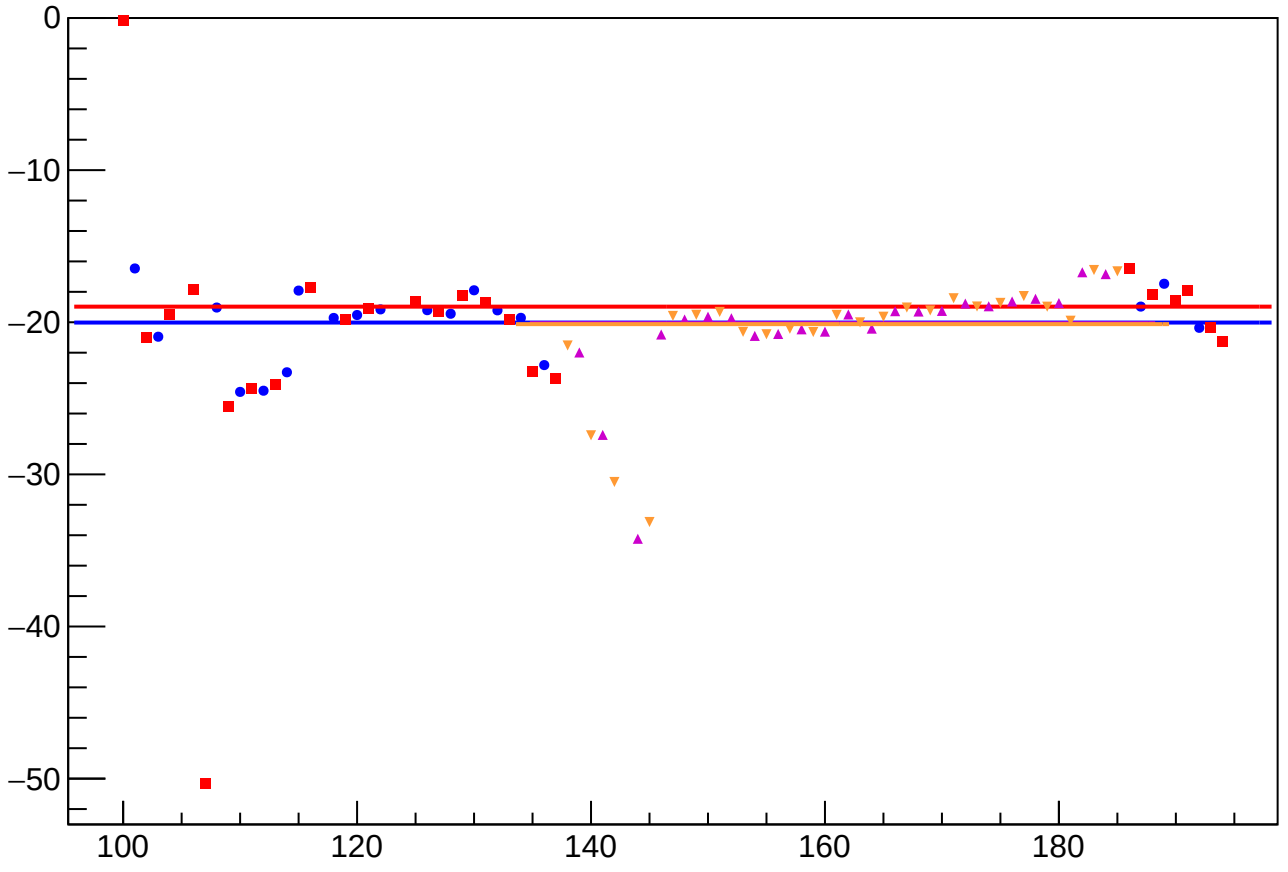
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 3.467+/-0.170 χ^2/NDF: 828.6/42

In: 7.172+/-0.143 χ^2/NDF:1040.6/41

Out: 6.866+/-0.140 χ^2/NDF:987.9/47

All: 7.015+/-0.100 χ^2/NDF: 2030.9/89



Right In: -20.019+/-0.015 χ^2/NDF: 21957.7/18

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -18.974+/-0.013 χ^2/NDF: 239921.3/23

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

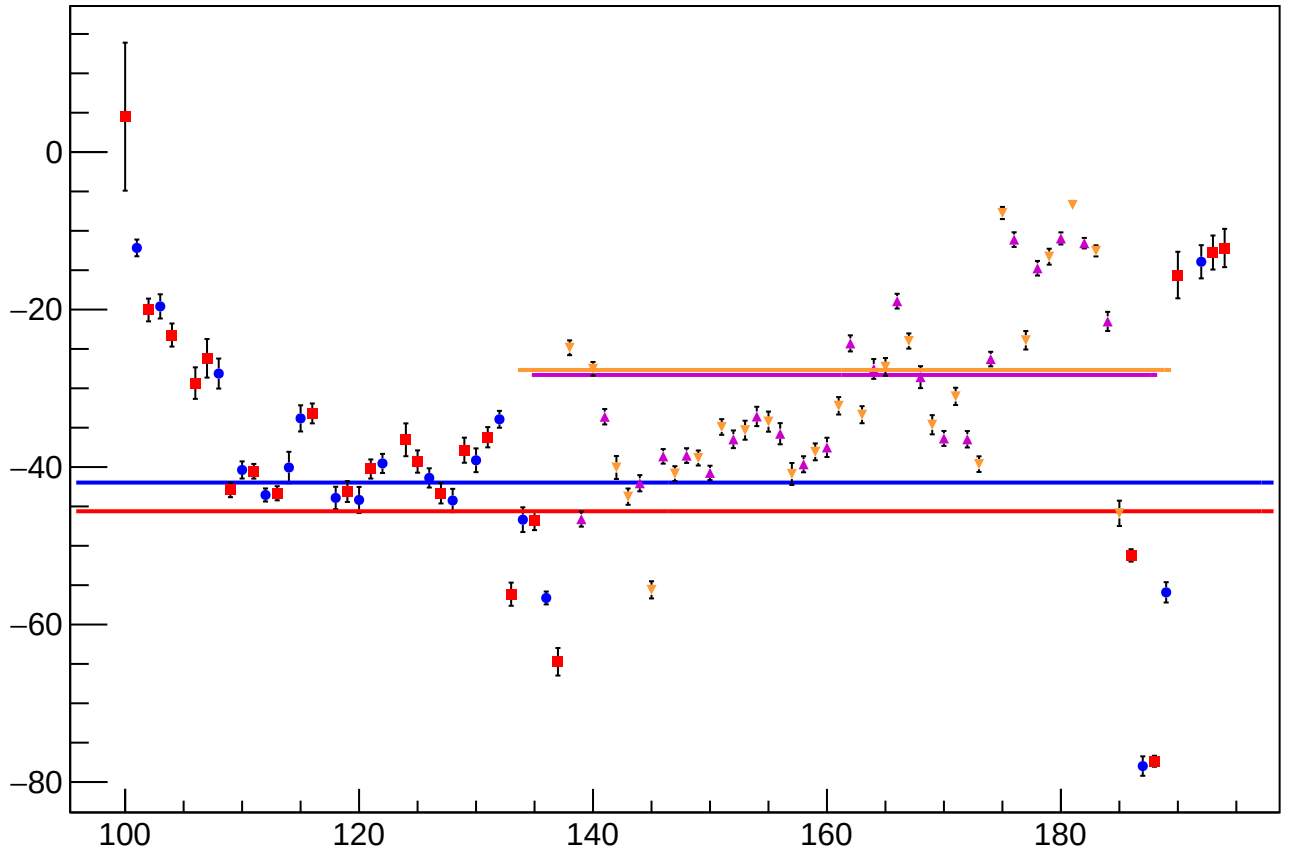
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

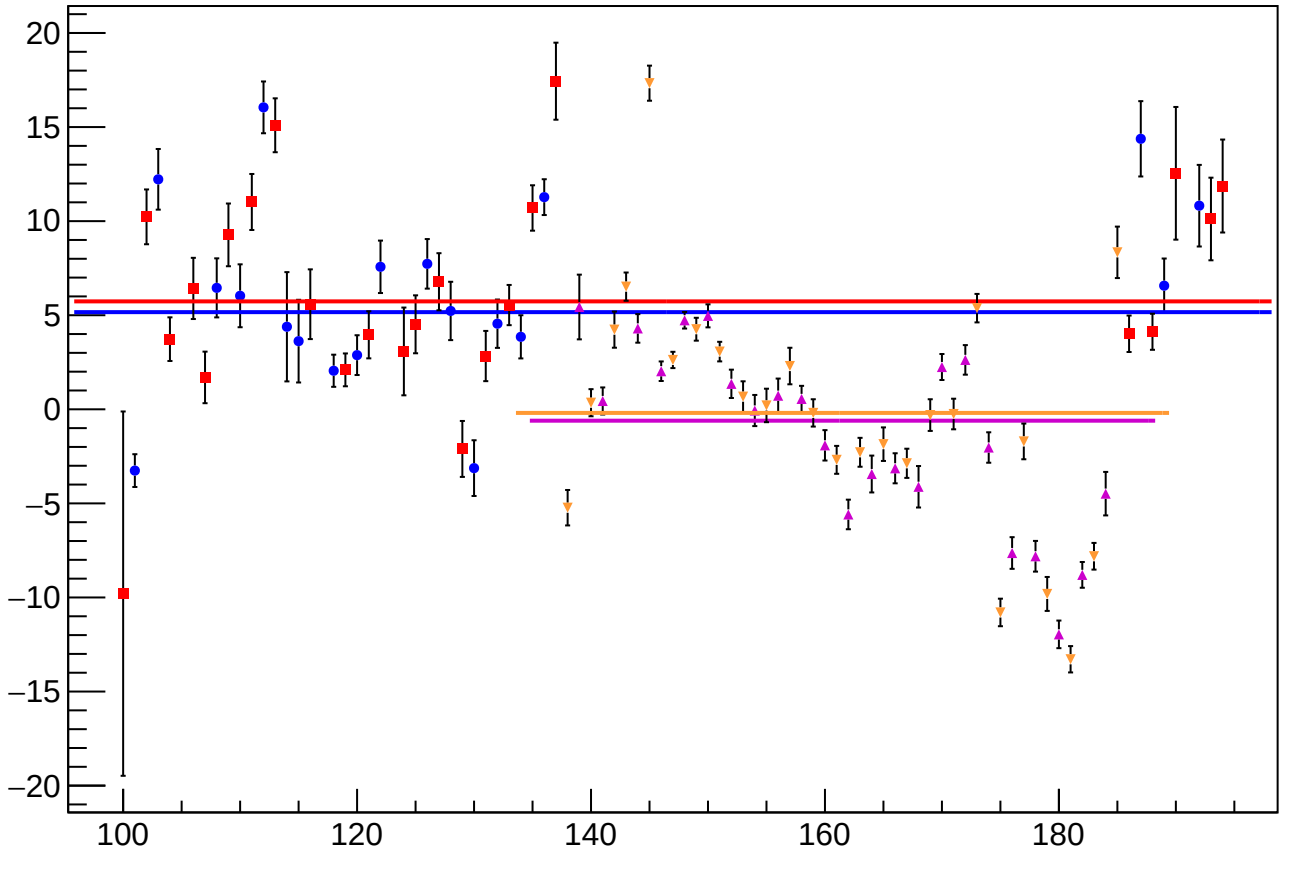
Right: -19.435+/-0.010 χ^2/NDF: 264774.4/42

In: -20.053+/-0.007 χ^2/NDF:154654.6/41

Out: -19.808+/-0.007 χ^2/NDF:404257.5/47

All: -19.927+/-0.005 χ^2/NDF: 559551.8/89


reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
100
120
140
160
180
Right In: -41.970+/-0.291 χ²/NDF: 2624.2/18
Left Out: -27.668+/-0.200 χ²/NDF:4396.9/24
Right Out: -45.612+/-0.260 χ²/NDF: 3813.4/23
Left In: -28.303+/-0.206 χ²/NDF:3273.4/22
Left: -27.977+/-0.144 χ²/NDF: 7675.2/47
Right: -43.992+/-0.194 χ²/NDF: 6524.9/42
In: -32.867+/-0.168 χ²/NDF:7371.1/41
Out: -34.356+/-0.159 χ²/NDF:11196.7/48
All: -33.653+/-0.115 χ²/NDF: 18609.3/90



Right In: 5.164+/-0.302 χ^2/NDF: 304.5/18

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 5.736+/-0.287 χ^2/NDF: 207.6/23

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

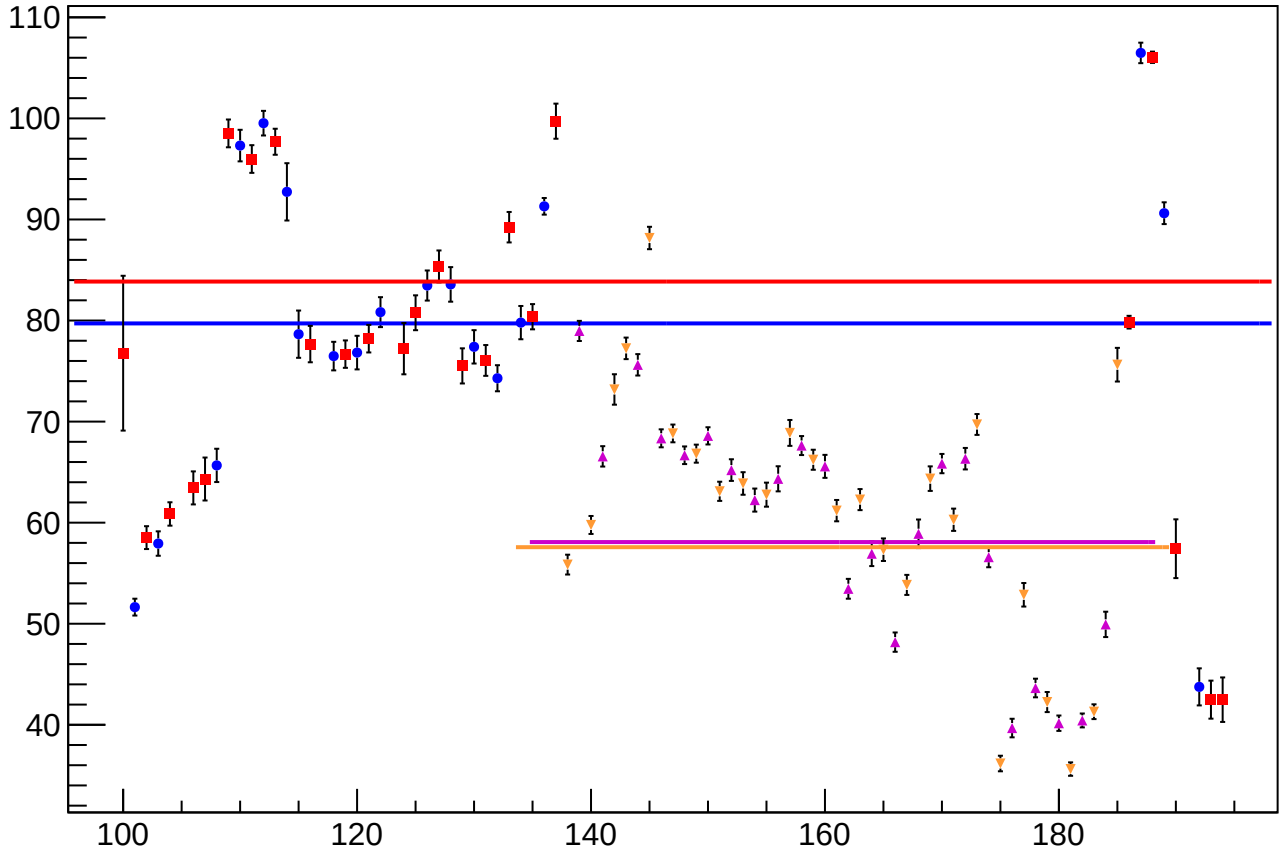
Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

Right: 5.464+/-0.208 χ^2/NDF: 514.0/42

In: 0.599+/-0.138 χ^2/NDF:1567.7/41

Out: 1.081+/-0.133 χ^2/NDF:2087.8/48

All: 0.849+/-0.096 χ^2/NDF: 3661.8/90



Right In: 79.715+/-0.302 χ^2/NDF: 3368.8/18

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 83.856+/-0.262 χ^2/NDF: 4205.3/23

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

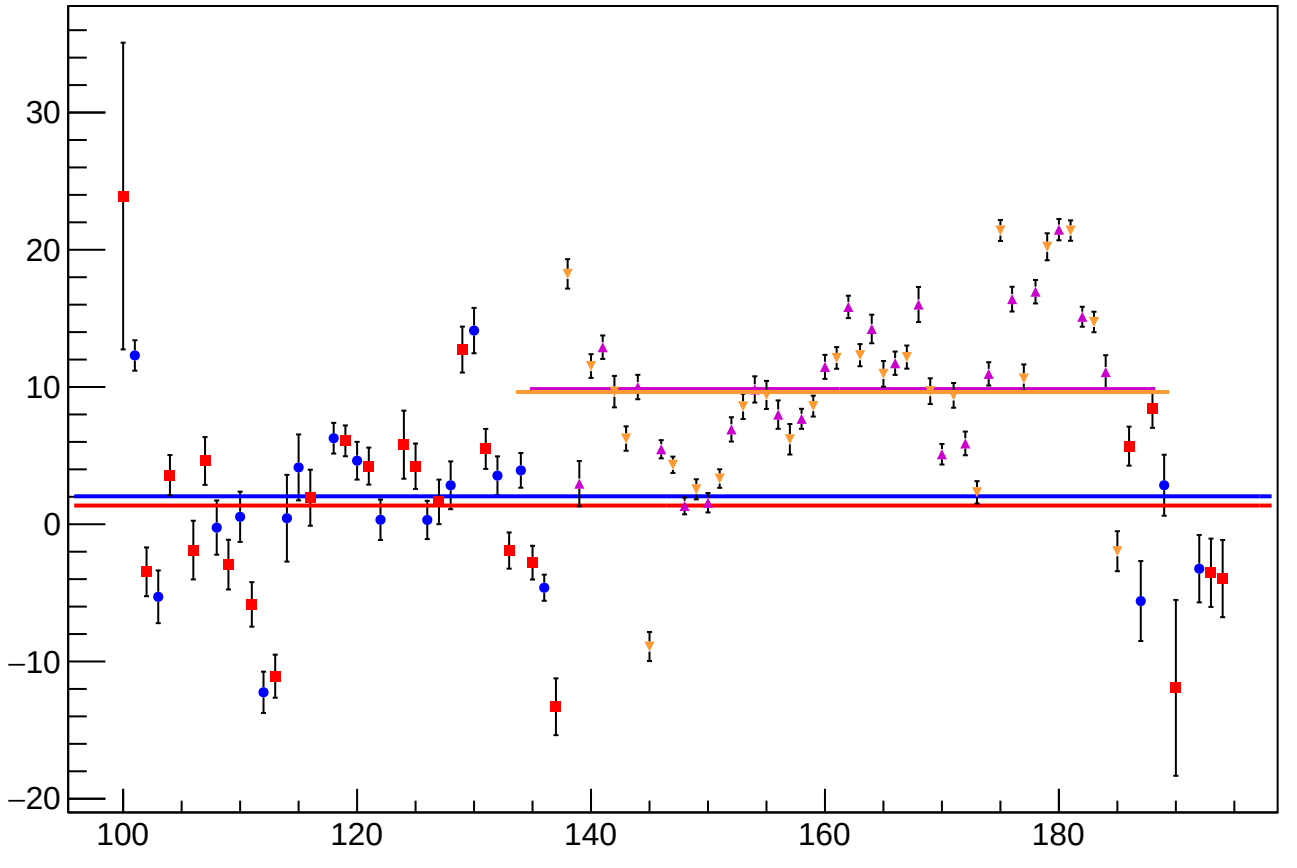
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

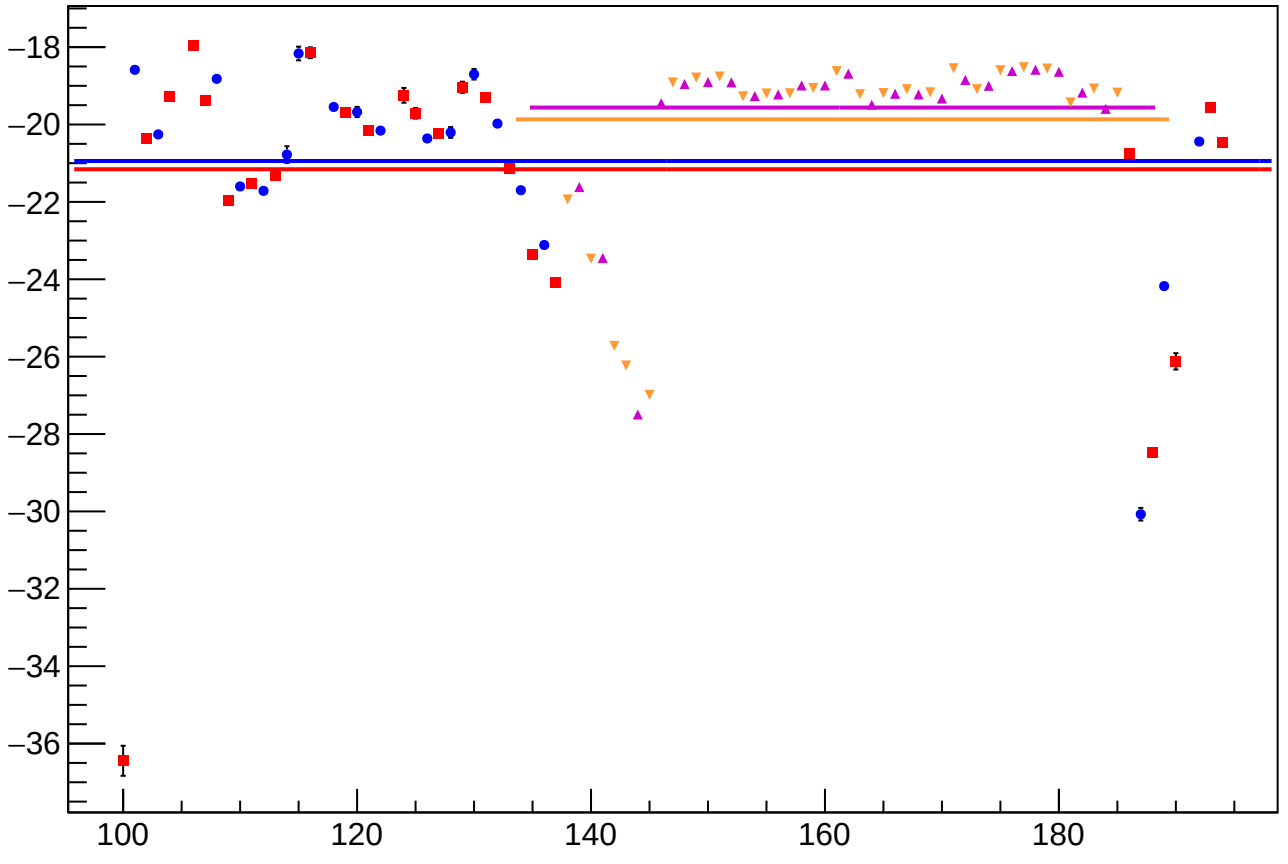
Right: 82.083+/-0.198 χ^2/NDF: 7681.5/42

In: 64.825+/-0.169 χ^2/NDF:10452.5/41

Out: 67.206+/-0.158 χ^2/NDF:15285.4/48

All: 66.091+/-0.115 χ^2/NDF: 25843.7/90


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
Right In: 2.036+/-0.352 χ²/NDF: 331.6/18
Left Out: 9.636+/-0.171 χ²/NDF:1491.5/24
Right Out: 1.362+/-0.343 χ²/NDF: 303.5/23
Left In: 9.849+/-0.176 χ²/NDF:993.0/22
Left: 9.740+/-0.123 χ²/NDF: 2485.2/47
Right: 1.690+/-0.246 χ²/NDF: 636.9/42
In: 8.282+/-0.158 χ²/NDF:1718.5/41
Out: 7.981+/-0.153 χ²/NDF:2261.1/48
All: 8.127+/-0.110 χ²/NDF: 3981.5/90



Right In: -20.943+/-0.018 χ^2/NDF: 11885.8/18

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -21.156+/-0.018 χ^2/NDF: 19828.6/23

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

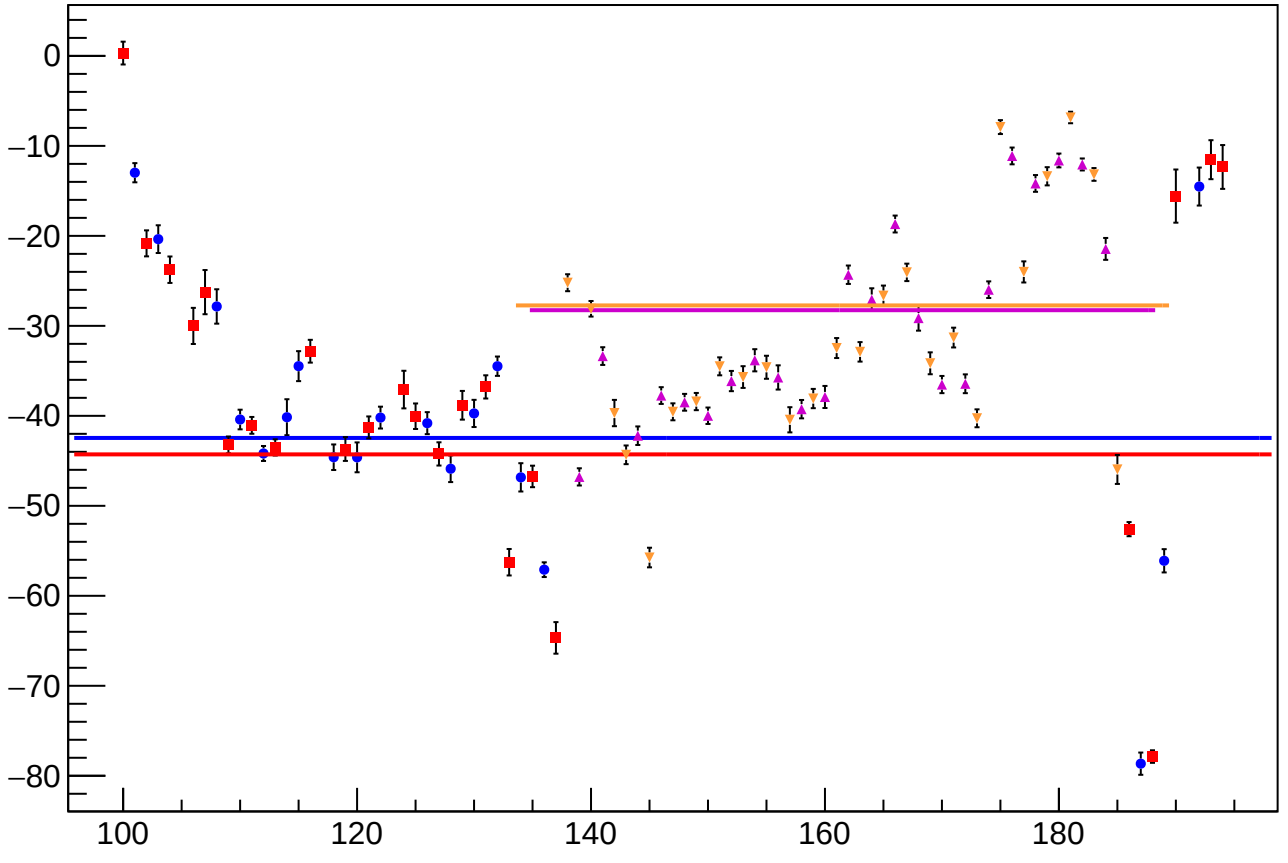
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -21.052+/-0.013 χ^2/NDF: 31783.0/42

In: -19.779+/-0.007 χ^2/NDF:61795.2/41

Out: -20.071+/-0.007 χ^2/NDF:103004.6/48

All: -19.927+/-0.005 χ^2/NDF: 165612.3/90



Right In: -42.457+/-0.291 χ^2/NDF: 2606.2/18

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -44.284+/-0.255 χ^2/NDF: 5104.3/23

Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

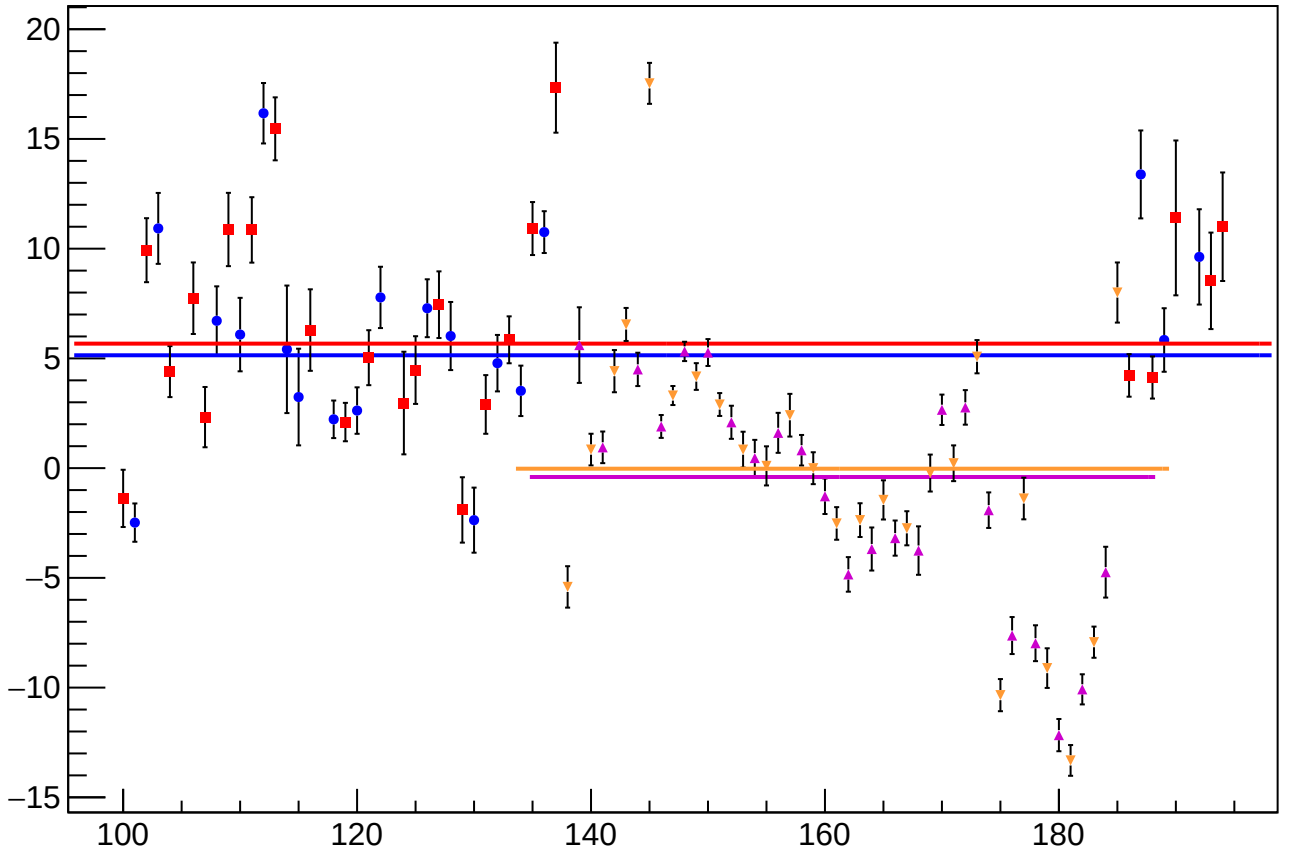
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

Right: -43.489+/-0.192 χ^2/NDF: 7732.8/42

In: -33.005+/-0.168 χ^2/NDF:7363.5/41

Out: -34.057+/-0.158 χ^2/NDF:12003.1/48

All: -33.564+/-0.115 χ^2/NDF: 19387.4/90



Right In: 5.142+/-0.303 χ^2/NDF: 263.0/18

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.673+/-0.281 χ^2/NDF: 230.4/23

Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

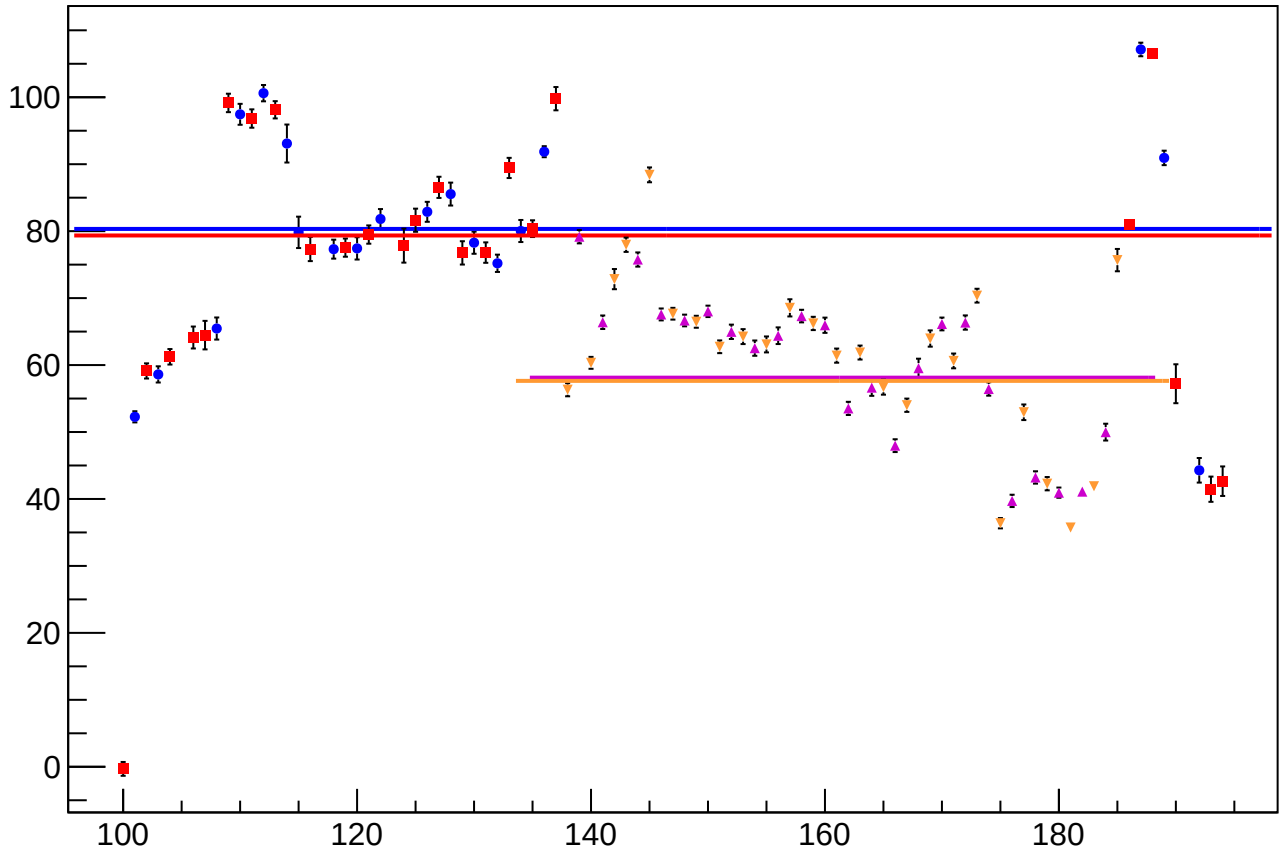
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 5.427+/-0.206 χ^2/NDF: 495.0/42

In: 0.755+/-0.138 χ^2/NDF:1613.0/41

Out: 1.243+/-0.133 χ^2/NDF:2082.2/48

All: 1.009+/-0.096 χ^2/NDF: 3701.7/90



Right In: 80.334+/-0.303 χ^2/NDF: 3365.5/18

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 79.354+/-0.254 χ^2/NDF: 10543.5/23

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

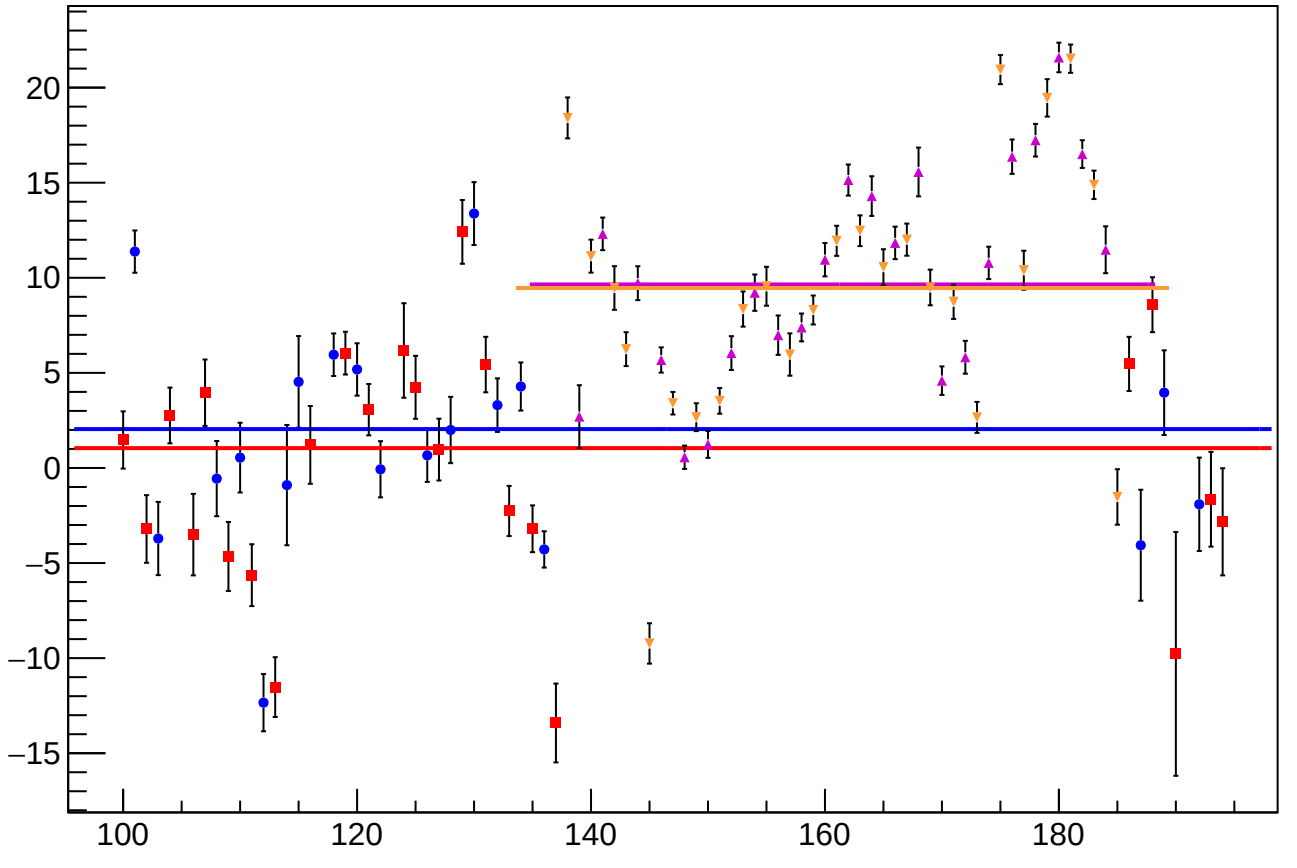
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

Right: 79.759+/-0.195 χ^2/NDF: 13915.1/42

In: 65.047+/-0.169 χ^2/NDF:10514.5/41

Out: 65.908+/-0.157 χ^2/NDF:19679.3/48

All: 65.510+/-0.115 χ^2/NDF: 30207.7/90



Right In: 2.044+/-0.352 χ^2/NDF: 298.1/18

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 1.043+/-0.335 χ^2/NDF: 299.8/23

Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

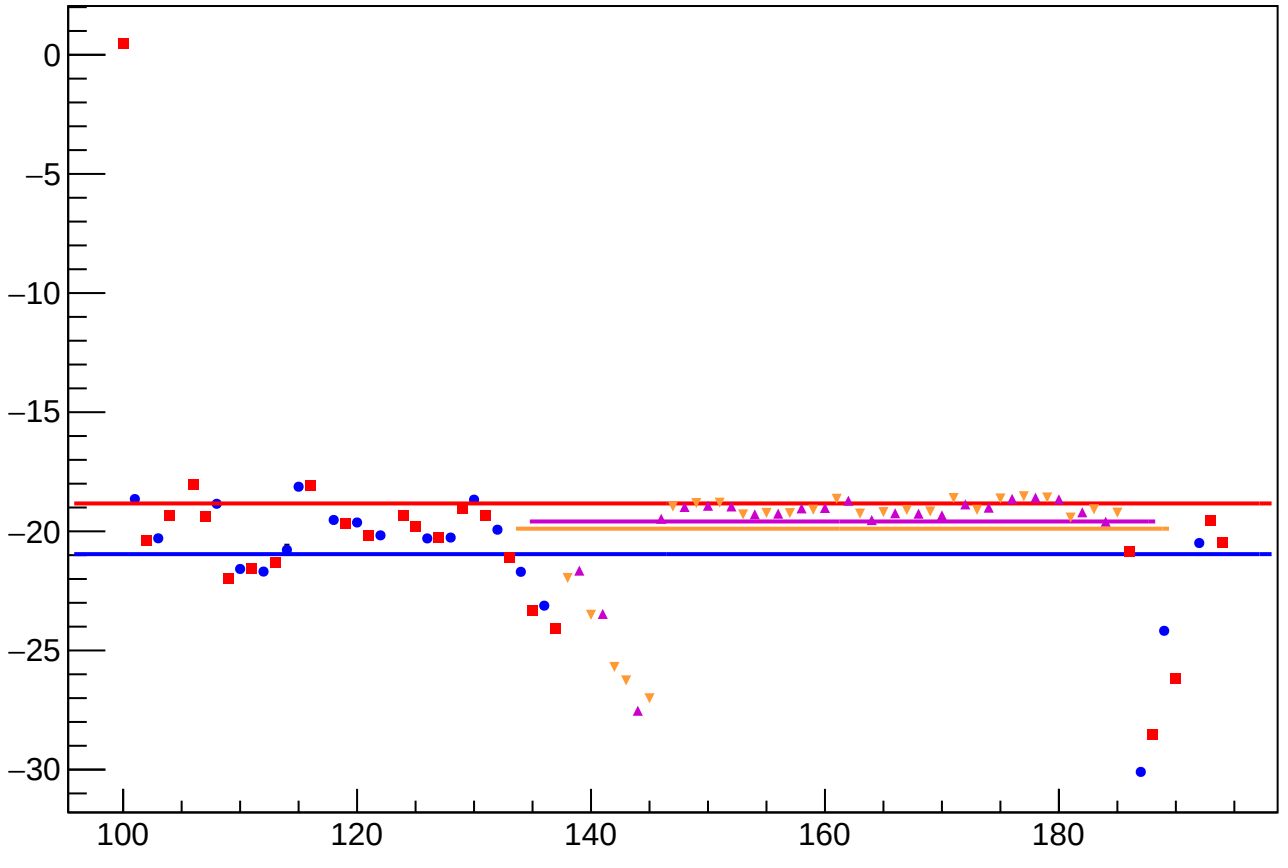
Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

Right: 1.518+/-0.243 χ^2/NDF: 602.2/42

In: 8.124+/-0.158 χ^2/NDF:1748.9/41

Out: 7.709+/-0.153 χ^2/NDF:2283.4/48

All: 7.910+/-0.110 χ^2/NDF: 4035.9/90



Right In: -20.957+/-0.018 χ^2/NDF: 11751.2/18

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -18.829+/-0.017 χ^2/NDF: 170346.9/23

Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

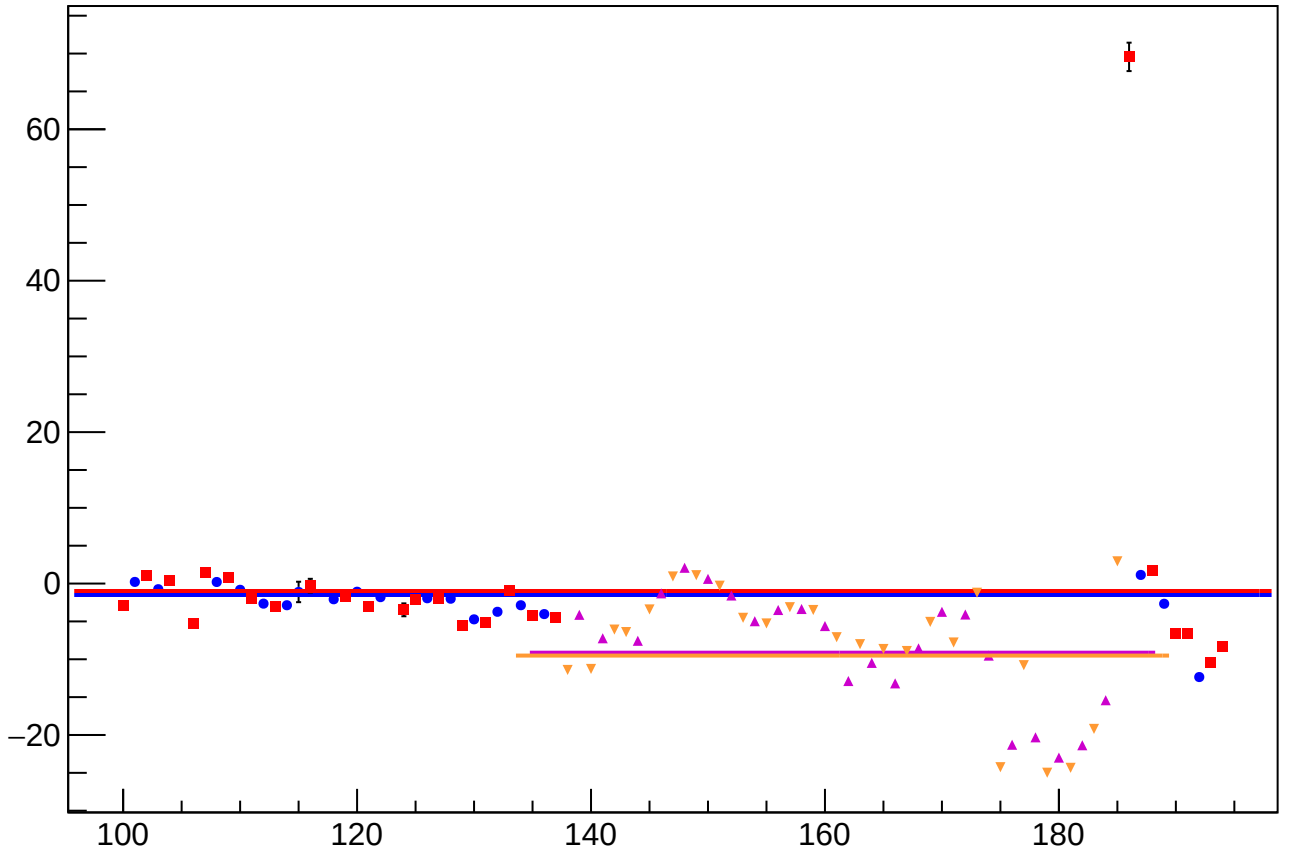
Left: -19.739+/-0.006 χ^2/NDF: 124326.8/47

Right: -19.814+/-0.013 χ^2/NDF: 189238.6/42

In: -19.802+/-0.007 χ^2/NDF:61487.6/41

Out: -19.704+/-0.007 χ^2/NDF:252016.2/48

All: -19.752+/-0.005 χ^2/NDF: 313595.1/90



Right In: -1.508+/-0.053 χ^2/NDF: 1514.6/18

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -0.983+/-0.048 χ^2/NDF: 4296.9/24

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

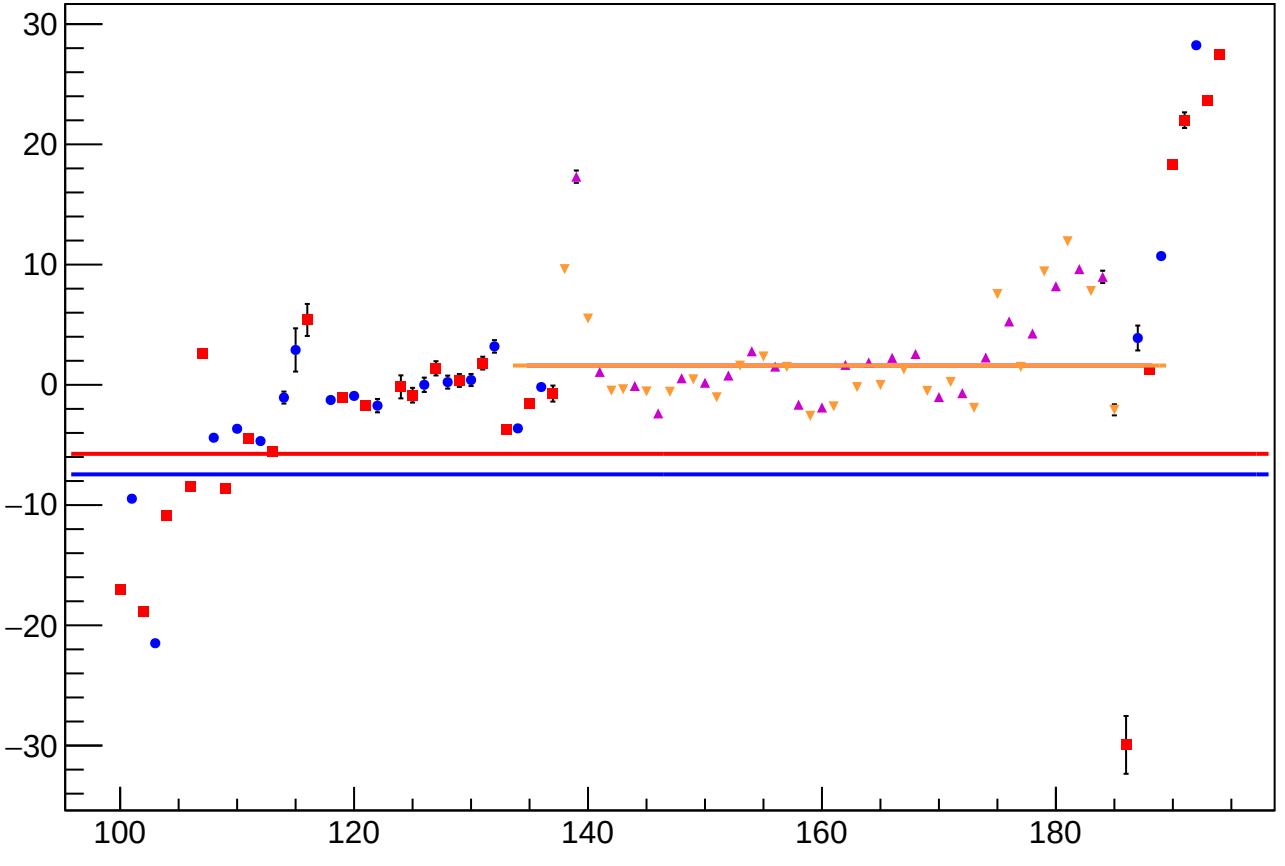
Right: -1.217+/-0.036 χ^2/NDF: 5865.7/43

In: -4.069+/-0.043 χ^2/NDF:18806.9/41

Out: -3.556+/-0.040 χ^2/NDF:26842.5/49

All: -3.791+/-0.029 χ^2/NDF: 45725.3/91

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.446+/-0.056 χ^2/NDF: 25210.5/18

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -5.738+/-0.054 χ^2/NDF: 34574.0/24

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

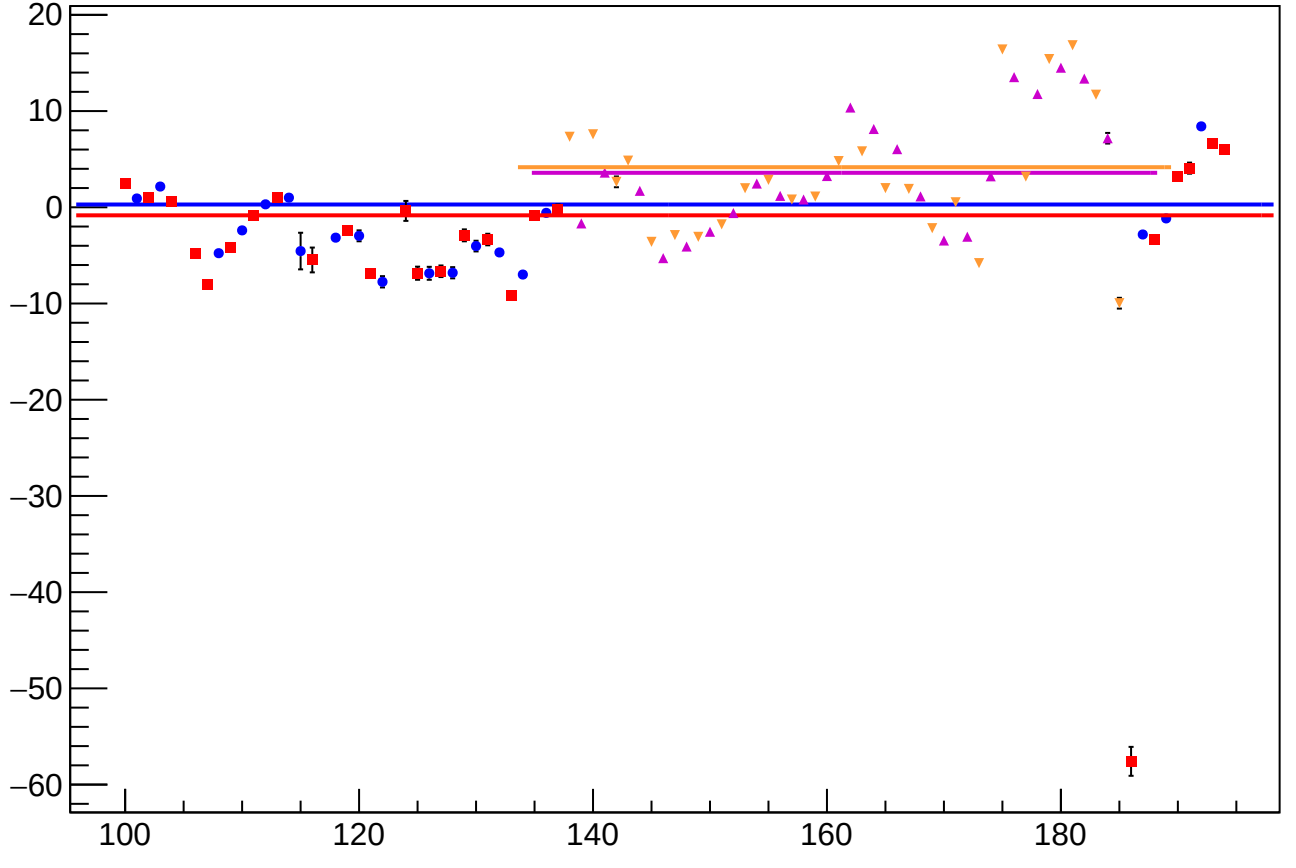
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -6.573+/-0.039 χ^2/NDF: 60265.9/43

In: -3.080+/-0.040 χ^2/NDF:41614.5/41

Out: -2.117+/-0.039 χ^2/NDF:48231.2/49

All: -2.582+/-0.028 χ^2/NDF: 90144.3/91



Right In: 0.290+/-0.051 χ^2/NDF: 2653.9/18

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.835+/-0.049 χ^2/NDF: 5743.8/24

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

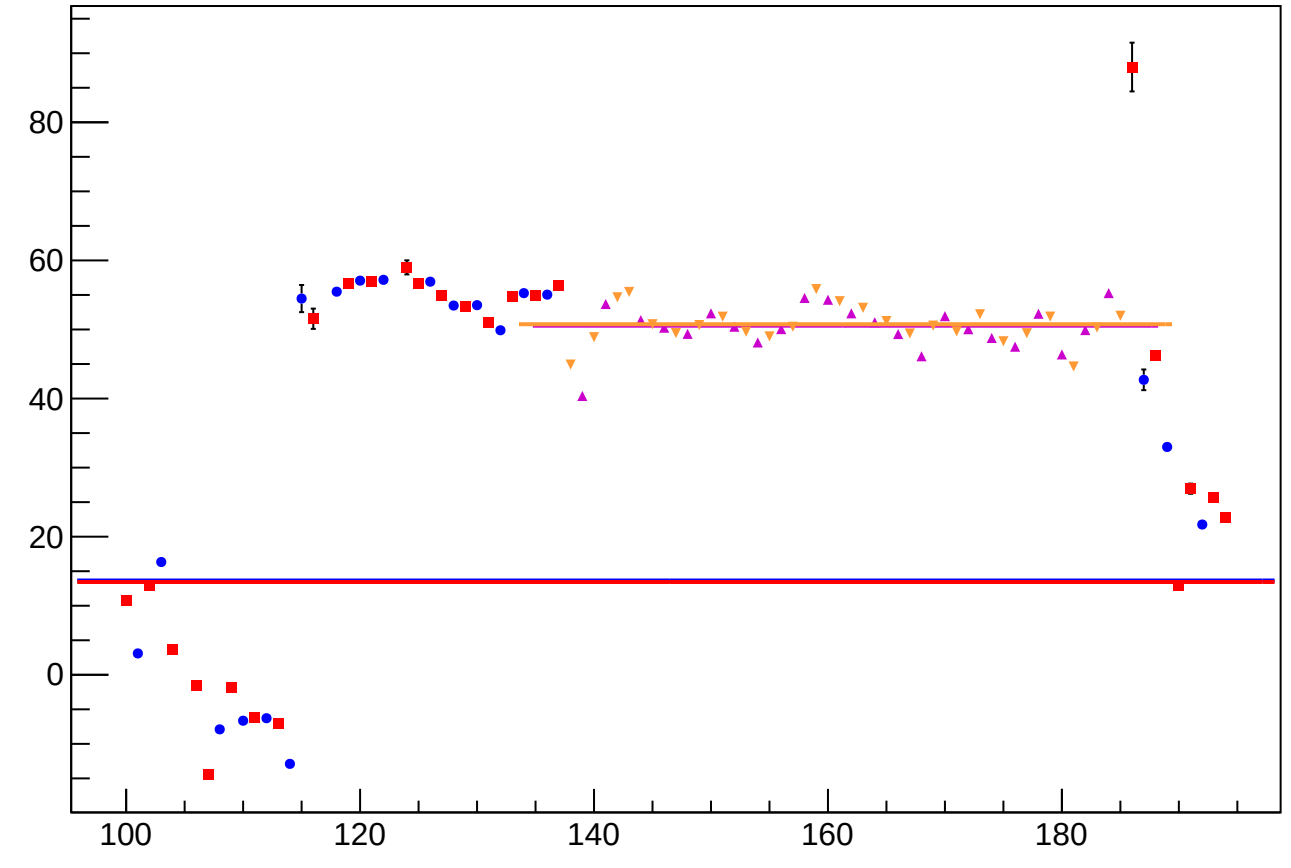
Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

Right: -0.303+/-0.035 χ^2/NDF: 8650.8/43

In: 1.362+/-0.042 χ^2/NDF:11220.6/41

Out: 0.729+/-0.040 χ^2/NDF:18298.3/49

All: 1.031+/-0.029 χ^2/NDF: 29636.6/91



Right In: 13.653+/-0.067 χ^2/NDF: 110433.0/18

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 13.441+/-0.065 χ^2/NDF: 127797.5/24

Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

Left: 50.659+/-0.045 χ^2/NDF: 3471.7/47

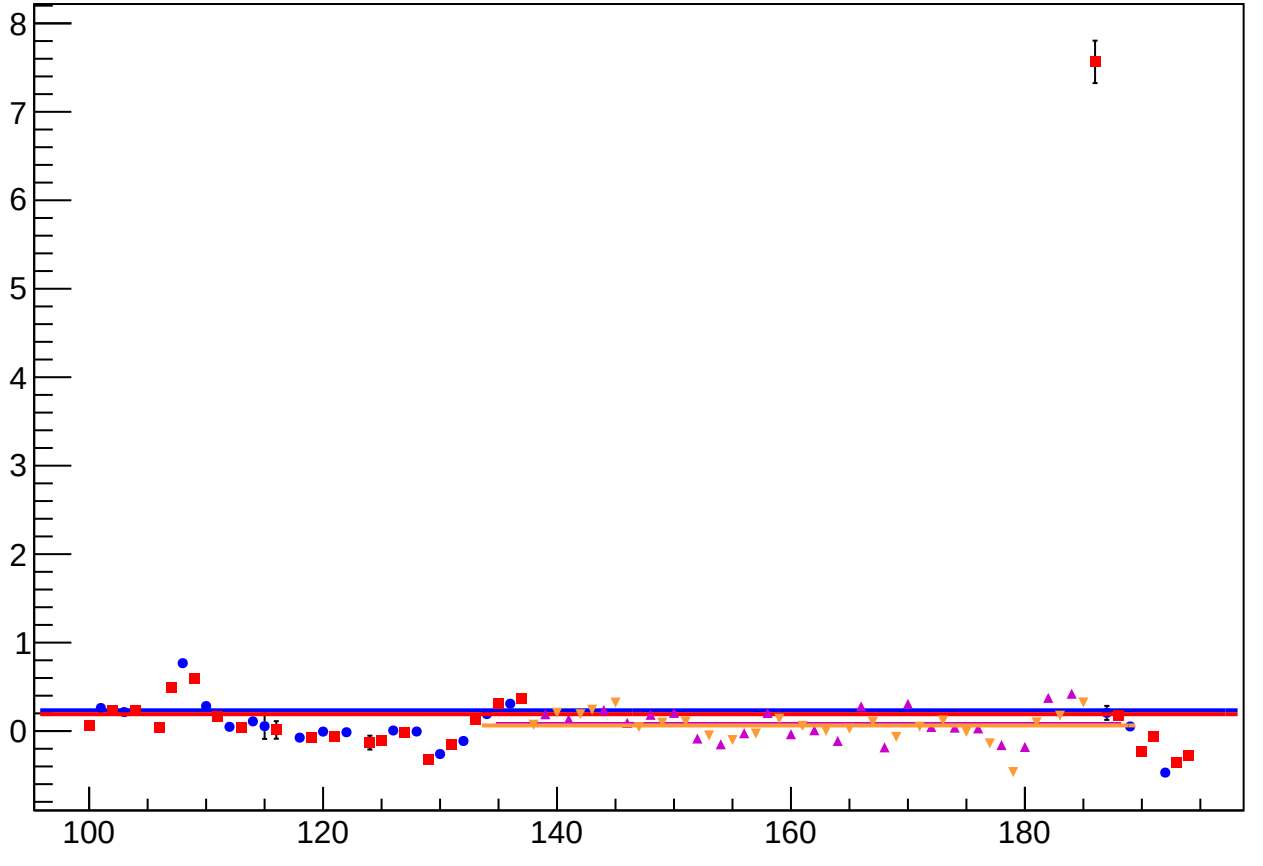
Right: 13.544+/-0.046 χ^2/NDF: 238235.7/43

In: 32.621+/-0.046 χ^2/NDF:269843.0/41

Out: 32.822+/-0.045 χ^2/NDF:301271.5/49

All: 32.725+/-0.032 χ^2/NDF: 571124.2/91

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.235+/-0.003 χ^2/NDF: 6612.0/18

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.191+/-0.003 χ^2/NDF: 6853.6/24

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

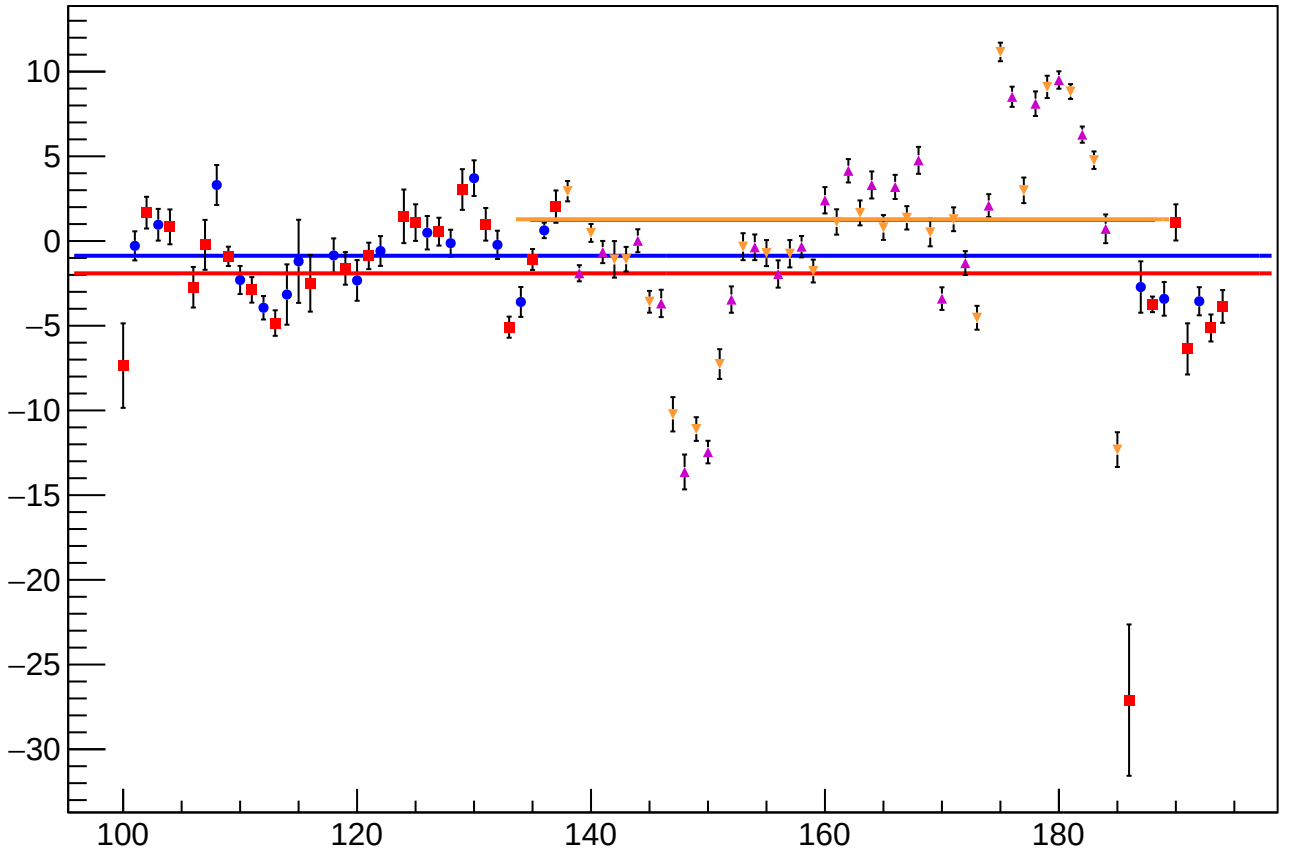
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.211+/-0.002 χ^2/NDF: 13604.2/43

In: 0.160+/-0.002 χ^2/NDF:11621.8/41

Out: 0.132+/-0.002 χ^2/NDF:10541.9/49

All: 0.146+/-0.001 χ^2/NDF: 22272.0/91



Right In: -0.870+/-0.204 χ^2/NDF: 103.8/18

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.908+/-0.175 χ^2/NDF: 227.0/24

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

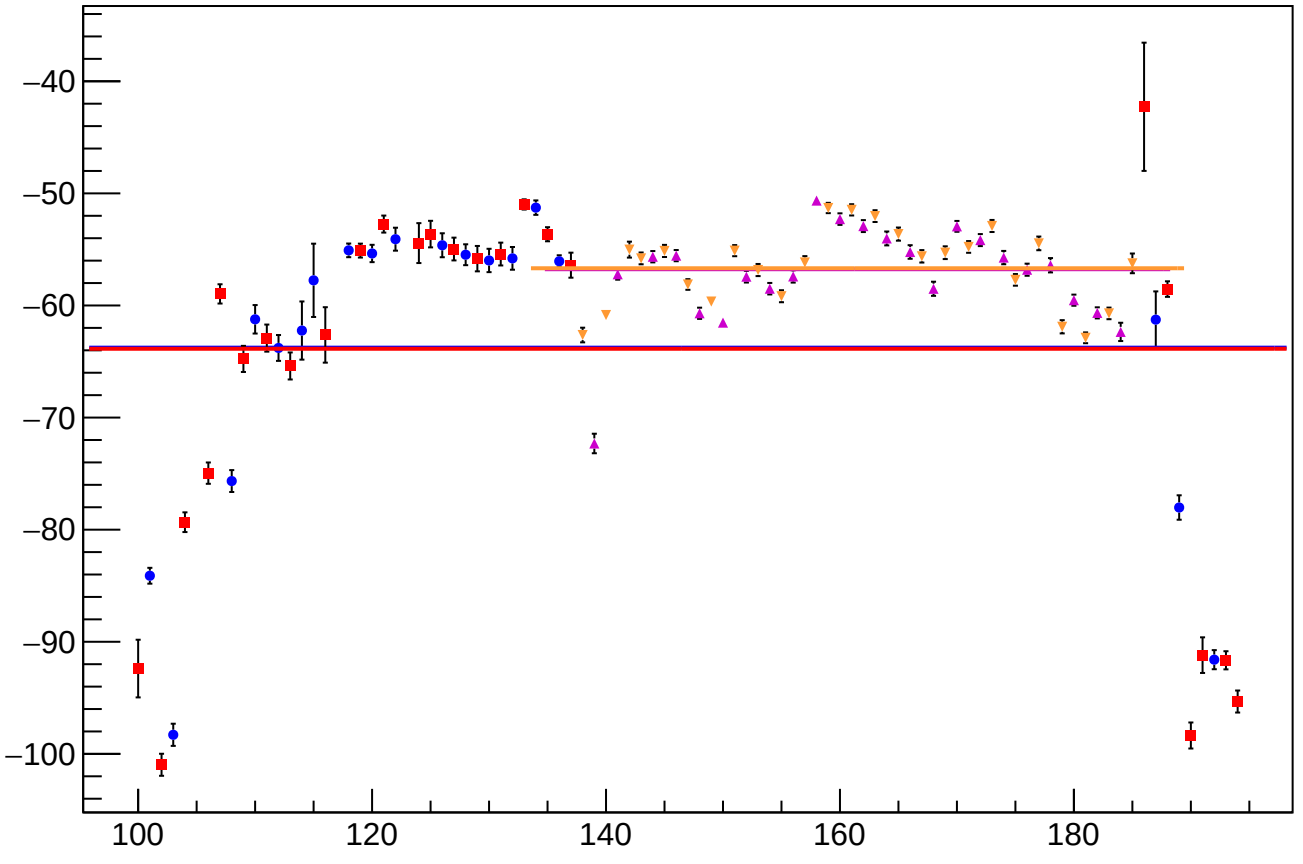
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.467+/-0.133 χ^2/NDF: 345.7/43

In: 0.564+/-0.116 χ^2/NDF:1689.4/41

Out: 0.071+/-0.108 χ^2/NDF:2148.7/49

All: 0.301+/-0.079 χ^2/NDF: 3847.9/91



Right In: -63.764+/-0.207 χ^2/NDF: 4710.9/18

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -63.861+/-0.185 χ^2/NDF: 7304.6/24

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

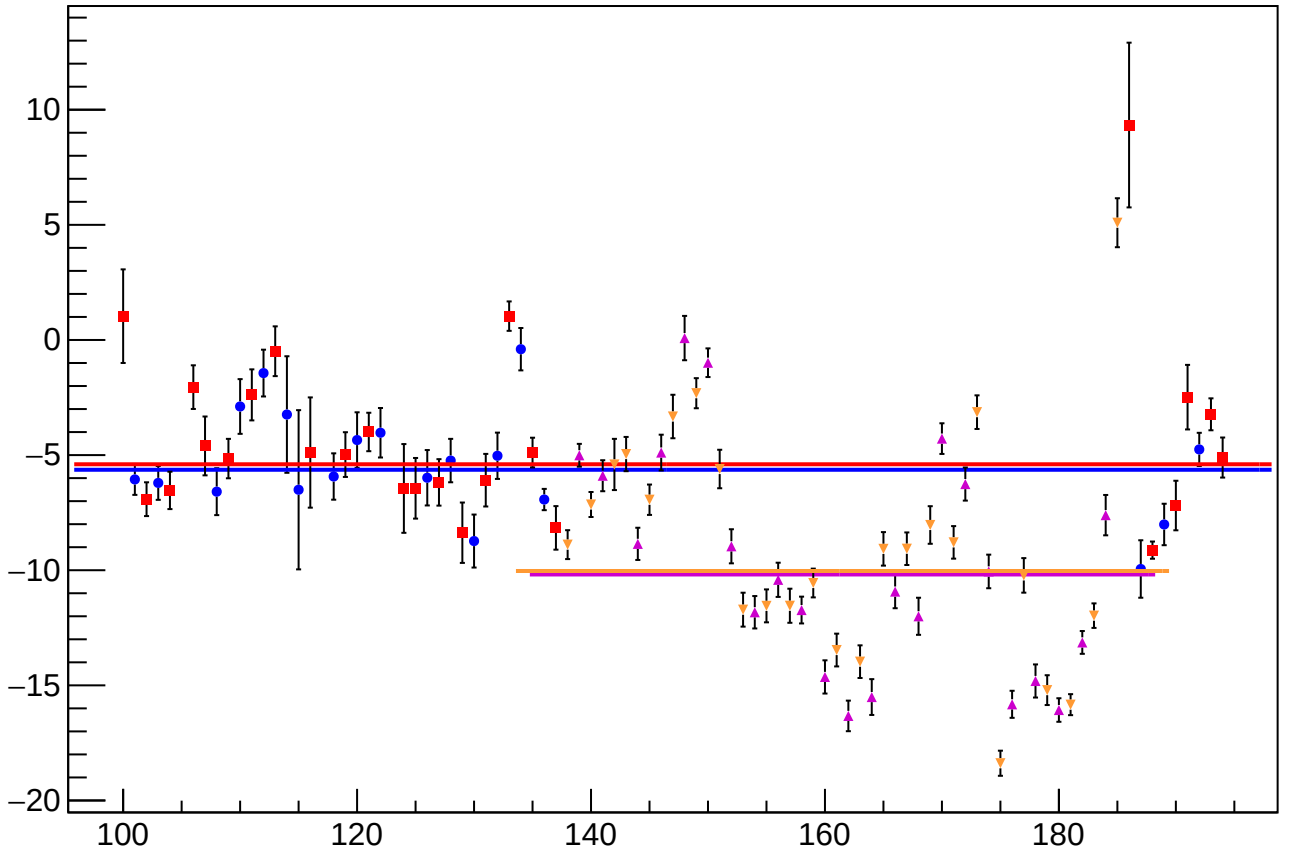
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -63.818+/-0.138 χ^2/NDF: 12015.6/43

In: -58.343+/-0.099 χ^2/NDF:6700.9/41

Out: -58.486+/-0.093 χ^2/NDF:9447.2/49

All: -58.419+/-0.068 χ^2/NDF: 16149.2/91



Right In: -5.637+/-0.210 χ^2/NDF: 97.2/18

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.398+/-0.176 χ^2/NDF: 311.6/24

Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

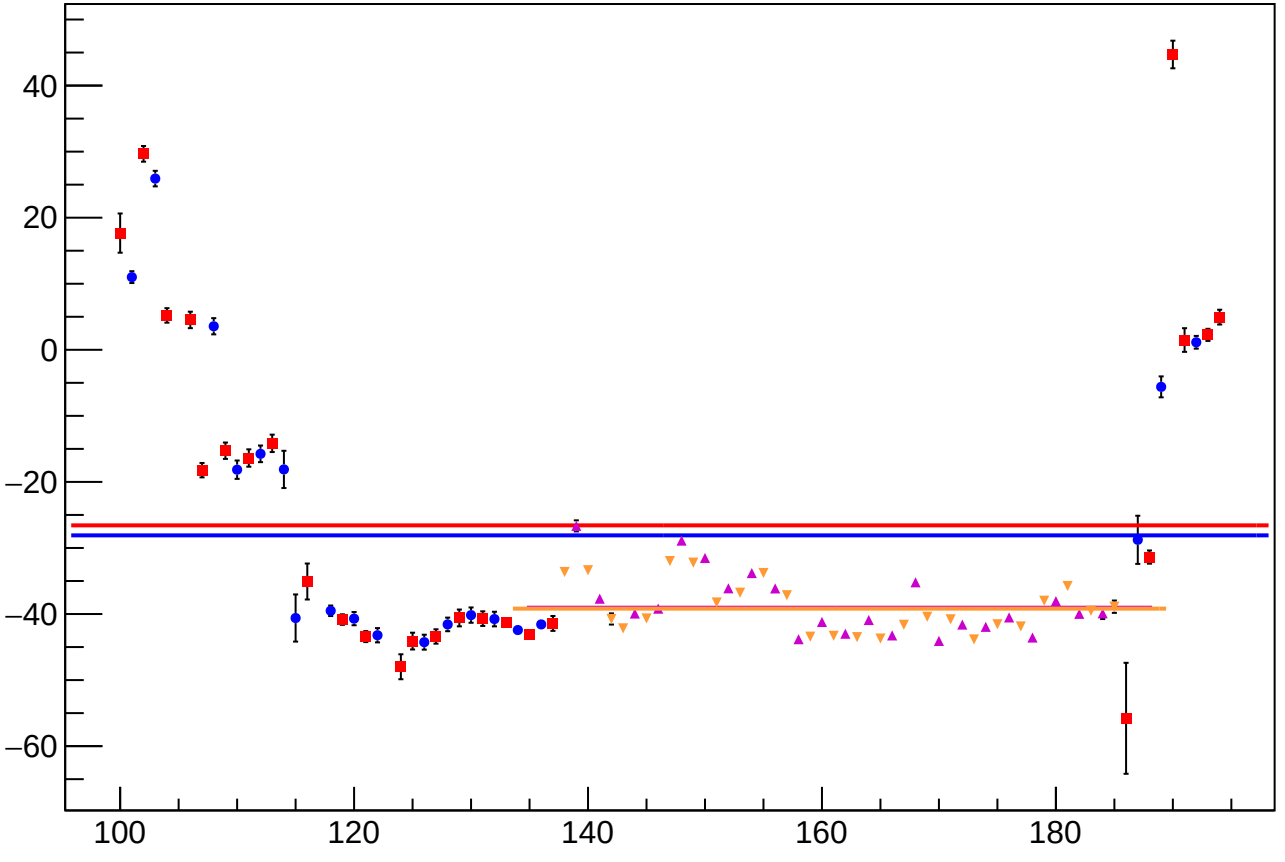
Right: -5.497+/-0.135 χ^2/NDF: 409.6/43

In: -8.796+/-0.116 χ^2/NDF:1566.0/41

Out: -8.300+/-0.108 χ^2/NDF:1927.3/49

All: -8.529+/-0.079 χ^2/NDF: 3503.1/91

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -28.091+/-0.238 χ^2/NDF: 8161.8/18

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -26.576+/-0.217 χ^2/NDF: 10554.5/24

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

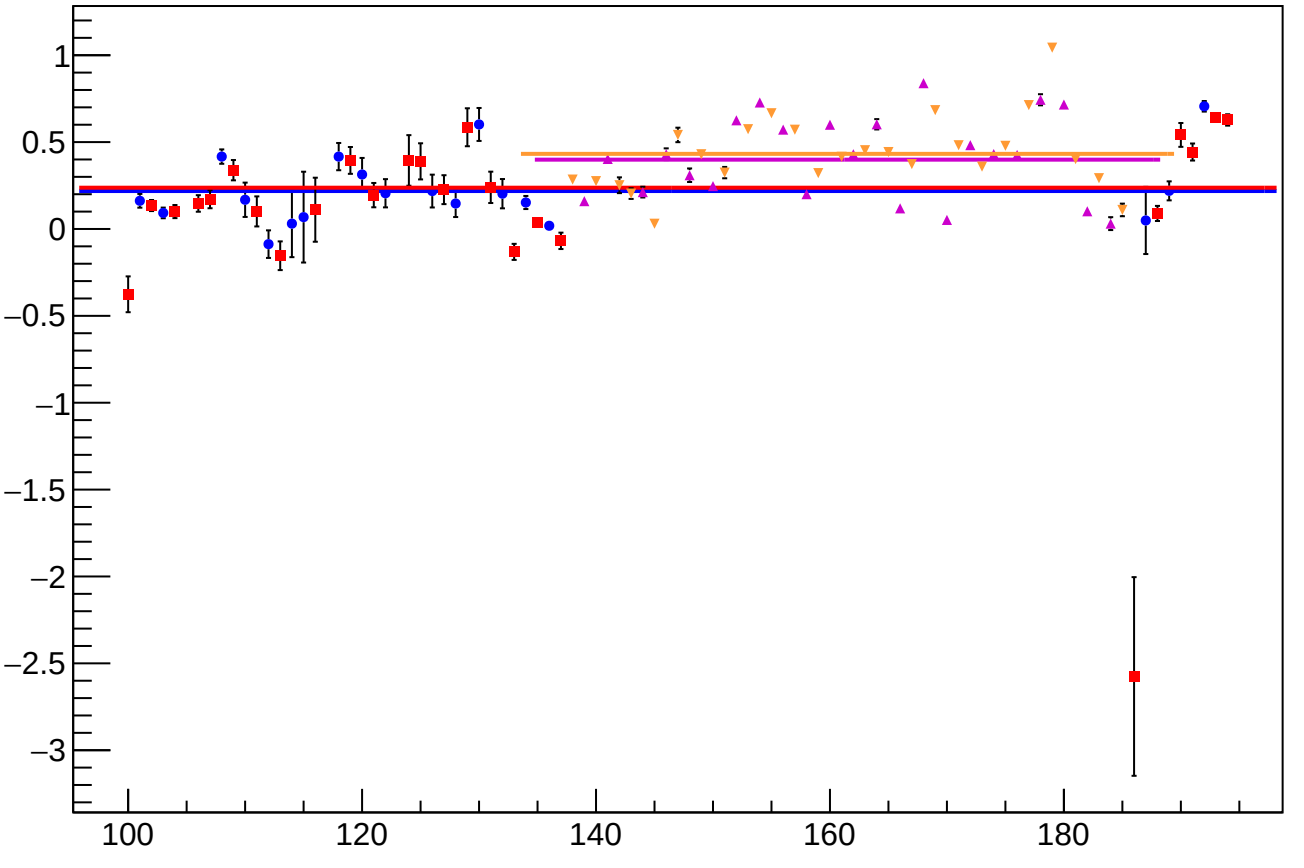
Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

Right: -27.264+/-0.160 χ^2/NDF: 18738.5/43

In: -36.701+/-0.110 χ^2/NDF:11050.5/41

Out: -36.231+/-0.105 χ^2/NDF:14172.8/49

All: -36.455+/-0.076 χ^2/NDF: 25232.9/91



Right In: 0.218+/-0.011 χ^2/NDF: 429.6/18

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.238+/-0.010 χ^2/NDF: 694.8/24

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

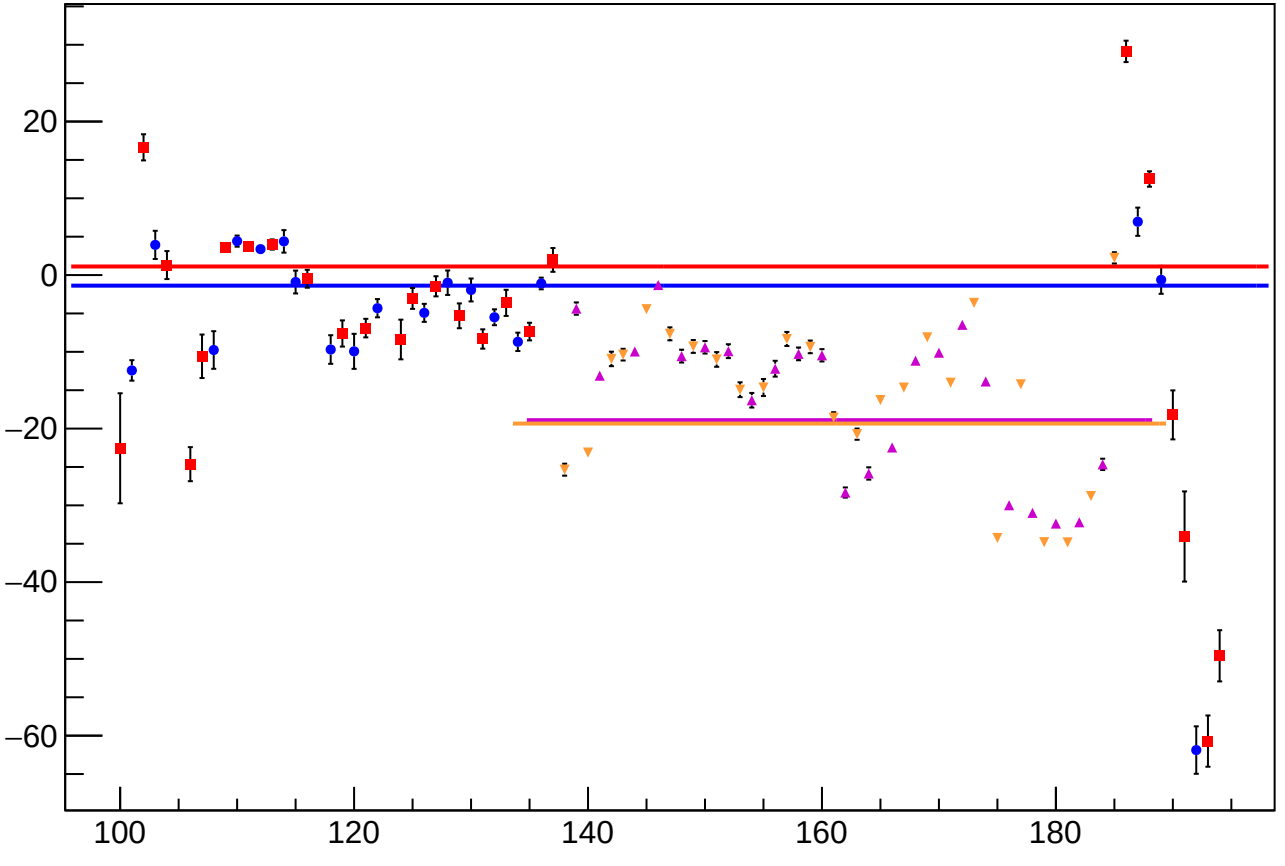
Right: 0.229+/-0.008 χ^2/NDF: 1126.1/43

In: 0.366+/-0.005 χ^2/NDF:2562.4/41

Out: 0.390+/-0.005 χ^2/NDF:2357.3/49

All: 0.378+/-0.003 χ^2/NDF: 4932.4/91

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.378+/-0.273 χ^2/NDF: 736.6/18

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: 1.117+/-0.251 χ^2/NDF: 1711.3/24

Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

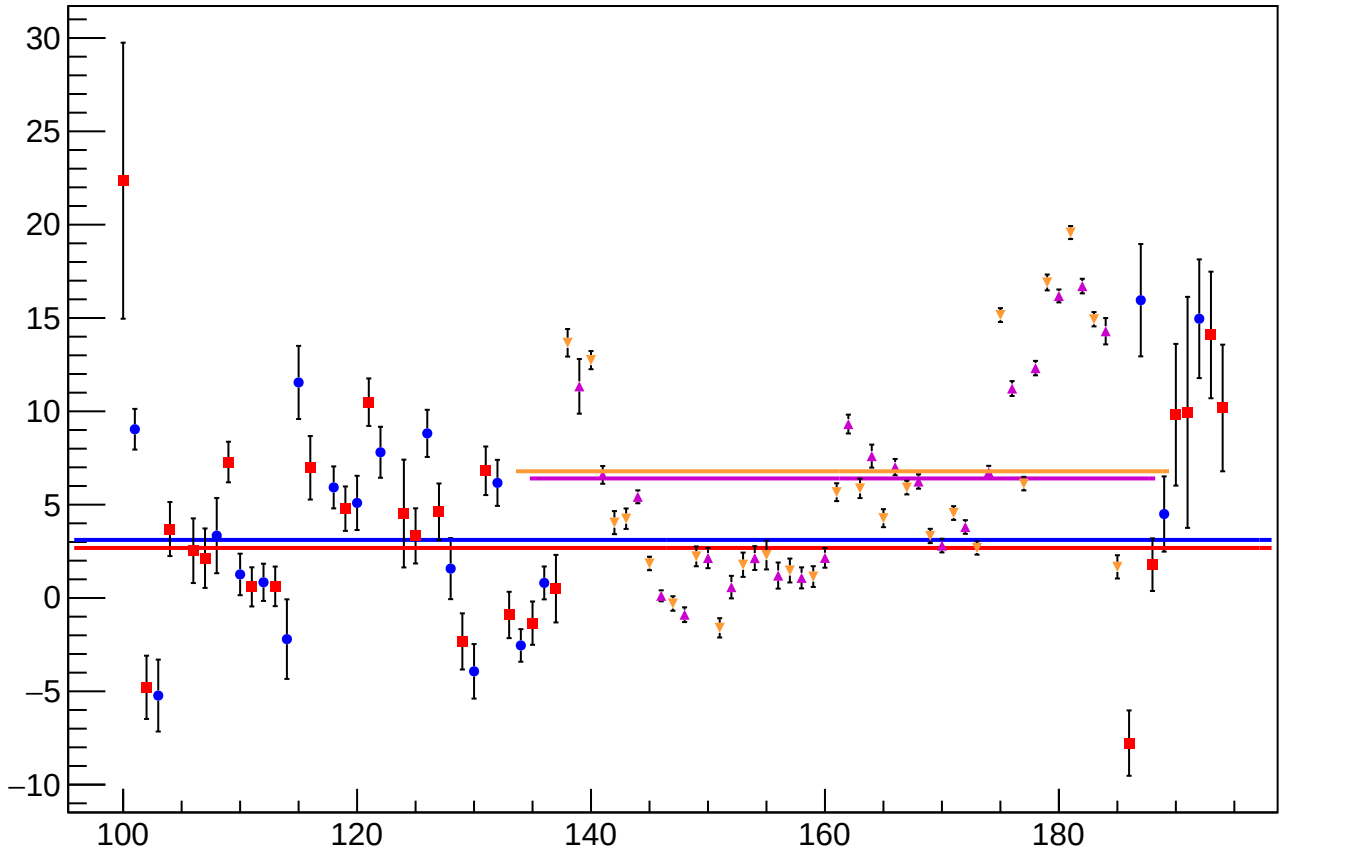
Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

Right: -0.024+/-0.185 χ^2/NDF: 2493.2/43

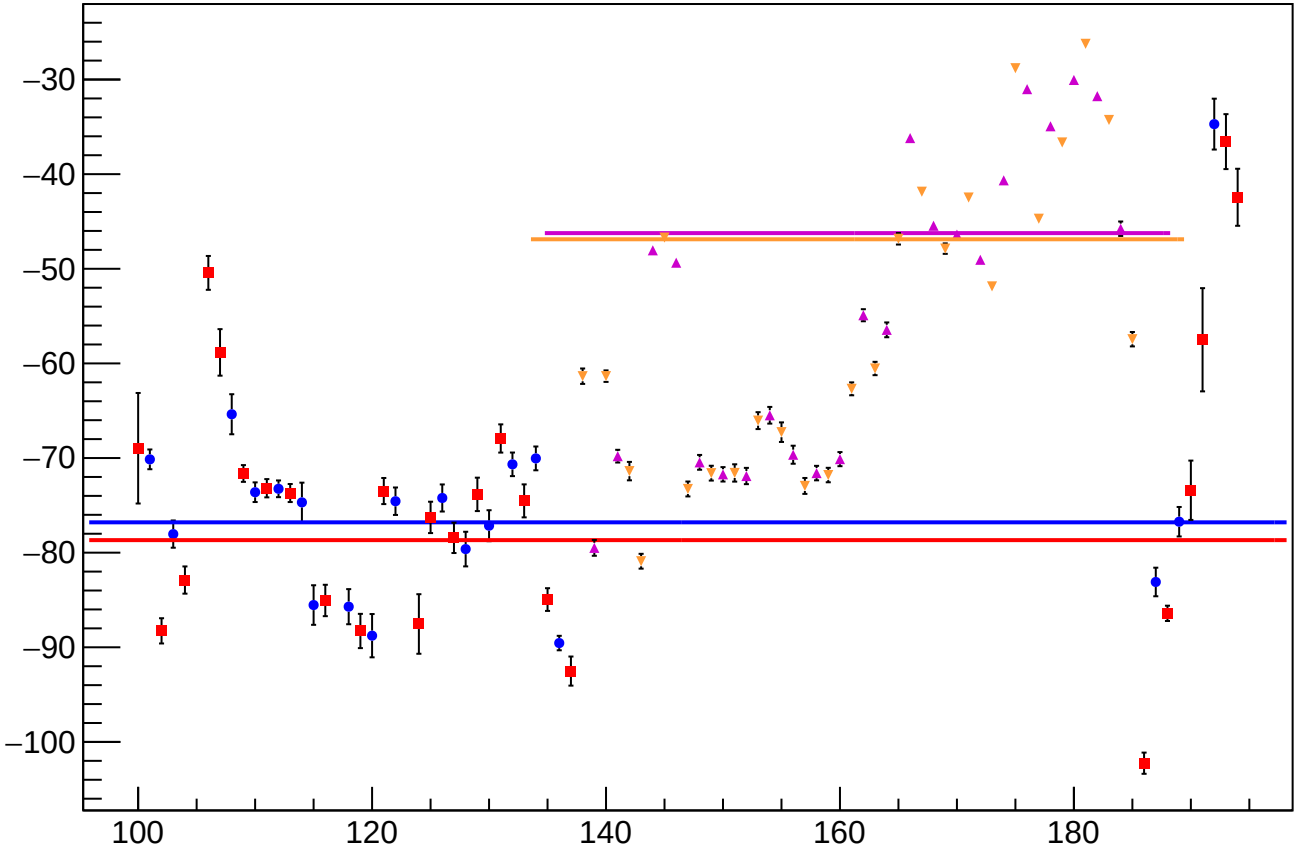
In: -16.219+/-0.107 χ^2/NDF:12508.8/41

Out: -15.870+/-0.103 χ^2/NDF:17642.9/49

All: -16.038+/-0.074 χ^2/NDF: 30157.2/91


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
Right In: 3.111+/-0.307 χ²/NDF: 233.0/18
Left Out: 6.788+/-0.090 χ²/NDF:4632.5/24
Right Out: 2.681+/-0.305 χ²/NDF: 202.4/24
Left In: 6.404+/-0.091 χ²/NDF:3410.4/22
Left: 6.598+/-0.064 χ²/NDF: 8051.9/47
Right: 2.895+/-0.216 χ²/NDF: 436.4/43
In: 6.137+/-0.087 χ²/NDF:3749.4/41
Out: 6.459+/-0.086 χ²/NDF:5001.3/49
All: 6.300+/-0.061 χ²/NDF: 8757.6/91

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.795+/-0.310 χ^2/NDF: 766.8/18

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -78.675+/-0.289 χ^2/NDF: 1648.1/24

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

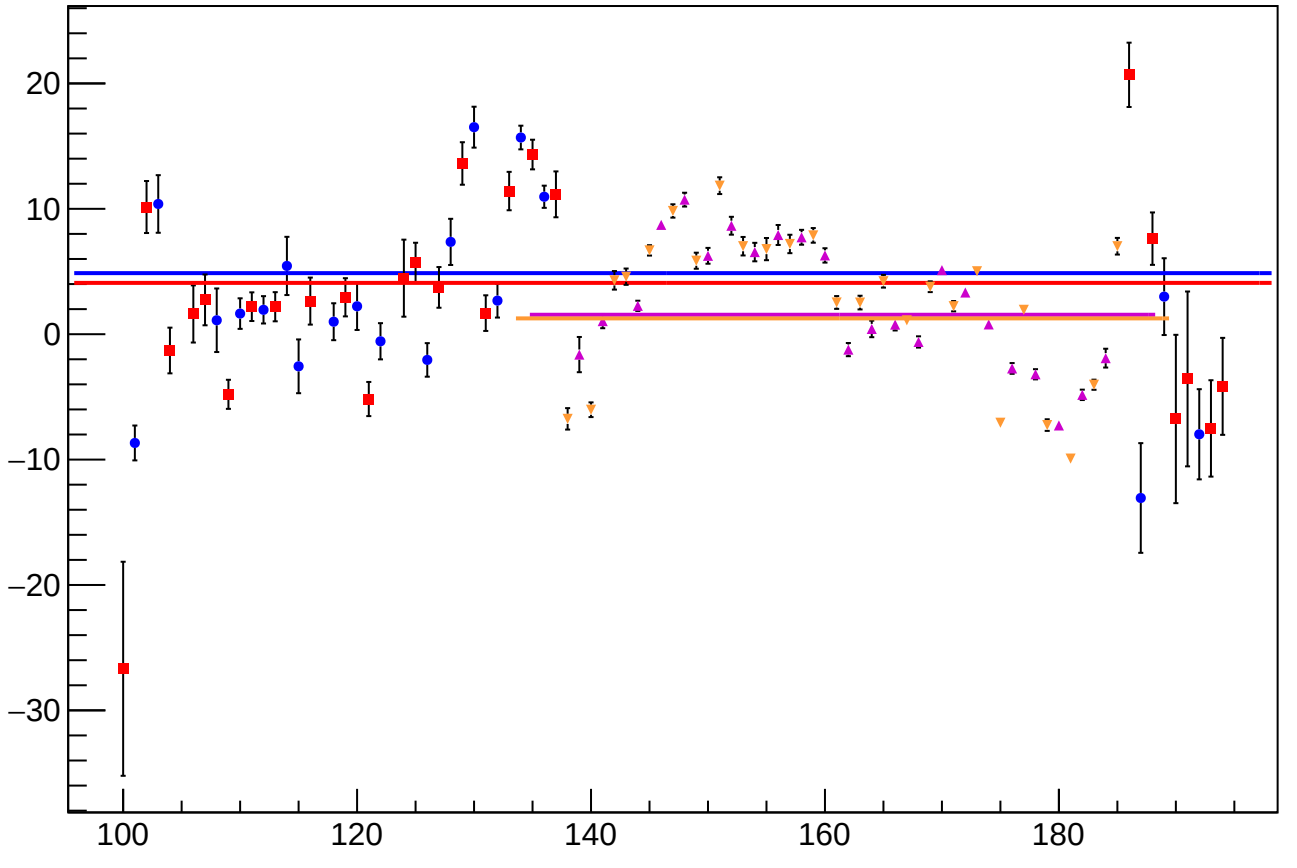
Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

Right: -77.801+/-0.212 χ^2/NDF: 2434.5/43

In: -49.992+/-0.109 χ^2/NDF:24440.6/41

Out: -51.153+/-0.106 χ^2/NDF:30086.7/49

All: -50.588+/-0.076 χ^2/NDF: 54585.6/91



Right In: 4.871+/-0.345 χ^2/NDF: 442.8/18

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 4.093+/-0.349 χ^2/NDF: 354.0/24

Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

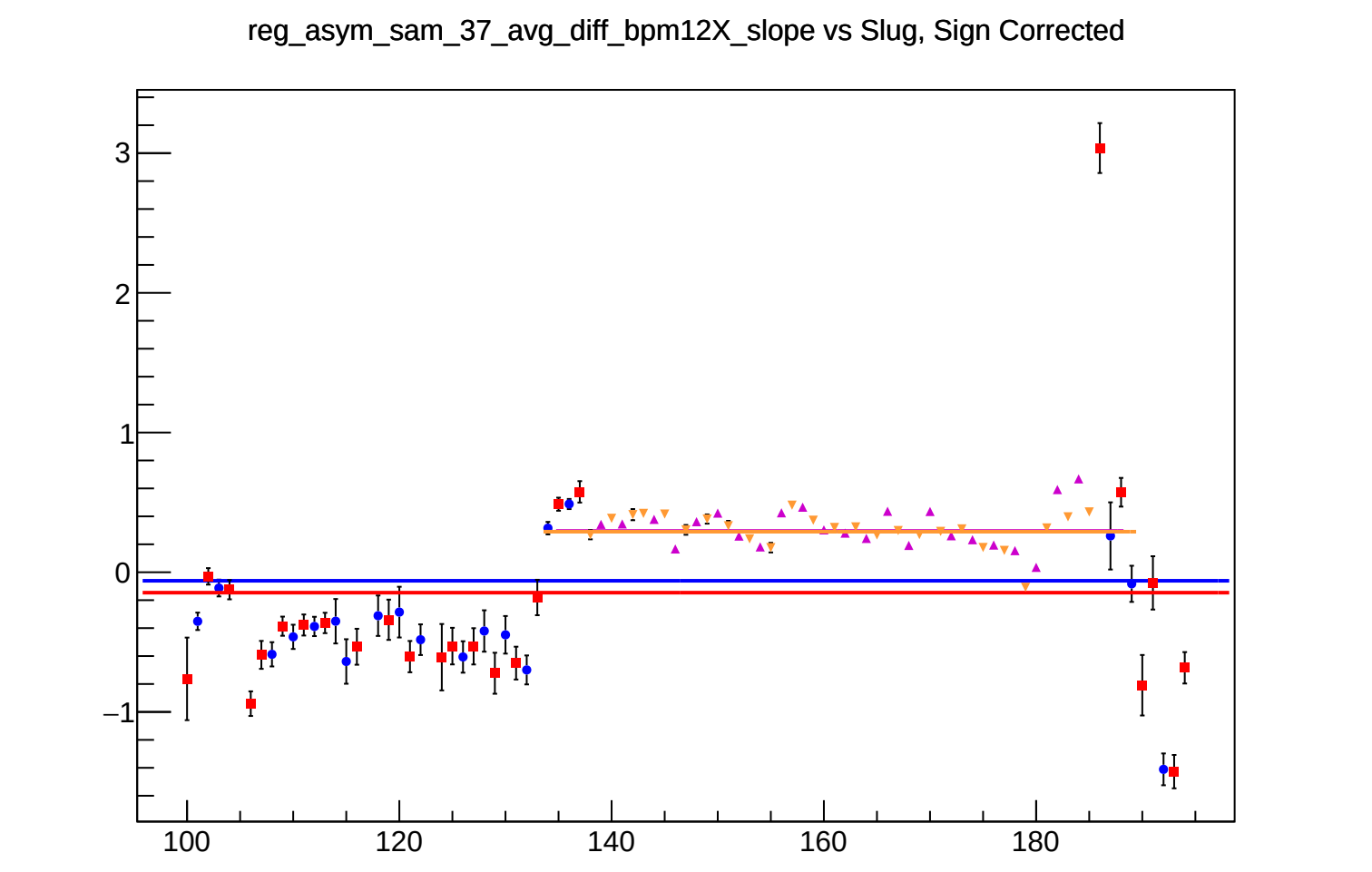
Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

Right: 4.487+/-0.245 χ^2/NDF: 799.4/43

In: 1.818+/-0.098 χ^2/NDF:2863.8/41

Out: 1.478+/-0.096 χ^2/NDF:3860.5/49

All: 1.646+/-0.069 χ^2/NDF: 6730.4/91



Right In: -0.061+/-0.018 χ^2/NDF: 658.5/18

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.146+/-0.019 χ^2/NDF: 1008.8/24

Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

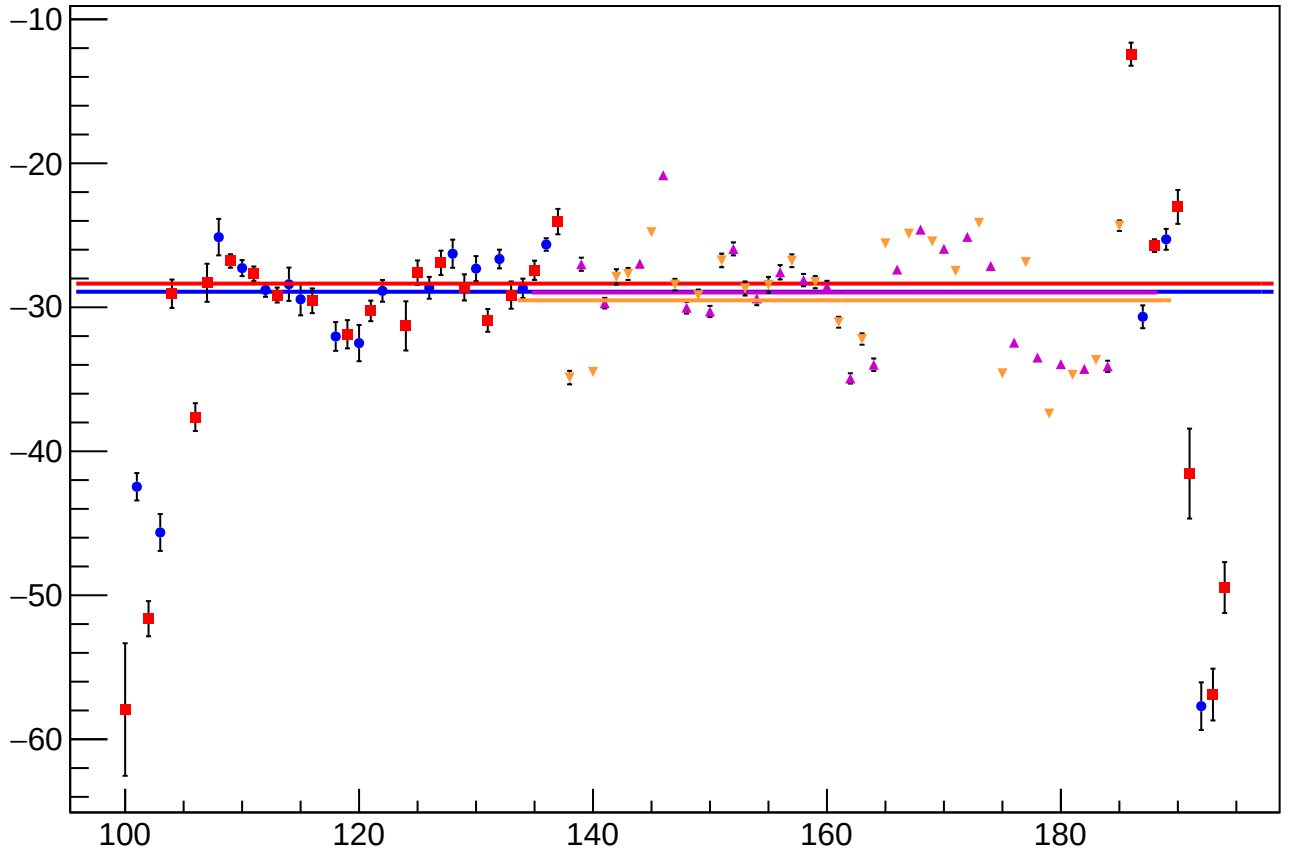
Left: 0.293+/-0.003 χ^2/NDF: 1755.3/47

Right: -0.102+/-0.013 χ^2/NDF: 1677.6/43

In: 0.275+/-0.004 χ^2/NDF:2046.0/41

Out: 0.267+/-0.004 χ^2/NDF:2228.6/49

All: 0.271+/-0.003 χ^2/NDF: 4276.0/91



Right In: -28.919+/-0.175 χ^2/NDF: 822.0/18

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -28.355+/-0.161 χ^2/NDF: 1443.2/24

Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

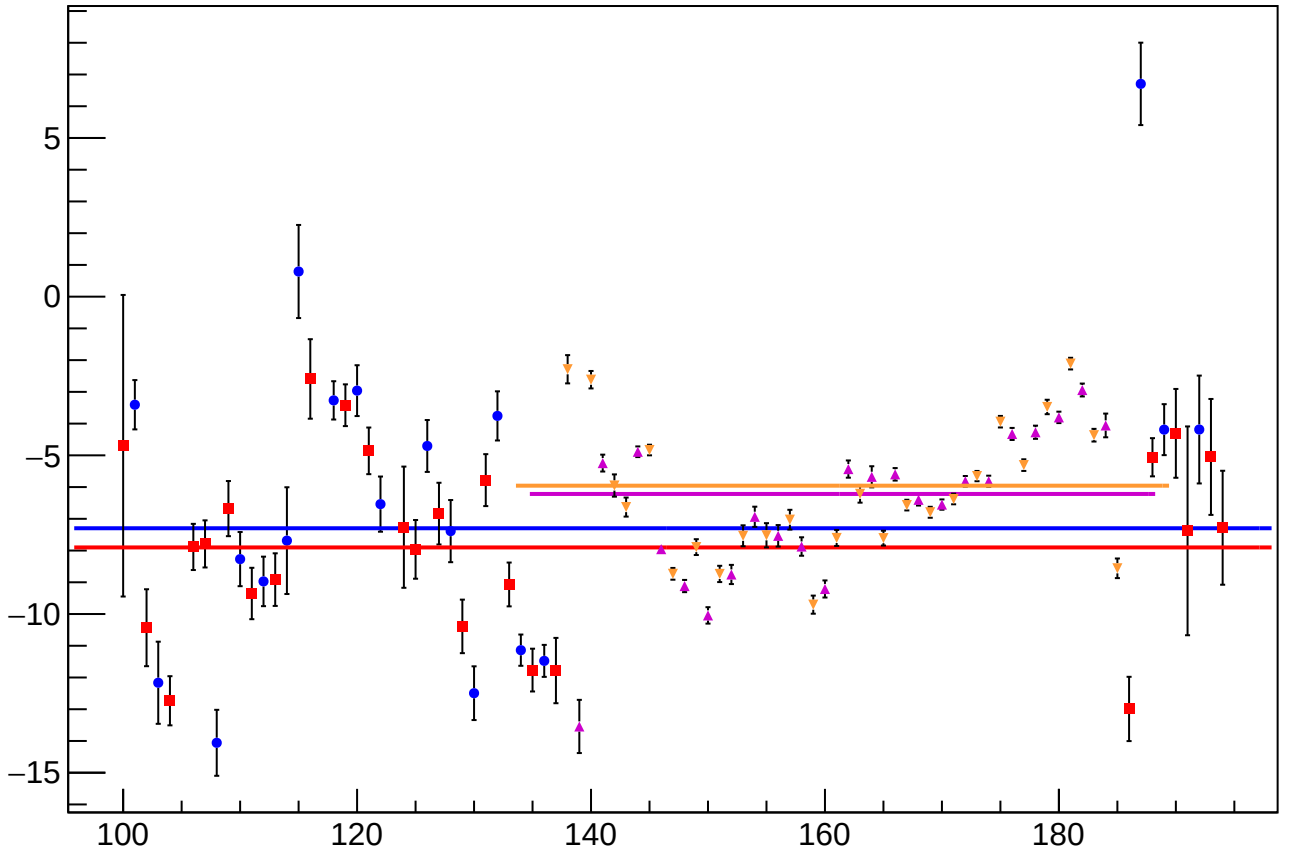
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -28.614+/-0.118 χ^2/NDF: 2270.8/43

In: -28.966+/-0.054 χ^2/NDF:6170.6/41

Out: -29.389+/-0.053 χ^2/NDF:7578.1/49

All: -29.182+/-0.038 χ^2/NDF: 13779.8/91



Right In: -7.297+/-0.186 χ^2/NDF: 525.5/18

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -7.902+/-0.180 χ^2/NDF: 255.4/24

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

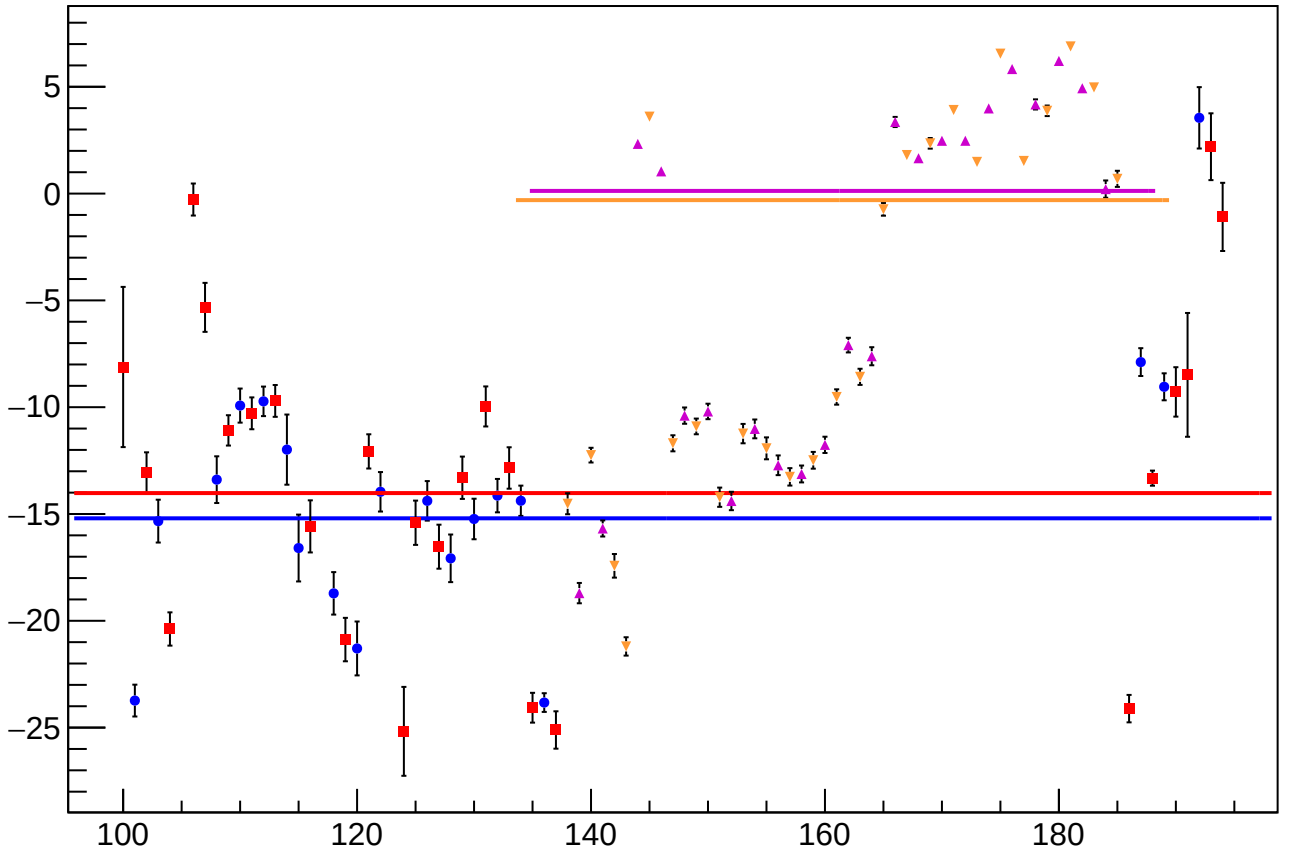
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.610+/-0.130 χ^2/NDF: 786.3/43

In: -6.274+/-0.043 χ^2/NDF:2299.1/41

Out: -6.068+/-0.043 χ^2/NDF:2223.1/49

All: -6.171+/-0.030 χ^2/NDF: 4533.7/91



Right In: -15.202+/-0.188 χ^2/NDF: 1068.9/18

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -14.021+/-0.169 χ^2/NDF: 1462.1/24

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

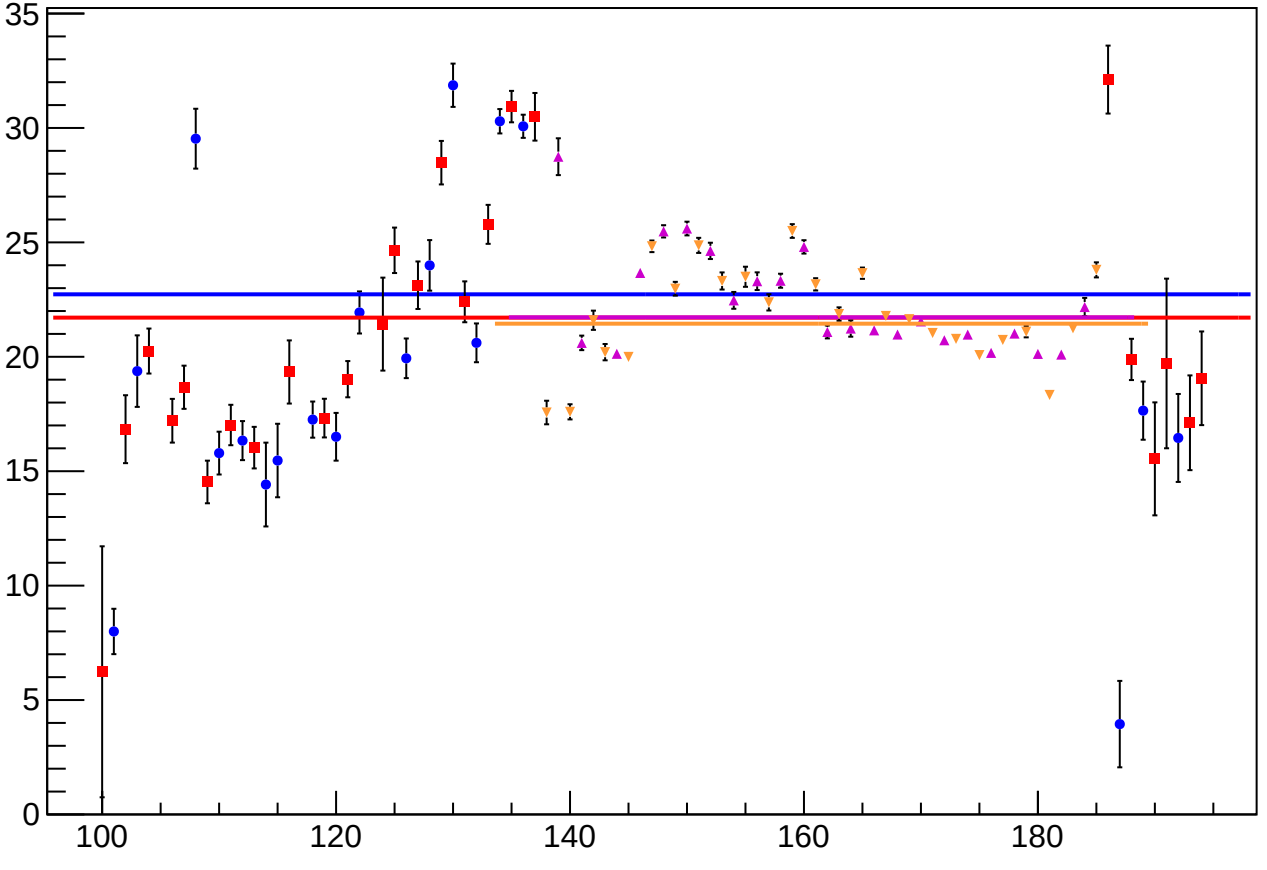
Right: -14.548+/-0.126 χ^2/NDF: 2552.9/43

In: -1.160+/-0.055 χ^2/NDF:20968.8/41

Out: -1.685+/-0.054 χ^2/NDF:24556.4/49

All: -1.427+/-0.038 χ^2/NDF: 45572.3/91

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.730+/-0.212 χ^2/NDF: 1138.7/18

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.712+/-0.212 χ^2/NDF: 624.6/24

Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

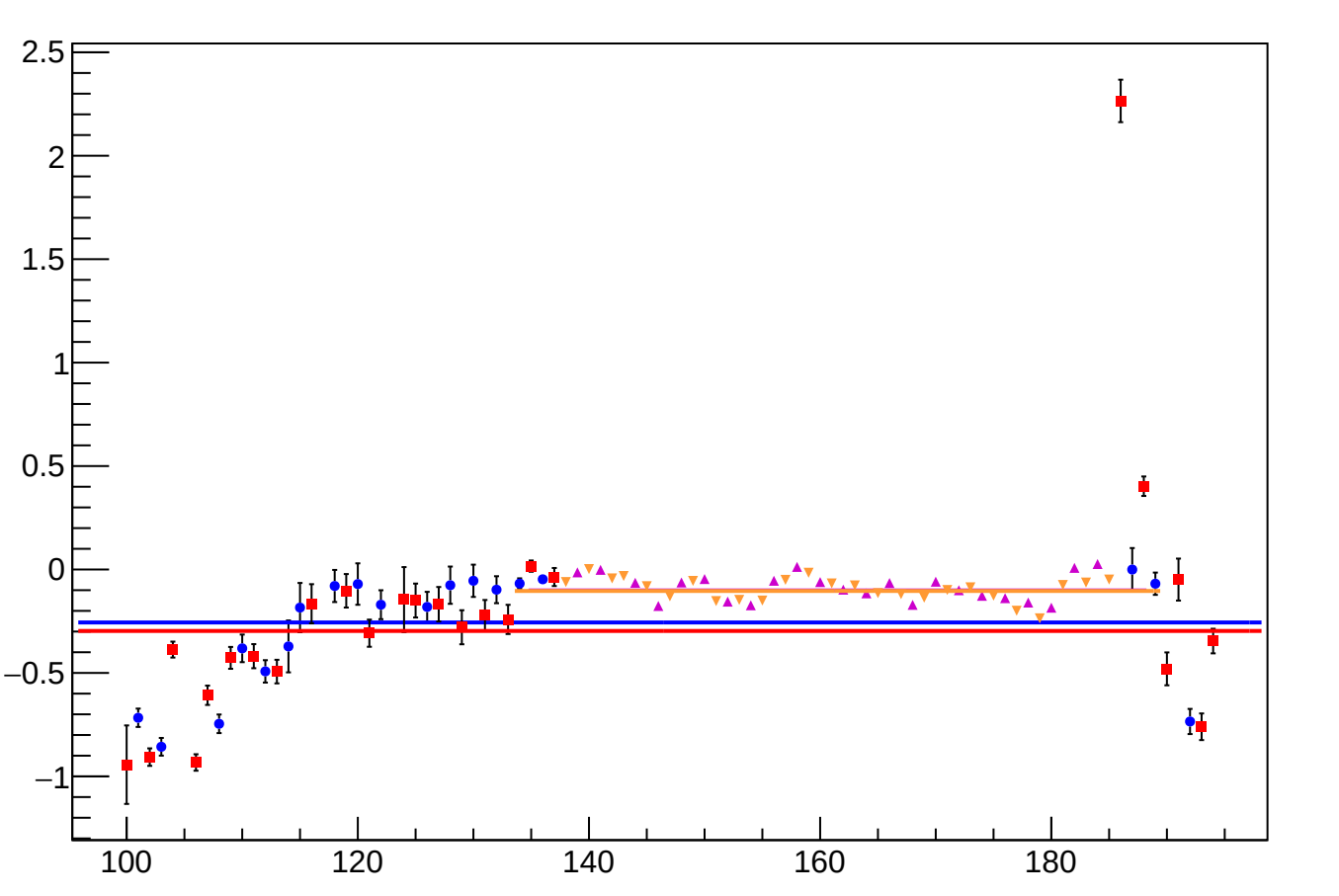
Left: 21.586+/-0.035 χ^2/NDF: 2514.7/47

Right: 22.220+/-0.150 χ^2/NDF: 1774.8/43

In: 21.777+/-0.048 χ^2/NDF:2333.6/41

Out: 21.461+/-0.048 χ^2/NDF:1951.3/49

All: 21.619+/-0.034 χ^2/NDF: 4306.4/91



Right In: -0.256+/-0.011 χ^2/NDF: 713.8/18

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.297+/-0.011 χ^2/NDF: 1640.2/24

Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

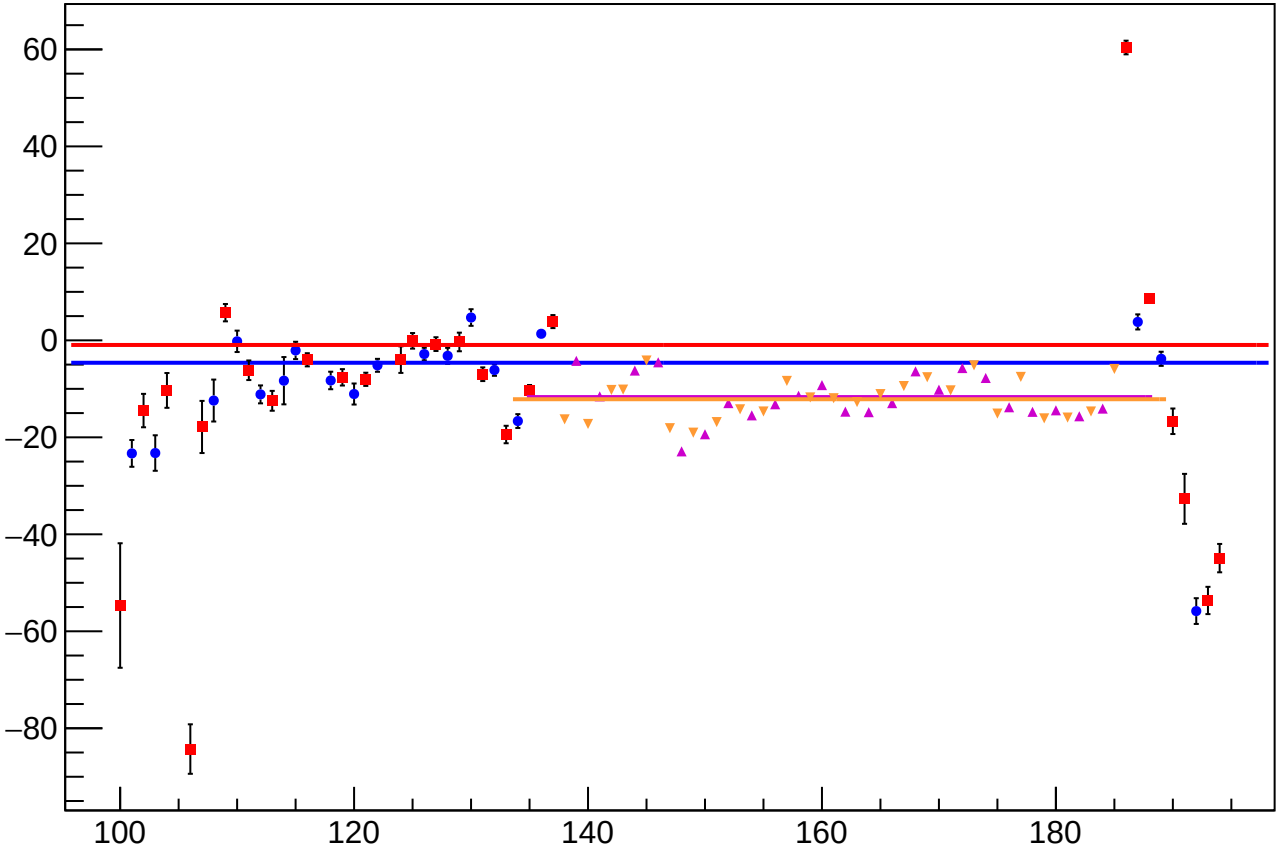
Right: -0.276+/-0.008 χ^2/NDF: 2360.7/43

In: -0.107+/-0.002 χ^2/NDF:1657.0/41

Out: -0.111+/-0.002 χ^2/NDF:2471.2/49

All: -0.109+/-0.002 χ^2/NDF: 4129.5/91

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.621+/-0.356 χ^2/NDF: 691.1/18

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -0.950+/-0.344 χ^2/NDF: 3314.1/24

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

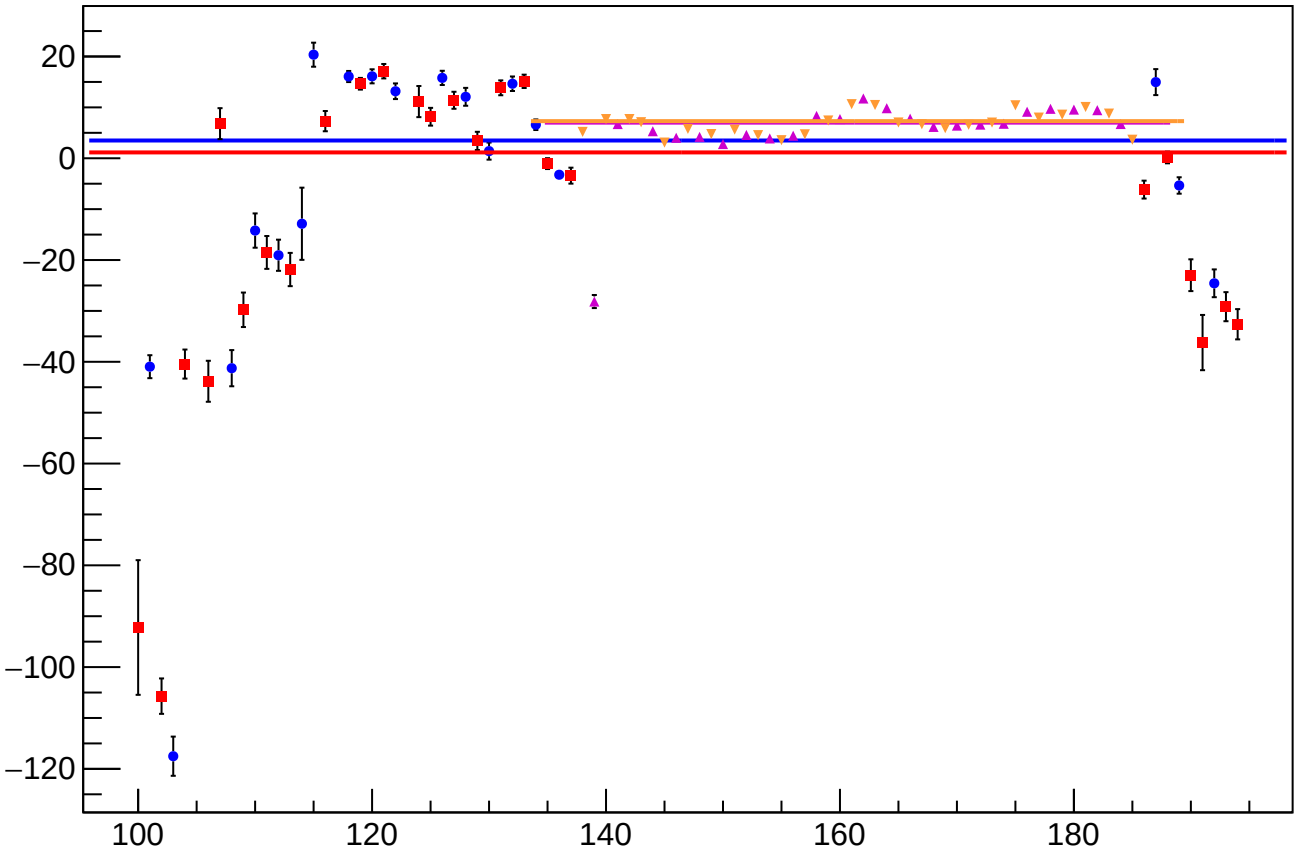
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -2.725+/-0.248 χ^2/NDF: 4060.0/43

In: -11.234+/-0.091 χ^2/NDF:3011.2/41

Out: -11.405+/-0.088 χ^2/NDF:6430.9/49

All: -11.322+/-0.063 χ^2/NDF: 9443.9/91



Right In: 3.491+/-0.367 χ^2/NDF: 2329.3/18

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: 1.149+/-0.377 χ^2/NDF: 2410.8/24

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

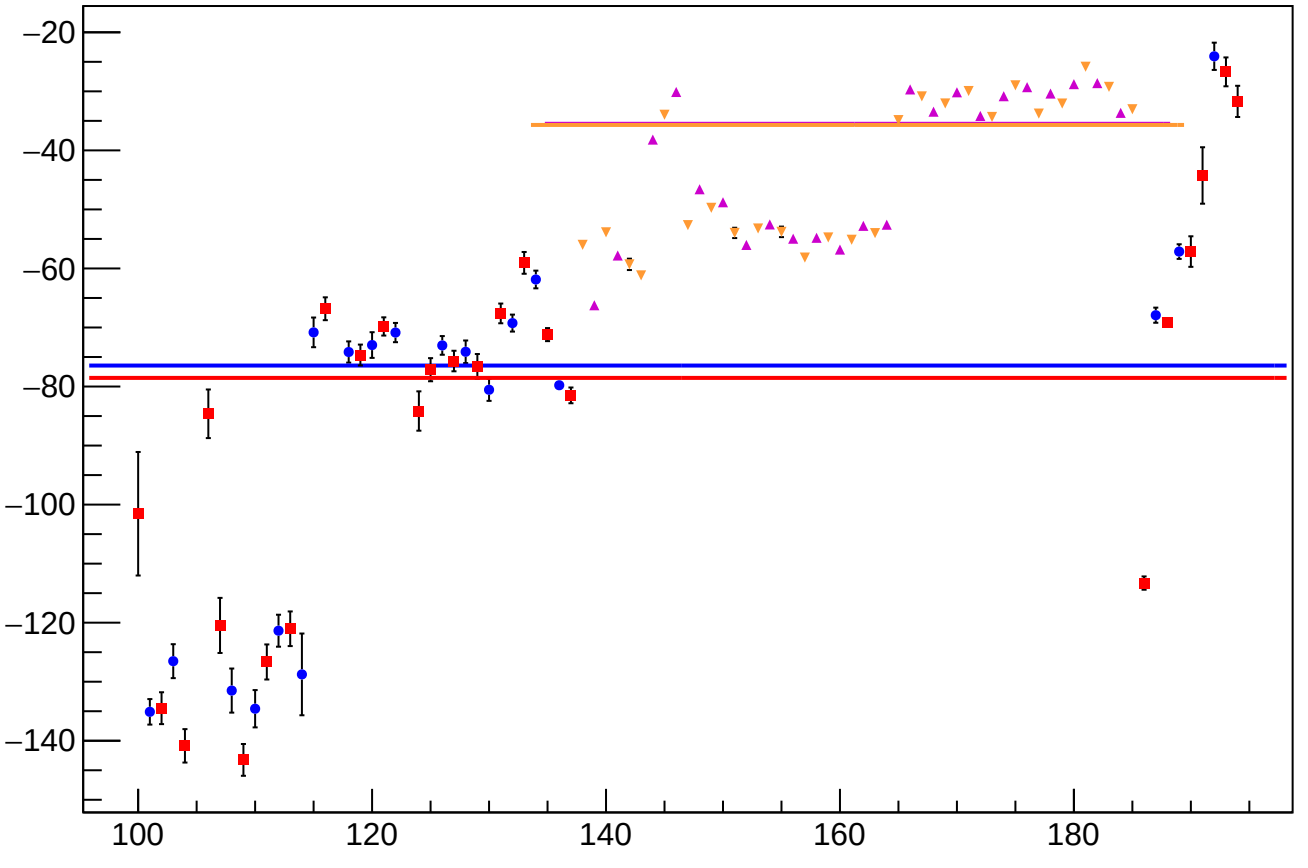
Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

Right: 2.350+/-0.263 χ^2/NDF: 4759.9/43

In: 6.860+/-0.074 χ^2/NDF:3993.1/41

Out: 7.063+/-0.073 χ^2/NDF:3489.9/49

All: 6.963+/-0.052 χ^2/NDF: 7486.7/91



Right In: -76.447+/-0.373 χ^2/NDF: 2903.6/18

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -78.538+/-0.348 χ^2/NDF: 4372.1/24

Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

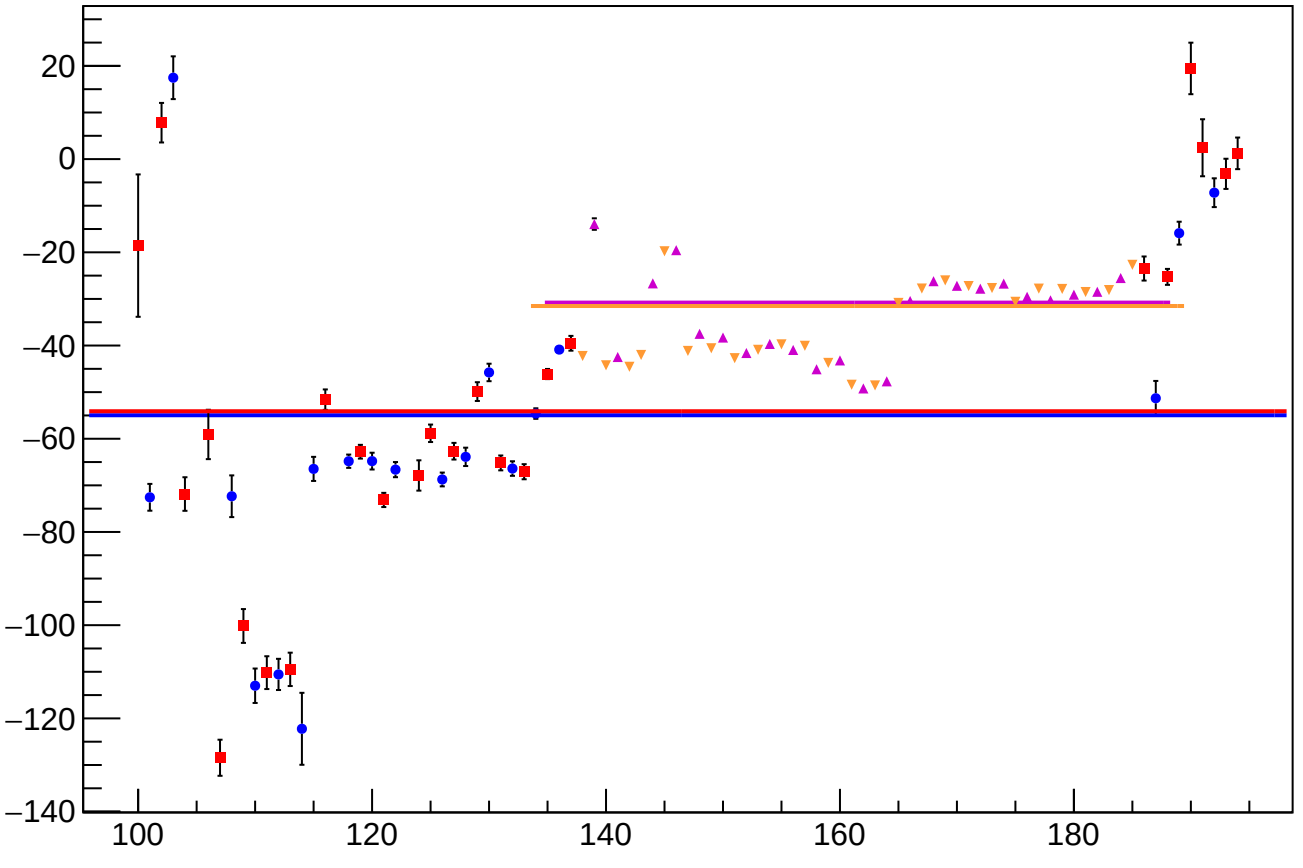
Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

Right: -77.565+/-0.254 χ^2/NDF: 7292.6/43

In: -37.975+/-0.092 χ^2/NDF:25408.6/41

Out: -38.508+/-0.089 χ^2/NDF:31342.7/49

All: -38.249+/-0.064 χ^2/NDF: 56768.6/91



Right In: -54.958+/-0.413 χ^2/NDF: 2045.2/18

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -54.097+/-0.436 χ^2/NDF: 2961.8/24

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

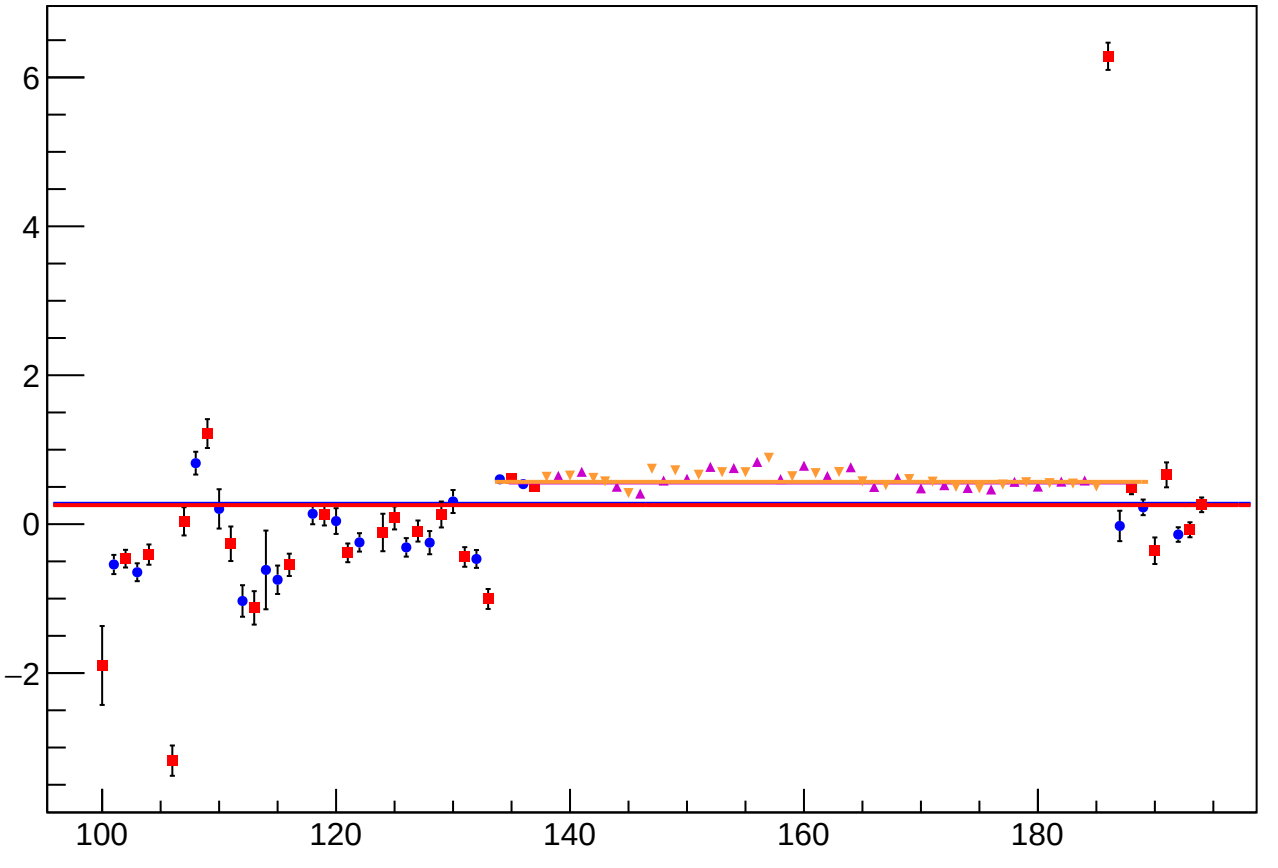
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

Right: -54.551+/-0.300 χ^2/NDF: 5009.0/43

In: -31.755+/-0.083 χ^2/NDF:12880.7/41

Out: -32.305+/-0.081 χ^2/NDF:14007.1/49

All: -32.035+/-0.058 χ^2/NDF: 26910.3/91



Right In: 0.273+/-0.022 χ^2/NDF: 396.6/18

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.256+/-0.023 χ^2/NDF: 1816.9/24

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

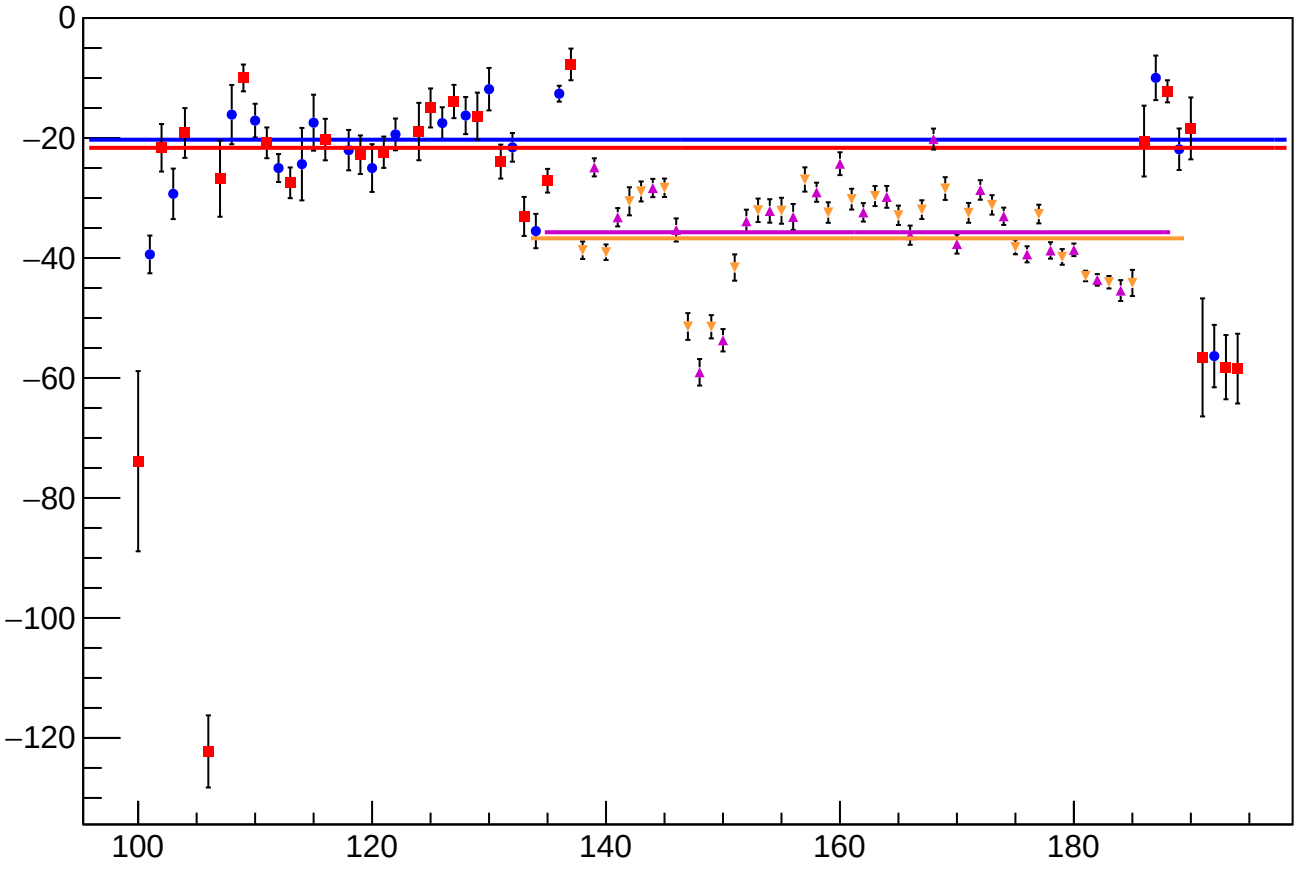
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.265+/-0.016 χ^2/NDF: 2213.8/43

In: 0.552+/-0.004 χ^2/NDF:1236.9/41

Out: 0.561+/-0.004 χ^2/NDF:2549.0/49

All: 0.556+/-0.003 χ^2/NDF: 3788.9/91



Right In: -20.281+/-0.664 χ^2/NDF: 176.9/18

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -21.638+/-0.645 χ^2/NDF: 514.4/24

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

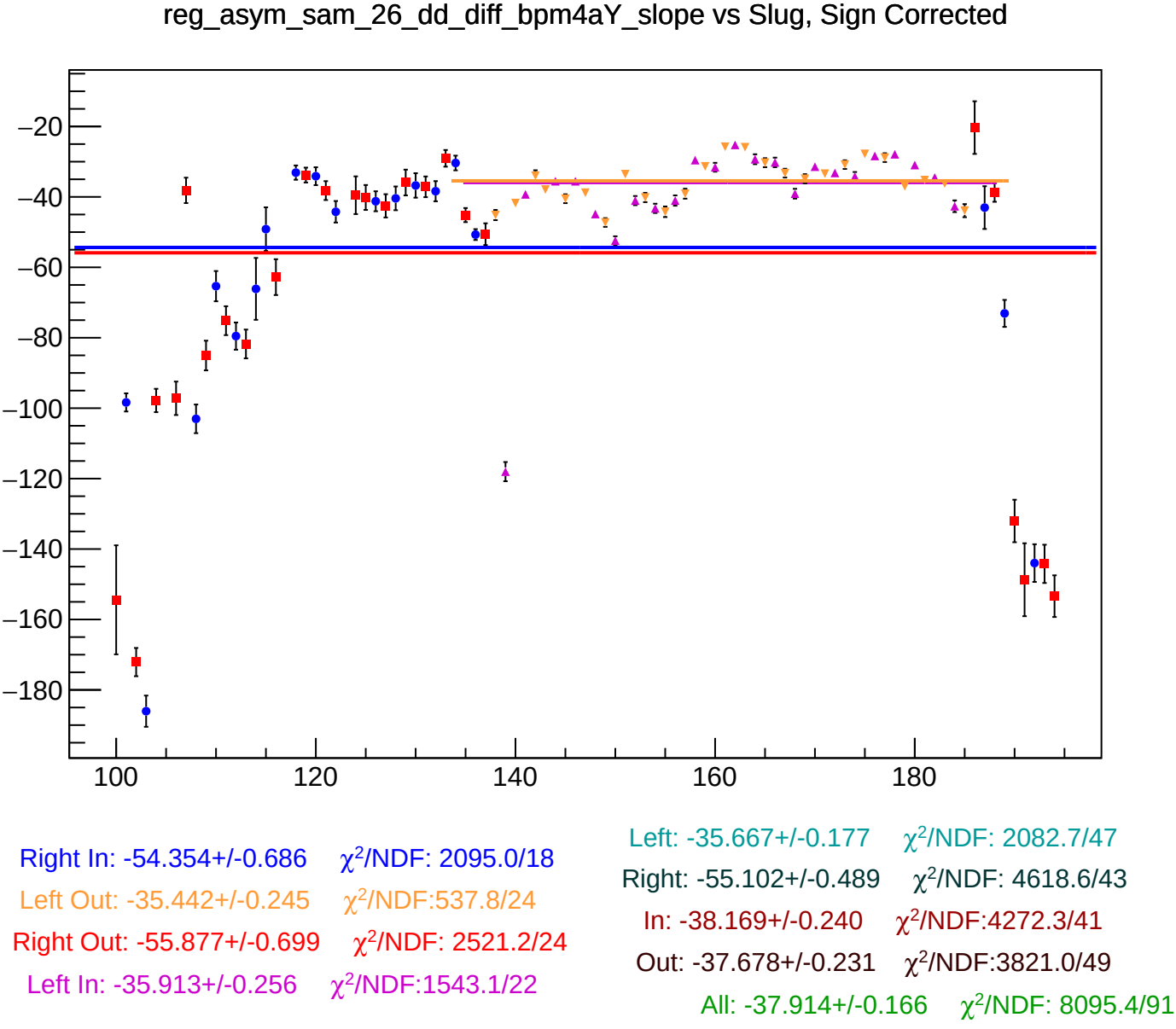
Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

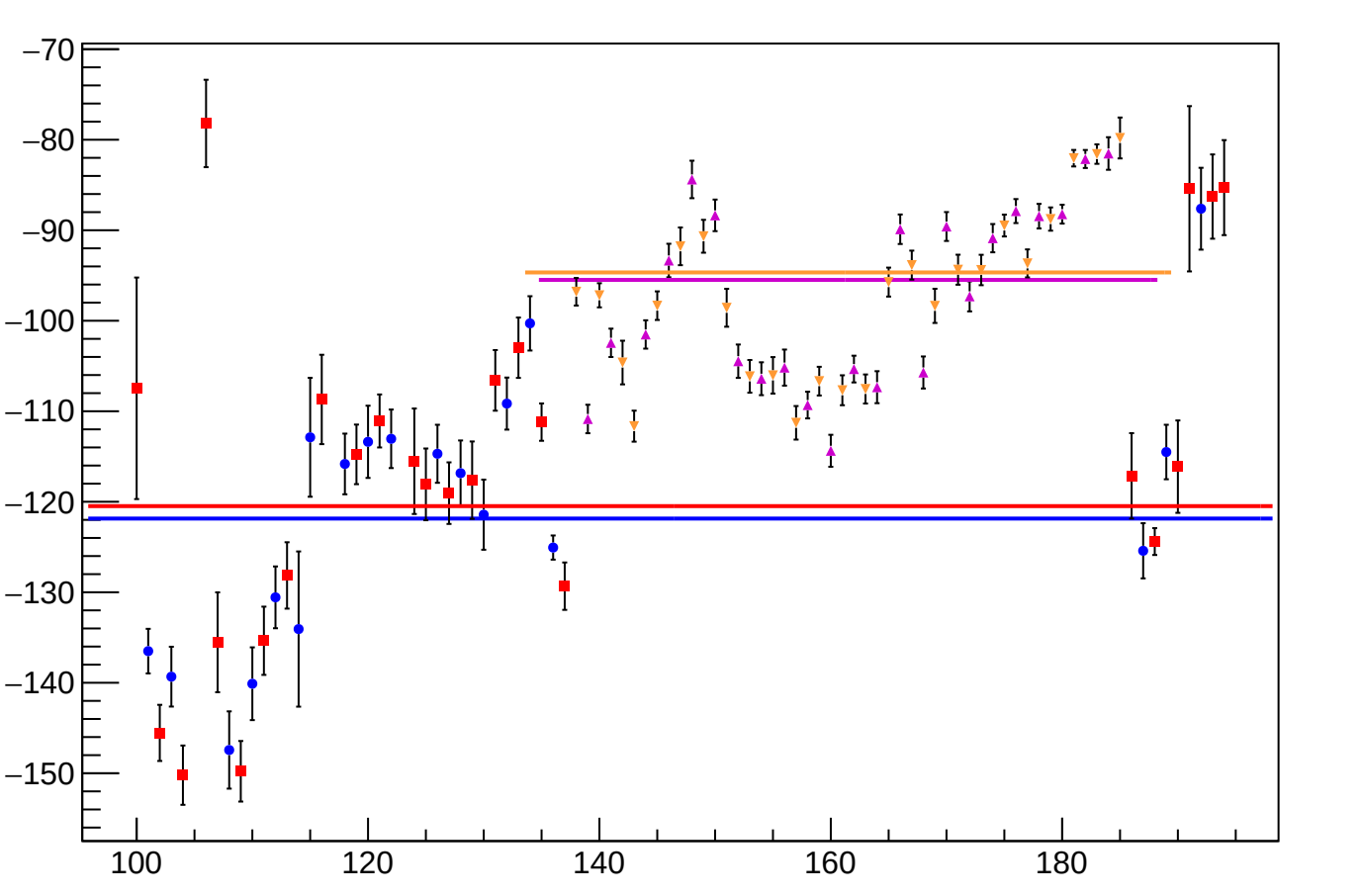
Right: -20.979+/-0.463 χ^2/NDF: 693.4/43

In: -32.756+/-0.291 χ^2/NDF:1191.2/41

Out: -33.894+/-0.280 χ^2/NDF:1378.9/49

All: -33.347+/-0.201 χ^2/NDF: 2578.1/91


reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
−160
−180
100
120
140
160
180
Right In: -54.354+/-0.686 χ²/NDF: 2095.0/18
Left Out: -35.442+/-0.245 χ²/NDF:537.8/24
Right Out: -55.877+/-0.699 χ²/NDF: 2521.2/24
Left In: -35.913+/-0.256 χ²/NDF:1543.1/22
Left: -35.667+/-0.177 χ²/NDF: 2082.7/47
Right: -55.102+/-0.489 χ²/NDF: 4618.6/43
In: -38.169+/-0.240 χ²/NDF:4272.3/41
Out: -37.678+/-0.231 χ²/NDF:3821.0/49
All: -37.914+/-0.166 χ²/NDF: 8095.4/91



Right In: -121.857+/-0.699 χ^2/NDF: 293.9/18

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -120.482+/-0.676 χ^2/NDF: 548.5/24

Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

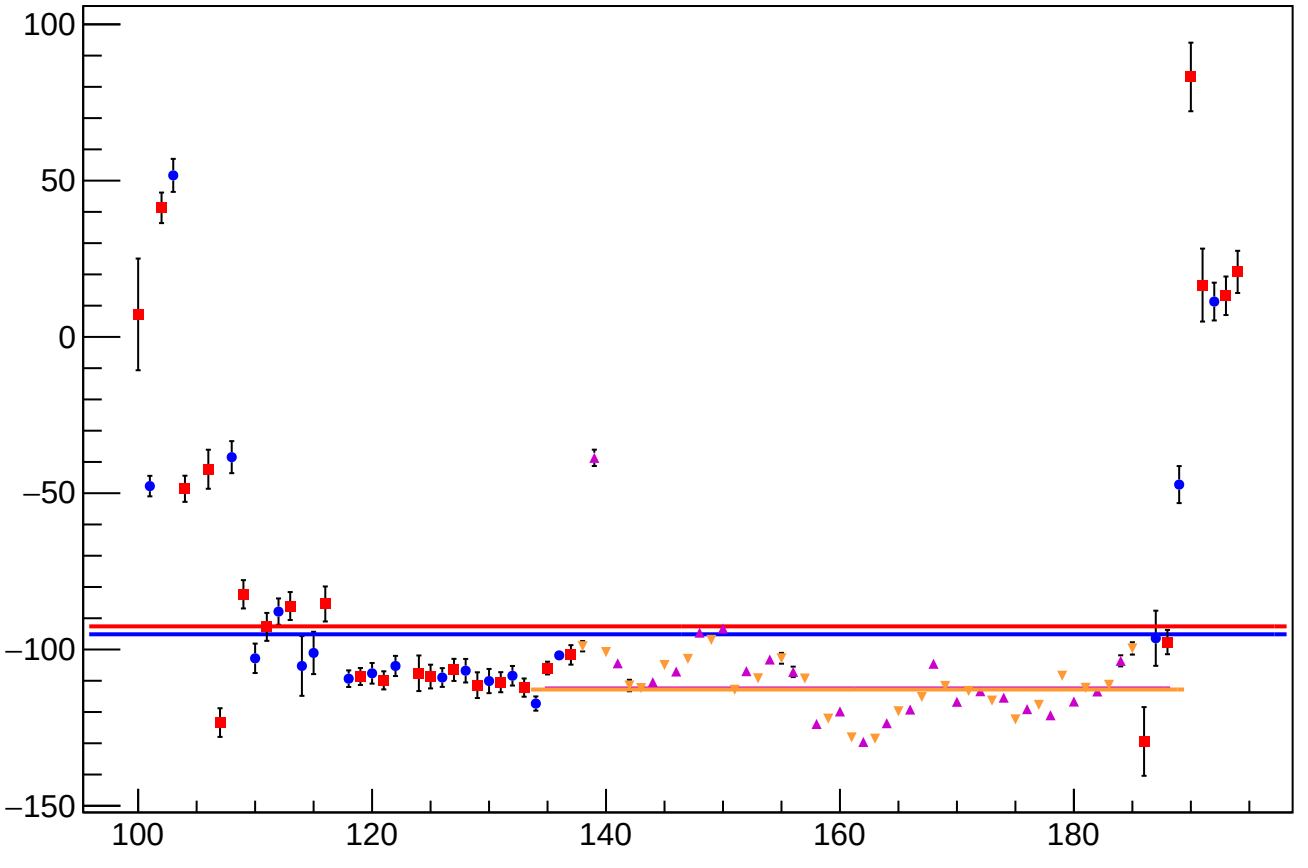
Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

Right: -121.146+/-0.486 χ^2/NDF: 844.4/43

In: -100.082+/-0.292 χ^2/NDF:2437.9/41

Out: -99.148+/-0.282 χ^2/NDF:2655.1/49

All: -99.598+/-0.203 χ^2/NDF: 5098.3/91



Right In: -95.136+/-0.776 χ^2/NDF: 1717.4/18

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -92.599+/-0.804 χ^2/NDF: 2205.1/24

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

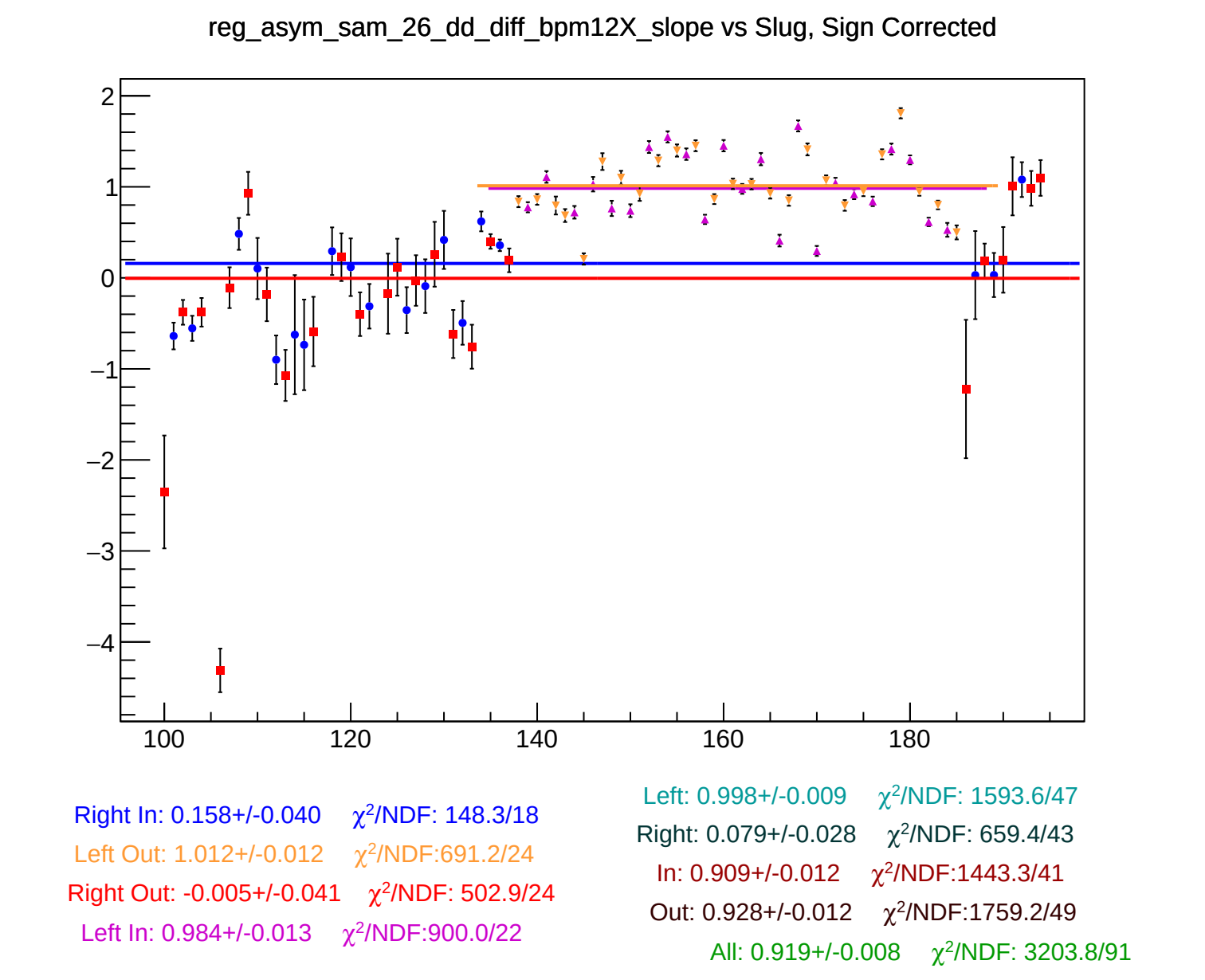
Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

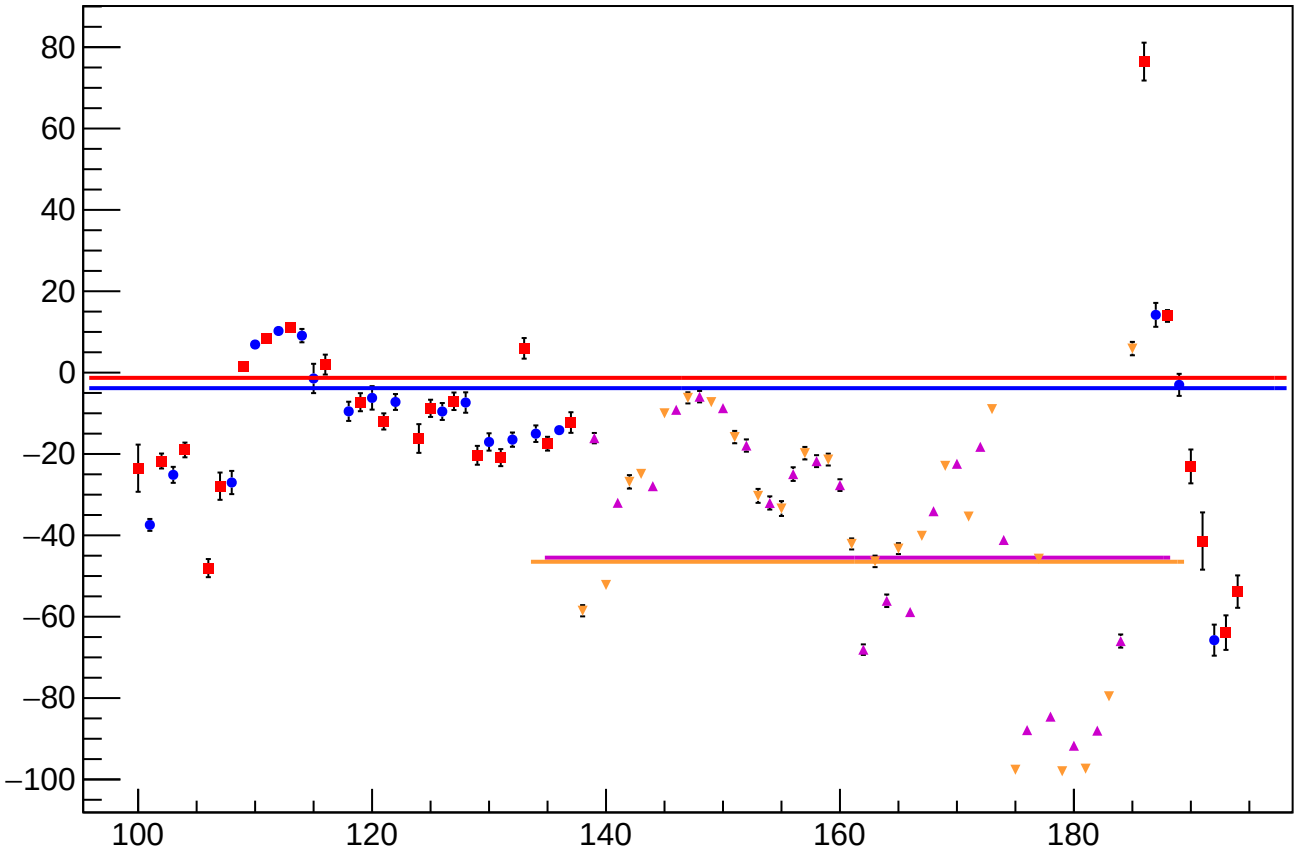
Right: -93.912+/-0.559 χ^2/NDF: 3927.6/43

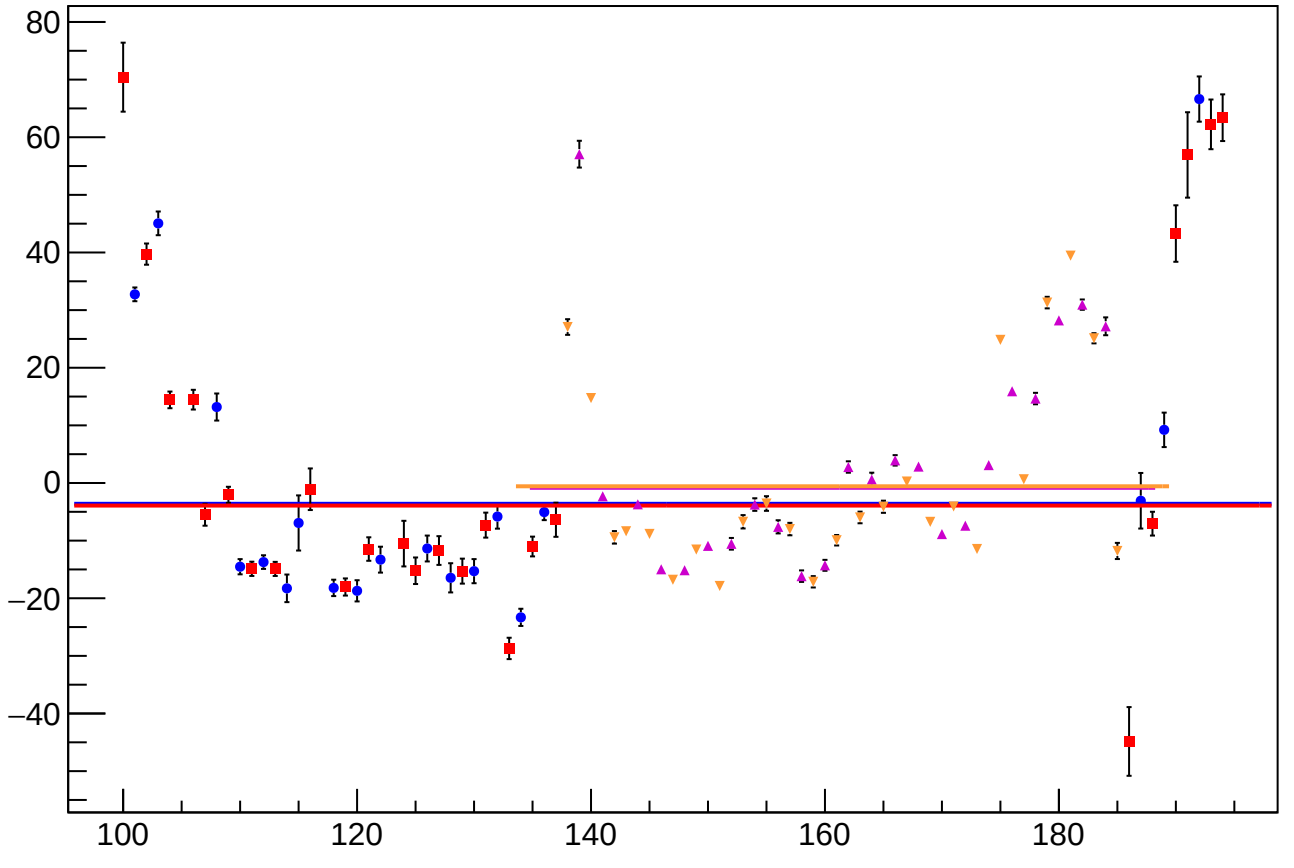
In: -110.410+/-0.267 χ^2/NDF:3945.0/41

Out: -110.692+/-0.259 χ^2/NDF:3706.6/49

All: -110.555+/-0.186 χ^2/NDF: 7652.2/91


reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected
2
1
0
−1
−2
−3
−4
100
120
140
160
180
Right In: 0.158+/-0.040 χ²/NDF: 148.3/18
Left Out: 1.012+/-0.012 χ²/NDF:691.2/24
Right Out: -0.005+/-0.041 χ²/NDF: 502.9/24
Left In: 0.984+/-0.013 χ²/NDF:900.0/22
Left: 0.998+/-0.009 χ²/NDF: 1593.6/47
Right: 0.079+/-0.028 χ²/NDF: 659.4/43
In: 0.909+/-0.012 χ²/NDF:1443.3/41
Out: 0.928+/-0.012 χ²/NDF:1759.2/49
All: 0.919+/-0.008 χ²/NDF: 3203.8/91


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
Right In: -3.819+/-0.368 χ²/NDF: 1830.7/18
Left Out: -46.493+/-0.230 χ²/NDF:20046.7/24
Right Out: -1.286+/-0.325 χ²/NDF: 2365.9/24
Left In: -45.487+/-0.238 χ²/NDF:15571.1/22
Left: -46.006+/-0.165 χ²/NDF: 35627.0/47
Right: -2.395+/-0.244 χ²/NDF: 4223.1/43
In: -33.243+/-0.200 χ²/NDF:26432.2/41
Out: -31.419+/-0.188 χ²/NDF:35284.6/49
All: -32.275+/-0.137 χ²/NDF: 61761.0/91



Right In: -3.612+/-0.422 χ^2/NDF: 2493.4/18

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -3.916+/-0.407 χ^2/NDF: 2243.5/24

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

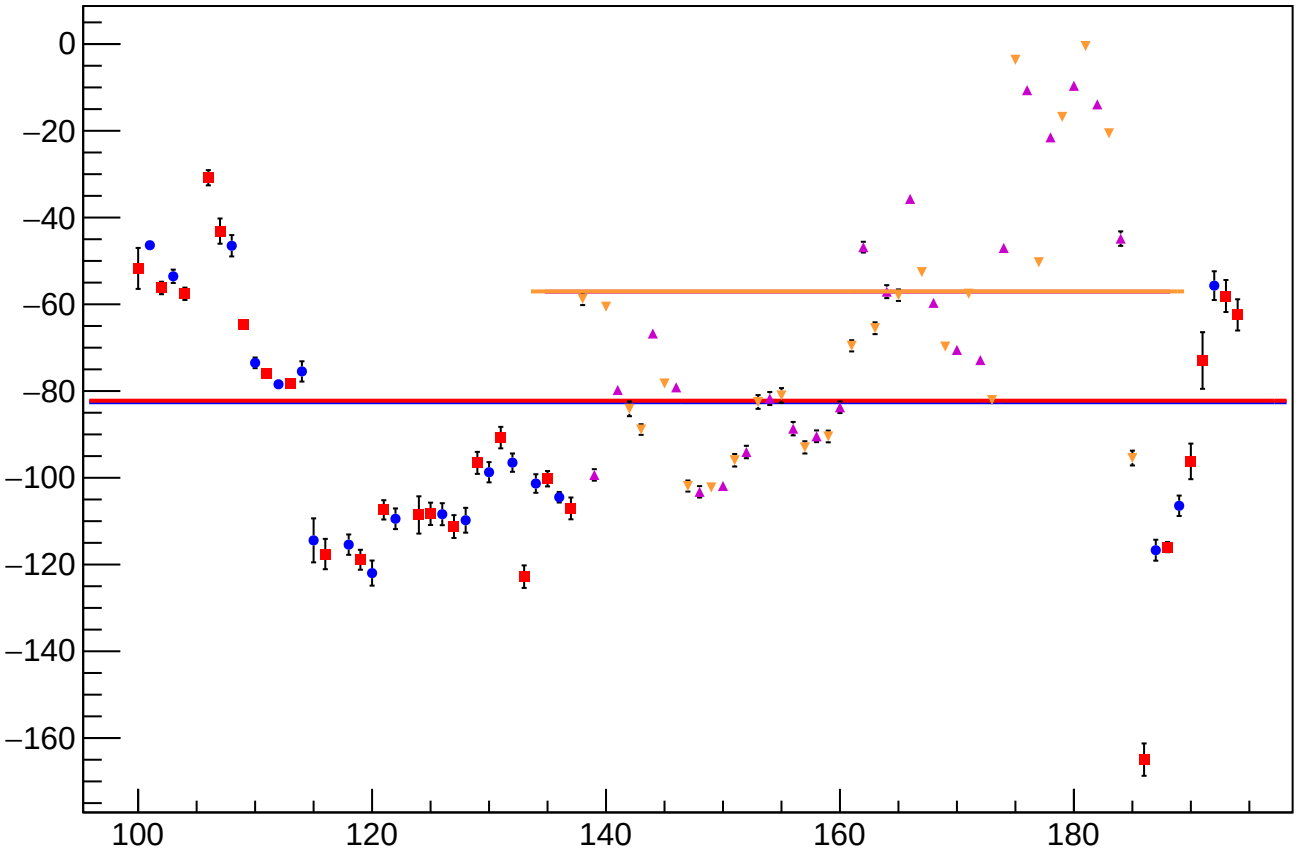
Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

Right: -3.770+/-0.293 χ^2/NDF: 4737.1/43

In: -1.268+/-0.168 χ^2/NDF:8646.5/41

Out: -1.106+/-0.162 χ^2/NDF:10751.8/49

All: -1.184+/-0.117 χ^2/NDF: 19398.8/91



Right In: -82.576+/-0.421 χ^2/NDF: 3249.9/18

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -82.225+/-0.384 χ^2/NDF: 4674.3/24

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

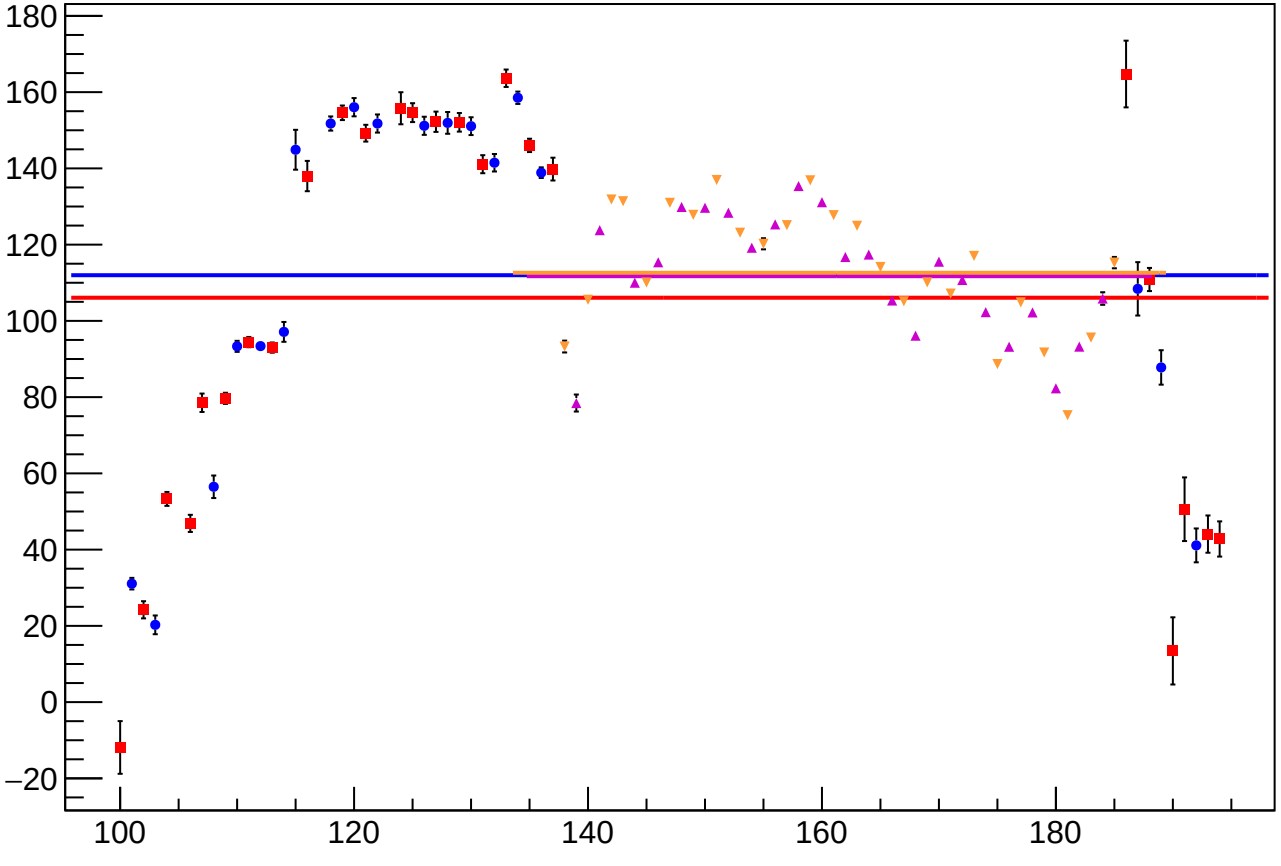
Right: -82.384+/-0.284 χ^2/NDF: 7924.6/43

In: -63.211+/-0.206 χ^2/NDF:23204.2/41

Out: -63.682+/-0.197 χ^2/NDF:28156.0/49

All: -63.457+/-0.143 χ^2/NDF: 51363.0/91

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.982+/-0.482 χ^2/NDF: 8493.4/18

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 106.075+/-0.467 χ^2/NDF: 8103.9/24

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

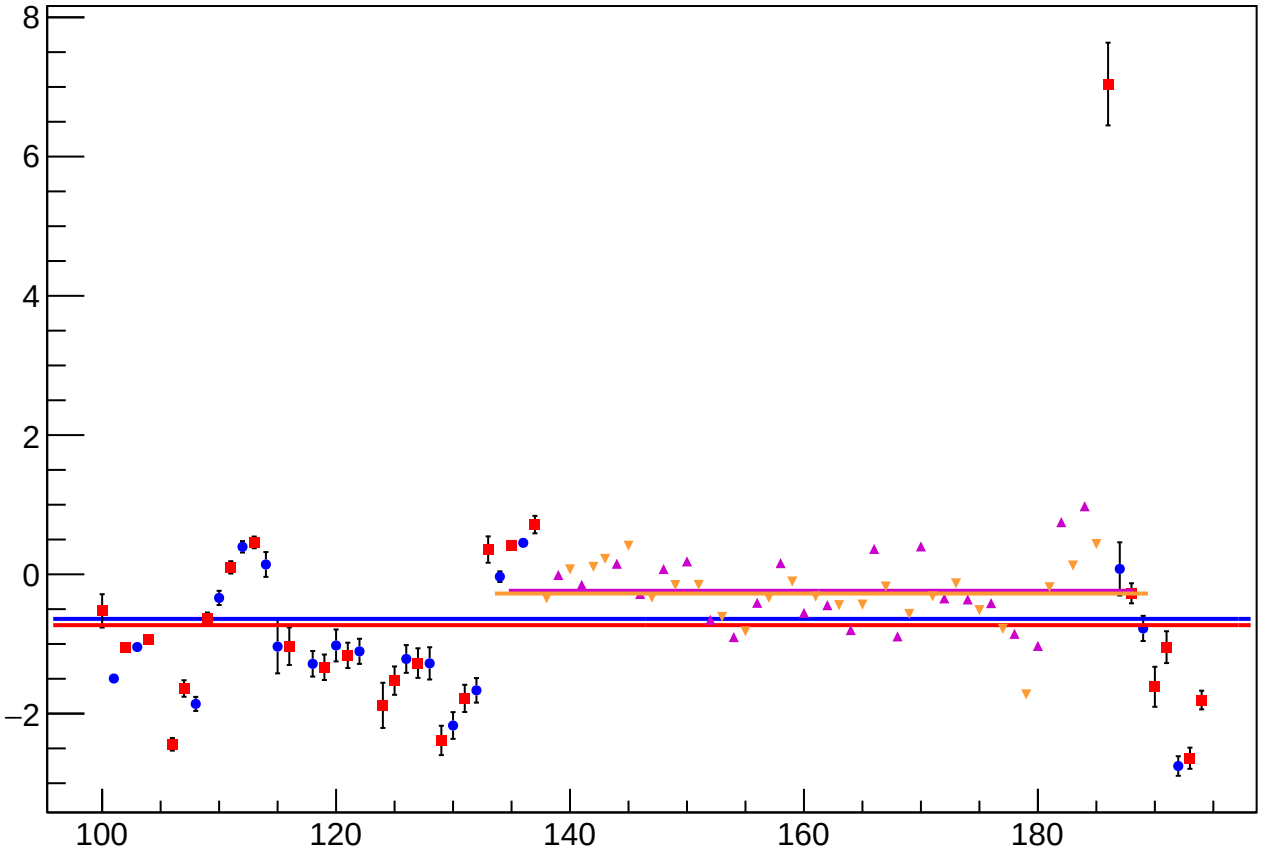
Right: 108.933+/-0.335 χ^2/NDF: 16674.9/43

In: 111.760+/-0.189 χ^2/NDF:13390.5/41

Out: 111.609+/-0.184 χ^2/NDF:14978.3/49

All: 111.683+/-0.132 χ^2/NDF: 28369.1/91

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.640+/-0.025 χ^2/NDF: 1335.1/18

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.730+/-0.024 χ^2/NDF: 1738.8/24

Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

Left: -0.257+/-0.006 χ^2/NDF: 5093.1/47

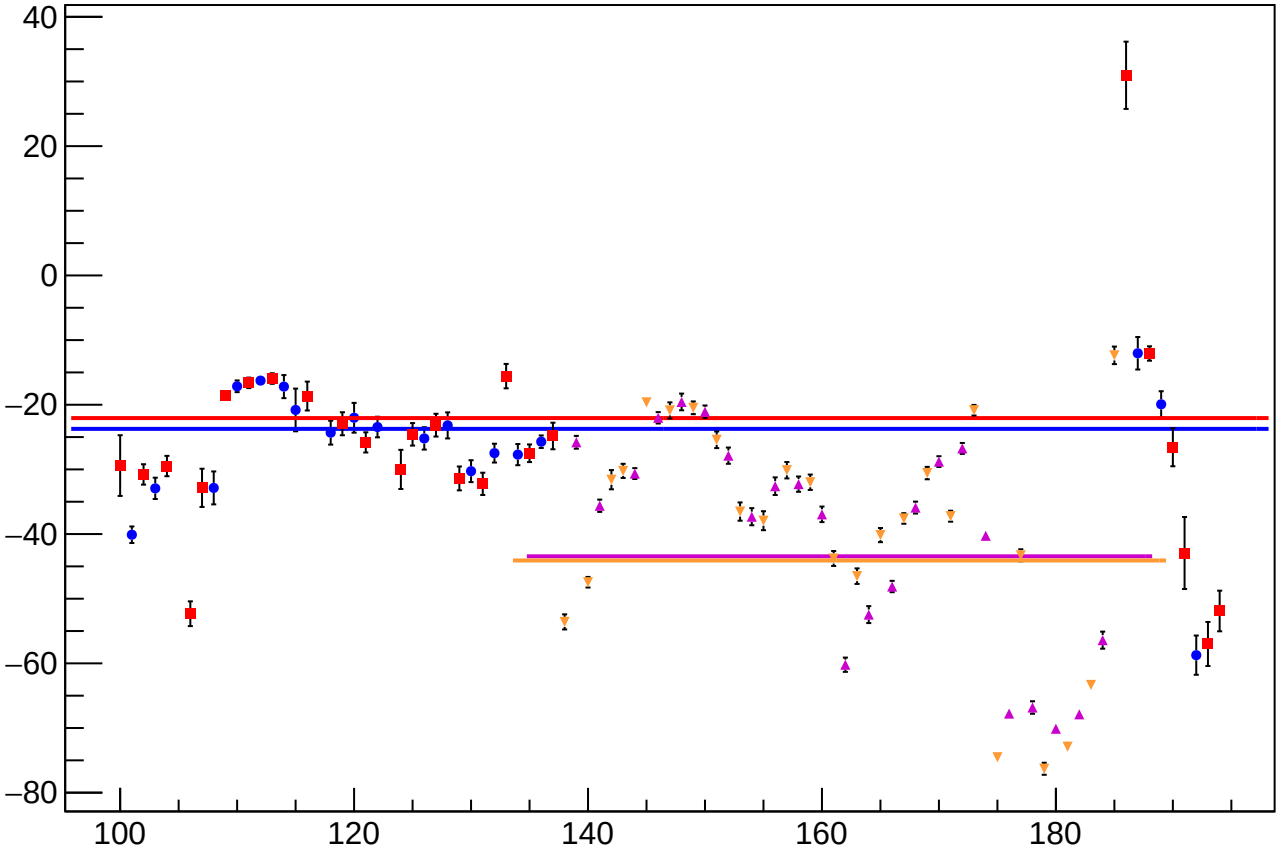
Right: -0.687+/-0.017 χ^2/NDF: 3080.5/43

In: -0.284+/-0.009 χ^2/NDF:4524.6/41

Out: -0.332+/-0.008 χ^2/NDF:4177.6/49

All: -0.309+/-0.006 χ^2/NDF: 8718.0/91

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.730+/-0.338 χ^2/NDF: 564.7/18

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -22.063+/-0.304 χ^2/NDF: 948.9/24

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

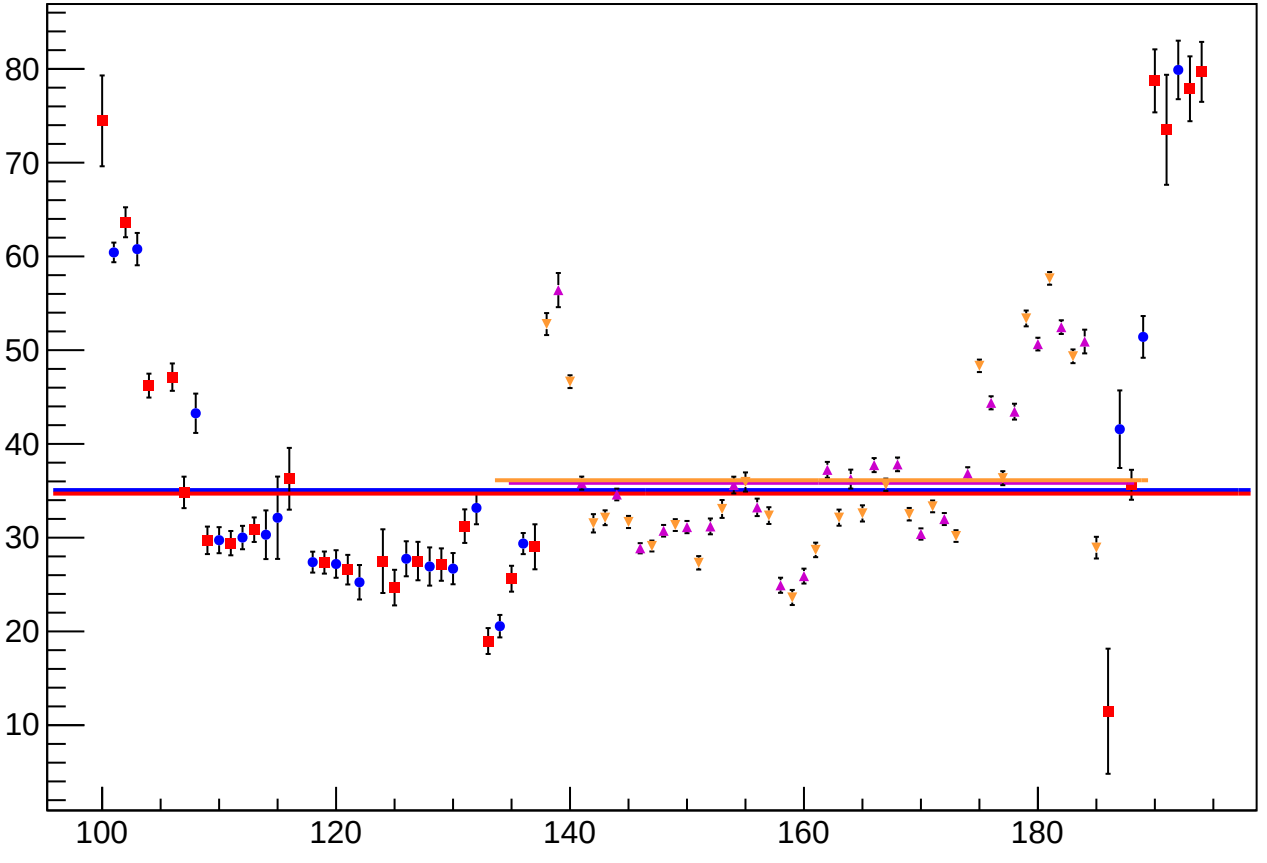
Right: -22.808+/-0.226 χ^2/NDF: 1527.0/43

In: -38.380+/-0.171 χ^2/NDF:10913.6/41

Out: -37.751+/-0.163 χ^2/NDF:15034.7/49

All: -38.050+/-0.118 χ^2/NDF: 25955.4/91

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 35.075+/-0.366 χ^2/NDF: 1456.6/18

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 34.700+/-0.355 χ^2/NDF: 1479.7/24

Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

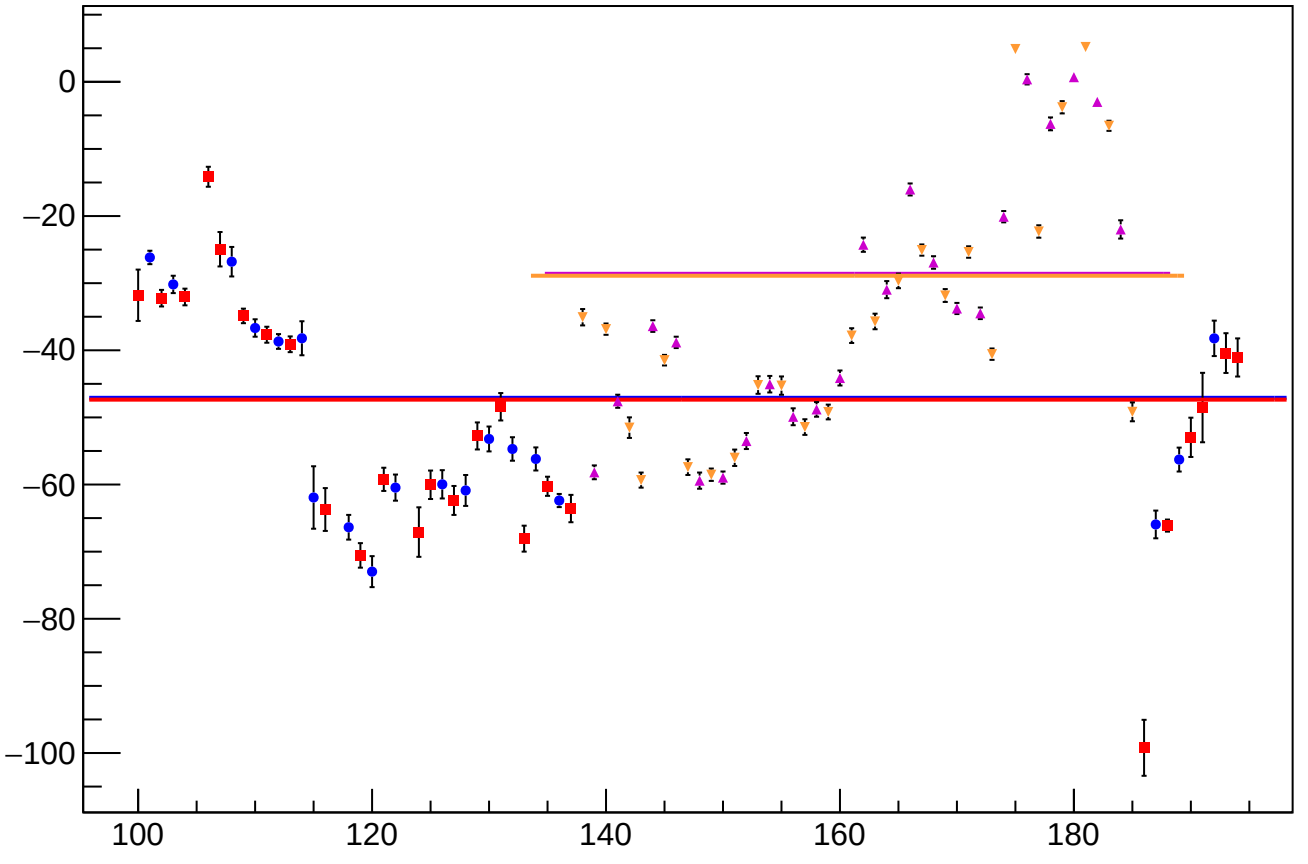
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 34.882+/-0.255 χ^2/NDF: 2936.8/43

In: 35.734+/-0.143 χ^2/NDF:3753.9/41

Out: 35.908+/-0.138 χ^2/NDF:5051.8/49

All: 35.824+/-0.099 χ^2/NDF: 8806.5/91



Right In: -47.080+/-0.371 χ^2/NDF: 1616.6/18

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -47.352+/-0.340 χ^2/NDF: 2359.0/24

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

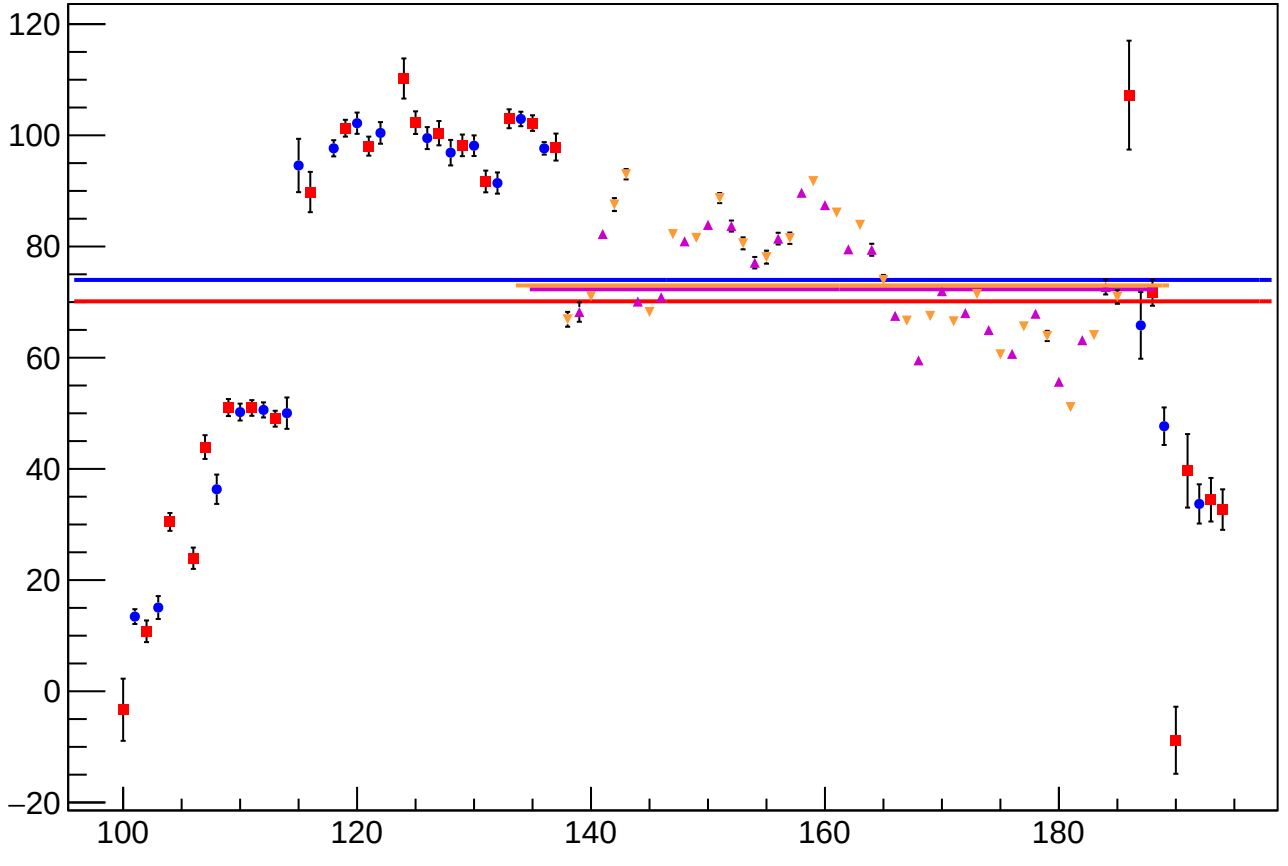
Right: -47.228+/-0.250 χ^2/NDF: 3975.9/43

In: -32.697+/-0.175 χ^2/NDF:13564.0/41

Out: -33.390+/-0.168 χ^2/NDF:16392.9/49

All: -33.057+/-0.121 χ^2/NDF: 29965.1/91

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 73.989+/-0.420 χ^2/NDF: 6027.1/18

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 70.139+/-0.412 χ^2/NDF: 6033.7/24

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

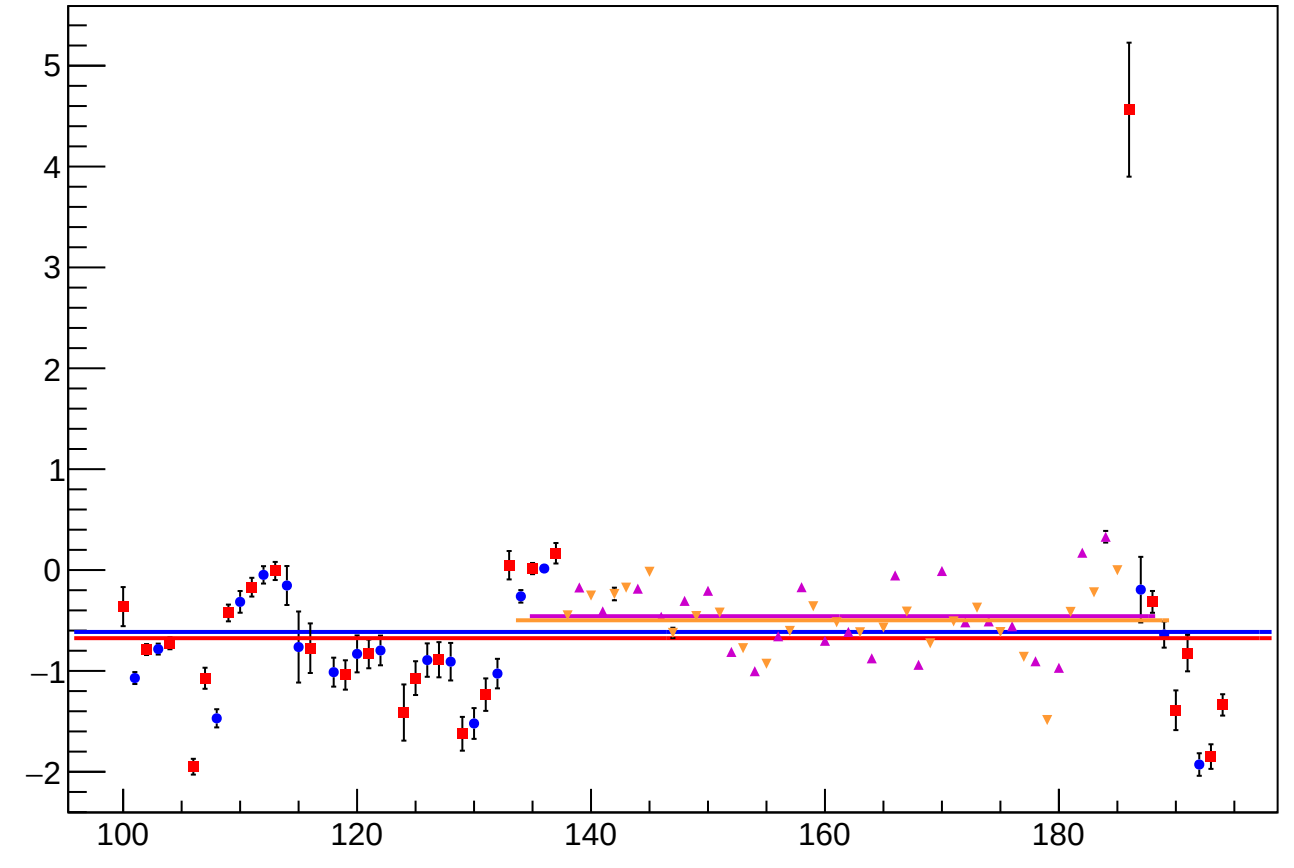
Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

Right: 72.025+/-0.294 χ^2/NDF: 12103.8/43

In: 72.548+/-0.160 χ^2/NDF:8953.5/41

Out: 72.591+/-0.156 χ^2/NDF:10127.6/49

All: 72.570+/-0.112 χ^2/NDF: 19081.1/91



Right In: -0.614+/-0.021 χ^2/NDF: 638.2/18

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.675+/-0.021 χ^2/NDF: 915.8/24

Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

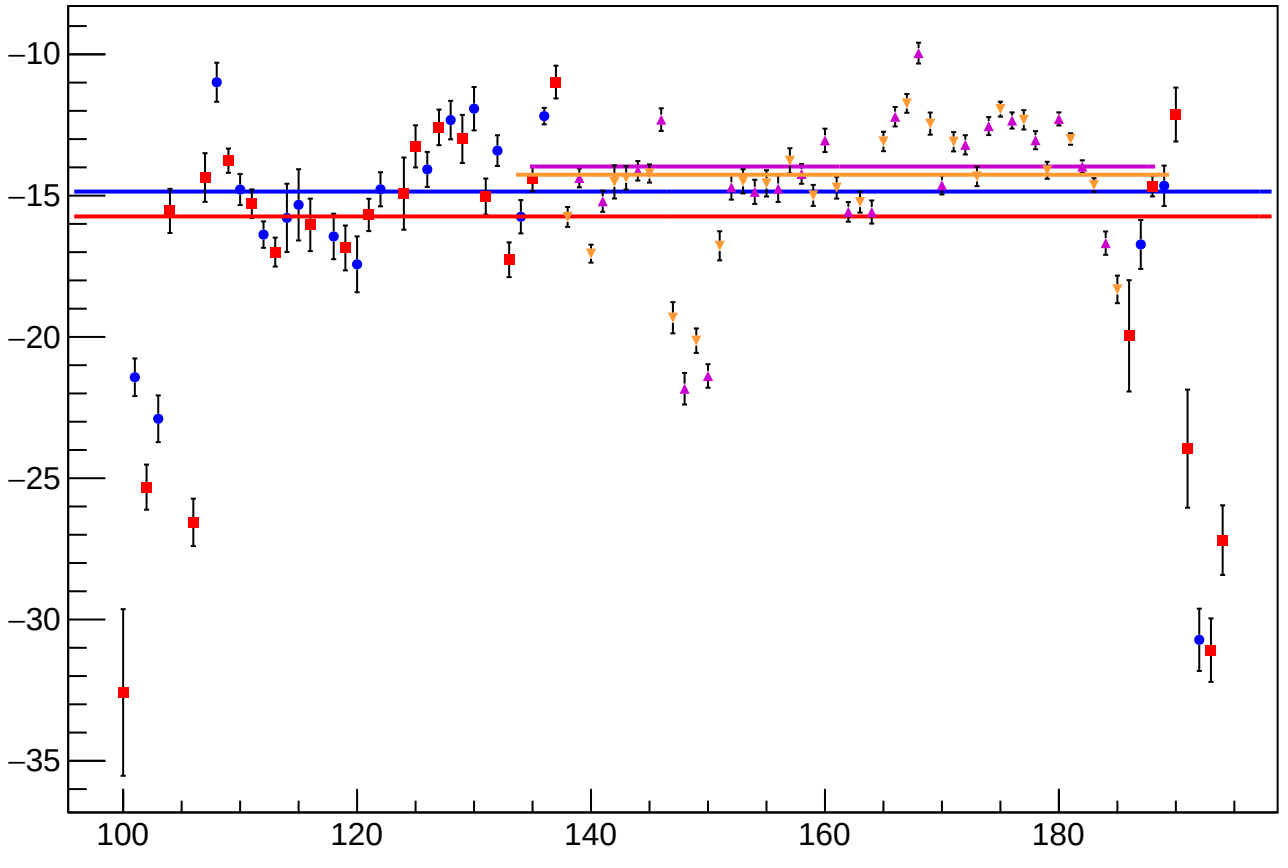
Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

Right: -0.646+/-0.015 χ^2/NDF: 1558.3/43

In: -0.475+/-0.007 χ^2/NDF:2788.3/41

Out: -0.519+/-0.007 χ^2/NDF:2463.5/49

All: -0.497+/-0.005 χ^2/NDF: 5270.3/91



Right In: -14.856+/-0.143 χ^2/NDF: 580.1/18

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -15.736+/-0.135 χ^2/NDF: 822.0/24

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

Right: -15.321+/-0.098 χ^2/NDF: 1422.2/43

In: -14.149+/-0.064 χ^2/NDF:1518.5/41

Out: -14.571+/-0.062 χ^2/NDF:1640.4/49

All: -14.368+/-0.045 χ^2/NDF: 3181.3/91

Right In: -34.656+/-0.148 χ^2/NDF: 1826.0/18

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -34.653+/-0.144 χ^2/NDF: 2127.5/24

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

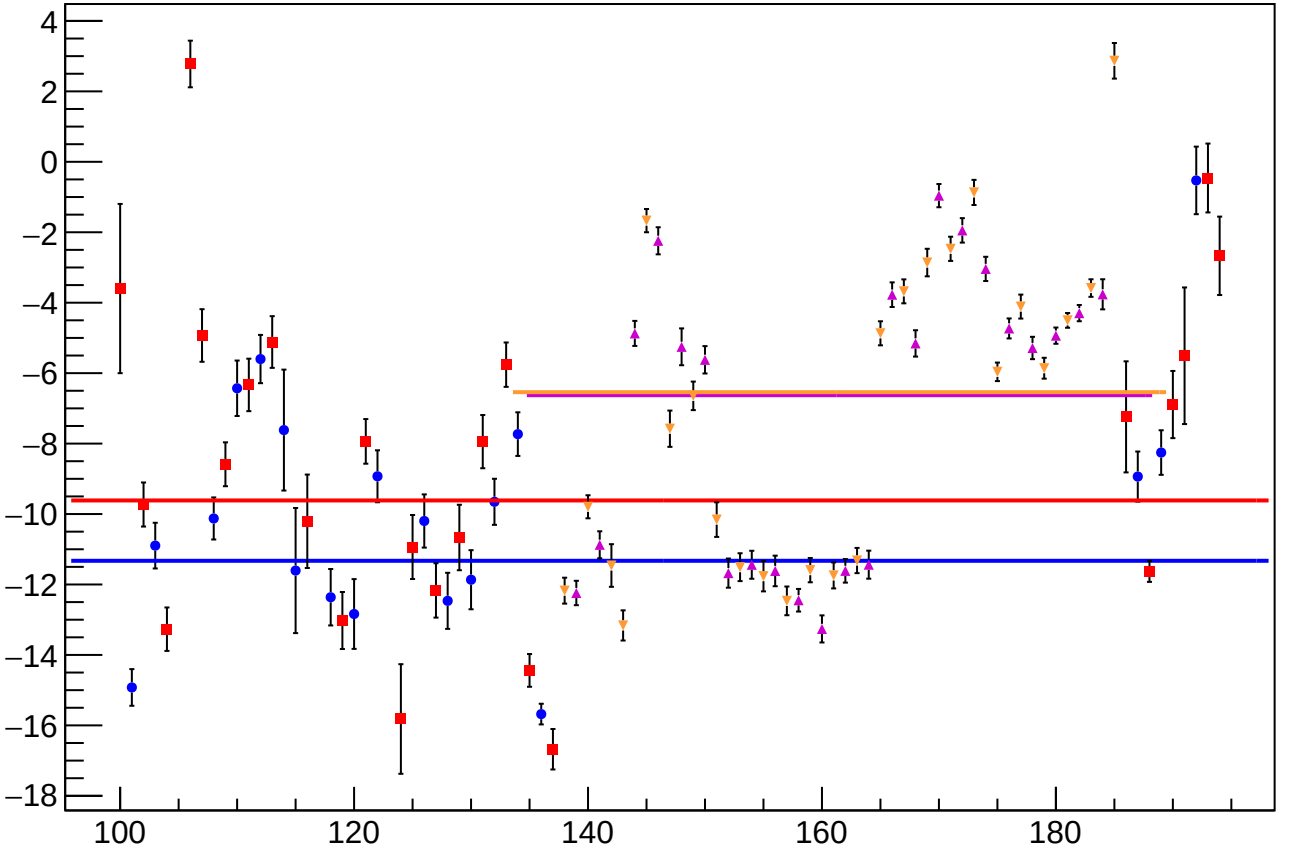
Right: -34.655+/-0.103 χ^2/NDF: 3953.6/43

In: -31.854+/-0.053 χ^2/NDF:3450.8/41

Out: -31.731+/-0.052 χ^2/NDF:3153.9/49

All: -31.790+/-0.037 χ^2/NDF: 6607.5/91

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.327+/-0.150 χ^2/NDF: 606.6/18

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -9.614+/-0.139 χ^2/NDF: 1034.8/24

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

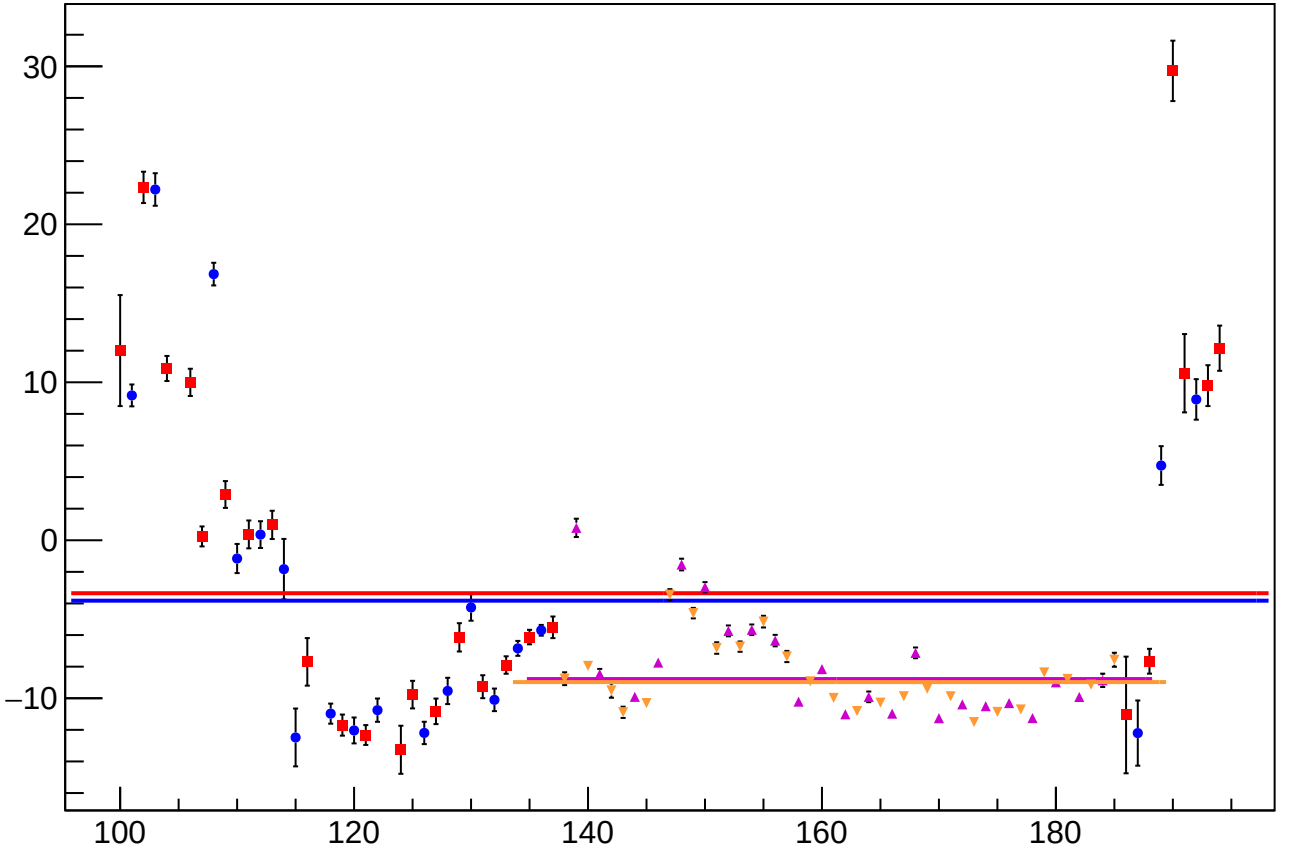
Right: -10.408+/-0.102 χ^2/NDF: 1711.6/43

In: -7.496+/-0.064 χ^2/NDF:4317.4/41

Out: -7.154+/-0.062 χ^2/NDF:4667.6/49

All: -7.319+/-0.045 χ^2/NDF: 8999.6/91

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -3.823+/-0.168 χ^2/NDF: 2692.8/18

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -3.351+/-0.168 χ^2/NDF: 2707.2/24

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

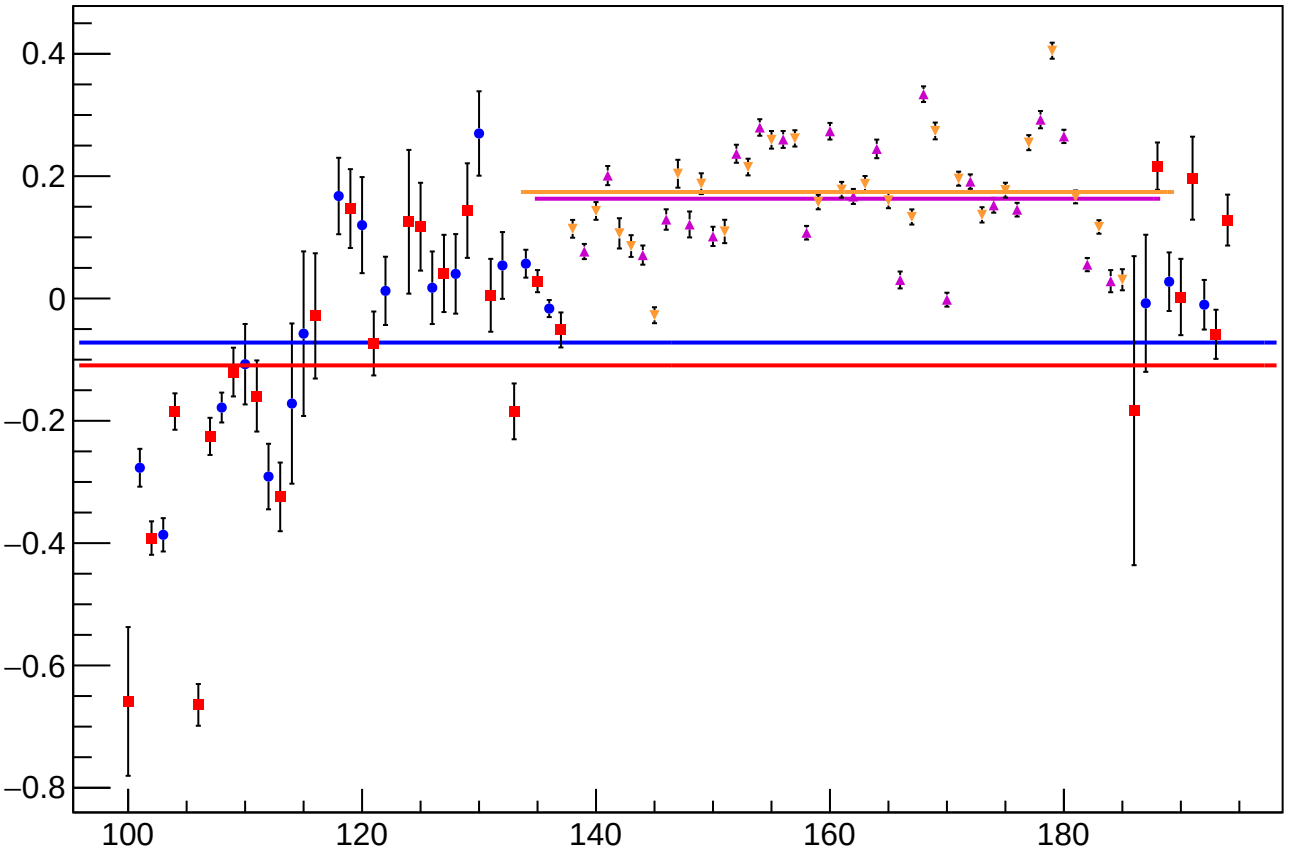
Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

Right: -3.587+/-0.119 χ^2/NDF: 5403.9/43

In: -8.168+/-0.059 χ^2/NDF:5139.5/41

Out: -8.312+/-0.058 χ^2/NDF:4669.6/49

All: -8.242+/-0.041 χ^2/NDF: 9812.1/91



Right In: -0.072+/-0.008 χ^2/NDF: 326.3/18

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.109+/-0.008 χ^2/NDF: 672.6/24

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

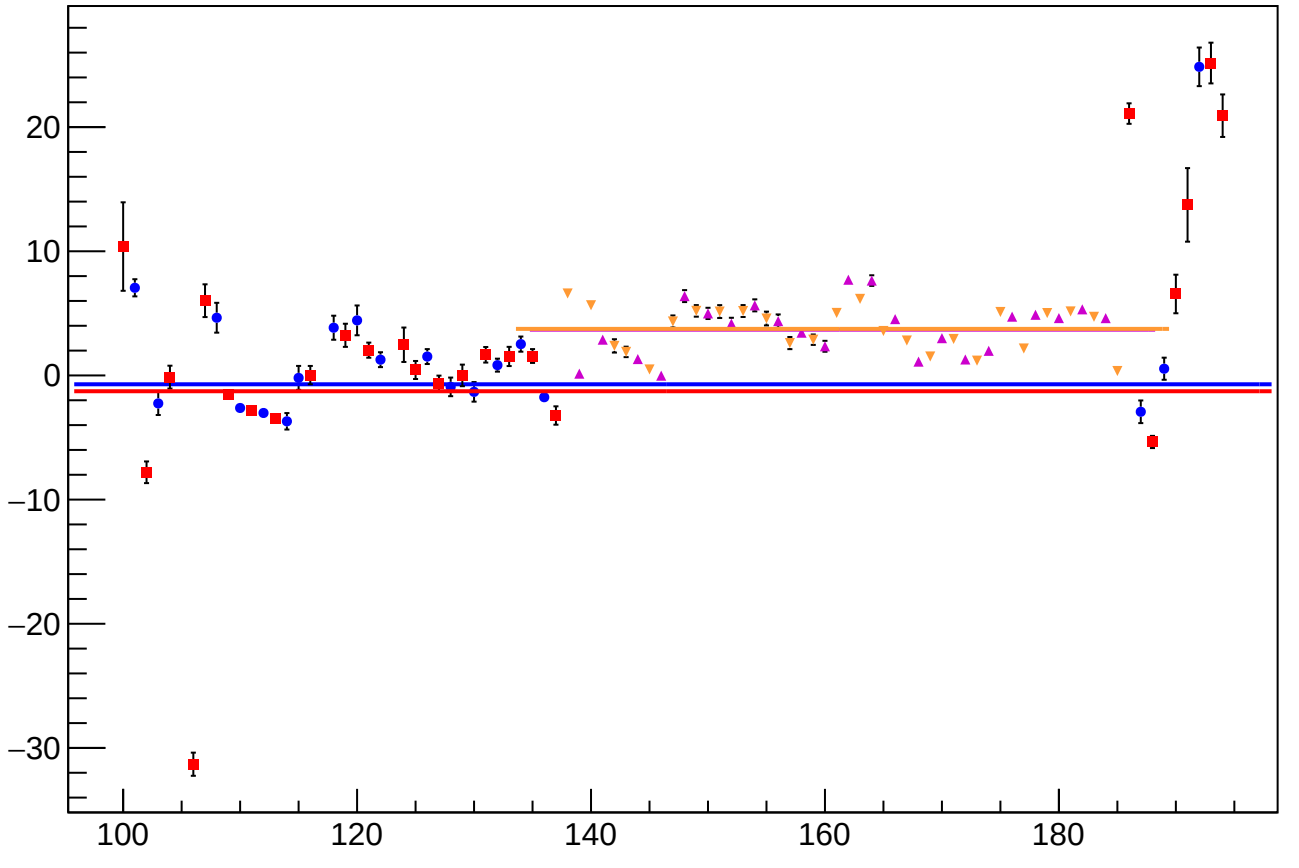
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: -0.091+/-0.006 χ^2/NDF: 1009.1/43

In: 0.139+/-0.003 χ^2/NDF:2253.5/41

Out: 0.147+/-0.003 χ^2/NDF:2648.2/49

All: 0.143+/-0.002 χ^2/NDF: 4905.8/91



Right In: -0.712+/-0.133 χ^2/NDF: 660.1/18

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -1.273+/-0.122 χ^2/NDF: 2637.6/24

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

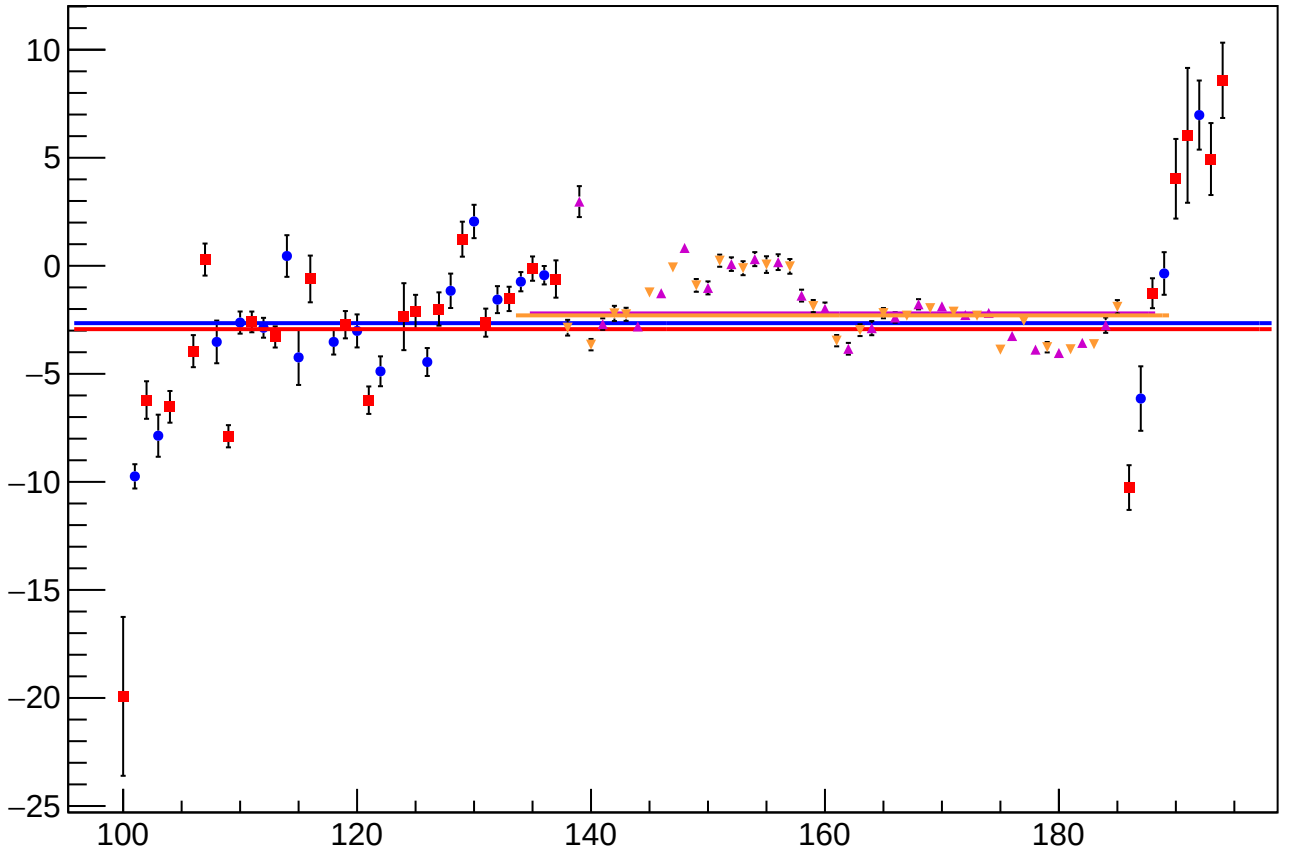
Left: 3.720+/-0.044 χ^2/NDF: 1763.6/47

Right: -1.018+/-0.090 χ^2/NDF: 3307.4/43

In: 2.864+/-0.058 χ^2/NDF:2501.9/41

Out: 2.715+/-0.055 χ^2/NDF:4800.6/49

All: 2.786+/-0.040 χ^2/NDF: 7305.9/91



Right In: -2.654+/-0.153 χ^2/NDF: 357.8/18

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -2.932+/-0.150 χ^2/NDF: 417.9/24

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

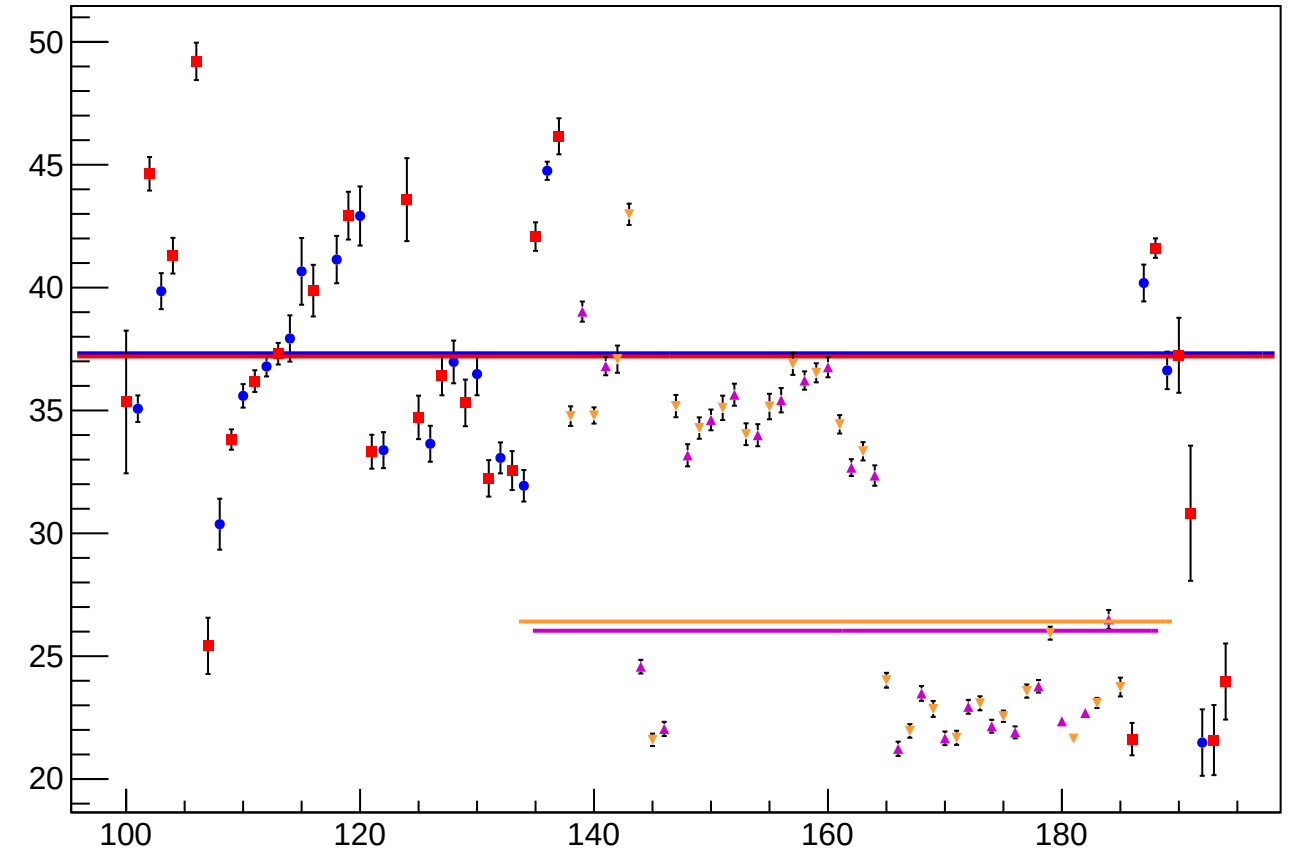
Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

Right: -2.795+/-0.107 χ^2/NDF: 777.3/43

In: -2.249+/-0.048 χ^2/NDF:1090.3/41

Out: -2.357+/-0.047 χ^2/NDF:1065.6/49

All: -2.304+/-0.034 χ^2/NDF: 2158.5/91



Right In: 37.326+/-0.153 χ^2/NDF: 860.2/18

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 37.198+/-0.142 χ^2/NDF: 1854.8/24

Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

Left: 26.228+/-0.045 χ^2/NDF: 17082.8/47

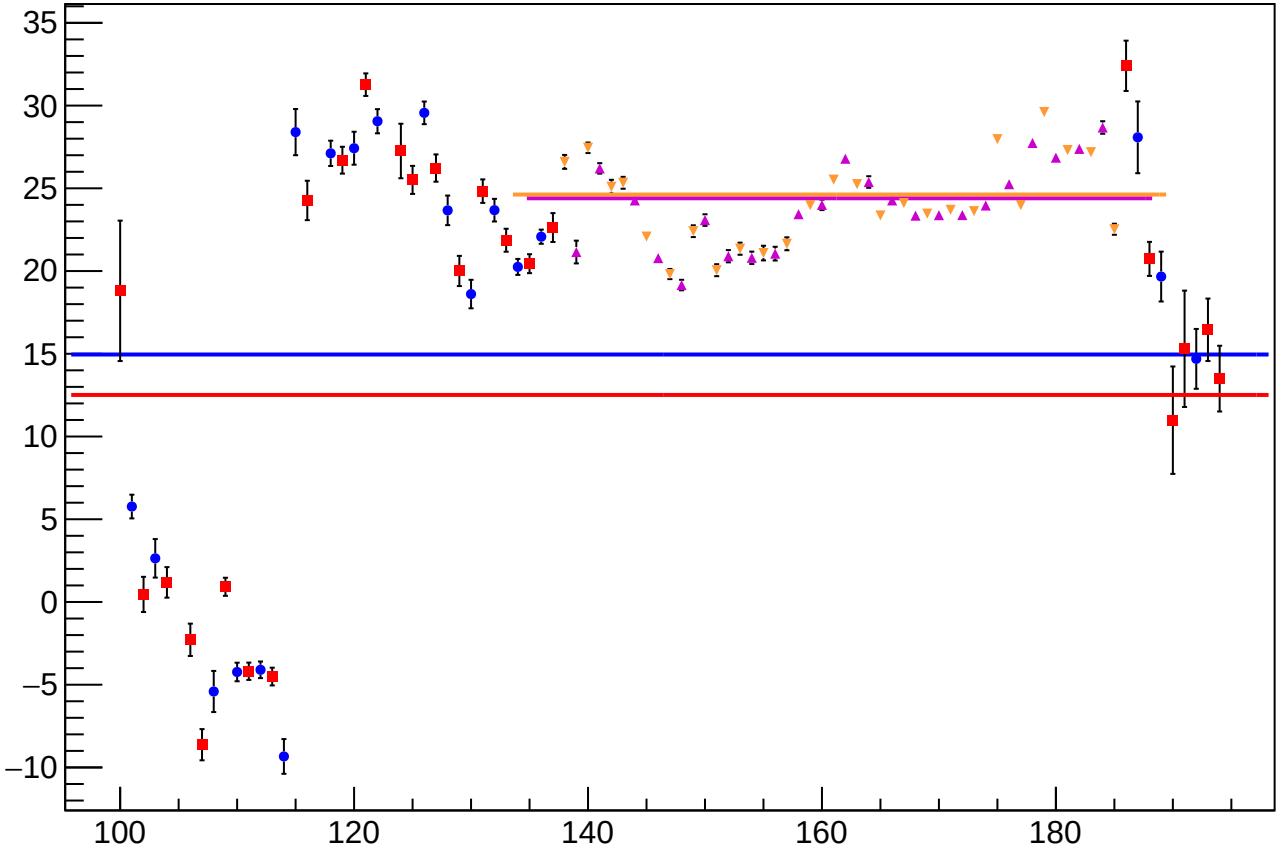
Right: 37.257+/-0.104 χ^2/NDF: 2715.3/43

In: 27.713+/-0.059 χ^2/NDF:13343.6/41

Out: 28.148+/-0.057 χ^2/NDF:15909.1/49

All: 27.938+/-0.041 χ^2/NDF: 29280.8/91

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.956+/-0.171 χ^2/NDF: 5733.4/18

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.512+/-0.171 χ^2/NDF: 6356.0/24

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

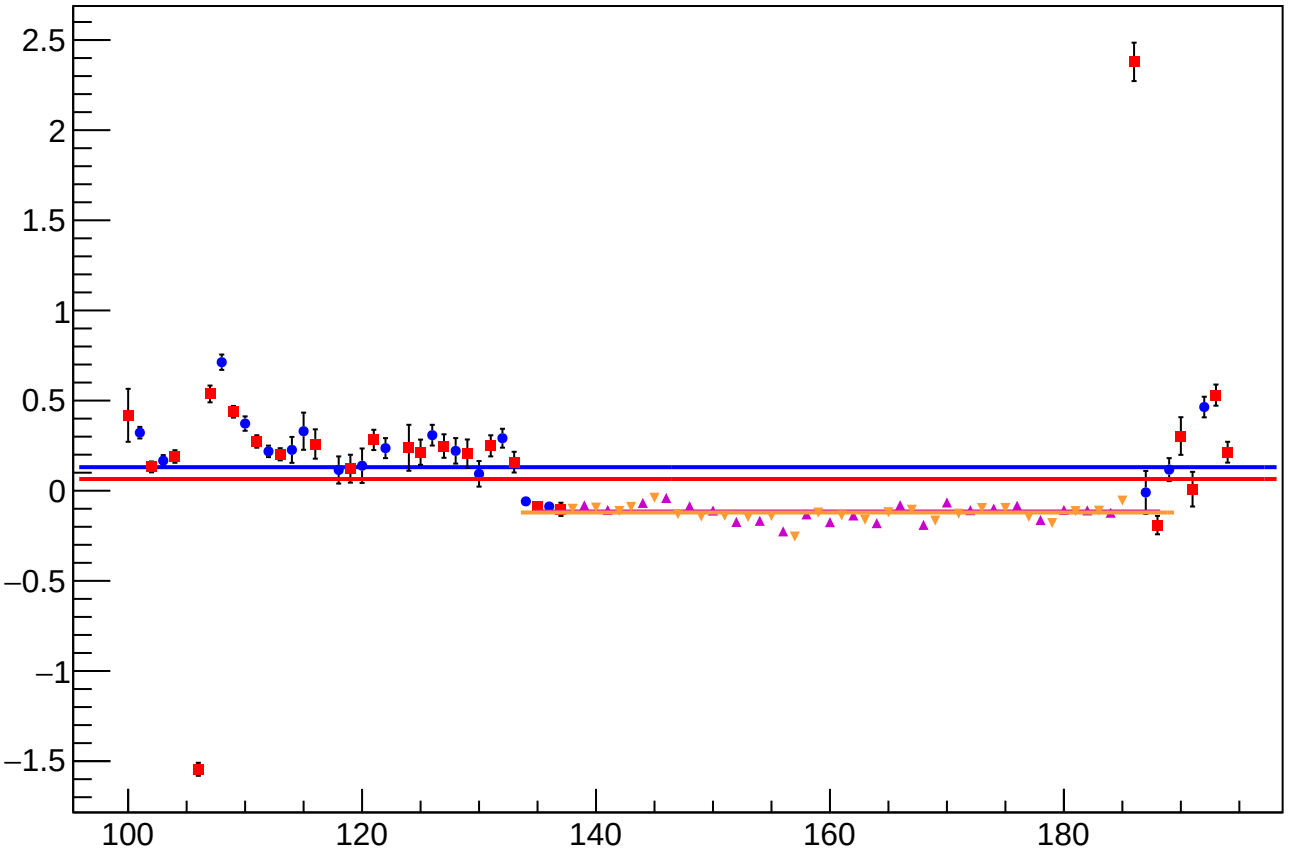
Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

Right: 13.734+/-0.121 χ^2/NDF: 12191.1/43

In: 23.473+/-0.054 χ^2/NDF:10185.6/41

Out: 23.486+/-0.053 χ^2/NDF:12835.3/49

All: 23.480+/-0.038 χ^2/NDF: 23021.0/91



Right In: 0.131+/-0.009 χ^2/NDF: 556.1/18

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.065+/-0.009 χ^2/NDF: 2995.3/24

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

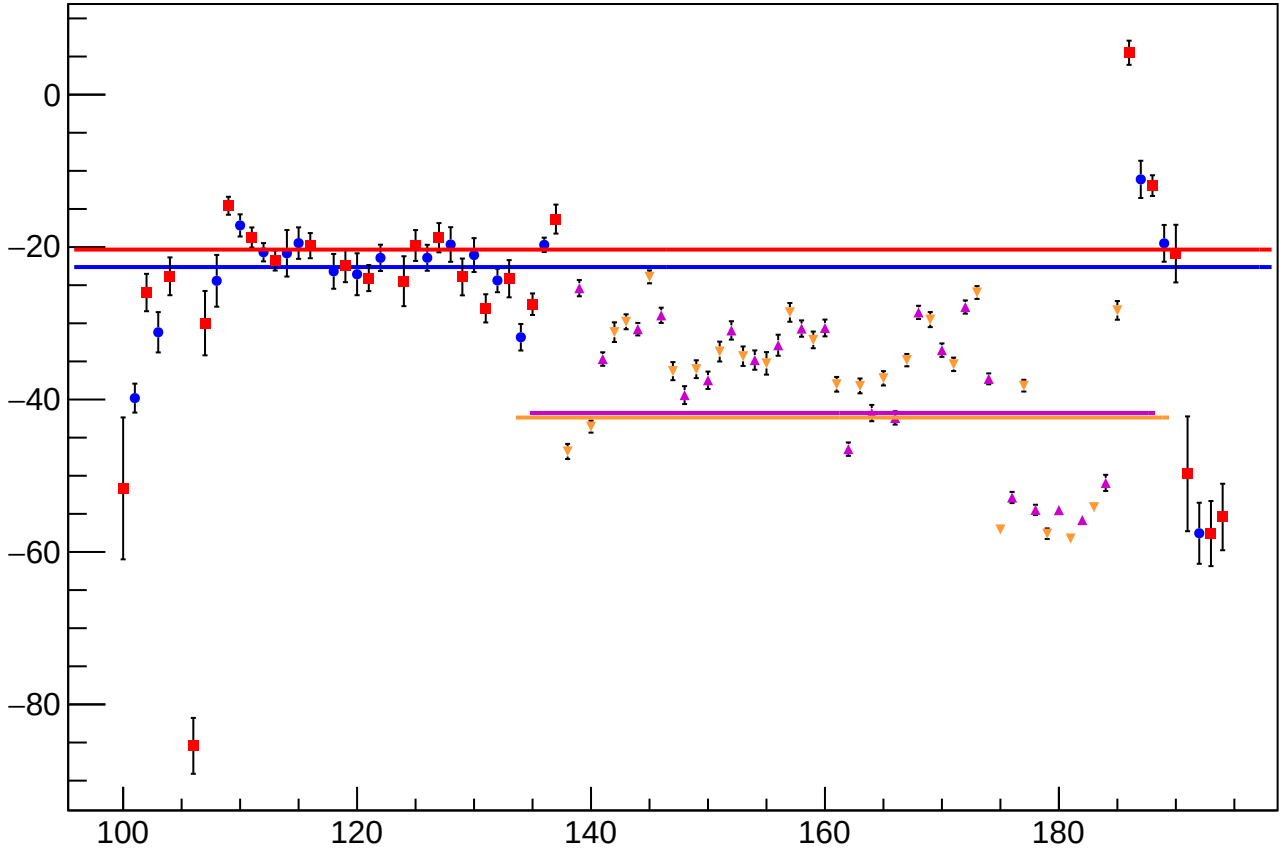
Right: 0.098+/-0.007 χ^2/NDF: 3576.9/43

In: -0.098+/-0.002 χ^2/NDF:1517.0/41

Out: -0.108+/-0.002 χ^2/NDF:3635.9/49

All: -0.103+/-0.002 χ^2/NDF: 5162.2/91

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -22.620+/-0.419 χ^2/NDF: 254.3/18

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -20.330+/-0.395 χ^2/NDF: 885.3/24

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

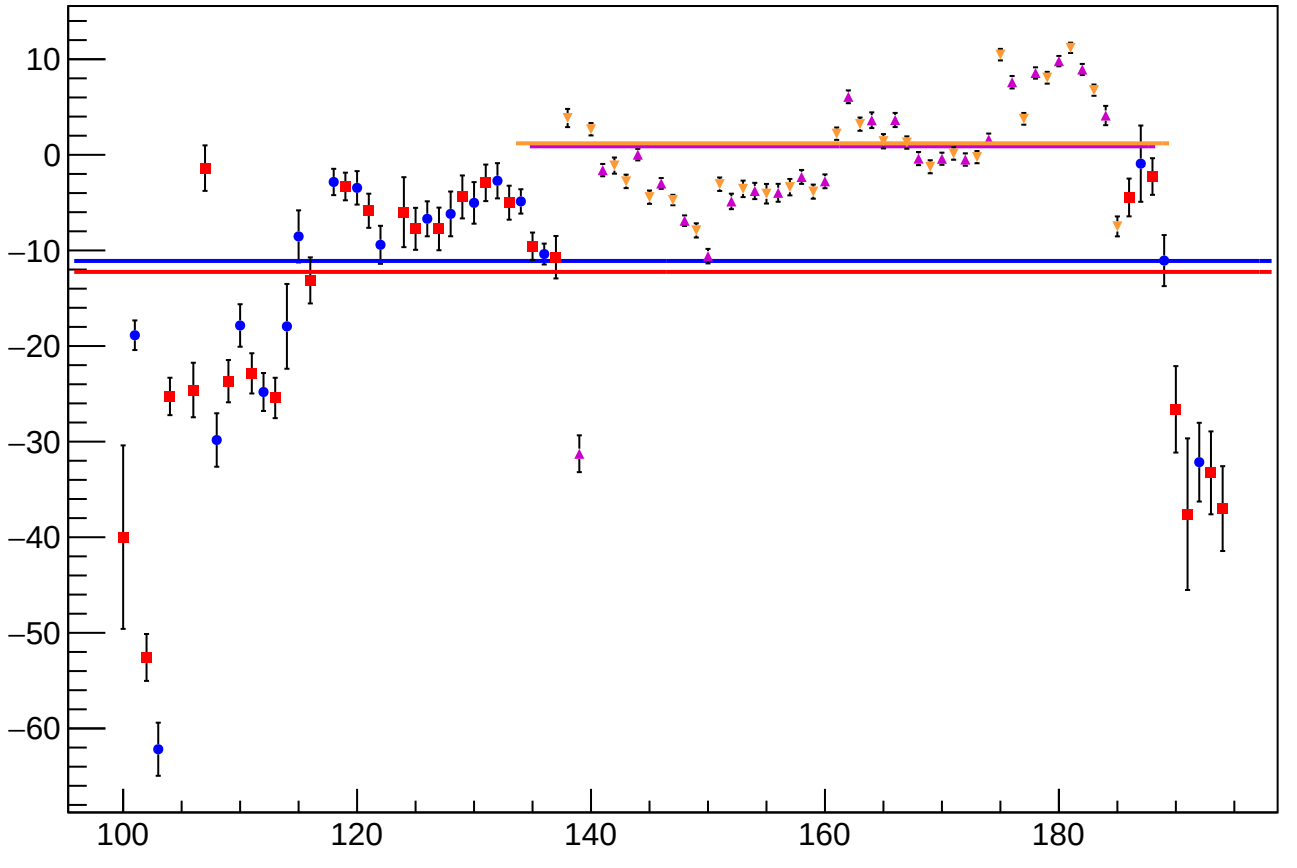
Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

Right: -21.408+/-0.287 χ^2/NDF: 1155.5/43

In: -38.733+/-0.167 χ^2/NDF:5470.9/41

Out: -38.741+/-0.160 χ^2/NDF:7964.8/49

All: -38.737+/-0.115 χ^2/NDF: 13435.7/91



Right In: -11.101+/-0.442 χ^2/NDF: 620.0/18

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -12.247+/-0.446 χ^2/NDF: 690.3/24

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

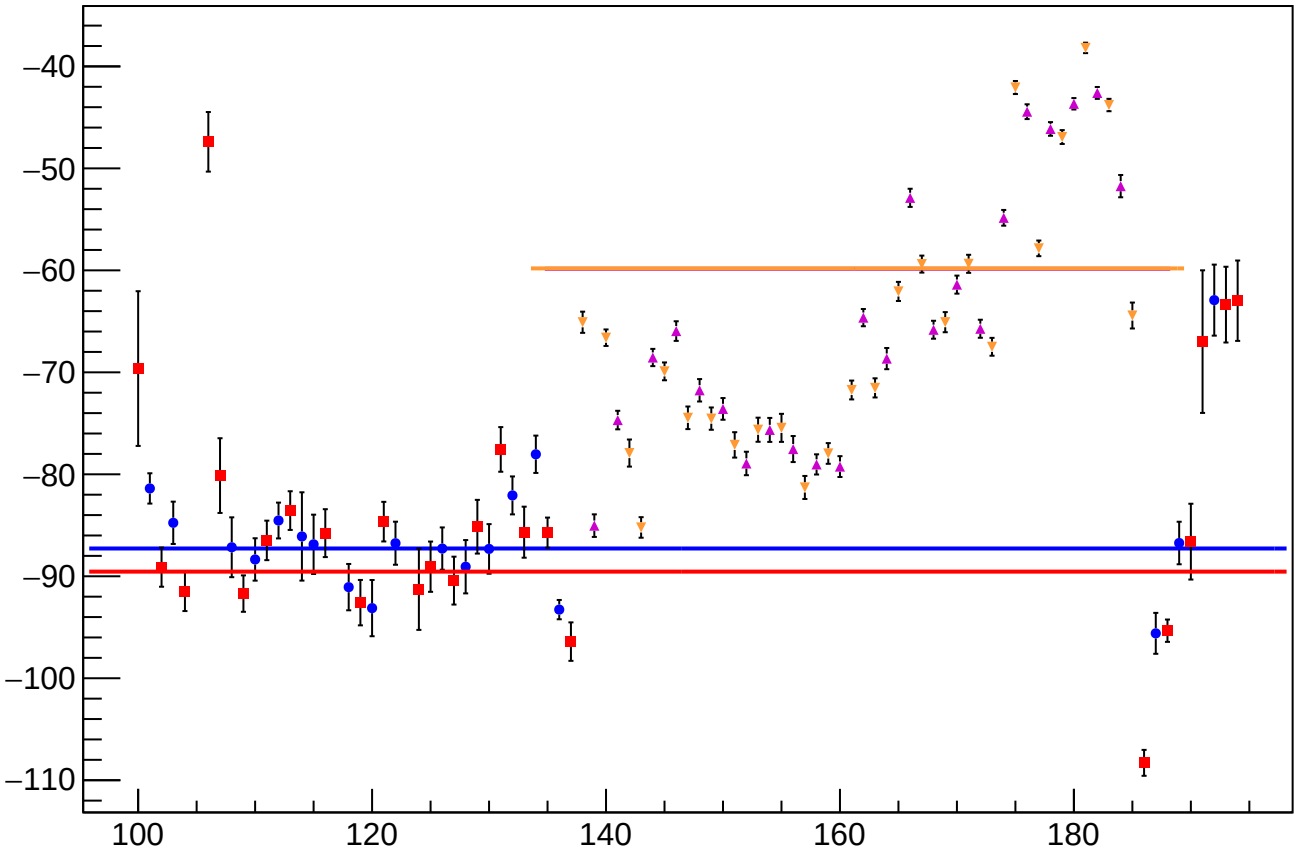
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -11.668+/-0.314 χ^2/NDF: 1313.6/43

In: -0.248+/-0.136 χ^2/NDF:3051.0/41

Out: 0.027+/-0.132 χ^2/NDF:2982.4/49

All: -0.106+/-0.095 χ^2/NDF: 6035.4/91



Right In: -87.276+/-0.452 χ^2/NDF: 167.4/18

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -89.544+/-0.423 χ^2/NDF: 654.6/24

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

Left: -59.827+/-0.126 χ^2/NDF: 12179.2/47

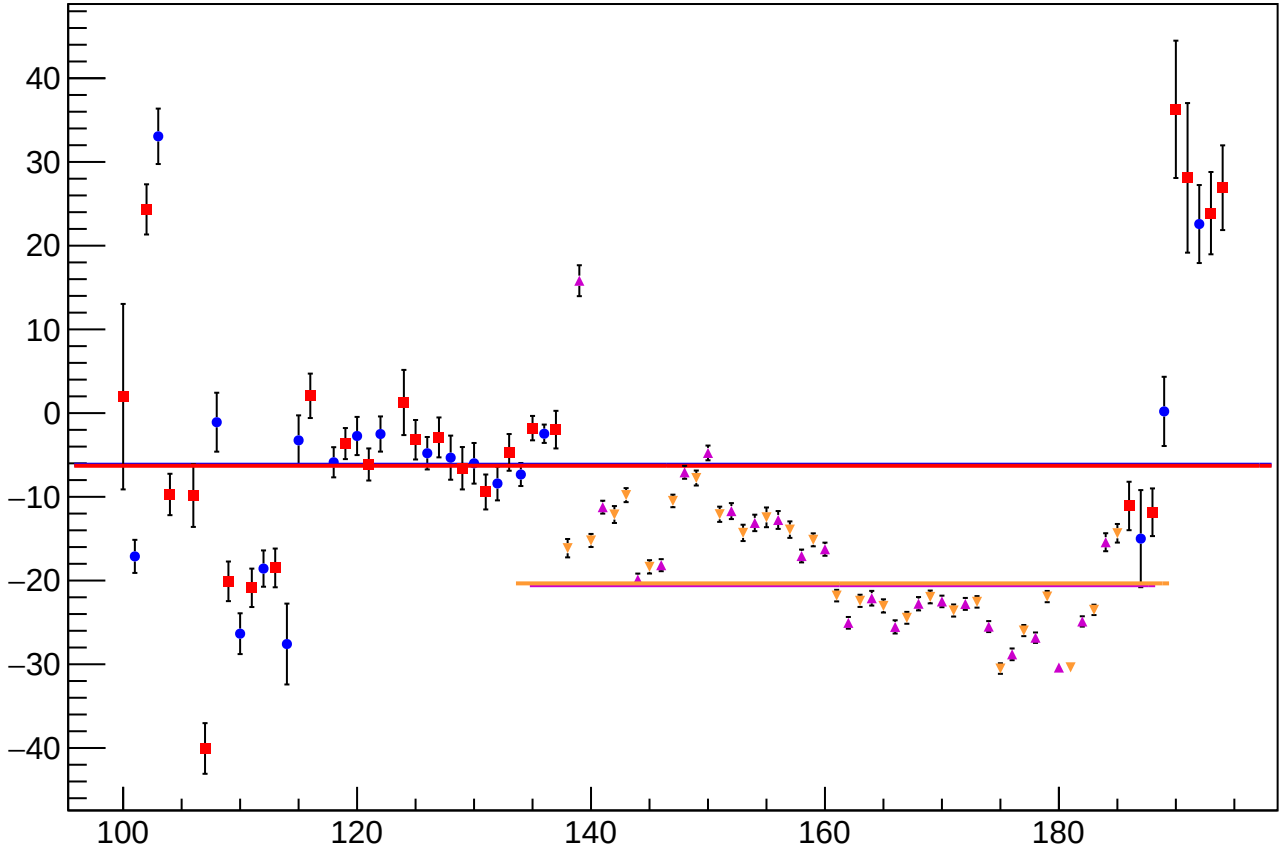
Right: -88.485+/-0.309 χ^2/NDF: 835.4/43

In: -63.636+/-0.168 χ^2/NDF:8872.6/41

Out: -64.168+/-0.162 χ^2/NDF:11517.1/49

All: -63.912+/-0.117 χ^2/NDF: 20394.9/91

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.165+/-0.499 χ^2/NDF: 357.2/18

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -6.289+/-0.516 χ^2/NDF: 499.0/24

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

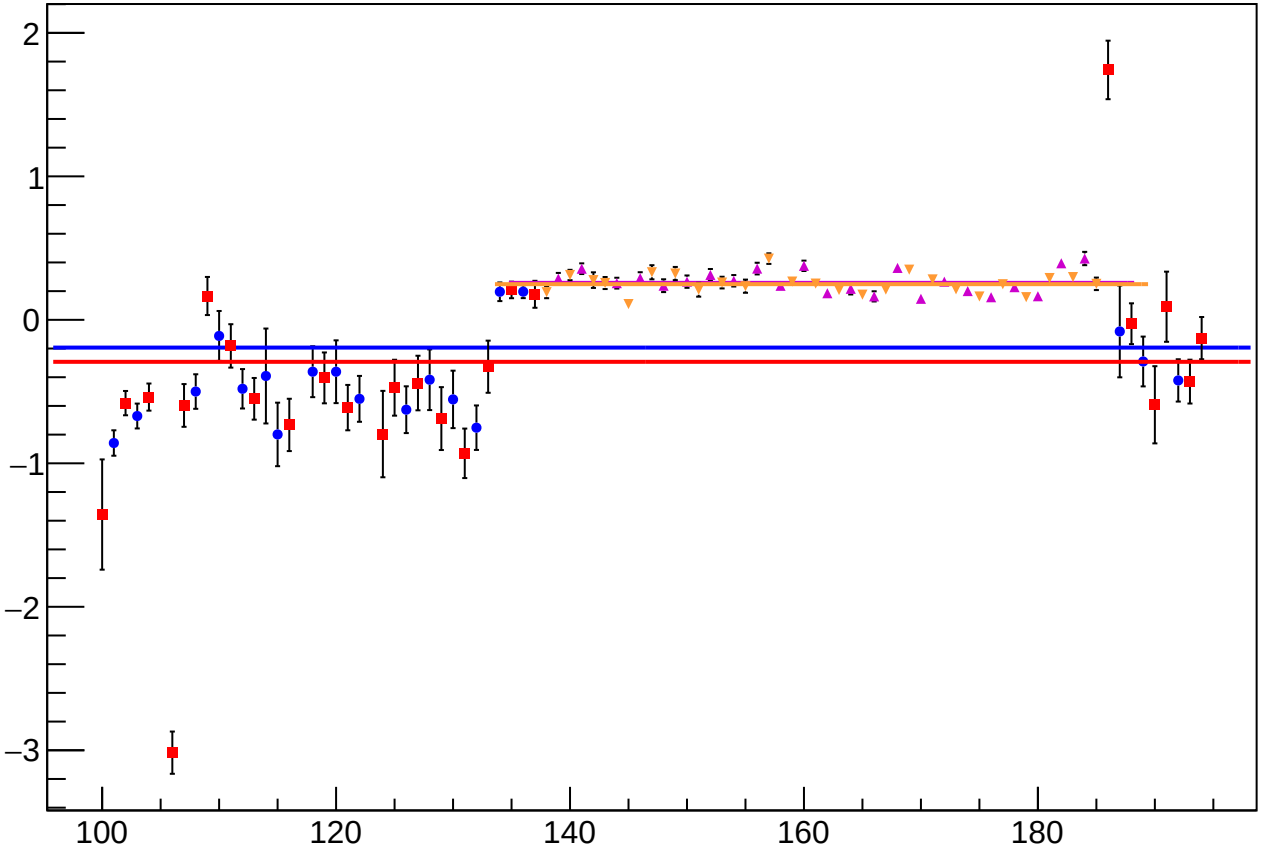
Right: -6.225+/-0.359 χ^2/NDF: 856.3/43

In: -19.221+/-0.152 χ^2/NDF:3304.6/41

Out: -19.181+/-0.148 χ^2/NDF:2880.9/49

All: -19.201+/-0.106 χ^2/NDF: 6185.6/91

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.193+/-0.026 χ^2/NDF: 250.3/18

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.293+/-0.027 χ^2/NDF: 629.0/24

Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

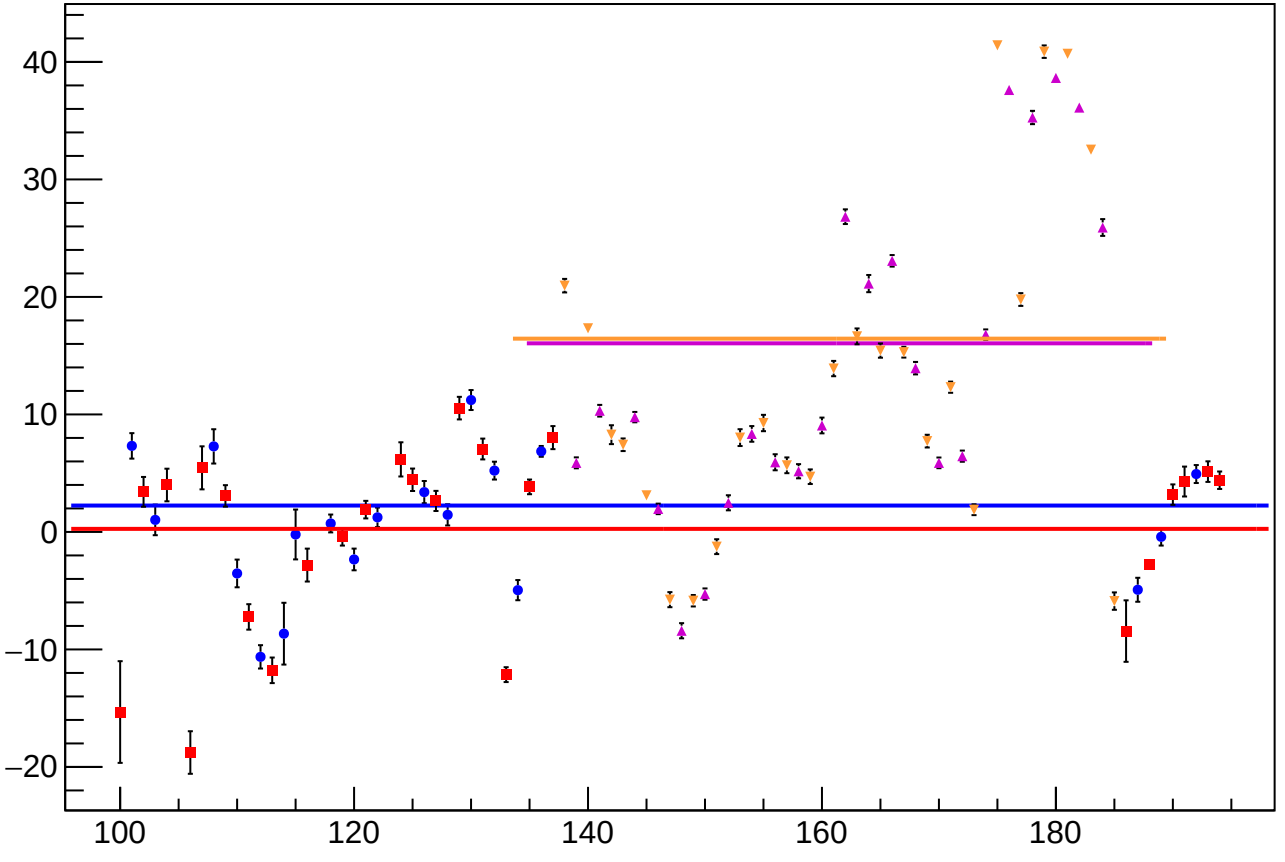
Right: -0.241+/-0.019 χ^2/NDF: 886.2/43

In: 0.226+/-0.007 χ^2/NDF:665.5/41

Out: 0.215+/-0.007 χ^2/NDF:1095.1/49

All: 0.221+/-0.005 χ^2/NDF: 1761.8/91

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.245+/-0.202 χ^2/NDF: 650.2/18

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 0.261+/-0.175 χ^2/NDF: 1189.3/24

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

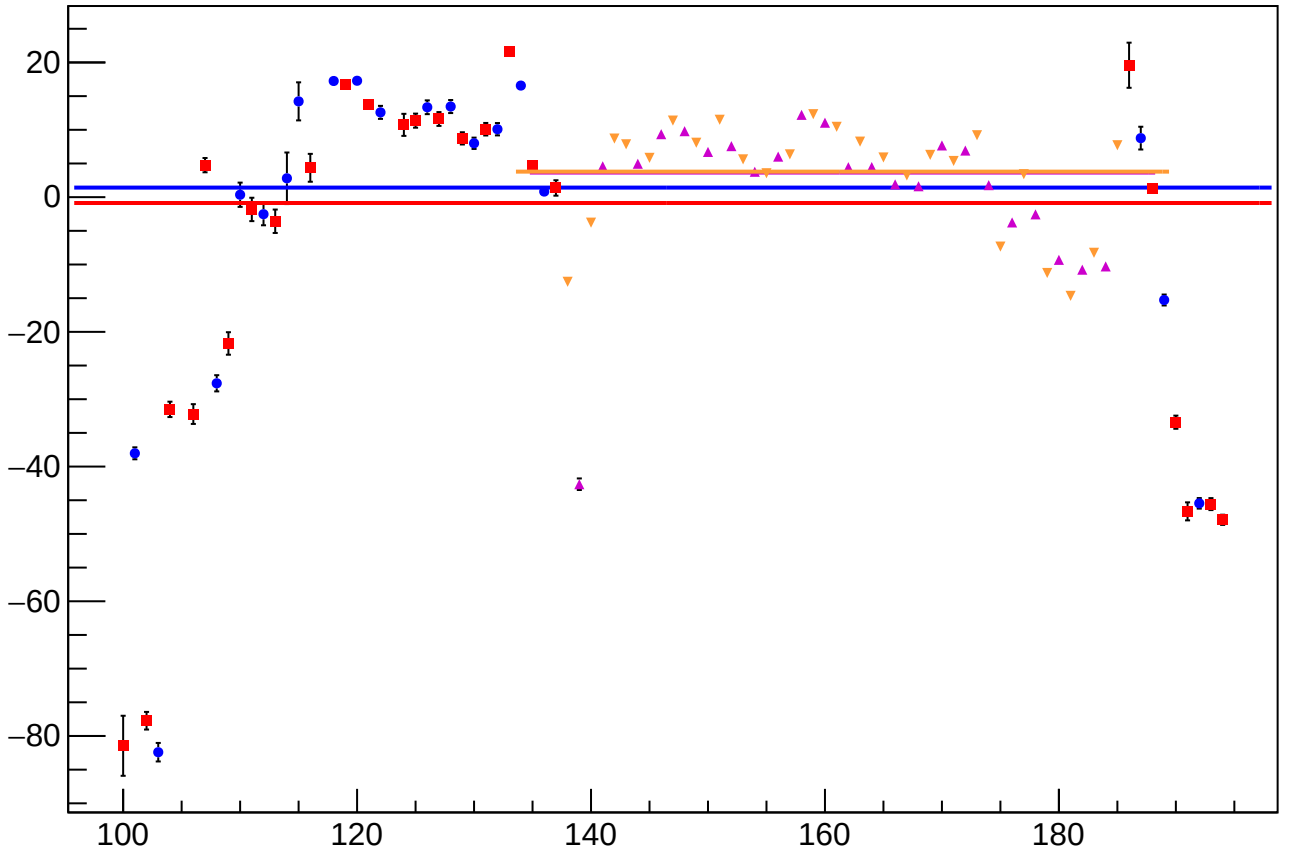
Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

Right: 1.111+/-0.133 χ^2/NDF: 1894.5/43

In: 13.026+/-0.095 χ^2/NDF:21907.0/41

Out: 12.236+/-0.089 χ^2/NDF:28894.1/49

All: 12.608+/-0.065 χ^2/NDF: 50837.9/91



Right In: 1.420+/-0.195 χ^2/NDF: 13370.7/18

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -0.867+/-0.180 χ^2/NDF: 18688.0/24

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

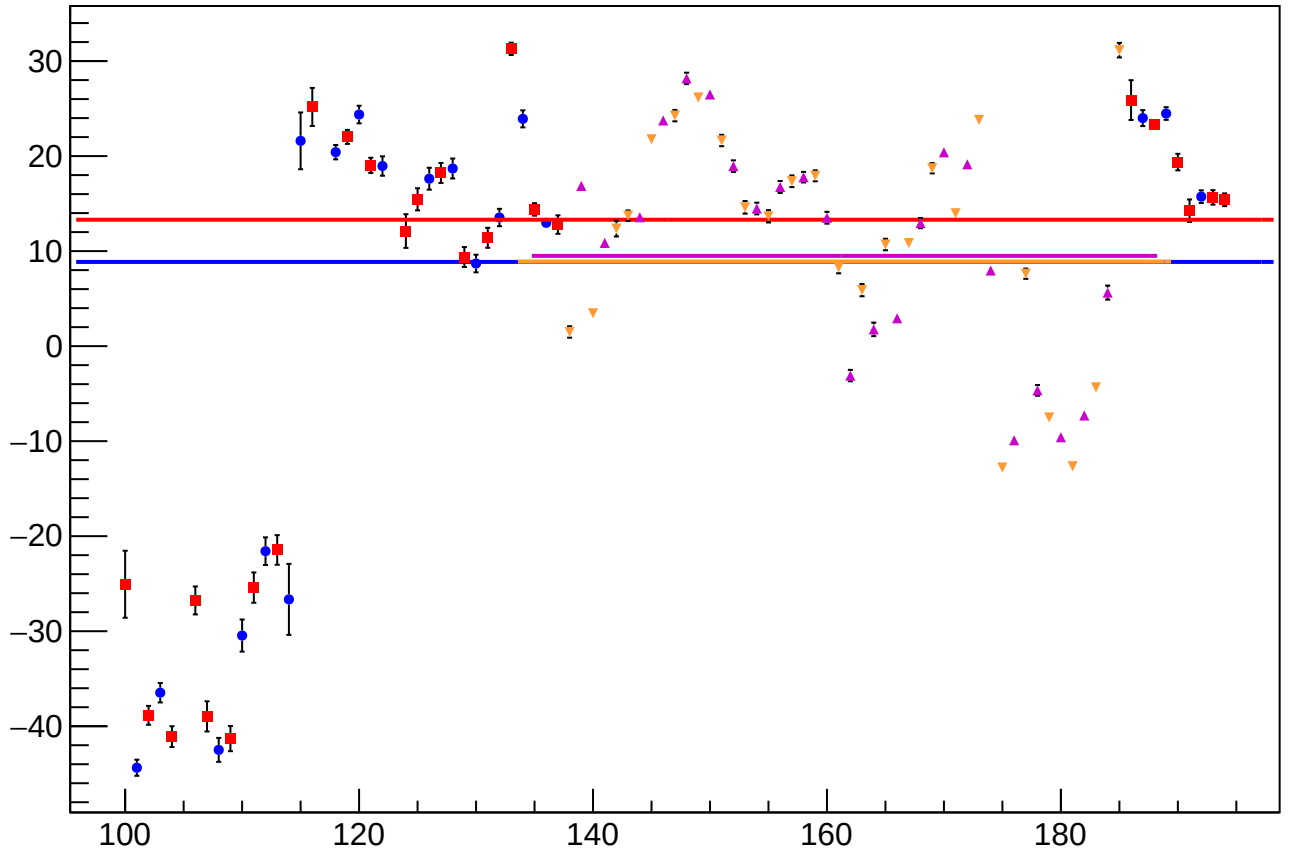
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: 0.182+/-0.132 χ^2/NDF: 32133.0/43

In: 3.308+/-0.076 χ^2/NDF:21791.6/41

Out: 3.019+/-0.073 χ^2/NDF:28349.1/49

All: 3.157+/-0.053 χ^2/NDF: 50148.2/91



Right In: 8.863+/-0.206 χ^2/NDF: 10771.8/18

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 13.306+/-0.171 χ^2/NDF: 12198.1/24

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

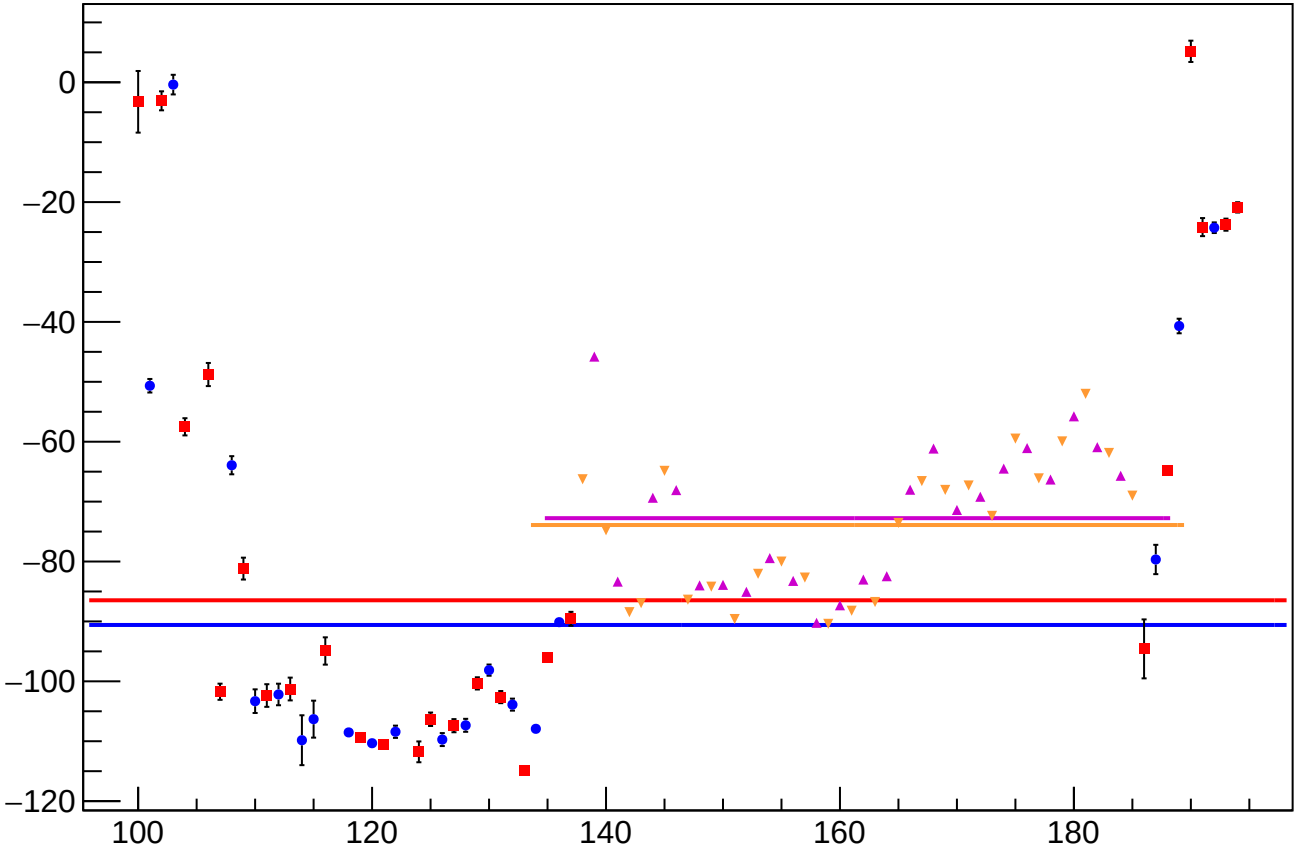
Right: 11.493+/-0.131 χ^2/NDF: 23246.6/43

In: 9.365+/-0.095 χ^2/NDF:23820.3/41

Out: 10.083+/-0.089 χ^2/NDF:28114.8/49

All: 9.747+/-0.065 χ^2/NDF: 51965.8/91

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -90.591+/-0.228 χ^2/NDF: 15262.3/18

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -86.472+/-0.214 χ^2/NDF: 25227.8/24

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

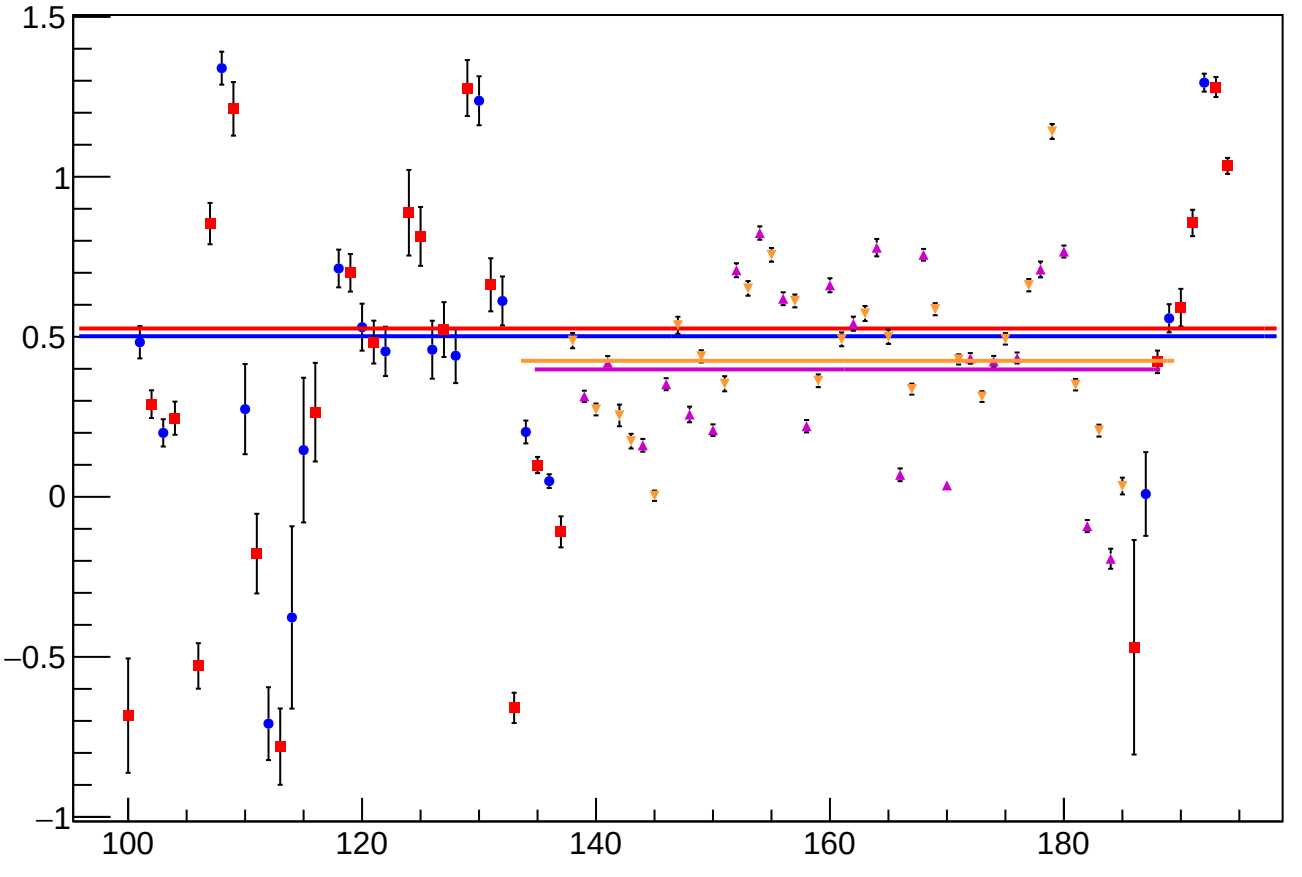
Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

Right: -88.396+/-0.156 χ^2/NDF: 40663.9/43

In: -75.321+/-0.086 χ^2/NDF:33110.1/41

Out: -75.819+/-0.083 χ^2/NDF:43730.2/49

All: -75.579+/-0.060 χ^2/NDF: 76857.5/91



Right In: 0.502+/-0.012 χ^2/NDF: 1876.3/18

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.526+/-0.010 χ^2/NDF: 2833.1/24

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

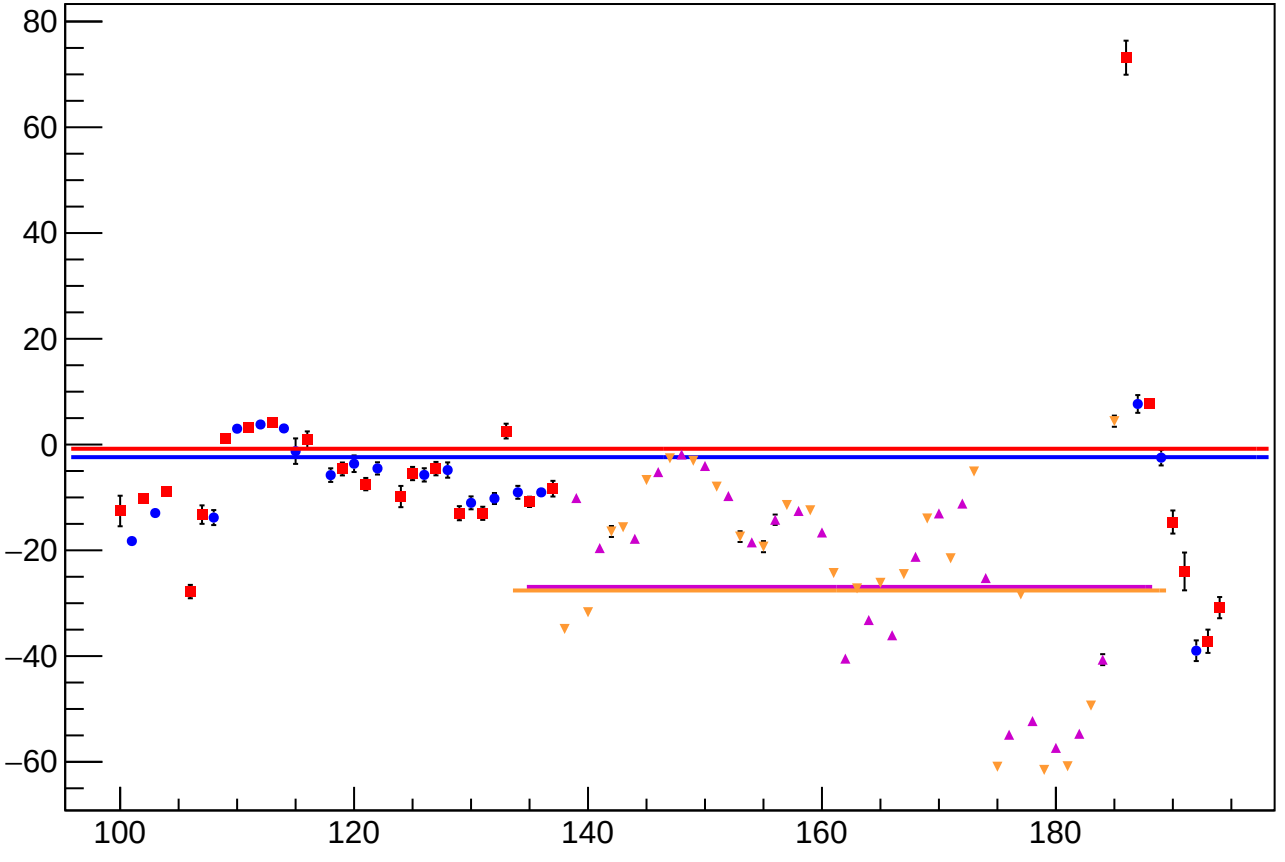
Right: 0.515+/-0.008 χ^2/NDF: 4711.8/43

In: 0.410+/-0.004 χ^2/NDF:6218.9/41

Out: 0.439+/-0.004 χ^2/NDF:5952.4/49

All: 0.425+/-0.003 χ^2/NDF: 12199.8/91

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.382+/-0.188 χ^2/NDF: 1878.6/18

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -0.795+/-0.164 χ^2/NDF: 2696.5/24

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

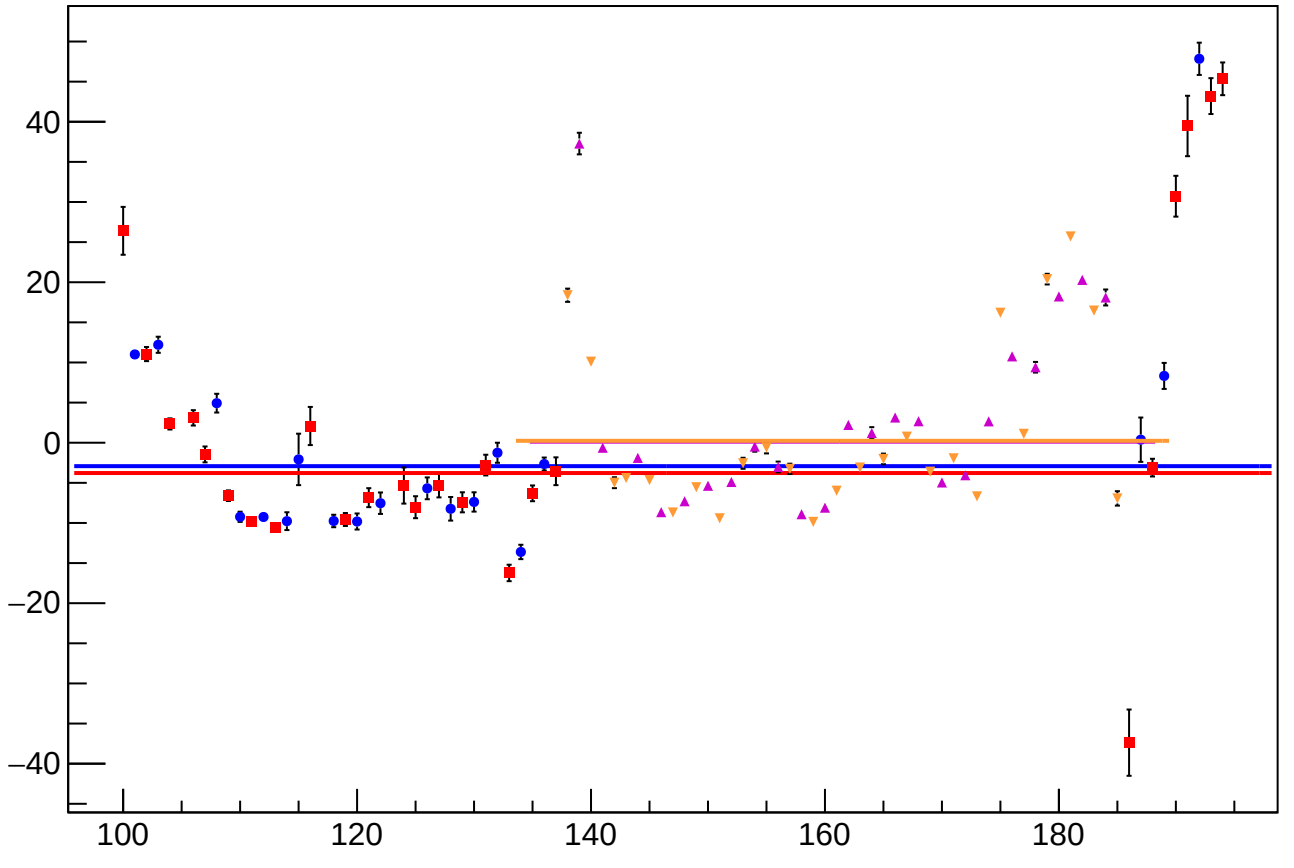
Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

Right: -1.482+/-0.124 χ^2/NDF: 4615.4/43

In: -17.453+/-0.117 χ^2/NDF:27846.6/41

Out: -15.937+/-0.108 χ^2/NDF:37459.2/49

All: -16.638+/-0.080 χ^2/NDF: 65396.1/91



Right In: -2.921+/-0.221 χ^2/NDF: 2128.0/18

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -3.778+/-0.211 χ^2/NDF: 2422.9/24

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

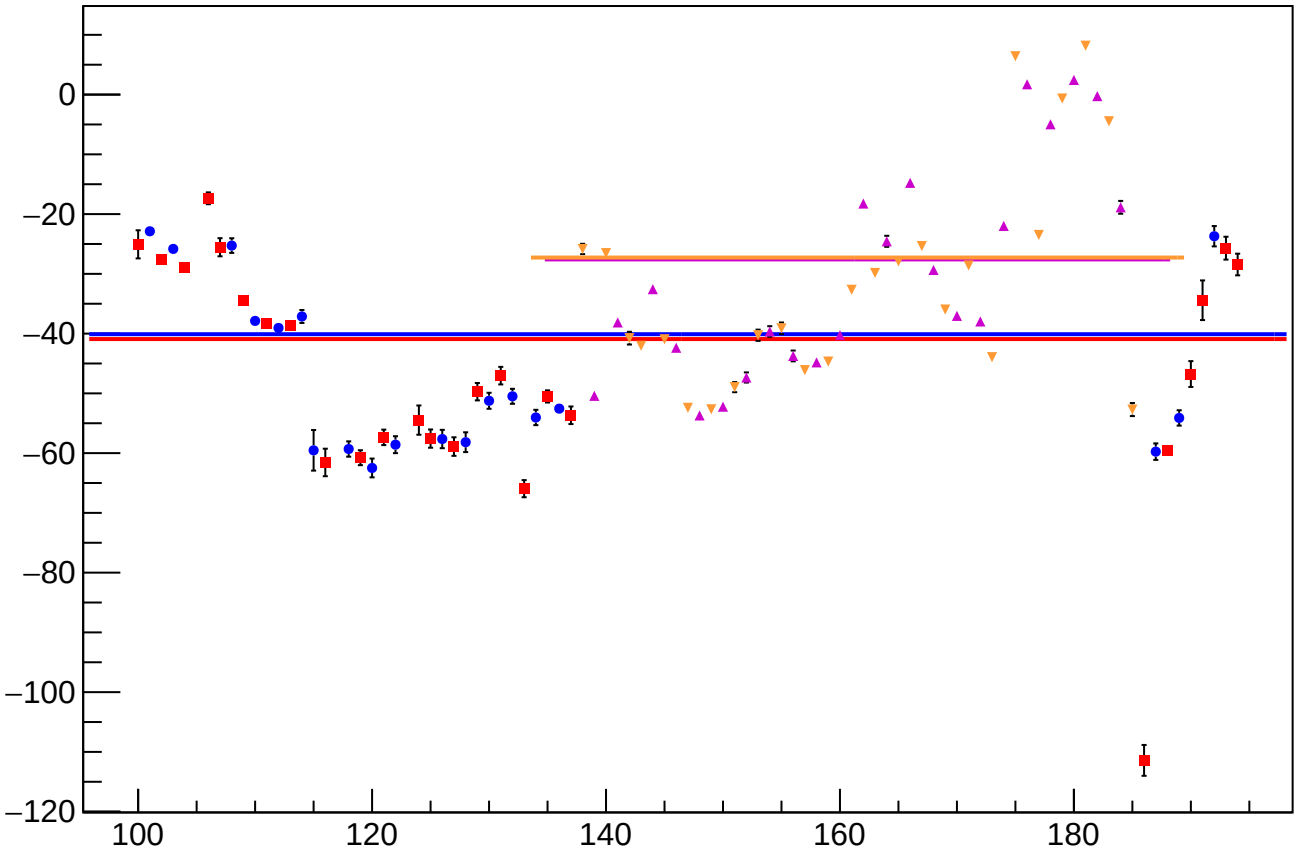
Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

Right: -3.370+/-0.153 χ^2/NDF: 4558.8/43

In: -0.512+/-0.102 χ^2/NDF:8115.3/41

Out: -0.623+/-0.098 χ^2/NDF:10742.9/49

All: -0.570+/-0.070 χ^2/NDF: 18858.9/91



Right In: -40.099+/-0.217 χ^2/NDF: 3381.6/18

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -40.912+/-0.197 χ^2/NDF: 4654.6/24

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

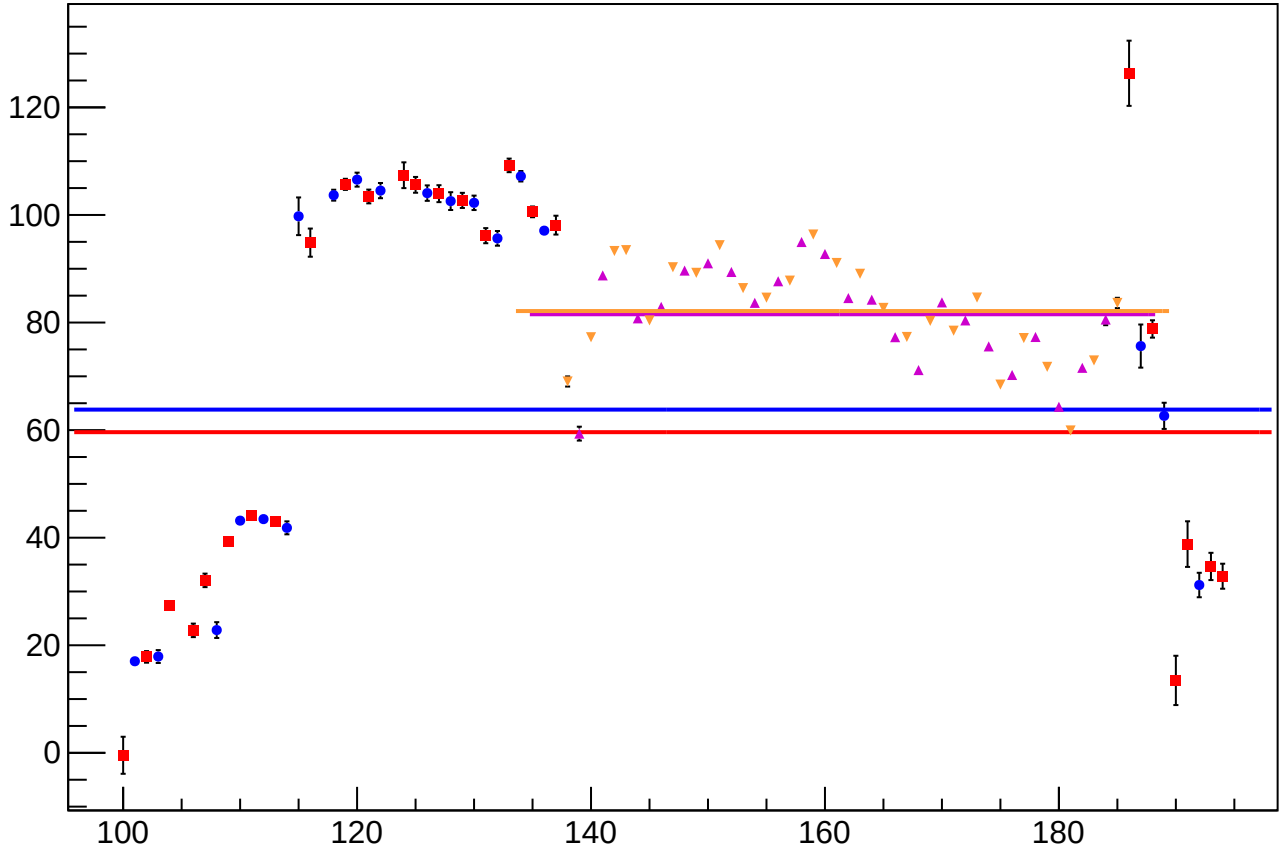
Right: -40.546+/-0.146 χ^2/NDF: 8043.8/43

In: -31.553+/-0.122 χ^2/NDF:21292.6/41

Out: -32.014+/-0.116 χ^2/NDF:26306.6/49

All: -31.796+/-0.084 χ^2/NDF: 47606.6/91

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 63.813+/-0.254 χ^2/NDF: 18813.2/18

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 59.619+/-0.242 χ^2/NDF: 18049.6/24

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

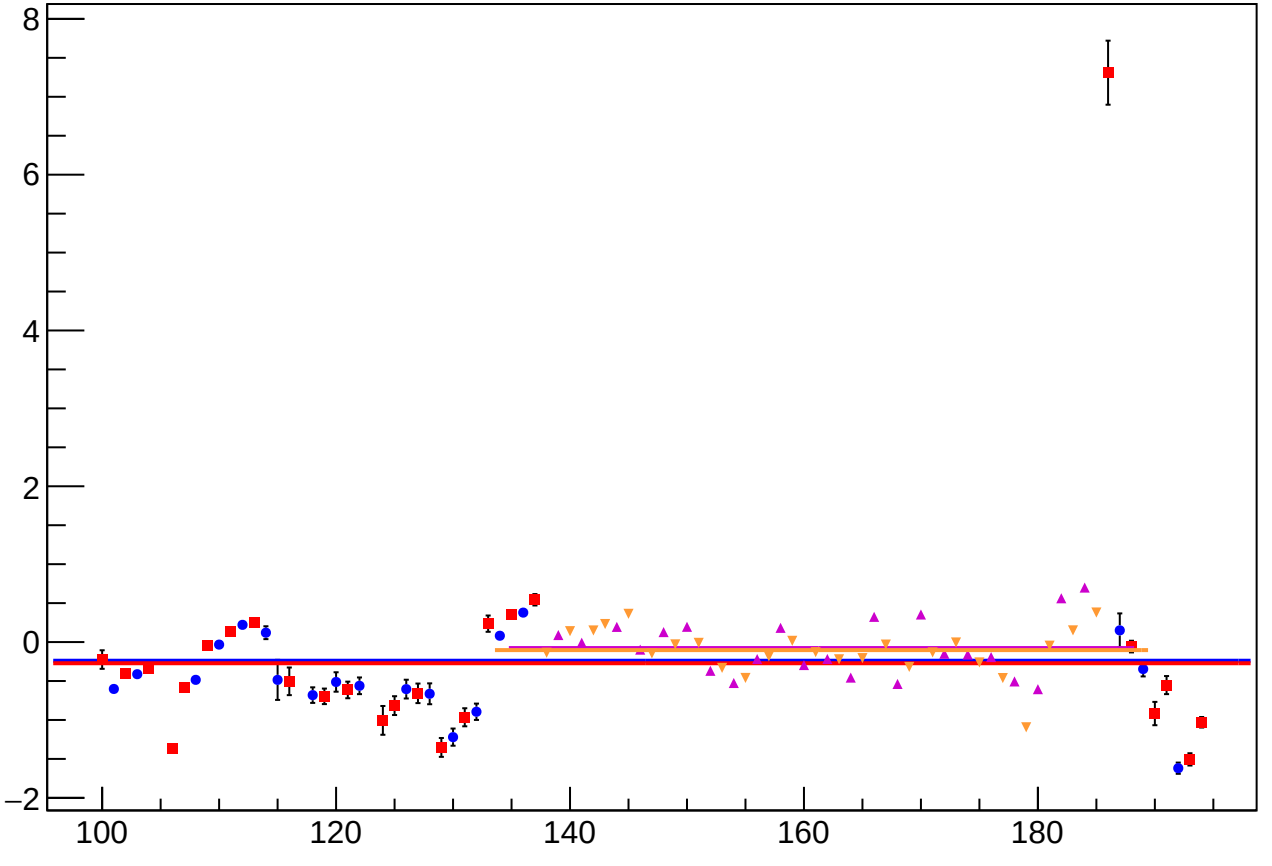
Right: 61.618+/-0.175 χ^2/NDF: 37005.5/43

In: 77.905+/-0.115 χ^2/NDF:26729.4/41

Out: 77.419+/-0.111 χ^2/NDF:30246.1/49

All: 77.653+/-0.080 χ^2/NDF: 56984.8/91

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.240+/-0.013 χ^2/NDF: 1303.1/18

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.272+/-0.012 χ^2/NDF: 2130.6/24

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

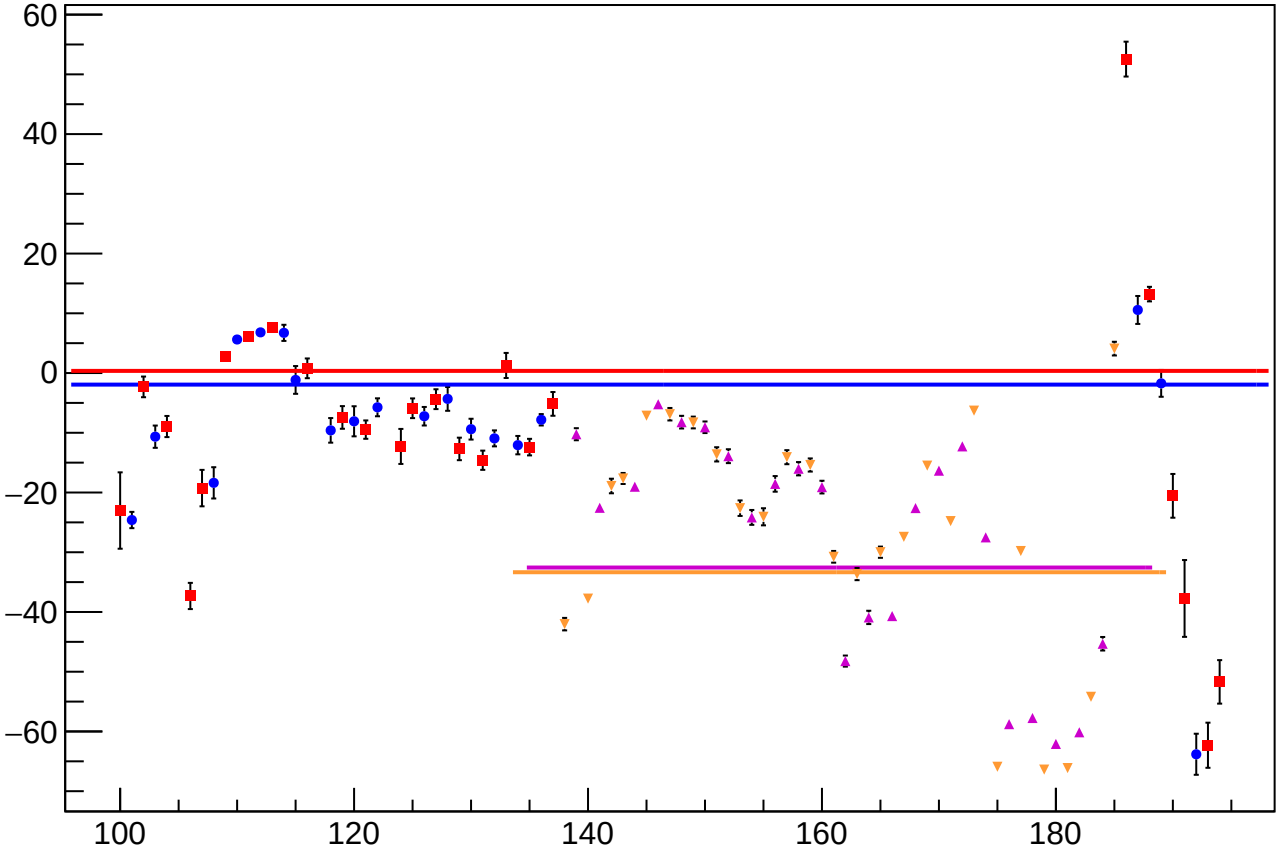
Right: -0.257+/-0.009 χ^2/NDF: 3436.9/43

In: -0.103+/-0.005 χ^2/NDF:4754.3/41

Out: -0.132+/-0.005 χ^2/NDF:4695.2/49

All: -0.118+/-0.004 χ^2/NDF: 9465.3/91

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.937+/-0.301 χ^2/NDF: 1253.7/18

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: 0.359+/-0.271 χ^2/NDF: 1910.9/24

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

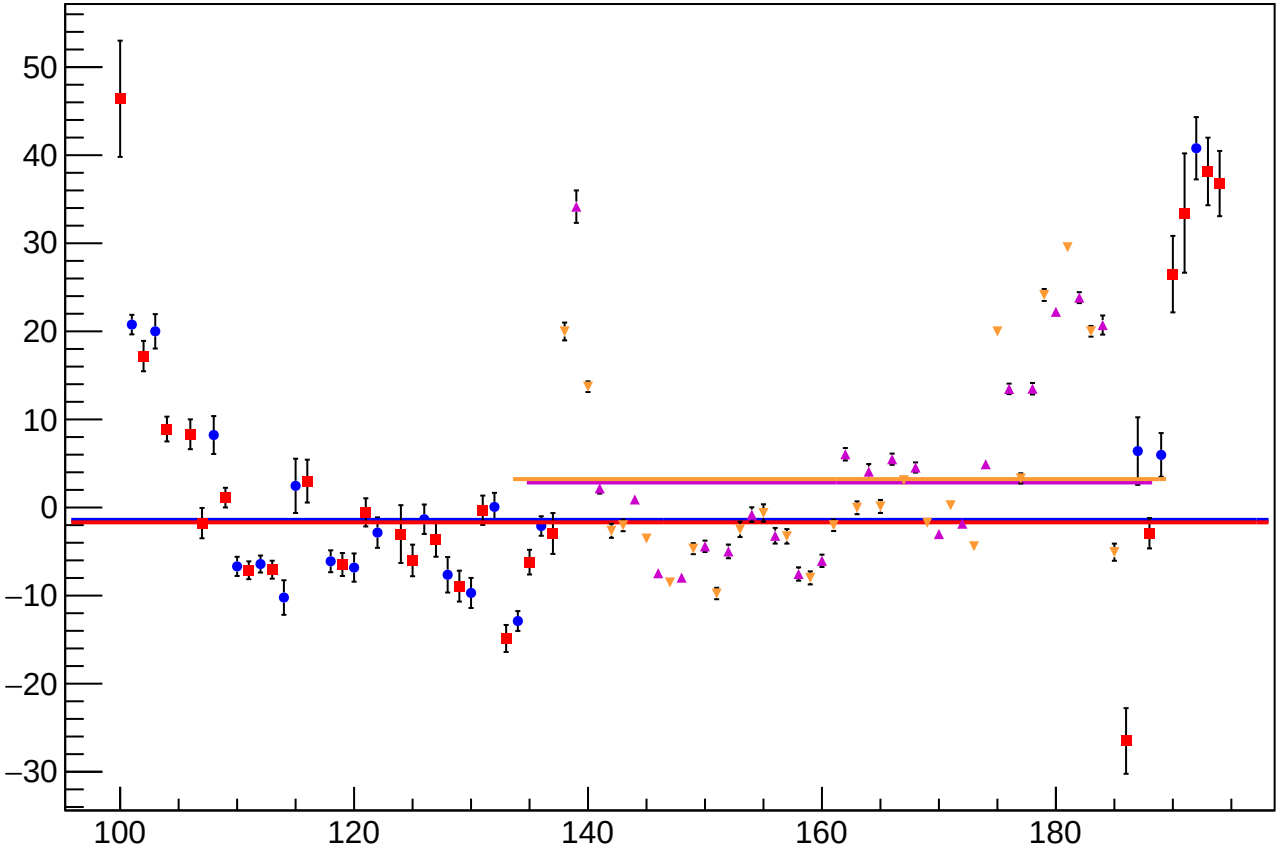
Right: -0.667+/-0.202 χ^2/NDF: 3196.7/43

In: -25.209+/-0.148 χ^2/NDF:22990.3/41

Out: -24.261+/-0.141 χ^2/NDF:31201.5/49

All: -24.712+/-0.102 χ^2/NDF: 54213.4/91

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.402+/-0.349 χ^2/NDF: 930.7/18

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

Right Out: -1.682+/-0.342 χ^2/NDF: 784.5/24

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

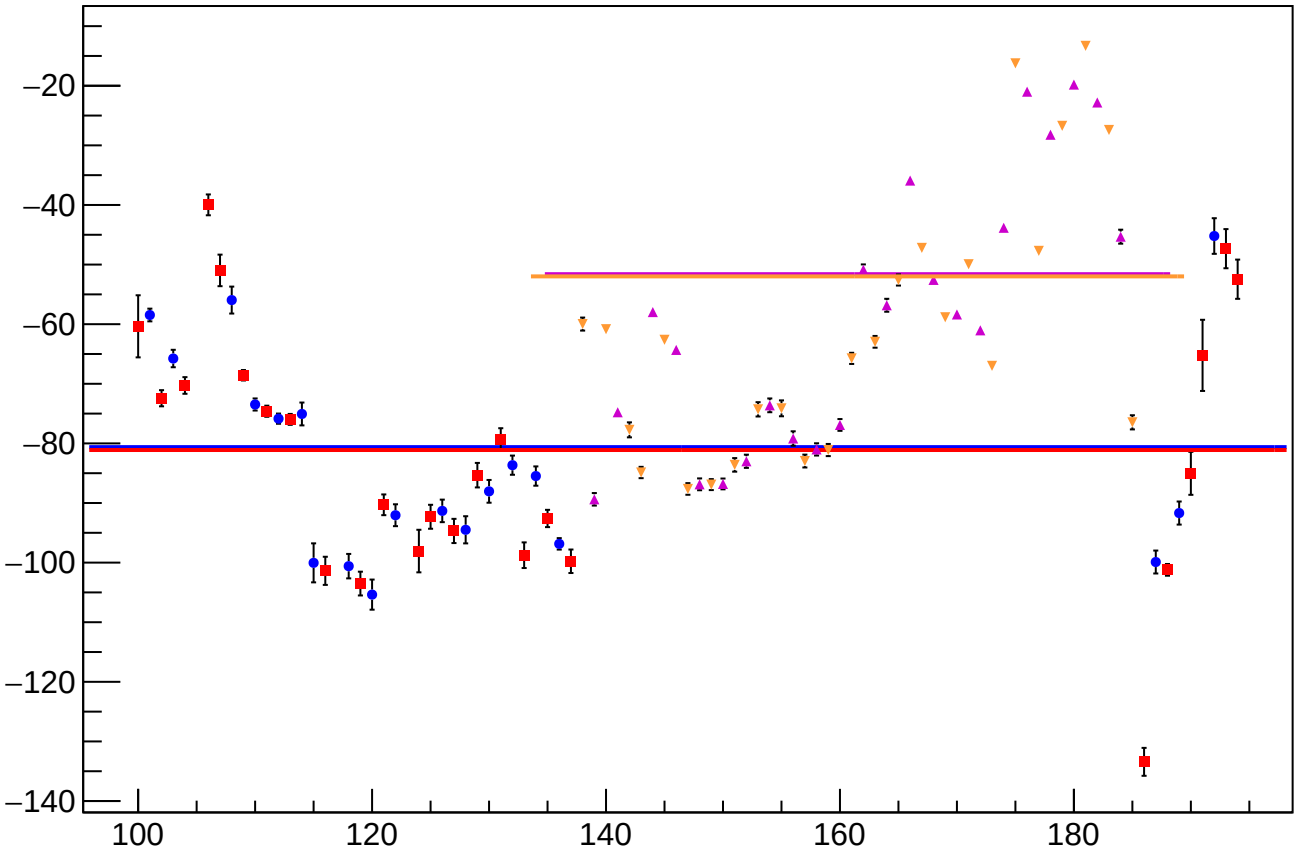
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

Right: -1.545+/-0.244 χ^2/NDF: 1715.5/43

In: 2.320+/-0.123 χ^2/NDF:6515.8/41

Out: 2.620+/-0.120 χ^2/NDF:8640.5/49

All: 2.474+/-0.086 χ^2/NDF: 15159.3/91



Right In: -80.626+/-0.350 χ^2/NDF: 1663.1/18

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -81.110+/-0.324 χ^2/NDF: 2742.5/24

Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

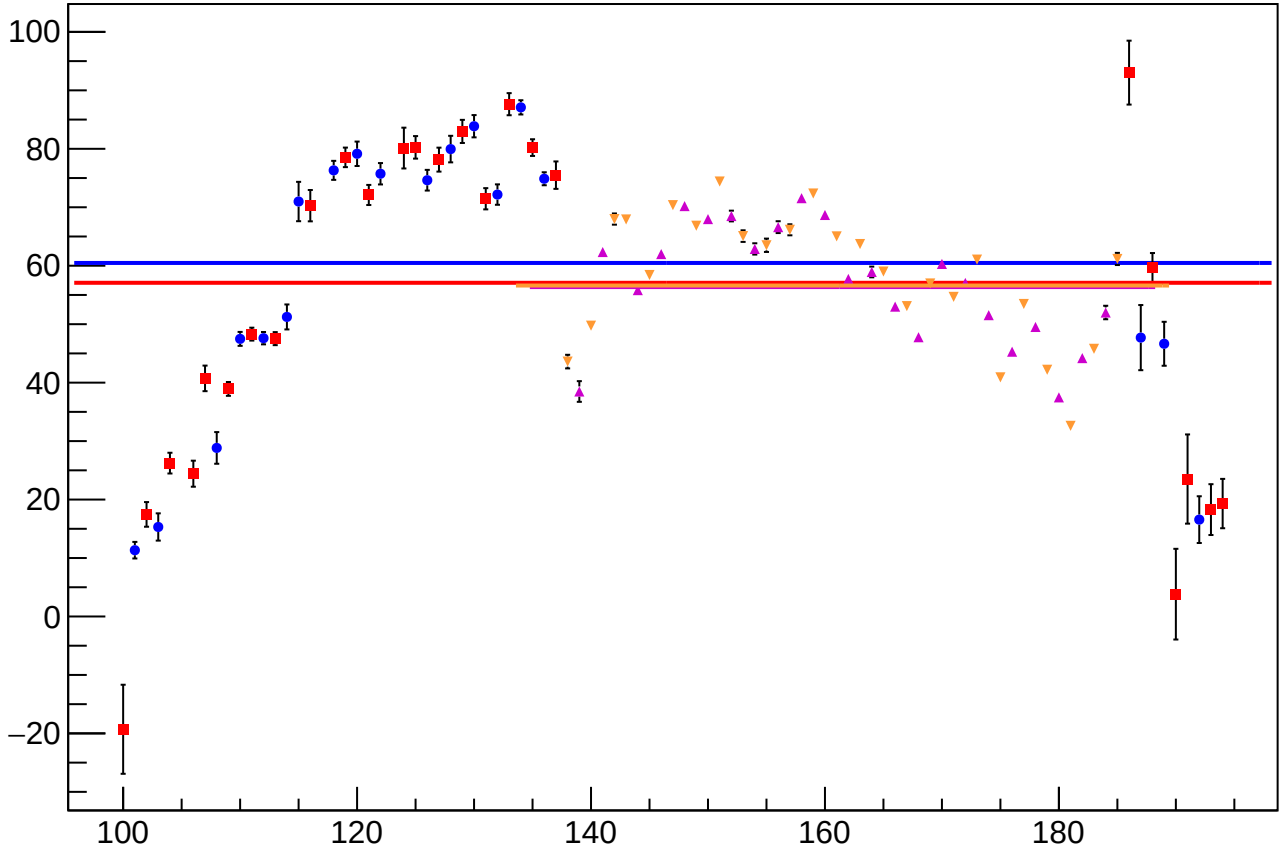
Right: -80.886+/-0.238 χ^2/NDF: 4406.6/43

In: -57.110+/-0.152 χ^2/NDF:24868.3/41

Out: -57.961+/-0.147 χ^2/NDF:30041.3/49

All: -57.551+/-0.106 χ^2/NDF: 54925.8/91

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 60.475+/-0.395 χ^2/NDF: 3371.4/18

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 57.082+/-0.390 χ^2/NDF: 3048.7/24

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

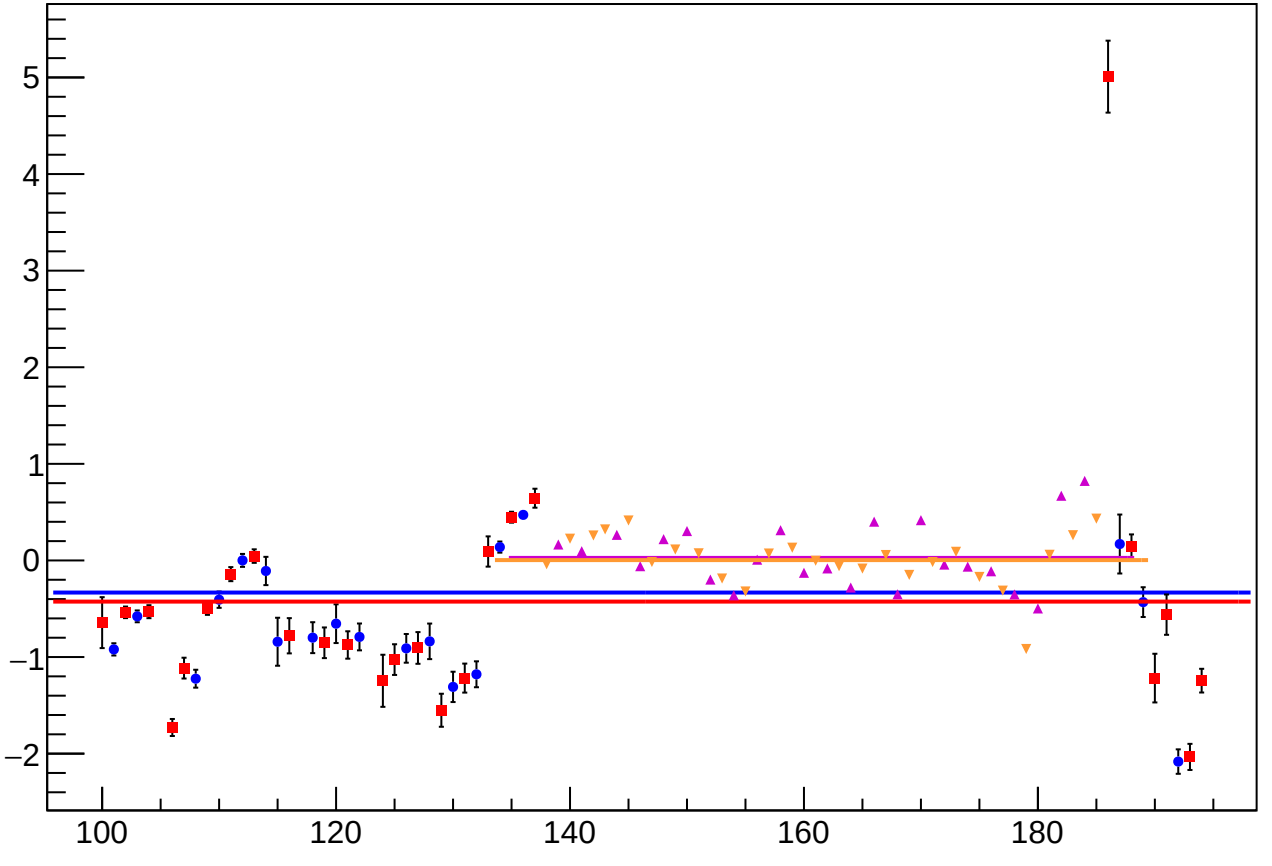
Right: 58.755+/-0.278 χ^2/NDF: 6457.4/43

In: 56.852+/-0.138 χ^2/NDF:7435.8/41

Out: 56.669+/-0.135 χ^2/NDF:8716.1/49

All: 56.758+/-0.097 χ^2/NDF: 16152.8/91

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.332+/-0.021 χ^2/NDF: 928.0/18

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.426+/-0.021 χ^2/NDF: 1252.8/24

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

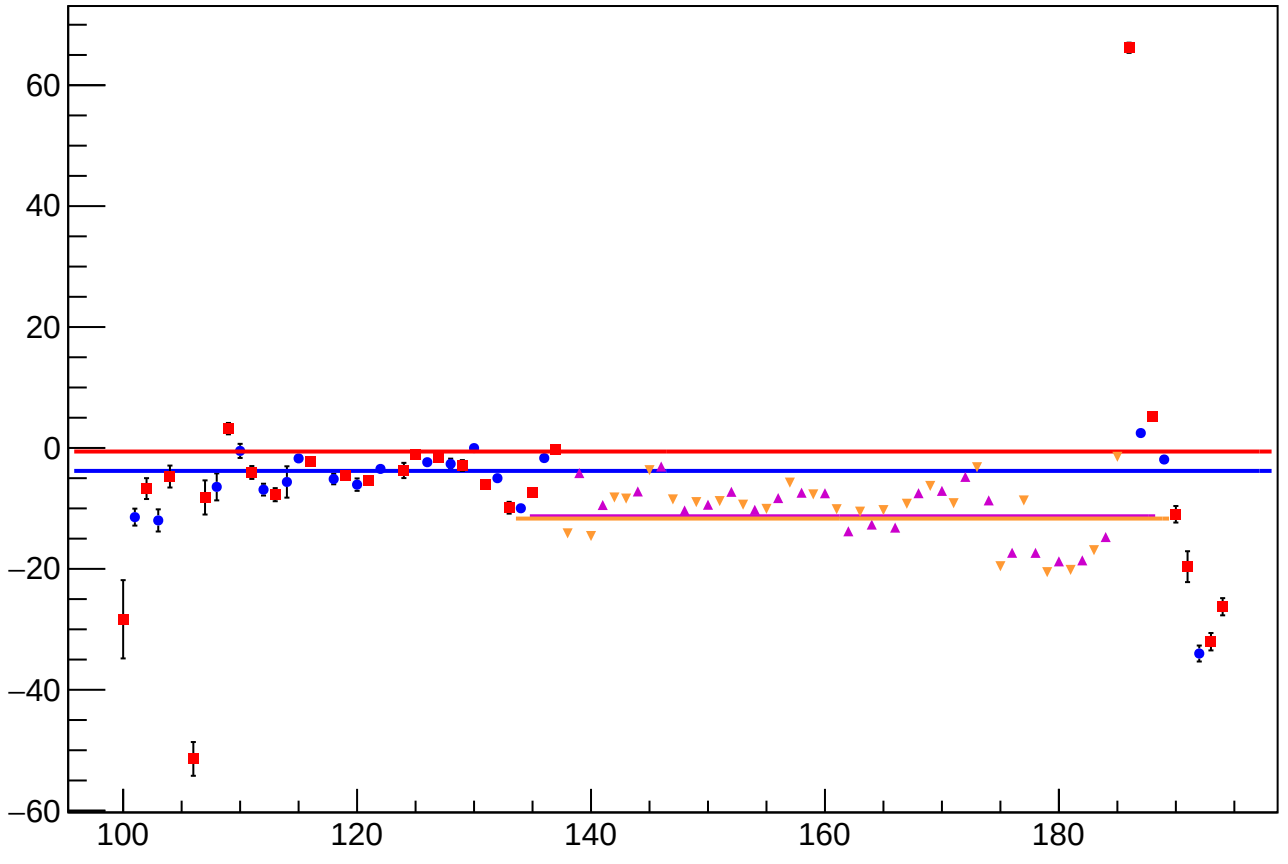
Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

Right: -0.380+/-0.015 χ^2/NDF: 2190.8/43

In: -0.006+/-0.006 χ^2/NDF:3540.8/41

Out: -0.034+/-0.006 χ^2/NDF:3343.8/49

All: -0.020+/-0.004 χ^2/NDF: 6895.2/91



Right In: -3.796+/-0.177 χ^2/NDF: 823.5/18

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -0.592+/-0.172 χ^2/NDF: 8242.9/24

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

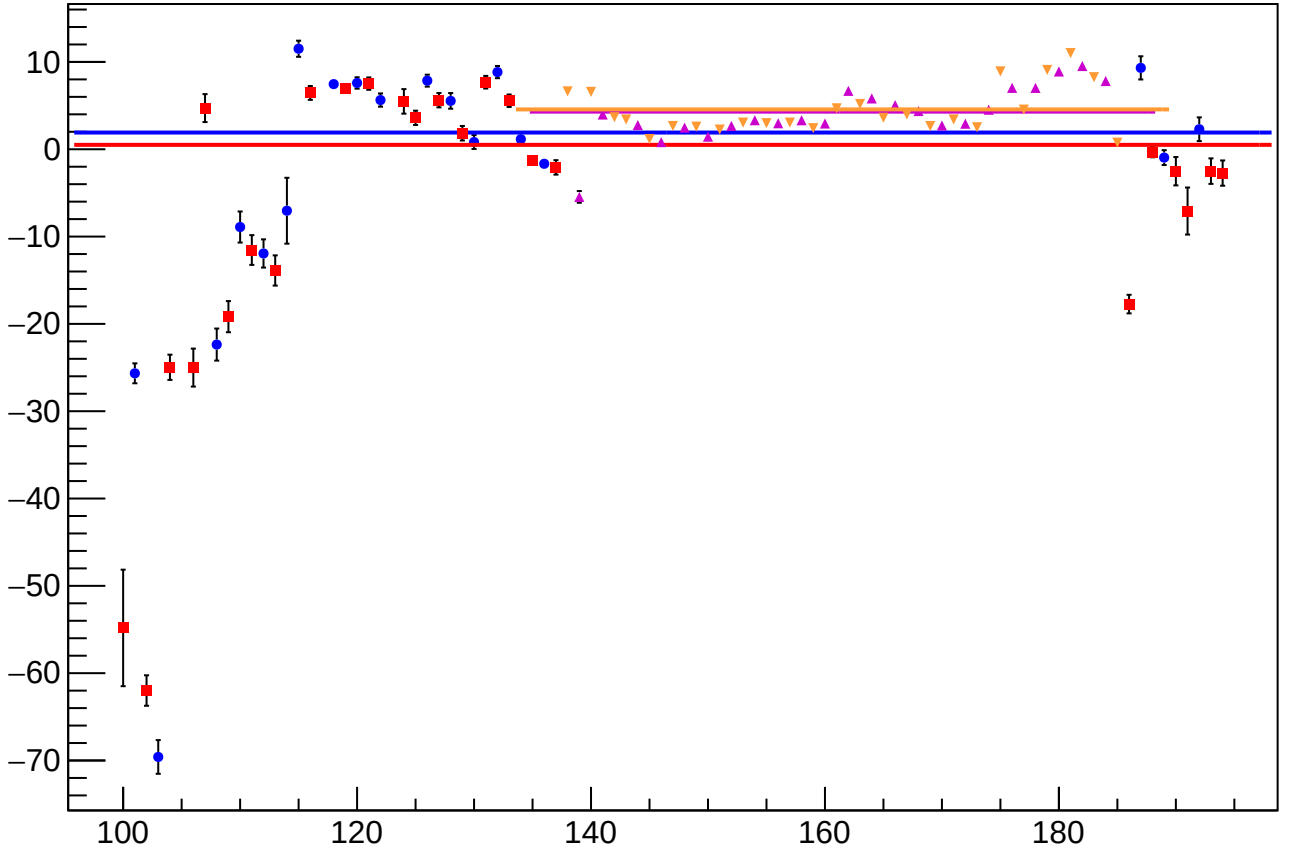
Right: -2.146+/-0.124 χ^2/NDF: 9234.4/43

In: -10.665+/-0.052 χ^2/NDF:11690.5/41

Out: -10.732+/-0.050 χ^2/NDF:24637.2/49

All: -10.699+/-0.036 χ^2/NDF: 36328.6/91

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.914+/-0.181 χ^2/NDF: 2880.8/18

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: 0.504+/-0.188 χ^2/NDF: 2900.2/24

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

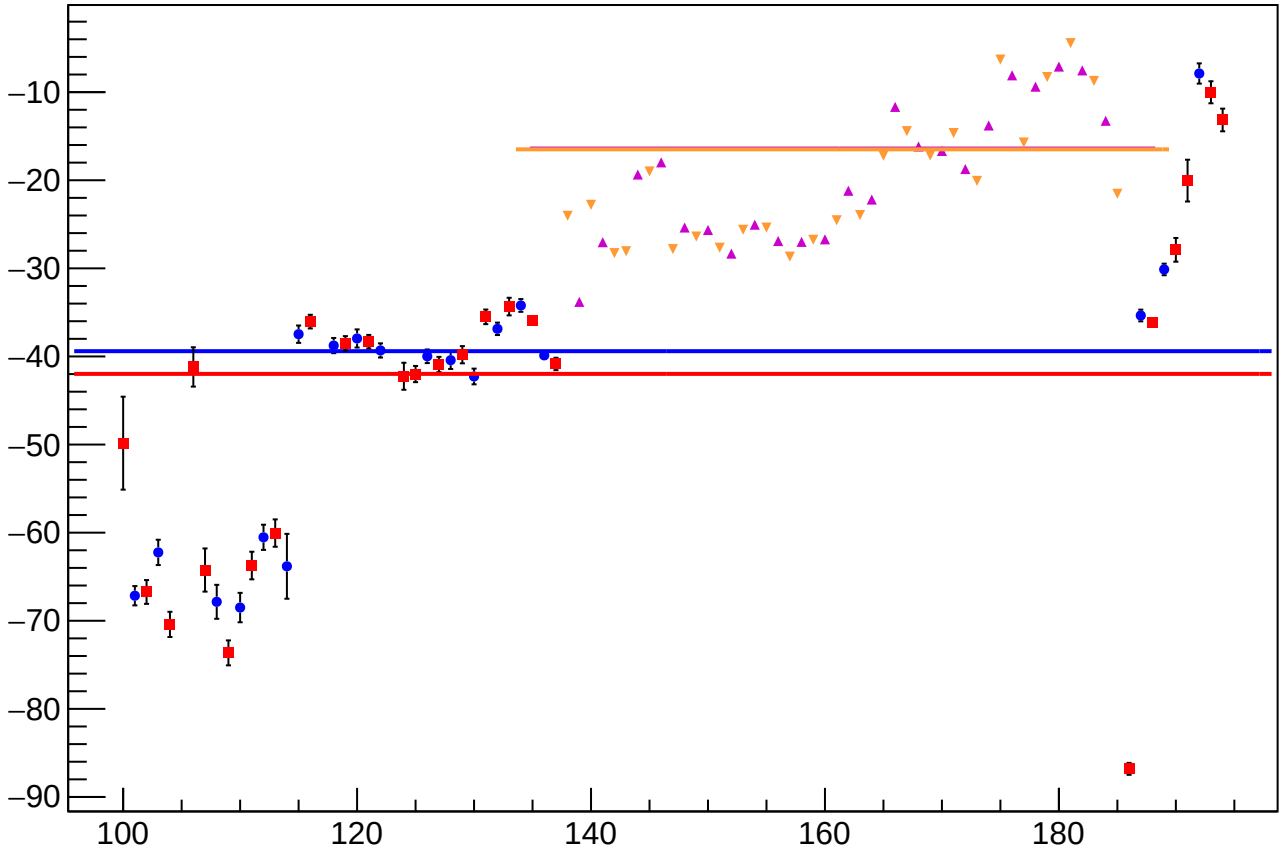
Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

Right: 1.236+/-0.131 χ^2/NDF: 5810.1/43

In: 4.185+/-0.041 χ^2/NDF:6655.5/41

Out: 4.377+/-0.040 χ^2/NDF:7699.8/49

All: 4.283+/-0.029 χ^2/NDF: 14366.4/91



Right In: -39.400+/-0.187 χ^2/NDF: 2751.0/18

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -41.978+/-0.177 χ^2/NDF: 8020.8/24

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

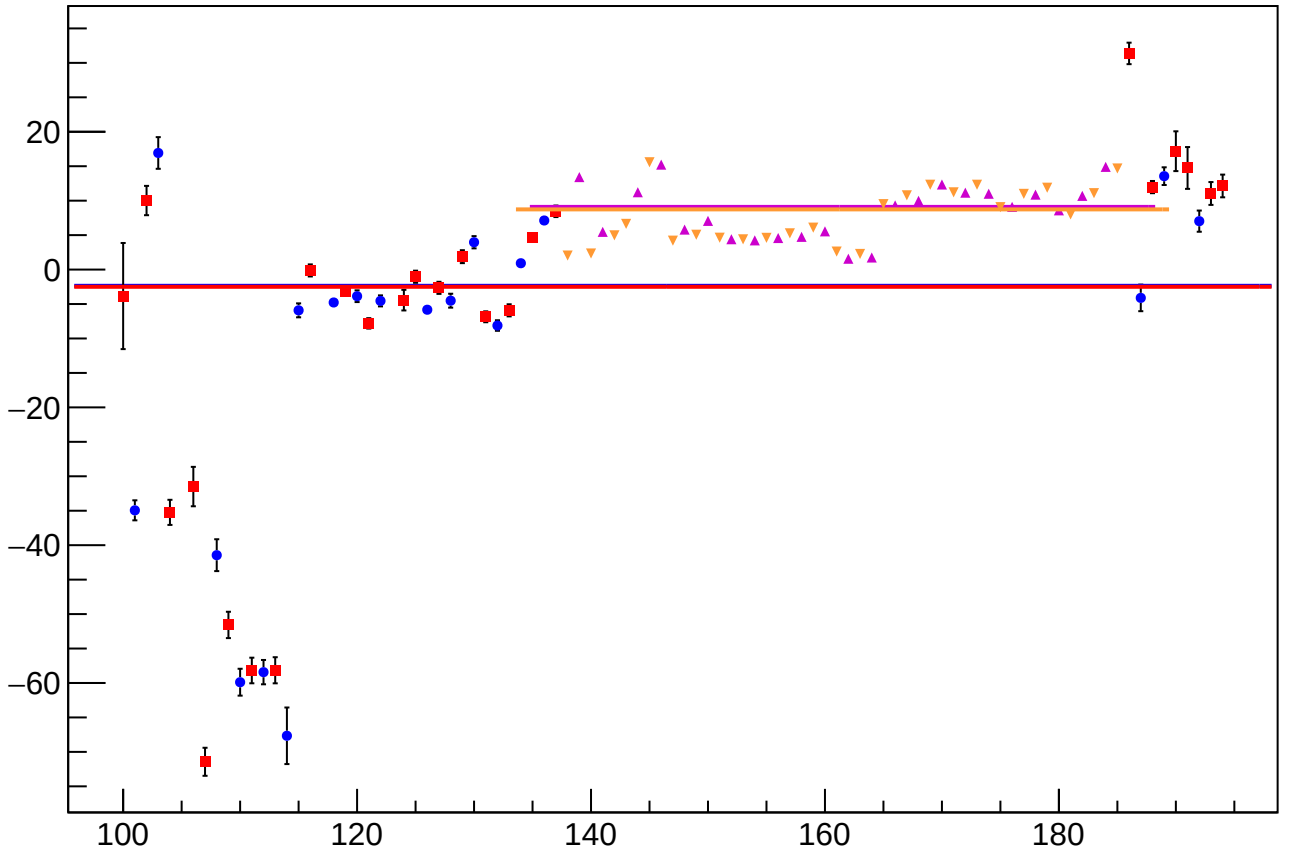
Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

Right: -40.760+/-0.129 χ^2/NDF: 10871.8/43

In: -18.164+/-0.052 χ^2/NDF:34717.4/41

Out: -18.568+/-0.051 χ^2/NDF:48991.8/49

All: -18.371+/-0.036 χ^2/NDF: 83740.4/91



Right In: -2.358+/-0.204 χ^2/NDF: 3925.0/18

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -2.497+/-0.217 χ^2/NDF: 5458.4/24

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

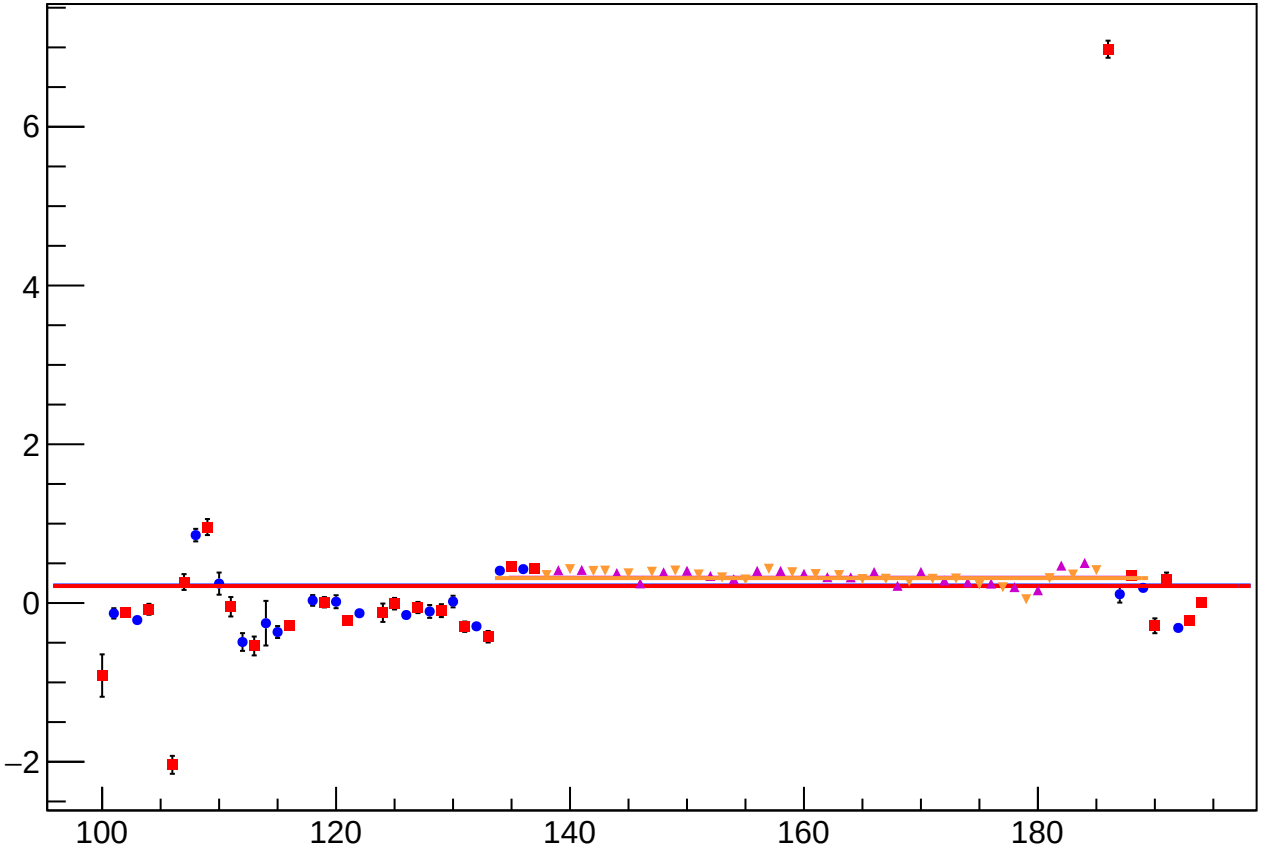
Right: -2.423+/-0.149 χ^2/NDF: 9383.7/43

In: 8.516+/-0.046 χ^2/NDF:12659.8/41

Out: 8.247+/-0.045 χ^2/NDF:14899.2/49

All: 8.380+/-0.032 χ^2/NDF: 27576.5/91

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.221+/-0.011 χ^2/NDF: 760.5/18

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.214+/-0.012 χ^2/NDF: 5123.8/24

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

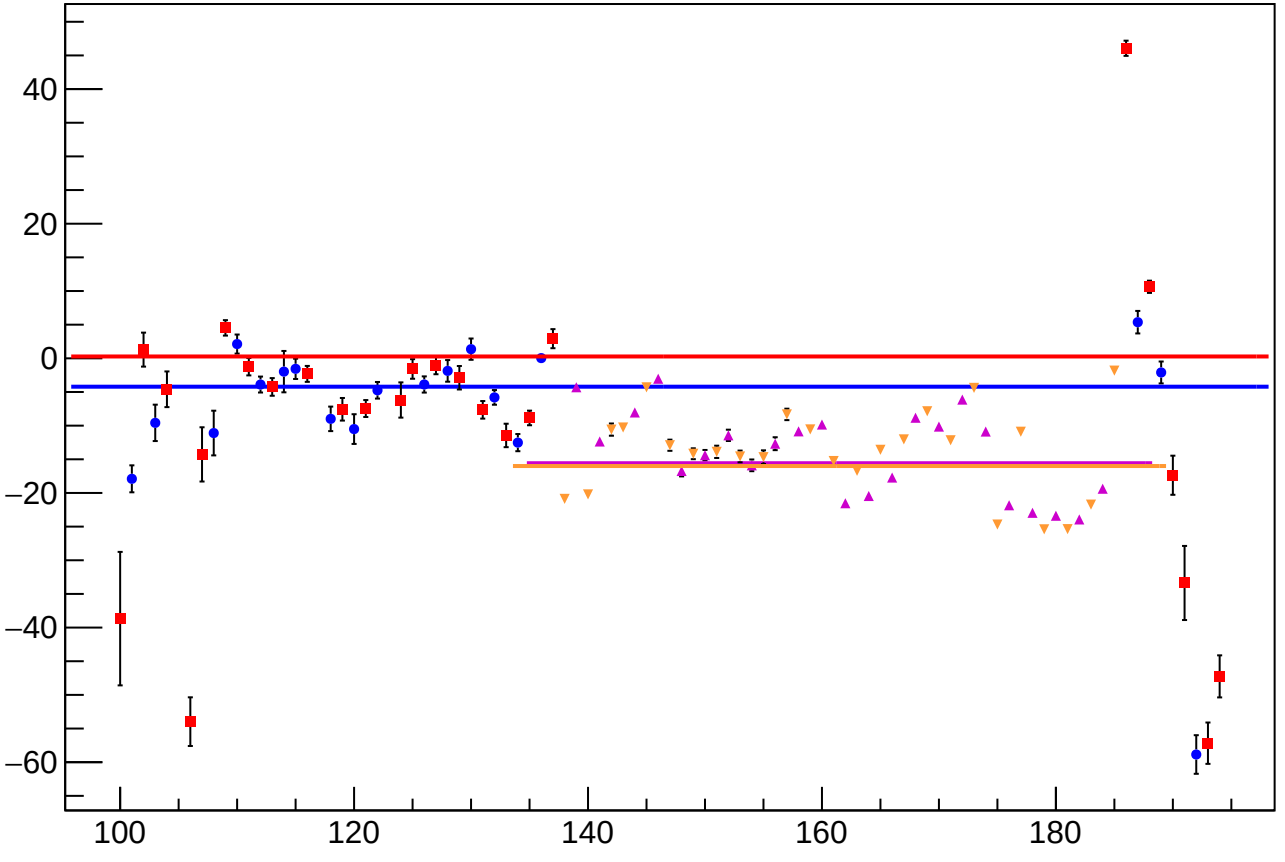
Right: 0.217+/-0.008 χ^2/NDF: 5884.5/43

In: 0.315+/-0.002 χ^2/NDF:2626.8/41

Out: 0.311+/-0.002 χ^2/NDF:6797.1/49

All: 0.313+/-0.001 χ^2/NDF: 9425.9/91

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.213+/-0.330 χ^2/NDF: 587.0/18

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: 0.276+/-0.313 χ^2/NDF: 2947.9/24

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

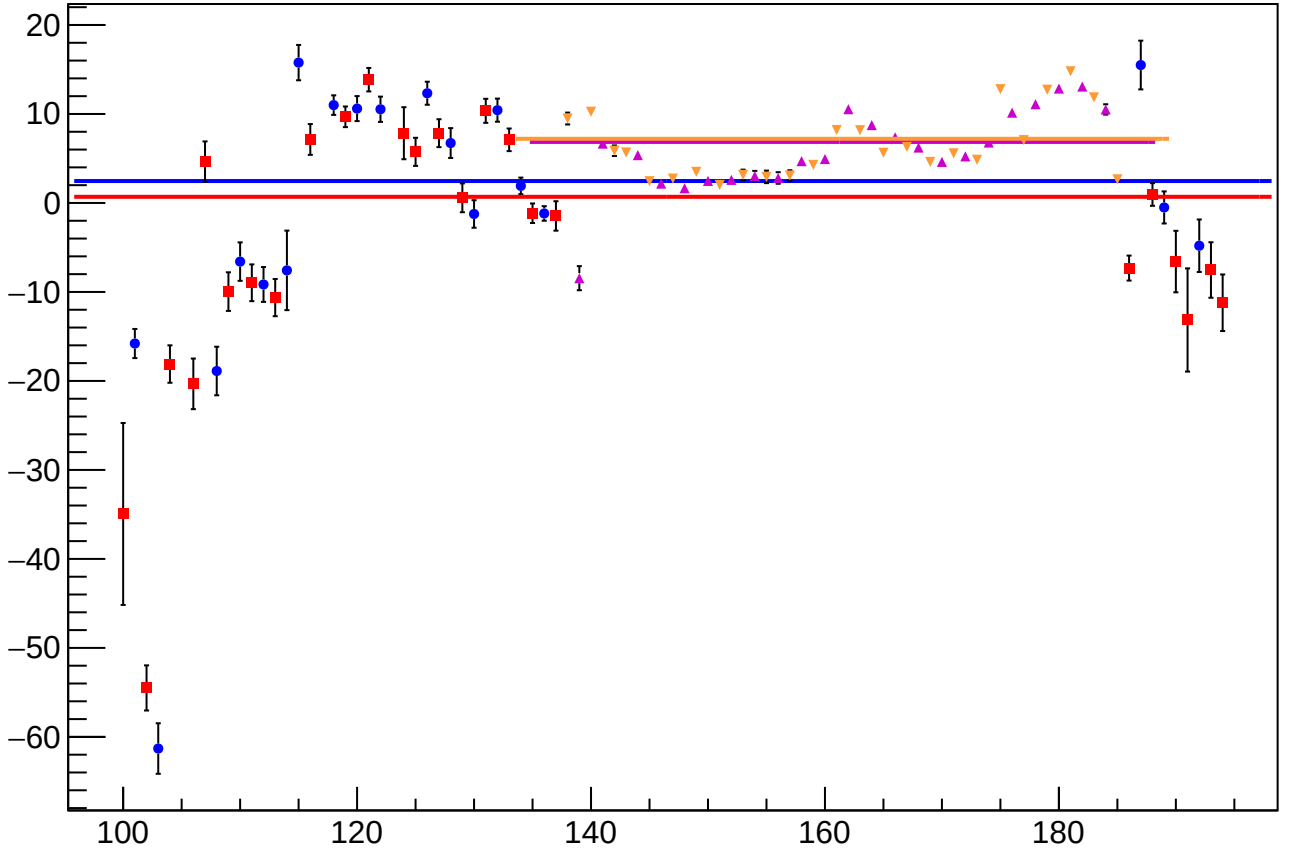
Right: -1.853+/-0.227 χ^2/NDF: 3632.5/43

In: -14.588+/-0.097 χ^2/NDF:6433.0/41

Out: -14.509+/-0.095 χ^2/NDF:11368.3/49

All: -14.548+/-0.068 χ^2/NDF: 17801.6/91

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.464+/-0.345 χ^2/NDF: 1078.2/18

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: 0.693+/-0.350 χ^2/NDF: 1054.0/24

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

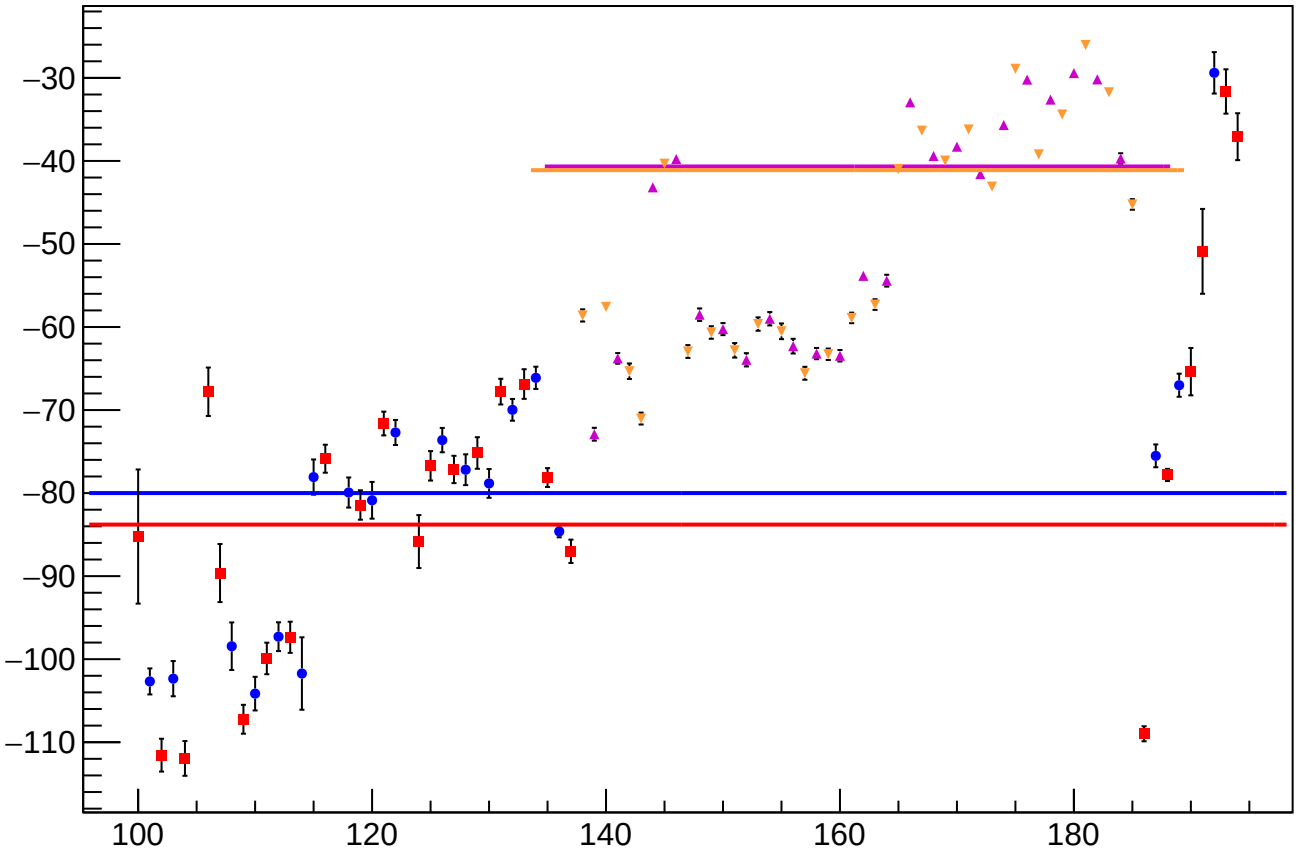
Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

Right: 1.592+/-0.246 χ^2/NDF: 2145.2/43

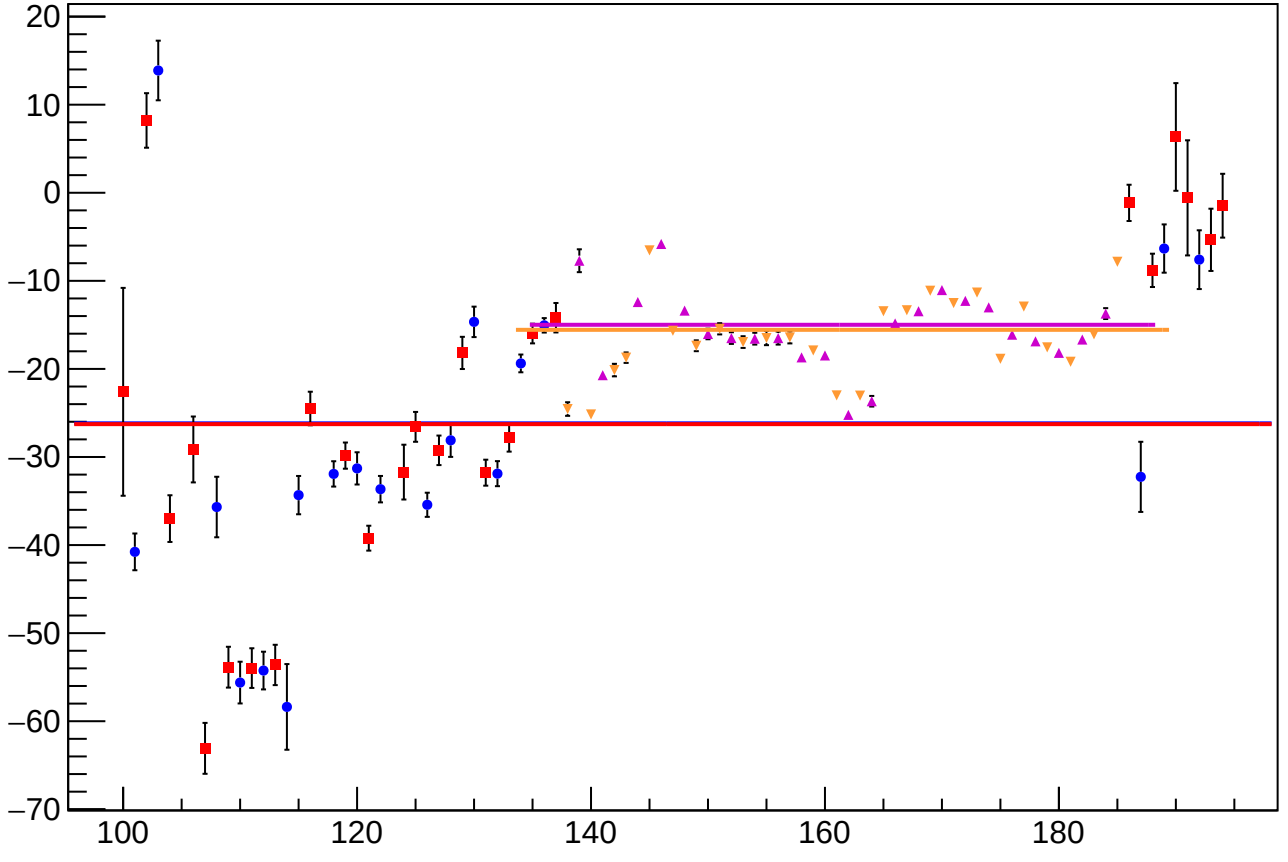
In: 6.626+/-0.079 χ^2/NDF:3388.4/41

Out: 6.888+/-0.078 χ^2/NDF:3838.9/49

All: 6.759+/-0.056 χ^2/NDF: 7232.9/91


reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−30
−40
−50
−60
−70
−80
−90
−100
−110
100
120
140
160
180
Right In: -79.997+/-0.354 χ²/NDF: 1392.4/18
Left Out: -41.111+/-0.100 χ²/NDF:16000.8/24
Right Out: -83.793+/-0.327 χ²/NDF: 2674.7/24
Left In: -40.665+/-0.102 χ²/NDF:13541.3/22
Left: -40.893+/-0.071 χ²/NDF: 29551.8/47
Right: -82.044+/-0.240 χ²/NDF: 4129.1/43
In: -43.692+/-0.098 χ²/NDF:26326.2/41
Out: -44.758+/-0.096 χ²/NDF:34242.6/49
All: -44.239+/-0.069 χ²/NDF: 60629.3/91

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.181+/-0.387 χ^2/NDF: 1051.6/18

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -26.271+/-0.405 χ^2/NDF: 1367.3/24

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

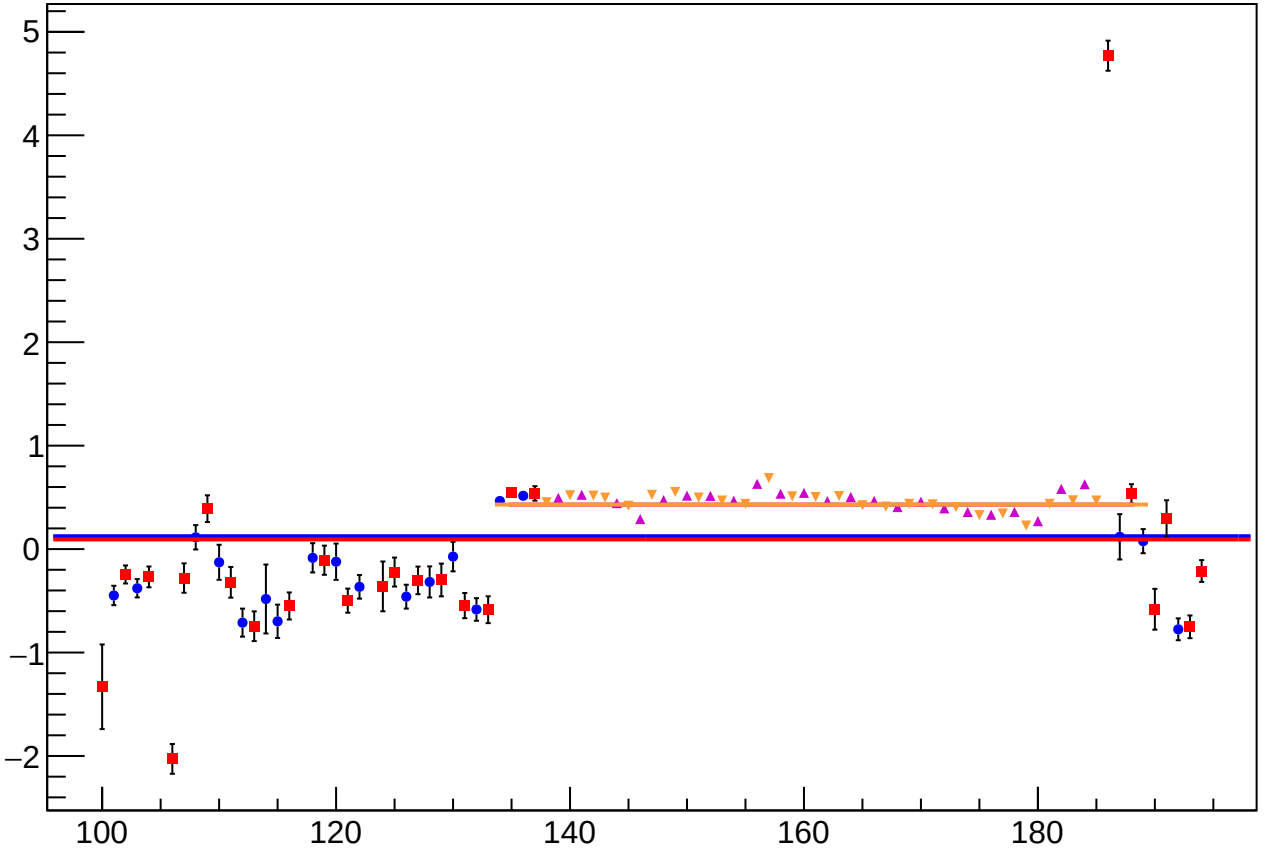
Right: -26.224+/-0.280 χ^2/NDF: 2419.0/43

In: -15.567+/-0.088 χ^2/NDF:3995.6/41

Out: -16.055+/-0.087 χ^2/NDF:4584.5/49

All: -15.814+/-0.062 χ^2/NDF: 8595.6/91

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.124+/-0.021 χ^2/NDF: 498.5/18

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.093+/-0.022 χ^2/NDF: 1727.8/24

Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

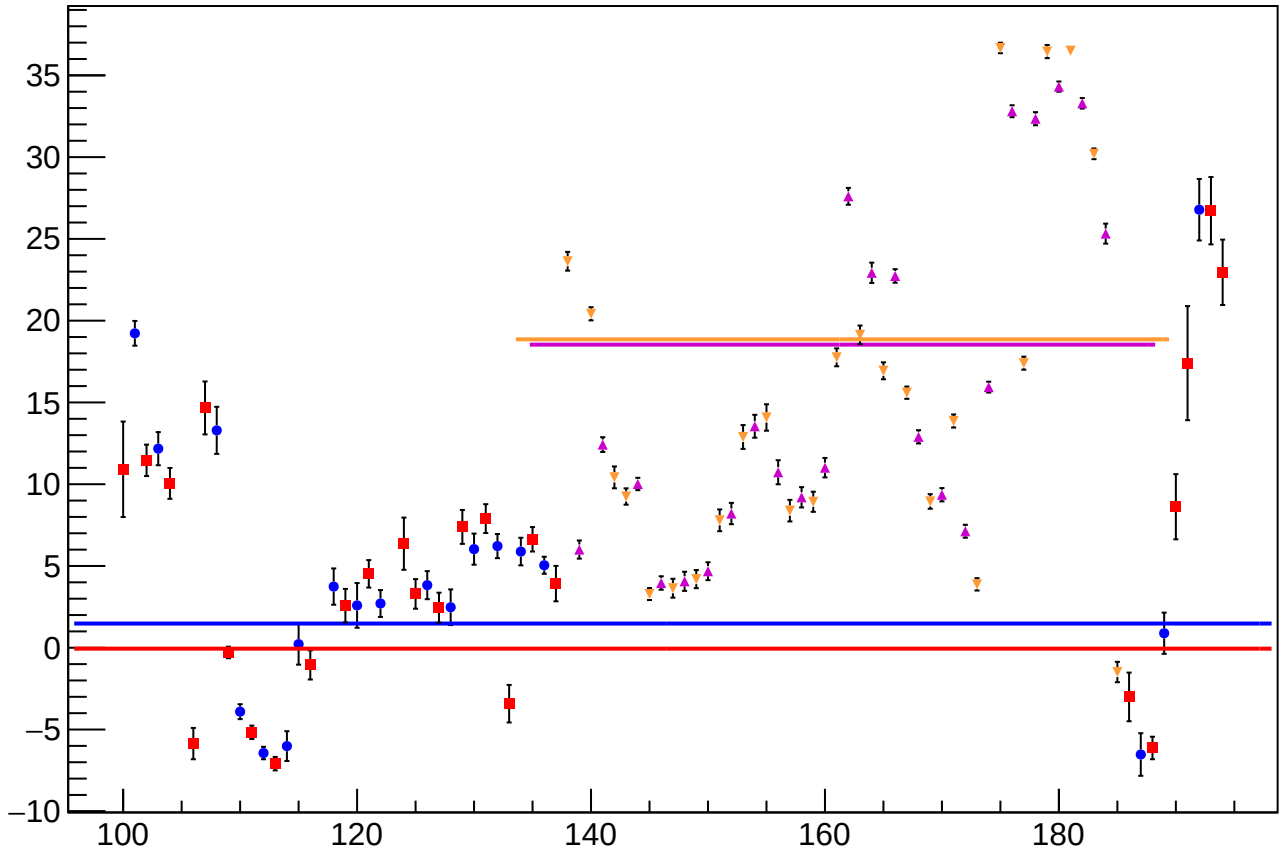
Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

Right: 0.110+/-0.015 χ^2/NDF: 2227.4/43

In: 0.419+/-0.004 χ^2/NDF:1295.2/41

Out: 0.420+/-0.004 χ^2/NDF:2374.3/49

All: 0.419+/-0.003 χ^2/NDF: 3669.6/91



Right In: 1.481+/-0.179 χ^2/NDF: 1741.3/18

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: -0.055+/-0.160 χ^2/NDF: 1574.8/24

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

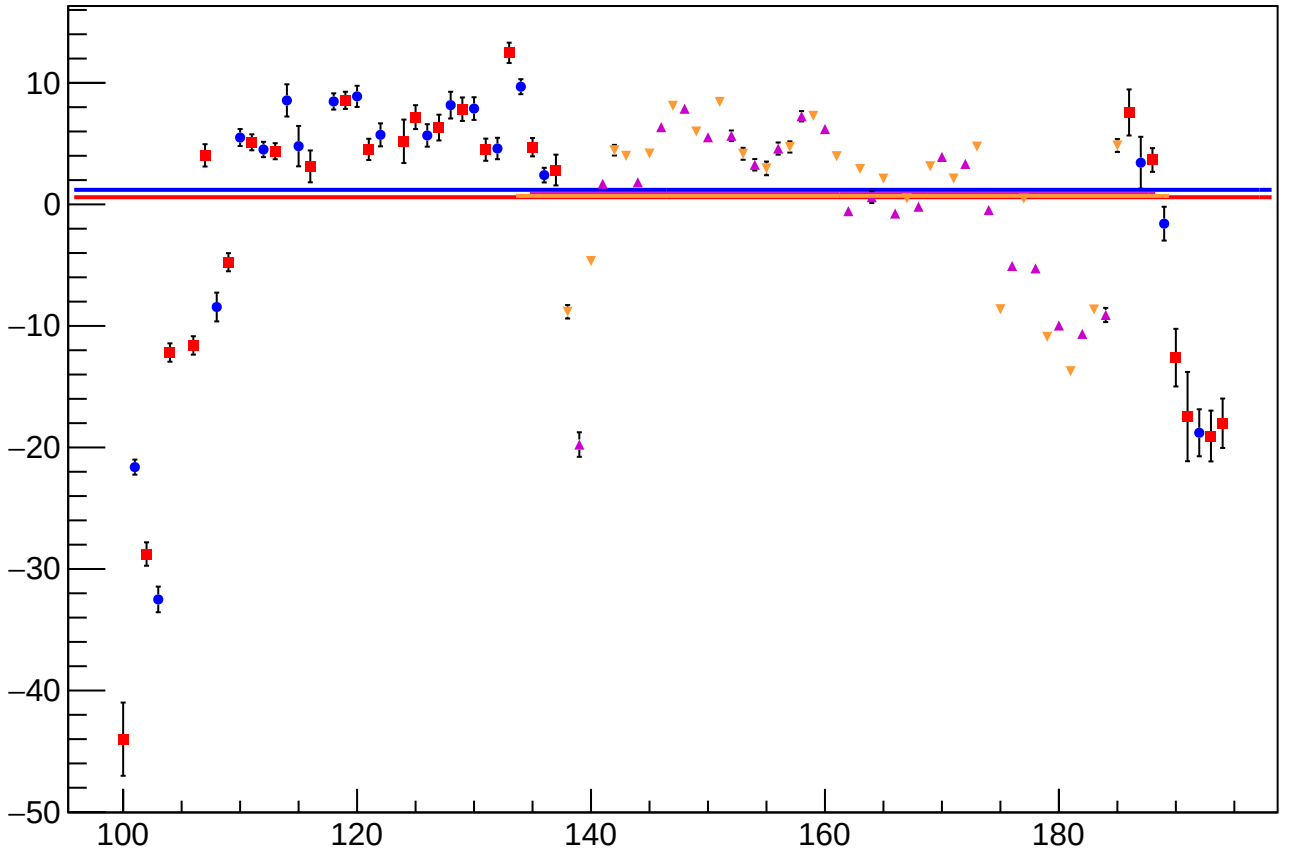
Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

Right: 0.628+/-0.119 χ^2/NDF: 3357.1/43

In: 14.885+/-0.083 χ^2/NDF:22969.2/41

Out: 14.280+/-0.079 χ^2/NDF:30541.6/49

All: 14.568+/-0.057 χ^2/NDF: 53538.8/91



Right In: 1.198+/-0.199 χ^2/NDF: 3193.9/18

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: 0.589+/-0.194 χ^2/NDF: 2629.9/24

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

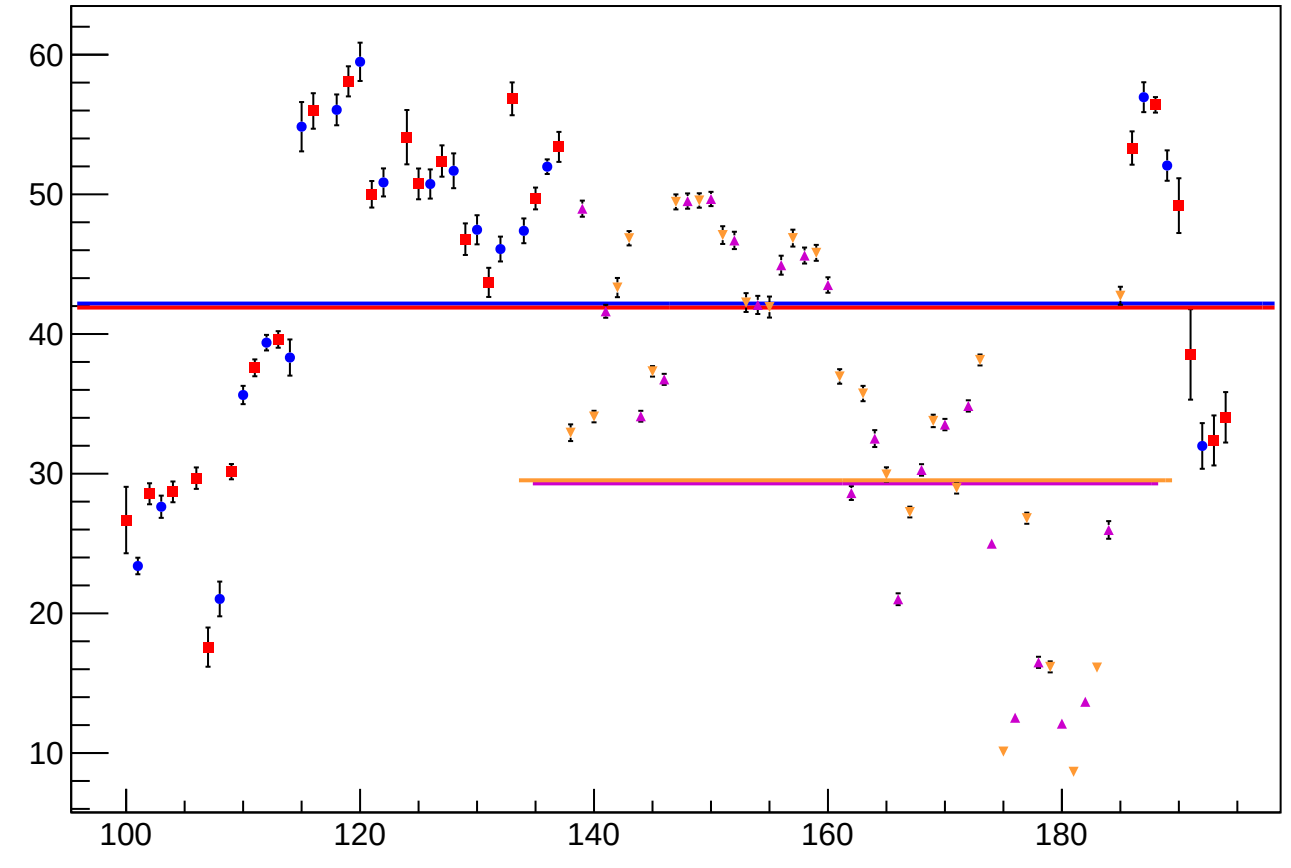
Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

Right: 0.886+/-0.139 χ^2/NDF: 5828.6/43

In: 0.888+/-0.068 χ^2/NDF:9242.0/41

Out: 0.689+/-0.066 χ^2/NDF:10868.0/49

All: 0.786+/-0.048 χ^2/NDF: 20114.4/91



Right In: 42.180+/-0.201 χ^2/NDF: 3071.4/18

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 41.894+/-0.185 χ^2/NDF: 3598.3/24

Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

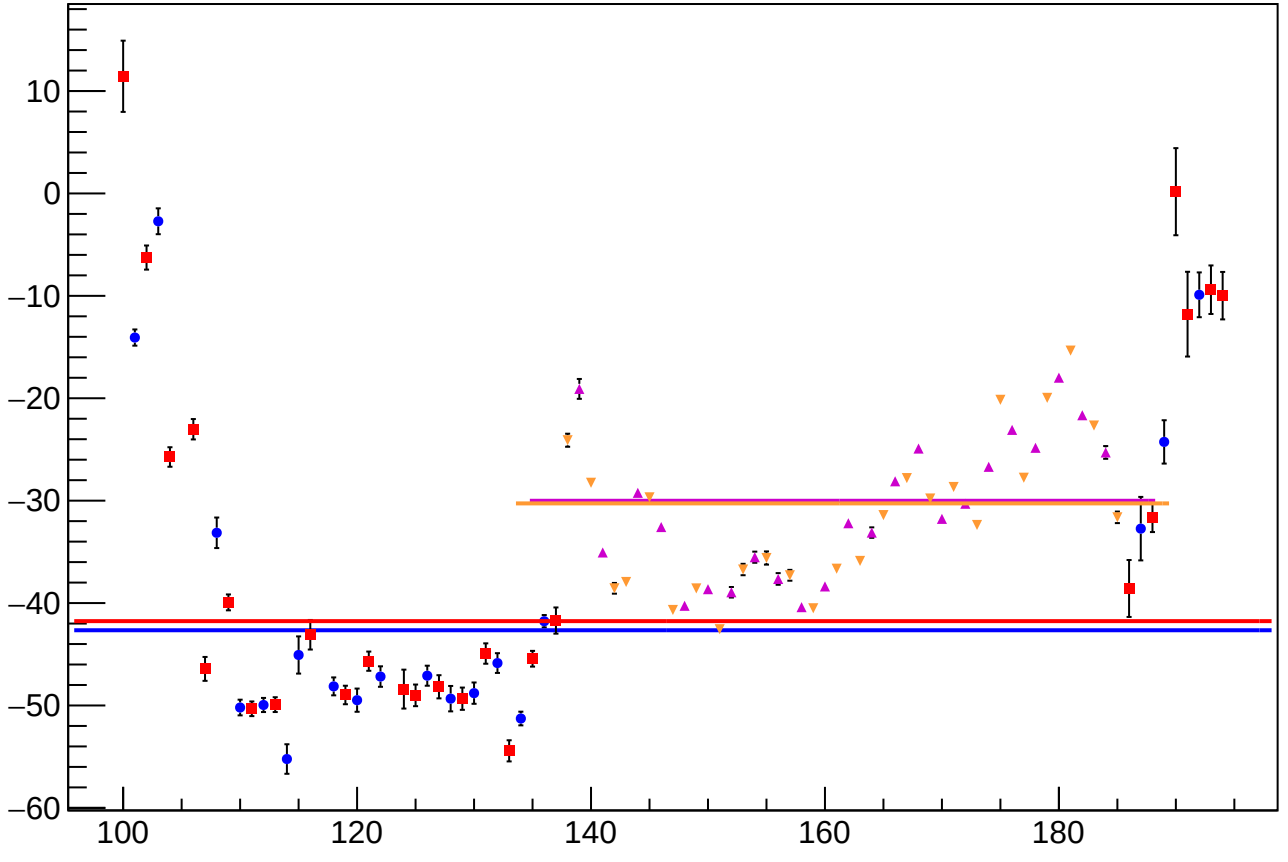
Right: 42.025+/-0.136 χ^2/NDF: 6670.8/43

In: 31.570+/-0.085 χ^2/NDF:24305.8/41

Out: 31.917+/-0.081 χ^2/NDF:28286.4/49

All: 31.751+/-0.059 χ^2/NDF: 52601.0/91

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -42.655+/-0.226 χ^2/NDF: 3302.8/18

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -41.764+/-0.223 χ^2/NDF: 3052.3/24

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

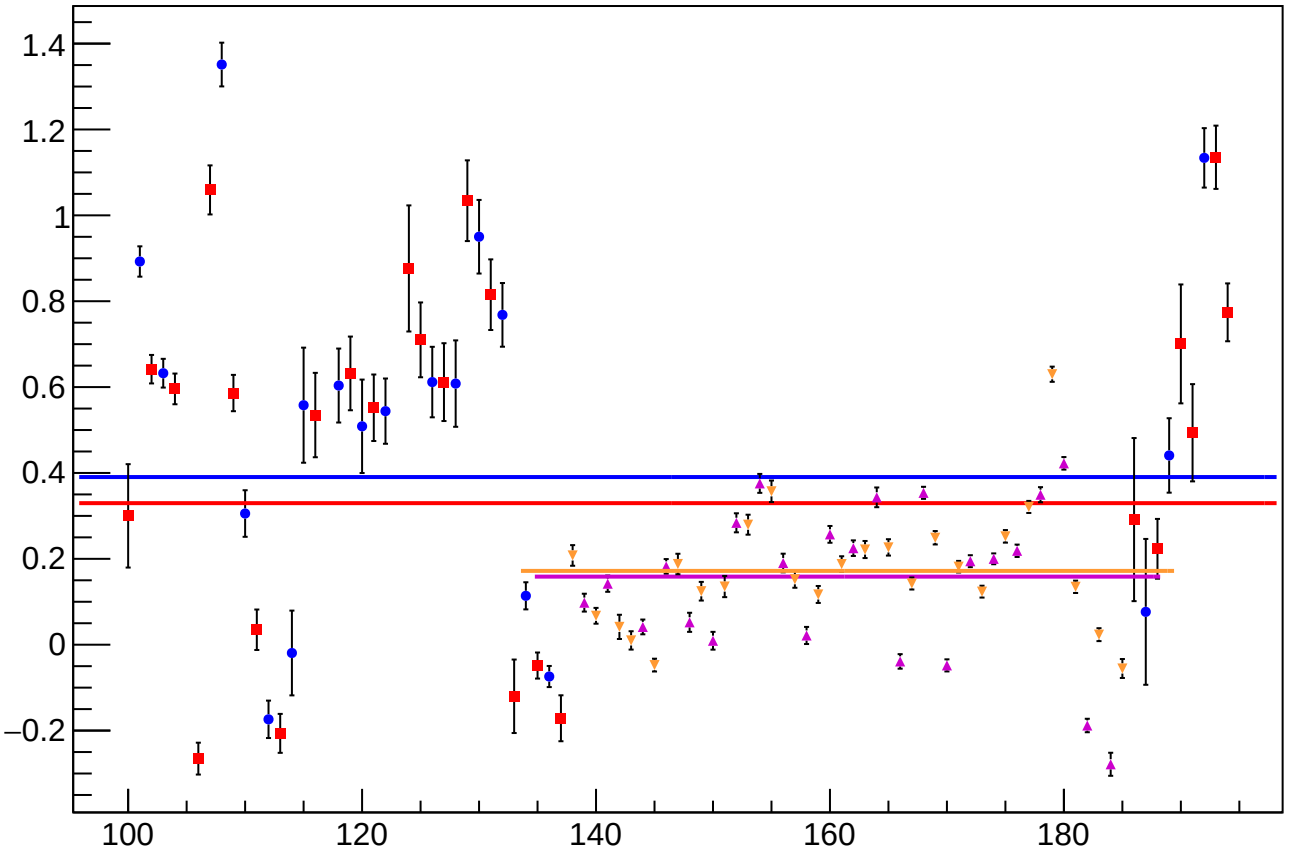
Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

Right: -42.203+/-0.159 χ^2/NDF: 6363.0/43

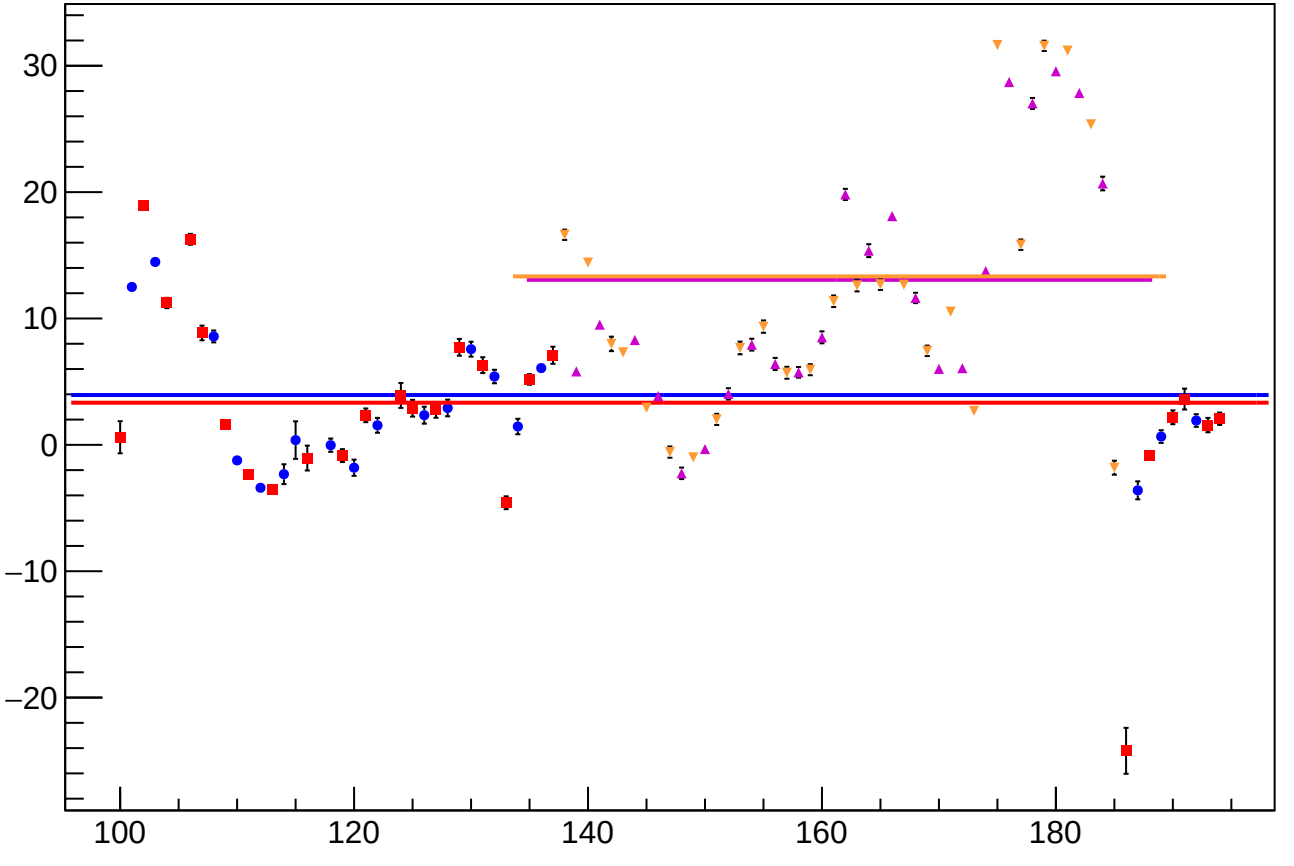
In: -31.459+/-0.077 χ^2/NDF:12153.3/41

Out: -31.560+/-0.075 χ^2/NDF:13916.4/49

All: -31.511+/-0.053 χ^2/NDF: 26070.6/91


reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
Right In: 0.390+/-0.012 χ²/NDF: 1443.3/18
Left Out: 0.172+/-0.004 χ²/NDF:1501.3/24
Right Out: 0.330+/-0.011 χ²/NDF: 1383.5/24
Left In: 0.159+/-0.004 χ²/NDF:2187.4/22
Left: 0.165+/-0.003 χ²/NDF: 3695.7/47
Right: 0.359+/-0.008 χ²/NDF: 2840.4/43
In: 0.178+/-0.003 χ²/NDF:3979.6/41
Out: 0.186+/-0.003 χ²/NDF:3057.3/49
All: 0.182+/-0.002 χ²/NDF: 7039.2/91

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 3.944+/-0.110 χ^2/NDF: 2810.4/18

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 3.336+/-0.095 χ^2/NDF: 4804.8/24

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

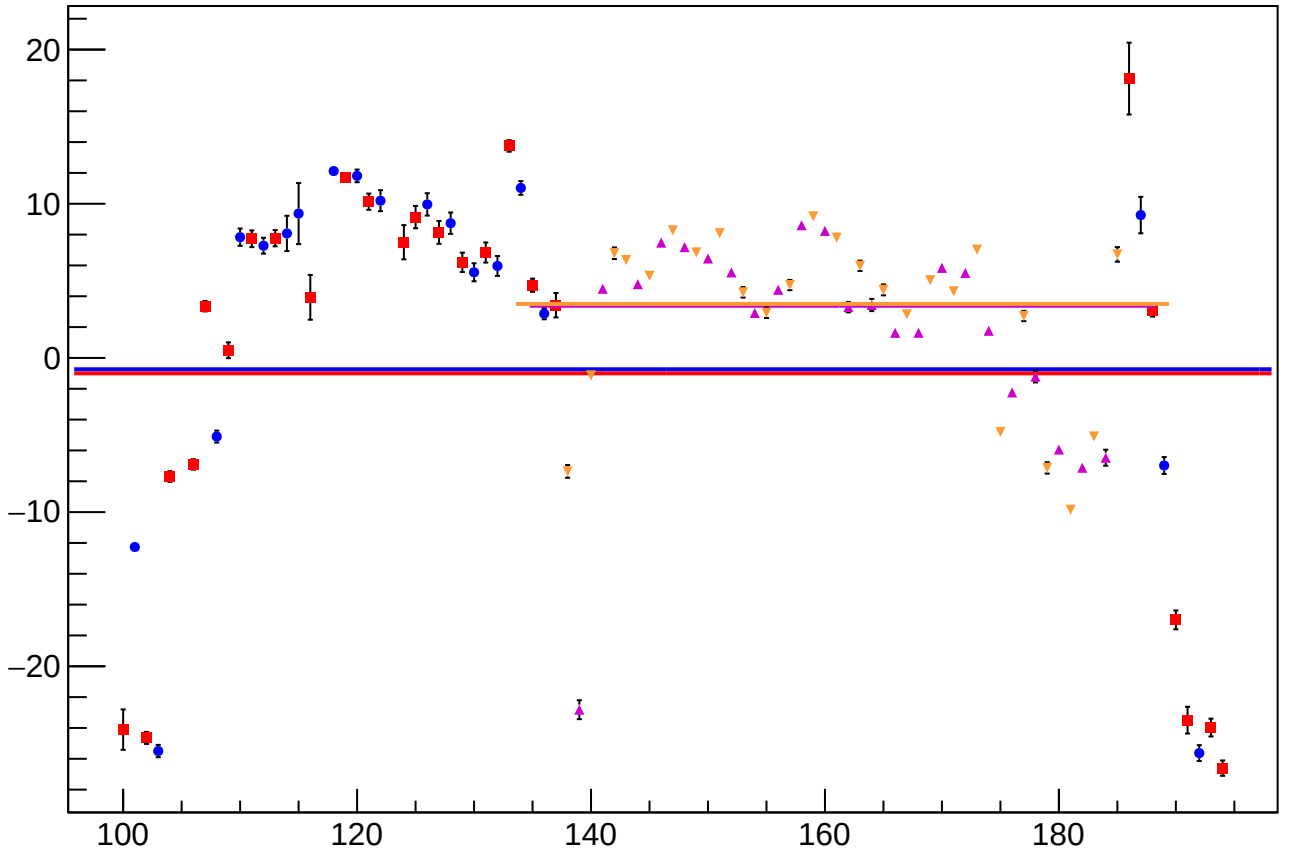
Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

Right: 3.596+/-0.072 χ^2/NDF: 7632.7/43

In: 9.933+/-0.064 χ^2/NDF:22902.7/41

Out: 9.370+/-0.060 χ^2/NDF:30954.4/49

All: 9.630+/-0.044 χ^2/NDF: 53898.4/91



Right In: -0.736+/-0.110 χ^2/NDF: 13162.7/18

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -1.000+/-0.100 χ^2/NDF: 15581.2/24

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

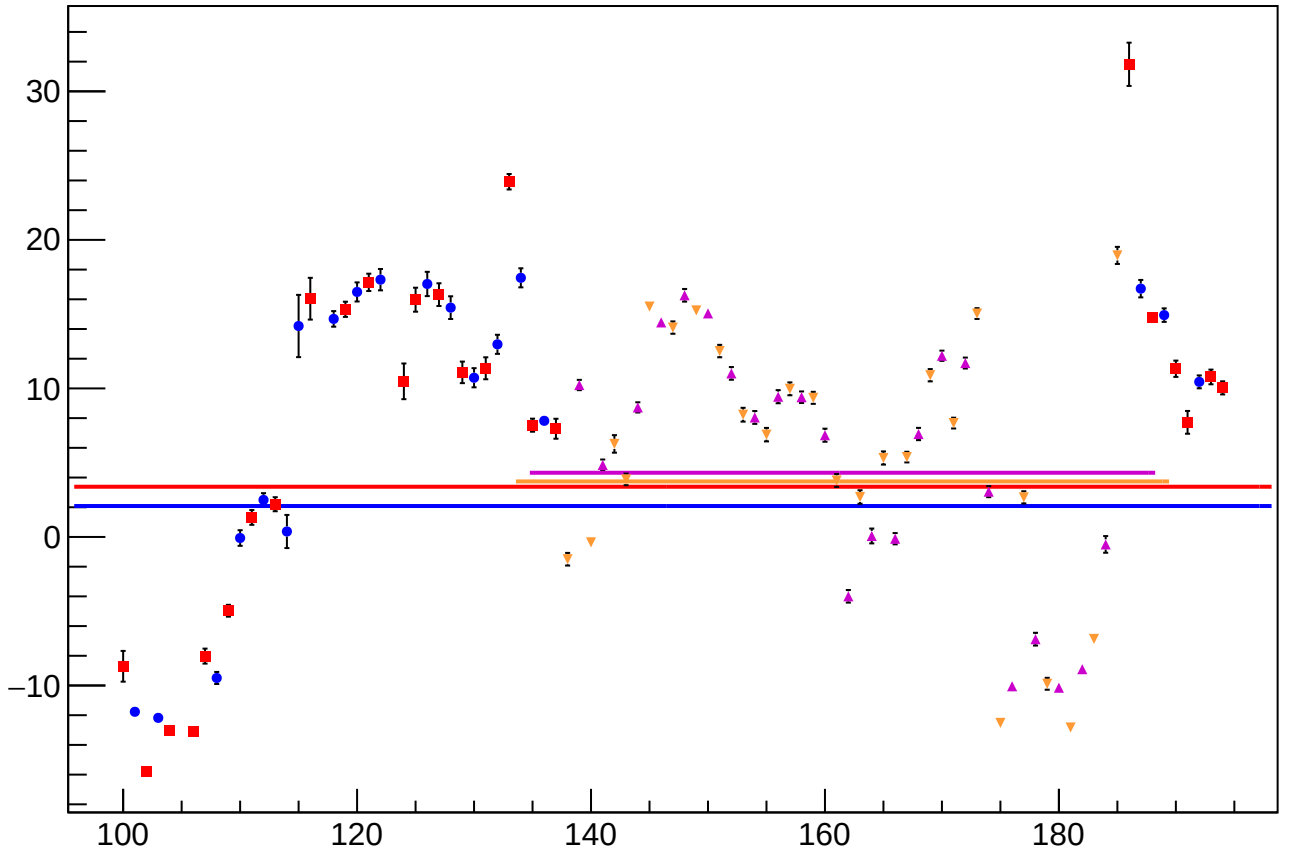
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: -0.880+/-0.074 χ^2/NDF: 28747.1/43

In: 2.420+/-0.053 χ^2/NDF:20939.6/41

Out: 2.359+/-0.051 χ^2/NDF:24994.1/49

All: 2.387+/-0.037 χ^2/NDF: 45934.4/91



Right In: 2.082+/-0.110 χ^2/NDF: 11379.4/18

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 3.381+/-0.094 χ^2/NDF: 17957.7/24

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

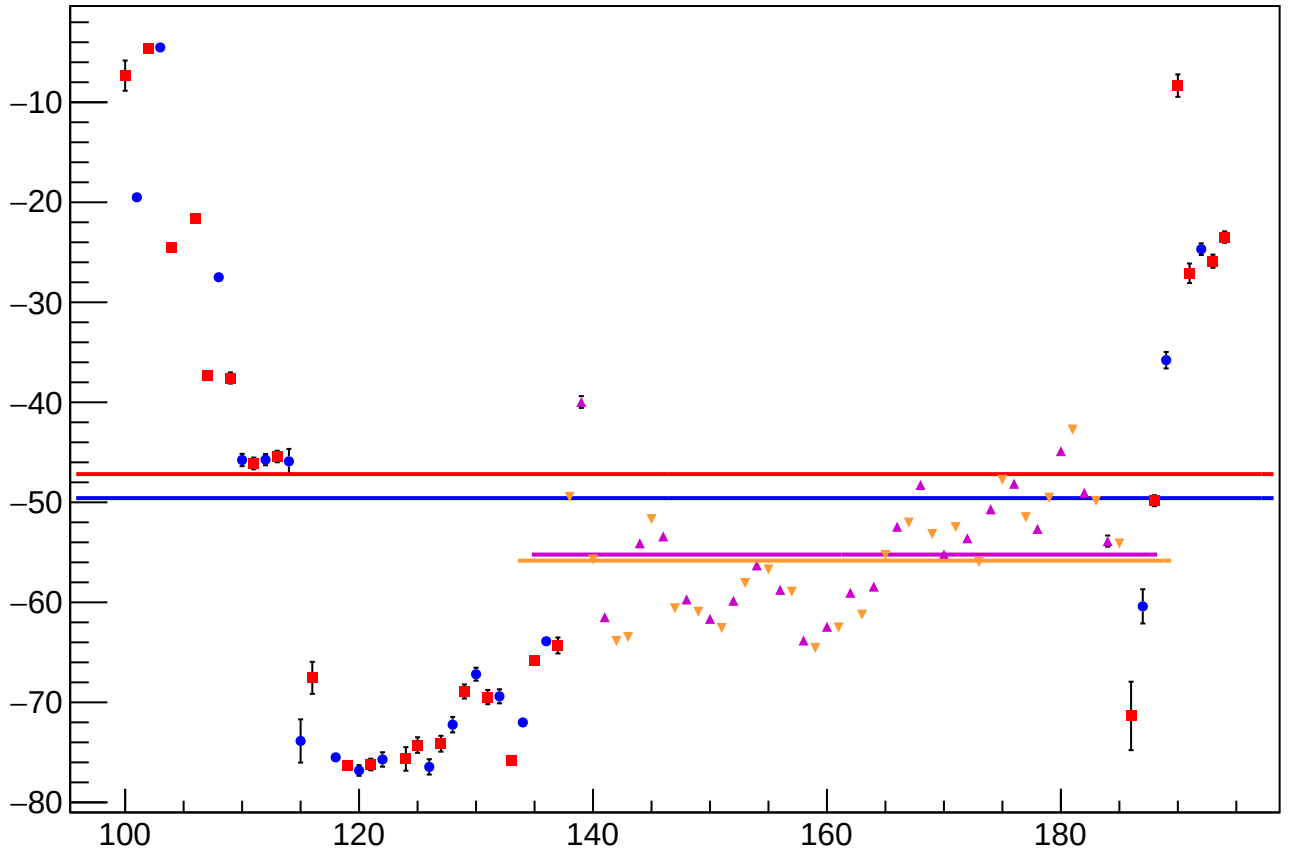
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

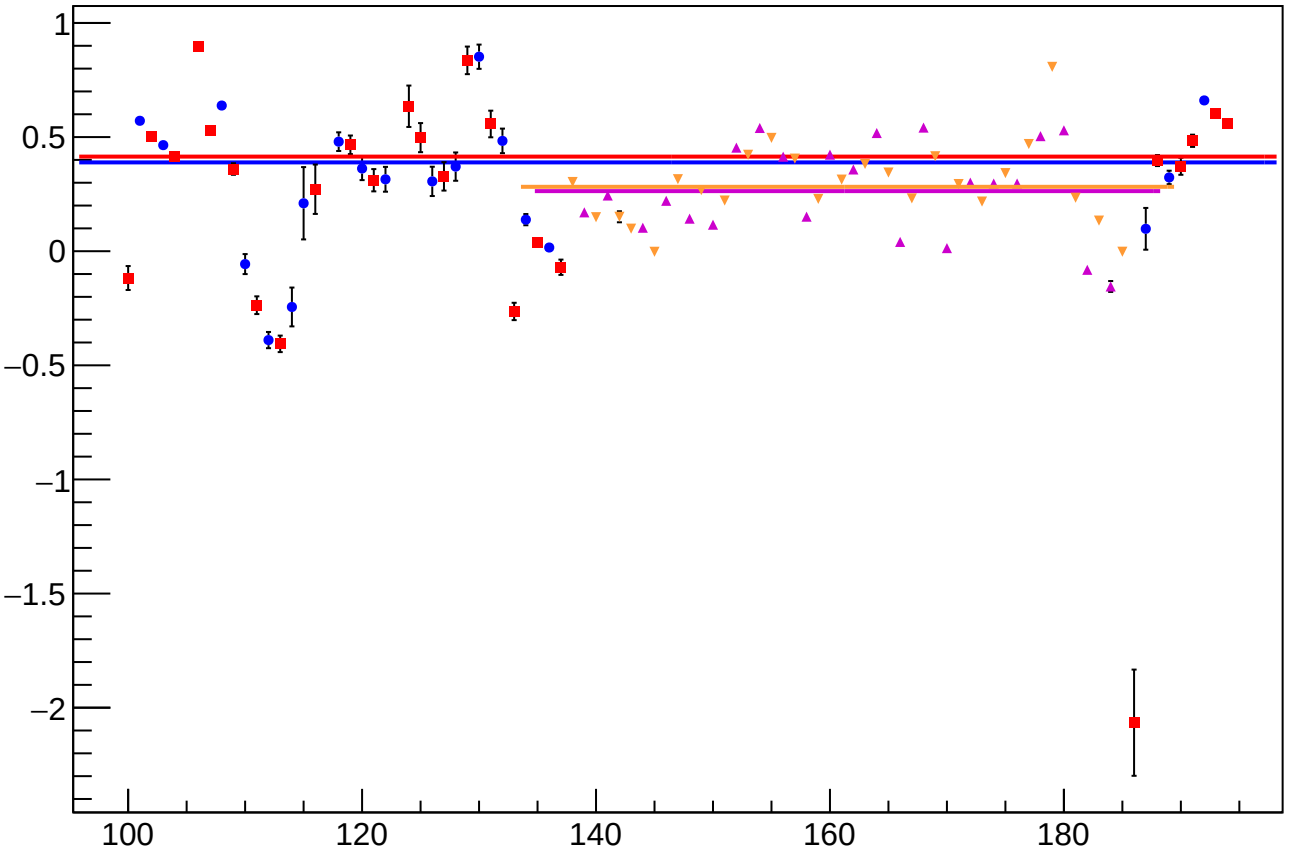
Right: 2.830+/-0.071 χ^2/NDF: 29417.9/43

In: 3.562+/-0.064 χ^2/NDF:24138.6/41

Out: 3.596+/-0.059 χ^2/NDF:33553.1/49

All: 3.580+/-0.043 χ^2/NDF: 57691.8/91


reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
−10
−20
−30
−40
−50
−60
−70
−80
100
120
140
160
180
Right In: -49.580+/-0.130 χ²/NDF: 36072.7/18
Left Out: -55.832+/-0.066 χ²/NDF:7592.5/24
Right Out: -47.178+/-0.120 χ²/NDF: 38850.4/24
Left In: -55.222+/-0.069 χ²/NDF:6343.0/22
Left: -55.538+/-0.048 χ²/NDF: 13976.2/47
Right: -48.284+/-0.088 χ²/NDF: 75107.0/43
In: -53.993+/-0.061 χ²/NDF:43885.1/41
Out: -53.810+/-0.058 χ²/NDF:50417.4/49
All: -53.897+/-0.042 χ²/NDF: 94307.3/91



Right In: 0.389+/-0.006 χ^2/NDF: 2113.4/18

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.414+/-0.005 χ^2/NDF: 3114.6/24

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

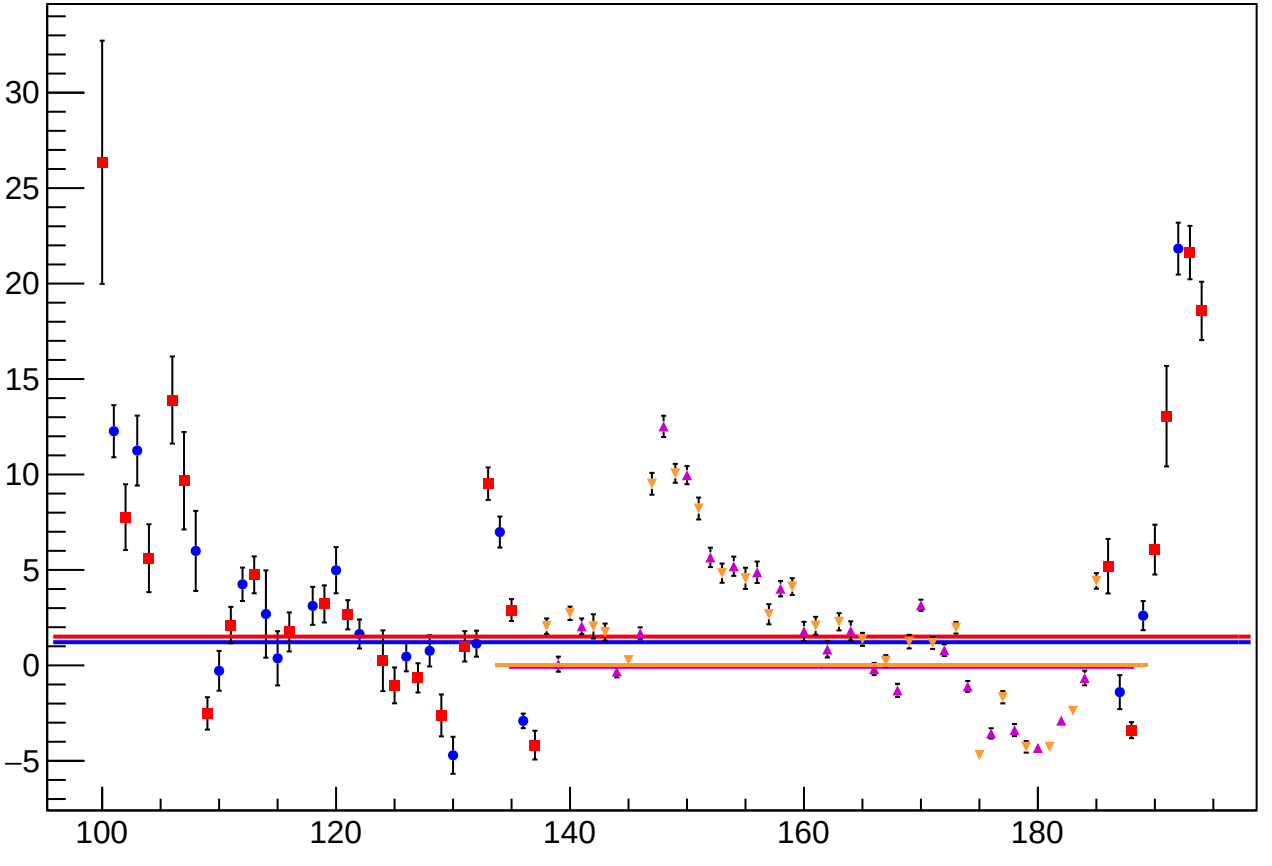
Right: 0.403+/-0.004 χ^2/NDF: 5238.4/43

In: 0.290+/-0.003 χ^2/NDF:6310.8/41

Out: 0.315+/-0.003 χ^2/NDF:6311.7/49

All: 0.303+/-0.002 χ^2/NDF: 12667.2/91

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.214+/-0.197 χ^2/NDF: 577.0/18

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 1.508+/-0.189 χ^2/NDF: 800.5/24

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

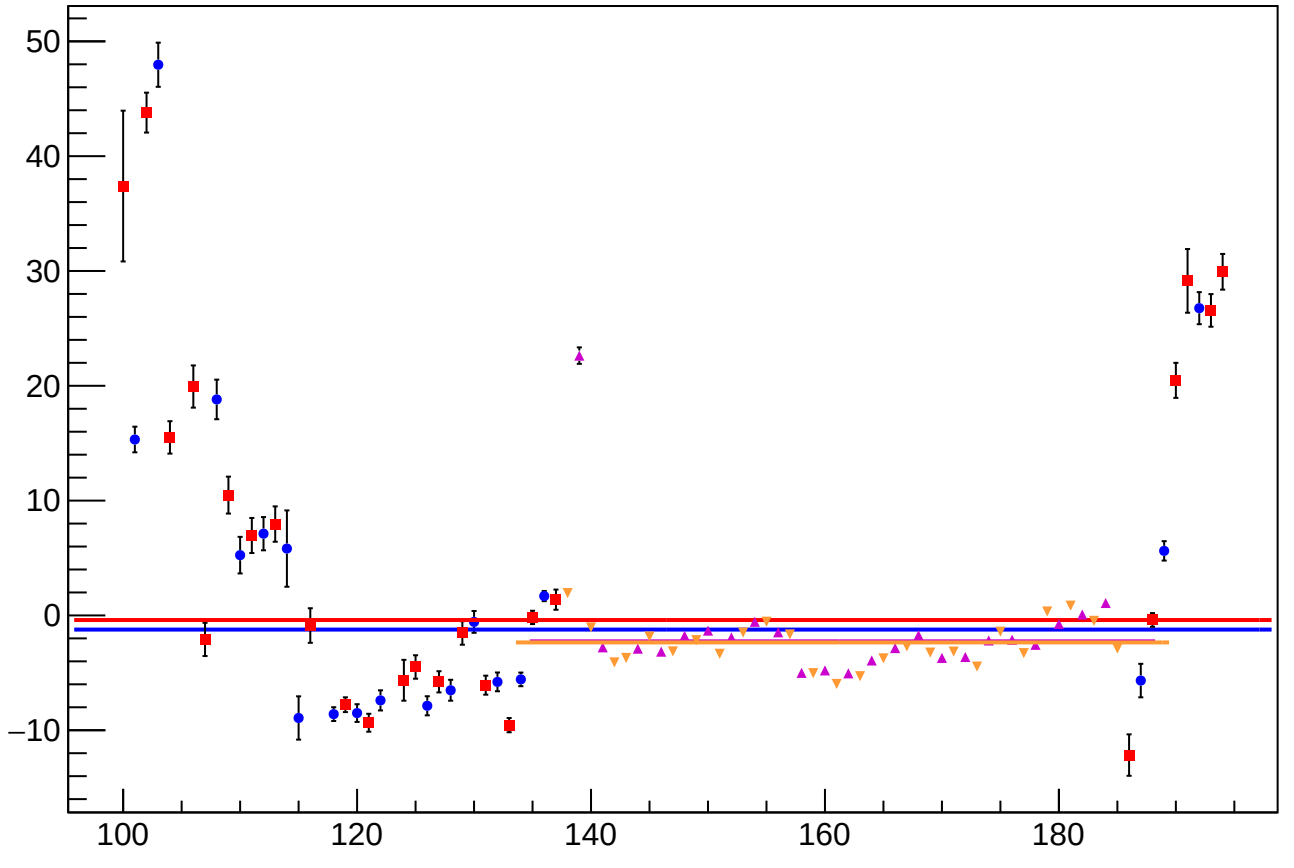
Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

Right: 1.367+/-0.137 χ^2/NDF: 1378.6/43

In: 0.068+/-0.067 χ^2/NDF:3079.7/41

Out: 0.194+/-0.064 χ^2/NDF:3614.4/49

All: 0.133+/-0.046 χ^2/NDF: 6696.0/91



Right In: -1.233+/-0.204 χ^2/NDF: 2071.0/18

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: -0.401+/-0.206 χ^2/NDF: 2704.3/24

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

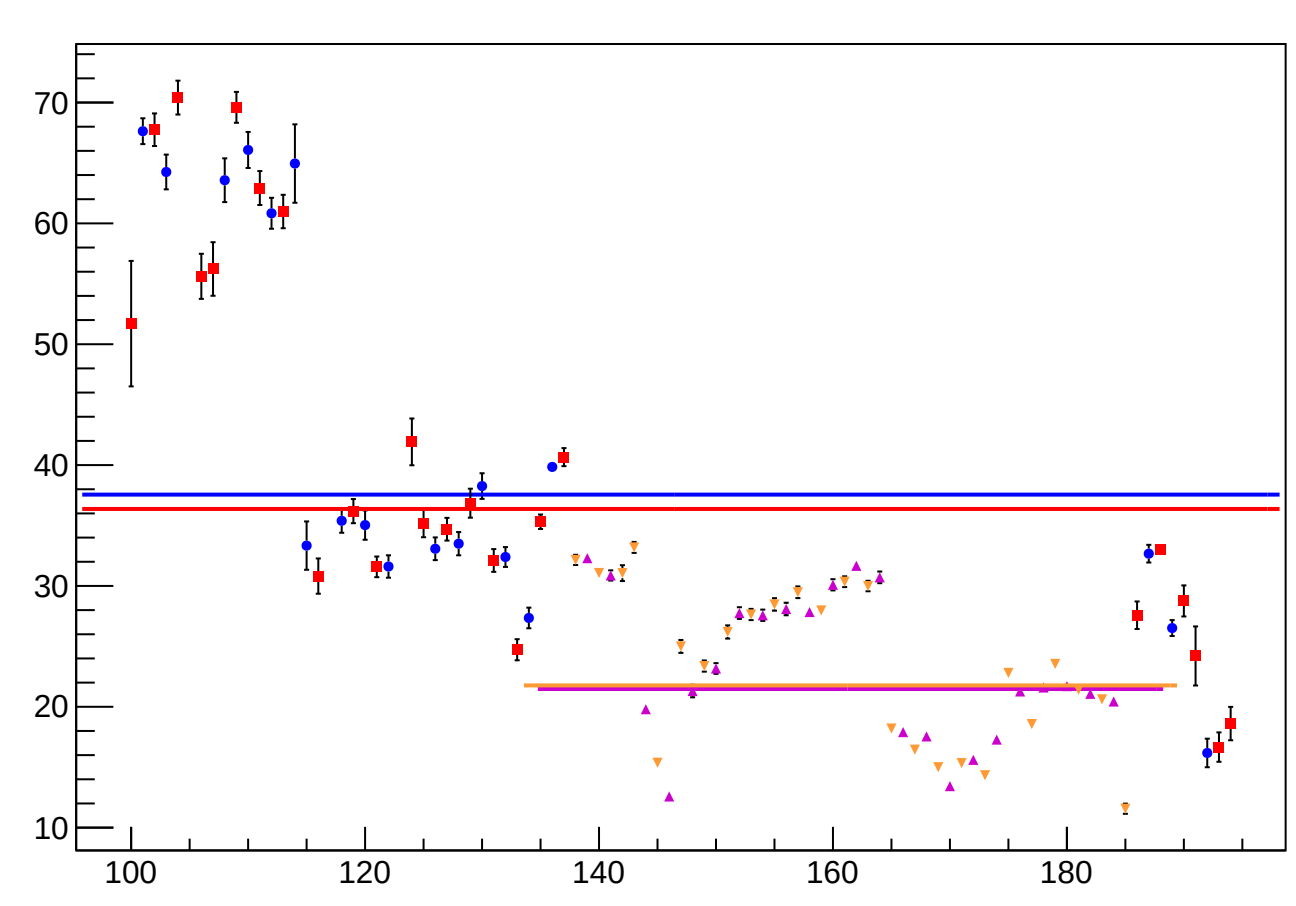
Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

Right: -0.820+/-0.145 χ^2/NDF: 4783.6/43

In: -2.184+/-0.054 χ^2/NDF:3971.5/41

Out: -2.221+/-0.053 χ^2/NDF:3914.1/49

All: -2.203+/-0.038 χ^2/NDF: 7885.8/91



Right In: 37.557+/-0.206 χ^2/NDF: 3078.2/18

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 36.370+/-0.191 χ^2/NDF: 3616.6/24

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

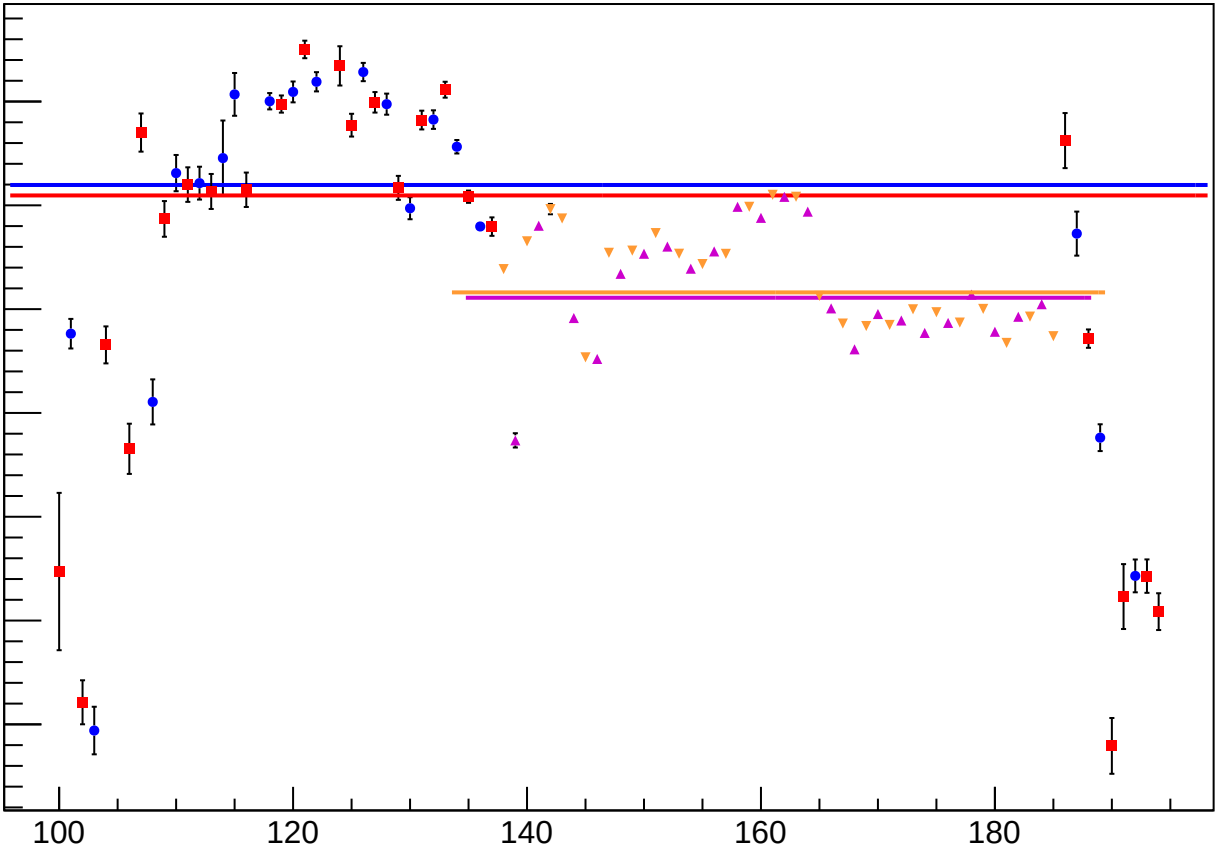
Right: 36.919+/-0.140 χ^2/NDF: 6712.7/43

In: 23.163+/-0.067 χ^2/NDF:14321.2/41

Out: 23.448+/-0.065 χ^2/NDF:15604.0/49

All: 23.310+/-0.047 χ^2/NDF: 29934.6/91

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 51.961+/-0.231 χ^2/NDF: 2344.5/18

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 50.953+/-0.238 χ^2/NDF: 3361.0/24

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

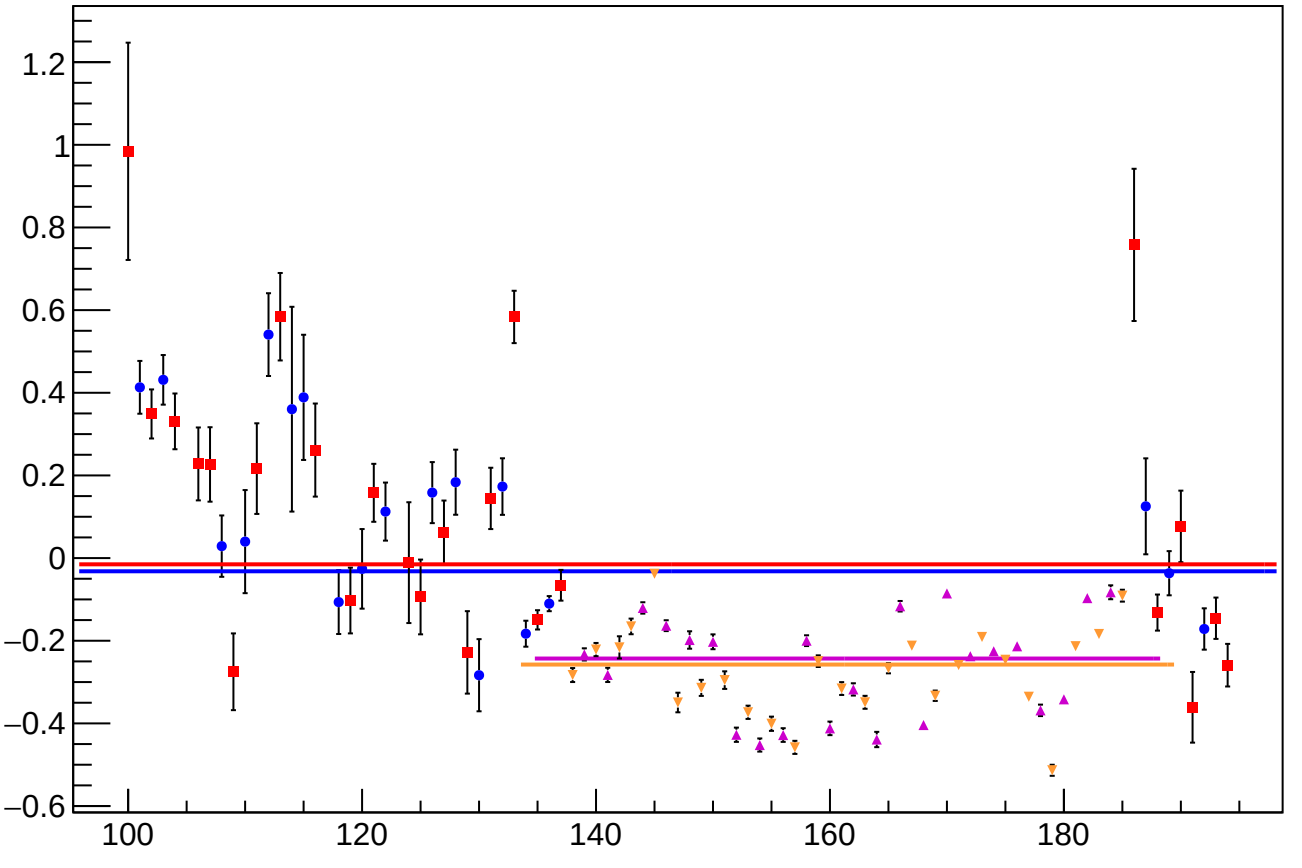
Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

Right: 51.472+/-0.166 χ^2/NDF: 5714.7/43

In: 41.842+/-0.060 χ^2/NDF:9881.0/41

Out: 42.192+/-0.059 χ^2/NDF:10577.6/49

All: 42.020+/-0.042 χ^2/NDF: 20475.7/91



Right In: -0.032+/-0.012 χ^2/NDF: 239.7/18

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: -0.015+/-0.012 χ^2/NDF: 357.5/24

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

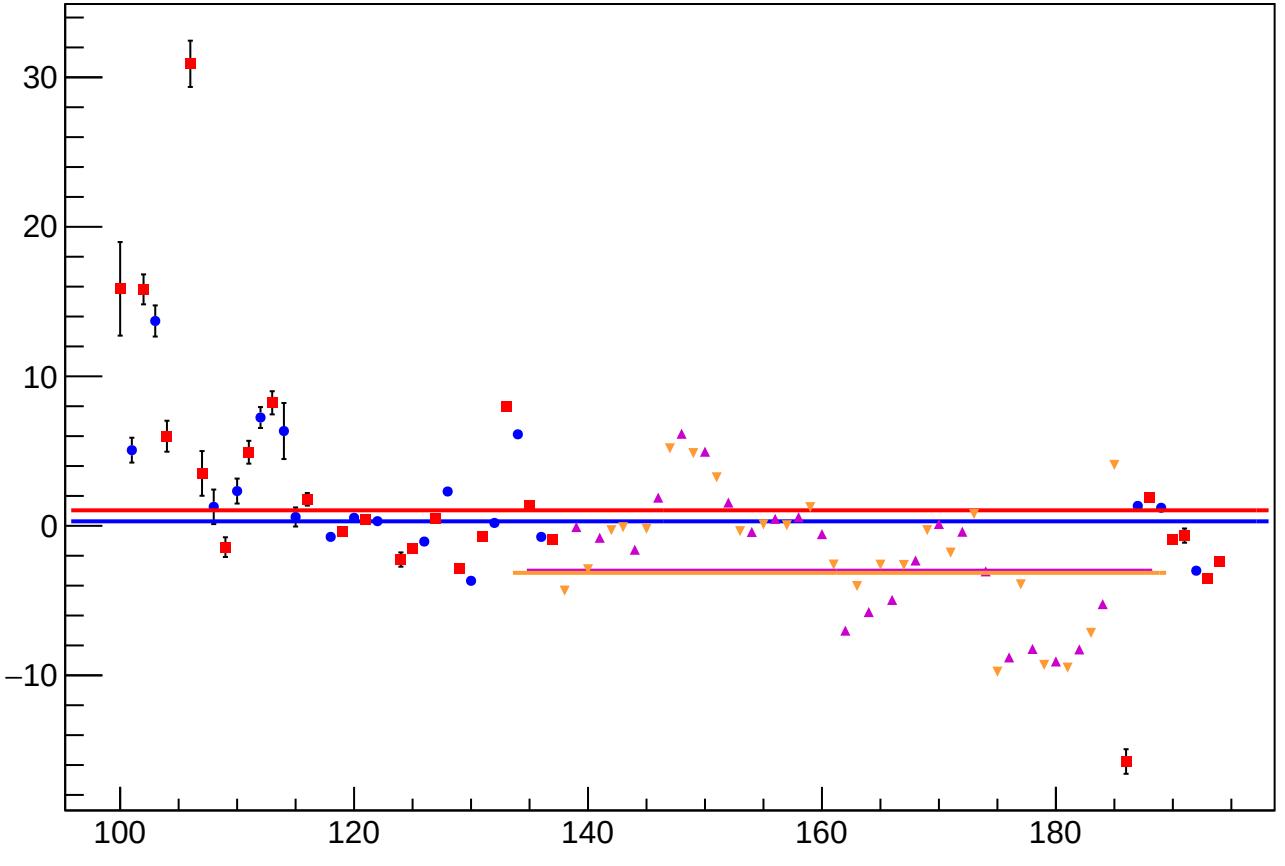
Right: -0.024+/-0.009 χ^2/NDF: 598.1/43

In: -0.232+/-0.003 χ^2/NDF:2344.5/41

Out: -0.246+/-0.003 χ^2/NDF:2238.8/49

All: -0.240+/-0.002 χ^2/NDF: 4597.1/91

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.301+/-0.069 χ^2/NDF: 1263.3/18

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 1.038+/-0.061 χ^2/NDF: 3327.0/24

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

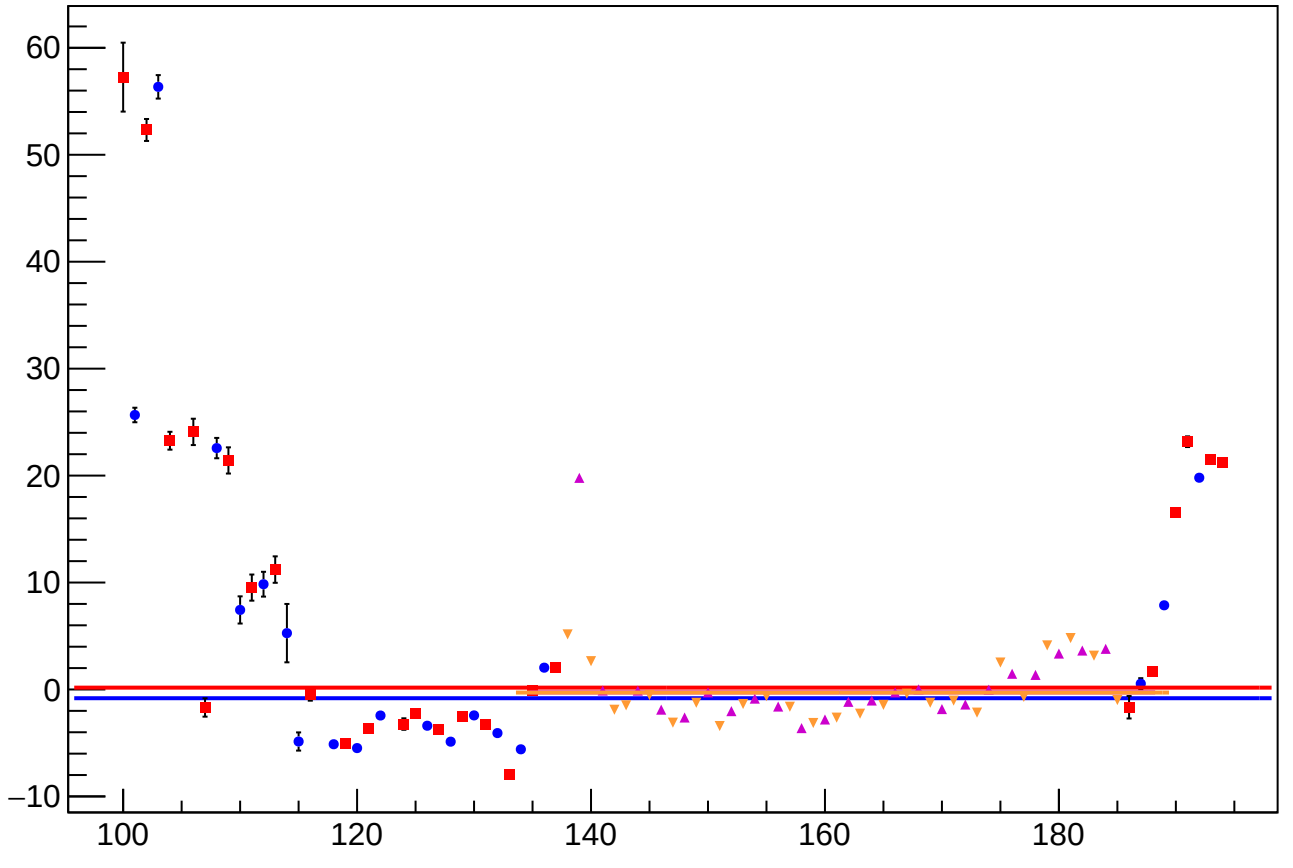
Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

Right: 0.718+/-0.046 χ^2/NDF: 4654.1/43

In: -2.523+/-0.026 χ^2/NDF:25630.2/41

Out: -2.423+/-0.025 χ^2/NDF:32607.0/49

All: -2.471+/-0.018 χ^2/NDF: 58244.5/91



Right In: -0.817+/-0.066 χ^2/NDF: 14024.3/18

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 0.172+/-0.061 χ^2/NDF: 23931.0/24

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

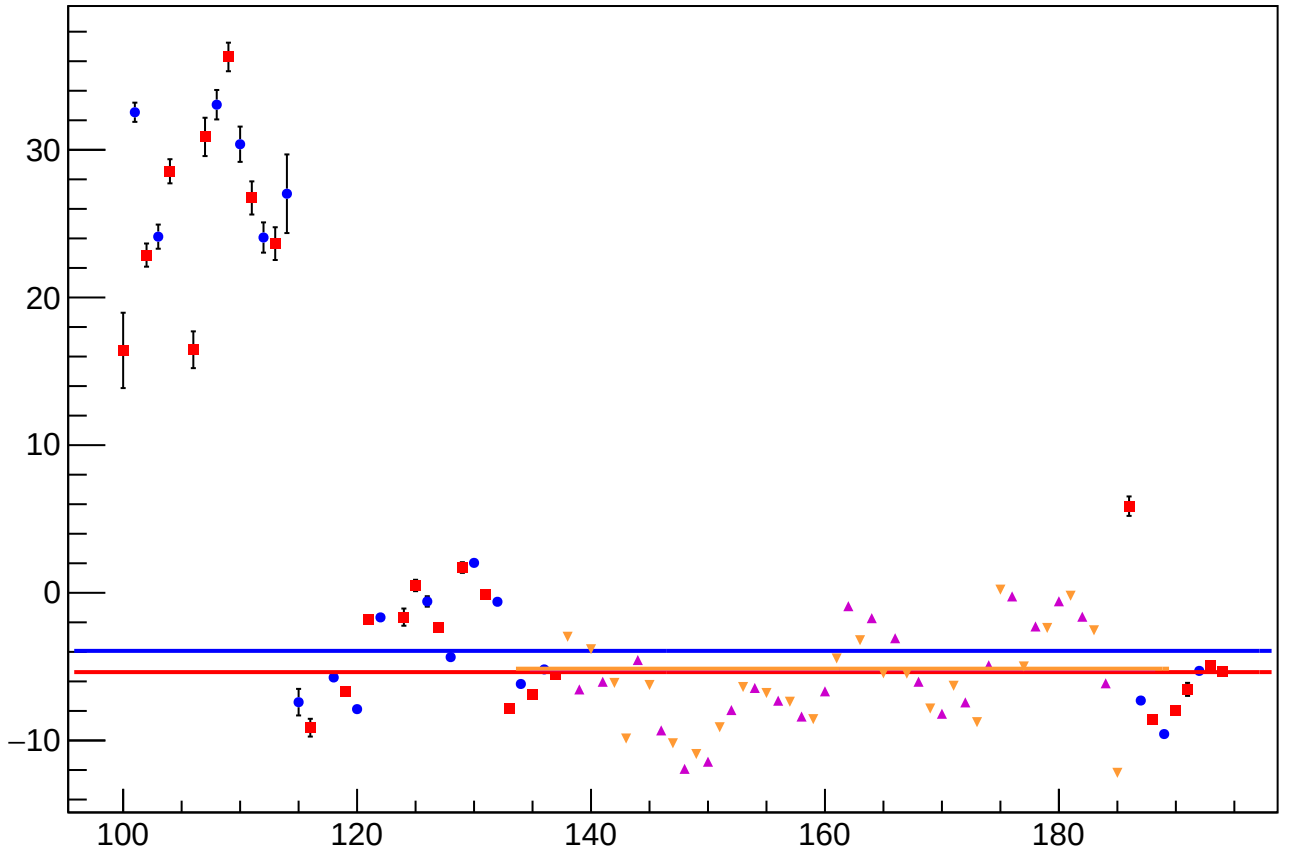
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

Right: -0.286+/-0.045 χ^2/NDF: 38076.1/43

In: -0.327+/-0.021 χ^2/NDF:27306.6/41

Out: -0.236+/-0.021 χ^2/NDF:36179.3/49

All: -0.280+/-0.015 χ^2/NDF: 63495.4/91



Right In: -3.932+/-0.071 χ^2/NDF: 9310.5/18

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.370+/-0.059 χ^2/NDF: 10460.3/24

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

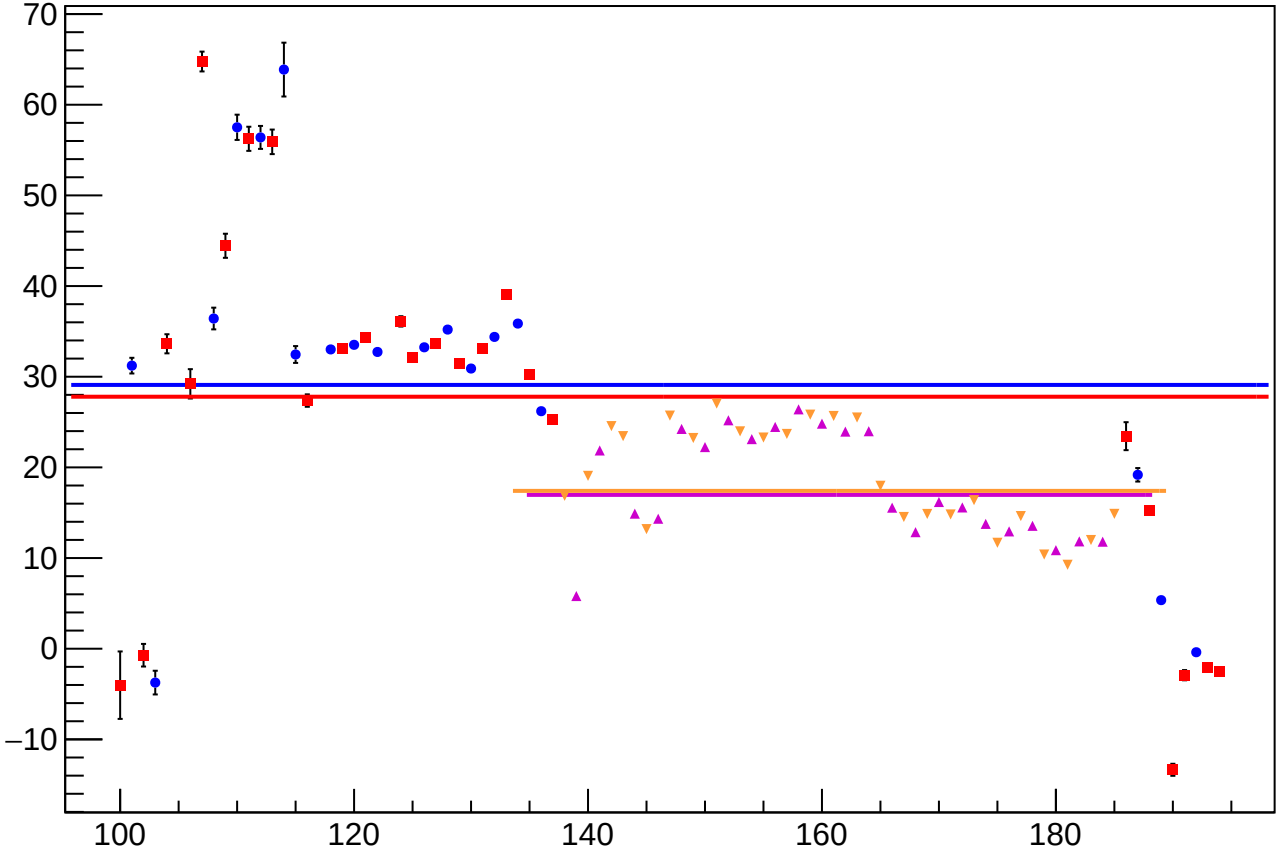
Right: -4.785+/-0.045 χ^2/NDF: 20014.5/43

In: -5.005+/-0.026 χ^2/NDF:23539.6/41

Out: -5.180+/-0.025 χ^2/NDF:25099.1/49

All: -5.097+/-0.018 χ^2/NDF: 48661.8/91

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 29.095+/-0.077 χ^2/NDF: 16495.3/18

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 27.794+/-0.073 χ^2/NDF: 34649.7/24

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

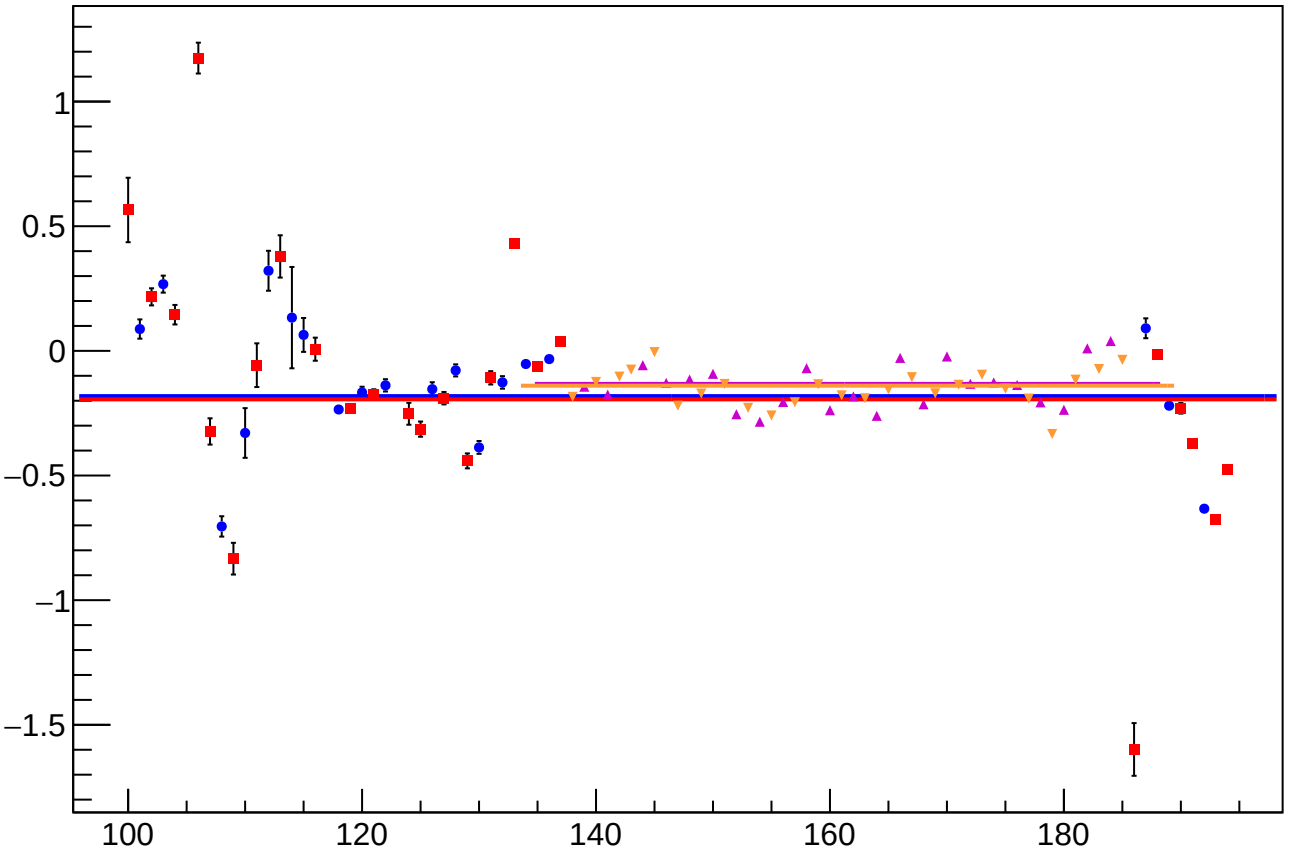
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 28.409+/-0.053 χ^2/NDF: 51295.9/43

In: 18.126+/-0.024 χ^2/NDF:78899.9/41

Out: 18.462+/-0.023 χ^2/NDF:103576.3/49

All: 18.298+/-0.017 χ^2/NDF: 182578.7/91



Right In: -0.181+/-0.004 χ^2/NDF: 3100.6/18

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.195+/-0.004 χ^2/NDF: 6635.3/24

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

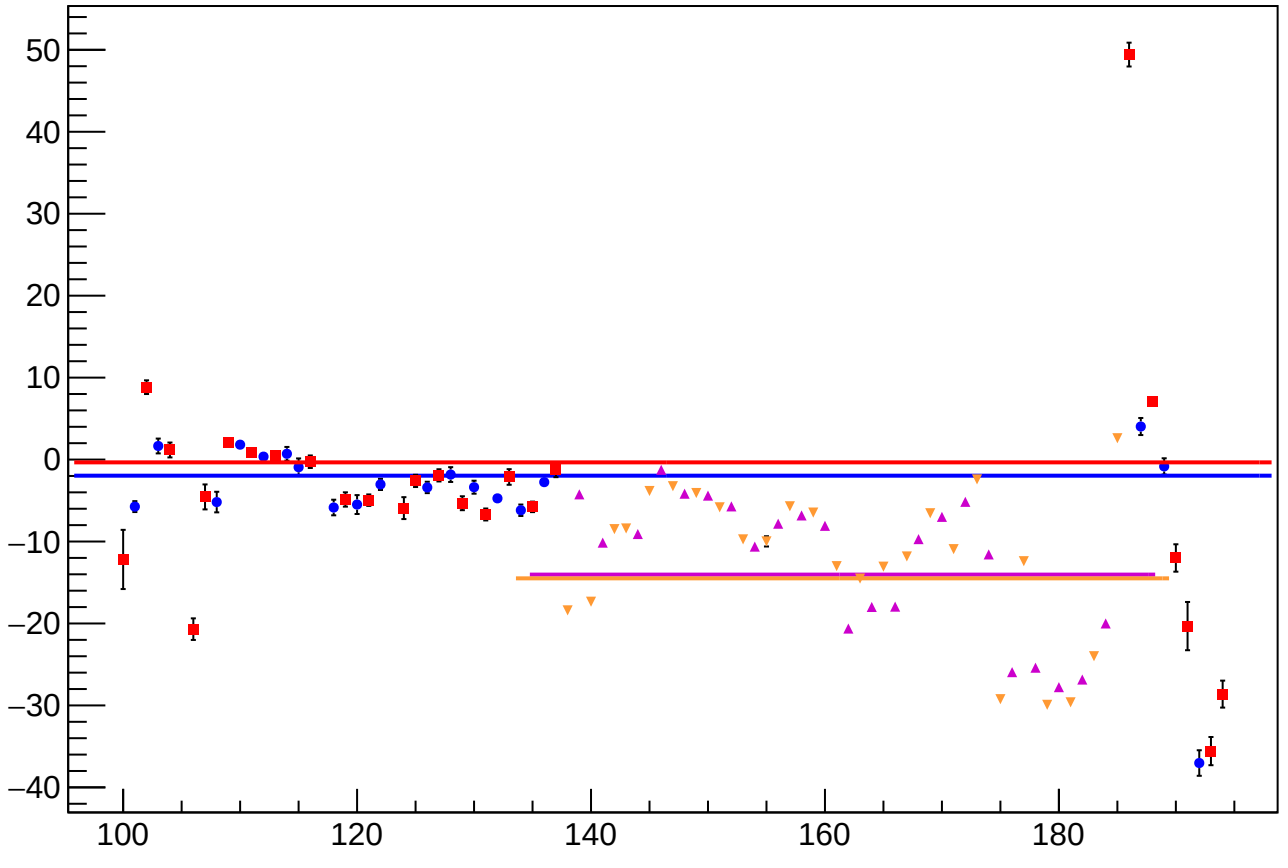
Left: -0.136+/-0.001 χ^2/NDF: 9659.1/47

Right: -0.189+/-0.003 χ^2/NDF: 9741.3/43

In: -0.136+/-0.001 χ^2/NDF:8758.6/41

Out: -0.144+/-0.001 χ^2/NDF:10939.2/49

All: -0.140+/-0.001 χ^2/NDF: 19727.5/91



Right In: -1.966+/-0.153 χ^2/NDF: 839.4/18

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -0.341+/-0.141 χ^2/NDF: 2919.4/24

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

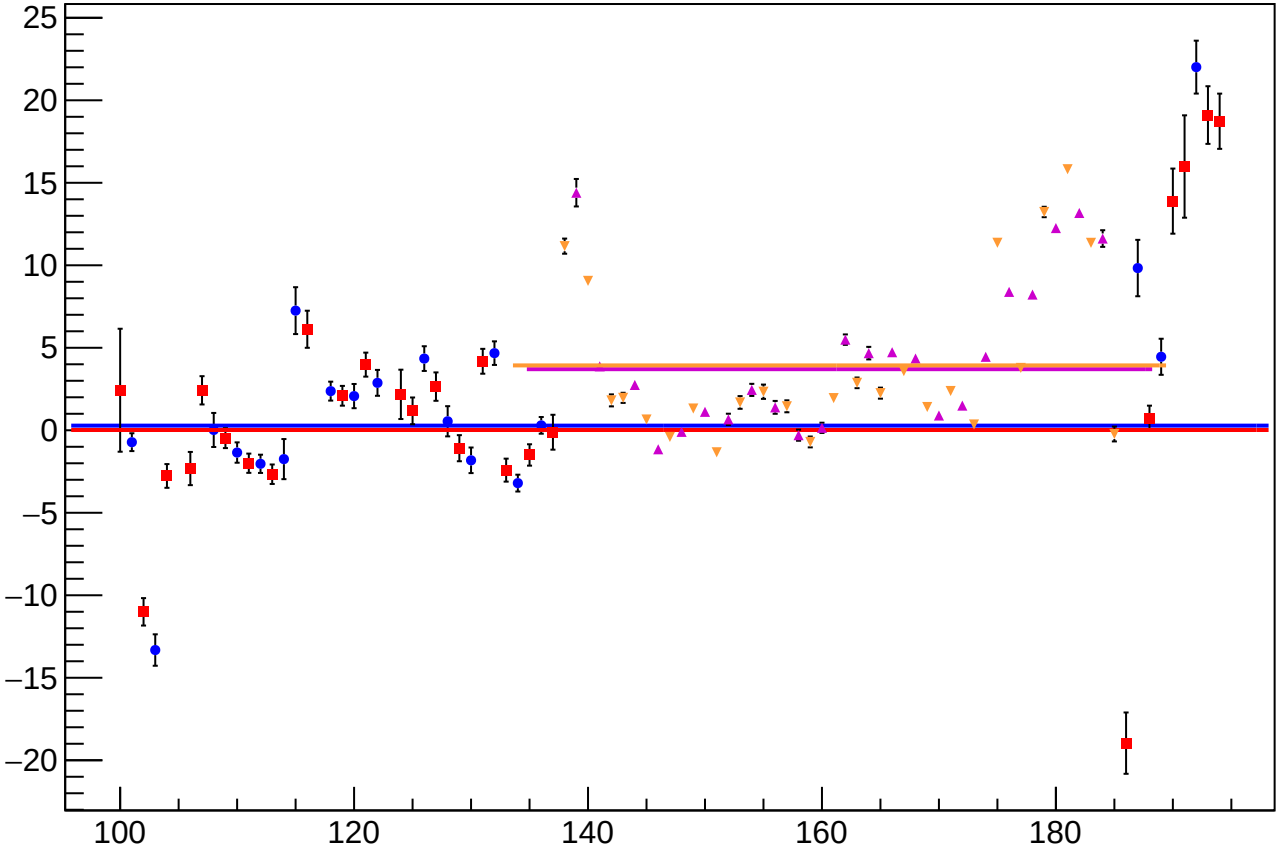
Right: -1.086+/-0.103 χ^2/NDF: 3820.1/43

In: -11.601+/-0.069 χ^2/NDF:19307.1/41

Out: -11.371+/-0.066 χ^2/NDF:28059.9/49

All: -11.482+/-0.048 χ^2/NDF: 47372.9/91

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.282+/-0.169 χ^2/NDF: 639.5/18

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 0.017+/-0.169 χ^2/NDF: 798.0/24

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

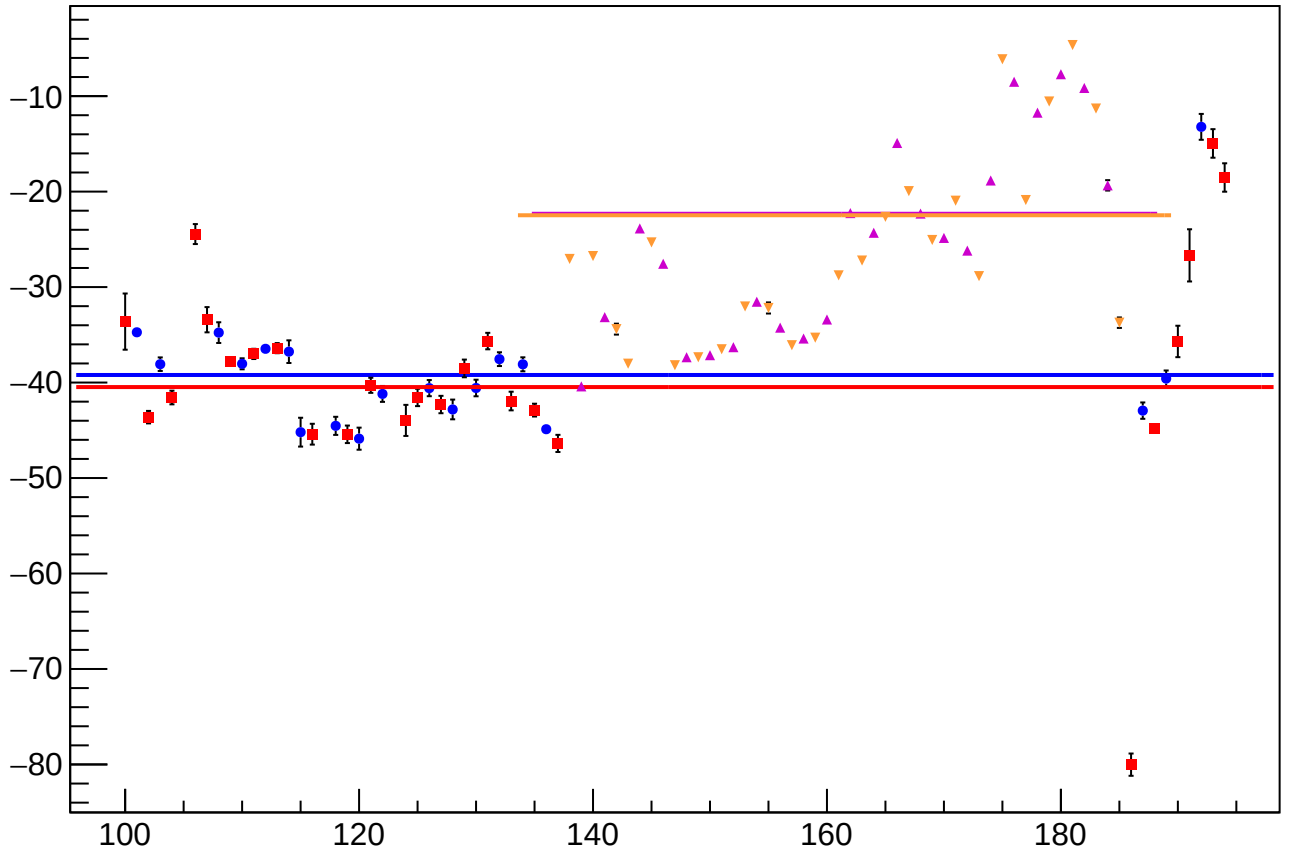
Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

Right: 0.149+/-0.120 χ^2/NDF: 1438.7/43

In: 3.328+/-0.056 χ^2/NDF:5792.7/41

Out: 3.521+/-0.055 χ^2/NDF:8256.7/49

All: 3.427+/-0.039 χ^2/NDF: 14055.5/91



Right In: -39.207+/-0.171 χ^2/NDF: 798.3/18

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -40.473+/-0.162 χ^2/NDF: 2371.9/24

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

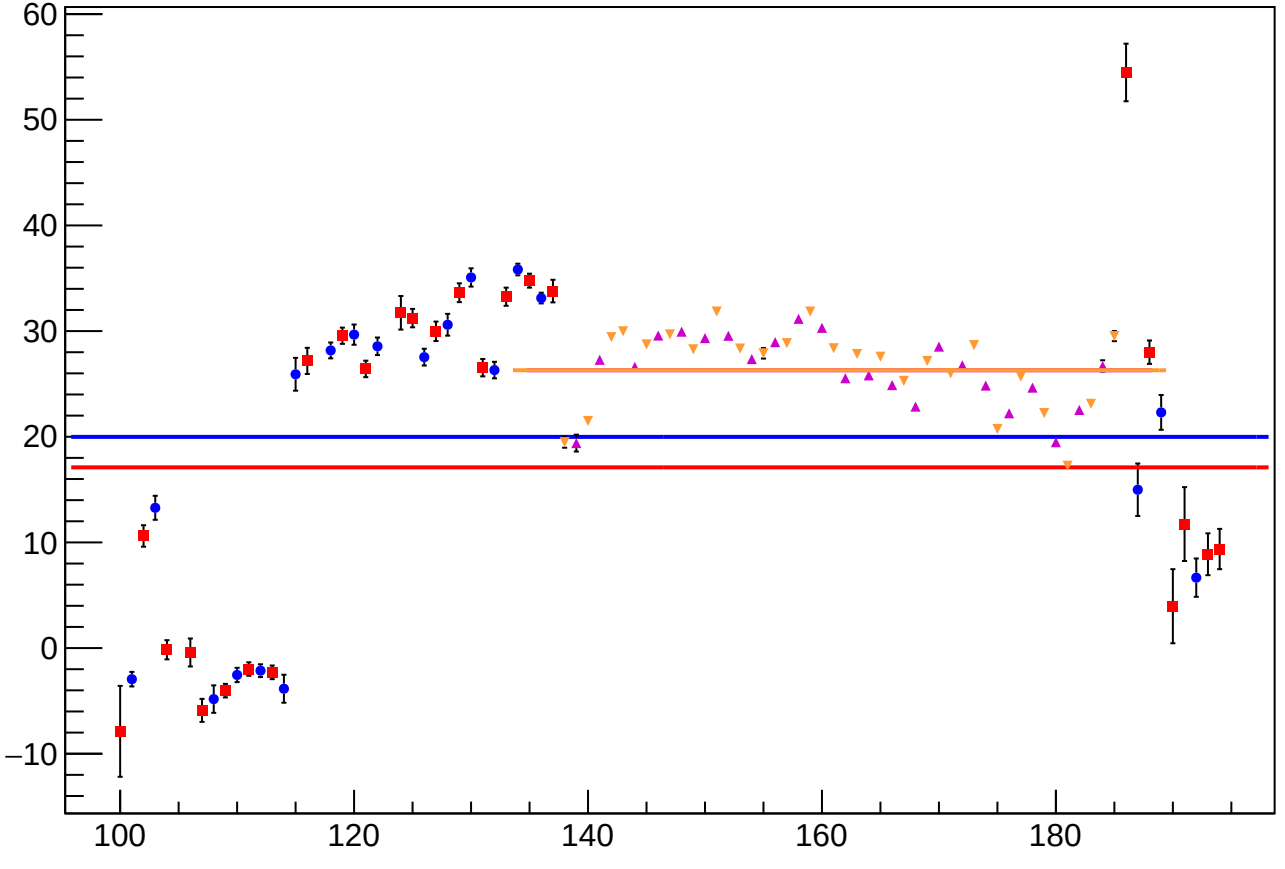
Right: -39.875+/-0.118 χ^2/NDF: 3199.1/43

In: -25.134+/-0.070 χ^2/NDF:26029.5/41

Out: -25.639+/-0.068 χ^2/NDF:32961.9/49

All: -25.394+/-0.049 χ^2/NDF: 59018.2/91

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.988+/-0.192 χ^2/NDF: 6745.2/18

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 17.102+/-0.193 χ^2/NDF: 7076.9/24

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

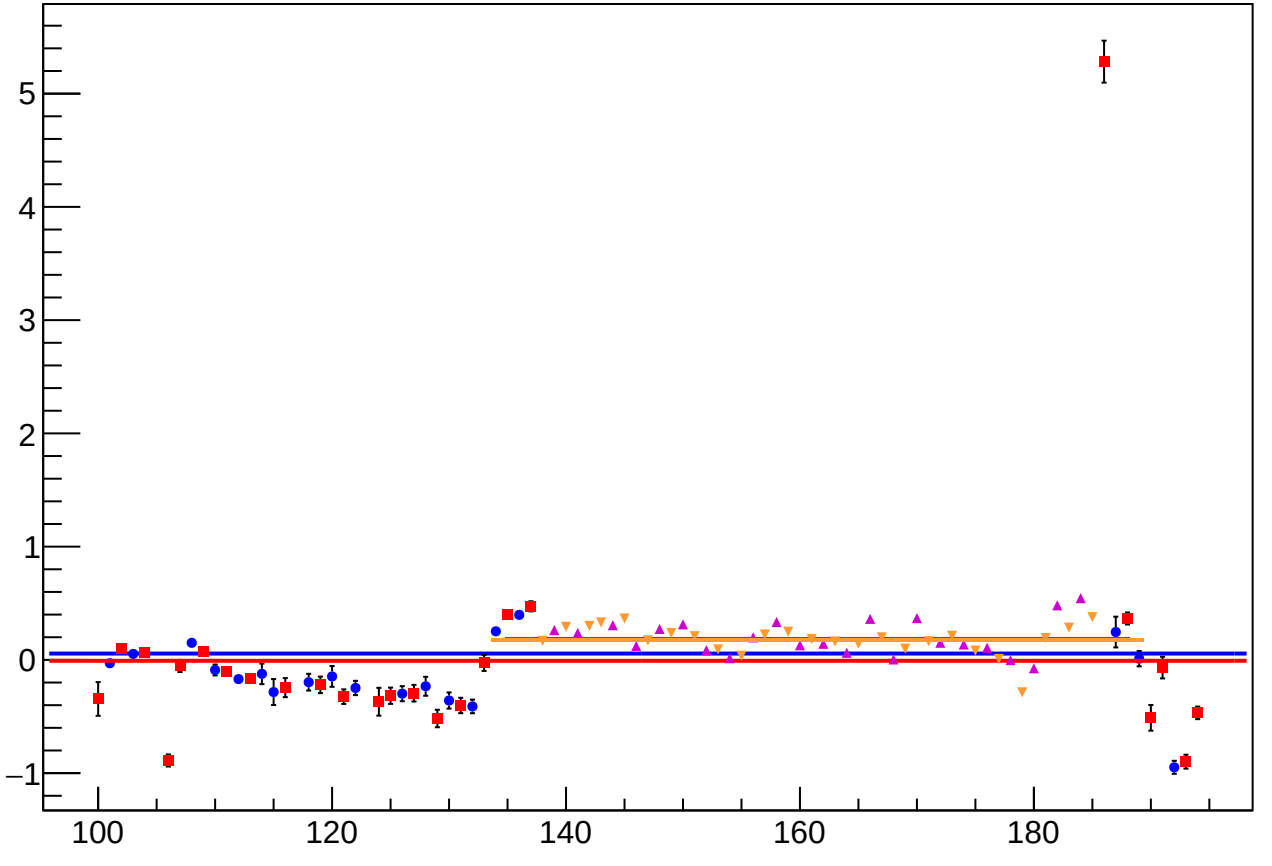
Right: 18.558+/-0.136 χ^2/NDF: 13934.3/43

In: 25.613+/-0.063 χ^2/NDF:9895.8/41

Out: 25.361+/-0.062 χ^2/NDF:12413.4/49

All: 25.484+/-0.044 χ^2/NDF: 22317.3/91

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.056+/-0.010 χ^2/NDF: 882.4/18

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.008+/-0.010 χ^2/NDF: 1999.9/24

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

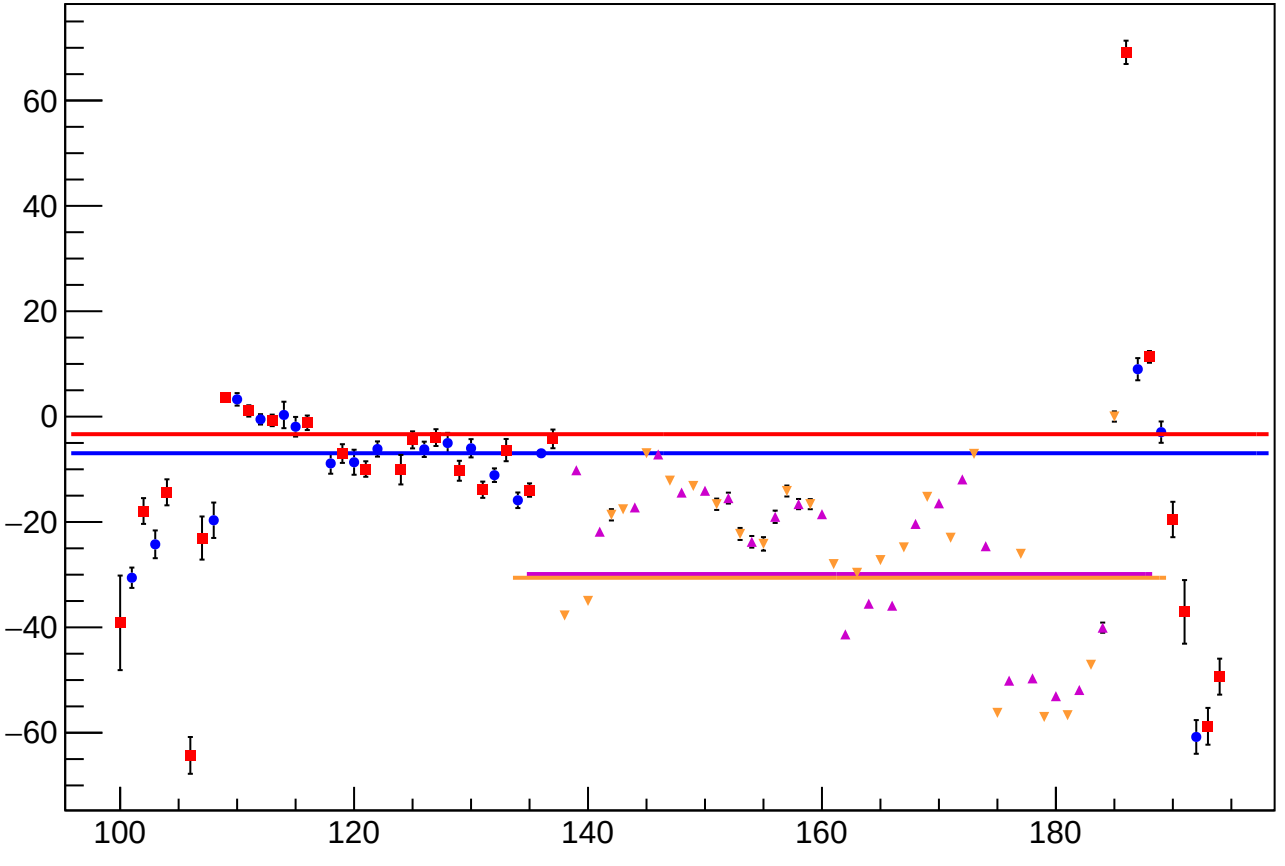
Right: 0.025+/-0.007 χ^2/NDF: 2901.8/43

In: 0.175+/-0.003 χ^2/NDF:3571.2/41

Out: 0.162+/-0.003 χ^2/NDF:4228.4/49

All: 0.168+/-0.002 χ^2/NDF: 7809.6/91

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.949+/-0.361 χ^2/NDF: 735.0/18

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -3.334+/-0.340 χ^2/NDF: 2373.6/24

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

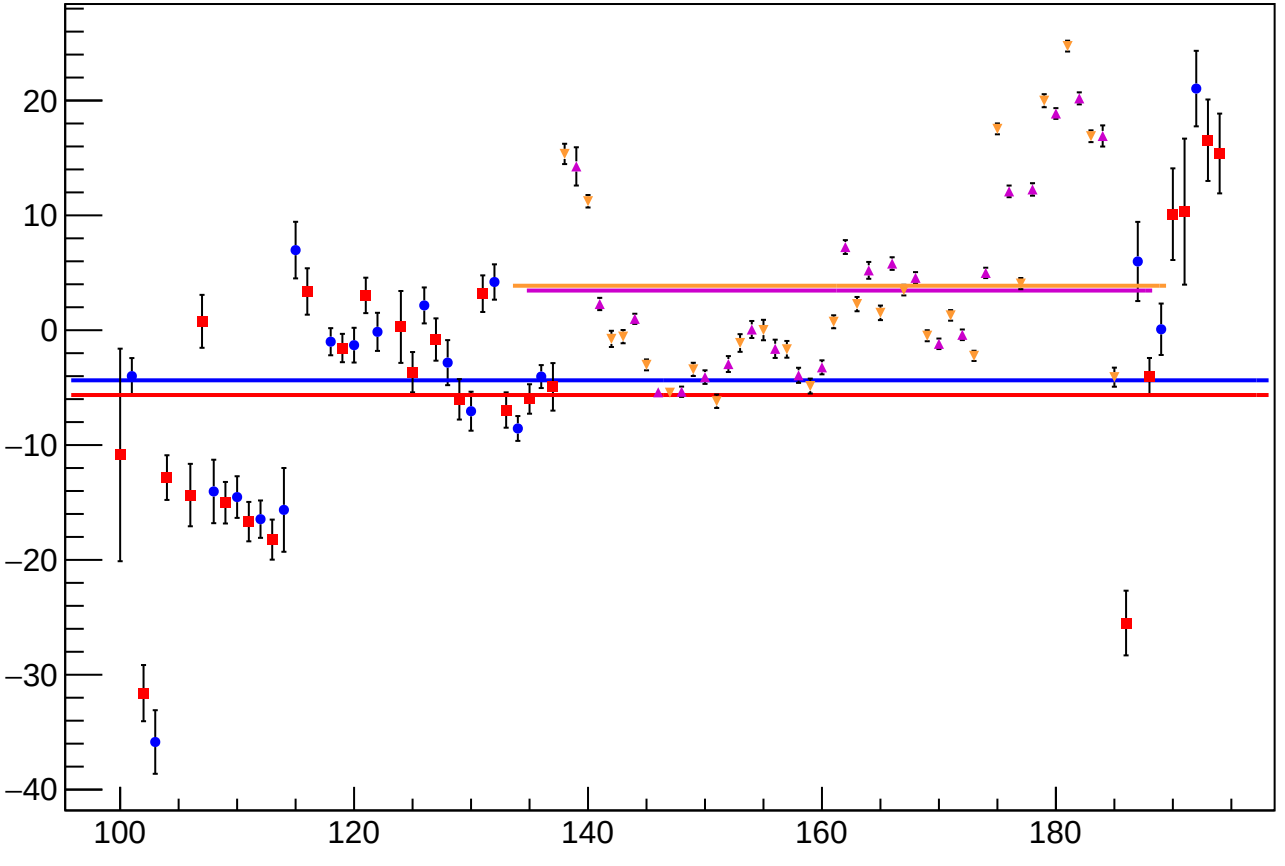
Right: -5.033+/-0.248 χ^2/NDF: 3161.7/43

In: -26.653+/-0.136 χ^2/NDF:16228.3/41

Out: -26.537+/-0.131 χ^2/NDF:23883.0/49

All: -26.593+/-0.094 χ^2/NDF: 40111.7/91

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.363+/-0.384 χ^2/NDF: 417.0/18

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -5.643+/-0.391 χ^2/NDF: 519.2/24

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

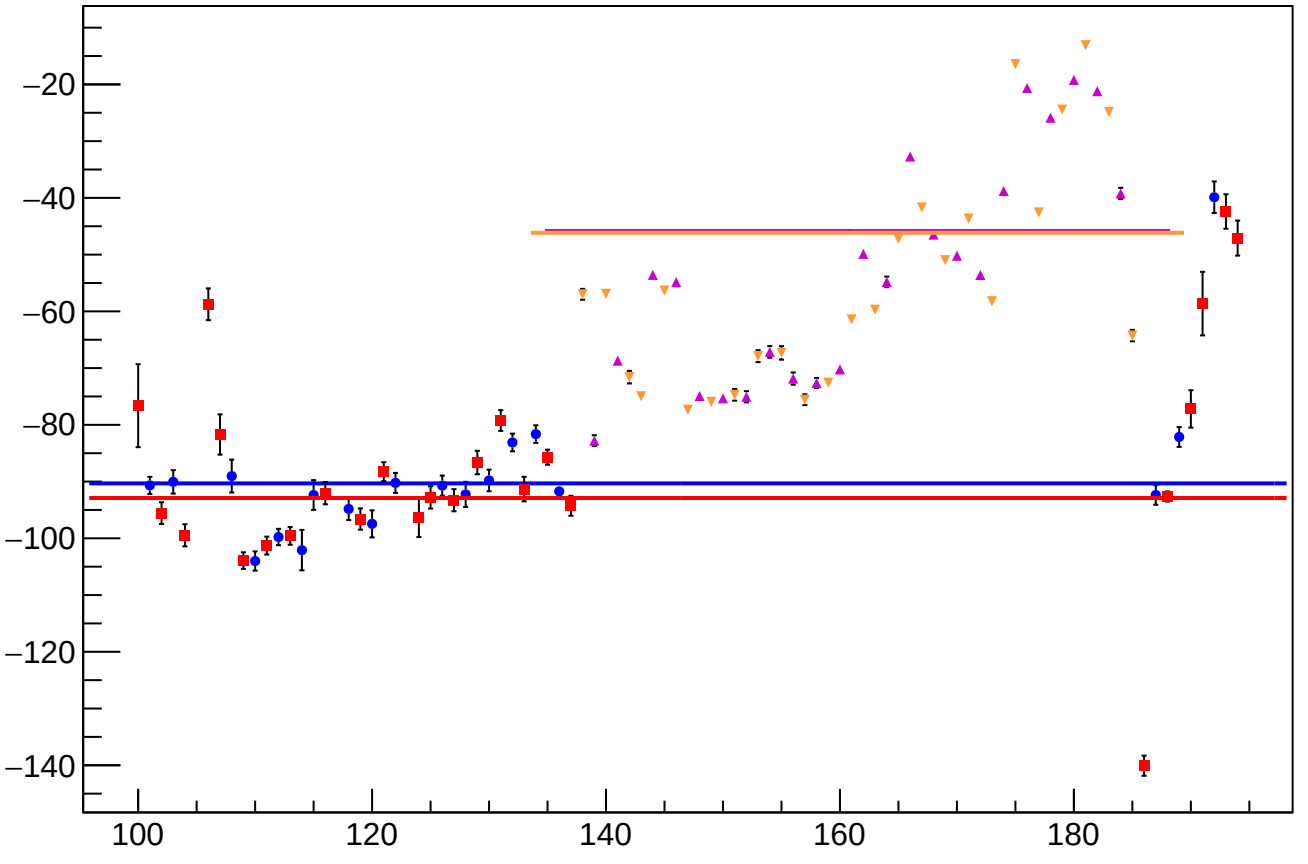
Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

Right: -4.992+/-0.274 χ^2/NDF: 941.7/43

In: 2.824+/-0.109 χ^2/NDF:5491.3/41

Out: 3.161+/-0.107 χ^2/NDF:7609.4/49

All: 2.995+/-0.076 χ^2/NDF: 13105.5/91



Right In: -90.322+/-0.397 χ^2/NDF: 542.8/18

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -92.892+/-0.376 χ^2/NDF: 1650.0/24

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

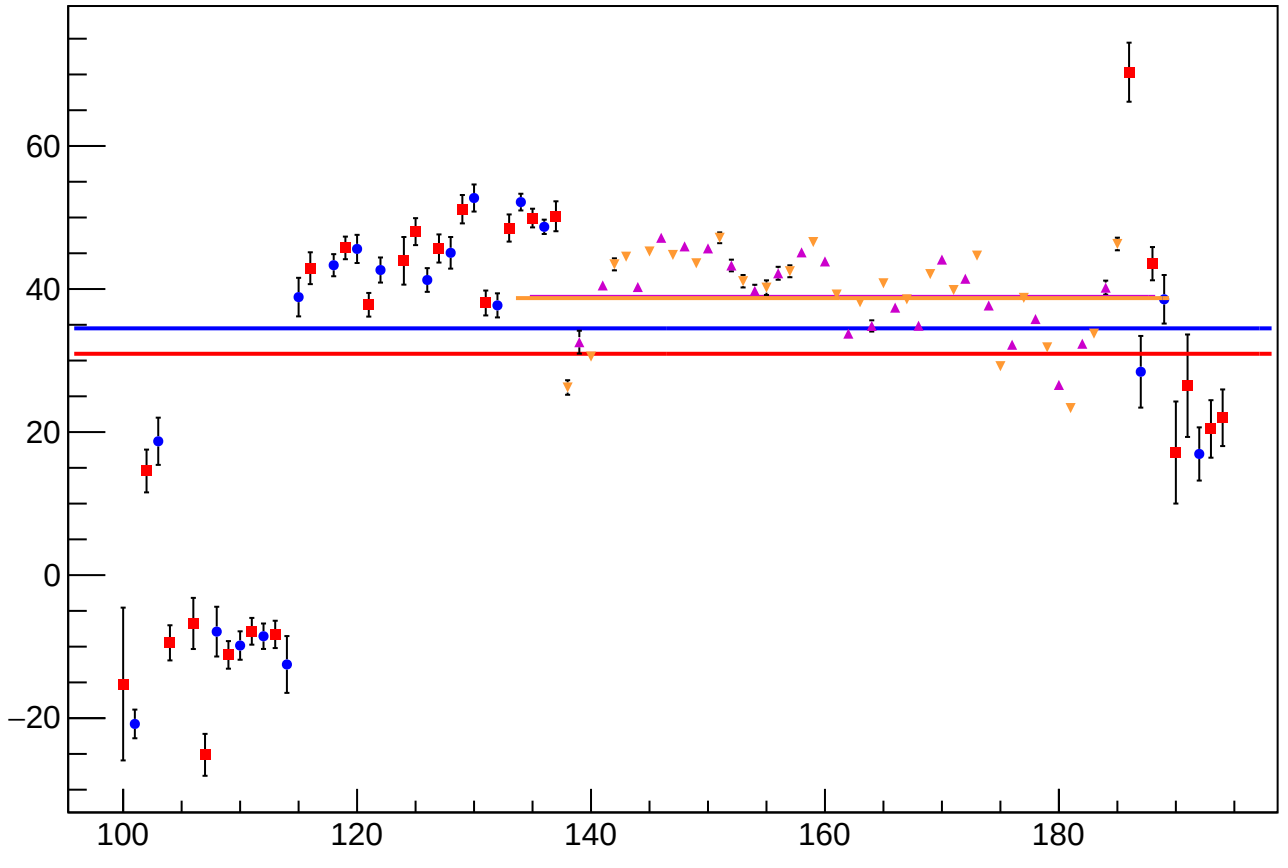
Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

Right: -91.676+/-0.273 χ^2/NDF: 2214.9/43

In: -51.141+/-0.137 χ^2/NDF:29543.5/41

Out: -52.019+/-0.133 χ^2/NDF:36624.9/49

All: -51.593+/-0.096 χ^2/NDF: 66189.5/91



Right In: 34.503+/-0.434 χ^2/NDF: 2834.6/18

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.947+/-0.448 χ^2/NDF: 3049.6/24

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

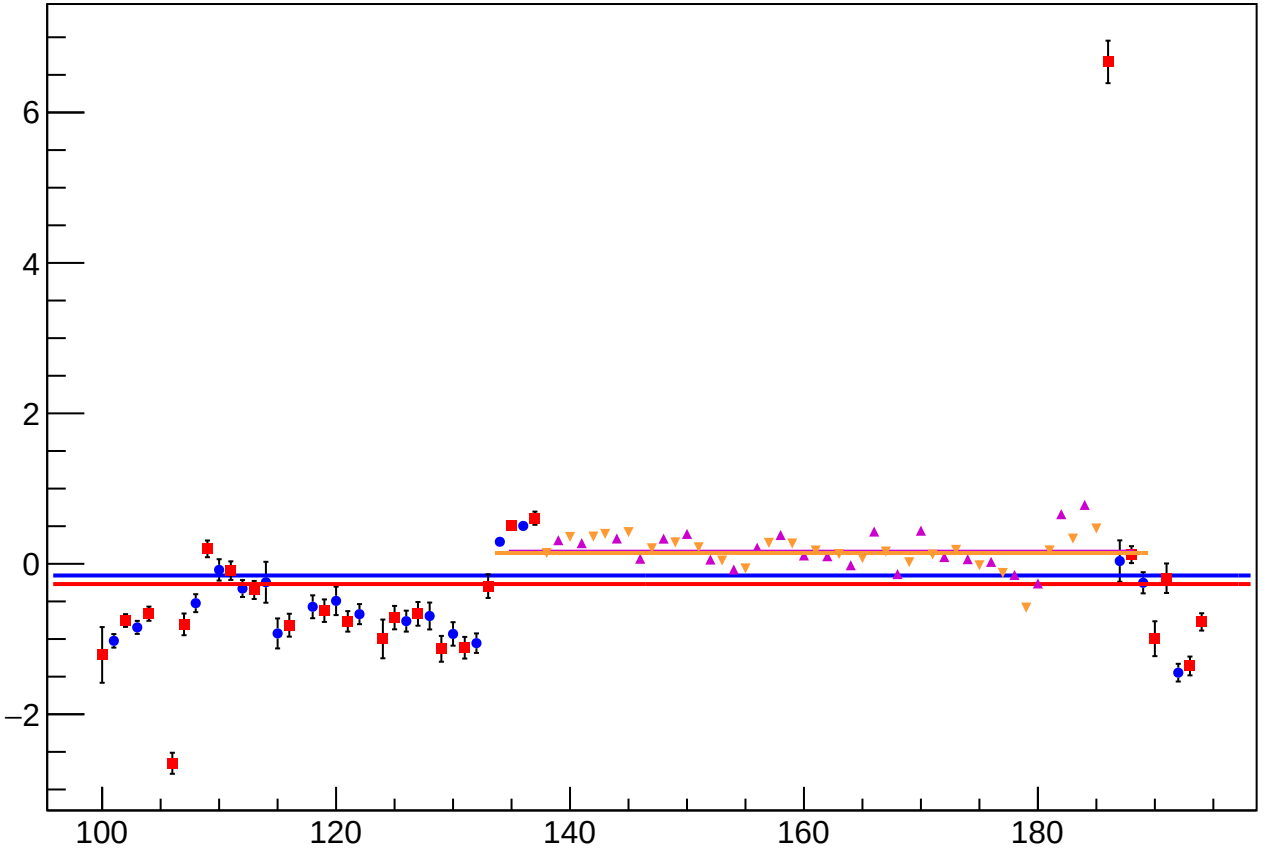
Right: 32.782+/-0.311 χ^2/NDF: 5916.7/43

In: 38.555+/-0.122 χ^2/NDF:4901.1/41

Out: 38.171+/-0.120 χ^2/NDF:6112.0/49

All: 38.359+/-0.086 χ^2/NDF: 11018.1/91

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.155+/-0.023 χ^2/NDF: 758.1/18

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.269+/-0.024 χ^2/NDF: 1543.3/24

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

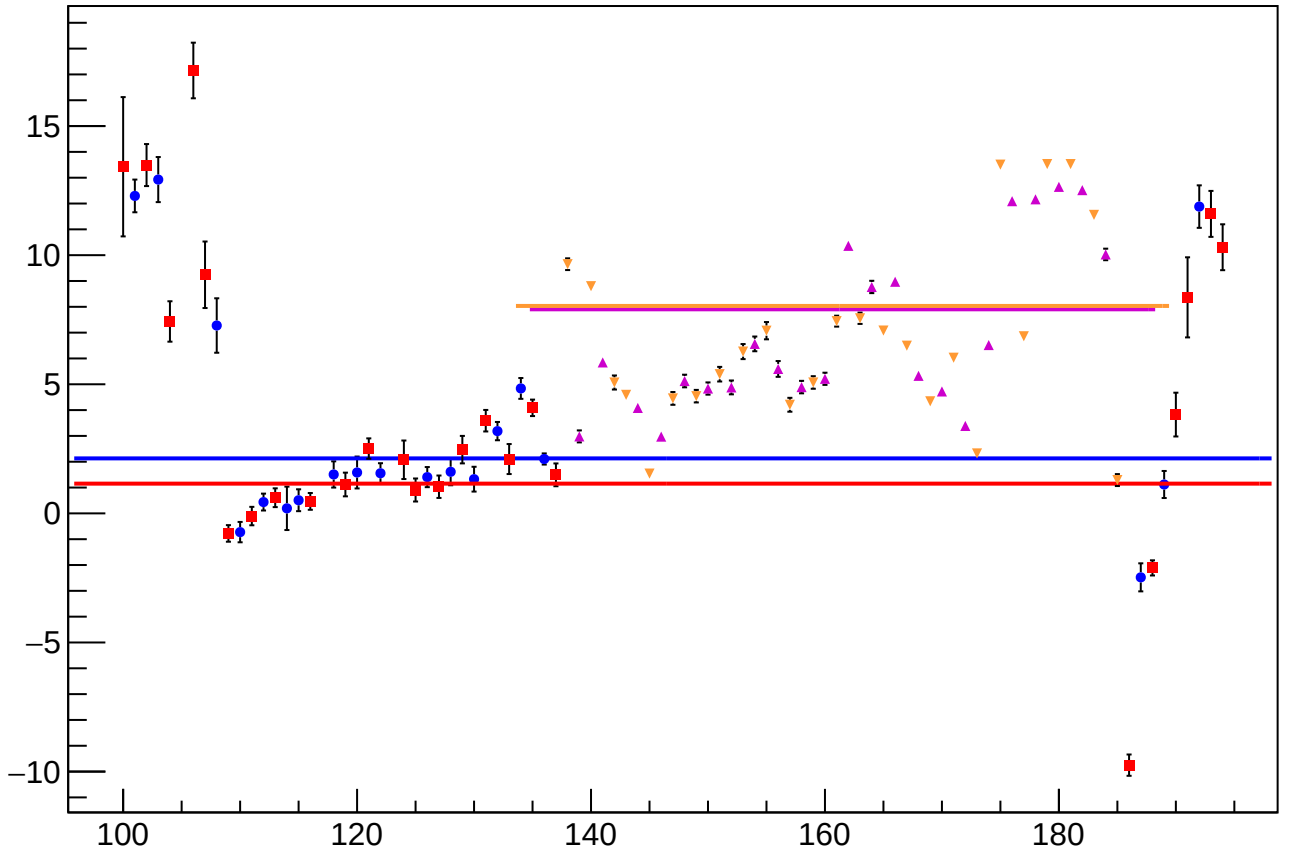
Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

Right: -0.210+/-0.017 χ^2/NDF: 2313.0/43

In: 0.143+/-0.006 χ^2/NDF:2853.5/41

Out: 0.123+/-0.005 χ^2/NDF:3263.9/49

All: 0.133+/-0.004 χ^2/NDF: 6124.3/91



Right In: 2.130+/-0.100 χ^2/NDF: 815.7/18

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.152+/-0.095 χ^2/NDF: 1870.2/24

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

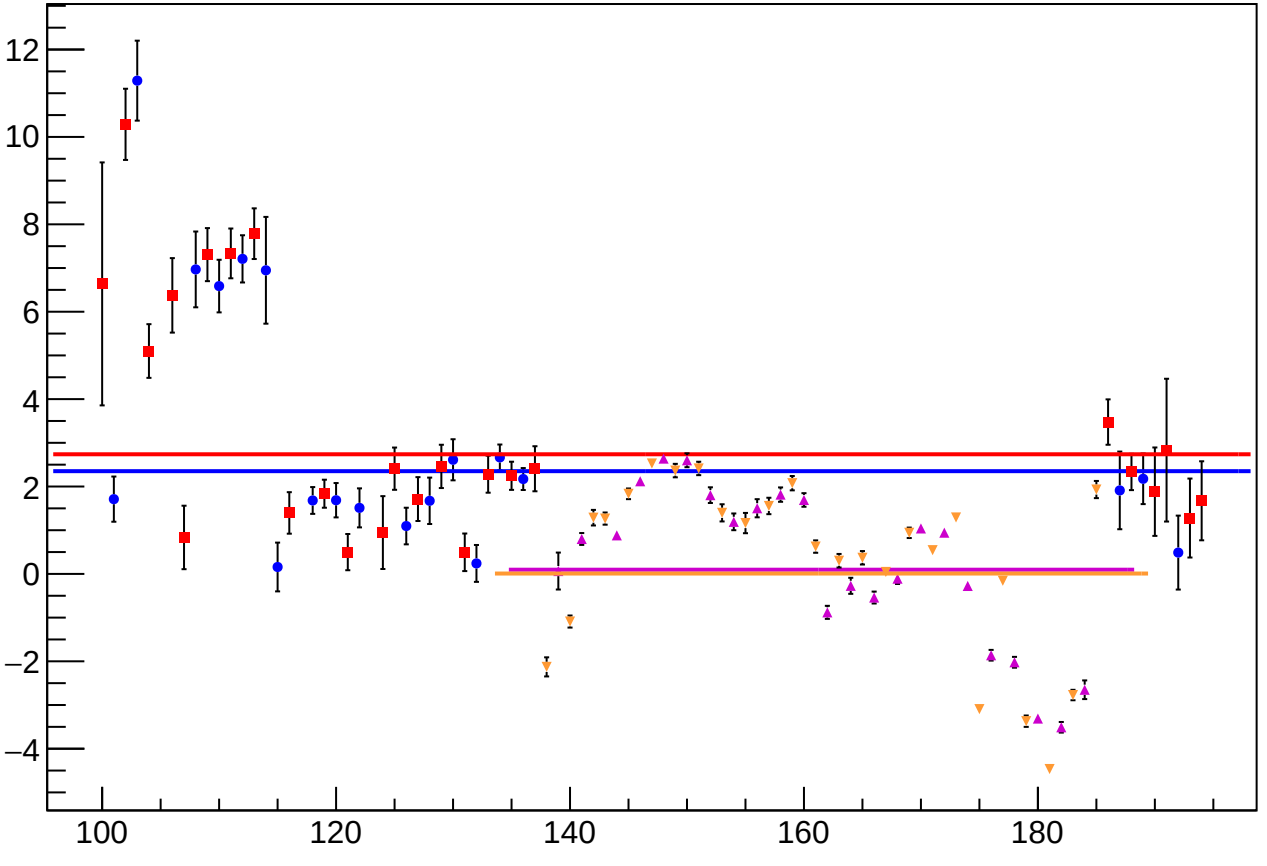
Right: 1.612+/-0.069 χ^2/NDF: 2736.2/43

In: 7.251+/-0.034 χ^2/NDF:13768.3/41

Out: 7.217+/-0.033 χ^2/NDF:20457.8/49

All: 7.234+/-0.023 χ^2/NDF: 34226.7/91

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.351+/-0.105 χ^2/NDF: 339.3/18

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.738+/-0.107 χ^2/NDF: 418.8/24

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

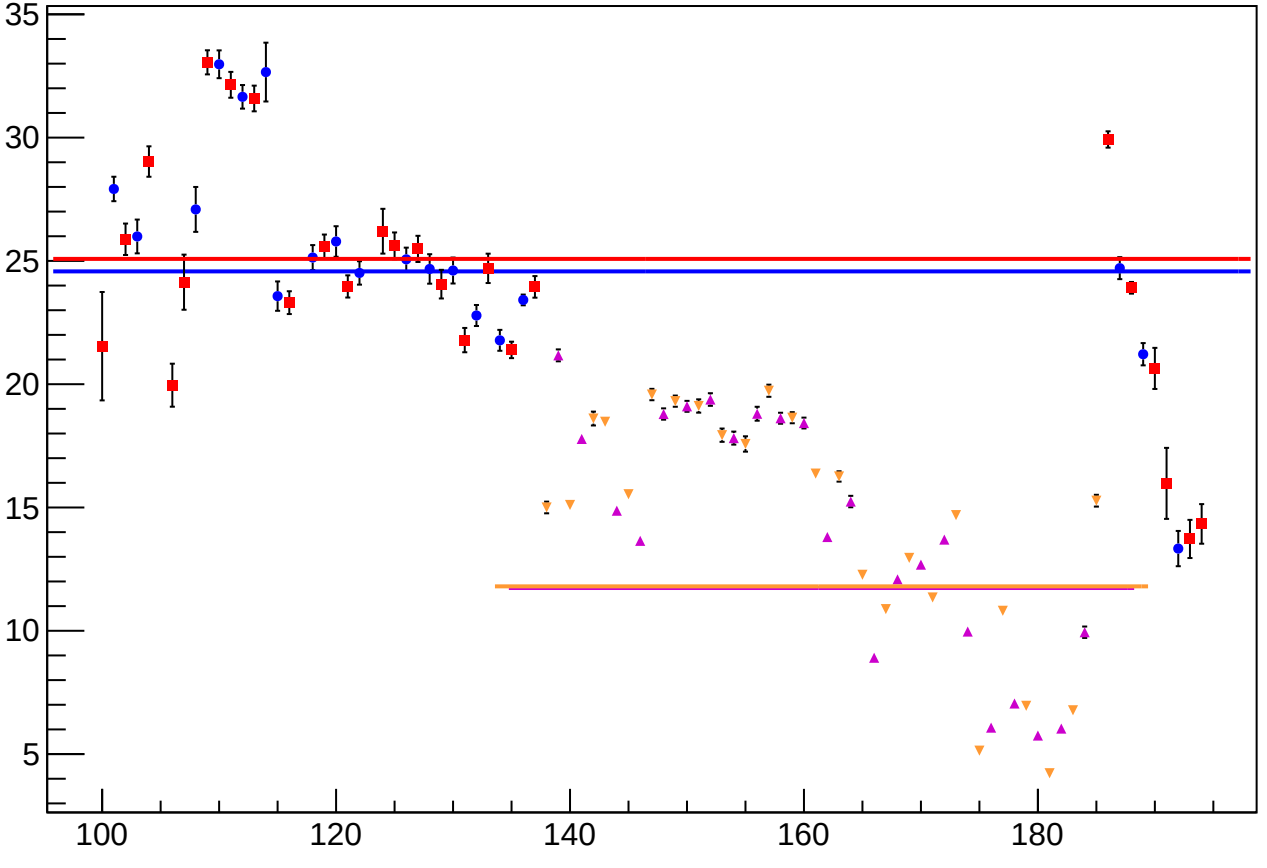
Right: 2.541+/-0.075 χ^2/NDF: 764.7/43

In: 0.247+/-0.027 χ^2/NDF:5203.5/41

Out: 0.178+/-0.027 χ^2/NDF:6793.1/49

All: 0.212+/-0.019 χ^2/NDF: 11999.8/91

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 24.575+/-0.109 χ^2/NDF: 944.9/18

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 25.081+/-0.101 χ^2/NDF: 1587.2/24

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

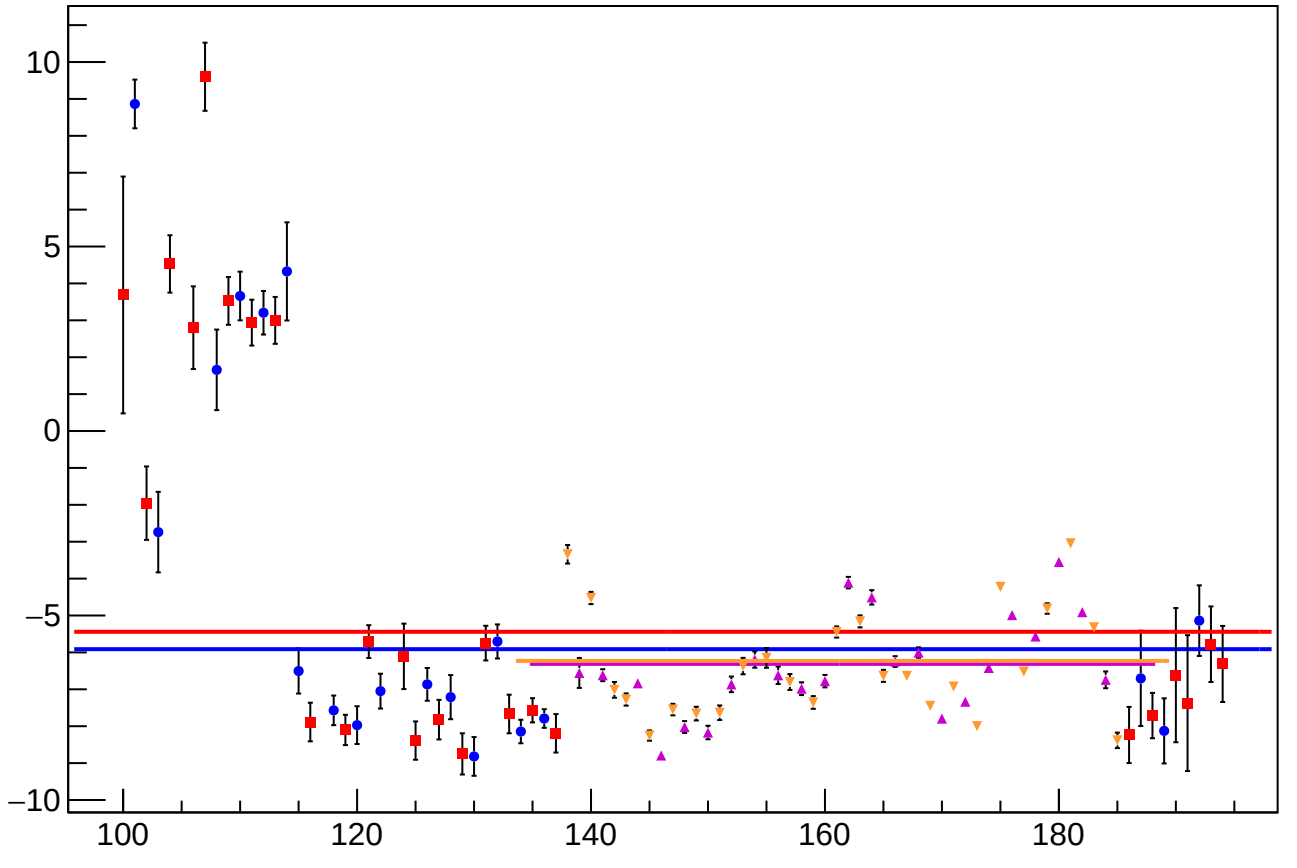
Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

Right: 24.846+/-0.074 χ^2/NDF: 2543.7/43

In: 12.987+/-0.034 χ^2/NDF:31481.3/41

Out: 13.203+/-0.033 χ^2/NDF:38389.8/49

All: 13.098+/-0.024 χ^2/NDF: 69891.8/91



Right In: -5.912+/-0.118 χ^2/NDF: 1258.8/18

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.441+/-0.123 χ^2/NDF: 1324.3/24

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

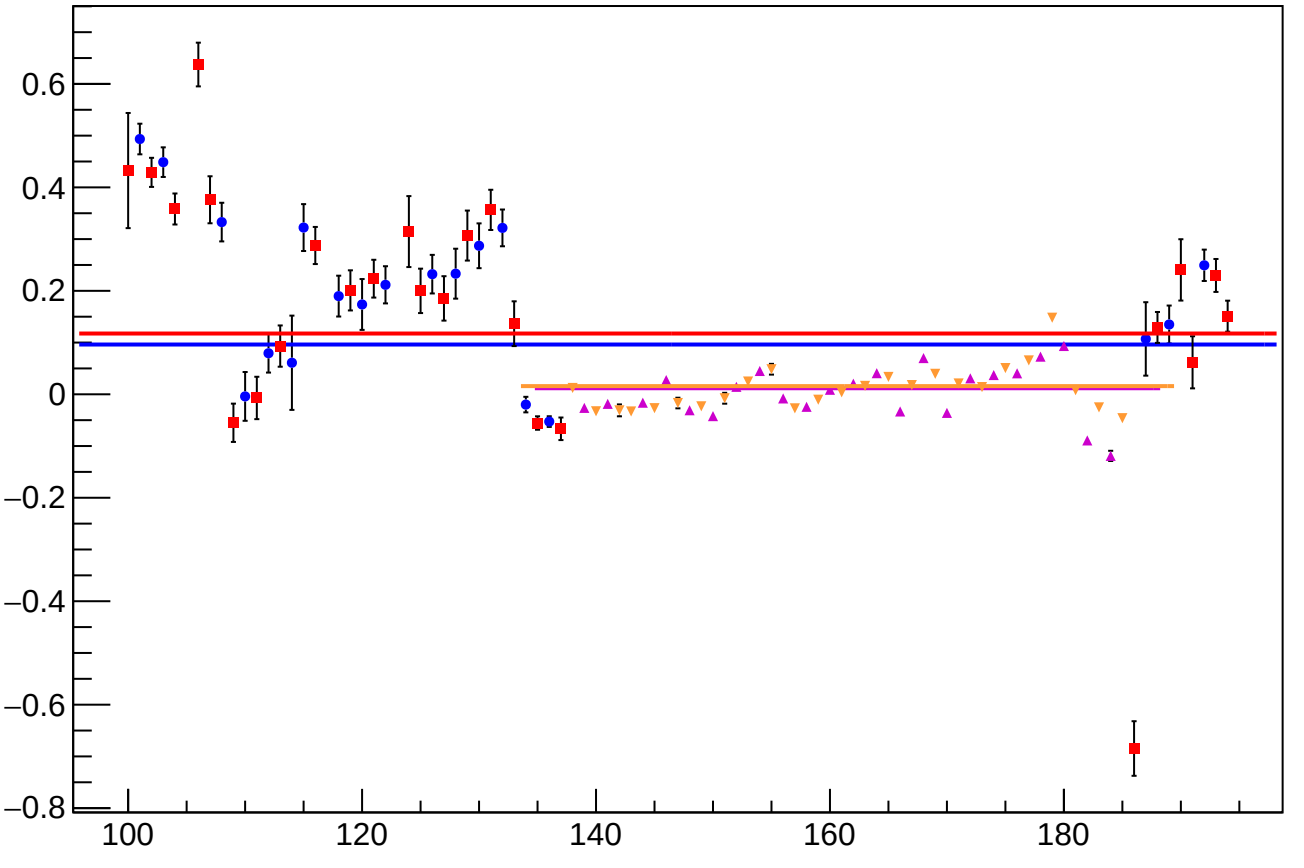
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -5.685+/-0.085 χ^2/NDF: 2590.8/43

In: -6.285+/-0.030 χ^2/NDF:3299.6/41

Out: -6.184+/-0.030 χ^2/NDF:3813.4/49

All: -6.233+/-0.021 χ^2/NDF: 7118.6/91



Right In: 0.096+/-0.006 χ^2/NDF: 796.4/18

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.117+/-0.007 χ^2/NDF: 1013.5/24

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

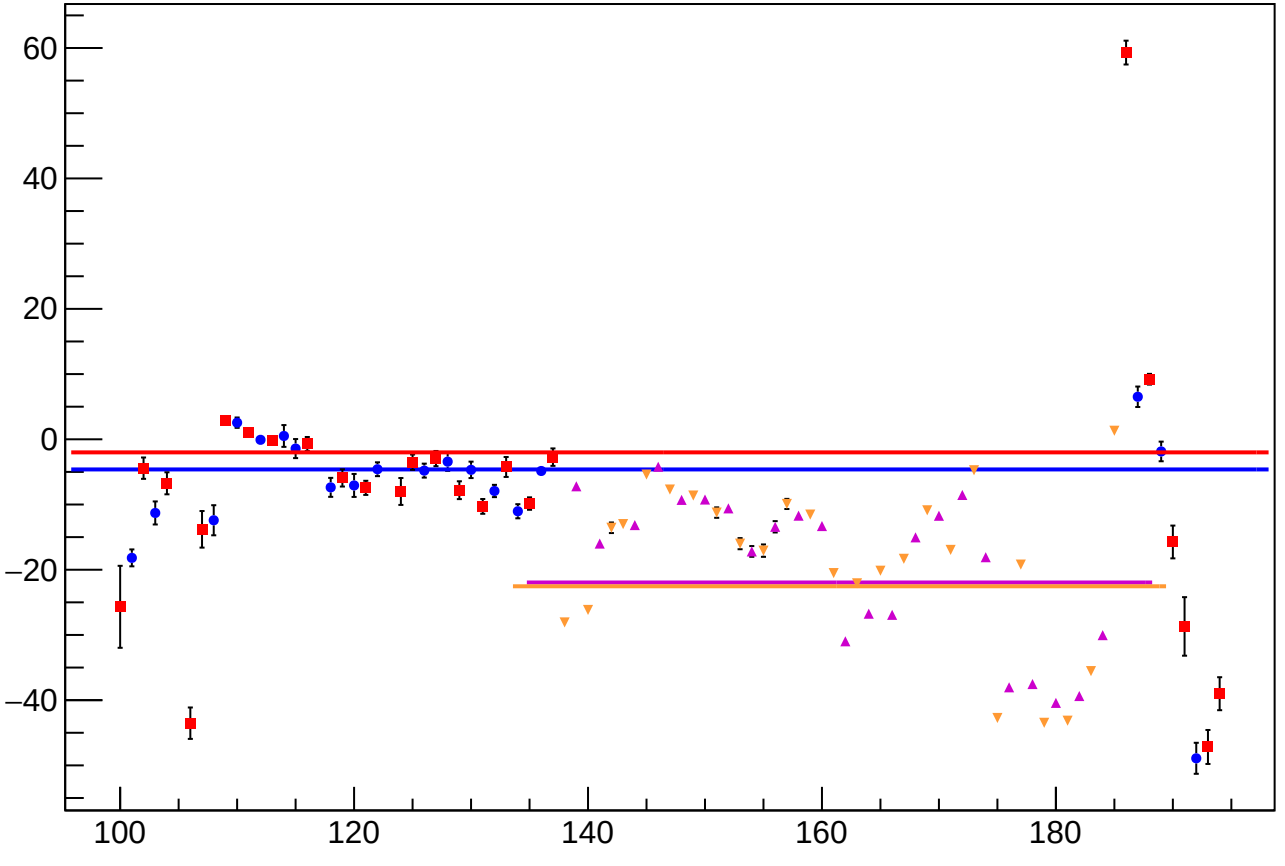
Right: 0.106+/-0.005 χ^2/NDF: 1815.3/43

In: 0.016+/-0.001 χ^2/NDF:2264.4/41

Out: 0.020+/-0.001 χ^2/NDF:2173.6/49

All: 0.018+/-0.001 χ^2/NDF: 4443.0/91

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.621+/-0.259 χ^2/NDF: 733.0/18

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -2.005+/-0.243 χ^2/NDF: 2501.8/24

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

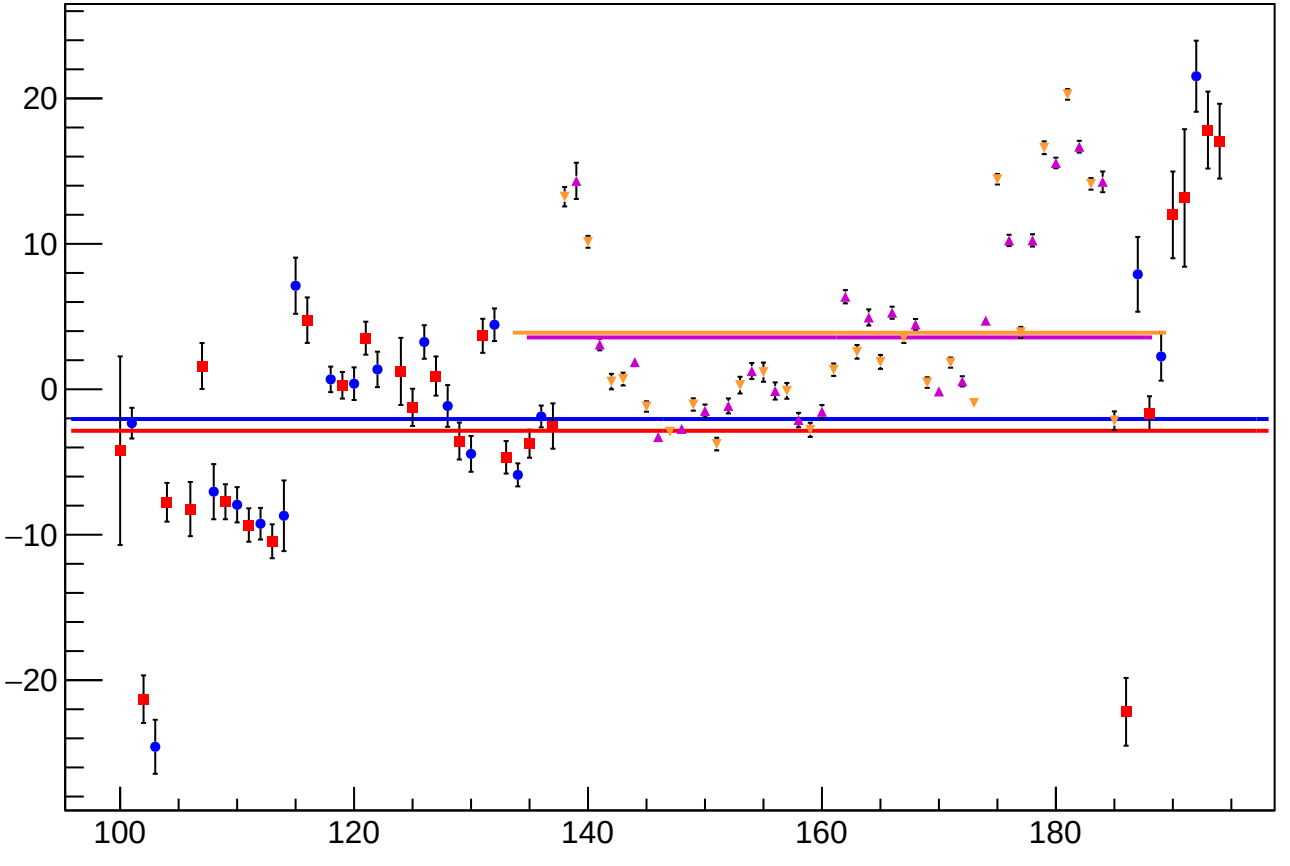
Right: -3.227+/-0.177 χ^2/NDF: 3289.1/43

In: -19.261+/-0.102 χ^2/NDF:17100.3/41

Out: -19.136+/-0.099 χ^2/NDF:25019.9/49

All: -19.196+/-0.071 χ^2/NDF: 42121.0/91

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.043+/-0.278 χ^2/NDF: 470.5/18

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

Right Out: -2.852+/-0.282 χ^2/NDF: 589.7/24

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

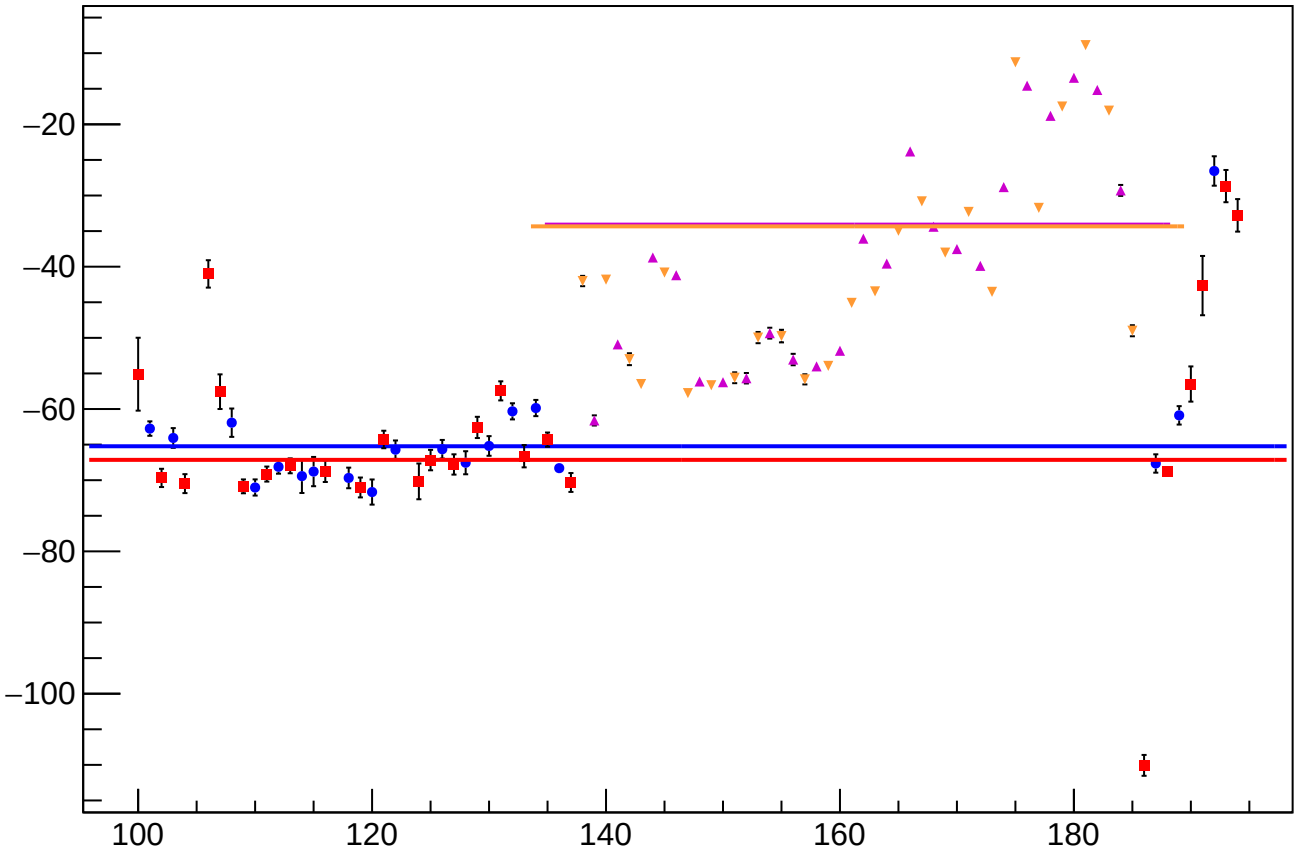
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: -2.442+/-0.198 χ^2/NDF: 1064.4/43

In: 3.074+/-0.082 χ^2/NDF:5581.0/41

Out: 3.338+/-0.081 χ^2/NDF:7838.9/49

All: 3.209+/-0.058 χ^2/NDF: 13425.2/91



Right In: -65.232+/-0.286 χ^2/NDF: 503.7/18

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -67.143+/-0.271 χ^2/NDF: 1755.7/24

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

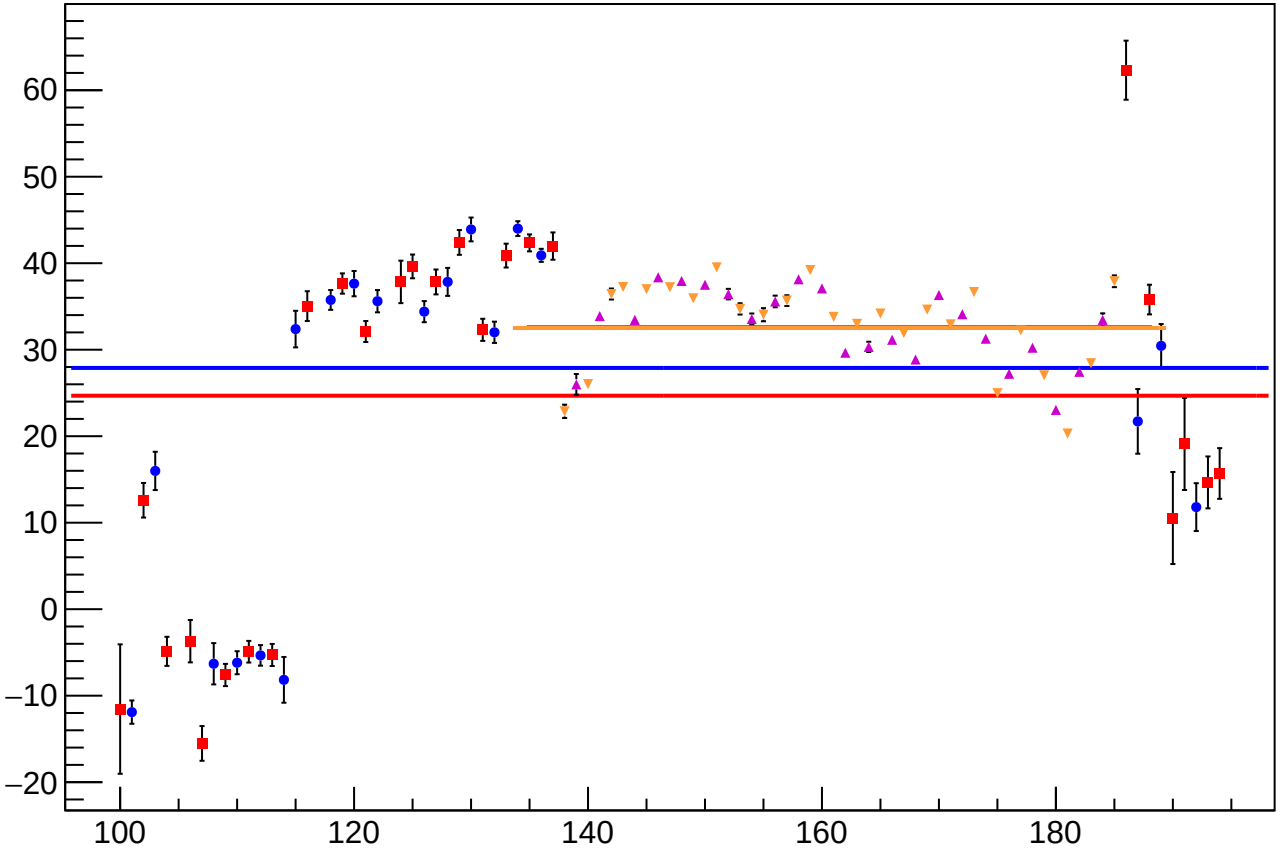
Right: -66.238+/-0.197 χ^2/NDF: 2282.9/43

In: -38.166+/-0.103 χ^2/NDF:28538.7/41

Out: -38.843+/-0.101 χ^2/NDF:35576.0/49

All: -38.514+/-0.072 χ^2/NDF: 64136.7/91

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 27.893+/-0.314 χ^2/NDF: 3765.8/18

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.680+/-0.323 χ^2/NDF: 4035.9/24

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

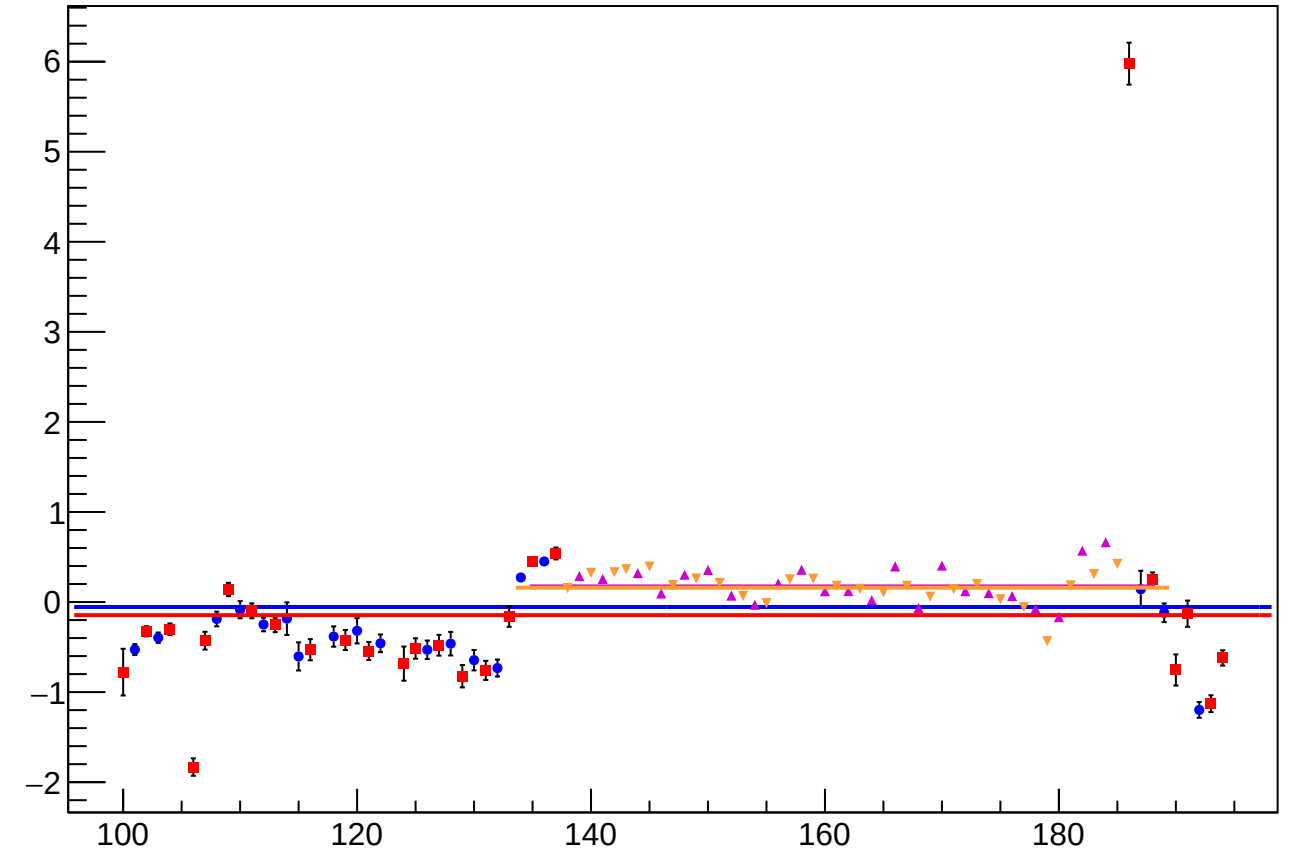
Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

Right: 26.329+/-0.225 χ^2/NDF: 7852.6/43

In: 32.191+/-0.092 χ^2/NDF:5983.5/41

Out: 31.892+/-0.091 χ^2/NDF:7516.2/49

All: 32.038+/-0.065 χ^2/NDF: 13505.1/91



Right In: -0.055+/-0.017 χ^2/NDF: 765.9/18

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.146+/-0.017 χ^2/NDF: 1686.7/24

Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

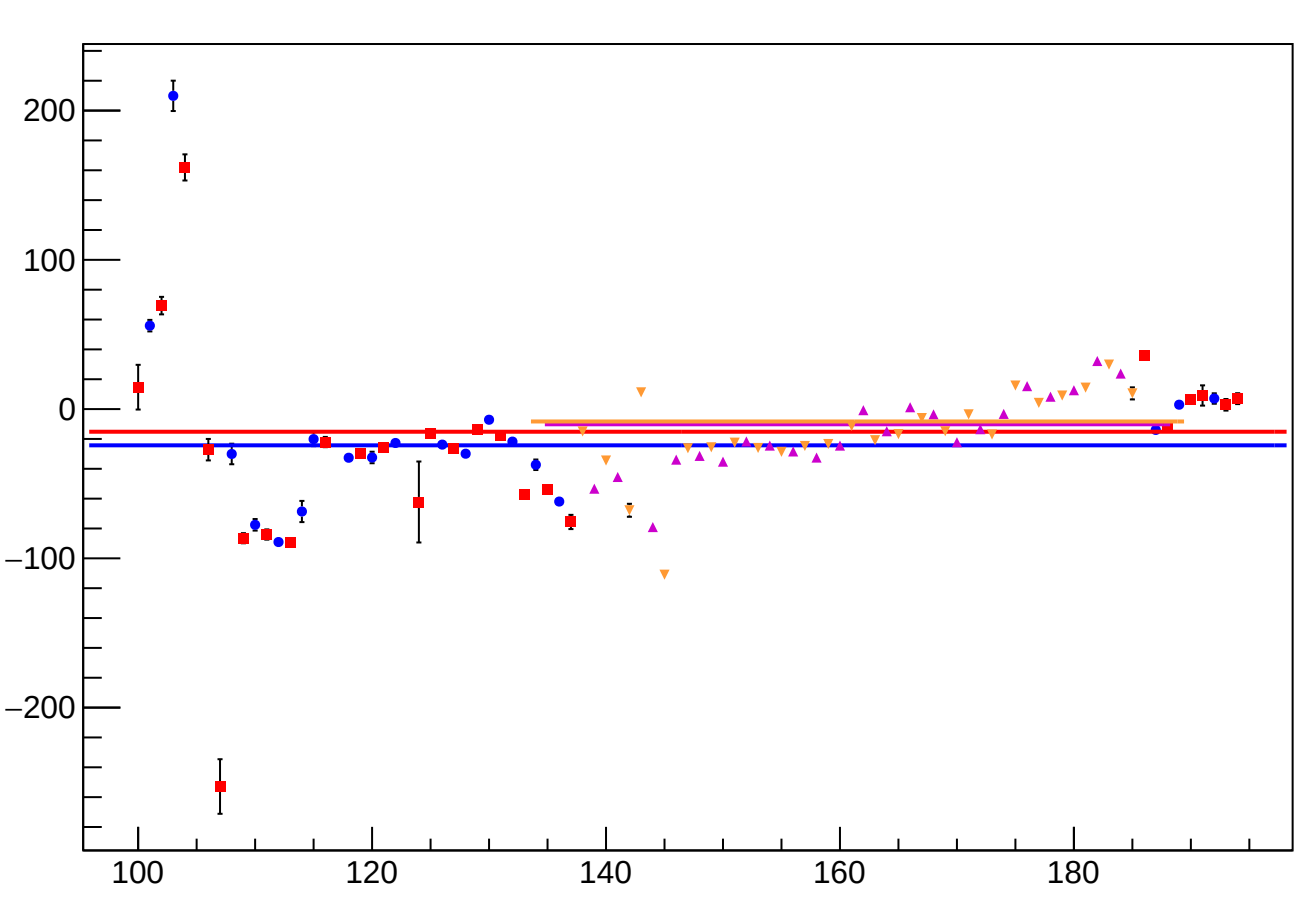
Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

Right: -0.099+/-0.012 χ^2/NDF: 2466.7/43

In: 0.159+/-0.004 χ^2/NDF:3070.3/41

Out: 0.143+/-0.004 χ^2/NDF:3591.7/49

All: 0.151+/-0.003 χ^2/NDF: 6669.8/91



Right In: -24.281+/-0.715 χ^2/NDF: 2231.7/18

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -15.171+/-0.602 χ^2/NDF: 3997.2/24

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

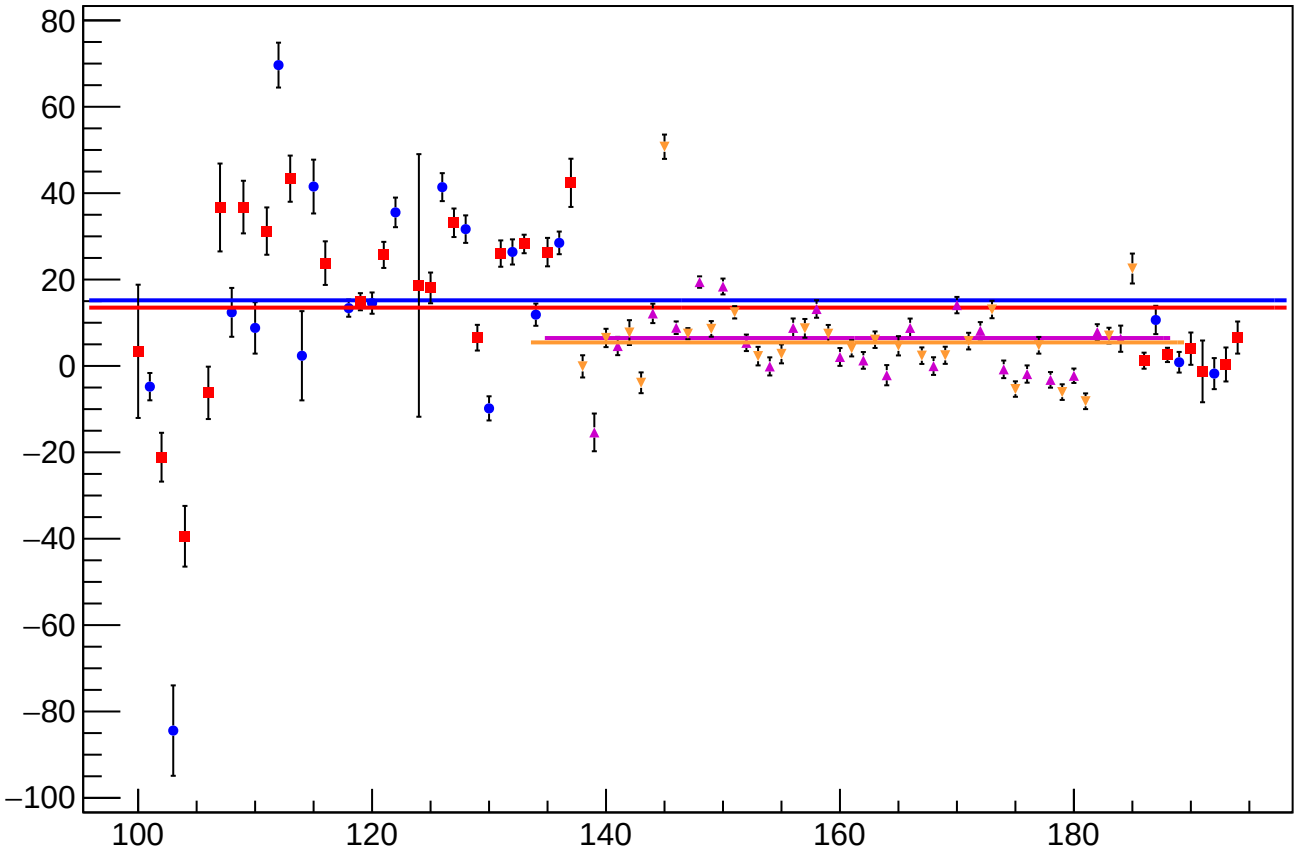
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

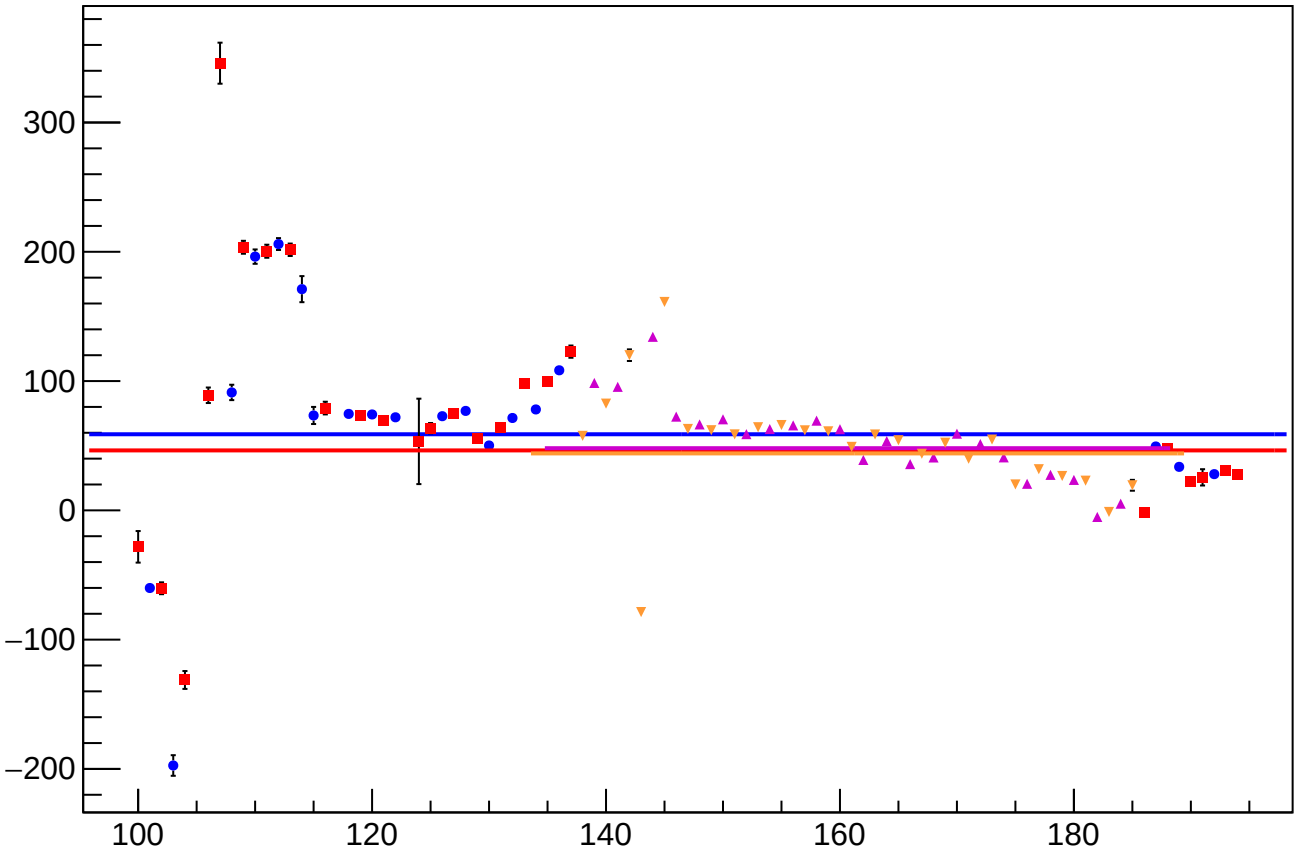
Right: -18.949+/-0.461 χ^2/NDF: 6323.9/43

In: -15.134+/-0.424 χ^2/NDF:5002.2/41

Out: -11.193+/-0.391 χ^2/NDF:6632.3/49

All: -13.004+/-0.287 χ^2/NDF: 11681.2/91


reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
Right In: 15.193+/-0.741 χ²/NDF: 572.0/18
Left Out: 5.445+/-0.394 χ²/NDF:493.7/24
Right Out: 13.501+/-0.673 χ²/NDF: 449.4/24
Left In: 6.461+/-0.408 χ²/NDF:336.0/22
Left: 5.936+/-0.283 χ²/NDF: 832.9/47
Right: 14.266+/-0.498 χ²/NDF: 1024.3/43
In: 8.494+/-0.357 χ²/NDF:1014.6/41
Out: 7.502+/-0.340 χ²/NDF:1049.9/49
All: 7.974+/-0.246 χ²/NDF: 2068.6/91



Right In: 58.858+/-0.719 χ^2/NDF: 5331.0/18

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 46.369+/-0.565 χ^2/NDF: 7459.5/24

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

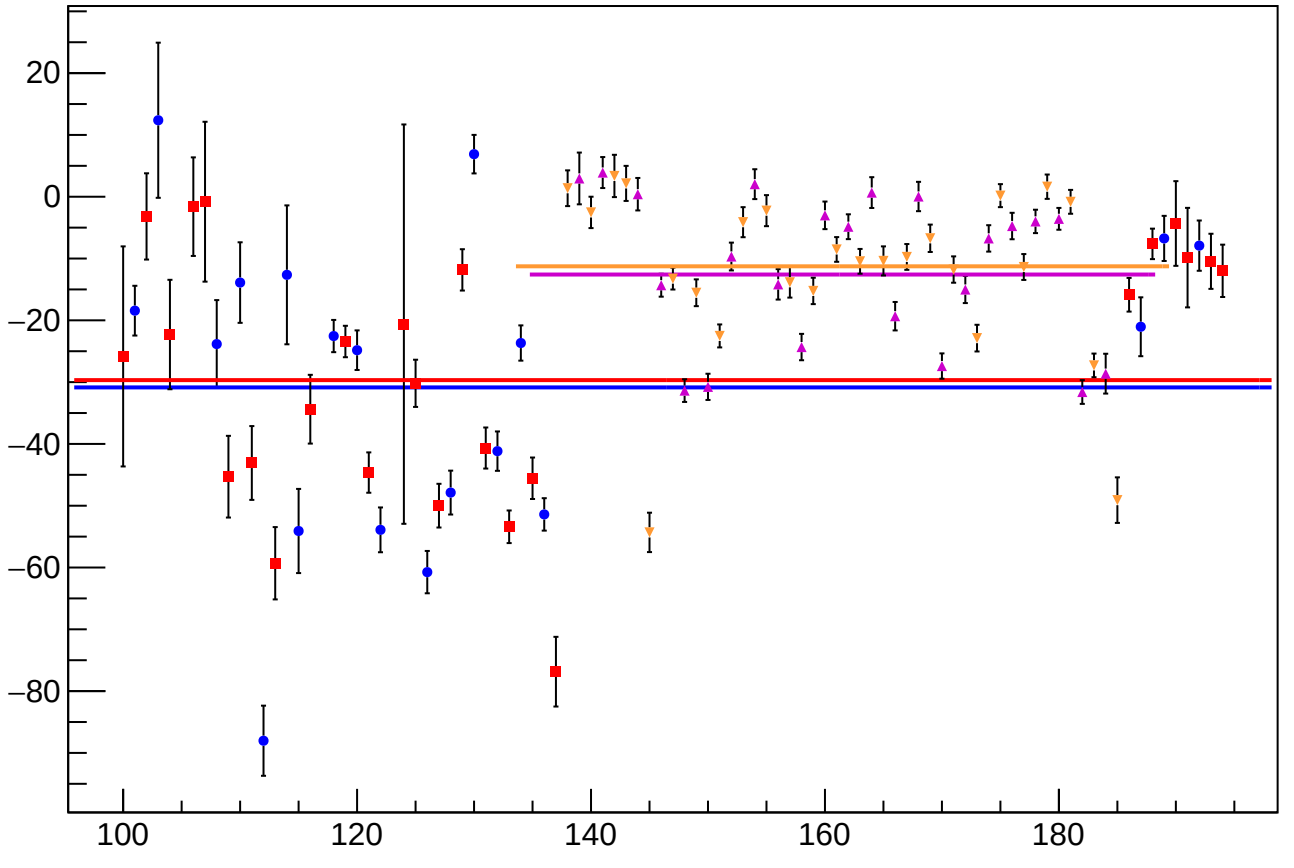
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 51.135+/-0.444 χ^2/NDF: 12977.0/43

In: 51.789+/-0.422 χ^2/NDF:8854.9/41

Out: 45.086+/-0.379 χ^2/NDF:12032.6/49

All: 48.074+/-0.282 χ^2/NDF: 21027.3/91



Right In: -30.855+/-0.875 χ^2/NDF: 602.6/18

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -29.676+/-0.829 χ^2/NDF: 503.7/24

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

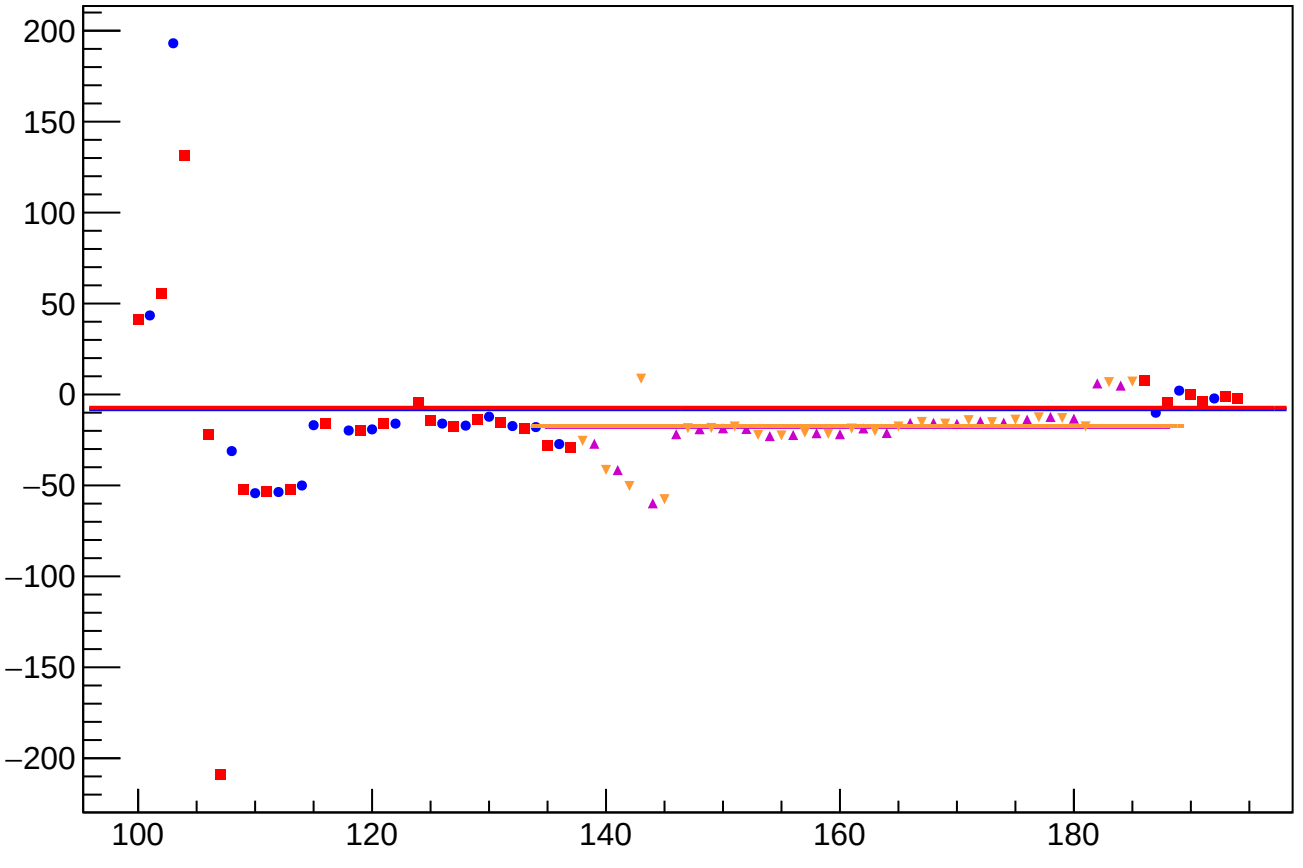
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -30.234+/-0.602 χ^2/NDF: 1107.2/43

In: -16.529+/-0.406 χ^2/NDF:1616.2/41

Out: -15.376+/-0.392 χ^2/NDF:1529.9/49

All: -15.931+/-0.282 χ^2/NDF: 3150.3/91



Right In: -8.093+/-0.049 χ^2/NDF: 530079.8/18

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -7.306+/-0.045 χ^2/NDF: 469903.3/24

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

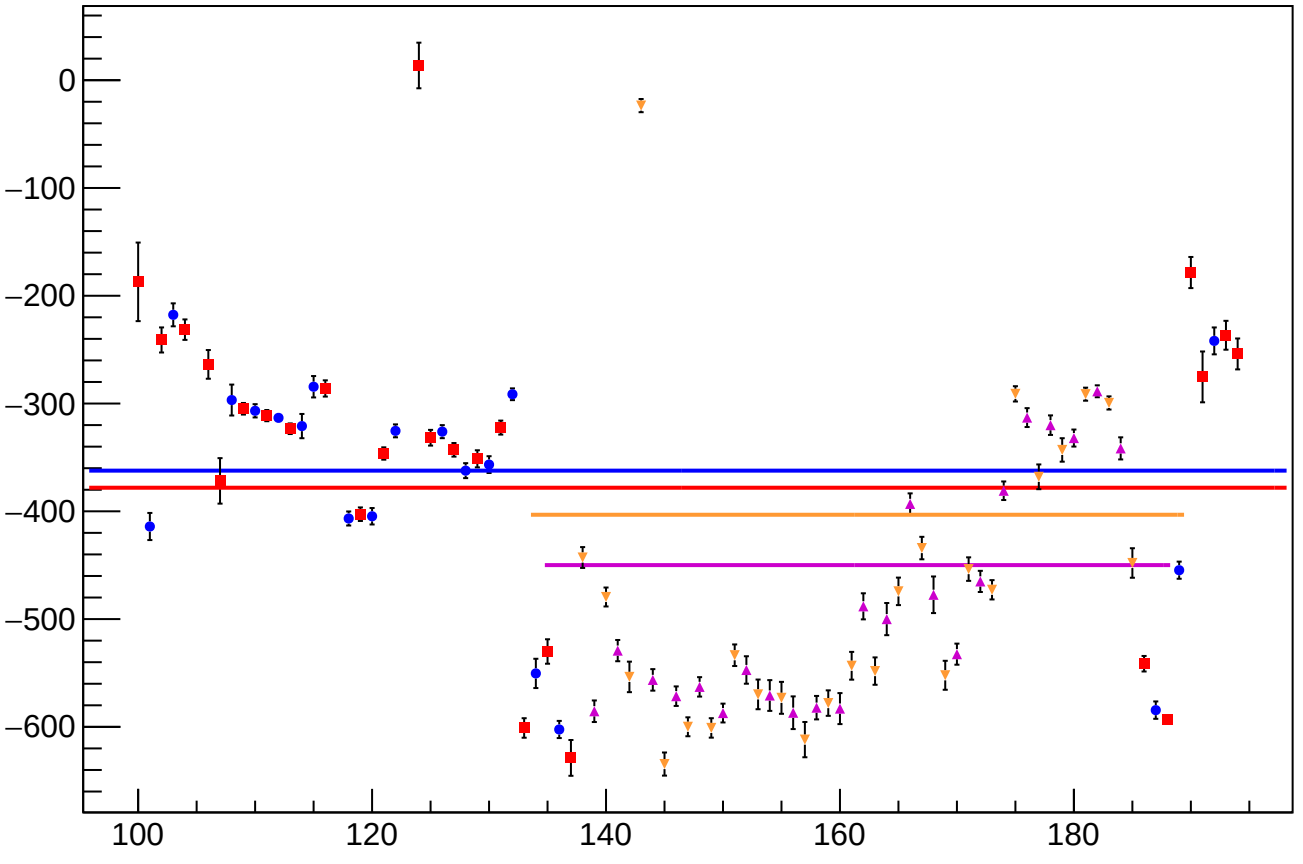
Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

Right: -7.665+/-0.033 χ^2/NDF: 1000125.3/43

In: -16.387+/-0.019 χ^2/NDF:831614.7/41

Out: -15.655+/-0.018 χ^2/NDF:859803.9/49

All: -16.011+/-0.013 χ^2/NDF: 1692202.9/91



Right In: -362.262+/-1.720 χ^2/NDF: 2902.1/18

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -378.114+/-1.555 χ^2/NDF: 6076.5/24

Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

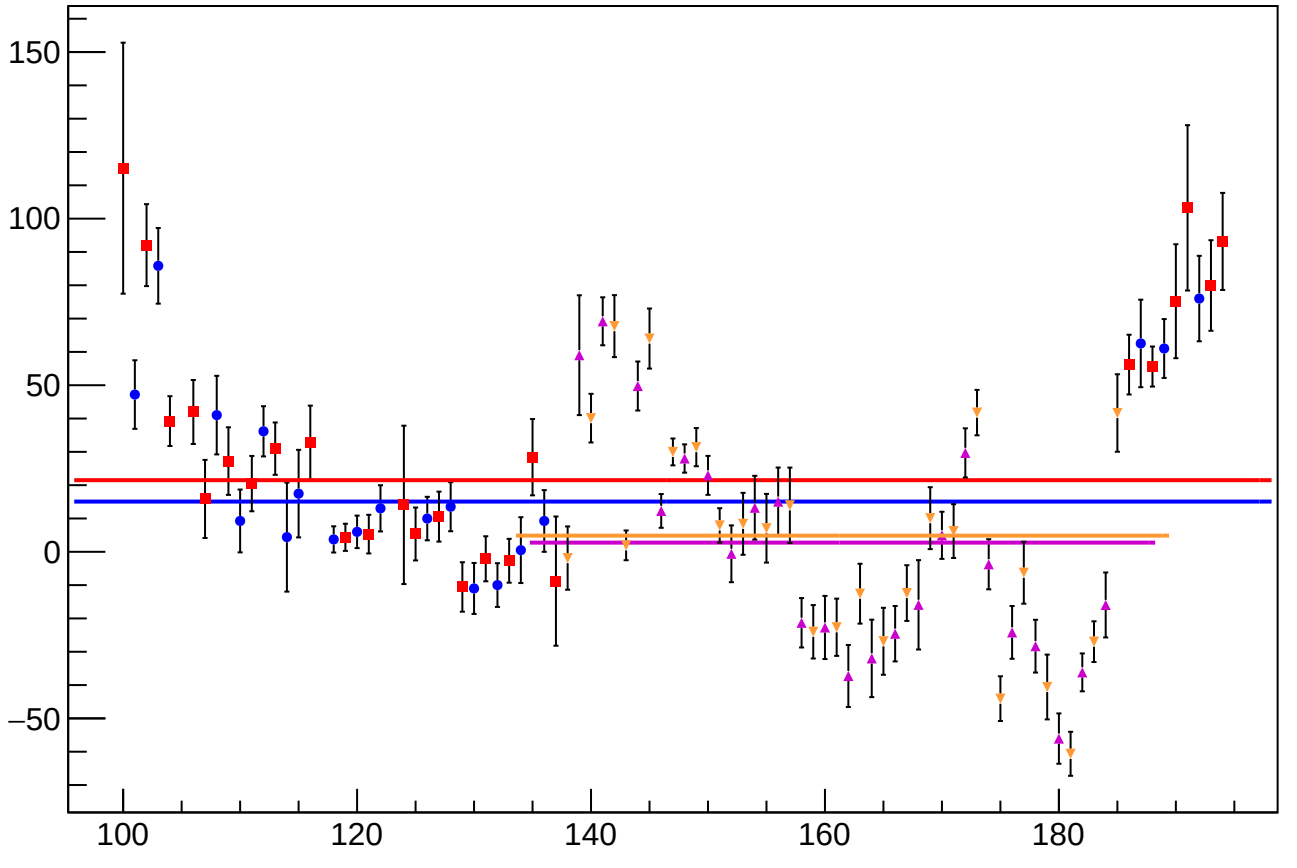
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -370.985+/-1.153 χ^2/NDF: 9025.4/43

In: -398.617+/-1.316 χ^2/NDF:7198.0/41

Out: -388.001+/-1.210 χ^2/NDF:13929.4/49

All: -392.866+/-0.891 χ^2/NDF: 21162.6/91



Right In: 15.077+/-1.770 χ^2/NDF: 166.1/18

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 21.495+/-1.700 χ^2/NDF: 241.9/24

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

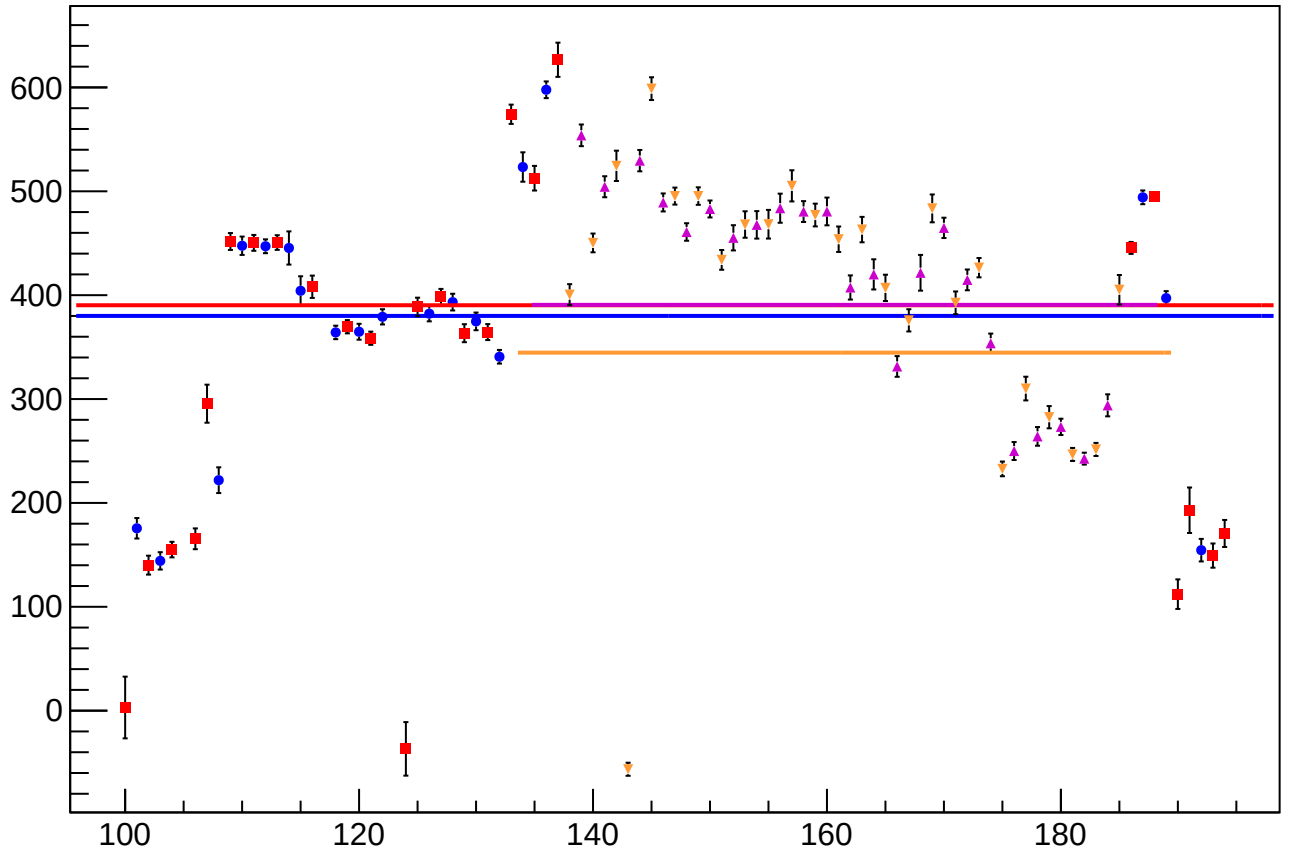
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 18.416+/-1.226 χ^2/NDF: 414.8/43

In: 8.120+/-1.168 χ^2/NDF:593.0/41

Out: 11.848+/-1.102 χ^2/NDF:754.7/49

All: 10.093+/-0.801 χ^2/NDF: 1353.1/91



Right In: 380.037+/-1.891 χ^2/NDF: 3189.6/18

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 390.307+/-1.639 χ^2/NDF: 5862.9/24

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

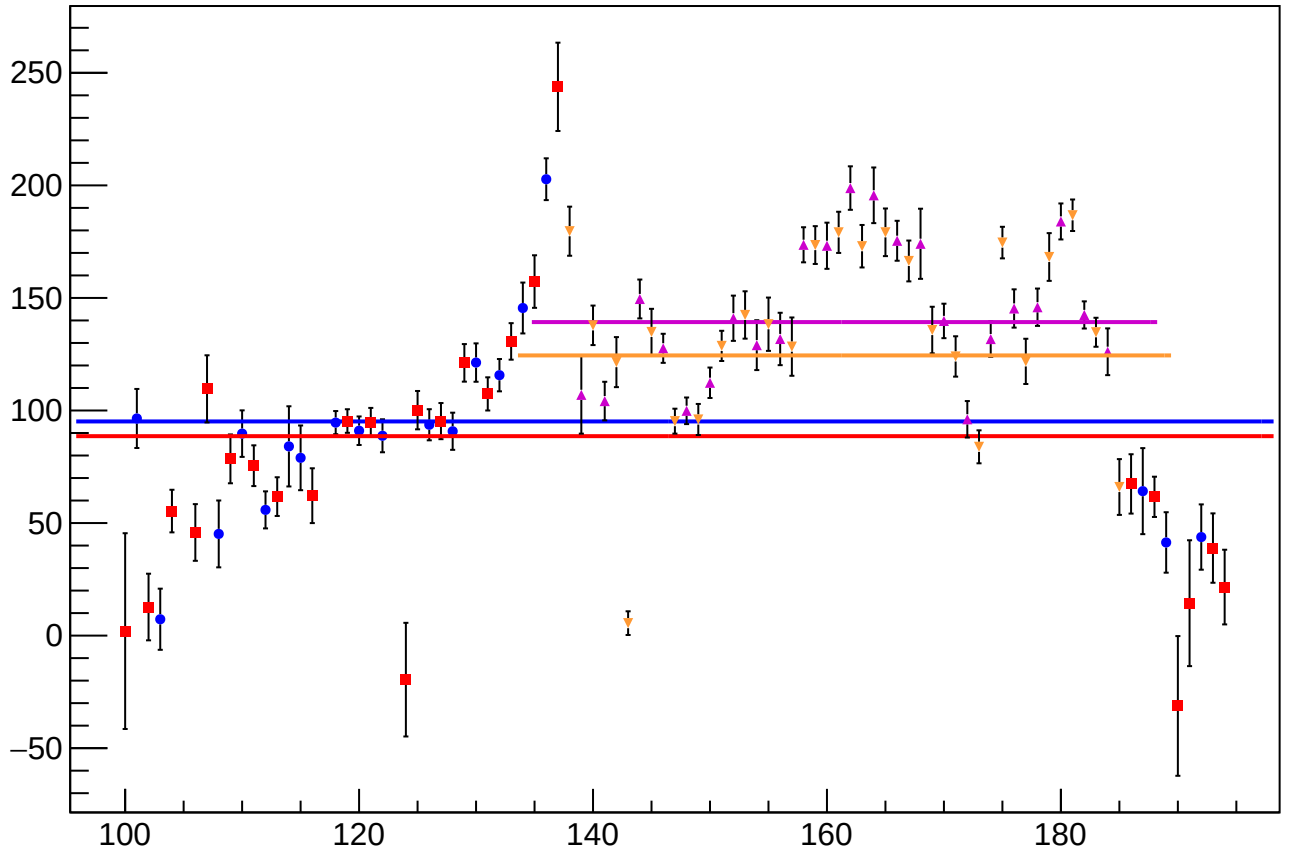
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 385.902+/-1.239 χ^2/NDF: 9069.3/43

In: 384.980+/-1.384 χ^2/NDF:5877.1/41

Out: 371.121+/-1.248 χ^2/NDF:13467.0/49

All: 377.336+/-0.927 χ^2/NDF: 19399.4/91



Right In: 95.139+/-2.083 χ^2/NDF: 282.5/18

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 88.598+/-2.012 χ^2/NDF: 303.4/24

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

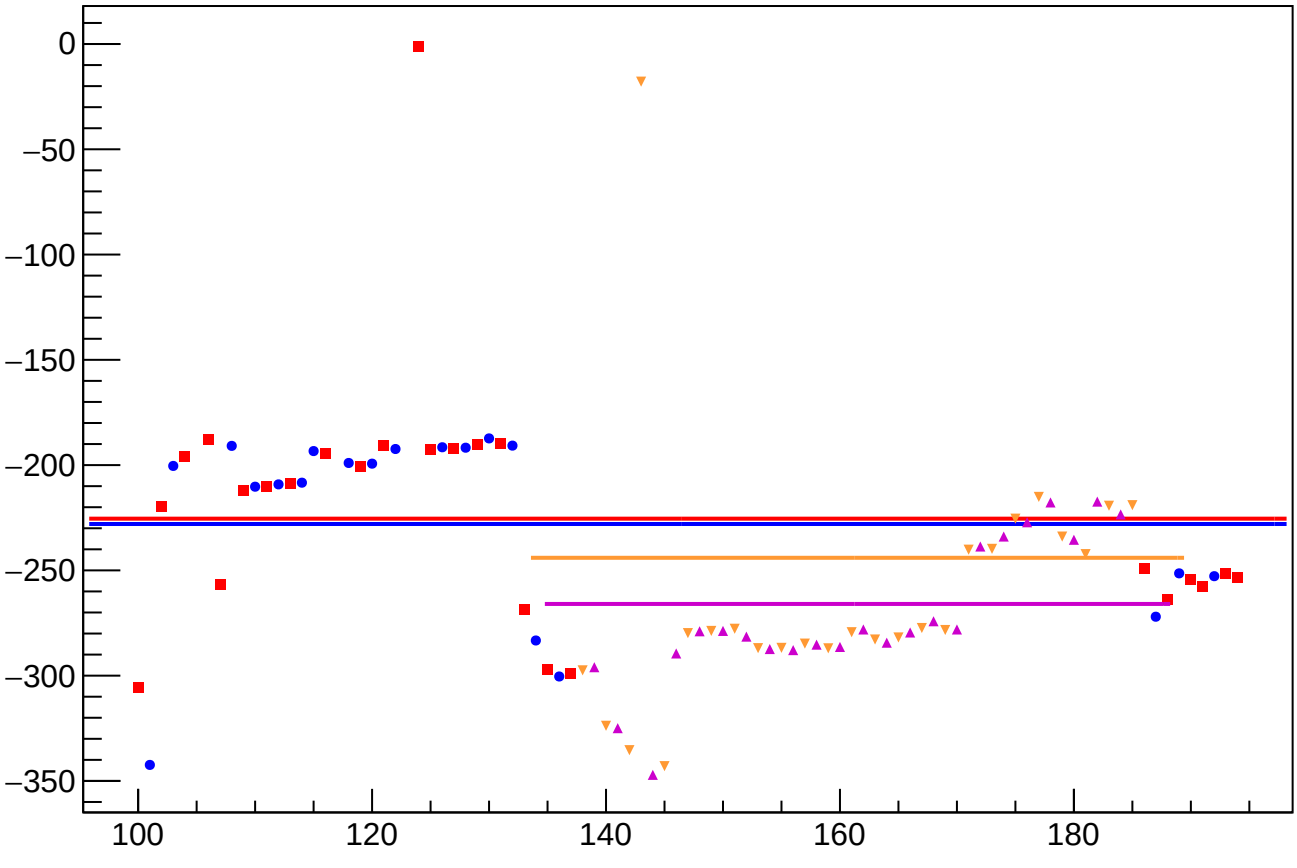
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 91.755+/-1.447 χ^2/NDF: 590.9/43

In: 120.772+/-1.348 χ^2/NDF:804.2/41

Out: 109.917+/-1.281 χ^2/NDF:1429.9/49

All: 115.068+/-0.929 χ^2/NDF: 2268.1/91



Right In: -227.974+/-0.128 χ^2/NDF: 128745.7/18

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -225.438+/-0.117 χ^2/NDF: 103572.5/24

Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

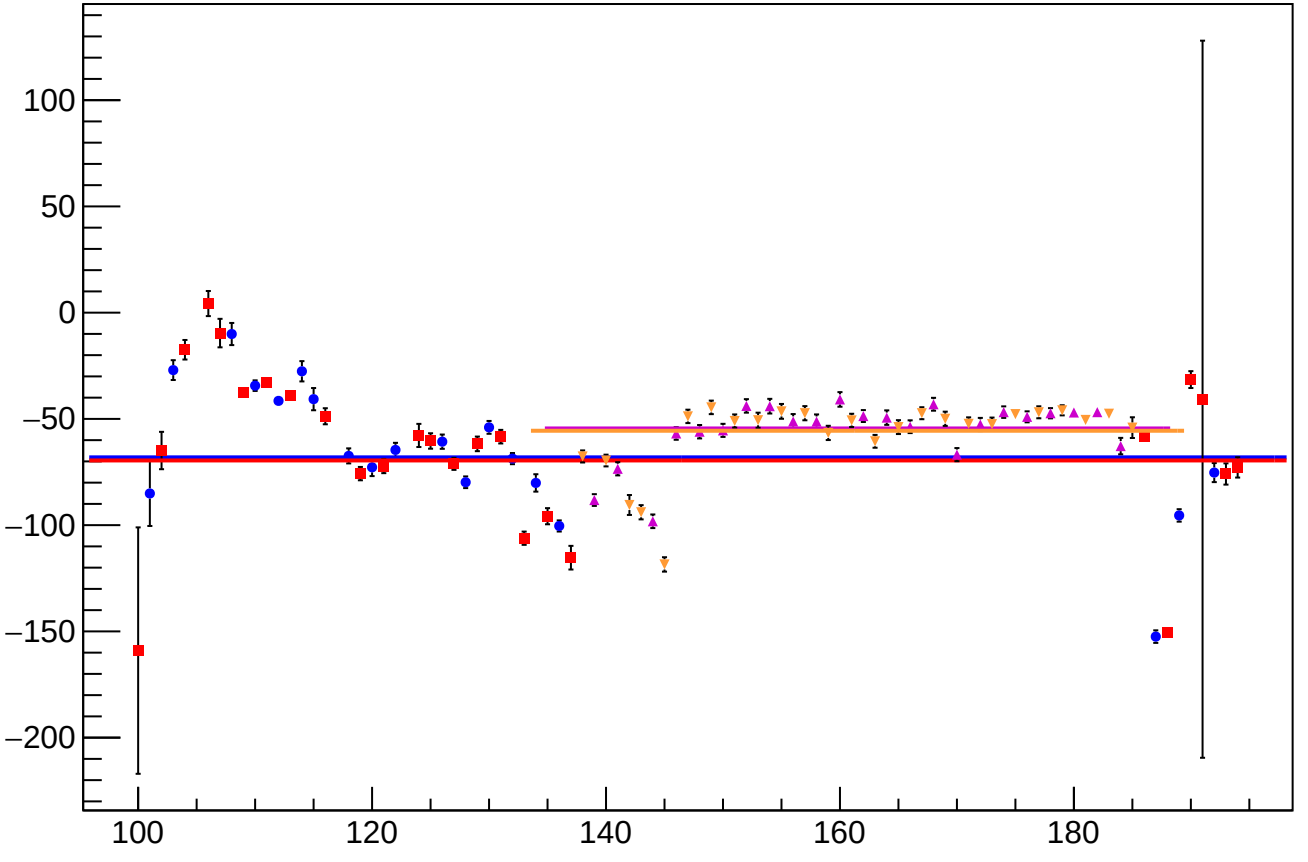
Right: -226.592+/-0.086 χ^2/NDF: 232531.3/43

In: -255.207+/-0.068 χ^2/NDF:361609.0/41

Out: -238.381+/-0.065 χ^2/NDF:1119057.0/49

All: -246.333+/-0.047 χ^2/NDF: 1512788.9/91

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -68.099+/-0.759 χ^2/NDF: 1750.4/18

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -69.549+/-0.645 χ^2/NDF: 3714.0/24

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

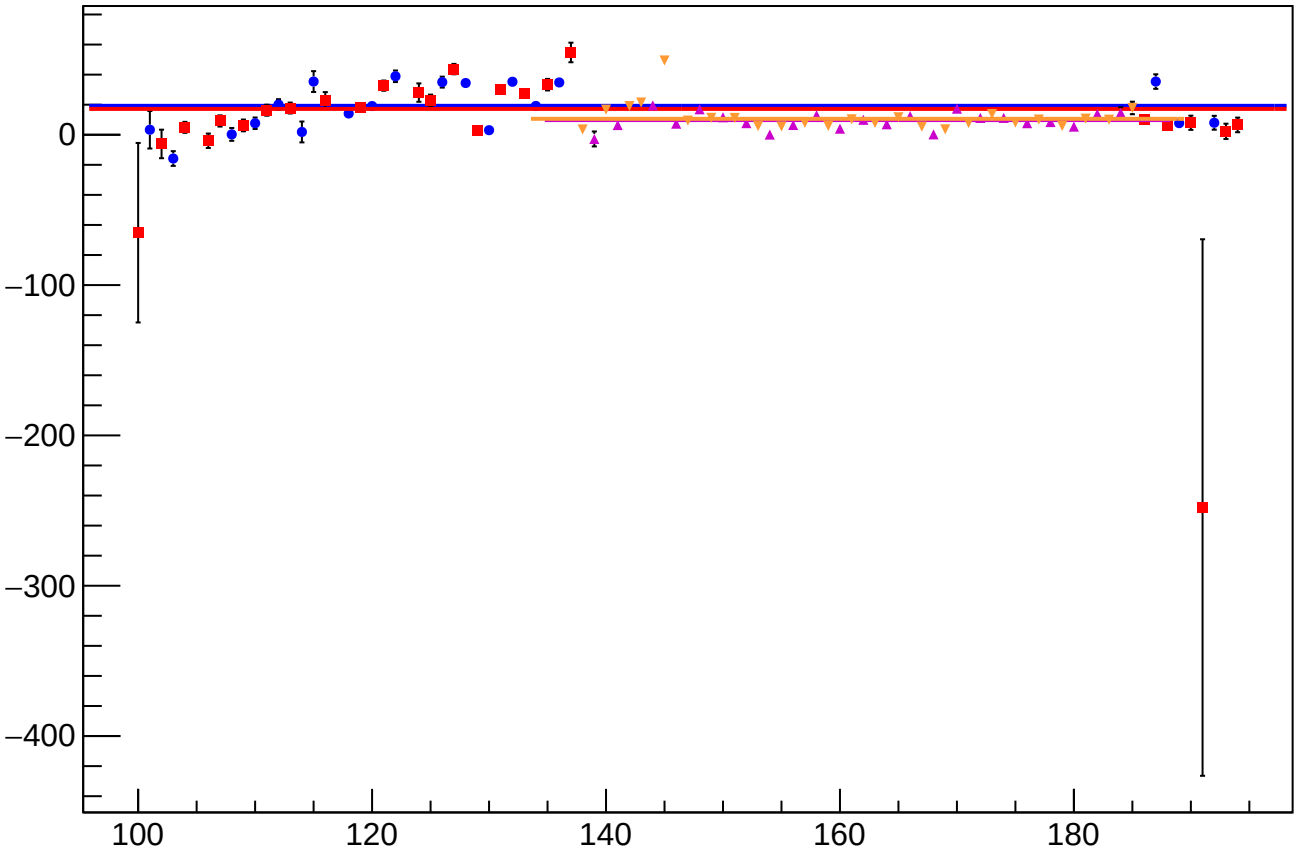
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -68.940+/-0.492 χ^2/NDF: 5466.6/43

In: -59.794+/-0.474 χ^2/NDF:2446.8/41

Out: -61.937+/-0.435 χ^2/NDF:4655.8/49

All: -60.956+/-0.321 χ^2/NDF: 7113.7/91



Right In: 19.241+/-0.813 χ^2/NDF: 277.6/18

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 17.198+/-0.724 χ^2/NDF: 292.8/24

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

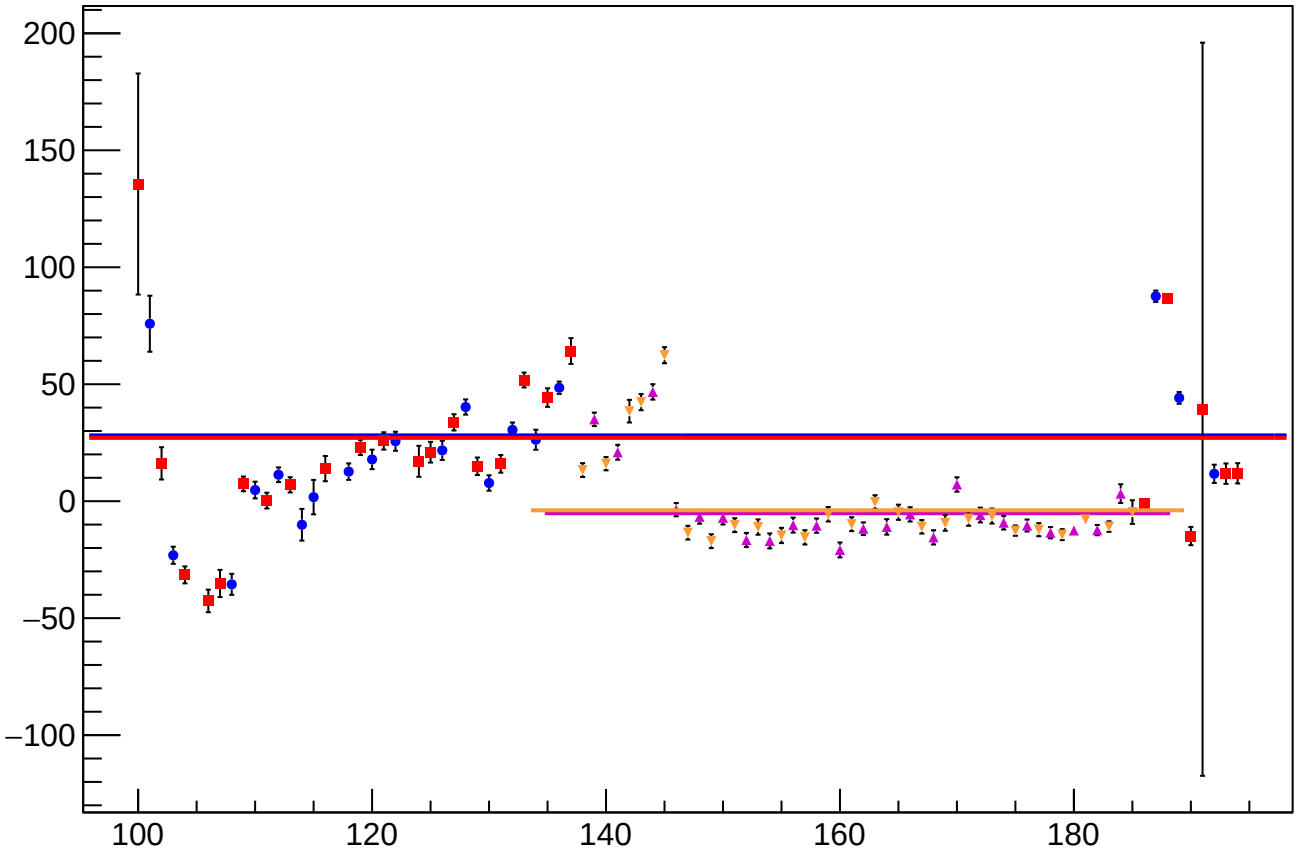
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

Right: 18.101+/-0.540 χ^2/NDF: 573.9/43

In: 12.117+/-0.405 χ^2/NDF:500.8/41

Out: 12.438+/-0.382 χ^2/NDF:607.9/49

All: 12.287+/-0.278 χ^2/NDF: 1109.0/91



Right In: 28.134+/-0.820 χ^2/NDF: 1325.8/18

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 27.066+/-0.656 χ^2/NDF: 3279.2/24

Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

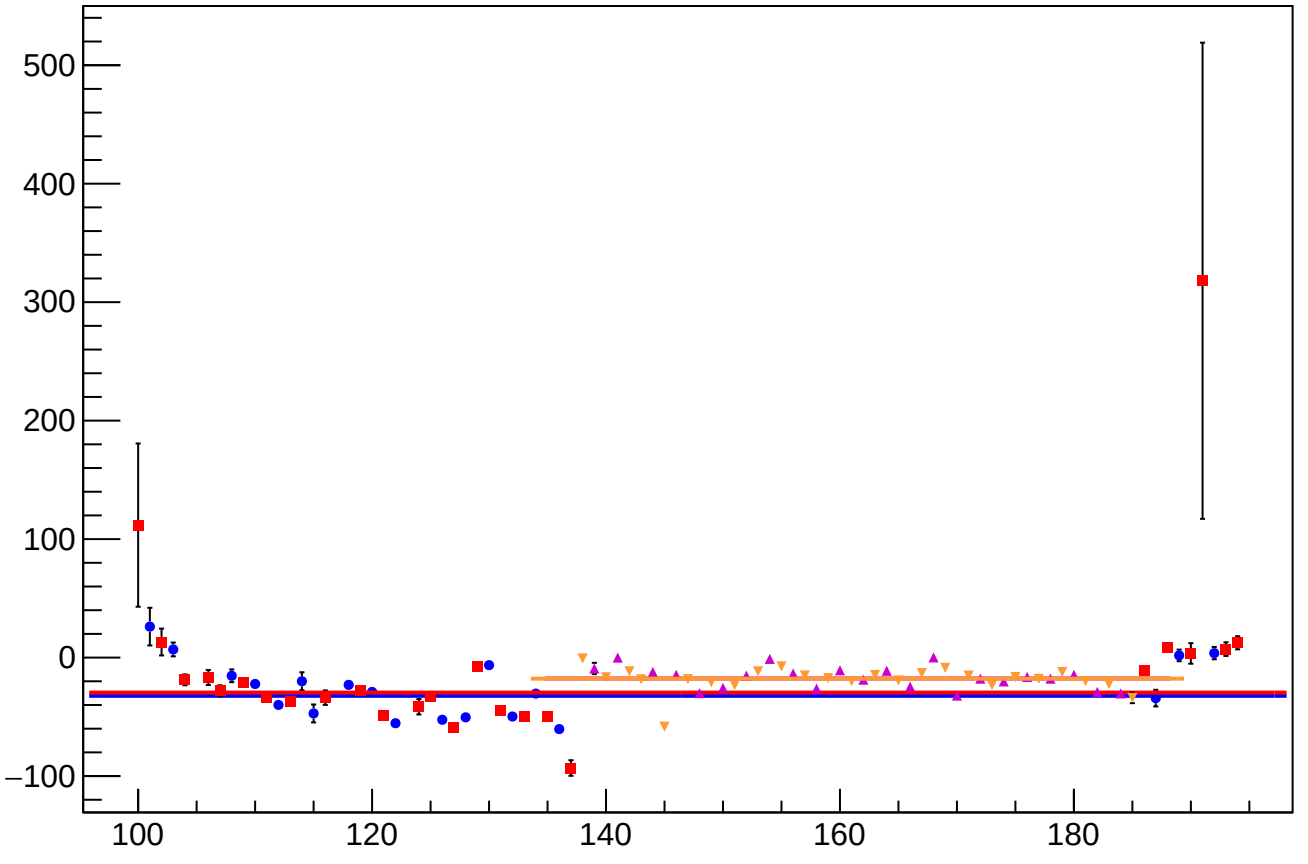
Left: -4.494+/-0.419 χ^2/NDF: 1502.0/47

Right: 27.482+/-0.512 χ^2/NDF: 4606.0/43

In: 6.461+/-0.484 χ^2/NDF:3047.1/41

Out: 9.831+/-0.437 χ^2/NDF:5370.8/49

All: 8.319+/-0.324 χ^2/NDF: 8444.7/91



Right In: -32.250+/-0.946 χ^2/NDF: 449.8/18

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -29.534+/-0.872 χ^2/NDF: 625.9/24

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

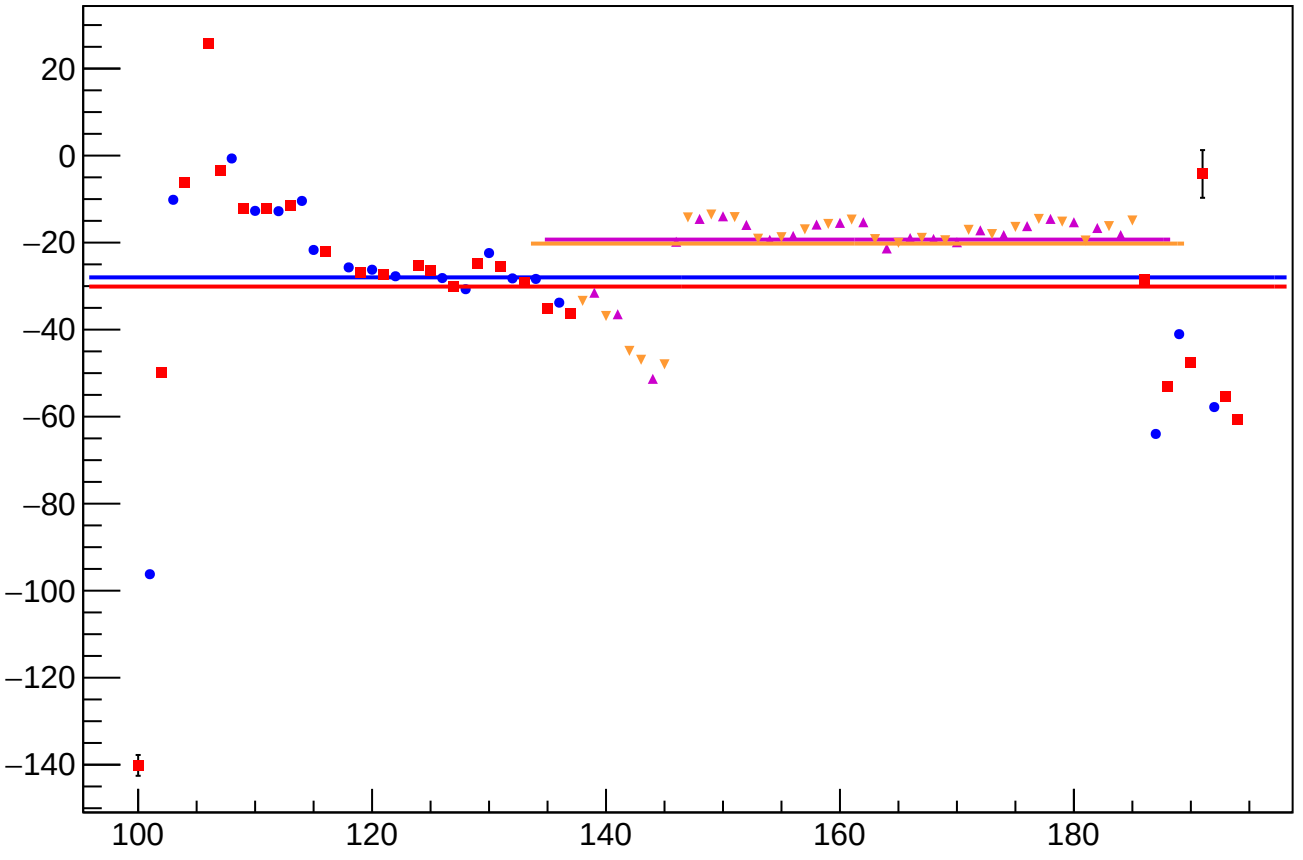
Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

Right: -30.782+/-0.641 χ^2/NDF: 1080.2/43

In: -21.094+/-0.460 χ^2/NDF:918.0/41

Out: -20.762+/-0.439 χ^2/NDF:1013.1/49

All: -20.921+/-0.318 χ^2/NDF: 1931.3/91



Right In: -27.990+/-0.053 χ^2/NDF: 101135.0/18

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -30.103+/-0.049 χ^2/NDF: 193754.4/24

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

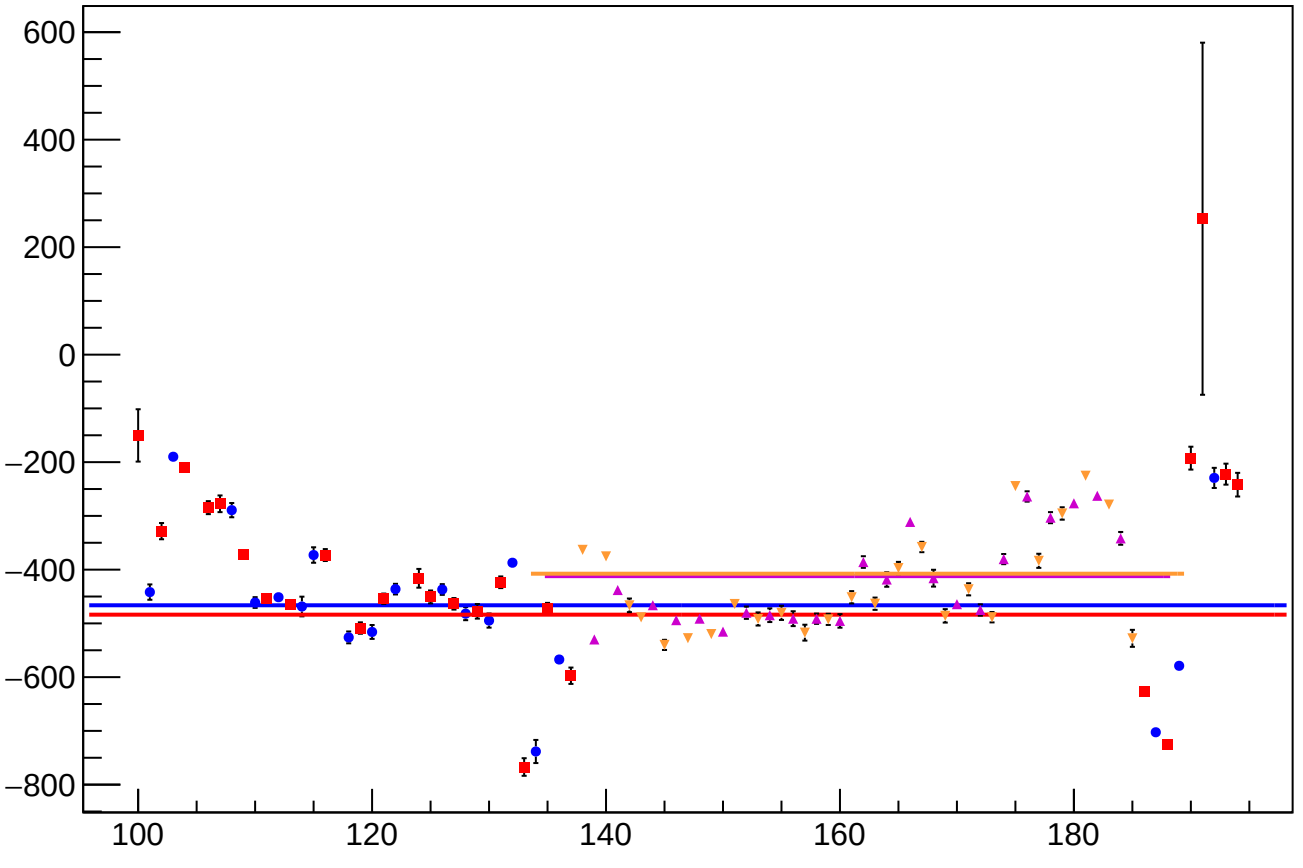
Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

Right: -29.124+/-0.036 χ^2/NDF: 295755.9/43

In: -20.730+/-0.021 χ^2/NDF:217006.2/41

Out: -22.000+/-0.021 χ^2/NDF:374627.3/49

All: -21.383+/-0.015 χ^2/NDF: 593462.3/91



Right In: -466.291+/-2.462 χ^2/NDF: 2622.6/18

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -483.759+/-2.118 χ^2/NDF: 5716.5/24

Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

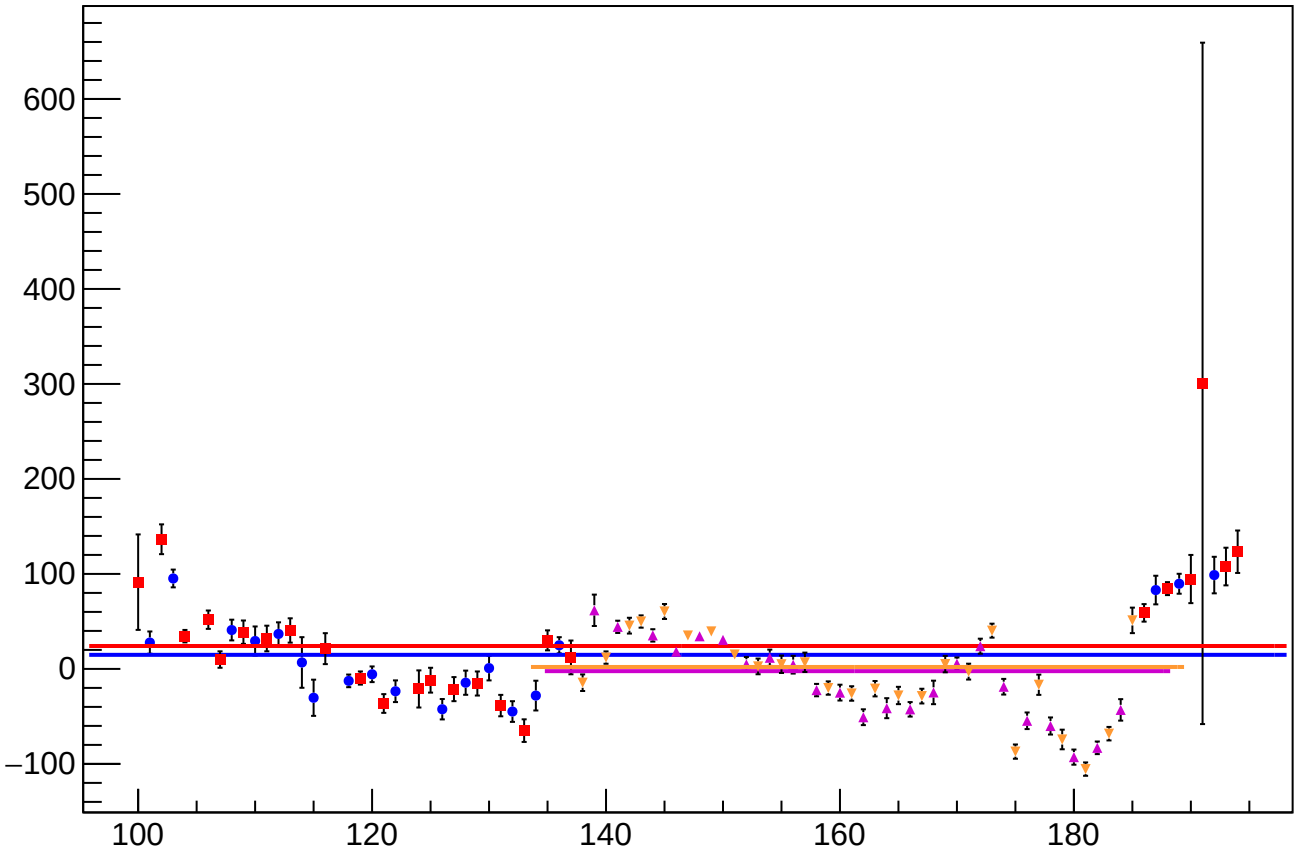
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -476.329+/-1.606 χ^2/NDF: 8368.0/43

In: -433.751+/-1.556 χ^2/NDF:5095.8/41

Out: -442.526+/-1.435 χ^2/NDF:9289.2/49

All: -438.493+/-1.055 χ^2/NDF: 14402.2/91



Right In: 14.812+/-2.577 χ^2/NDF: 289.4/18

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 24.118+/-2.280 χ^2/NDF: 393.3/24

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

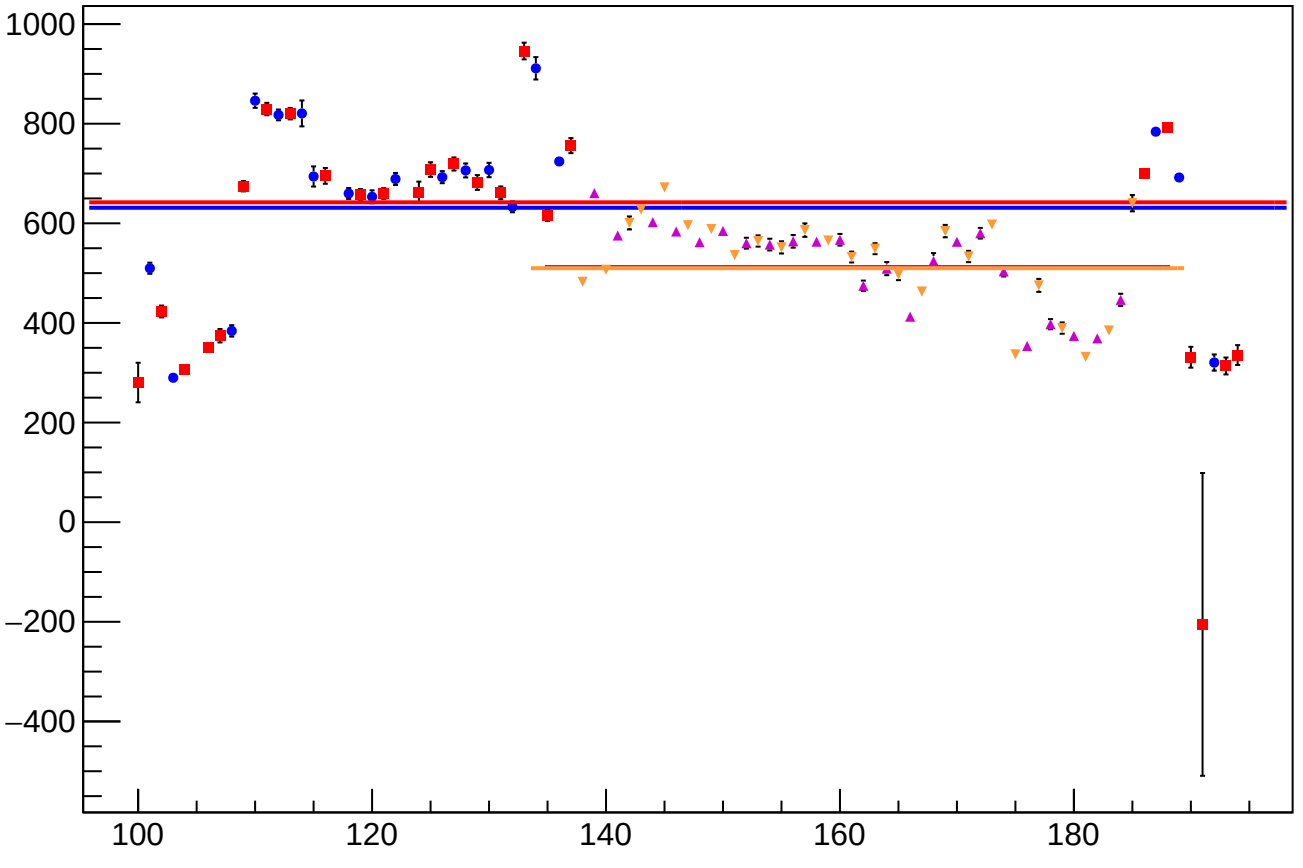
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 20.033+/-1.708 χ^2/NDF: 690.0/43

In: 1.905+/-1.285 χ^2/NDF:1056.2/41

Out: 8.245+/-1.209 χ^2/NDF:1371.4/49

All: 5.268+/-0.881 χ^2/NDF: 2440.5/91



Right In: 631.246+/-2.523 χ^2/NDF: 4769.6/18

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 642.137+/-2.078 χ^2/NDF: 7730.2/24

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

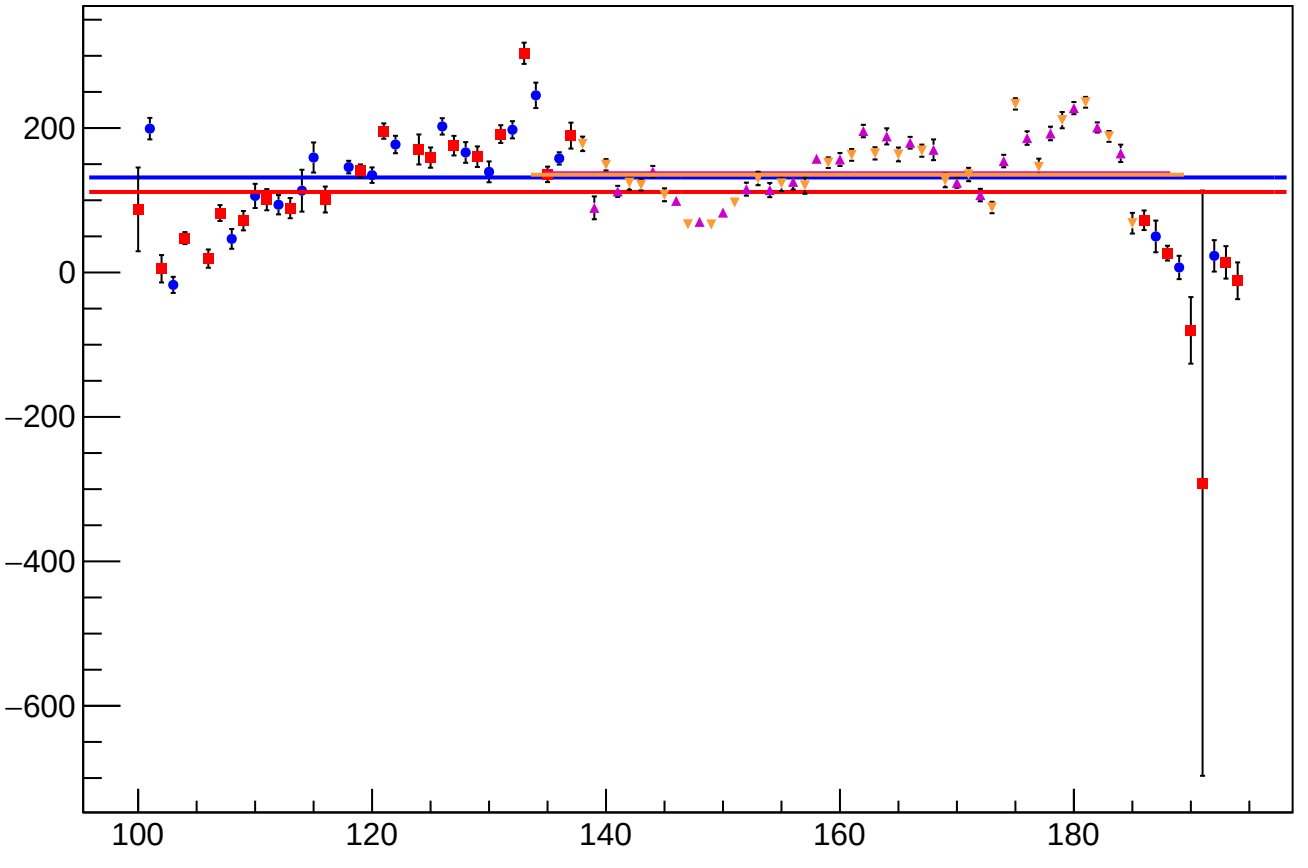
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 637.736+/-1.604 χ^2/NDF: 12511.0/43

In: 557.725+/-1.559 χ^2/NDF:8231.4/41

Out: 571.355+/-1.416 χ^2/NDF:12561.2/49

All: 565.195+/-1.048 χ^2/NDF: 20834.4/91



Right In: 131.578+/-3.033 χ^2/NDF: 491.2/18

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 111.482+/-2.757 χ^2/NDF: 664.9/24

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

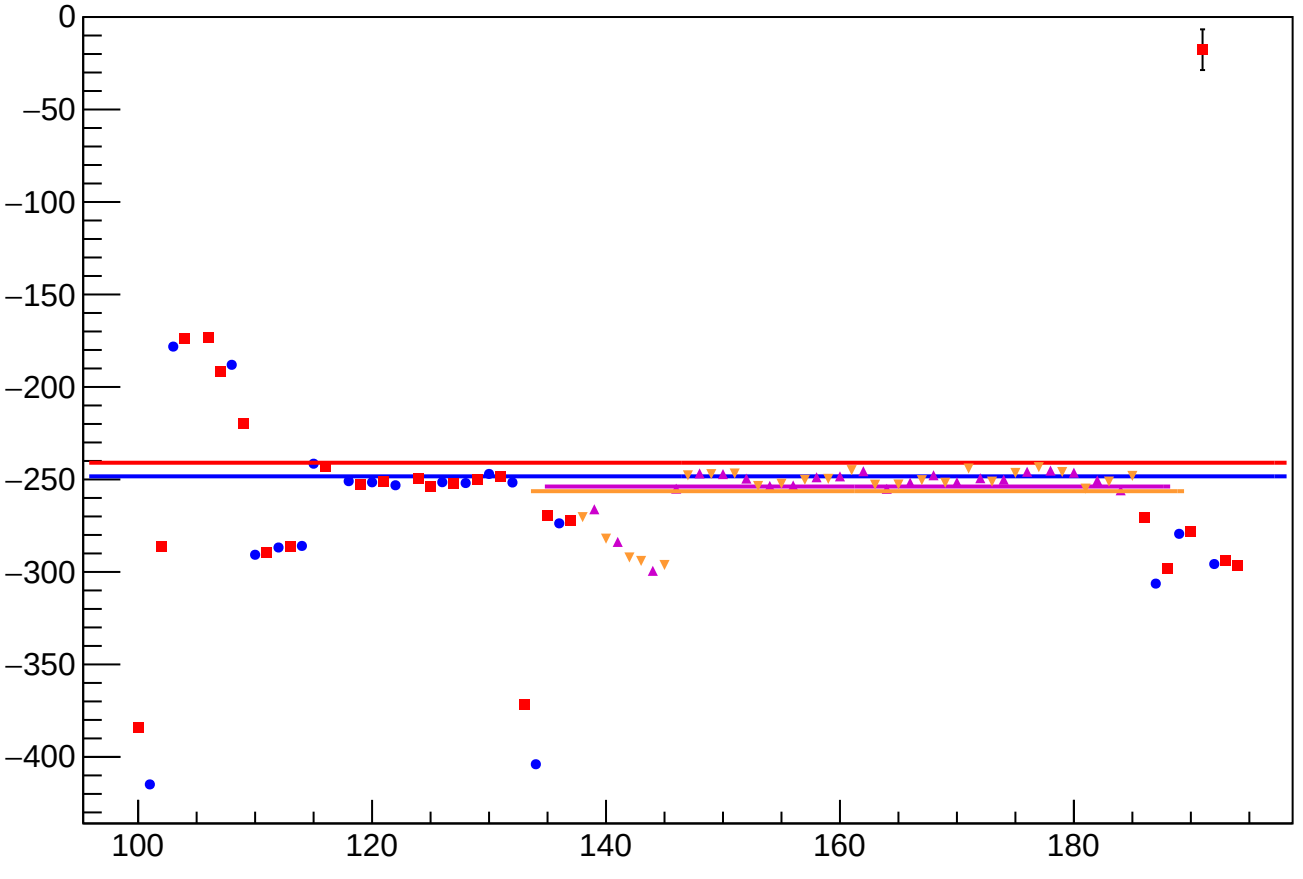
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 120.573+/-2.040 χ^2/NDF: 1180.1/43

In: 135.985+/-1.484 χ^2/NDF:1199.9/41

Out: 129.103+/-1.415 χ^2/NDF:1643.5/49

All: 132.380+/-1.024 χ^2/NDF: 2854.7/91



Right In: -248.316+/-0.154 χ^2/NDF: 182999.7/18

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -240.957+/-0.143 χ^2/NDF: 130954.1/24

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

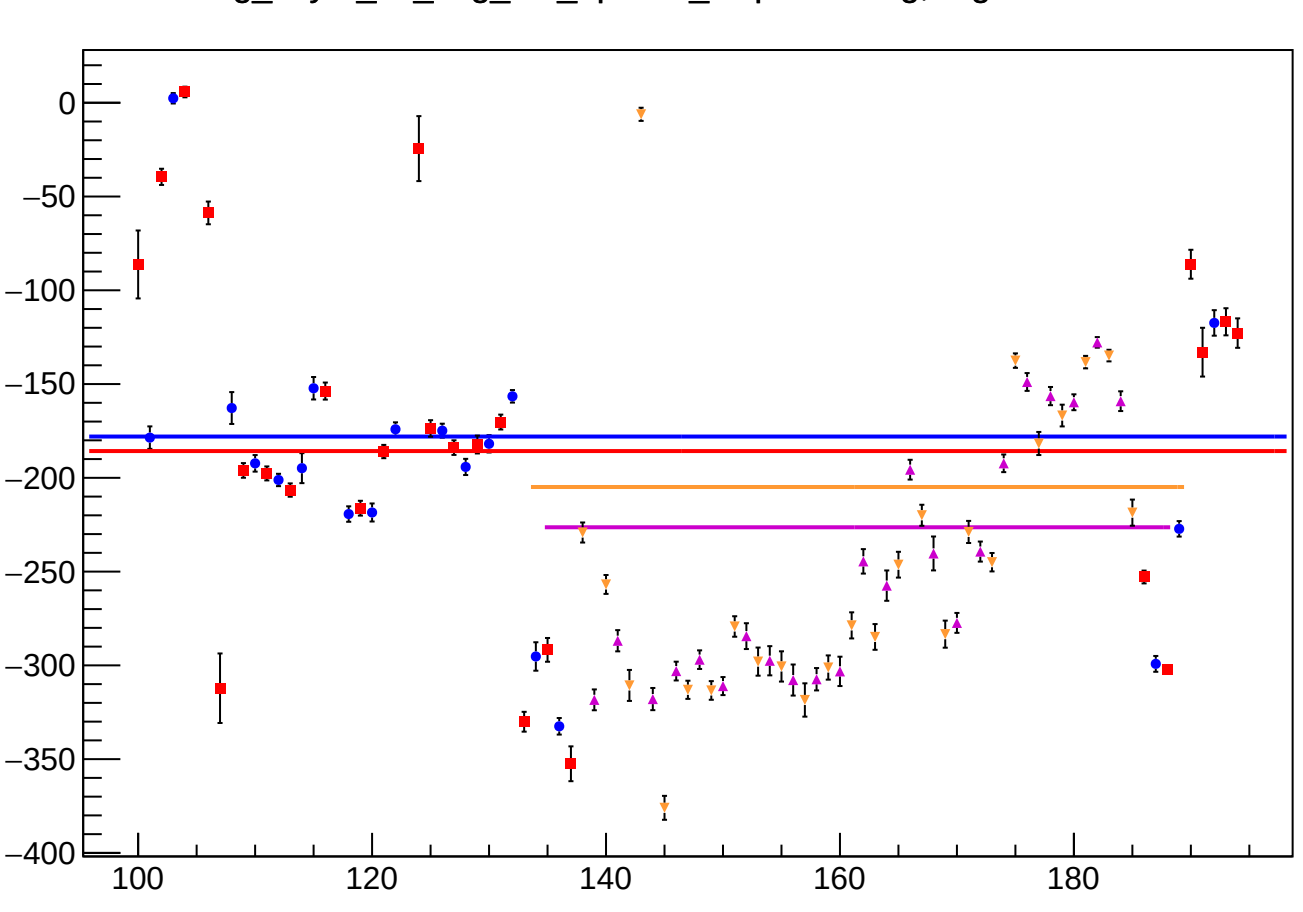
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -244.367+/-0.105 χ^2/NDF: 315182.2/43

In: -252.695+/-0.069 χ^2/NDF:208095.3/41

Out: -252.883+/-0.068 χ^2/NDF:179449.4/49

All: -252.791+/-0.049 χ^2/NDF: 387548.4/91



Right In: -177.983+/-1.000 χ^2/NDF: 7034.5/18

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -185.727+/-0.891 χ^2/NDF: 11182.7/24

Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

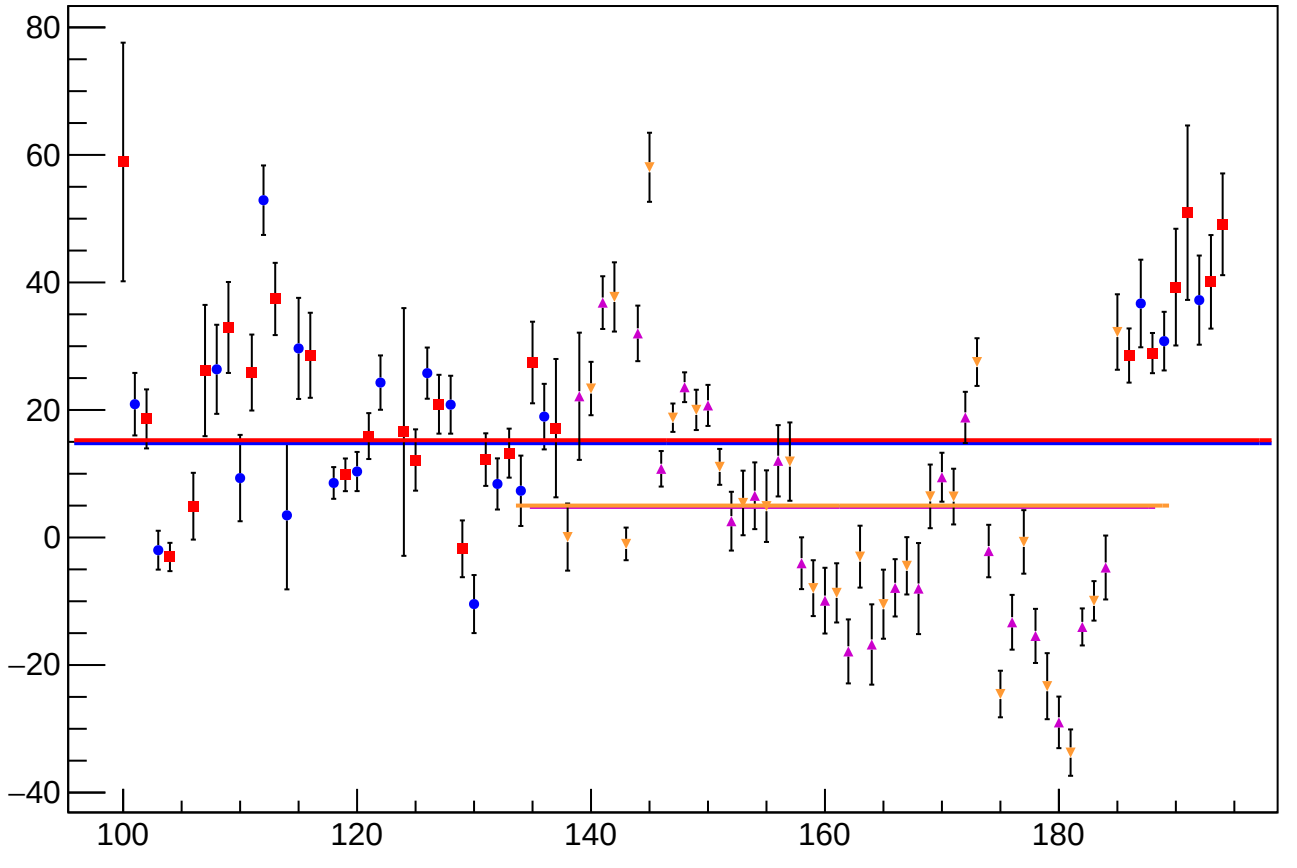
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -182.298+/-0.665 χ^2/NDF: 18250.6/43

In: -199.763+/-0.741 χ^2/NDF:12307.6/41

Out: -193.737+/-0.680 χ^2/NDF:19202.2/49

All: -196.490+/-0.501 χ^2/NDF: 31545.7/91



Right In: 14.789+/-1.025 χ^2/NDF: 179.6/18

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 15.254+/-0.936 χ^2/NDF: 205.1/24

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

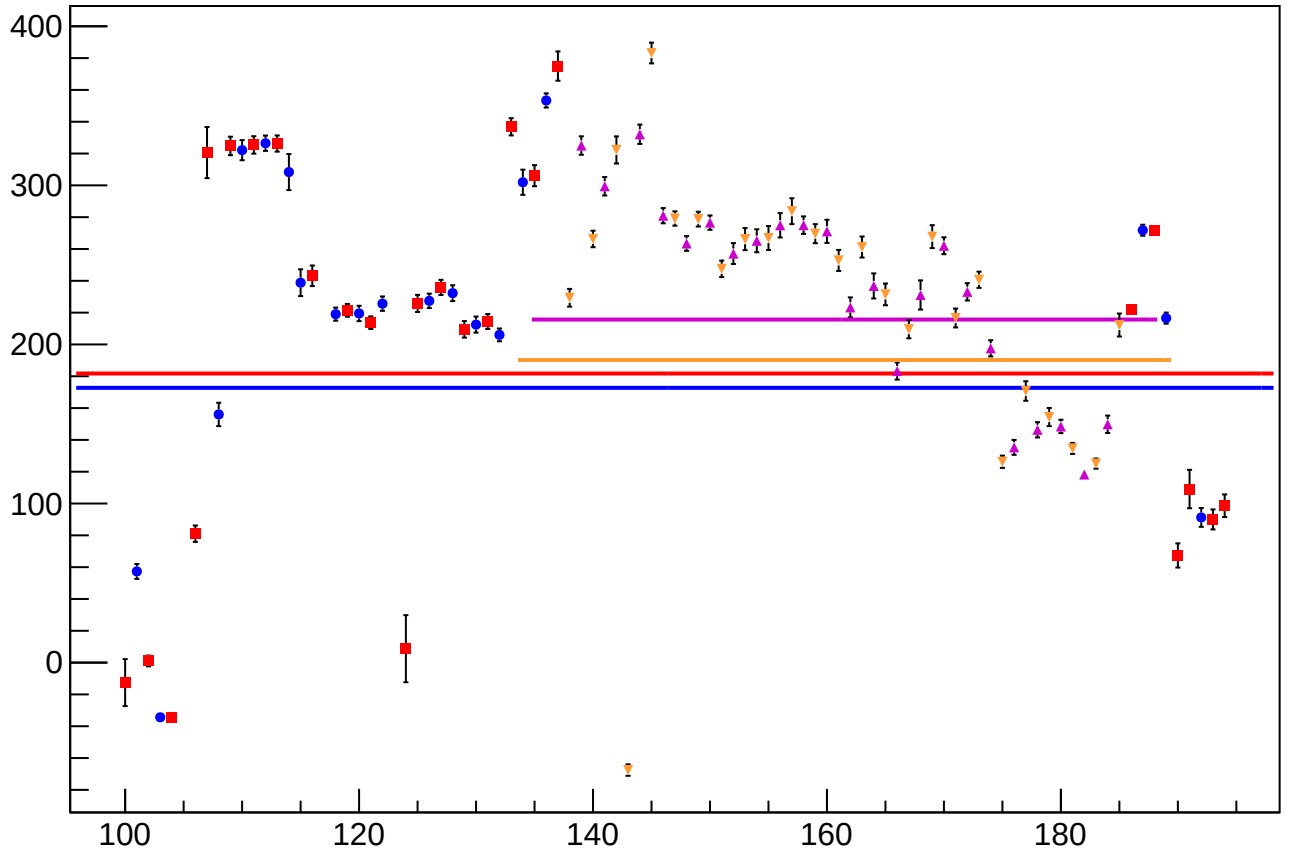
Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

Right: 15.043+/-0.691 χ^2/NDF: 384.7/43

In: 8.850+/-0.653 χ^2/NDF:662.4/41

Out: 9.288+/-0.605 χ^2/NDF:823.3/49

All: 9.085+/-0.444 χ^2/NDF: 1485.9/91



Right In: 172.732+/-1.018 χ^2/NDF: 15229.6/18

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 181.734+/-0.870 χ^2/NDF: 20339.5/24

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

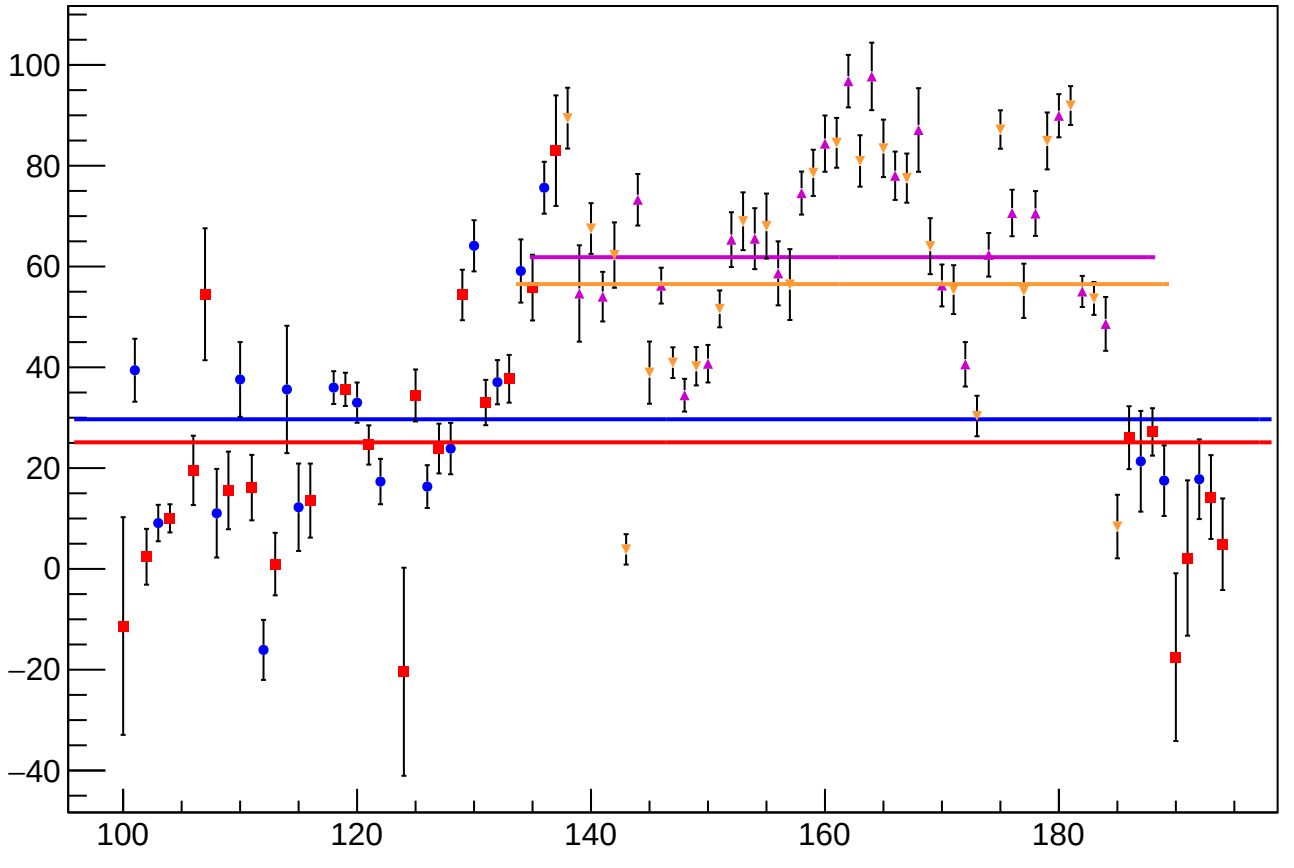
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 177.934+/-0.662 χ^2/NDF: 35614.3/43

In: 192.569+/-0.747 χ^2/NDF:19936.8/41

Out: 185.190+/-0.670 χ^2/NDF:29762.2/49

All: 188.481+/-0.499 χ^2/NDF: 49753.1/91



Right In: 29.689+/-1.211 χ^2/NDF: 283.4/18

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 25.115+/-1.129 χ^2/NDF: 203.9/24

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

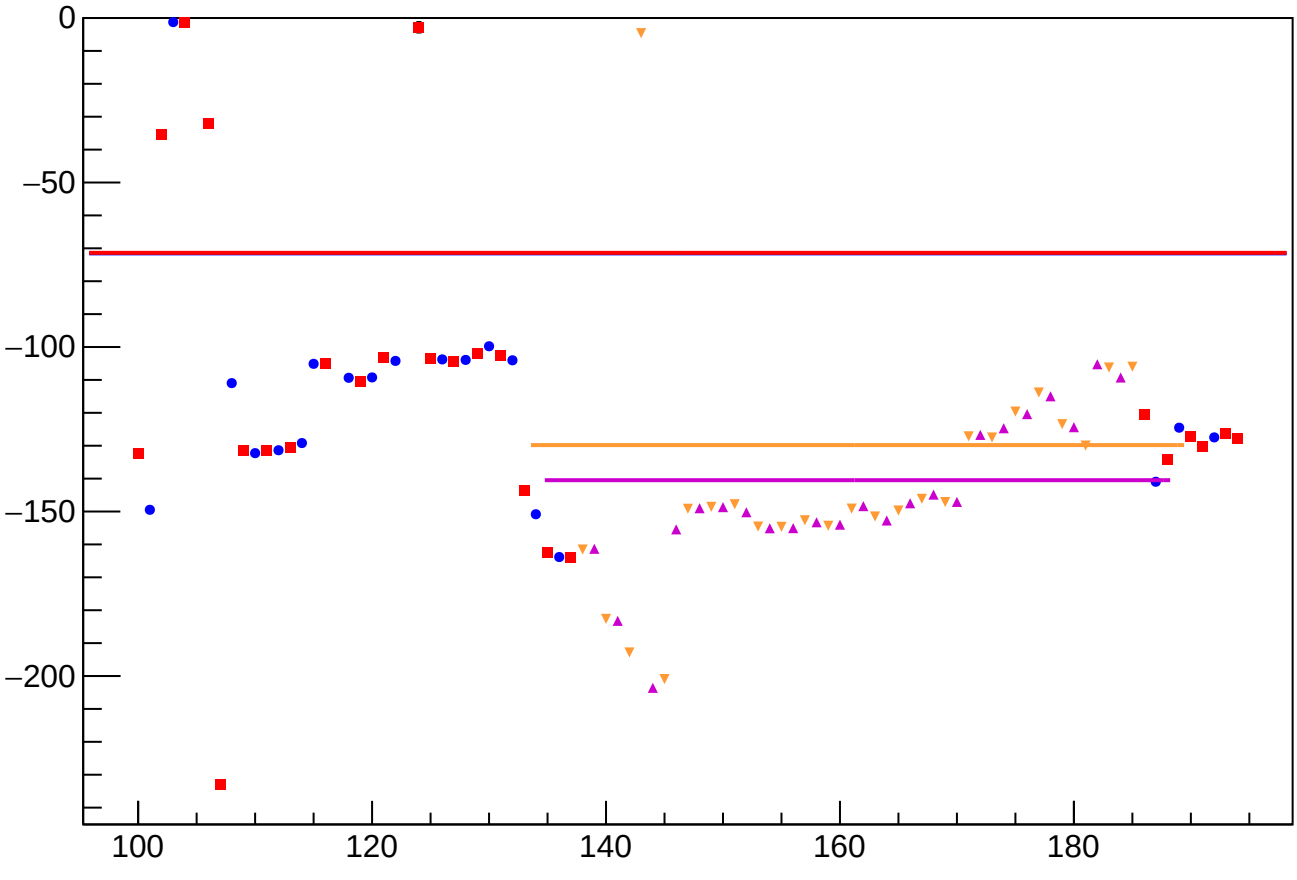
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 27.241+/-0.826 χ^2/NDF: 494.8/43

In: 49.418+/-0.753 χ^2/NDF:1036.6/41

Out: 44.162+/-0.708 χ^2/NDF:1472.1/49

All: 46.628+/-0.516 χ^2/NDF: 2534.6/91



Right In: -71.537+/-0.060 χ^2/NDF: 1150842.4/18

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -71.378+/-0.056 χ^2/NDF: 1125496.4/24

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

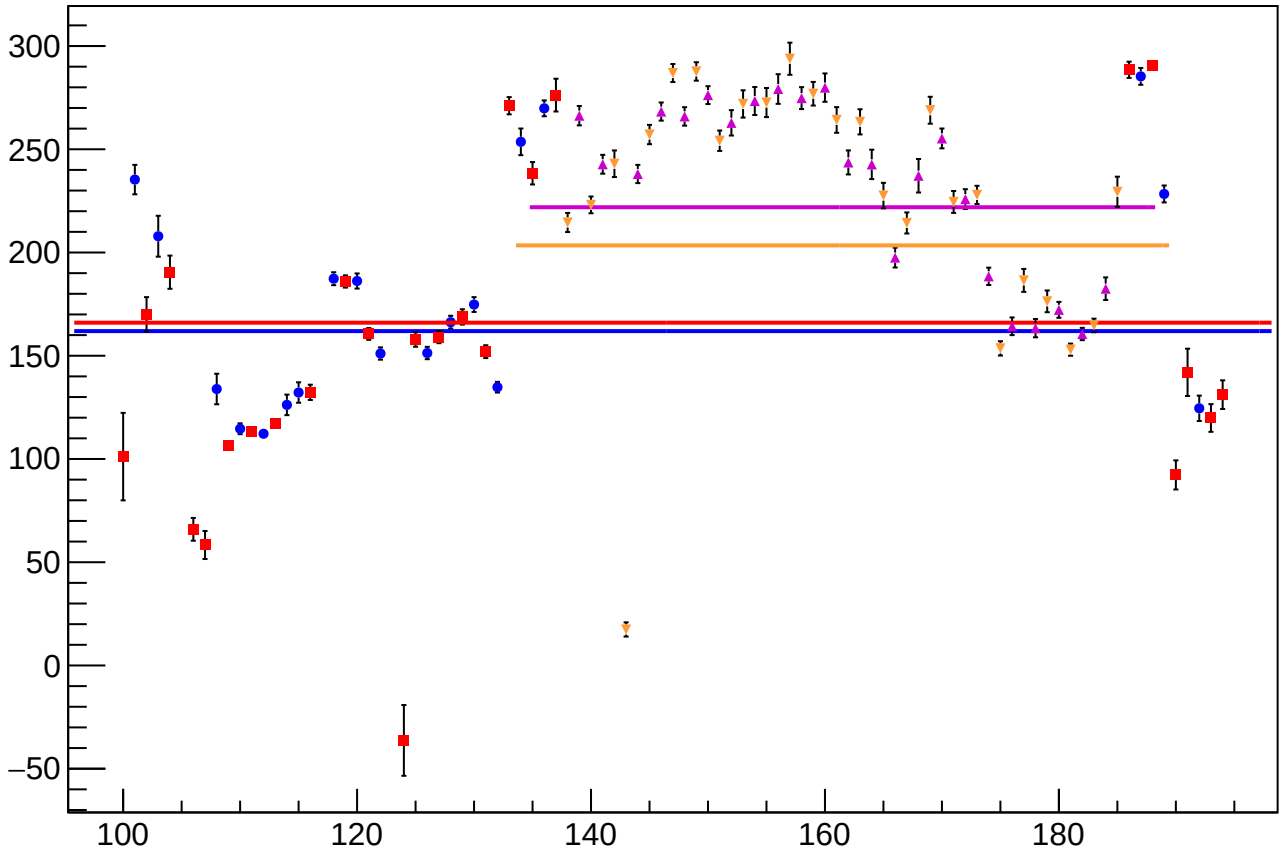
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -71.451+/-0.041 χ^2/NDF: 2276342.5/43

In: -116.737+/-0.035 χ^2/NDF:2263784.4/41

Out: -108.631+/-0.034 χ^2/NDF:2846727.1/49

All: -112.486+/-0.024 χ^2/NDF: 5138075.7/91



Right In: 161.932+/-0.825 χ^2/NDF: 3576.5/18

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 166.016+/-0.743 χ^2/NDF: 8021.6/24

Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

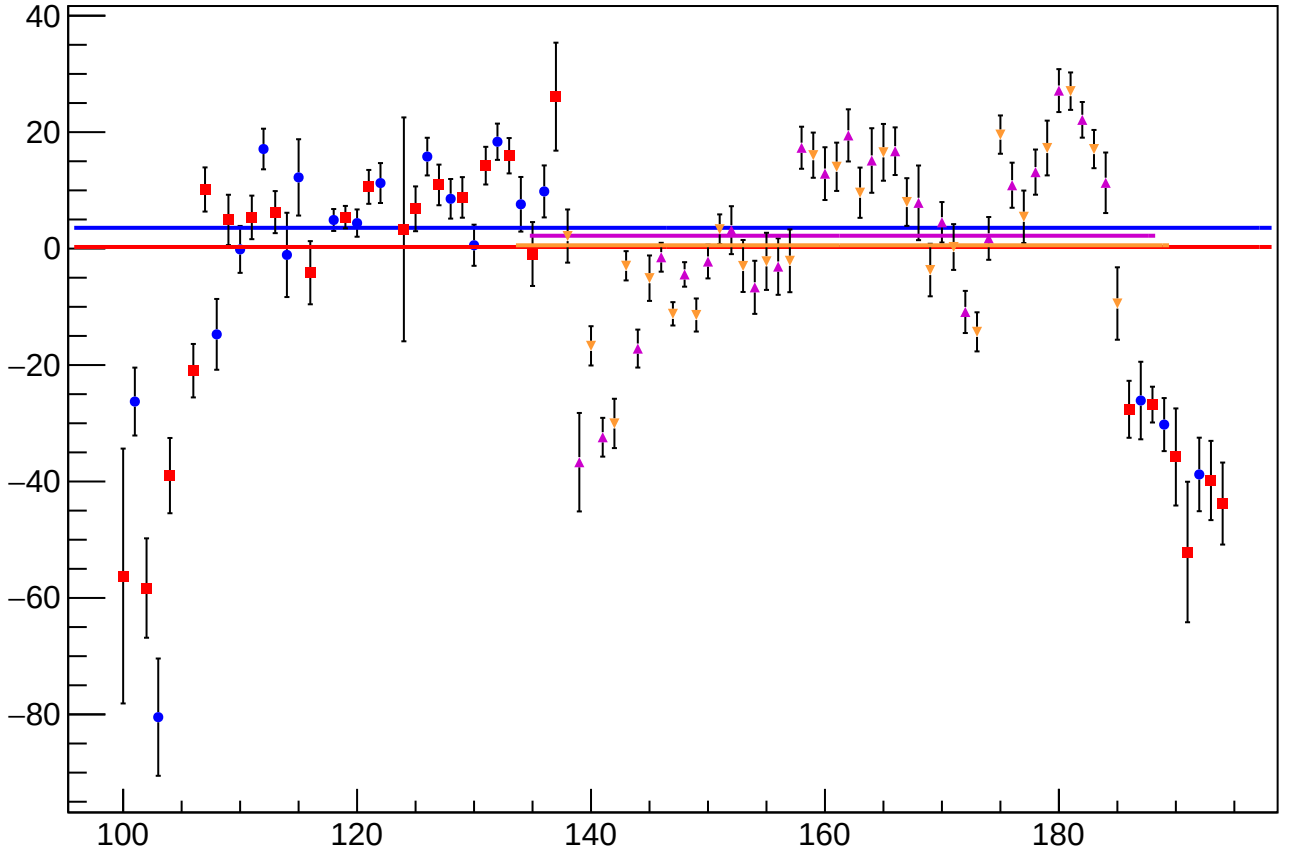
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 164.186+/-0.552 χ^2/NDF: 11611.7/43

In: 186.137+/-0.637 χ^2/NDF:7697.6/41

Out: 180.172+/-0.586 χ^2/NDF:14472.9/49

All: 182.906+/-0.431 χ^2/NDF: 22218.0/91



Right In: 3.568+/-0.858 χ^2/NDF: 290.8/18

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: 0.277+/-0.823 χ^2/NDF: 437.7/24

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

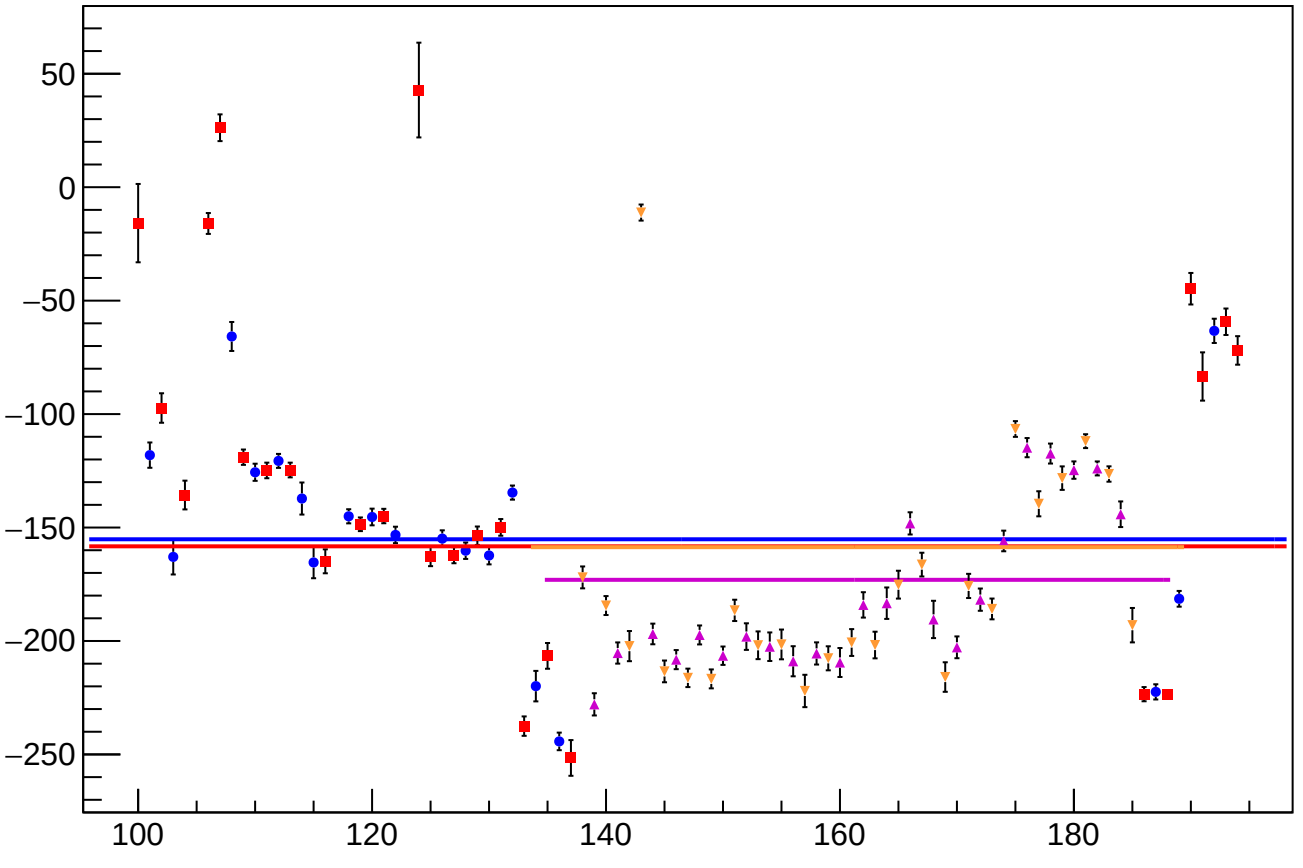
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: 1.855+/-0.594 χ^2/NDF: 736.2/43

In: 2.807+/-0.569 χ^2/NDF:650.4/41

Out: 0.443+/-0.540 χ^2/NDF:783.2/49

All: 1.564+/-0.392 χ^2/NDF: 1442.7/91



Right In: -155.172+/-0.929 χ^2/NDF: 1880.3/18

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -158.280+/-0.811 χ^2/NDF: 5734.9/24

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

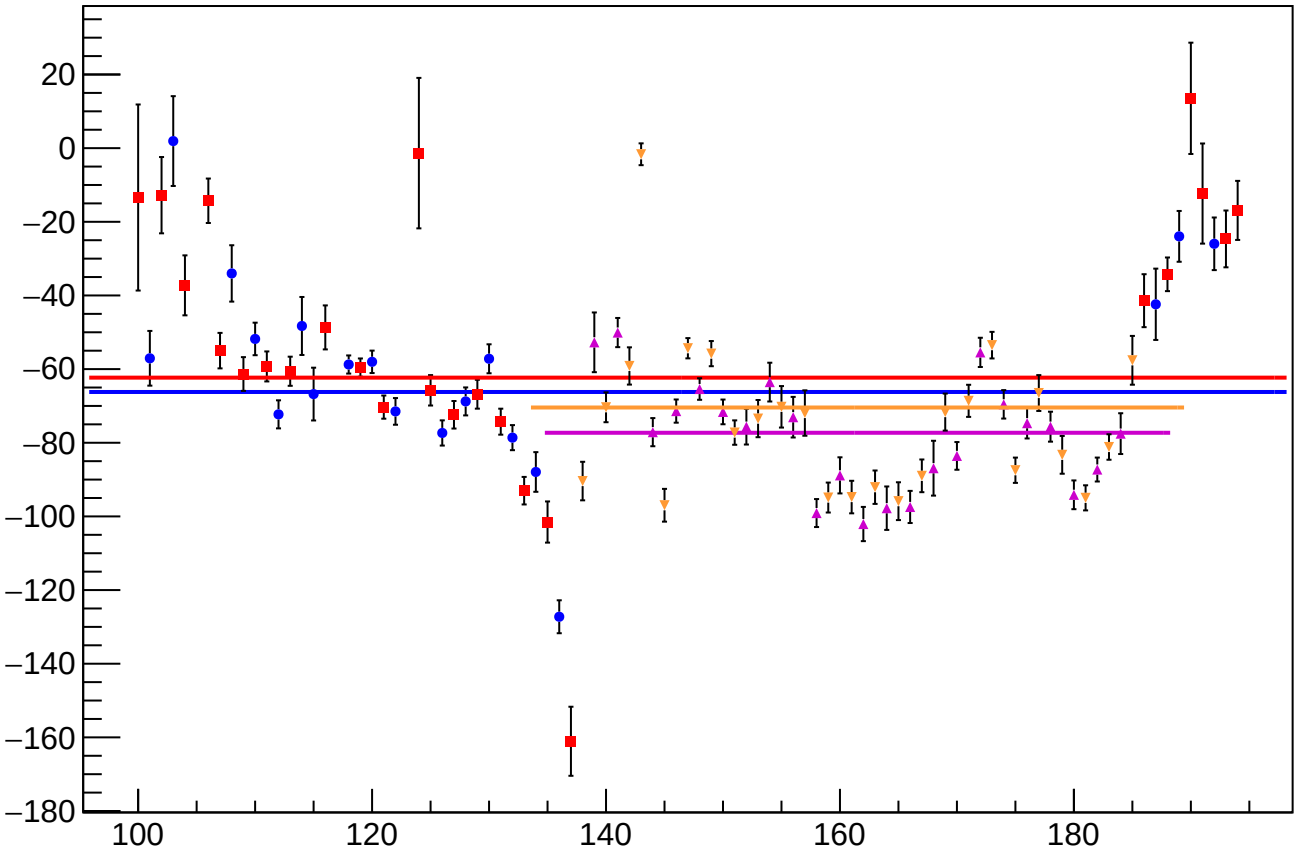
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -156.937+/-0.611 χ^2/NDF: 7621.6/43

In: -163.494+/-0.679 χ^2/NDF:3452.4/41

Out: -158.439+/-0.617 χ^2/NDF:9226.8/49

All: -160.723+/-0.457 χ^2/NDF: 12709.6/91



Right In: -66.211+/-1.006 χ^2/NDF: 394.7/18

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -62.316+/-0.970 χ^2/NDF: 513.4/24

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

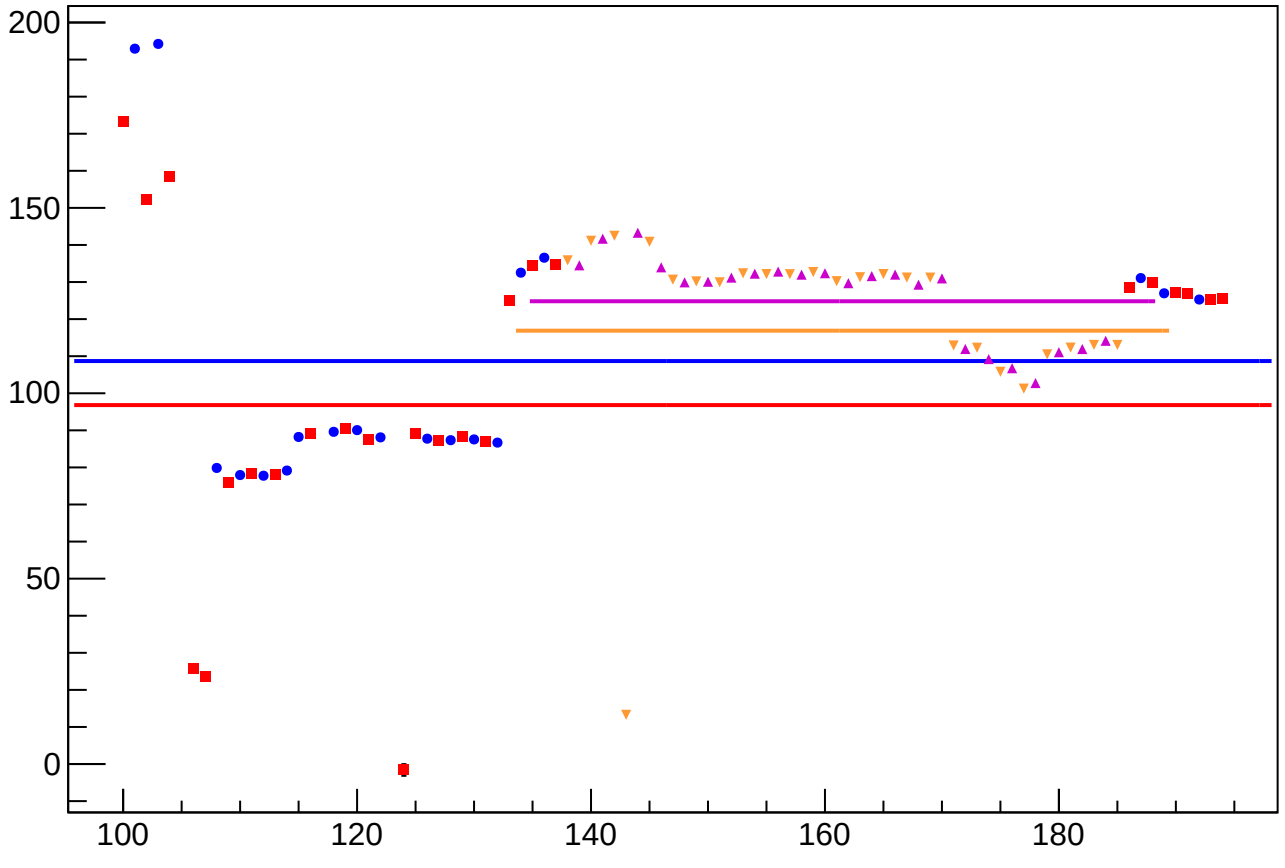
Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

Right: -64.192+/-0.698 χ^2/NDF: 915.9/43

In: -72.575+/-0.656 χ^2/NDF:718.6/41

Out: -67.040+/-0.627 χ^2/NDF:1455.8/49

All: -69.680+/-0.453 χ^2/NDF: 2211.6/91



Right In: 108.691+/-0.065 χ^2/NDF: 252360.1/18

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 96.814+/-0.058 χ^2/NDF: 458233.2/24

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

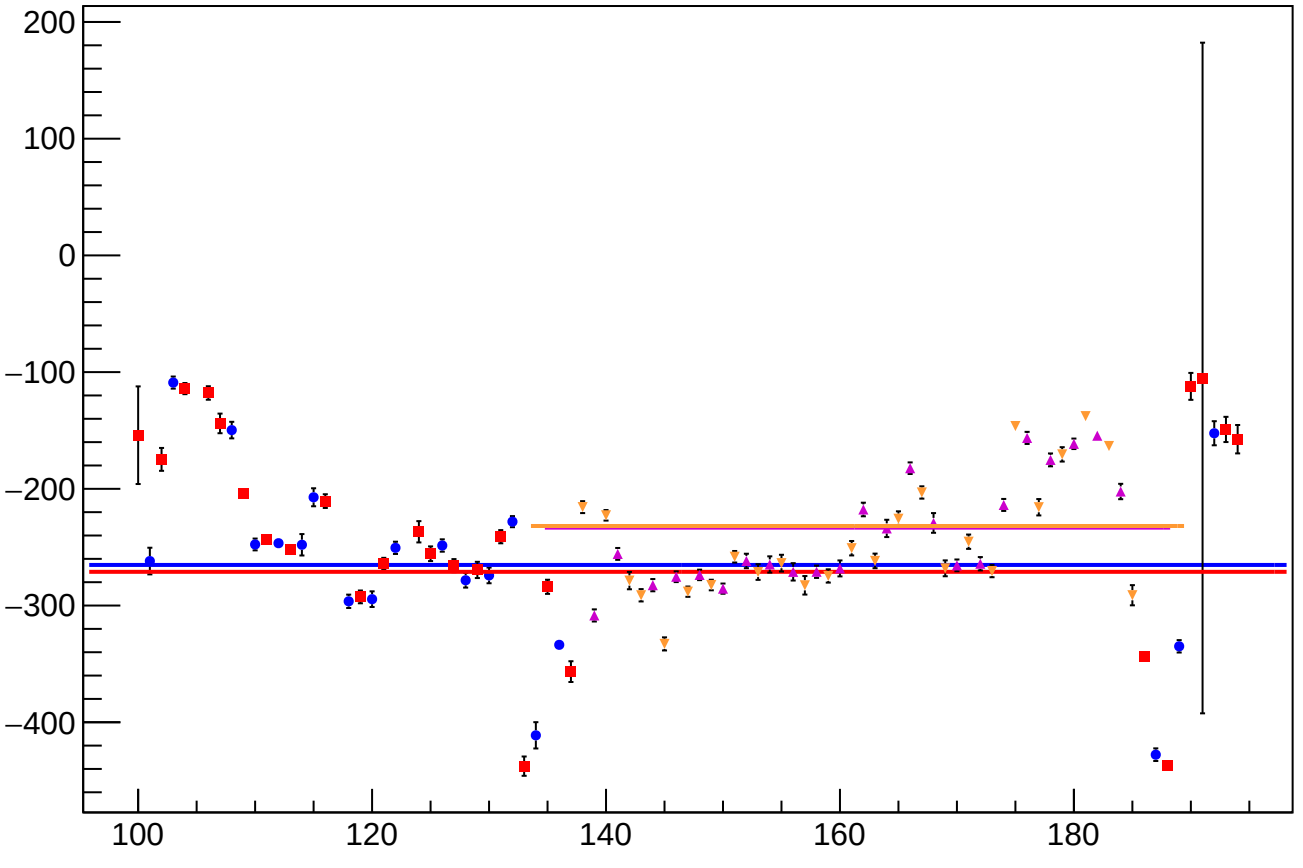
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 101.990+/-0.043 χ^2/NDF: 729185.6/43

In: 120.538+/-0.034 χ^2/NDF:385111.2/41

Out: 110.759+/-0.032 χ^2/NDF:1165976.0/49

All: 115.358+/-0.023 χ^2/NDF: 1595672.0/91



Right In: -265.212+/-1.333 χ^2/NDF: 3030.2/18

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -271.108+/-1.142 χ^2/NDF: 7182.8/24

Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

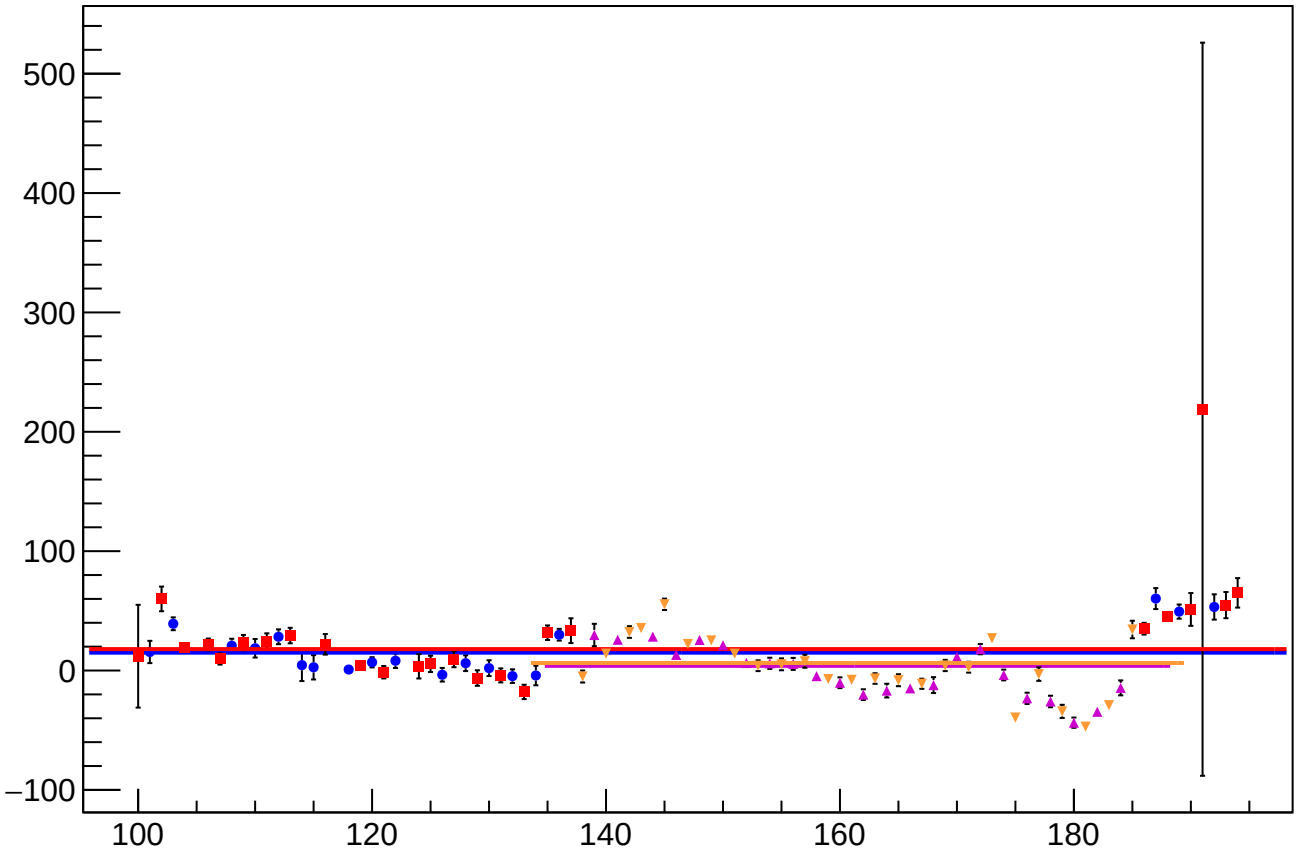
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

Right: -268.613+/-0.867 χ^2/NDF: 10224.3/43

In: -246.304+/-0.852 χ^2/NDF:5437.0/41

Out: -250.382+/-0.785 χ^2/NDF:10483.1/49

All: -248.510+/-0.577 χ^2/NDF: 15932.5/91



Right In: 14.977+/-1.397 χ^2/NDF: 165.6/18

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 17.949+/-1.233 χ^2/NDF: 223.6/24

Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

Left: 5.140+/-0.568 χ^2/NDF: 1526.1/47

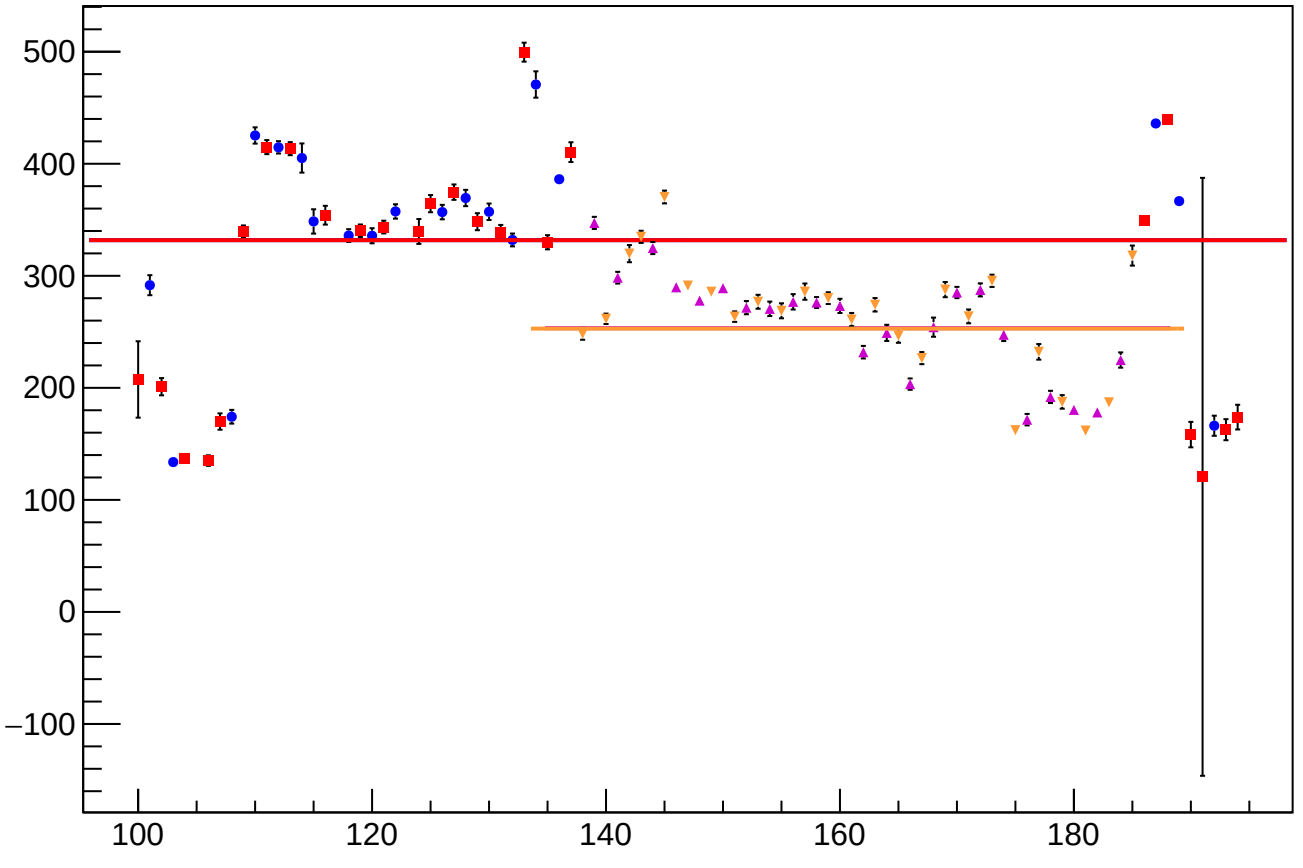
Right: 16.648+/-0.924 χ^2/NDF: 391.7/43

In: 6.734+/-0.706 χ^2/NDF:862.7/41

Out: 9.678+/-0.665 χ^2/NDF:1158.5/49

All: 8.295+/-0.484 χ^2/NDF: 2030.4/91

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 331.825+/-1.399 χ^2/NDF: 4806.5/18

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 331.805+/-1.143 χ^2/NDF: 9052.8/24

Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

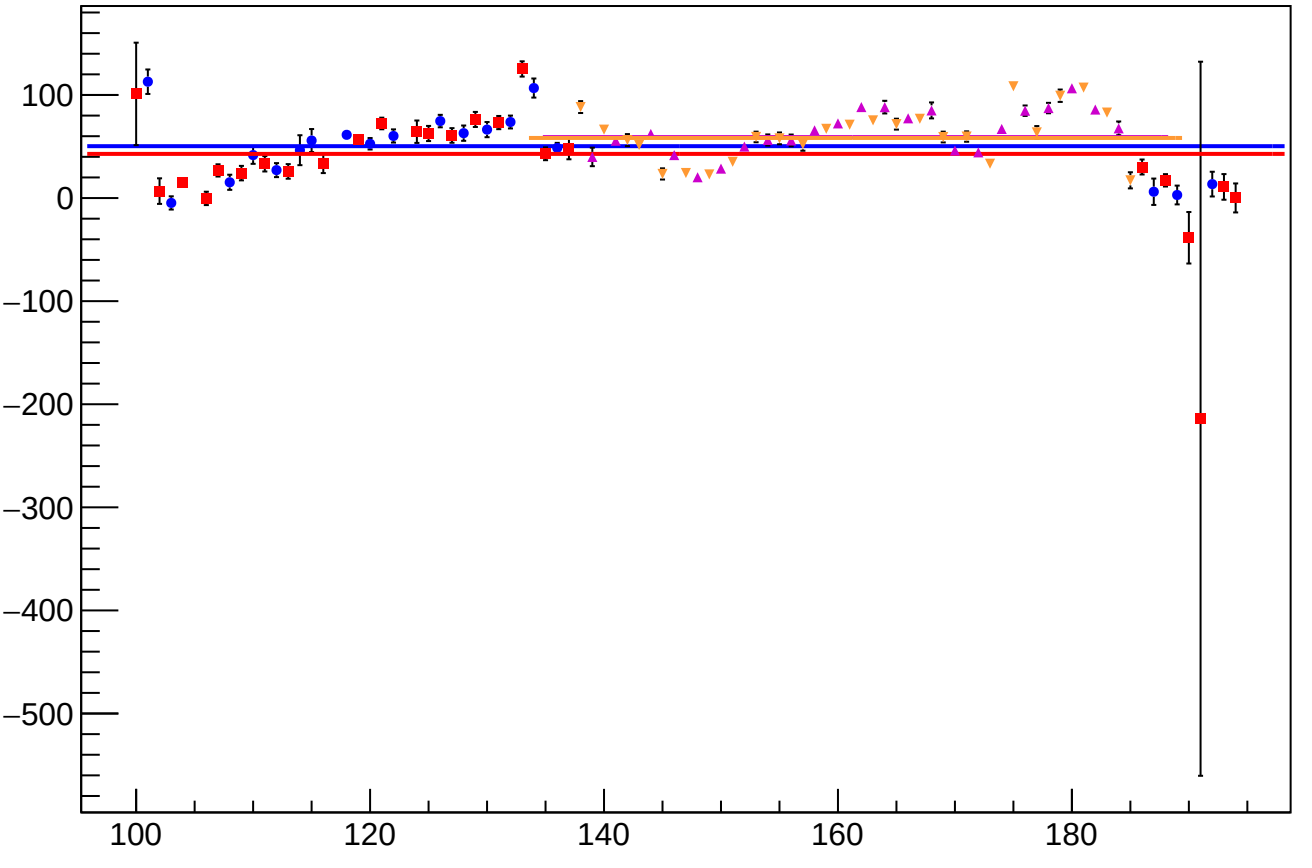
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 331.813+/-0.885 χ^2/NDF: 13859.3/43

In: 283.056+/-0.861 χ^2/NDF:8825.4/41

Out: 289.754+/-0.781 χ^2/NDF:14171.0/49

All: 286.731+/-0.579 χ^2/NDF: 23029.5/91



Right In: 50.330+/-1.640 χ^2/NDF: 269.1/18

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 42.838+/-1.485 χ^2/NDF: 379.7/24

Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

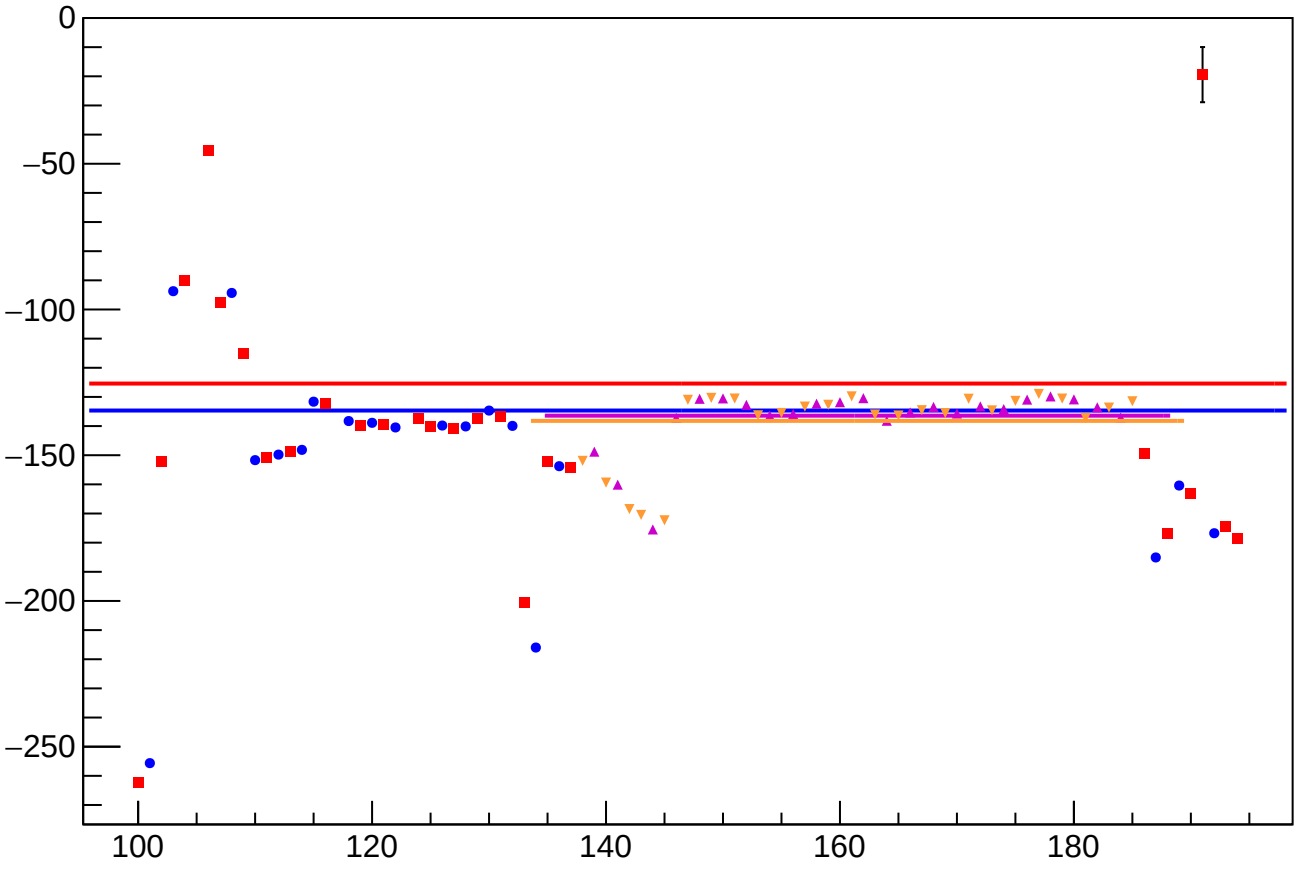
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 46.211+/-1.101 χ^2/NDF: 660.2/43

In: 56.976+/-0.815 χ^2/NDF:923.3/41

Out: 54.072+/-0.777 χ^2/NDF:1308.8/49

All: 55.455+/-0.562 χ^2/NDF: 2238.7/91



Right In: -134.669+/-0.086 χ^2/NDF: 197544.2/18

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -125.412+/-0.078 χ^2/NDF: 281900.4/24

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

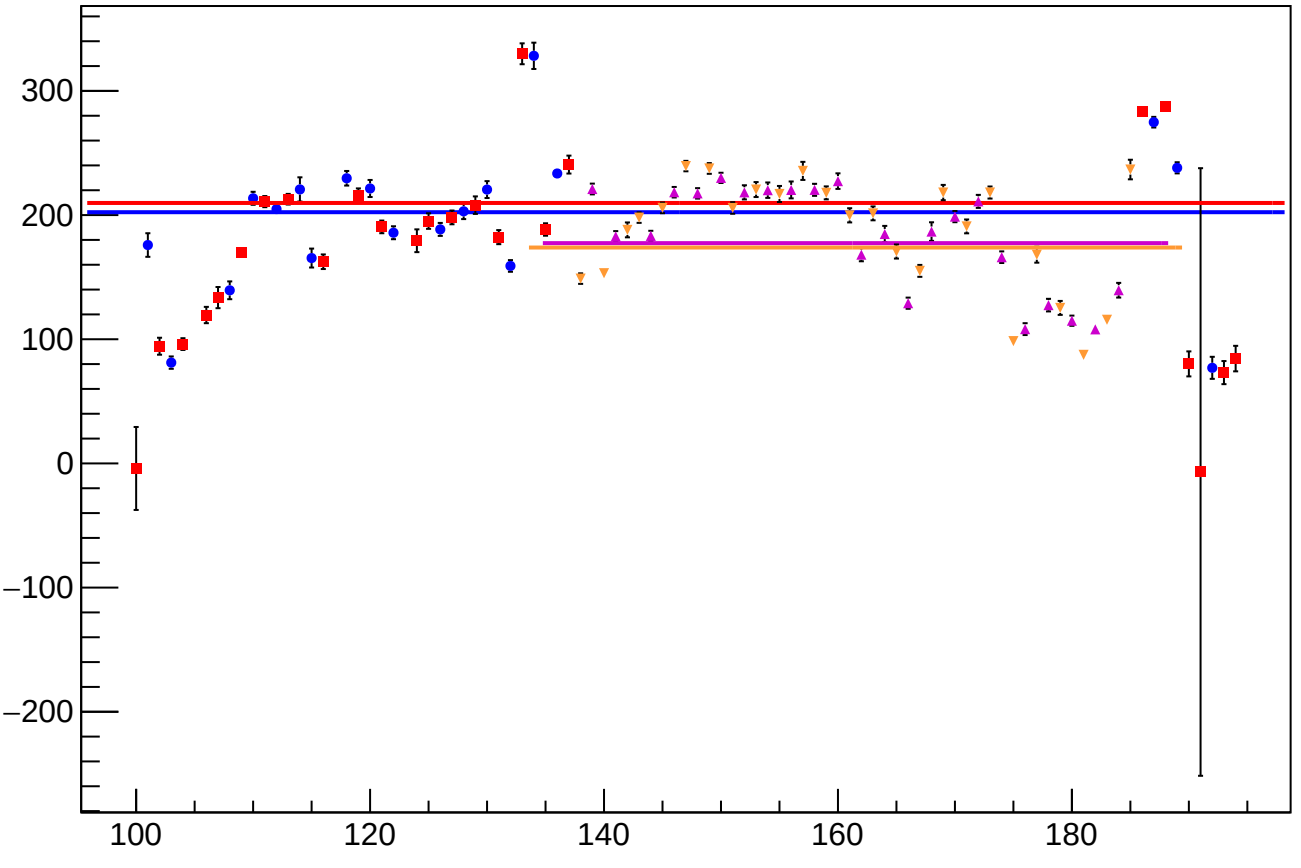
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -129.594+/-0.058 χ^2/NDF: 485786.7/43

In: -136.079+/-0.038 χ^2/NDF:247672.4/41

Out: -135.294+/-0.037 χ^2/NDF:384459.4/49

All: -135.676+/-0.027 χ^2/NDF: 632347.3/91



Right In: 202.317+/-1.268 χ^2/NDF: 1616.9/18

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 209.755+/-1.075 χ^2/NDF: 3703.9/24

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

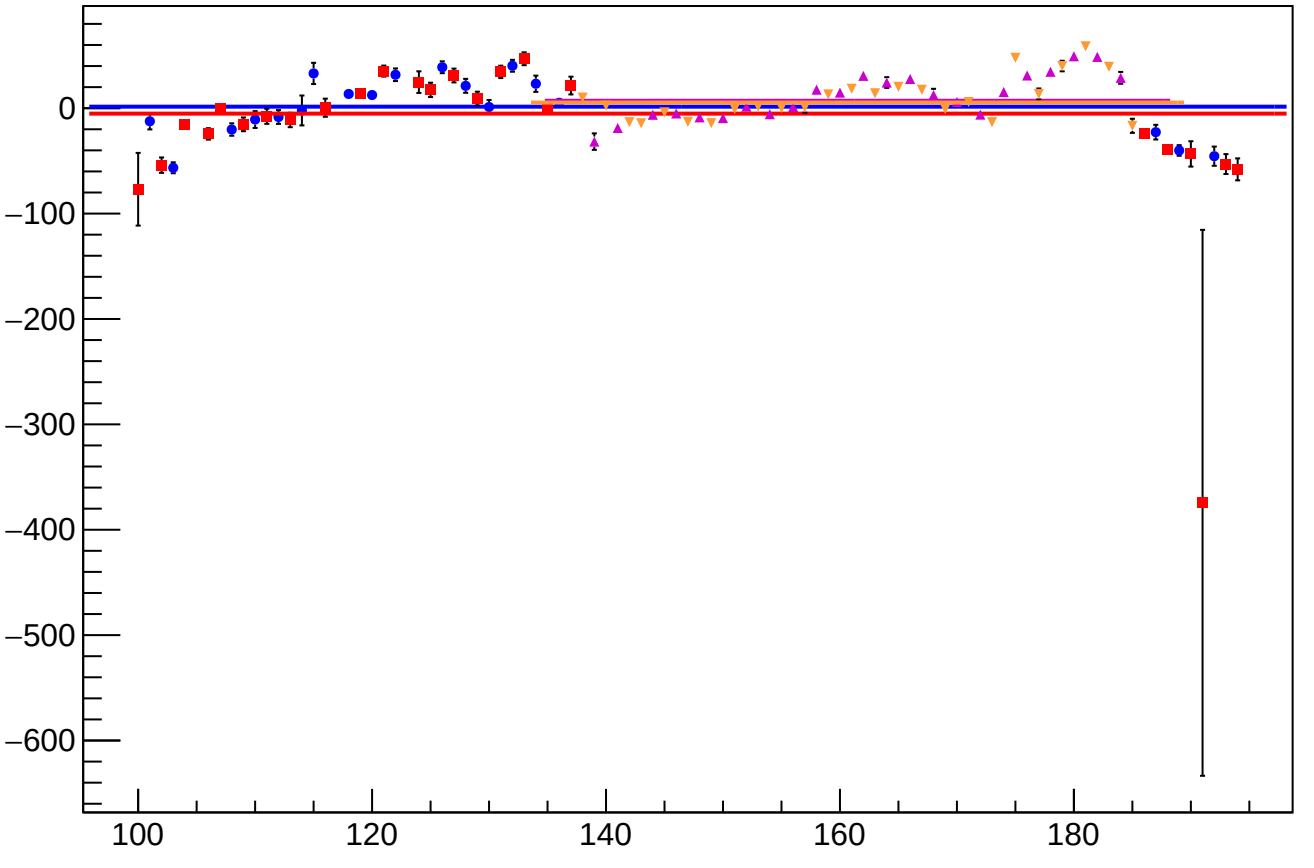
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 206.644+/-0.820 χ^2/NDF: 5340.8/43

In: 186.905+/-0.783 χ^2/NDF:3818.7/41

Out: 189.821+/-0.717 χ^2/NDF:6950.3/49

All: 188.491+/-0.529 χ^2/NDF: 10776.6/91



Right In: 1.455+/-1.346 χ^2/NDF: 414.1/18

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -5.151+/-1.180 χ^2/NDF: 539.0/24

Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

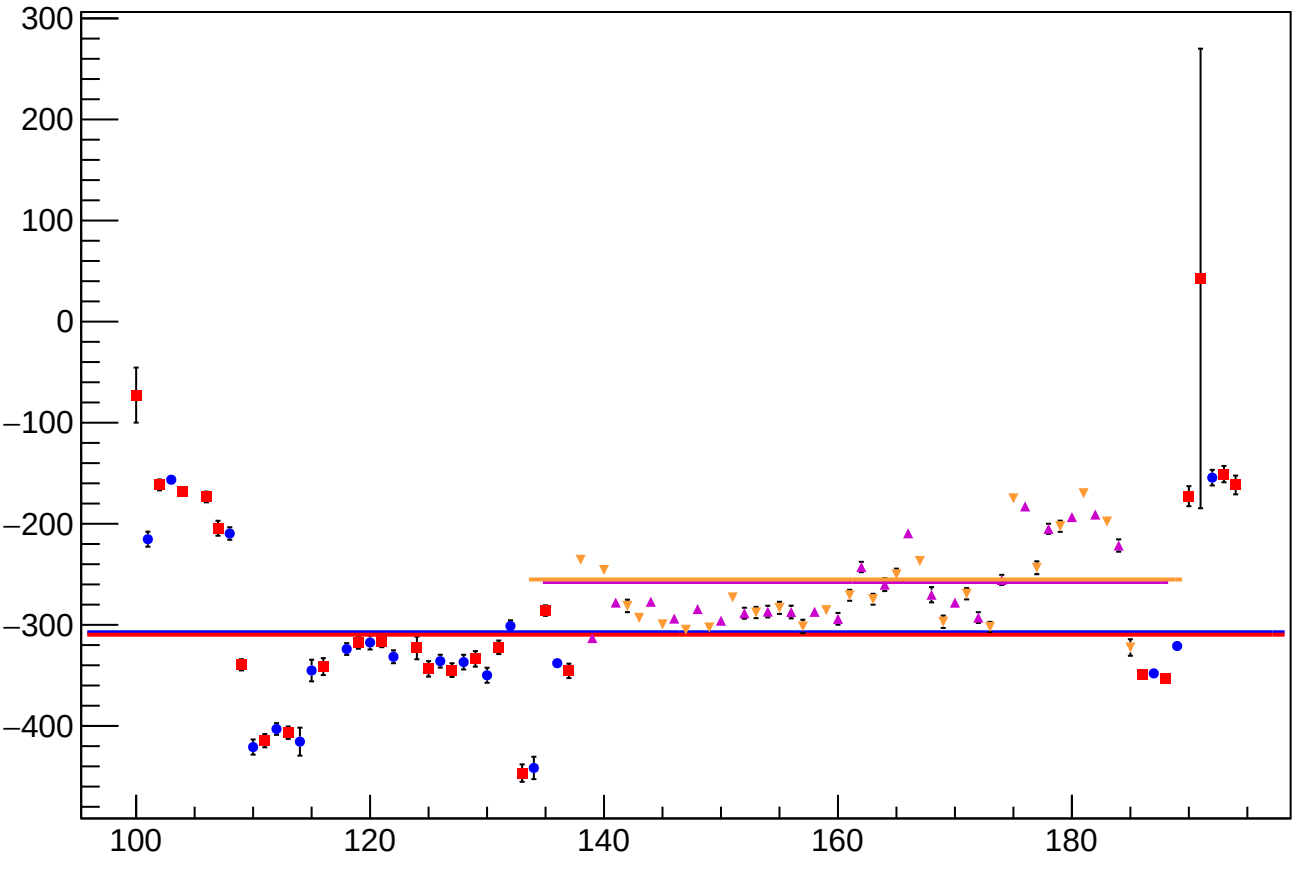
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -2.280+/-0.887 χ^2/NDF: 966.8/43

In: 5.755+/-0.649 χ^2/NDF:1137.1/41

Out: 2.565+/-0.609 χ^2/NDF:1407.3/49

All: 4.057+/-0.444 χ^2/NDF: 2557.2/91



Right In: -307.361+/-1.294 χ^2/NDF: 3331.4/18

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -309.700+/-1.042 χ^2/NDF: 5600.8/24

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

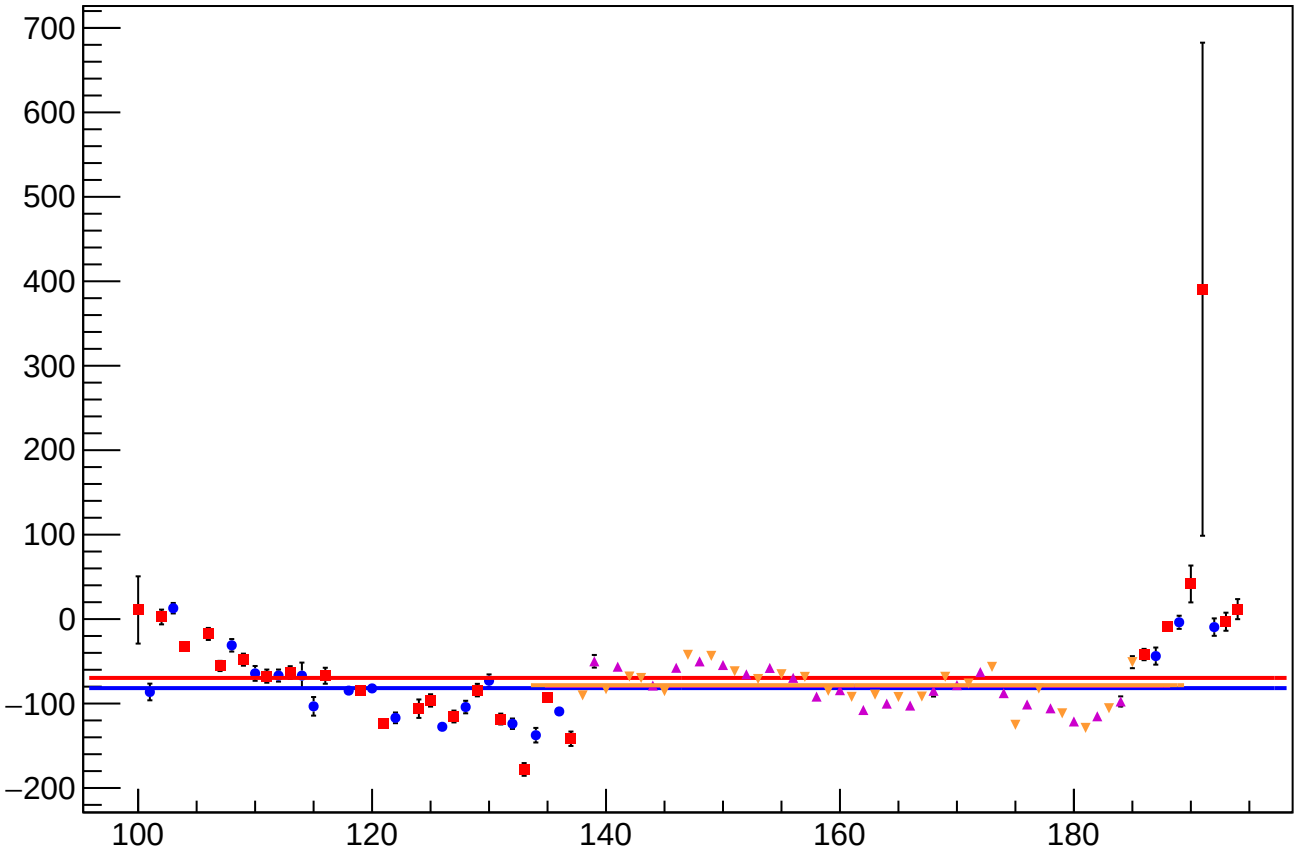
Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

Right: -308.780+/-0.812 χ^2/NDF: 8934.2/43

In: -275.845+/-0.784 χ^2/NDF:6075.6/41

Out: -280.063+/-0.705 χ^2/NDF:9434.1/49

All: -278.177+/-0.524 χ^2/NDF: 15525.6/91



Right In: -81.735+/-1.580 χ^2/NDF: 689.8/18

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -69.669+/-1.429 χ^2/NDF: 1019.7/24

Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

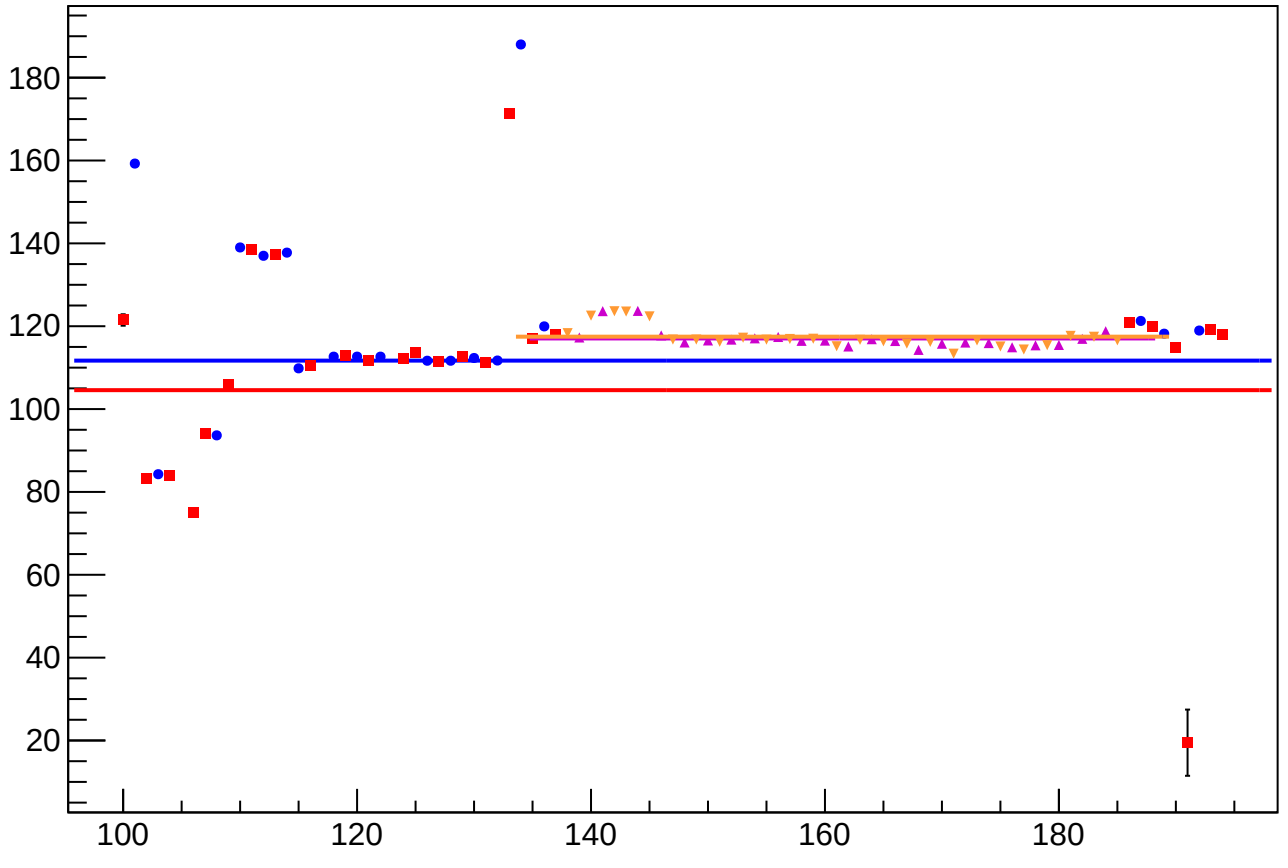
Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

Right: -75.100+/-1.060 χ^2/NDF: 1741.6/43

In: -79.664+/-0.748 χ^2/NDF:1394.7/41

Out: -76.162+/-0.710 χ^2/NDF:1915.3/49

All: -77.823+/-0.515 χ^2/NDF: 3321.5/91



Right In: 111.697+/-0.080 χ^2/NDF: 84737.5/18

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 104.567+/-0.072 χ^2/NDF: 72255.6/24

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

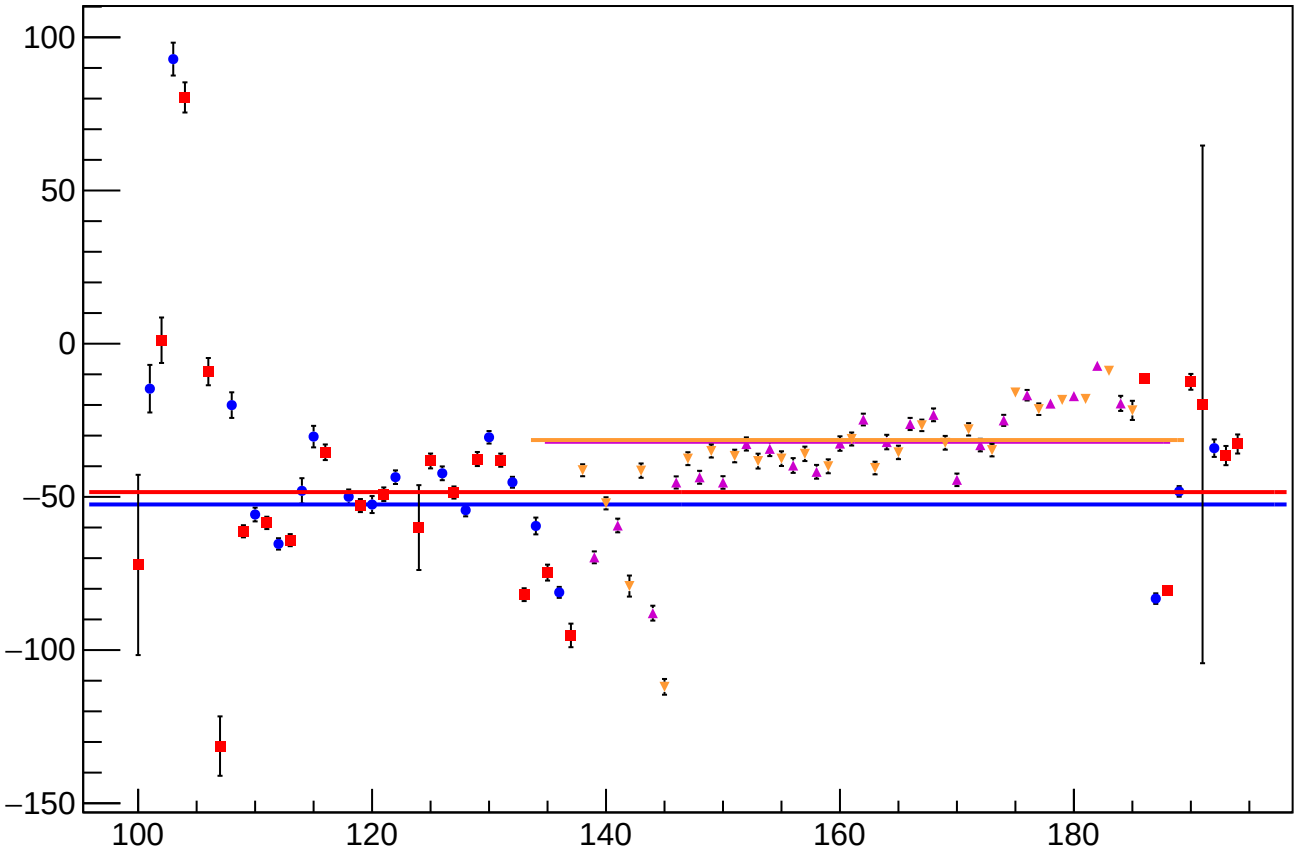
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 107.767+/-0.054 χ^2/NDF: 161338.8/43

In: 116.042+/-0.035 χ^2/NDF:91684.0/41

Out: 114.691+/-0.034 χ^2/NDF:101886.4/49

All: 115.344+/-0.024 χ^2/NDF: 194348.4/91



Right In: -52.474+/-0.536 χ^2/NDF: 1707.9/18

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -48.438+/-0.448 χ^2/NDF: 4118.9/24

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

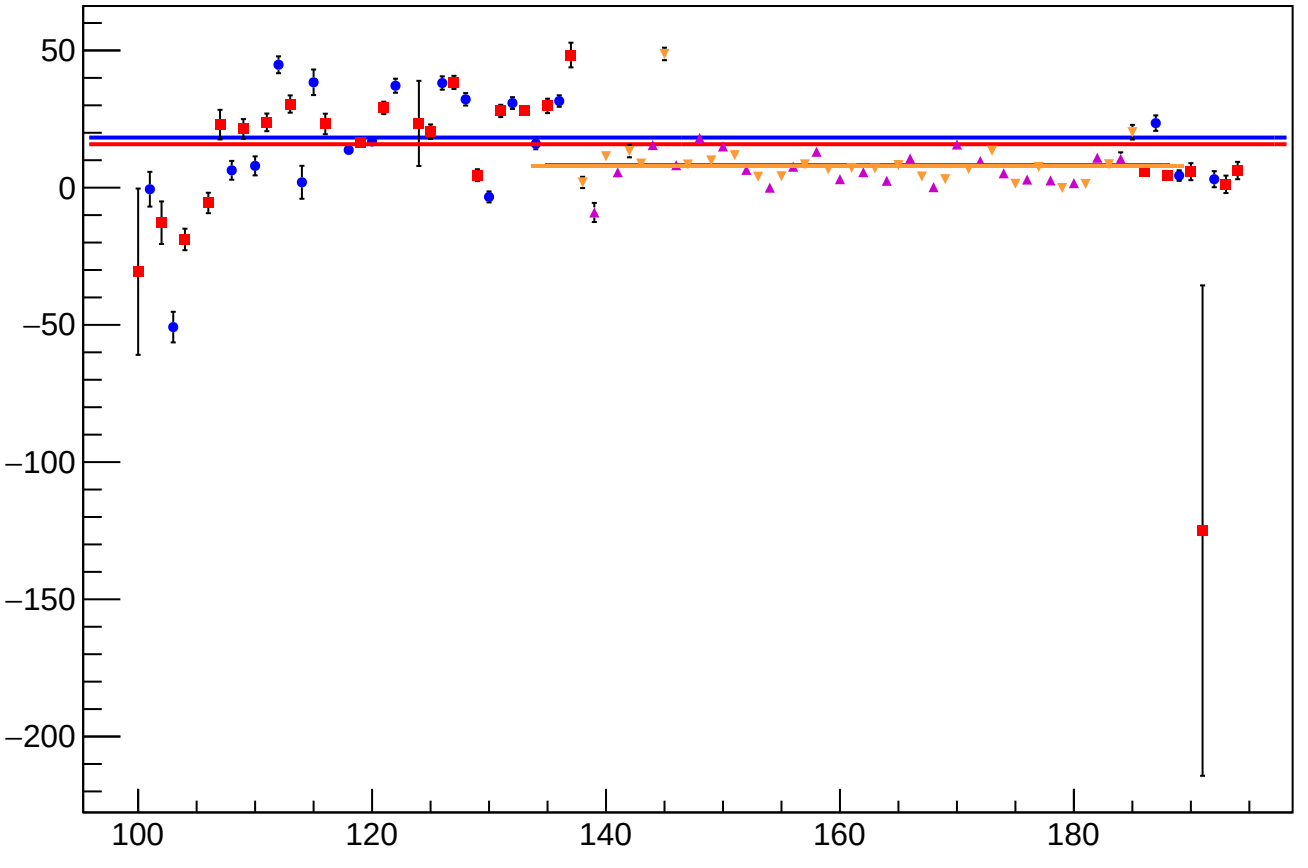
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

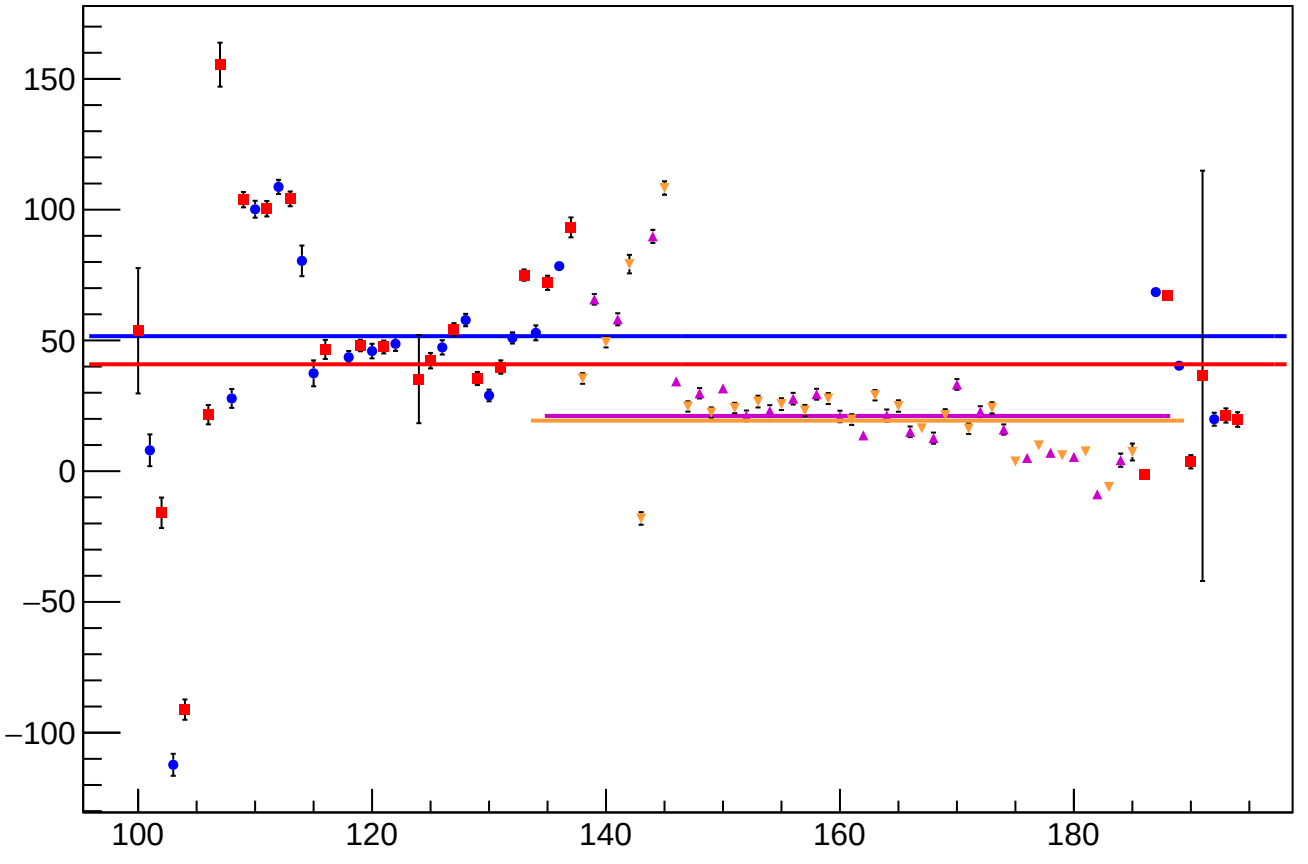
Right: -50.097+/-0.344 χ^2/NDF: 5860.2/43

In: -39.544+/-0.325 χ^2/NDF:4541.6/41

Out: -38.966+/-0.298 χ^2/NDF:6913.3/49

All: -39.229+/-0.220 χ^2/NDF: 11456.6/91


reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
120
140
160
180
Right In: 18.255+/-0.560 χ²/NDF: 727.2/18
Left Out: 7.897+/-0.304 χ²/NDF:490.5/24
Right Out: 15.830+/-0.500 χ²/NDF: 660.3/24
Left In: 8.223+/-0.316 χ²/NDF:338.8/22
Left: 8.054+/-0.219 χ²/NDF: 829.9/47
Right: 16.903+/-0.373 χ²/NDF: 1398.0/43
In: 10.637+/-0.275 χ²/NDF:1309.3/41
Out: 10.039+/-0.260 χ²/NDF:1334.9/49
All: 10.321+/-0.189 χ²/NDF: 2646.7/91



Right In: 51.624+/-0.560 χ^2/NDF: 3025.4/18

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 40.873+/-0.431 χ^2/NDF: 7355.3/24

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

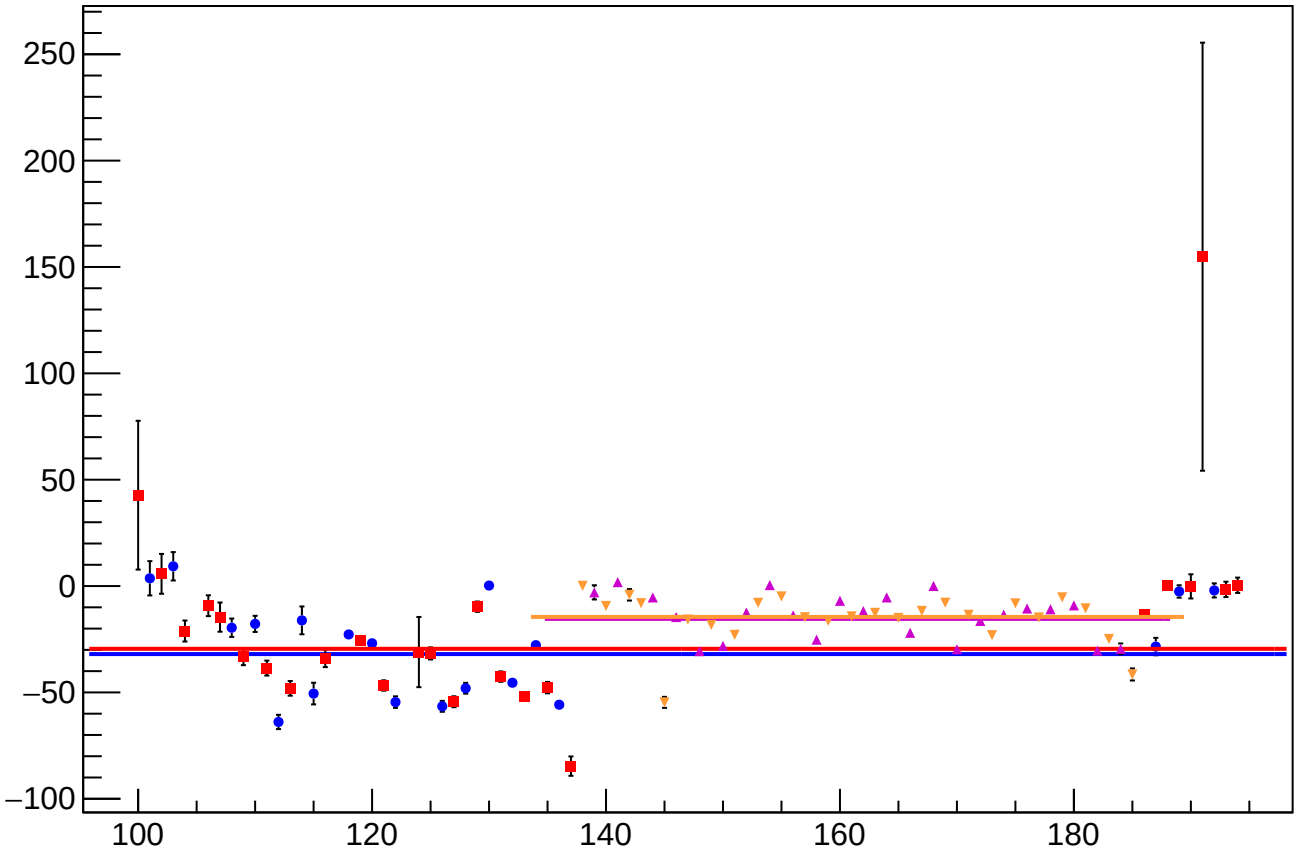
Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

Right: 44.875+/-0.342 χ^2/NDF: 10611.9/43

In: 31.584+/-0.328 χ^2/NDF:7477.5/41

Out: 29.176+/-0.292 χ^2/NDF:11391.4/49

All: 30.238+/-0.218 χ^2/NDF: 18899.0/91



Right In: -31.978+/-0.658 χ^2/NDF: 976.7/18

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -29.505+/-0.613 χ^2/NDF: 1101.4/24

Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

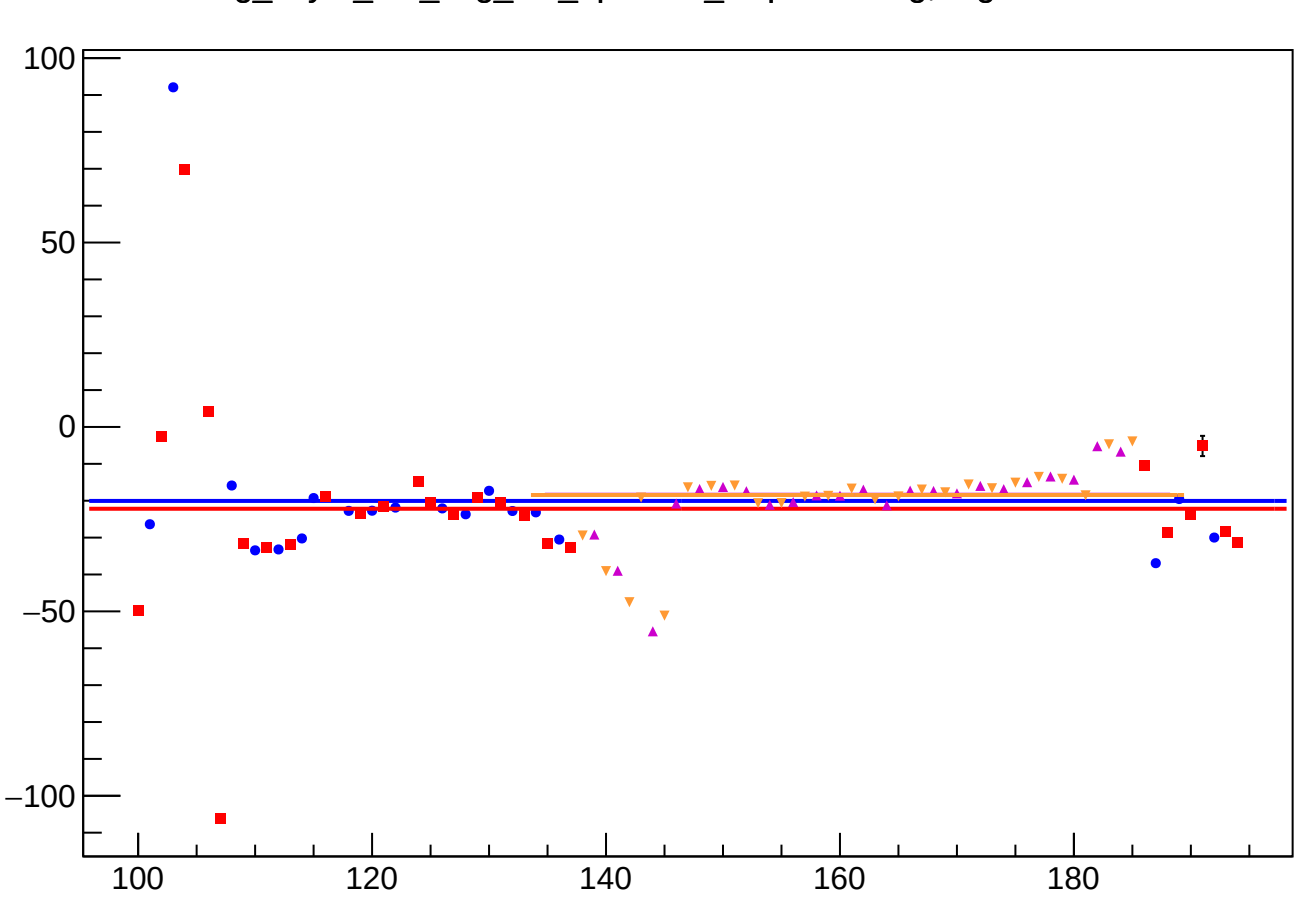
Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

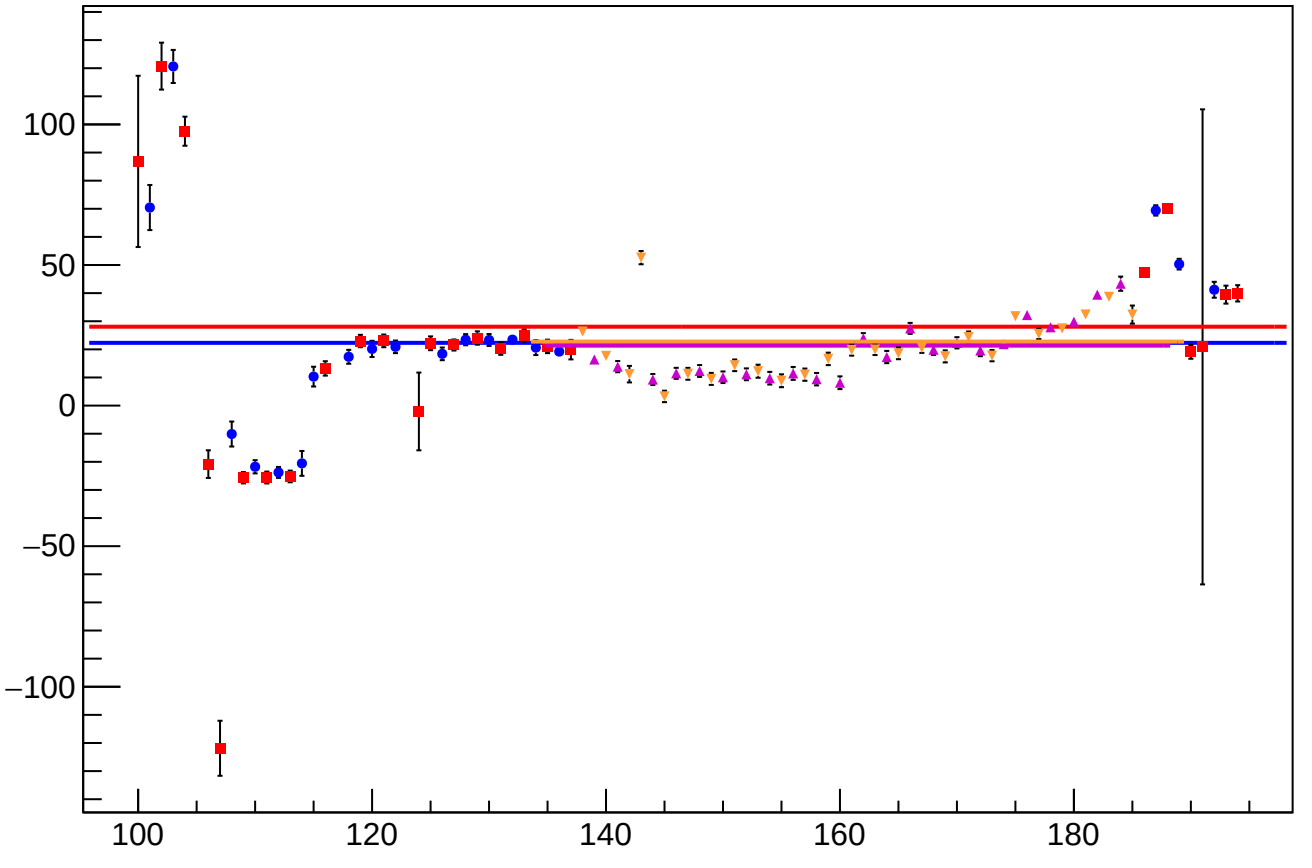
Right: -30.654+/-0.449 χ^2/NDF: 2085.7/43

In: -19.153+/-0.313 χ^2/NDF:2265.6/41

Out: -18.095+/-0.300 χ^2/NDF:2198.0/49

All: -18.602+/-0.216 χ^2/NDF: 4469.6/91


reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
100
120
140
160
180
Right In: -20.055+/-0.038 χ²/NDF: 443302.4/18
Left Out: -18.450+/-0.015 χ²/NDF:295359.2/24
Right Out: -22.179+/-0.035 χ²/NDF: 370974.1/24
Left In: -18.378+/-0.016 χ²/NDF:250040.9/22
Left: -18.414+/-0.011 χ²/NDF: 545410.6/47
Right: -21.196+/-0.026 χ²/NDF: 815989.8/43
In: -18.628+/-0.015 χ²/NDF:695035.5/41
Out: -19.062+/-0.014 χ²/NDF:675869.0/49
All: -18.851+/-0.010 χ²/NDF: 1371362.6/91



Right In: 22.320+/-0.547 χ^2/NDF: 2316.4/18

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 28.061+/-0.471 χ^2/NDF: 4552.8/24

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

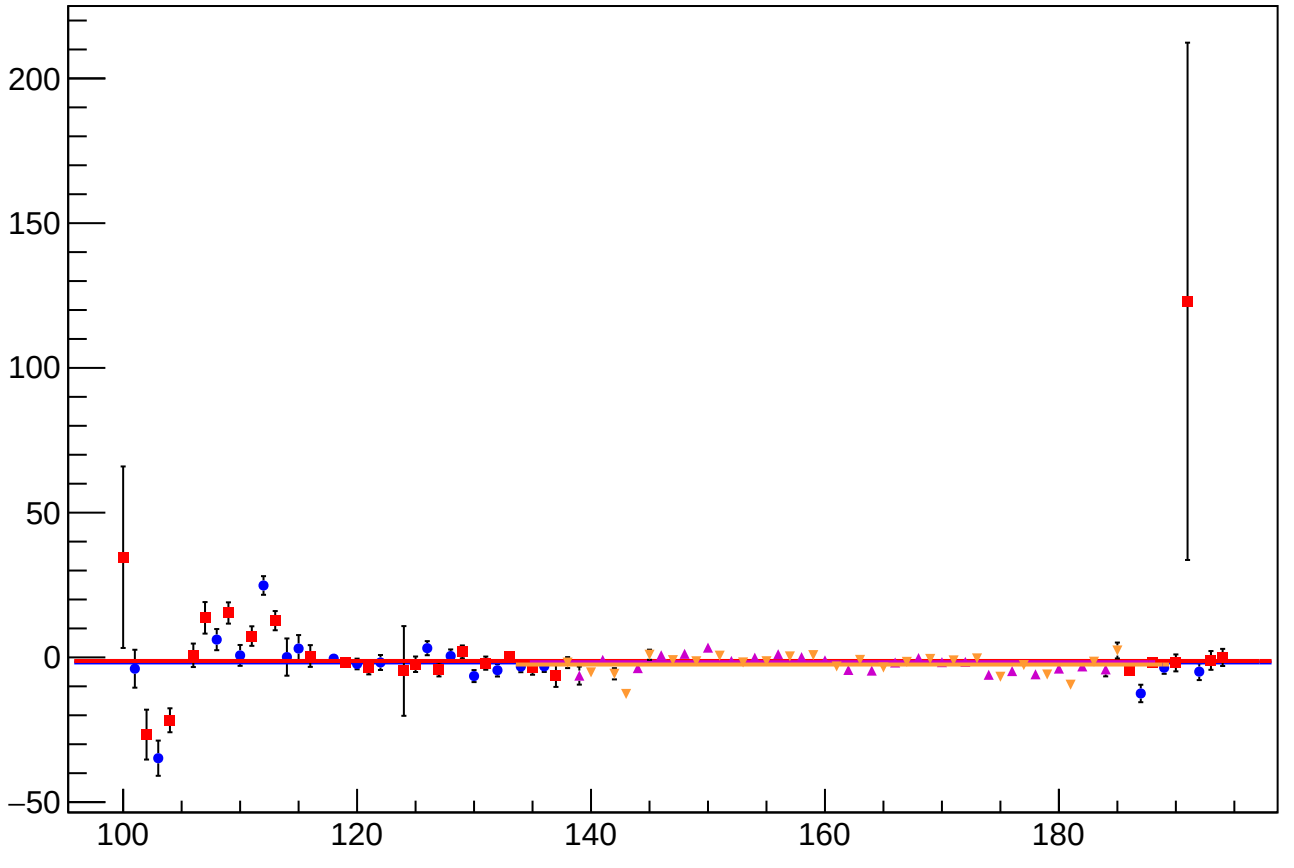
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 25.614+/-0.357 χ^2/NDF: 6932.5/43

In: 21.663+/-0.319 χ^2/NDF:2948.5/41

Out: 24.869+/-0.297 χ^2/NDF:5351.7/49

All: 23.381+/-0.217 χ^2/NDF: 8354.3/91



Right In: -1.747+/-0.571 χ^2/NDF: 132.4/18

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.236+/-0.524 χ^2/NDF: 101.5/24

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

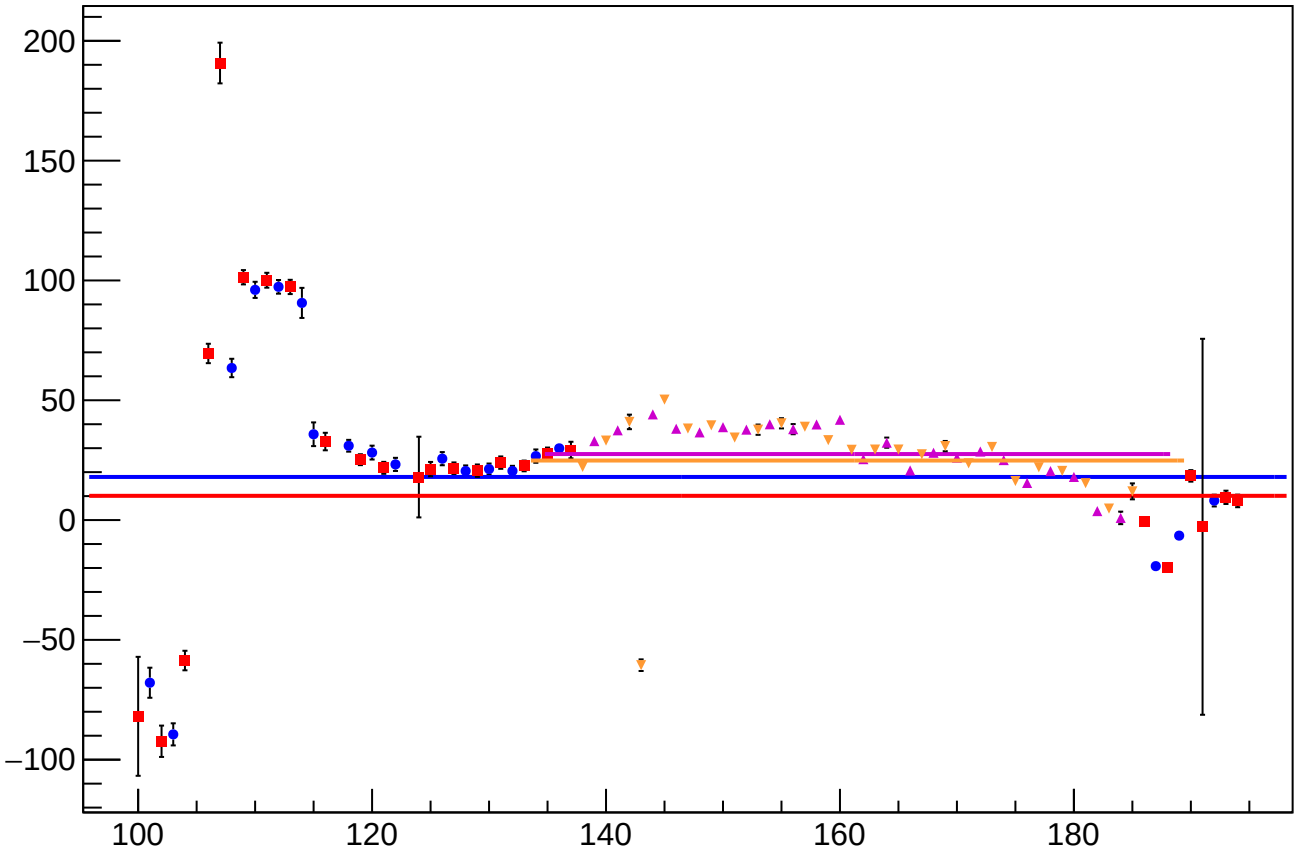
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -1.470+/-0.386 χ^2/NDF: 234.3/43

In: -1.679+/-0.268 χ^2/NDF:202.6/41

Out: -2.175+/-0.256 χ^2/NDF:222.4/49

All: -1.939+/-0.185 χ^2/NDF: 426.8/91



Right In: 17.994+/-0.575 χ^2/NDF: 3296.1/18

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 10.116+/-0.463 χ^2/NDF: 5456.8/24

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

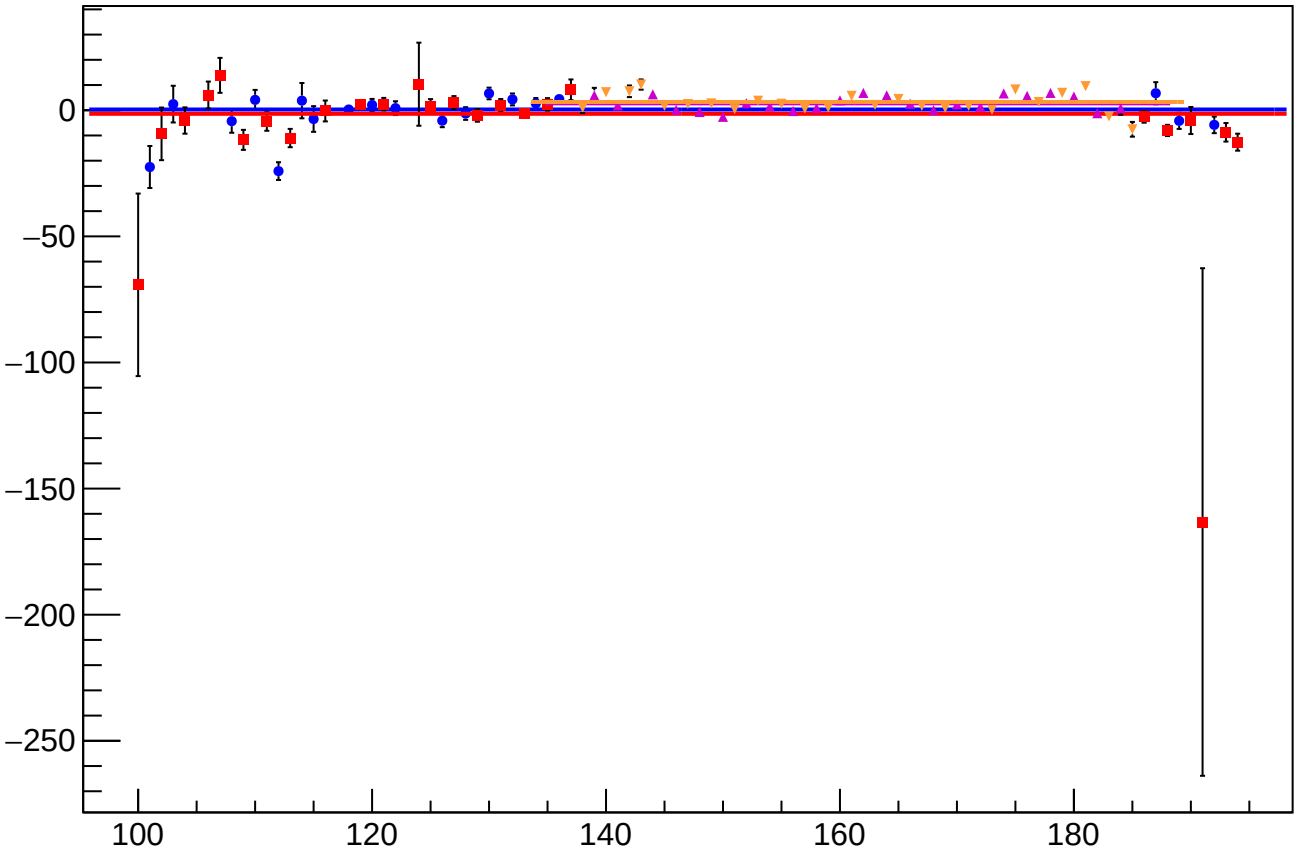
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 13.209+/-0.361 χ^2/NDF: 8866.8/43

In: 24.555+/-0.322 χ^2/NDF:4367.3/41

Out: 18.917+/-0.294 χ^2/NDF:8111.5/49

All: 21.474+/-0.217 χ^2/NDF: 12646.2/91



Right In: 0.302+/-0.666 χ^2/NDF: 86.2/18

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -1.409+/-0.635 χ^2/NDF: 72.9/24

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

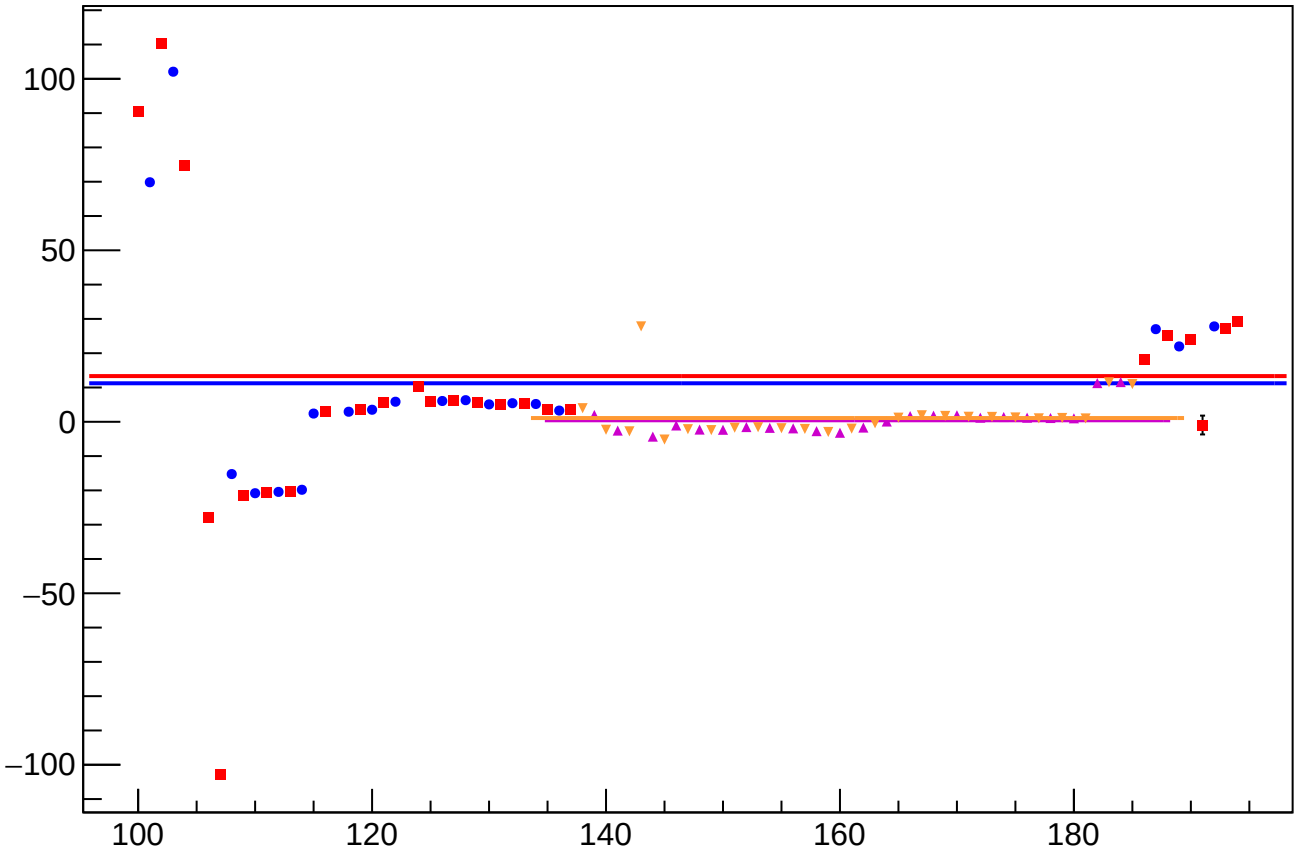
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -0.593+/-0.460 χ^2/NDF: 162.5/43

In: 2.223+/-0.304 χ^2/NDF:171.2/41

Out: 2.282+/-0.294 χ^2/NDF:222.1/49

All: 2.254+/-0.211 χ^2/NDF: 393.4/91



Right In: 11.230+/-0.038 χ^2/NDF: 367474.3/18

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 13.327+/-0.035 χ^2/NDF: 531521.0/24

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

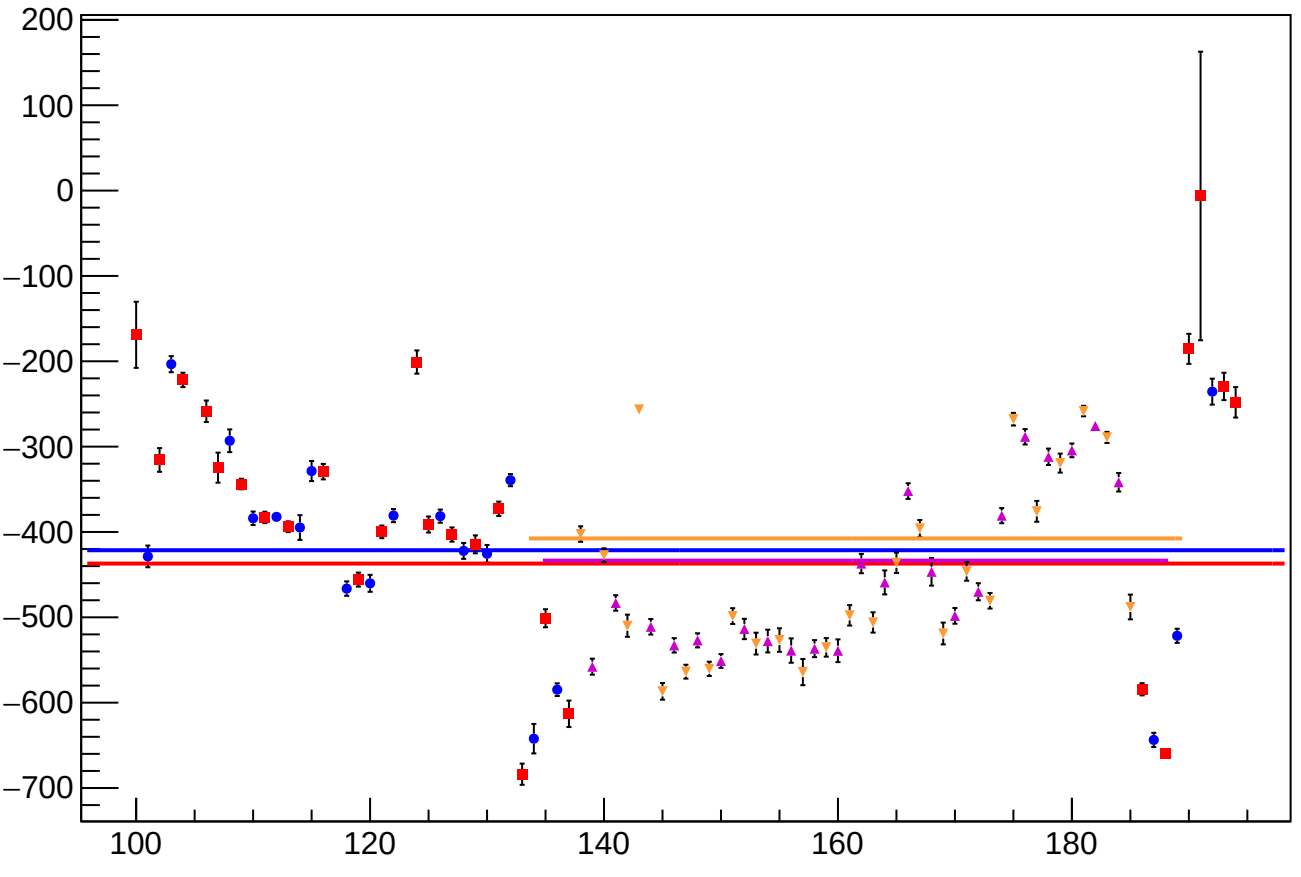
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

Right: 12.342+/-0.026 χ^2/NDF: 900650.2/43

In: 1.942+/-0.014 χ^2/NDF:491973.3/41

Out: 2.928+/-0.014 χ^2/NDF:762219.7/49

All: 2.446+/-0.010 χ^2/NDF: 1256730.0/91



Right In: -421.388+/-2.070 χ^2/NDF: 2651.0/18

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -437.017+/-1.816 χ^2/NDF: 5978.9/24

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

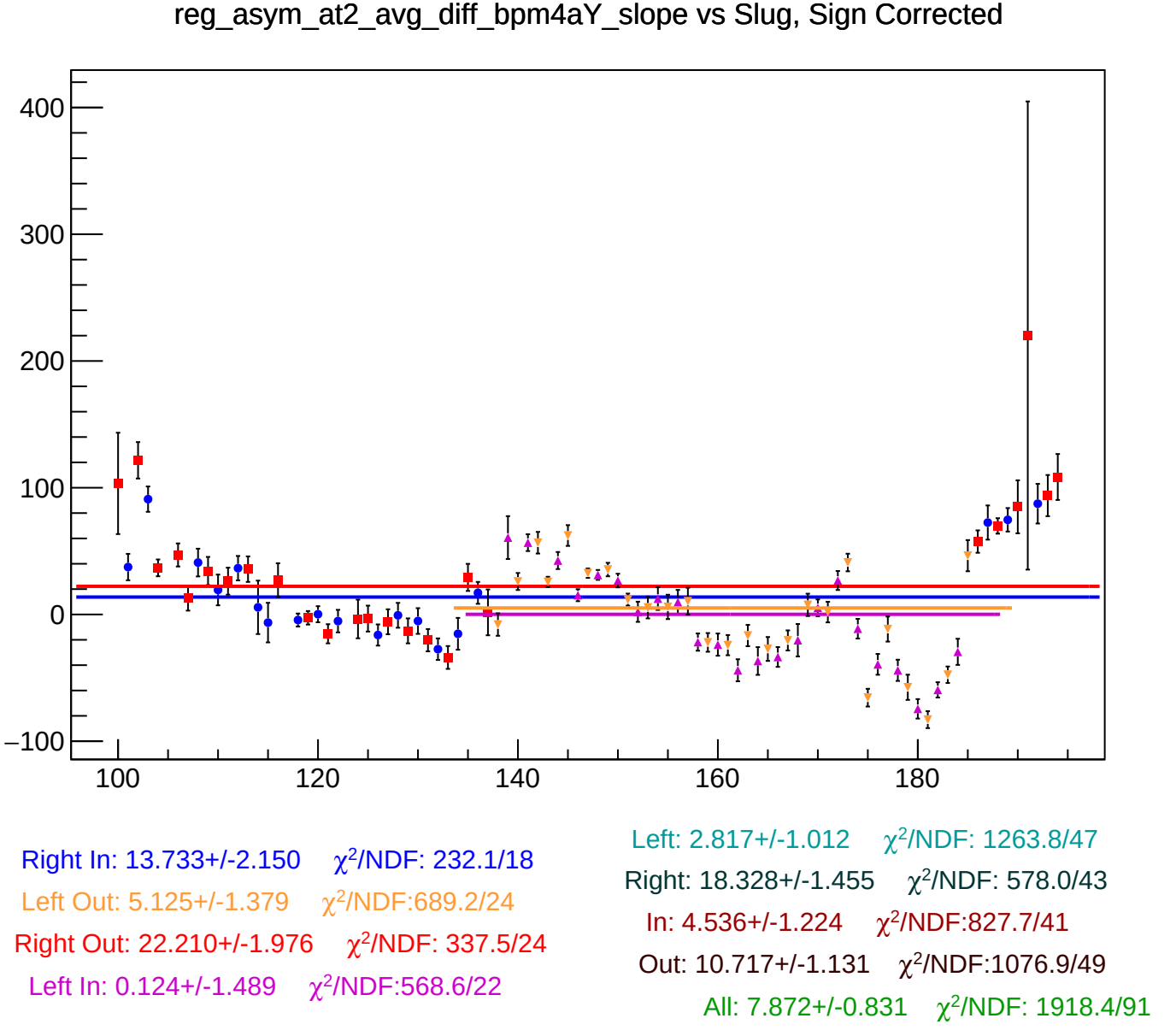
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

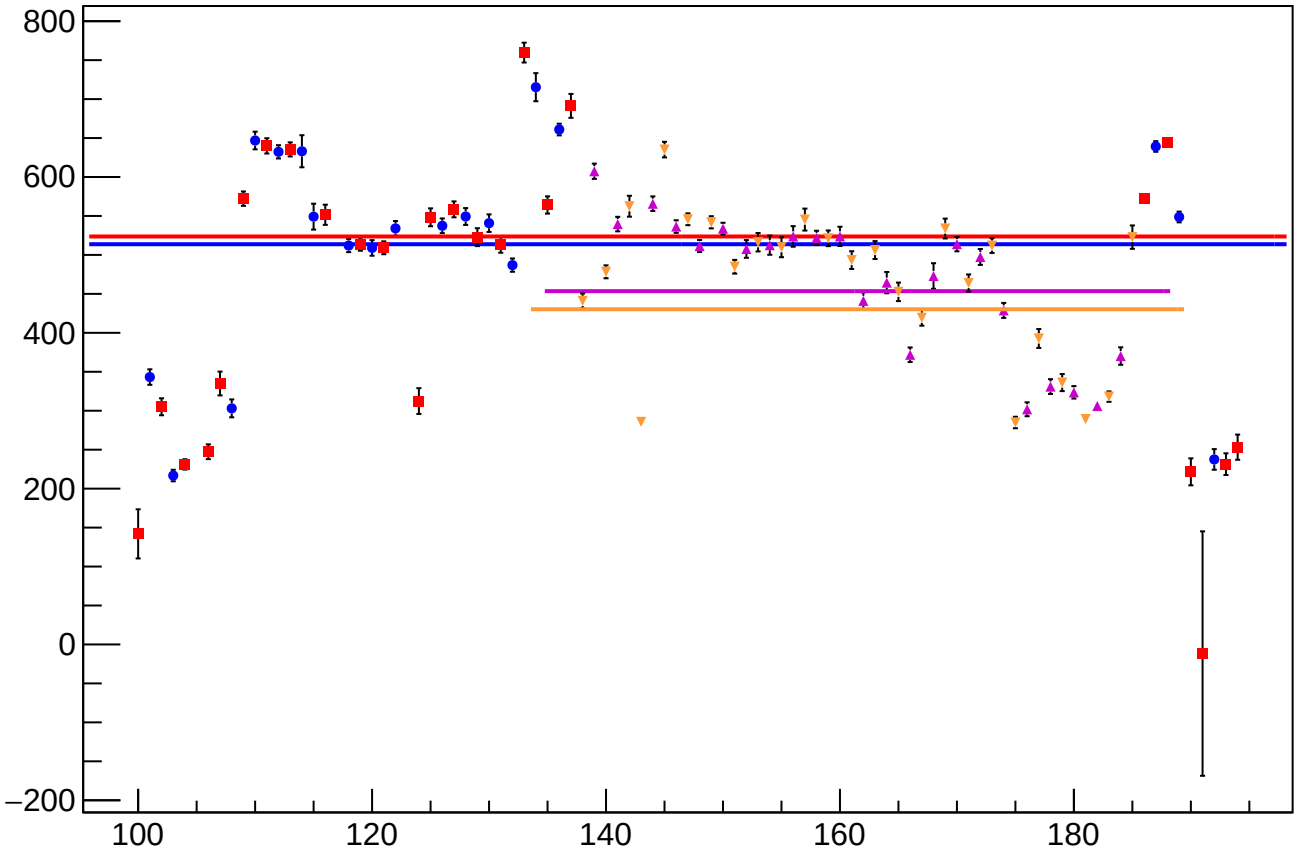
Right: -430.220+/-1.365 χ^2/NDF: 8662.2/43

In: -427.688+/-1.436 χ^2/NDF:5393.4/41

Out: -422.735+/-1.302 χ^2/NDF:10111.9/49

All: -424.970+/-0.964 χ^2/NDF: 15511.9/91


reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
400
300
200
100
0
−100
100
120
140
160
180
Right In: 13.733+/-2.150 χ²/NDF: 232.1/18
Left Out: 5.125+/-1.379 χ²/NDF:689.2/24
Right Out: 22.210+/-1.976 χ²/NDF: 337.5/24
Left In: 0.124+/-1.489 χ²/NDF:568.6/22
Left: 2.817+/-1.012 χ²/NDF: 1263.8/47
Right: 18.328+/-1.455 χ²/NDF: 578.0/43
In: 4.536+/-1.224 χ²/NDF:827.7/41
Out: 10.717+/-1.131 χ²/NDF:1076.9/49
All: 7.872+/-0.831 χ²/NDF: 1918.4/91



Right In: 513.724+/-2.187 χ^2/NDF: 3955.9/18

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 523.667+/-1.834 χ^2/NDF: 6758.2/24

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

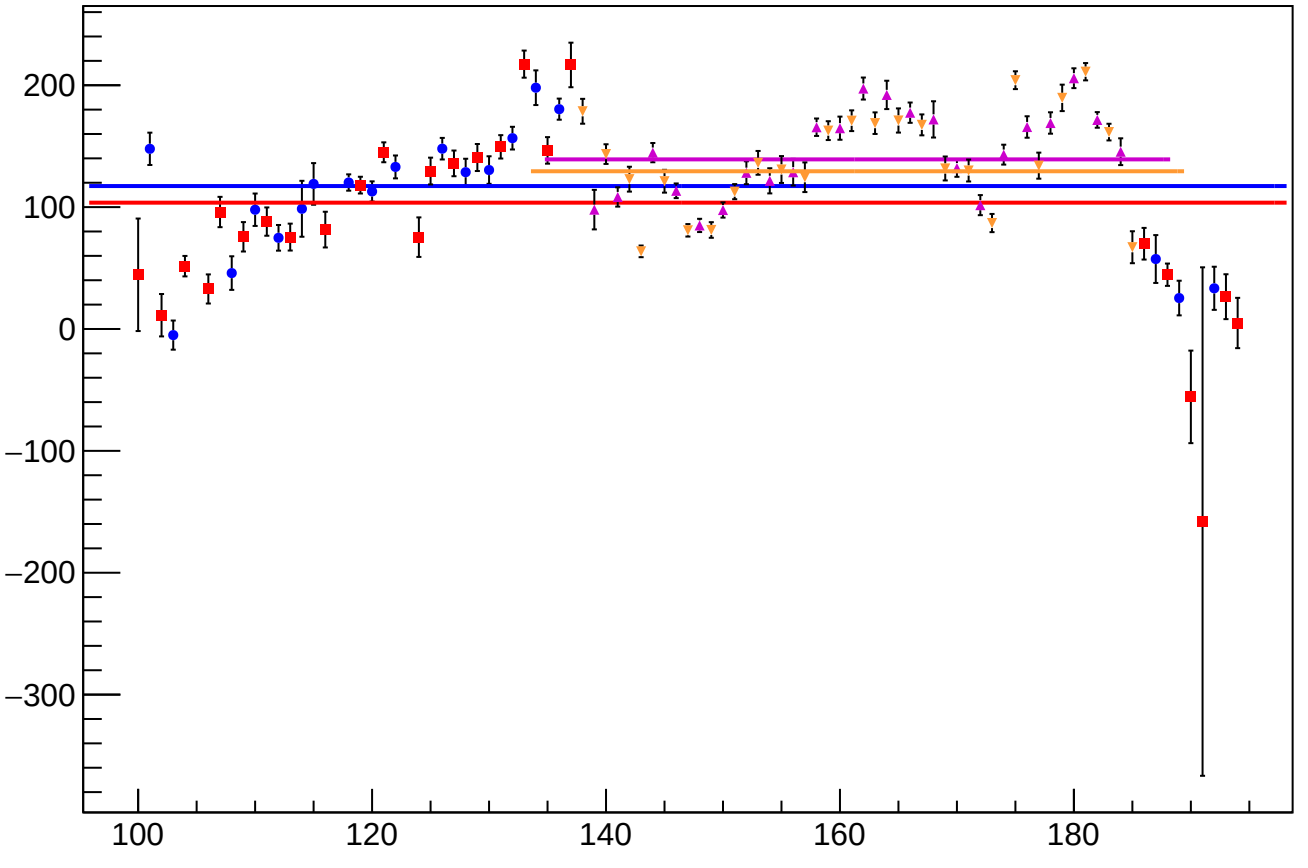
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 519.561+/-1.405 χ^2/NDF: 10726.3/43

In: 480.530+/-1.465 χ^2/NDF:6793.5/41

Out: 477.628+/-1.306 χ^2/NDF:11441.7/49

All: 478.913+/-0.975 χ^2/NDF: 18237.3/91



Right In: 117.282+/-2.535 χ^2/NDF: 350.3/18

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 103.648+/-2.368 χ^2/NDF: 468.0/24

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

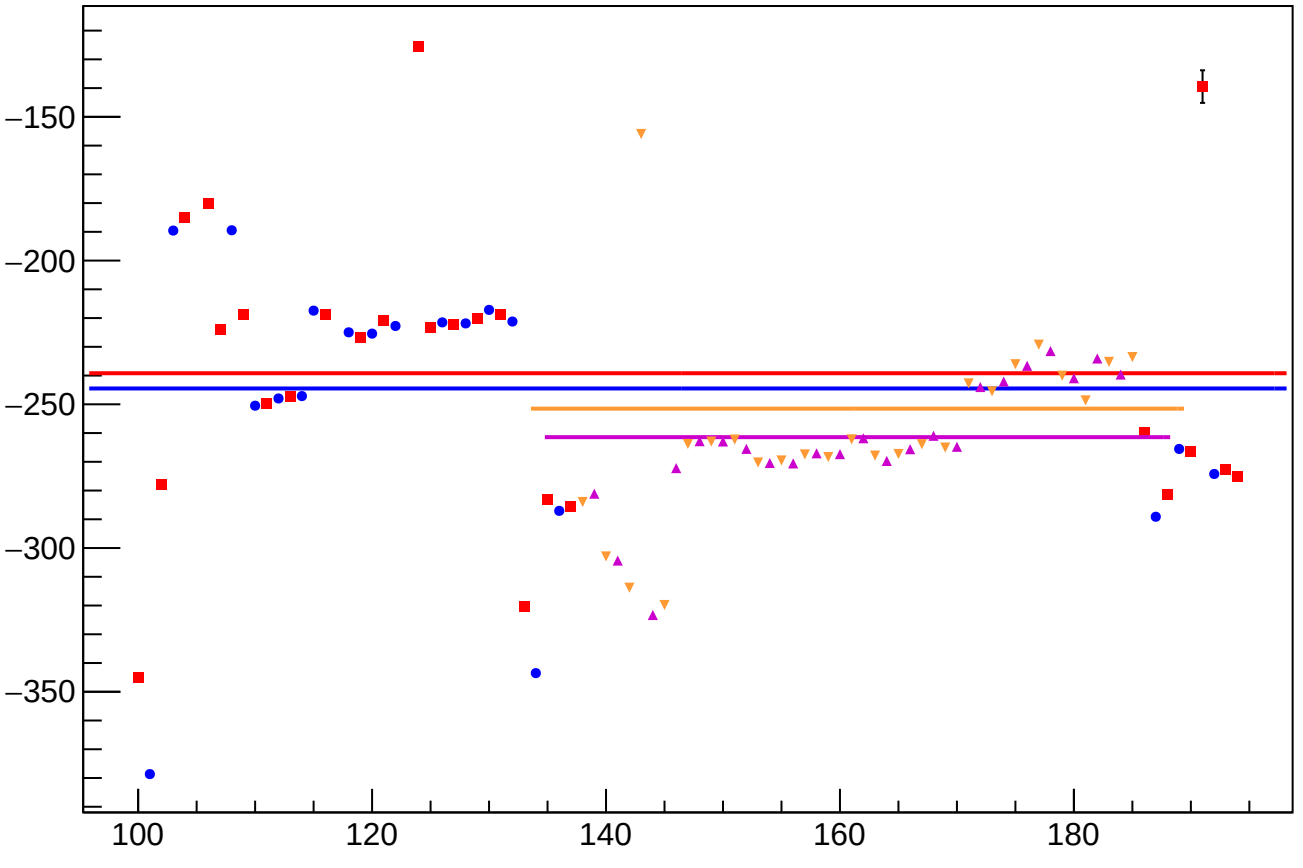
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 110.003+/-1.731 χ^2/NDF: 833.7/43

In: 132.348+/-1.415 χ^2/NDF:835.8/41

Out: 121.394+/-1.322 χ^2/NDF:1363.8/49

All: 126.499+/-0.966 χ^2/NDF: 2231.5/91



Right In: -244.494+/-0.141 χ^2/NDF: 140377.7/18

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -239.191+/-0.131 χ^2/NDF: 102992.6/24

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

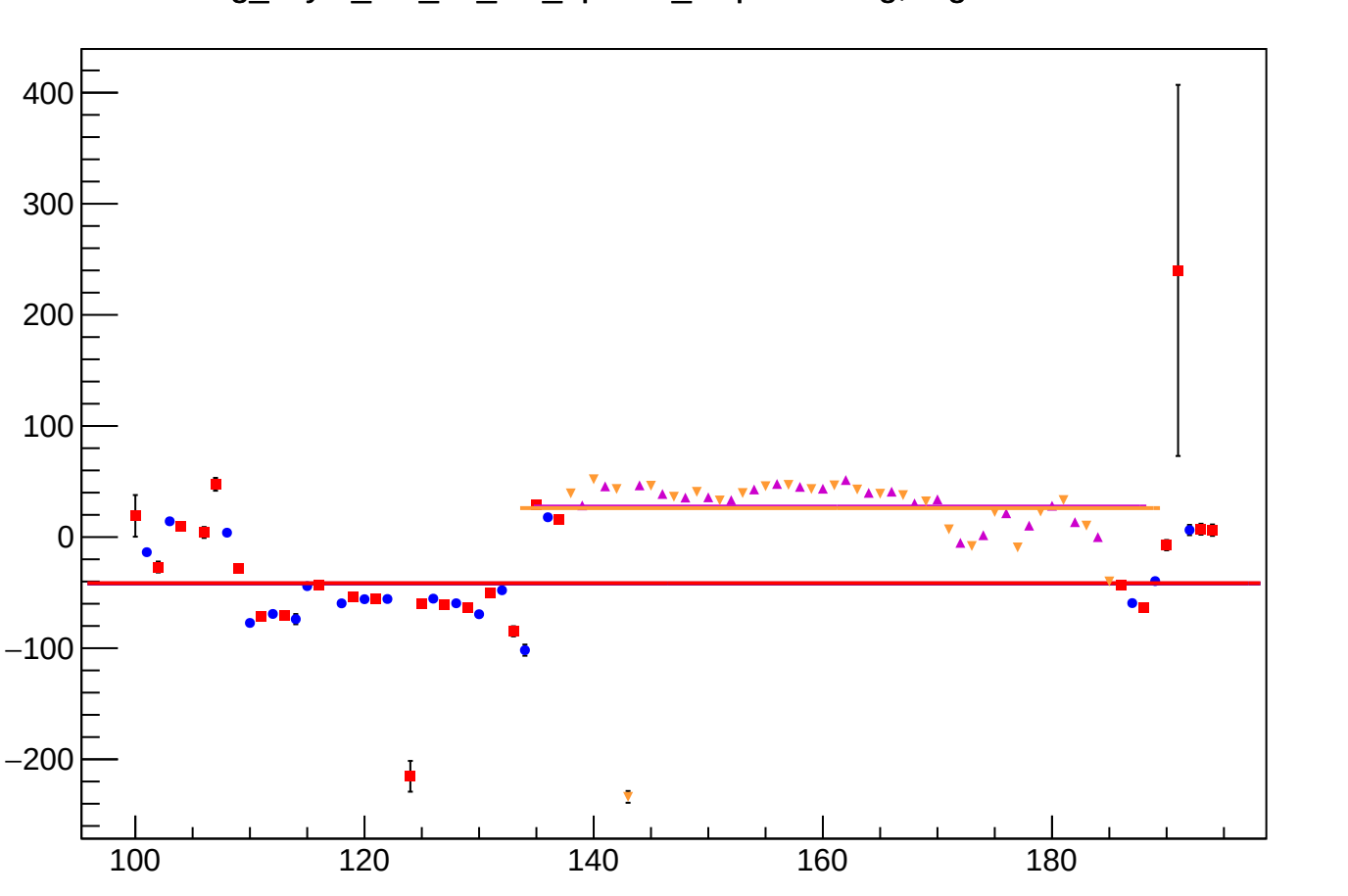
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -241.645+/-0.096 χ^2/NDF: 244131.5/43

In: -257.463+/-0.068 χ^2/NDF:220997.4/41

Out: -248.484+/-0.065 χ^2/NDF:364612.3/49

All: -252.746+/-0.047 χ^2/NDF: 594726.4/91



Right In: -41.792+/-0.669 χ^2/NDF: 2559.5/18

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -41.503+/-0.568 χ^2/NDF: 2946.0/24

Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

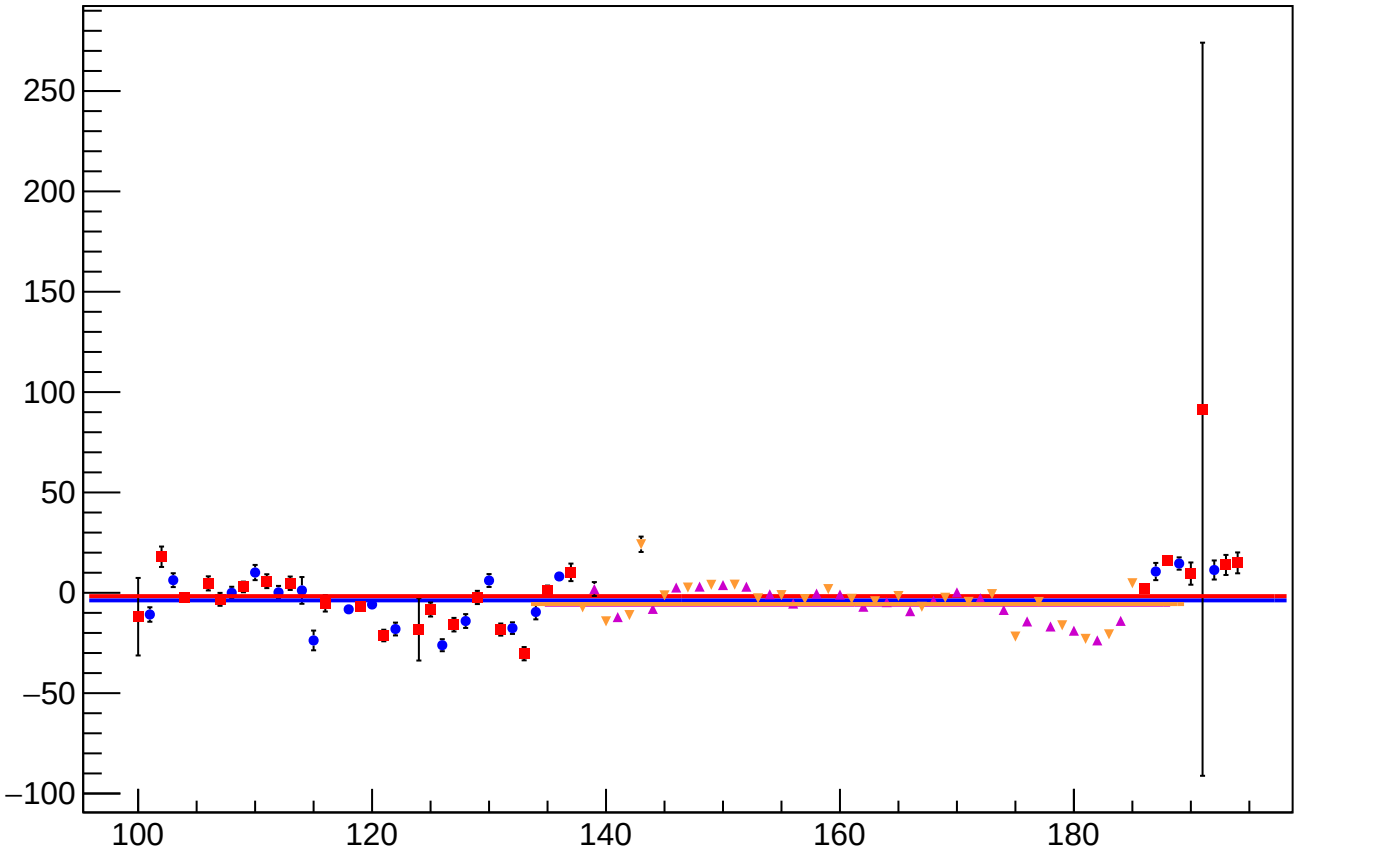
Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

Right: -41.624+/-0.433 χ^2/NDF: 5505.6/43

In: 9.506+/-0.341 χ^2/NDF:12109.0/41

Out: 4.469+/-0.321 χ^2/NDF:17352.9/49

All: 6.841+/-0.234 χ^2/NDF: 29577.6/91



Right In: -3.767+/-0.713 χ^2/NDF: 260.5/18

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: -1.662+/-0.646 χ^2/NDF: 318.4/24

Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

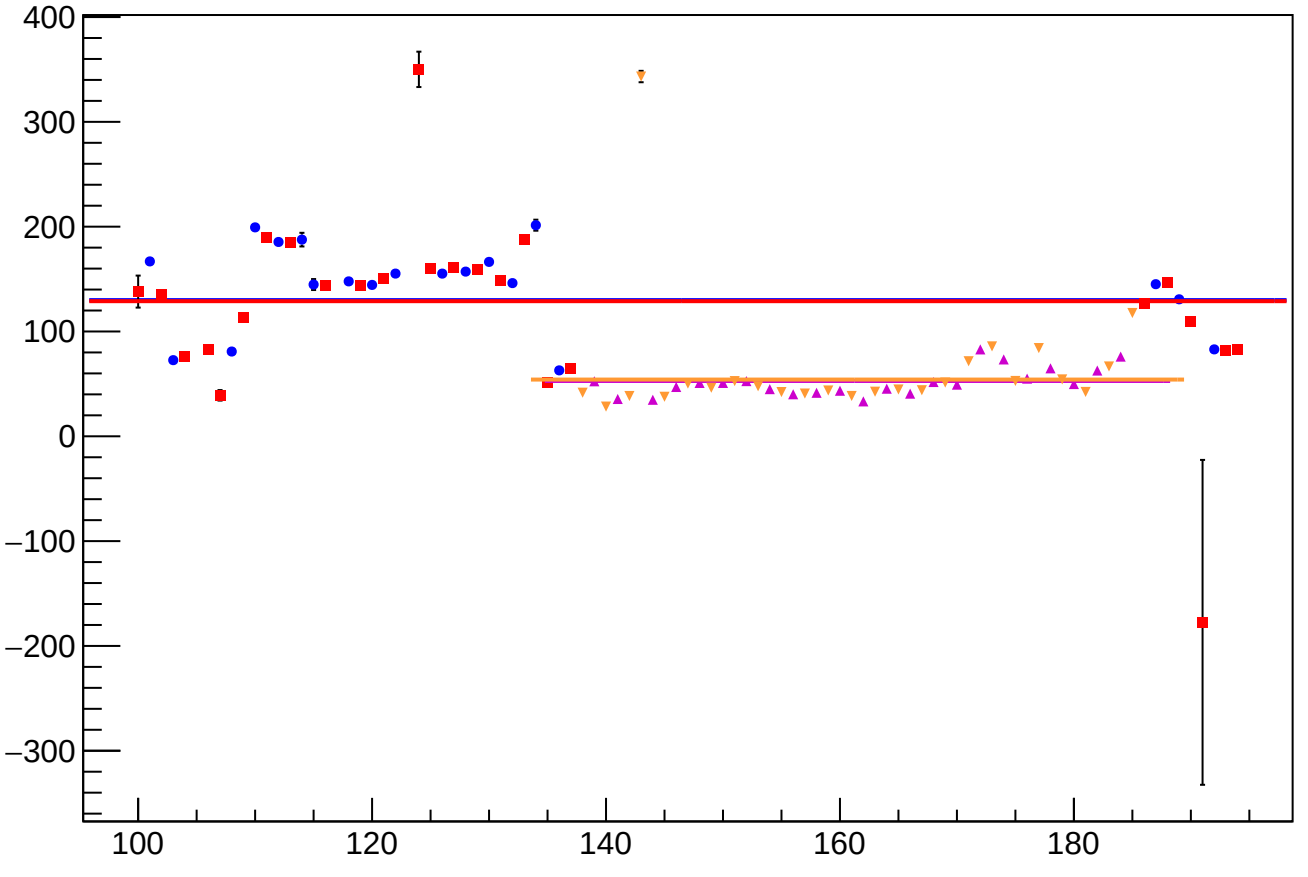
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: -2.611+/-0.479 χ^2/NDF: 583.7/43

In: -5.596+/-0.284 χ^2/NDF:980.6/41

Out: -4.915+/-0.274 χ^2/NDF:1242.7/49

All: -5.243+/-0.197 χ^2/NDF: 2226.2/91



Right In: 129.932+/-0.704 χ^2/NDF: 3811.0/18

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 128.912+/-0.577 χ^2/NDF: 3989.5/24

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

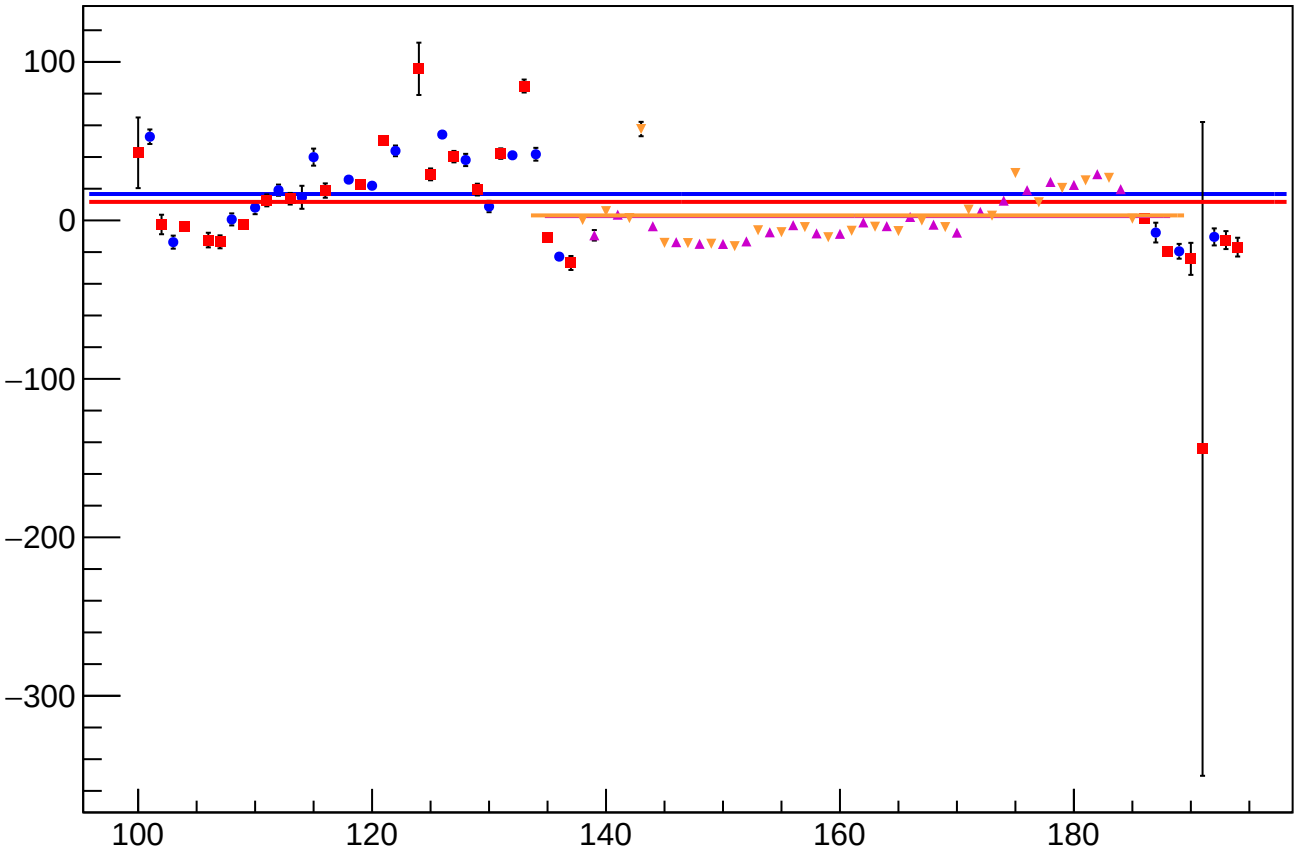
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 129.323+/-0.446 χ^2/NDF: 7801.8/43

In: 71.101+/-0.343 χ^2/NDF:13949.4/41

Out: 77.329+/-0.322 χ^2/NDF:20153.3/49

All: 74.414+/-0.235 χ^2/NDF: 34278.3/91



Right In: 16.656+/-0.828 χ^2/NDF: 966.1/18

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 11.683+/-0.772 χ^2/NDF: 1136.9/24

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

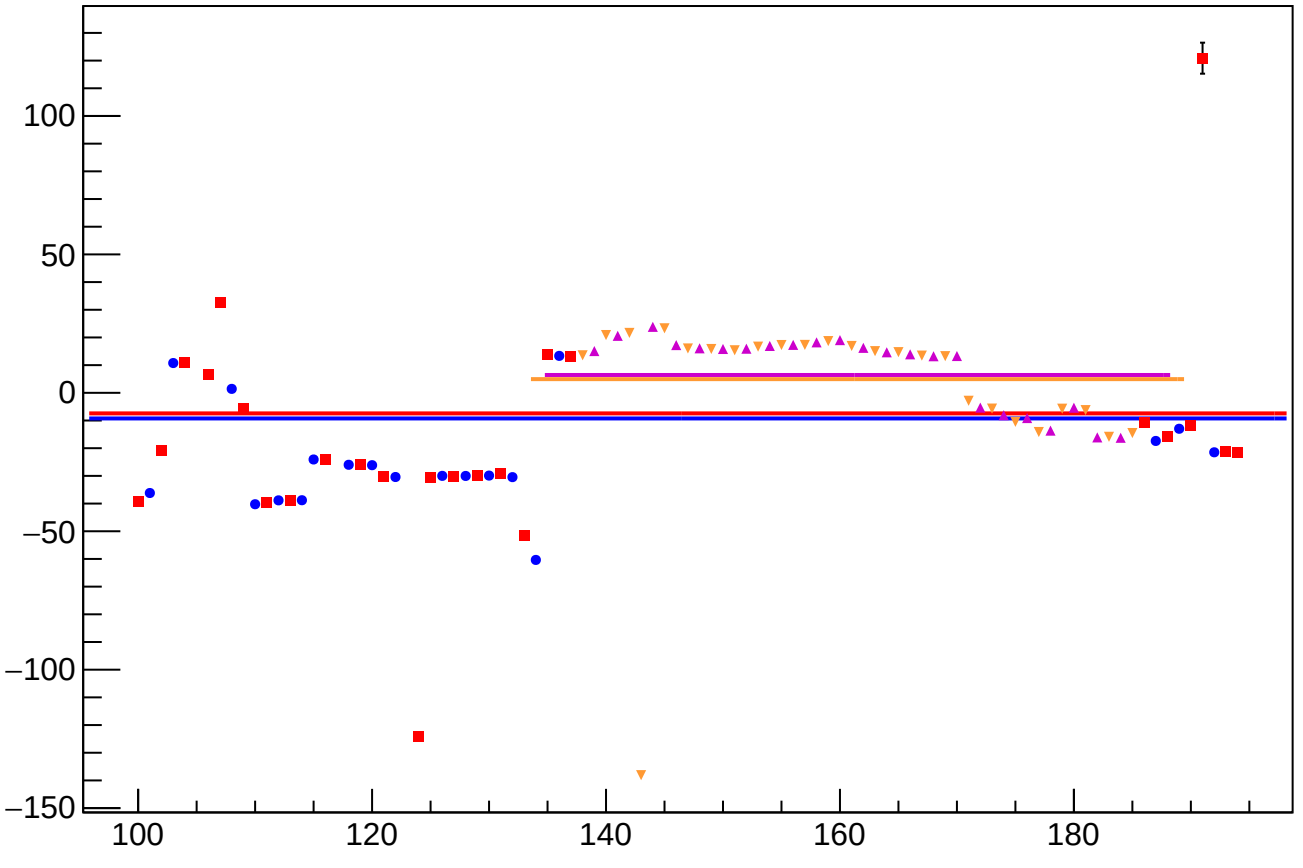
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 13.996+/-0.565 χ^2/NDF: 2122.4/43

In: 4.800+/-0.320 χ^2/NDF:2942.2/41

Out: 4.539+/-0.311 χ^2/NDF:3251.5/49

All: 4.666+/-0.223 χ^2/NDF: 6194.1/91



Right In: -9.257+/-0.043 χ^2/NDF: 274642.8/18

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -7.430+/-0.041 χ^2/NDF: 248923.6/24

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

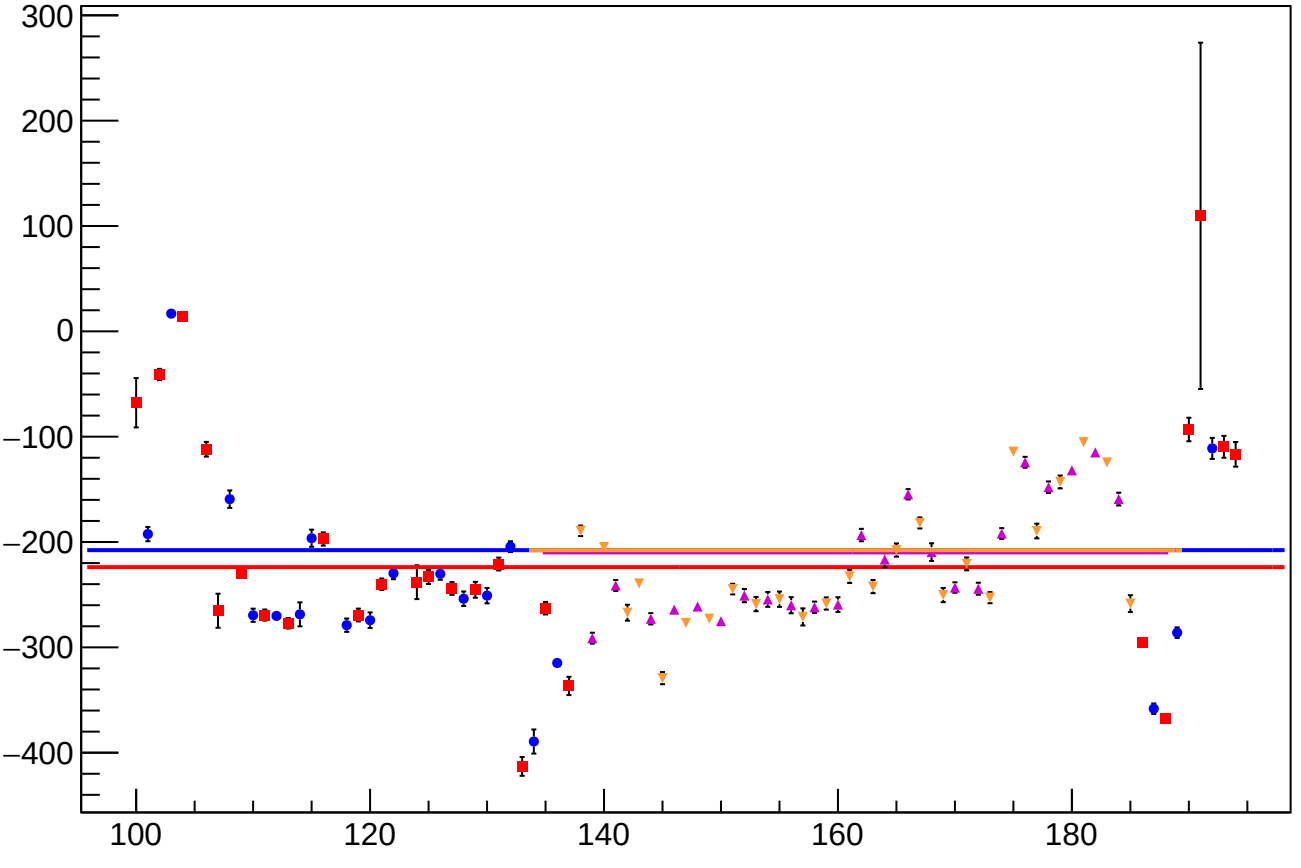
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -8.303+/-0.030 χ^2/NDF: 524513.4/43

In: 4.665+/-0.014 χ^2/NDF:1123088.0/41

Out: 3.450+/-0.014 χ^2/NDF:1465376.7/49

All: 4.050+/-0.010 χ^2/NDF: 2592047.9/91



Right In: -207.720+/-1.305 χ^2/NDF: 8606.8/18

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -223.870+/-1.147 χ^2/NDF: 11934.9/24

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

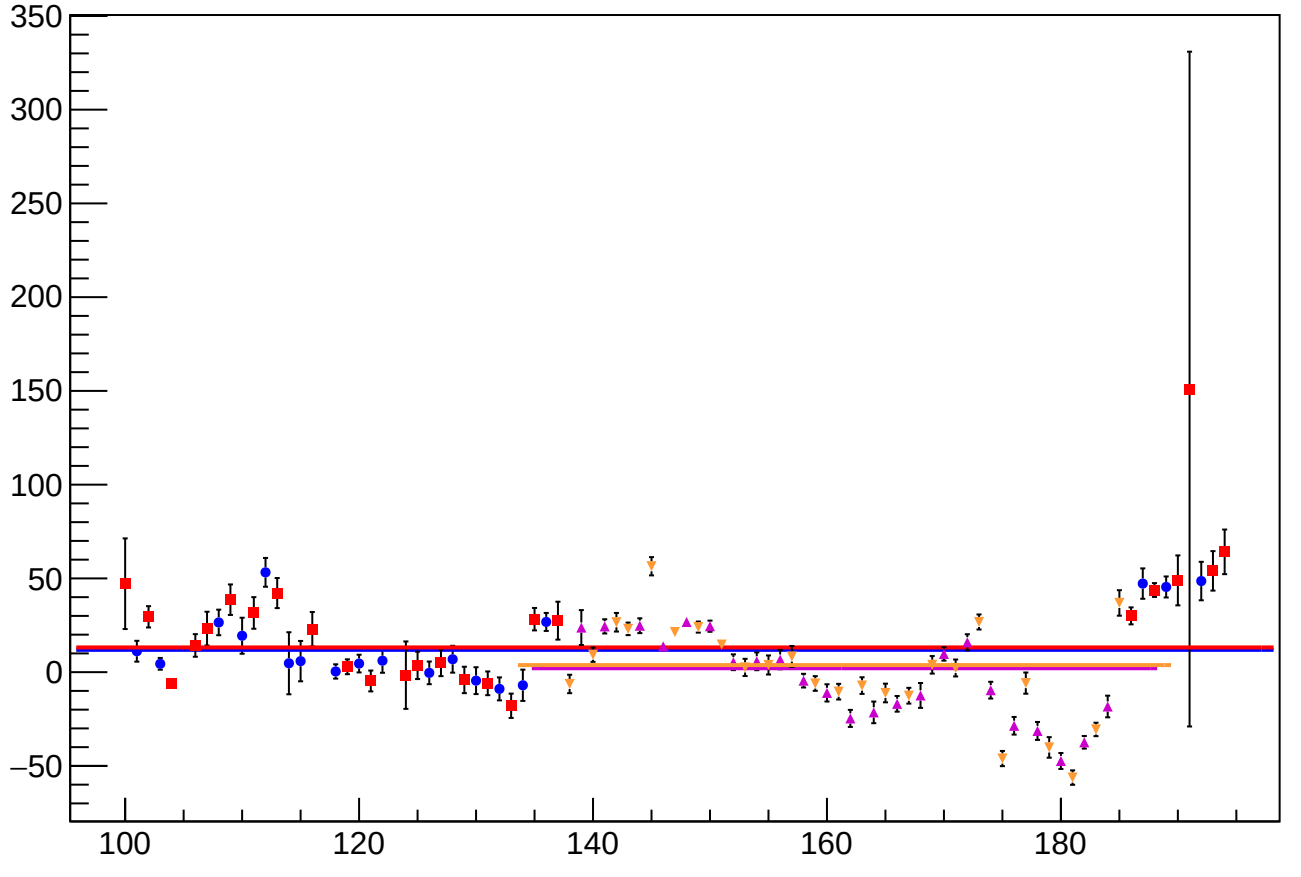
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

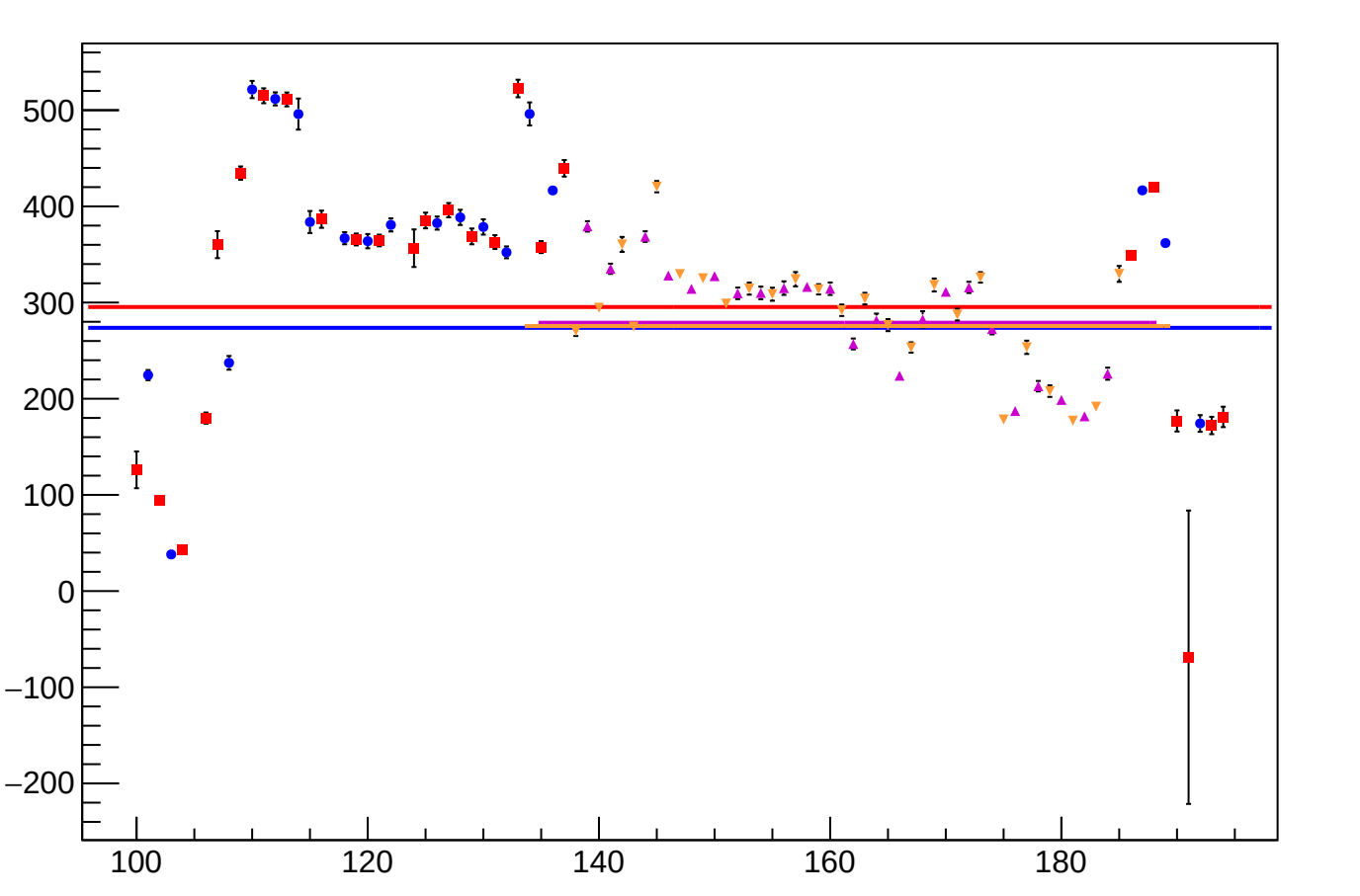
Right: -216.835+/-0.861 χ^2/NDF: 20628.1/43

In: -208.979+/-0.842 χ^2/NDF:11620.3/41

Out: -215.249+/-0.782 χ^2/NDF:15527.8/49

All: -212.343+/-0.573 χ^2/NDF: 27177.9/91


reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
350
300
250
200
150
100
50
0
−50
100
120
140
160
180
Right In: 11.903+/-1.361 χ²/NDF: 156.5/18
Left Out: 3.770+/-0.787 χ²/NDF:972.1/24
Right Out: 13.189+/-1.205 χ²/NDF: 295.0/24
Left In: 2.079+/-0.820 χ²/NDF:770.2/22
Left: 2.959+/-0.568 χ²/NDF: 1744.5/47
Right: 12.623+/-0.902 χ²/NDF: 452.0/43
In: 4.697+/-0.702 χ²/NDF:964.9/41
Out: 6.586+/-0.659 χ²/NDF:1309.9/49
All: 5.701+/-0.481 χ²/NDF: 2278.7/91



Right In: 273.712+/-1.265 χ^2/NDF: 17399.4/18

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 295.355+/-1.074 χ^2/NDF: 21489.1/24

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

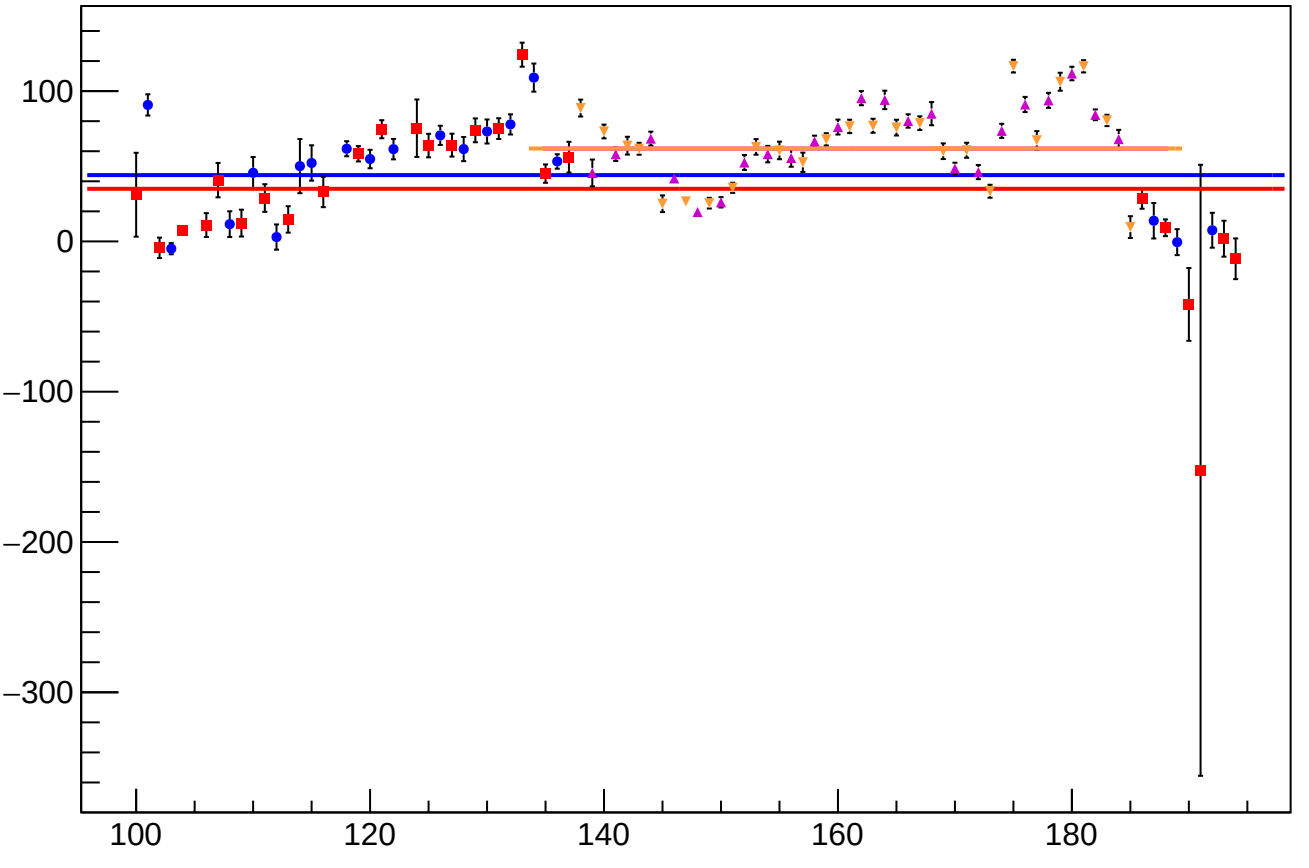
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 286.287+/-0.819 χ^2/NDF: 39058.6/43

In: 276.743+/-0.825 χ^2/NDF:20524.0/41

Out: 285.334+/-0.755 χ^2/NDF:24984.4/49

All: 281.418+/-0.557 χ^2/NDF: 45567.4/91



Right In: 44.110+/-1.606 χ^2/NDF: 431.9/18

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 35.007+/-1.472 χ^2/NDF: 476.2/24

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

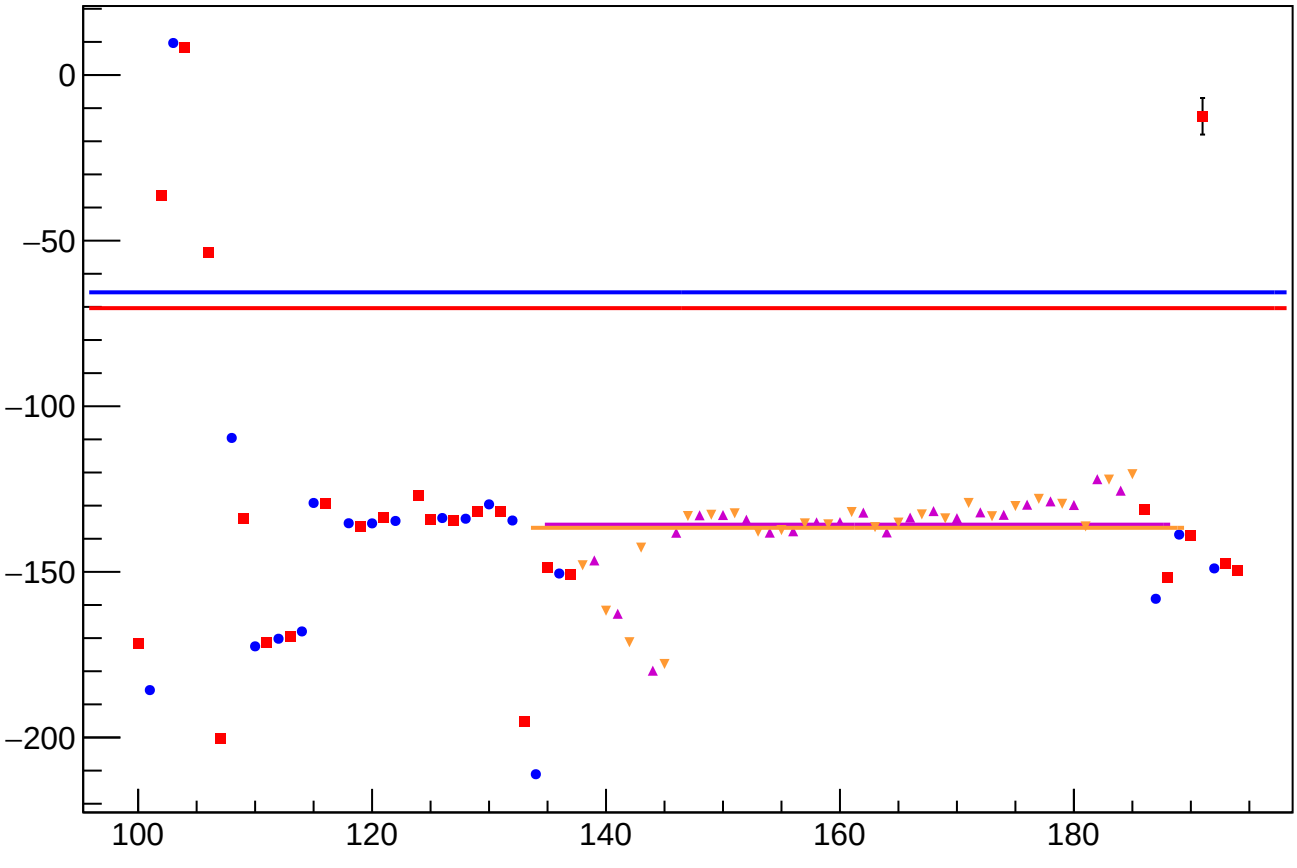
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 39.161+/-1.085 χ^2/NDF: 925.6/43

In: 57.269+/-0.810 χ^2/NDF:1258.0/41

Out: 54.432+/-0.772 χ^2/NDF:1676.2/49

All: 55.782+/-0.559 χ^2/NDF: 2940.6/91



Right In: -65.602+/-0.070 χ^2/NDF: 1338089.6/18

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -70.377+/-0.069 χ^2/NDF: 1081247.4/24

Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

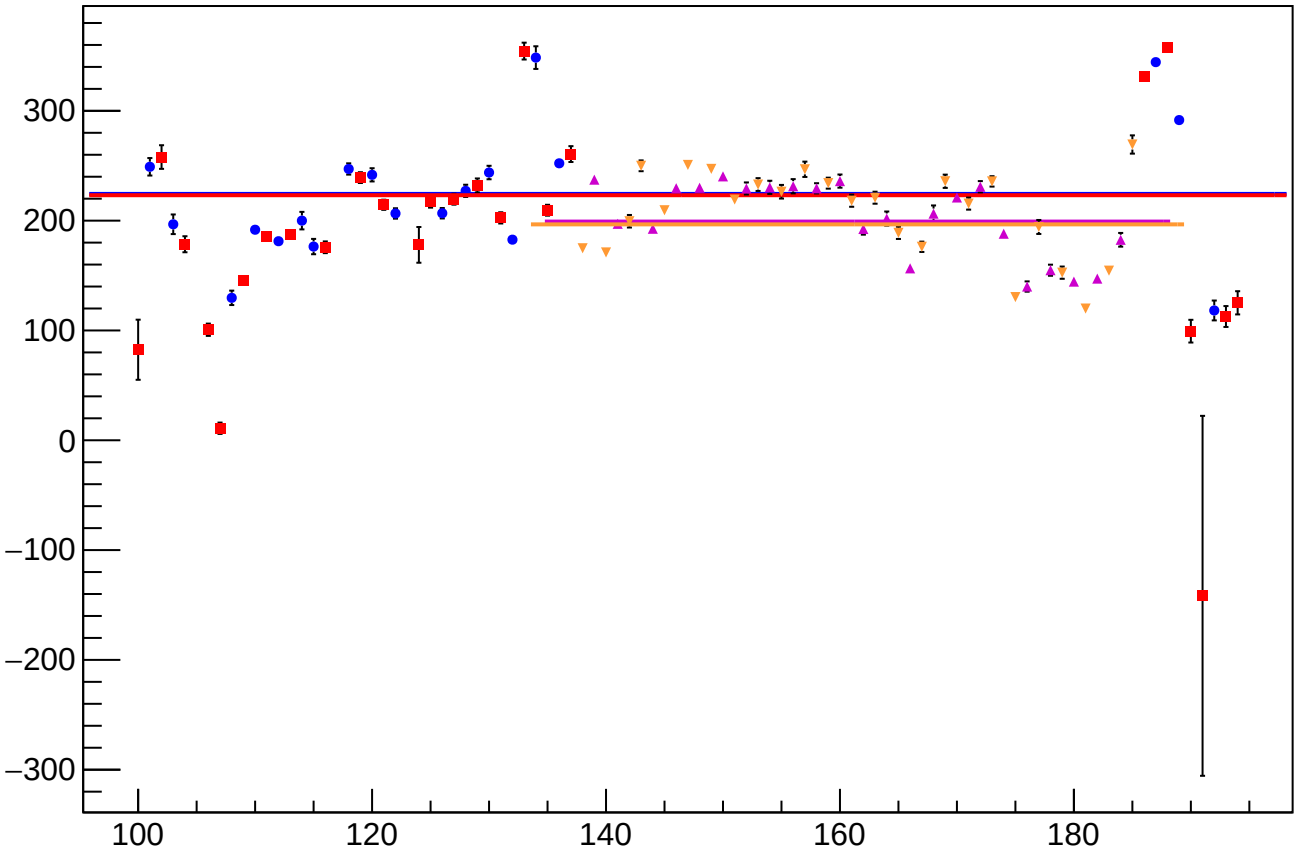
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -68.028+/-0.049 χ^2/NDF: 2421715.5/43

In: -116.574+/-0.036 χ^2/NDF:2135728.0/41

Out: -118.489+/-0.036 χ^2/NDF:1836715.3/49

All: -117.545+/-0.026 χ^2/NDF: 3973840.7/91



Right In: 224.344+/-1.191 χ^2/NDF: 1950.3/18

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 223.163+/-1.016 χ^2/NDF: 7837.0/24

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

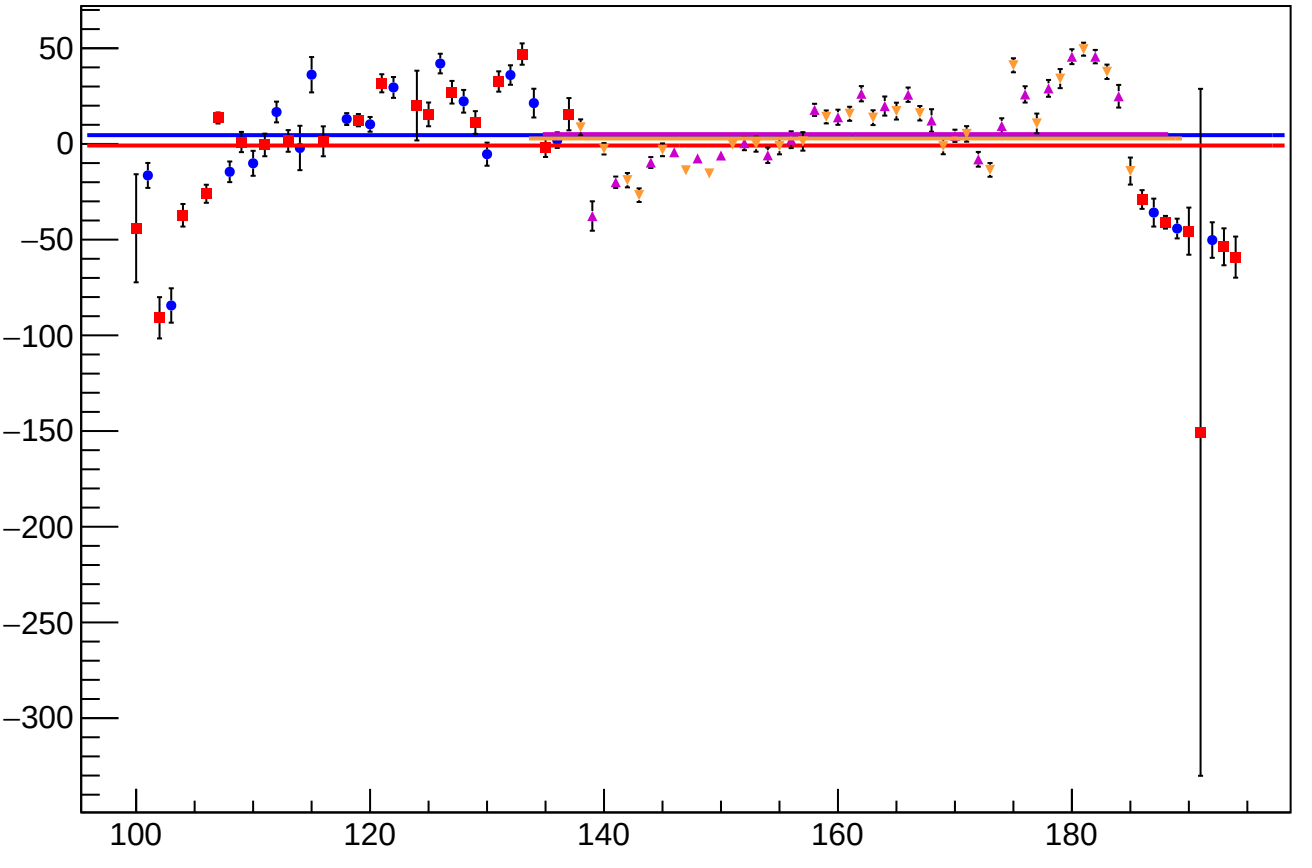
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

Right: 223.660+/-0.773 χ^2/NDF: 9787.9/43

In: 209.231+/-0.753 χ^2/NDF:3513.2/41

Out: 208.953+/-0.692 χ^2/NDF:10278.3/49

All: 209.080+/-0.510 χ^2/NDF: 13791.5/91



Right In: 4.595+/-1.259 χ^2/NDF: 436.8/18

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -0.818+/-1.101 χ^2/NDF: 632.9/24

Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

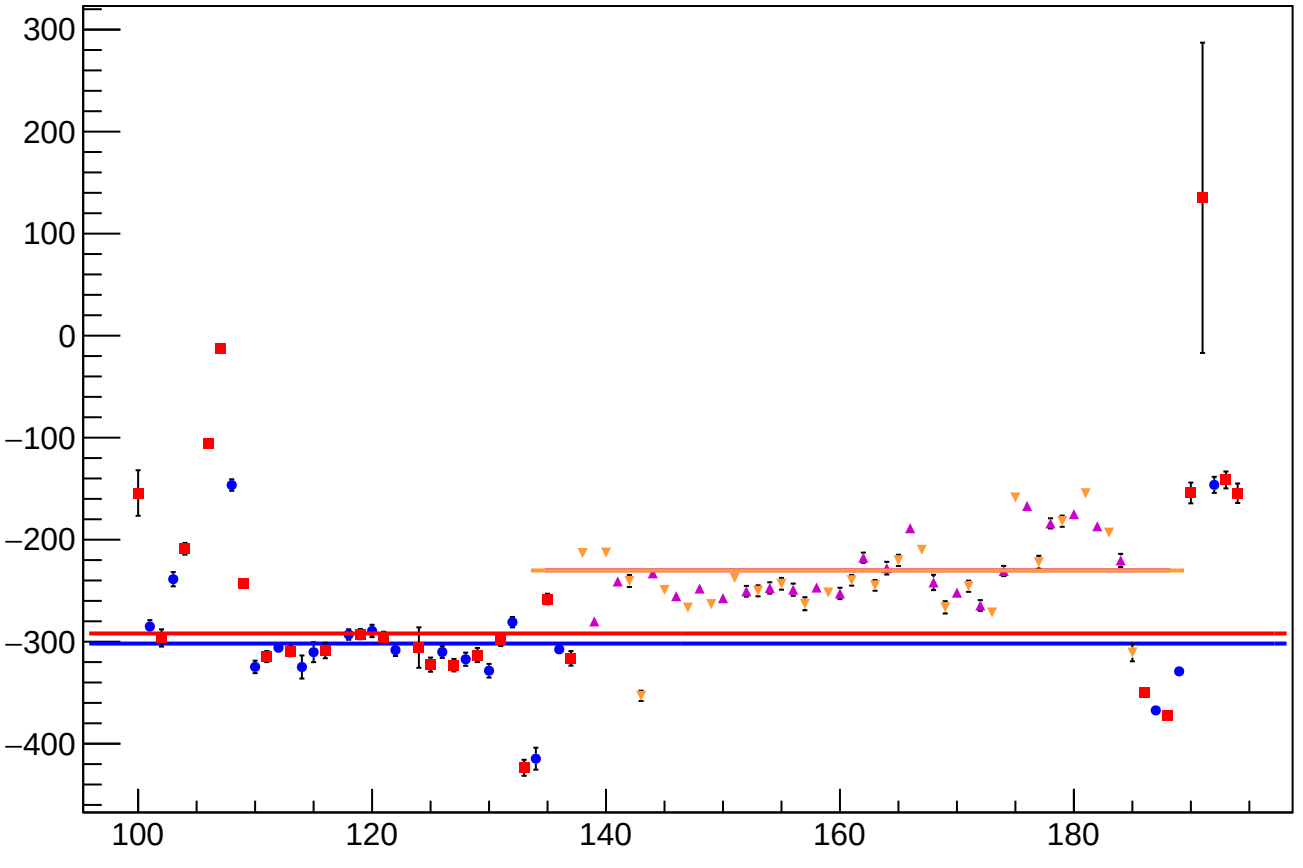
Left: 3.958+/-0.499 χ^2/NDF: 1386.5/47

Right: 1.527+/-0.829 χ^2/NDF: 1080.2/43

In: 4.995+/-0.624 χ^2/NDF:1065.5/41

Out: 1.823+/-0.586 χ^2/NDF:1393.7/49

All: 3.312+/-0.427 χ^2/NDF: 2473.0/91



Right In: -301.834+/-1.267 χ^2/NDF: 1778.4/18

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -291.943+/-1.031 χ^2/NDF: 9171.7/24

Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

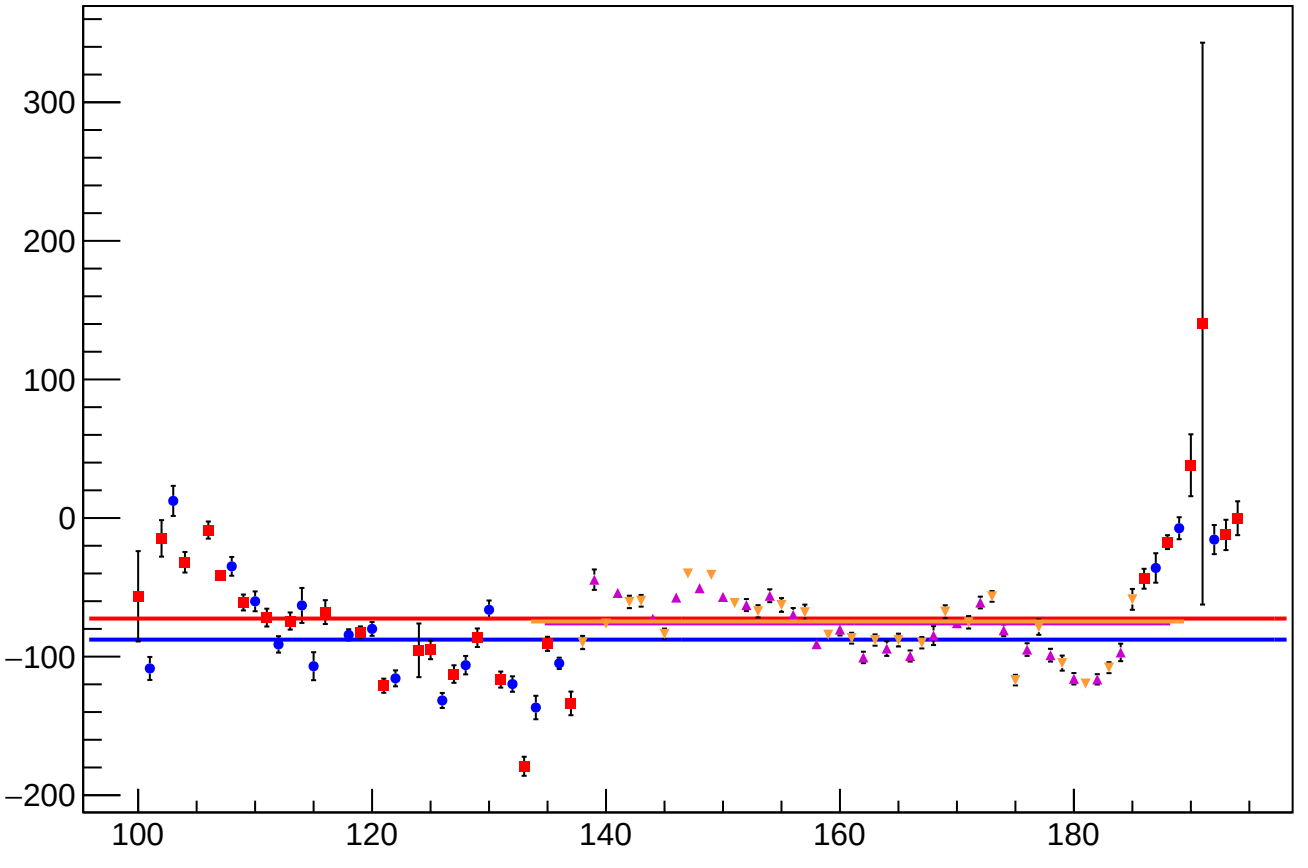
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -295.883+/-0.800 χ^2/NDF: 10986.7/43

In: -256.257+/-0.766 χ^2/NDF:4909.8/41

Out: -258.183+/-0.694 χ^2/NDF:13315.0/49

All: -257.314+/-0.514 χ^2/NDF: 18228.3/91



Right In: -87.735+/-1.477 χ^2/NDF: 542.2/18

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -72.529+/-1.325 χ^2/NDF: 976.0/24

Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

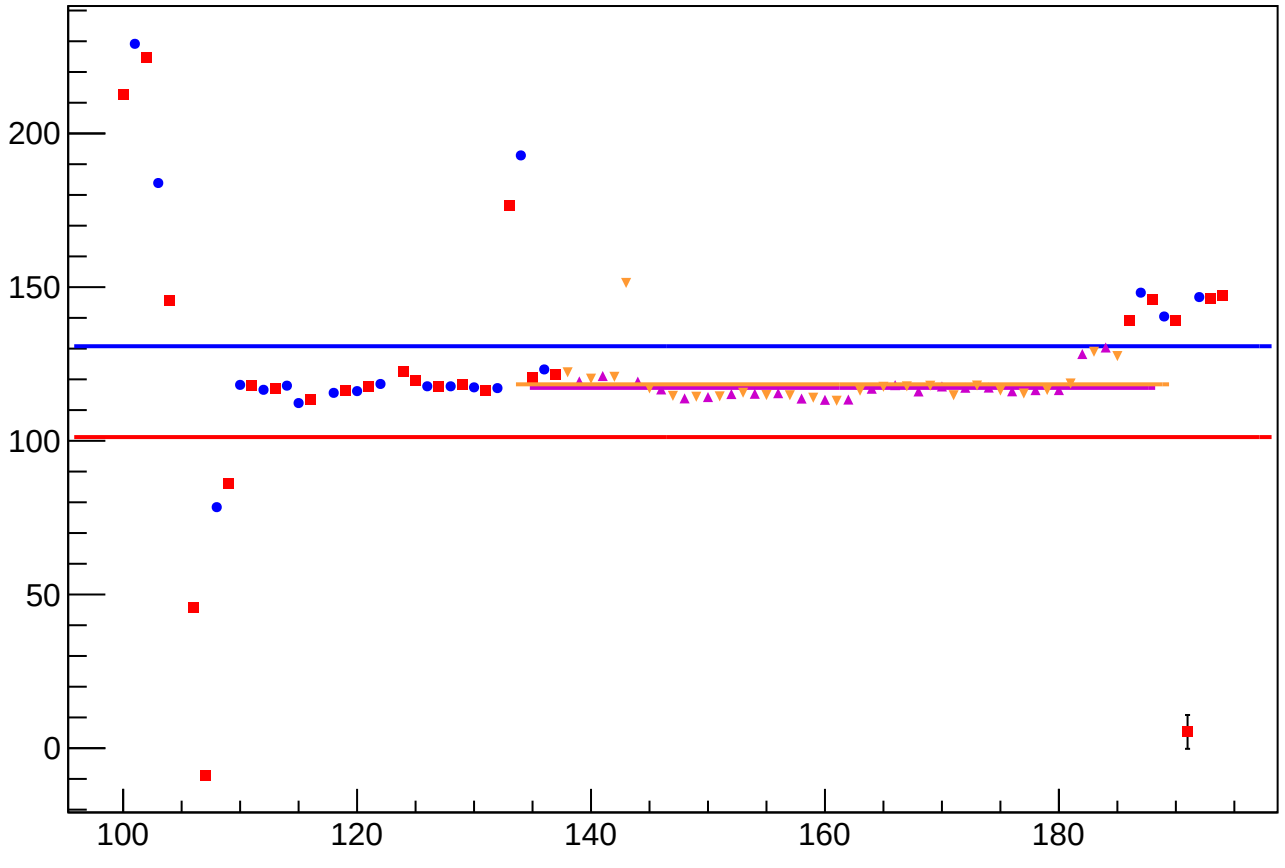
Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

Right: -79.311+/-0.986 χ^2/NDF: 1577.0/43

In: -78.806+/-0.720 χ^2/NDF:1236.2/41

Out: -74.078+/-0.685 χ^2/NDF:1808.9/49

All: -76.327+/-0.496 χ^2/NDF: 3067.7/91



Right In: 130.777+/-0.083 χ^2/NDF: 187866.9/18

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 101.218+/-0.071 χ^2/NDF: 690458.0/24

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

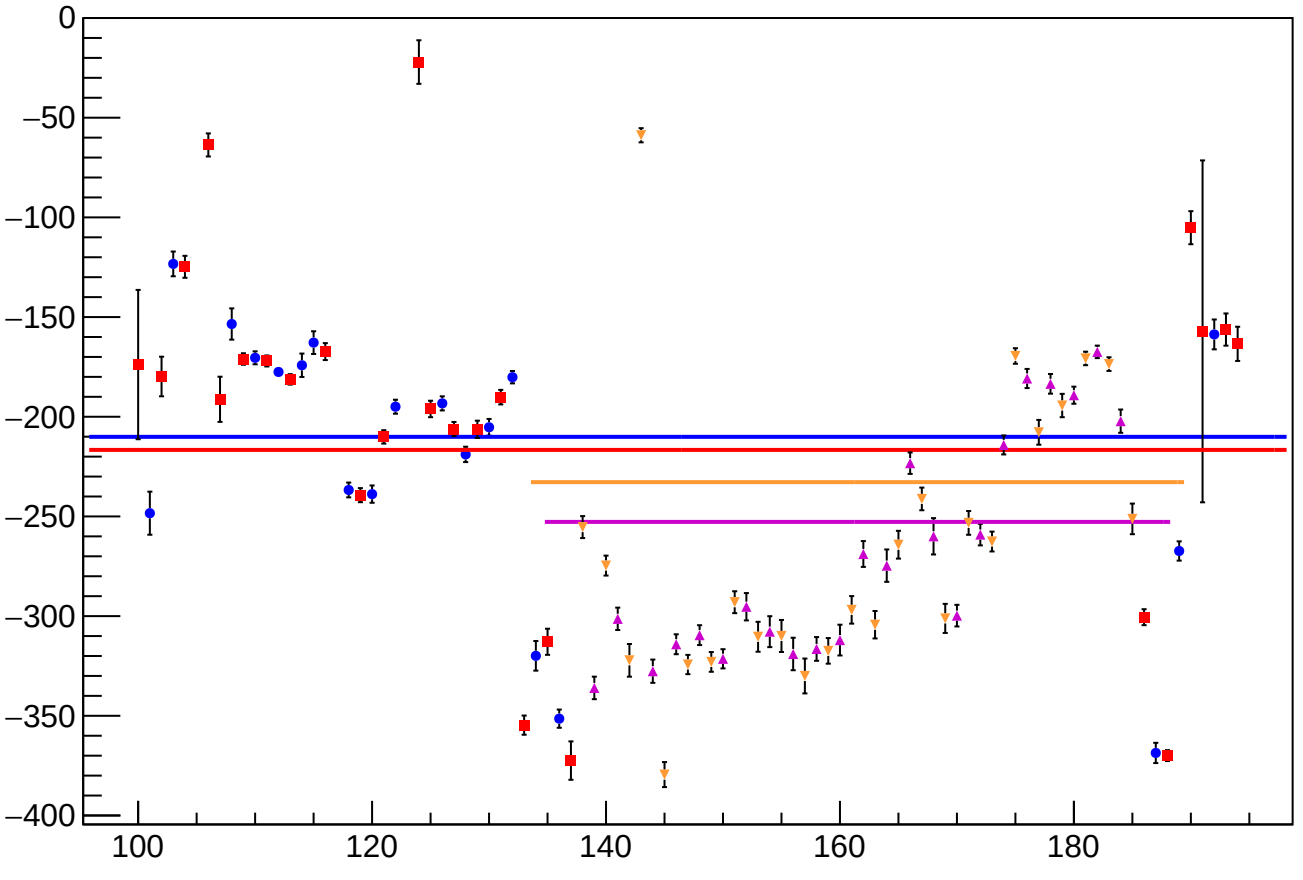
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 113.771+/-0.054 χ^2/NDF: 950966.6/43

In: 119.524+/-0.034 χ^2/NDF:220131.8/41

Out: 114.712+/-0.033 χ^2/NDF:770737.3/49

All: 117.031+/-0.024 χ^2/NDF: 1001089.6/91



Right In: -210.074+/-0.975 χ^2/NDF: 3264.3/18

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -216.627+/-0.879 χ^2/NDF: 7440.0/24

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

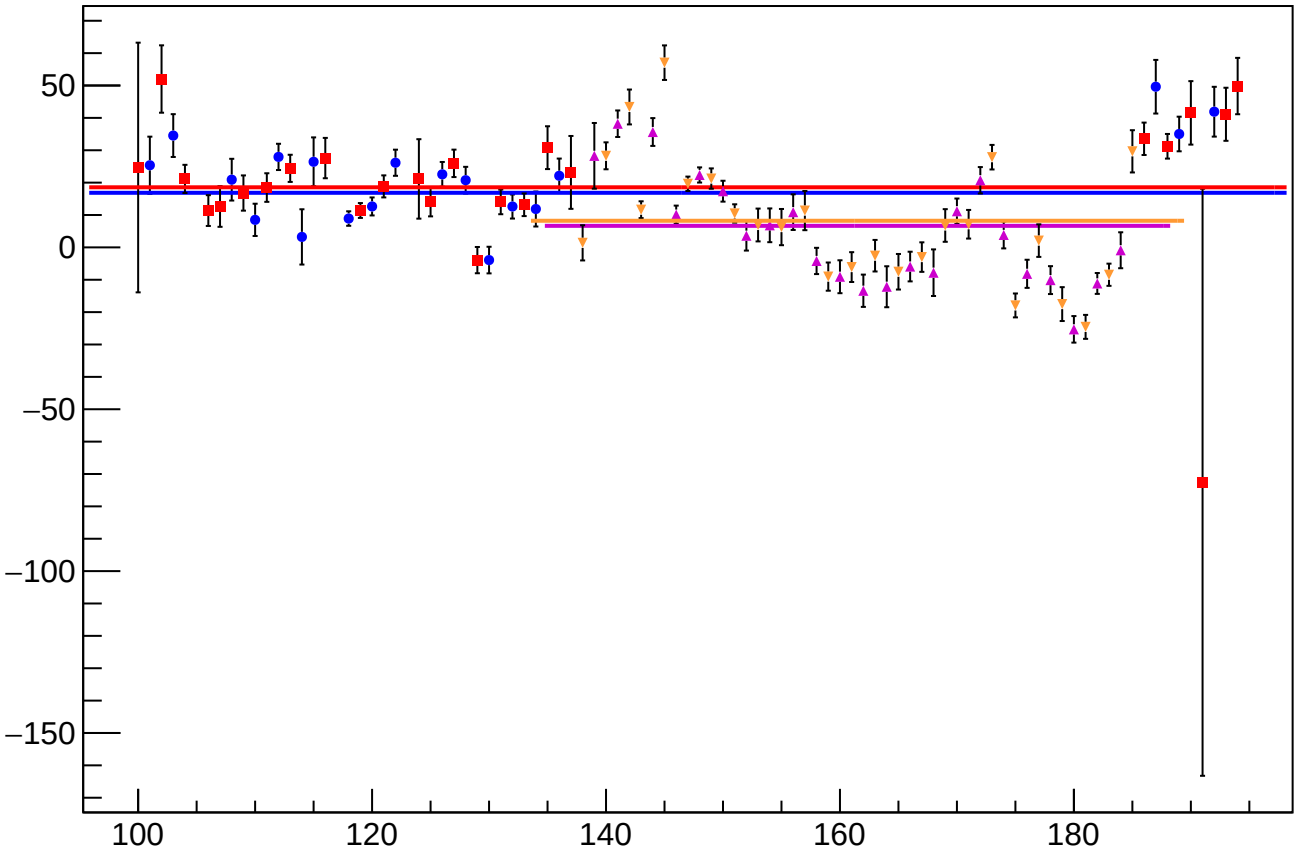
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -213.686+/-0.653 χ^2/NDF: 10729.3/43

In: -228.257+/-0.738 χ^2/NDF:6995.1/41

Out: -223.131+/-0.680 χ^2/NDF:13340.1/49

All: -225.484+/-0.500 χ^2/NDF: 20361.3/91



Right In: 16.861+/-1.012 χ^2/NDF: 112.7/18

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 18.558+/-0.963 χ^2/NDF: 117.0/24

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

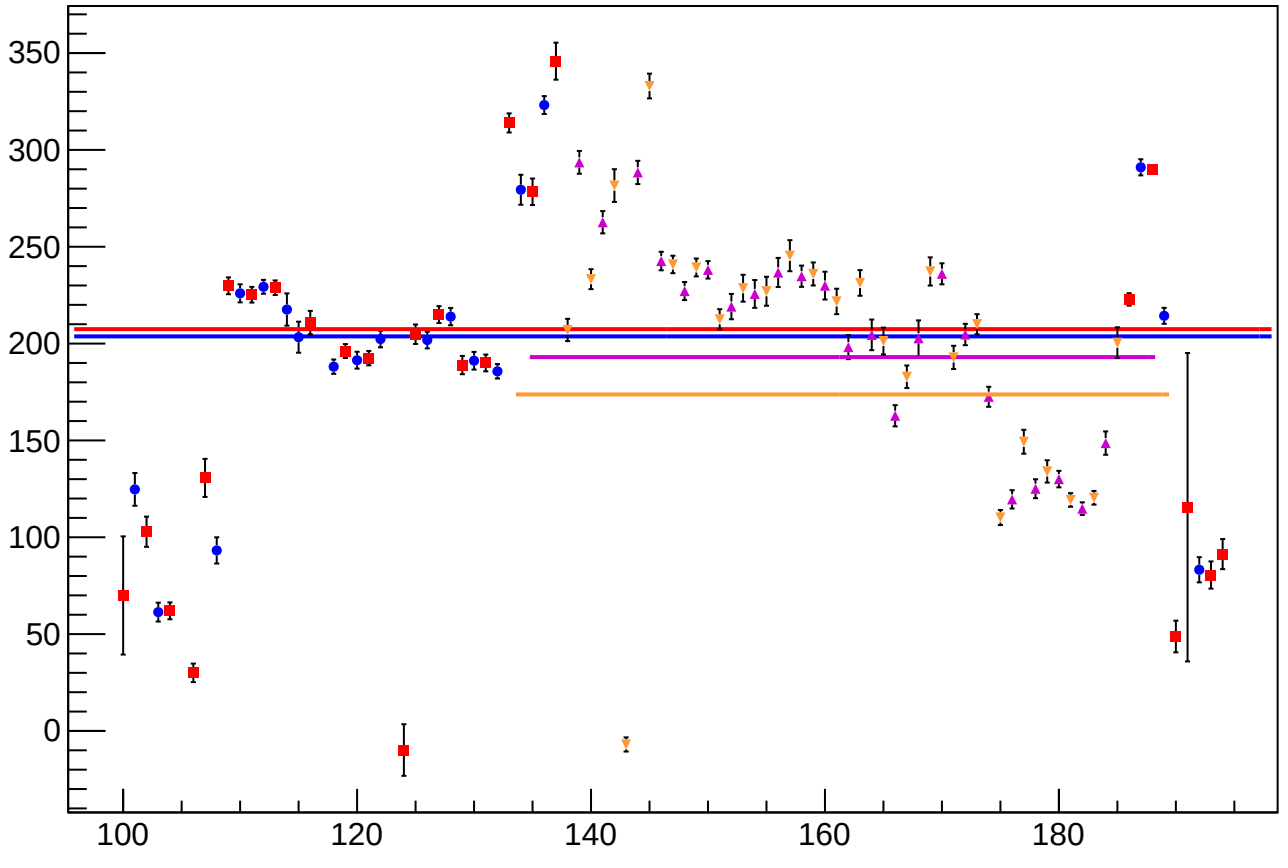
Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

Right: 17.751+/-0.698 χ^2/NDF: 231.2/43

In: 10.928+/-0.654 χ^2/NDF:526.7/41

Out: 12.460+/-0.617 χ^2/NDF:642.9/49

All: 11.739+/-0.449 χ^2/NDF: 1172.5/91



Right In: 203.715+/-1.092 χ^2/NDF: 2899.7/18

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 207.459+/-0.949 χ^2/NDF: 6301.1/24

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

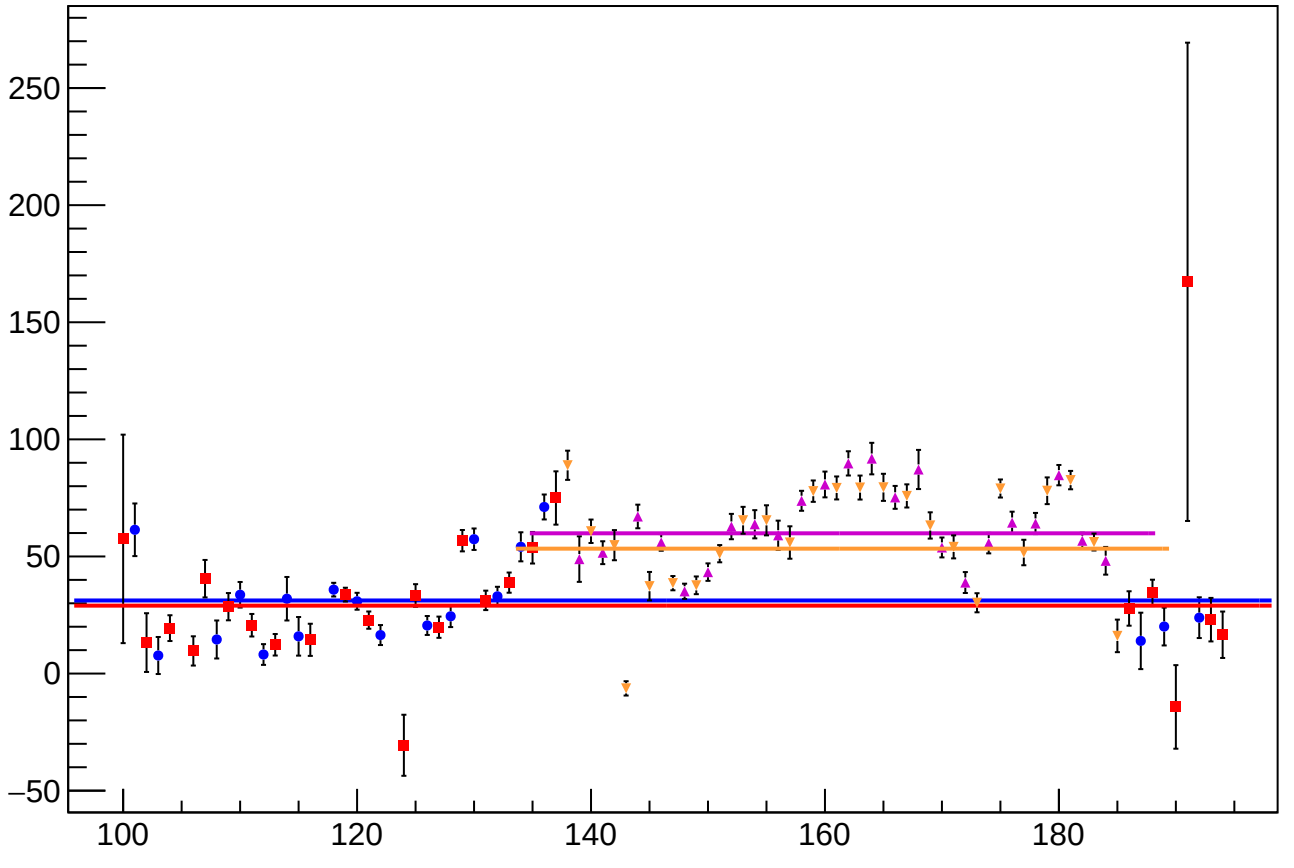
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 205.847+/-0.716 χ^2/NDF: 9207.5/43

In: 198.517+/-0.782 χ^2/NDF:5458.3/41

Out: 192.598+/-0.710 χ^2/NDF:12118.2/49

All: 195.269+/-0.526 χ^2/NDF: 17607.9/91



Right In: 31.210+/-1.186 χ^2/NDF: 181.9/18

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 29.003+/-1.137 χ^2/NDF: 151.6/24

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

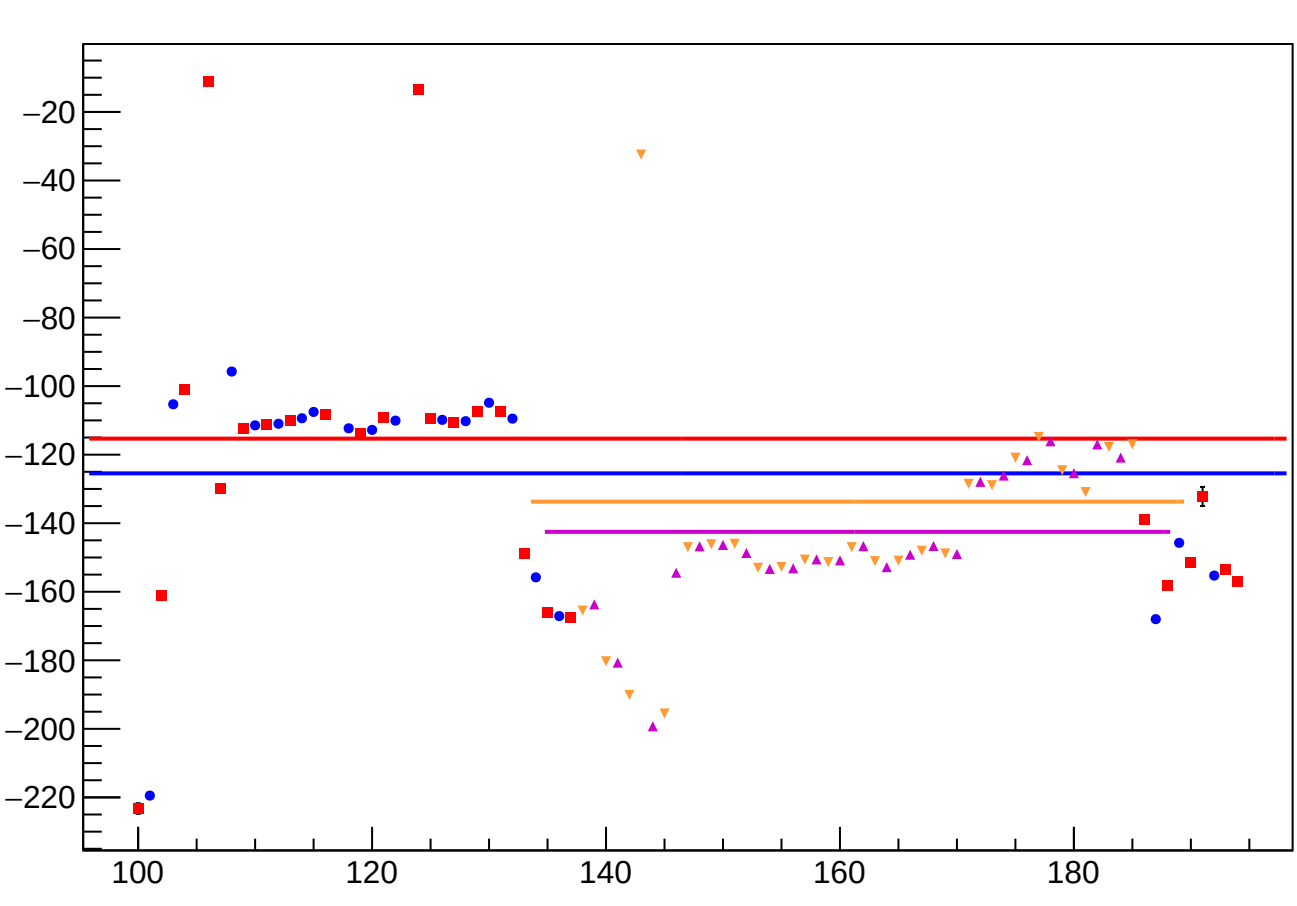
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 30.060+/-0.821 χ^2/NDF: 335.3/43

In: 48.294+/-0.754 χ^2/NDF:781.5/41

Out: 43.684+/-0.716 χ^2/NDF:1206.8/49

All: 45.870+/-0.519 χ^2/NDF: 2007.9/91



Right In: -125.454+/-0.074 χ^2/NDF: 141606.7/18

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -115.321+/-0.067 χ^2/NDF: 440768.9/24

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

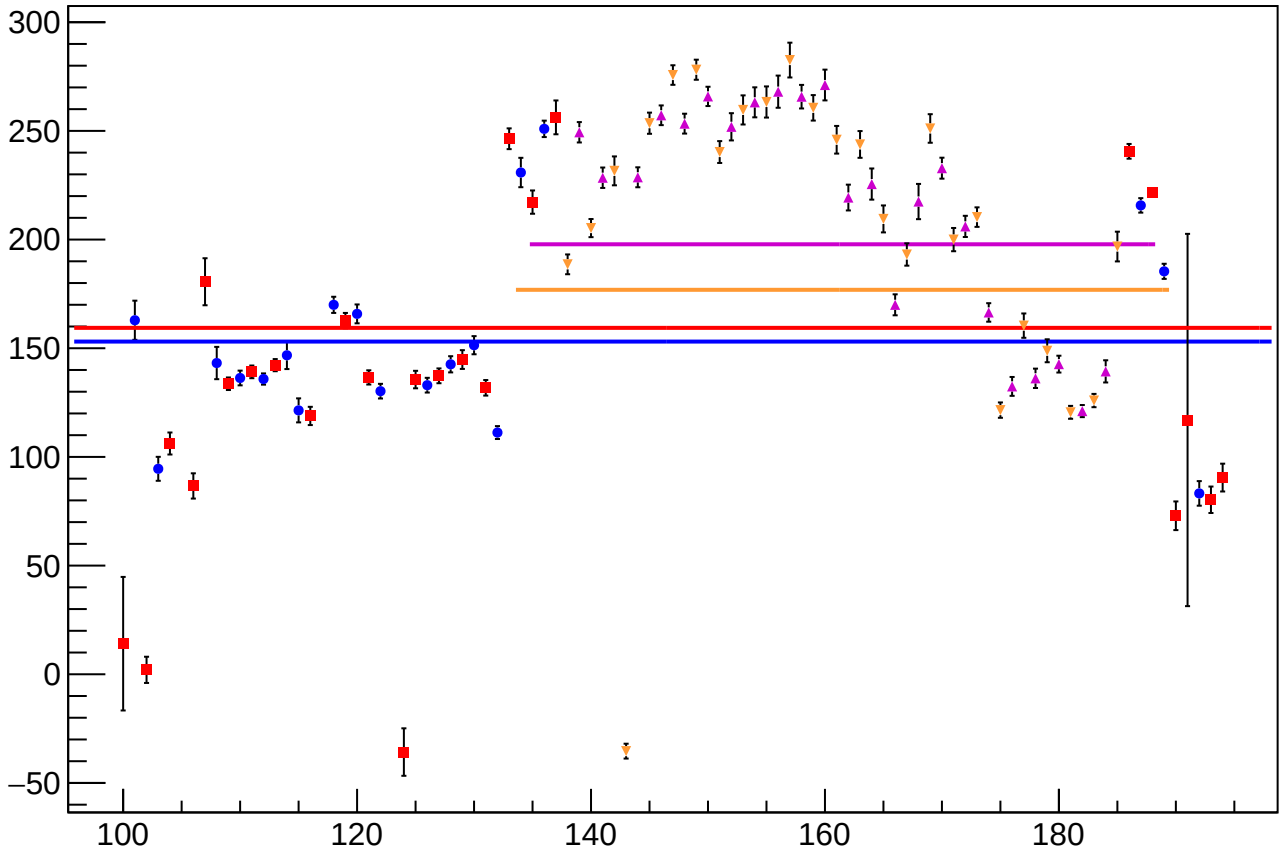
Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

Right: -119.890+/-0.050 χ^2/NDF: 592722.4/43

In: -137.982+/-0.038 χ^2/NDF:359325.1/41

Out: -128.362+/-0.036 χ^2/NDF:1170286.3/49

All: -132.915+/-0.026 χ^2/NDF: 1563268.1/91



Right In: 153.068+/-0.914 χ^2/NDF: 1931.8/18

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 159.378+/-0.800 χ^2/NDF: 4605.2/24

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

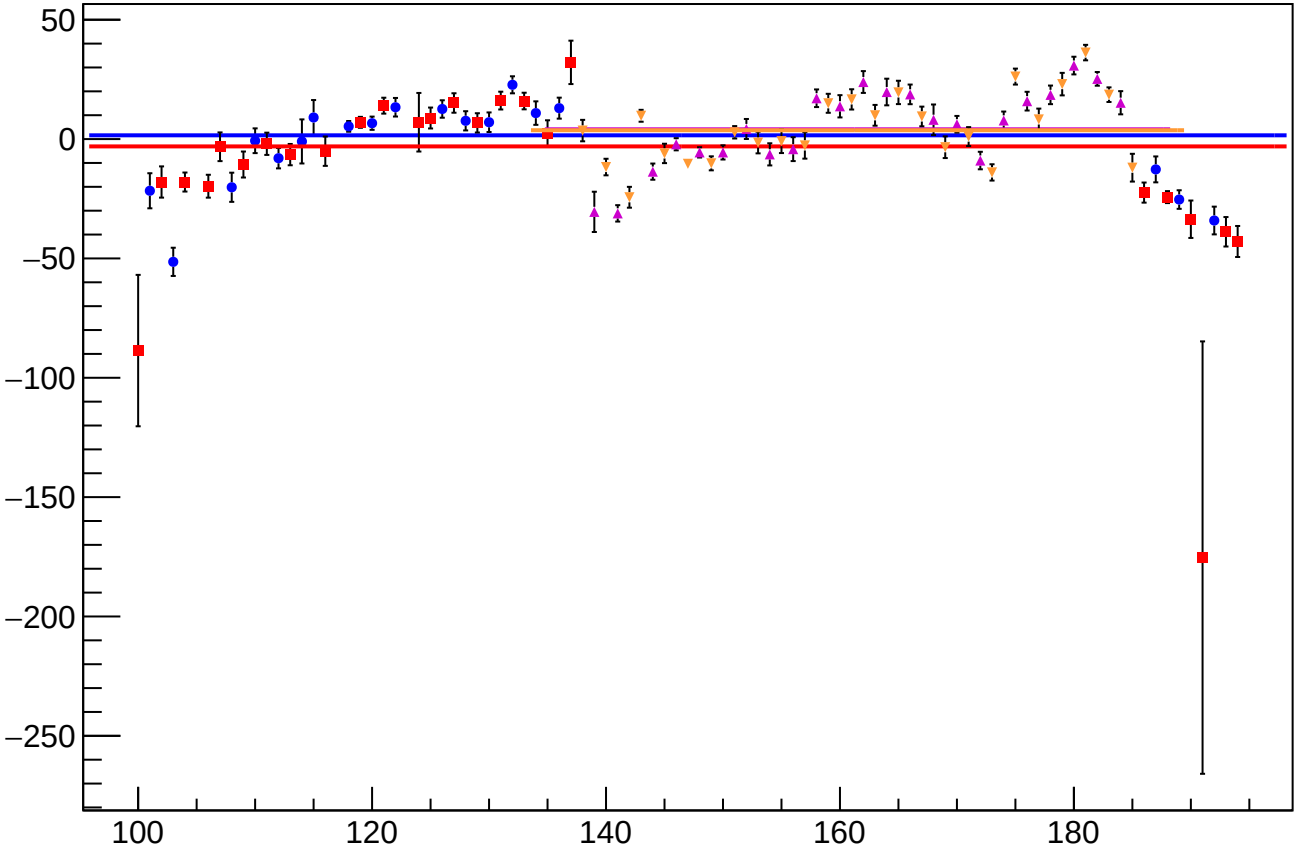
Right: 156.639+/-0.602 χ^2/NDF: 6564.0/43

In: 173.303+/-0.676 χ^2/NDF:5984.3/41

Out: 166.578+/-0.614 χ^2/NDF:12226.7/49

All: 169.616+/-0.455 χ^2/NDF: 18265.1/91

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.579+/-0.958 χ^2/NDF: 275.8/18

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -3.069+/-0.891 χ^2/NDF: 376.3/24

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

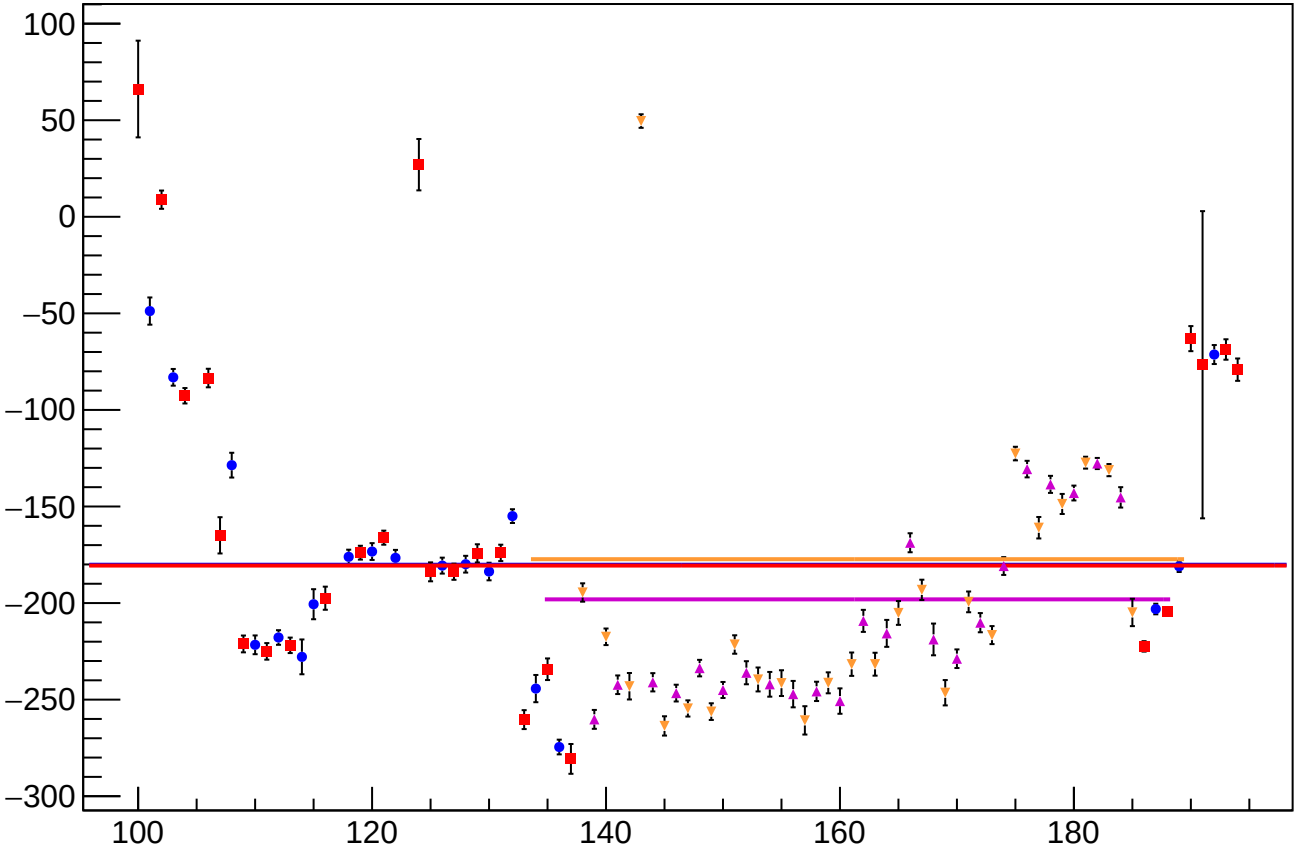
Right: -0.913+/-0.653 χ^2/NDF: 664.7/43

In: 3.114+/-0.600 χ^2/NDF:679.0/41

Out: 1.017+/-0.562 χ^2/NDF:812.1/49

All: 1.997+/-0.410 χ^2/NDF: 1497.6/91

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -180.156+/-0.979 χ^2/NDF: 2433.0/18

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -180.585+/-0.810 χ^2/NDF: 5300.7/24

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

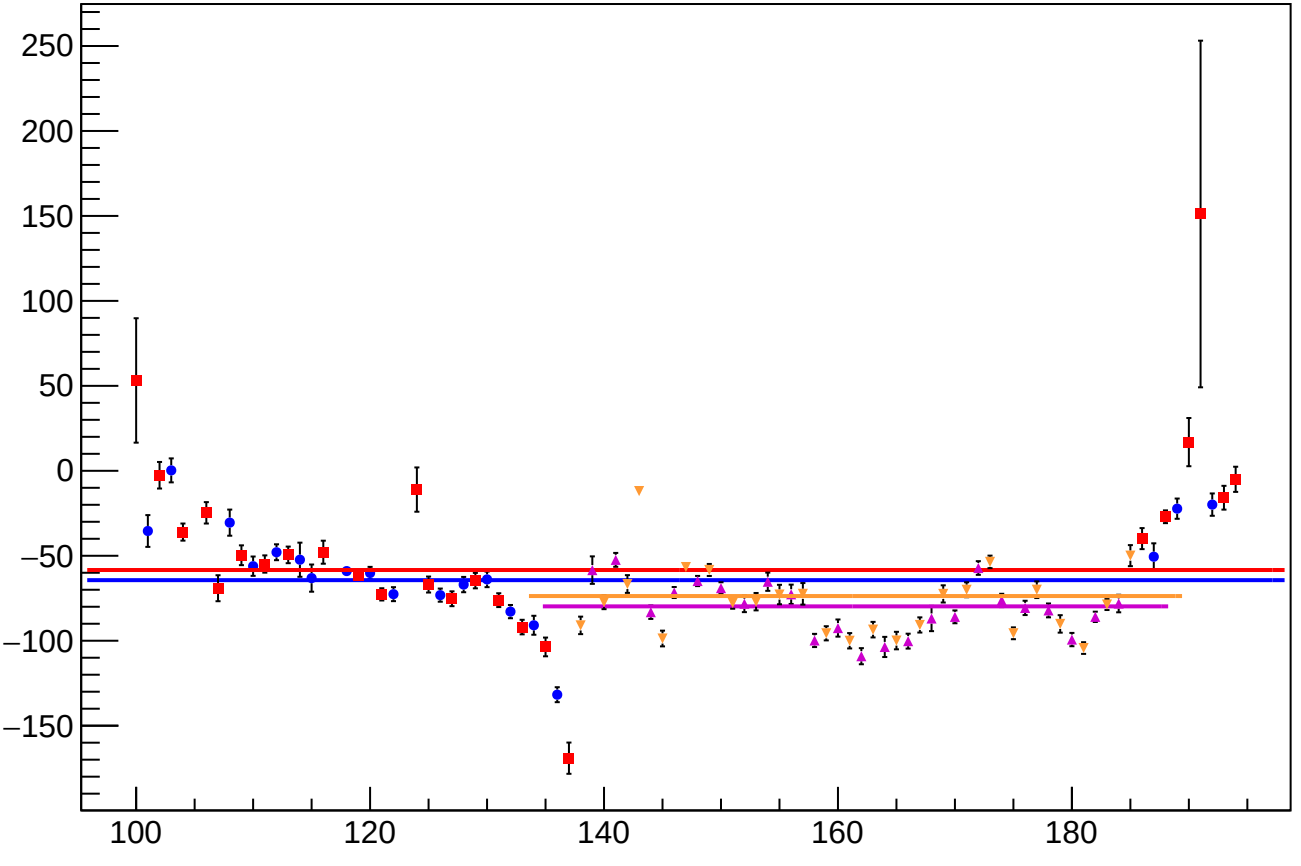
Right: -180.410+/-0.624 χ^2/NDF: 7733.8/43

In: -188.929+/-0.700 χ^2/NDF:4983.4/41

Out: -179.204+/-0.618 χ^2/NDF:12347.6/49

All: -183.469+/-0.463 χ^2/NDF: 17439.6/91

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -64.350+/-1.129 χ^2/NDF: 520.9/18

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -58.381+/-1.069 χ^2/NDF: 662.1/24

Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

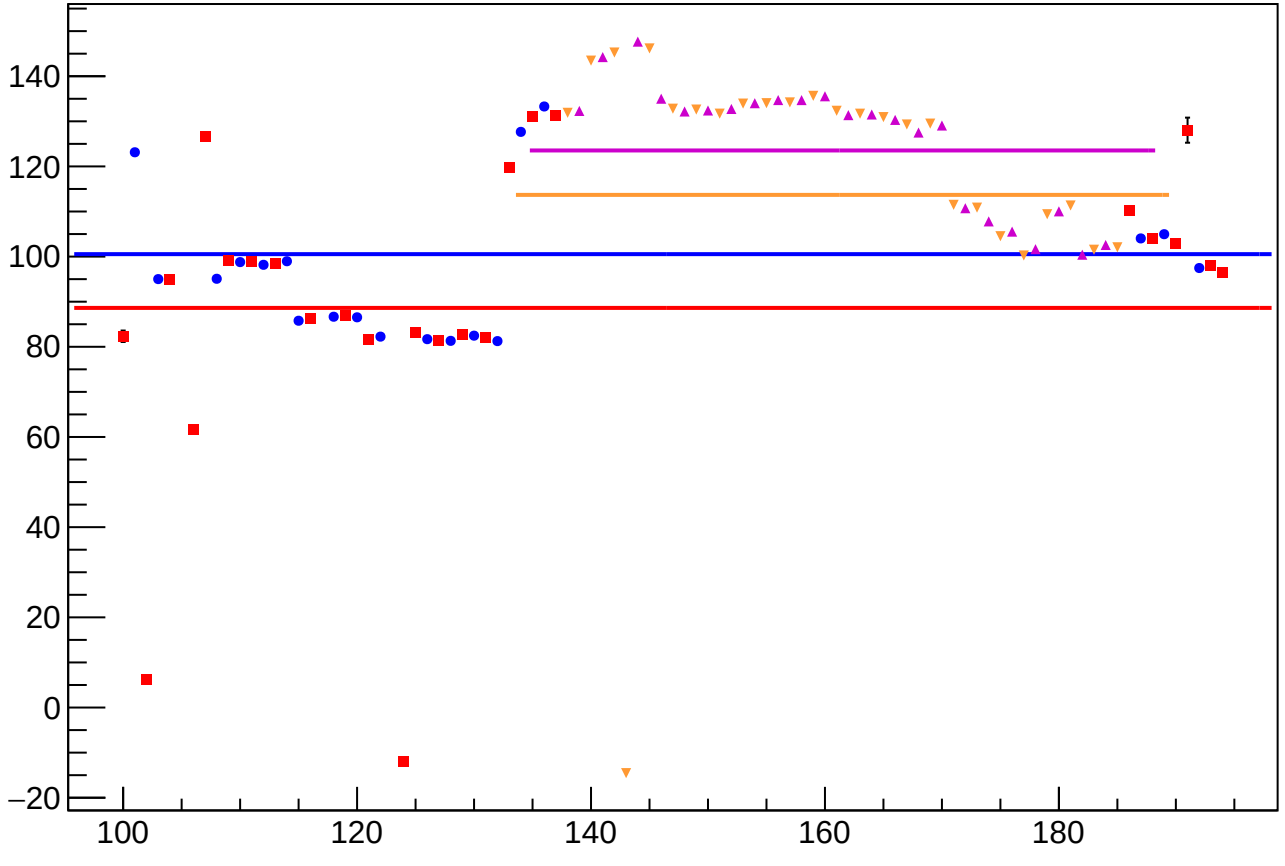
Right: -61.201+/-0.776 χ^2/NDF: 1197.8/43

In: -73.998+/-0.691 χ^2/NDF:914.7/41

Out: -67.950+/-0.655 χ^2/NDF:1630.1/49

All: -70.811+/-0.475 χ^2/NDF: 2585.2/91

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 100.544+/-0.067 χ^2/NDF: 68003.7/18

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 88.622+/-0.059 χ^2/NDF: 280740.3/24

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

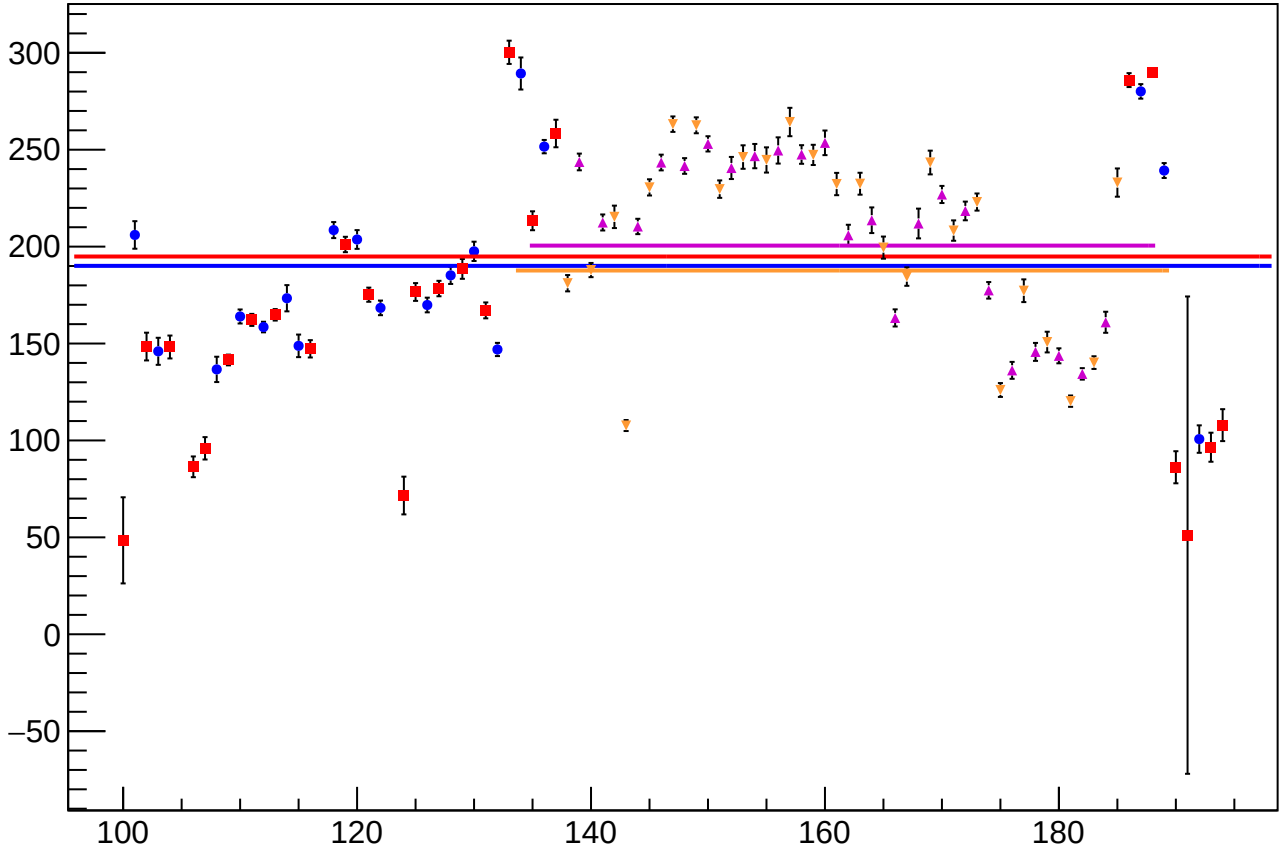
Right: 93.851+/-0.044 χ^2/NDF: 366637.3/43

In: 117.553+/-0.034 χ^2/NDF:290306.7/41

Out: 106.244+/-0.032 χ^2/NDF:1370688.4/49

All: 111.572+/-0.023 χ^2/NDF: 1719249.3/91

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 190.074+/-1.000 χ^2/NDF: 1967.8/18

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 194.895+/-0.864 χ^2/NDF: 5624.7/24

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

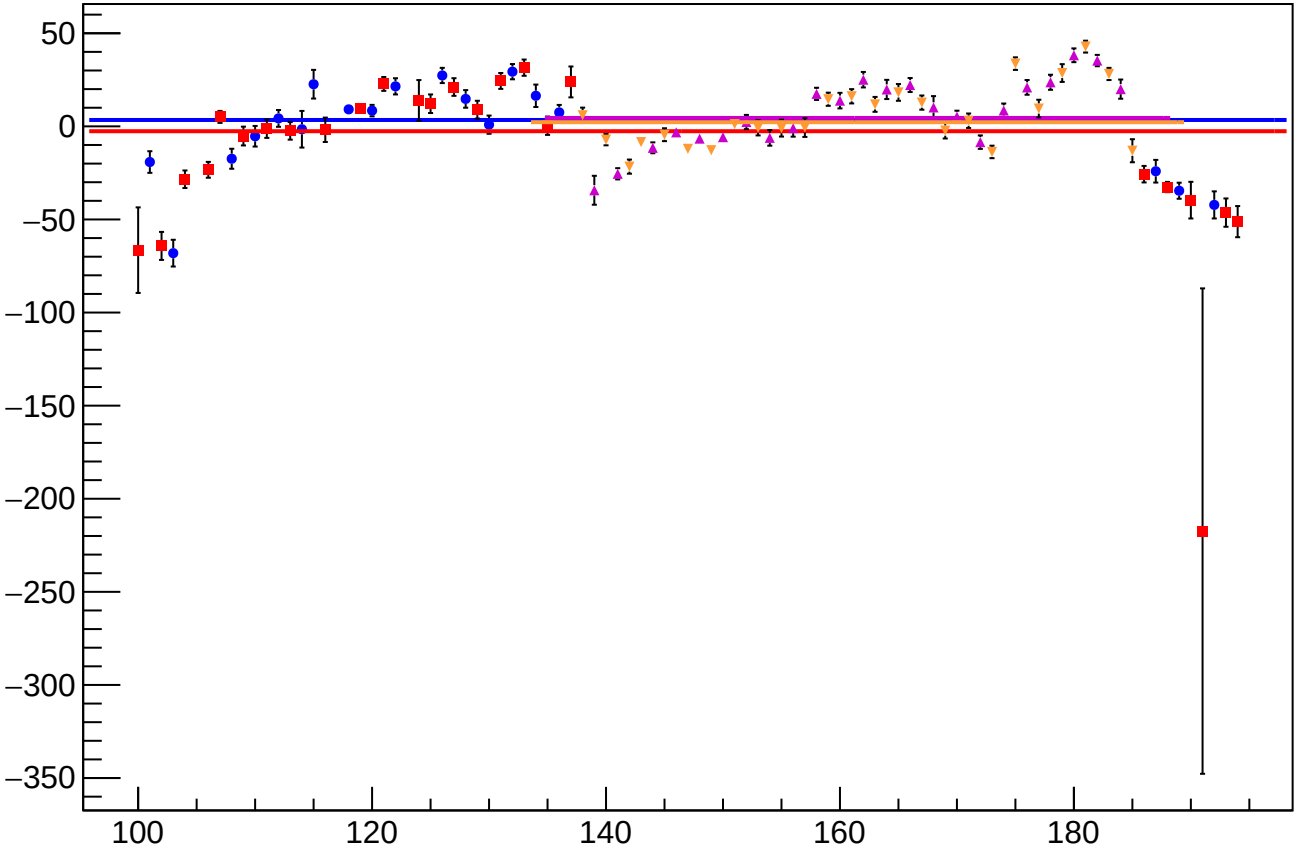
Right: 192.834+/-0.654 χ^2/NDF: 7605.8/43

In: 195.535+/-0.691 χ^2/NDF:4136.3/41

Out: 191.426+/-0.622 χ^2/NDF:9186.6/49

All: 193.268+/-0.462 χ^2/NDF: 13342.4/91

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.427+/-1.050 χ^2/NDF: 386.6/18

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -2.606+/-0.949 χ^2/NDF: 586.4/24

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

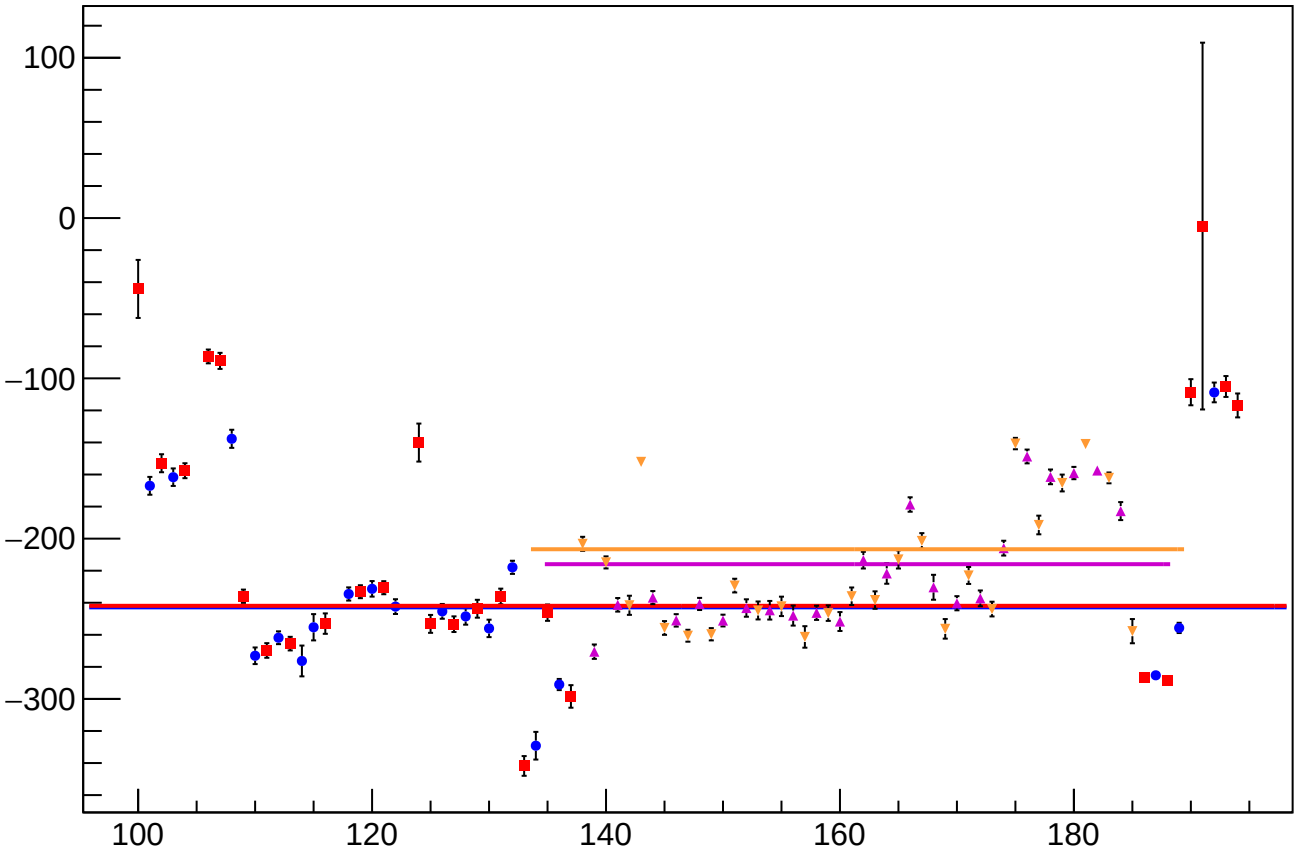
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: 0.105+/-0.704 χ^2/NDF: 991.2/43

In: 4.169+/-0.591 χ^2/NDF:934.5/41

Out: 0.649+/-0.544 χ^2/NDF:1204.8/49

All: 2.266+/-0.400 χ^2/NDF: 2158.5/91



Right In: -242.871+/-1.069 χ^2/NDF: 1849.0/18

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -241.912+/-0.878 χ^2/NDF: 5533.1/24

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

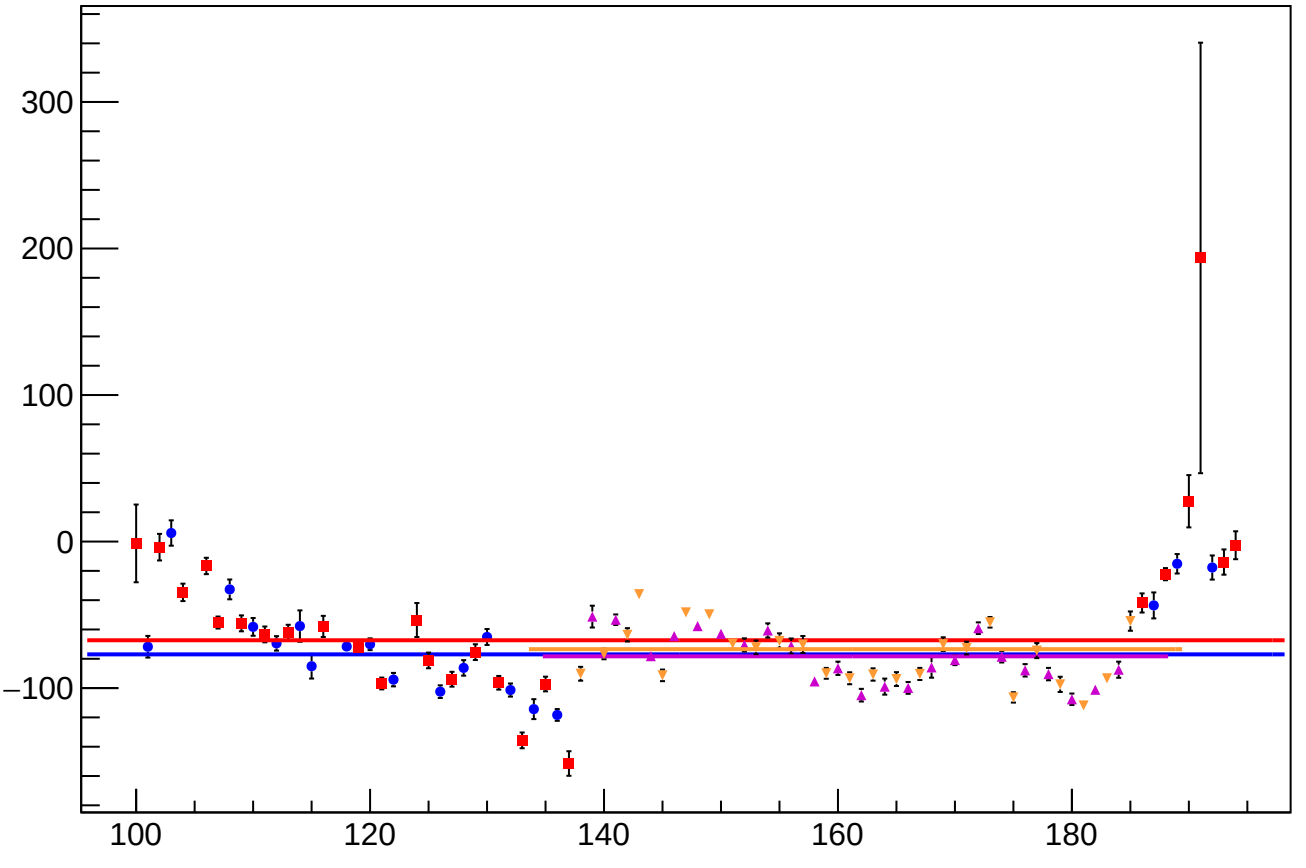
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -242.298+/-0.678 χ^2/NDF: 7382.6/43

In: -227.763+/-0.709 χ^2/NDF:3916.7/41

Out: -224.602+/-0.627 χ^2/NDF:8793.9/49

All: -225.989+/-0.469 χ^2/NDF: 12721.7/91



Right In: -76.984+/-1.236 χ^2/NDF: 531.5/18

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -67.359+/-1.140 χ^2/NDF: 863.2/24

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

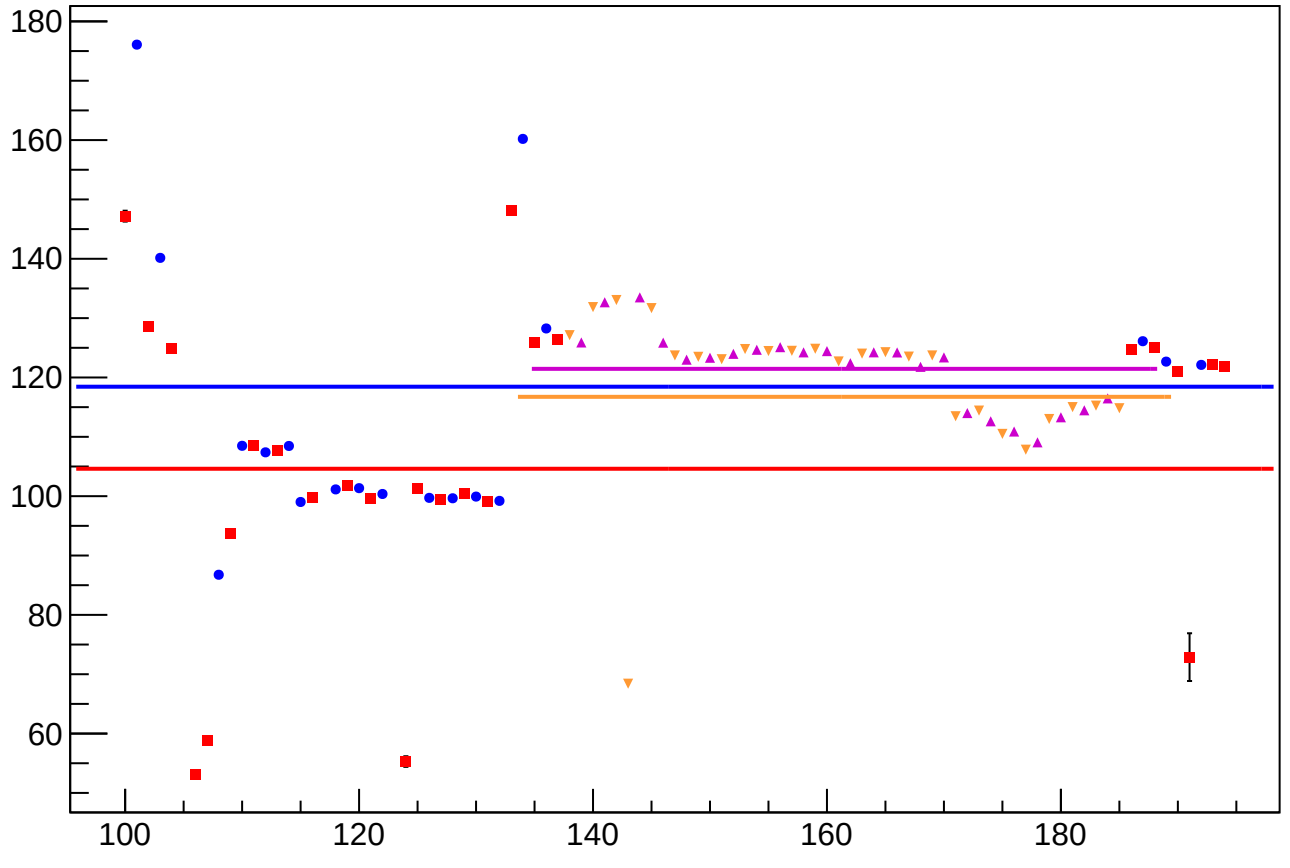
Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

Right: -71.780+/-0.838 χ^2/NDF: 1427.4/43

In: -77.920+/-0.682 χ^2/NDF:975.5/41

Out: -71.535+/-0.636 χ^2/NDF:1719.3/49

All: -74.507+/-0.465 χ^2/NDF: 2741.7/91



Right In: 118.446+/-0.072 χ^2/NDF: 96113.3/18

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 104.620+/-0.062 χ^2/NDF: 190485.7/24

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

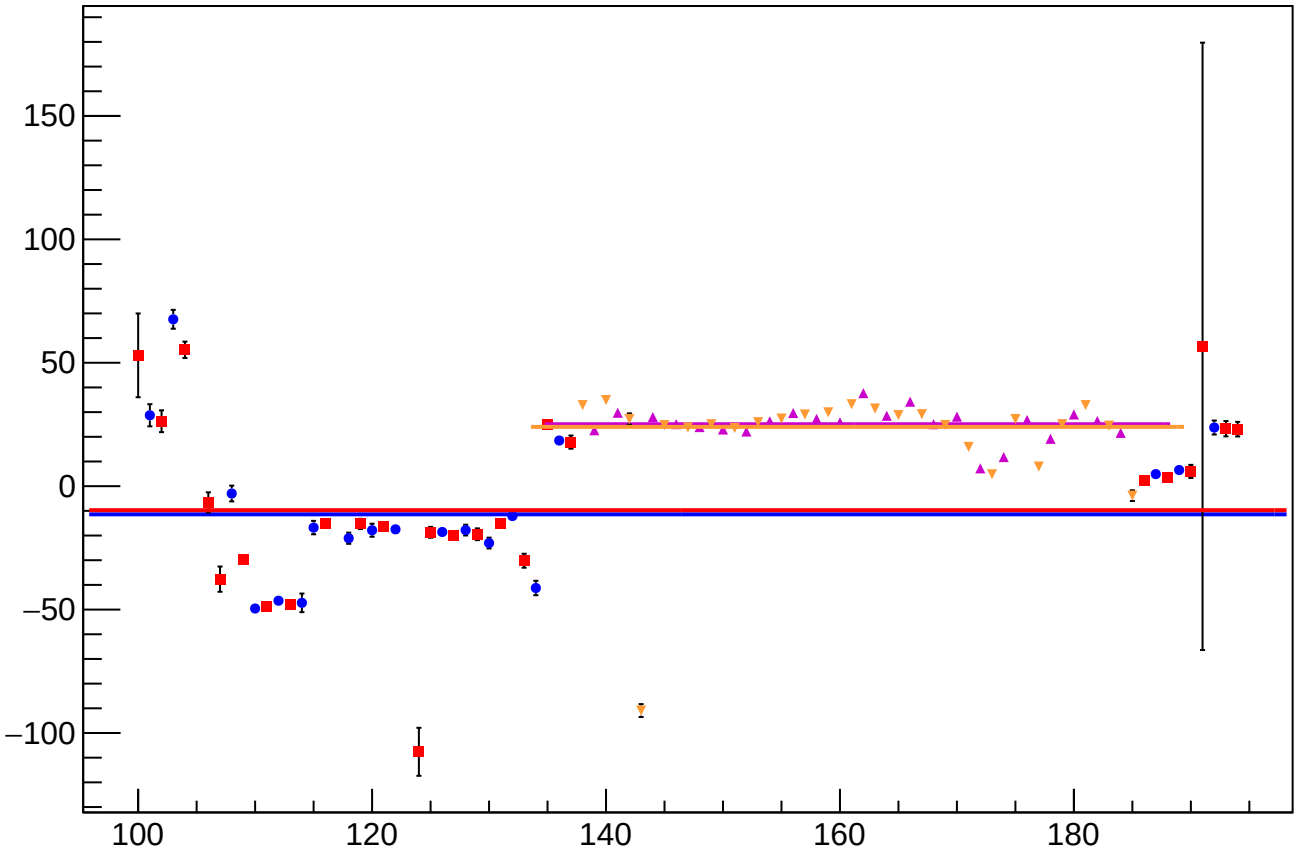
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 110.534+/-0.047 χ^2/NDF: 307605.9/43

In: 120.822+/-0.033 χ^2/NDF:126282.3/41

Out: 113.736+/-0.031 χ^2/NDF:422521.2/49

All: 117.053+/-0.023 χ^2/NDF: 573158.2/91



Right In: -11.405+/-0.493 χ^2/NDF: 2496.7/18

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -9.730+/-0.428 χ^2/NDF: 2882.1/24

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

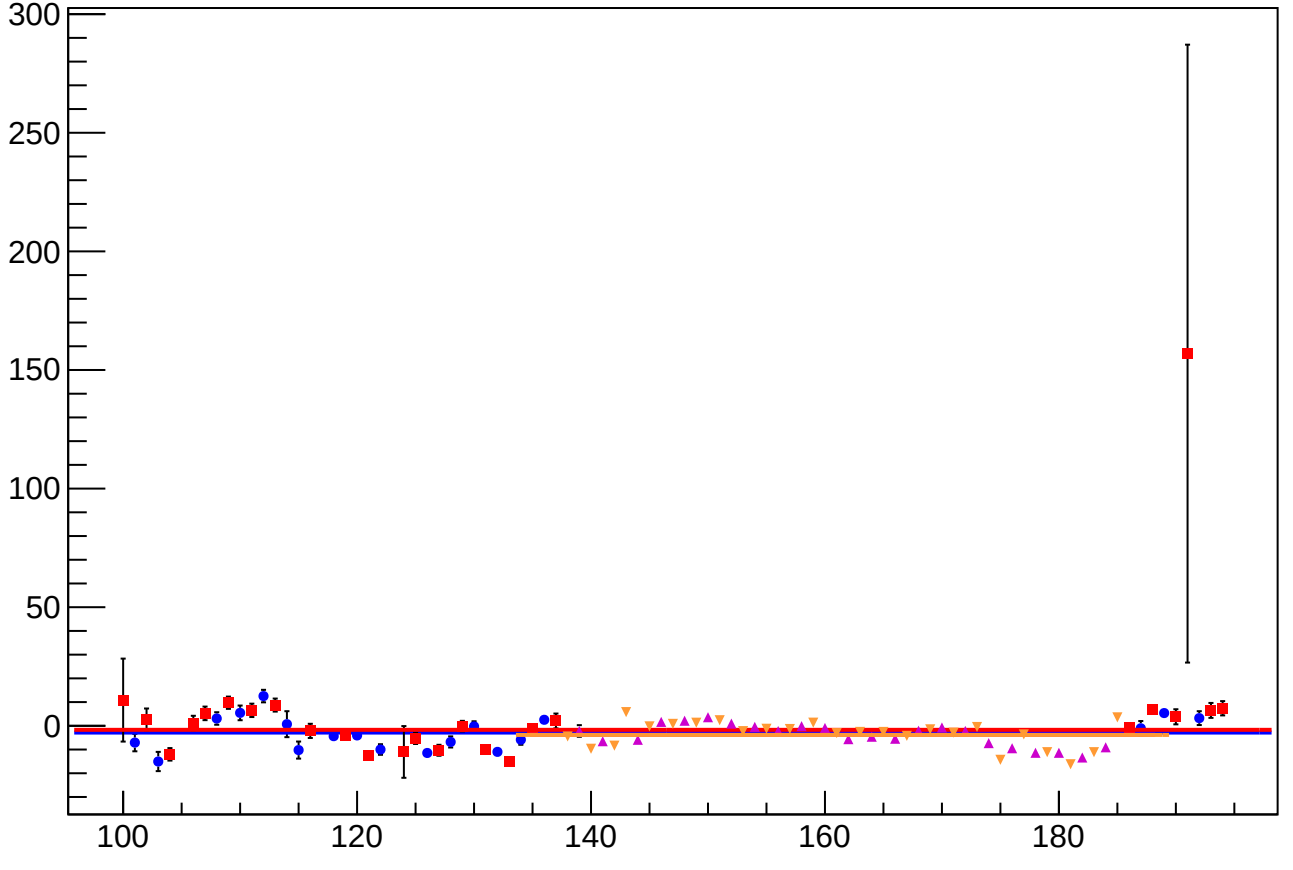
Right: -10.451+/-0.323 χ^2/NDF: 5385.4/43

In: 15.829+/-0.248 χ^2/NDF:7088.8/41

Out: 13.813+/-0.236 χ^2/NDF:10018.7/49

All: 14.768+/-0.171 χ^2/NDF: 17142.2/91

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.845+/-0.518 χ^2/NDF: 146.0/18

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -1.696+/-0.481 χ^2/NDF: 229.2/24

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

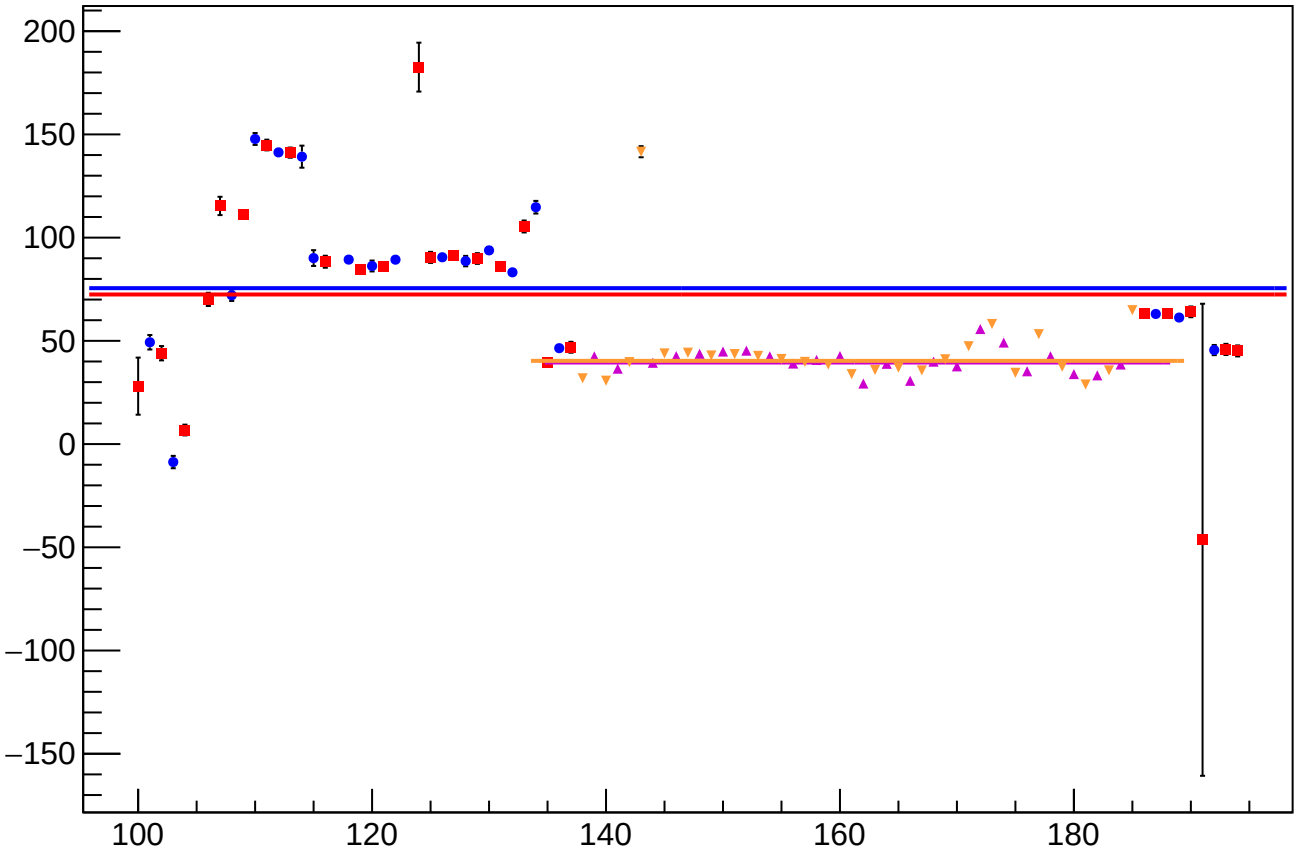
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: -2.229+/-0.352 χ^2/NDF: 377.9/43

In: -3.633+/-0.205 χ^2/NDF:658.6/41

Out: -3.480+/-0.198 χ^2/NDF:895.1/49

All: -3.554+/-0.143 χ^2/NDF: 1554.0/91



Right In: 75.520+/-0.522 χ^2/NDF: 3605.9/18

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 72.463+/-0.430 χ^2/NDF: 3976.2/24

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

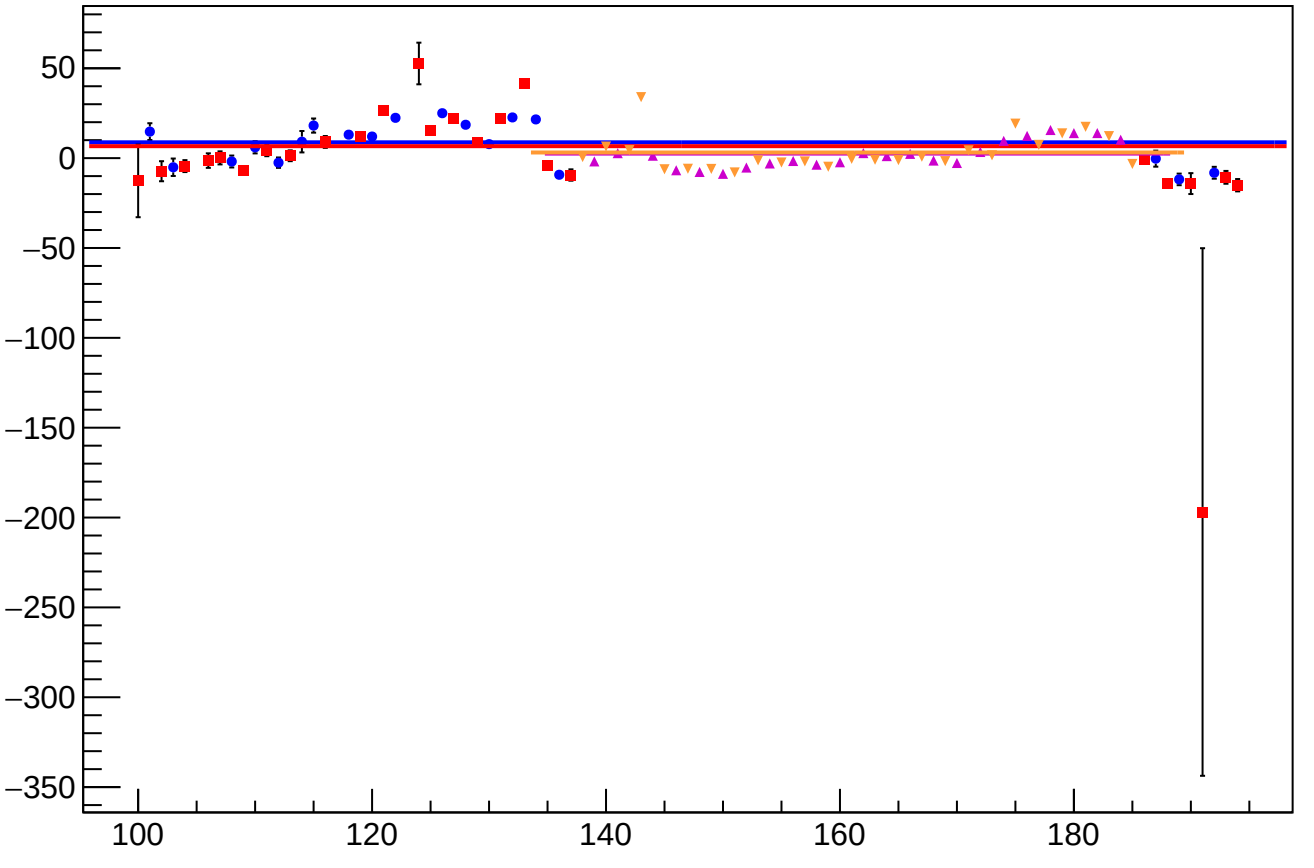
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 73.697+/-0.332 χ^2/NDF: 7602.5/43

In: 47.757+/-0.250 χ^2/NDF:7704.7/41

Out: 49.909+/-0.235 χ^2/NDF:10088.5/49

All: 48.901+/-0.171 χ^2/NDF: 17832.7/91



Right In: 8.800+/-0.599 χ^2/NDF: 437.4/18

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 6.649+/-0.574 χ^2/NDF: 683.1/24

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

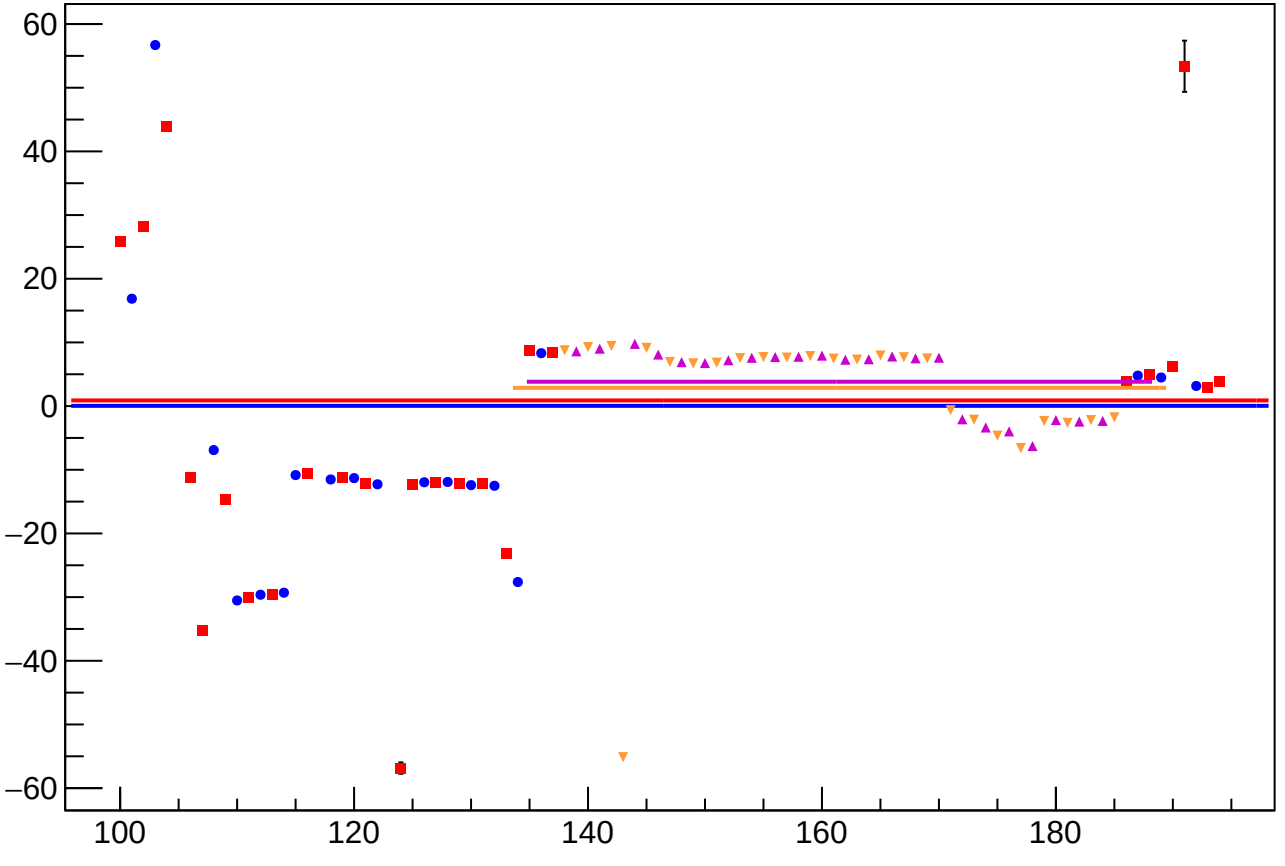
Right: 7.679+/-0.415 χ^2/NDF: 1127.2/43

In: 3.457+/-0.232 χ^2/NDF:1499.1/41

Out: 3.683+/-0.226 χ^2/NDF:1981.6/49

All: 3.573+/-0.162 χ^2/NDF: 3481.2/91

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.041+/-0.033 χ^2/NDF: 370835.9/18

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 0.893+/-0.031 χ^2/NDF: 322085.7/24

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

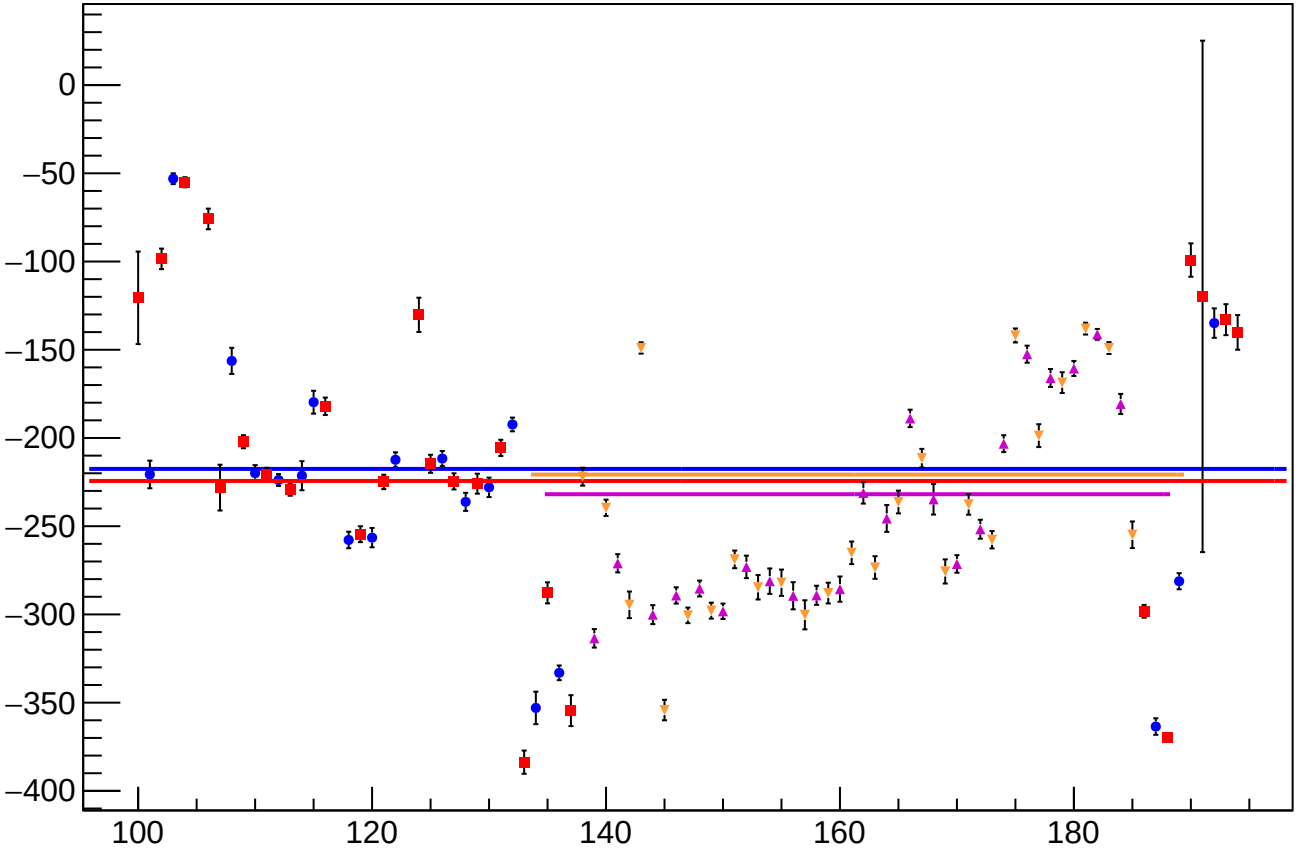
Right: 0.491+/-0.022 χ^2/NDF: 693281.4/43

In: 3.432+/-0.011 χ^2/NDF:616124.6/41

Out: 2.647+/-0.010 χ^2/NDF:838065.1/49

All: 3.034+/-0.007 χ^2/NDF: 1457020.9/91

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -217.533+/-1.104 χ^2/NDF: 5421.6/18

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -224.363+/-0.969 χ^2/NDF: 9936.7/24

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

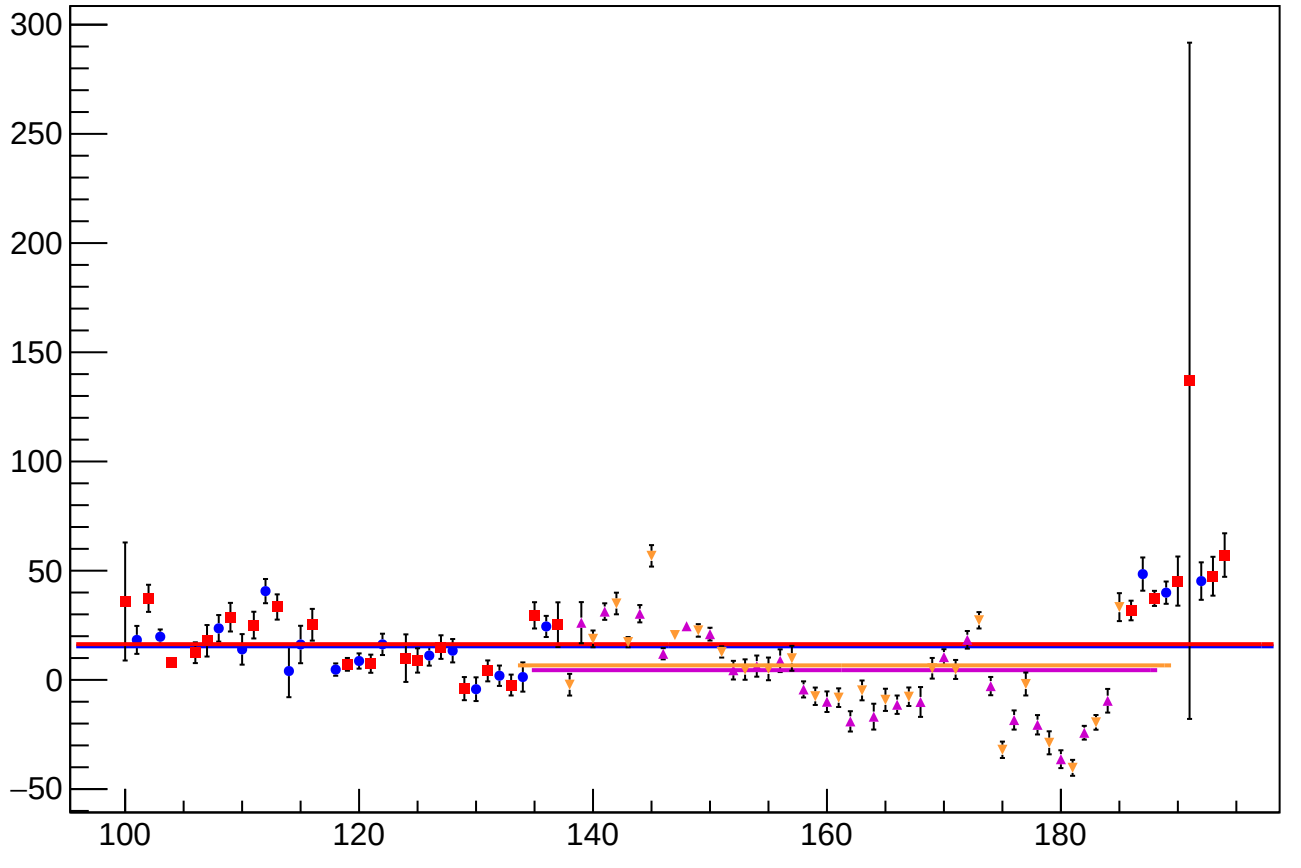
Left: -225.984+/-0.740 χ^2/NDF: 7269.1/47

Right: -221.390+/-0.728 χ^2/NDF: 15379.9/43

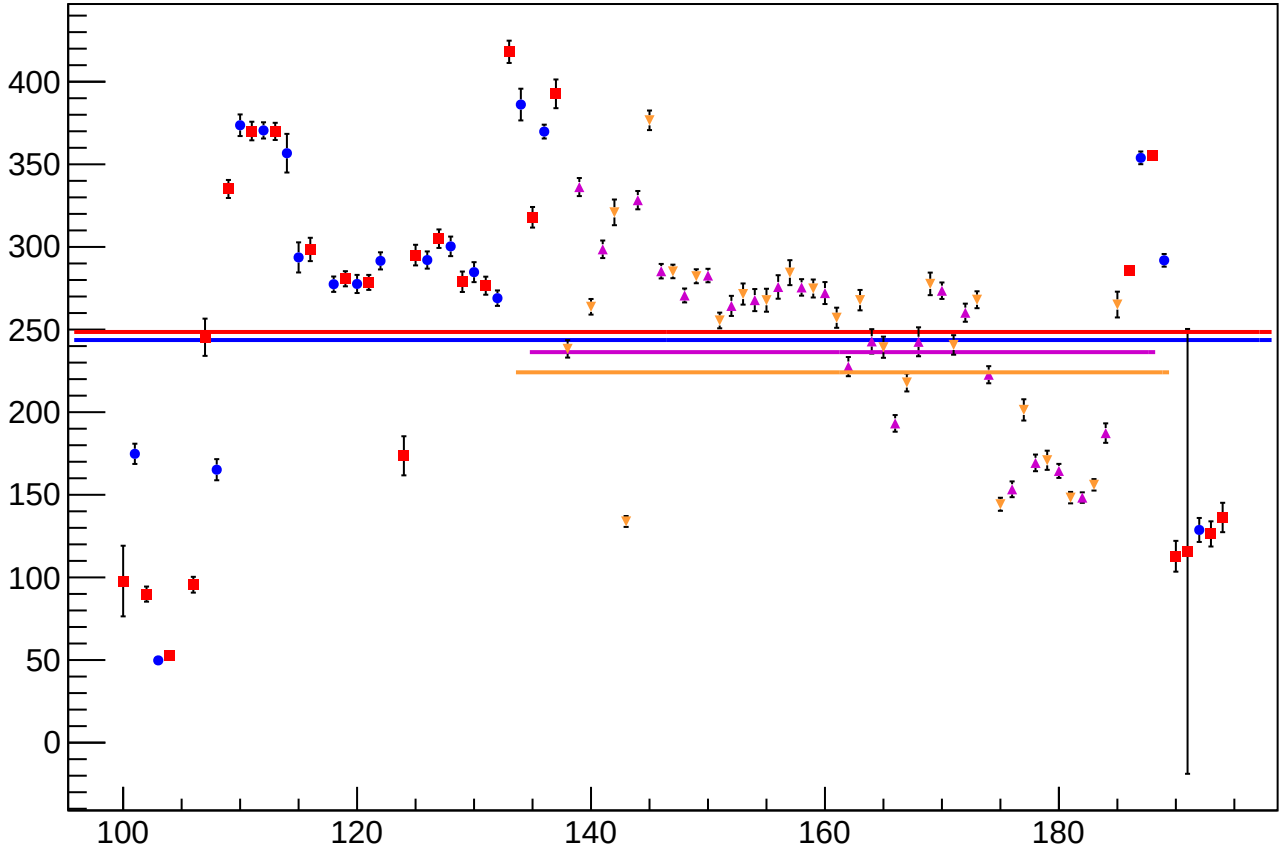
In: -224.880+/-0.771 χ^2/NDF:8668.3/41

Out: -222.632+/-0.702 χ^2/NDF:13995.6/49

All: -223.651+/-0.519 χ^2/NDF: 22668.6/91


reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
300
250
200
150
100
50
0
−50
100
120
140
160
180
Right In: 15.371+/-1.147 χ²/NDF: 128.0/18
Left Out: 6.643+/-0.752 χ²/NDF:735.0/24
Right Out: 16.354+/-1.021 χ²/NDF: 185.6/24
Left In: 4.447+/-0.807 χ²/NDF:567.1/22
Left: 5.622+/-0.550 χ²/NDF: 1306.0/47
Right: 15.919+/-0.763 χ²/NDF: 314.1/43
In: 8.065+/-0.660 χ²/NDF:755.8/41
Out: 10.060+/-0.606 χ²/NDF:979.2/49
All: 9.148+/-0.446 χ²/NDF: 1739.9/91

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 243.656+/-1.129 χ^2/NDF: 10721.3/18

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 248.542+/-0.950 χ^2/NDF: 16055.1/24

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

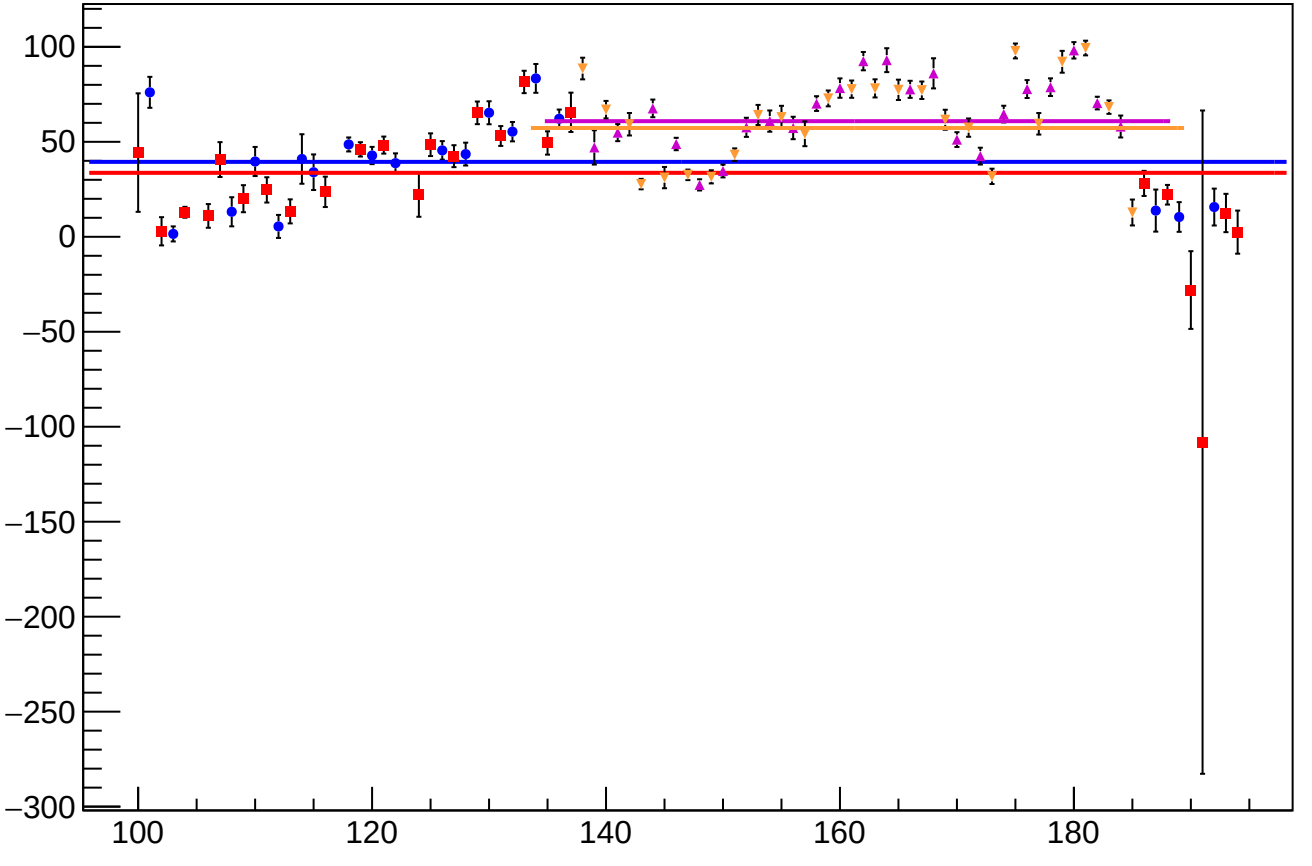
Right: 246.517+/-0.727 χ^2/NDF: 26787.4/43

In: 239.791+/-0.775 χ^2/NDF:13736.5/41

Out: 237.126+/-0.693 χ^2/NDF:20330.8/49

All: 238.310+/-0.517 χ^2/NDF: 34073.8/91

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 39.451+/-1.352 χ^2/NDF: 272.6/18

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

Right Out: 33.679+/-1.234 χ^2/NDF: 282.9/24

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

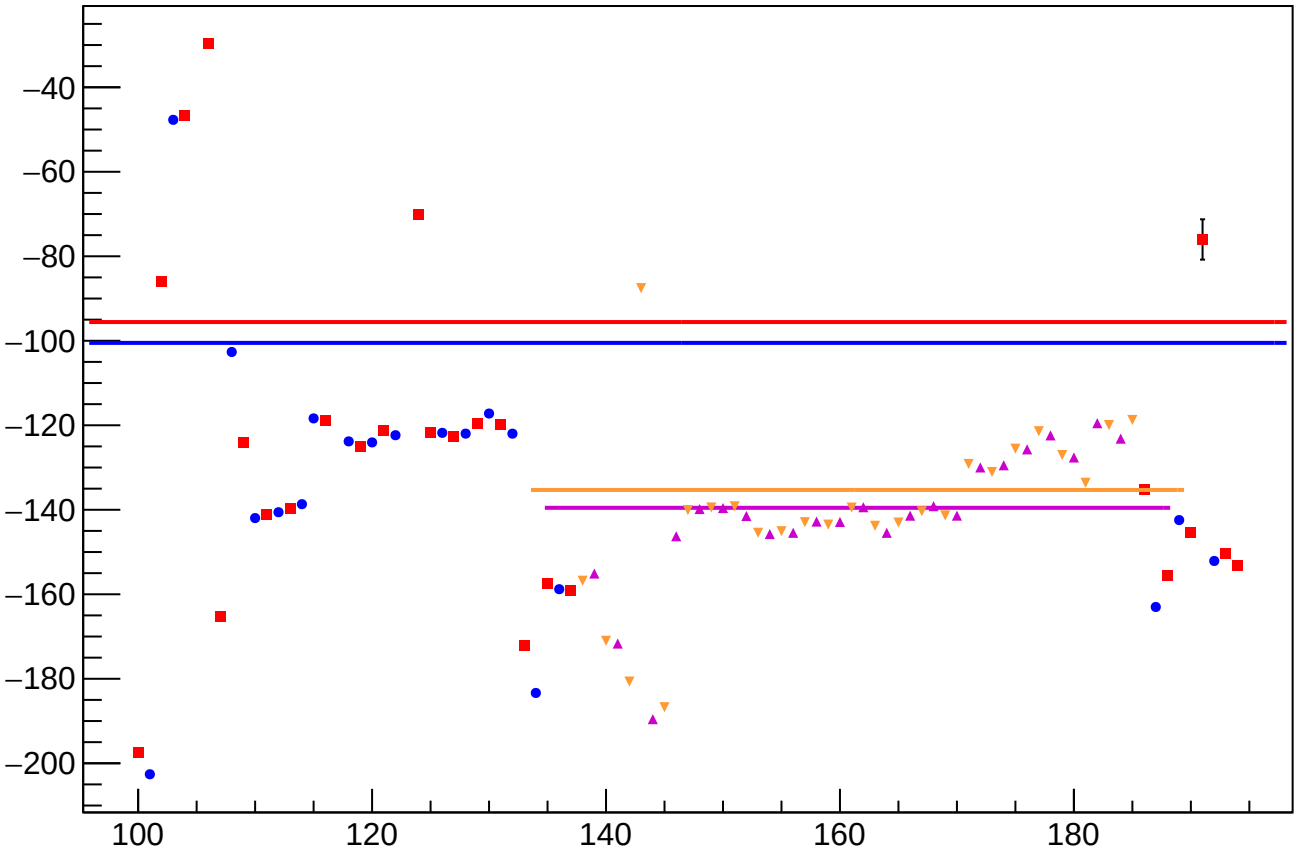
Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

Right: 36.302+/-0.911 χ^2/NDF: 565.5/43

In: 54.069+/-0.762 χ^2/NDF:898.7/41

Out: 49.473+/-0.710 χ^2/NDF:1295.7/49

All: 51.608+/-0.519 χ^2/NDF: 2213.9/91



Right In: -100.498+/-0.066 χ^2/NDF: 577596.2/18

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -95.564+/-0.062 χ^2/NDF: 627262.8/24

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

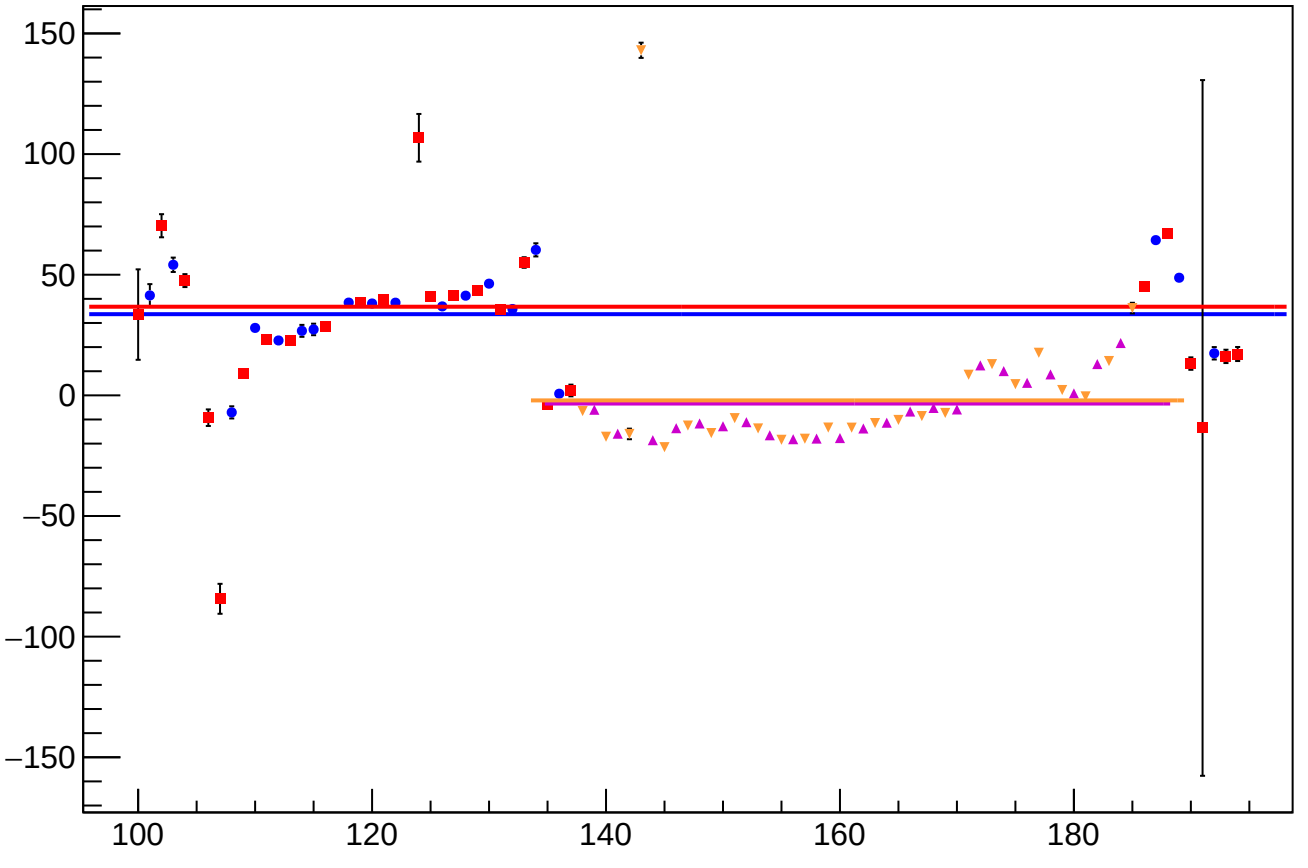
Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

Right: -97.858+/-0.045 χ^2/NDF: 1207833.6/43

In: -128.279+/-0.036 χ^2/NDF:939815.2/41

Out: -123.300+/-0.034 χ^2/NDF:1179928.5/49

All: -125.673+/-0.025 χ^2/NDF: 2130028.3/91



Right In: 33.647+/-0.382 χ^2/NDF: 2191.8/18

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 36.735+/-0.324 χ^2/NDF: 4484.3/24

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

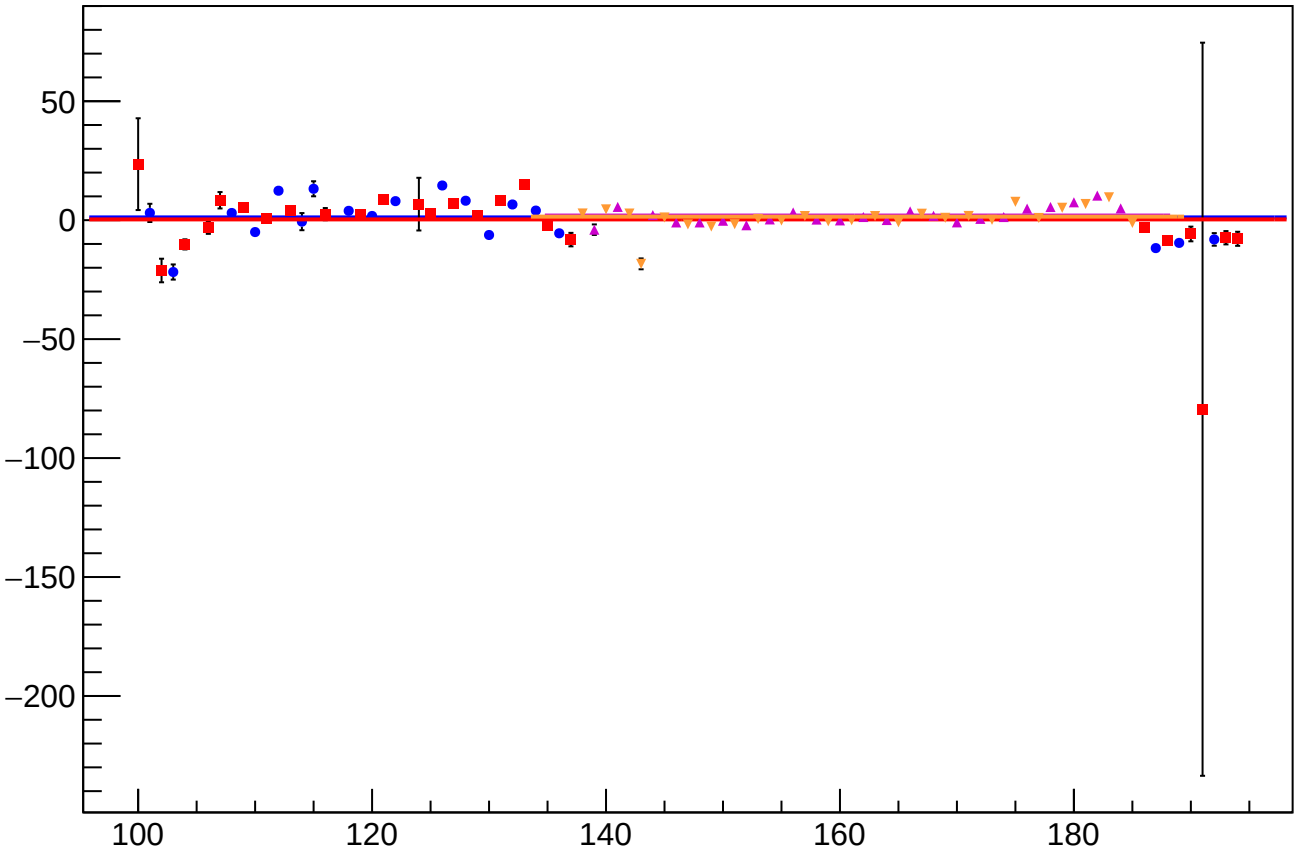
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 35.442+/-0.247 χ^2/NDF: 6714.2/43

In: 9.036+/-0.221 χ^2/NDF:10198.6/41

Out: 13.592+/-0.206 χ^2/NDF:17241.6/49

All: 11.476+/-0.151 χ^2/NDF: 27667.5/91



Right In: 1.159+/-0.411 χ^2/NDF: 366.2/18

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: 0.322+/-0.375 χ^2/NDF: 334.8/24

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

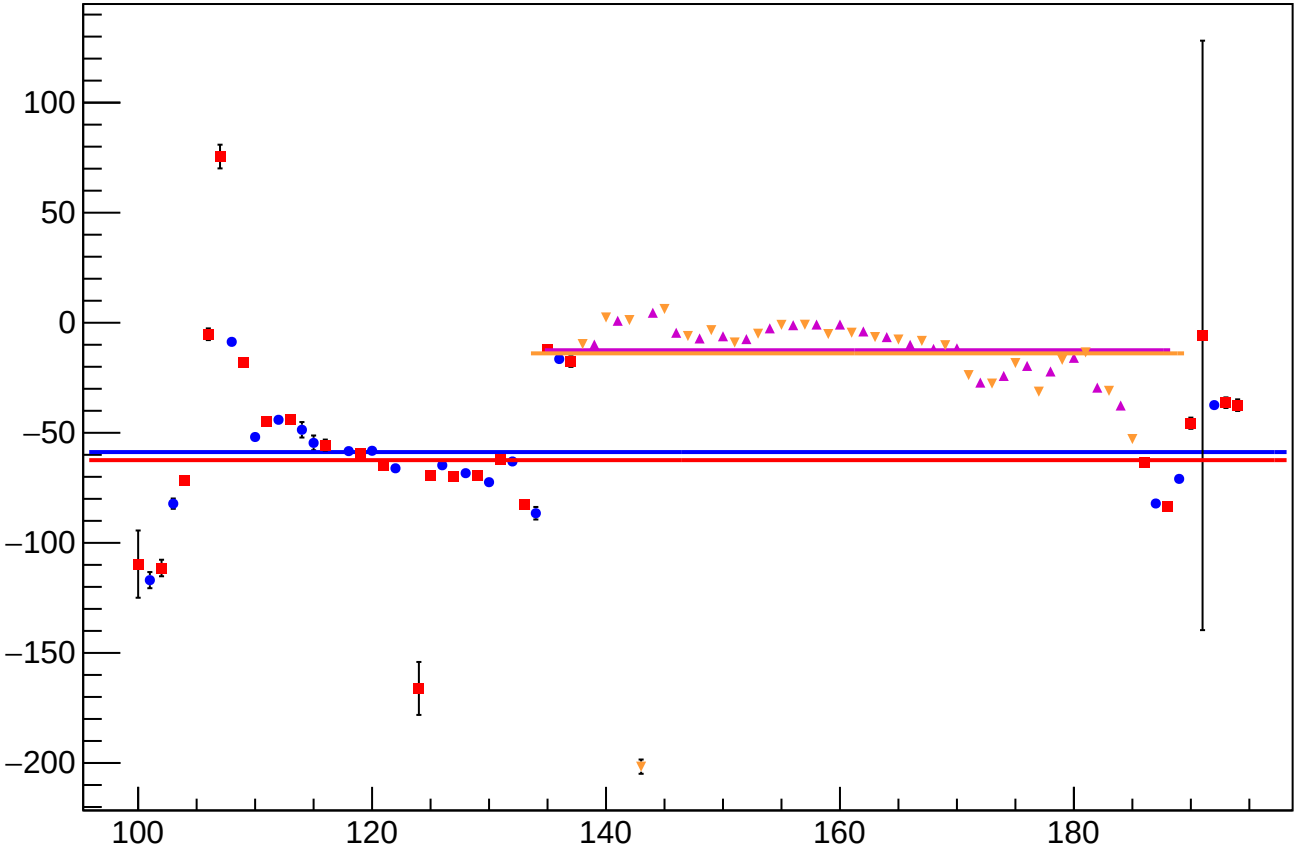
Right: 0.702+/-0.277 χ^2/NDF: 703.3/43

In: 1.772+/-0.187 χ^2/NDF:609.7/41

Out: 1.220+/-0.180 χ^2/NDF:670.9/49

All: 1.485+/-0.130 χ^2/NDF: 1285.1/91

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.751+/-0.405 χ^2/NDF: 3197.9/18

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -62.418+/-0.321 χ^2/NDF: 5187.4/24

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

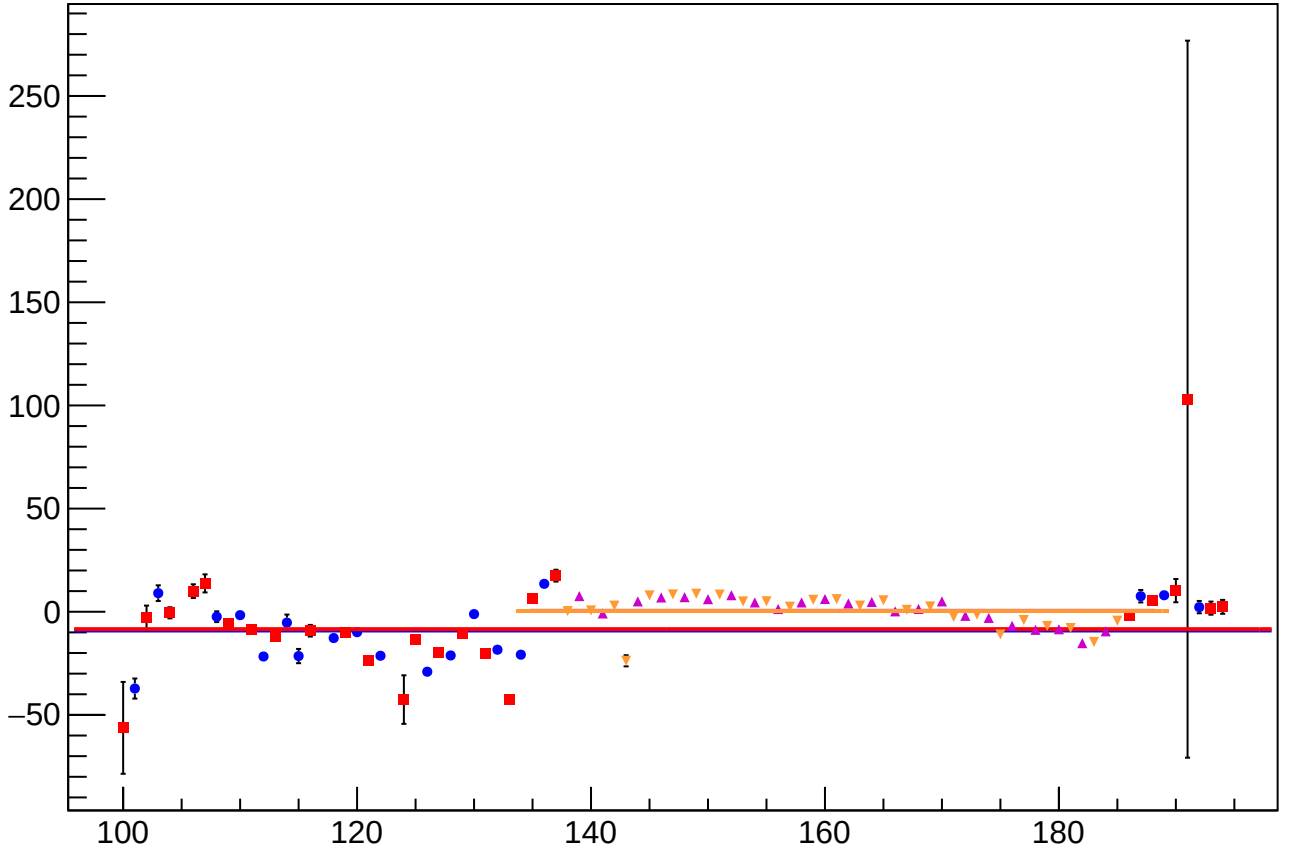
Right: -61.003+/-0.252 χ^2/NDF: 8435.6/43

In: -26.616+/-0.224 χ^2/NDF:13676.1/41

Out: -33.521+/-0.204 χ^2/NDF:23894.2/49

All: -30.385+/-0.151 χ^2/NDF: 38089.1/91

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -9.076+/-0.481 χ^2/NDF: 775.1/18

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -8.434+/-0.454 χ^2/NDF: 832.4/24

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

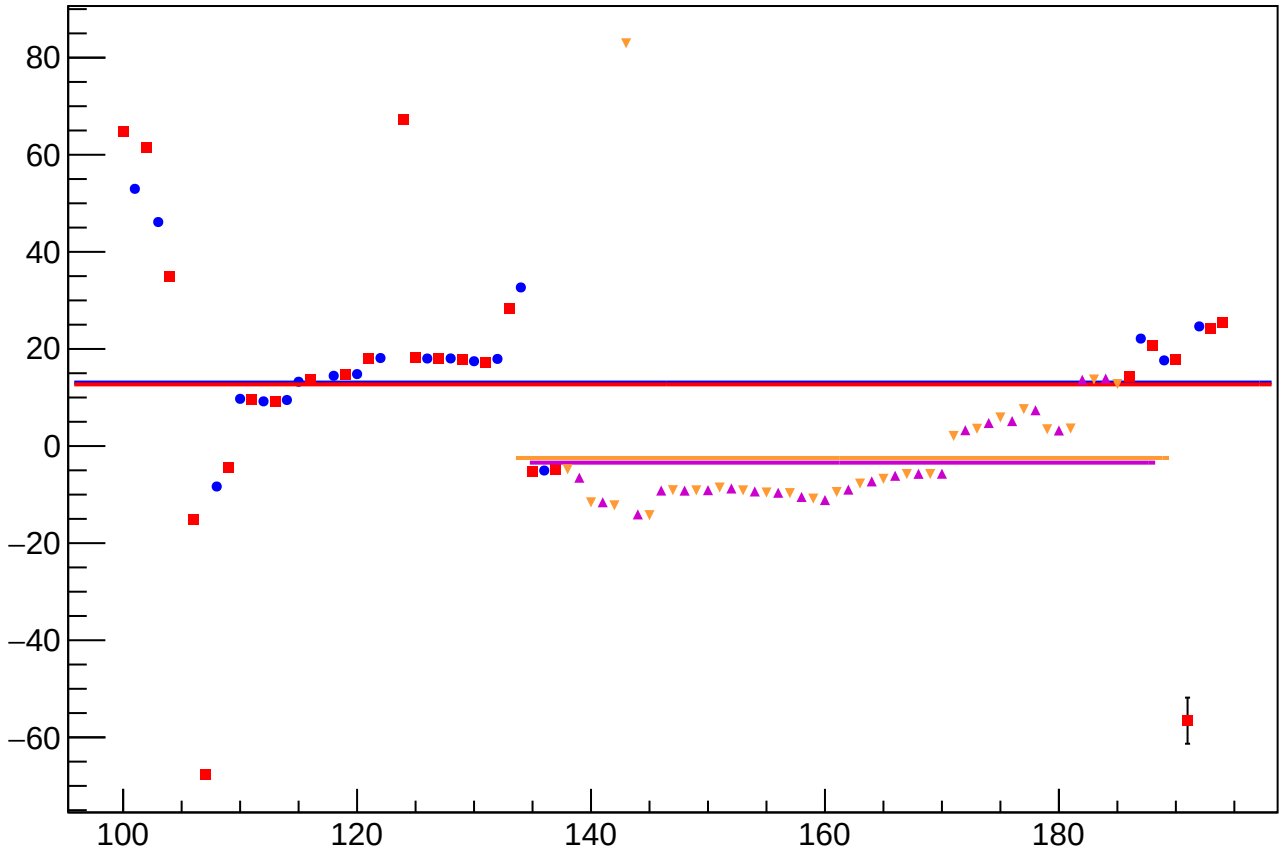
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -8.737+/-0.330 χ^2/NDF: 1608.4/43

In: -1.420+/-0.212 χ^2/NDF:1871.8/41

Out: -1.463+/-0.206 χ^2/NDF:2050.8/49

All: -1.442+/-0.148 χ^2/NDF: 3922.7/91



Right In: 13.076+/-0.027 χ^2/NDF: 372615.4/18

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 12.703+/-0.026 χ^2/NDF: 494109.5/24

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

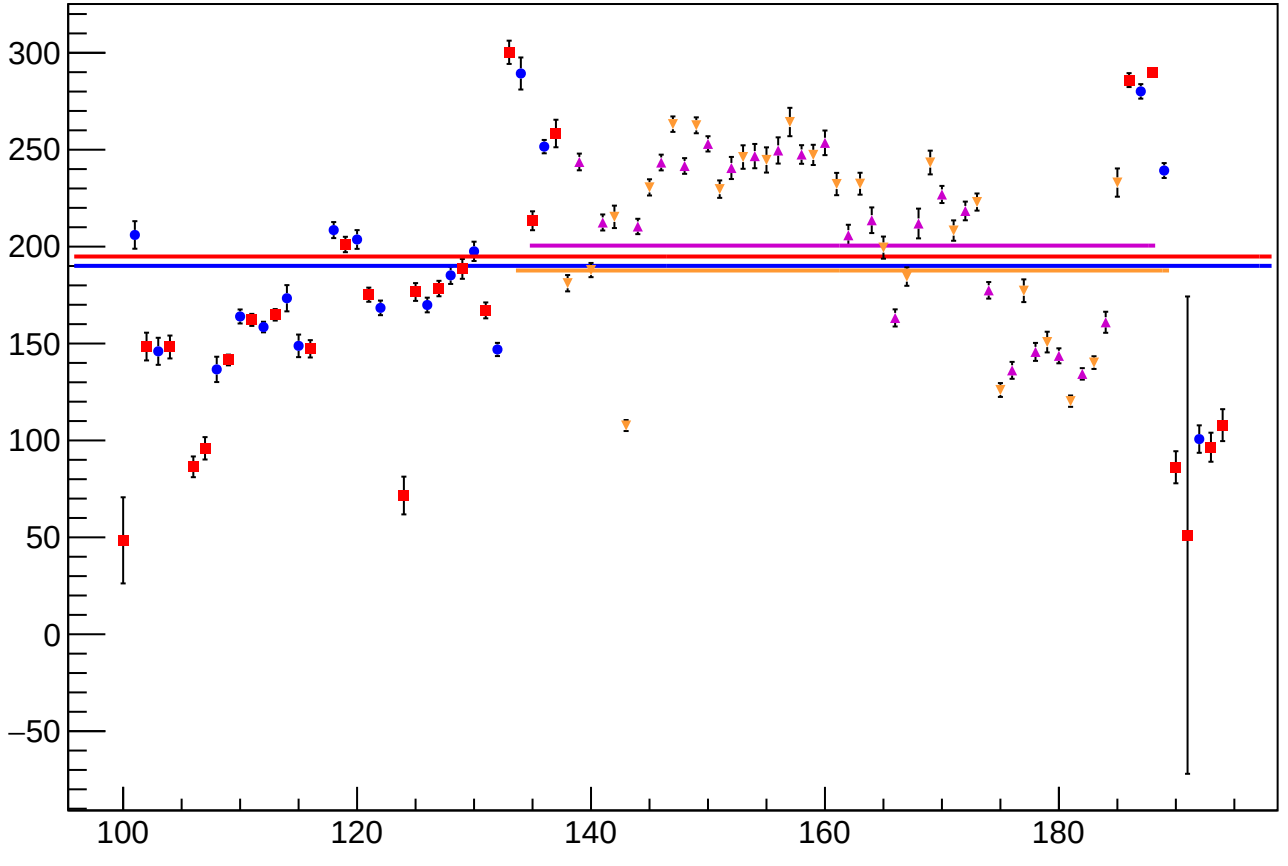
Right: 12.881+/-0.019 χ^2/NDF: 866823.5/43

In: -1.301+/-0.010 χ^2/NDF:1239828.7/41

Out: -0.363+/-0.010 χ^2/NDF:1751413.9/49

All: -0.825+/-0.007 χ^2/NDF: 2995940.1/91

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 190.074+/-1.000 χ^2/NDF: 1967.8/18

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 194.895+/-0.864 χ^2/NDF: 5624.7/24

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

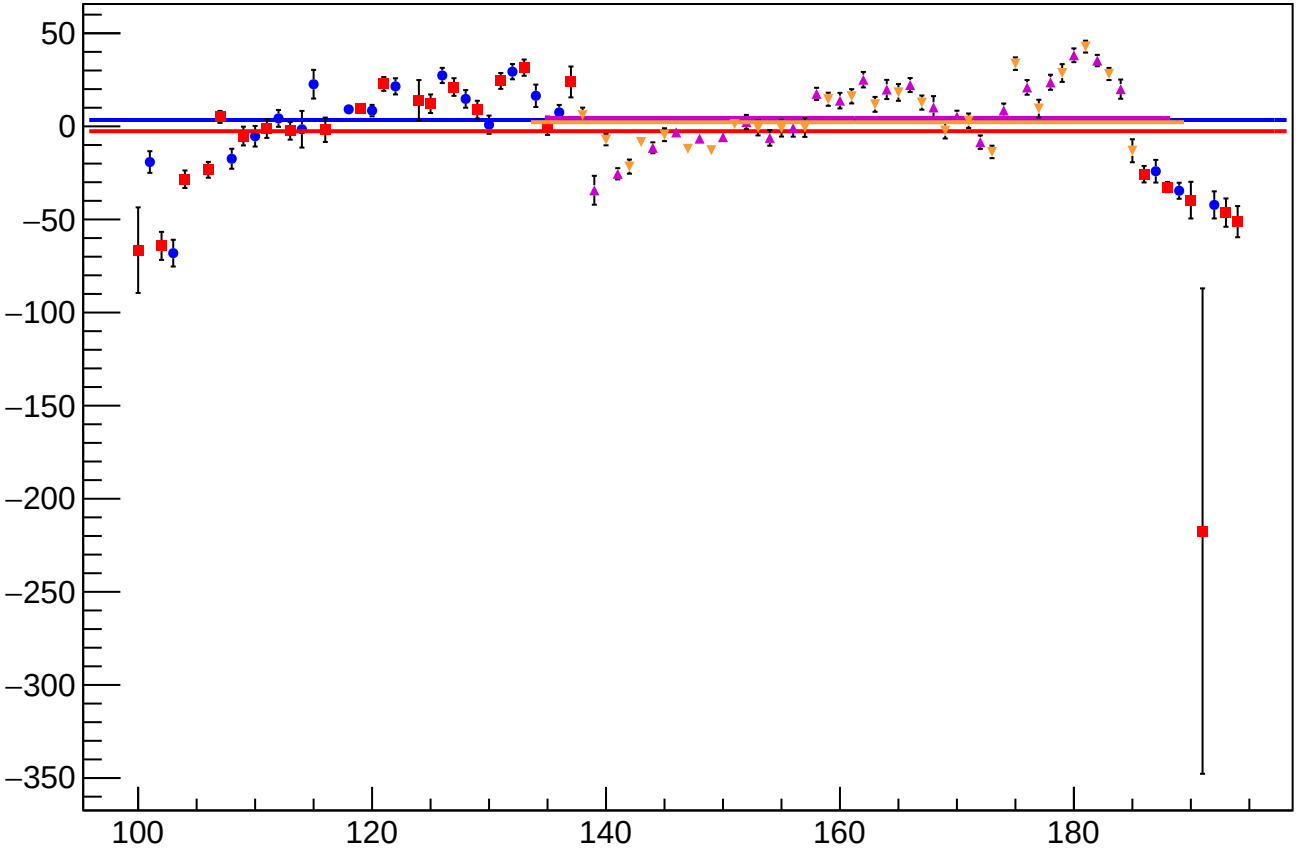
Right: 192.834+/-0.654 χ^2/NDF: 7605.8/43

In: 195.535+/-0.691 χ^2/NDF:4136.3/41

Out: 191.426+/-0.622 χ^2/NDF:9186.6/49

All: 193.268+/-0.462 χ^2/NDF: 13342.4/91

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.427+/-1.050 χ^2/NDF: 386.6/18

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -2.606+/-0.949 χ^2/NDF: 586.4/24

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

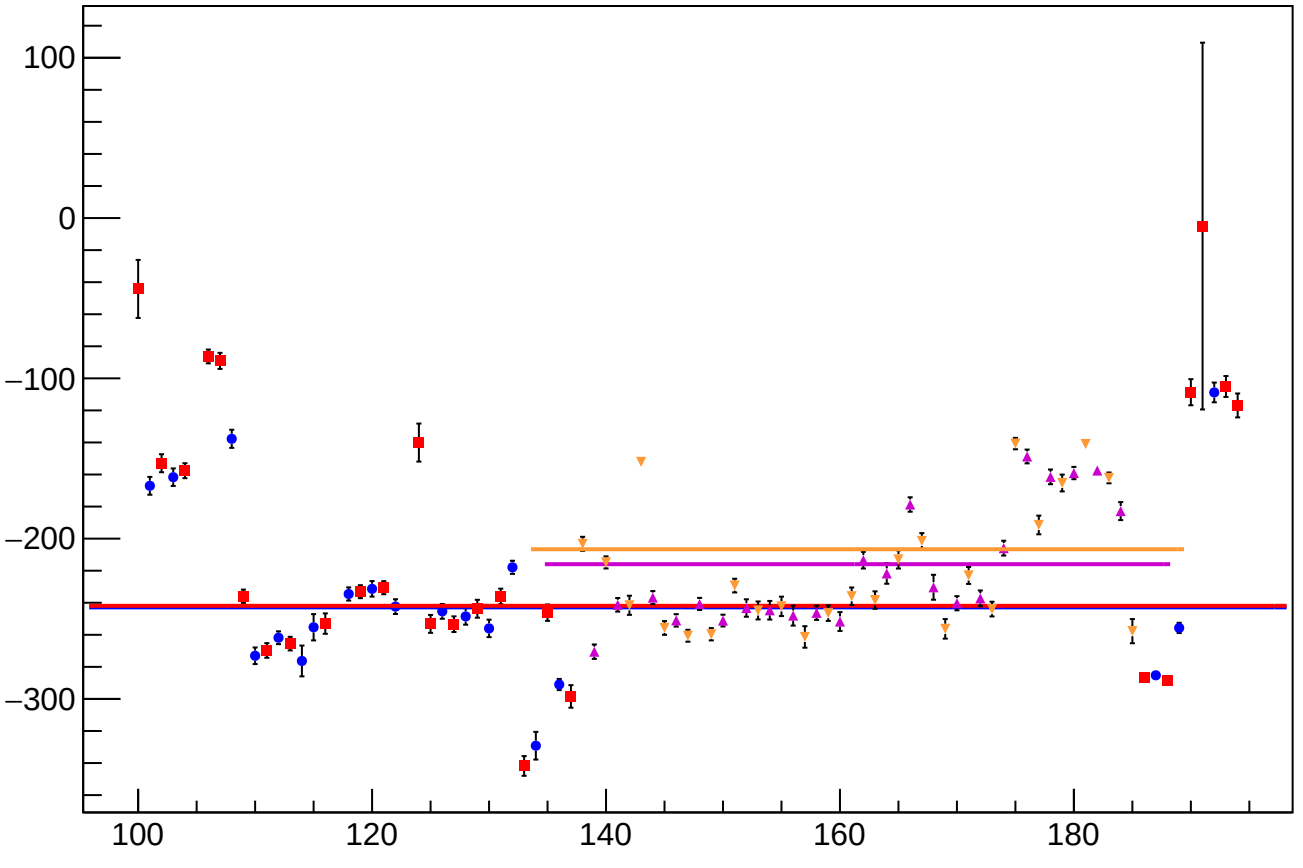
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: 0.105+/-0.704 χ^2/NDF: 991.2/43

In: 4.169+/-0.591 χ^2/NDF:934.5/41

Out: 0.649+/-0.544 χ^2/NDF:1204.8/49

All: 2.266+/-0.400 χ^2/NDF: 2158.5/91



Right In: -242.871+/-1.069 χ^2/NDF: 1849.0/18

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -241.912+/-0.878 χ^2/NDF: 5533.1/24

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

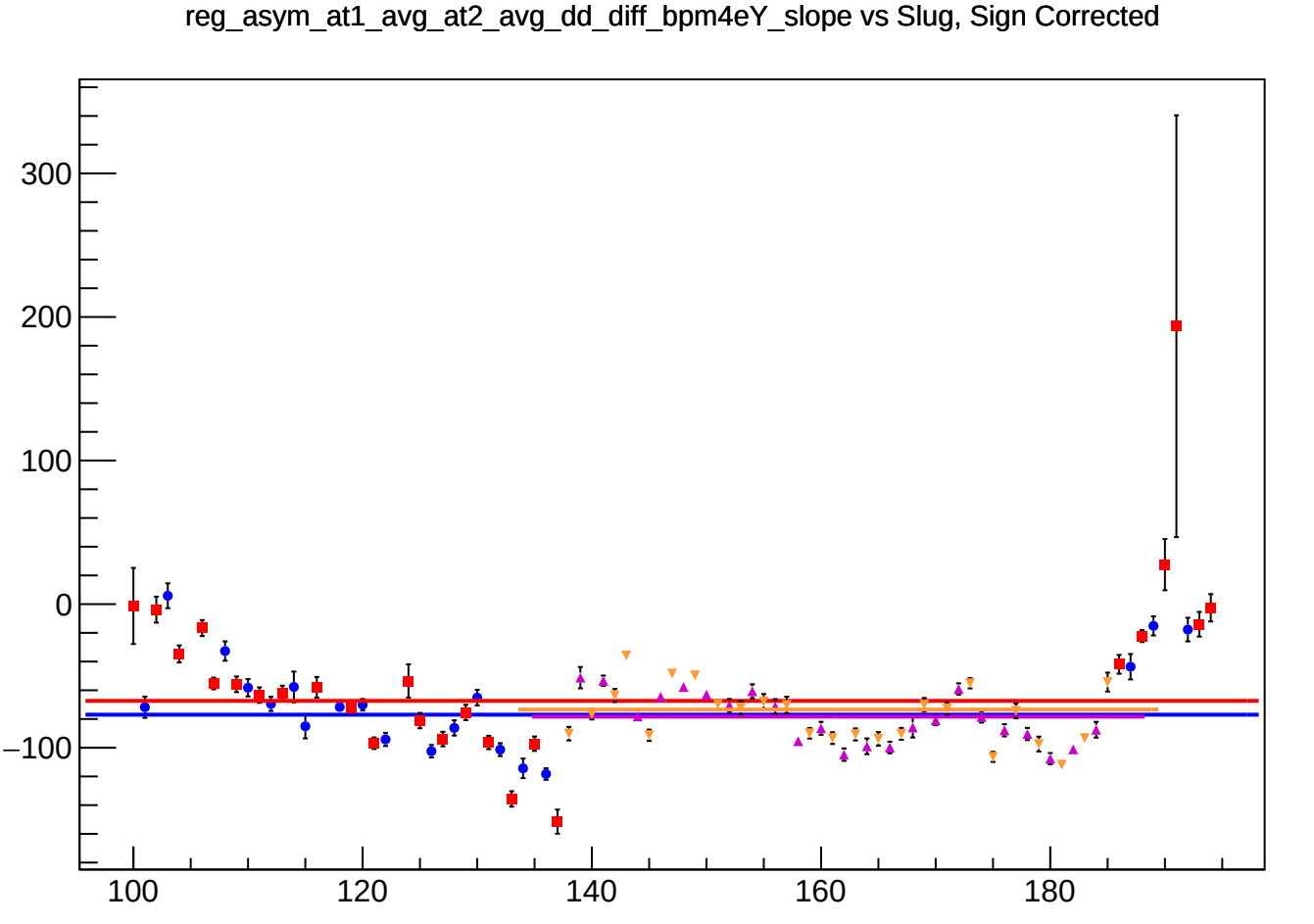
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -242.298+/-0.678 χ^2/NDF: 7382.6/43

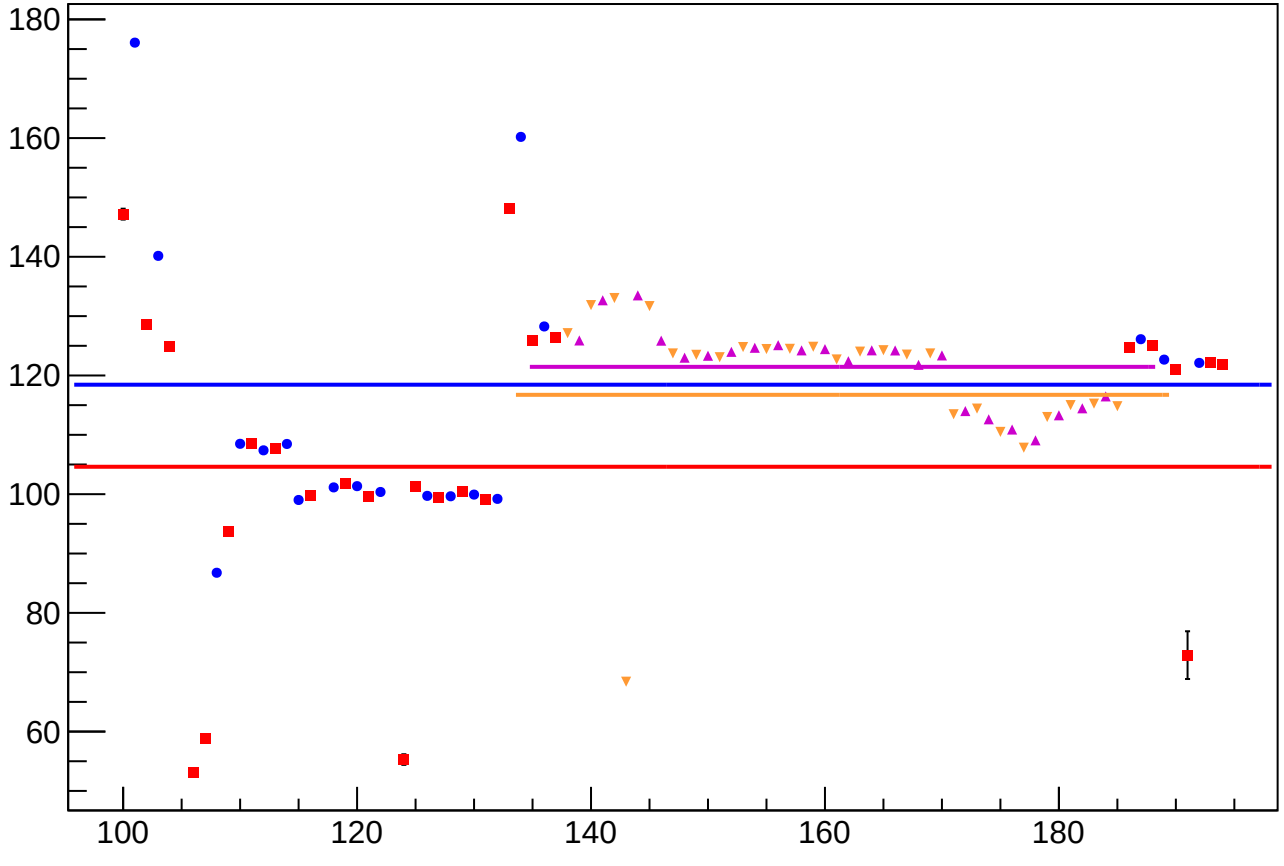
In: -227.763+/-0.709 χ^2/NDF:3916.7/41

Out: -224.602+/-0.627 χ^2/NDF:8793.9/49

All: -225.989+/-0.469 χ^2/NDF: 12721.7/91


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
300
200
100
0
−100
100
120
140
160
180
Right In: -76.984+/-1.236 χ²/NDF: 531.5/18
Left Out: -73.426+/-0.767 χ²/NDF:836.6/24
Right Out: -67.359+/-1.140 χ²/NDF: 863.2/24
Left In: -78.329+/-0.817 χ²/NDF:443.2/22
Left: -75.722+/-0.559 χ²/NDF: 1298.9/47
Right: -71.780+/-0.838 χ²/NDF: 1427.4/43
In: -77.920+/-0.682 χ²/NDF:975.5/41
Out: -71.535+/-0.636 χ²/NDF:1719.3/49
All: -74.507+/-0.465 χ²/NDF: 2741.7/91

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 118.446+/-0.072 χ^2/NDF: 96113.3/18

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 104.620+/-0.062 χ^2/NDF: 190485.7/24

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

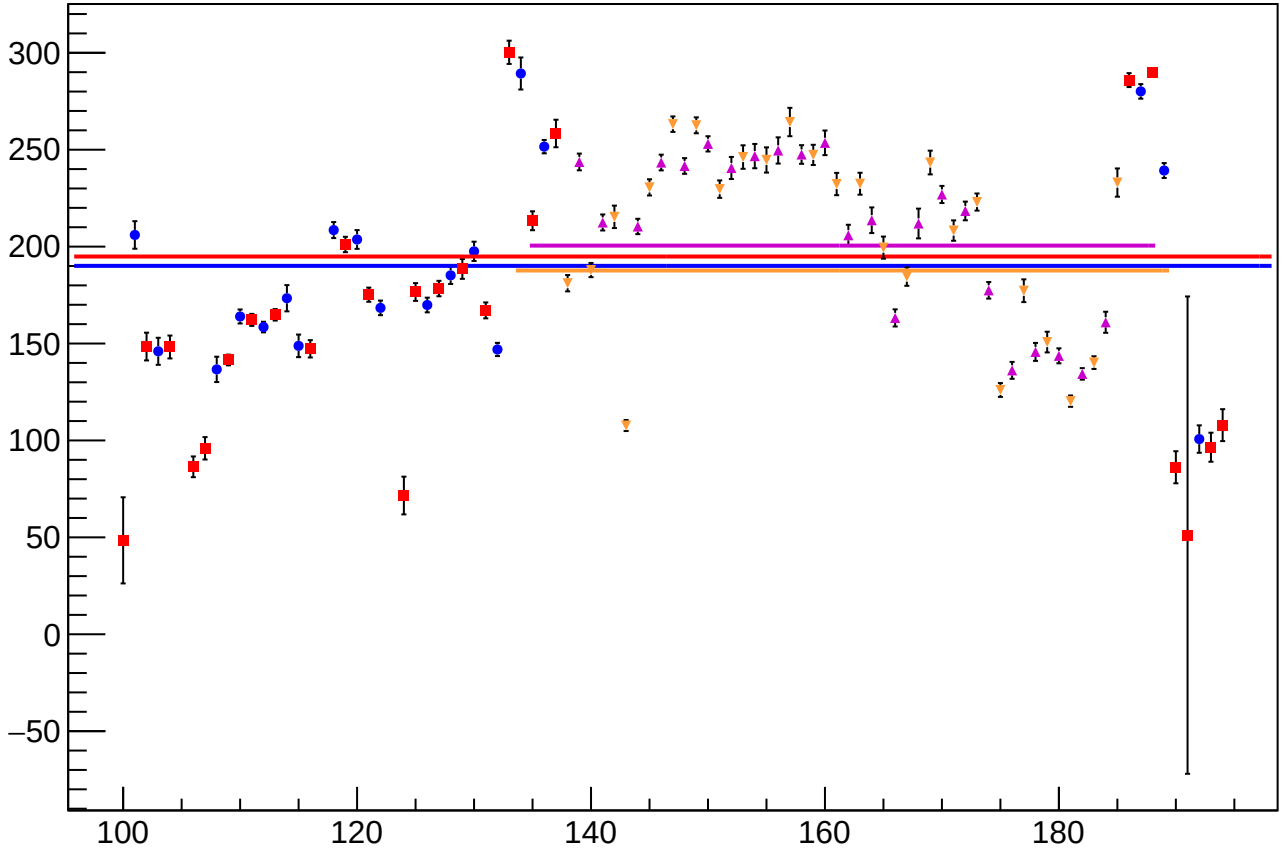
Right: 110.534+/-0.047 χ^2/NDF: 307605.9/43

In: 120.822+/-0.033 χ^2/NDF:126282.3/41

Out: 113.736+/-0.031 χ^2/NDF:422521.2/49

All: 117.053+/-0.023 χ^2/NDF: 573158.2/91

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 190.074+/-1.000 χ^2/NDF: 1967.8/18

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 194.895+/-0.864 χ^2/NDF: 5624.7/24

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

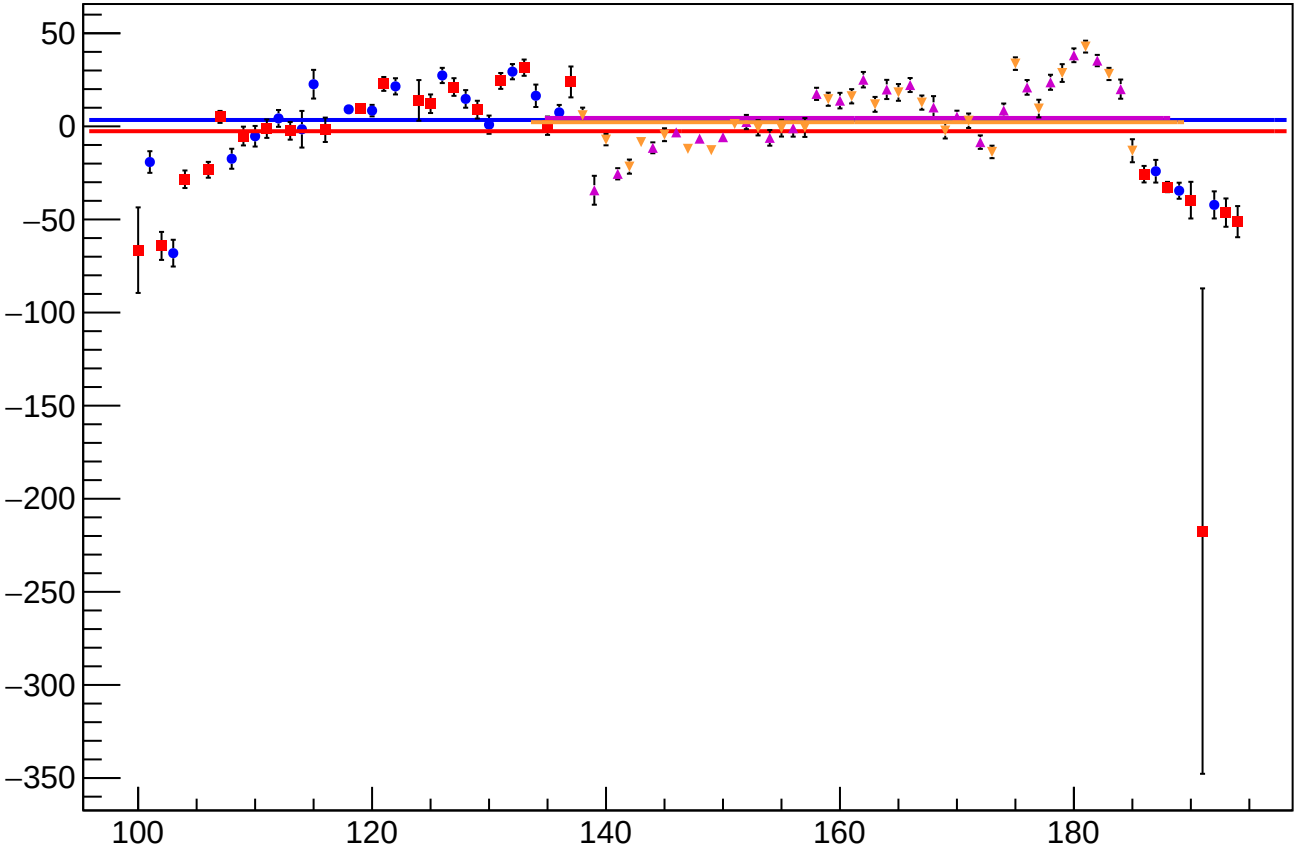
Right: 192.834+/-0.654 χ^2/NDF: 7605.8/43

In: 195.535+/-0.691 χ^2/NDF:4136.3/41

Out: 191.426+/-0.622 χ^2/NDF:9186.6/49

All: 193.268+/-0.462 χ^2/NDF: 13342.4/91

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.427+/-1.050 χ^2/NDF: 386.6/18

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -2.606+/-0.949 χ^2/NDF: 586.4/24

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

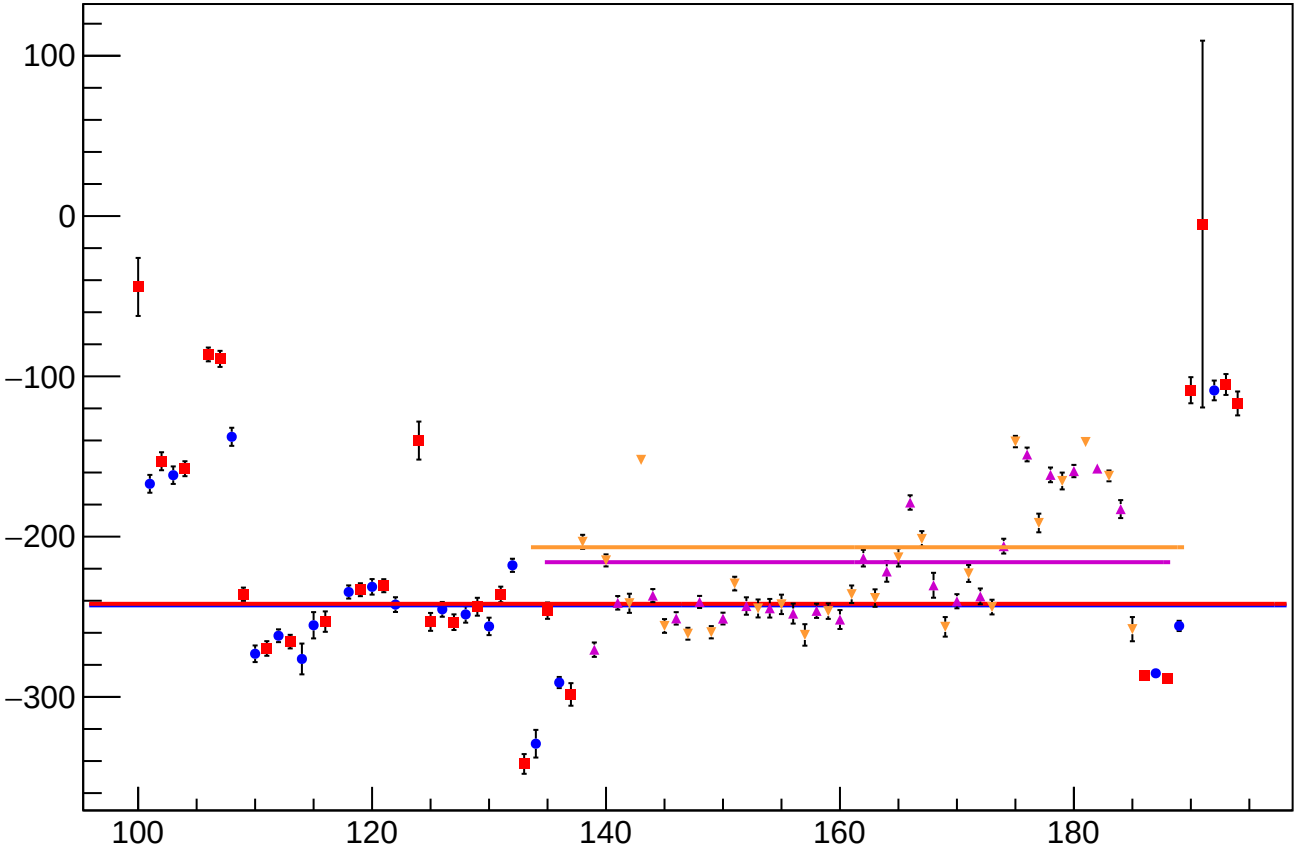
Right: 0.105+/-0.704 χ^2/NDF: 991.2/43

In: 4.169+/-0.591 χ^2/NDF:934.5/41

Out: 0.649+/-0.544 χ^2/NDF:1204.8/49

All: 2.266+/-0.400 χ^2/NDF: 2158.5/91

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -242.871+/-1.069 χ^2/NDF: 1849.0/18

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -241.912+/-0.878 χ^2/NDF: 5533.1/24

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

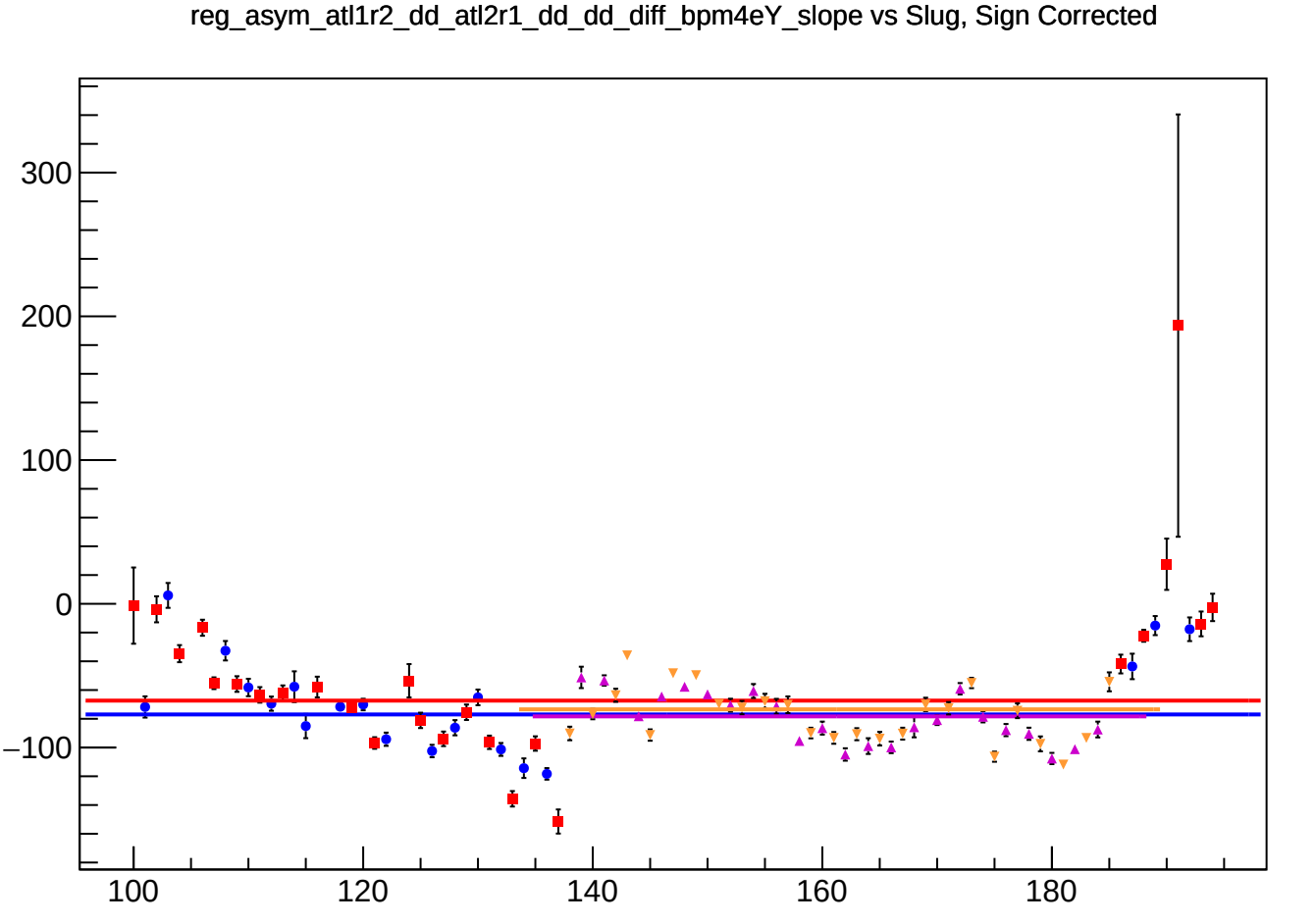
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -242.298+/-0.678 χ^2/NDF: 7382.6/43

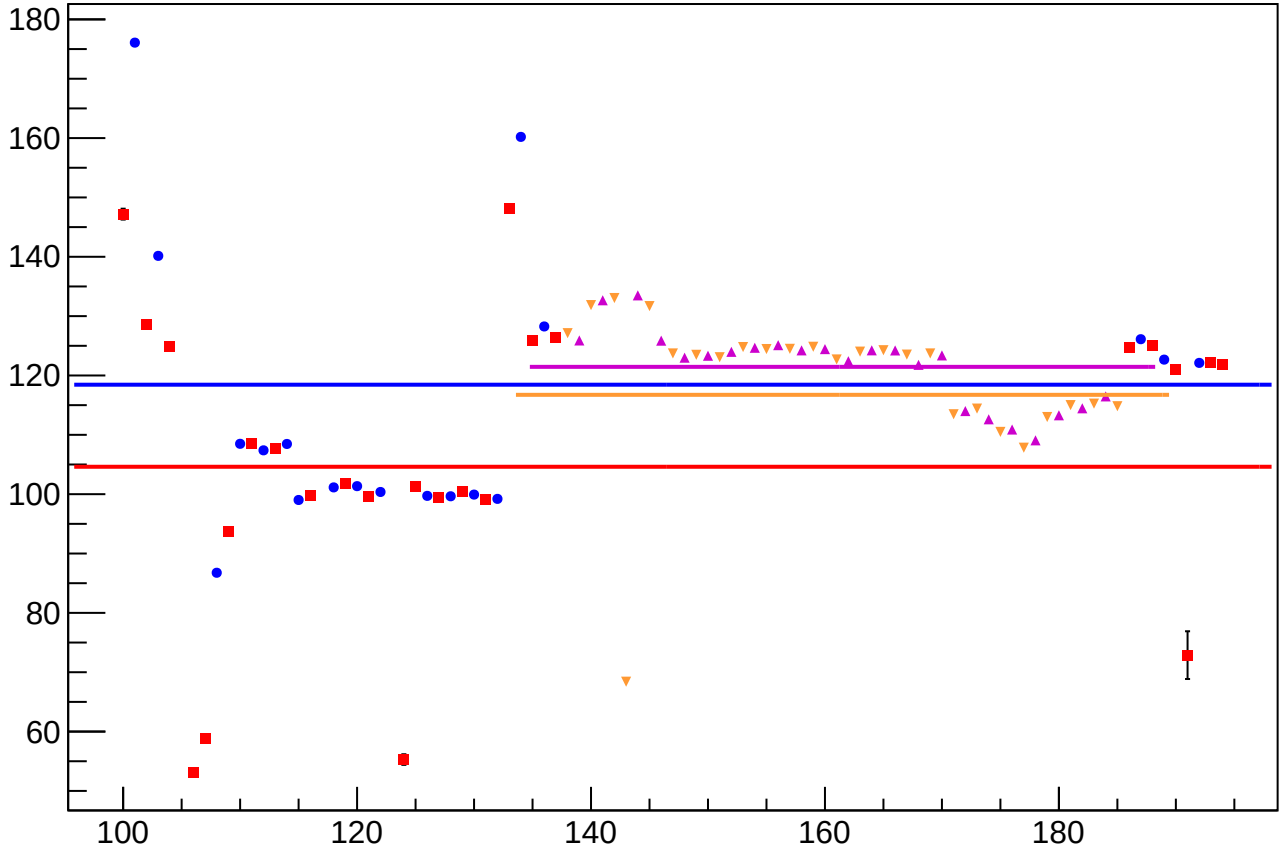
In: -227.763+/-0.709 χ^2/NDF:3916.7/41

Out: -224.602+/-0.627 χ^2/NDF:8793.9/49

All: -225.989+/-0.469 χ^2/NDF: 12721.7/91


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
300
200
100
0
−100
100
120
140
160
180
Right In: -76.984+/-1.236 χ2/NDF: 531.5/18
Left Out: -73.426+/-0.767 χ2/NDF:836.6/24
Right Out: -67.359+/-1.140 χ2/NDF: 863.2/24
Left In: -78.329+/-0.817 χ2/NDF:443.2/22
Left: -75.722+/-0.559 χ2/NDF: 1298.9/47
Right: -71.780+/-0.838 χ2/NDF: 1427.4/43
In: -77.920+/-0.682 χ2/NDF:975.5/41
Out: -71.535+/-0.636 χ2/NDF:1719.3/49
All: -74.507+/-0.465 χ2/NDF: 2741.7/91

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 118.446+/-0.072 χ^2/NDF: 96113.3/18

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 104.620+/-0.062 χ^2/NDF: 190485.7/24

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

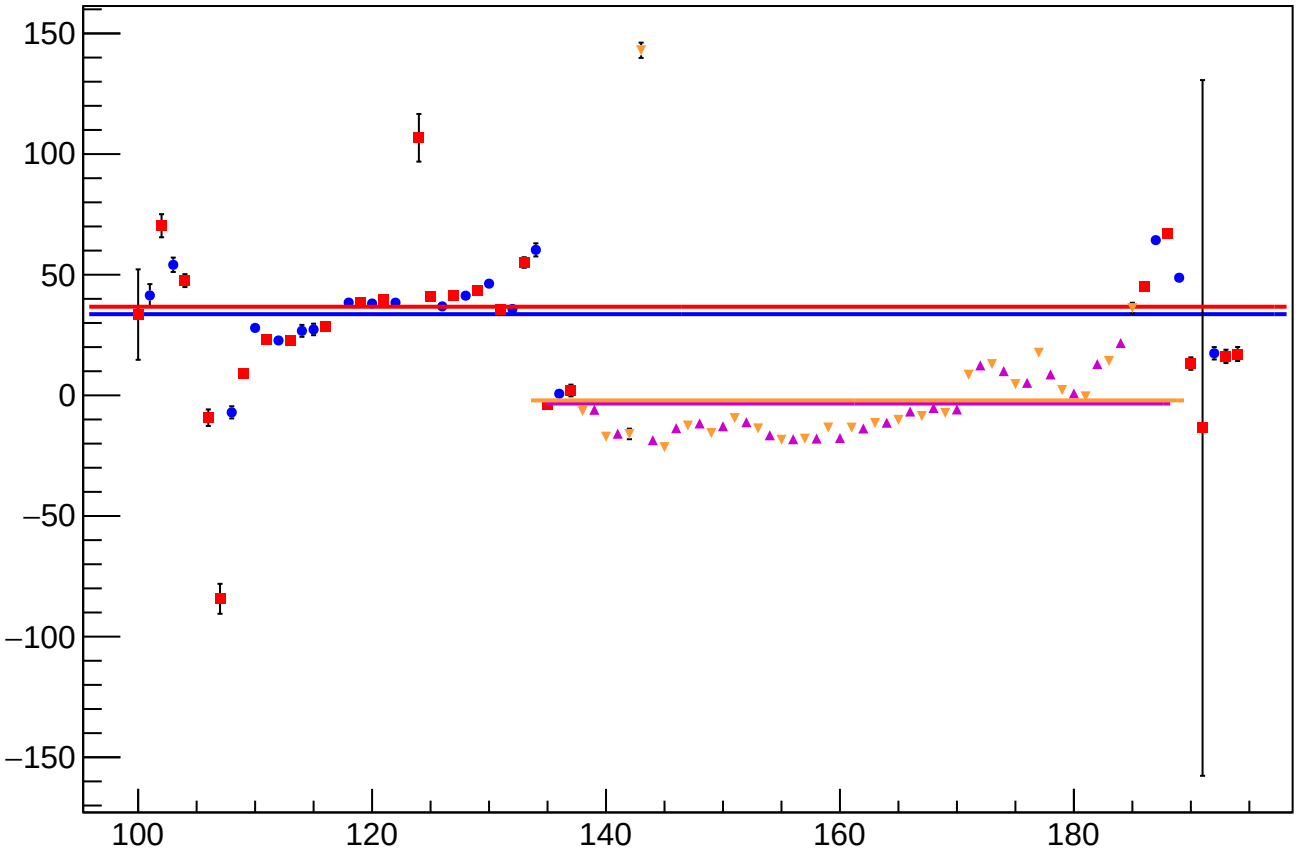
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 110.534+/-0.047 χ^2/NDF: 307605.9/43

In: 120.822+/-0.033 χ^2/NDF:126282.3/41

Out: 113.736+/-0.031 χ^2/NDF:422521.2/49

All: 117.053+/-0.023 χ^2/NDF: 573158.2/91



Right In: 33.647+/-0.382 χ^2/NDF: 2191.8/18

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 36.735+/-0.324 χ^2/NDF: 4484.3/24

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

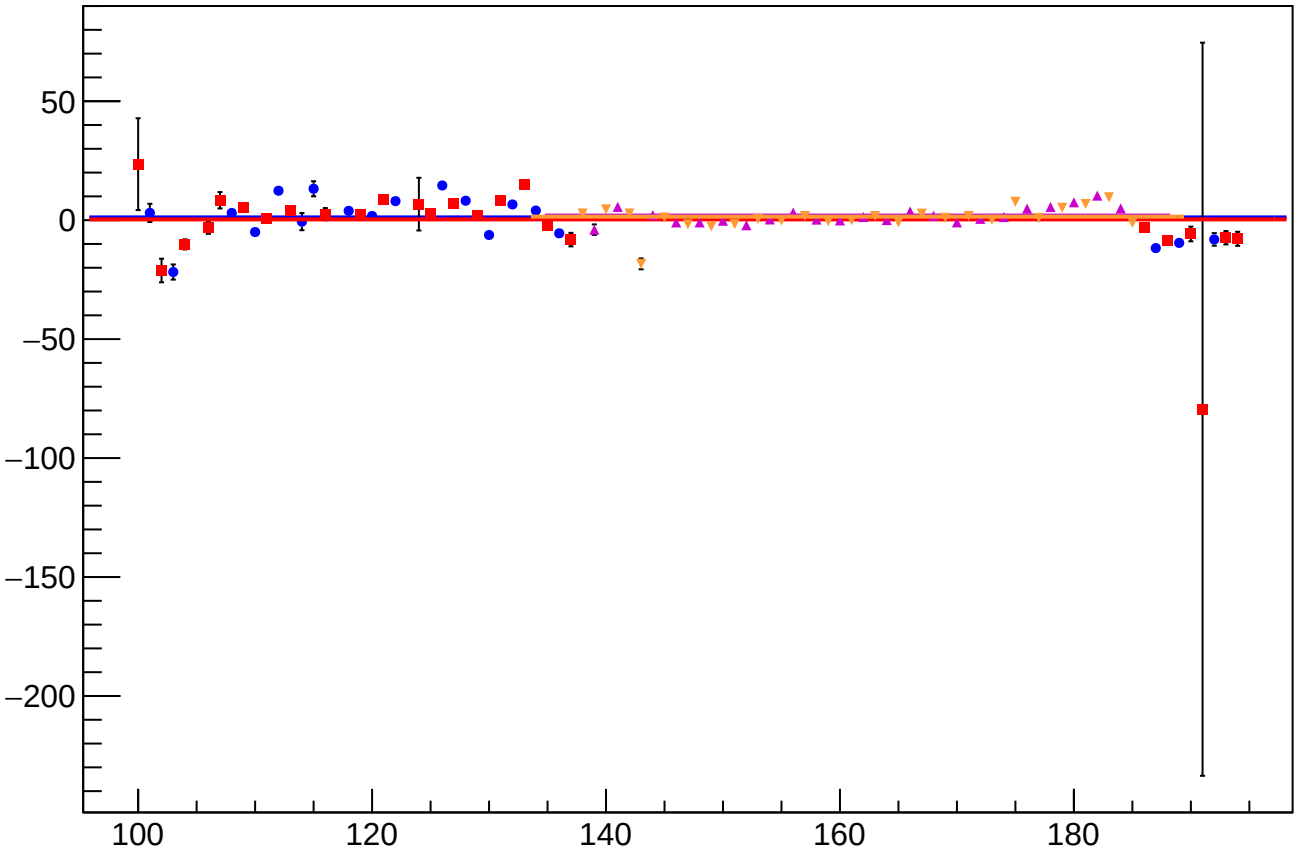
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 35.442+/-0.247 χ^2/NDF: 6714.2/43

In: 9.036+/-0.221 χ^2/NDF:10198.6/41

Out: 13.592+/-0.206 χ^2/NDF:17241.6/49

All: 11.476+/-0.151 χ^2/NDF: 27667.5/91



Right In: 1.159+/-0.411 χ^2/NDF: 366.2/18

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: 0.322+/-0.375 χ^2/NDF: 334.8/24

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

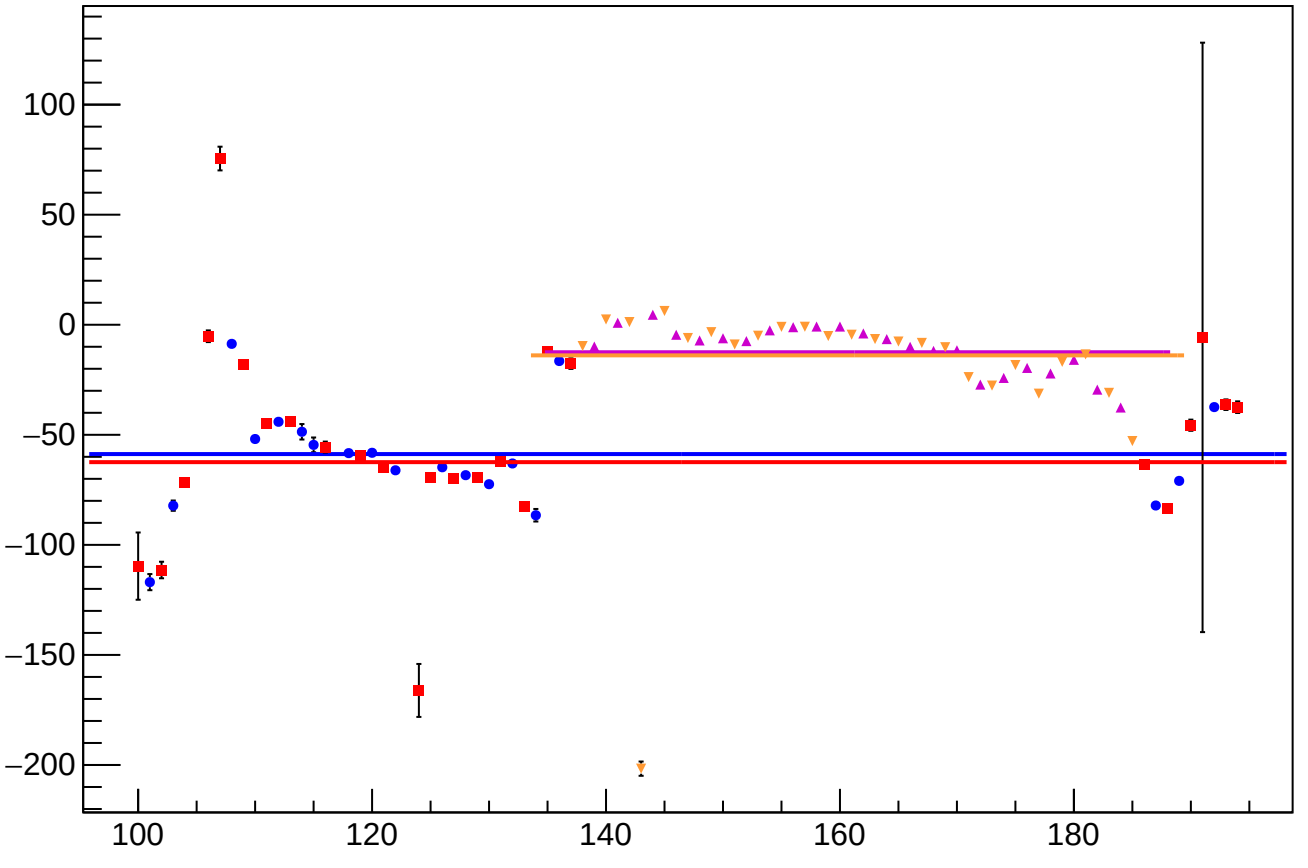
Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

Right: 0.702+/-0.277 χ^2/NDF: 703.3/43

In: 1.772+/-0.187 χ^2/NDF:609.7/41

Out: 1.220+/-0.180 χ^2/NDF:670.9/49

All: 1.485+/-0.130 χ^2/NDF: 1285.1/91



Right In: -58.751+/-0.405 χ^2/NDF: 3197.9/18

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -62.418+/-0.321 χ^2/NDF: 5187.4/24

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

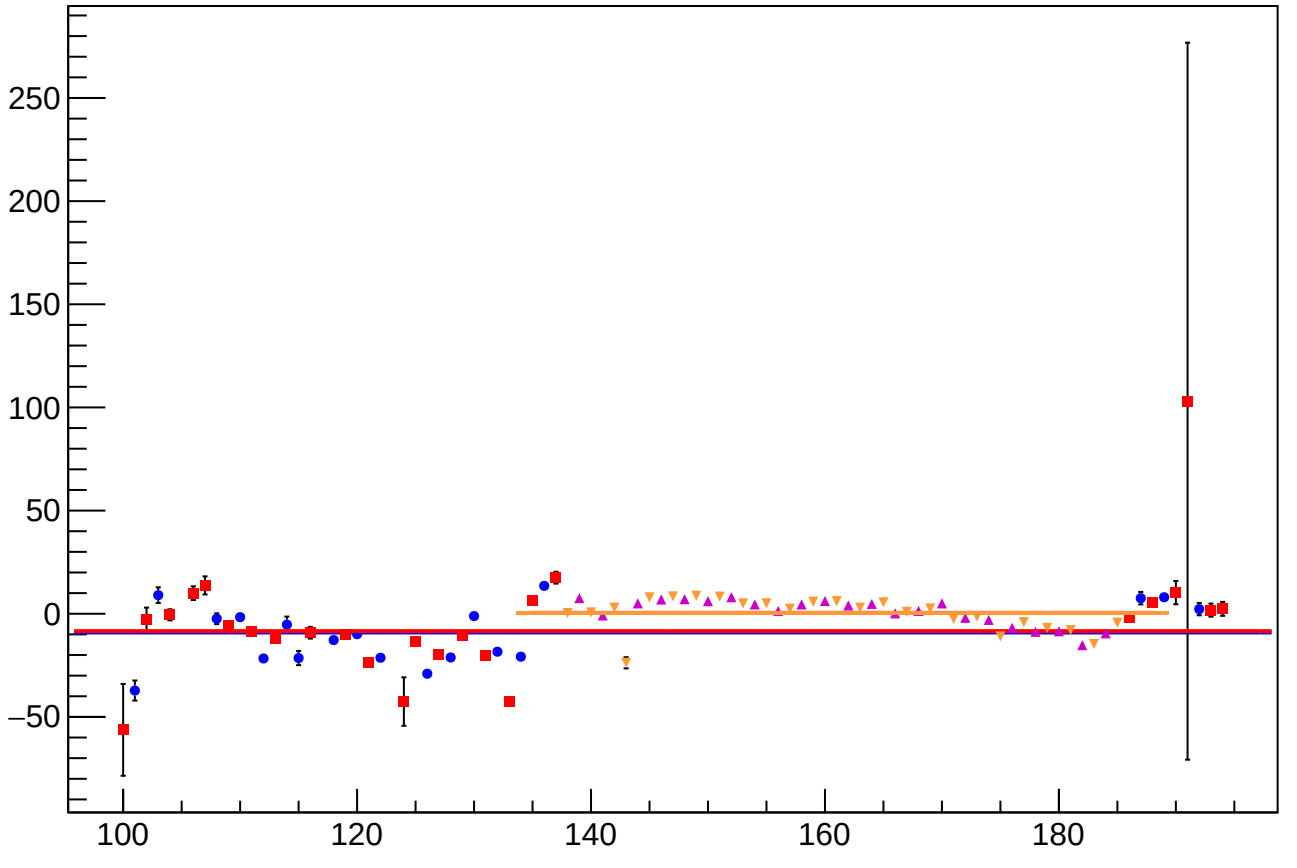
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

Right: -61.003+/-0.252 χ^2/NDF: 8435.6/43

In: -26.616+/-0.224 χ^2/NDF:13676.1/41

Out: -33.521+/-0.204 χ^2/NDF:23894.2/49

All: -30.385+/-0.151 χ^2/NDF: 38089.1/91



Right In: -9.076+/-0.481 χ^2/NDF: 775.1/18

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -8.434+/-0.454 χ^2/NDF: 832.4/24

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

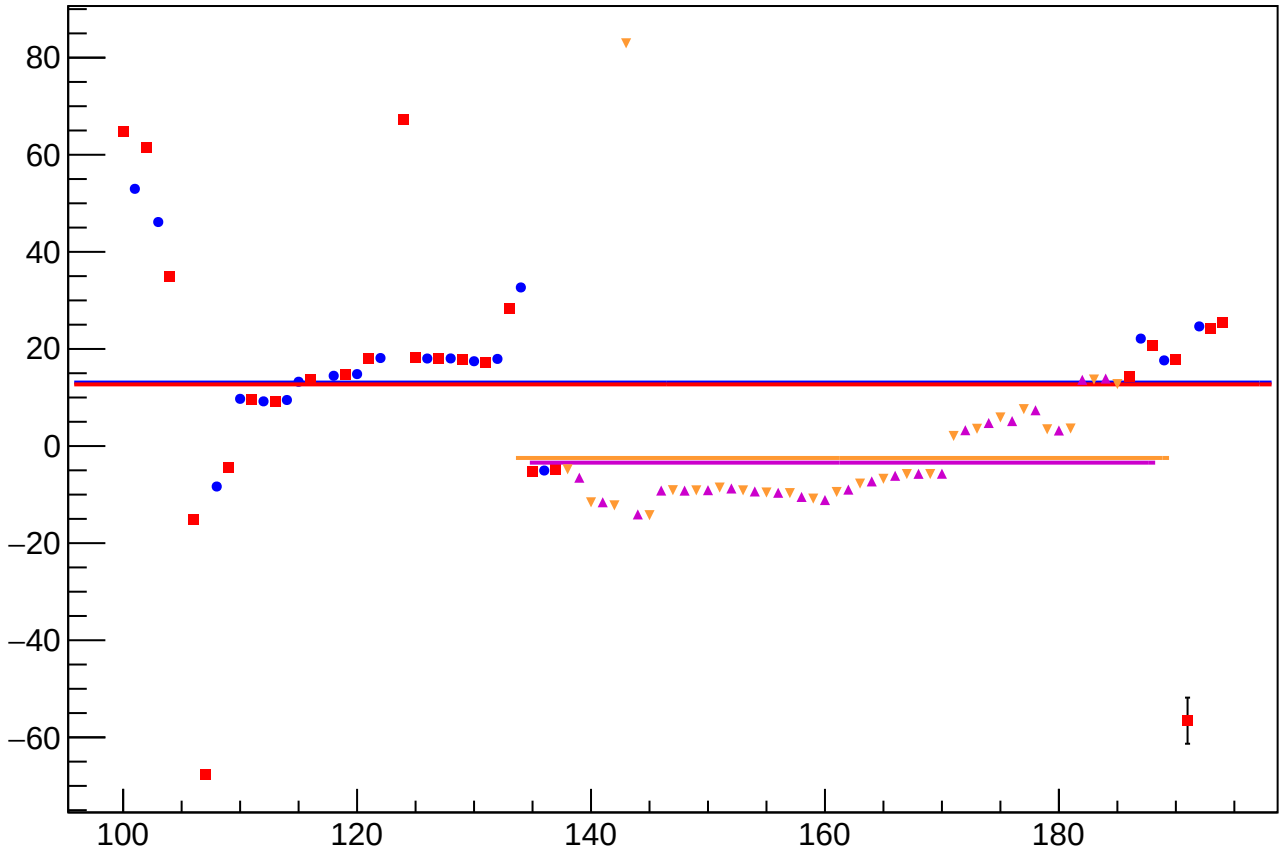
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -8.737+/-0.330 χ^2/NDF: 1608.4/43

In: -1.420+/-0.212 χ^2/NDF:1871.8/41

Out: -1.463+/-0.206 χ^2/NDF:2050.8/49

All: -1.442+/-0.148 χ^2/NDF: 3922.7/91



Right In: 13.076+/-0.027 χ^2/NDF: 372615.4/18

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 12.703+/-0.026 χ^2/NDF: 494109.5/24

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

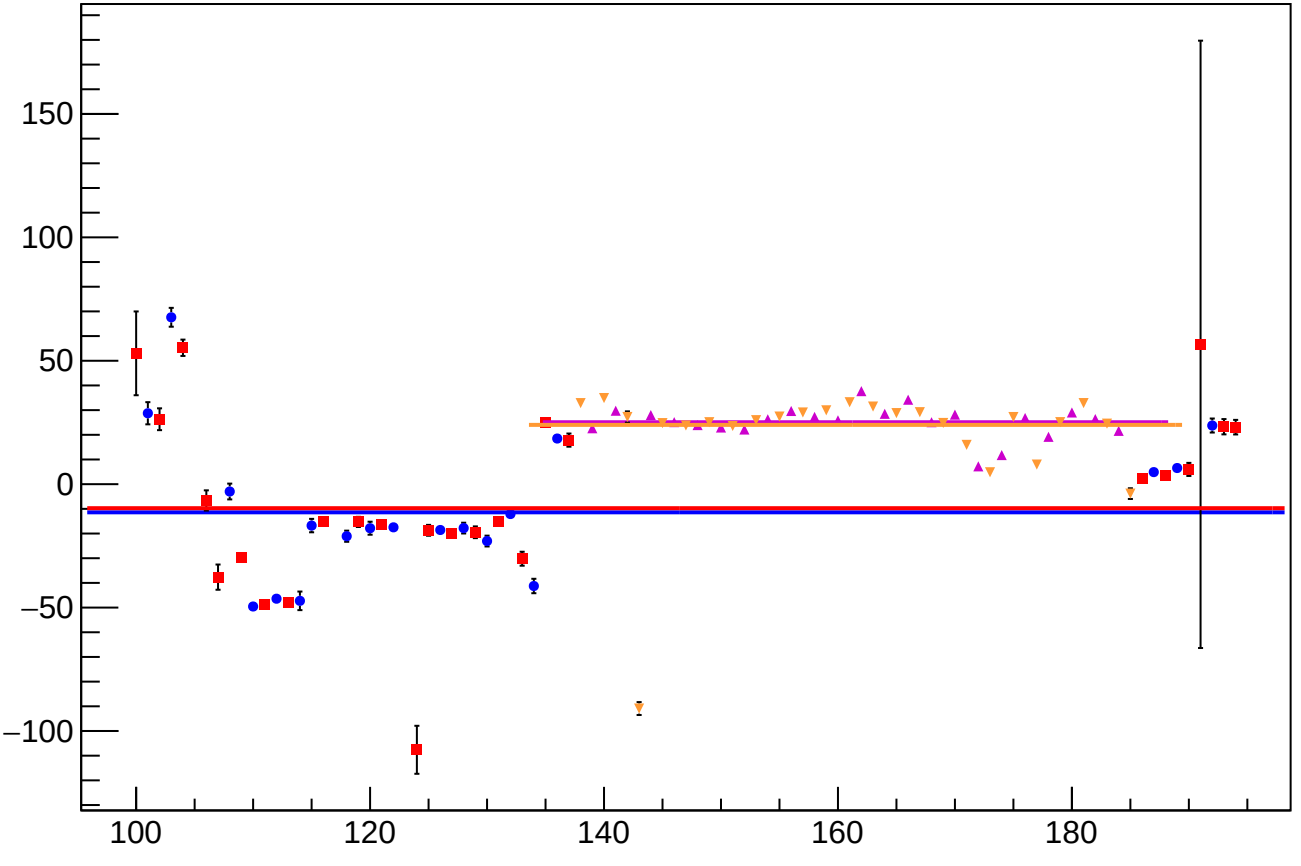
Right: 12.881+/-0.019 χ^2/NDF: 866823.5/43

In: -1.301+/-0.010 χ^2/NDF:1239828.7/41

Out: -0.363+/-0.010 χ^2/NDF:1751413.9/49

All: -0.825+/-0.007 χ^2/NDF: 2995940.1/91

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -11.405+/-0.493 χ^2/NDF: 2496.7/18

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -9.730+/-0.428 χ^2/NDF: 2882.1/24

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

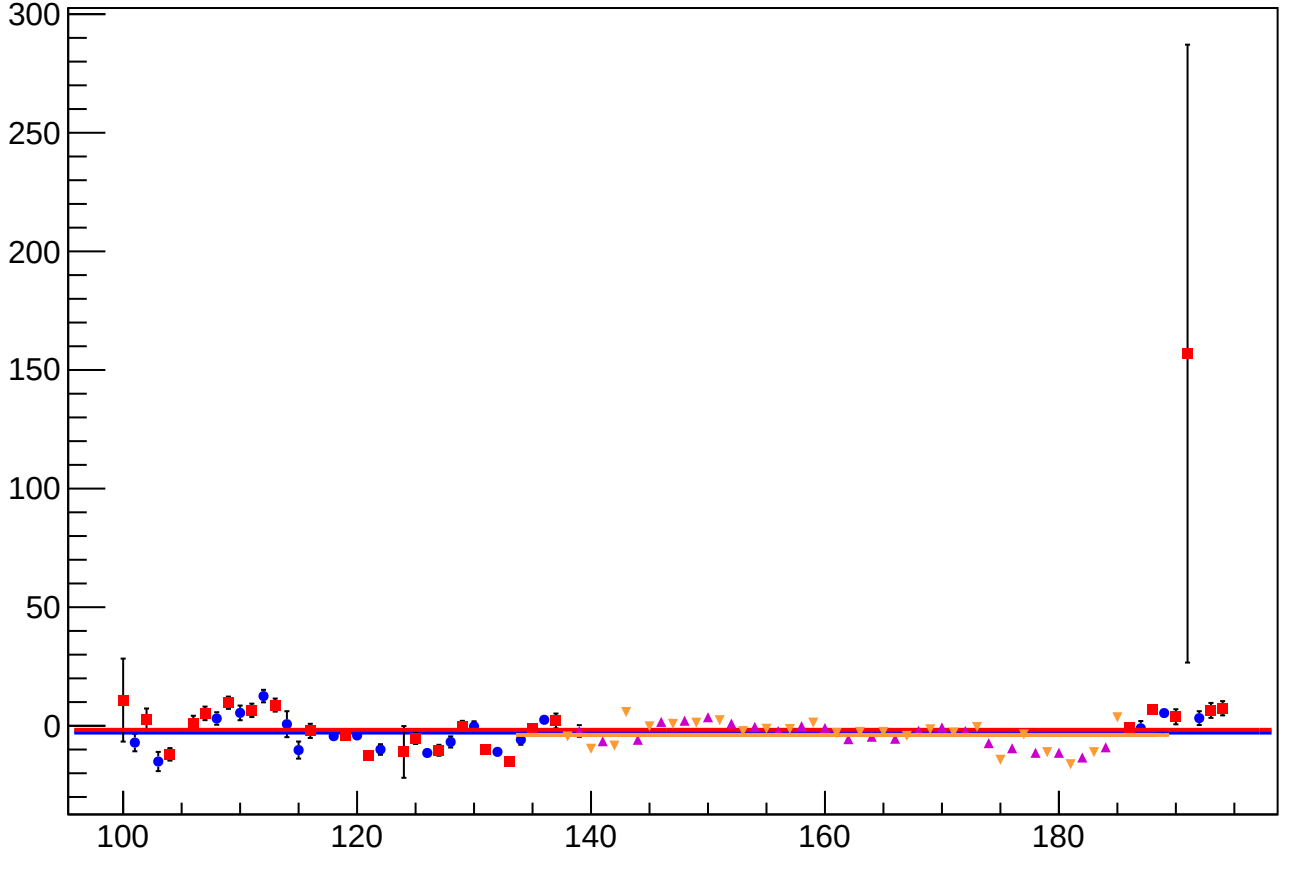
Right: -10.451+/-0.323 χ^2/NDF: 5385.4/43

In: 15.829+/-0.248 χ^2/NDF:7088.8/41

Out: 13.813+/-0.236 χ^2/NDF:10018.7/49

All: 14.768+/-0.171 χ^2/NDF: 17142.2/91

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.845+/-0.518 χ^2/NDF: 146.0/18

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -1.696+/-0.481 χ^2/NDF: 229.2/24

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

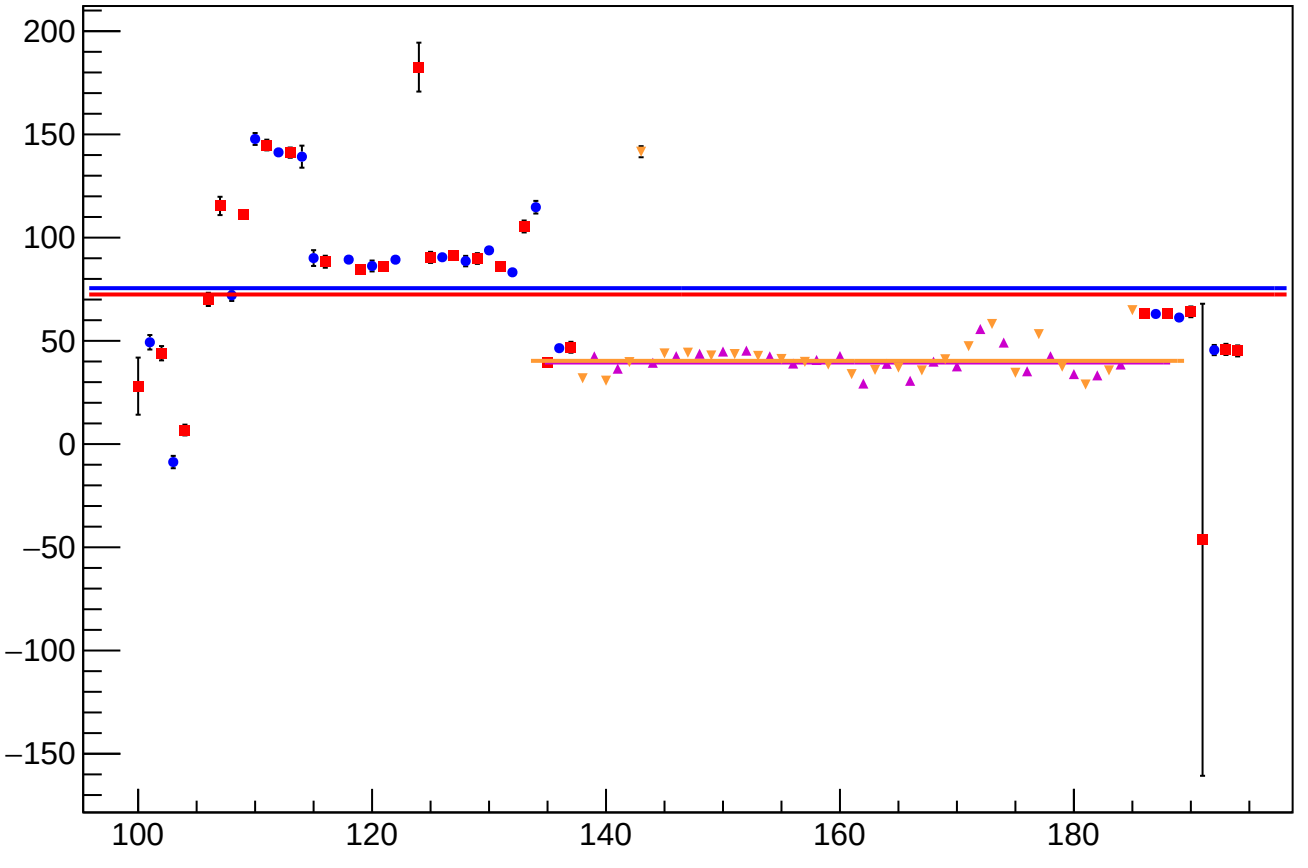
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: -2.229+/-0.352 χ^2/NDF: 377.9/43

In: -3.633+/-0.205 χ^2/NDF:658.6/41

Out: -3.480+/-0.198 χ^2/NDF:895.1/49

All: -3.554+/-0.143 χ^2/NDF: 1554.0/91



Right In: 75.520+/-0.522 χ^2/NDF: 3605.9/18

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 72.463+/-0.430 χ^2/NDF: 3976.2/24

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

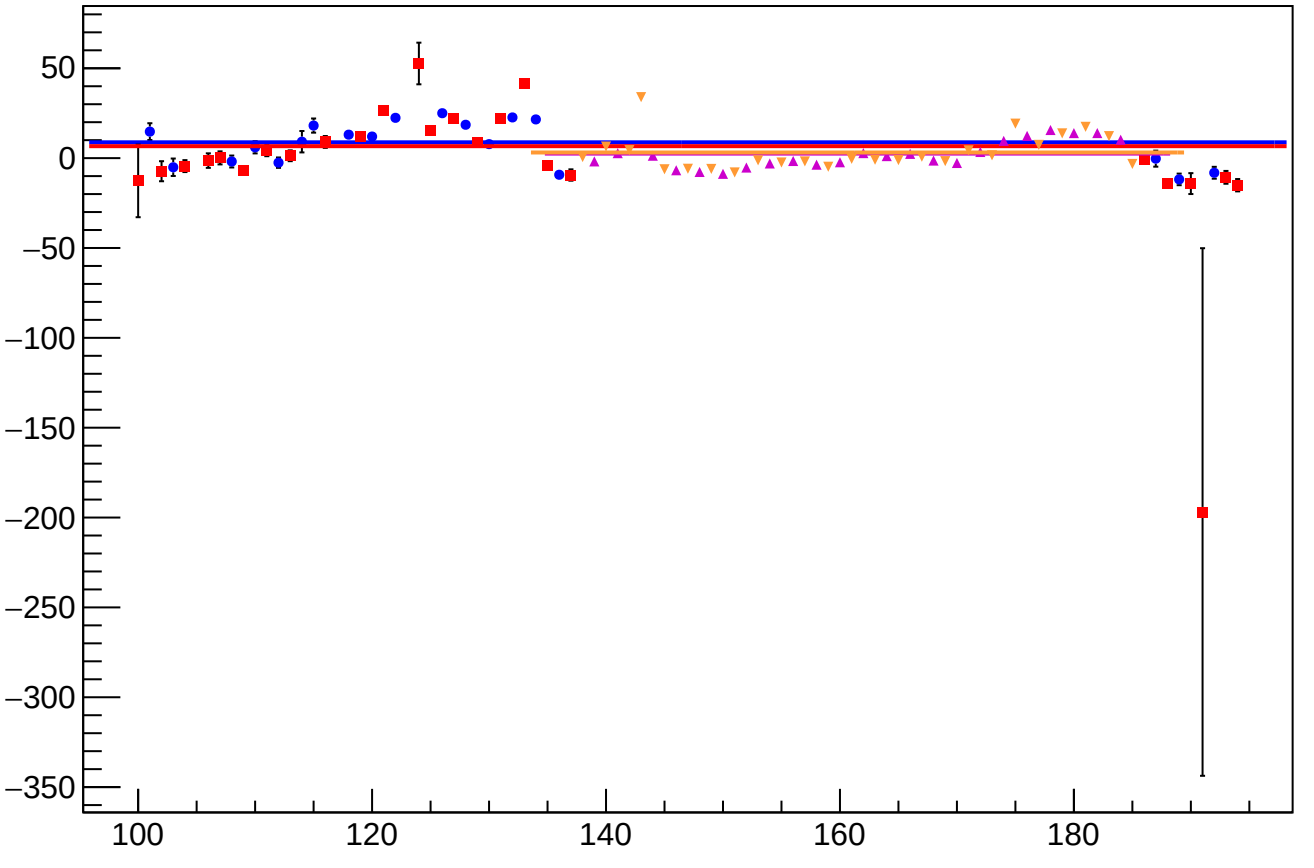
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 73.697+/-0.332 χ^2/NDF: 7602.5/43

In: 47.757+/-0.250 χ^2/NDF:7704.7/41

Out: 49.909+/-0.235 χ^2/NDF:10088.5/49

All: 48.901+/-0.171 χ^2/NDF: 17832.7/91



Right In: 8.800+/-0.599 χ^2/NDF: 437.4/18

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 6.649+/-0.574 χ^2/NDF: 683.1/24

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

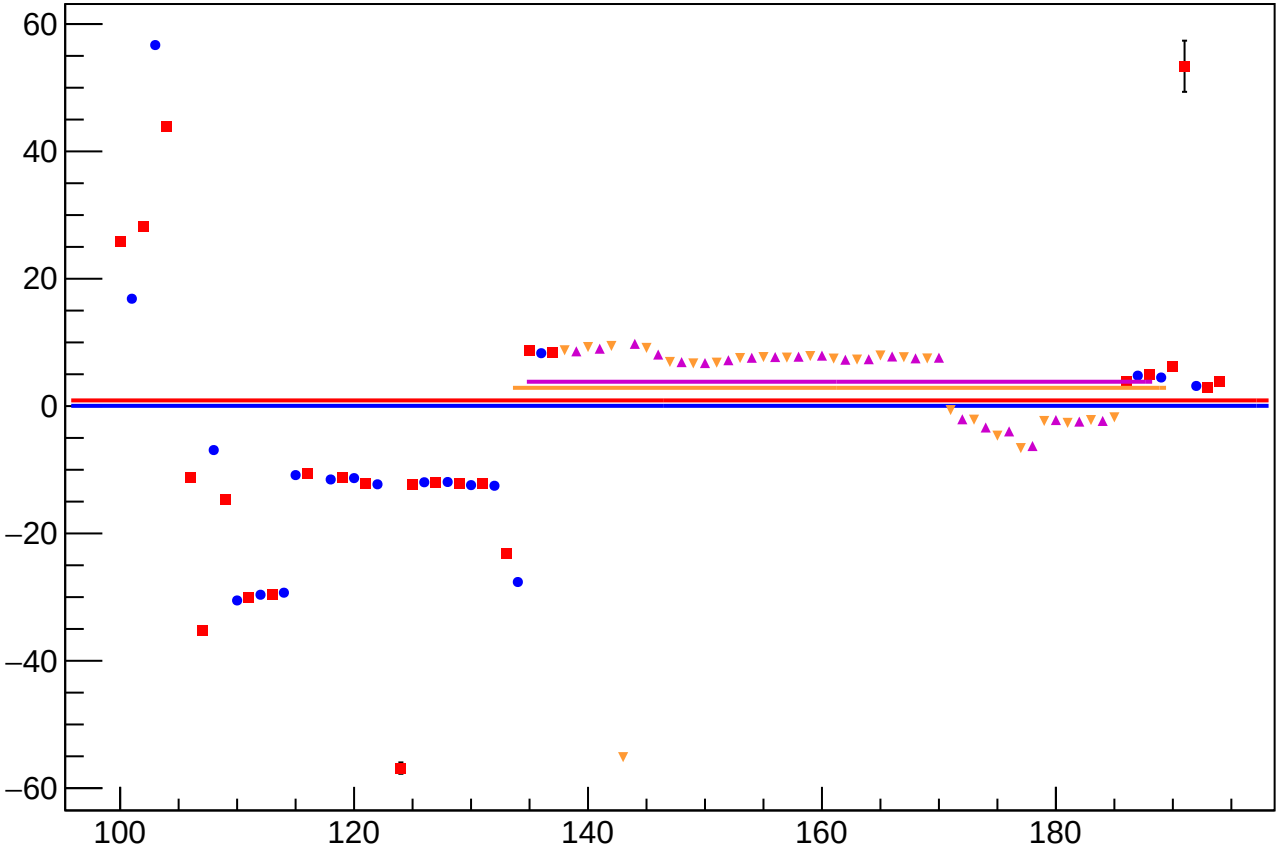
Right: 7.679+/-0.415 χ^2/NDF: 1127.2/43

In: 3.457+/-0.232 χ^2/NDF:1499.1/41

Out: 3.683+/-0.226 χ^2/NDF:1981.6/49

All: 3.573+/-0.162 χ^2/NDF: 3481.2/91

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.041+/-0.033 χ^2/NDF: 370835.9/18

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 0.893+/-0.031 χ^2/NDF: 322085.7/24

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

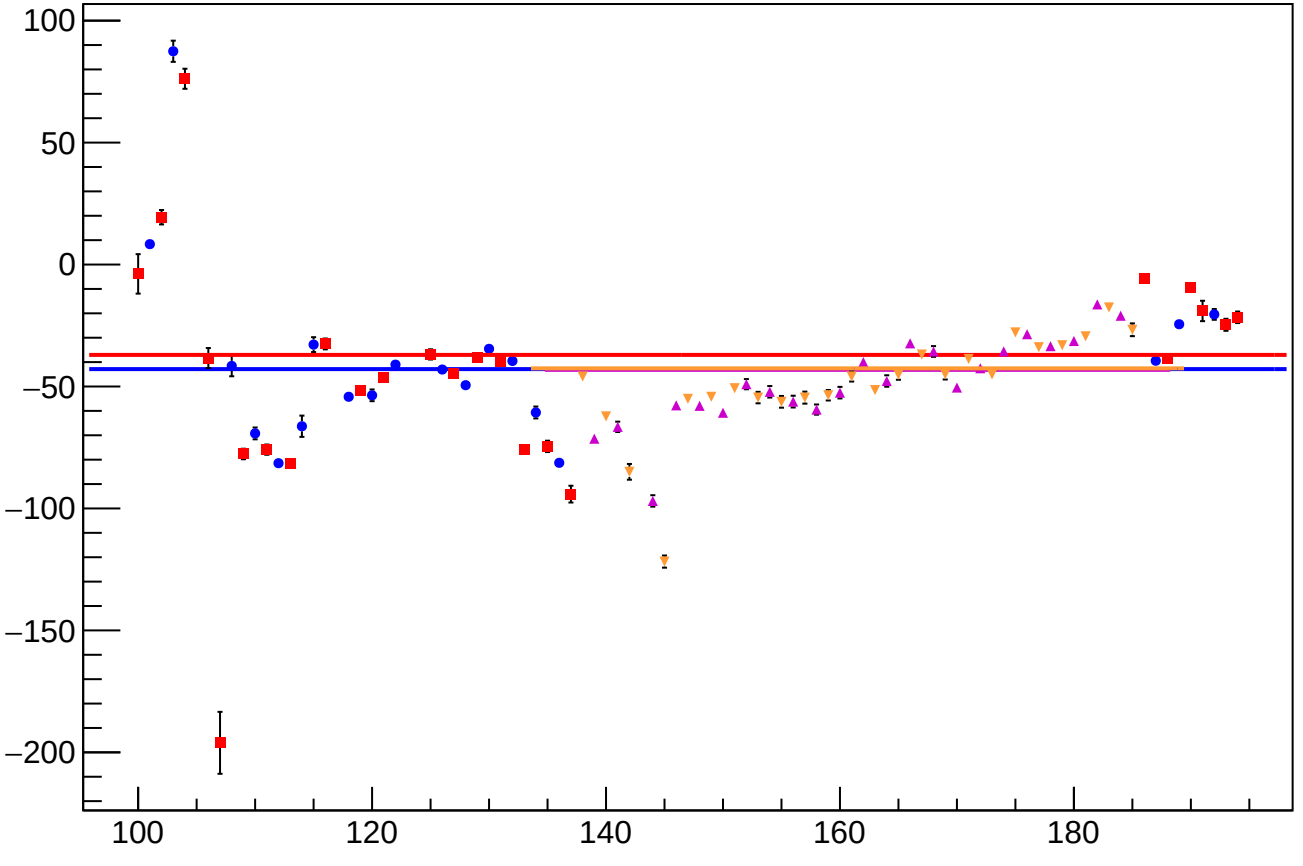
Right: 0.491+/-0.022 χ^2/NDF: 693281.4/43

In: 3.432+/-0.011 χ^2/NDF:616124.6/41

Out: 2.647+/-0.010 χ^2/NDF:838065.1/49

All: 3.034+/-0.007 χ^2/NDF: 1457020.9/91

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -42.869+/-0.459 χ^2/NDF: 3121.9/18

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -37.046+/-0.382 χ^2/NDF: 5047.1/23

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

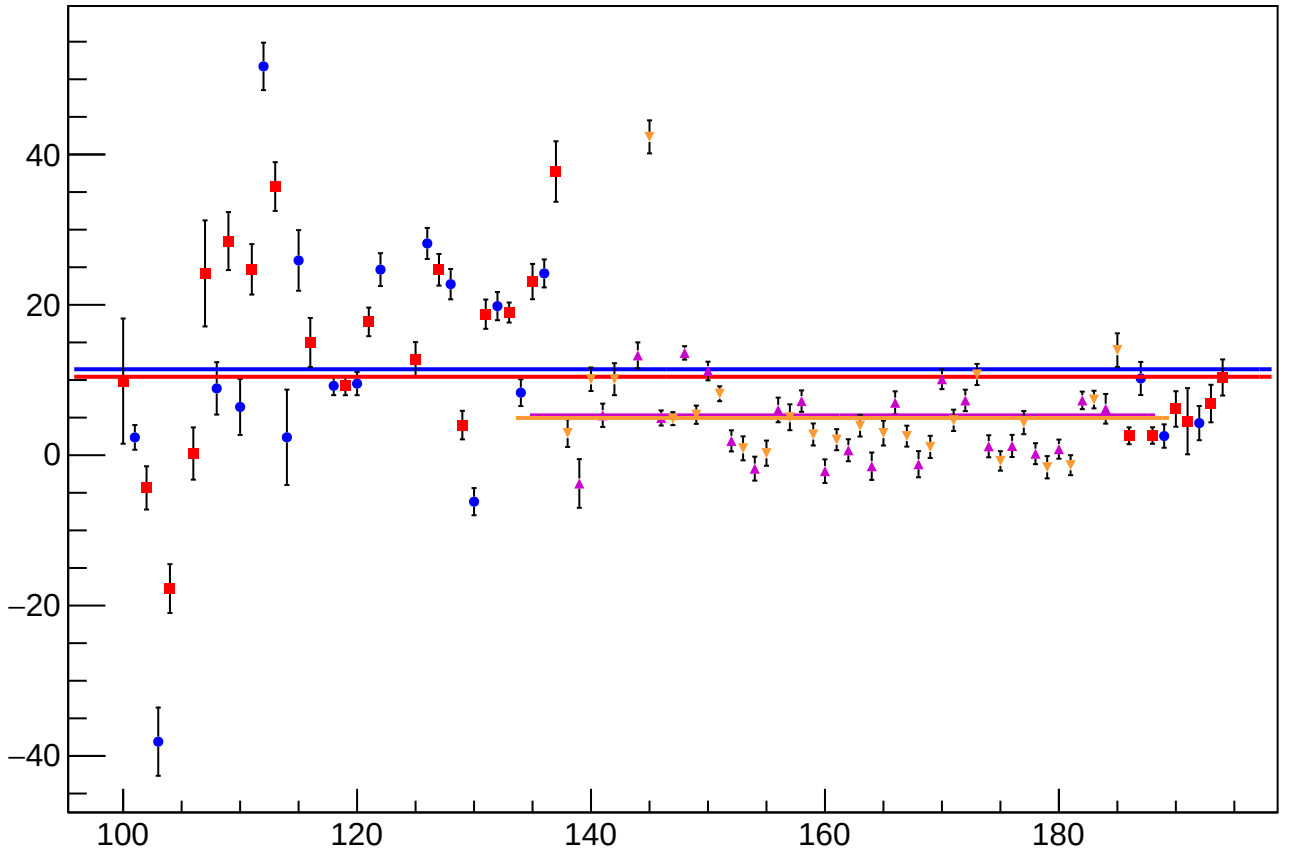
Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

Right: -39.432+/-0.294 χ^2/NDF: 8264.1/42

In: -43.036+/-0.293 χ^2/NDF:5328.8/41

Out: -39.830+/-0.269 χ^2/NDF:7478.7/47

All: -41.294+/-0.198 χ^2/NDF: 12872.3/89



Right In: 11.432+/-0.470 χ^2/NDF: 675.9/18

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 10.429+/-0.424 χ^2/NDF: 532.2/23

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

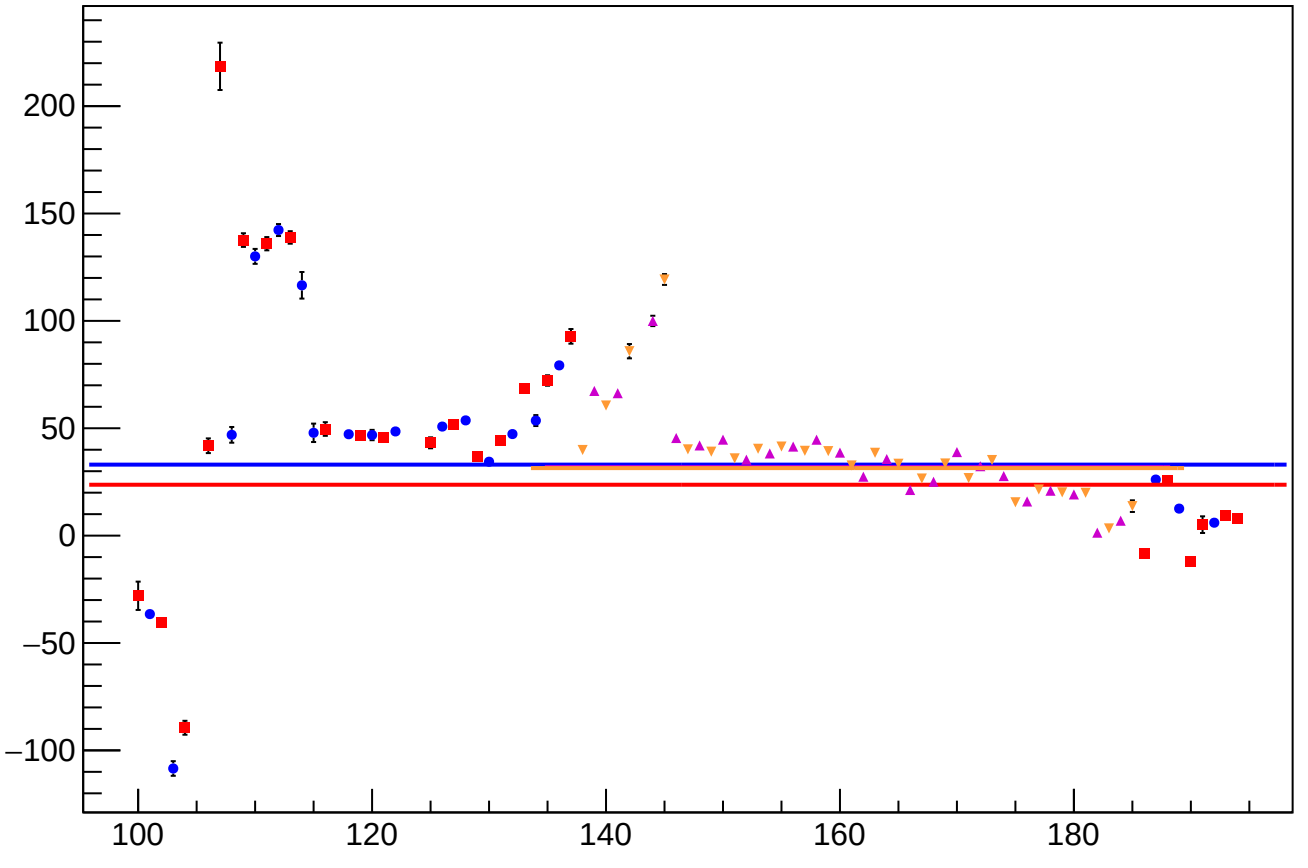
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

Right: 10.879+/-0.315 χ^2/NDF: 1210.6/42

In: 7.022+/-0.249 χ^2/NDF:1084.9/41

Out: 6.688+/-0.238 χ^2/NDF:1095.3/47

All: 6.847+/-0.172 χ^2/NDF: 2181.2/89



Right In: 33.061+/-0.460 χ^2/NDF: 7959.9/18

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 23.699+/-0.358 χ^2/NDF: 11021.3/23

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

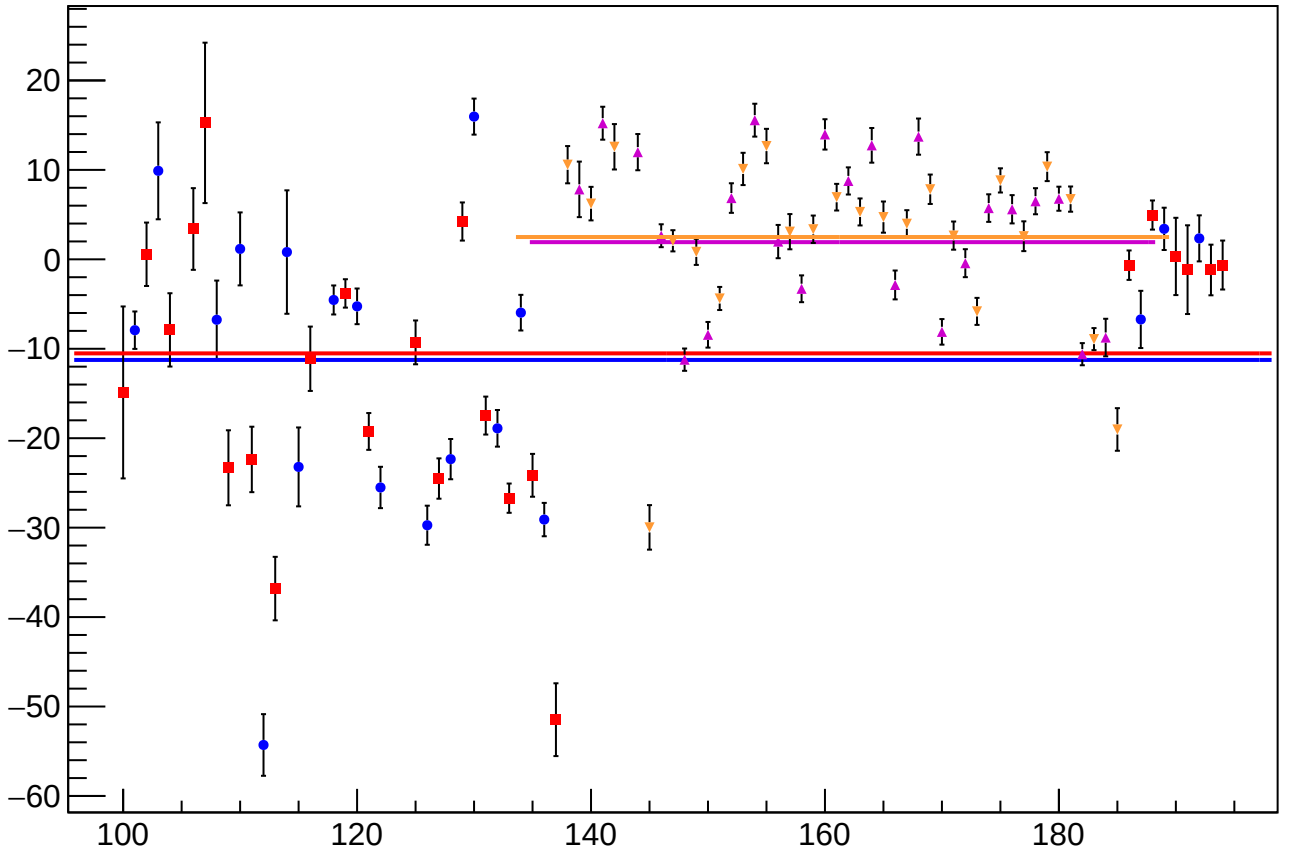
Left: 31.665+/-0.266 χ^2/NDF: 5530.0/46

Right: 27.230+/-0.283 χ^2/NDF: 19239.0/42

In: 32.365+/-0.292 χ^2/NDF:10731.0/41

Out: 27.385+/-0.259 χ^2/NDF:14005.8/47

All: 29.578+/-0.194 χ^2/NDF: 24899.4/89



Right In: -11.250+/-0.558 χ^2/NDF: 717.7/18

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -10.516+/-0.524 χ^2/NDF: 627.1/23

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

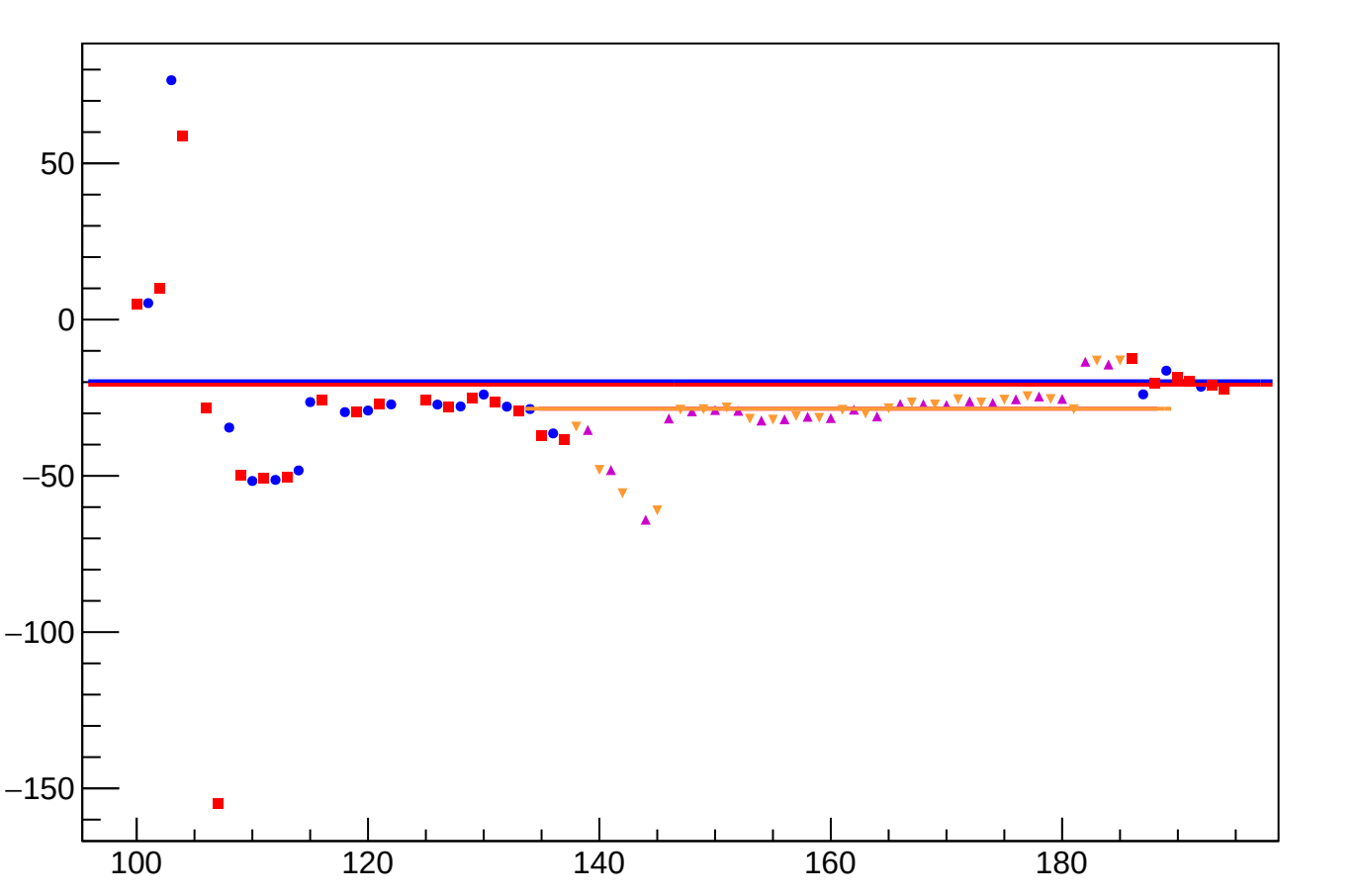
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -10.859+/-0.382 χ^2/NDF: 1345.7/42

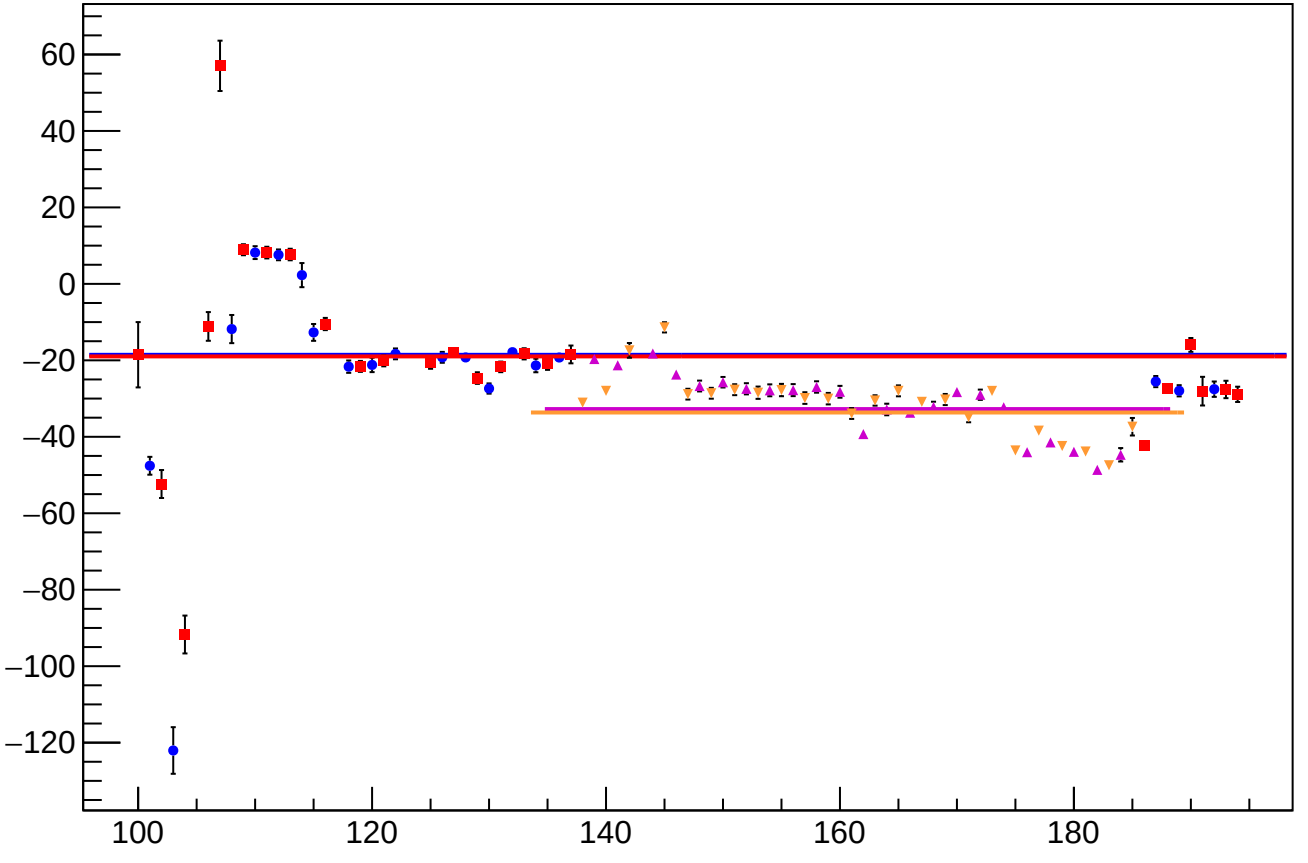
In: -1.519+/-0.285 χ^2/NDF:1807.6/41

Out: -1.149+/-0.277 χ^2/NDF:1629.8/47

All: -1.329+/-0.199 χ^2/NDF: 3438.3/89


reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
100
120
140
160
180
Right In: -19.739+/-0.031 χ²/NDF: 649042.3/18
Left Out: -28.513+/-0.015 χ²/NDF:333774.3/23
Right Out: -20.812+/-0.028 χ²/NDF: 553067.4/23
Left In: -28.495+/-0.015 χ²/NDF:287757.4/22
Left: -28.504+/-0.010 χ²/NDF: 621532.4/46
Right: -20.329+/-0.021 χ²/NDF: 1202771.4/42
In: -26.863+/-0.013 χ²/NDF:1001982.4/41
Out: -26.835+/-0.013 χ²/NDF:946129.1/47
All: -26.848+/-0.009 χ²/NDF: 1948113.7/89

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -18.559+/-0.370 χ^2/NDF: 1228.1/18

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -18.972+/-0.336 χ^2/NDF: 1980.4/23

Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

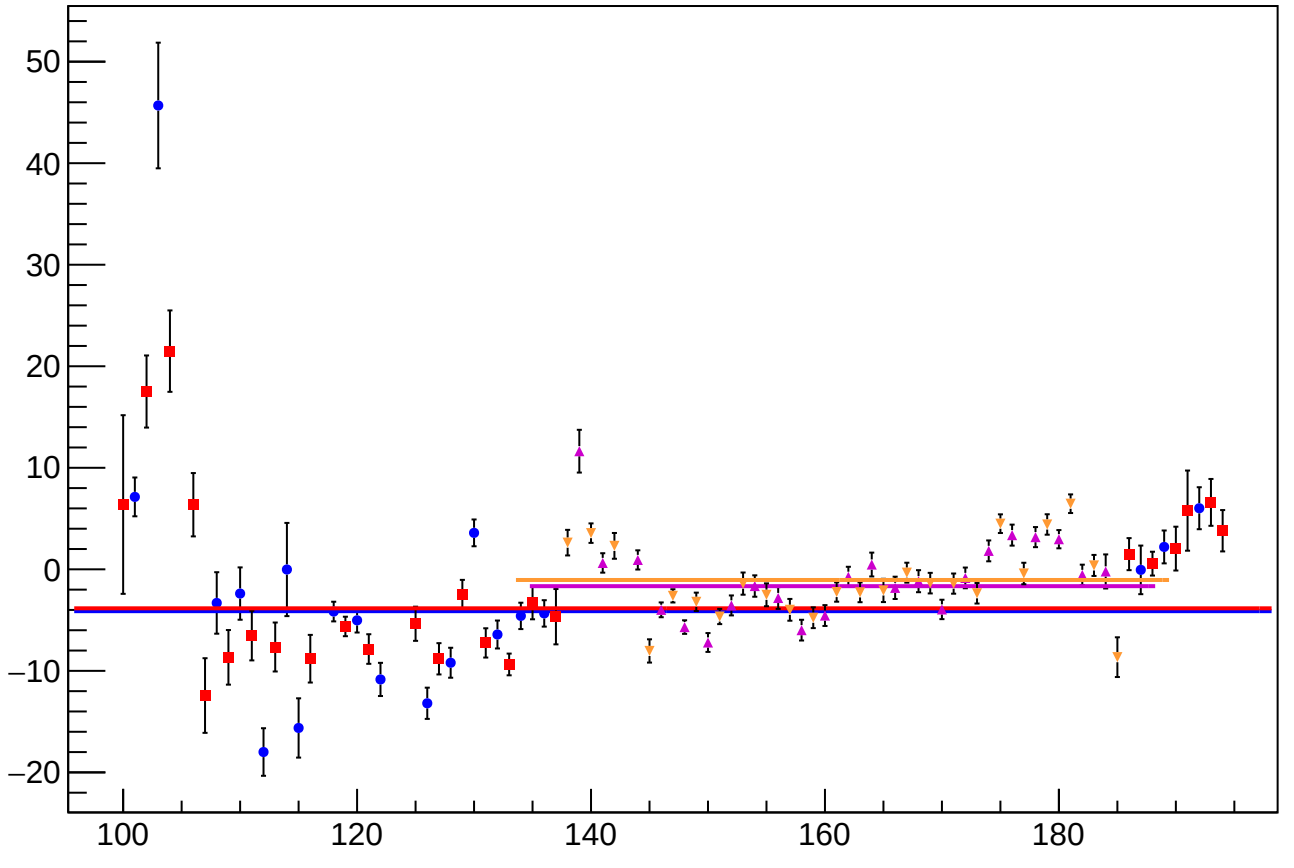
Left: -33.202+/-0.189 χ^2/NDF: 2165.0/46

Right: -18.785+/-0.249 χ^2/NDF: 3209.2/42

In: -27.851+/-0.217 χ^2/NDF:3335.6/41

Out: -28.010+/-0.208 χ^2/NDF:4172.0/47

All: -27.934+/-0.150 χ^2/NDF: 7507.9/89



Right In: -4.121+/-0.378 χ^2/NDF: 294.8/18

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -3.840+/-0.365 χ^2/NDF: 234.1/23

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

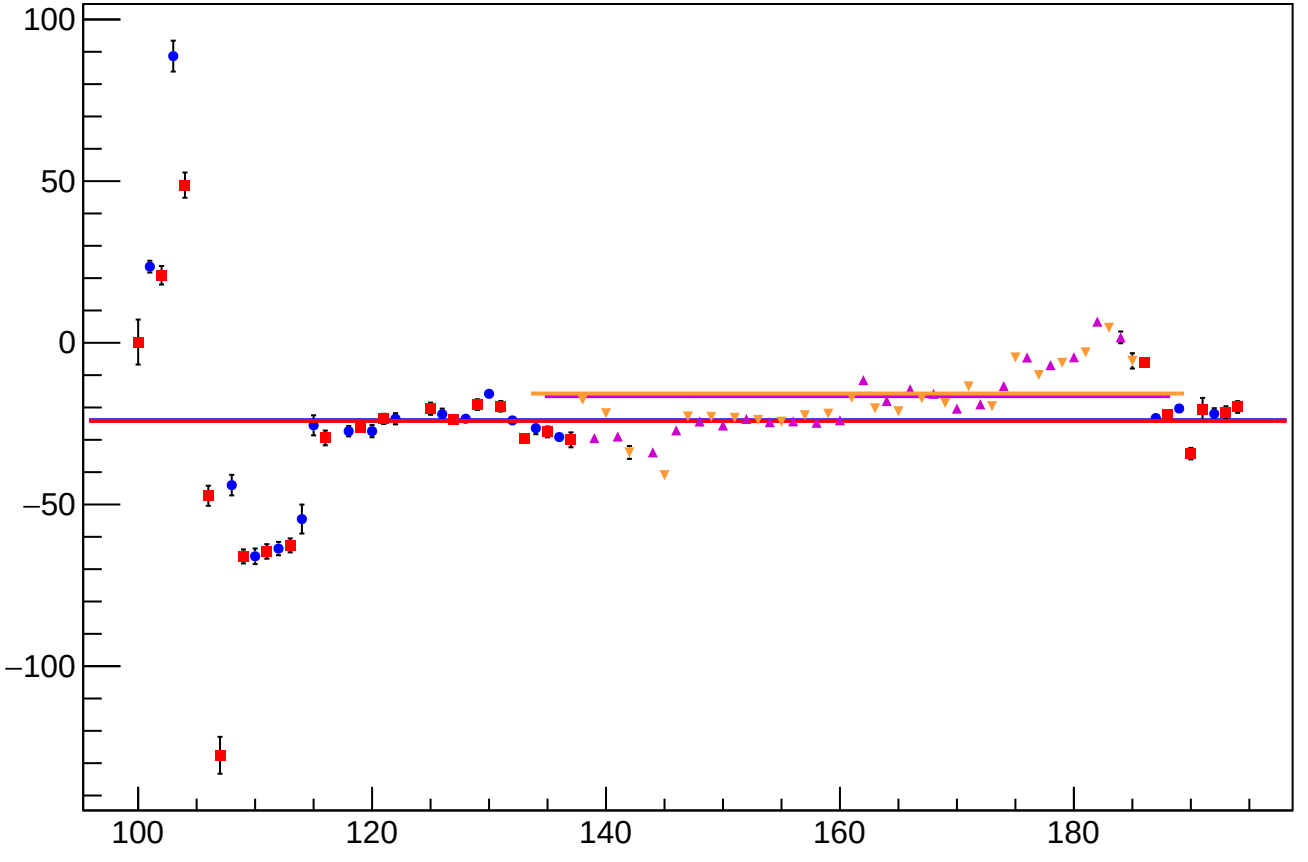
Right: -3.975+/-0.262 χ^2/NDF: 529.2/42

In: -2.225+/-0.181 χ^2/NDF:591.8/41

Out: -1.710+/-0.177 χ^2/NDF:568.2/47

All: -1.962+/-0.127 χ^2/NDF: 1164.2/89

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -23.945+/-0.393 χ^2/NDF: 2063.9/18

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -24.151+/-0.341 χ^2/NDF: 2432.0/23

Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

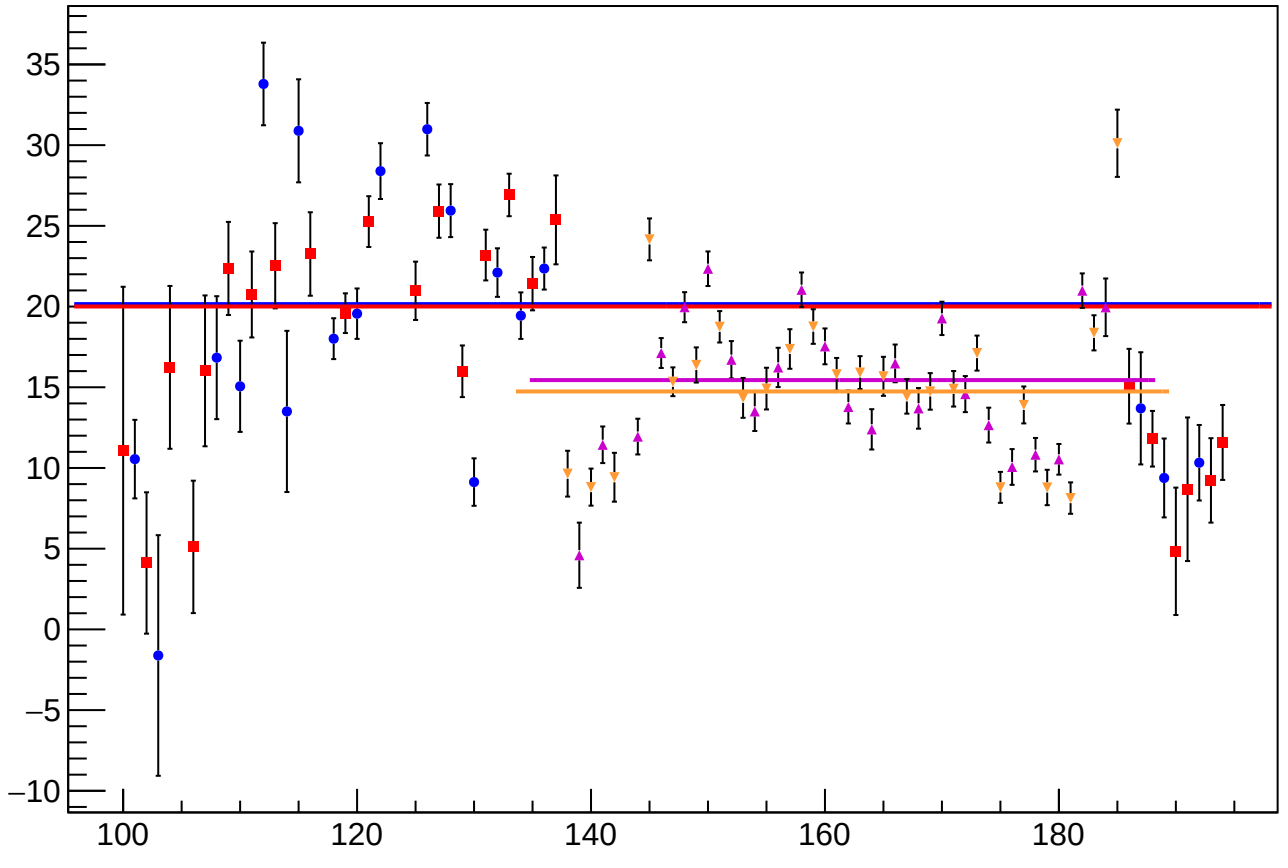
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -24.062+/-0.258 χ^2/NDF: 4496.1/42

In: -18.824+/-0.220 χ^2/NDF:4009.1/41

Out: -18.833+/-0.208 χ^2/NDF:4339.8/47

All: -18.829+/-0.151 χ^2/NDF: 8348.9/89



Right In: 20.151+/-0.439 χ^2/NDF: 253.7/18

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 20.004+/-0.433 χ^2/NDF: 177.1/23

Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

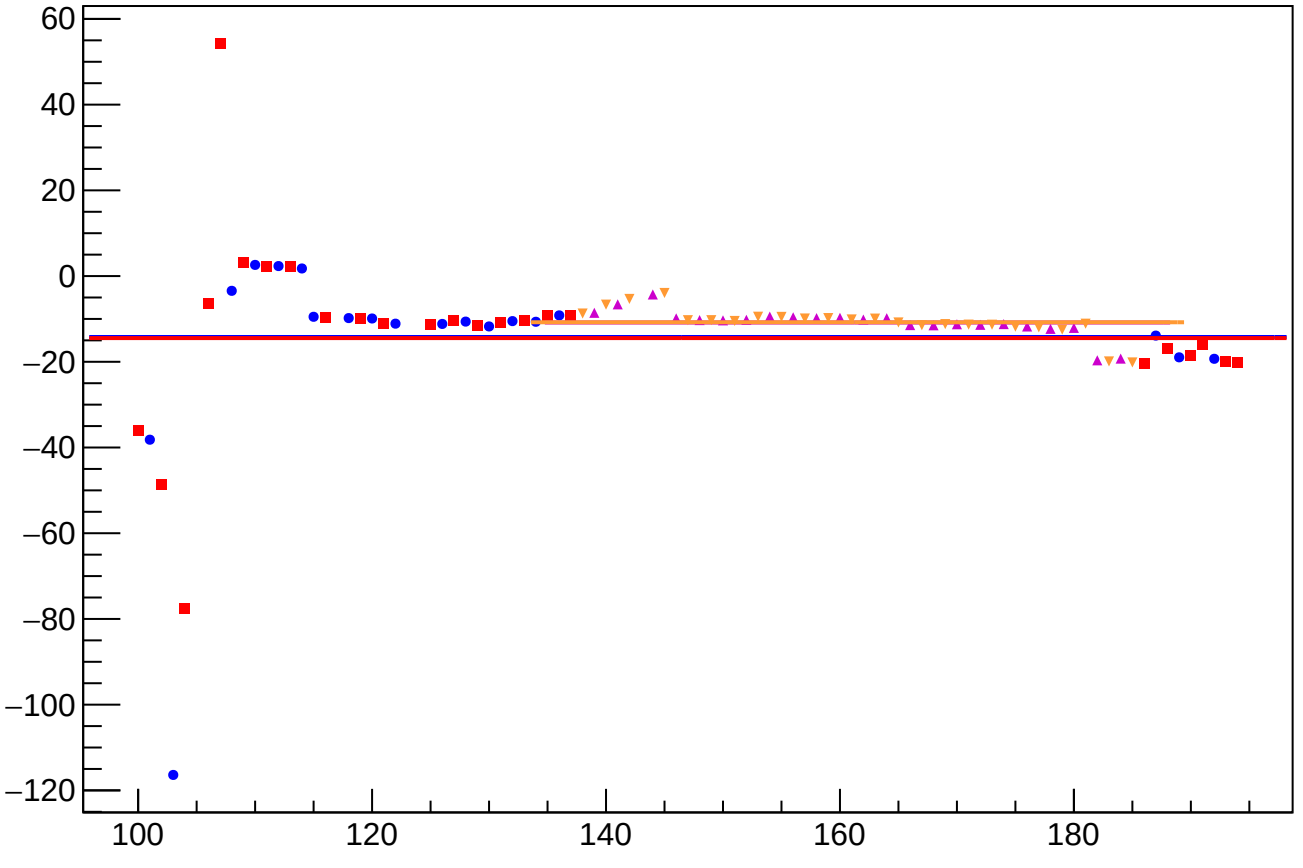
Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

Right: 20.077+/-0.308 χ^2/NDF: 430.8/42

In: 16.481+/-0.206 χ^2/NDF:633.9/41

Out: 15.895+/-0.203 χ^2/NDF:623.5/47

All: 16.183+/-0.144 χ^2/NDF: 1261.5/89



Right In: -14.216+/-0.025 χ^2/NDF: 353538.2/18

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -14.470+/-0.024 χ^2/NDF: 337653.2/23

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

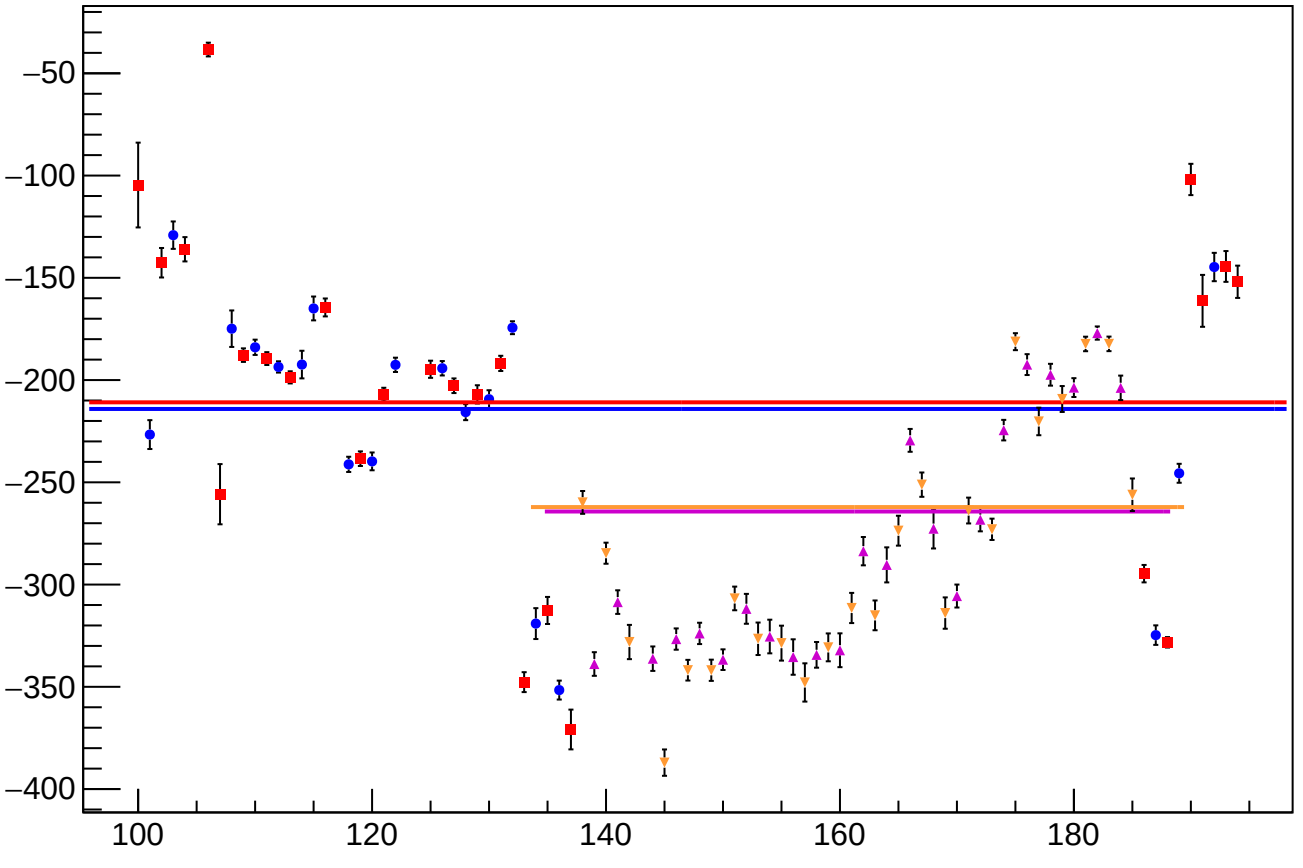
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -14.350+/-0.017 χ^2/NDF: 691244.0/42

In: -11.313+/-0.010 χ^2/NDF:442885.3/41

Out: -11.351+/-0.009 χ^2/NDF:442398.9/47

All: -11.332+/-0.007 χ^2/NDF: 885292.0/89



Right In: -214.127+/-1.005 χ^2/NDF: 2461.1/18

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -210.886+/-0.888 χ^2/NDF: 7390.8/23

Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

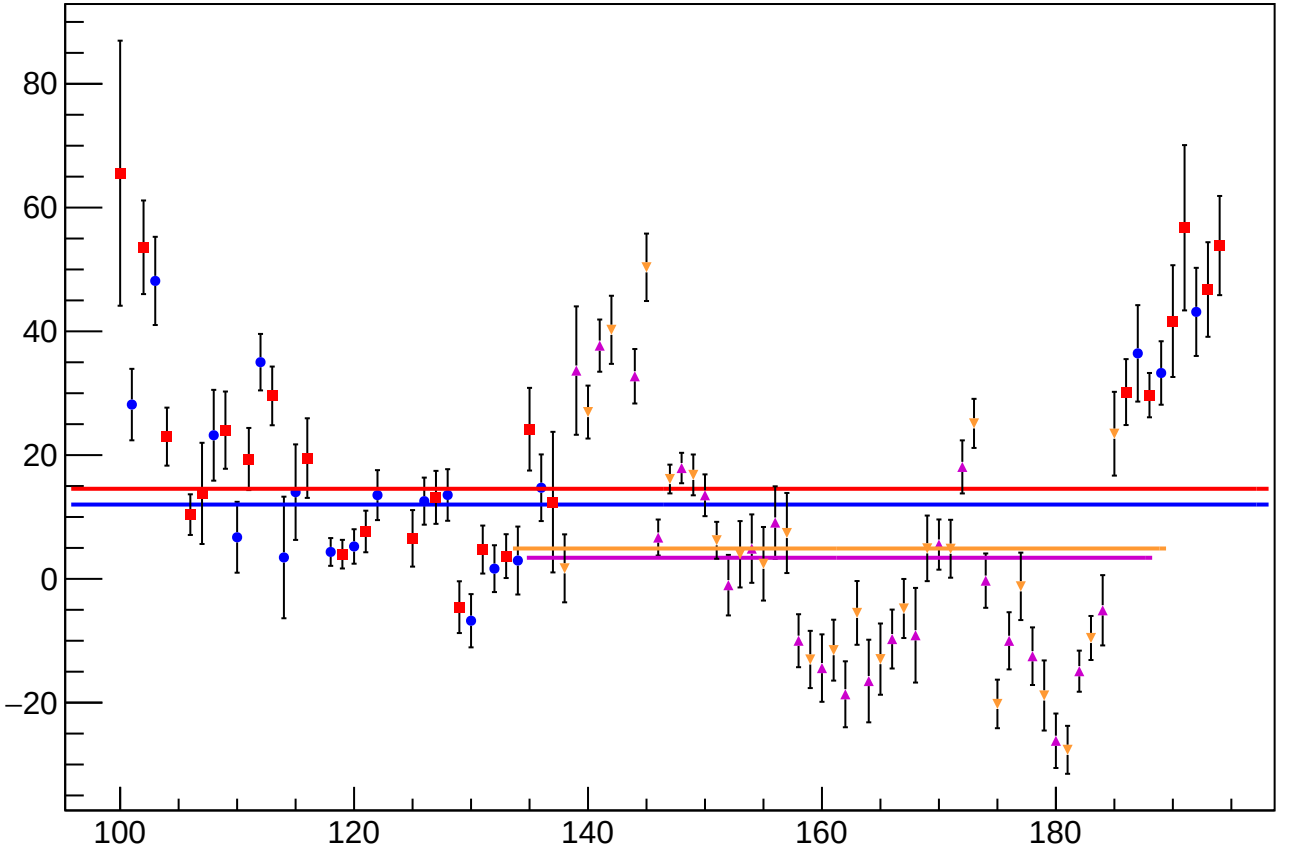
Right: -212.308+/-0.665 χ^2/NDF: 9857.7/42

In: -235.089+/-0.767 χ^2/NDF:6244.0/41

Out: -229.425+/-0.709 χ^2/NDF:11559.2/47

All: -232.038+/-0.521 χ^2/NDF: 17832.6/89

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.009+/-1.023 χ^2/NDF: 156.5/18

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 14.558+/-0.961 χ^2/NDF: 205.4/23

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

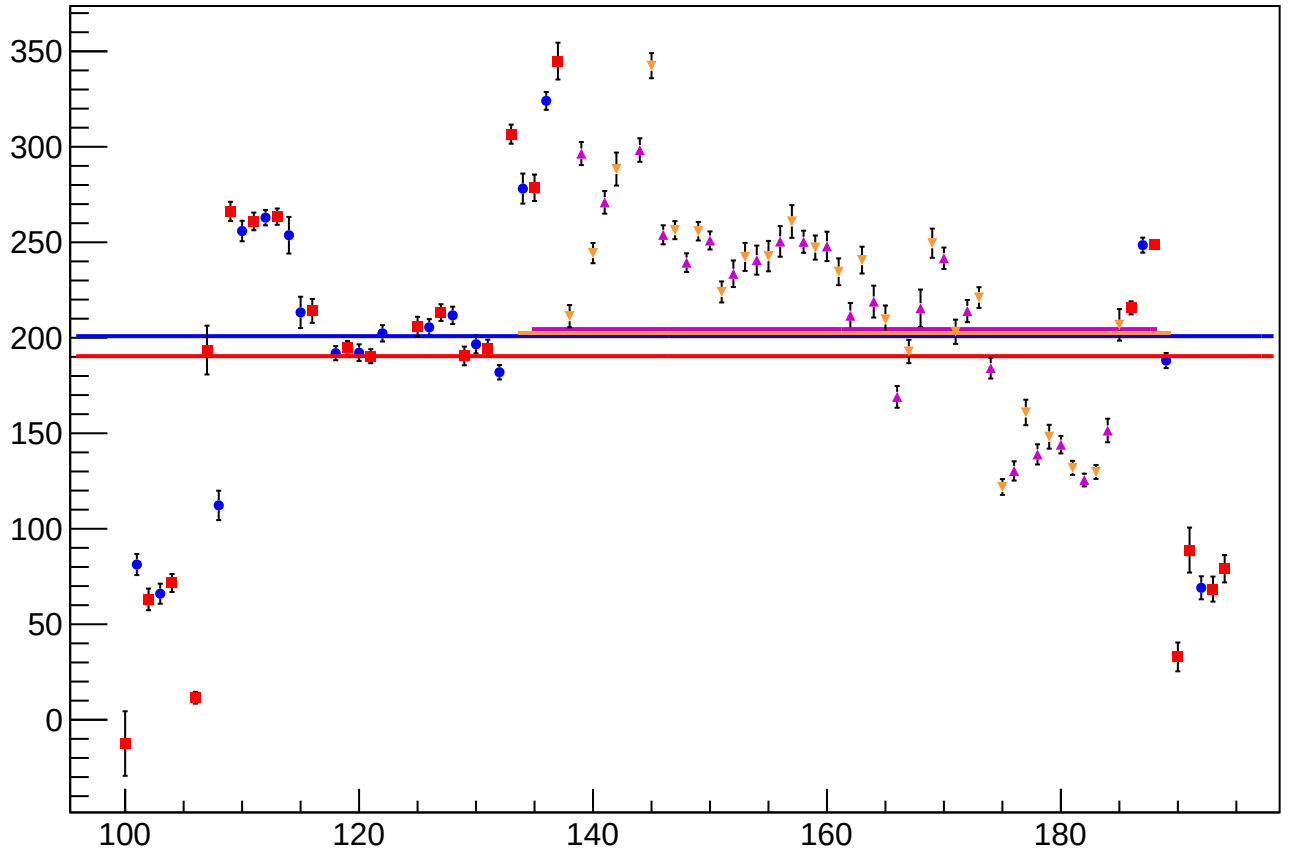
Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

Right: 13.363+/-0.701 χ^2/NDF: 365.1/42

In: 7.164+/-0.676 χ^2/NDF:529.6/41

Out: 9.342+/-0.652 χ^2/NDF:658.8/47

All: 8.293+/-0.469 χ^2/NDF: 1193.7/89



Right In: 200.851+/-1.103 χ^2/NDF: 3102.9/18

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 190.392+/-0.931 χ^2/NDF: 8372.3/23

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

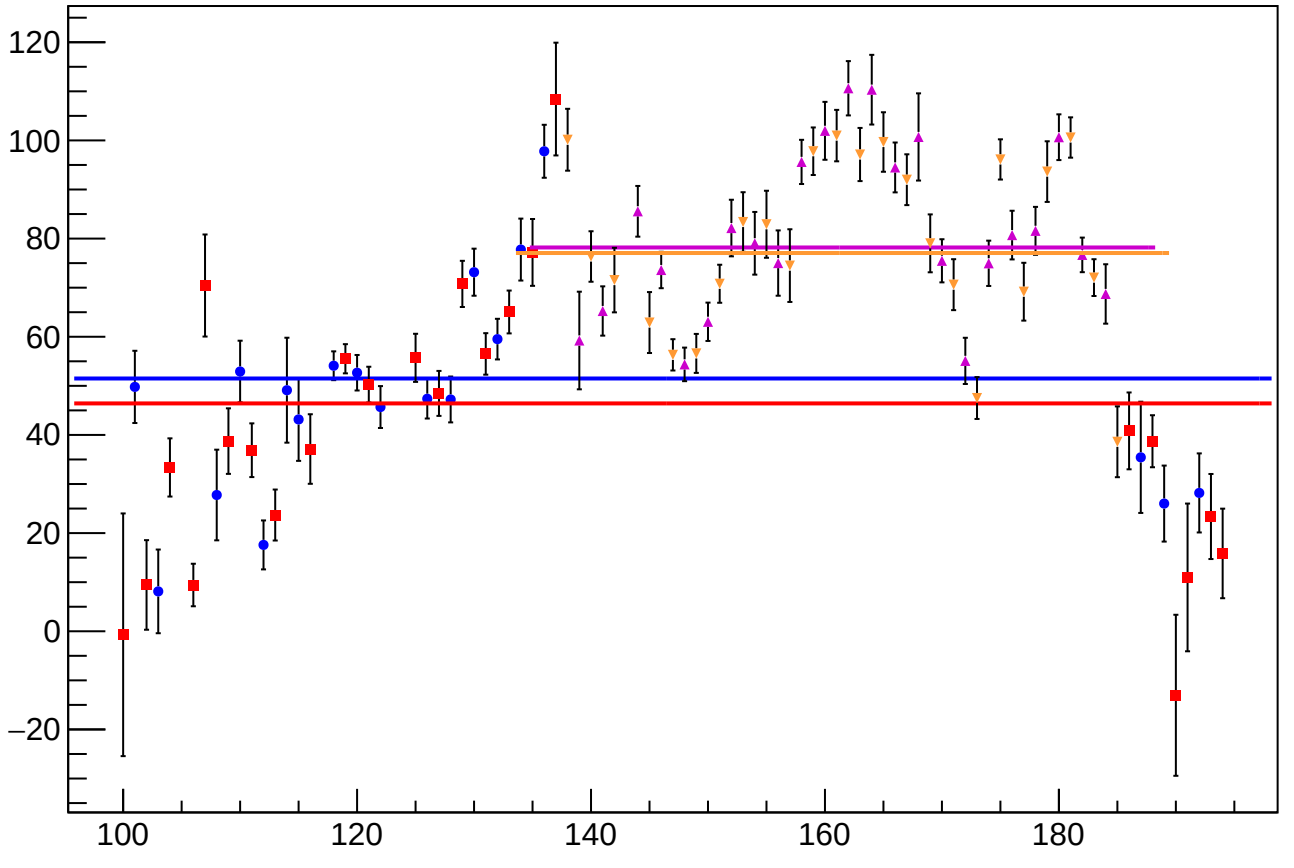
Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

Right: 194.743+/-0.711 χ^2/NDF: 11527.8/42

In: 202.585+/-0.805 χ^2/NDF:5393.9/41

Out: 195.076+/-0.729 χ^2/NDF:10831.3/47

All: 198.461+/-0.540 χ^2/NDF: 16273.0/89



Right In: 51.497+/-1.205 χ^2/NDF: 220.8/18

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 46.420+/-1.144 χ^2/NDF: 282.6/23

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

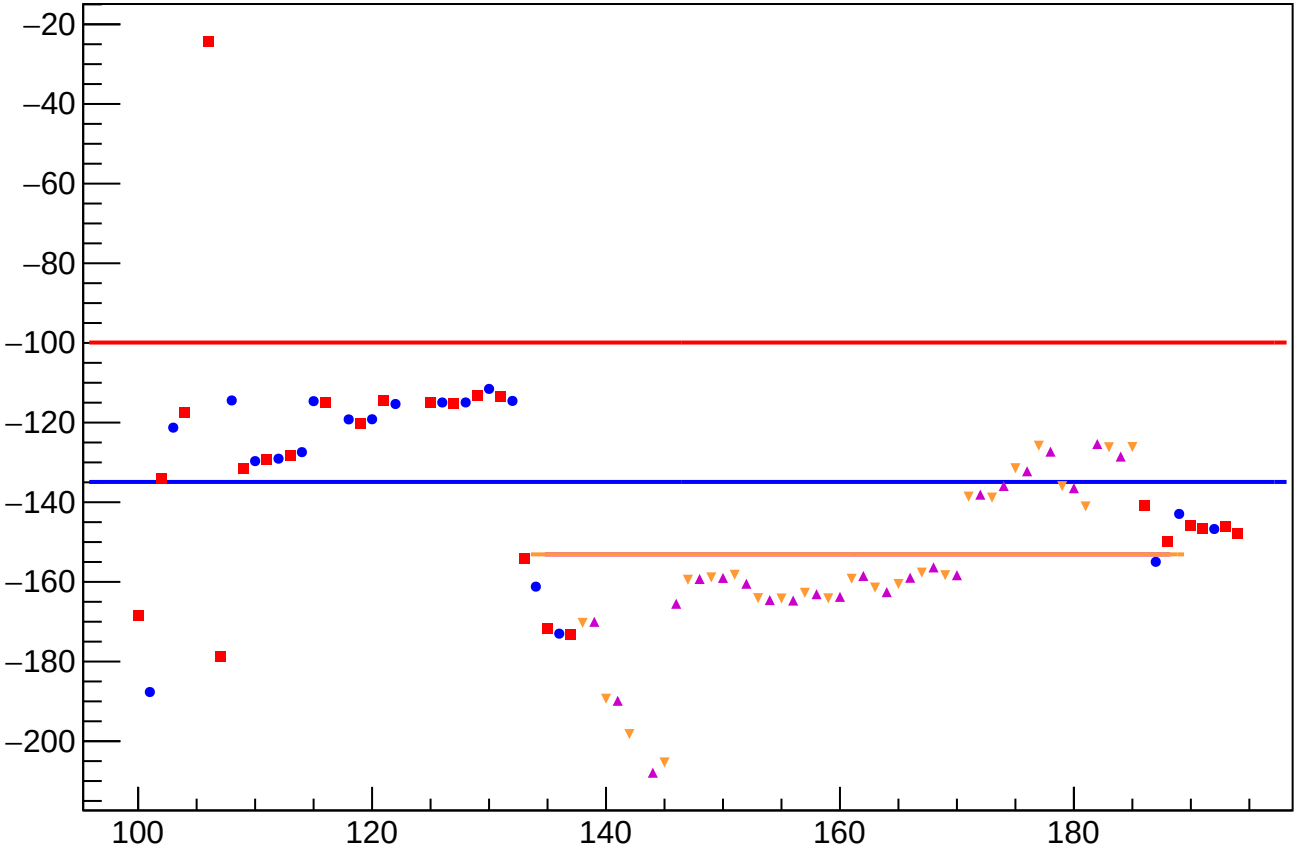
Right: 48.828+/-0.830 χ^2/NDF: 512.7/42

In: 66.976+/-0.781 χ^2/NDF:737.9/41

Out: 63.566+/-0.759 χ^2/NDF:995.0/47

All: 65.224+/-0.544 χ^2/NDF: 1742.7/89

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -134.903+/-0.075 χ^2/NDF: 97922.0/18

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -99.901+/-0.058 χ^2/NDF: 882453.4/23

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

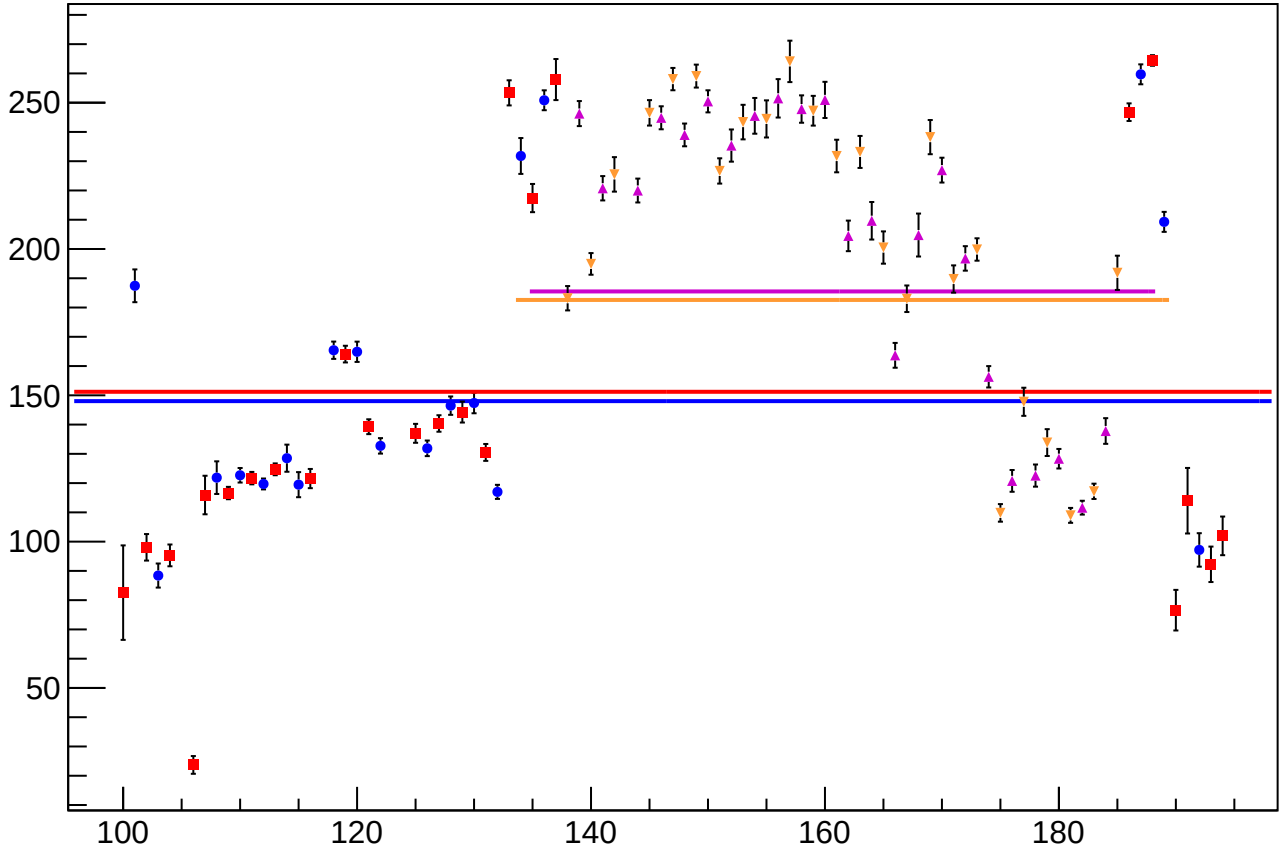
Right: -112.998+/-0.046 χ^2/NDF: 1117252.9/42

In: -148.013+/-0.040 χ^2/NDF:307161.4/41

Out: -131.995+/-0.036 χ^2/NDF:1569715.1/47

All: -139.345+/-0.027 χ^2/NDF: 1965513.5/89

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 148.013+/-0.740 χ^2/NDF: 3550.3/18

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 151.206+/-0.652 χ^2/NDF: 9211.0/23

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

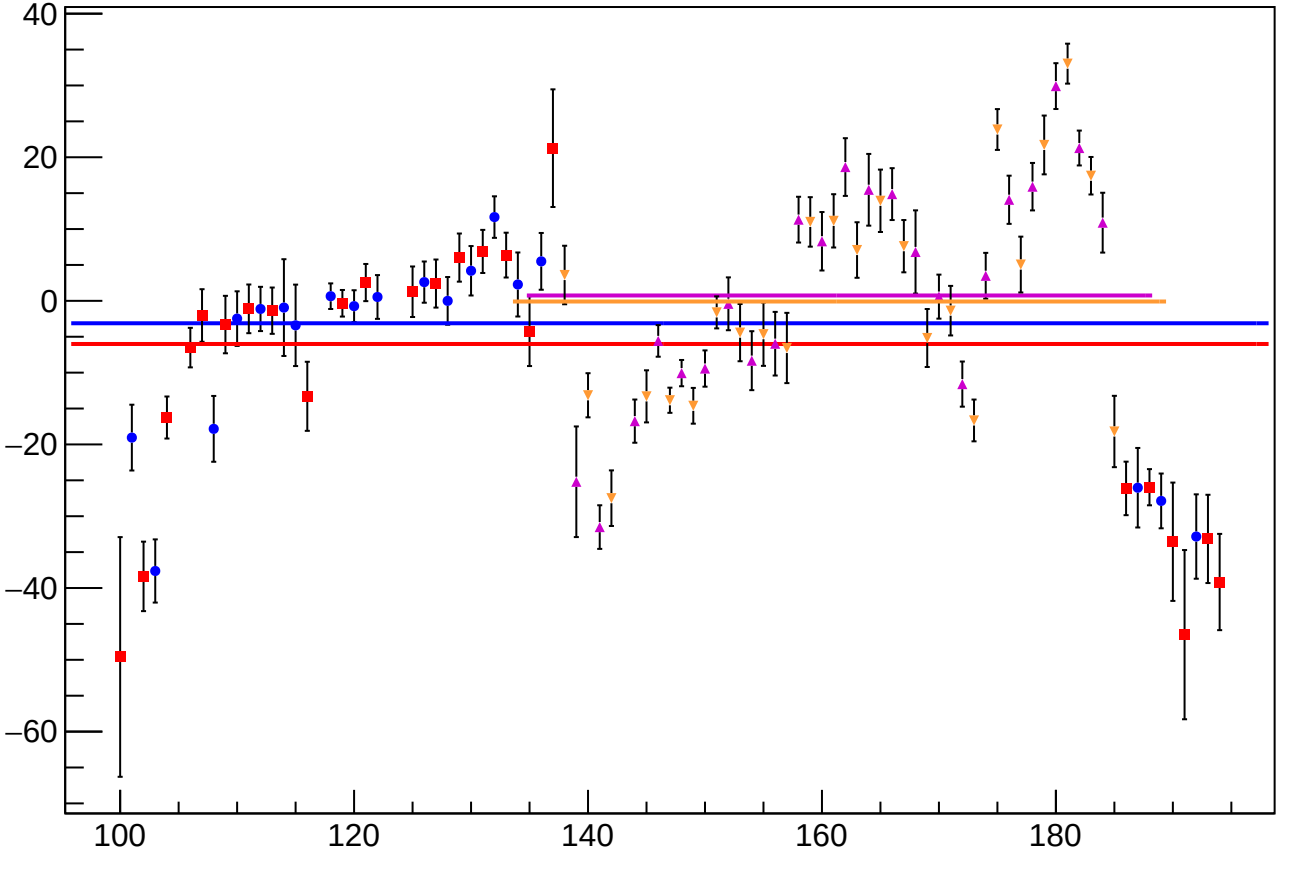
Right: 149.809+/-0.489 χ^2/NDF: 12771.7/42

In: 163.693+/-0.564 χ^2/NDF:8446.4/41

Out: 162.570+/-0.521 χ^2/NDF:14201.3/47

All: 163.087+/-0.383 χ^2/NDF: 22649.8/89

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.123+/-0.776 χ^2/NDF: 217.9/18

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -6.010+/-0.720 χ^2/NDF: 319.9/23

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

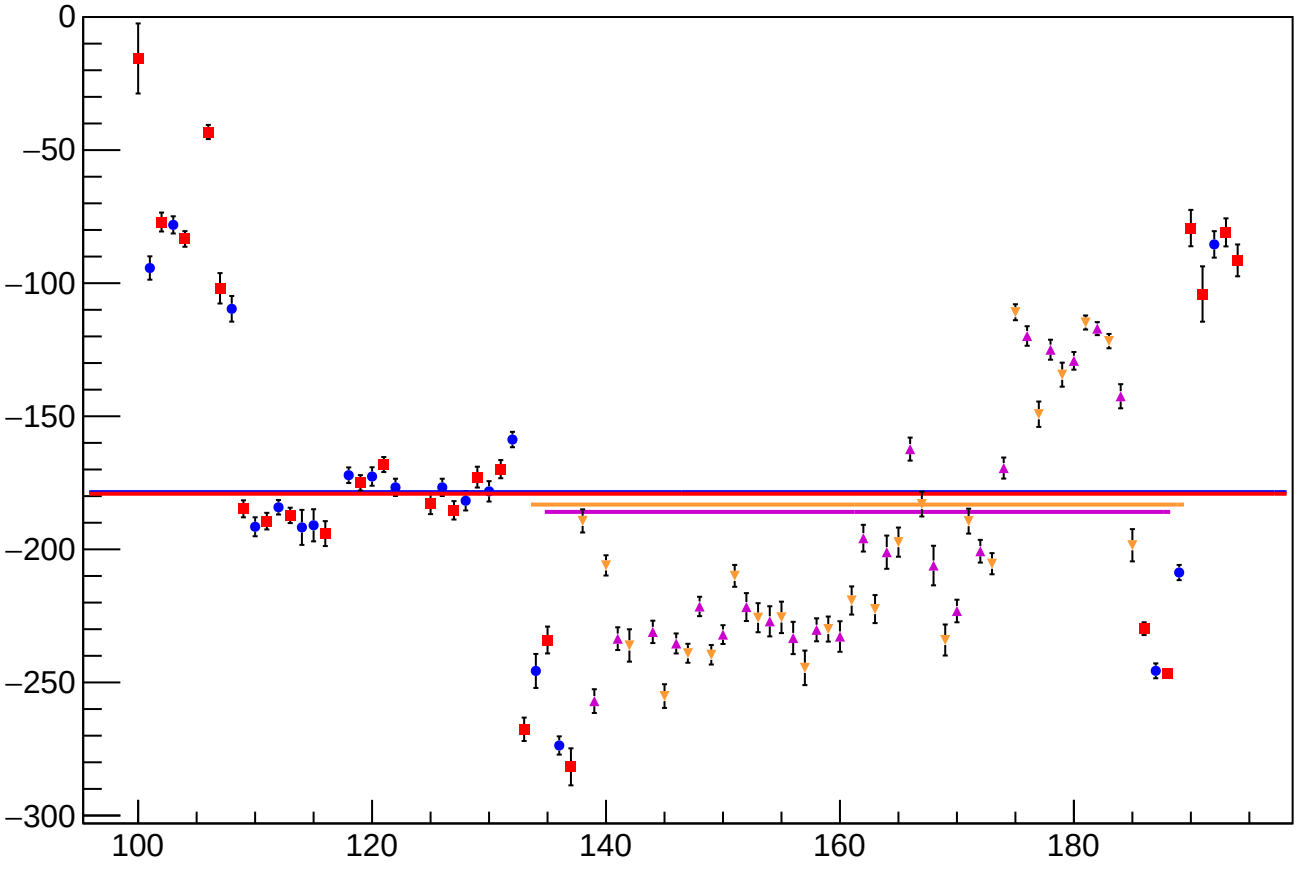
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -4.674+/-0.528 χ^2/NDF: 545.2/42

In: -0.893+/-0.505 χ^2/NDF:730.1/41

Out: -2.770+/-0.484 χ^2/NDF:912.1/47

All: -1.871+/-0.350 χ^2/NDF: 1649.4/89



Right In: -178.501+/-0.815 χ^2/NDF: 3539.9/18

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -179.103+/-0.685 χ^2/NDF: 9049.7/23

Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

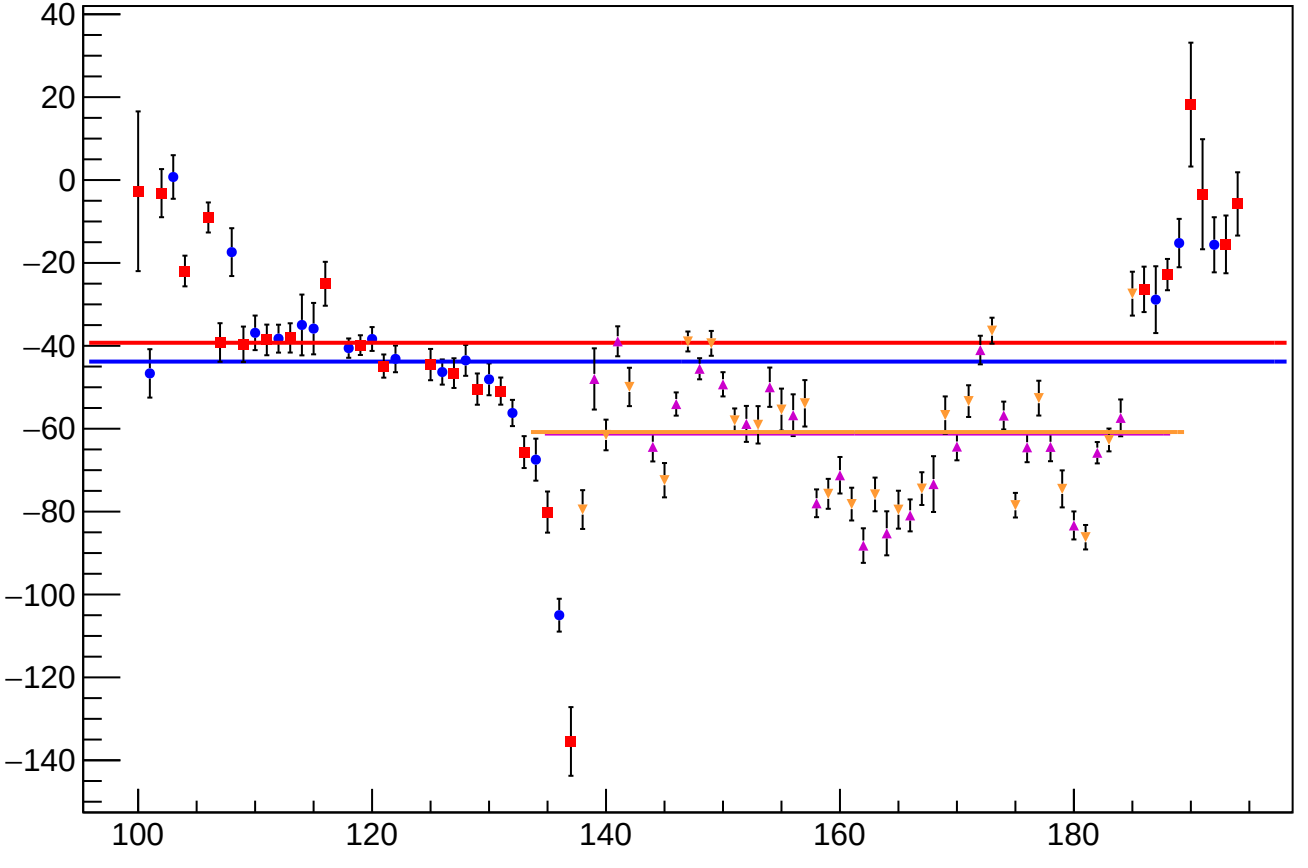
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -178.854+/-0.524 χ^2/NDF: 12589.9/42

In: -181.987+/-0.594 χ^2/NDF:6760.5/41

Out: -180.678+/-0.536 χ^2/NDF:12424.5/47

All: -181.266+/-0.398 χ^2/NDF: 19187.7/89



Right In: -43.803+/-0.911 χ^2/NDF: 430.0/18

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -39.263+/-0.857 χ^2/NDF: 499.7/23

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

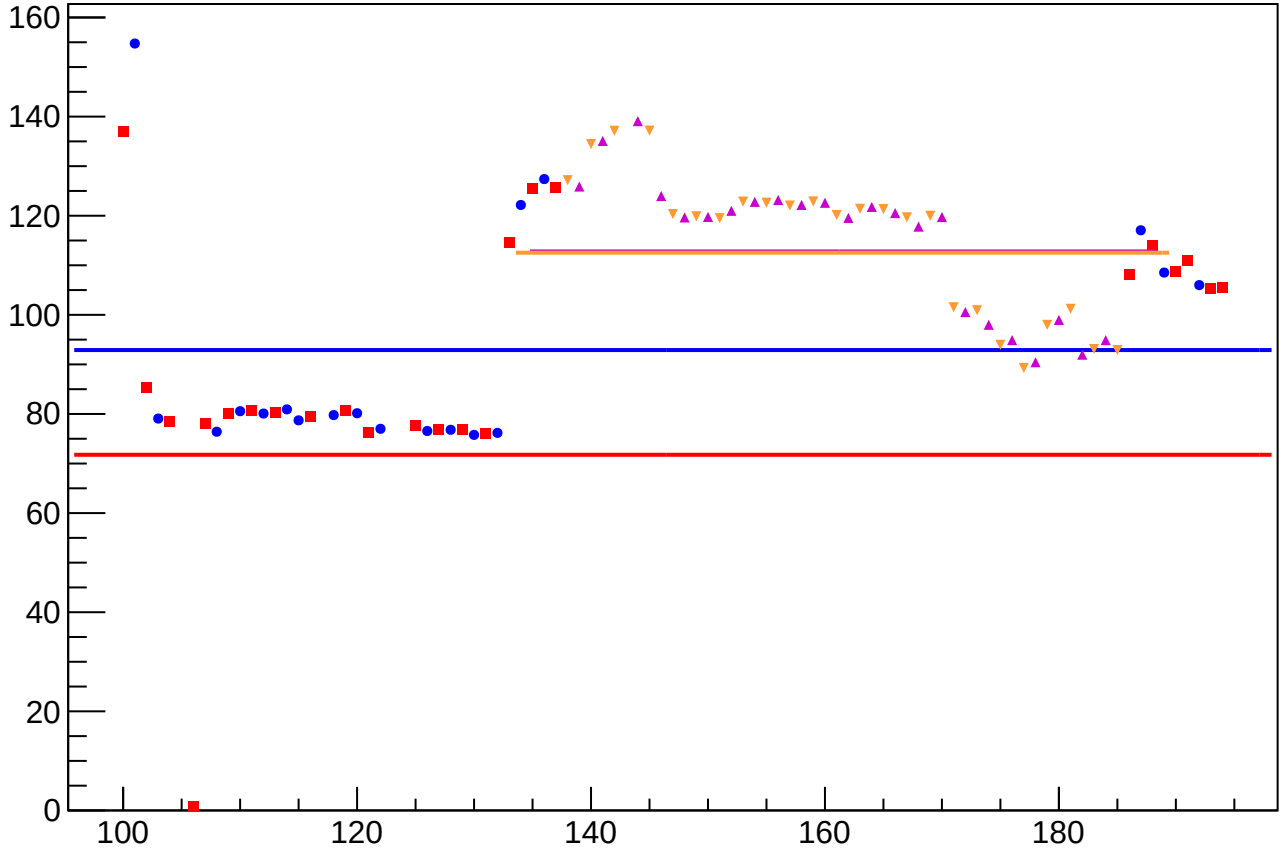
Right: -41.395+/-0.624 χ^2/NDF: 942.9/42

In: -54.080+/-0.582 χ^2/NDF:962.0/41

Out: -51.478+/-0.564 χ^2/NDF:1331.7/47

All: -52.738+/-0.405 χ^2/NDF: 2304.0/89

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 92.896+/-0.055 χ^2/NDF: 172728.8/18

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 71.766+/-0.045 χ^2/NDF: 804199.9/23

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

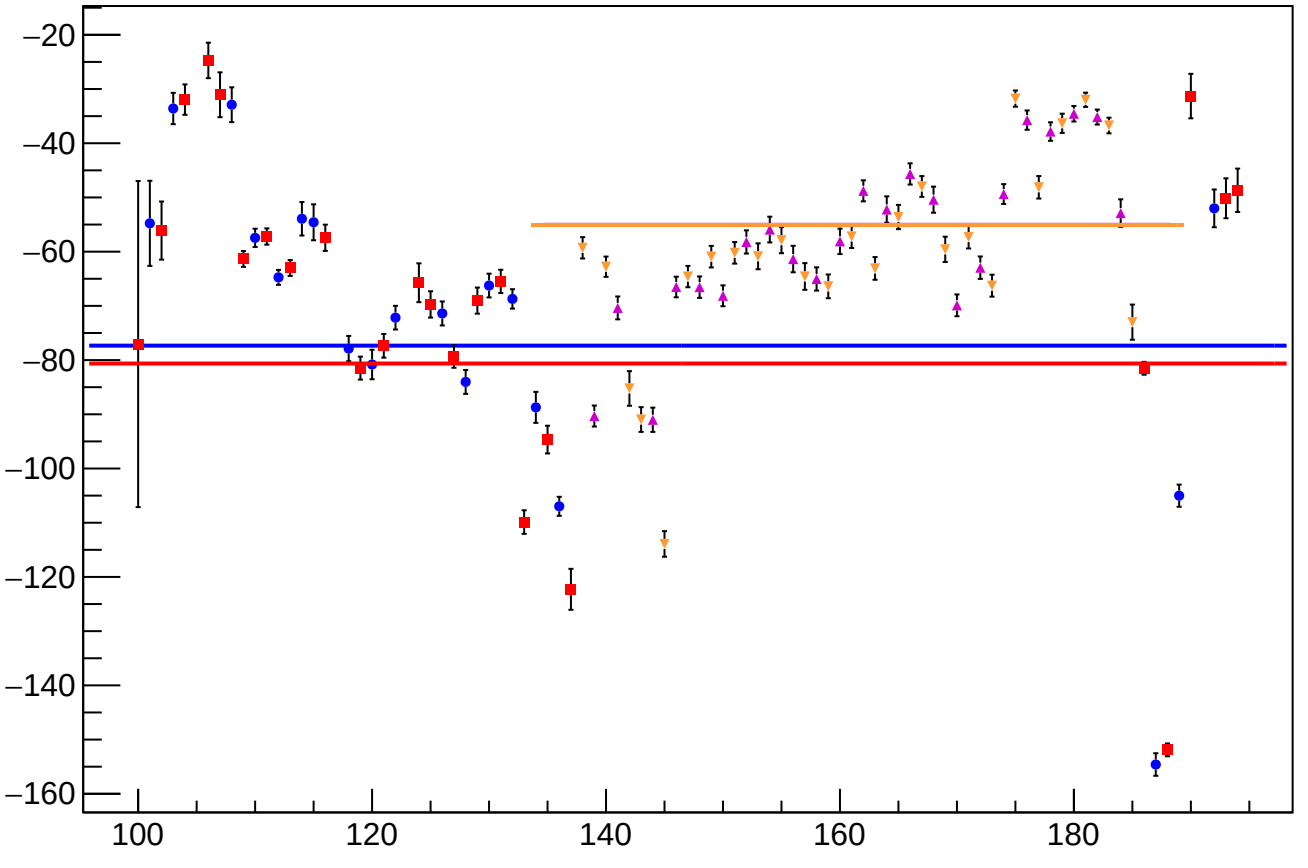
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

Right: 80.257+/-0.035 χ^2/NDF: 1066103.6/42

In: 107.151+/-0.029 χ^2/NDF:439103.9/41

Out: 97.338+/-0.027 χ^2/NDF:1496936.4/47

All: 101.940+/-0.020 χ^2/NDF: 1996247.5/89



Right In: -77.335+/-0.515 χ^2/NDF: 2744.7/18

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -80.635+/-0.437 χ^2/NDF: 5784.6/23

Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

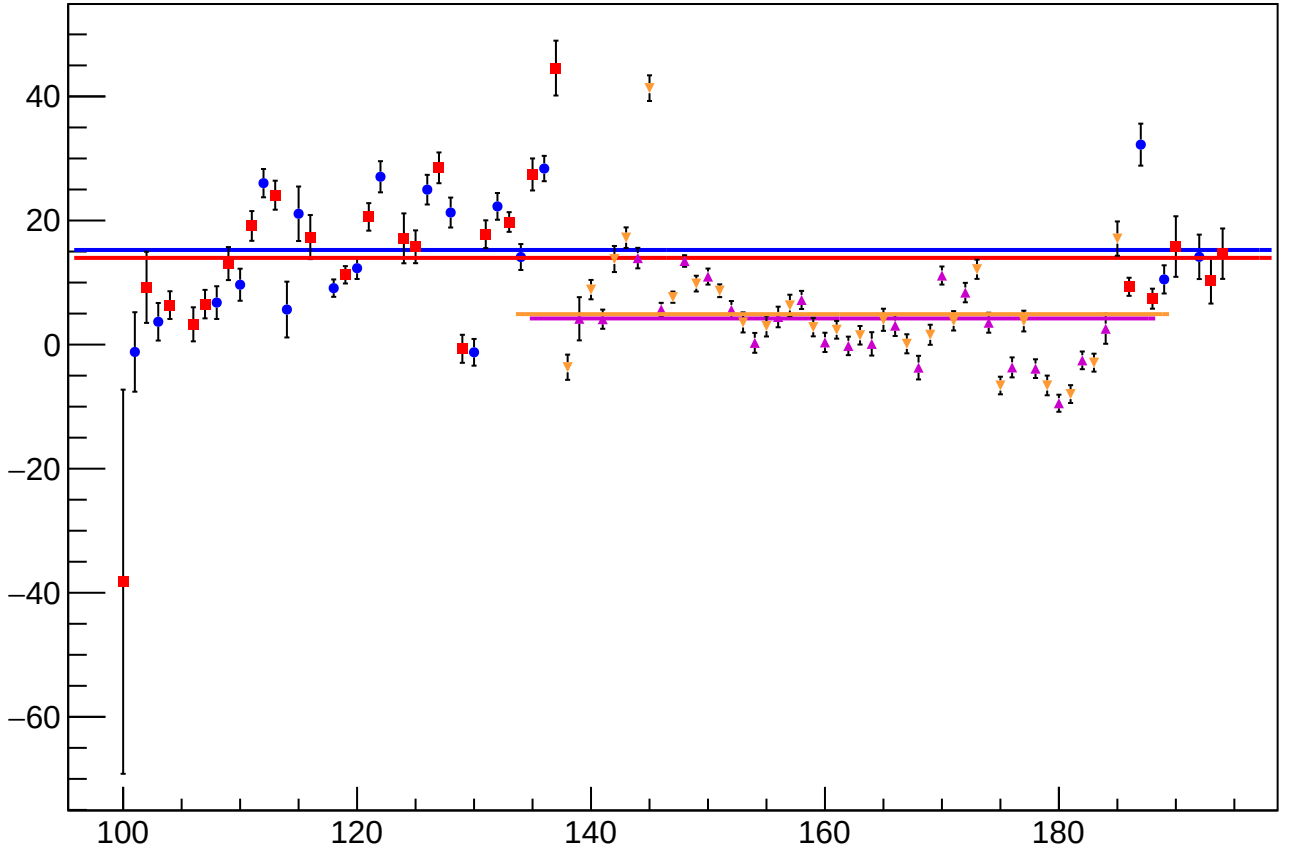
Right: -79.254+/-0.333 χ^2/NDF: 8553.2/42

In: -63.703+/-0.321 χ^2/NDF:5431.1/41

Out: -66.740+/-0.295 χ^2/NDF:9645.4/48

All: -65.348+/-0.217 χ^2/NDF: 15125.0/90

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 15.253+/-0.549 χ^2/NDF: 272.1/18

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 13.976+/-0.486 χ^2/NDF: 274.6/23

Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

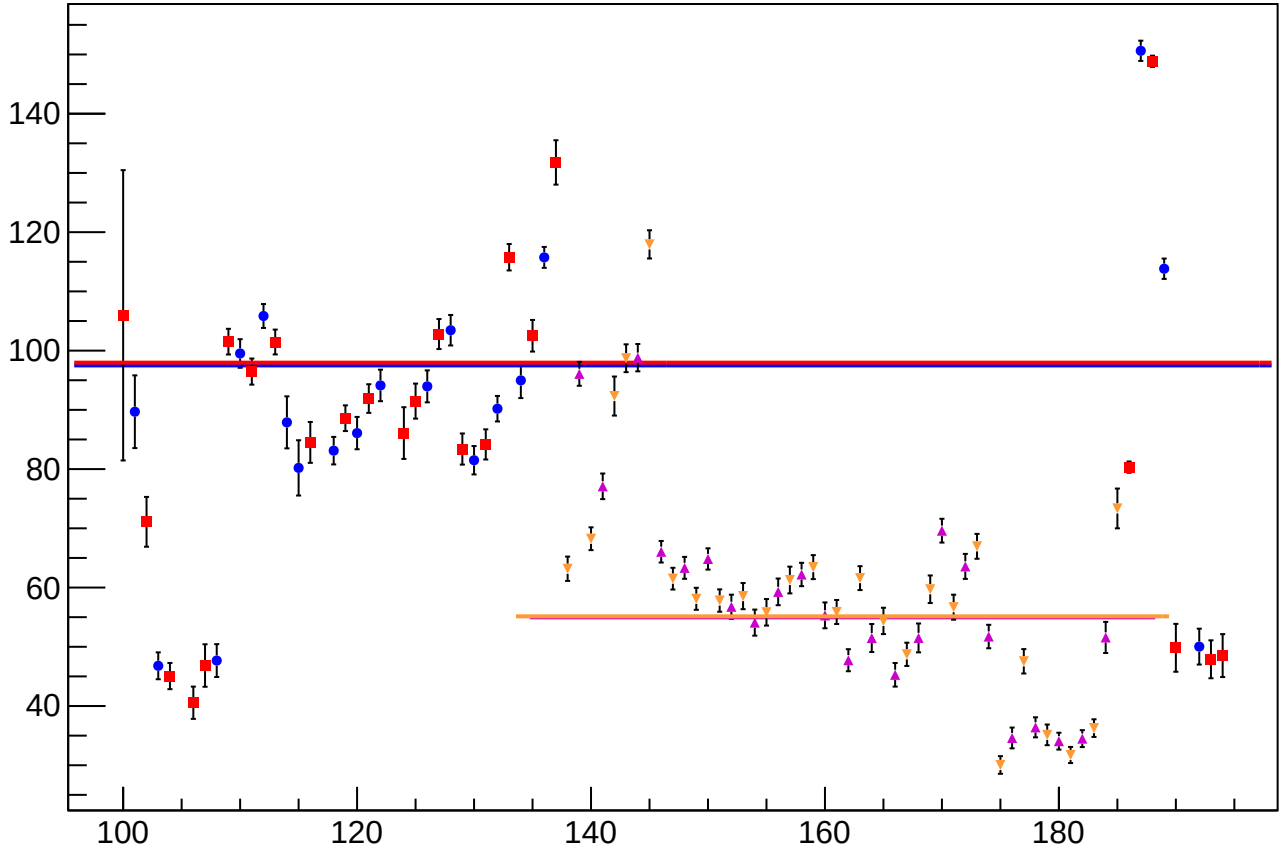
Right: 14.537+/-0.364 χ^2/NDF: 549.8/42

In: 6.917+/-0.271 χ^2/NDF:992.9/41

Out: 7.430+/-0.256 χ^2/NDF:1267.6/48

All: 7.189+/-0.186 χ^2/NDF: 2262.4/90

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 97.506+/-0.557 χ^2/NDF: 2389.2/18

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 97.970+/-0.443 χ^2/NDF: 5326.1/23

Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

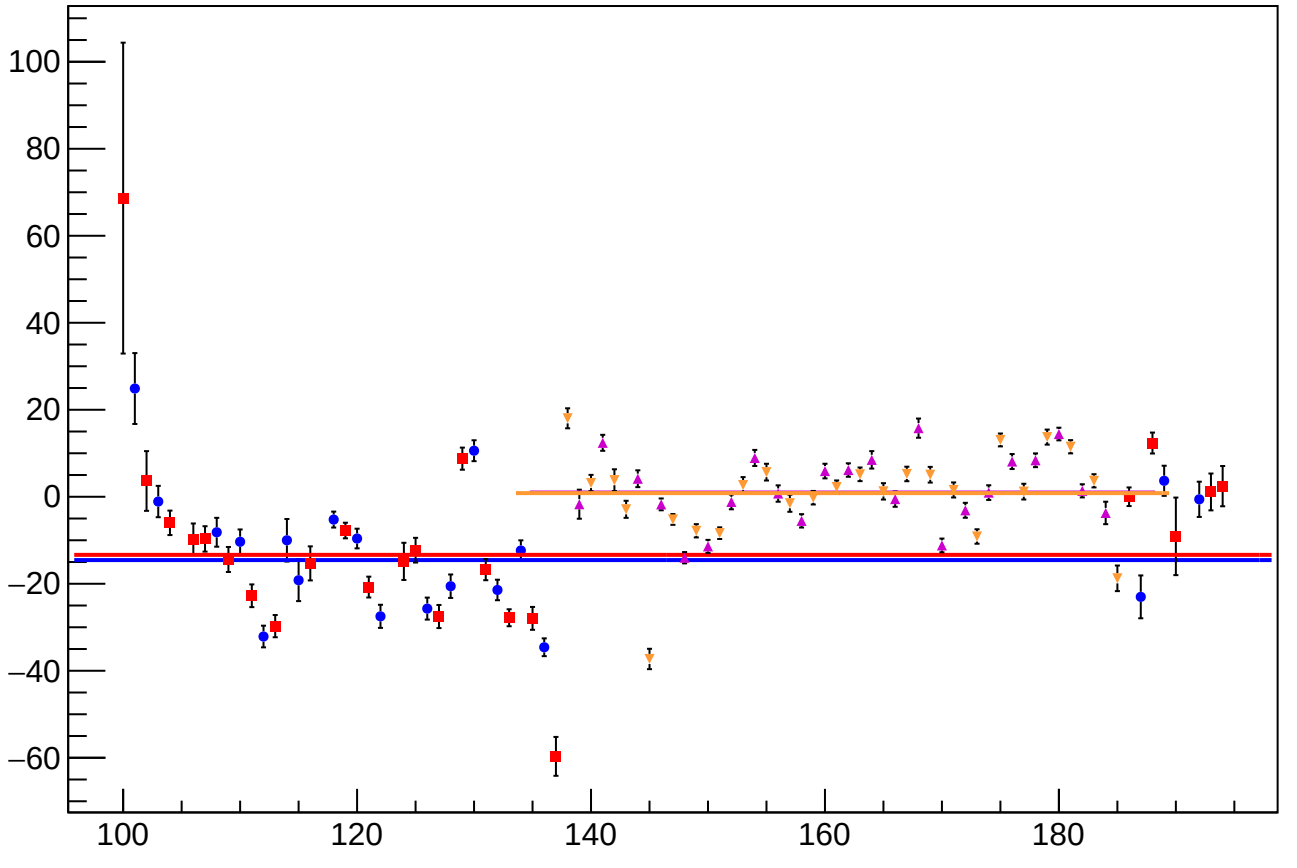
Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

Right: 97.790+/-0.347 χ^2/NDF: 7715.7/42

In: 69.717+/-0.328 χ^2/NDF:7982.3/41

Out: 74.198+/-0.296 χ^2/NDF:12749.0/48

All: 72.188+/-0.220 χ^2/NDF: 20834.3/90



Right In: -14.557+/-0.640 χ^2/NDF: 430.9/18

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -13.356+/-0.585 χ^2/NDF: 570.9/23

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

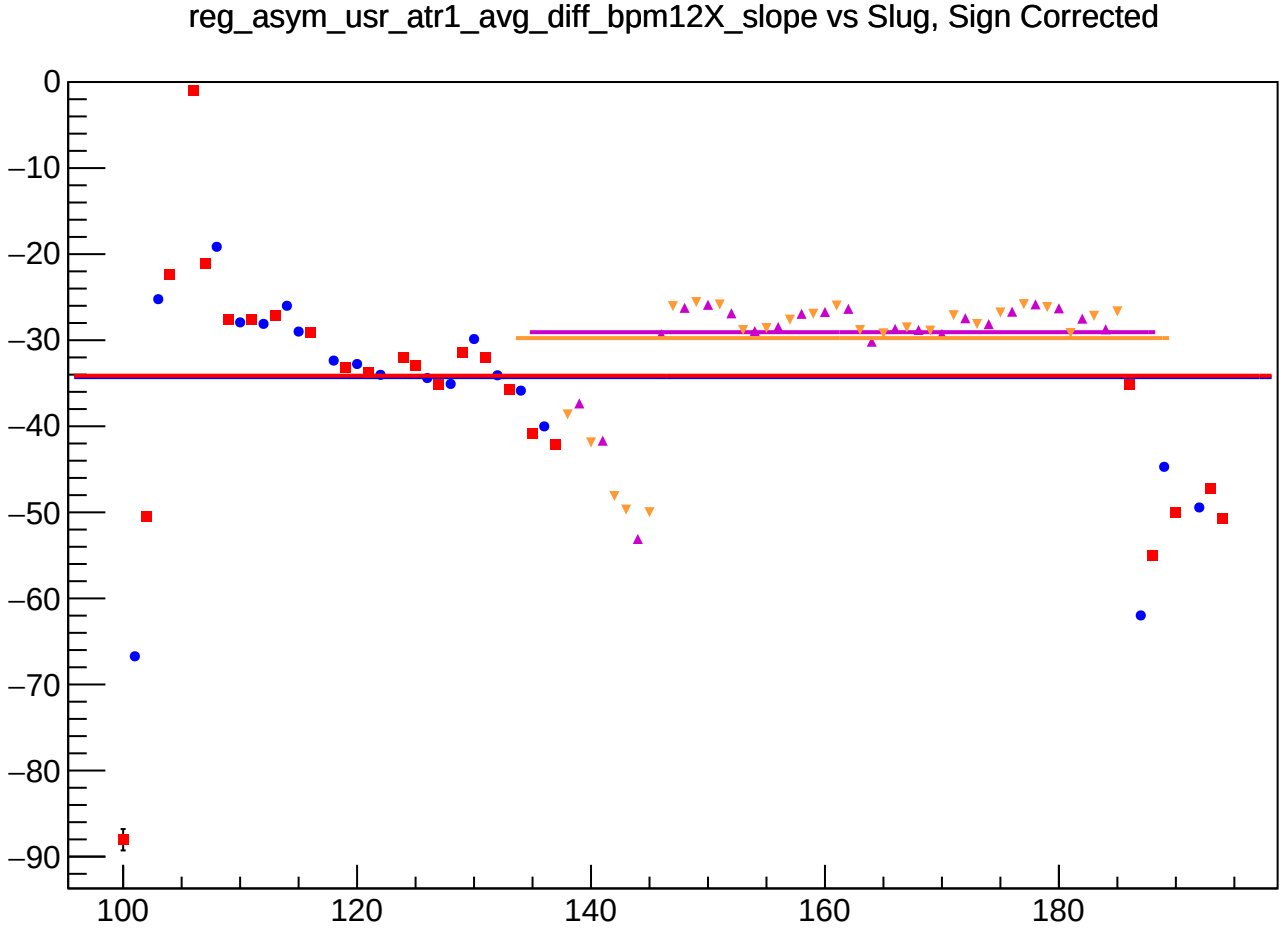
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -13.903+/-0.432 χ^2/NDF: 1003.7/42

In: -2.652+/-0.309 χ^2/NDF:1441.5/41

Out: -2.788+/-0.296 χ^2/NDF:1726.2/48

All: -2.723+/-0.214 χ^2/NDF: 3167.7/90



Right In: -34.290+/-0.036 χ^2/NDF: 72811.8/18

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -34.123+/-0.033 χ^2/NDF: 168625.9/23

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

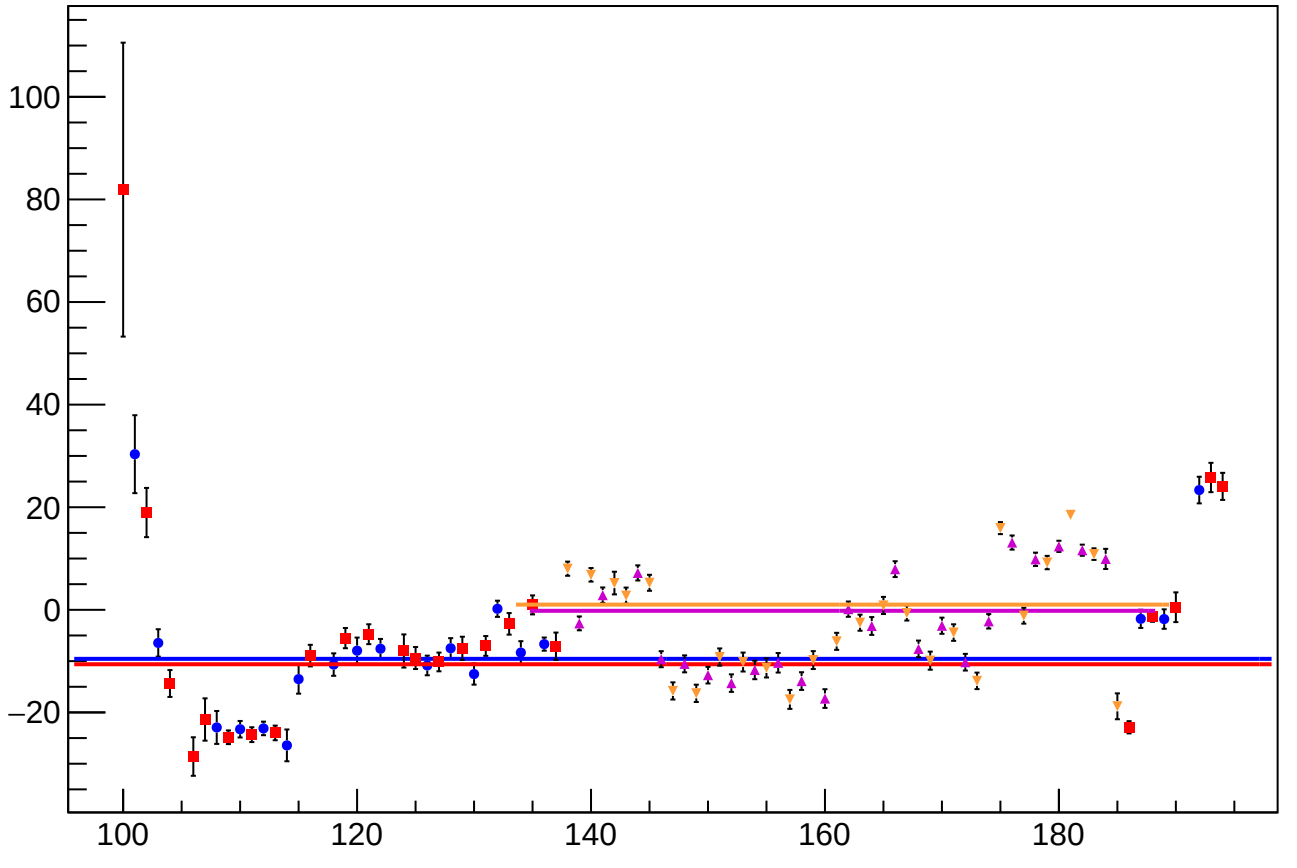
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -34.201+/-0.024 χ^2/NDF: 241449.5/42

In: -29.927+/-0.014 χ^2/NDF:192367.2/41

Out: -30.545+/-0.014 χ^2/NDF:346423.0/48

All: -30.243+/-0.010 χ^2/NDF: 539726.2/90



Right In: -9.556+/-0.457 χ^2/NDF: 501.3/18

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -10.611+/-0.396 χ^2/NDF: 989.1/23

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

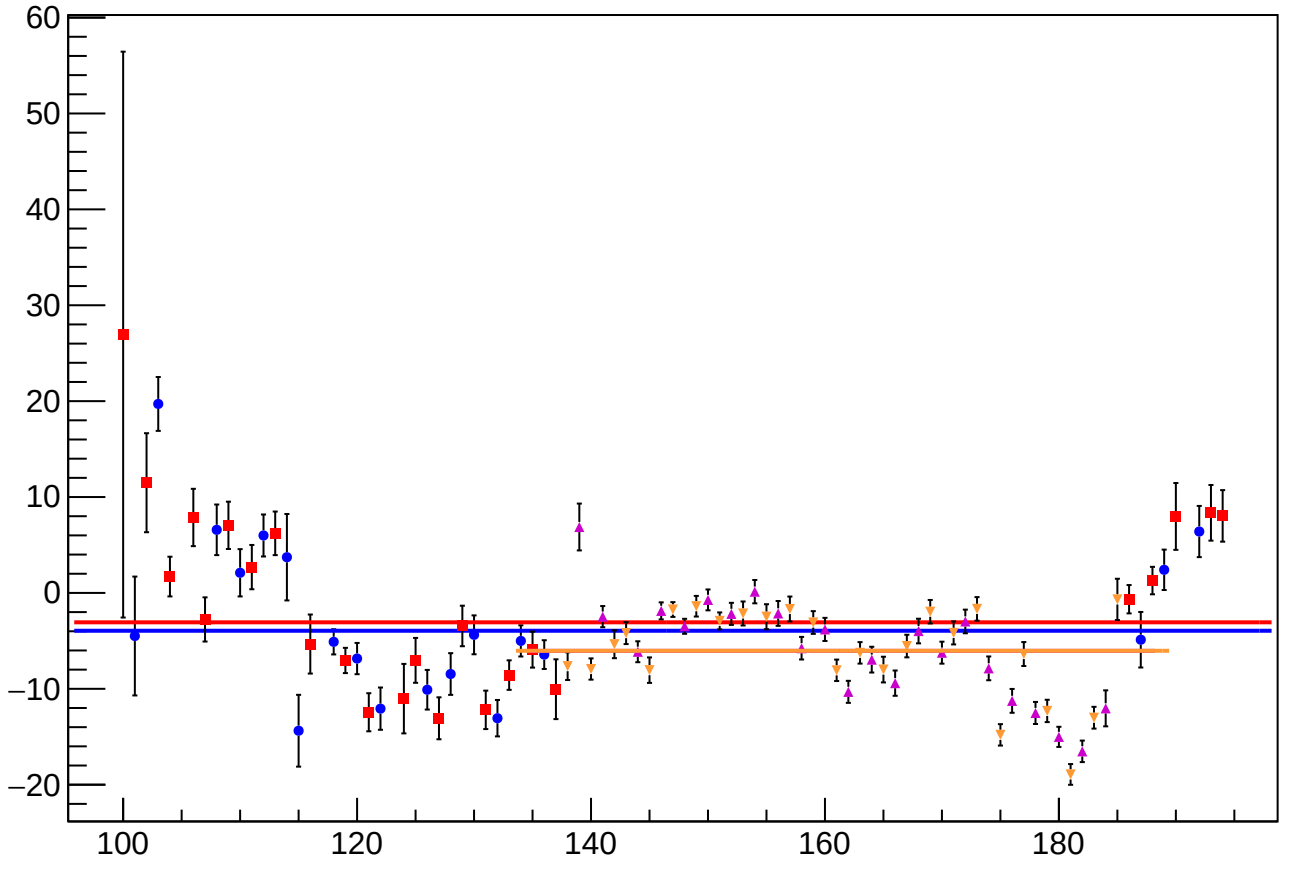
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

Right: -10.159+/-0.299 χ^2/NDF: 1493.5/42

In: -3.206+/-0.259 χ^2/NDF:1769.4/41

Out: -3.316+/-0.241 χ^2/NDF:2866.4/48

All: -3.265+/-0.177 χ^2/NDF: 4635.9/90



Right In: -3.945+/-0.486 χ^2/NDF: 205.3/18

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -3.066+/-0.443 χ^2/NDF: 223.3/23

Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

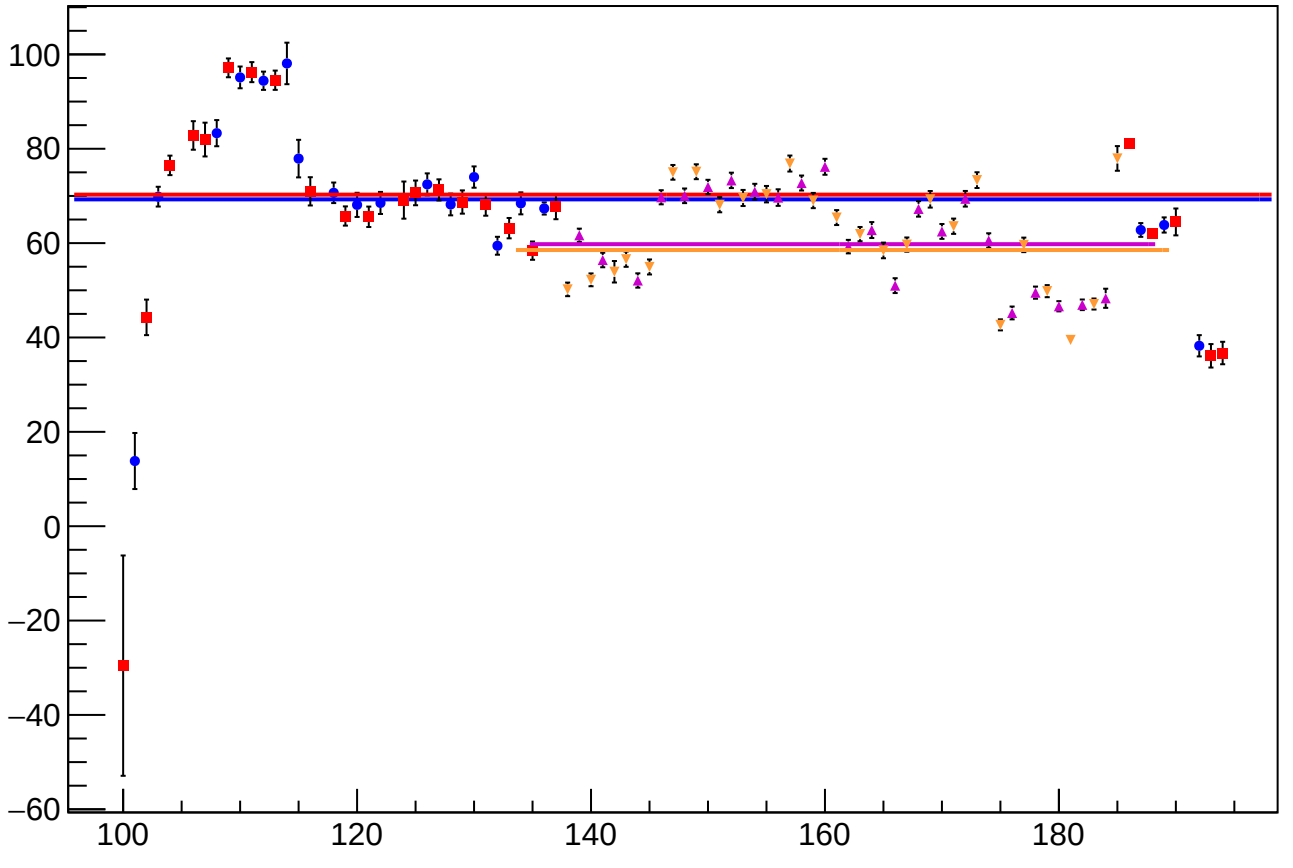
Left: -6.039+/-0.168 χ^2/NDF: 811.1/47

Right: -3.465+/-0.328 χ^2/NDF: 430.4/42

In: -5.625+/-0.217 χ^2/NDF:616.4/41

Out: -5.391+/-0.206 χ^2/NDF:673.4/48

All: -5.502+/-0.150 χ^2/NDF: 1290.4/90



Right In: 69.272+/-0.489 χ^2/NDF: 711.4/18

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 70.276+/-0.401 χ^2/NDF: 1252.5/23

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

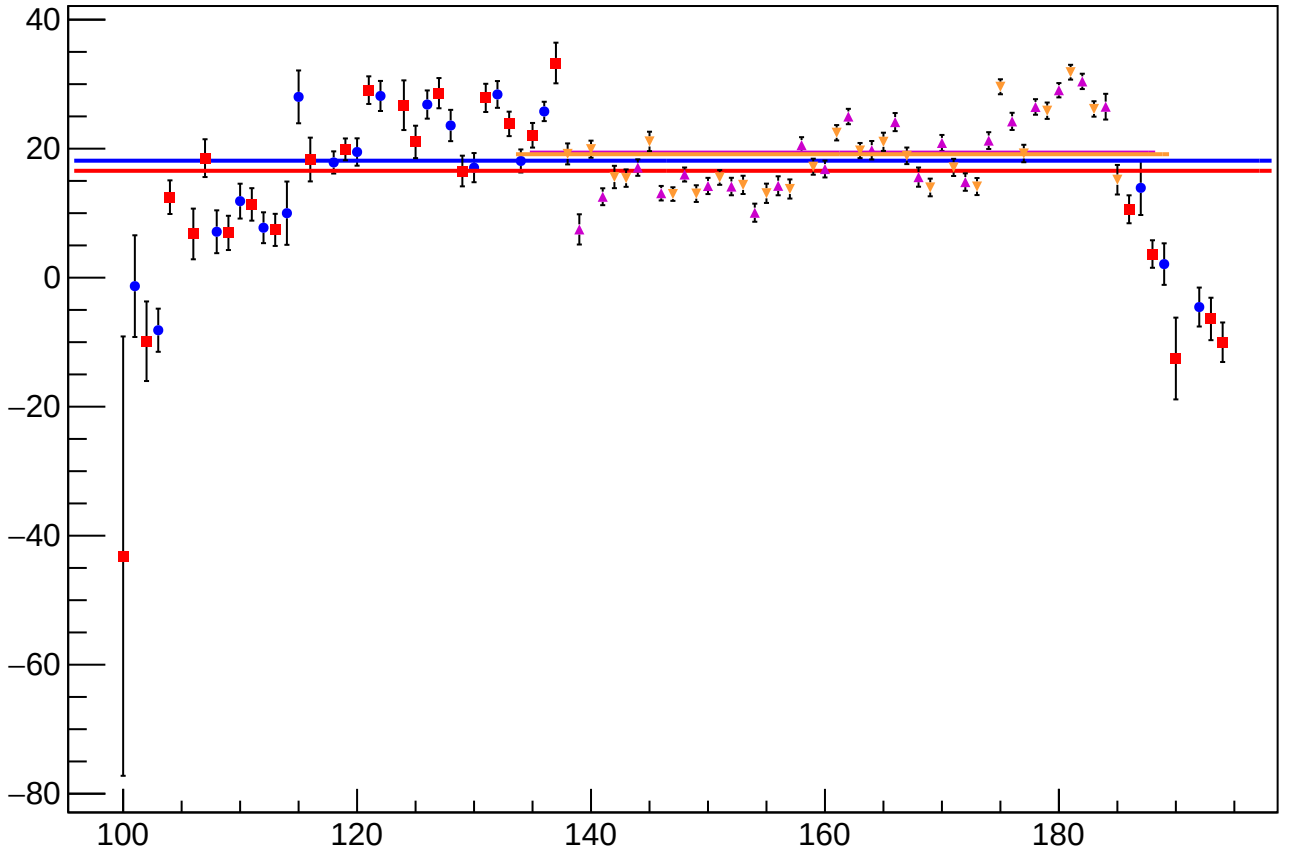
Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

Right: 69.872+/-0.310 χ^2/NDF: 1966.5/42

In: 62.519+/-0.263 χ^2/NDF:2050.1/41

Out: 62.798+/-0.242 χ^2/NDF:3247.2/48

All: 62.670+/-0.178 χ^2/NDF: 5297.9/90



Right In: 18.134+/-0.561 χ^2/NDF: 284.5/18

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 16.567+/-0.529 χ^2/NDF: 403.3/23

Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

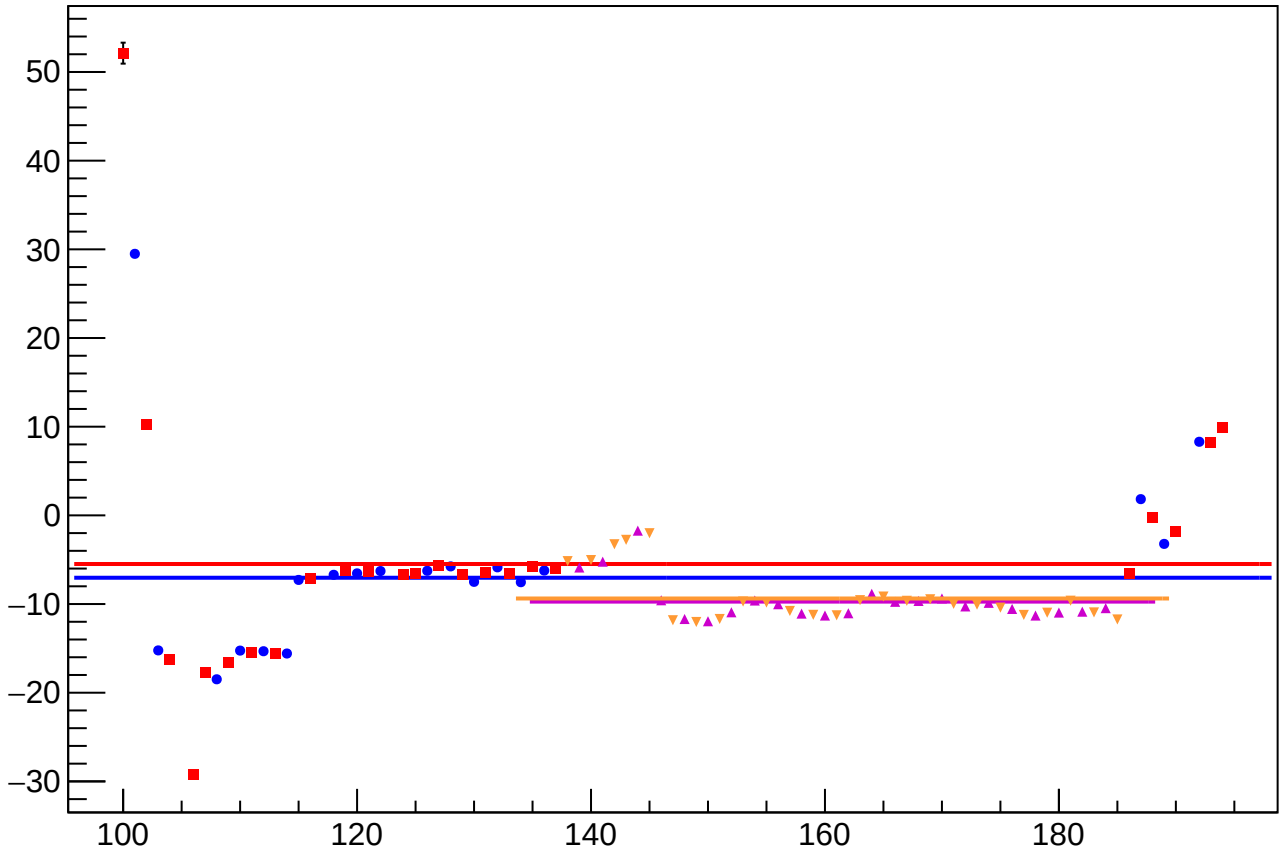
Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

Right: 17.305+/-0.385 χ^2/NDF: 691.9/42

In: 19.148+/-0.246 χ^2/NDF:756.2/41

Out: 18.625+/-0.236 χ^2/NDF:855.9/48

All: 18.876+/-0.170 χ^2/NDF: 1614.5/90



Right In: -7.035+/-0.030 χ^2/NDF: 63614.5/18

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -5.486+/-0.029 χ^2/NDF: 120681.1/23

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

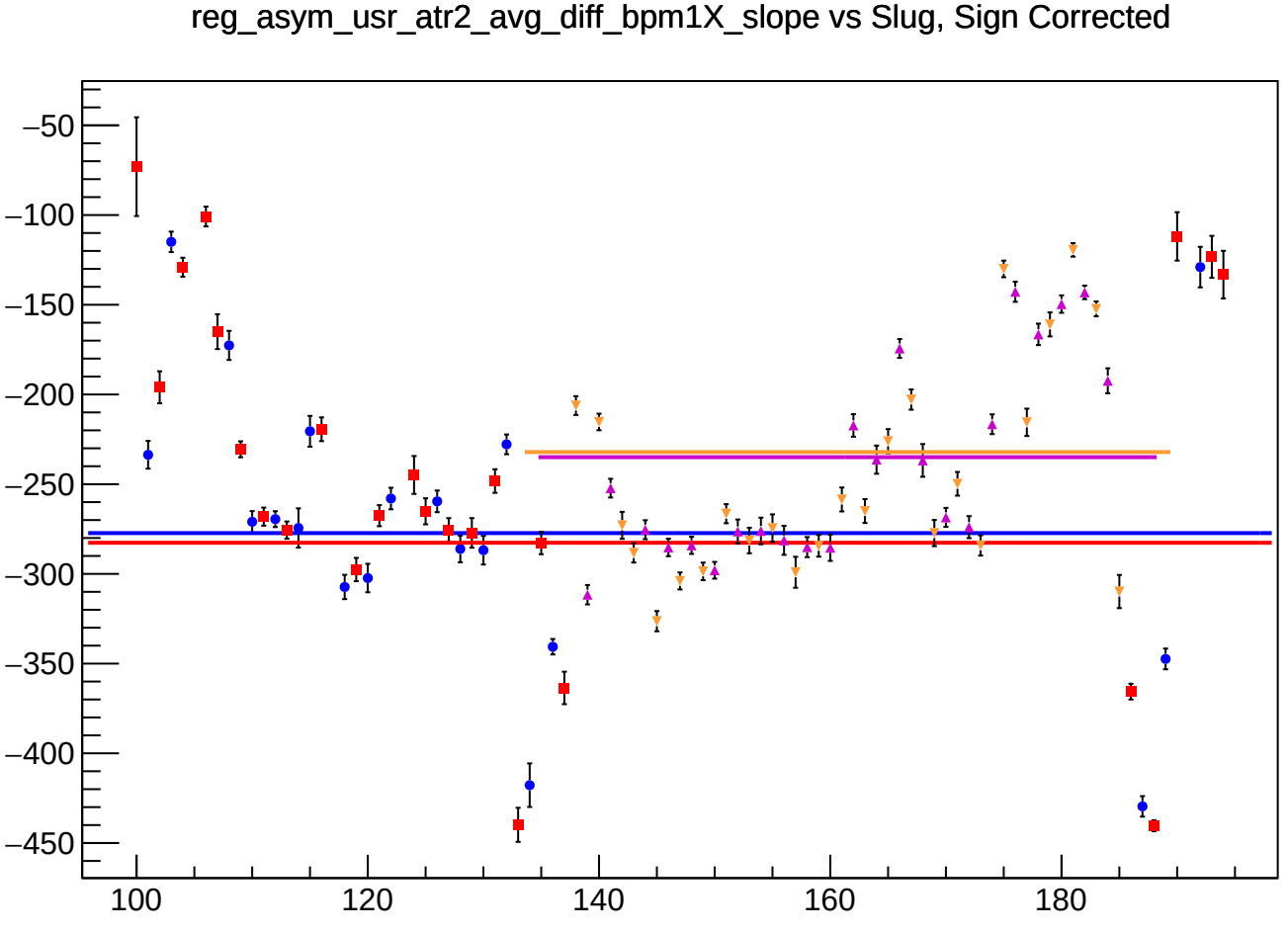
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

Right: -6.223+/-0.021 χ^2/NDF: 185686.0/42

In: -9.350+/-0.011 χ^2/NDF:102458.8/41

Out: -8.804+/-0.011 χ^2/NDF:186320.1/48

All: -9.071+/-0.008 χ^2/NDF: 289985.3/90



Right In: -277.265+/-1.487 χ^2/NDF: 2567.9/18

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -282.640+/-1.273 χ^2/NDF: 6357.8/23

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

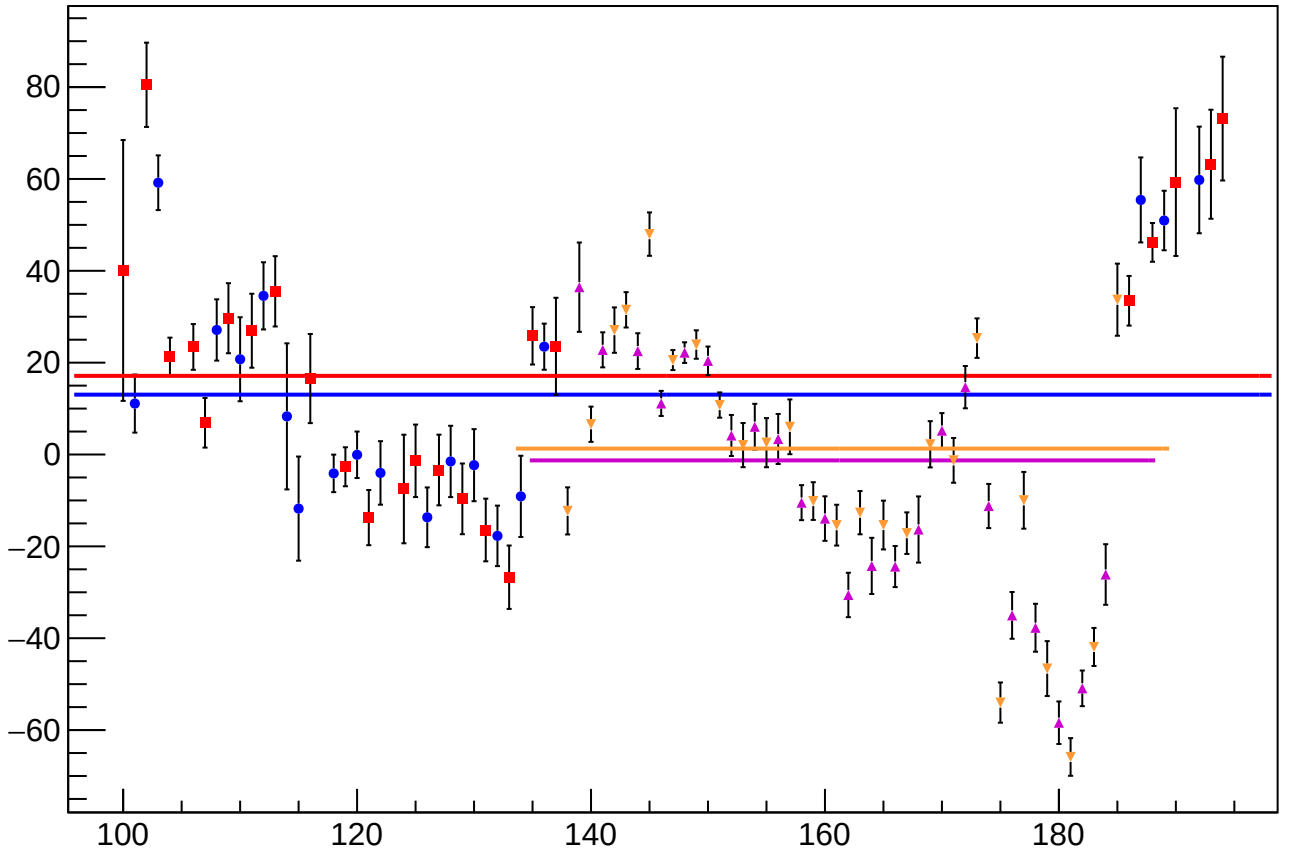
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -280.367+/-0.967 χ^2/NDF: 8933.2/42

In: -251.233+/-0.922 χ^2/NDF:5536.5/41

Out: -254.661+/-0.850 χ^2/NDF:10500.9/48

All: -253.086+/-0.625 χ^2/NDF: 16045.0/90



Right In: 13.036+/-1.556 χ^2/NDF: 237.3/18

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 17.127+/-1.375 χ^2/NDF: 304.3/23

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

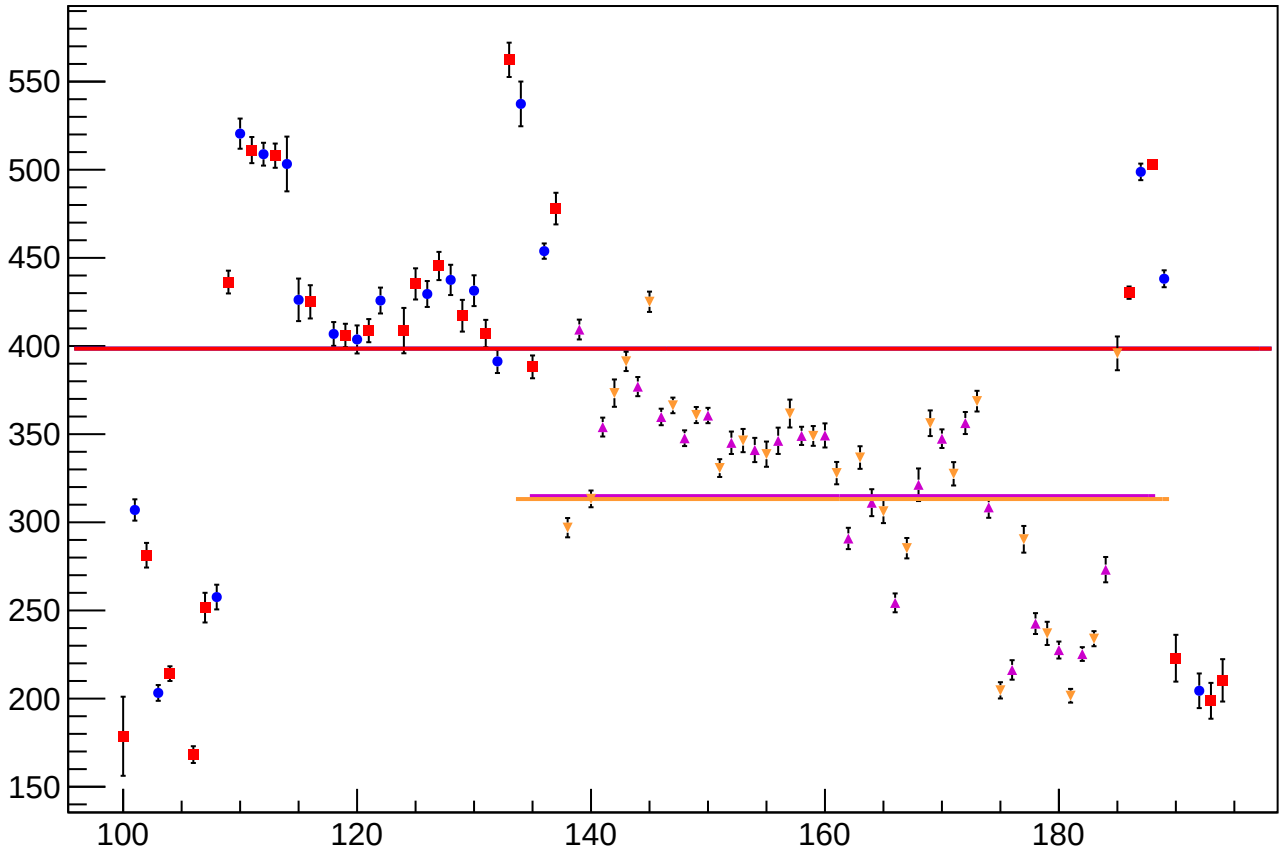
Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

Right: 15.334+/-1.030 χ^2/NDF: 545.5/42

In: 2.121+/-0.759 χ^2/NDF:1113.0/41

Out: 5.576+/-0.715 χ^2/NDF:1450.5/48

All: 3.951+/-0.520 χ^2/NDF: 2574.5/90



Right In: 398.551+/-1.527 χ^2/NDF: 4344.2/18

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 398.490+/-1.252 χ^2/NDF: 8612.2/23

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

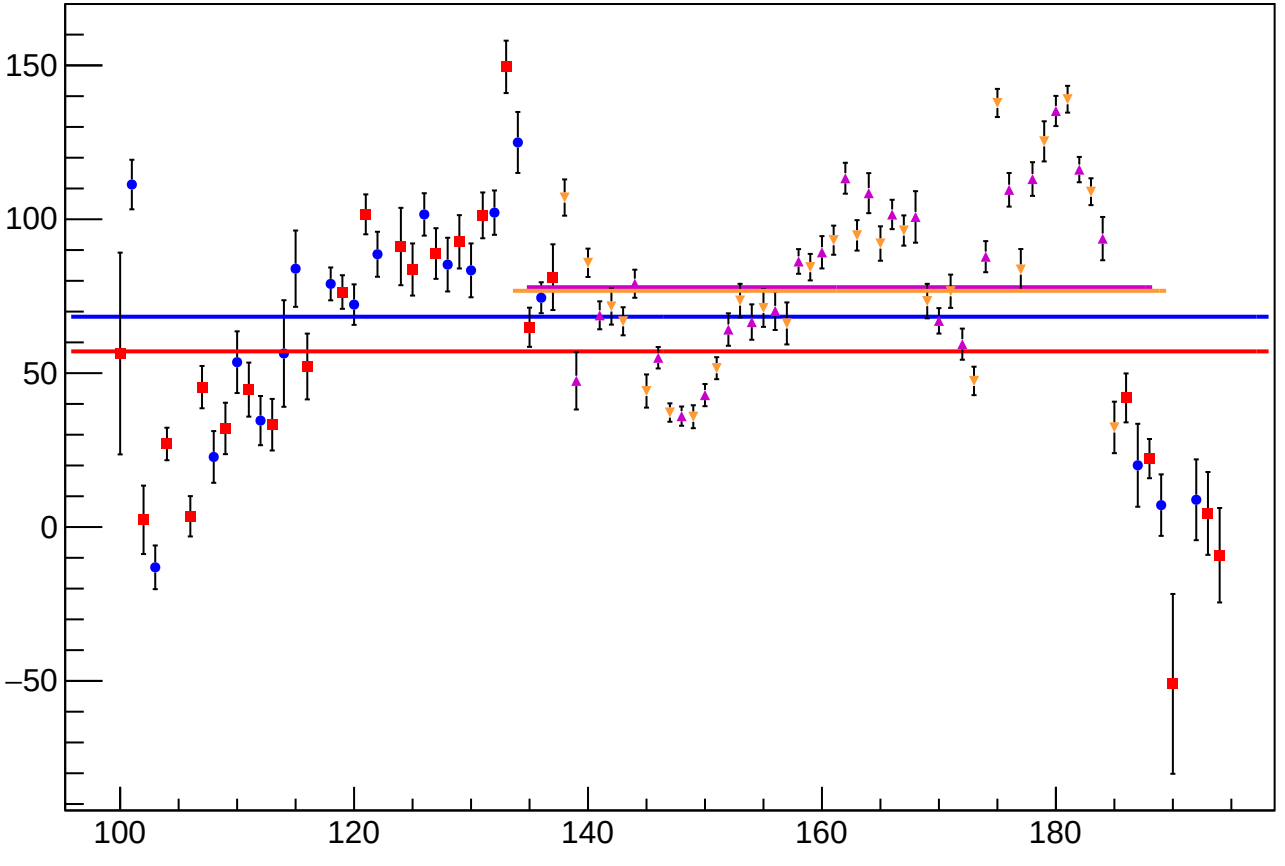
Right: 398.514+/-0.968 χ^2/NDF: 12956.3/42

In: 345.528+/-0.924 χ^2/NDF:8675.8/41

Out: 351.630+/-0.841 χ^2/NDF:14297.2/48

All: 348.869+/-0.622 χ^2/NDF: 22996.9/90

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 68.337+/-1.828 χ^2/NDF: 380.6/18

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 57.076+/-1.662 χ^2/NDF: 495.2/23

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

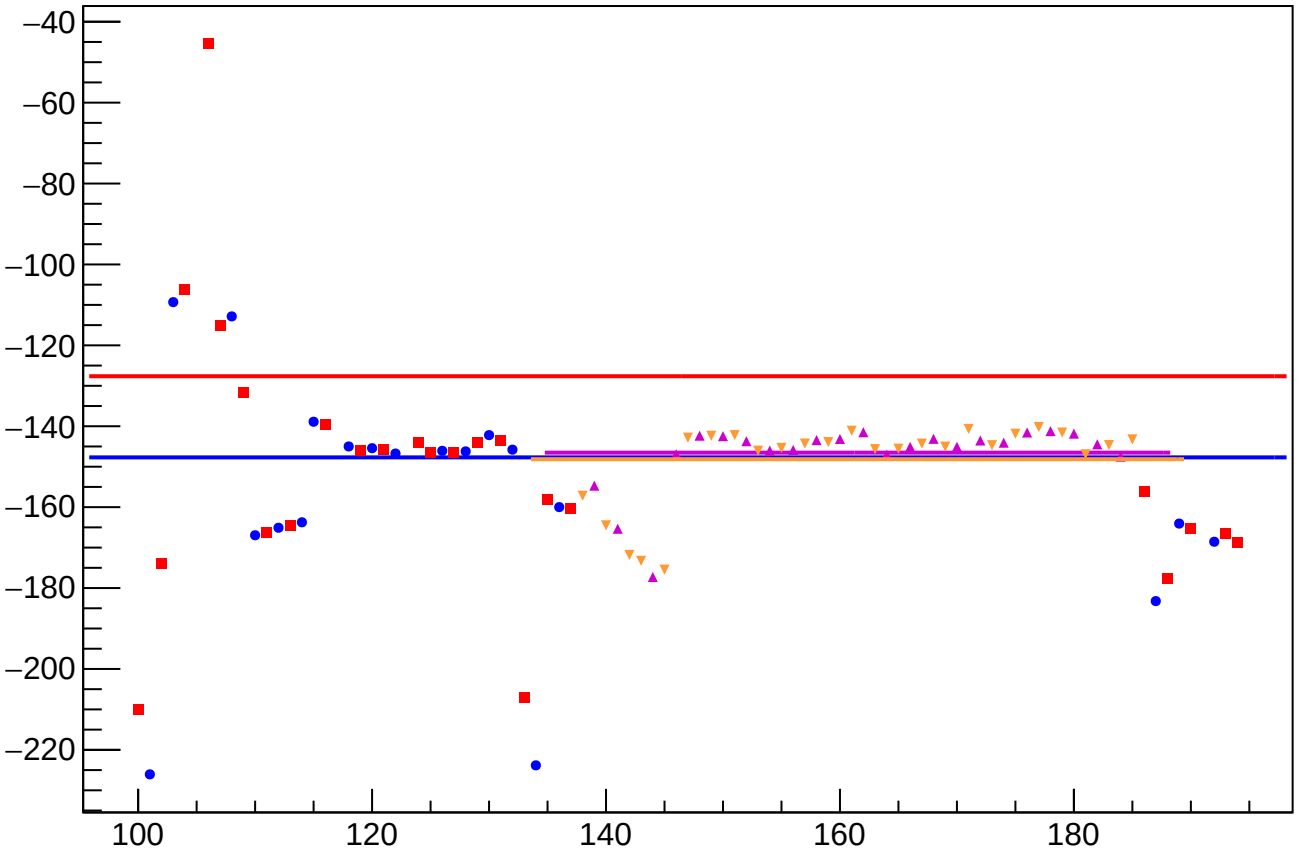
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 62.173+/-1.230 χ^2/NDF: 896.5/42

In: 75.726+/-0.875 χ^2/NDF:1185.6/41

Out: 71.784+/-0.836 χ^2/NDF:1635.3/48

All: 73.664+/-0.604 χ^2/NDF: 2831.5/90



Right In: -147.696+/-0.093 χ^2/NDF: 138560.5/18

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -127.634+/-0.082 χ^2/NDF: 319728.9/23

Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

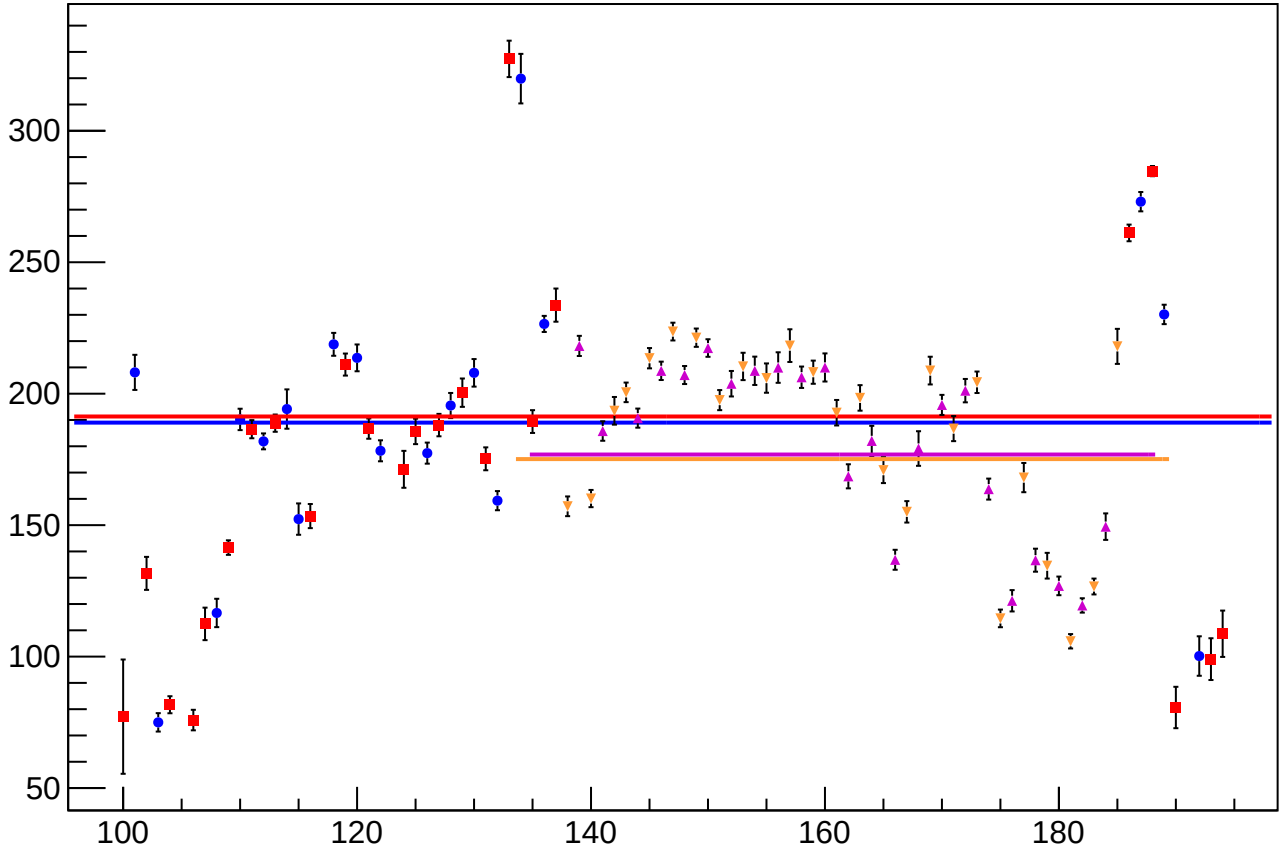
Right: -136.367+/-0.061 χ^2/NDF: 484480.4/42

In: -146.749+/-0.041 χ^2/NDF:167860.7/41

Out: -143.367+/-0.039 χ^2/NDF:416885.9/48

All: -144.998+/-0.028 χ^2/NDF: 588284.3/90

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 189.000+/-0.996 χ^2/NDF: 2589.0/18

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 191.329+/-0.842 χ^2/NDF: 6410.6/23

Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

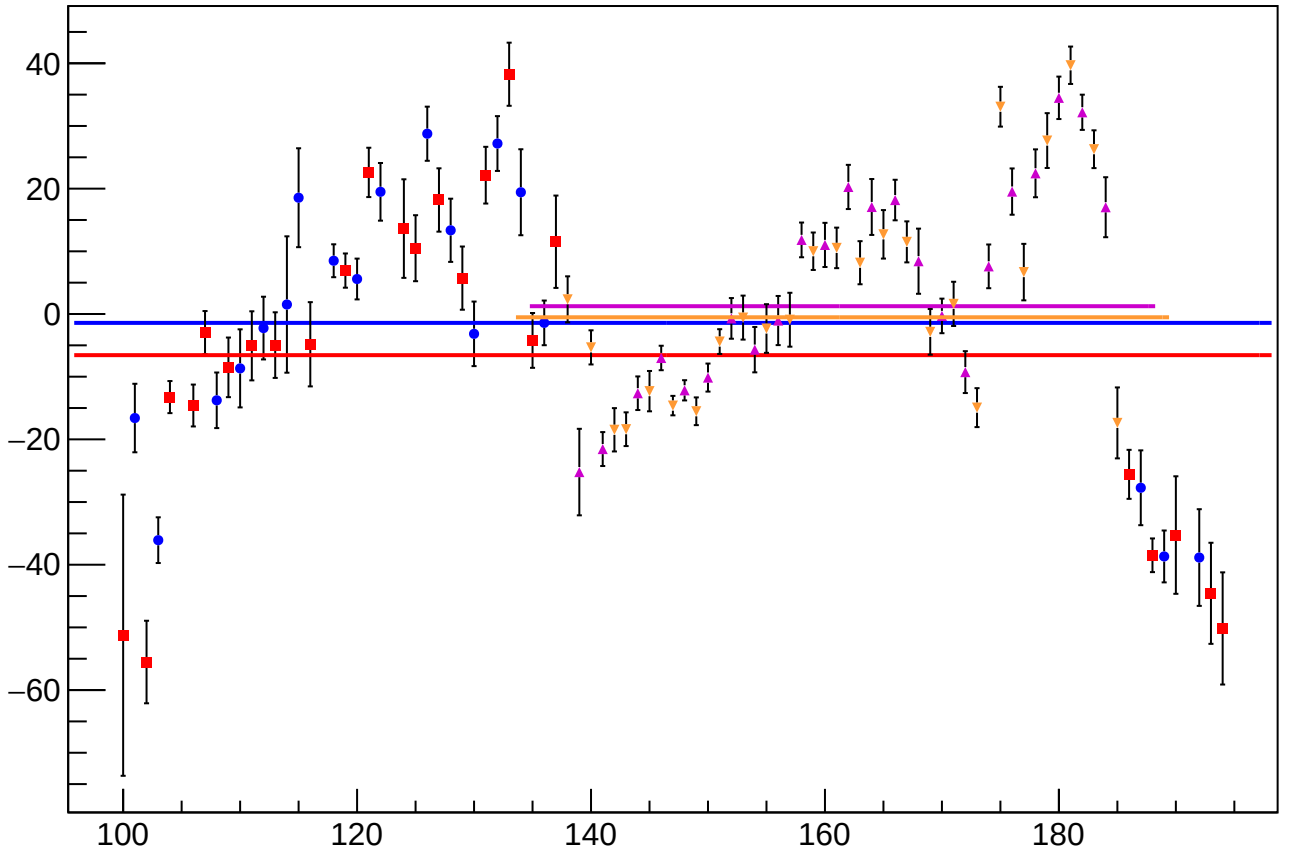
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

Right: 190.357+/-0.643 χ^2/NDF: 9002.8/42

In: 181.958+/-0.645 χ^2/NDF:4431.3/41

Out: 183.031+/-0.588 χ^2/NDF:8895.3/48

All: 182.544+/-0.435 χ^2/NDF: 13328.2/90



Right In: -1.417+/-1.041 χ^2/NDF: 386.9/18

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -6.566+/-0.906 χ^2/NDF: 545.7/23

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

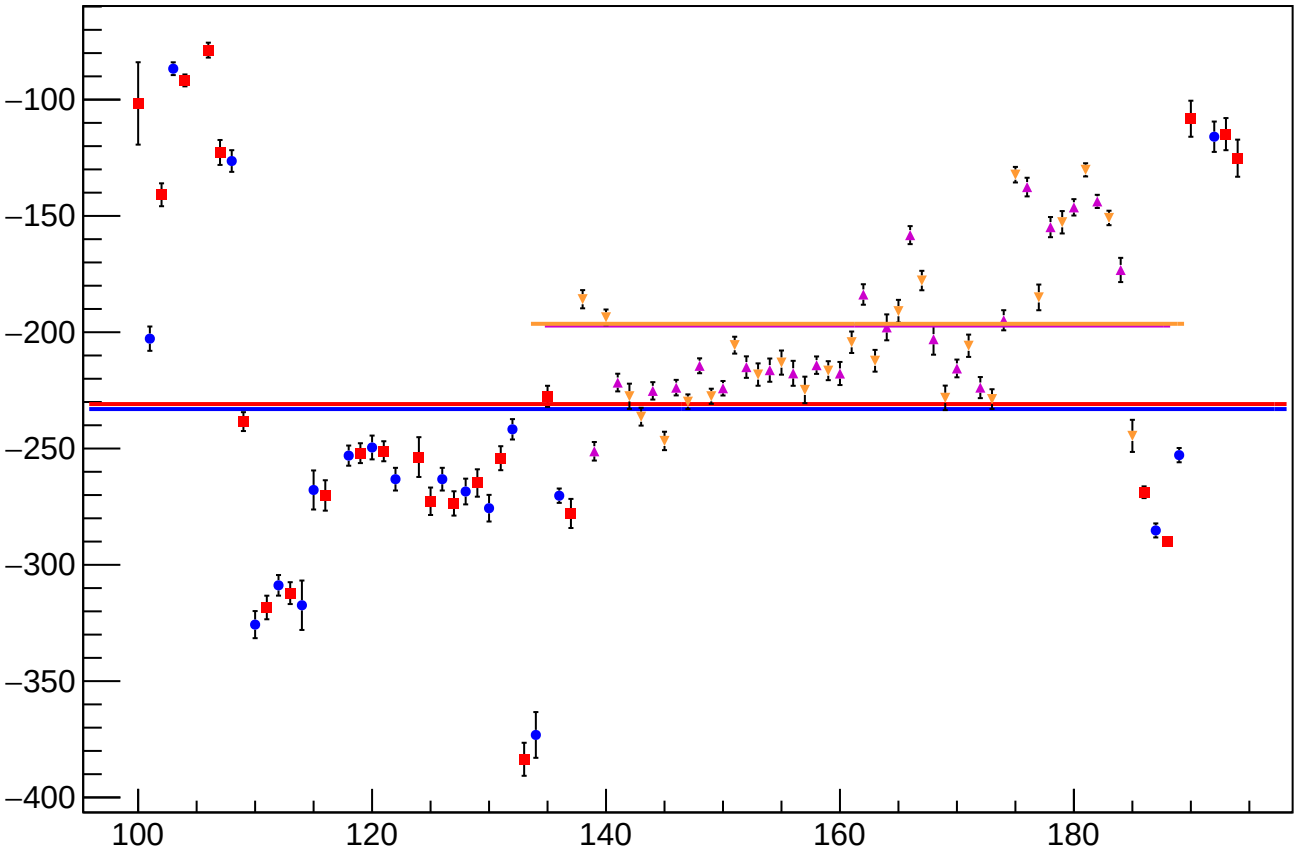
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -4.347+/-0.683 χ^2/NDF: 946.5/42

In: 0.538+/-0.536 χ^2/NDF:1012.3/41

Out: -2.369+/-0.501 χ^2/NDF:1301.0/48

All: -1.015+/-0.366 χ^2/NDF: 2329.0/90



Right In: -233.034+/-1.019 χ^2/NDF: 5236.5/18

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -230.884+/-0.825 χ^2/NDF: 9759.1/23

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

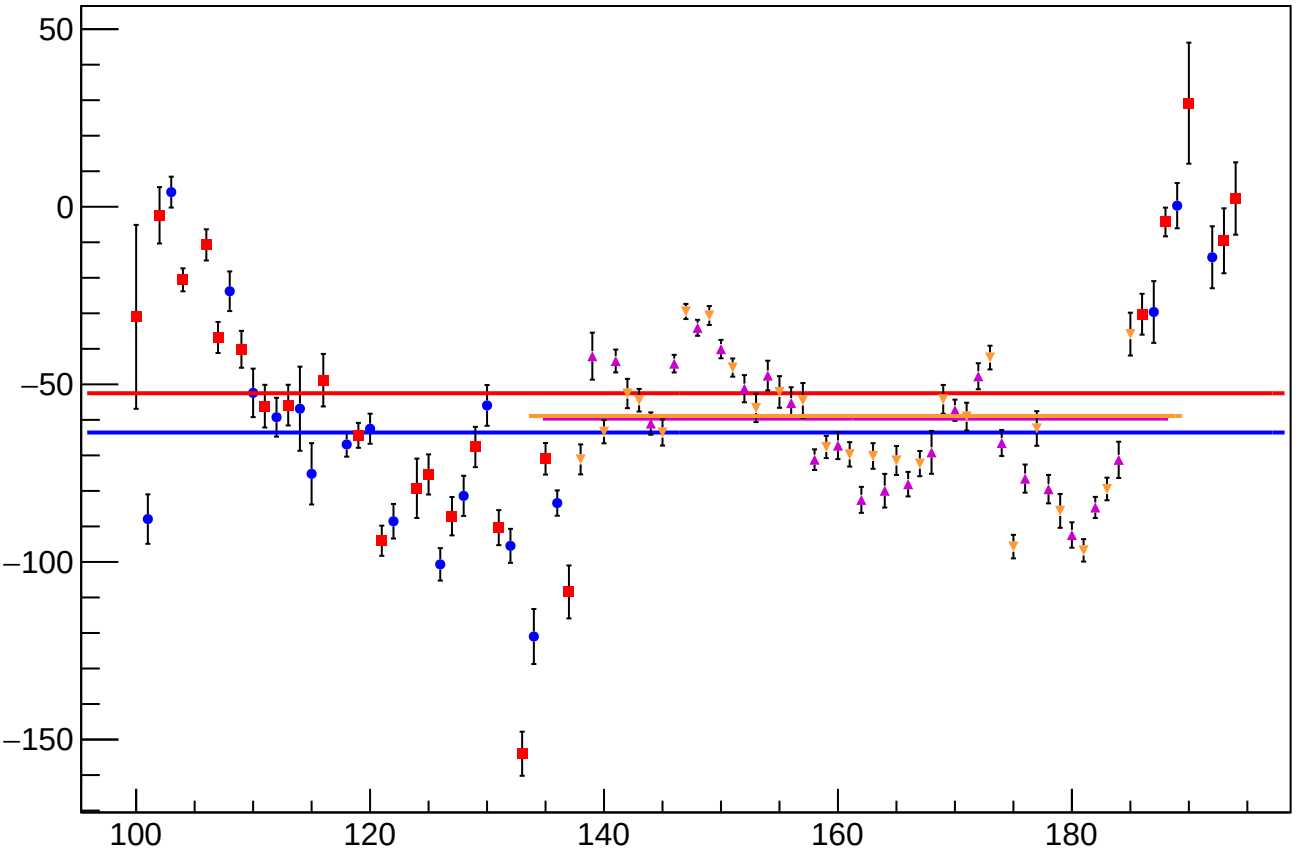
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -231.735+/-0.641 χ^2/NDF: 14998.3/42

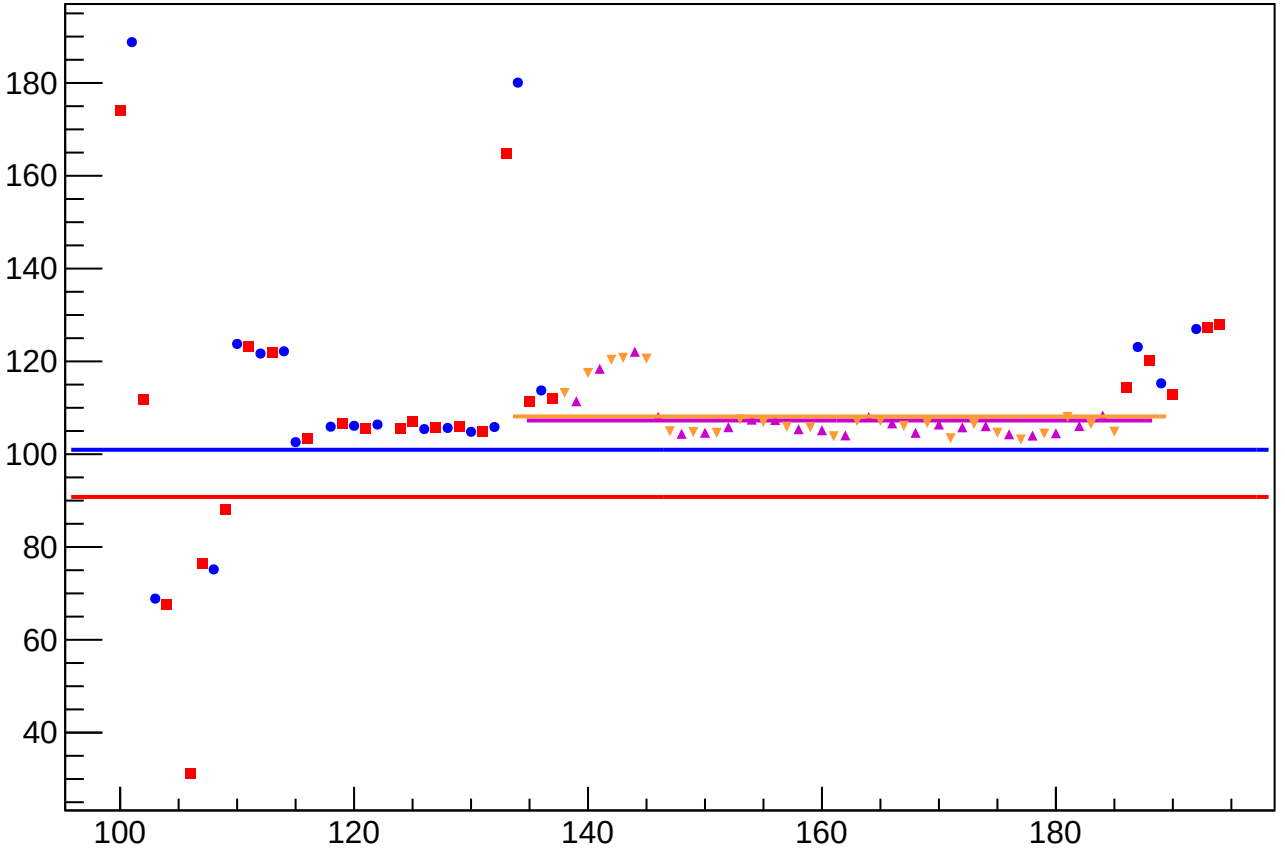
In: -211.593+/-0.647 χ^2/NDF:7579.7/41

Out: -213.445+/-0.580 χ^2/NDF:12641.7/48

All: -212.620+/-0.432 χ^2/NDF: 20225.9/90


reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
100
120
140
160
180
Right In: -63.559+/-1.228 χ²/NDF: 693.6/18
Left Out: -58.910+/-0.695 χ²/NDF:782.5/24
Right Out: -52.498+/-1.098 χ²/NDF: 1060.1/23
Left In: -59.637+/-0.718 χ²/NDF:597.0/22
Left: -59.261+/-0.499 χ²/NDF: 1380.0/47
Right: -57.412+/-0.818 χ²/NDF: 1798.8/42
In: -60.637+/-0.620 χ²/NDF:1298.3/41
Out: -57.076+/-0.587 χ²/NDF:1866.9/48
All: -58.760+/-0.426 χ²/NDF: 3182.6/90

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 100.955+/-0.062 χ^2/NDF: 243138.6/18

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

Right Out: 90.789+/-0.055 χ^2/NDF: 335035.9/23

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

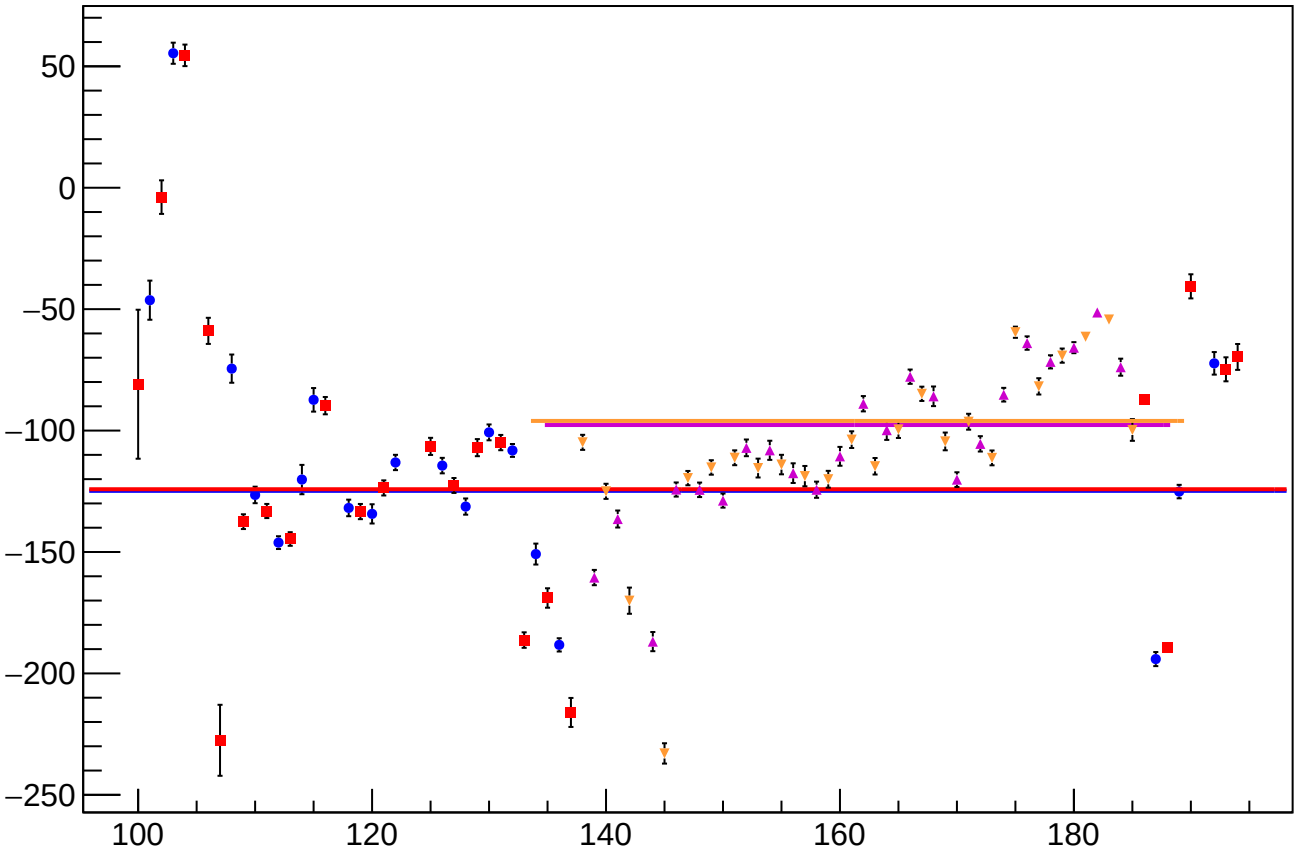
Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

Right: 95.276+/-0.041 χ^2/NDF: 593046.4/42

In: 105.894+/-0.029 χ^2/NDF:268045.6/41

Out: 103.702+/-0.028 χ^2/NDF:434489.4/48

All: 104.758+/-0.020 χ^2/NDF: 705488.7/90



Right In: -124.816+/-0.802 χ^2/NDF: 3416.9/18

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

Right Out: -124.156+/-0.680 χ^2/NDF: 5721.4/22

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

Left: -96.865+/-0.450 χ^2/NDF: 5415.3/46

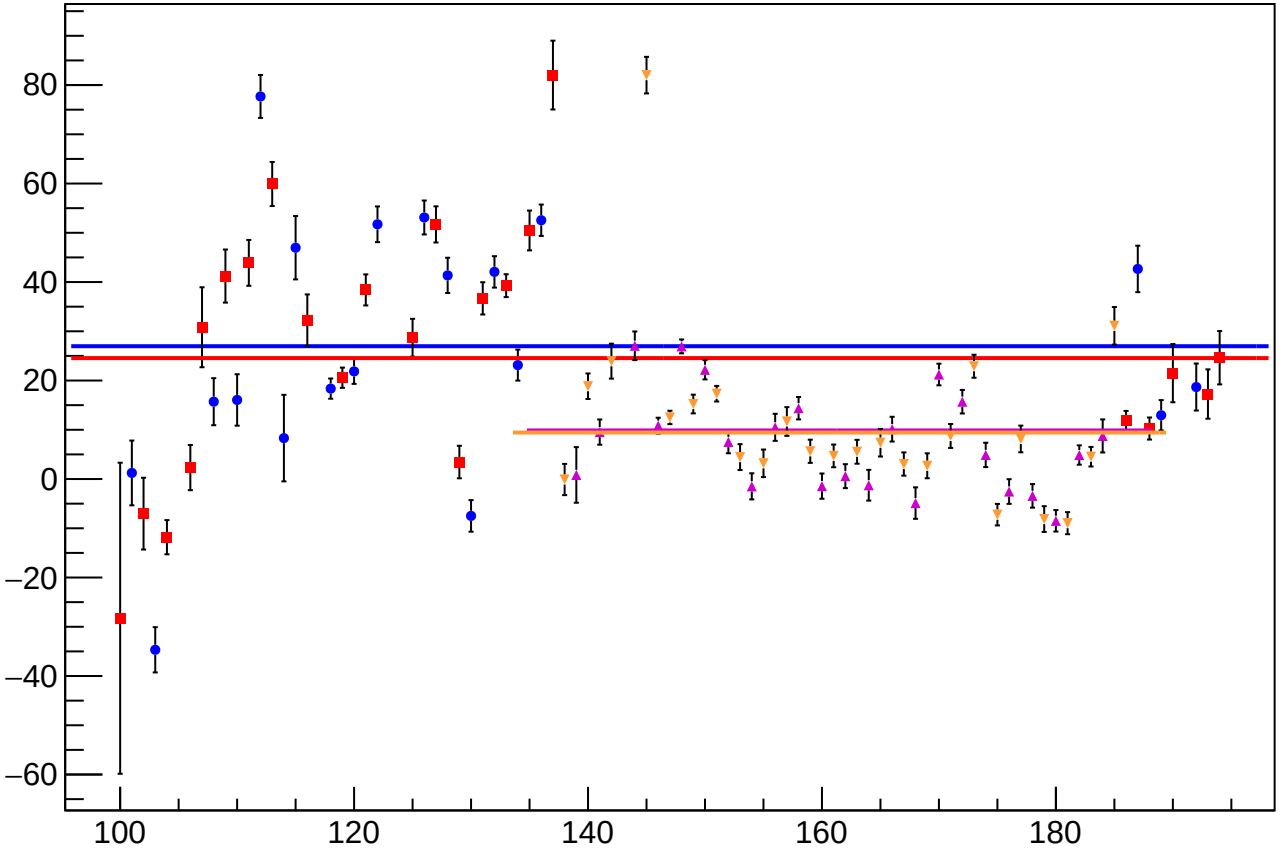
Right: -124.432+/-0.518 χ^2/NDF: 9138.8/41

In: -108.234+/-0.499 χ^2/NDF:6757.1/41

Out: -109.135+/-0.464 χ^2/NDF:9407.3/46

All: -108.718+/-0.340 χ^2/NDF: 16166.2/88

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 26.971+/-0.827 χ^2/NDF: 735.5/18

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

Right Out: 24.558+/-0.744 χ^2/NDF: 611.5/22

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

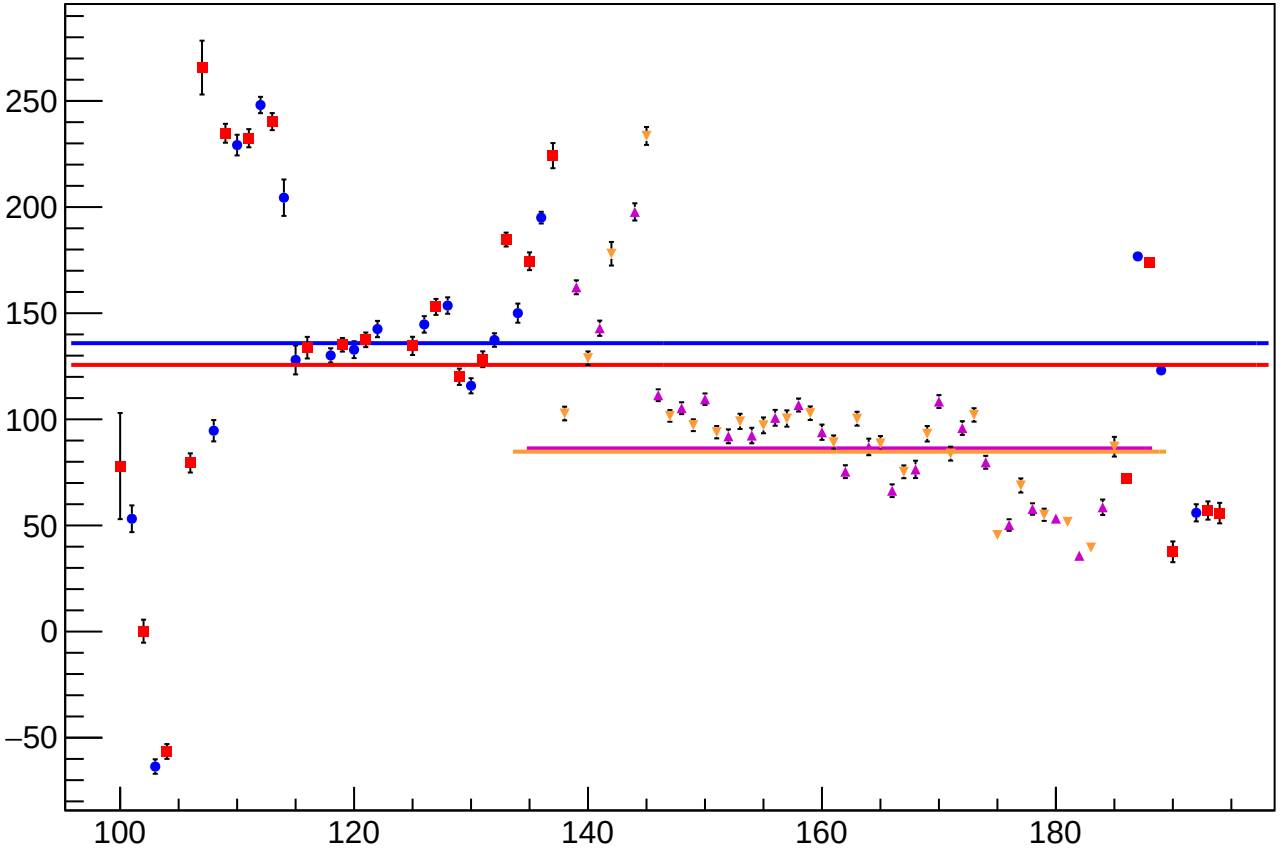
Right: 25.637+/-0.553 χ^2/NDF: 1351.8/41

In: 14.264+/-0.419 χ^2/NDF:1538.8/41

Out: 13.856+/-0.402 χ^2/NDF:1640.3/46

All: 14.051+/-0.290 χ^2/NDF: 3179.5/88

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 135.879+/-0.839 χ^2/NDF: 6179.1/18

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

Right Out: 125.633+/-0.660 χ^2/NDF: 10110.9/22

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

Left: 85.526+/-0.446 χ^2/NDF: 6266.2/46

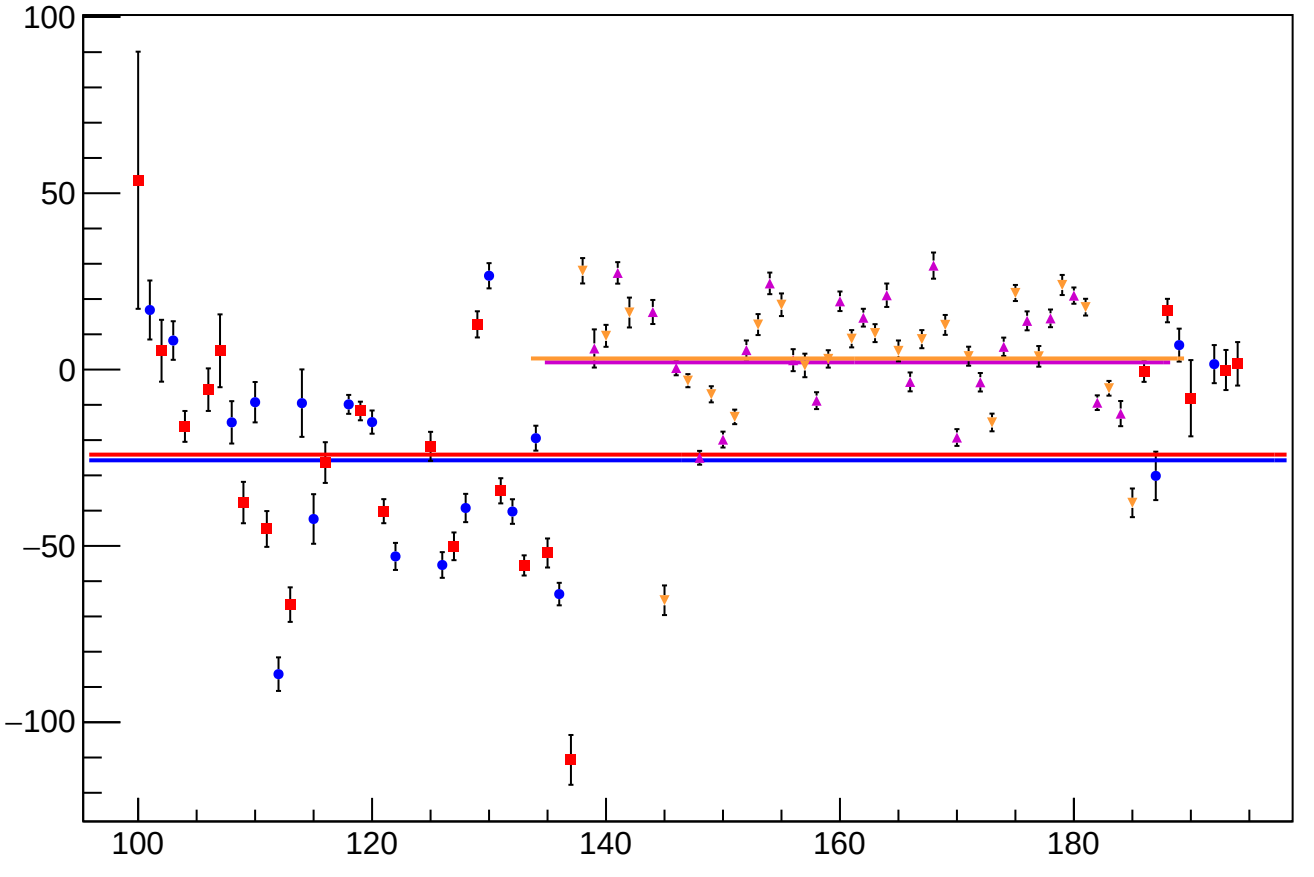
Right: 129.548+/-0.519 χ^2/NDF: 16382.2/41

In: 104.244+/-0.505 χ^2/NDF:11560.5/41

Out: 104.226+/-0.455 χ^2/NDF:15231.7/46

All: 104.234+/-0.338 χ^2/NDF: 26792.2/88

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -25.731+/-0.972 χ^2/NDF: 871.8/18

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

Right Out: -24.116+/-0.907 χ^2/NDF: 897.9/22

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

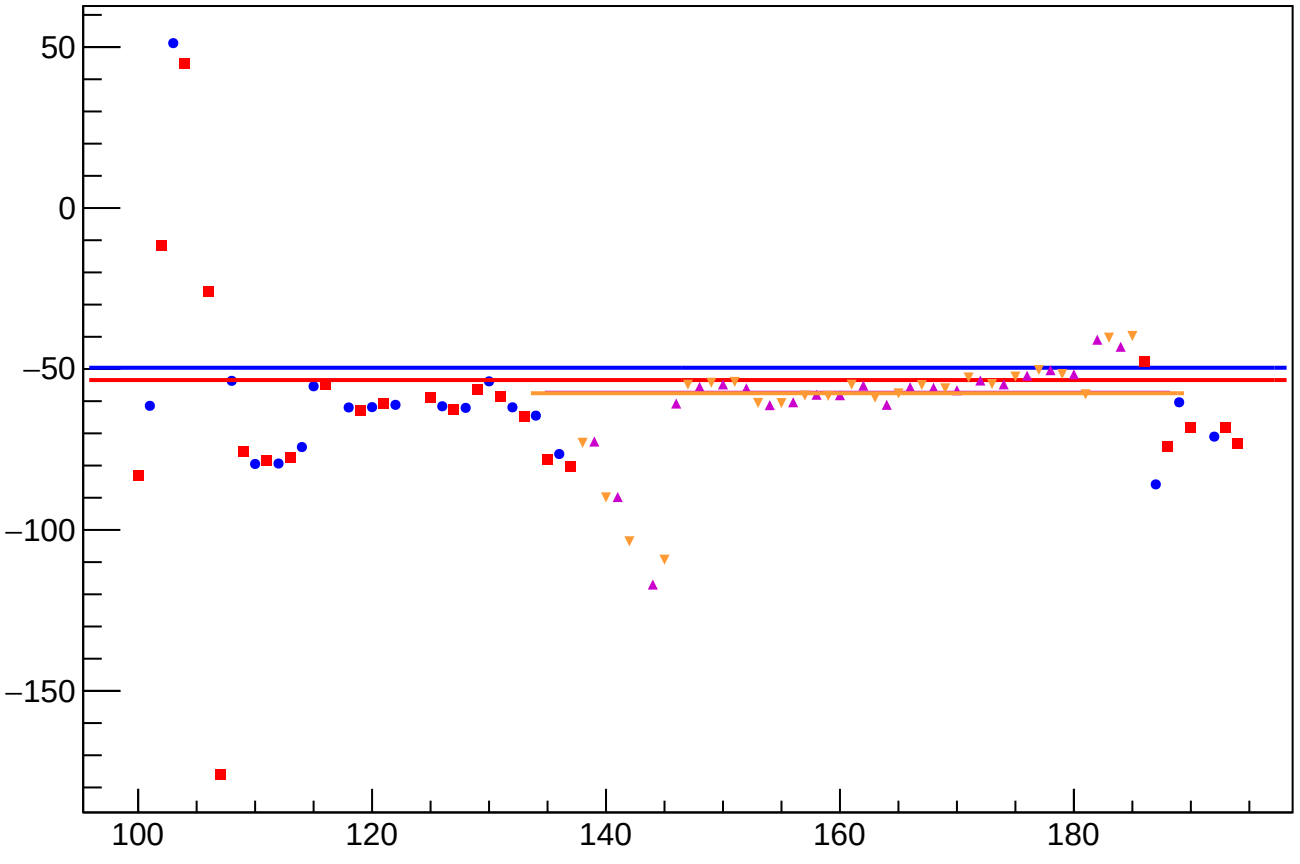
Right: -24.867+/-0.663 χ^2/NDF: 1771.1/41

In: -4.706+/-0.479 χ^2/NDF:2340.7/41

Out: -4.059+/-0.466 χ^2/NDF:2376.7/46

All: -4.374+/-0.334 χ^2/NDF: 4718.4/88

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -49.618+/-0.054 χ^2/NDF: 608375.1/18

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -53.440+/-0.051 χ^2/NDF: 544224.6/22

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

Left: -57.455+/-0.018 χ^2/NDF: 494187.3/46

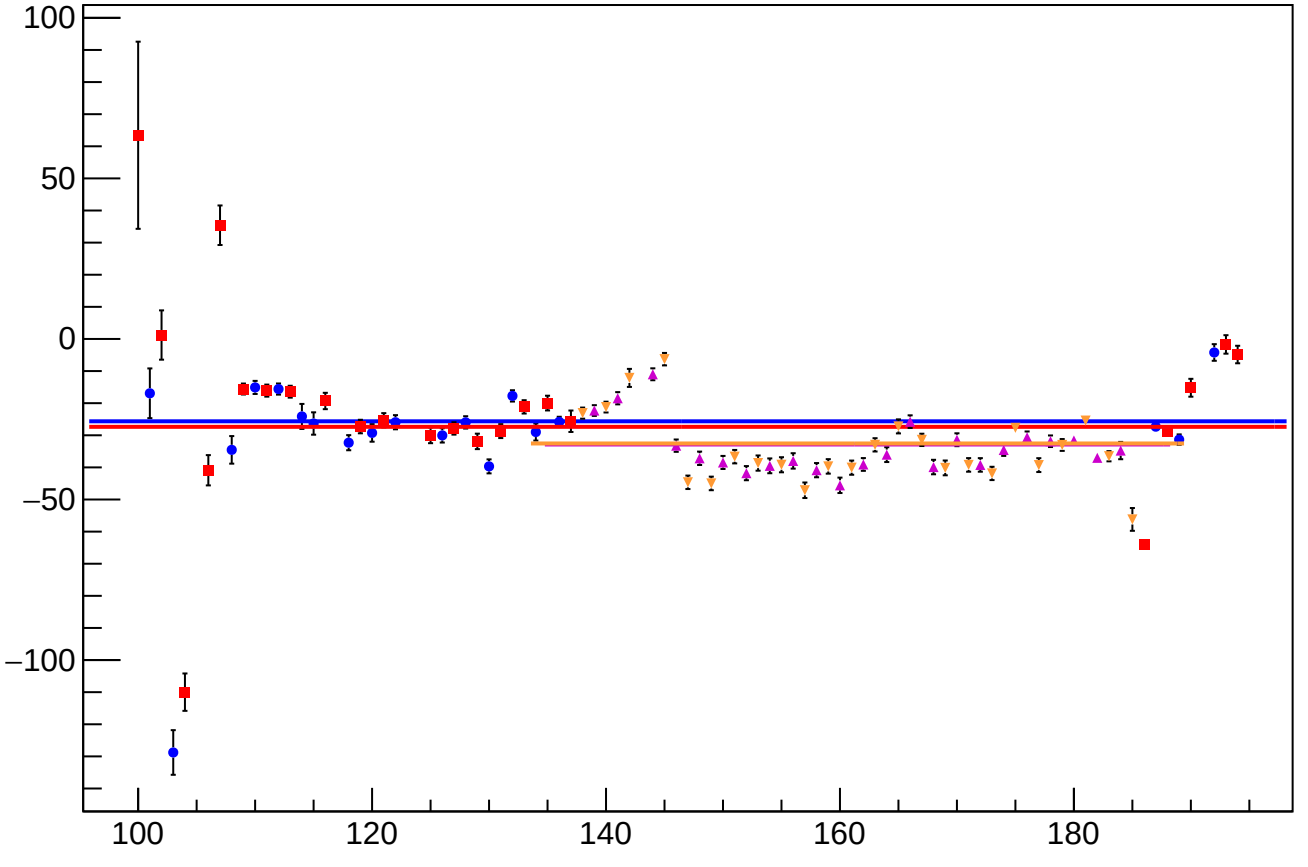
Right: -51.642+/-0.037 χ^2/NDF: 1155249.1/41

In: -56.031+/-0.023 χ^2/NDF:852550.4/41

Out: -56.750+/-0.022 χ^2/NDF:816477.5/46

All: -56.394+/-0.016 χ^2/NDF: 1669542.7/88

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.647+/-0.507 χ^2/NDF: 445.2/18

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

Right Out: -27.365+/-0.437 χ^2/NDF: 1328.3/22

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

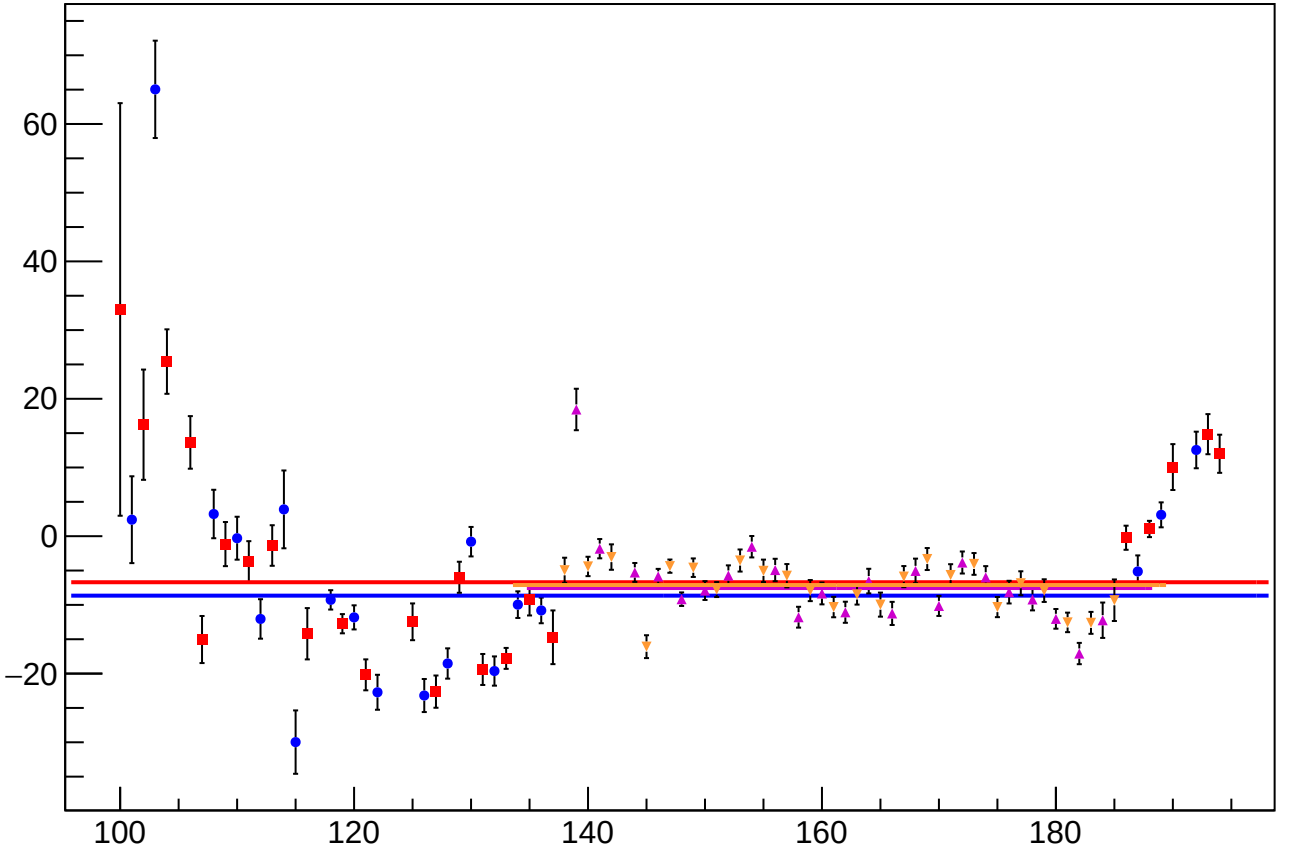
Right: -26.633+/-0.331 χ^2/NDF: 1780.1/41

In: -30.002+/-0.319 χ^2/NDF:940.7/41

Out: -30.146+/-0.298 χ^2/NDF:2007.2/46

All: -30.079+/-0.218 χ^2/NDF: 2948.1/88

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.655+/-0.542 χ^2/NDF: 397.3/18

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

Right Out: -6.703+/-0.495 χ^2/NDF: 479.0/22

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

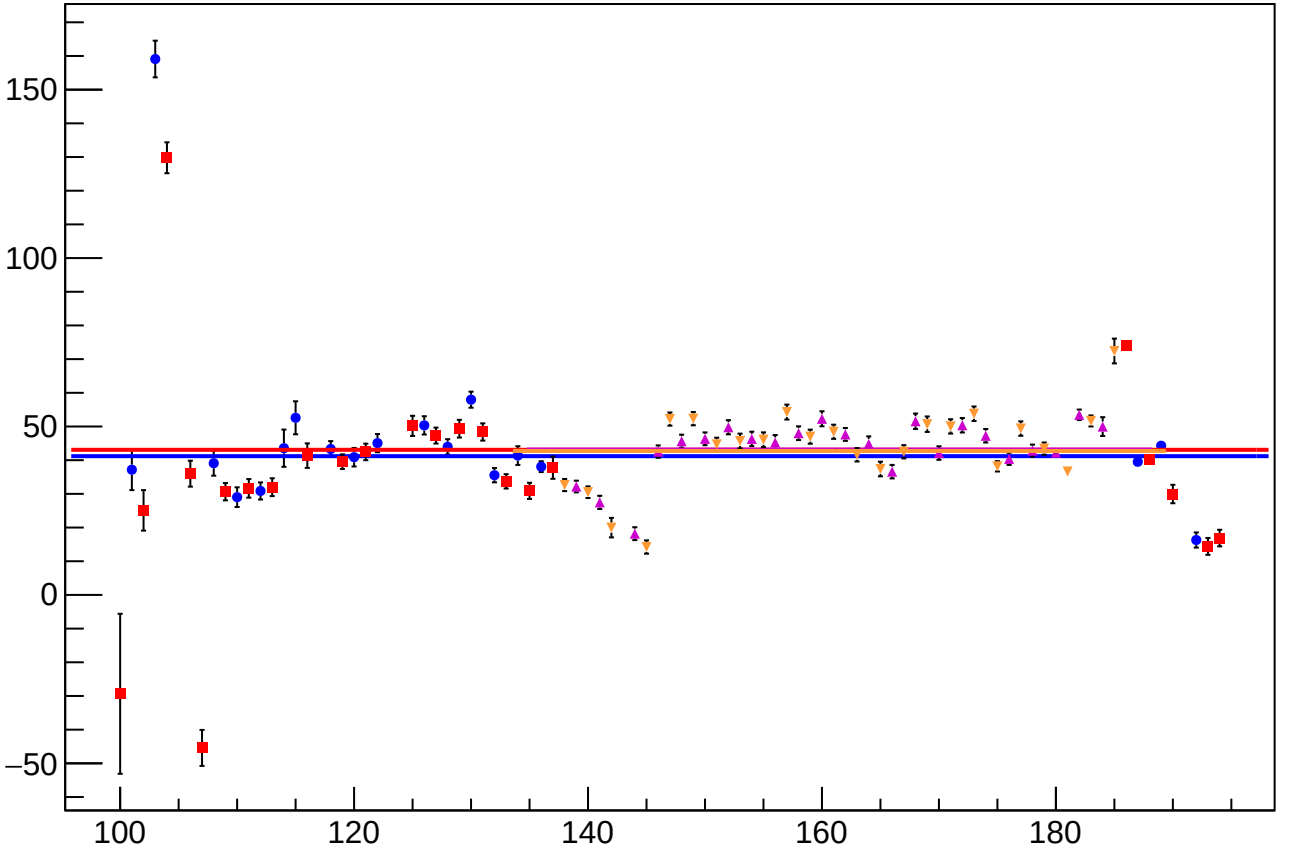
Right: -7.590+/-0.365 χ^2/NDF: 883.4/41

In: -7.827+/-0.272 χ^2/NDF:600.2/41

Out: -6.995+/-0.262 χ^2/NDF:589.0/46

All: -7.395+/-0.189 χ^2/NDF: 1194.0/88

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 41.191+/-0.524 χ^2/NDF: 714.4/18

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

Right Out: 43.084+/-0.425 χ^2/NDF: 1820.3/22

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

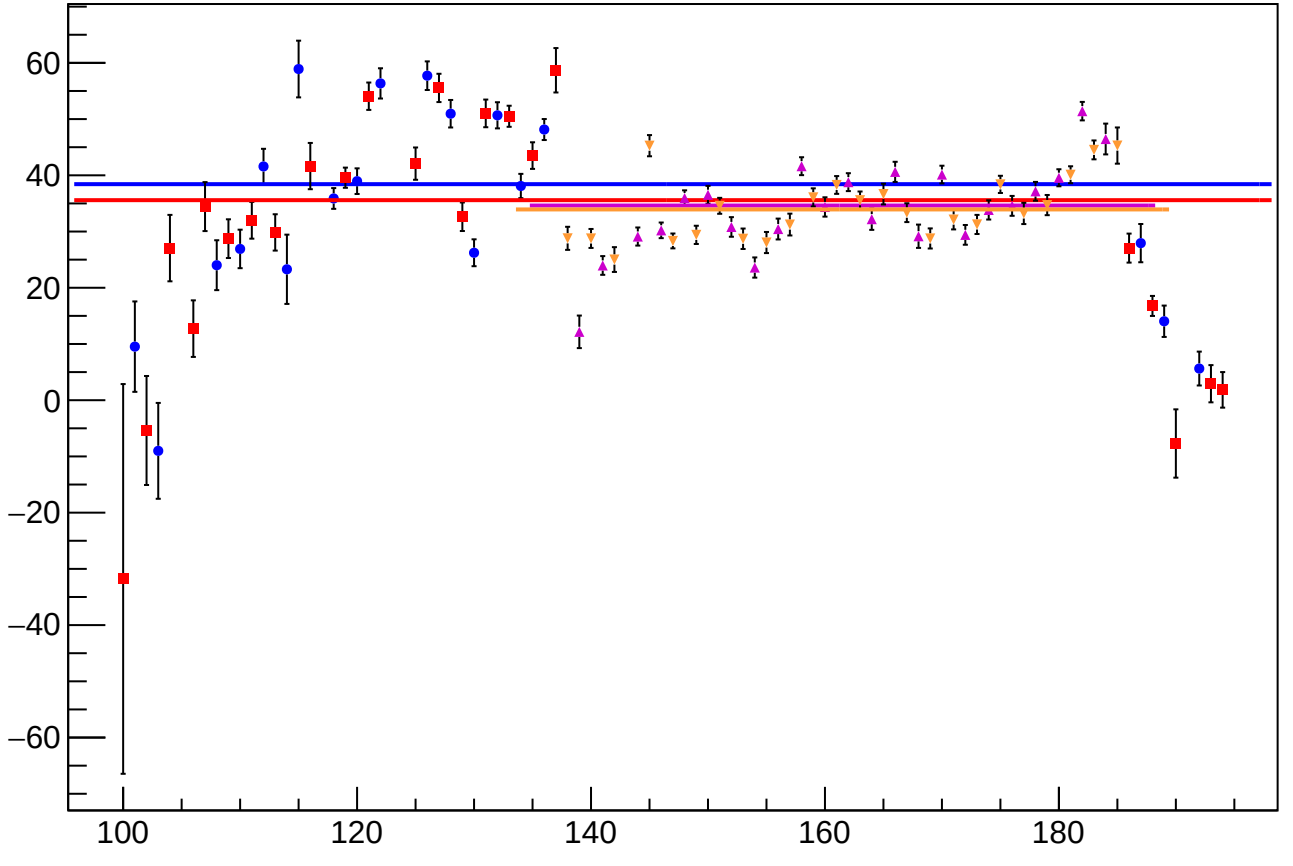
Right: 42.333+/-0.330 χ^2/NDF: 2542.6/41

In: 42.424+/-0.321 χ^2/NDF:1136.3/41

Out: 42.906+/-0.293 χ^2/NDF:2452.2/46

All: 42.688+/-0.216 χ^2/NDF: 3589.7/88

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 38.427+/-0.637 χ^2/NDF: 504.6/18

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

Right Out: 35.581+/-0.602 χ^2/NDF: 719.6/22

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

Left: 34.271+/-0.250 χ^2/NDF: 594.5/46

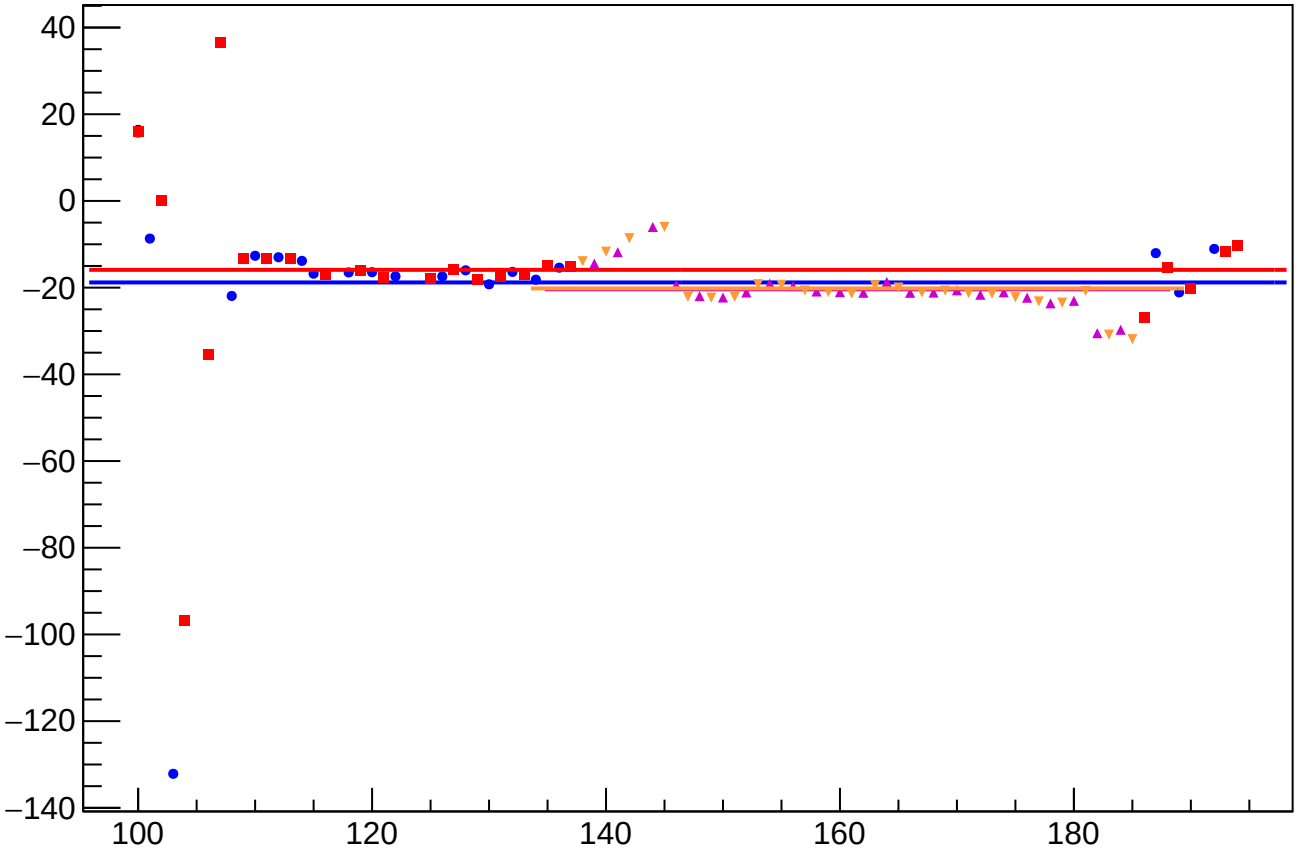
Right: 36.924+/-0.438 χ^2/NDF: 1234.7/41

In: 35.529+/-0.311 χ^2/NDF:907.8/41

Out: 34.348+/-0.303 χ^2/NDF:941.7/46

All: 34.924+/-0.217 χ^2/NDF: 1856.9/88

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -18.802+/-0.036 χ^2/NDF: 255264.4/18

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -15.893+/-0.033 χ^2/NDF: 215056.4/22

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

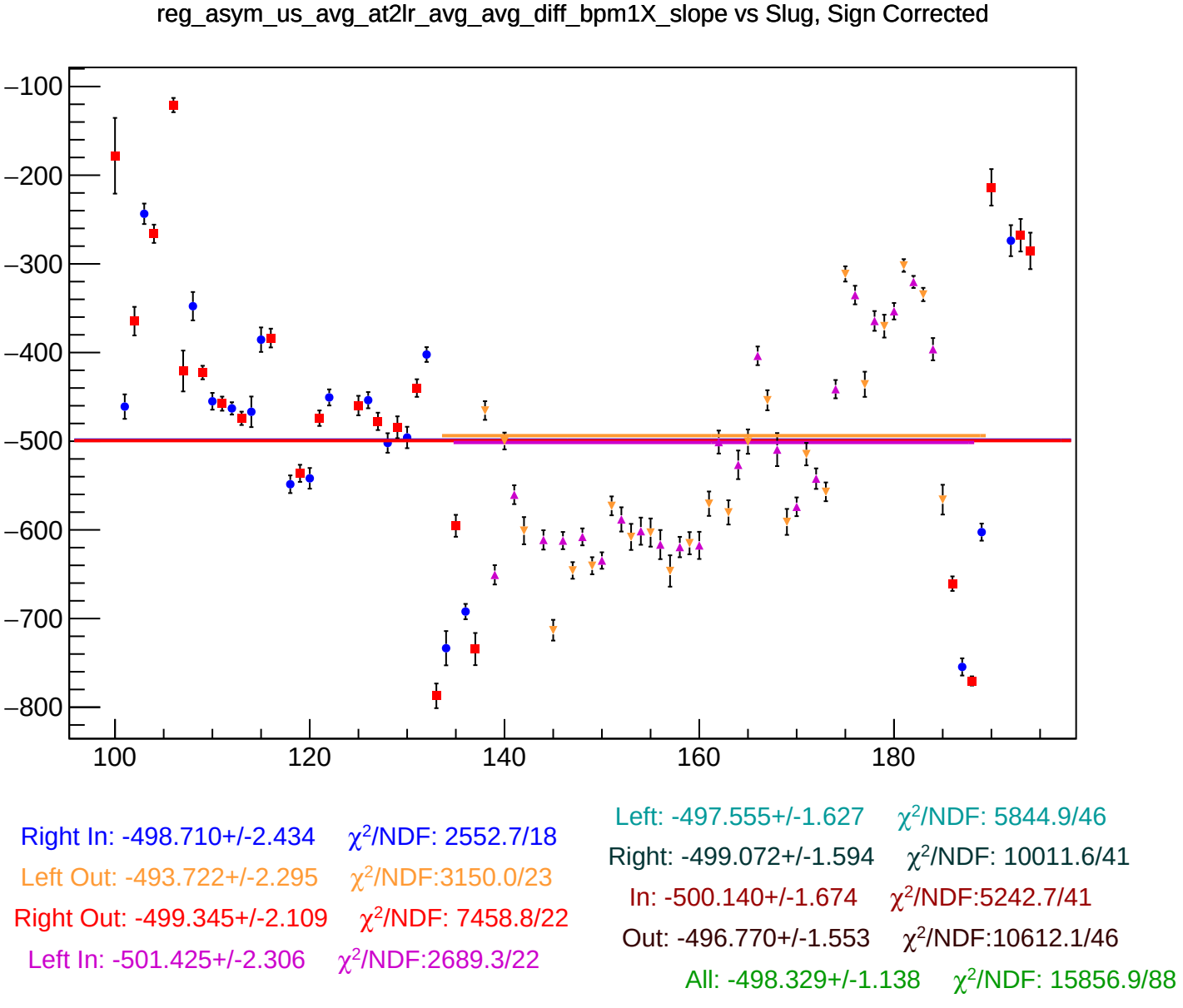
Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

Right: -17.234+/-0.025 χ^2/NDF: 473808.8/41

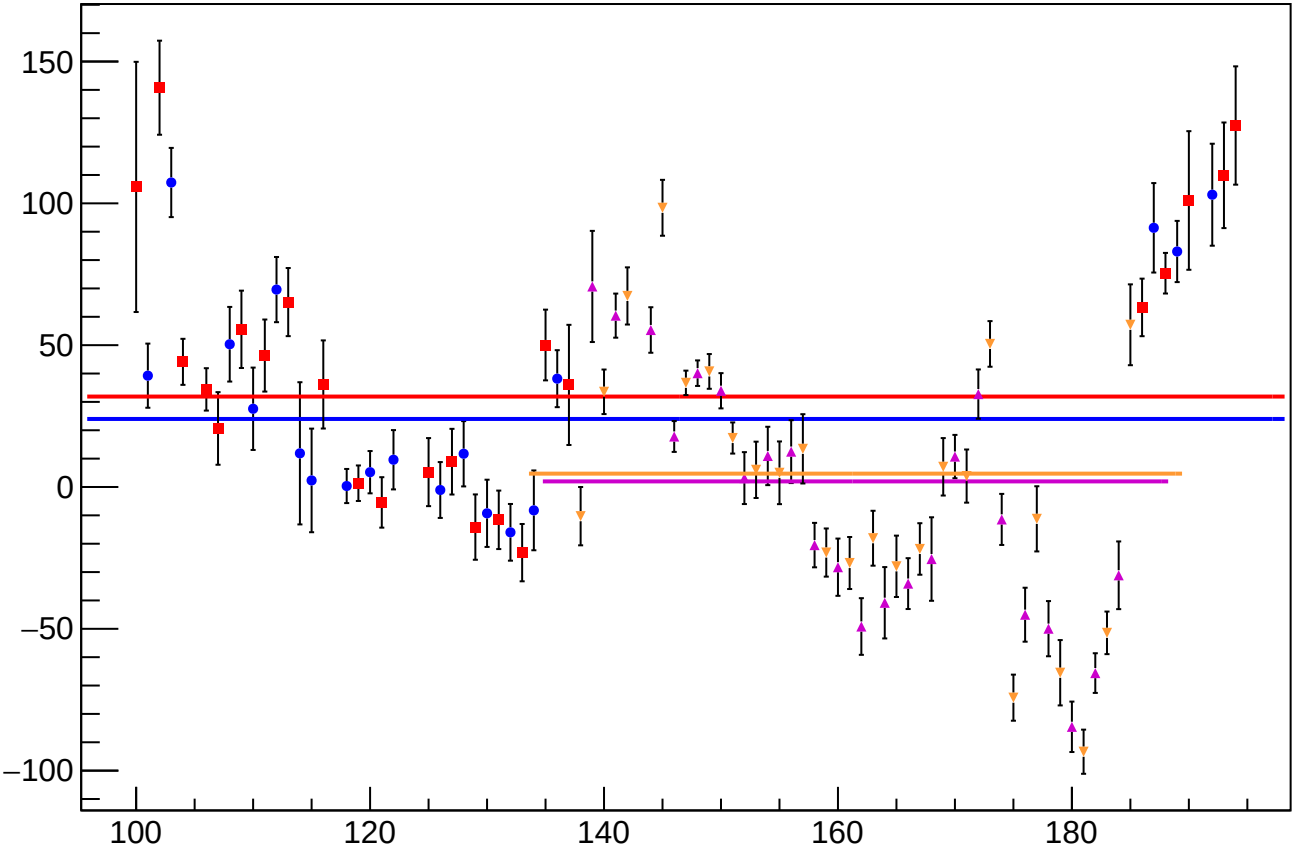
In: -20.141+/-0.014 χ^2/NDF:338051.9/41

Out: -19.395+/-0.014 χ^2/NDF:328405.0/46

All: -19.763+/-0.010 χ^2/NDF: 667804.5/88


reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−100
−200
−300
−400
−500
−600
−700
−800
100
120
140
160
180
Right In: -498.710+/-2.434 χ²/NDF: 2552.7/18
Left Out: -493.722+/-2.295 χ²/NDF:3150.0/23
Right Out: -499.345+/-2.109 χ²/NDF: 7458.8/22
Left In: -501.425+/-2.306 χ²/NDF:2689.3/22
Left: -497.555+/-1.627 χ²/NDF: 5844.9/46
Right: -499.072+/-1.594 χ²/NDF: 10011.6/41
In: -500.140+/-1.674 χ²/NDF:5242.7/41
Out: -496.770+/-1.553 χ²/NDF:10612.1/46
All: -498.329+/-1.138 χ²/NDF: 15856.9/88

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 23.984+/-2.519 χ^2/NDF: 199.9/18

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 31.883+/-2.294 χ^2/NDF: 270.1/22

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

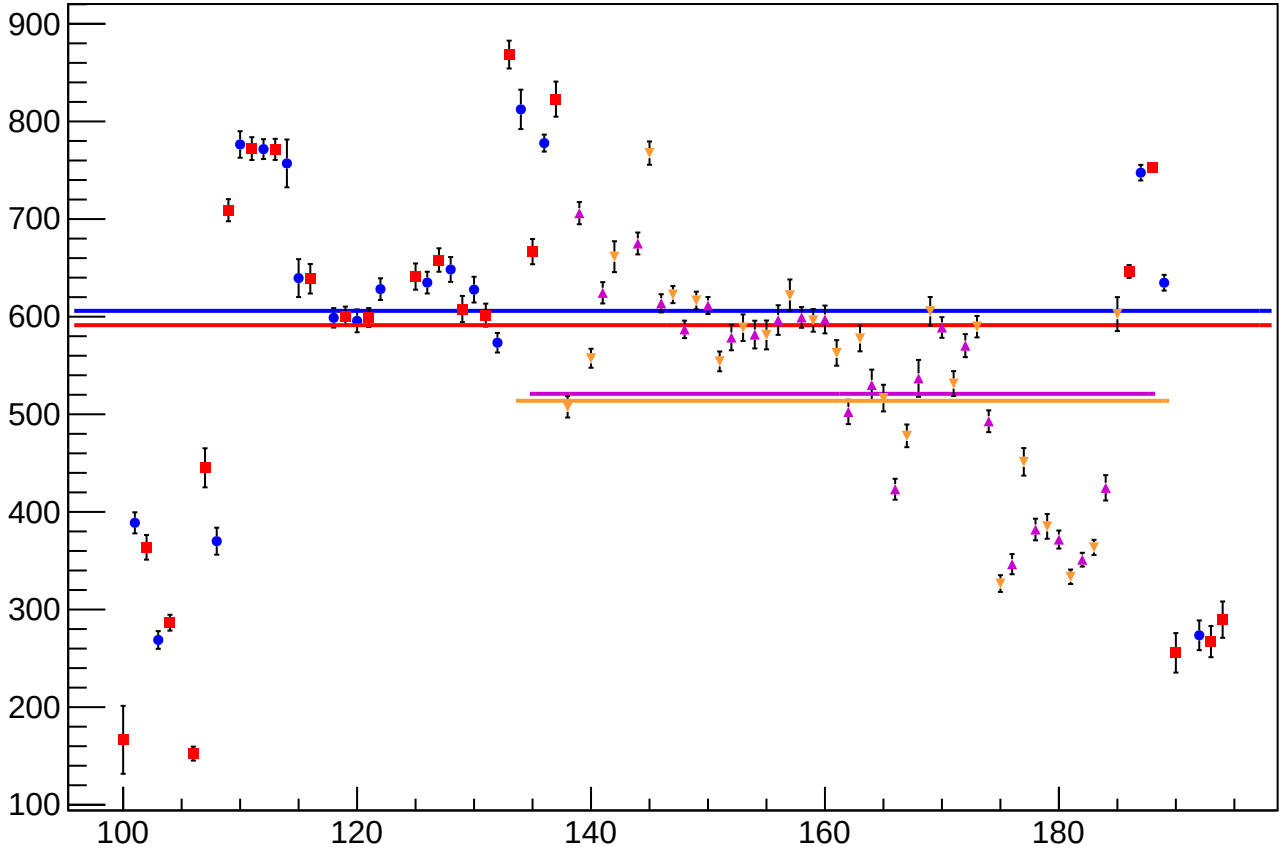
Right: 28.302+/-1.696 χ^2/NDF: 475.3/41

In: 8.982+/-1.421 χ^2/NDF:812.7/41

Out: 14.312+/-1.363 χ^2/NDF:1041.2/46

All: 11.758+/-0.984 χ^2/NDF: 1861.2/88

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 605.976+/-2.566 χ^2/NDF: 3877.8/18

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

Right Out: 591.321+/-2.116 χ^2/NDF: 9483.1/22

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

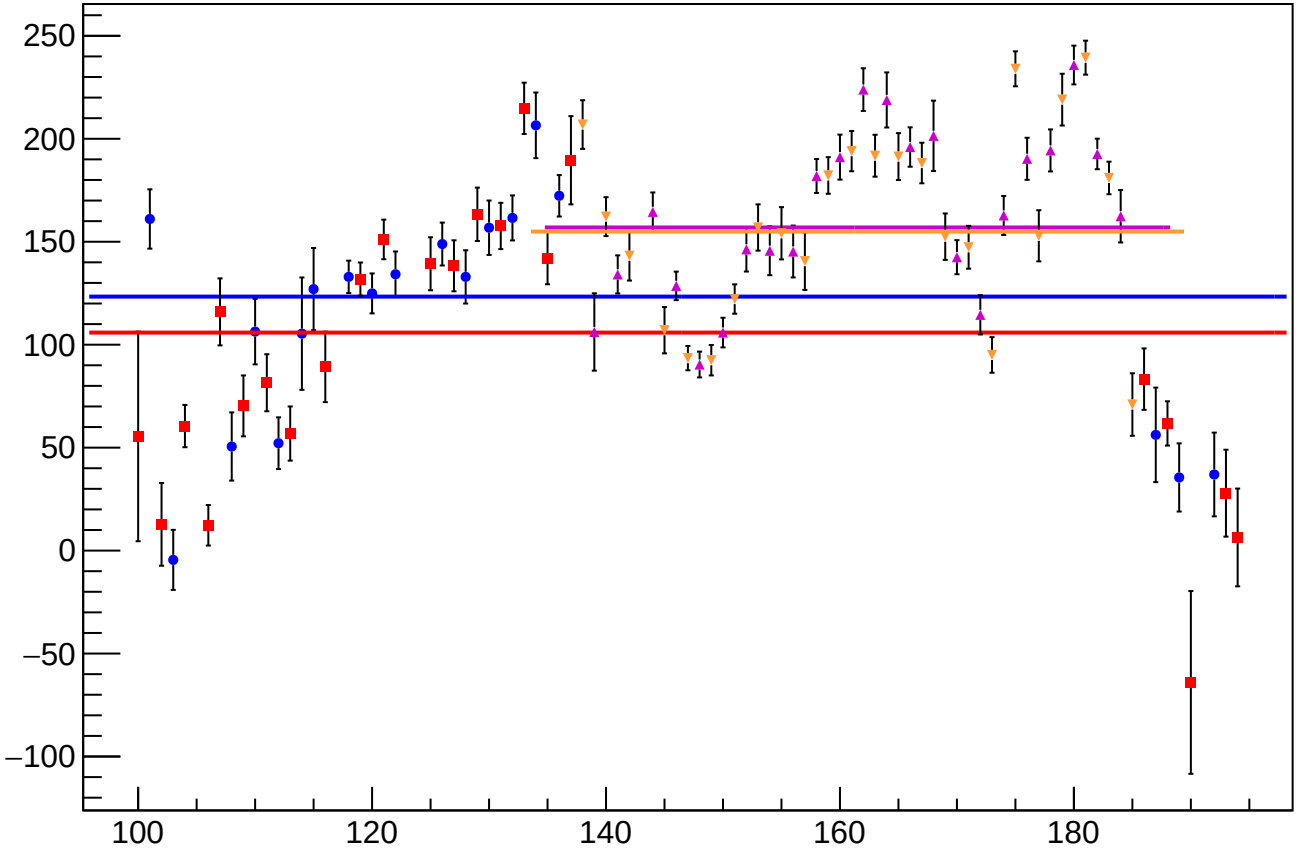
Right: 597.254+/-1.632 χ^2/NDF: 13380.4/41

In: 558.552+/-1.706 χ^2/NDF:6932.9/41

Out: 555.413+/-1.550 χ^2/NDF:12840.2/46

All: 556.833+/-1.147 χ^2/NDF: 19774.9/88

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 123.353+/-2.970 χ^2/NDF: 270.1/18

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

Right Out: 105.886+/-2.767 χ^2/NDF: 408.5/22

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

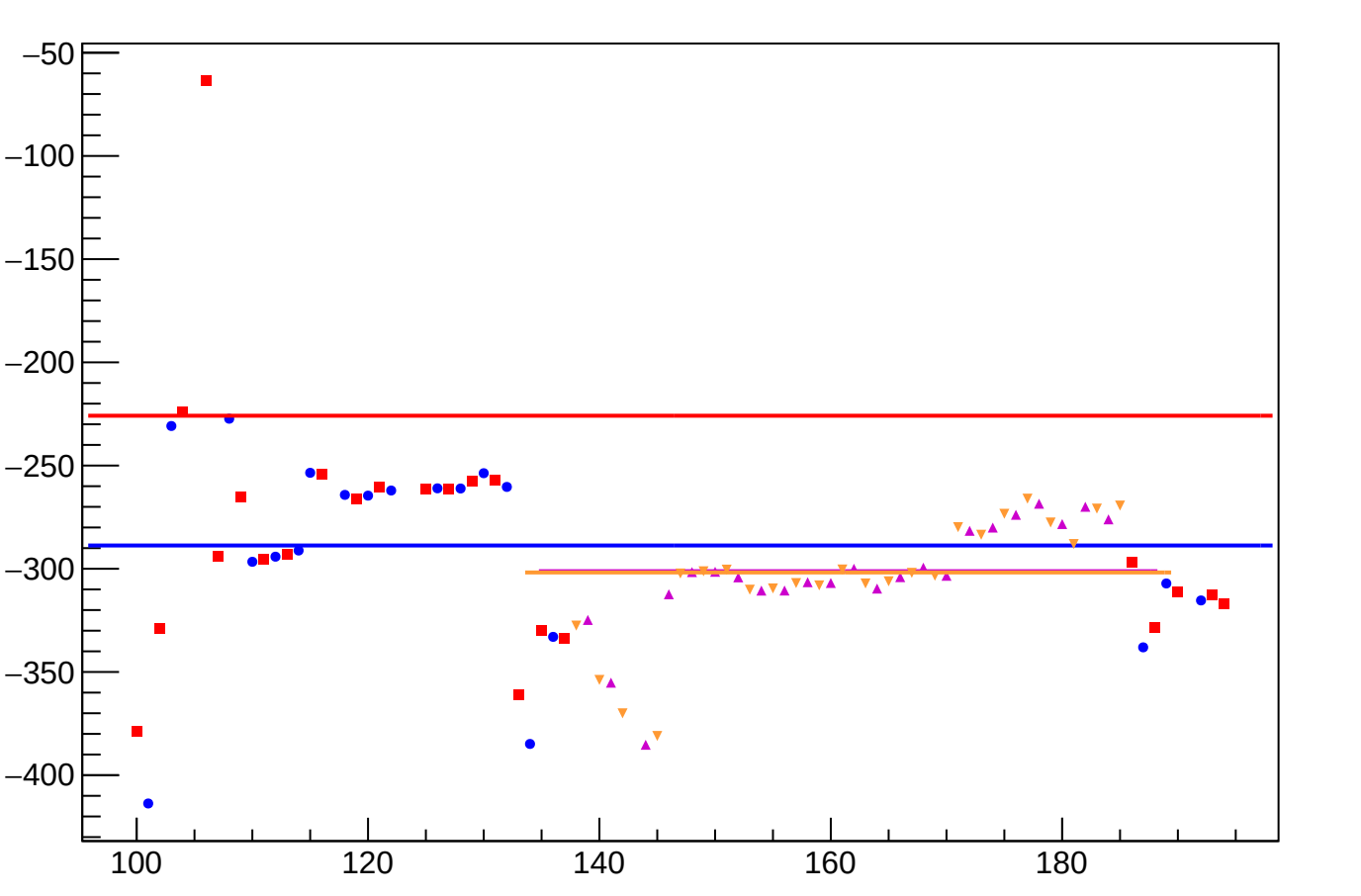
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 114.002+/-2.025 χ^2/NDF: 697.1/41

In: 146.668+/-1.642 χ^2/NDF:802.0/41

Out: 138.633+/-1.596 χ^2/NDF:1227.2/46

All: 142.534+/-1.144 χ^2/NDF: 2041.6/88



Right In: -288.724+/-0.166 χ^2/NDF: 108639.0/18

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -225.857+/-0.136 χ^2/NDF: 626401.7/22

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

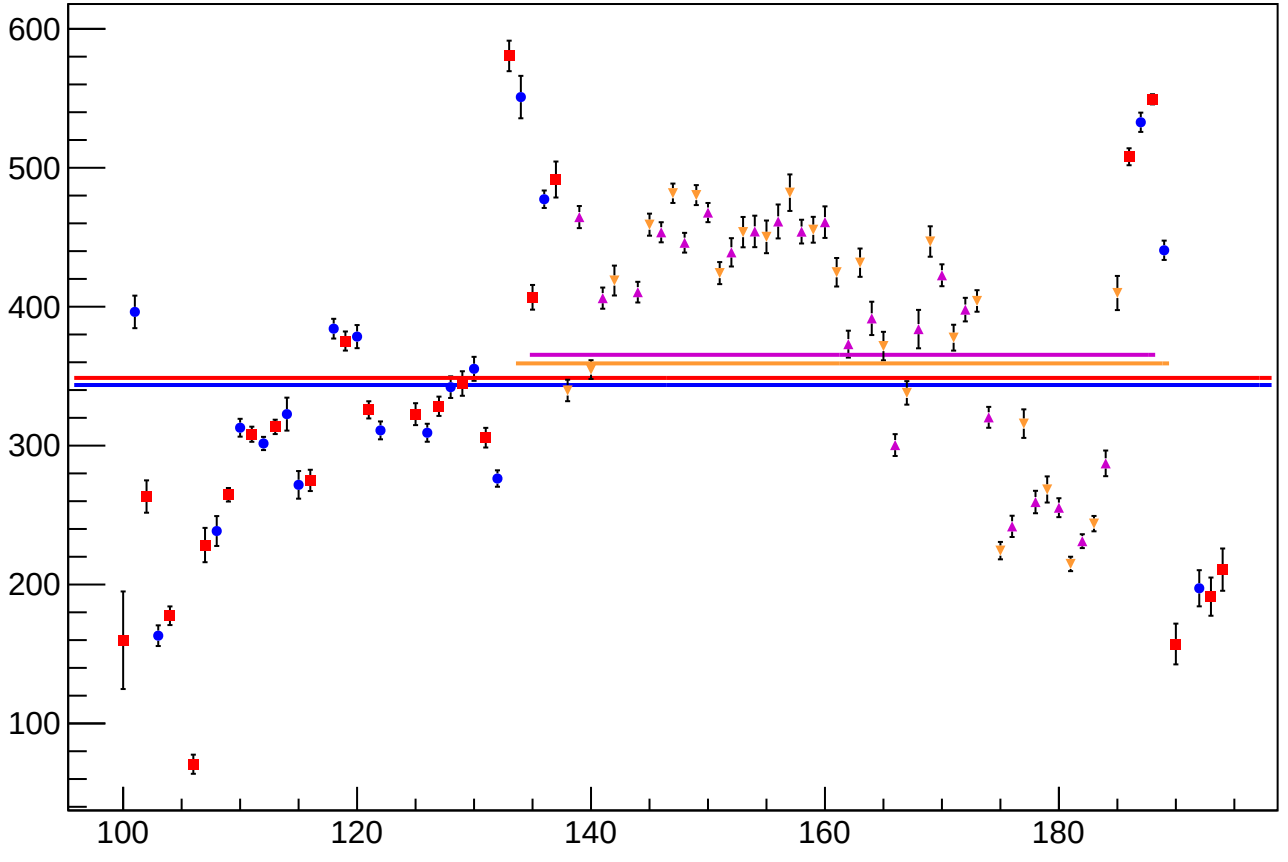
Right: -251.185+/-0.105 χ^2/NDF: 821037.0/41

In: -298.337+/-0.079 χ^2/NDF:188326.2/41

Out: -278.396+/-0.076 χ^2/NDF:928567.2/46

All: -287.906+/-0.055 χ^2/NDF: 1150140.7/88

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 343.632+/-1.721 χ^2/NDF: 2796.3/18

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

Right Out: 348.738+/-1.493 χ^2/NDF: 7731.8/22

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

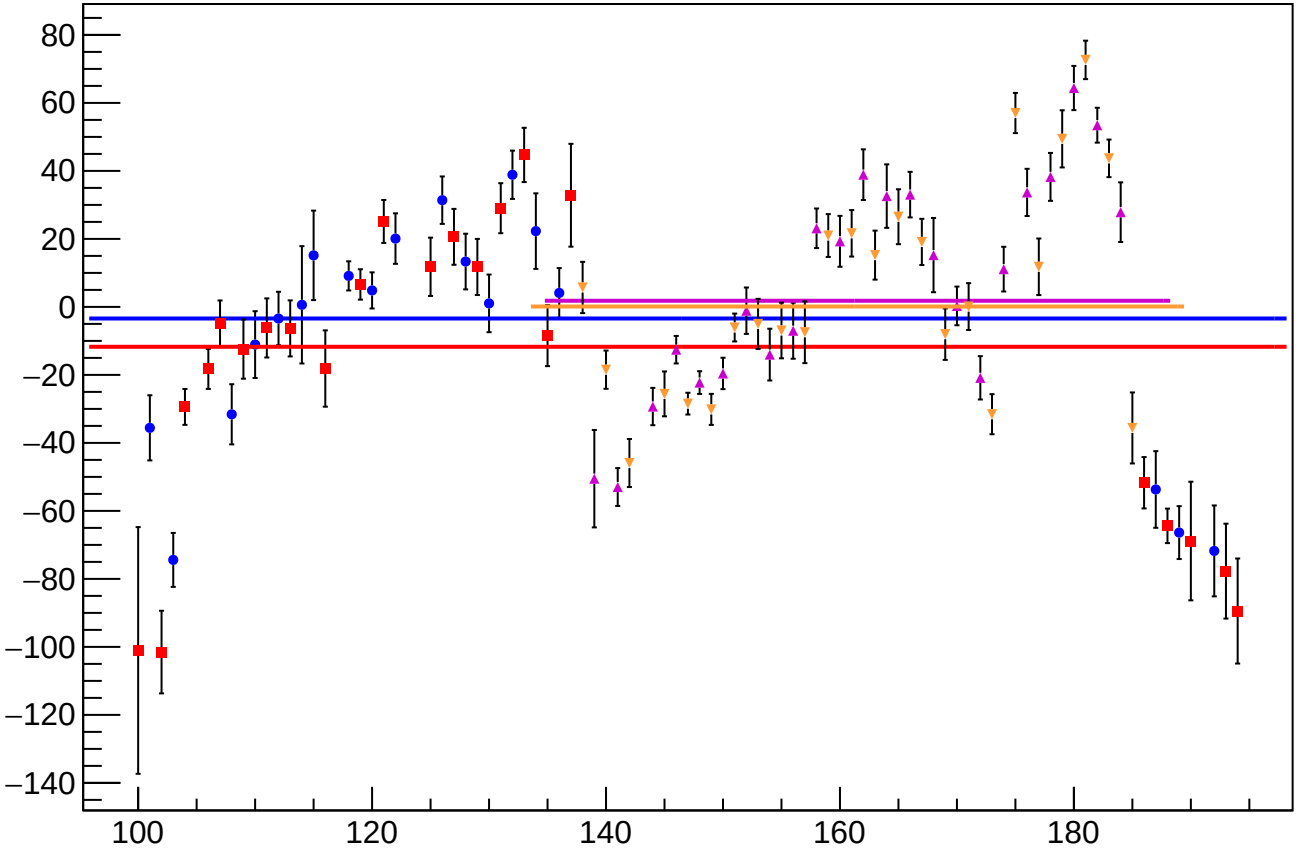
Right: 346.546+/-1.128 χ^2/NDF: 10533.2/41

In: 354.682+/-1.207 χ^2/NDF:5616.8/41

Out: 353.346+/-1.116 χ^2/NDF:10941.3/46

All: 353.962+/-0.820 χ^2/NDF: 16558.8/88

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.409+/-1.798 χ^2/NDF: 307.9/18

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

Right Out: -11.730+/-1.621 χ^2/NDF: 441.0/22

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

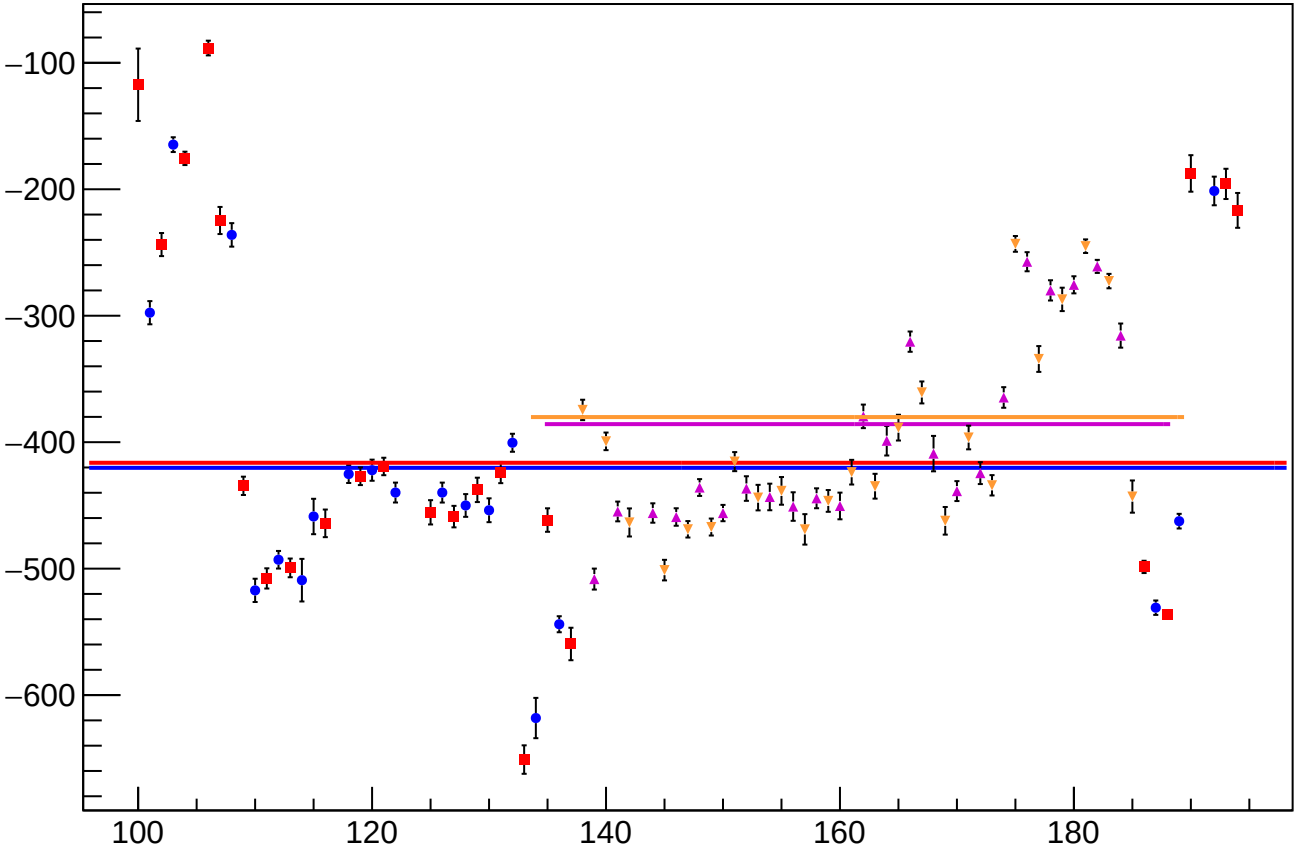
Right: -8.000+/-1.204 χ^2/NDF: 760.8/41

In: 0.080+/-1.036 χ^2/NDF:890.6/41

Out: -4.289+/-0.988 χ^2/NDF:1112.5/46

All: -2.207+/-0.715 χ^2/NDF: 2012.4/88

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -420.275+/-1.823 χ^2/NDF: 4122.0/18

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -416.286+/-1.506 χ^2/NDF: 9704.4/22

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

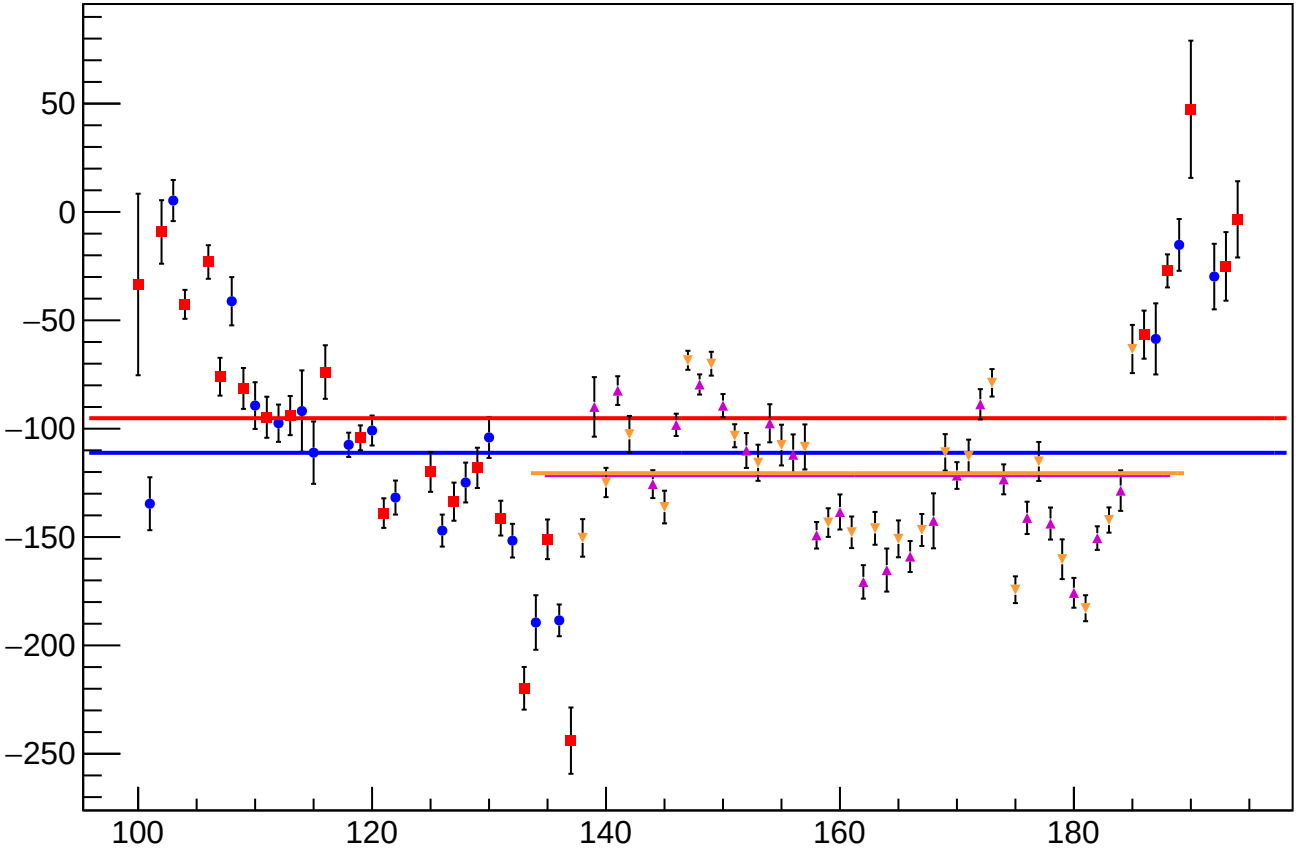
Right: -417.905+/-1.161 χ^2/NDF: 13829.2/41

In: -401.559+/-1.234 χ^2/NDF:6677.8/41

Out: -400.069+/-1.118 χ^2/NDF:12581.3/46

All: -400.741+/-0.829 χ^2/NDF: 19259.9/88

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -111.130+/-2.119 χ^2/NDF: 518.7/18

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

Right Out: -95.161+/-1.953 χ^2/NDF: 754.9/22

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

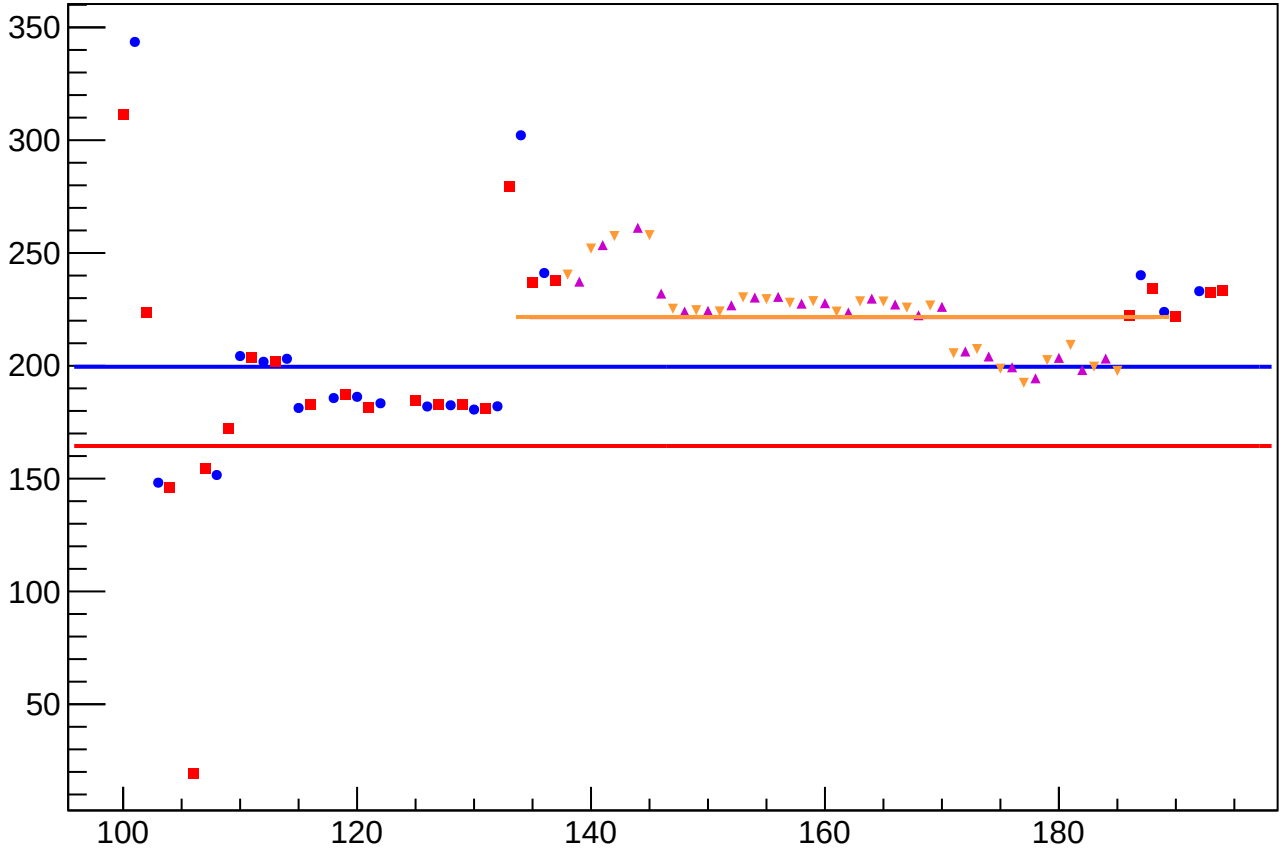
Right: -102.495+/-1.436 χ^2/NDF: 1304.3/41

In: -118.161+/-1.196 χ^2/NDF:967.5/41

Out: -111.638+/-1.156 χ^2/NDF:1476.0/46

All: -114.789+/-0.832 χ^2/NDF: 2458.9/88

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 199.577+/-0.117 χ^2/NDF: 186872.7/18

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

Right Out: 164.466+/-0.101 χ^2/NDF: 589795.6/22

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

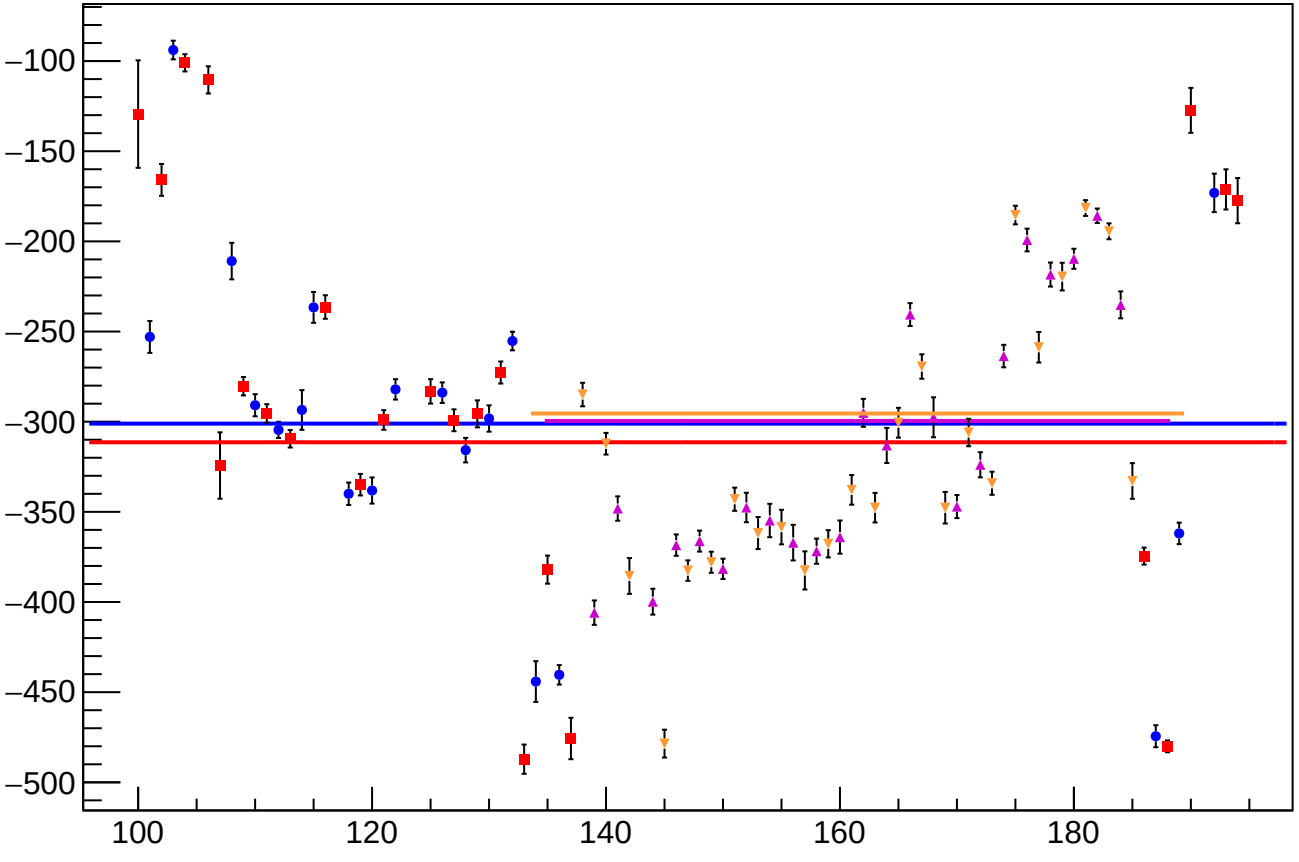
Right: 179.388+/-0.076 χ^2/NDF: 828500.7/41

In: 216.234+/-0.058 χ^2/NDF:275787.1/41

Out: 204.183+/-0.056 χ^2/NDF:881702.5/46

All: 209.991+/-0.040 χ^2/NDF: 1180153.3/88

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -301.066+/-1.492 χ^2/NDF: 3822.0/18

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -311.400+/-1.319 χ^2/NDF: 7296.2/22

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

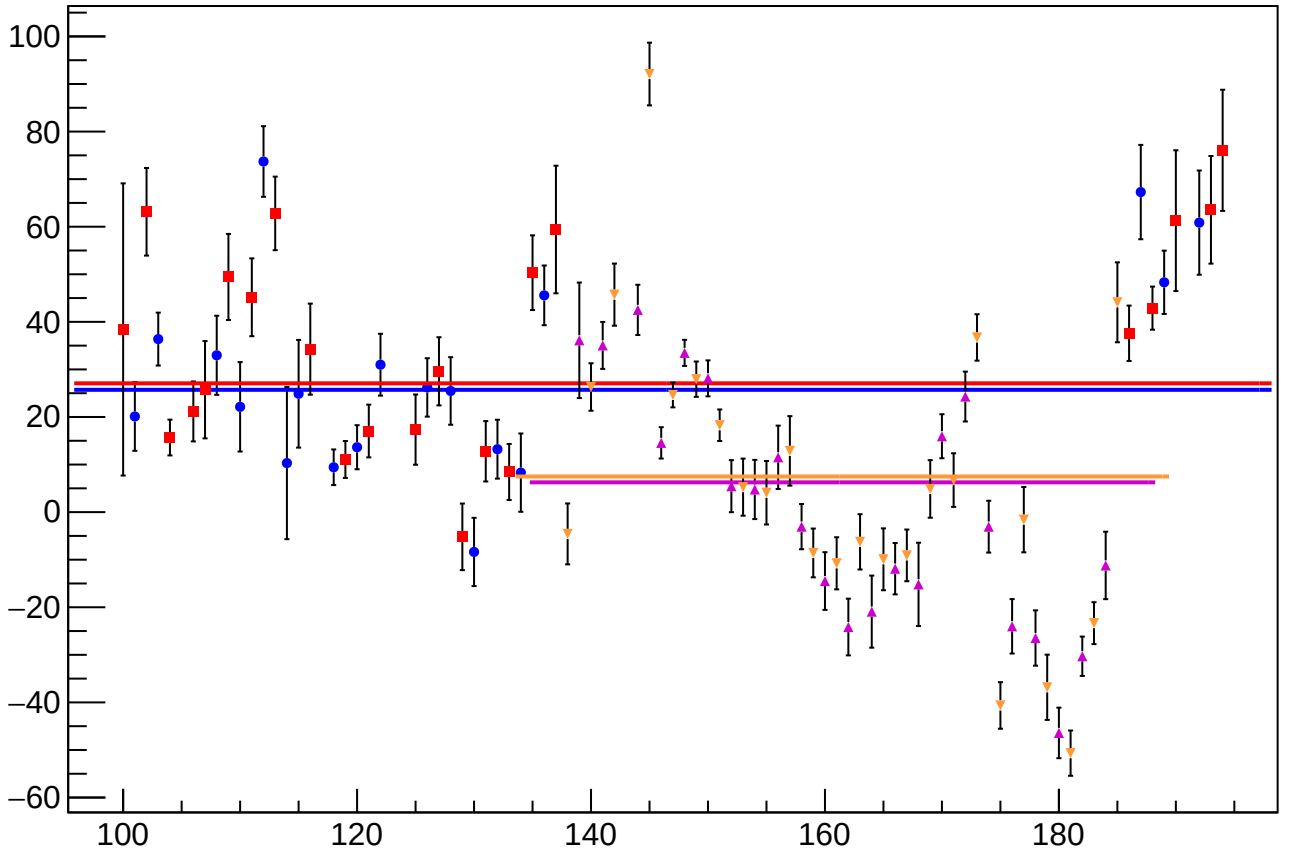
Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

Right: -306.867+/-0.988 χ^2/NDF: 11145.1/41

In: -300.278+/-1.020 χ^2/NDF:6794.2/41

Out: -303.863+/-0.958 χ^2/NDF:10711.5/46

All: -302.183+/-0.698 χ^2/NDF: 17512.3/88



Right In: 25.713+/-1.540 χ^2/NDF: 154.8/18

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 27.074+/-1.411 χ^2/NDF: 177.5/22

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

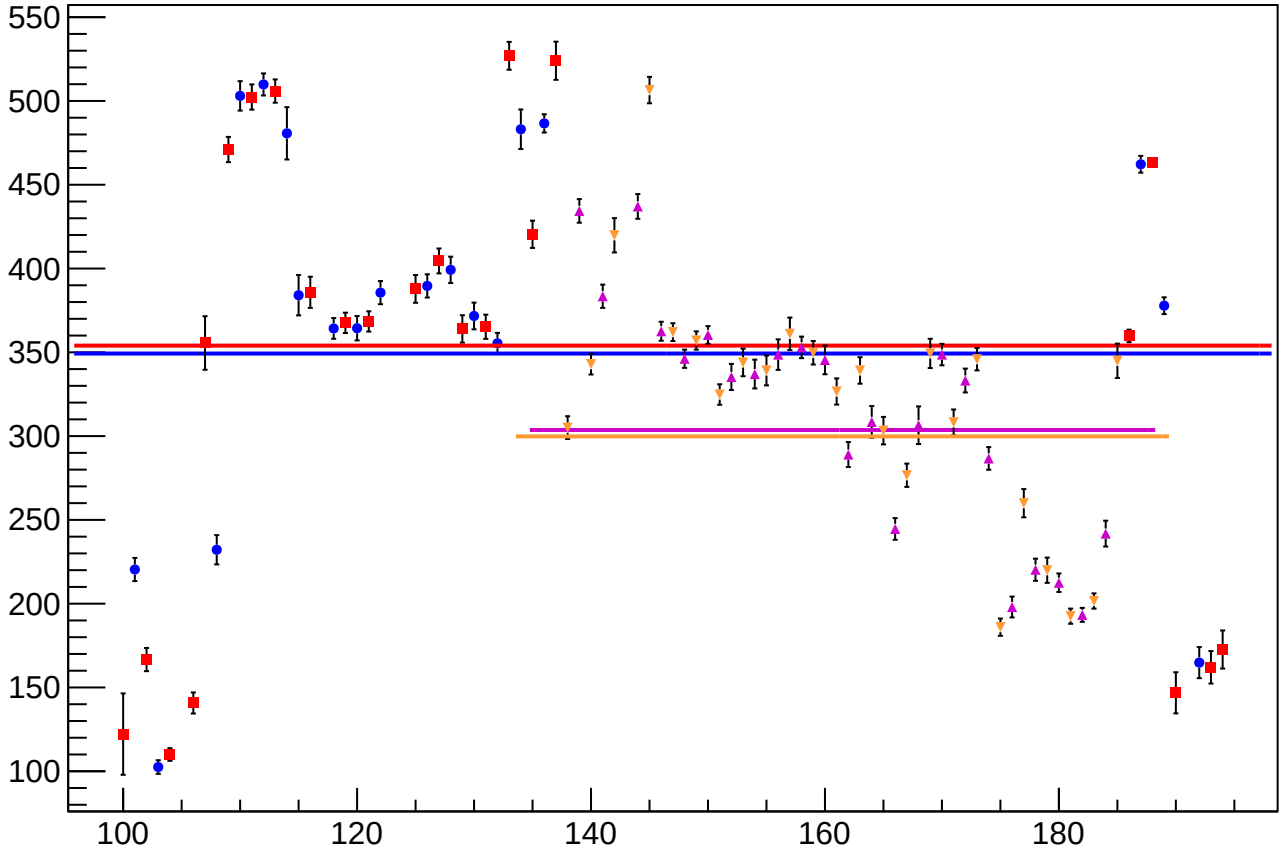
Right: 26.453+/-1.040 χ^2/NDF: 332.7/41

In: 12.393+/-0.865 χ^2/NDF:823.5/41

Out: 14.294+/-0.832 χ^2/NDF:1041.8/46

All: 13.381+/-0.599 χ^2/NDF: 1867.8/88

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 349.270+/-1.546 χ^2/NDF: 7015.1/18

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 354.001+/-1.304 χ^2/NDF: 10743.2/22

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

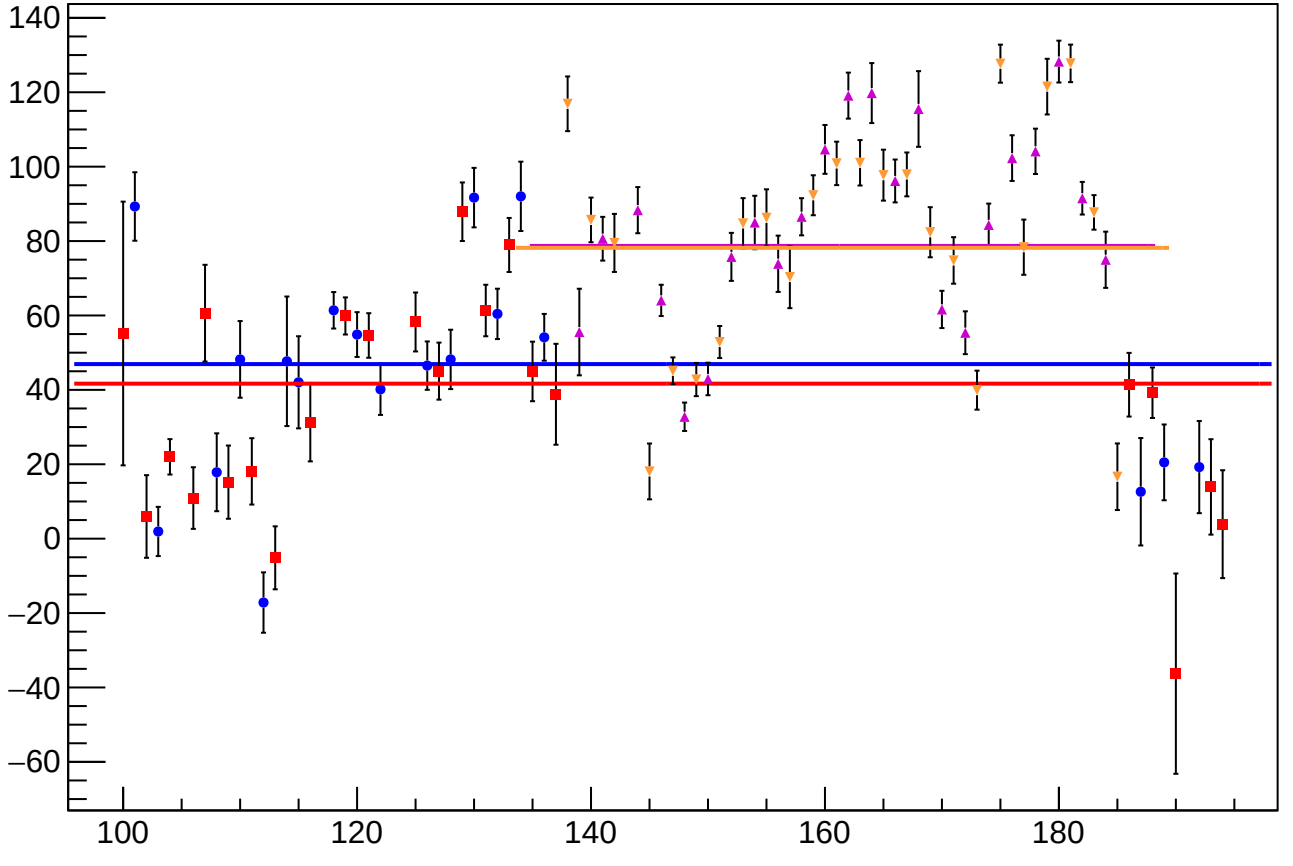
Right: 352.035+/-0.997 χ^2/NDF: 17763.7/41

In: 323.925+/-1.031 χ^2/NDF:10371.5/41

Out: 328.473+/-0.948 χ^2/NDF:14633.0/46

All: 326.388+/-0.698 χ^2/NDF: 25015.1/88

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 46.929+/-1.816 χ^2/NDF: 226.6/18

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

Right Out: 41.667+/-1.703 χ^2/NDF: 200.9/22

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

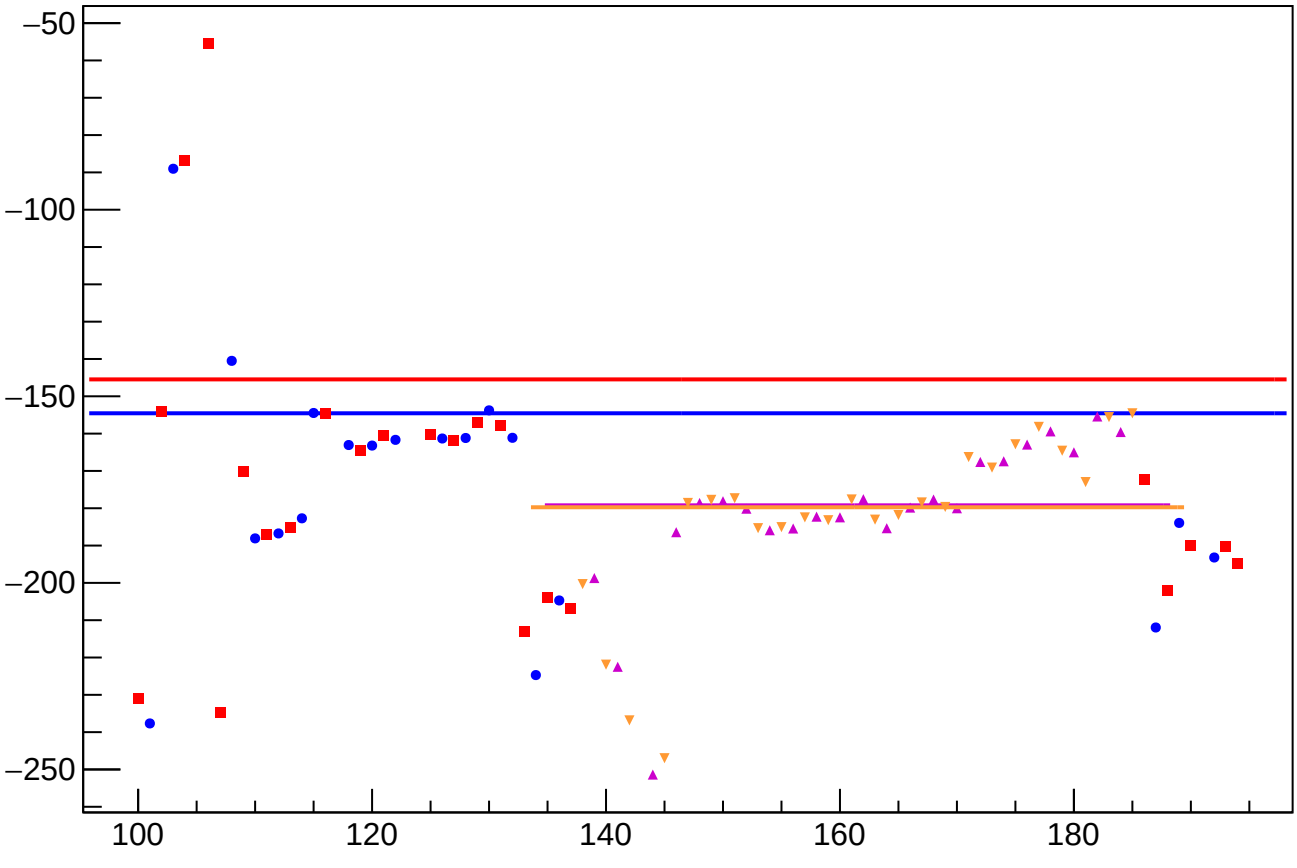
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 44.129+/-1.242 χ^2/NDF: 431.9/41

In: 69.095+/-0.998 χ^2/NDF:928.6/41

Out: 66.272+/-0.972 χ^2/NDF:1174.1/46

All: 67.646+/-0.697 χ^2/NDF: 2106.8/88



Right In: -154.550+/-0.095 χ^2/NDF: 277625.7/18

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

Right Out: -145.470+/-0.088 χ^2/NDF: 381544.3/22

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

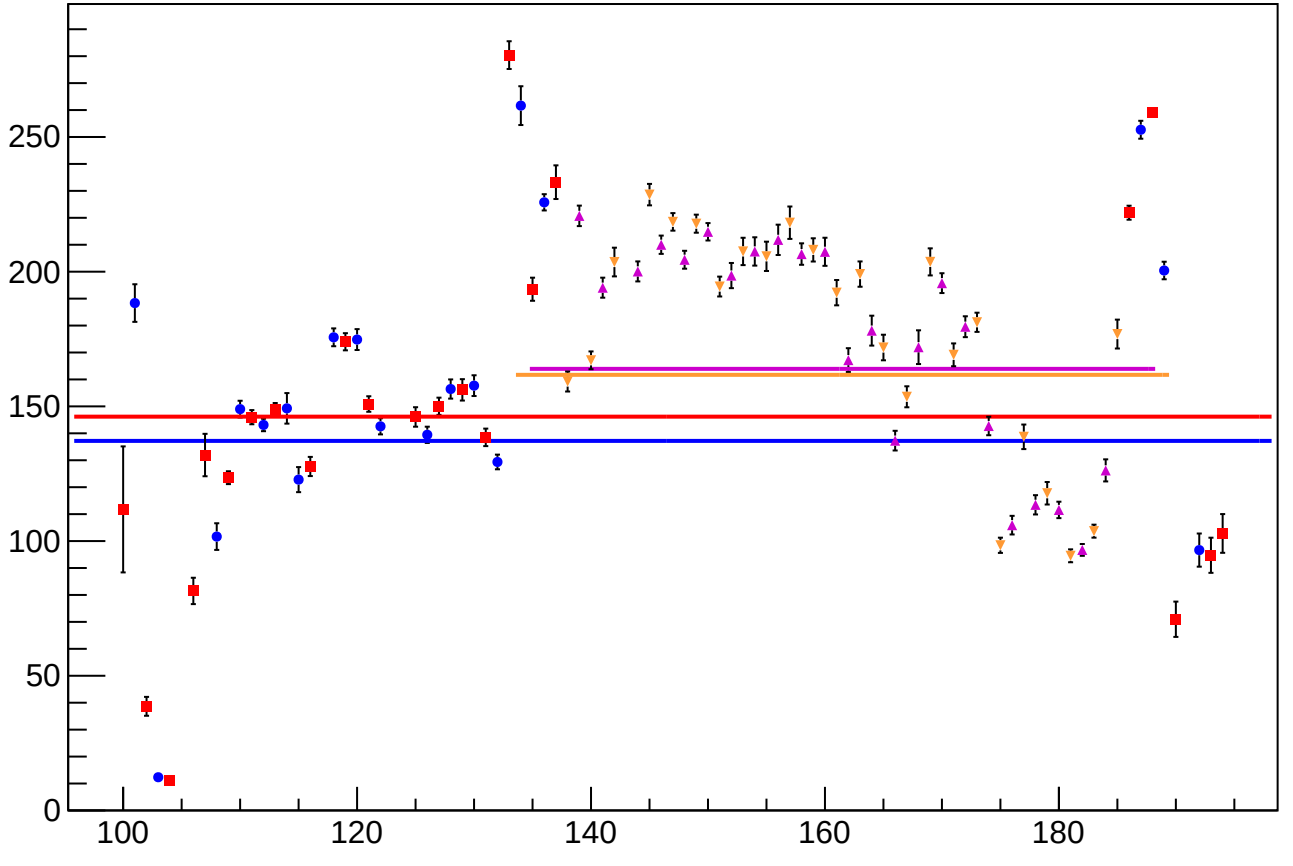
Right: -149.651+/-0.064 χ^2/NDF: 664112.0/41

In: -173.096+/-0.047 χ^2/NDF:441977.3/41

Out: -170.057+/-0.047 χ^2/NDF:623420.0/46

All: -171.555+/-0.033 χ^2/NDF: 1067493.7/88

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 137.185+/-0.760 χ^2/NDF: 7945.3/18

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

Right Out: 146.187+/-0.673 χ^2/NDF: 13005.7/22

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

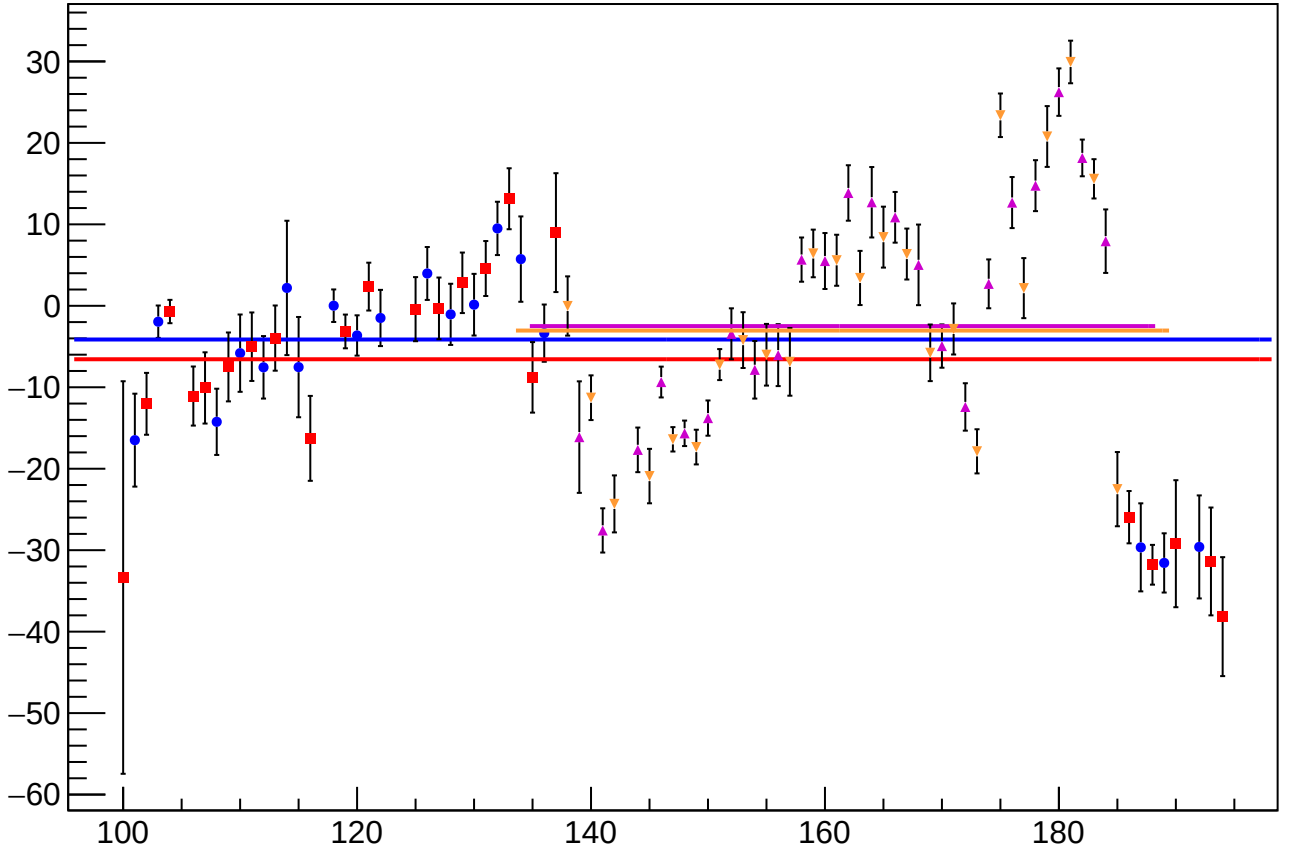
Right: 142.227+/-0.504 χ^2/NDF: 21029.5/41

In: 150.218+/-0.544 χ^2/NDF:11884.5/41

Out: 152.852+/-0.509 χ^2/NDF:16821.1/46

All: 151.624+/-0.372 χ^2/NDF: 28718.1/88

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.137+/-0.796 χ^2/NDF: 143.4/18

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

Right Out: -6.562+/-0.706 χ^2/NDF: 277.7/22

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

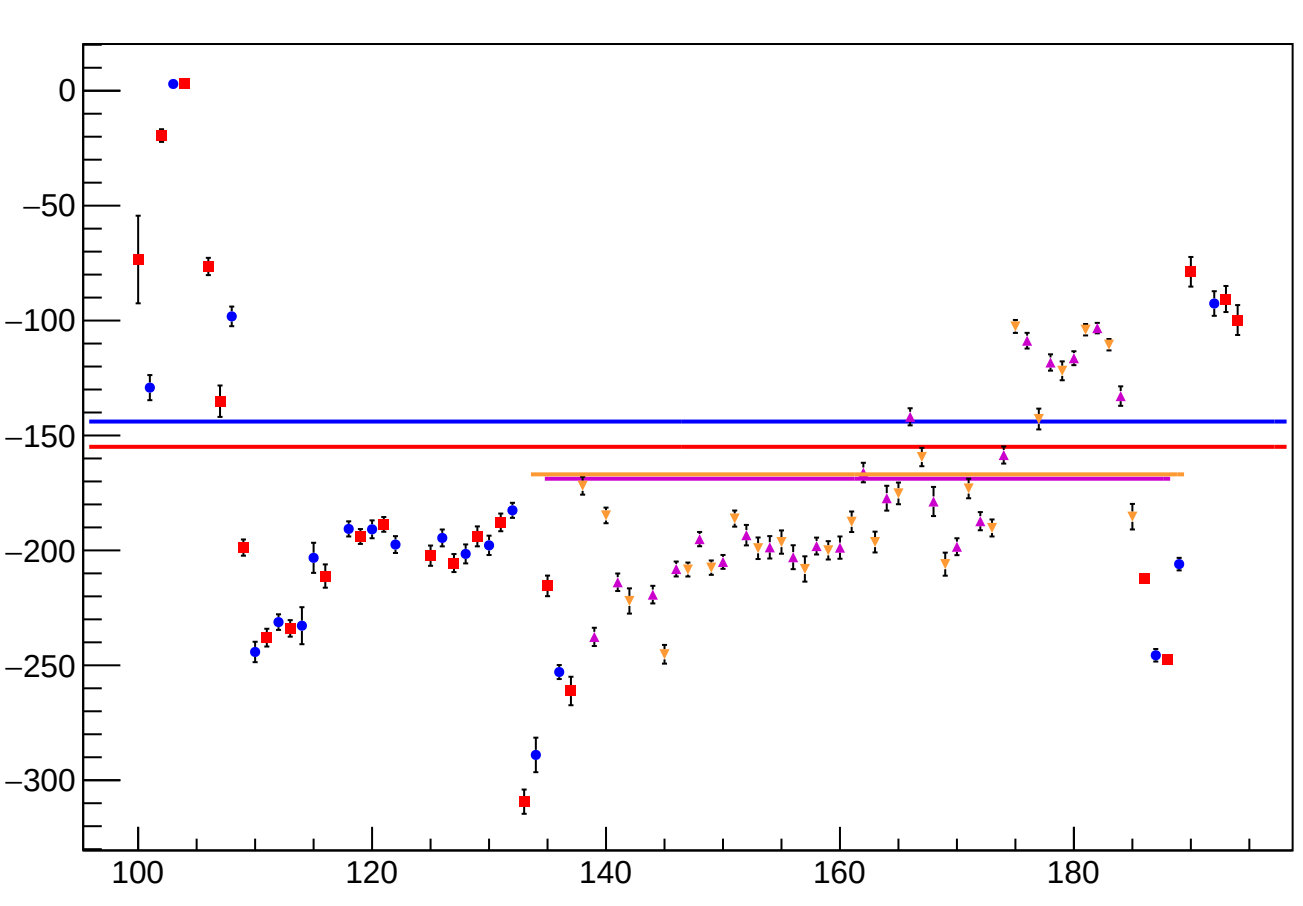
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

Right: -5.495+/-0.528 χ^2/NDF: 426.2/41

In: -3.071+/-0.472 χ^2/NDF:709.0/41

Out: -4.454+/-0.447 χ^2/NDF:947.1/46

All: -3.800+/-0.325 χ^2/NDF: 1660.6/88



Right In: -143.936+/-0.767 χ^2/NDF: 16973.2/18

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -154.934+/-0.656 χ^2/NDF: 23500.6/22

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

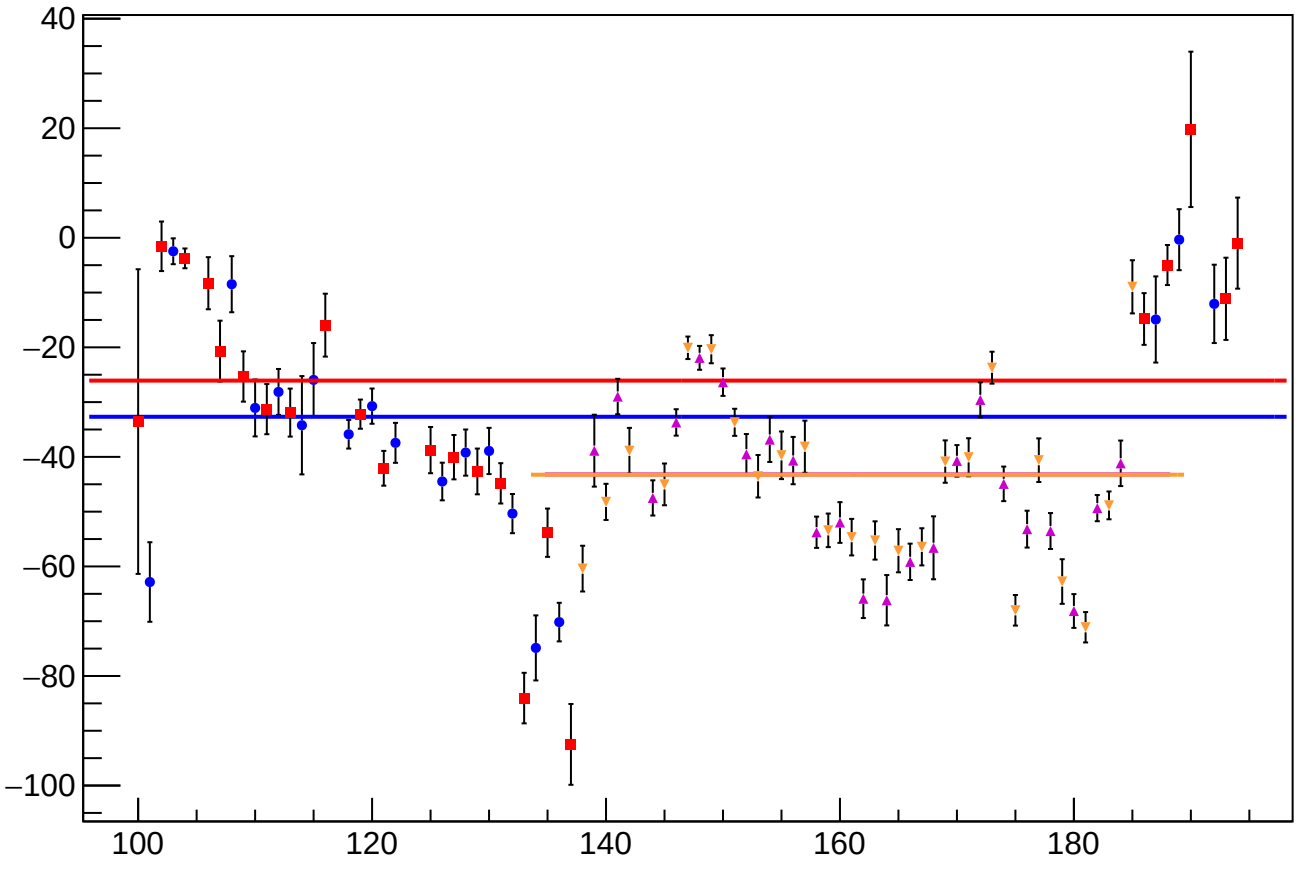
Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

Right: -150.290+/-0.499 χ^2/NDF: 40592.5/41

In: -156.289+/-0.544 χ^2/NDF:20554.7/41

Out: -159.964+/-0.500 χ^2/NDF:26736.9/46

All: -158.284+/-0.368 χ^2/NDF: 47316.3/88



Right In: -32.677+/-0.938 χ^2/NDF: 461.2/18

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

Right Out: -26.072+/-0.854 χ^2/NDF: 637.6/22

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

Left: -43.229+/-0.472 χ^2/NDF: 1016.0/46

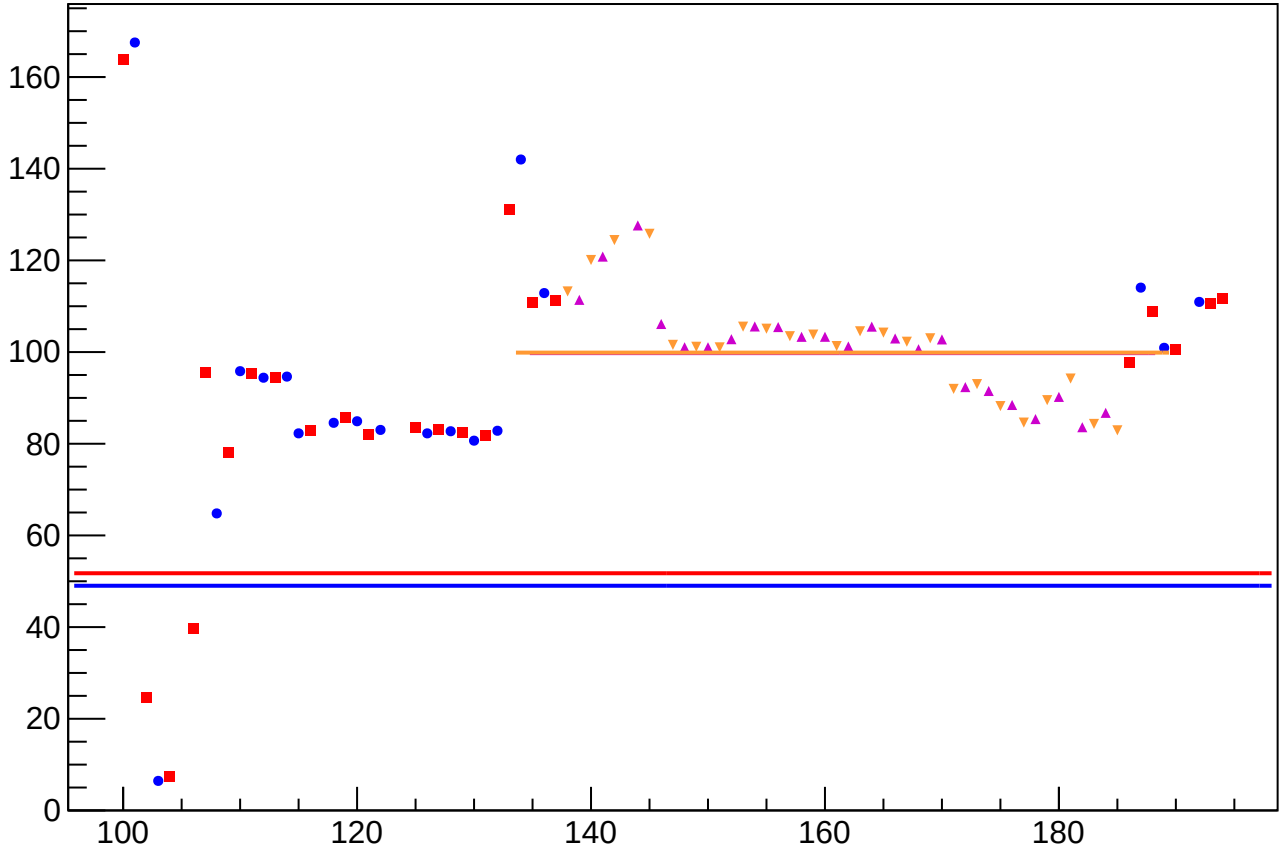
Right: -29.063+/-0.631 χ^2/NDF: 1125.9/41

In: -39.652+/-0.545 χ^2/NDF:950.5/41

Out: -36.774+/-0.524 χ^2/NDF:1500.1/46

All: -38.156+/-0.378 χ^2/NDF: 2465.0/88

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 49.020+/-0.043 χ^2/NDF: 1234757.6/18

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

Right Out: 51.749+/-0.042 χ^2/NDF: 1086162.5/22

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

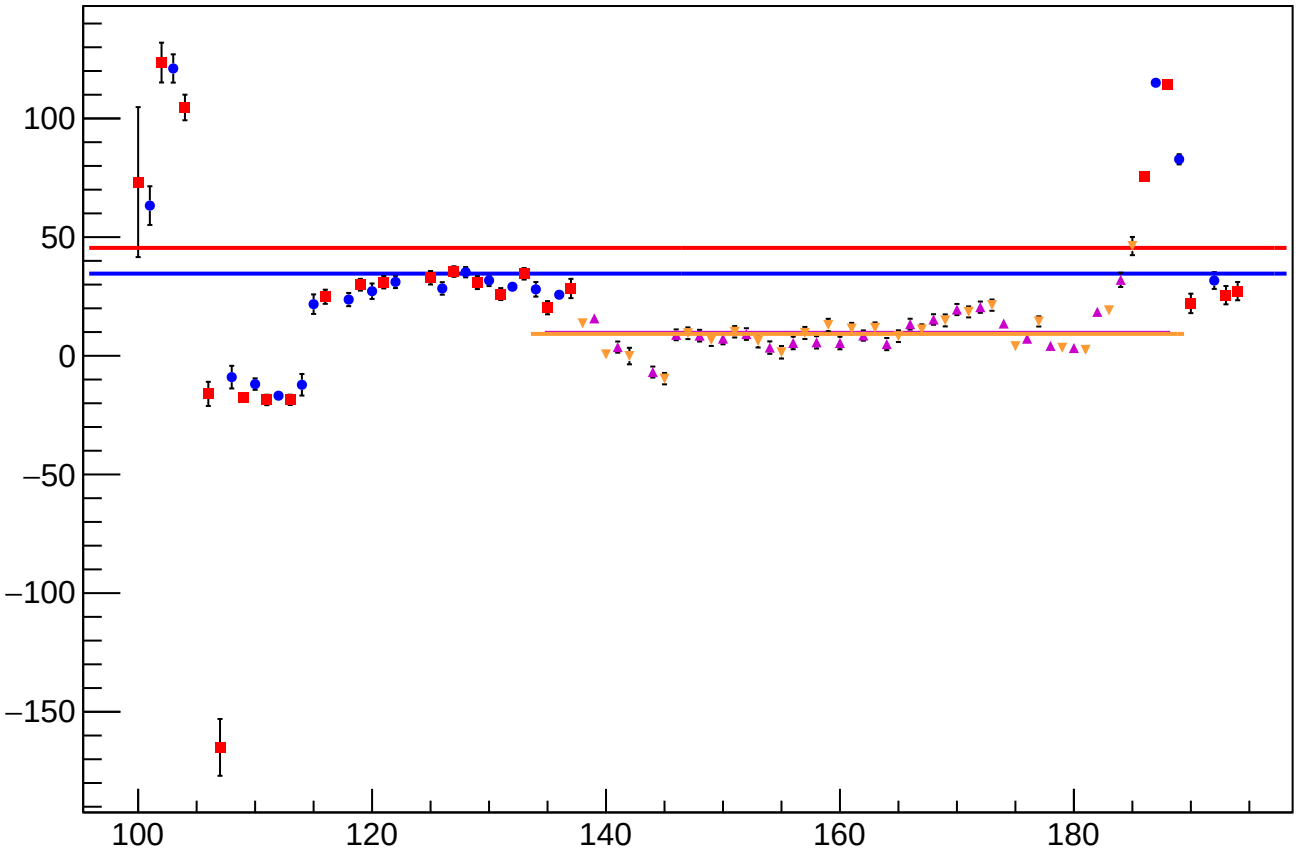
Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

Right: 50.426+/-0.030 χ^2/NDF: 2322974.4/41

In: 82.860+/-0.025 χ^2/NDF:2267566.5/41

Out: 83.026+/-0.025 χ^2/NDF:2066776.4/46

All: 82.943+/-0.018 χ^2/NDF: 4334365.0/88



Right In: 34.626+/-0.612 χ^2/NDF: 3644.1/18

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

Right Out: 45.468+/-0.523 χ^2/NDF: 7778.4/22

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

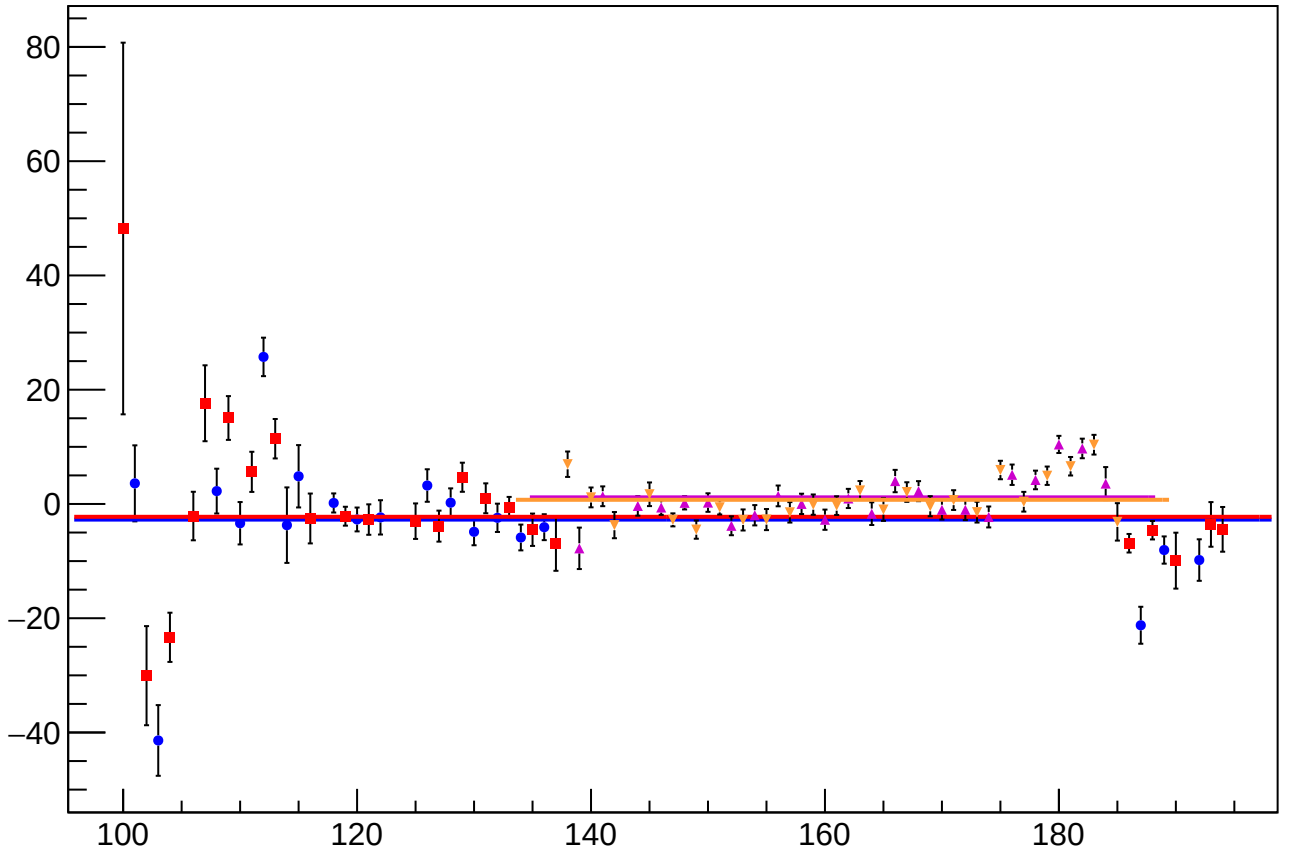
Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

Right: 40.888+/-0.398 χ^2/NDF: 11603.9/41

In: 18.746+/-0.369 χ^2/NDF:4949.3/41

Out: 24.888+/-0.344 χ^2/NDF:10830.0/46

All: 22.031+/-0.252 χ^2/NDF: 15927.6/88



Right In: -2.735+/-0.646 χ^2/NDF: 168.5/18

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -2.247+/-0.587 χ^2/NDF: 111.7/22

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

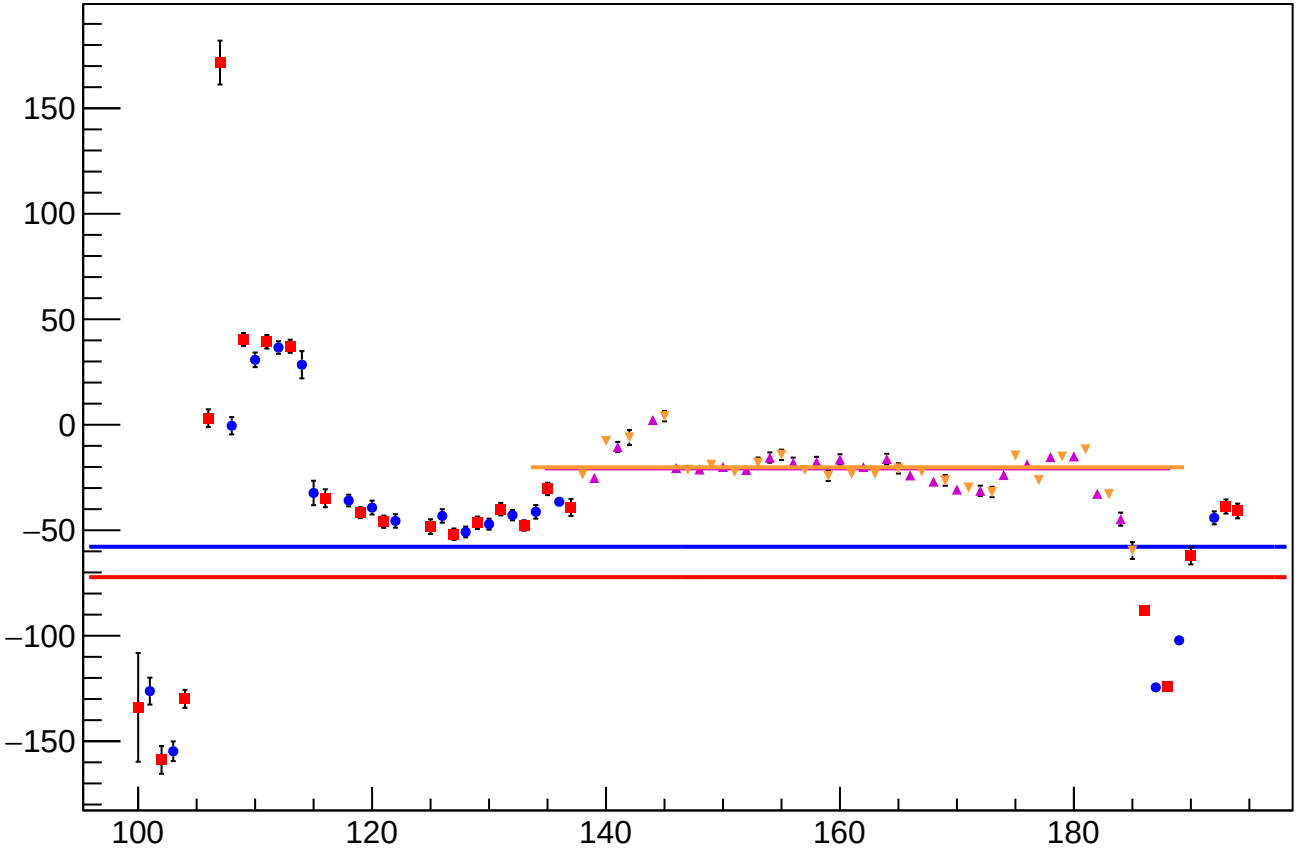
Right: -2.468+/-0.435 χ^2/NDF: 280.5/41

In: 0.245+/-0.313 χ^2/NDF:306.7/41

Out: -0.049+/-0.300 χ^2/NDF:240.4/46

All: 0.092+/-0.217 χ^2/NDF: 547.6/88

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -57.823+/-0.644 χ^2/NDF: 5240.5/18

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -72.238+/-0.511 χ^2/NDF: 9442.4/22

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

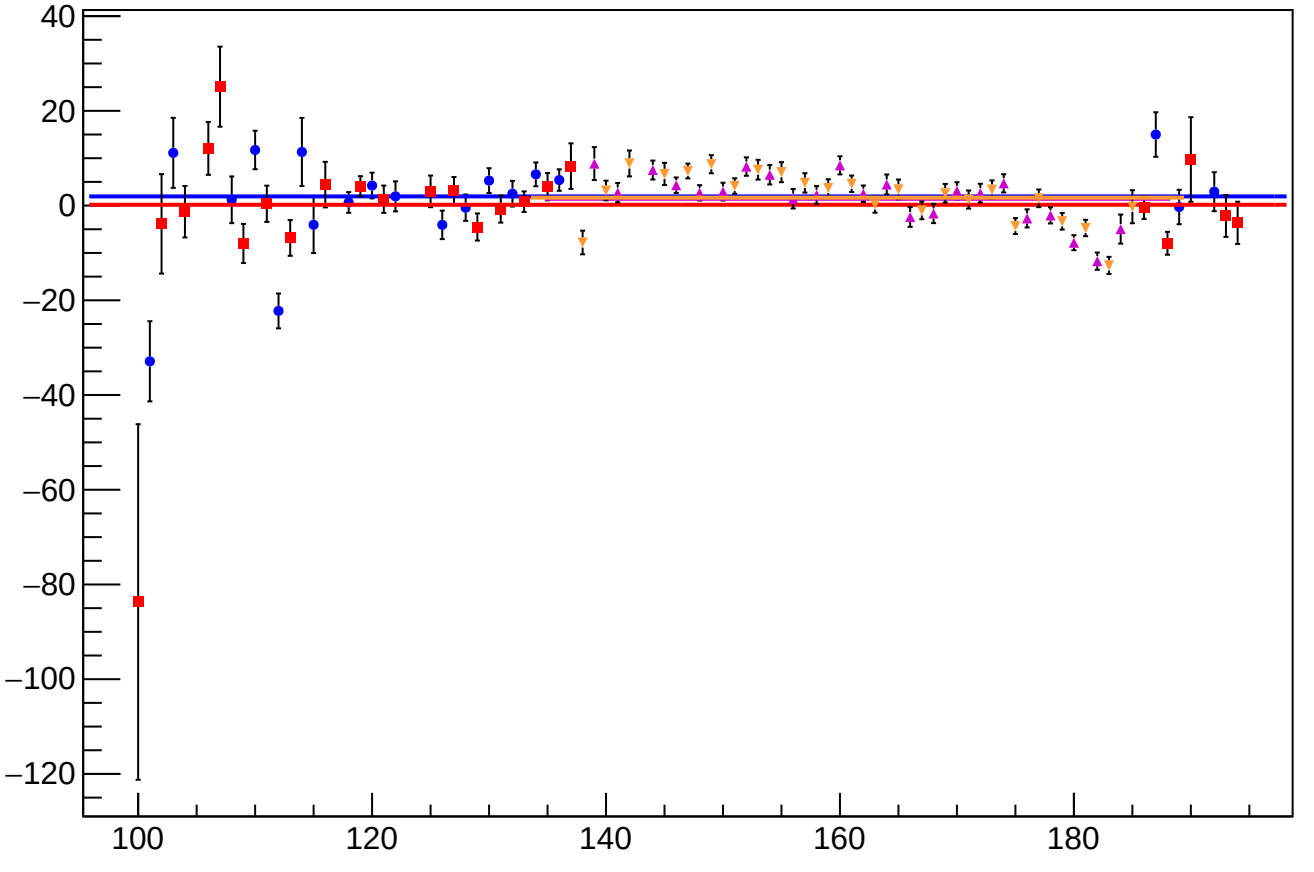
Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

Right: -66.667+/-0.400 χ^2/NDF: 14990.6/41

In: -33.157+/-0.373 χ^2/NDF:7763.1/41

Out: -43.052+/-0.339 χ^2/NDF:15689.9/46

All: -38.580+/-0.251 χ^2/NDF: 23838.9/88



Right In: 1.935+/-0.755 χ^2/NDF: 91.6/18

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

Right Out: 0.169+/-0.714 χ^2/NDF: 53.0/22

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

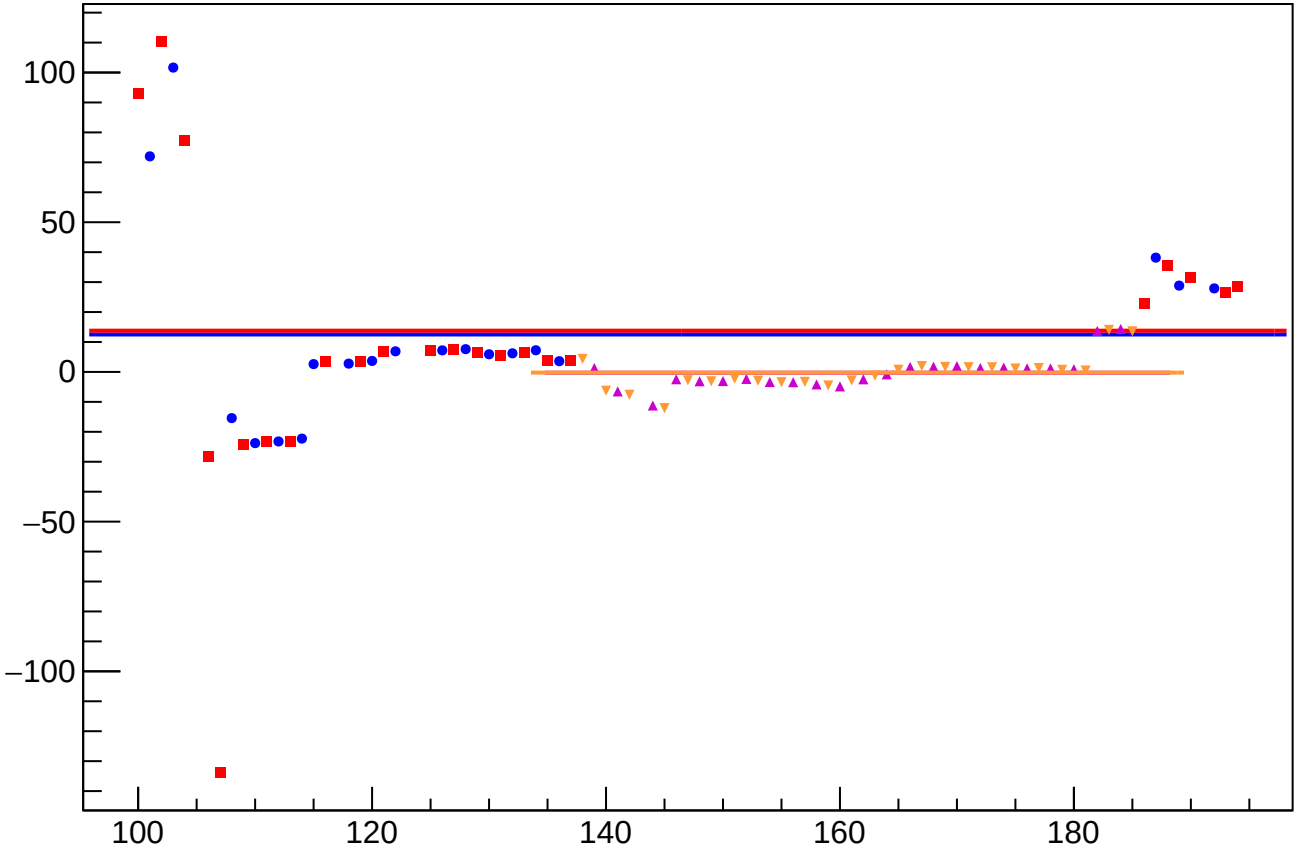
Right: 1.003+/-0.519 χ^2/NDF: 147.5/41

In: 1.540+/-0.355 χ^2/NDF:254.7/41

Out: 1.319+/-0.346 χ^2/NDF:234.4/46

All: 1.427+/-0.248 χ^2/NDF: 489.3/88

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 12.509+/-0.043 χ^2/NDF: 354597.0/18

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 13.778+/-0.041 χ^2/NDF: 535315.1/22

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

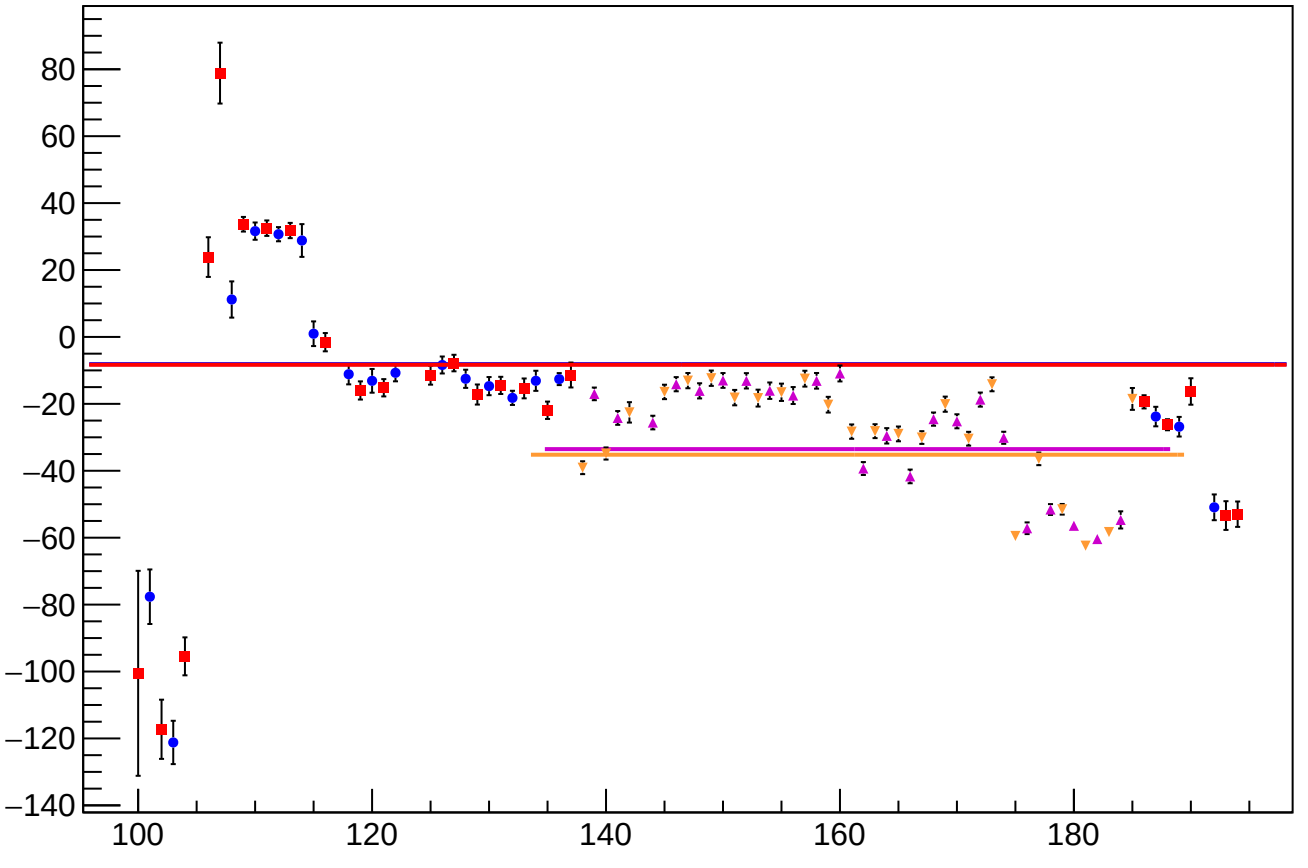
Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

Right: 13.176+/-0.030 χ^2/NDF: 890366.8/41

In: 1.576+/-0.016 χ^2/NDF:502346.7/41

Out: 1.961+/-0.016 χ^2/NDF:714887.1/46

All: 1.771+/-0.012 χ^2/NDF: 1217512.4/88



Right In: -8.132+/-0.663 χ^2/NDF: 1263.2/18

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

Right Out: -8.319+/-0.599 χ^2/NDF: 1980.6/22

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

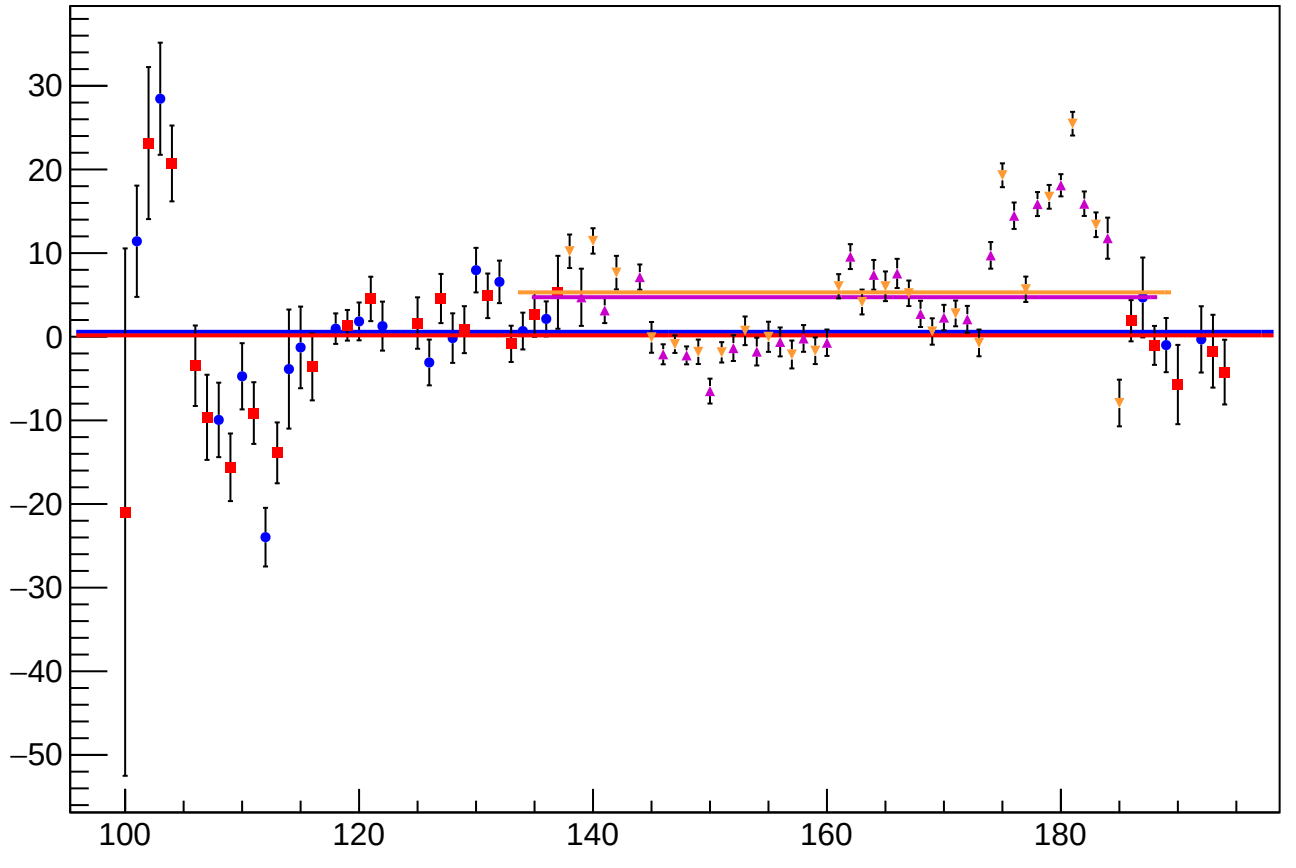
Left: -34.376+/-0.291 χ^2/NDF: 3665.2/46

Right: -8.235+/-0.444 χ^2/NDF: 3243.9/41

In: -26.409+/-0.351 χ^2/NDF:4125.9/41

Out: -26.672+/-0.337 χ^2/NDF:5207.5/46

All: -26.546+/-0.243 χ^2/NDF: 9333.7/88



Right In: 0.587+/-0.691 χ^2/NDF: 93.9/18

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

Right Out: 0.162+/-0.664 χ^2/NDF: 84.1/22

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

Left: 5.023+/-0.225 χ^2/NDF: 1122.0/46

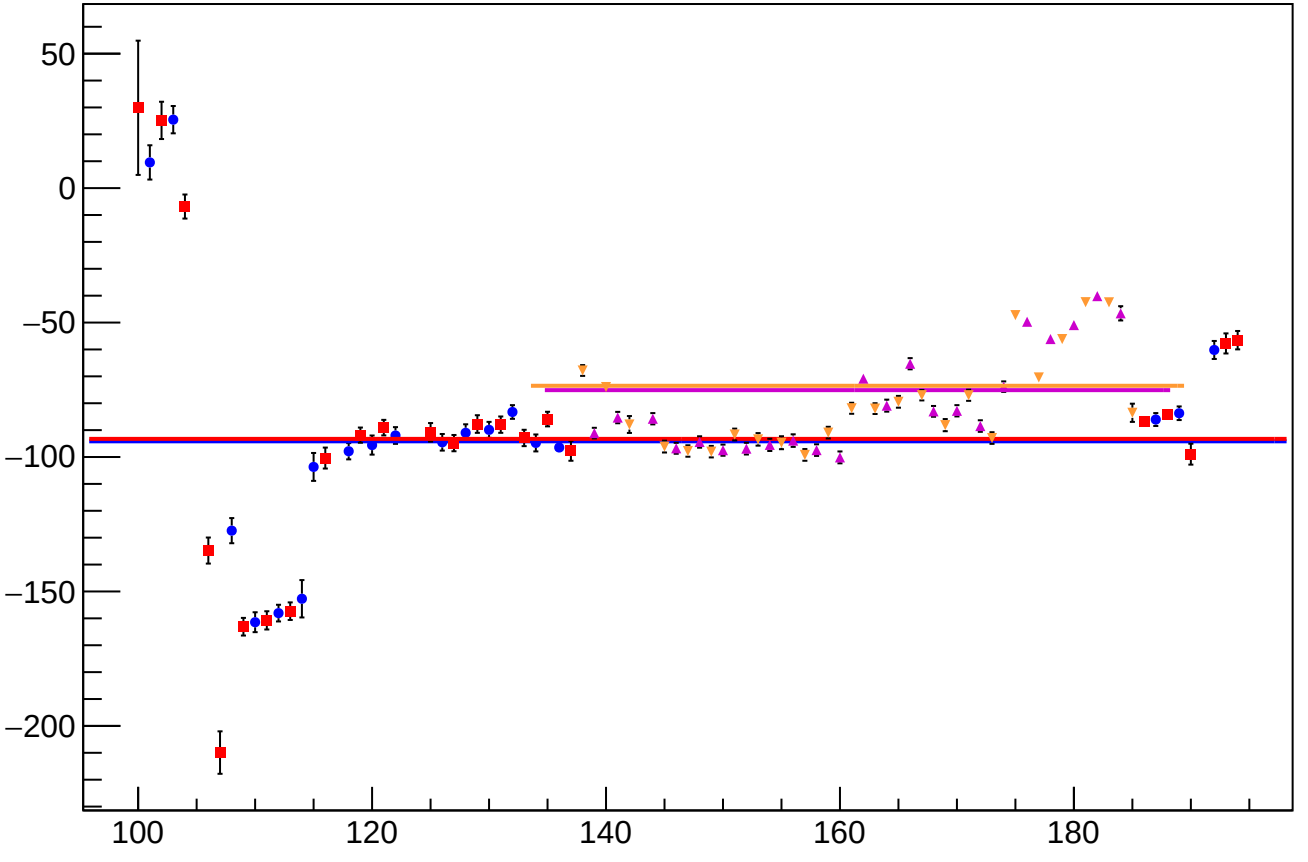
Right: 0.366+/-0.479 χ^2/NDF: 178.2/41

In: 3.991+/-0.291 χ^2/NDF:619.4/41

Out: 4.362+/-0.285 χ^2/NDF:757.5/46

All: 4.181+/-0.204 χ^2/NDF: 1377.7/88

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -94.163+/-0.719 χ^2/NDF: 1855.5/18

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

Right Out: -93.255+/-0.619 χ^2/NDF: 2506.4/22

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

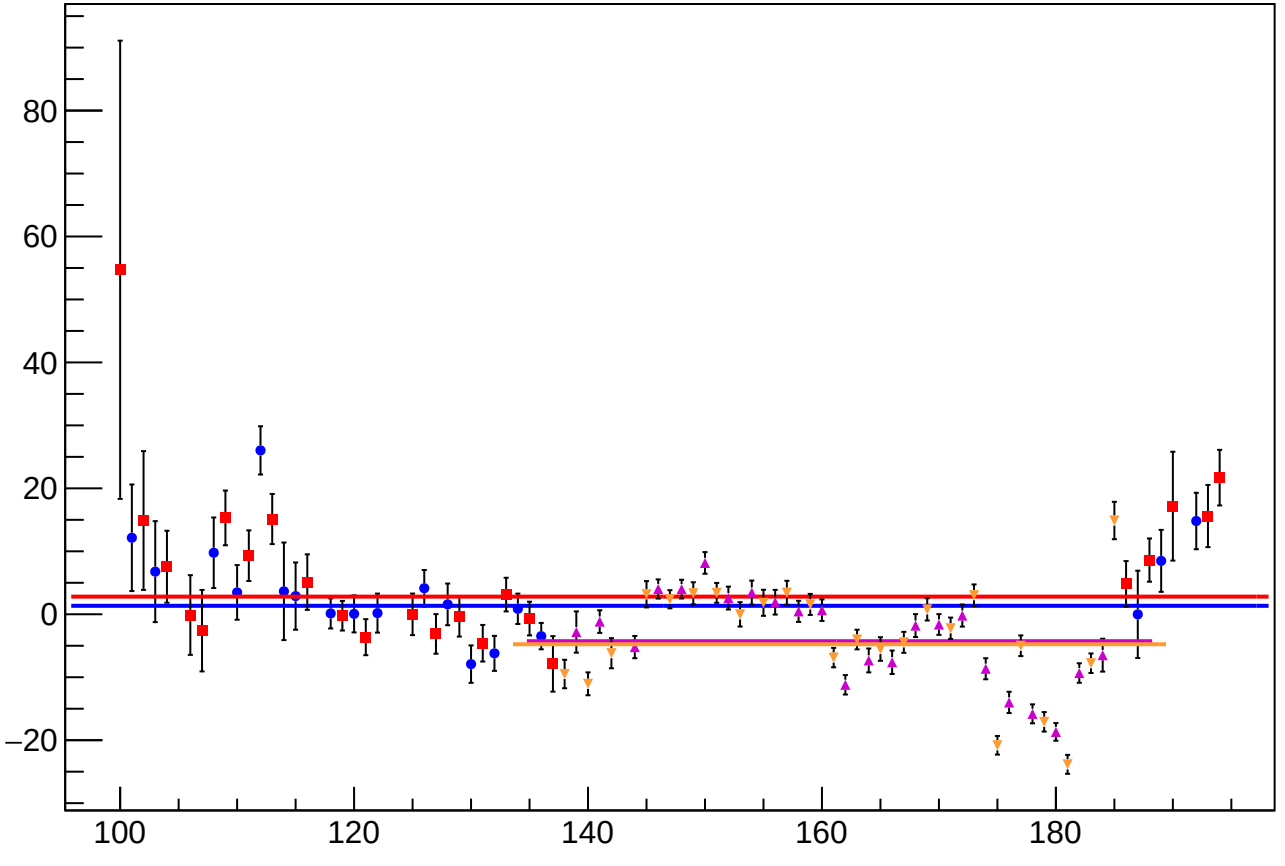
Right: -93.641+/-0.469 χ^2/NDF: 4362.8/41

In: -79.800+/-0.356 χ^2/NDF:4745.7/41

Out: -79.435+/-0.339 χ^2/NDF:5611.2/46

All: -79.608+/-0.246 χ^2/NDF: 10357.5/88

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 1.343+/-0.792 χ^2/NDF: 81.4/18

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

Right Out: 2.802+/-0.783 χ^2/NDF: 82.7/22

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

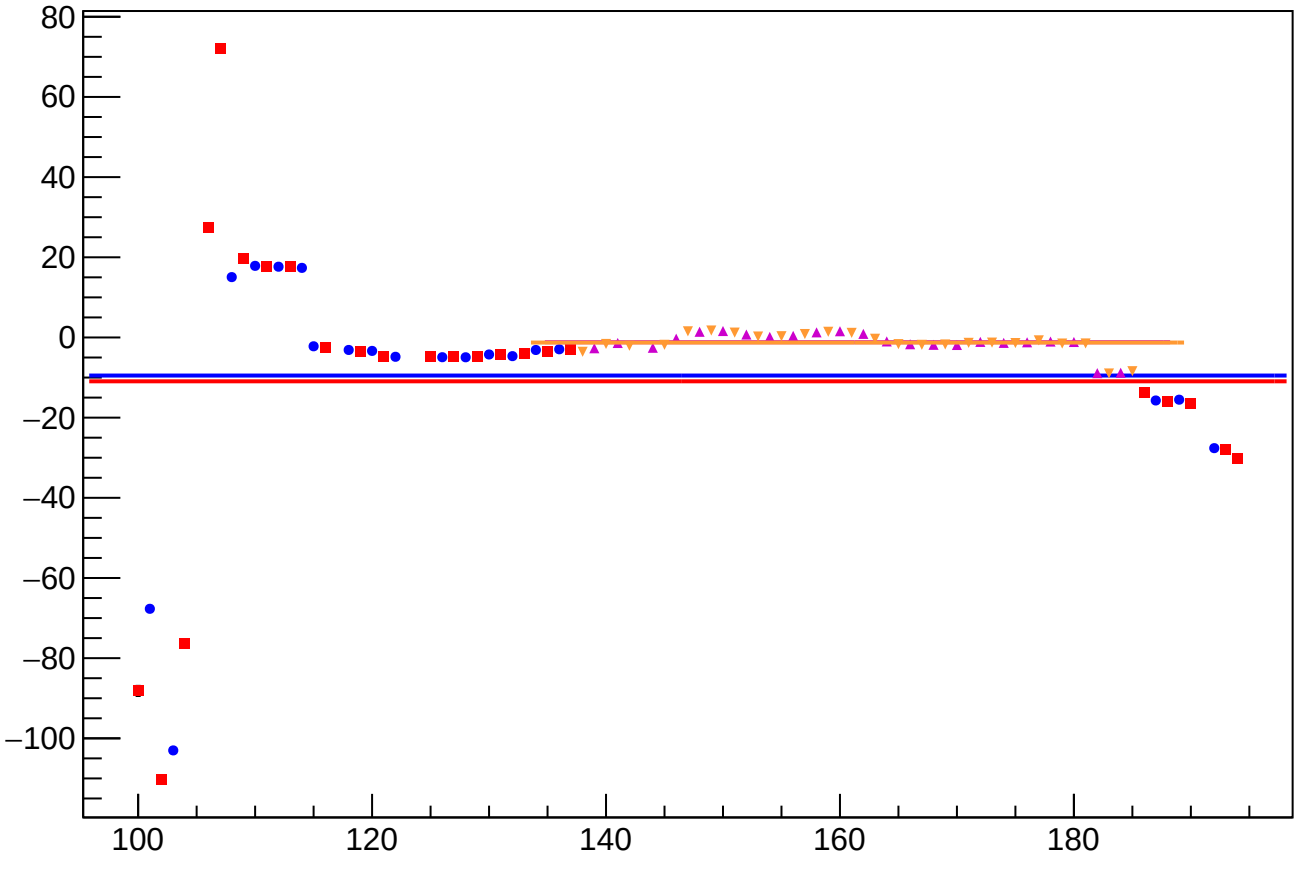
Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

Right: 2.081+/-0.557 χ^2/NDF: 165.8/41

In: -3.311+/-0.328 χ^2/NDF:547.2/41

Out: -3.474+/-0.323 χ^2/NDF:737.0/46

All: -3.394+/-0.230 χ^2/NDF: 1284.3/88



Right In: -9.498+/-0.044 χ^2/NDF: 285448.3/18

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -10.938+/-0.044 χ^2/NDF: 388881.7/22

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

Left: -1.224+/-0.011 χ^2/NDF: 49860.2/46

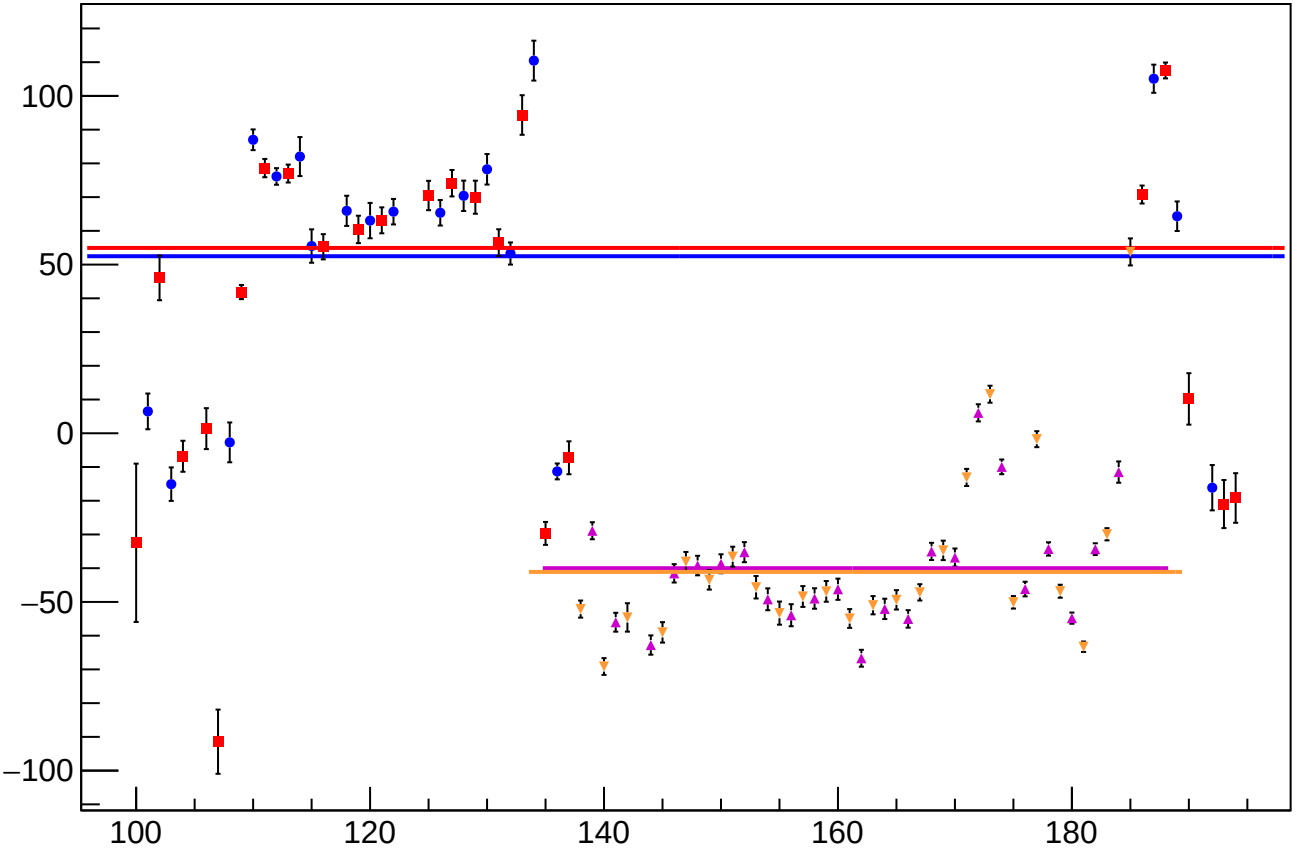
Right: -10.233+/-0.031 χ^2/NDF: 674865.4/41

In: -2.129+/-0.015 χ^2/NDF:341202.9/41

Out: -2.399+/-0.015 χ^2/NDF:457474.7/46

All: -2.265+/-0.011 χ^2/NDF: 798840.7/88

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 52.479+/-0.911 χ^2/NDF: 1778.5/18

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 54.940+/-0.797 χ^2/NDF: 2359.1/22

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

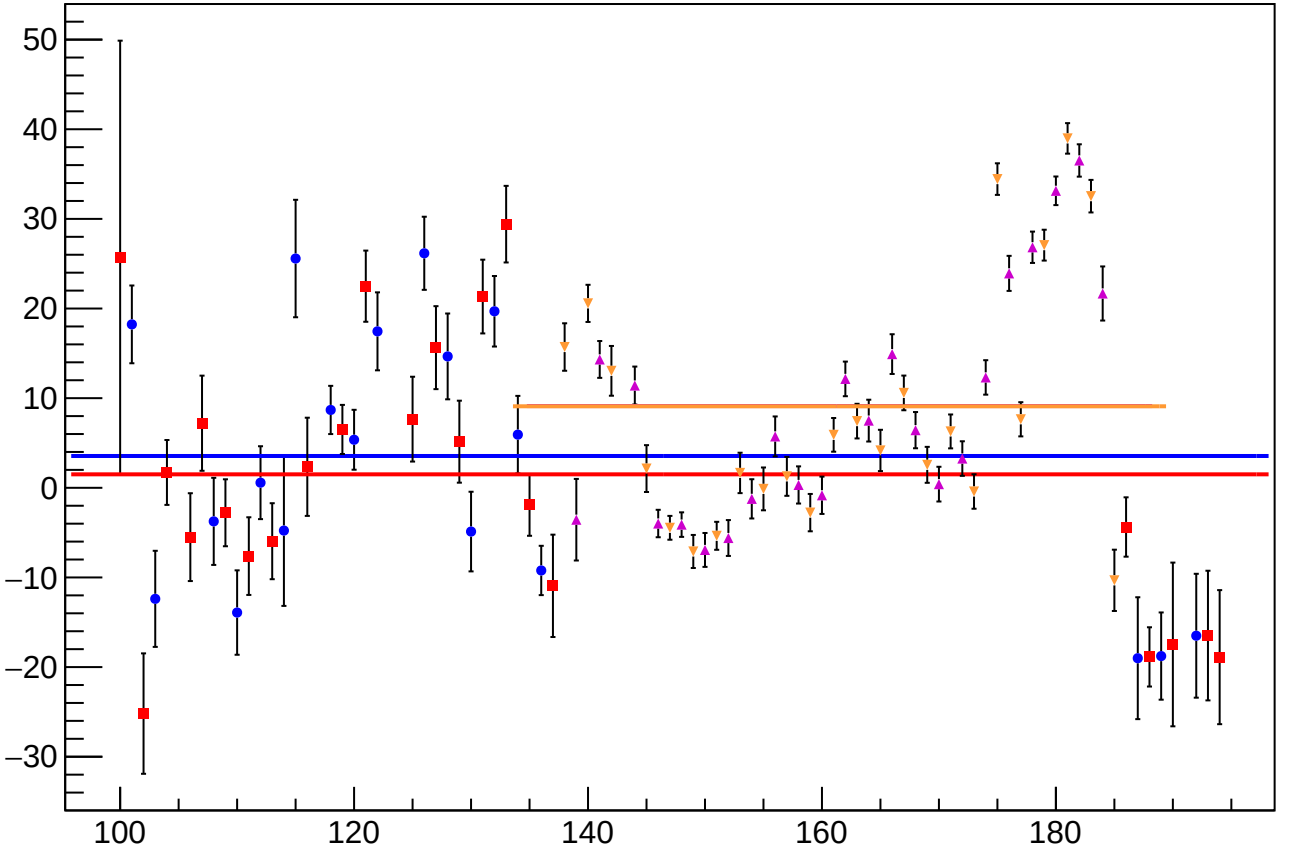
Right: 53.873+/-0.600 χ^2/NDF: 4141.7/41

In: -16.993+/-0.454 χ^2/NDF:10550.9/41

Out: -12.639+/-0.434 χ^2/NDF:14518.2/46

All: -14.716+/-0.314 χ^2/NDF: 25117.2/88

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.550+/-0.979 χ^2/NDF: 182.2/18

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: 1.503+/-0.917 χ^2/NDF: 202.5/22

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

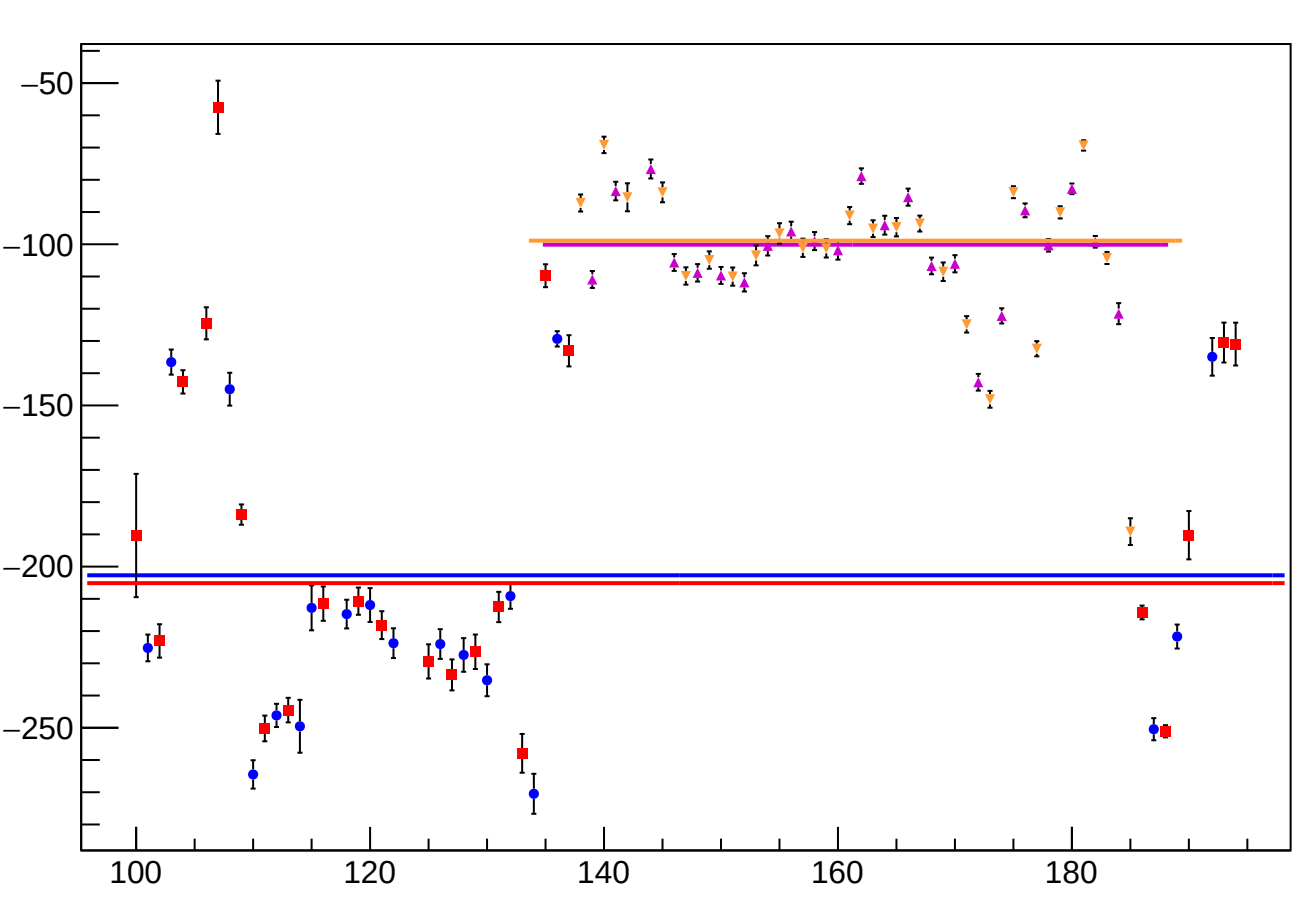
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

Right: 2.460+/-0.669 χ^2/NDF: 387.1/41

In: 8.293+/-0.377 χ^2/NDF:1261.6/41

Out: 7.875+/-0.368 χ^2/NDF:1513.7/46

All: 8.079+/-0.263 χ^2/NDF: 2775.9/88



Right In: -202.693+/-0.981 χ^2/NDF: 2371.0/18

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

Right Out: -205.126+/-0.839 χ^2/NDF: 3157.0/22

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

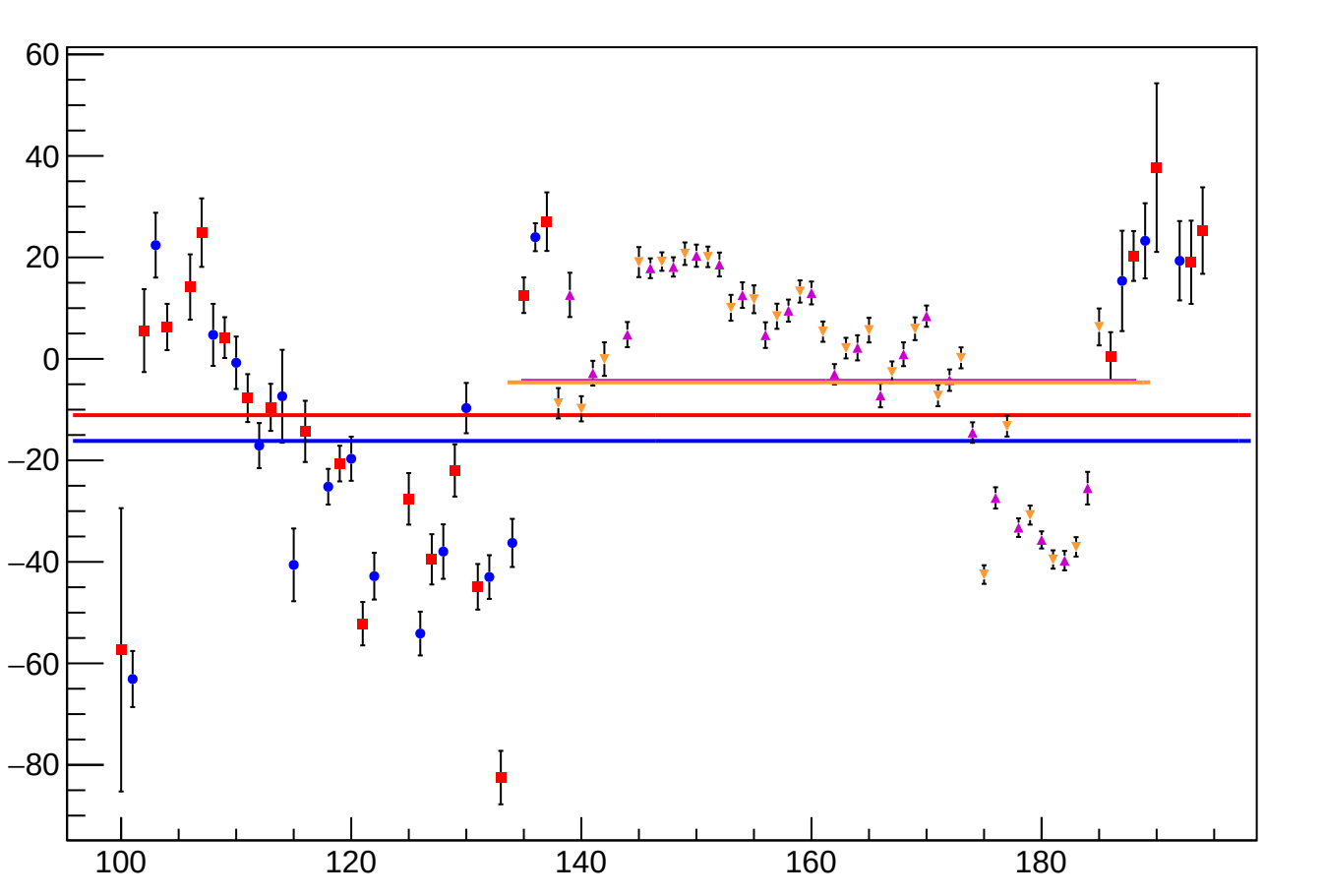
Left: -99.498+/-0.366 χ^2/NDF: 2650.6/46

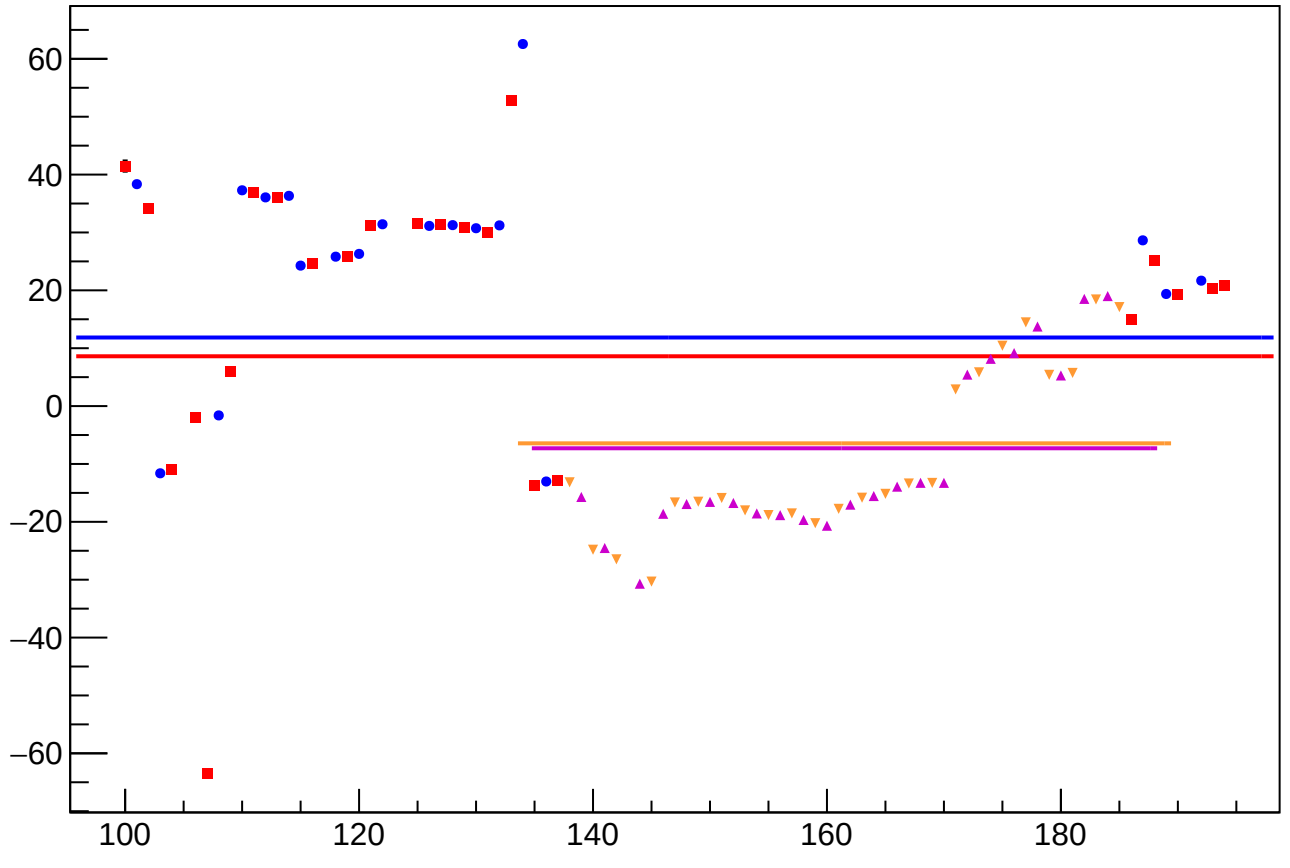
Right: -204.099+/-0.638 χ^2/NDF: 5531.5/41

In: -122.622+/-0.460 χ^2/NDF:11724.3/41

Out: -127.907+/-0.438 χ^2/NDF:16646.4/46

All: -125.389+/-0.317 χ^2/NDF: 28440.0/88


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
100
120
140
160
180
Right In: -16.167+/-1.126 χ²/NDF: 606.6/18
Left Out: -4.618+/-0.451 χ²/NDF:2078.3/23
Right Out: -11.091+/-1.080 χ²/NDF: 644.6/22
Left In: -4.328+/-0.459 χ²/NDF:1854.2/22
Left: -4.475+/-0.322 χ²/NDF: 3932.7/46
Right: -13.524+/-0.779 χ²/NDF: 1261.7/41
In: -6.014+/-0.425 χ²/NDF:2555.6/41
Out: -5.580+/-0.416 χ²/NDF:2753.4/46
All: -5.793+/-0.297 χ²/NDF: 5309.5/88



Right In: 11.850+/-0.060 χ^2/NDF: 168260.0/18

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 8.607+/-0.057 χ^2/NDF: 167048.8/22

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

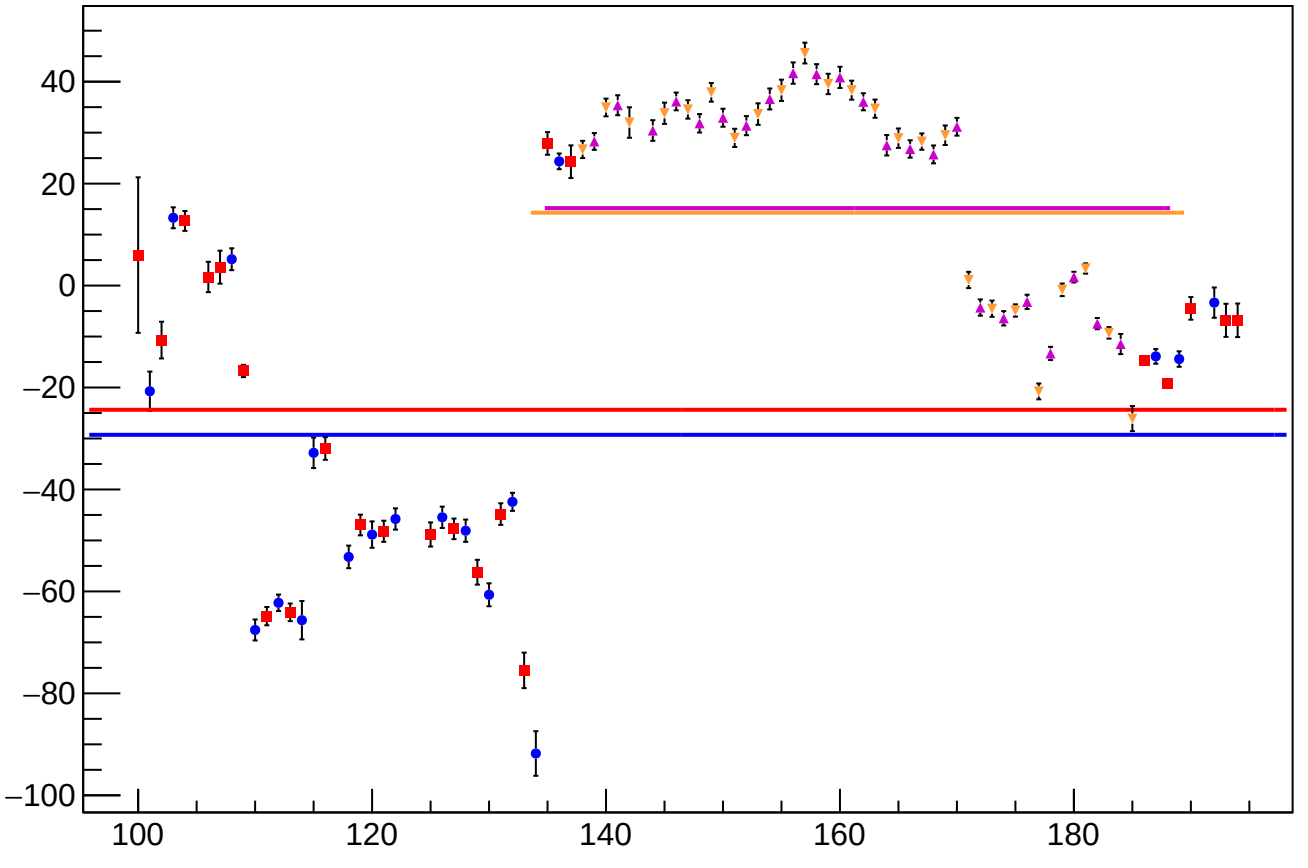
Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

Right: 10.160+/-0.041 χ^2/NDF: 336855.9/41

In: -5.298+/-0.019 χ^2/NDF:749135.1/41

Out: -4.763+/-0.019 χ^2/NDF:725534.5/46

All: -5.028+/-0.014 χ^2/NDF: 1475061.1/88



Right In: -29.279+/-0.479 χ^2/NDF: 3870.6/18

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

Right Out: -24.364+/-0.387 χ^2/NDF: 3656.7/22

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

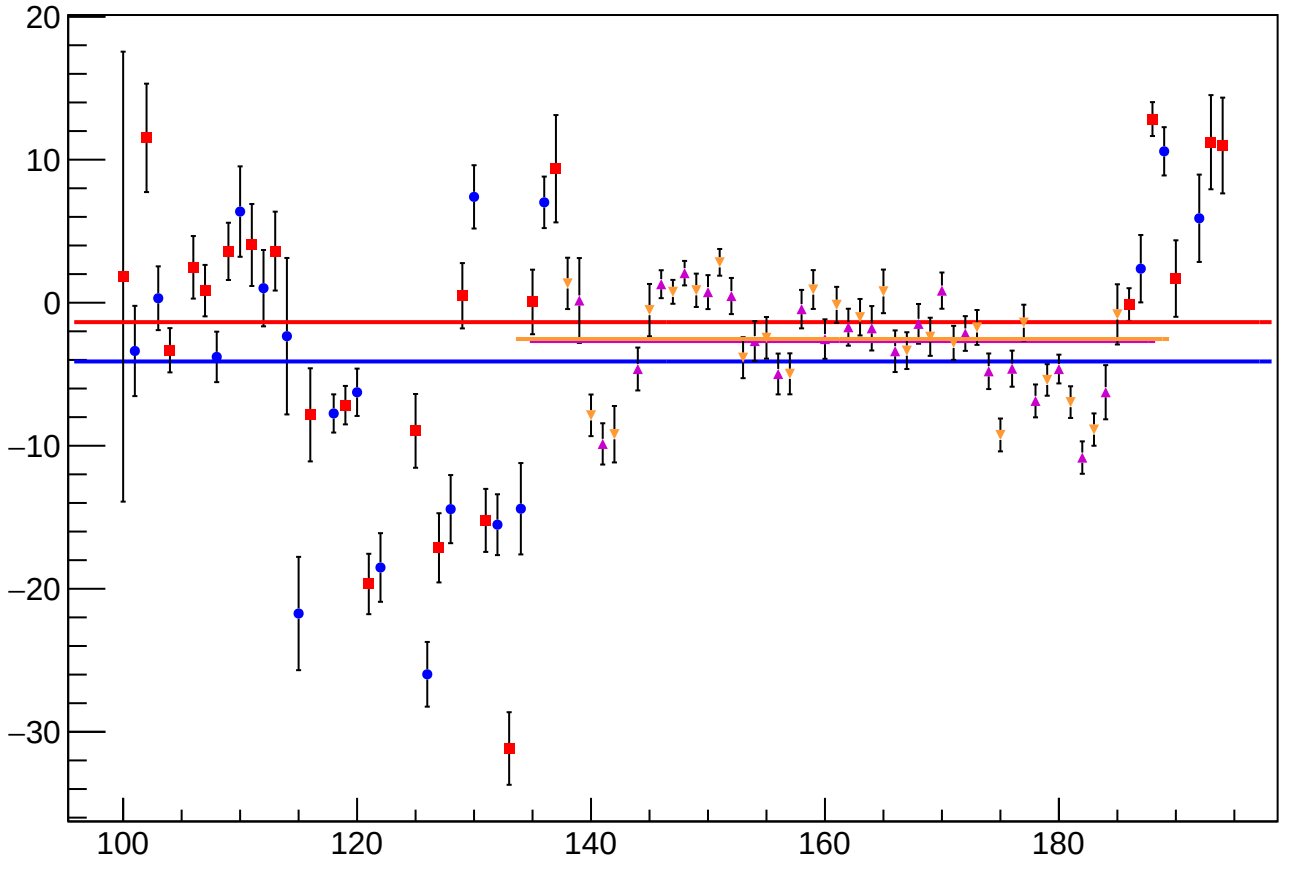
Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

Right: -26.304+/-0.301 χ^2/NDF: 7591.1/41

In: 0.323+/-0.277 χ^2/NDF:13017.9/41

Out: -2.294+/-0.253 χ^2/NDF:13090.5/46

All: -1.102+/-0.187 χ^2/NDF: 26157.1/88



Right In: -4.108+/-0.506 χ^2/NDF: 394.5/18

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -1.359+/-0.433 χ^2/NDF: 540.8/22

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

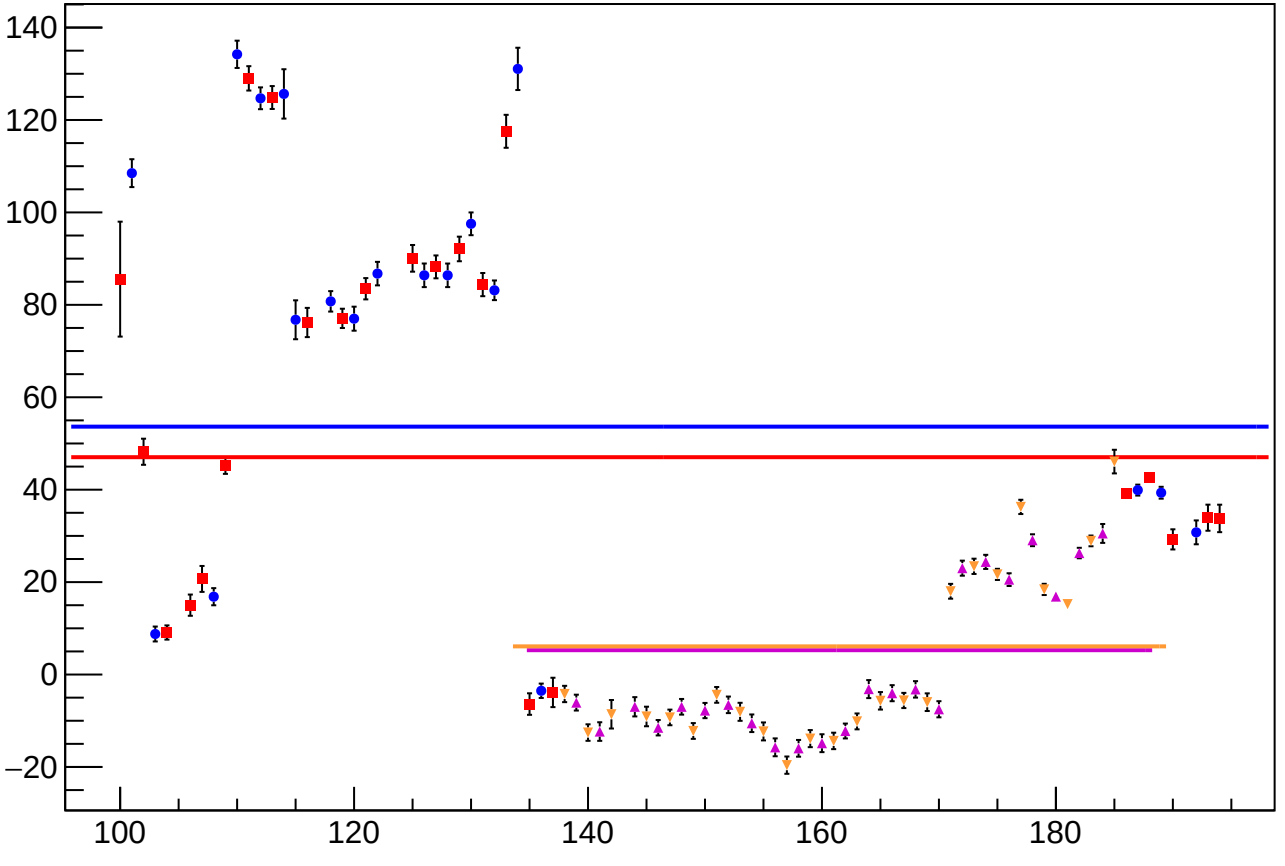
Right: -2.521+/-0.329 χ^2/NDF: 952.3/41

In: -2.987+/-0.235 χ^2/NDF:582.7/41

Out: -2.227+/-0.222 χ^2/NDF:744.6/46

All: -2.587+/-0.161 χ^2/NDF: 1332.9/88

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 53.644+/-0.482 χ^2/NDF: 6573.0/18

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 47.032+/-0.369 χ^2/NDF: 5835.7/22

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

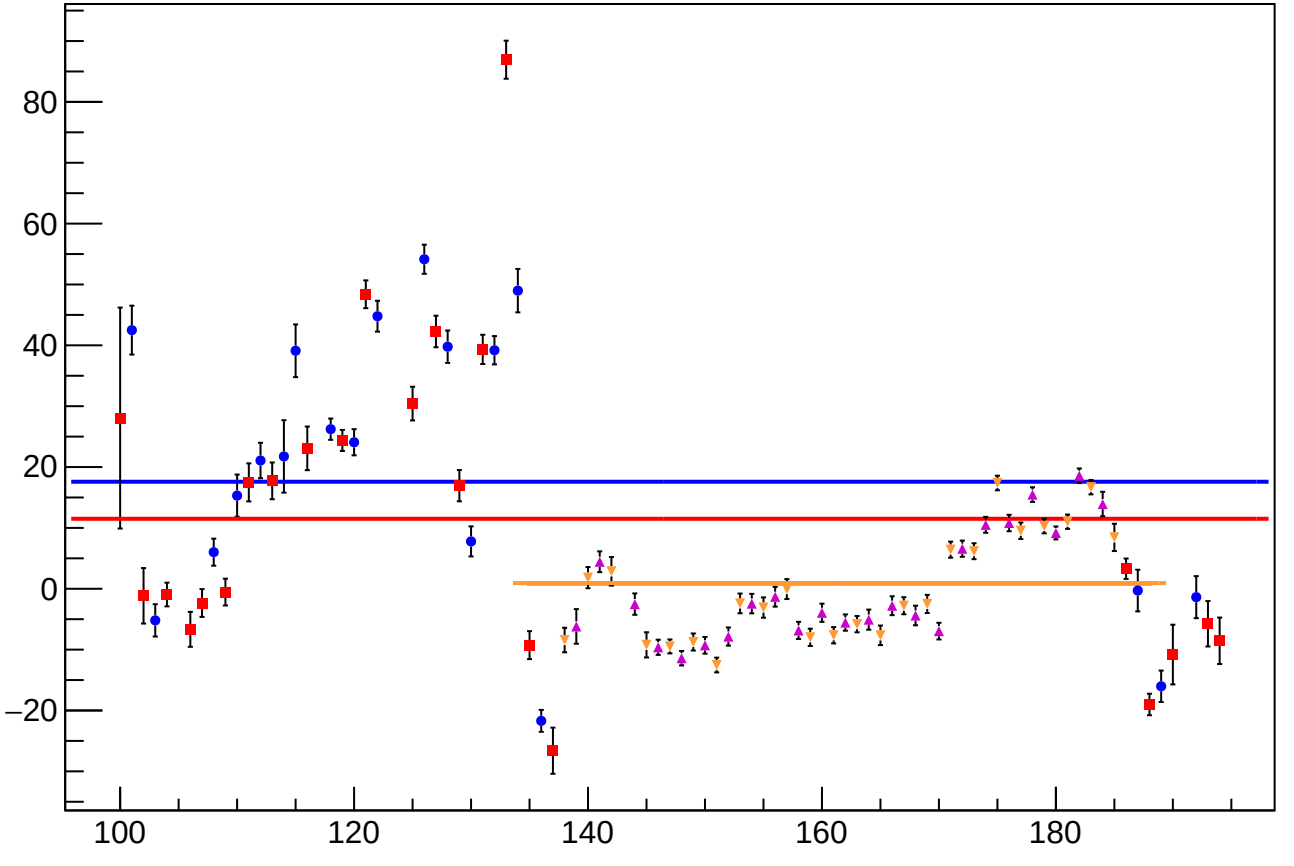
Right: 49.470+/-0.293 χ^2/NDF: 12527.5/41

In: 21.114+/-0.276 χ^2/NDF:15792.0/41

Out: 24.488+/-0.247 χ^2/NDF:15405.3/46

All: 22.987+/-0.184 χ^2/NDF: 31280.3/88

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 17.587+/-0.602 χ^2/NDF: 1499.7/18

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

Right Out: 11.503+/-0.536 χ^2/NDF: 1975.0/22

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

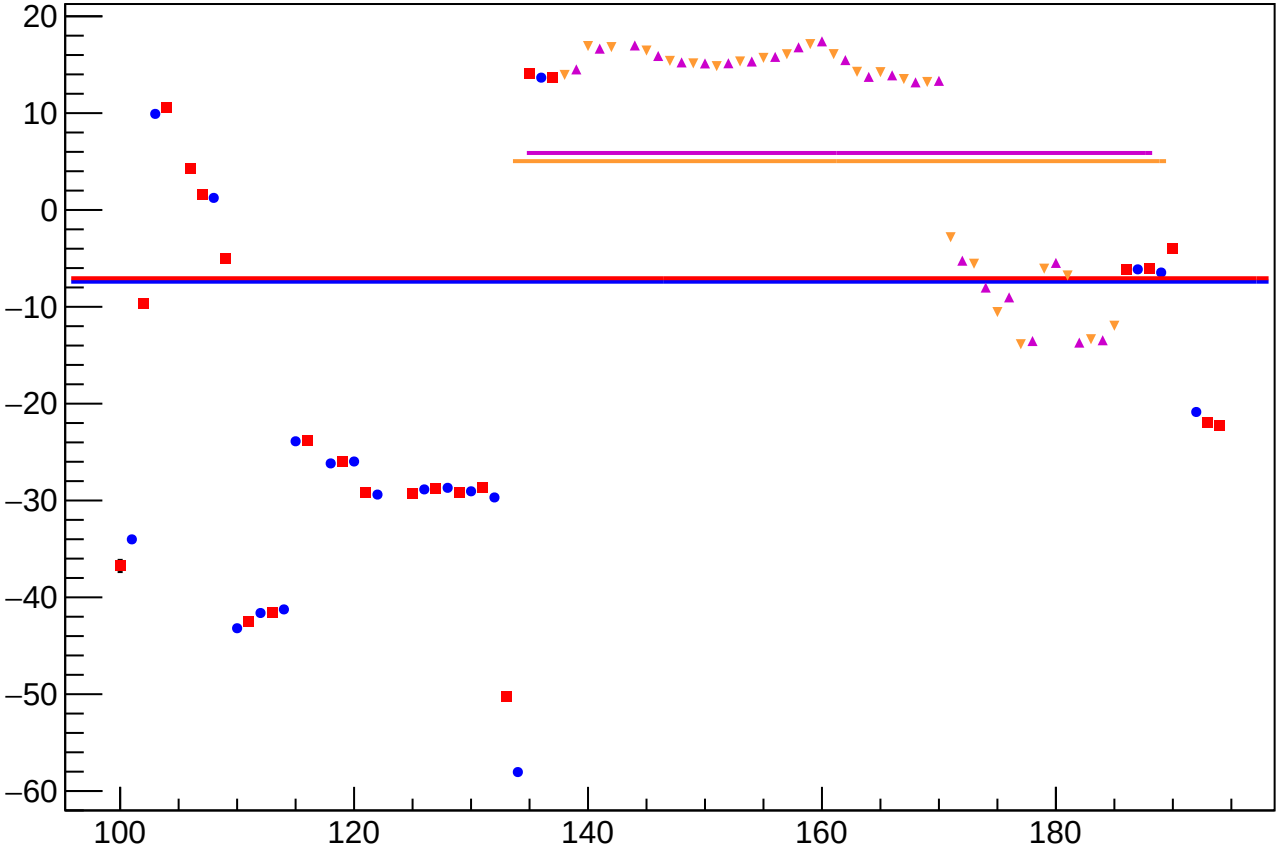
Right: 14.195+/-0.400 χ^2/NDF: 3531.7/41

In: 4.153+/-0.267 χ^2/NDF:3125.1/41

Out: 3.344+/-0.256 χ^2/NDF:3316.5/46

All: 3.733+/-0.185 χ^2/NDF: 6446.5/88

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -7.407+/-0.030 χ^2/NDF: 426866.5/18

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

Right Out: -7.049+/-0.028 χ^2/NDF: 347450.0/22

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

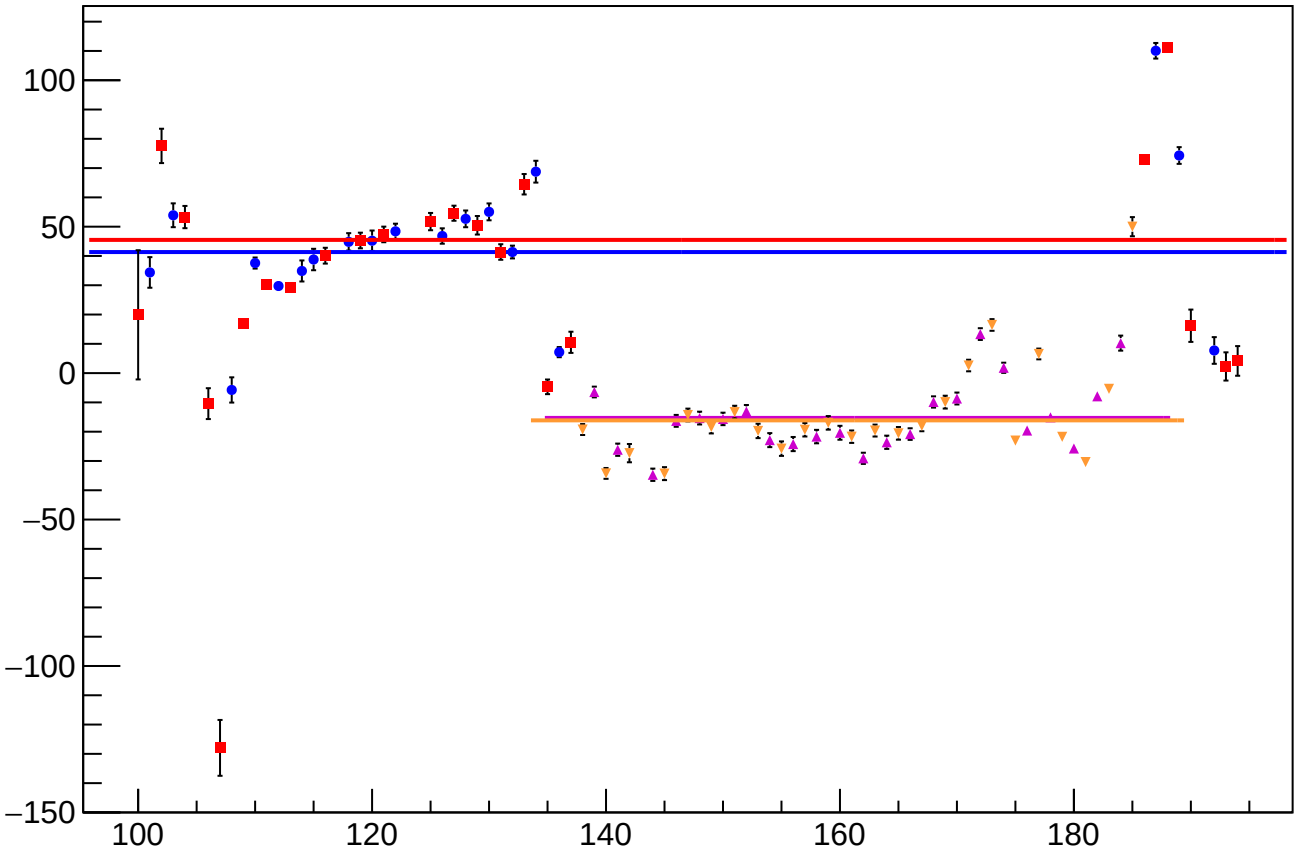
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -7.214+/-0.021 χ^2/NDF: 774391.4/41

In: 3.789+/-0.012 χ^2/NDF:1434500.1/41

Out: 2.890+/-0.012 χ^2/NDF:1355506.2/46

All: 3.331+/-0.008 χ^2/NDF: 2792832.2/88



Right In: 41.333+/-0.616 χ^2/NDF: 1538.7/18

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 45.486+/-0.542 χ^2/NDF: 3874.6/22

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

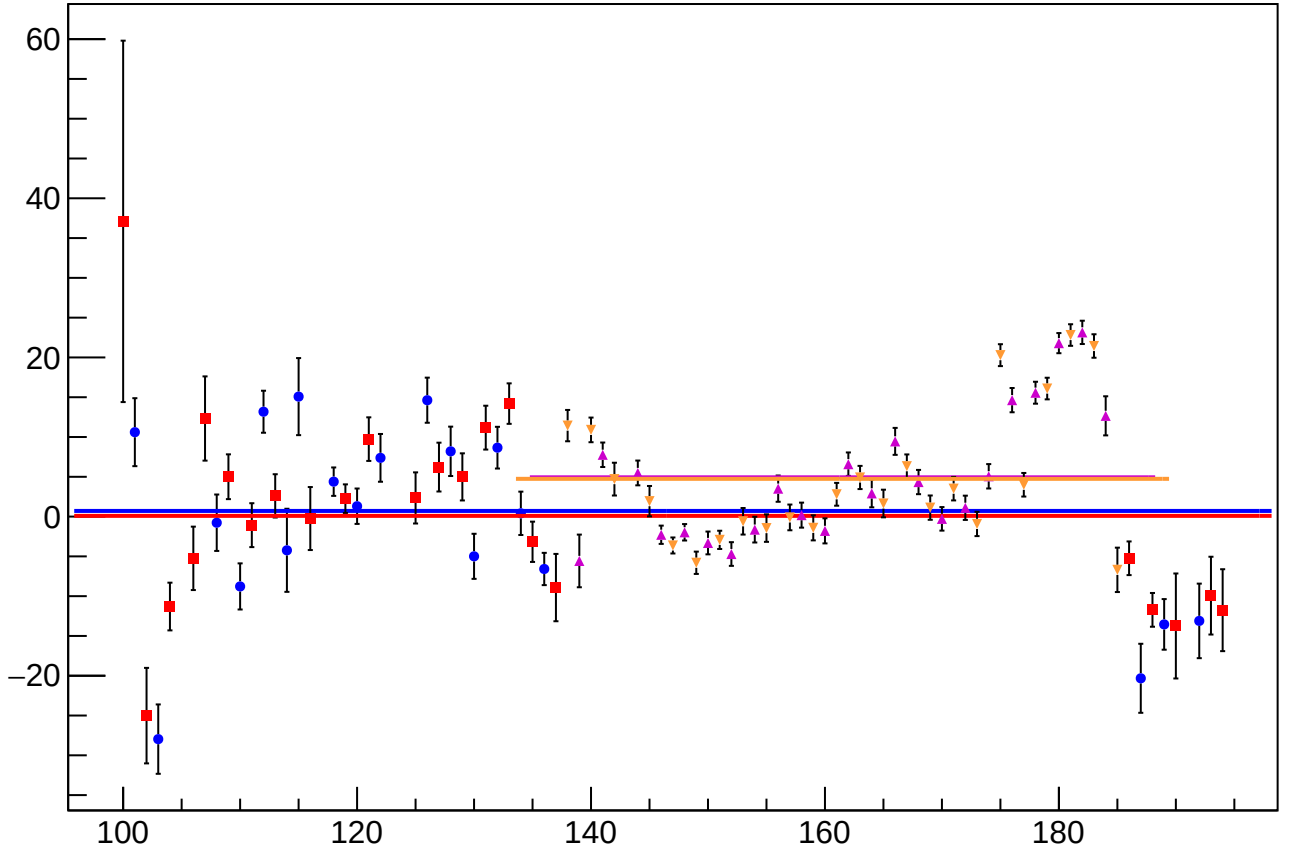
Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

Right: 43.676+/-0.407 χ^2/NDF: 5438.9/41

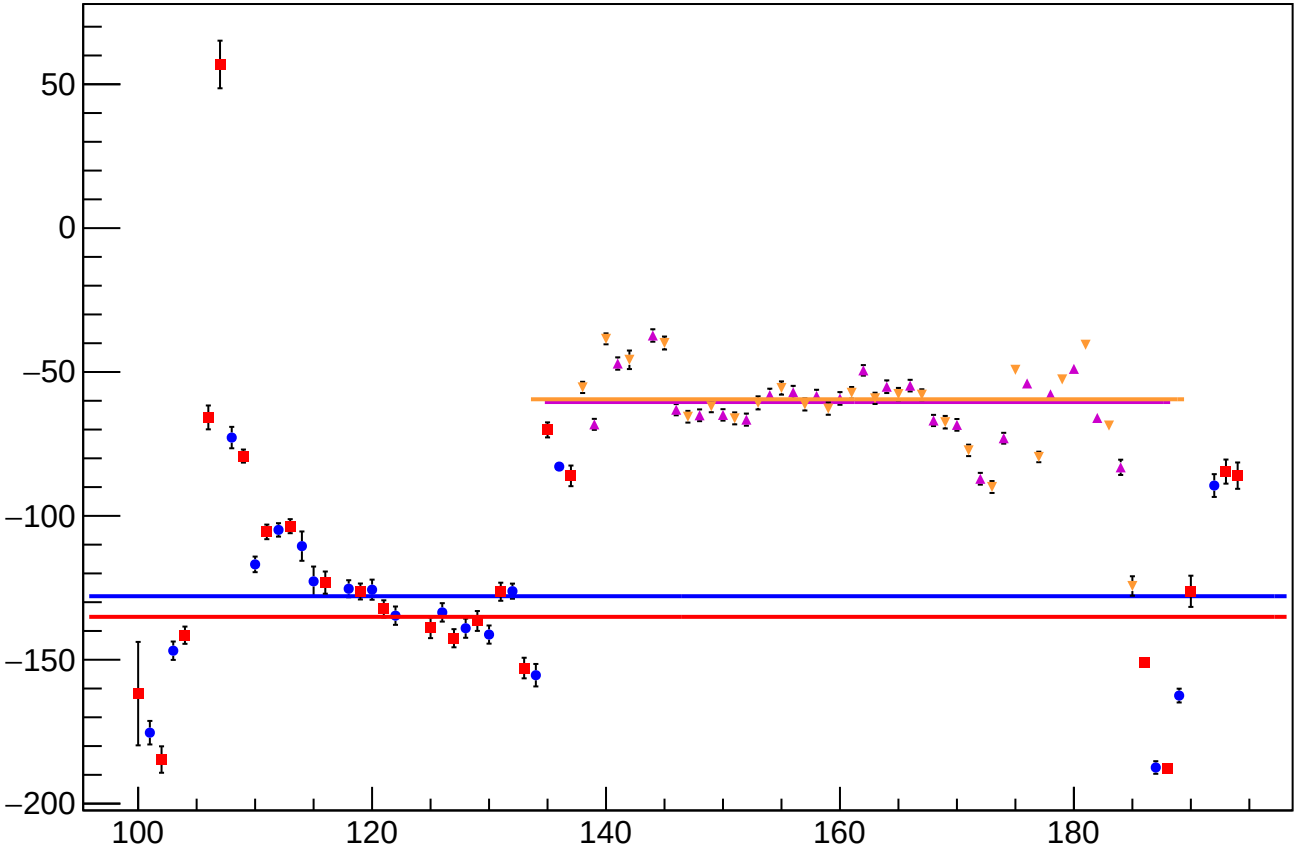
In: 1.678+/-0.337 χ^2/NDF:8211.3/41

Out: 5.458+/-0.321 χ^2/NDF:13642.2/46

All: 3.664+/-0.232 χ^2/NDF: 21919.5/88


reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
120
140
160
180
Right In: 0.711+/-0.670 χ²/NDF: 209.2/18
Left Out: 4.745+/-0.307 χ²/NDF:793.8/23
Right Out: 0.092+/-0.632 χ²/NDF: 171.3/22
Left In: 4.935+/-0.313 χ²/NDF:688.4/22
Left: 4.838+/-0.219 χ²/NDF: 1482.3/46
Right: 0.384+/-0.460 χ²/NDF: 381.0/41
In: 4.178+/-0.284 χ²/NDF:930.2/41
Out: 3.859+/-0.276 χ²/NDF:1008.9/46
All: 4.014+/-0.198 χ²/NDF: 1939.8/88

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -127.921+/-0.675 χ^2/NDF: 2306.0/18

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

Right Out: -135.092+/-0.571 χ^2/NDF: 4974.3/22

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

Left: -59.952+/-0.281 χ^2/NDF: 2043.4/46

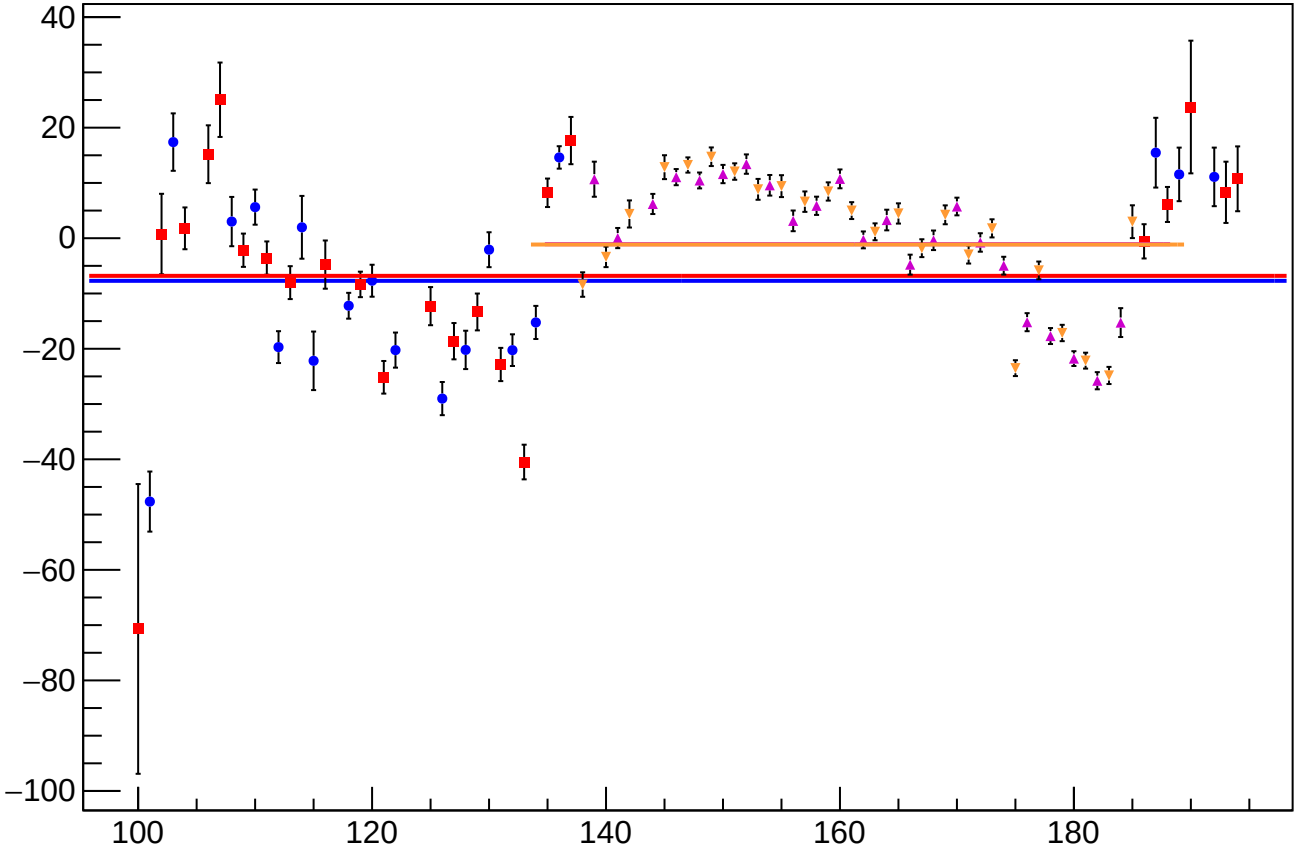
Right: -132.105+/-0.436 χ^2/NDF: 7346.1/41

In: -77.925+/-0.344 χ^2/NDF:10369.6/41

Out: -83.964+/-0.325 χ^2/NDF:18216.3/46

All: -81.117+/-0.236 χ^2/NDF: 28749.0/88

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -7.710+/-0.771 χ^2/NDF: 402.6/18

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

Right Out: -6.809+/-0.746 χ^2/NDF: 368.8/22

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

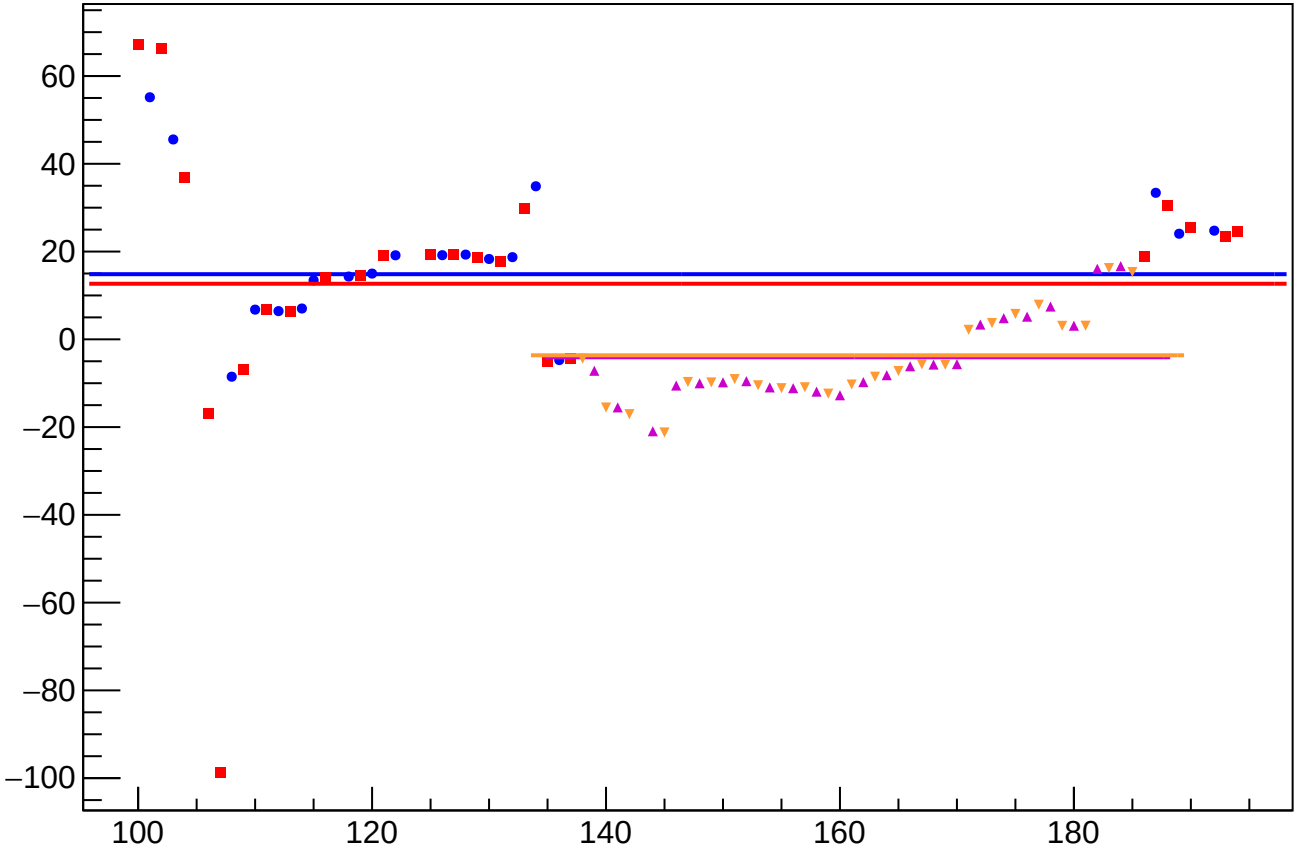
Right: -7.245+/-0.536 χ^2/NDF: 772.1/41

In: -2.224+/-0.320 χ^2/NDF:1621.2/41

Out: -2.144+/-0.314 χ^2/NDF:1719.2/46

All: -2.183+/-0.224 χ^2/NDF: 3340.4/88

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 14.845+/-0.043 χ^2/NDF: 192803.2/18

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 12.665+/-0.042 χ^2/NDF: 319906.4/22

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

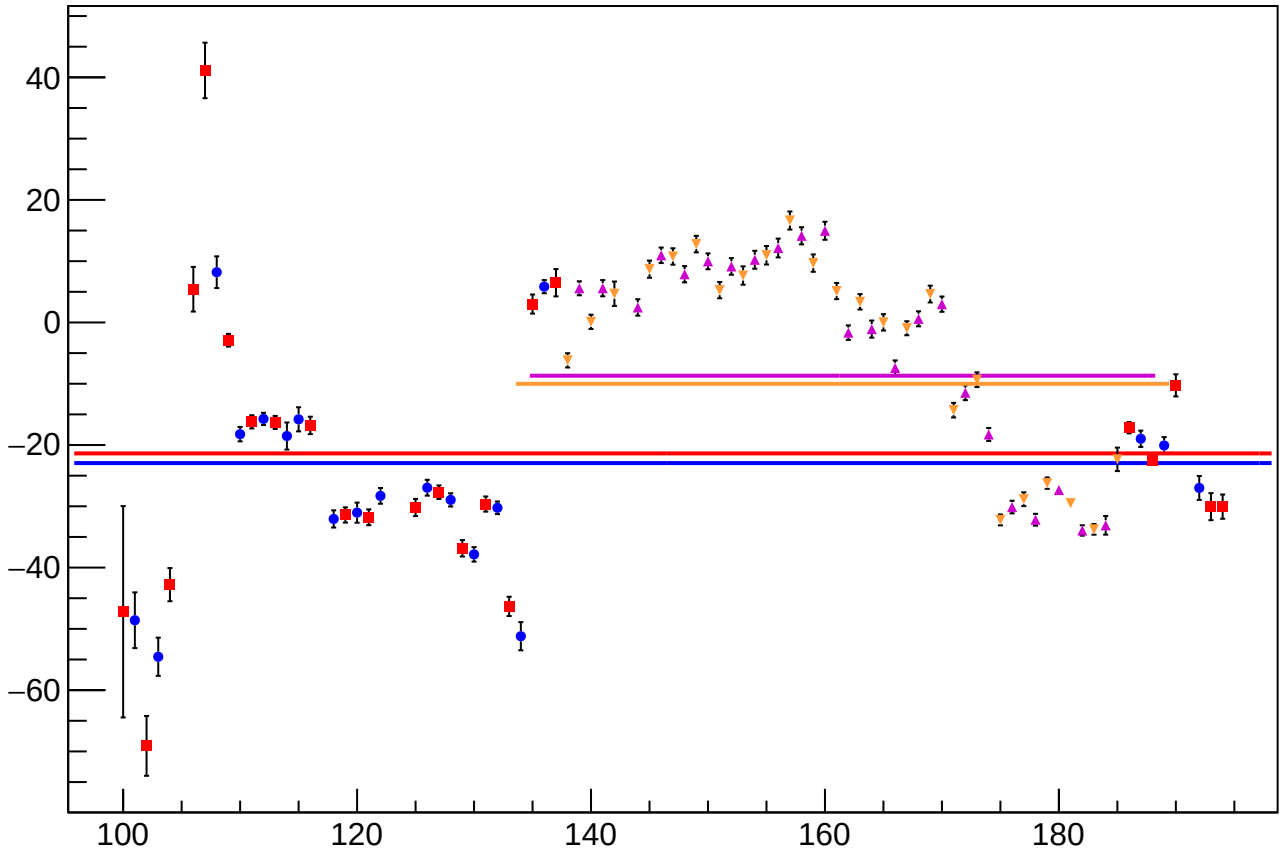
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 13.730+/-0.030 χ^2/NDF: 514053.0/41

In: -1.864+/-0.015 χ^2/NDF:700927.8/41

Out: -1.661+/-0.014 χ^2/NDF:800813.9/46

All: -1.762+/-0.010 χ^2/NDF: 1501838.9/88



Right In: -22.946+/-0.324 χ^2/NDF: 1586.5/18

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

Right Out: -21.367+/-0.290 χ^2/NDF: 1909.9/22

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

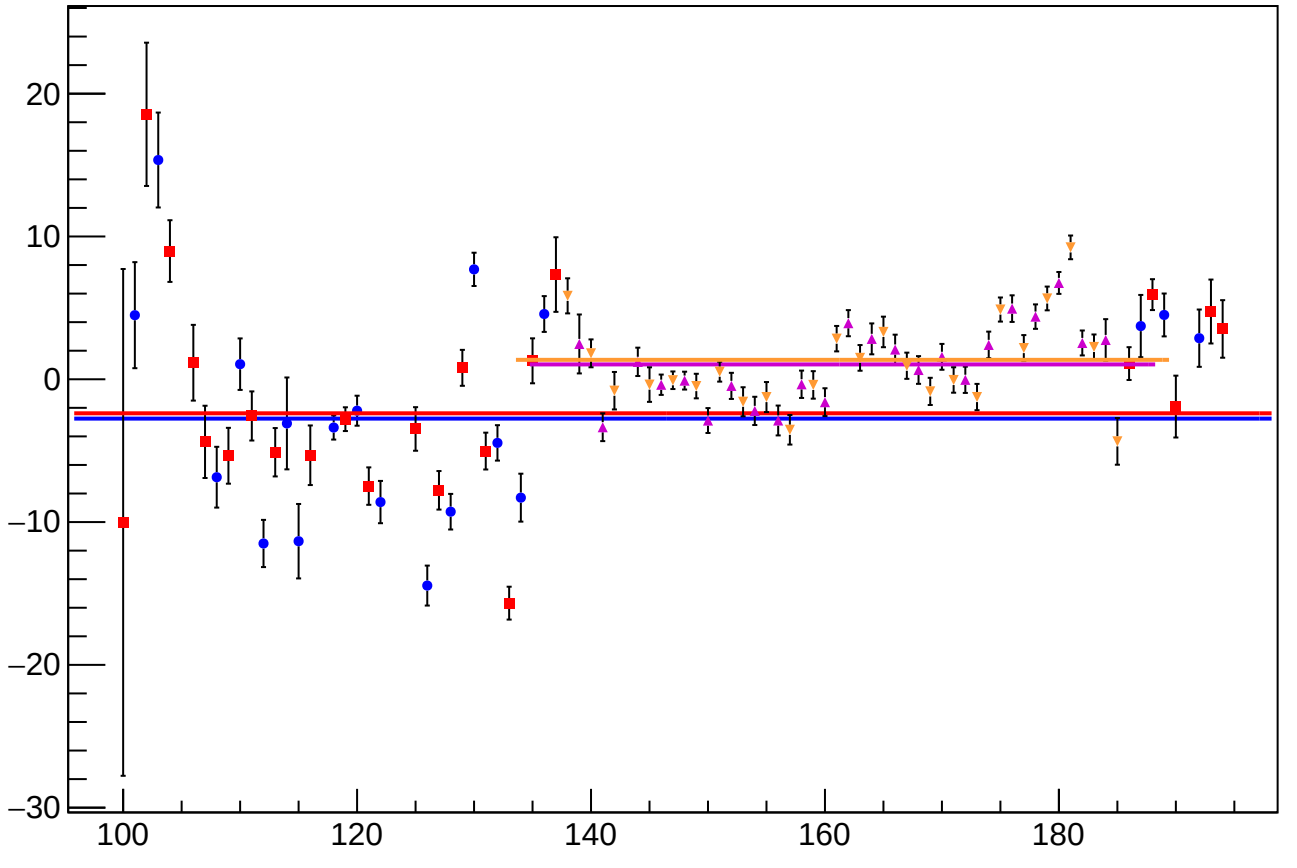
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -22.068+/-0.216 χ^2/NDF: 3509.6/41

In: -13.943+/-0.197 χ^2/NDF:7829.2/41

Out: -14.733+/-0.187 χ^2/NDF:7785.1/46

All: -14.358+/-0.135 χ^2/NDF: 15622.8/88



Right In: -2.754+/-0.343 χ^2/NDF: 361.6/18

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

Right Out: -2.383+/-0.324 χ^2/NDF: 336.8/22

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

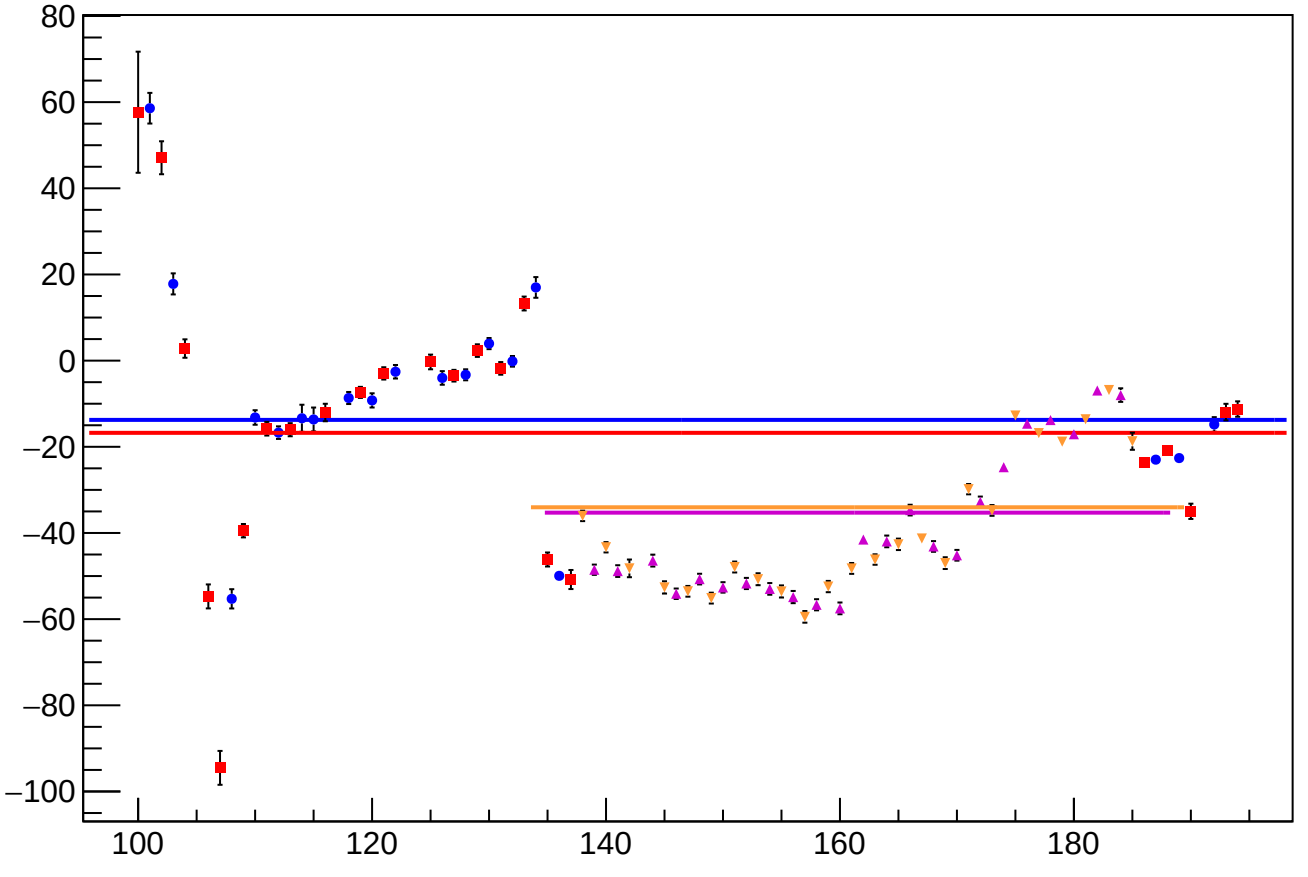
Right: -2.558+/-0.235 χ^2/NDF: 699.0/41

In: 0.132+/-0.168 χ^2/NDF:650.8/41

Out: 0.414+/-0.163 χ^2/NDF:677.1/46

All: 0.277+/-0.117 χ^2/NDF: 1329.4/88

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -13.753+/-0.354 χ^2/NDF: 2825.7/18

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -16.759+/-0.299 χ^2/NDF: 2962.8/22

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

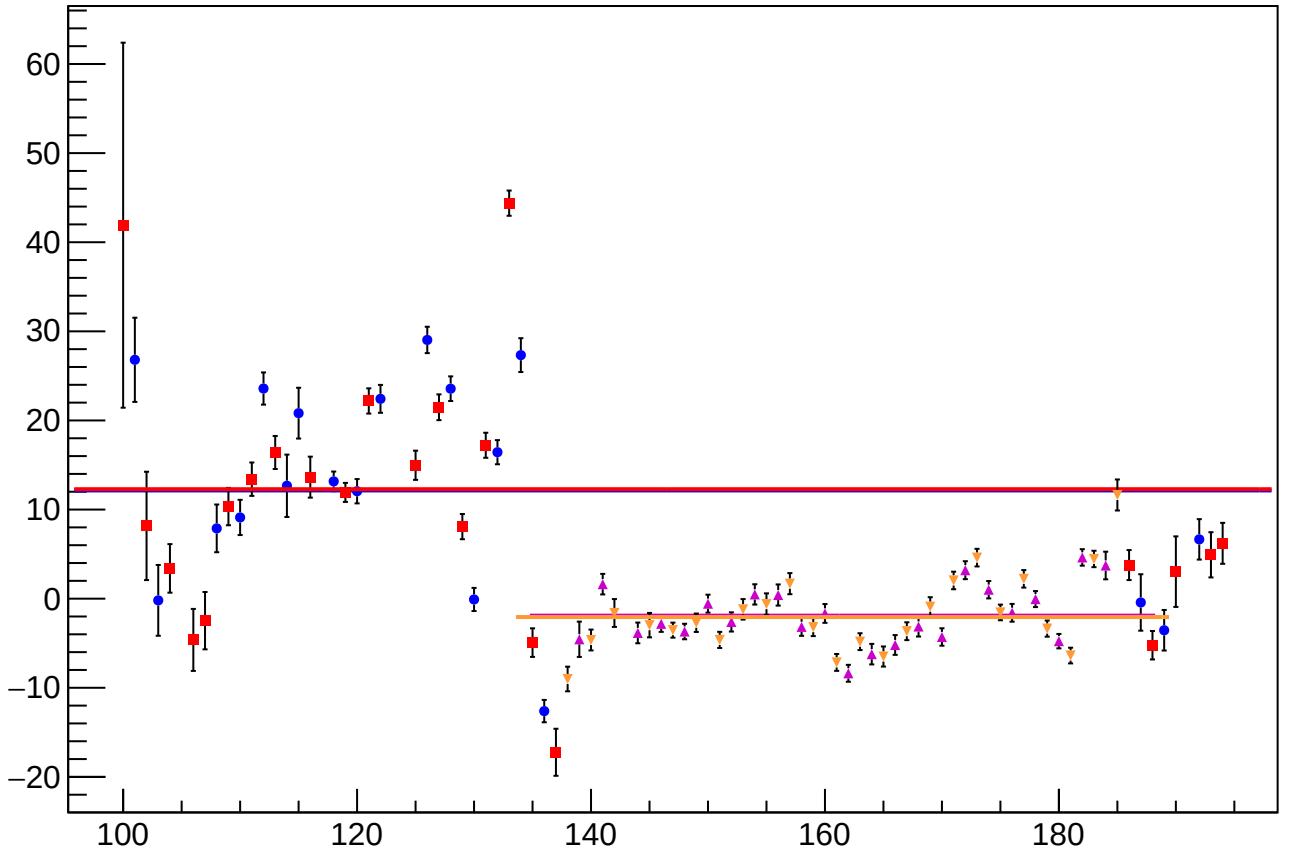
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

Right: -15.506+/-0.228 χ^2/NDF: 5830.6/41

In: -28.288+/-0.202 χ^2/NDF:10324.8/41

Out: -27.182+/-0.188 χ^2/NDF:9941.8/46

All: -27.697+/-0.138 χ^2/NDF: 20282.7/88



Right In: 12.146+/-0.398 χ^2/NDF: 937.4/18

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

Right Out: 12.283+/-0.385 χ^2/NDF: 1099.2/22

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

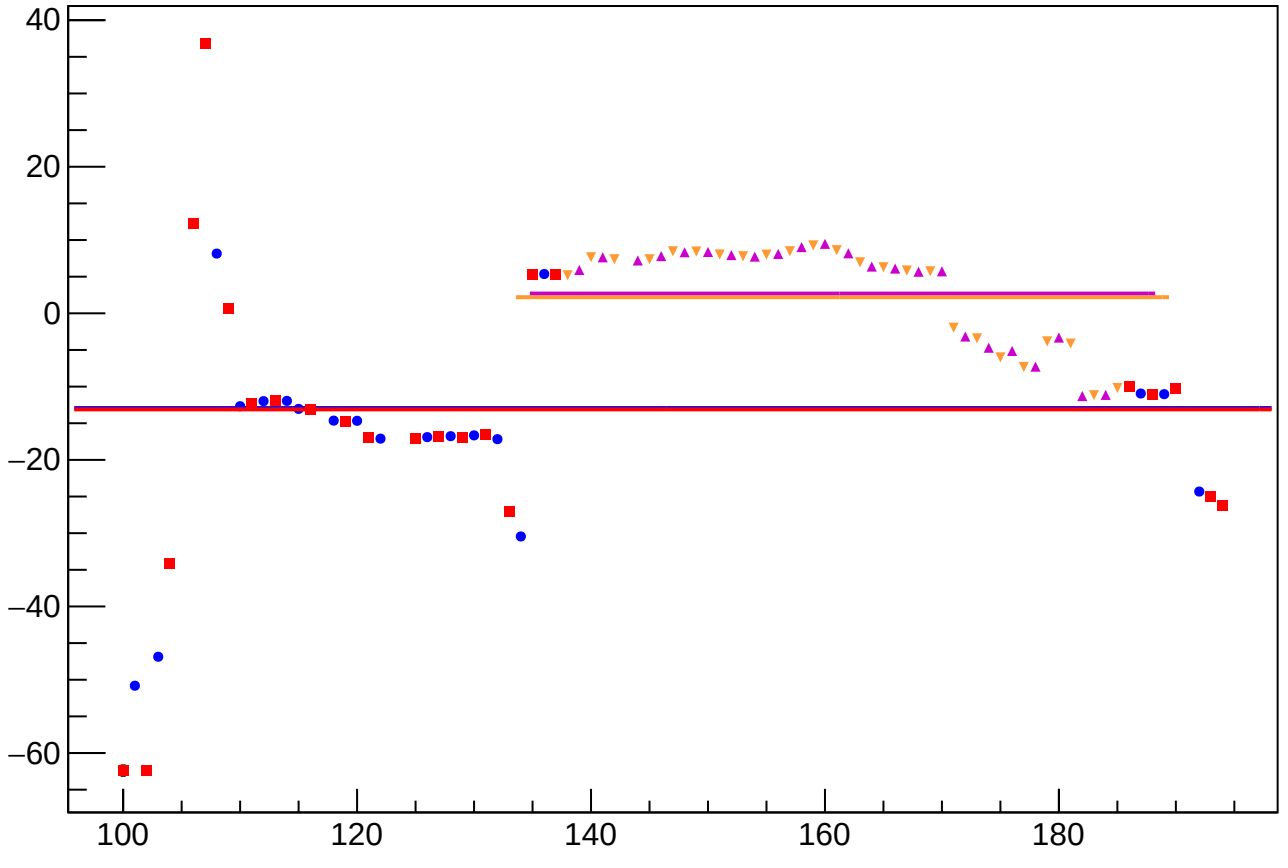
Left: -1.985+/-0.151 χ^2/NDF: 554.7/46

Right: 12.217+/-0.277 χ^2/NDF: 2036.7/41

In: 1.292+/-0.190 χ^2/NDF:2120.6/41

Out: 1.285+/-0.186 χ^2/NDF:2497.5/46

All: 1.288+/-0.133 χ^2/NDF: 4618.1/88



Right In: -12.930+/-0.024 χ^2/NDF: 388777.7/18

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -13.107+/-0.022 χ^2/NDF: 471847.1/22

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

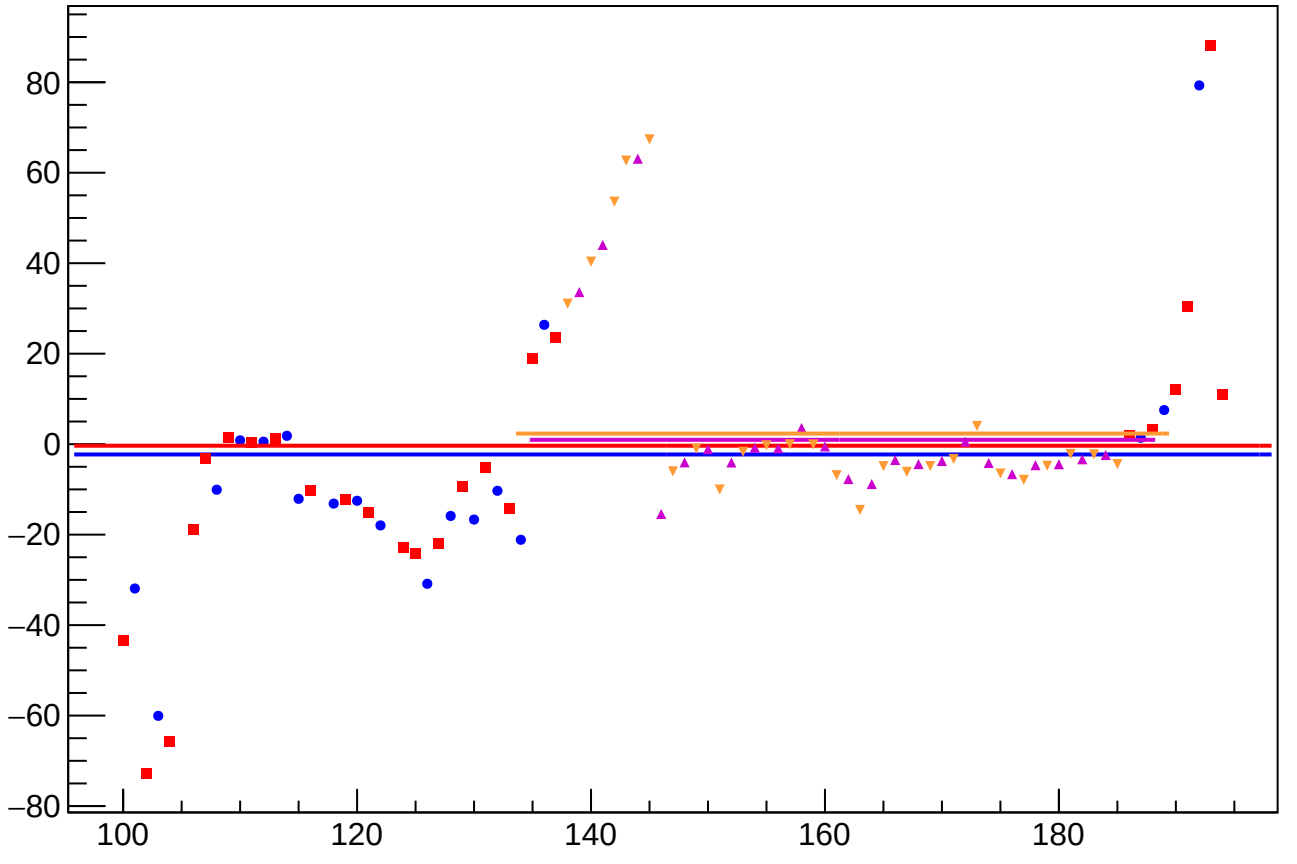
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -13.024+/-0.016 χ^2/NDF: 860654.5/41

In: 0.507+/-0.009 χ^2/NDF:1262167.1/41

Out: -0.154+/-0.009 χ^2/NDF:1379655.0/46

All: 0.172+/-0.006 χ^2/NDF: 2644641.5/88



Right In: -2.277+/-0.052 χ^2/NDF: 109825.7/18

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: -0.347+/-0.040 χ^2/NDF: 114521.7/24

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

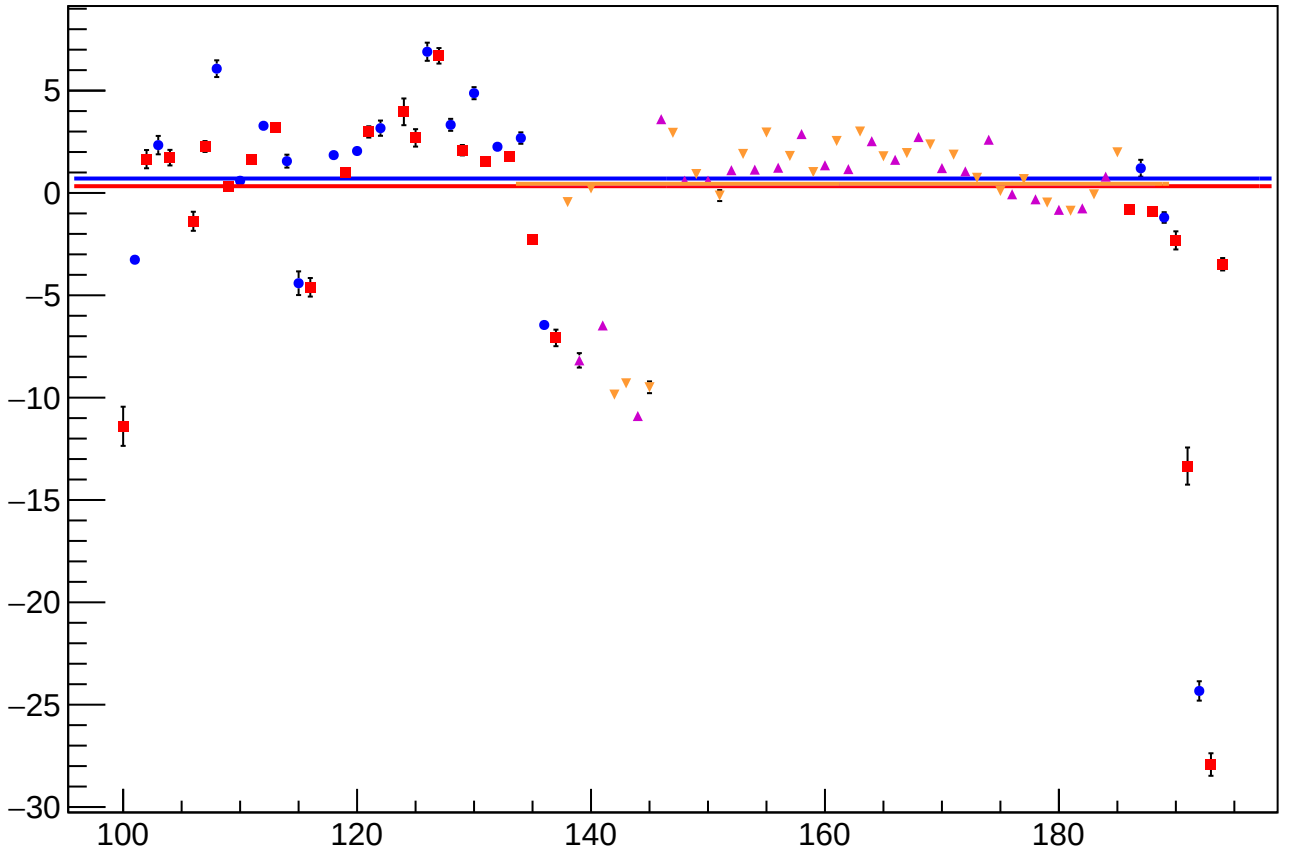
Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

Right: -1.080+/-0.032 χ^2/NDF: 225210.7/43

In: -0.250+/-0.032 χ^2/NDF:244794.6/41

Out: 1.004+/-0.029 χ^2/NDF:293726.2/49

All: 0.441+/-0.021 χ^2/NDF: 539387.6/91



Right In: 0.705+/-0.058 χ^2/NDF: 5508.7/18

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.330+/-0.051 χ^2/NDF: 4912.7/24

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

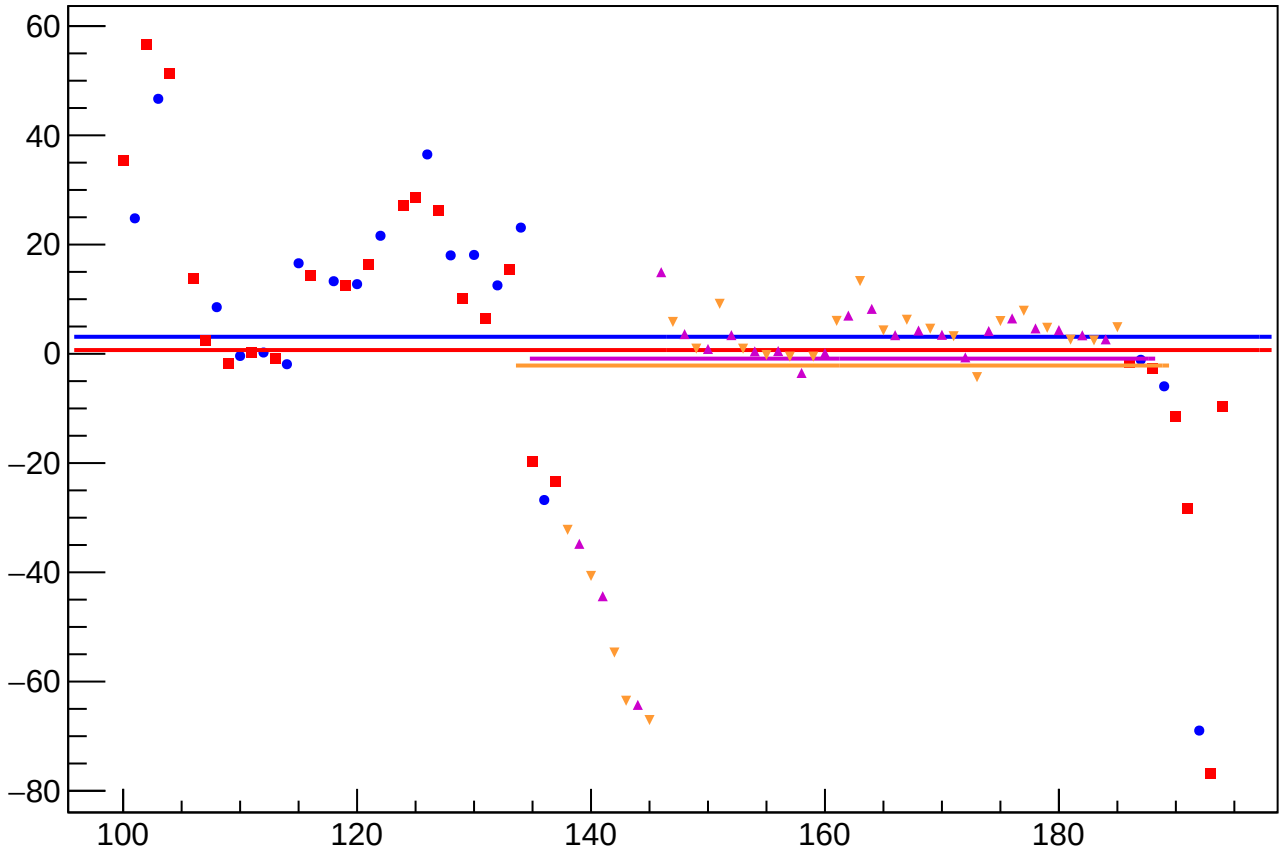
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.494+/-0.038 χ^2/NDF: 10445.1/43

In: 0.491+/-0.028 χ^2/NDF:12628.8/41

Out: 0.412+/-0.028 χ^2/NDF:11960.7/49

All: 0.451+/-0.020 χ^2/NDF: 24593.6/91



Right In: 3.120+/-0.059 χ^2/NDF: 108251.1/18

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: 0.690+/-0.045 χ^2/NDF: 112806.6/24

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

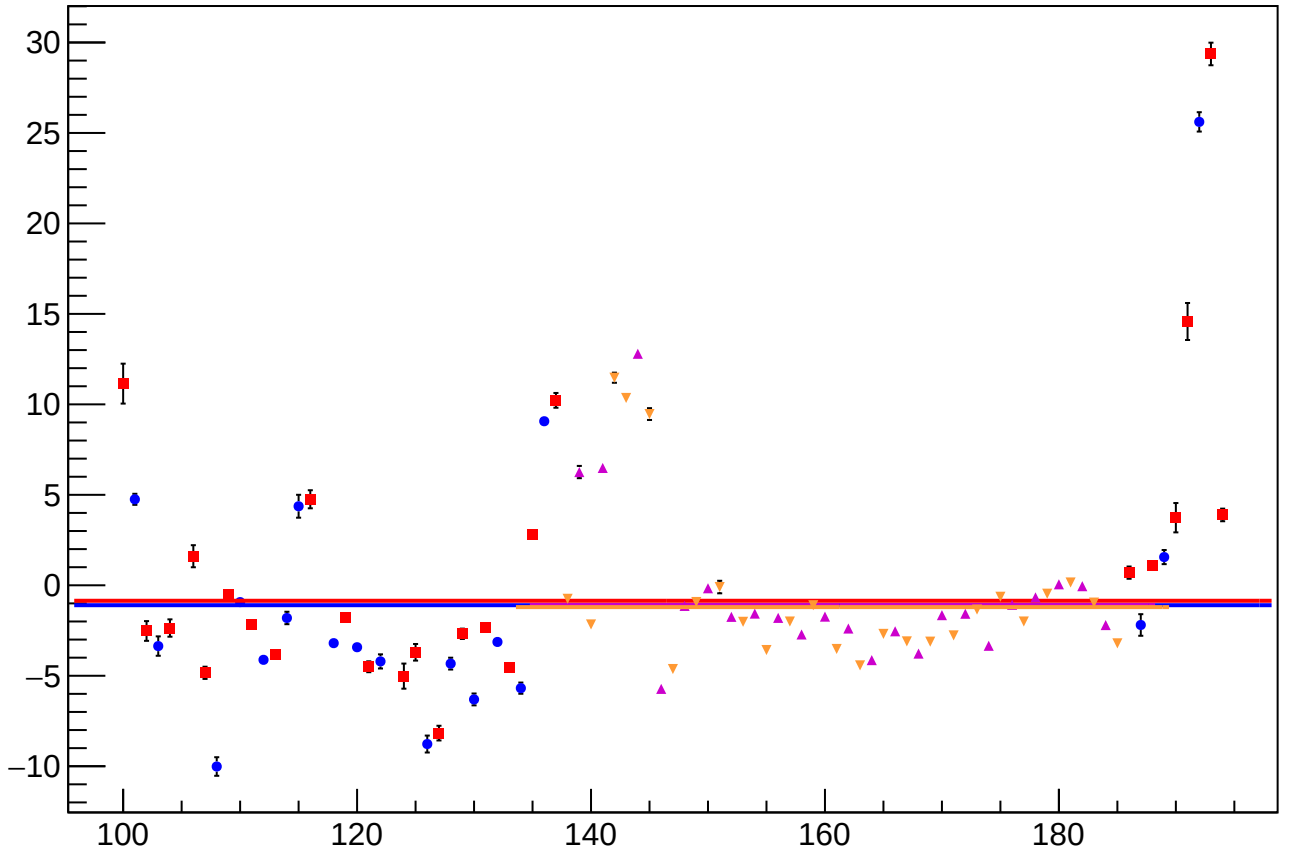
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: 1.589+/-0.036 χ^2/NDF: 222139.2/43

In: 0.361+/-0.033 χ^2/NDF:240658.8/41

Out: -0.881+/-0.030 χ^2/NDF:286283.5/49

All: -0.314+/-0.022 χ^2/NDF: 527727.1/91



Right In: -1.100+/-0.068 χ^2/NDF: 7123.4/18

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

Right Out: -0.855+/-0.060 χ^2/NDF: 5492.8/24

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

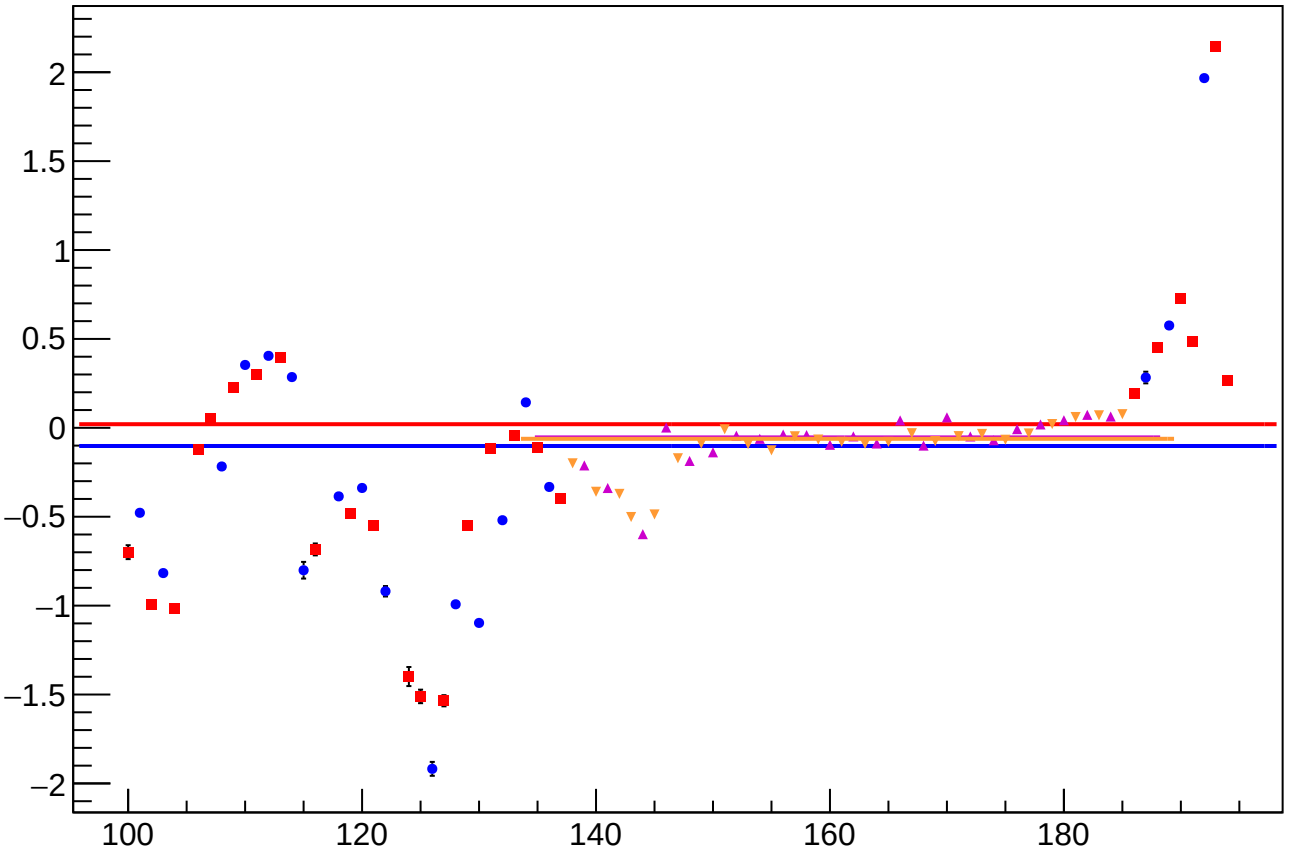
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -0.963+/-0.045 χ^2/NDF: 12623.6/43

In: -1.095+/-0.031 χ^2/NDF:14152.5/41

Out: -1.111+/-0.031 χ^2/NDF:12521.1/49

All: -1.103+/-0.022 χ^2/NDF: 26673.7/91



Right In: -0.102+/-0.004 χ^2/NDF: 30319.6/18

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.020+/-0.003 χ^2/NDF: 32770.0/24

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

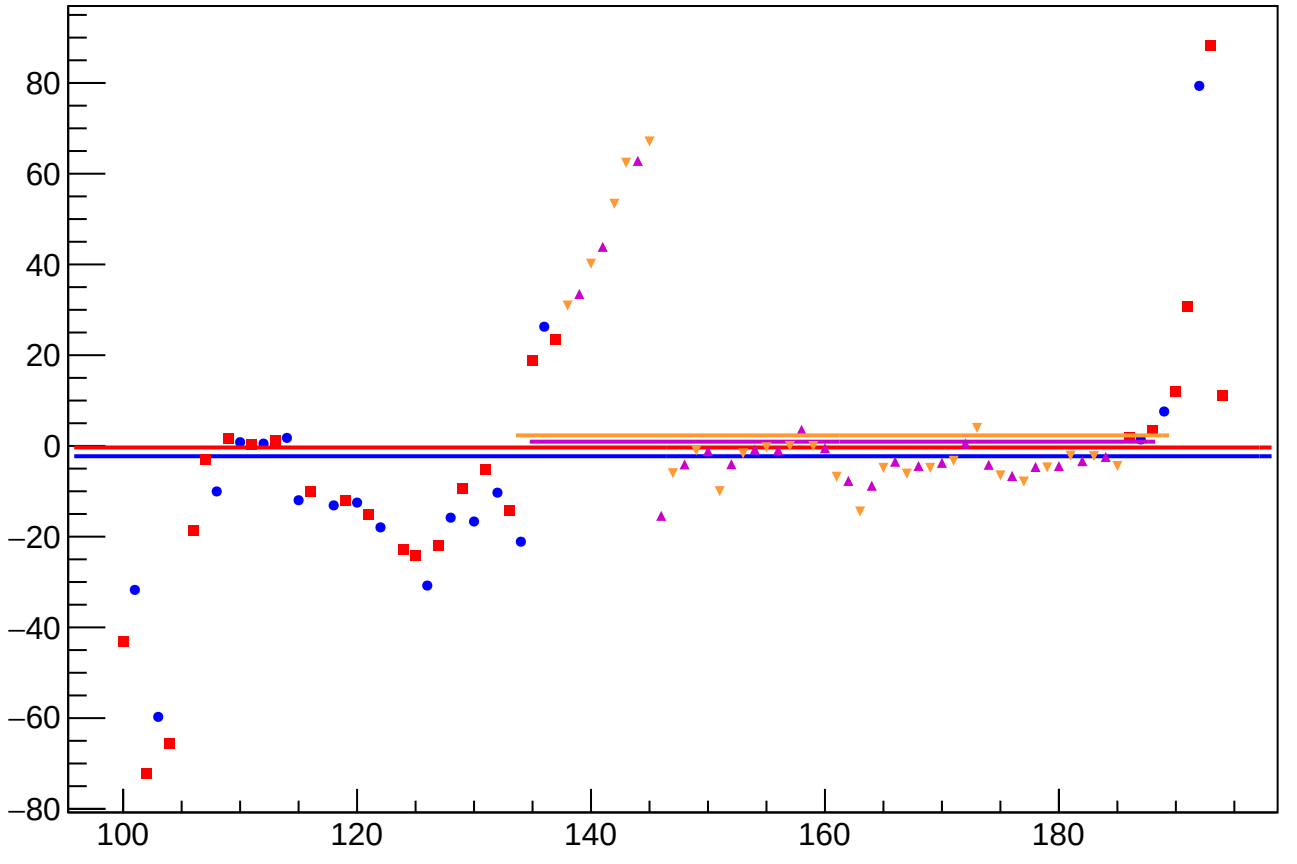
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: -0.030+/-0.003 χ^2/NDF: 63667.0/43

In: -0.060+/-0.001 χ^2/NDF:35483.1/41

Out: -0.046+/-0.001 χ^2/NDF:38988.1/49

All: -0.053+/-0.001 χ^2/NDF: 74519.6/91



Right In: -2.275+/-0.051 χ^2/NDF: 110121.5/18

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: -0.343+/-0.040 χ^2/NDF: 114890.0/24

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

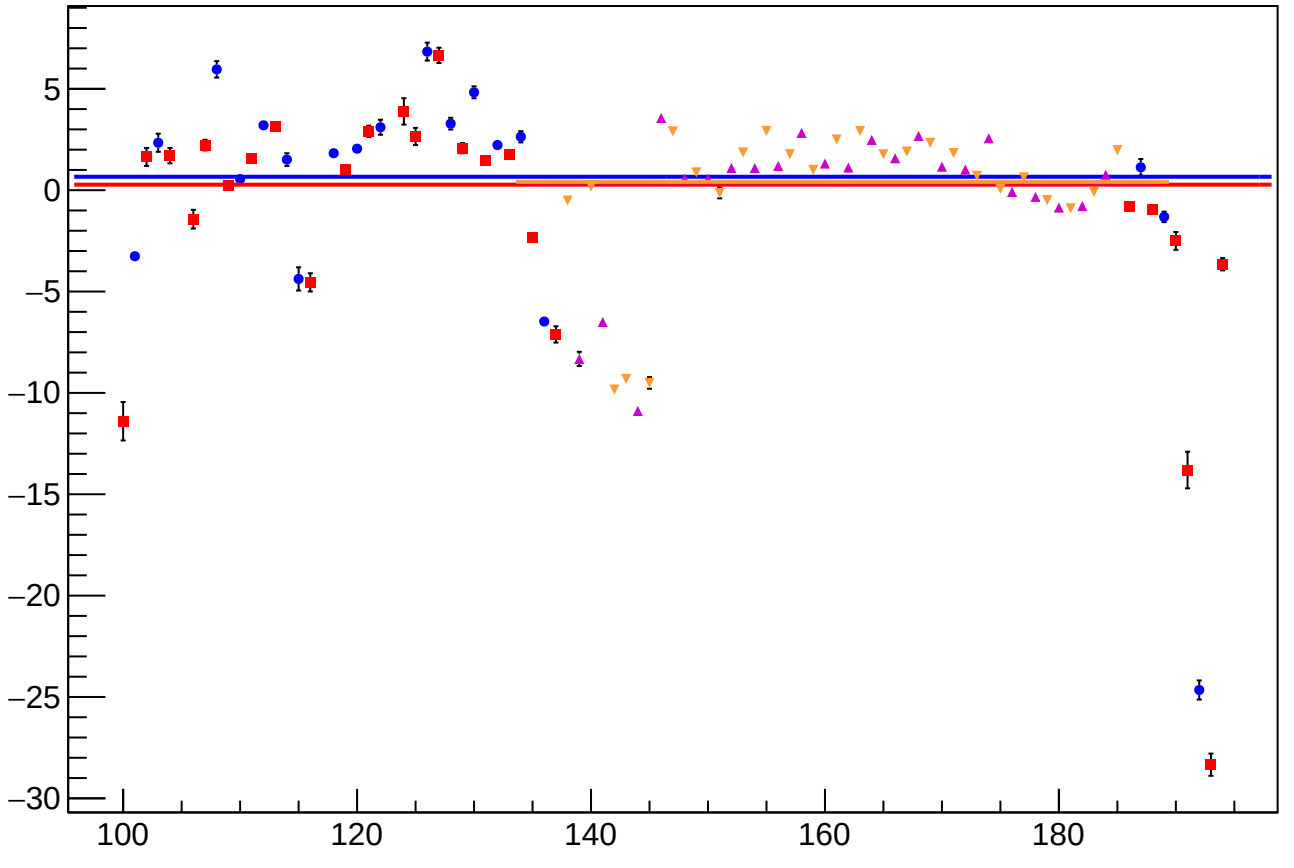
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: -1.075+/-0.032 χ^2/NDF: 225888.4/43

In: -0.268+/-0.031 χ^2/NDF:244962.9/41

Out: 0.989+/-0.028 χ^2/NDF:293831.9/49

All: 0.425+/-0.021 χ^2/NDF: 539673.5/91



Right In: 0.663+/-0.058 χ^2/NDF: 5601.0/18

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.274+/-0.051 χ^2/NDF: 5053.8/24

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

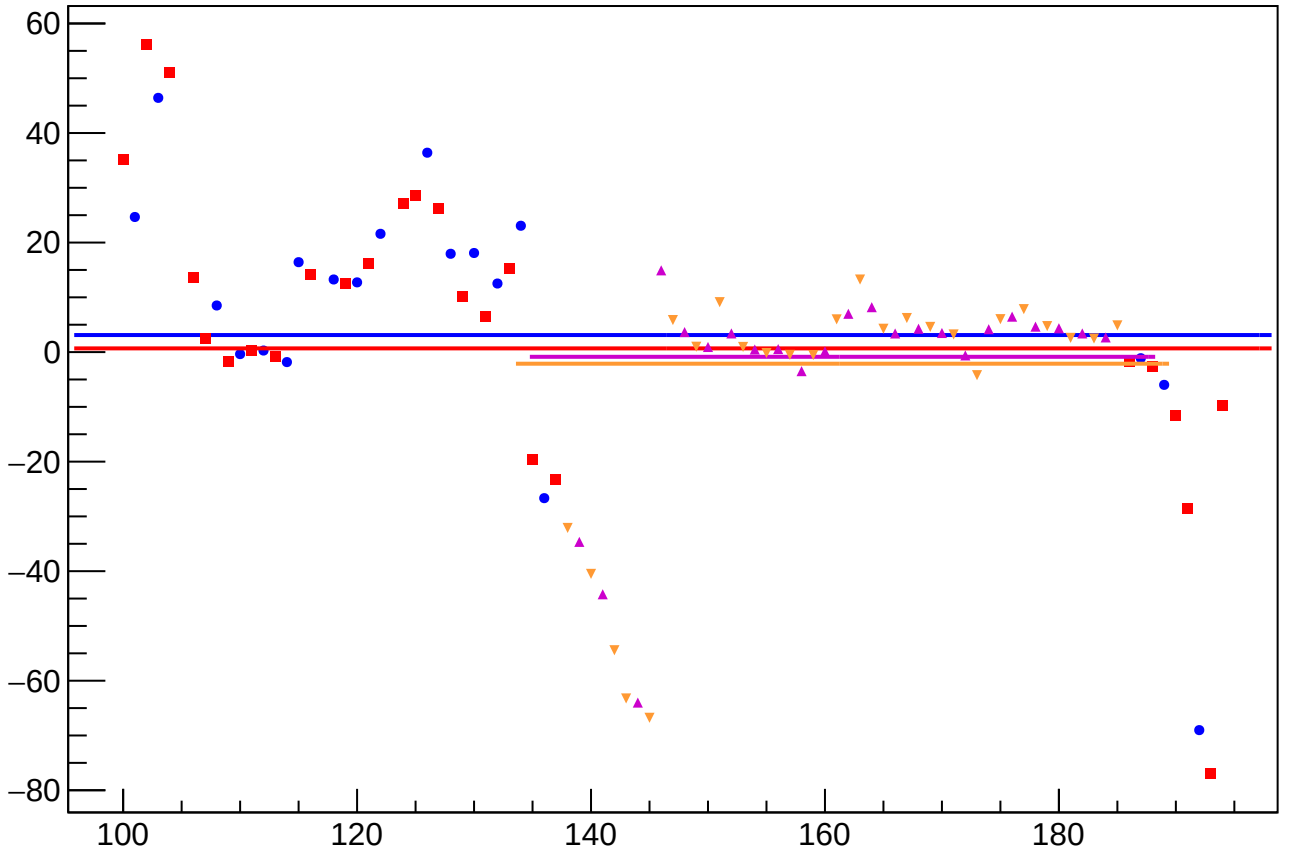
Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

Right: 0.444+/-0.038 χ^2/NDF: 10680.6/43

In: 0.452+/-0.028 χ^2/NDF:12732.7/41

Out: 0.372+/-0.027 χ^2/NDF:12106.4/49

All: 0.412+/-0.019 χ^2/NDF: 24843.2/91



Right In: 3.114+/-0.058 χ^2/NDF: 108538.0/18

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: 0.678+/-0.045 χ^2/NDF: 113172.4/24

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

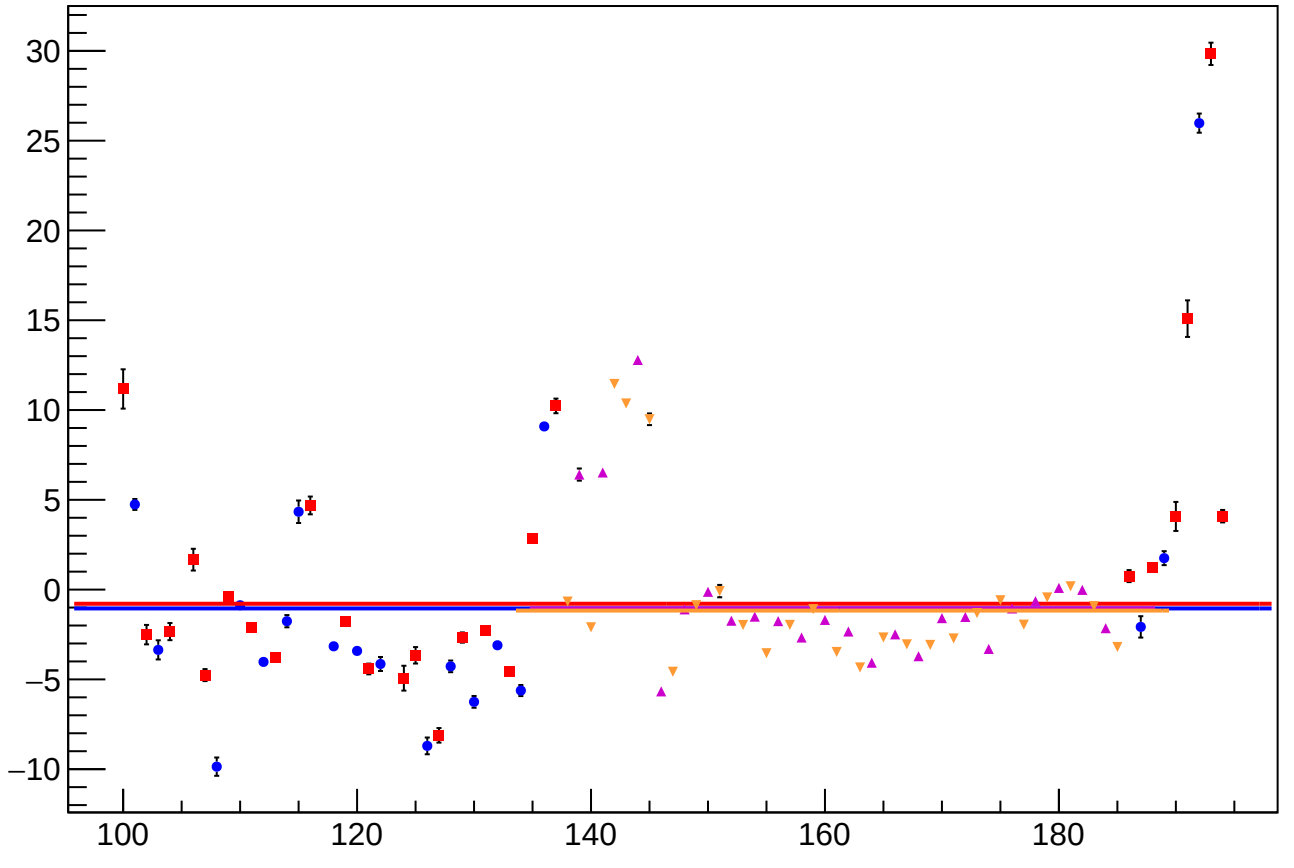
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: 1.576+/-0.035 χ^2/NDF: 222811.9/43

In: 0.379+/-0.033 χ^2/NDF:240816.3/41

Out: -0.868+/-0.030 χ^2/NDF:286386.9/49

All: -0.299+/-0.022 χ^2/NDF: 528000.6/91



Right In: -1.049+/-0.067 χ^2/NDF: 7207.4/18

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -0.788+/-0.059 χ^2/NDF: 5630.7/24

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

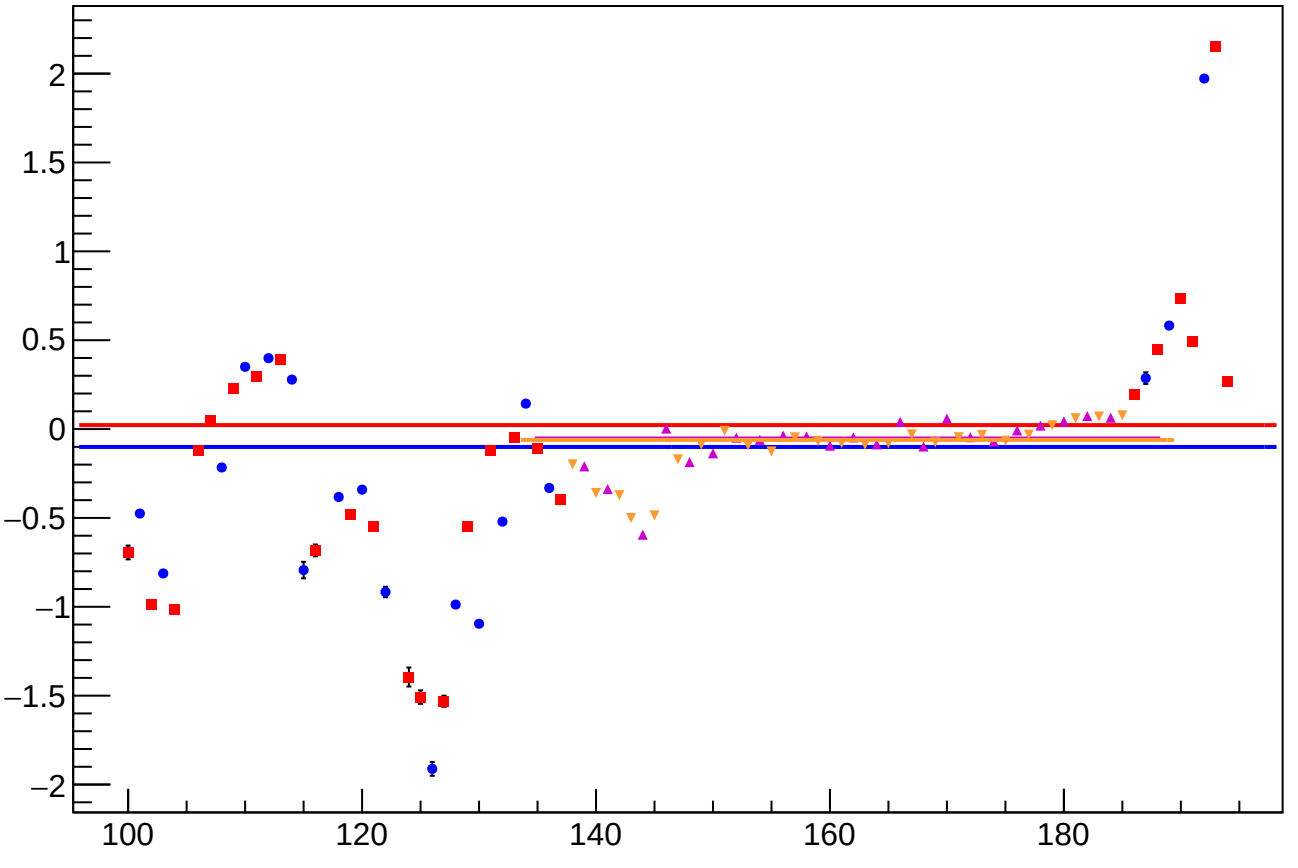
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -0.903+/-0.044 χ^2/NDF: 12846.7/43

In: -1.048+/-0.031 χ^2/NDF:14248.2/41

Out: -1.065+/-0.031 χ^2/NDF:12661.9/49

All: -1.057+/-0.022 χ^2/NDF: 26910.2/91



Right In: -0.101+/-0.004 χ^2/NDF: 30528.4/18

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.022+/-0.003 χ^2/NDF: 33042.6/24

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

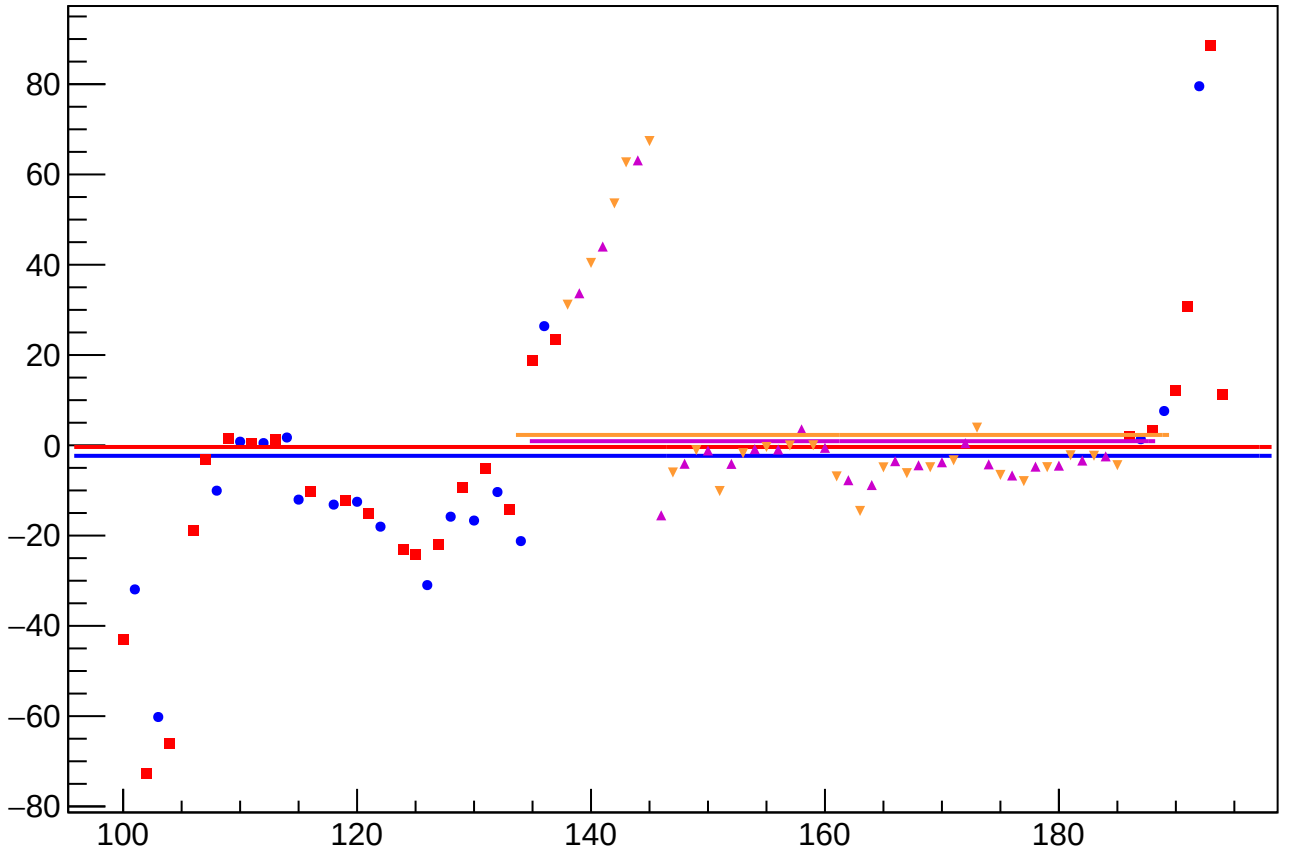
Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

Right: -0.029+/-0.003 χ^2/NDF: 64157.6/43

In: -0.059+/-0.001 χ^2/NDF:35665.4/41

Out: -0.045+/-0.001 χ^2/NDF:39301.0/49

All: -0.052+/-0.001 χ^2/NDF: 75014.5/91



Right In: -2.333+/-0.052 χ^2/NDF: 110102.1/18

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: -0.372+/-0.040 χ^2/NDF: 114899.4/24

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

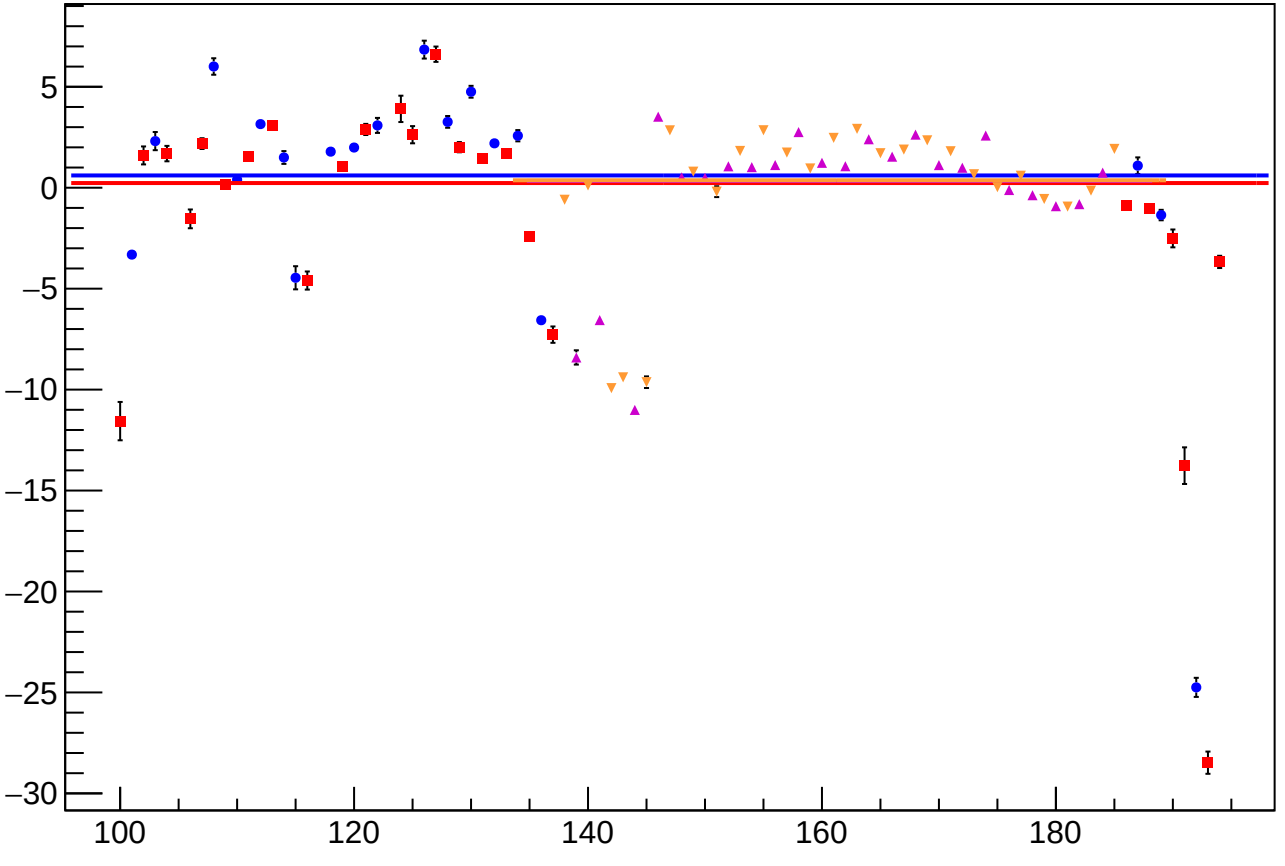
Right: -1.114+/-0.032 χ^2/NDF: 225893.6/43

In: -0.299+/-0.032 χ^2/NDF:245138.2/41

Out: 0.965+/-0.029 χ^2/NDF:294271.7/49

All: 0.398+/-0.021 χ^2/NDF: 540291.1/91

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.608+/-0.058 χ^2/NDF: 5597.5/18

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.232+/-0.051 χ^2/NDF: 5054.7/24

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

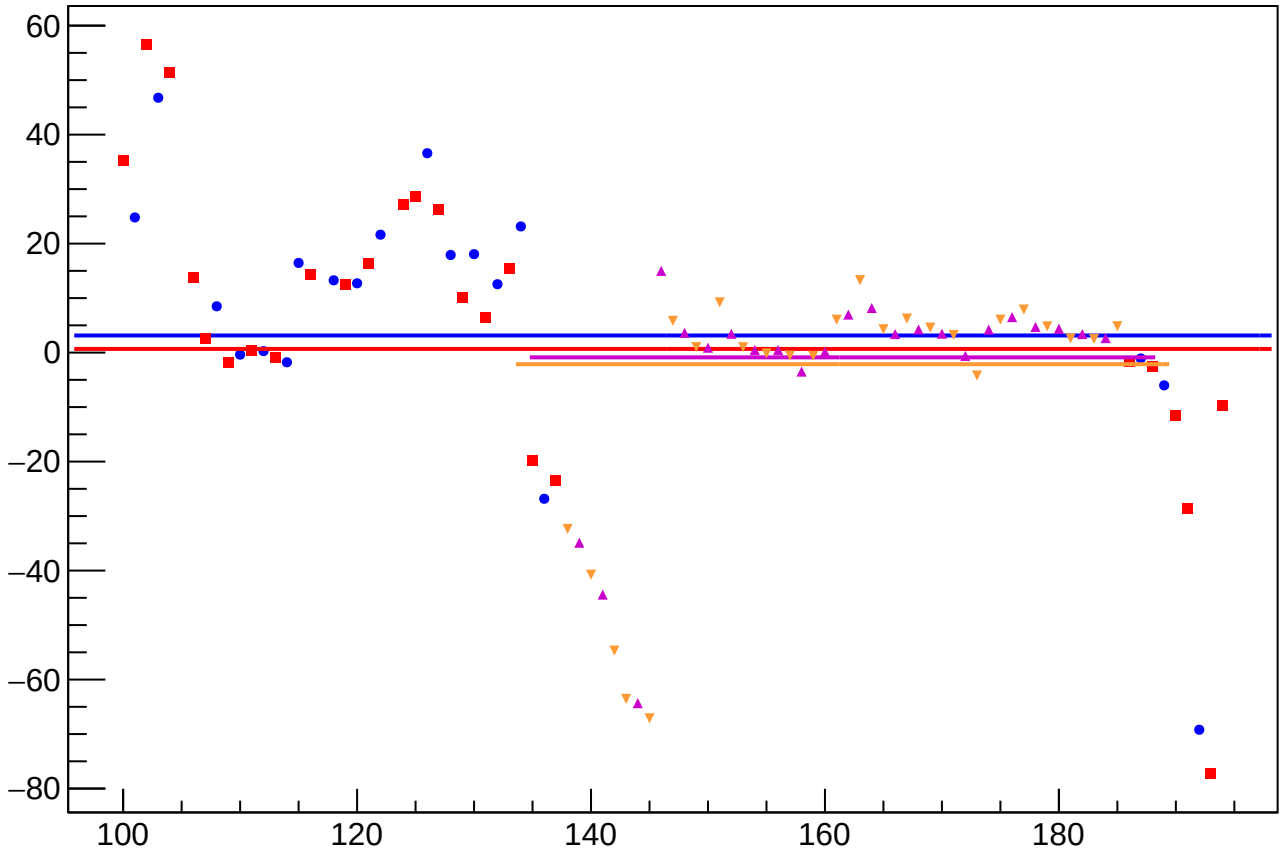
Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

Right: 0.396+/-0.038 χ^2/NDF: 10676.1/43

In: 0.399+/-0.028 χ^2/NDF:12708.8/41

Out: 0.327+/-0.028 χ^2/NDF:12127.7/49

All: 0.363+/-0.020 χ^2/NDF: 24839.8/91



Right In: 3.140+/-0.059 χ^2/NDF: 108538.5/18

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: 0.672+/-0.045 χ^2/NDF: 113209.2/24

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

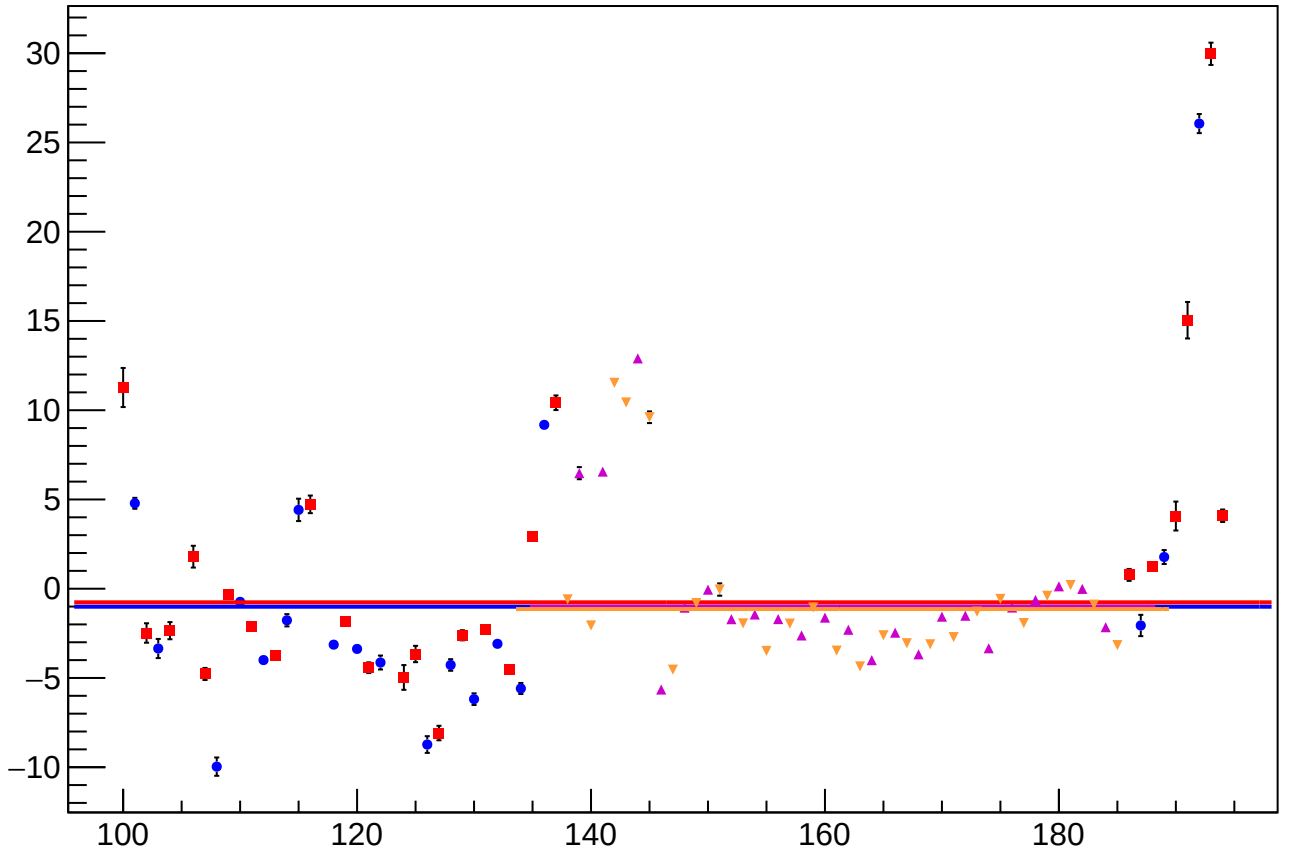
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

Right: 1.579+/-0.036 χ^2/NDF: 222866.9/43

In: 0.375+/-0.033 χ^2/NDF:241025.4/41

Out: -0.876+/-0.030 χ^2/NDF:286847.7/49

All: -0.306+/-0.022 χ^2/NDF: 528670.1/91



Right In: -1.008+/-0.068 χ^2/NDF: 7209.8/18

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.762+/-0.060 χ^2/NDF: 5642.2/24

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

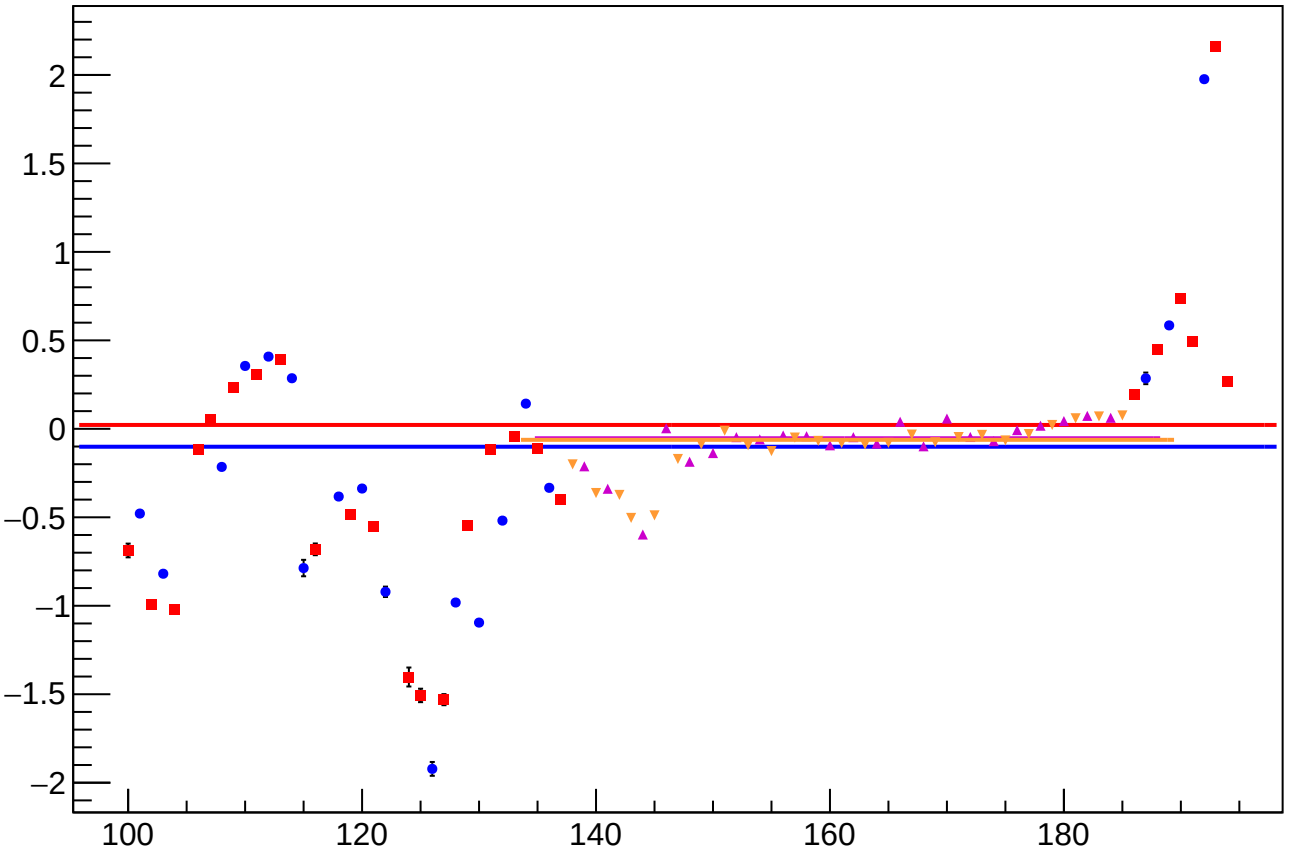
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -0.870+/-0.045 χ^2/NDF: 12859.4/43

In: -1.012+/-0.031 χ^2/NDF:14237.0/41

Out: -1.038+/-0.031 χ^2/NDF:12694.3/49

All: -1.025+/-0.022 χ^2/NDF: 26931.6/91



Right In: -0.101+/-0.004 χ^2/NDF: 30531.2/18

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.022+/-0.003 χ^2/NDF: 33001.9/24

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

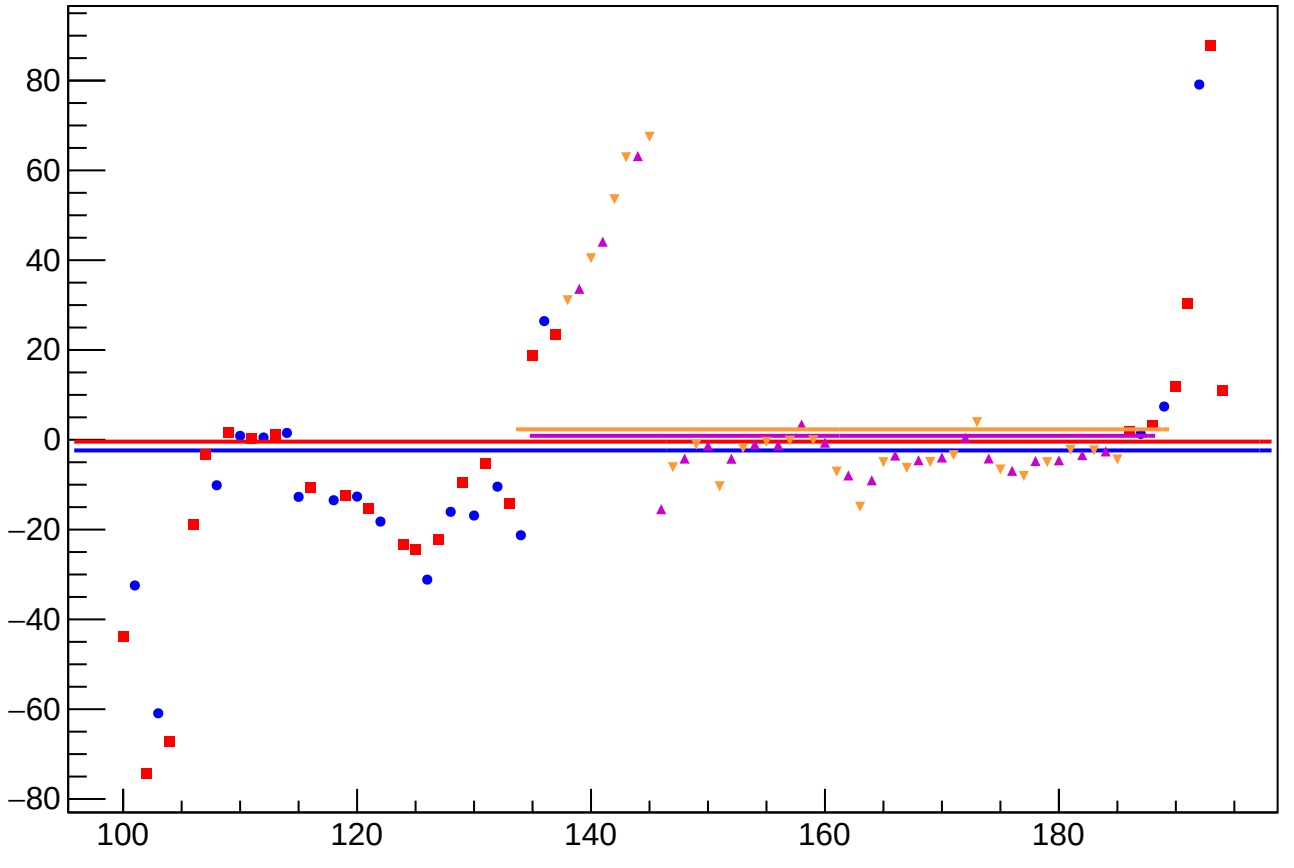
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: -0.029+/-0.003 χ^2/NDF: 64115.4/43

In: -0.059+/-0.001 χ^2/NDF:35655.9/41

Out: -0.046+/-0.001 χ^2/NDF:39269.4/49

All: -0.053+/-0.001 χ^2/NDF: 74969.1/91



Right In: -2.371+/-0.053 χ^2/NDF: 108534.9/18

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: -0.407+/-0.041 χ^2/NDF: 113386.3/24

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

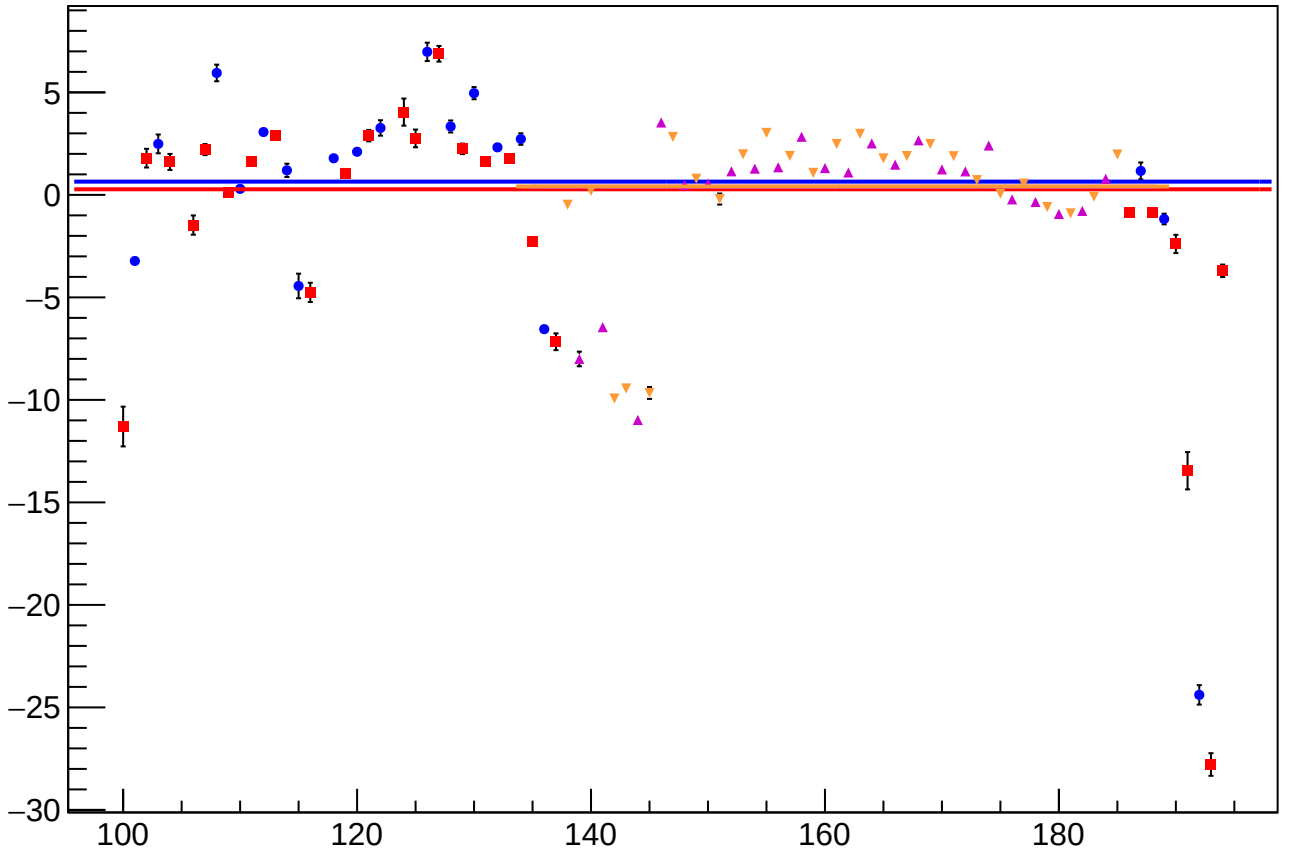
Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

Right: -1.151+/-0.032 χ^2/NDF: 222785.3/43

In: -0.334+/-0.032 χ^2/NDF:241346.1/41

Out: 0.963+/-0.029 χ^2/NDF:290249.2/49

All: 0.381+/-0.022 χ^2/NDF: 532487.5/91



Right In: 0.646+/-0.059 χ^2/NDF: 5454.0/18

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.273+/-0.052 χ^2/NDF: 4838.2/24

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

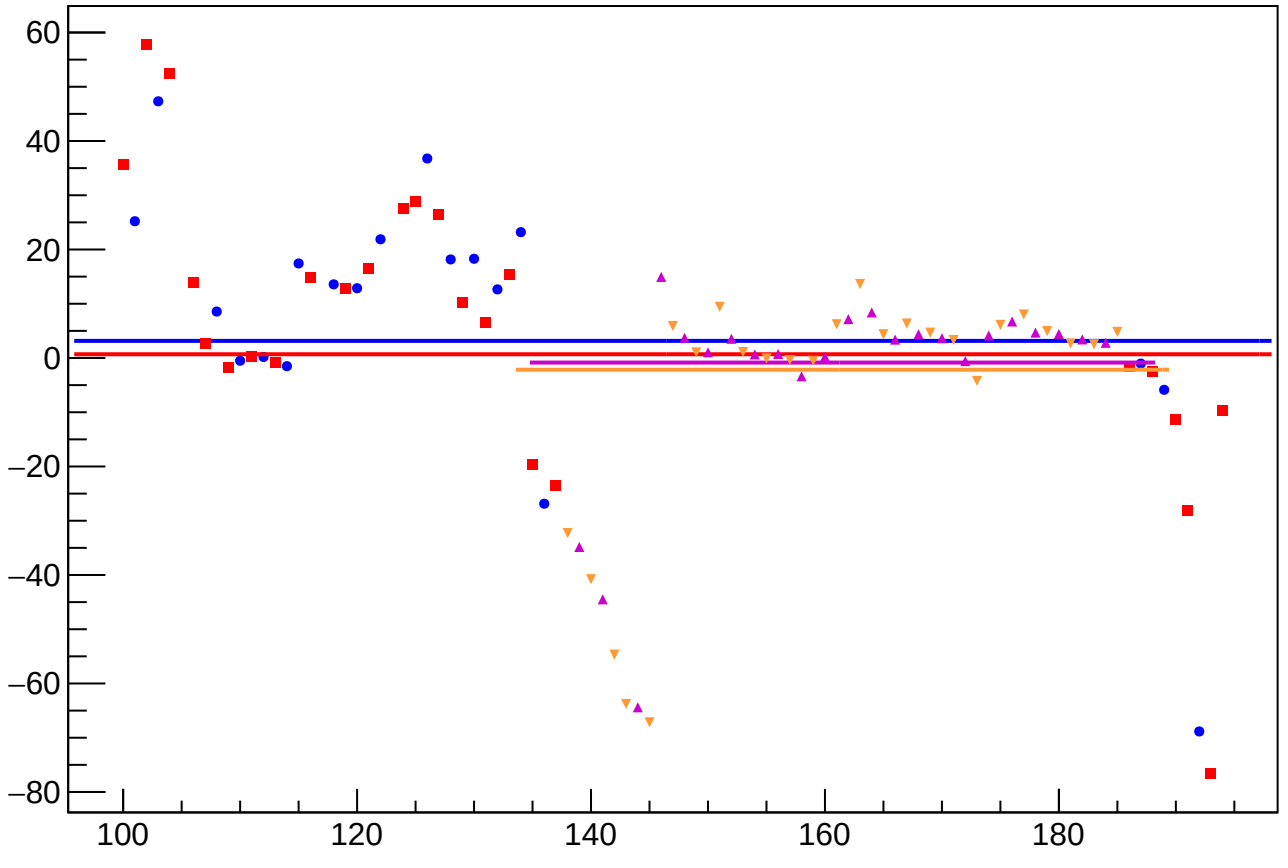
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 0.436+/-0.039 χ^2/NDF: 10315.0/43

In: 0.454+/-0.028 χ^2/NDF:12399.9/41

Out: 0.369+/-0.028 χ^2/NDF:11891.1/49

All: 0.411+/-0.020 χ^2/NDF: 24295.5/91



Right In: 3.155+/-0.060 χ^2/NDF: 107044.1/18

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: 0.690+/-0.045 χ^2/NDF: 111721.1/24

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

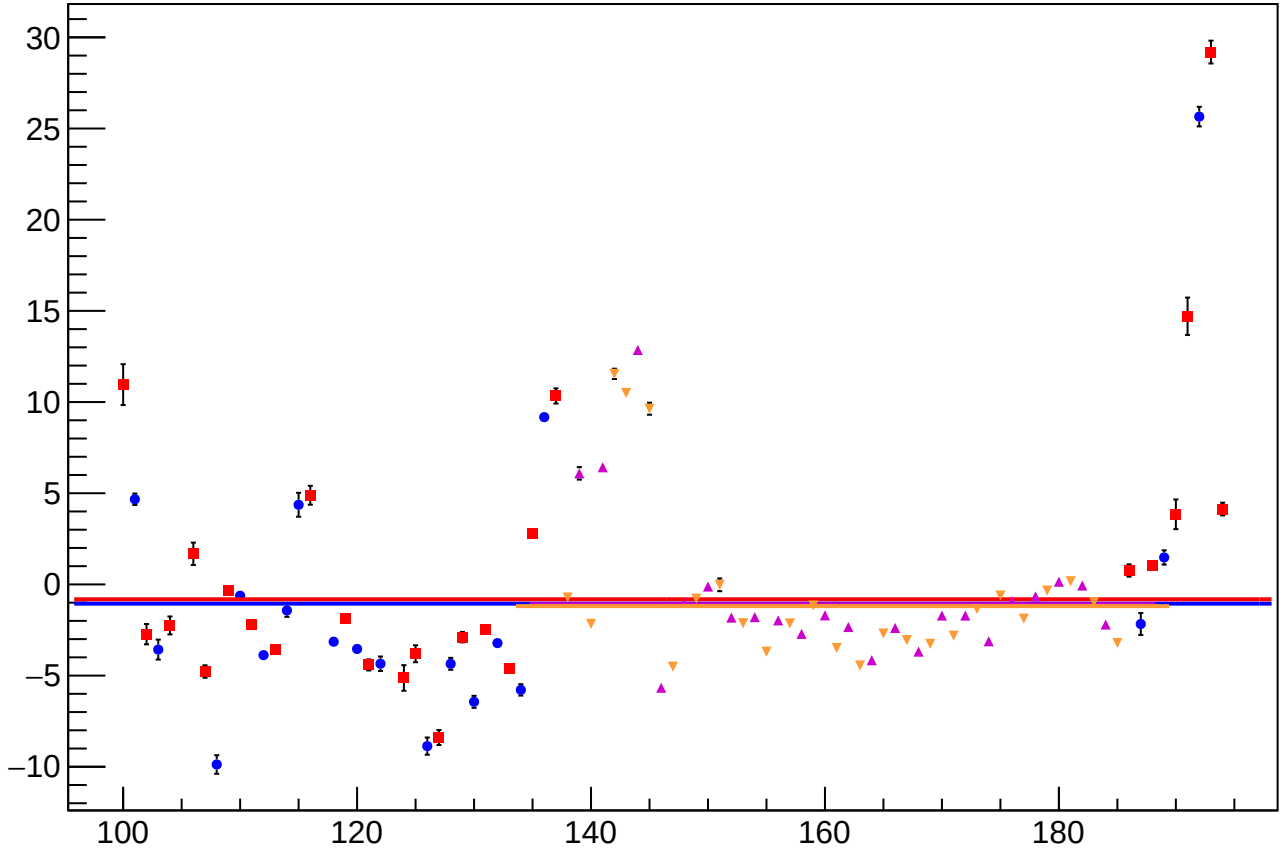
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: 1.595+/-0.036 χ^2/NDF: 219850.0/43

In: 0.408+/-0.033 χ^2/NDF:237276.5/41

Out: -0.877+/-0.030 χ^2/NDF:282888.7/49

All: -0.292+/-0.022 χ^2/NDF: 520976.9/91



Right In: -1.054+/-0.069 χ^2/NDF: 7051.3/18

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -0.815+/-0.061 χ^2/NDF: 5423.7/24

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

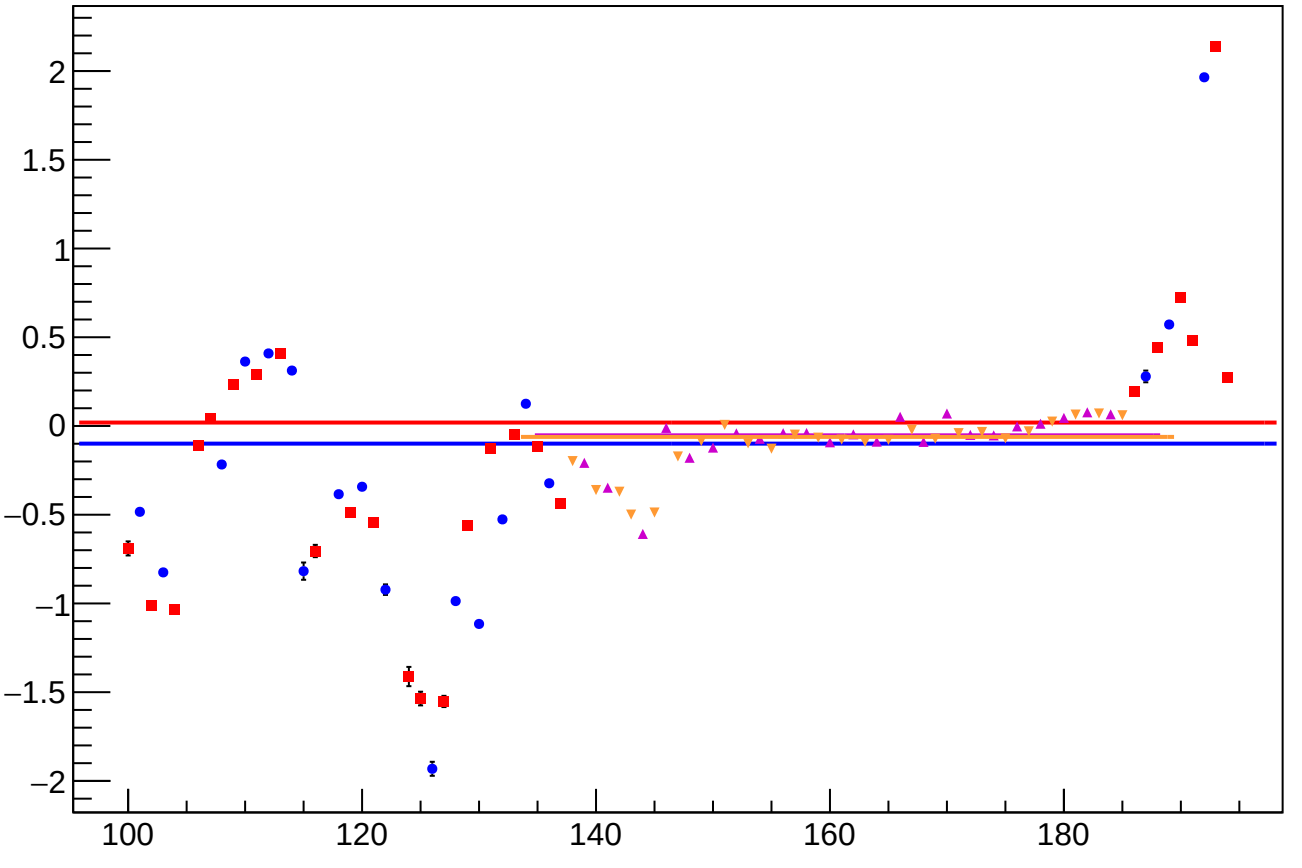
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -0.920+/-0.045 χ^2/NDF: 12481.8/43

In: -1.082+/-0.032 χ^2/NDF:13892.3/41

Out: -1.089+/-0.032 χ^2/NDF:12447.5/49

All: -1.085+/-0.022 χ^2/NDF: 26339.8/91



Right In: -0.099+/-0.004 χ^2/NDF: 29943.9/18

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.019+/-0.003 χ^2/NDF: 32542.2/24

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

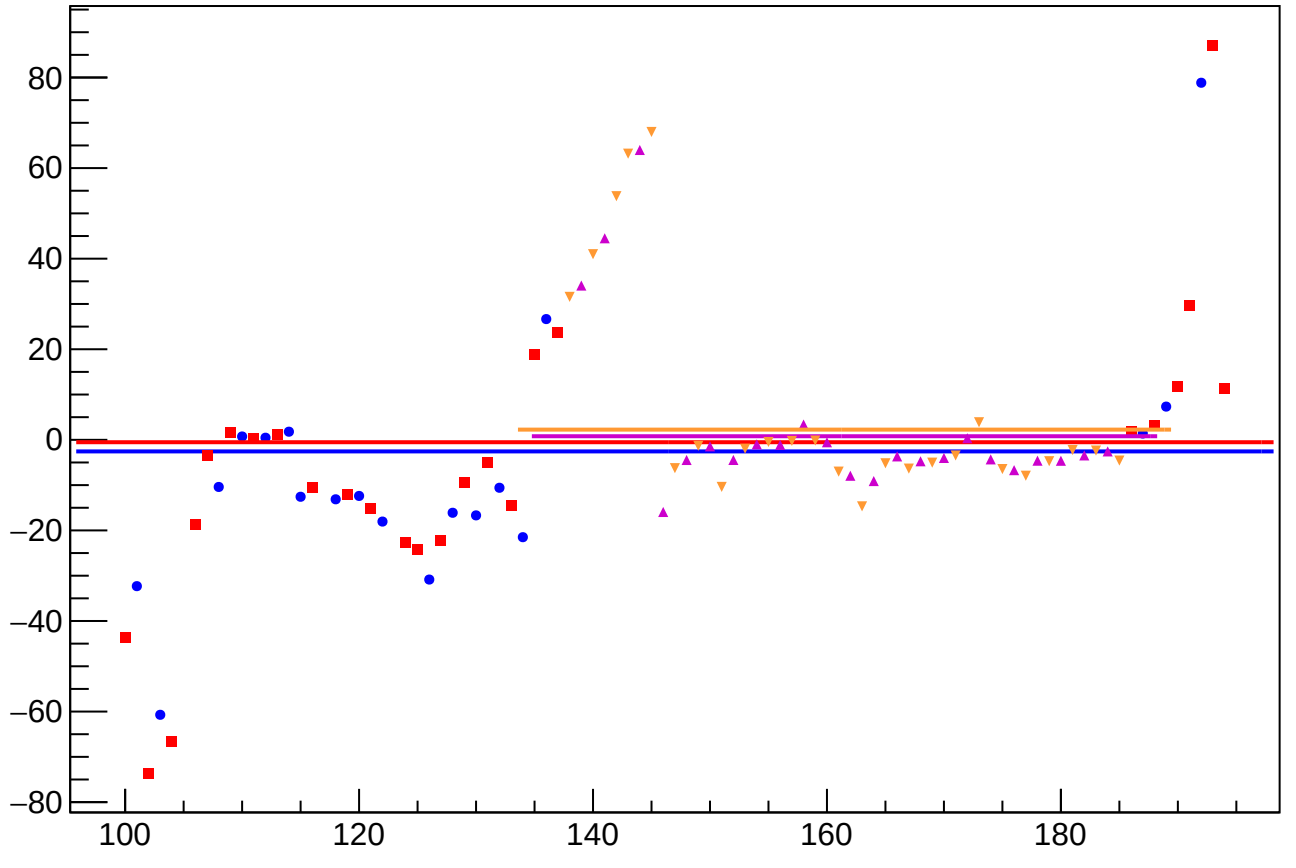
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: -0.030+/-0.003 χ^2/NDF: 63013.0/43

In: -0.059+/-0.001 χ^2/NDF:35101.1/41

Out: -0.046+/-0.001 χ^2/NDF:38582.9/49

All: -0.053+/-0.001 χ^2/NDF: 73722.7/91



Right In: -2.557+/-0.054 χ^2/NDF: 106693.7/18

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: -0.528+/-0.042 χ^2/NDF: 111222.1/24

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

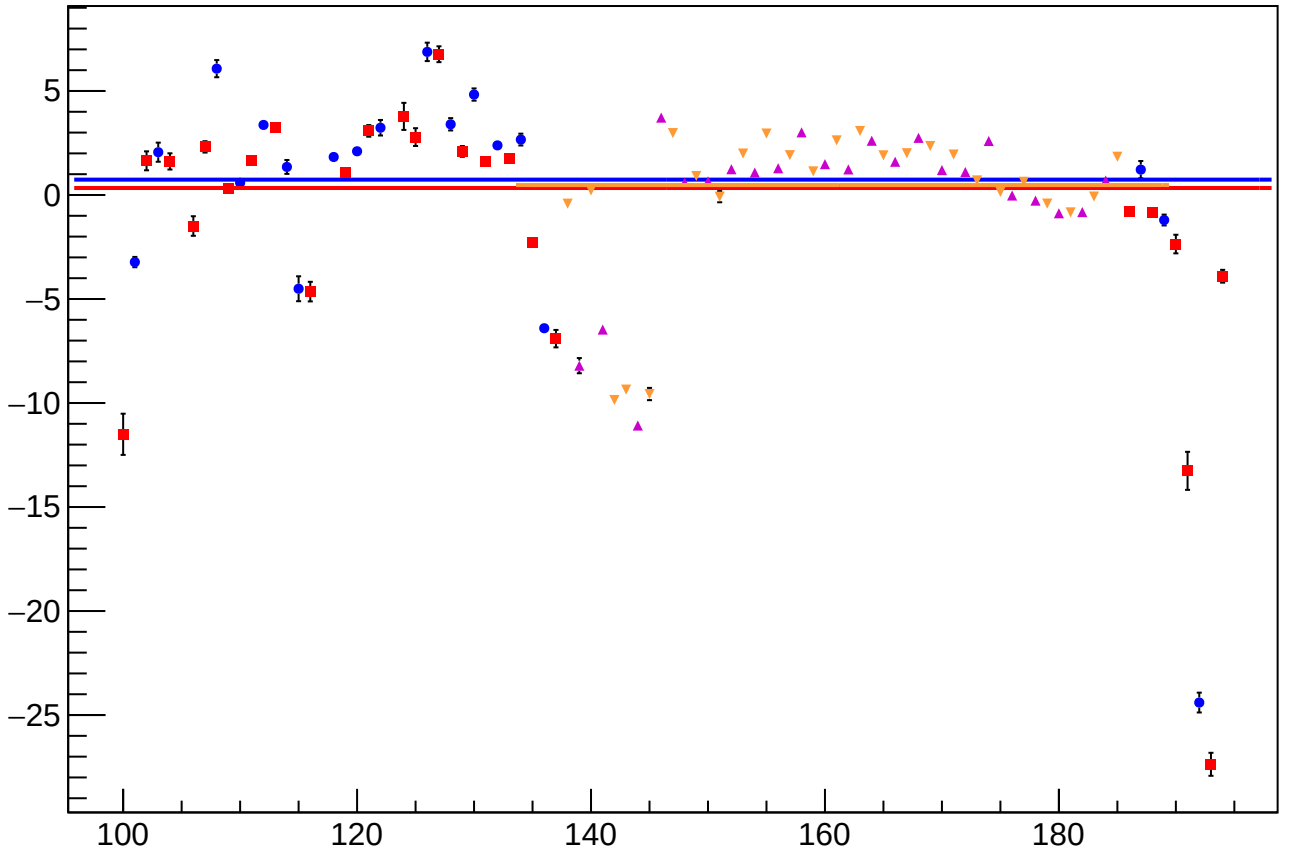
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: -1.302+/-0.033 χ^2/NDF: 218803.3/43

In: -0.450+/-0.033 χ^2/NDF:237981.4/41

Out: 0.883+/-0.030 χ^2/NDF:285109.7/49

All: 0.283+/-0.022 χ^2/NDF: 524007.5/91



Right In: 0.739+/-0.059 χ^2/NDF: 5352.8/18

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.336+/-0.052 χ^2/NDF: 4726.1/24

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

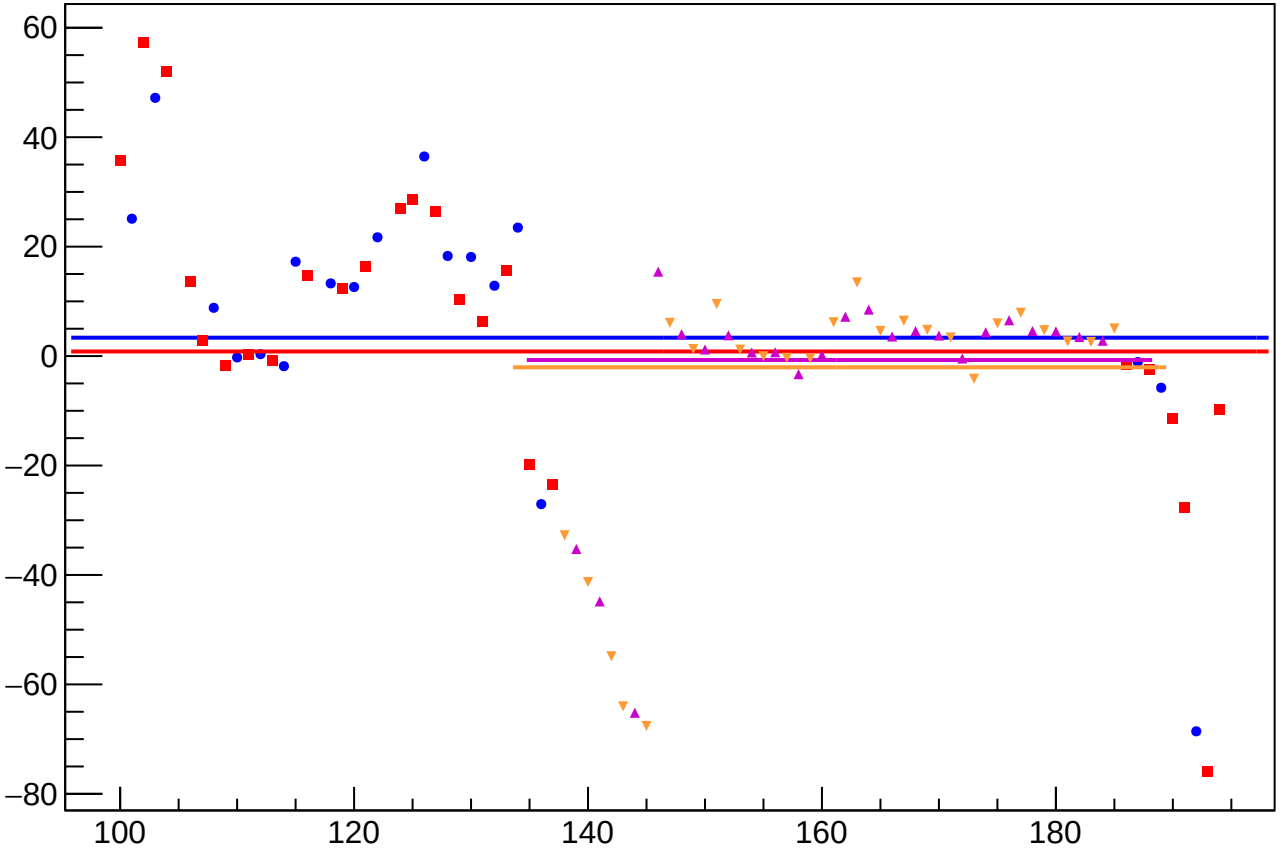
Right: 0.512+/-0.039 χ^2/NDF: 10104.9/43

In: 0.509+/-0.028 χ^2/NDF:12266.1/41

Out: 0.437+/-0.028 χ^2/NDF:11539.4/49

All: 0.472+/-0.020 χ^2/NDF: 23808.7/91

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.362+/-0.060 χ^2/NDF: 105183.9/18

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: 0.840+/-0.046 χ^2/NDF: 109569.3/24

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

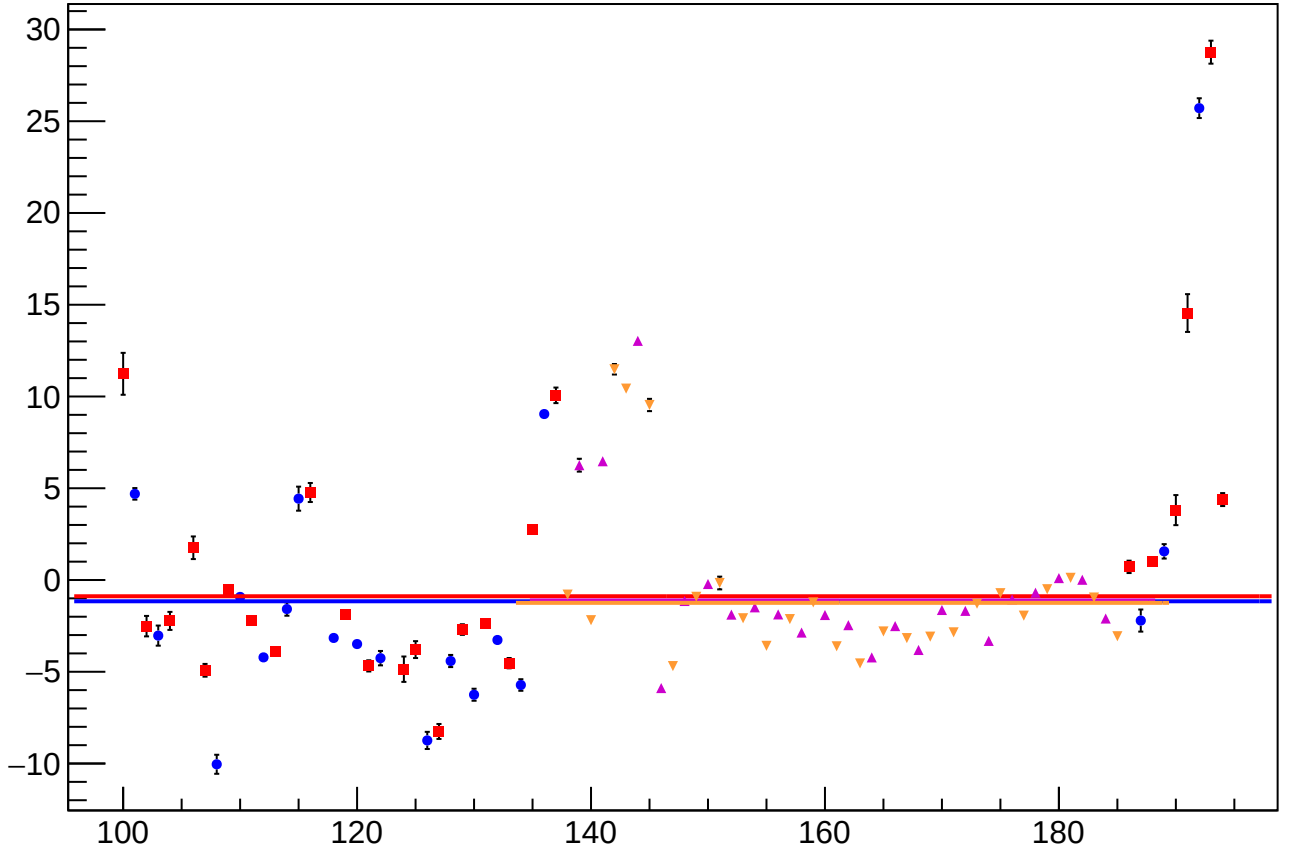
Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

Right: 1.770+/-0.037 χ^2/NDF: 215857.7/43

In: 0.553+/-0.034 χ^2/NDF:233870.2/41

Out: -0.758+/-0.031 χ^2/NDF:277754.4/49

All: -0.160+/-0.023 χ^2/NDF: 512448.6/91



Right In: -1.159+/-0.069 χ^2/NDF: 6883.2/18

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -0.885+/-0.062 χ^2/NDF: 5276.6/24

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

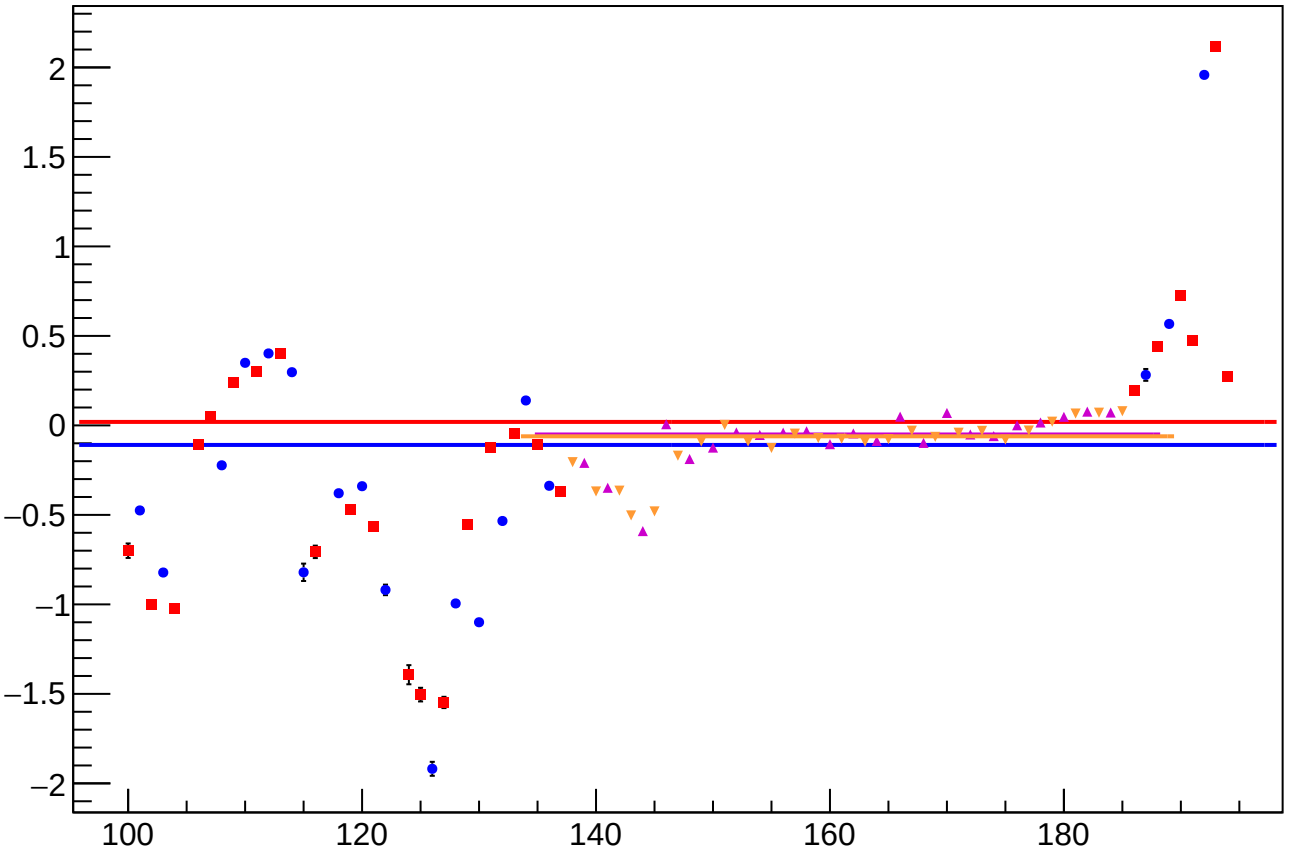
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -1.006+/-0.046 χ^2/NDF: 12168.5/43

In: -1.126+/-0.032 χ^2/NDF:13723.8/41

Out: -1.148+/-0.032 χ^2/NDF:12070.1/49

All: -1.137+/-0.023 χ^2/NDF: 25794.1/91



Right In: -0.109+/-0.004 χ^2/NDF: 29394.9/18

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

Right Out: 0.019+/-0.003 χ^2/NDF: 31672.9/24

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

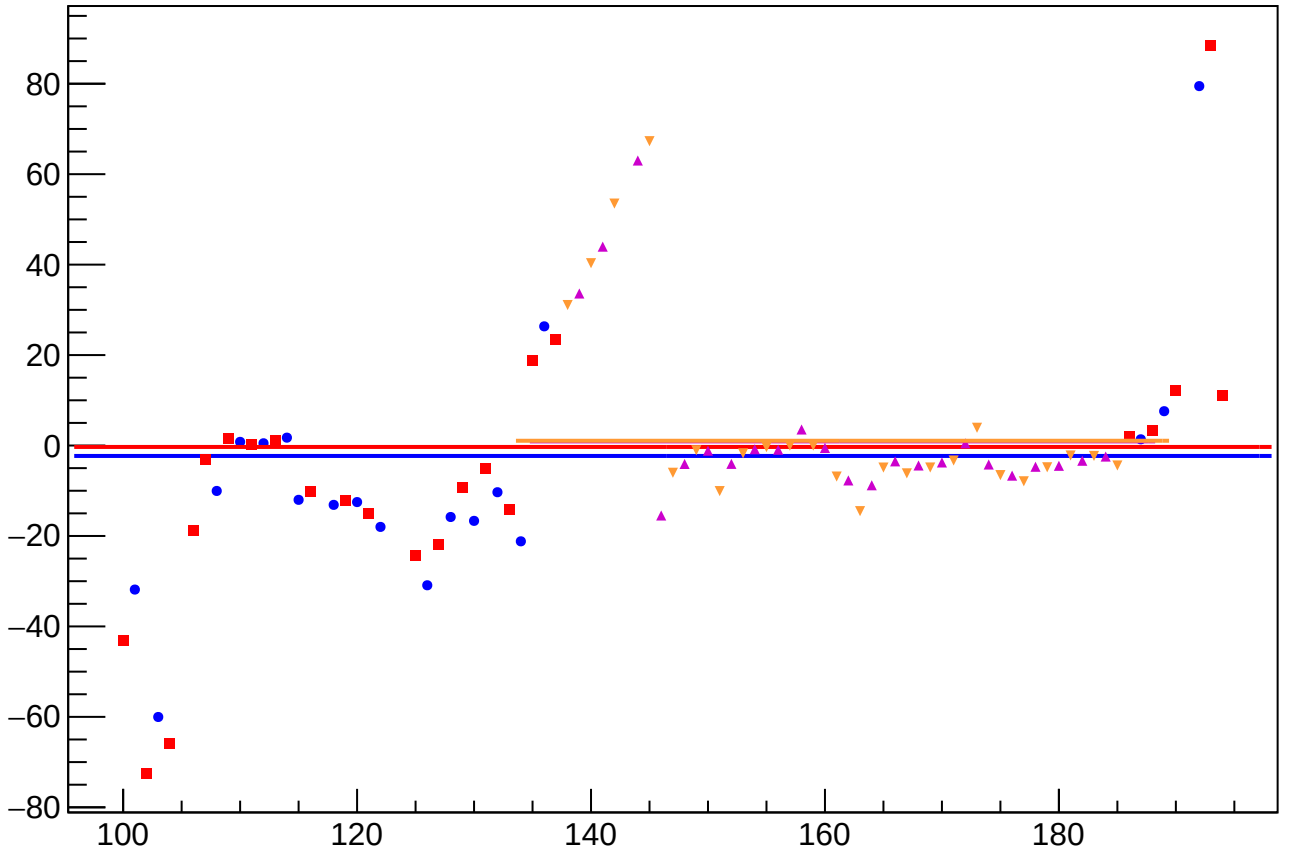
Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

Right: -0.034+/-0.003 χ^2/NDF: 61667.5/43

In: -0.058+/-0.001 χ^2/NDF:34458.3/41

Out: -0.046+/-0.001 χ^2/NDF:37609.2/49

All: -0.052+/-0.001 χ^2/NDF: 72104.2/91



Right In: -2.306+/-0.052 χ^2/NDF: 110301.2/18

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

Right Out: -0.314+/-0.040 χ^2/NDF: 112258.0/22

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

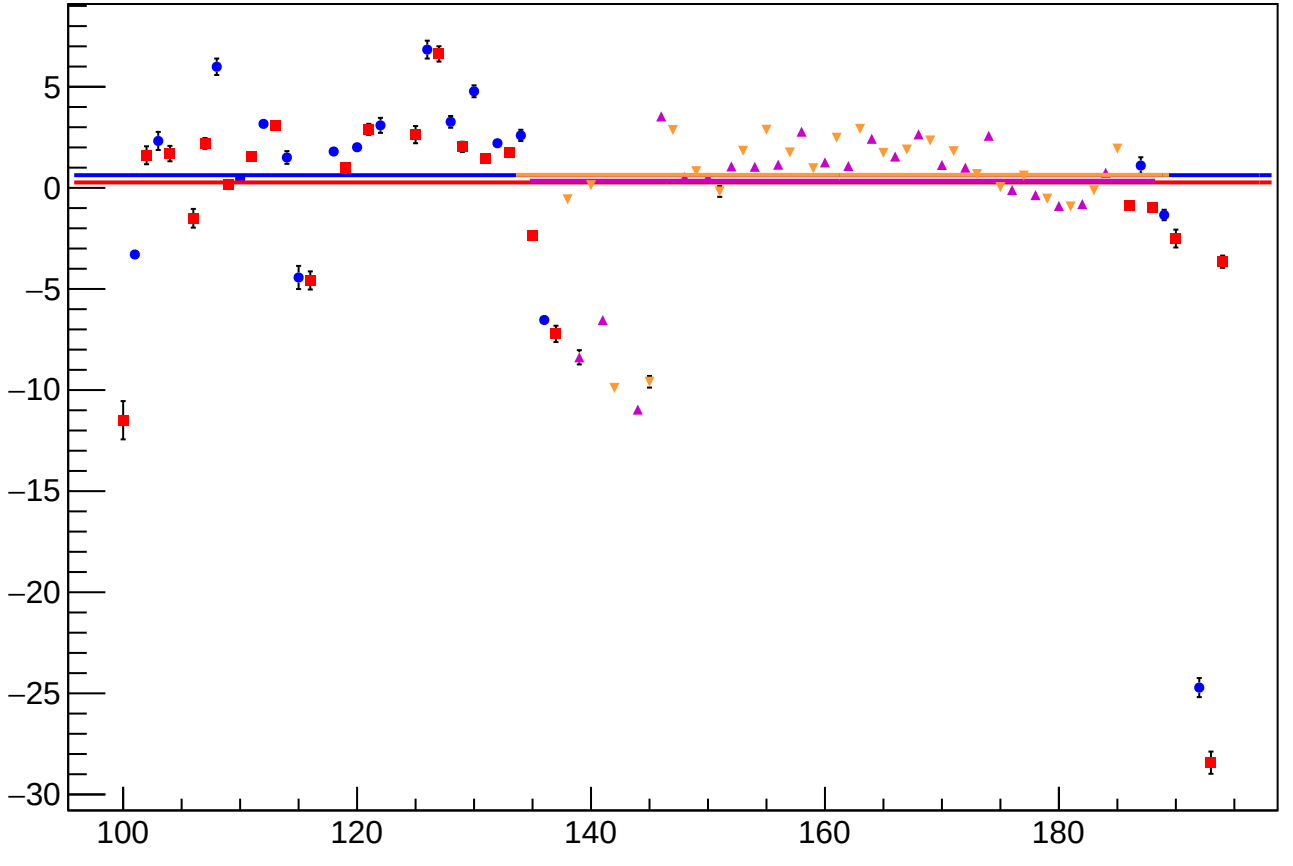
Right: -1.071+/-0.032 χ^2/NDF: 223485.2/41

In: -0.290+/-0.032 χ^2/NDF:245550.5/41

Out: 0.366+/-0.029 χ^2/NDF:243860.5/46

All: 0.069+/-0.021 χ^2/NDF: 489648.6/88

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.627+/-0.058 χ^2/NDF: 5608.2/18

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

Right Out: 0.269+/-0.051 χ^2/NDF: 4791.6/22

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

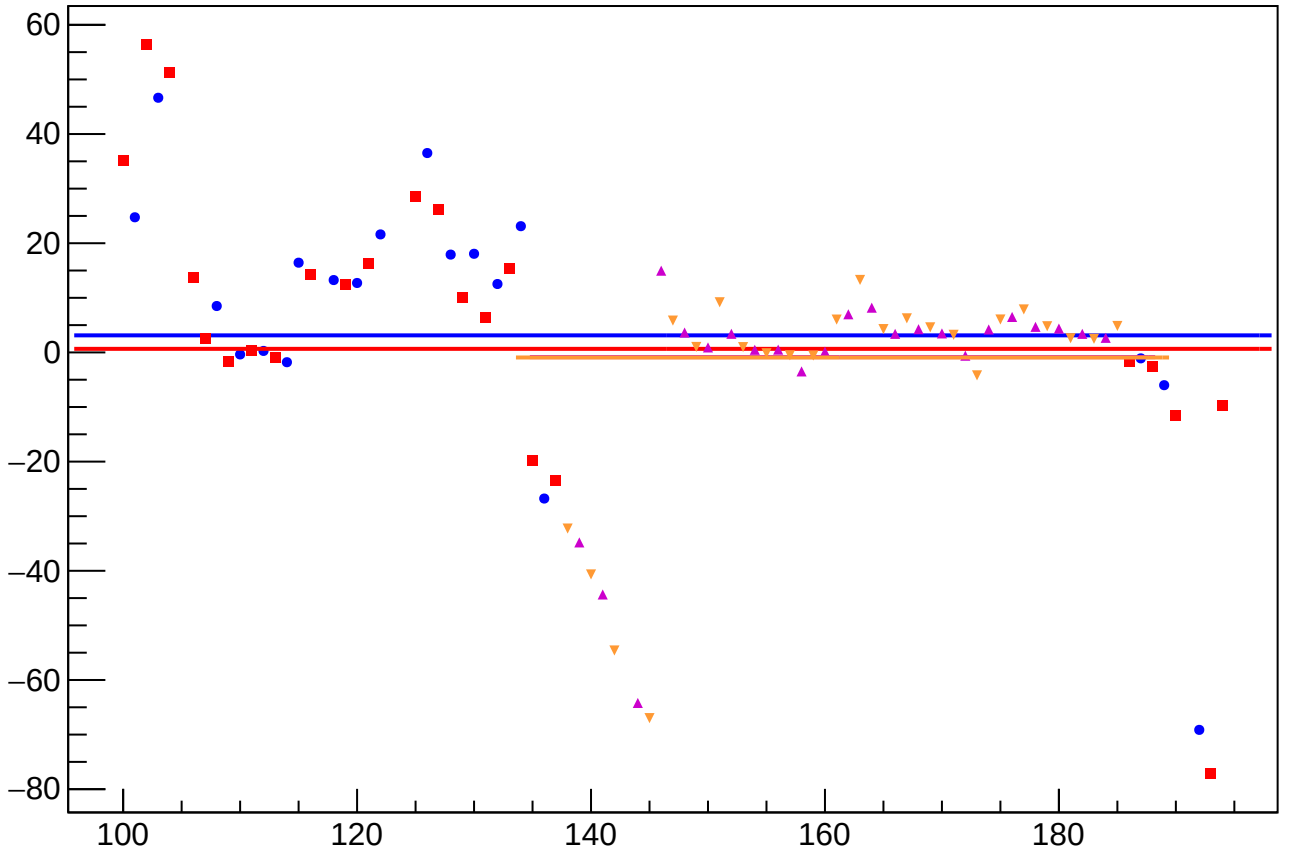
Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

Right: 0.426+/-0.038 χ^2/NDF: 10421.5/41

In: 0.417+/-0.028 χ^2/NDF:12742.4/41

Out: 0.532+/-0.028 χ^2/NDF:9540.7/46

All: 0.474+/-0.020 χ^2/NDF: 22291.6/88



Right In: 3.125+/-0.058 χ^2/NDF: 108726.4/18

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

Right Out: 0.654+/-0.045 χ^2/NDF: 110630.3/22

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

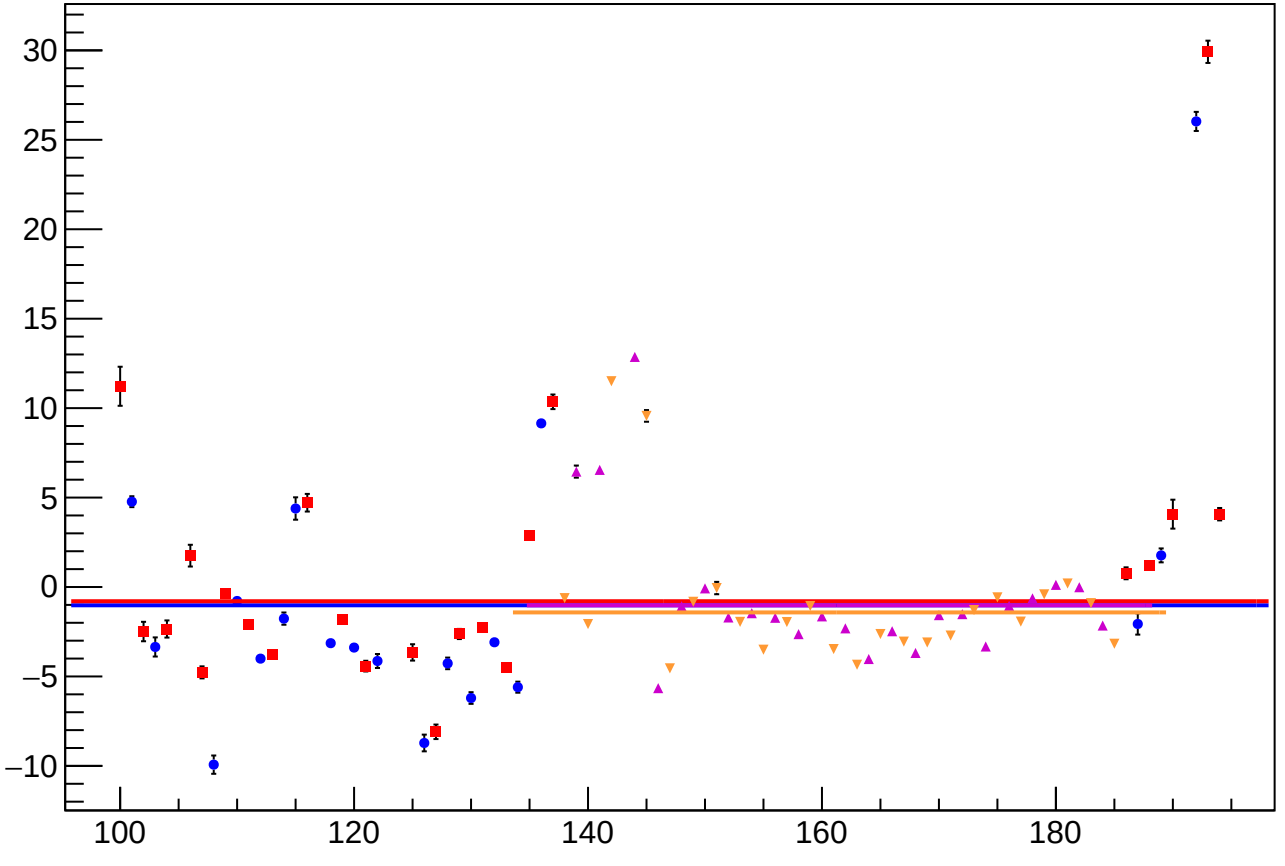
Right: 1.567+/-0.036 χ^2/NDF: 220484.3/41

In: 0.378+/-0.033 χ^2/NDF:241417.5/41

Out: -0.215+/-0.030 χ^2/NDF:237696.5/46

All: 0.057+/-0.022 χ^2/NDF: 479293.2/88

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.022+/-0.067 χ^2/NDF: 7223.2/18

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

Right Out: -0.795+/-0.060 χ^2/NDF: 5371.8/22

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

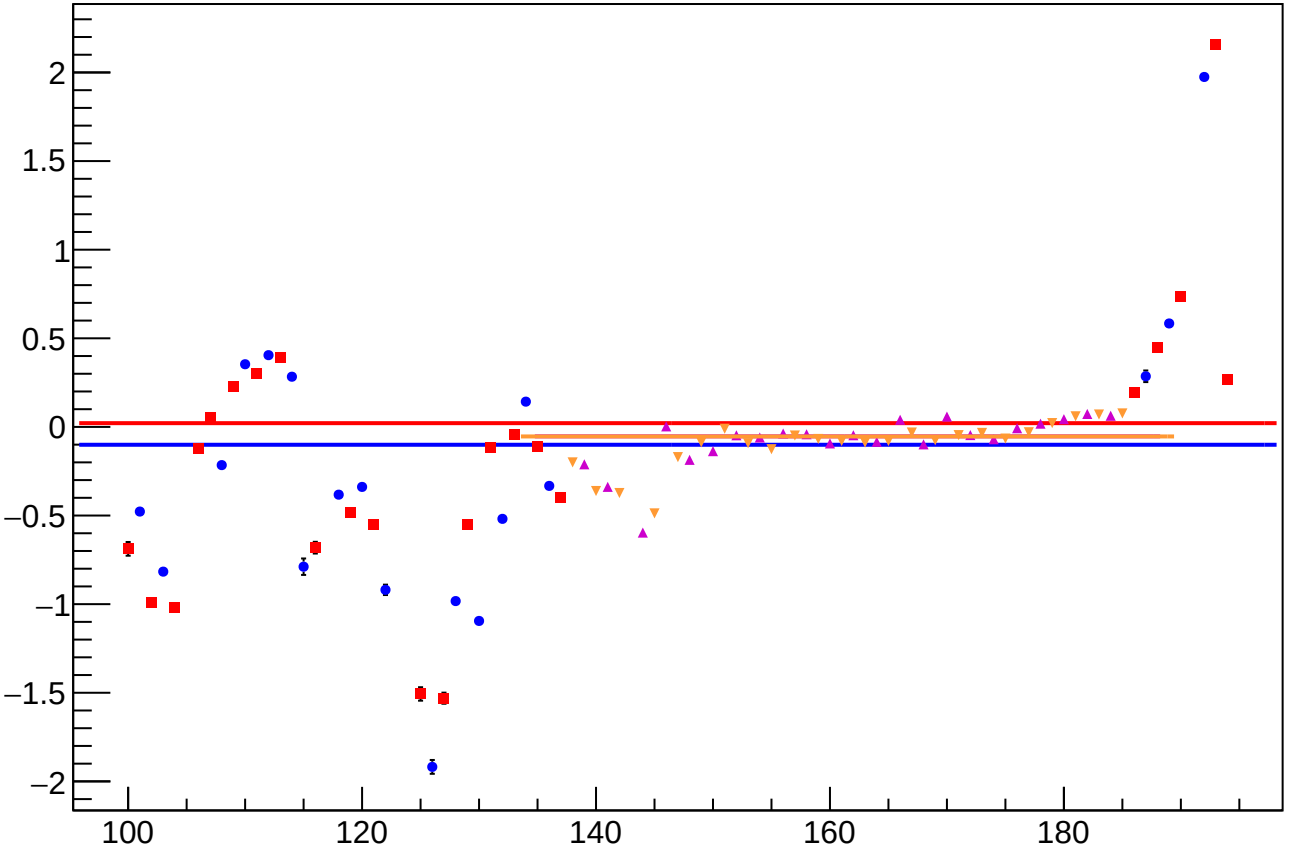
Right: -0.895+/-0.045 χ^2/NDF: 12601.4/41

In: -1.025+/-0.031 χ^2/NDF:14270.3/41

Out: -1.249+/-0.031 χ^2/NDF:10093.4/46

All: -1.136+/-0.022 χ^2/NDF: 24389.8/88

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.101+/-0.004 χ^2/NDF: 30581.8/18

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

Right Out: 0.021+/-0.003 χ^2/NDF: 32083.0/22

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

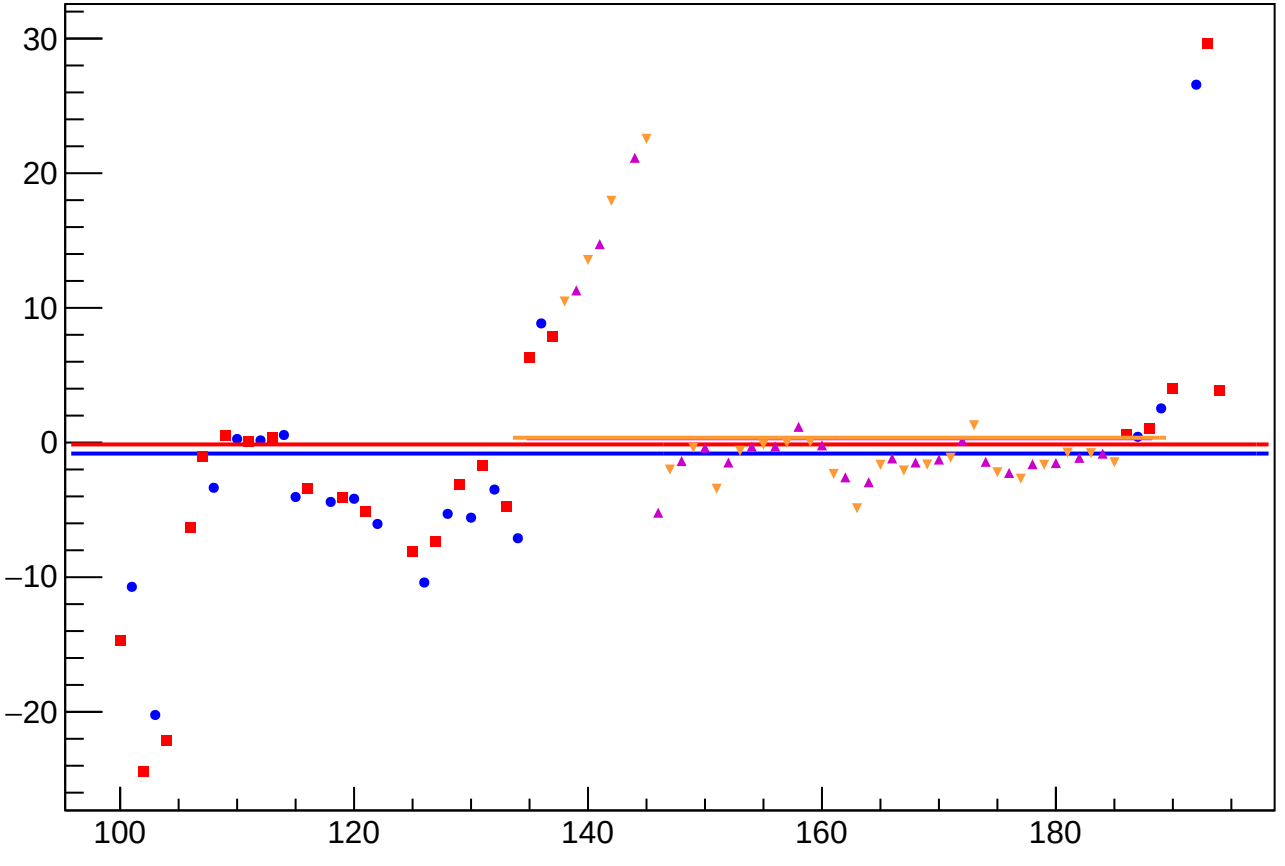
Right: -0.030+/-0.003 χ^2/NDF: 63236.1/41

In: -0.059+/-0.001 χ^2/NDF:35721.6/41

Out: -0.040+/-0.001 χ^2/NDF:36841.5/46

All: -0.050+/-0.001 χ^2/NDF: 72660.4/88

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.819+/-0.018 χ^2/NDF: 108412.9/18

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

Right Out: -0.140+/-0.014 χ^2/NDF: 110551.1/22

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

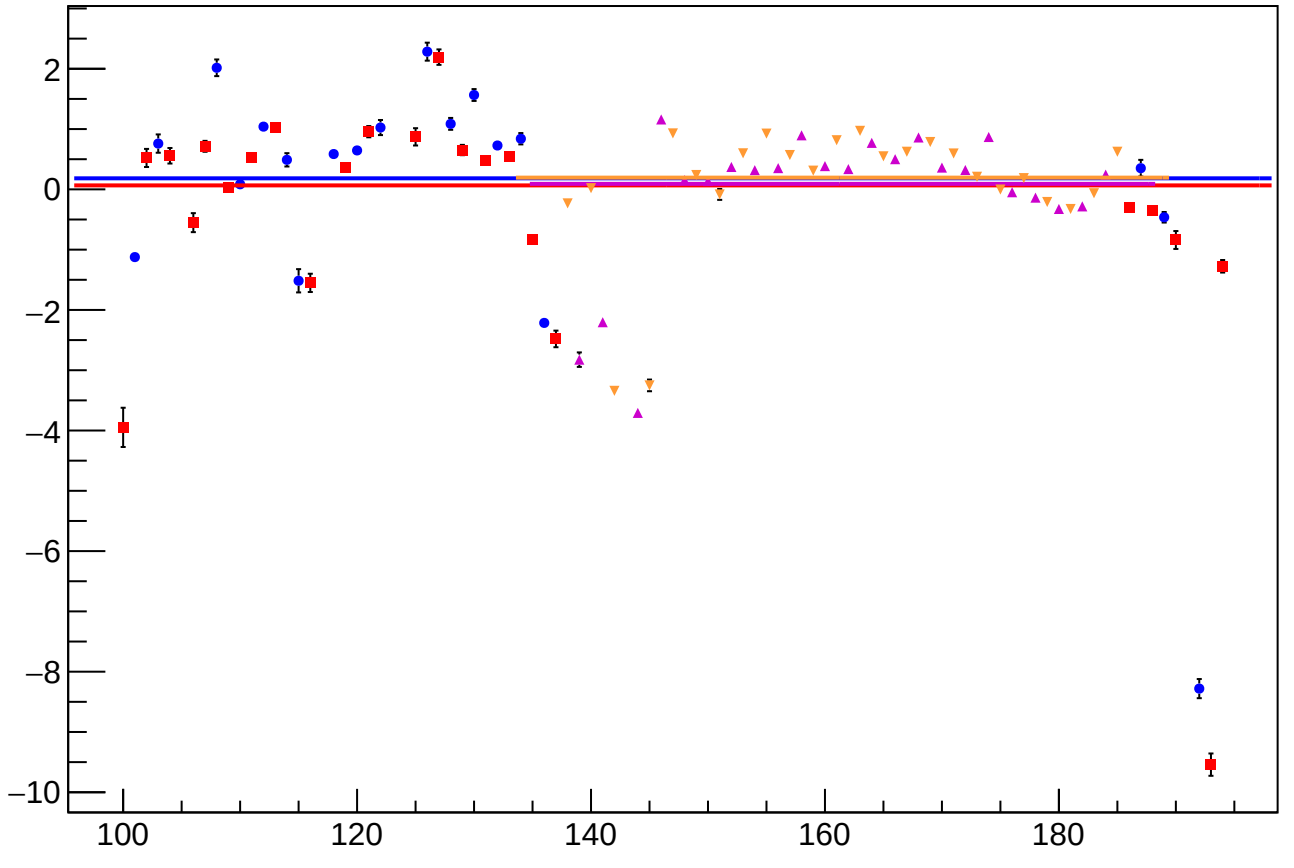
Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

Right: -0.400+/-0.011 χ^2/NDF: 219871.1/41

In: -0.106+/-0.011 χ^2/NDF:241221.4/41

Out: 0.110+/-0.010 χ^2/NDF:240025.4/46

All: 0.012+/-0.007 χ^2/NDF: 481466.5/88



Right In: 0.183+/-0.020 χ^2/NDF: 5510.9/18

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

Right Out: 0.066+/-0.017 χ^2/NDF: 4717.6/22

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

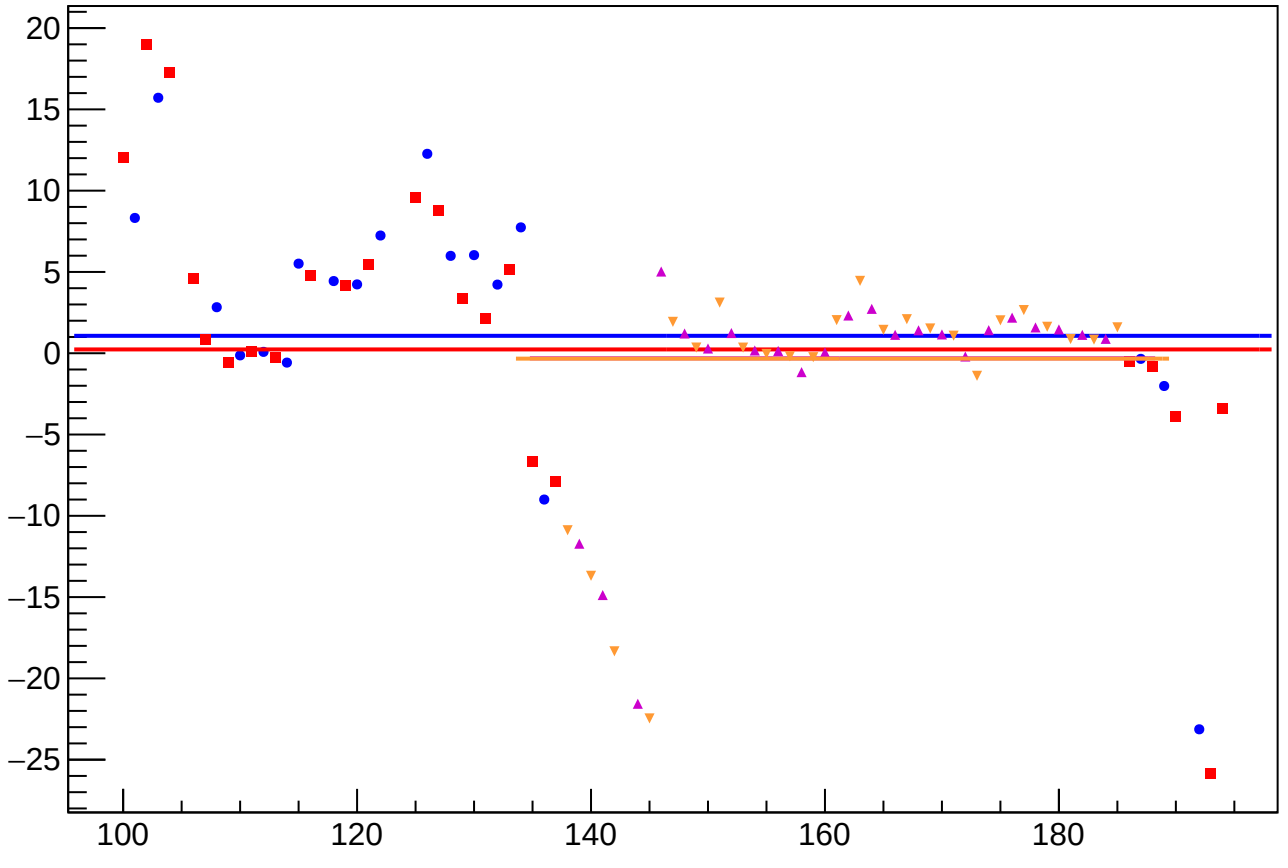
Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

Right: 0.117+/-0.013 χ^2/NDF: 10248.4/41

In: 0.112+/-0.009 χ^2/NDF:12464.1/41

Out: 0.156+/-0.010 χ^2/NDF:9400.9/46

All: 0.134+/-0.007 χ^2/NDF: 21875.8/88



Right In: 1.071+/-0.020 χ^2/NDF: 106908.1/18

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

Right Out: 0.234+/-0.015 χ^2/NDF: 108985.8/22

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

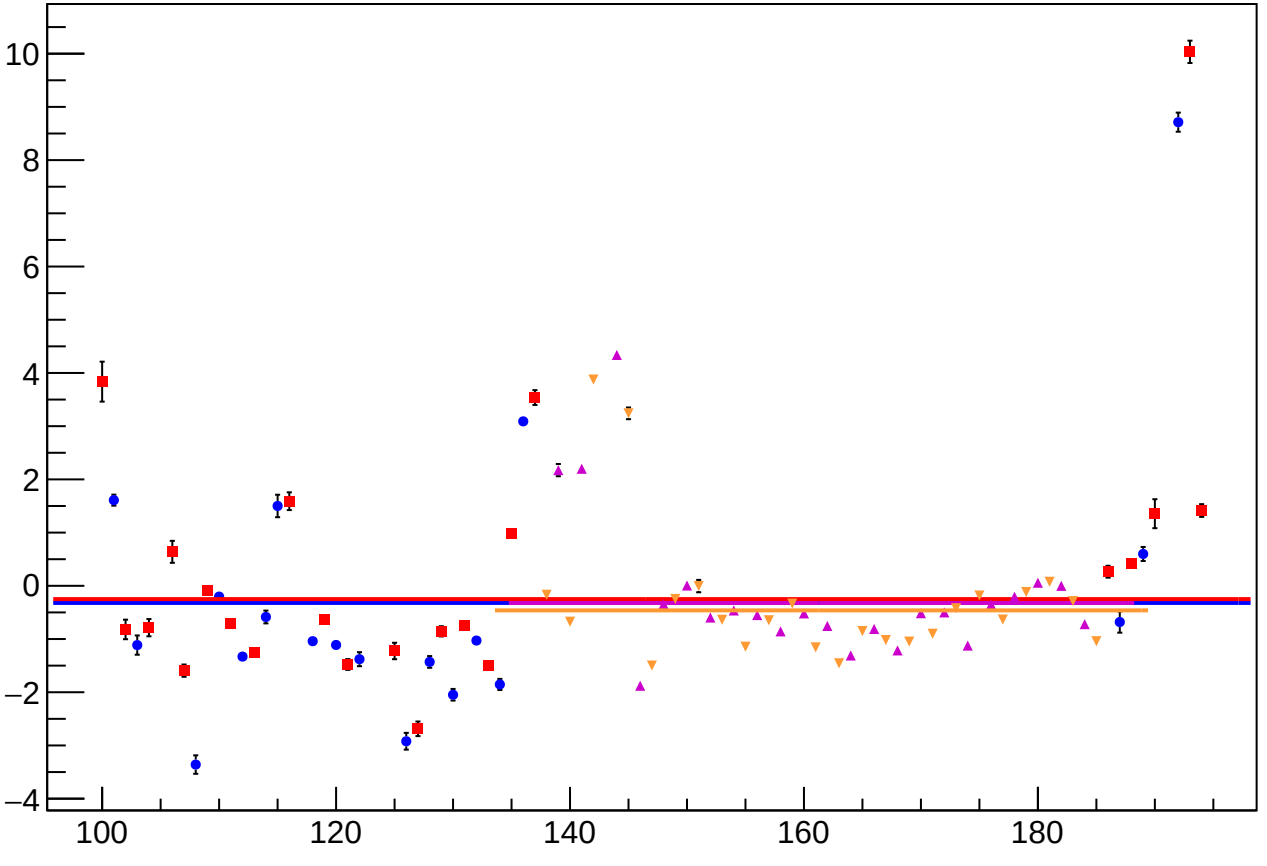
Right: 0.544+/-0.012 χ^2/NDF: 217001.5/41

In: 0.119+/-0.011 χ^2/NDF:237218.3/41

Out: -0.077+/-0.010 χ^2/NDF:233972.7/46

All: 0.013+/-0.008 χ^2/NDF: 471357.6/88

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.322+/-0.023 χ^2/NDF: 7088.1/18

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

Right Out: -0.250+/-0.021 χ^2/NDF: 5290.5/22

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

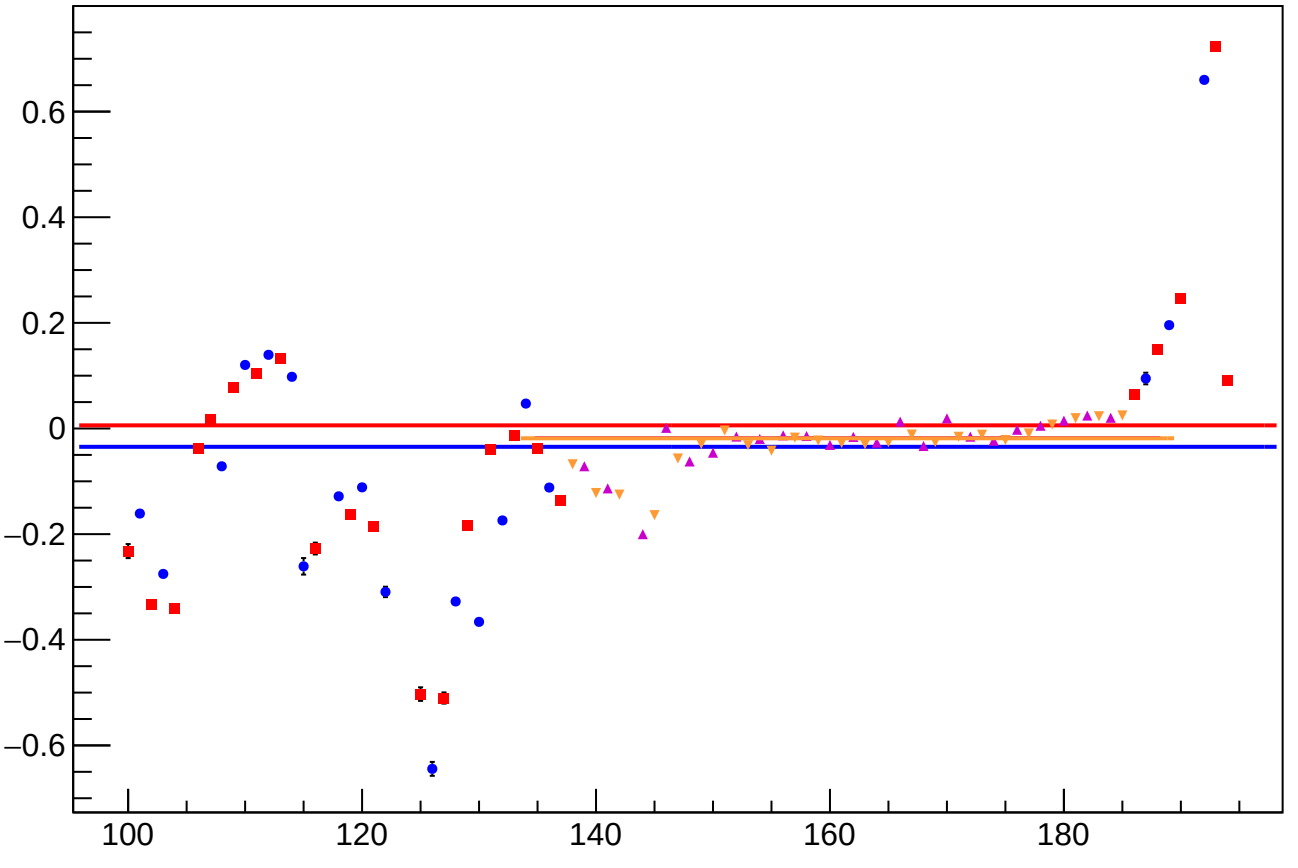
Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

Right: -0.282+/-0.015 χ^2/NDF: 12383.9/41

In: -0.323+/-0.011 χ^2/NDF:13969.9/41

Out: -0.404+/-0.011 χ^2/NDF:9947.9/46

All: -0.363+/-0.008 χ^2/NDF: 23947.1/88



Right In: -0.035+/-0.001 χ^2/NDF: 30090.2/18

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

Right Out: 0.006+/-0.001 χ^2/NDF: 31498.1/22

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

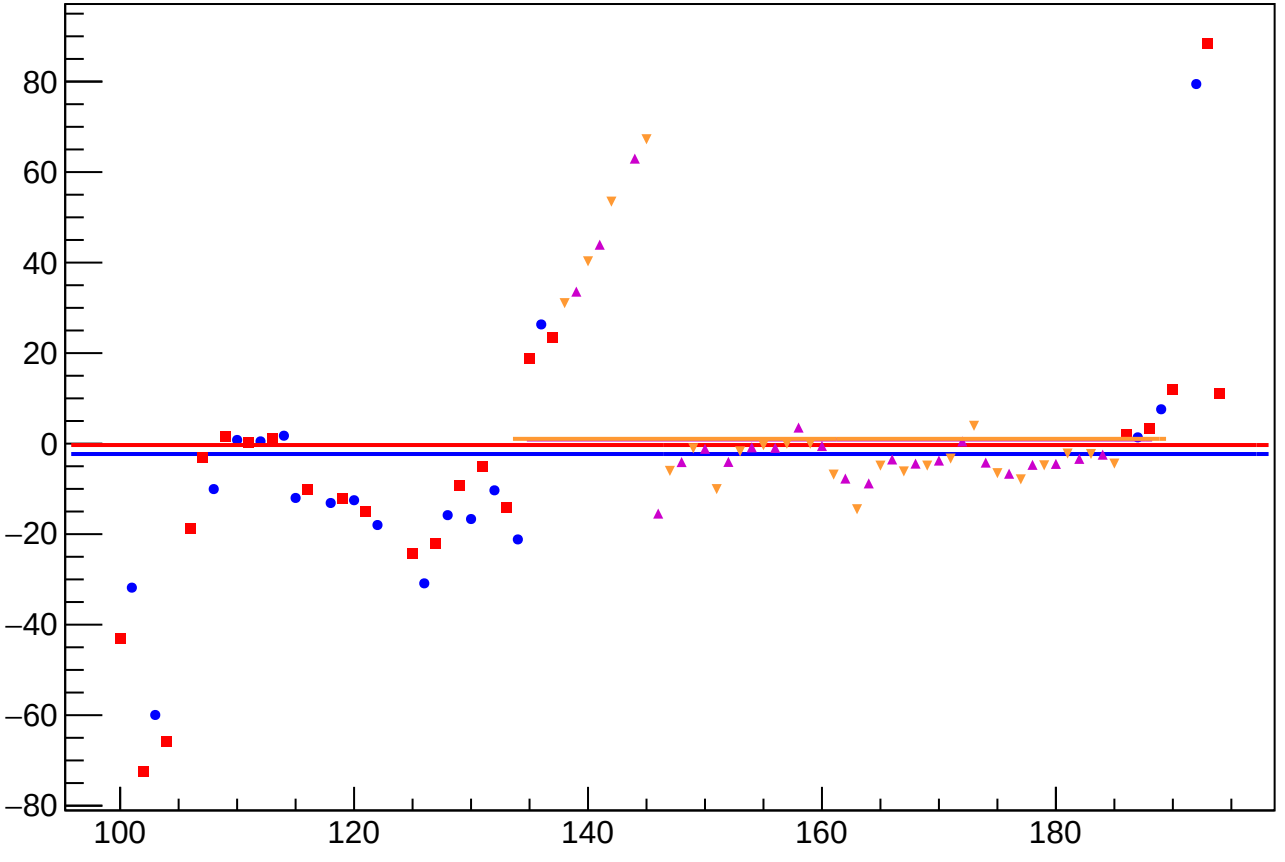
Right: -0.011+/-0.001 χ^2/NDF: 62130.9/41

In: -0.020+/-0.000 χ^2/NDF:35106.8/41

Out: -0.014+/-0.000 χ^2/NDF:36105.0/46

All: -0.017+/-0.000 χ^2/NDF: 71295.0/88

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.295+/-0.051 χ^2/NDF: 110329.0/18

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

Right Out: -0.309+/-0.040 χ^2/NDF: 112278.6/22

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

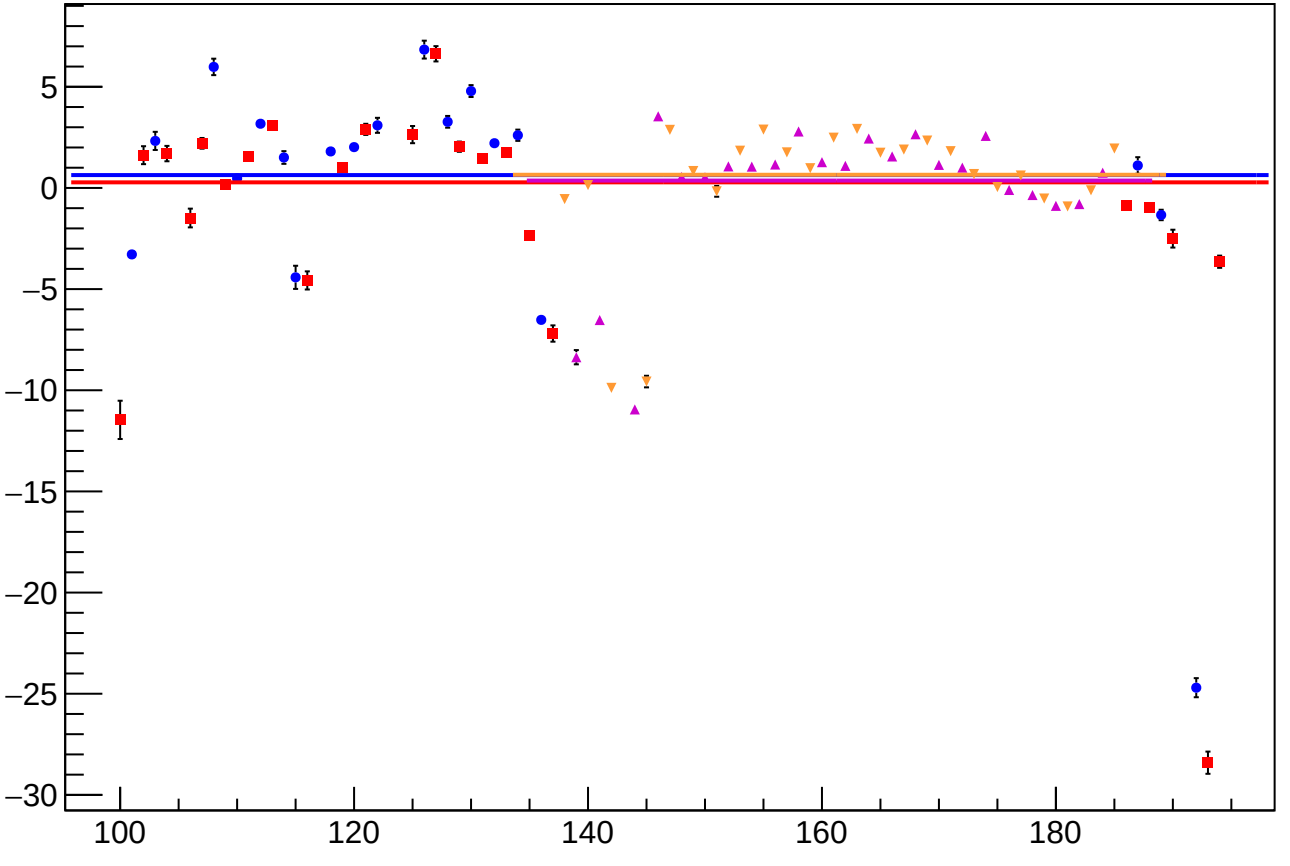
Right: -1.063+/-0.032 χ^2/NDF: 223531.4/41

In: -0.285+/-0.031 χ^2/NDF:245581.0/41

Out: 0.370+/-0.029 χ^2/NDF:243860.6/46

All: 0.074+/-0.021 χ^2/NDF: 489679.4/88

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.636+/-0.058 χ^2/NDF: 5610.0/18

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

Right Out: 0.277+/-0.051 χ^2/NDF: 4791.9/22

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

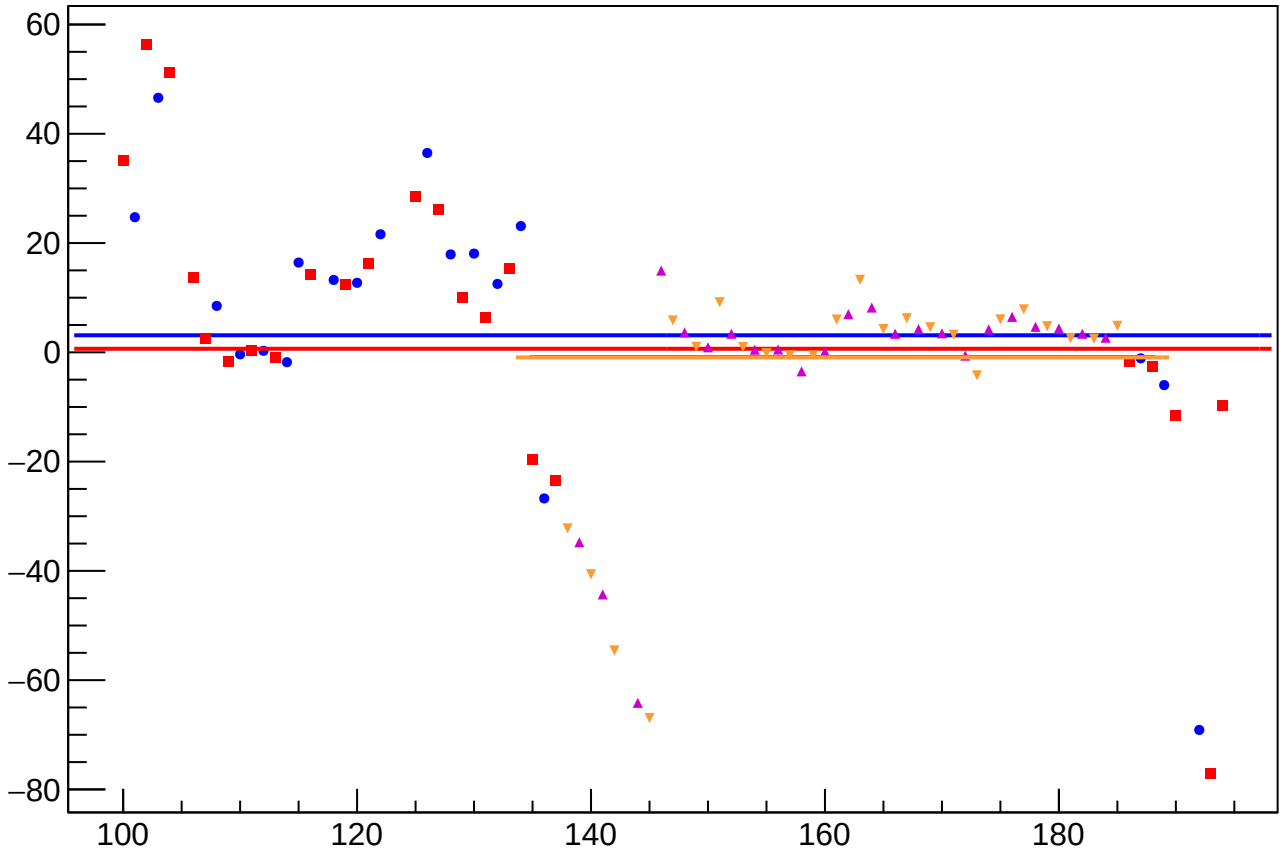
Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

Right: 0.434+/-0.038 χ^2/NDF: 10423.8/41

In: 0.426+/-0.027 χ^2/NDF:12749.6/41

Out: 0.539+/-0.028 χ^2/NDF:9538.8/46

All: 0.482+/-0.020 χ^2/NDF: 22296.8/88



Right In: 3.120+/-0.058 χ^2/NDF: 108750.2/18

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

Right Out: 0.654+/-0.045 χ^2/NDF: 110646.0/22

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

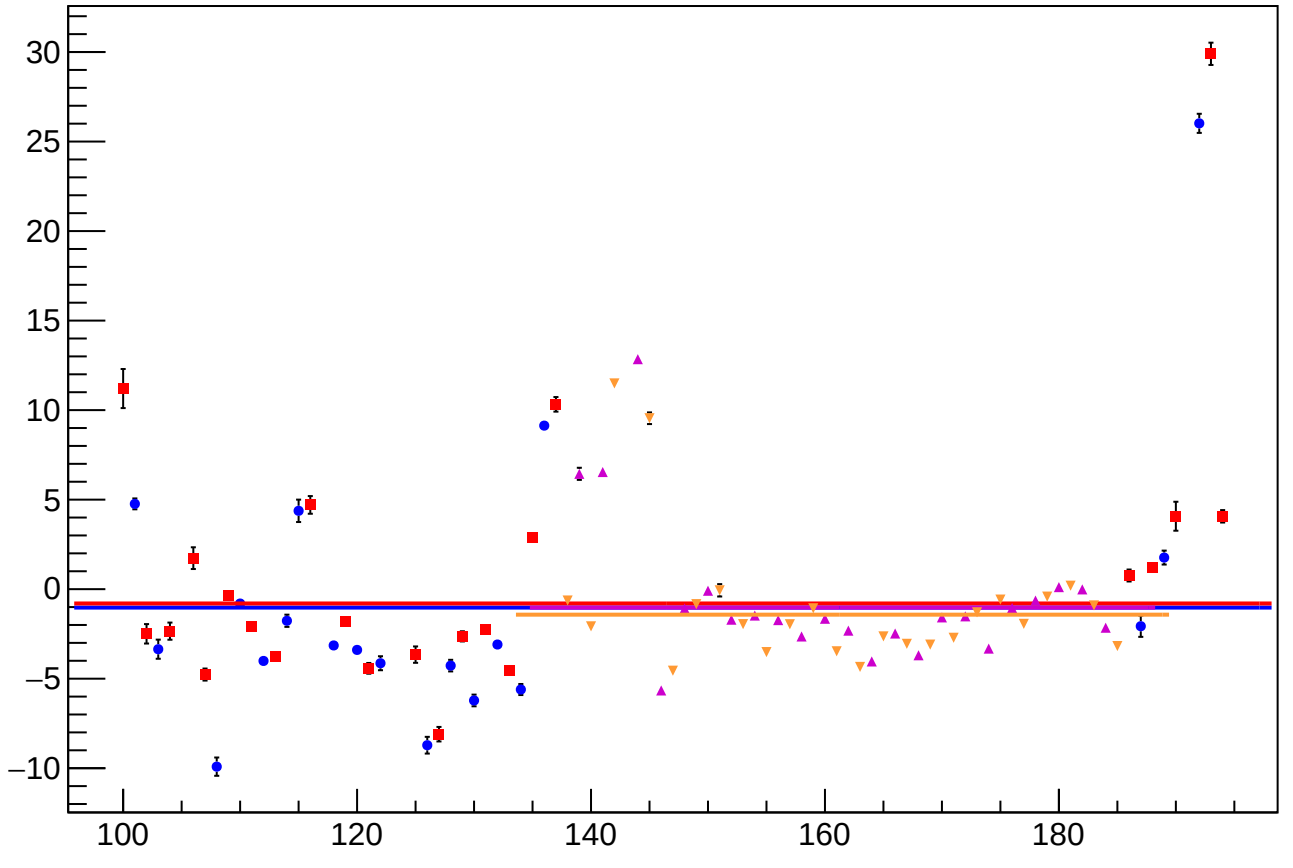
Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

Right: 1.566+/-0.035 χ^2/NDF: 220521.3/41

In: 0.379+/-0.033 χ^2/NDF:241441.2/41

Out: -0.214+/-0.030 χ^2/NDF:237693.3/46

All: 0.058+/-0.022 χ^2/NDF: 479314.0/88



Right In: -1.029+/-0.067 χ^2/NDF: 7224.7/18

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

Right Out: -0.799+/-0.060 χ^2/NDF: 5370.7/22

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

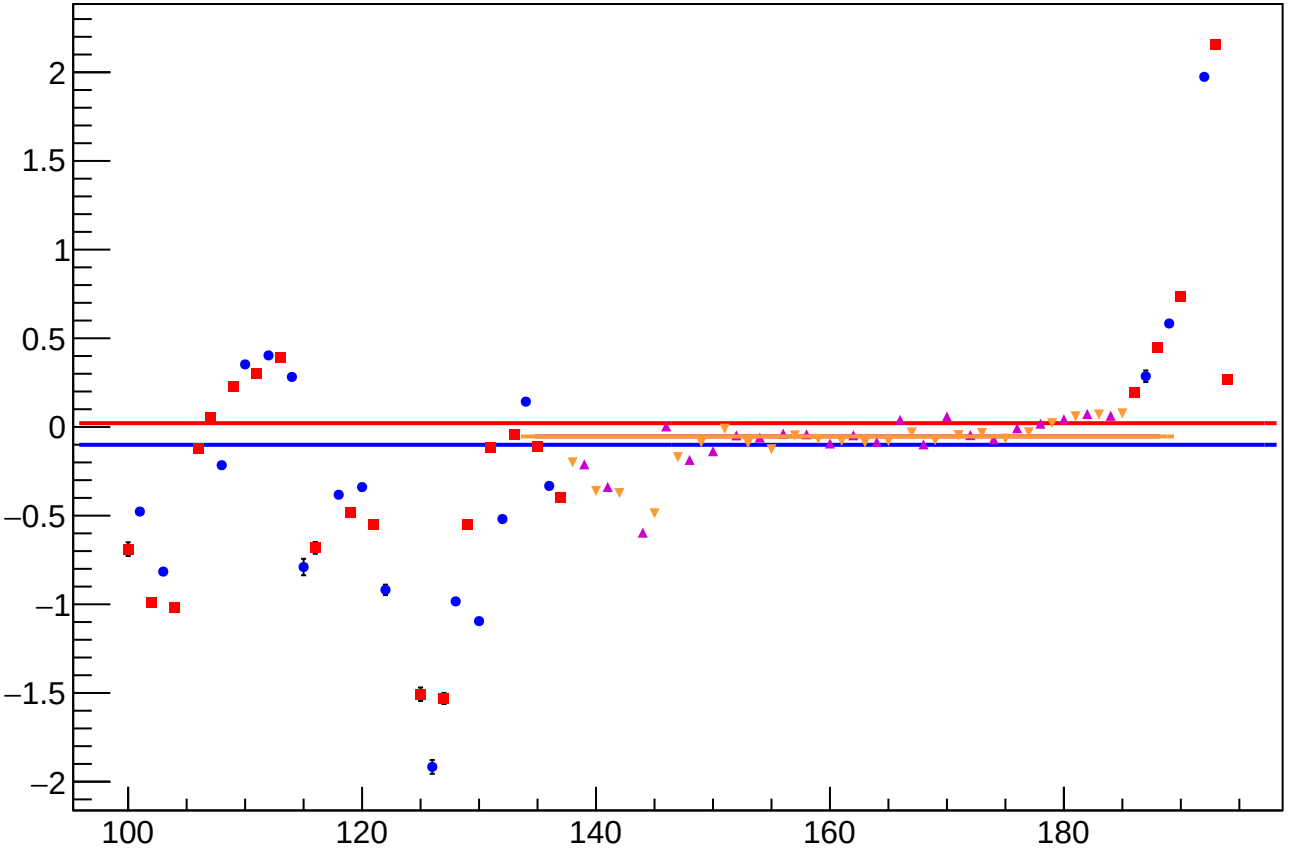
Right: -0.901+/-0.045 χ^2/NDF: 12601.9/41

In: -1.031+/-0.031 χ^2/NDF:14275.9/41

Out: -1.254+/-0.031 χ^2/NDF:10090.0/46

All: -1.141+/-0.022 χ^2/NDF: 24391.7/88

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.101+/-0.004 χ^2/NDF: 30587.8/18

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

Right Out: 0.021+/-0.003 χ^2/NDF: 32096.9/22

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

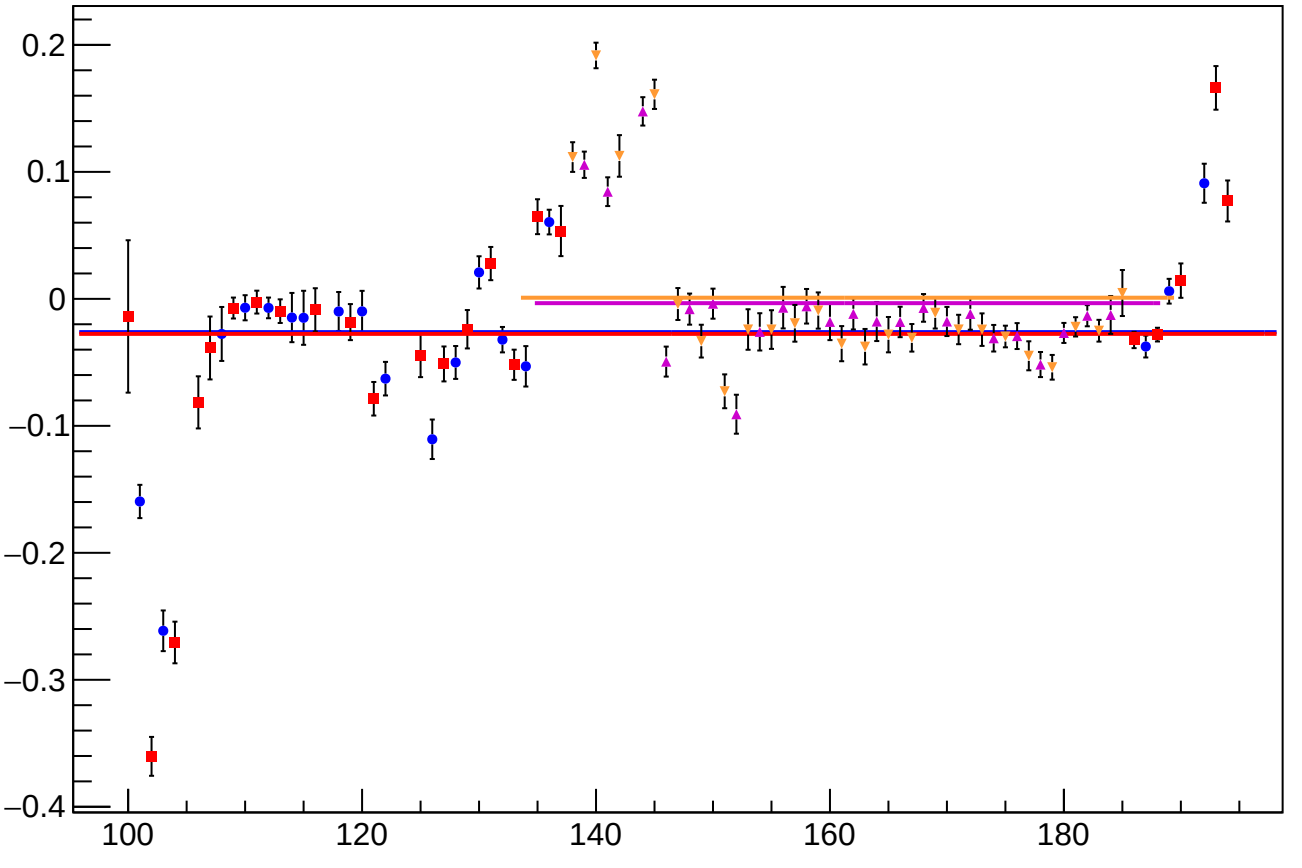
Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

Right: -0.030+/-0.003 χ^2/NDF: 63257.0/41

In: -0.059+/-0.001 χ^2/NDF:35731.1/41

Out: -0.039+/-0.001 χ^2/NDF:36856.8/46

All: -0.050+/-0.001 χ^2/NDF: 72686.3/88



Right In: -0.026+/-0.003 χ^2/NDF: 539.1/18

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

Right Out: -0.028+/-0.002 χ^2/NDF: 1000.4/22

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

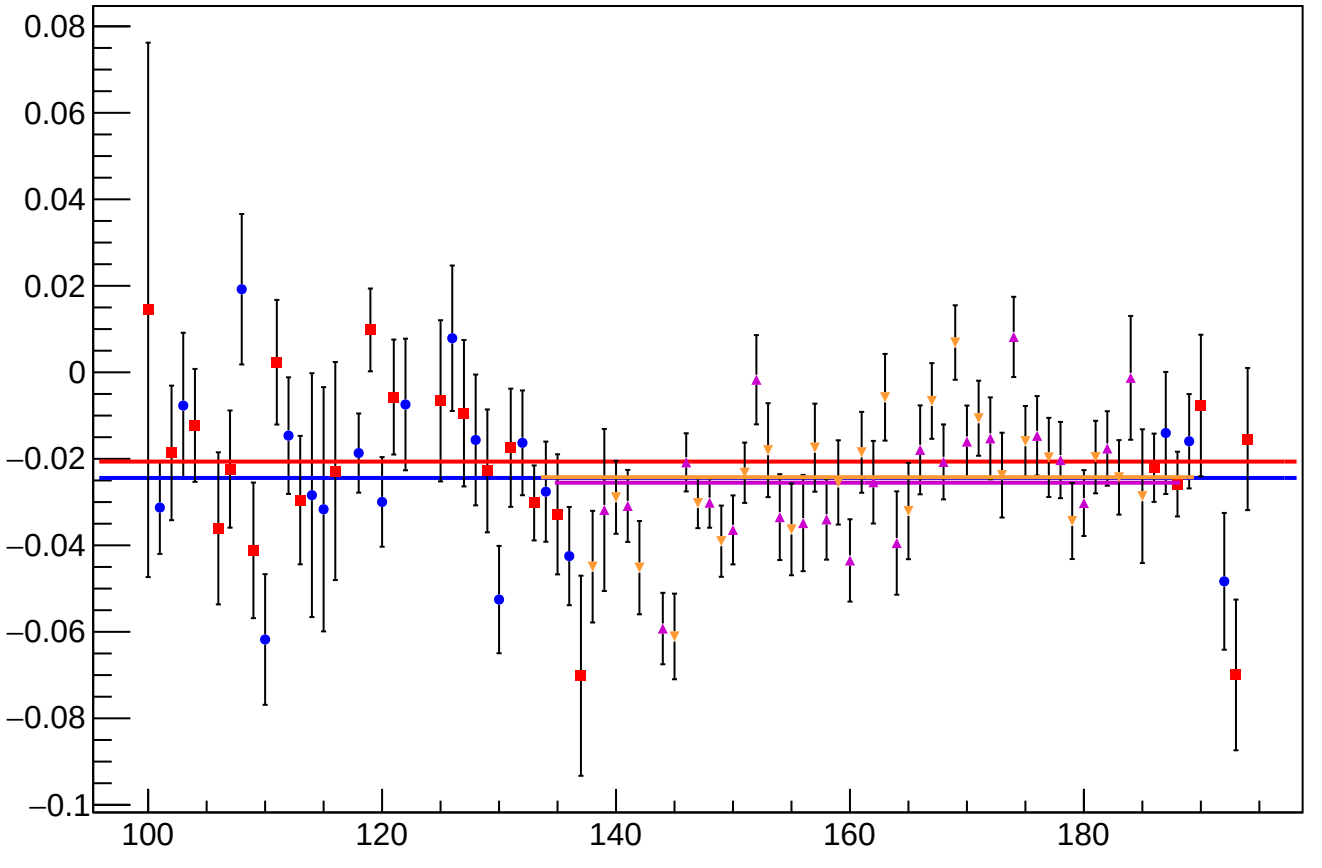
Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

Right: -0.027+/-0.002 χ^2/NDF: 1539.6/41

In: -0.013+/-0.002 χ^2/NDF:1034.8/41

Out: -0.013+/-0.002 χ^2/NDF:1919.9/46

All: -0.013+/-0.001 χ^2/NDF: 2954.7/88



Right In: -0.024+/-0.003 χ^2/NDF: 32.0/18

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

Right Out: -0.021+/-0.003 χ^2/NDF: 34.5/22

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

Left: -0.025+/-0.001 χ^2/NDF: 109.0/46

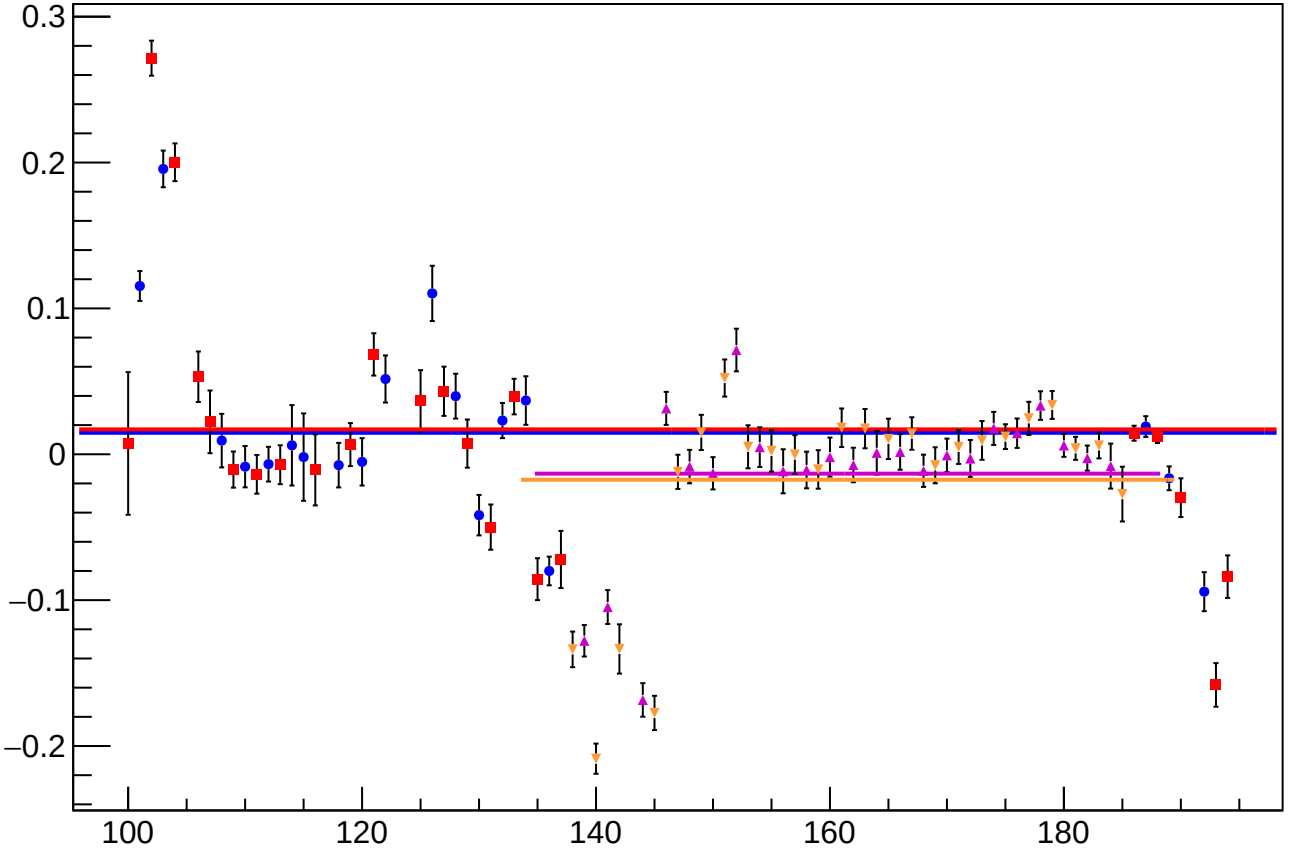
Right: -0.022+/-0.002 χ^2/NDF: 67.3/41

In: -0.025+/-0.002 χ^2/NDF:87.1/41

Out: -0.023+/-0.002 χ^2/NDF:89.4/46

All: -0.024+/-0.001 χ^2/NDF: 177.4/88

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.015+/-0.003 χ^2/NDF: 539.9/18

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

Right Out: 0.017+/-0.002 χ^2/NDF: 979.9/22

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

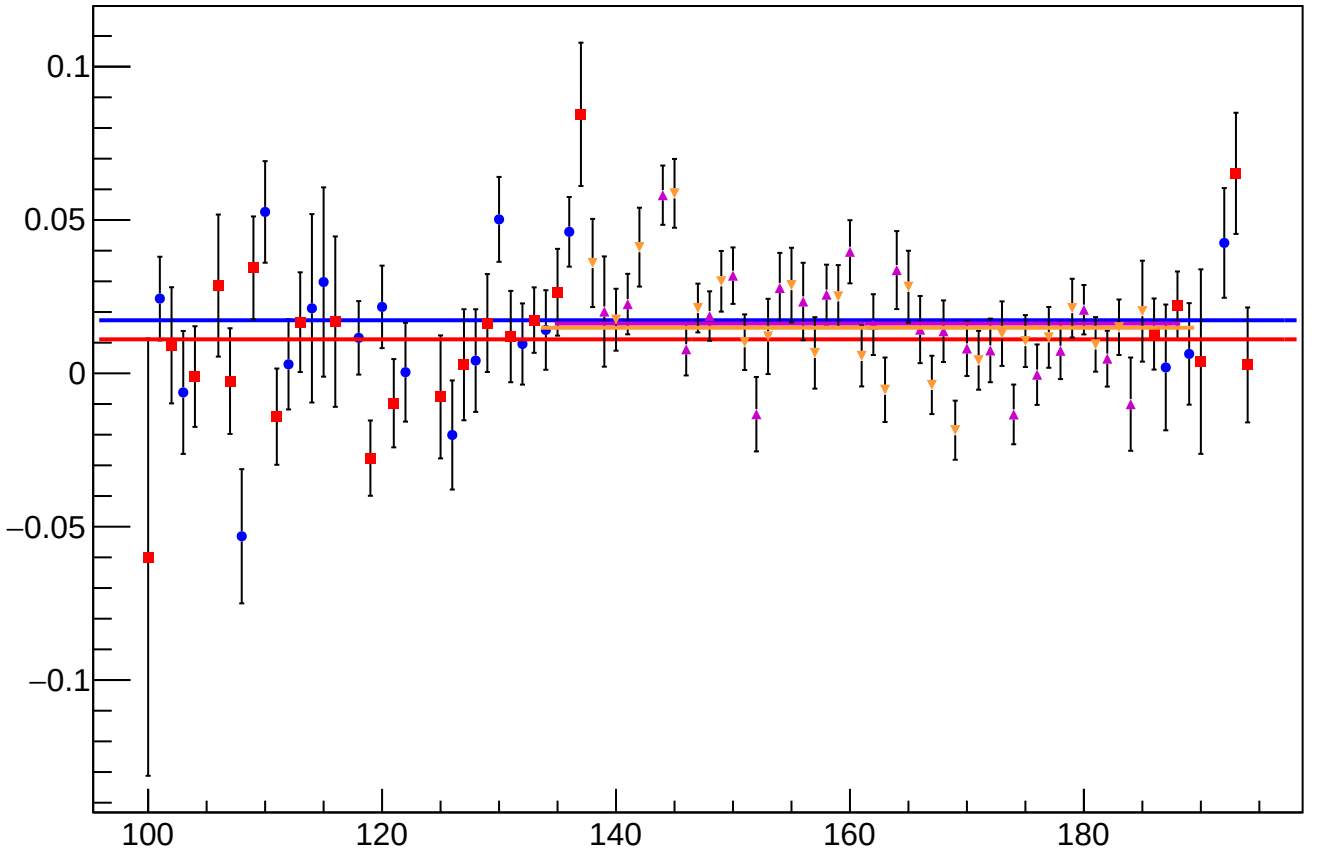
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

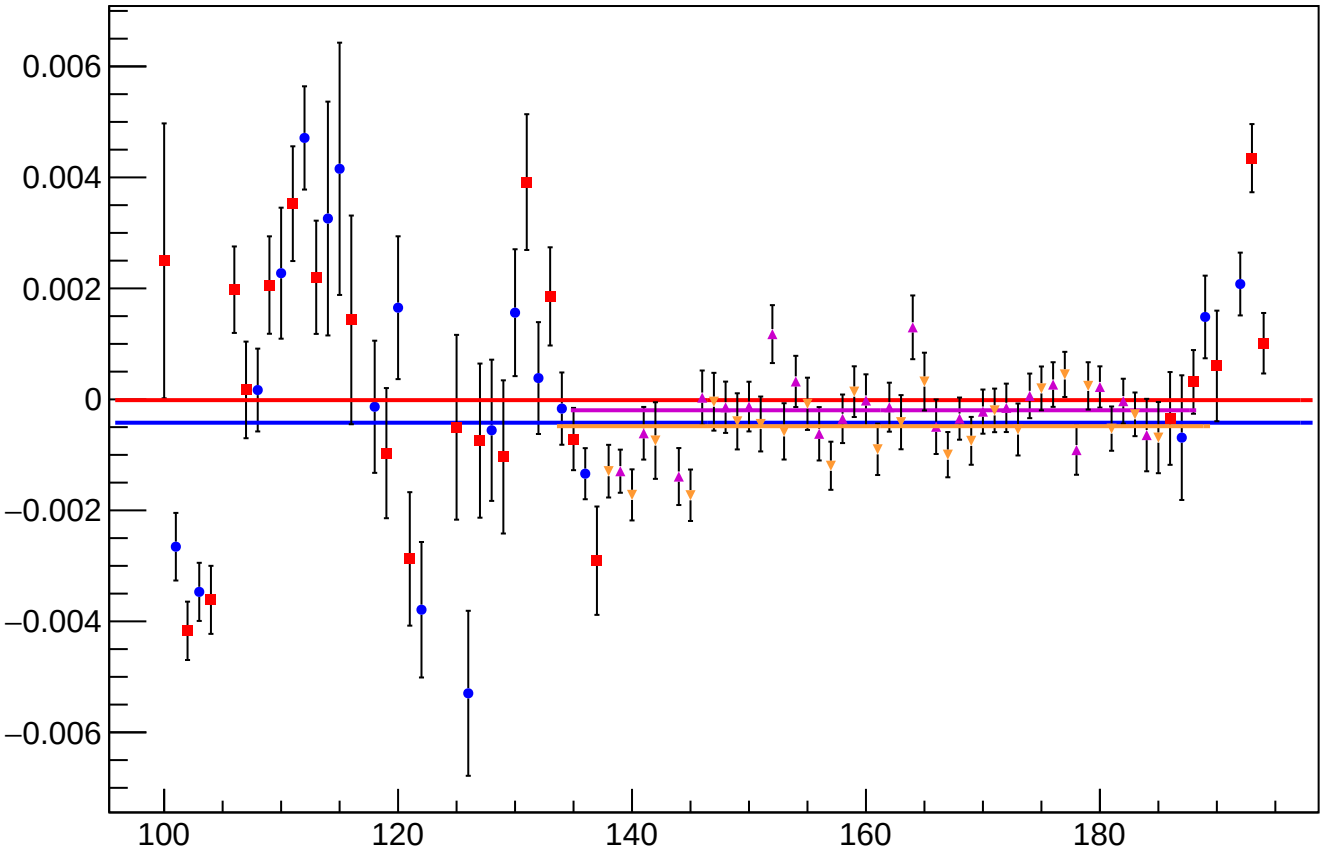
Right: 0.016+/-0.002 χ^2/NDF: 1520.3/41

In: -0.002+/-0.002 χ^2/NDF:1054.2/41

Out: 0.000+/-0.002 χ^2/NDF:1898.5/46

All: -0.001+/-0.001 χ^2/NDF: 2953.4/88


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
Right In: 0.017+/-0.004 χ²/NDF: 39.6/18
Left Out: 0.015+/-0.002 χ²/NDF:52.1/23
Right Out: 0.011+/-0.003 χ²/NDF: 40.8/22
Left In: 0.016+/-0.002 χ²/NDF:58.0/22
Left: 0.016+/-0.001 χ²/NDF: 110.2/46
Right: 0.014+/-0.002 χ²/NDF: 82.0/41
In: 0.016+/-0.002 χ²/NDF:97.7/41
Out: 0.014+/-0.002 χ²/NDF:93.7/46
All: 0.015+/-0.001 χ²/NDF: 192.6/88



Right In: -0.000+/-0.000 χ^2/NDF: 145.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 214.3/22

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

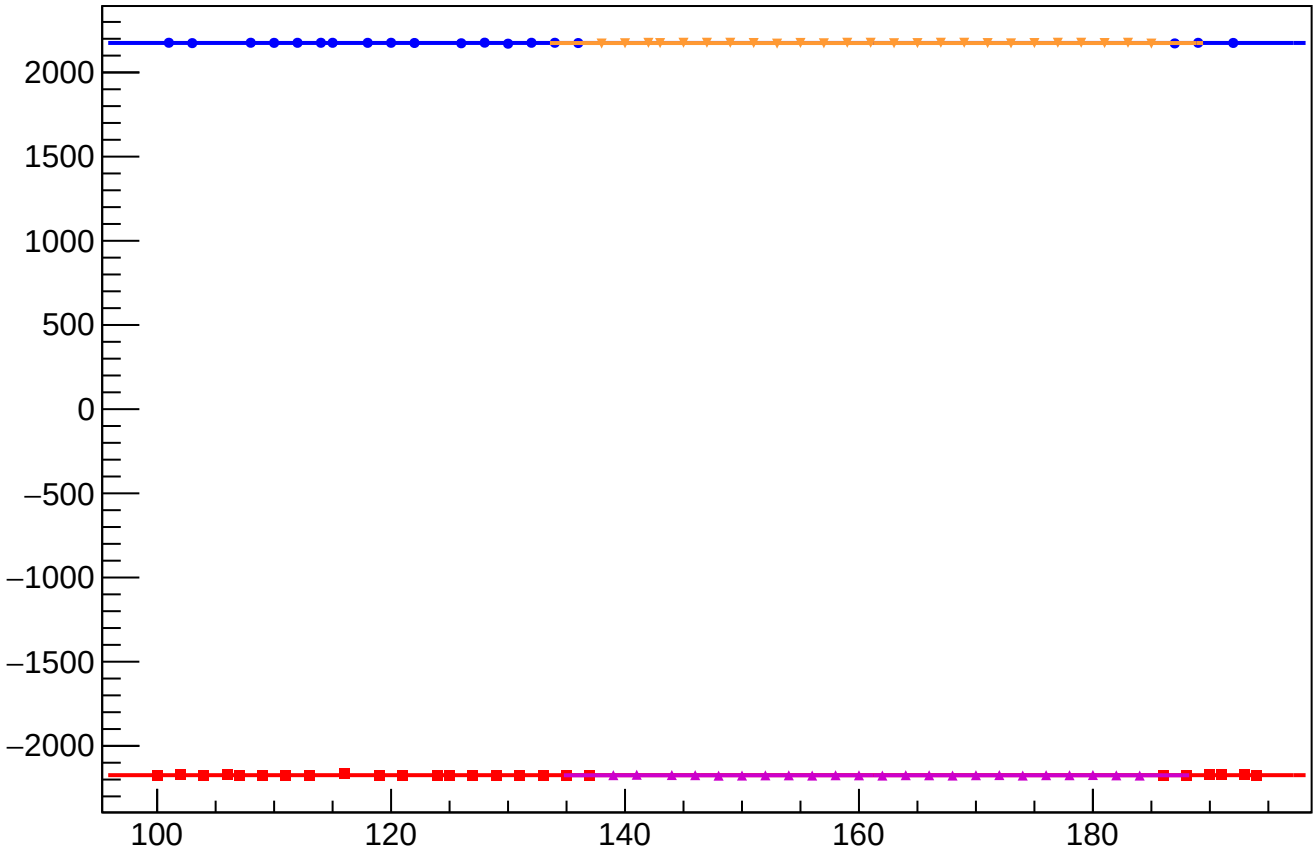
Right: -0.000+/-0.000 χ^2/NDF: 362.5/41

In: -0.000+/-0.000 χ^2/NDF:184.0/41

Out: -0.000+/-0.000 χ^2/NDF:260.9/46

All: -0.000+/-0.000 χ^2/NDF: 446.2/88

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.191+/-0.000 χ^2/NDF: 19443301095165628949279695899197440/18

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517120/24

Right Out: -2173.950+/-0.000 χ^2/NDF: 90123113027493562813667783108198400/24

Left In: -2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291520/22

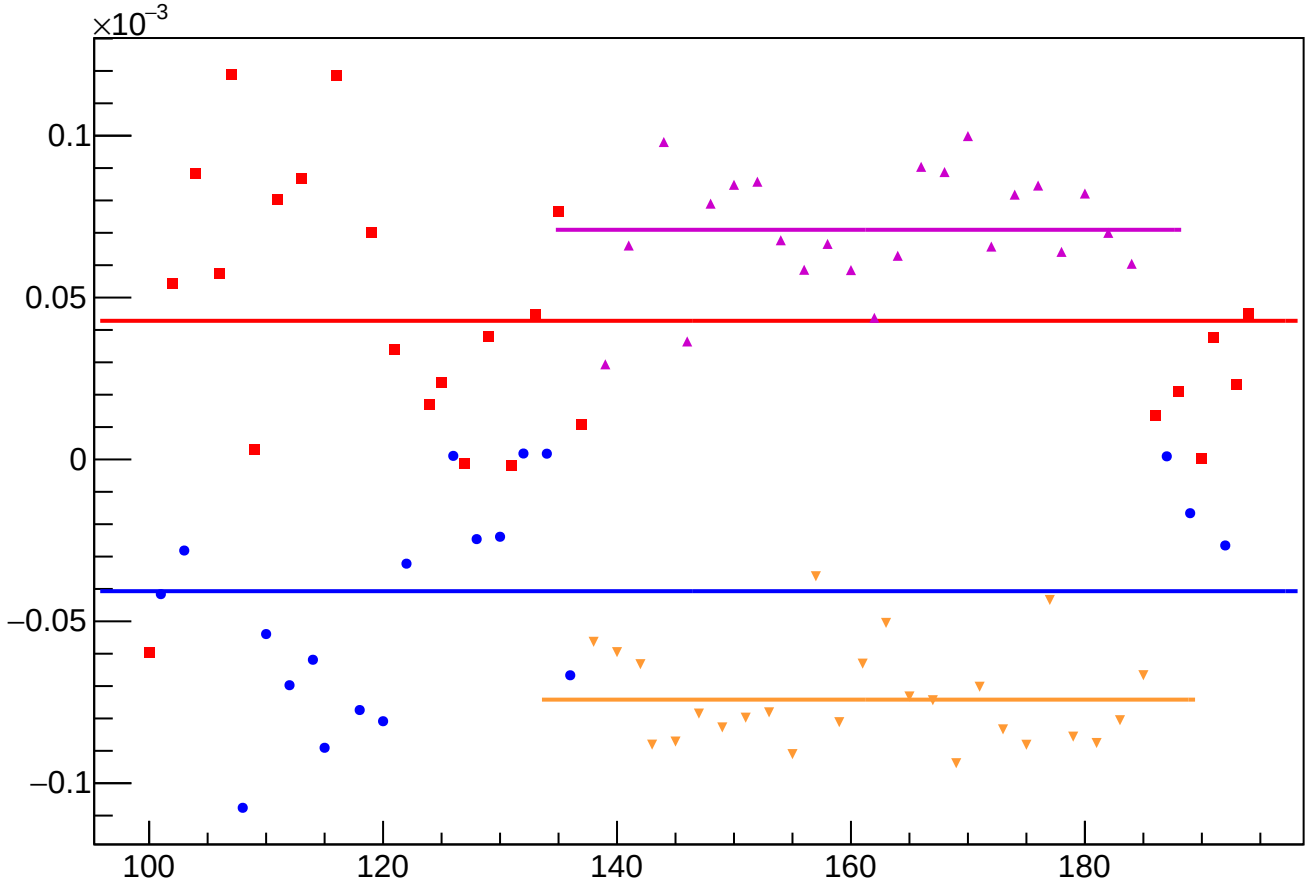
Left: 62.103+/-0.000 χ^2/NDF: 18541167673153150

Right: -236.277+/-0.000 χ^2/NDF: 9564897870864

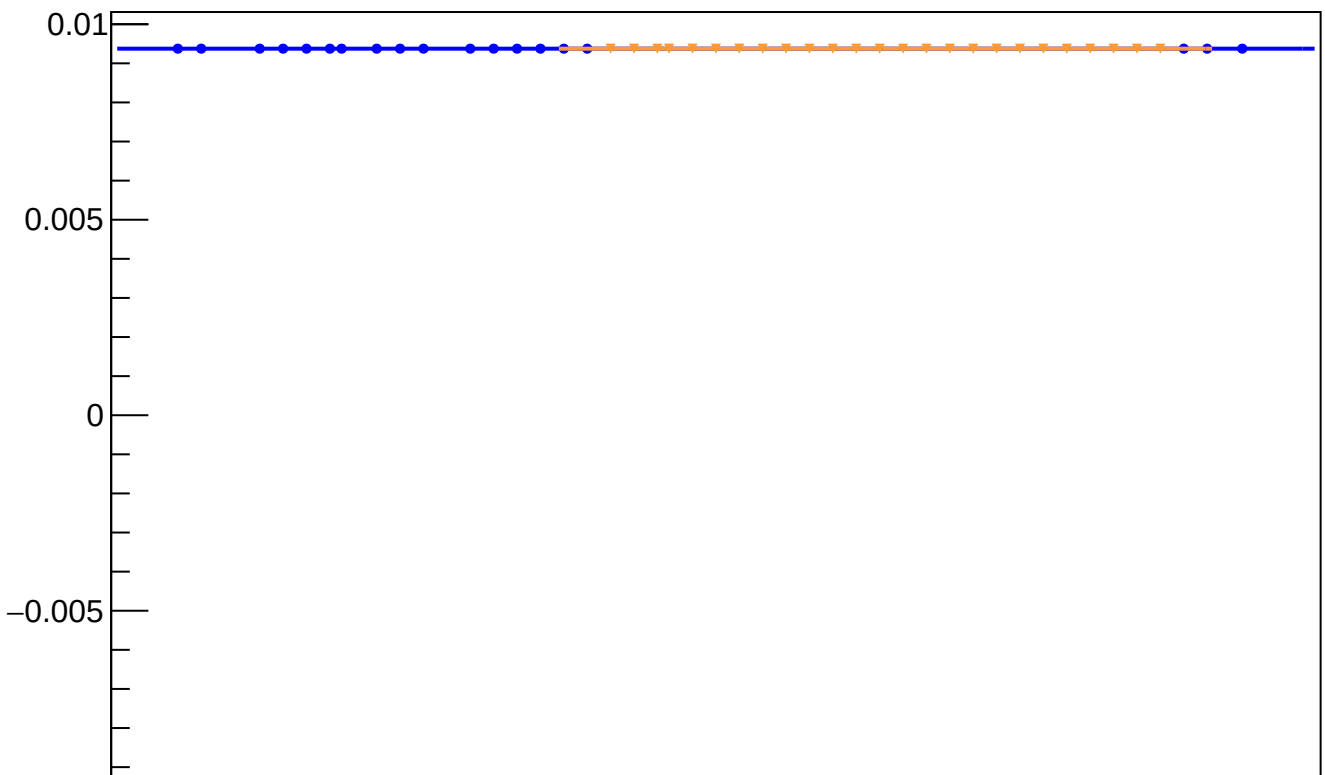
In: -766.842+/-0.000 χ^2/NDF:1167100359914064

Out: 609.259+/-0.000 χ^2/NDF:1373697258678532

All: -40.189+/-0.000 χ^2/NDF: 282258336425


HALLA_dpp_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 81327199169460772326604 8.0/18
Left Out: -0.000+/-0.000 χ²/NDF:47183476855130979250995 2.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 123788674139999215340748 8.0/24
Left In: 0.000+/-0.000 χ²/NDF:63109152678988936852275 2.0/22
Left: -0.000+/-0.000 χ²/NDF: 21745673800575022
Right: 0.000+/-0.000 χ²/NDF: 55775167439564868
In: 0.000+/-0.000 χ²/NDF:91298870745927679 57
Out: -0.000+/-0.000 χ²/NDF:11654785904068926
All: -0.000+/-0.000 χ²/NDF: 2743983473239

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/18

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/24

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

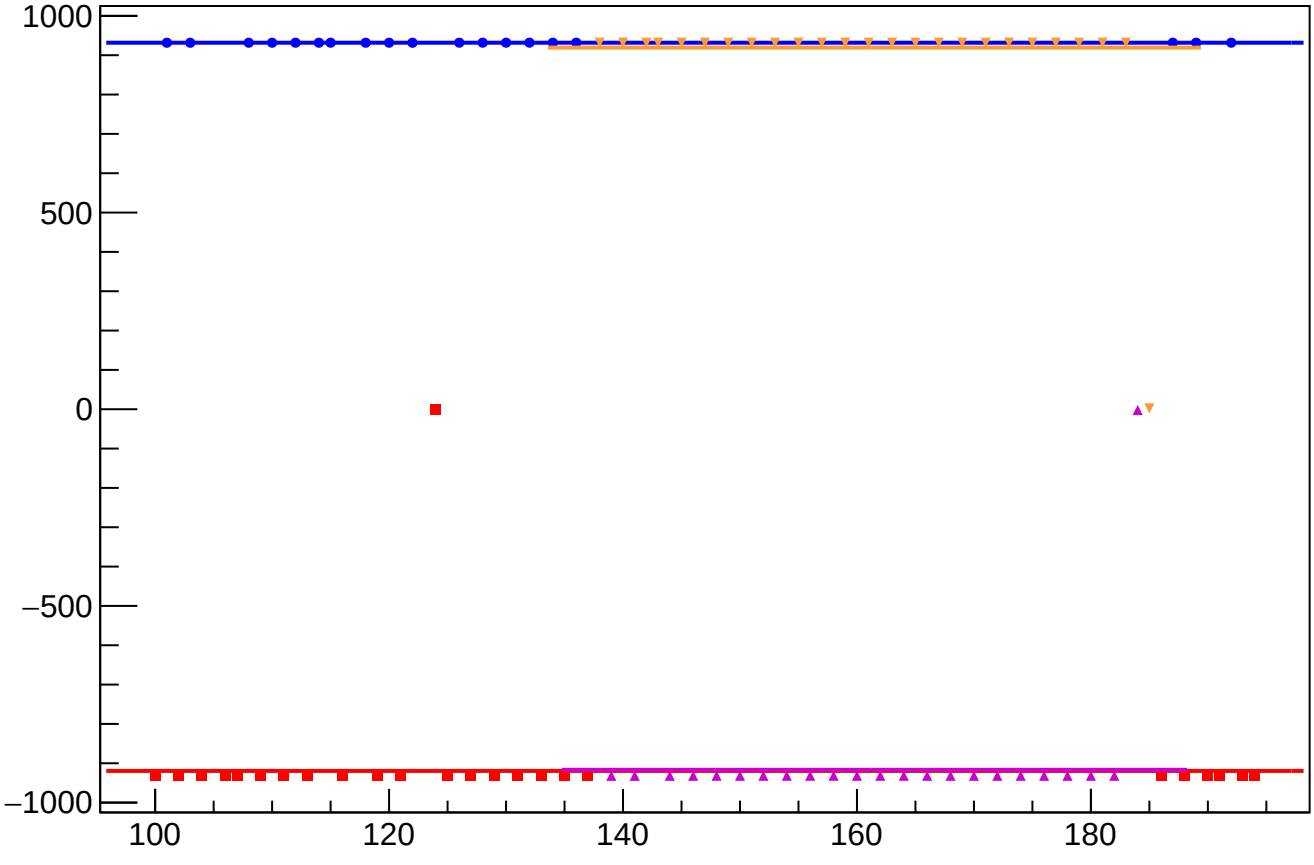
Right: -0.001+/-0.000 χ^2/NDF: 1777769296531506

In: -0.003+/-0.000 χ^2/NDF:216859918381830560

Out: 0.003+/-0.000 χ^2/NDF:255385124286393336

All: -0.000+/-0.000 χ^2/NDF: 5246135619033

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.778+/-0.000 χ^2/NDF: 3176747616642159526301600317440.0/18

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812436 48.0/24

Right Out: -919.468+/-0.000 χ^2/NDF: 1285028916774346335729588274540734 0544.0/24

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

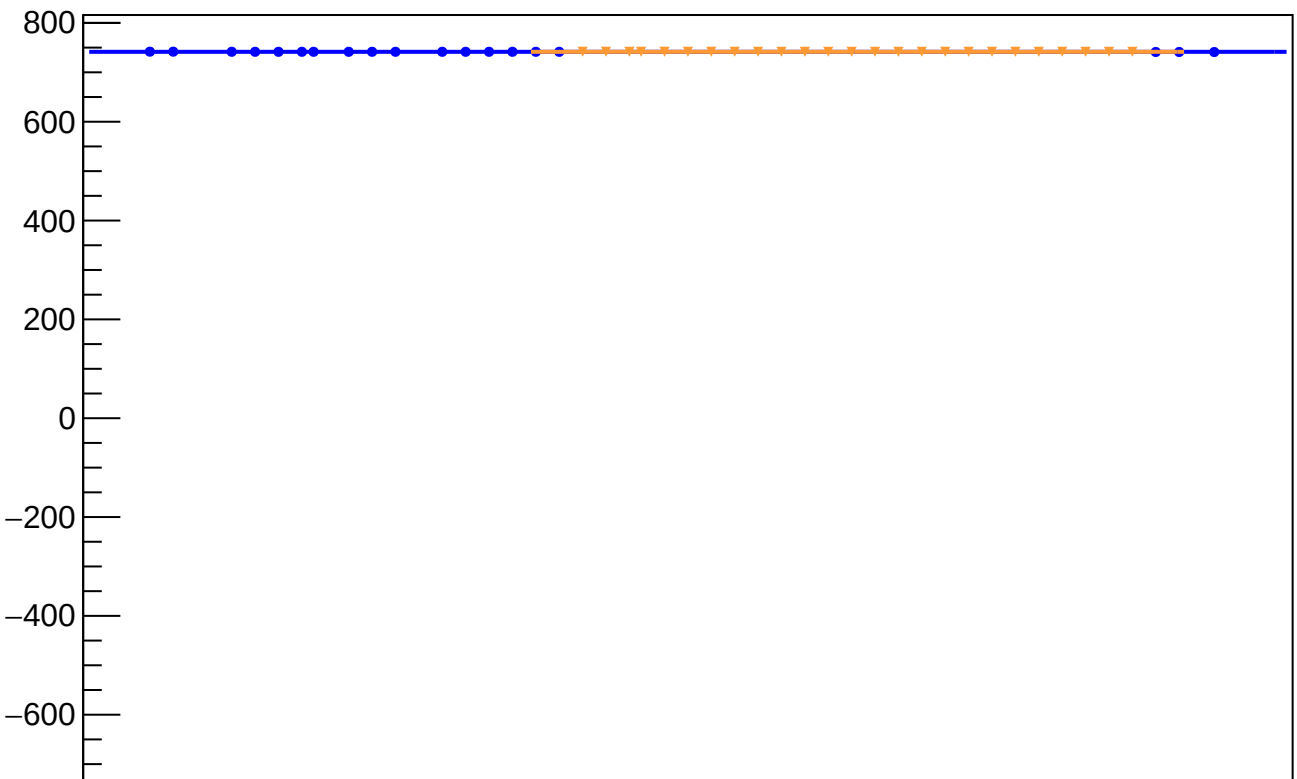
Left: 27.548+/-0.000 χ^2/NDF: 33535518082193632

Right: -94.683+/-0.000 χ^2/NDF: 174586145094325

In: -318.439+/-0.000 χ^2/NDF:2133948630553853

Out: 257.420+/-0.000 χ^2/NDF:249210426151415

All: -14.355+/-0.000 χ^2/NDF: 511951169303



Right In: 741.478+/-0.000 χ^2/NDF: 399580919227528986028687669329920/18

Left Out: 741.513+/-0.000 χ^2/NDF:25197631076812629623188960051 2.0/24

Right Out: -741.417+/-0.000 χ^2/NDF: 6863841293098392565122791479705 6.0/24

Left In: -741.513+/-0.000 χ^2/NDF:23470398303008542318589588275 2.0/22

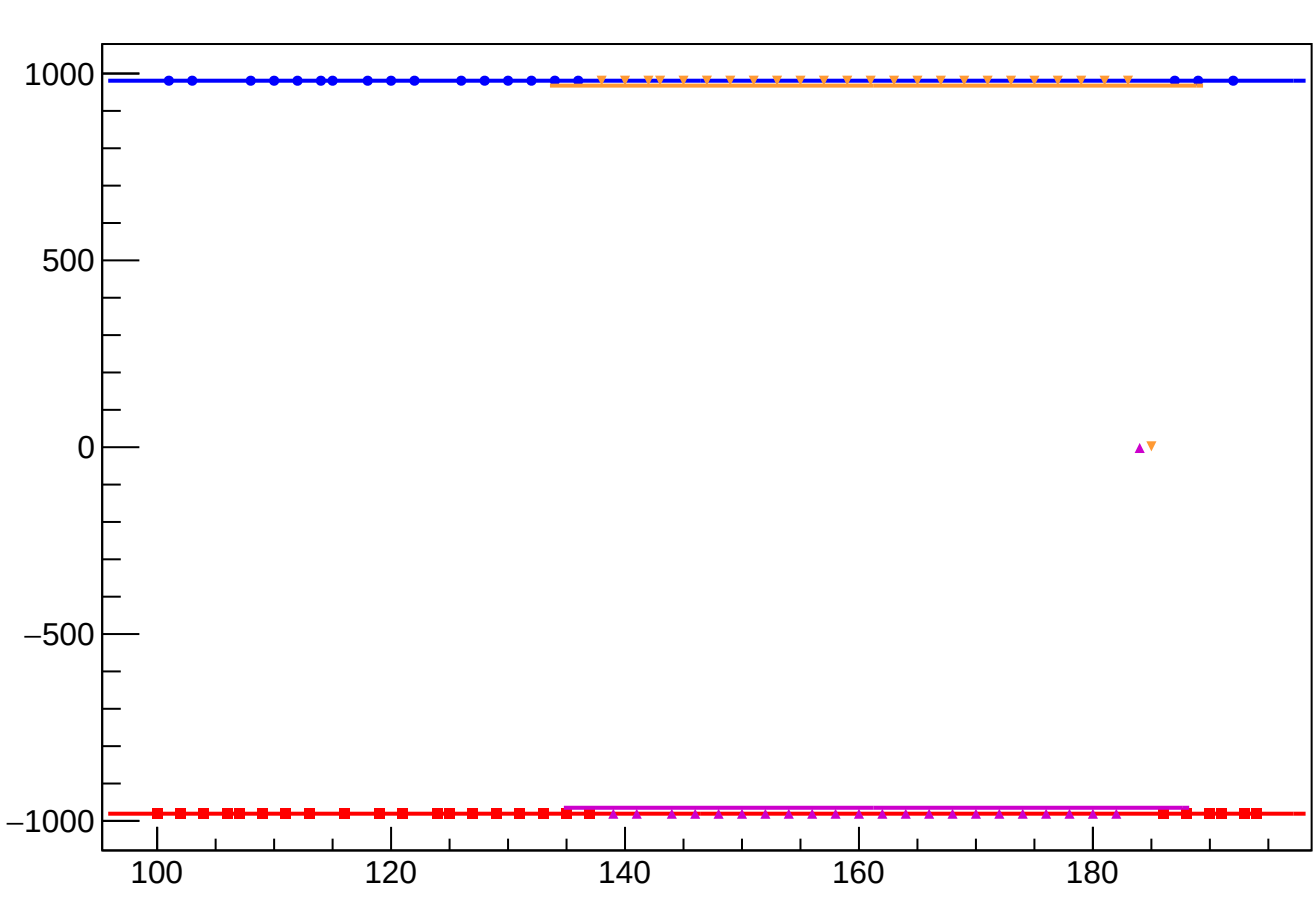
Left: 21.165+/-0.000 χ^2/NDF: 21558191183425632

Right: -80.743+/-0.000 χ^2/NDF: 111197191989107

In: -261.567+/-0.000 χ^2/NDF:1356605164228083

Out: 207.696+/-0.000 χ^2/NDF:159747674852383

All: -13.772+/-0.000 χ^2/NDF: 328176158094



Left: 28.991+/-0.000 χ^2/NDF: 3715452335680680

Right In: 980.802+/-0.000 χ^2/NDF: 950694022269154010795211751424.0/18

Right: -106.828+/-0.000 χ^2/NDF: 19457171506081

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369 2672.0/24

In: -335.174+/-0.000 χ^2/NDF:2364334807966298

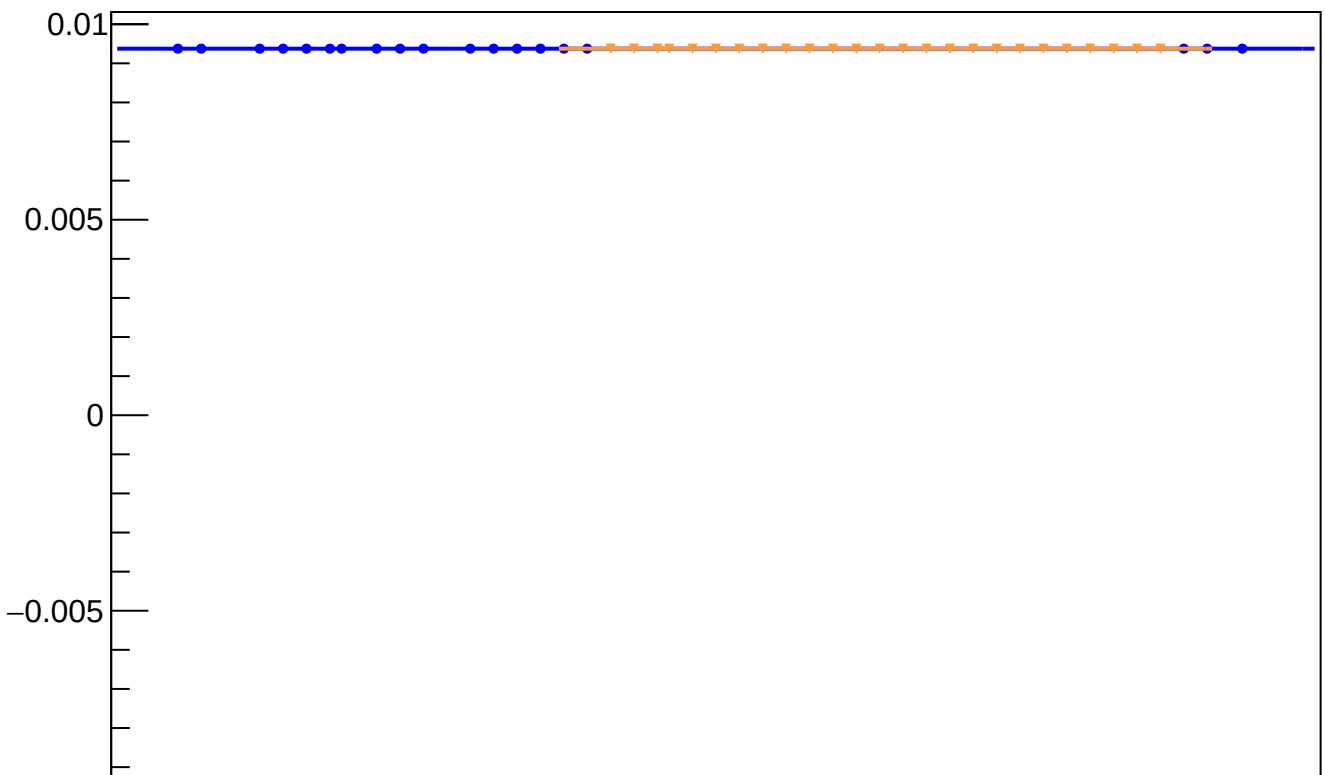
Right Out: -980.766+/-0.000 χ^2/NDF: 62020731636610117694257379672064.0/24

Out: 266.287+/-0.000 χ^2/NDF:2783340187898522

Left In: -964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

All: -17.571+/-0.000 χ^2/NDF: 568598489450

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/18

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/24

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

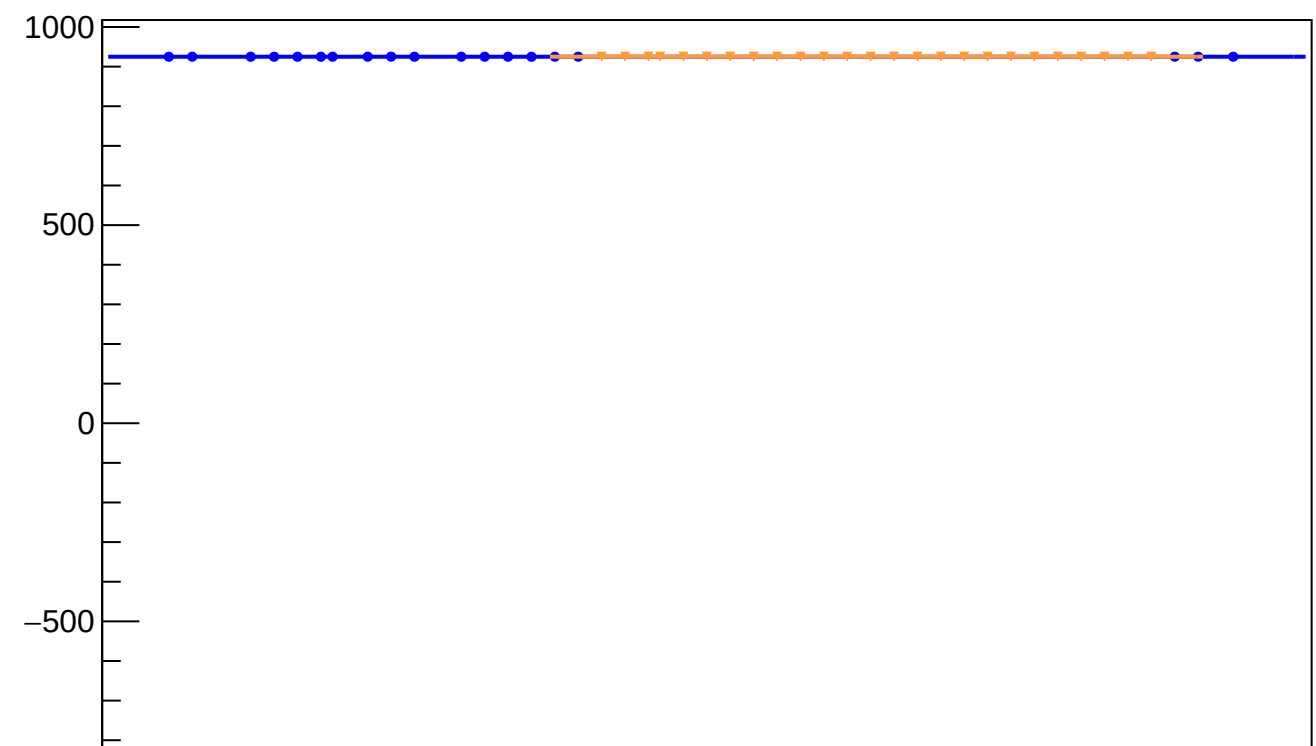
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.001+/-0.000 χ^2/NDF: 1777769296531506

In: -0.003+/-0.000 χ^2/NDF:216859918381830560

Out: 0.003+/-0.000 χ^2/NDF:255385124286393336

All: -0.000+/-0.000 χ^2/NDF: 5246135619033



Right In: 924.976+/-0.000 χ^2/NDF: 29206166353605745509510131220480/18

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: -924.988+/-0.000 χ^2/NDF: 16986315314274146469676727664640/24

Left In: -924.983+/-0.000 χ^2/NDF:92827030718158770136834847539 2.0/22

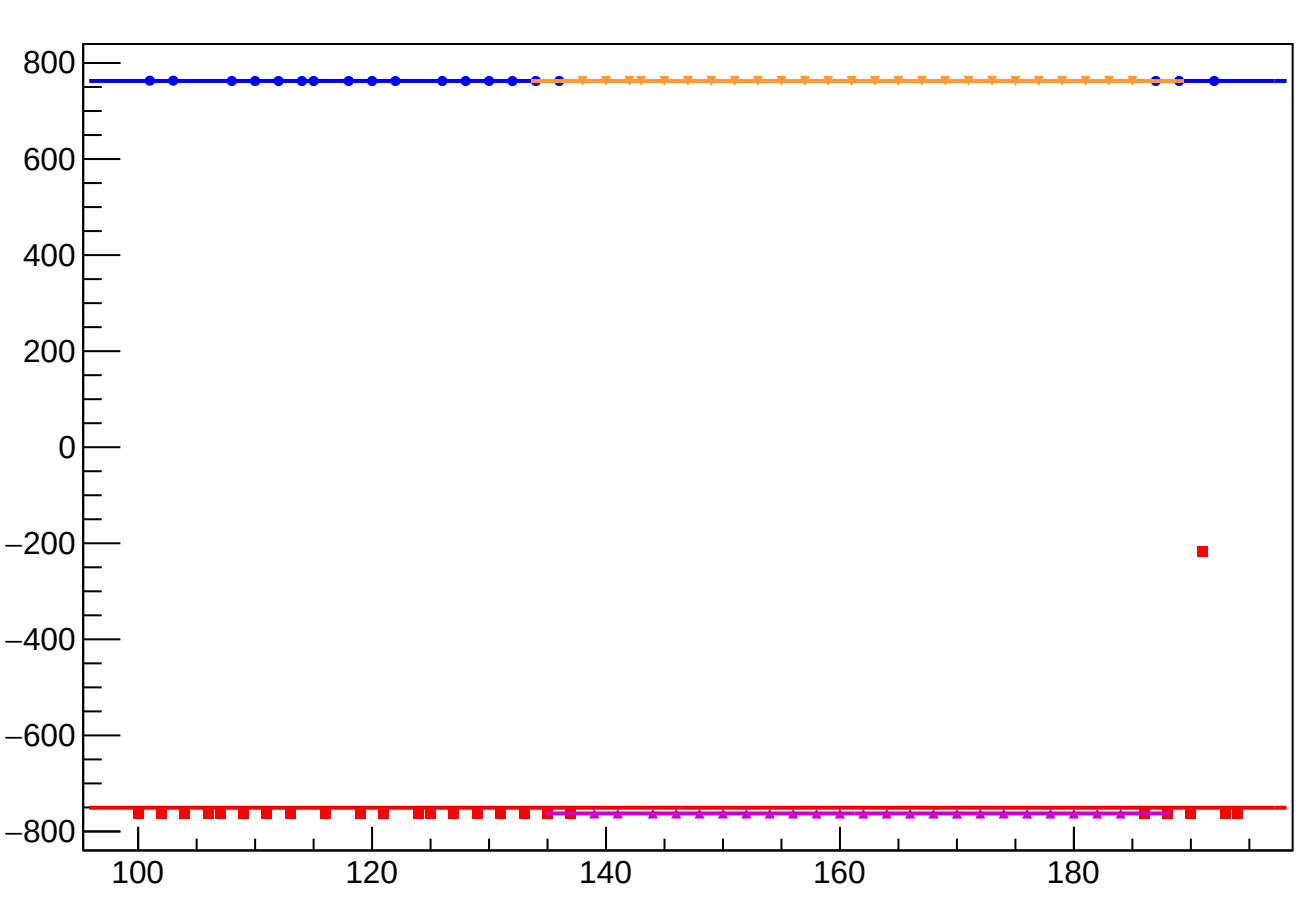
Left: 26.401+/-0.000 χ^2/NDF: 33546151426363744

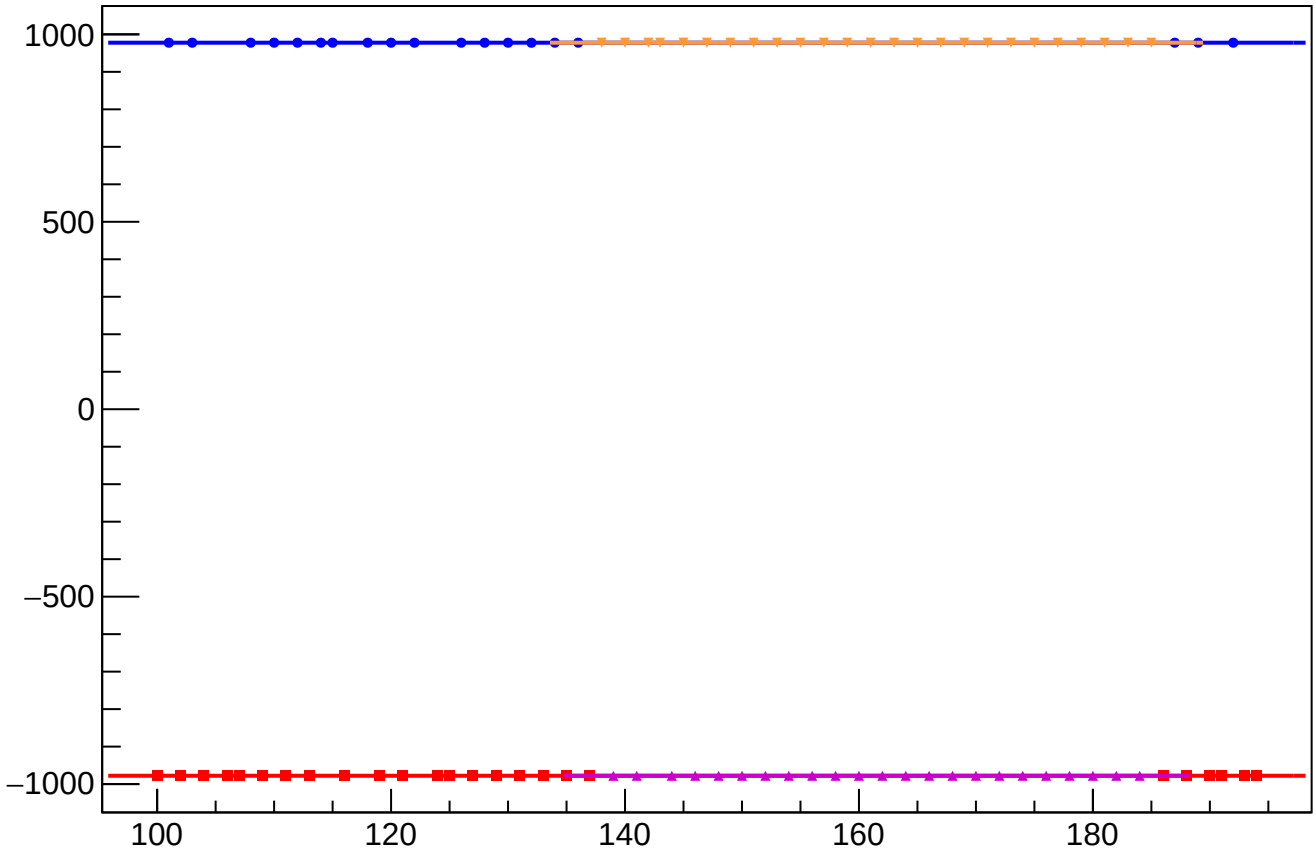
Right: -100.773+/-0.000 χ^2/NDF: 17306098097841

In: -326.274+/-0.000 χ^2/NDF:2111061104832040

Out: 259.041+/-0.000 χ^2/NDF:2486124890861238

All: -17.197+/-0.000 χ^2/NDF: 510698209300


HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
120
140
160
180
Right In: 762.599+/-0.000 χ²/NDF: 5278783781991227911344405400780 8.0/18
Left Out: 762.518+/-0.000 χ²/NDF:767703709161817083348479115264.0/24
Right Out: -750.582+/-0.000 χ²/NDF: 72761687599327311848127801308070 54336.0/24
Left In: -762.519+/-0.000 χ²/NDF:67064753778125939445211961753 6.0/22
Left: 21.764+/-0.000 χ²/NDF: 22796901664040585
Right: -76.414+/-0.000 χ²/NDF: 116513164451330
In: -268.939+/-0.000 χ²/NDF:1434773970178287
Out: 217.841+/-0.000 χ²/NDF:167041386109292
All: -11.894+/-0.000 χ²/NDF: 345778846105



Right In: 977.755+/-0.000 χ^2/NDF: 209881821629586415190609494016O.0/18

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

Right Out: -977.757+/-0.000 χ^2/NDF: 20689846443679663929734033571840.0/24

Left In: -977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

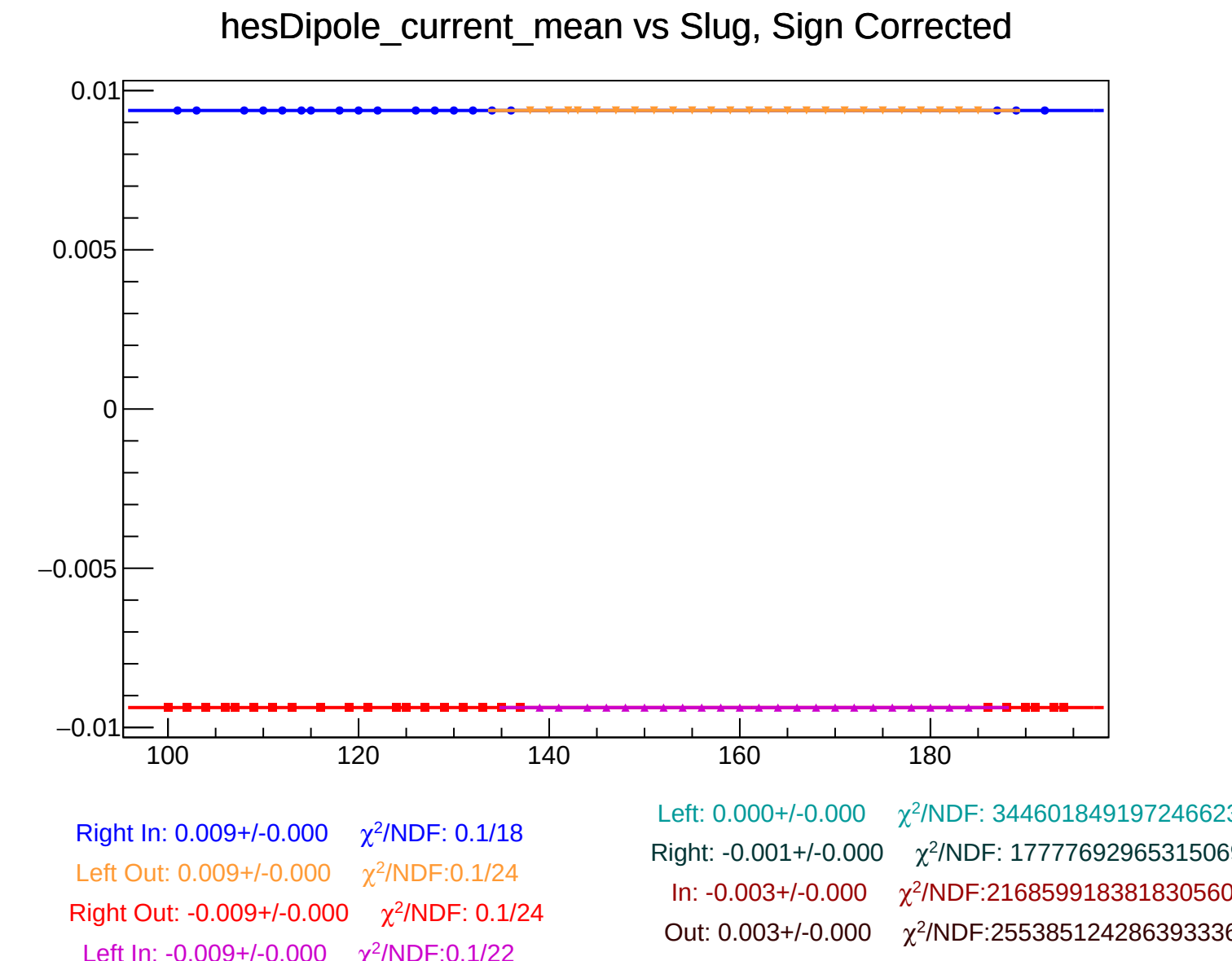
Left: 27.908+/-0.000 χ^2/NDF: 37481642757083146

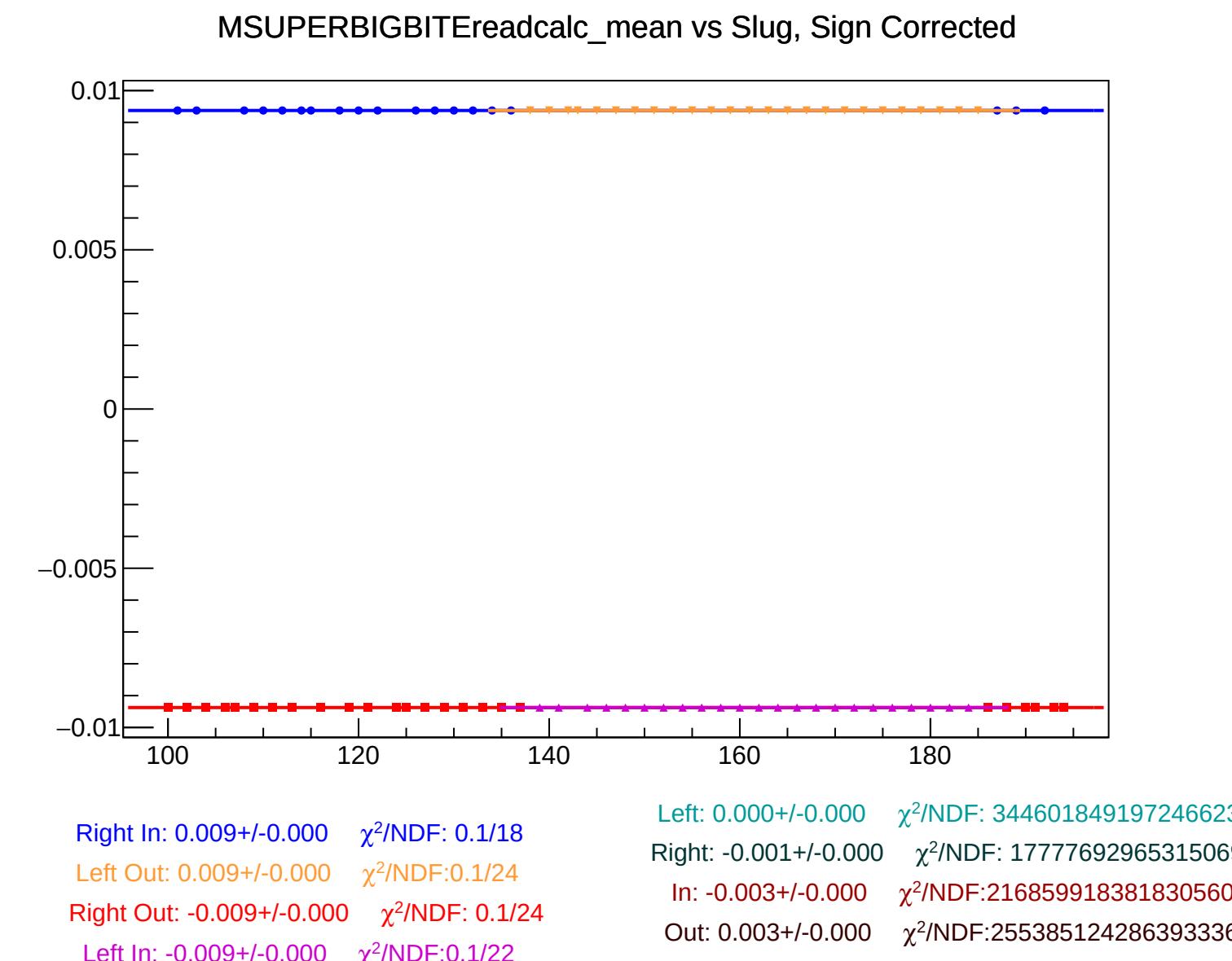
Right: -106.517+/-0.000 χ^2/NDF: 19337198787933

In: -344.873+/-0.000 χ^2/NDF:2358783059648316

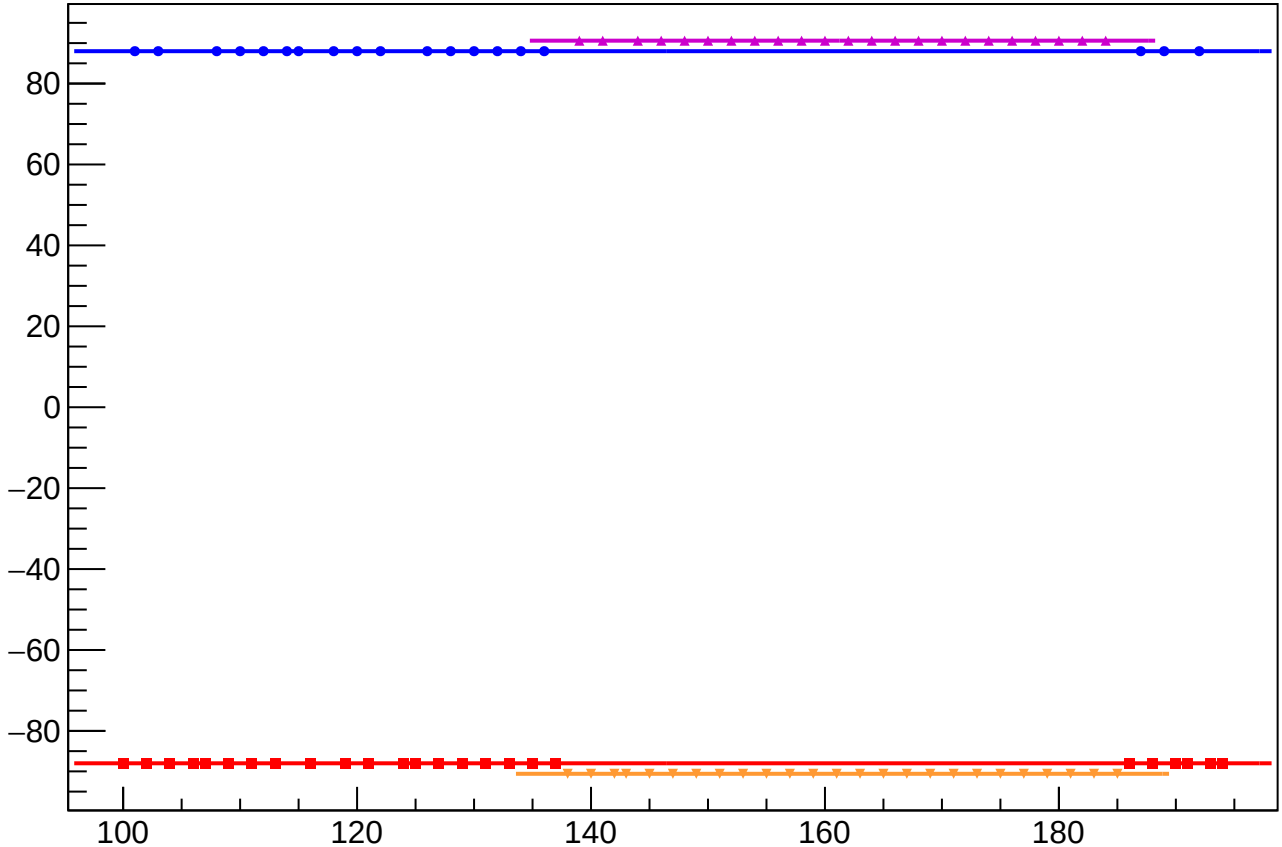
Out: 273.809+/-0.000 χ^2/NDF:2777832537393266

All: -18.176+/-0.000 χ^2/NDF: 570619290999


hesDipole_current_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
120
140
160
180
Right In: 0.009+/-0.000 χ²/NDF: 0.1/18
Left Out: 0.009+/-0.000 χ²/NDF:0.1/24
Right Out: -0.009+/-0.000 χ²/NDF: 0.1/24
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: 1777769296531506
In: -0.003+/-0.000 χ²/NDF:216859918381830560
Out: 0.003+/-0.000 χ²/NDF:255385124286393336
All: -0.000+/-0.000 χ²/NDF: 5246135619033


MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
120
140
160
180
Right In: 0.009+/-0.000 χ²/NDF: 0.1/18
Left Out: 0.009+/-0.000 χ²/NDF:0.1/24
Right Out: -0.009+/-0.000 χ²/NDF: 0.1/24
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: 1777769296531506
In: -0.003+/-0.000 χ²/NDF:216859918381830560
Out: 0.003+/-0.000 χ²/NDF:255385124286393336
All: -0.000+/-0.000 χ²/NDF: 5246135619033

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 2309885.7/18

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: -88.003+/-0.000 χ^2/NDF: 75055016864320191425037729792.0/24

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

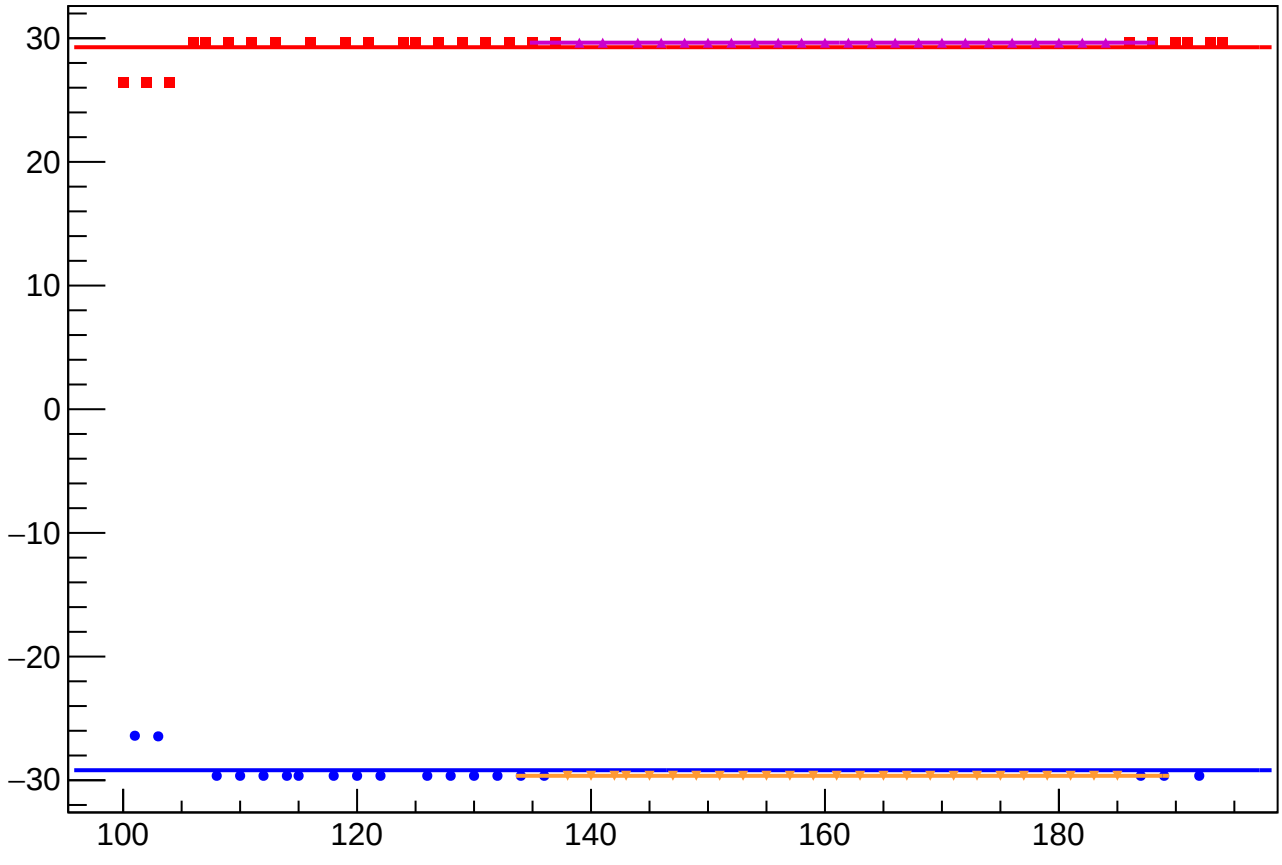
Right: -9.588+/-0.000 χ^2/NDF: 1566441226161404

In: 89.758+/-0.000 χ^2/NDF:416536942636584980

Out: -89.665+/-0.000 χ^2/NDF:4898563765186925

All: -4.986+/-0.000 χ^2/NDF: 4791322963794

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.190+/-0.000 χ^2/NDF: 1137210949624077276387972816568320.0/18

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: 29.272+/-0.000 χ^2/NDF: 120027801092512405970738674558566 64.0/24

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

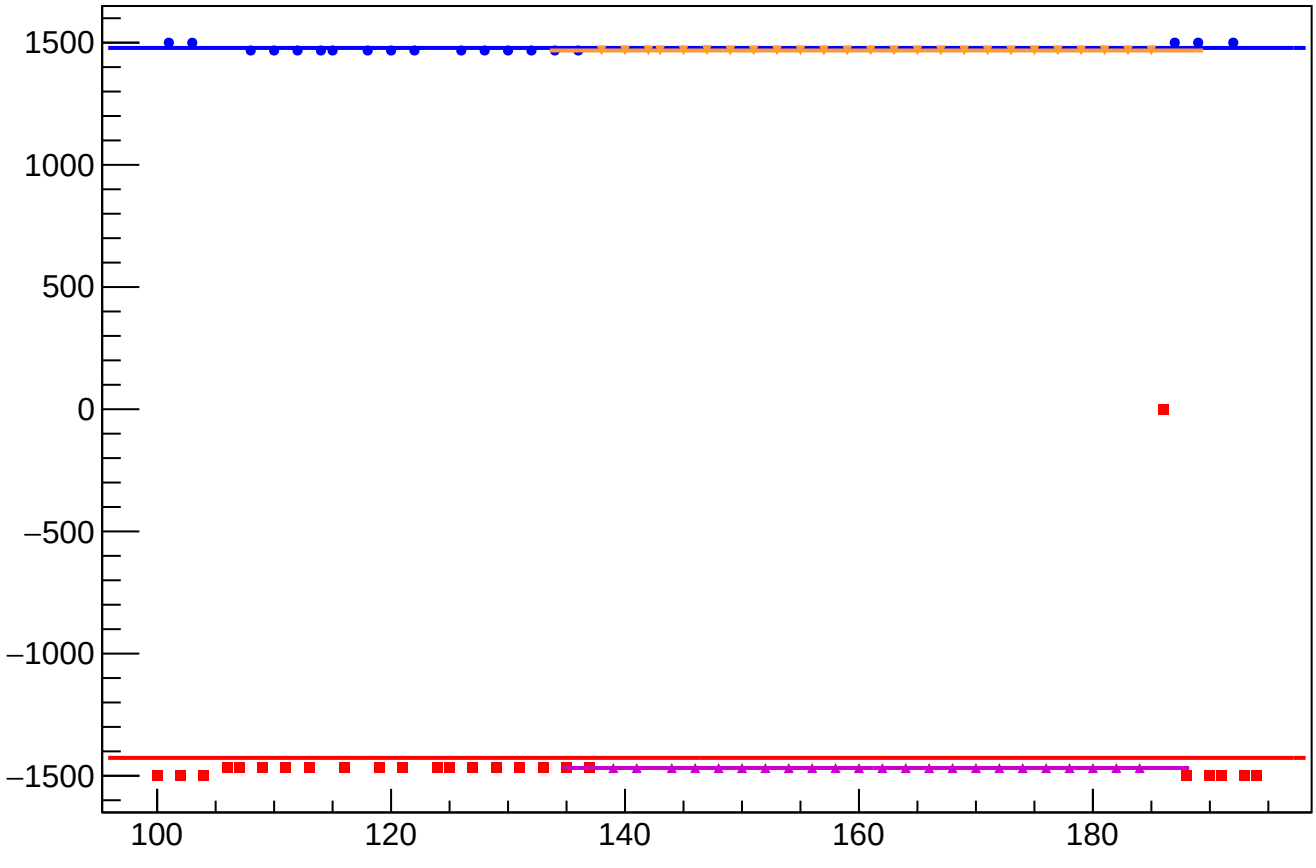
Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

Right: 3.226+/-0.000 χ^2/NDF: 17306402671731107

In: 10.601+/-0.000 χ^2/NDF:213603811388375520

Out: -8.433+/-0.000 χ^2/NDF:25224605606380328

All: 0.550+/-0.000 χ^2/NDF: 51976500339442



Left: 41.929+/-0.000 χ^2/NDF: 8449679330293095

Right In: 1478.442+/-0.000 χ^2/NDF: 204708102064615111996269972332478464.0/18

Right: -132.321+/-0.000 χ^2/NDF: 435680433453086

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

In: -514.427+/-0.000 χ^2/NDF:5355344055428959

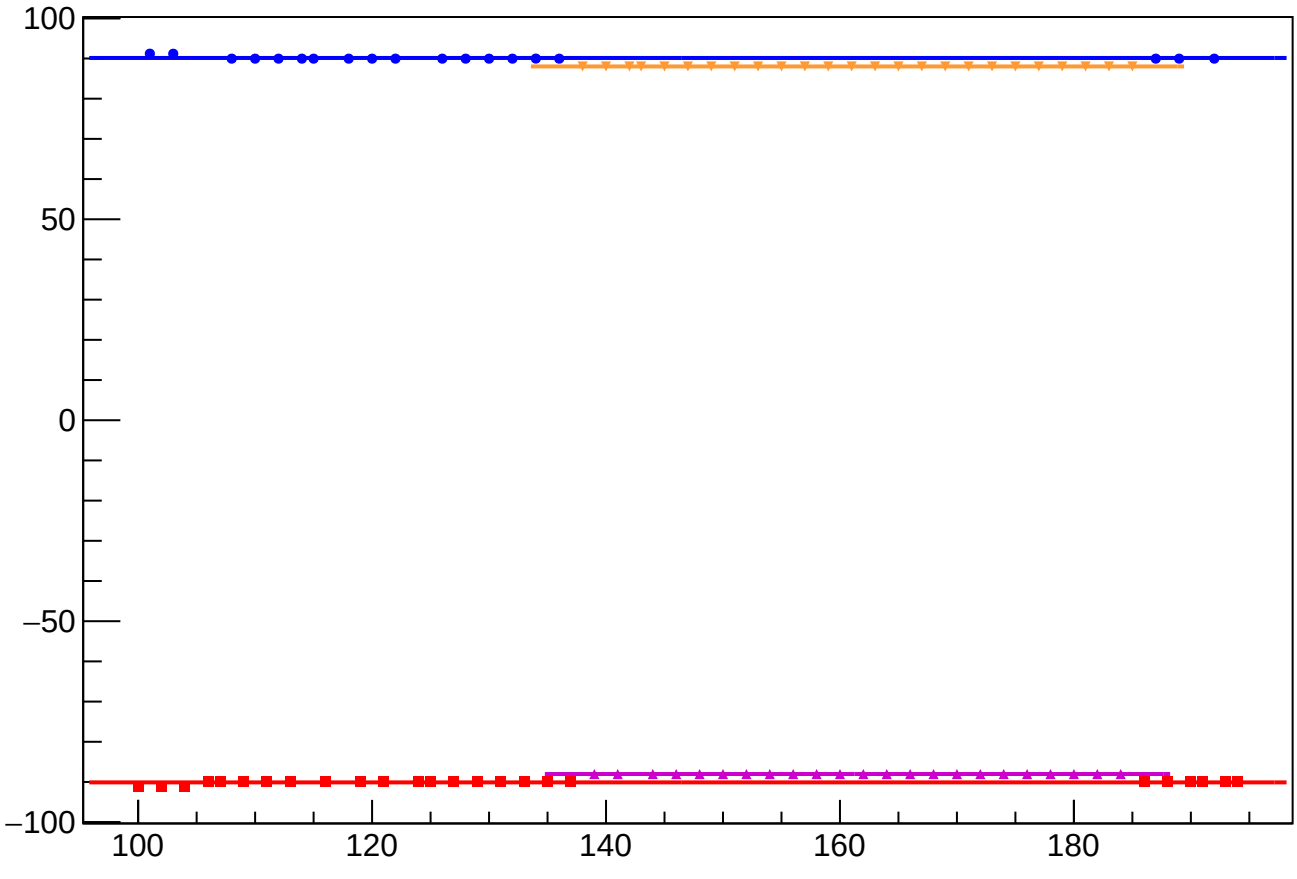
Right Out: -1426.608+/-0.000 χ^2/NDF: 89035255525859359908392359385750306816.0/24

Out: 426.047+/-0.000 χ^2/NDF:617581544387062

Left In: -1467.994+/-0.000 χ^2/NDF:1554938089860967537552245391360.0/22

All: -17.808+/-0.000 χ^2/NDF: 128473291431

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.133+/-0.000 χ^2/NDF: 16634121684159284769926792662220 8.0/18

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: -90.100+/-0.000 χ^2/NDF: 1758066100440728635810032648192 00.0/24

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 3037698856817238 48

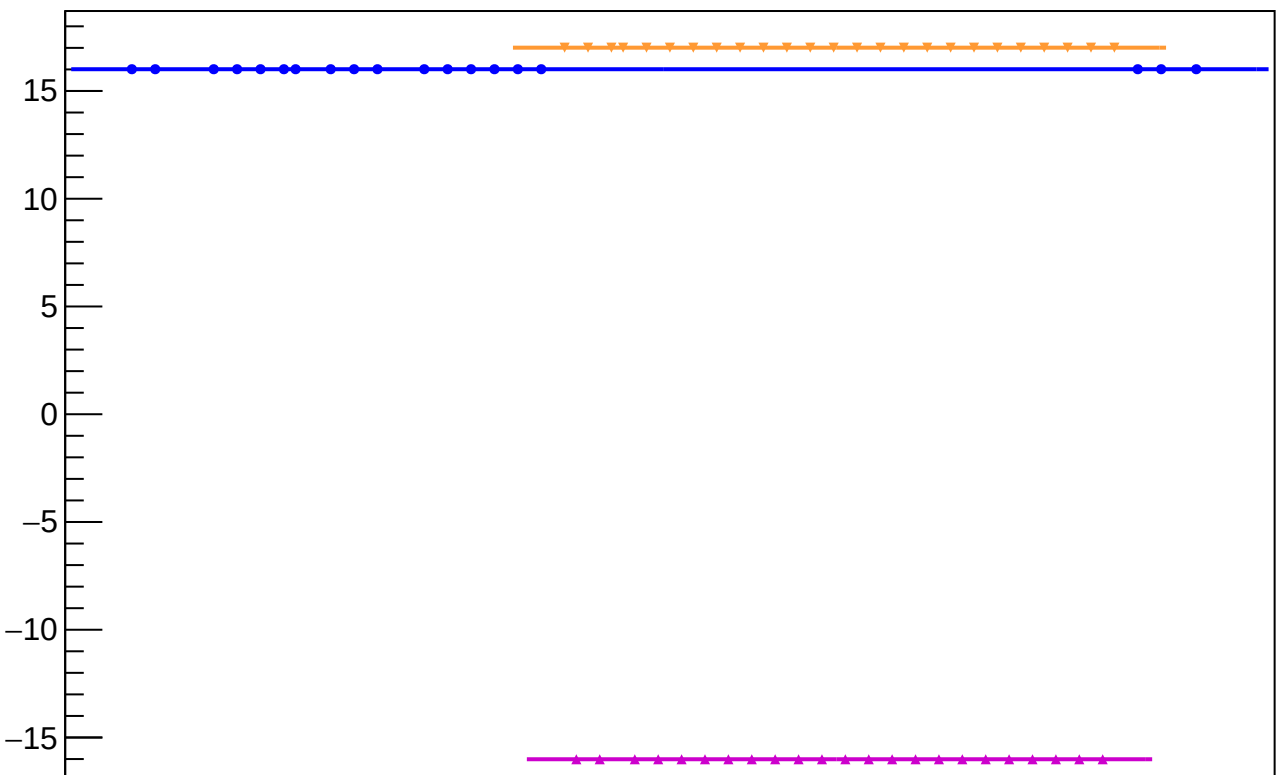
Right: -9.801+/-0.000 χ^2/NDF: 1642670104808837

In: -30.364+/-0.000 χ^2/NDF:1957802342032650 1

Out: 23.902+/-0.000 χ^2/NDF:2304763102375207

All: -1.709+/-0.000 χ^2/NDF: 4700765280673

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 208612.7/18

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: -17.009+/-0.000 χ^2/NDF: 16763528869251482499678208.0/24

Left In: -16.009+/-0.000 χ^2/NDF:1246879121670635236884480.0/22

Left: 0.967+/-0.000 χ^2/NDF: 991588108006867686

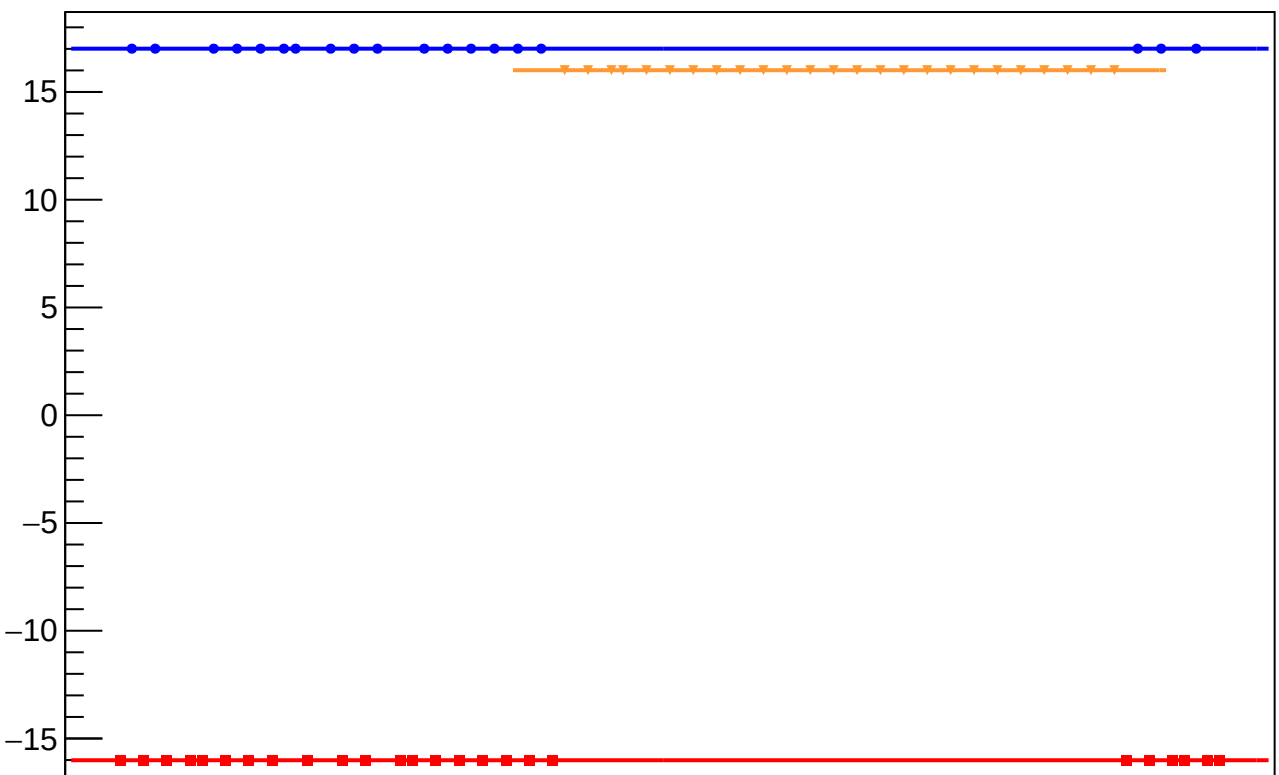
Right: -2.136+/-0.000 χ^2/NDF: 52303305305529317

In: -5.429+/-0.000 χ^2/NDF:599263686839140276

Out: 4.674+/-0.000 χ^2/NDF:785567053011627459

All: -0.111+/-0.000 χ^2/NDF: 1526795666939

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 175000.9/18

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: -16.009+/-0.000 χ^2/NDF: 288369.7/24

Left In: -17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

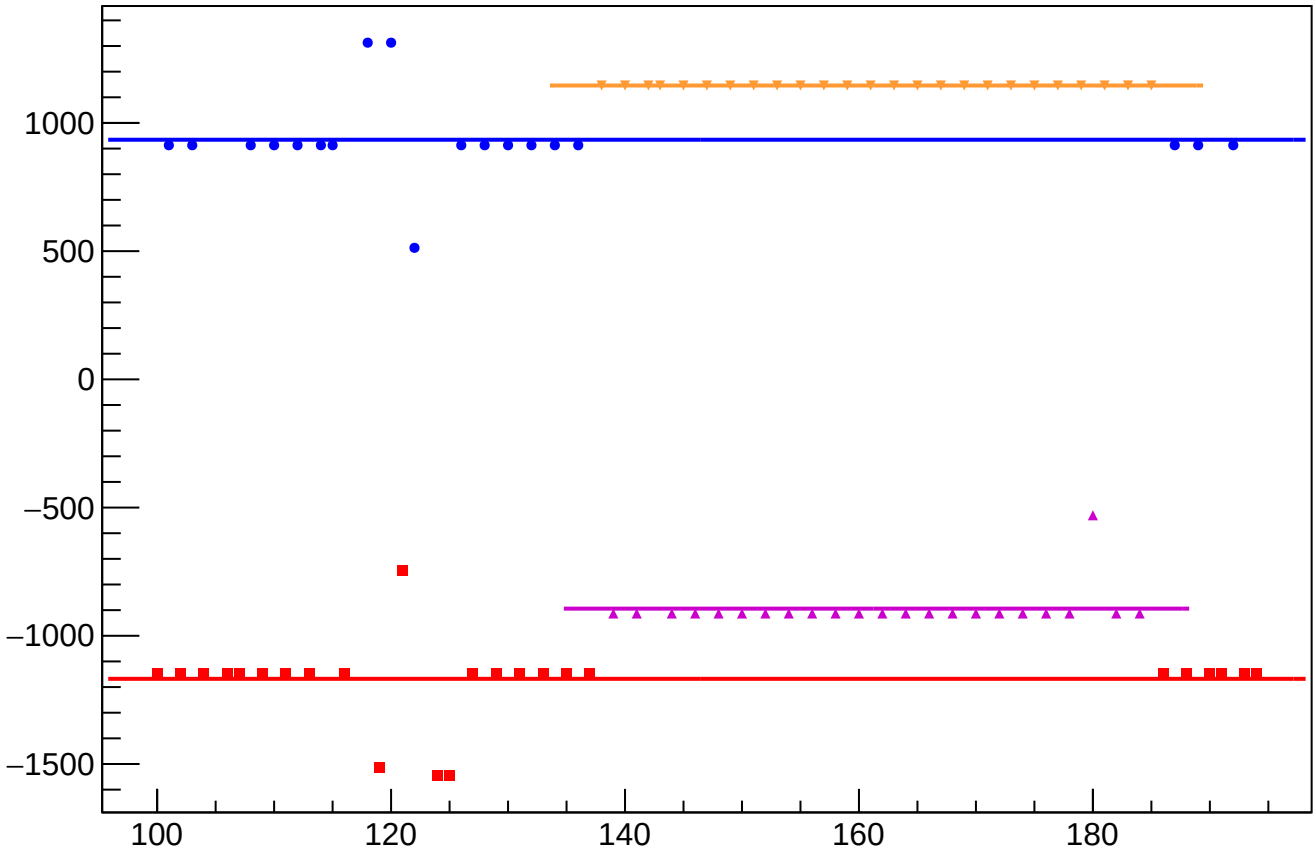
Right: -1.579+/-0.000 χ^2/NDF: 5388879098471335

In: -6.101+/-0.000 χ^2/NDF:690256772992002893

Out: 4.414+/-0.000 χ^2/NDF:739585671085394318

All: -0.498+/-0.000 χ^2/NDF: 1591125627161

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Right In: 934.486+/-0.000 χ^2/NDF: 211801524568410773385259477788178513 92.0/18

Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974 72.0/24

Right Out: -1167.860+/-0.000 χ^2/NDF: 22404433956212039587052143584363937792.0/24

Left In: -894.107+/-0.000 χ^2/NDF:13107238299211712783896183802964213760.0/22

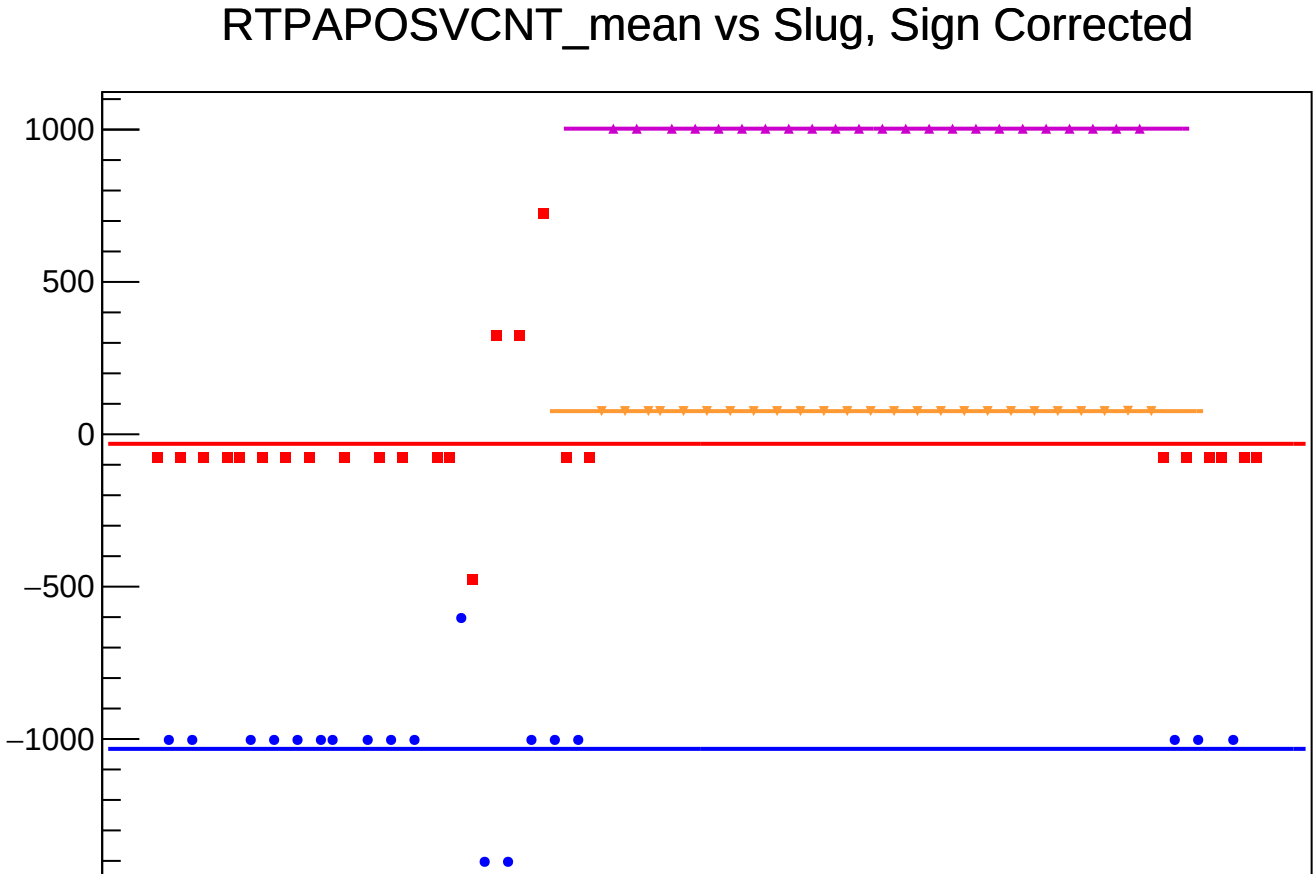
Left: 155.071+/-0.000 χ^2/NDF: 4092819151469536

Right: -231.202+/-0.000 χ^2/NDF: 22786052347264

In: -302.312+/-0.000 χ^2/NDF:2096868189664780

Out: 313.082+/-0.000 χ^2/NDF:3911735562741451

All: 22.648+/-0.000 χ^2/NDF: 657214373576



Left: 526.293+/-0.000 χ^2/NDF: 8422008663429018

Right In: -1032.375+/-0.000 χ^2/NDF: 230521084766612000490995134127920906240.0/18

Right: -477.283+/-0.000 χ^2/NDF: 5770310780833

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

In: 344.277+/-0.000 χ^2/NDF:257846724432846

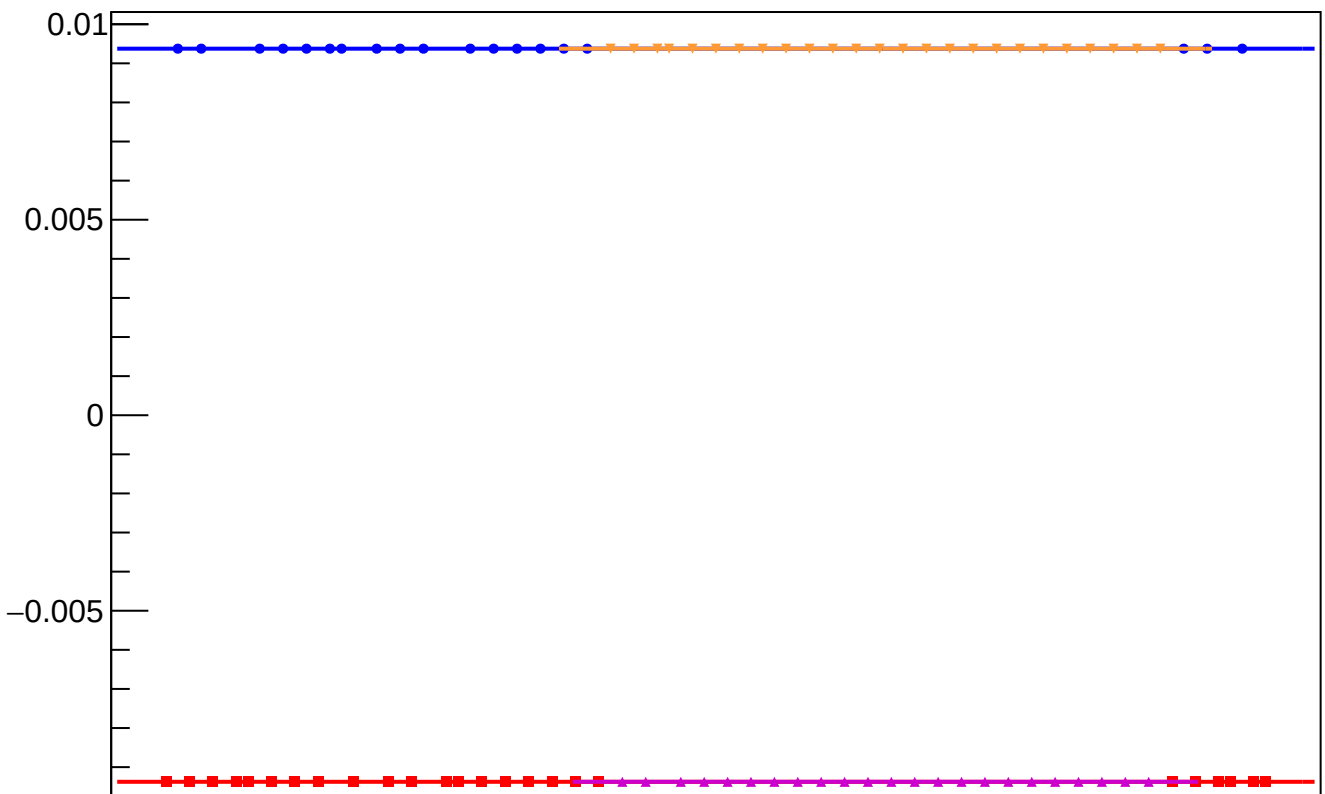
Right Out: -31.252+/-0.000 χ^2/NDF: 47166040890287338267007890320598761472.0/24

Out: 37.426+/-0.000 χ^2/NDF:5553051296833701

Left In: 1002.990+/-0.000 χ^2/NDF:29519559033483147530972692 48.0/22

All: 182.243+/-0.000 χ^2/NDF: 2774109301

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/18

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/24

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

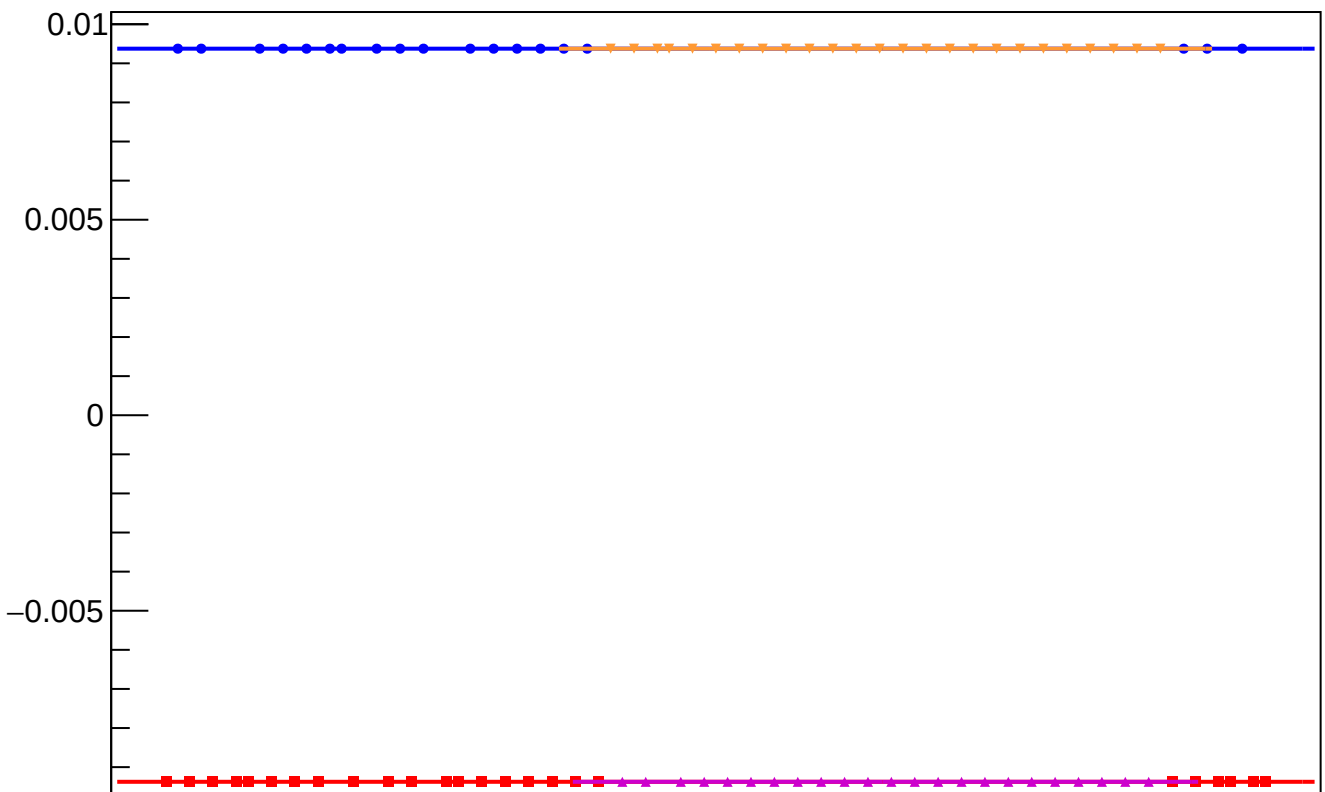
Right: -0.001+/-0.000 χ^2/NDF: 1777769296531506

In: -0.003+/-0.000 χ^2/NDF:216859918381830560

Out: 0.003+/-0.000 χ^2/NDF:255385124286393336

All: -0.000+/-0.000 χ^2/NDF: 5246135619033

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/18

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/24

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: 1777769296531506

In: -0.003+/-0.000 χ^2/NDF:216859918381830560

Out: 0.003+/-0.000 χ^2/NDF:25538512428639336

All: -0.000+/-0.000 χ^2/NDF: 5246135619033